EPA Contract No. EP-S1-06-01
EPA Task Order No. 0060-RD-RD-01D5

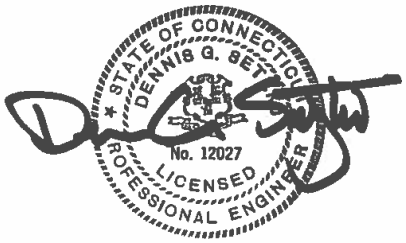
EPA Project Officer: Heidi Horahan
EPA Task Order Project Manager: Ed Hathaway

VOLUME 2 OF 2

SPECIFICATIONS
DURHAM MEADOWS WATERLINE
REMEDIAL DESIGN

100% Design Submittal

Durham Meadows Superfund Site
Durham, Connecticut



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APPENDIX A

Geotechnical Data

AECOM
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Memorandum

File:	60275749
Date:	August 5, 2013
To:	Dennis Setzko
From:	Geotechnical Department, AECOM Wakefield Office
Subject:	**Geotechnical Data Report (GDR), Cherry Hill Water Storage Tank Durham, CT**
Discipline:	Geotechnical
Copies:	J. Ramos;

INTRODUCTION

A subsurface exploration program was conducted to support the design and construction of the proposed Cherry Hill Water Storage Tank as part of Durham Meadows Water System Upgrades project located in Durham, CT. The exploration program consisted of drilling and sampling three (3) test borings. The test borings were drilled by New England Boring Contractors of Glastonbury, CT. The work was performed from June 11 to June 12, 2013.

EXPLORATION PROGRAM

The three test borings ranged in depth from 13 to 15 feet. The borings were drilled using 3.25-inch ID Hollow Stem Auger in combination with 4-inch HW casing. Split spoon soil samples were collected at 5-foot intervals from the ground surface to the top of rock. An AECOM representative was present to log the borings.

Bedrock was encountered and cored 5 ft in all test borings. The groundwater was not observed during drilling. However, groundwater levels may fluctuate with precipitation, season, construction activities, run-off controls, and other factors. As a result, water levels during construction may vary from those observed during the subsurface investigation.

The test boring locations are included in the Contract Documents. Geologic logs are provided in Attachment 1.

AECOM

Attachment 1 Boring Logs

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Storage Tank**		SHEET 1 of 1	BORING NO. **TB-1**
SITE LOCATION: Durham, CT	JOB NO.: **60275749.03**		
	LOCATION: N: E:	Elevation:	Total Depth: 19.1 ft
DRILL CONTRACTOR : NEB	ENG/GEO : W. Song	BEGUN: June 11, 2013	
DRILL RIG : Mobile B-53	DRILLER : O. Cone	FINISHED : June 11, 2013	
Hole Size : ~7"	Weather : Drizzling, overcast, ~60s	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" ID HSA/4" HW Casing	Drilling Fluid : Potable Water	Top of Rock (Depth) : 14.1 ft	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	PID Reading	STRATIGRAPHIC DESCRIPTION
	SS-1 0'-2'	8	1-1-7-13	12"	Brown fine to medium SAND, few fine to coarse gravel, little to some fines, trace grass roots, moist.	0.0	F-M SAND
5	SS-2 5'-7'	77	29-52-25-21	16"	Red brown GRAVELLY SAND, fine to medium sand, some fine gravel, little fines, hard, moist. TILL.	0.0	5' GLACIAL TILL
10	SS-3 10'-10'4"	-	50/4"	4"	Red brown TILL and weathered Sandstone fragments.	0.0	10.3' Weathered Rock
	SS-4 14'-14'1"	-	50/1"	1"	Red brown weathered Sandstone fragments.	0.0	14.1'
15	RC-1 14.1'-19.1'			2 3 4 3 3	Red brown SANDSTONE with horizontal joints, slightly weathered, moderately hard. Rec = 20%, RQD = 20%.		SANDSTONE EOB @ 19.1 ft

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	July 12, 13 WS
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Storage Tank**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.03**	1 of 1	**TB-2**
	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		14.1 ft
DRILL CONTRACTOR : NEB	ENG/GEO : W. Song	BEGUN:	June 11, 2013
DRILL RIG : Mobile B-53	DRILLER : O. Cone	FINISHED :	June 12, 2013

Hole Size : ~7"	Weather : Drizzling, overcast, ~60s	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" ID HSA	Drilling Fluid : Potable Water	Top of Rock (Depth) : 10.2 ft

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	PID Reading	STRATIGRAPHIC DESCRIPTION
	SS-1 0'-2'	5	2-2-3-6	6"	Brown to red brown fine to medium SAND, trace coarse gravel, few fines, trace grass roots, moist.	0.0	F-M SAND
5	SS-2 5'-5'7"	>50	101-50/1"	6"	Red brown hardpan, highly weathered, soft Sandstone, dry.	0.0	5' GLACIAL TILL & Weathered Rock
10	SS-3 10'-10'2"	-	50/2"	2"	Red brown Sandy Conglomerate, highly weathered Sandstone, dry.	0.0	10.2'
	RC-1 10.1'-14.1'			3	Highly weathered SANDSTONE, broken, with gray caly seams.		SANDSTONE
				3	Rec = 40%, RQD = 0%.		14.1'
15				2			EOB @ 14.1 ft
				3			

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	July 12, 13 WS
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Storage Tank**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.03**	1 of 1	**TB-2A**
	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		18 ft
DRILL CONTRACTOR : NEB	ENG/GEO : W. Song	BEGUN:	June 11, 2013
DRILL RIG : Mobile B-53	DRILLER : O. Cone	FINISHED :	June 12, 2013

Hole Size : ~7"	Weather : Drizzling, overcast, ~60s	Ground Water (Depth) : Not Encountered
Drilling Method : 4" HW Casing	Drilling Fluid : Potable Water	Top of Rock (Depth) : 13 ft

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	PID Reading	STRATIGRAPHIC DESCRIPTION
					Borehole TB-2A was shifted 3 ft away from TB-2. Soil portion was blind drilled to top of rock.		
5							
10							
							13'
	RC-1 13'-18'			3	Slightly to moderately weathered SANDSTONE with horizontal joints, fine grained, moderately hard.		
15				2	Rec = 50%, RQD = 0%.		
				7			SANDSTONE
				3			
				3			
							EOB @ 18 ft

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	July 12, 13 WS
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Storage Tank**		SHEET 1 of 1	BORING NO. **TB-3**
SITE LOCATION: Durham, CT	JOB NO.: **60275749.03**		
	LOCATION: N: E:	Elevation:	Total Depth: 20 ft
DRILL CONTRACTOR : NEB	ENG/GEO : W. Song	BEGUN: June 12, 2013	
DRILL RIG : Mobile B-53	DRILLER : O. Cone	FINISHED : June 12, 2013	
Hole Size : ~7"	Weather : Sunny/cloudy, ~50s	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" ID HSA/4" HW Casing	Drilling Fluid : Potable Water	Top of Rock (Depth) : 15 ft	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	PID Reading	STRATIGRAPHIC DESCRIPTION
	SS-1 0'-2'	7	1-3-4-7	10"	Brown fine to medium SAND with few coarse gravel, little to some fines, trace grass roots, moist.	0.0	F-M SAND
5	SS-2 5'-7'	44	25-20-24-25	20"	Top 16": Red brown fine to medium SAND, few coarse gravel, few fines, moist. TILL. Bottom 4": Highly weathered Sandstone.	0.0	5'
10	SS-3 10'-10'10"	-	33-50/4"	10"	Highly weathered Sandstone fragment and Conglomerate, broken, dry. *(roller bit advanced to 15 ft depth, set casing at 15'.)*	0.0	GLACIAL TILL & Weathered Rock
15	RC-1 15'-20'			3 2 3 3 2	Gray highly to moderately weathered SANDSTONE, broken, fine grained, moderately hard. Rec = 33%, RQD = 7%.		15' SANDSTONE EOB @ 20 ft

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	July 12, 13 WS
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOTECHNICAL DATA REPORT

Subsurface Investigation Results for the
Durham Meadows Waterline RD
Durham, CT

I. INTRODUCTION

This Geotechnical Data Report (GDR) is prepared in support of the construction and design of the Durham Meadows Waterline project located in Durham, CT. New England Boring Contractors, Inc of Glastonbury, CT performed the drilling from August 19 to August 28, 2013. Northern Drill Services conducted supplemental drilling on September 22, 2014 for Allyn Brook Crossing. The drilling was observed by AECOM representatives. The locations of the test borings are shown on the Contract Drawings.

II. EXPLORATION PROGRAM

Test borings for the proposed waterline were drilled to approximately five feet below the proposed pipe invert depths. All test borings were drilled using Hollow Stem Augers (HSA). Standard split spoon samples were collected at ground surface or below the pavement and at 5-foot intervals until the end of borings except that three boreholes were sampled continuously for Allyn Brook Crossing. Upon completion, the test borings were backfilled with cuttings, tamped and topped with an asphalt patch.

Groundwater was not observed during drilling in the majority of the borings. The groundwater level ranged from 4.8 to 10.5 feet below the ground surface when encountered in some test borings. It should be noted that groundwater levels may fluctuate with precipitation, season, construction activities, run-off controls, and other factors. As a result, water levels during construction may vary from those observed during the subsurface investigation.

III. LABORATORY TESTING

A total of ten (10) Grain Size Analyses were performed by GeoTesting Express, Inc. of Boxborough, MA. The submitted report is provided as Attachment 2.

IV. ENVIRONMENTAL SAMPLING RESULTS

During the subsurface investigation program, several samples were also collected for environmental analyses including volatile organic compounds (VOCs) and extractable total petroleum hydrocarbons (ETPH). The detailed report is provided as Attachment 3.

(Date: Nov. 25, 2013.
Revised Oct. 27, 2014 for Allyn Brook Crossing Investigation.)

ATTACHMENT 1

TEST BORING LOGS

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-4
30' Wide Easement	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		10'-6"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Sunny, clear, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 5'-6"

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
	SS-1	8	3-4-4-4	12"	5" Topsoil. Reddish brown fine to medium SAND with fine to coarse gravel, little silt, dry.		SAND
	0-2'						
5	SS-2	>50	26-50/3"	3"	Weathered rock fragments.		5'6"
	5'-7'						Weathered Rock
10	SS-3	>50	50/6"	4"	Weathered rock fragments.		10'6"
	10'-10.5'						EOB @ 10'6"
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-5
216 Talcott Ridge Drive	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Sunny/cloudy, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					4" Pavement		
	SS-1	55	11-25-30-19	8"	5" Base Gravel. Brown fine to coarse SAND and Gravel, little silt, dry.		
	1'-3'						
5							
	SS-2	16	4-7-9-12	17"	Brown fine to coarse SAND and GRAVEL, little silt, moist.		Sand & Gravel
	5'-7'						
10							
	SS-3	85	30-39-46-40	18"	Brown fine to coarse SAND and GRAVEL, little silt, moist.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-6
164 Talcott Ridge Drive	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		11'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Sunny/cloudy, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					2.5" Pavement		
	SS-1	64	12-31-33-30	14"	3" Base Gravel. Brown fine to medium SAND, little gravel, little silt, dry.		
	1'-3'						
5							
	SS-2	9	5-5-4-4	19"	Brown fine to coarse SAND, little gravel, little fines, moist.		Sand
	5'-7'						
10							
	SS-3	>50	19-27-50/3"	11"	Brown fine to medium SAND, little gravel, trace silt, dry.		11'3"
	10'-11'3"						EOB @ 11'3"
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-7
Talcott Ridge Drive	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		10'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Partly cloudy, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3.5" Pavement		
	SS-1	62	8-35-27-16	13"	4" Base Gravel. Brown fine to coarse SAND and GRAVEL, little silt, dry.		
	1'-3'						
5							Sand & Gravel
	SS-2	54	11-22-32-24	16"	Brown fine to coarse SAND and GRAVEL, little silt, dry.		
	5'-7'						
10							10'3"
	SS-3	>50	50/3"	0	Empty spoon, no recovery.		
	10'-10'3"						EOB @ 10'3"
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-8
Watch Hill Drive and Talcott Ridge Drive	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Partly cloudy, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3.5" Pavement		
	SS-1	63	17-30-33-32	21"	5" Base Gravel. Brown fine to coarse SAND with some fine to coarse gravel, little silt with cobbles, dry.		
	1'-3'						
5							
	SS-2	>50	21-50/4"	6"	Brown fine to coarse SAND with some fine to coarse gravel, little silt with cobbles, dry.		Sand with Gravel
	5'-5'10"						
10							
	SS-3	47	8-23-24-44	15"	Brown fine to coarse SAND with some fine to coarse gravel, little silt, moist.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET 1 of 1	BORING NO. B-9
SITE LOCATION: Route 17 and Talcott Ridge Drive, Middletown, Ct	JOB NO.: **60275749.06.01** LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN: Aug. 21, 2013	
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED : Aug. 21, 2013	
Hole Size : ~6"	Weather : Sunny, bright, ~75	Ground Water (Depth) : 8.5'	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					12" Asphlat Pavement		
	SS-1	44	30-33-11-11	12"	Reddish brown fine to medium SAND with fine to coarse gravel, trace silt, dry.		
	1'-3'						Sand & Gravel
5							5'
	SS-2	6	5-3-3-5	11"	Top 5": reddish brown fine to medium SAND.		
	5'-7'				Bottom 6": gray SILT and SAND mixture, trace gravel, moist.		Silt & Sand
							9'
10							
	SS-3	42	30-22-20-17	10"	Reddish brown fine to medium SAND with fine to coarse grave, trace silt, wet.		Sand & Gravel
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-10
Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		11'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 21, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 21, 2013

Hole Size : ~6"	Weather : Sunny, bright, ~77	Ground Water (Depth) : 10.5'
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					12" Pavement		
	SS-1	23	41-13-10-17	8"	Brown fine to medium SAND and fine to coarse Gravel, trace silt, dry.		
	1'-3'						
5							
	SS-2	64	32-30-34-52	12"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, dry.		Sand & Gravel
	5'-7'						
10							
	SS-3	>50	10-33-50/3"	12"	Top 6": Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, wet.		
	10'-11'3"				Bottom 6": Yellowish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, wet.		11'3"
							EOB @ 11'-3"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-11
Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		10'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 27, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 27, 2013

Hole Size : ~6"	Weather : Partly cloudy, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 8.5'

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					5" Topsoil.		
	SS-1	49	20-29-20-24	14"	Reddish brown fine to medium SAND with gravel, little silt, dry.		
	1'-3'						SAND & GRAVEL
5							
	SS-2	66	20-30-36-44	18"	Reddish brown fine to coarse SAND and GRAVEL, little silt, dry.		
	5'-7'						
					Grinding from 8.5' to 10'.		8'6"
10							Weathered Rock
	SS-3	>50	50/3"	0	Empty spoon, no recovery.		10'6"
	10'-12'						EOB @ 10'3"
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-12
2292 Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 21, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 21, 2013

Hole Size : ~6"	Weather : Partly cloudy, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					6" Asphalt Pavement.		
	SS-1 1'-3'	44	29-27-17-17	12"	Brown fine to medium SAND and fine to coarse GRAVEL, dry. FILL.		Sand & Gravel
5	SS-2 5'-7'	37	9-16-21-23	15"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, dry. TILL.		6'6" Glacial Till
10	SS-3 10'-12'	76	40-36-40-50	19"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, top wet, bottom moist.		12' EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-13
2345 Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		11'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 21, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 21, 2013

Hole Size : ~6"	Weather : Sunny, bright, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					6" Asphalt Pavement; 6" Concrete Road Base.		
	SS-1	26	18-10-16-6	15"	Brown fine to medium SAND, some fine gravel, trace silt, dry.		
	1'-3'						
5							
	SS-2	42	14-14-38-28		Brown fine to medium SAND with some fine to coarse gravel, trace silt, dry.		Gravelly Sand
	5'-7'						
10							
	SS-3	>50	24-46-50/3"	14"	Brown fine to medium SAND with some fine to coarse gravel, trace silt, moist.		11'3"
	10'-12'						EOB @ 11'-3"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET 1 of 1	BORING NO. B-14A
SITE LOCATION: Acorn St and Route 17 Middletown, Ct	JOB NO.: **60275749.06.01** LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN: Aug. 26, 2013	
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED : Aug. 26, 2013	
Hole Size : ~6"	Weather : Partly cloudy, ~70	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					7" Pavement, 10" Concrete.		
	SS-1	25	13-17-8-5	14"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, dry.		
	1'-3'						
5							
	SS-2	49	9-18-31-35	18"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, some silt, dry.		
	5'-7'						Sand & Gravel
10							
	SS-3	67	14-36-31-47	20"	Dark brown fine to medium SAND and fine to coarse GRAVEL, some silt, moist.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-15
Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 22, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 22, 2013

Hole Size : ~6"	Weather : Partly cloudy, ~70	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
	SS-1 0.5'-2.5'	30	68-20-10-3	14"	6" Pavement, 3" Fill. Reddish brown fine to medium SAND, some fine gravel, trace silt, dry.		
5	SS-2 5'-7'	30	7-17-13-20	16"	Reddish brown fine to medium SAND, some fine GRAVEL, dry.		Sand & Gravel
10	SS-3 10'-12'	21	8-10-11-12		Reddish brown SILTY fine SAND, some fine gravel, moist.		12'
15							EOB @ 12'

SAMPLE TYPES:	trace 0 to 5%	SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	few 5 to 10%			
SS=SPLIT SPOON	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
ST=SHELBY TUBE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-16
Route 17 at Little Lane & Oak Ter.	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		10'-2"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 23, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 23, 2013

Hole Size : ~6"	Weather : Cloudy, ~72	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					6" Pavement, 3" Fill.		
	SS-1	72	6-35-37-27	12"	Reddish brown fine to medium SAND, some fine gravel, trace silt, dry.		
	1'-3'						
5							Gravelly Sand
	SS-2	9	2-3-6-41	0"	Reddish brown fine to medium SAND, some fine GRAVEL, dry.		
	5'-7'						
10							10'2"
	SS-3	>50	50/2"	0"	Reddish brown SILTY fine SAND, some fine gravel, moist.		EOB @ 10'-2"
	10'-10'2"						
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-17
472 Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		10'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 27, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 27, 2013

Hole Size : ~6"	Weather : Partly cloudy, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 9.5'

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					8" Pavement, 12" Concrete.		
	SS-1 2'-4'	58	11-34-24-19	15"	Brown fine to medium SAND, some fine to coarse gravel.		
5	SS-2 5'-7'	>50	50/3"	0"	Empty spoon.		Gravelly Sand
							9'6"
10	SS-3 10'-12'	>50	50/3"	0"	Empty spoon.		Weathered Rock 10'3"
							EOB @ 10'3"
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-18
437 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 22, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 22, 2013

Hole Size : ~6"	Weather : Light Rain, ~65	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement; 8" Concrete.		
	SS-1	103	38-50-53-19	6"	Reddish brown fine to medium SAND with fine to coarse GRAVEL, trace silt, dry.		
	1'-3'						
5							Sand with Gravel
	SS-2	96	28-56-40-24	4"	Reddish brown fine to medium SAND with fine to coarse GRAVEL, trace silt, wet.		
	5'-7'						
							8.5'
10							Silty Sand
	SS-3	36	8-15-21-23	16"	Top 8": reddish brown SILTY SAND with fine gravel, wet.		11'
	10'-12'				Bottom 8": brown fine to medium SAND, some fine gravel, some silt, wet.		12' Gravelly & Silty Sand
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-19
417 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		11'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 27, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 27, 2013

Hole Size : ~6"	Weather : Overcast, ~75	Ground Water (Depth) : 9 ft
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 8 ft

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					7" Pavement; 10" Concrete.		
	SS-1	52	19-20-32-29	16"	Top 8": reddish brown fine to medium SAND and fine to coarse GRAVEL, dry.		Sand & Gravel
	1'-3'				Bottom 8": brown fine to medium SAND.		3'
5							
	SS-2	31	20-15-16-20	12"	Brown SILT, some fine to coarse sand, few gravel.		Sandy Silt
	5'-7'						
							8'
10							Weathered Rock
	SS-3	>50	20-54-50/3"	14"	Weathered rock fragments.		11'3"
	10'-11'3"						EOB @ 11'3"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-20
Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		17'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 27, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 27, 2013

Hole Size : ~6"	Weather : Cloudy, ~70	Ground Water (Depth) : 5.5'
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					5" Pavement; 5" Gravel base; 5" Concrete.		
	SS-1	77	32-30-47-50	12"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, dry.		
	1.5'-3.5'						
5					Reddish brown fine SAND, little fine to coarse gravel, little silt, moist.		Sand & Gravel
	SS-2	24	4-12-12-21	8"			
	5'-7'						
							8.5'
10							
	SS-3	22	8-10-12-13	18"	Reddish brown SILT, some fine sand, wet.		Silt
	10'-12'						
							13'
15					Gray fine to coarse SAND, some fine to coarse gravel, little silt, wet.		Gravelly Sand
	SS-4	26	10-13-13-14	7"			
	15'-17'						17'
							EOB @ 17'

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET 1 of 1	BORING NO. B-21
SITE LOCATION: 349 Route 17 Middletown, Ct	JOB NO.: **60275749.06.01** LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN: Aug. 22, 2013	
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED : Aug. 22, 2013	
Hole Size : ~6"	Weather : Light Rain, ~75	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	18	16-12-6-6	10"	Reddish brown fine to medium SAND, some fine gravel, trace silt, dry.		
	0.5'-2.5'						
5							
	SS-2	37	6-12-25-23	18"	Reddish brown fine SAND, some fine gravel, trace silt, dry.		Sand with Gravel
	5'-7'						
10							
	SS-3	46	11-21-25-58		Reddish brown fine to medium SAND with fine to medium gravel, trace silt, moist.		12'
	10'-12'						EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-21A
349 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		11'-9"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 27, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 27, 2013

Hole Size : ~6"	Weather : Sunny, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 11'-6"

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					5" Pavement; 4" Base Gravel.		
	SS-1	13	22-8-5-7	8"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, dry.		
	1'-3'						
5							
	SS-2	3	2-1-2-12	20"	Brown fine to medium SAND with little silt, moist.		Sand & Gravel
	5'-7'						
10							
	SS-3	59	15-28-31-50/3"	20"	Brown fine to medium SAND, little silt, moist.		11'6"
	10'-11'9"				Bottom 3": Weathered Rock.		11'9" Weathered Rock
							EOB @ 11'3"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-22
322 Route 17	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		11'-3"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 22, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 22, 2013

Hole Size : ~6"	Weather : Partly Sunny, Overcast, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					6" Pavement.		
	SS-1	35	18-20-15-13	12"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, dry.		
	0.5'-2.5'						
5							
	SS-2	>50	31-50/3"	6"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, little silt, moist.		Sand & Gravel
	5'-7'						
					Grinding at 8'-9".		
10							
	SS-3	>50	9-16-50/3"	12"	Reddish brown fine to medium SAND with fine to coarse gravel, little silt, moist.		11'3"
	10'-11'3"						EOB @ 11'-3"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-23
289 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 23, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 23, 2013

Hole Size : ~6"	Weather : Partly Cloudy, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					6" Pavement.		
	SS-1	55	41-31-24-11	18"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, dry.		
	0.5'-2.5'						
5							Sand & Gravel
	SS-2	>50	50-50/3"	18"	Top 3": Reddish brown fine to medium SAND and fine to coarse GRAVEL, trace silt, dry.		
	5'-7'				Bottom 4": Brown fine to medium SAND, with some fine to coarse gravel, dry.		
					Grinding from 7'-8'.		
							9'
10							
	SS-3	30	16-14-16-26	17"	Brown fine to medium SAND with some fine to coarse gravel, some silt.		Gravelly & Silty Sand
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-24
256 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		10'-9"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 23, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 23, 2013

Hole Size : ~6"	Weather : Partly Cloudy, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					6" Pavement.		
	SS-1	28	27-17-11-9	14"	Reddish brown fine to medium SAND with some fine to coarse gravel, dry.		
	0.5'-2.5'						Gravelly Sand
5							5'
	SS-2	31	12-18-13-55	18"	Reddish brown fine to coarse SAND, little fine to coarse gravel, some silt, moist.		
	5'-7'						
							Sand
10							
	SS-3	>50	49-50/3"	11"	Reddish brown fine to medium SAND, little fine to coarse gravel, some silt, moist.		10'9"
	10'-10'9"						EOB @ 10'9"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-25
Route 17 & Route 68	LOCATION:	Elevation:	Total Depth:
Middletown, Ct	N: E:		8'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 23, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 23, 2013

Hole Size : ~6"	Weather : Partly Cloudy, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					Pavement.		
	SS-1	64	12-39-25-18	13"	Reddish brown fine to medium SAND, little fine to coarse GRAVEL, dry.		
	0.5'-2.5'						Sand & Gravel
5							
	SS-2	>50	50/3"	3"	Reddish brown fine to medium SAND and fine to coarse GRAVEL, dry.		
	5'-5'3"				Grinding at 5'-6' and 7'-8'.		
							8'
					Auger Refusal @ 8', possible boulder.		EOB @ 8'
10							
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-26
202 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		10 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 26, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 26, 2013

Hole Size : ~6"	Weather : Cloudy, ~70	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 6 ft

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					8" Asphalt Pavement, 4" base material.		
	SS-1	37	12-22-15-12	12"	Reddish brown fine to medium SAND, some fine to coarse GRAVEL, trace silt, dry.		
	1'-3'						Sand & Gravel
5							
	SS-2	>50	22-38-50/3"	9"	Reddish brown weathered Rcok.		6'
	5'-6'3"						Weathered Rock
10							10'
	SS-3	>50	50/0"	0	Empty spoon. Split spoon refusal at 10 ft.		EOB @ 10'
	10'						
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-27
Ricket Lane	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 21, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 21, 2013

Hole Size : ~6"	Weather : Sunny, Bright, ~70	Ground Water (Depth) : Not Encountered
Drilling Method : SSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		SAND 1.5'
	SS-1 0.5'-2.5'	45	14-18-27-40	12"	Top 3": Fill. Middle 4": Reddish brown SAND. Bottom 3": Reddish brown fine to medium SAND and fine GRAVEL, dry. GLACIAL TILL.		
5	SS-2 5'-7'	51	16-22-29-33	12"	Reddish brown SAND and fine GRAVEL, GLACIAL TILL.		GLACIAL TILL
10	SS-3 10'-12'	55	12-25-30-36		Reddish brown SAND and fine GRAVEL, GLACIAL TILL.		12'
							EOB @ 12'
15							

SAMPLE TYPES:	trace 0 to 5%	SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	few 5 to 10%			
SS=SPLIT SPOON	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
ST=SHELBY TUBE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-28
159 Route 17	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Partly Cloudy, ~75	Ground Water (Depth) : 4'-9"
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					8" Pavement.		
	SS-1	36	10-16-20-22	18"	Reddish brown fine to medium SAND, little fine to coarse gravel, trace silt, moist.		
	1'-3'						
5							
	SS-2	20	9-10-10-11	16"	Reddish brown fine to medium SAND, little fine to medium gravel, some silt, wet.		Sand & Gravel
	5'-7'						
10							
	SS-3	47	26-27-20-13	11"			
	10'-12'				Reddish brown fine to medium SAND, some fine to coarse GRAVEL, trace silt, wet. Possible weathered rock at 11'8".		12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-29
Old Cemetary Road	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 21, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 21, 2013

Hole Size : ~6"	Weather : Sunny, Bright, ~70	Ground Water (Depth) : Not Encountered
Drilling Method : SSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					2" Pavement.		
	SS-1	>50	13-60-50/3"	12"	Reddish brown fine to medium SAND with some fine to coarse gravel.		
	0.5'-2.5'						Gravelly Sand
5							5'
	SS-2	>50	38-60-50/3"	12"	Mottled fine to medium SAND and fine to coarse GRAVEL, dry. GLACIAL TILL.		
	5'-7'						
					Grinding at 7'-8' and 8.5'-9'.		GLACIAL TILL
10							
	SS-3	30	10-15-15-18	2"	Gray fine to medium SAND and fine to coarse GRAVEL, dry. GLACIAL TILL.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-30
97 Maple Avenue Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 20, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 20, 2013

Hole Size : ~6"	Weather : Sunny, Bright, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	22	3-5-17-22	3"	Reddish brown SAND and GRAVEL, fine to medium sand, trace silt, dry.		Sand & Gravel
	0.5'-2.5'						3.5'
5							
	SS-2	29	5-12-17-19		Reddish brown fine to medium SAND, little fine gravel, dry. GLACIAL TILL.		GLACIAL TILL
	5'-7'						
10							
	SS-3	20	13-10-10-15	12"	Reddish brown fine to medium SAND, little fine gravel, moist. GLACIAL TILL.		12'
	10'-12'						EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-31
119 Maple Avenue	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN:	Aug. 20, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 20, 2013
Hole Size : ~6"	Weather : Sunny, Bright, ~75	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	42	13-25-17-18	10"	Mottled fine to medium SAND, little fine to coarse gravel, dry.		
	0.5'-2.5'						Sand
					Grinding at 3 ft.		
5							5'
	SS-2	69	28-39-30-25	0	Empty spoon. Possibly till from cuttings.		
	5'-7'						
							GLACIAL TILL
10							
	SS-3	62	15-27-35-34	9"	Reddish brown SILT with little fine gravel, dry. GLACIAL TILL.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-32
158 Maple Avenue Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN:	Aug. 19, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 19, 2013

Hole Size : ~6"	Weather : Sunny, Bright ~76	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	41	18-25-16-7	8"	Top 3": Coarse Gravel.		
	0.5'-2.5'				Bottom 4": Reddish brown SILT with few fine gravel, dry. GLACIAL TILL.		
					Grinding at 2.5' and 4.5'.		
5							
	SS-2	17	12-9-8-12	12"	Reddish brown SILT with little fine to coarse gravel, some fine to coarse sand, moist. GLACIAL TILL.		GLACIAL TILL
	5'-7'						
10							
	SS-3	144	54-66-78-60	12"	Reddish brown SILT with little fine to coarse GRAVEL, moist. GLACIAL TILL.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:	trace 0 to 5%	SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	few 5 to 10%			
SS=SPLIT SPOON	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
ST=SHELBY TUBE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-33
17 Route 68	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		10'-4"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 26, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 26, 2013

Hole Size : ~6"	Weather : Cloudy, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					7" Pavement.		
	SS-1	57	18-26-31-30	12"	Brown fine to medium SAND, some fine to coarse gravel, trace silt, dry.		
	1'-3'						
5							
	SS-2	>50	50/3"		Empty spoon.		Sand & Gravel
	5'-7'						
10							
	SS-3	>50	50/4"	3"	Reddish brown fine to medium SAND, some fine to coarse gravel, trace silt, dry.		10'4"
	10'-10'4"						EOB @ 10'-4"
15							

SAMPLE TYPES:	trace 0 to 5%	SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	few 5 to 10%			
SS=SPLIT SPOON	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
ST=SHELBY TUBE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-34
184 Maple Avenue Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN:	Aug. 19, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 19, 2013

Hole Size : ~6"	Weather : Sunny, Bright ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	34	16-17-17-18	13"	Reddish brown SILTY fine SAND with little fine gravel, moist.		
	0.5'-2.5'						
5							
	SS-2	29	9-12-17-19	12"	Reddish brown SILTY fine SAND with little fine gravel, trace coarse brown sand lenses, moist.		SILTY SAND
	5'-7'						
					Little grinding at 8 ft.		
10							
	SS-3	94	9-35-59-50	12"	Reddish brown fine SANDY SILT, little fine to coarse gravel, trace coarse sand, moist.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-35
Maple Avenue Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 12 ft
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN:	Aug. 20, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 20, 2013

Hole Size : ~6"	Weather : Sunny, Bright, ~75	Ground Water (Depth) : 10 ft
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1 0.5'-2.5'	47	15-26-21-20	12"	Mottled SAND & GRAVEL, mostly fine sand, some gravel, trace fines, moist.		Sand & Gravel 2.5'
5	SS-2 5'-7'	10	4-3-7-9	11"	Reddish brown SILTY fine SAND with little fine gravel, moist.		Silty Sand 9'
10	SS-3 10'-12'	43	27-20-23-20	11"	Grinding around 9 ft. Mottled fine SAND and fine to coarse GRAVEL, little fines, wet.		Sand & Gravel 12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-36
Maple Avenue Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 9'-11"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN:	Aug. 20, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 20, 2013

Hole Size : ~6"	Weather : Sunny, Bright, ~80	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	50	21-26-24-26	3"	Mottled GRAVELLY SANDk, fine to medium sand, some fine to coarse gravel, dry.		
	0.5'-2.5'						Sand
5							
	SS-2	>50	33-39-50/3"	7"	Top 3": Mottled fine to medium Sand, little coarse gravel, few fines, moist.		6'
	5'-6'3"				Bottom 4": Reddish brown GLACIAL TILL.		GLACIAL TILL
10	SS-3	>50	50/3"	2"	Reddish brown SILT with few coarse gravel, dry. GLACIAL TILL.		9'11"
	9'8"-9'11"						EOB @ 9'-11"
15							

SAMPLE TYPES:		SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace 0 to 5%			
SS=SPLIT SPOON	few 5 to 10%			
ST=SHELBY TUBE	little 15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-37
Talcott Lane	LOCATION:	Elevation:	Total Depth:
Durham, CT	N: E:		12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN:	Aug. 20, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 20, 2013
Hole Size : ~6"	Weather : Sunny, Bright, ~70	Ground Water (Depth) : Not Encountered	
Drilling Method : SSA/3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					2" Pavement.		
	SS-1	22	16-16-6-3	6"	Reddish brown fine to medium SAND, few fine to coarse gravel, trace fines, moist.		
	0.5'-2.5'						
5							Sand
	SS-2	87	24-43-44-16	12"	Reddish brown fine to medium SAND, little fin to coarse gravel, little fines, moist.		
	5'-7'				grinding at 7.5 ft, occasional cobbles.		
10							10'
	SS-3	37	7-18-19-22	16"	Reddish brown SILT, non-plastic, little fine sand, trace fine gravel, moist.		SILT
	10'-12'						12'
15							EOB @ 12'

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET 1 of 1	BORING NO. B-38
SITE LOCATION: 18 Maiden Lane, Durham, CT	JOB NO.: **60275749.06.01** LOCATION: N: E:	Elevation:	Total Depth: 10'-9"
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN: Aug. 27, 2013	
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED : Aug. 27, 2013	
Hole Size : ~6"	Weather : Light, Cloudy, ~80	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 5 ft	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					5" Pavement.		
	SS-1	>50	50/3"	0	Empty spoon.		
	0.5'-0.75'				Brown fine to coarse Sand & Gravel, little silt, few cobbles for the cuttings.		Sand & Gravel
5							5'
	SS-2	>50	33-50/3"	6"	Weathered rock.		
	5'-5'9"						Weathered Rock
10							10'9"
	SS-3	>50	24-50/3"	6"	Weathered rock.		
	10'-10'9"						EOB @ 10'9"
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET 1 of 1	BORING NO. B-39
SITE LOCATION: Maiden Road, Durham, CT	JOB NO.: **60275749.06.01** LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire/W. Song	BEGUN: Aug. 20, 2013	
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED : Aug. 20, 2013	
Hole Size : ~6"	Weather : Sunny, Bright, ~70	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					9" Pavement.		
	SS-1	29	12-13-16-15	11"	Brown fine to coarse SAND, some gravel.		
	1'-3'						Sand & Gravel
5							
	SS-2	18	10-9-9-10	18"	Reddish brown CLAY, some silt, moist.		
	5'-7'						8'
10							Clayey Silt
	SS-3	11	3-4-7-8	24"	Reddish brown CLAY, some silt, moist.		
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-40
Brick Lane Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 21, 2013
DRILL RIG : Mobile B-53	DRILLER : Orin Cone	FINISHED :	Aug. 21, 2013

Hole Size : ~6"	Weather : Sunny, Bright, ~77	Ground Water (Depth) : 7'-2"
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3" Pavement.		
	SS-1	37	12-21-16-11	14"	Reddish brown fine to medium SAND, some fine gravel, trace silt, dry.		
	0.5'-2.5'						
5					grinding at 4.5 ft depth.		Gravelly Sand
	SS-2	22	7-11-11-8	16"	Reddish brown fine SAND, some fine gravel, trace silt.		
	5'-7'						
							9'
10							
	SS-3	7	2-3-4-7	23"	Reddish brown SILTY SAND.		Silty Sand
	10'-12'						12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-41
Brick Lane Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 6'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Light, Cloudy, ~75	Ground Water (Depth) : Not Encountered
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : 5 ft

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3.5" Pavement.		
	SS-1	14	10-6-8-10		Reddish brown fine to medium SAND, some clay, little silt, dry.		
	1'-3'						Clayey Sand
5							5'
	SS-2	>50	50/0"	0"	Empty spoon.		6' Possible Rock
	5'				Auger refusal at 6 ft depth.		EOB @ 6'
10							
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749.06.01**	1 of 1	B-42
Brick Lane Durham, CT	LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN:	Aug. 28, 2013
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED :	Aug. 28, 2013

Hole Size : ~6"	Weather : Light, Cloudy, ~75	Ground Water (Depth) : 8'
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					3.5" Pavement; 4" Base Gravel.		
	SS-1 1'-3'	26	12-13-13-10	18"	Brown fine to coarse SAND, some fine to coarse gravel, little silt.		Sand & Gravel
							4'
5							
	SS-2 5'-7'	16	8-8-8-10	18"	Brown SILTY CLAY, trace fine sand, moist.		Silty Clay
							9'
10							
	SS-3 10'-12'	29	3-11-18-16	16"	Reddish brown fine to medium SAND, some silt, little fine gravel, wet.		Silty Sand
							12'
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Durham Water Main**		SHEET 1 of 1	BORING NO. B-43
SITE LOCATION: Picket Lane, Durham, CT	JOB NO.: **60275749.06.01** LOCATION: N: E:	Elevation:	Total Depth: 12'
DRILL CONTRACTOR : NEB	ENG/GEO : M. McGuire	BEGUN: Aug. 26, 2013	
DRILL RIG : Mobile B-53	DRILLER : Mike St. John	FINISHED : Aug. 26, 2013	
Hole Size : ~6"	Weather : Cloudy, ~75	Ground Water (Depth) : Not Encountered	
Drilling Method : 3.25" HSA	Drilling Fluid : Not Used	Top of Rock (Depth) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	ASTM Class.	STRATIGRAPHIC DESCRIPTION
					1.5" Pavement.		
	SS-1	57	14-28-29-29	18"	Reddish brown fine to medium SAND, little fine to medium gravel, trace silt, dry.		
	1'-3'						
5							
	SS-2	30	11-14-16-15	10"	Reddish brown fine to medium SAND, some fine to coarse gravel, trace silt, dry.		Sand & Gravel
	5'-7'						
10							
	SS-3	40	23-22-18-20	20"	Reddish brown fine to medium SAND, trace fine gravel, trace silt, moist.		11'
	10'-12'						12' Sand
							EOB @ 12'
15							

SAMPLE TYPES:			SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	trace	0 to 5%			
SS=SPLIT SPOON	few	5 to 10%			
ST=SHELBY TUBE	little	15 to 25%	Cohesionless Density: 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
R=ROCK CORE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Allyn Brook Crossing - Durham Meadows**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **036101610-0002-00003**	1 of 1	**B-51**
Maple Ave, Durham CT Allyn Brook Water Main Crossing	LOCATION Durham, CT N: E:	Elevation:	Total Depth: 12 ft. bgs
DRILL CONTRACTOR Northern Drill Service	ENG/GEO W. Abrahams-Dematte	BEGUN :	9/22/14
DRILL RIG : MobileDrill B-48	DRILLER : Tim/Justin	FINISHED :	9/22/14

Hole Size : 3-inch	Weather : Sunny, Temperature ~ 70 F.	Ground Water (Depth/Elev.) : >12 ft. below ground surface
Drilling Method : Hollow Stem Auger	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	USCS Class.	STRATIGRAPHIC DESCRIPTION
	SS-1	8	2	2.0	Brown, Fine Sandy Loam, topsoil, roots, dry.		Topsoil
			4				0.9
			4		Brownish red, Silty Till, few-trace clay, trace fine sand		Silty Till
2			4		and angular gravel, slightly firm, dry.		
	SS-2	6	3	1.7	Brownish-red Silty Till, few-trace clay, trace fine sand		
			3		and angular gravel, slightly moist, slight cohesion.		
			3				
4			6				
	SS-3	17	4	1.7	Brownish Red, Fine Sandy Silt, trace clay and angular		
			8		fine gravel, dry.		
			9				
6			11				
	SS-4	16	12	1.0	Same As Above		
			7				6.8
			9		Yellow-brown, Clayey Silt Till, dry.		Clayey-Silt Till
8			7				
	SS-5	23	4	1.8	Brownish-red, Clayey Silt Till, few-trace angular fine		
			10		gravel, dry.		
			13				
10			11				
	SS-6	24	11	2.0	Same As Above		
			12				
			12				
12			19				EOB 12 ft.

SAMPLE TYPES:	trace	0 to 5%	SPT Resistance	Approve/Date
S3=3" SPLIT SPOON	few	5 to 10%		
SS=SPLIT SPOON	little	15 to 25%	Cohesionless Density 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft
ST=SHELBY TUBE	some	30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff
R=ROCK CORE	mostly	>50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard

GEOLOGIC LOG

AECOM

PROJECT : **Allyn Brook Crossing - Durham Meadows**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **036101610-0002-00003**	1 of 1	**B-52**
Maple Ave, Durham CT Allyn Brook Water Main Crossing	LOCATION Durham, CT N: E:	Elevation:	Total Depth: 12 ft. bgs
DRILL CONTRACTOR Northern Drill Service	ENG/GEO W. Abrahams-Dematte	BEGUN :	9/22/14
DRILL RIG : MobileDrill B-48	DRILLER : Tim/Justin	FINISHED :	9/22/14

Hole Size : 3-inch	Weather : Sunny, Temperature ~ 70 F.	Ground Water (Depth/Elev.) : >12 ft. below ground surface
Drilling Method : Hollow Stem Auger	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not encountered

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	USCS Class.	STRATIGRAPHIC DESCRIPTION
	SS-1	6	2		Brown, Fine Sandy Loam Topsoil, dry.		0.1 Topsoil
			3	1.0	Brownish-red, Clayey Silt Till, trace angular gravel, dry.		Silty Till
			3				
2			4				
	SS-2	13	6		Same As Above.		2.5
			7	1.0	Yellowish-brown, Silt, platy (highly weathered rock).		Silt/Weathered Rock Till
			6				
4			7				
	SS-3	7	3		Same As Above		
			3	1.4			
			4				
6			3				
	SS-4	5	3		Brownish-red, Fine Sand and Silt, trace angular		
			3	0.9	gravel. Weathered rock		
			2				
8			4				
	SS-5	14	3		Red/yellow-brown and gray-green Silty Weathered		
			6	1.7	Rock, dry.		
			8				
10			8				
	SS-6	19	9		Same As Above		
			10	1.2			
			9				
12			9				EOB 12 ft.

SAMPLE TYPES:	trace 0 to 5%	SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	few 5 to 10%			
SS=SPLIT SPOON	little 15 to 25%	Cohesionless Density 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
ST=SHELBY TUBE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

GEOLOGIC LOG

AECOM

PROJECT : **Allyn Brook Crossing - Durham Meadows**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **036101610-0002-00003**	1 of 1	**B-53**
Maple Ave, Durham CT Allyn Brook Water Main Crossing	LOCATION Durham, CT N: E:	Elevation:	Total Depth: 12 ft. bgs
DRILL CONTRACTOR Northern Drill Service	ENG/GEO W. Abrahams-Dematte	BEGUN :	9/22/14
DRILL RIG : MobileDrill B-48	DRILLER : Tim/Justin	FINISHED :	9/22/14

Hole Size : 3-inch	Weather : Sunny, Temperature ~ 70 F.	Ground Water (Depth/Elev.) : >12 ft. below ground surface
Drilling Method : Hollow Stem Auger/3" Casing for Rock Core	Drilling Fluid : Water (rock core only)	Top of Rock (Depth/Elev.) : 6.5 feet below ground surface

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	USCS Class.	STRATIGRAPHIC DESCRIPTION
	SS-1	18	6		Brown, Fine Sandy Loam Topsoil, dry.		0.1 Topsoil
			11	1.5	Brownish-red, Silty Fine Sand Till, trace angular		Silty Till
			7		gravel, dry.		
2			6				
	SS-2	22	8		Same As Above plus trace rock fragments.		
			10	1.3			
			12				
4			7				
	SS-3	12	3		Same As Above plus few-trace clay.		
			4	1.6			
			8				
6			82				
	SS-4		100/5"		Redish-brown weathered rock, dry. Refusal 6.5 ft.		6.5
				0.5	Roller-bit to 7.0 feet, collect 5-ft run NX core.		Micaceous Siltstone
8	Rock	Core					
	min.	sec.	depth (ft bgs)				
	3	13	7-8		Micaceous Siltstone		
	3	40	8-9		Fracture zones at 7.8-9.7 feet and 10.8-11.3 feet bgs.		
	4	36	9-10	RQD			
	3	40	10-11	52%			
	4	31	11-12				
							EOB 12 ft.

SAMPLE TYPES:	trace 0 to 5%	SPT Resistance		Approve/Date
S3=3" SPLIT SPOON	few 5 to 10%			
SS=SPLIT SPOON	little 15 to 25%	Cohesionless Density 0-4 Very Loose	Cohesive Consistency: 0-2 Very Soft	
ST=SHELBY TUBE	some 30 to 45%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	mostly >50%	30-49 Dense 50+ Very Dense	16-30 V-Stiff, 31+ Hard	

ATTACHMENT 2

LABORATORY TESTING RESULTS

GeoTesting EXPRESS

Technologies to manage risk for infrastructure

Atlanta
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San Francisco

www.geotesting.com

Transmittal

TO:

Wei Song
AECOM
701 Edgewater Drive
Wakefield, MA 01880

DATE: 10/31/2013	GTX NO: 300642
RE: Durham Meadows Waterline	

COPIES	DATE	DESCRIPTION
	10/31/2013	**October 2013 Laboratory Test Report**

REMARKS:

SIGNED: _____
Joe Tomei, Laboratory Manager

CC:

APPROVED BY: _____
Nancy Hubbard, Project Manager

GeoTesting
EXPRESS

Technologies to manage risk for infrastructure

Atlanta
Boston
Chicago
New York
San Francisco

www.geotesting.com

October 31, 2013

Wei Song
AECOM
701 Edgewater Drive
Wakefield, MA 01880

RE: Durham Meadows Waterline, Durham, CT (GTX-300642)

Dear Wei:

Enclosed are the test results you requested for the above referenced project. GeoTesting Express, Inc. (GTX) received six samples from you on 9/27/2013. These samples were labeled as follows:

Boring	Sample	Depth
B-6	SS-2	5-7 ft
B-9	SS-2	5-7 ft
B-19	SS-2	5-7 ft
B-24	SS-2	5-7 ft
B-32	SS-2	5-7 ft
B-42	SS-2	5-7 ft

GTX performed the following tests on these samples:

5 ASTM D422 - Grain Size Analyses - Sieve and Hydrometer
1 ASTM D422 - Grain Size Analysis - Sieve Only

As requested, the hydrometer portion of the grain size analysis was not performed if the sample contained less than 25% passing the No. 200 sieve.

The results presented in this report apply only to the items tested. This report shall not be reproduced except in full, without written approval from GeoTesting Express. The remainder of these samples will be retained for a period of sixty (60) days and will then be discarded unless otherwise notified by you. Please call me if you have any questions or require additional information. Thank you for allowing GeoTesting Express the opportunity of providing you with testing services. We look forward to working with you again in the future.

Respectfully yours,

Joe Tomei
Laboratory Manager

GeoTesting EXPRESS

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Geotechnical Test Report

10/31/2013

GTX-300642
Durham Meadows Waterline

Durham, CT

Client Project No.: 60275749

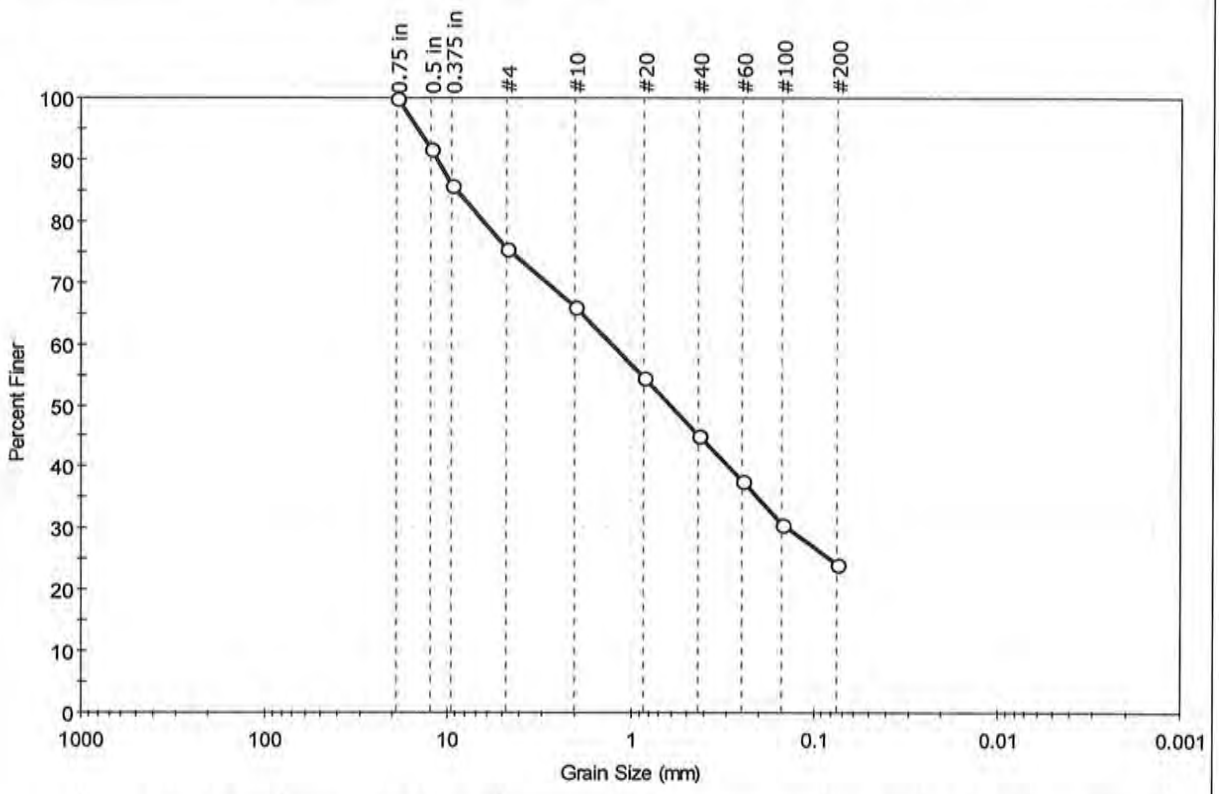
Prepared for:

AECOM

GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadows Waterline				
Location:	Durham, CT			Project No:	GTX-300642
Boring ID:	B-6	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-2	Test Date:	10/07/13	Checked By:	jdt
Depth :	5-7 ft	Test Id:	277017		
Test Comment:	Less than 25% fines, hydrometer not performed per client request				
Sample Description:	Moist, reddish brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	24.5	51.4	24.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	92		
0.375 in	9.50	86		
#4	4.75	75		
#10	2.00	66		
#20	0.85	55		
#40	0.42	45		
#60	0.25	38		
#100	0.15	31		
#200	0.075	24		

Coefficients

D_{85} = 9.0546 mm D_{30} = 0.1403 mm
D_{60} = 1.2770 mm D_{15} = N/A
D_{50} = 0.6098 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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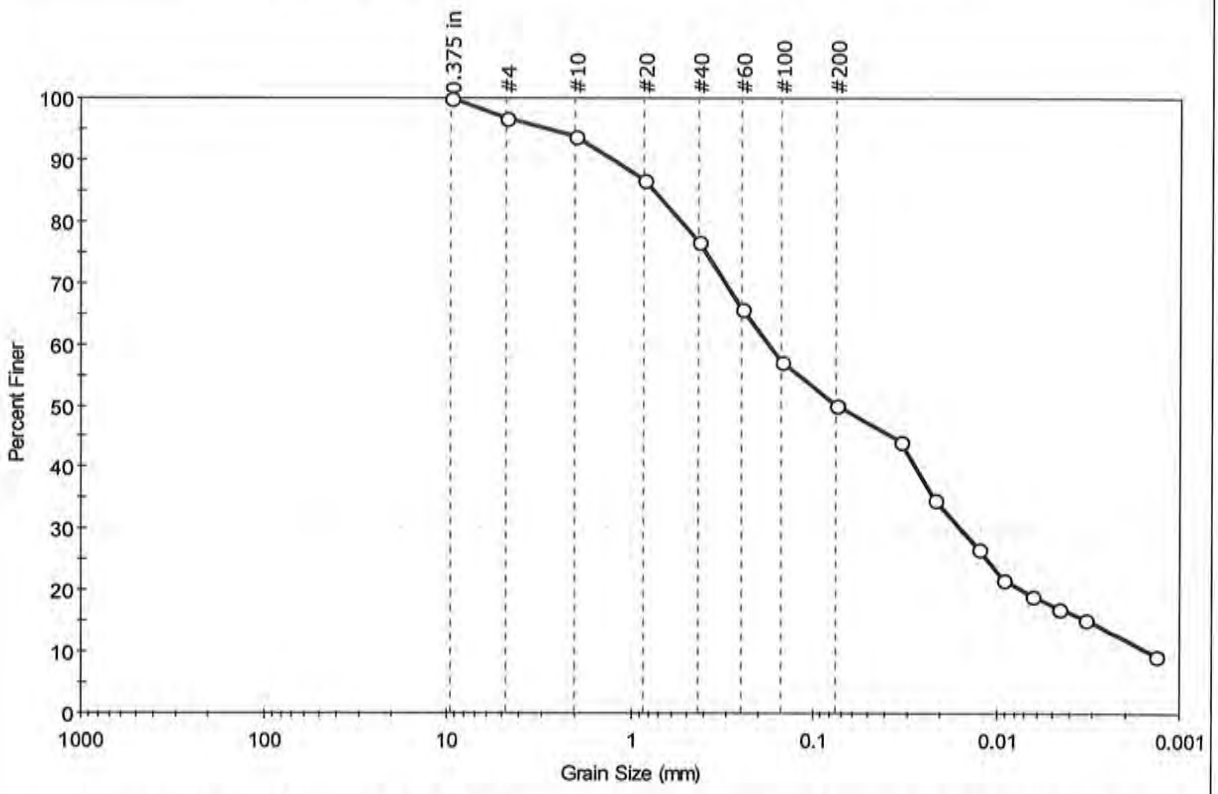
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadows Waterline				
Location:	Durham, CT			Project No:	GTX-300642
Boring ID:	B-9	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-2	Test Date:	10/08/13	Checked By:	jdt
Depth :	5-7 ft	Test Id:	277018		
Test Comment:	---				
Sample Description:	Moist, dark grayish brown sandy silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	3.1	46.7	50.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	97		
#10	2.00	94		
#20	0.85	87		
#40	0.42	77		
#60	0.25	66		
#100	0.15	57		
#200	0.075	50		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0334	44		
---	0.0215	35		
---	0.0127	27		
---	0.0091	22		
---	0.0065	19		
---	0.0046	17		
---	0.0033	15		
---	0.0014	10		

Coefficients

D_{85} = 0.7511 mm	D_{30} = 0.0155 mm
D_{60} = 0.1774 mm	D_{15} = 0.0032 mm
D_{50} = 0.0732 mm	D_{10} = 0.0015 mm
C_u = 118.267	C_c = 0.903

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65
Separation of Sample: #200 Sieve

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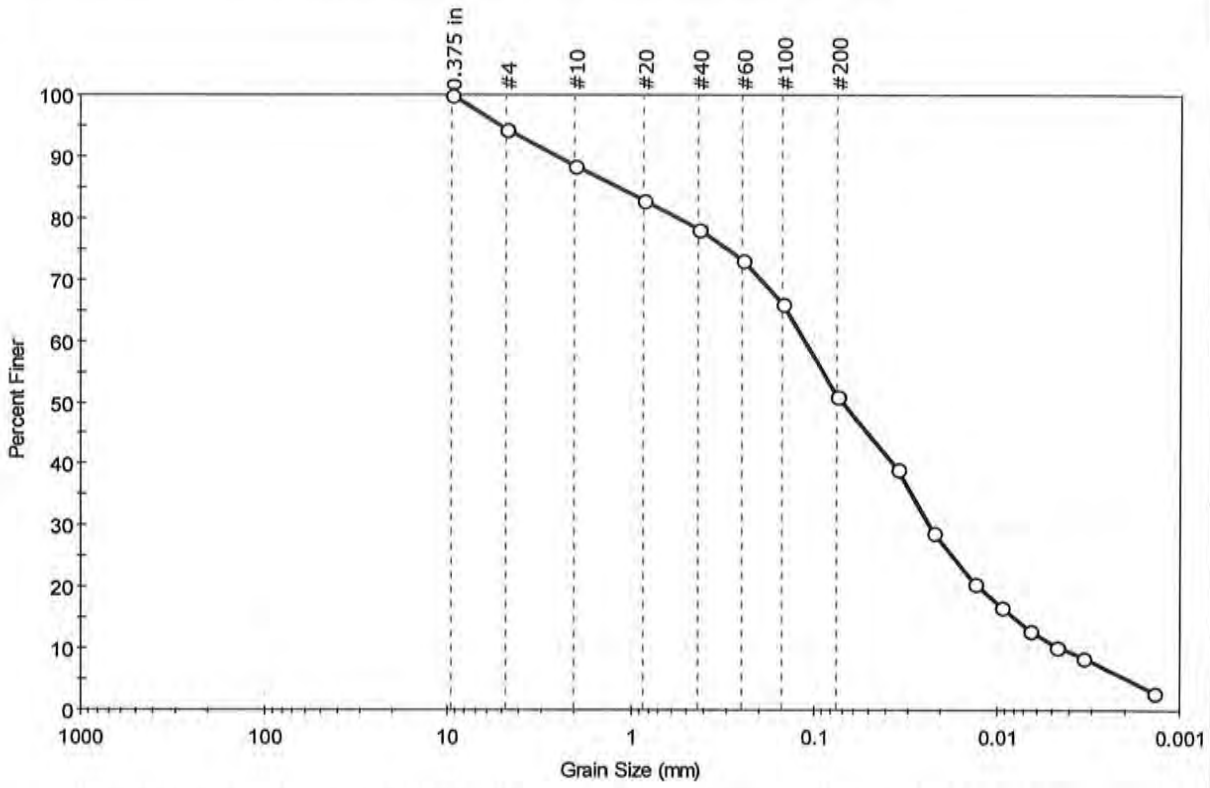
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadows Waterline				
Location:	Durham, CT			Project No:	GTX-300642
Boring ID:	B-19	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-2	Test Date:	10/08/13	Checked By:	jdt
Depth :	5-7 ft	Test Id:	277019		
Test Comment:	---				
Sample Description:	Moist, grayish brown sandy silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	5.6	43.4	51.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	94		
#10	2.00	88		
#20	0.85	83		
#40	0.42	78		
#60	0.25	73		
#100	0.15	66		
#200	0.075	51		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0347	39		
---	0.0222	29		
---	0.0131	21		
---	0.0093	17		
---	0.0067	13		
---	0.0047	10		
---	0.0034	8		
---	0.0014	3		

Coefficients

D_{85} = 1.1750 mm	D_{30} = 0.0232 mm
D_{60} = 0.1134 mm	D_{15} = 0.0079 mm
D_{50} = 0.0701 mm	D_{10} = 0.0045 mm
C_u = 25.200	C_c = 1.055

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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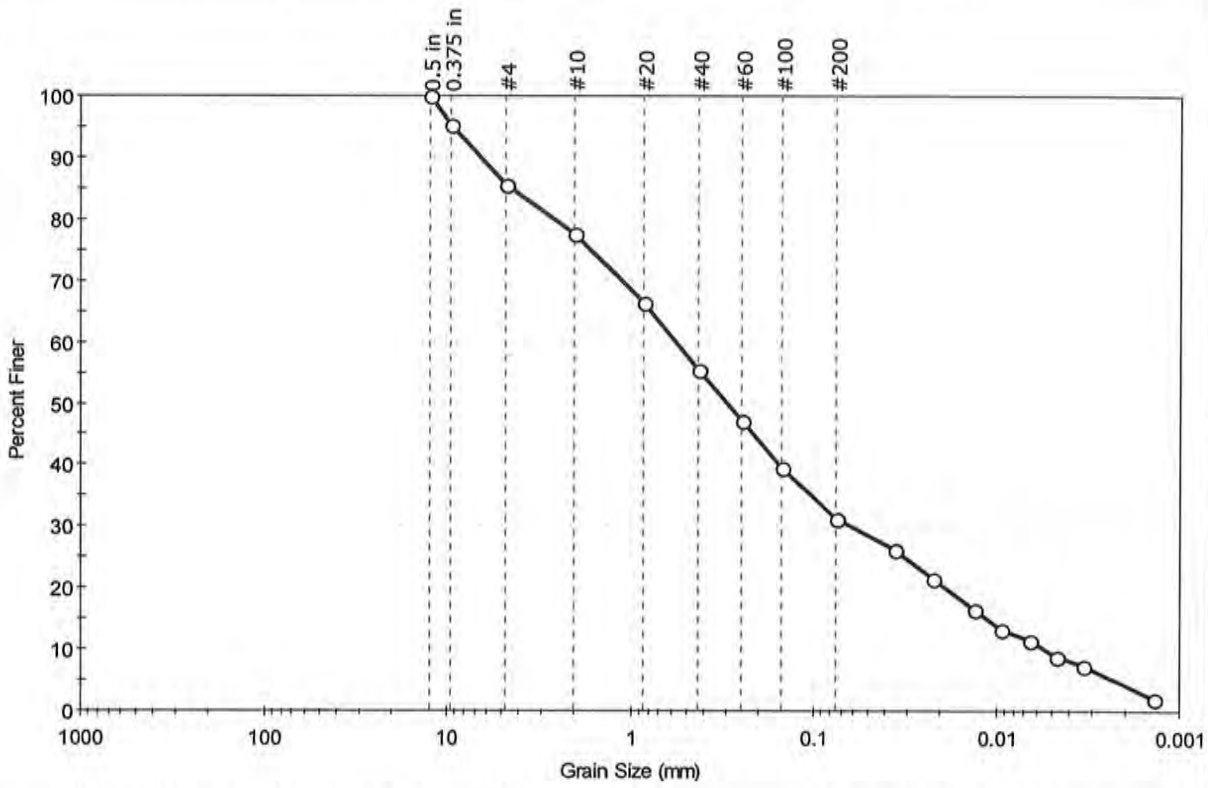
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadows Waterline				
Location:	Durham, CT			Project No:	GTX-300642
Boring ID:	B-24	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-2	Test Date:	10/08/13	Checked By:	jdt
Depth :	5-7 ft	Test Id:	277020		
Test Comment:	---				
Sample Description:	Moist, dark grayish brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	14.5	54.3	31.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	95		
#4	4.75	85		
#10	2.00	78		
#20	0.85	66		
#40	0.42	56		
#60	0.25	47		
#100	0.15	40		
#200	0.075	31		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0359	26		
---	0.0222	22		
---	0.0131	17		
---	0.0093	13		
---	0.0067	12		
---	0.0047	9		
---	0.0034	7		
---	0.0014	2		

Coefficients

D_{85} =4.5035 mm	D_{30} =0.0630 mm
D_{60} =0.5651 mm	D_{15} =0.0111 mm
D_{50} =0.3002 mm	D_{10} =0.0055 mm
C_u =102.745	C_c =1.277

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65
Separation of Sample: #200 Sieve

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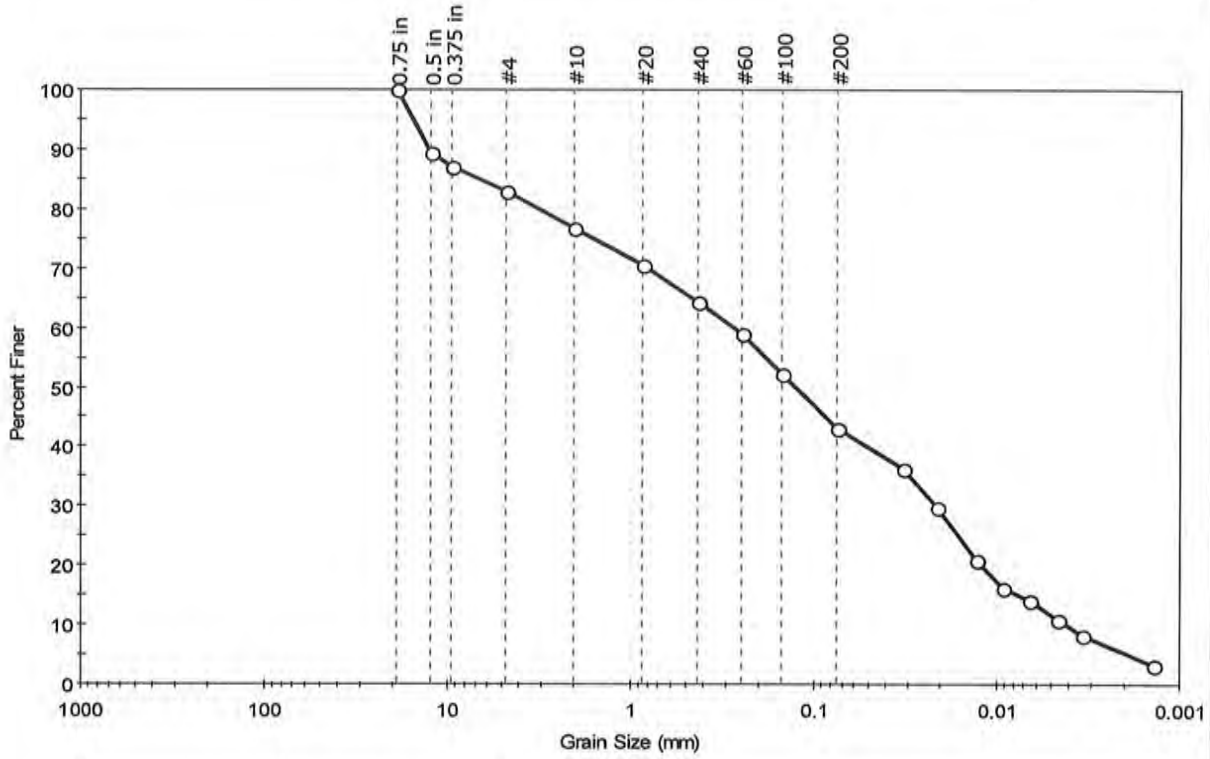
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadows Waterline				
Location:	Durham, CT			Project No:	GTX-300642
Boring ID:	B-32	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-2	Test Date:	10/08/13	Checked By:	jdt
Depth :	5-7 ft	Test Id:	277021		
Test Comment:	---				
Sample Description:	Moist, dark brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	17.0	39.9	43.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	89		
0.375 in	9.50	87		
#4	4.75	83		
#10	2.00	77		
#20	0.85	70		
#40	0.42	64		
#60	0.25	59		
#100	0.15	52		
#200	0.075	43		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0327	36		
---	0.0212	30		
---	0.0128	21		
---	0.0092	16		
---	0.0066	14		
---	0.0047	11		
---	0.0033	8		
---	0.0014	3		

Coefficients

D_{85} =6.7672 mm	D_{30} =0.0216 mm
D_{60} =0.2785 mm	D_{15} =0.0075 mm
D_{50} =0.1263 mm	D_{10} =0.0042 mm
C_u =66.310	C_c =0.399

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65
Separation of Sample: #200 Sieve

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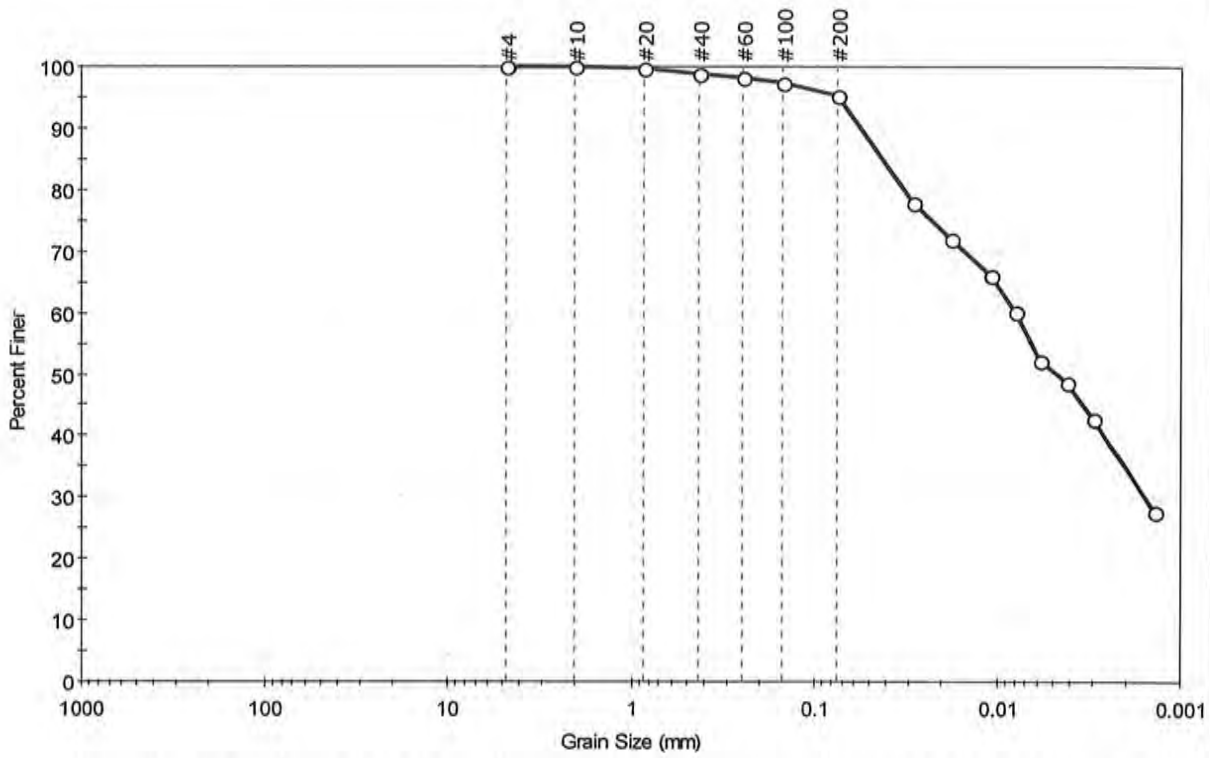
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadows Waterline				
Location:	Durham, CT			Project No:	GTX-300642
Boring ID:	B-42	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-2	Test Date:	10/09/13	Checked By:	jdt
Depth :	5-7 ft	Test Id:	277022		
Test Comment:	---				
Sample Description:	Moist, reddish brown clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	4.7	95.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	99		
#60	0.25	98		
#100	0.15	97		
#200	0.075	95		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0287	78		
---	0.0181	72		
---	0.0108	66		
---	0.0080	60		
---	0.0059	52		
---	0.0042	49		
---	0.0030	43		
---	0.0014	28		

Coefficients

D_{85} =0.0425 mm	D_{30} =0.0016 mm
D_{60} =0.0079 mm	D_{15} =N/A
D_{50} =0.0047 mm	D_{10} =N/A
C_u =N/A	C_c =N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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GeoTesting EXPRESS

WARRANTY and LIABILITY

GeoTesting Express (GTX) warrants that all tests it performs are run in general accordance with the specified test procedures and accepted industry practice. GTX will correct or repeat any test that does not comply with this warranty. GTX has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GTX may report engineering parameters that require us to interpret the test data. Such parameters are determined using accepted engineering procedures. However, GTX does not warrant that these parameters accurately reflect the true engineering properties of the *in situ* material. Responsibility for interpretation and use of the test data and these parameters for engineering and/or construction purposes rests solely with the user and not with GTX or any of its employees.

GTX's liability will be limited to correcting or repeating a test which fails our warranty. GTX's liability for damages to the Purchaser of testing services for any cause whatsoever shall be limited to the amount GTX received for the testing services. GTX will not be liable for any damages, or for any lost benefits or other consequential damages resulting from the use of these test results, even if GTX has been advised of the possibility of such damages. GTX will not be responsible for any liability of the Purchaser to any third party.

Commonly Used Symbols

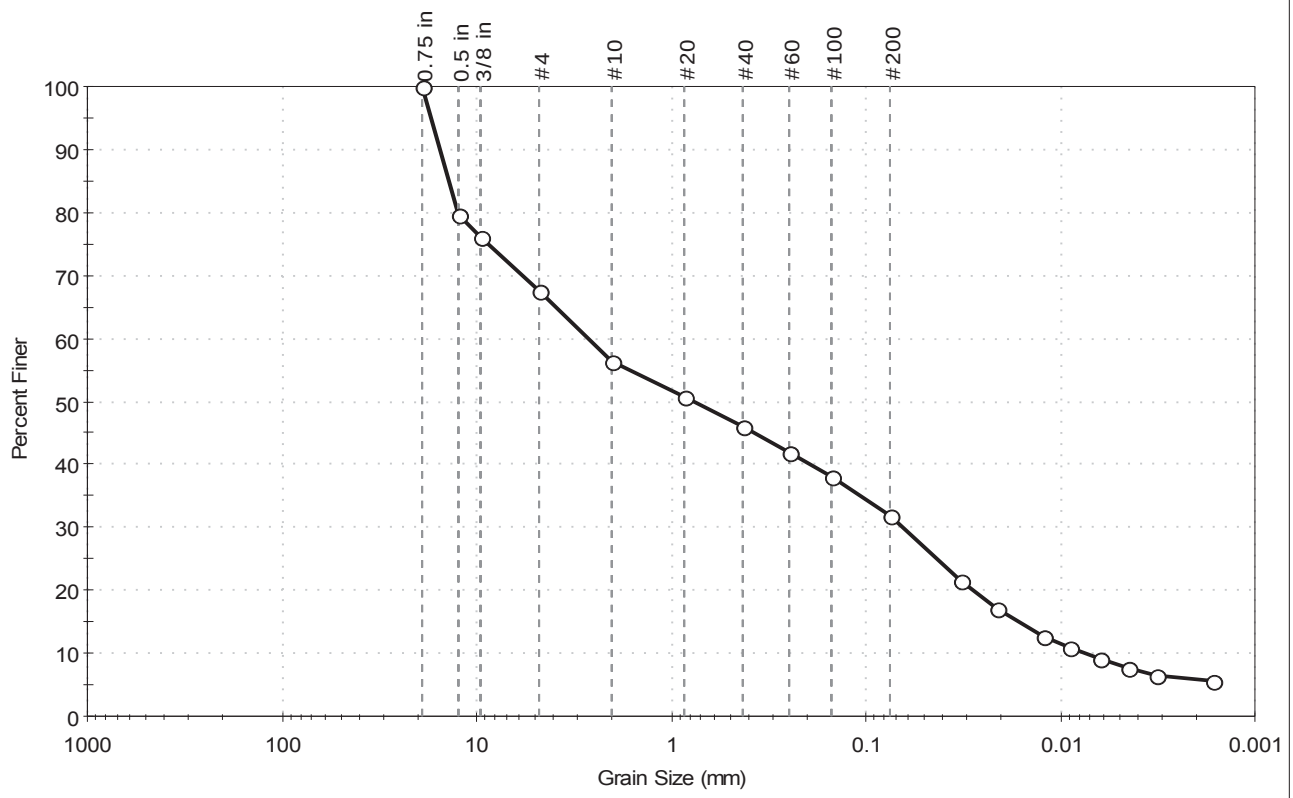
A	pore pressure parameter for $\Delta\sigma_1 - \Delta\sigma_3$
B	pore pressure parameter for $\Delta\sigma_3$
CIU	isotropically consolidated undrained triaxial shear test
CR	compression ratio for one dimensional consolidation
C_c	coefficient of curvature, $(D_{30})^2 / (D_{10} \times D_{60})$
C_u	coefficient of uniformity, D_{60}/D_{10}
C_c	compression index for one dimensional consolidation
C_α	coefficient of secondary compression
c_v	coefficient of consolidation
c	cohesion intercept for total stresses
c'	cohesion intercept for effective stresses
D	diameter of specimen
D_{10}	diameter at which 10% of soil is finer
D_{15}	diameter at which 15% of soil is finer
D_{30}	diameter at which 30% of soil is finer
D_{50}	diameter at which 50% of soil is finer
D_{60}	diameter at which 60% of soil is finer
D_{85}	diameter at which 85% of soil is finer
d_{50}	displacement for 50% consolidation
d_{90}	displacement for 90% consolidation
d_{100}	displacement for 100% consolidation
E	Young's modulus
e	void ratio
e_c	void ratio after consolidation
e_o	initial void ratio
G	shear modulus
G_s	specific gravity of soil particles
H	height of specimen
PI	plasticity index
i	gradient
K_o	lateral stress ratio for one dimensional strain
k	permeability
LI	Liquidity Index
m_v	coefficient of volume change
n	porosity
PI	plasticity index
P_c	preconsolidation pressure
p	$(\sigma_1 + \sigma_3) / 2$, $(\sigma_v + \sigma_h) / 2$
p'	$(\sigma'_1 + \sigma'_3) / 2$, $(\sigma'_v + \sigma'_h) / 2$
p'_c	p' at consolidation
Q	quantity of flow
q	$(\sigma_1 - \sigma_3) / 2$
q_f	q at failure
q_o, q_i	initial q
q_c	q at consolidation
S	degree of saturation
SL	shrinkage limit
s_u	undrained shear strength
T	time factor for consolidation
T	temperature
t	time
U, UC	unconfined compression test
UU, Q	unconsolidated undrained triaxial test
u_a	pore gas pressure
u_e	excess pore water pressure
u, u_w	pore water pressure
V	total volume
V_g	volume of gas
V_s	volume of solids
V_v	volume of voids
V_w	volume of water
V_o	initial volume
v	velocity
W	total weight
W_s	weight of solids
W_w	weight of water
w	water content
w_c	water content at consolidation
w_f	final water content
w_l	liquid limit
w_n	natural water content
w_p	plastic limit
w_s	shrinkage limit
w_o, w_i	initial water content
α	slope of q_f versus p_f
α'	slope of q_f versus p_f'
γ_t	total unit weight
γ_d	dry unit weight
γ_s	unit weight of solids
γ_w	unit weight of water
ε	strain
ε_{vol}	volume strain
ε_h, ε_v	horizontal strain, vertical strain
μ	Poisson's ratio, also viscosity
σ	normal stress
σ'	effective normal stress
σ_c, σ'_c	consolidation stress in isotropic stress system
σ_h, σ'_h	horizontal normal stress
σ_v, σ'_v	vertical normal stress
σ_1	major principal stress
σ_2	intermediate principal stress
σ_3	minor principal stress
τ	shear stress
φ	friction angle based on total stresses
φ'	friction angle based on effective stresses
φ'_r	residual friction angle
φ_{ult}	φ for ultimate strength

GeoTesting EXPRESS

Client:	AECOM				
Project:	Allyn Brook Crossing				
Location:	Durham, CT			Project No:	GTX-302373
Boring ID:	B-51	Sample Type:	bag	Tested By:	GA
Sample ID:	SS-4	Test Date:	10/03/14	Checked By:	jdt
Depth :	6-8 ft	Test Id:	309337		

Test Comment: ---
Sample Description: Moist, reddish brown silty sand with gravel
Sample Comment: ---

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	32.4	35.9	31.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	80		
3/8 in	9.50	76		
#4	4.75	68		
#10	2.00	56		
#20	0.85	51		
#40	0.42	46		
#60	0.25	42		
#100	0.15	38		
#200	0.075	32		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0328	21		
---	0.0211	17		
---	0.0123	13		
---	0.0089	11		
---	0.0063	9		
---	0.0045	8		
---	0.0032	6		
---	0.0017	5		

Coefficients

D_{85} = 13.9558 mm
D_{60} = 2.6471 mm
D_{50} = 0.7580 mm
C_u = 348.303
D_{30} = 0.0652 mm
D_{15} = 0.0164 mm
D_{10} = 0.0076 mm
C_c = 0.211

Classification

ASTM N/A

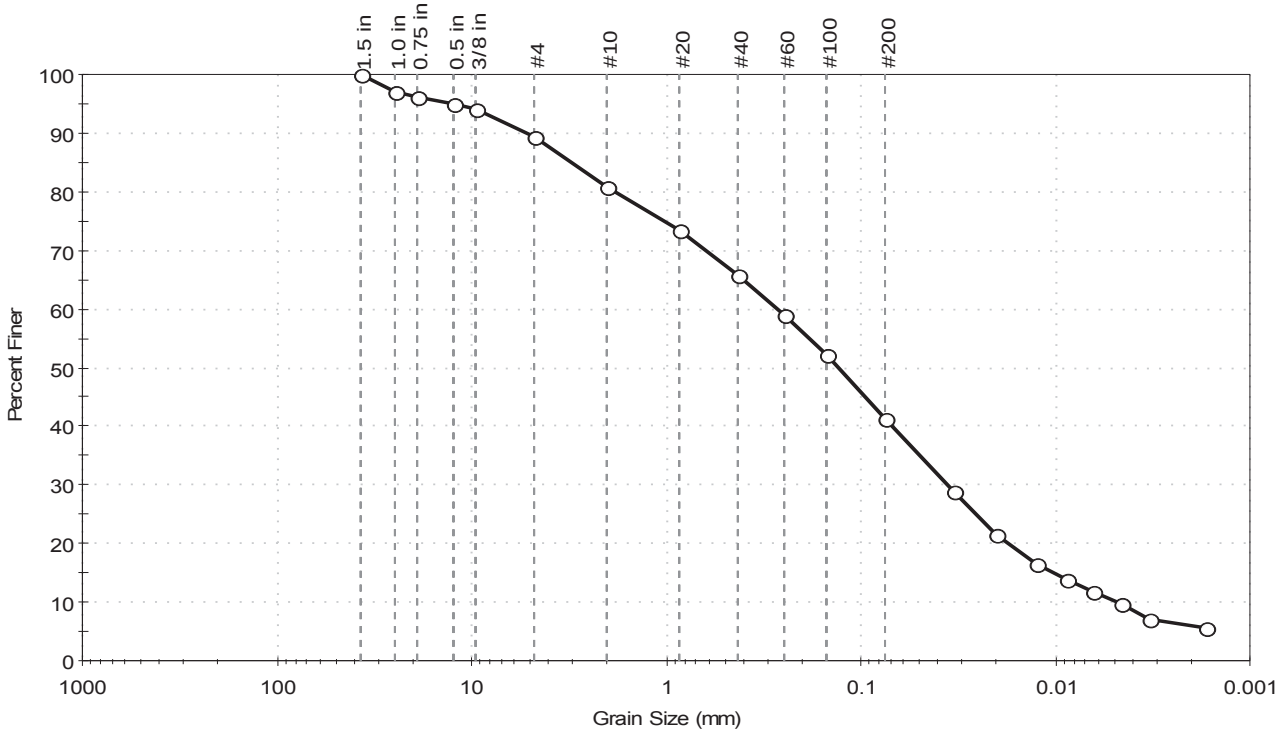
AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR
Sand/Gravel Hardness : SOFT
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65
Separation of Sample: 10 Sieve

Client:	AECOM				
Project:	Allyn Brook Crossing				
Location:	Durham, CT			Project No:	GTX-302373
Boring ID:	B-51	Sample Type:	bag	Tested By:	GA
Sample ID:	SS-6	Test Date:	10/03/14	Checked By:	jdt
Depth :	10-12 ft	Test Id:	309338		
Test Comment:	---				
Sample Description:	Moist, reddish brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	10.6	48.1	41.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1.0 in	25.00	97		
0.75 in	19.00	96		
0.5 in	12.50	95		
3/8 in	9.50	94		
#4	4.75	89		
#10	2.00	81		
#20	0.85	73		
#40	0.42	66		
#60	0.25	59		
#100	0.15	52		
#200	0.075	41		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0331	29		
---	0.0202	21		
---	0.0126	17		
---	0.0088	14		
---	0.0064	12		
---	0.0046	10		
---	0.0033	7		
---	0.0017	6		

Coefficients

D_{85} = 3.0421 mm
D_{30} = 0.0355 mm
D_{60} = 0.2683 mm
D_{15} = 0.0102 mm
D_{50} = 0.1305 mm
D_{10} = 0.0047 mm
C_u = 57.085
C_c = 0.999

Classification

ASTM N/A

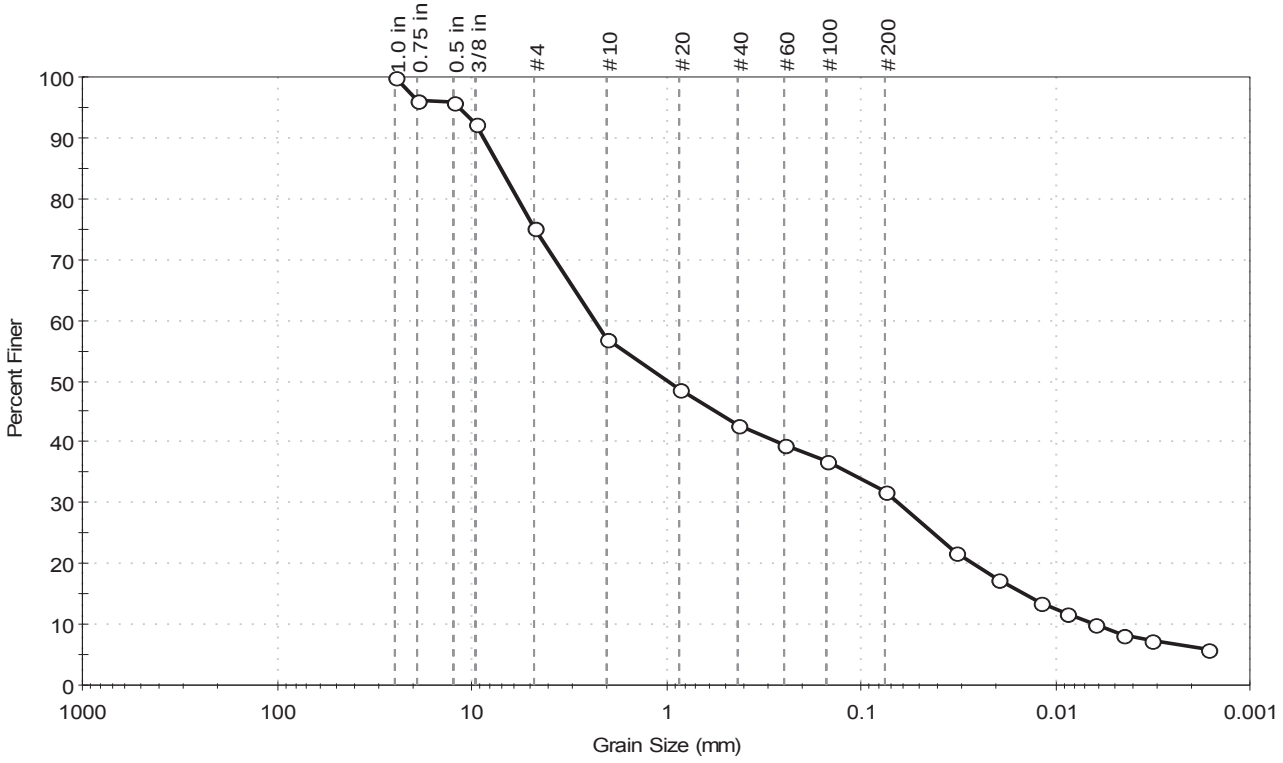
AASHTO Silty Soils (A-4 (0))

Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR
Sand/Gravel Hardness : SOFT
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65
Separation of Sample: 10 Sieve

Client:	AECOM				
Project:	Allyn Brook Crossing				
Location:	Durham, CT			Project No:	GTX-302373
Boring ID:	B-52	Sample Type:	bag	Tested By:	GA
Sample ID:	SS-5	Test Date:	10/03/14	Checked By:	jdt
Depth :	8-10 ft	Test Id:	309339		
Test Comment:	---				
Sample Description:	Moist, reddish brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	24.9	43.1	32.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.0 in	25.00	100		
0.75 in	19.00	96		
0.5 in	12.50	96		
3/8 in	9.50	92		
#4	4.75	75		
#10	2.00	57		
#20	0.85	49		
#40	0.42	43		
#60	0.25	40		
#100	0.15	37		
#200	0.075	32		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0328	22		
---	0.0200	17		
---	0.0119	14		
---	0.0088	12		
---	0.0063	10		
---	0.0045	8		
---	0.0032	7		
---	0.0017	6		

Coefficients

D_{85} = 7.0658 mm	D_{30} = 0.0637 mm
D_{60} = 2.3044 mm	D_{15} = 0.0143 mm
D_{50} = 0.9838 mm	D_{10} = 0.0061 mm
C_u = 377.770	C_c = 0.289

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : SOFT

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

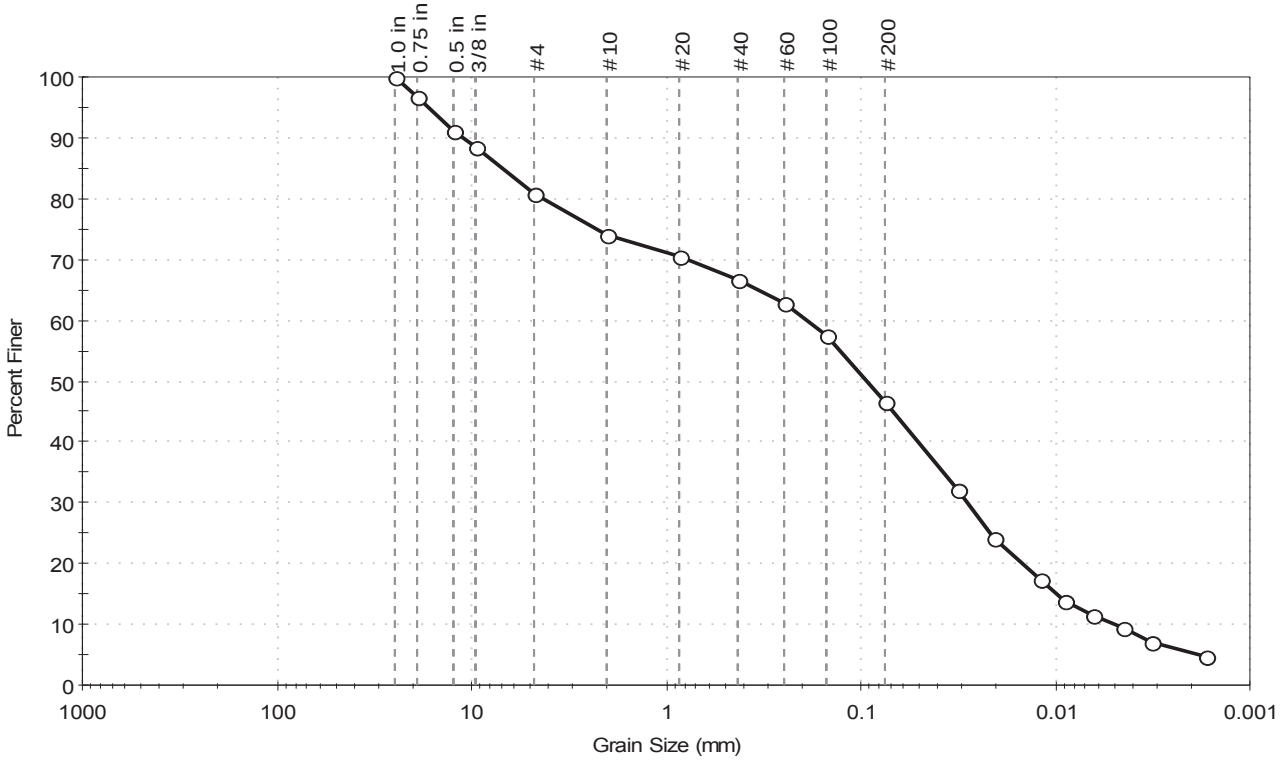
Separation of Sample: 10 Sieve

GeoTesting EXPRESS

Client:	AECOM				
Project:	Allyn Brook Crossing				
Location:	Durham, CT			Project No:	GTX-302373
Boring ID:	B-53	Sample Type:	bag	Tested By:	GA
Sample ID:	SS-3	Test Date:	10/03/14	Checked By:	jdt
Depth :	4-6 ft	Test Id:	309340		

Test Comment: ---
Sample Description: Moist, reddish brown silty sand with gravel
Sample Comment: ---

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	19.2	34.2	46.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.0 in	25.00	100		
0.75 in	19.00	97		
0.5 in	12.50	91		
3/8 in	9.50	88		
#4	4.75	81		
#10	2.00	74		
#20	0.85	70		
#40	0.42	67		
#60	0.25	63		
#100	0.15	57		
#200	0.075	47		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0318	32		
---	0.0208	24		
---	0.0119	17		
---	0.0089	14		
---	0.0064	12		
---	0.0045	9		
---	0.0032	7		
---	0.0017	5		

Coefficients

D_{85} = 6.9560 mm
D_{30} = 0.0282 mm
D_{60} = 0.1923 mm
D_{15} = 0.0097 mm
D_{50} = 0.0932 mm
D_{10} = 0.0050 mm
C_u = 38.460
C_c = 0.827

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR
Sand/Gravel Hardness : SOFT
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65
Separation of Sample: 10 Sieve

ATTACHMENT 3

ENVIRONMENTAL SAMPLING RESULTS

ENVIRONMENTAL DATA REPORT

Subsurface Investigation Results for the
Durham Meadows Waterline RD
Durham, CT

I. INTRODUCTION

During the geotechnical soil boring program, several samples were also collected for environmental analyses (volatile organic compounds (VOCs) and extractable total petroleum hydrocarbons (ETPH). Borings selected for analysis were based on their proximity to active and former gasoline stations, and the analyses selected were based to provide information for evaluating disposal of excavated soils from these areas during construction of the water-line. Sampling and analysis were performed in accordance with the *Sampling and Analysis Plan (SAP) Waterline Remedial Design Addendum* (AECOM, 2013) to the latest version of the *Sampling and Analysis Plan for Merriam Manufacturing Company Inc. Study Area; Pre-remedial Design Investigation; Durham Meadows Superfund Site, Durham, Connecticut* (AECOM, 2010.)

II. SAMPLE LOCATIONS

Samples were collected at intervals of 1 to 3, 5 to 7, 10 to 12, and 15 to 17 feet below grade surface (bgs) at boring location B-20 and at 1-3, 5-7, and 10-12 feet bgs at boring location B-21. Samples were collected simultaneously with the geotechnical boring program.

III. SAMPLE ANALYSES

Samples were analyzed for VOCs through EPA's Contract Laboratory Program (CLP) Routine Analytical Services (RAS) by Statement of Work SOM01.2 and for ETPH through EPA's Delivery of Analytical Services (DAS) by DAS method D-127.1. Results from these analyses are presented in the attached Data Summary Tables (DSTs.) The DSTs provide a cross-reference between the sample no. in the lab report and the Sample ID (which includes the location and interval.) Pages from the lab reports for sample results are also attached.

IV. DATA QUALITY

In accordance with the SAP, data was not scheduled for formal validation because it is intended only for waste characterization purposes. However, all CLP data is automatically validated to EPA Region 1's *Tier 1, Stage 2B Electronic* level of validation. Therefore, the validated results are presented in the attached DST for the VOC analyses.

Field QC included collection of a field duplicate for the 5 to 7 interval at boring location B-20, and the data for this field duplicate is presented in the DST.

For the VOCs, validation result in the data for several target compounds considered unusable. However, none of these compounds (1,1-dichloroethane, bromochloromethane, 1,4-dioxane, dibromochloromethane, and 1,2-dibromo-3-chloropropane) are typically associated with petroleum releases, so there in no impact on using the data to evaluate potential petroleum contamination.

For the ETPH analysis, summary QC was evaluated, and no deficiencies indicating data quality issues were identified.

V. DATA INTERPRETATION

For evaluation purposes (and to identify potential impacts on disposal of spoils) data were compared to the Connecticut GA, GAA Pollutant Mobility Criteria (PMC). Although these values may not be appropriate for determining disposal criteria, it serves as a conservative baseline for evaluating the data.

VOCs

There were no detections of target compounds benzene, ethylbenzene, toluene, or xylenes, compounds collectively called BTEX and associated with a gasoline release. Therefore, it is reasonable to assume there are no impacts from any releases of gasoline to the soils in the areas near the borings.

Acetone was detected in two samples, but at three orders of magnitude below its respective PMC.

The 1 to 3 foot bgs sample from boring B20 had chlorinated compounds chloroform and trichloroethene (TCE) detections. Both were below their PMC concentrations.

No other VOC analytes were detected.

ETPH

The 1-3 foot interval from B21 had an ETPH concentration (1,200 mg/kg) above the PMC of 500 mg/kg. ETPH may be an indicator of the presence of lower volatility petroleum fractions (such as diesel fuel and no. 2 heating oil.) Positive ETPH results can also result from other materials, such as asphalt. The boring log associated with this sample (B21A) indicates the location had five inches of asphalt at ground surface. Fall-in from this asphalt layer has the potential to create a 'false positive', i.e. not related to a petroleum release, in the sample. Samples from deeper intervals (5 to 7 feet and 10 to 12 feet bgs) were below the PMC, indicating no vertical distribution of ETPH above the PMC at this location. The boring log did not indicate the presence of staining or odor in the borings at this location, whose presence might indicate the soil is contaminated from a petroleum release.

<u>Attachments</u>

Data Summary Tables
VOC lab report pages
ETPH lab report pages

SITE: Durham Meadows Area A
CASE NO.: 43591
SDG NO.: A3Q89

DATA SUMMARY TABLE
Volatile Organics Analysis, (SOM01.2)
Soil (ug/Kg)

Traffic Report Sample No.		A3Q89	A3Q90	A3QA1	A3Q91
AECOM Sample ID		SB-B20-1-3	SB-B20-5-7	FB-SB-B20-5-7	SB-B20-10-12
Lab Sample ID		M1551-01B	M1551-02B	M1551-08B	M1551-03B
Date Sampled		08/27/13	08/27/13	08/27/13	08/27/13
Date Received		08/28/13	08/28/13	08/28/13	08/28/13
Date Analyzed		09/06/13	09/06/13	09/06/13	09/06/13
% Solids		92	88	87	84
Dilution Factor		1	1	1	1
Mass/Volume of Sample		5.4 g	3.9 g	7.7 g	7.7 g
Comments			FD of A3QA1	FD of A3Q90	
Analyte	CRQL				
Dichlorodifluoromethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Chloromethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Vinyl chloride	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Bromomethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Chloroethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Trichlorofluoromethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,1-Dichloroethene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Acetone	10	11	15 U	16	7.8 U
Carbon disulfide	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Methyl acetate	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Methylene chloride	5.0	5.0 U	7.3 U	3.7 U	3.9 U
trans-1,2-Dichloroethene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Methyl tert-butyl ether	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,1-Dichloroethane	5.0	5.0 R	7.3 U	3.7 U	3.9 U
cis-1,2-Dichloroethene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
2-Butanone	10	10 U	15 U	6.8 J	7.8 U
Bromochloromethane	5.0	5.0 R	7.3 U	3.7 U	3.9 U
Chloroform	5.0	45 J	7.3 U	3.7 U	3.9 U
1,1,1-Trichloroethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Cyclohexane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Carbon tetrachloride	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Benzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,2-Dichloroethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,4-Dioxane	100	100 R	150 R	75 R	78 R
Trichloroethene	5.0	25	7.3 U	3.7 U	3.9 U
Methylcyclohexane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,2-Dichloropropane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Bromodichloromethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
cis-1,3-Dichloropropene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
4-Methyl-2-pentanone	10	10 U	15 U	7.5 U	7.8 U
Toluene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
trans-1,3-Dichloropropene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,1,2-Trichloroethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Tetrachloroethene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
2-Hexanone	10	10 U	15 U	7.5 U	7.8 U
Dibromochloromethane	5.0	5.0 R	7.3 U	3.7 U	3.9 U
1,2-Dibromoethane	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Chlorobenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Ethylbenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
o-Xylene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
m,p-Xylene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Styrene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
Bromoform	5.0	5.0 R	7.3 U	3.7 U	3.9 U
Isopropylbenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,1,2,2-Tetrachloroethane	5.0	5.0 R	7.3 U	3.7 U	3.9 U
1,3-Dichlorobenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,4-Dichlorobenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,2-Dichlorobenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,2-Dibromo-3-chloropropane	5.0	5.0 R	7.3 U	3.7 U	3.9 U
1,2,4-Trichlorobenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U
1,2,3-Trichlorobenzene	5.0	5.0 U	7.3 U	3.7 U	3.9 U

SITE: Durham Meadows Area A
CASE NO.: 43591
SDG NO.: A3Q89

DATA SUMMARY TABLE
Volatile Organics Analysis, (SOM01.2)
Soil (ug/Kg)

Traffic Report Sample No.		A3Q92	A3Q93	A3Q94	A3Q95
AECOM Sample ID		SB-B20-15-17	SB-B21-1-3	SB-B21-5-7	SB-B21-10-12
Lab Sample ID		M1551-04B	M1551-05B	M1551-06B	M1551-07B
Date Sampled		08/27/13	08/27/13	08/27/13	08/27/13
Date Received		08/28/13	08/28/13	08/28/13	08/28/13
Date Analyzed		09/06/13	09/06/13	09/06/13	09/06/13
% Solids		83	93	87	92
Dilution Factor		1	1	1	1
Mass/Volume of Sample		8.6 g	6.2 g	8 g	7.1 g
Comments					
Analyte	CRQL				
Dichlorodifluoromethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Chloromethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Vinyl chloride	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Bromomethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Chloroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Trichlorofluoromethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,1-Dichloroethene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Acetone	10	7.0 U	8.6 U	7.2 U	7.6 U
Carbon disulfide	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Methyl acetate	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Methylene chloride	5.0	3.5 U	4.3 U	3.6 U	3.8 U
trans-1,2-Dichloroethene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Methyl tert-butyl ether	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,1-Dichloroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
cis-1,2-Dichloroethene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
2-Butanone	10	7.0 U	8.6 U	7.2 U	7.6 U
Bromochloromethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Chloroform	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,1,1-Trichloroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Cyclohexane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Carbon tetrachloride	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Benzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2-Dichloroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,4-Dioxane	100	70 R	86 R	72 R	76 R
Trichloroethene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Methylcyclohexane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2-Dichloropropane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Bromodichloromethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
cis-1,3-Dichloropropene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
4-Methyl-2-pentanone	10	7.0 U	8.6 U	7.2 U	7.6 U
Toluene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
trans-1,3-Dichloropropene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,1,2-Trichloroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Tetrachloroethene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
2-Hexanone	10	7.0 U	8.6 U	7.2 U	7.6 U
Dibromochloromethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2-Dibromoethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Chlorobenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Ethylbenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
o-Xylene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
m,p-Xylene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Styrene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Bromoform	5.0	3.5 U	4.3 U	3.6 U	3.8 U
Isopropylbenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,1,2,2-Tetrachloroethane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,3-Dichlorobenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,4-Dichlorobenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2-Dichlorobenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2-Dibromo-3-chloropropane	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2,4-Trichlorobenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U
1,2,3-Trichlorobenzene	5.0	3.5 U	4.3 U	3.6 U	3.8 U

SITE: Durham Meadows Area A
CASE NO.: 0336M
SDG NO.: D10650

DATA SUMMARY TABLE
ETPH Analysis (D-127.1)
Soil (mg/Kg)

Traffic Report Sample No.		D10650	D10651	D10662	D10652
AECOM Sample ID		SB-B20-1-3	SB-B20-5-7	FB-SB-B20-5-7	SB-B20-10-12
Lab Sample ID		M1545-01A	M1545-02A	M1545-08A	M1545-03A
Date Sampled		08/27/13	08/27/13	08/27/13	08/27/13
Date Received		08/28/13	08/28/13	08/28/13	08/28/13
Date Extracted		09/10/13	09/10/13	09/10/13	09/10/13
Date Analyzed		09/24/13	09/24/13	09/25/13	09/24/13
% Solids		92	89	87	80
Dilution Factor		5	5	1	1
Mass/Volume of Sample		10.1 g	10.6 g	10.4 g	10.1 g
Comments			FD of D10662	FD of D10651	
Analyte	RL				
Extractable Total Petroleum Hydrocarbon	40	330	190	200	8.9 J

SITE: Durham Meadows Area A
CASE NO.: 0336M
SDG NO.: D10650

DATA SUMMARY TABLE
ETPH Analysis (D-127.1)
Soil (mg/Kg)

Traffic Report Sample No.		D10653	D10654	D10655	D10656
AECOM Sample ID		SB-B20-15-17	SB-B21-1-3	SB-B21-5-7	SB-B21-10-12
Lab Sample ID		M1545-04A	M1545-05A	M1545-06A	M1545-07A
Date Sampled		08/27/13	08/27/13	08/27/13	08/27/13
Date Received		08/28/13	08/28/13	08/28/13	08/28/13
Date Extracted		09/10/13	09/10/13	09/10/13	09/10/13
Date Analyzed		09/24/13	09/24/13	09/25/13	09/24/13
% Solids		83	93	88	92
Dilution Factor		1	20	1	1
Mass/Volume of Sample		10.4 g	10 g	10.1 g	10.1 g
Comments					
Analyte	RL				
Extractable Total Petroleum Hydrocarbon	40	6 J	1200	30	61

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q89

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-01B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V5O6067.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 7.7 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	11	
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	45	
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SOM01.2 (6/2007)

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q89

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-01B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V5O6067.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 7.7 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	25	
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q89

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-01B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V5O6067.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 7.7 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q90

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-02B

Sample wt/vol: 3.90 (g/mL) G Lab File ID: V5O6068.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 12 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	7.3	U
74-87-3	Chloromethane	7.3	U
75-01-4	Vinyl chloride	7.3	U
74-83-9	Bromomethane	7.3	U
75-00-3	Chloroethane	7.3	U
75-69-4	Trichlorofluoromethane	7.3	U
75-35-4	1,1-Dichloroethene	7.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U
67-64-1	Acetone	15	U
75-15-0	Carbon disulfide	7.3	U
79-20-9	Methyl acetate	7.3	U
75-09-2	Methylene chloride	7.3	U
156-60-5	trans-1,2-Dichloroethene	7.3	U
1634-04-4	Methyl tert-butyl ether	7.3	U
75-34-3	1,1-Dichloroethane	7.3	U
156-59-2	cis-1,2-Dichloroethene	7.3	U
78-93-3	2-Butanone	15	U
74-97-5	Bromochloromethane	7.3	U
67-66-3	Chloroform	7.3	U
71-55-6	1,1,1-Trichloroethane	7.3	U
110-82-7	Cyclohexane	7.3	U
56-23-5	Carbon tetrachloride	7.3	U
71-43-2	Benzene	7.3	U
107-06-2	1,2-Dichloroethane	7.3	U
123-91-1	1,4-Dioxane	150	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q90

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-02B

Sample wt/vol: 3.90 (g/mL) G Lab File ID: V5O6068.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 12 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	7.3	U
108-87-2	Methylcyclohexane	7.3	U
78-87-5	1,2-Dichloropropane	7.3	U
75-27-4	Bromodichloromethane	7.3	U
10061-01-5	cis-1,3-Dichloropropene	7.3	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	7.3	U
10061-02-6	trans-1,3-Dichloropropene	7.3	U
79-00-5	1,1,2-Trichloroethane	7.3	U
127-18-4	Tetrachloroethene	7.3	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	7.3	U
106-93-4	1,2-Dibromoethane	7.3	U
108-90-7	Chlorobenzene	7.3	U
100-41-4	Ethylbenzene	7.3	U
179601-23-1	m,p-Xylene	7.3	U
95-47-6	o-Xylene	7.3	U
100-42-5	Styrene	7.3	U
75-25-2	Bromoform	7.3	U
98-82-8	Isopropylbenzene	7.3	U
79-34-5	1,1,2,2-Tetrachloroethane	7.3	U
541-73-1	1,3-Dichlorobenzene	7.3	U
106-46-7	1,4-Dichlorobenzene	7.3	U
95-50-1	1,2-Dichlorobenzene	7.3	U
96-12-8	1,2-Dibromo-3-chloropropane	7.3	U
120-82-1	1,2,4-Trichlorobenzene	7.3	U
87-61-6	1,2,3-Trichlorobenzene	7.3	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q90

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-02B

Sample wt/vol: 3.90 (g/mL) G Lab File ID: V5O6068.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 12 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q91

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-03B

Sample wt/vol: 7.70 (g/mL) G Lab File ID: V5O6069.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 16 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	3.9	U
74-87-3	Chloromethane	3.9	U
75-01-4	Vinyl chloride	3.9	U
74-83-9	Bromomethane	3.9	U
75-00-3	Chloroethane	3.9	U
75-69-4	Trichlorofluoromethane	3.9	U
75-35-4	1,1-Dichloroethene	3.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U
67-64-1	Acetone	7.8	U
75-15-0	Carbon disulfide	3.9	U
79-20-9	Methyl acetate	3.9	U
75-09-2	Methylene chloride	3.9	U
156-60-5	trans-1,2-Dichloroethene	3.9	U
1634-04-4	Methyl tert-butyl ether	3.9	U
75-34-3	1,1-Dichloroethane	3.9	U
156-59-2	cis-1,2-Dichloroethene	3.9	U
78-93-3	2-Butanone	7.8	U
74-97-5	Bromochloromethane	3.9	U
67-66-3	Chloroform	3.9	U
71-55-6	1,1,1-Trichloroethane	3.9	U
110-82-7	Cyclohexane	3.9	U
56-23-5	Carbon tetrachloride	3.9	U
71-43-2	Benzene	3.9	U
107-06-2	1,2-Dichloroethane	3.9	U
123-91-1	1,4-Dioxane	78	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (6/2007)

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q91

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-03B

Sample wt/vol: 7.70 (g/mL) G Lab File ID: V5O6069.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 16 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	3.9	U
108-87-2	Methylcyclohexane	3.9	U
78-87-5	1,2-Dichloropropane	3.9	U
75-27-4	Bromodichloromethane	3.9	U
10061-01-5	cis-1,3-Dichloropropene	3.9	U
108-10-1	4-Methyl-2-pentanone	7.8	U
108-88-3	Toluene	3.9	U
10061-02-6	trans-1,3-Dichloropropene	3.9	U
79-00-5	1,1,2-Trichloroethane	3.9	U
127-18-4	Tetrachloroethene	3.9	U
591-78-6	2-Hexanone	7.8	U
124-48-1	Dibromochloromethane	3.9	U
106-93-4	1,2-Dibromoethane	3.9	U
108-90-7	Chlorobenzene	3.9	U
100-41-4	Ethylbenzene	3.9	U
179601-23-1	m,p-Xylene	3.9	U
95-47-6	o-Xylene	3.9	U
100-42-5	Styrene	3.9	U
75-25-2	Bromoform	3.9	U
98-82-8	Isopropylbenzene	3.9	U
79-34-5	1,1,2,2-Tetrachloroethane	3.9	U
541-73-1	1,3-Dichlorobenzene	3.9	U
106-46-7	1,4-Dichlorobenzene	3.9	U
95-50-1	1,2-Dichlorobenzene	3.9	U
96-12-8	1,2-Dibromo-3-chloropropane	3.9	U
120-82-1	1,2,4-Trichlorobenzene	3.9	U
87-61-6	1,2,3-Trichlorobenzene	3.9	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q91

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-03B

Sample wt/vol: 7.70 (g/mL) G Lab File ID: V5O6069.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 16 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.024	7.2	J
	E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q92

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-04B

Sample wt/vol: 8.60 (g/mL) G Lab File ID: V5O6070.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 17 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	3.5	U
74-87-3	Chloromethane	3.5	U
75-01-4	Vinyl chloride	3.5	U
74-83-9	Bromomethane	3.5	U
75-00-3	Chloroethane	3.5	U
75-69-4	Trichlorofluoromethane	3.5	U
75-35-4	1,1-Dichloroethene	3.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.5	U
67-64-1	Acetone	7.0	U
75-15-0	Carbon disulfide	3.5	U
79-20-9	Methyl acetate	3.5	U
75-09-2	Methylene chloride	3.5	U
156-60-5	trans-1,2-Dichloroethene	3.5	U
1634-04-4	Methyl tert-butyl ether	3.5	U
75-34-3	1,1-Dichloroethane	3.5	U
156-59-2	cis-1,2-Dichloroethene	3.5	U
78-93-3	2-Butanone	7.0	U
74-97-5	Bromochloromethane	3.5	U
67-66-3	Chloroform	3.5	U
71-55-6	1,1,1-Trichloroethane	3.5	U
110-82-7	Cyclohexane	3.5	U
56-23-5	Carbon tetrachloride	3.5	U
71-43-2	Benzene	3.5	U
107-06-2	1,2-Dichloroethane	3.5	U
123-91-1	1,4-Dioxane	70	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SOM01.2 (6/2007)

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q92

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-04B

Sample wt/vol: 8.60 (g/mL) G Lab File ID: V5O6070.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 17 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	3.5	U
108-87-2	Methylcyclohexane	3.5	U
78-87-5	1,2-Dichloropropane	3.5	U
75-27-4	Bromodichloromethane	3.5	U
10061-01-5	cis-1,3-Dichloropropene	3.5	U
108-10-1	4-Methyl-2-pentanone	7.0	U
108-88-3	Toluene	3.5	U
10061-02-6	trans-1,3-Dichloropropene	3.5	U
79-00-5	1,1,2-Trichloroethane	3.5	U
127-18-4	Tetrachloroethene	3.5	U
591-78-6	2-Hexanone	7.0	U
124-48-1	Dibromochloromethane	3.5	U
106-93-4	1,2-Dibromoethane	3.5	U
108-90-7	Chlorobenzene	3.5	U
100-41-4	Ethylbenzene	3.5	U
179601-23-1	m,p-Xylene	3.5	U
95-47-6	o-Xylene	3.5	U
100-42-5	Styrene	3.5	U
75-25-2	Bromoform	3.5	U
98-82-8	Isopropylbenzene	3.5	U
79-34-5	1,1,2,2-Tetrachloroethane	3.5	U
541-73-1	1,3-Dichlorobenzene	3.5	U
106-46-7	1,4-Dichlorobenzene	3.5	U
95-50-1	1,2-Dichlorobenzene	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	3.5	U
120-82-1	1,2,4-Trichlorobenzene	3.5	U
87-61-6	1,2,3-Trichlorobenzene	3.5	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q92

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-04B

Sample wt/vol: 8.60 (g/mL) G Lab File ID: V5O6070.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 17 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.034	7.2	J
	E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q93

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-05B

Sample wt/vol: 6.20 (g/mL) G Lab File ID: V5O6071.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 6.7 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	4.3	U
74-87-3	Chloromethane	4.3	U
75-01-4	Vinyl chloride	4.3	U
74-83-9	Bromomethane	4.3	U
75-00-3	Chloroethane	4.3	U
75-69-4	Trichlorofluoromethane	4.3	U
75-35-4	1,1-Dichloroethene	4.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U
67-64-1	Acetone	8.6	U
75-15-0	Carbon disulfide	4.3	U
79-20-9	Methyl acetate	4.3	U
75-09-2	Methylene chloride	4.3	U
156-60-5	trans-1,2-Dichloroethene	4.3	U
1634-04-4	Methyl tert-butyl ether	4.3	U
75-34-3	1,1-Dichloroethane	4.3	U
156-59-2	cis-1,2-Dichloroethene	4.3	U
78-93-3	2-Butanone	8.6	U
74-97-5	Bromochloromethane	4.3	U
67-66-3	Chloroform	4.3	U
71-55-6	1,1,1-Trichloroethane	4.3	U
110-82-7	Cyclohexane	4.3	U
56-23-5	Carbon tetrachloride	4.3	U
71-43-2	Benzene	4.3	U
107-06-2	1,2-Dichloroethane	4.3	U
123-91-1	1,4-Dioxane	86	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q93

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-05B

Sample wt/vol: 6.20 (g/mL) G Lab File ID: V5O6071.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 6.7 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	4.3	U
108-87-2	Methylcyclohexane	4.3	U
78-87-5	1,2-Dichloropropane	4.3	U
75-27-4	Bromodichloromethane	4.3	U
10061-01-5	cis-1,3-Dichloropropene	4.3	U
108-10-1	4-Methyl-2-pentanone	8.6	U
108-88-3	Toluene	4.3	U
10061-02-6	trans-1,3-Dichloropropene	4.3	U
79-00-5	1,1,2-Trichloroethane	4.3	U
127-18-4	Tetrachloroethene	4.3	U
591-78-6	2-Hexanone	8.6	U
124-48-1	Dibromochloromethane	4.3	U
106-93-4	1,2-Dibromoethane	4.3	U
108-90-7	Chlorobenzene	4.3	U
100-41-4	Ethylbenzene	4.3	U
179601-23-1	m,p-Xylene	4.3	U
95-47-6	o-Xylene	4.3	U
100-42-5	Styrene	4.3	U
75-25-2	Bromoform	4.3	U
98-82-8	Isopropylbenzene	4.3	U
79-34-5	1,1,2,2-Tetrachloroethane	4.3	U
541-73-1	1,3-Dichlorobenzene	4.3	U
106-46-7	1,4-Dichlorobenzene	4.3	U
95-50-1	1,2-Dichlorobenzene	4.3	U
96-12-8	1,2-Dibromo-3-chloropropane	4.3	U
120-82-1	1,2,4-Trichlorobenzene	4.3	U
87-61-6	1,2,3-Trichlorobenzene	4.3	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q93

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-05B

Sample wt/vol: 6.20 (g/mL) G Lab File ID: V5O6071.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 6.7 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.025	16	J
	E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q94

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-06B

Sample wt/vol: 8.00 (g/mL) G Lab File ID: V5O6072.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 13 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	3.6	U
74-87-3	Chloromethane	3.6	U
75-01-4	Vinyl chloride	3.6	U
74-83-9	Bromomethane	3.6	U
75-00-3	Chloroethane	3.6	U
75-69-4	Trichlorofluoromethane	3.6	U
75-35-4	1,1-Dichloroethene	3.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.6	U
67-64-1	Acetone	7.2	U
75-15-0	Carbon disulfide	3.6	U
79-20-9	Methyl acetate	3.6	U
75-09-2	Methylene chloride	3.6	U
156-60-5	trans-1,2-Dichloroethene	3.6	U
1634-04-4	Methyl tert-butyl ether	3.6	U
75-34-3	1,1-Dichloroethane	3.6	U
156-59-2	cis-1,2-Dichloroethene	3.6	U
78-93-3	2-Butanone	7.2	U
74-97-5	Bromochloromethane	3.6	U
67-66-3	Chloroform	3.6	U
71-55-6	1,1,1-Trichloroethane	3.6	U
110-82-7	Cyclohexane	3.6	U
56-23-5	Carbon tetrachloride	3.6	U
71-43-2	Benzene	3.6	U
107-06-2	1,2-Dichloroethane	3.6	U
123-91-1	1,4-Dioxane	72	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q94

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-06B

Sample wt/vol: 8.00 (g/mL) G Lab File ID: V5O6072.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 13 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	3.6	U
108-87-2	Methylcyclohexane	3.6	U
78-87-5	1,2-Dichloropropane	3.6	U
75-27-4	Bromodichloromethane	3.6	U
10061-01-5	cis-1,3-Dichloropropene	3.6	U
108-10-1	4-Methyl-2-pentanone	7.2	U
108-88-3	Toluene	3.6	U
10061-02-6	trans-1,3-Dichloropropene	3.6	U
79-00-5	1,1,2-Trichloroethane	3.6	U
127-18-4	Tetrachloroethene	3.6	U
591-78-6	2-Hexanone	7.2	U
124-48-1	Dibromochloromethane	3.6	U
106-93-4	1,2-Dibromoethane	3.6	U
108-90-7	Chlorobenzene	3.6	U
100-41-4	Ethylbenzene	3.6	U
179601-23-1	m,p-Xylene	3.6	U
95-47-6	o-Xylene	3.6	U
100-42-5	Styrene	3.6	U
75-25-2	Bromoform	3.6	U
98-82-8	Isopropylbenzene	3.6	U
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U
541-73-1	1,3-Dichlorobenzene	3.6	U
106-46-7	1,4-Dichlorobenzene	3.6	U
95-50-1	1,2-Dichlorobenzene	3.6	U
96-12-8	1,2-Dibromo-3-chloropropane	3.6	U
120-82-1	1,2,4-Trichlorobenzene	3.6	U
87-61-6	1,2,3-Trichlorobenzene	3.6	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q94

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-06B

Sample wt/vol: 8.00 (g/mL) G Lab File ID: V5O6072.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 13 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.030	8.8	J
	E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q95

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-07B

Sample wt/vol: 7.10 (g/mL) G Lab File ID: V5O6073.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 7.8 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	3.8	U
74-87-3	Chloromethane	3.8	U
75-01-4	Vinyl chloride	3.8	U
74-83-9	Bromomethane	3.8	U
75-00-3	Chloroethane	3.8	U
75-69-4	Trichlorofluoromethane	3.8	U
75-35-4	1,1-Dichloroethene	3.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	U
67-64-1	Acetone	7.6	U
75-15-0	Carbon disulfide	3.8	U
79-20-9	Methyl acetate	3.8	U
75-09-2	Methylene chloride	3.8	U
156-60-5	trans-1,2-Dichloroethene	3.8	U
1634-04-4	Methyl tert-butyl ether	3.8	U
75-34-3	1,1-Dichloroethane	3.8	U
156-59-2	cis-1,2-Dichloroethene	3.8	U
78-93-3	2-Butanone	7.6	U
74-97-5	Bromochloromethane	3.8	U
67-66-3	Chloroform	3.8	U
71-55-6	1,1,1-Trichloroethane	3.8	U
110-82-7	Cyclohexane	3.8	U
56-23-5	Carbon tetrachloride	3.8	U
71-43-2	Benzene	3.8	U
107-06-2	1,2-Dichloroethane	3.8	U
123-91-1	1,4-Dioxane	76	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3Q95

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-07B

Sample wt/vol: 7.10 (g/mL) G Lab File ID: V5O6073.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 7.8 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	3.8	U
108-87-2	Methylcyclohexane	3.8	U
78-87-5	1,2-Dichloropropane	3.8	U
75-27-4	Bromodichloromethane	3.8	U
10061-01-5	cis-1,3-Dichloropropene	3.8	U
108-10-1	4-Methyl-2-pentanone	7.6	U
108-88-3	Toluene	3.8	U
10061-02-6	trans-1,3-Dichloropropene	3.8	U
79-00-5	1,1,2-Trichloroethane	3.8	U
127-18-4	Tetrachloroethene	3.8	U
591-78-6	2-Hexanone	7.6	U
124-48-1	Dibromochloromethane	3.8	U
106-93-4	1,2-Dibromoethane	3.8	U
108-90-7	Chlorobenzene	3.8	U
100-41-4	Ethylbenzene	3.8	U
179601-23-1	m,p-Xylene	3.8	U
95-47-6	o-Xylene	3.8	U
100-42-5	Styrene	3.8	U
75-25-2	Bromoform	3.8	U
98-82-8	Isopropylbenzene	3.8	U
79-34-5	1,1,2,2-Tetrachloroethane	3.8	U
541-73-1	1,3-Dichlorobenzene	3.8	U
106-46-7	1,4-Dichlorobenzene	3.8	U
95-50-1	1,2-Dichlorobenzene	3.8	U
96-12-8	1,2-Dibromo-3-chloropropane	3.8	U
120-82-1	1,2,4-Trichlorobenzene	3.8	U
87-61-6	1,2,3-Trichlorobenzene	3.8	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3Q95

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-07B

Sample wt/vol: 7.10 (g/mL) G Lab File ID: V5O6073.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 7.8 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.024	6.4	J
	E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3QA1

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-08B

Sample wt/vol: 7.70 (g/mL) G Lab File ID: V5O6074.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 13 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
75-71-8	Dichlorodifluoromethane	3.7	U
74-87-3	Chloromethane	3.7	U
75-01-4	Vinyl chloride	3.7	U
74-83-9	Bromomethane	3.7	U
75-00-3	Chloroethane	3.7	U
75-69-4	Trichlorofluoromethane	3.7	U
75-35-4	1,1-Dichloroethene	3.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.7	U
67-64-1	Acetone	16	
75-15-0	Carbon disulfide	3.7	U
79-20-9	Methyl acetate	3.7	U
75-09-2	Methylene chloride	3.7	U
156-60-5	trans-1,2-Dichloroethene	3.7	U
1634-04-4	Methyl tert-butyl ether	3.7	U
75-34-3	1,1-Dichloroethane	3.7	U
156-59-2	cis-1,2-Dichloroethene	3.7	U
78-93-3	2-Butanone	6.8	J
74-97-5	Bromochloromethane	3.7	U
67-66-3	Chloroform	3.7	U
71-55-6	1,1,1-Trichloroethane	3.7	U
110-82-7	Cyclohexane	3.7	U
56-23-5	Carbon tetrachloride	3.7	U
71-43-2	Benzene	3.7	U
107-06-2	1,2-Dichloroethane	3.7	U
123-91-1	1,4-Dioxane	75	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (6/2007)

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3QA1

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-08B

Sample wt/vol: 7.70 (g/mL) G Lab File ID: V5O6074.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 13 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG	Q
79-01-6	Trichloroethene	3.7	U
108-87-2	Methylcyclohexane	3.7	U
78-87-5	1,2-Dichloropropane	3.7	U
75-27-4	Bromodichloromethane	3.7	U
10061-01-5	cis-1,3-Dichloropropene	3.7	U
108-10-1	4-Methyl-2-pentanone	7.5	U
108-88-3	Toluene	3.7	U
10061-02-6	trans-1,3-Dichloropropene	3.7	U
79-00-5	1,1,2-Trichloroethane	3.7	U
127-18-4	Tetrachloroethene	3.7	U
591-78-6	2-Hexanone	7.5	U
124-48-1	Dibromochloromethane	3.7	U
106-93-4	1,2-Dibromoethane	3.7	U
108-90-7	Chlorobenzene	3.7	U
100-41-4	Ethylbenzene	3.7	U
179601-23-1	m,p-Xylene	3.7	U
95-47-6	o-Xylene	3.7	U
100-42-5	Styrene	3.7	U
75-25-2	Bromoform	3.7	U
98-82-8	Isopropylbenzene	3.7	U
79-34-5	1,1,2,2-Tetrachloroethane	3.7	U
541-73-1	1,3-Dichlorobenzene	3.7	U
106-46-7	1,4-Dichlorobenzene	3.7	U
95-50-1	1,2-Dichlorobenzene	3.7	U
96-12-8	1,2-Dibromo-3-chloropropane	3.7	U
120-82-1	1,2,4-Trichlorobenzene	3.7	U
87-61-6	1,2,3-Trichlorobenzene	3.7	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A3QA1

Lab Name: MITKEM LABORATORIES Contract: EP-W-11-033

Lab Code: MITKEM Case No.: 43591 Mod. Ref No.: SDG No.: A3Q89

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1551-08B

Sample wt/vol: 7.70 (g/mL) G Lab File ID: V5O6074.D

Level: (TRACE or LOW/MED) LOW Date Received: 08/28/2013

% Moisture: not dec. 13 Date Analyzed: 09/06/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) µG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.024	7.2	J
	E96679[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10650

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-01A

Sample wt/vol: 10.1 (g/mL) G Lab File ID: F1J1193.D/

% Moisture: 7.2 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/24/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 5.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	330	

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10651

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-02A

Sample wt/vol: 10.6 (g/mL) G Lab File ID: F1J1196.D/

% Moisture: 11 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/24/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 5.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	190	

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10652

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-03A

Sample wt/vol: 10.1 (g/mL) G Lab File ID: F1J1187.D/

% Moisture: 20 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/24/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	8.9	J

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10653

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-04A

Sample wt/vol: 10.4 (g/mL) G Lab File ID: F1J1188.D/

% Moisture: 17 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/24/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	6.0	J

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10654

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-05A

Sample wt/vol: 10.0 (g/mL) G Lab File ID: F1J1197.D/

% Moisture: 6.3 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/24/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 20.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	1200	

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10655

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-06A

Sample wt/vol: 10.1 (g/mL) G Lab File ID: F1J1213.D/

% Moisture: 11 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	30	

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10656

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-07A

Sample wt/vol: 10.1 (g/mL) G Lab File ID: F1J1189.D/

% Moisture: 7.6 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/24/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	61	

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D10662

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: M1545 Mod. Ref No.: SDG No.: SM1545

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: M1545-08A

Sample wt/vol: 10.4 (g/mL) G Lab File ID: F1J1214.D/

% Moisture: 12 Decanted: (Y/N) N Date Received: 08/28/2013

Extraction: (Type) SONC Date Extracted: 09/10/2013

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup:(Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
ETPH	Extractable Total Petroleum Hydrocarbon	200	

AECOM

GEOTECHNICAL DATA REPORT

Geotechnical Subsurface Investigation
for
The Durham Meadows Waterline Extension
Durham, Connecticut

AECOM Project No. 60275749.6.01
EPA Contract No. EP-S1-06-01
Task Order No. 0060-RD-RD-01D5

November 13, 2015

1.1 Purpose of Report

The purpose of this Geotechnical Data Report (GDR) is to provide supporting data for the design and construction of a water main extension in Durham, Connecticut. The data was collected during a subsurface investigation that involved the drilling of test borings and the submittal of soil samples for laboratory testing.

1.2 Subsurface Investigation

The subsurface investigation was performed from July 7 to 9, 2015 and consisted of the drilling of 15 test borings. The test borings ranged in depth from 12 to 27 feet and were drilled by General Borings of Prospect, Connecticut. The test boring locations are shown on the contract drawings.

1.3 Soil Drilling and Sampling

Test borings were advanced using 3¼-inch hollow stem augers. Samples were collected at 5-foot intervals beginning at either ground surface or the top of pavement road base. Soil samples collected during the drilling program were logged and preserved by an AECOM geologist. The boring logs are provided in Attachment 1.

All boreholes were backfilled with soil cuttings or clean sand. The top of the street borings were finished with a cold asphalt patch that was tamped into place.

1.4 Laboratory Testing

Twenty-one soil samples from the subsurface investigation were submitted to GeoTesting Express in Acton, MA for laboratory testing. A schedule of the laboratory testing is provided in Table 1 and the laboratory test results are provided in Attachment 2.

1.5 Report Limitations

Subsurface conditions will vary beyond a borehole's location and conditions at and beyond a borehole may change over time as a result of construction activity. Groundwater levels will fluctuate with precipitation, season, construction activities, run-off controls, and other factors. As a result, water levels during construction may vary from those observed during the investigation program.

TABLE 1: Schedule of Laboratory Testing (2 pages)

Boring	Sample ID	Depth (ft.)	Recovery	Index & Physical Testing			Corrosion Testing				
				Sieve (ASTM D422)	Sieve & Hydrometer (ASTM D422)	Atterberg Limits (ASTM D4318)	Chlorides (ASTM D512)	Elect. Resist. (ASTM G57)	Ox. Reduction (EPA)	pH (ASTM D4972)	Sulfates (ASTM D516)
SB-1	SS-2	5 - 7	9"	X							
SB-2	SS-3	10 - 12	22"		X	X					
SB-2	SS-5	20 - 22	9"		X						
SB-3	SS-2	5 - 7	1.1'	X							
SB-4	SS-2	5 - 7	0.6'				X		X		X
SB-4	SS-3	10 - 12	1.2'		X						
SB-5	SS-3	10 - 12	1.8'		X	X					
SB-7	SS-2	5 - 7	1.5'					X		X	
SB-7	SS-3	10 - 12	0.9'		X						
SB-8	SS-2	5 - 7	16"	X							
SB-8	SS-5	20 - 22	14"		X						
SB-9	SS-3	10 - 12	10"		X						
SB-9	SS-4	15 - 17	14"	X							
SB-10	SS-2	5 - 7	1.3'	X							
SB-11	SS-2	5 - 7	1.3'	X							
SB-12	SS-2	5 - 7	0.9'					X		X	

TABLE 1: Schedule of Laboratory Testing (2 pages)

Boring	Sample ID	Depth (ft.)	Recovery	Index & Physical Testing			Corrosion Testing				
				Sieve (ASTM D422)	Sieve & Hydrometer (ASTM D422)	Atterberg Limits (ASTM D4318)	Chlorides (ASTM D512)	Elect. Resist. (ASTM G57)	Ox. Reduction (EPA)	pH (ASTM D4972)	Sulfates (ASTM D516)
SB-12	SS-3	10 - 12	1.6'		X	X					
SB-13	SS-2	5 - 7	0.8'				X		X		X
SB-13	SS-3	10 - 12	1.4'		X	X					
SB-14	SS-2	5 - 7	0.7'	X							
SB-15	SS-4	15 - 17	1.9'		X	X					

ATTACHMENT 1

Boring Logs

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**			SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749 - RAC2 0060 Task 11**		1 of 1	**SB-1**
Pickett Lane	LOCATION: N: 734153.03 E: 1019998.64		Elevation: 186.4 ft.	Total Depth: 20 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte/ A. Sayre		BEGUN : July 7, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson		FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Sunny 80s / Cloudy, ~75 deg.		Ground Water (Date/Depth) : Not Determined	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : Potable Water		Top of Rock (Depth/Elev.) : 14.5 feet	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~2.5") & road base sand w/ gravel		
	SS-1 (0.5-2.5)	9	2-4-5-3	9"	Brown SILTY FINE SAND, some fine gravel; dry		FILL
							3'
5							
	SS-2 (5-7)	144	30-73-71-77	9"	Brown FINE TO MED. SAND, little silt, few to little fine to crs. gravel and rock fragments, few crs. sand; dry		SILTY FINE SAND, SOME GRAVEL w/ SEVERAL COBBLES & BOULDERS
10							
	SS-3 (10-10.25)	--	100/3"	<1"	No Recovery		
	R-1 (10.5-13)	--	~1.5 min (avg.)		10.5' - 11.7': Black shale boulder 11.7' - 13' Red brown FINE SANDY SILT & SILTY CLAY; fining downward		
15					*(auger to 15 ft.; began grinding at 14.5 ft.)*		14.5'
	R-2 (15-17)	--	2 min.	100% Rec.	Red brown SILTSTONE; RQD = 80%		RED BROWN SILTSTONE
			2 min.				
			2.5 min.				
			3.5 min.				- Bottom of Boring @ 20 ft. -

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

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GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 2	**SB-2**
	LOCATION: N: 734104.36 E: 1020136.07	Elevation: 179.5 ft.	Total Depth: 25.33 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : A. Sayre	BEGUN : July 7, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 7, 2015	
Hole Size : Approx. 8-inches	Weather : Sunny 80s	Ground Water (Date/Depth) : Estimated @ 8 ft. (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-1 (0-2)	14	6-8-6-10	19"	Dark brown SANDY SILT		POSSIBLE FILL
5	SS-2 (5-7)	13	8-8-5-3	2"	Brown GRAVELLY SILT (poor recovery)		7'
10	SS-3 (10-12)	8	3-4-4-5	22"	Light brown SILTY CLAY; moist	(CL)	SILT & CLAY
15	SS-4 (15-17)	92	21-32-60-45	14"	Brown CLAYEY SILT, some broken rock; mod. plastic, wet		15.5' SILTY SAND W/ GRAVEL

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance

Cohesionless Density:	Cohesive Consistency:
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard

Approve/Date

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749 - RAC2 0060 Task 11**	2 of 2	**SB-2**
Pickett Lane	LOCATION: N: 734104.36 E: 1020136.07	Elevation:	Total Depth: 25.33 ft.

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-5 (20-22)	32	12-15-17- 100/3"	9"	Brown FINE TO MED. SAND, some silt, little to some fine to crs. gravel, trace clay; wet		SILTY SAND W/ GRAVEL
25	SS-6 (25-)	--	100/4"	3"	Broken Rock & Crs. Gravel		Bottom of Boring @ 25.33 ft.
30							
35							
40							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-3**
	LOCATION: N: 734010.07 E: 1020710.29	Elevation: 187.8 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : 9.5 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~2.5") & road base sand w/ gravel		FILL
	SS-1 (0.5-2.5)	43	37-24-19-22	1.2'	0 - 0.8': Red brown FINE TO MED. SAND, trace fine gravel; crushed gravel @ top; dry 0.8 - 1.2': Red brown SILT & FINE SAND, trace fine gravel; dry		2'
5	SS-2 (5-7)	98	34-45-53-62	1.1'	Light brown to red brown FINE SAND, little to some med. to crs. sand, little silt, little fine gravel/rock fragments; dry		SILTY FINE TO CRS. SAND
10	SS-3 (10-12)	40	27-19-21-18	1.5'	Red brown FINE TO CRS. SAND, trace fine gravel; contains an approx. 2" to 3" dark brown to black layer near mid-sample, no odor; wet		Bottom of Boring @ 12 ft.
15							

Sample Types:			
SS	Split Spoon	trace	0 to 5%
ST	Shelby Tube	few	5 to 10%
R	Rock Core	little	15 to 25%
	Lab Sample	some	30 to 45%
		mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-4**
	LOCATION: N: 734082.36 E: 1021108.24	Elevation: 193.4 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : 6 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~2.5") & road base sand and gravel		Pavement/Road Base
	SS-1 (0.5-2.5)	51	19-30-21-29	1.4'	Red brown FINE SAND, few to trace crs. sand, trace fine gravel; dry		0.5'
					(drill cuttings similar to above)		FINE TO CRS. SAND
5							
	SS-2 (5-7)	167	34-85-82-120	0.6'	Red brown FINE TO CRS. SAND, few fine gravel; granite rock fragments lodged in spoon tip; dry		6.5'
					(augering advancement from 7 to 10 ft. is slow)		GLACIAL TILL
10							
	SS-3 (10-12)	48	27-23-25-24	1.2'	Red brown FINE TO CRS. SAND, some fine to crs. gravel, little fines; Till, well graded, wet		
							Bottom of Boring @ 12 ft.
15							

Sample Types:
SS Split Spoon
ST Shelby Tube
R Rock Core
Lab Sample

trace	0 to 5%
few	5 to 10%
little	15 to 25%
some	30 to 45%
mostly	>50%

SPT Resistance

Cohesionless Density:	Cohesive Consistency:
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard

Approve/Date

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-5**
	LOCATION: N: 734186.70 E: 1021517.51	Elevation: 200.8 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : 8.5 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~2.5") & road base sand and gravel		FILL
	SS-1 (0.5-2.5)	27	17-17-10-10	1.5'	0 - 0.8': Red brown FINE SAND, trace fine to crs. gravel; dry 0.8 - 1.5': Red brown SILT, trace clay		2'
5	SS-2 (5-7)	9	1-4-5-3	0.8'	0 - 0.4': Brown SILT, trace fine sand, occ. crs. gravel; moist 0.4 - 0.6' Gray SILT 0.6 - 0.8': Yellow brown FINE SAND		INTERBEDDED SILT, FINE SAND & CLAY
10	SS-3 (10-12)	25	5-10-15-20	1.8'	Red brown SILT & CLAY, trace fine sand	(CL)	
15							Bottom of Boring @ 12 ft.

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-7**
	LOCATION: N: 734485.38 E: 1021556.08	Elevation: 199.2 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : ~7.5 feet (poss. perched water @ 6.5 ft.)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~2.5") & road base sand and gravel		FILL
	SS-1 (0.5-2.5)	19	17-10-9-14	1.1'	0 - 0.4': Red brown MED. TO FINE SAND, trace fine gravel; dry 0.4' - 1.1': Red brown FINE SAND, some fine gravel, trace silt		2'
5	SS-2 (5-7)	51	29-26-15-15	1.5'	0 - 1.0': Red brown FINE TO MED. SAND, trace crs. sand and gravel; gravel is phyllitic and subangular to subrounded; wet 1.0 - 1.5': Red brown CLAYEY SILT		FINE TO CRS. SAND w/ GRAVEL (Possible Fill) 6'
10	SS-3 (10-12)	5	3-2-3-10	0.9'	Red brown SILT, some fine to med. sand, little to few clay; stratified		STRATIFIED SILT AND FINE SAND
15							Bottom of Boring @ 12 ft.

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 2	**SB-8**
	LOCATION: N: 734794.61 E: 1021501.09	Elevation: 198.8 ft.	Total Depth: 27 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : A. Sayre	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : Estimated @ 6.5 ft. (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (3")		
	SS-1 (1-3)	8	10-4-4-5	7"	Brown SILTY FINE TO CRS. SAND, some fine to crs. gravel; dry		POSSIBLE FILL
							3'
5							
	SS-2 (5-7)	35	16-20-15-10	16"	Brown FINE TO CRS. SAND, little fine to crs. gravel, few fines; well graded, dry		FINE TO CRS. SAND & GRAVEL
10							
	SS-3 (10-12)	24	10-11-13-13	16"	Brown FINE TO CRS. SAND, some fine to crs. gravel; well graded, wet		
15							
	SS-4 (15-17)	23	8-8-15-32	24"	Brown FINE TO CRS. SAND, little fine to crs. gravel; well graded, wet		
							18'
							FINE SANDY SILT

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749 - RAC2 0060 Task 11**	2 of 2	**SB-8**
Pickett Lane	LOCATION: N: 734794.61 E: 1021501.09	Elevation:	Total Depth: 27 ft.

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-5 (20-22)	23	2-6-17-15	14"	Brown SILT, little to some fine sand, few to little med. to crs. sand, few fine gravel (in spoon tip), trace clay; wet		FINE SANDY SILT
							22' ----------
							SILTY SAND & GRAVEL
25							
	SS-6 (25-27)	31	15-11-20-19	10"	Brown SILTY SAND & GRAVEL/ROCK FRAGMENTS; wet		
							Bottom of Boring @ 27 ft.
30							
35							
40							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance

Cohesionless Density:	Cohesive Consistency:
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard

Approve/Date

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 2	**SB-9**
	LOCATION: N: 734876.10 E: 1021511.25	Elevation: 199.4	Total Depth: 27 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : A. Sayre	BEGUN : July 7, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 7, 2015	
Hole Size : Approx. 8-inches	Weather : Sunny, 80s	Ground Water (Date/Depth) : Estimated @ 6.5 ft. (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-1 (0-2)	35	10-15-20-18	10"	Dark brownish red SILTY SAND, trace fine gravel; dry		SILTY SAND w/ GRAVEL
5	SS-2 (5-7)	47	13-20-27-93	6"	Dark brown SAND, some silt, some fine to crs. gravel; dry		8'
10	SS-3 (10-12)	14	9-7-7-4	10"	Reddish brown FINE SAND, some silt, trace med. to crs. sand, trace clay; wet		FINE SAND, SOME SILT
15	SS-4 (15-17)	14	5-7-7-12	14"	Brownish red FINE TO CRS. SAND, little fine crs. gravel, few silt; well graded, wet		14' SILTY SAND W/ GRAVEL

Sample Types:
- SS Split Spoon
- ST Shelby Tube
- R Rock Core
- Lab Sample

trace	0 to 5%
few	5 to 10%
little	15 to 25%
some	30 to 45%
mostly	>50%

SPT Resistance

Cohesionless Density:	Cohesive Consistency:
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard

Approve/Date

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**			SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749 - RAC2 0060 Task 11**		2 of 2	**SB-9**
Pickett Lane	LOCATION: N: 734876.10 E: 1021511.25		Elevation:	Total Depth: 27 ft.

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-5 (20-22)	19	9-9-10-20	10"	Brownish red SILTY FINE SAND, some crs. gravel; wet		SILTY SAND W/ GRAVEL
25	SS-6 (25-27)	82	7-22-60-100/2"	18"	Brown SILTY FINE TO MED. SAND, little fine to crs. gravel; wet		Bottom of Boring @ 27 FT.
30							
35							
40							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
▒	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-10**
	LOCATION: N: 735129.60 E: 1021472.91	Elevation: 199.8 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : 6 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement, red brown road base (fine to med. sand)		FILL
	SS-1 (0.5-2.5)	32	13-16-16-19	1.0'	Red brown FINE SAND, trace to few silt, dry		2'
5	SS-2 (5-7)	41	19-24-17-19	1.3'	0 - 0.3': Red brown FINE TO MED. SAND, trace fine to crs. gravel, trace silt; dry 0.3 - 0.5': Slaty Rock Fragments 0.5 - 1.3': Red brown FINE TO MED. SAND, little silt; weakly stratified, wet		STRATIFIED FINE TO MED. SAND w/ SILT
10	SS-3 (10-12)	19	6-9-10-10	1.0'	Red brown FINE SAND & SILT; wet		Bottom of Boring @ 12 ft.
15							

Sample Types:			
SS	Split Spoon	trace	0 to 5%
ST	Shelby Tube	few	5 to 10%
R	Rock Core	little	15 to 25%
	Lab Sample	some	30 to 45%
		mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Pickett Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-11**
	LOCATION: N: 735412.38 E: 1021415.19	Elevation: 200.6 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 8, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 8, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, ~75 deg.	Ground Water (Date/Depth) : 6 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~1")		
	SS-1 (0.5-2.5)	20	6-7-13-12	0.4'	Red brown FILL (silty fine sand, few gravel); dry		FILL
							3'
5							
	SS-2 (5-7)	28	12-13-15-16	1.3'	Red brown FINE SAND, little med. to crs. sand, little fine to crs. gravel, little silt; silt lense @ 5.6', wet		STRATIFIED FINE SAND
10							
	SS-3 (10-12)	10	4-4-6-9	1.4'	0 - 0.8': Red brown stratified FINE SAND & FINES; loose, wet 0.8 - 1.4': Red brown stratified FINE SAND, trace silt; loose, wet		
							Bottom of Boring @ 12 ft.
15							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Maiden Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-12**
	LOCATION: N: 735485.57 E: 1021092.05	Elevation: 195.46	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 9, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 9, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, some drizzle, occ. sun, 70s	Ground Water (Date/Depth) : 5.5 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~6") & road base sand w/ gravel		
	SS-1 (1-3)	41	10-15-21-26	1.2'	0 - 0.5': Brown fine sand, trace silt, trace fine gravel (FILL) 0.5 - 1.2': Red brown fine to med. sand, trace crs. sand, trace fine gravel; FILL, poorly graded, dry		FILL
5	SS-2 (5-7)	26	10-14-12-16	0.9'	0 - 0.5': Dark brown fine sand and silt, trace crs. sand; FILL, dry 0.5 - 0.9': Red brown FINE SAND; fines downward to a stratified FINE SAND & SILT; wet		6' ---------- STRATIFIED FINE SAND & SILT
10	SS-3 (10-12)	18	9-9-9-11	1.6'	Red brown SILT, trace to few clay, trace fine sand; wet, non-plastic	(ML)	
15							Bottom of Boring @ 12 ft.

Sample Types:		trace	0 to 5%	SPT Resistance		Approve/Date
SS	Split Spoon	few	5 to 10%	Cohesionless Density:	Cohesive Consistency:	
ST	Shelby Tube	little	15 to 25%	5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	
R	Rock Core	some	30 to 45%			
	Lab Sample	mostly	>50%			

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Maiden Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-13**
	LOCATION: N: 735509.04 E: 1020585.22	Elevation: 191.3 ft.	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 9, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 9, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, some drizzle, occ. sun, 70s	Ground Water (Date/Depth) : 5 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~5") & road base sand w/ gravel		
	SS-1 (1-3)	37	21-19-18-14	0.4'	0 - 0.4': Brown FILL (silt, fine sand & gravel)		FILL
					(auger cuttings consist of brown fine sand, few crs. sand and crs. gravel; siltier below 4-ft.)		3'
5							
	SS-2 (5-7)	17	11-10-7-9	0.8'	0 - 0.4': Red brown FINE SANDY SILT, trace crs. sand, trace fine gravel; moist 0.7 - 0.8': Gray SILT, trace clay; moist 0.4 - 0.7': Brown red CLAY & SILT; moist		INTERBEDDED FINE SAND, SILT & CLAY
					(auger cuttings consist of light brown silt)		
10							
	SS-3 (10-12)	20	6-9-11-12	1.4'	Brown CLAYEY SILT, fining down to SILTY CLAY; moist	(CL)	
							Bottom of Boring @ 12 ft.
15							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Maiden Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 1	**SB-14**
	LOCATION: N: 735501.69 E: 1020244.31	Elevation: 191.4	Total Depth: 12 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 9, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 9, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, some drizzle, occ. sun, 70s	Ground Water (Date/Depth) : 5 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~6") & road base sand w/ gravel		FILL
	SS-1 (1-3)	56	30-28-28-31	0.8'	Dark red brown FINE SAND, trace silt, trace fine gravel; dry		1'
							FINE SAND
5							
	SS-2 (5-7)	23	15-11-12-12	0.7'	Brown FINE SAND, little med. to crs. sand, little silt, little to few rock fragments; wet		
					(auger cuttings indicate downward fining)		
10							
	SS-3 (10-12)	40	14-18-22-24	0.7'	0 - 0.4': Brown FINE SAND, trace med. sand, trace to few silt; wet 0.4 - 0.7': Brown FINE SAND & GRAVEL; saturated		11' SAND & GRAVEL
							Bottom of Boring @ 12 ft.
15							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Maiden Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 2	**SB-15**
	LOCATION: N: 735485.40 E: 1019985.46	Elevation: 187.6 ft.	Total Depth: 27 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 9, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 9, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, some drizzle, occ. sun, 70s	Ground Water (Date/Depth) : 6.5 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~6") & road base sand w/ gravel		
	SS-1 (1-3)	21	18-12-9-5	0.9'	Light brown fine to med. sand, trace to few crs. sand and fine gravel; well graded FILL, dry		FILL
5							
	SS-2 (5-7)	18	6-8-10-12	1.0'	0 - 0.5': FILL, as above 0.5 - 1.0': Brown to gray MED. SAND, few fine sand; poorly graded, dry		6'
							FINE TO CRS. SAND (POSSIBLE FILL)
10							
	SS-3 (10-12)	34	9-14-20-35	1.3'	0 - 0.6': Yellow brown FINE TO CRS. SAND, trace fine gravel, trace silt; wet 0.6 - 1.3': Brown SILT & CLAY		11'
							SILTY CLAY
15							
	SS-4 (15-17)	16	6-8-8-9	1.9'	Red brown SILTY CLAY, trace fine sand lenses, trace fine gravel; wet	(CL)	

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
▨	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749 - RAC2 0060 Task 11**	2 of 2	**SB-15**
Maiden Lane	LOCATION: N: 735485.40 E: 1019985.46	Elevation:	Total Depth: 27 ft.

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-5 (20-22)	9	3-3-6-6	2.0'	Red brown SILTY CLAY; saturated		SILTY CLAY
25	SS-6 (25-27)	20	3-5-15-11	1.6'	0 - 0.5': SILTY CLAY, as above 0.5 - 1.0': Red brown FINE SANDY SILT; saturated 1.0 - 1.6': Red brown SILT & GRAVEL; saturated		26' SANDY & GRAVELLY SILT
							Bottom of Boring @ 27 ft.
30							
35							
40							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION: Maiden Lane	JOB NO.: **60275749 - RAC2 0060 Task 11**	1 of 2	**SB-16**
	LOCATION: N: 735466.46 E: 1020019.31	Elevation: 188.0 ft.	Total Depth: 27 ft.
DRILL CONTRACTOR : General Borings	ENG/GEO : W. Abrahams-Dematte	BEGUN : July 9, 2015	
DRILL RIG : Mobile B-53	DRILLER : Jim Casson	FINISHED : July 9, 2015	
Hole Size : Approx. 8-inches	Weather : Cloudy, some drizzle, occ. sun, 70s	Ground Water (Date/Depth) : 6 feet (at time of drilling)	
Drilling Method : 3.25-inch ID Hollow Stem Augers	Drilling Fluid : None	Top of Rock (Depth/Elev.) : Not Encountered	

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	GENERALIZED STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
					Pavement (~5") & road base sand w/ gravel		
	SS-1 (1-3)	44	43-24-20-14	0.7'	Brown to red brown, well graded FILL - consists of fine crs. sand and fine gravel; dry		FILL 3'
5	SS-2 (5-7)	8	6-3-5-8	0.7'	Gray FINE SANDY SILT; poorly graded, moist		CLAYEY SILT w/ SANDY INTERBEDS
10	SS-3 (10-12)	13	7-6-7-8	1.5'	Red brown SILTY CLAY; moist		
15	SS-4 (15-17)	15	4-6-9-9	1.5'	Red brown CLAYEY SILT; moist		

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

AECOM

GEOLOGIC LOG

PROJECT : **Durham Meadows Waterline**		SHEET	BORING NO.
SITE LOCATION:	JOB NO.: **60275749 - RAC2 0060 Task 11**	2 of 2	**SB-16**
Maiden Lane	LOCATION: N: 735466.46 E: 1020019.31	Elevation:	Total Depth: 27 ft.

Depth (ft)	Sample Type/No.	N Value	Blow Count (per 6 in.) or Drilling Rate(min/ft)	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION	SOIL CLASS.	STRATIGRAPHIC DESCRIPTION *(dashed where inferred)*
	SS-5 (20-22)	35	9-13-22-19	2.0'	0 - 0.7': CLAYEY SILT, as above 0.7 - 1.6': Red brown SILT, trace clay; moist to wet 1.6' - 2.0': Brown Silt, Fine Sand and Fine Gravel		CLAYEY SILT w/ SANDY INTERBEDS
25	SS-6 (25-27)	17	6-7-10-13	2.0'	0 - 0.5': Red brown CLAYEY SILT; moist 0.5' - 1.0': Red brown MED. TO CRS. SAND; wet 1.0' - 2.0': Brown FINE TO MED. SAND; poorly graded, wet		25.5' FINE TO CRS. SAND
							Bottom of Boring @ 27 ft.
30							
35							
40							

Sample Types:		trace	0 to 5%
SS	Split Spoon	few	5 to 10%
ST	Shelby Tube	little	15 to 25%
R	Rock Core	some	30 to 45%
▒	Lab Sample	mostly	>50%

SPT Resistance		Approve/Date
Cohesionless Density:	Cohesive Consistency:	
5-9 Loose, 10-29 Med. Dense 0-4 Very Loose, 30-49 Dense 50+ Very Dense	0-2 Very Soft, 3-4 Soft 5-8 Med. Stiff, 9-15 Stiff 16-30 Very Stiff, 31+ Hard	

ATTACHMENT 2

Laboratory Test Results

GeoTesting EXPRESS

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Transmittal

TO:

Wei Song

AECOM

701 Edgewater Drive

Wakefield, MA 01880

DATE: 8/21/2015	GTX NO: 303489
RE: Durham Meadow Water Main	

COPIES	DATE	DESCRIPTION
	8/21/2015	**August 2015 Laboratory Test Report**

REMARKS:

SIGNED: _____

Jonathan Campbell, Assistant Laboratory Manager

CC:

APPROVED BY: _____

Joe Tomei, Laboratory Manager

GeoTesting EXPRESS

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August 21, 2015

Wei Song
AECOM
701 Edgewater Drive
Wakefield, MA 01880

RE: Durham Meadow Water Main, Durham, CT (GTX-303489)

Dear Wei:

Enclosed are the test results you requested for the above referenced project. GeoTesting Express, Inc. (GTX) received 21 samples from you on 7/21/2015. These samples were labeled as follows:

Boring	Sample	Depth
SB-1	SS-2	5-7 ft
SB-2	SS-3	10-12 ft
SB-2	SS-5	20-22 ft
SB-3	SS-2	5-7 ft
SB-4	SS-2	5-7 ft
SB-4	SS-3	10-12 ft
SB-5	SS-3	10-12 ft
SB-7	SS-2	5-7 ft
SB-7	SS-3	10-12 ft
SB-8	SS-2	5-7 ft
SB-8	SS-5	20-22 ft
SB-9	SS-3	10-12 ft
SB-9	SS-4	15-17 ft
SB-10	SS-2	5-7 ft
SB-11	SS-2	5-7 ft
SB-12	SS-2	5-7 ft
SB-12	SS-3	10-12 ft
SB-13	SS-2	5-7 ft
SB-13	SS-3	10-12 ft
SB-14	SS-2	5-7 ft
SB-15	SS-4	15-17 ft

GTX performed the following tests on these samples:

2 ASTM D4972 - pH
2 ASTM G 57 - Electrical Resistivity (Laboratory)
10 ASTM D422 - Grain Size Analyses - Sieve and Hydrometer
7 ASTM D422 - Grain Size Analysis - Sieve Only
5 ASTM D4318 - Atterberg Limits

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GTX subcontracted with Fugro Consultants, Inc. of Houston, TX to perform ASTM D512-Chlorides and D516-Sulfates on two of your samples. See the attached test report for results.

GTX also subcontracted with Alpha Analytical of Westborough, MA to perform SM2580B- Oxidation-Reduction Potential of Soil on two of your samples. See the attached test report for results.

A copy of your test request is attached.

The results presented in this report apply only to the items tested. This report shall not be reproduced except in full, without written approval from GeoTesting Express. The remainder of these samples will be retained for a period of sixty (60) days and will then be discarded unless otherwise notified by you. Please call me if you have any questions or require additional information. Thank you for allowing GeoTesting Express the opportunity of providing you with testing services. We look forward to working with you again in the future.

Respectfully yours,

Jonathan Campbell
Assistant Laboratory Manager

GeoTesting EXPRESS

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Geotechnical Test Report

8/21/2015

GTX-303489
Durham Meadow Water Main

Durham, CT

Client Project No.: 60275749-RAC2 0060; Task 03

Prepared for:

AECOM

GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	---	Sample Type:	---	Tested By:	jbr
Sample ID:	---	Test Date:	07/28/15	Checked By:	jdt
Depth :	---	Test Id:	339591		

pH of Soil by ASTM D4972

Boring ID	Sample ID	Depth	Visual Description	pH of Soil in Distilled Water	pH of Soil in Calcium Chloride
SB-7	SS-2	5-7 ft	Moist, brown sandy clay with gravel	7.3	6.8
SB-12	SS-2	5-7 ft	Moist, brown silt	7.3	6.7

Notes: Sample Preparation: screened through #10 sieve

Method A, pH meter used

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GeoTesting EXPRESS

Client:	AECOM
Project:	Durham Medow Water Main
Location:	Durham, CT
GTX#:	303489
Test Date:	07/28/15
Tested By:	adu
Checked By:	jdt

Laboratory Measurement of Soil Resistivity Using the Wenner Four-Electrode Method by ASTM G57 (Laboratory Measurement)

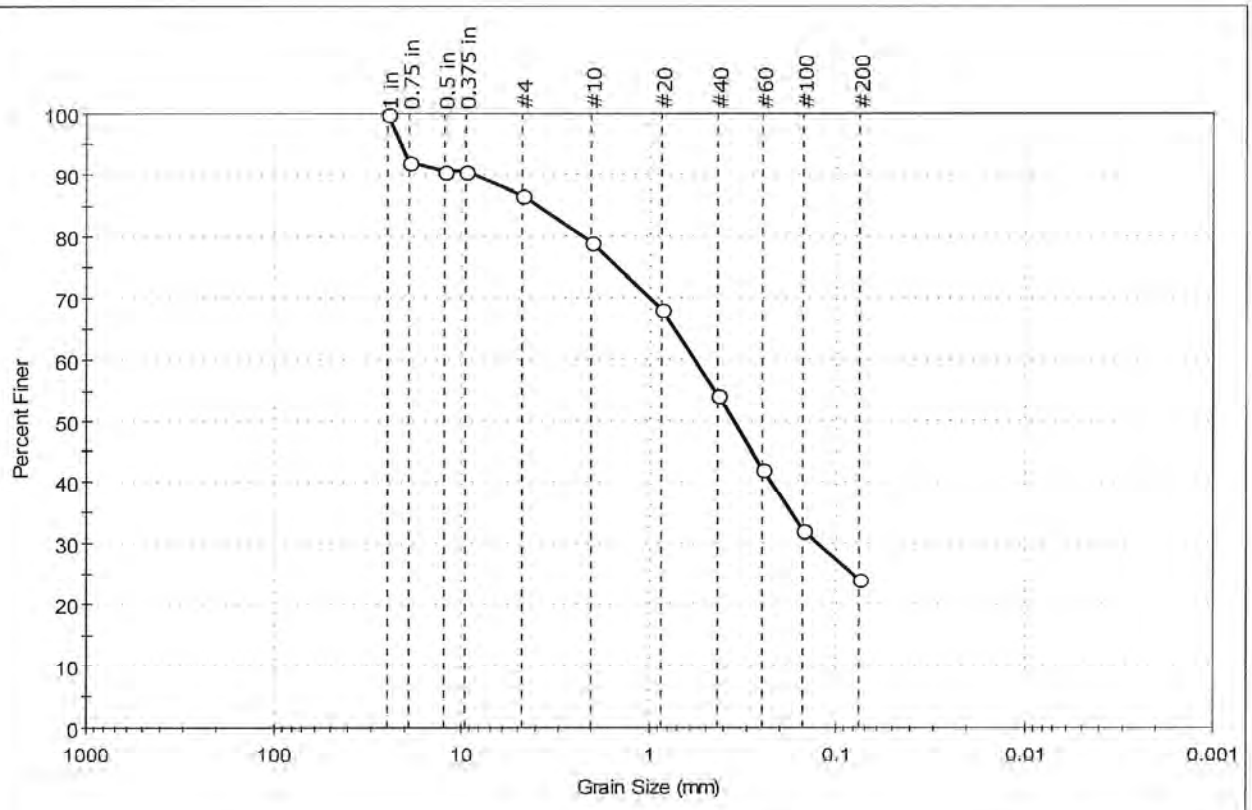
Boring ID	Sample ID	Depth, ft.	Sample Description	Electrical Resistivity, ohm-cm	Electrical Conductivity, $(ohm\text{-}cm)^{-1}$
SB-7	SS-2	5-7	Moist, brown sandy clay with gravel	2,789	3.59E-04
SB-12	SS-2	5-7	Moist, brown silt	9,297	1.08E-04

Notes: Test Equipment: Nilsson Model 400 Soil Resistance Meter, MC Miller Soil Box
Water added to sample to create a thick slurry prior to testing (saturated condition).
Electrical Conductivity is calculated as inverse of Electrical Resistivity (per ASTM G57)
Test conducted in standard laboratory atmosphere: 68-73 F

GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-1	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-2	Test Date:	07/30/15	Checked By:	jdt
Depth :	5-7 ft	Test Id:	339560		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	13.4	62.5	24.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	92		
0.5 in	12.50	91		
0.375 in	9.50	91		
#4	4.75	87		
#10	2.00	79		
#20	0.85	68		
#40	0.42	54		
#60	0.25	42		
#100	0.15	32		
#200	0.075	24		

Coefficients

D_{85} = 3.9308 mm D_{30} = 0.1242 mm
D_{60} = 0.5641 mm D_{15} = N/A
D_{50} = 0.3510 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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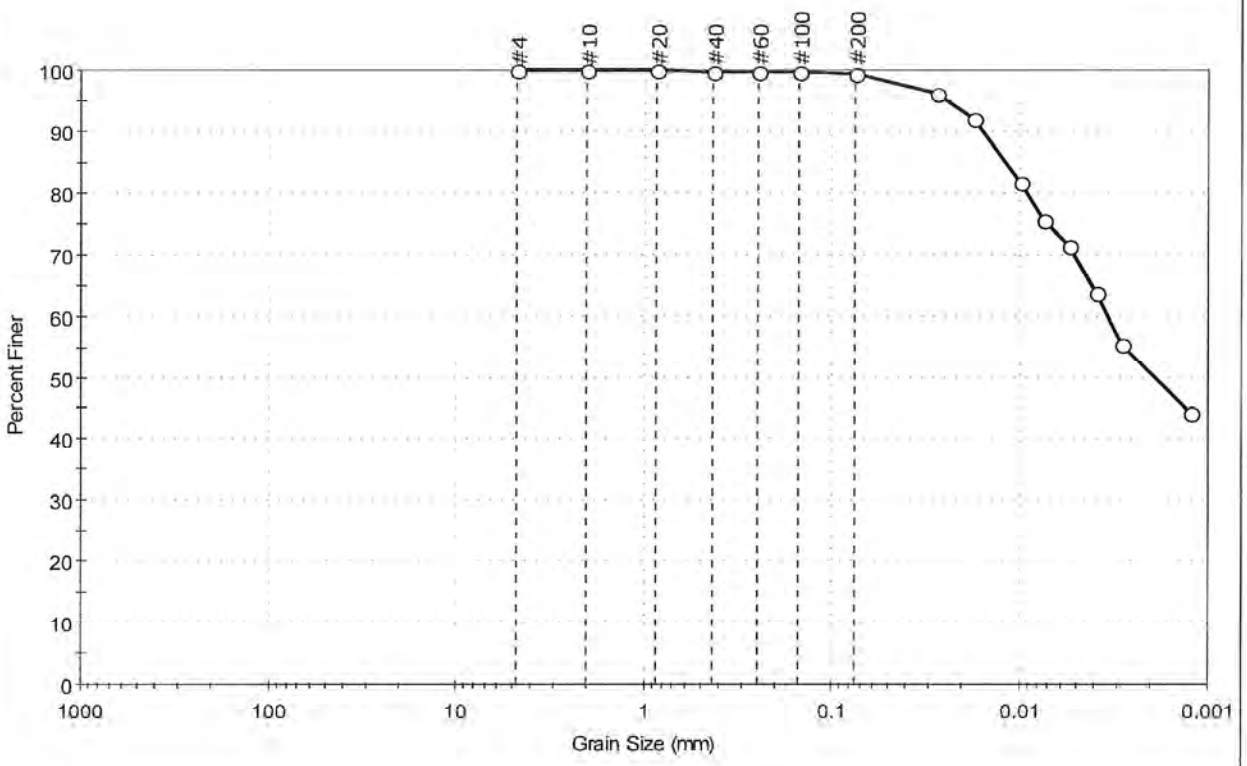
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-2	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/30/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339567		
Test Comment:	---				
Visual Description:	Moist, reddish brown clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	0.5	99.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	100		
#60	0.25	100		
#100	0.15	100		
#200	0.075	99		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0274	96		
---	0.0173	92		
---	0.0100	82		
---	0.0075	76		
---	0.0054	71		
---	0.0039	64		
---	0.0028	56		
---	0.0012	44		

Coefficients

D_{85} = 0.0119 mm	D_{30} = N/A
D_{60} = 0.0034 mm	D_{15} = N/A
D_{50} = 0.0019 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Lean clay (CL)

AASHTO Clayey Soils (A-7-6 (21))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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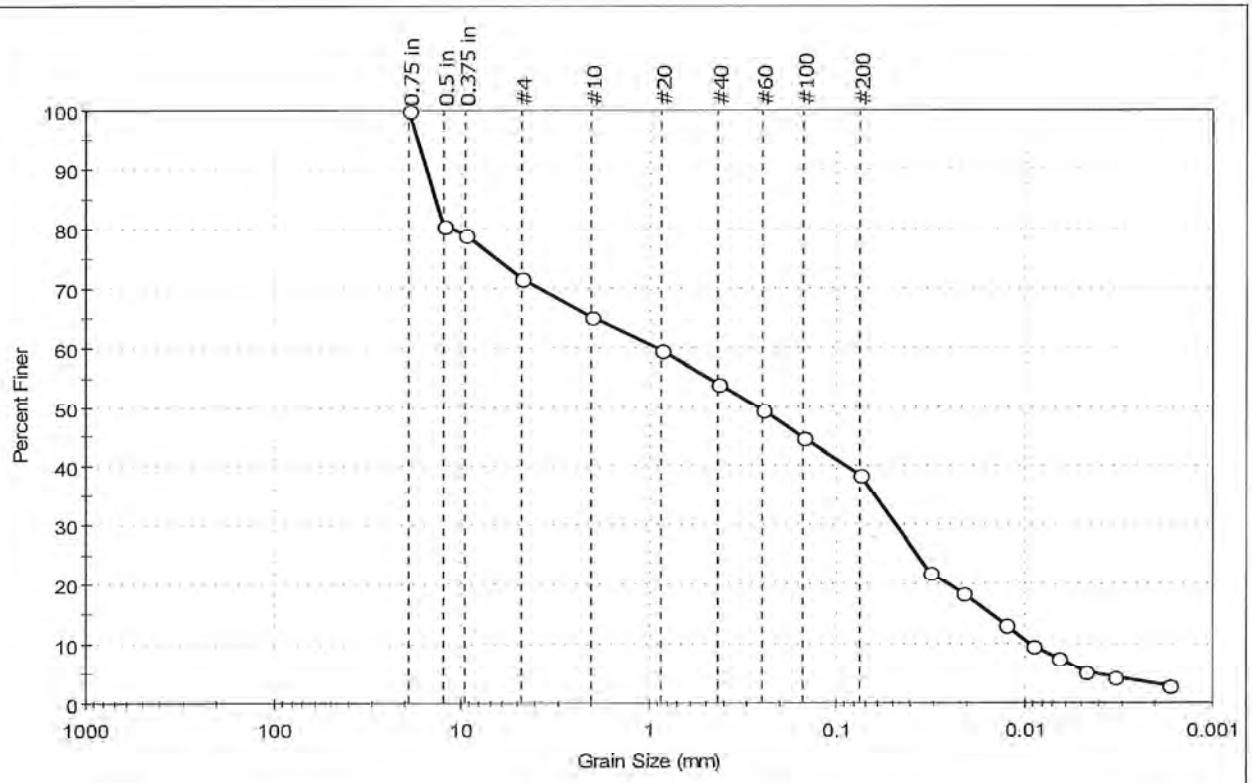
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-2	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-5	Test Date:	07/31/15	Checked By:	jdt
Depth :	20-22 ft	Test Id:	339568		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	28.3	33.1	38.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	81		
0.375 in	9.50	79		
#4	4.75	72		
#10	2.00	65		
#20	0.85	60		
#40	0.42	54		
#60	0.25	49		
#100	0.15	45		
#200	0.075	39		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0317	22		
---	0.0211	19		
---	0.0126	13		
---	0.0090	10		
---	0.0065	8		
---	0.0047	5		
---	0.0033	4		
---	0.0017	3		

Coefficients

D_{85} = 13.7591 mm	D_{30} = 0.0479 mm
D_{60} = 0.9043 mm	D_{15} = 0.0150 mm
D_{50} = 0.2653 mm	D_{10} = 0.0092 mm
C_u = 98.293	C_c = 0.276

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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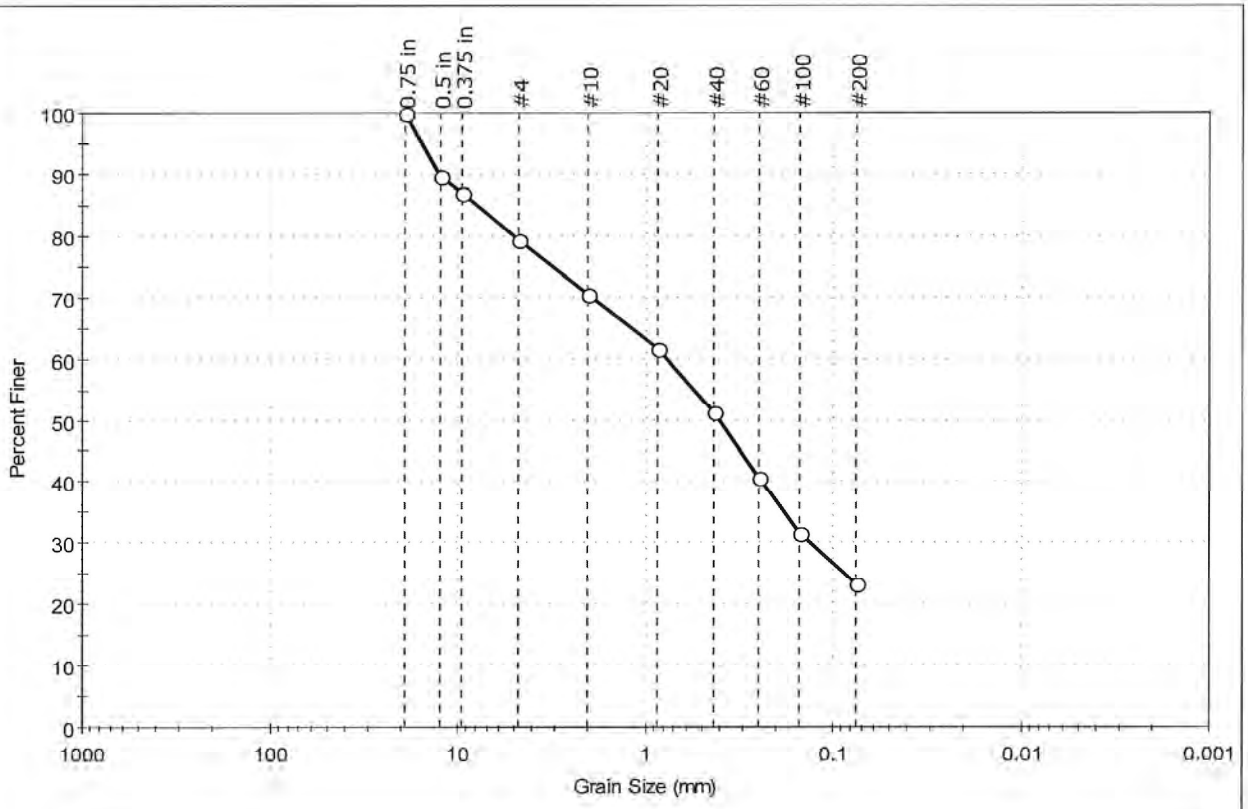
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-3	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-2	Test Date:	07/29/15	Checked By:	jdt
Depth :	5-7 ft	Test Id:	339561		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	20.6	56.1	23.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	90		
0.375 in	9.50	87		
#4	4.75	79		
#10	2.00	70		
#20	0.85	62		
#40	0.42	51		
#60	0.25	41		
#100	0.15	31		
#200	0.075	23		

Coefficients

D_{85} = 7.8402 mm	D_{30} = 0.1323 mm
D_{60} = 0.7624 mm	D_{15} = N/A
D_{50} = 0.3957 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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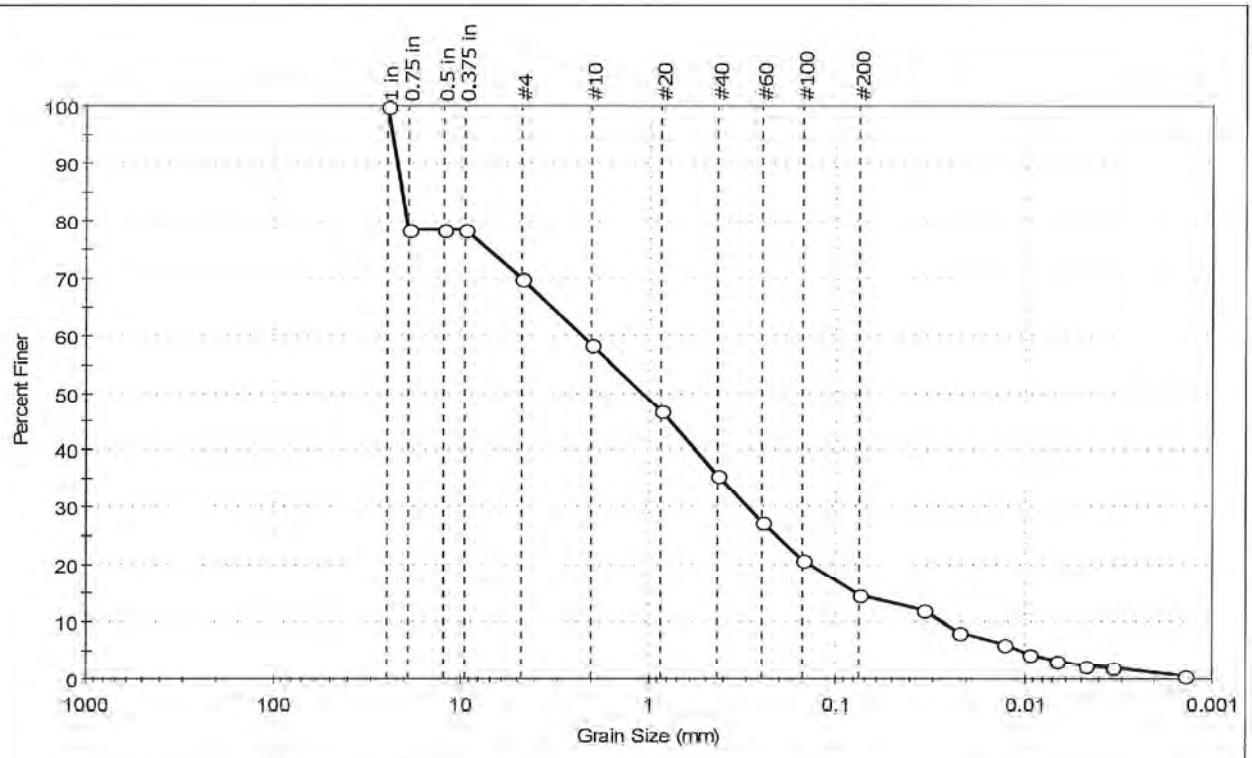
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-4	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/28/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339569		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	30.1	55.0	14.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	78		
0.5 in	12.50	78		
0.375 in	9.50	78		
#4	4.75	70		
#10	2.00	58		
#20	0.85	47		
#40	0.42	36		
#60	0.25	27		
#100	0.15	21		
#200	0.075	15		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0340	12		
---	0.0222	8		
---	0.0127	6		
---	0.0094	4		
---	0.0067	3		
---	0.0048	2		
---	0.0033	2		
---	0.0014	1		

Coefficients

D_{85} = 20.6453 mm	D_{30} = 0.2959 mm
D_{60} = 2.2470 mm	D_{15} = 0.0760 mm
D_{50} = 1.0732 mm	D_{10} = 0.0271 mm
C_u = 82.915	C_c = 1.438

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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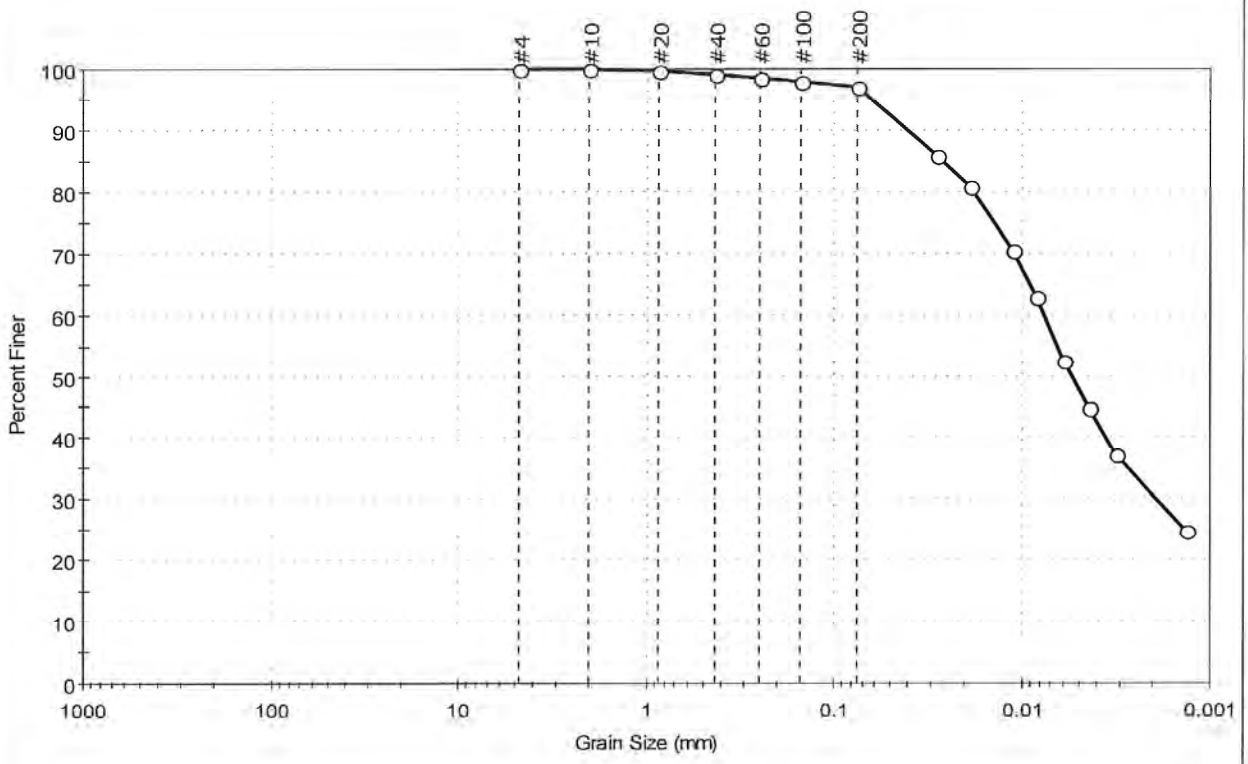
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-5	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/28/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339570		
Test Comment:	---				
Visual Description:	Moist, brown clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	3.0	97.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	99		
#60	0.25	99		
#100	0.15	98		
#200	0.075	97		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0284	86		
---	0.0190	81		
---	0.0111	71		
---	0.0083	63		
---	0.0060	53		
---	0.0043	45		
---	0.0031	37		
---	0.0013	25		

Coefficients

D_{85} = 0.0264 mm	D_{30} = 0.0019 mm
D_{60} = 0.0076 mm	D_{15} = N/A
D_{50} = 0.0054 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Lean clay (CL)

AASHTO Clayey Soils (A-6 (18))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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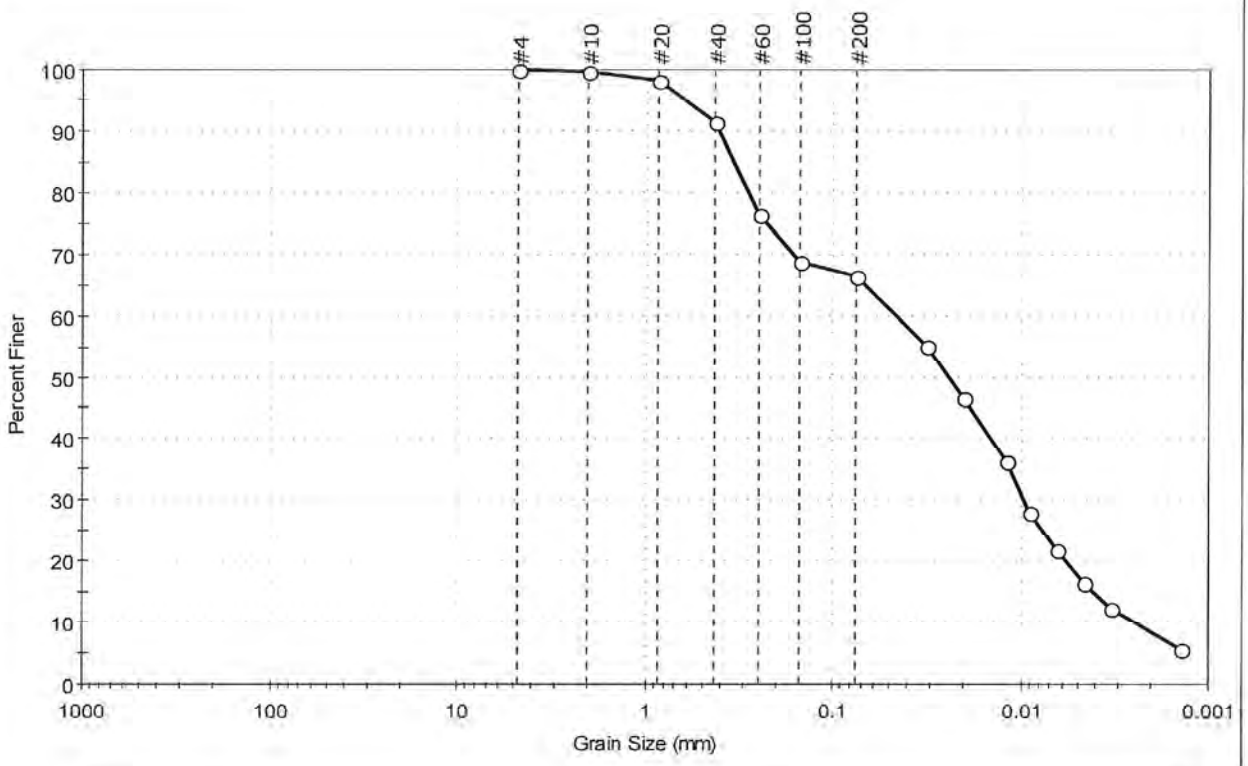
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-7	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/28/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339571		
Test Comment:	---				
Visual Description:	Moist, brown sandy silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	0.0	33.8	66.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	98		
#40	0.42	92		
#60	0.25	76		
#100	0.15	69		
#200	0.075	66		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0315	55		
---	0.0203	47		
---	0.0119	36		
---	0.0089	28		
---	0.0064	22		
---	0.0046	17		
---	0.0033	12		
---	0.0014	6		

Coefficients

D_{85} = 0.3378 mm D_{30} = 0.0095 mm
D_{60} = 0.0463 mm D_{15} = 0.0040 mm
D_{50} = 0.0241 mm D_{10} = 0.0024 mm
C_u = 19.292 C_c = 0.812

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : ---
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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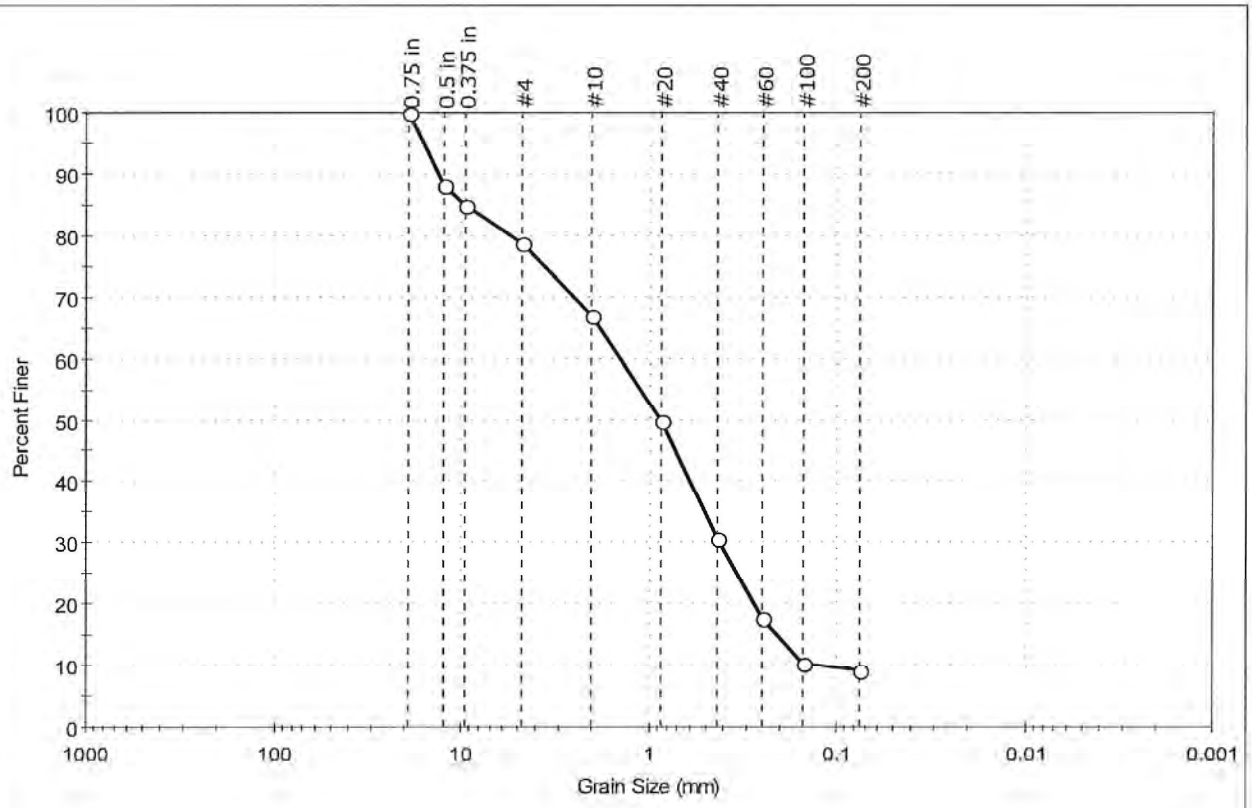
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-8	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-2	Test Date:	07/29/15	Checked By:	jdt
Depth :	5-7 ft	Test Id:	339562		
Test Comment:	---				
Visual Description:	Moist, brown sand with silt and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
–	21.2	69.7	9.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	88		
0.375 in	9.50	85		
#4	4.75	79		
#10	2.00	67		
#20	0.85	50		
#40	0.42	31		
#60	0.25	18		
#100	0.15	10		
#200	0.075	9.1		

Coefficients

D_{85} = 9.4857 mm D_{30} = 0.4139 mm
D_{60} = 1.4156 mm D_{15} = 0.2083 mm
D_{50} = 0.8586 mm D_{10} = 0.1290 mm
C_u = 10.974 C_c = 0.938

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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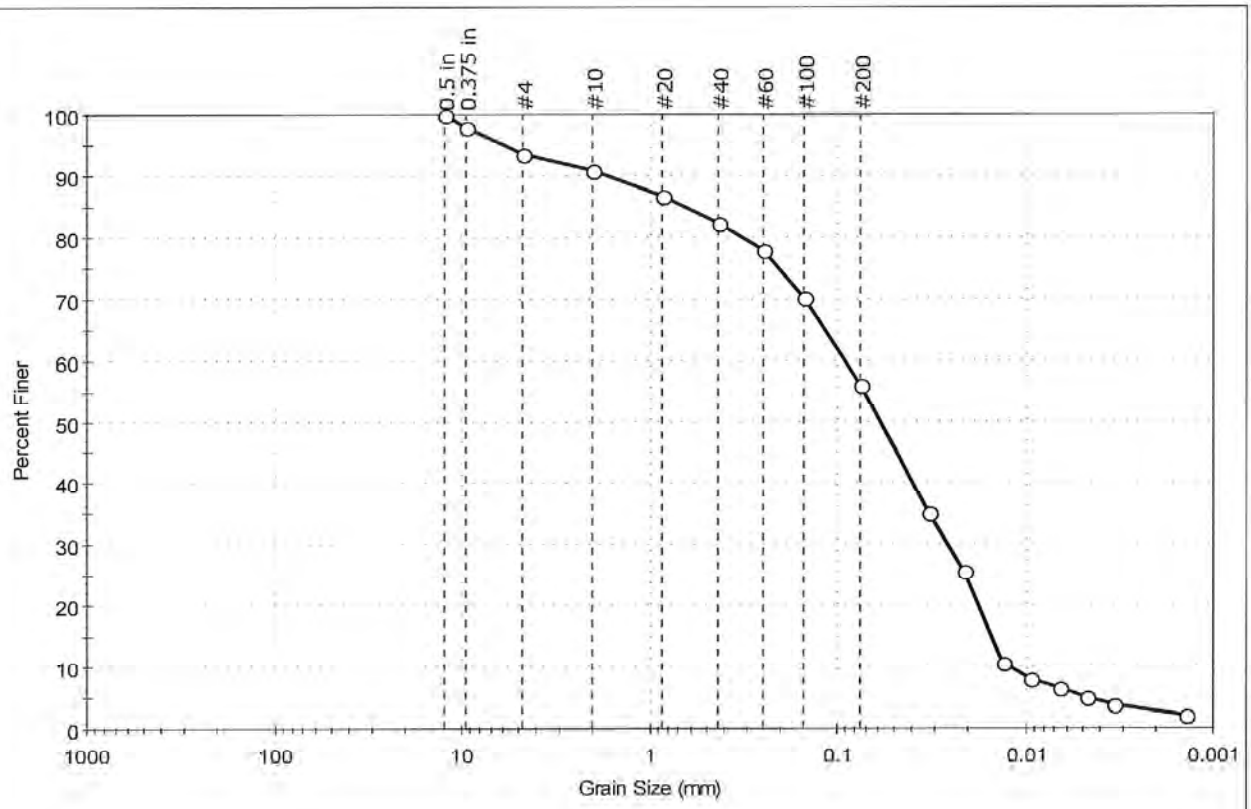
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-8	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-5	Test Date:	07/30/15	Checked By:	jdt
Depth :	20-22 ft	Test Id:	339572		
Test Comment:	---				
Visual Description:	Moist, reddish brown sandy silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	6.6	37.3	56.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	98		
#4	4.75	93		
#10	2.00	91		
#20	0.85	87		
#40	0.42	82		
#60	0.25	78		
#100	0.15	70		
#200	0.075	56		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0326	35		
---	0.0212	26		
---	0.0131	11		
---	0.0093	8		
---	0.0066	6		
---	0.0047	5		
---	0.0033	4		
---	0.0014	2		

Coefficients

D_{85} = 0.6562 mm	D_{30} = 0.0258 mm
D_{60} = 0.0905 mm	D_{15} = 0.0151 mm
D_{50} = 0.0587 mm	D_{10} = 0.0122 mm
C_u = 7.418	C_c = 0.603

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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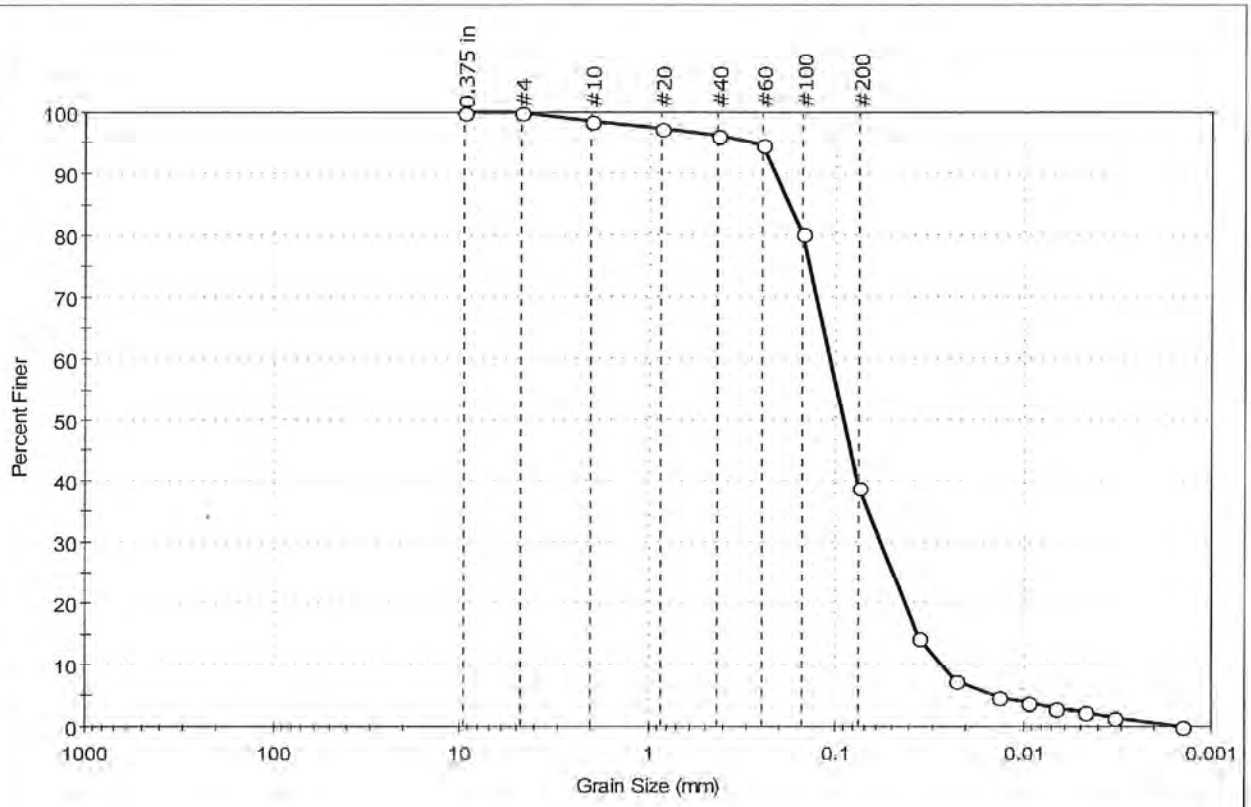
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-9	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/29/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339573		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	61.0	39.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	99		
#20	0.85	97		
#40	0.42	96		
#60	0.25	95		
#100	0.15	80		
#200	0.075	39		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0361	15		
---	0.0227	7		
---	0.0134	5		
---	0.0094	4		
---	0.0067	3		
---	0.0047	2		
---	0.0033	2		
---	0.0014	0		

Coefficients

D_{85} = 0.1772 mm	D_{30} = 0.0573 mm
D_{60} = 0.1067 mm	D_{15} = 0.0365 mm
D_{50} = 0.0902 mm	D_{10} = 0.0268 mm
C_u = 3.981	C_c = 1.148

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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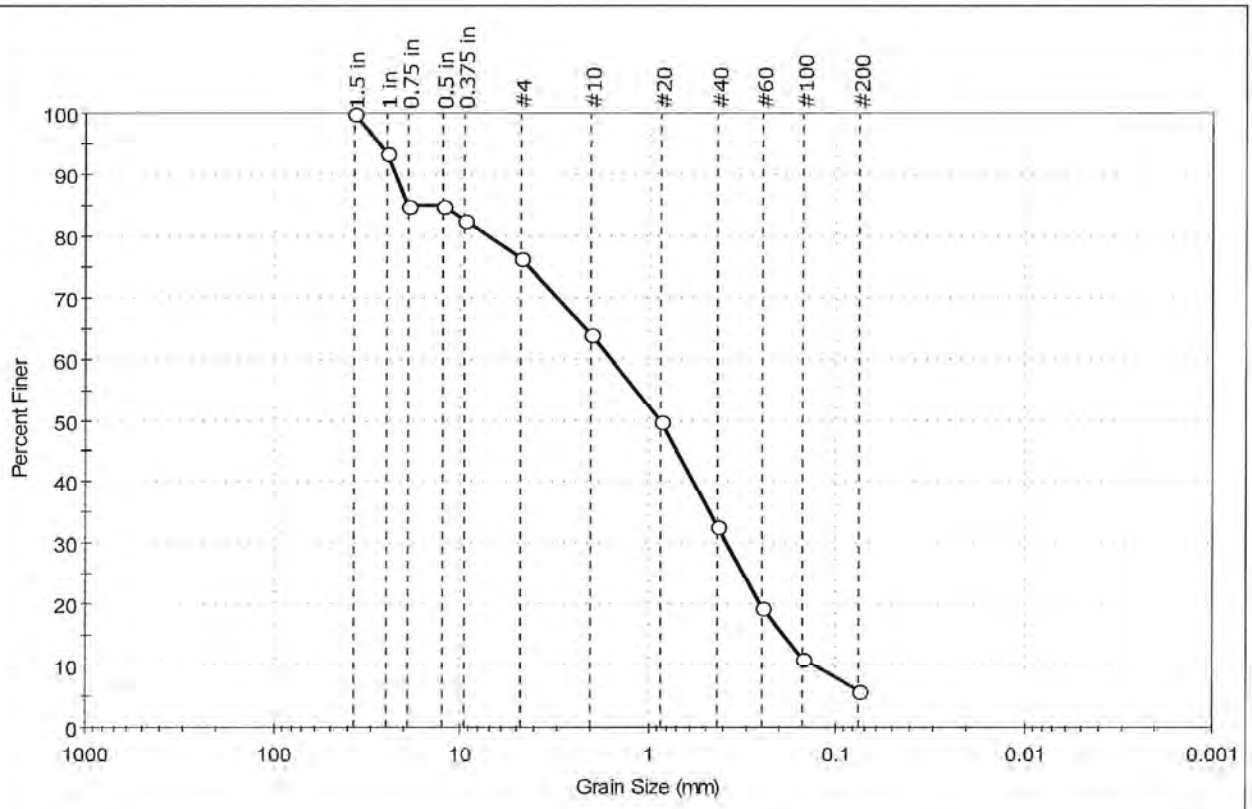
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-9	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-4	Test Date:	07/31/15	Checked By:	jdt
Depth :	15-17 ft	Test Id:	339563		
Test Comment:	---				
Visual Description:	Moist, brown sand with silt and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	23.6	70.4	6.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1 in	25.00	93		
0.75 in	19.00	85		
0.5 in	12.50	85		
0.375 in	9.50	83		
#4	4.75	76		
#10	2.00	64		
#20	0.85	50		
#40	0.42	33		
#60	0.25	19		
#100	0.15	11		
#200	0.075	6.0		

Coefficients

D_{85} = 12.4420 mm D_{30} = 0.3807 mm
D_{60} = 1.5638 mm D_{15} = 0.1909 mm
D_{50} = 0.8626 mm D_{10} = 0.1290 mm
C_u = 12.122 C_c = 0.718

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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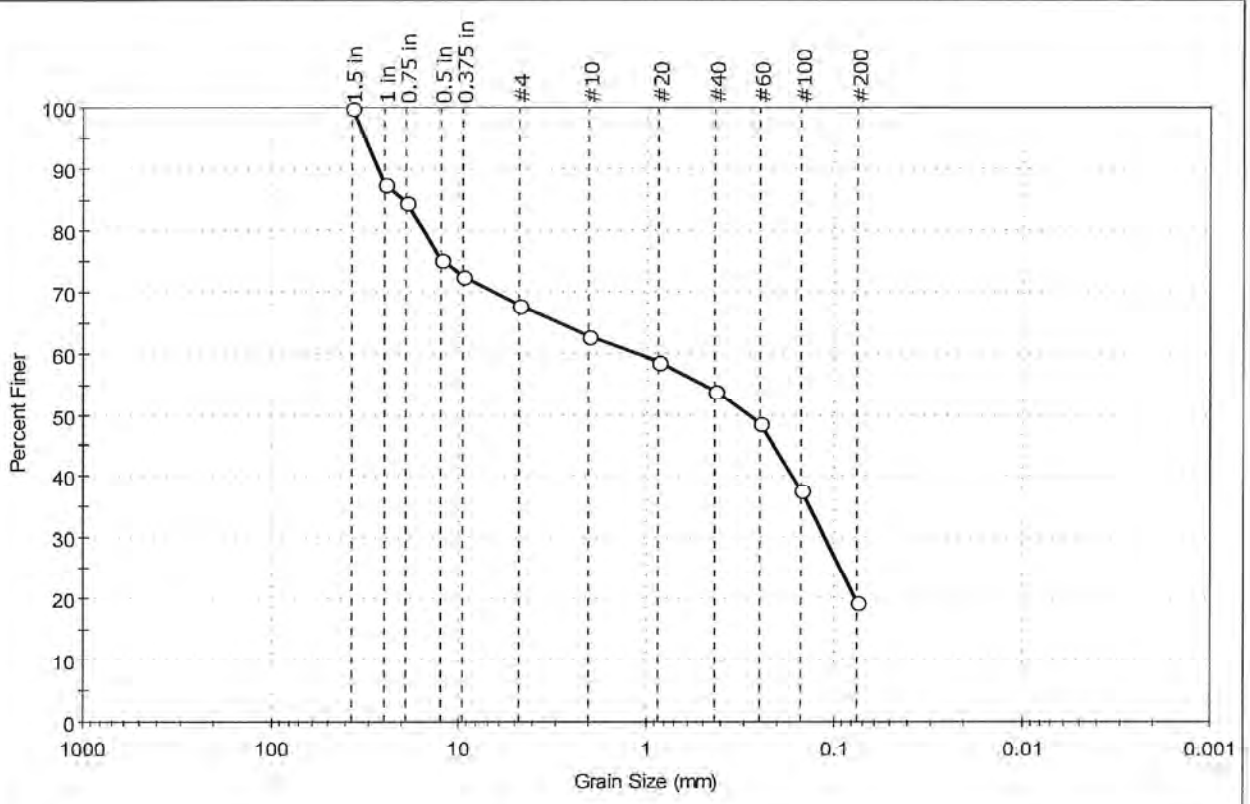
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-10	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-2	Test Date:	07/29/15	Checked By:	jdt
Depth :	5-7 ft	Test Id:	339564		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	32.1	48.3	19.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1 in	25.00	88		
0.75 in	19.00	85		
0.5 in	12.50	75		
0.375 in	9.50	73		
#4	4.75	68		
#10	2.00	63		
#20	0.85	59		
#40	0.42	54		
#60	0.25	49		
#100	0.15	38		
#200	0.075	20		

Coefficients

D_{85} = 19.8178 mm D_{30} = 0.1116 mm
D_{60} = 1.1305 mm D_{15} = N/A
D_{50} = 0.2876 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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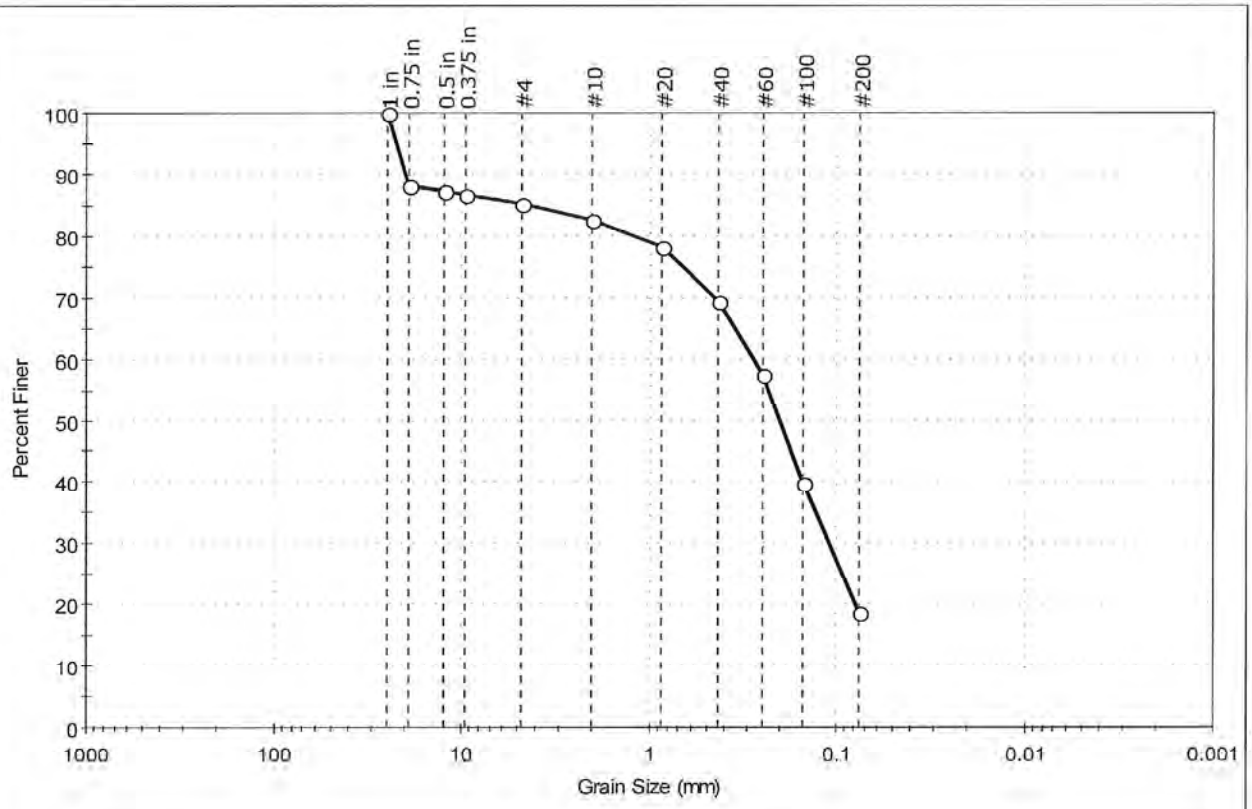
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-11	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-2	Test Date:	07/29/15	Checked By:	jdt
Depth :	5-7 ft	Test Id:	339565		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	14.8	66.6	18.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	88		
0.5 in	12.50	87		
0.375 in	9.50	87		
#4	4.75	85		
#10	2.00	82		
#20	0.85	78		
#40	0.42	69		
#60	0.25	58		
#100	0.15	40		
#200	0.075	19		

Coefficients

D_{85} = 4.5326 mm D_{30} = 0.1090 mm
D_{60} = 0.2780 mm D_{15} = N/A
D_{50} = 0.2009 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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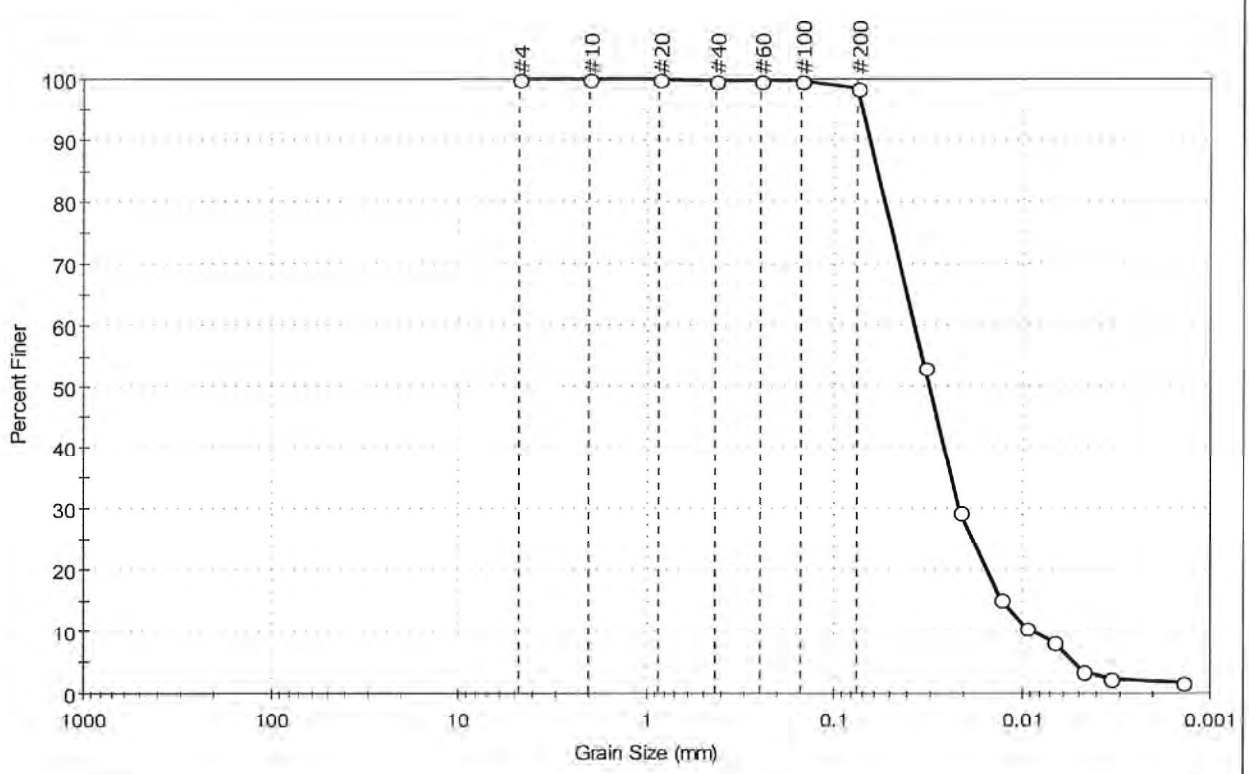
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-12	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/28/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339574		
Test Comment:	---				
Visual Description:	Moist, brown silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	1.4	98.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	100		
#60	0.25	100		
#100	0.15	100		
#200	0.075	99		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0324	53		
---	0.0214	30		
---	0.0127	15		
---	0.0094	11		
---	0.0067	8		
---	0.0048	4		
---	0.0034	2		
---	0.0014	2		

Coefficients

D_{85} = 0.0583 mm	D_{30} = 0.0216 mm
D_{60} = 0.0367 mm	D_{15} = 0.0124 mm
D_{50} = 0.0306 mm	D_{10} = 0.0086 mm
C_u = 4.267	C_c = 1.478

Classification

ASTM Silt (ML)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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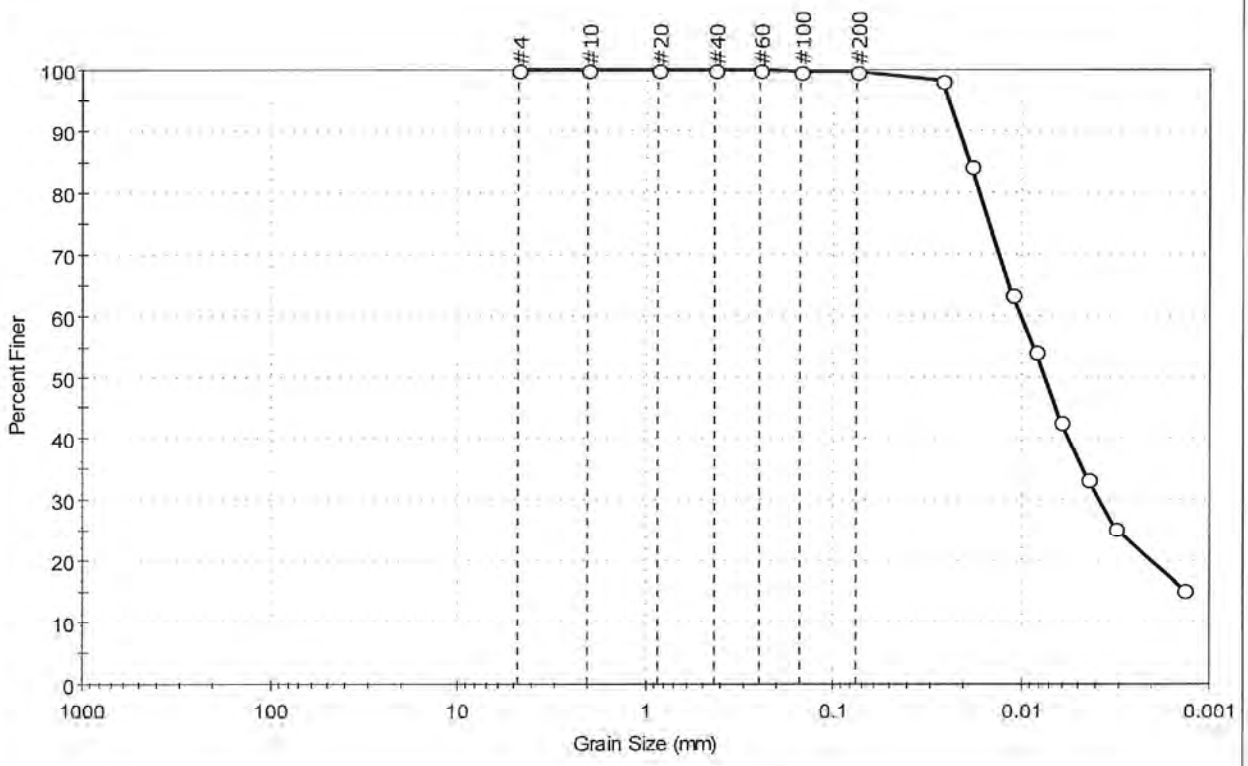
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-13	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-3	Test Date:	07/28/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339575		
Test Comment:	---				
Visual Description:	Moist, brown clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	0.4	99.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	100		
#60	0.25	100		
#100	0.15	100		
#200	0.075	100		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0264	98		
---	0.0183	84		
---	0.0111	63		
---	0.0084	54		
---	0.0061	43		
---	0.0044	33		
---	0.0032	25		
---	0.0014	15		

Coefficients

D_{85} = 0.0187 mm	D_{30} = 0.0038 mm
D_{60} = 0.0100 mm	D_{15} = N/A
D_{50} = 0.0075 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Lean clay (CL)

AASHTO Silty Soils (A-4 (9))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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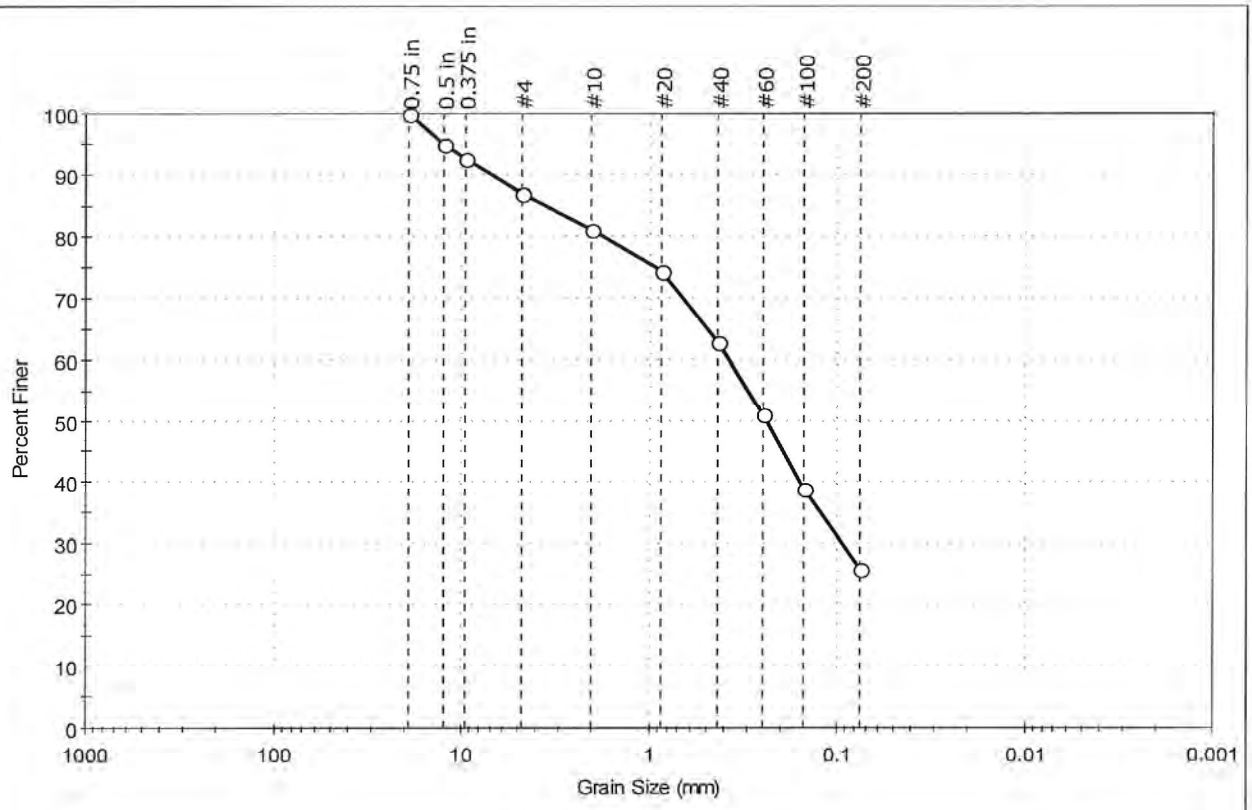
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-14	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-2	Test Date:	07/29/15	Checked By:	jdt
Depth :	5-7 ft	Test Id:	339566		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	12.9	61.1	26.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	95		
0.375 in	9.50	93		
#4	4.75	87		
#10	2.00	81		
#20	0.85	74		
#40	0.42	63		
#60	0.25	51		
#100	0.15	39		
#200	0.075	26		

Coefficients

D_{85} = 3.5256 mm D_{30} = 0.0930 mm
D_{60} = 0.3728 mm D_{15} = N/A
D_{50} = 0.2384 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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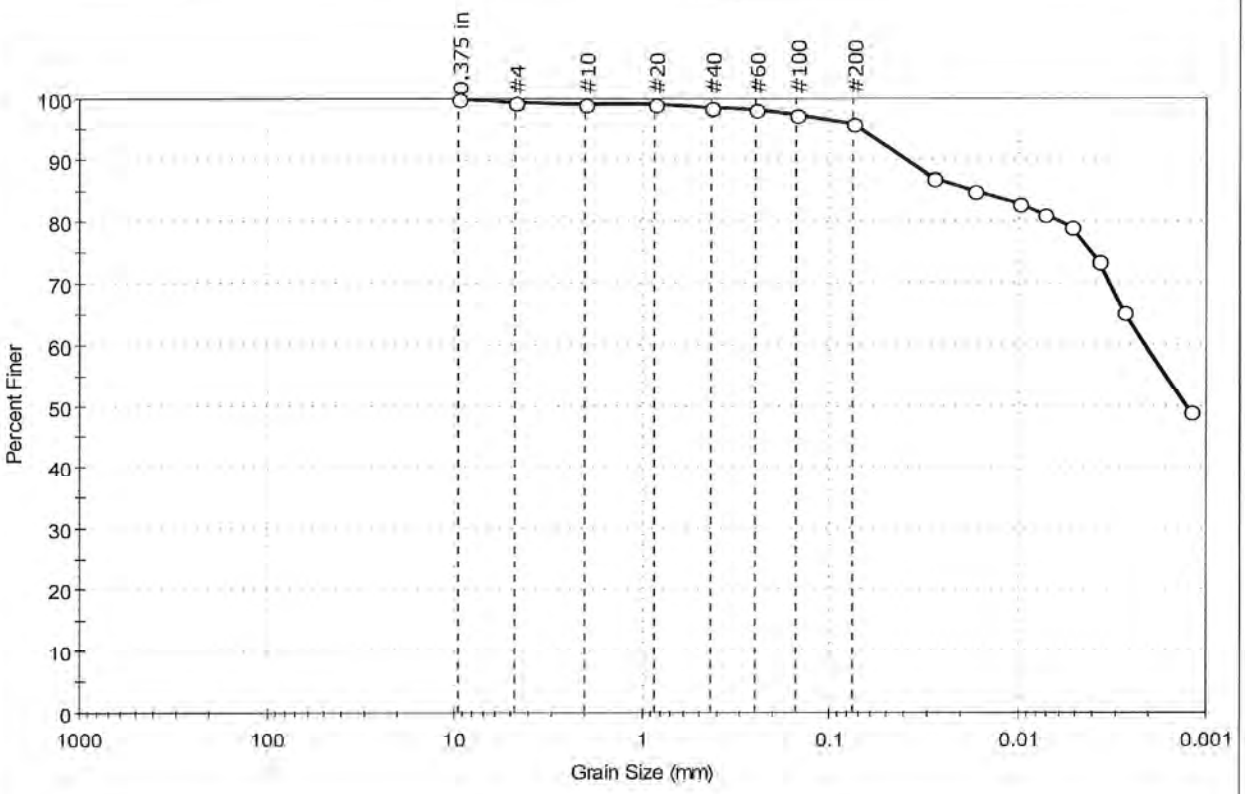
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-15	Sample Type:	bag	Tested By:	jbr
Sample ID:	SS-4	Test Date:	07/30/15	Checked By:	jdt
Depth :	15-17 ft	Test Id:	339576		
Test Comment:	---				
Visual Description:	Moist, reddish brown clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.6	3.4	96.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	99		
#20	0.85	99		
#40	0.42	99		
#60	0.25	98		
#100	0.15	97		
#200	0.075	96		
—	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0283	87		
---	0.0170	85		
---	0.0099	83		
---	0.0073	81		
---	0.0052	79		
---	0.0037	73		
---	0.0027	65		
---	0.0012	49		

Coefficients

D_{85} = 0.0167 mm D_{30} = N/A
D_{60} = 0.0021 mm D_{15} = N/A
D_{50} = 0.0013 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM Lean clay (CL)

AASHTO Clayey Soils (A-7-6 (21))

Sample/Test Description

Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : ---
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Specific Gravity : 2.65

Separation of Sample: #200 Sieve

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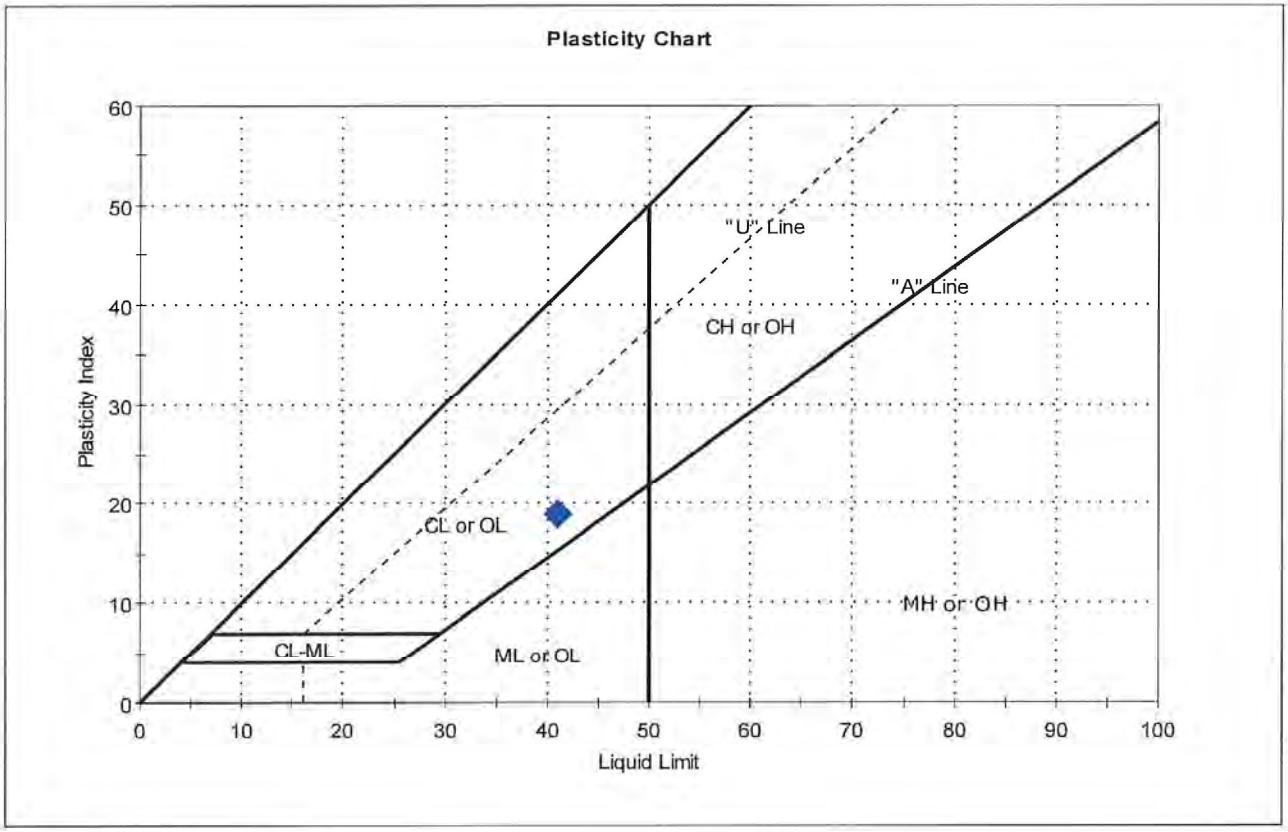
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-2	Sample Type:	bag	Tested By:	cam
Sample ID:	SS-3	Test Date:	07/31/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339577		
Test Comment:	---				
Visual Description:	Moist, reddish brown clay				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	SS-3	SB-2	10-12 ft	47	41	22	19	1.3	Lean clay (CL)

Sample Prepared using the WET method
0% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

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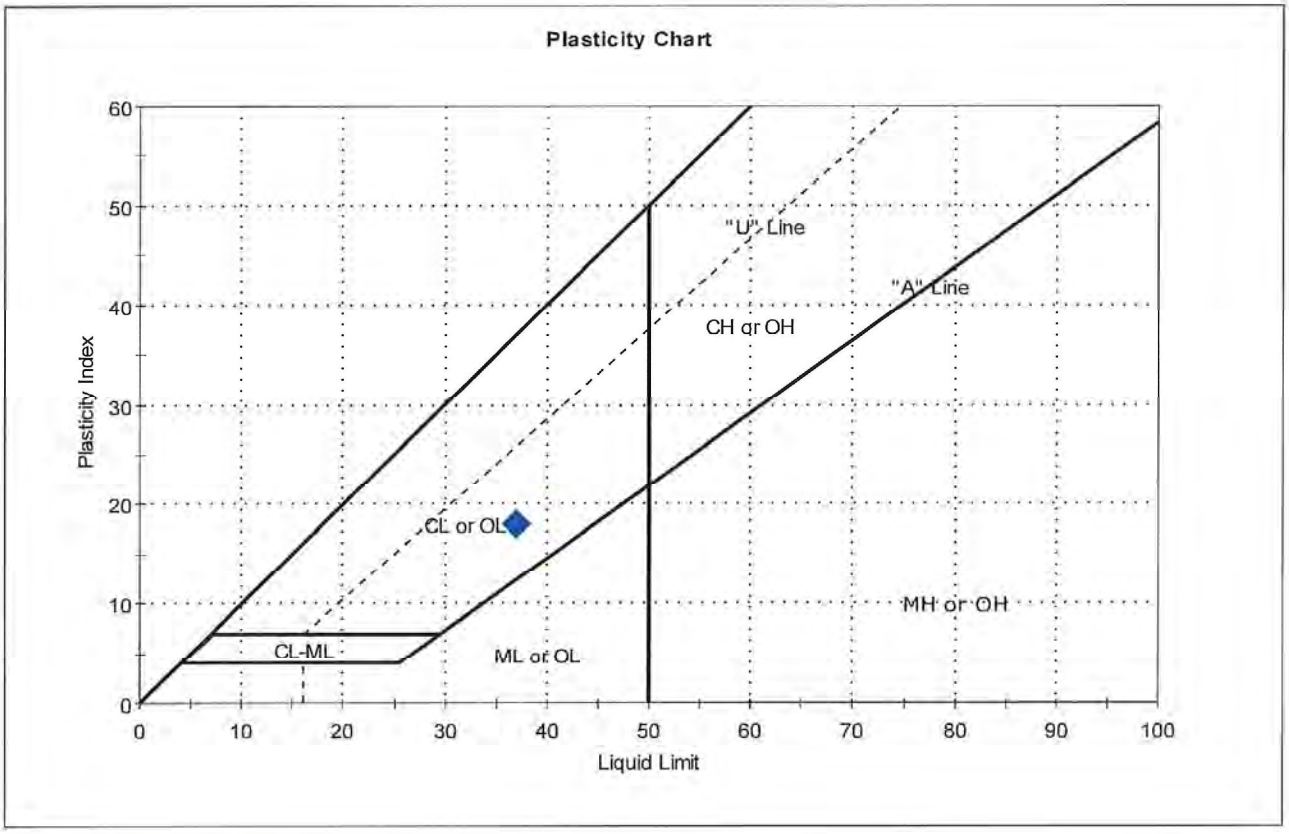
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-5	Sample Type:	bag	Tested By:	cam
Sample ID:	SS-3	Test Date:	07/30/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339578		
Test Comment:	---				
Visual Description:	Moist, brown clay				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	SS-3	SB-5	10-12 ft	20	37	19	18	0.1	Lean clay (CL)

Sample Prepared using the WET method
1% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

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GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-12	Sample Type:	bag	Tested By:	cam
Sample ID:	SS-3	Test Date:	07/29/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339579		
Test Comment:	---				
Visual Description:	Moist, brown silt				
Sample Comment:	---				

Atterberg Limits - ASTM D4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	SS-3	SB-12	10-12 ft	26	n/a	n/a	n/a	n/a	Silt (ML)

0% Retained on #40 Sieve
Dry Strength: LOW
Dilatancy: RAPID
Toughness: n/a
The sample was determined to be Non-Plastic

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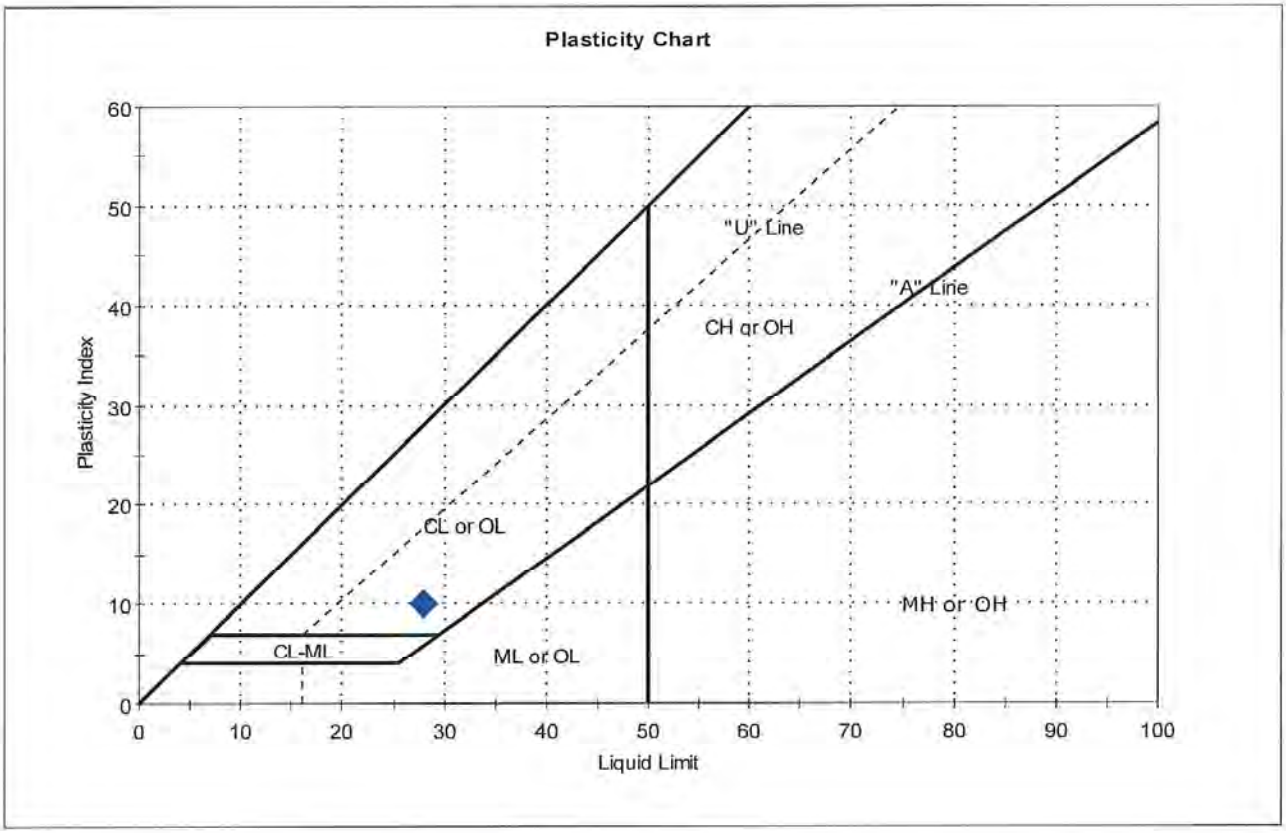
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-13	Sample Type:	bag	Tested By:	cam
Sample ID:	SS-3	Test Date:	07/30/15	Checked By:	jdt
Depth :	10-12 ft	Test Id:	339580		
Test Comment:	---				
Visual Description:	Moist, brown clay				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	SS-3	SB-13	10-12 ft	22	28	18	10	0.4	Lean clay (CL)

Sample Prepared using the WET method
0% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

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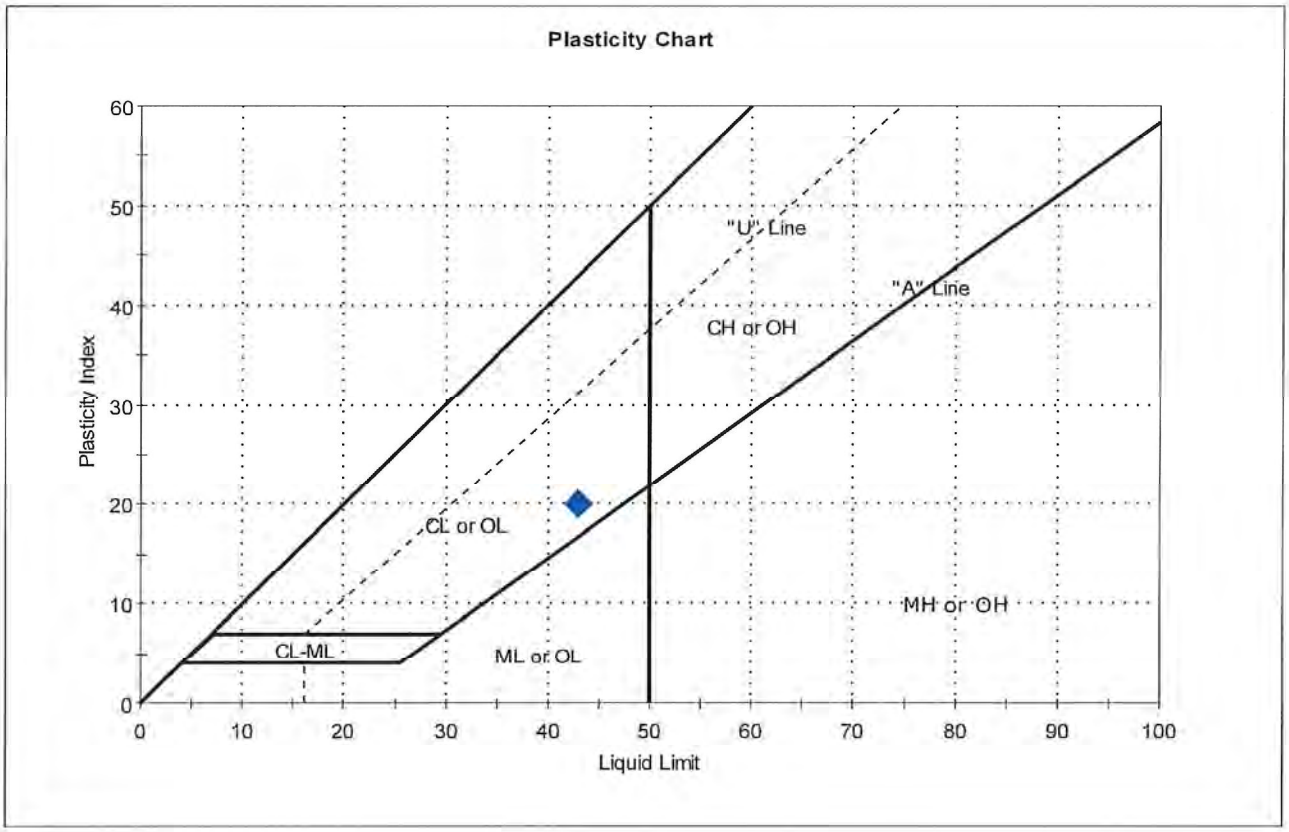
GeoTesting EXPRESS

Client:	AECOM				
Project:	Durham Meadow Water Main				
Location:	Durham, CT			Project No:	GTX-303489
Boring ID:	SB-15	Sample Type:	bag	Tested By:	cam
Sample ID:	SS-4	Test Date:	07/31/15	Checked By:	jdt
Depth :	15-17 ft	Test Id:	339581		
Test Comment:	---				
Visual Description:	Moist, reddish brown clay				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	SS-4	SB-15	15-17 ft	24	43	23	20	0.1	Lean clay (CL)

Sample Prepared using the WET method
1% Retained on #40 Sieve
Dry Strength: HIGH
Dilatancy: SLOW
Toughness: LOW

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FUGRO CONSULTANTS, INC.

6100 HILLCROFT
PHONE (713) 369-5400

HOUSTON, TEXAS 77081
FAX (713) 369-5518

RESULTS OF TESTS

PROJECT: DURHAM MEADOW WATER MAIN (GTX 303489)
SAMPLEID: SB-4, SS-2, 5 – 7'

FOR: GEOTESTING EXPRESS, INC.
125 NAGOG PARK ACTION, MA 01720

REPORTED TO: ETHAN MARRO

LAB NUMBER: 0728043

REPORT DATE: 07-28-15
CLIENT NUMBER:
JOB NUMBER: 04.1115-0003
REPORT NUMBER:
DATE SAMPLED:
TIME SAMPLED:
SAMPLED BY: CLIENT
DATE RECEIVED: 07-27-15
TIME RECEIVED: 0800
RECEIVED BY: SD

PARAMETER	RESULTS	UNITS	METHOD	TIME/DATE	ANALYST
Sulfate, Soluble	< 100 *	mg/kg	ASTM D-516 **	1000/07-28-15	SD
Chloride, Soluble	< 100 *	mg/kg	ASTM D-512 **	1100/07-28-15	SD

SO4CL 070-15

Respectfully submitted,

* Dry weight basis

Steve DeGregorio
Chemist

SD

** WATER EXTRACTION PERFORMED BY USING A 1:10 RATIO OF SAMPLE AND REAGENT WATER FOLLOWED BY CENTRIFUGE AND VACUUME FILTRATION. THE WATER EXTRACT IS THEN ANALYZED USING THE ASTM D-512 AND D-516 METHODS.

END OF REPORT

FUGRO CONSULTANTS, INC.

6100 HILLCROFT
PHONE (713) 369-5400

HOUSTON, TEXAS 77081
FAX (713) 369-5518

RESULTS OF TESTS

PROJECT:	DURHAM MEADOW WATER MAIN (GTX 303489) SAMPLEID: SB-13, SS-2, 5 – 7'	REPORT DATE:	07-28-15
		CLIENT NUMBER:	
		JOB NUMBER:	04.1115-0003
FOR:	GEOTESTING EXPRESS, INC. 125 NAGOG PARK ACTION, MA 01720	REPORT NUMBER:	
		DATE SAMPLED:	
		TIME SAMPLED:	
REPORTED TO:	ETHAN MARRO	SAMPLED BY:	CLIENT
		DATE RECEIVED:	07-27-15
		TIME RECEIVED:	0800
LAB NUMBER:	0728044	RECEIVED BY:	SD

PARAMETER	RESULTS	UNITS	METHOD	TIME/DATE	ANALYST
Sulfate, Soluble	< 100 *	mg/kg	ASTM D-516 **	1000/07-28-15	SD
Chloride, Soluble	< 100 *	mg/kg	ASTM D-512 **	1100/07-28-15	SD

SO4CL 070-15

Respectfully submitted,

* Dry weight basis

Steve DeGregorio
Chemist

SD

** WATER EXTRACTION PERFORMED BY USING A 1:10 RATIO OF SAMPLE AND REAGENT WATER FOLLOWED BY CENTRIFUGE AND VACUUME FILTRATION. THE WATER EXTRACT IS THEN ANALYZED USING THE ASTM D-512 AND D-516 METHODS.

END OF REPORT

ANALYTICAL REPORT

Lab Number:	L1516950
Client:	Geo Testing Express 125 Nagog Park Acton, MA 01720
ATTN:	Joe Tomei
Phone:	(978) 893-1241
Project Name:	DURHAM MEADOW WATER MAIN
Project Number:	303489
Report Date:	07/24/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489

Lab Number: L1516950
Report Date: 07/24/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1516950-01	SS-2, SB-13, 5-7FT	SOIL	DURHAM, CT	07/22/15 00:00	07/22/15
L1516950-02	SS-2, SB-4, 5-7FT	SOIL	DURHAM, CT	07/22/15 00:00	07/22/15

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489

Lab Number: L1516950
Report Date: 07/24/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lura L Troy

Lura L Troy

Title: Technical Director/Representative

Date: 07/24/15

INORGANICS
&
MISCELLANEOUS

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489
Lab Number: L1516950
Report Date: 07/24/15

SAMPLE RESULTS

Lab ID: L1516950-01
Client ID: SS-2, SB-13, 5-7FT
Sample Location: DURHAM, CT
Matrix: Soil

Date Collected: 07/22/15 00:00
Date Received: 07/22/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Oxidation/Reduction Potential	260		mv	-	NA	1	-	07/23/15 05:20	68,1498	LH

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489

Lab Number: L1516950
Report Date: 07/24/15

SAMPLE RESULTS

Lab ID: L1516950-02
Client ID: SS-2, SB-4, 5-7FT
Sample Location: DURHAM, CT
Matrix: Soil

Date Collected: 07/22/15 00:00
Date Received: 07/22/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Oxidation/Reduction Potential	260		mv	-	NA	1	-	07/23/15 05:20	68,1498	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489

Lab Number: L1516950
Report Date: 07/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-02		Batch: WG805223-1					
Oxidation/Reduction Potential	100		-		90-110	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489

Lab Number: L1516950
Report Date: 07/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG805223-2 QC Sample: L1516909-01 Client ID: DUP Sample						
Oxidation/Reduction Potential	260	260	mv	0		20

Project Name: DURHAM MEADOW WATER MAIN
Project Number: 303489

Lab Number: L1516950
Report Date: 07/24/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1516950-01A	Bag	A	N/A	4.0	Y	Absent	ORP-9045(1)
L1516950-02A	Bag	A	N/A	4.0	Y	Absent	ORP-9045(1)

*Values in parentheses indicate holding time in days

Project Name: DURHAM MEADOW WATER MAIN **Lab Number:** L1516950

Project Number: 303489 **Report Date:** 07/24/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name: DURHAM MEADOW WATER MAIN **Lab Number:** L1516950

Project Number: 303489 **Report Date:** 07/24/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	DURHAM MEADOW WATER MAIN	**Lab Number:**	L1516950
Project Number:	303489	**Report Date:**	07/24/15

REFERENCES

68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/22/15

ALPHA Job #: L1516950

Project Information

Project Name: Durham Meadow Water Main

Project Location: Durham, CT

Project #: 303489

Project Manager: Joe Tomei

ALPHA Quote #:

Client Information

Client: GeoTesting Express

Address: 125 Nagog Park

Acton, MA

Phone: 978.635.0424

Fax: 978.635.0266

Email: emarro@geotesting.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 7/27/15 Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

Oxidation-redux Potential

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Oxidation-redux Potential	Sample Specific Comments	TOTAL # BOTTLES
16950-01	SS-2, SB-13, 5-7 ft			soil		☒		1
-02	SS-2, SB-4, 5-7 ft			soil		☒		1
						☐		
						☐		
						☐		
						☐		
						☐		
						☐		
						☐		
						☐		

Container Type	B	B	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
	7/22/15 11am		7/22/15 1258
	7/22/15 1755		7/22/15 17:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(NJ) (rev. 5-JAN-12)

GeoTesting EXPRESS

SOIL CHAIN OF CUSTODY & TEST REQUEST

GeoTesting Express, Inc.
125 Nagog Park
Acton, MA 01720
800 434 1062 Toll Free
978 635 0266 Fax

2358 Perimeter Park Drive, Suite 320
Atlanta, GA 30341
770 645 6575 Tel
770 645 6570 Fax

www.geotesting.com

CLIENT		INVOICE (complete if different from Client)	
Company: AECOM		Company:	
Address: 701 EDGEWATER DRIVE		Address:	
City, State, Zip: WAKEFIELD, MA 01880		City, State, Zip:	
Contact: WEI SONG	Phone: 781.224.6092	Contact:	Phone:
E-mail: WEI.SONG@AECOM.COM	Cell:	E-mail:	Cell:

PROJECT		
Project Name: DURHAM MEADOWS WATER MAIN	Client Project #: 60275749 - RAC2 0060; Task 03	Purchase Order#:
Project Location: DURHAM, CT	GTX Sales Order #:	Requested Turnaround: STD.
On-site Contact:	E-mail:	Phone:

SOIL			Atterberg Limits (ASTM D 4318)	USCS – Classification (ASTM D 2487)	Grain Size: ASTM D 422 ☐ Sieve Only ☐ Sieve & Hydrometer ☐	Density: ASTM D 2937 ☐ ASTM D 7263 ☐	Moisture Content (ASTM D 2216)	Organic Content (ASTM D 2974)	pH (ASTM D 4972)	Specific Gravity (ASTM D 854)	Electrical Resistivity (ASTM G 57)	Proctor Compaction: Standard – ASTM D 698 ☐ Modified – ASTM D 1557 ☐	California Bearing Ratio * (ASTM D 1883)	Direct Shear* (ASTM D 3080)	Triaxial Shear*: UU – ASTM D 2850 ☐ CU – ASTM D 4767 ☐ CD – ASTM D7181 ☐	Incremental Consolidation* (ASTM D 2435)	Permeability/ Hydraulic Conductivity*: Fixed Wall – ASTM D 2434 ☐ Flexible Wall – ASTM D 5084 ☐	Unconfined Compression (ASTM D 2166)	Other:	Other:
Boring ID	Sample ID	Depth																			
	SEE ATTACHED TABLE																				

*Specify Test Conditions (Undisturbed or Remolded, Density and moisture, Test Normal Loads, Test Confining Stresses, etc.):

AUTHORIZE BY SIGNING AND DATING:

SIGNATURE: _____ PRINT NAME: Wei Song DATE: 7/20/15

For GTX Use Only
Incoming Sample Inspection Performed ☐
Adverse conditions:

Relinquished By:	DATE: 9/30/15	Received By:	DATE: 7/20/15
	TIME: 5:00 PM		TIME: 5:00
Relinquished By:	DATE:	Received By:	DATE:
	TIME:		TIME:

Dropped off w/more samples 7/21/15 after 4pm

Durham Meadow Water Main
Laboratory Testing - REVISED (July 21, 2015)

Boring	Sample ID	Depth (ft.)	Recovery	Index & Physical Testing			Corrosion Testing				
				Sieve (ASTM D422)	Sieve & Hydrometer (ASTM D422)	Atterberg Limits (ASTM D4318)	Chlorides (ASTM D512)	Elect. Resist. (ASTM G57)	Ox. Reduction (EPA)	pH (ASTM D4972)	Sulfates (ASTM D516)
SB-1	SS-2	5 - 7	9"	X							
SB-2	SS-3	10 - 12	22"		X	X					
SB-2	SS-5	20 - 22	9"		X						
SB-3	SS-2	5 - 7	1.1'	X							
SB-4	SS-2	5 - 7	0.6'				X		X		X
SB-4	SS-3	10 - 12	1.2'		X						
SB-5	SS-3	10 - 12	1.8'		X	X					
SB-7	SS-2	5 - 7	1.5'					X		X	
SB-7	SS-3	10 - 12	0.9'		X						
SB-8	SS-2	5 - 7	16"	X							
SB-8	SS-5	20 - 22	14"		X						
SB-9	SS-3	10 - 12	10"		X						
SB-9	SS-4	15 - 17	14"	X							
SB-10	SS-2	5 - 7	1.3'	X							
SB-11	SS-2	5 - 7	1.3'	X							
SB-12	SS-2	5 - 7	0.9'					X		X	
SB-12	SS-3	10 - 12	1.6'		X	X					
SB-13	SS-2	5 - 7	0.8'				X		X		X
SB-13	SS-3	10 - 12	1.4'		X	X					
SB-14	SS-2	5 - 7	0.7'	X							
SB-15	SS-4	15 - 17	1.9'		X	X					
			Quantity:	7	10	5	2	2	2	2	2
			Unit Price (GeoTesting Express):	$75	$135	$75	$65	$75	$90	$30	$65
			Cost:	$525	$1,350	$375	$130	$150	$180	$60	$130
			TOTAL COST:	**$2,900**							

GeoTesting EXPRESS

WARRANTY and LIABILITY

GeoTesting Express (GTX) warrants that all tests it performs are run in general accordance with the specified test procedures and accepted industry practice. GTX will correct or repeat any test that does not comply with this warranty. GTX has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GTX may report engineering parameters that require us to interpret the test data. Such parameters are determined using accepted engineering procedures. However, GTX does not warrant that these parameters accurately reflect the true engineering properties of the *in situ* material. Responsibility for interpretation and use of the test data and these parameters for engineering and/or construction purposes rests solely with the user and not with GTX or any of its employees.

GTX's liability will be limited to correcting or repeating a test which fails our warranty. GTX's liability for damages to the Purchaser of testing services for any cause whatsoever shall be limited to the amount GTX received for the testing services. GTX will not be liable for any damages, or for any lost benefits or other consequential damages resulting from the use of these test results, even if GTX has been advised of the possibility of such damages. GTX will not be responsible for any liability of the Purchaser to any third party.

Commonly Used Symbols

A	pore pressure parameter for $\Delta\sigma_1 - \Delta\sigma_3$
B	pore pressure parameter for $\Delta\sigma_3$
CIU	isotropically consolidated undrained triaxial shear test
CR	compression ratio for one dimensional consolidation
C_c	coefficient of curvature, $(D_{30})^2 / (D_{10} \times D_{60})$
C_u	coefficient of uniformity, D_{60}/D_{10}
C_c	compression index for one dimensional consolidation
C_α	coefficient of secondary compression
c_v	coefficient of consolidation
c	cohesion intercept for total stresses
c'	cohesion intercept for effective stresses
D	diameter of specimen
D_{10}	diameter at which 10% of soil is finer
D_{15}	diameter at which 15% of soil is finer
D_{30}	diameter at which 30% of soil is finer
D_{50}	diameter at which 50% of soil is finer
D_{60}	diameter at which 60% of soil is finer
D_{85}	diameter at which 85% of soil is finer
d_{50}	displacement for 50% consolidation
d_{90}	displacement for 90% consolidation
d_{100}	displacement for 100% consolidation
E	Young's modulus
e	void ratio
e_c	void ratio after consolidation
e_o	initial void ratio
G	shear modulus
G_s	specific gravity of soil particles
H	height of specimen
PI	plasticity index
i	gradient
K_o	lateral stress ratio for one dimensional strain
k	permeability
LI	Liquidity Index
m_v	coefficient of volume change
n	porosity
PI	plasticity index
P_c	preconsolidation pressure
p	$(\sigma_1 + \sigma_3) / 2$, $(\sigma_v + \sigma_h) / 2$
p'	$(\sigma'_1 + \sigma'_3) / 2$, $(\sigma'_v + \sigma'_h) / 2$
p'_c	p' at consolidation
Q	quantity of flow
q	$(\sigma_1 - \sigma_3) / 2$
q_f	q at failure
q_o, q_i	initial q
q_c	q at consolidation
S	degree of saturation
SL	shrinkage limit
s_u	undrained shear strength
T	time factor for consolidation
T	temperature
t	time
U, UC	unconfined compression test
UU, Q	unconsolidated undrained triaxial test
u_a	pore gas pressure
u_e	excess pore water pressure
u, u_w	pore water pressure
V	total volume
V_g	volume of gas
V_s	volume of solids
V_v	volume of voids
V_w	volume of water
V_o	initial volume
v	velocity
W	total weight
W_s	weight of solids
W_w	weight of water
w	water content
w_c	water content at consolidation
w_f	final water content
w_l	liquid limit
w_n	natural water content
w_p	plastic limit
w_s	shrinkage limit
w_o, w_i	initial water content
α	slope of q_f versus p_f
α'	slope of q_f versus p_f'
γ_t	total unit weight
γ_d	dry unit weight
γ_s	unit weight of solids
γ_w	unit weight of water
ε	strain
ε_{vol}	volume strain
ε_h, ε_v	horizontal strain, vertical strain
μ	Poisson's ratio, also viscosity
σ	normal stress
σ'	effective normal stress
σ_c, σ'_c	consolidation stress in isotropic stress system
σ_h, σ'_h	horizontal normal stress
σ_v, σ'_v	vertical normal stress
σ_1	major principal stress
σ_2	intermediate principal stress
σ_3	minor principal stress
τ	shear stress
φ	friction angle based on total stresses
φ'	friction angle based on effective stresses
φ'_r	residual friction angle
φ_{ult}	φ for ultimate strength

GEOTECHNICAL DATA REPORT

Geotechnical Subsurface Investigation
For the
Middletown Water Main Extension Project

WATER METER VAULT& BOOSTER PUMP STATION DESIGN

Durham Meadows Superfund Site
USEPA Contract No.: EP-S1-06-01
Task Order No. 72
AECOM Project No.: 60445033.13

October 2017

1.0 INTRODUCTION

The purpose of this Geotechnical Data Report (GDR) is to provide supporting data for the design and construction of a booster pump station and water meter vault. A pump station and meter vault will be built to augment the proposed Middletown to Durham water main extension. The proposed pump station and meter vault sites are located at 2083 and 2330 South Main Street in Middletown.

This GDR *does not* include data collected during earlier water main extension, Cherry Hill Storage Tank and Allyn Brook Crossing investigations.

2.0 SUBSURFACE INVESTIGATION

One test boring was drilled at each of the proposed facility sites. The test borings were conducted on September 27 and September 28, 2017 by General Boring of Prospect, Connecticut. The test borings were drilled into bedrock and ranged in depth from 20 to 23 feet. The test boring locations are shown in Figures 1 and 2 and the boring logs are provided in Attachment 1.

2.1 Utility Clearance

Each test boring location was hand cleared to a depth of five feet before the introduction of drilling equipment. The contractor also obtained utility clearances through *Call Before You Dig*.

2.2 Drilling and Sampling

The test borings were drilled using 3¼-inch ID hollow stem augers and 3-inch NW casing. Soil samples were collected at 5-foot intervals beginning at ground surface. Soil samples collected during the drilling program were logged and preserved by an AECOM geologist.

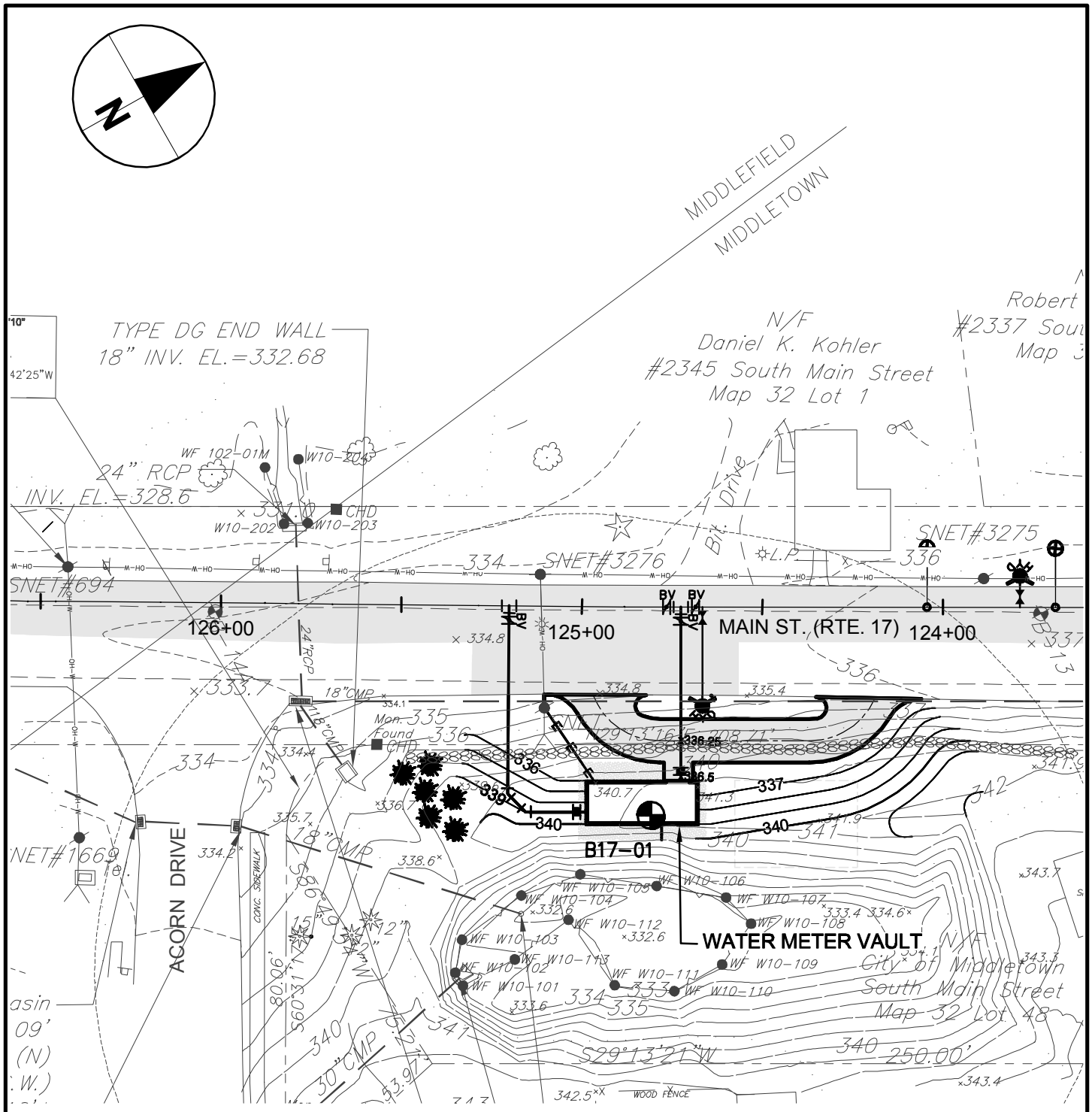
Bedrock was encountered and cored at each boring location. The boreholes were backfilled with soil cuttings or dry cement upon completion.

3.0 LABORATORY TESTING

Two soil samples collected during the subsurface investigation were submitted for grain size analyses. Two rock core samples were submitted for unconfined compressive strength testing. The soil and rock samples were tested by GeoTesting Express in Acton, Massachusetts. The geotechnical laboratory test report is provided in Attachment 2.

4.0 REPORT LIMITATIONS

Subsurface conditions will vary beyond a borehole's location and conditions at and beyond a borehole may change over time as a result of construction activity. Groundwater levels will fluctuate with precipitation, season, construction activities, run-off controls, and other factors. As a result, water levels during construction may vary from those observed during the investigation program.



PLAN

SCALE: 1" = 40'

0 40' 80'

BORING B17-01
COORDINATE LOCATION: N 741664.4 , E 1019876.2
ELEVATION: 341.1

AECOM

AECOM TECHNICAL SERVICES, INC.
250 APOLLO DRIVE
CHELMSFORD, MA 01824
PHONE: (978) 905-2100

SHEET REFERENCE
NONE

PROJECT
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD.

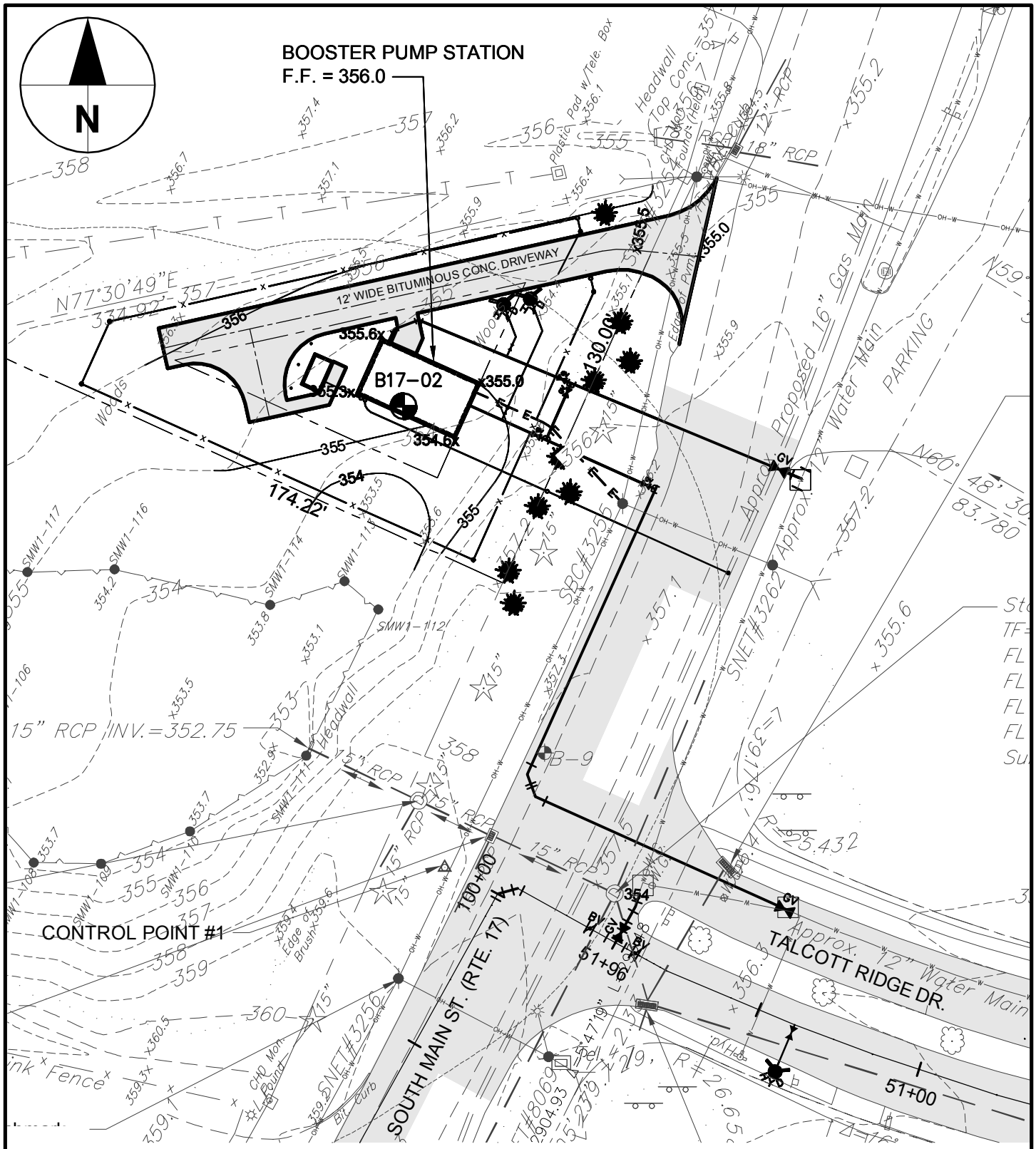
CLIENT
DURHAM AND MIDDLETOWN, CT.

PROJECT NUMBER
60445033-RAC2 072

DISCIPLINE CIVIL

SHEET TITLE BORING LOCATION PLAN I

SHEET NUMBER FIGURE 1



PLAN
SCALE: 1" = 40'

BORING B17-02
COORDINATE LOCATION: N 743999.8 , E 1021010.1
ELEVATION: 354.4

AECOM

AECOM TECHNICAL SERVICES, INC.
250 APOLLO DRIVE
CHELMSFORD, MA 01824
PHONE: (978) 905-2100

SHEET REFERENCE
NONE

PROJECT
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD.

CLIENT
DURHAM AND MIDDLETOWN, CT.

PROJECT NUMBER
60445033-RAC2 072

DISCIPLINE CIVIL

SHEET TITLE BORING LOCATION PLAN II

SHEET NUMBER FIGURE 2

ATTACHMENT 1

Test Boring Logs

Exploration Location

NORTHING: 741,664.4 **EASTING:** 1,019,876.2 **STATION:** _____ **OFFSET:** _____

HORIZONTAL DATUM: NAD 83 **INCLINATION FROM VERTICAL:** 0 degree

VERTICAL DATUM: NAVD88 **GROUND SURFACE ELEV. (FT):** 341.1

LOCATION: South Main Street **ESTIMATED/SURVEYED?:** Estimated

GEOLOGIC LOG

B17-01

Drilling Information

DATE START / END: 9/28/2017 - 9/28/2017 **TOTAL DEPTH (FT):** 20.1

CONTRACTOR: General Borings **DRILLER:** Paul Calabrese **LOGGED BY:** Kevin Harten

EQUIPMENT: Dietrich D-50 **EXPLORATION TYPE/METHOD:** 3.25-inch Hollow Stem Augers

AUGER ID/OD: 3.25 in. / 7 in. **CASING ID/OD:** N/A **CORE INFORMATION:** NX

HAMMER TYPE: Safety **HAMMER WEIGHT (lbs):** 140 **HAMMER DROP (inch):** 30

WATER LEVEL DEPTHS (ft): Not Encountered in Overburden

GENERAL NOTES: Borehole backfilled w/ cuttings and granular material

ABBREVIATIONS:
ID = Inside Diameter; OD = Outside Diameter; Pen. = Penetration Length; Rec. = Recovery Length
bpf = Blows per Foot; mpf = Minute per Foot; S = Sample
ST = Undisturbed Tube Sample; RC = Rock Core; FVS = Field Vane Shear; CBR = California Bearing Ratio
WOR = Weight of Rods; WOH = Weight of Hammer; RQD = Rock Quality Designation; PID = Photoionization Detector
Q_p = Pocket Penetrometer Strength; S_v = Pocket Torvane Shear Strength; F_v = Field Vane Shear Strength; NA, NM = Not Applicable, Not Measured

Depth (ft)	Elev. (ft)	Casing Pen. (bpf) or Core Rate (mpf)	SAMPLE INFORMATION: Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blows Count or RQD	Field/ Laboratory Test Data	GRAPHIC LOG	Sample Description & Classification	H_20 Depth	Remarks
			GRAB		0 to 5	60/60	Hand Ex.			FILL - dry, red brown SILT (ML), little fine to coarse sand, few fine to coarse gravel, few to occasional cobbles		Borehole hand cleared for utilities; no SPT samples were collected above 5 ft.
	340											
5			SS-1		5 to 6.5	18/4	13-23-91	Sieve & Hydrometer		Dry, red brown silty fine to coarse SAND with gravel (SM), little to some fines, little fine gravel		Suspect that the poor recovery and high blow counts of SS-1 are likely due to the driving of coarse gravel or a small cobble
	335											
10			SS-2		10 to 10.42	5/3	75/5"			Dry, red brown fine sandy SILT (ML) (Rock Flour)		Steady Auger Grinding below 10-feet
	330									-Probable Weathered or Soft Rock		

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

LOGGED BY (Consultant): AECOM

PROJECT NAME: Durham Meadows

CITY/STATE: Middletown, CT

AECOM PROJECT NUMBER: 60445033

AECOM

MASSDOT I-90 REV. 2 DURHAM MEADOWS_PROJECT.GPJ 10/25/17

Exploration Location

NORTHING: 741,664.4 **EASTING:** 1,019,876.2 **STATION:** _____ **OFFSET:** _____

HORIZONTAL DATUM: NAD 83 **INCLINATION FROM VERTICAL:** 0 degree

VERTICAL DATUM: NAVD88 **GROUND SURFACE ELEV. (FT):** 341.1

LOCATION: South Main Street **ESTIMATED/SURVEYED?:** Estimated

GEOLOGIC LOG

B17-01

Depth (ft)	Elev. (ft)	Casing Pen. (bpf) or Core Rate (mpf)	SAMPLE INFORMATION: Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blows Count or RQD	Field/ Laboratory Test Data	GRAPHIC LOG	Sample Description & Classification	H_20 Depth	Remarks
15	325	2 3 1 3 2	SS-3 RC-1		15 to 15.08 15.1 to 20.1	1/1 60/56	50/1" RQD = 52%	Unconfined Compression		Spoon Bouncing - recovered trace amounts of red brown ROCK FRAGMENTS with rock flour (silt) SANDSTONE: red brown, fine to coarse grained (mostly fine; coarse clasts to 3/4"), slightly weathered, hard with occasional thin soft layers (to 1-in.), horizontal to low angle bedding and jointing, few moderate angle joints (45 to 60 deg.), joints closely to moderately spaced and silt coated		
20	320									End of Boring at 20.1 feet		
25	315											
30	310											

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

LOGGED BY (Consultant): AECOM

PROJECT NAME: Durham Meadows

CITY/STATE: Middletown, CT

AECOM PROJECT NUMBER: 60445033

AECOM

MASSDOT I-90 REV. 2 DURHAM MEADOWS_PROJECT.GPJ 10/25/17

Exploration Location

NORTHING: 743,999.8 **EASTING:** 1,021,010.1 **STATION:** _____ **OFFSET:** _____

HORIZONTAL DATUM: NAD 83 **INCLINATION FROM VERTICAL:** 0 degree

VERTICAL DATUM: NAVD88 **GROUND SURFACE ELEV. (FT):** 354.4

LOCATION: South Main Street **ESTIMATED/SURVEYED?:** Estimated

GEOLOGIC LOG

B17-02

Drilling Information

DATE START / END: 9/27/2017 - 9/27/2017 **TOTAL DEPTH (FT):** 22.8

CONTRACTOR: General Borings **DRILLER:** Paul Calabrese **LOGGED BY:** Kevin Harten

EQUIPMENT: Dietrich D-50 **EXPLORATION TYPE/METHOD:** 3.25-inch HSAs & NW Casing

AUGER ID/OD: 3.25 in. / 7 in. **CASING ID/OD:** 3 in. **CORE INFORMATION:** NX

HAMMER TYPE: Safety **HAMMER WEIGHT (lbs):** 140 **HAMMER DROP (inch):** 30

WATER LEVEL DEPTHS (ft): Indeterminate - possible water @ 8 ft. below grade

GENERAL NOTES: Borehole backfilled w/ cuttings and dry grout

ABBREVIATIONS:
ID = Inside Diameter; OD = Outside Diameter; Pen. = Penetration Length; Rec. = Recovery Length
bpf = Blows per Foot; mpf = Minute per Foot; S = Sample
ST = Undisturbed Tube Sample; RC = Rock Core; FVS = Field Vane Shear; CBR = California Bearing Ratio
WOR = Weight of Rods; WOH = Weight of Hammer; RQD = Rock Quality Designation; PID = Photoionization Detector
Q_p = Pocket Penetrometer Strength; S_v = Pocket Torvane Shear Strength; F_v = Field Vane Shear Strength; NA, NM = Not Applicable, Not Measured

Depth (ft)	Elev. (ft)	Casing Pen. (bpf) or Core Rate (mpf)	SAMPLE INFORMATION: Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blows Count or RQD	Field/ Laboratory Test Data	GRAPHIC LOG	Sample Description & Classification	H_20 Depth	Remarks
			GRAB		0 to 5	60/60	Hand Ex.			Dry, red brown SILT with fine sand (ML), little to few fine to coarse gravel, occasional cobbles		Borehole hand cleared for utilities; no SPT samples were collected above 5 ft.
										Materials coarsen with depth to a red brown silty gravelly fine to coarse SAND (SM), little fines, few cobbles		
	350											
5			SS-1		5 to 7	24/20	18-19-41-46	Sieve & Hydrometer		Damp, well graded, red brown silty fine to coarse SAND with gravel (SM), some fine to coarse gravel, little to few fines		
												Steady Auger Grind below 7 ft. (possible weathered rock) Steam emanating from borehole @ 8 ft. (moisture from phreatic zone??)
	345											
10			SS-2		10 to 10.08	1/0	60/1"			No Recovery - spoon bouncing		Hard Auger Grind @ 10'1"
												Spin NW casing to ~11 ft.
		2	RC-1		12.75 to 17.75	60/60	RQD = 75%	Unconfined Compression		SANDSTONE: red brown, fine to coarse grained (clasts to 1.5"), hard, fresh to slightly weathered, moderately spaced horizontal to low angle bedding (0 to 10 deg.), jointing vs. mechanical		
		2										

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

LOGGED BY (Consultant): AECOM

PROJECT NAME: Durham Meadows

CITY/STATE: Middletown, CT

AECOM PROJECT NUMBER: 60445033

AECOM

MASSDOT I-90 REV. 2 DURHAM MEADOWS_PROJECT.GPJ 10/25/17

Exploration Location

NORTHING: 743,999.8 **EASTING:** 1,021,010.1 **STATION:** _____ **OFFSET:** _____

HORIZONTAL DATUM: NAD 83 **INCLINATION FROM VERTICAL:** 0 degree

VERTICAL DATUM: NAVD88 **GROUND SURFACE ELEV. (FT):** 354.4

LOCATION: South Main Street **ESTIMATED/SURVEYED?:** Estimated

GEOLOGIC LOG

B17-02

Depth (ft)	Elev. (ft)	Casing Pen. (bpf) or Core Rate (mpf)	SAMPLE INFORMATION: Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blows Count or RQD	Field/ Laboratory Test Data	GRAPHIC LOG	Sample Description & Classification	H_20 Depth	Remarks
	340									breakage largely indeterminate, silt coated joint(s)		
15		3										
		2										
		3										
		2	RC-2		17.75 to 22.75	60/60	RQD = 88%			Red brown SANDSTONE, as above		
		2										
	335											
20		2										
		2										
		3										
										End of Boring at 22.75 feet		
	330											
25												
	325											
30												

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

LOGGED BY (Consultant): AECOM

PROJECT NAME: Durham Meadows

CITY/STATE: Middletown, CT

AECOM PROJECT NUMBER: 60445033

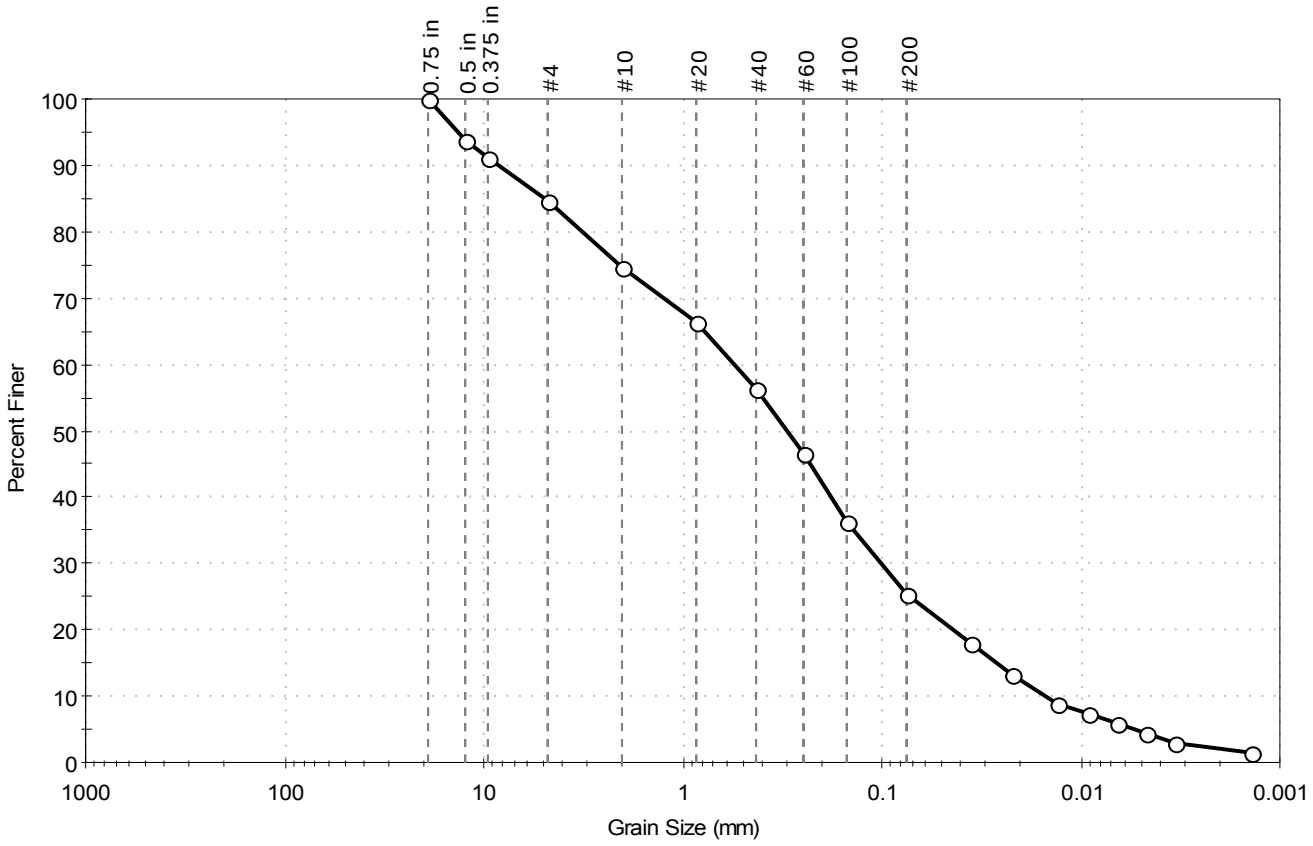
AECOM

ATTACHMENT 2

Geotechnical Laboratory Test Report

Client:	AECOM				
Project:	Durham Meadows-Booster Station				
Location:	Durham, CT			Project No:	GTX-307127
Boring ID:	B17-01	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-1	Test Date:	10/13/17	Checked By:	emm
Depth :	5-6.5 ft	Test Id:	427687		
Test Comment:	---				
Visual Description:	Moist, light reddish brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	15.2	59.3	25.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	94		
0.375 in	9.50	91		
#4	4.75	85		
#10	2.00	75		
#20	0.85	66		
#40	0.42	56		
#60	0.25	47		
#100	0.15	36		
#200	0.075	25		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0362	18		
---	0.0221	13		
---	0.0133	9		
---	0.0092	7		
---	0.0066	6		
---	0.0047	4		
---	0.0034	3		
---	0.0014	1		

Coefficients

D_{85} = 4.8993 mm	D_{30} = 0.1004 mm
D_{60} = 0.5506 mm	D_{15} = 0.0264 mm
D_{50} = 0.3020 mm	D_{10} = 0.0150 mm
C_u = 36.707	C_c = 1.221

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Dispersion Device : Apparatus A - Mech Mixer

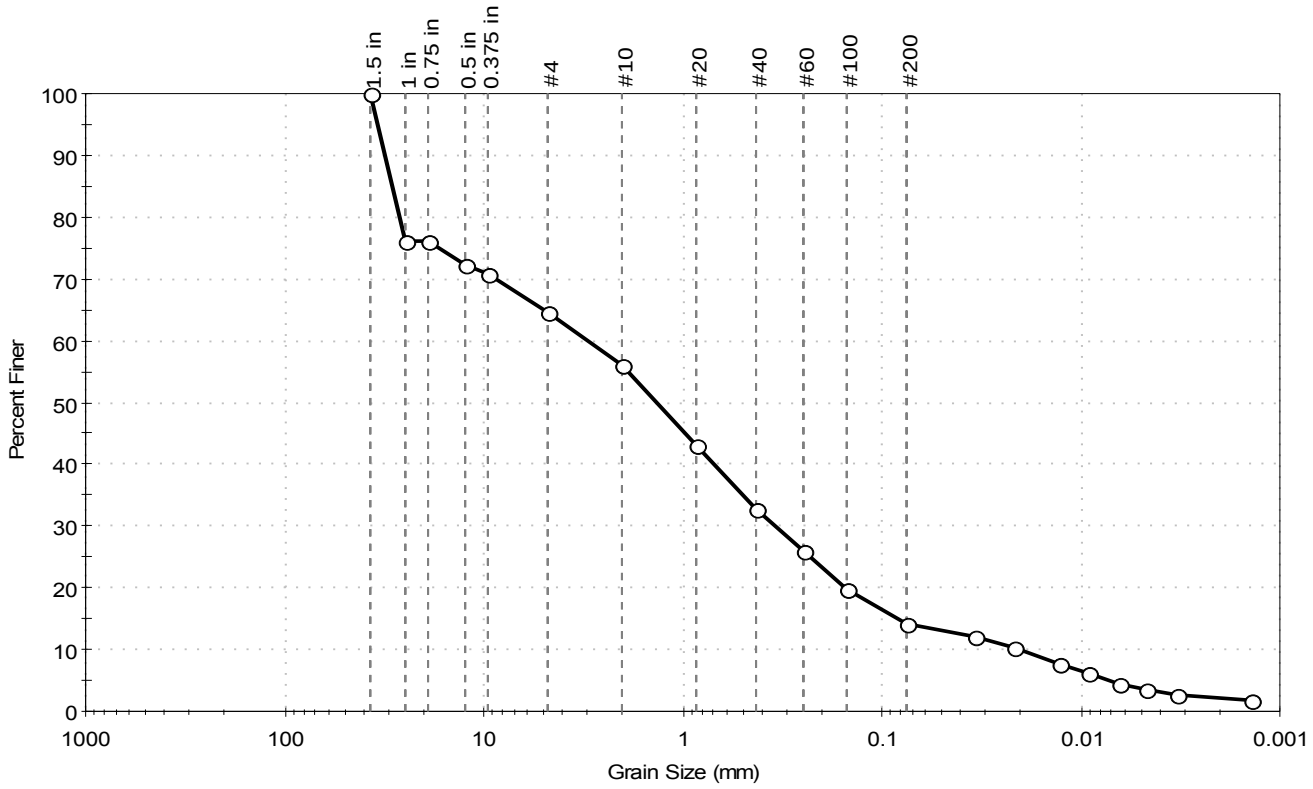
Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

Client:	AECOM				
Project:	Durham Meadows-Booster Station				
Location:	Durham, CT			Project No:	GTX-307127
Boring ID:	B17-02	Sample Type:	jar	Tested By:	jbr
Sample ID:	SS-1	Test Date:	10/13/17	Checked By:	emm
Depth :	5-7 ft	Test Id:	427688		
Test Comment:	---				
Visual Description:	Moist, reddish brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	35.3	50.5	14.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1 in	25.00	76		
0.75 in	19.00	76		
0.5 in	12.50	72		
0.375 in	9.50	71		
#4	4.75	65		
#10	2.00	56		
#20	0.85	43		
#40	0.42	33		
#60	0.25	26		
#100	0.15	20		
#200	0.075	14		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0340	12		
---	0.0219	10		
---	0.0129	8		
---	0.0092	6		
---	0.0064	4		
---	0.0047	3		
---	0.0033	3		
---	0.0014	2		

Coefficients

D_{85} = 29.0863 mm
D_{30} = 0.3424 mm
D_{60} = 2.9485 mm
D_{15} = 0.0825 mm
D_{50} = 1.3414 mm
D_{10} = 0.0203 mm
C_u = 145.246
C_c = 1.959

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Specific Gravity : 2.65

Separation of Sample: #200 Sieve

Client:	AECOM				
Project:	Durham Meadows-Booster Station				
Location:	Durham, CT			Project No:	GTX-307127
Boring ID:	---	Sample Type:	---	Tested By:	rlc
Sample ID:	---	Test Date:	10/12/17	Checked By:	jsc
Depth :	---	Test Id:	428019		

Bulk Density and Compressive Strength of Rock Core Specimens by ASTM D7012 Method C

Boring ID	Sample Number	Depth	Bulk Density, pcf	Compressive strength, psi	Failure Type	Meets ASTM D4543	Note(s)
B17-01	RC-1	15.1-20.1 ft	158	8578	1	No	3,*
B17-02	RC-1	12.75-17.75 ft	155	5619	1	Yes	---

Notes: Density determined on core samples by measuring dimensions and weight and then calculating.

All specimens tested at the approximate as-received moisture content and at standard laboratory temperature.

The axial load was applied continuously at a stress rate that produced failure in a test time between 2 and 15 minutes.

Failure Type: 1 = Intact Material Failure; 2 = Discontinuity Failure; 3 = Intact Material and Discontinuity Failure (See attached photographs)

1: Best effort end preparation. See Tolerance report for details.
2: The as-received core did not meet the ASTM side straightness tolerance due to irregularities in the sample as cored.
3: Specimen L/D < 2.
4: The as-received core did not meet the ASTM minimum diameter tolerance of 1.875 inches.
5: Specimen diameter is less than 10 times maximum particle size.
6: Specimen diameter is less than 6 times maximum particle size.

*Because the indicated tested specimens did not meet the ASTM D4543 standard tolerances, the results reported here may differ from those for a test specimen within tolerances.

Client:	AECOM	Test Date:	10/12/2017
Project Name:	Durham Meadows- Booster Station	Tested By:	trm/rlc
Project Location:	Durham , CT	Checked By:	jsc
GTX #:	307127		
Boring ID:	B-17-01		
Sample ID:	RC-1		
Depth:	15.1-20.1 ft		
Visual Description:	See photographs		

UNIT WEIGHT DETERMINATION AND DIMENSIONAL AND SHAPE TOLERANCES OF ROCK CORE SPECIMENS BY ASTM D4543

BULK DENSITY

	1	2	Average
Specimen Length, in:	3.38	3.39	3.39
Specimen Diameter, in:	1.96	1.96	1.96
Specimen Mass, g:	423.28		
Bulk Density, lb/ft^3	158	**Minimum Diameter Tolerence Met?**	YES
Length to Diameter Ratio:	1.7	**Length to Diameter Ratio Tolerance Met?**	NO

DEVIATION FROM STRAIGHTNESS (Procedure S1)

Maximum gap between side of core and reference surface plate:
Is the maximum gap ≤ 0.02 in.? YES

Maximum difference must be < 0.020 in.
Straightness Tolerance Met? YES

END FLATNESS AND PARALLELISM (Procedure FP1)

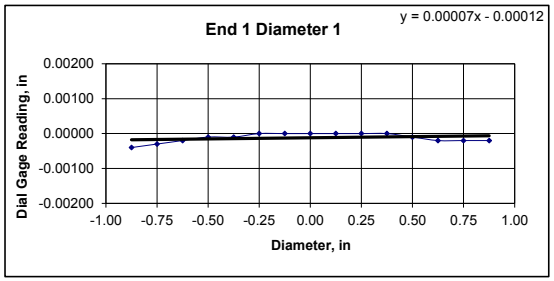
END 1	-0.875	-0.750	-0.625	-0.500	-0.375	-0.250	-0.125	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
Diameter 1, in	-0.00040	-0.00030	-0.00020	-0.00010	-0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	-0.00010	-0.00020	-0.00020	-0.00020
Diameter 2, in (rotated 90°)	0.00020	0.00020	0.00020	0.00010	0.00010	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	-0.00010	-0.00010	-0.00020	-0.00030

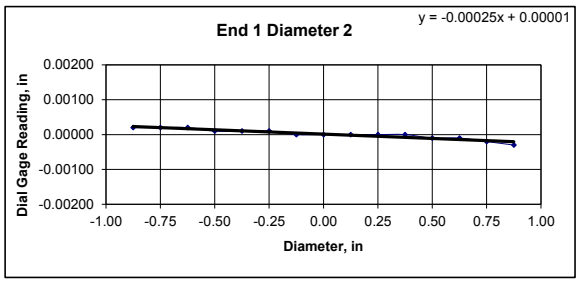
Difference between max and min readings, in:
0° = 0.00040 90° = 0.00050

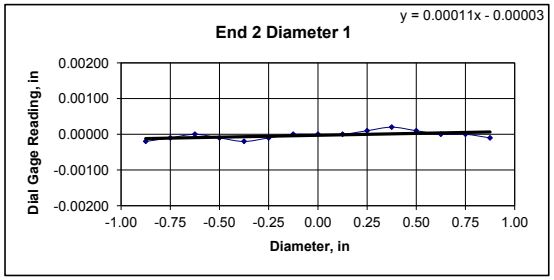
END 2	-0.875	-0.750	-0.625	-0.500	-0.375	-0.250	-0.125	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
Diameter 1, in	-0.00020	-0.00010	0.00000	-0.00010	-0.00020	-0.00010	0.00000	0.00000	0.00000	0.00010	0.00020	0.00010	0.00000	0.00000	-0.00010
Diameter 2, in (rotated 90°)	-0.00050	-0.00040	-0.00030	-0.00020	-0.00010	0.00000	0.00000	0.00000	0.00010	0.00020	0.00020	0.00020	0.00010	0.00000	0.00000

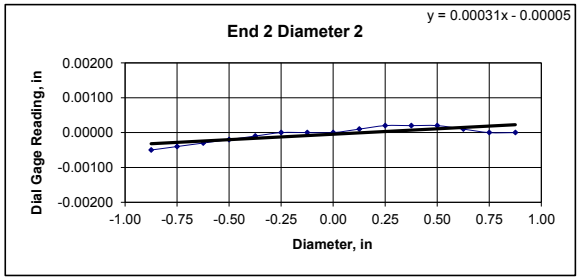
Difference between max and min readings, in:
0° = 0.0004 90° = 0.0007

Maximum difference must be < 0.0020 in. Difference = ± 0.00035
Flatness Tolerance Met? YES









DIAMETER 1

End 1:
Slope of Best Fit Line 0.00007
Angle of Best Fit Line: 0.00401

End 2:
Slope of Best Fit Line 0.00011
Angle of Best Fit Line: 0.00630

Maximum Angular Difference: 0.00229

Parallelism Tolerance Met? YES
Spherically Seated

DIAMETER 2

End 1:
Slope of Best Fit Line 0.00025
Angle of Best Fit Line: 0.01432

End 2:
Slope of Best Fit Line 0.00031
Angle of Best Fit Line: 0.01776

Maximum Angular Difference: 0.00344

Parallelism Tolerance Met? YES
Spherically Seated

PERPENDICULARITY (Procedure P1) (Calculated from End Flatness and Parallelism measurements above)

END 1	Difference, Maximum and Minimum (in.)	Diameter (in.)	Slope	Angle°	Perpendicularity Tolerance Met?
Diameter 1, in	0.00040	1.960	0.00020	0.012	YES
Diameter 2, in (rotated 90°)	0.00050	1.960	0.00026	0.015	YES
END 2					
Diameter 1, in	0.00040	1.960	0.00020	0.012	YES
Diameter 2, in (rotated 90°)	0.00070	1.960	0.00036	0.020	YES

Maximum angle of departure must be ≤ 0.25°
Perpendicularity Tolerance Met? YES

Client:	AECOM
Project Name:	Durham Meadows- Booster Station
Project Location:	Durham , CT
GTX #:	307127
Test Date:	10/12/2017
Tested By:	rlc
Checked By:	jsc
Boring ID:	B-17-01
Sample ID:	RC-1
Depth, ft:	15.1-20.1

After cutting and grinding

After break

Client:	AECOM	Test Date:	10/11/2017
Project Name:	Durham Meadows- Booster Station	Tested By:	rlc
Project Location:	Durham , CT	Checked By:	jsc
GTX #:	307127		
Boring ID:	B-17-02		
Sample ID:	RC-1		
Depth:	12.75-17.75 ft		
Visual Description:	See photographs		

UNIT WEIGHT DETERMINATION AND DIMENSIONAL AND SHAPE TOLERANCES OF ROCK CORE SPECIMENS BY ASTM D4543

BULK DENSITY

	1	2	Average
Specimen Length, in:	4.07	4.07	4.07
Specimen Diameter, in:	1.98	1.97	1.98
Specimen Mass, g:	509.69		
Bulk Density, lb/ft^3	155	**Minimum Diameter Tolerence Met?**	YES
Length to Diameter Ratio:	2.1	**Length to Diameter Ratio Tolerance Met?**	YES

DEVIATION FROM STRAIGHTNESS (Procedure S1)

Maximum gap between side of core and reference surface plate:
Is the maximum gap ≤ 0.02 in.? YES

Maximum difference must be < 0.020 in.
Straightness Tolerance Met? YES

END FLATNESS AND PARALLELISM (Procedure FP1)

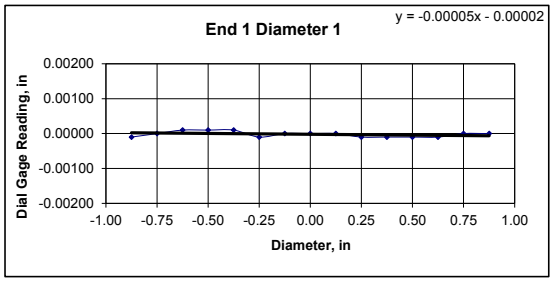
END 1	-0.875	-0.750	-0.625	-0.500	-0.375	-0.250	-0.125	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
Diameter 1, in	-0.00010	0.00000	0.00010	0.00010	0.00010	-0.00010	0.00000	0.00000	0.00000	-0.00010	-0.00010	-0.00010	-0.00010	0.00000	0.00000
Diameter 2, in (rotated 90°)	-0.00030	-0.00030	-0.00020	-0.00020	-0.00010	0.00000	0.00000	0.00000	0.00000	0.00010	0.00020	0.00030	0.00040	0.00040	0.00040

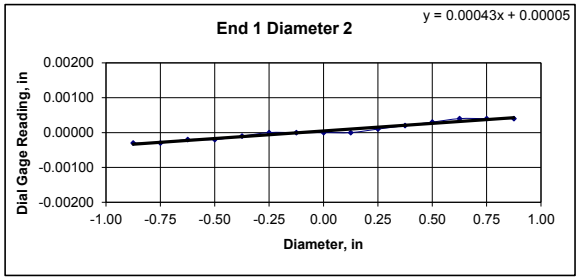
Difference between max and min readings, in:
0° = 0.00020 90° = 0.00070

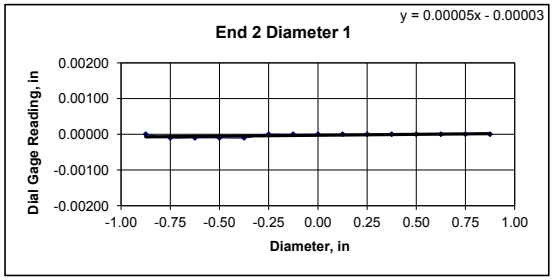
END 2	-0.875	-0.750	-0.625	-0.500	-0.375	-0.250	-0.125	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
Diameter 1, in	0.00000	-0.00010	-0.00010	-0.00010	-0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Diameter 2, in (rotated 90°)	0.00040	0.00040	0.00030	0.00020	0.00010	0.00010	0.00000	0.00000	0.00000	0.00000	-0.00010	-0.00010	-0.00020	-0.00020	-0.00030

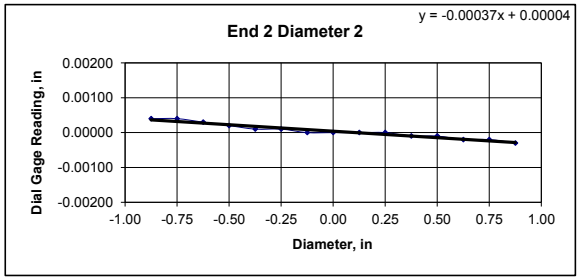
Difference between max and min readings, in:
0° = 0.0001 90° = 0.0007

Maximum difference must be < 0.0020 in. Difference = ± 0.00035
Flatness Tolerance Met? YES









DIAMETER 1

End 1:
Slope of Best Fit Line 0.00005
Angle of Best Fit Line: 0.00286

End 2:
Slope of Best Fit Line 0.00005
Angle of Best Fit Line: 0.00286

Maximum Angular Difference: 0.00000

Parallelism Tolerance Met? YES
Spherically Seated

DIAMETER 2

End 1:
Slope of Best Fit Line 0.00043
Angle of Best Fit Line: 0.02464

End 2:
Slope of Best Fit Line 0.00037
Angle of Best Fit Line: 0.02120

Maximum Angular Difference: 0.00344

Parallelism Tolerance Met? YES
Spherically Seated

PERPENDICULARITY (Procedure P1) (Calculated from End Flatness and Parallelism measurements above)

END 1	Difference, Maximum and Minimum (in.)	Diameter (in.)	Slope	Angle°	Perpendicularity Tolerance Met?
Diameter 1, in	0.00020	1.975	0.00010	0.006	YES
Diameter 2, in (rotated 90°)	0.00070	1.975	0.00035	0.020	YES
END 2					
Diameter 1, in	0.00010	1.975	0.00005	0.003	YES
Diameter 2, in (rotated 90°)	0.00070	1.975	0.00035	0.020	YES

Maximum angle of departure must be ≤ 0.25°
Perpendicularity Tolerance Met? YES

Client:	AECOM
Project Name:	Durham Meadows- Booster Station
Project Location:	Durham , CT
GTX #:	307127
Test Date:	10/12/2017
Tested By:	rlc
Checked By:	jsc
Boring ID:	B-17-02
Sample ID:	RC-1
Depth, ft:	12.75-17.75

After cutting and grinding

After break

APPENDIX B

Water Service Work on Private Property

Details by Address

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Durham Meadows Waterline RD
Summary of All Properties within EPA Contract No. EP-S1-06-01

Drawing	Town Assessor's Map Number	Address	Residential, Commercial or Undeveloped	Water Service to Curb Stop only	Water Service Installation (Including Meter)	Meter Pit Required	Well to be Abandoned
Durham							
C-13	16	472 Main Street	Retail	Yes	No	No	No
C-13	16	475 Main Street	Residential	Yes	No	No	No
C-13	16	478R Main Street	Residential	Yes	No	No	No
C-13	6	484 Main Street	Residential	Yes	No	No	No
C-13	6	490 Main Street	Residential	Yes	No	No	No
C-13	6	514 Main Street (See Middlefield below)	Undeveloped	Yes	No	No	No
C-13	6	112 Oak Terrace	Residential	Yes	No	No	No
C-13	6	136 Oak Terrace	Residential	Yes	No	No	No
C-13	6	7 Royal Oak Drive	Residential	Yes	No	No	No
C-13	6	12 Royal Oak Drive	Residential	Yes	No	No	No
C-13	6	18R Packinghouse Hill Road	Residential	Yes	No	No	No
C-15	27	363 Main Street (service on Haddam Qtr Rd)	Commercial	Yes	No	No	No
C-15	27	376 Main Street	Commercial	Yes	No	No	No
C-15	16	384 Main Street [1]	Commercial	Yes	No	No	No
C-15	16	385 Main Street [1]	Residential	Yes	No	No	No
C-15	16	391 Main Street [1]	Residential	Yes	No	No	No
C-15	16	395 Main Street [1]	Residential	Yes	No	No	No
C-15	16	397 Main Street [1]	Residential	Yes	No	No	No
C-15	16	407 Main Street [1]	Residential	Yes	No	No	No
C-15	16	413 Main Street [1]	Residential	Yes	No	No	No
C-15	16	417 Main Street [1]	Residential	Yes	No	No	No
C-15	16	422 Main Street [1]	Commercial	Yes	No	No	No
C-15	16	423 Main Street [1]	Residential	Yes	No	No	No
C-15	16	425 Main Street	Residential	Yes	No	No	No
C-15	16	428 Main Street	Commercial	Yes	No	No	No
C-15	16	431 Main Street	Residential	Yes	No	No	No
C-15	16	435 Main Street	Residential	Yes	No	No	No
C-15	16	437 Main Street	Residential	Yes	No	No	No
C-15	16	441 Main Street	Residential	Yes	No	No	No
C-15	16	447 Main Street	Residential	Yes	No	No	No
C-15	16	448 Main Street	Commercial	Yes	No	No	No
C-15	16	454 Main Street	Commercial	Yes	No	No	No
C-15	16	457 Main Street	Residential	Yes	No	No	No
C-15	16	459 Main Street	Residential	Yes	No	No	No
C-15	16	460 Main Street	Residential	Yes	No	No	No
C-15	16	465 Main Street	Residential	Yes	No	No	No
C-15	27	Map 27, Lot 17	Undeveloped	Yes	No	No	No
C-15	16	Map 16, Lot 2 [1]	Undeveloped	Yes	No	No	No
C-15	16	Map 16, Lot 14	Undeveloped	Yes	No	No	No
C-15	16	13 Middlefield Road [1]	Residential	Yes - 2	No	No	No
C-15	16	35 Winsome Road [1]	Commercial	Yes	No	No	No
C-17	27	313 Main Street	Residential	No	Yes	No	Yes - 2
C-17	27	316 Main Street	Residential	No	Yes	No	Yes
C-17	27	321 Main Street	Commercial	No	Yes	No	Yes
C-17	27	322 Main Street	Residential	No	Yes	No	Yes
C-17	27	325 Main Street	Commercial	No	Yes	No	Yes
C-17	27	327 Main Street	Commercial	Yes	No	No	No
C-17	27	328 Main Street (service on Talcott La.)	Residential	Yes	No	No	No
C-17	27	336 Main Street	Commercial	Yes	No	No	No
C-17	27	339 Main Street	Commercial	Yes	No	No	No
C-17	27	349 Main Street	Commercial	Yes	No	No	No
C-17	27	350 Main Street	Commercial	Yes - 3	No	No	No
C-17	27	357 Main Street	Commercial	Yes	No	No	No
C-17	27	360 Main Street	Commercial	Yes	No	No	No
C-19	38	257 Main Street	Residential	No	Yes	No	Yes
C-19	38	261 Main Street	Residential	No	Yes	Yes	Yes
C-19	38	262 Main Street	Residential	No	Yes	No	Yes
C-19	38	265 Main Street	Residential	No	Yes	No	Yes
C-19	38	267 Main Street	Residential	No	Yes	No	Yes
C-19	38	268 Main Street	Residential	No	Yes	No	Yes
C-19	38	271 Main Street	Residential	No	Yes	No	Yes
C-19	38	272 Main Street	Commercial	No	Yes	No	Yes
C-19	38	275 Main Street [2]	Residential	No	Yes	No	No
C-19	38	280 Main Street	Commercial	No	Yes	Yes	Yes
C-19	38	281R Main Street	Undeveloped	Yes	No	No	No
C-19	27	281 Main Street	Undeveloped	Yes	No	No	No
C-19	27	289 Main Street	Residential	No	Yes	No	Yes
C-19	27	293 Main Street	Residential	No	Yes	No	Yes
C-19	27	297 Main Street	Residential	No	Yes	No	Yes

Durham Meadows Waterline RD
Summary of All Properties within EPA Contract No. EP-S1-06-01

Drawing	Town Assessor's Map Number	Address	Residential, Commercial or Undeveloped	Water Service to Curb Stop only	Water Service Installation (Including Meter)	Meter Pit Required	Well to be Abandoned
C-19	38	298 Main Street [3]	Residential	Yes	Yes	No	Yes
C-19	27	303 Main Street	Residential	No	Yes	No	Yes
C-19	27	305R Main Street	Residential	No	Yes	Yes	Yes
C-19	27	307 Main Street	Residential	No	Yes	No	Yes
C-19	38	308 Main Street	Residential	No	Yes	No	Yes
C-19	38	312 Main Street	Residential	No	Yes	No	Yes
C-21	38	205 Main Street	Commercial	No	Yes	No	Yes
C-21	38	203R Main Street [4]	Commercial	No	Yes	Yes	2; Convert 1 to Monitoring Well
C-21	38	208 Main Street	Residential	No	Yes	No	Yes
C-21	38	215 Main Street	Residential	No	Yes	No	Yes
C-21	38	216 Main Street	Residential	No	Yes	No	Yes
C-21	38	220 Main Street	Residential	No	Yes	No	Yes
C-21	38	227 Main Street	Residential	No	Yes	No	Yes
C-21	38	228 Main Street	Commercial	No	Yes	No	Yes
C-21	38	228R Main Street	Commercial	No	Yes	No	Shares well at 228 Main
C-21	38	233 Main Street	Residential	No	Yes	No	Yes
C-21	38	235 Main Street	Residential	No	Yes	No	Shares well at 233 main
C-21	38	236 Main Street	Commercial	No	Yes	No	Yes
C-21	38	238 Main Street	Commercial	No	Yes	No	Yes
C-21	38	239 Main Street	Residential	No	Yes	No	Yes
C-21	38	242 Main Street	Residential	No	Yes	No	Yes
C-21	38	243 Main Street	Commercial	No	Yes	No	Yes
C-21	38	246 Main Street	Residential	No	Yes	No	Yes
C-21	38	248 Main Street	Residential	No	Yes	No	Yes
C-21	38	252 Main Street	Residential	No	Yes	No	Yes
C-21	38	253 Main Street	Residential	No	Yes	No	Yes
C-21	38	256 Main Street	Residential	No	Yes	No	Yes
C-21	38	Map 38 Lot 24 Main Street	Undeveloped	Yes	No	No	No
C-21	38	11 Maiden	Residential	No	Yes	No	Yes
C-21	38	17 Maiden	Residential	No	Yes	No	Yes
C-23	48	167 Main Street	Residential	No	Yes	No	Yes
C-23	48	168 Main Street	Residential	No	Yes	No	Yes
C-23	48	174 Main Street	Undeveloped [5]	Yes	No	No	Yes
C-23	48	175R Main Street	Residential	No	Yes	Yes	Yes
C-23	48	176 Main Street	Residential	No	Yes	No	Yes
C-23	48	177R Main Street	Residential	No	Yes	No	Yes
C-23	38	186 Main Street	Residential	No	Yes	No	Yes
C-23	38	188 Main Street	Residential	No	Yes	No	Yes
C-23	38	196 Main Street	Commercial	No	Yes	Yes	Yes
C-23	38	199 Main Street	Commercial	No	Yes	No	No
C-23	38	201 Main Street	Commercial	No	Yes	No	No
C-23	38	202 Main Street	Residential	No	Yes	No	Yes
C-23	48	Map 48 Lot 31 Main Street	Undeveloped	Yes	No	No	No
C-25	48	119 Main Street	Residential	No	Yes	No	Yes
C-25	48	120 Main Street	Residential	No	Yes	No	Yes
C-25	48	127 Main Street	Residential	No	Yes	No	Yes
C-25	48	128 Main Street	Residential	No	No	No	No
C-25	48	133 Main Street	Residential	No	No	No	No
C-25	48	151R Main Street	Residential	No	Yes	Yes	No [6]
C-25	48	153 Main Street	Residential	No	Yes	No	Yes
C-25	48	Mill Pond Road	Residential	No	No	No	3 Total: Yes 2, Convert 1 [4]
C-27	48	22 John's Way	Residential	No	No	No	No
C-27	48	7 Maple Avenue	Residential	No	No	No	Yes
C-27	48	13 Maple Avenue	Residential	No	Yes	No	Yes - 2
C-27	48	29 Maple Avenue	Residential	No	Yes	No	Yes
C-27	48	41 Maple Avenue	Residential	No	No	No	Yes
C-27	48	10 John's Way	Residential	No	Yes	Yes	Yes
C-27	48	17 John's Way	Residential	No	No	No	Yes
C-27	48	30 Town House Road	Commercial	No	No	No	Yes - 2
C-27/M-111	48	Map 48, Lot 6 (Durham Fairgrounds)	Commercial	No	No	No	2 Total: Yes 1, Convert 1 [4]
C-29	48	110 Maple Avenue	Residential	No	Yes	No	Yes
C-29	48	95R Maple Avenue	Residential	No	Yes	Yes	Yes
C-29	48	97R Maple Avenue	Residential	No	Yes	Yes	Yes
C-29	38	109 Maple Avenue	Residential	No	Yes	Yes	Yes
C-31	38	119 Maple Avenue	Residential	No	Yes	Yes	Yes
C-31	38	126 Maple Avenue	Residential	No	Yes	No	Yes
C-31	38	129 Maple Avenue	Residential	No	Yes	Yes	No, uses well from church
C-31	38	133 Maple Avenue	Residential	No	Yes	No	Yes
C-31	38	139 Maple Avenue	Residential	Yes	No	No	No
C-31	37	146 Maple Avenue	Residential	No	Yes	No	Yes

Durham Meadows Waterline RD
Summary of All Properties within EPA Contract No. EP-S1-06-01

Drawing	Town Assessor's Map Number	Address	Residential, Commercial or Undeveloped	Water Service to Curb Stop only	Water Service Installation (Including Meter)	Meter Pit Required	Well to be Abandoned
C-31	37	148 Maple Avenue	Residential	No	Yes	No	Yes
C-31	37	158 Maple Avenue	Residential	No	Yes	No	Yes
C-31	37	162 Maple Avenue	Residential	No	Yes	No	Yes
C-31	38	17 Wallingford Road	Residential	No	Yes	No	Yes
C-31	38	22 Wallingford Road	Residential	No	Yes	Yes	Yes
C-31	37	47 Wallingford Road	Residential	No	Yes	No	Yes
C-31	37	Map 37, Lot 15	Undeveloped	Yes	No	No	Yes
C-33	37	166 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	172 Maple Avenue	Residential	No	Yes	No	Yes
C-33	38	173 Maple Avenue	Residential	No	Yes	No	Yes
C-33	38	175 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	176 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	184 Maple Avenue	Residential	No	Yes	No	Yes
C-33	38	187 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	188 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	200 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	206 Maple Avenue	Residential	No	Yes	No	Yes
C-33	37	212R Maple Avenue	Residential	No	Yes	Yes	Yes
C-35	26	214R Maple Avenue	Undeveloped	Yes	No	No	No
C-35	27	224 Maple Avenue	Residential	No	Yes	Yes	Yes
C-35	26	228R Maple Avenue	Residential	No	Yes	Yes	Yes
C-35	26	230 Maple Avenue	Residential	No	Yes	Yes	Yes
C-35	27	235 Maple Avenue	Residential	No	Yes	No	Yes
C-35	26	236 Maple Avenue	Residential	No	Yes	No	Yes
C-35	26	244 Maple Avenue	Residential	No	Yes	No	Yes
C-35	27	245 Maple Avenue	Residential	No	Yes	No	Yes
C-35	26	254 Maple Avenue	Residential	No	Yes	No	Yes
C-35	26	14 Talcott Lane	Residential	No	Yes	Yes	Yes
C-35	26	25 Talcott Lane	Residential	No	Yes	No	Yes
C-35	27	Map 27, Lot 8	Undeveloped	Yes - 3	No	No	Yes
C-37	38	18 Maiden Lane	Residential	No	Yes	No	Yes
C-37	38	19 Maiden Lane	Residential	No	Yes	No	Yes
C-37	38	24 Maiden Lane	Residential	No	Yes	No	Yes
C-37	38	29 Maiden Lane	Residential	No	Yes	No	Yes
C-37	38	35 Maiden Lane	Residential	No	Yes	No	Yes
C-37	38	36 Maiden Lane	Residential	No	Yes	No	Yes
C-39	38	63 Maiden Lane	Residential	No	Yes	No	Yes
C-39	38	78 Maiden Lane	Residential	No	Yes	No	Yes
C-39	38	96 Maiden Lane	Undeveloped	Yes	No	No	No
C-39	38	105 Maiden Lane	Residential	No	Yes	No	Yes
C-39	38	110 Maiden Lane	Residential	No	Yes	No	Yes
C-39	38	114R Maiden Lane	Residential	No	Yes	Yes	Yes
C-39	38	Map 39, Lot 35	Undeveloped	Yes	No	No	No
C-39	38	Map 39, Lot 34.1	Undeveloped	Yes	No	No	No
C-39	38	Map 38, Lot 29	Undeveloped	Yes	No	No	No
C-39	39	123 Maiden Lane	Residential	No	Yes	No	Yes
C-41	38	191 Main Street	Strong School	Tie into existing fire and domestic services			
C-41	48	191 Main Street (south of Pickett Lane)	Korn school	Yes	No	No	Yes
C-41	38	Map 38, Lot 51 Pickett Lane	near cochnuag hs	Yes	No	No	Convert to Monitoring Well [4]
C-41	38	Map 38, Lot 51 Pickett Lane	North & East of Tennis Courts	No	No	No	Yes - 2
C-41	38	Map 38, Lot 51 Pickett Lane	East of Tennis Courts	Yes	No	No	Yes
C-41	38	191 Main Street (south of Pickett Lane)	Soccer fields	Connect to existing service, meter and backflow preventer required			
C-43	38	191 Main Street (south of Pickett Lane)	Basketball Courts	Connect to existing service, meter and backflow preventer required			
C-43	38	191 Main Street (East of Pickett Lane)	High School	Tie into existing fire and domestic services			
C-43	38	191 Main Street (West of Pickett Lane)	Korn School	Tie into existing fire and domestic services			
C-43	38	93R Maiden Lane (Service on Pickett La.)	Residential	No	Yes	No	Yes
Middletown							
C-3	32	214 Talcott Ridge Drive	Residential	Yes	No	No	No
C-3	32	216 Talcott Ridge Drive	Residential	Yes	No	No	No
C-3	32	224 Talcott Ridge Drive	Residential	Yes	No	No	No
C-5	32	182 Talcott Ridge Drive	Residential	No	No	No	No
C-5	32	199 Talcott Ridge Drive	Residential	No	No	No	No
C-5	32	204 Talcott Ridge Drive	Undeveloped	Yes	No	No	No
C-7	32	164 Talcott Ridge Drive	Residential	No	No	No	No
C-7	32	8 Watch Hill Drive	Residential	No	No	No	No
C-7	32	82 Watch Hill Drive	Residential	No	No	No	No
C-7	32	68 Talcott Ridge Drive	Residential	No	No	No	No
C-7	32	83 Talcott Ridge Drive	Residential	No	No	No	No
C-7	32	88 Talcott Ridge Drive	Undeveloped	Yes	No	No	No
C-7	32	105 Talcott Ridge Drive	Residential	No	No	No	No

Durham Meadows Waterline RD
Summary of All Properties within EPA Contract No. EP-S1-06-01

Drawing	Town Assessor's Map Number	Address	Residential, Commercial or Undeveloped	Water Service to Curb Stop only	Water Service Installation (Including Meter)	Meter Pit Required	Well to be Abandoned
C-7	32	108 Talcott Ridge Drive	Undeveloped	Yes	No	No	No
C-7	32	124 Talcott Ridge Drive	Residential	No	No	No	No
C-7	32	142 Talcott Ridge Drive	Residential	No	No	No	No
C-9	32	Map 32, Lot 8 South Main St	St. of CT	No	No	No	No
C-9	32	2156 South Main Street	Residential	Yes	No	No	No
C-9	32	9 Talcott Ridge Drive	Residential	No	No	No	No
C-9	32	18 Talcott Ridge Drive	Undeveloped	Yes	No	No	No
C-9	32	33 Talcott Ridge Drive	Residential	No	No	No	No
C-9	32	48 Talcott Ridge Drive	Residential	No	No	No	No
C-11	32	2155 South Main Street	Residential	Yes	No	No	No
C-11	32	2175 South Main Street	Commercial	Yes	No	No	No
C-11	32	2200 South Main Street	Undeveloped	Yes	No	No	No
C-11	32	2286 South Main Street	Residential	Yes	No	No	No
C-11	32	2292 South Main Street	Residential	Yes	No	No	No
C-11	32	2296 South Main Street	Residential	Yes	No	No	No
C-11	32	2330 South Main Street	Residential	Yes	No	No	No
C-11	32	2332 South Main Street	Residential	Yes	No	No	No
C-11	32	2301 South Main Street	Commercial	Yes	No	No	No
C-11	32	2303 South Main Street	Commercial	Yes	No	No	No
C-11	32	2329 South Main Street	Residential	Yes	No	No	No
C-11	32	2337 South Main Street	Residential	Yes	No	No	No
C-11	32	2345 South Main Street	Residential	Yes	No	No	No
C-11	32	Map 32 Lot 48	Municipal	No - location of water meter vault			
C-11	32	Map 32 Lot 55	Undeveloped	Yes (2)	No	No	No
Middlefield							
C-13	21	Route 17 (See 514 Main Street Durham)	Undeveloped	Yes	No	No	No

(1) Pressure Reducing Valve required upon connection (future)

(2) Existing monitoring well at 275 Main Street to remain.

(3) There is a proposed lot split for 298 Main Street. An additional water service to the curb stop is shown.

(4) Four wells as noted will be converted to monitoring wells as specified under Section 02521. Note, the specific well to be converted for monitoring at RSD13 is TBD and will be identified by Owner.

(5) House at #174 Main Street was demolished, but well is still on site

(6) One well currently serves 151R and 153 Main Street

Summary of Water Service Work on Private Property

	ADDRESS	DRAWING No.	COMMENT
1	10 John's Way	C-27	
2	17 John's Way	C-27	Property already connected to water service, well to be abandoned.
3	119 Main Street	C-25	
4	120 Main Street	C-25	
5	127 Main Street	C-25	
6	151R Main Street	C-25	
7	153 Main Street	C-25	
8	167 Main Street	C-23	
9	168 Main Street	C-23	
10	175R Main Street	C-23	
11	176 Main Street	C-23	
12	177R Main Street	C-23	
13	186 Main Street	C-23	
14	188 Main Street	C-23	
15	196 Main Street	C-23	
16	199 Main Street	C-23	
17	201 Main Street	C-23	
18	202 Main Street	C-23	
19	203 Main Street	C-21	
20	205 Main Street	C-21	
21	208 Main Street	C-21	
22	215 Main Street	C-21	
23	216 Main Street	C-21	
24	220 Main Street	C-21	
25	227/227A Main Street	C-21	
26	233 Main Street	C-21	
27	235 Main Street	C-21	
28	228/228R Main Street	C-21	
29	236 Main Street	C-21	
30	238 Main Street	C-21	
31	239 Main Street	C-21	
32	242 Main Street	C-21	
33	243 Main Street	C-21	
34	246 Main Street	C-21	
35	248 Main Street	C-21	
36	252 Main Street	C-21	
37	253 Main Street	C-21	
38	256 Main Street	C-21	
39	257 Main Street	C-19	
40	261 Main Street	C-19	
41	262 Main Street	C-19	

Summary of Water Service Work on Private Property

	ADDRESS	DRAWING No.	COMMENT
42	265 Main Street	C-19	
43	267 Main Street	C-19	
44	268 Main Street	C-19	
45	271 Main Street	C-19	
46	272 Main Street	C-19	
47	275 Main Street	C-19	
48	280 Main Street	C-19	
49	289 Main Street	C-19	
50	293 Main Street	C-19	
51	297 Main Street	C-19	
52	298 Main Street	C-19	Additional Water Service to street line was added due to proposed lot split
53	305R Main Street	C-19	
54	303 Main Street	C-19	
55	307 Main Street	C-19	
56	308 Main Street	C-19	
57	312 Main Street	C-19	
58	313 Main Street	C-17	
59	316 Main Street	C-17	
60	321 Main Street	C-17	
61	322 Main Street	C-17	
62	325 Main Street	C-17	
63	7 Maple Avenue	C-25	Already Connected to Water System, Well to be Abandoned
64	13 Maple Avenue	C-27	Water Service available at property line
65	29 Maple Avenue	C-27	
66	41 Maple Avenue	C-27	Already Connected to Water System, Well to be Abandoned
67	95R Maple Avenue	C-29	
68	97R Maple Avenue	C-29	
69	109 Maple Avenue	C-29	
70	110 Maple Avenue	C-29	
71	119 Maple Avenue	C-31	
72	126 Maple Avenue	C-31	No Permission to Access Property, interior information not available
73	129 Maple Avenue	C-31	
74	133 Maple Avenue	C-31	
75	139 Maple Avenue	C-31	
76	146 Maple Avenue	C-31	
77	148 Maple Avenue	C-31	
78	158 Maple Avenue	C-31	
79	162 Maple Avenue	C-31	
80	166 Maple Avenue	C-33	
81	172 Maple Avenue	C-33	
82	173 Maple Avenue	C-33	

Summary of Water Service Work on Private Property

	ADDRESS	DRAWING No.	COMMENT
83	175 Maple Avenue	C-33	
84	176 Maple Avenue	C-33	
85	184 Maple Avenue	C-33	
86	187 Maple Avenue	C-33	
87	188 Maple Avenue	C-33	
88	200 Maple Avenue	C-33	
89	206 Maple Avenue	C-33	
90	212R Maple Avenue	C-33	
91	224 Maple Avenue	C-35	No Permission to Access Property, interior information not available
92	228R Maple Avenue	C-35	No Permission to Access Property, interior information not available
93	230 Maple Avenue	C-35	
94	235 Maple Avenue	C-35	
95	236 Maple Avenue	C-35	No Permission to Access Property, interior information not available
96	244 Maple Avenue	C-35	
97	245 Maple Avenue	C-35	
98	254 Maple Avenue	C-35	
99	11 Maiden Lane	C-21	
100	17 Maiden Lane	C-21	
101	18 Maiden Lane	C-37	
102	19 Maiden Lane	C-37	
103	24 Maiden Lane	C-37	
104	29 Maiden Lane	C-37	
105	35 Maiden Lane	C-37	
106	36 Maiden Lane	C-37	
107	63 Maiden Lane	C-39	No Permission to Access Property, interior information not available
108	78 Maiden Lane	C-39	
109	93R Maiden Lane	C-39	
110	105 Maiden Lane	C-39	
111	110 Maiden Lane	C-39	
112	114R Maiden Lane	C-39	
113	123 Maiden Lane	C-39	
114	17 Wallingford Road	C-31	
115	22 Wallingford Road	C-31	
116	47 Wallingford Road	C-31	
117	14 Talcott Lane	C-35	
118	25 Talcott Lane	C-35	

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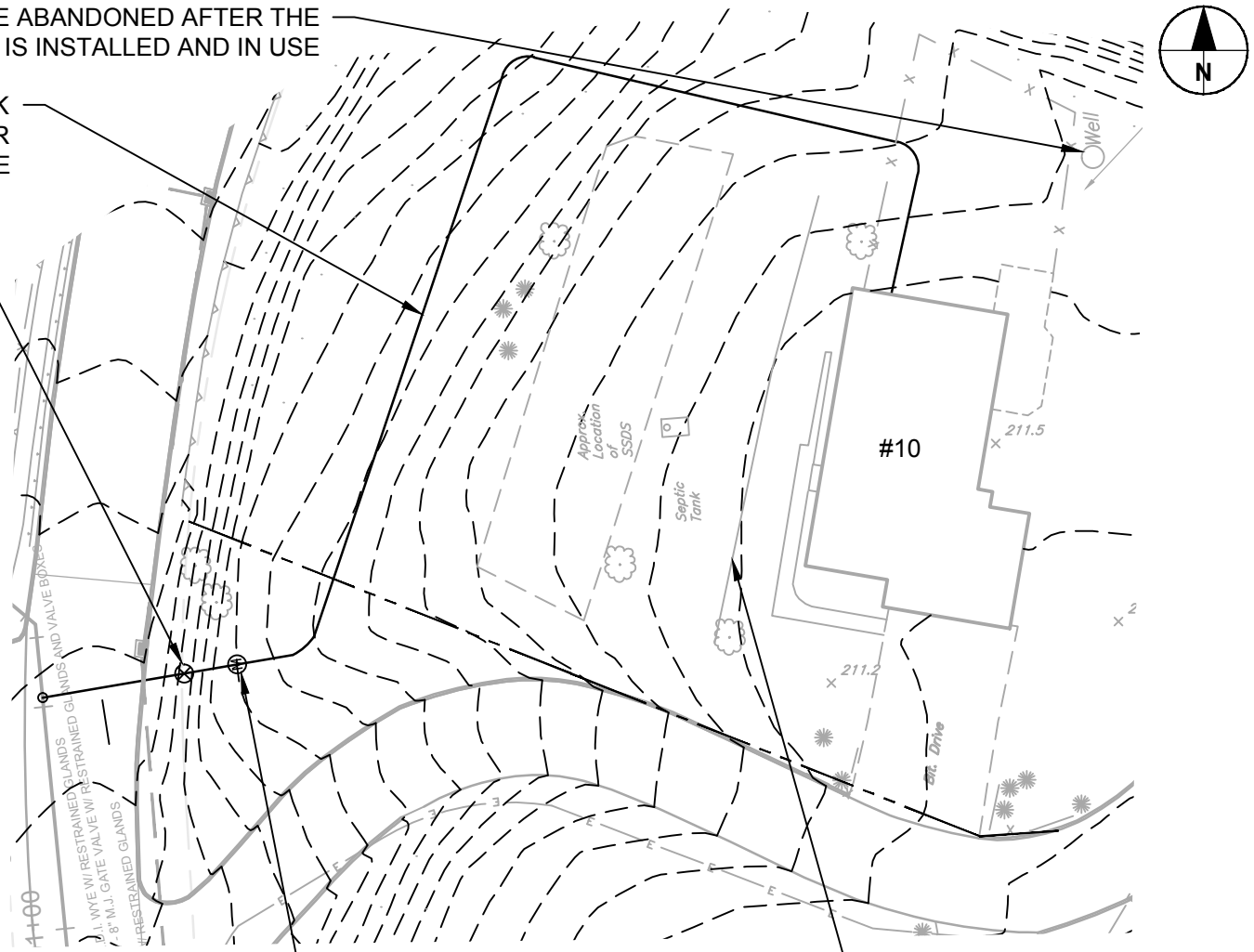
10 John’s Way

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

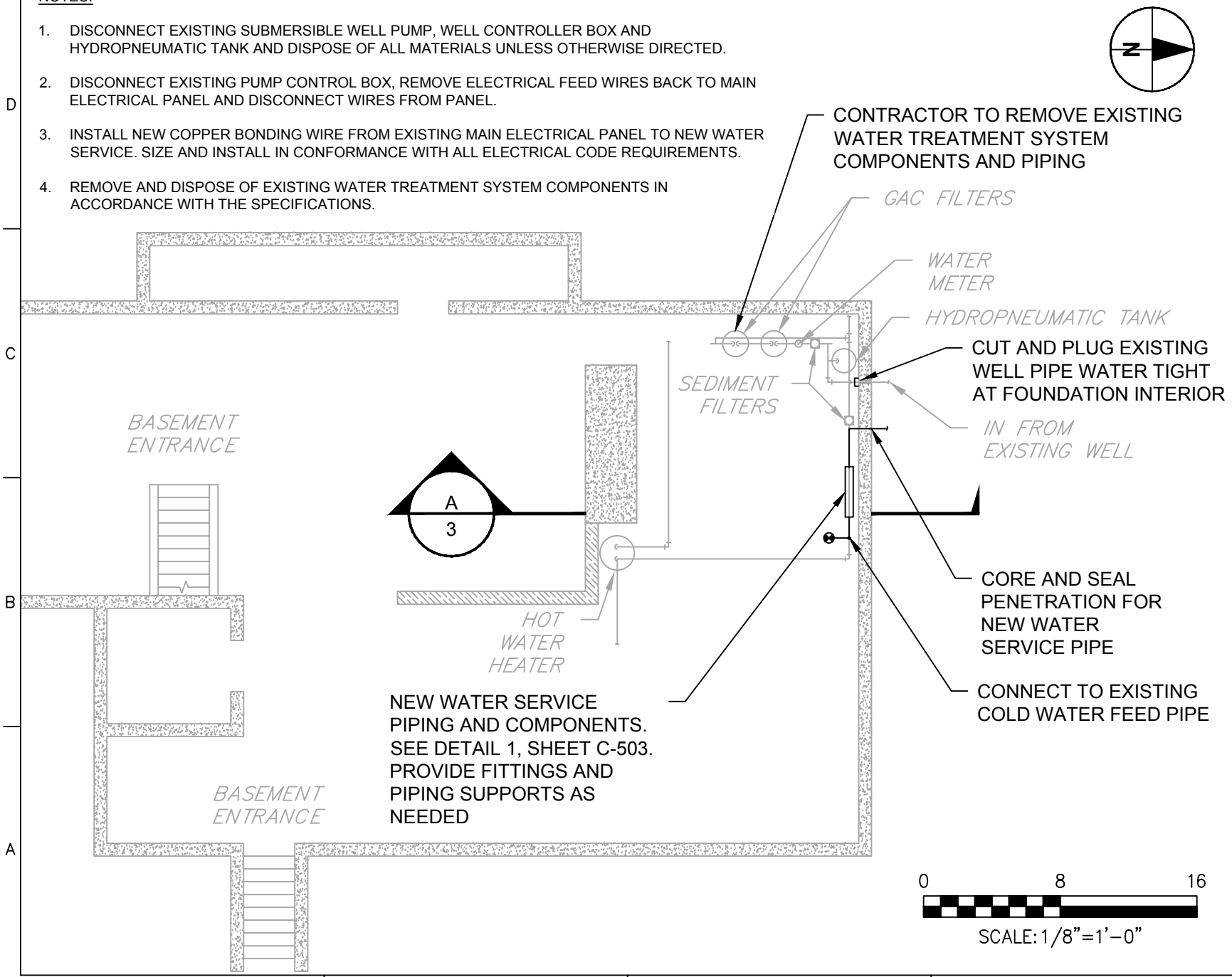
TOWN OF DURHAM
10 JOHN'S WAY.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-10JOHNS.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

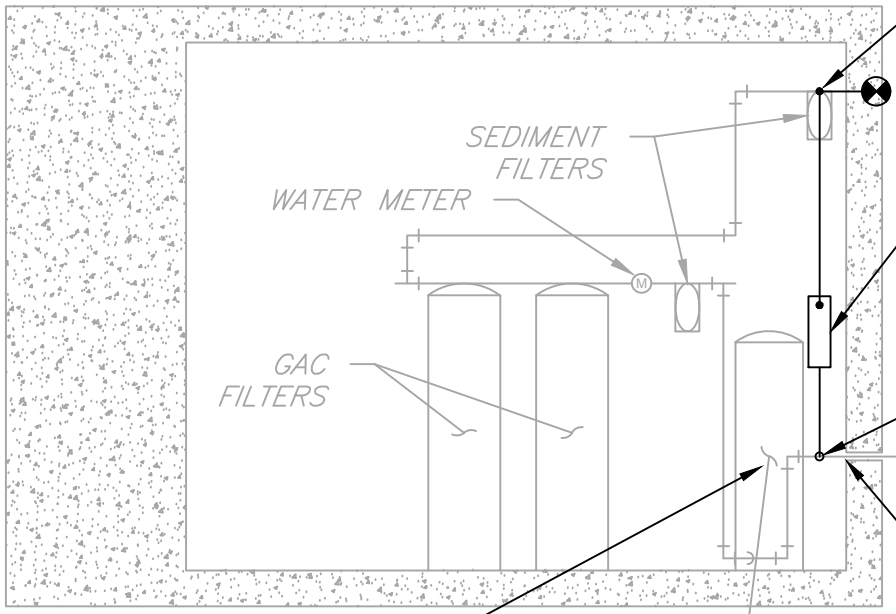
TOWN OF DURHAM
10 JOHN'S WAY

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	10 John's Way.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

WEST VIEW



CONNECT TO EXISTING COLD WATER FEED PIPE

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

IN FROM EXISTING WELL

CUT AND PLUG EXISTING WELL PIPE WATER TIGHT AT FOUNDATION INTERIOR

CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING

A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

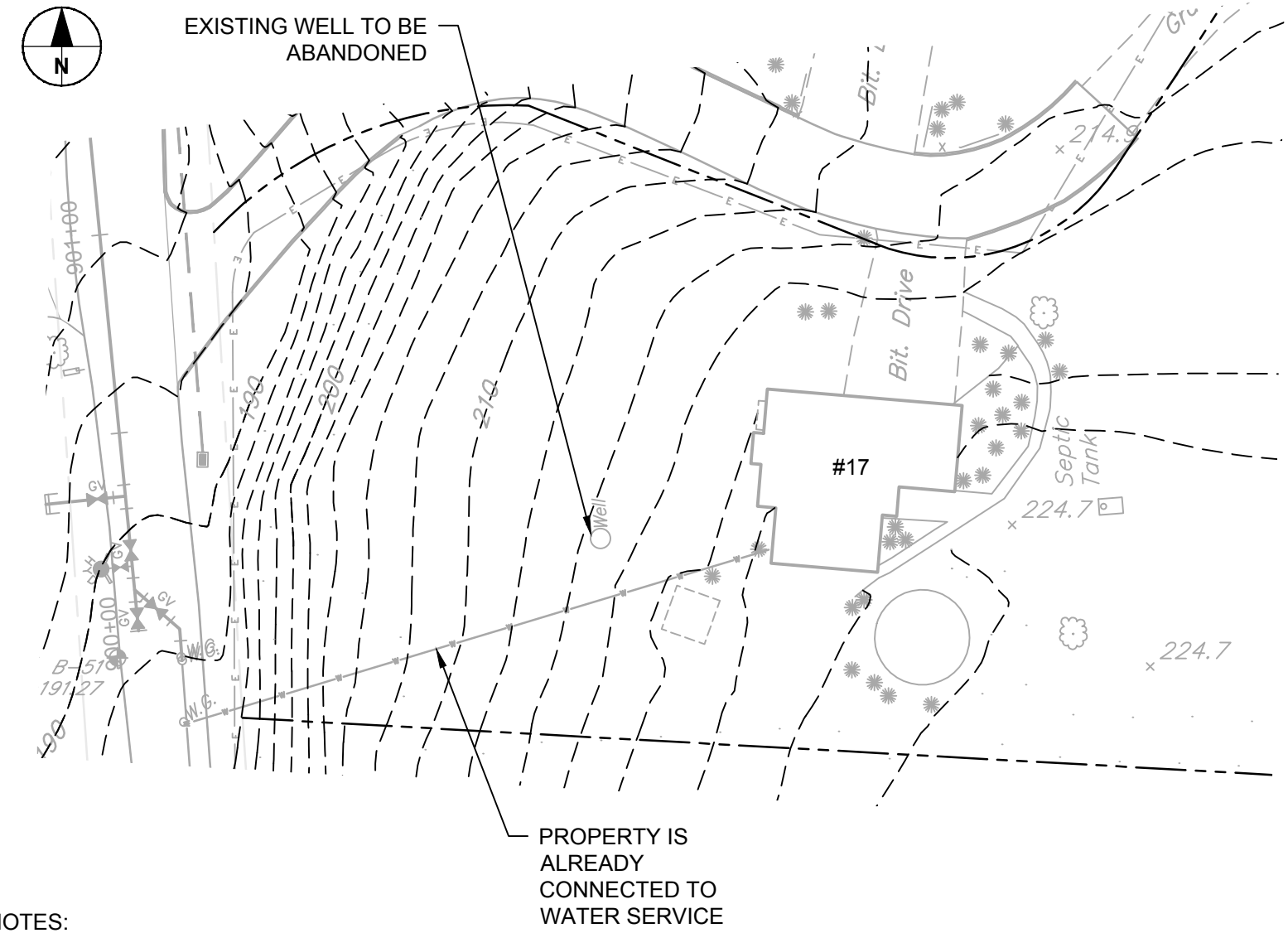
TOWN OF DURHAM
10 JOHN'S WAY
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	10 John's Way.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

17 John’s Way

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WELL WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

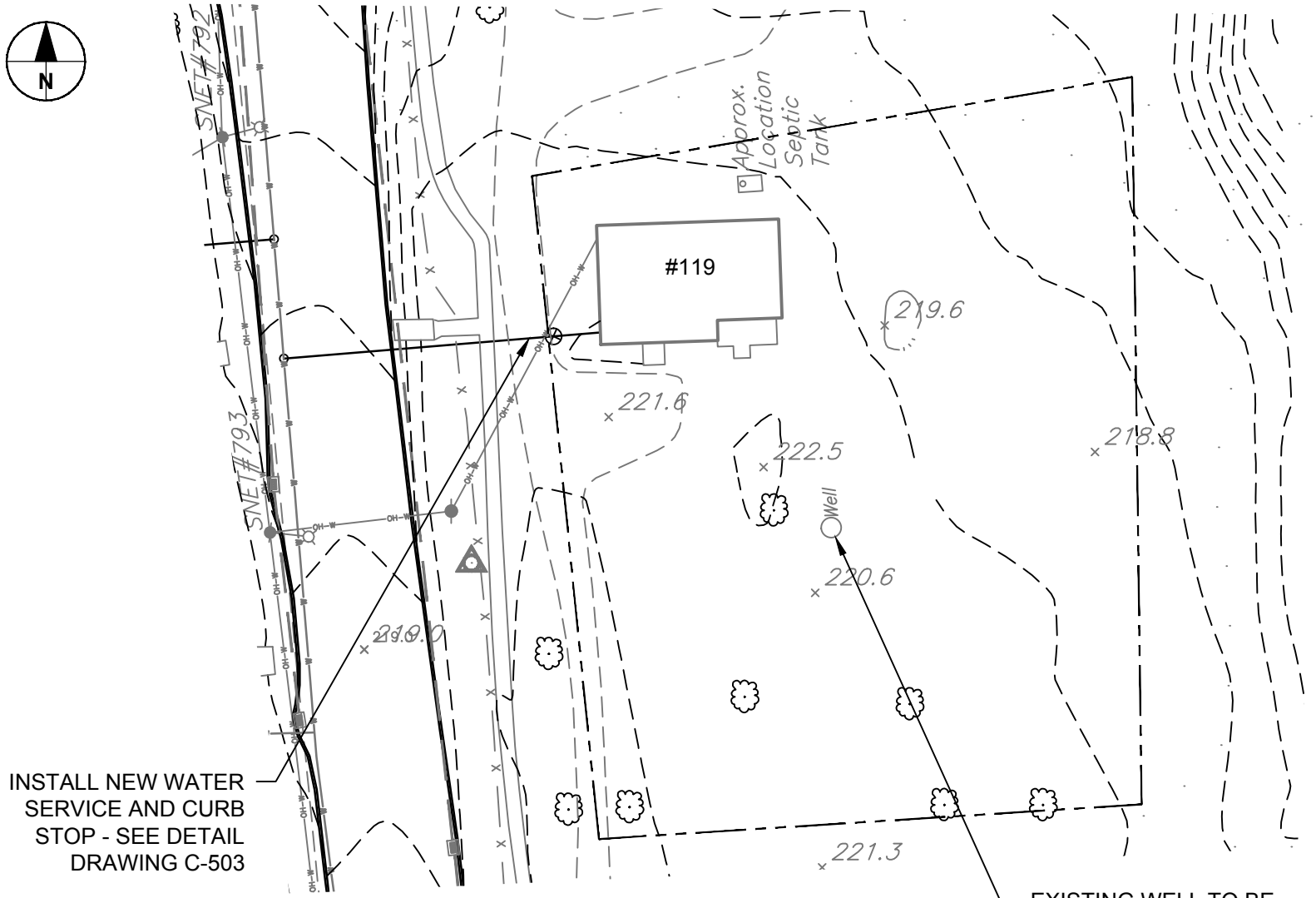
TOWN OF DURHAM
17 JOHN'S WAY
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-17JOHNS.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

119 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

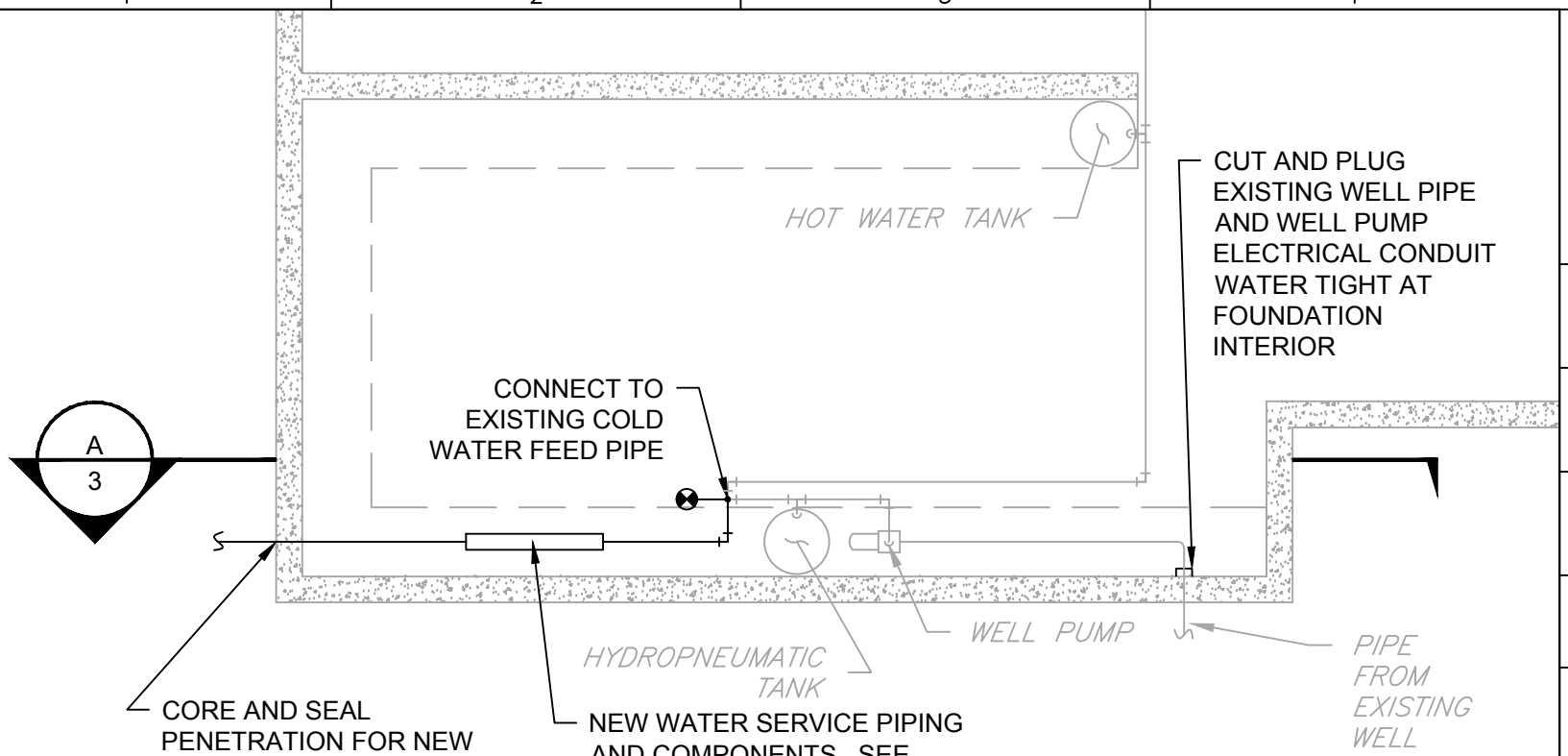
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
119 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-119MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX, AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
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AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

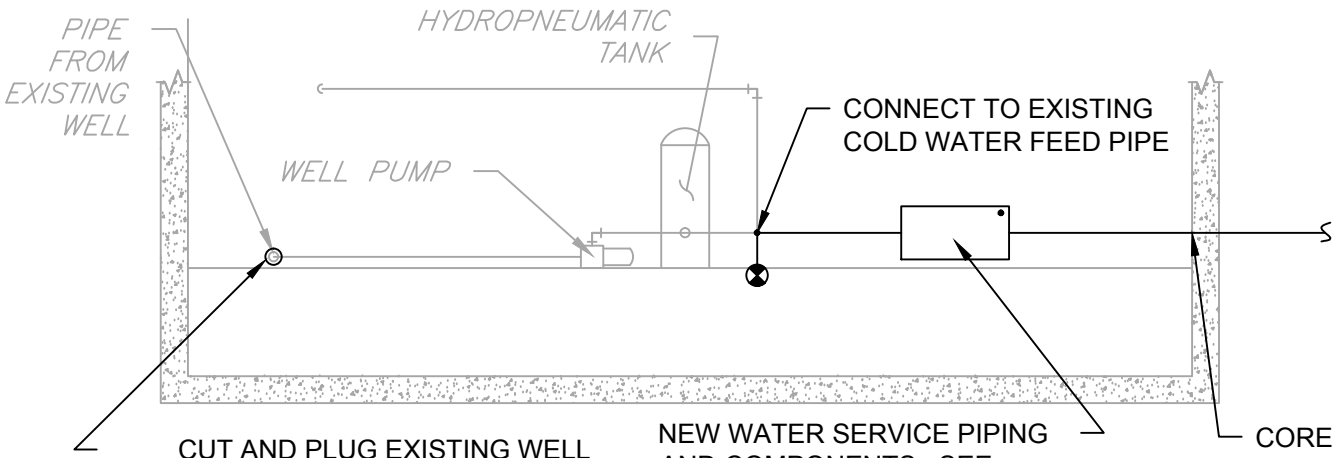
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
119 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	119 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	APRIL 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

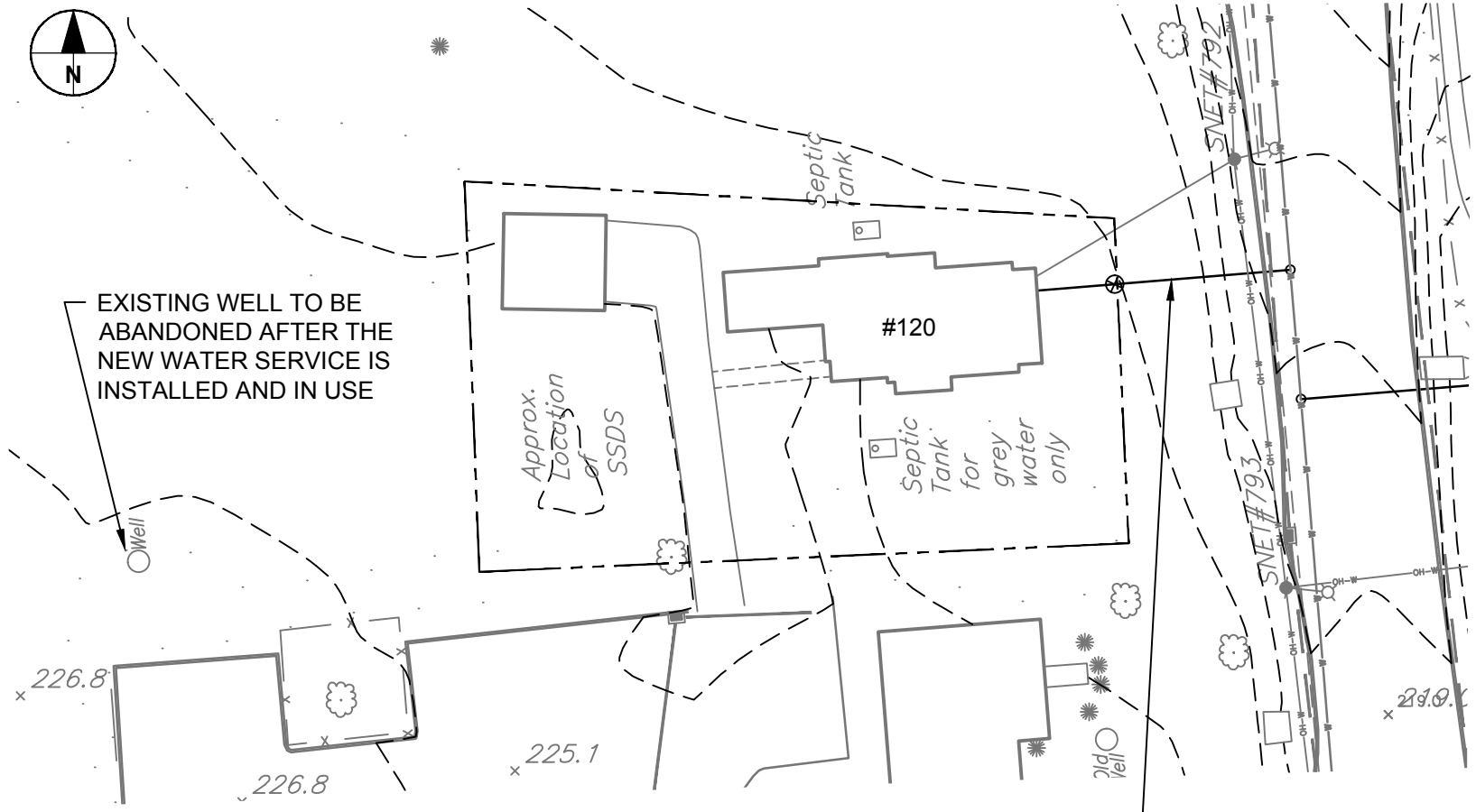
TOWN OF DURHAM
119 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	119 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	APRIL 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

120 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503. NOTE: TOWN RECORDS INDICATE THIS PROPERTY WAS ONCE CONNECTED TO DCWS. CONTRACTOR MAY ENCOUNTER AN OLD WATER SERVICE LATERAL.

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

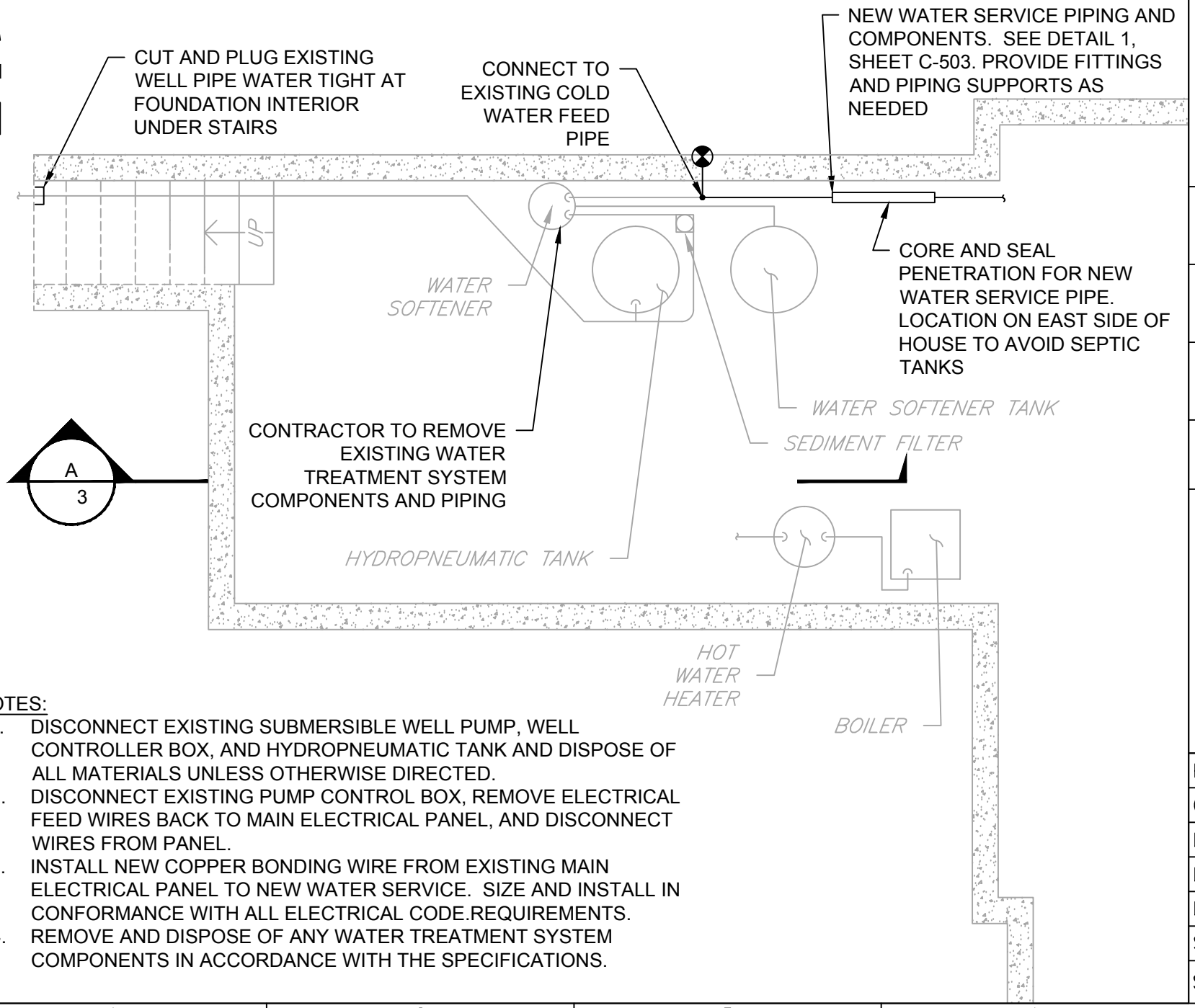
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
120 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-120MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX, AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.
4. REMOVE AND DISPOSE OF ANY WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

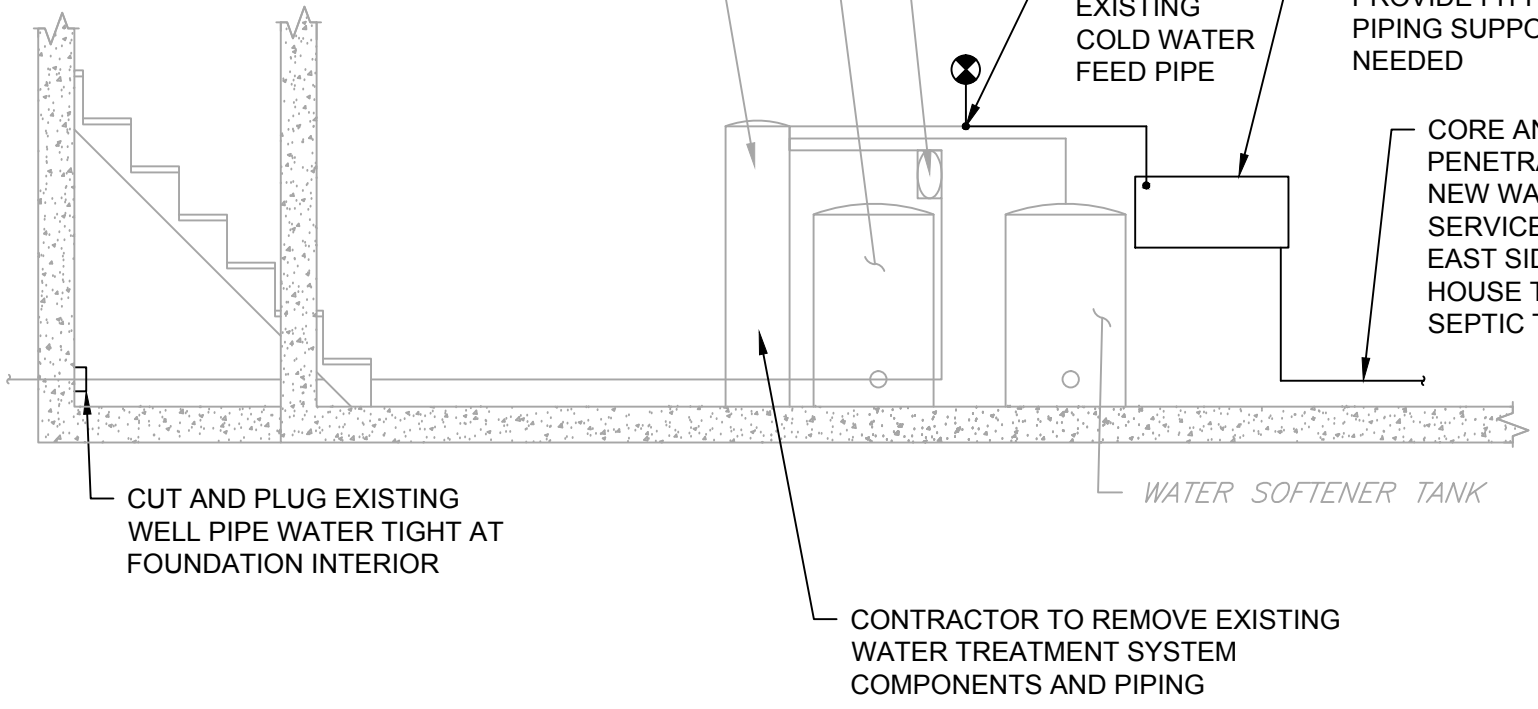
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
120 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	120 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

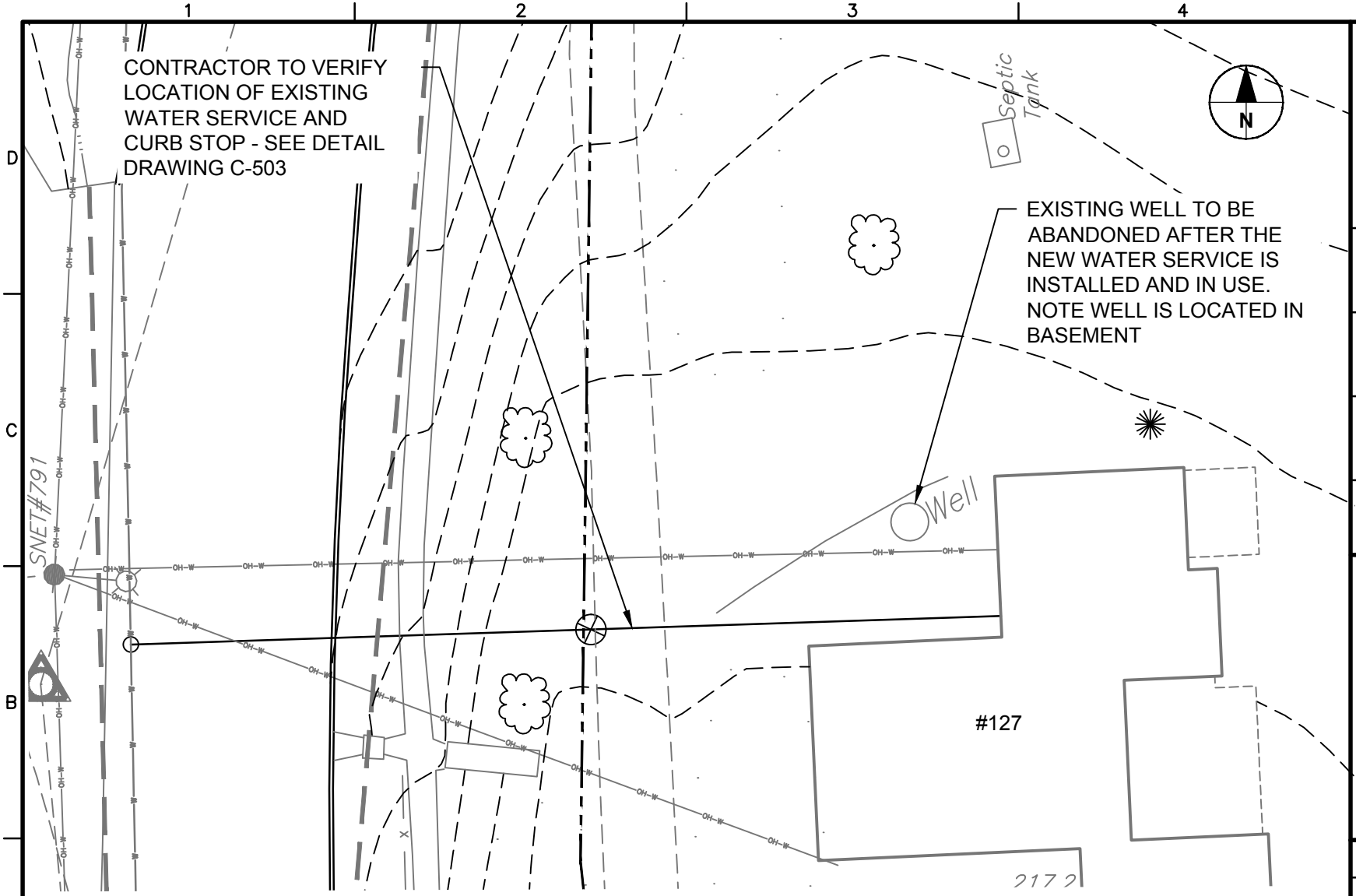
TOWN OF DURHAM
120 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	120 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

127 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

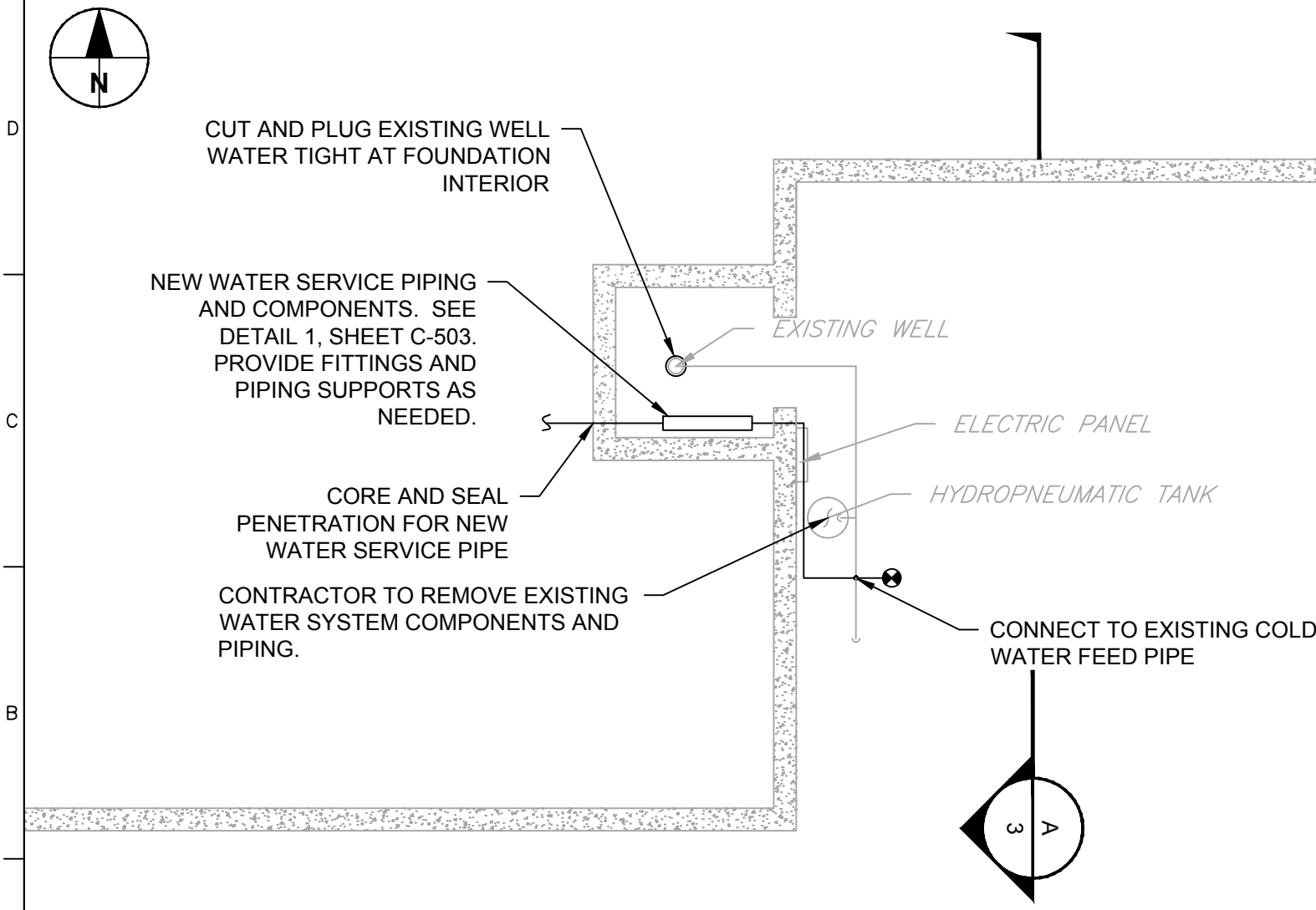
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
127 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-127MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX, AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

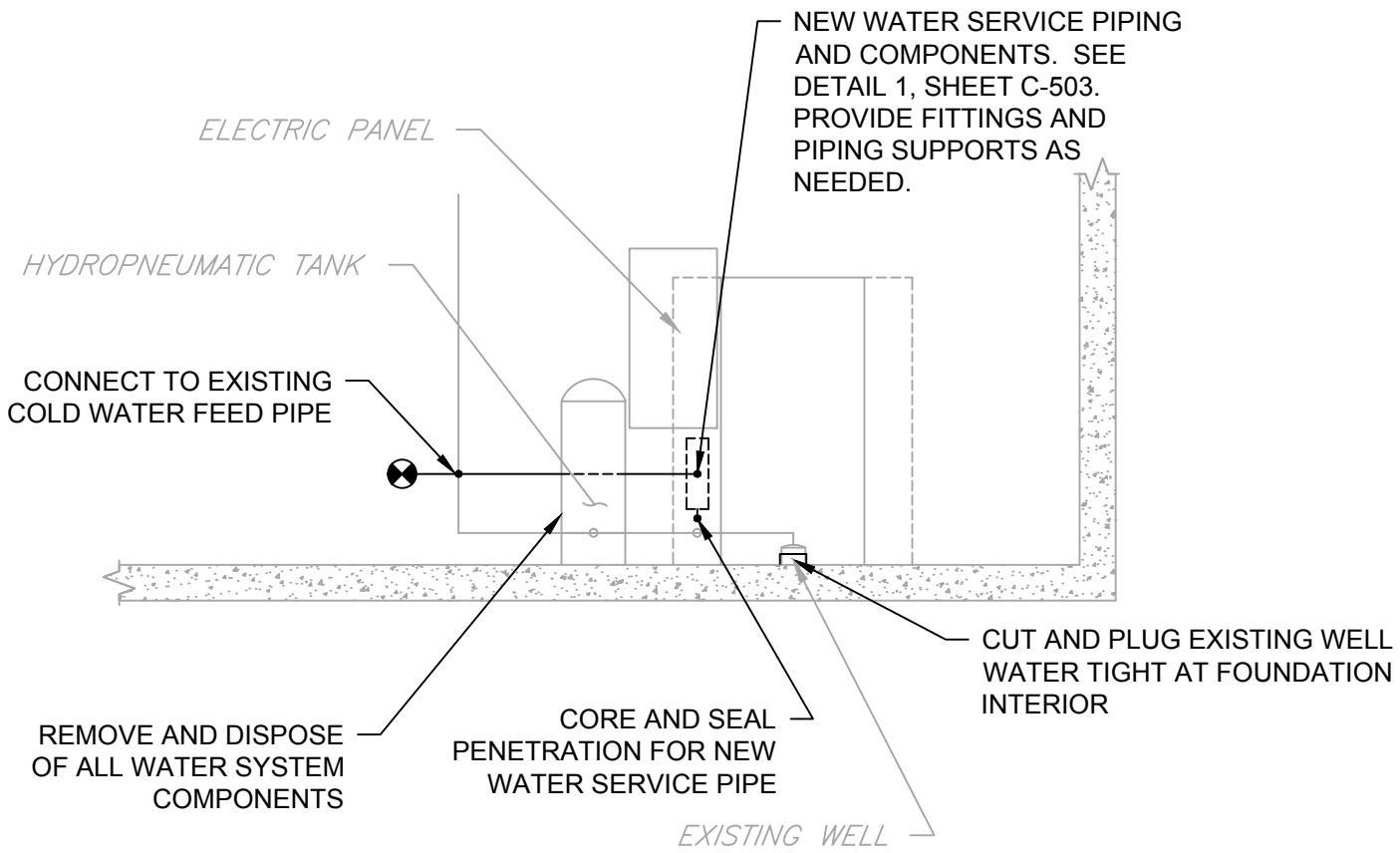
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
127 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	127 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

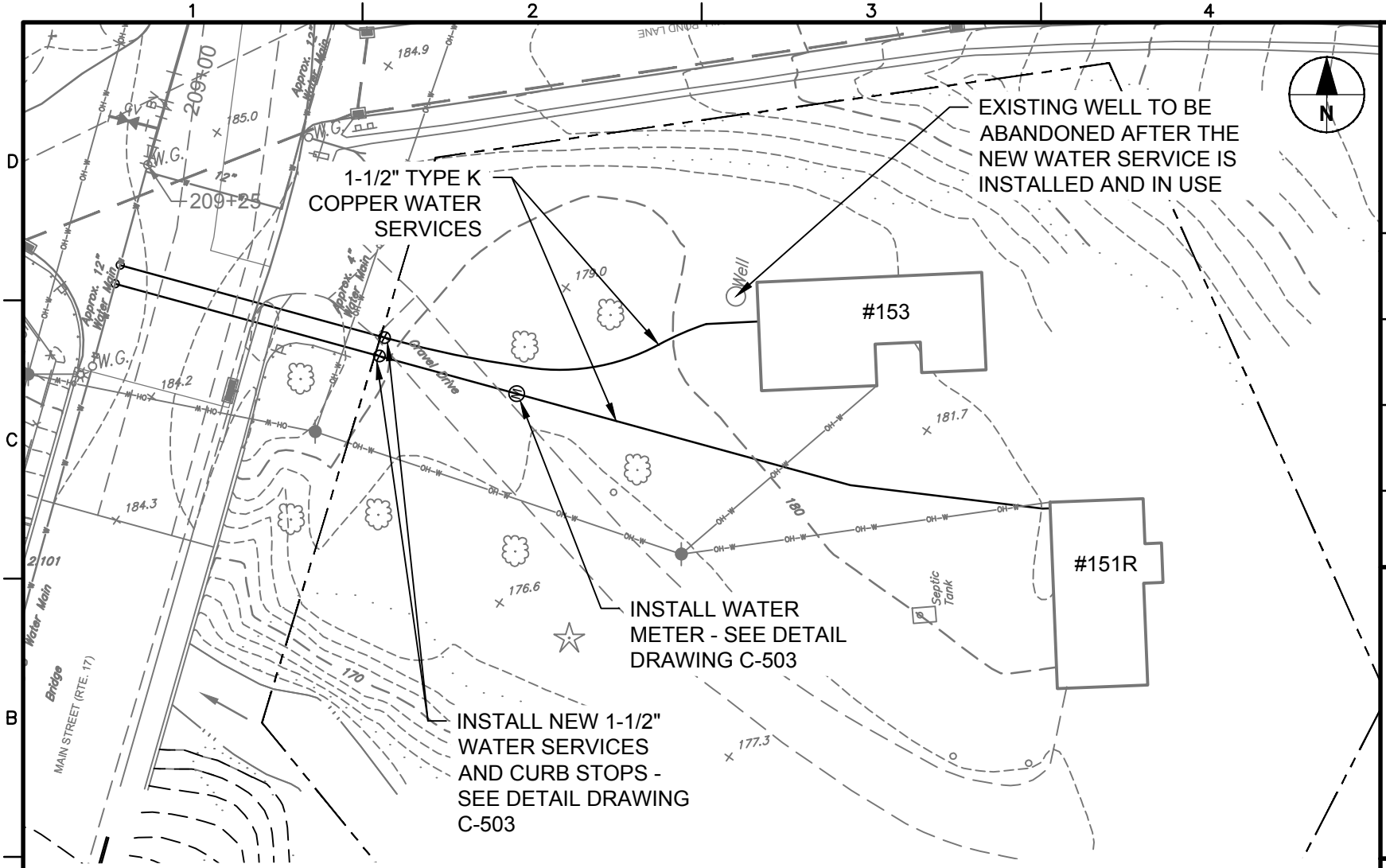
TOWN OF DURHAM
127 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	127 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

151R and 153 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

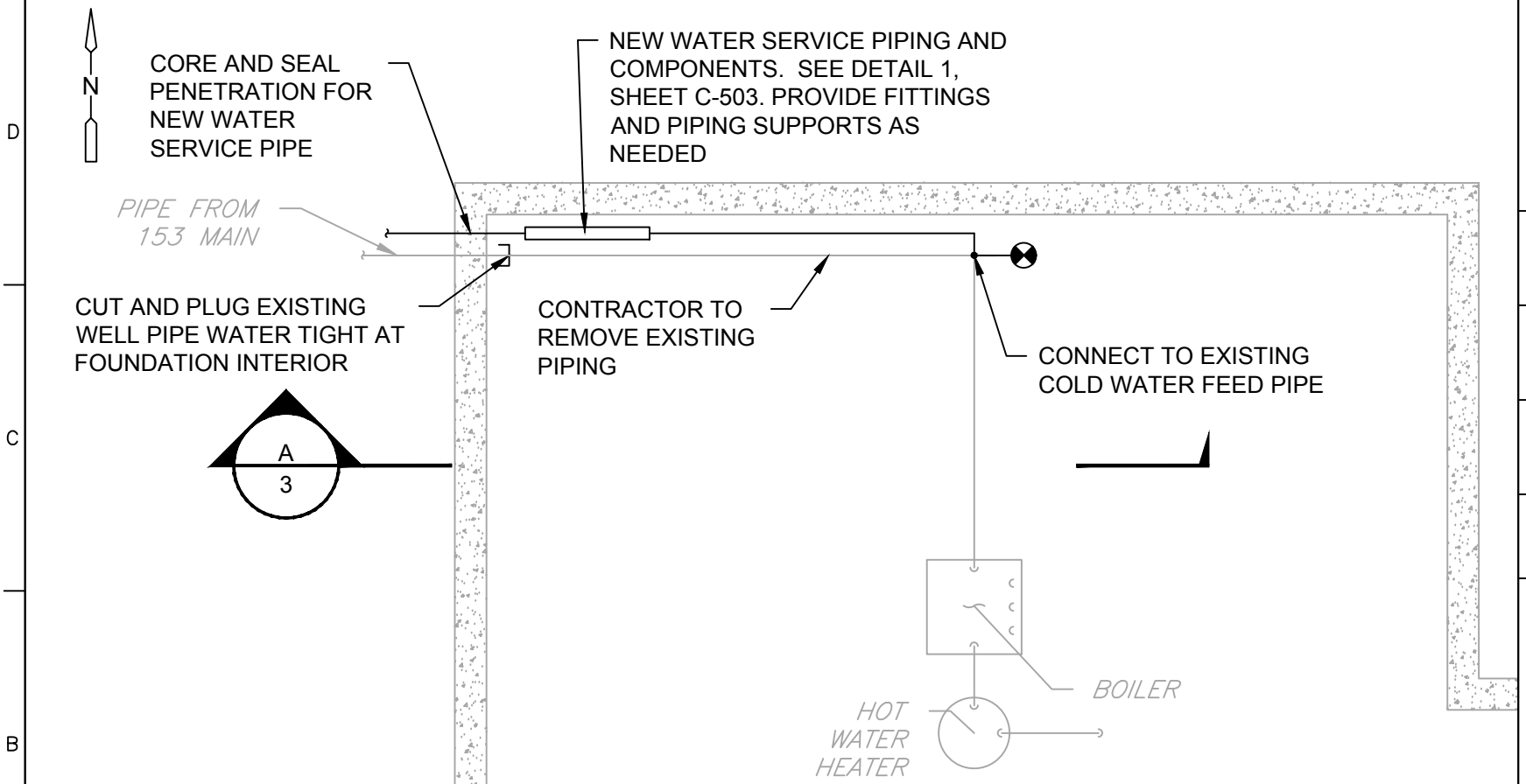
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
151R AND 153 MAIN ST.

SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-153 & 151RMAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	APRIL 2018
SCALE:	1" = 20'
SHEET	1 OF 5

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX, AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

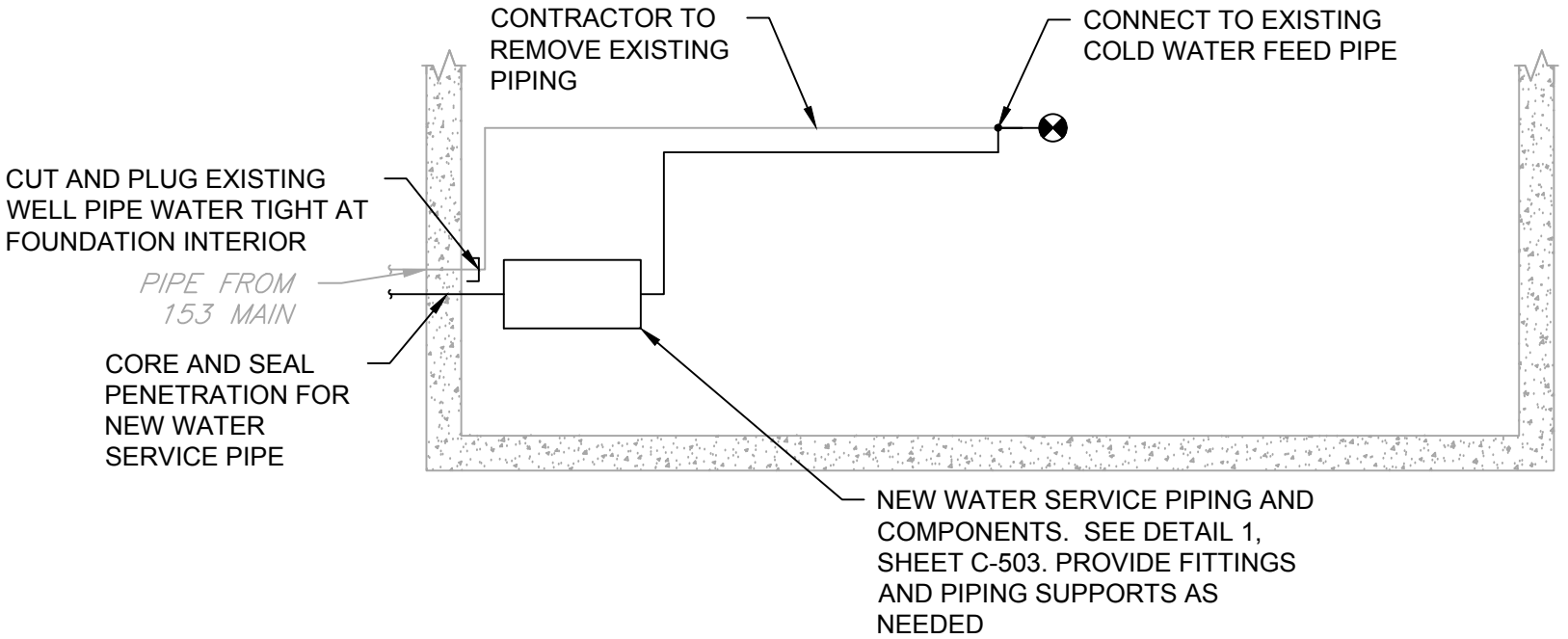
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
151R MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	151 Main Street (153 in pictures).dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 5

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

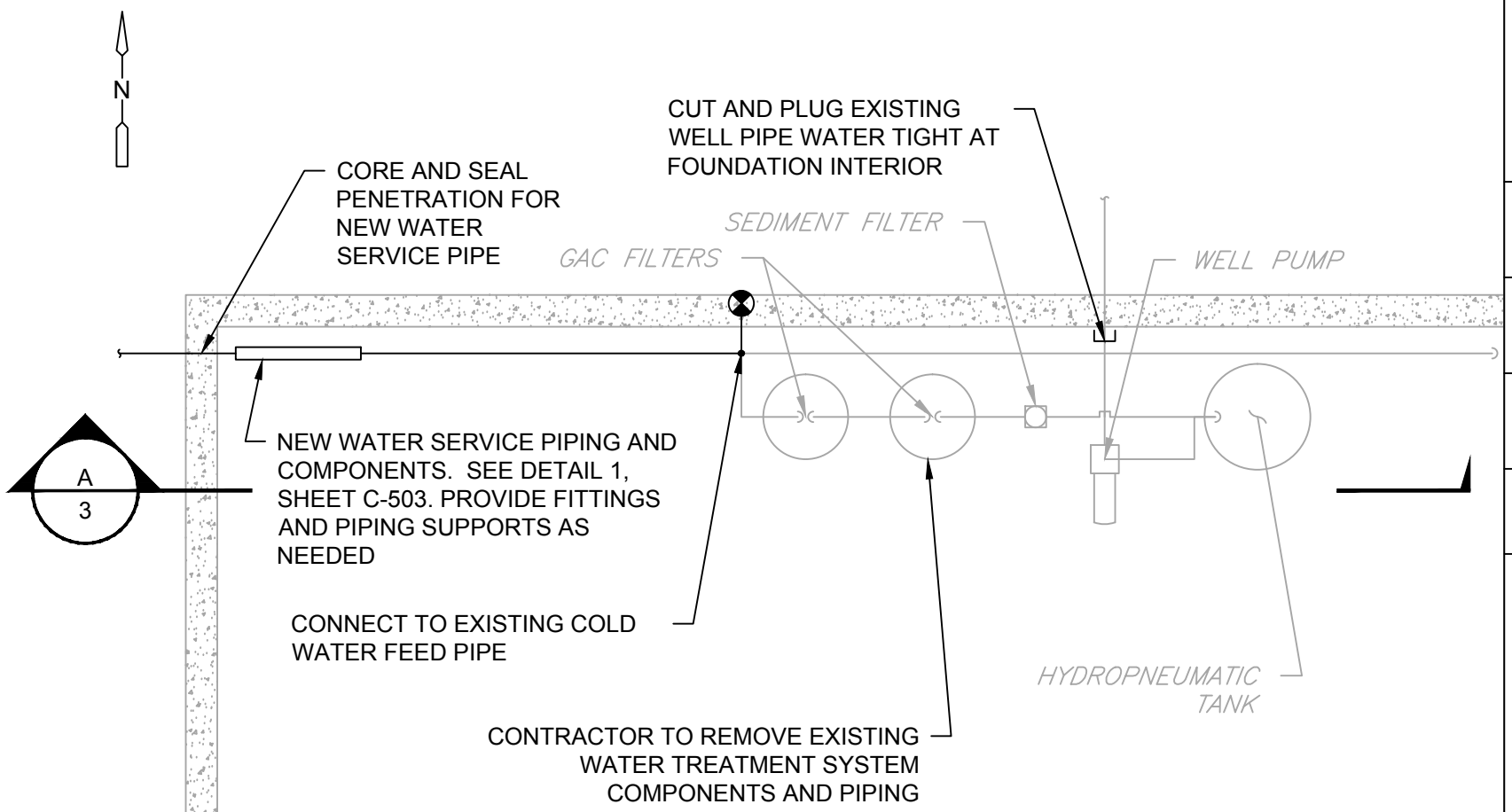
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
151R MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 5

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX, AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

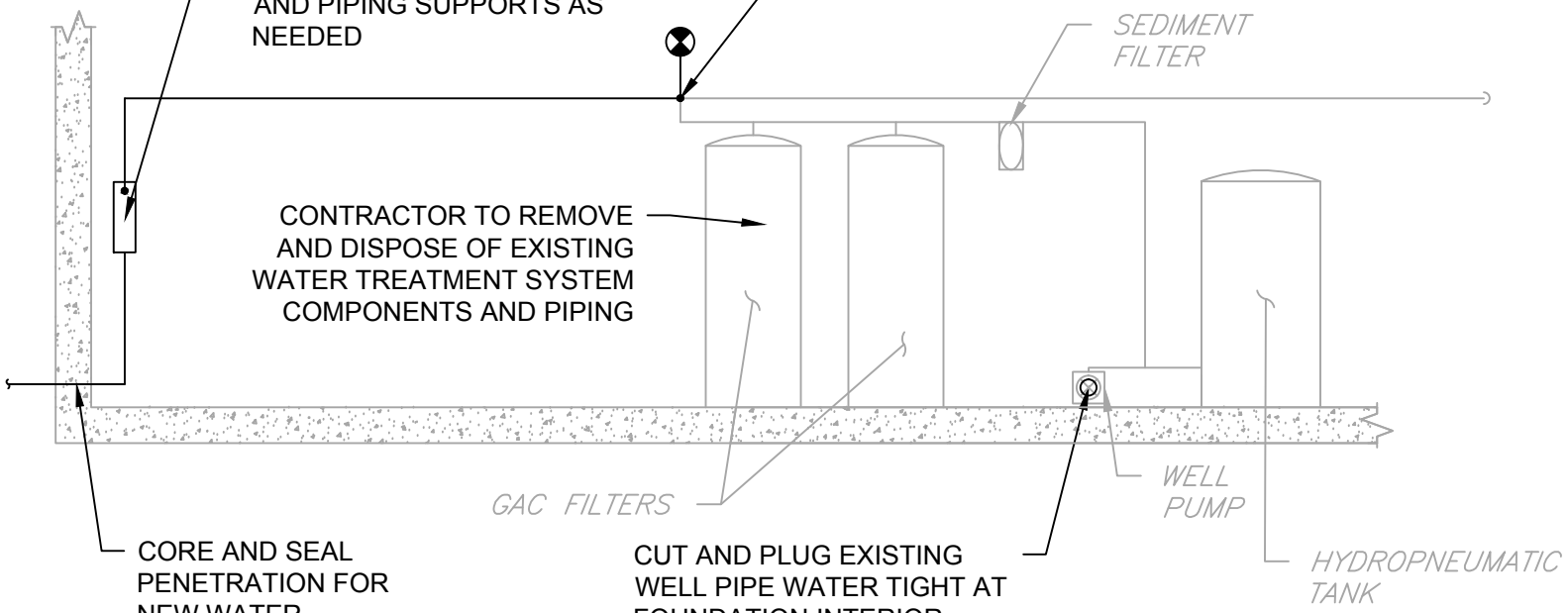
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
153 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	153 Main Street (151 in pictures).dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 5

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

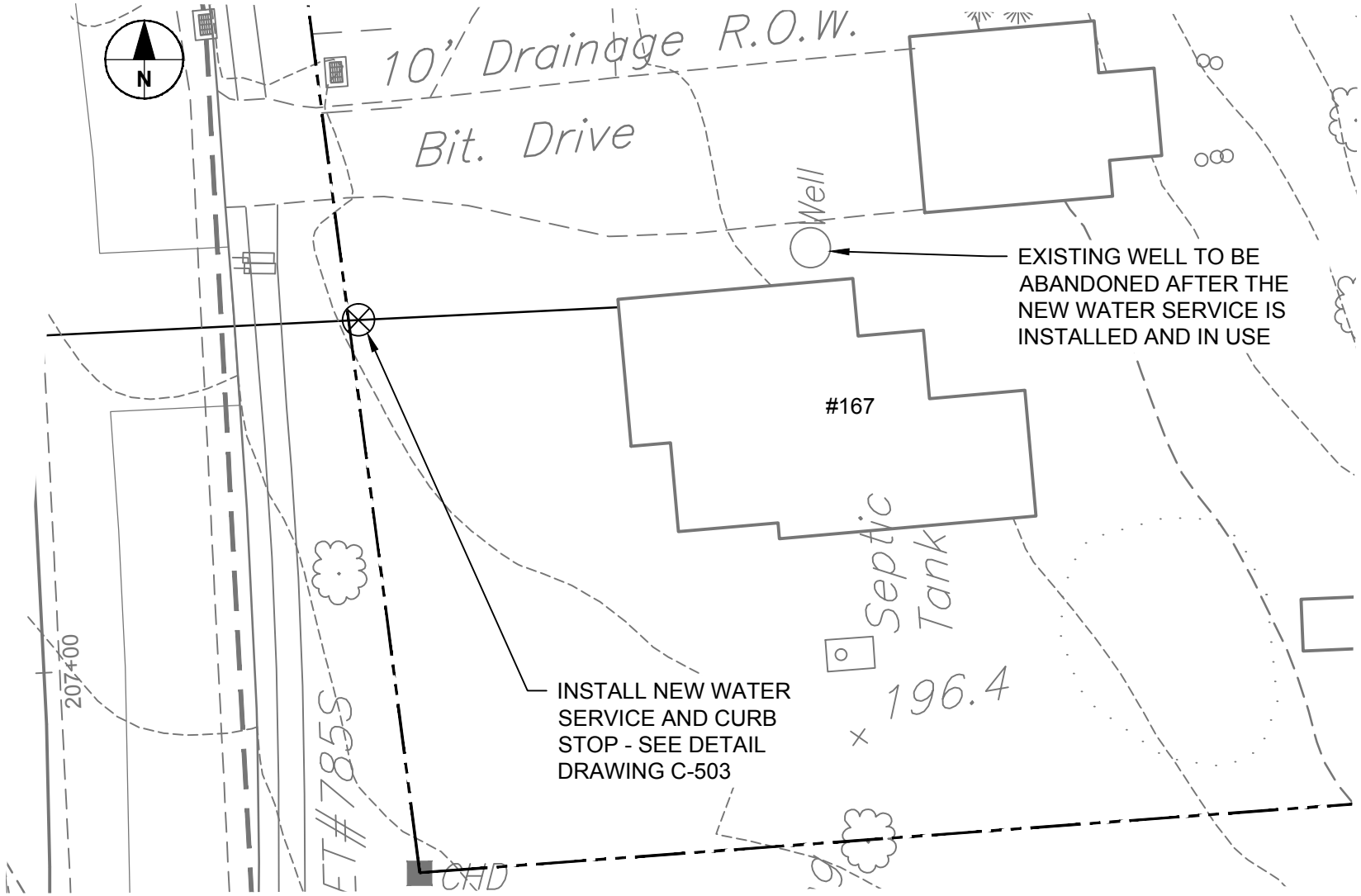
TOWN OF DURHAM
153 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	5 OF 5

167 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR MAY ENCOUNTER OLD DURHAM WATER SERVICE ON THE PROPERTY.
2. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
3. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
4. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
5. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

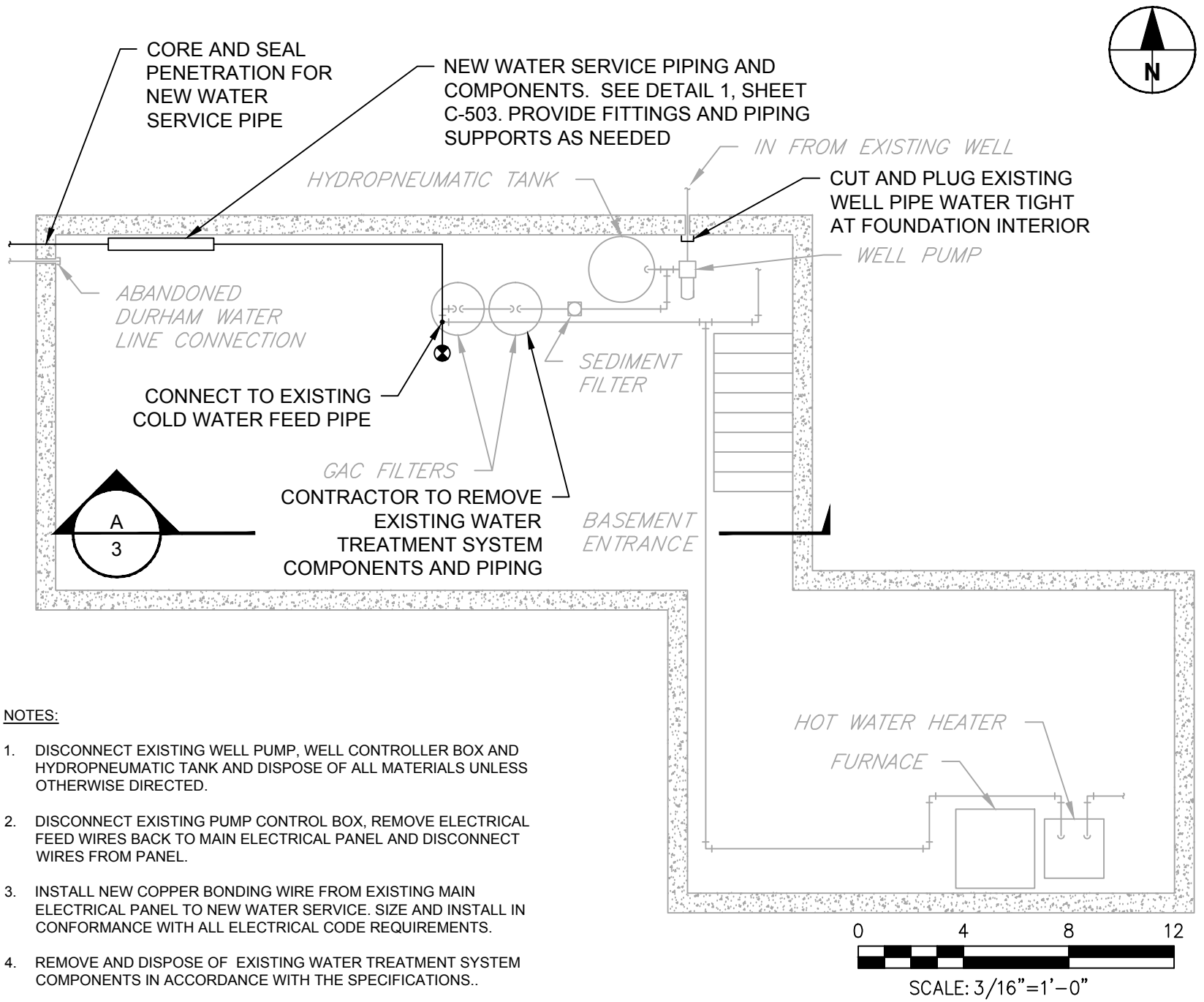
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
167 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-167MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS..

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

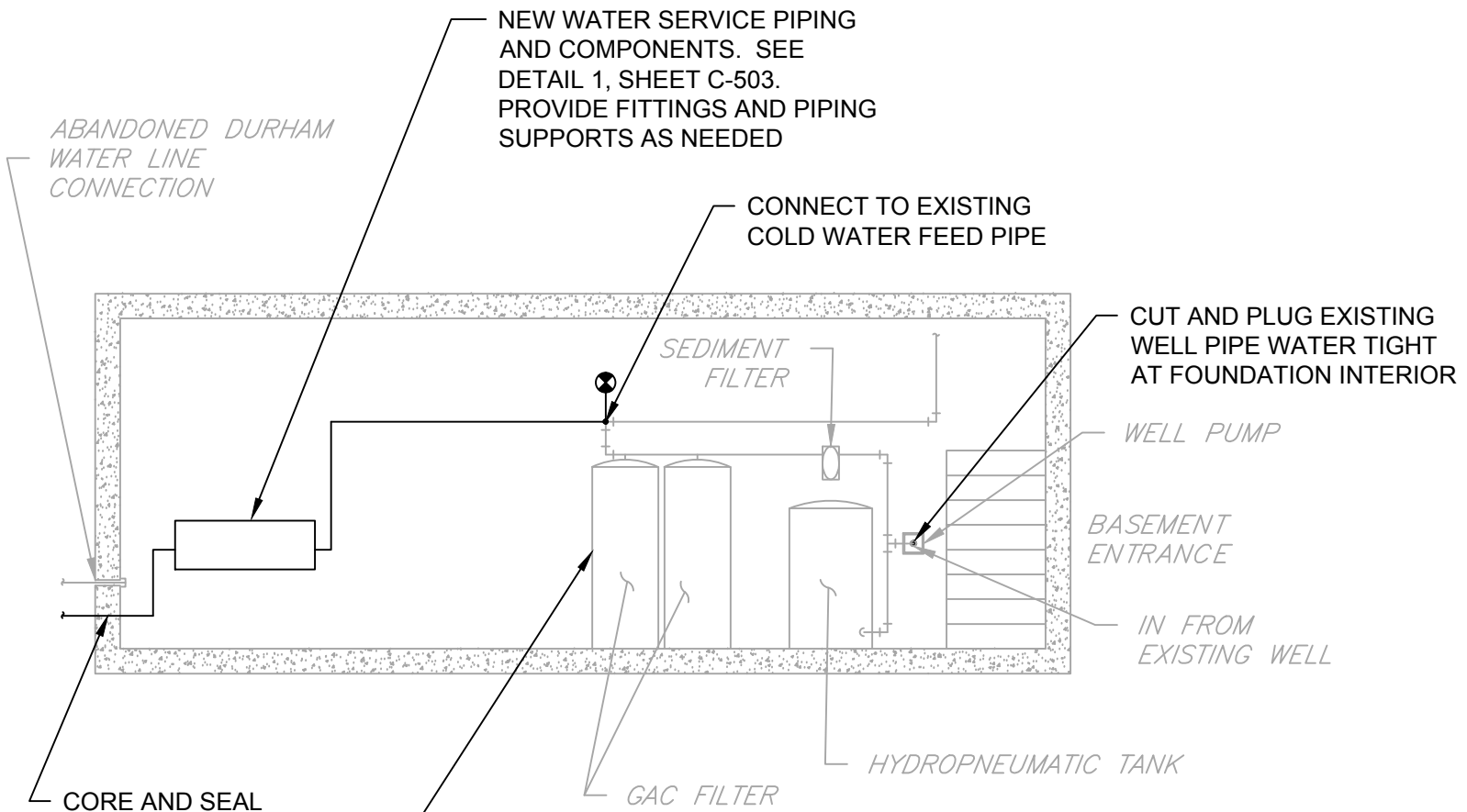
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
167 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	167 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A/2 **SECTION A-A**

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

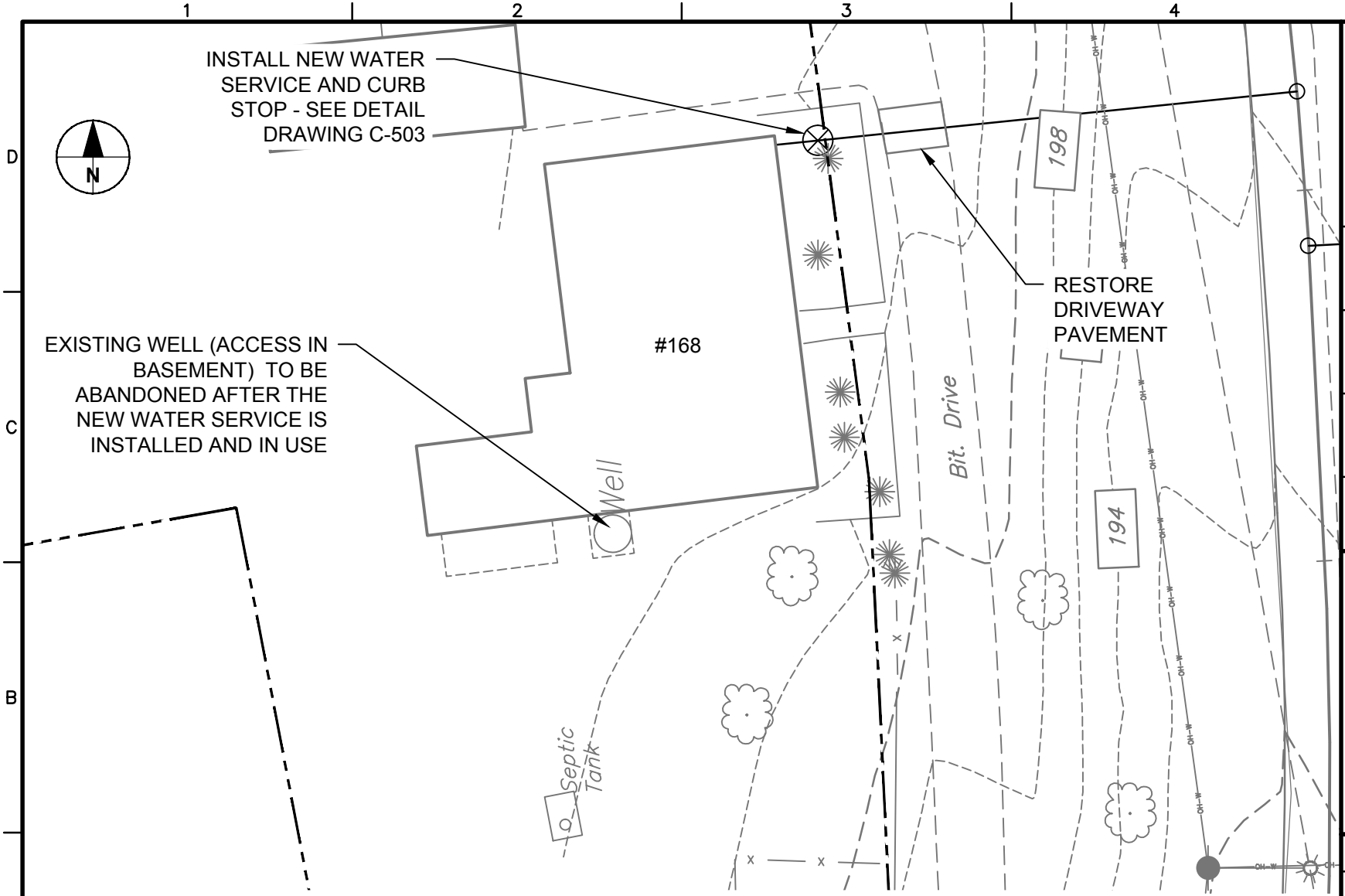
TOWN OF DURHAM
167 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	167 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

168 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

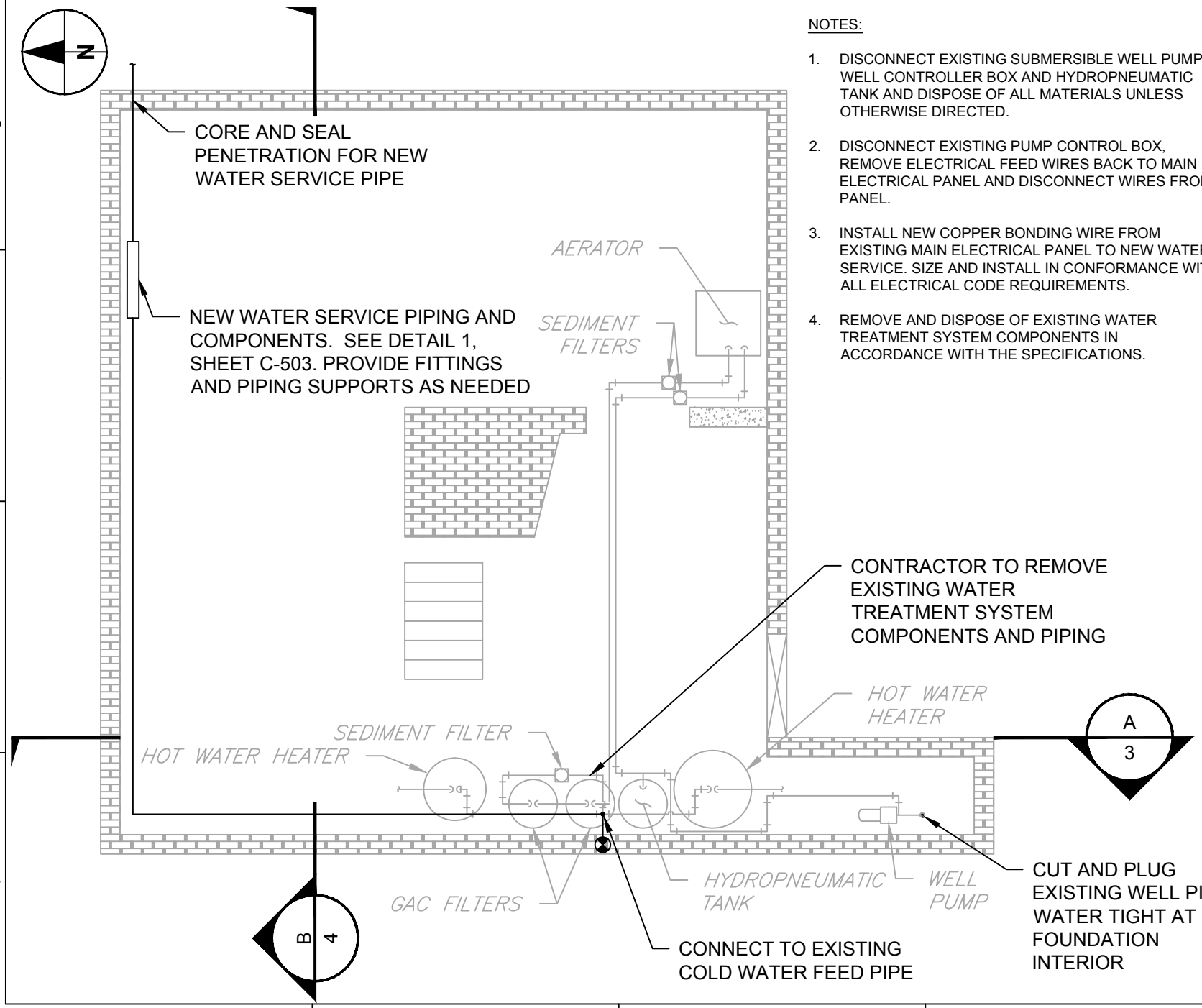
TOWN OF DURHAM
168 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-168MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 4

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

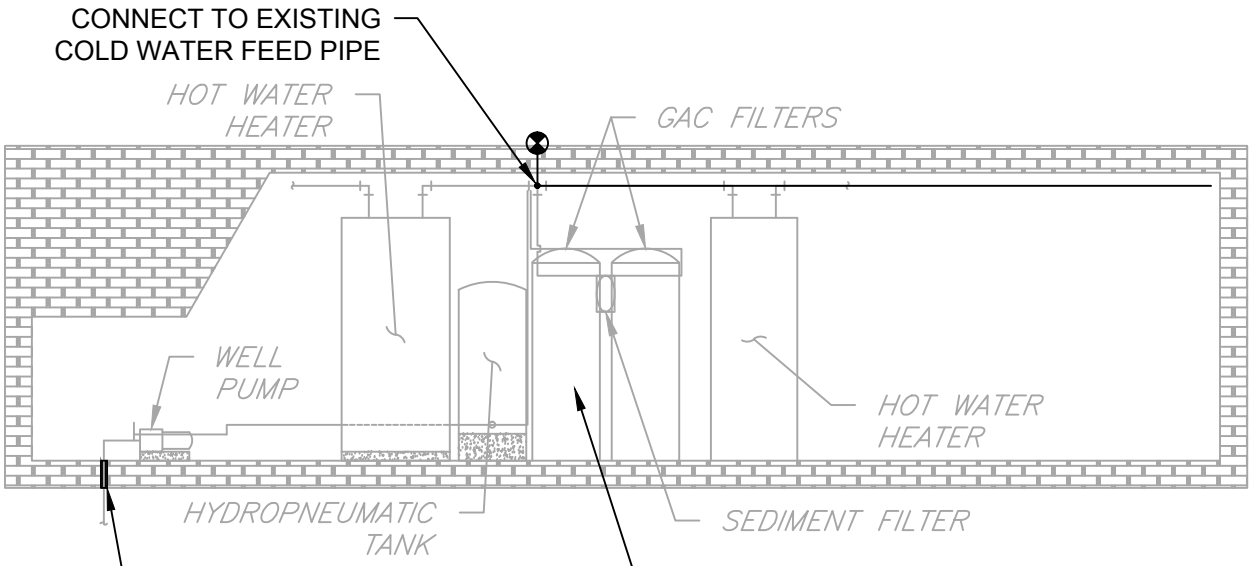
TOWN OF DURHAM
168 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	168 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

WEST VIEW



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
168 MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION A VIEW

PROJECT NO:	60275749
CAD FILE:	168 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

NORTH VIEW

B
2

SECTION B-B

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
168 MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION B VIEW

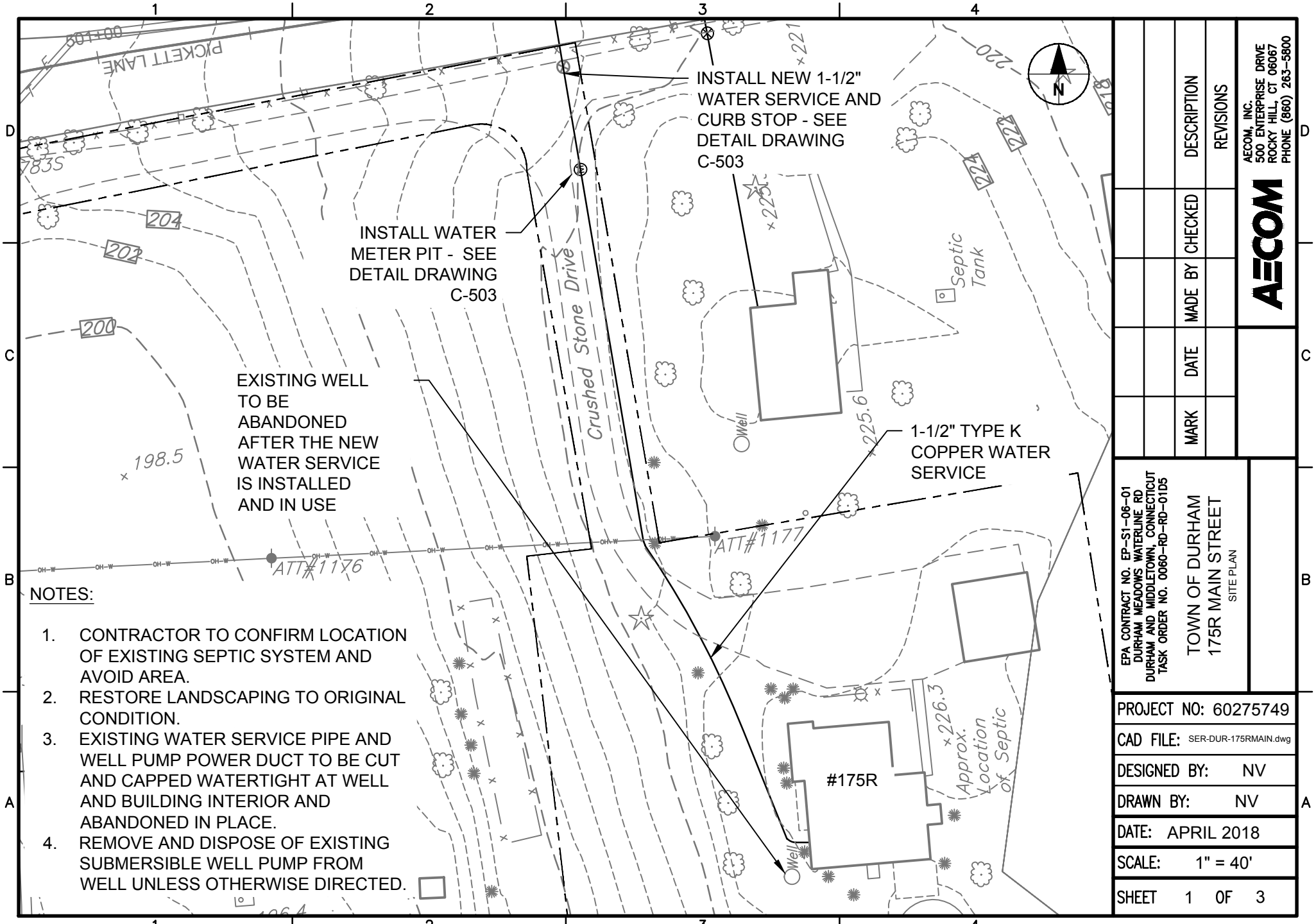
PROJECT NO:	60275749
CAD FILE:	168 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

Page intentionally left blank

175R Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

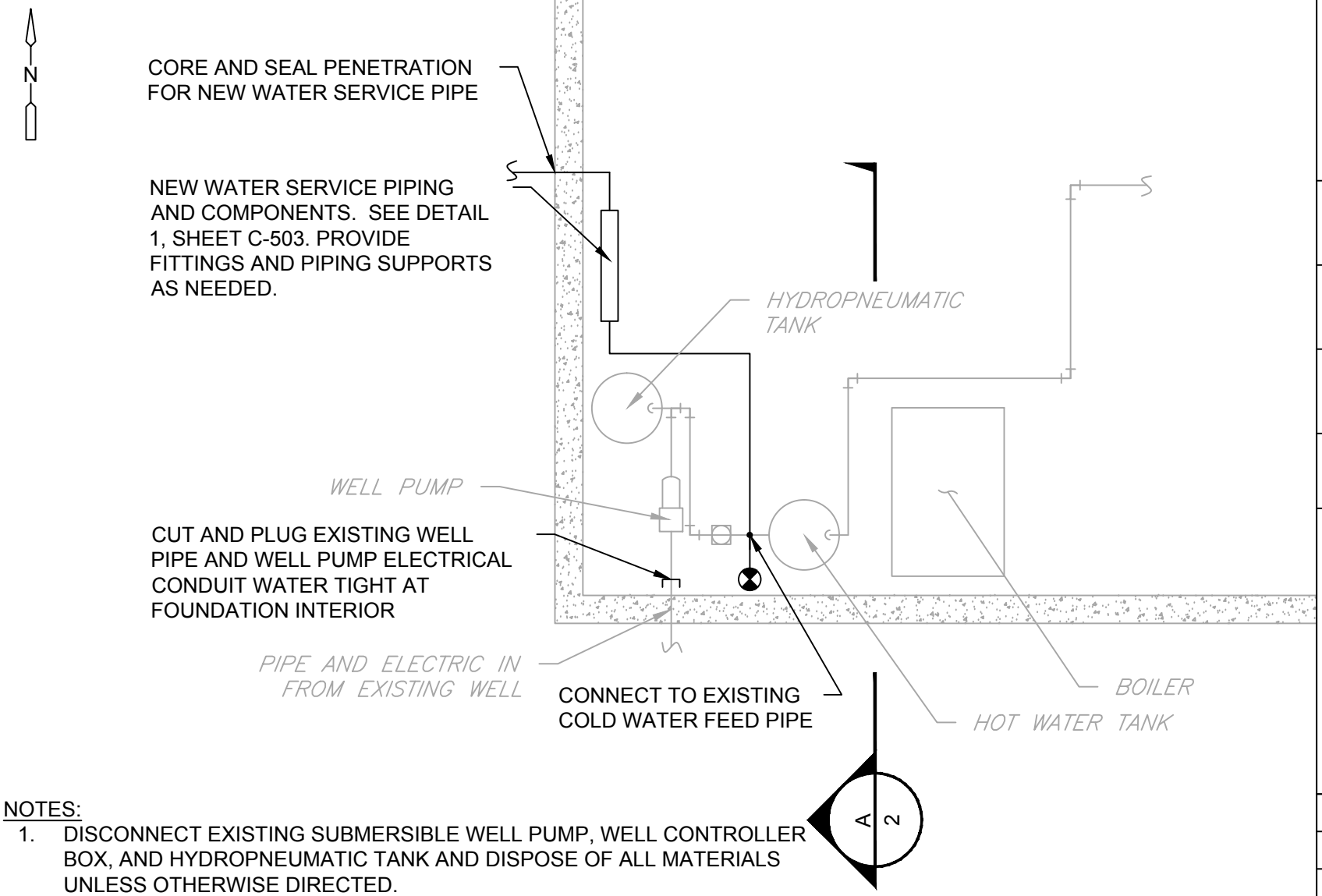
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
175R MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-175RMAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23–Jan–18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX, AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

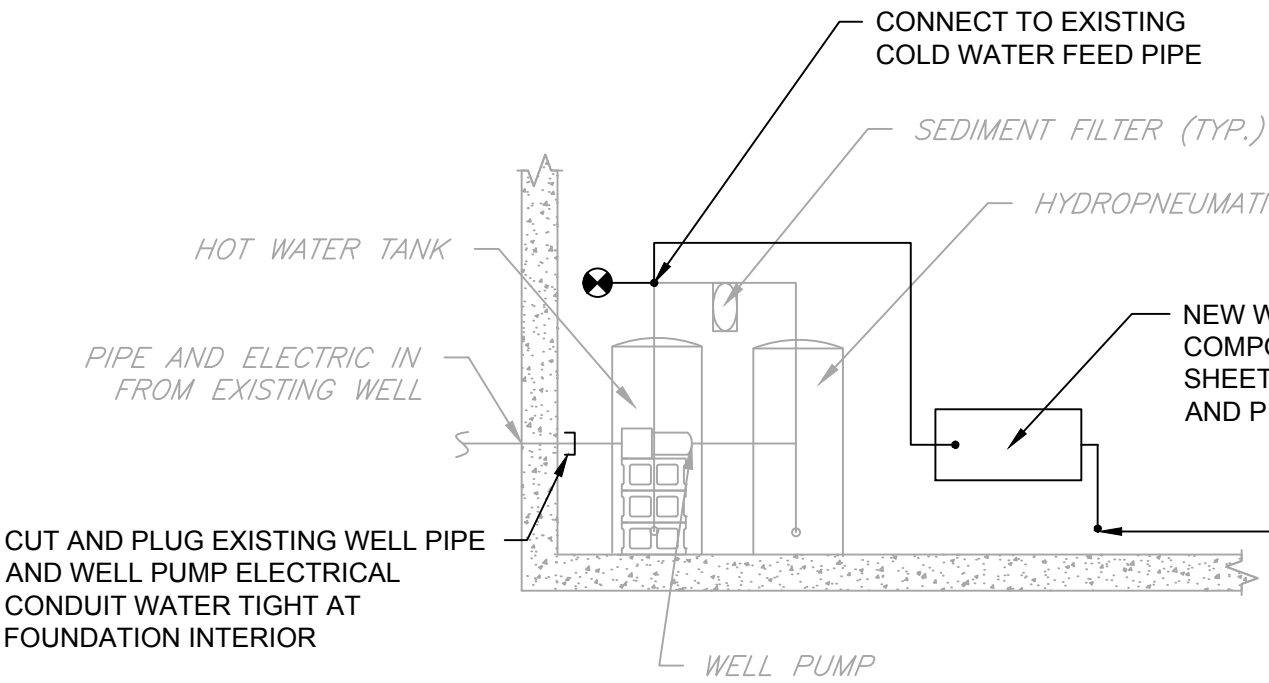
AECOM

EPA CONTRACT NO. EP–S1–06–01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060–RD–RD–01D5

TOWN OF DURHAM
175R MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO: 60275749
CAD FILE: 175R MAIN ST
DESIGNED BY: NV
DRAWN BY: NV
DATE: JANUARY 2018
SCALE: 1/4" = 1' - 0"
SHEET 2 OF 3

PLOTTED: 23-Jan-18



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

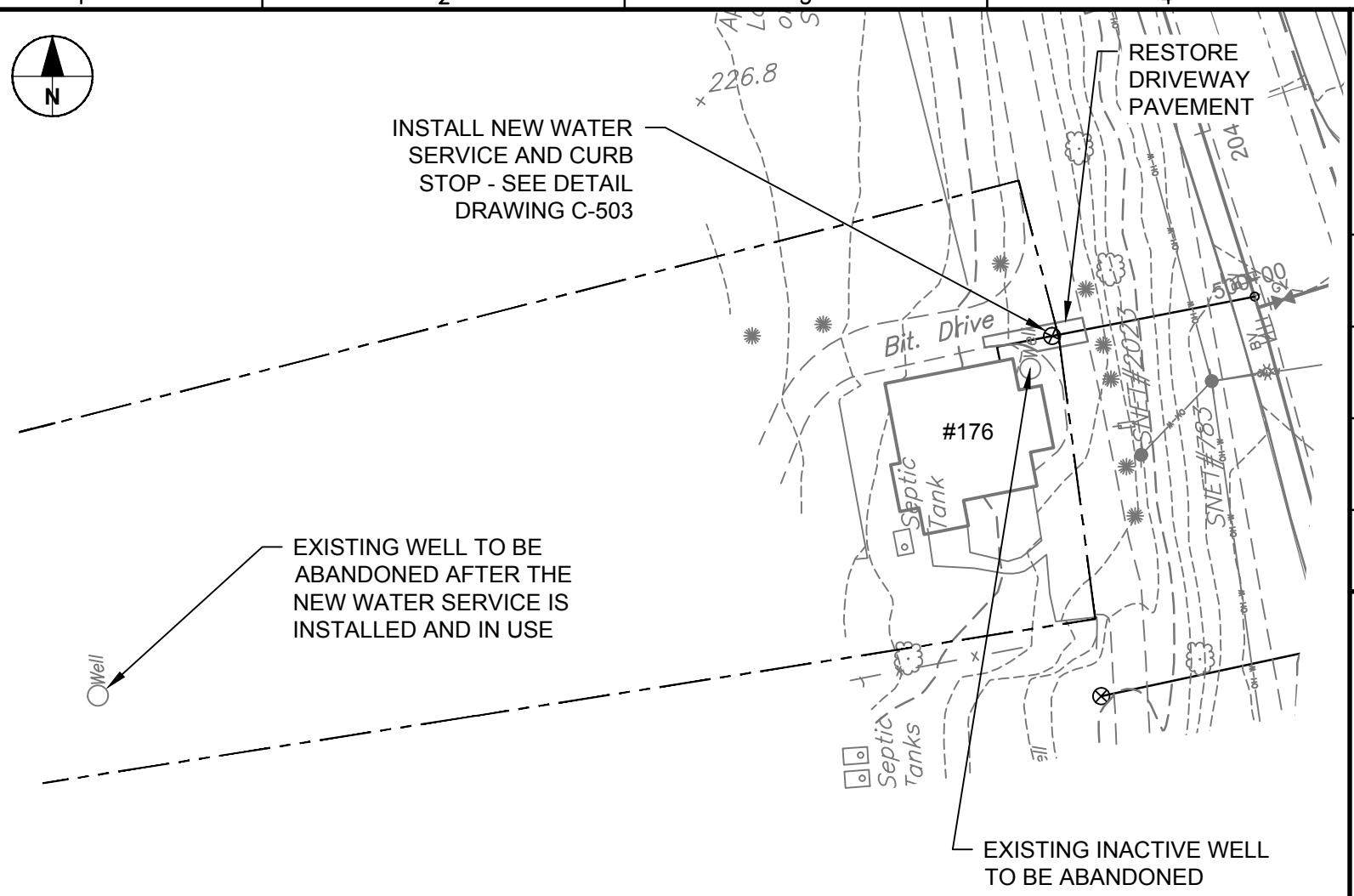
TOWN OF DURHAM
175R MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	175R MAIN ST
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

176 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

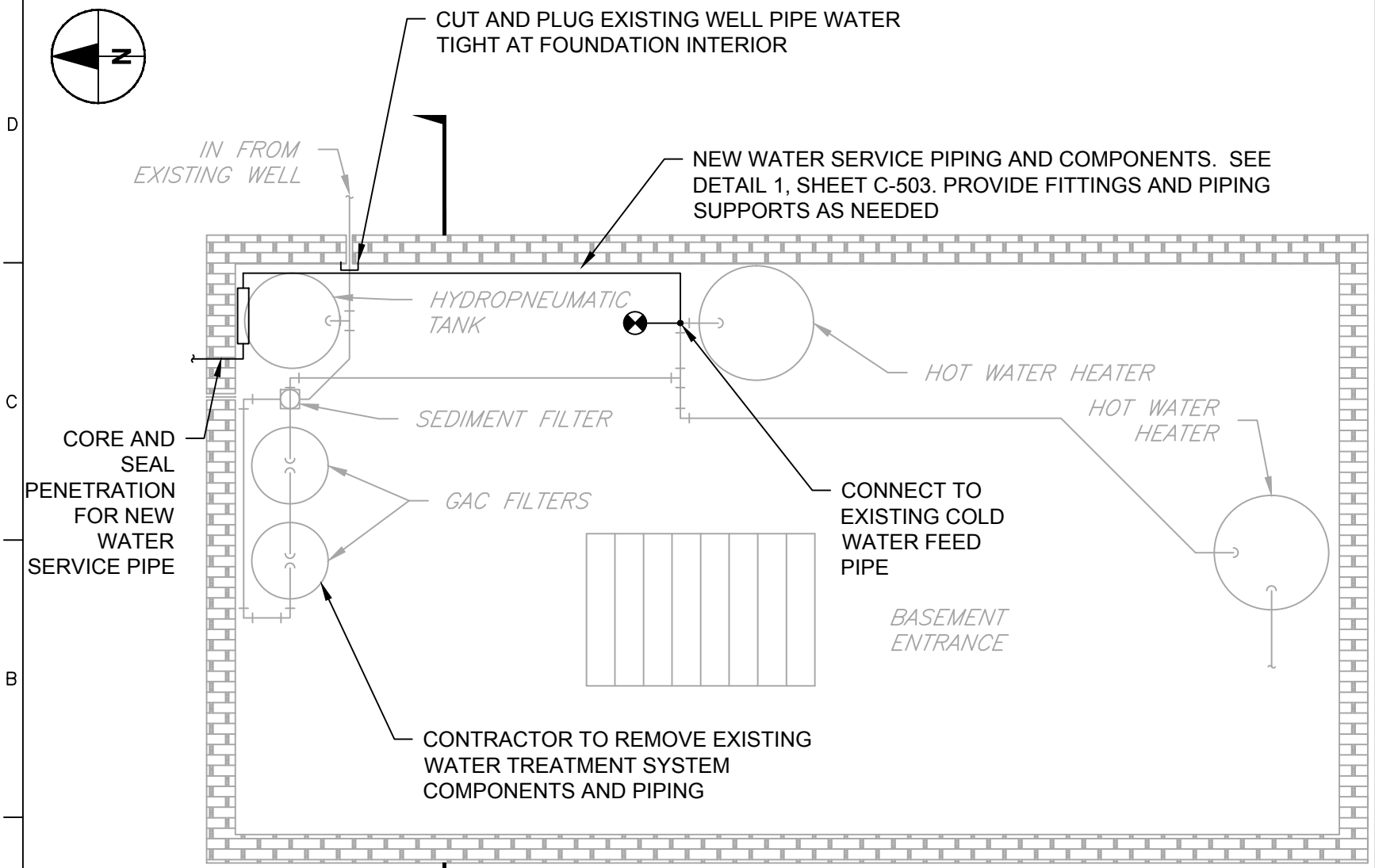
TOWN OF DURHAM
176 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-176MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

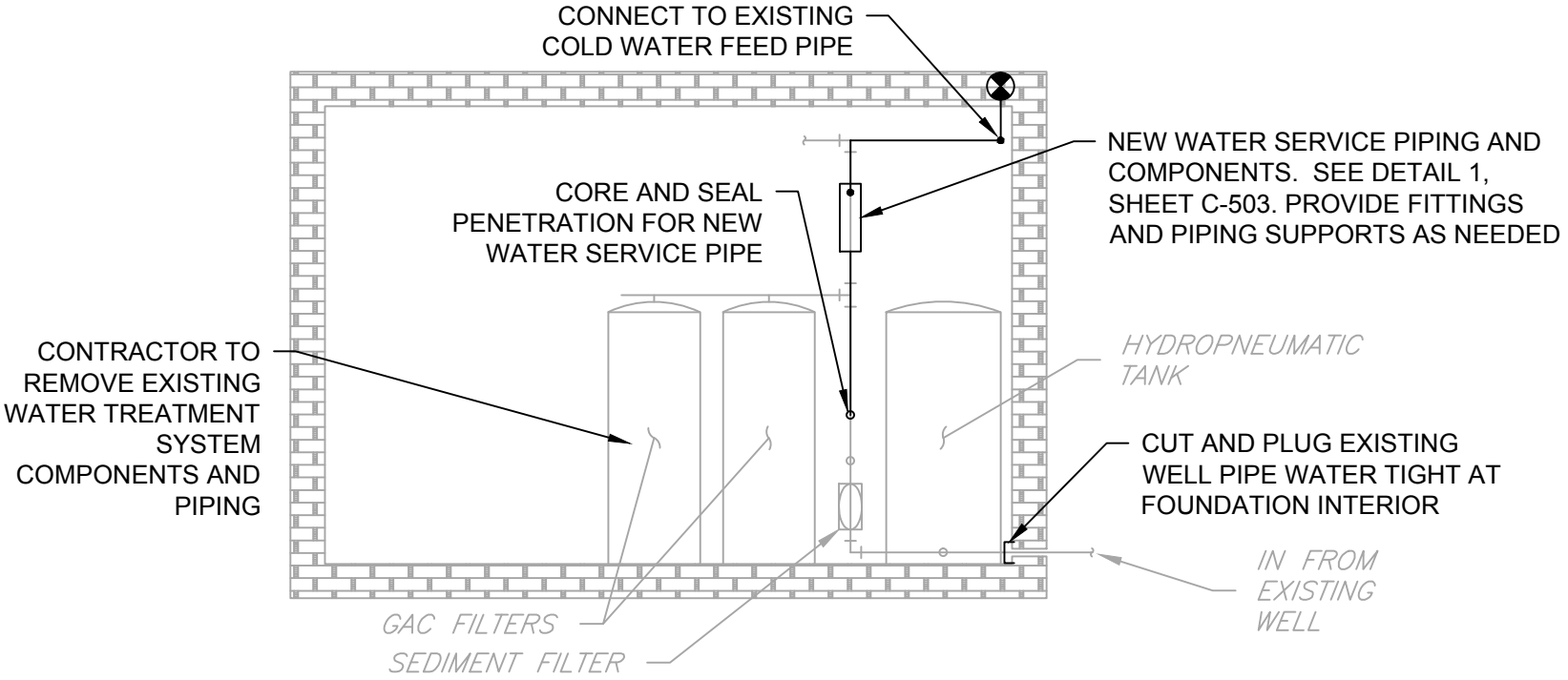
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
176 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	176 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

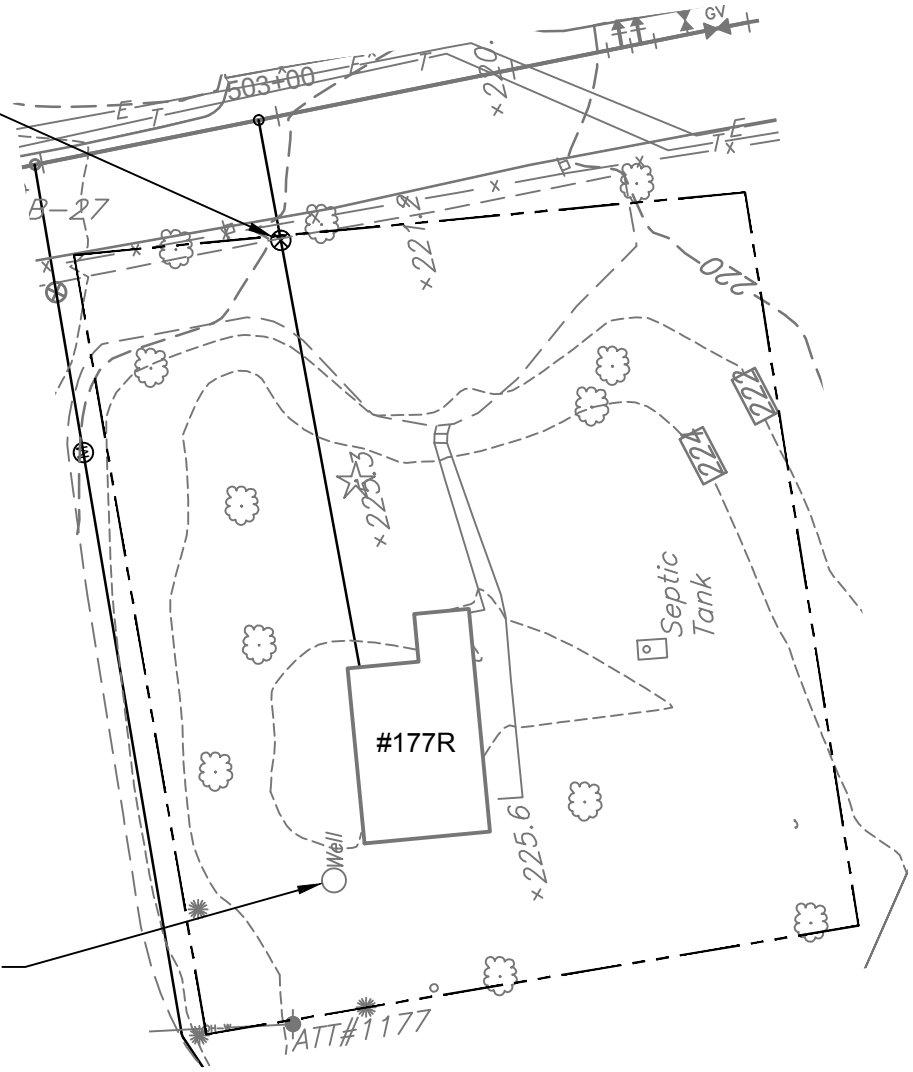
TOWN OF DURHAM
176 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	176 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

177R Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
177R MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-177RMAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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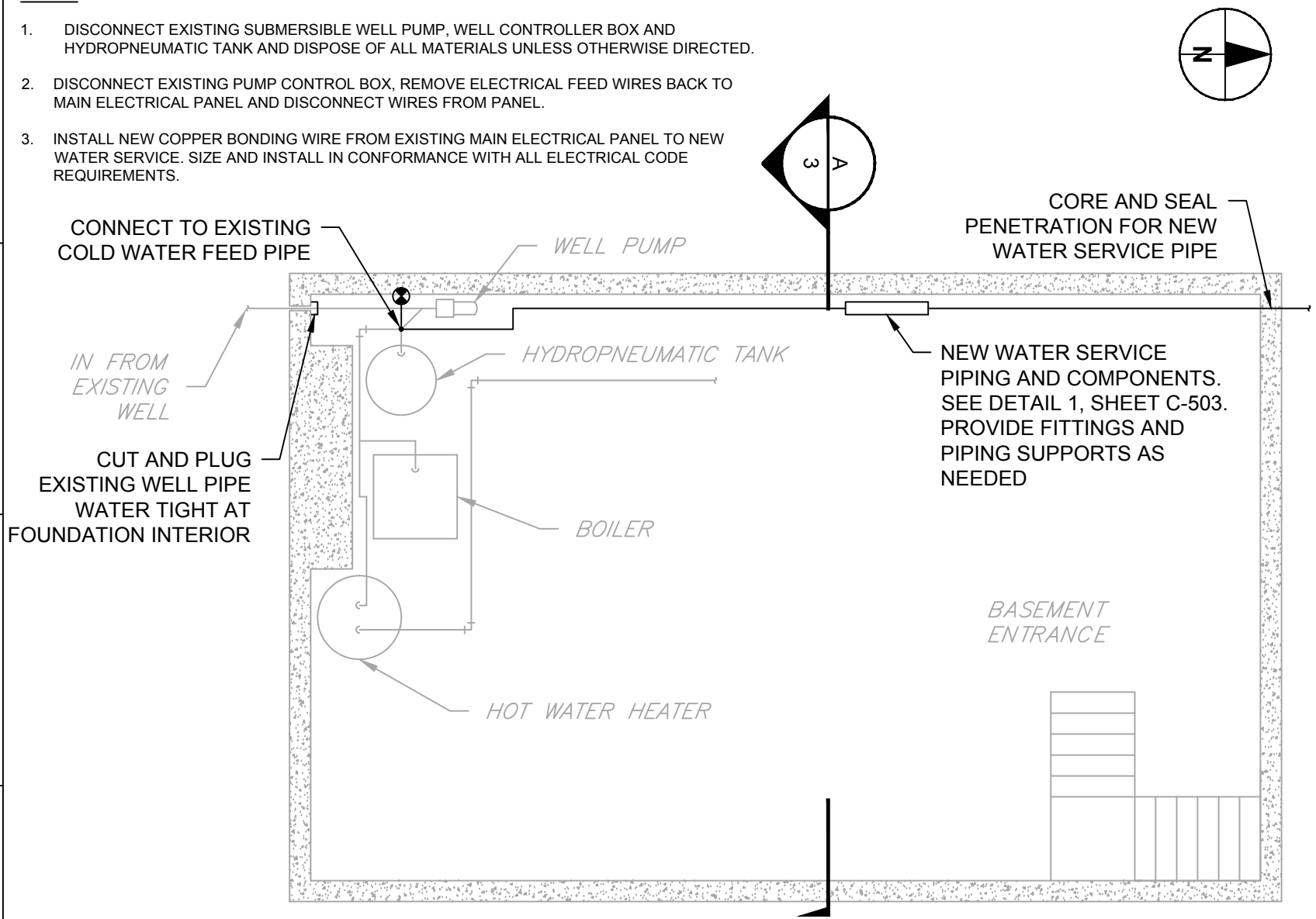
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

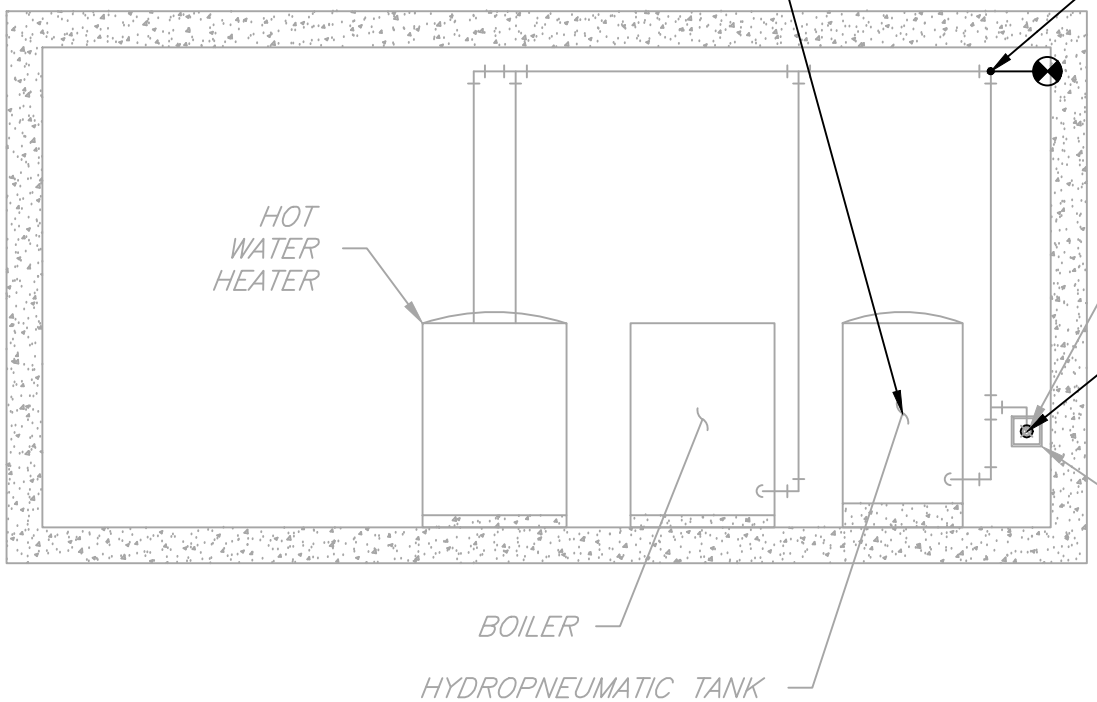
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
177R MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	177R Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

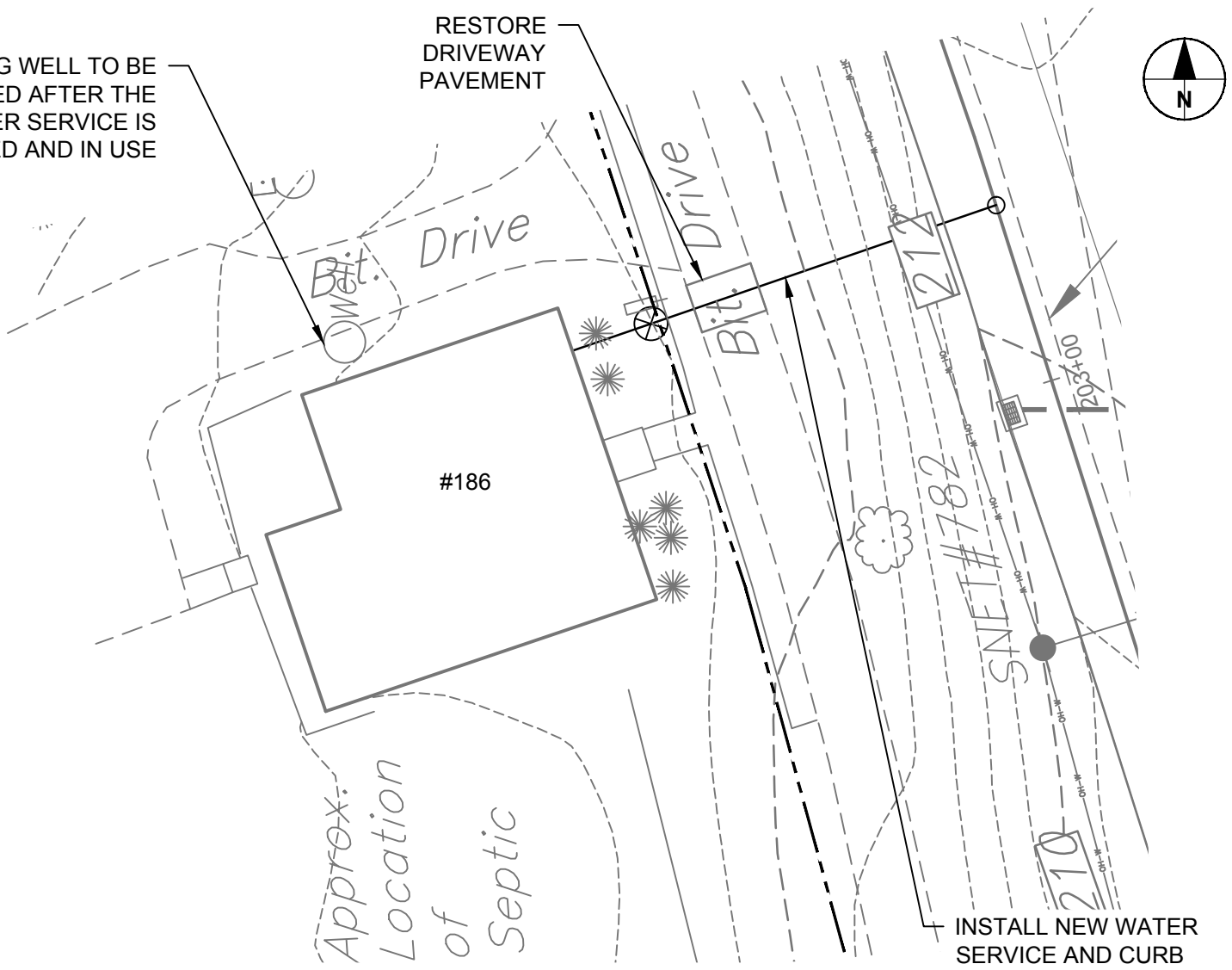
TOWN OF DURHAM
177R MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	177R Main St.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

186 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

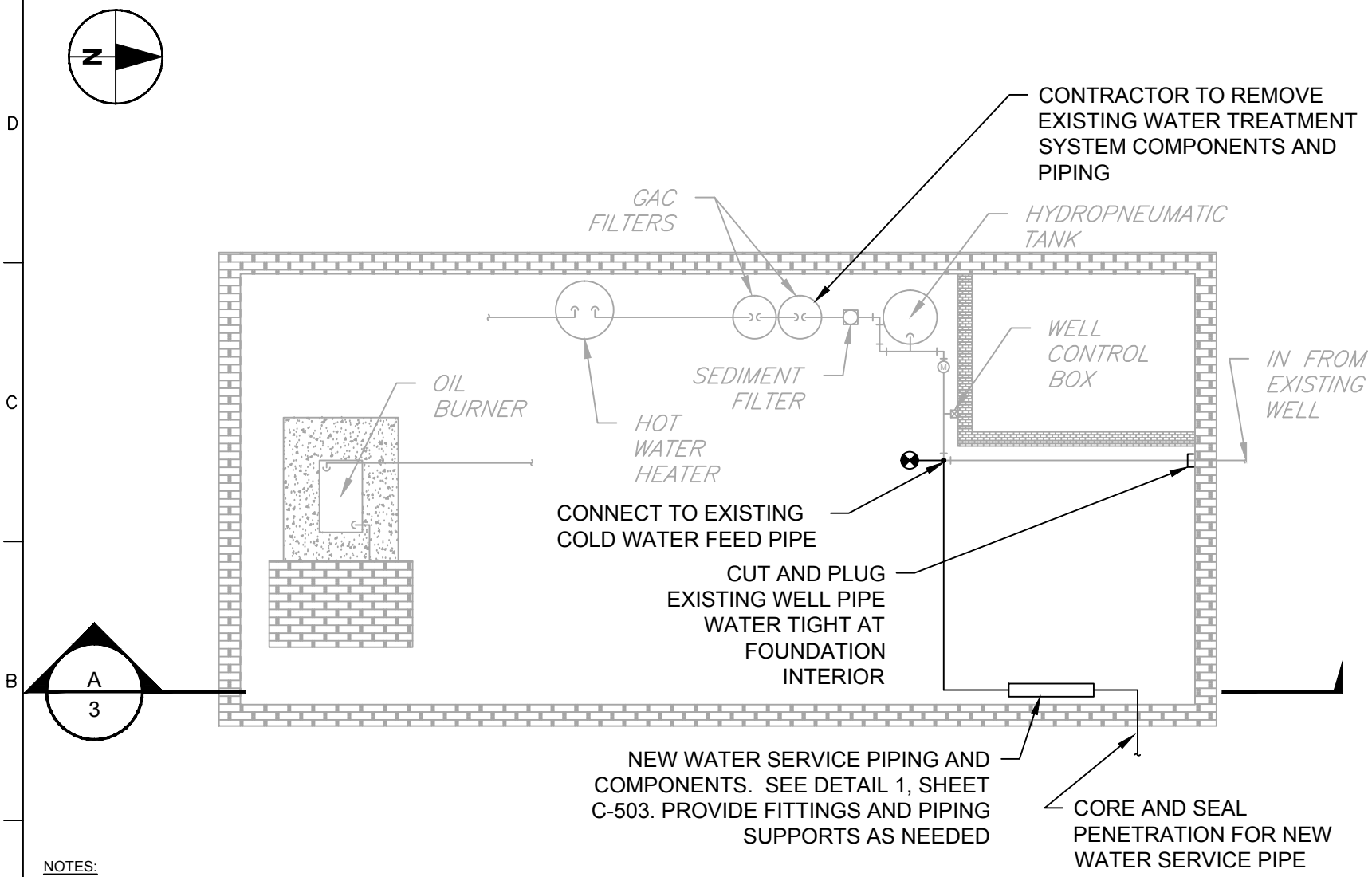
TOWN OF DURHAM
186 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-186MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

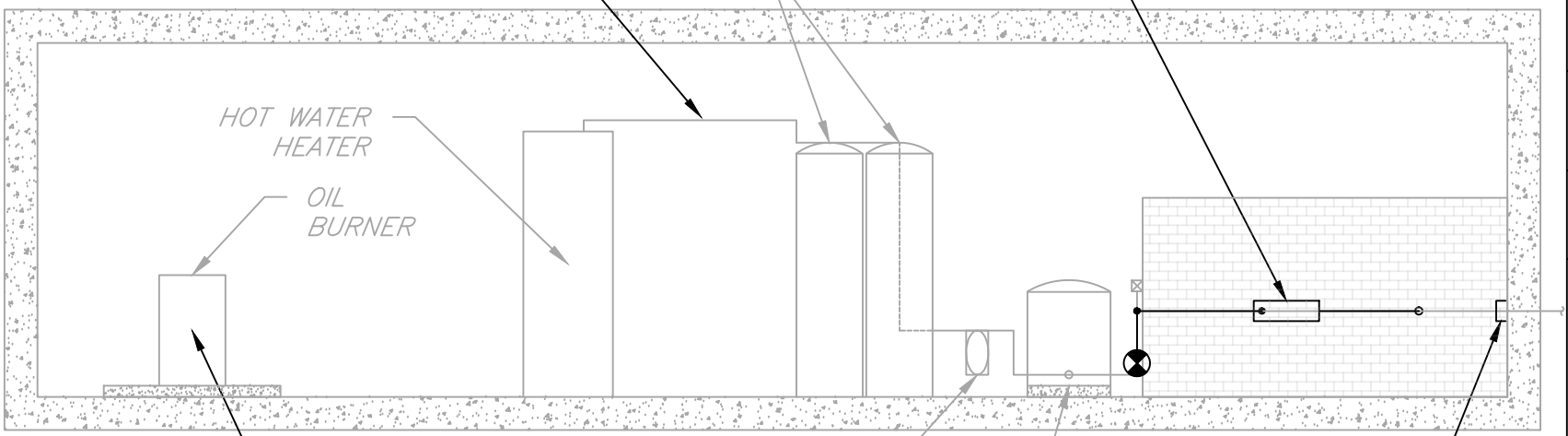
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
186 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	186 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

WEST VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
186 MAIN ST.

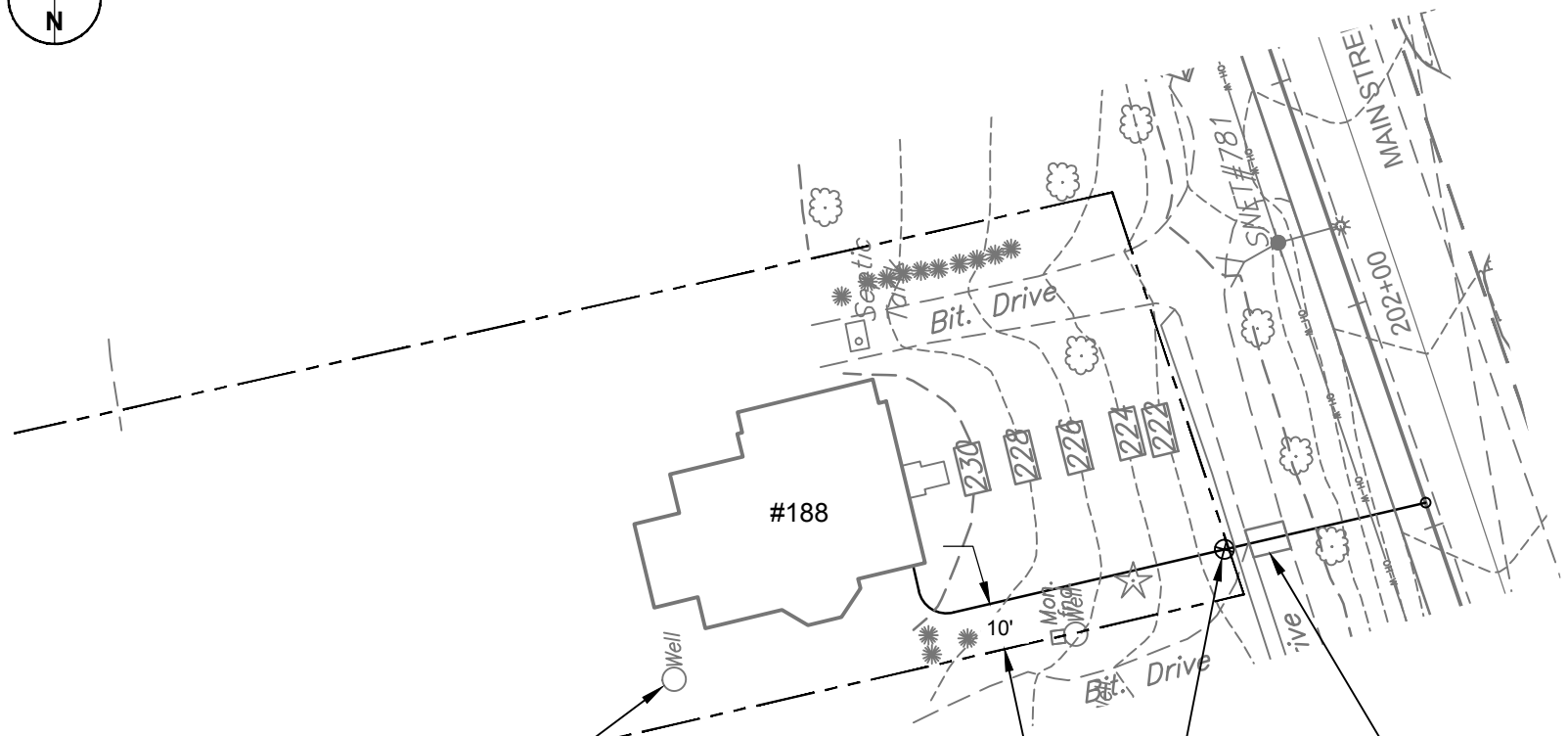
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	186 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

188 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

INSTALL NEW WATER SERVICE 10' FROM THE PROPERTY LINE TO ALLOW FOR USE OF FRONT YARD FOR FUTURE REPLACEMENT OF SEPTIC SYSTEM

INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

RESTORE DRIVEWAY PAVEMENT

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

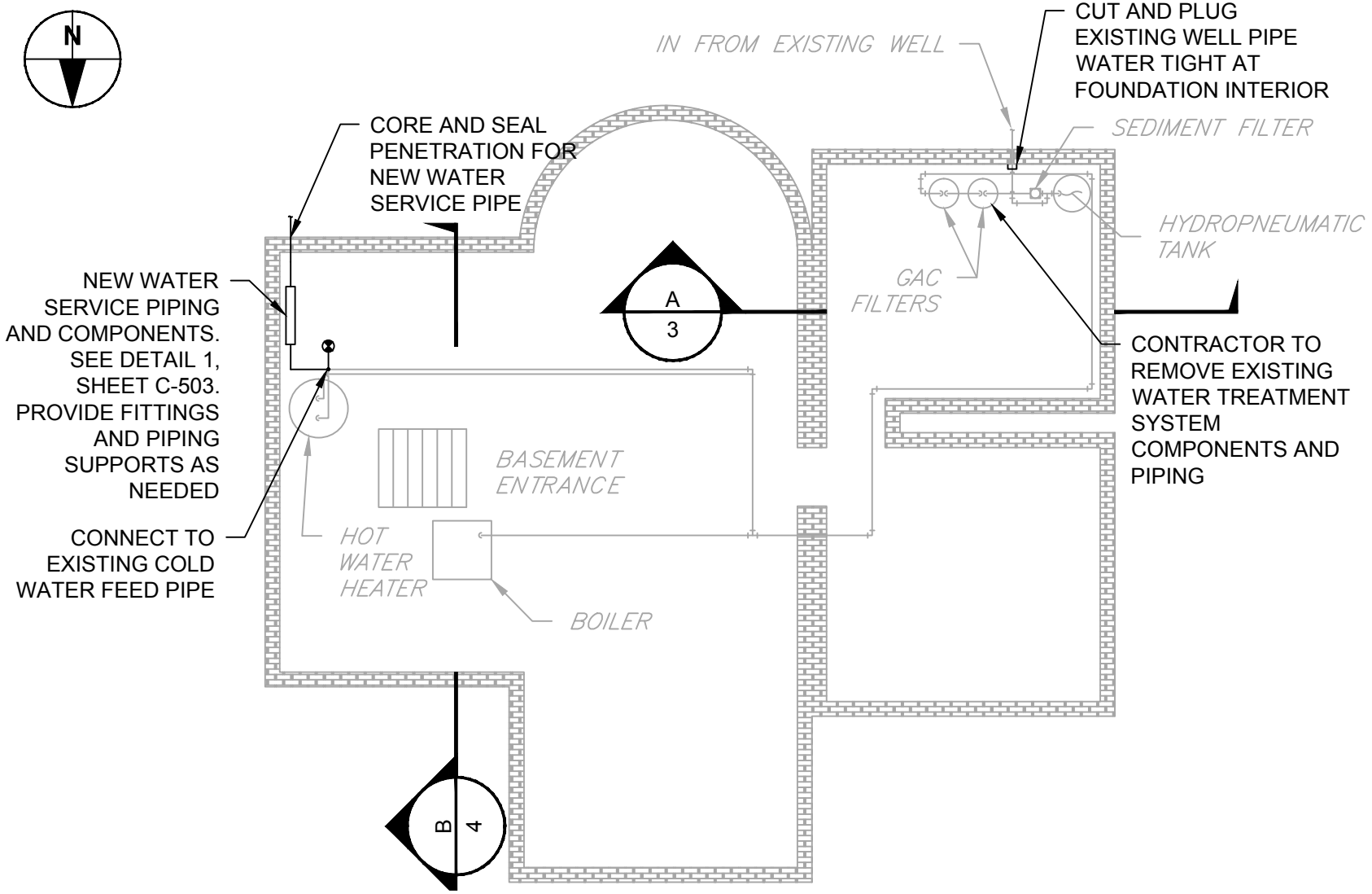
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
188 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-188MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 4

PLOTTED: 23-Jan-18



NOTES:

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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

0 8 16

SCALE: 1/8"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

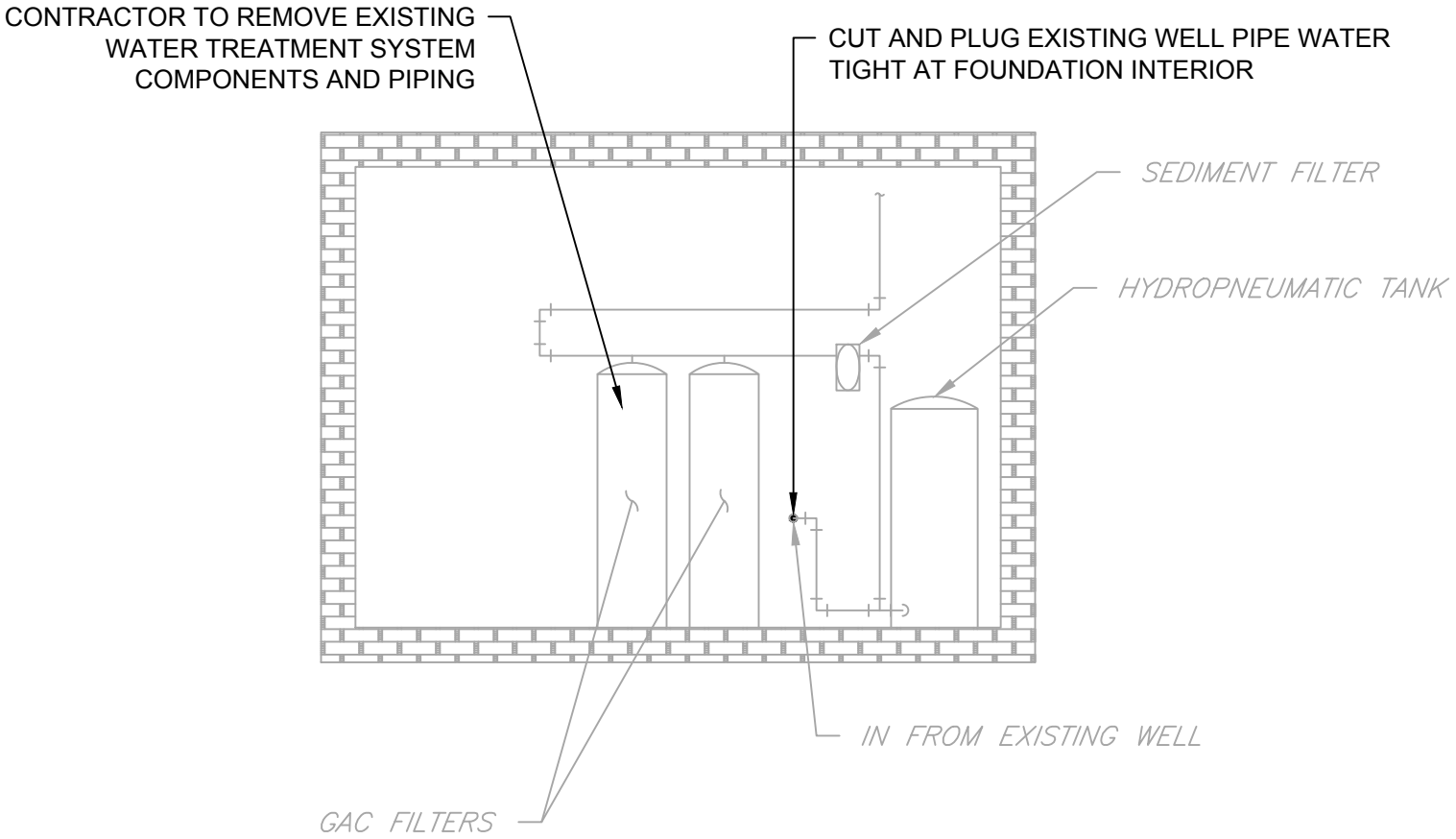
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
188 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	188 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

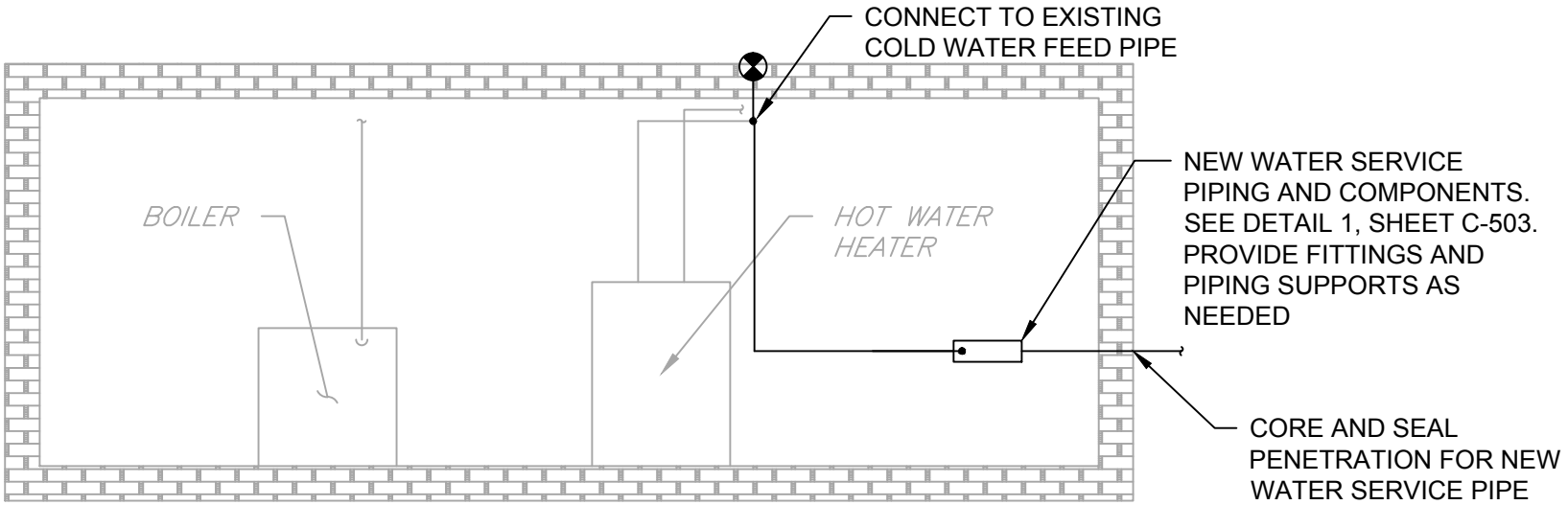
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
188 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	188 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

EAST VIEW



B
2

SECTION B-B

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
188 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	188 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

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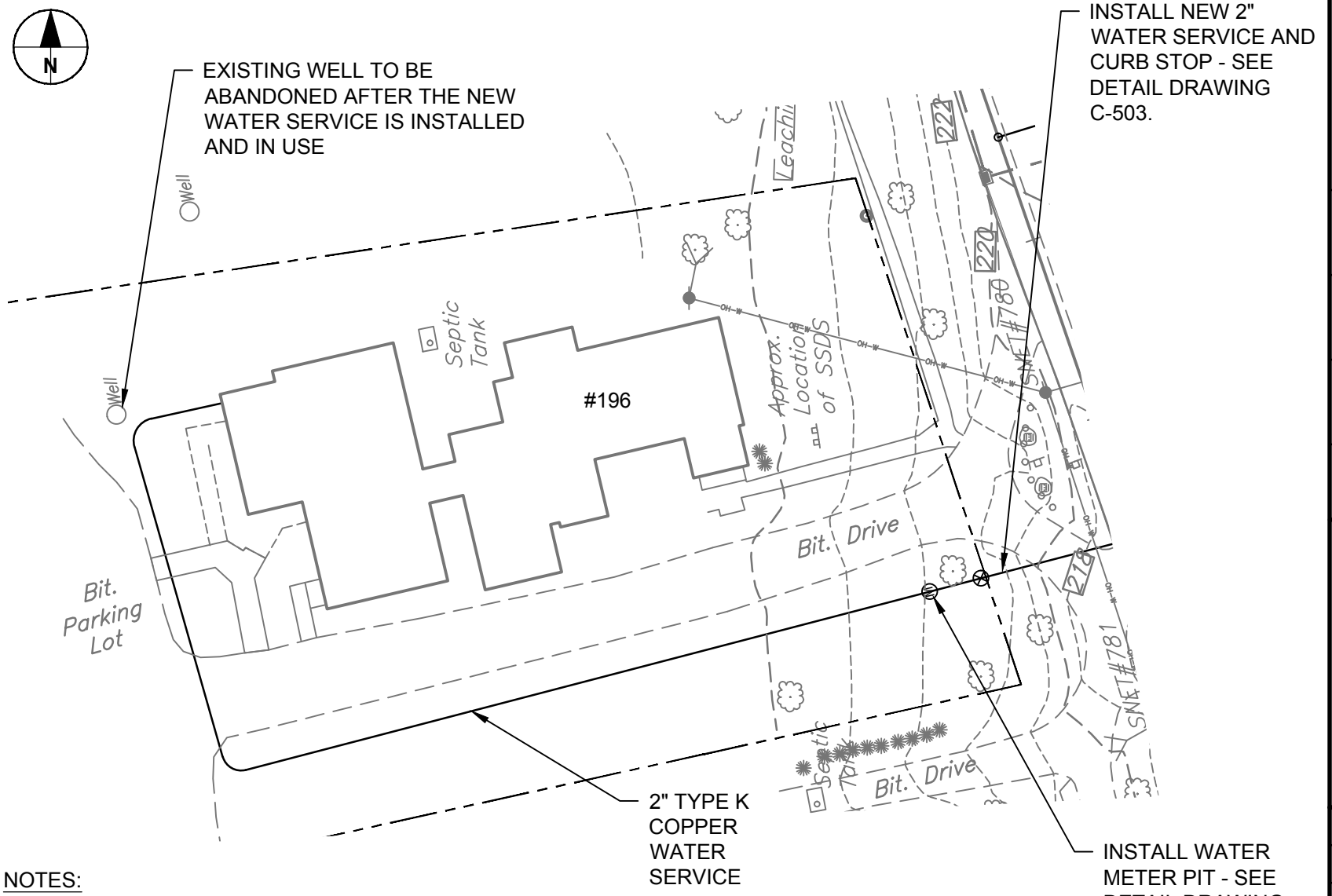
196 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OFEXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

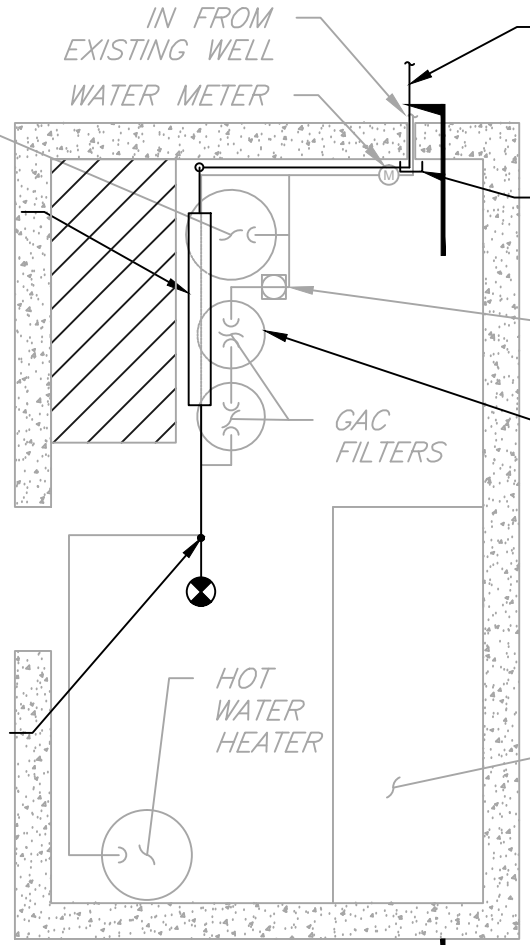
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
196 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-196MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23–Jan–18



INSTALL NEW WATER SERVICE IN EXISTING CONDUIT USED FOR WELL PIPE AND SEAL OPENING AT FOUNDATION INTERIOR

CUT AND PLUG EXISTING WELL PIPE AND WELL PUMP ELECTRICAL CONDUIT AT INTERIOR

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING

CONNECT TO EXISTING COLD WATER FEED PIPE

A 3

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

0 4 8

SCALE: 1/4"=1'–0"

REV	DATE	MADE BY	MCC	DGS	ADDENDUM NO. 2
1	DEC 2016	CHECKED			

REVISIONS | DESCRIPTION

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

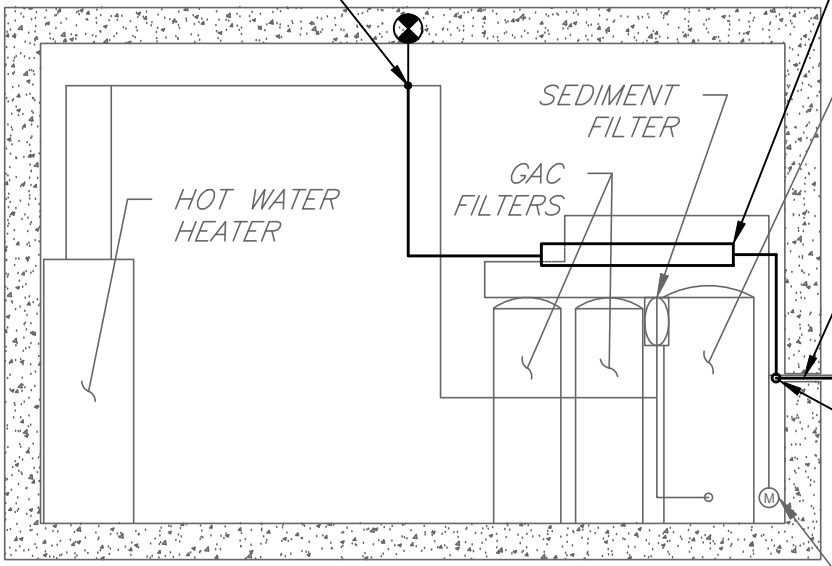
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
196 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	196 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

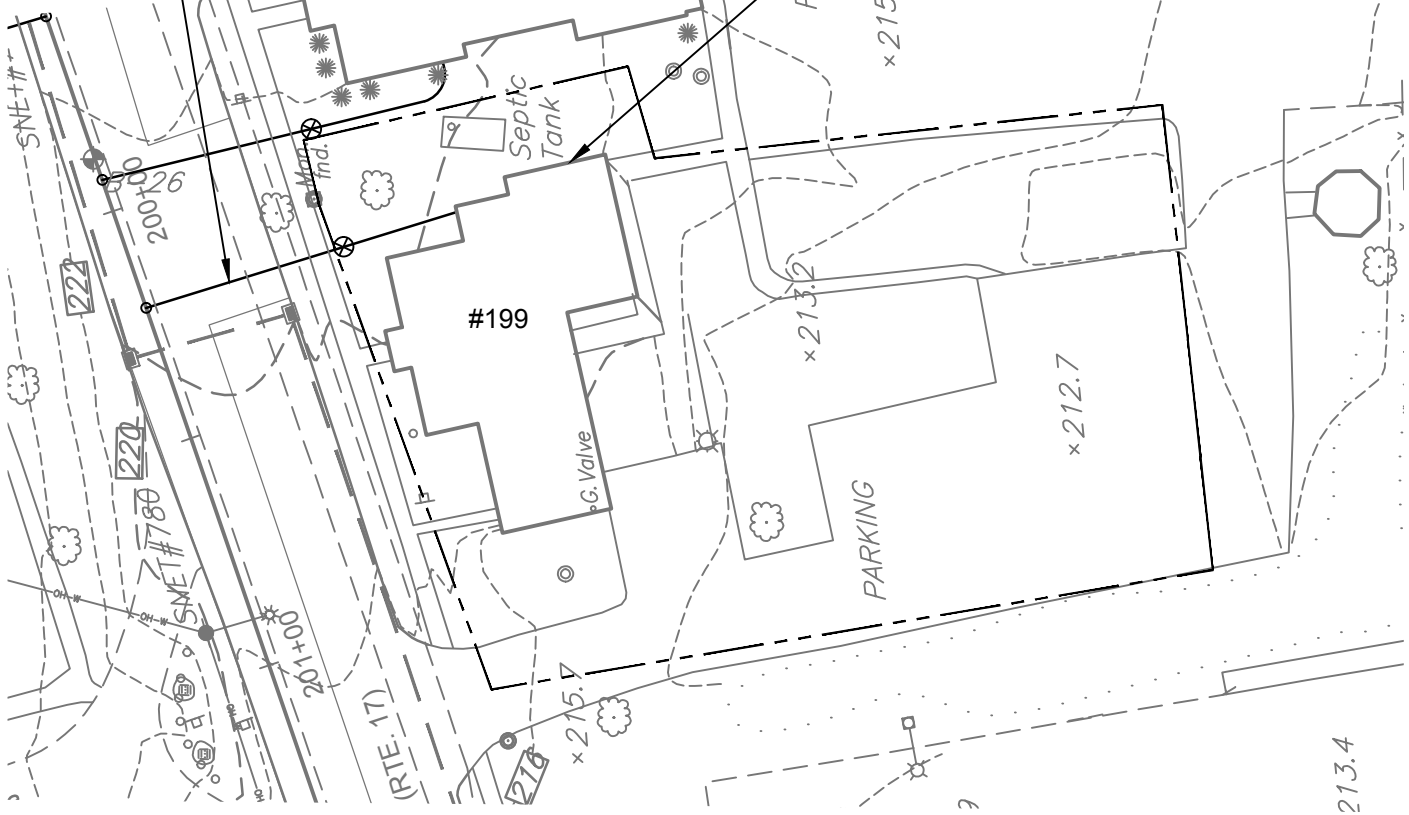
TOWN OF DURHAM
196 MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

199 Main Street

PLOTTED: 23-Jan-18



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

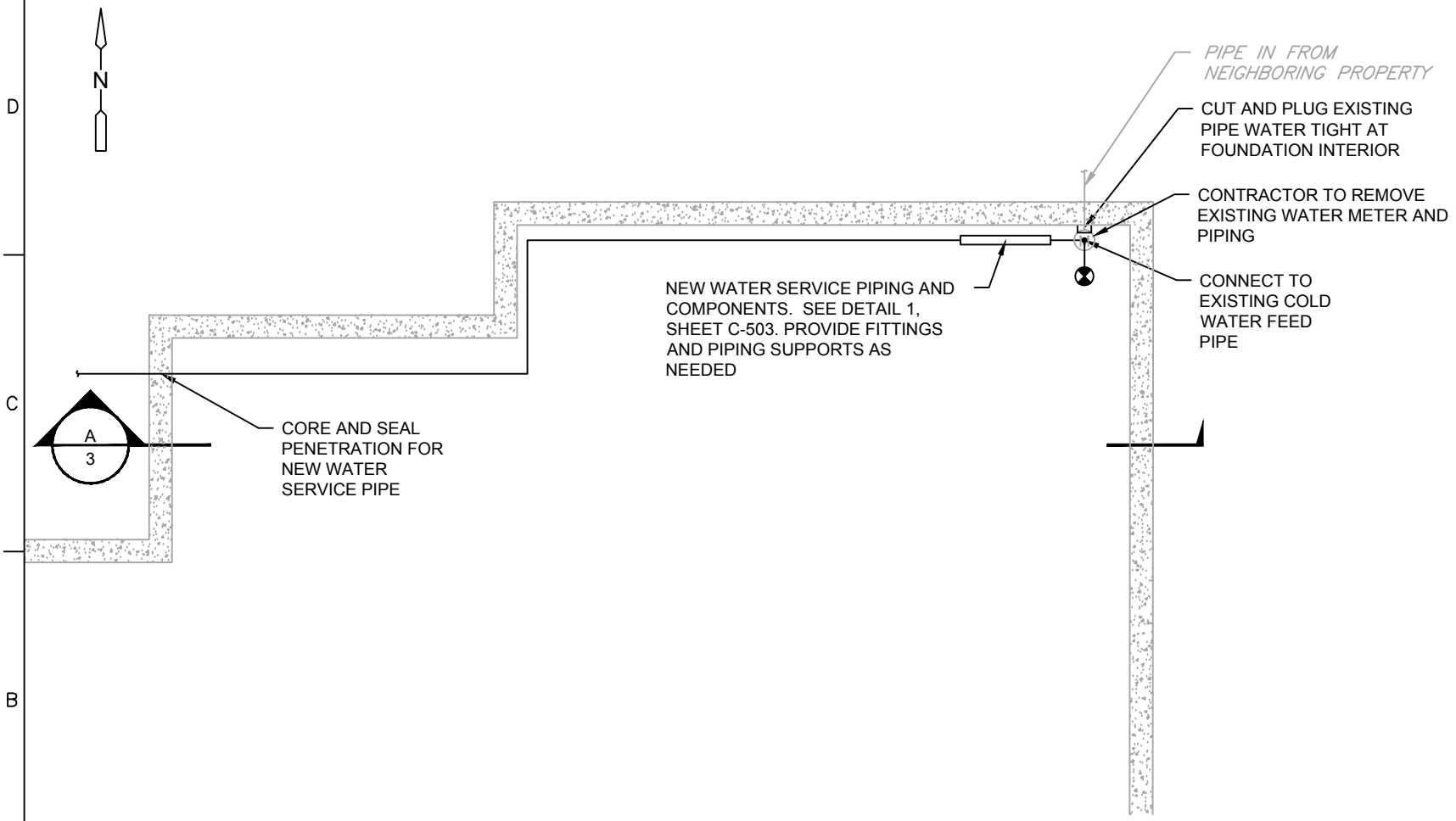
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
199 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-199MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. REMOVE EXISTING SERVICE FROM 203R MAIN STREET.
2. REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

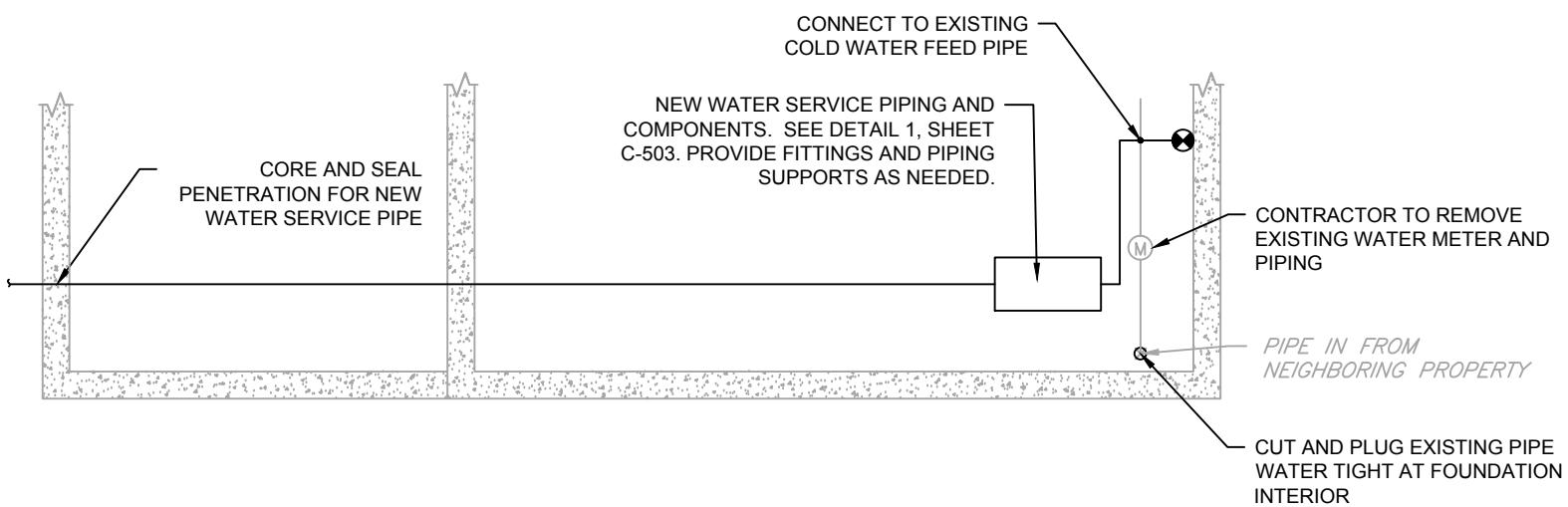
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
199 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	199 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

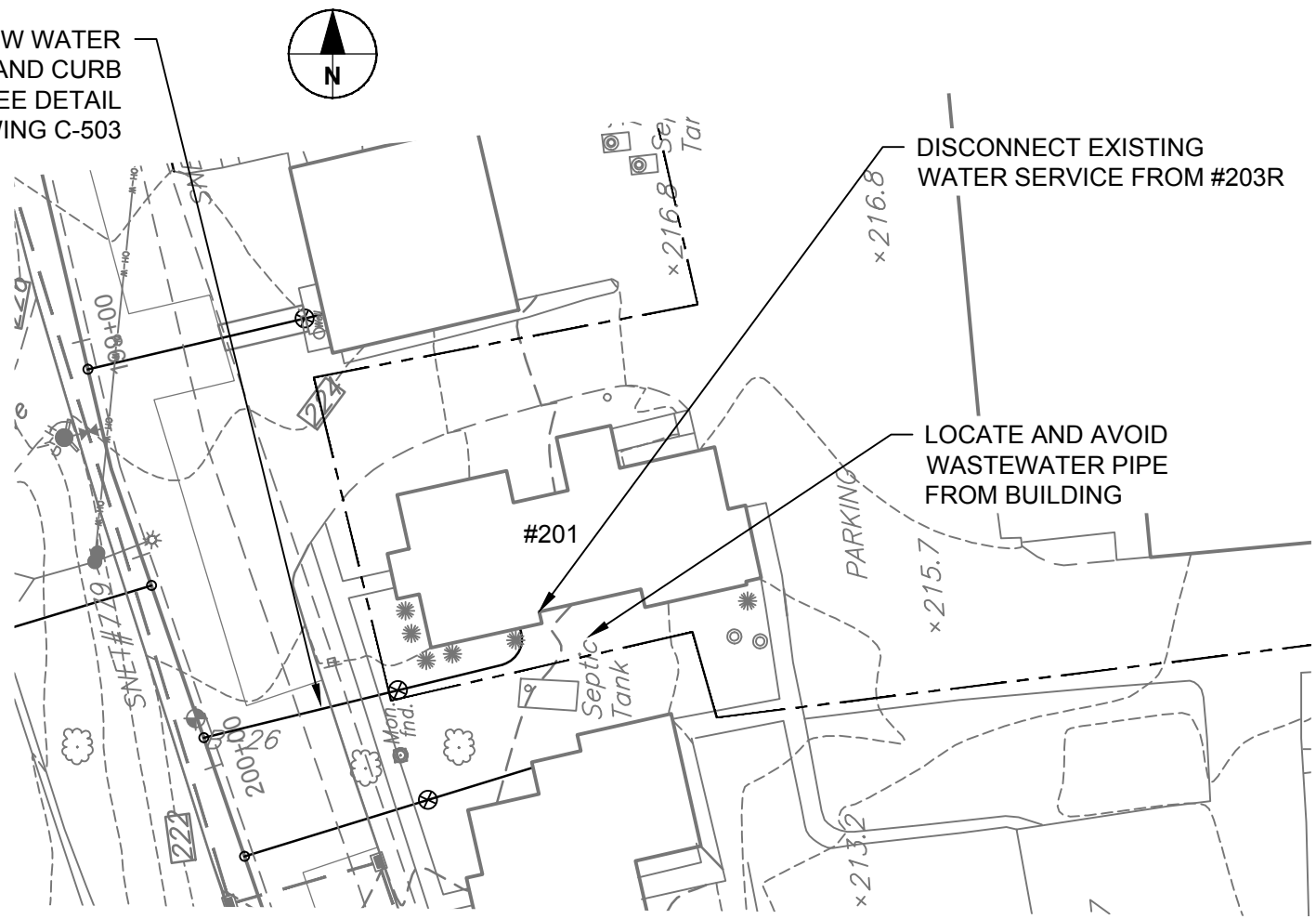
TOWN OF DURHAM
199 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	199 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

201 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE FROM 203R MAIN STREET TO BE CUT AND CAPPED WATERTIGHT AT BUILDING INTERIOR AND ABANDONED IN PLACE.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

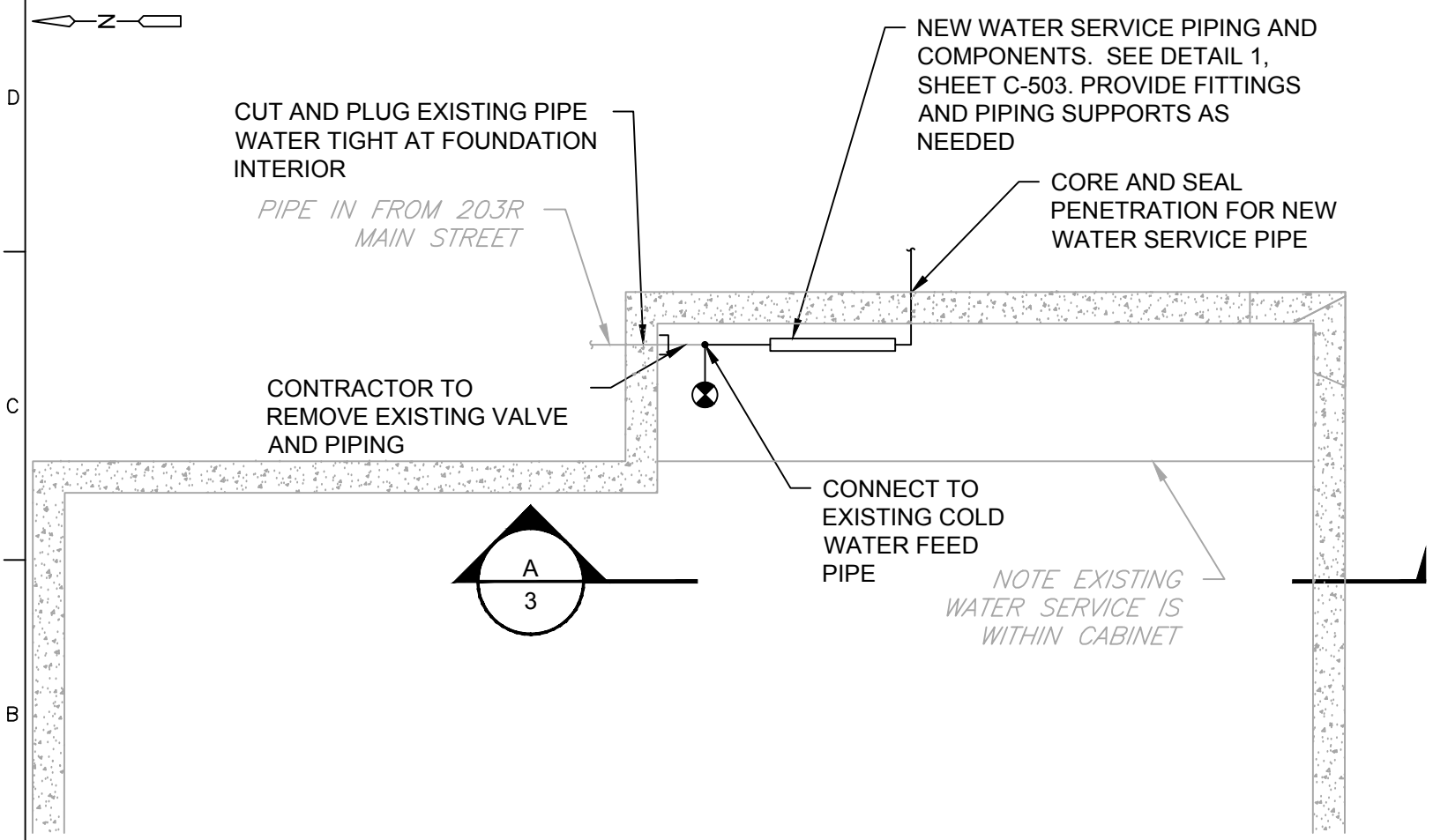
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
201 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-201MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. REMOVE EXISTING SERVICE FROM 203R MAIN STREET.
2. REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL, AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE.REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

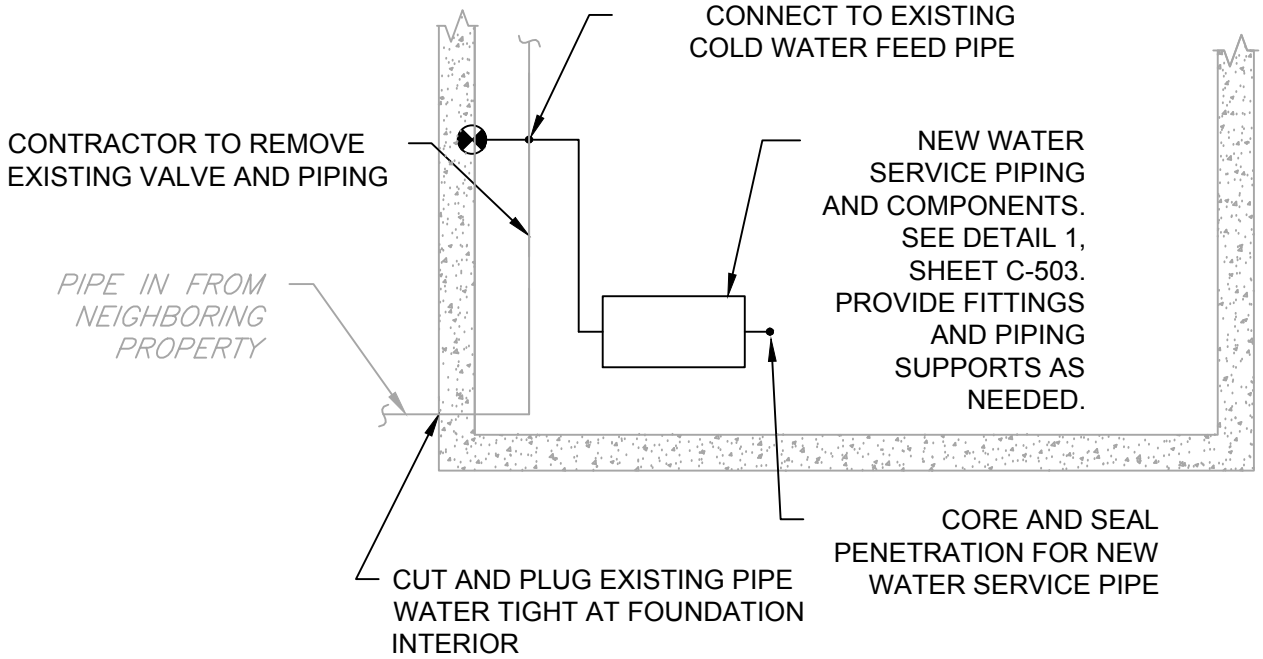
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
201 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	201 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

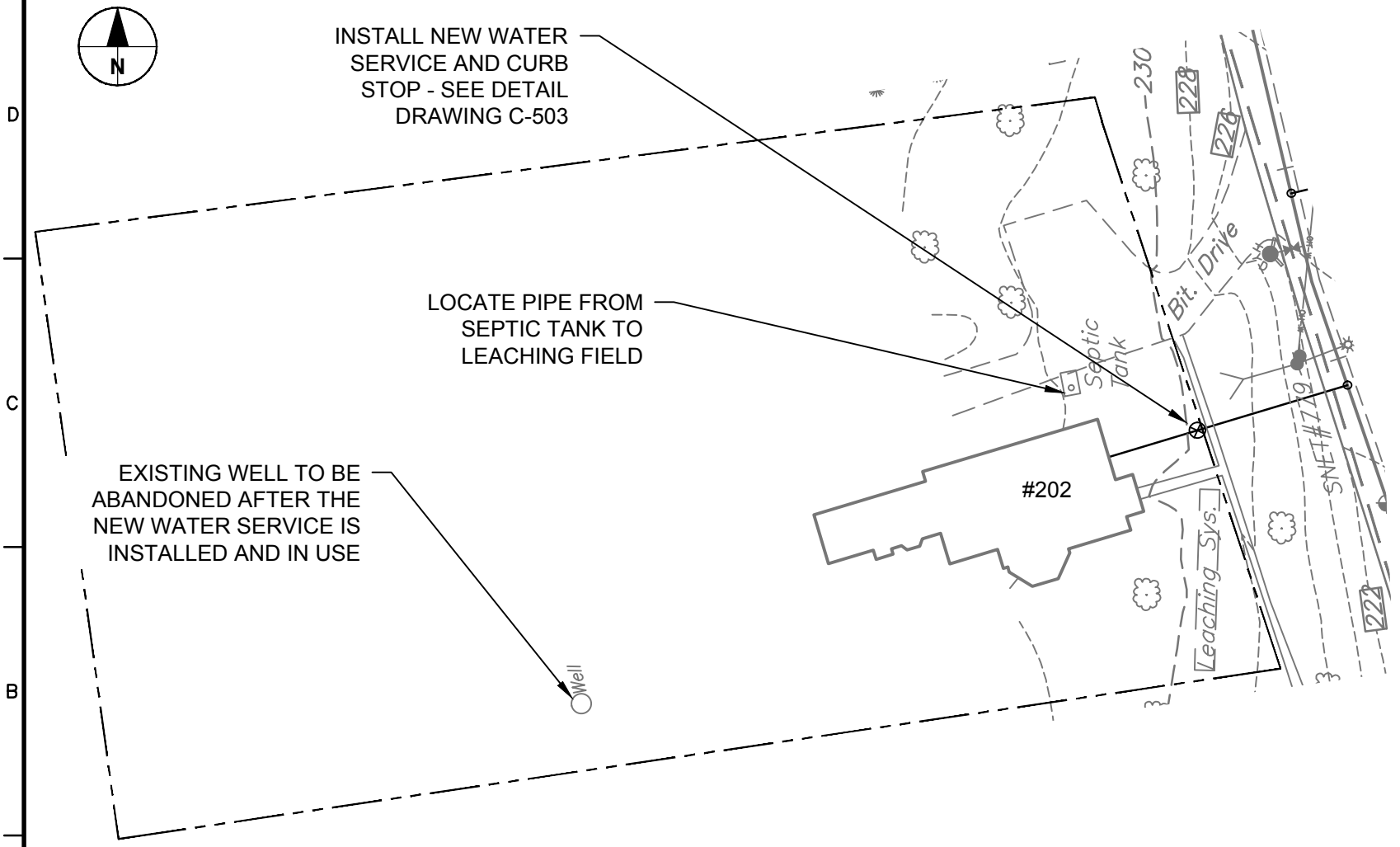
TOWN OF DURHAM
201 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	201 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

202 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
202 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-202MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

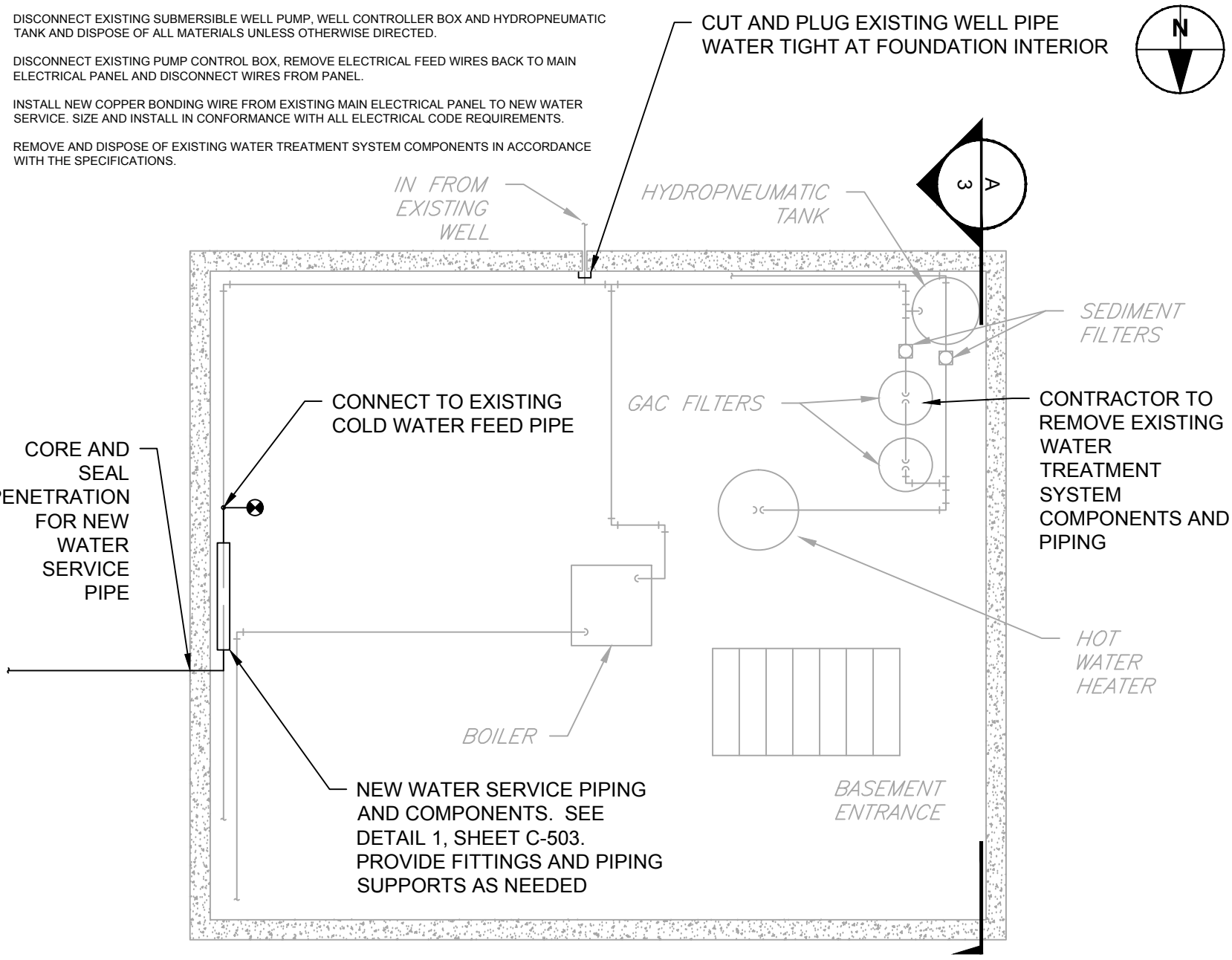
PLOTTED: 23–Jan–18

0 4 8 12

SCALE: 3/16"=1'–0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



REV	MARK	DATE	MADE BY	CHECKED	DESCRIPTION
1		DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

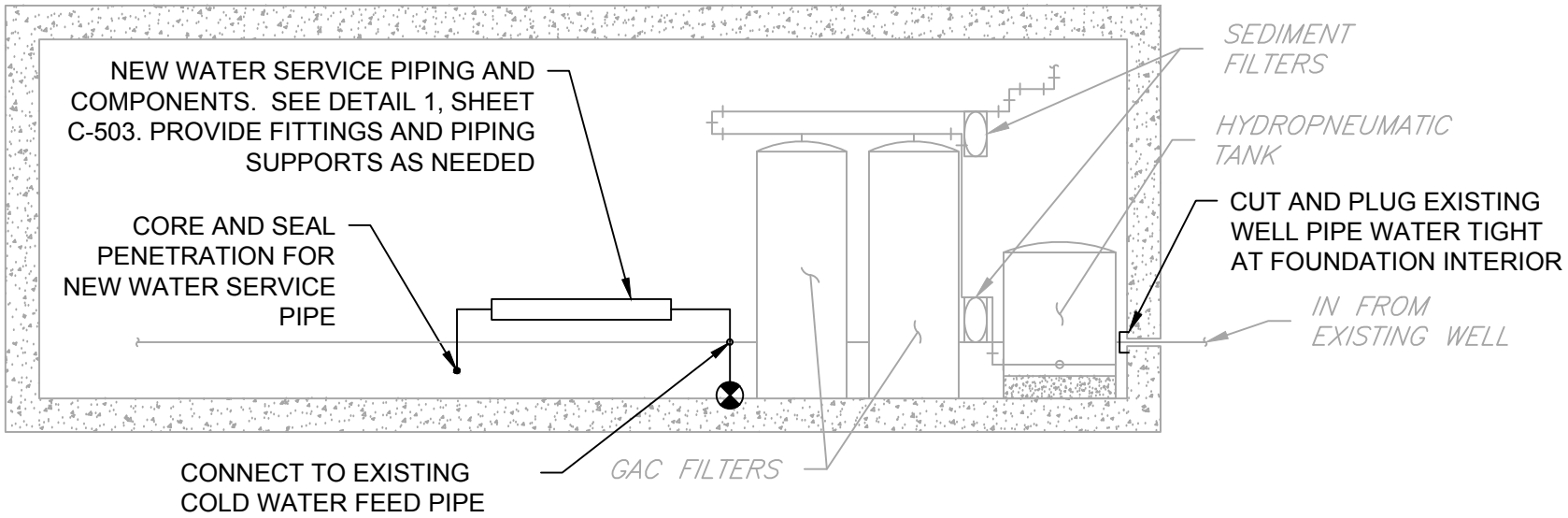
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
202 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	202 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

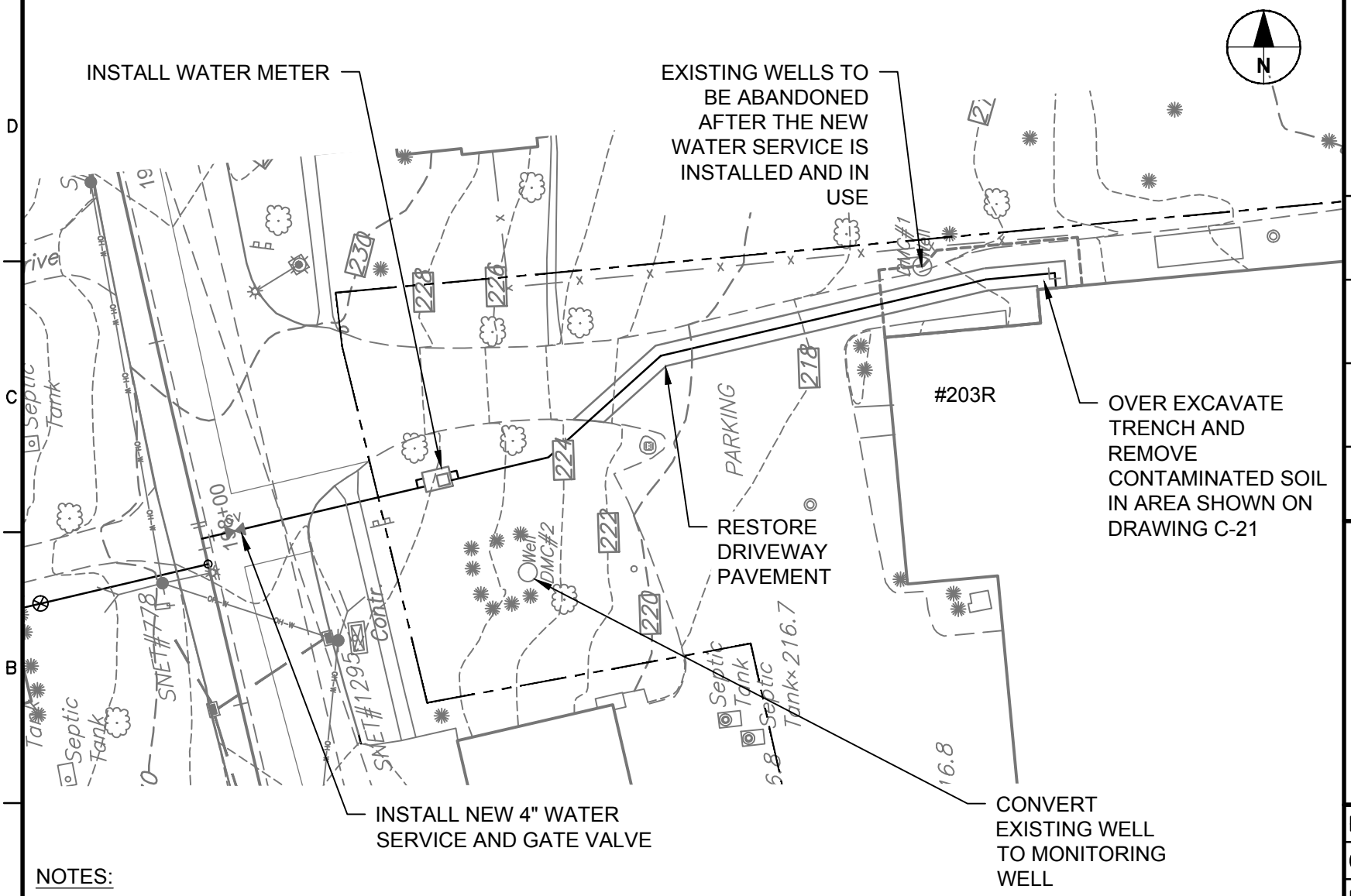
TOWN OF DURHAM
202 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	202 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

203 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS DIRECTED BY OWNER.

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

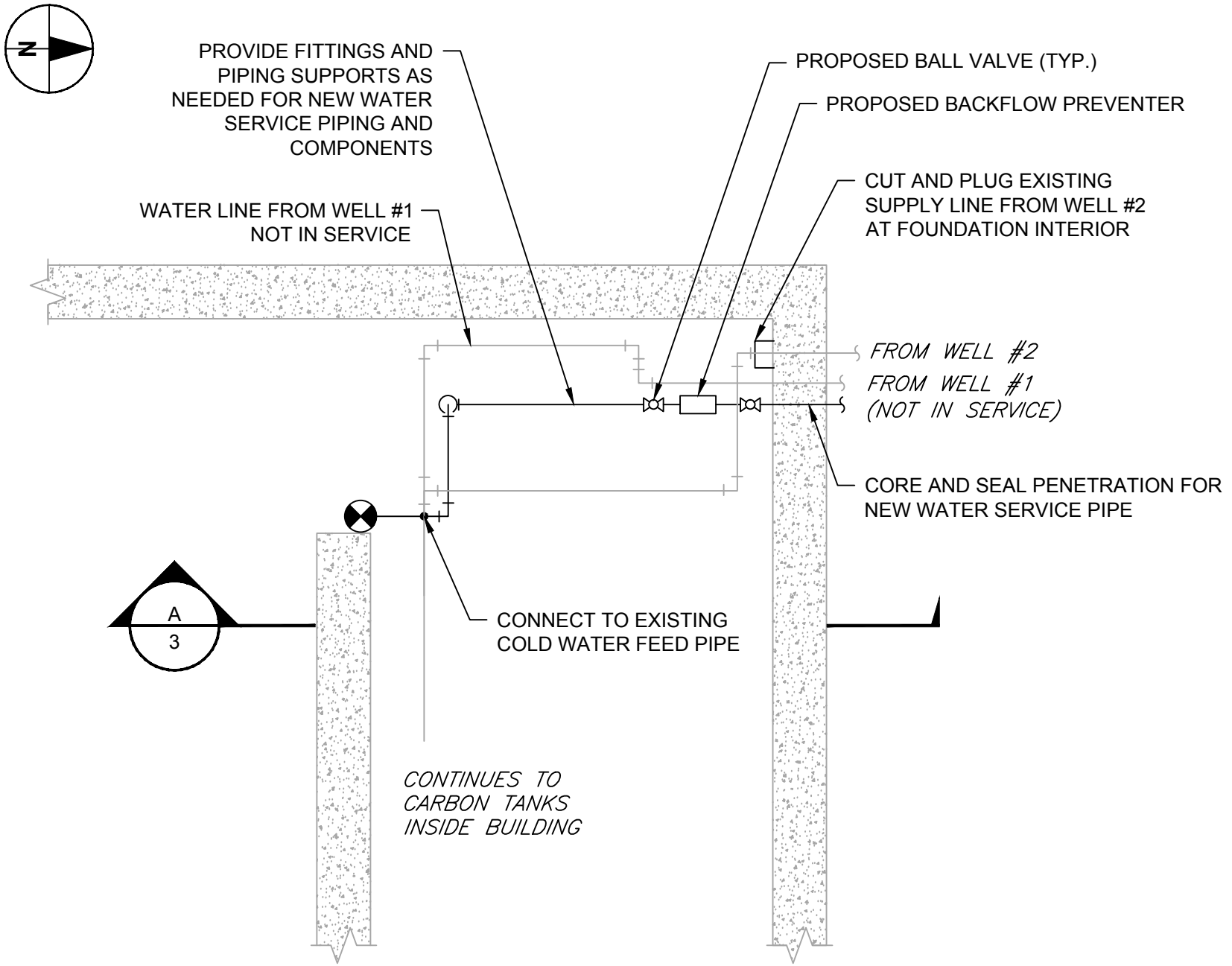
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
203R MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-203MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



REVISIONS			
MARK	DATE	MADE BY	DESCRIPTION
REV 1	DEC 2016	MCC	ADDENDUM NO. 2
		DGS	
		CHECKED	

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

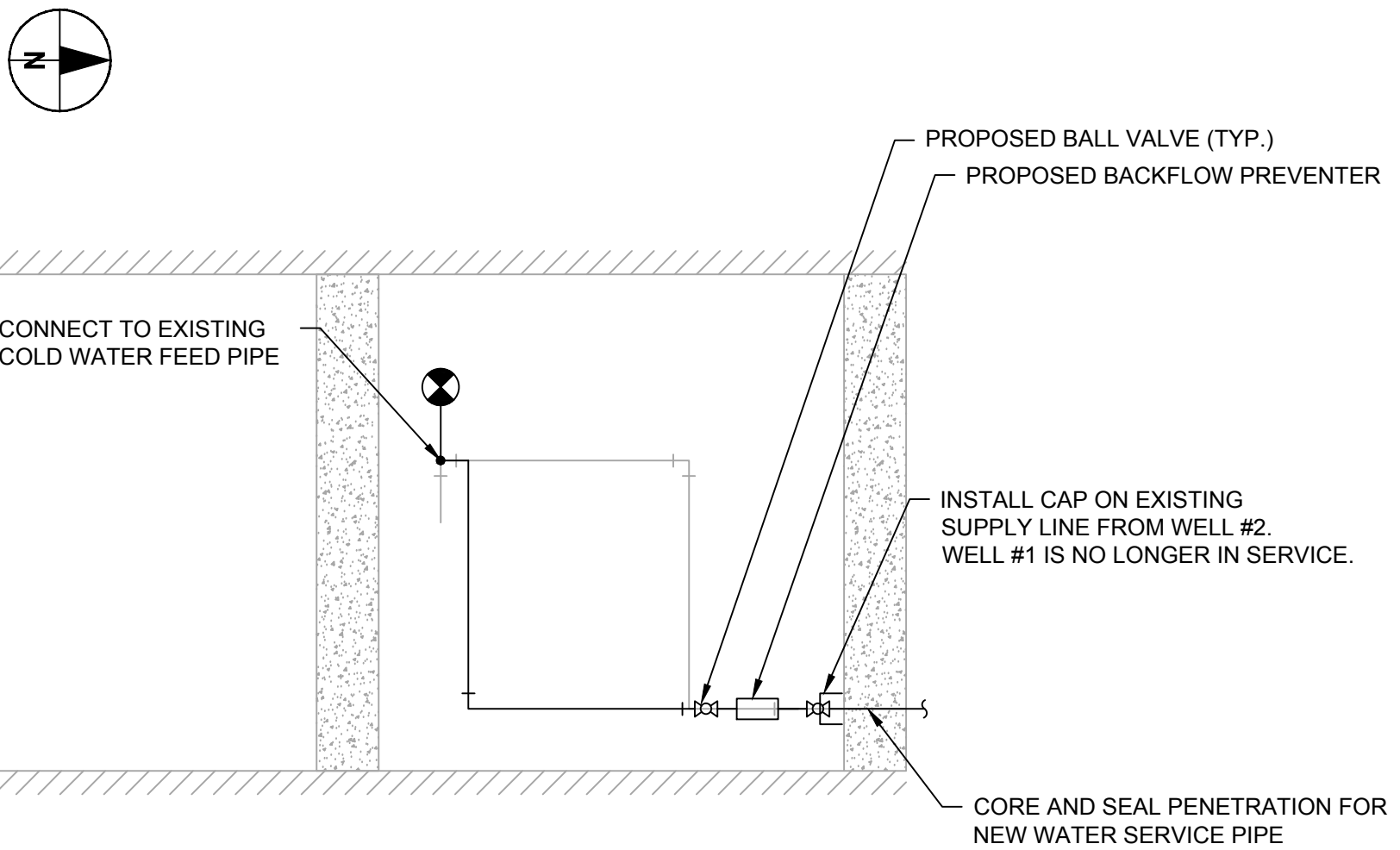
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
DURHAM MANUFACTURING

INTERIOR SERVICE CONNECTIONS
PLAN

PROJECT NO:	60275749
CAD FILE:	203 Main St. Dur_Man.dwg
DESIGNED BY:	KPR
DRAWN BY:	KPR
DATE:	JANUARY 2018
SCALE:	3/8" = 1'-0"
SHEET	2 OF 5

PLOTTED: 23-Jan-18



A
3

SECTION A-A

REVISIONS	DESCRIPTION	DATE	MARK
REV 1	DEC 2016	MCC	DGS
ADDENDUM NO. 2			

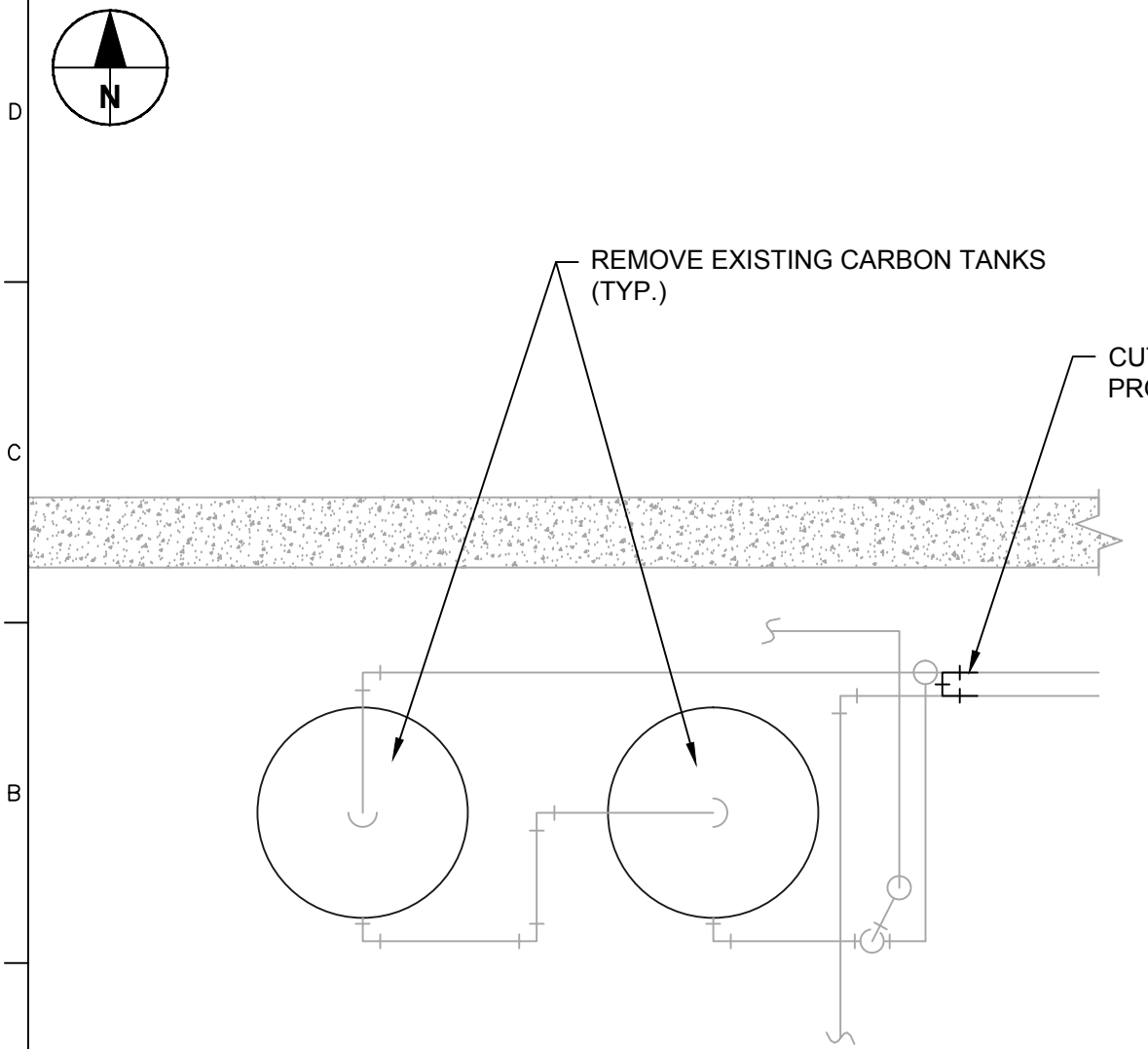
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
DURHAM MANUFACTURING
INTERIOR SERVICE CONNECTIONS
ELEVATION

PROJECT NO:	60275749
CAD FILE:	203 Main St. Dur_Man.dwg
DESIGNED BY:	KPR
DRAWN BY:	KPR
DATE:	JANUARY 2018
SCALE:	3/8" = 1'-0"
SHEET	3 OF 5

PLOTTED: 23-Jan-18



PLAN
NORTH WALL

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

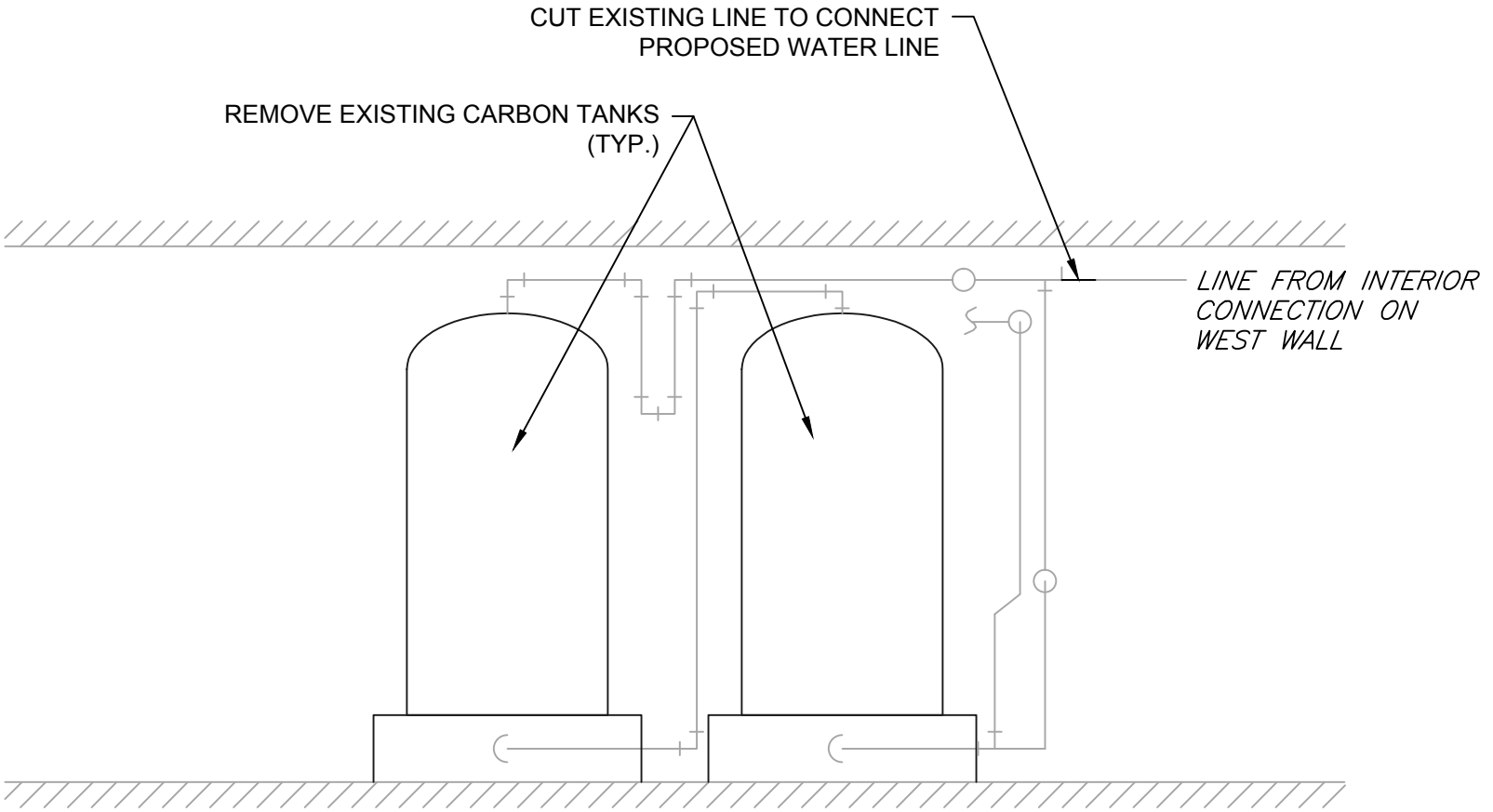
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
DURHAM MANUFACTURING

INTERIOR SERVICE CONNECTIONS
PLAN

PROJECT NO:	60275749
CAD FILE:	203 Main St. Dur_Man.dwg
DESIGNED BY:	KPR
DRAWN BY:	KPR
DATE:	JANUARY 2018
SCALE:	3/8" = 1'-0"
SHEET	4 OF 5

PLOTTED: 23-Jan-18



ELEVATION
NORTH WALL

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
DURHAM MANUFACTURING

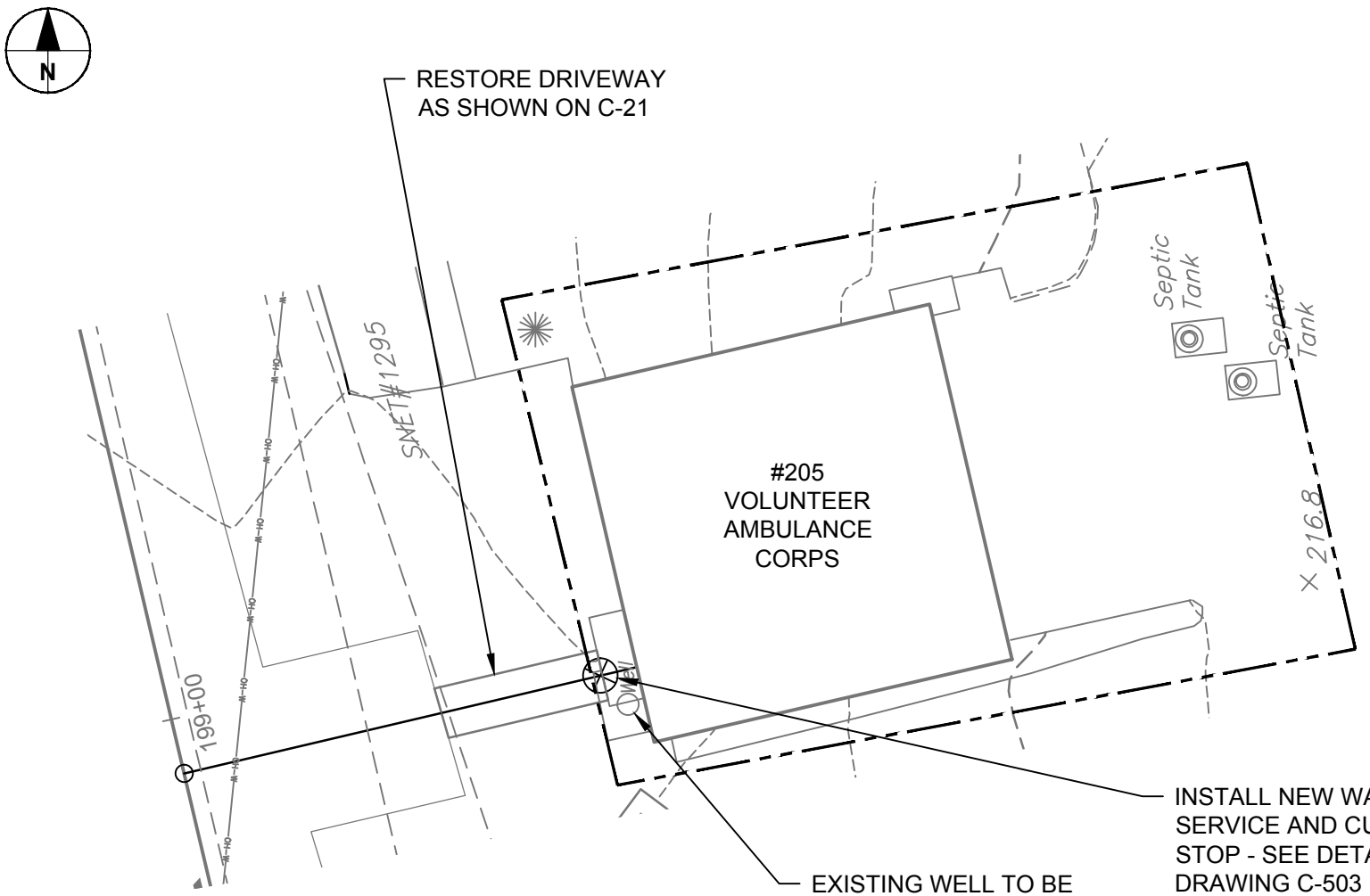
INTERIOR SERVICE CONNECTIONS
ELEVATION

PROJECT NO:	60275749
CAD FILE:	203 Main St. Dur_Man.dwg
DESIGNED BY:	KPR
DRAWN BY:	KPR
DATE:	JANUARY 2018
SCALE:	3/8" = 1'-0"
SHEET	5 OF 5

205 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

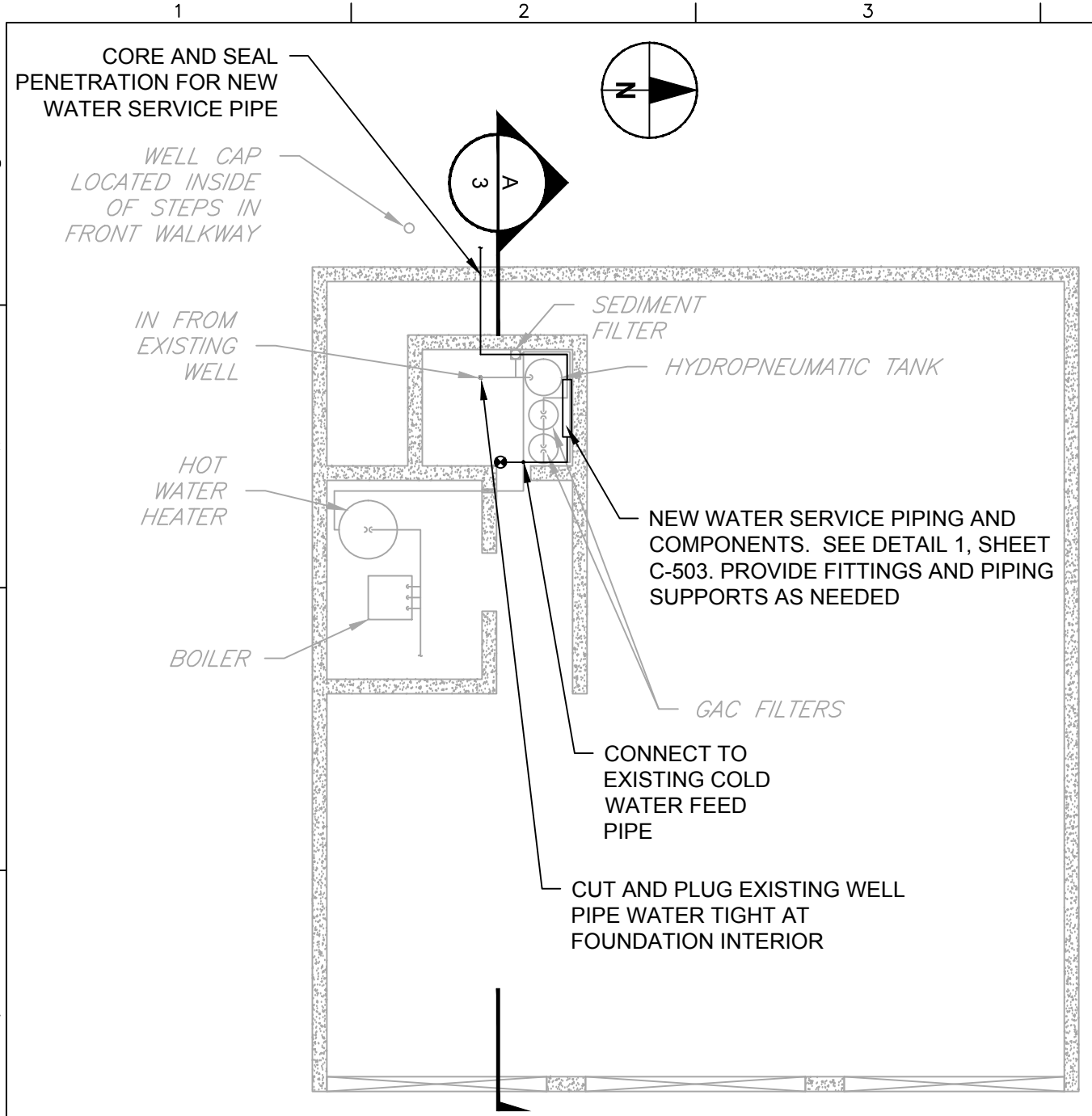
TOWN OF DURHAM
205 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-205MAIN VAC.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
205 MAIN ST. - VOL. AMBULANCE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

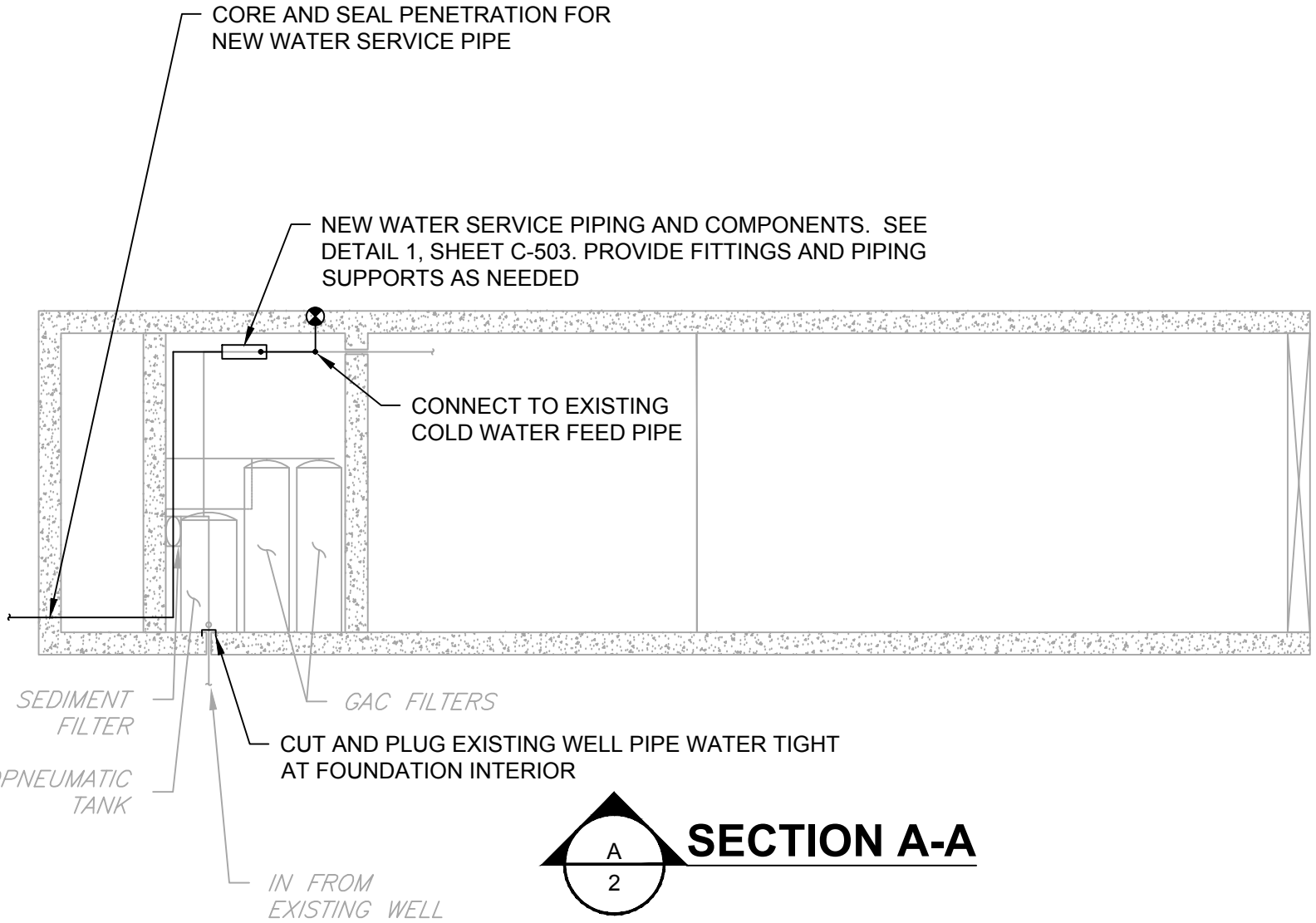
PROJECT NO:	60275749
CAD FILE:	205 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NORTH VIEW



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

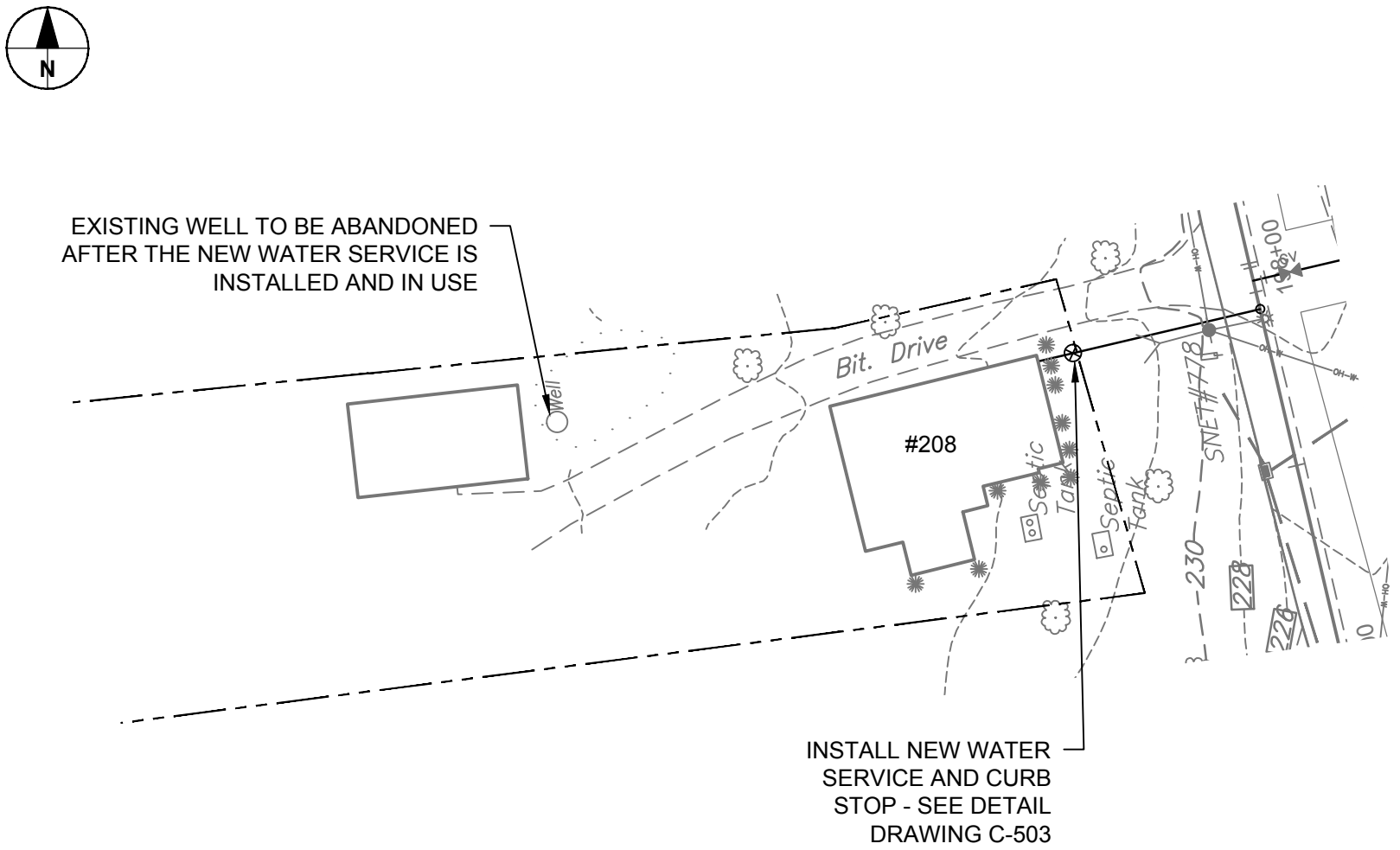
TOWN OF DURHAM
205 MAIN ST. - VOL. AMBULANCE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	205 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

208 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
208 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-208MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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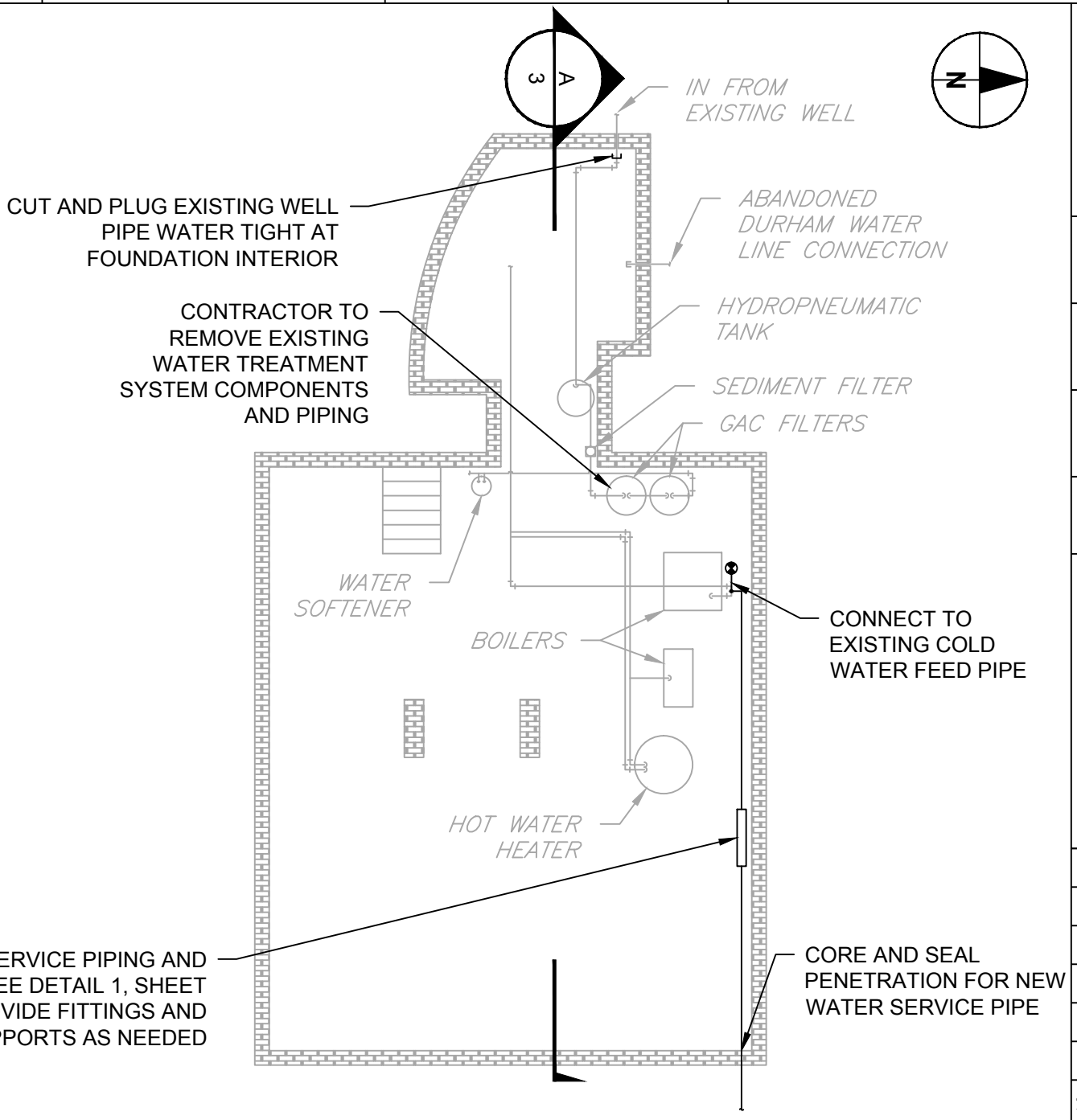


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

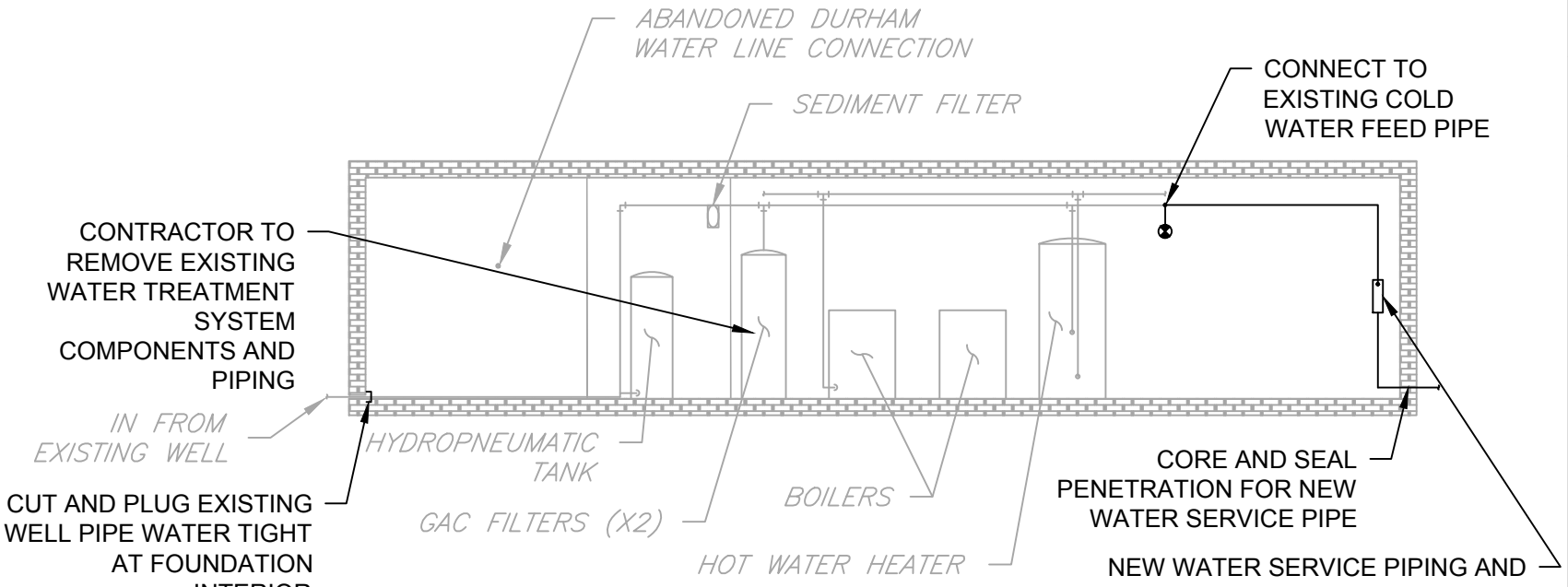
TOWN OF DURHAM
208 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	208 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 8 16

SCALE: 1/8"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

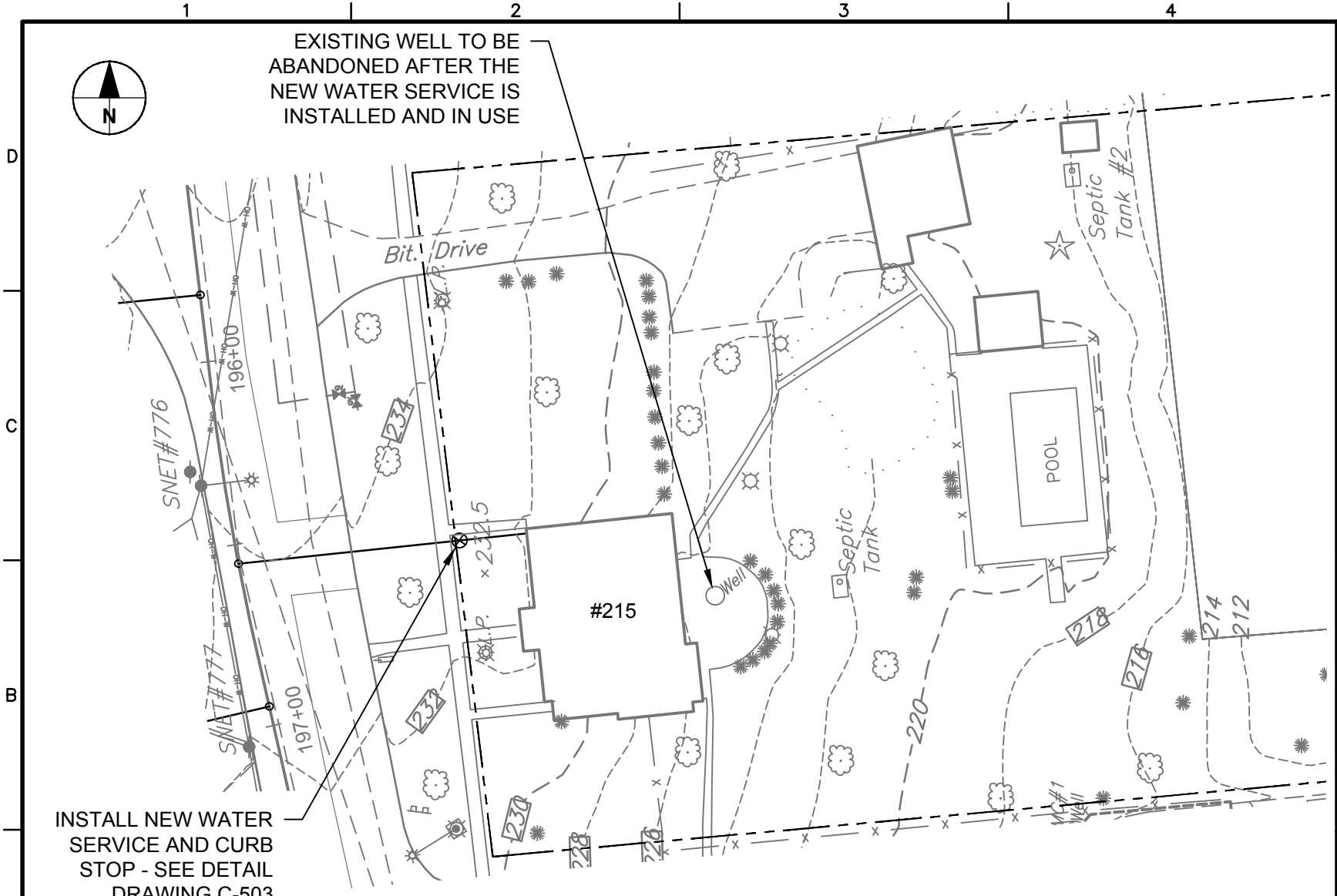
TOWN OF DURHAM
208 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	208 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	3 OF 3

215 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
215 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-215MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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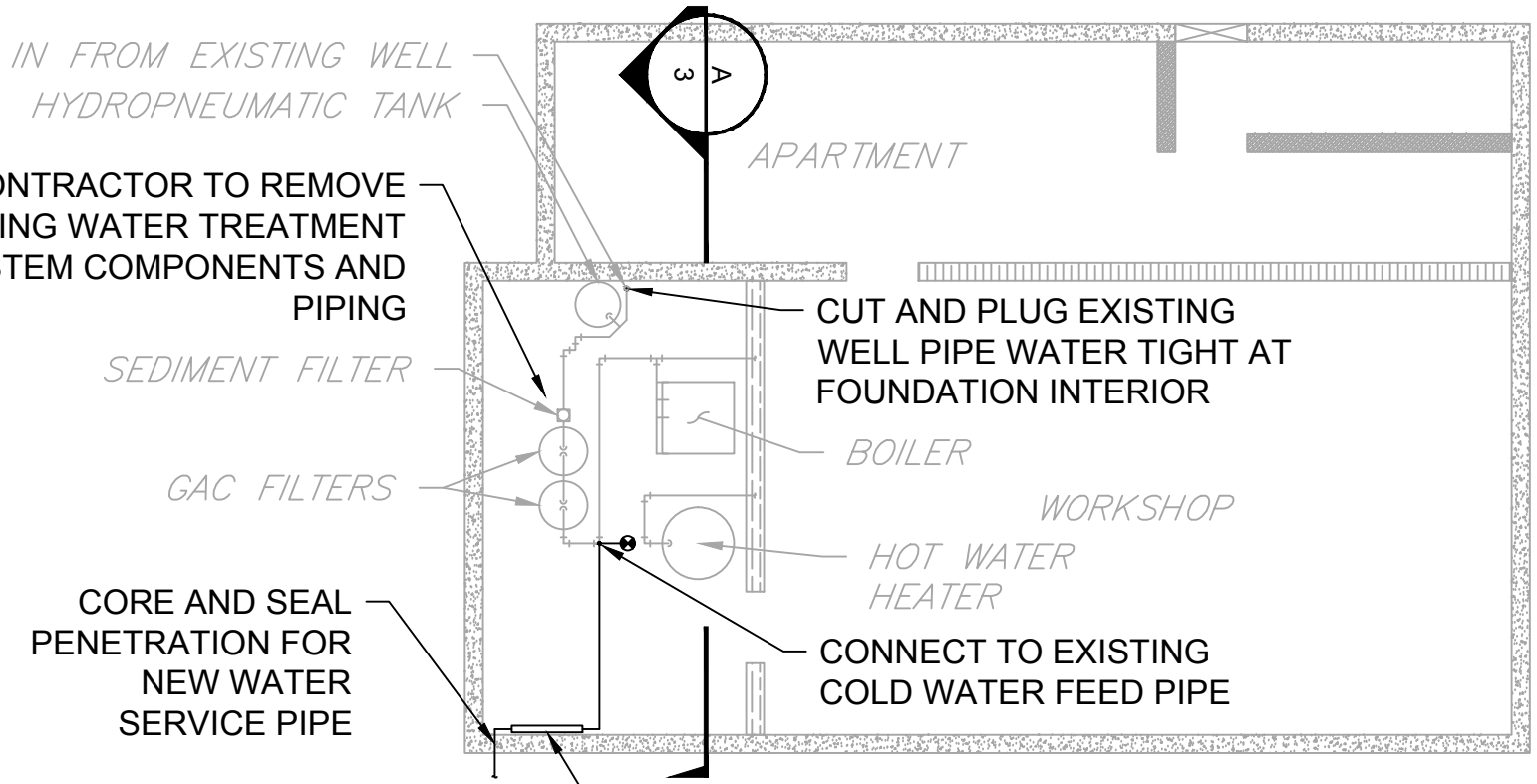


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
215 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

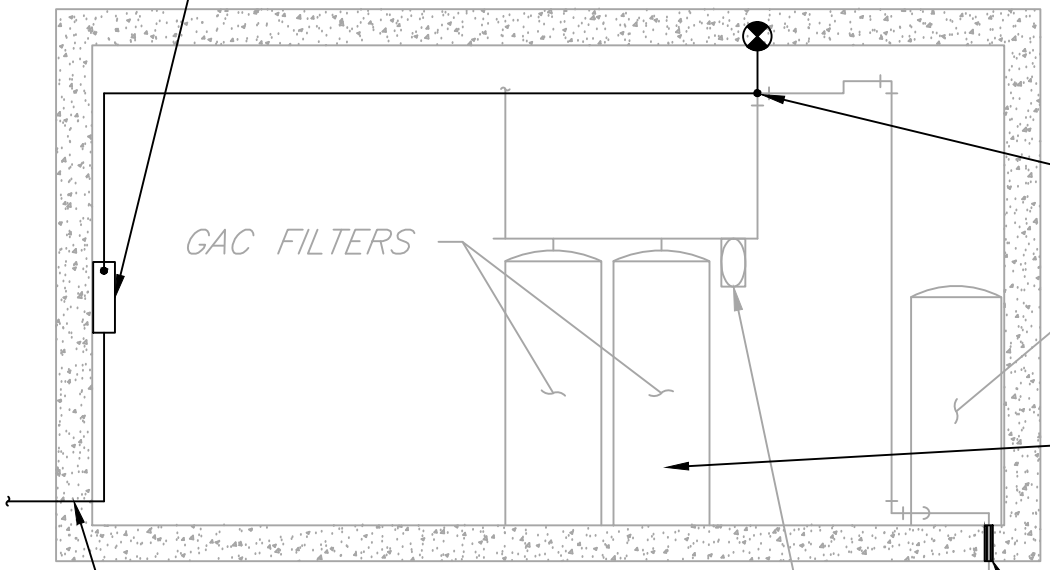
PROJECT NO:	60275749
CAD FILE:	215 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NORTH VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
215 MAIN ST.

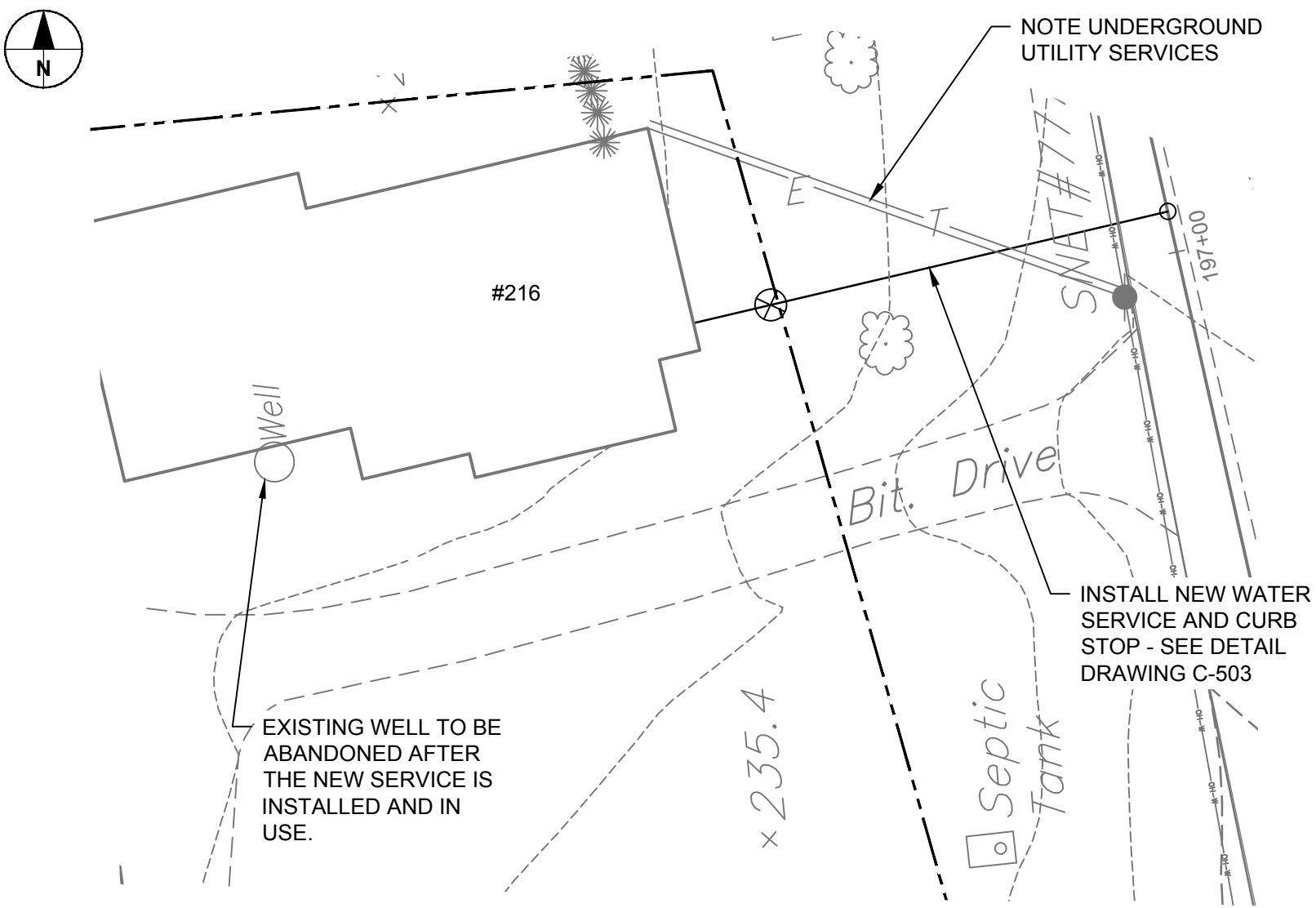
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	215 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

216 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
216 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-216MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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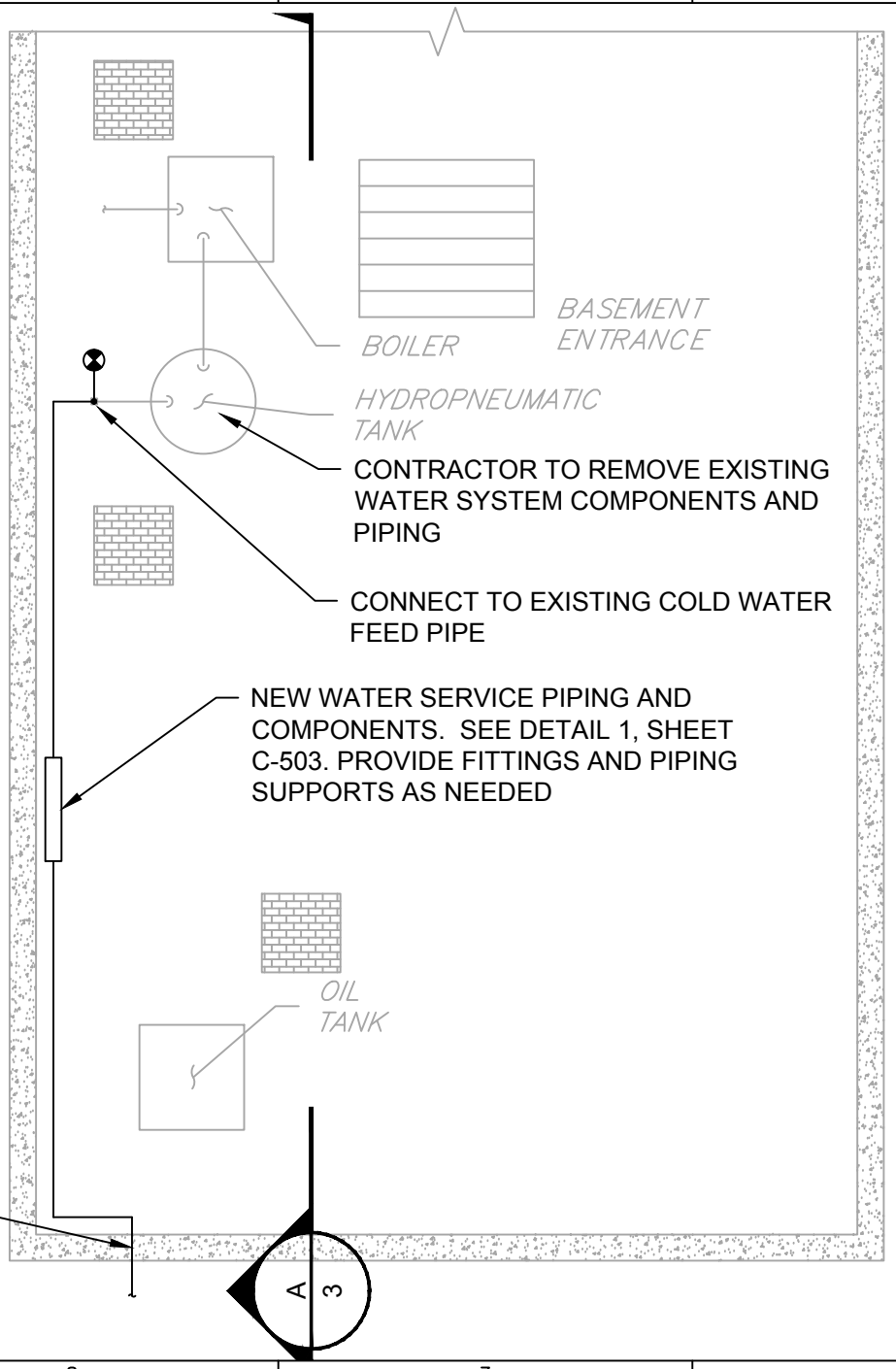


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
216 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

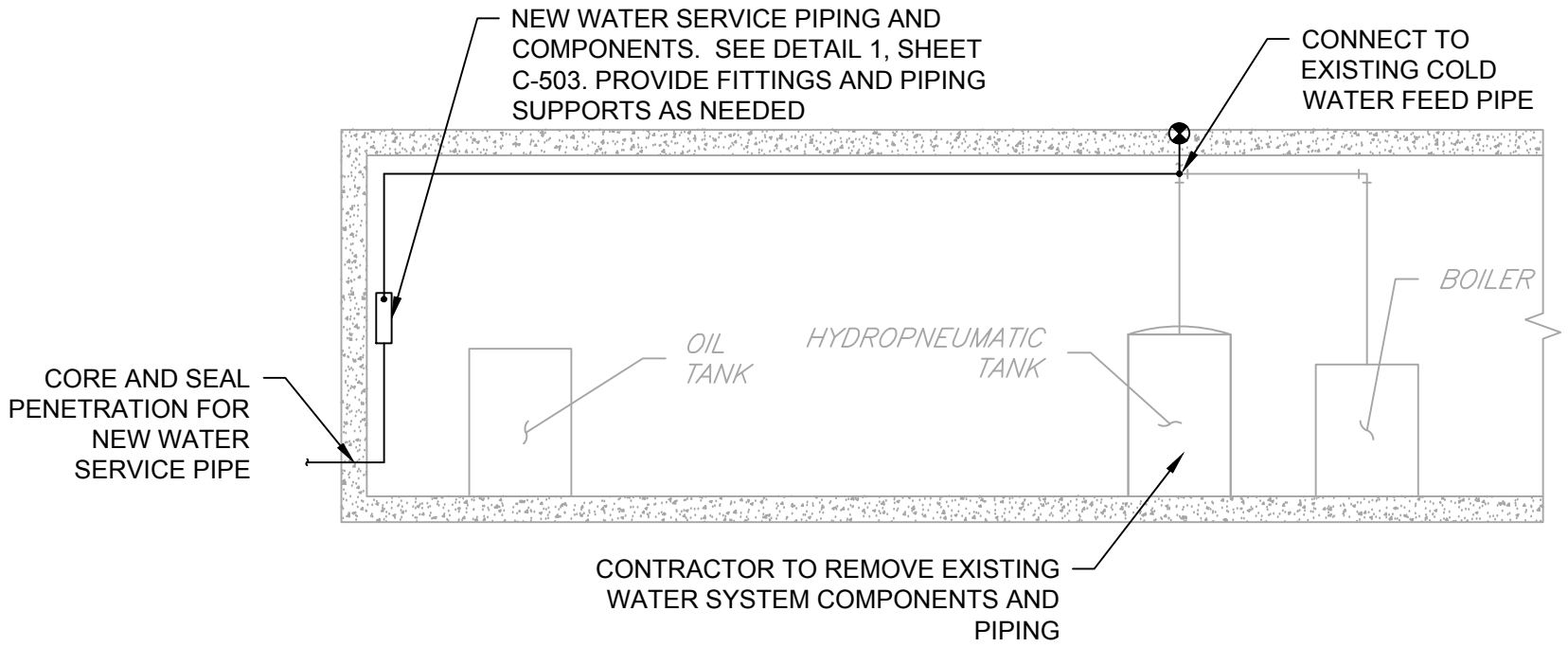
PROJECT NO:	60275749
CAD FILE:	216 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

SOUTH VIEW



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
216 MAIN ST.

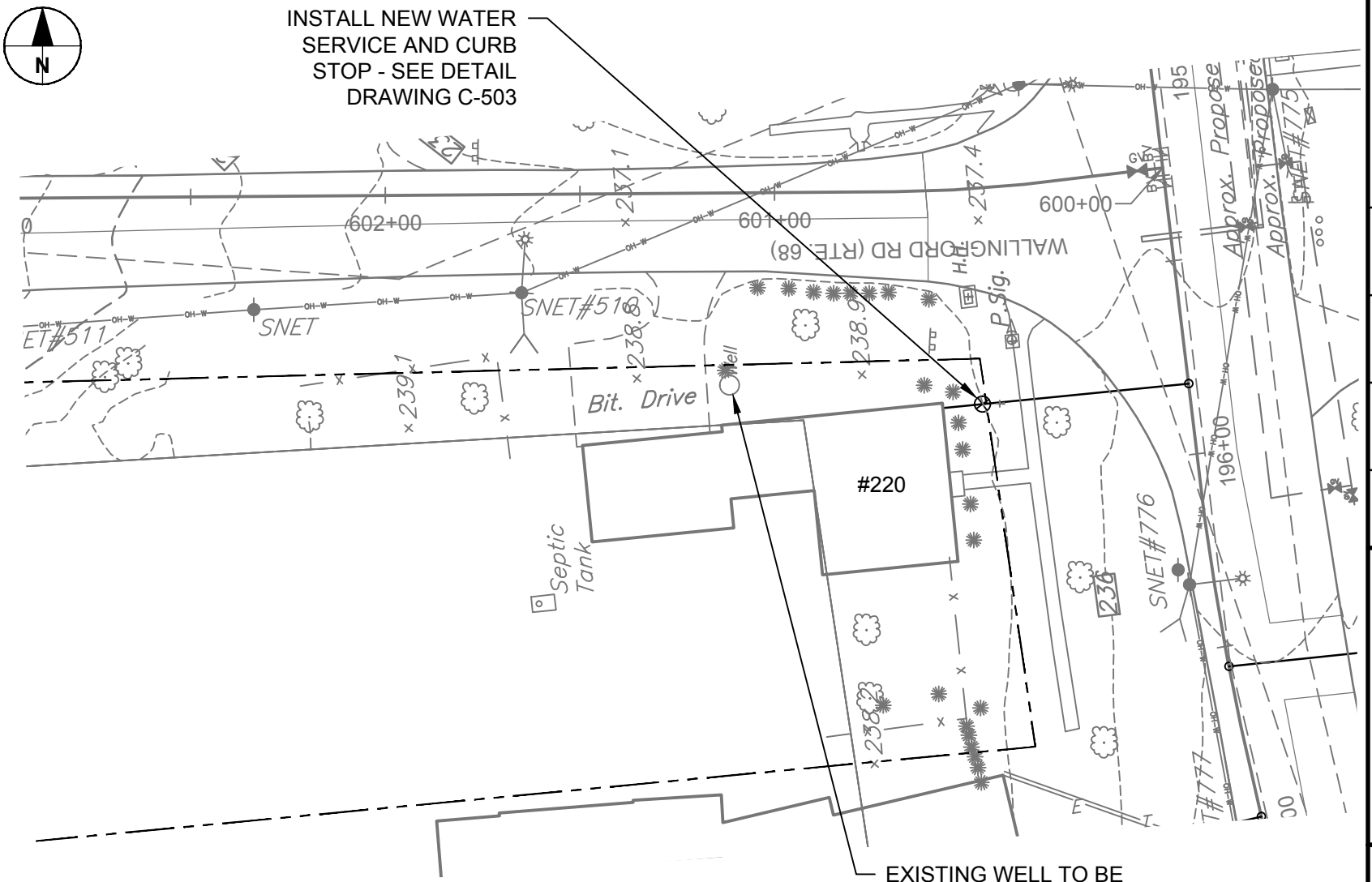
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	216 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

220 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
220 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-220MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16 24

SCALE: 3/32"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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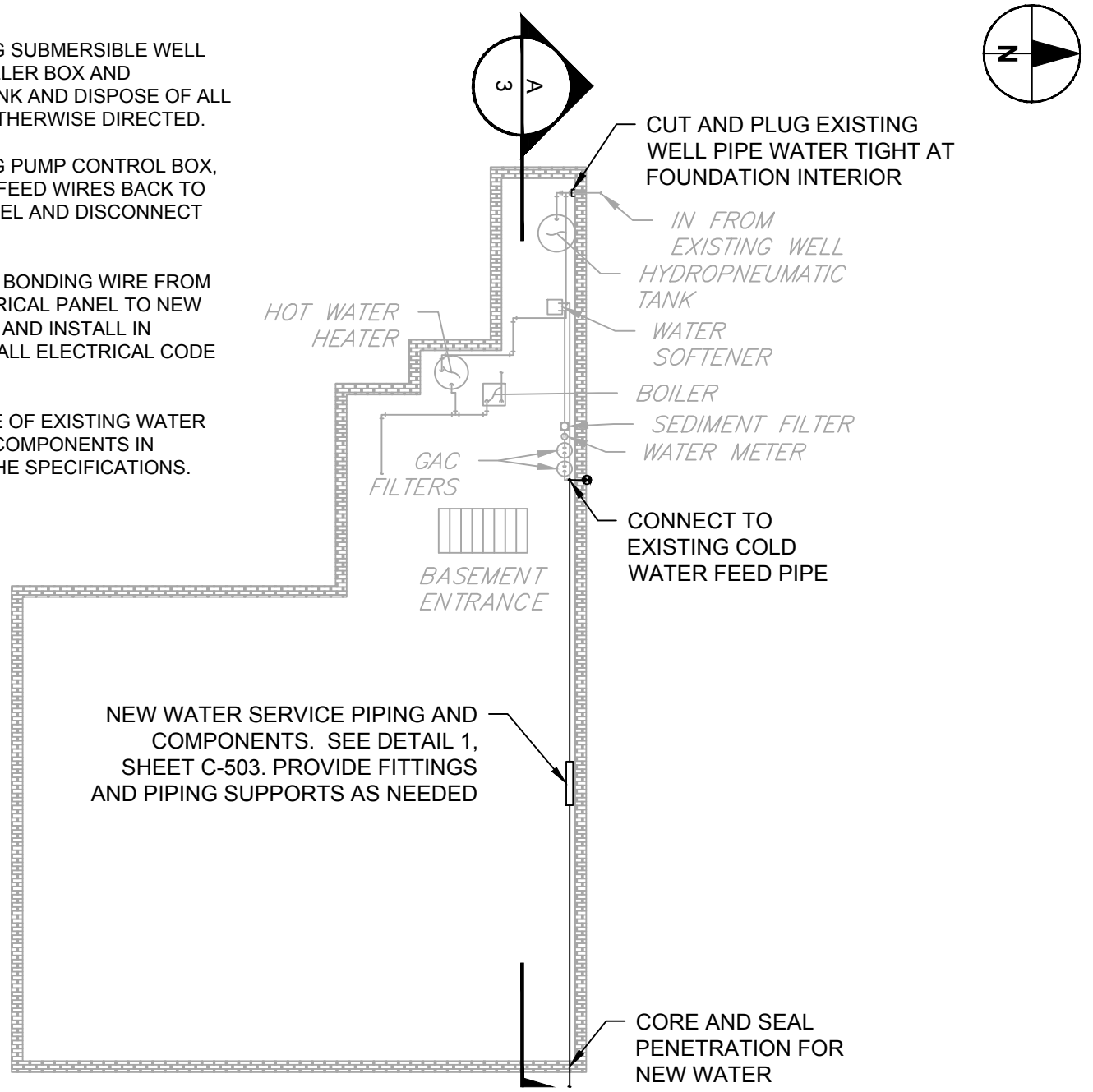


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
220 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

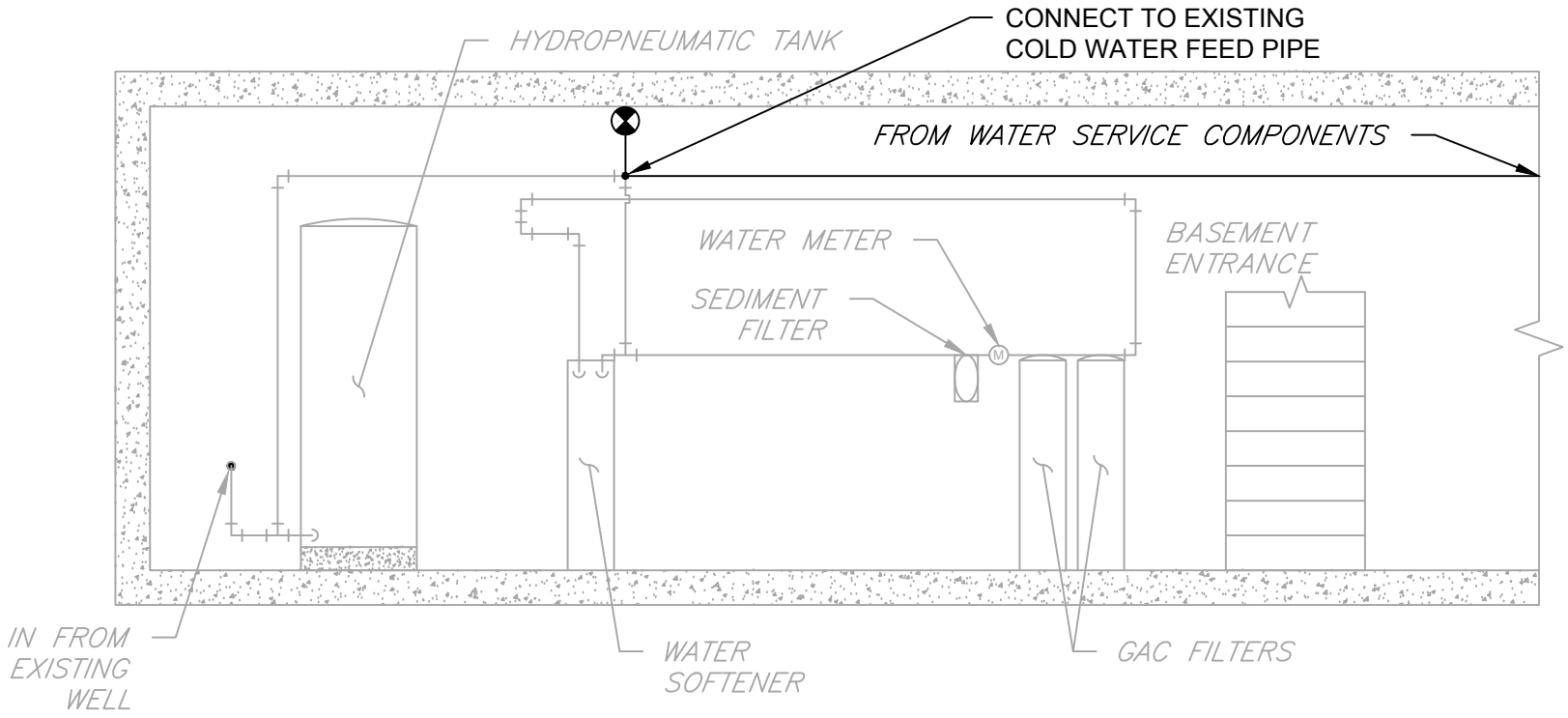
PROJECT NO:	60275749
CAD FILE:	220 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{32}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NORTH VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

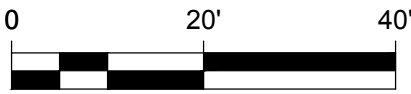
TOWN OF DURHAM
220 MAIN ST.

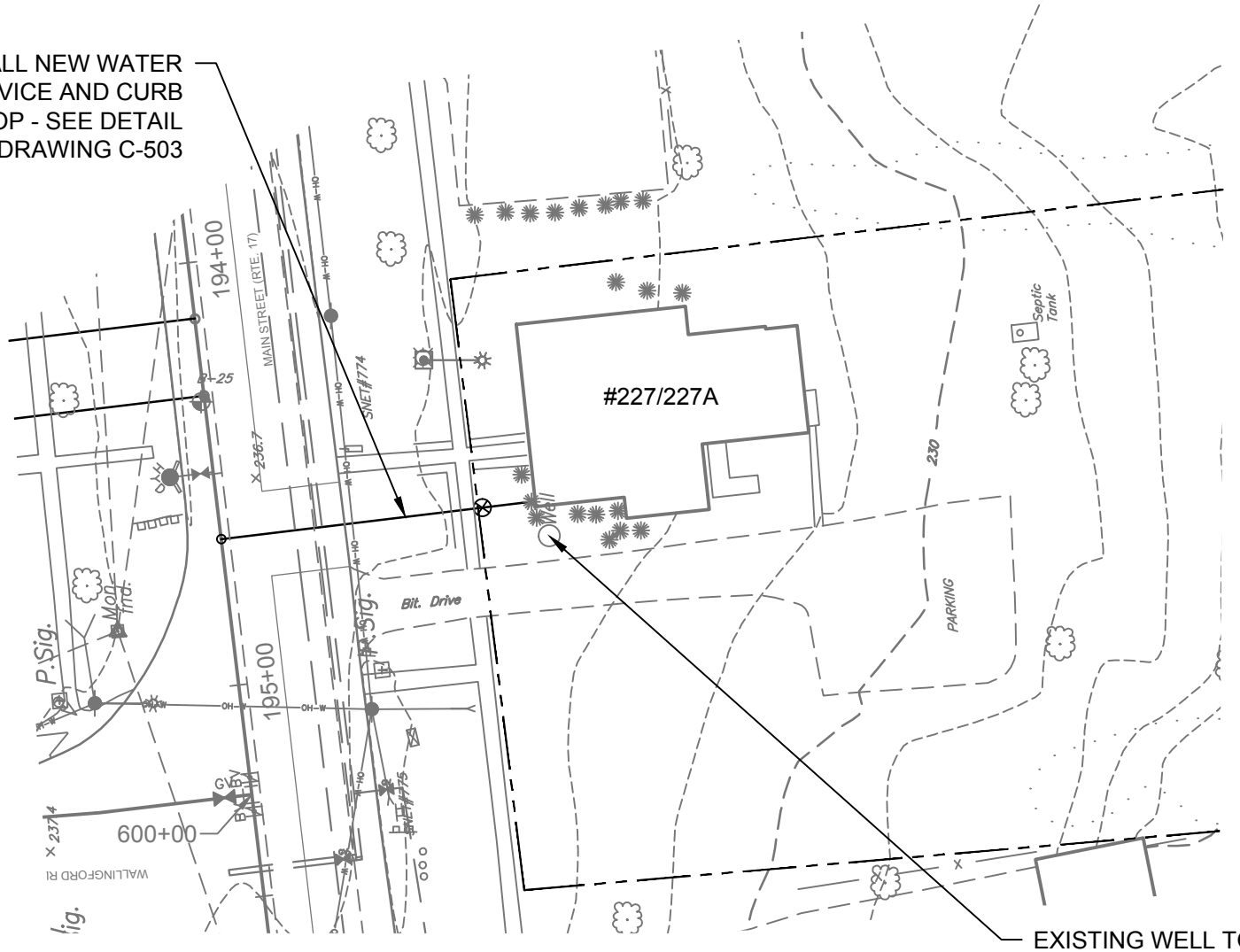
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	220 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

227/227A Main Street

PLOTTED: 23-Jan-18





NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.
5. AN ADDITIONAL WATER SYSTEM IS ON THE PROPERTY FOR THE REAR APARTMENT

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
227/227A MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-227&227AMAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

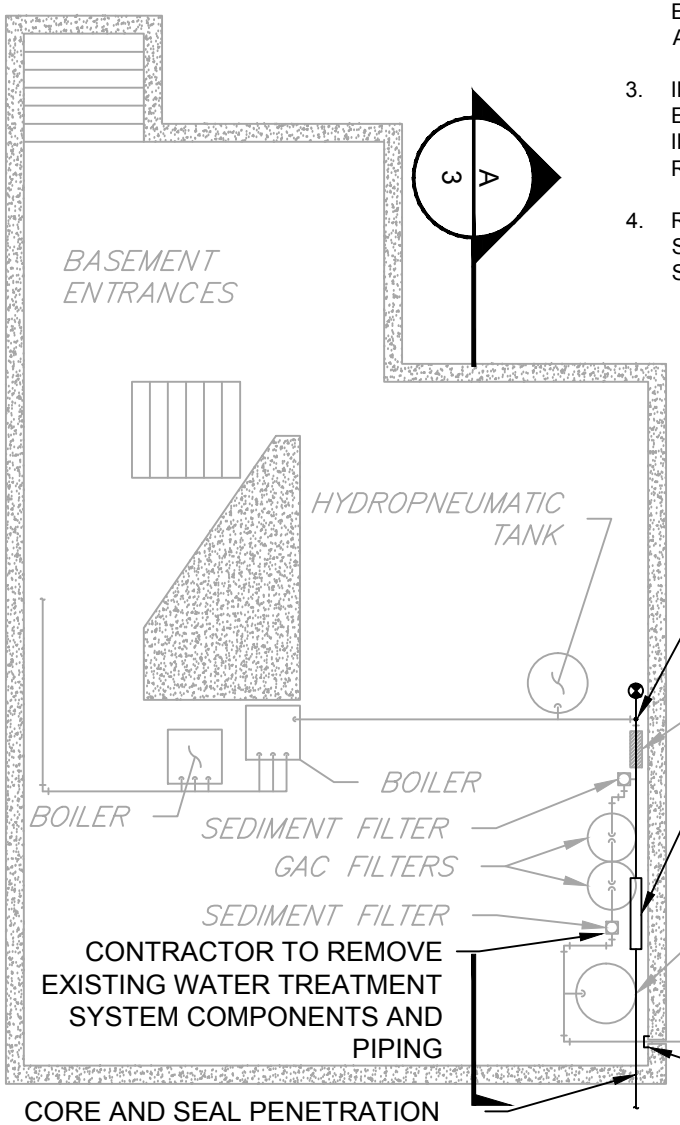
PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

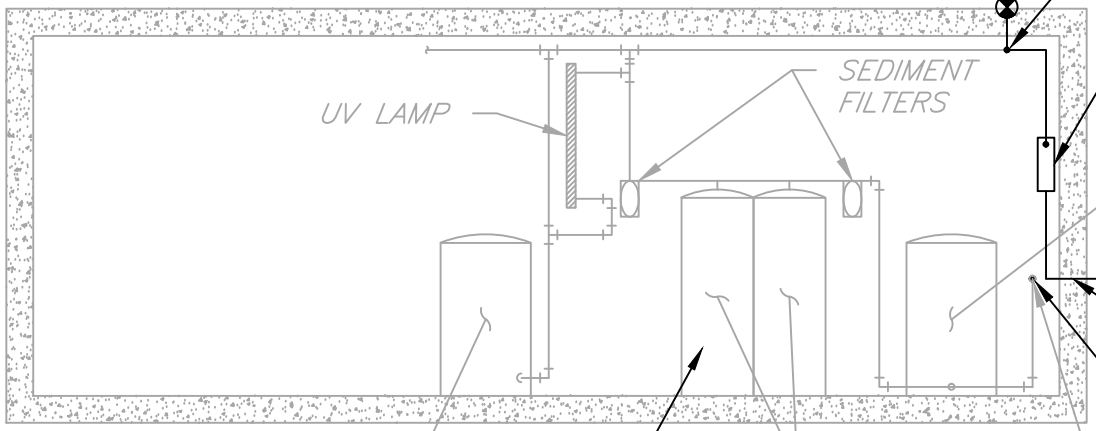
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
227/227A MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	227 & 227A Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



CONNECT TO EXISTING COLD WATER FEED PIPE

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

CUT AND PLUG EXISTING WELL PIPE WATER TIGHT AT FOUNDATION INTERIOR

CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING

A
2

SECTION A-A

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

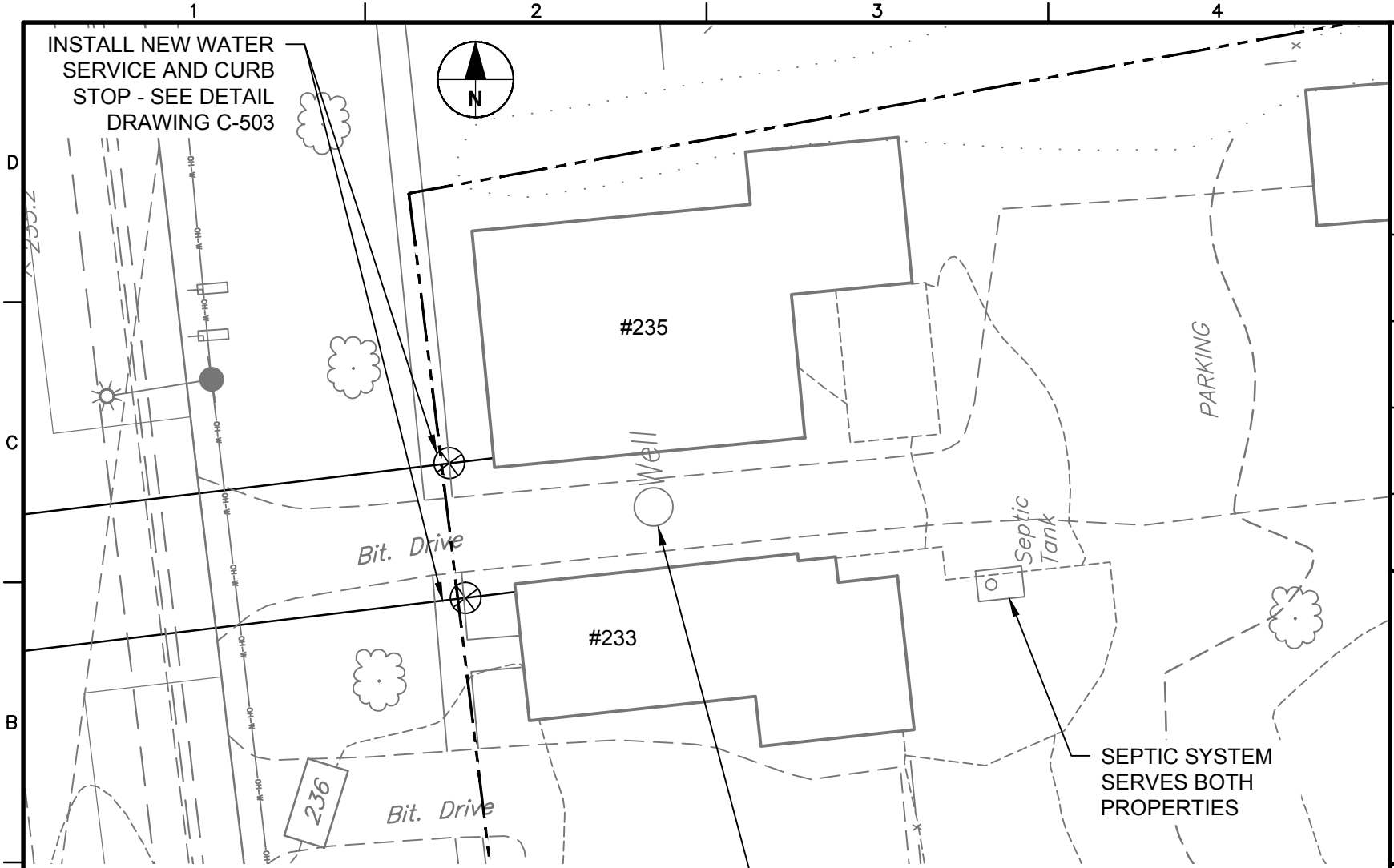
TOWN OF DURHAM
227/227A MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	227 & 227A Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

233 and 235 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
233 AND 235 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-233 and 235MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 5

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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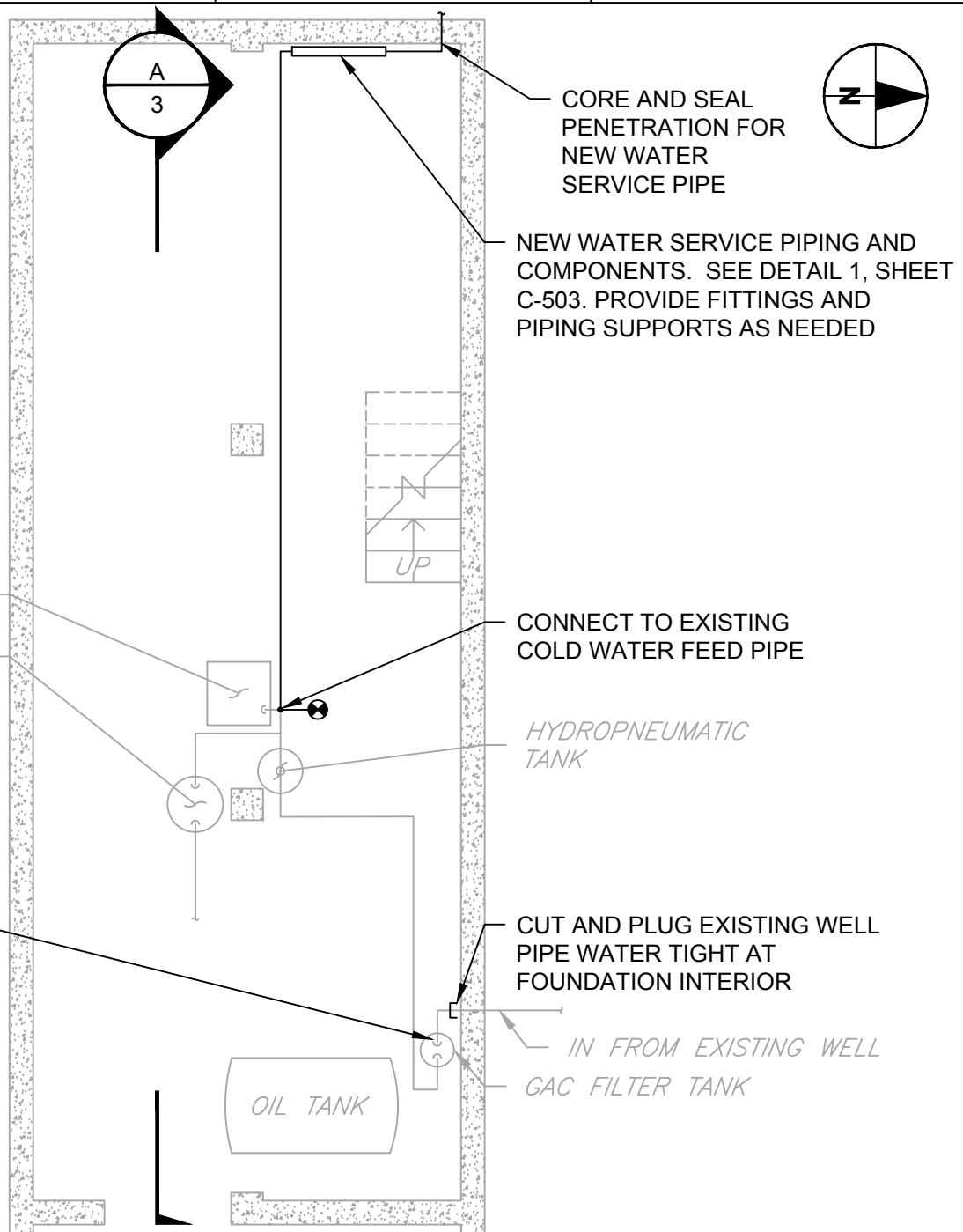
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

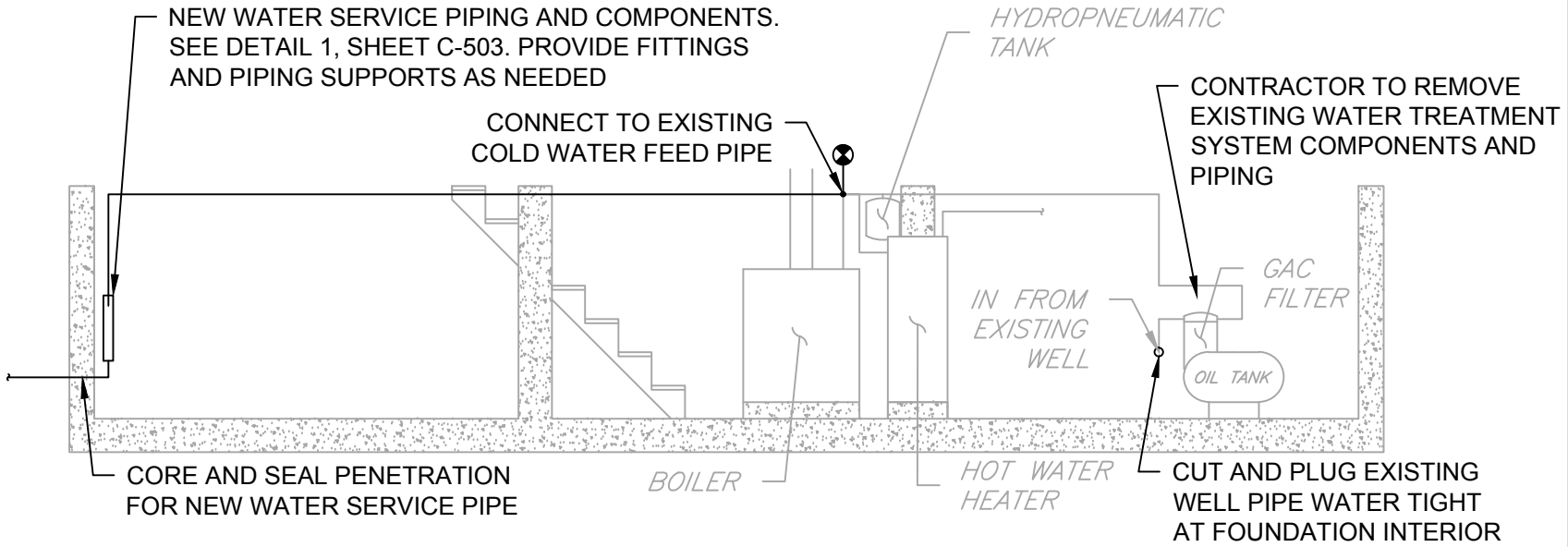
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
233 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	233 Main St.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 5

PLOTTED: 23-Jan-18



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
233 MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	233 Main St.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 5

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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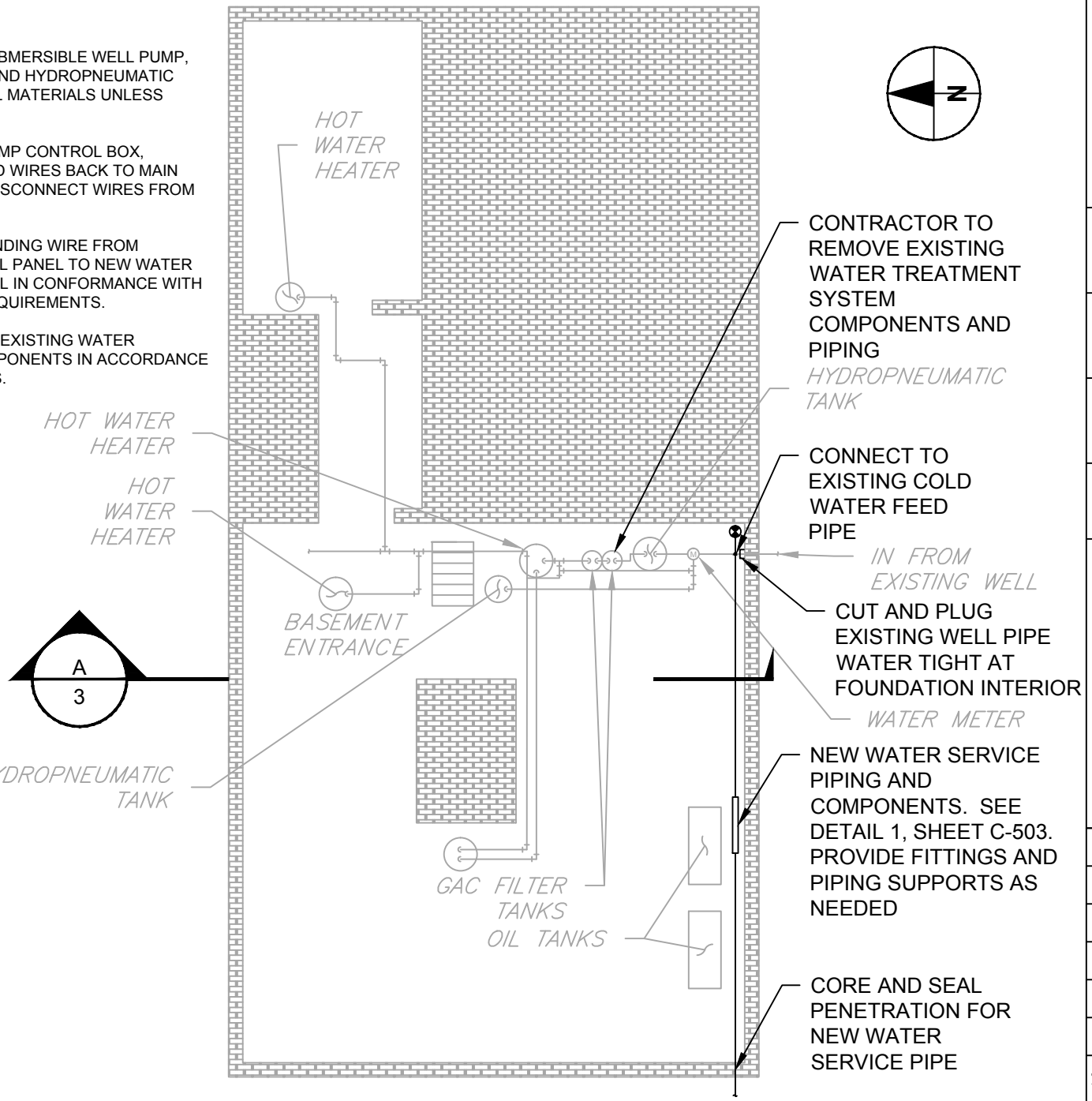


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
235 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

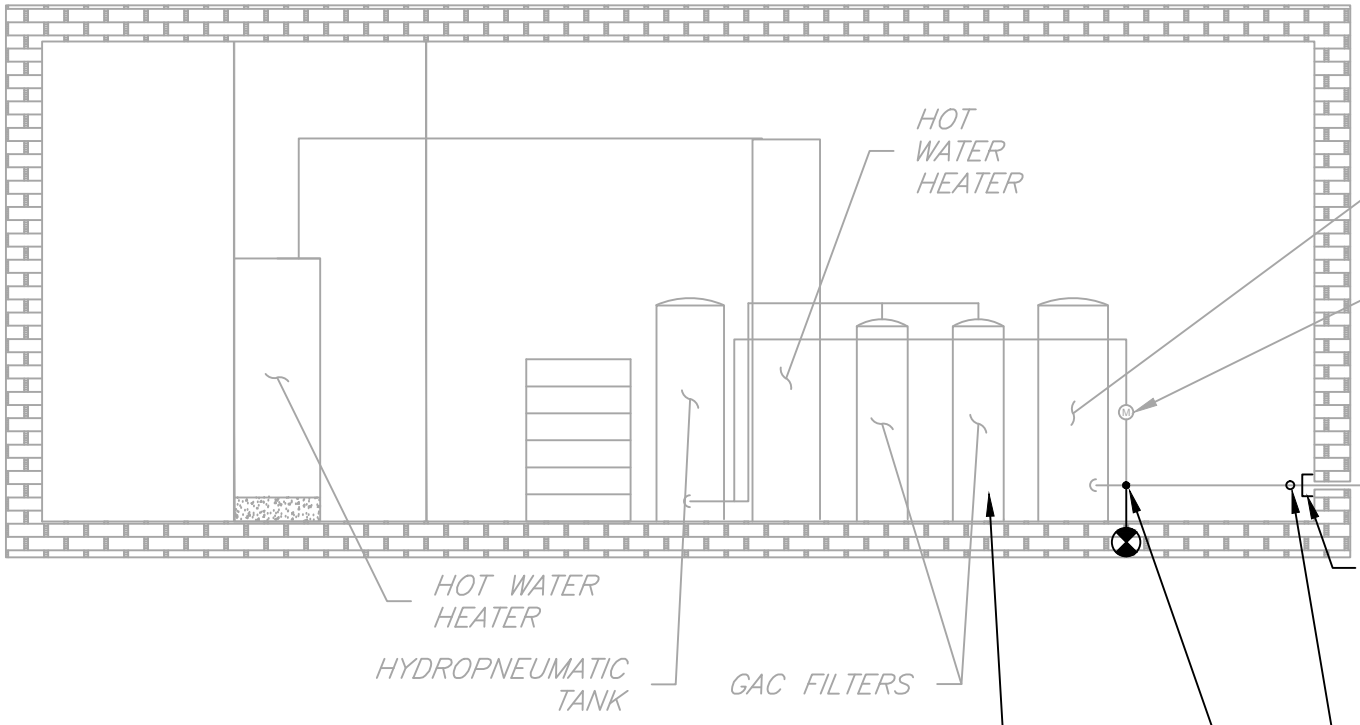
PROJECT NO:	60275749
CAD FILE:	235 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	4 OF 5

PLOTTED: 23-Jan-18

EAST VIEW

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

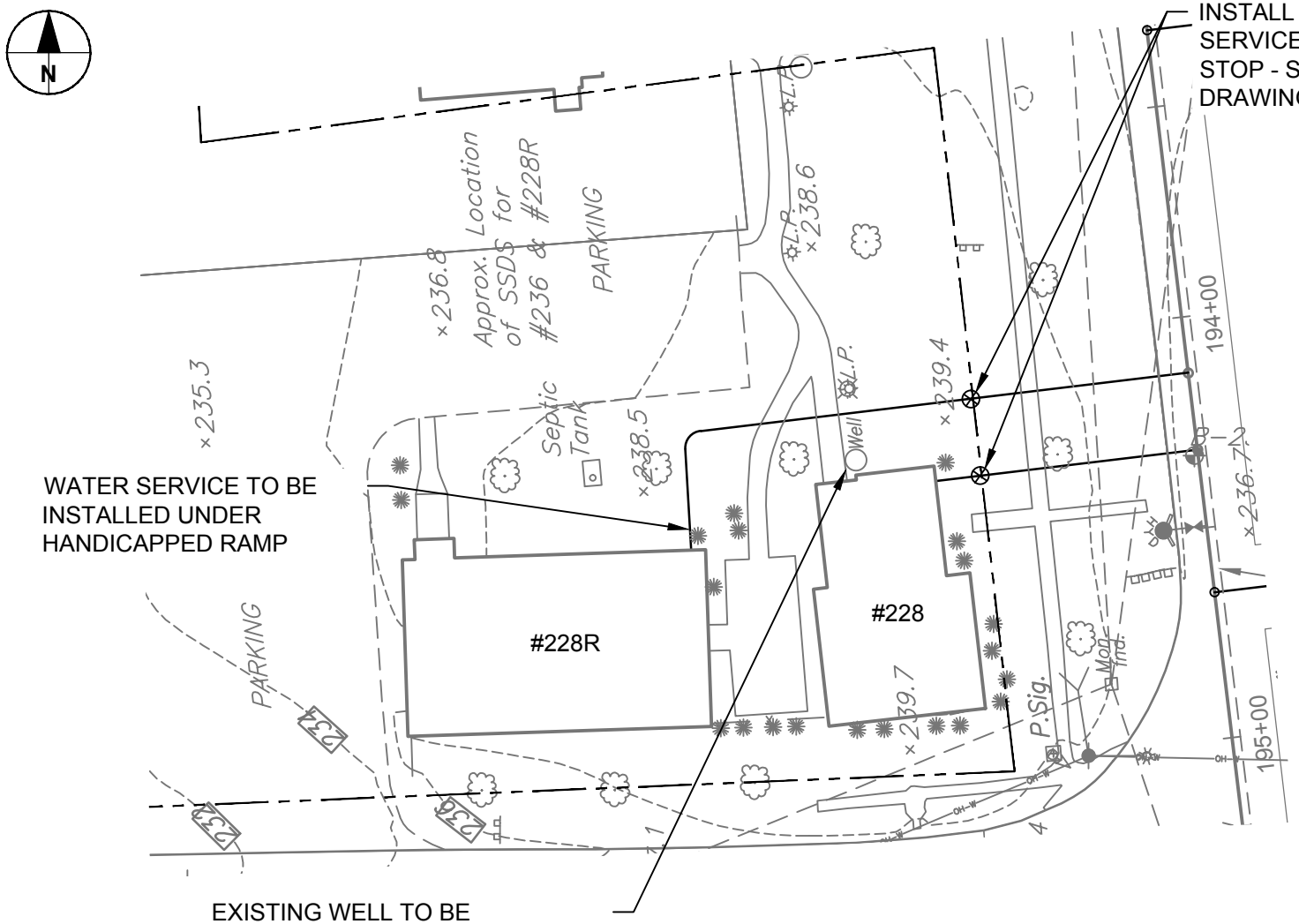
TOWN OF DURHAM
235 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	235 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	5 OF 5

228/228R Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

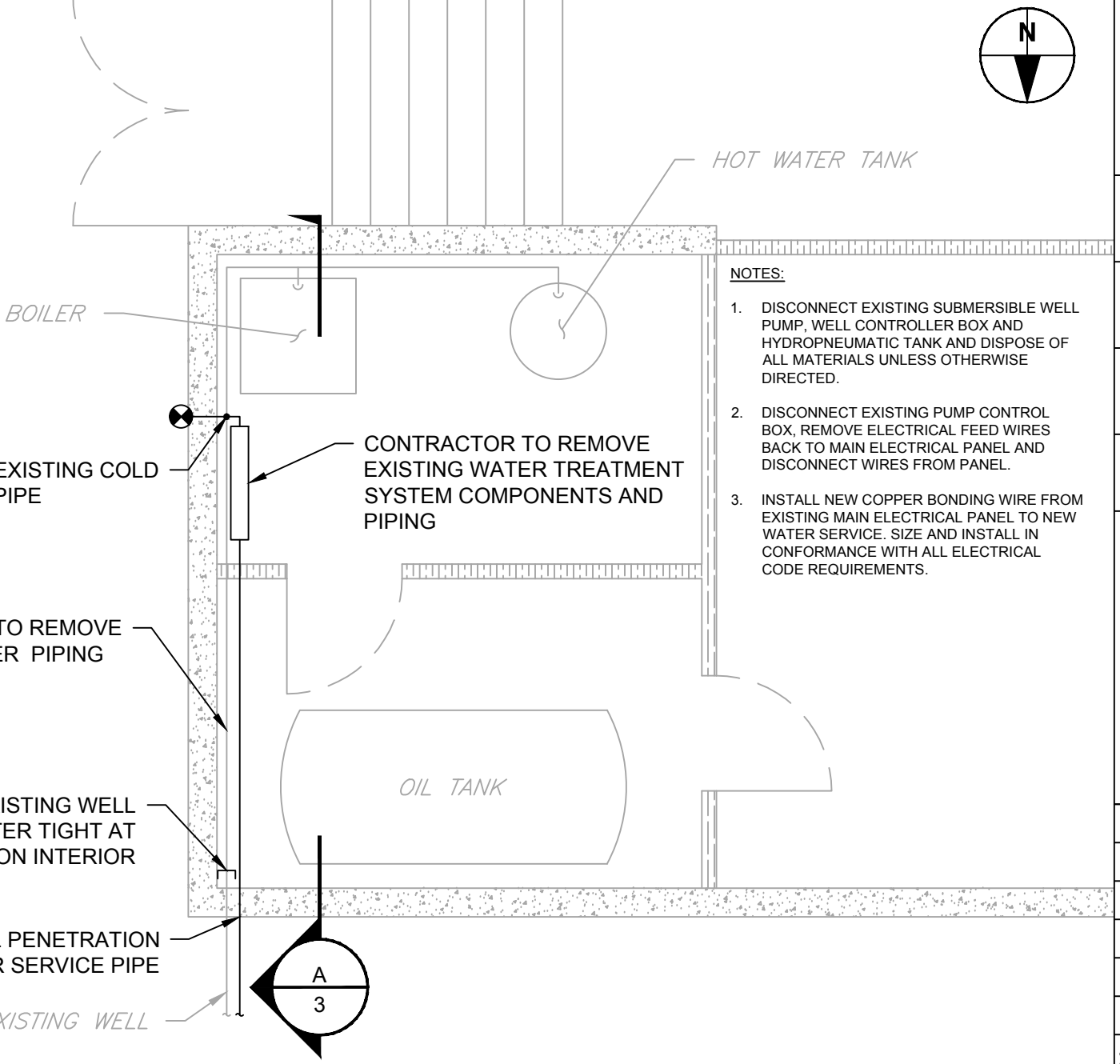
TOWN OF DURHAM
228/228R MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-228-228RMAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 5

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
228R MAIN ST.

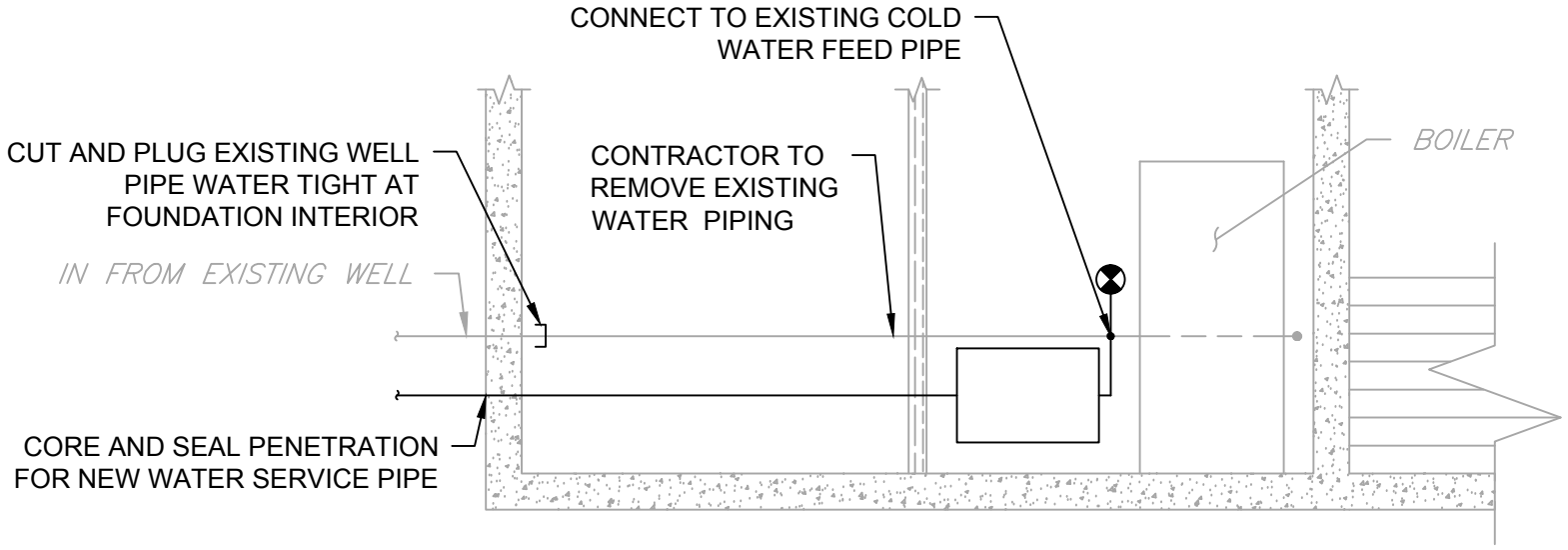
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	228R Main St (New).dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	¼" = 1' - 0"
SHEET	4 OF 5

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
228R MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	228R Main St (New).dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	5 OF 5

236 Main Street

PLOTTED: 23-Jan-18

0 40' 80'

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

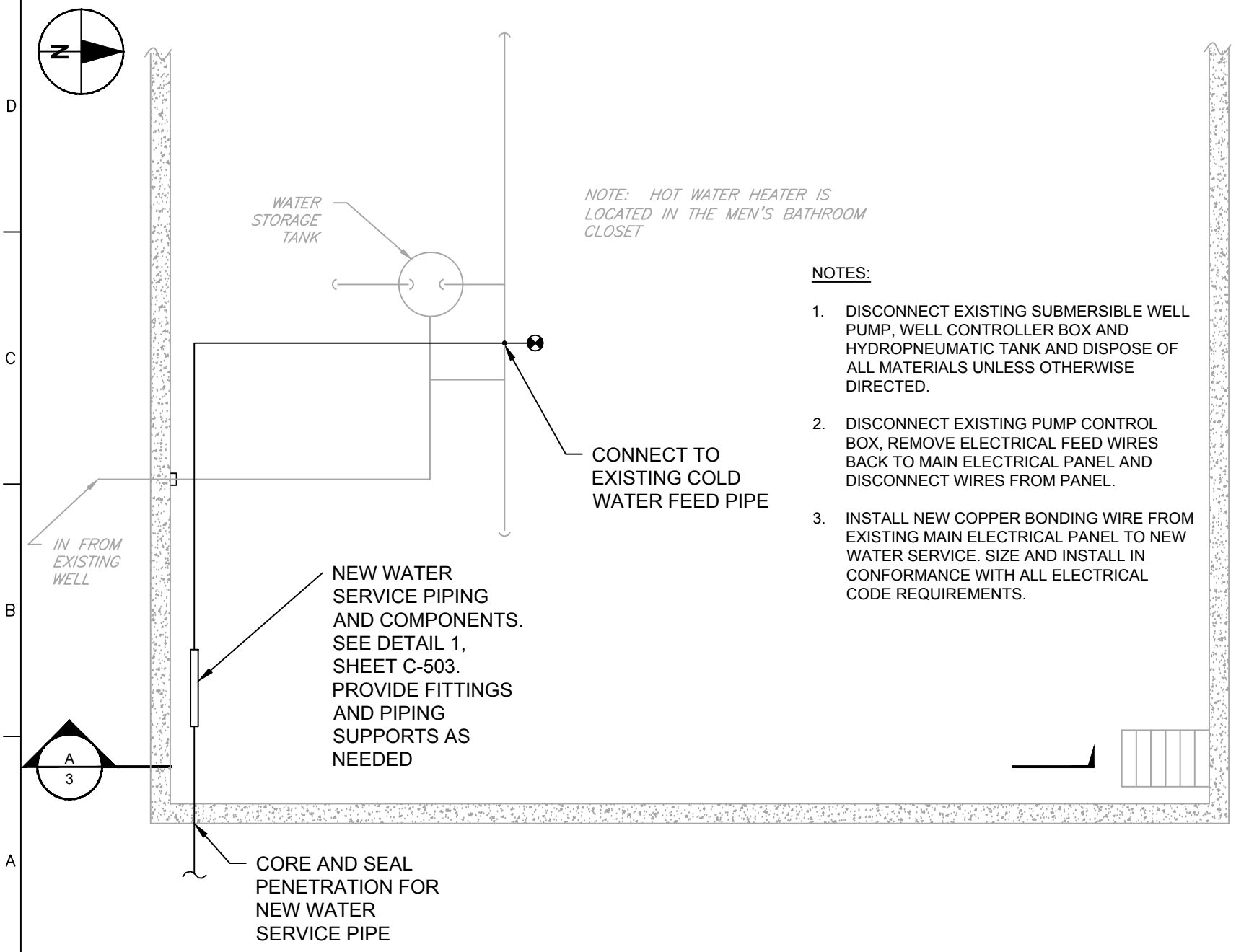
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
236 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-236MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

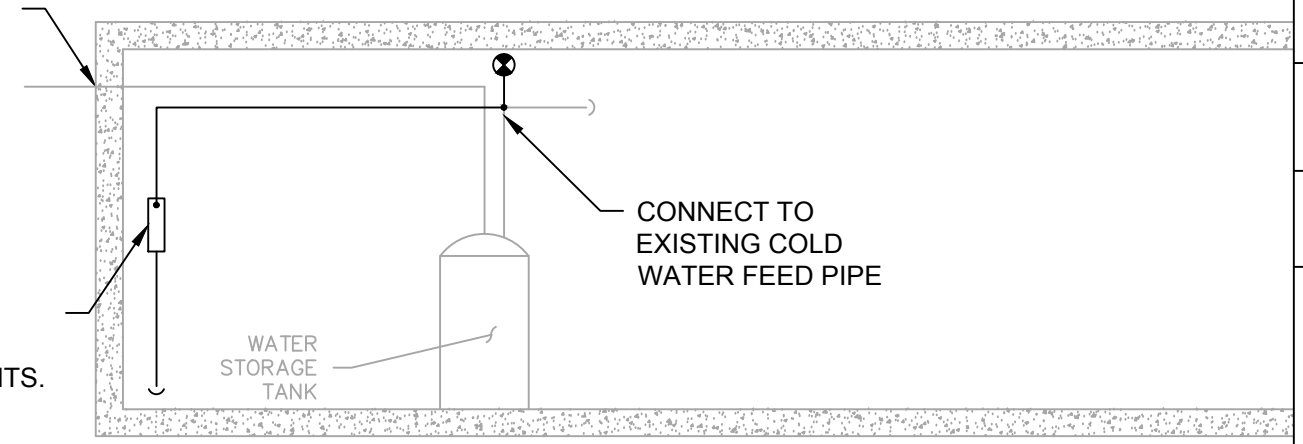
TOWN OF DURHAM
236 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	236 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

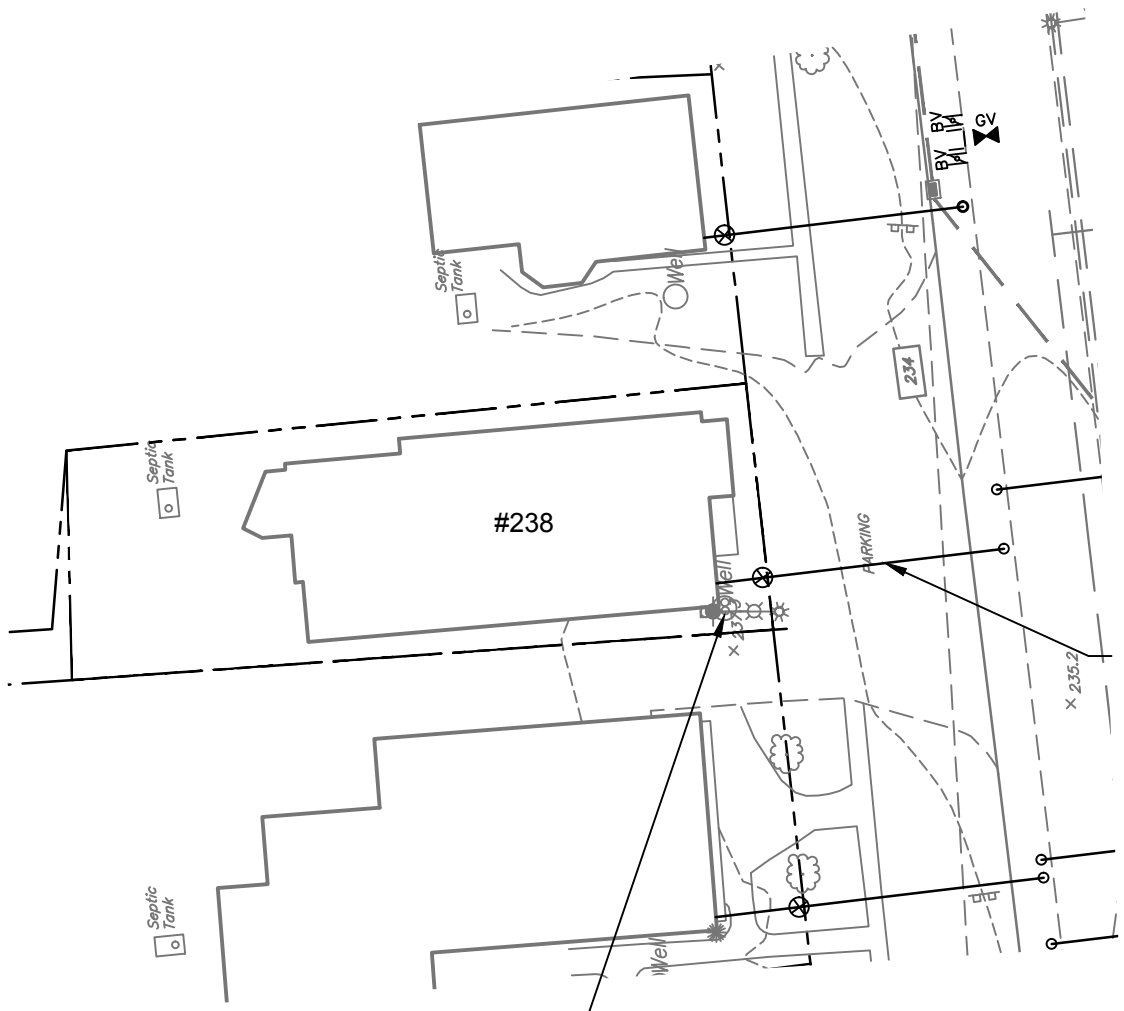
TOWN OF DURHAM
236 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	236 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

238 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

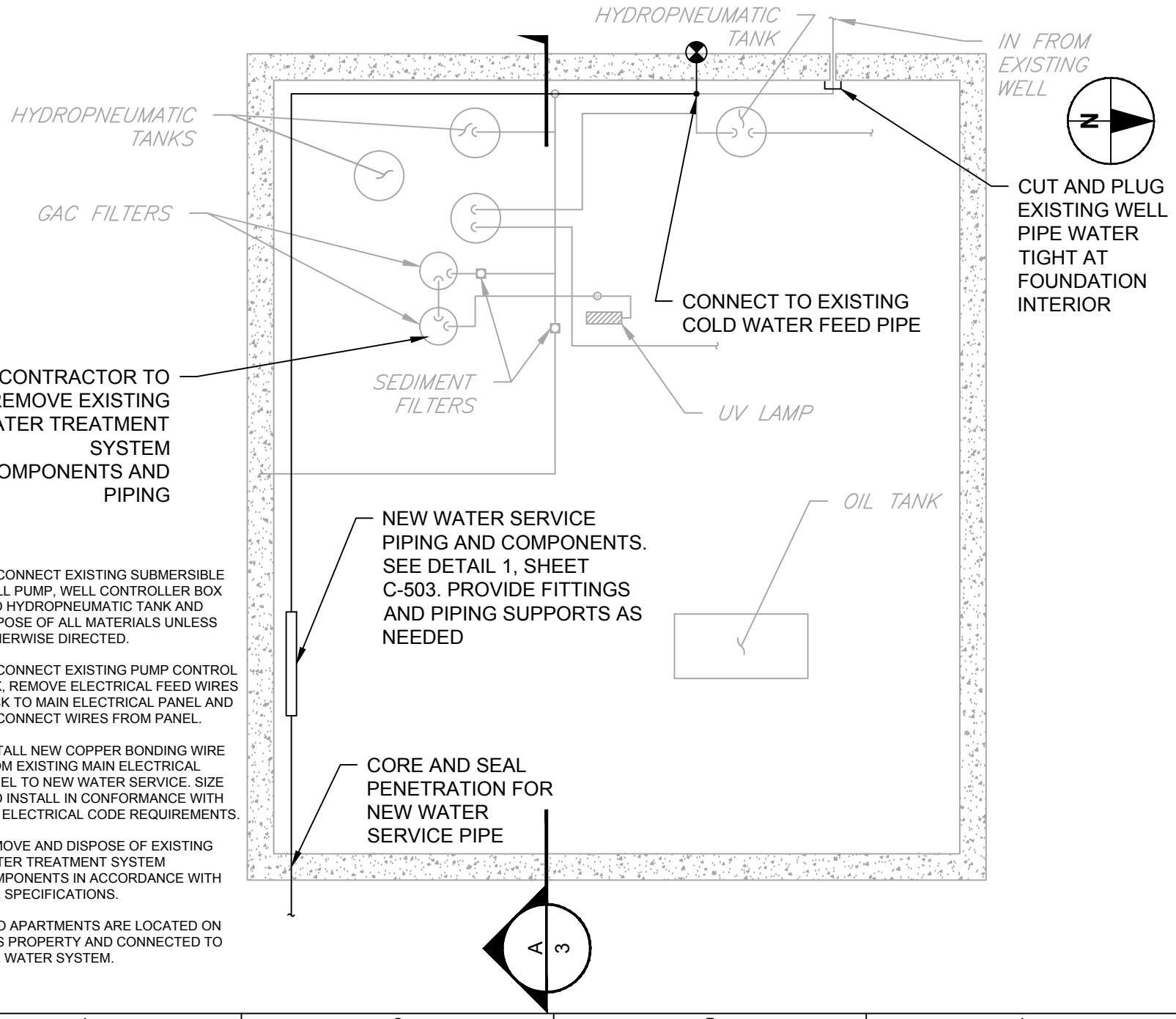
TOWN OF DURHAM
238 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-238MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 4

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



NOTES:

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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.
5. TWO APARTMENTS ARE LOCATED ON THIS PROPERTY AND CONNECTED TO THE WATER SYSTEM.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
238 MAIN ST.

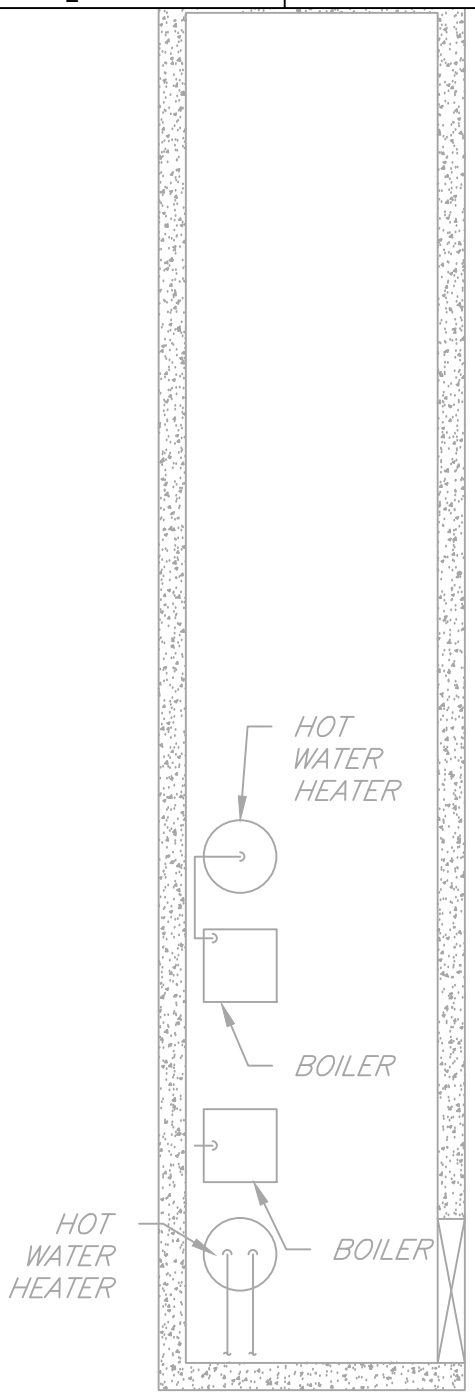
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	238 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

NOTES:

1. THE CONTRACTOR SHALL CONNECT THE PROPOSED WATER SYSTEM TO THE BOILERS AND HOT WATER HEATERS ON THE SOUTH SIDE OF THE BUILDING AS SHOWN. TWO APARTMENTS ARE LOCATED ON THIS PROPERTY AND CONNECTED TO THE WATER SYSTEM.



SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

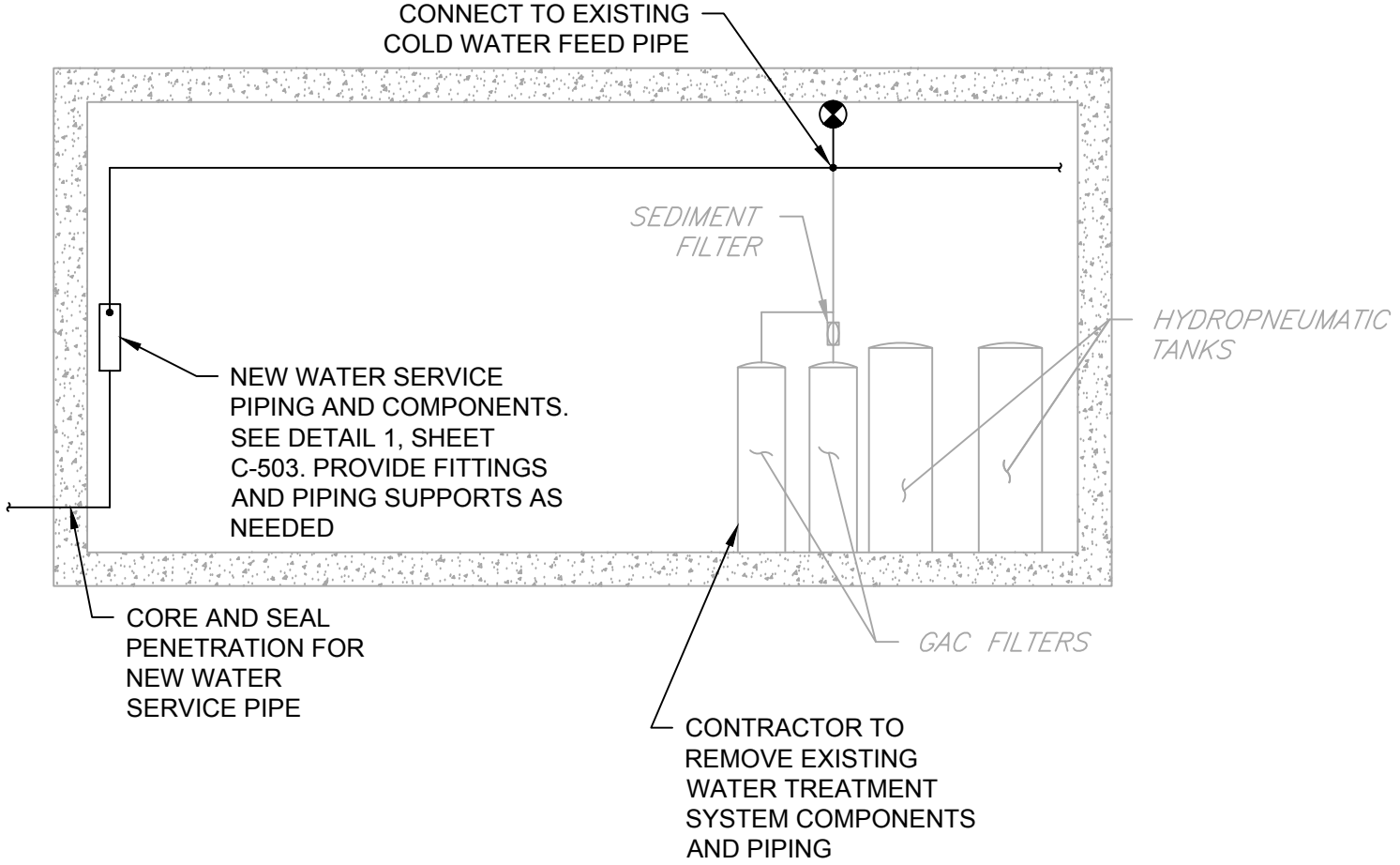
TOWN OF DURHAM
238 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN B VIEW

PROJECT NO:	60275749
CAD FILE:	238 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

SOUTH VIEW



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
238 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	238 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

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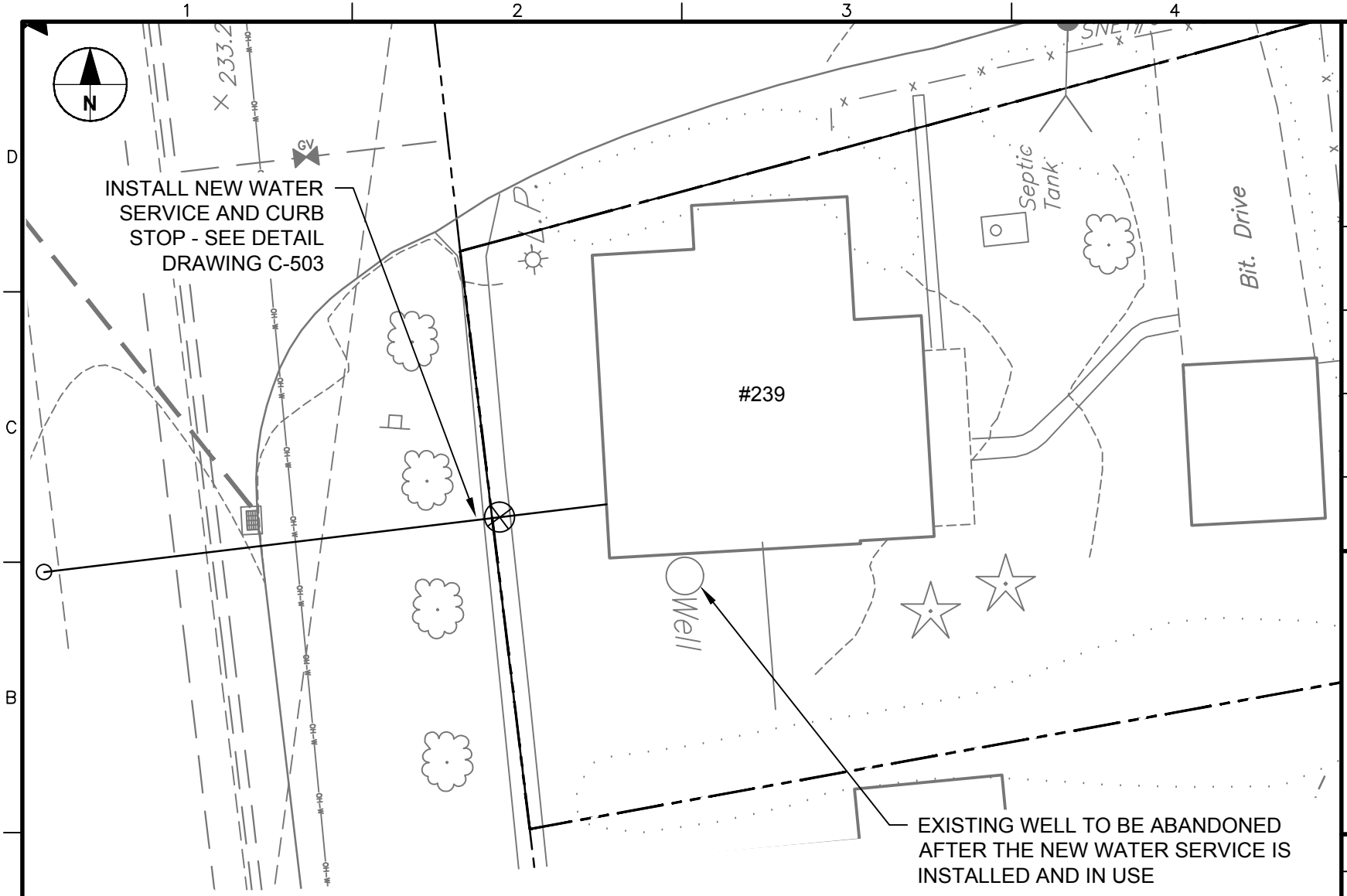
239 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED BY OWNER

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

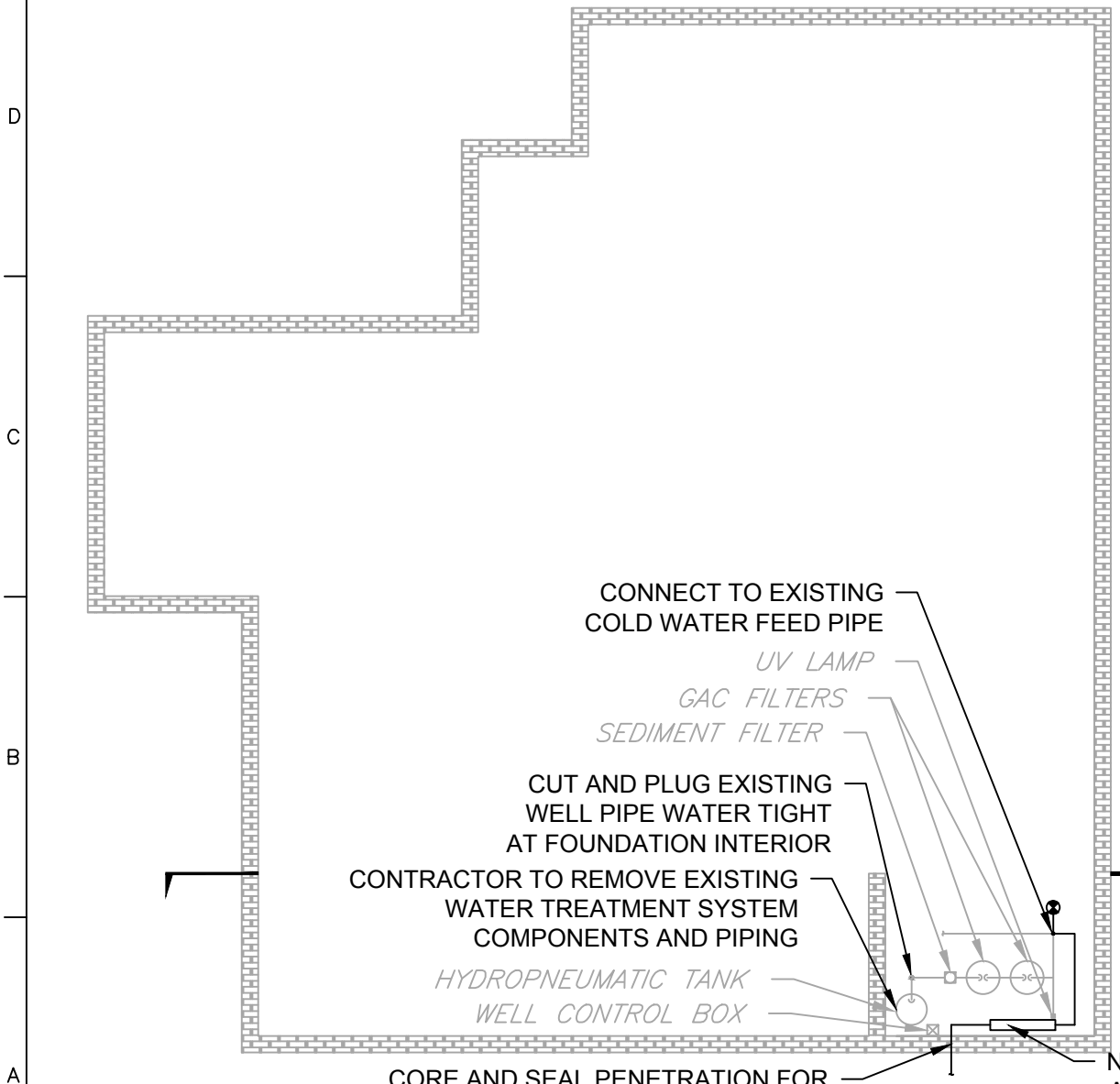
TOWN OF DURHAM
239 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-239MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"



N

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
239 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

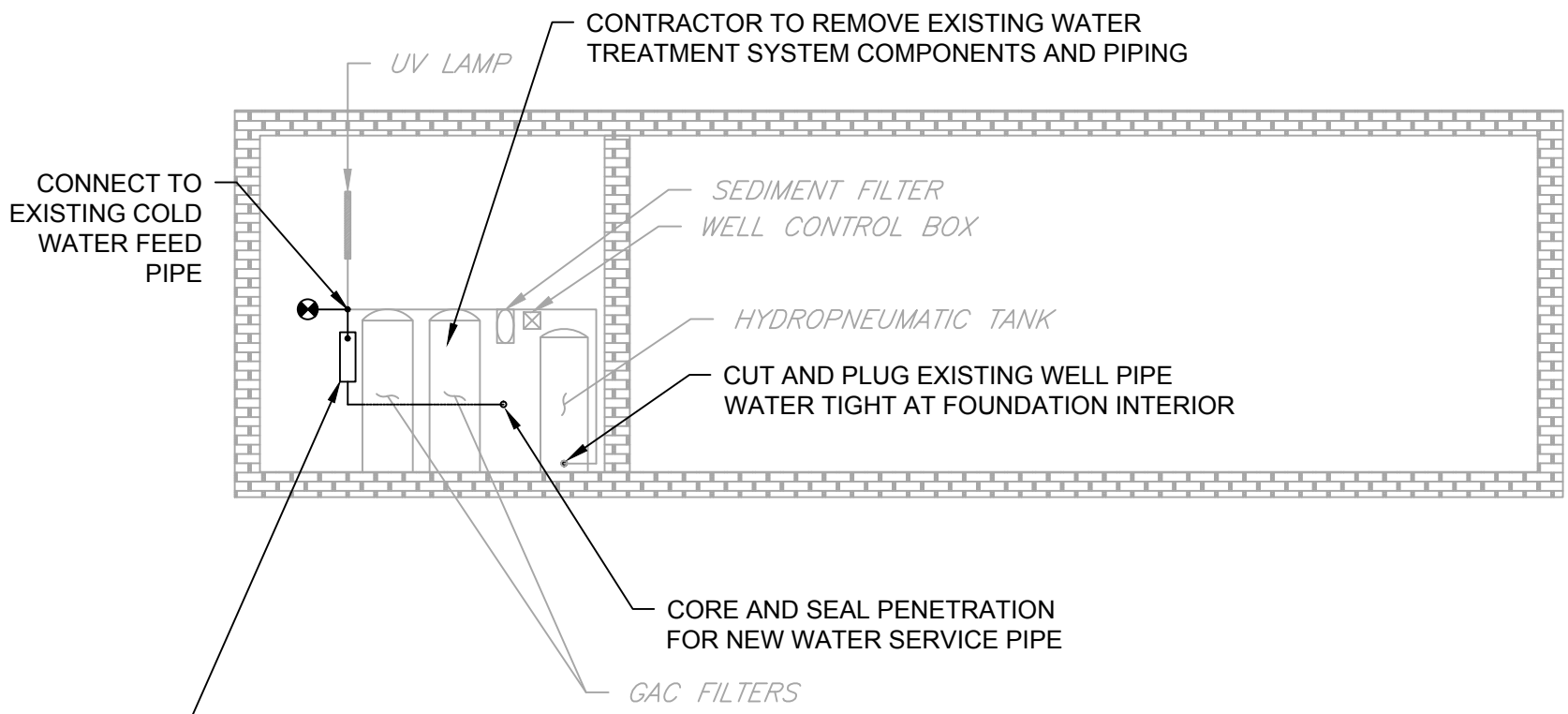
PROJECT NO:	60275749
CAD FILE:	239 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

WEST VIEW



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
239 MAIN ST.

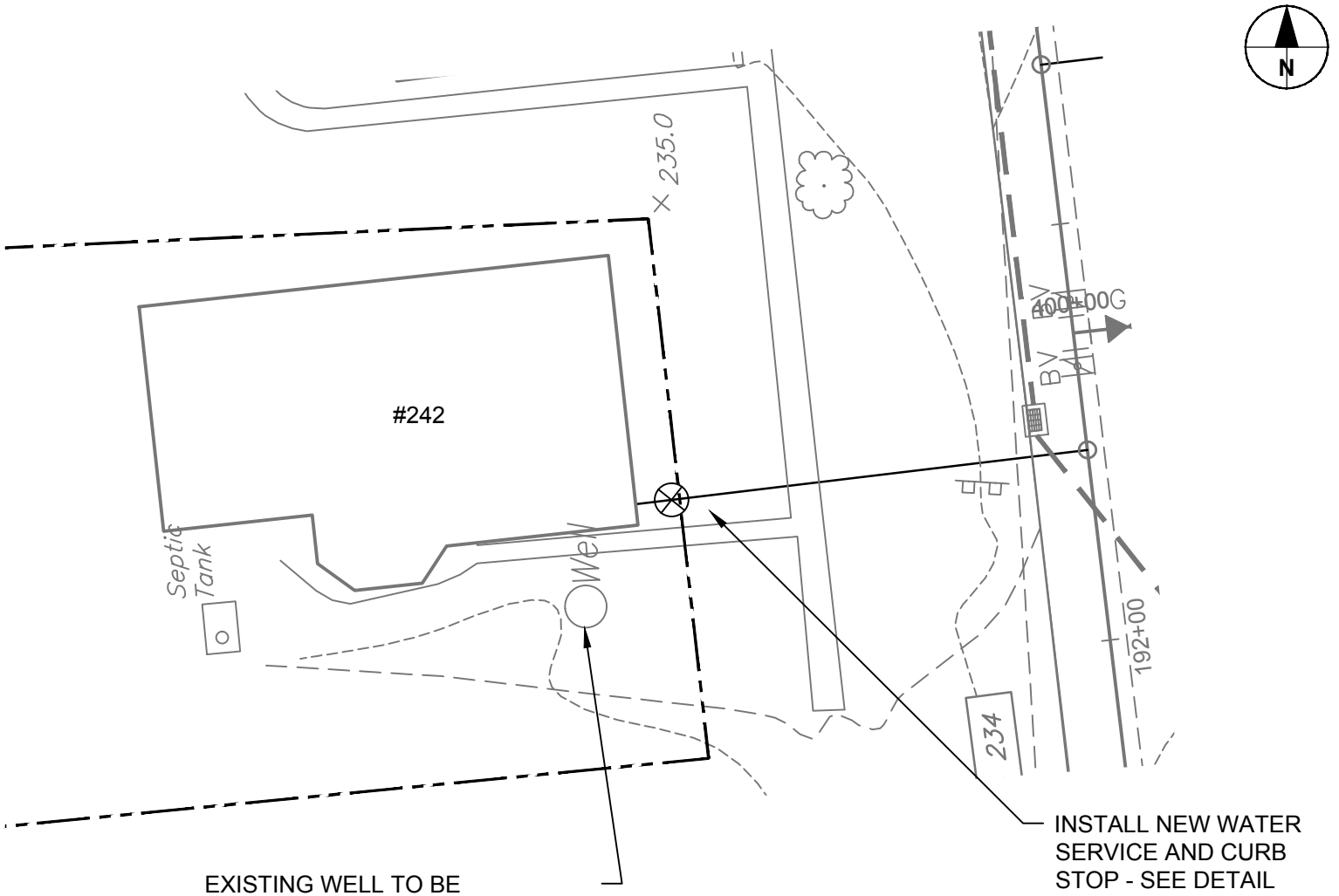
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	239 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

242 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

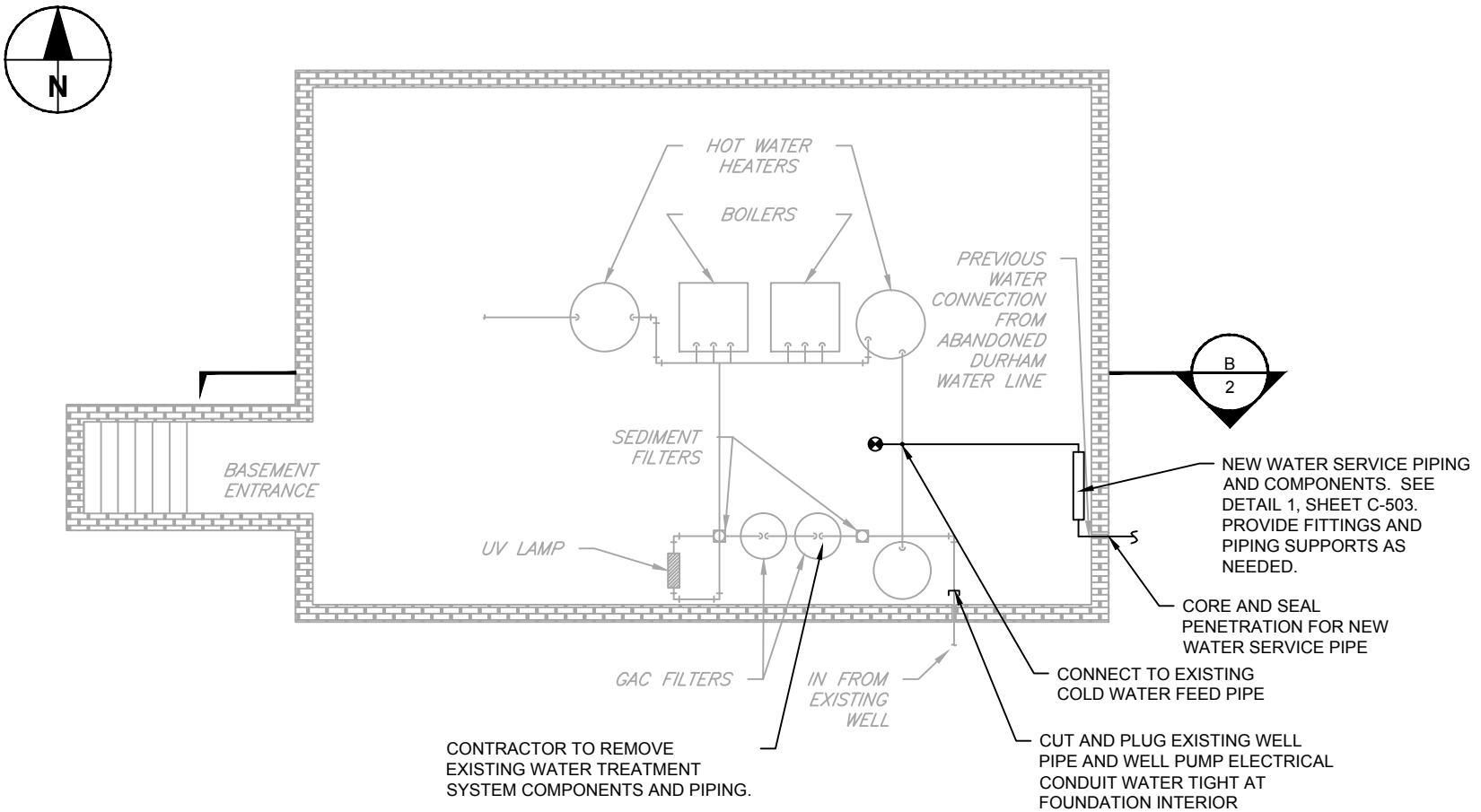
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
242 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-242MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

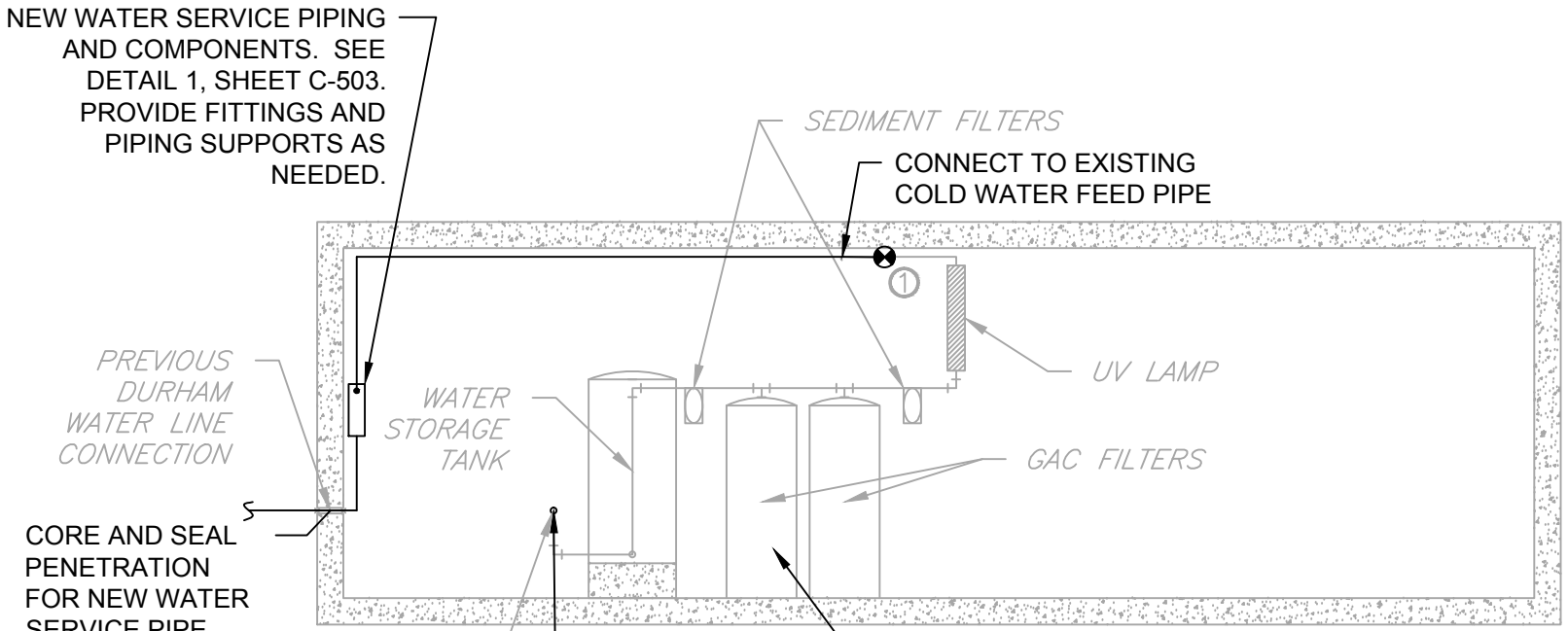
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
242 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



B/2 **SECTION B-B**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
242 MAIN ST.

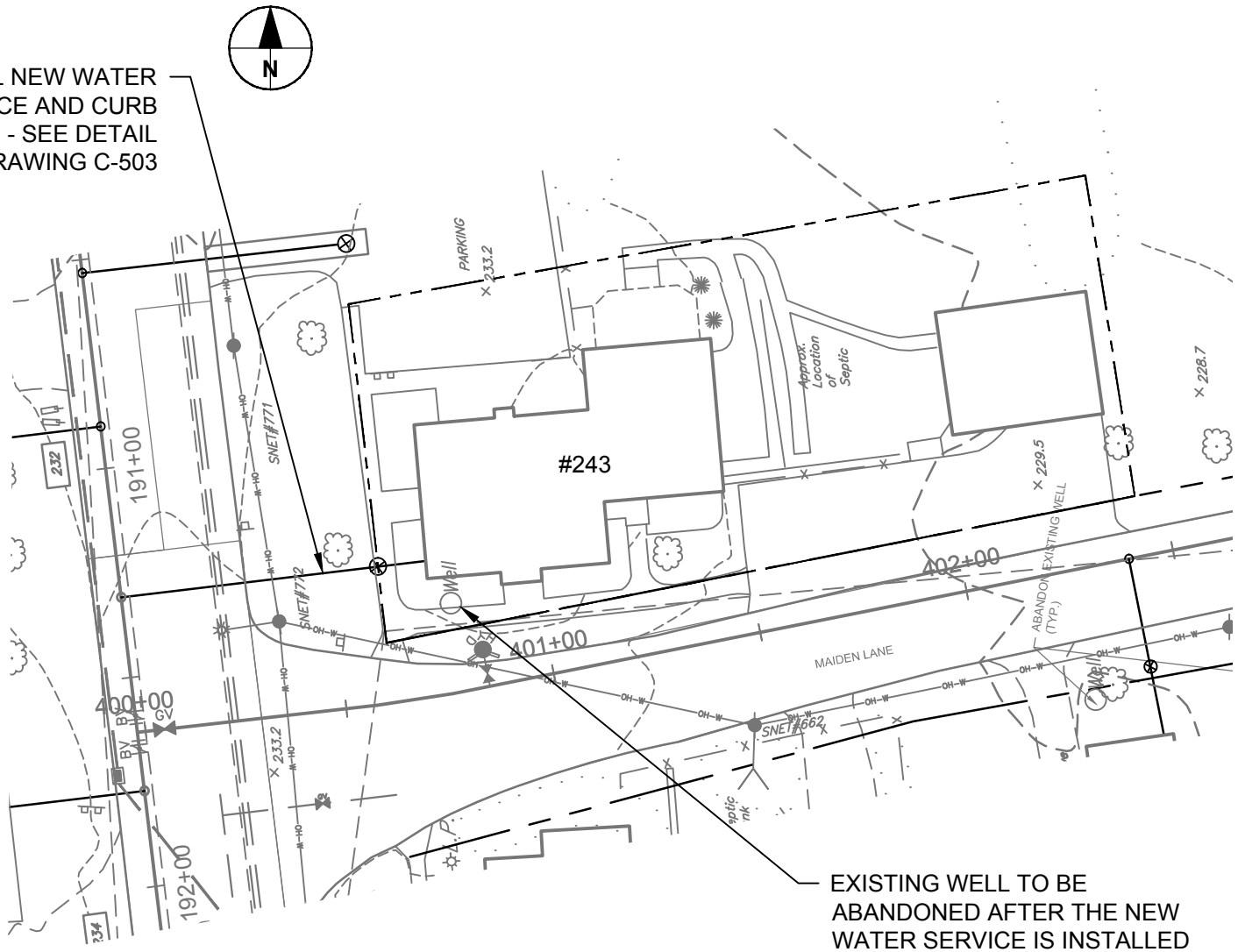
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

243 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

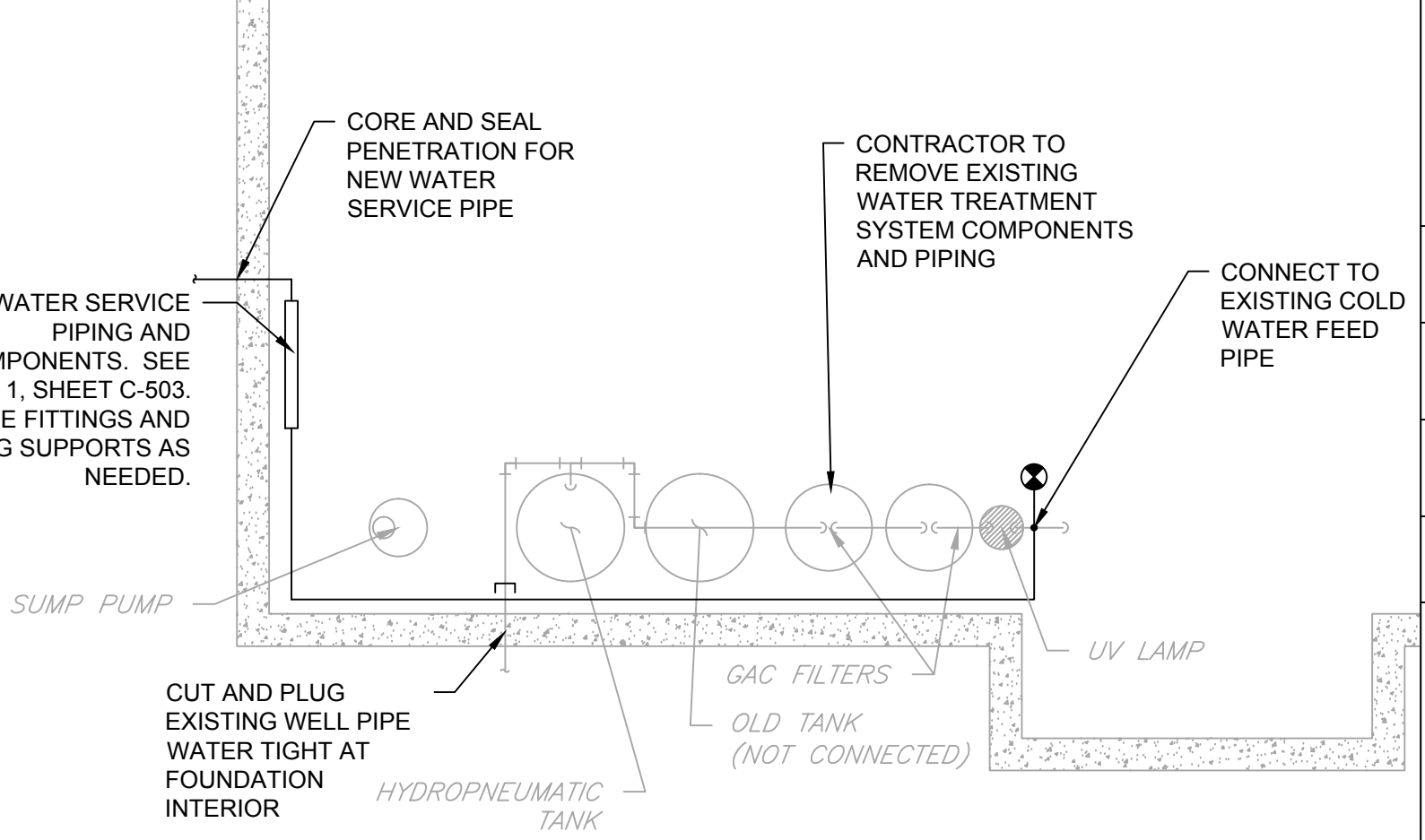
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
243 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-243MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

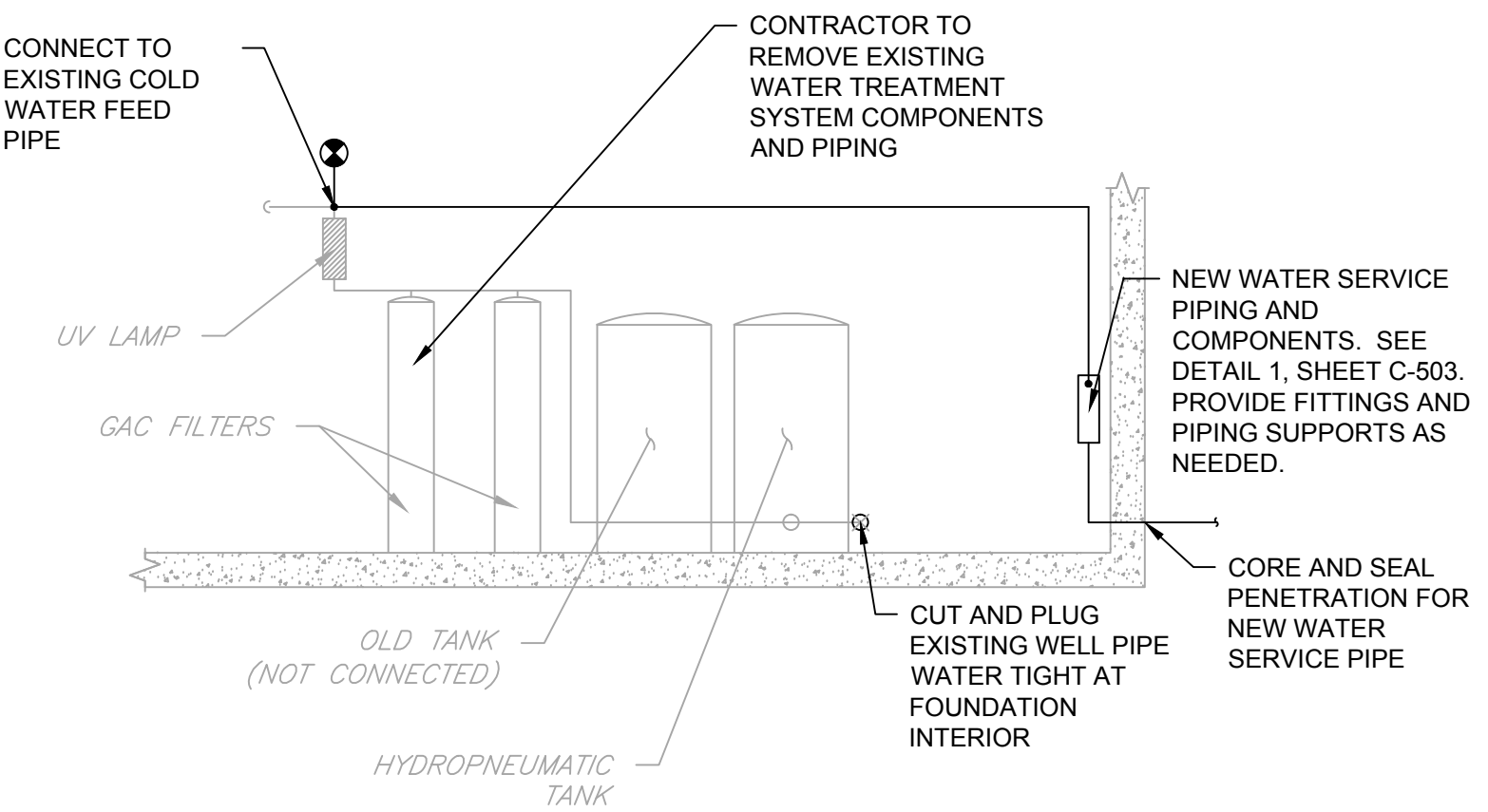
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
243 MAIN STREET.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	243 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
243 MAIN STREET.

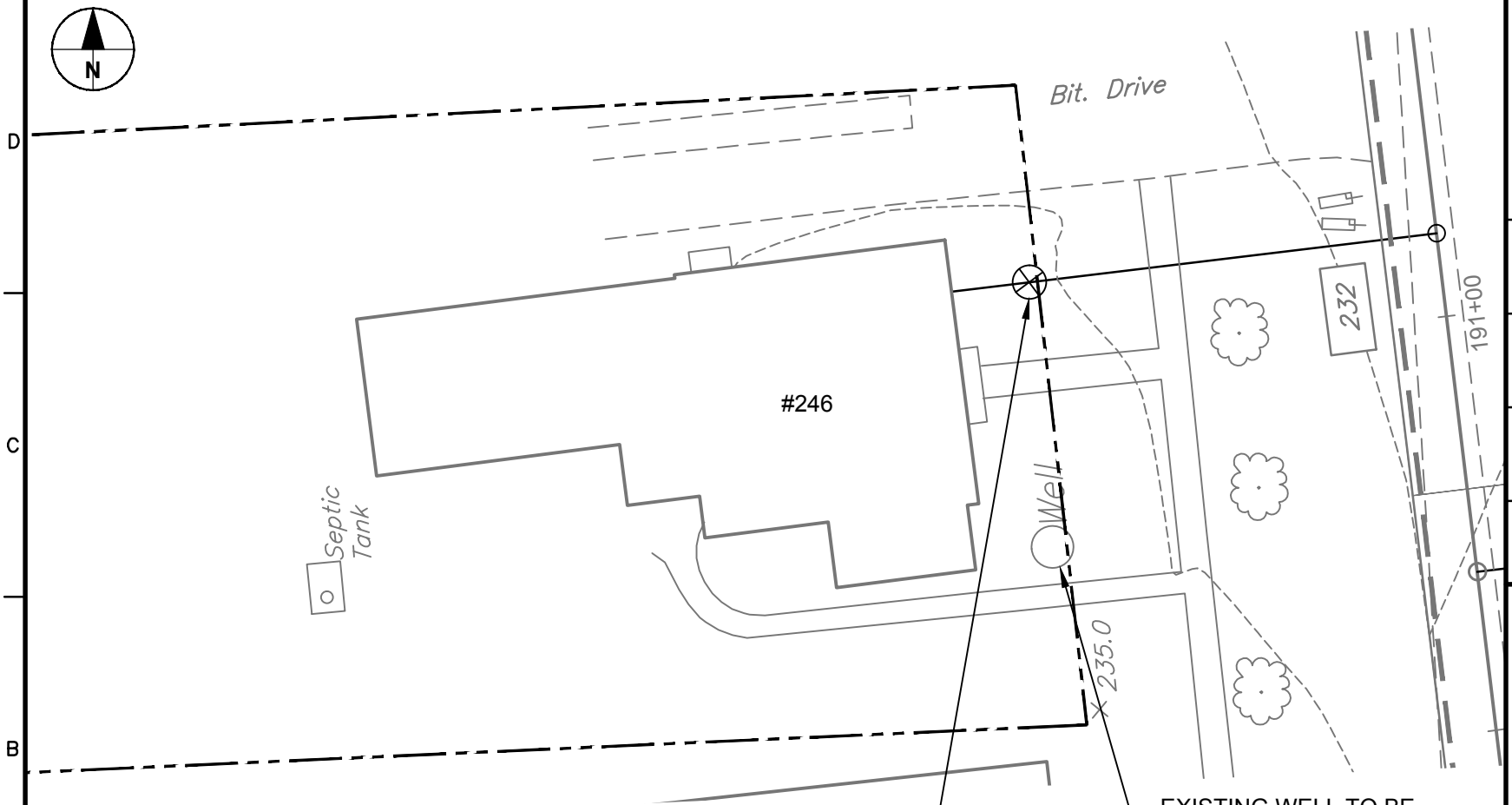
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	243 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

246 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

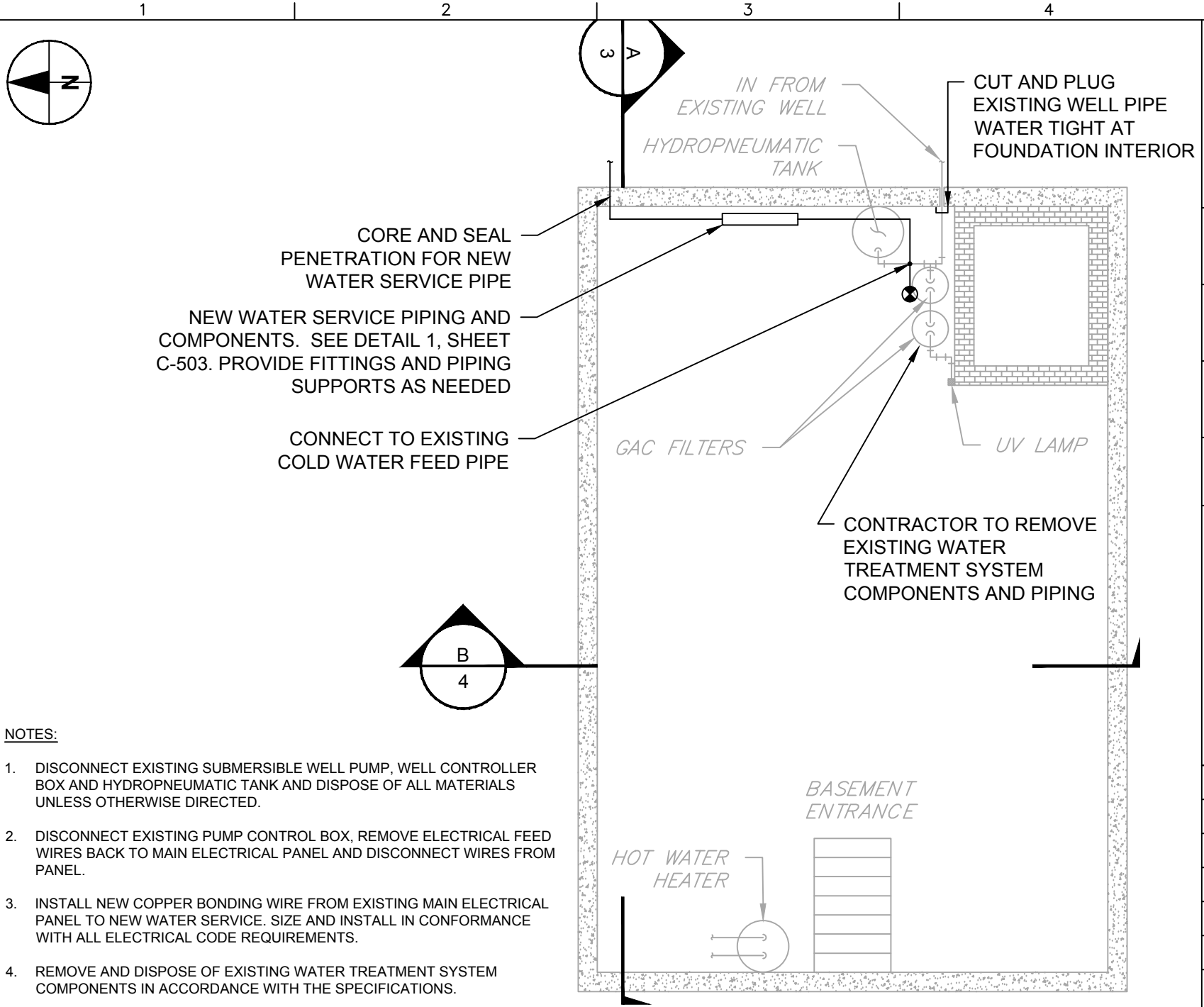
TOWN OF DURHAM
246 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-246MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 4

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
246 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

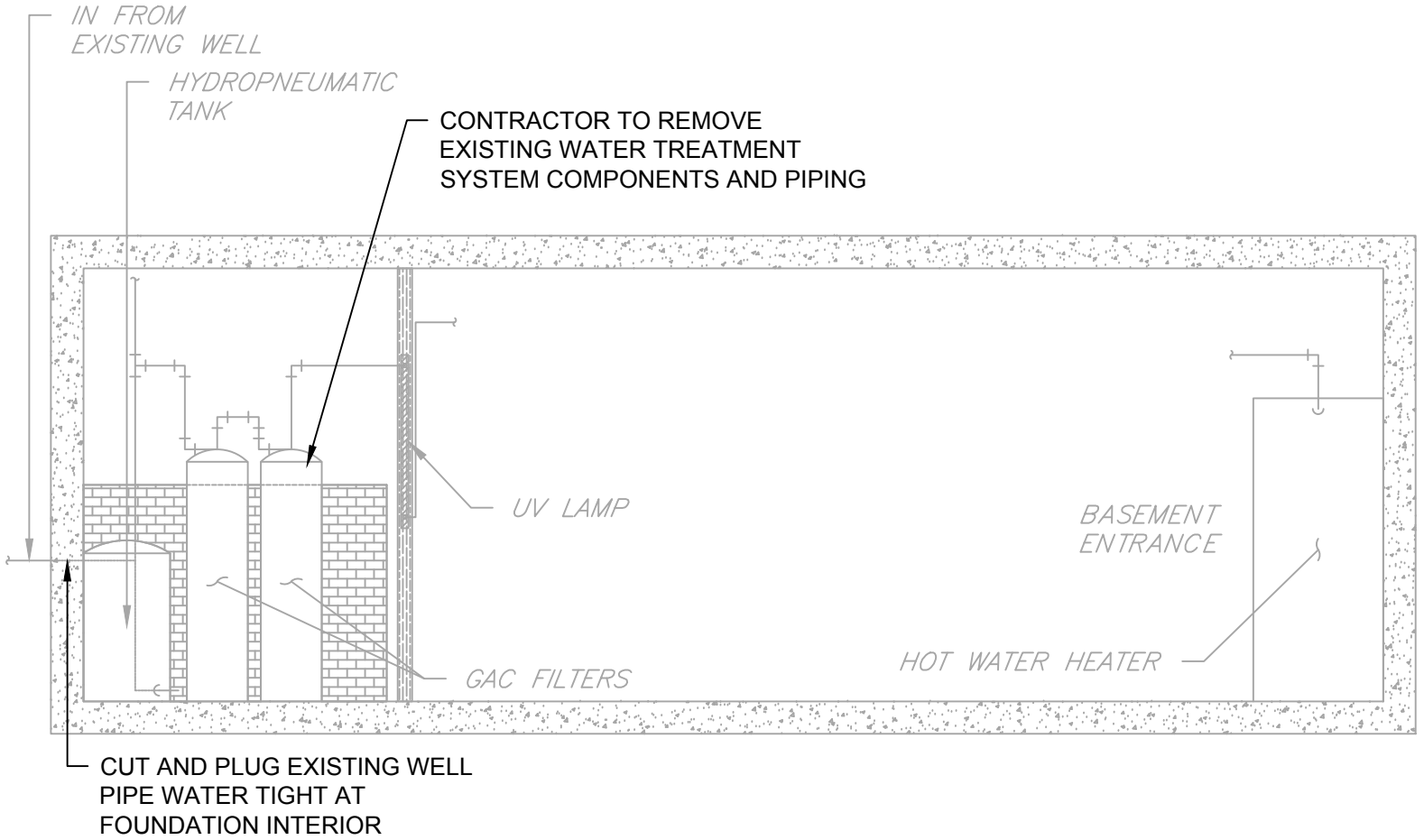
PROJECT NO:	60275749
CAD FILE:	246 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

SOUTH VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
246 MAIN STREET
INTERIOR SERVICE CONNECTIONS
ELEVATION A VIEW

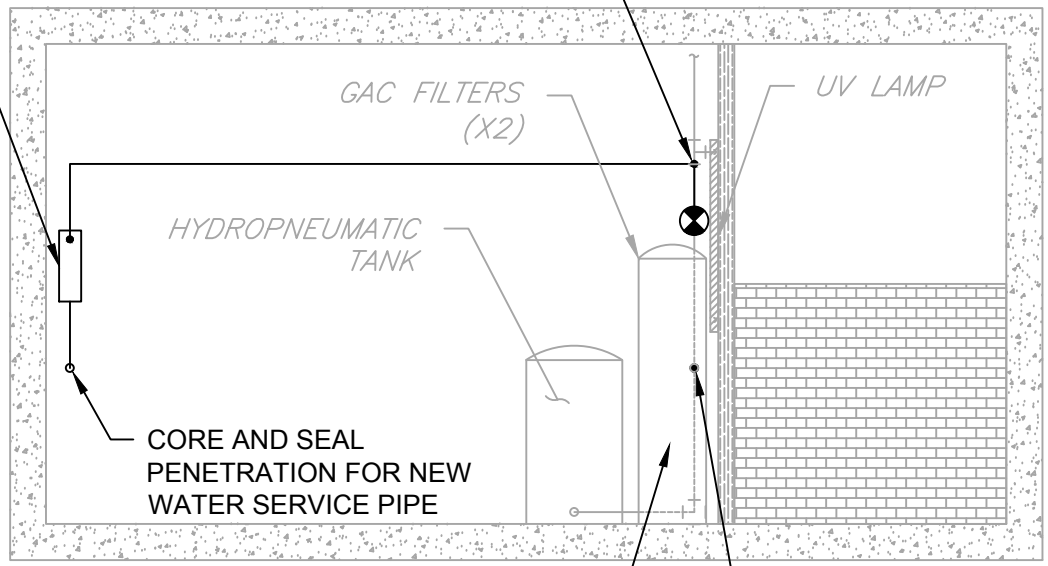
PROJECT NO:	60275749
CAD FILE:	246 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

EAST VIEW



B
2

SECTION B-B

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
246 MAIN STREET
INTERIOR SERVICE CONNECTIONS
ELEVATION B VIEW

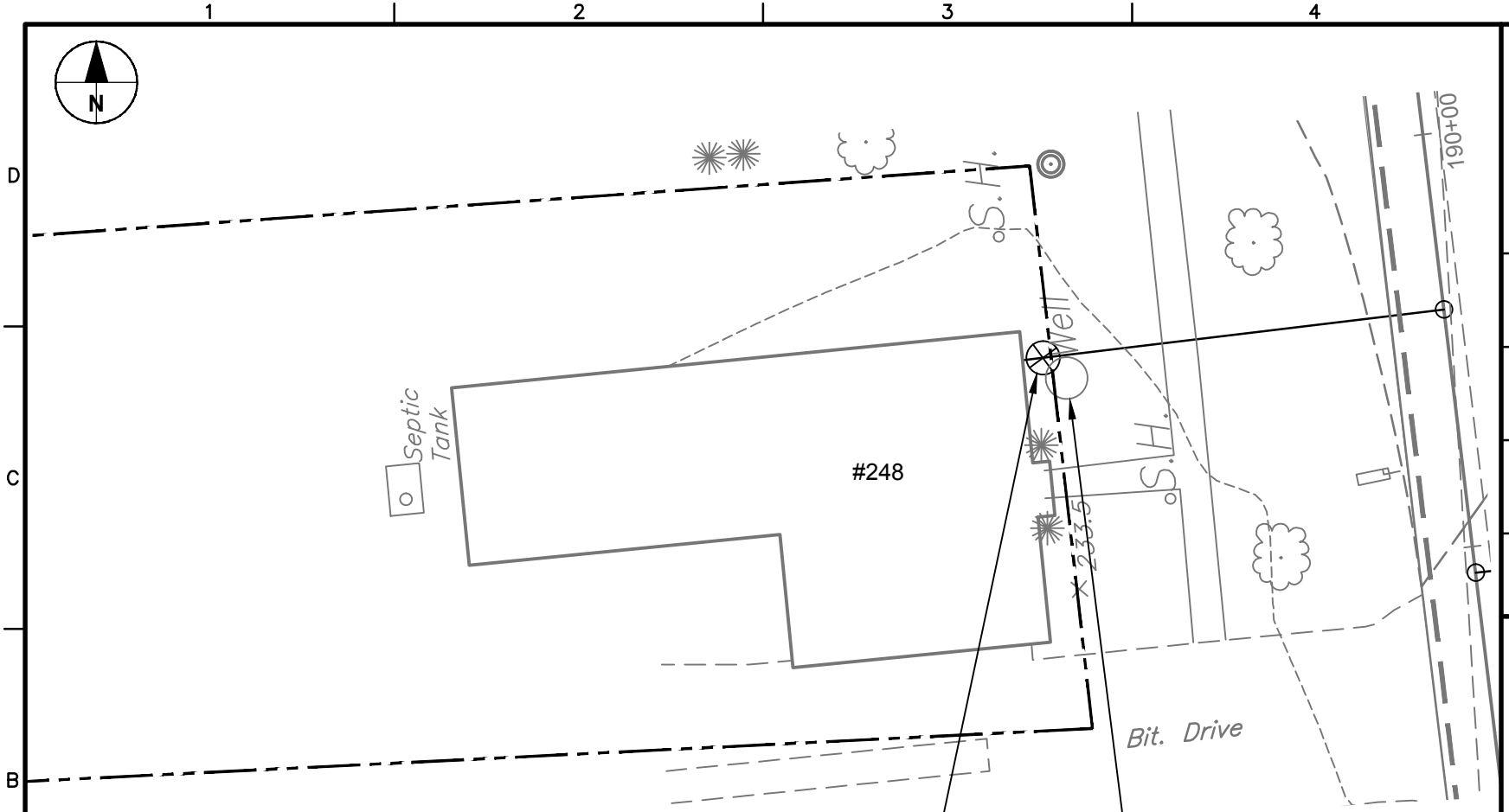
PROJECT NO:	60275749
CAD FILE:	246 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

Page intentionally left blank

248 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

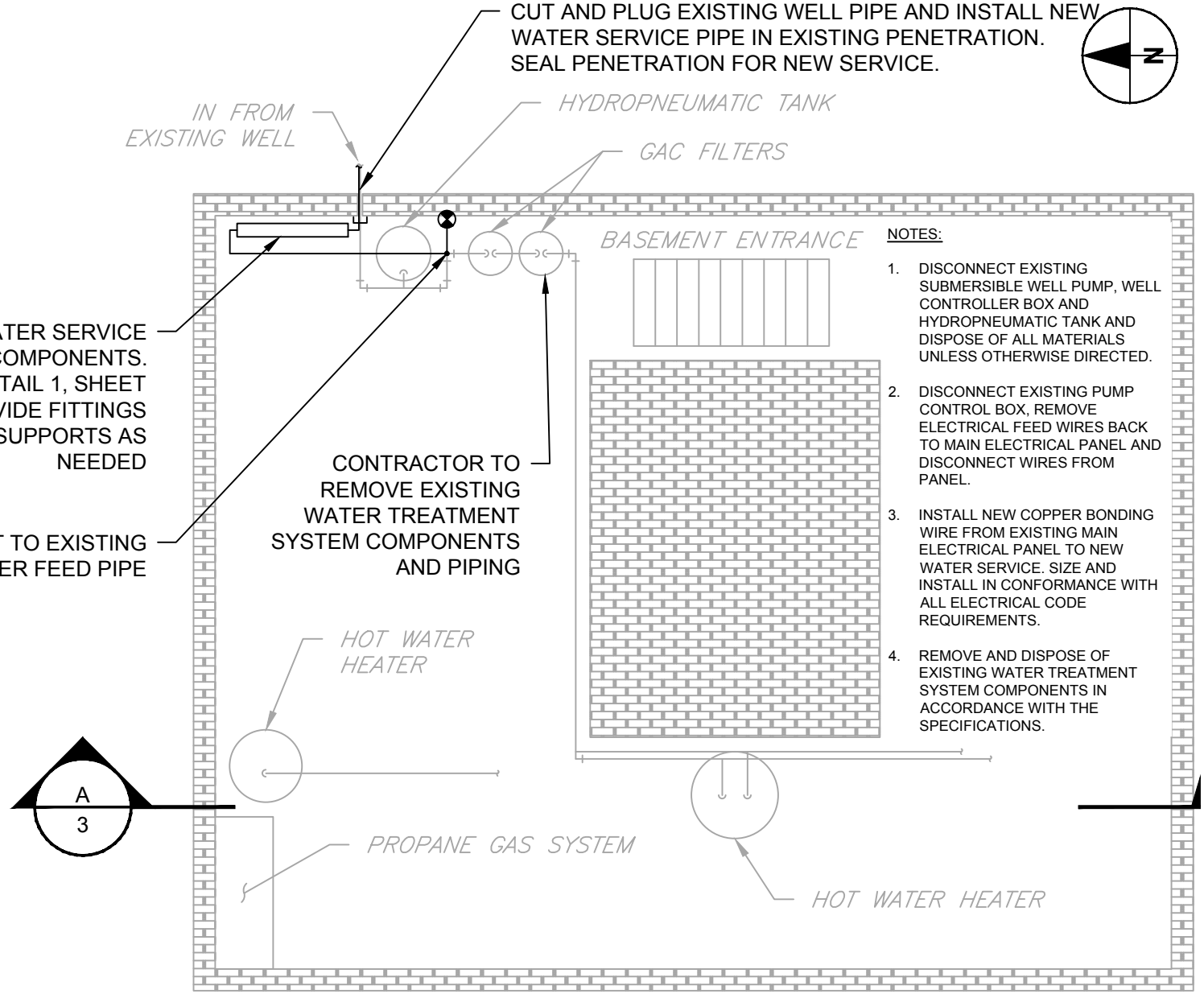
TOWN OF DURHAM
248 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-248MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
248 MAIN ST.

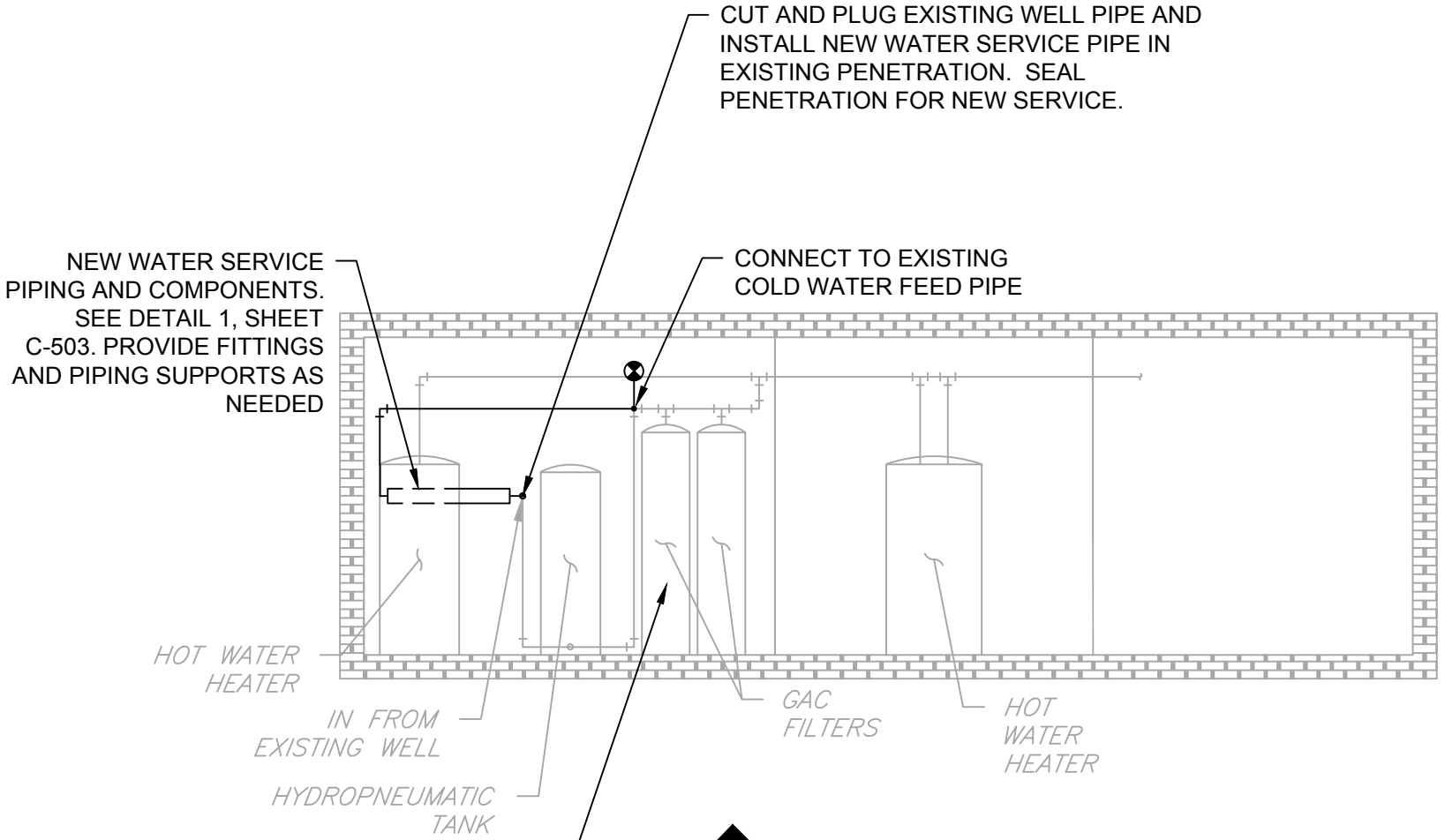
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	248 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
248 MAIN ST.

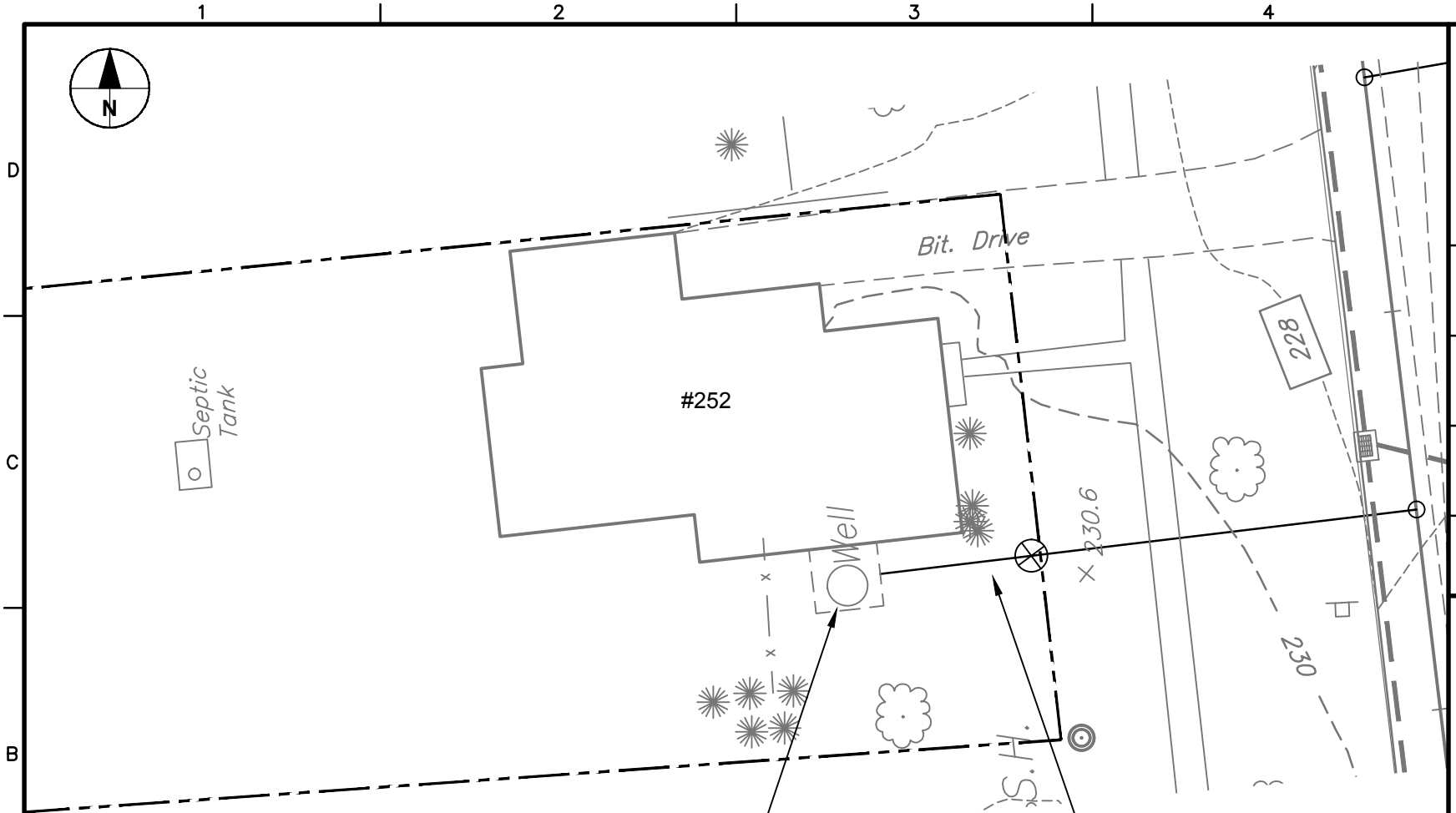
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	248 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

252 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REVISIONS			
MARK	DATE	MADE BY	DESCRIPTION
REV 1	DEC 2016	MCC	ADDENDUM NO. 2
		DGS	CHECKED

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

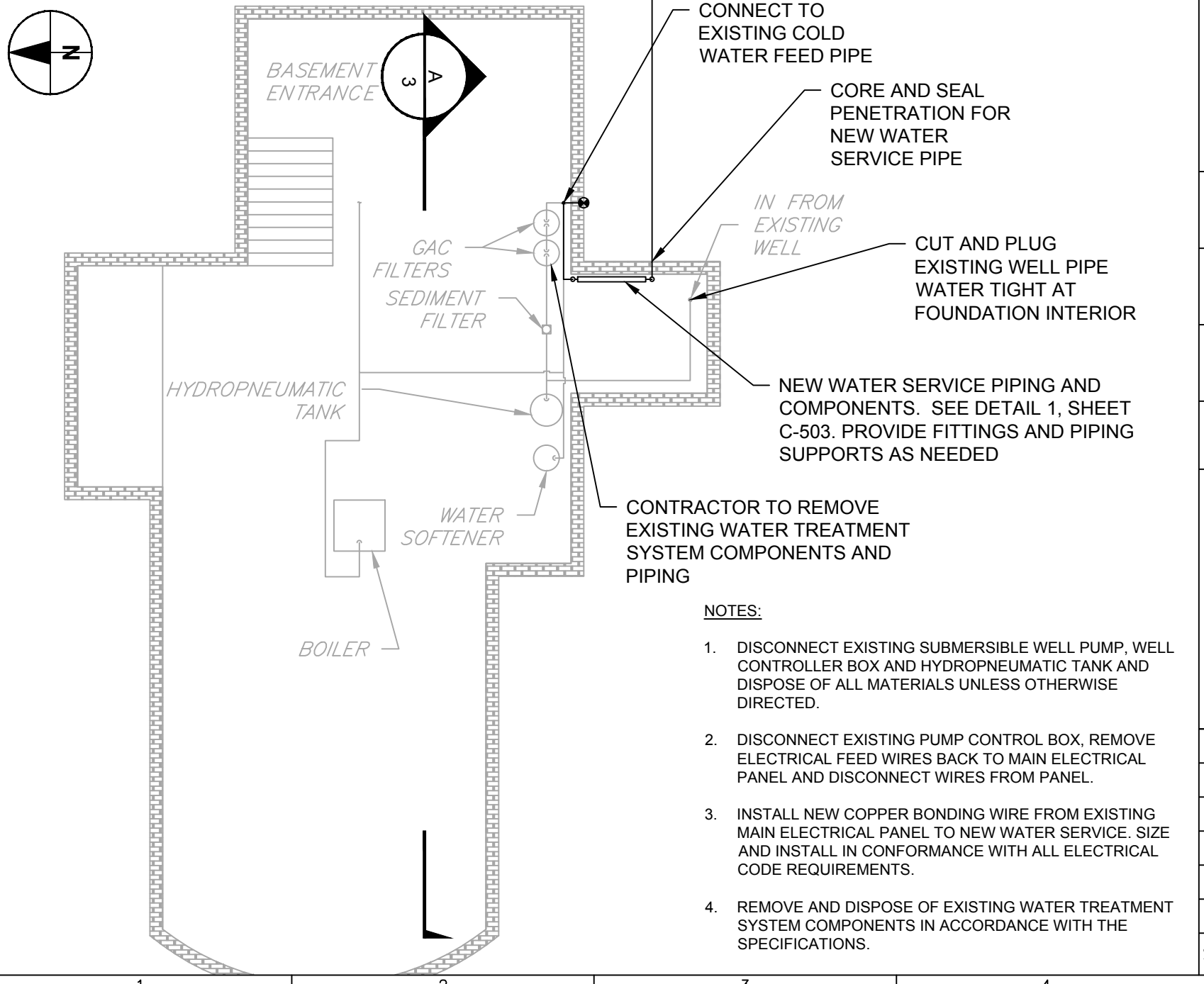
TOWN OF DURHAM
252 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-252MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

REVISIONS	DESCRIPTION	CHECKED	MADE BY	DATE	MARK
ADDENDUM NO. 2		DGS	MCC	DEC 2016	REV 1

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
252 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

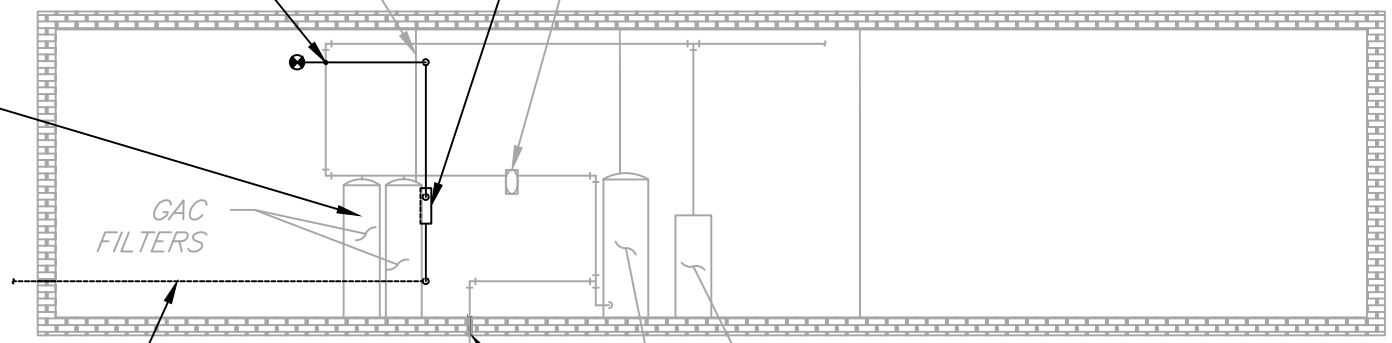
PROJECT NO:	60275749
CAD FILE:	252 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

SOUTH VIEW



A
2

SECTION A-A

REV	MARK	DATE	MADE BY	CHECKED	DESCRIPTION
1		DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

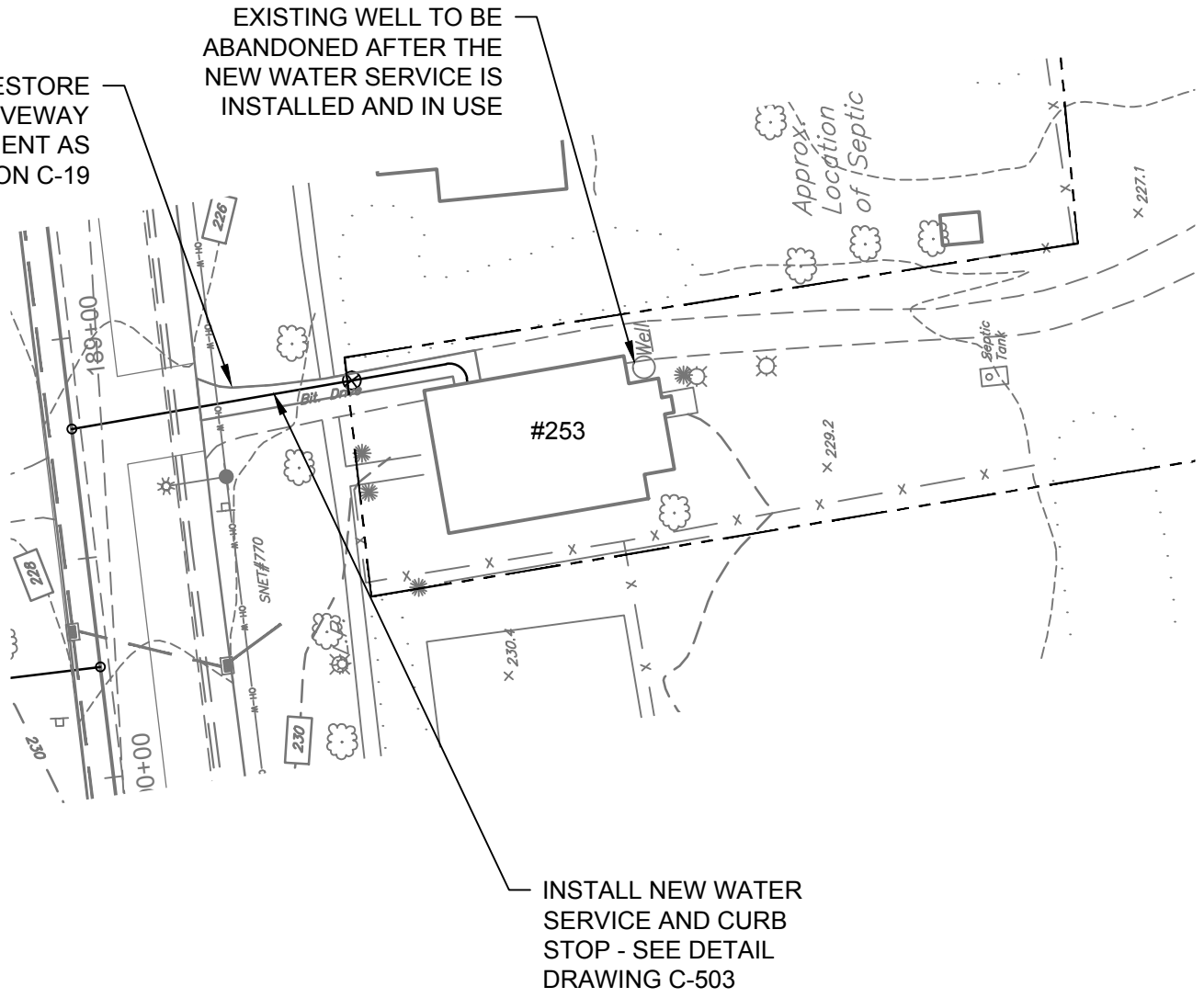
TOWN OF DURHAM
252 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	252 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	3 OF 3

253 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
253 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-253MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 4

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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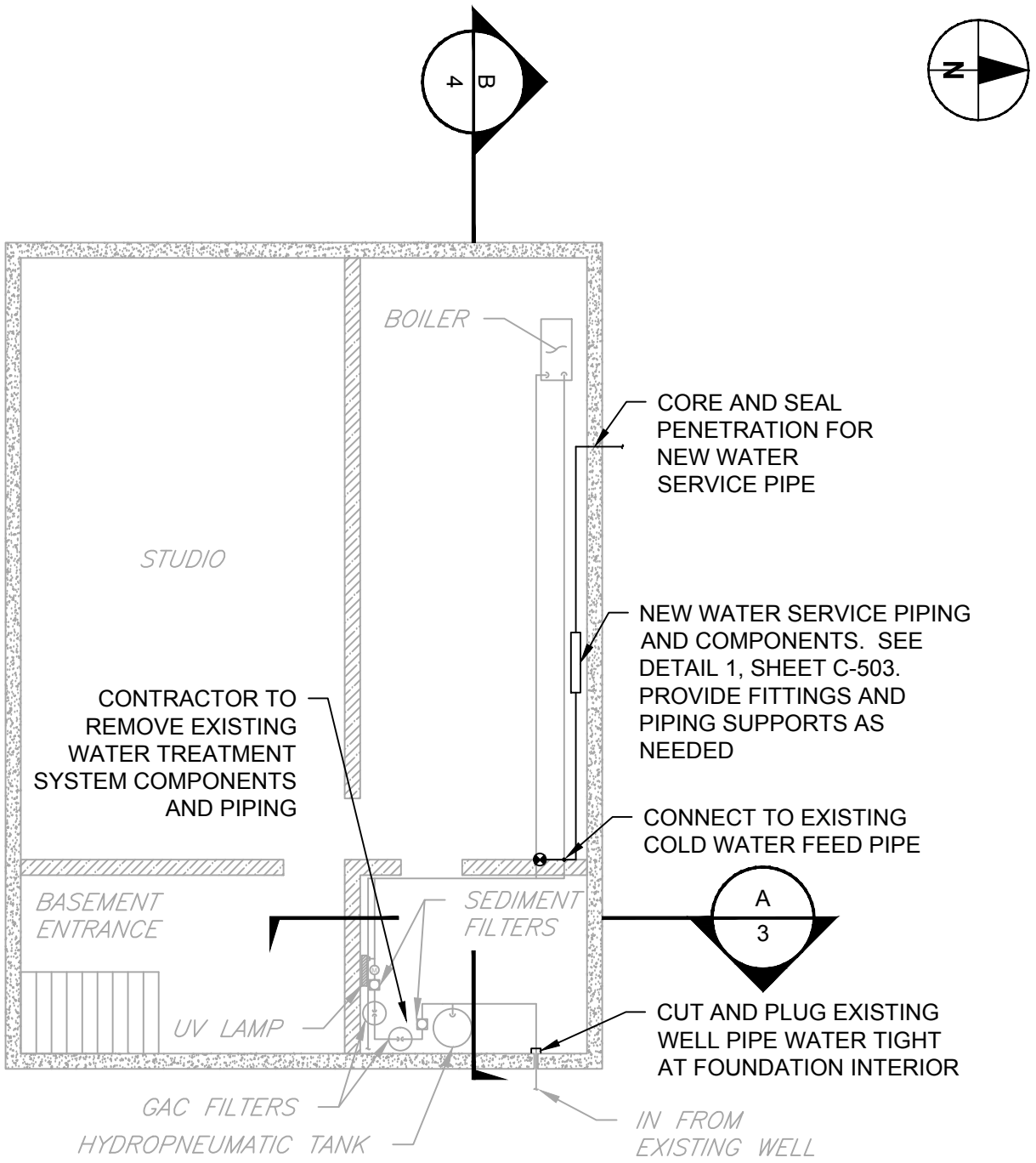
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
253 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

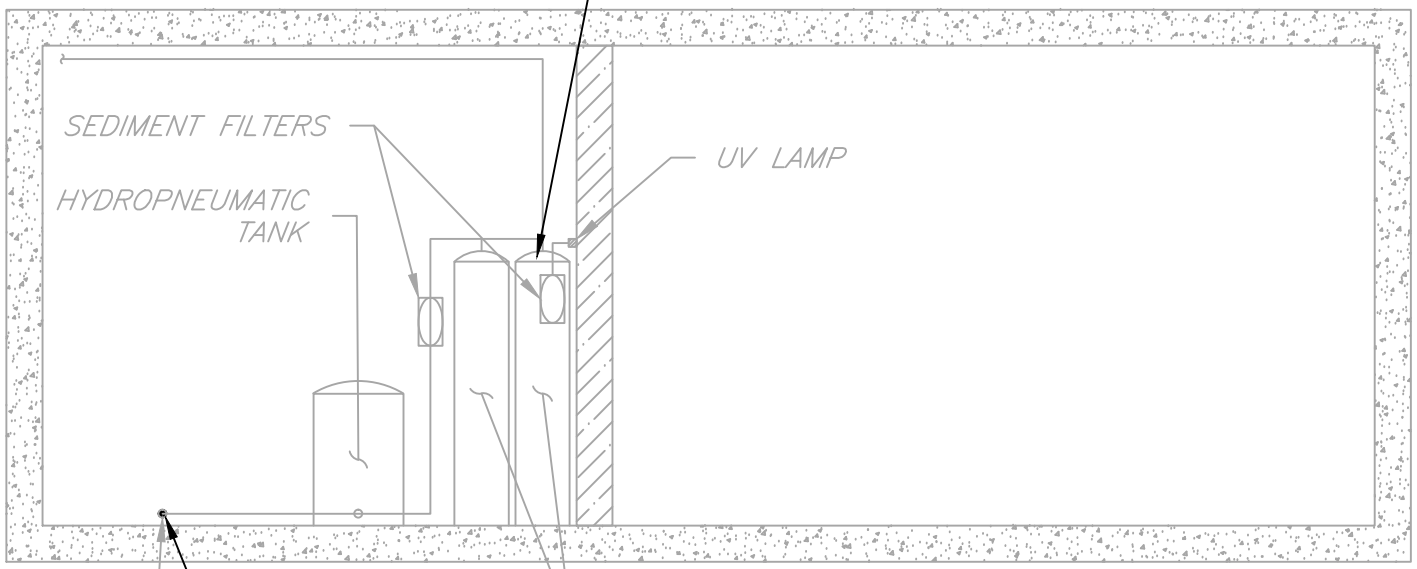
PROJECT NO:	60275749
CAD FILE:	253 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

EAST VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	REVISIONS	DESCRIPTION

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
253 MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

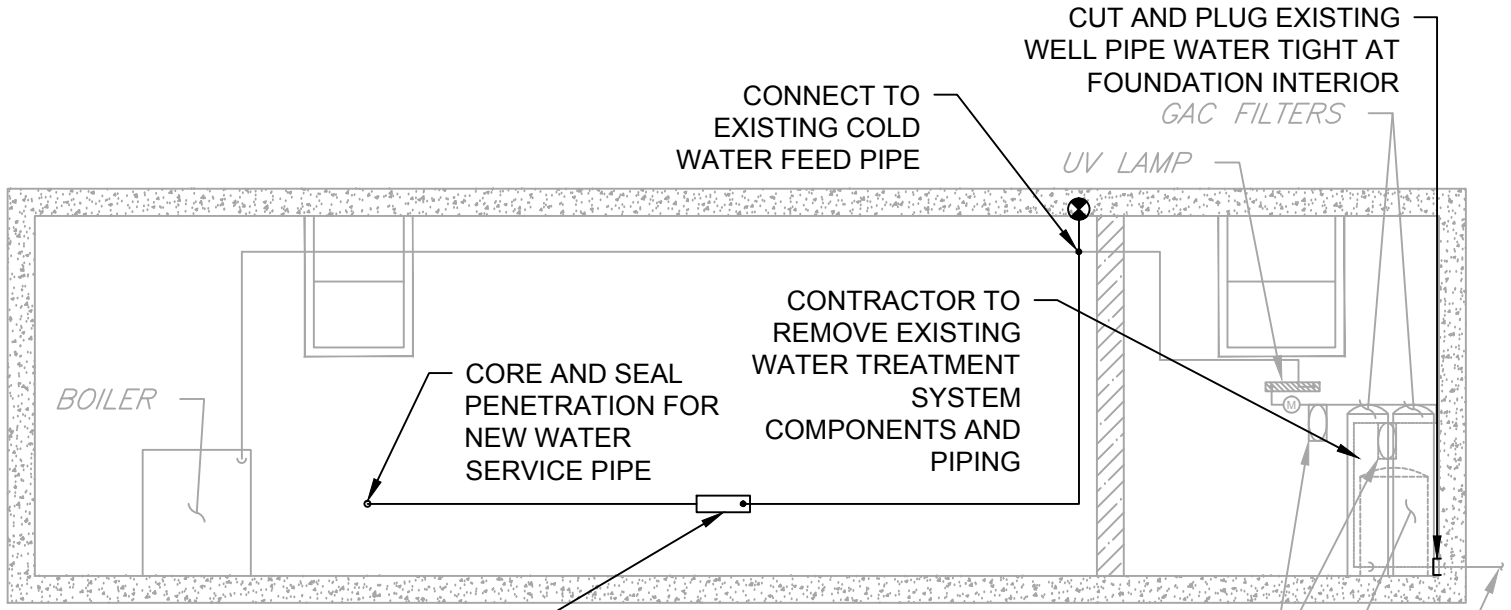
PROJECT NO:	60275749
CAD FILE:	253 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NORTH VIEW



B
2

SECTION B-B

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
253 MAIN ST.

INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

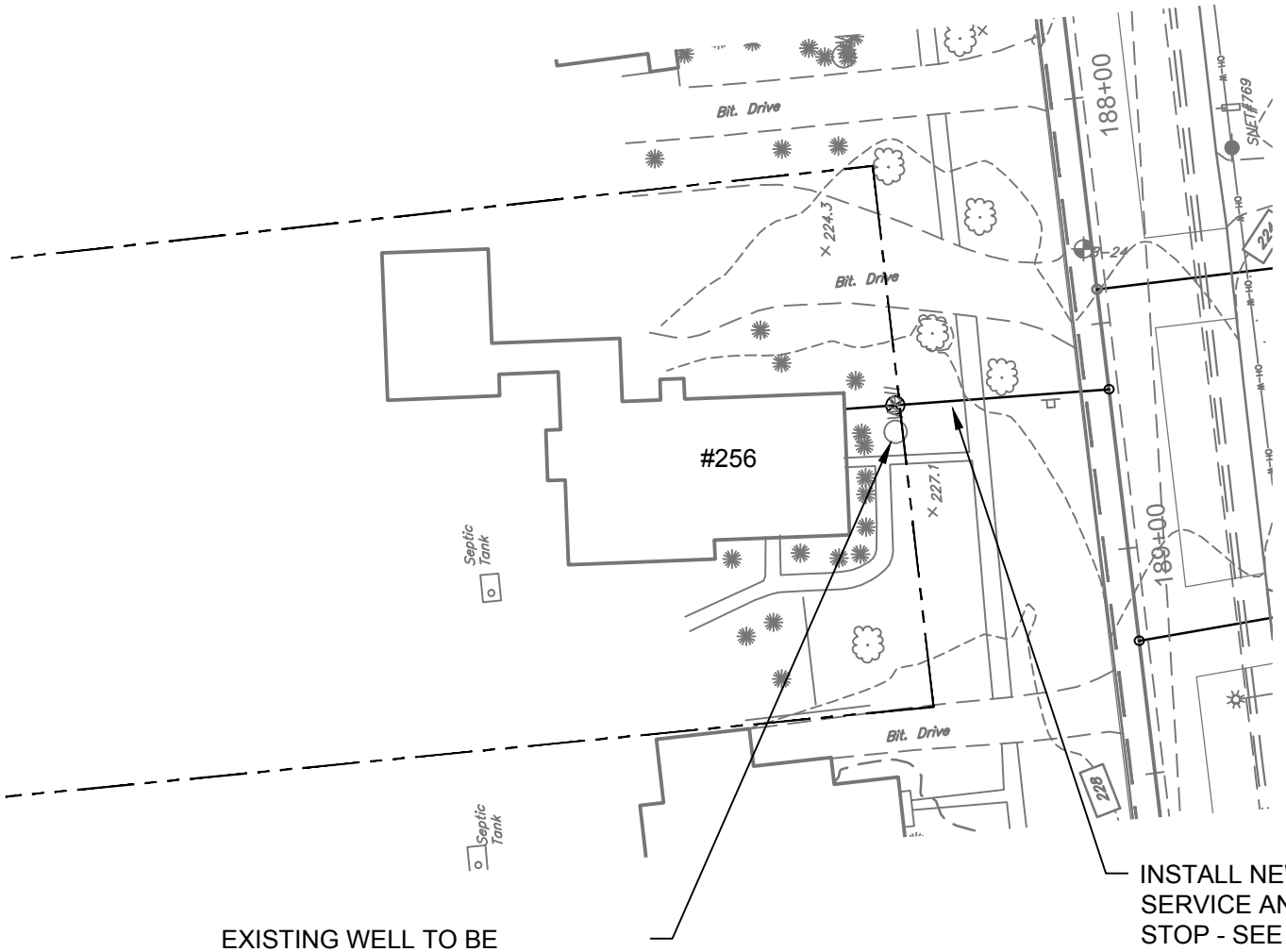
PROJECT NO:	60275749
CAD FILE:	253 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	4 OF 4

Page intentionally left blank

256 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

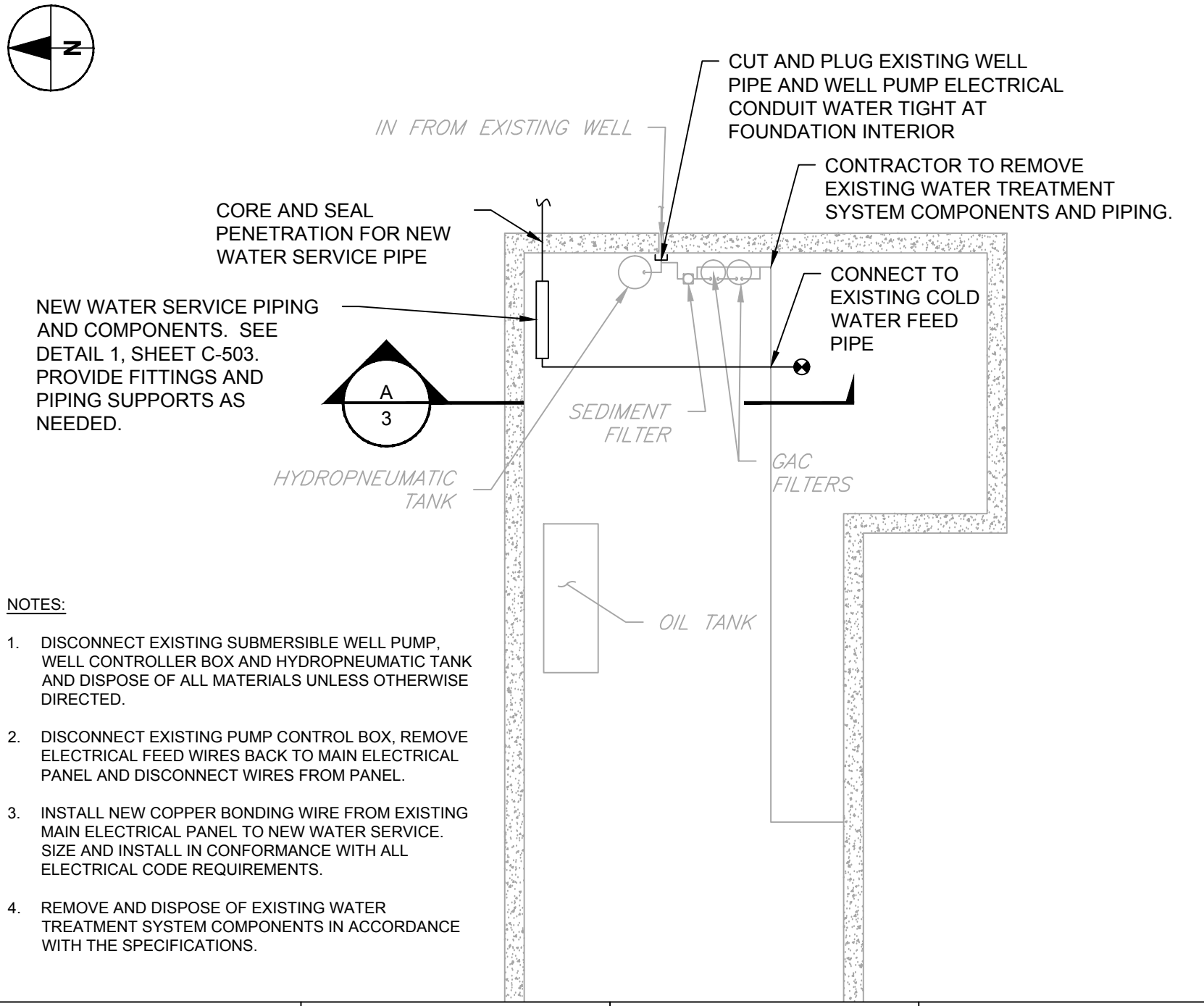
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
256 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-256MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

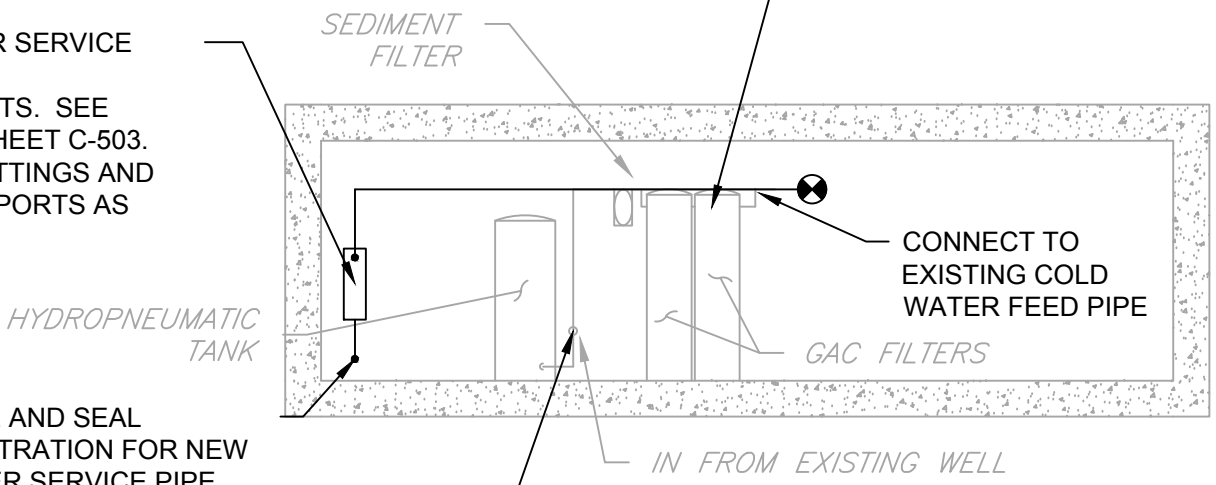
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
256 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	256 Main St.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
256 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

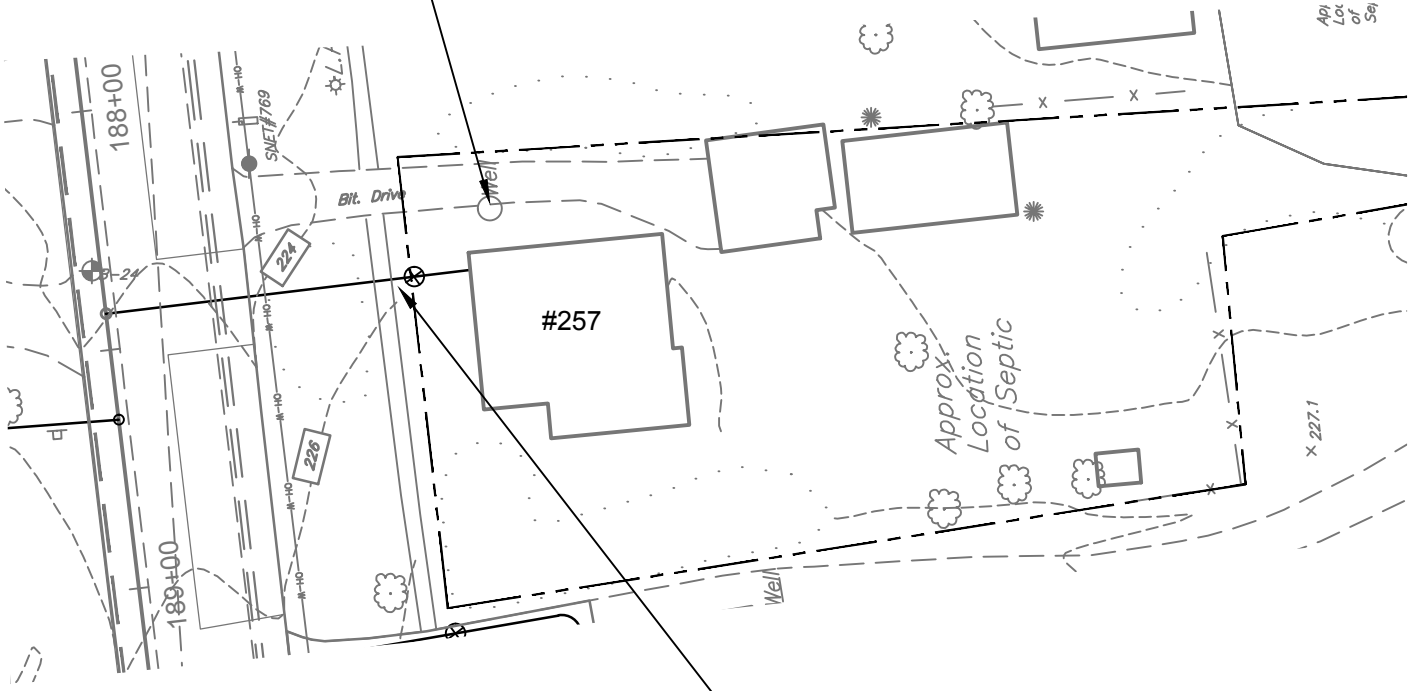
PROJECT NO:	60275749
CAD FILE:	256 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

257 Main Street

PLOTTED: 23-Jan-18

0 40' 80'

EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE



INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

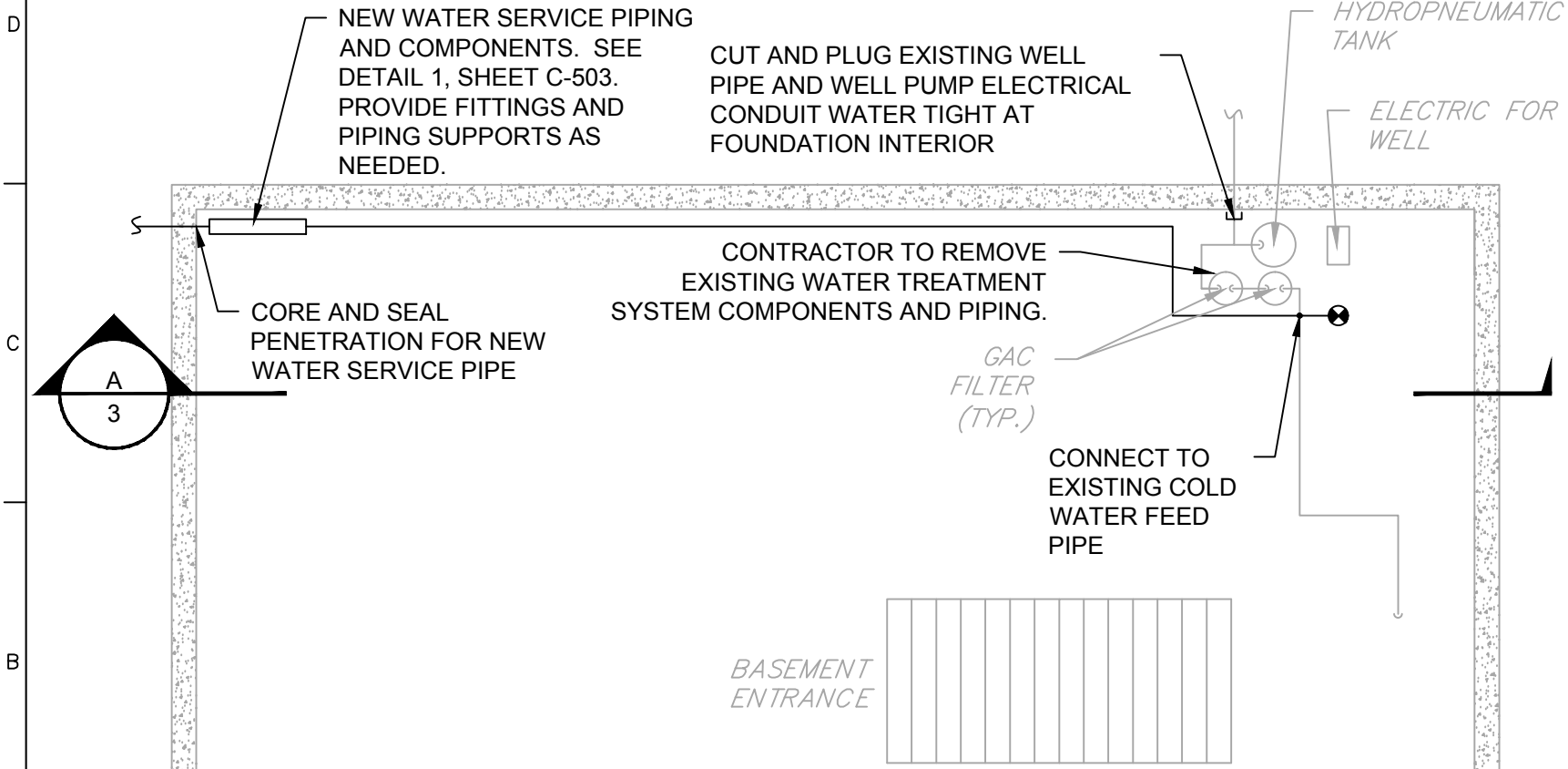
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
257 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-257MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

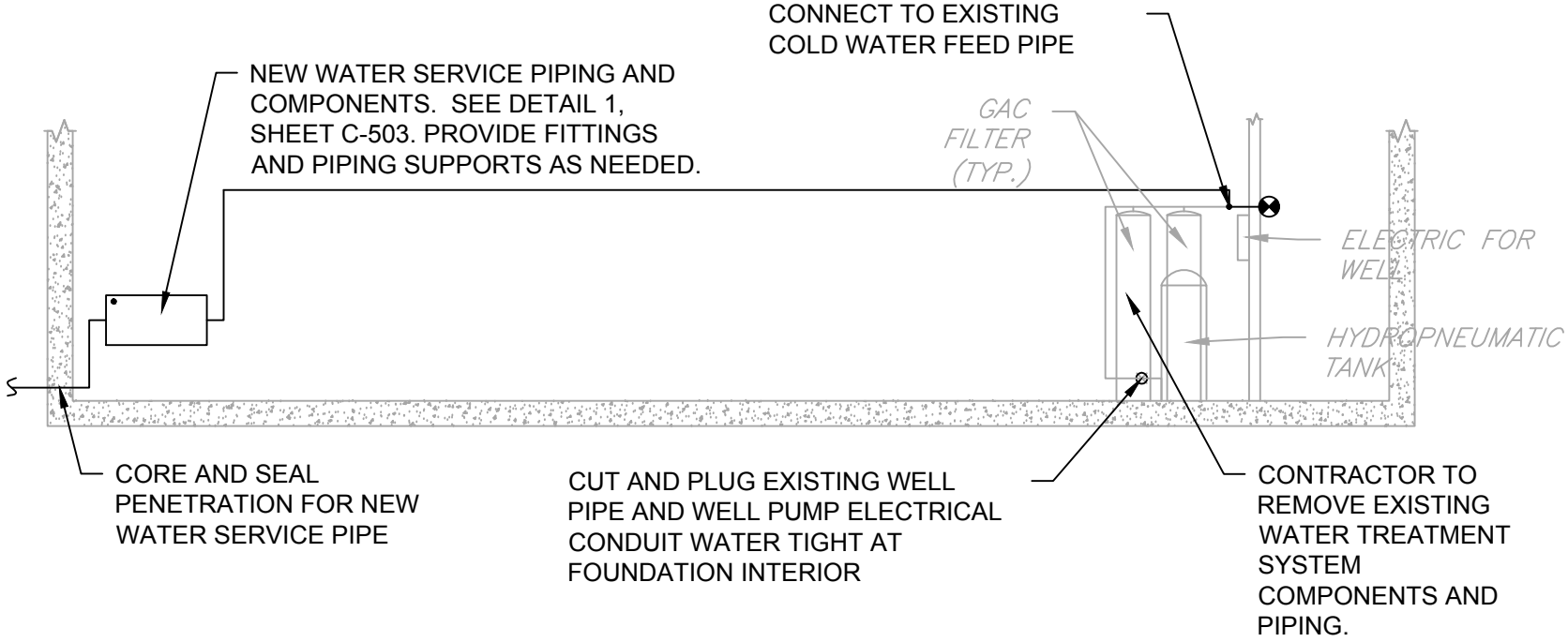
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
257 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	257 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

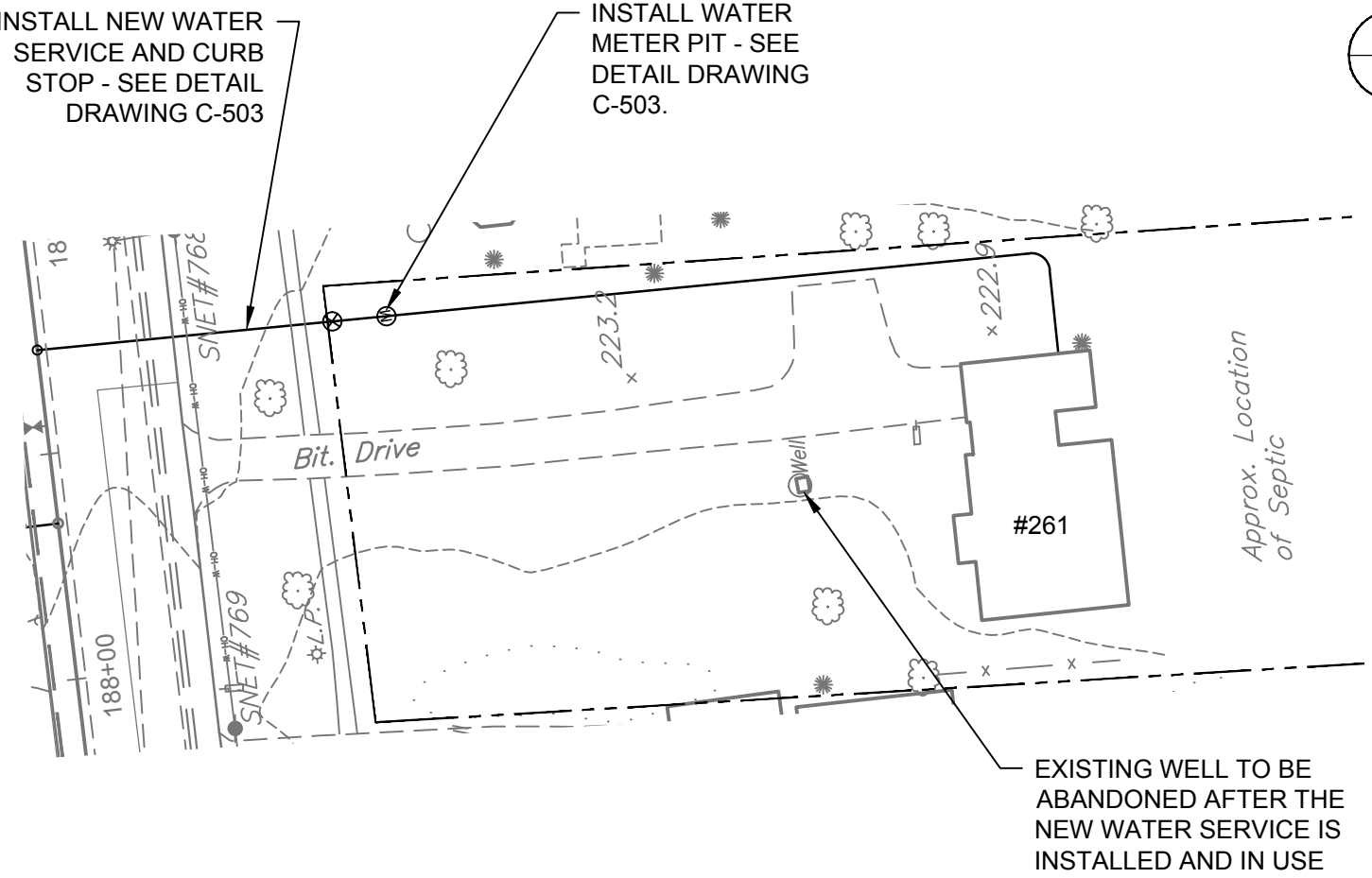
TOWN OF DURHAM
257 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	257 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

261 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
261 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-261MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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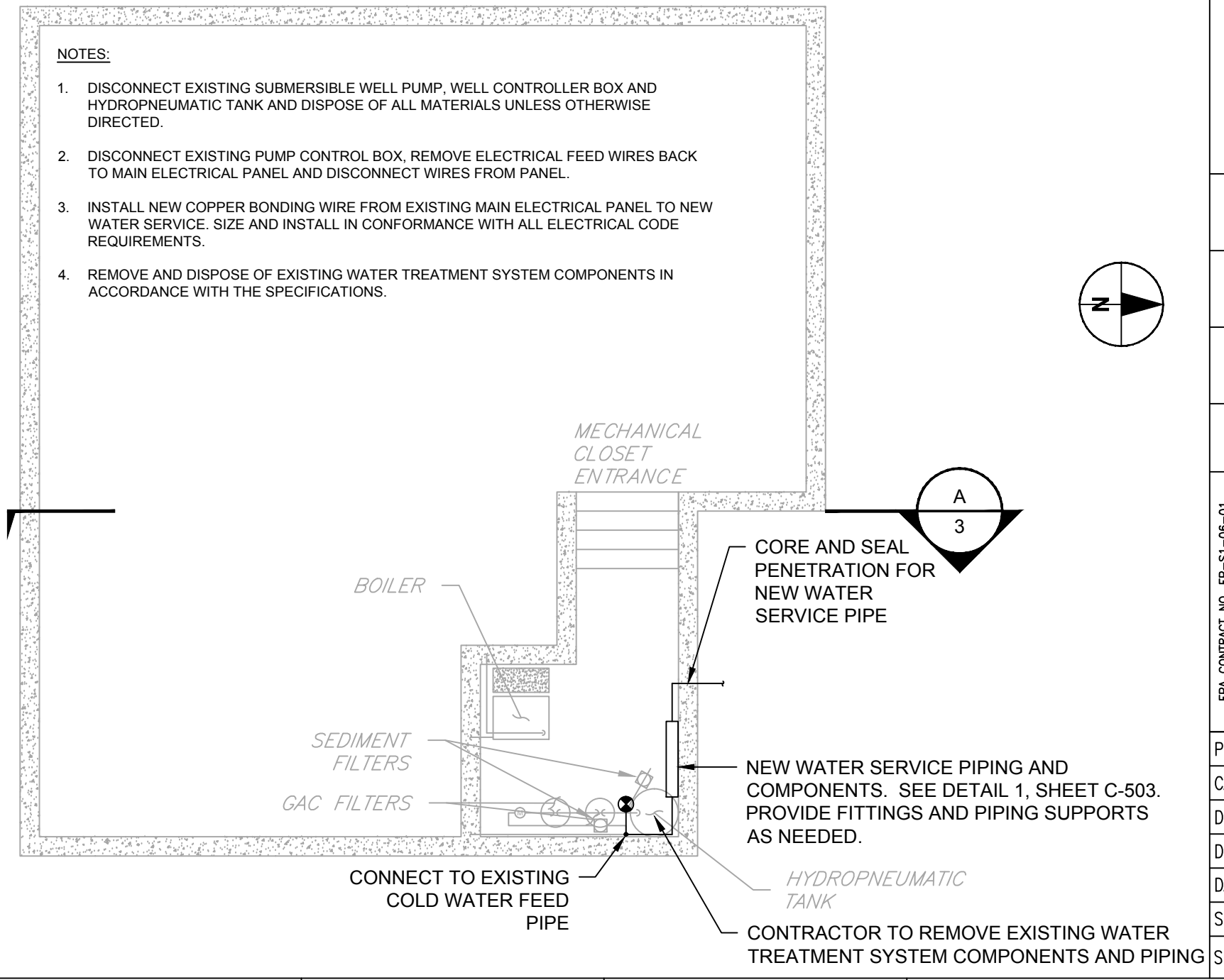


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

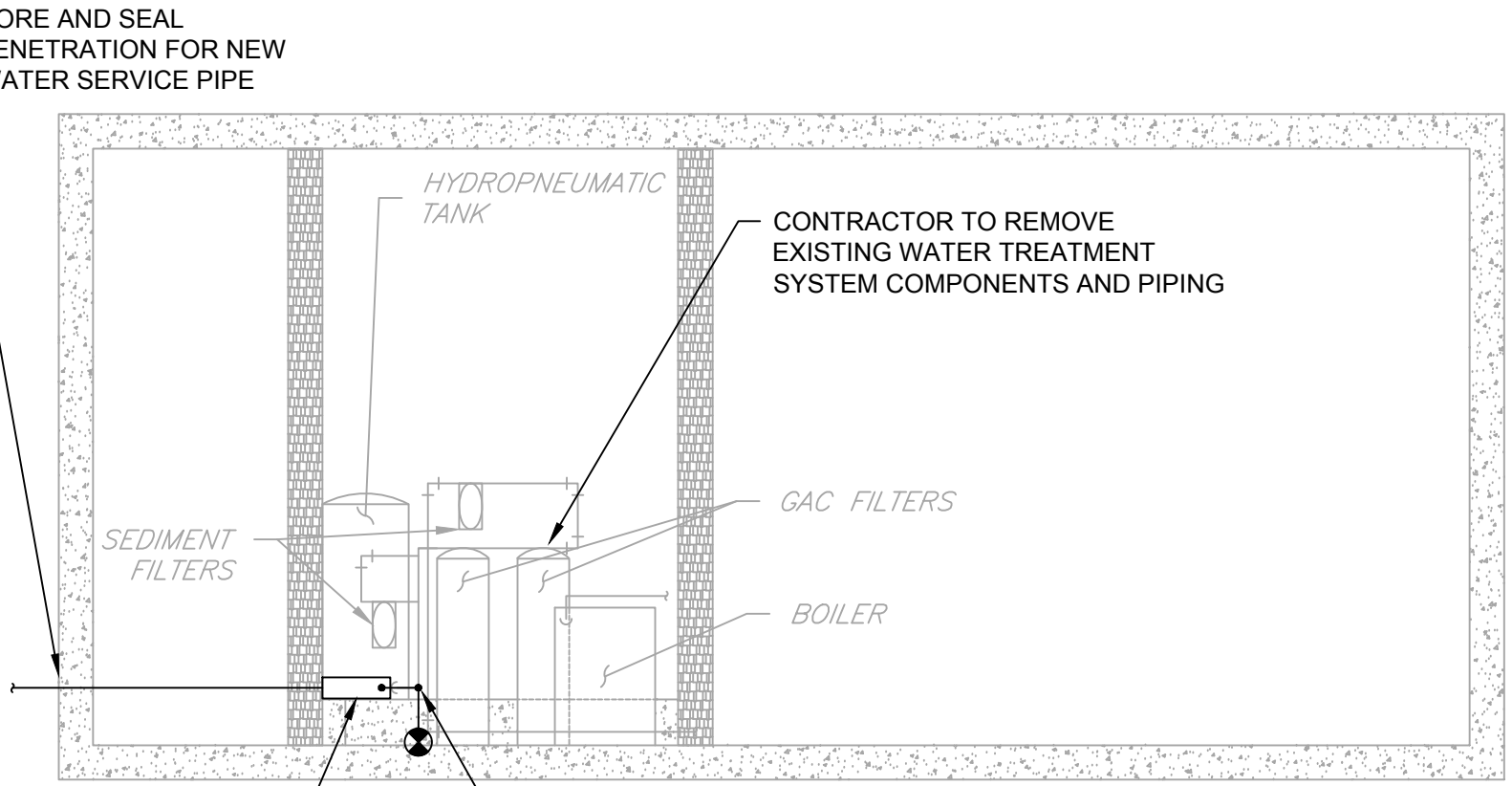
TOWN OF DURHAM
261 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	261 Main St..dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW



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2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

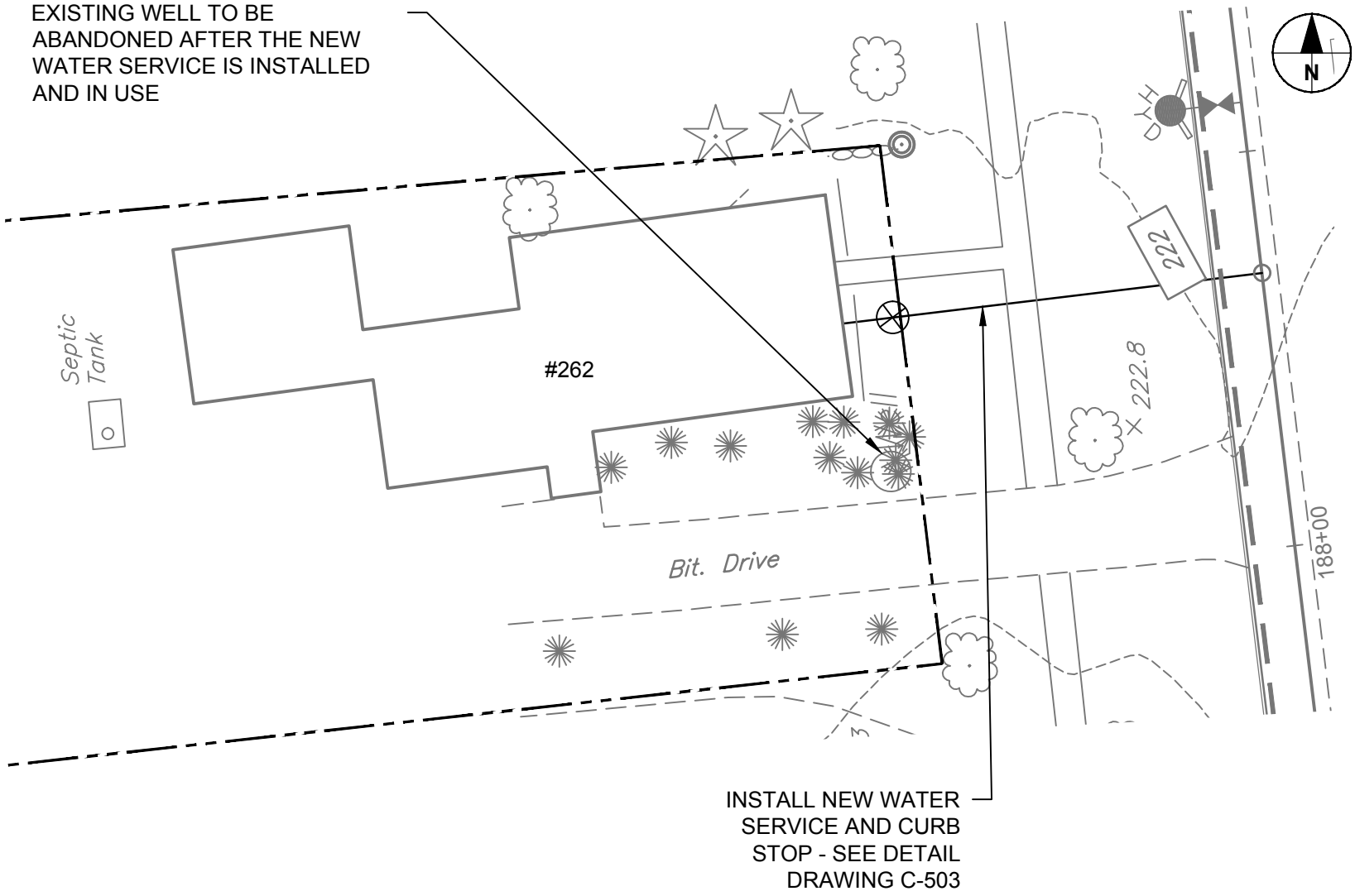
TOWN OF DURHAM
261 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	261 Main St..dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

262 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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				REVISIONS

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500 ENTERPRISE DRIVE
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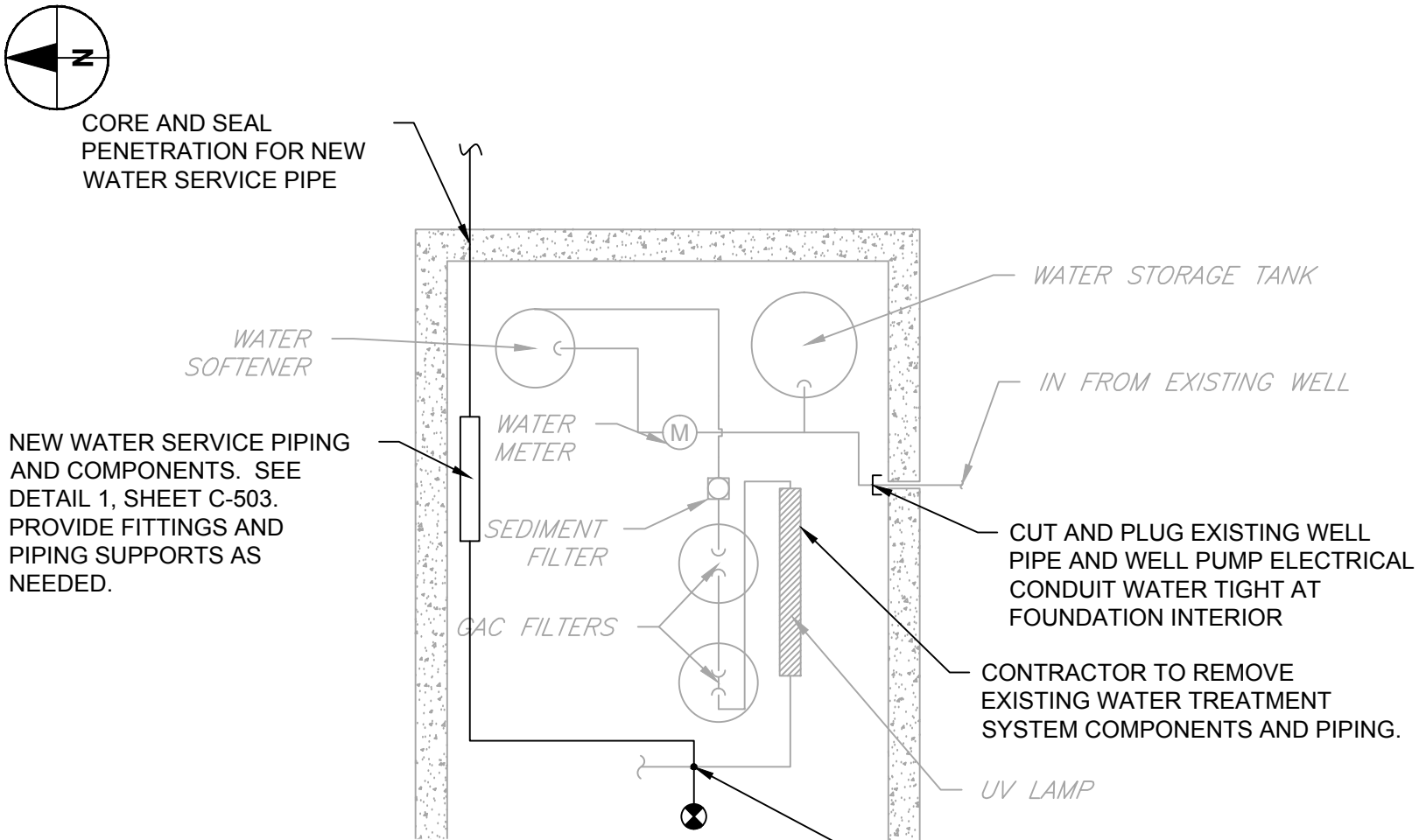
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
262 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-262MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

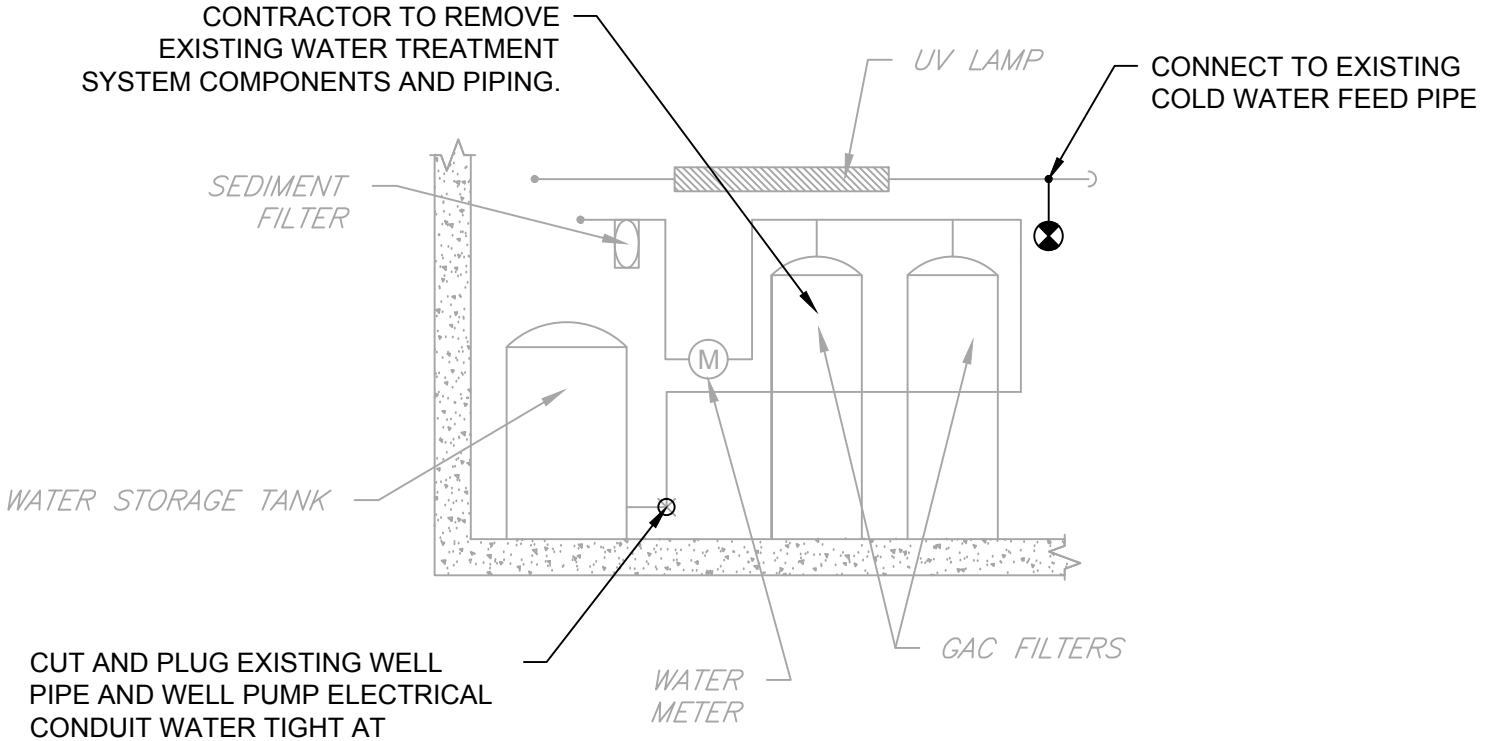
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
262 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A/3 SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

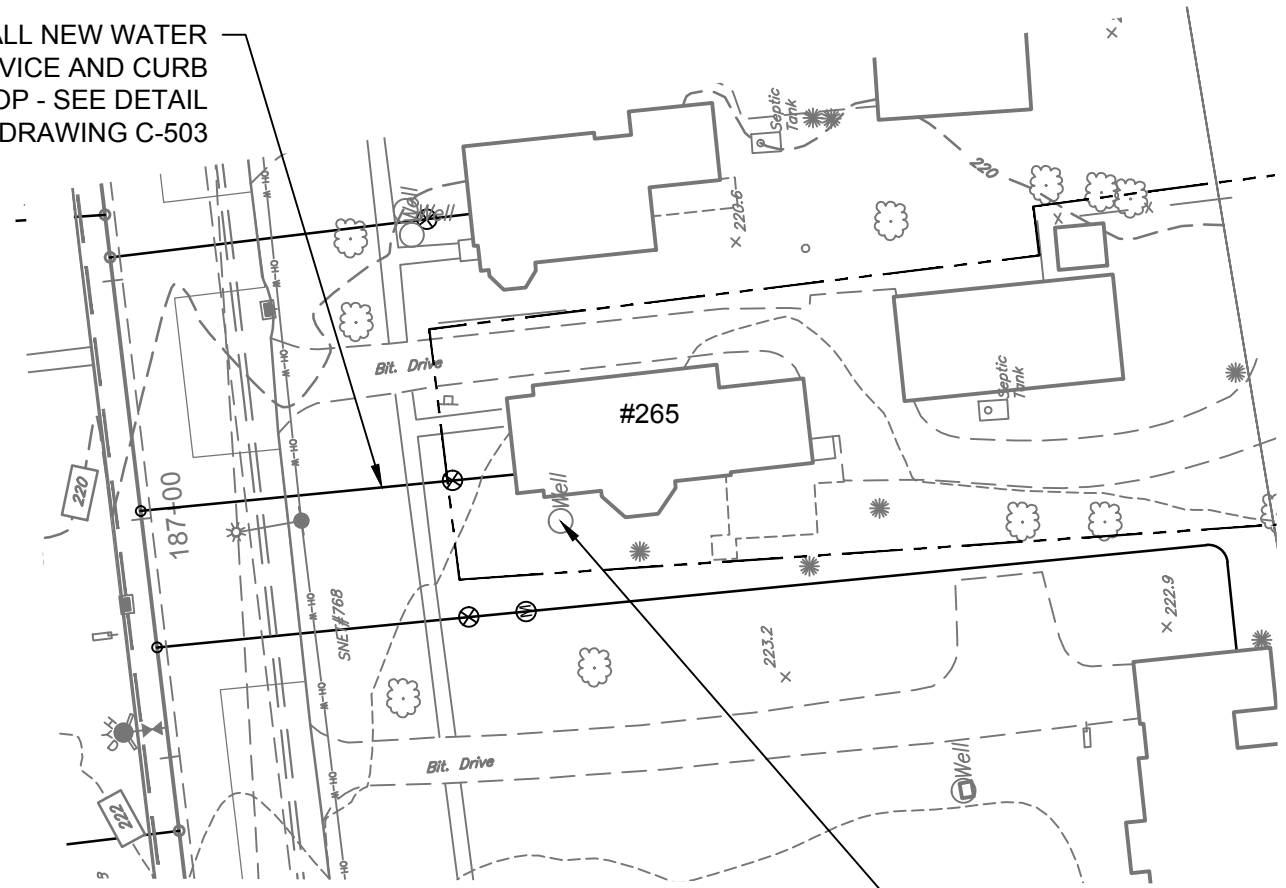
TOWN OF DURHAM
262 MAIN STREET
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

265 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



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				REVISIONS

AECOM, INC.
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

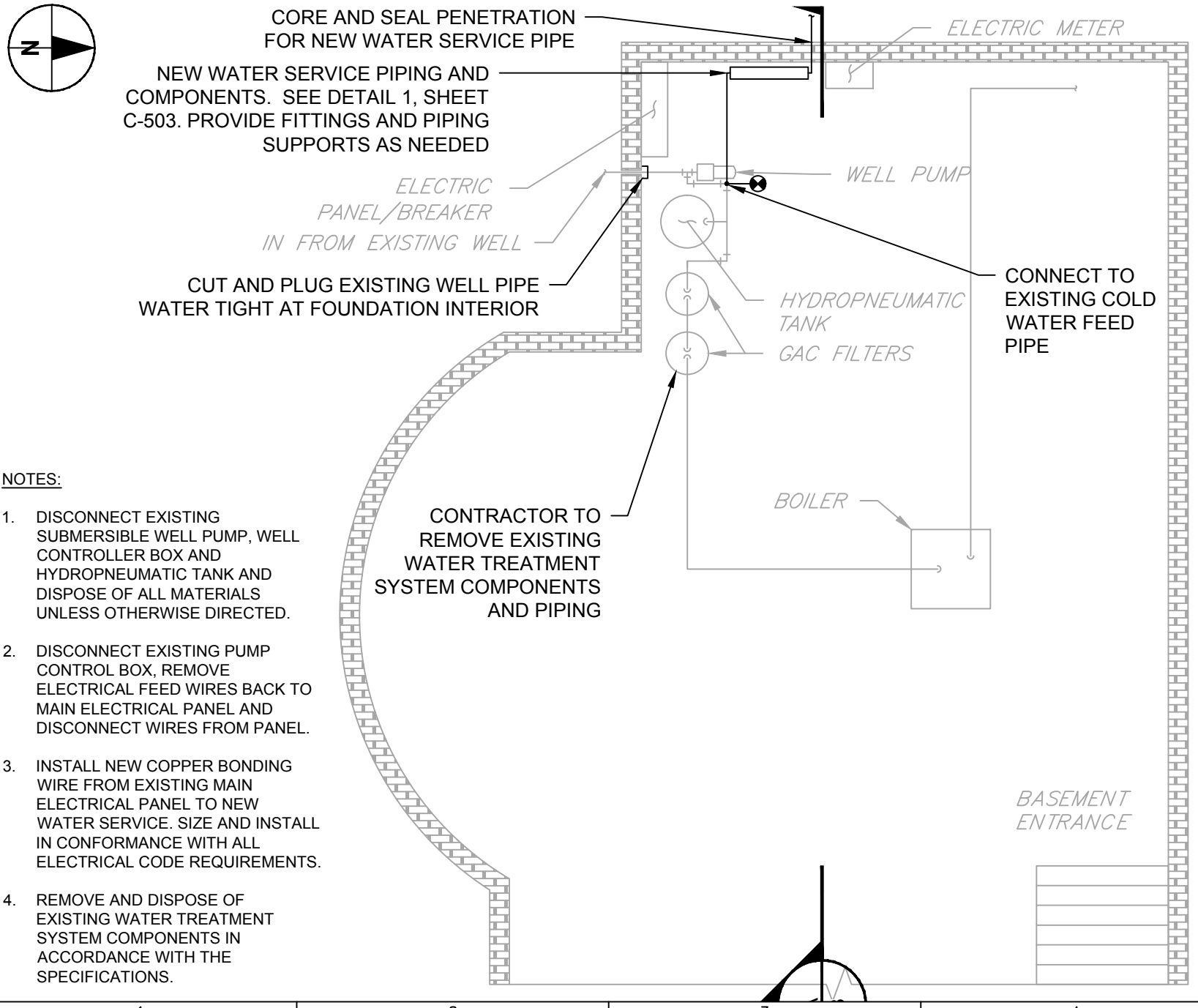
TOWN OF DURHAM
265 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-265MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
265 MAIN ST.

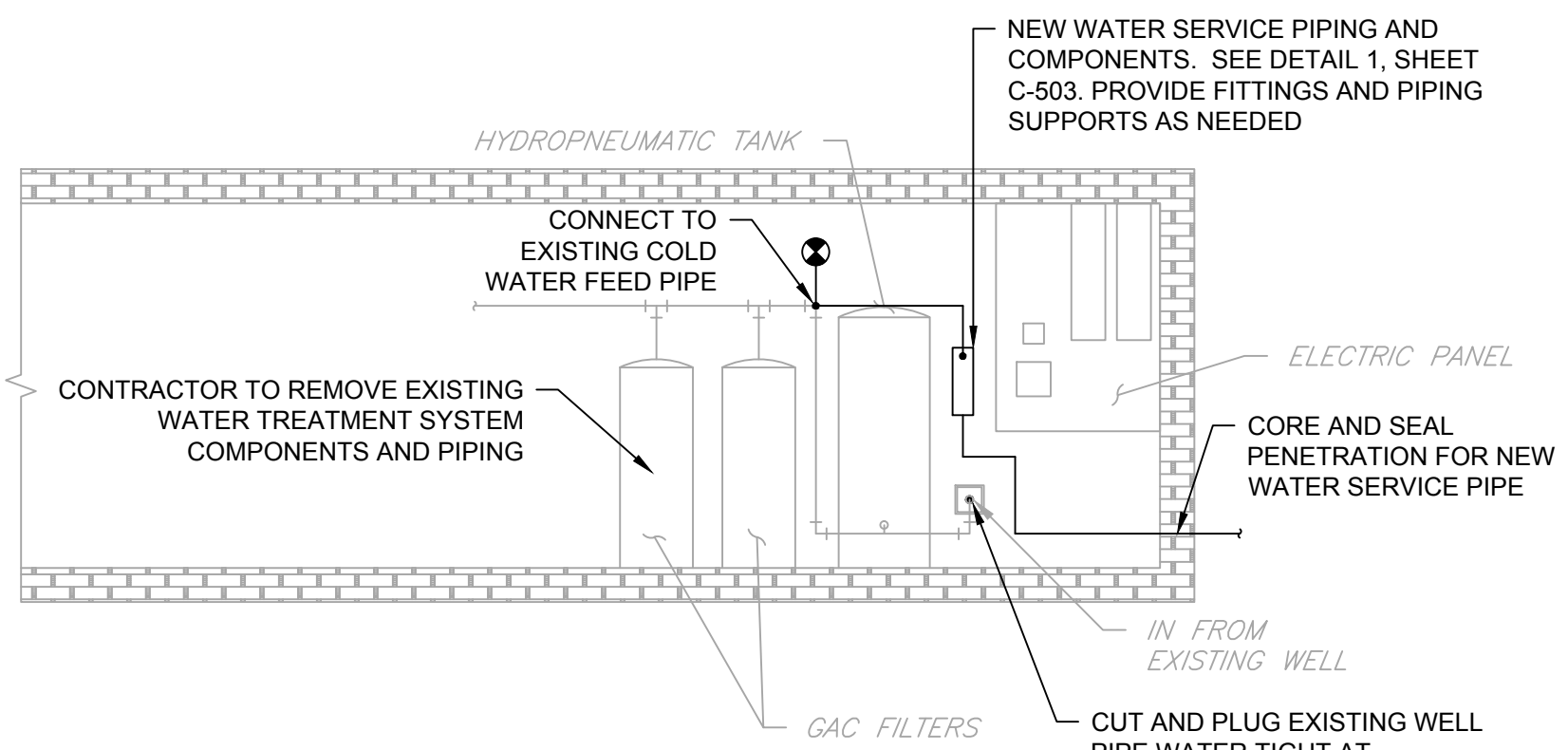
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	265 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

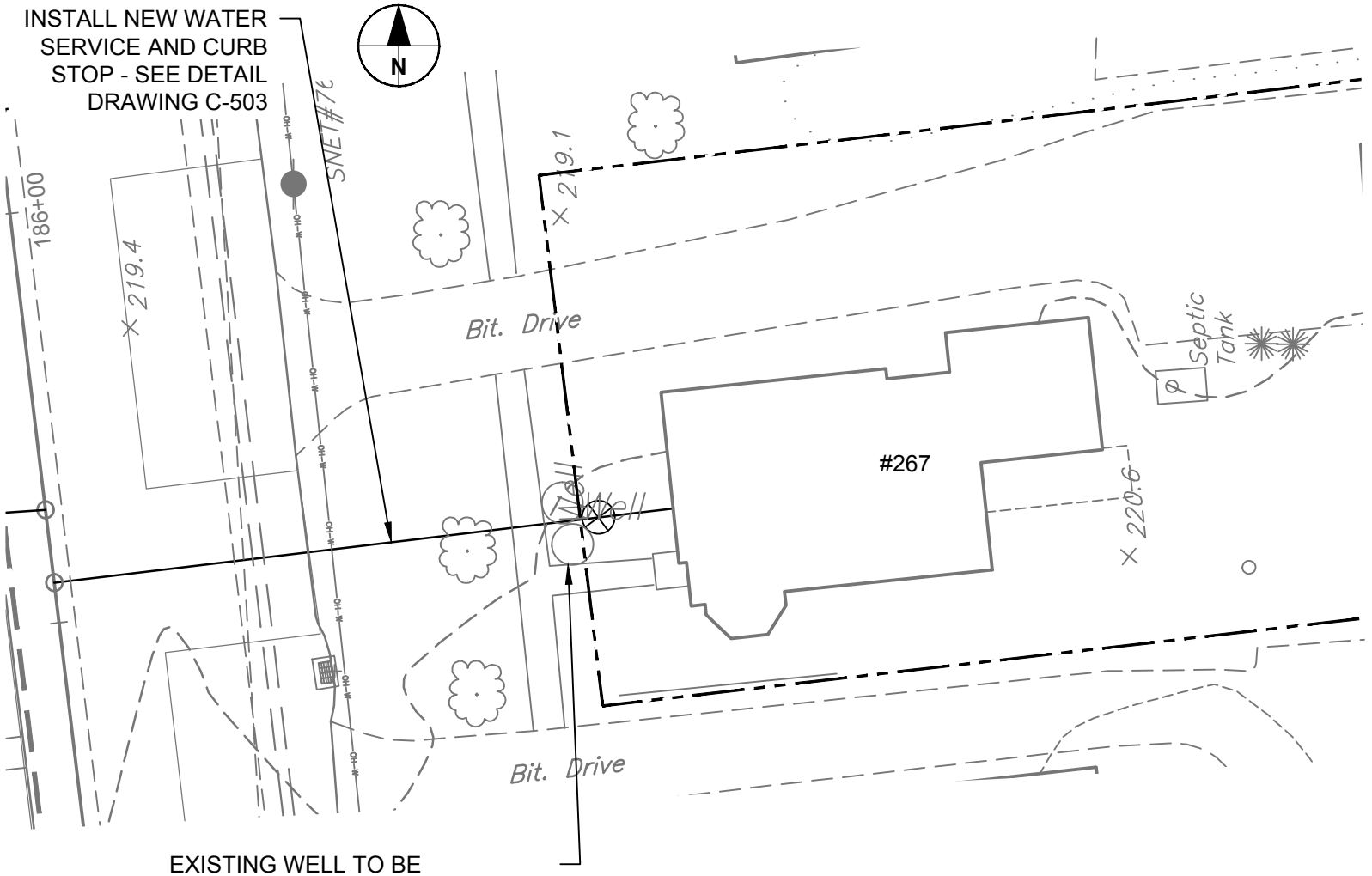
TOWN OF DURHAM
265 MAIN ST.
INTERIOR SERVICE CONNECTIONS
SOUTHWEST WALL

PROJECT NO:	60275749
CAD FILE:	265 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

267 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
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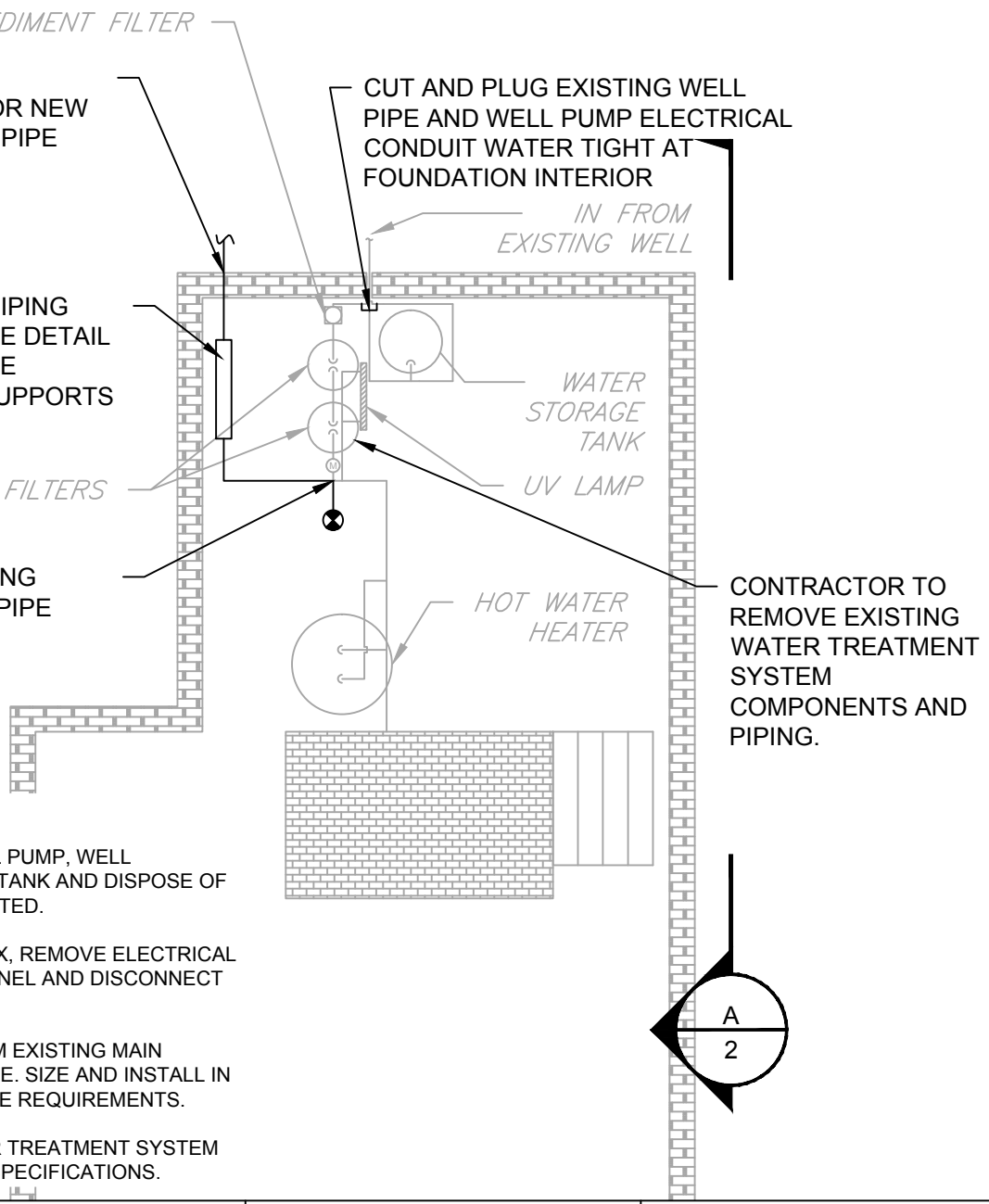
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
267 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-267MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



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AECOM, INC.
500 ENTERPRISE DRIVE
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PHONE (860) 263-5800

AECOM

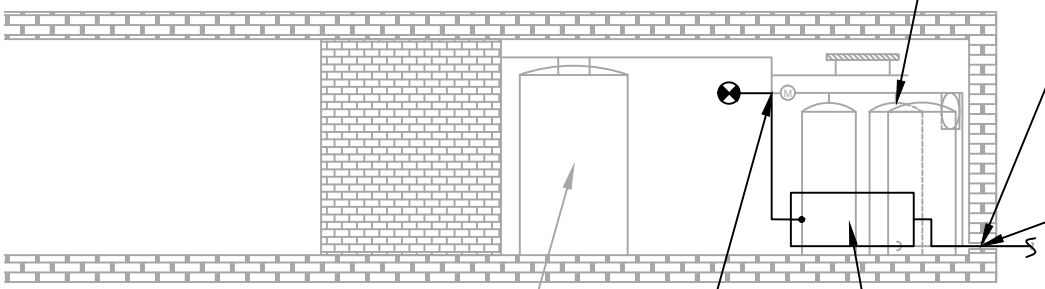
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
267 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	1 OF 2

PLOTTED: 23-Jan-18



CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING.

CUT AND PLUG EXISTING WELL PIPE AND WELL PUMP ELECTRICAL CONDUIT WATER TIGHT AT FOUNDATION INTERIOR

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED.

CONNECT TO EXISTING COLD WATER FEED PIPE

A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
267 MAIN ST.

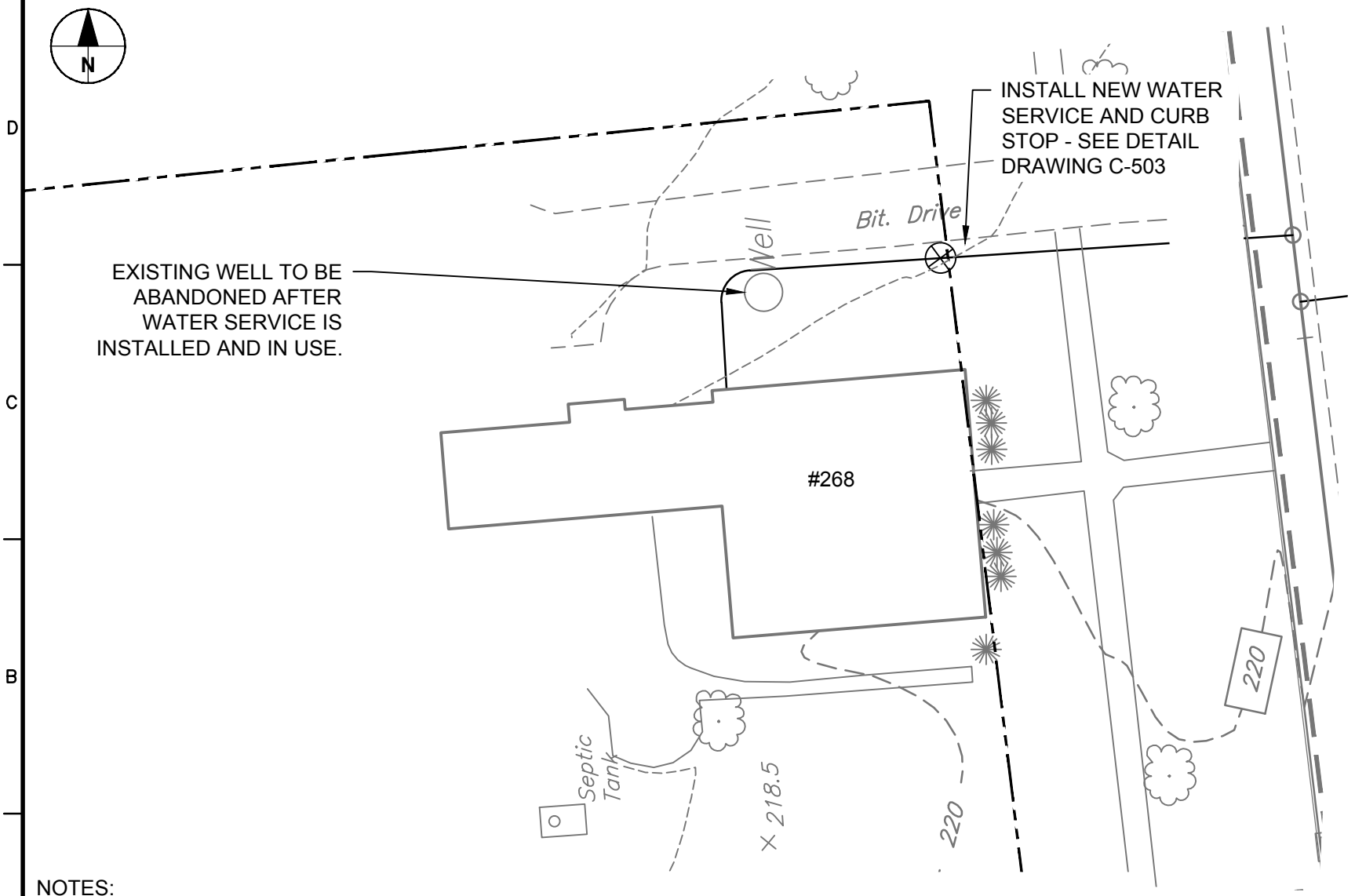
INTERIOR SERVICE CONNECTIONS
SOUTHWEST WALL

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 2

268 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



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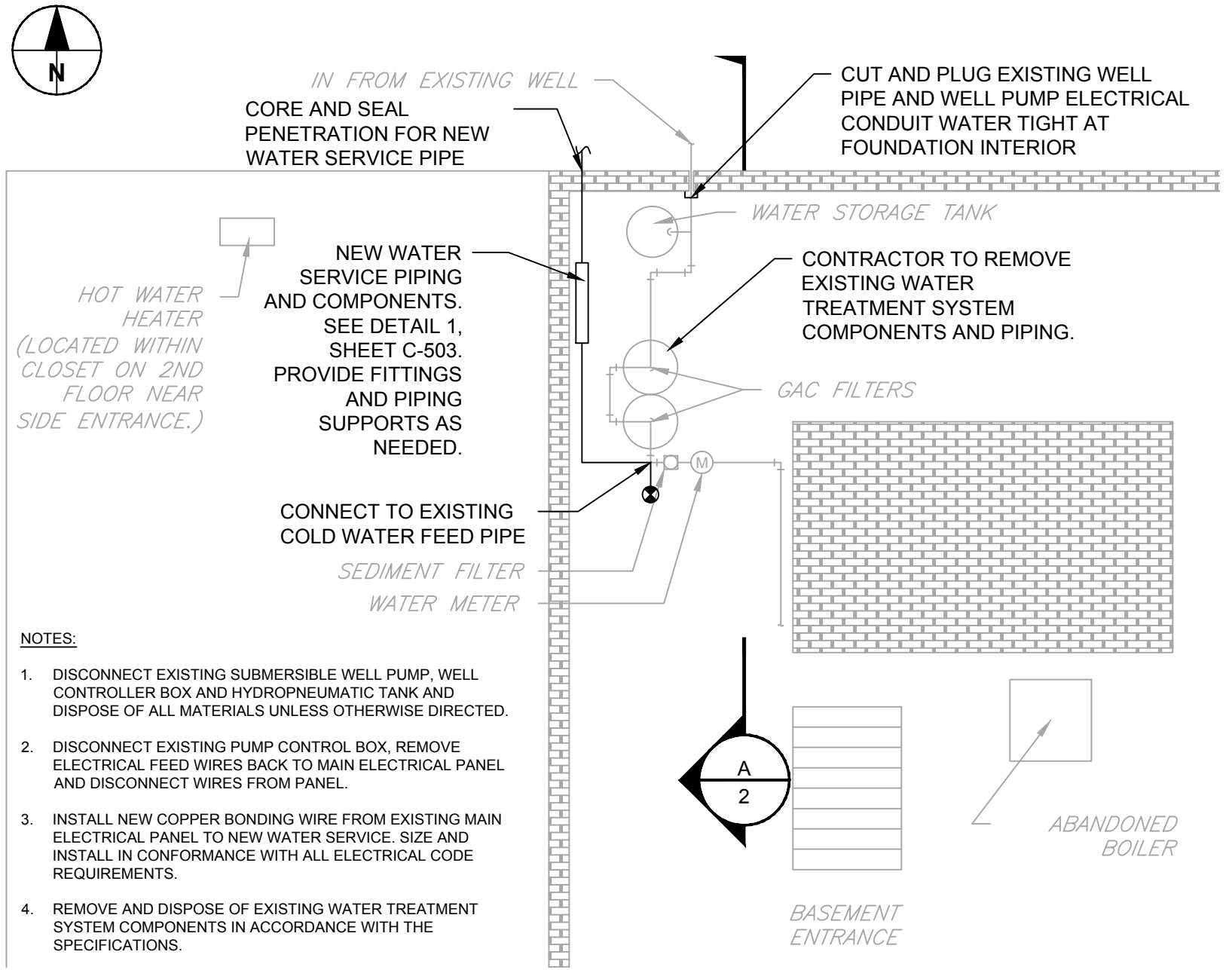
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
268 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-268MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



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AECOM

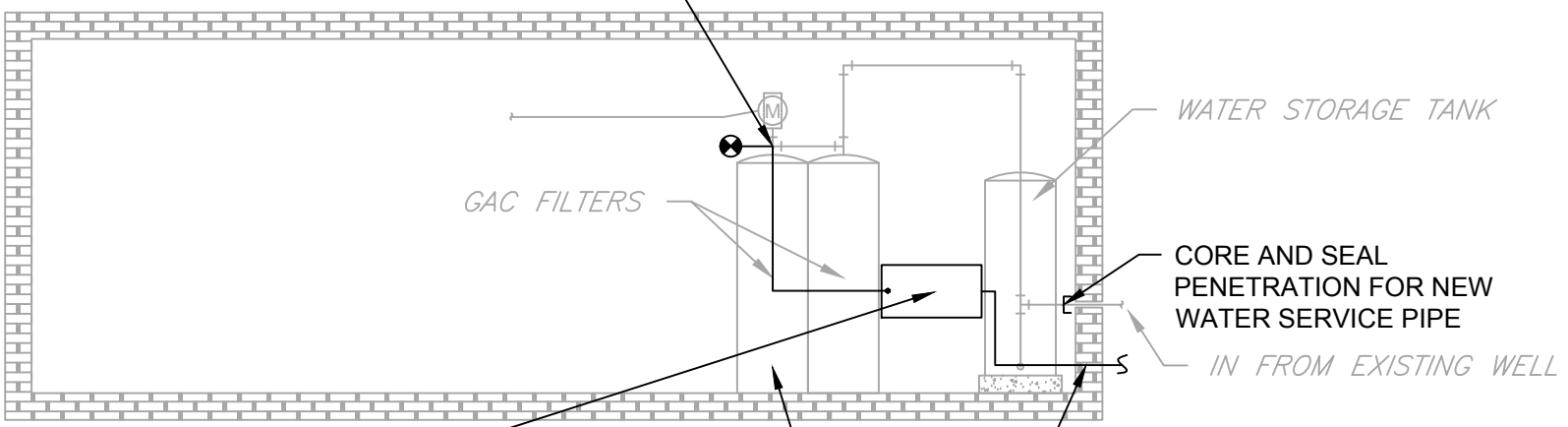
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
268 MAIN ST..

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	1 OF 2

PLOTTED: 23-Jan-18



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
268 MAIN ST.

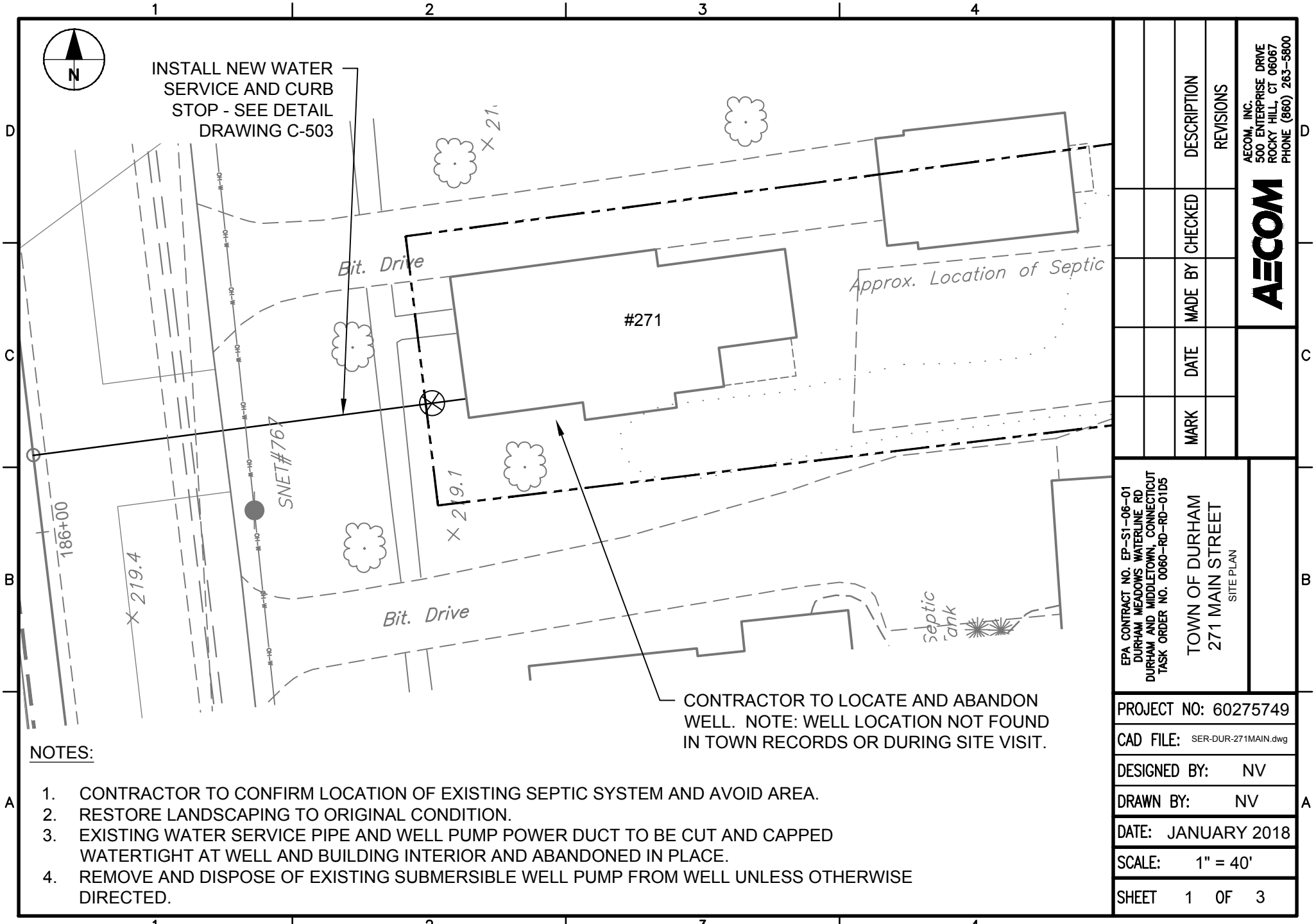
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 2

271 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



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500 ENTERPRISE DRIVE
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
271 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-271MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23–Jan–18

0 4 8 12

SCALE: 3/16"=1'–0"

NOTES:

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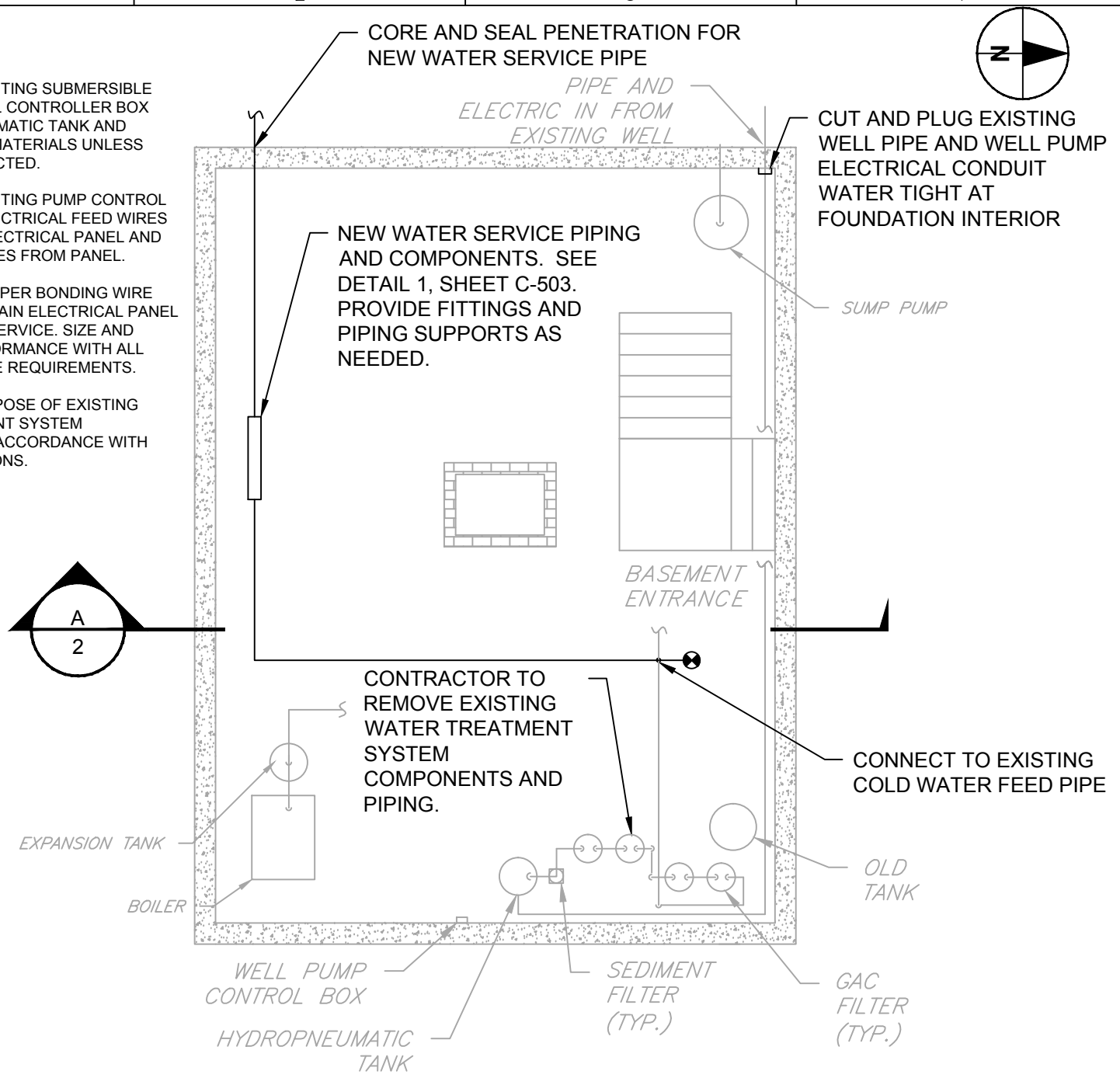


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263–5800

AECOM

EPA CONTRACT NO. EP–S1–06–01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060–RD–RD–01D5

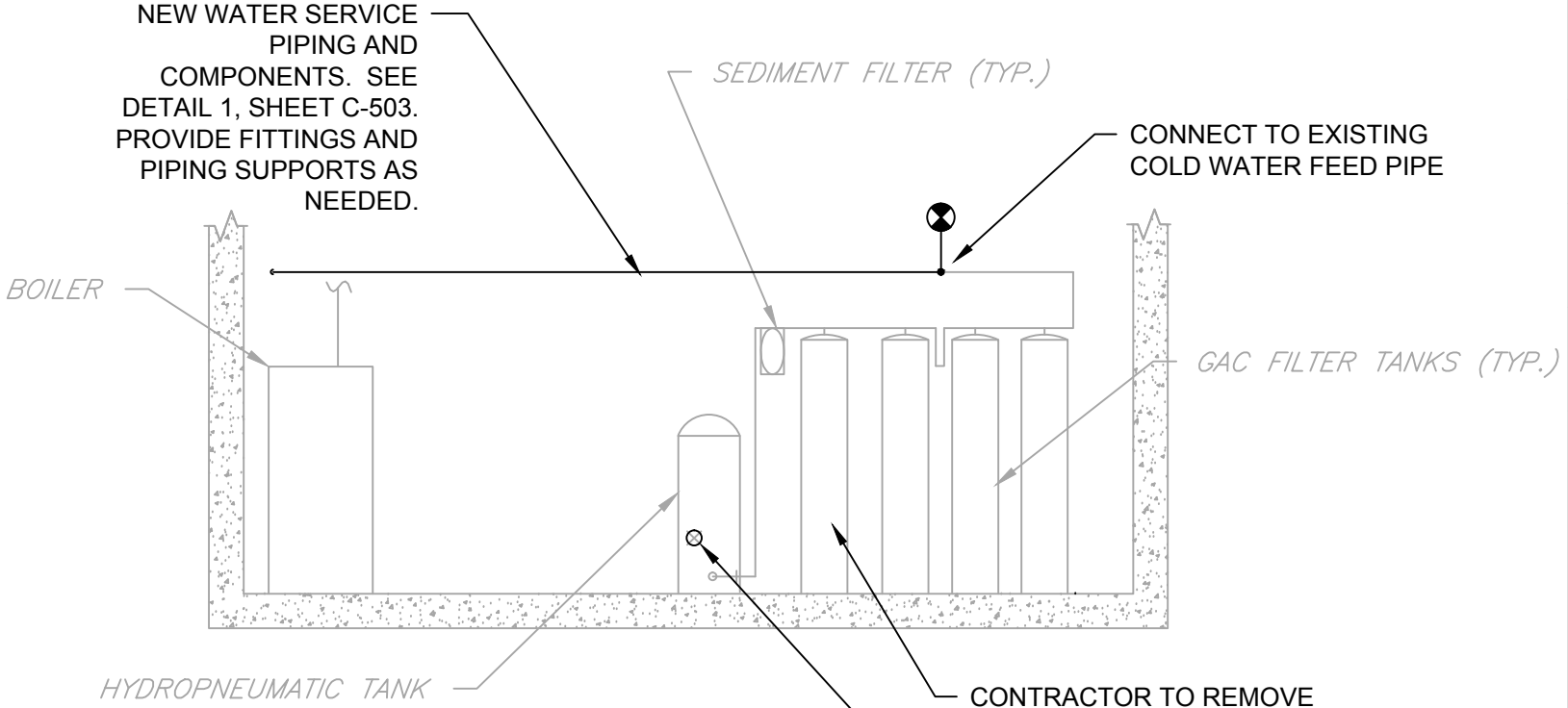
TOWN OF DURHAM
271 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	271 Main Street.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A/2 **SECTION A-A**

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

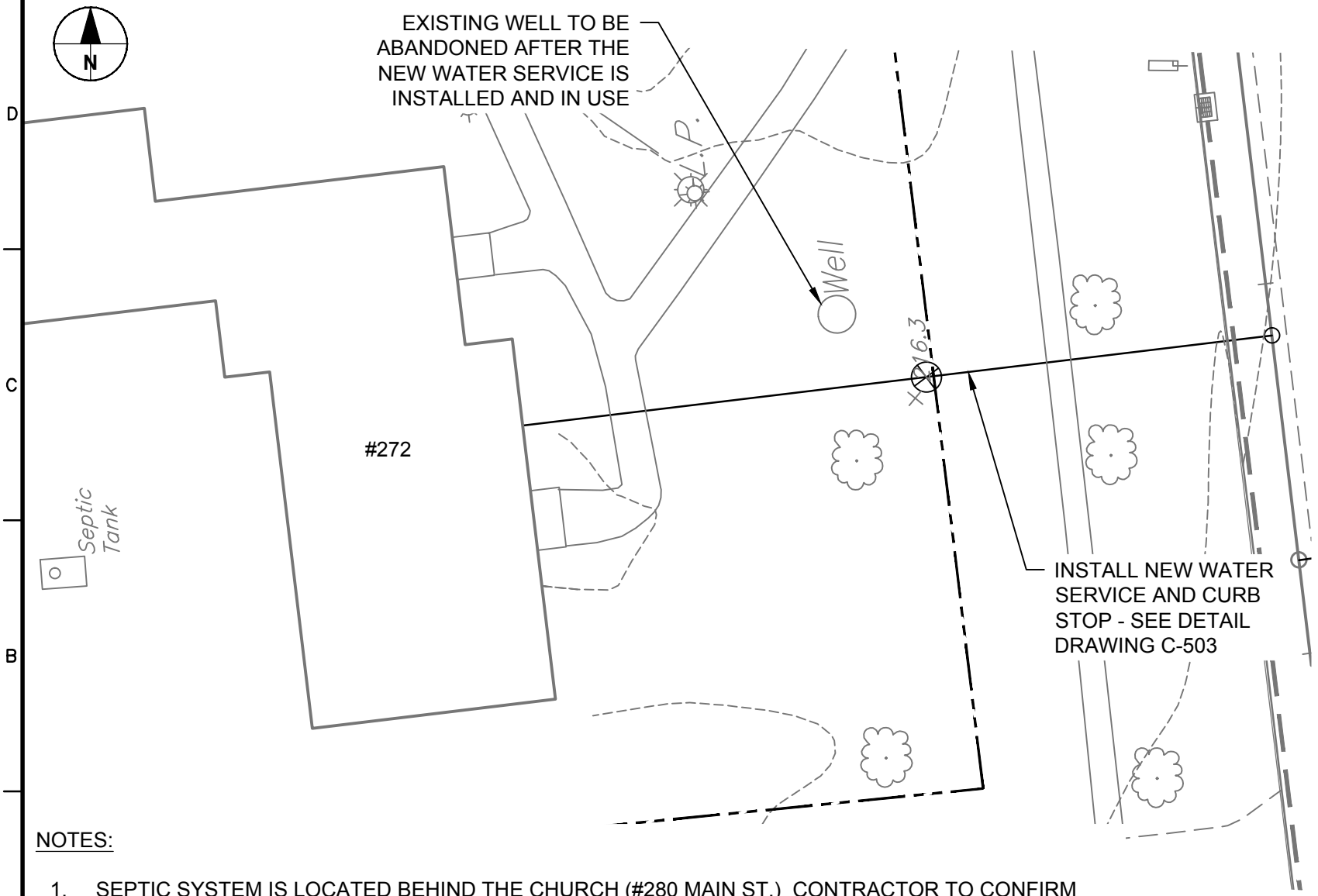
TOWN OF DURHAM
271 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	271 Main Street.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

272 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. SEPTIC SYSTEM IS LOCATED BEHIND THE CHURCH (#280 MAIN ST.) CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
272 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-272MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

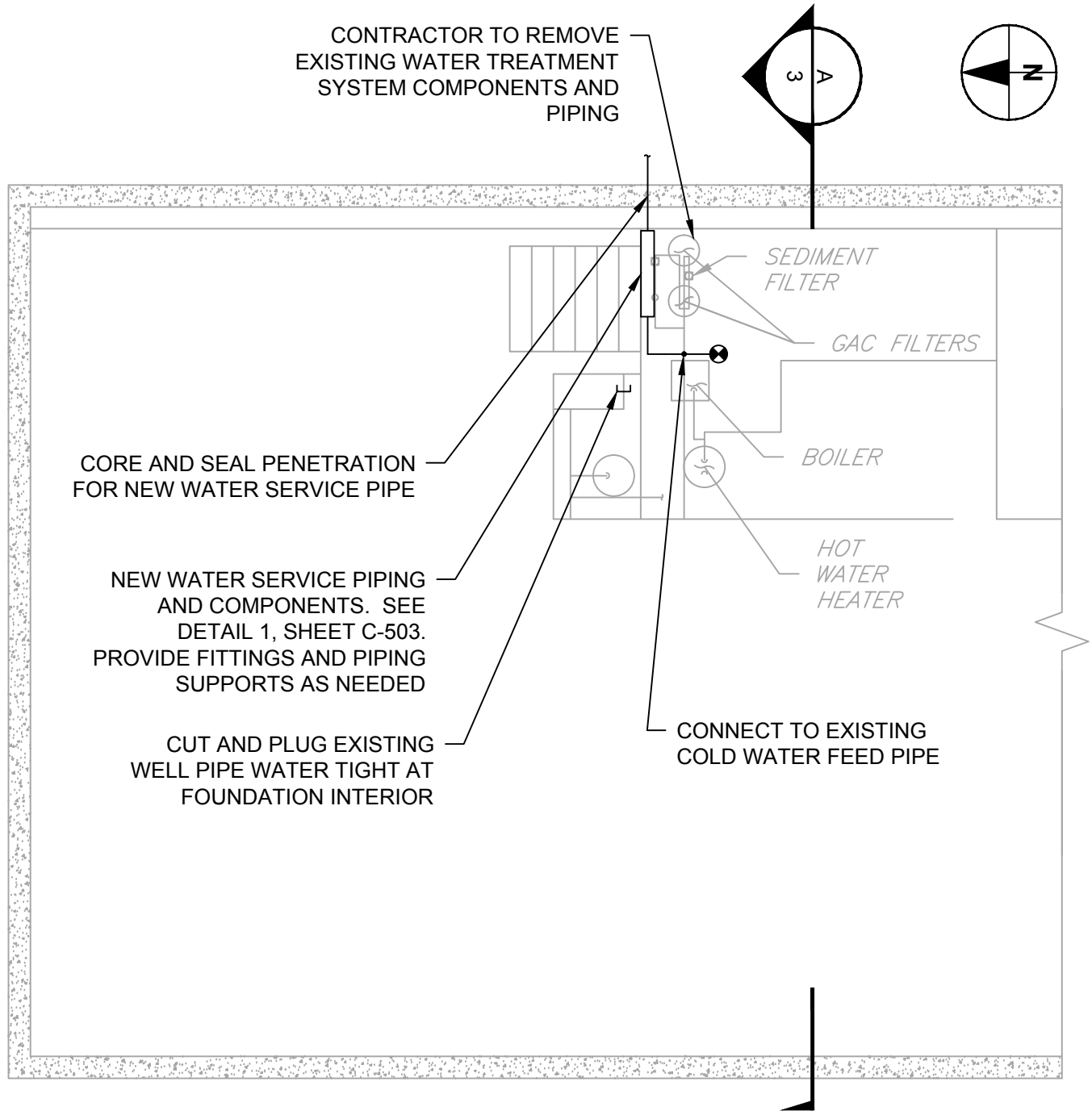
PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
272 MAIN ST.

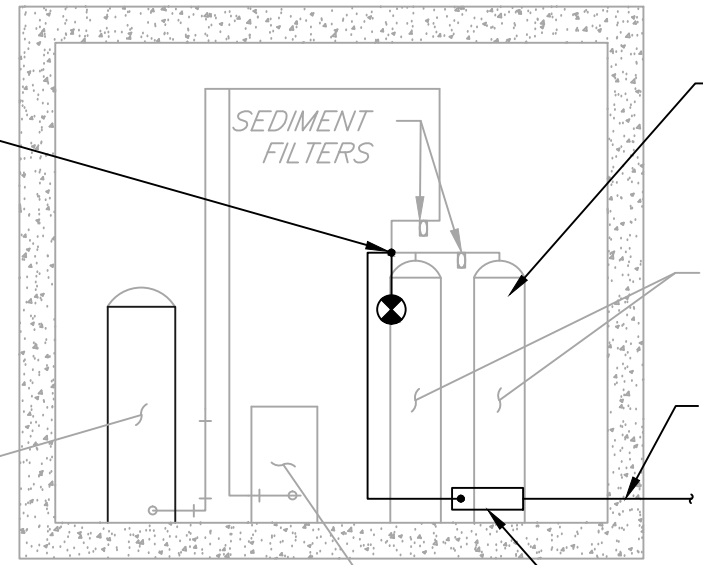
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	272 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



CONNECT TO EXISTING COLD WATER FEED PIPE

CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
272 MAIN ST.

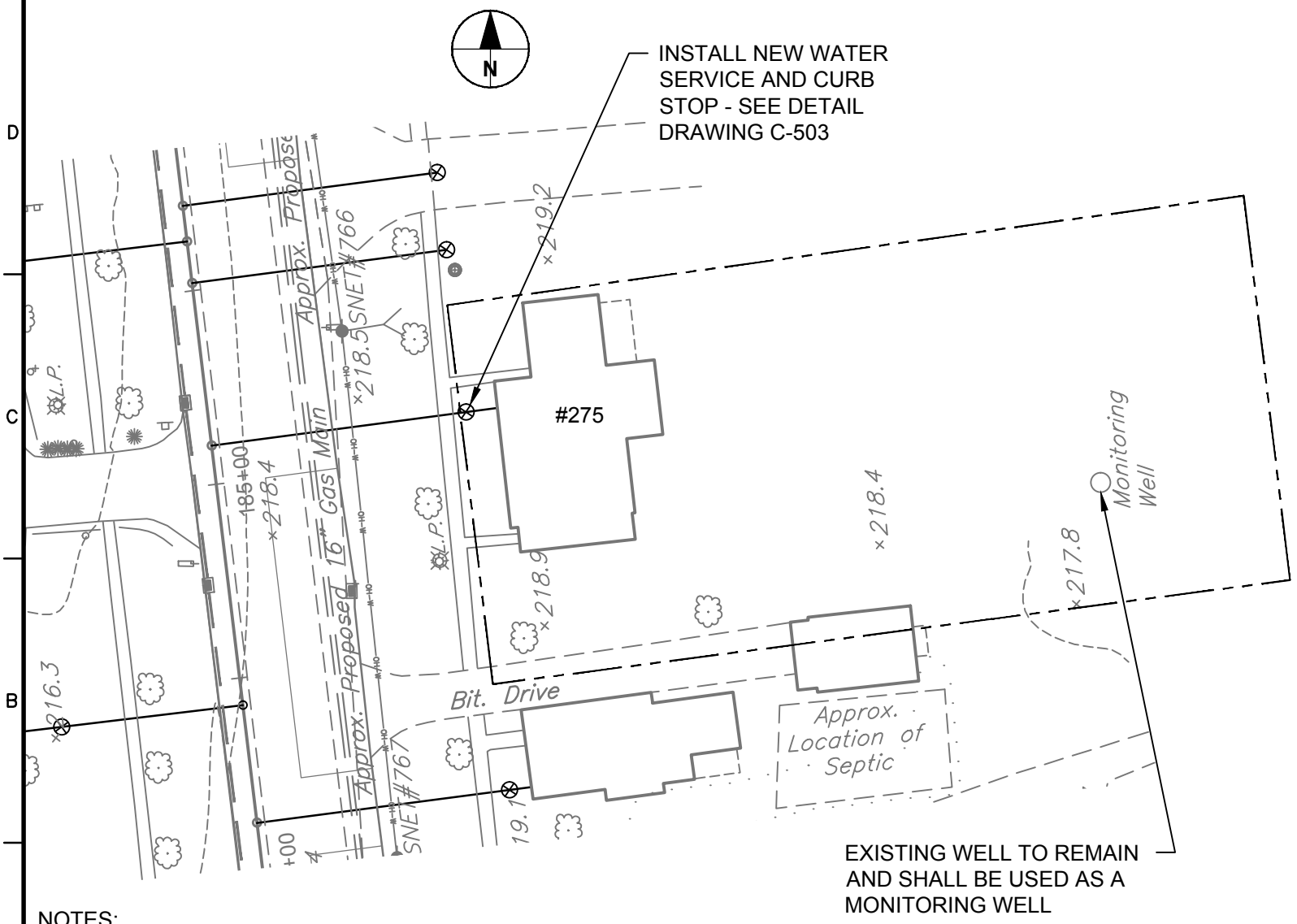
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	272 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

275 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO LOCATE THE EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REVISIONS			
MARK	DATE	MADE BY	DESCRIPTION
REV 1	DEC 2016	MCC	ADDENDUM NO. 2
		DGS	CHECKED

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

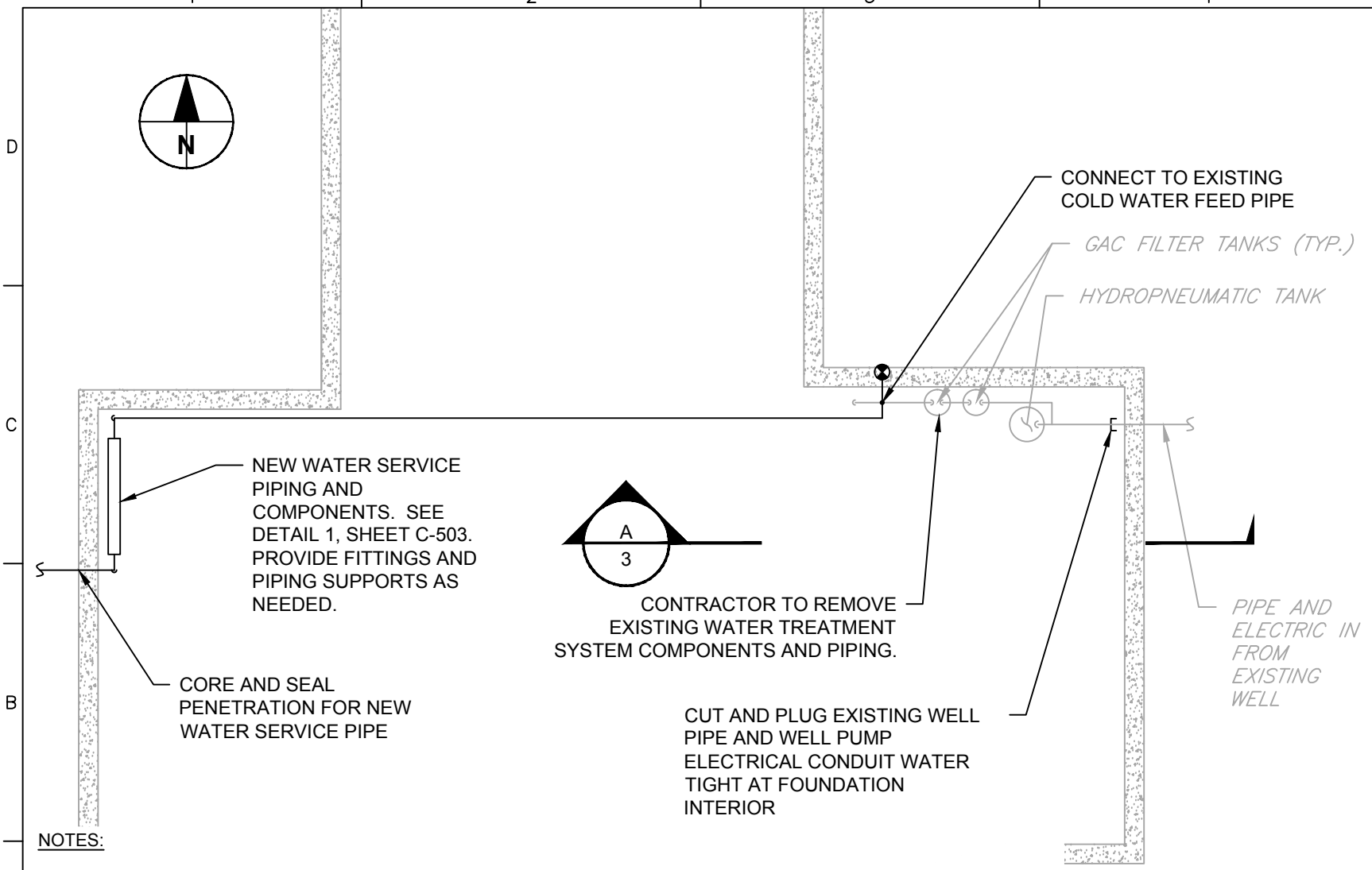
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
275 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-275MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

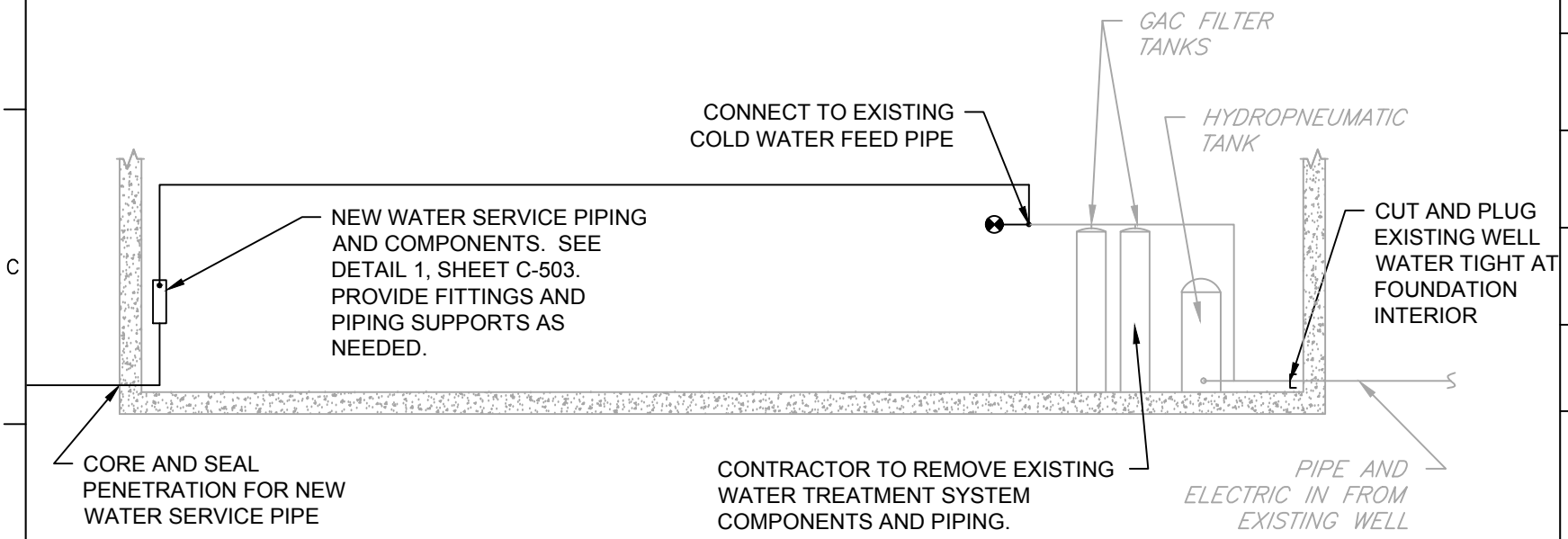
AECOM
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
275 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	275 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A/3 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

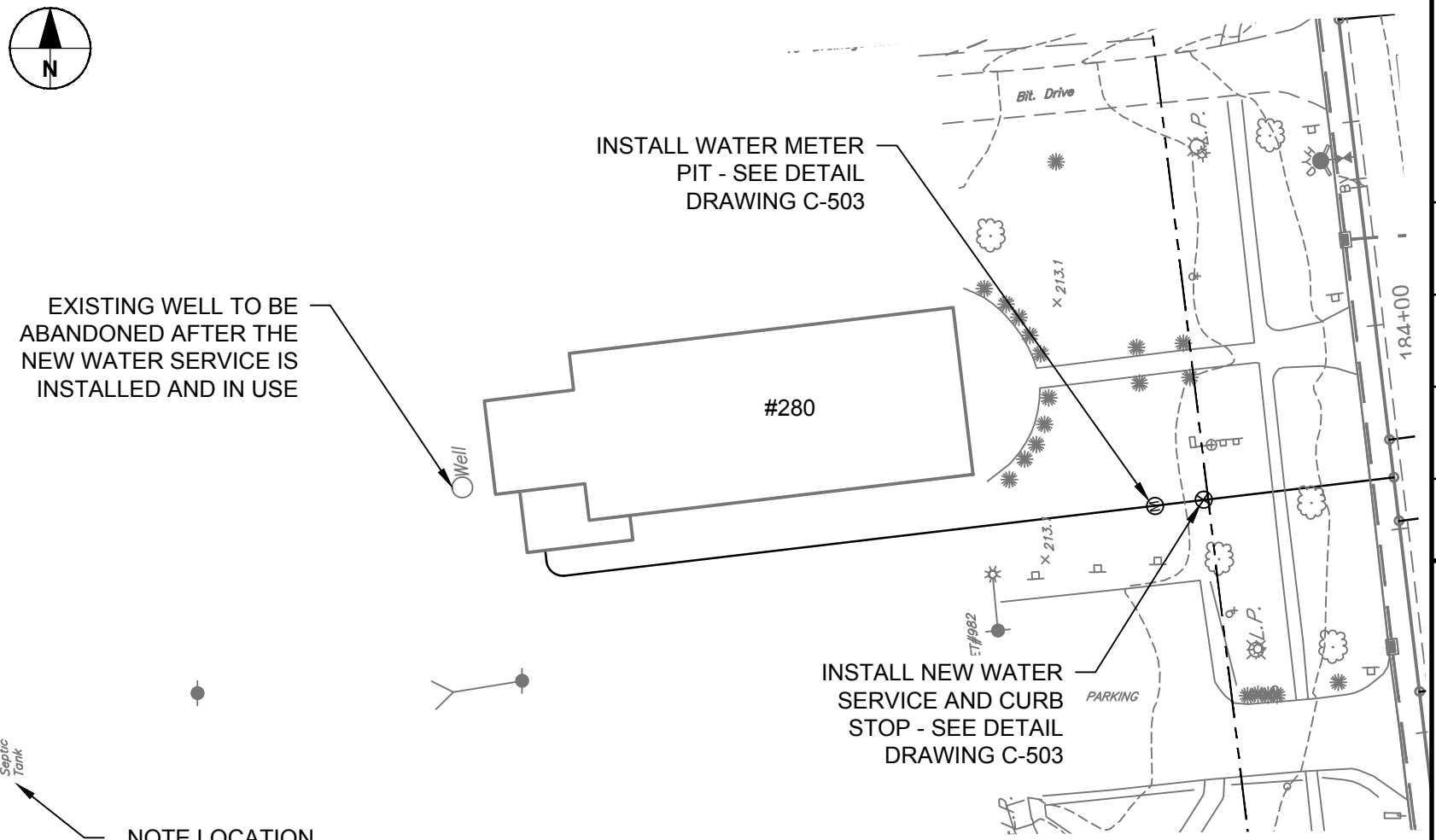
TOWN OF DURHAM
275 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	275 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

280 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. SEPTIC SYSTEM IS LOCATED BEHIND THE CHURCH (#280 MAIN ST.) CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

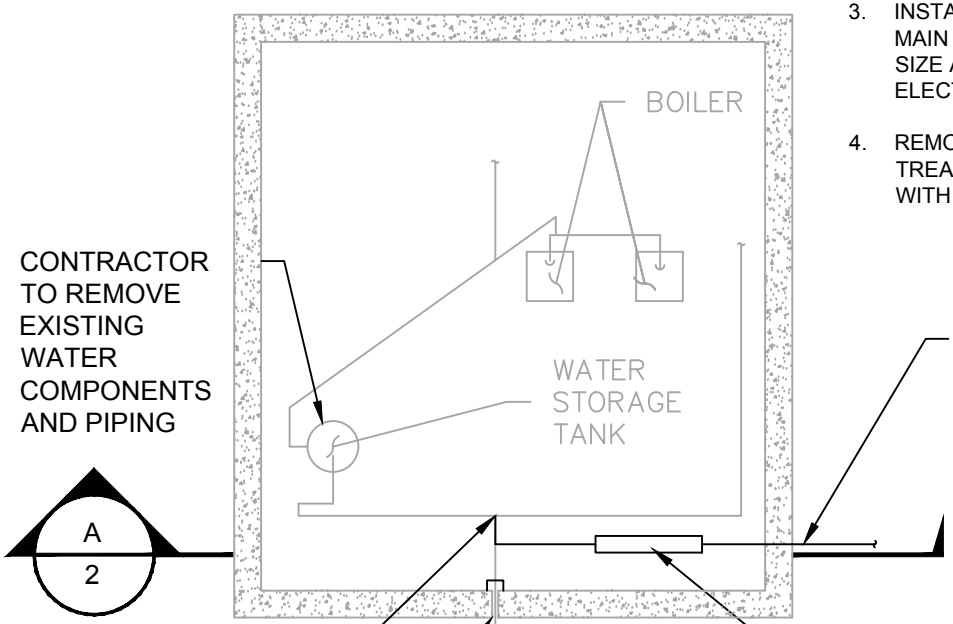
TOWN OF DURHAM
280 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-280MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF ANY EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
280 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

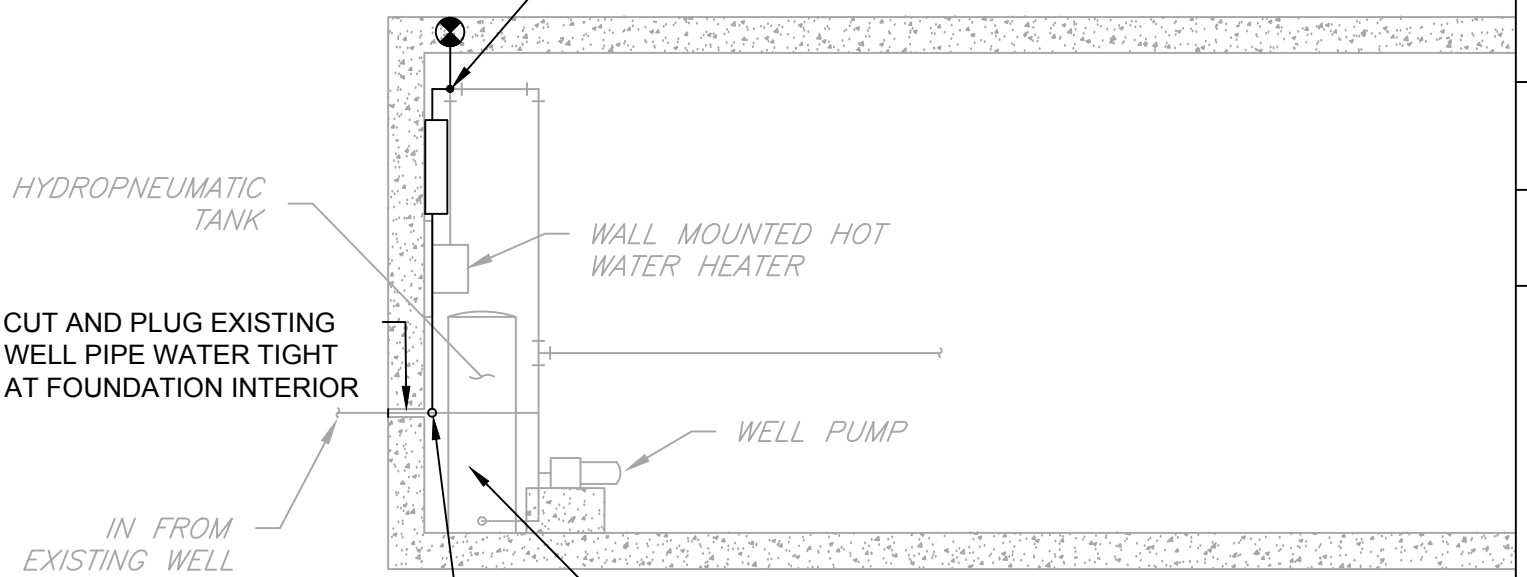
PROJECT NO:	60275749
CAD FILE:	280 Main Street.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

EAST VIEW



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
280 MAIN ST.

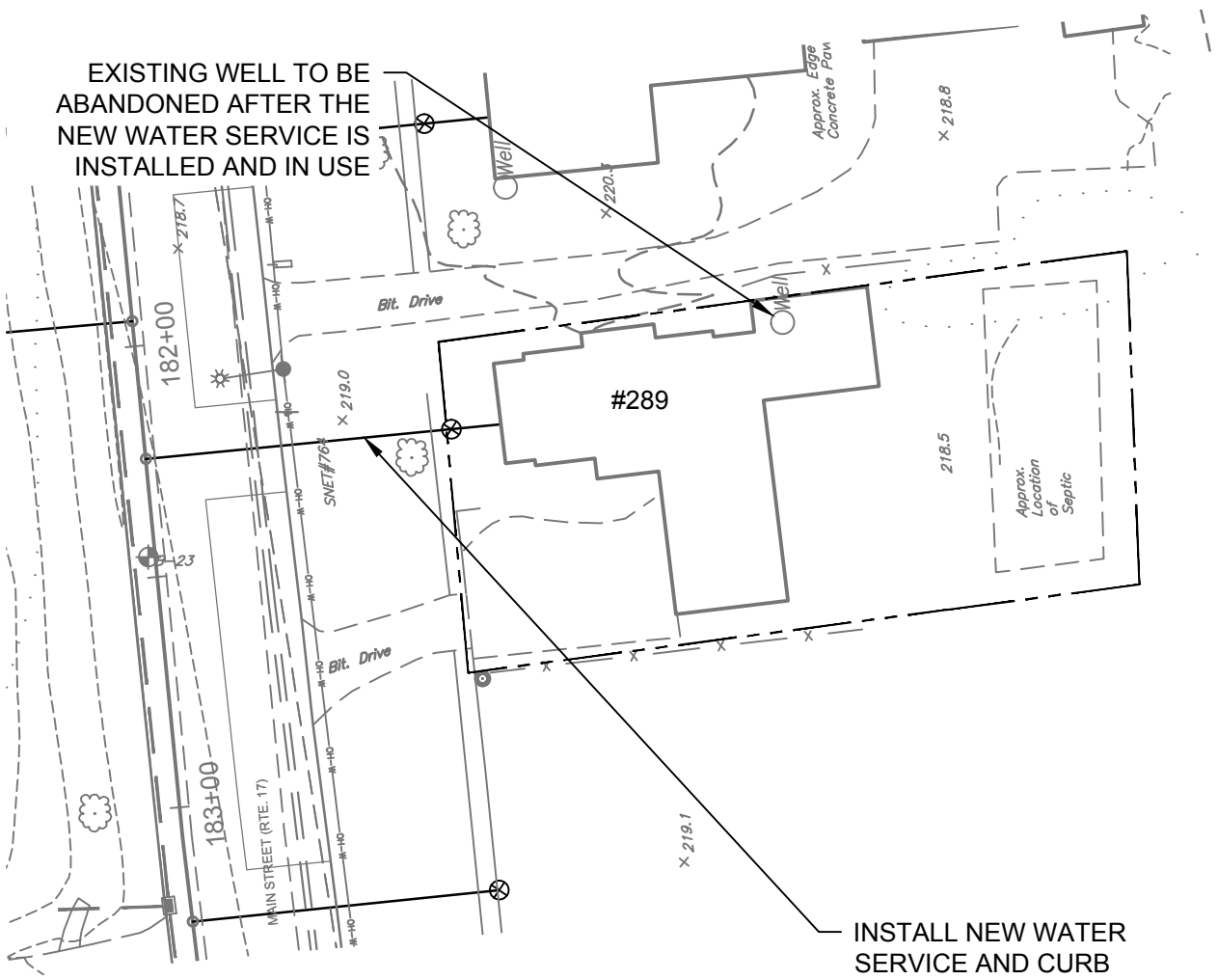
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	280 Main Street.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

289 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

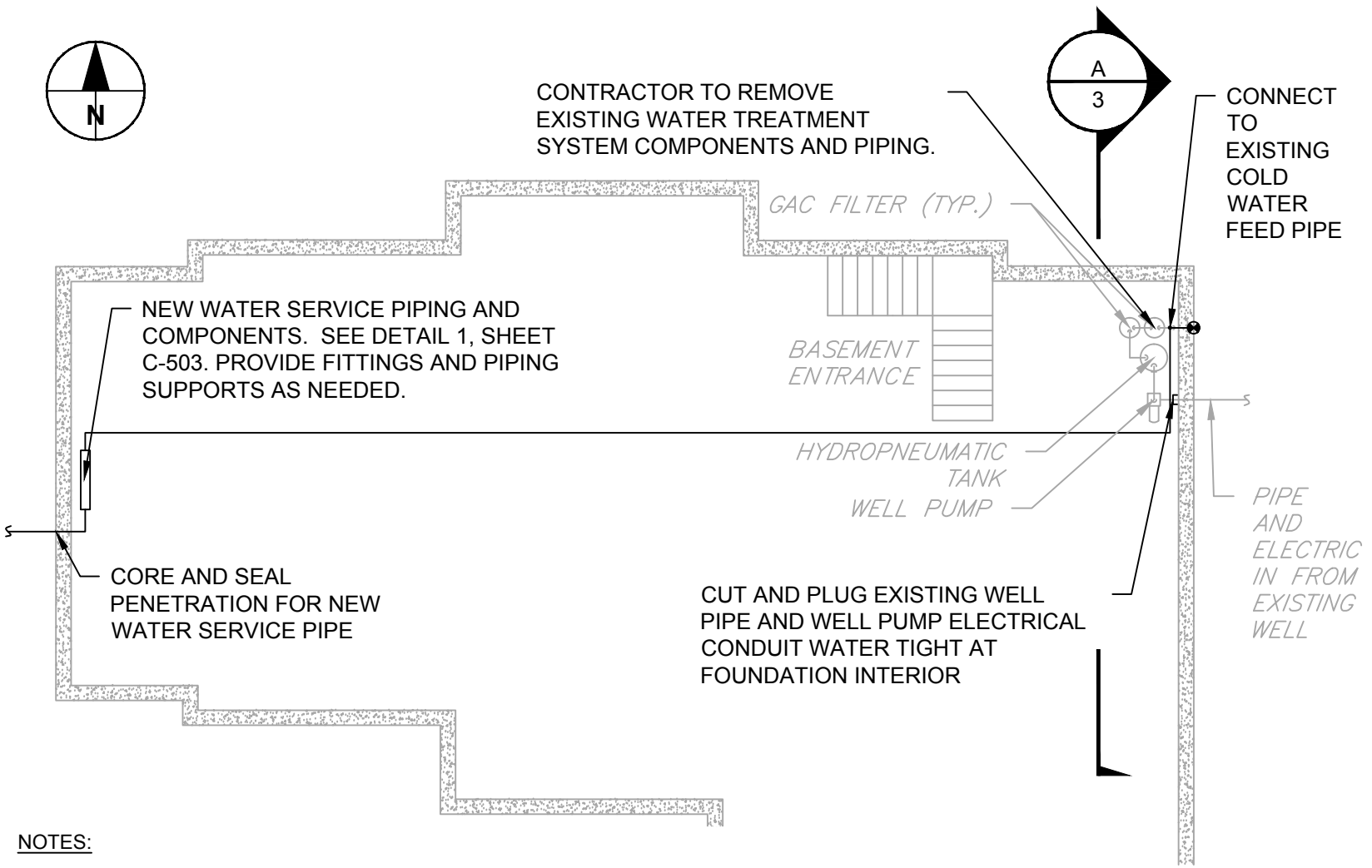
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
289 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-289MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

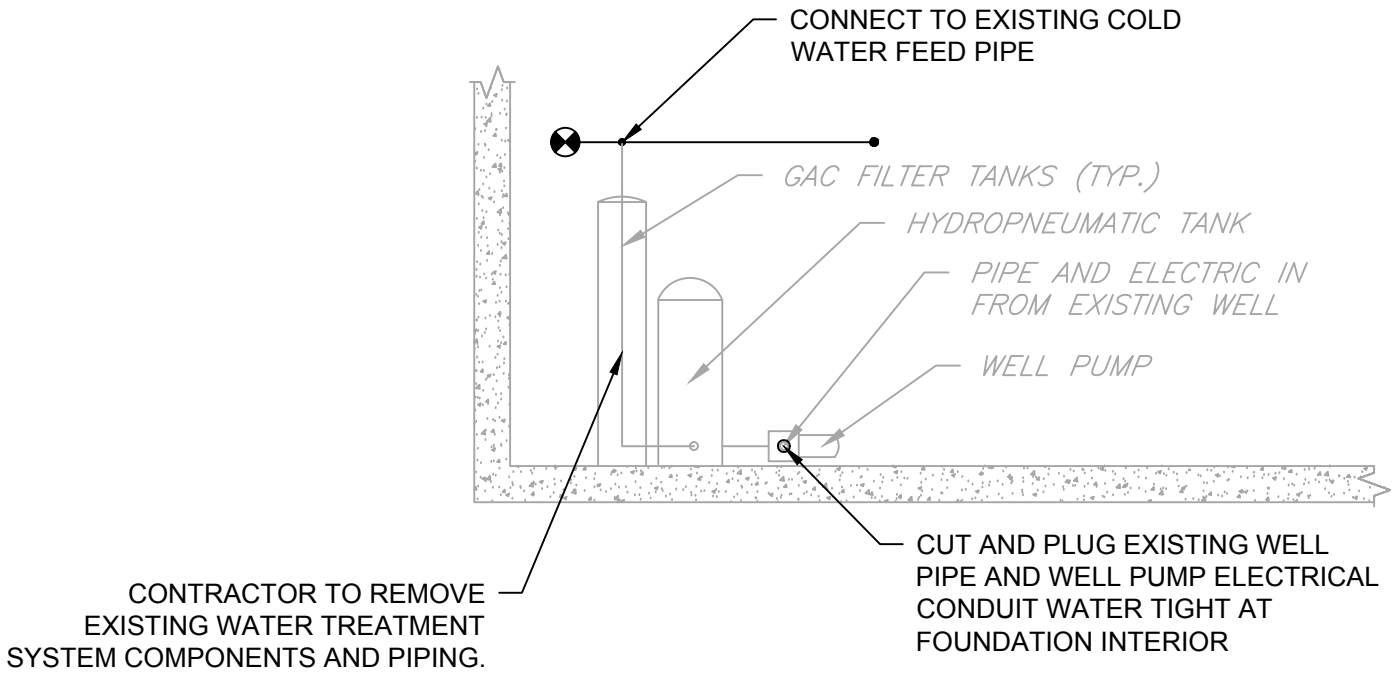
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
289 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	289 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

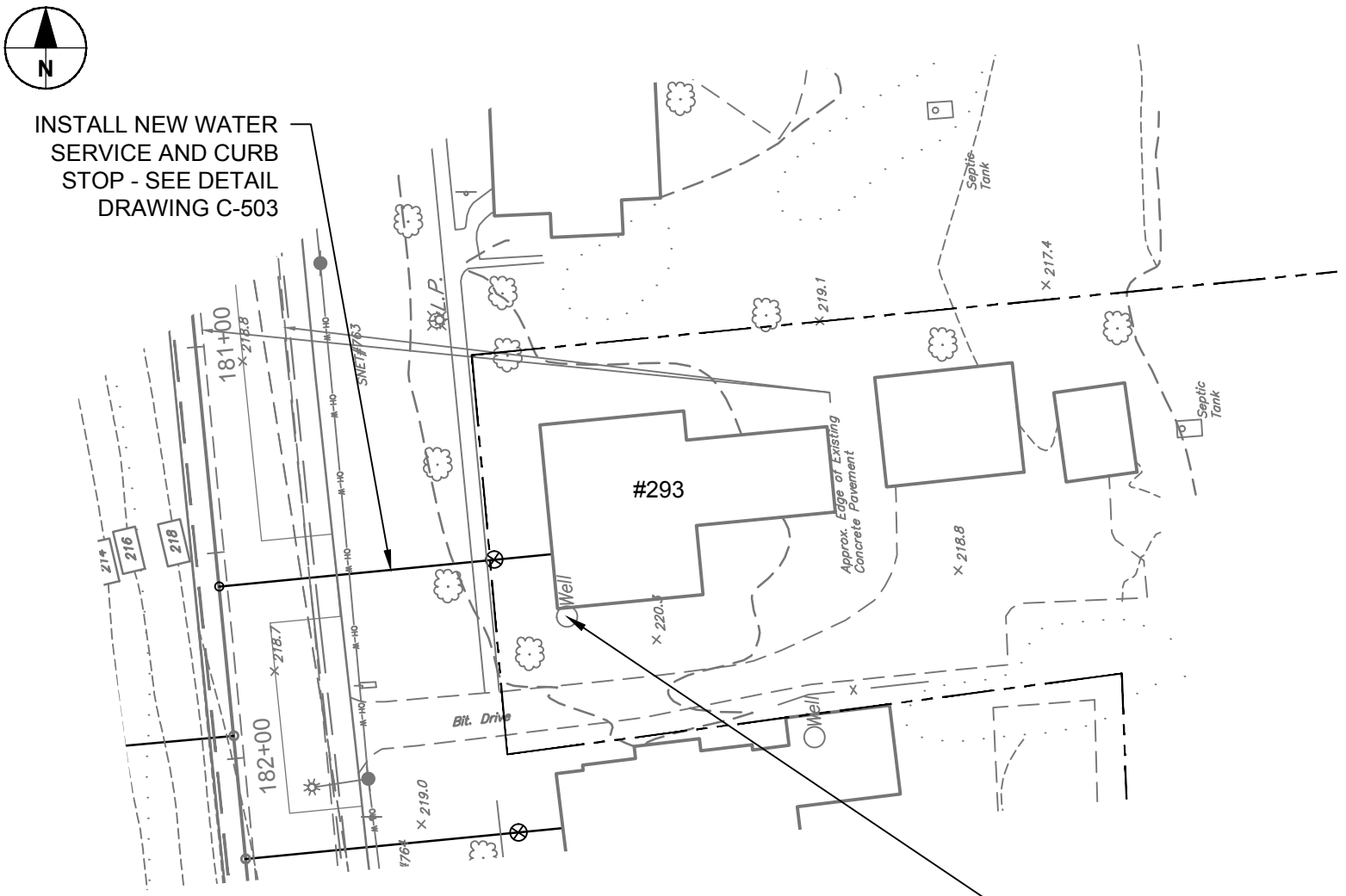
TOWN OF DURHAM
289 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	289 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

293 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
293 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-293MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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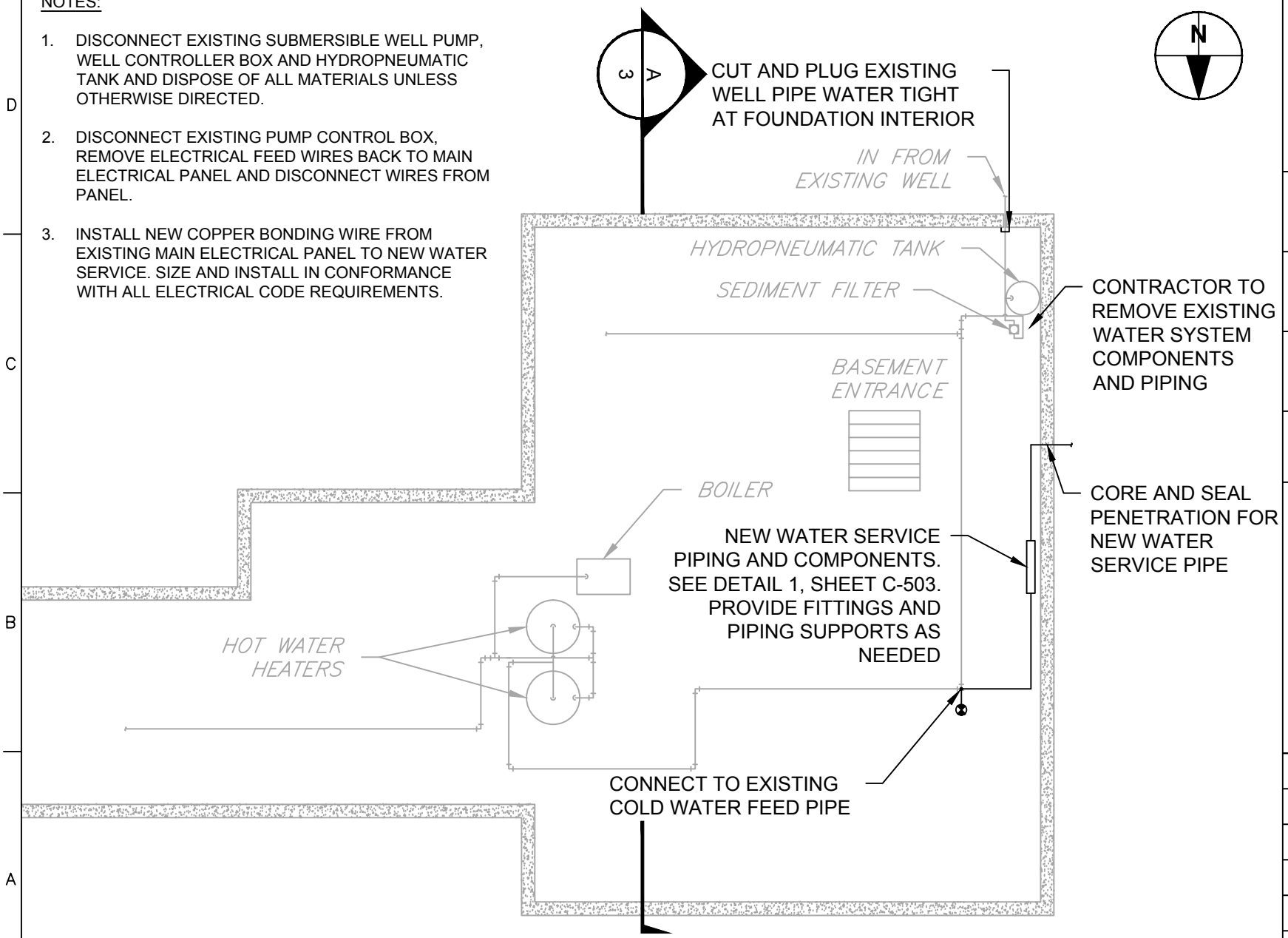


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
293 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

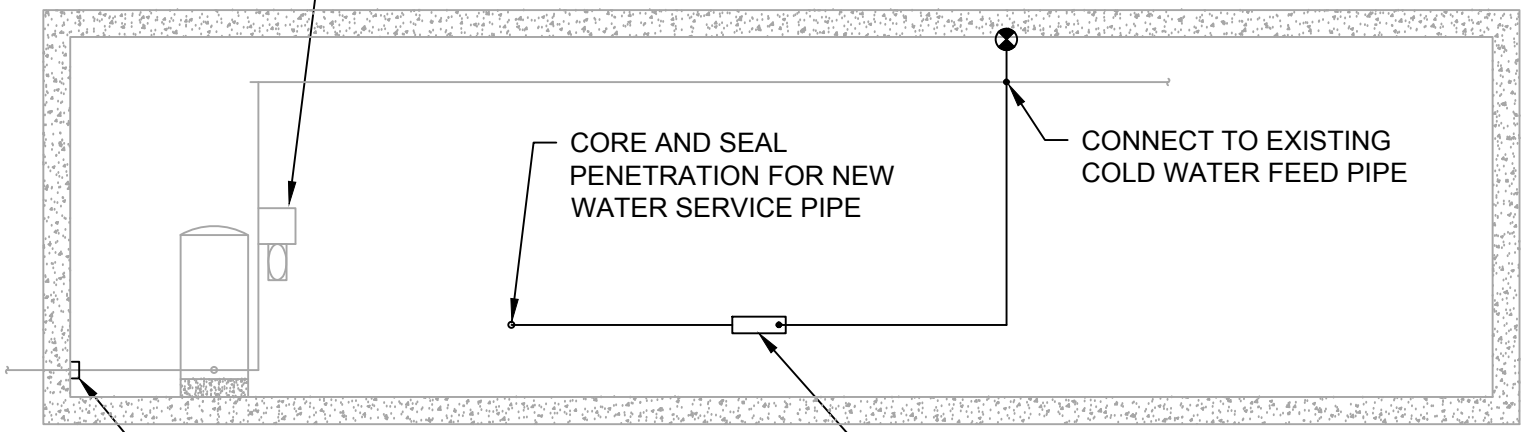
PROJECT NO:	60275749
CAD FILE:	293 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

WEST VIEW



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

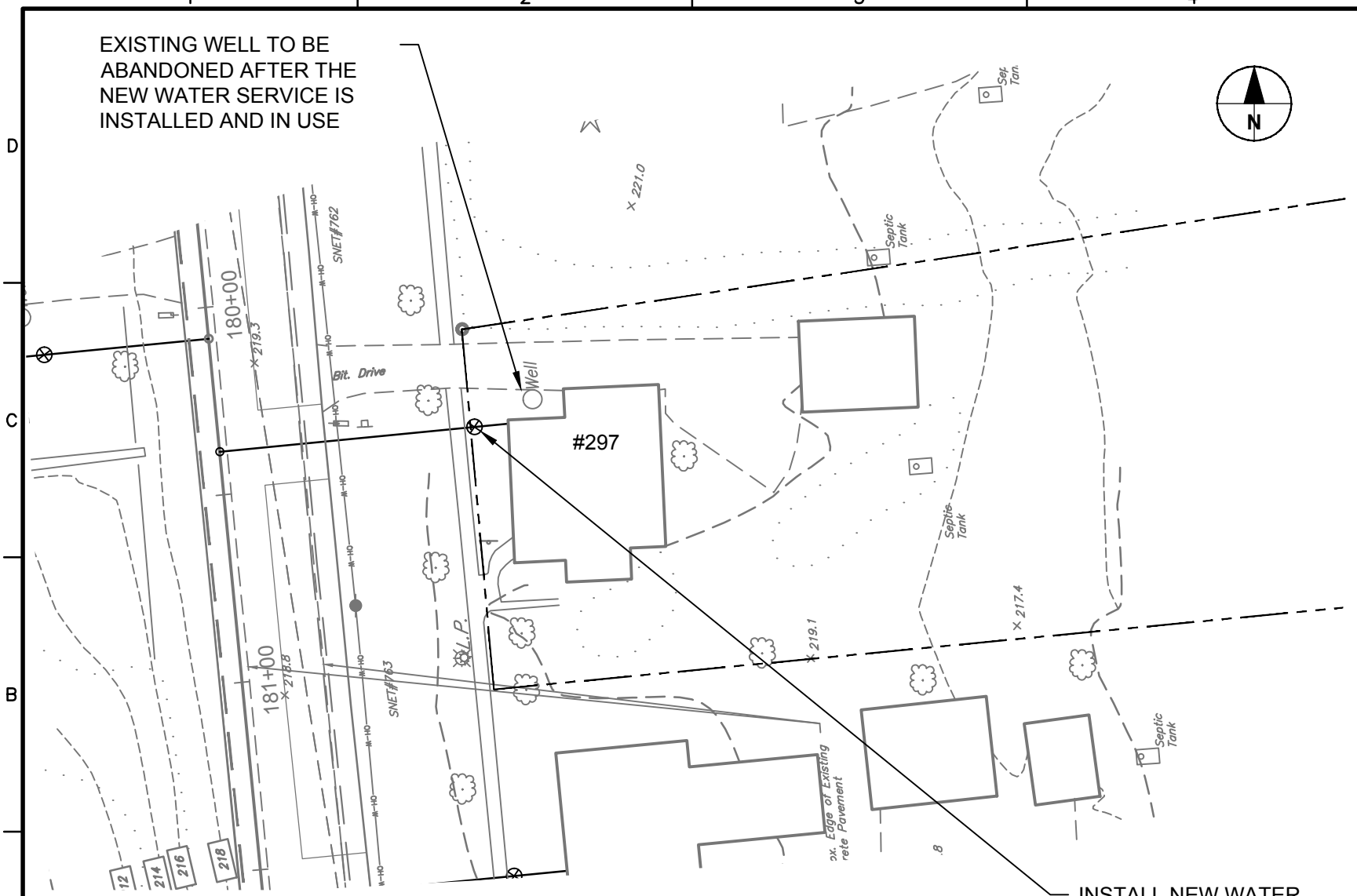
TOWN OF DURHAM
293 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	293 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

297 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

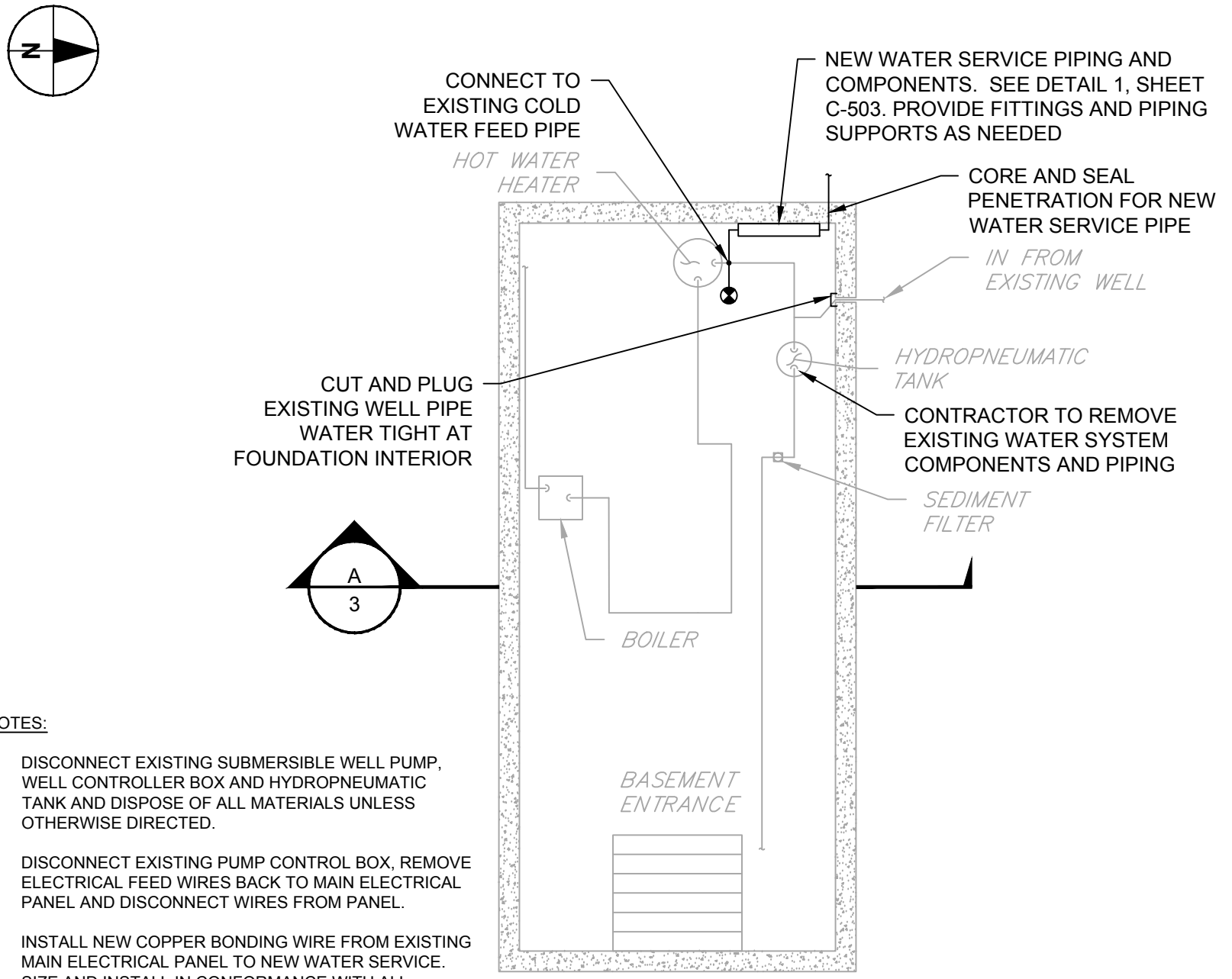
TOWN OF DURHAM
297 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-297MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
297 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

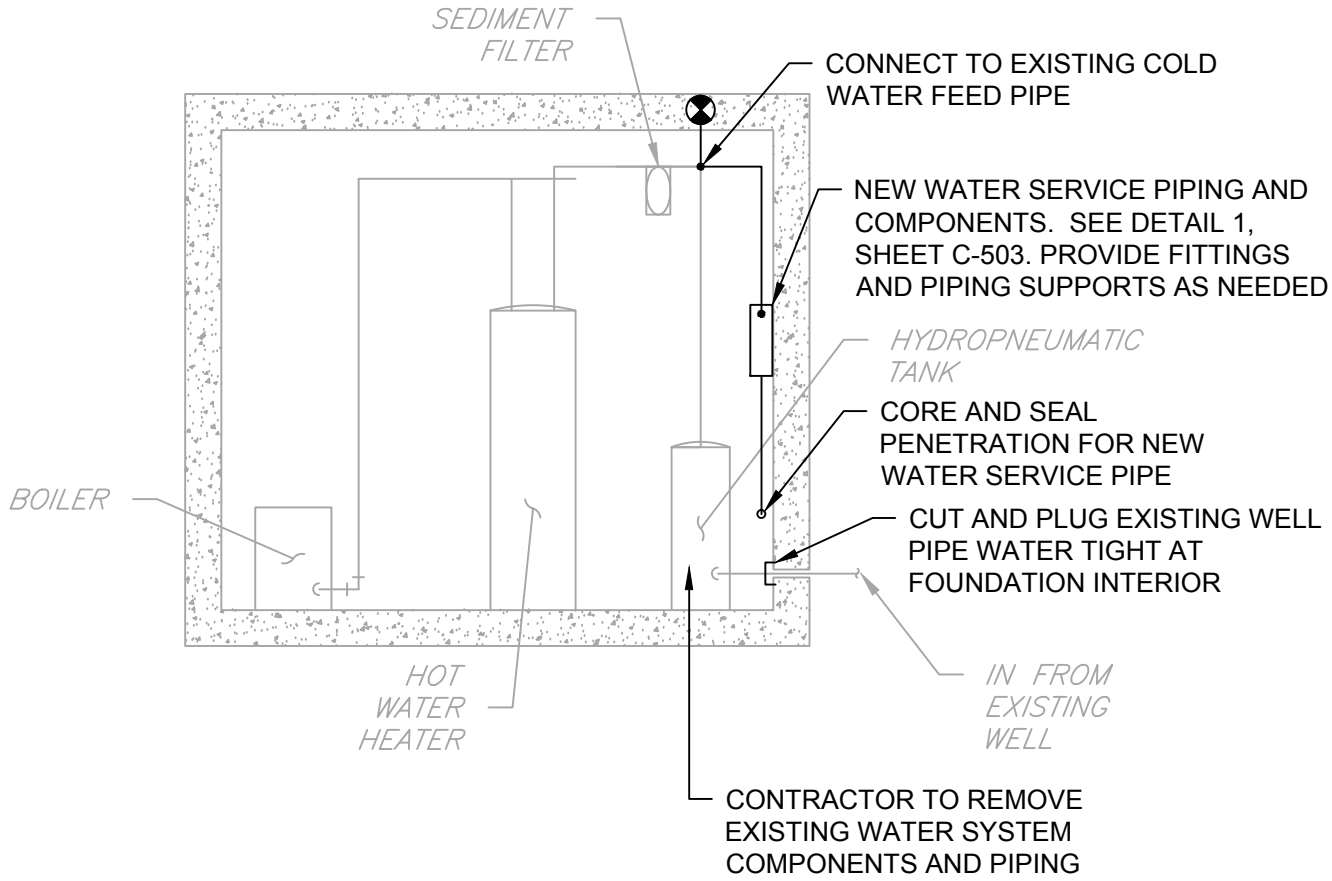
PROJECT NO:	60275749
CAD FILE:	297 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

WEST VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
297 MAIN ST.

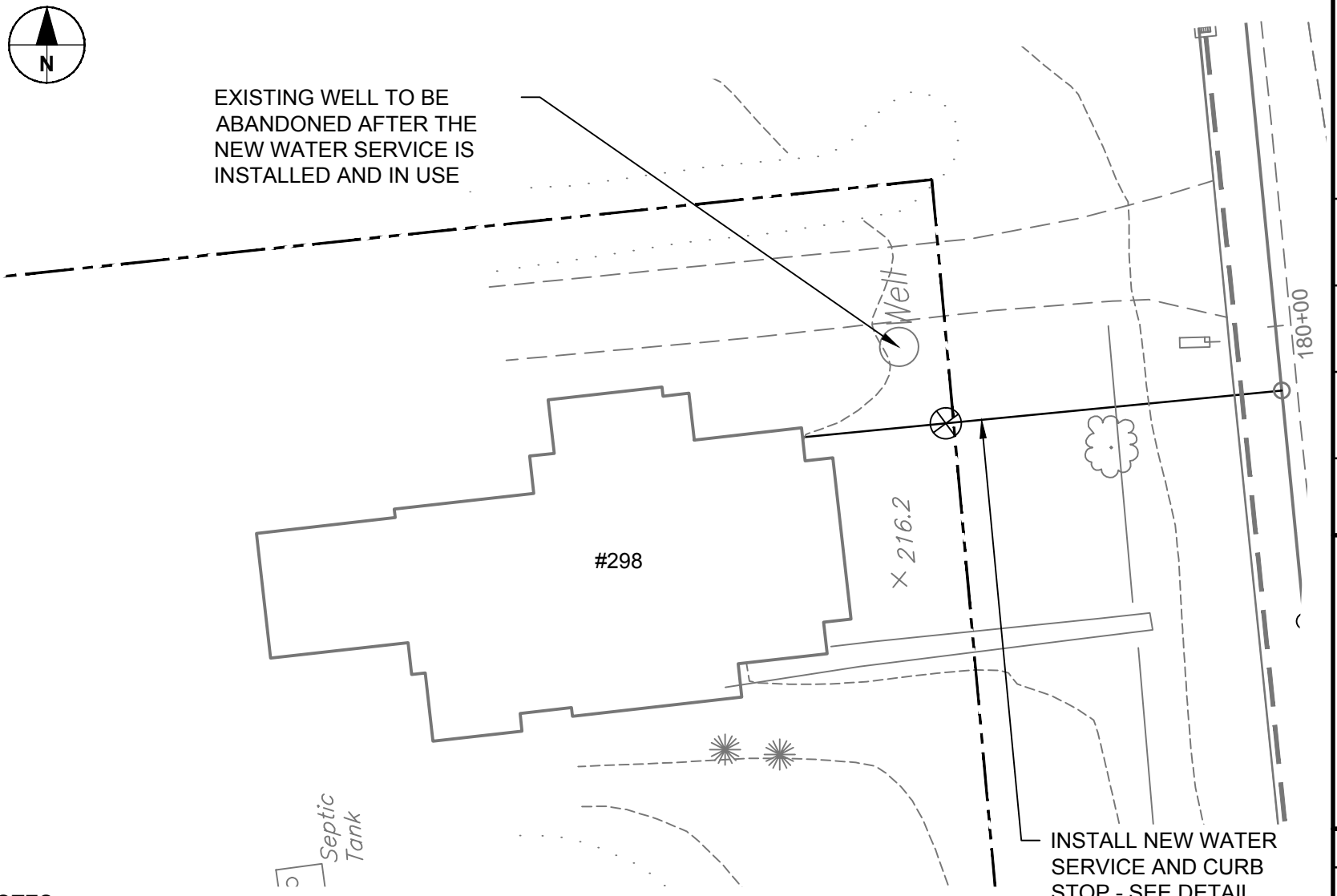
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	297 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

298 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

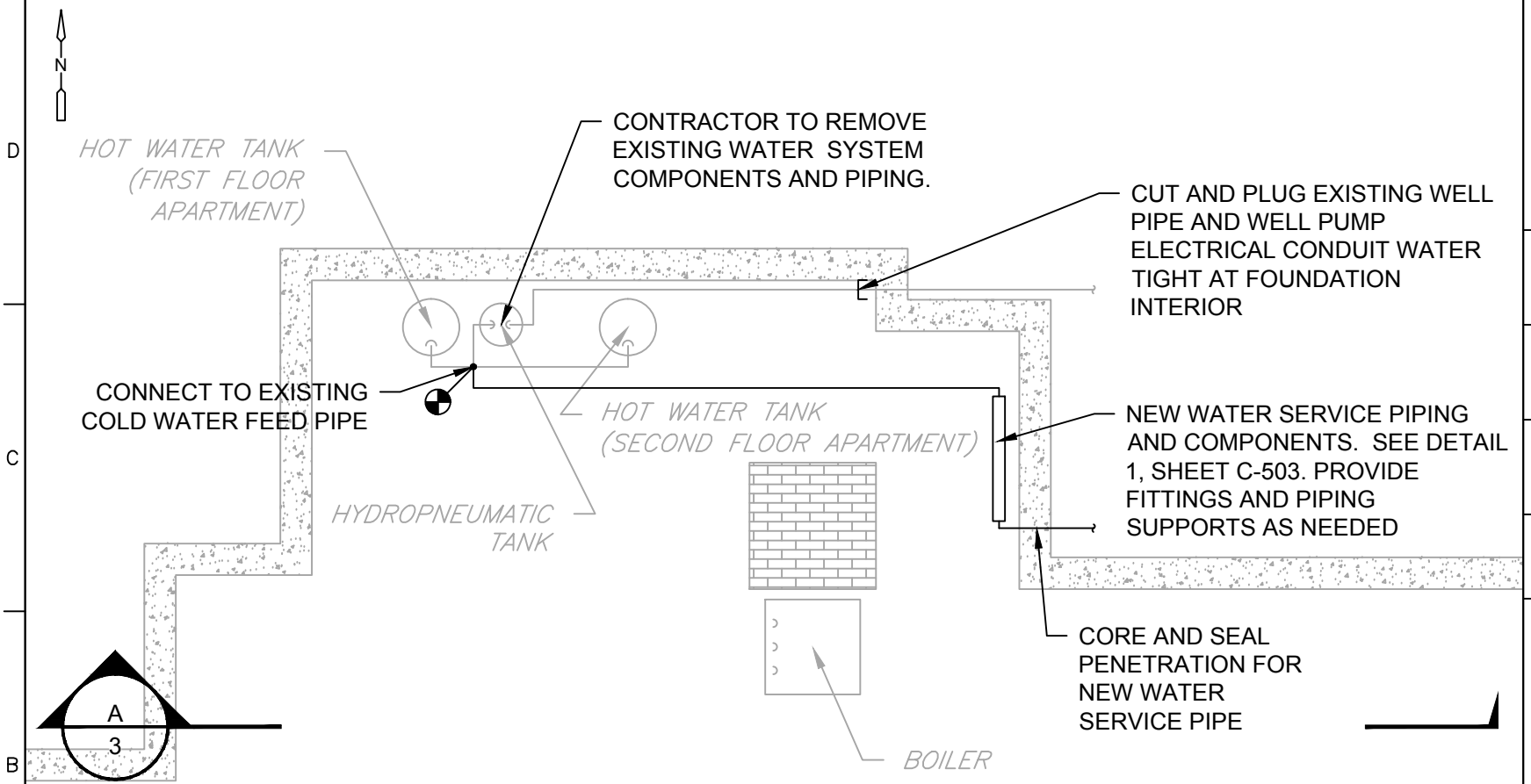
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
298 MAIN STREET
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-298MAIN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

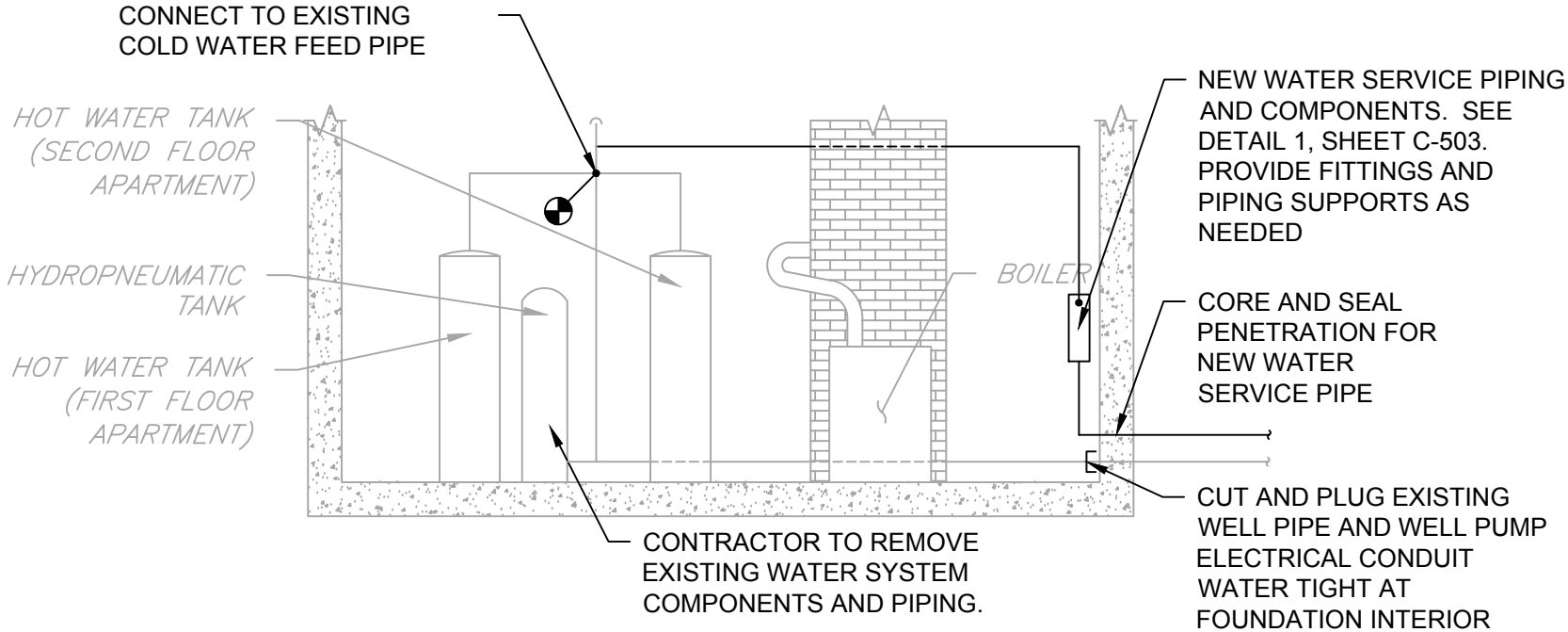
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
298 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	298 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

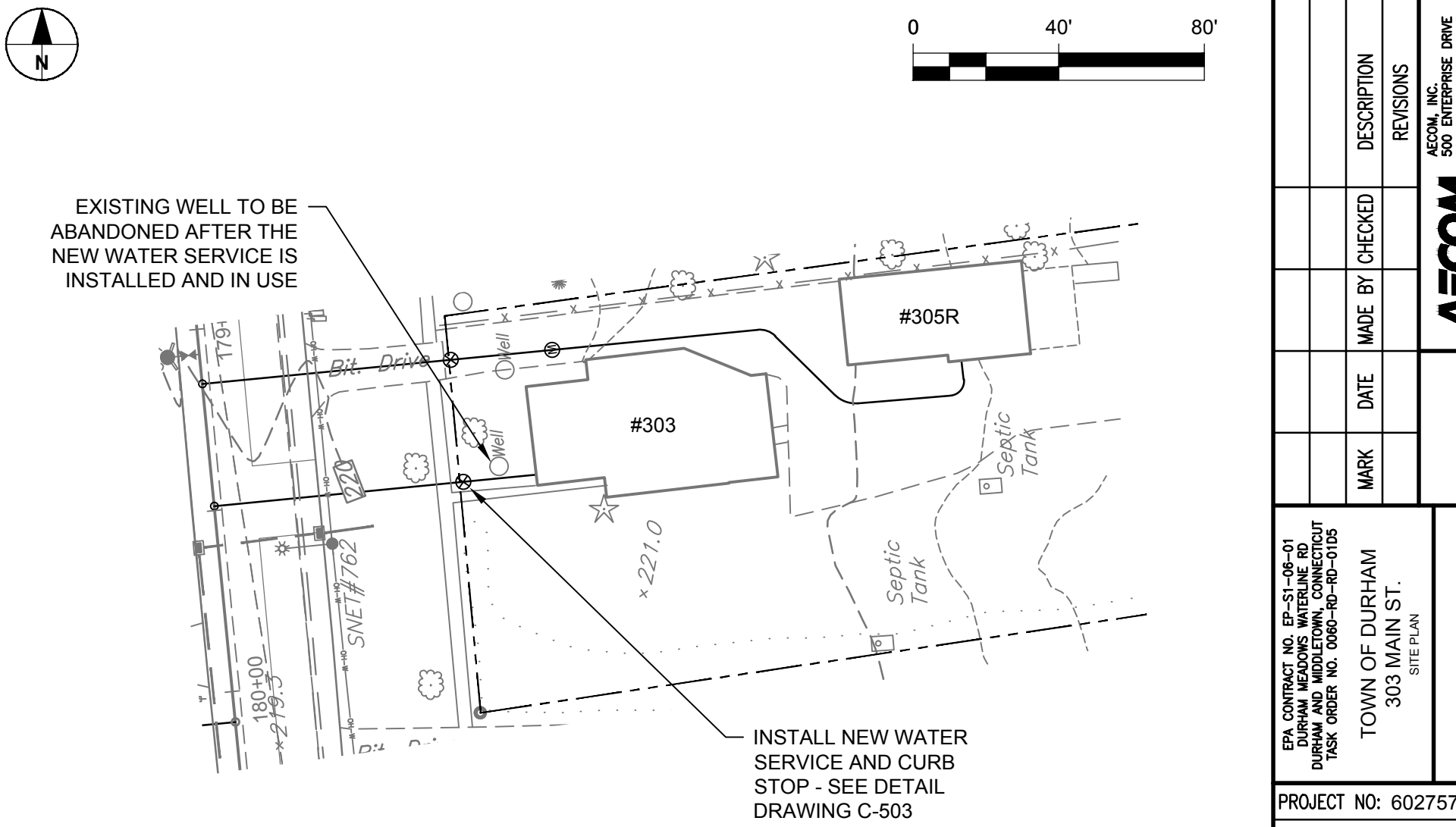
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
298 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	298 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{1}{4}$" = 1' - 0"
SHEET	3 OF 3

303 Main Street

PLOTTED: 23-Jan-18



NOTES:

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2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
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PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

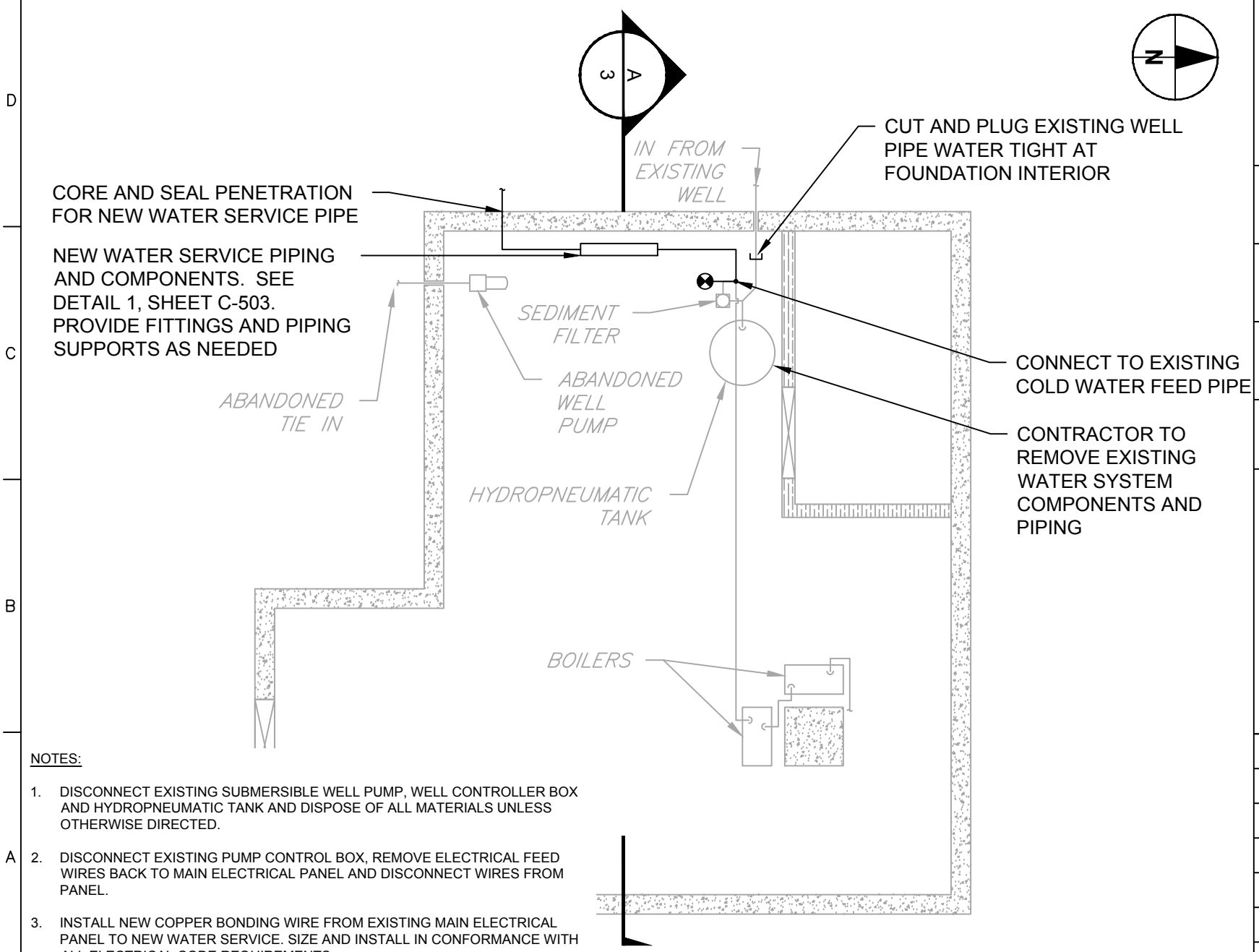
TOWN OF DURHAM
303 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-303MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



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AECOM, INC.
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ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
303 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

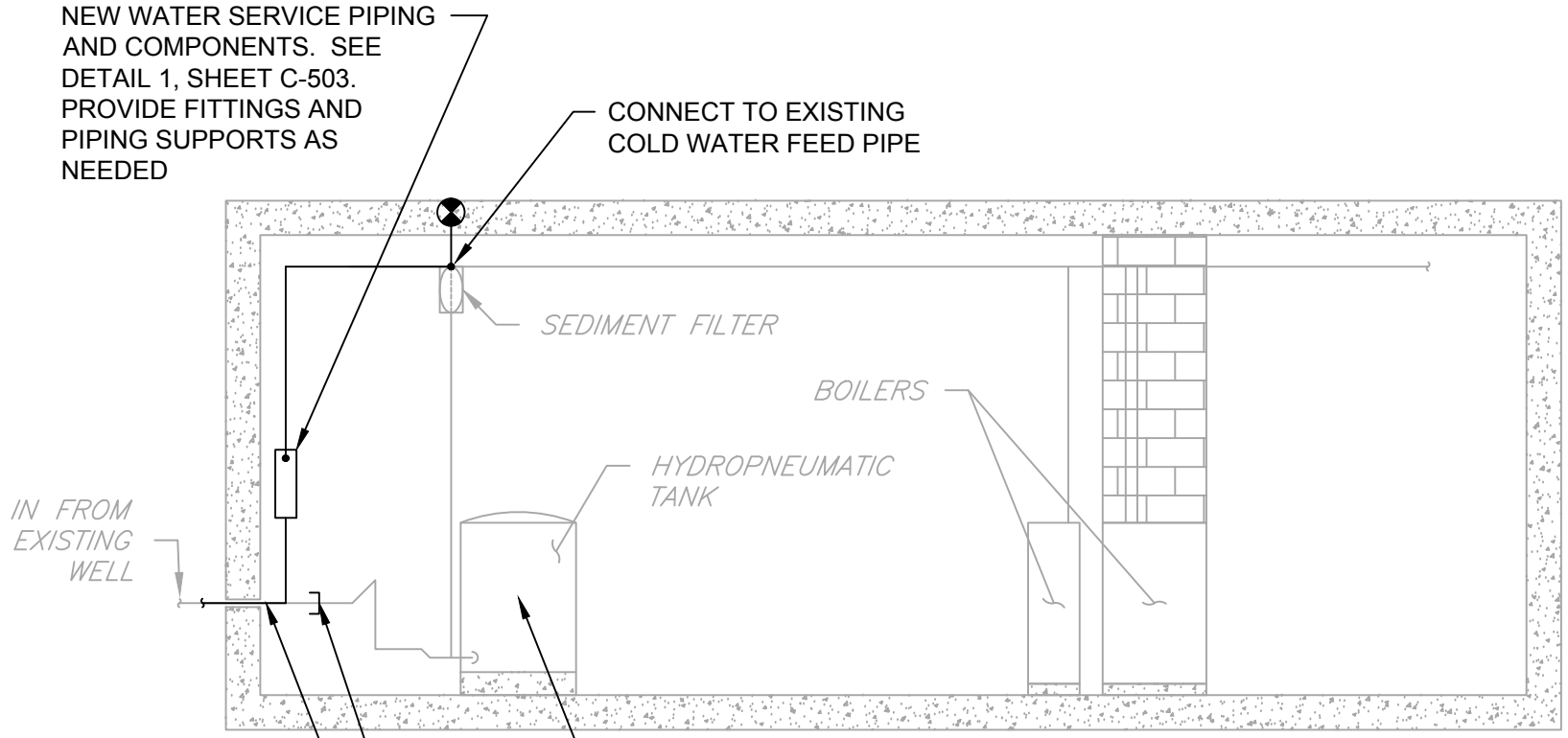
PROJECT NO:	60275749
CAD FILE:	303 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NORTH VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

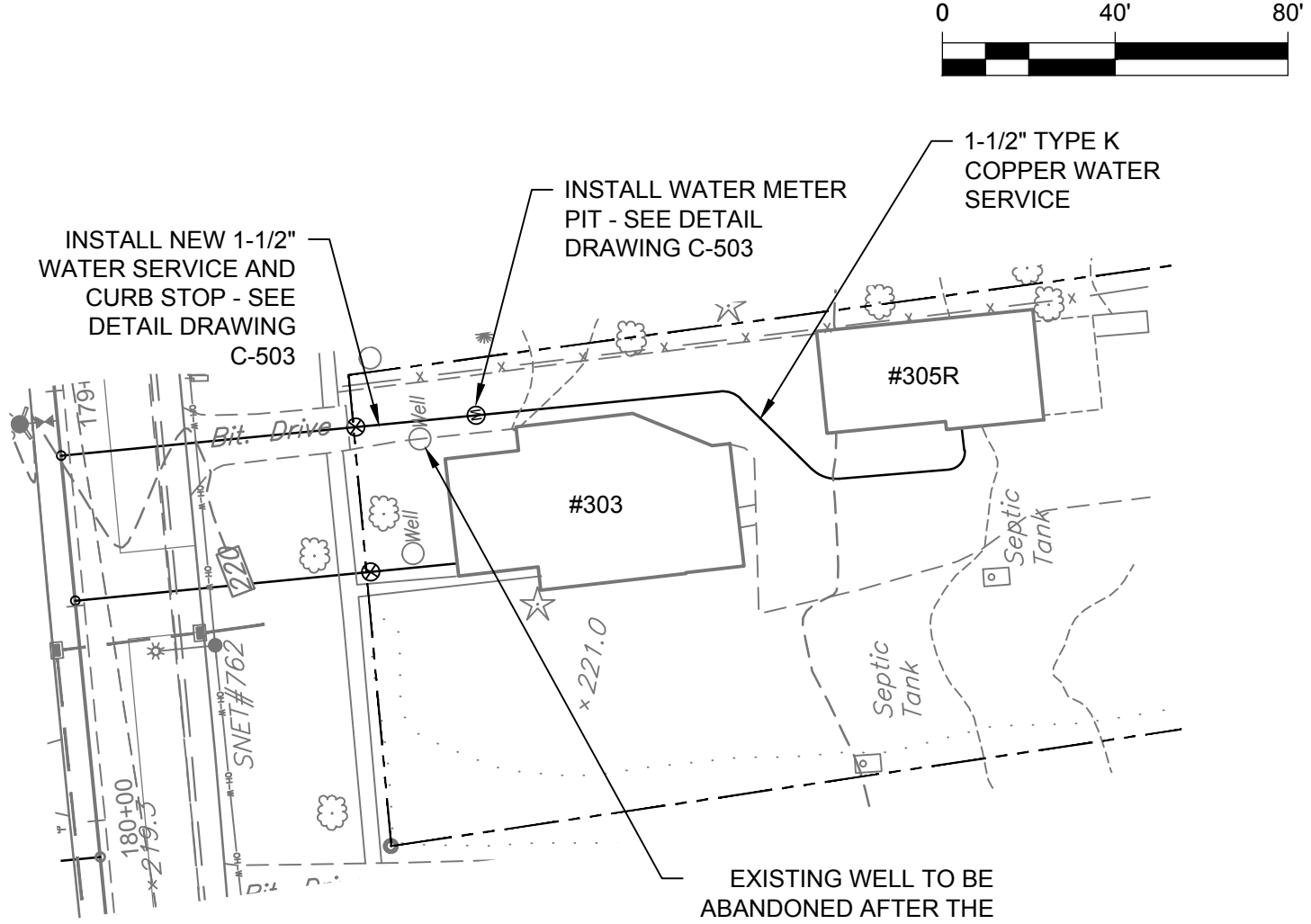
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
303 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	303 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

305R Main Street

PLOTTED: 23-Jan-18



NOTES:

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2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

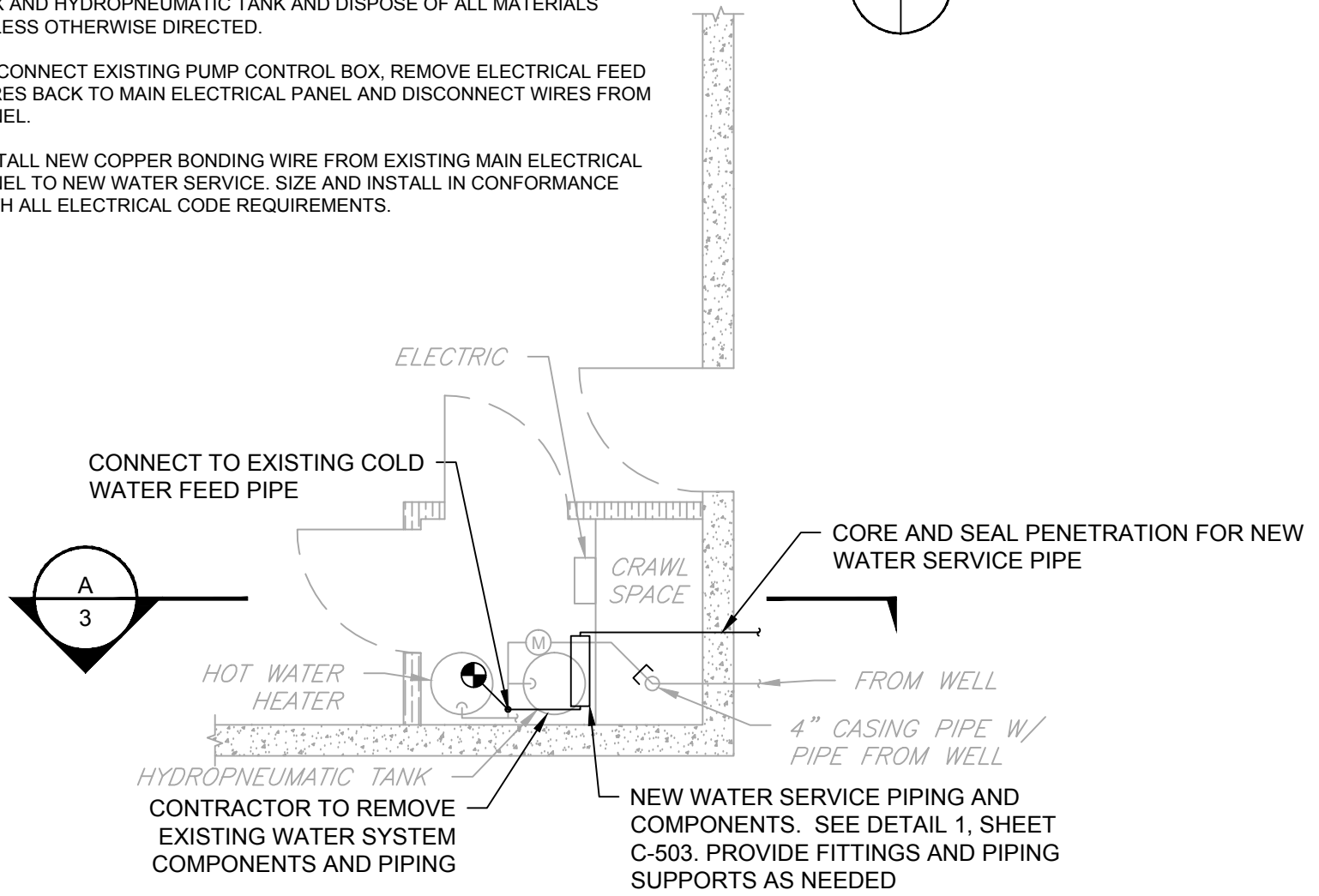
TOWN OF DURHAM
305R MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-305RMAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

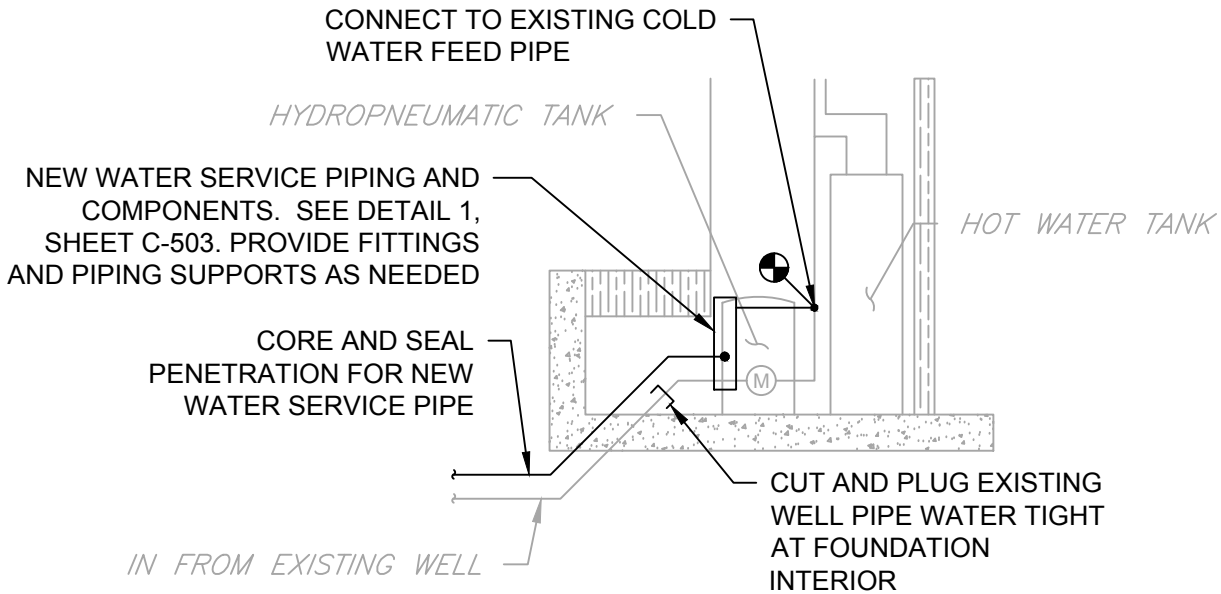
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
305R MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	305R Main St.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

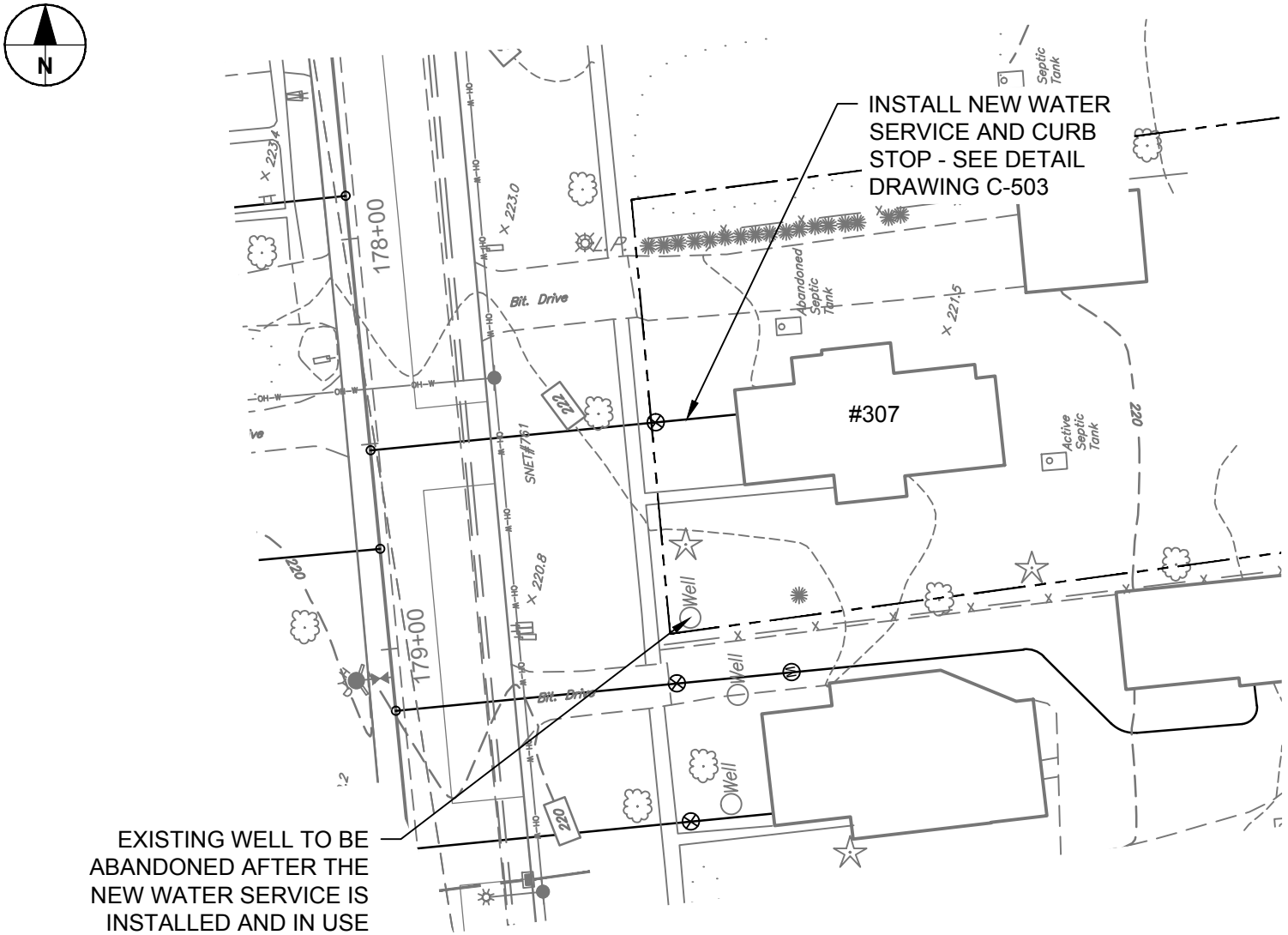
TOWN OF DURHAM
305R MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	305R Main St.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

307 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

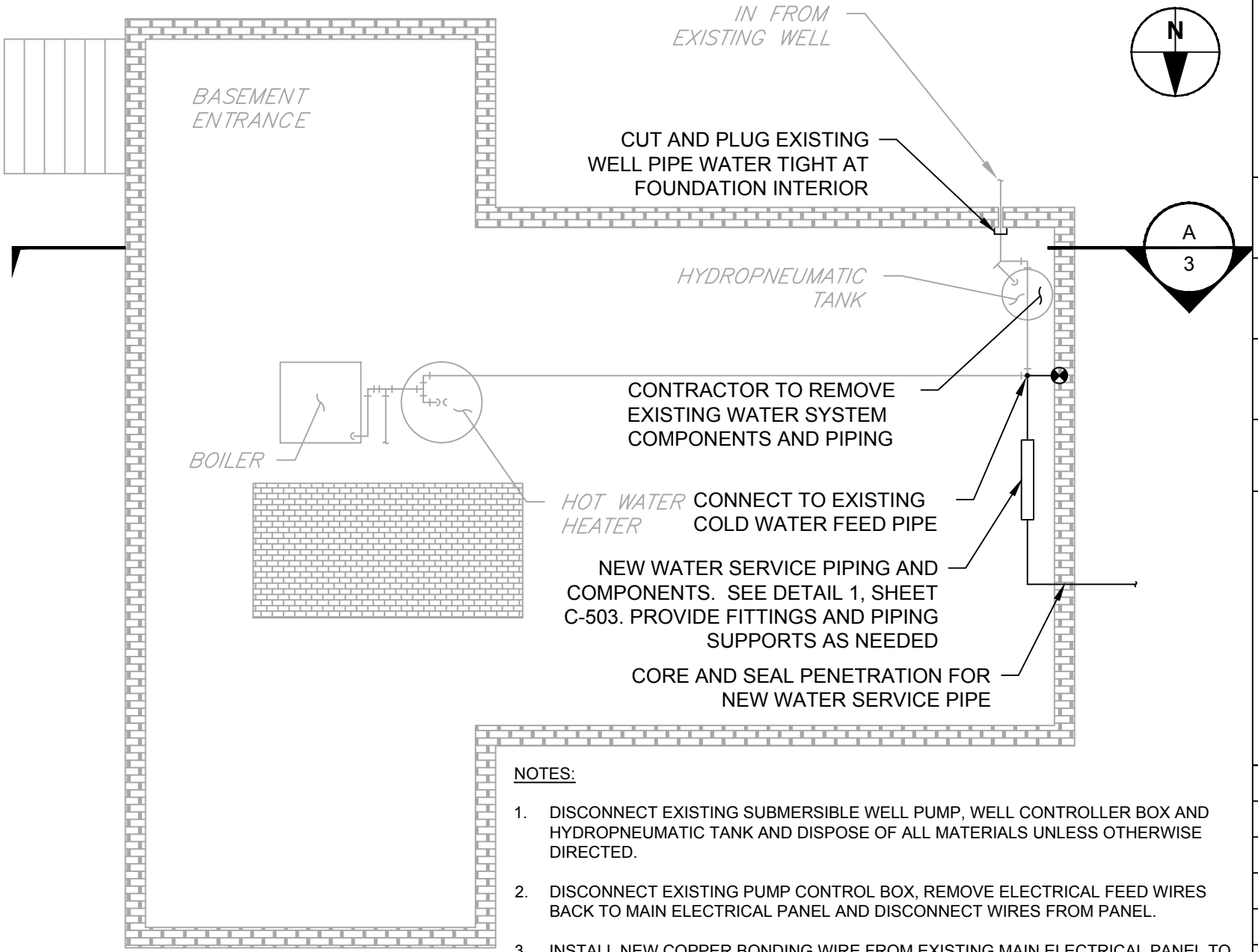
TOWN OF DURHAM
307 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-307MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



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AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
307 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

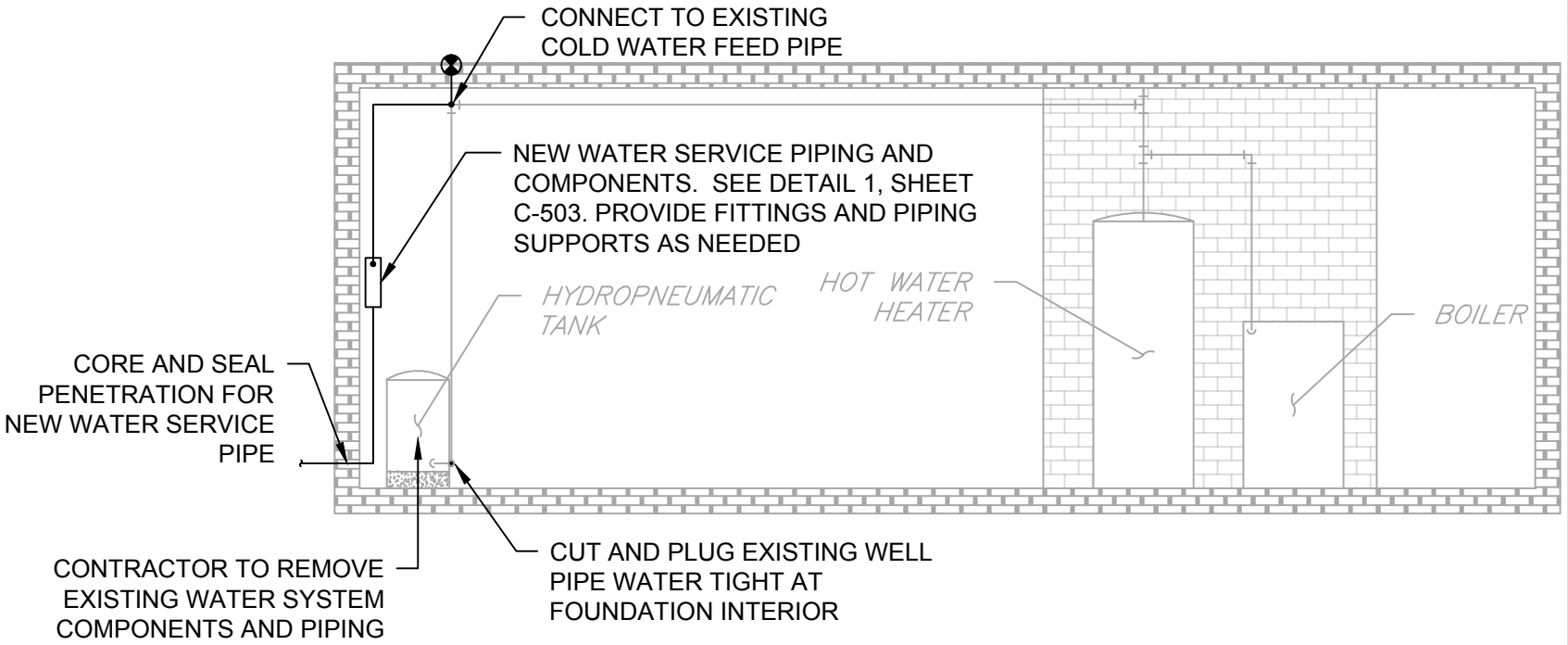
PROJECT NO:	60275749
CAD FILE:	307 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NORTH VIEW



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

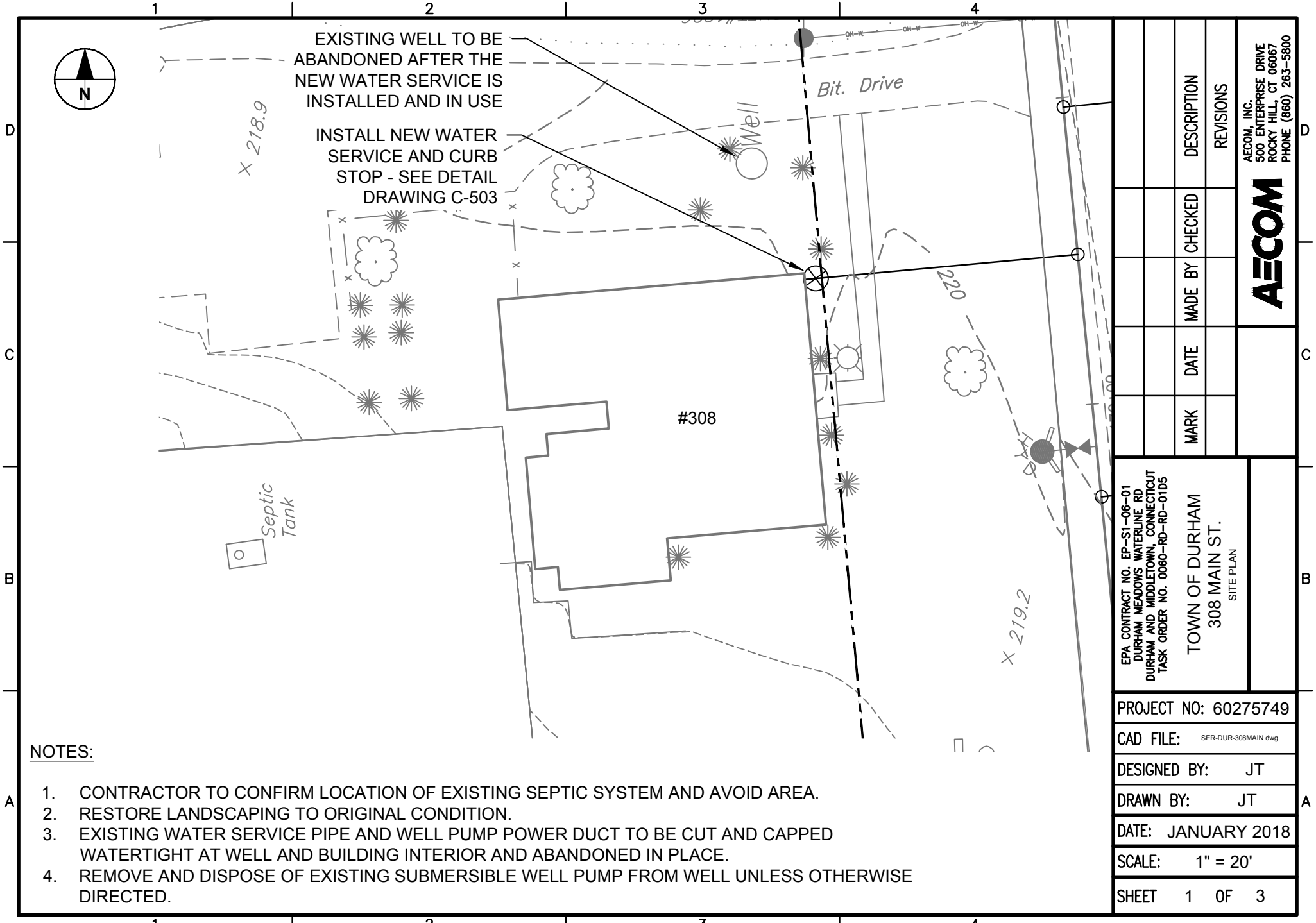
TOWN OF DURHAM
307 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	307 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

308 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
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PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

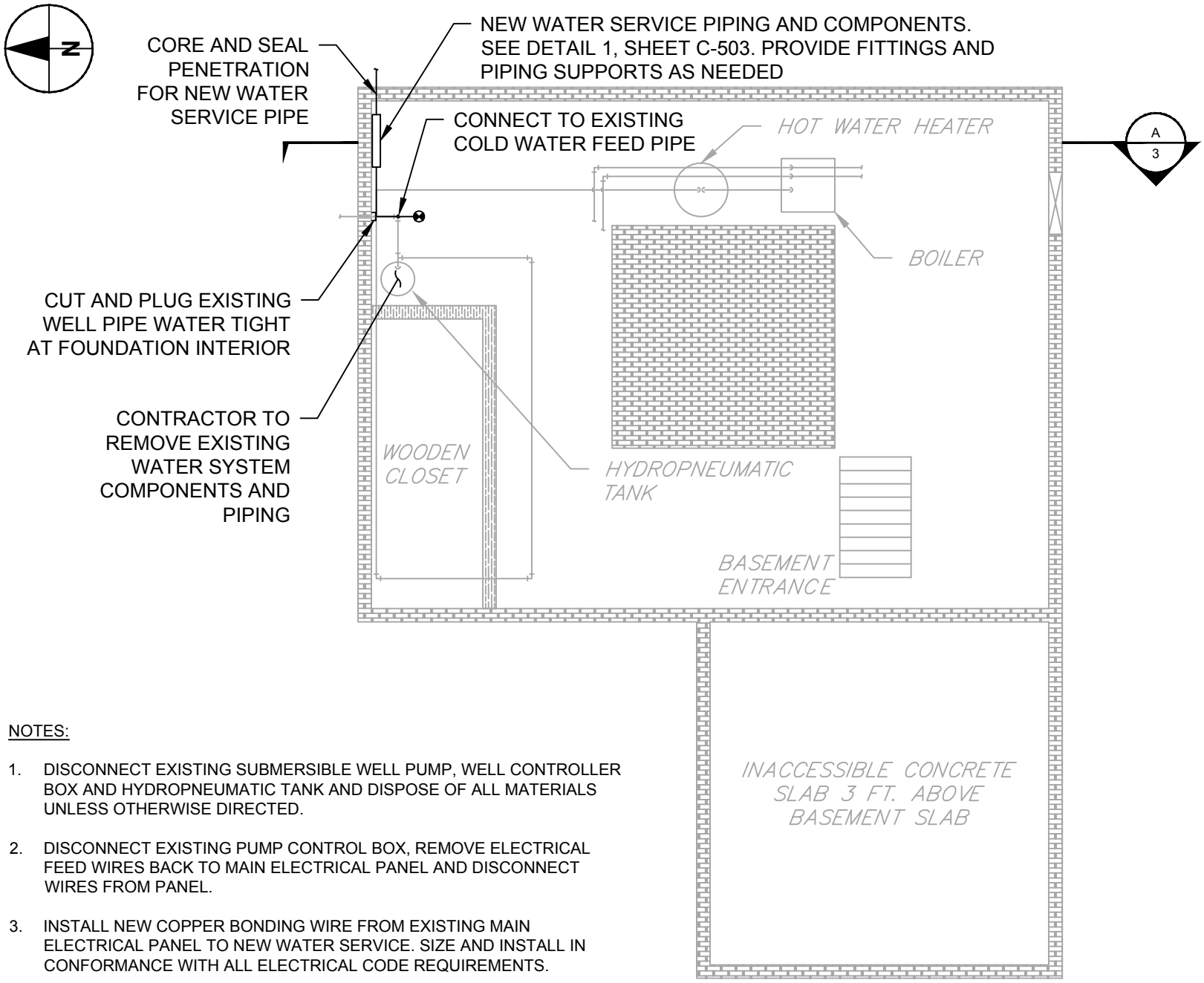
TOWN OF DURHAM
308 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-308MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"



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DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
308 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

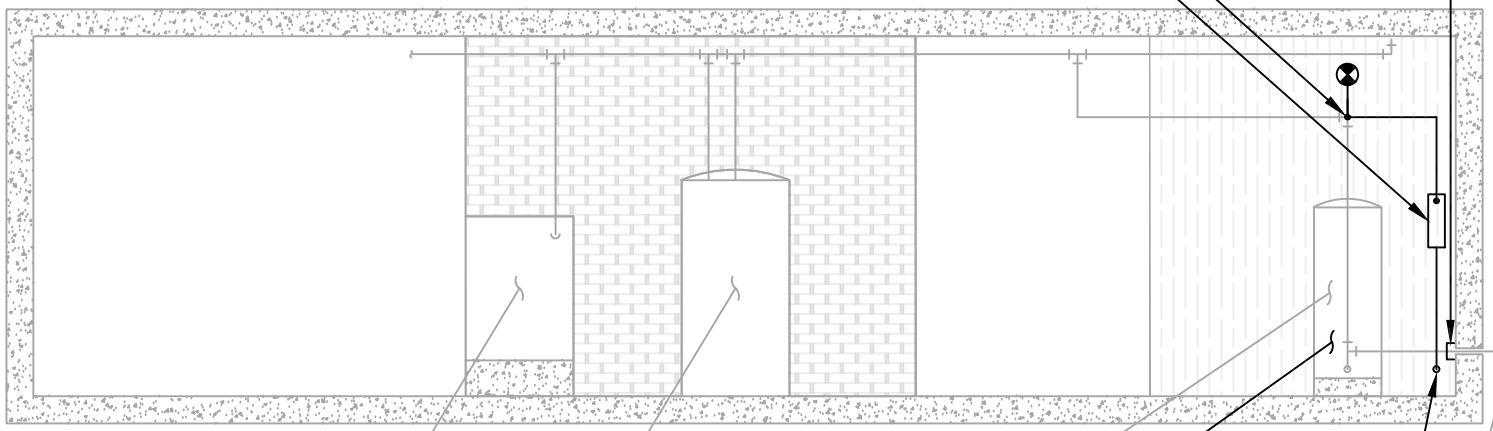
PROJECT NO:	60275749
CAD FILE:	308 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

WEST VIEW



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
308 MAIN ST.

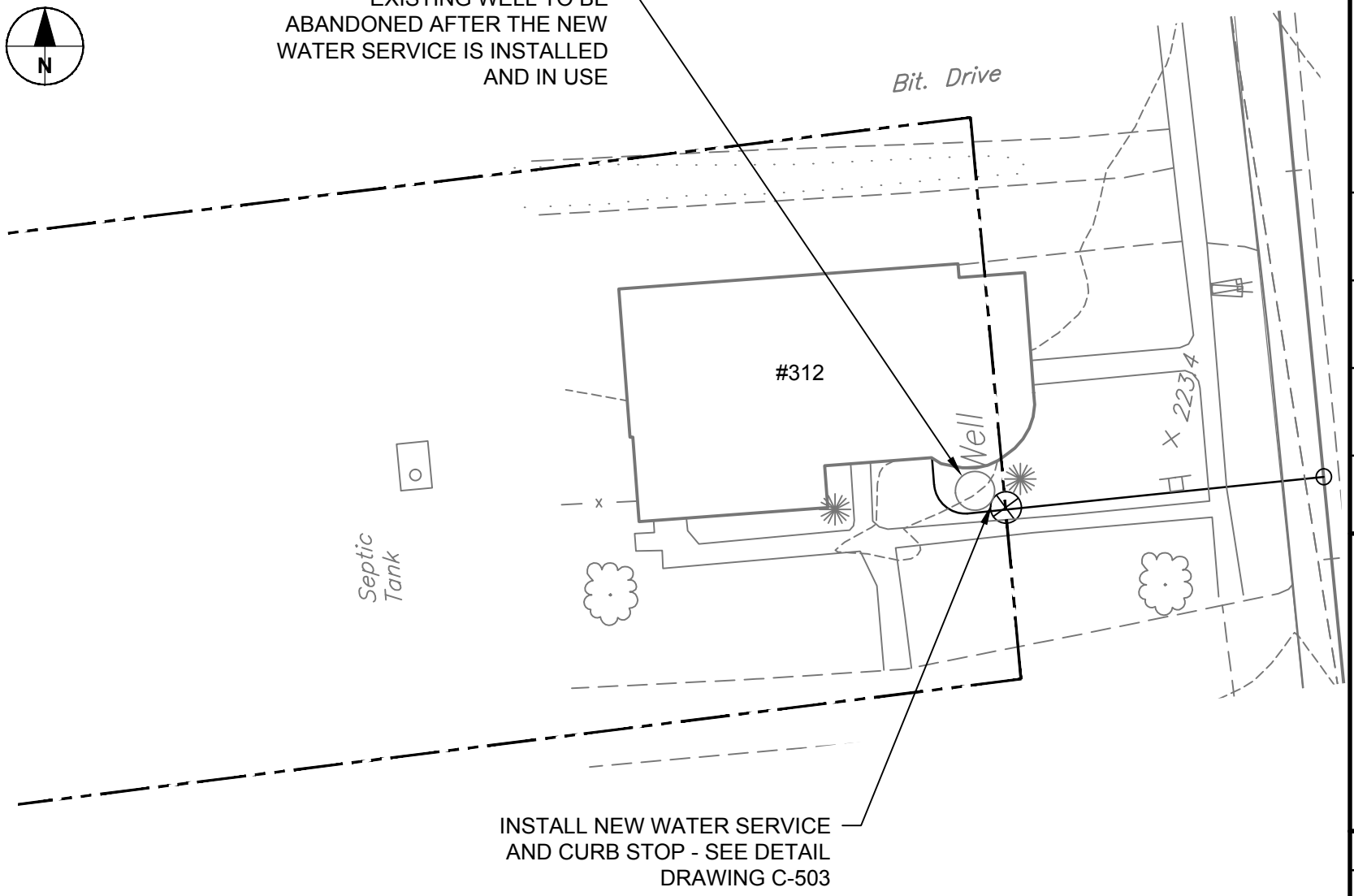
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	308 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

312 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
312 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-312MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

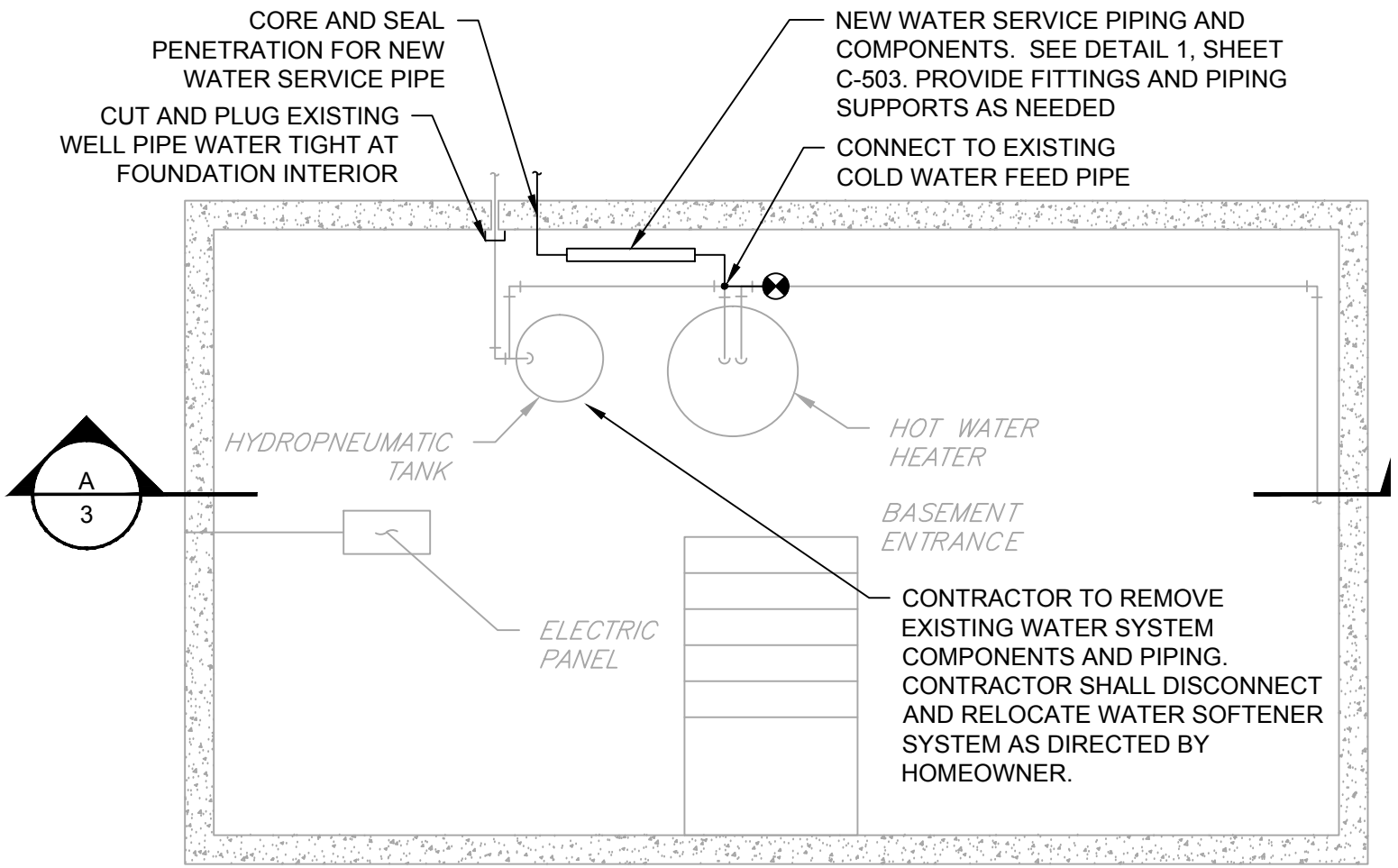
PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
312 MAIN ST.

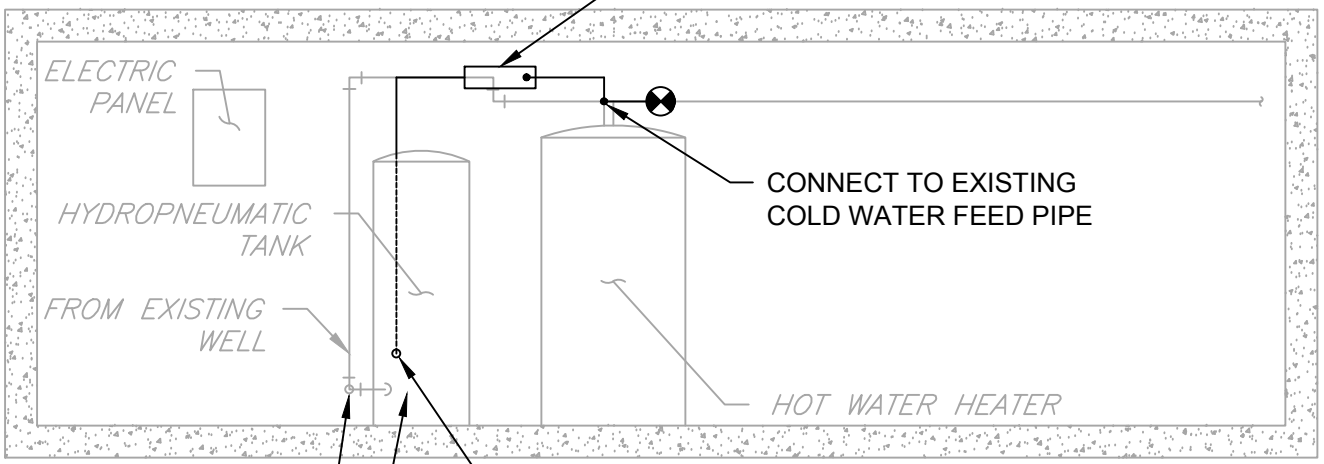
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	312 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
312 MAIN ST.

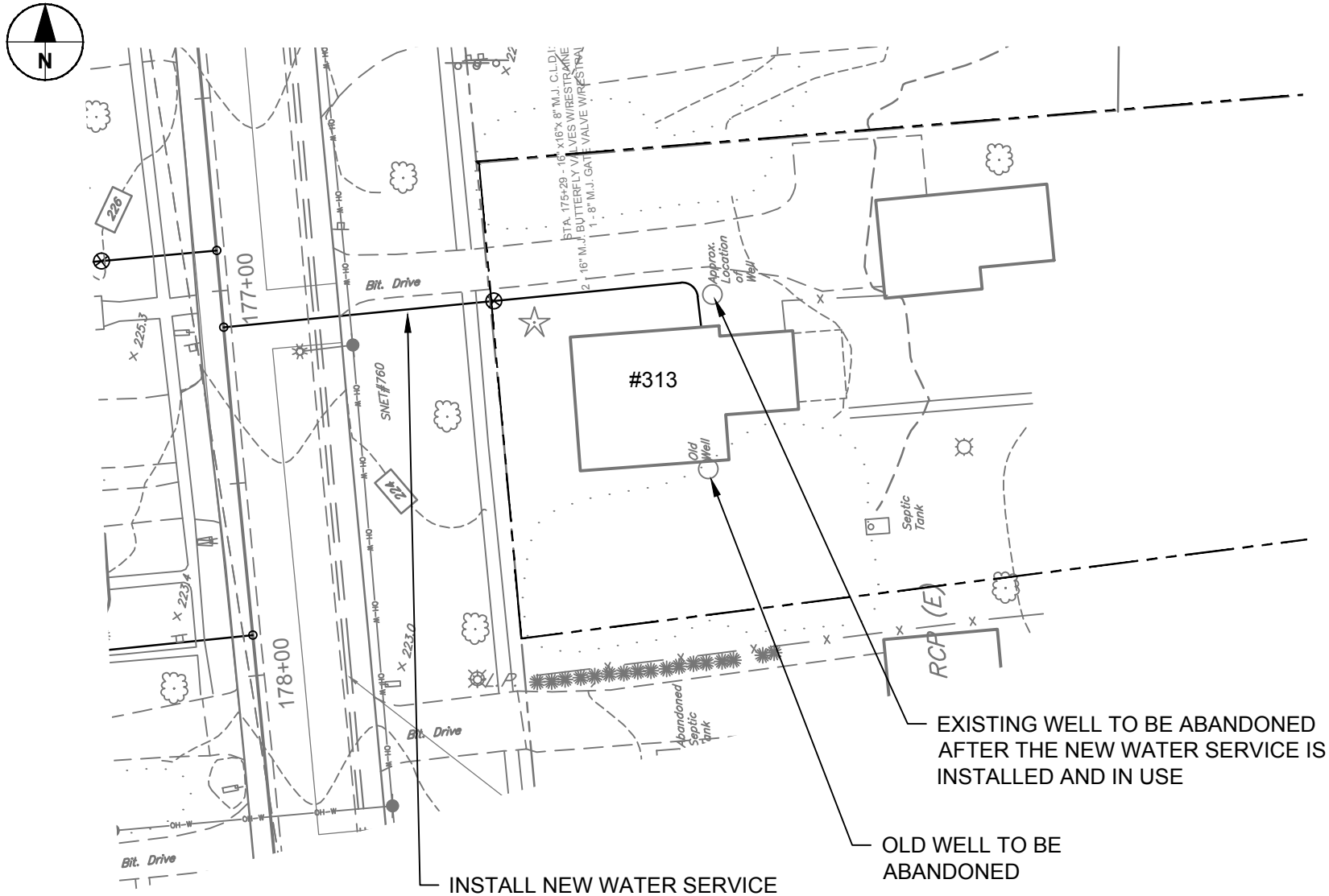
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	312 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

313 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
313 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-313MAIN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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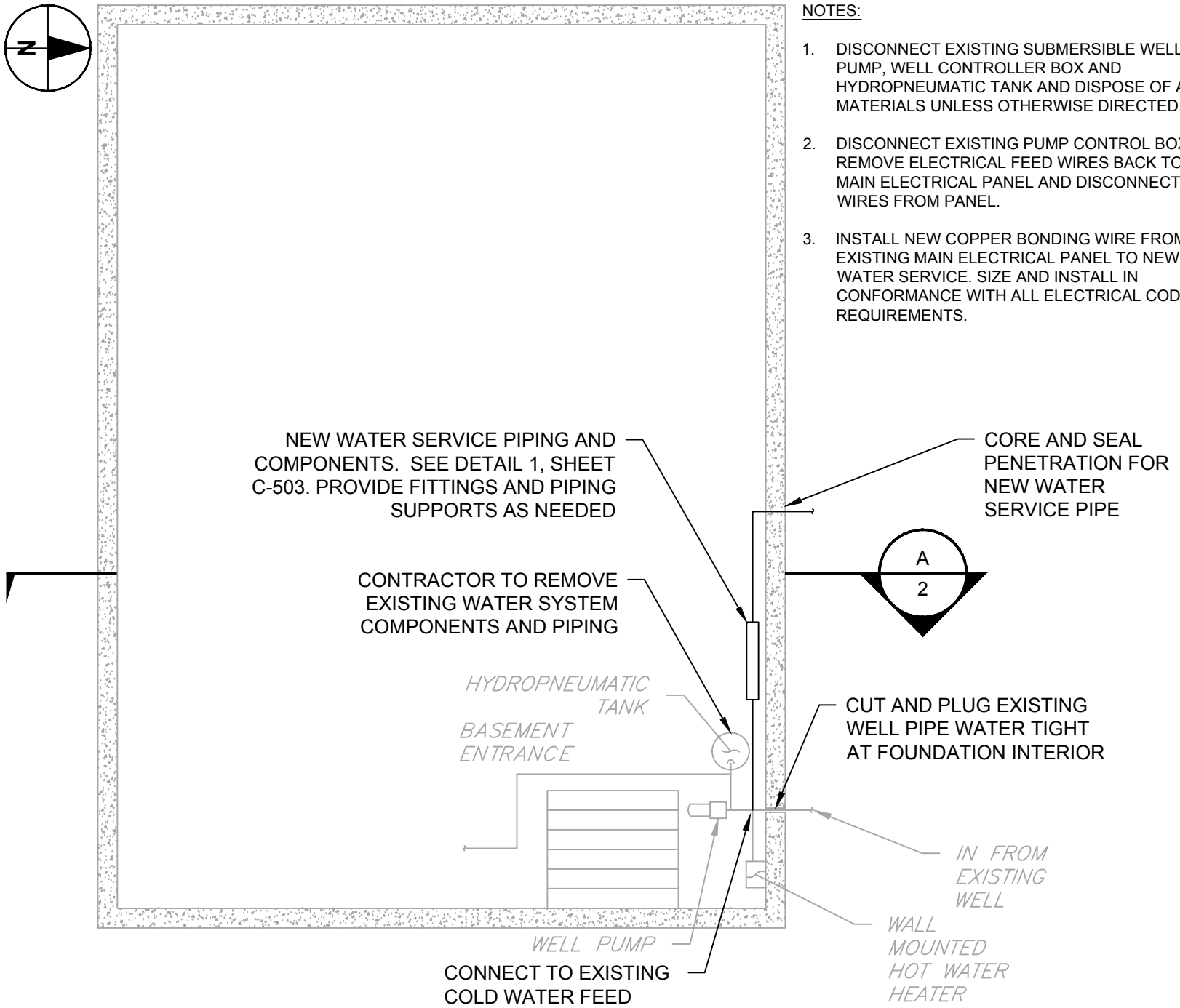


MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
313 MAIN ST.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

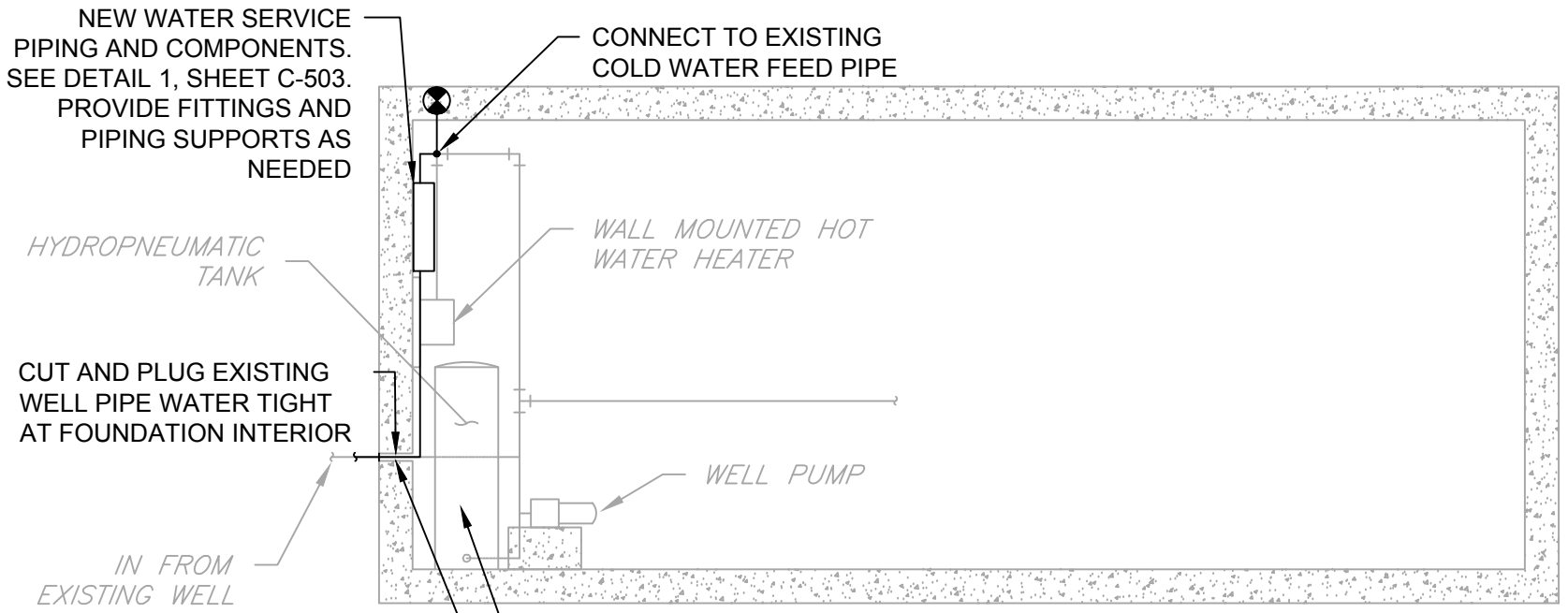
PROJECT NO:	60275749
CAD FILE:	313 Main St..dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

EAST VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

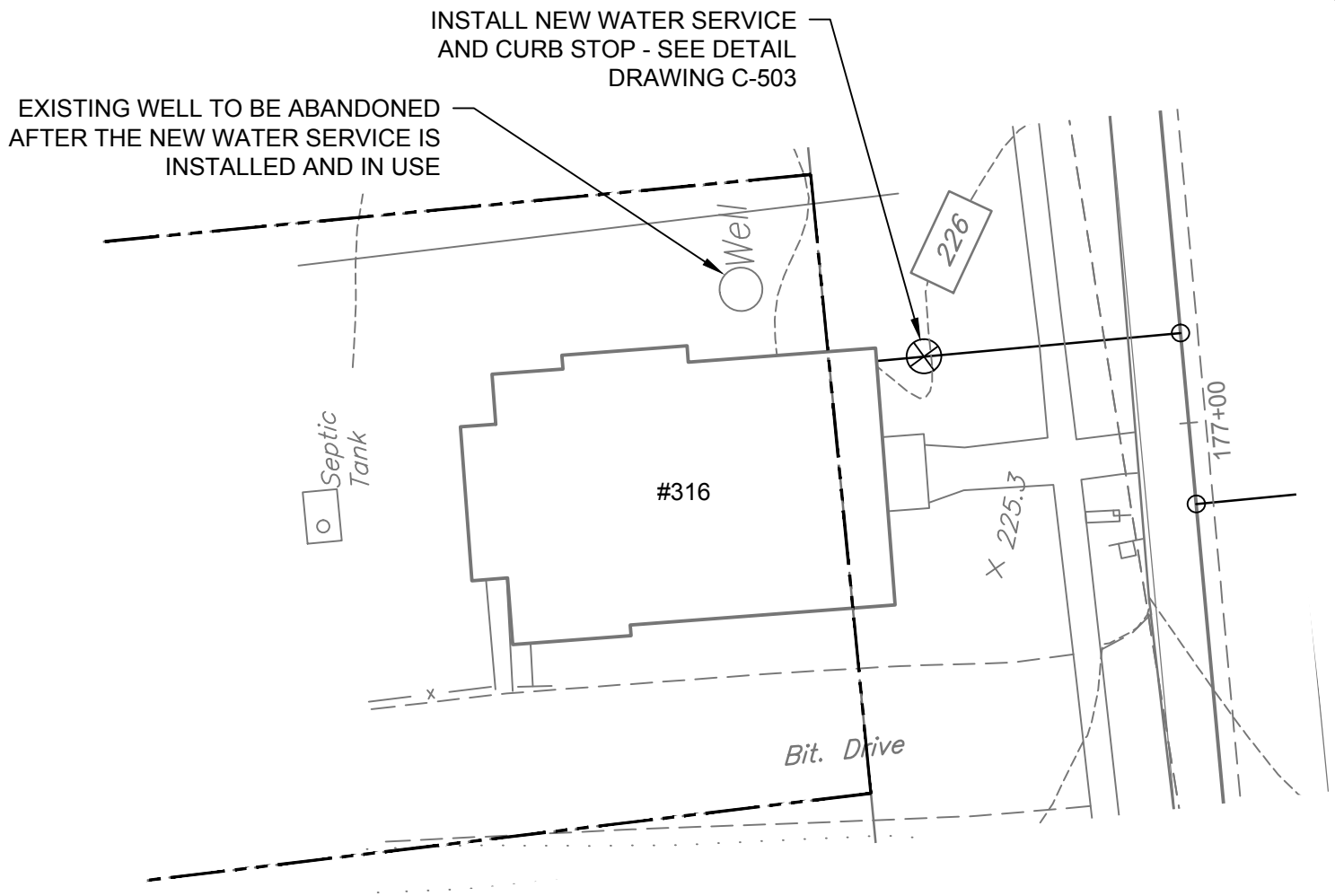
TOWN OF DURHAM
313 MAIN ST.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	313 Main St..dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

316 Main Street

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

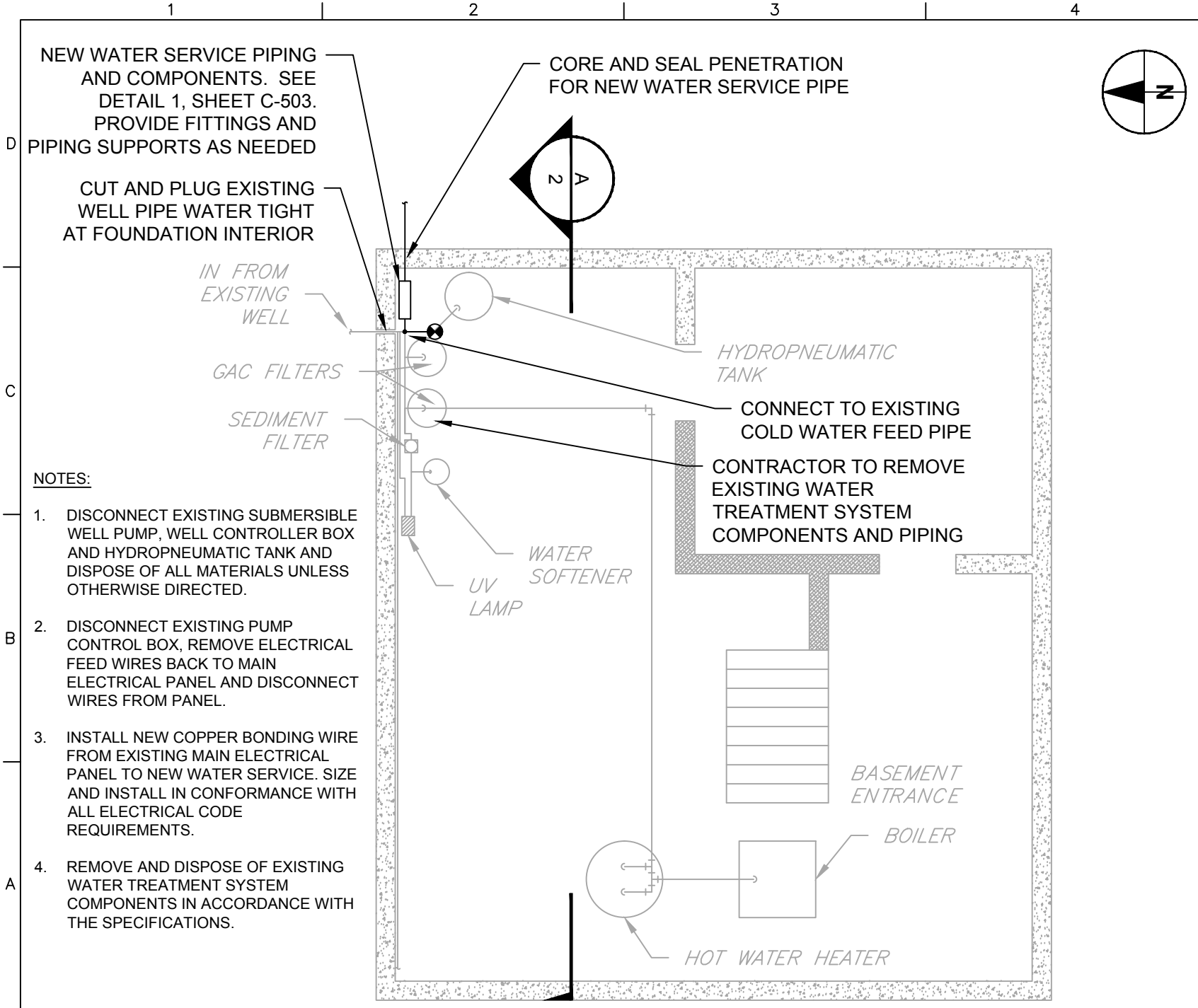
TOWN OF DURHAM
316 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-316MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
316 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

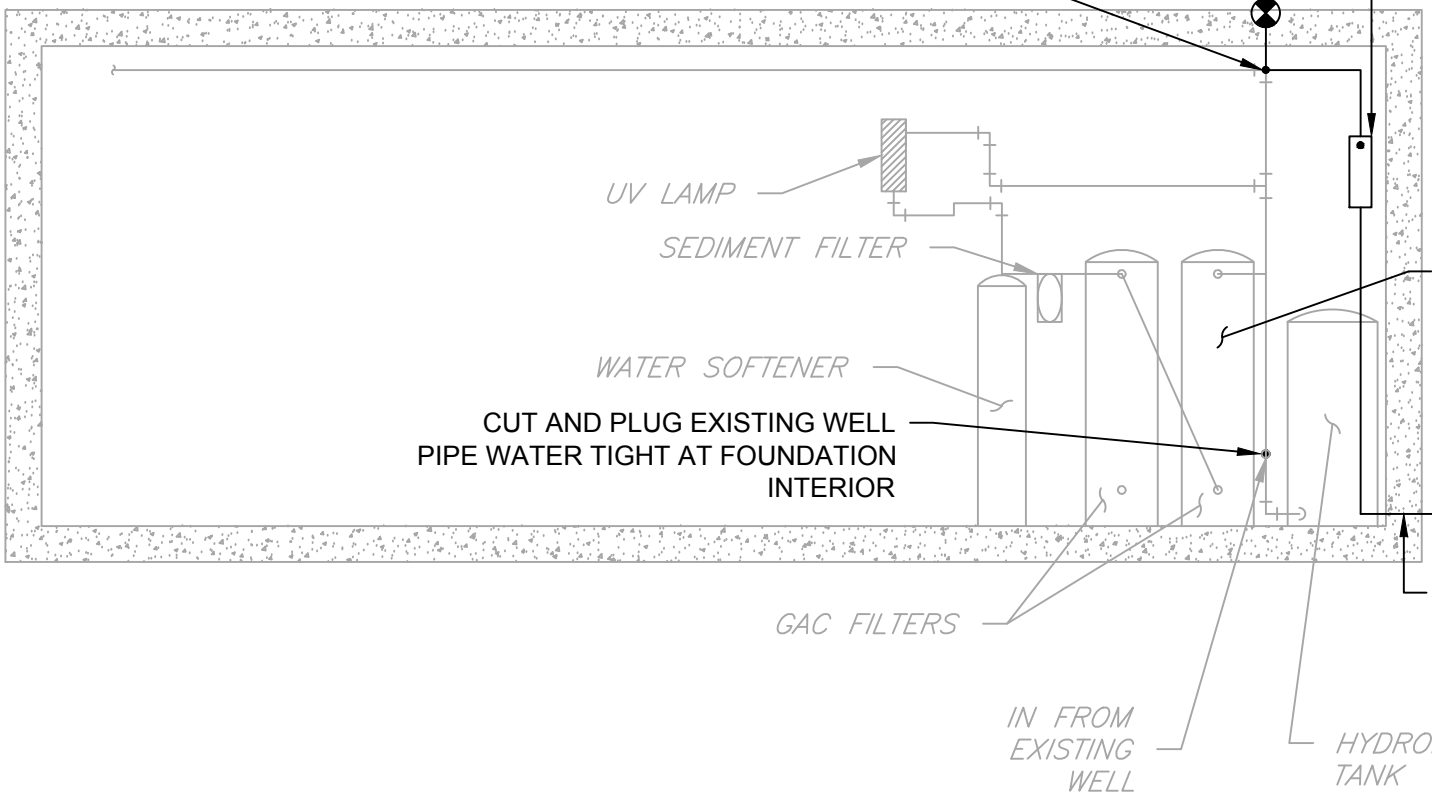
PROJECT NO:	60275749
CAD FILE:	316 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NORTH VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
316 MAIN ST.

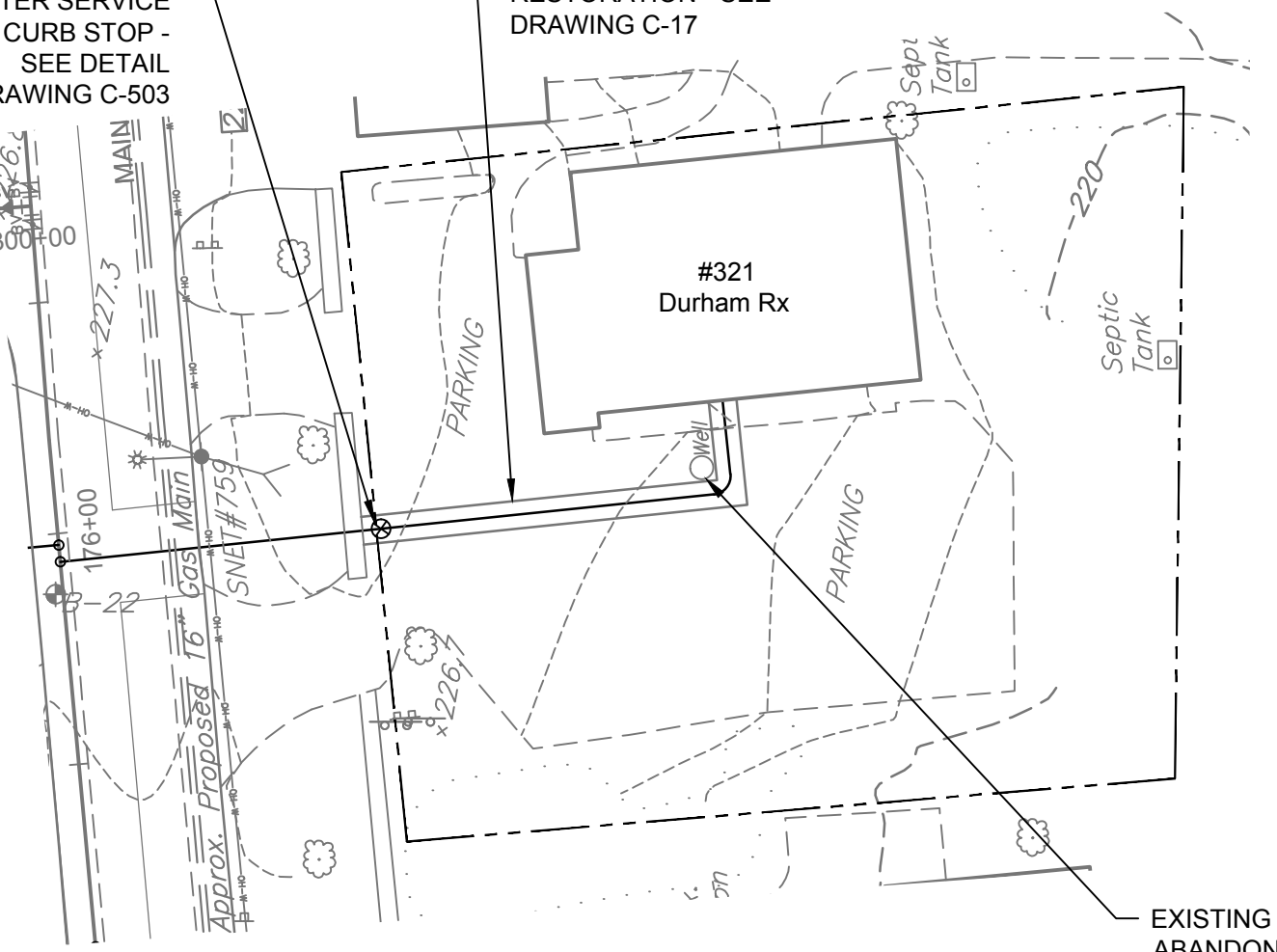
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	316 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

321 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

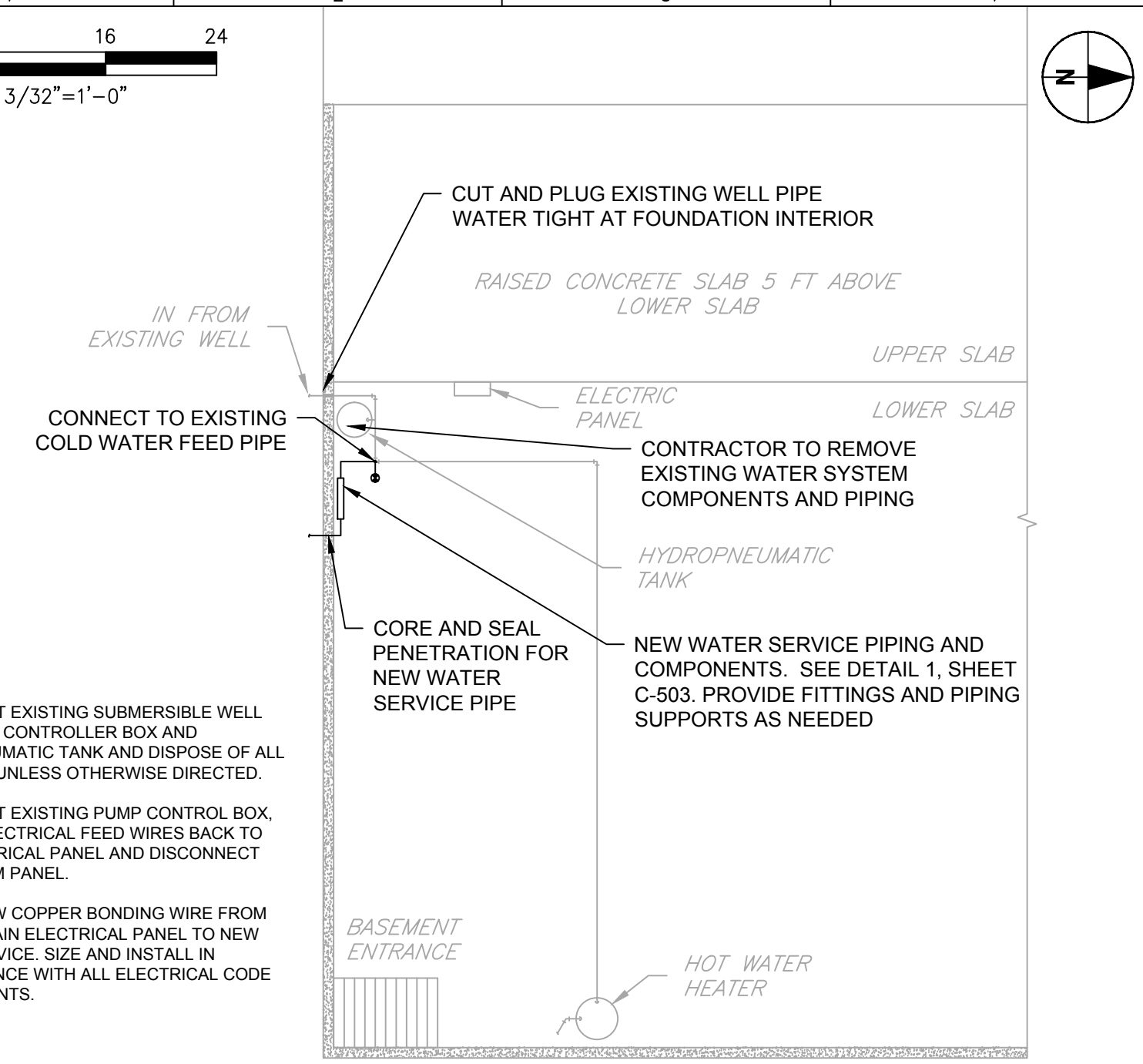
TOWN OF DURHAM
321 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-321MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16 24

SCALE: 3/32"=1'-0"



NOTES:

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AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

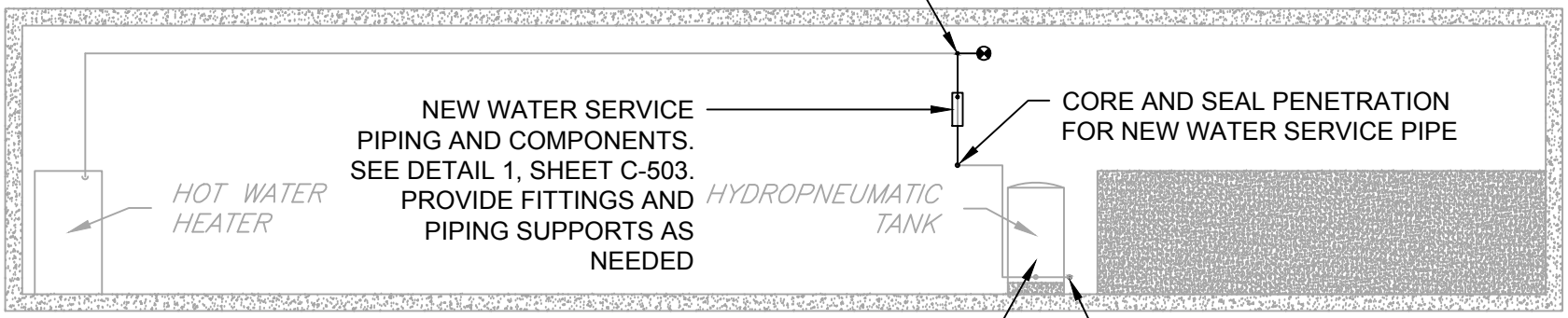
TOWN OF DURHAM
321 MAIN ST. - Durham Rx

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	321 Main St Durham Rx.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{32}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 8 16

SCALE: 1/8"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

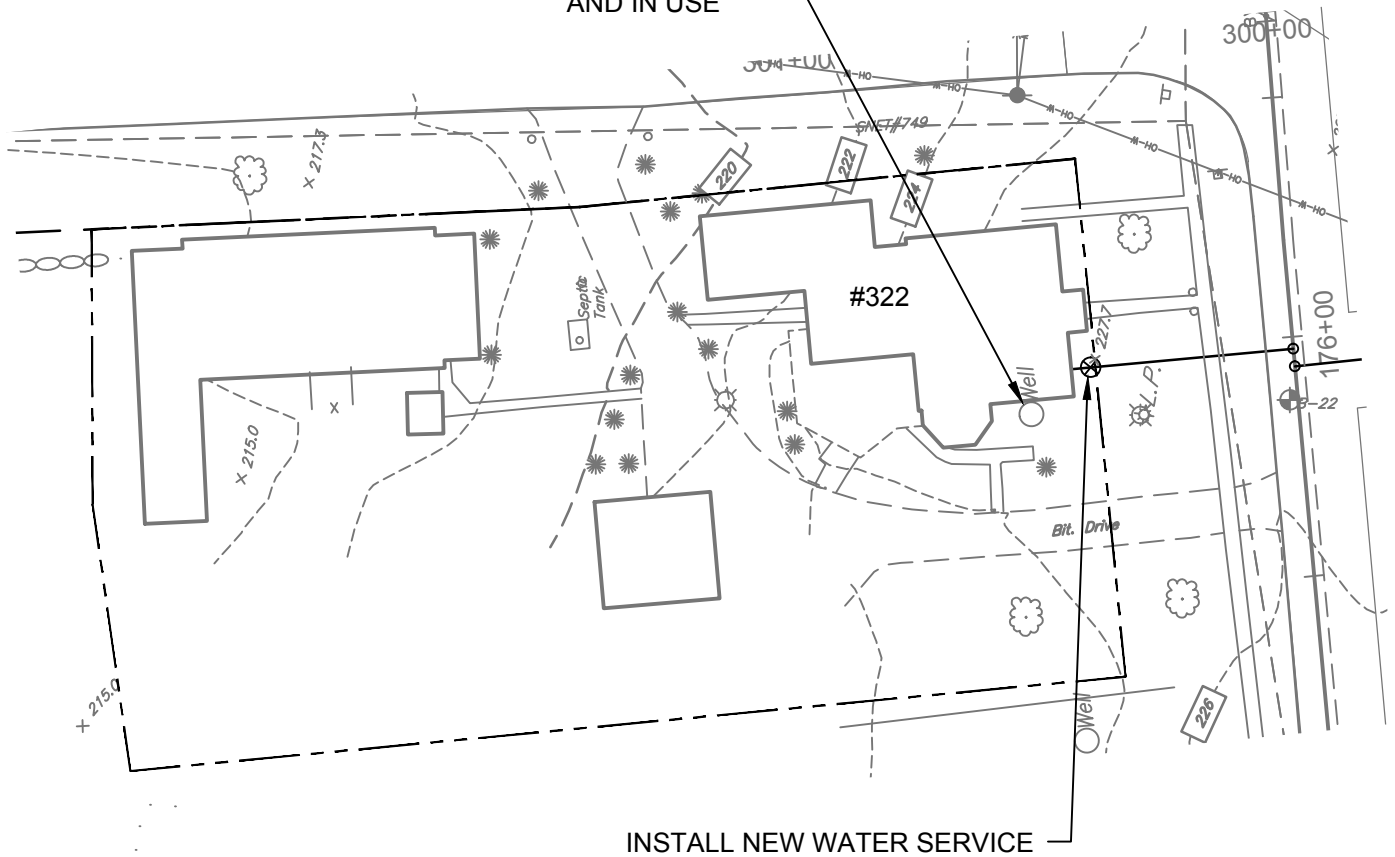
TOWN OF DURHAM
321 MAIN ST. - Durham Rx
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	321 Main St Durham Rx.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	3 OF 3

322 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
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AECOM, INC.
500 ENTERPRISE DRIVE
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

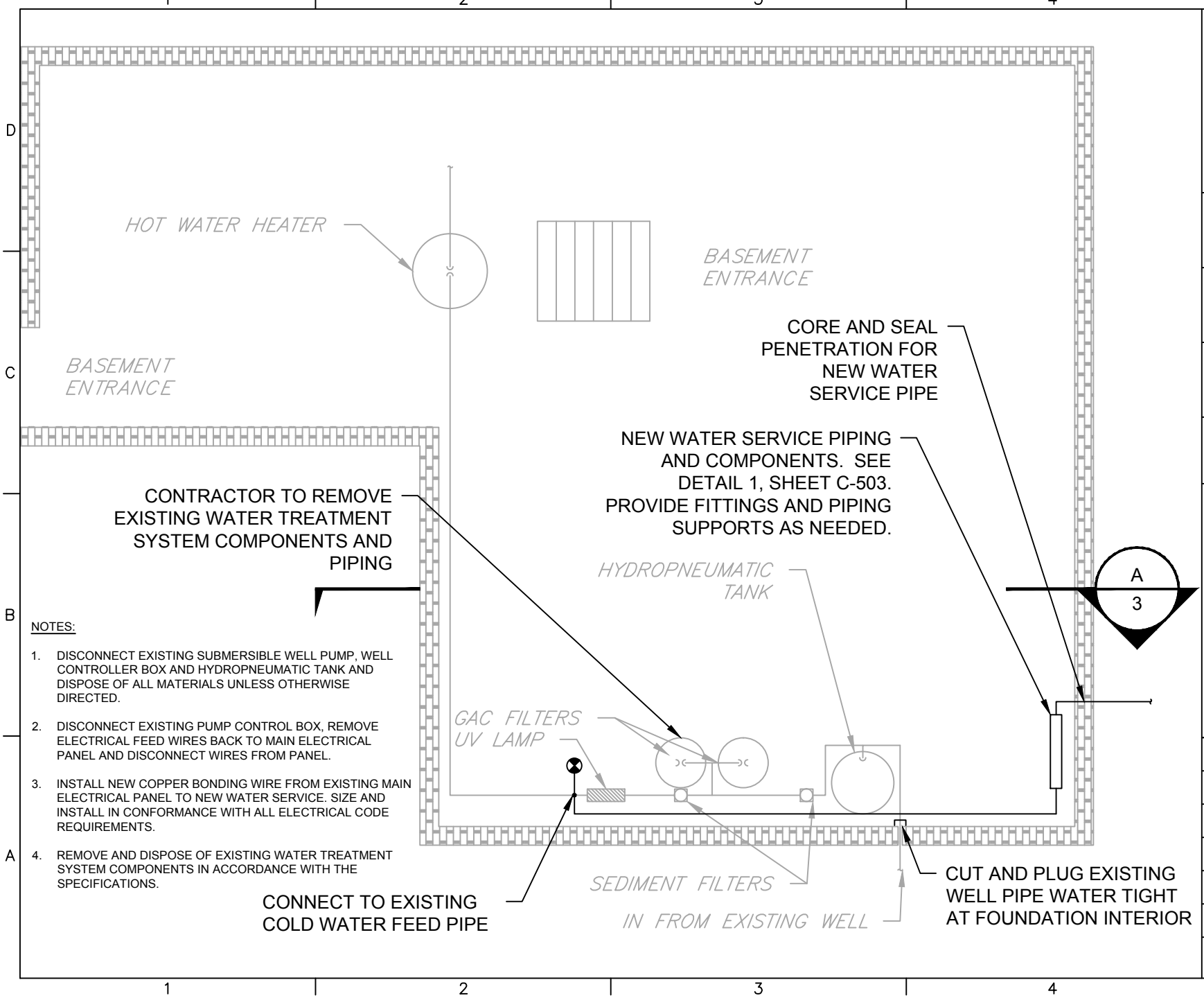
TOWN OF DURHAM
322 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-322MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
322 MAIN ST.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

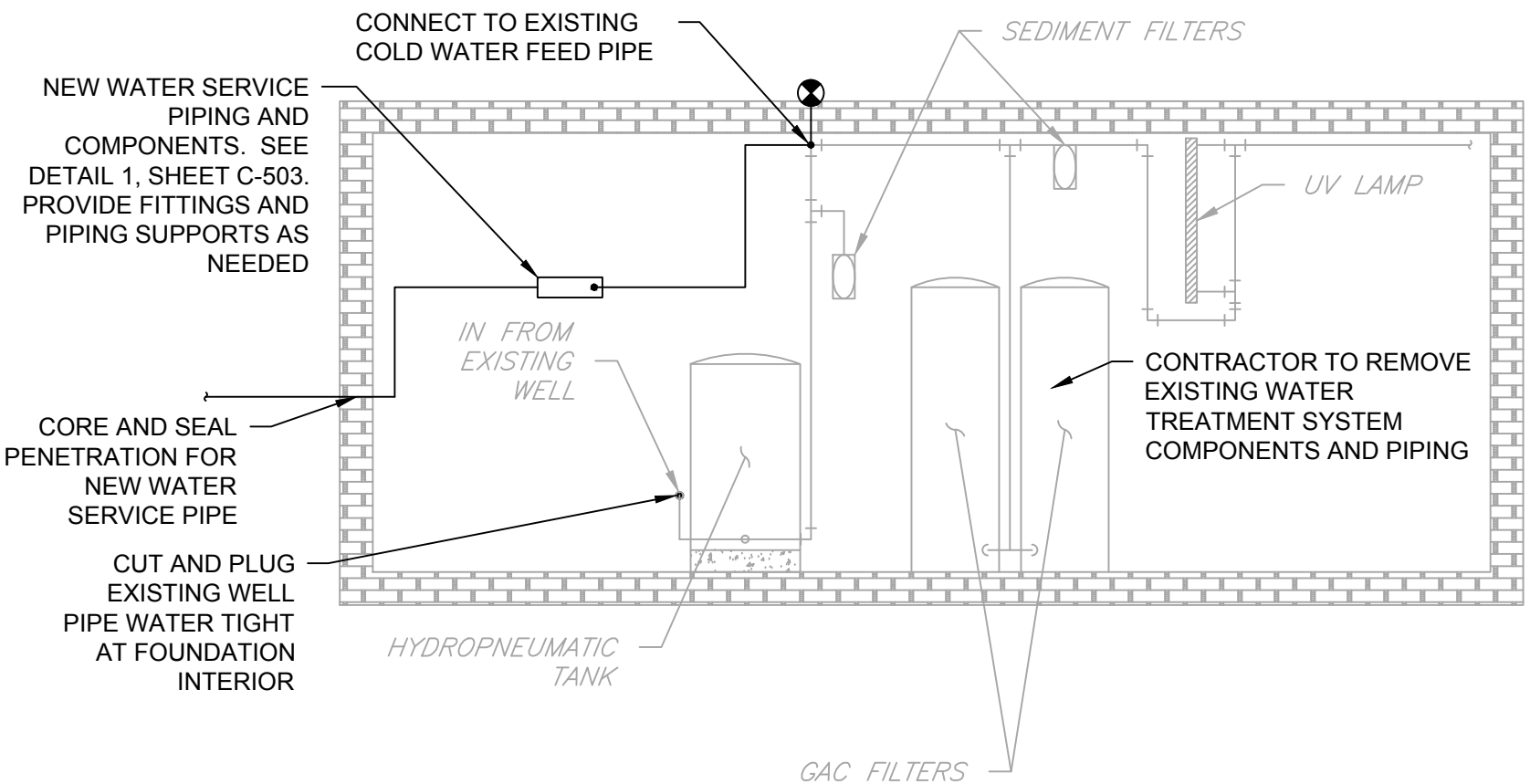
PROJECT NO:	60275749
CAD FILE:	322 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

SOUTH VIEW



A/2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
322 MAIN ST.

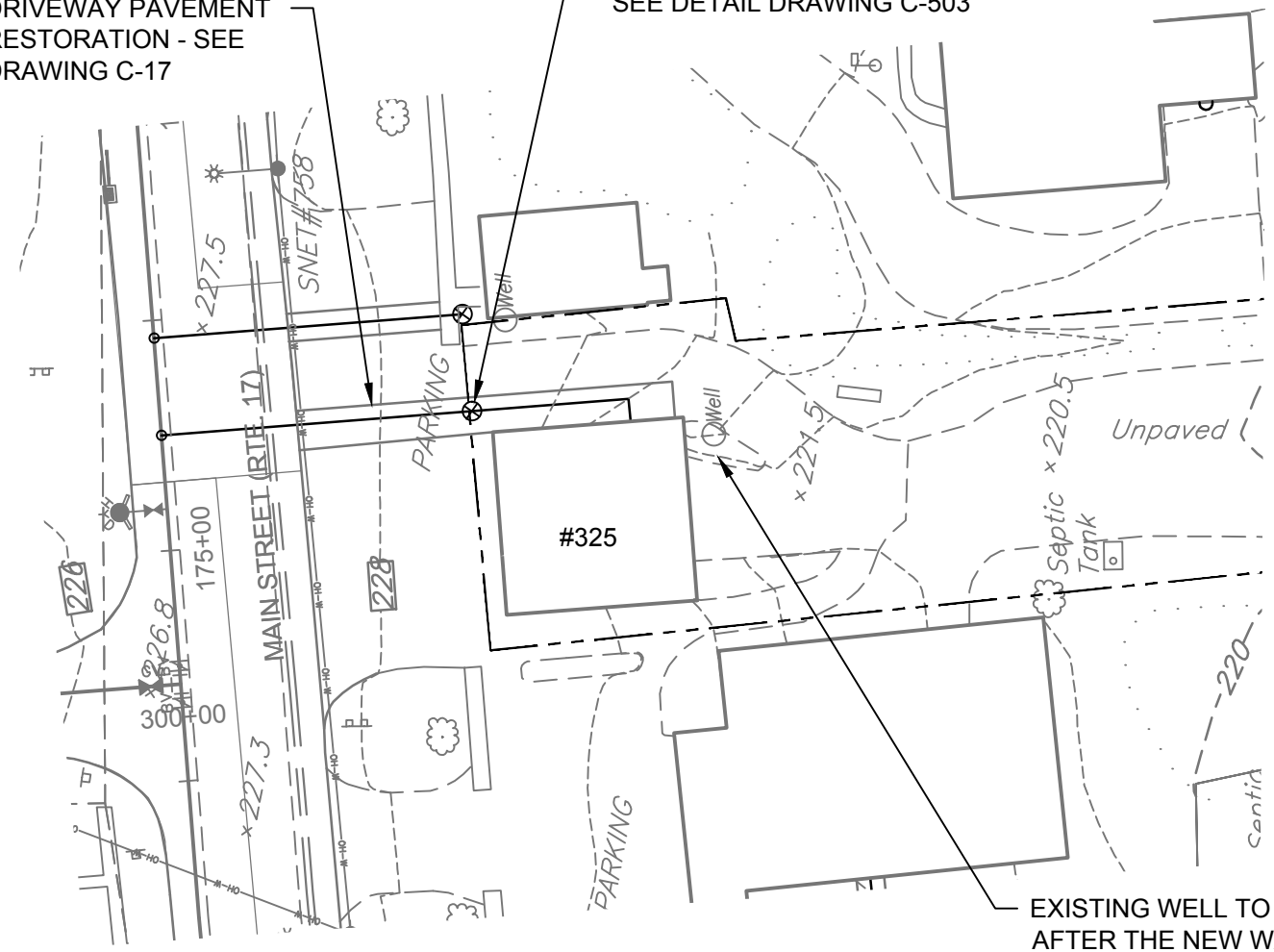
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	322 Main St.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

325 Main Street

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

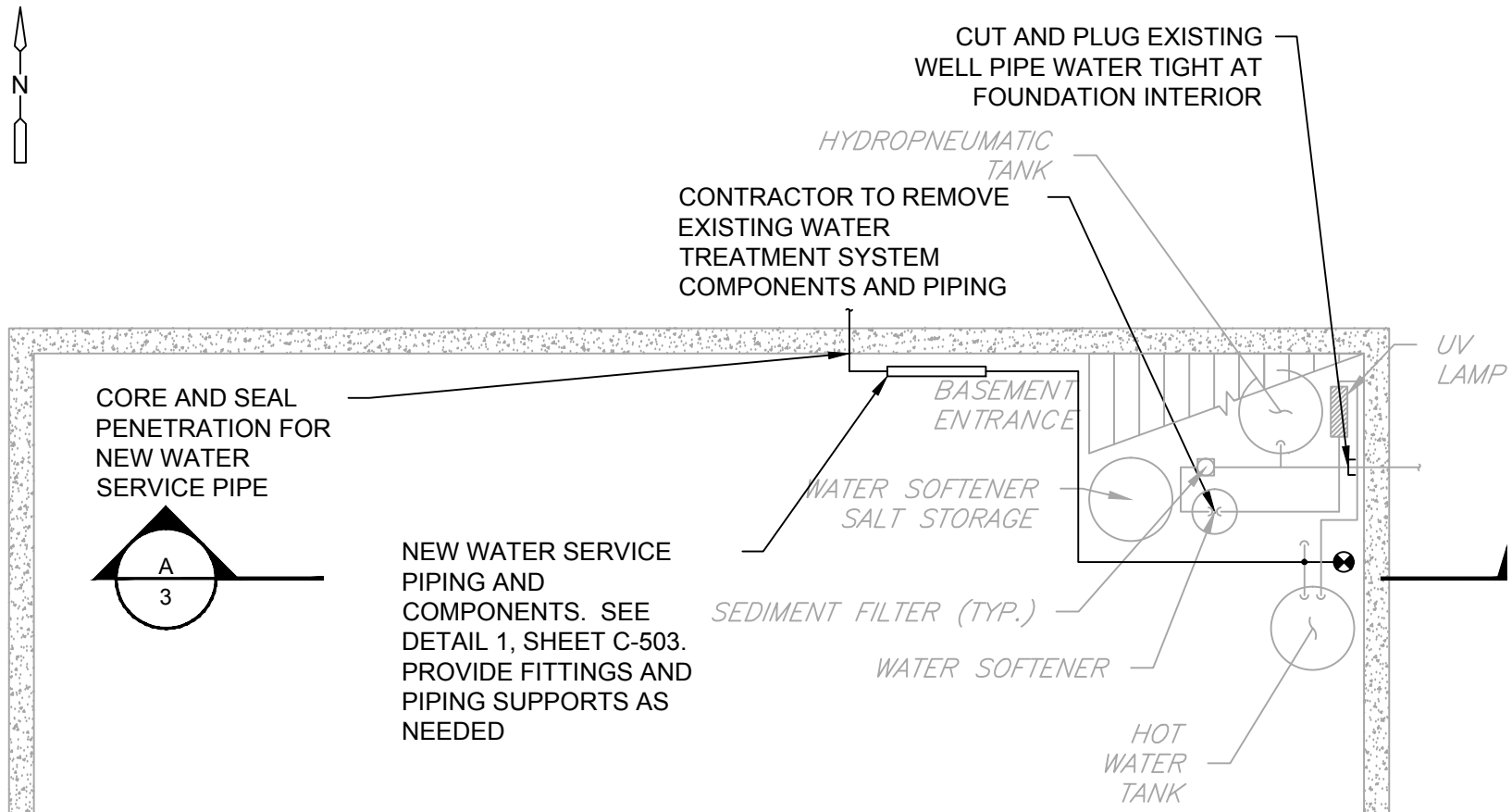
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
325 MAIN ST.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-325MAIN.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

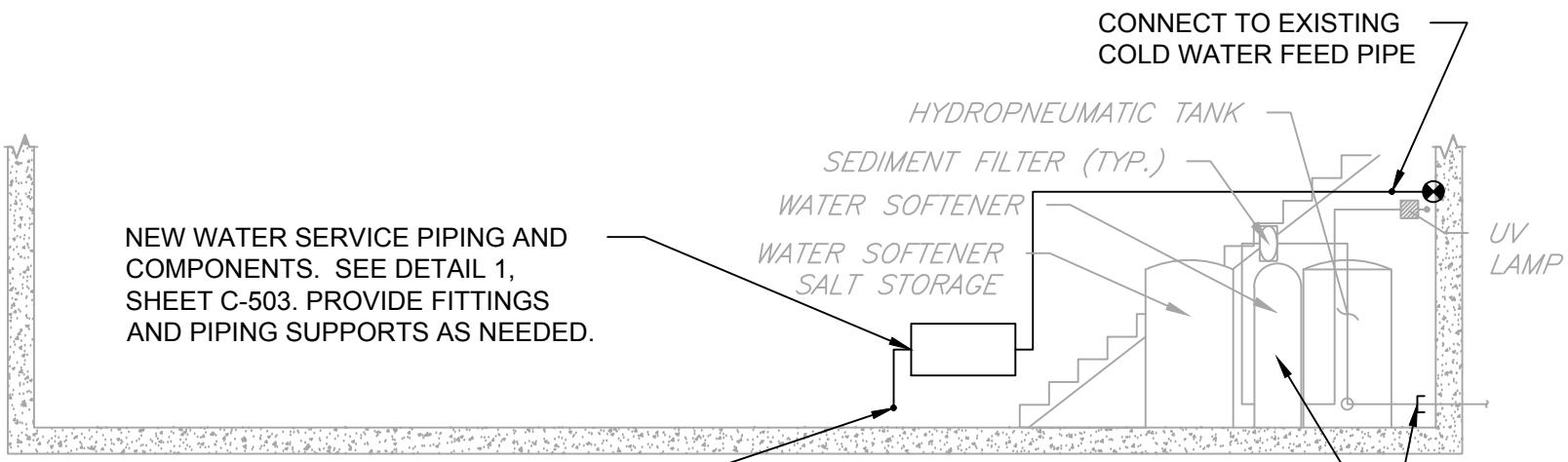
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
325 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	325 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
3

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

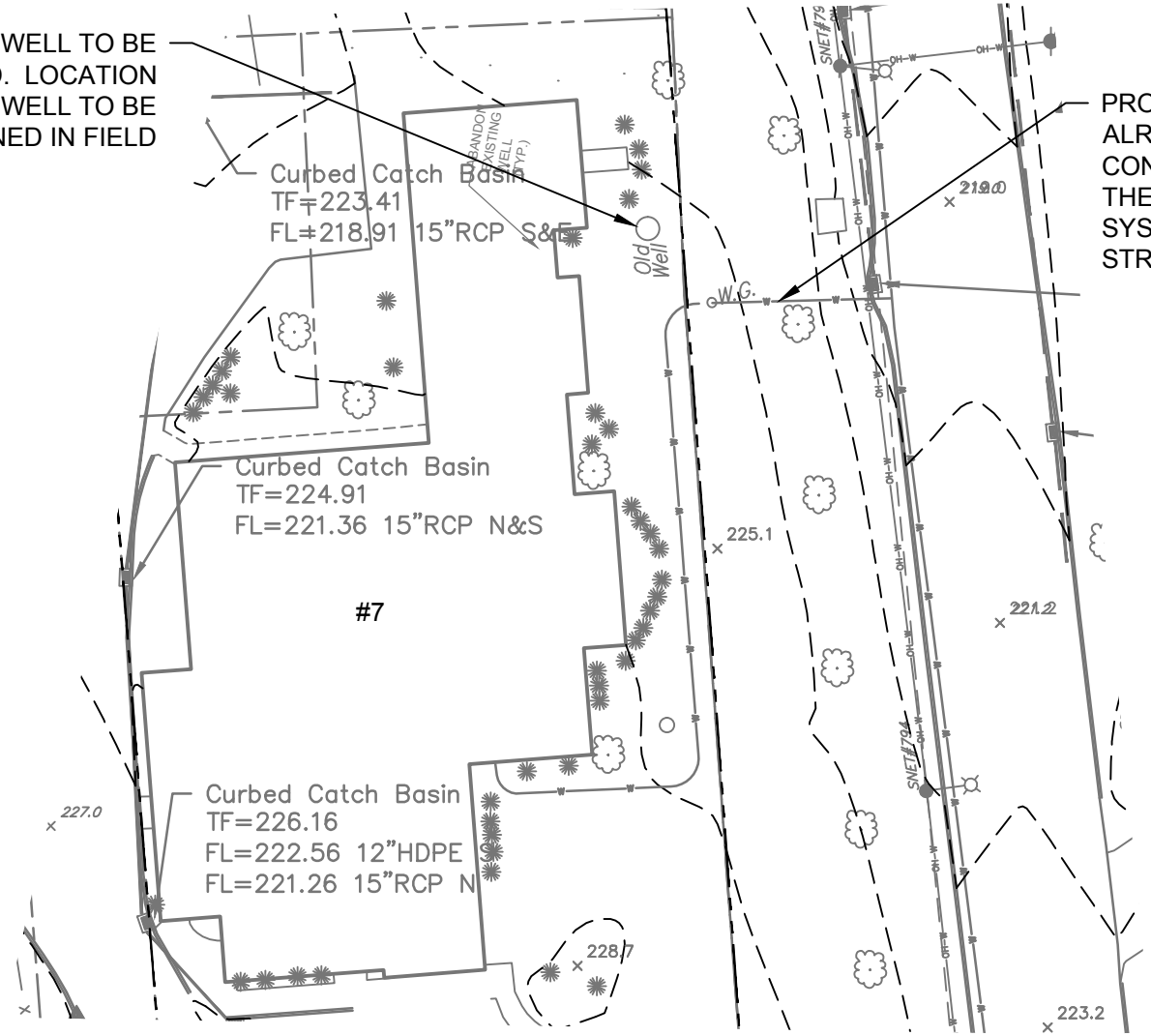
TOWN OF DURHAM
325 MAIN STREET
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	325 Main Street.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	3 OF 3

7 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

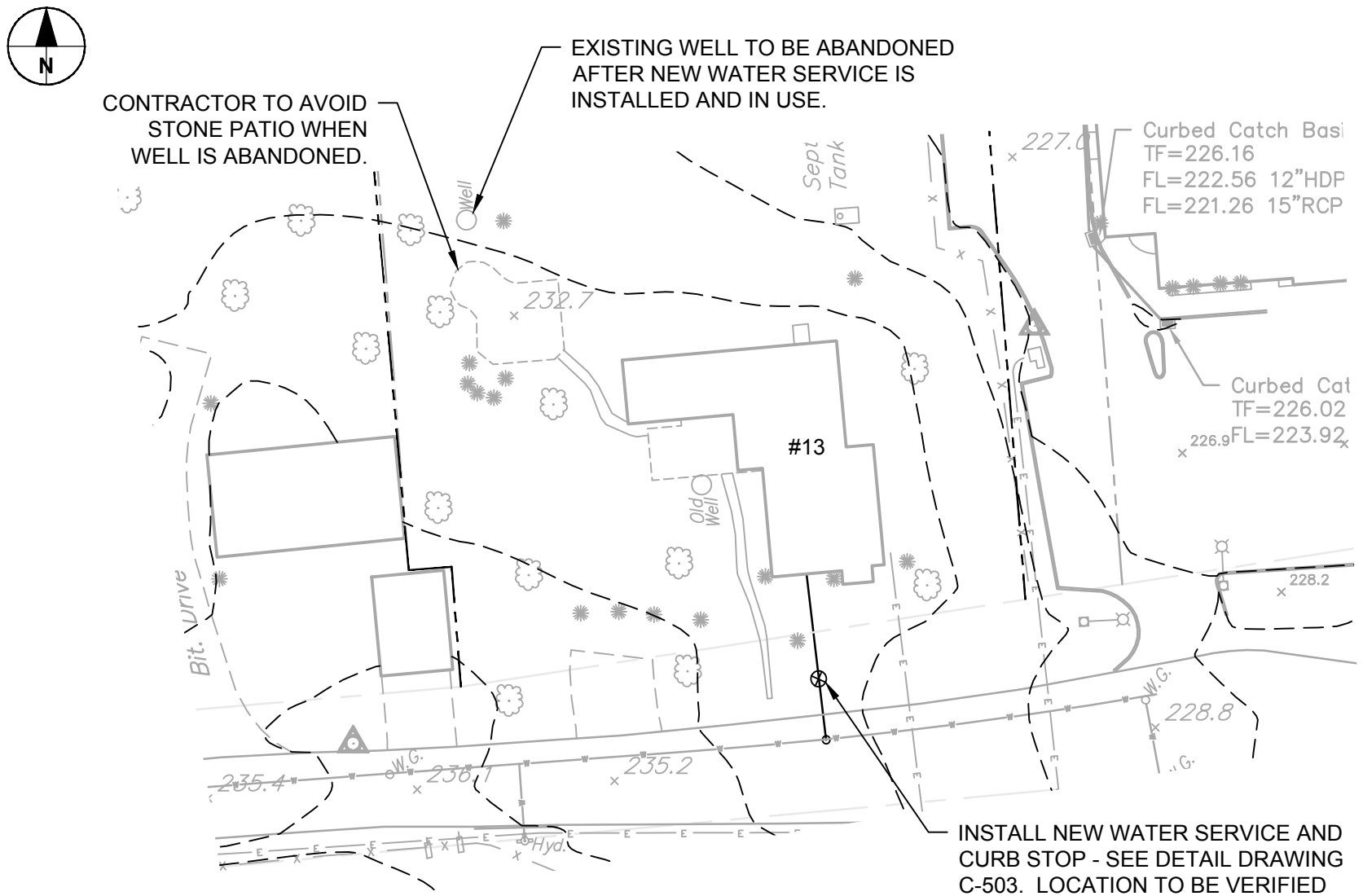
TOWN OF DURHAM
7 MAPLE AVE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-7MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

13 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

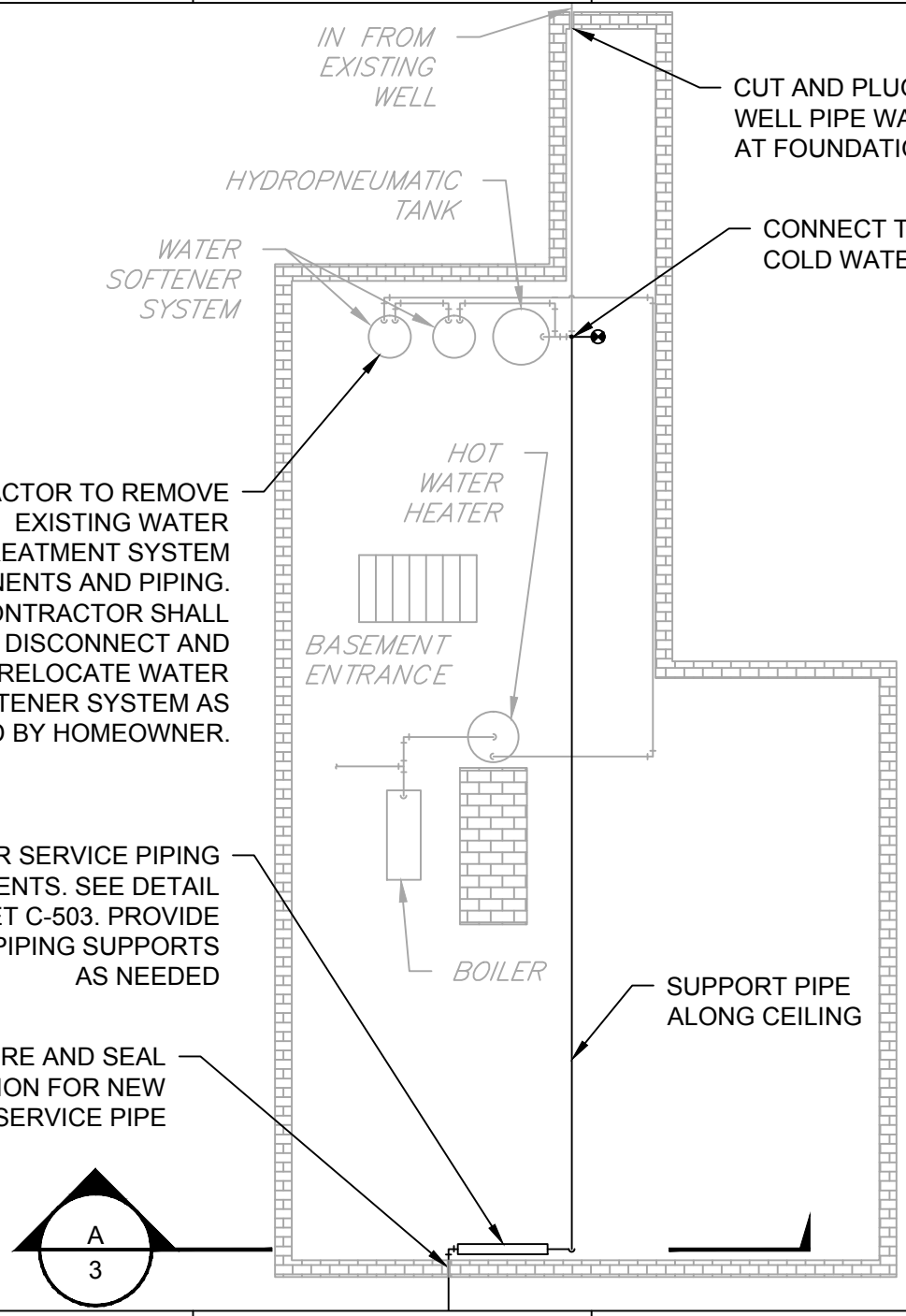
TOWN OF DURHAM
13 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-13MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"



N

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1	

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

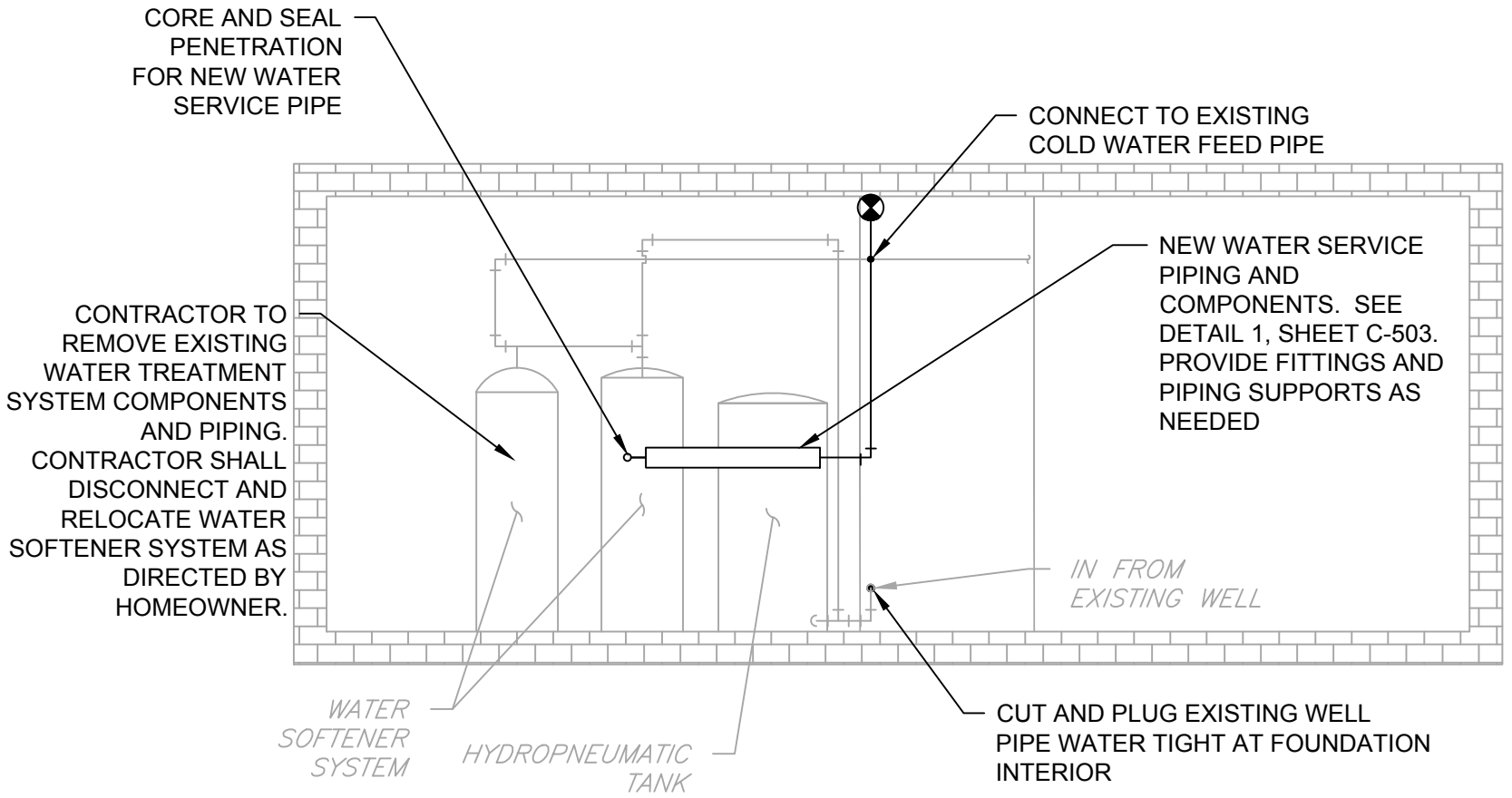
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
13 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	13 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

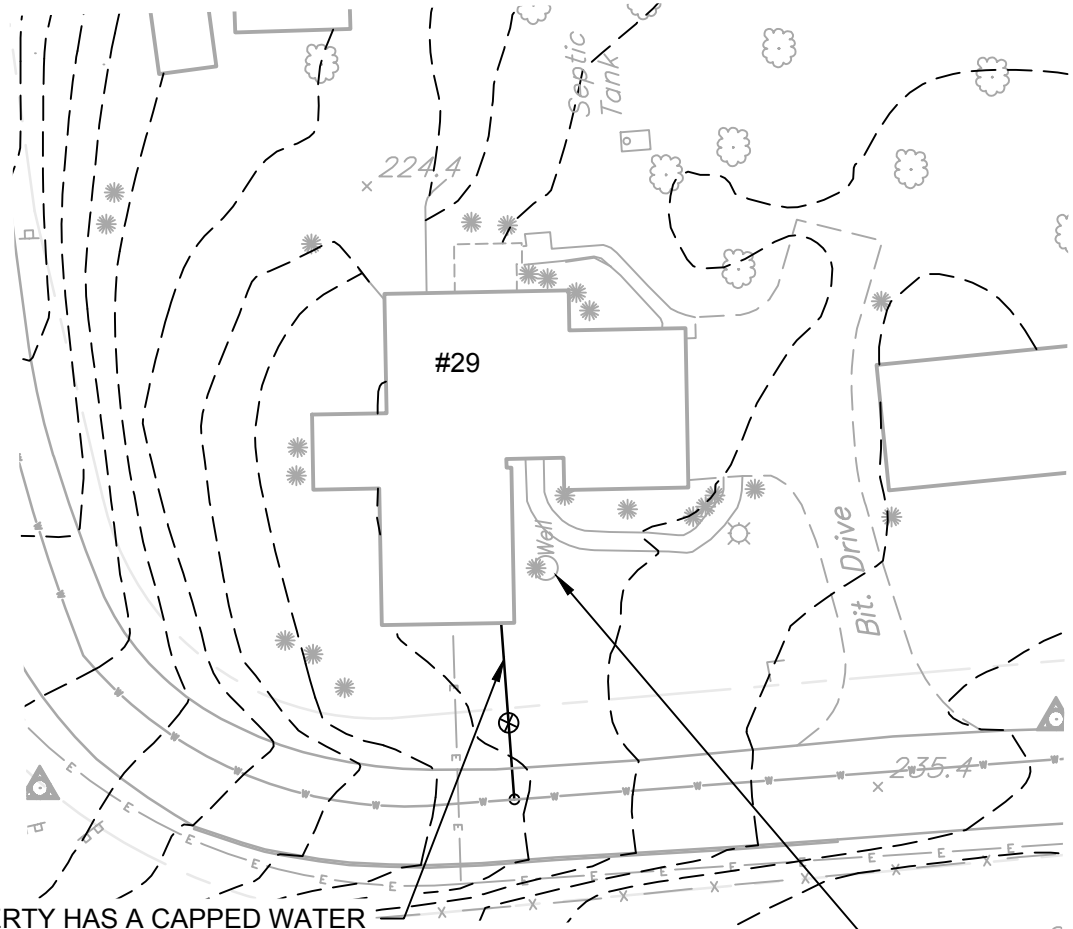
TOWN OF DURHAM
13 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	13 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

29 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



PROPERTY HAS A CAPPED WATER CONNECTION ON THE SOUTH SIDE OF THE PROPERTY. EXTEND WATER SERVICE FROM THE EXISTING WATER SERVICE - SEE DETAIL DRAWING C-503

EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

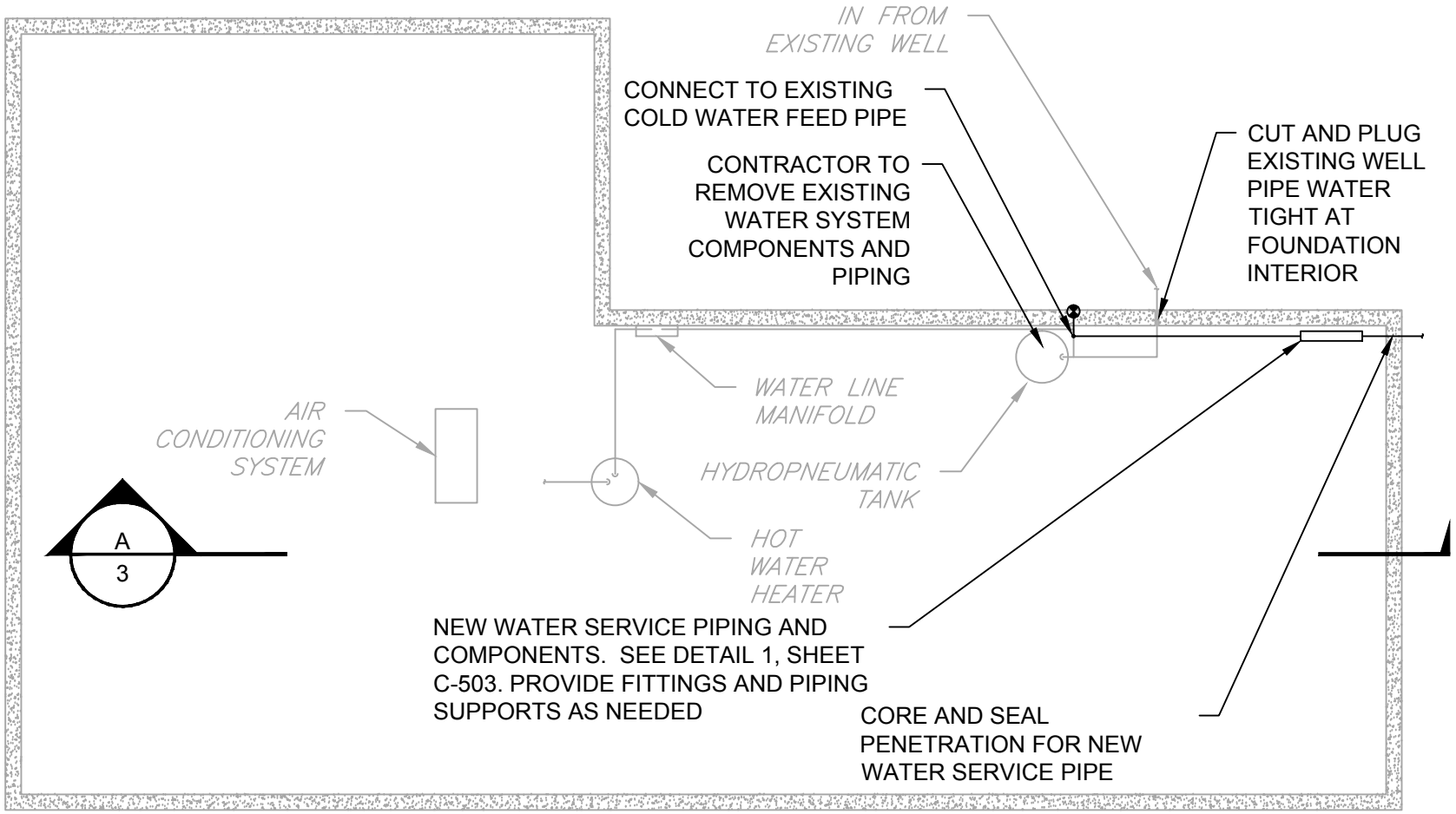
TOWN OF DURHAM
29 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-29MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS



0 8 16

SCALE: 1/8"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

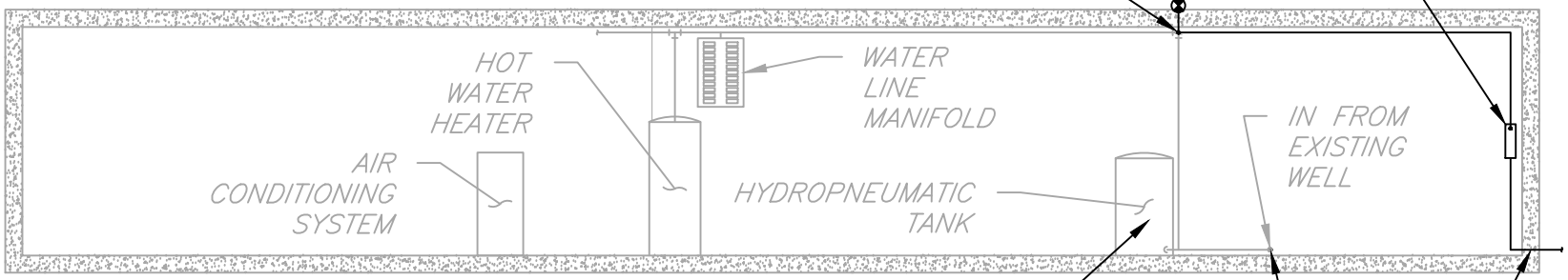
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
29 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	29 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	1 OF 2

PLOTTED: 23-Jan-18

EAST VIEW



NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

CONNECT TO EXISTING COLD WATER FEED PIPE

A
2

SECTION A-A

CONTRACTOR TO REMOVE EXISTING WATER SYSTEM COMPONENTS AND PIPING

CUT AND PLUG EXISTING WELL PIPE WATER TIGHT AT FOUNDATION INTERIOR

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

0 8 16

SCALE: 1/8"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

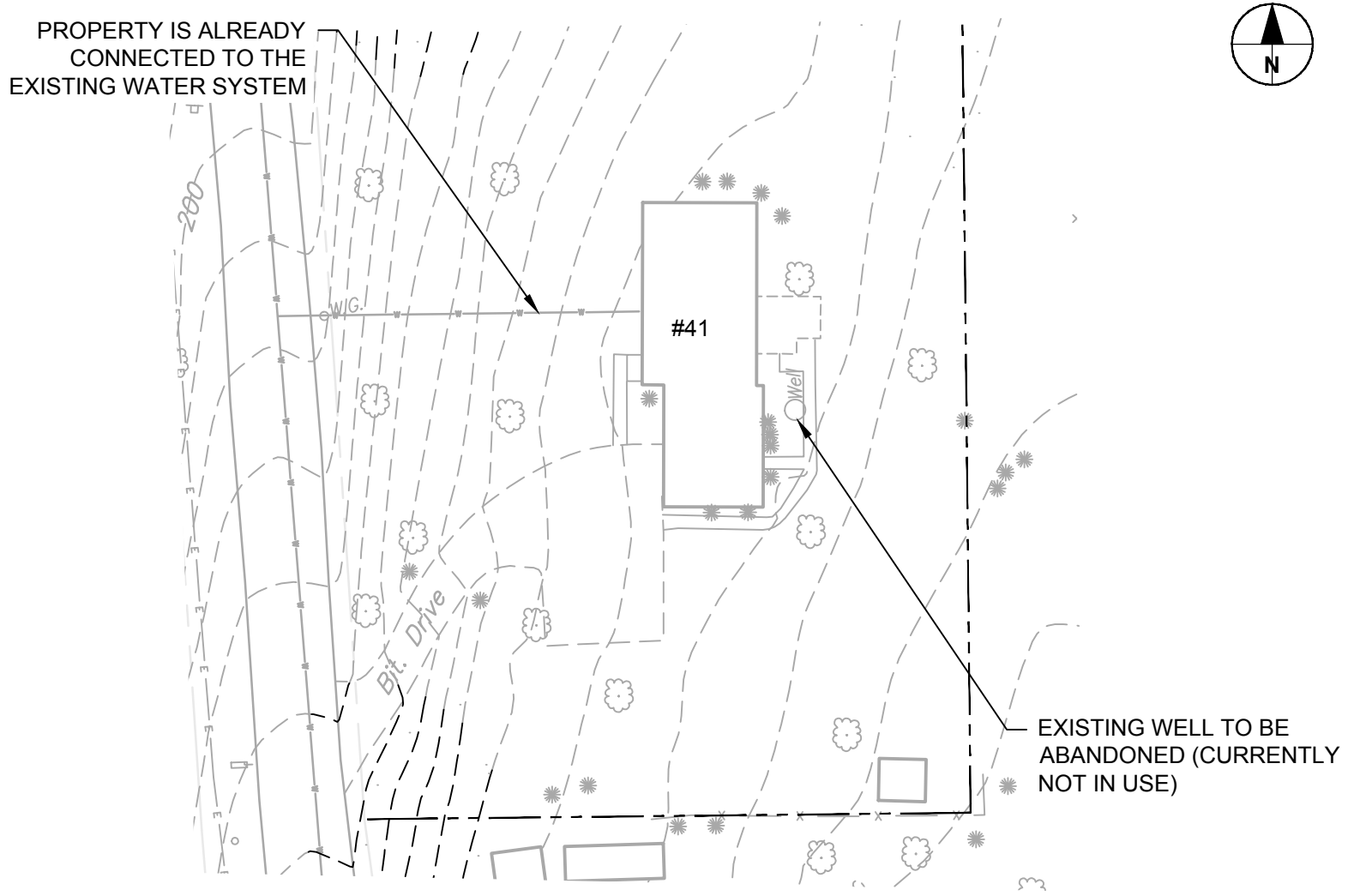
TOWN OF DURHAM
29 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	29 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 2

41 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. IF IT STILL REMAINS, EXISTING WELL SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

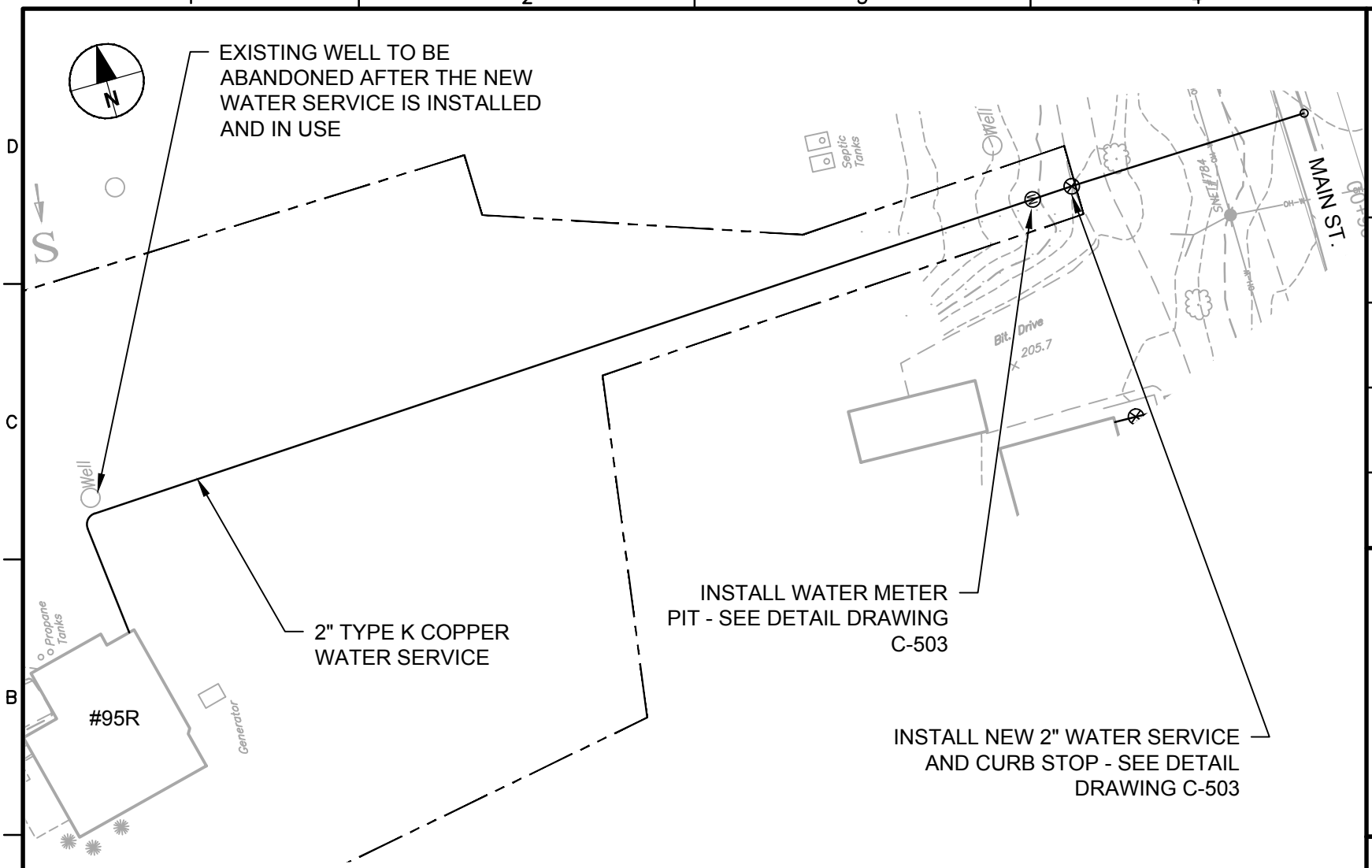
TOWN OF DURHAM
41 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-41MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

95R Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO LOCATE AND AVOID UNDERGROUND ELECTRICAL AND CABLE FROM MAIN STREET TO HOUSE.
2. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
3. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
4. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
5. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

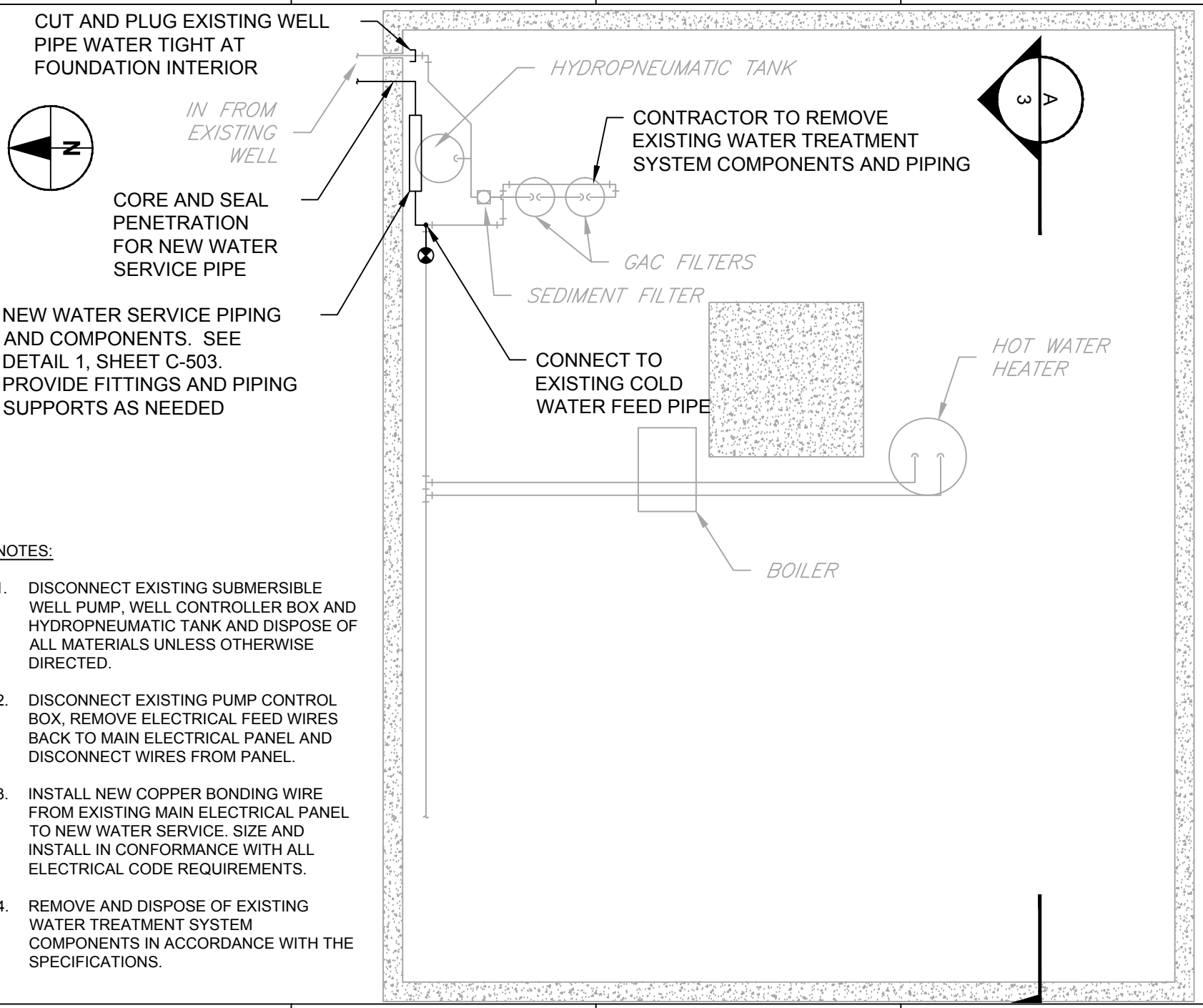
TOWN OF DURHAM
95R MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-95RMAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

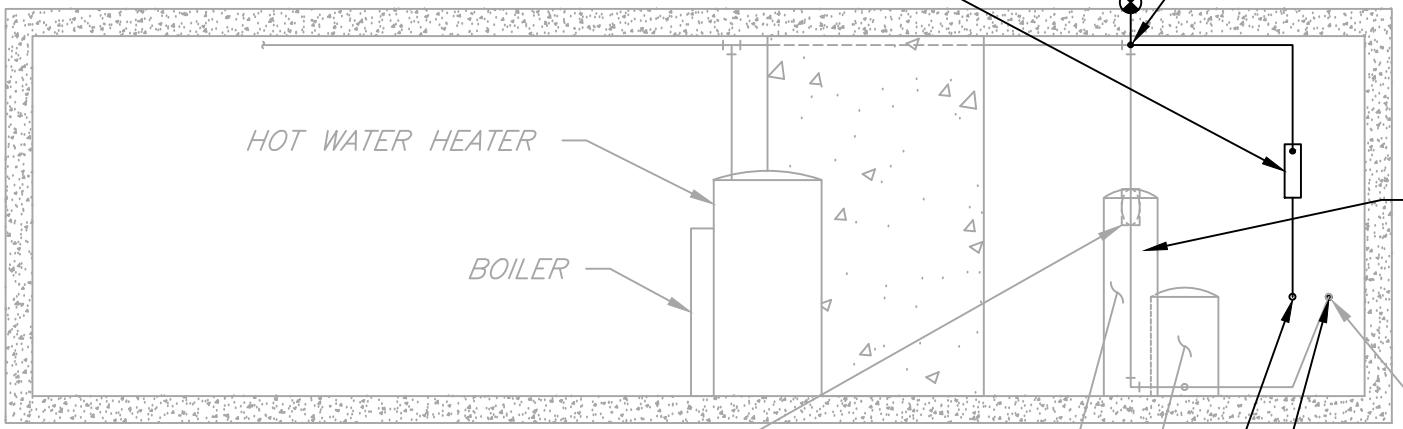
TOWN OF DURHAM
95R MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	95R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
95R MAPLE AVE.

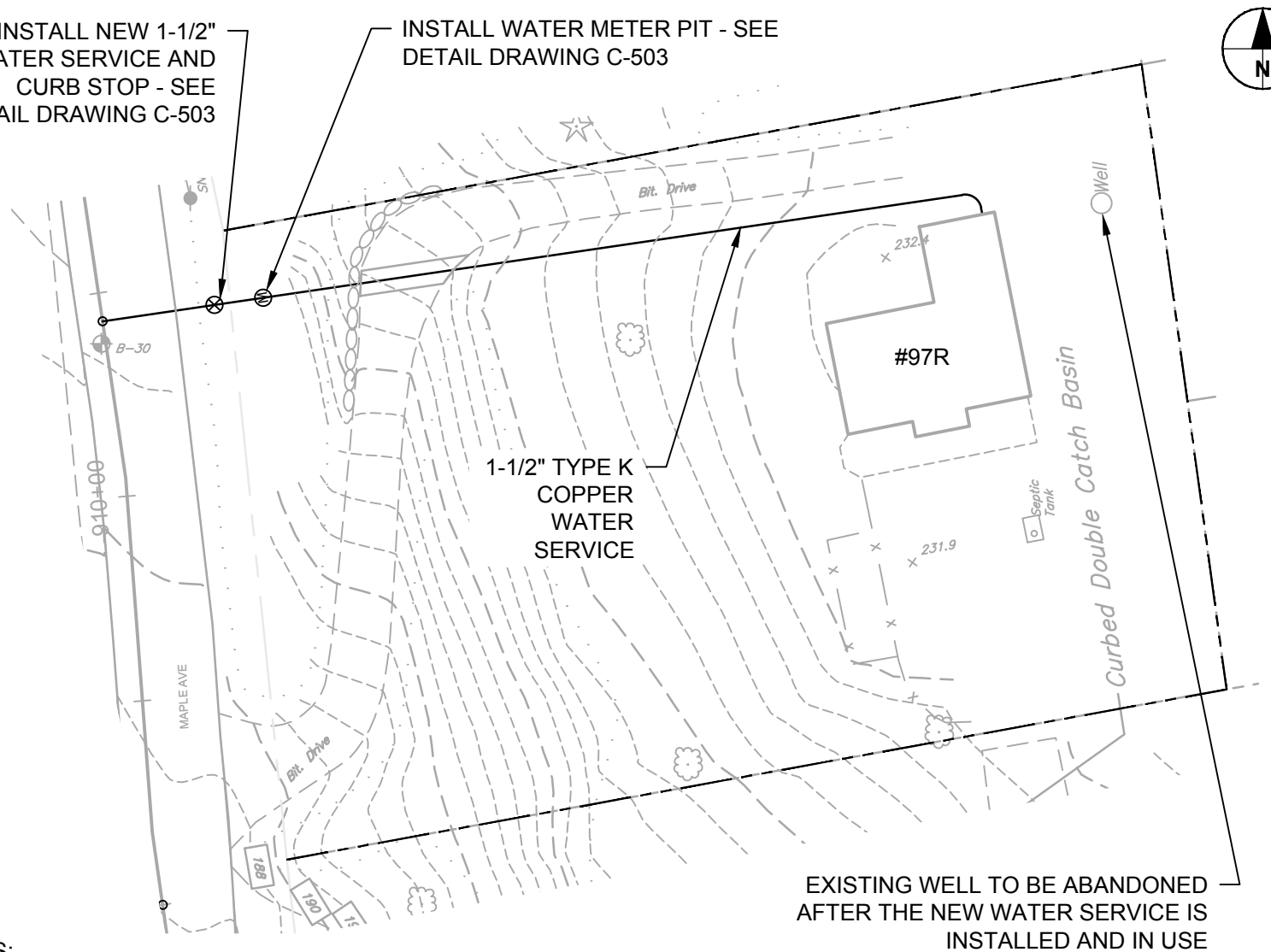
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	95R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

97R MAPLE AVENUE

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
97R MAPLE AVE.

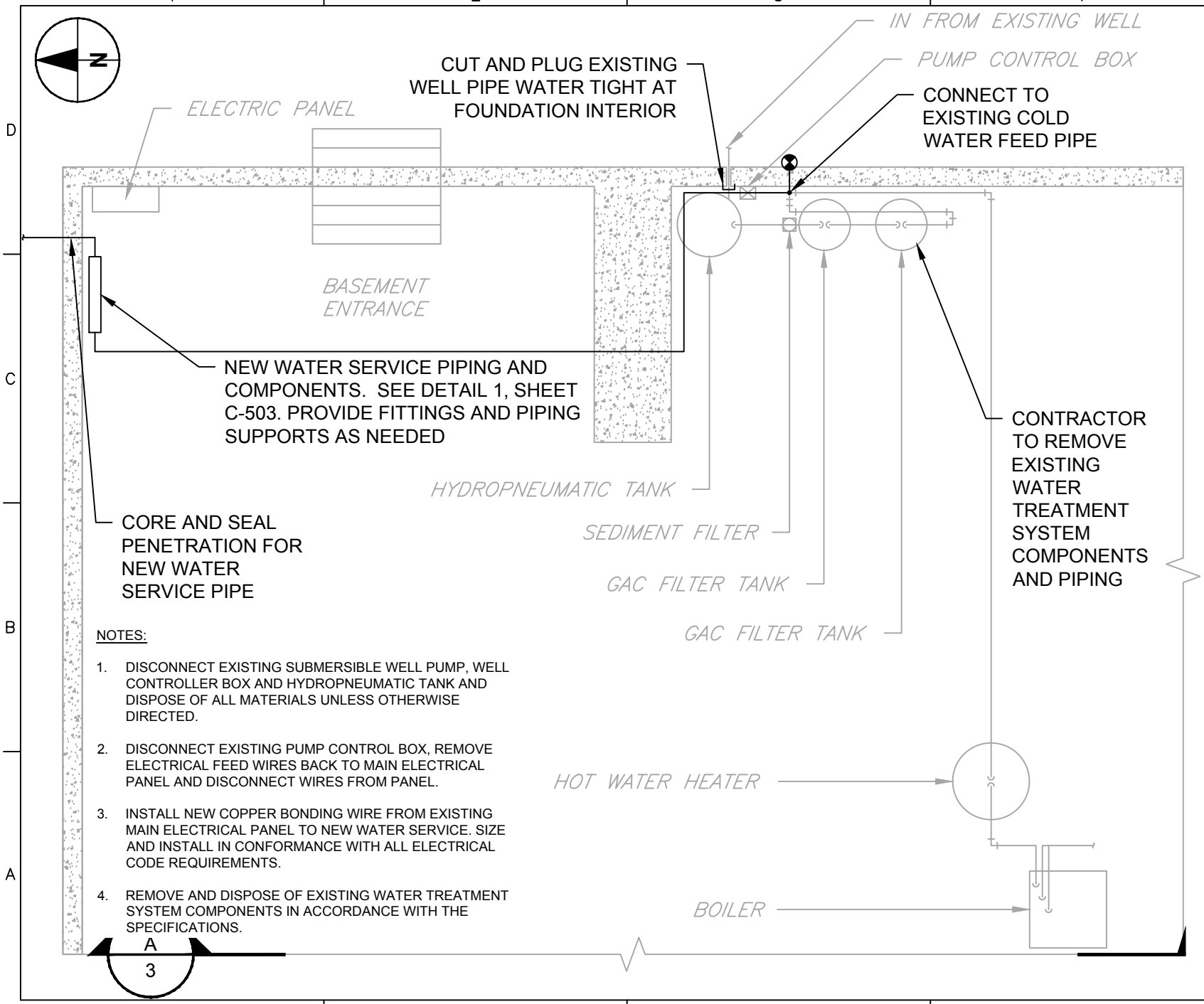
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-97RMAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

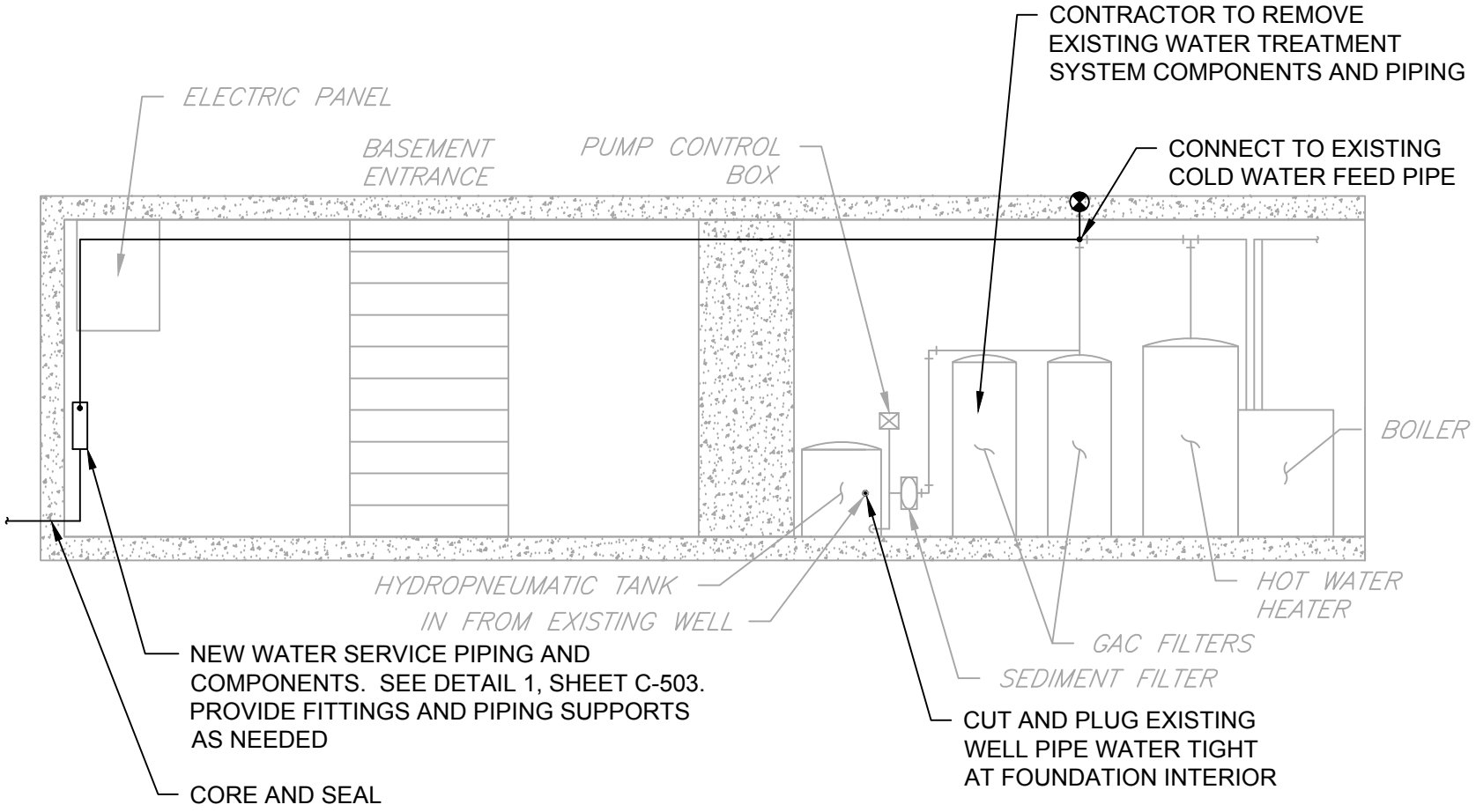
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
97R MAPLE AVENUE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	97R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW



SECTION A-A

A / 2

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

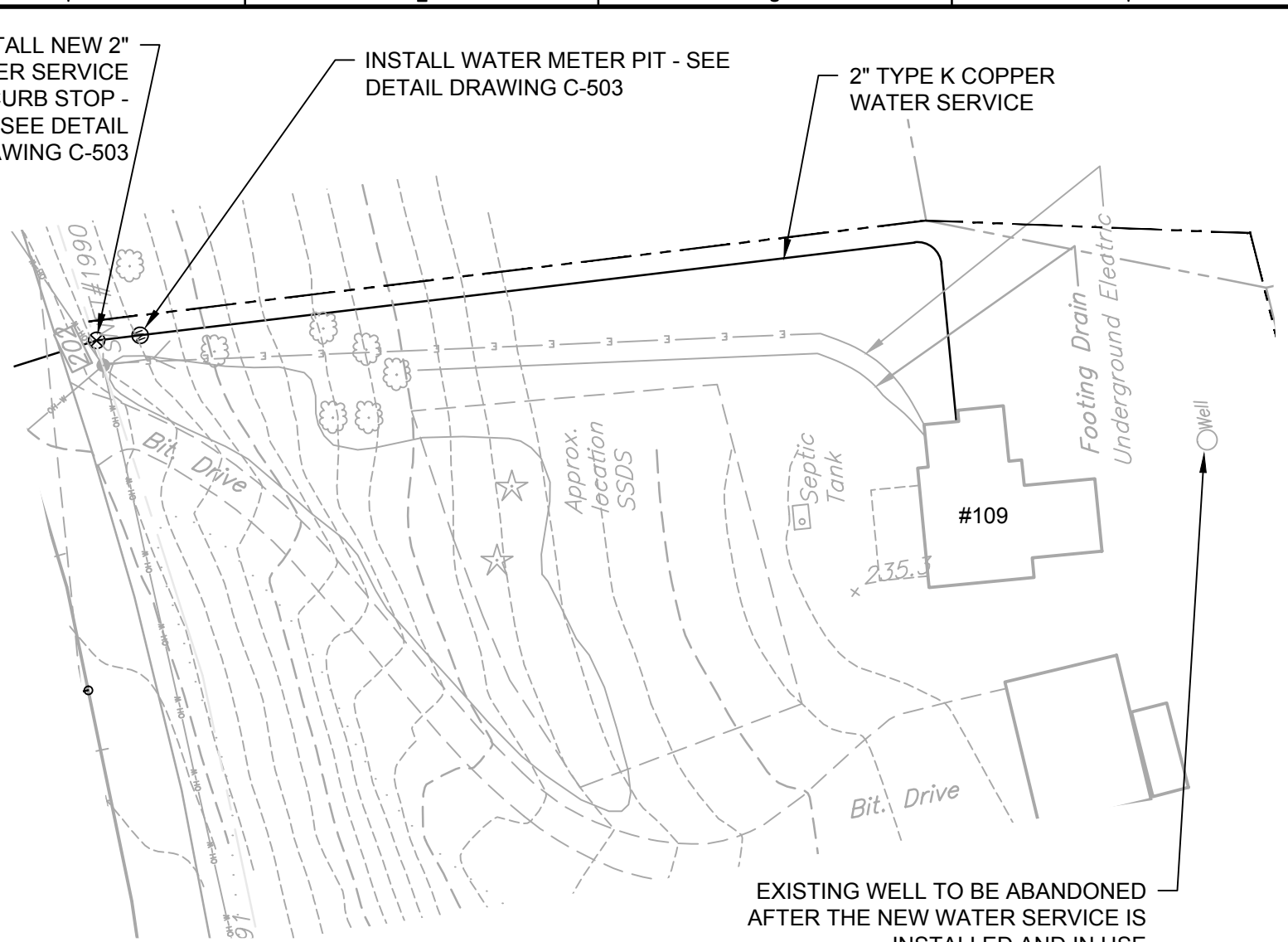
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
97R MAPLE AVENUE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	97R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

109 Maple Avenue

PLOTTED: 23-Jan-18



N

0 40' 80'

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSAL OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

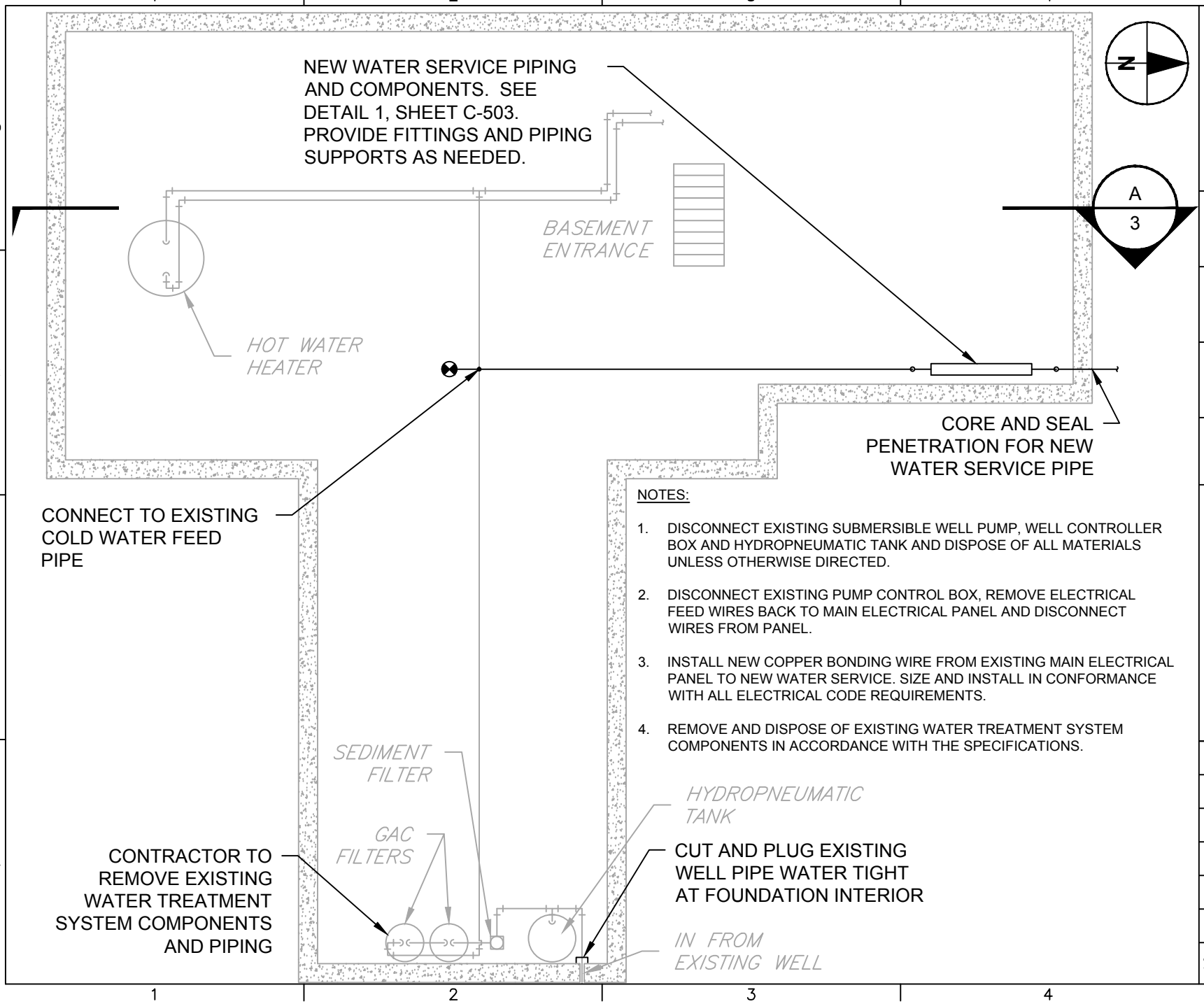
TOWN OF DURHAM
109 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-109MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

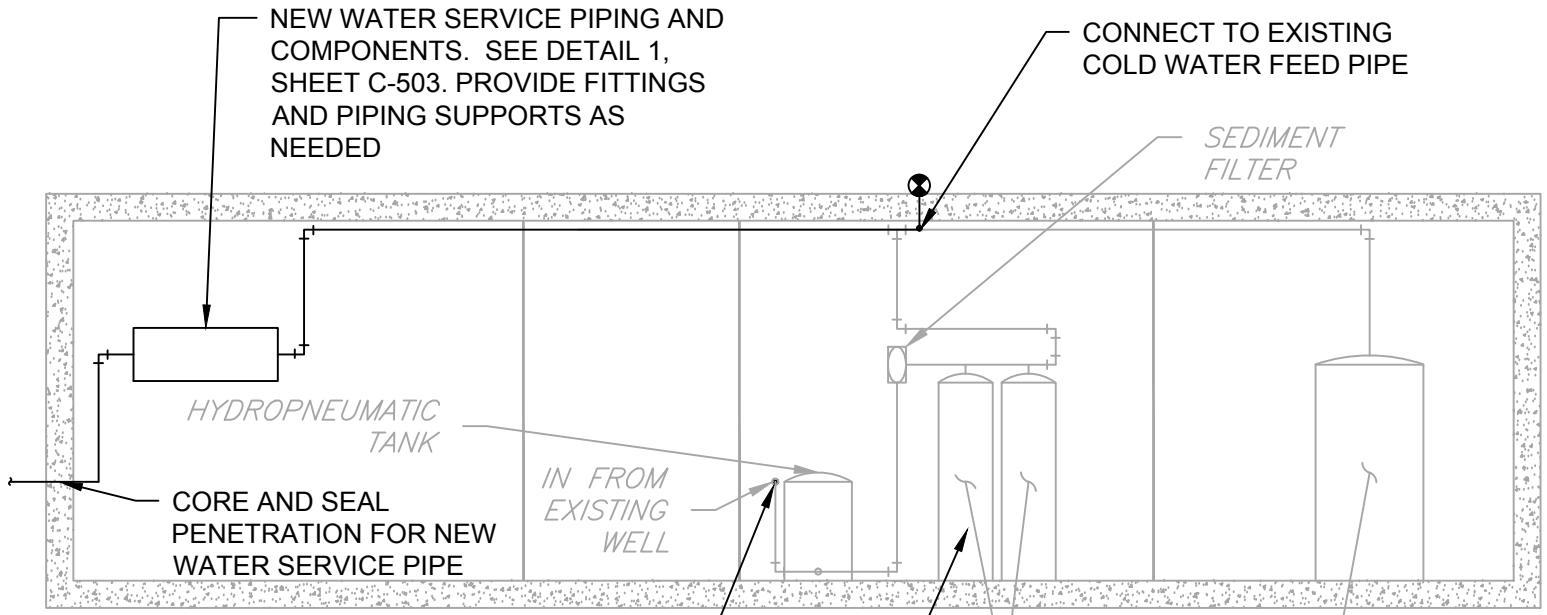
TOWN OF DURHAM
109 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	109 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW



A/2 **SECTION A-A**

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

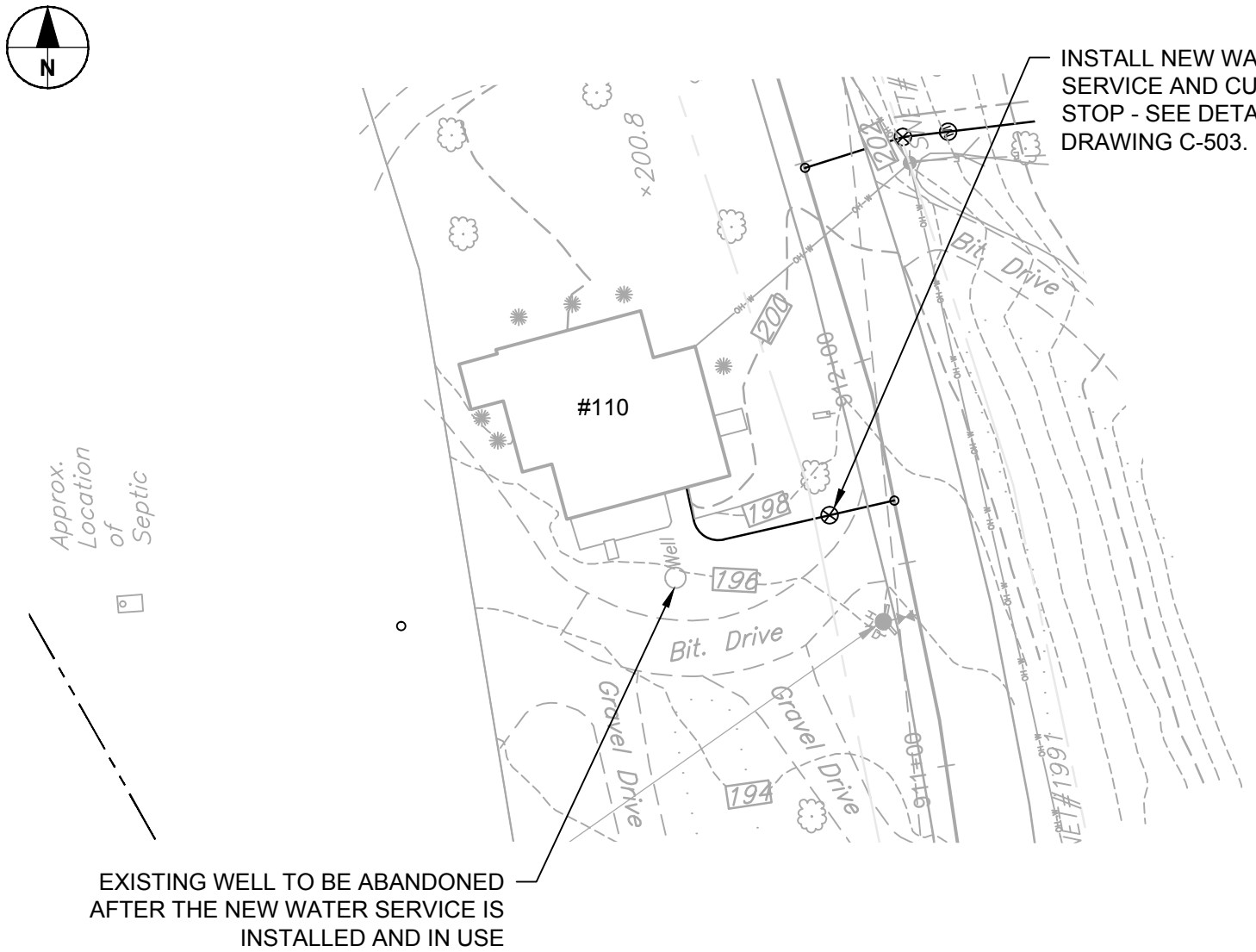
TOWN OF DURHAM
109 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	109 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

110 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

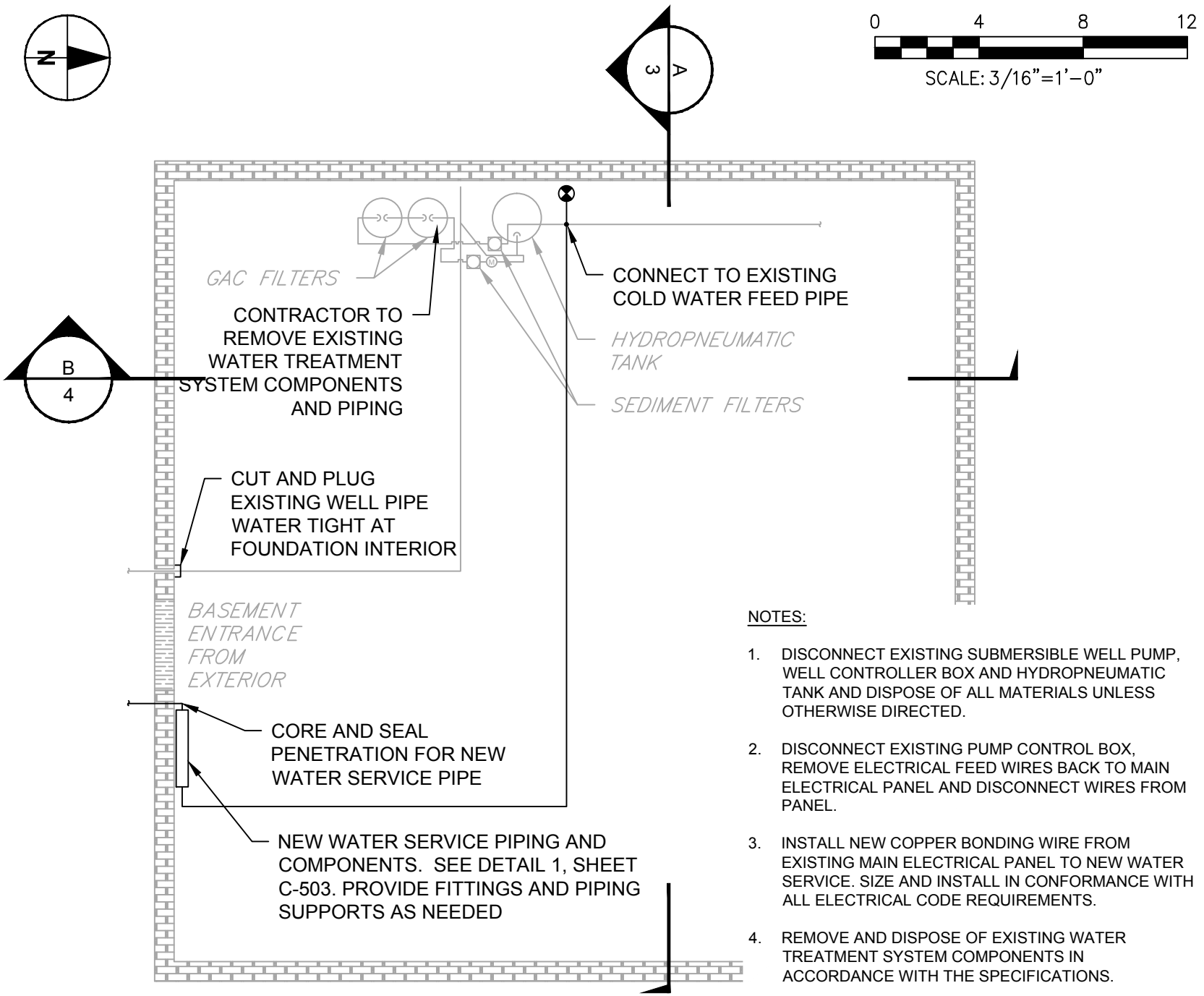
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
110 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-110MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 4

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
110 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

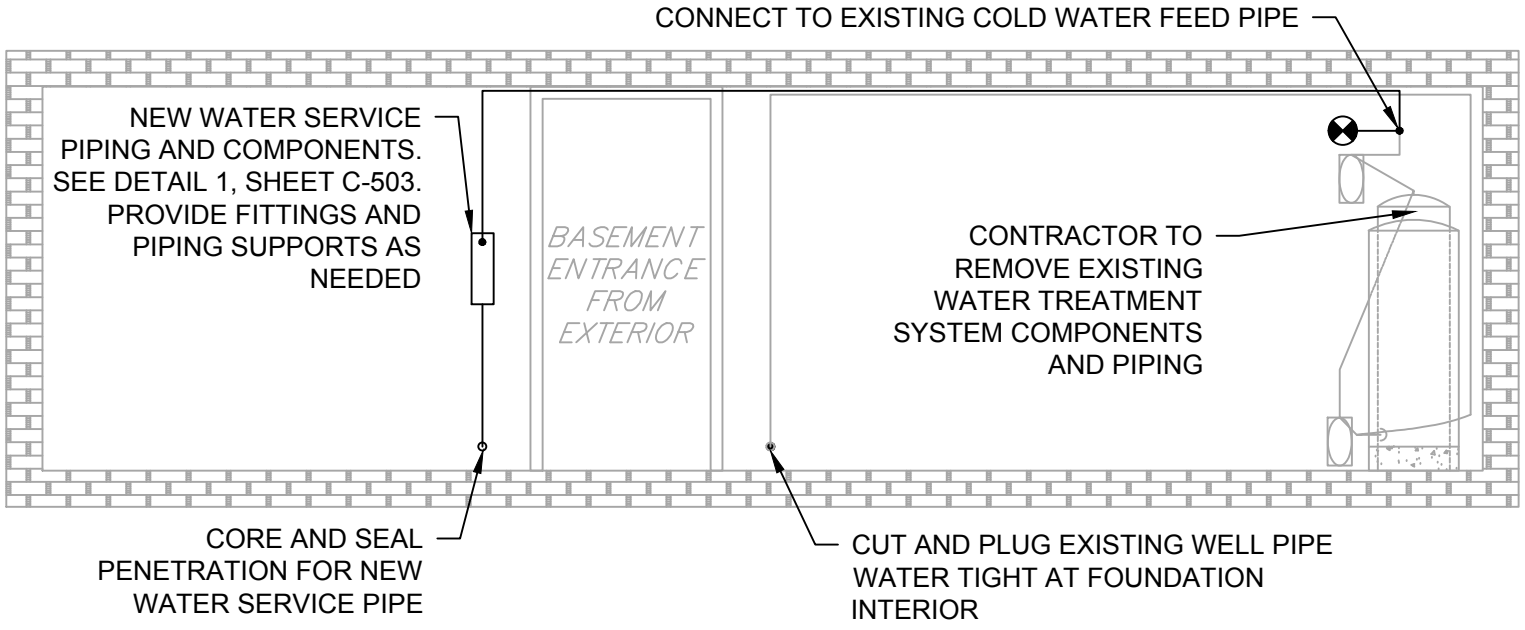
PROJECT NO:	60275749
CAD FILE:	110 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

SOUTH VIEW

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
110 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

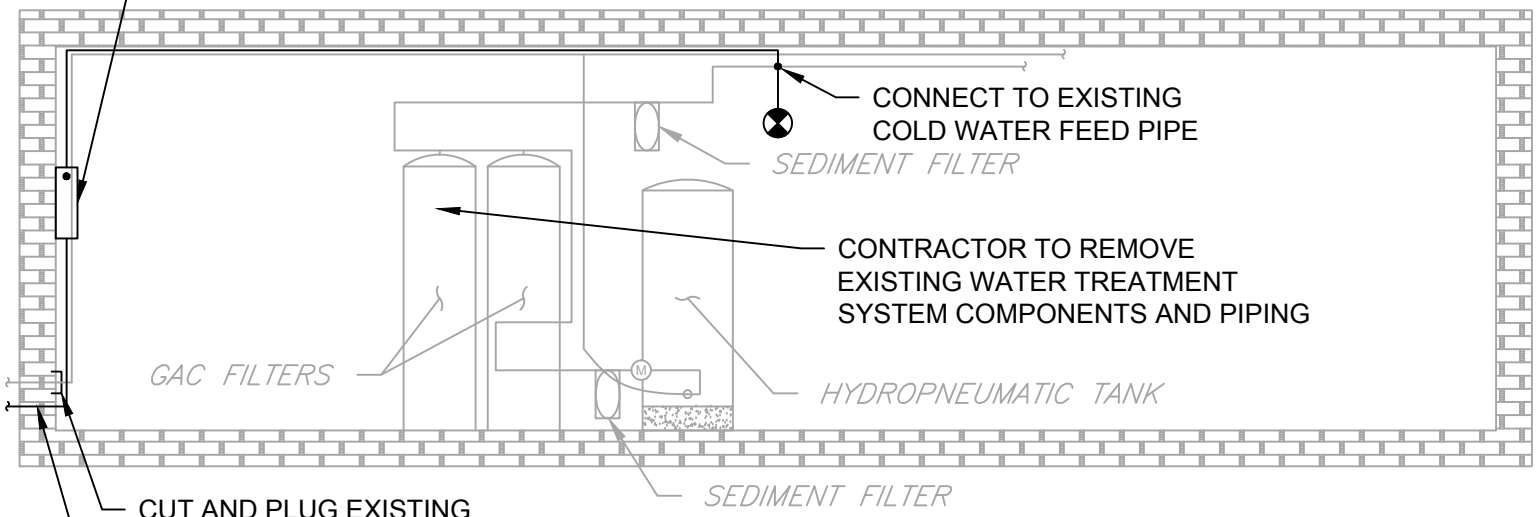
PROJECT NO:	60275749
CAD FILE:	110 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

WEST VIEW

0 4 8

SCALE: 1/4"=1'-0"



B
2

SECTION B-B

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
110 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	110 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

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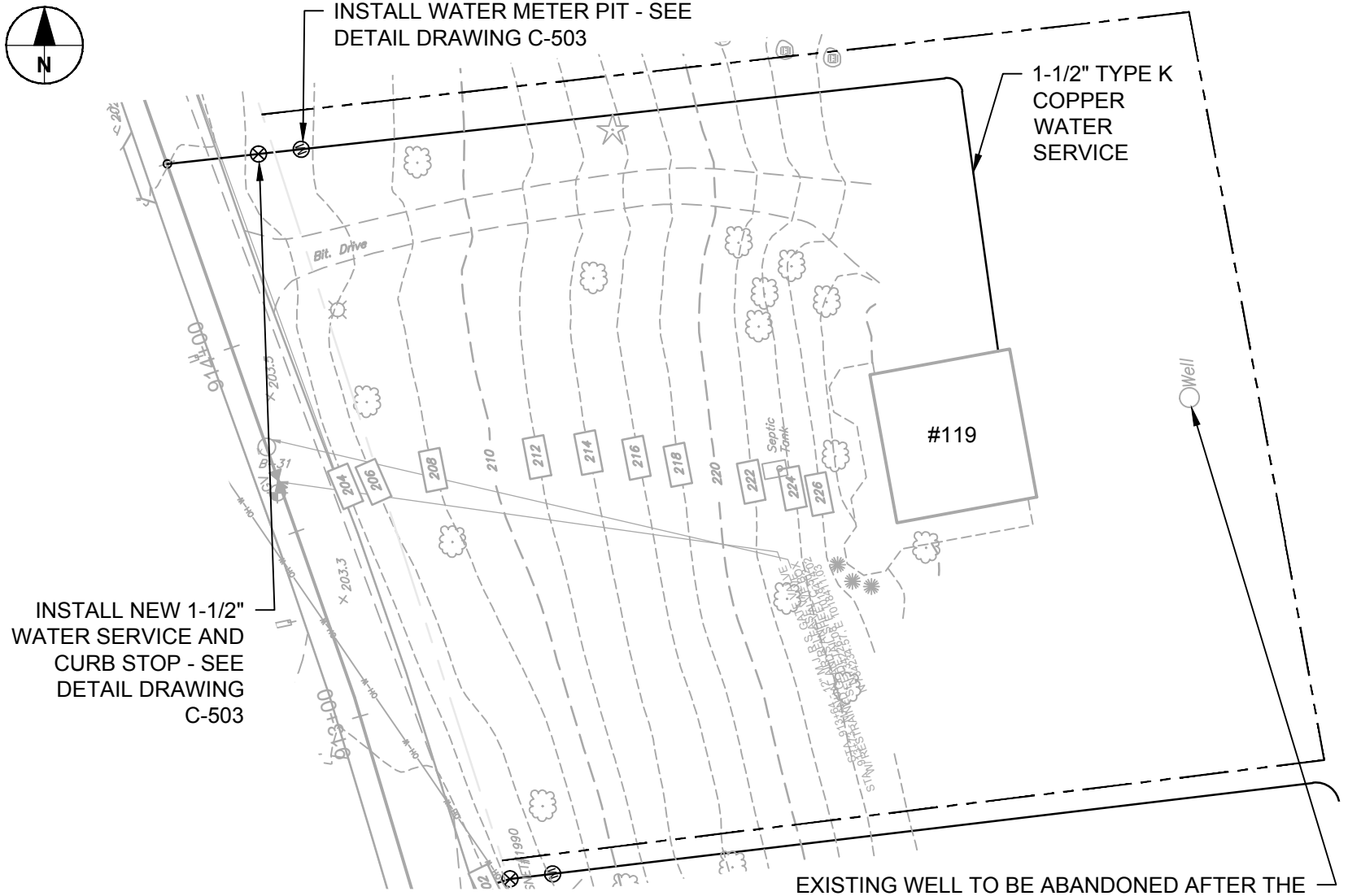
119 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

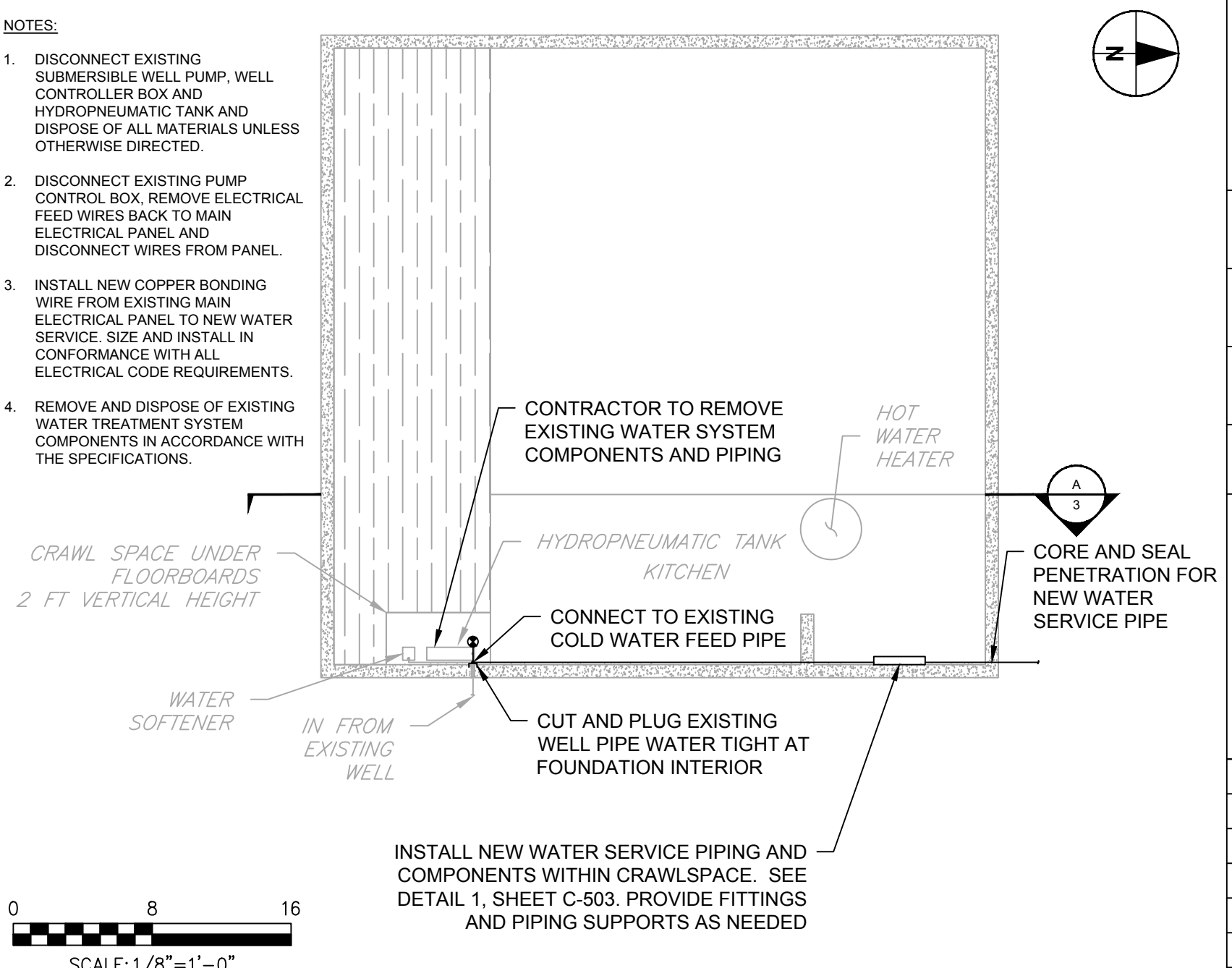
TOWN OF DURHAM
119 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-119MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

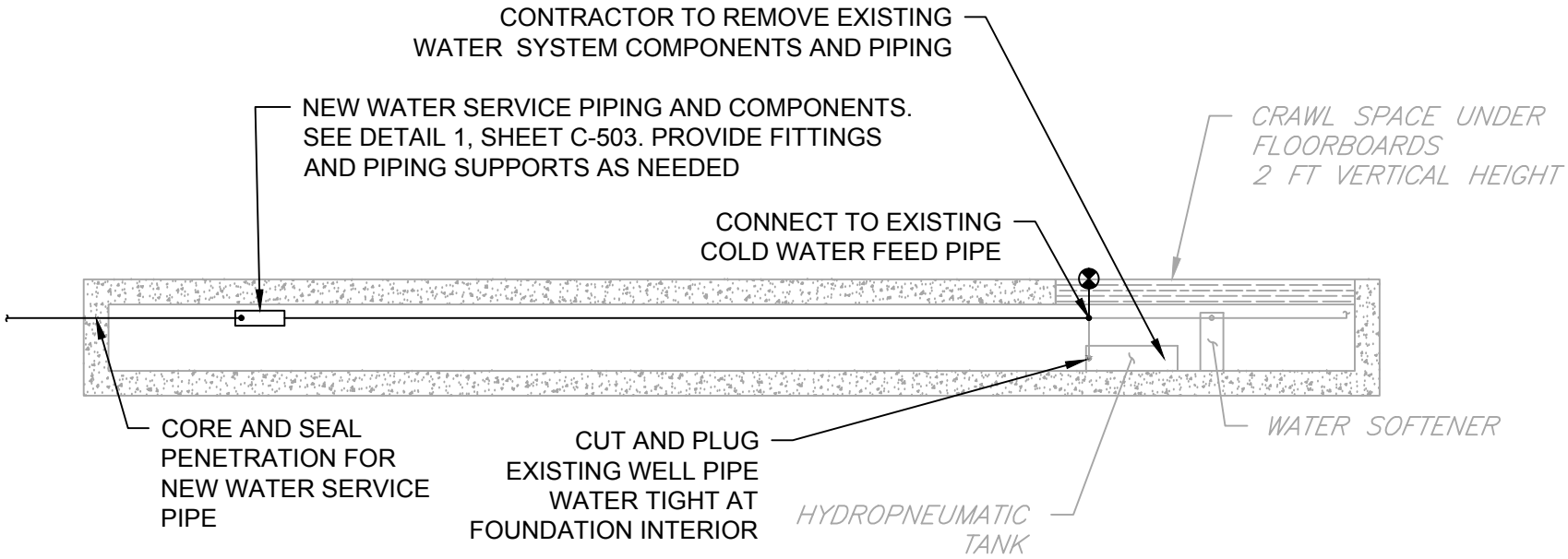
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
119 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	119 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
119 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

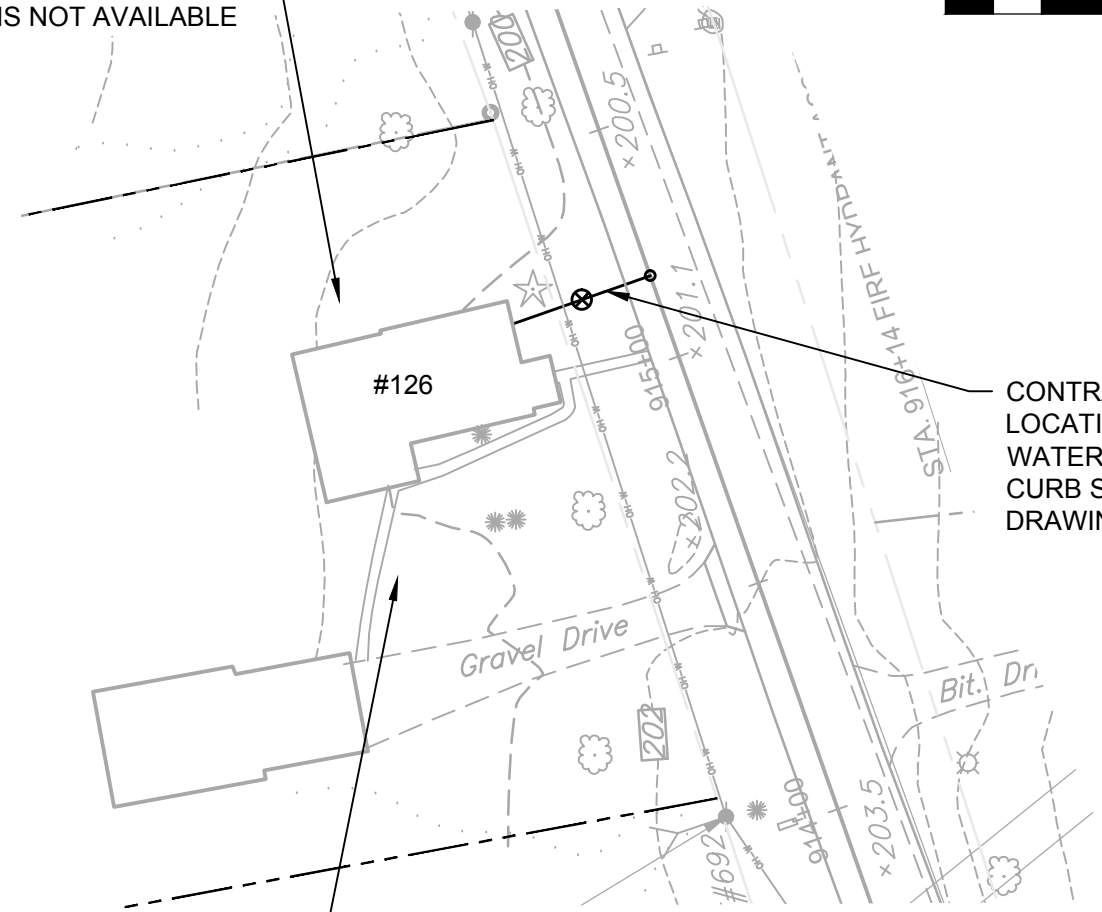
PROJECT NO:	60275749
CAD FILE:	119 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

126 Maple Avenue

PLOTTED: 23-Jan-18

NOTE: PROPERTY WAS NOT INSPECTED, THEREFORE WATER SYSTEM LAYOUT IN RESIDENCE IS NOT AVAILABLE

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

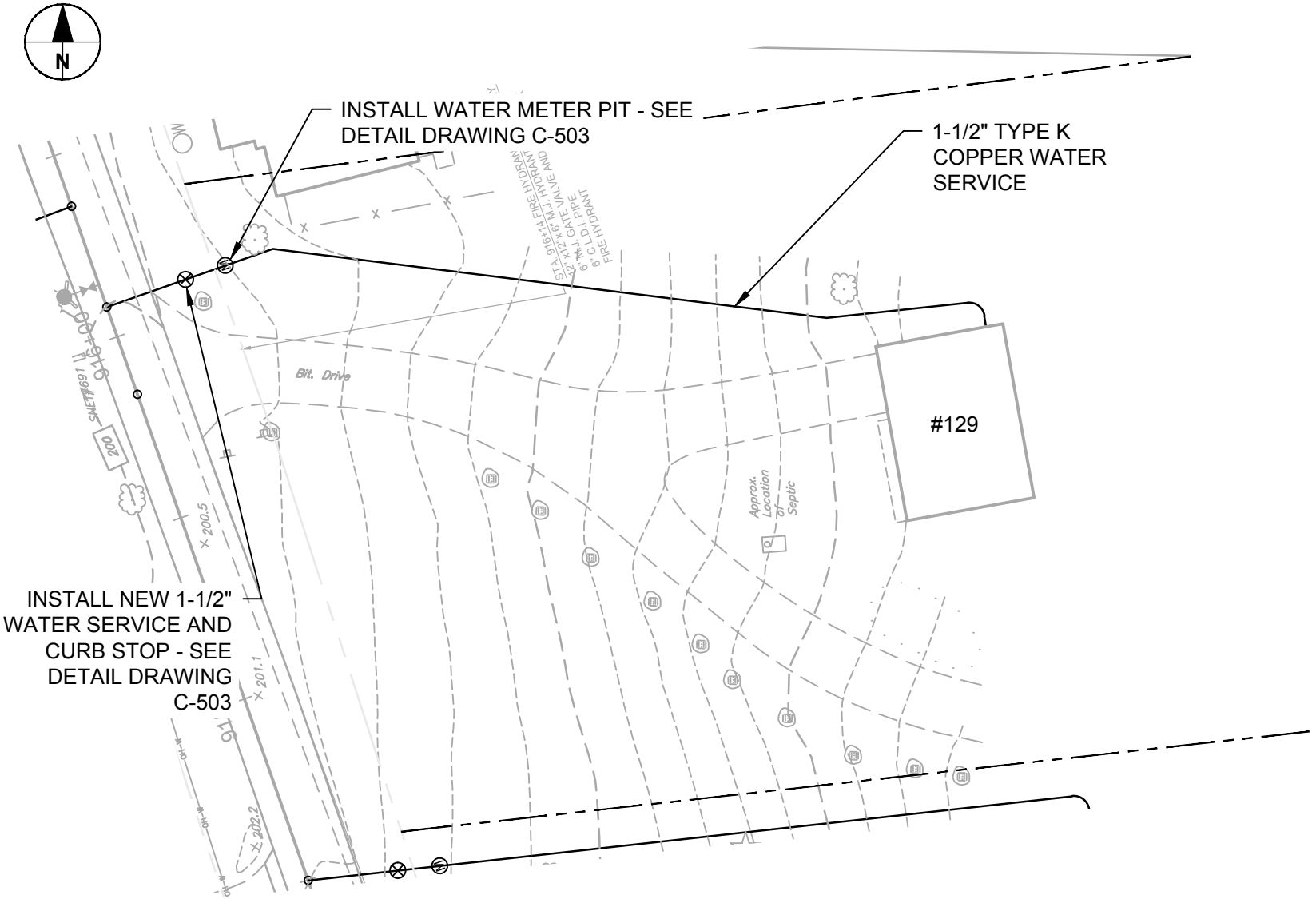
TOWN OF DURHAM
126 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-126MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

129 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. DISCONNECT INCOMING WATER SERVICE FROM PARISH HALL (MAIN STREET)
4. EXISTING WATER SERVICE PIPE TO BE CUT AND CAPPED WATERTIGHT AT WELL(ON MAIN STREET) AND BUILDING INTERIOR AND ABANDONED IN PLACE.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

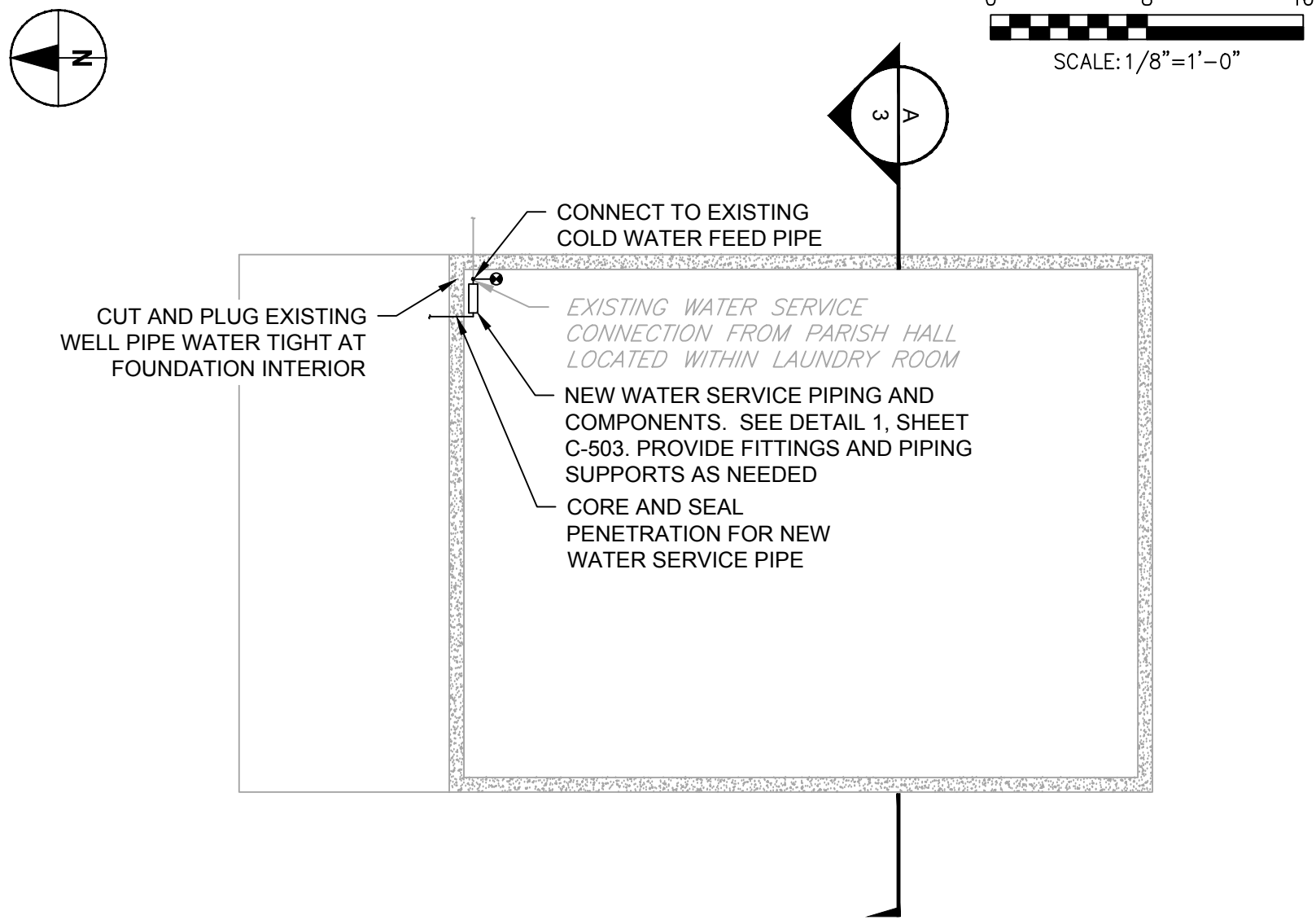
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
129 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-129MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT THE INCOMING WATER SERVICE FROM PARISH HALL (MAIN ST.) LOCATED WITHIN THE LAUNDRY ROOM AND CONNECT THE PROPOSED WATER LINE TO THE EXISTING WATER SERVICE.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
129 MAPLE AVE.

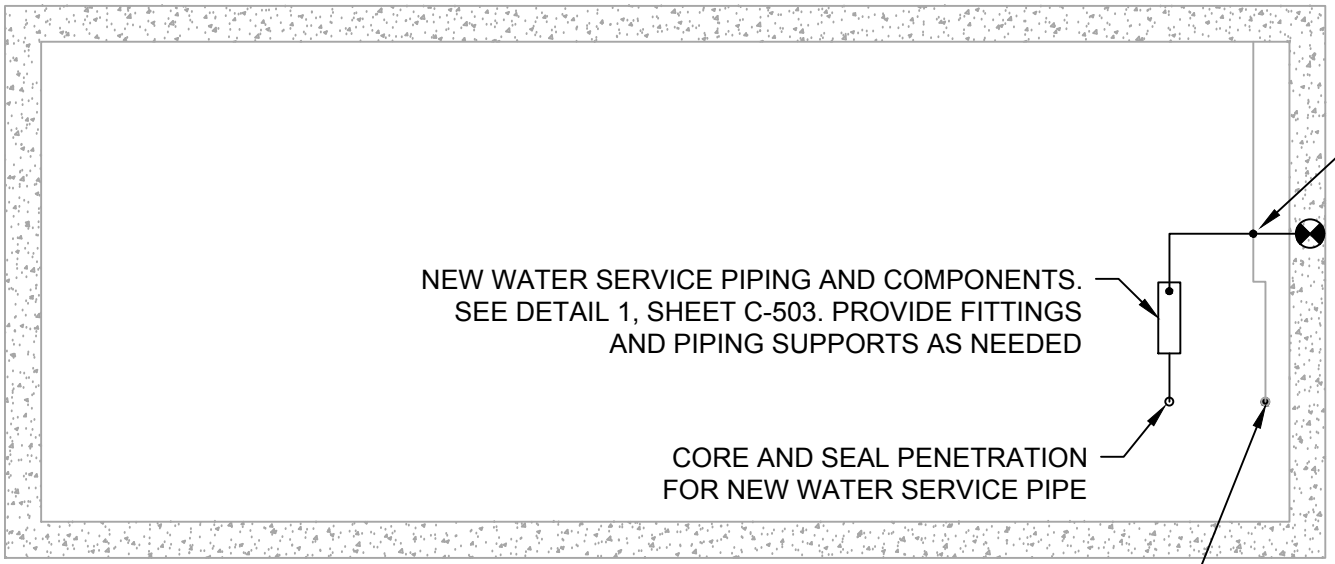
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	129 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

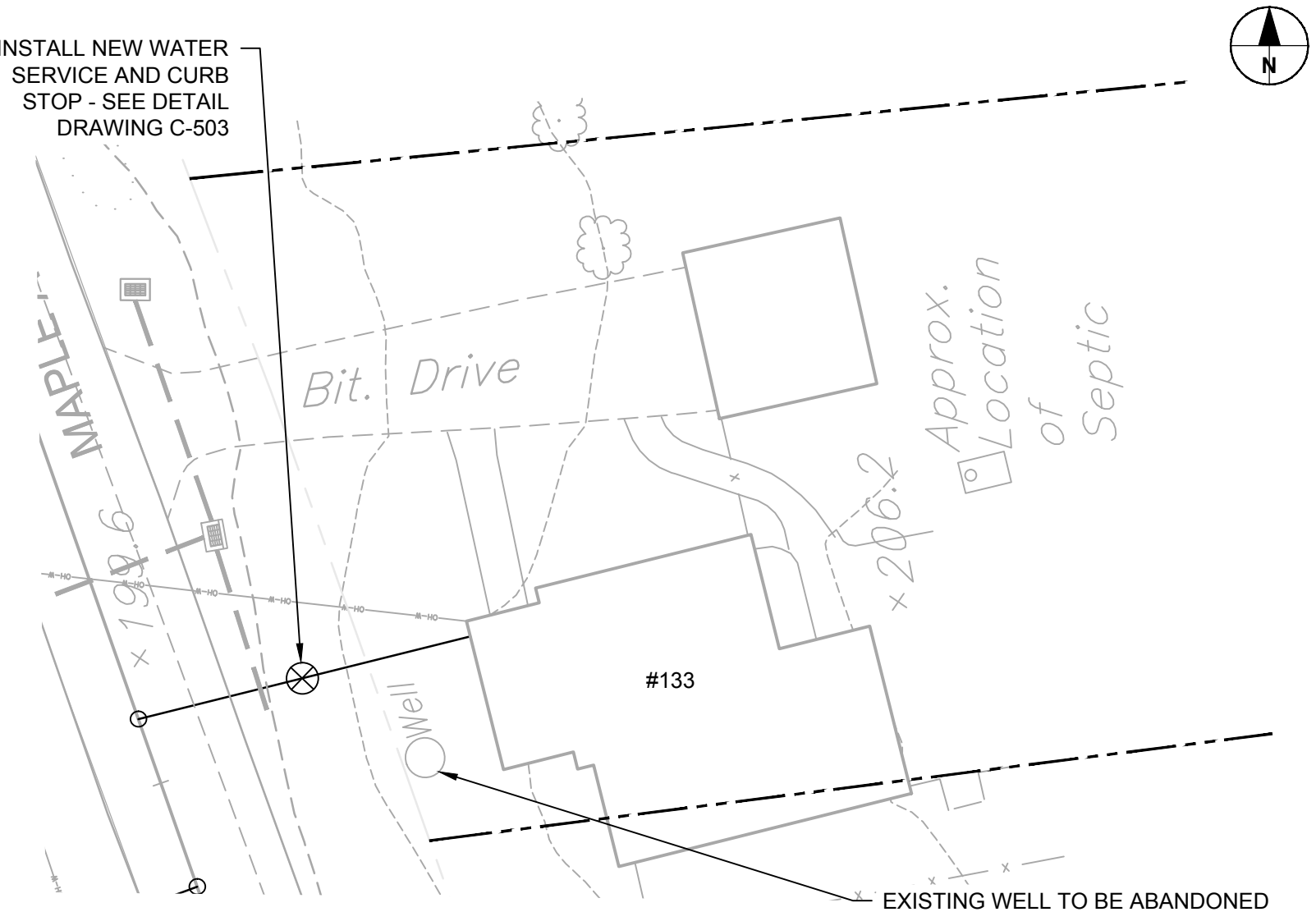
TOWN OF DURHAM
129 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	129 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

133 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE EXISTING SUBMERSIBLE WELL PUMP FROM WELL AND DELIVER TO PROPERTY OWNER.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

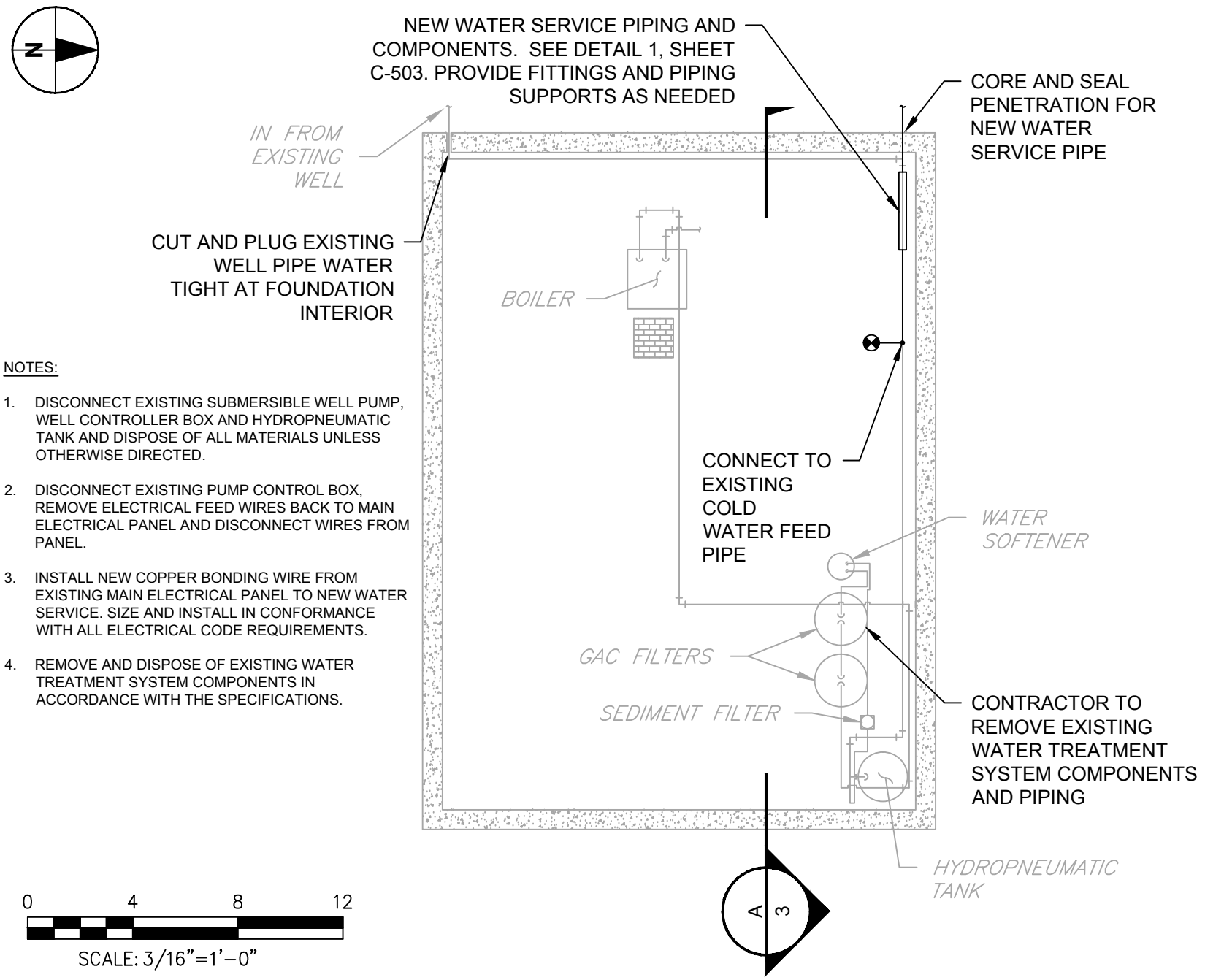
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
133 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-133MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

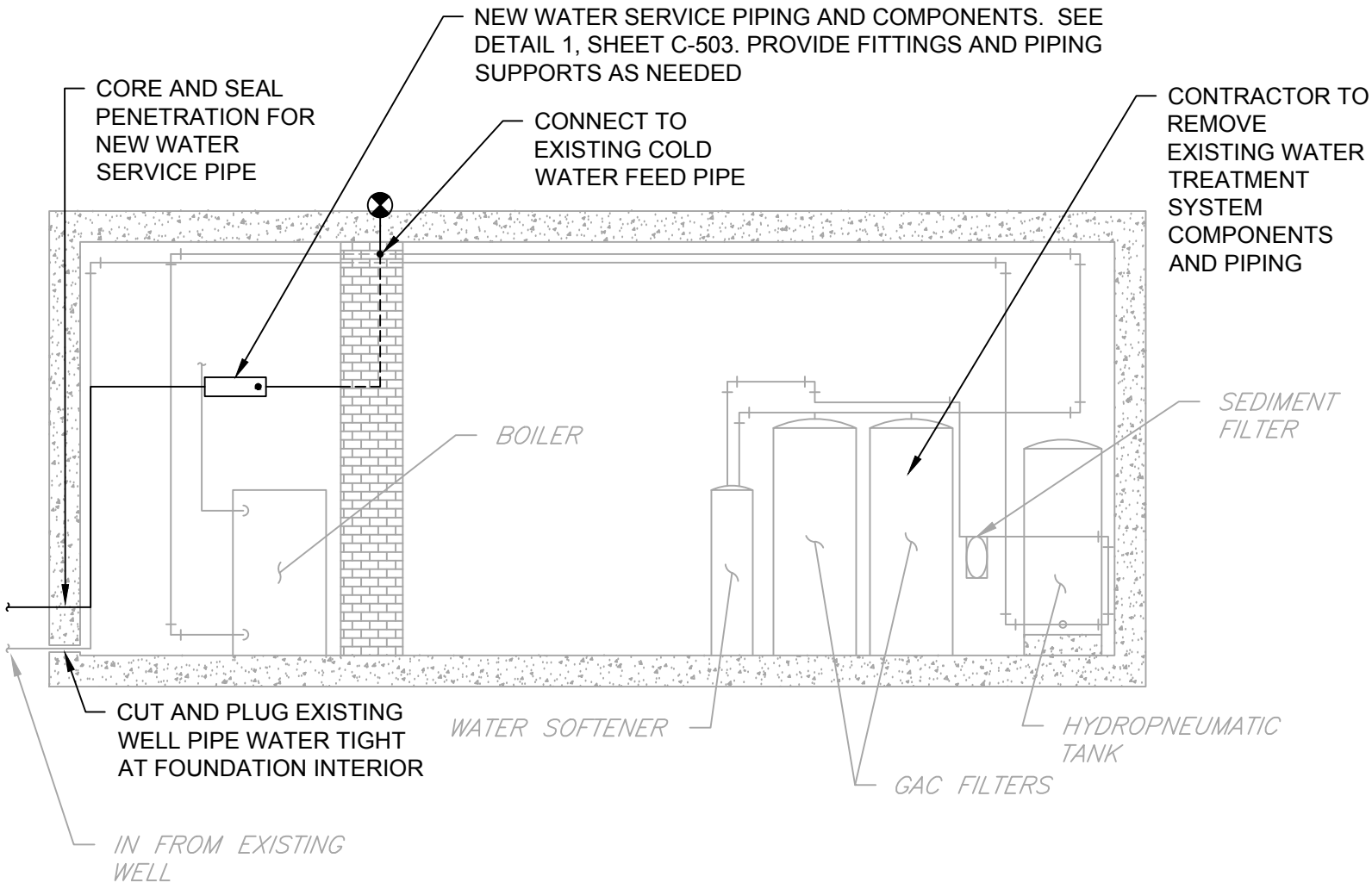
TOWN OF DURHAM
133 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	133 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

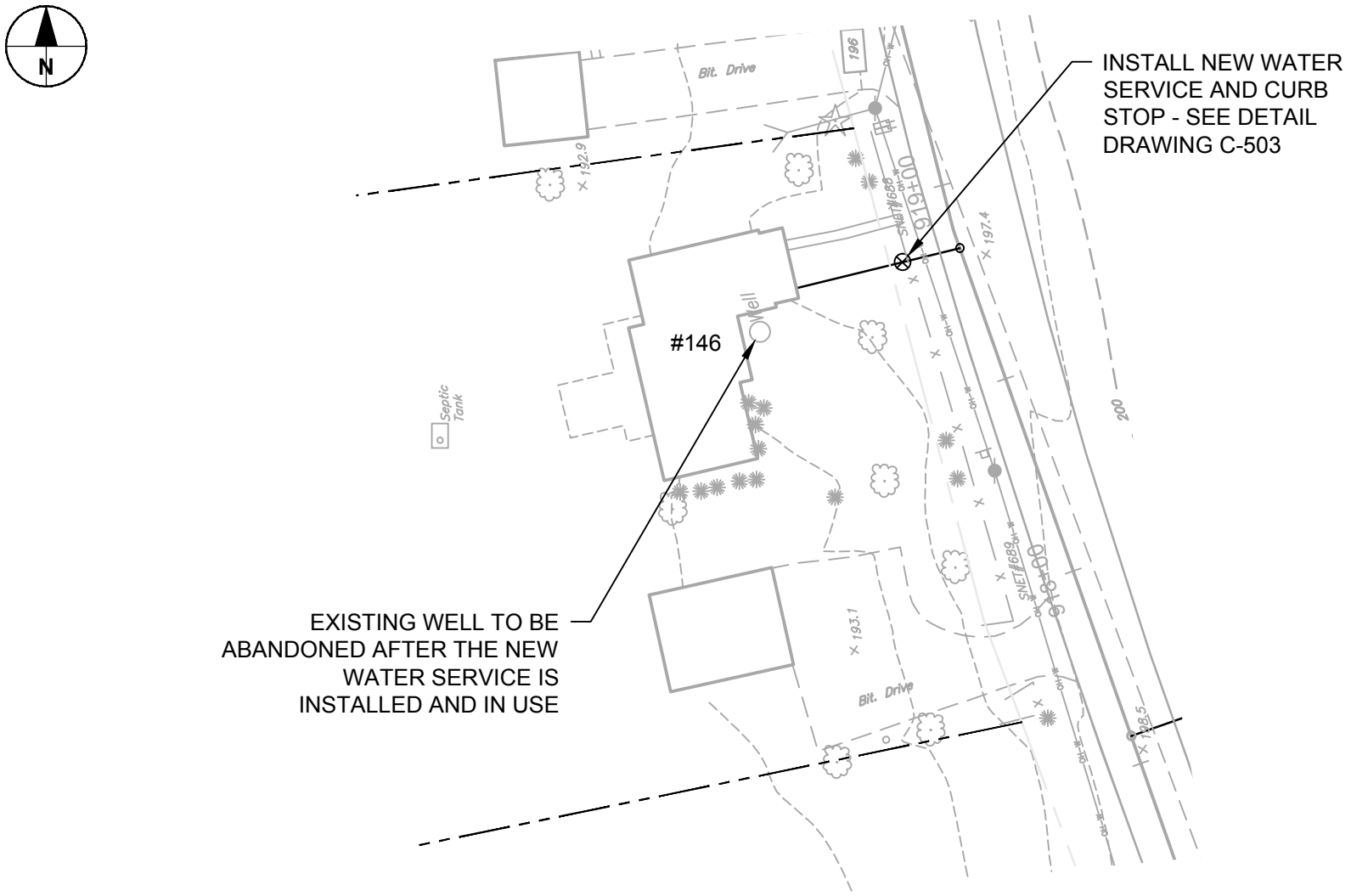
TOWN OF DURHAM
133 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	133 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

146 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

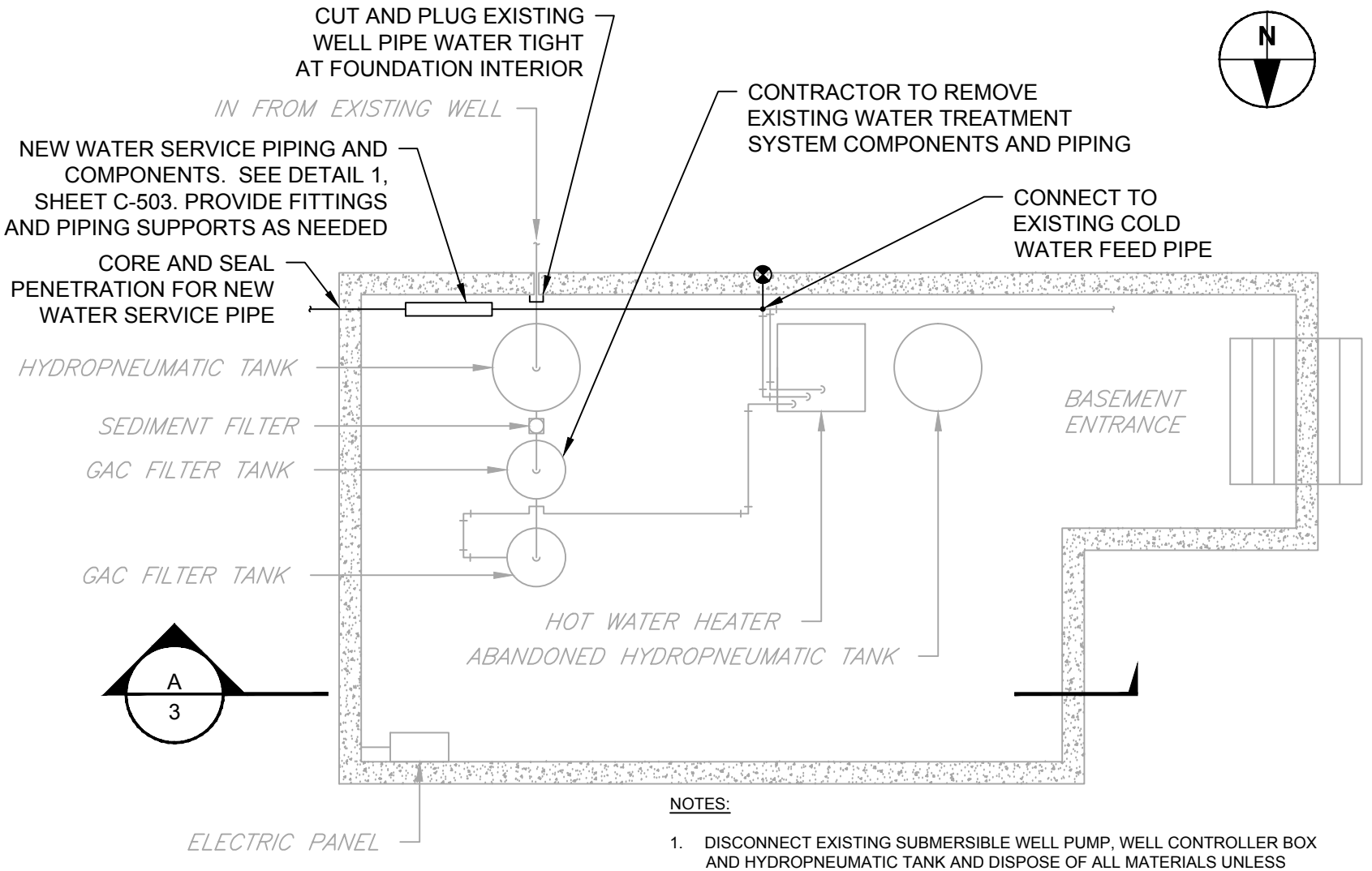
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
146 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-146MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

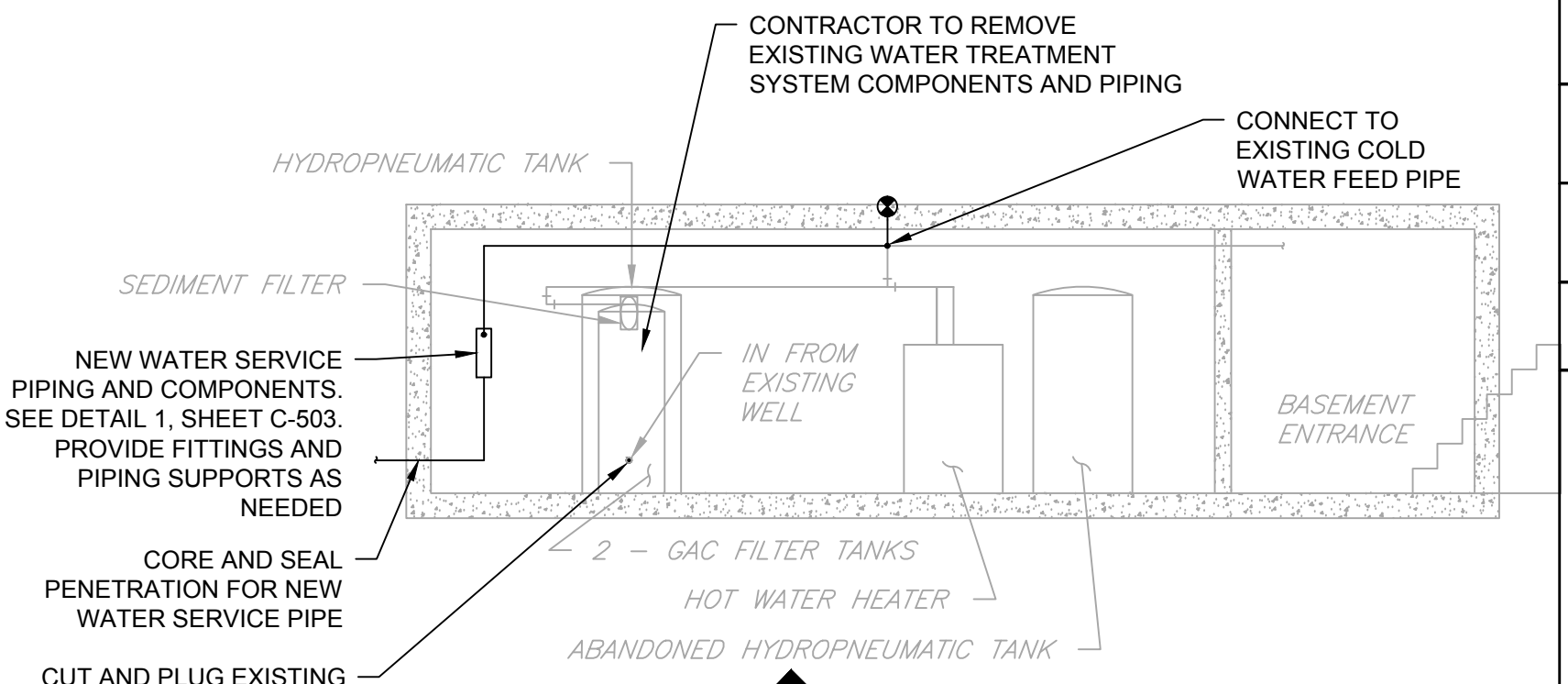
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
146 MAPLE AVENUE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	146 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

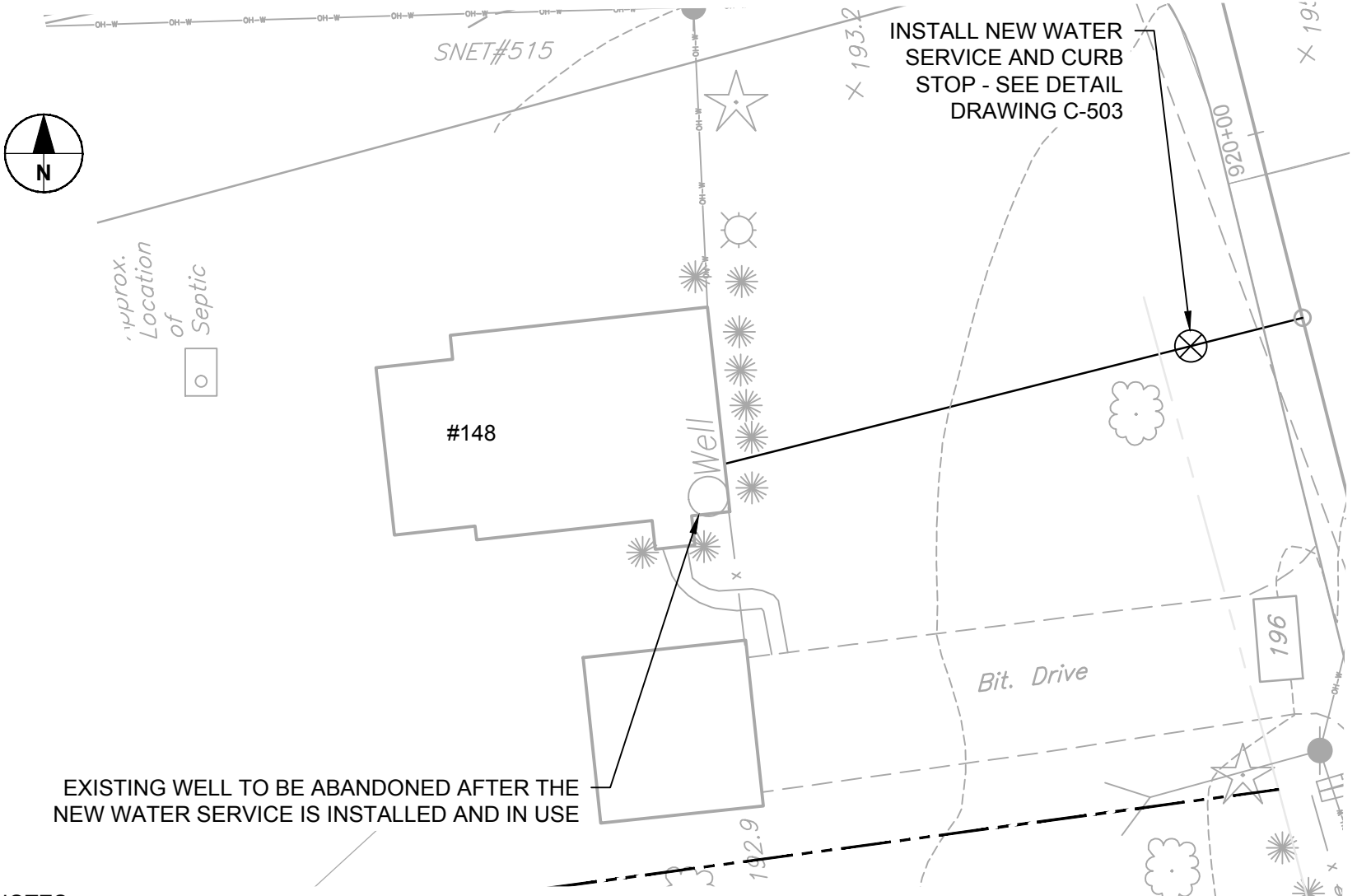
TOWN OF DURHAM
146 MAPLE AVENUE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	146 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

148 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

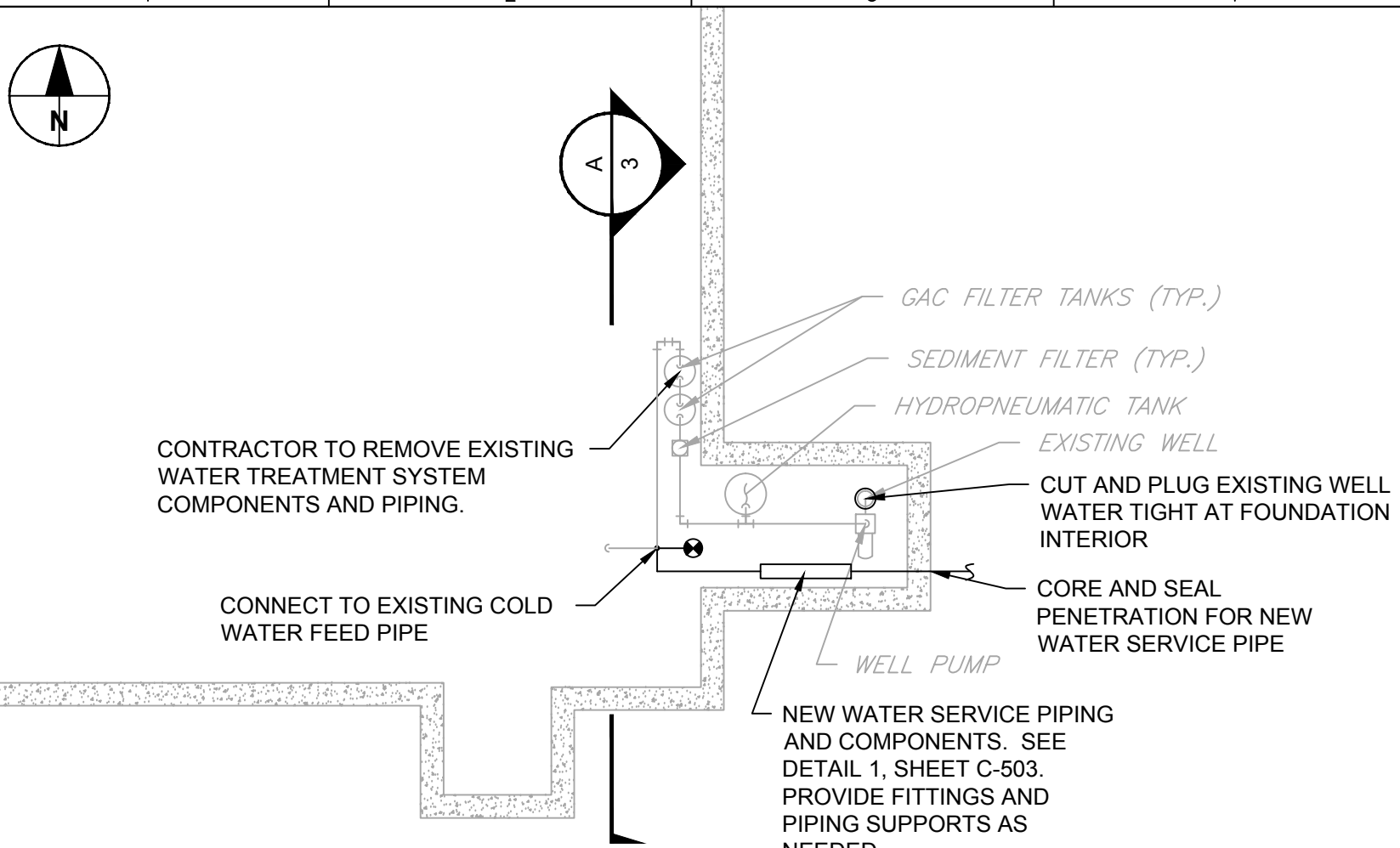
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
148 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-148MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

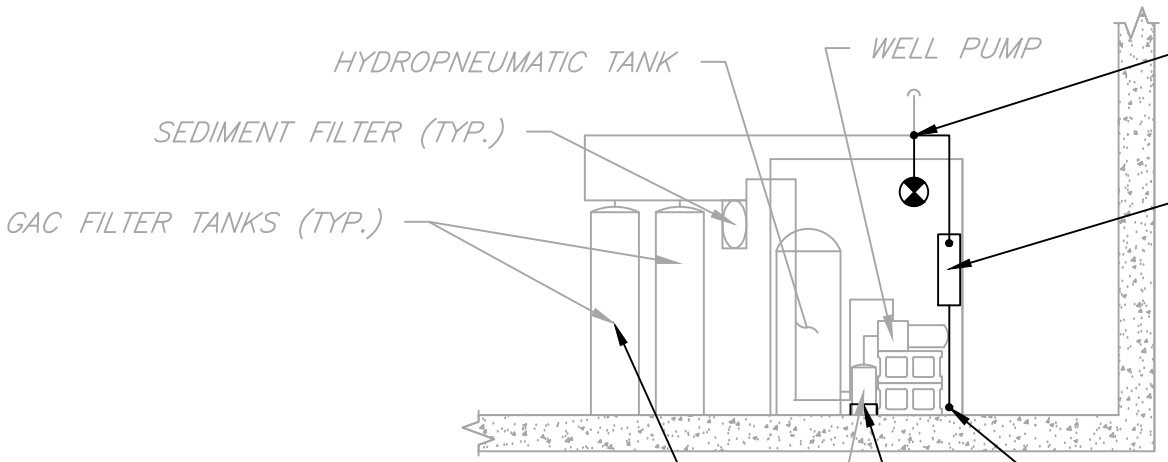
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
148 MAPLE AVE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	148 Maple Avenue.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



CONNECT TO EXISTING COLD WATER FEED PIPE

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED.

CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING.

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

CUT AND PLUG EXISTING WELL WATER TIGHT AT FOUNDATION INTERIOR

A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
148 MAPLE AVE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	148 Maple Avenue.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

158 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE EXISTING SUBMERSIBLE WELL PUMP FROM WELL AND DELIVER TO PROPERTY OWNER.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
158 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-158MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

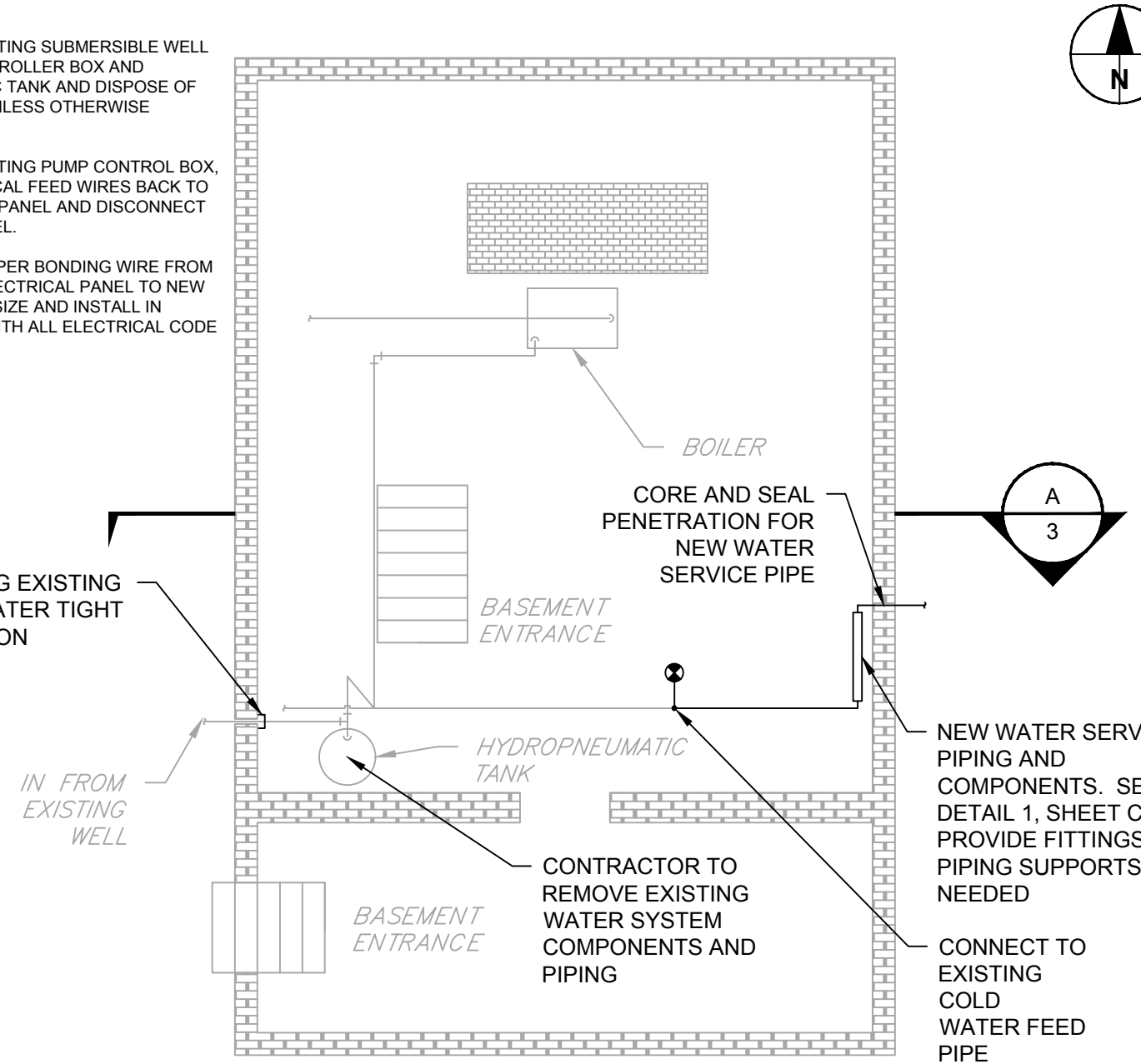
PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

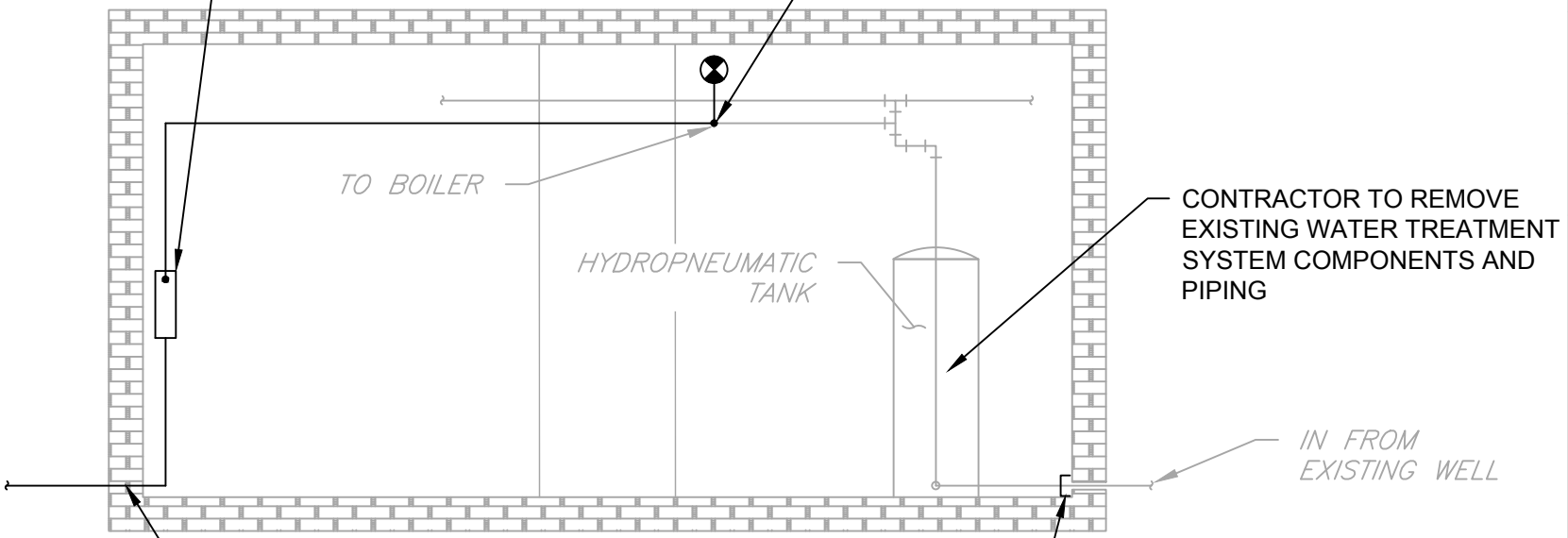
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
158 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	158 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
158 MAPLE AVE.

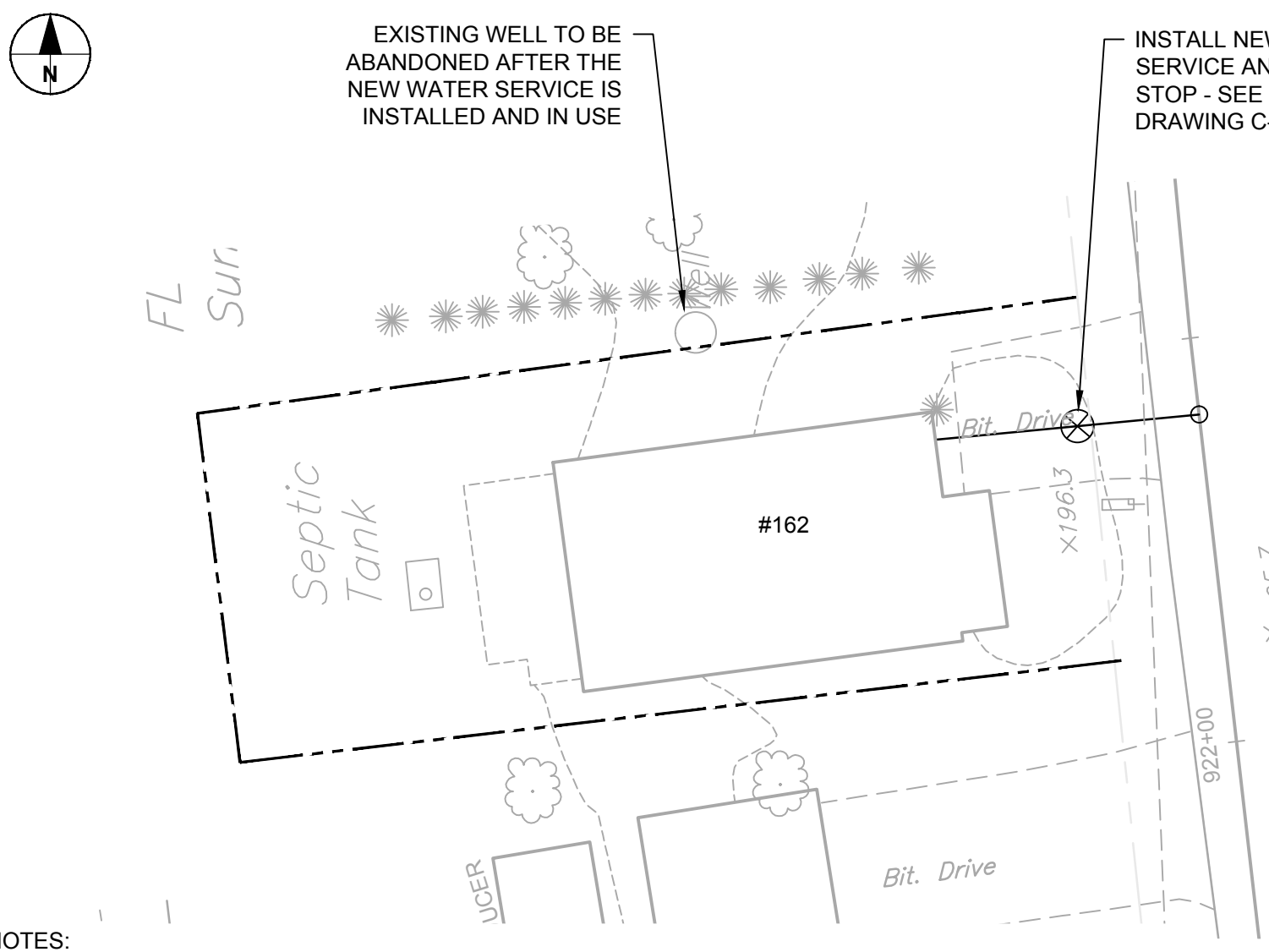
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	158 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

162 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

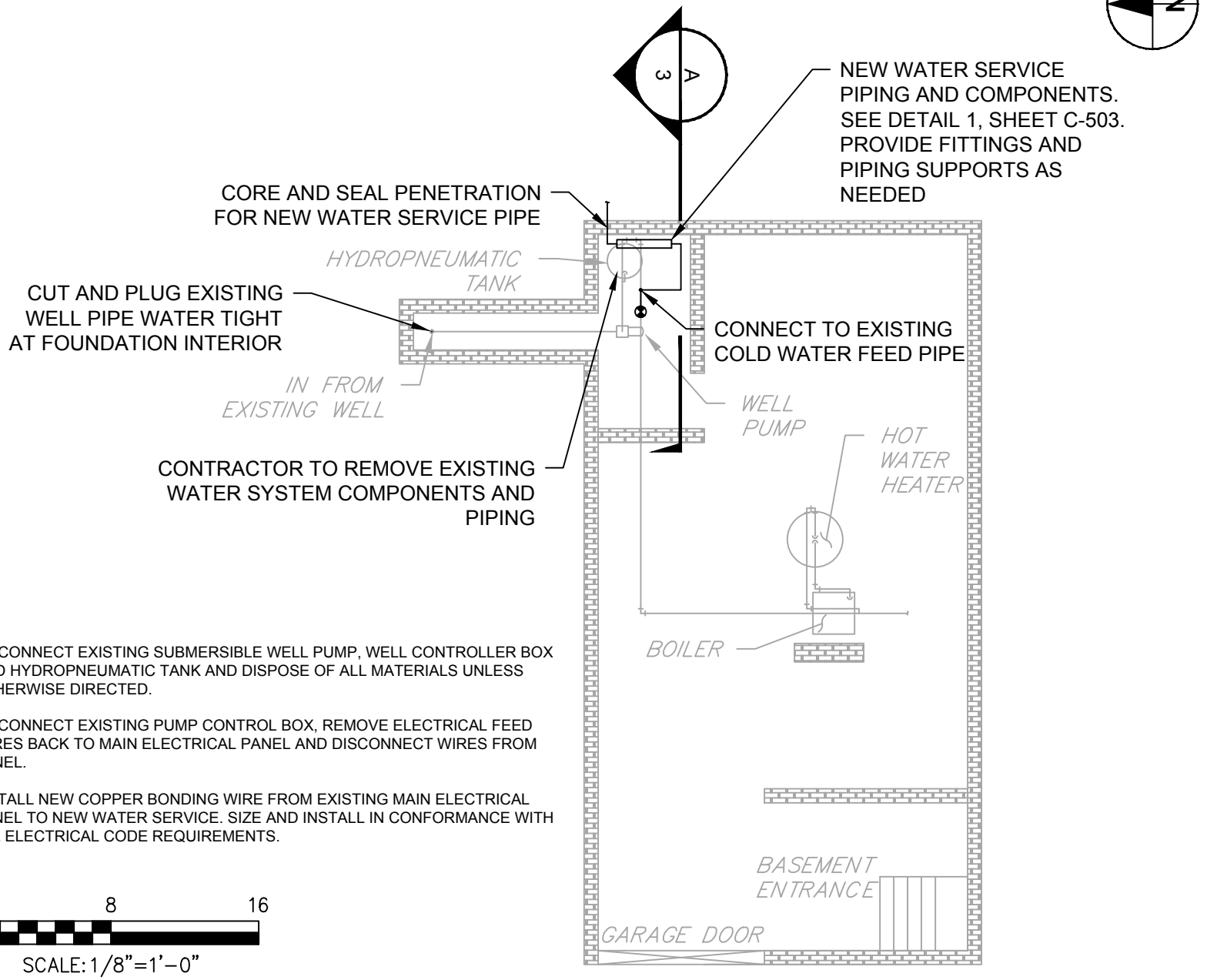
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
162 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-162MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

0 8 16

SCALE: 1/8"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

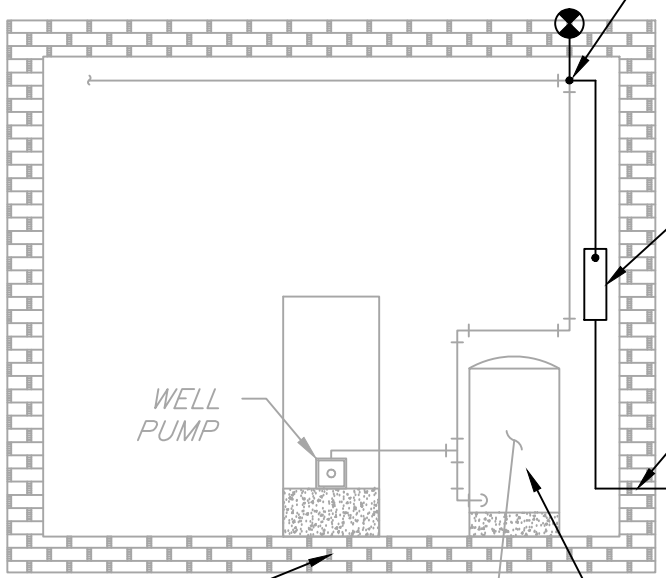
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
162 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	162 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

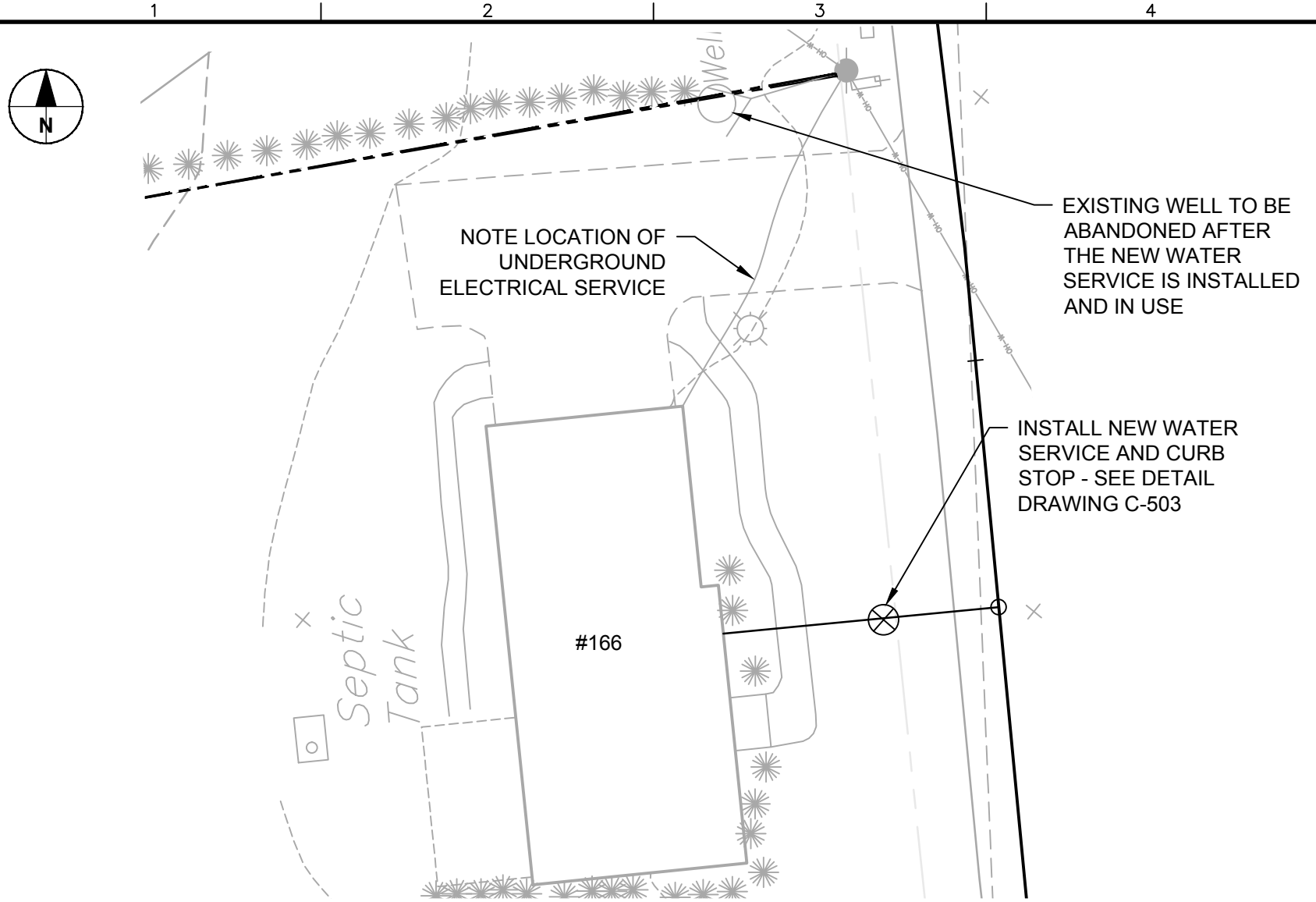
TOWN OF DURHAM
162 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	162 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

166 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION (NOTE: SYNTHETIC MULCH).
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
166 MAPLE AVE.

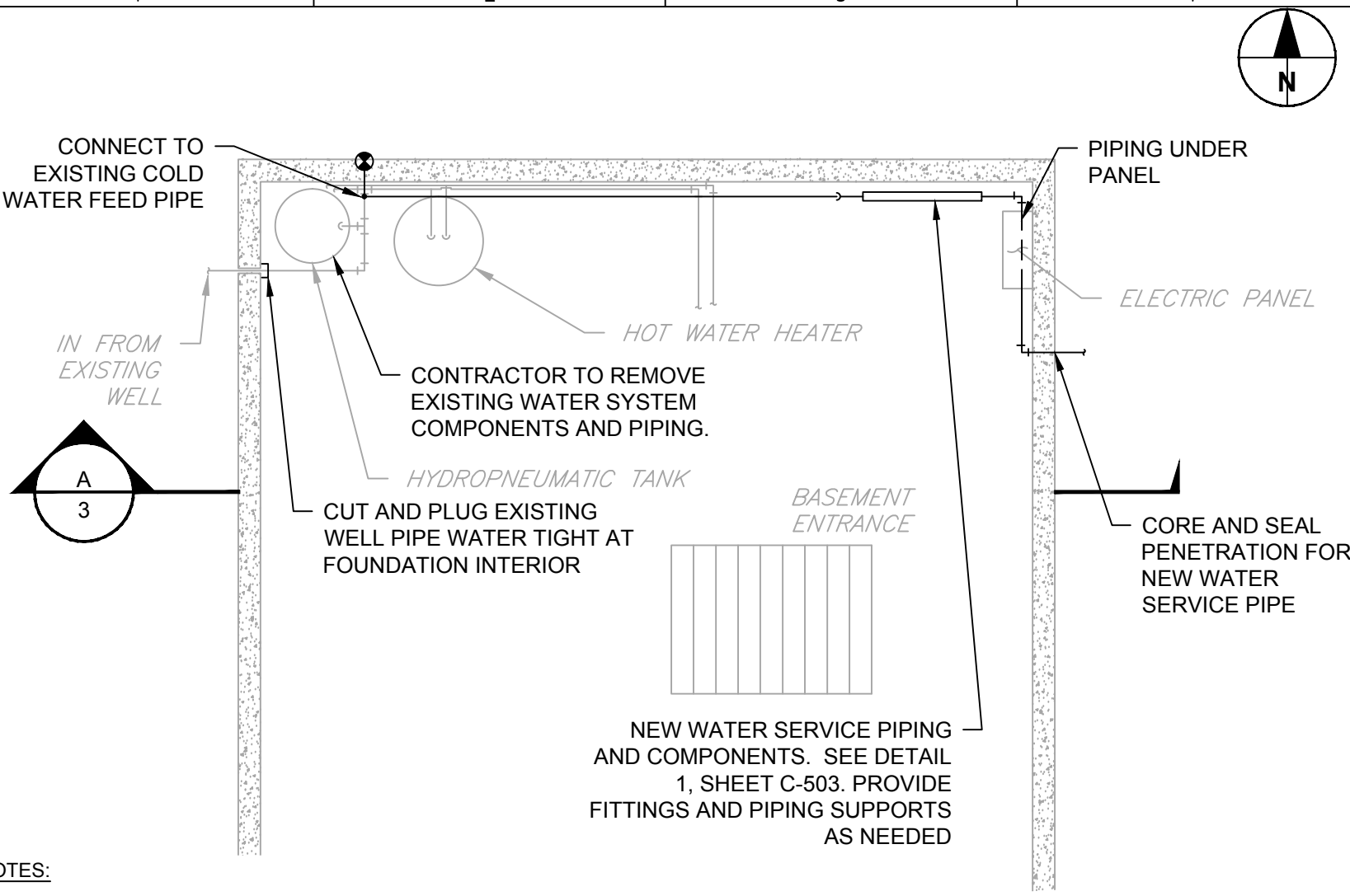
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-166MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

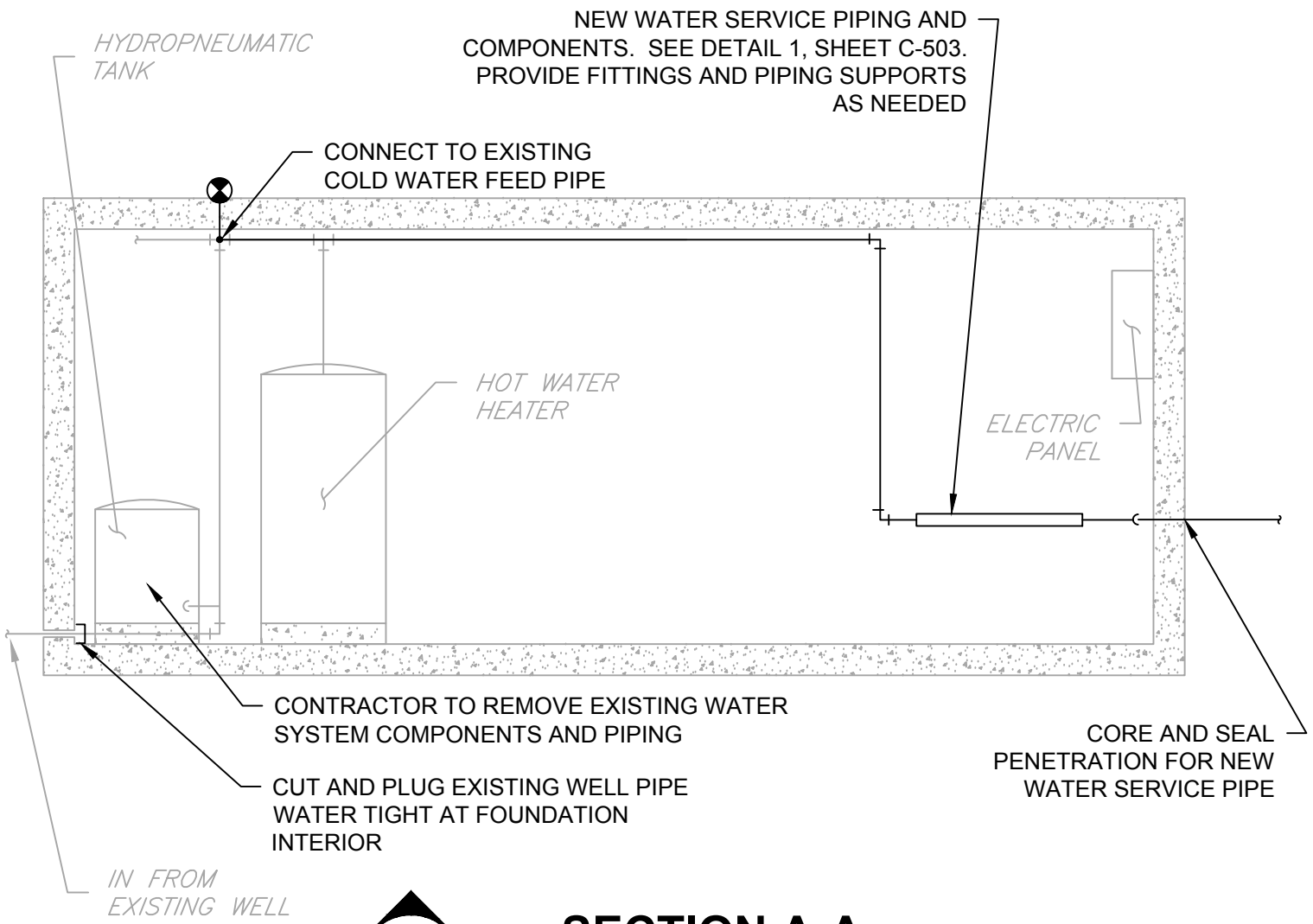
TOWN OF DURHAM
166 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	166 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	NOV 2016	MCC	DGS	ADDENDUM NO. 1

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
166 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	166 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

172 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

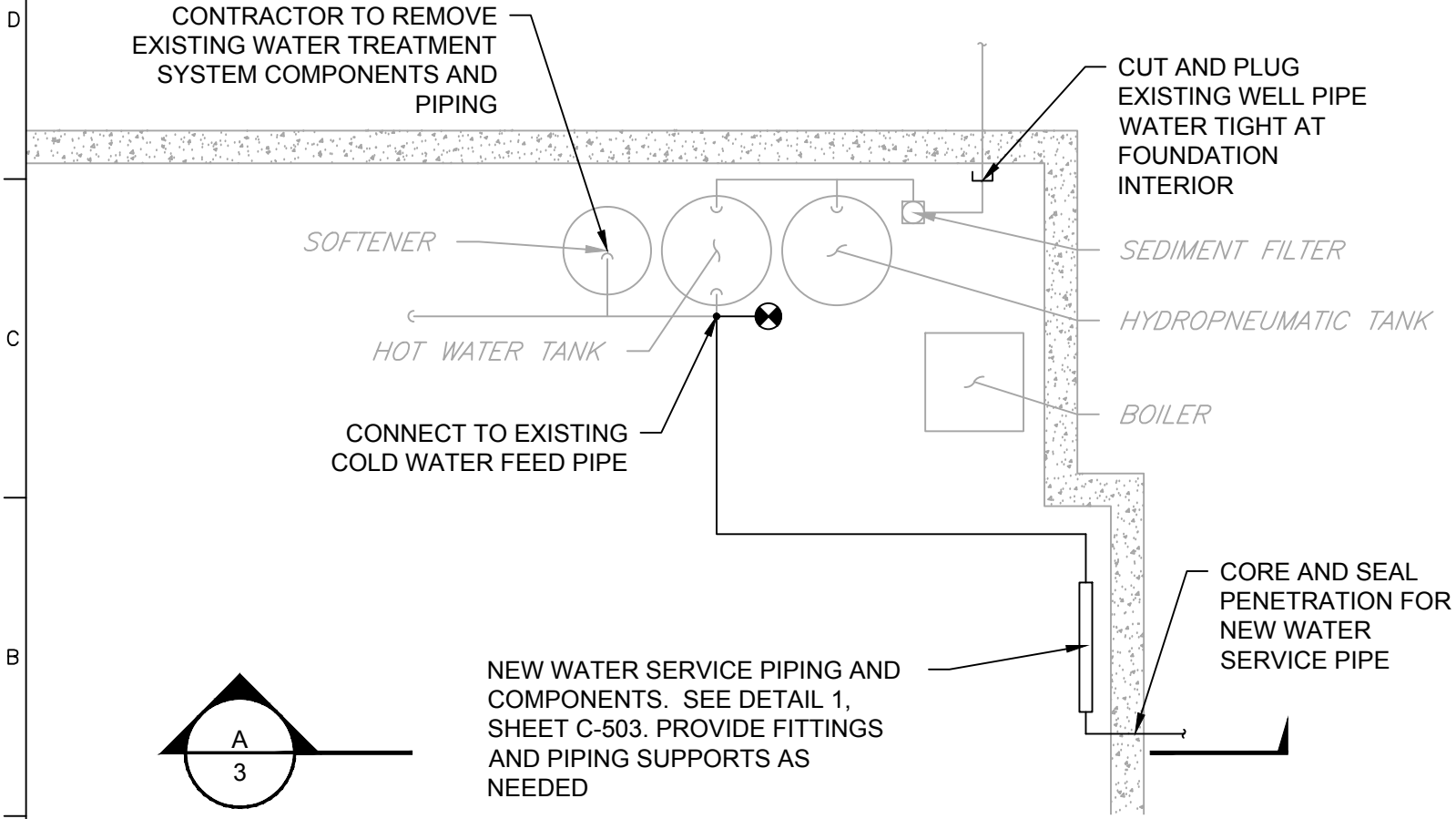
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
172 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-172MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

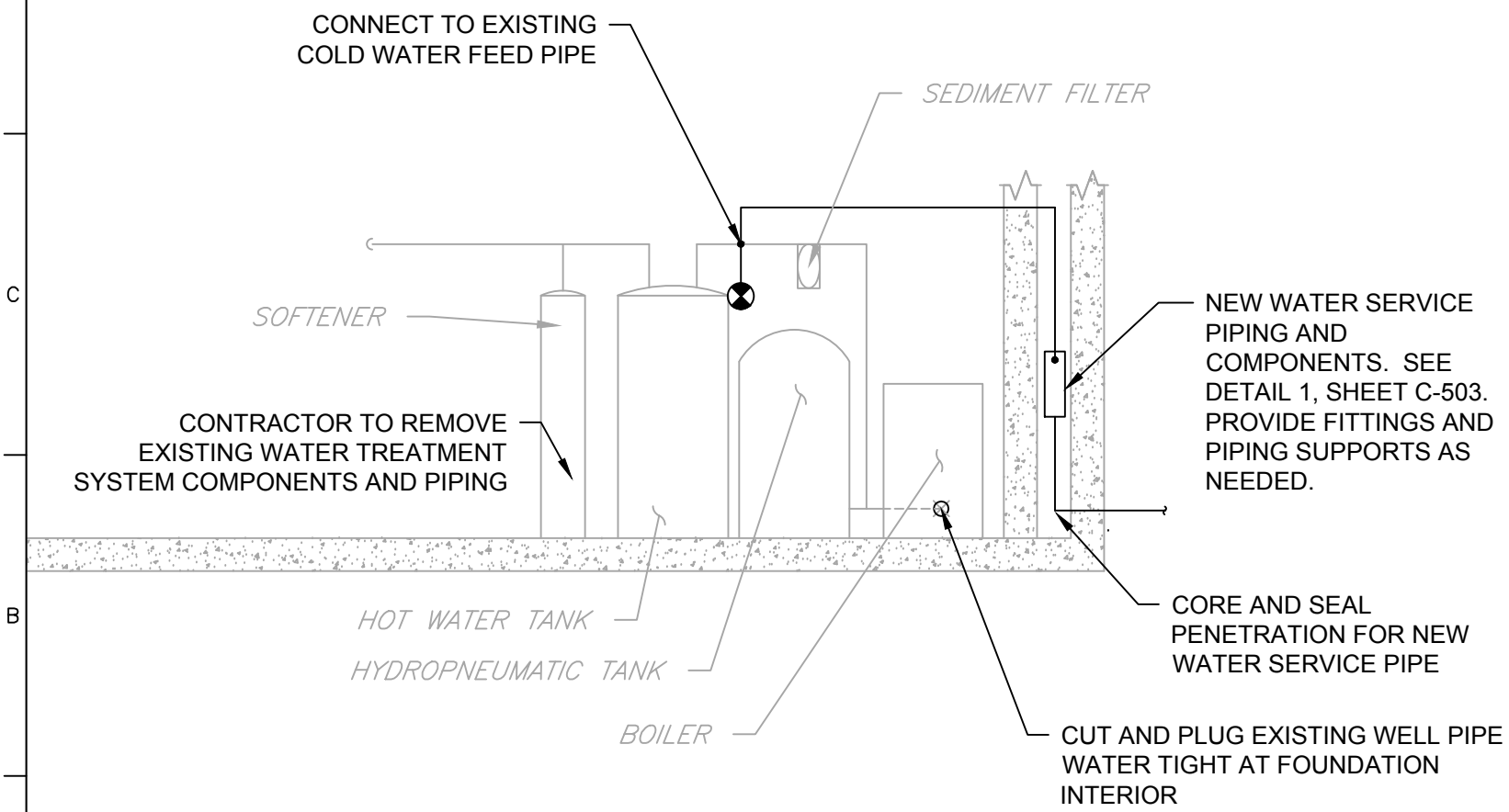
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
172 MAPLE AVENUE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	172 Maple Ave.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	$\frac{1}{4}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A/3 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

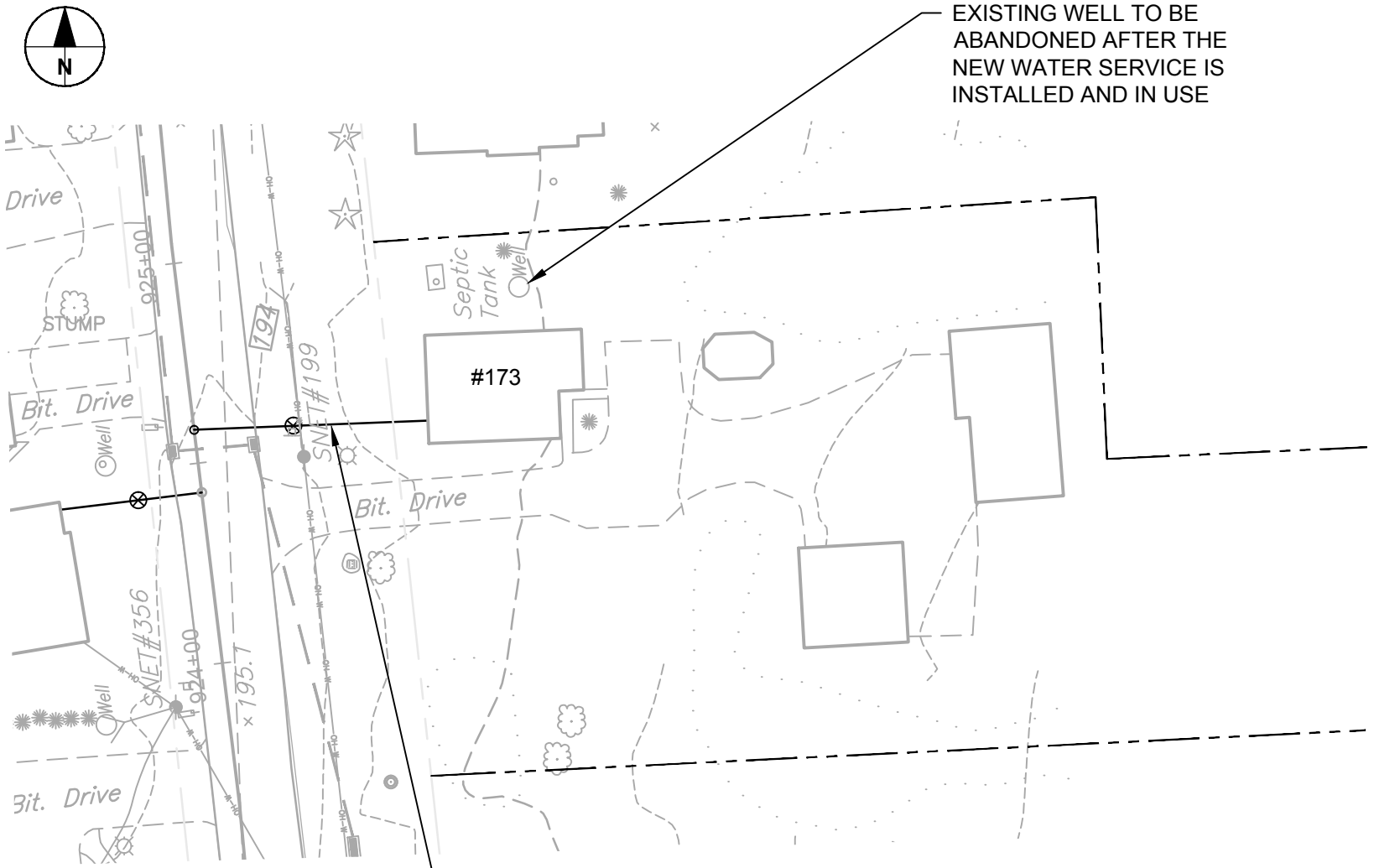
TOWN OF DURHAM
172 MAPLE AVENUE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	172 Maple Ave.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

173 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
173 MAPLE AVENUE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-173MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

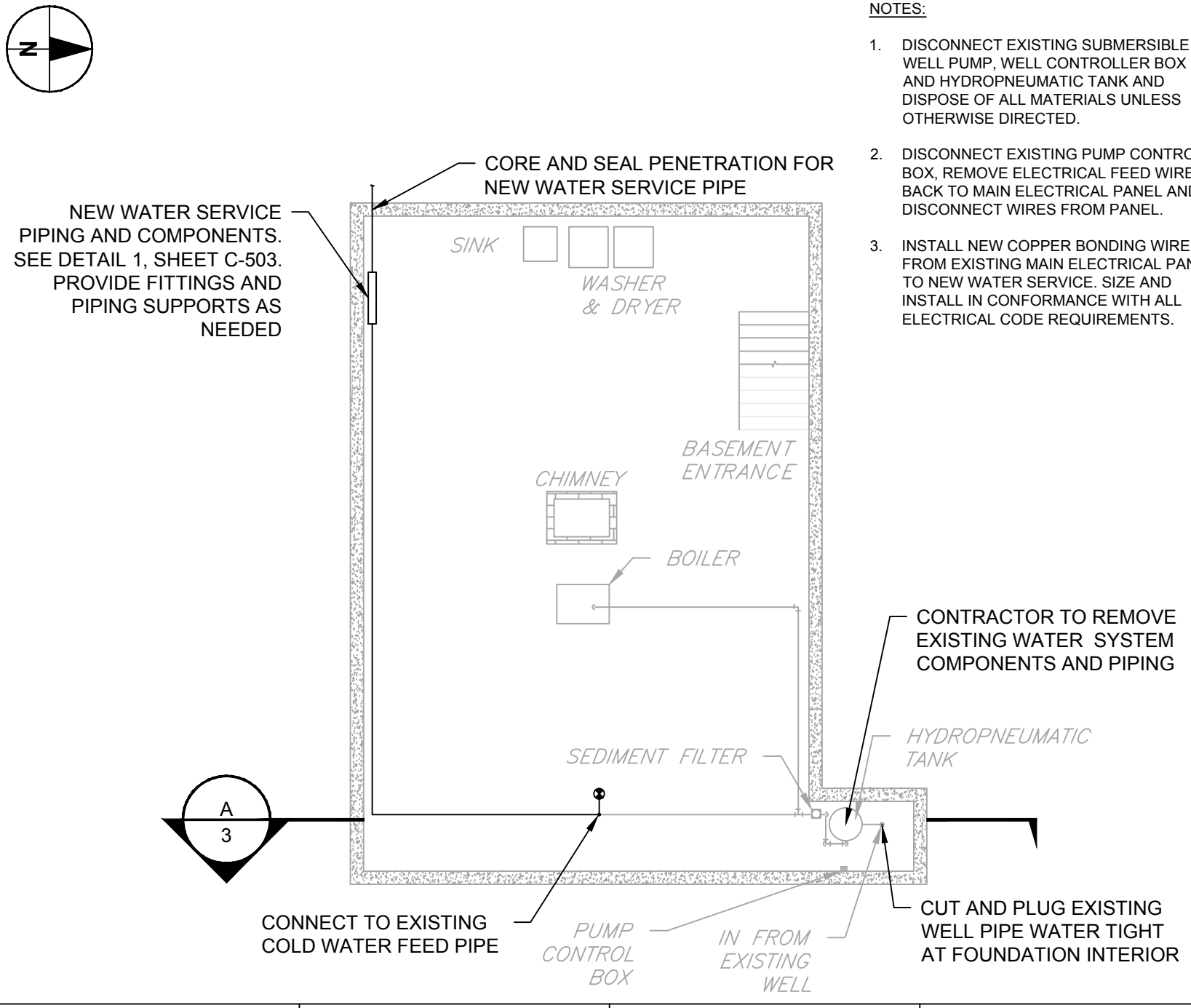
PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

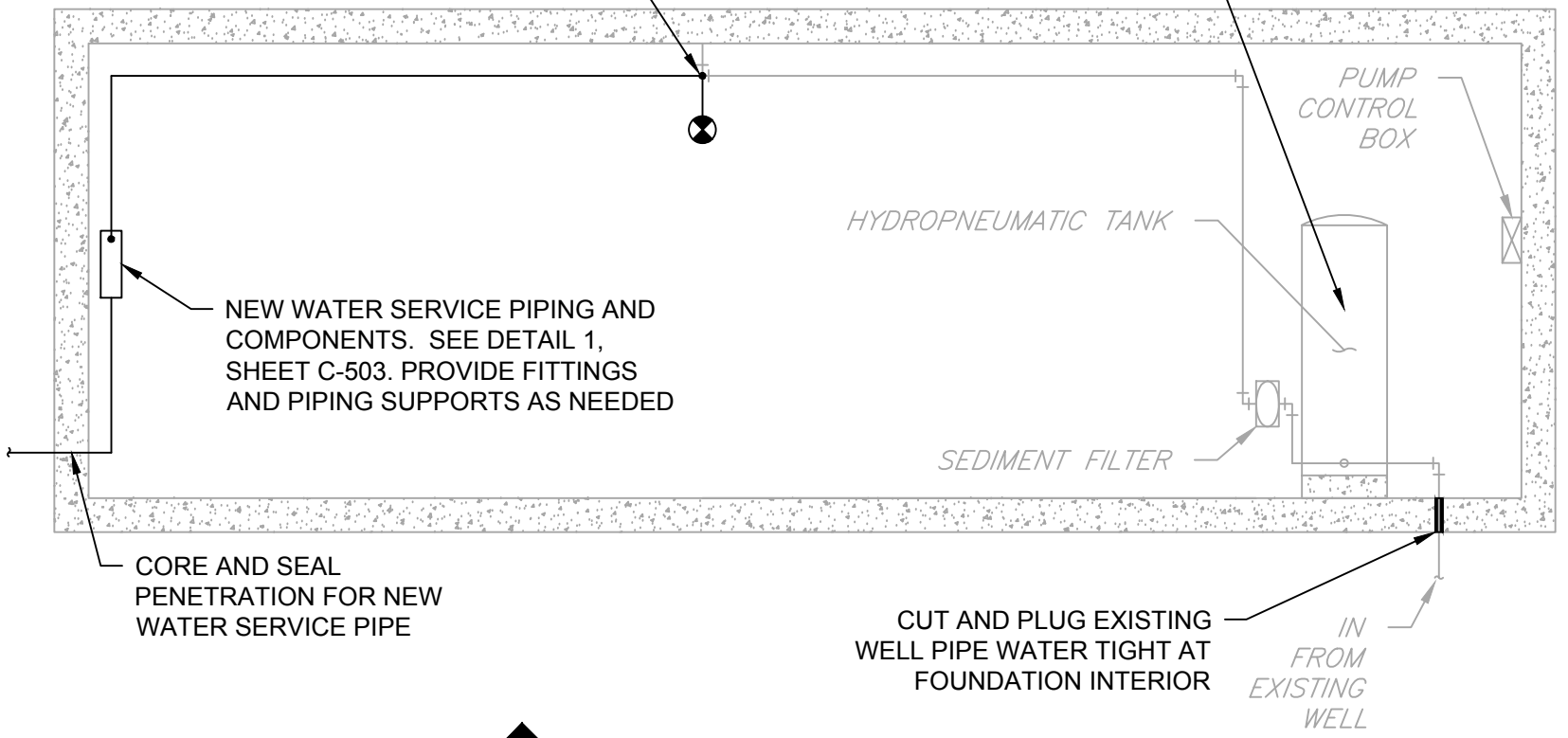
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
173 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	173 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
173 MAPLE AVE.

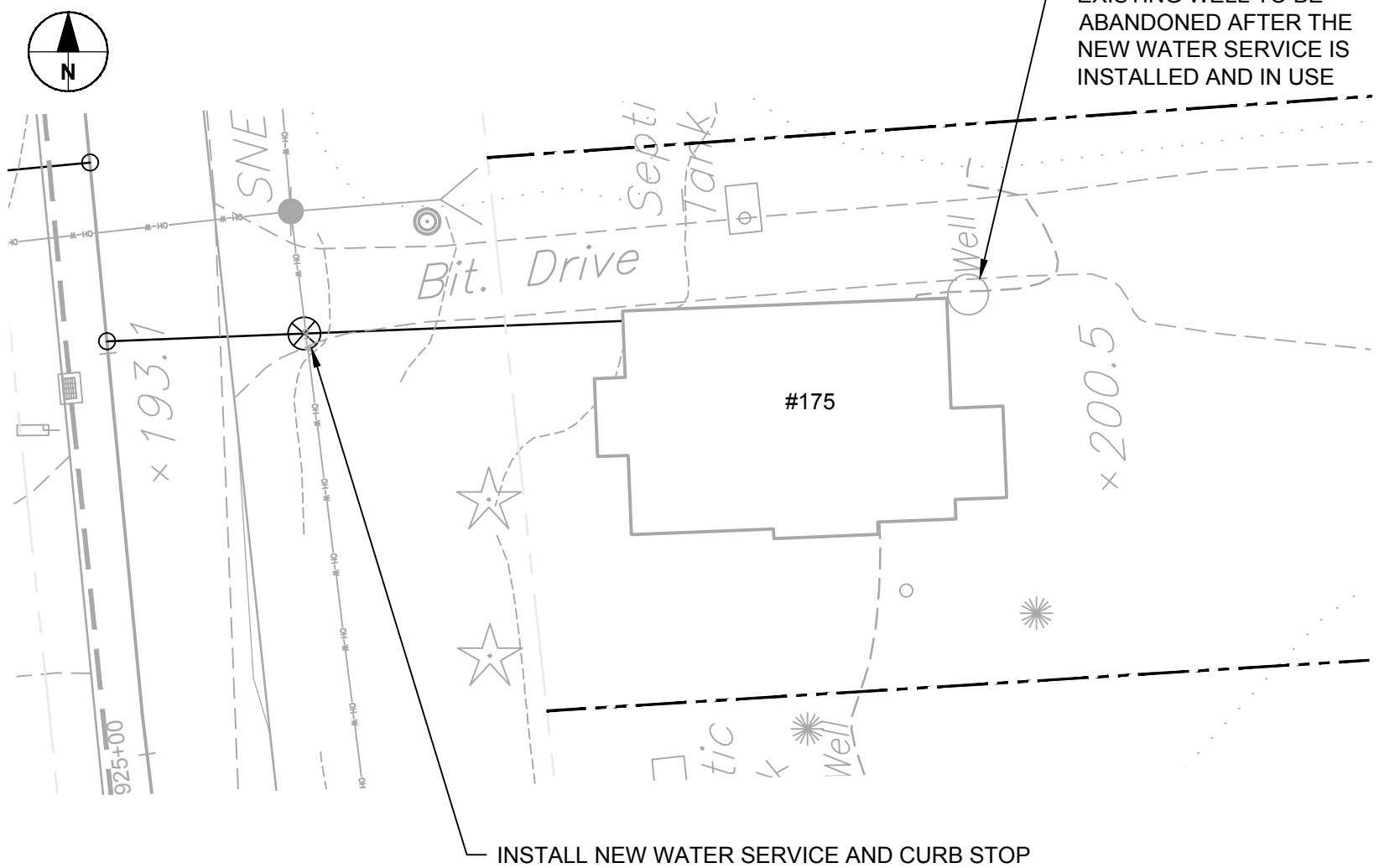
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	173 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

175 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

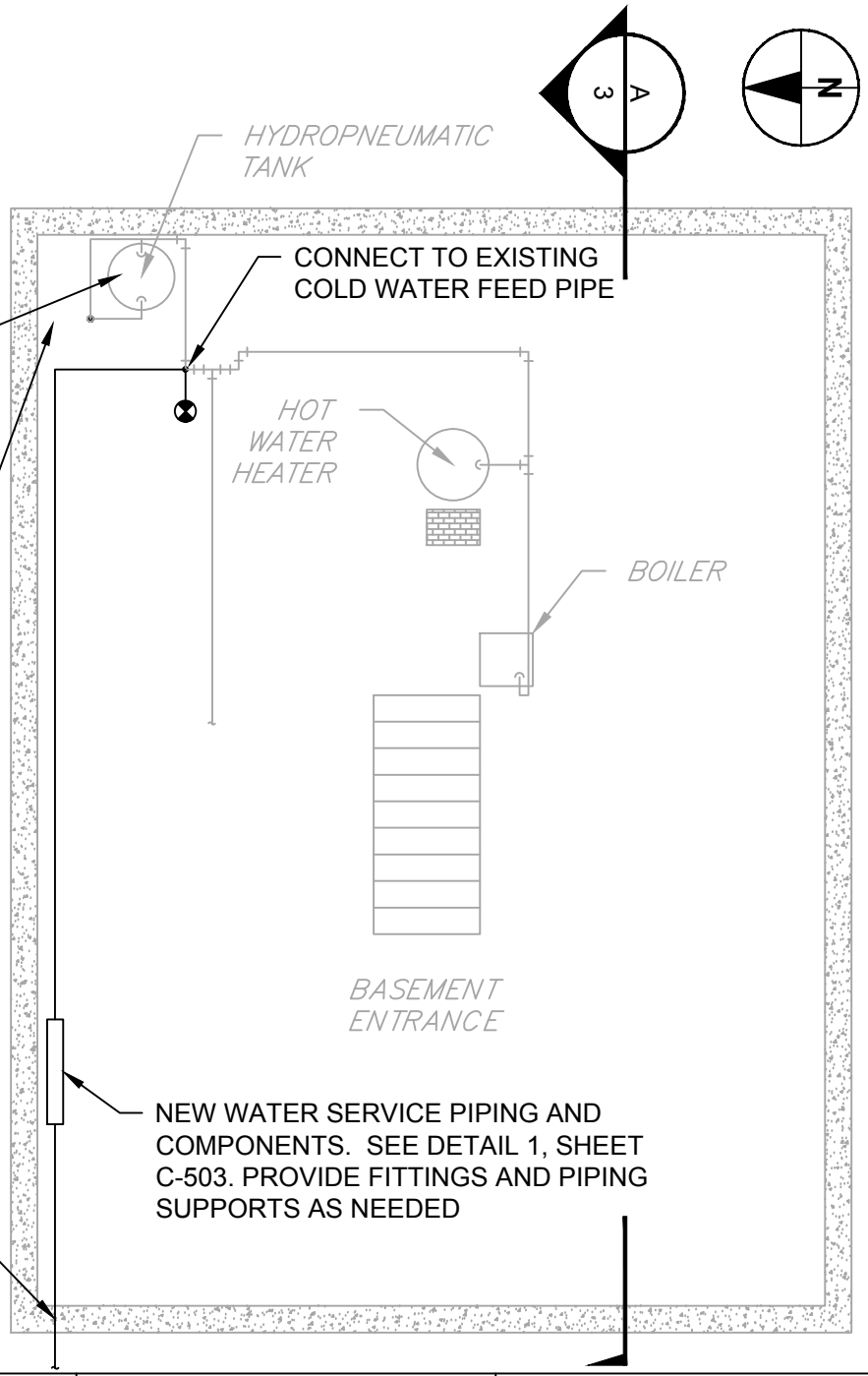
TOWN OF DURHAM
175 MAPLE AVENUE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-175MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

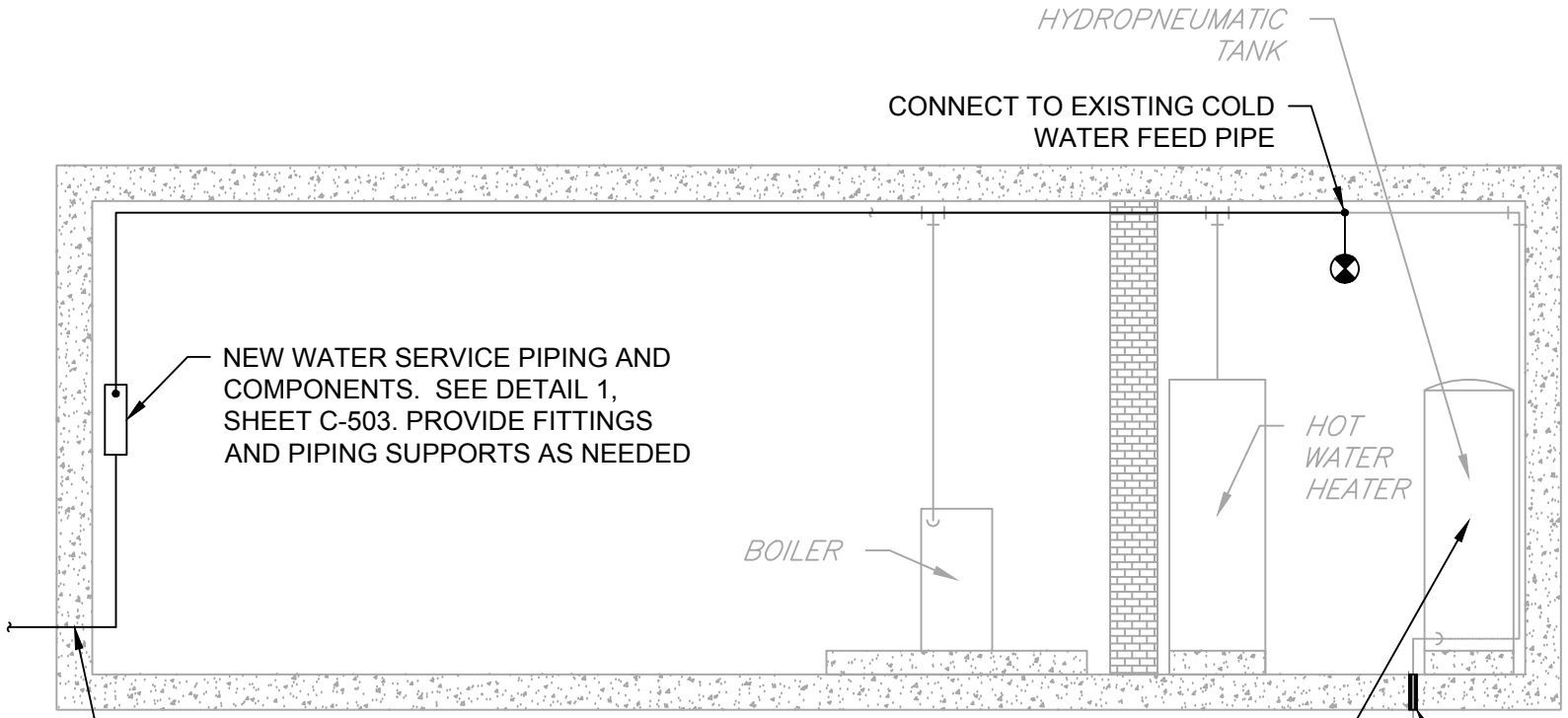
TOWN OF DURHAM
175 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	175 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

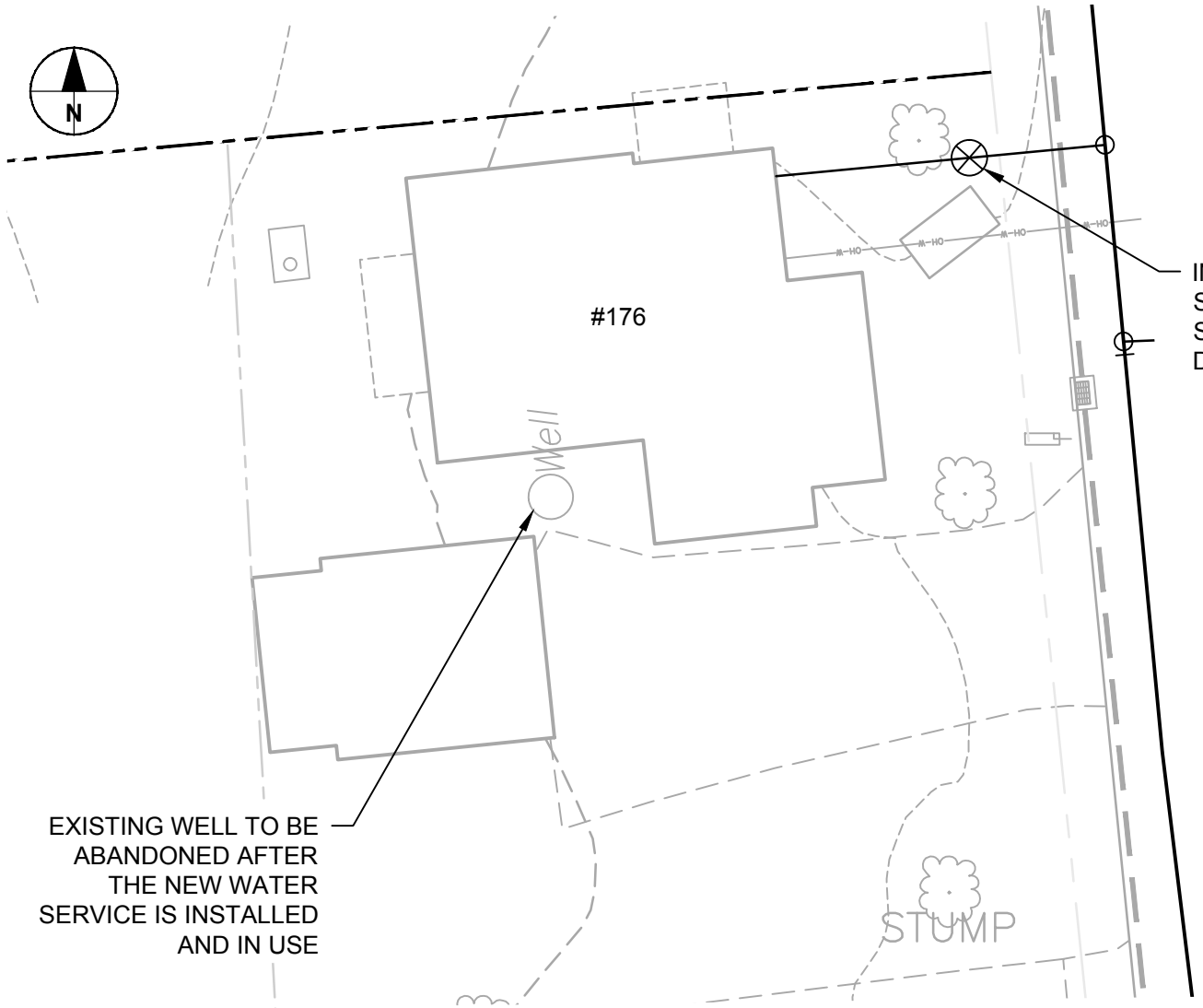
TOWN OF DURHAM
175 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	175 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

176 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

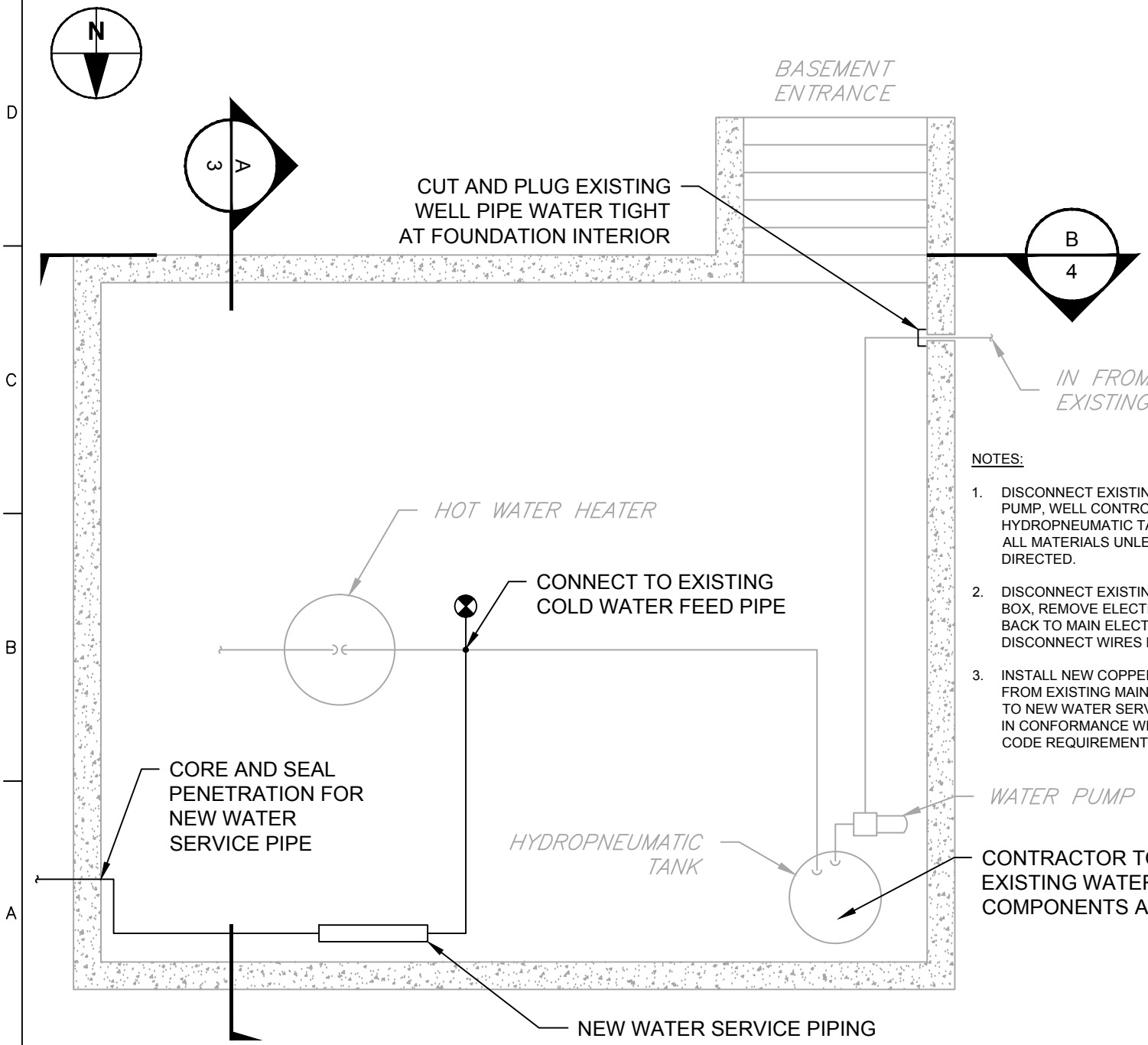
TOWN OF DURHAM
176 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-176MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 4

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

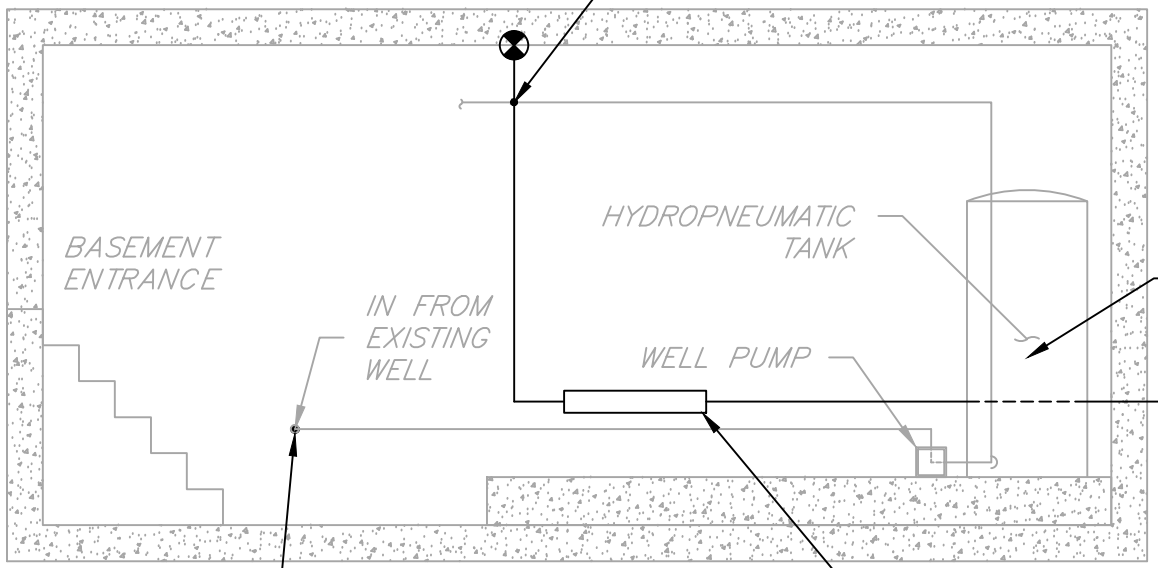
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
176 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	176 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

WEST VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

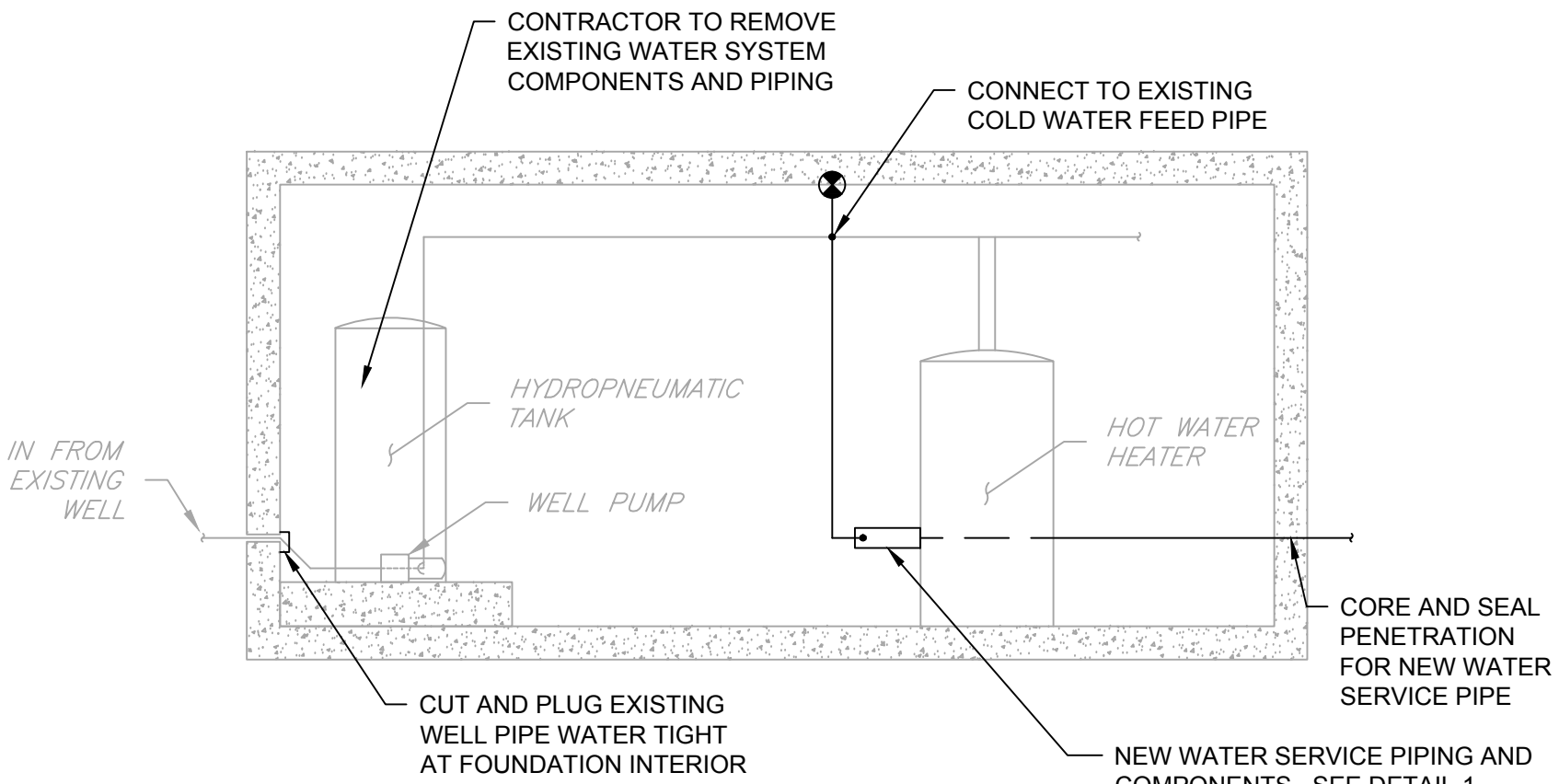
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
176 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION A VIEW

PROJECT NO:	60275749
CAD FILE:	176 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

NORTH VIEW



B
2

SECTION B-B

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
176 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
ELEVATION B VIEW

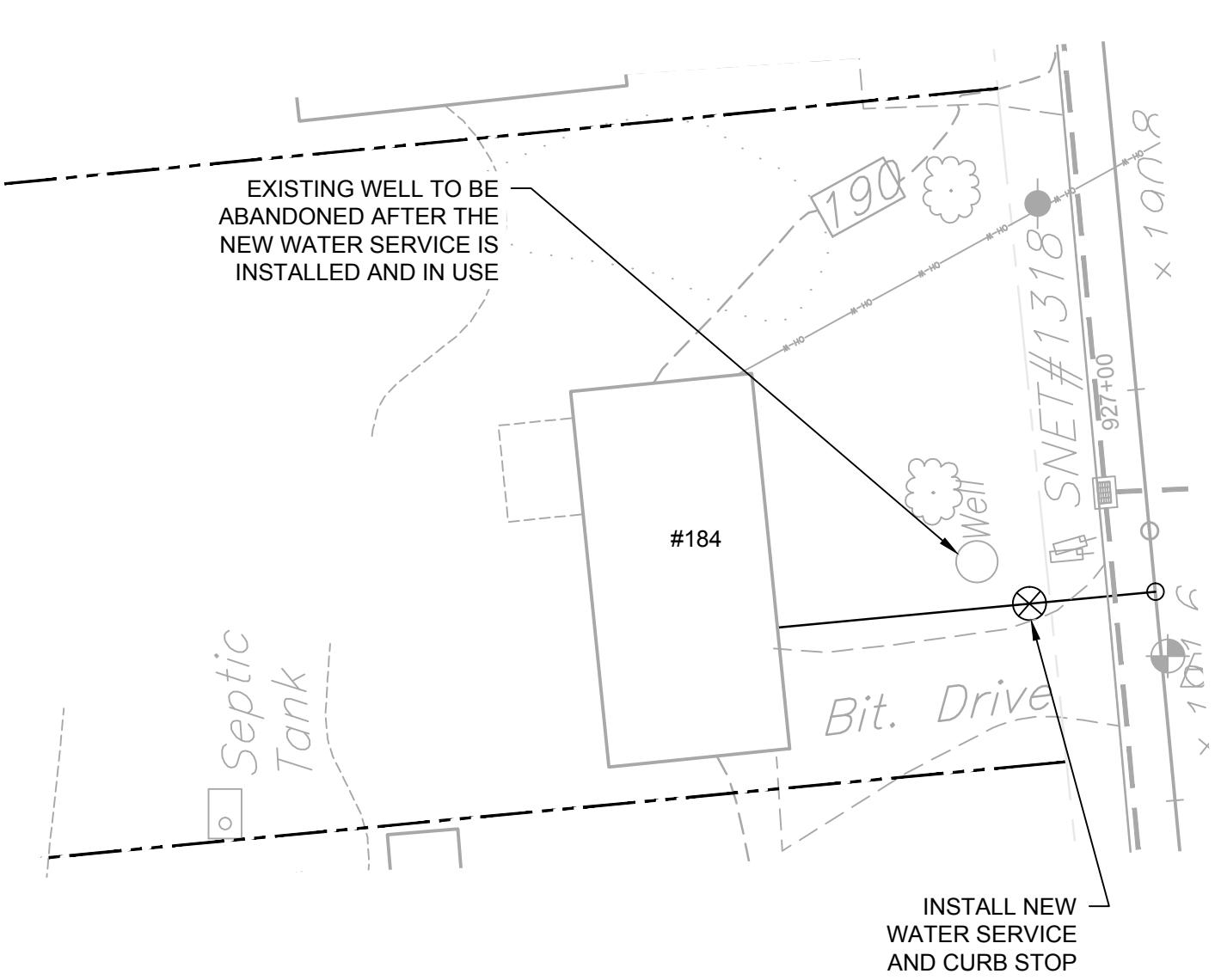
PROJECT NO:	60275749
CAD FILE:	176 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

Page intentionally left blank

184 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

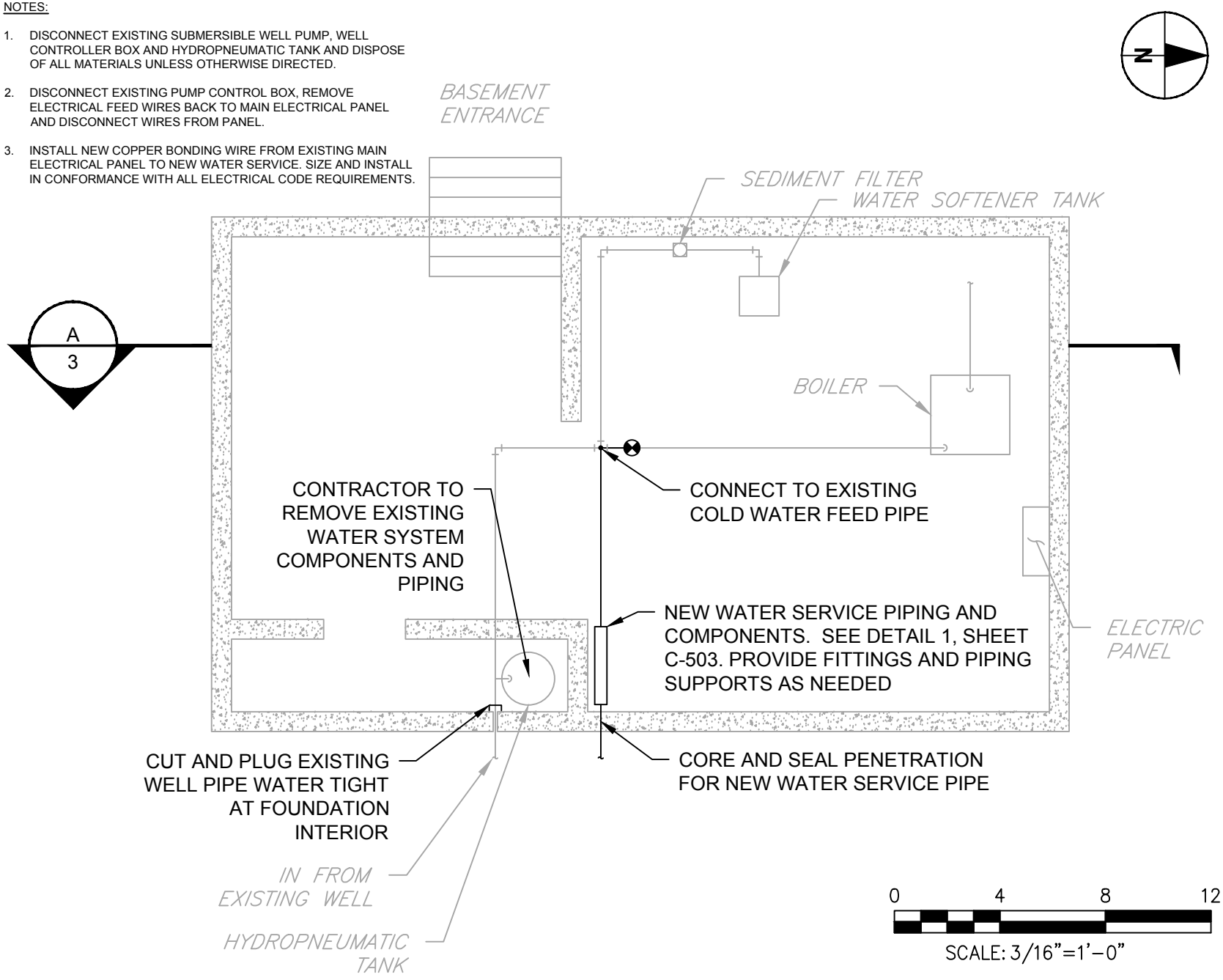
TOWN OF DURHAM
184 MAPLE AVENUE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-184MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

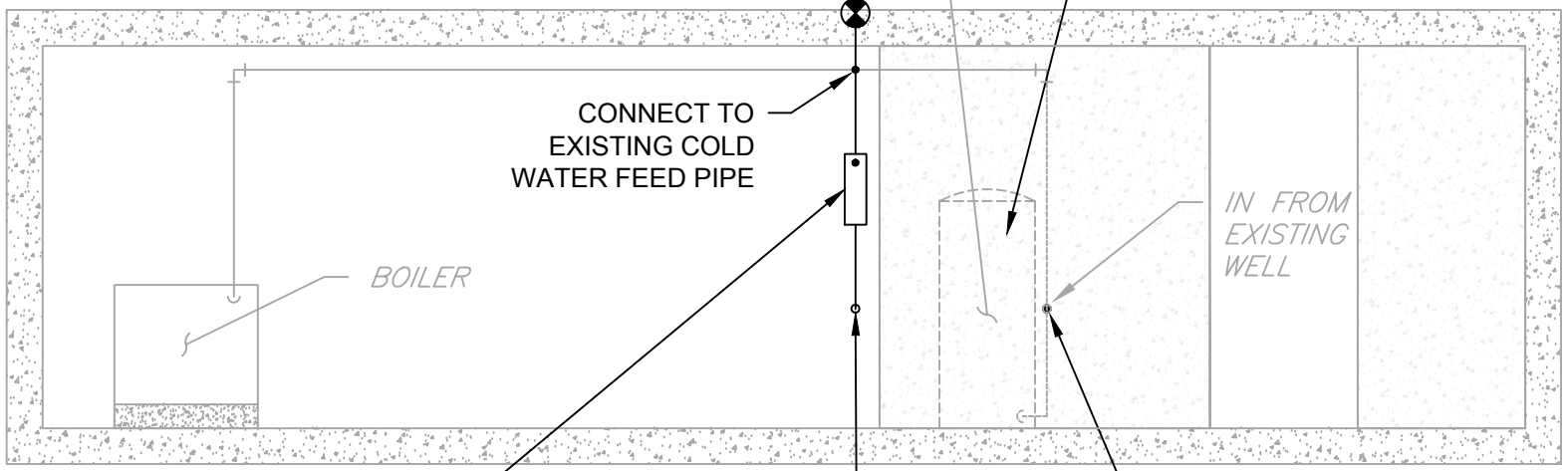
TOWN OF DURHAM
184 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	184 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
184 MAPLE AVE.

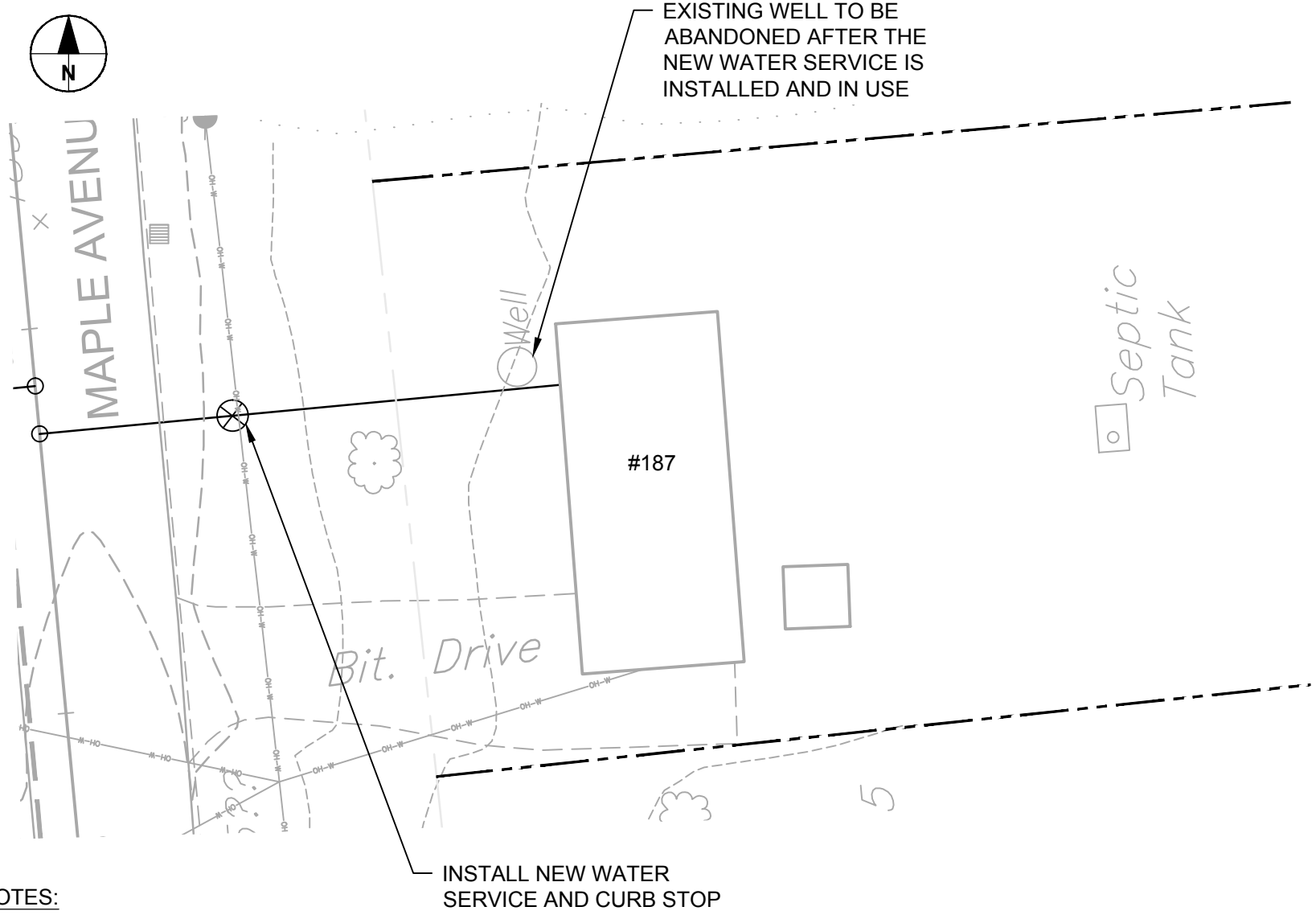
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	184 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

187 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
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PHONE (860) 263-5800

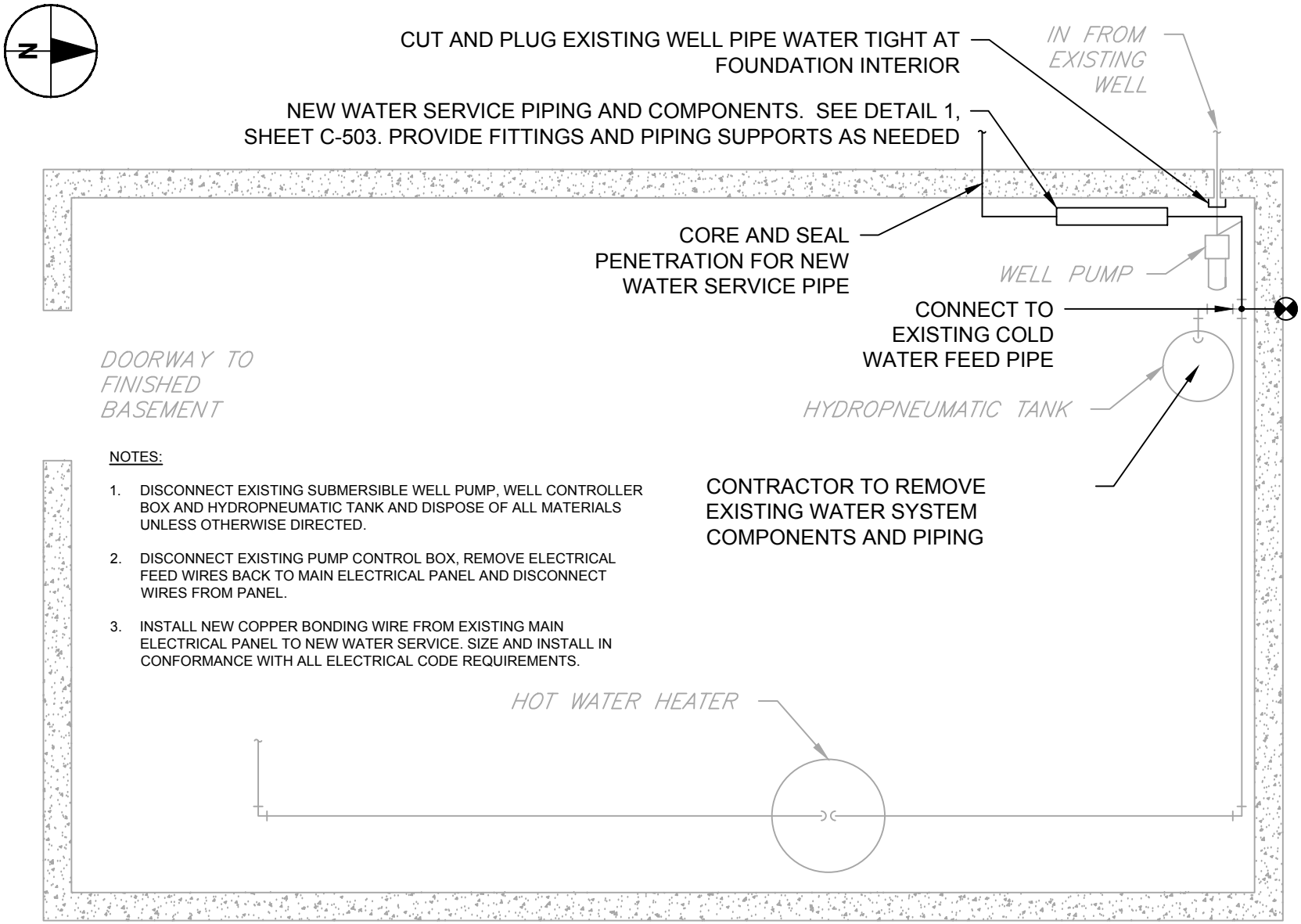
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
187 MAPLE AVENUE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-187MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

A 3

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

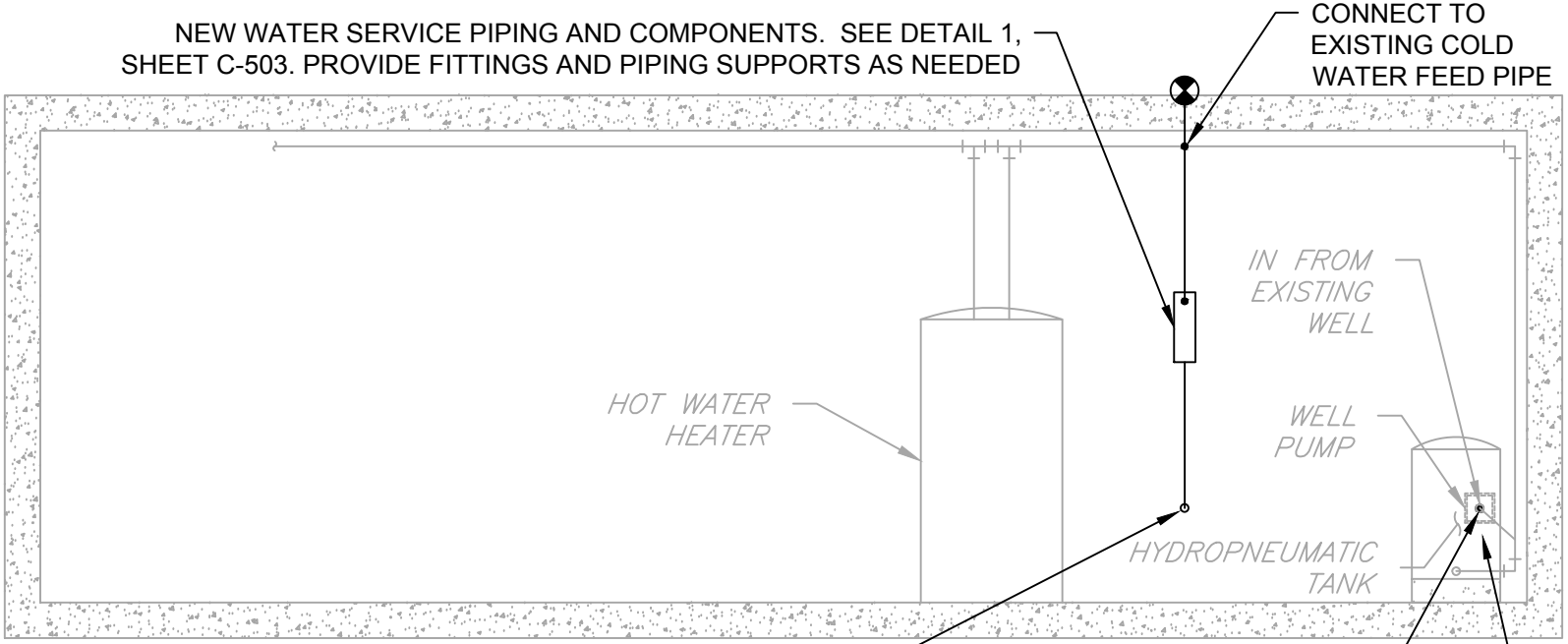
TOWN OF DURHAM
187 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	187 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

WEST VIEW



SECTION A-A

A
2

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
187 MAPLE AVE.

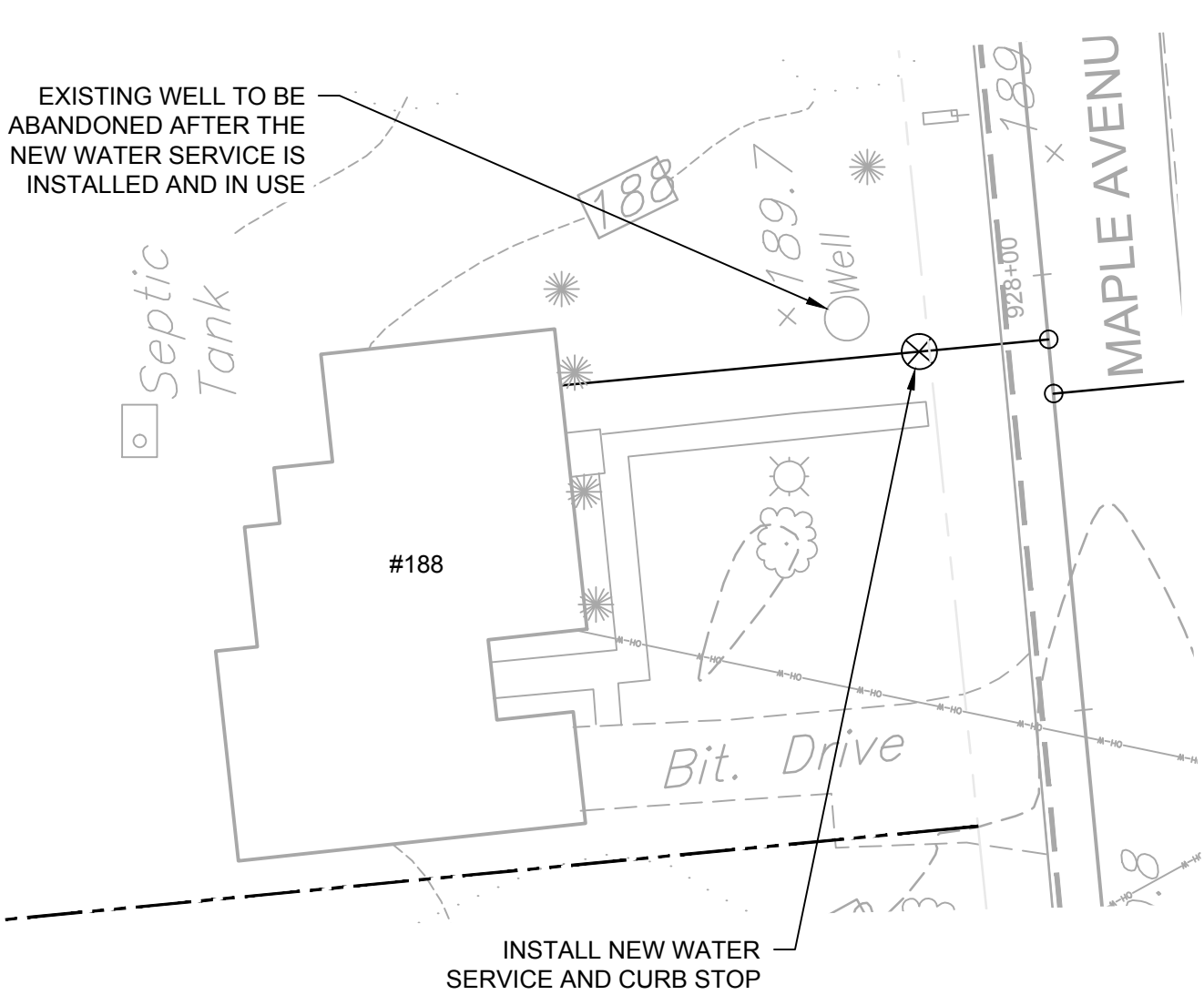
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	187 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

188 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

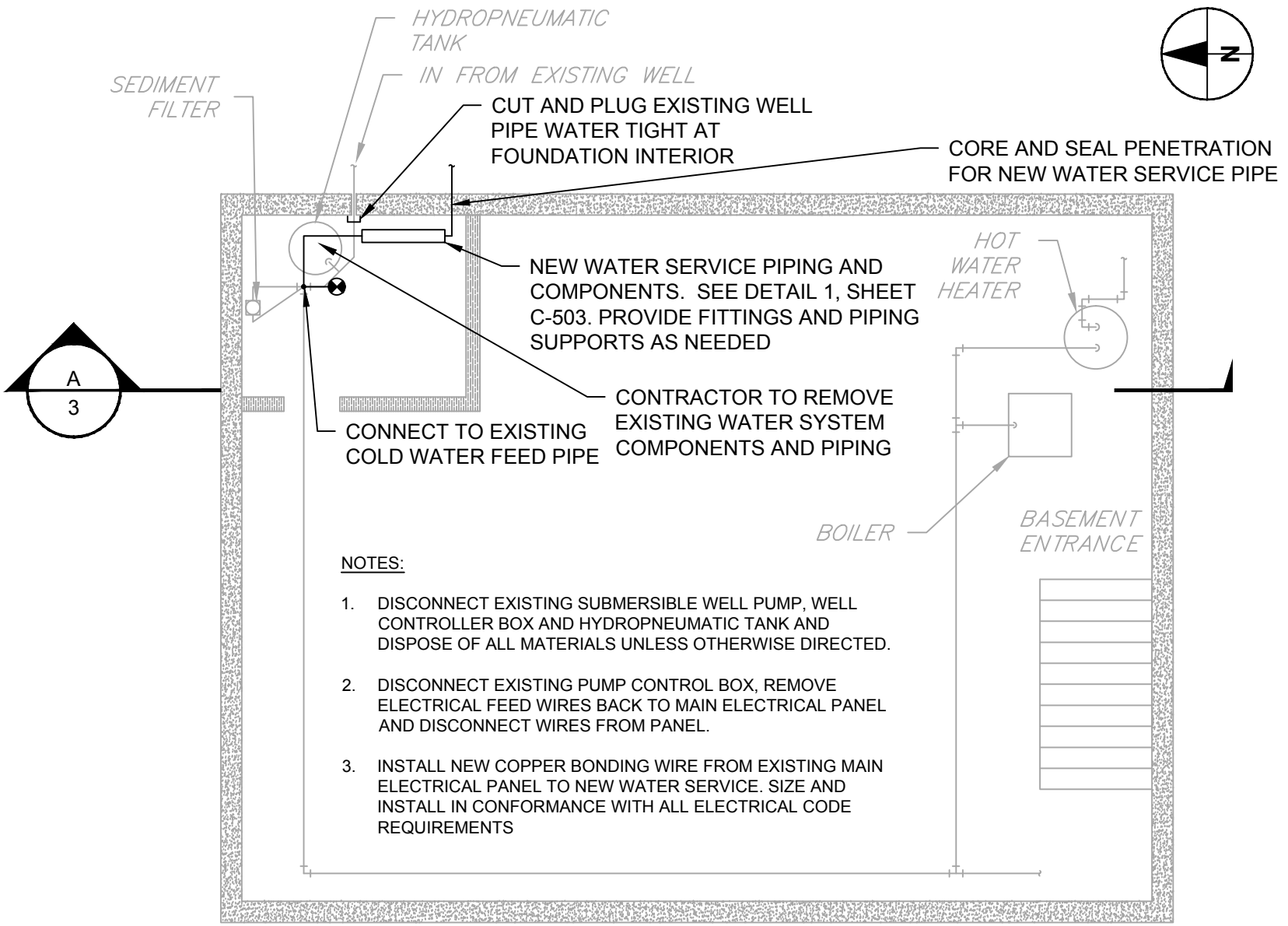
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
188 MAPLE AVENUE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-188MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

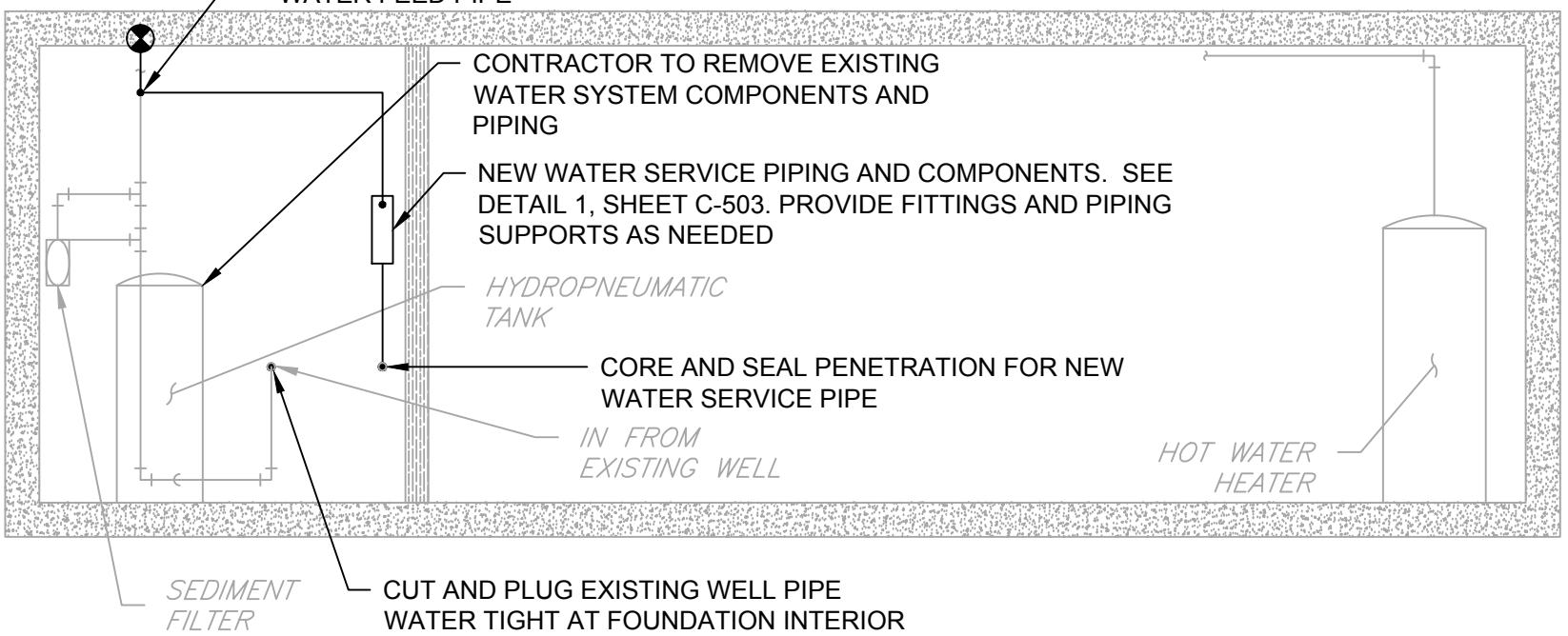
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
188 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	188 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

WEST VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

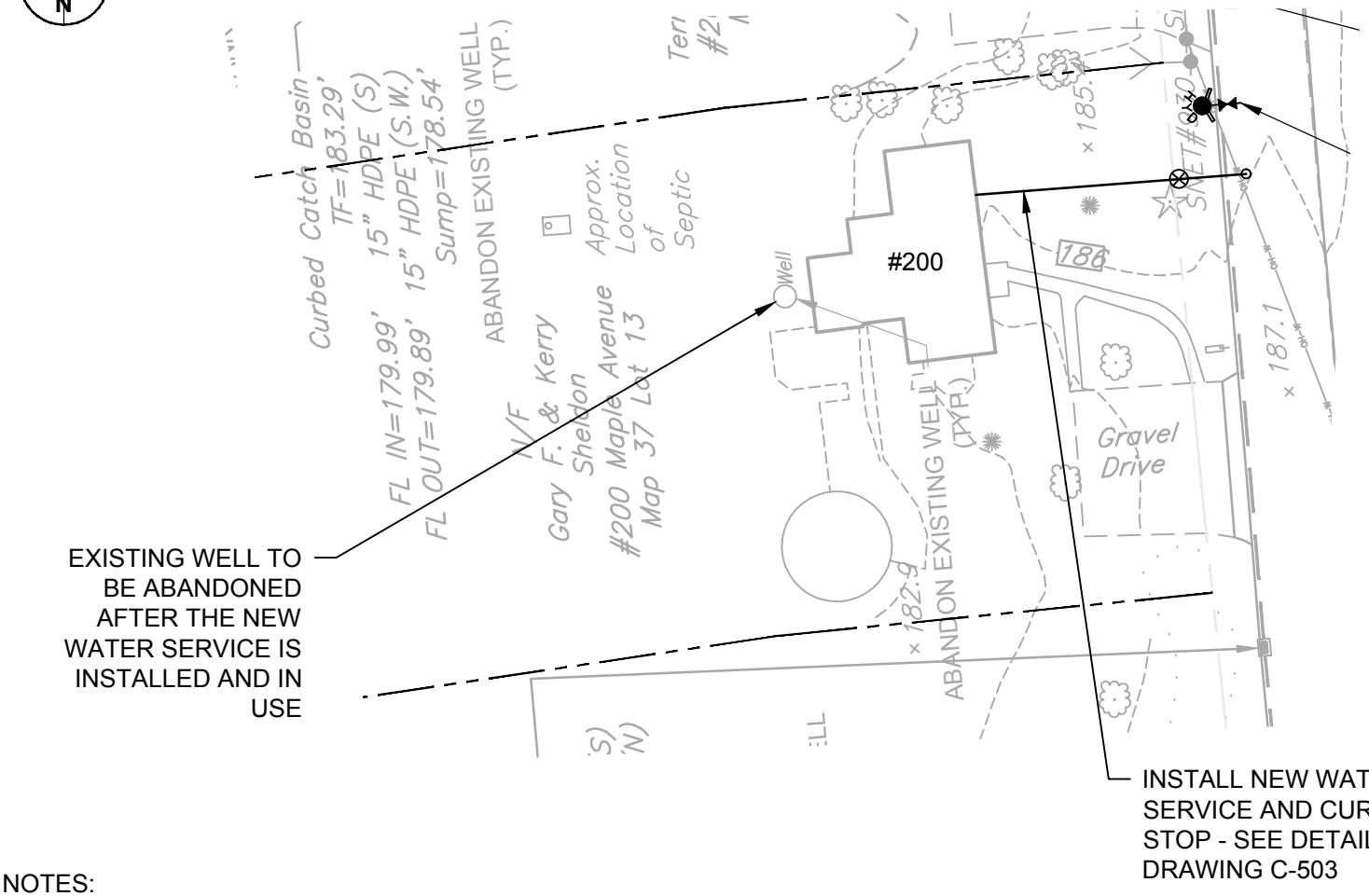
TOWN OF DURHAM
188 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	188 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

200 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. THIS PROPERTY HAS A BURIED DOG WIRE AROUND THE PROPERTY,IN ADDITION TO BURIED DRAINS AND UNDERGROUND CONDUIT. CONTRACTOR TO COORDINATE LOCATIONS OF UNDERGROUND UTILITIES WITH THE PROPERTY OWNER.
2. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
3. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
4. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
5. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

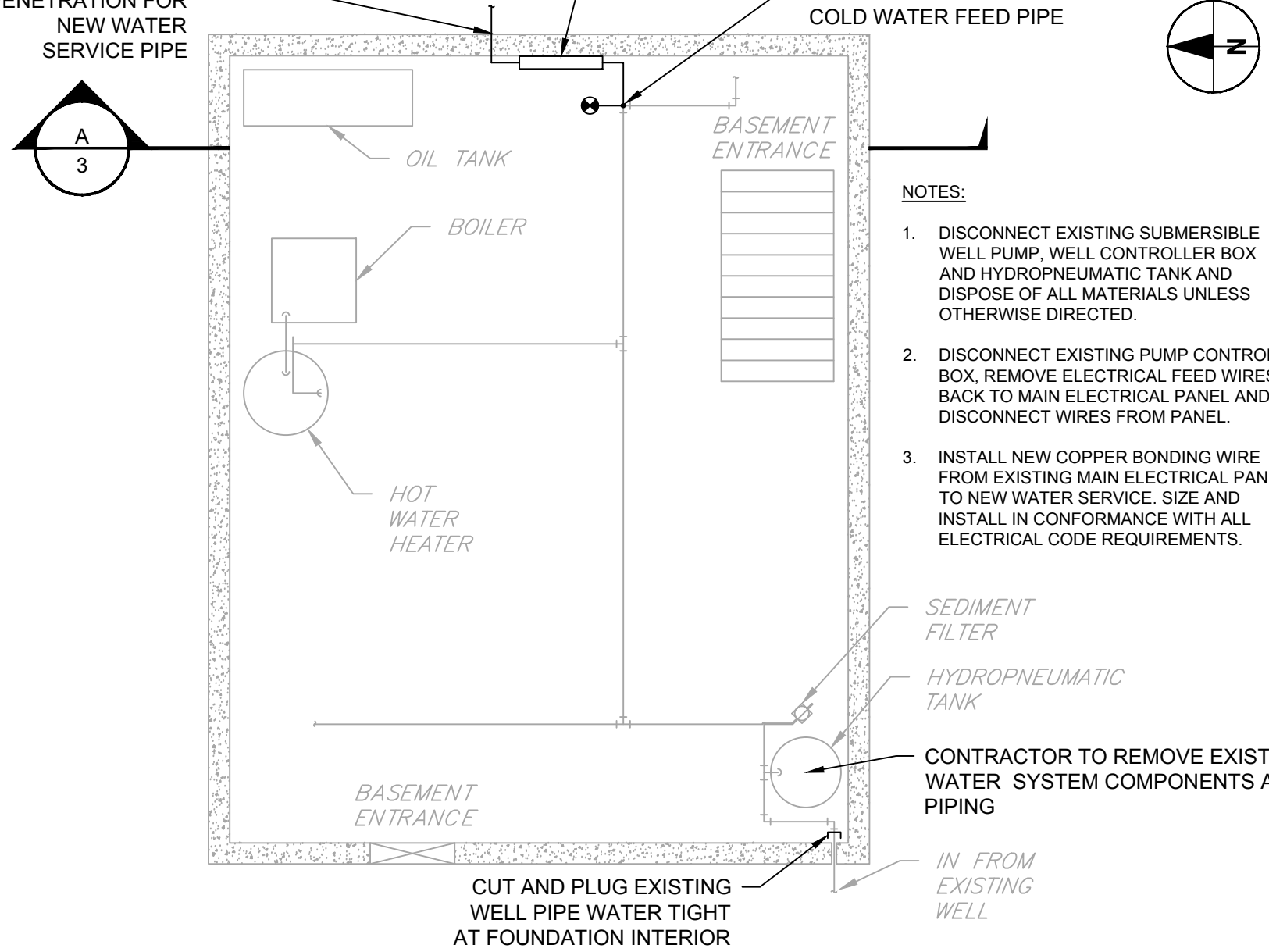
TOWN OF DURHAM
200 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-200MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

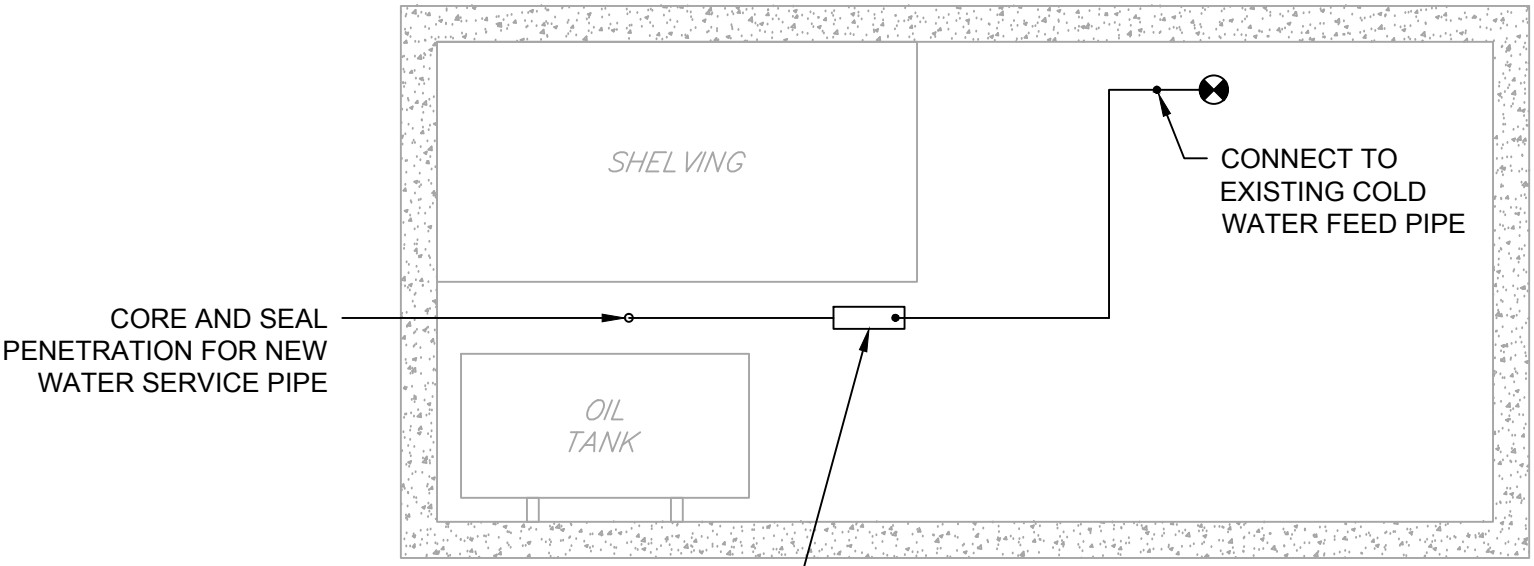
TOWN OF DURHAM
200 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	200 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
200 MAPLE AVE.

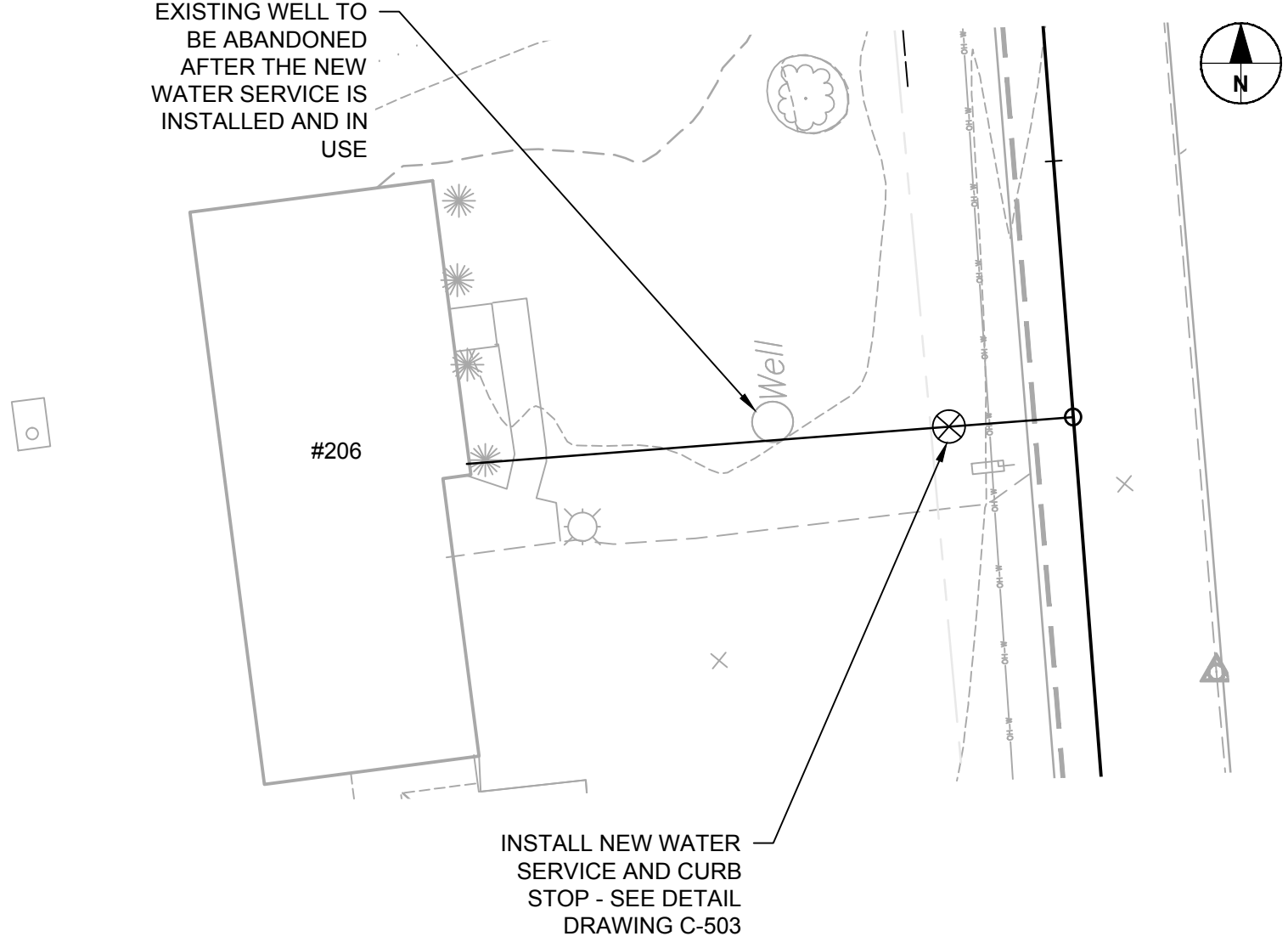
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	200 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

206 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
206 MAPLE AVE.

SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-206MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

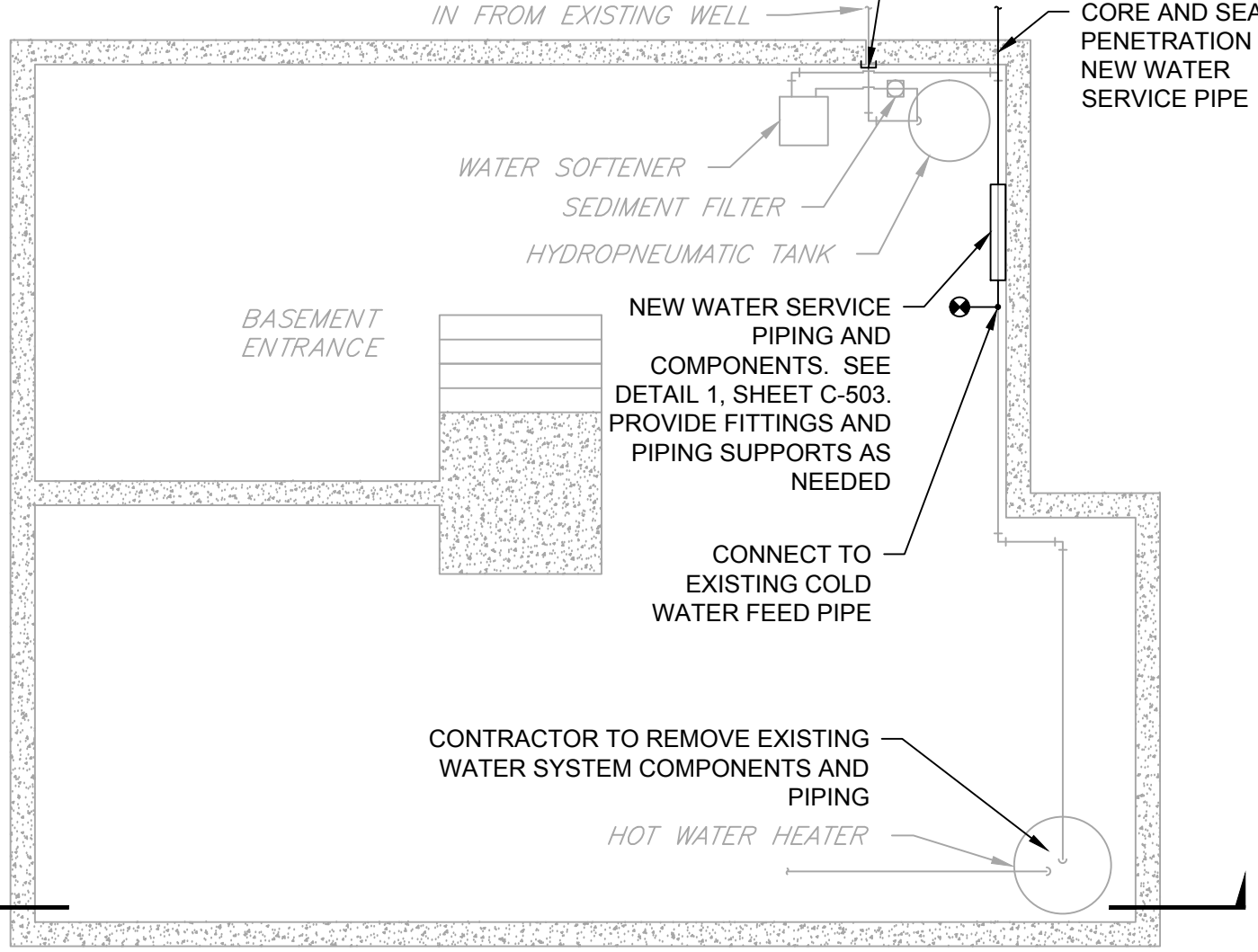
PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. THIS PROPERTY HAS AN ADDITIONAL APARTMENT ON THE SOUTH SIDE ABOVE THE GARAGE WITH A SEPARATE WATER SYSTEM. CONTRACTOR TO MAKE CONNECTIONS TO THE APARTMENT AS WELL.



A
3

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

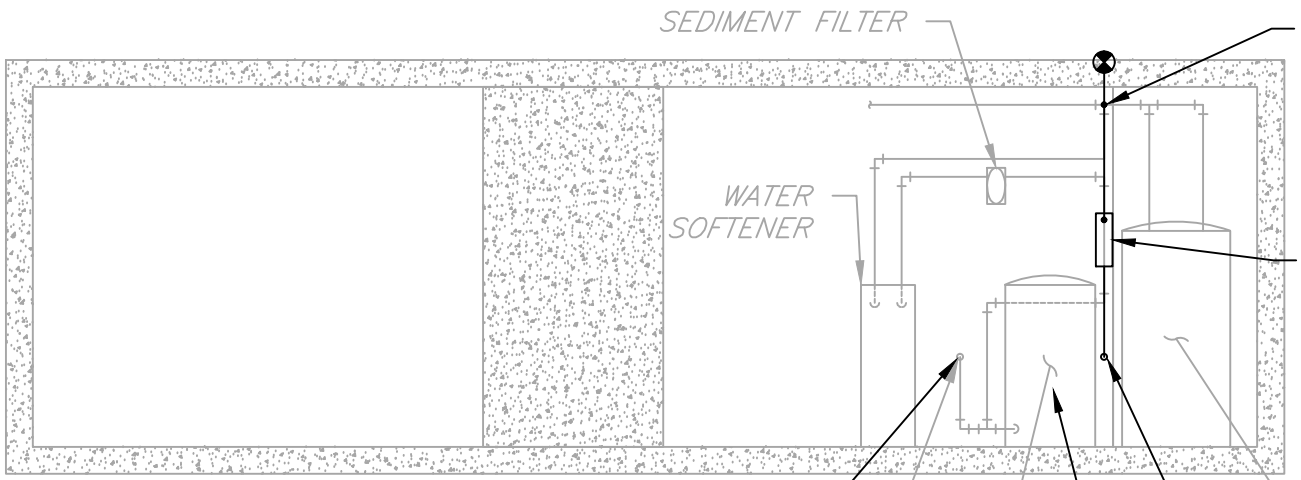
TOWN OF DURHAM
206 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	206 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
206 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	206 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

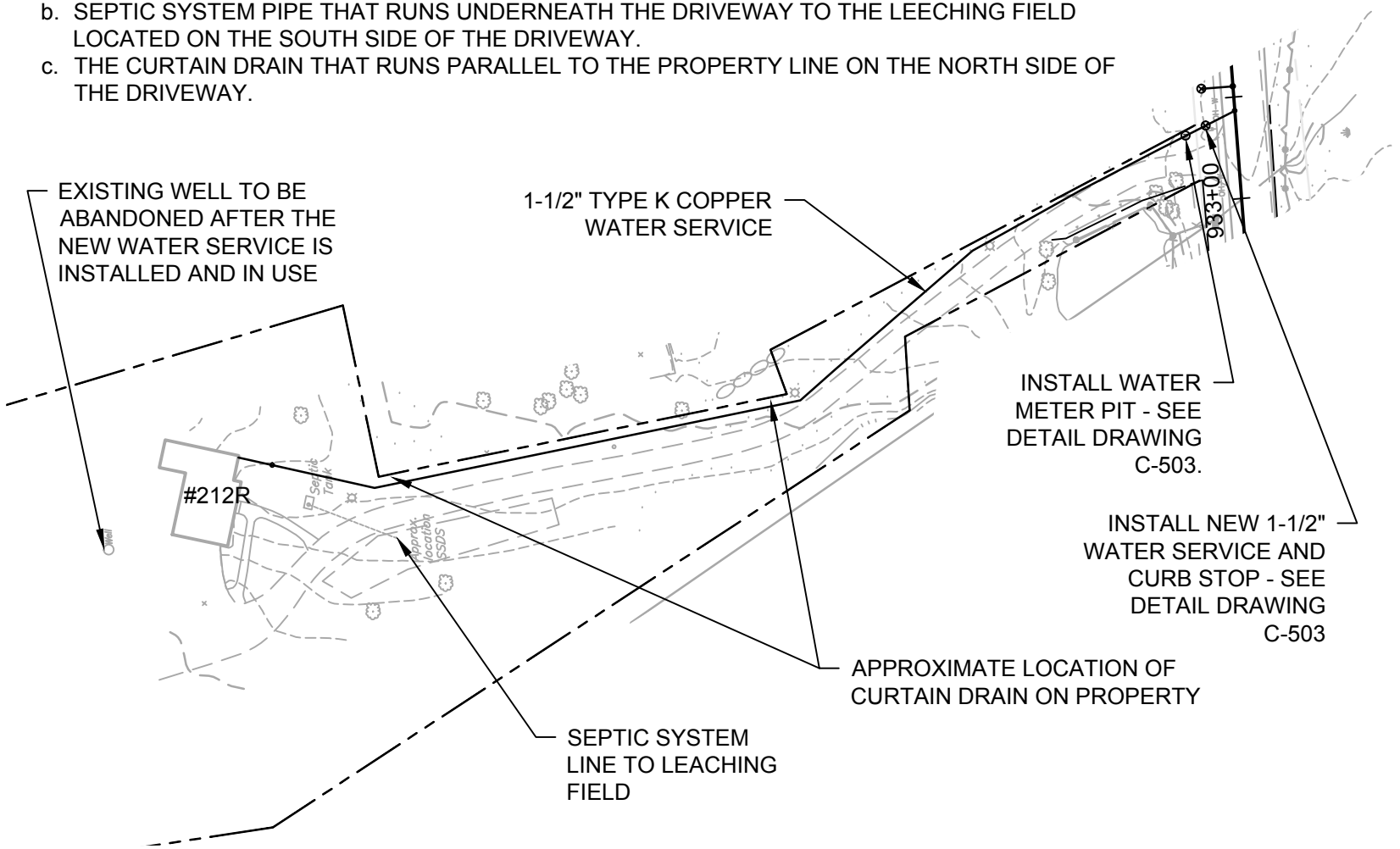
212R Maple Avenue

PLOTTED: 23-Jan-18

0 80' 160'

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.
5. THE CONTRACTOR SHALL EXERCISE NECESSARY CARE WHEN INSTALLING THE WATER LINE AROUND UTILITIES INCLUDING:
   a. ELECTRICAL UTILITIES CONNECTING LIGHT POSTS.
   b. SEPTIC SYSTEM PIPE THAT RUNS UNDERNEATH THE DRIVEWAY TO THE LEECHING FIELD LOCATED ON THE SOUTH SIDE OF THE DRIVEWAY.
   c. THE CURTAIN DRAIN THAT RUNS PARALLEL TO THE PROPERTY LINE ON THE NORTH SIDE OF THE DRIVEWAY.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
212R MAPLE AVE.

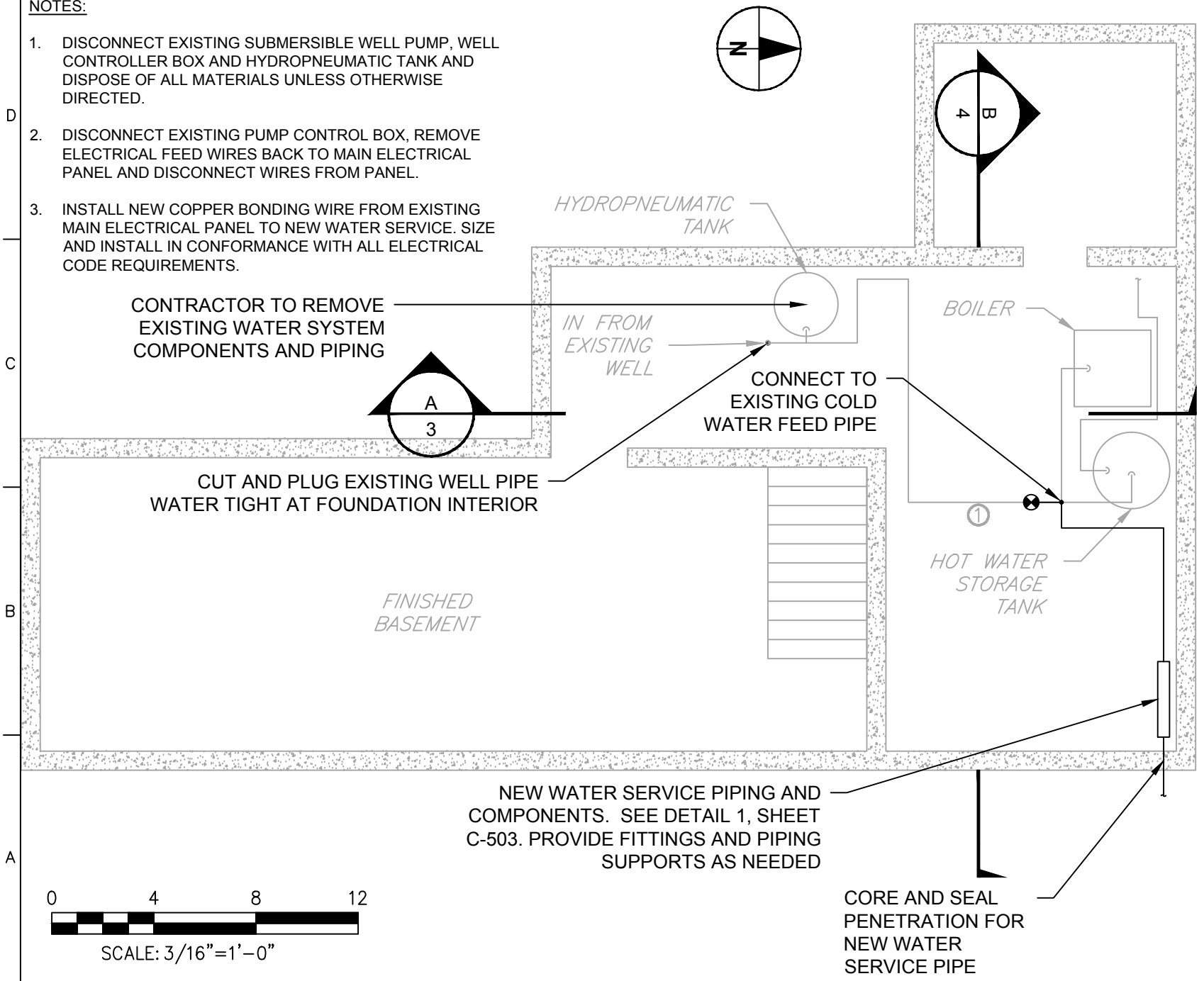
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-212RMAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 80'
SHEET	1 OF 4

PLOTTED: 23-Jan-18

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

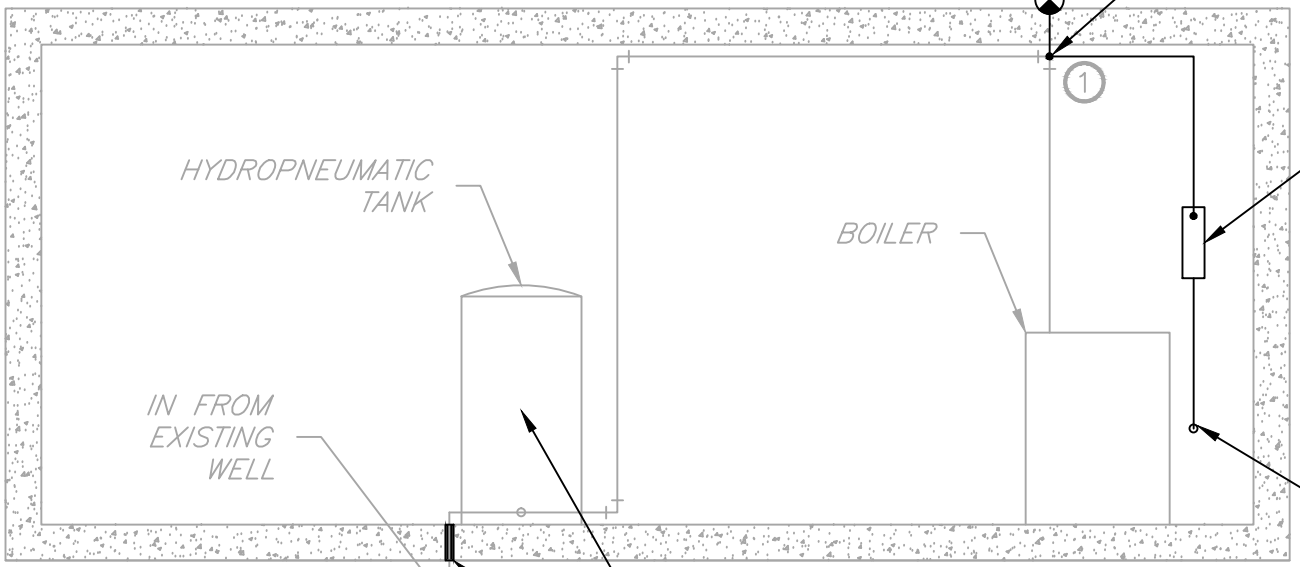
TOWN OF DURHAM
212R MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	212R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

WEST VIEW



CONNECT TO EXISTING COLD WATER FEED PIPE

NEW WATER SERVICE PIPING AND COMPONENTS. SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

CONTRACTOR TO REMOVE EXISTING WATER SYSTEM COMPONENTS AND PIPING

CUT AND PLUG EXISTING WELL PIPE WATER TIGHT AT FOUNDATION INTERIOR

A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

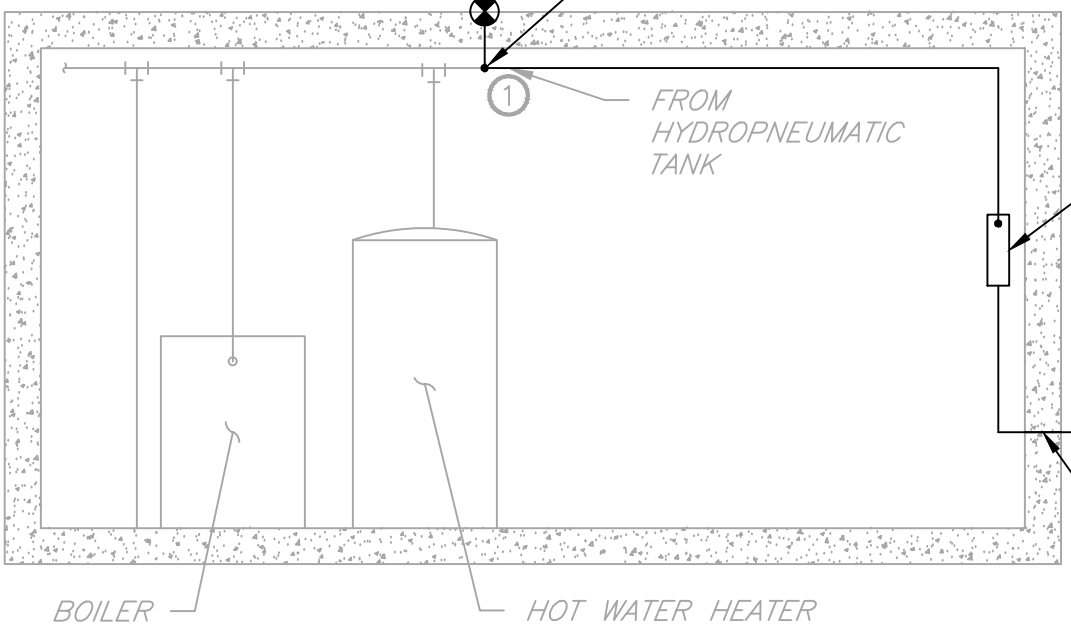
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
212R MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION A VIEW

PROJECT NO:	60275749
CAD FILE:	212R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

NORTH VIEW



B
2

SECTION B-B

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
212R MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
ELEVATION B VIEW

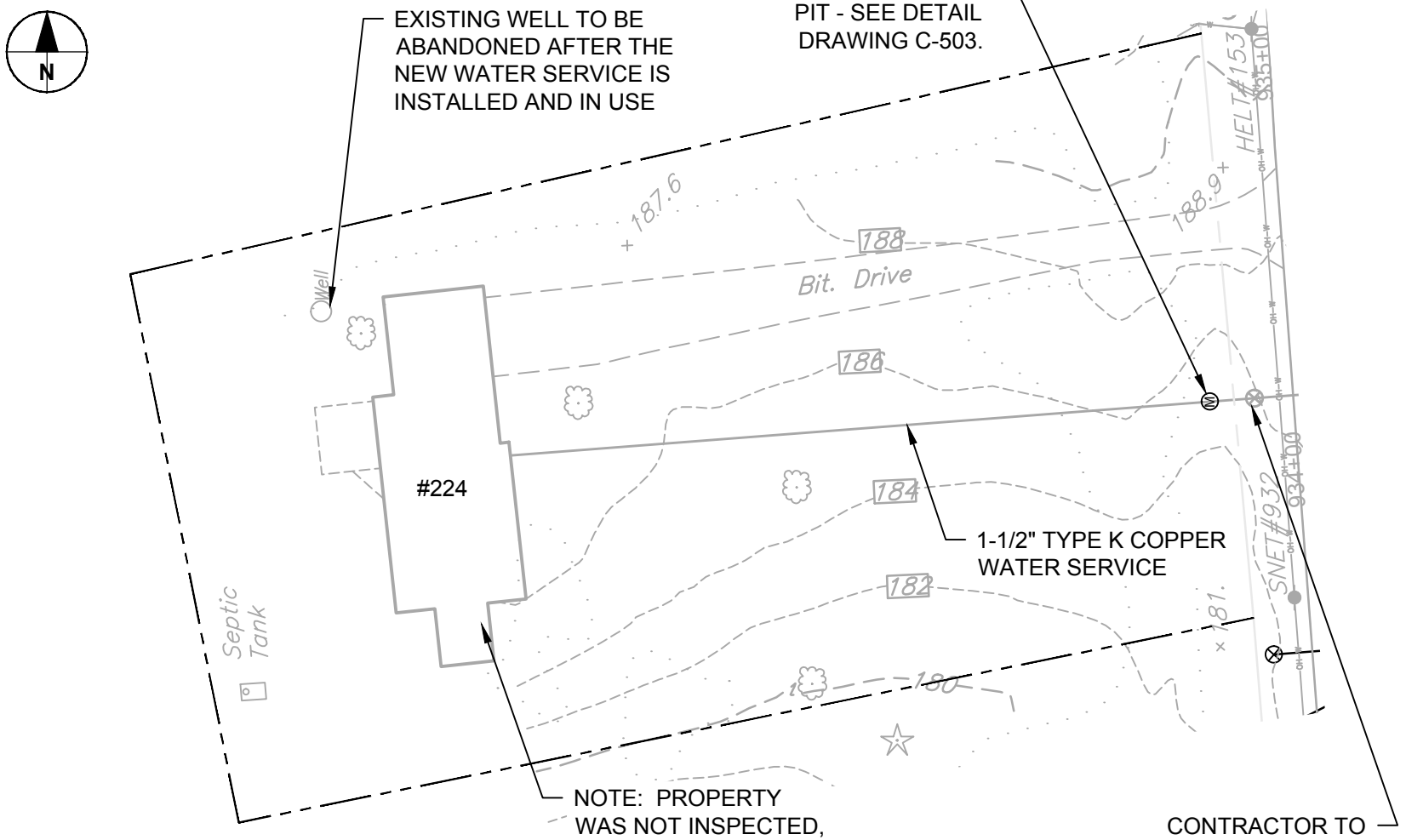
PROJECT NO:	60275749
CAD FILE:	212R Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	4 OF 4

Page intentionally left blank

224 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

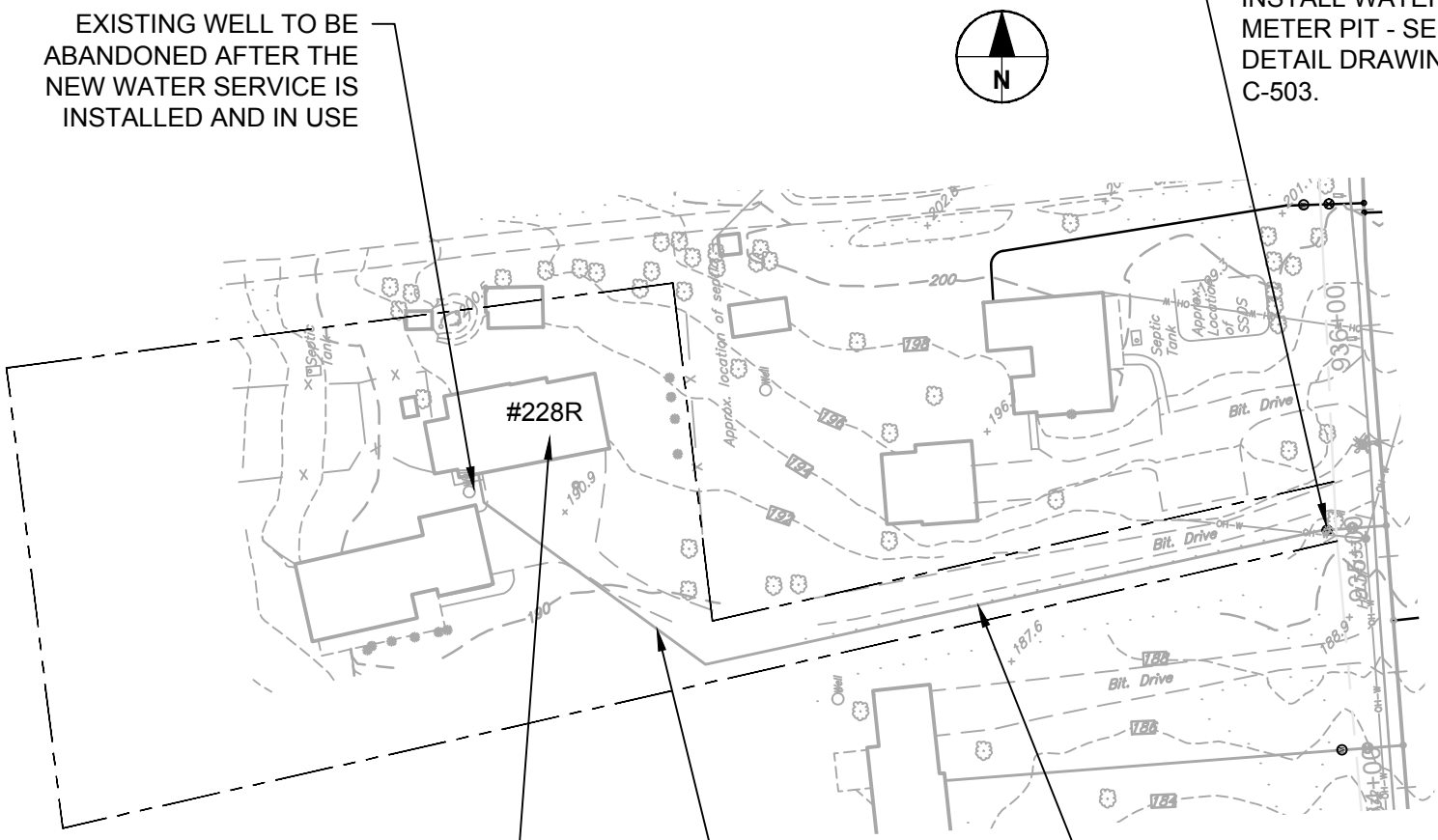
TOWN OF DURHAM
224 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-224MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	APRIL 2018
SCALE:	1" = 20'
SHEET	1 OF 1

228R Maple Avenue

PLOTTED: 23-Jan-18

0 80' 160'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
228R MAPLE AVE.

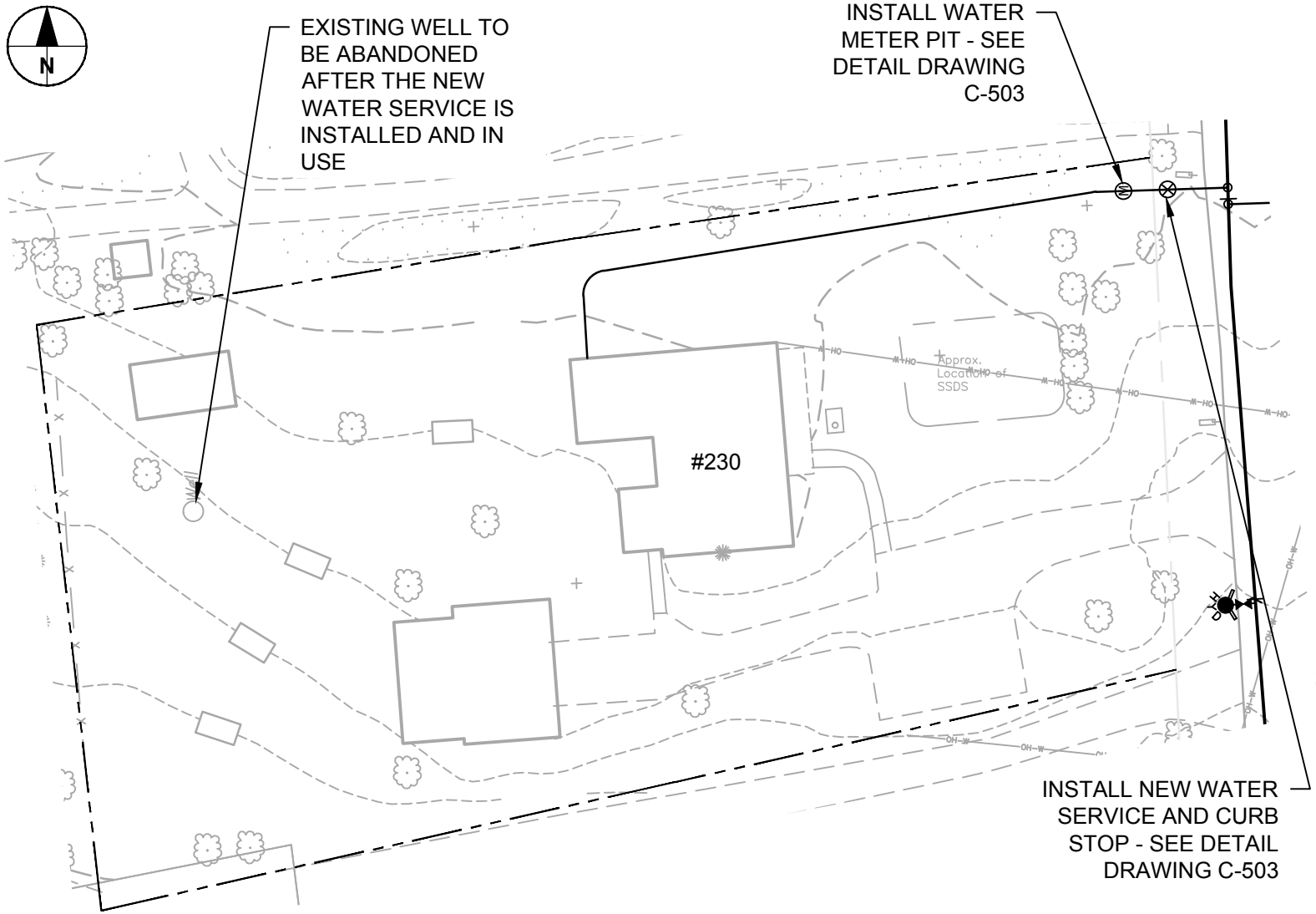
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-228RMAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	APRIL 2018
SCALE:	1" = 80'
SHEET	1 OF 1

230 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
230 MAPLE AVE.

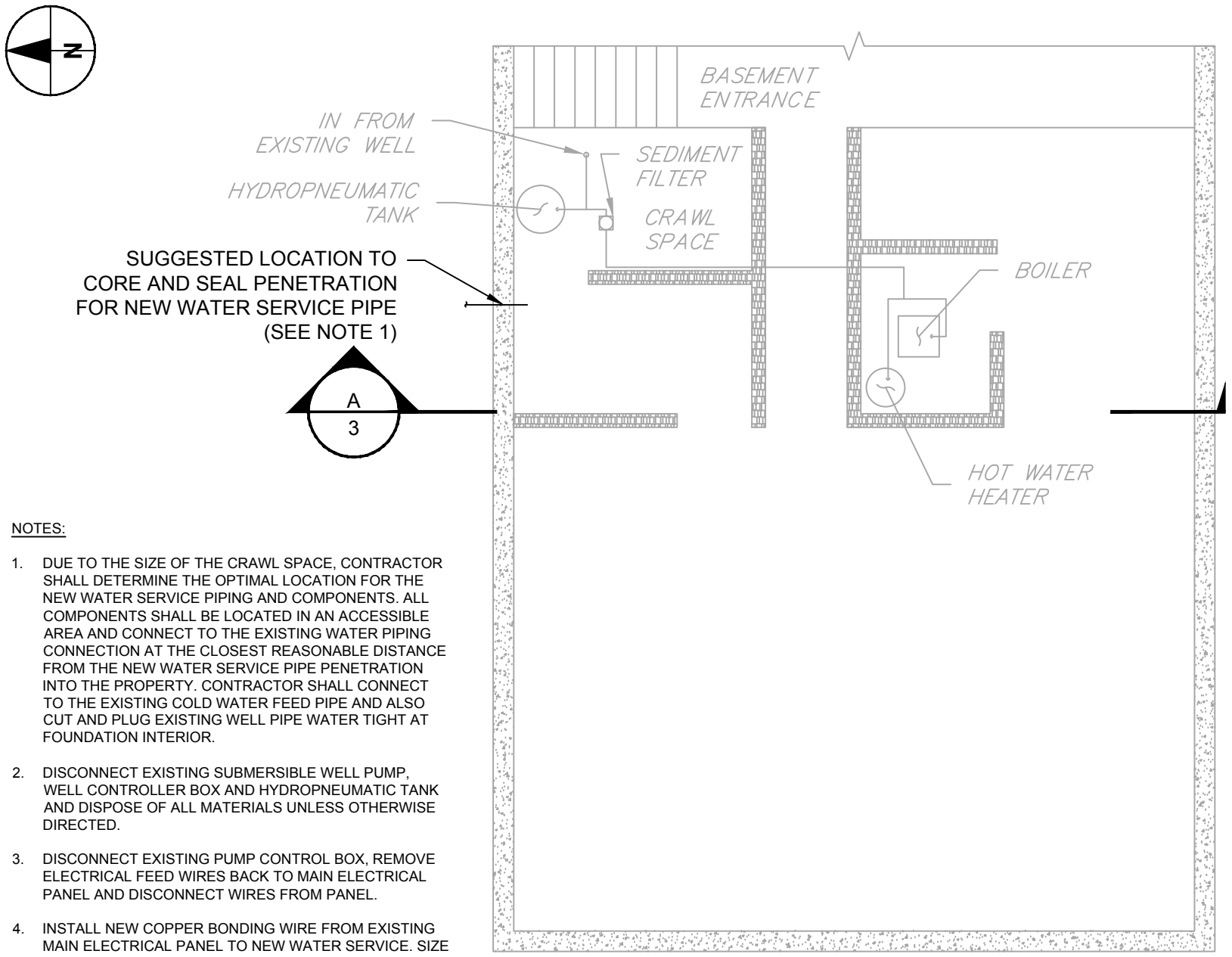
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-230MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DUE TO THE SIZE OF THE CRAWL SPACE, CONTRACTOR SHALL DETERMINE THE OPTIMAL LOCATION FOR THE NEW WATER SERVICE PIPING AND COMPONENTS. ALL COMPONENTS SHALL BE LOCATED IN AN ACCESSIBLE AREA AND CONNECT TO THE EXISTING WATER PIPING CONNECTION AT THE CLOSEST REASONABLE DISTANCE FROM THE NEW WATER SERVICE PIPE PENETRATION INTO THE PROPERTY. CONTRACTOR SHALL CONNECT TO THE EXISTING COLD WATER FEED PIPE AND ALSO CUT AND PLUG EXISTING WELL PIPE WATER TIGHT AT FOUNDATION INTERIOR.
2. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
3. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
4. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
230 MAPLE AVE.

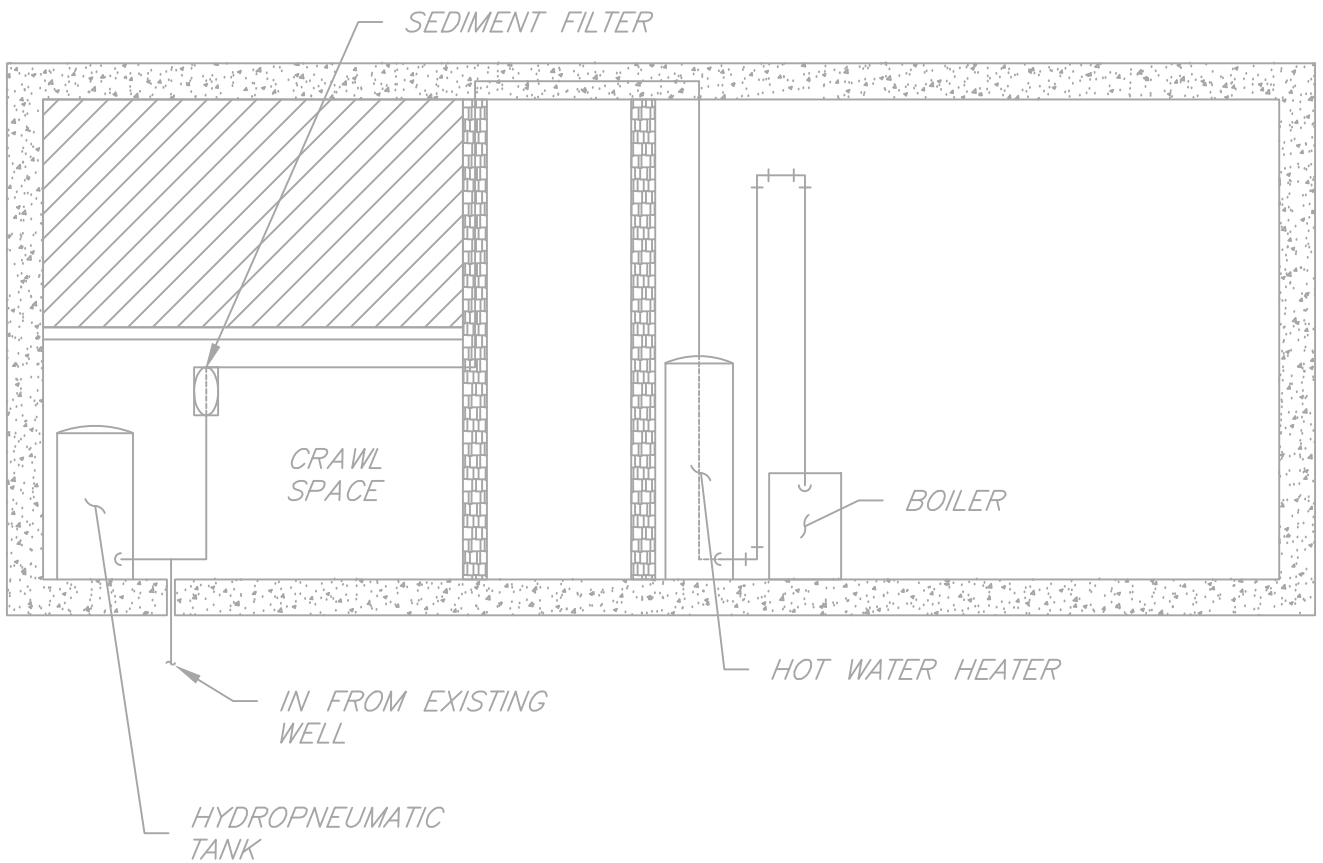
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	230 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
230 MAPLE AVE.

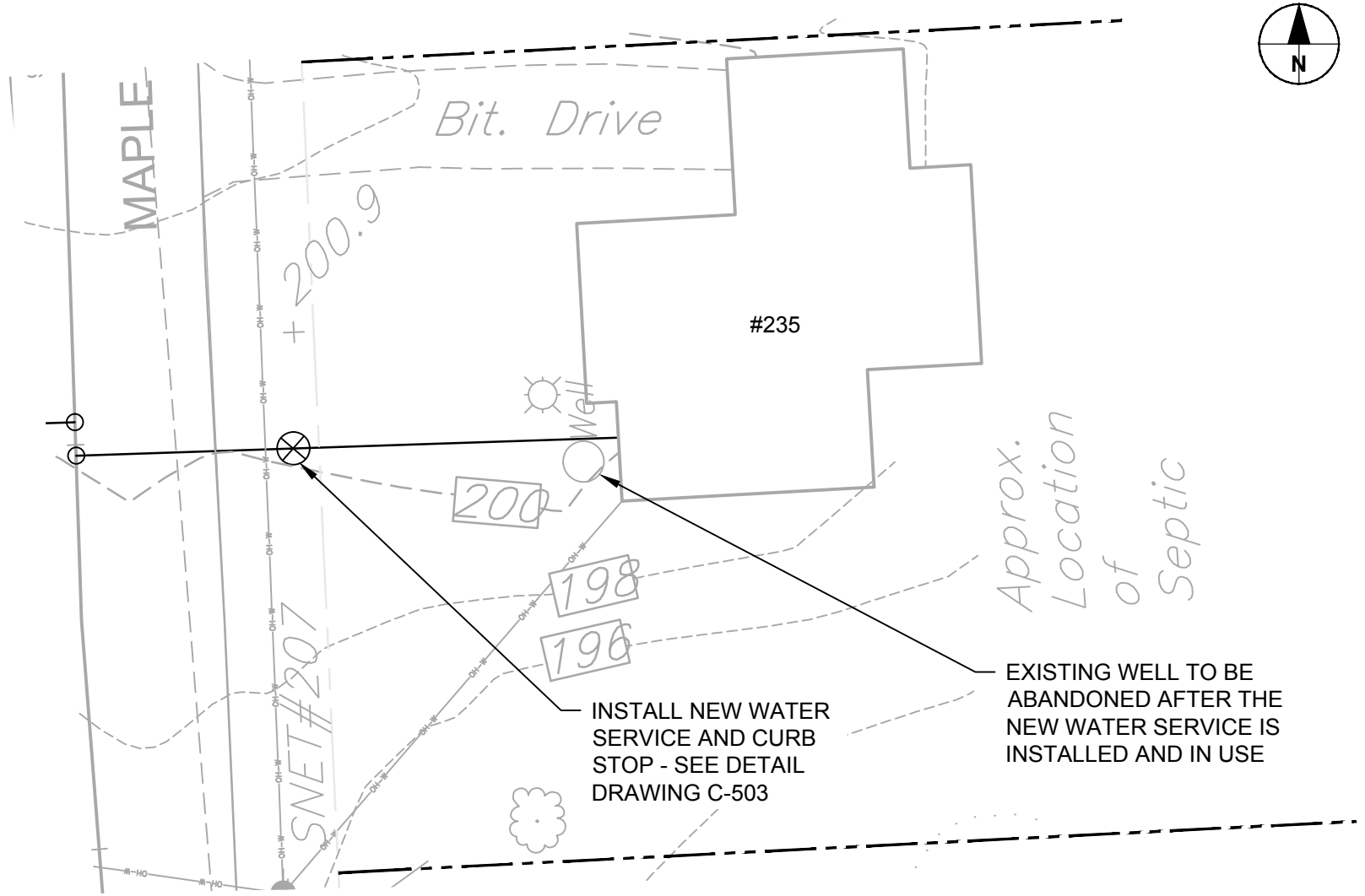
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	230 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

235 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

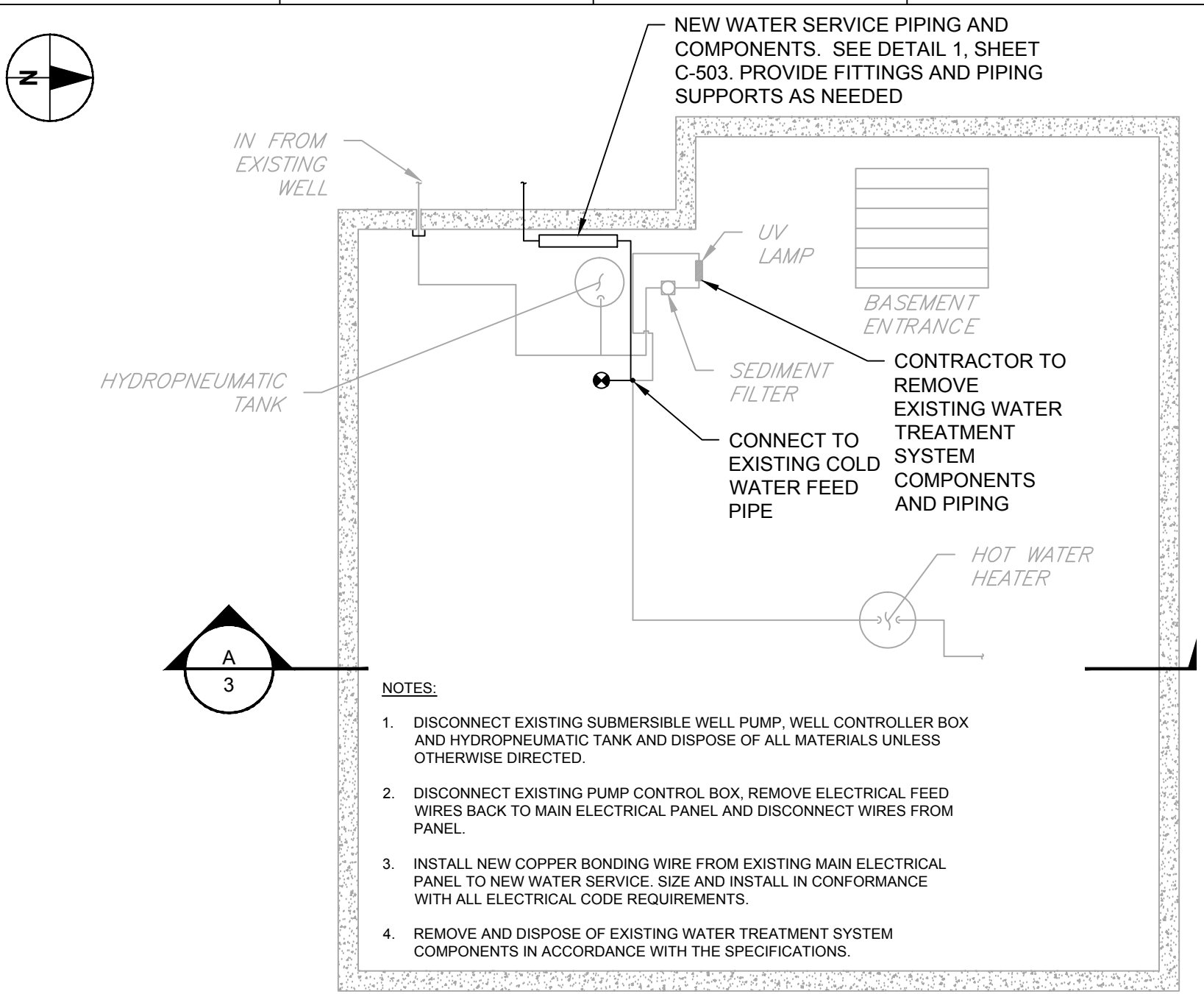
TOWN OF DURHAM
235 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-235MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
235 MAPLE AVE.

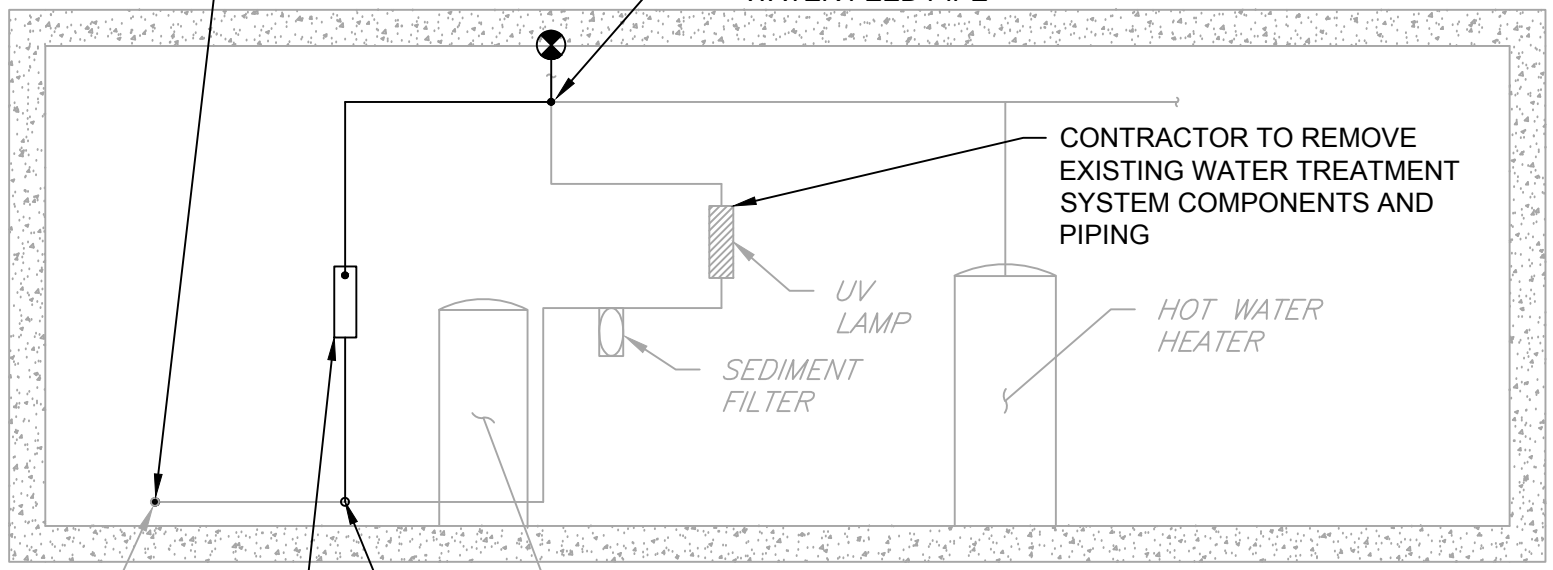
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	235 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

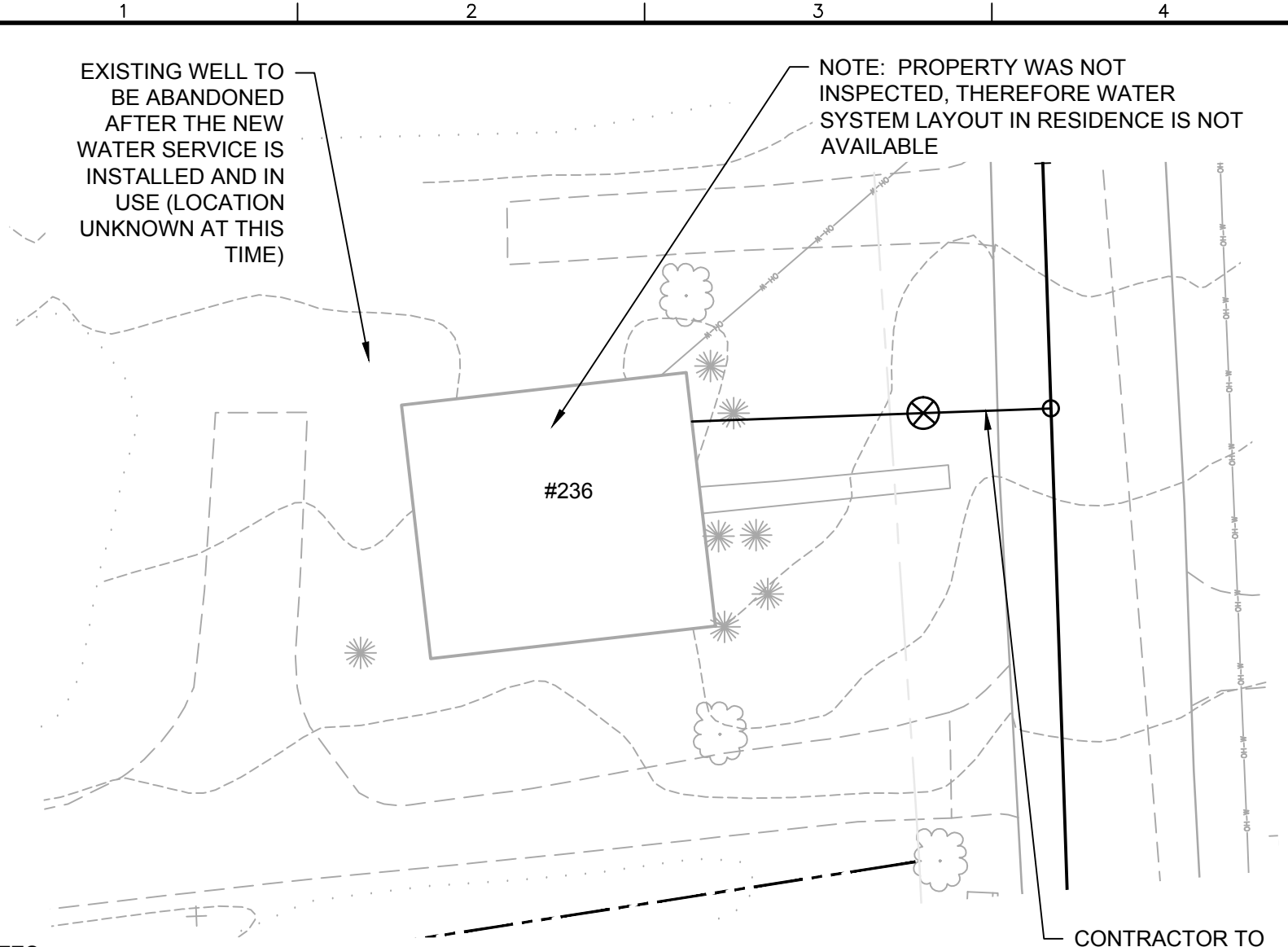
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
235 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	235 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	MB
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

236 Maple Avenue

PLOTTED: 23-Jan-18



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
236 MAPLE AVE.

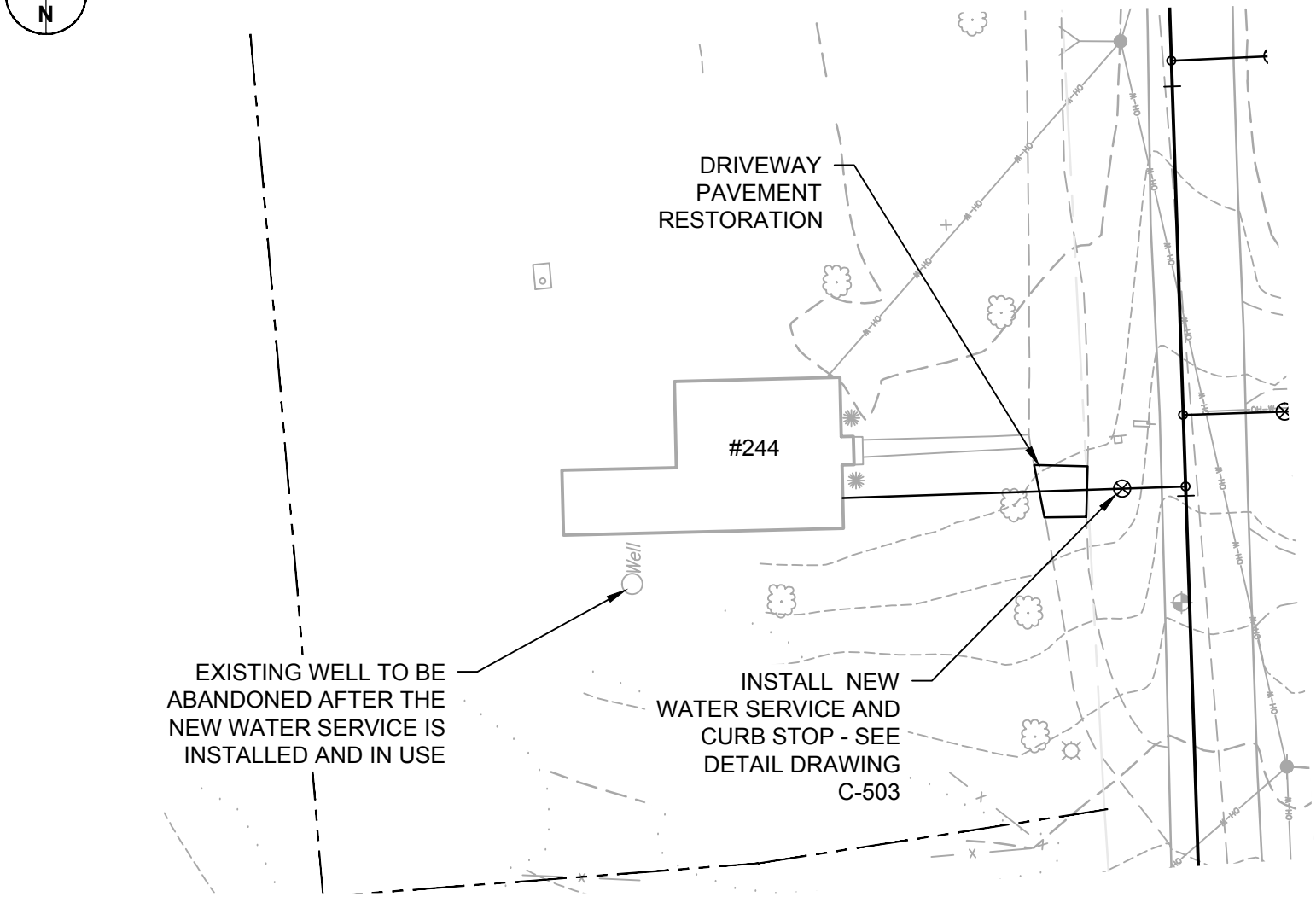
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-236MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 1

244 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

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4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

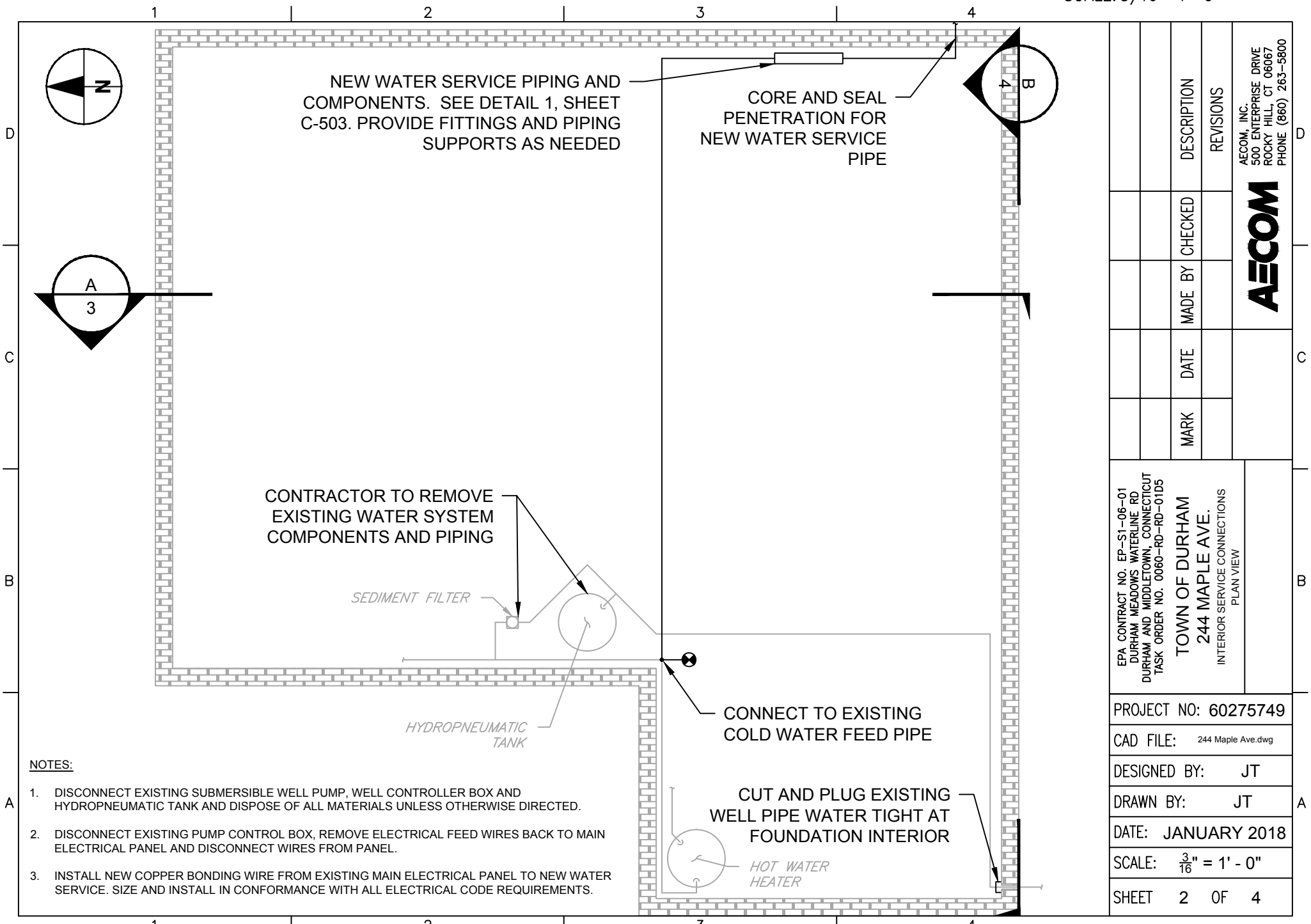
TOWN OF DURHAM
244 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-244MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
244 MAPLE AVE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

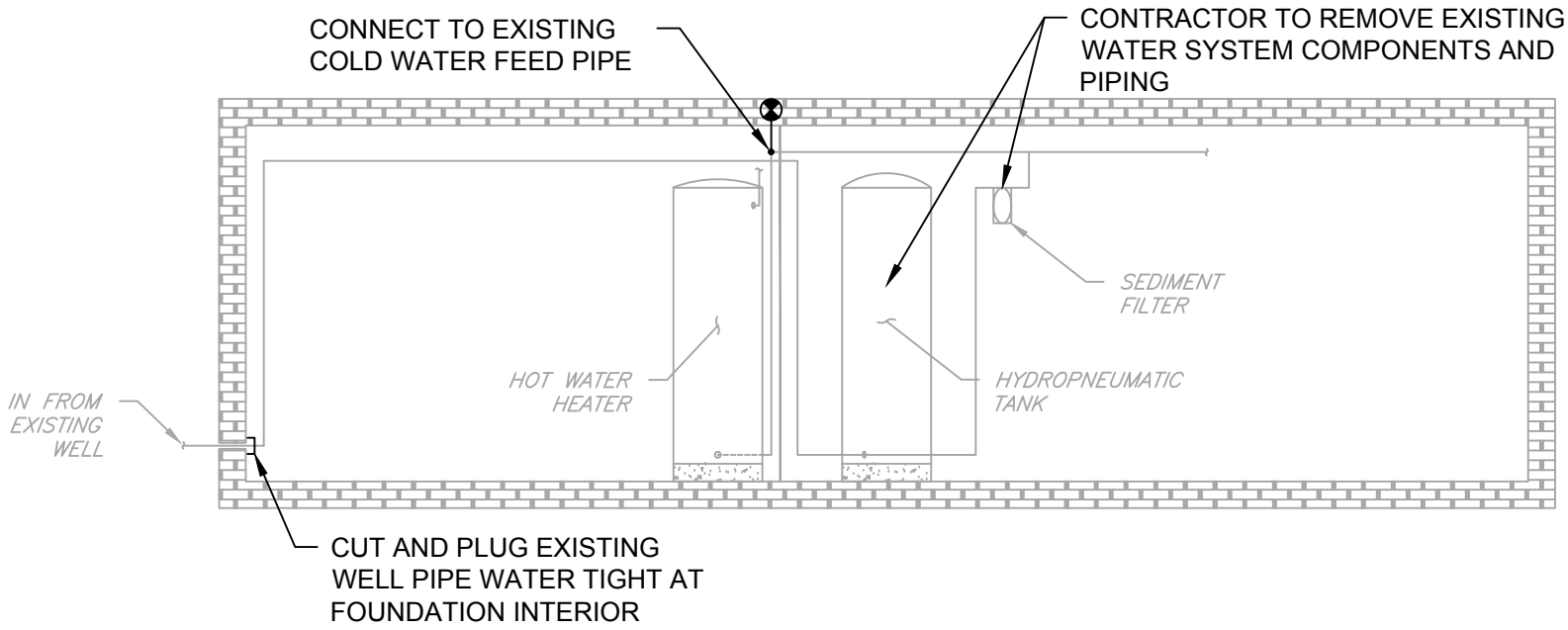
PROJECT NO:	60275749
CAD FILE:	244 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

WEST VIEW

0 4 8 12

SCALE: 3/16"=1'-0"



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
244 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

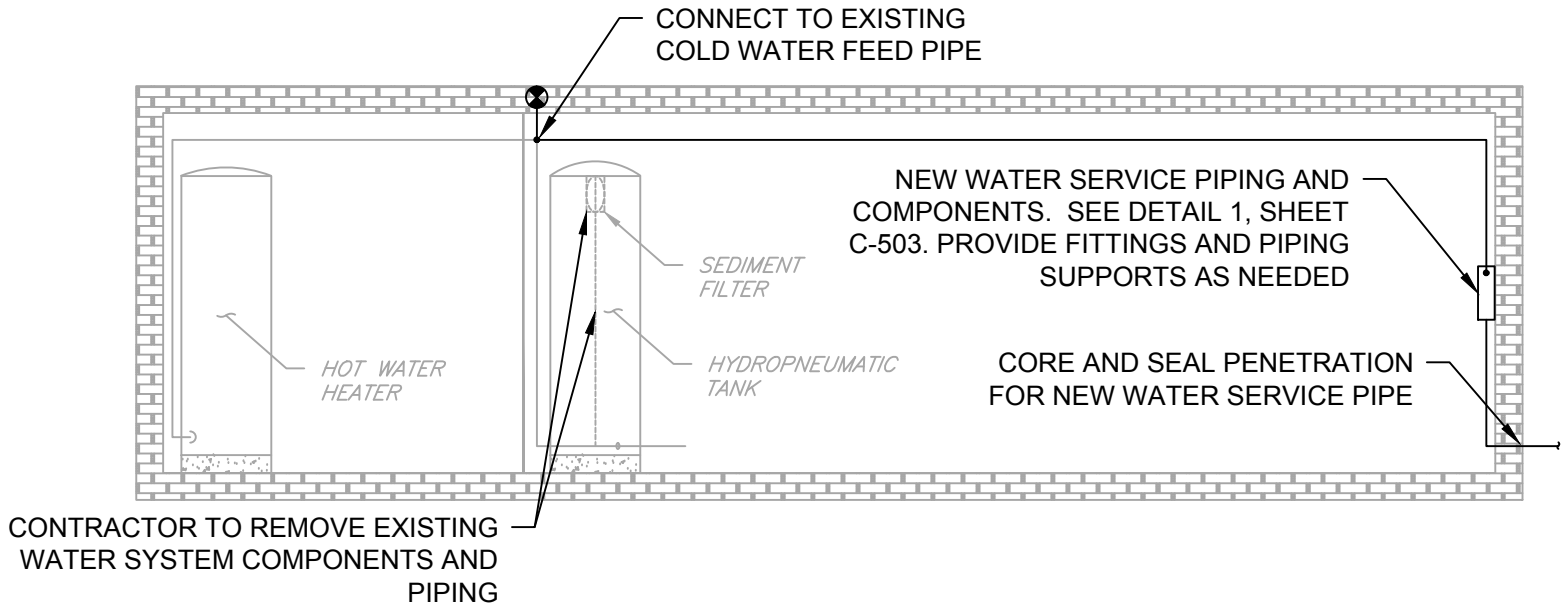
PROJECT NO:	60275749
CAD FILE:	244 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

NORTH VIEW

0 4 8 12

SCALE: 3/16"=1'-0"



B/2 **SECTION B-B**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
244 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

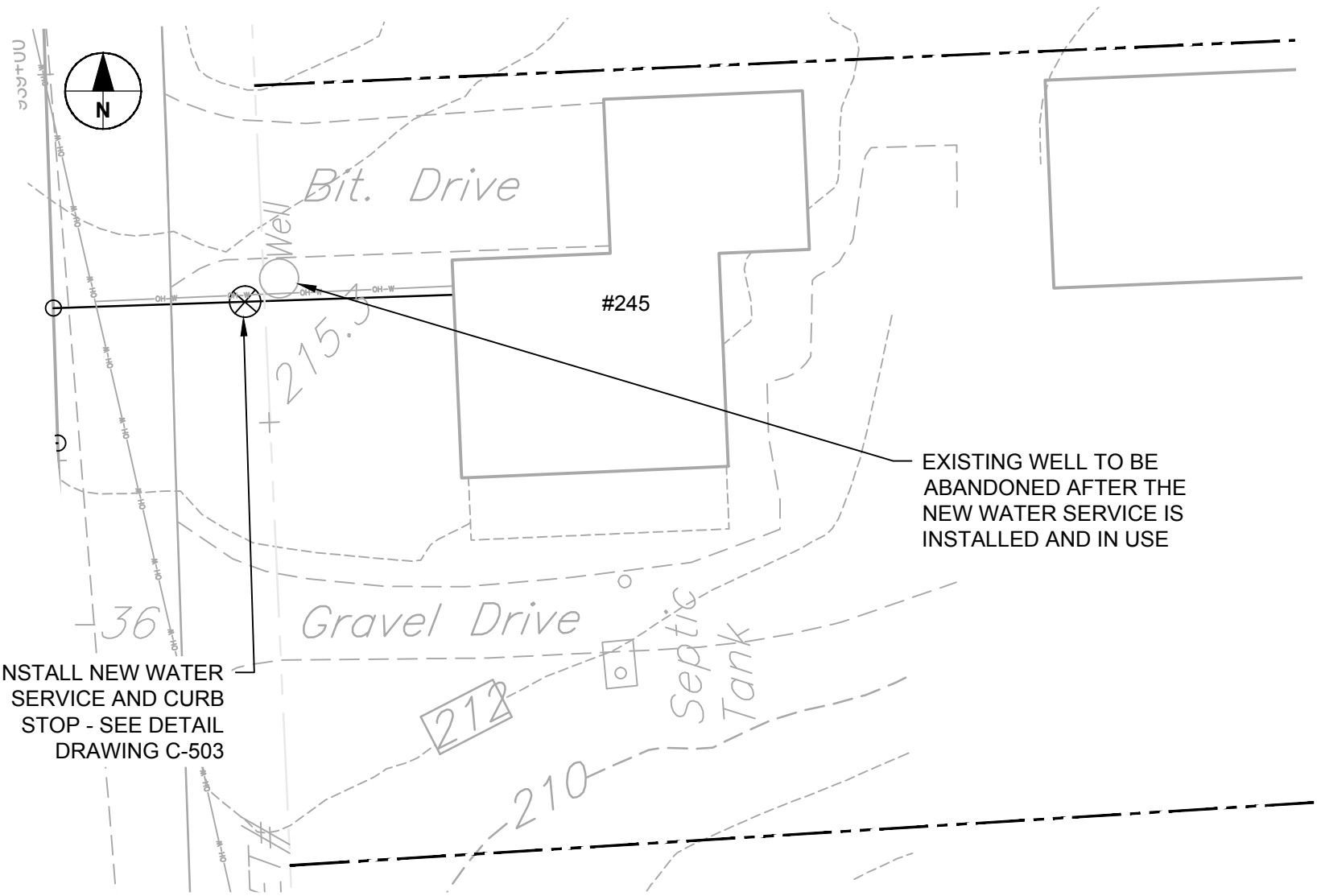
PROJECT NO:	60275749
CAD FILE:	244 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	4 OF 4

Page intentionally left blank

245 Maple Avenue

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

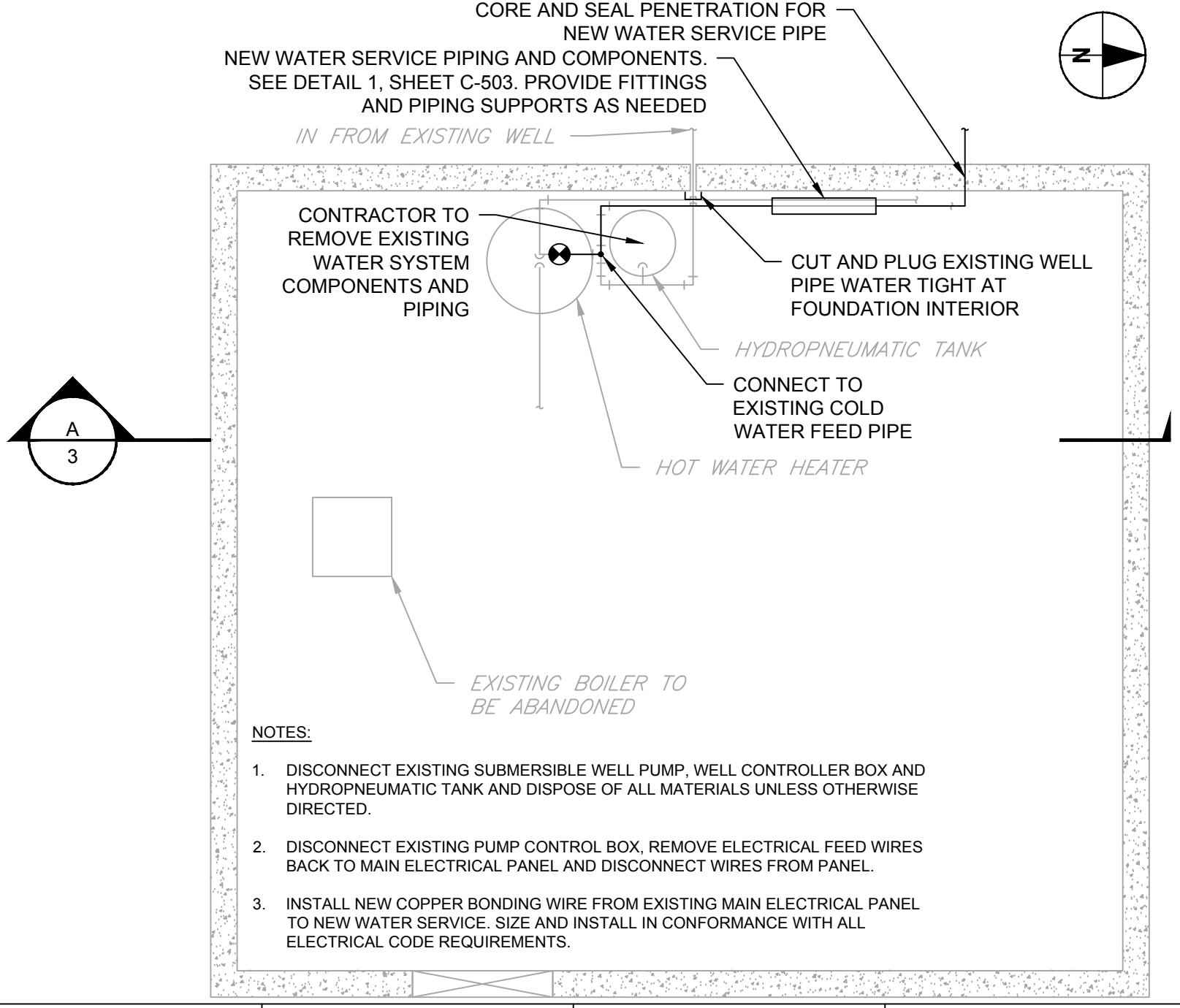
TOWN OF DURHAM
245 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-245MAPLE.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
245 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

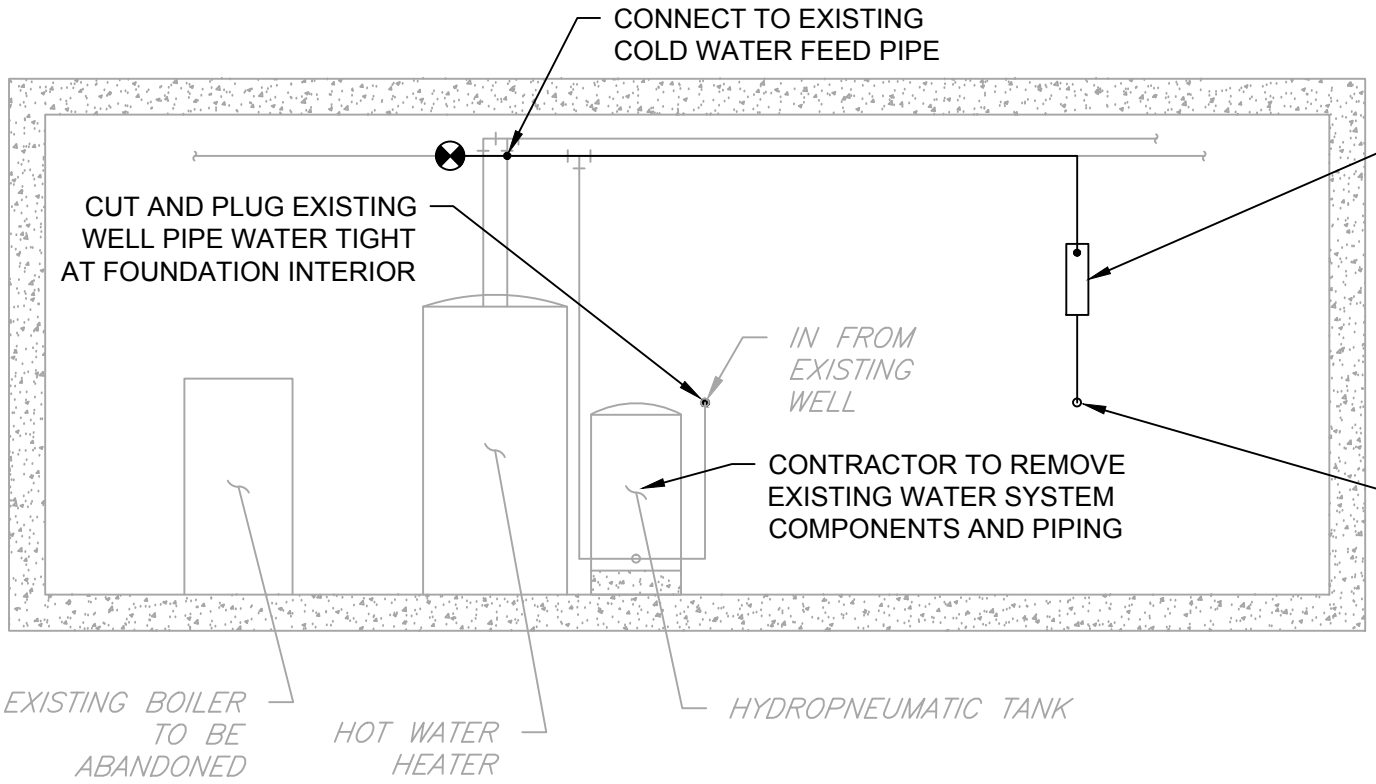
PROJECT NO:	60275749
CAD FILE:	245 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

WEST VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
245 MAPLE AVE.

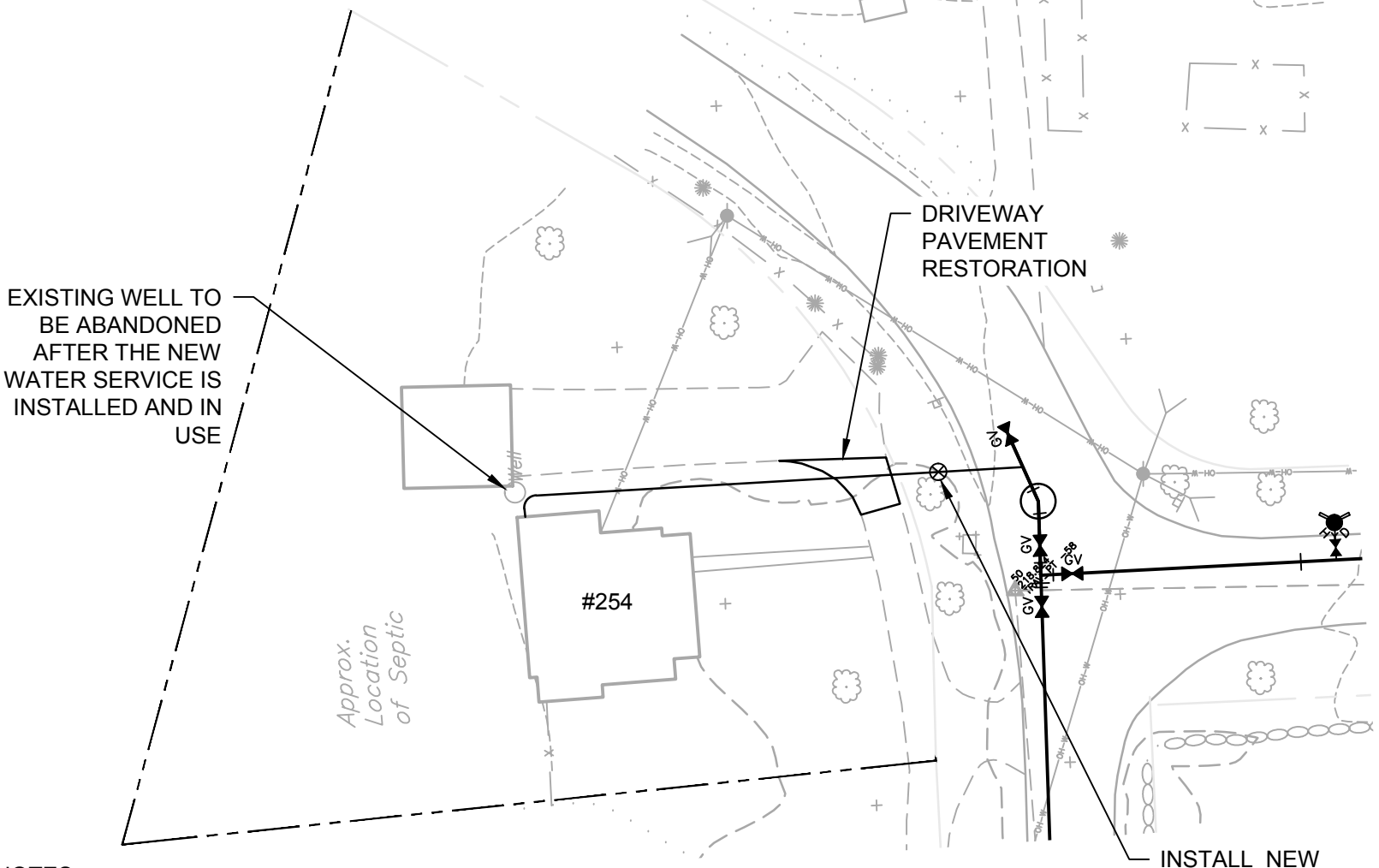
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	245 Maple Avenue.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

254 Maple Avenue

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

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500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

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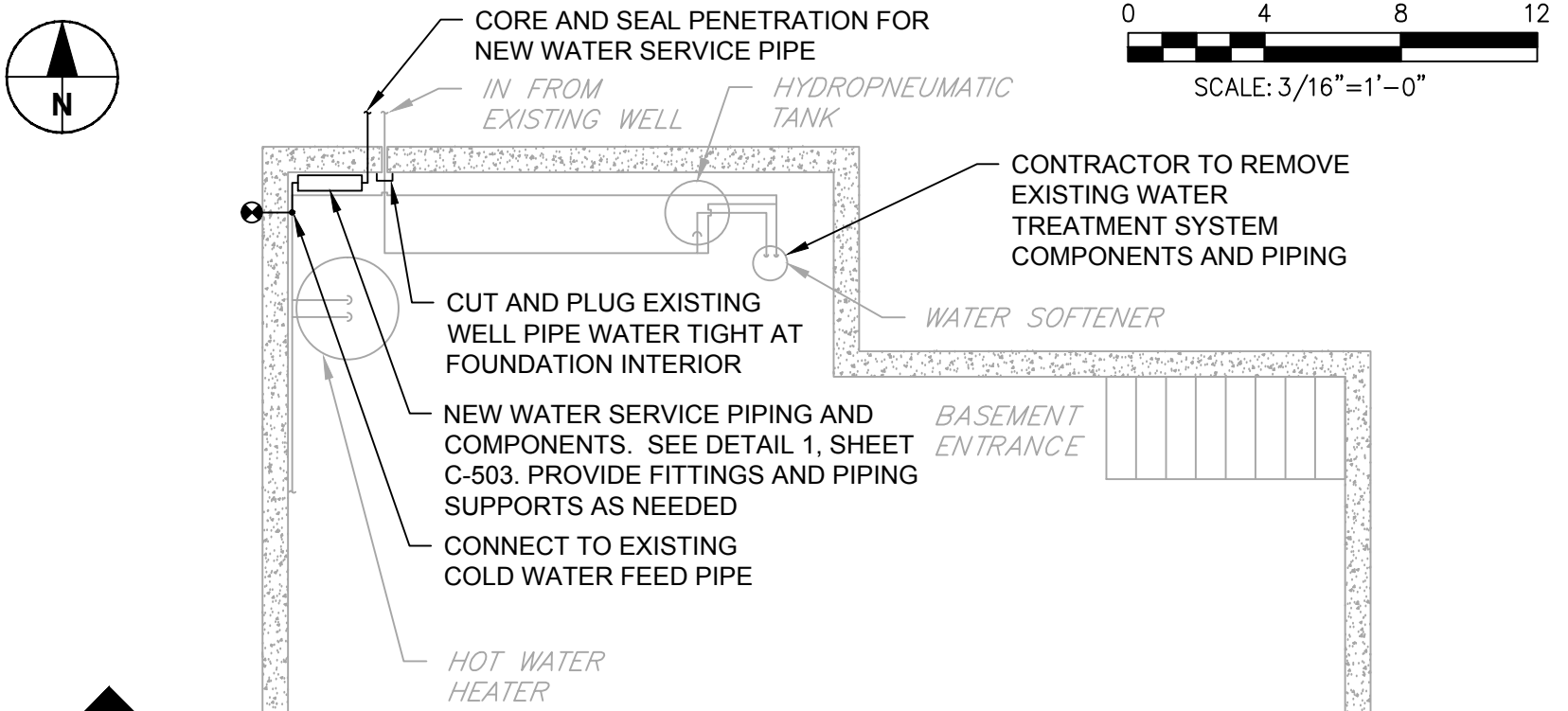
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
254 MAPLE AVE.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-254MAPLE.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
254 MAPLE AVE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

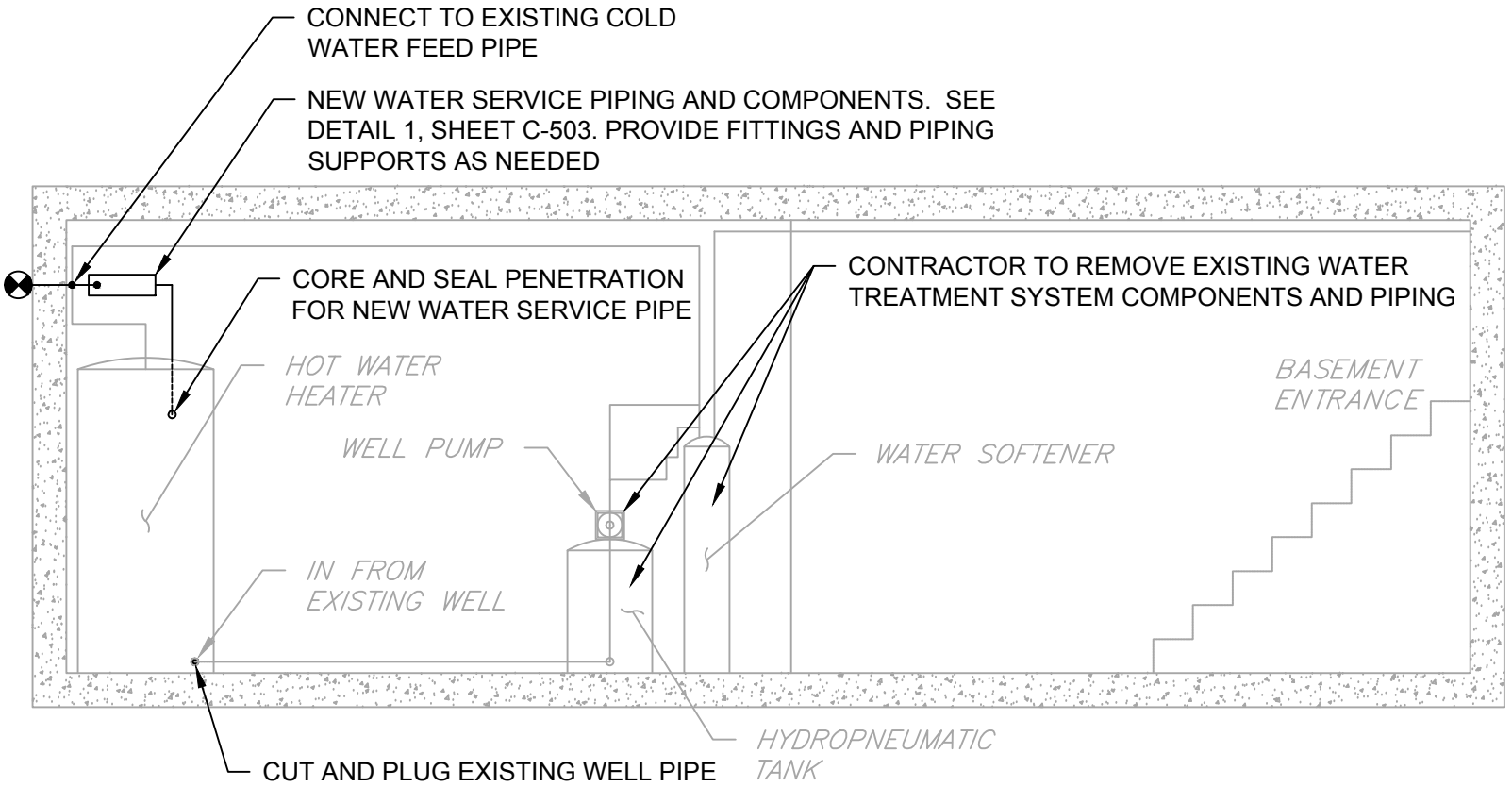
PROJECT NO:	60275749
CAD FILE:	254 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW

0 4 8

SCALE: 1/4"=1'-0"



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
254 MAPLE AVE.

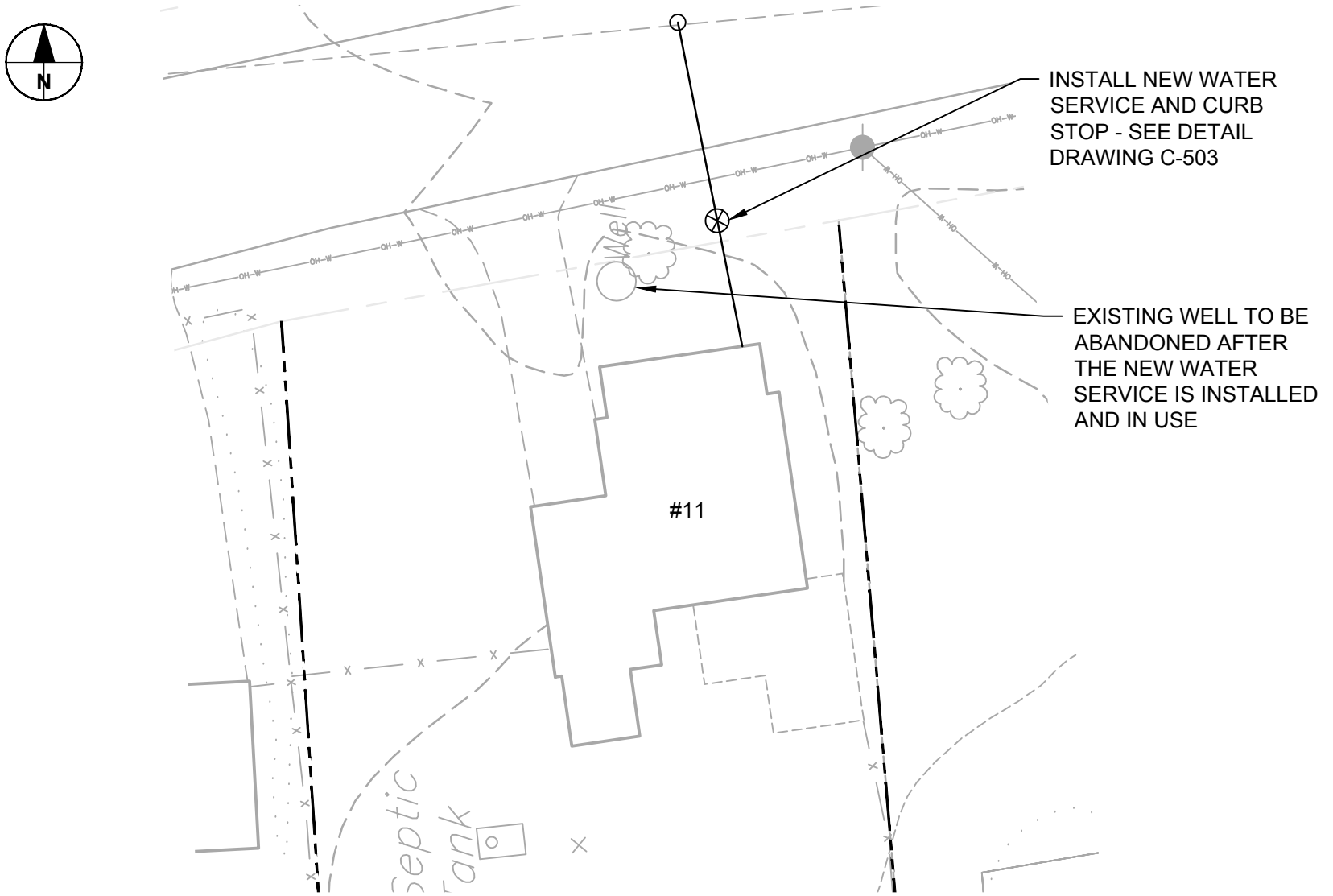
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	254 Maple Ave.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

11 Maiden Lane

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

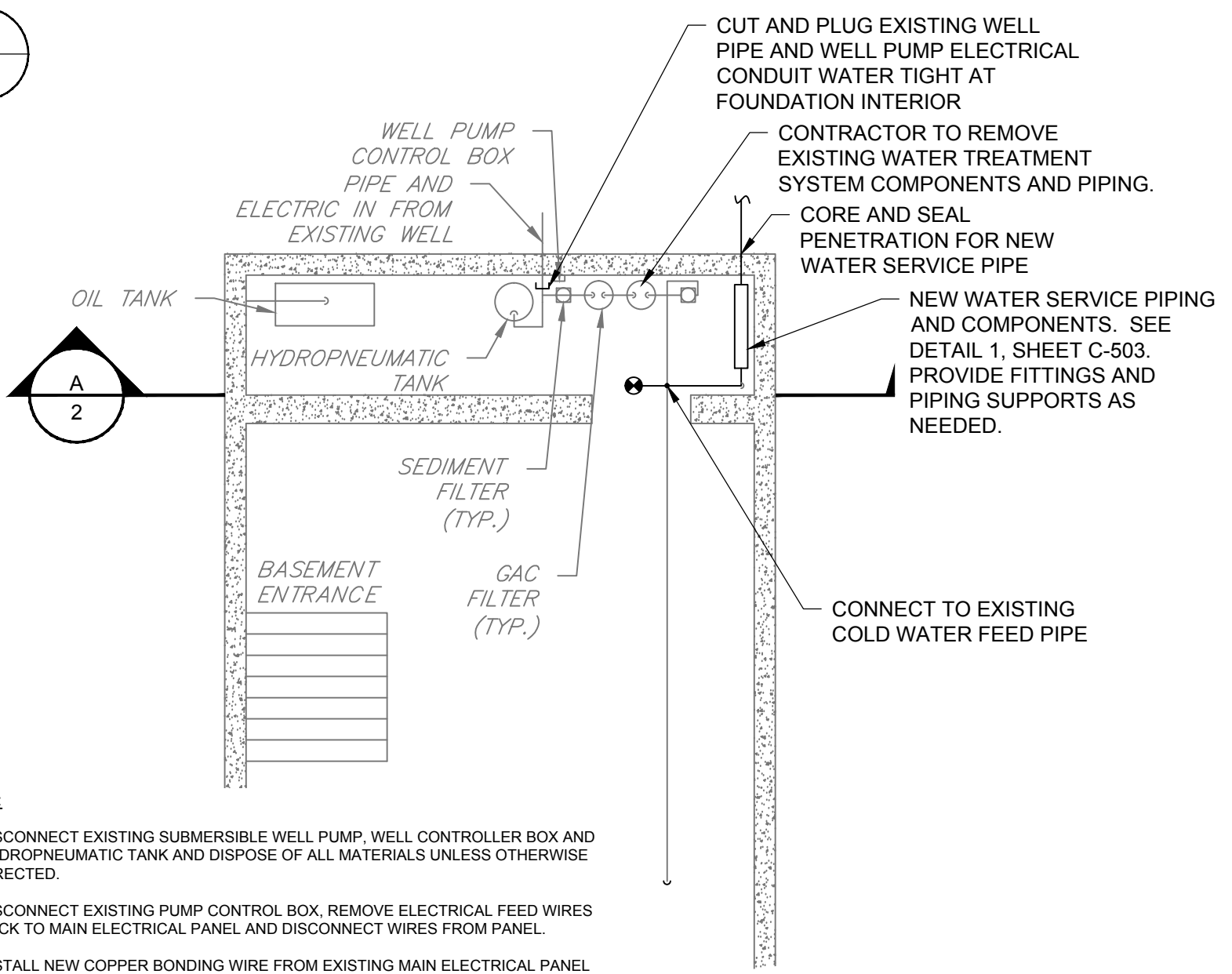
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
11 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-11MAID.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

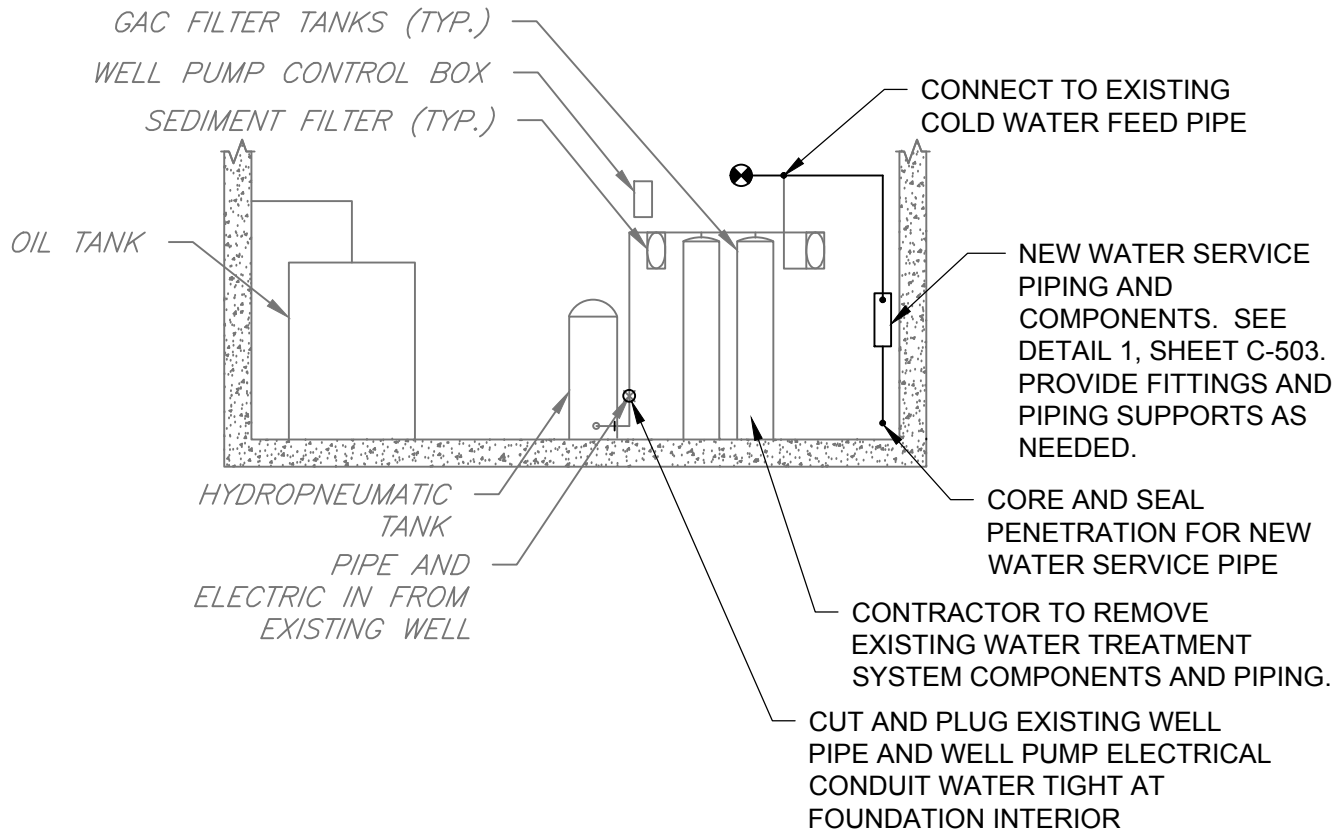
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
11 MAIDEN LANE
BASEMENT PLAN

PROJECT NO:	60275749
CAD FILE:	11 MAIDEN LANE
DESIGNED BY:	MCC
DRAWN BY:	MCC
DATE:	JANUARY 2018
SCALE:	3/16" = 1'-0"
SHEET	2 OF 3

NORTH VIEW

PLOTTED: 23-Jan-18



A/2 **SECTION A-A**

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

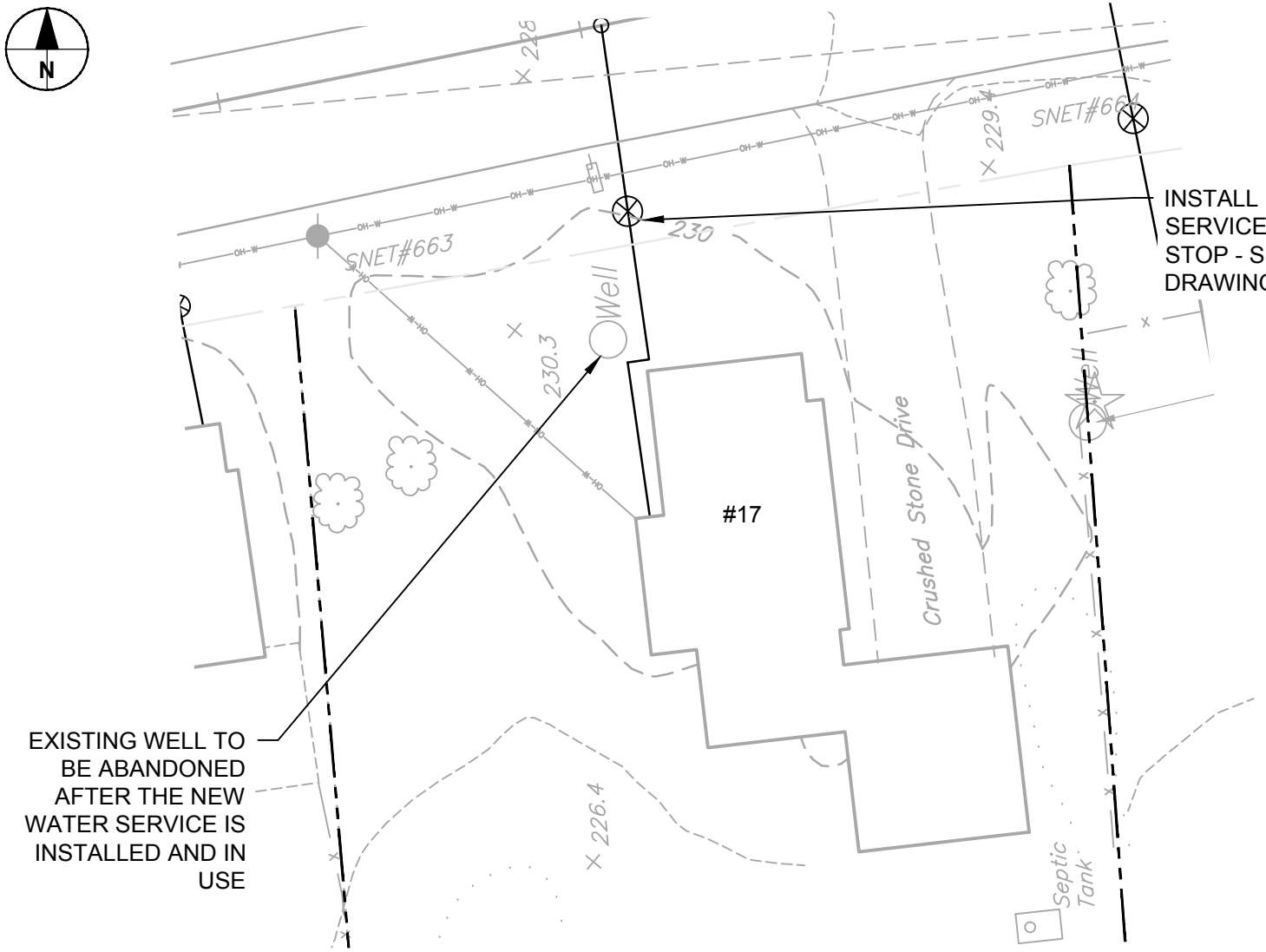
TOWN OF DURHAM
11 MAIDEN LANE
BASEMENT SECTION

PROJECT NO: 60275749
CAD FILE: 11 MAIDEN LANE
DESIGNED BY: MCC
DRAWN BY: MCC
DATE: JANUARY 2018
SCALE: 3/16" = 1'-0"
SHEET 3 OF 3

17 Maiden Lane

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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				REVISIONS

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500 ENTERPRISE DRIVE
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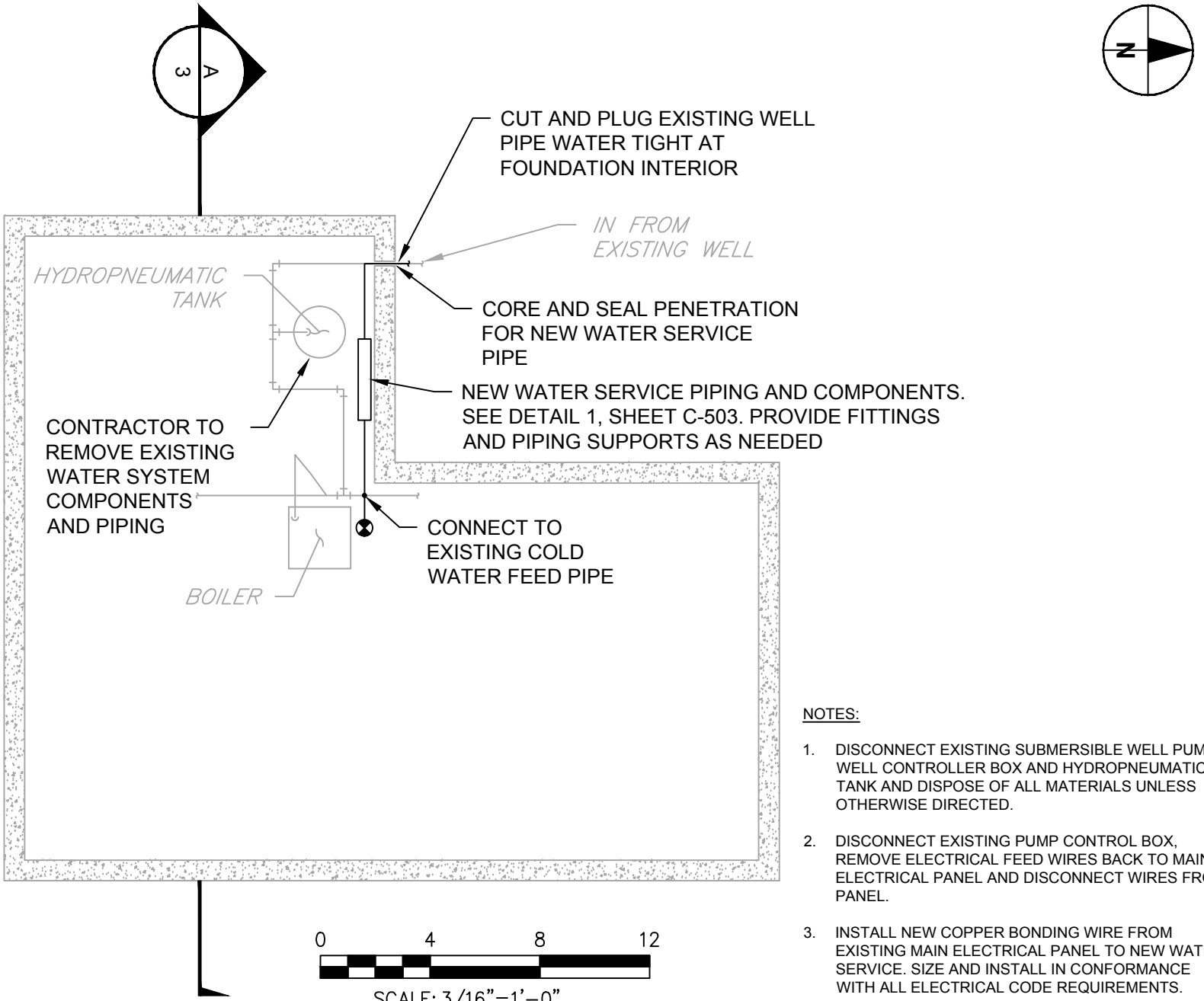
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
17 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-17MAID.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



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AECOM, INC.
500 ENTERPRISE DRIVE
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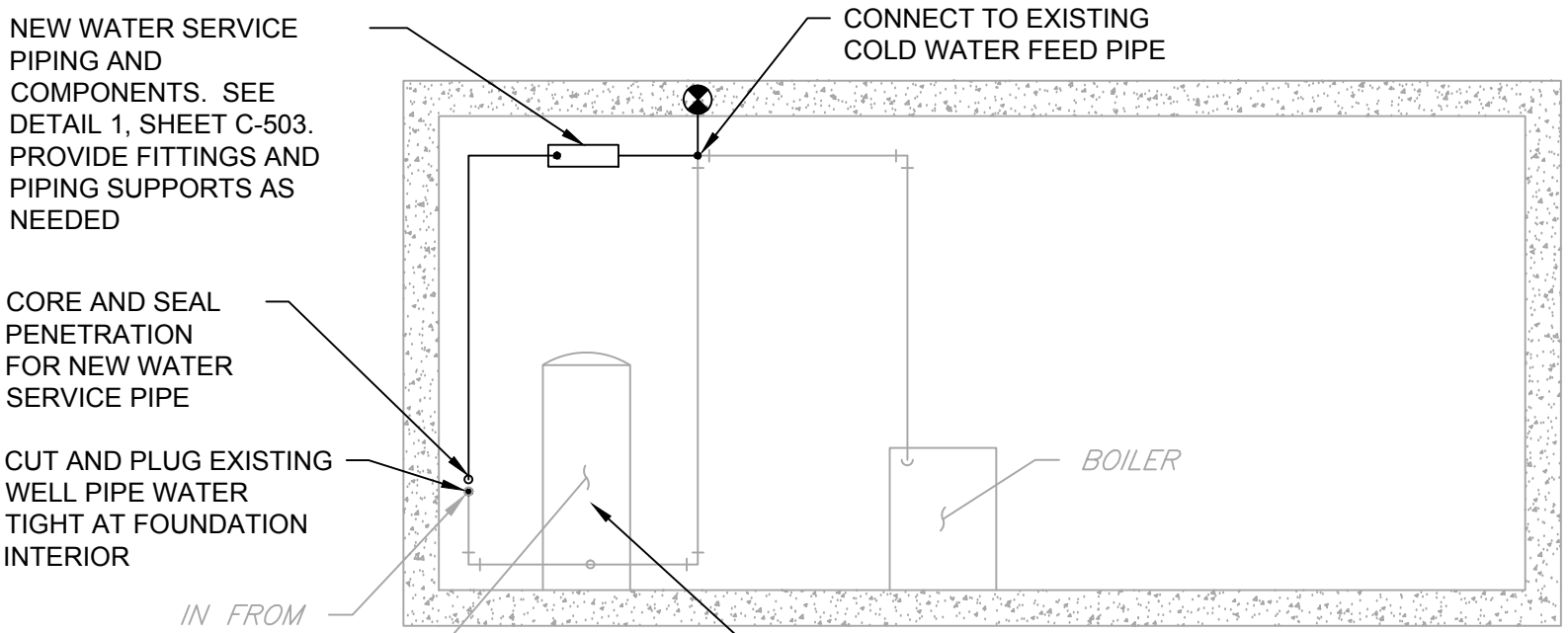
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
17 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	17 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

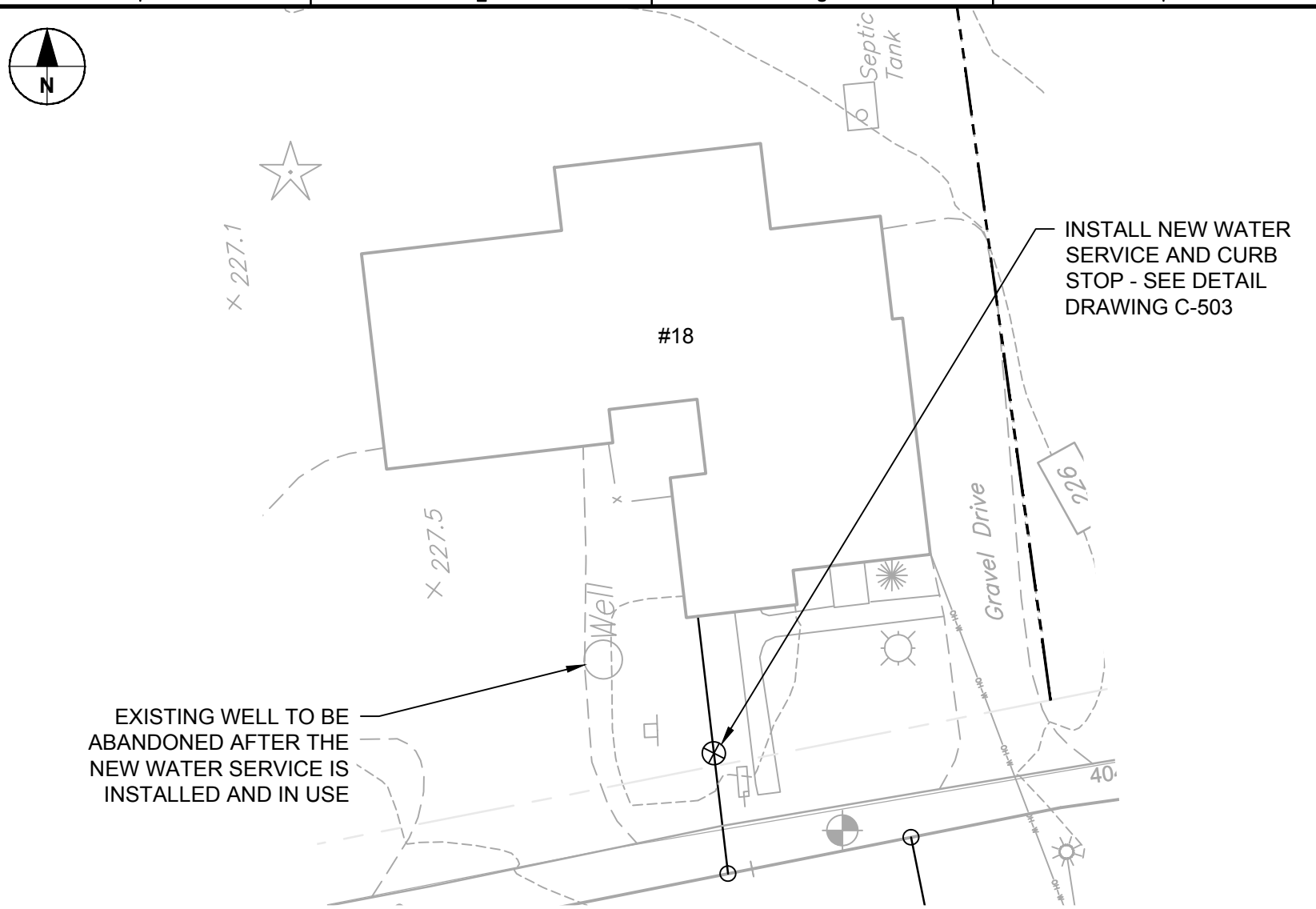
TOWN OF DURHAM
17 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	17 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

18 Maiden Lane

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
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AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

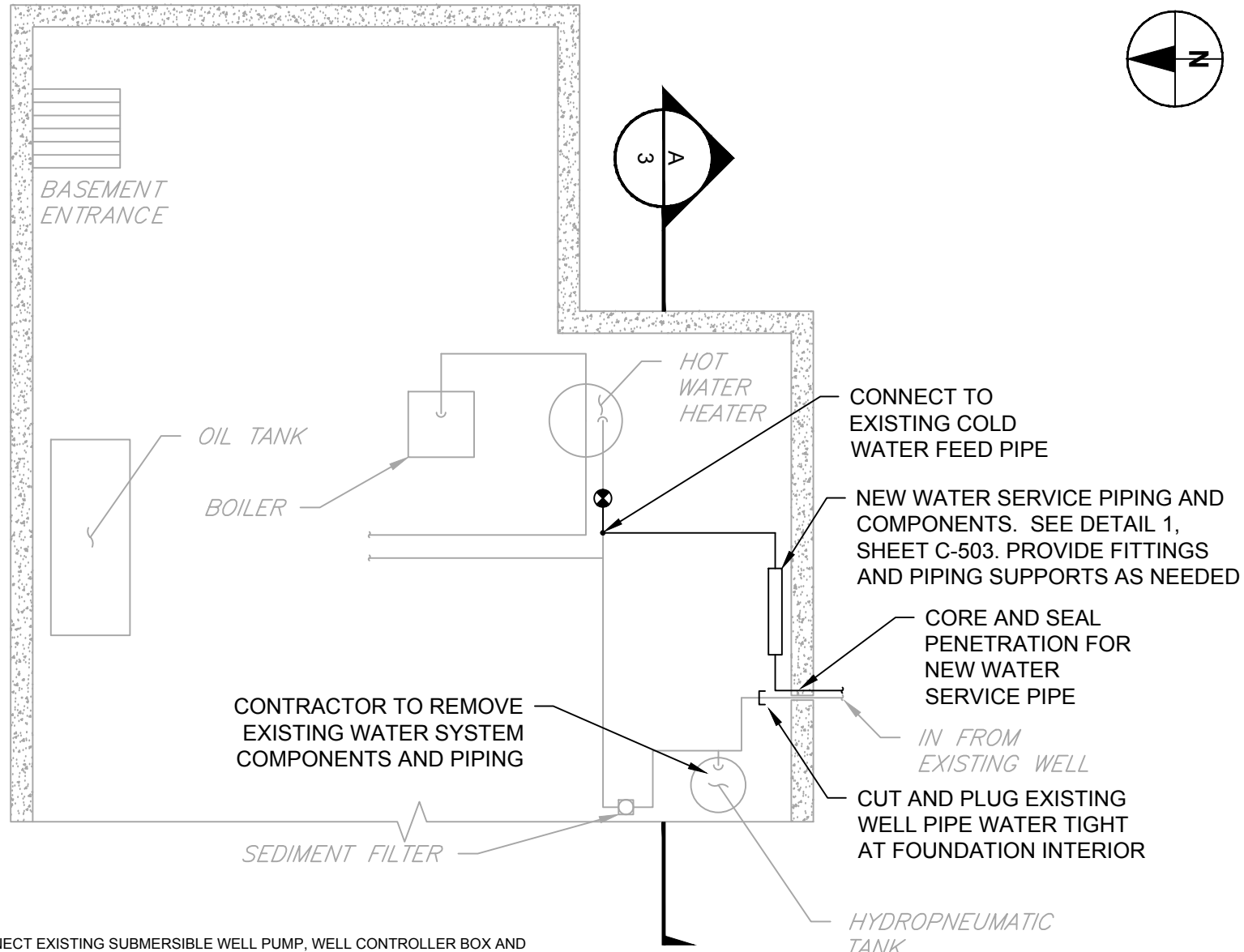
TOWN OF DURHAM
18 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-18MAID.dwg
DESIGNED BY:	MCC
DRAWN BY:	MCC
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

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MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

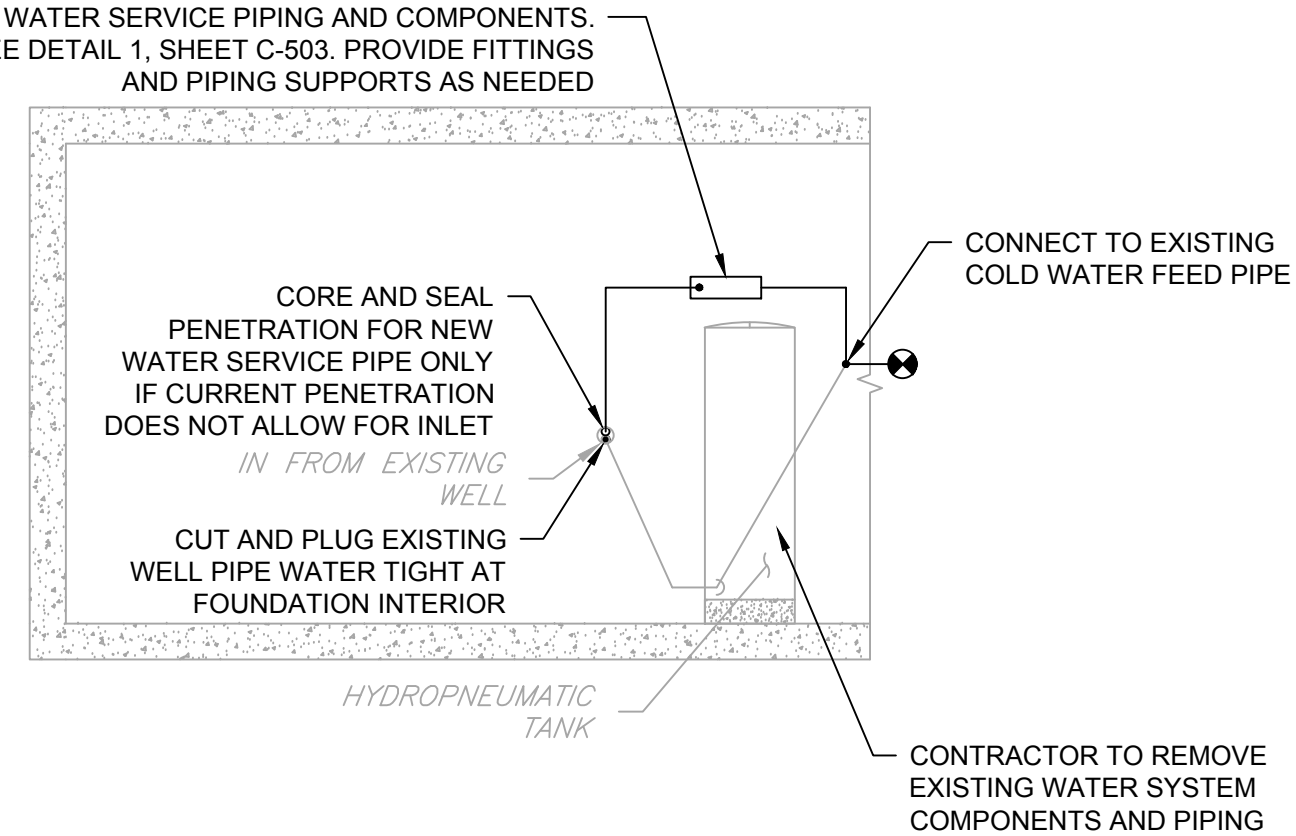
TOWN OF DURHAM
18 MAIDEN LANE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	18 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

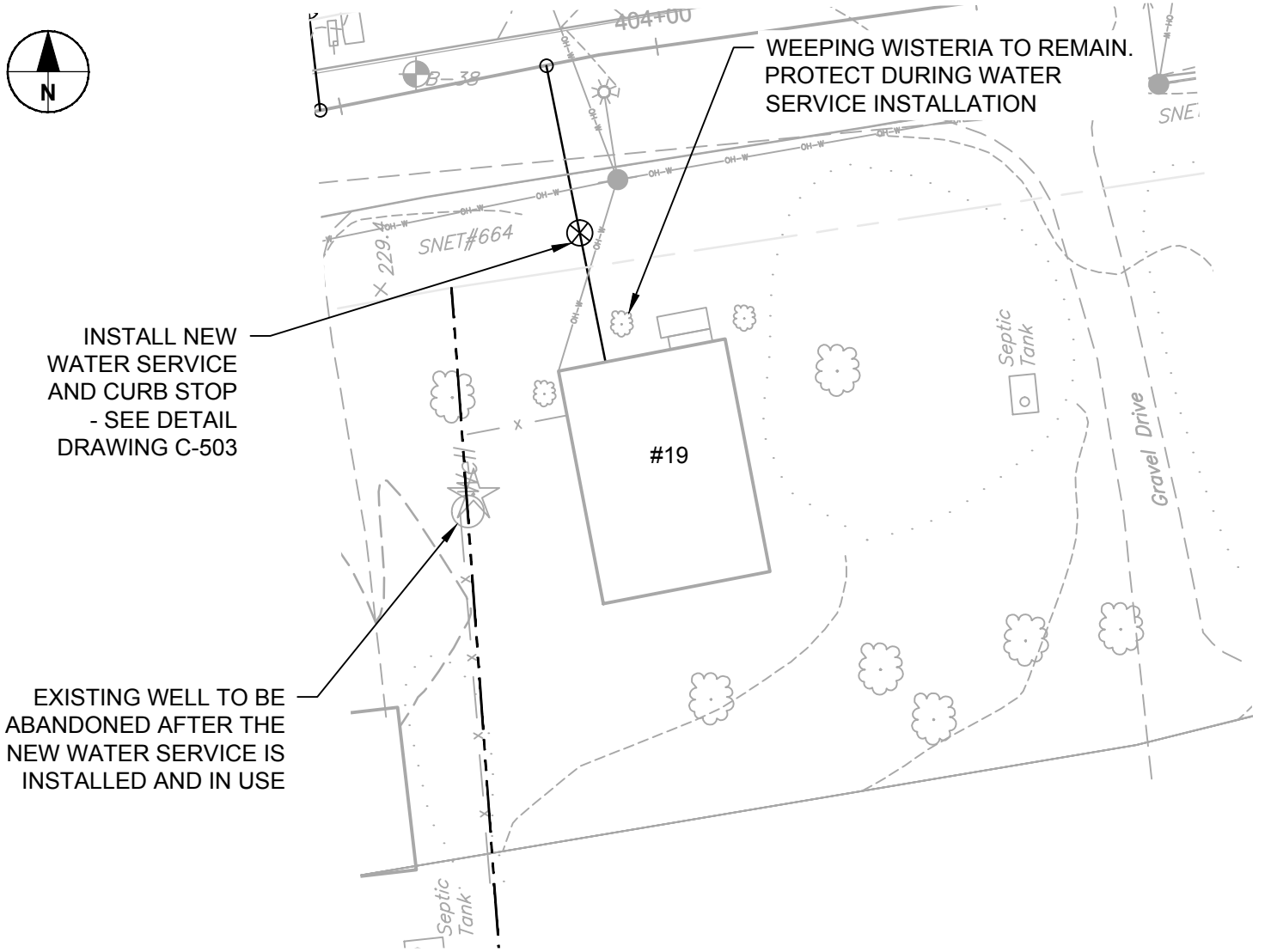
TOWN OF DURHAM
18 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	18 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

19 Maiden Lane

PLOTTED: 23-Jan-18

0 20' 40'



Amendment 5

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JUL 2018	MCC	RB	BID AMENDMENT

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
19 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-19MAID.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
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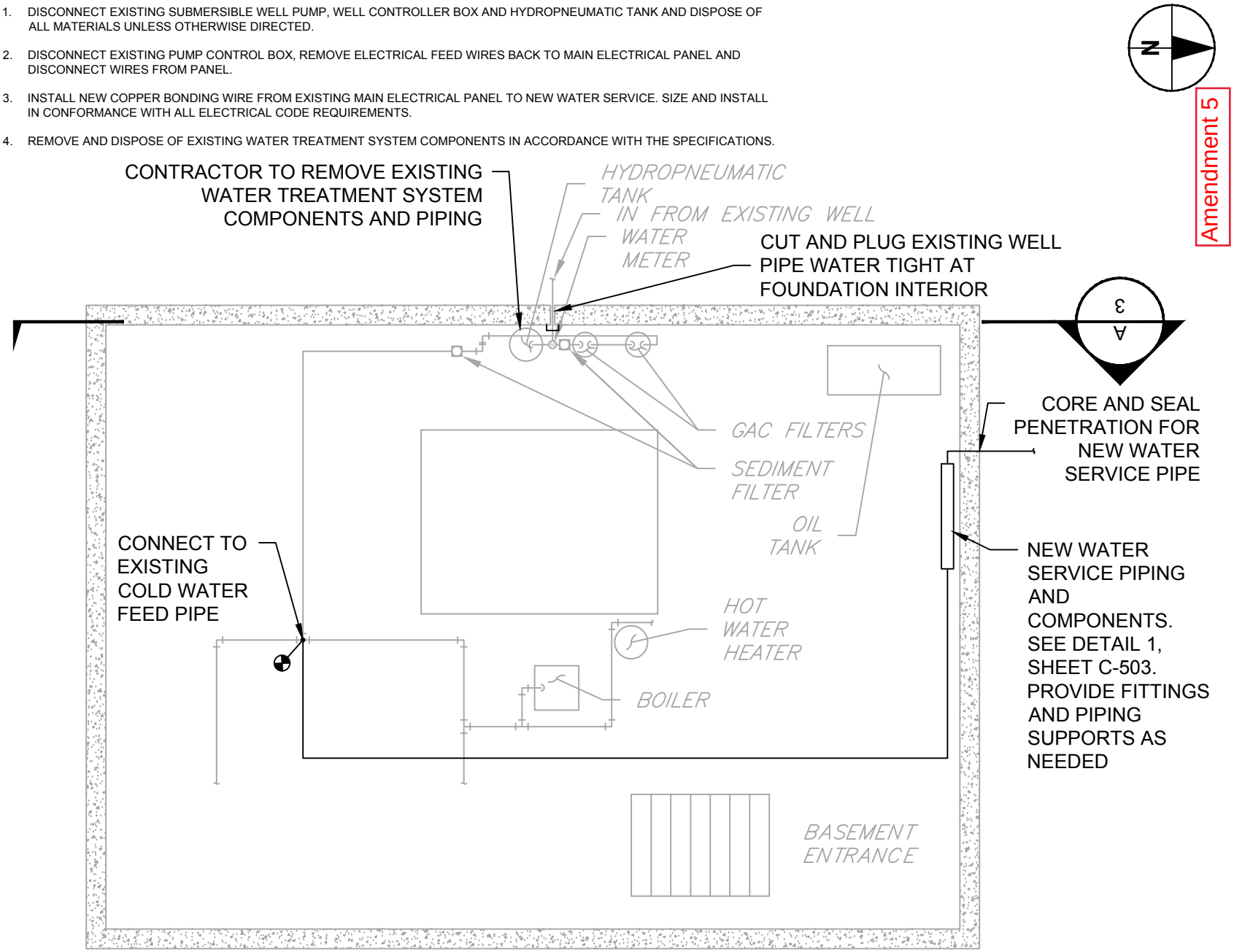


Amendment 5

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	JUL 2018	MCC	RB	BID AMENDMENT

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

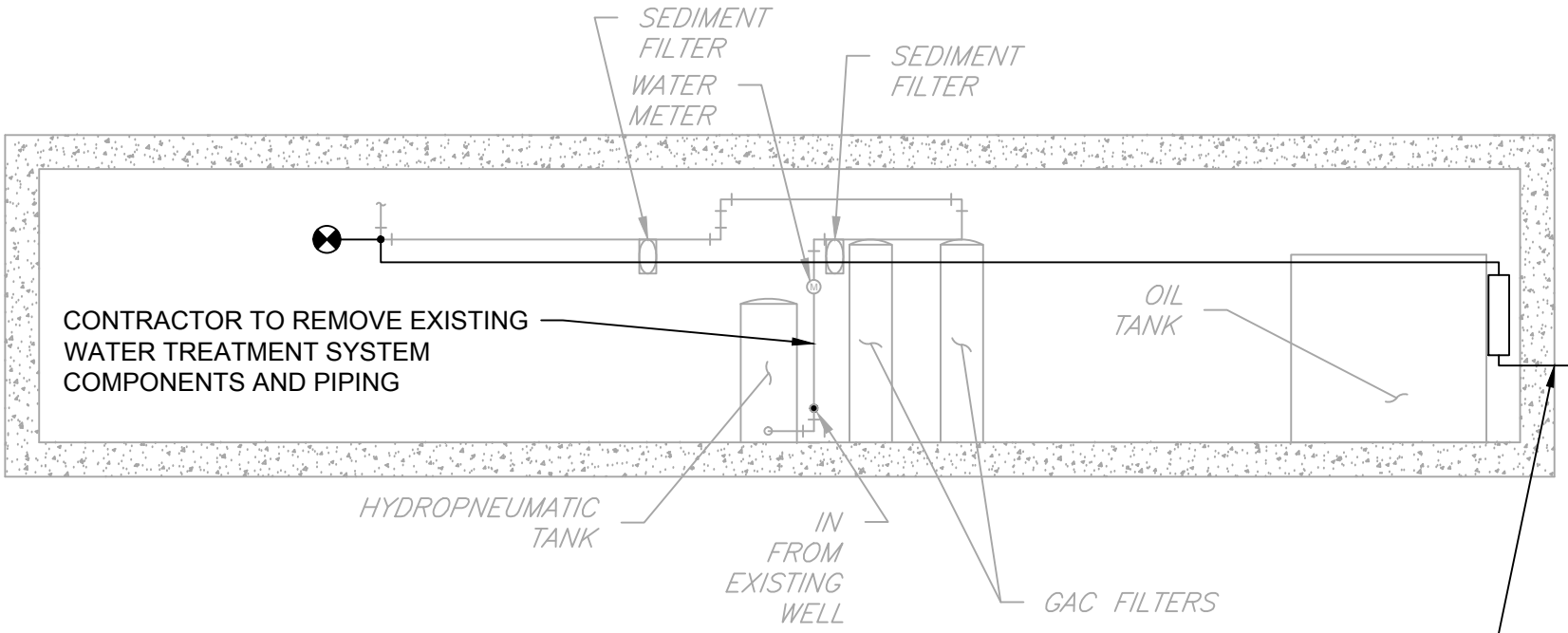
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
19 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	19 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

Amendment 5



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

REV	MARK	DATE	MADE BY	CHECKED	DESCRIPTION
1		JUL 2018	MCC	RB	BID AMENDMENT

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

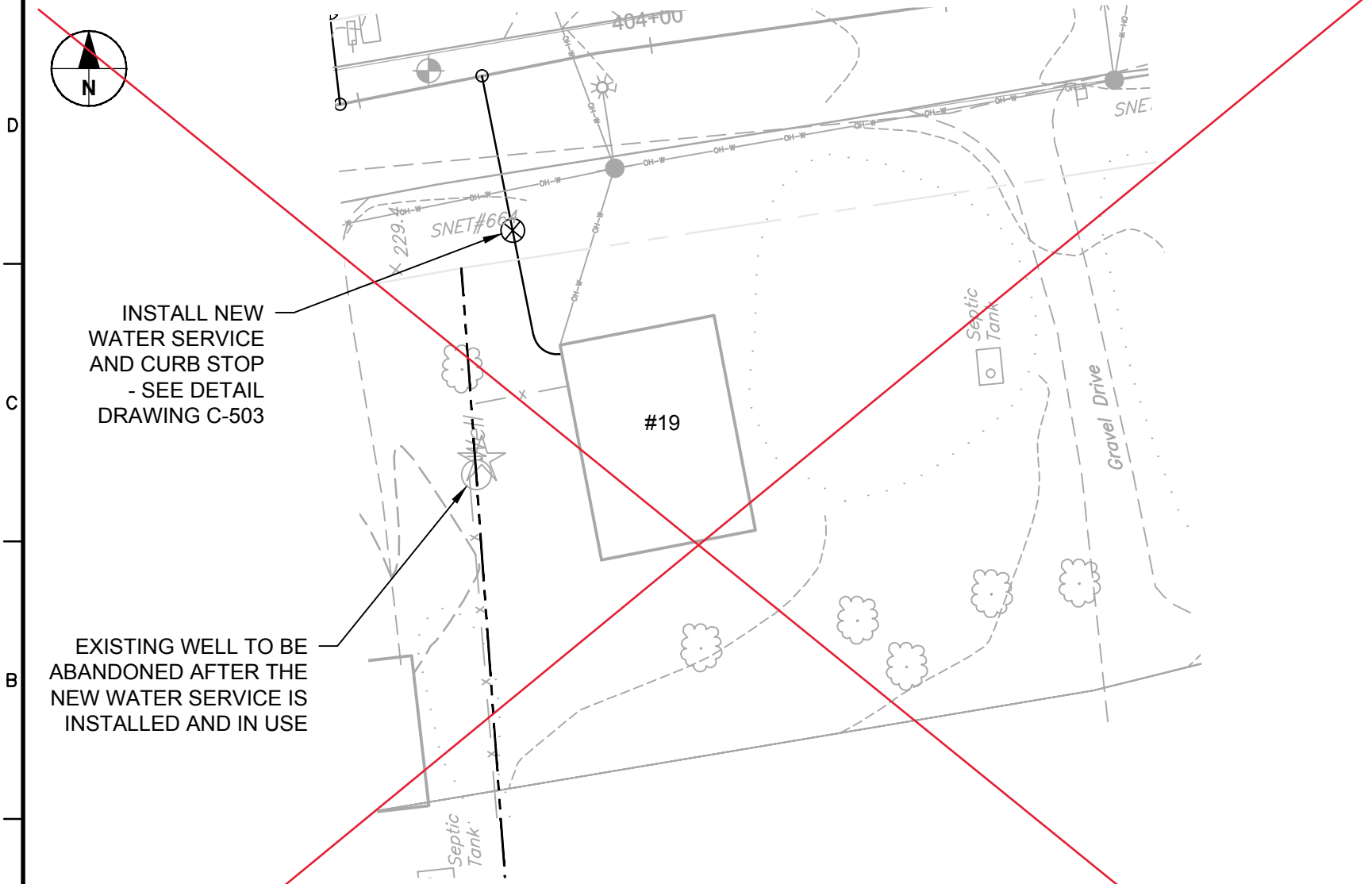
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

19 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	19 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

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Amendment 5

REVISIONS	DESCRIPTION	MADE BY	CHECKED
REV 1	MARK		
DEC 2016	DATE		
MCC			
DGS			
ADDENDUM NO. 2			

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
19 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-19MAID.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

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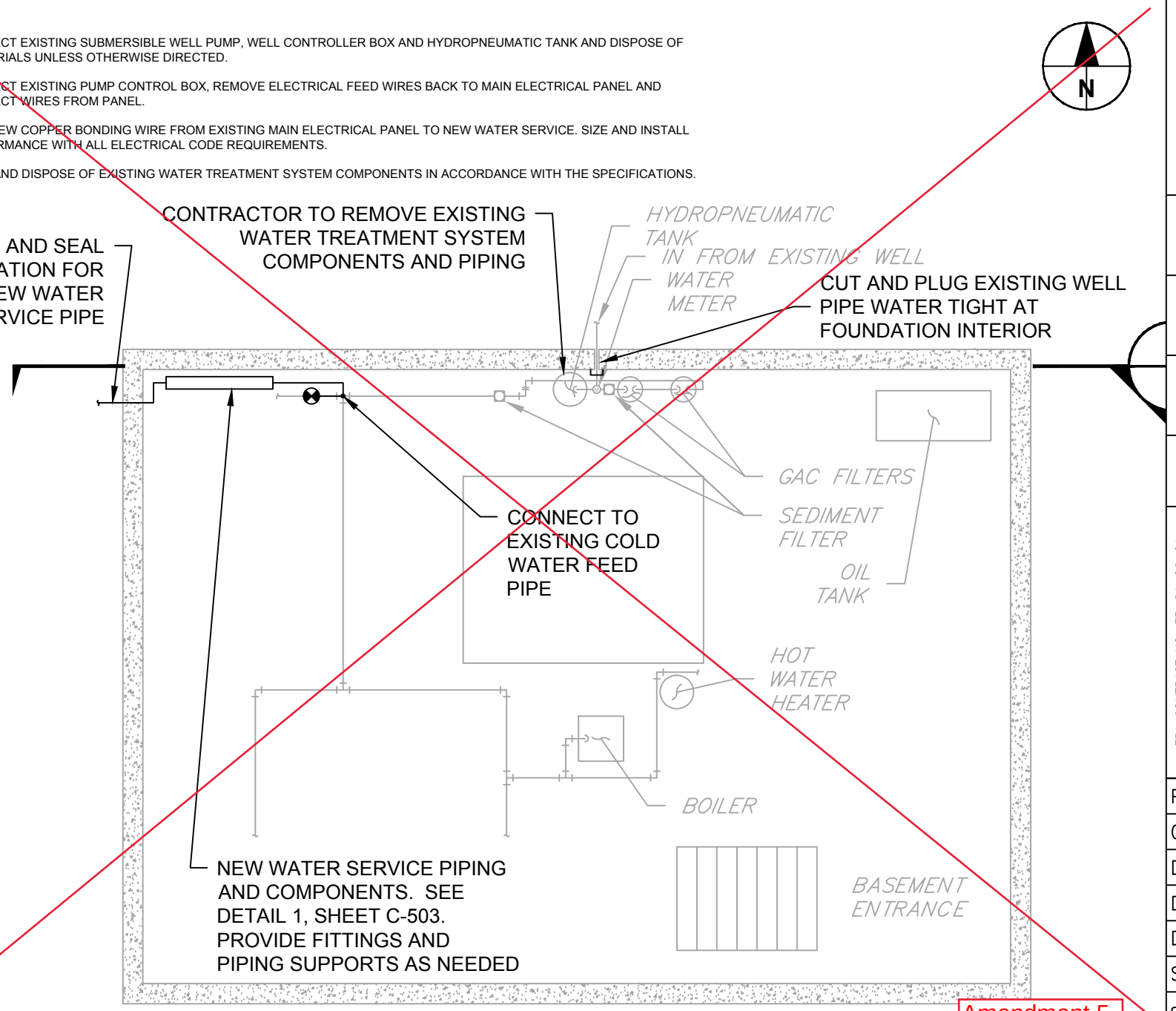

Amendment 5

REV	MARK	DATE	MADE BY	CHECKED	DESCRIPTION
1		DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
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AECOM

EPA CONTRACT NO. EP-S1-06-01
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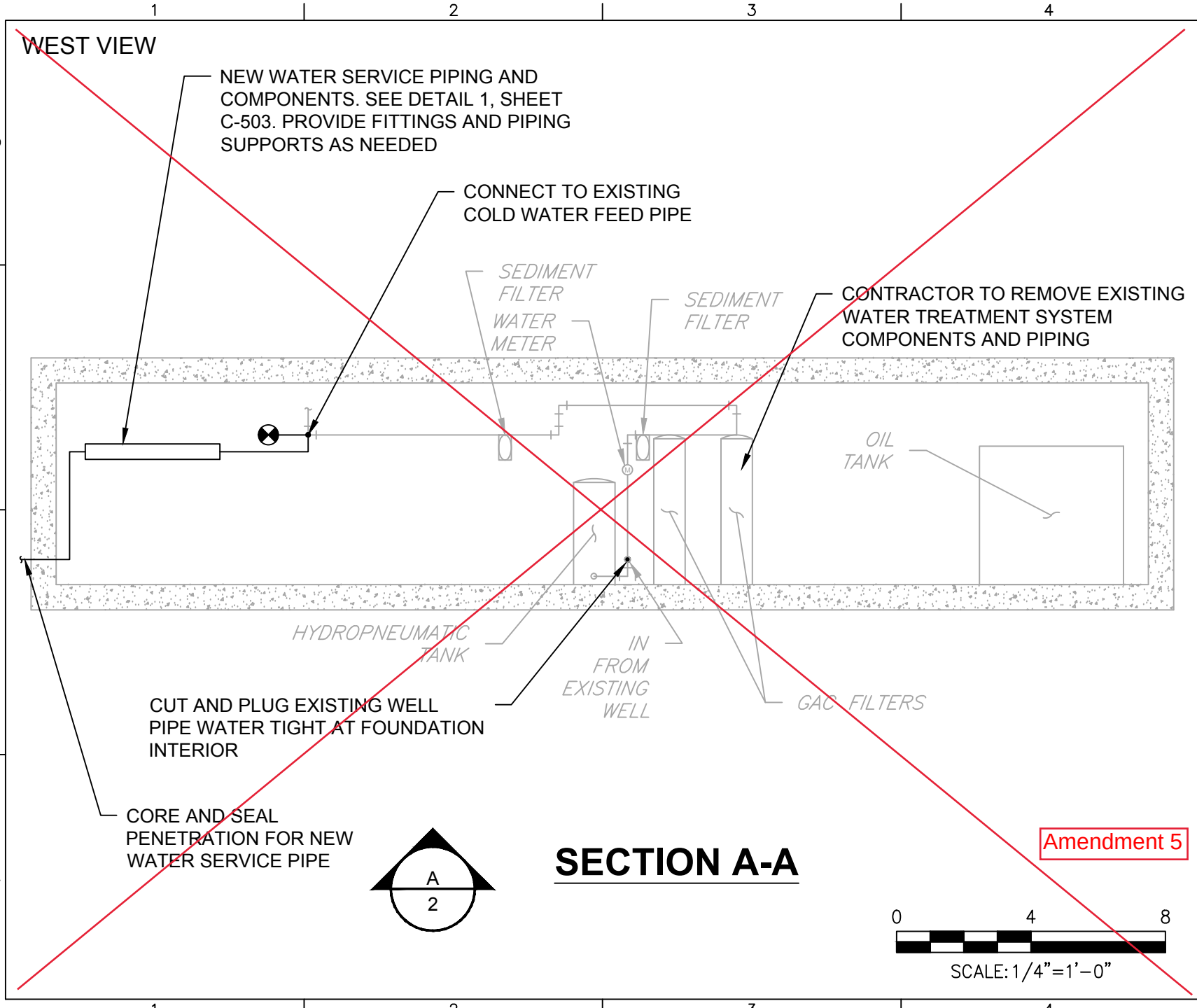
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
19 MAIDEN LANE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	19 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

19 MAIDEN LANE

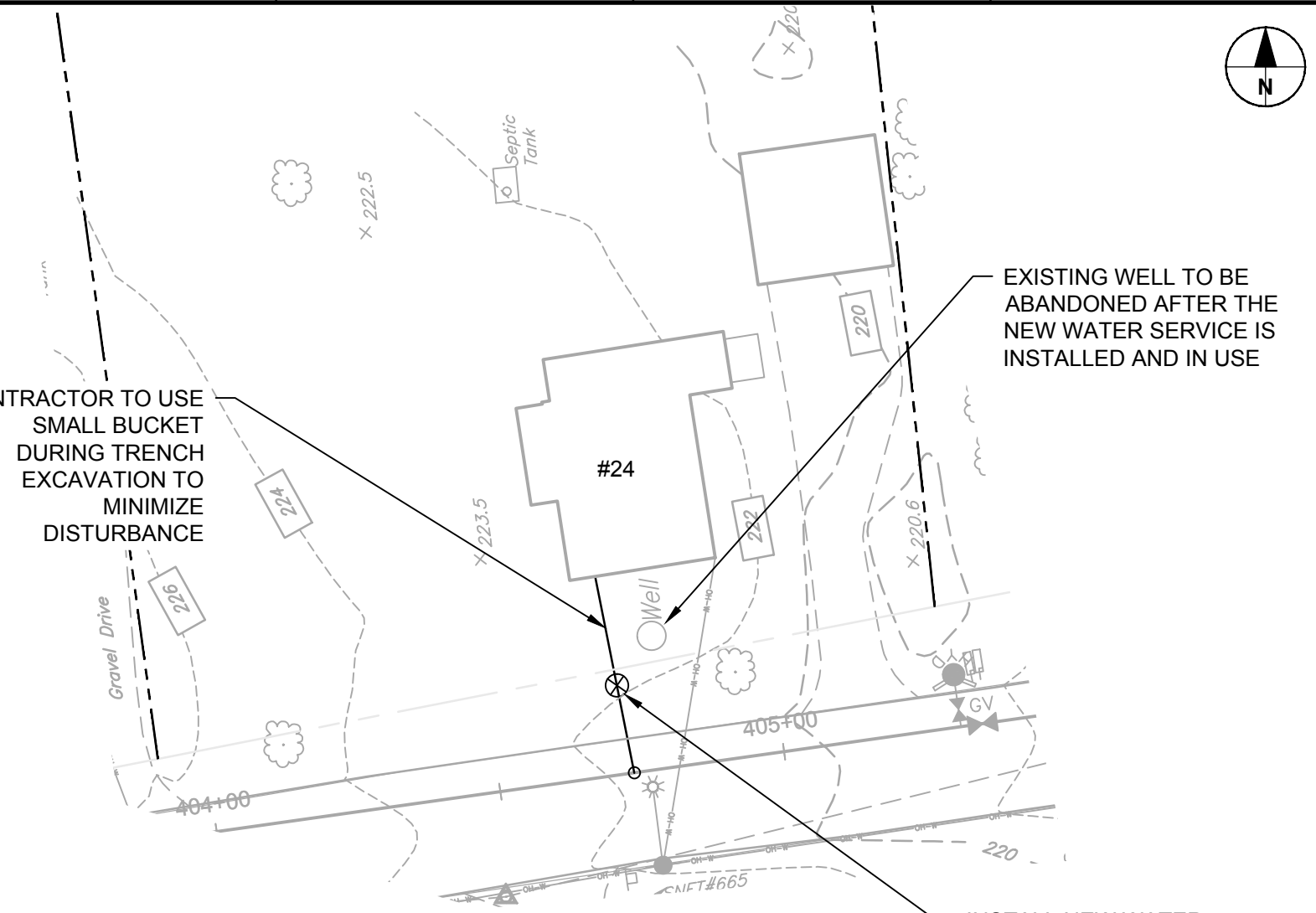
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	19 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

24 Maiden Lane

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
24 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-24MAID.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

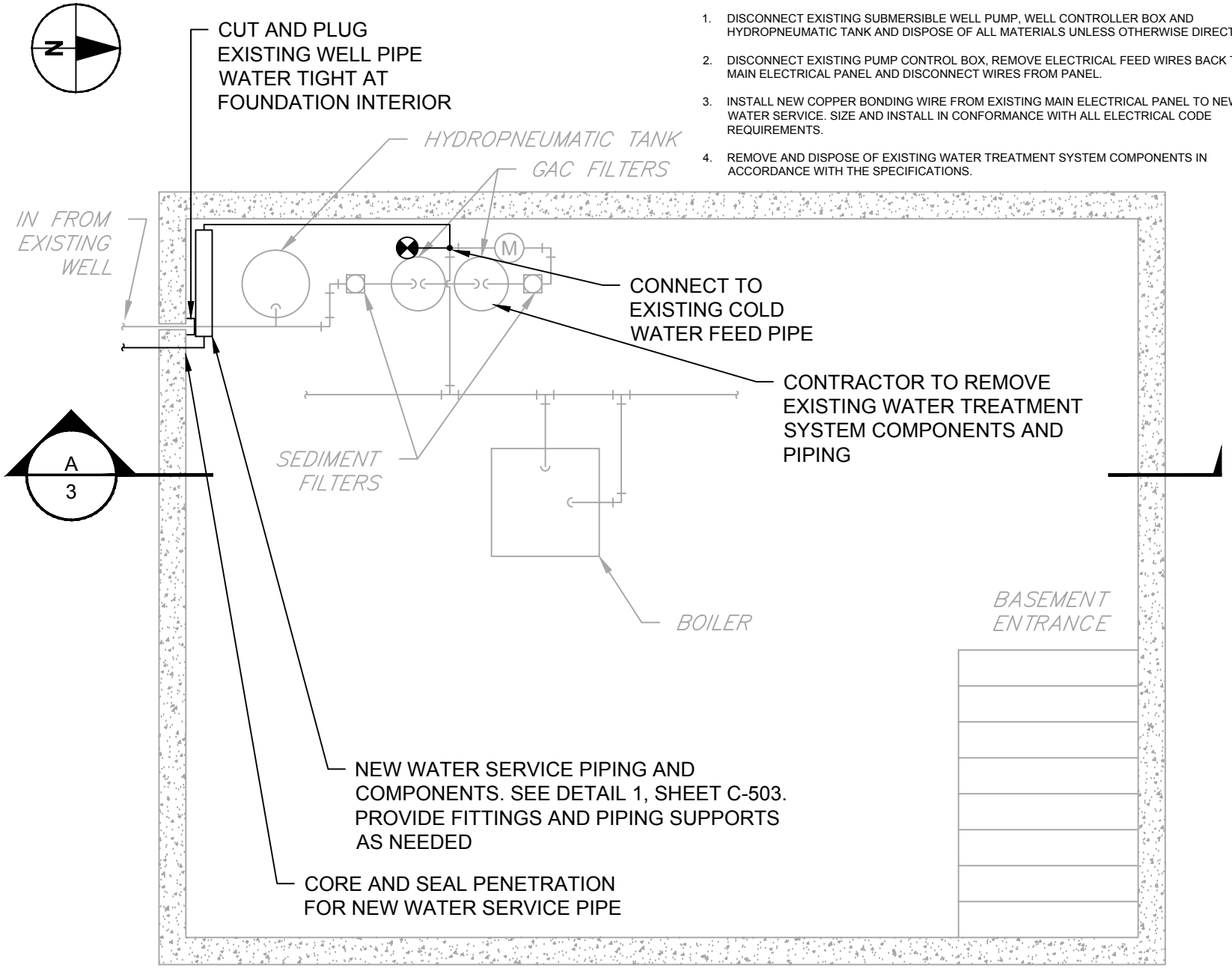
PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

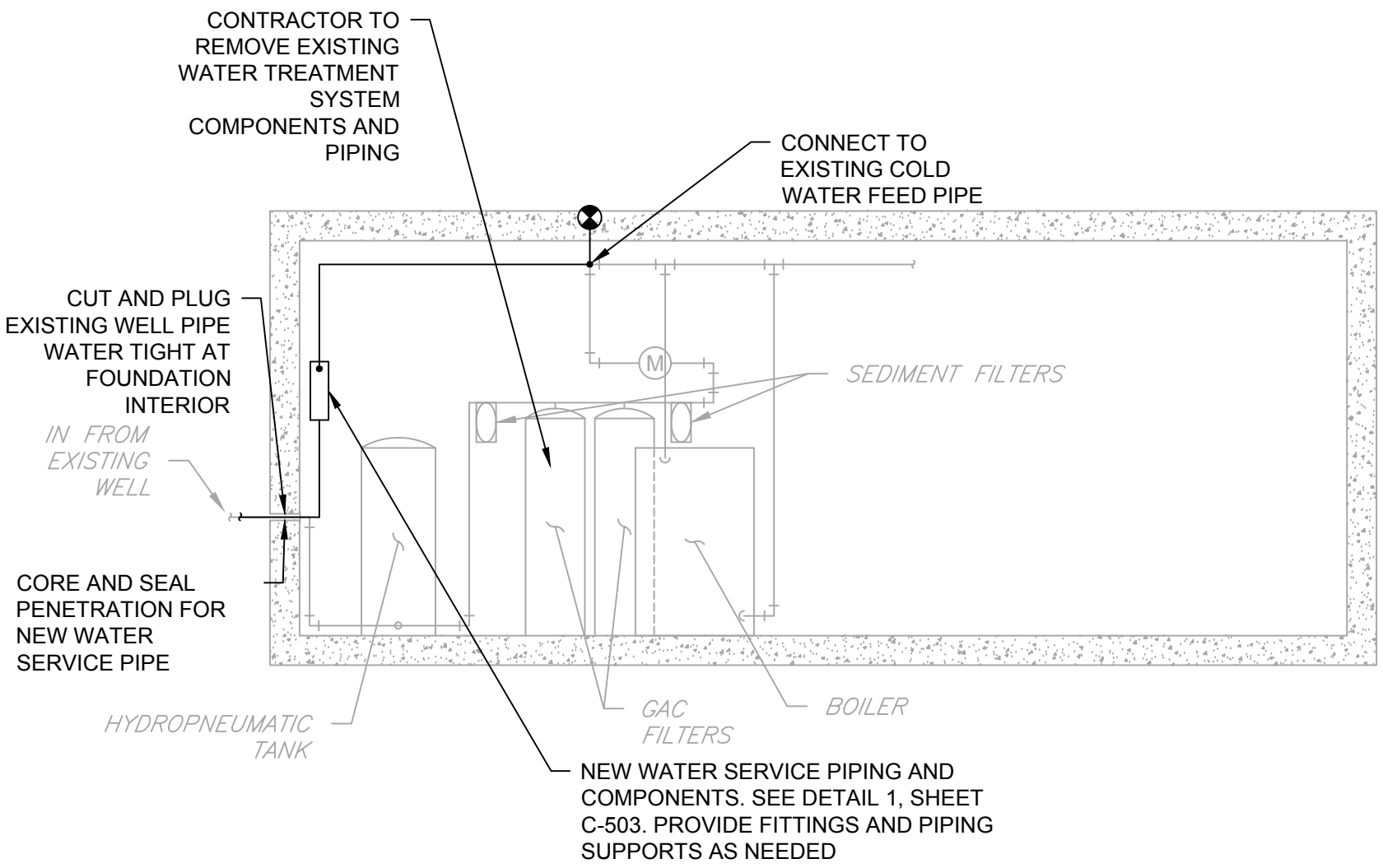
TOWN OF DURHAM
24 MAIDEN LANE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	24 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

WEST VIEW



0 4 8

SCALE: 1/4"=1'-0"

A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

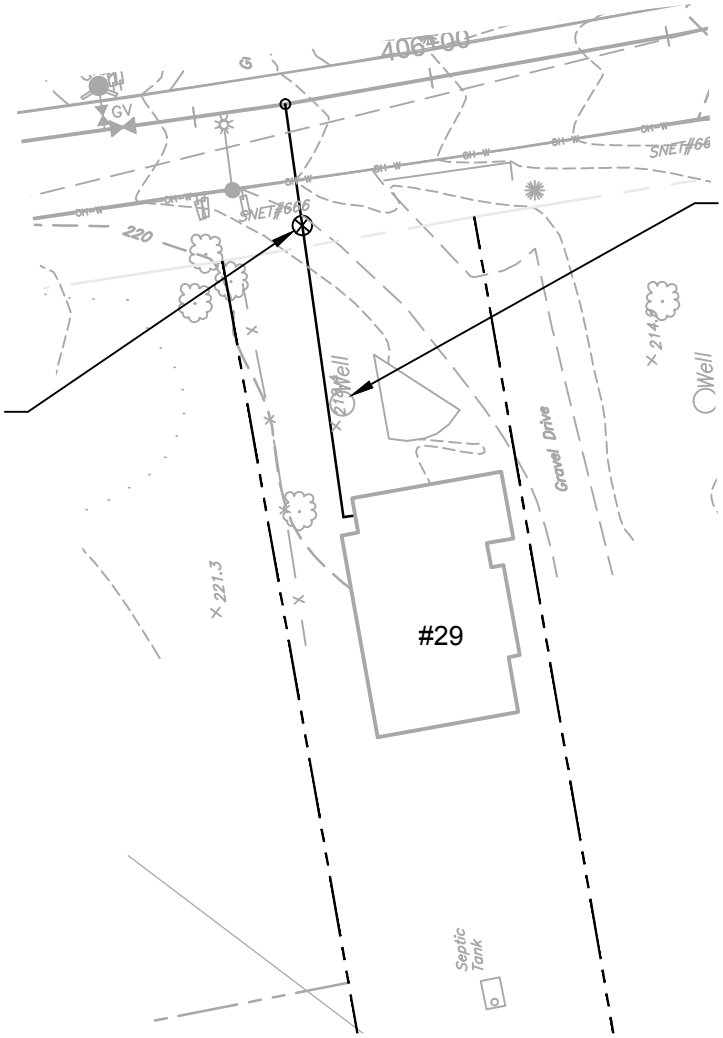
TOWN OF DURHAM
24 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	24 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 2

29 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'



INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

N

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

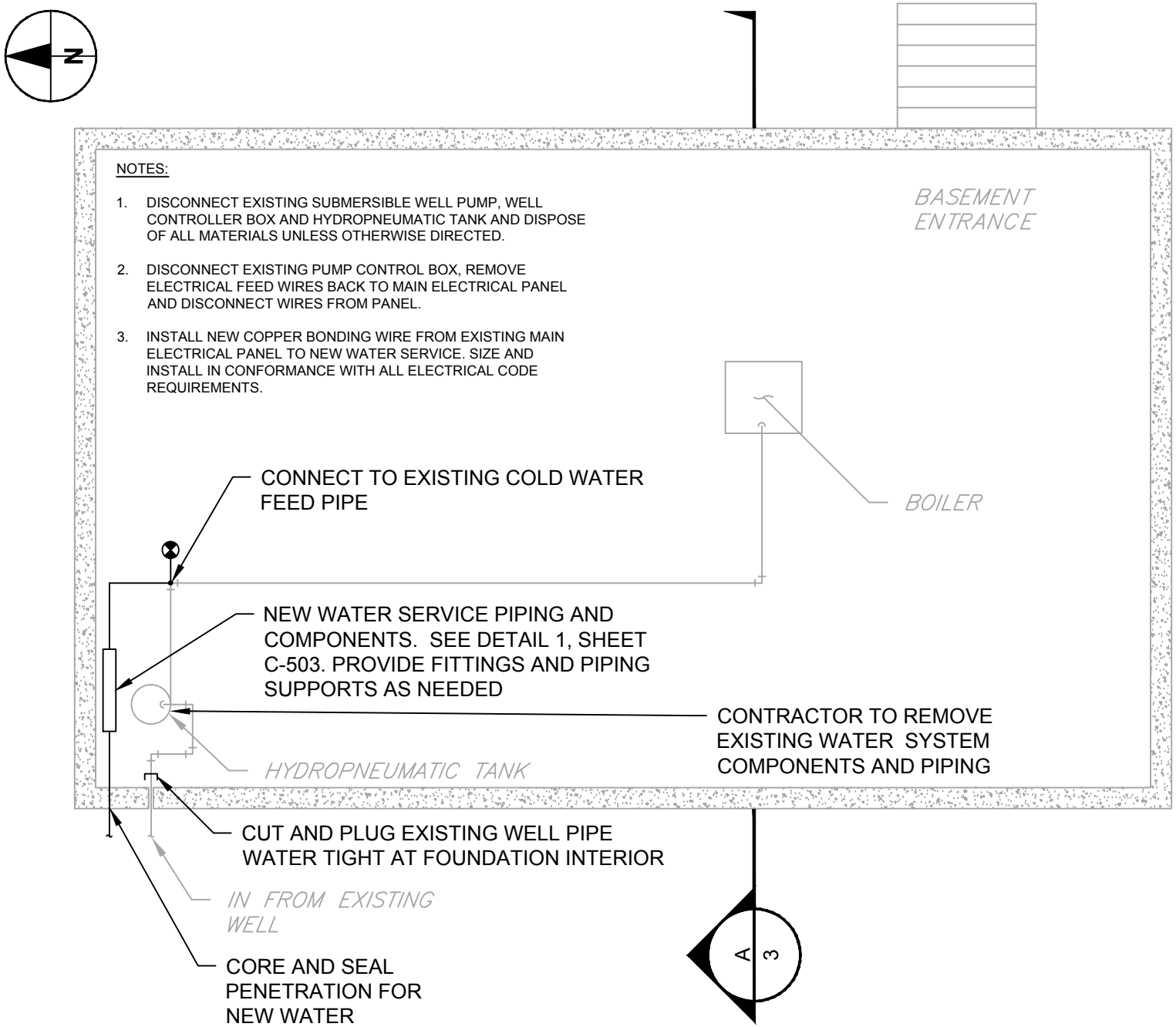
TOWN OF DURHAM
29 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-29MAID.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

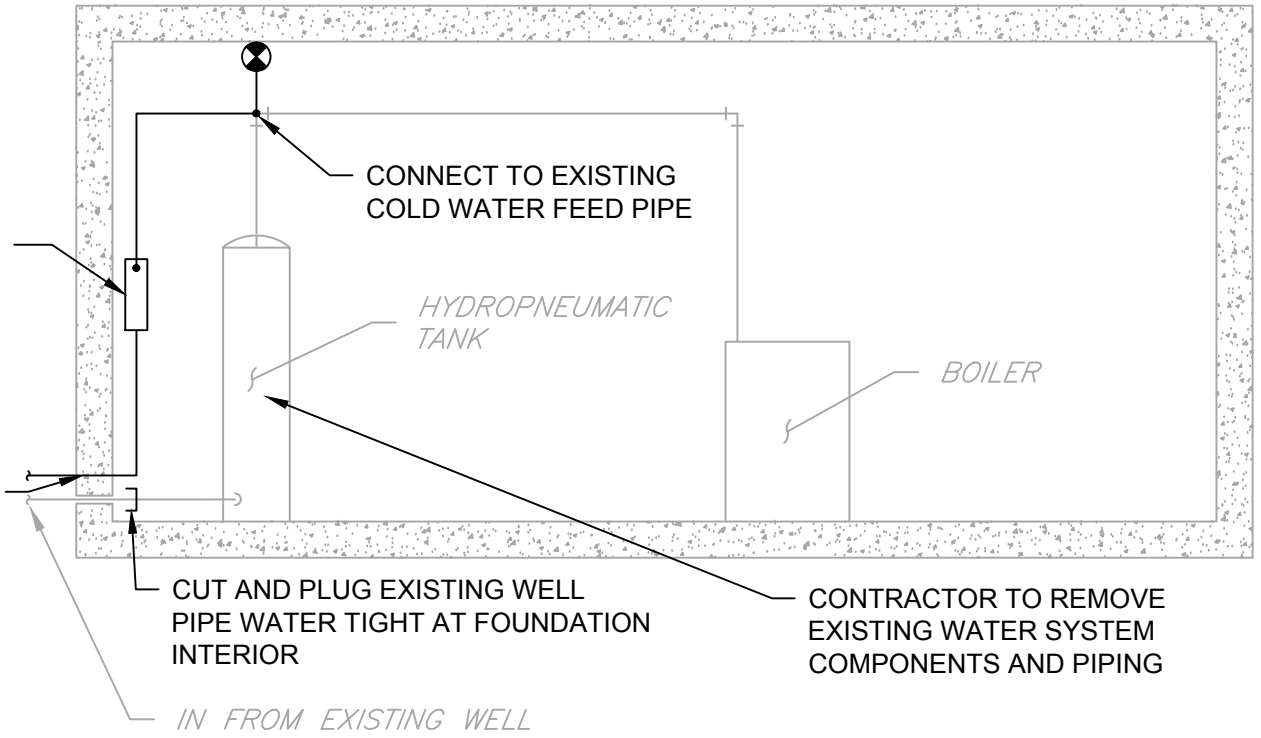
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
29 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	29 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



0 4 8

SCALE: 1/4"=1'-0"

A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

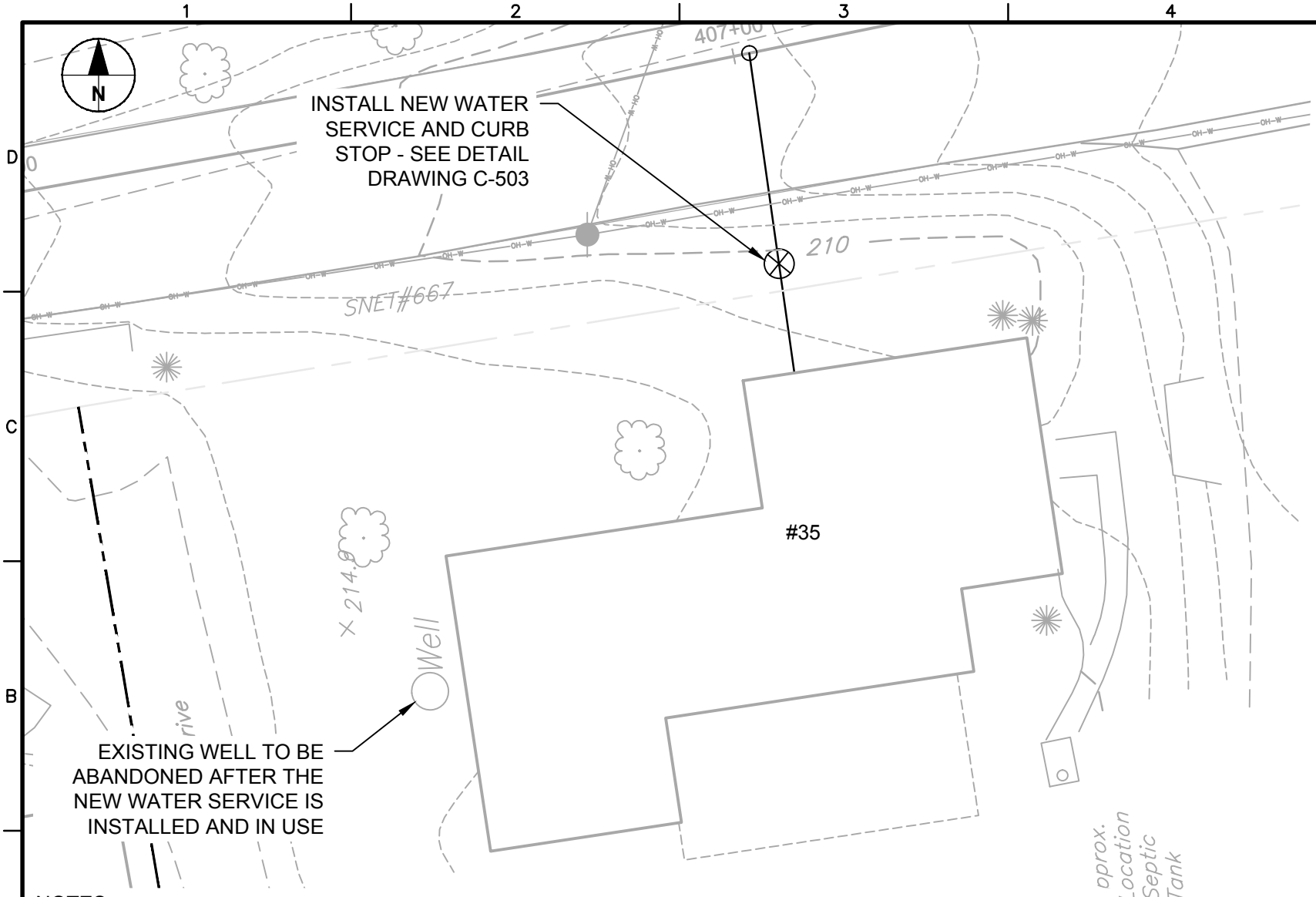
TOWN OF DURHAM
29 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	29 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

35 Maiden Lane

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

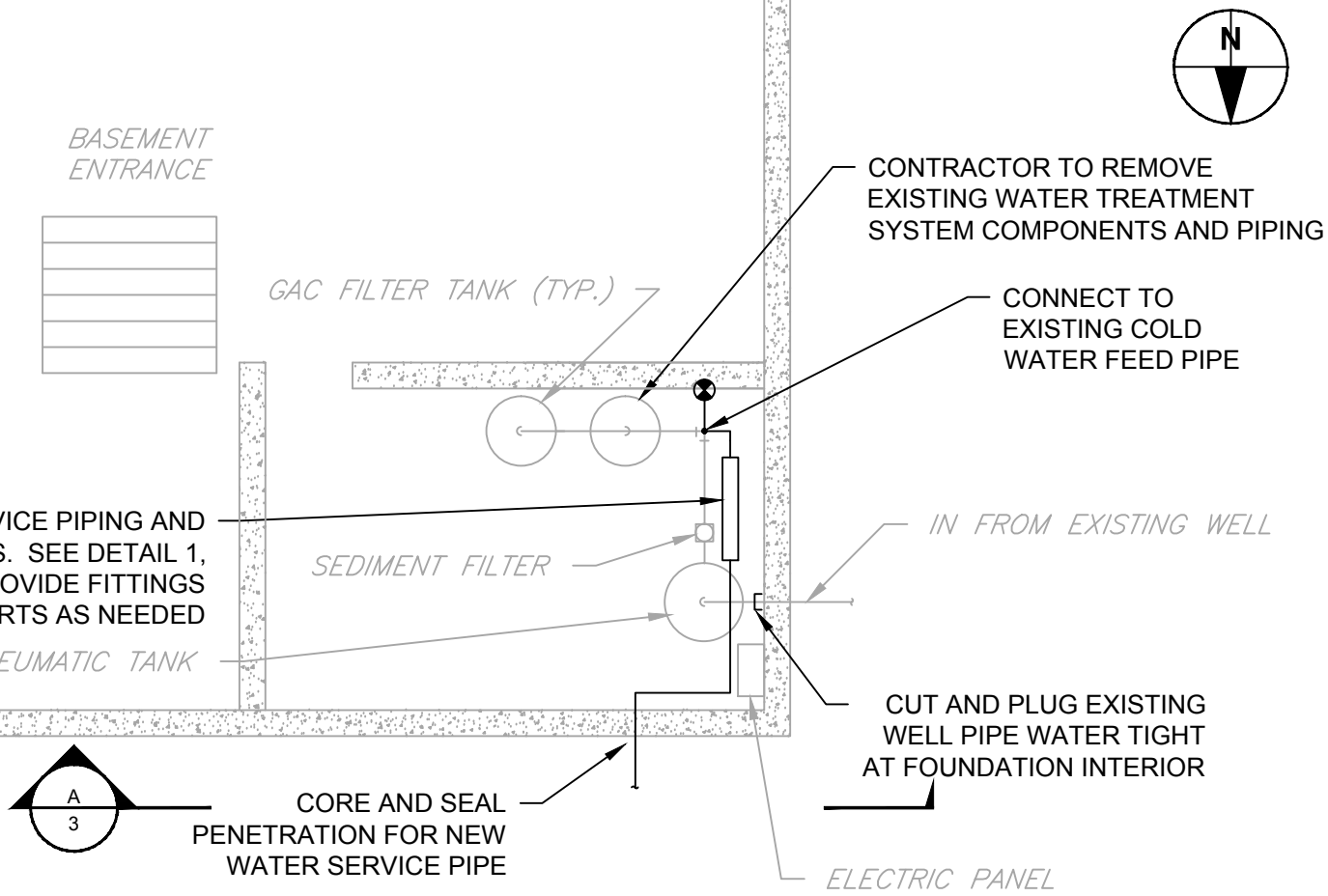
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
35 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-35MAIDEN.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

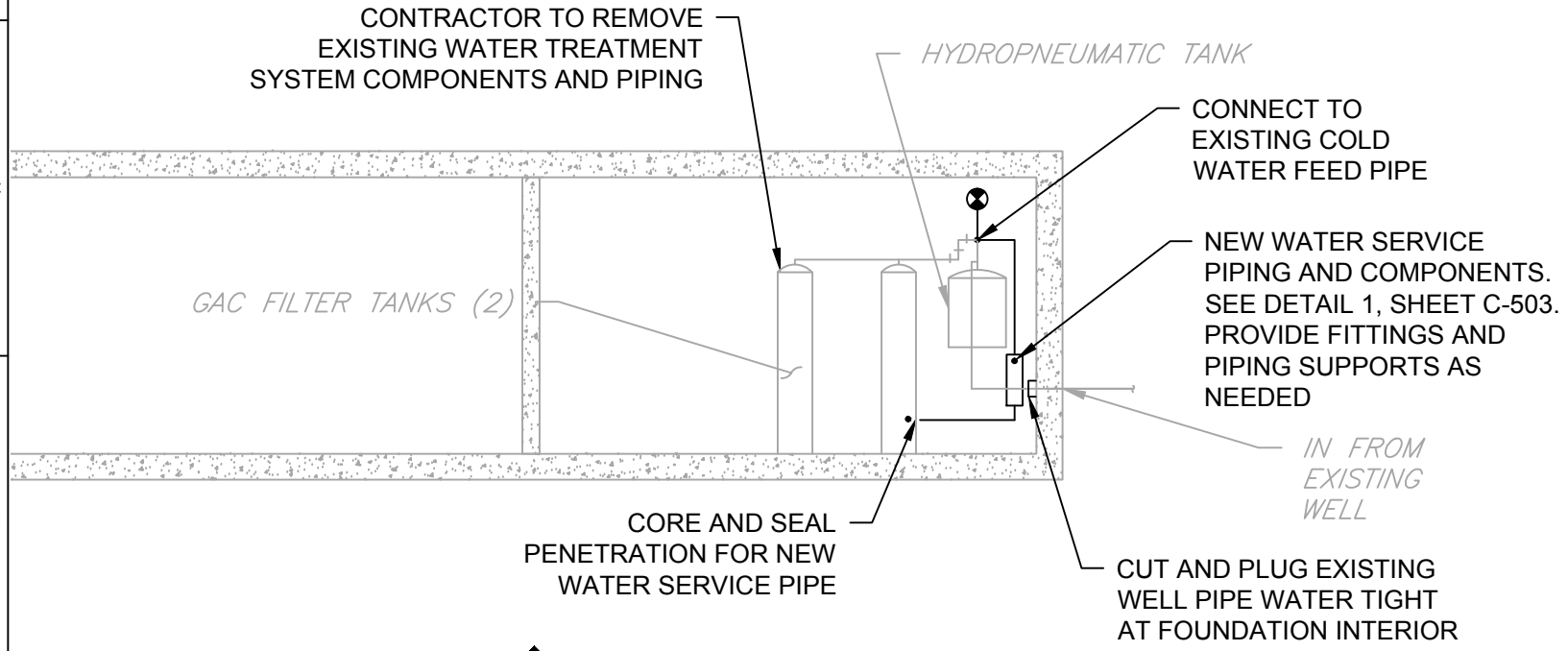
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
35 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	35 Maiden Lane.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

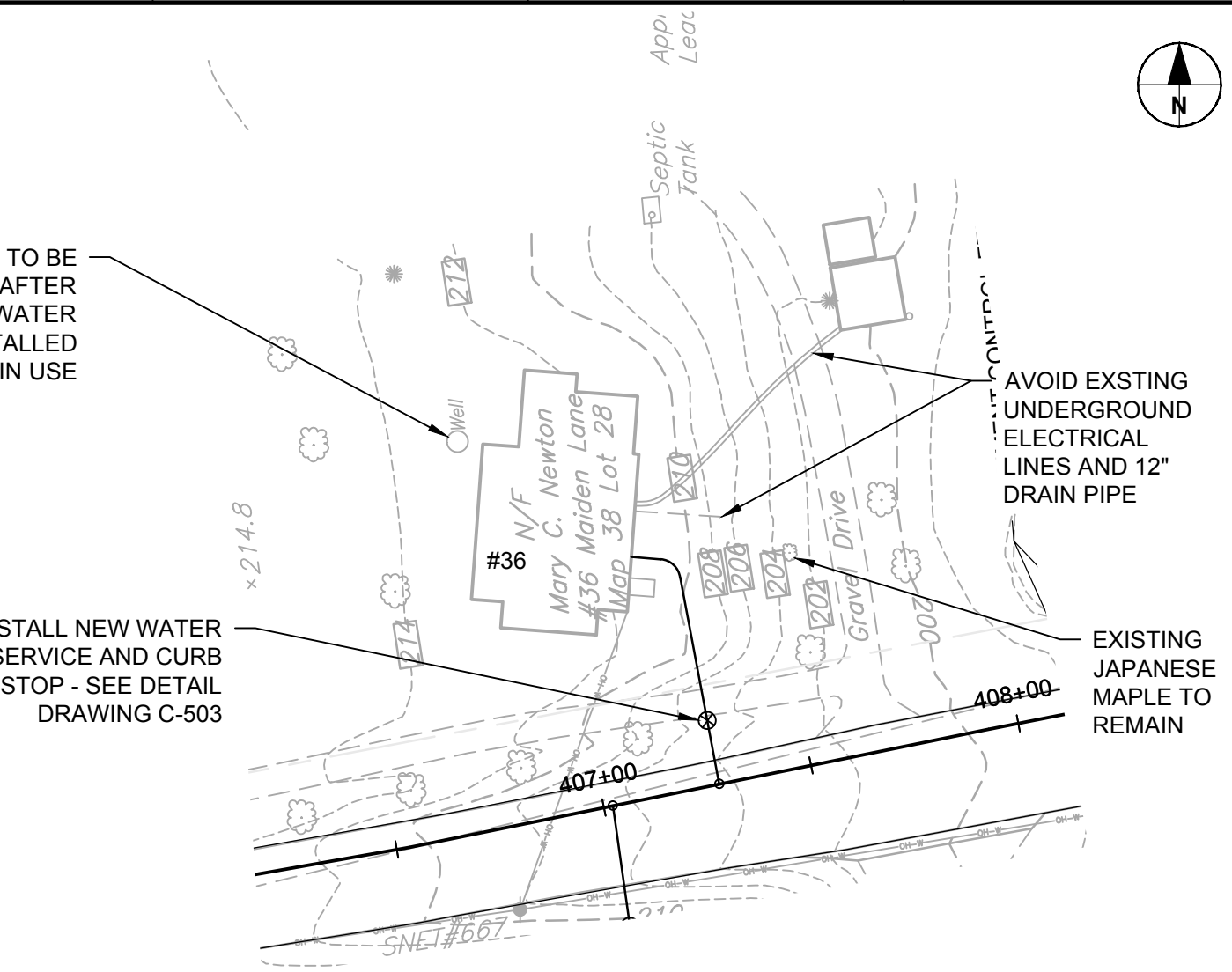
TOWN OF DURHAM
35 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	35 Maiden Lane.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	3 OF 3

36 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

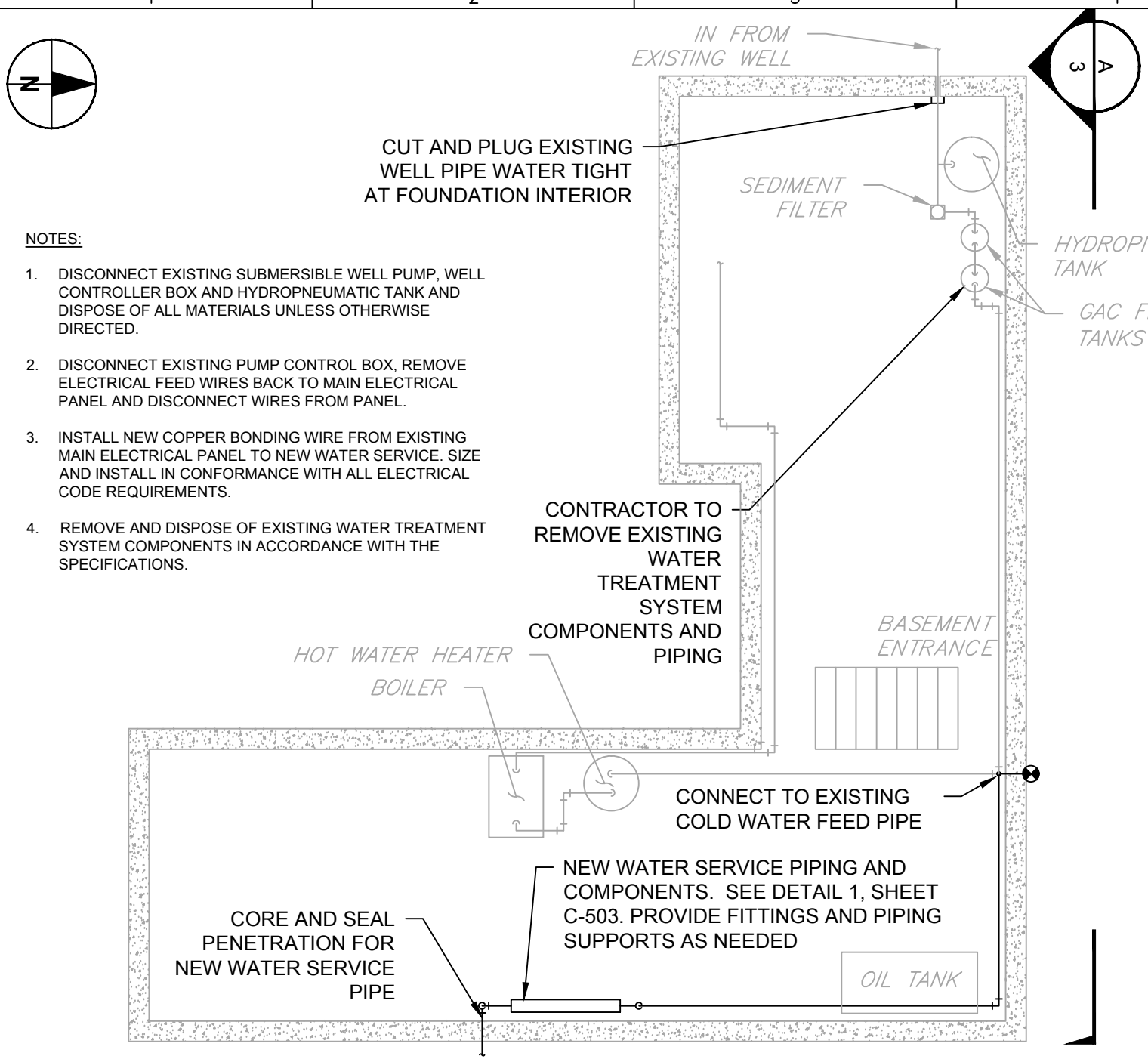
TOWN OF DURHAM
36 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-36MAID.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

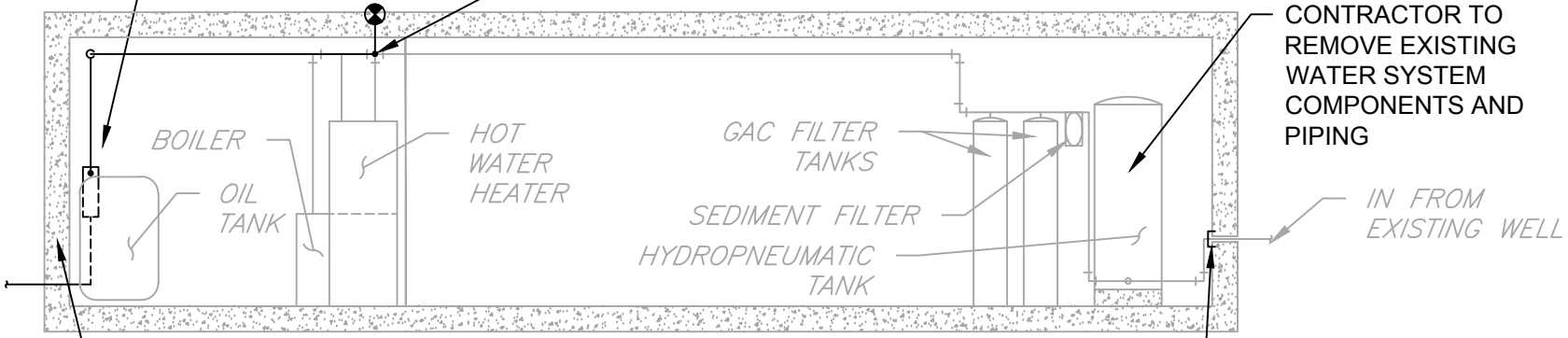
TOWN OF DURHAM
36 MAIDEN LANE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	36 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A/2 **SECTION A-A**

0 4 8 12

SCALE: 3/16"=1'-0"

REV	MARK	DATE	MADE BY	CHECKED	DESCRIPTION
1		DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
36 MAIDEN LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	36 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

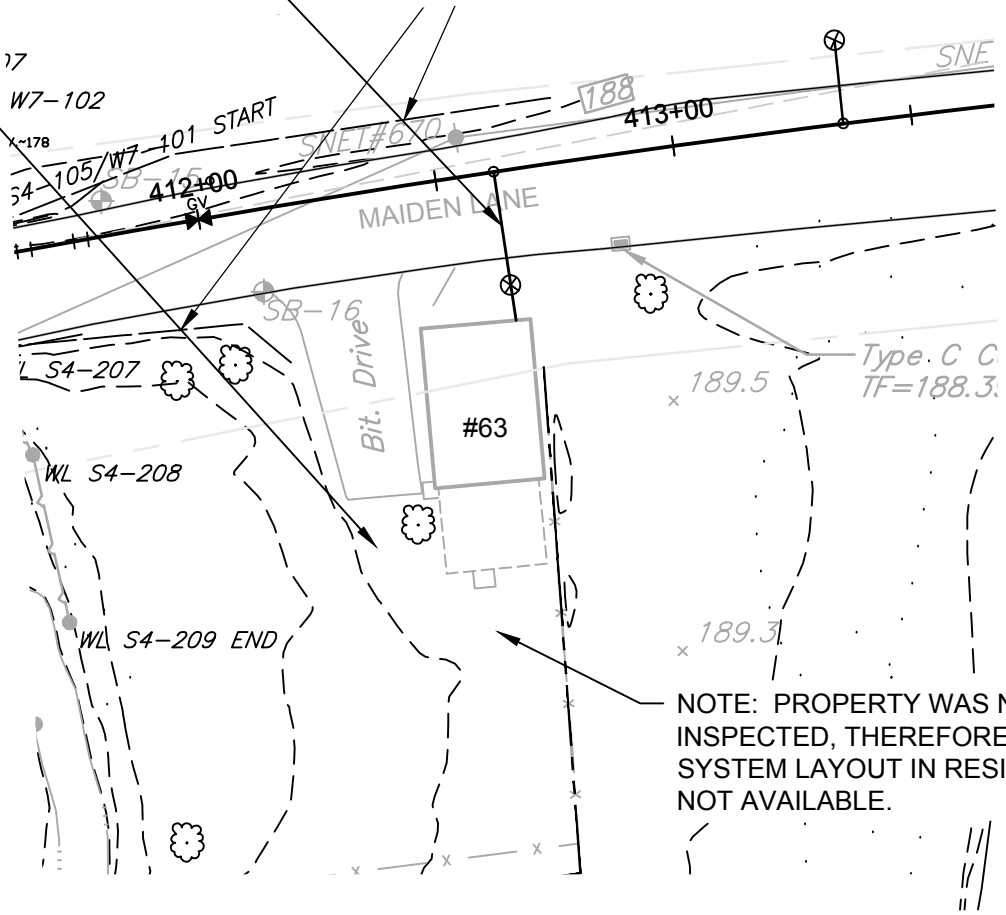
63 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'

CONTRACTOR TO VERIFY LOCATION OF NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

LOCATE EXISTING WELL. WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE



NOTE: PROPERTY WAS NOT INSPECTED, THEREFORE WATER SYSTEM LAYOUT IN RESIDENCE IS NOT AVAILABLE.

NOTES:

1. CONTRACTOR TO LOCATE EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

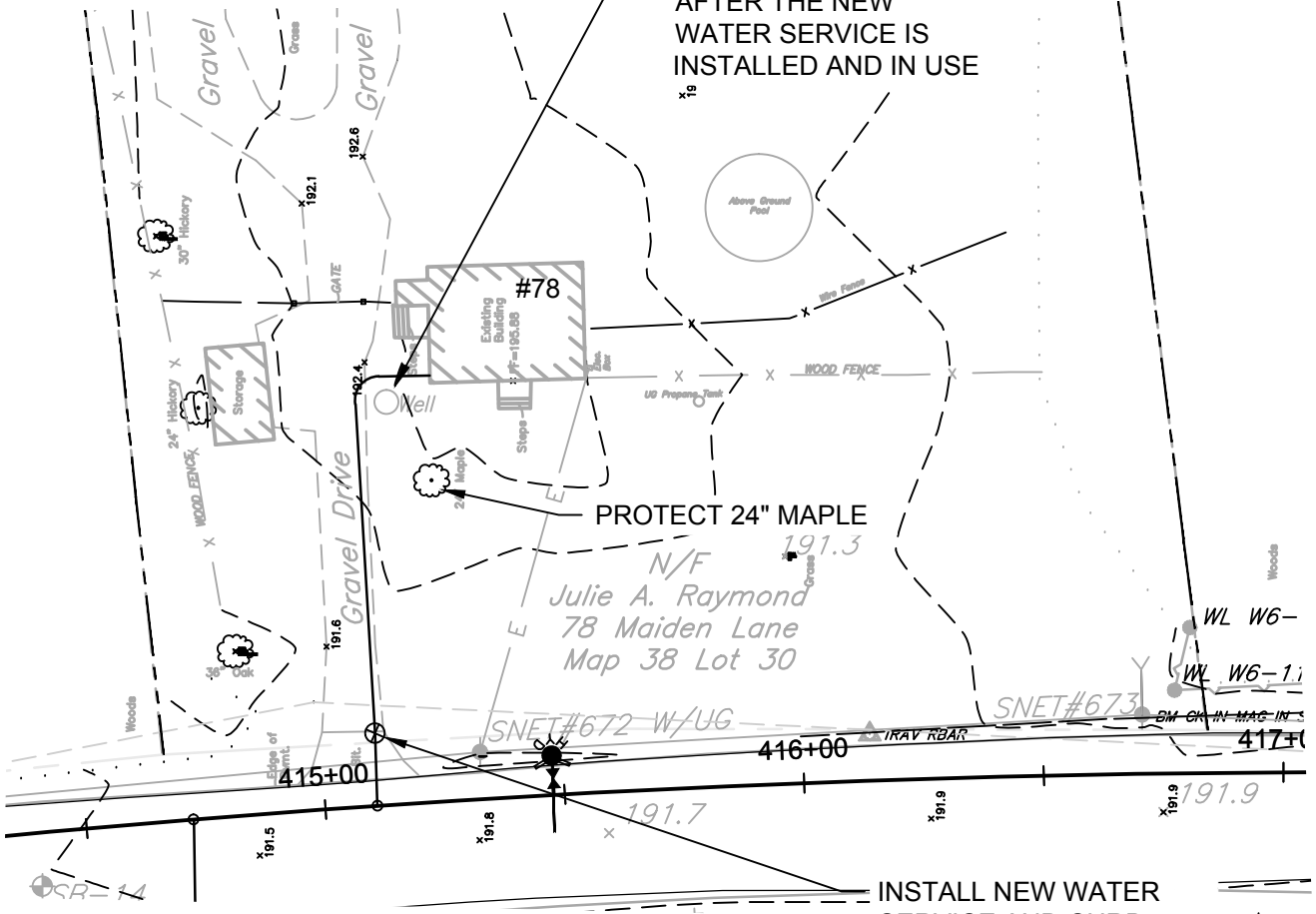
TOWN OF DURHAM
63 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-63MAID.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

78 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO LOCATE EXISTING SEPTIC SYSTEM NORTH OF HOUSE AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

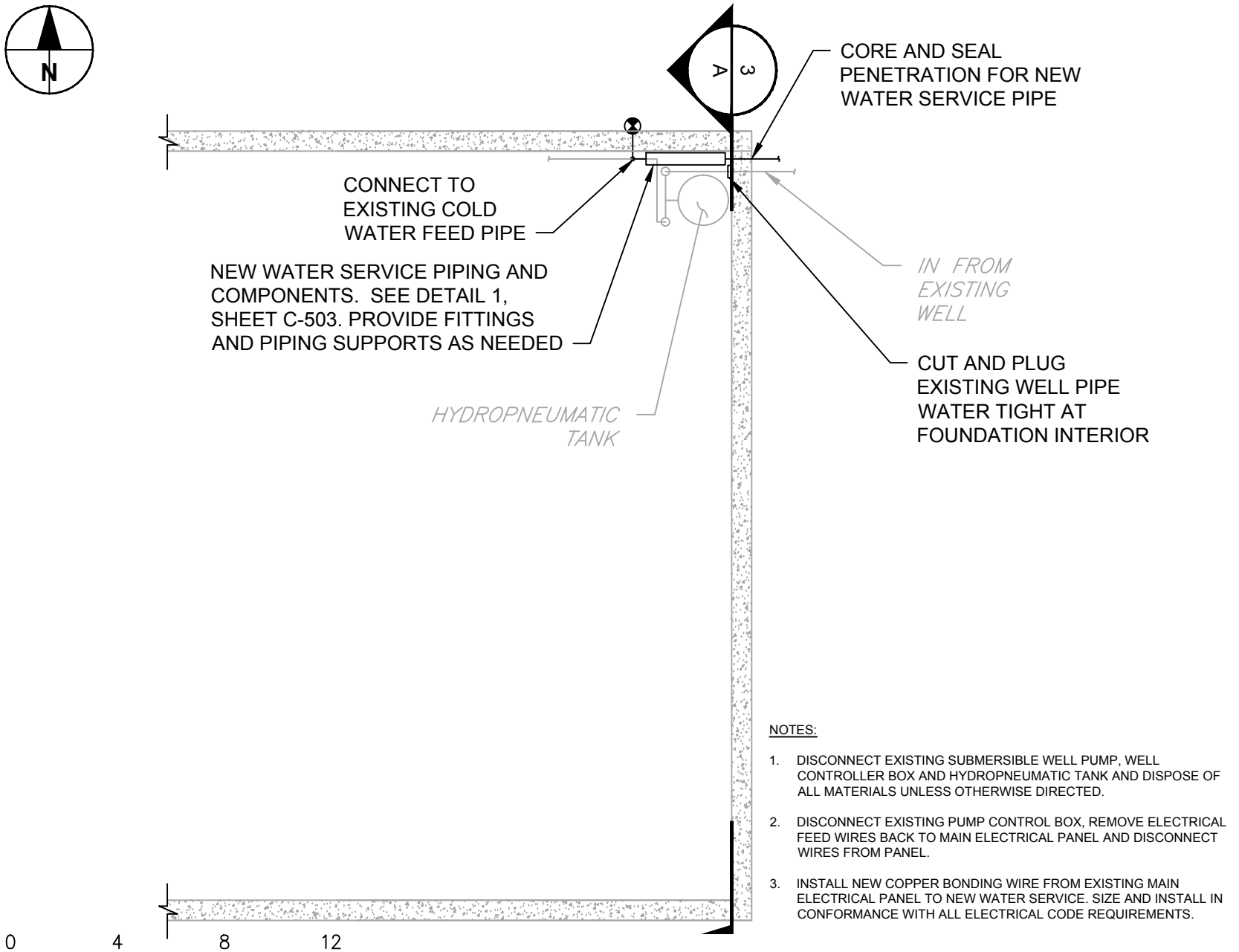
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
78 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-78MAID.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 1

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
78 MAIDEN LANE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

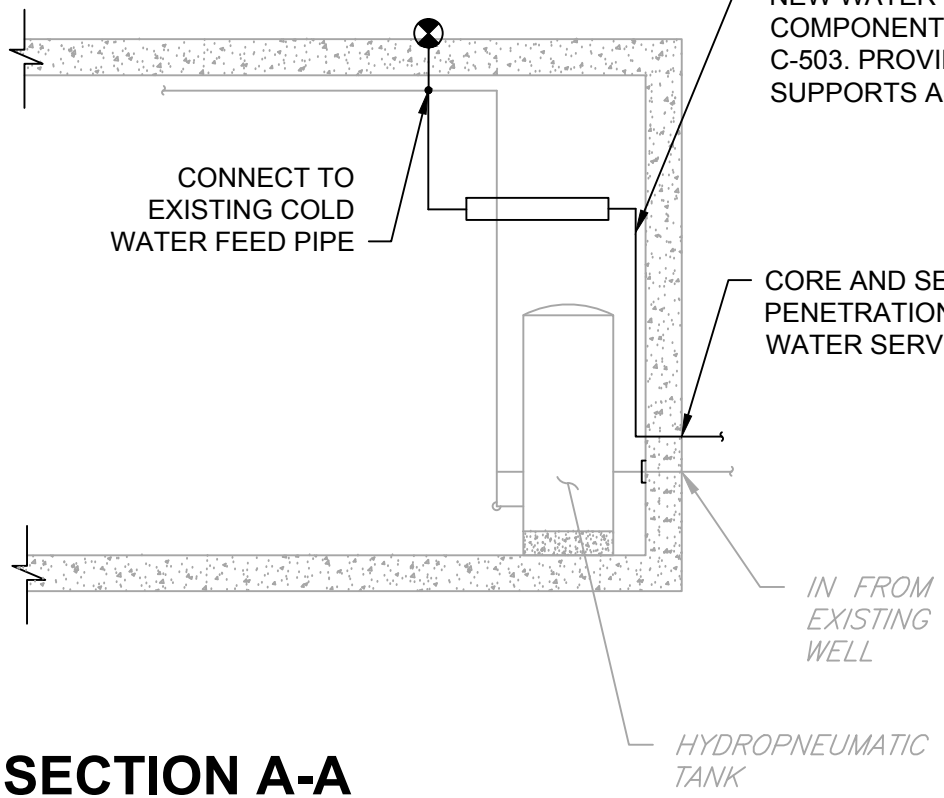
PROJECT NO:	60275749
CAD FILE:	78 Maiden Lane.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

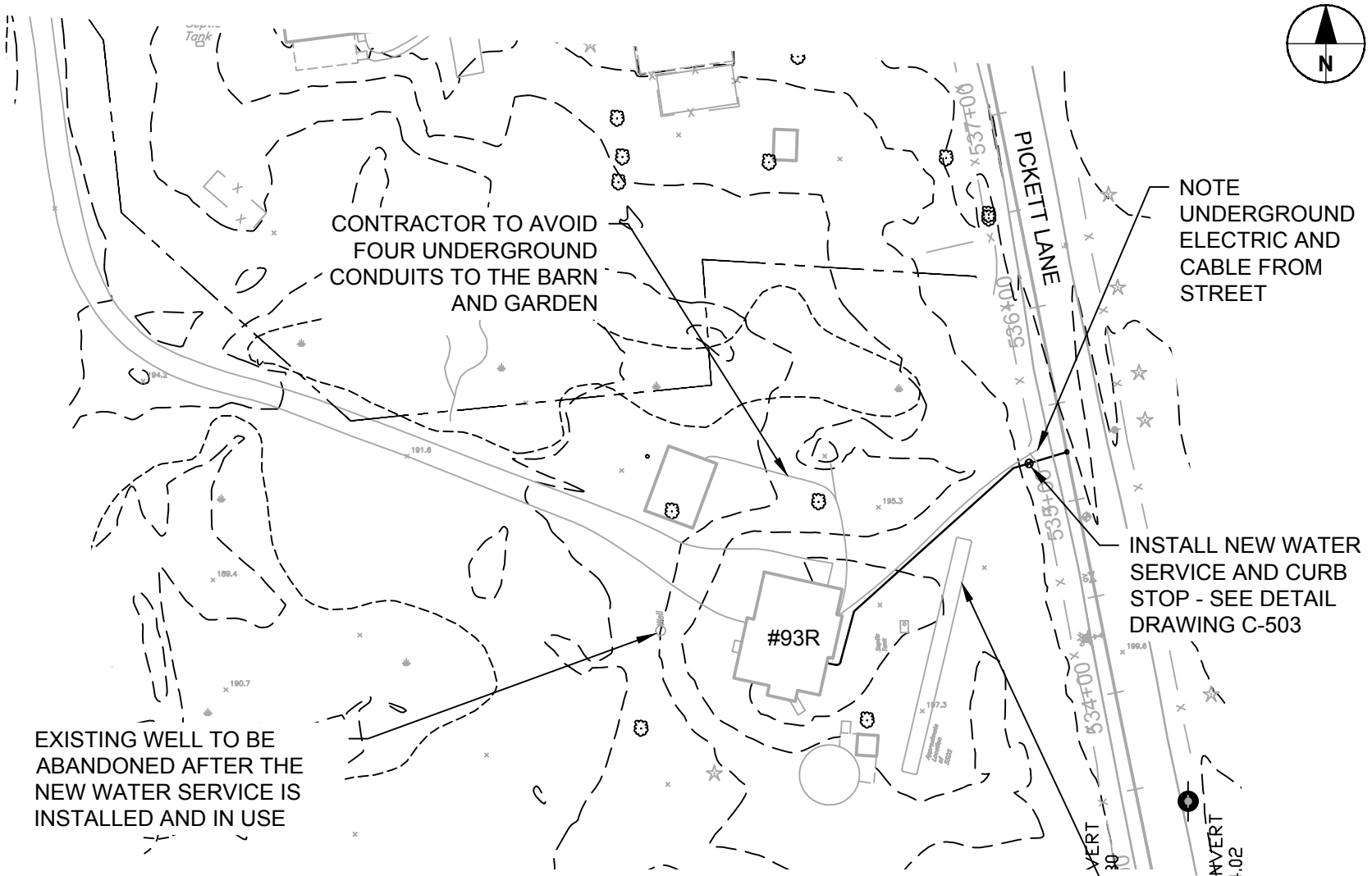
TOWN OF DURHAM
78 MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	78 Maiden Lane.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

93R Maiden Lane

PLOTTED: 23-Jan-18

0 80' 160'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. CONTRACTOR TO AVOID UNDERGROUND CABLE, ELECTRIC AND DOG FENCE
4. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
5. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLES OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
93R MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-93RMAIDEN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 80'
SHEET	1 OF 3

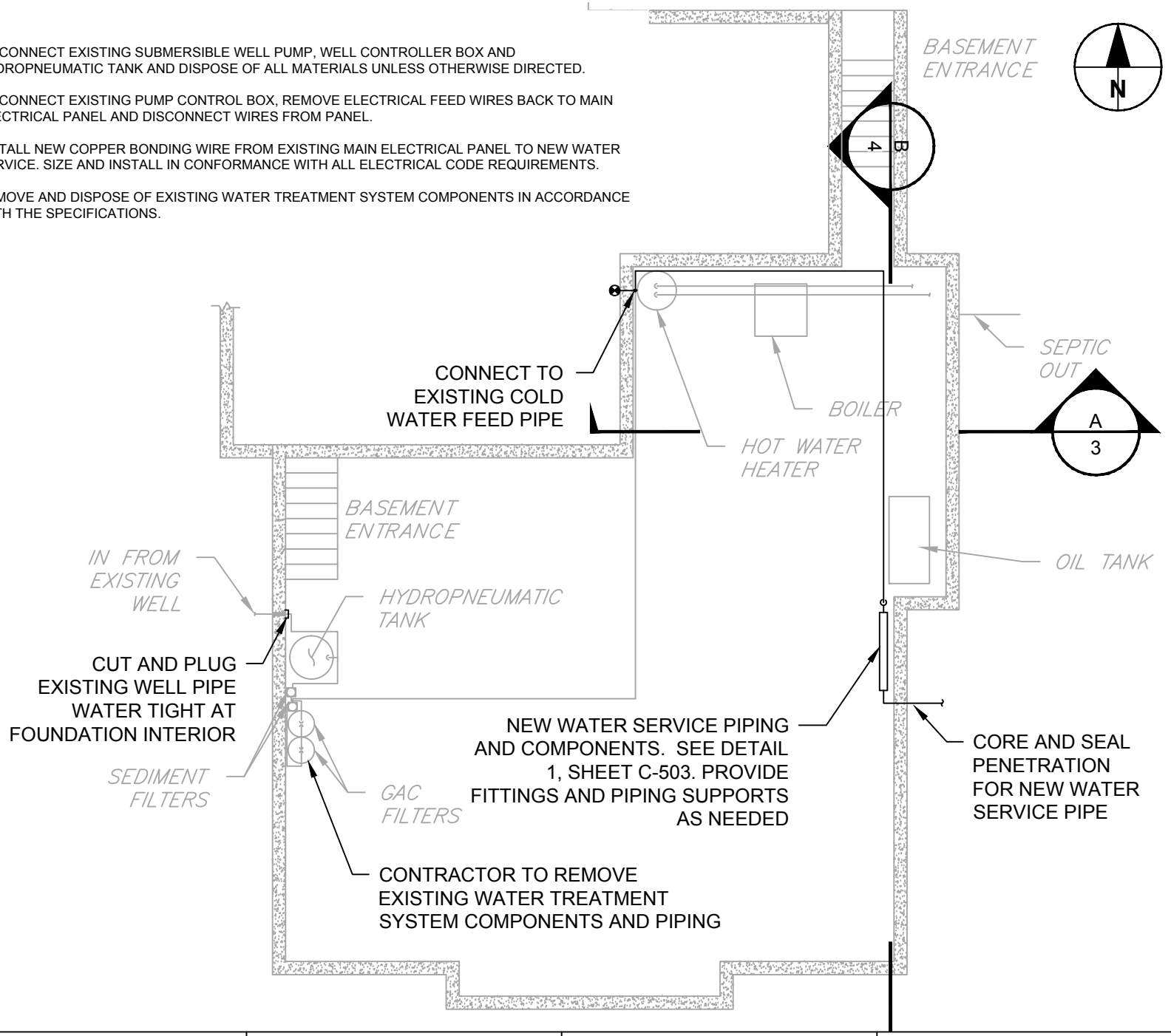
PLOTTED: 23-Jan-18

0 8 16

SCALE: 1/8"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.



REVISIONS	DESCRIPTION	CHECKED	MADE BY	DATE	MARK
ADDENDUM NO. 2		DGS	MCC	JAN 2017	REV 1

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
93R MAIDEN LANE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

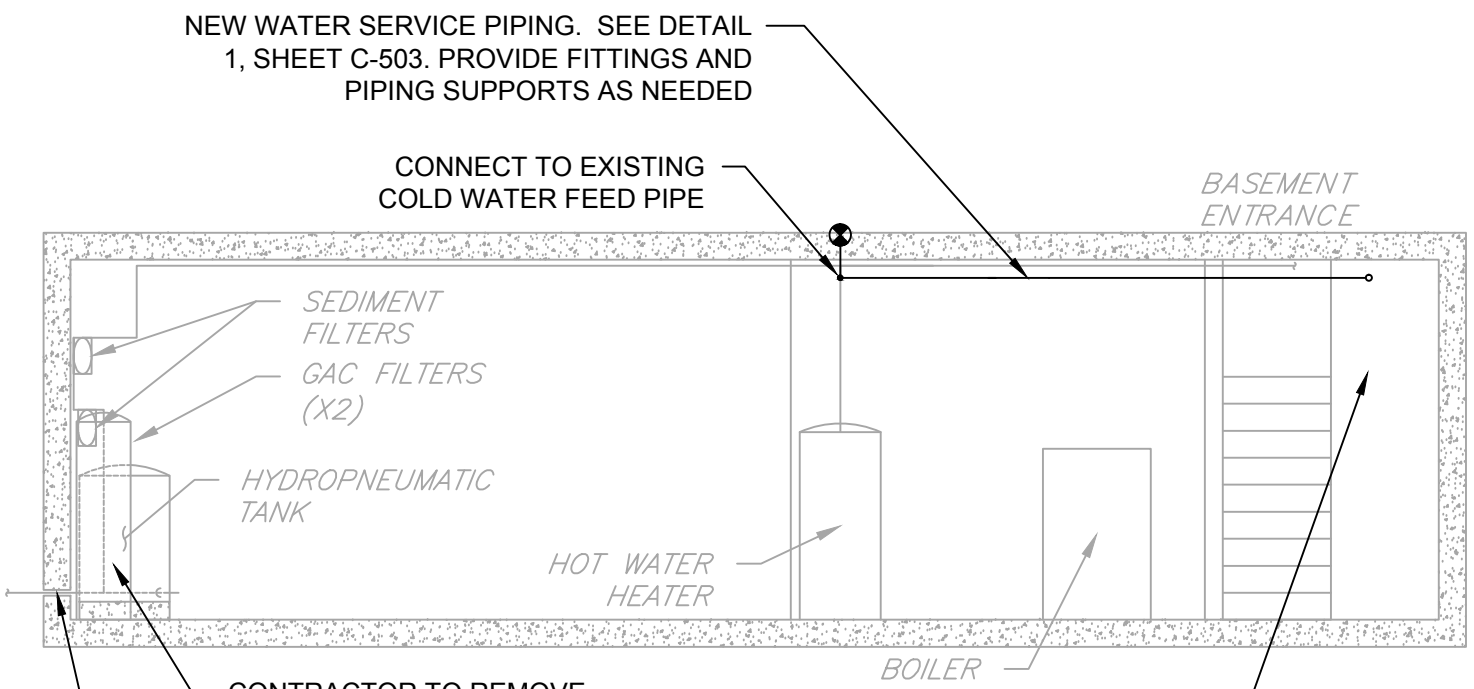
PROJECT NO:	60275749
CAD FILE:	93R Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/8" = 1' - 0"
SHEET	2 OF 4

PLOTTED: 23-Jan-18

NORTH VIEW

0 4 8 12

SCALE: 3/16"=1'-0"



SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
93R MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

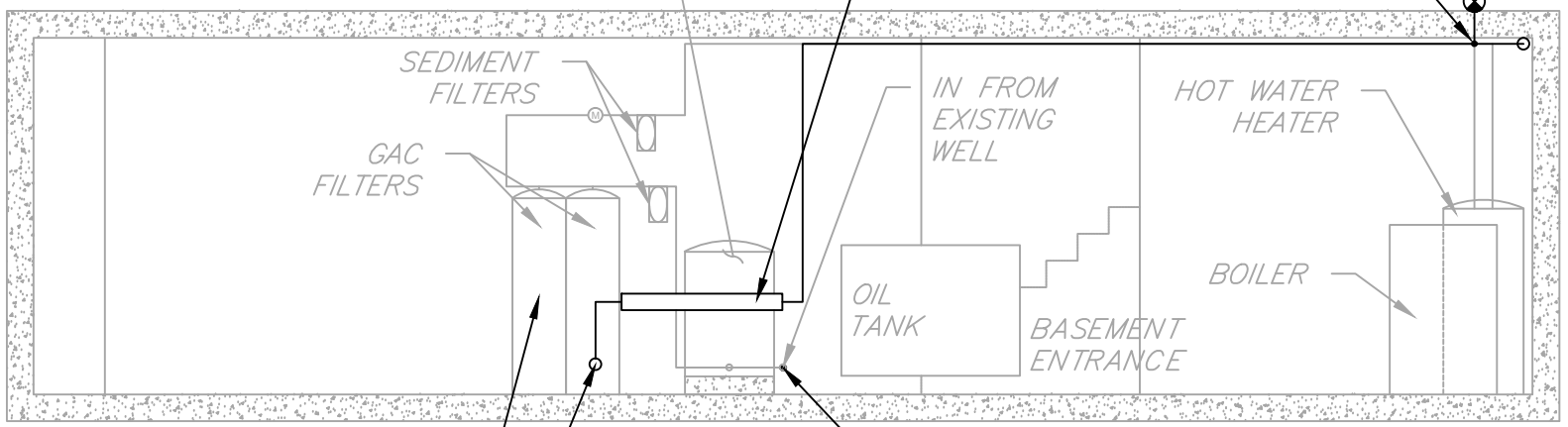
PROJECT NO:	60275749
CAD FILE:	93R Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 4

PLOTTED: 23-Jan-18

WEST VIEW

0 4 8 12

SCALE: 3/16"=1'-0"



NEW WATER SERVICE PIPING AND COMPONENTS (ALONG NORTH WALL). SEE DETAIL 1, SHEET C-503. PROVIDE FITTINGS AND PIPING SUPPORTS AS NEEDED

CONNECT TO EXISTING COLD WATER FEED PIPE

CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING

CORE AND SEAL PENETRATION FOR NEW WATER SERVICE PIPE

CUT AND PLUG EXISTING WELL PIPE WATER TIGHT AT FOUNDATION INTERIOR

B
2

SECTION B-B

REV	DATE	MADE BY	MCC
1	JAN 2017		

MARK	DATE	CHECKED	DGS

DESCRIPTION	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
93R MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	93R Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	4 OF 4

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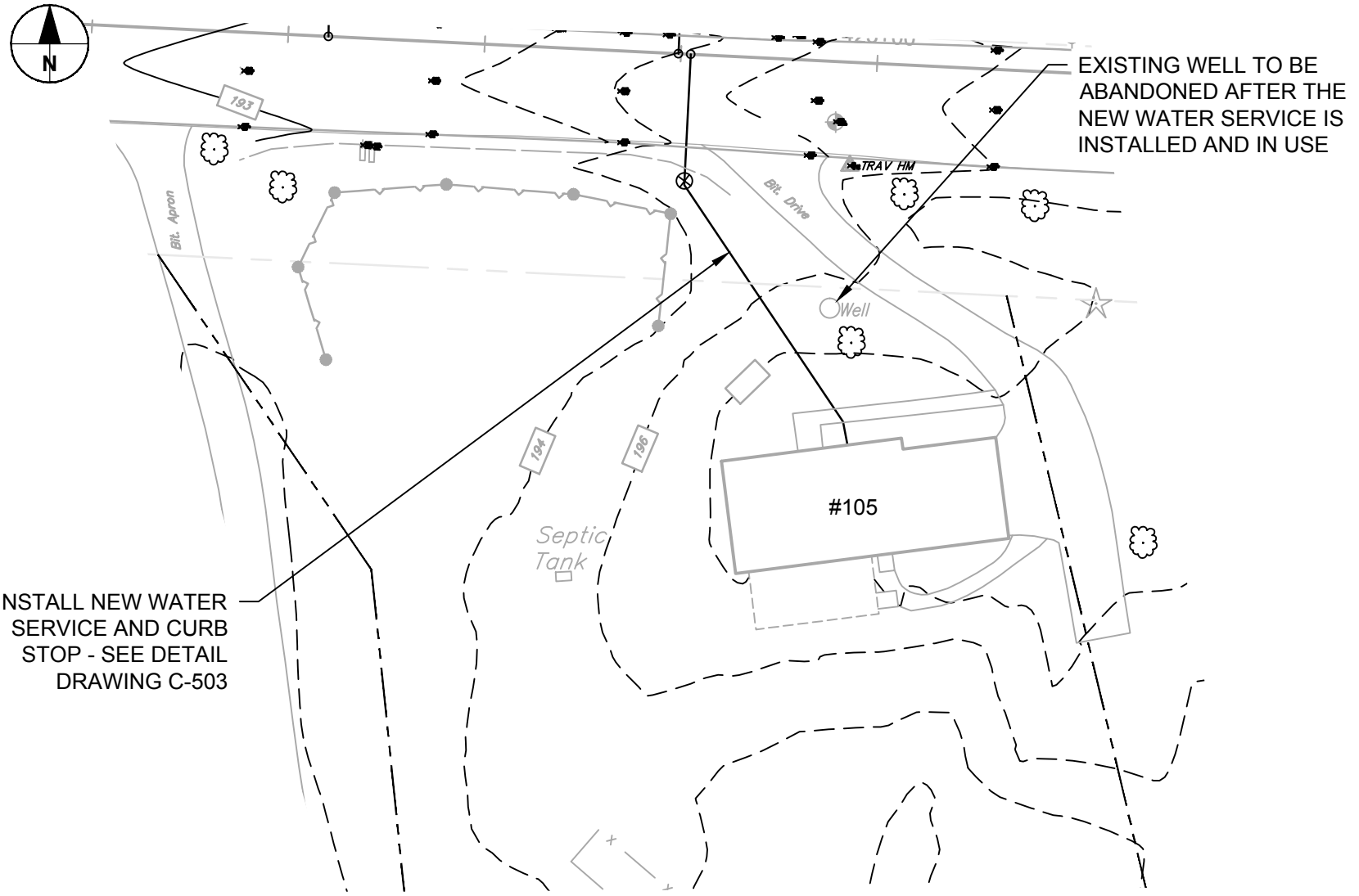
105 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

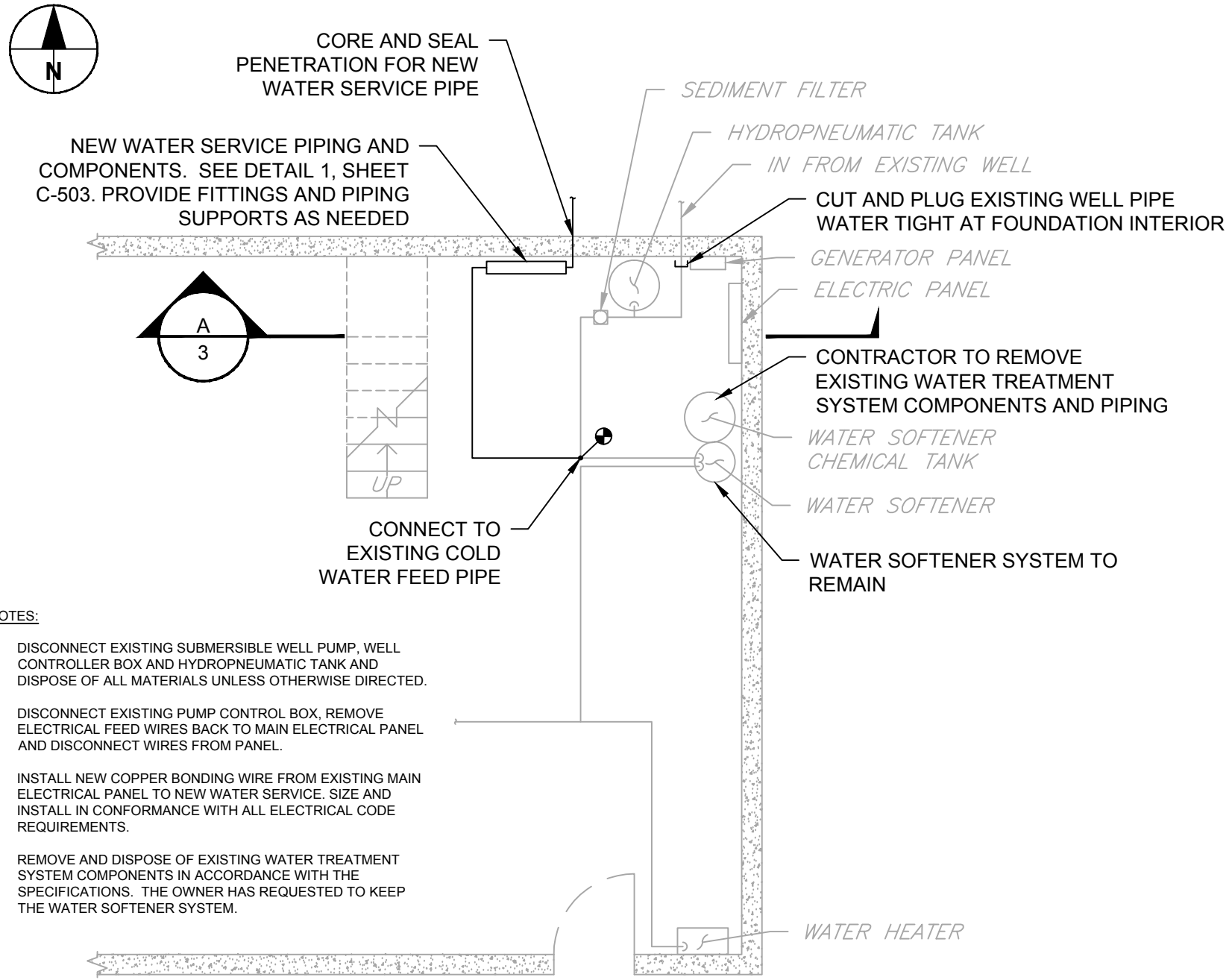
TOWN OF DURHAM
105 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-105MAIDEN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS. THE OWNER HAS REQUESTED TO KEEP THE WATER SOFTENER SYSTEM.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

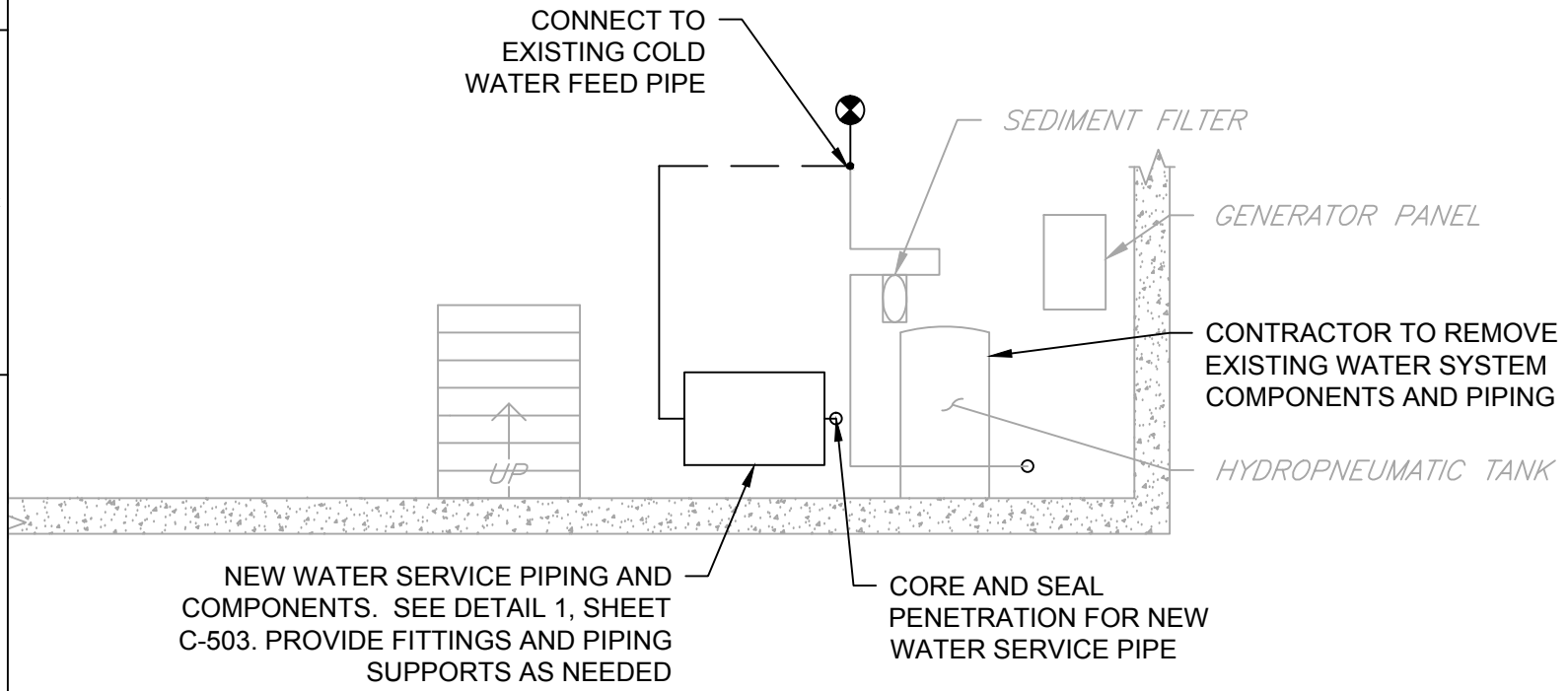
TOWN OF DURHAM
105 MAIDEN LANE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	105 Maiden Lane.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
105 MAIDEN LANE.

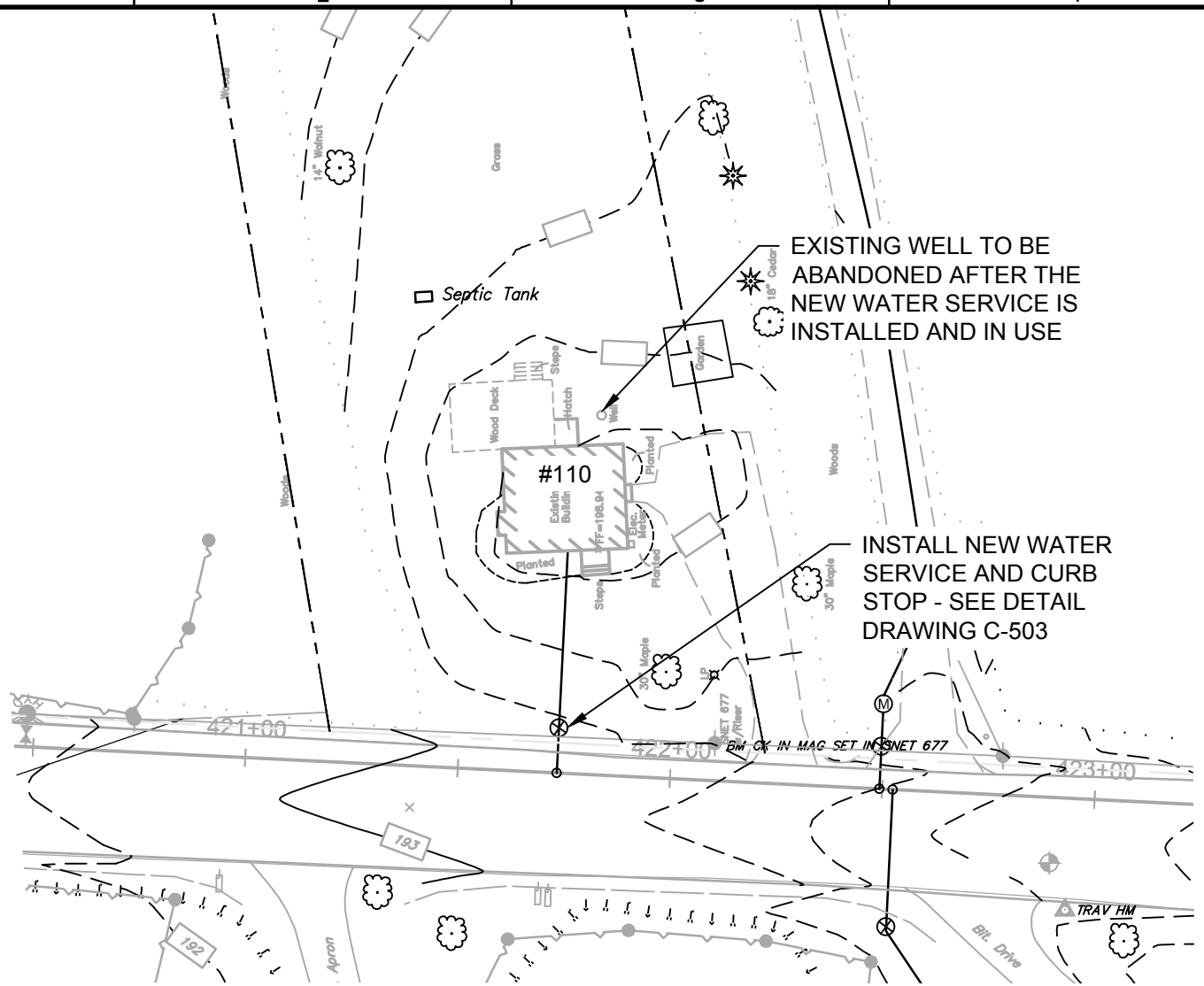
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	105 Maiden Lane.dwg
DESIGNED BY:	NV
DRAWN BY:	NV
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

110 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

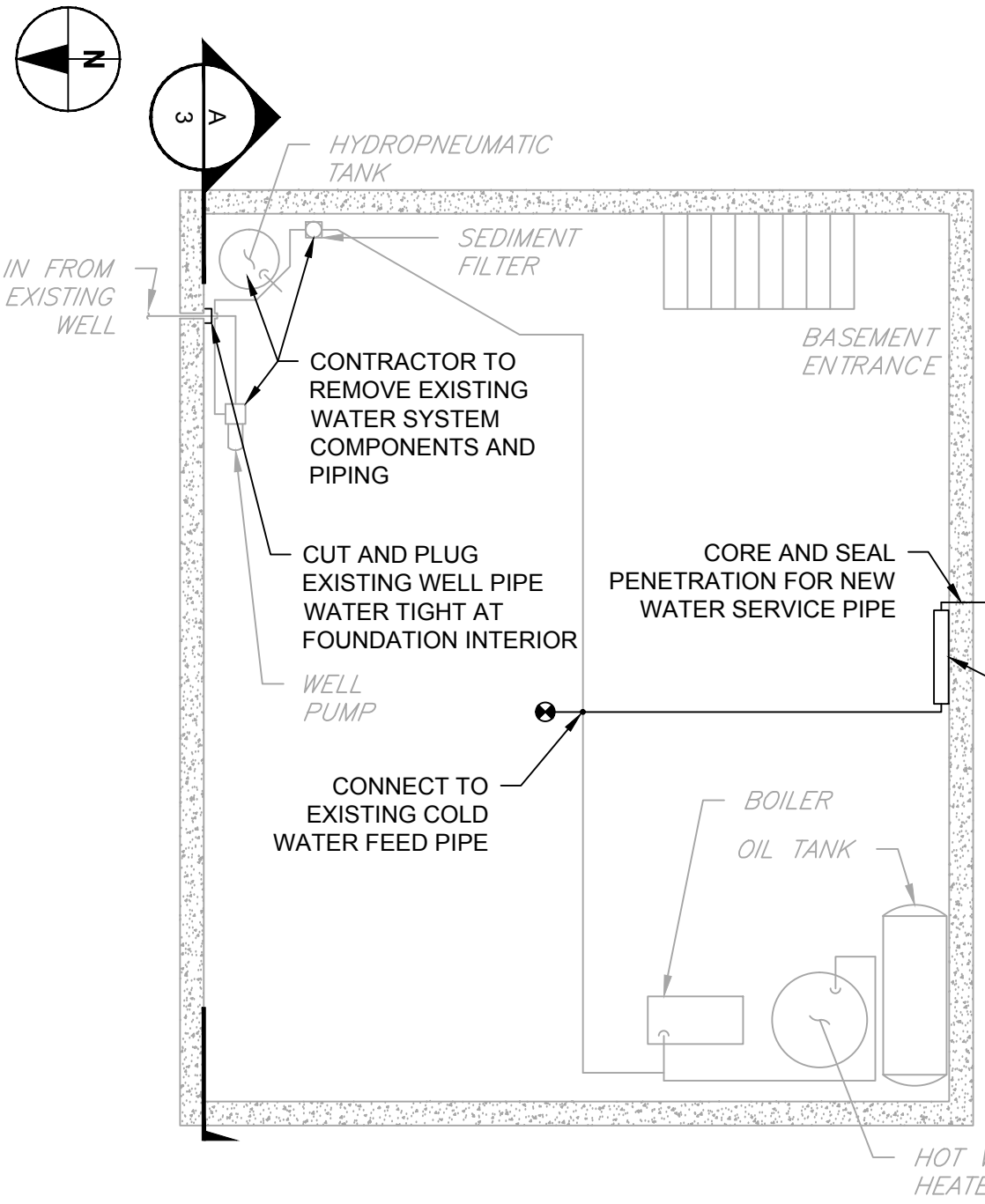
TOWN OF DURHAM
110 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-110MAIDEN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION	REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
110 MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

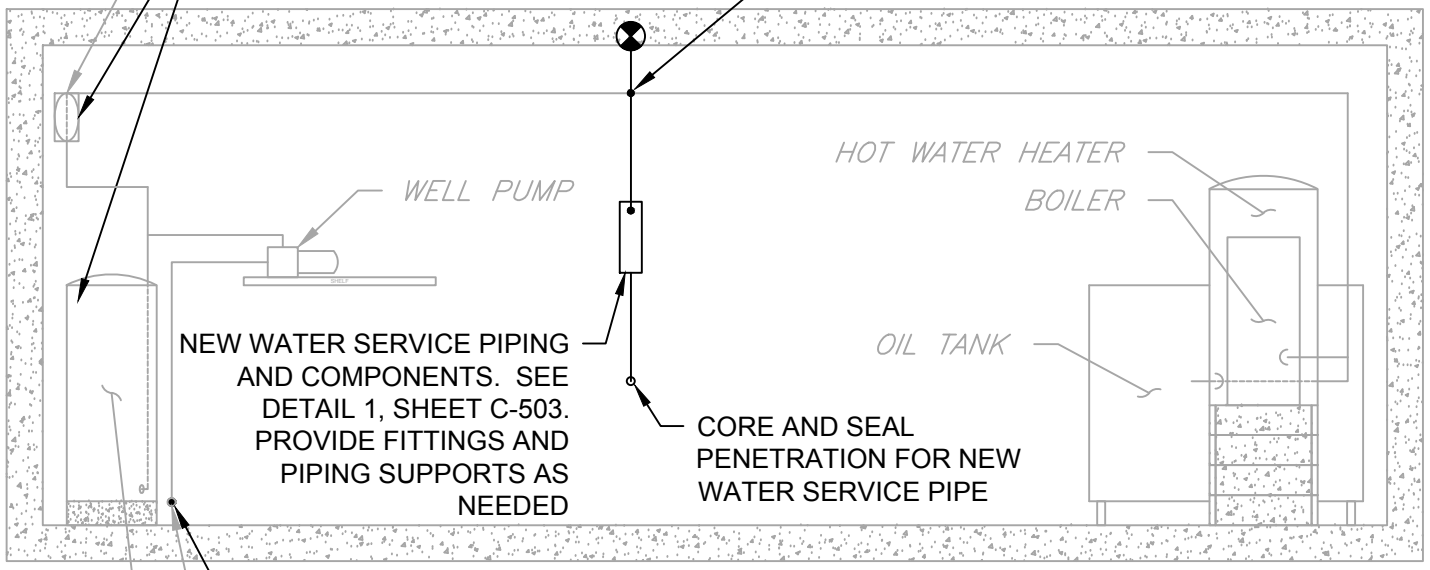
PROJECT NO:	60275749
CAD FILE:	110 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

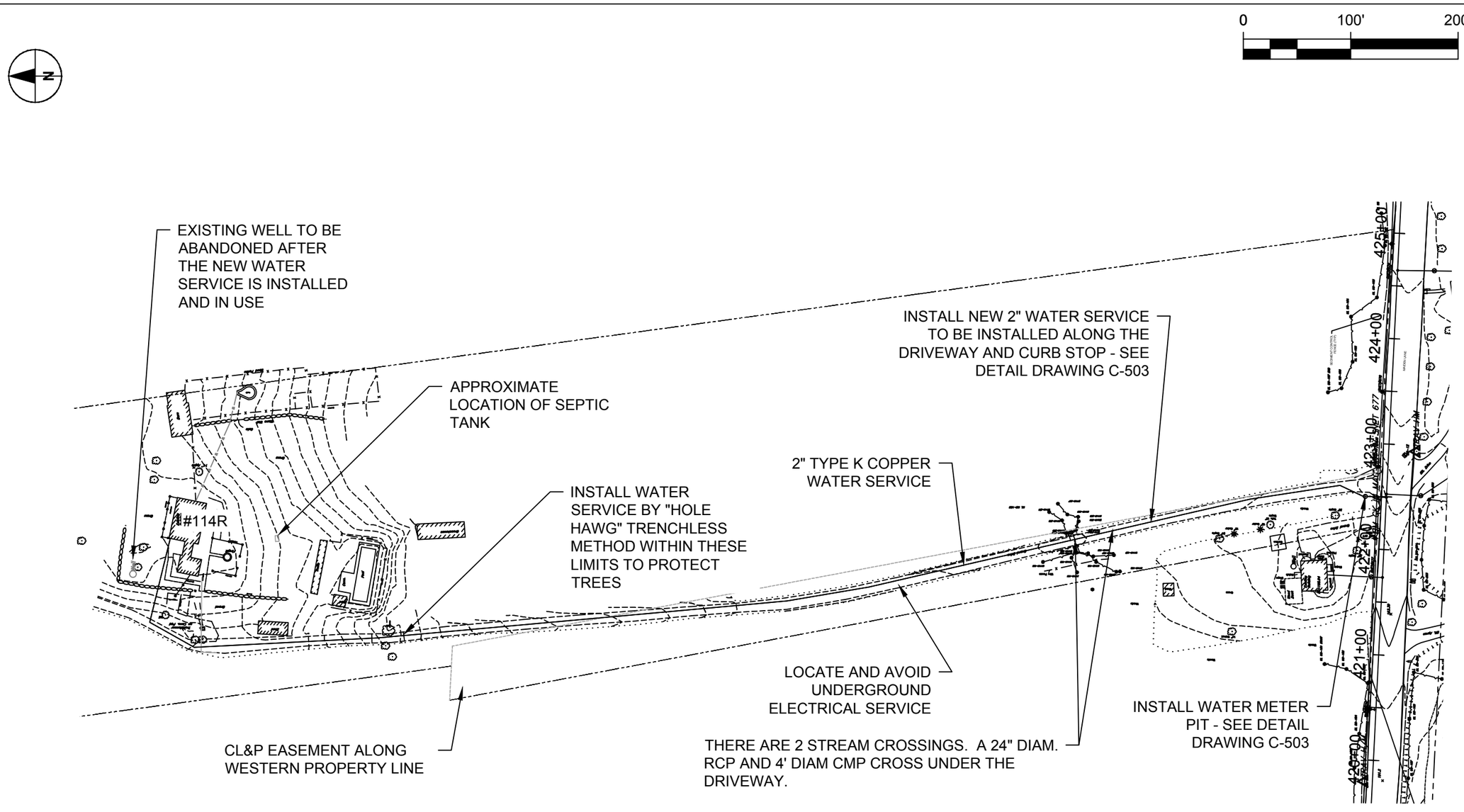
AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
110 MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	110 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

114R Maiden Lane



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. CONTRACTOR TO AVOID UNDERGROUND GAS LINE AND CURTAIN DRAINS AROUND HOUSE; EXISTING UNDERGROUND DOG FENCE IS NOT ACTIVE.
4. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
5. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

AECOM

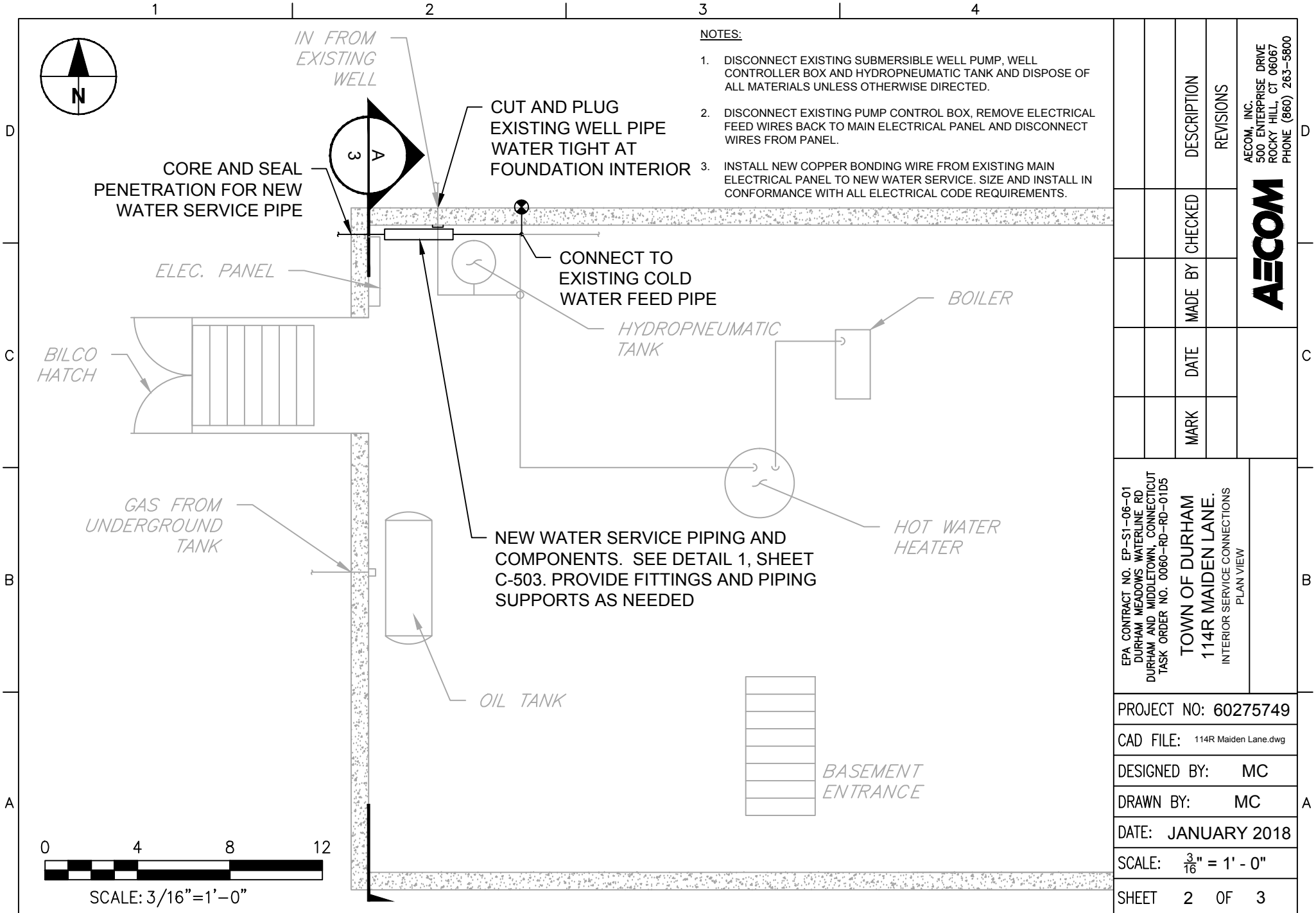
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-0105

TOWN OF DURHAM
114R MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD DWG FILE:	SER-DUR-114RMAIDEN.DWG
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	FEBRUARY, 2018
SCALE:	1" = 100'

SHEET 1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
114R MAIDEN LANE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

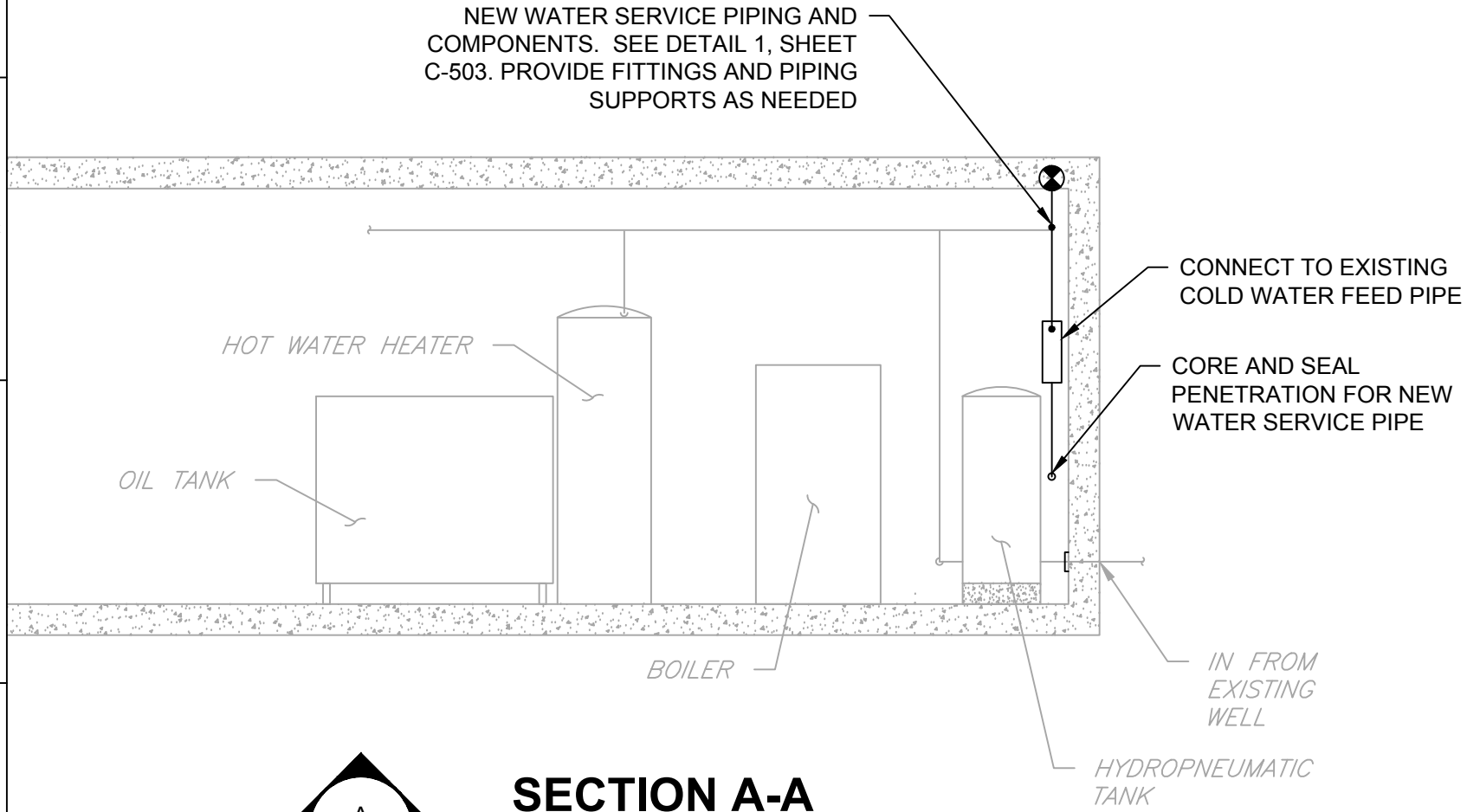
PROJECT NO:	60275749
CAD FILE:	114R Maiden Lane.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW

0 4 8

SCALE: 1/4"=1'-0"



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
114R MAIDEN LANE.

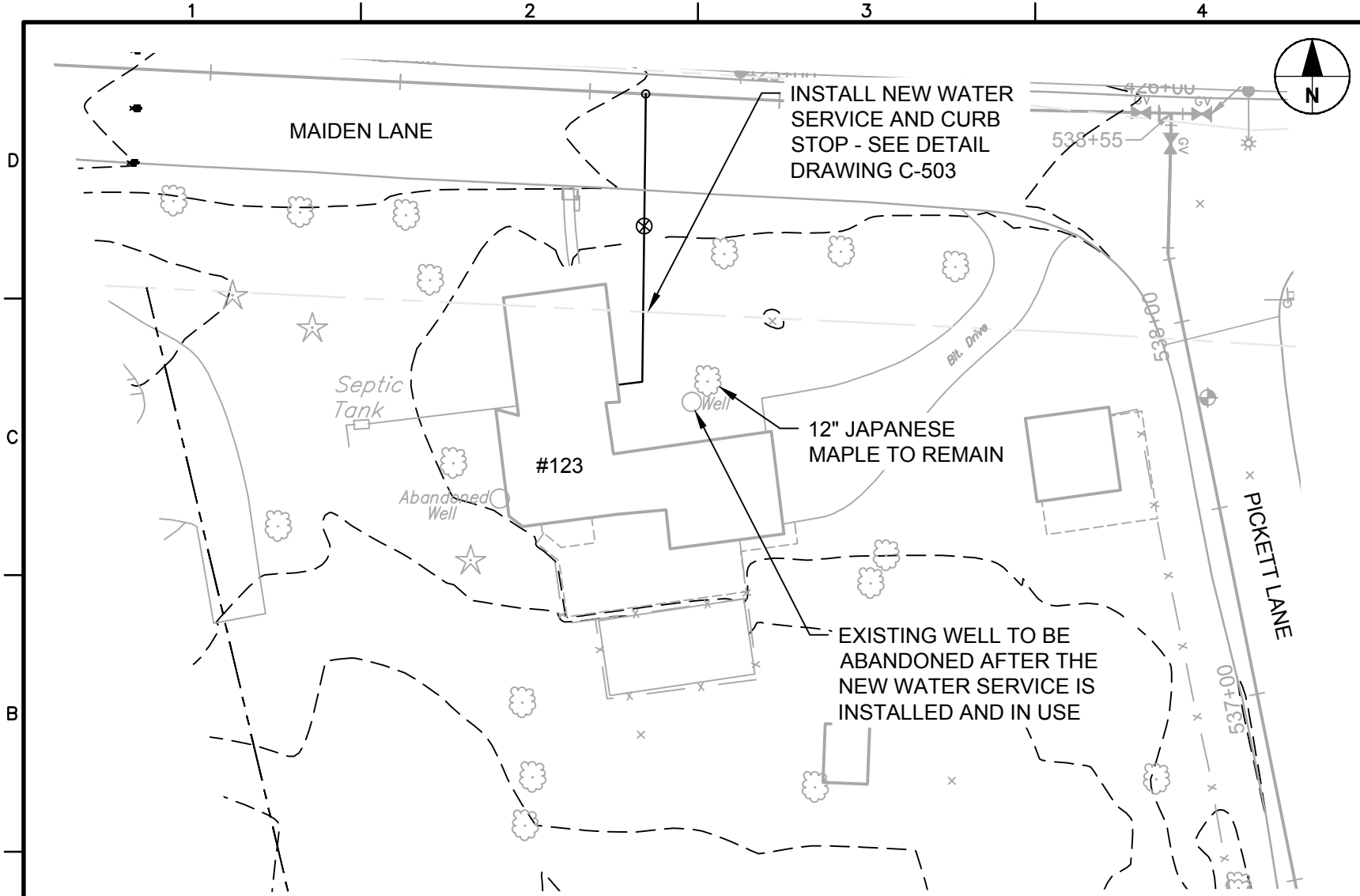
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	114R Maiden Lane.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

123 Maiden Lane

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

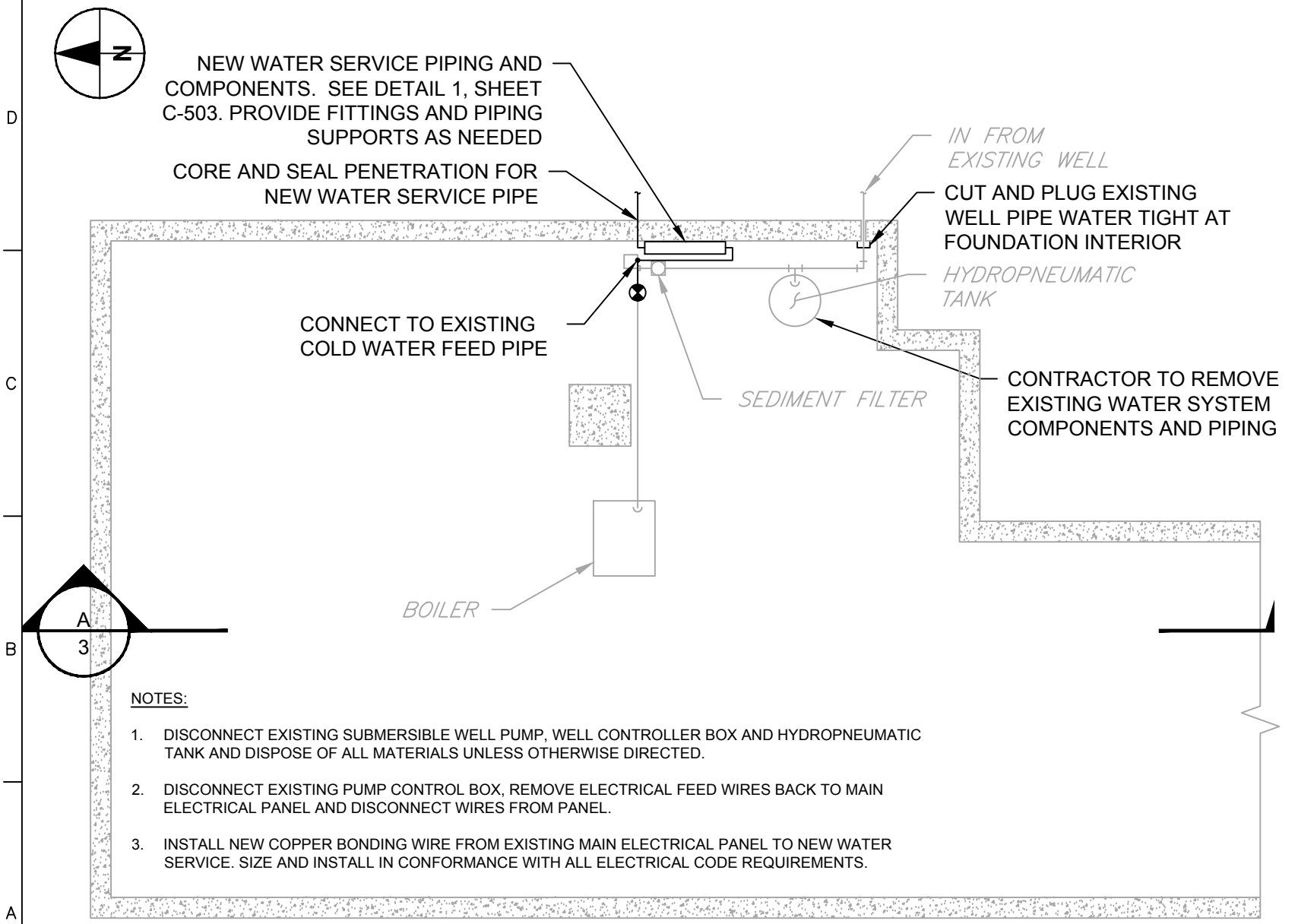
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
123 MAIDEN LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-123MAIDEN.dwg
DESIGNED BY:	MC
DRAWN BY:	MC
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.

0 4 8 12

SCALE: 3/16"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

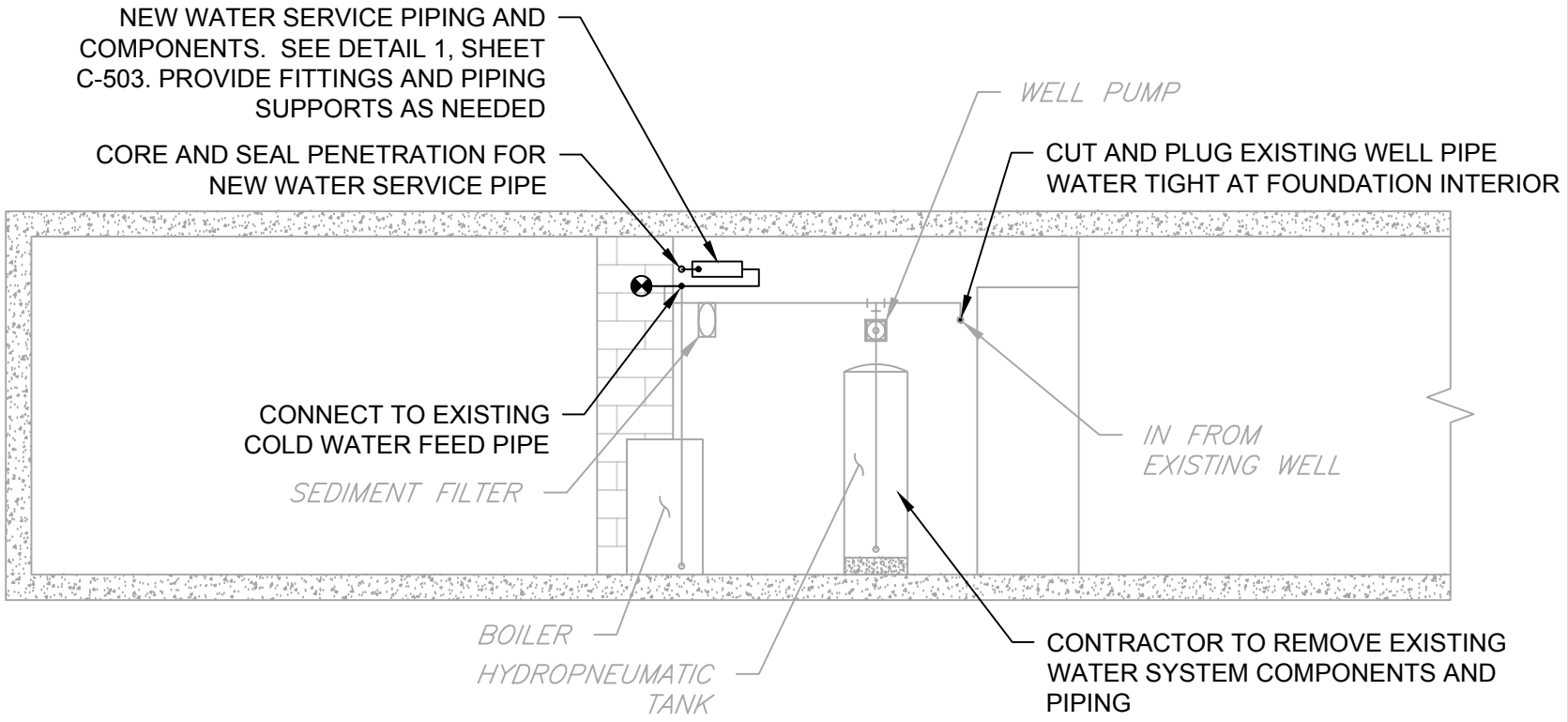
TOWN OF DURHAM
123 MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	123 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

EAST VIEW

SCALE: 3/16"=1'-0"



A/2 SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

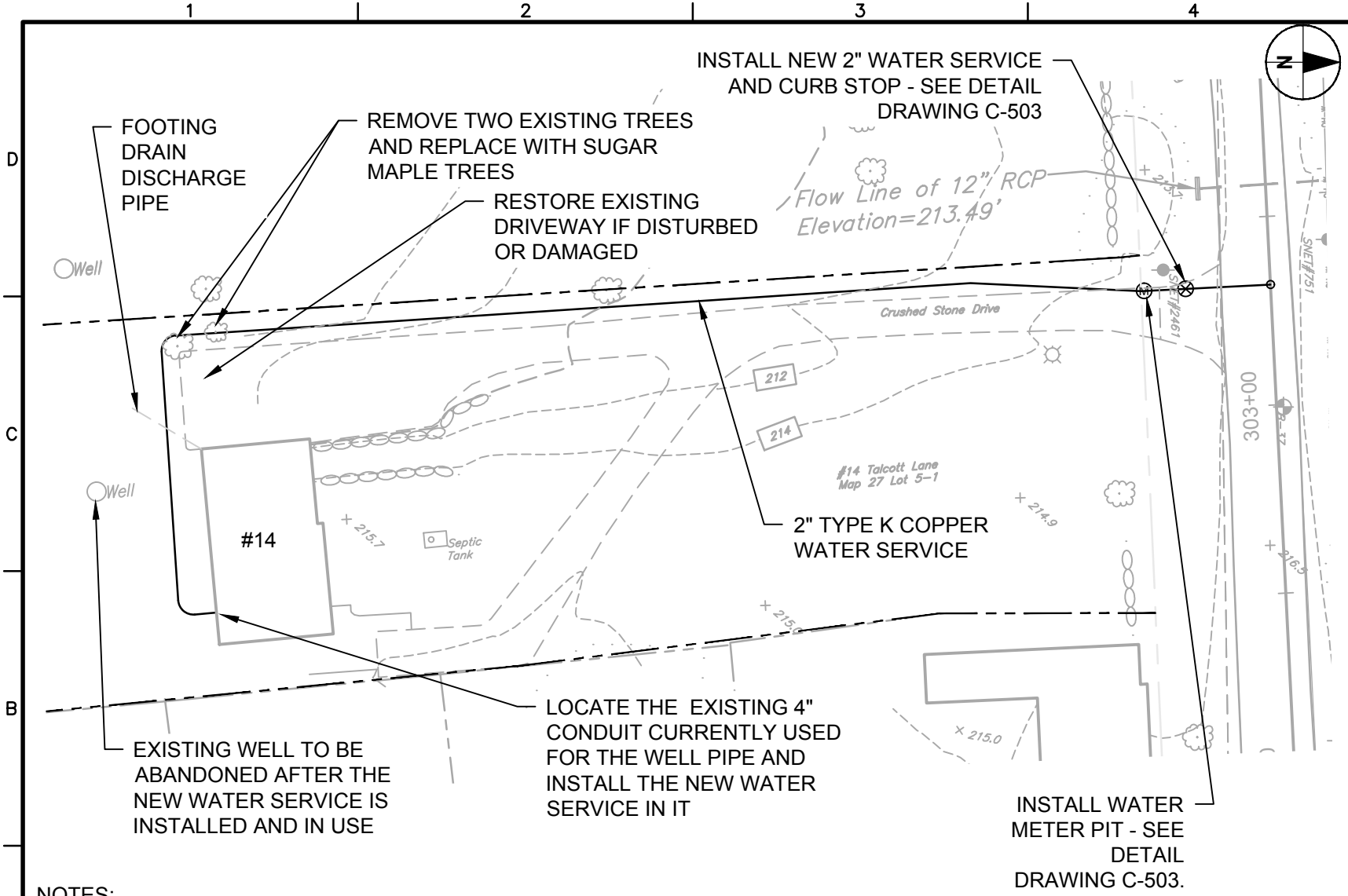
TOWN OF DURHAM
123 MAIDEN LANE.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	123 Maiden Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	3 OF 3

14 Talcott Lane

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO LOCATE AND AVOID THE FOOTING DRAIN AROUND THE PERIMETER OF THE HOUSE.
2. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION INCLUDING TREES.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

REVISIONS	DESCRIPTION	CHECKED	DATE	MADE BY
ADDENDUM NO. 2		DGS	JAN 2017	MCC
REV 1				

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

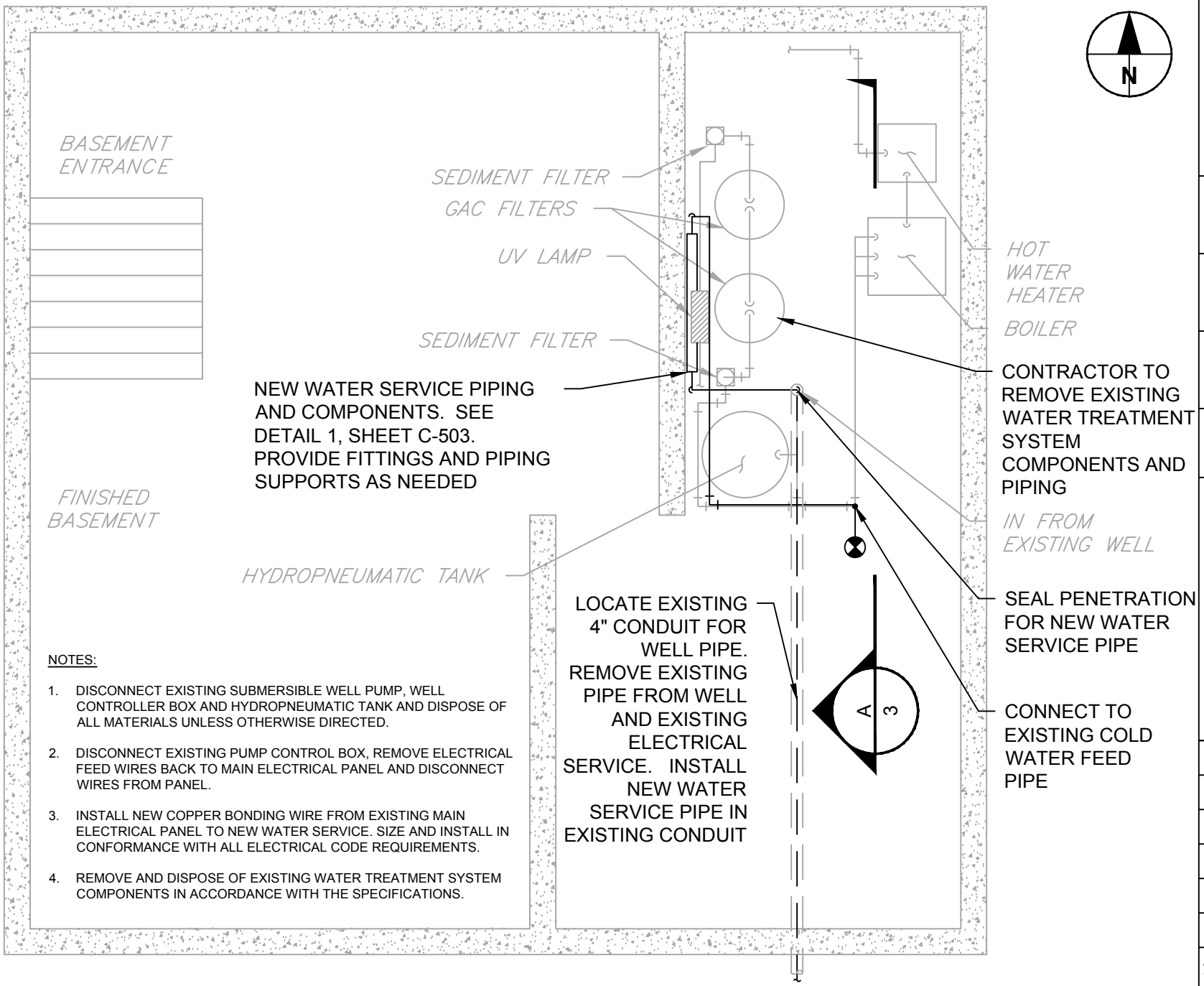
TOWN OF DURHAM
14 TALCOTT LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-14TALC.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

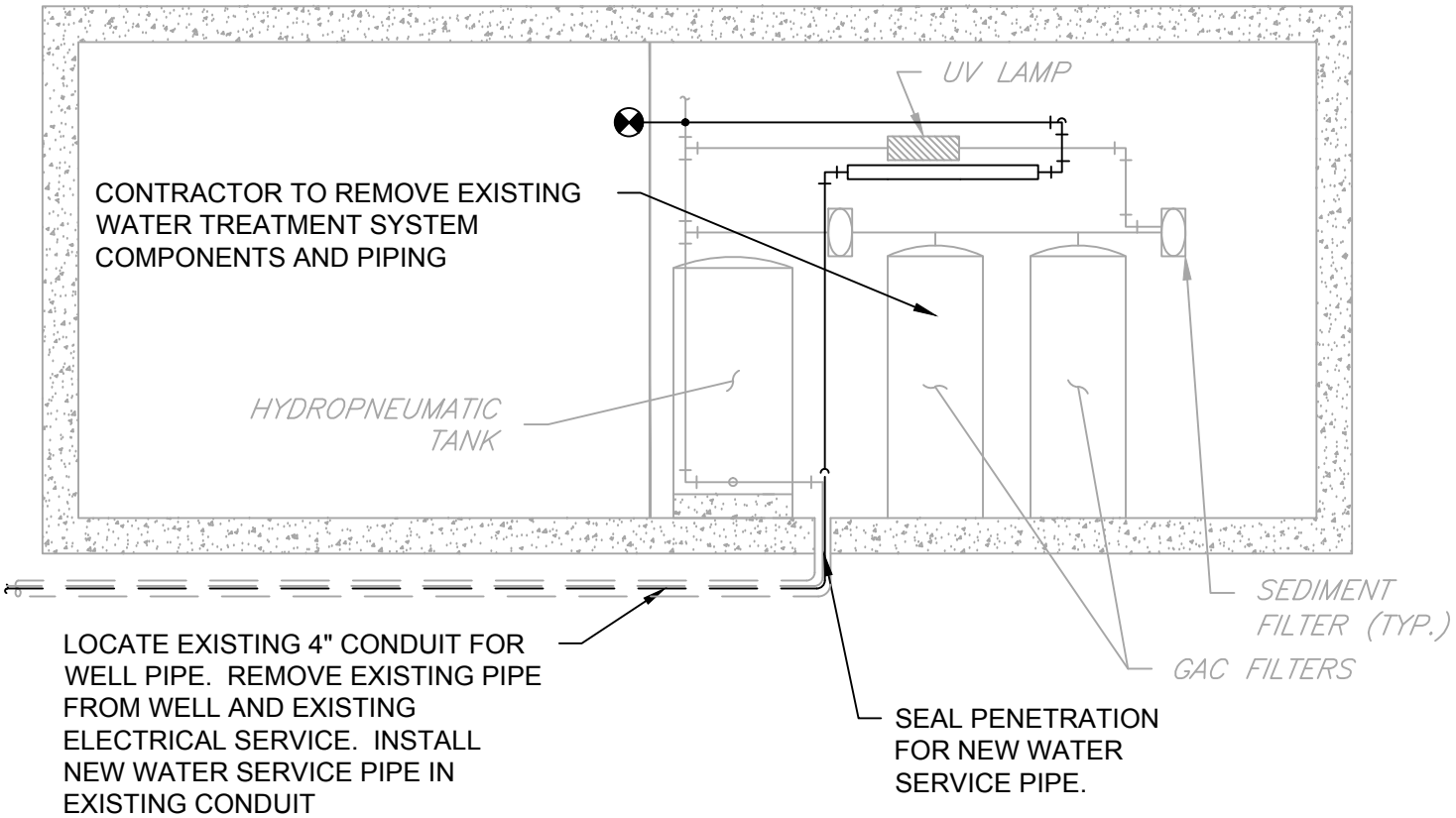
TOWN OF DURHAM
14 TALCOTT LANE.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	14 Talcott Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

WEST VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	JAN 2017	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

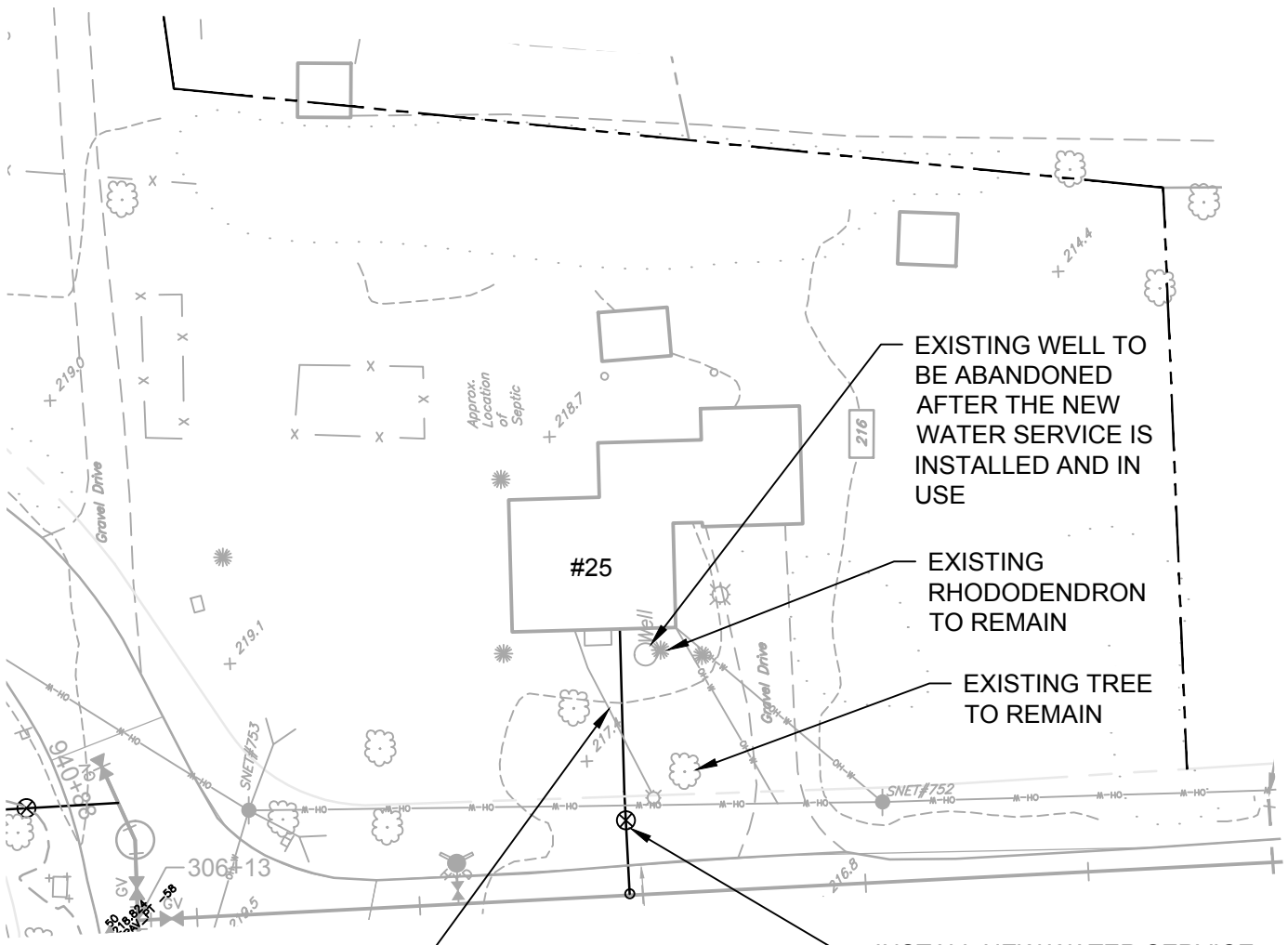
TOWN OF DURHAM
14 TALCOTT LANE.
INTERIOR SERVICE CONNECTIONS
ELEVATION A VIEW

PROJECT NO:	60275749
CAD FILE:	14 Talcott Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

25 Talcott Lane

PLOTTED: 23-Jan-18

0 40' 80'



EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

EXISTING RHODODENDRON TO REMAIN

EXISTING TREE TO REMAIN

NOTE UNDERGROUND ELECTRIC TO LIGHT POST

INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
25 TALCOTT LANE
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-25TALC.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

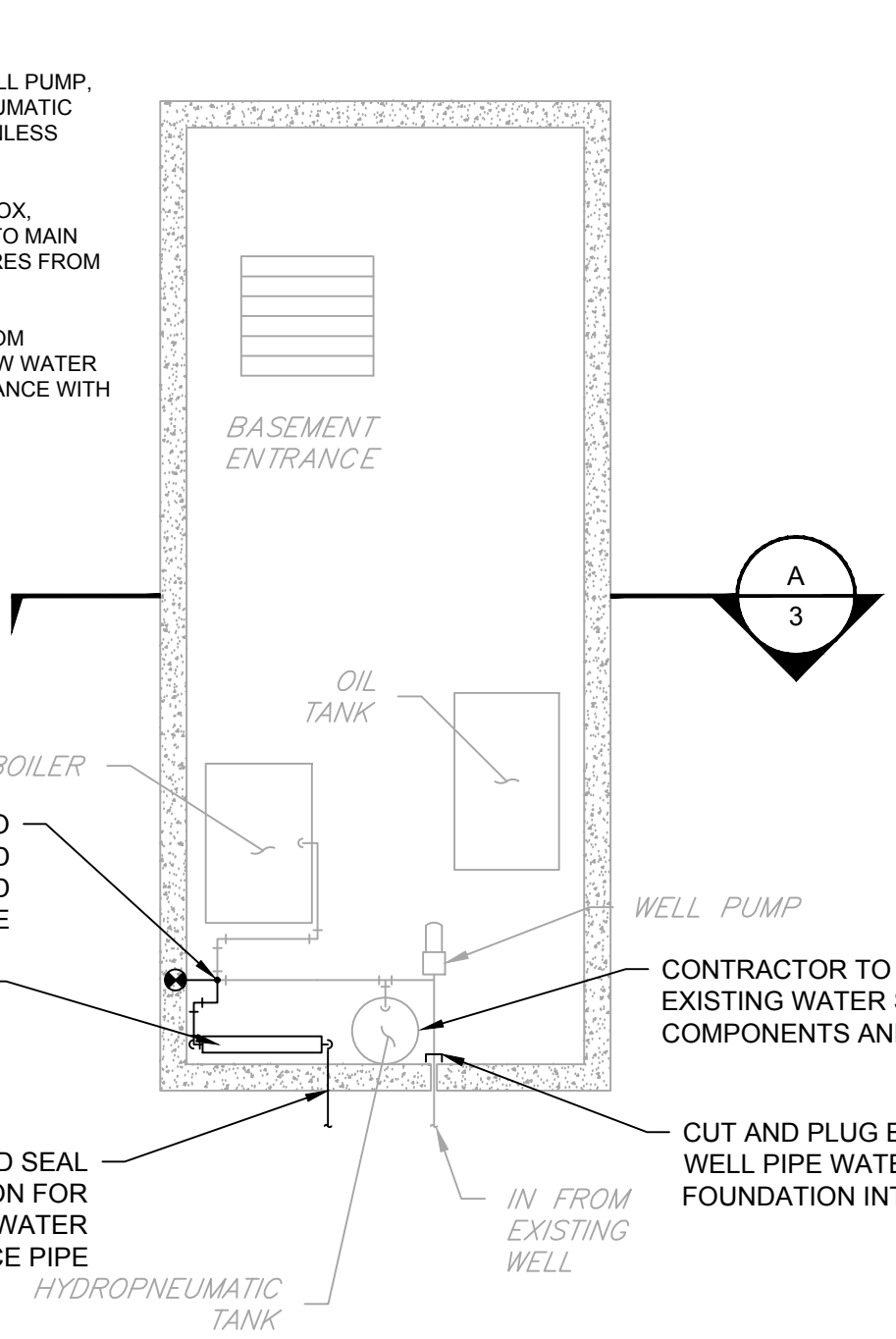
PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
REV 1	DEC 2016	MCC	DGS	ADDENDUM NO. 2

REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

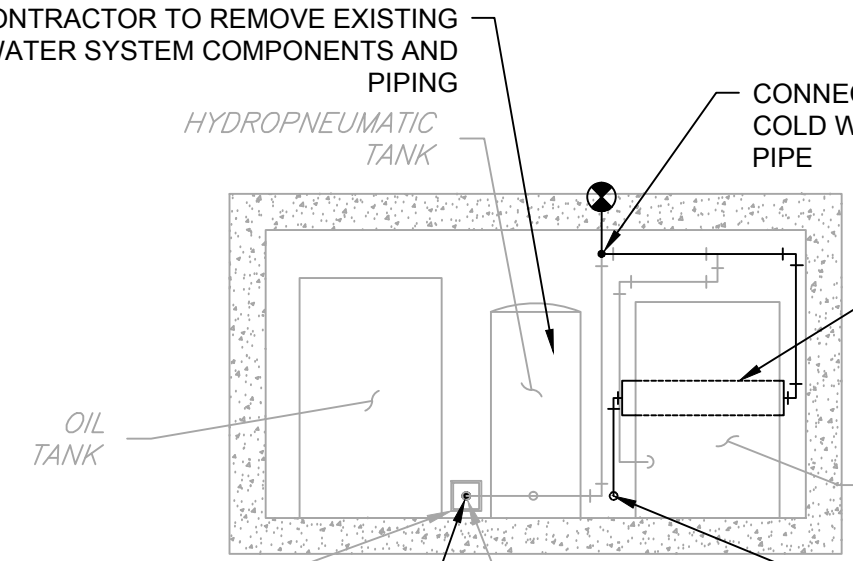
TOWN OF DURHAM
25 TALCOTT LANE

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	25 Talcott Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

SOUTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

REV	DATE	MADE BY	CHECKED	DESCRIPTION
1	MARK			REVISIONS
	DEC 2016	MCC	DGS	ADDENDUM NO. 2

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

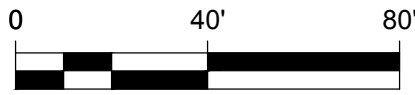
EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

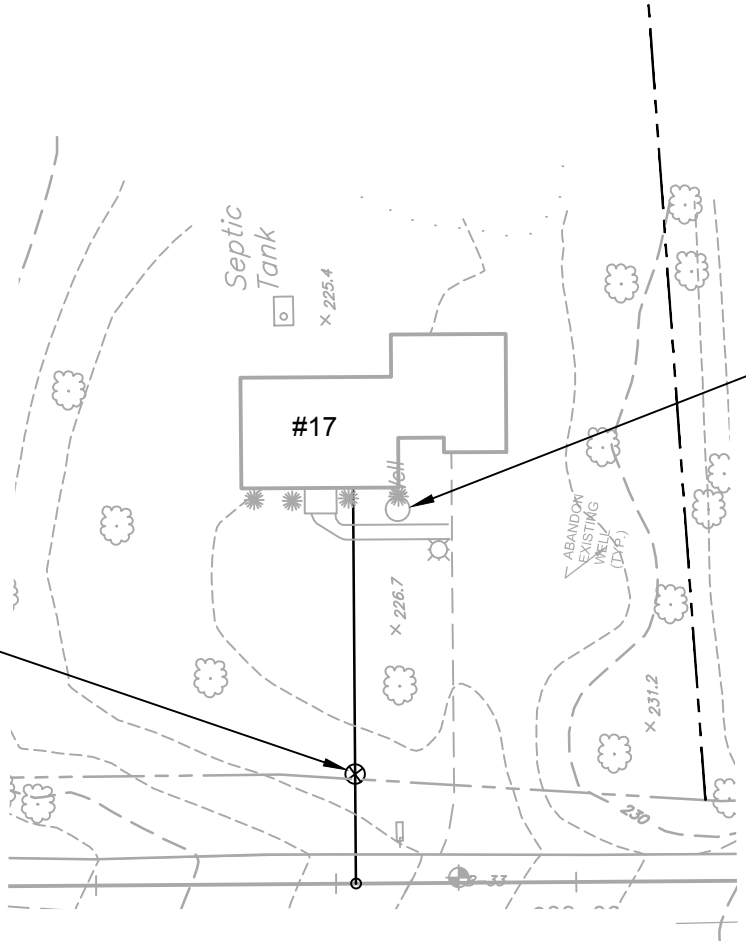
TOWN OF DURHAM
25 TALCOTT LANE
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	25 Talcott Lane.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

17 Wallingford Road

PLOTTED: 23-Jan-18





EXISTING WELL TO BE ABANDONED AFTER THE NEW WATER SERVICE IS INSTALLED AND IN USE

INSTALL NEW WATER SERVICE AND CURB STOP - SEE DETAIL DRAWING C-503

NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

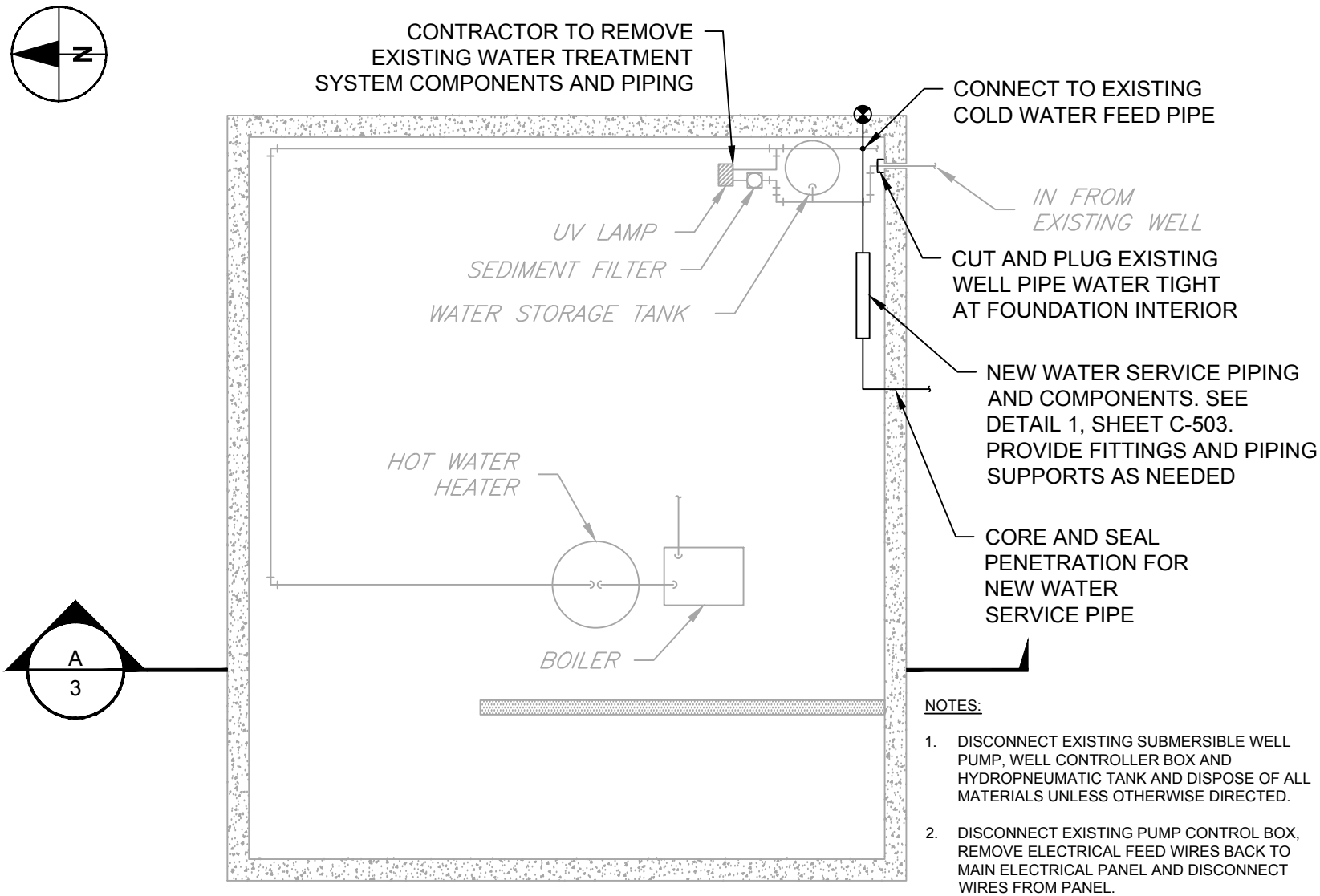
TOWN OF DURHAM
17 WALLINGFORD RD.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-17WALL.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"



NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
4. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
17 WALLINGFORD RD.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	17 Wallingford Rd.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

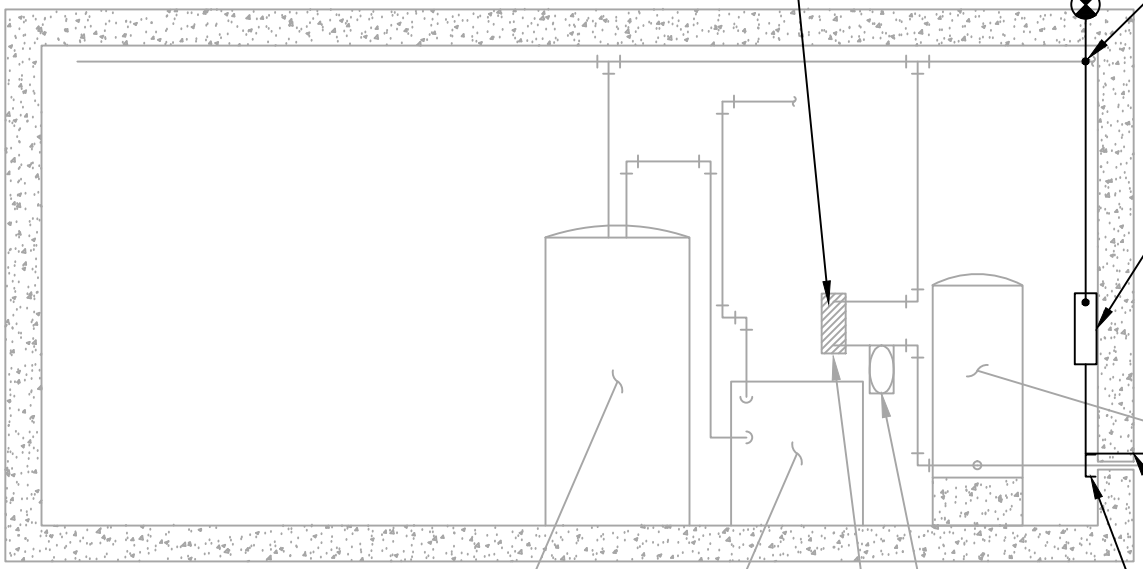
PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

1 2 3 4

EAST VIEW



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
17 WALLINGFORD RD.

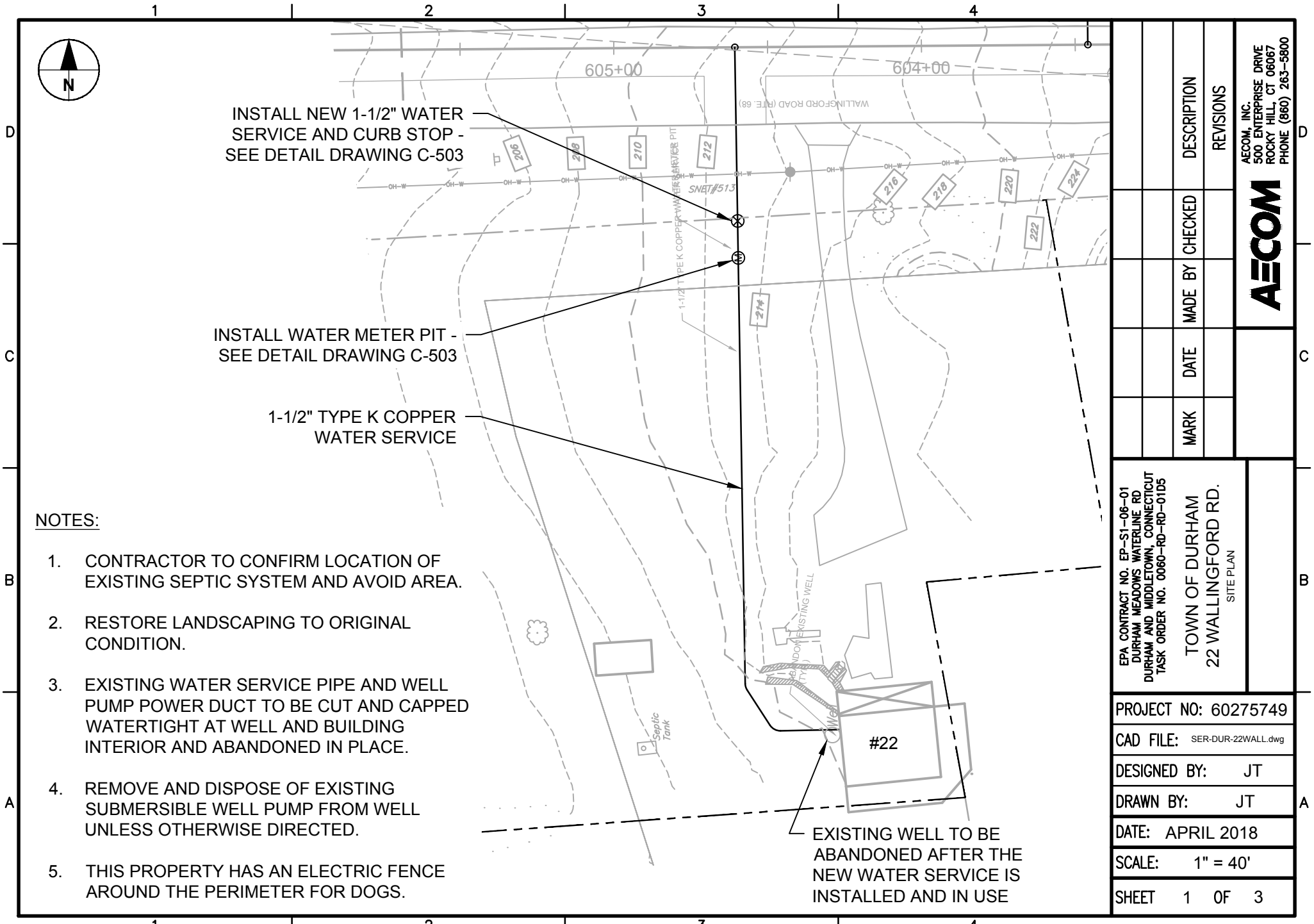
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	17 Wallingford Rd.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

22 Wallingford Road

PLOTTED: 23-Jan-18

0 40' 80'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.
5. THIS PROPERTY HAS AN ELECTRIC FENCE AROUND THE PERIMETER FOR DOGS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800
AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
22 WALLINGFORD RD.

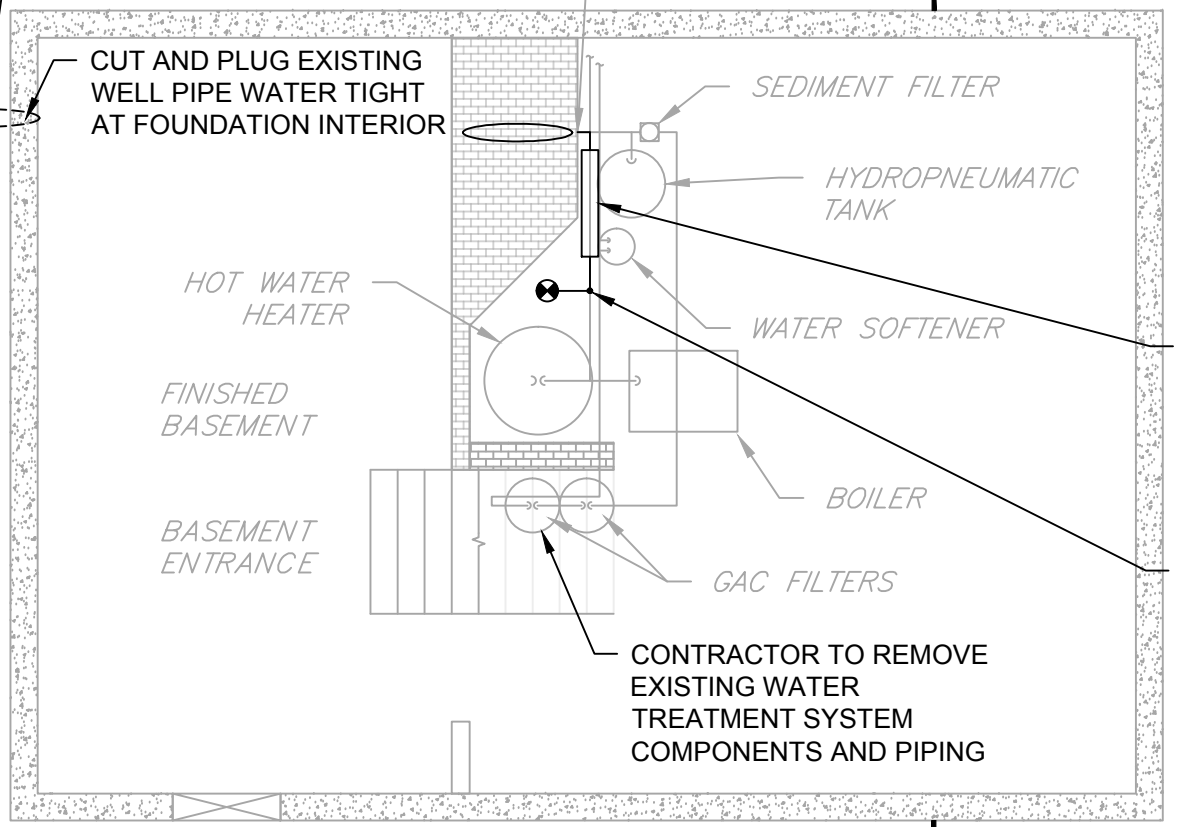
SITE PLAN

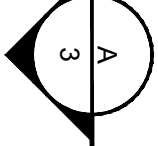
PROJECT NO:	60275749
CAD FILE:	SER-DUR-22WALL.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	APRIL 2018
SCALE:	1" = 40'
SHEET	1 OF 3

PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"





NOTES:

1. WATER CONNECTION ENTERS PROPERTY WHERE SHOWN. LOCATION OF INTERIOR PLUMBING TO THE HYDROPNEUMATIC TANK WAS NOT IDENTIFIED DURING THE WATER SURVEY.
2. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
3. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
4. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.
5. REMOVE AND DISPOSE OF EXISTING WATER TREATMENT SYSTEM COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
22 WALLINGFORD RD.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	22 Wallingford Rd.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	$\frac{3}{16}$" = 1' - 0"
SHEET	2 OF 3

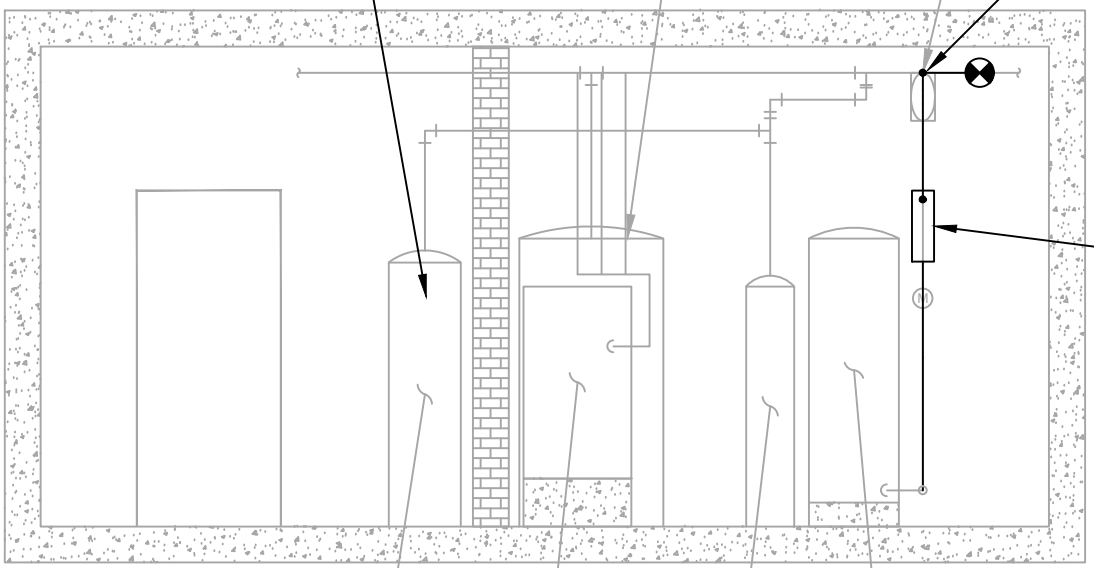
PLOTTED: 23-Jan-18

0 4 8

SCALE: 1/4"=1'-0"

WEST VIEW

CONTRACTOR TO REMOVE EXISTING WATER TREATMENT SYSTEM COMPONENTS AND PIPING



A
2

SECTION A-A

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

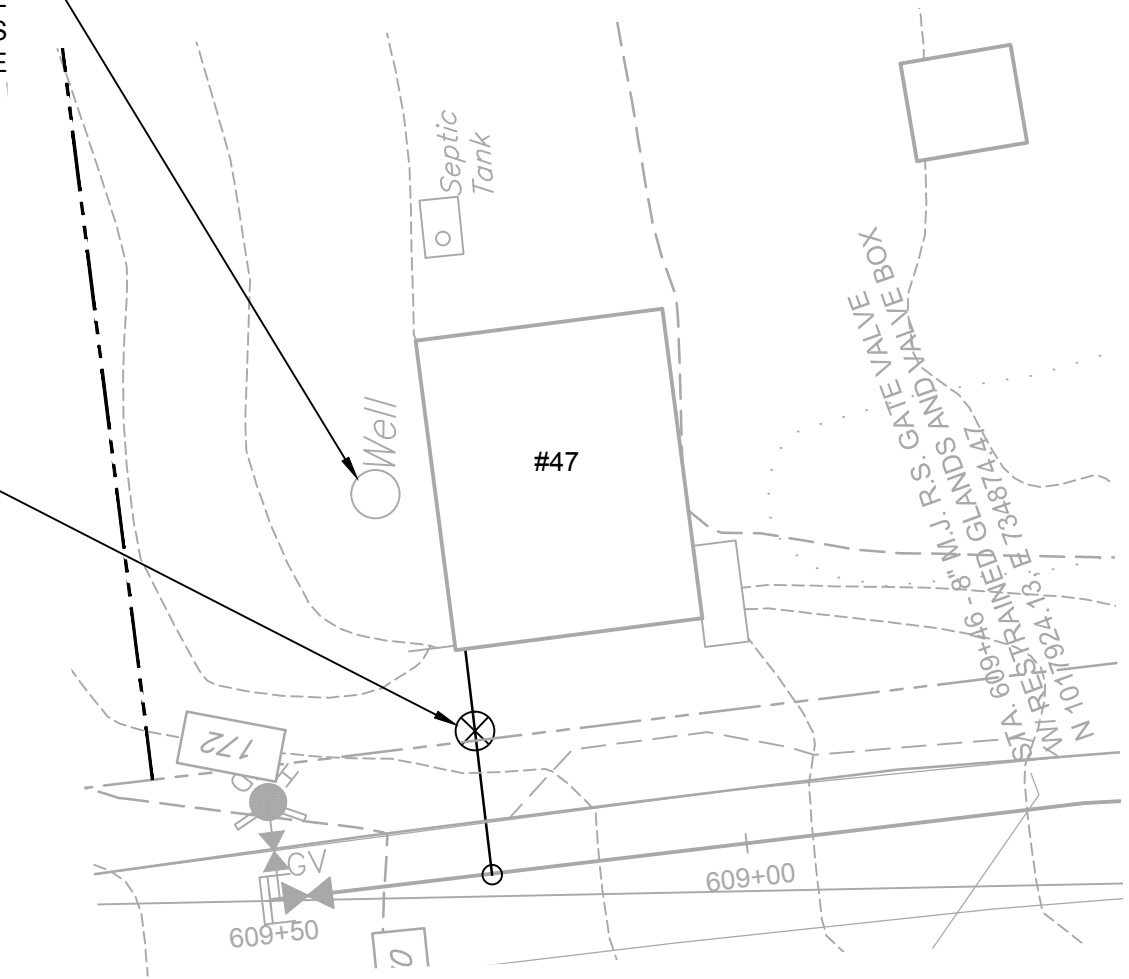
TOWN OF DURHAM
22 WALLINGFORD RD.
INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	22 Wallingford Rd.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

47 Wallingford Road

PLOTTED: 23-Jan-18

0 20' 40'



NOTES:

1. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SEPTIC SYSTEM AND AVOID AREA.
2. RESTORE LANDSCAPING TO ORIGINAL CONDITION.
3. EXISTING WATER SERVICE PIPE AND WELL PUMP POWER DUCT TO BE CUT AND CAPPED WATERTIGHT AT WELL AND BUILDING INTERIOR AND ABANDONED IN PLACE.
4. REMOVE AND DISPOSE OF EXISTING SUBMERSIBLE WELL PUMP FROM WELL UNLESS OTHERWISE DIRECTED.

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

AECOM

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
47 WALLINGFORD RD.
SITE PLAN

PROJECT NO:	60275749
CAD FILE:	SER-DUR-47WALL.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1" = 20'
SHEET	1 OF 3

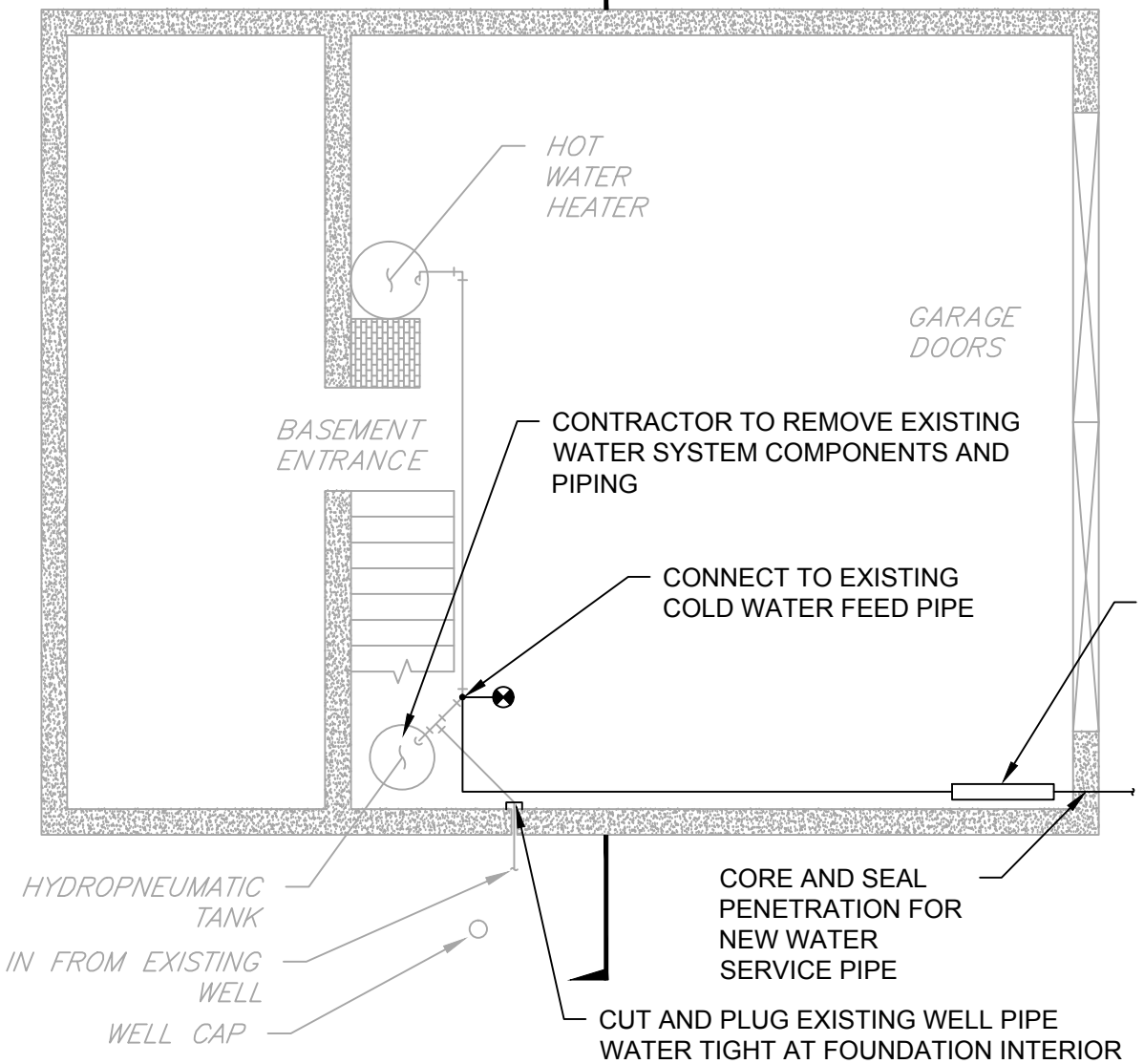
PLOTTED: 23-Jan-18

0 4 8 12

SCALE: 3/16"=1'-0"

NOTES:

1. DISCONNECT EXISTING SUBMERSIBLE WELL PUMP, WELL CONTROLLER BOX AND HYDROPNEUMATIC TANK AND DISPOSE OF ALL MATERIALS UNLESS OTHERWISE DIRECTED.
2. DISCONNECT EXISTING PUMP CONTROL BOX, REMOVE ELECTRICAL FEED WIRES BACK TO MAIN ELECTRICAL PANEL AND DISCONNECT WIRES FROM PANEL.
3. INSTALL NEW COPPER BONDING WIRE FROM EXISTING MAIN ELECTRICAL PANEL TO NEW WATER SERVICE. SIZE AND INSTALL IN CONFORMANCE WITH ALL ELECTRICAL CODE REQUIREMENTS.



MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

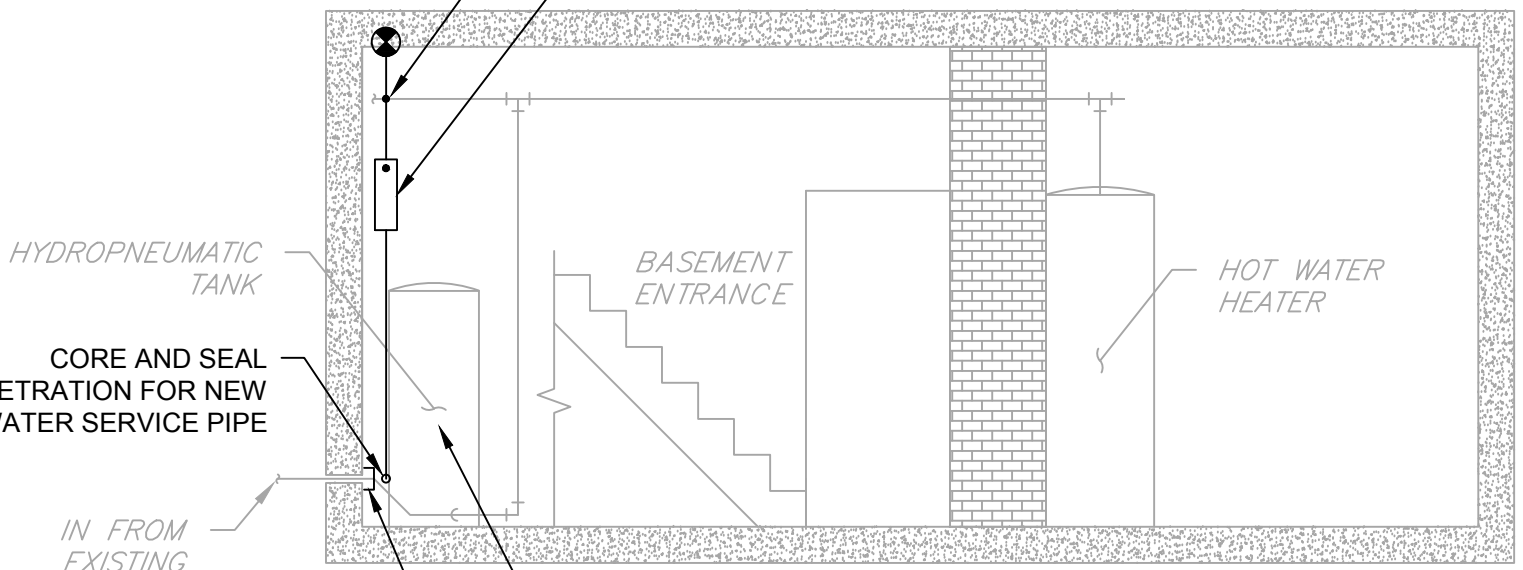
TOWN OF DURHAM
47 WALLINGFORD RD.

INTERIOR SERVICE CONNECTIONS
PLAN VIEW

PROJECT NO:	60275749
CAD FILE:	47 Wallingford Rd.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	3/16" = 1' - 0"
SHEET	2 OF 3

PLOTTED: 23-Jan-18

NORTH VIEW



A
2

SECTION A-A

0 4 8

SCALE: 1/4"=1'-0"

MARK	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

AECOM, INC.
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
PHONE (860) 263-5800

EPA CONTRACT NO. EP-S1-06-01
DURHAM MEADOWS WATERLINE RD
DURHAM AND MIDDLETOWN, CONNECTICUT
TASK ORDER NO. 0060-RD-RD-01D5

TOWN OF DURHAM
47 WALLINGFORD RD..

INTERIOR SERVICE CONNECTIONS
ELEVATION VIEW

PROJECT NO:	60275749
CAD FILE:	47 Wallingford Rd.dwg
DESIGNED BY:	JT
DRAWN BY:	JT
DATE:	JANUARY 2018
SCALE:	1/4" = 1' - 0"
SHEET	3 OF 3

APPENDIX C

State Department of Labor Wage Rates (To be issued by Addendum)

APPENDIX D

Historic Site Data

Historical Sample Results
Durham Meadows Superfund Site; Durham Manufacturing
Samples in Vicinity of Proposed New Waterline

ANALYSIS	Site ID / Sample ID / Sample Date / Units	R1C26 R1C26(1-2) 02/22/10	R1C26 R1C26(4-5) 02/22/10	R1C26A R1C26A (4-5) 04/03/13 ug/Kg	R5C1 R5C1 (5-7) 02/11/08 ug/Kg	R5C15 R5C15(4-5) 02/25/08 ug/Kg	R5C30 R5C30(3-4) 03/06/08
Volatiles	1,1,1,2-Tetrachloroethane			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,1,1-Trichloroethane			1.1 U	9.4 U	5.1 U	
Volatiles	1,1,2,2-Tetrachloroethane			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,1,2-Trichloro-1,2,2-trifluoroethane			1.1 U	9.4 U	5.1 U	
Volatiles	1,1,2-Trichloroethane			1.1 U	9.4 U	5.1 U	
Volatiles	1,1-Dichloroethane			1.1 U	9.4 U	5.1 U	
Volatiles	1,1-Dichloroethene			1.1 U	9.4 U	5.1 U	
Volatiles	1,1-Dichloropropene			1.1 U	47 U	25 U	
Volatiles	1,2,3-Trichlorobenzene			1.1 U	9.4 UJ	5.1 UJ	
Volatiles	1,2,3-Trichloropropane			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,2,4-Trichlorobenzene			1.1 U	9.4 UJ	5.1 UJ	
Volatiles	1,2,4-Trimethylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,2-Dibromo-3-Chloropropane			1.1 U	19 UJ	10 UJ	
Volatiles	1,2-Dibromoethane			1.1 U	9.4 U	5.1 U	
Volatiles	1,2-Dichlorobenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,2-Dichloroethane			1.1 U	9.4 U	5.1 U	
Volatiles	1,2-Dichloropropane			1.1 U	9.4 U	5.1 U	
Volatiles	1,3,5-Trimethylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,3-Dichlorobenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,3-Dichloropropane			1.1 U	9.4 U	5.1 U	
Volatiles	1,4-Dichlorobenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	1,4-Dioxane			54 UJ	750 UJ	400 UJ	
Volatiles	2,2-Dichloropropane			1.1 U	9.4 U	5.1 U	
Volatiles	2-Butanone (MEK)			11 UJ	19 UJ	10 UJ	
Volatiles	2-Chlorotoluene			1.1 U	9.4 U	5.1 UJ	
Volatiles	2-Hexanone			11 U	19 U	10 U	
Volatiles	4-Chlorotoluene			1.1 U	9.4 U	5.1 UJ	
Volatiles	4-Isopropyltoluene			1.1 U	9.4 U	5.1 UJ	
Volatiles	4-Methyl-2-pentanone (MIBK)			11 U	9.4 U	5.1 U	
Volatiles	Acetone			11 U	38 UJ	20 UJ	
Volatiles	Acetonitrile				94 U	51 U	
Volatiles	Acrolein				38 U	20 U	
Volatiles	Acrylonitrile			54 U	9.4 U	5.1 U	
Volatiles	Benzene			1.1 U	9.4 U	5.1 U	
Volatiles	Bromobenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	Bromodichloromethane			1.1 U	9.4 U	5.1 U	
Volatiles	Bromoform			1.1 U	9.4 U	5.1 U	
Volatiles	Bromomethane			1.1 U	9.4 U	5.1 U	
Volatiles	Carbon disulfide			1.1 U	9.4 U	5.1 U	
Volatiles	Carbon tetrachloride			1.1 U	9.4 U	5.1 U	
Volatiles	Chlorobenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	Chloroethane			1.1 U	9.4 UJ	5.1 UJ	
Volatiles	Chloroform			1.1 U	9.4 U	5.1 U	
Volatiles	Chloromethane			1.1 U	9.4 U	5.1 U	
Volatiles	cis-1,2-Dichloroethene			1.1 U	9.4 U	5.1 U	
Volatiles	cis-1,3-Dichloropropene			1.1 U	9.4 U	5.1 U	
Volatiles	Dibromochloromethane			1.1 U	9.4 U	5.1 UJ	
Volatiles	Dibromomethane			1.1 U	9.4 U	5.1 U	
Volatiles	Dichlorodifluoromethane			1.1 U	9.4 UJ	5.1 UJ	
Volatiles	Ethylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	Hexachlorobutadiene			1.1 U	9.4 U	5.1 UJ	
Volatiles	Isopropylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	m&p-Xylene			2.2 U	9.4 U	5.1 U	
Volatiles	Methyl tert-butyl ether			1.1 U	9.4 U	5.1 U	
Volatiles	Methylene Chloride			1.1 U	38 U	20 U	
Volatiles	Naphthalene			1.1 U	9.4 UJ	5.1 UJ	
Volatiles	n-Butylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	N-Propylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	o-Xylene			1.1 U	9.4 U	5.1 U	
Volatiles	sec-Butylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	Styrene			1.1 U	9.4 U	5.1 U	
Volatiles	tert-Butylbenzene			1.1 U	9.4 U	5.1 UJ	
Volatiles	Tetrachloroethene			1.1 U	**9.5**	**8.4** J	
Volatiles	Tetrahydrofuran			1.1 U	38 U	20 U	
Volatiles	Toluene			1.1 U	9.4 U	5.1 UJ	
Volatiles	trans-1,2-Dichloroethene			1.1 U	9.4 U	5.1 U	
Volatiles	trans-1,3-Dichloropropene			1.1 U	9.4 U	5.1 U	
Volatiles	trans-1,4-Dichloro-2-butene			1.1 U	19 U	10 U	
Volatiles	Trichloroethene			1.1 U	**2.5** J	**4.1** J	
Volatiles	Trichlorofluoromethane			1.1 U	9.4 U	5.1 U	
Volatiles	Vinyl chloride			1.1 U	9.4 U	5.1 U	
Volatiles	Xylenes, Total			3.2 U	9.4 U	5.1 U	
Volatiles	Total Chlorinated VOCs			0 C	**12** C	**12.5** C	
Volatiles	Total VOCs			0 C	**12** C	**12.5** C	

Historical Sample Results
Durham Meadows Superfund Site; Durham Manufacturing
Samples in Vicinity of Proposed New Waterline

ANALYSIS	Site ID / Sample ID / Sample Date / Units	R1C26 R1C26(1-2) 02/22/10 ug/L	R1C26 R1C26(4-5) 02/22/10 ug/L	R1C26A R1C26A (4-5) 04/03/13	R5C1 R5C1 (5-7) 02/11/08 ug/L	R5C15 R5C15(4-5) 02/25/08 ug/L	R5C30 R5C30(3-4) 03/06/08 ug/L
SPLP Volatiles	1,1,1,2-Tetrachloroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1,1-Trichloroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1,2,2-Tetrachloroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1,2-Trichloro-1,2,2-trifluoroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1,2-Trichloroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1-Dichloroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1-Dichloroethene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,1-Dichloropropene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,2,3-Trichlorobenzene	5 U	5 U		5 U	5 U	5 UJ
SPLP Volatiles	1,2,3-Trichloropropane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,2,4-Trichlorobenzene	5 U	5 U		5 U	5 U	5 UJ
SPLP Volatiles	1,2,4-Trimethylbenzene	5 U	5 U		**.53** J	5 U	5 U
SPLP Volatiles	1,2-Dibromo-3-Chloropropane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,2-Dibromoethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,2-Dichlorobenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,2-Dichloroethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,2-Dichloropropane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,3,5-Trimethylbenzene	5 U	5 U		**.54** J	5 U	5 U
SPLP Volatiles	1,3-Dichlorobenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,3-Dichloropropane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,4-Dichlorobenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	1,4-Dioxane	50 UJ	50 UJ		50 UJ	50 UJ	50 UJ
SPLP Volatiles	2,2-Dichloropropane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	2-Butanone (MEK)	10 U	10 U		10 UJ	10 UJ	10 UJ
SPLP Volatiles	2-Chlorotoluene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	2-Hexanone	10 U	10 U		10 U	10 U	10 U
SPLP Volatiles	4-Chlorotoluene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	4-Isopropyltoluene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	4-Methyl-2-pentanone (MIBK)	10 U	10 U		10 U	10 U	10 UJ
SPLP Volatiles	Acetone	10 UJ	10 UJ		10 UJ	10 UJ	10 U
SPLP Volatiles	Acetonitrile	50 UJ	50 UJ		50 UJ	50 UJ	50 UJ
SPLP Volatiles	Acrolein	25 UJ	25 UJ		25 UJ	25 UJ	25 UJ
SPLP Volatiles	Acrylonitrile	10 U	10 U		10 U	10 U	10 UJ
SPLP Volatiles	Benzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Bromobenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Bromodichloromethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Bromoform	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Bromomethane	5 U	5 U		5 U	5 UJ	5 UJ
SPLP Volatiles	Carbon disulfide	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Carbon tetrachloride	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Chlorobenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Chloroethane	5 UJ	5 UJ		5 UJ	5 UJ	5 U
SPLP Volatiles	Chloroform	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Chloromethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	cis-1,2-Dichloroethene	5 U	5 U		5 U	5 U	**13**
SPLP Volatiles	cis-1,3-Dichloropropene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Dibromochloromethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Dibromomethane	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Dichlorodifluoromethane	5 U	5 U		5 UJ	5 UJ	5 U
SPLP Volatiles	Ethylbenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Hexachlorobutadiene	5 UJ	5 UJ		**.62** J	5 UJ	5 UJ
SPLP Volatiles	Isopropylbenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	m&p-Xylene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Methyl tert-butyl ether	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Methylene Chloride	5 U	**5.8** F		5 UJ	5 UJ	5 U
SPLP Volatiles	Naphthalene	5 U	5 U		5 UJ	5 UJ	5 UJ
SPLP Volatiles	n-Butylbenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	N-Propylbenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	o-Xylene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	sec-Butylbenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Styrene	5 U	5 U		5 U	5 U	5 UJ
SPLP Volatiles	tert-Butylbenzene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Tetrachloroethene	5 U	5 U		**.64** J	**6.1**	**12**
SPLP Volatiles	Tetrahydrofuran	10 U	10 U		10 U	10 U	10 U
SPLP Volatiles	Toluene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	trans-1,2-Dichloroethene	5 U	5 U		5 U	5 U	**.52** J
SPLP Volatiles	trans-1,3-Dichloropropene	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	trans-1,4-Dichloro-2-butene	10 U	10 U		10 U	10 U	10 U
SPLP Volatiles	Trichloroethene	5 U	5 U		5 U	**23**	**210**
SPLP Volatiles	Trichlorofluoromethane	5 U	5 U		5 UJ	5 UJ	5 U
SPLP Volatiles	Vinyl chloride	5 U	5 U		5 U	5 U	5 U
SPLP Volatiles	Xylenes, Total	5 U	5 U		5 U	5 U	5 U

NOTES: value in parenthese is feet below ground surface of sample interval
U - not detected
UJ - not detected, reported limit is estimated
J - estimated concentration
C - calculated result

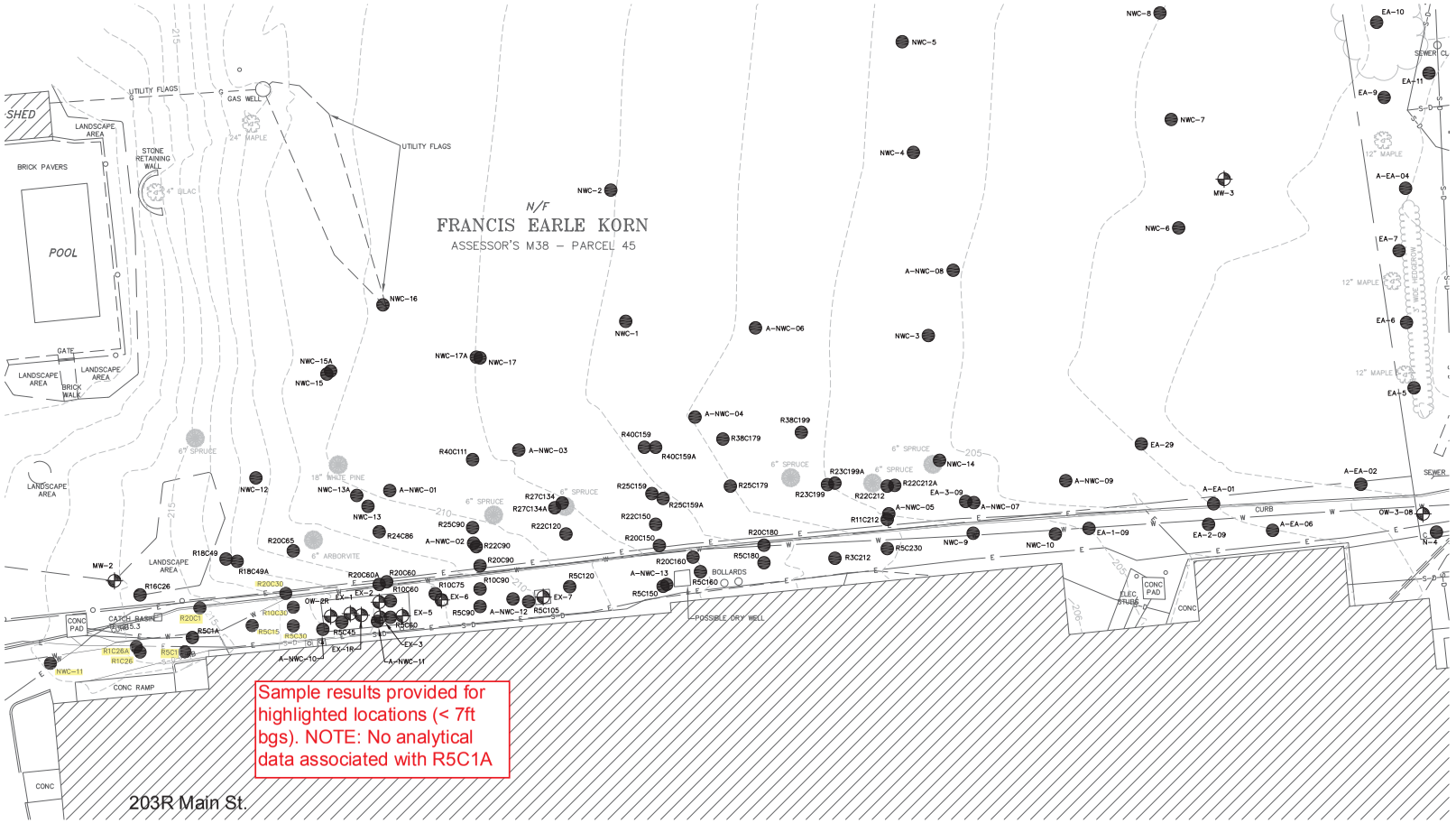
Historical Sample Results
Durham Meadows Superfund Site; Durham Manufacturing
Samples in Vicinity of Proposed New Waterline

ANALYSIS	Site ID Sample ID Sample Date Units	R5C30 R5C30 (4-5) 02/11/08 ug/Kg	R10C30 R10C30(4-5) 02/25/08 ug/Kg	R20C1 R20C1 (4-5) 02/11/08 ug/Kg	R20C30 R20C30:4-5 02/12/08 ug/Kg	NWC-11 NWC-11(0-2) 08/03/11	NWC-11 NWC-11(4-5) 08/03/11
Volatiles	1,1,1,2-Tetrachloroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1,1-Trichloroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1,2,2-Tetrachloroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1,2-Trichloro-1,2,2-trifluoroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1,2-Trichloroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1-Dichloroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1-Dichloroethene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,1-Dichloropropene	290 U	23 U	26 U	27 U		
Volatiles	1,2,3-Trichlorobenzene	290 U	4.6 UJ	5.3 UJ	5.3 U		
Volatiles	1,2,3-Trichloropropane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,2,4-Trichlorobenzene	290 U	4.6 UJ	5.3 UJ	5.3 U		
Volatiles	1,2,4-Trimethylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,2-Dibromo-3-Chloropropane	290 U	9.3 UJ	11 UJ	11 U		
Volatiles	1,2-Dibromoethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,2-Dichlorobenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,2-Dichloroethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,2-Dichloropropane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,3,5-Trimethylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,3-Dichlorobenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,3-Dichloropropane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,4-Dichlorobenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	1,4-Dioxane	15000 UJ	370 UJ	420 UJ	430 UJ		
Volatiles	2,2-Dichloropropane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	2-Butanone (MEK)	290 UJ	**4.4** JTB	11 UJ	11 U		
Volatiles	2-Chlorotoluene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	2-Hexanone	290 U	9.3 U	11 U	11 U		
Volatiles	4-Chlorotoluene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	4-Isopropyltoluene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	4-Methyl-2-pentanone (MIBK)	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Acetone	730 UJ	19 UJ	21 UJ	21 UJ		
Volatiles	Acetonitrile	580 U	46 U	53 U	53 U		
Volatiles	Acrolein	580 U	19 U	21 U	21 U		
Volatiles	Acrylonitrile	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Benzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Bromobenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Bromodichloromethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Bromoform	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Bromomethane	290 UJ	4.6 U	5.3 U	5.3 U		
Volatiles	Carbon disulfide	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Carbon tetrachloride	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Chlorobenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Chloroethane	290 U	4.6 UJ	5.3 UJ	5.3 U		
Volatiles	Chloroform	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Chloromethane	290 UJ	4.6 U	5.3 U	5.3 U		
Volatiles	cis-1,2-Dichloroethene	**180** J	4.6 U	5.3 U	5.3 U		
Volatiles	cis-1,3-Dichloropropene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Dibromochloromethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Dibromomethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Dichlorodifluoromethane	290 U	4.6 UJ	5.3 UJ	5.3 U		
Volatiles	Ethylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Hexachlorobutadiene	290 UJ	4.6 U	5.3 U	5.3 U		
Volatiles	Isopropylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	m&p-Xylene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Methyl tert-butyl ether	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Methylene Chloride	290 U	19 U	**1.6** J	**1.8** J		
Volatiles	Naphthalene	290 U	4.6 UJ	5.3 UJ	5.3 U		
Volatiles	n-Butylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	N-Propylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	o-Xylene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	sec-Butylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Styrene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	tert-Butylbenzene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Tetrachloroethene	**2300**	**.75** J	**16**	**5.2** J		
Volatiles	Tetrahydrofuran	290 U	19 U	21 U	21 U		
Volatiles	Toluene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	trans-1,2-Dichloroethene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	trans-1,3-Dichloropropene	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	trans-1,4-Dichloro-2-butene	290 U	9.3 U	11 U	11 U		
Volatiles	Trichloroethene	**2300**	**6.9**	**3.8** J	**16**		
Volatiles	Trichlorofluoromethane	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Vinyl chloride	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Xylenes, Total	290 U	4.6 U	5.3 U	5.3 U		
Volatiles	Total Chlorinated VOCs	**4780** C	**7.65** C	**21.4** C	**23** C		
Volatiles	Total VOCs	**4780** C	**12.05** C	**21.4** C	**23** C		

Historical Sample Results
Durham Meadows Superfund Site; Durham Manufacturing
Samples in Vicinity of Proposed New Waterline

ANALYSIS	Site ID / Sample ID / Sample Date / Units	R5C30 R5C30 (4-5) 02/11/08 ug/L	R10C30 R10C30(4-5) 02/25/08 ug/L	R20C1 R20C1 (4-5) 02/11/08 ug/L	R20C30 R20C30:4-5 02/12/08 ug/L	NWC-11 NWC-11(0-2) 08/03/11 ug/L	NWC-11 NWC-11(4-5) 08/03/11 ug/L
SPLP Volatiles	1,1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1,2-Trichloro-1,2,2-trifluoroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1-Dichloroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1-Dichloroethene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,1-Dichloropropene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,2,3-Trichlorobenzene	5 U	5 U	5 U	5 U	.5 UJ	.5 UJ
SPLP Volatiles	1,2,3-Trichloropropane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,2,4-Trichlorobenzene	5 U	5 U	5 U	5 U	.5 UJ	.5 UJ
SPLP Volatiles	1,2,4-Trimethylbenzene	5 U	5 U	5 U	**.49** J	.5 U	.5 U
SPLP Volatiles	1,2-Dibromo-3-Chloropropane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,2-Dibromoethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,2-Dichlorobenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,2-Dichloroethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,2-Dichloropropane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,3,5-Trimethylbenzene	5 U	5 U	5 U	**.23** J	.5 U	.5 U
SPLP Volatiles	1,3-Dichlorobenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,3-Dichloropropane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,4-Dichlorobenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	1,4-Dioxane	50 UJ	50 UJ	50 UJ	50 UJ	10 UJ	10 UJ
SPLP Volatiles	2,2-Dichloropropane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	2-Butanone (MEK)	10 UJ	10 UJ	10 UJ	10 U	2 U	2 U
SPLP Volatiles	2-Chlorotoluene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	2-Hexanone	10 U	10 U	10 U	10 U	2 U	2 U
SPLP Volatiles	4-Chlorotoluene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	4-Isopropyltoluene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	2 U	2 U
SPLP Volatiles	Acetone	**12** J	10 UJ	10 UJ	10 UJ	**2.5** J	2 UJ
SPLP Volatiles	Acetonitrile	50 UJ	50 UJ	50 UJ	50 U	20 UJ	20 UJ
SPLP Volatiles	Acrolein	25 UJ	25 UJ	25 UJ	25 U	10 UJ	10 UJ
SPLP Volatiles	Acrylonitrile	10 U	10 U	10 U	10 U	2 U	2 U
SPLP Volatiles	Benzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Bromobenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Bromodichloromethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Bromoform	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Bromomethane	5 U	5 UJ	5 U	5 U	1 U	1 U
SPLP Volatiles	Carbon disulfide	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Carbon tetrachloride	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Chlorobenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Chloroethane	5 UJ	5 UJ	5 UJ	5 UJ	1 U	1 U
SPLP Volatiles	Chloroform	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Chloromethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	cis-1,2-Dichloroethene	**1.3** J	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Dibromochloromethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Dibromomethane	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Dichlorodifluoromethane	5 UJ	5 UJ	5 UJ	5 U	1 U	1 U
SPLP Volatiles	Ethylbenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Hexachlorobutadiene	5 UJ	5 UJ	5 UJ	5 UJ	.5 UJ	.5 UJ
SPLP Volatiles	Isopropylbenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	m&p-Xylene	5 U	5 U	5 U	5 U	1 U	1 U
SPLP Volatiles	Methyl tert-butyl ether	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Methylene Chloride	5 UJ	5 UJ	5 UJ	5 U	2 UJ	2 UJ
SPLP Volatiles	Naphthalene	5 UJ	5 UJ	5 UJ	5 U	.5 UJ	**2.6** J
SPLP Volatiles	n-Butylbenzene	5 U	5 U	5 U	5 U	.5 UJ	.5 UJ
SPLP Volatiles	N-Propylbenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	o-Xylene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	sec-Butylbenzene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Styrene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	tert-Butylbenzene	5 U	5 U	5 U	5 U	1 U	1 U
SPLP Volatiles	Tetrachloroethene	**16**	**.63** J	**1.1** J	**.77** J	.5 U	.5 U
SPLP Volatiles	Tetrahydrofuran	10 U	10 U	10 U	10 U	2 U	2 U
SPLP Volatiles	Toluene	5 U	5 U	5 U	**.9** J	.5 U	.5 U
SPLP Volatiles	trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	trans-1,4-Dichloro-2-butene	10 U	10 U	10 U	10 U	1 U	1 U
SPLP Volatiles	Trichloroethene	**20**	5 U	5 U	**1.8** J	.5 U	.5 U
SPLP Volatiles	Trichlorofluoromethane	5 UJ	5 UJ	5 UJ	5 U	.5 U	.5 U
SPLP Volatiles	Vinyl chloride	5 U	5 U	5 U	5 U	.5 U	.5 U
SPLP Volatiles	Xylenes, Total	5 U	5 U	5 U	5 U	1 U	1 U

NOTES:
value in parenthese is feet bel
U - not detected
UJ - not detected, reported lim
J - estimated concentration
C - calculated result



PLAN

SCALE: 1"=30'

0 30 60

SCALE 1" = 30' FEET

LEGEND

MW-1 MONITORING WELL

A-NWC-01 ENVIRONMENTAL BORING

NOTES:

1. BASE MAP BASED ON TOPOGRAPHIC SURVEY PROVIDED BY GM2 ASSOCIATES, INC., DATED APRIL 2014.
2. HORIZONTAL DATUM NAD 83. VERTICAL DATUM NGVD 29.

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U.S. EPA
DMC STUDY AREA, DURHAM MEADOWS
SUPERFUND SITE
HISTORICAL AND 2014 SOIL
BORING LOCATIONS
NORTHWEST CORNER AREA
SKETCHES

PROJECT NO:	60132597
CAD DWG FILE:	FIGURE 3-3
DESIGNED BY:	C. CASTLEBERRY
DRAWN BY:	C. BENZIGER
DATE:	NOVEMBER 2014
SCALE:	AS NOTED

FIGURE 3-3

ANSI B – 19-Nov-14