

- Existing Conditions**
- Existing Steel Pole
 - Existing Wood Pole
 - Wood Distribution Pole
 - Existing Transmission Line
 - Natural Gas Pipeline
 - AT&T Fiber Optic Line
 - Existing Power Facility
 - Existing Road
 - Existing Right of Way
 - Existing Culvert or Stream Ford
 - Watercourse
 - Area Subject to Storm Flowage (ASSF)
 - 100' Riverbank Buffer
 - 200' Riverbank Buffer
 - Wetland Flag
 - Field Delineated Wetland
 - 50' Perimeter Wetland

- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

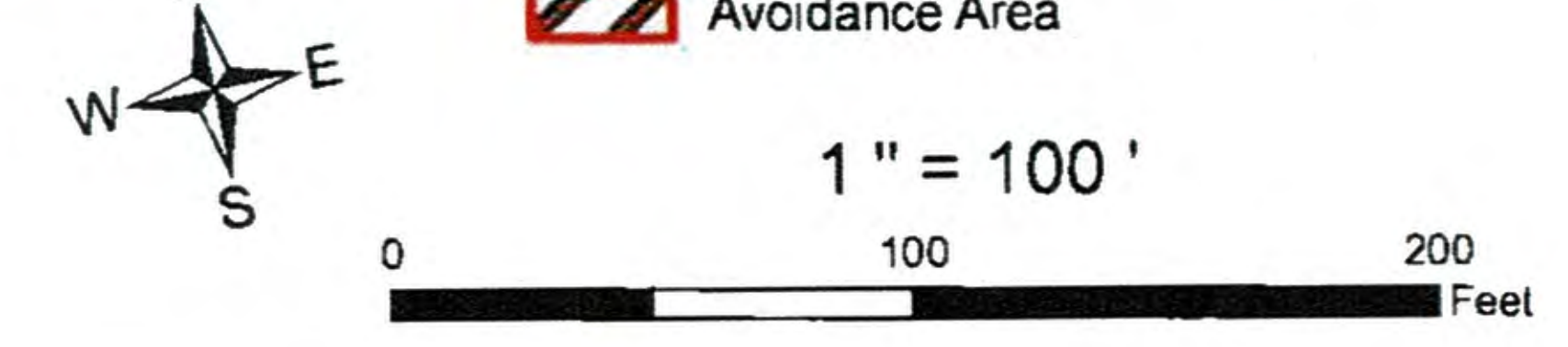
- Proposed**
- Proposed or Reused Steel Pole
 - Steel Pole to be Removed
 - Proposed Wood Pole
 - Wood Pole to be Removed
 - Proposed 345 kV Transmission Line
 - Replaced 345 kV Transmission Line
 - Proposed Clear River Switching Station
 - Proposed Culvert or Stream Ford
 - Proposed New Right-of-Way
 - Use Existing Access Road
 - Improve Existing Road
 - Construct New Access Road
 - Avoidance Area

- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

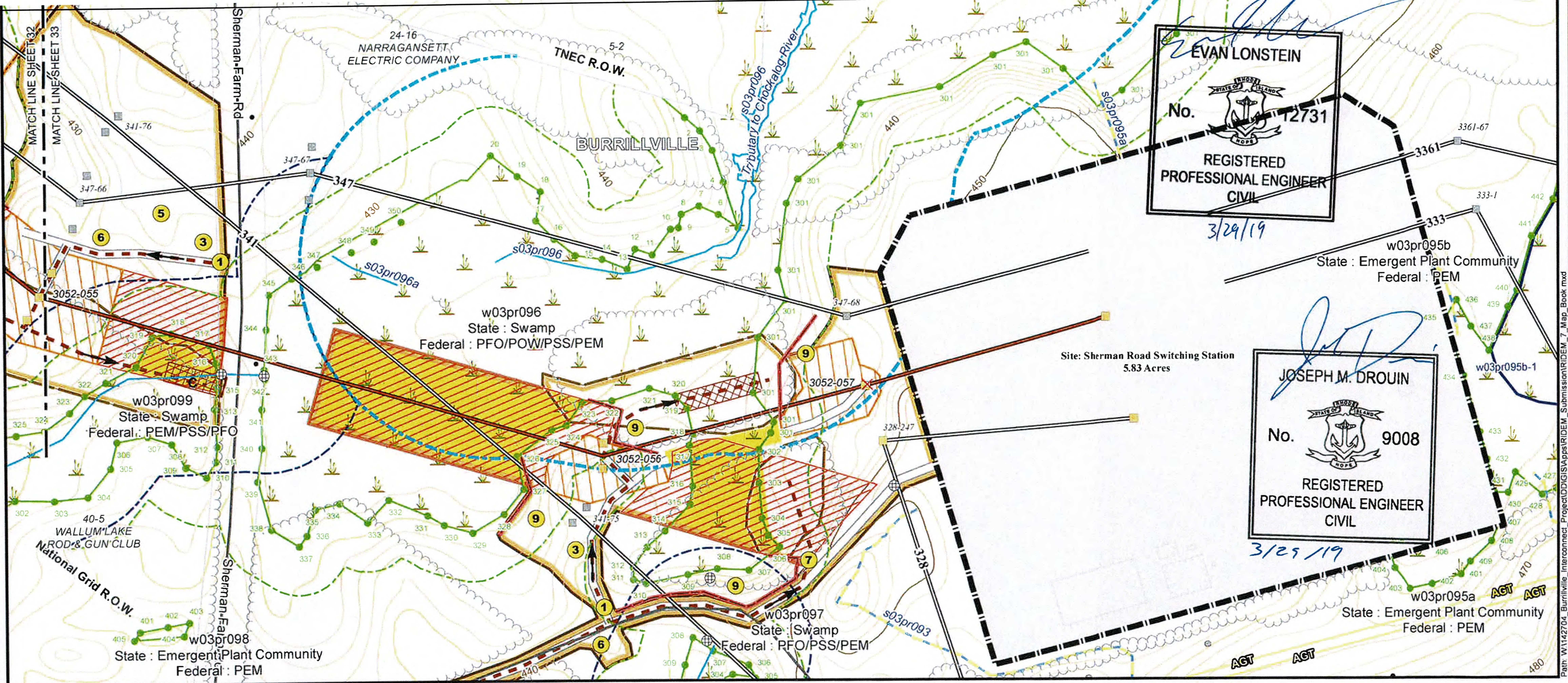
- 1 Stabilized construction ingress/egress
- 2 Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3 Laydown or landing area
- 4 Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- 5 Dewatering area (see Erosion & Sediment Control General Notes)
- 6 Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

- 7 If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation. Stream and ASSF crossings will be accomplished using one of the stream crossing techniques shown on the swamp mat details (mat bridge detail). Access road crossings and construction work pads will be elevated in such a manner to span the stream or ASSF and not obstruct the flow of water.
 - 8
 - 9 Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)
- Notes:
 - Limits of ROW shown are approximate.
 - Rhode Island PE Seal 9008 is applicable only to the proposed transmission structure locations shown.
 - Proposed transmission structure locations are approximate.

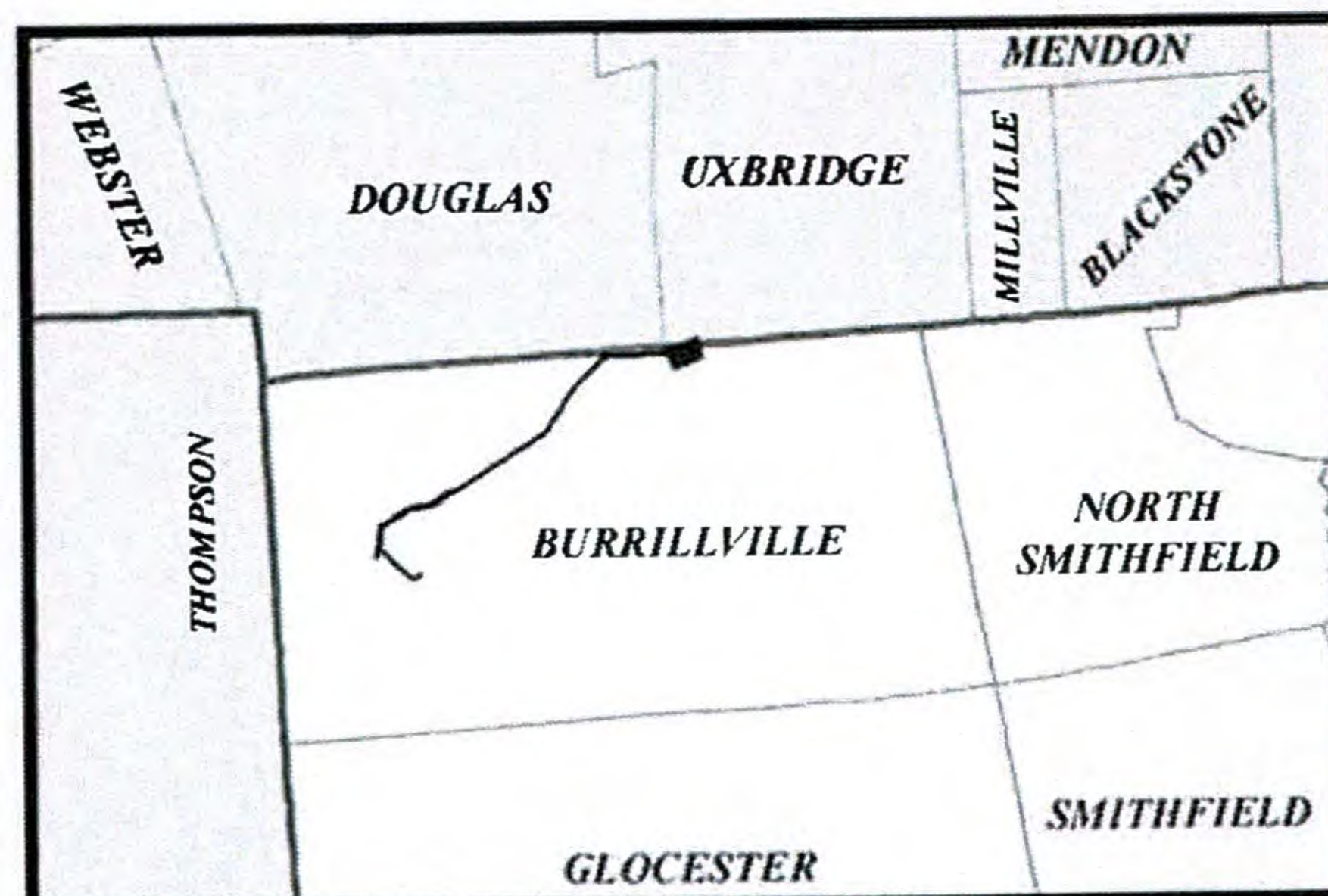
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 32 OF 65



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland

Proposed

- Proposed or Reused Steel Pole
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- Tree Clearing Access Route
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- Limit of Tree Clearing
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- 1** Stabilized construction ingress/egress
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- 5** Dewatering area (see Erosion & Sediment Control General Notes)
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- 7** If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation
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- 9** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

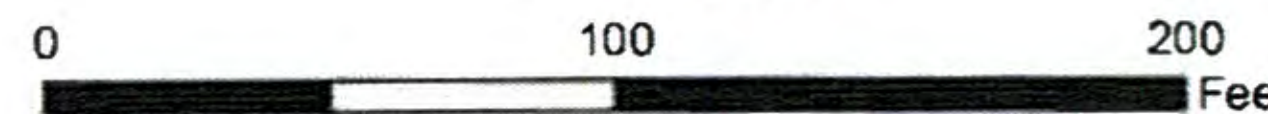
Notes:
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 - Proposed transmission structure locations are approximate.

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1" = 100'



**BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC**

**RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND**

DATE: 3/2/2018

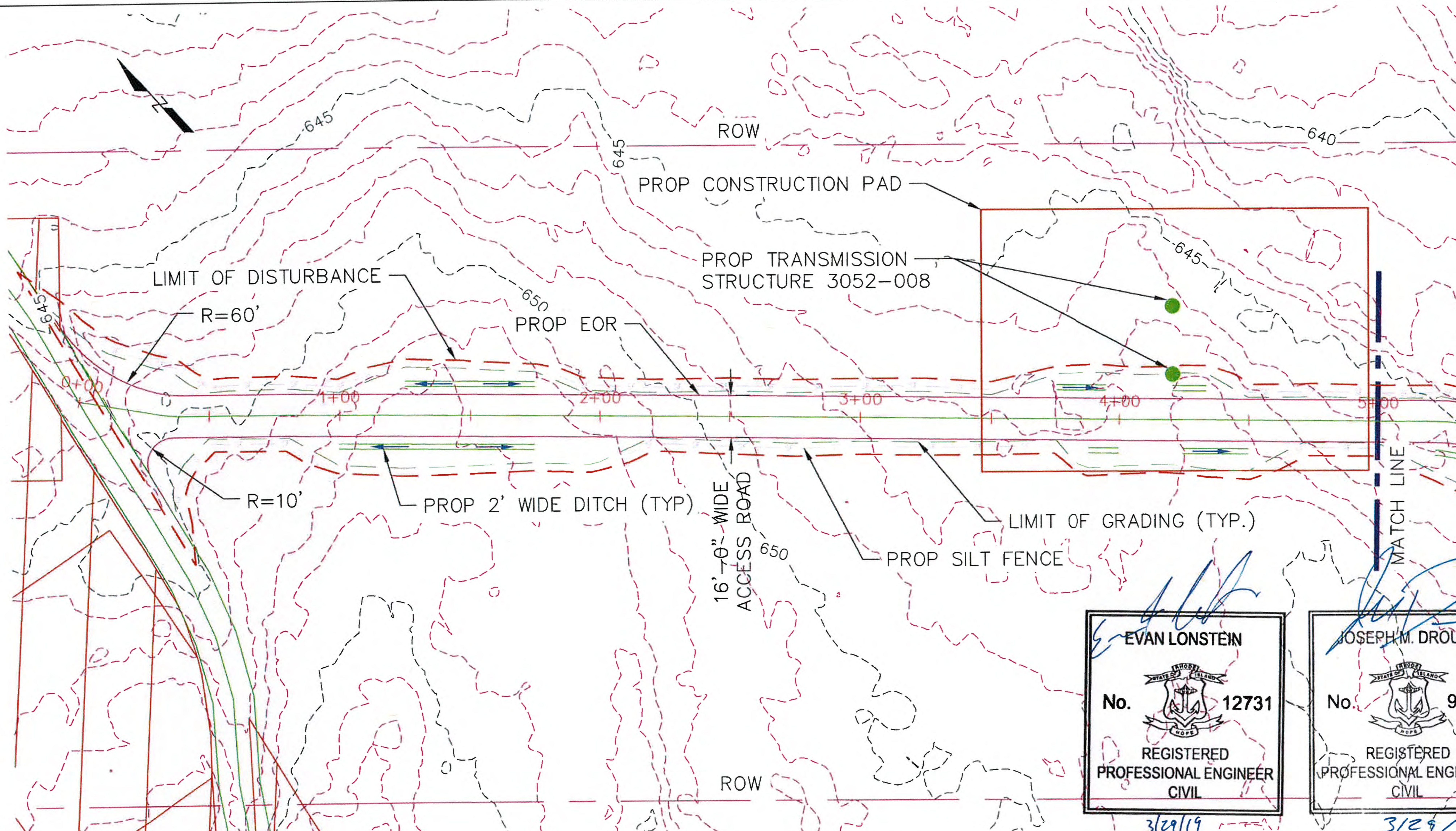
DRAWN: TDH

142704

FIGURE T-3

SHEET 33 OF 65

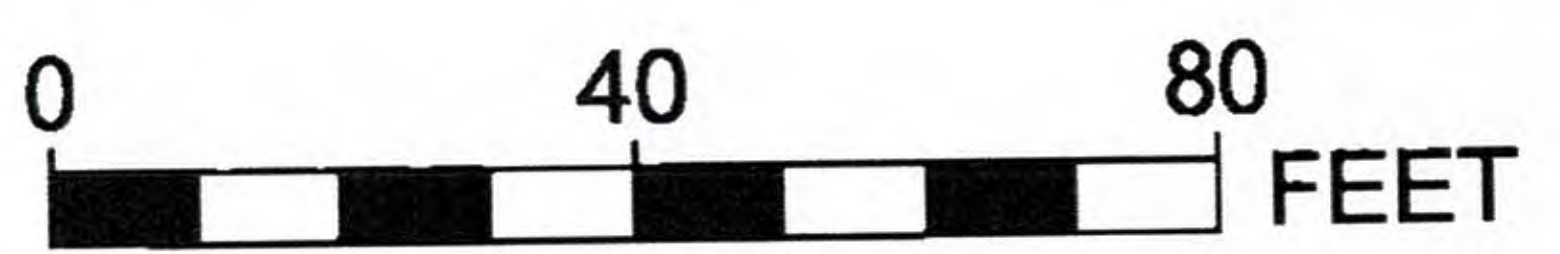
Path: W:\142704_Burrillville_Interconnect_Project\ODGIS\Apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd



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 3/29/19

ROAD PLAN STATION 0+00 TO 5+00
 SCALE: 1"=40'



NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

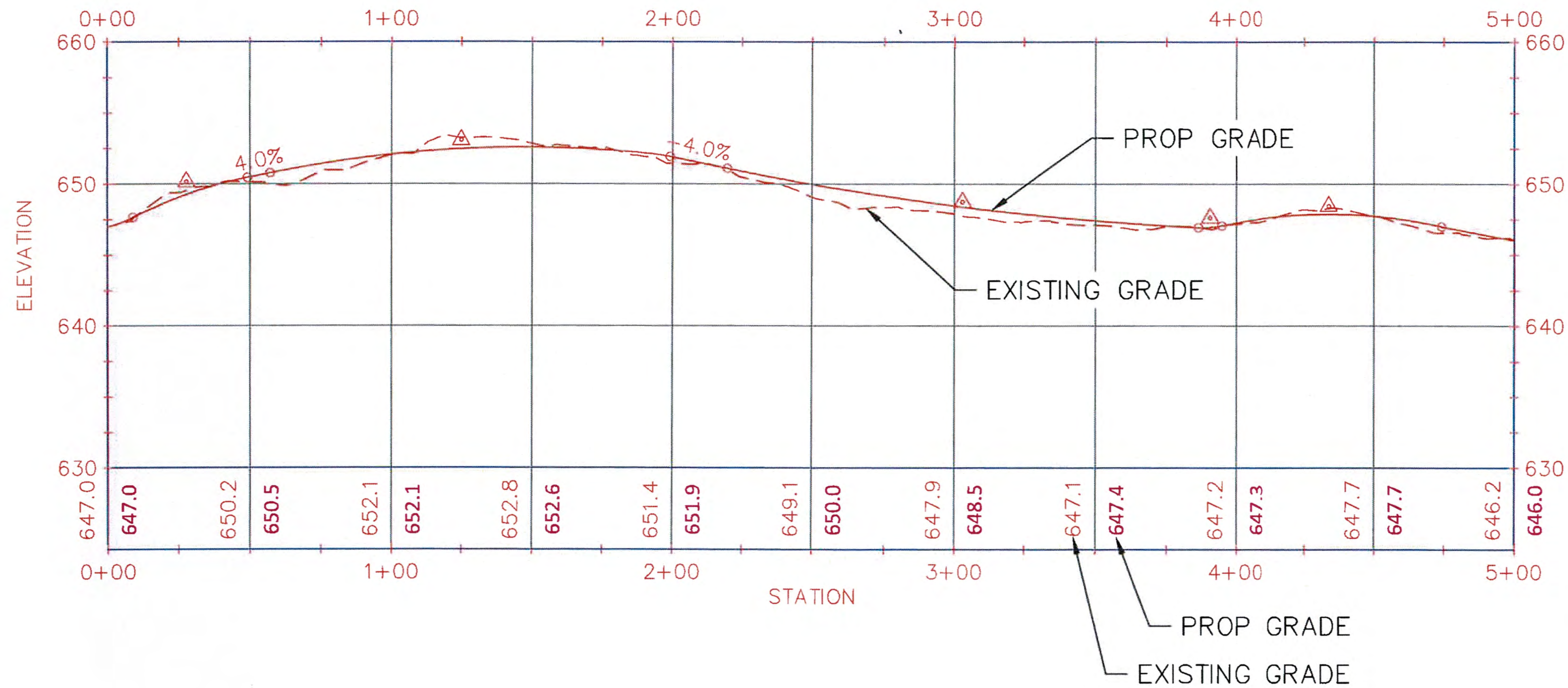
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4 SHEET 34 OF 65



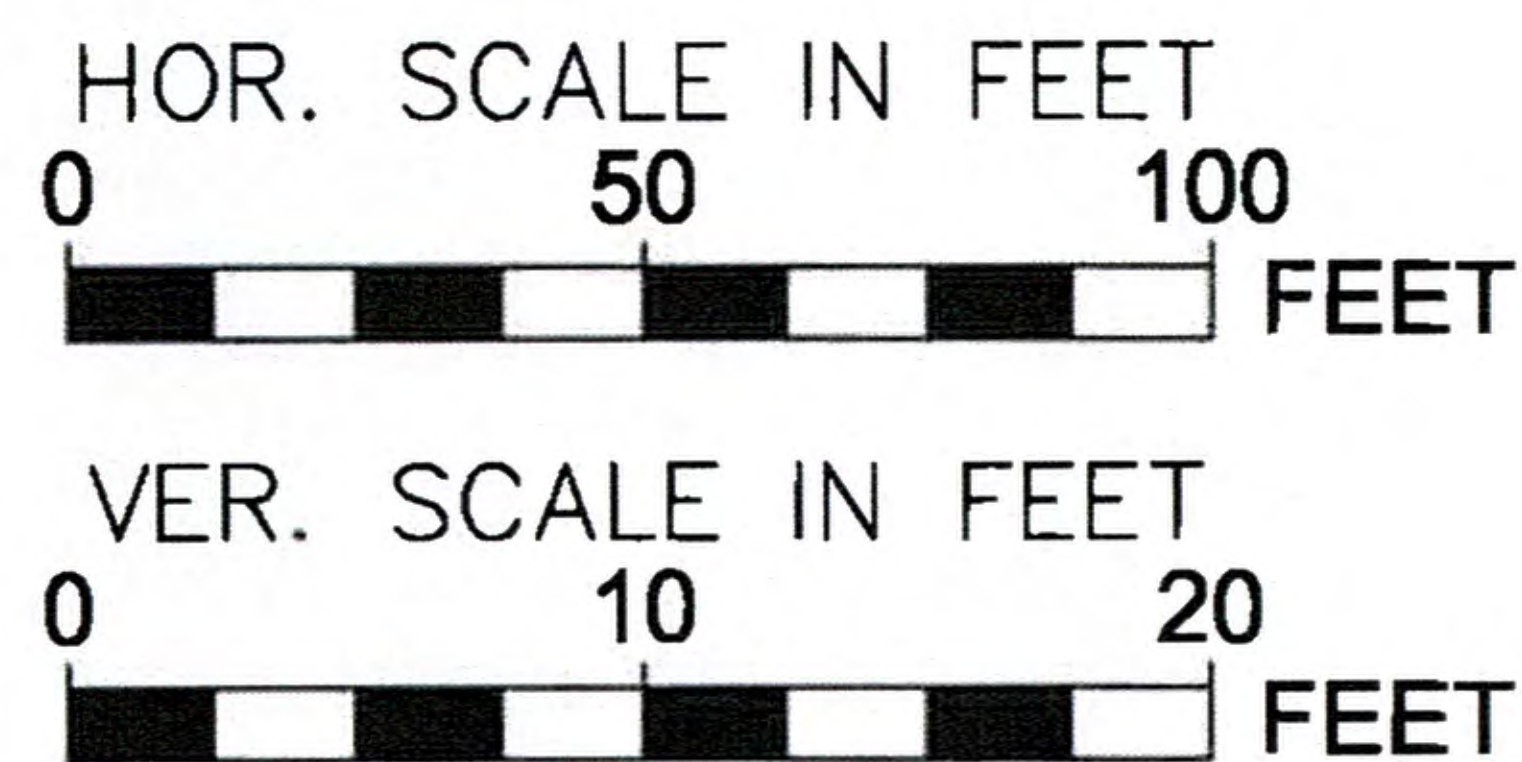
Evan Lonstein
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ROAD PROFILE STATION 0+00 TO 5+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY
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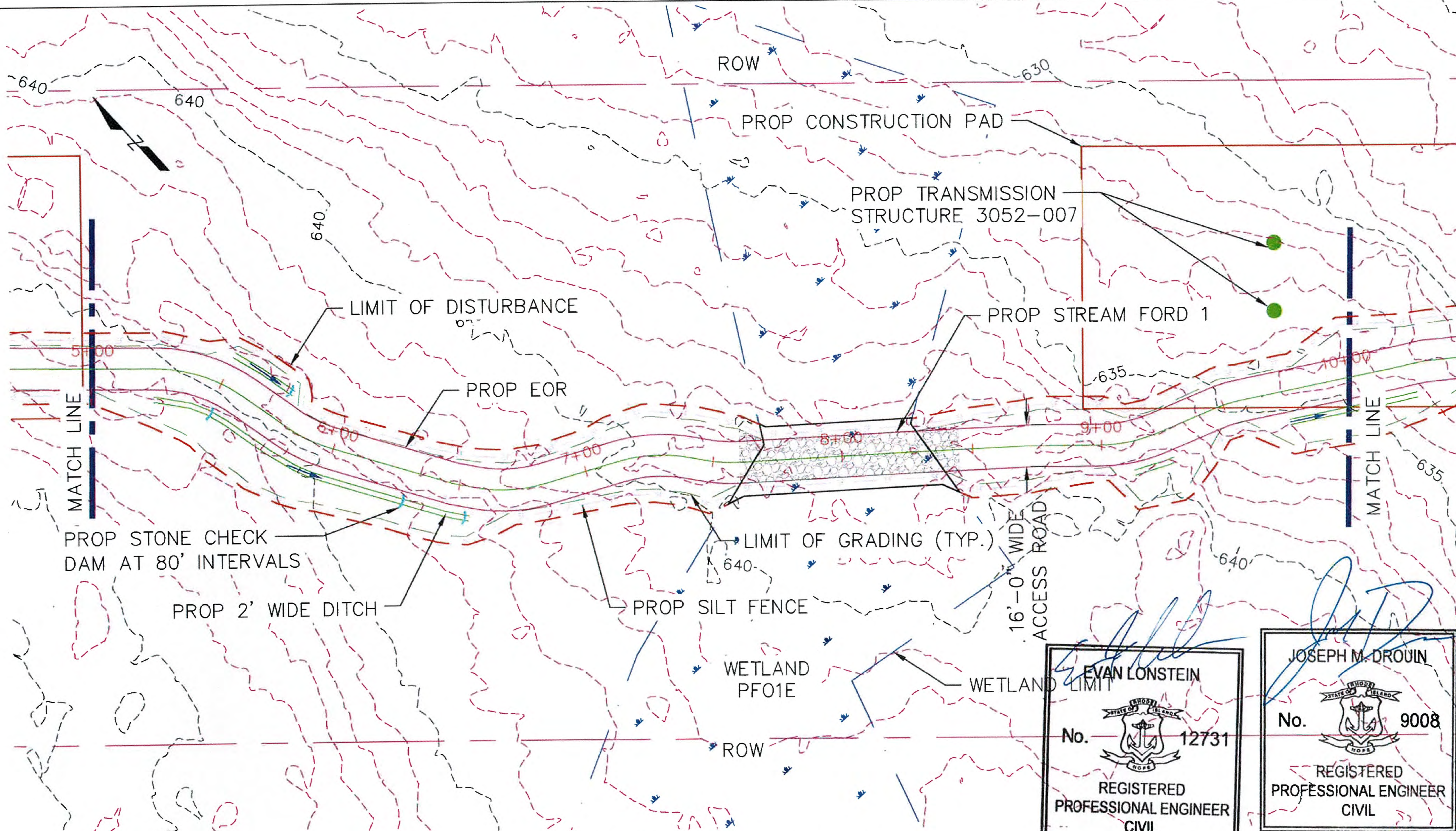
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Burrillville Interconnection Project The Narragansett Electric Co. & Clear River Energy, LLC			RIDEM and USACE Permit Drawings Proposed Access Road Burrillville, Rhode Island	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 35 OF 65



ROW
 PROP CONSTRUCTION PAD
 PROP TRANSMISSION STRUCTURE 3052-007
 PROP STREAM FORD 1
 LIMIT OF DISTURBANCE
 PROP EOR
 LIMIT OF GRADING (TYP.)
 PROP STONE CHECK DAM AT 80' INTERVALS
 PROP 2' WIDE DITCH
 PROP SILT FENCE
 WETLAND PFO1E
 WETLAND LIMIT
 16'-0" WIDE ACCESS ROAD

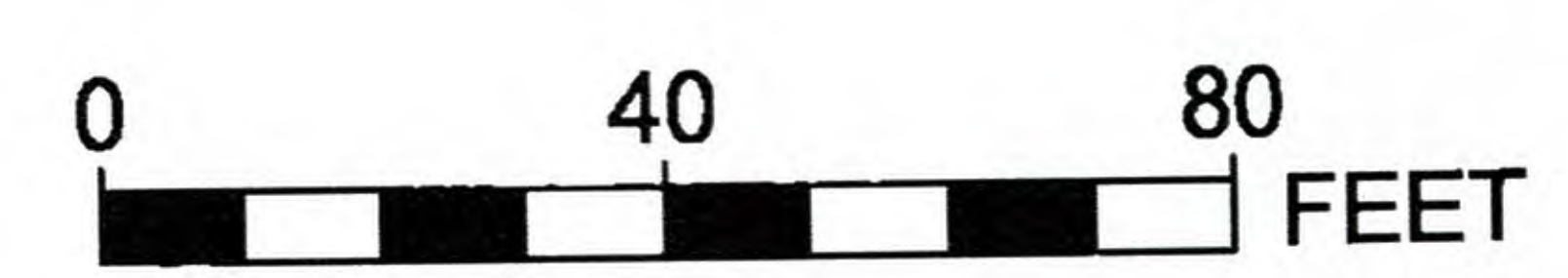
ROAD PLAN STATION 5+00 TO 10+00
 SCALE: 1"=40'

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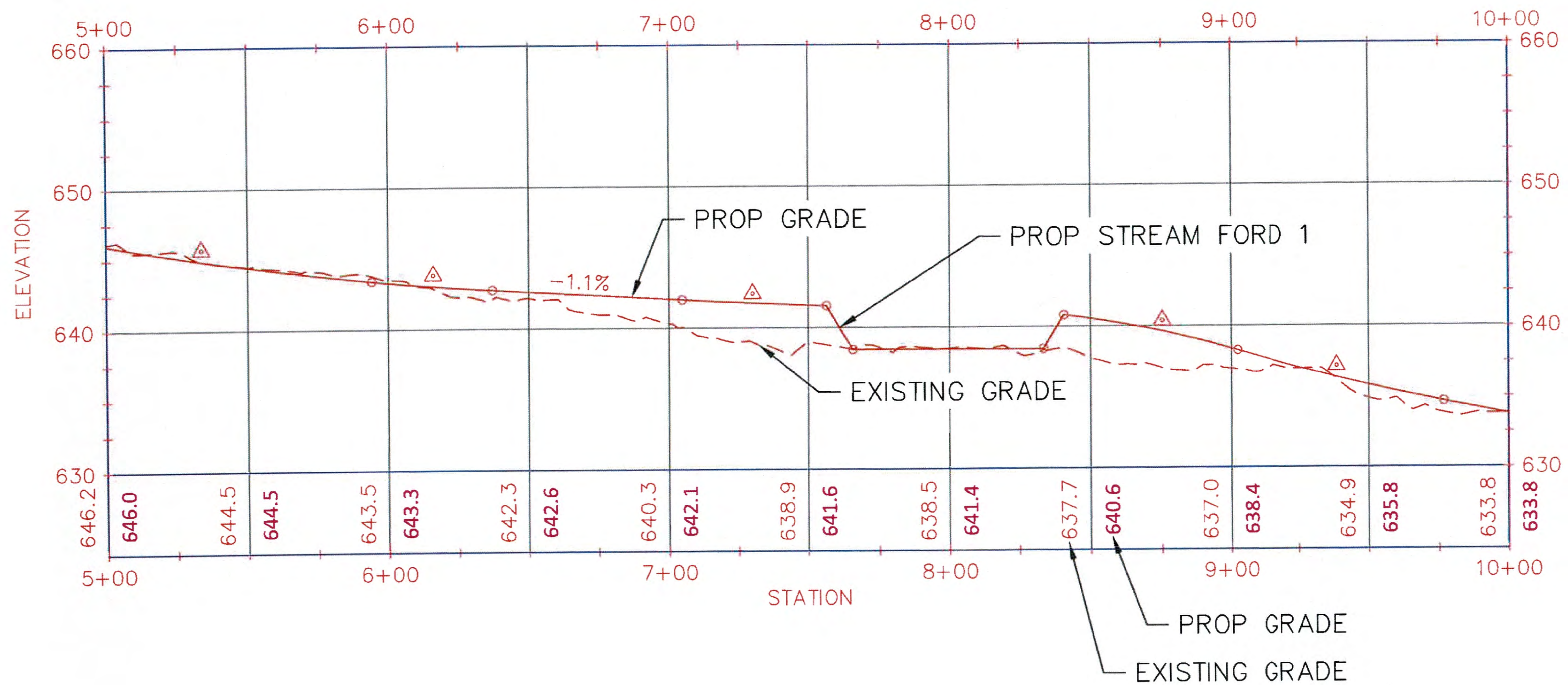



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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 36 OF 65



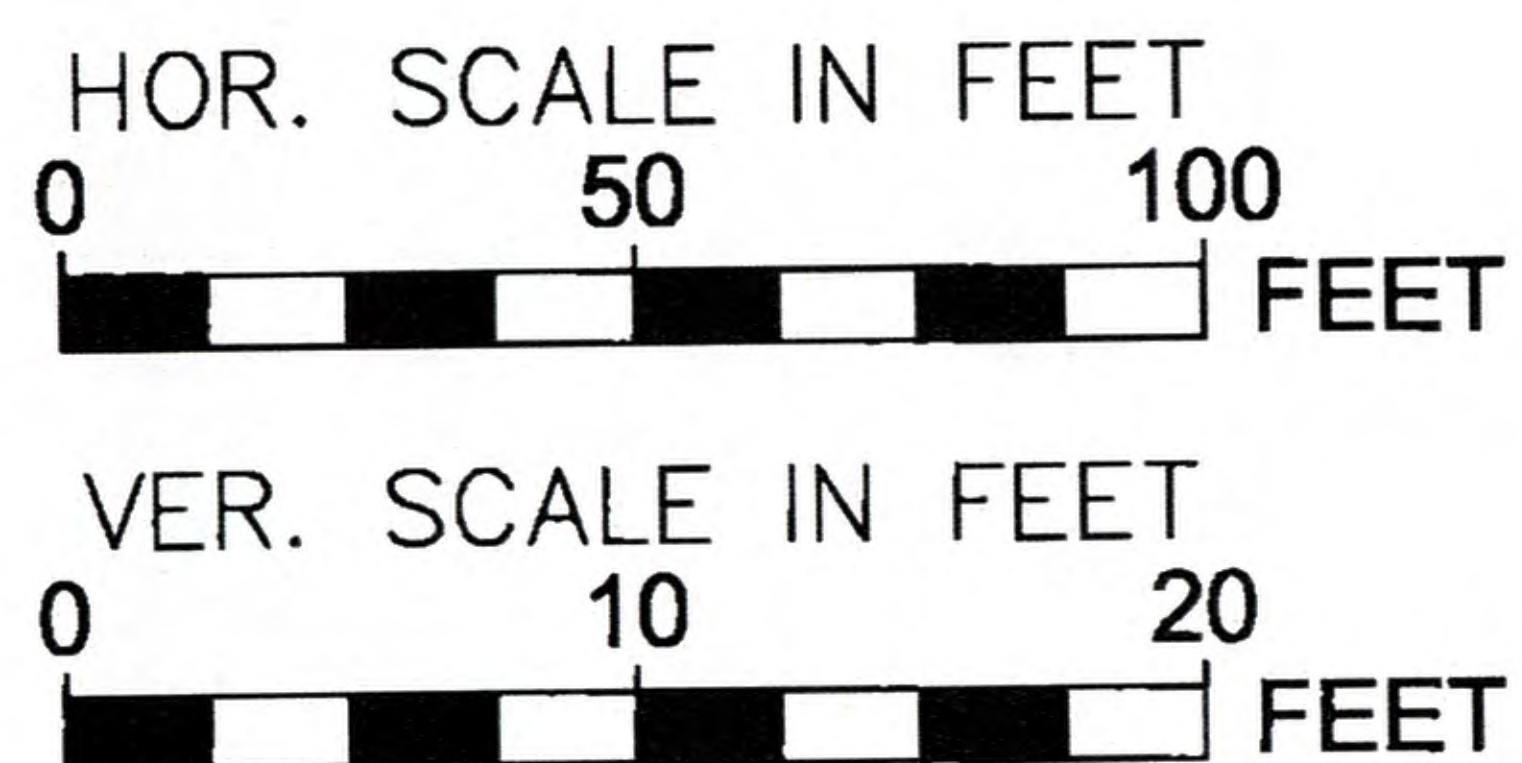
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ROAD PROFILE STATION 5+00 TO 10+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

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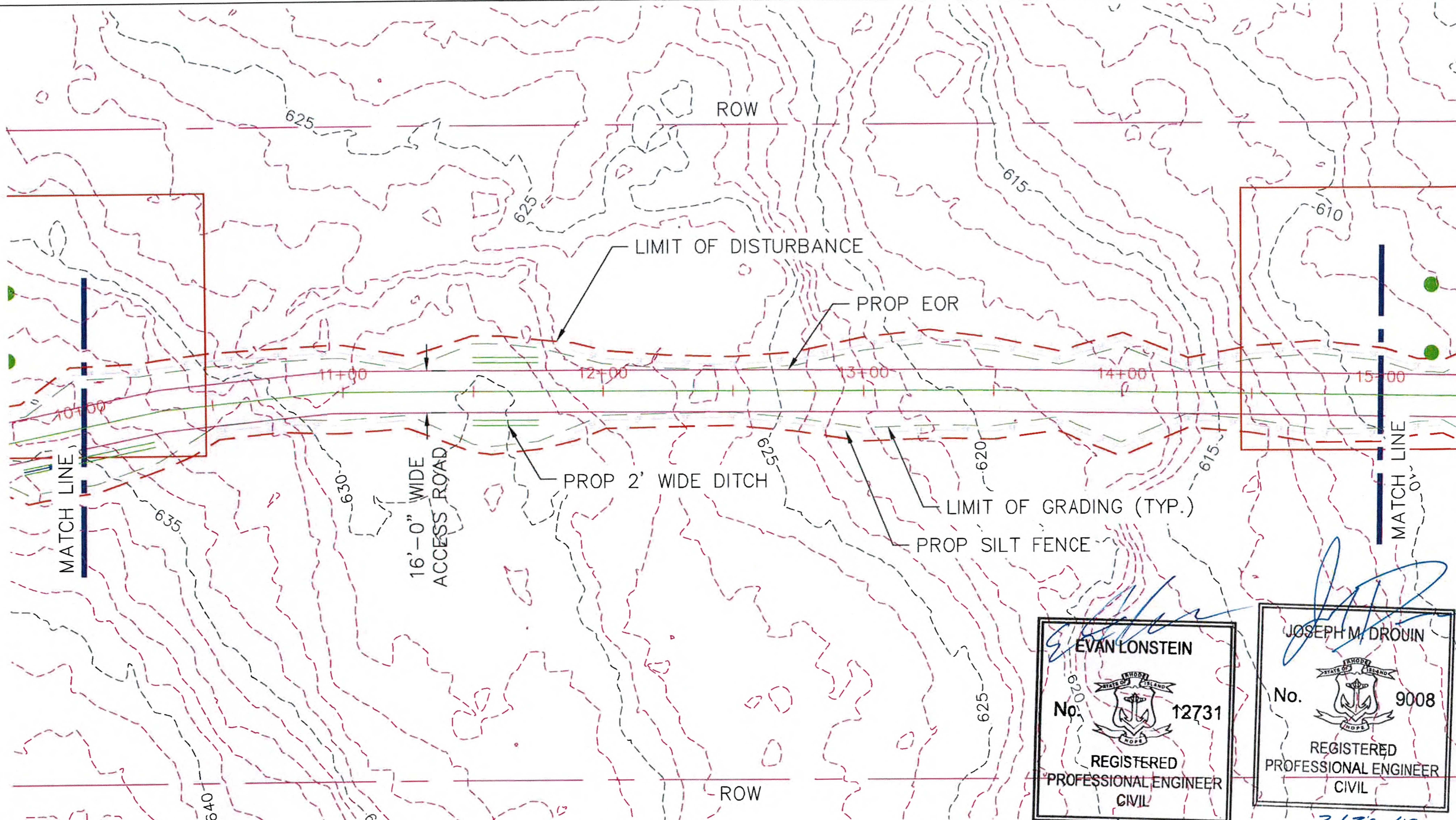
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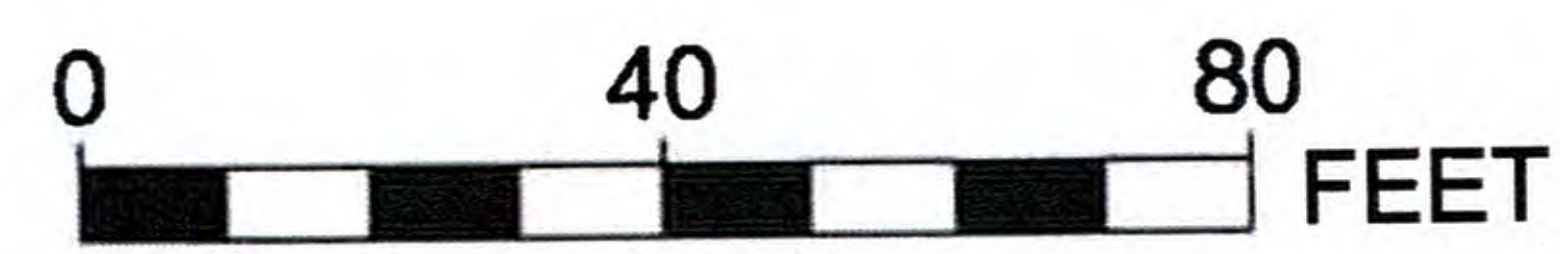
BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 37 OF 65



ROAD PLAN STATION 10+00 TO 15+00
SCALE: 1"=40'

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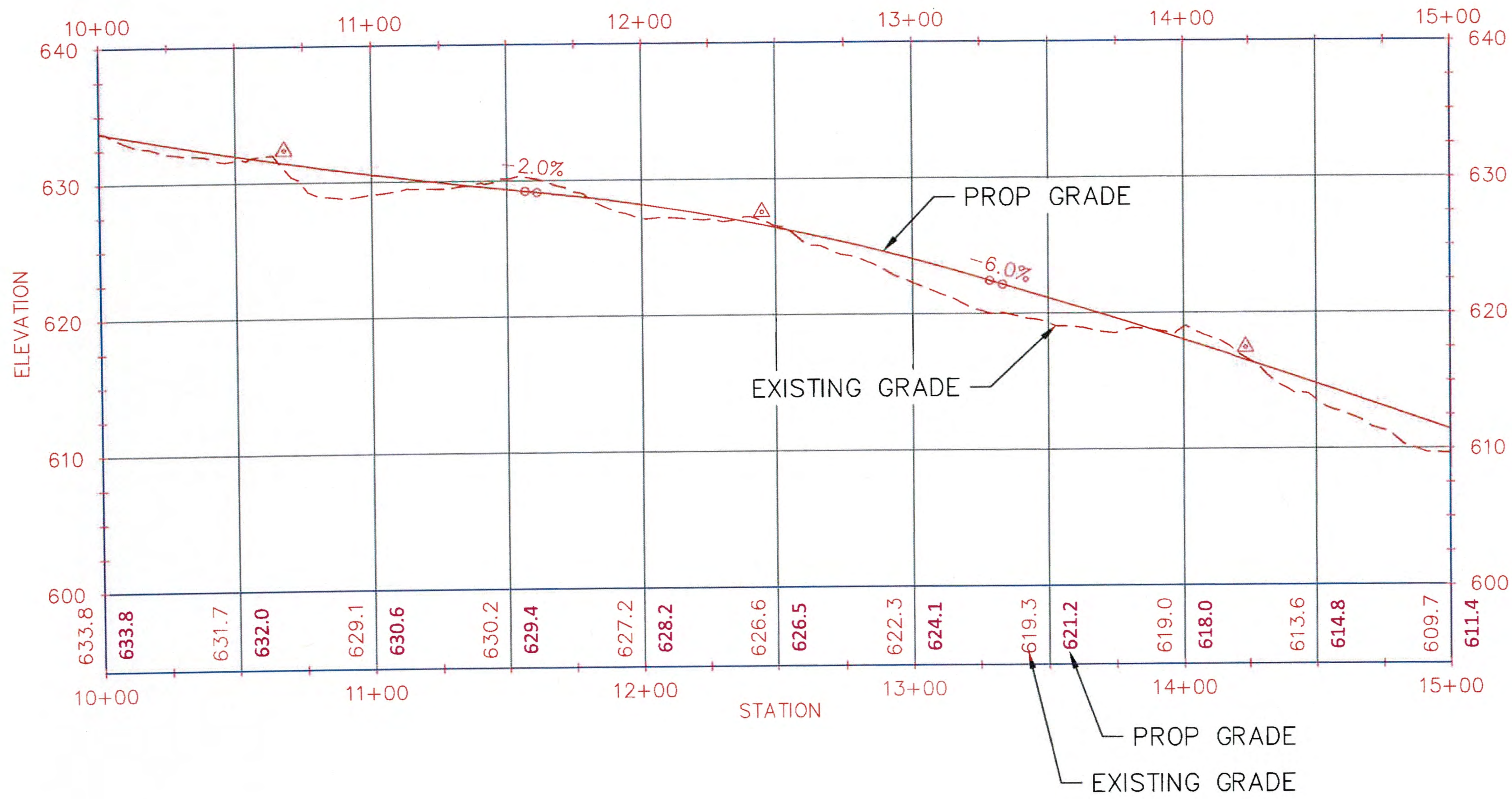
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 38 OF 65	



ROAD PROFILE STATION 10+00 TO 15+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

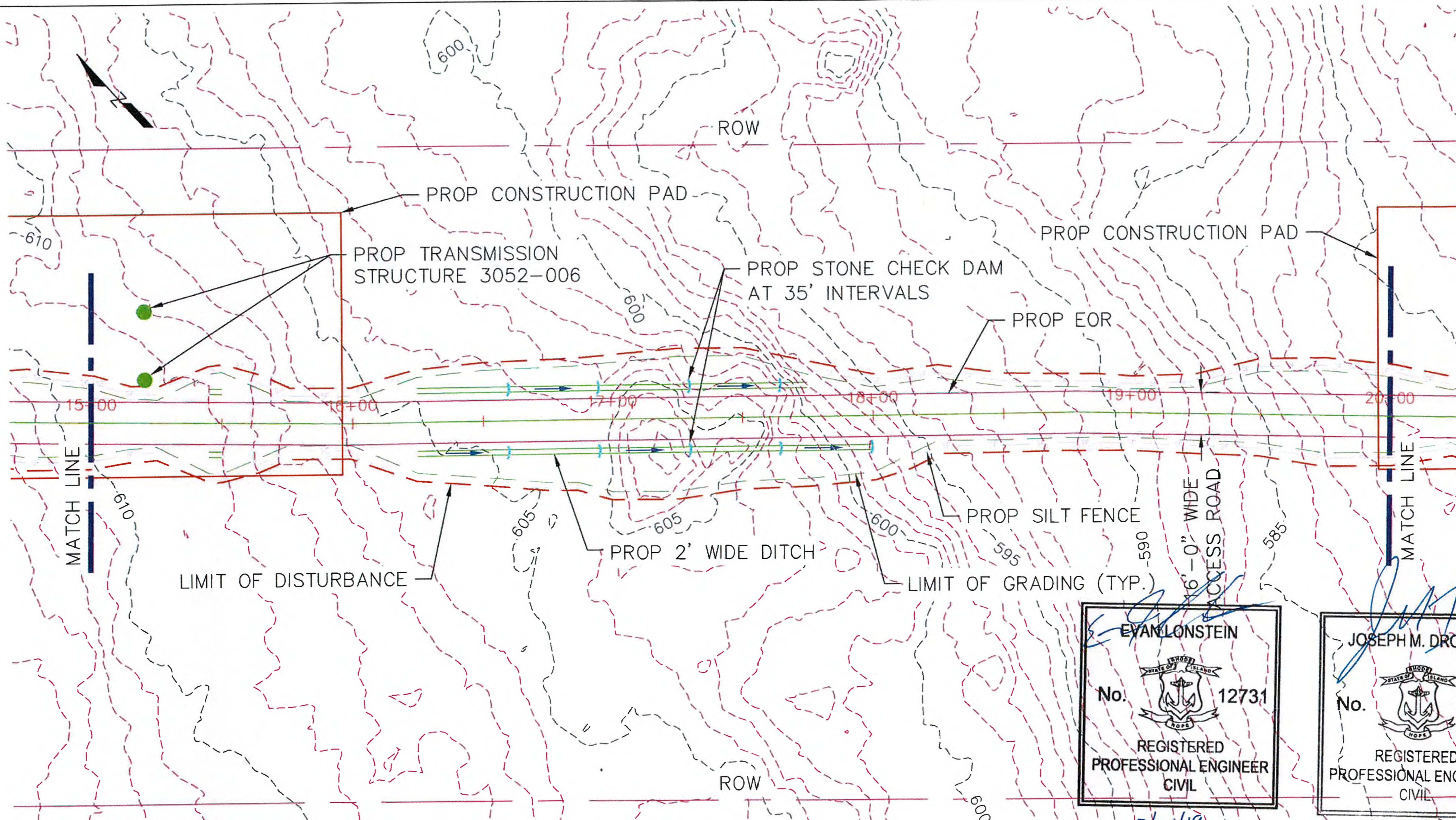
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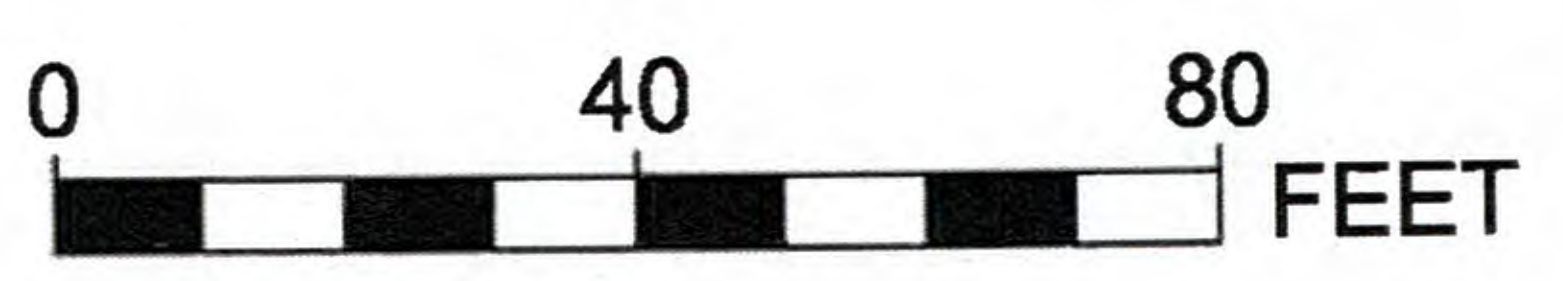
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 39 OF 65



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 3/29/19

ROAD PLAN STATION 15+00 TO 20+00
 SCALE: 1"=40'



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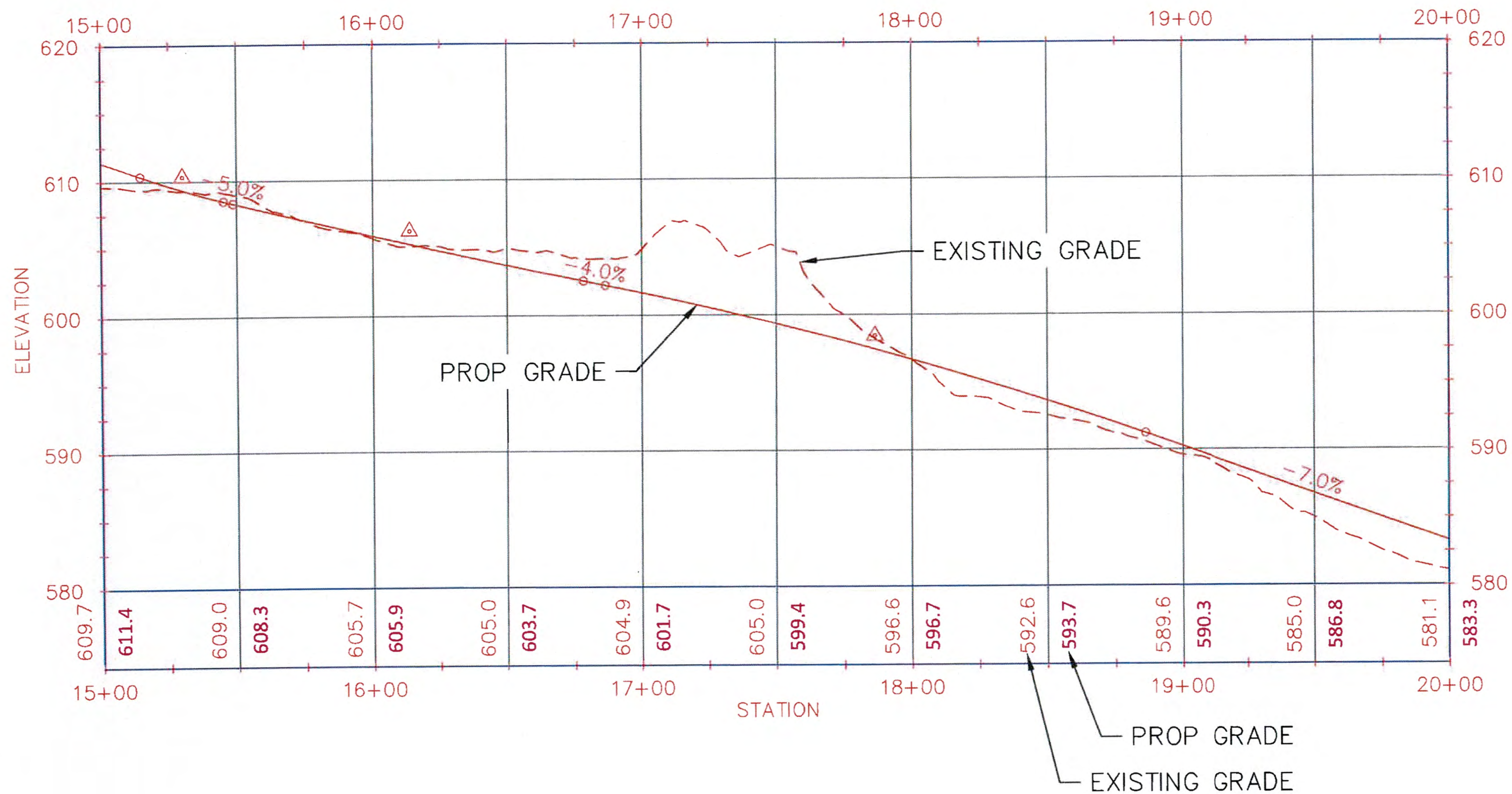
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 40 OF 65	

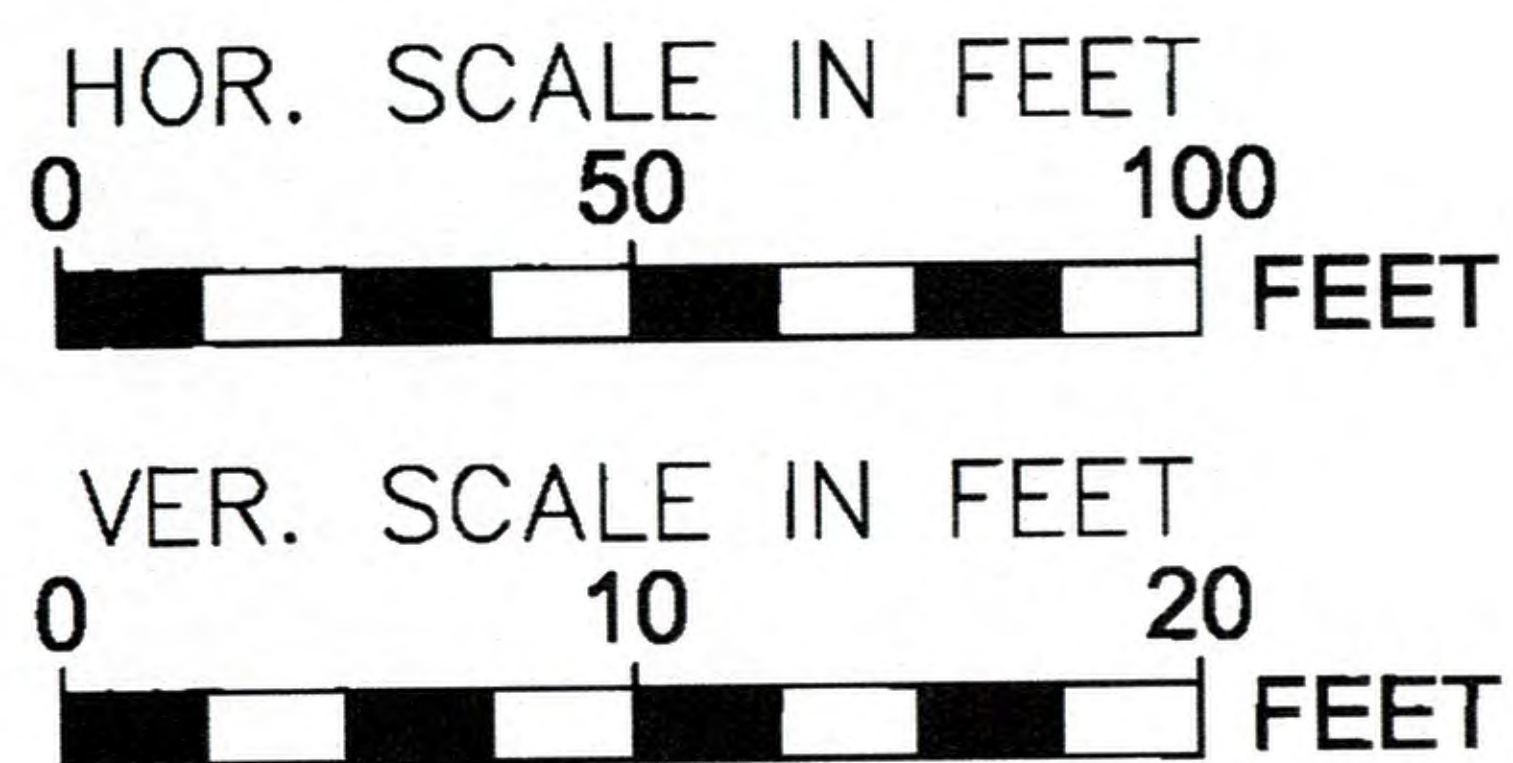


[Signature]
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ROAD PROFILE STATION 15+00 TO 20+00
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 VERT. SCALE: 1"=10'

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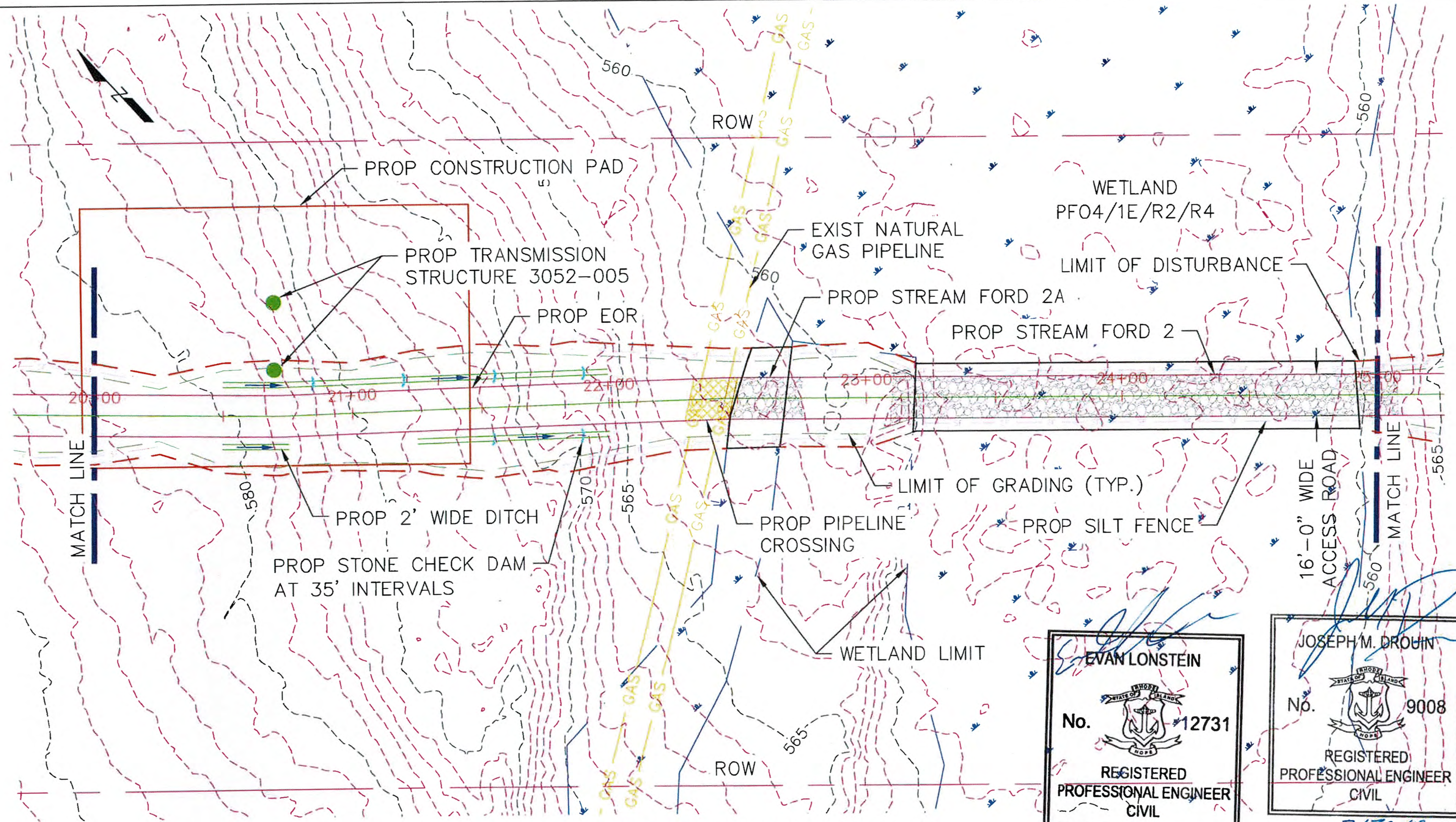
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 41 OF 65



ROAD PLAN STATION 20+00 TO 25+00
SCALE: 1"=40'

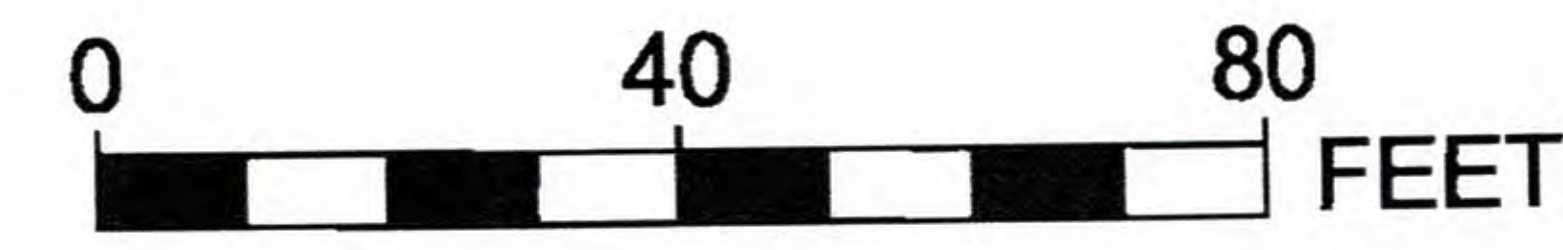
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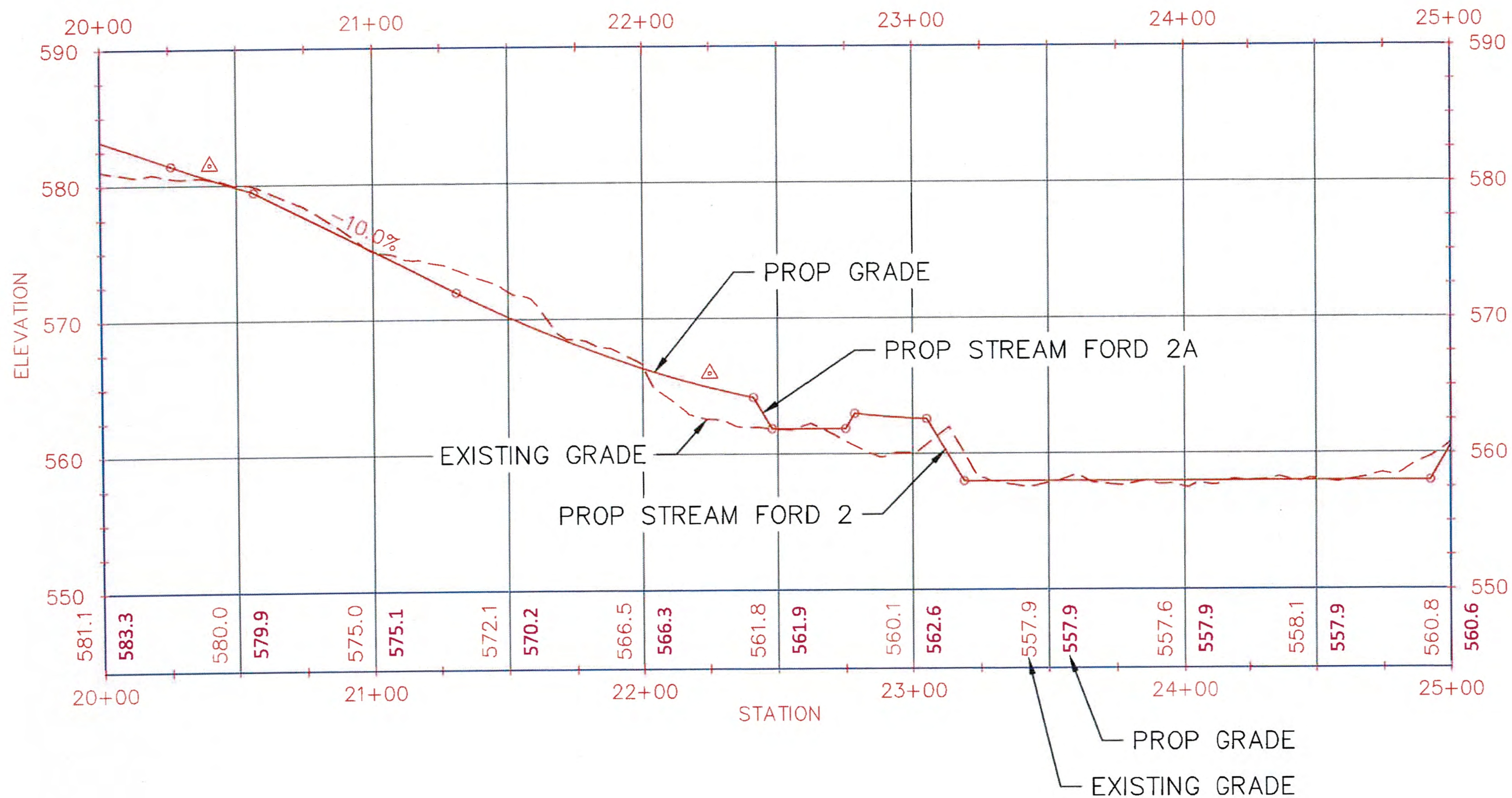
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 42 OF 65	



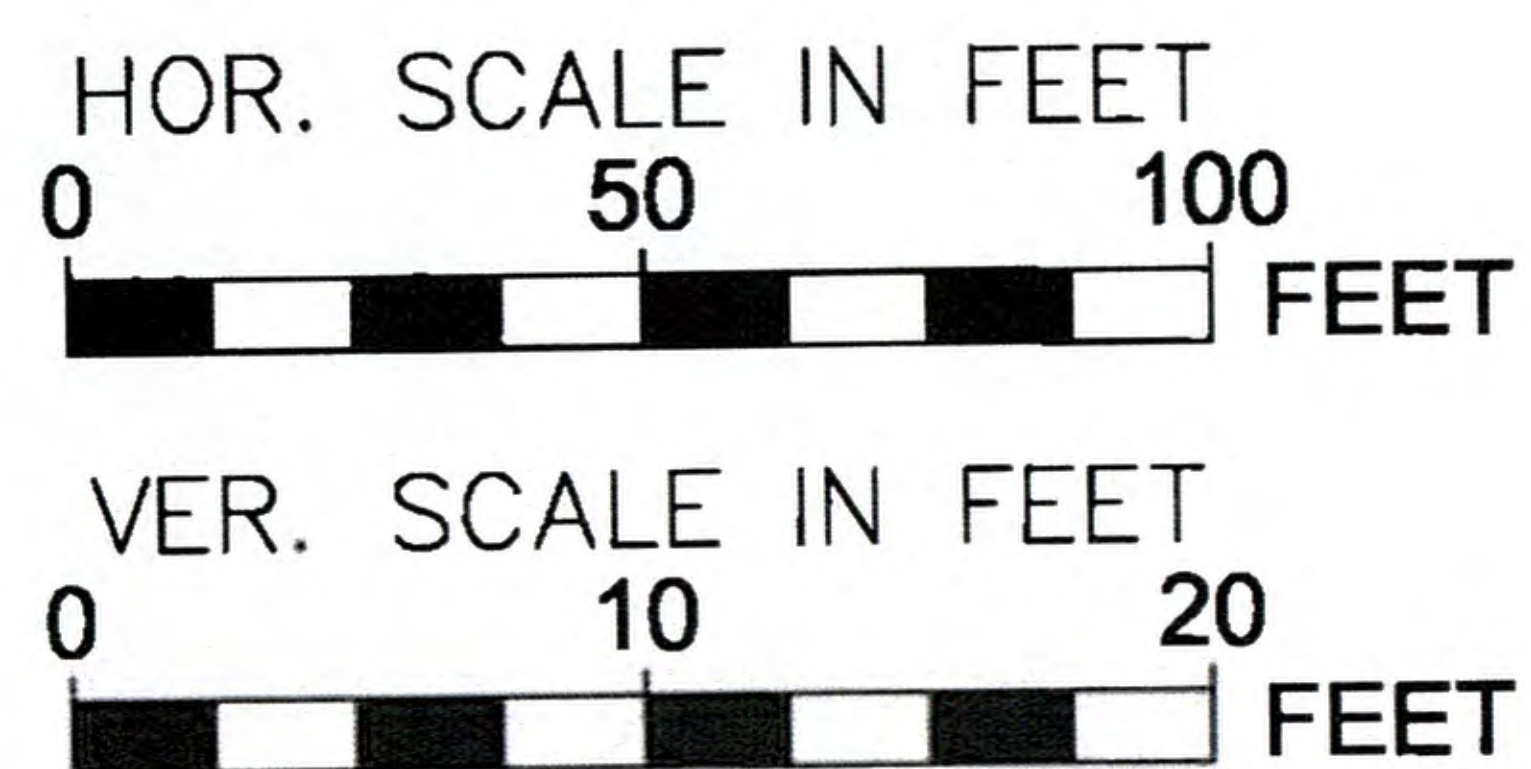
3/29/19

ROAD PROFILE STATION 20+00 TO 25+00
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 VERT. SCALE: 1"=10'

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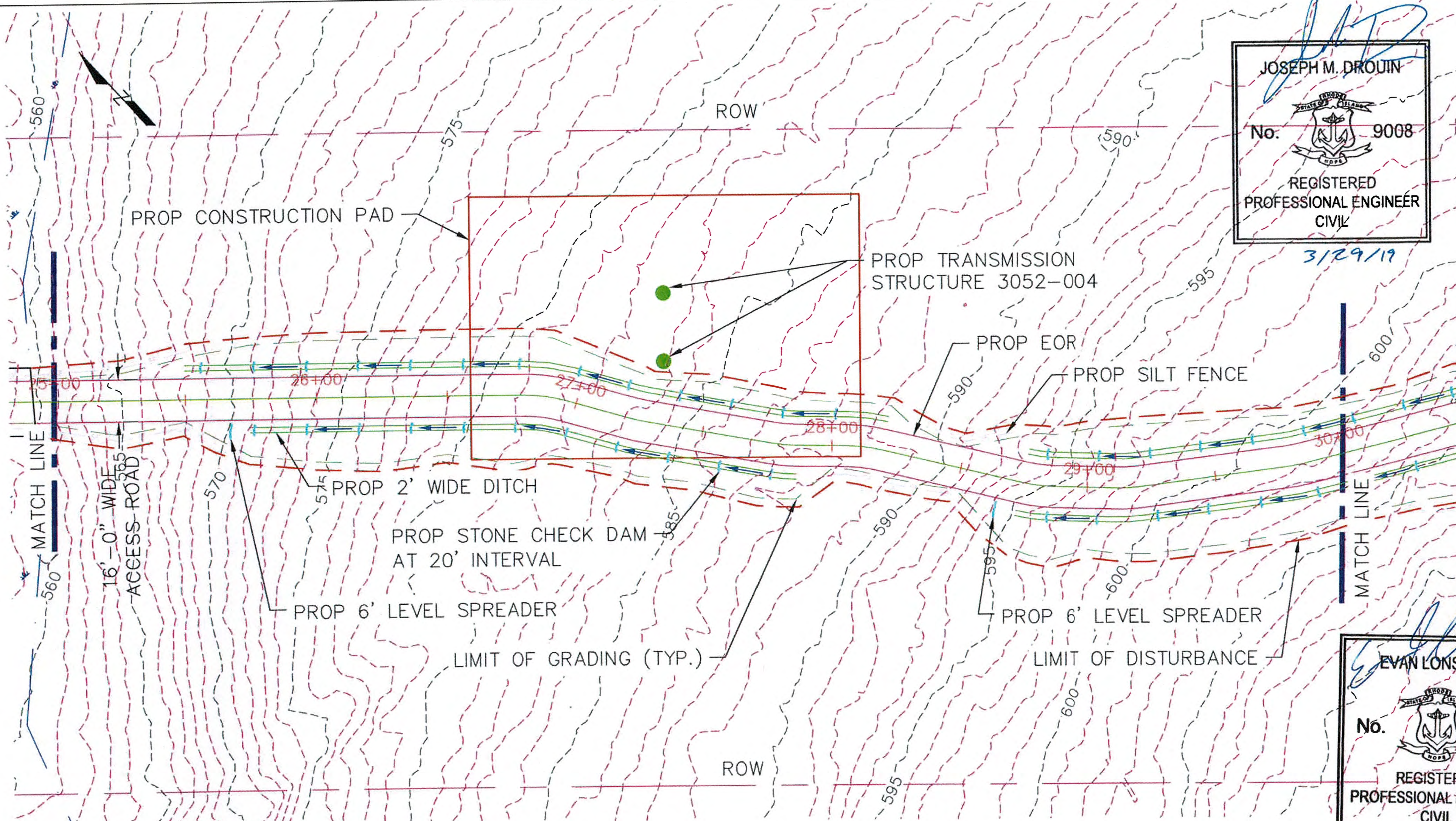
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 43 OF 65	

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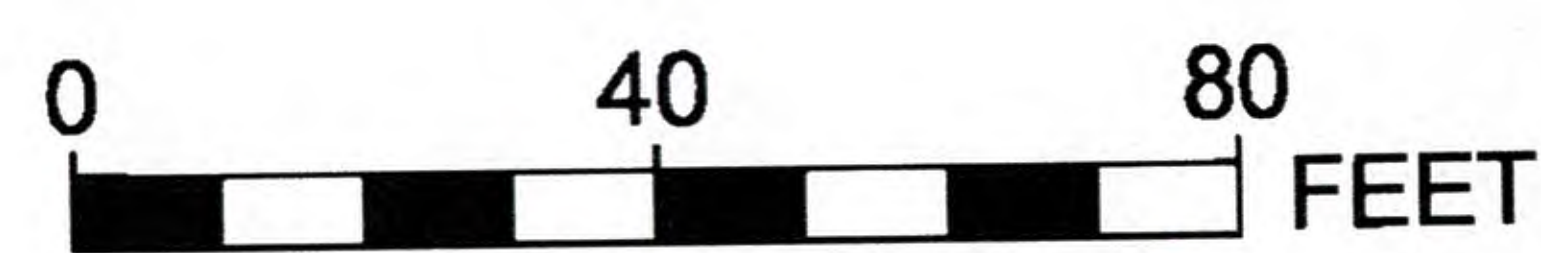
3/29/19



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3/29/19

ROAD PLAN STATION 25+00 TO 30+00
 SCALE: 1"=40'



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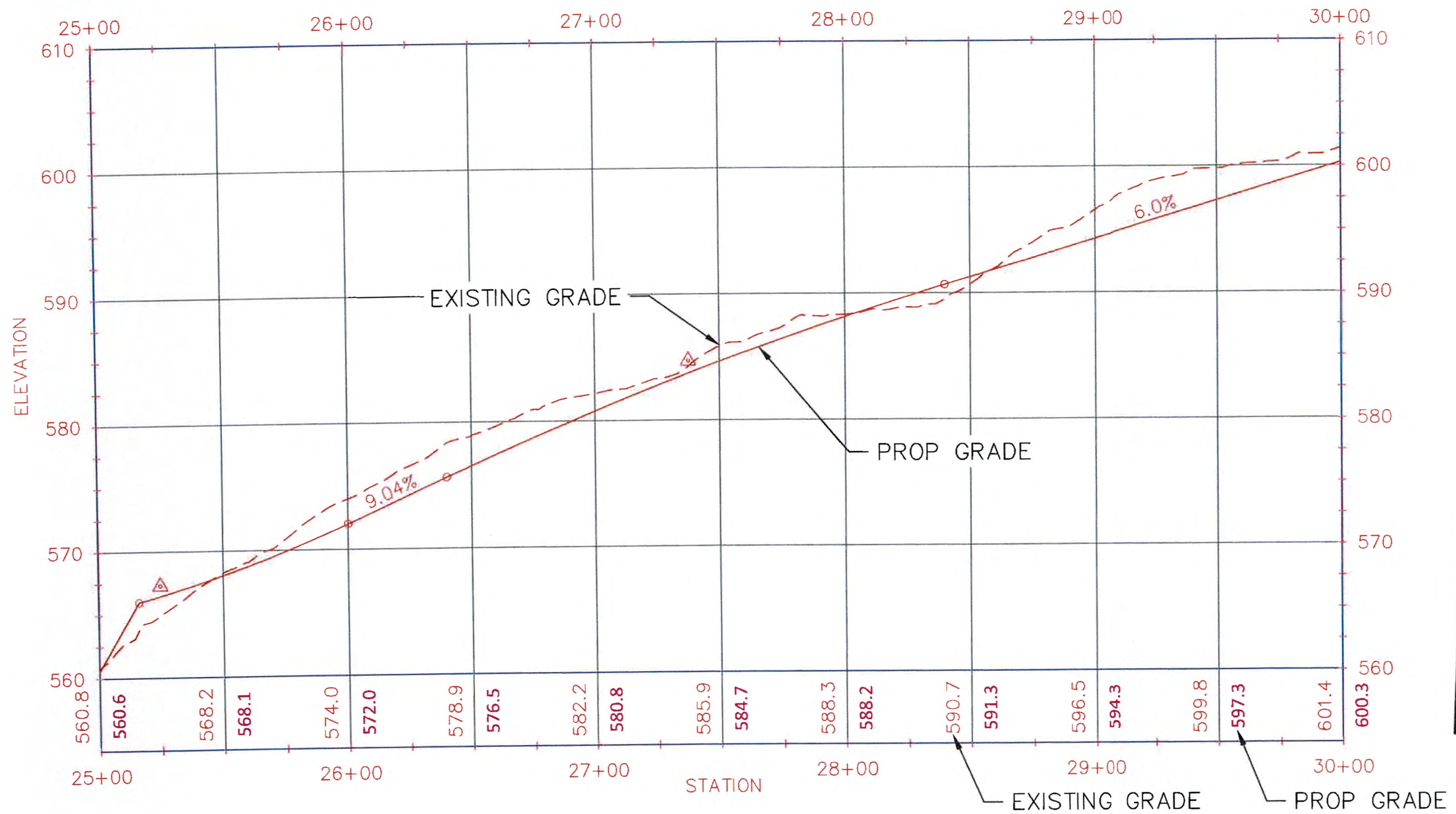
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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 44 OF 65



E. Lonstein
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 CIVIL
 3/29/19

ROAD PROFILE STATION 25+00 TO 30+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

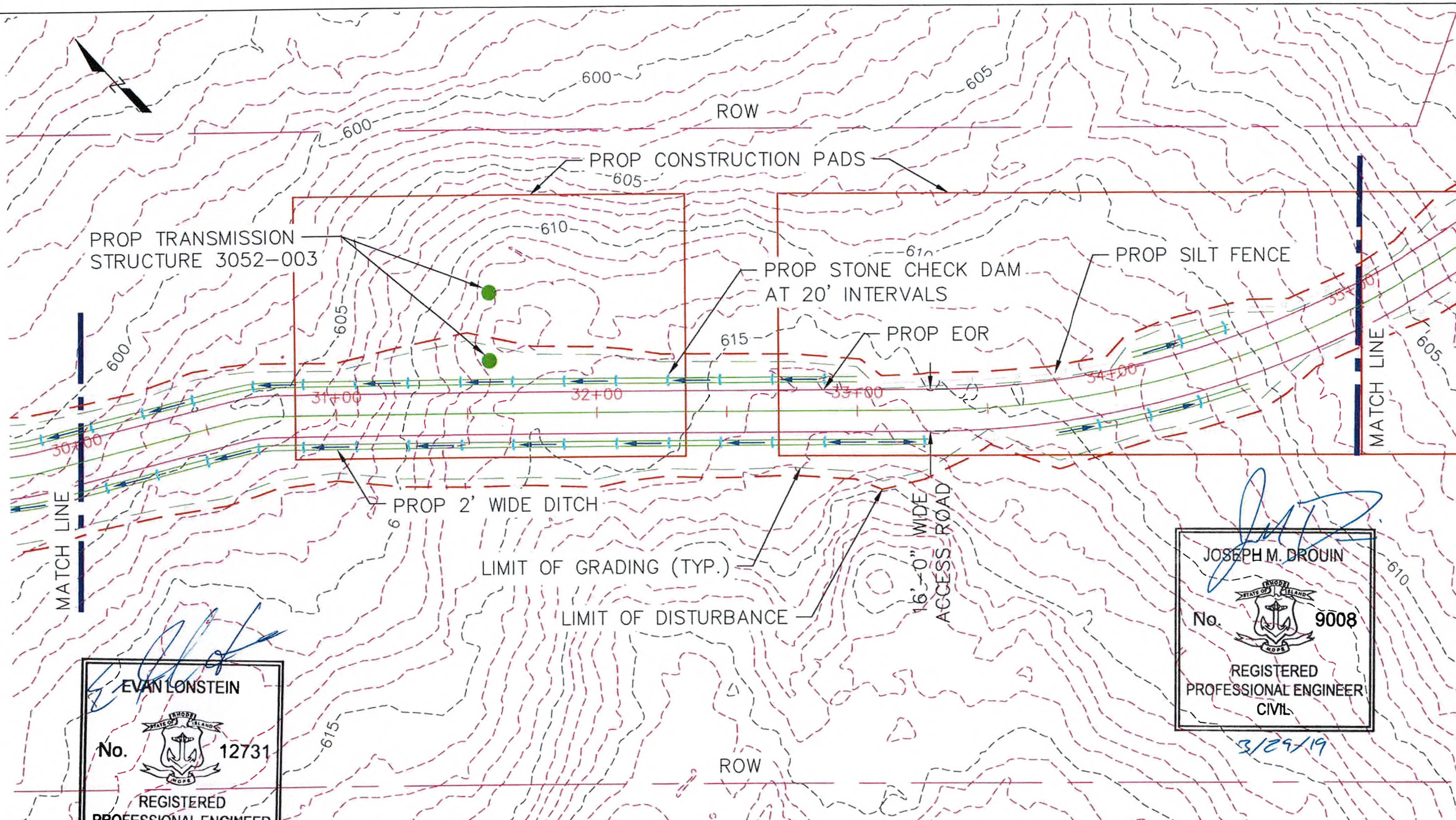
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

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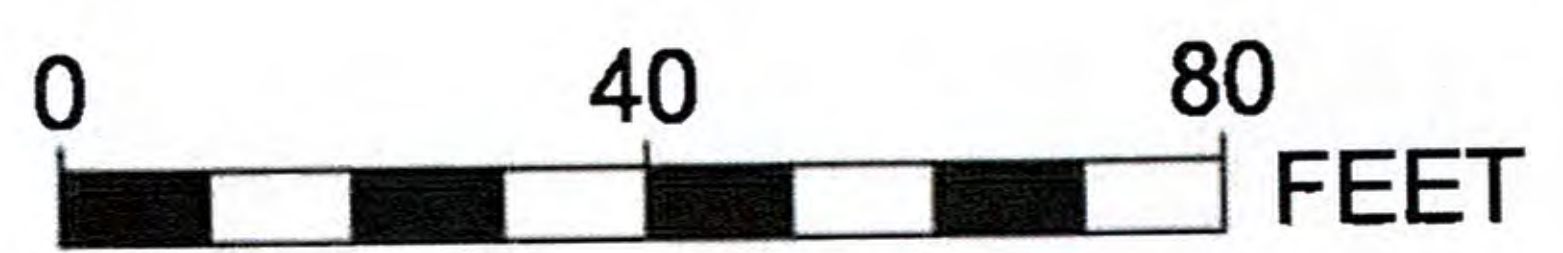
BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 45 OF 65	



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 No. **9008**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

ROAD PLAN STATION 30+00 TO 35+00
 SCALE: 1"=40'



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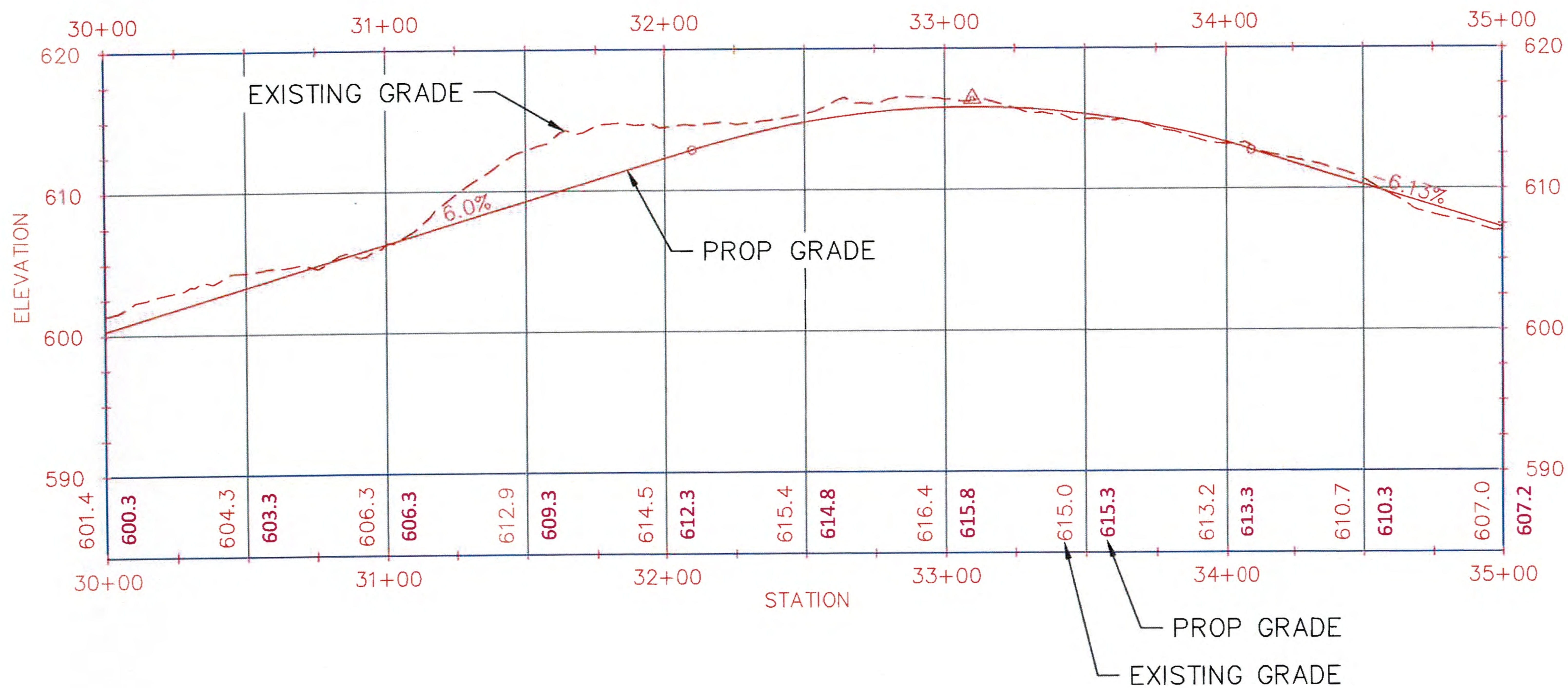
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 46 OF 65

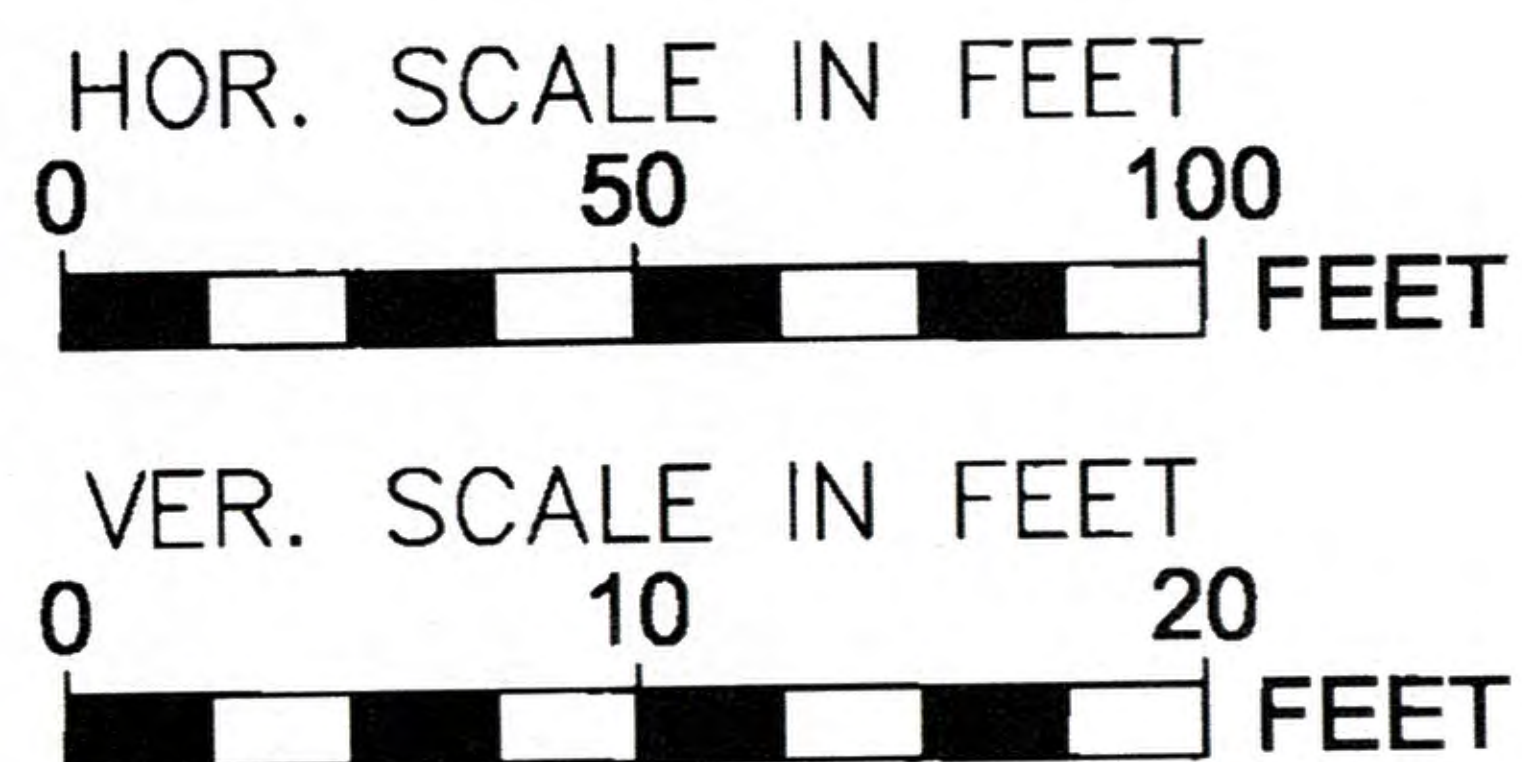


3/29/19

ROAD PROFILE STATION 30+00 TO 35+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

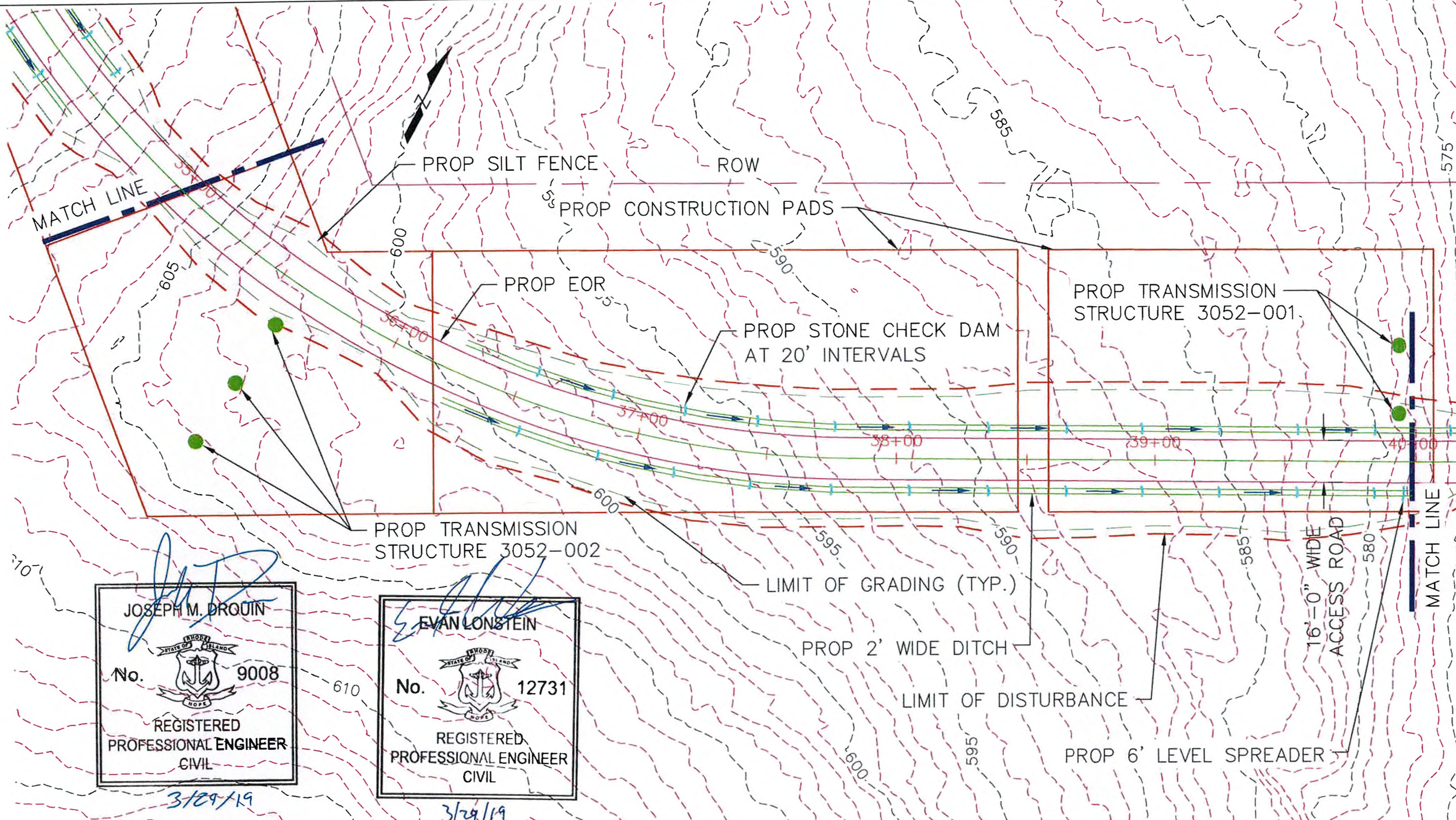
NOT FOR CONSTRUCTION



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Burrillville Interconnection Project The Narragansett Electric Co. & Clear River Energy, LLC		RIDEM and USACE Permit Drawings Proposed Access Road Burrillville, Rhode Island	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4 SHEET 47 OF 65



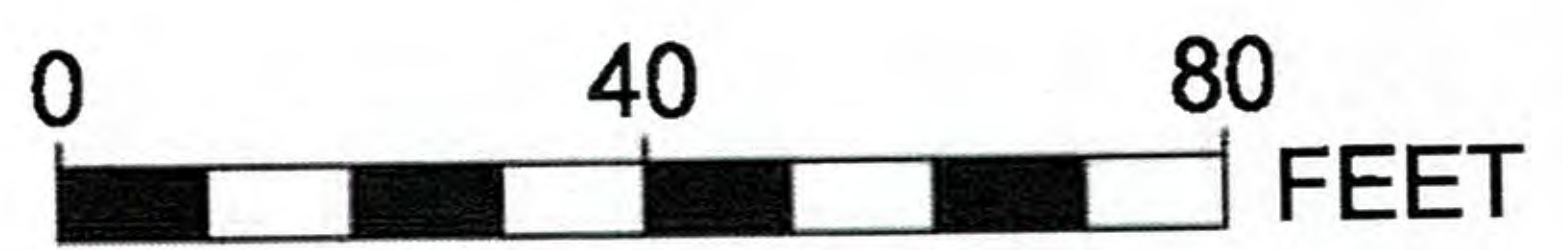
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 3/29/19

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 3/29/19

ROAD PLAN STATION 35+00 TO 40+00
 SCALE: 1"=40'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

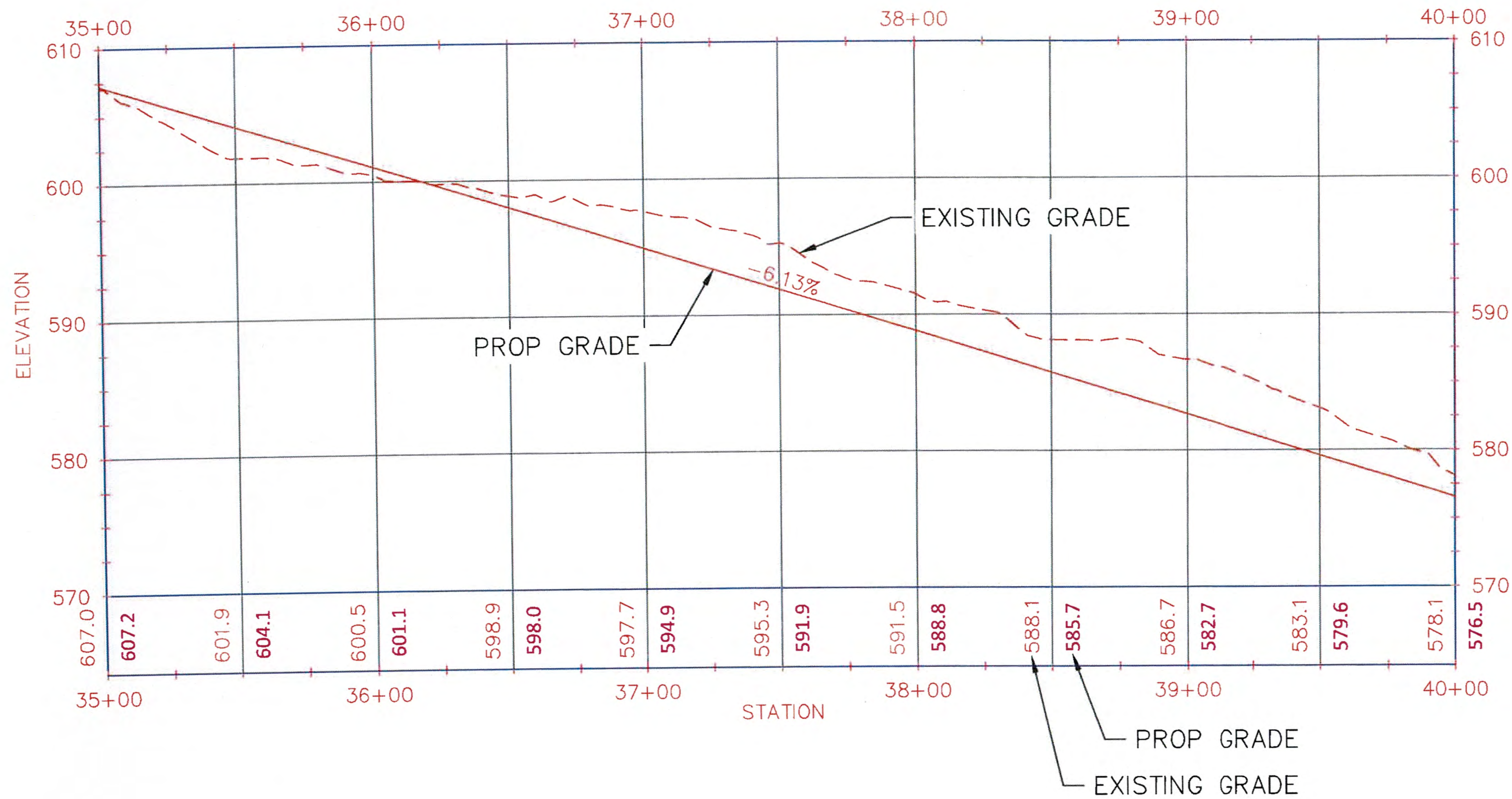


NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
			SHEET 48 OF 65



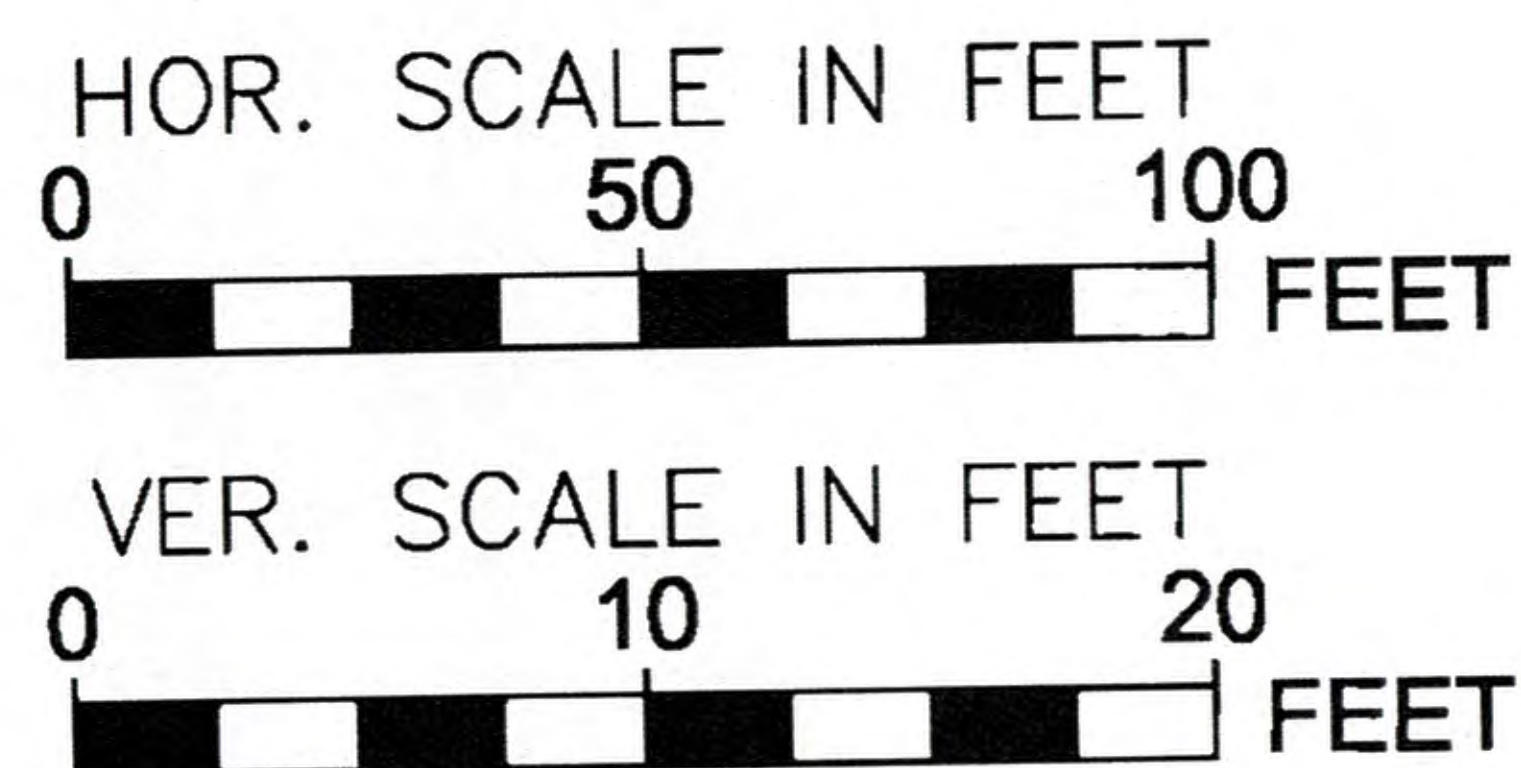
E
 EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

ROAD PROFILE STATION 35+00 TO 40+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

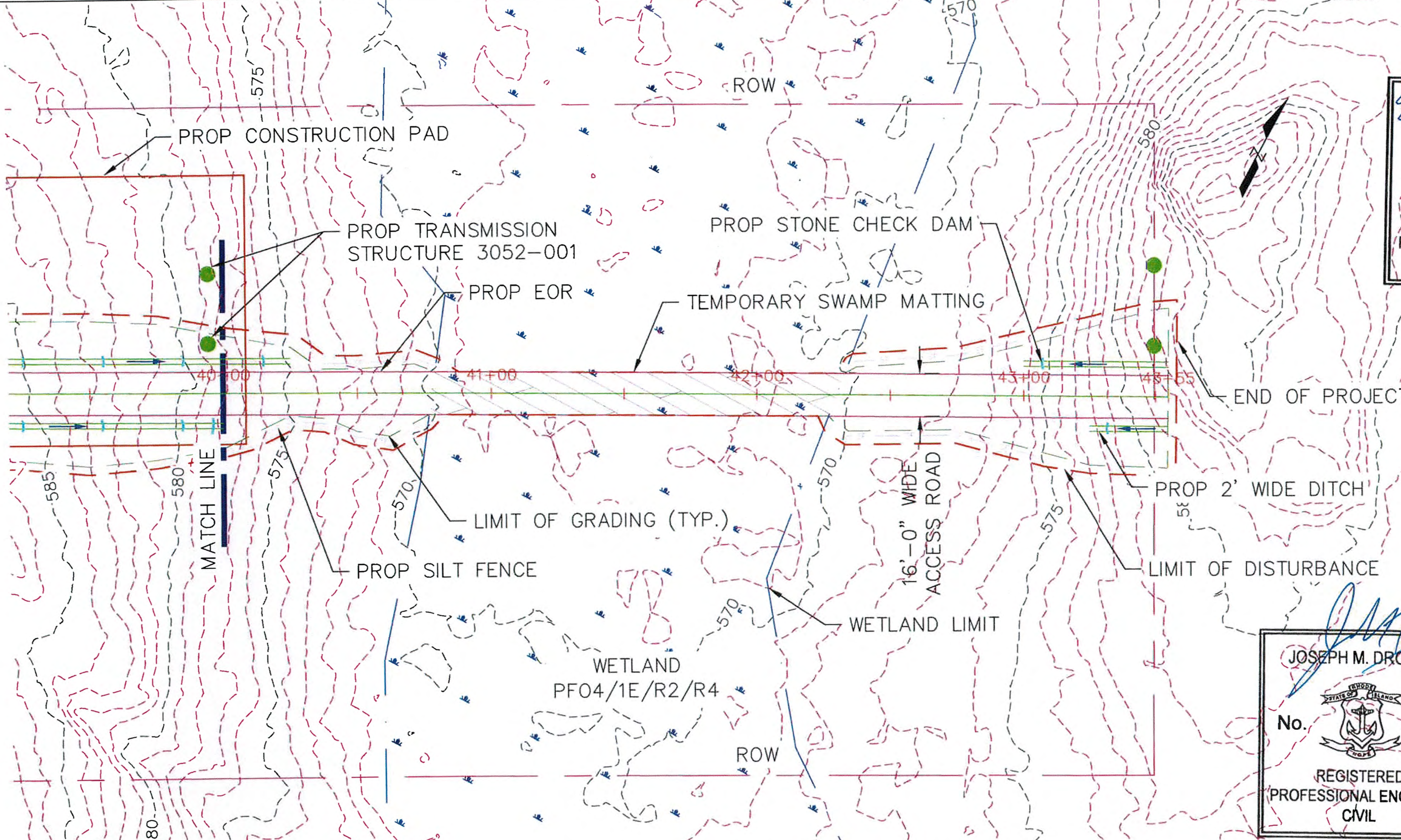
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
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EVAN LONSTEIN
 No. 12731
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 3/29/19

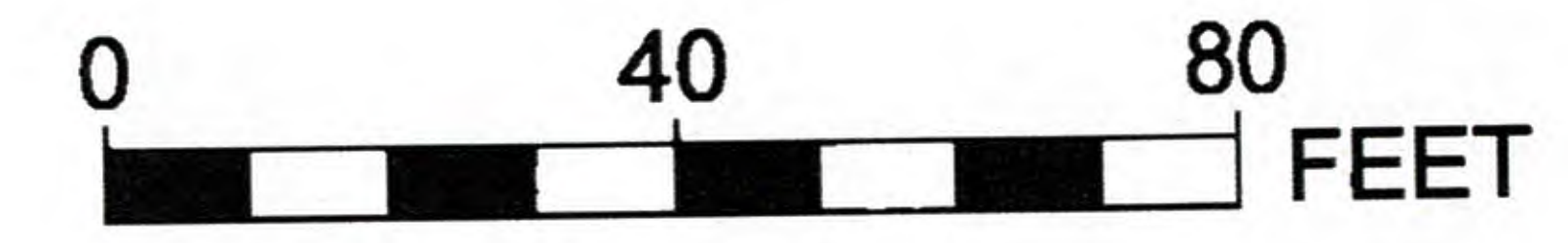
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

ROAD PLAN STATION 40+00 TO 43+55
 SCALE: 1"=40'

NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

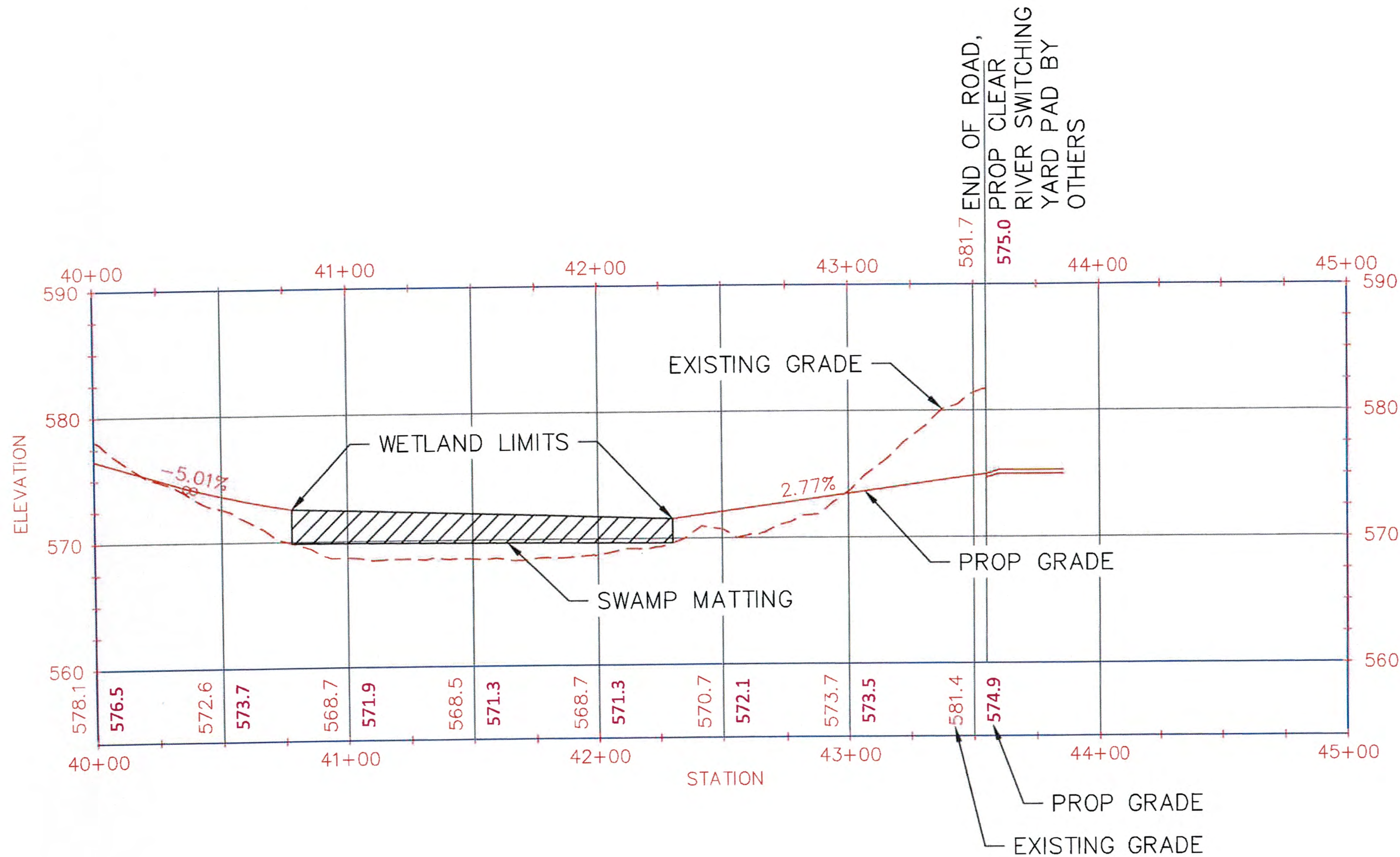
NOT FOR CONSTRUCTION



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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 50 OF 65



Evan Lonstein

EVAN LONSTEIN

No.  12731

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CIVIL

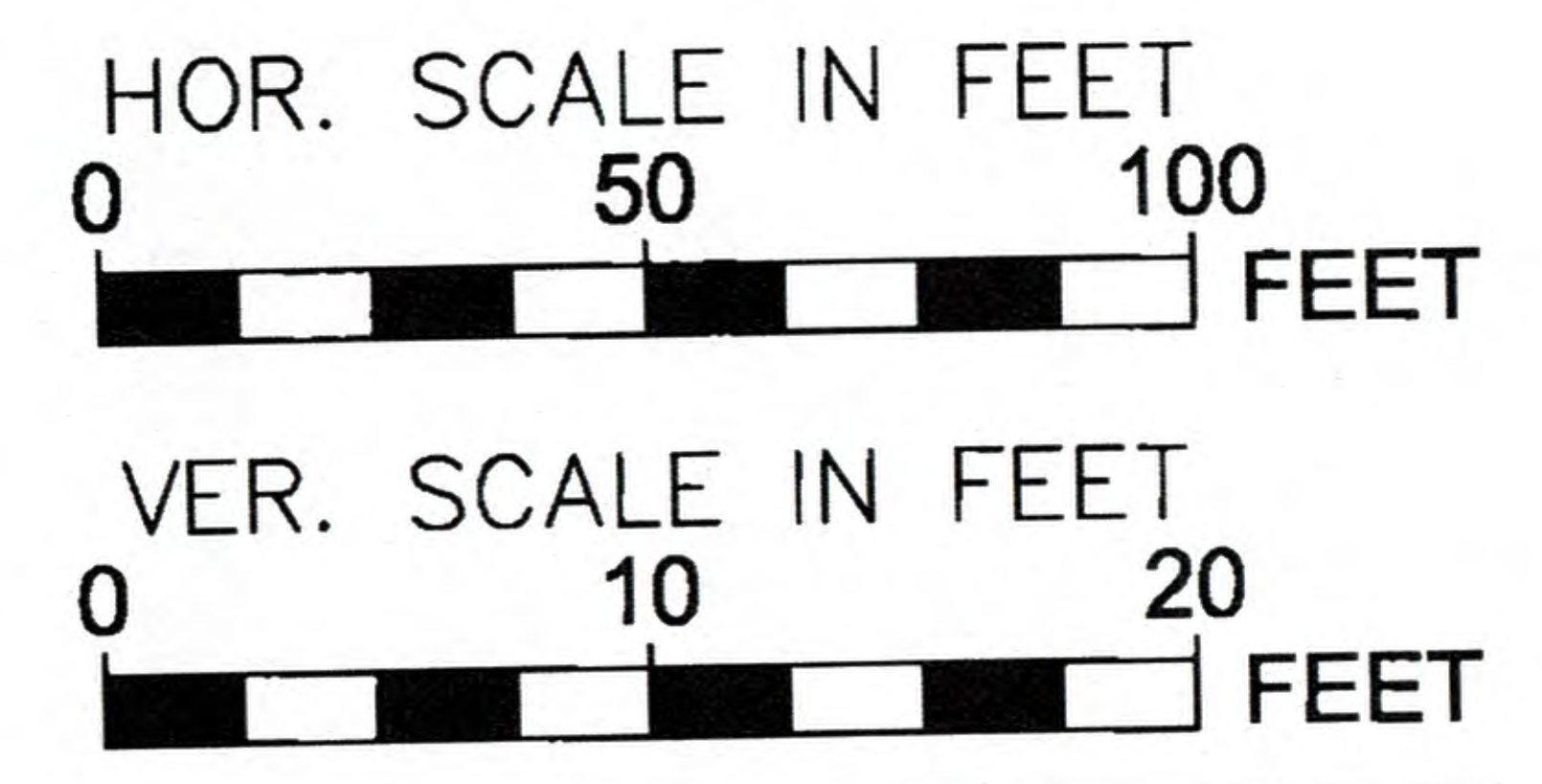
3/29/19

ROAD PROFILE STATION 40+00 TO 45+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=10'

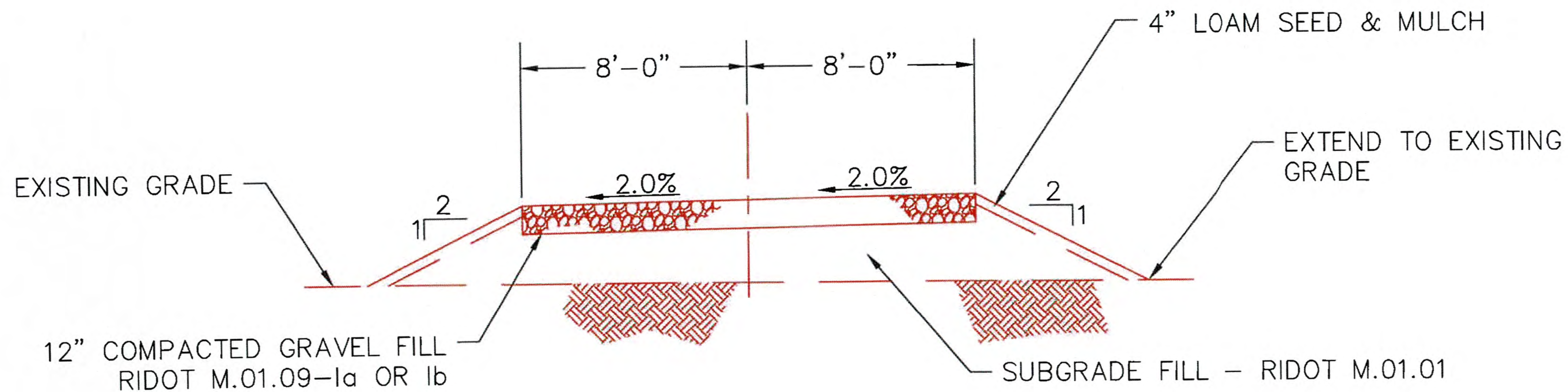
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

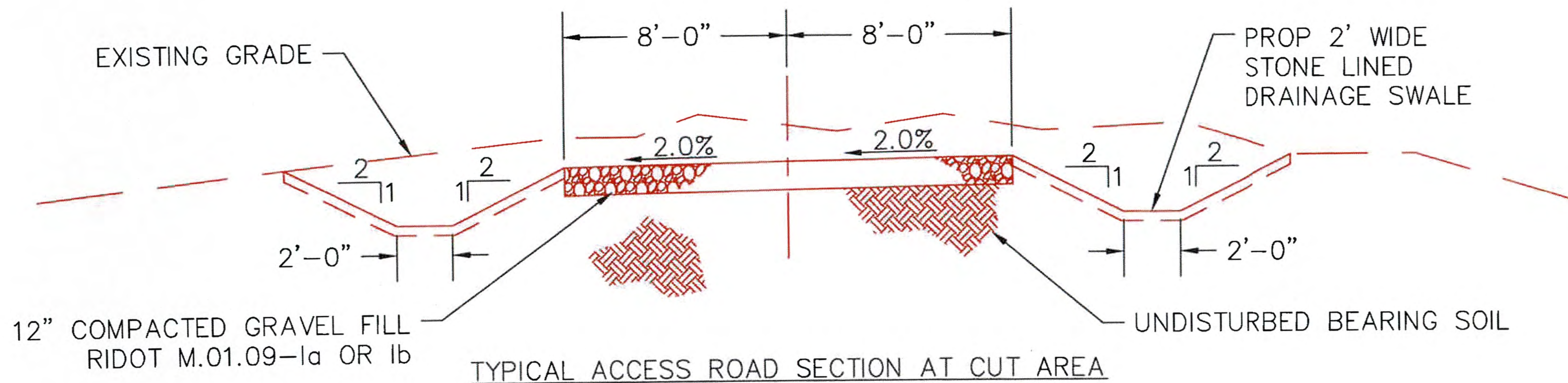
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS PROPOSED ACCESS ROAD BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
			SHEET 51 OF 65




TYPICAL ACCESS ROAD AND SPUR SECTION AT FILL AREA



TYPICAL ACCESS ROAD SECTION AT CUT AREA

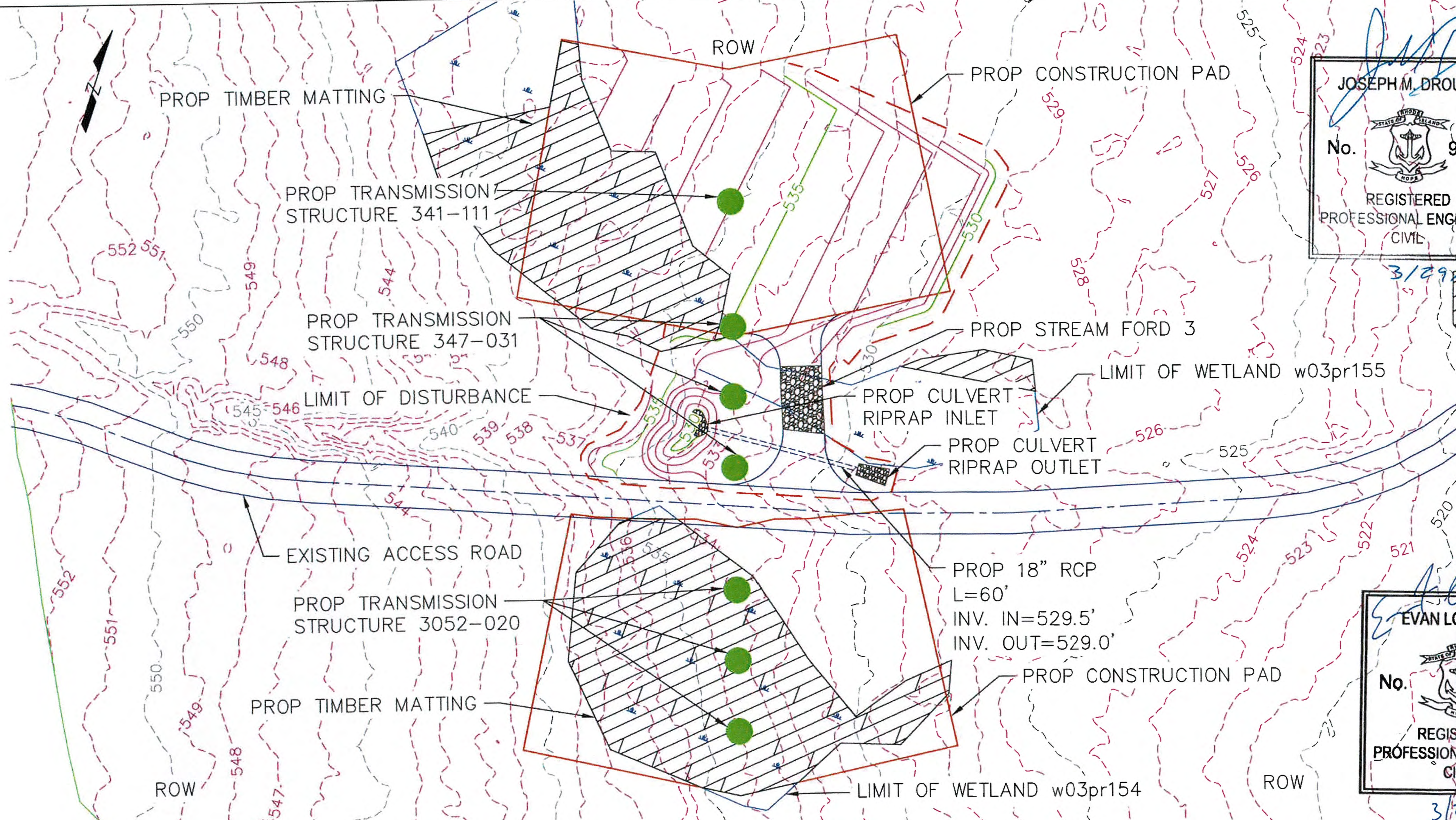
TYPICAL ACCESS ROAD SECTIONS
SCALE: 1"=5'

E. Lonstein
EVAN LONSTEIN
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 CIVIL
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS ACCESS ROAD CROSS SECTIONS BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 52 OF 65



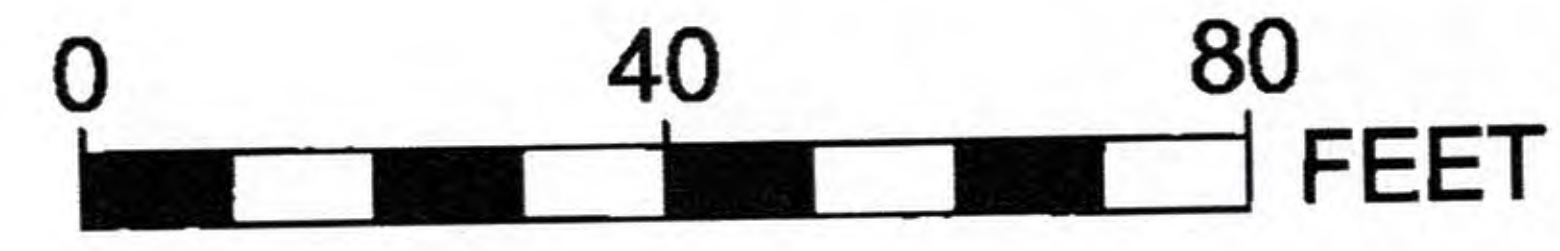
JOSEPH M. DROUIN
 No. 9008
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 3/29/19

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

PROPOSED GRADING PLAN
 AROUND STRUCTURE 347-031
 SCALE: 1"=40'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION



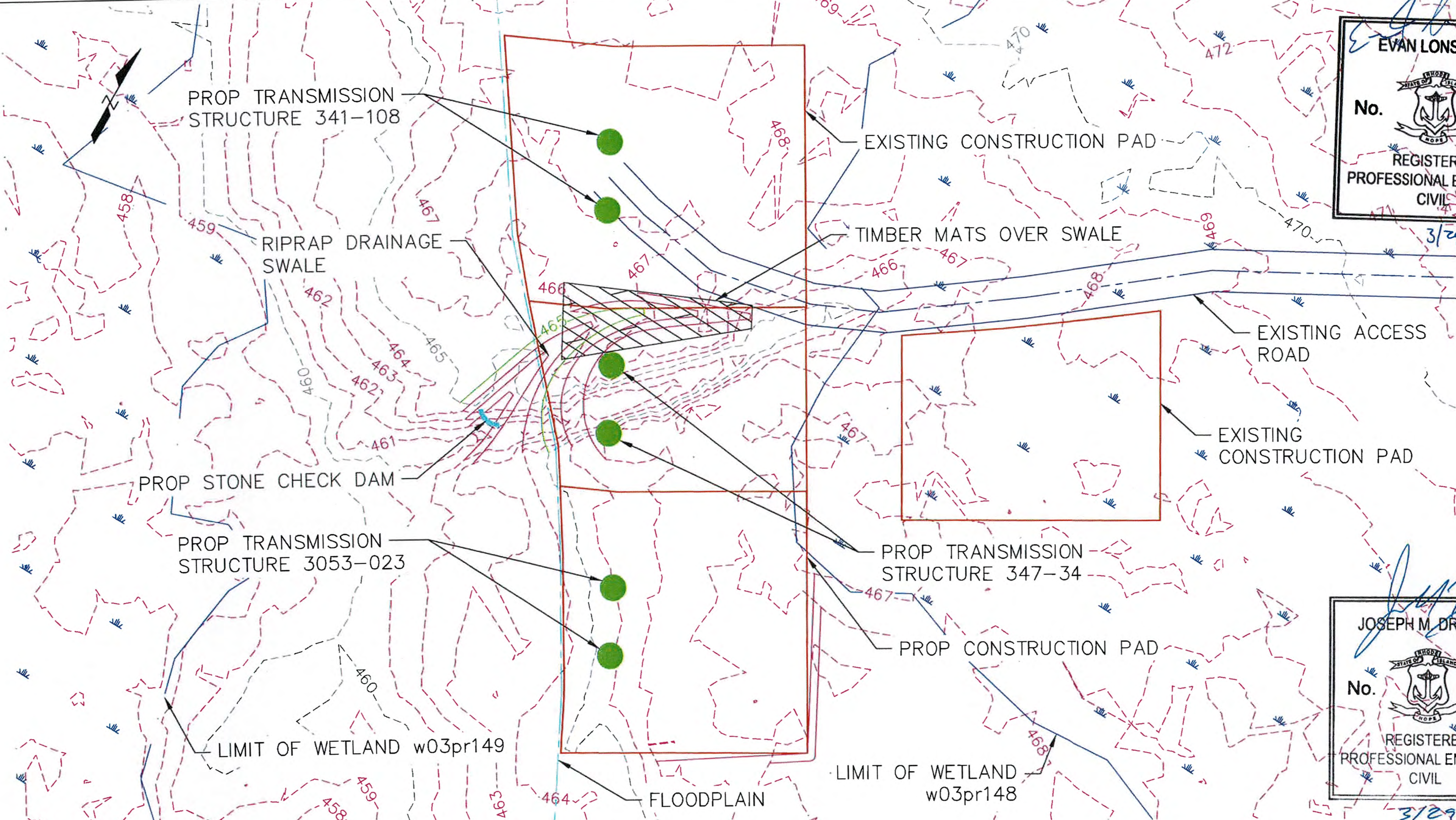
NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS CONSTRUCTION PAD GRADING BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 53 OF 65	

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

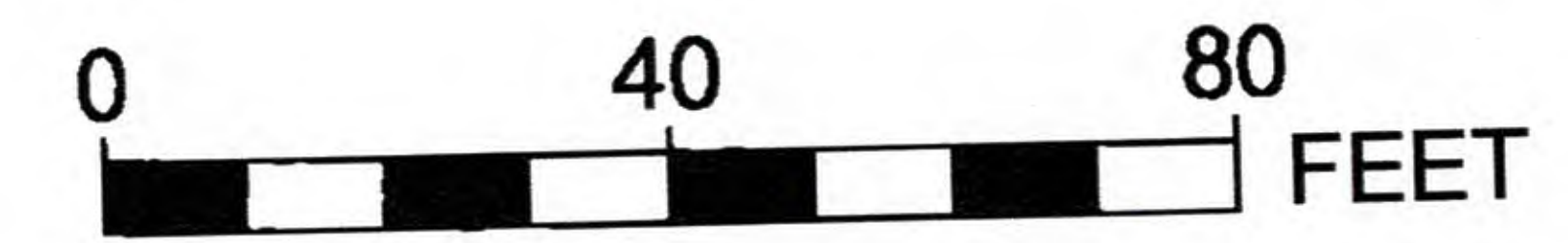
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19



**PROPOSED GRADING PLAN
 AROUND STRUCTURE 347-034
 SCALE: 1"=40'**

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

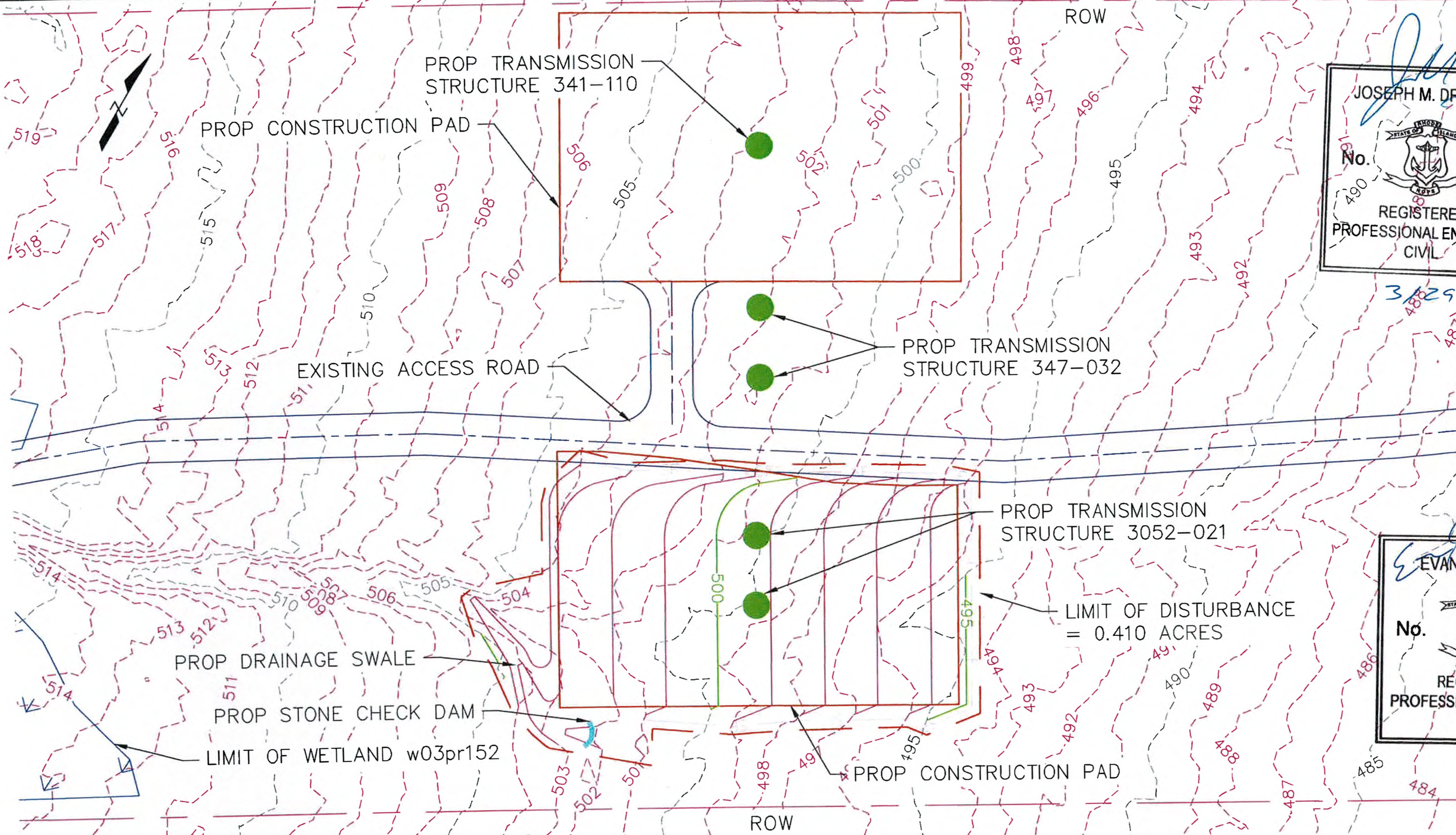


NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS CONSTRUCTION PAD GRADING BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 54 OF 65	



JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL

3/29/19

EVAN LONSTEIN
 No. 12731
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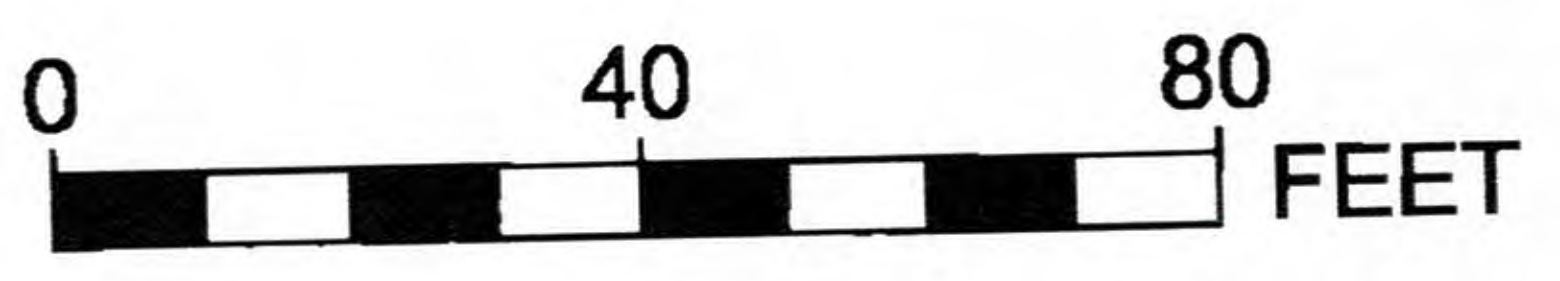
3/29/19

PROPOSED GRADING PLAN
 AROUND STRUCTURE 3052-021
 SCALE: 1"=40'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

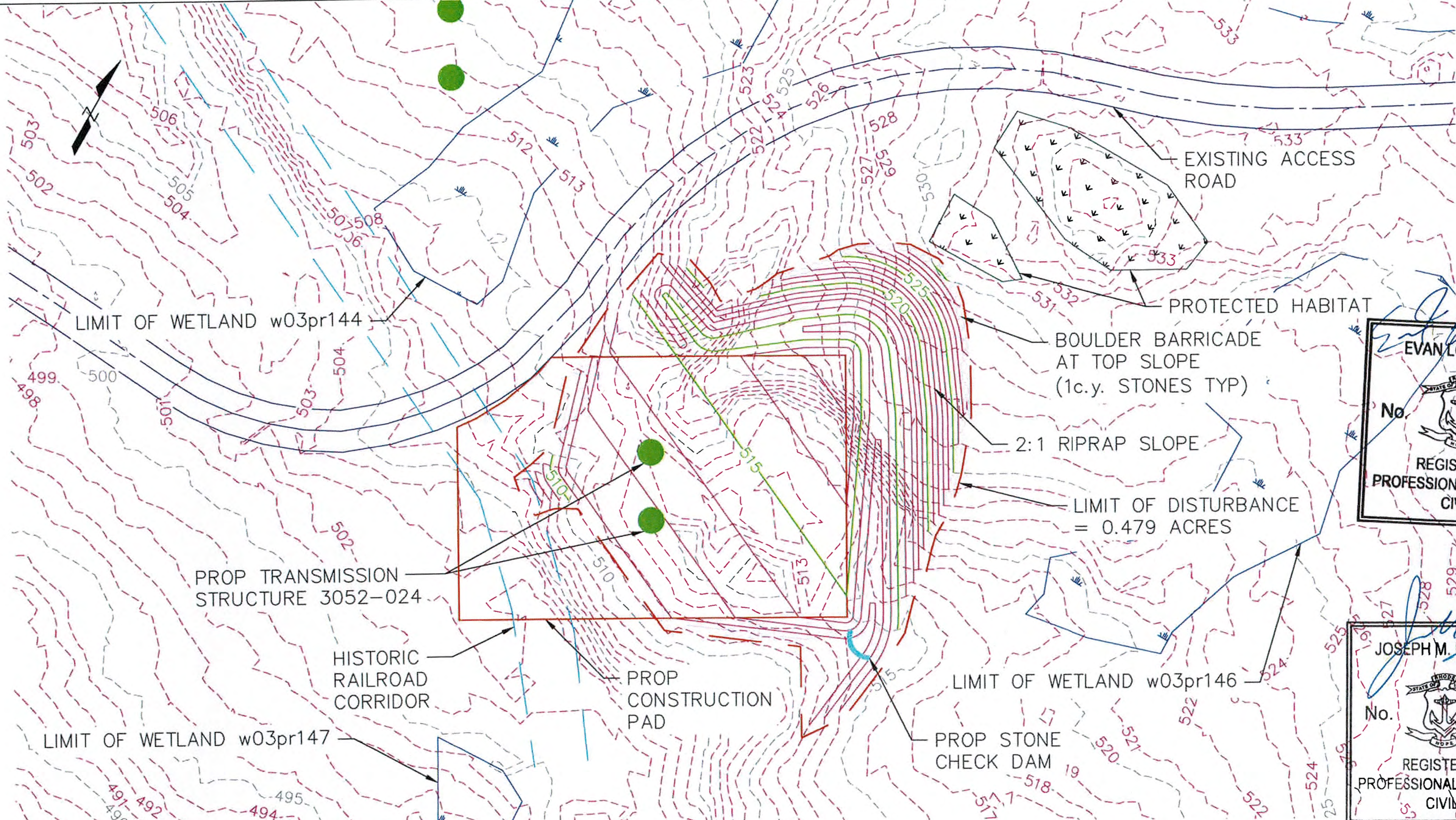
NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.



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DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4	SHEET 55 OF 65



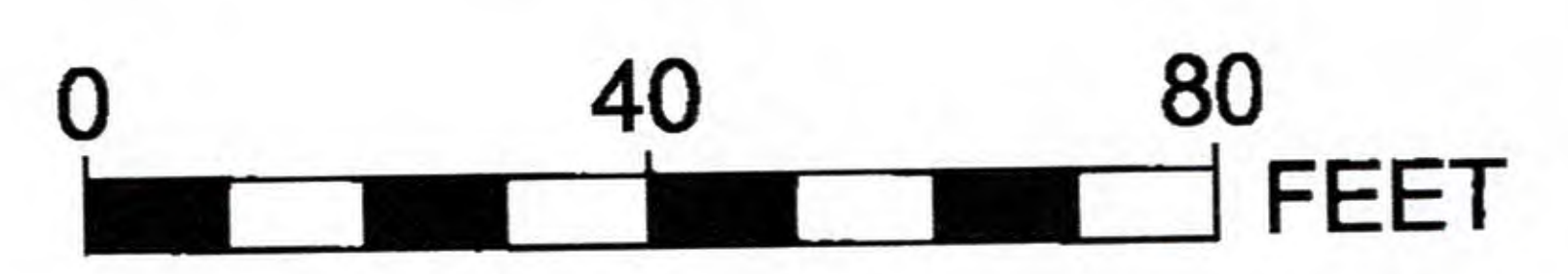
[Signature]
EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

[Signature]
JOSEPH M. DROUTIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

**PROPOSED GRADING PLAN
 AROUND STRUCTURE 3052-024
 SCALE: 1"=40'**

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

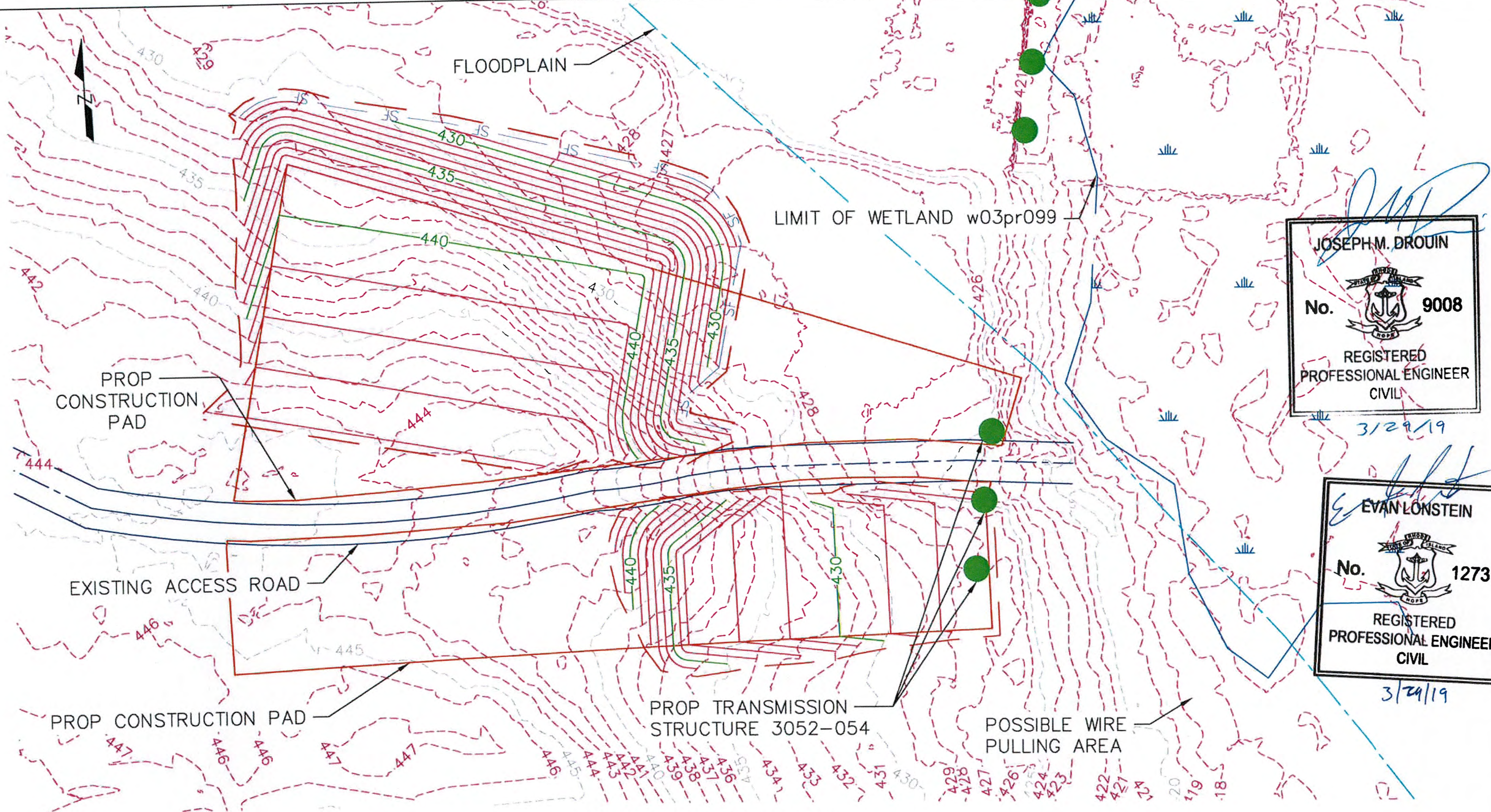
NOT FOR CONSTRUCTION



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NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS CONSTRUCTION PAD GRADING BURRILLVILLE, RHODE ISLAND	
DATE: 3/22/2017	DRAWN: RST	142704	FIGURE T-4
		SHEET 56 OF 65	



JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

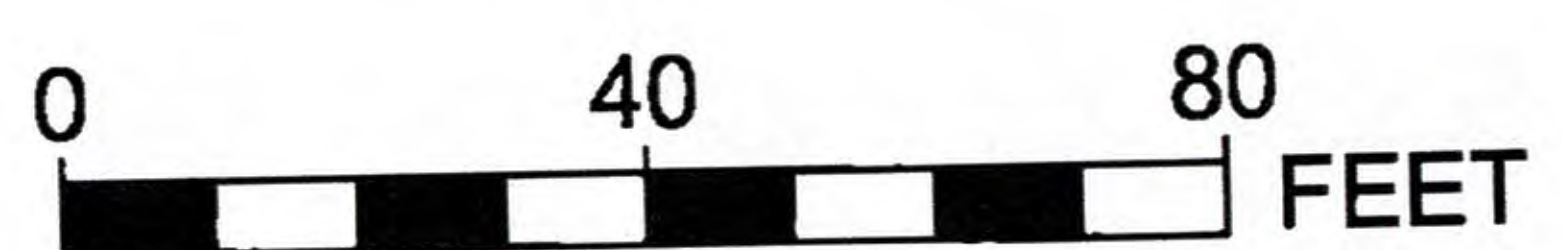
EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

**PROPOSED GRADING PLAN
 AROUND STRUCTURE 3052-054**
 SCALE: 1"=40'

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

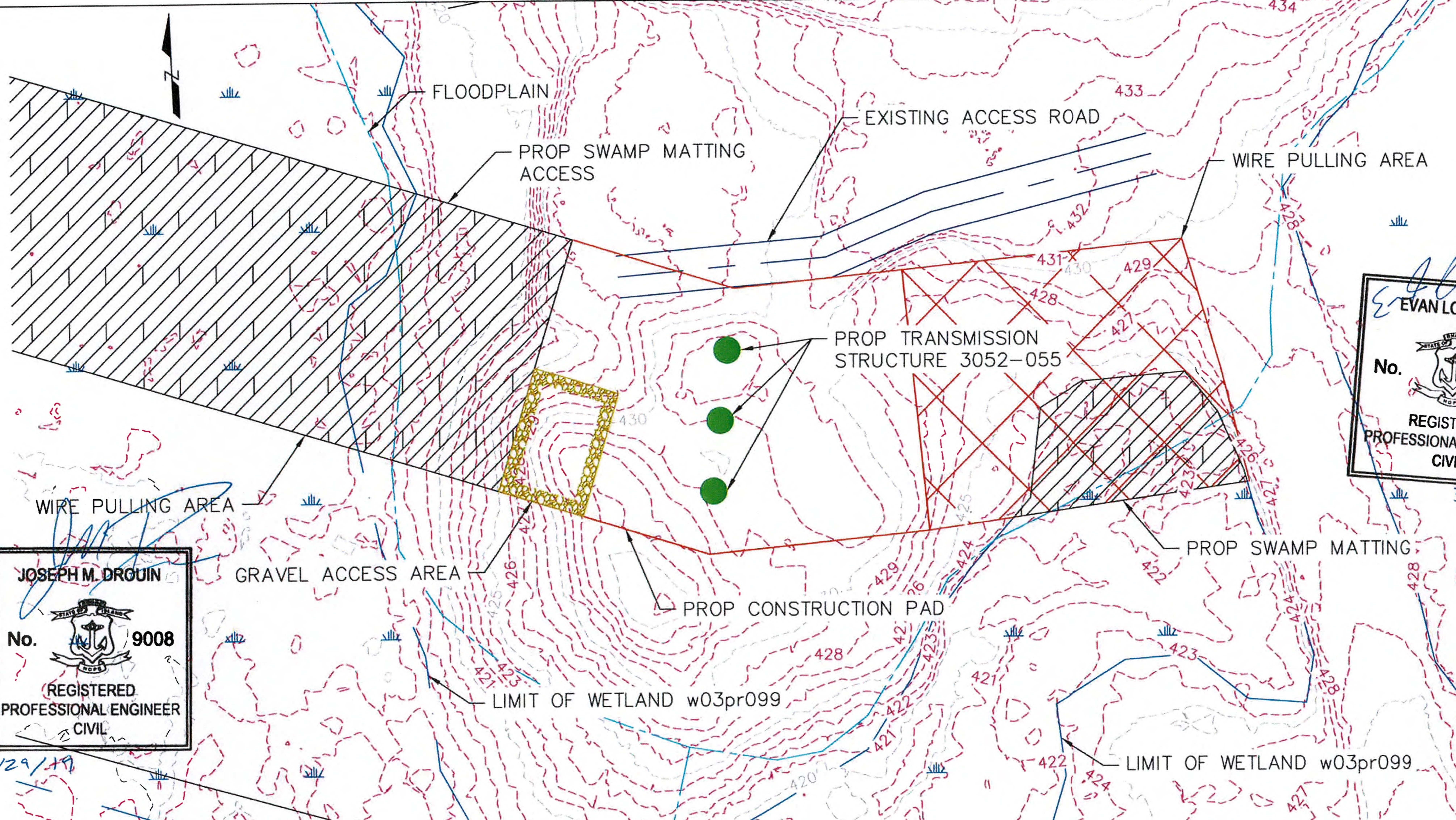
NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.



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DATE: 03/07/2018	DRAWN: RST	142704	FIGURE T-4
		SHEET 57 OF 65	



E. Lonstein
EVAN LONSTEIN
 No. **12731**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

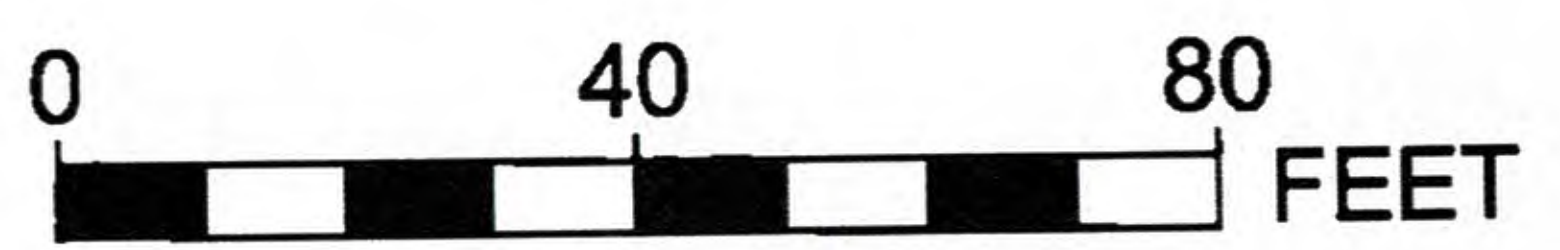
J. Drogin
JOSEPH M. DROGIN
 No. **9008**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

**PROPOSED GRADING PLAN
 AROUND STRUCTURE 3052-055
 SCALE: 1"=40'**

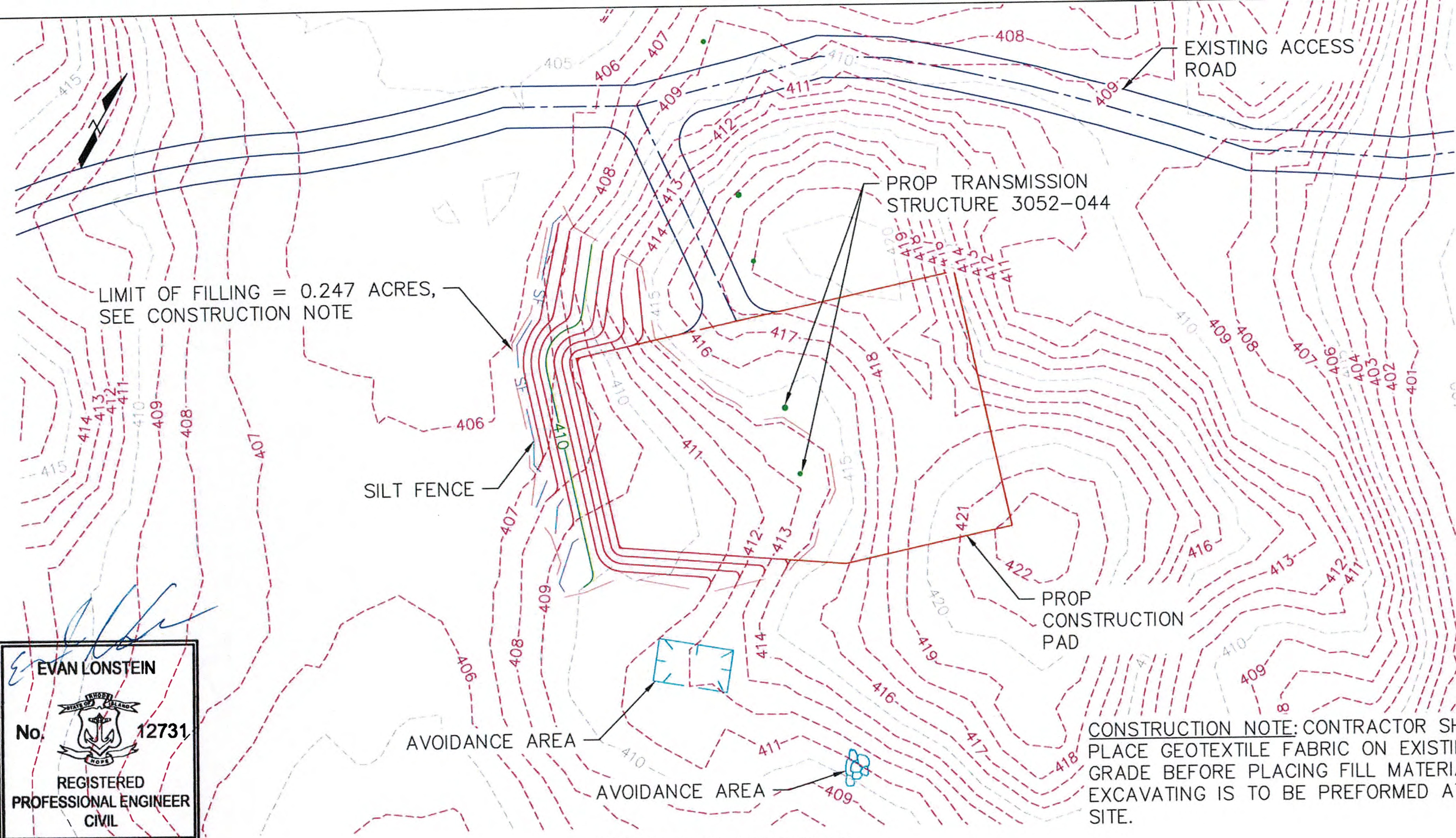
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS CONSTRUCTION PAD GRADING BURRILLVILLE, RHODE ISLAND	
DATE: 03/07/2018	DRAWN: RST	142704	FIGURE T-4 SHEET 58 OF 65



CONSTRUCTION NOTE: CONTRACTOR SHALL PLACE GEOTEXTILE FABRIC ON EXISTING GRADE BEFORE PLACING FILL MATERIAL. NO EXCAVATING IS TO BE PREFORMED AT THIS SITE.

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

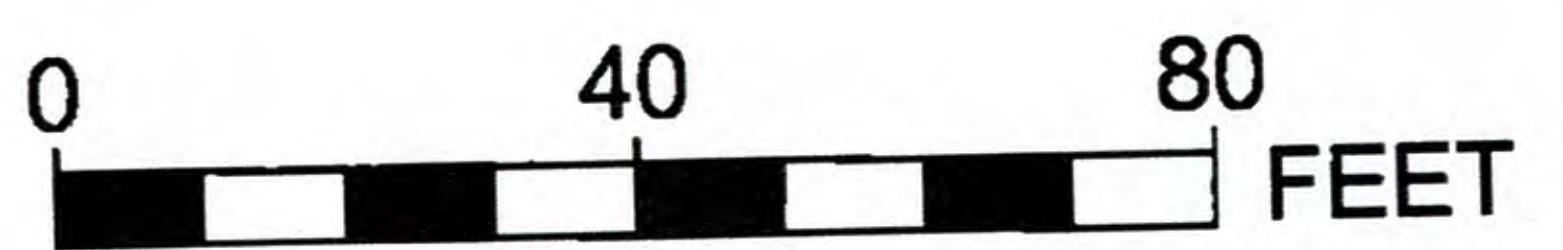
NOT FOR CONSTRUCTION

PROPOSED GRADING PLAN
AROUND STRUCTURE 3052-044
SCALE: 1"=40'

NOTE: THE LIMITS OF GRADING SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. EXISTING GRADES ARE BASED OFF LIDAR SURVEY. LIMITS OF ROW SHOWN ARE APPROXIMATE. RHODE ISLAND PE SEAL 9008 IS APPLICABLE ONLY TO THE PROPOSED TRANSMISSION STRUCTURE LOCATIONS SHOWN. PROPOSED TRANSMISSION STRUCTURE LOCATIONS ARE APPROXIMATE.

Evan Lonstein
EVAN LONSTEIN
 No. **12731**
 REGISTERED PROFESSIONAL ENGINEER
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3/29/19



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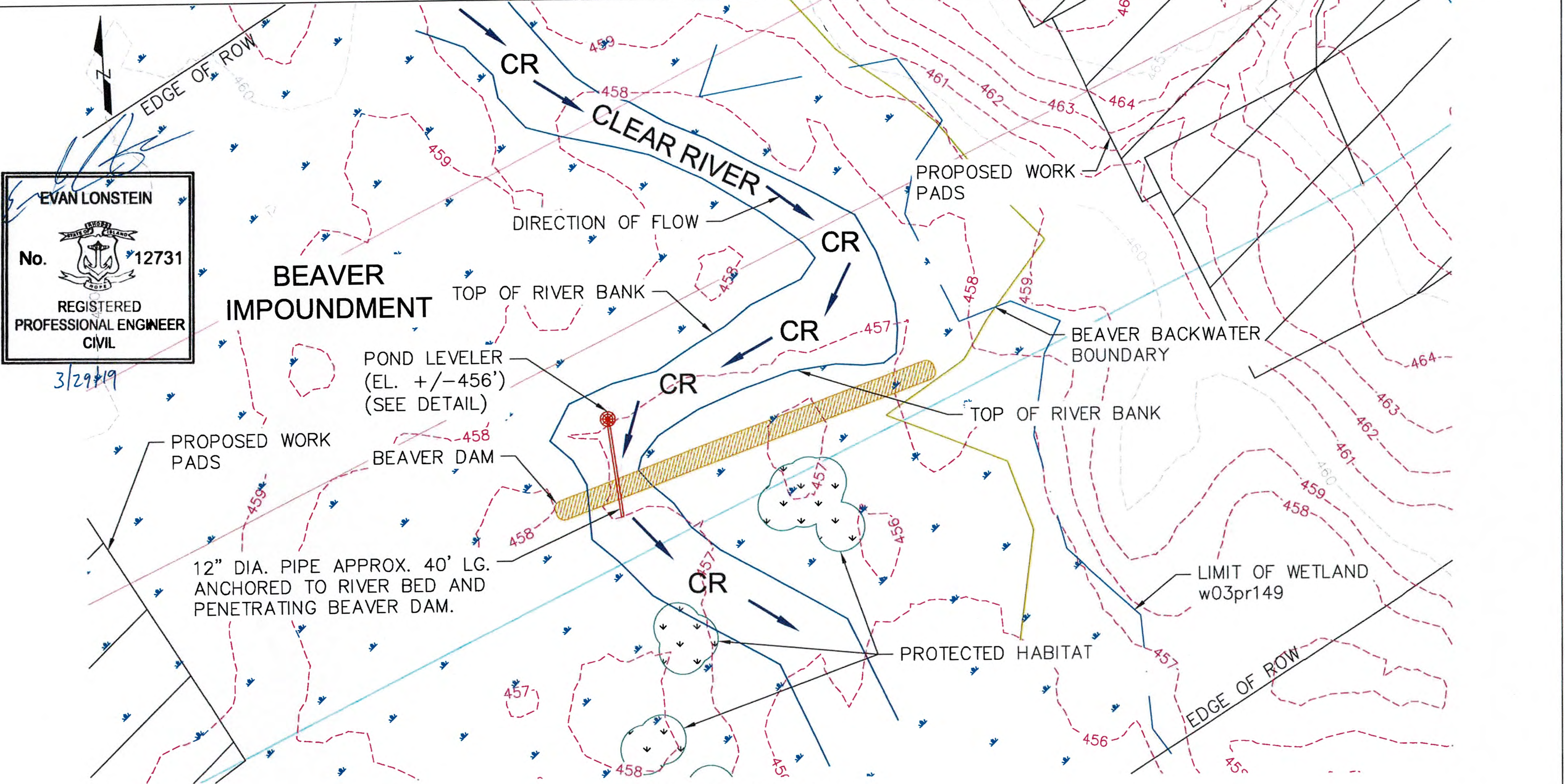


BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS CONSTRUCTION PAD GRADING BURRILLVILLE, RHODE ISLAND	
DATE: 03/07/2018	DRAWN: RST	142704	FIGURE T-4	SHEET 59 OF 65

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL

3/29/19

BEAVER IMPOUNDMENT



12" DIA. PIPE APPROX. 40' LG. ANCHORED TO RIVER BED AND PENETRATING BEAVER DAM.

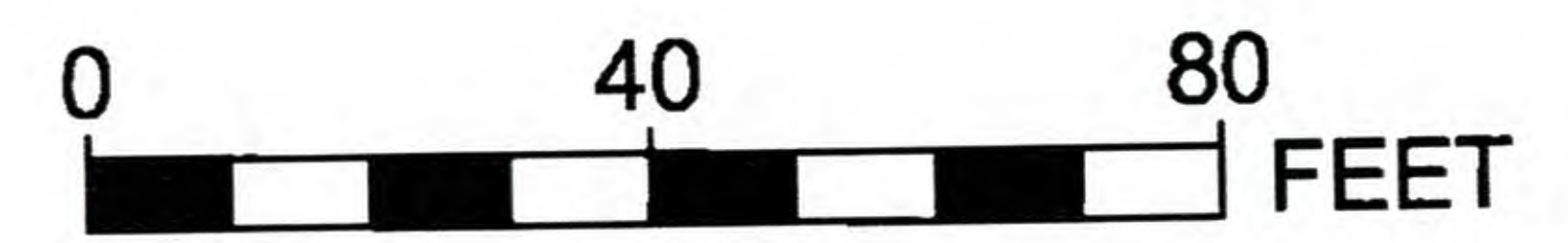
POND LEVELER (EL. +/-456') (SEE DETAIL)

POND LEVELER PLAN FOR CLEAR RIVER
 SCALE: 1"=40'

NOTE: WATER LEVELING DEVICE IS TO BE INSTALLED WITHIN THE BEAVER IMPOUNDMENT AT AN ELEVATION TO MAINTAIN AMBIENT FLOW WITHIN THE CLEAR RIVER, AND IS TO BE DETERMINED BASED ON FIELD CONDITIONS DURING PROJECT CONSTRUCTION. THE WATER LEVELING DEVICE IS TO BE SET AT APPROXIMATE ELEVATION +/- 456 FEET.

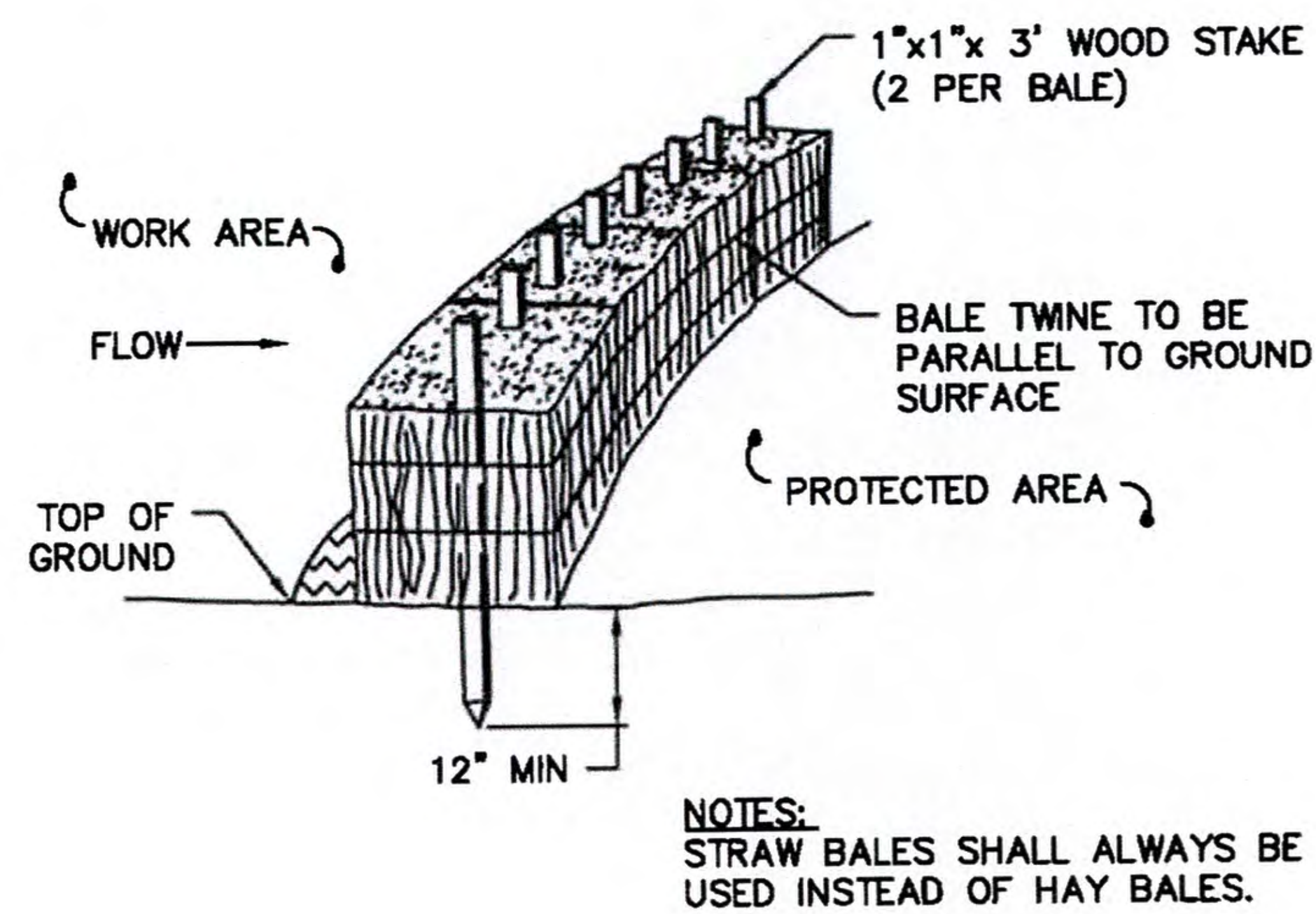
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

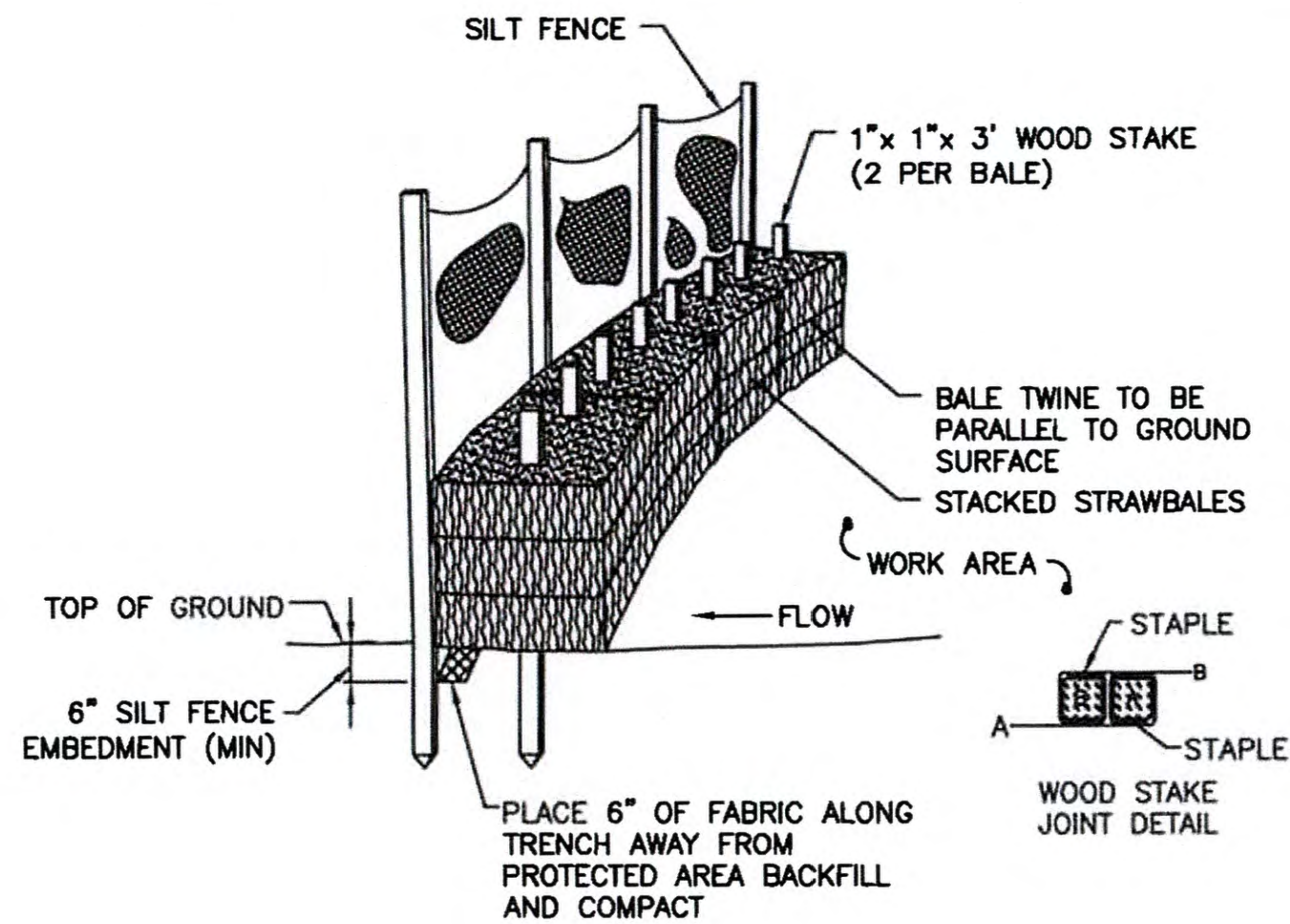


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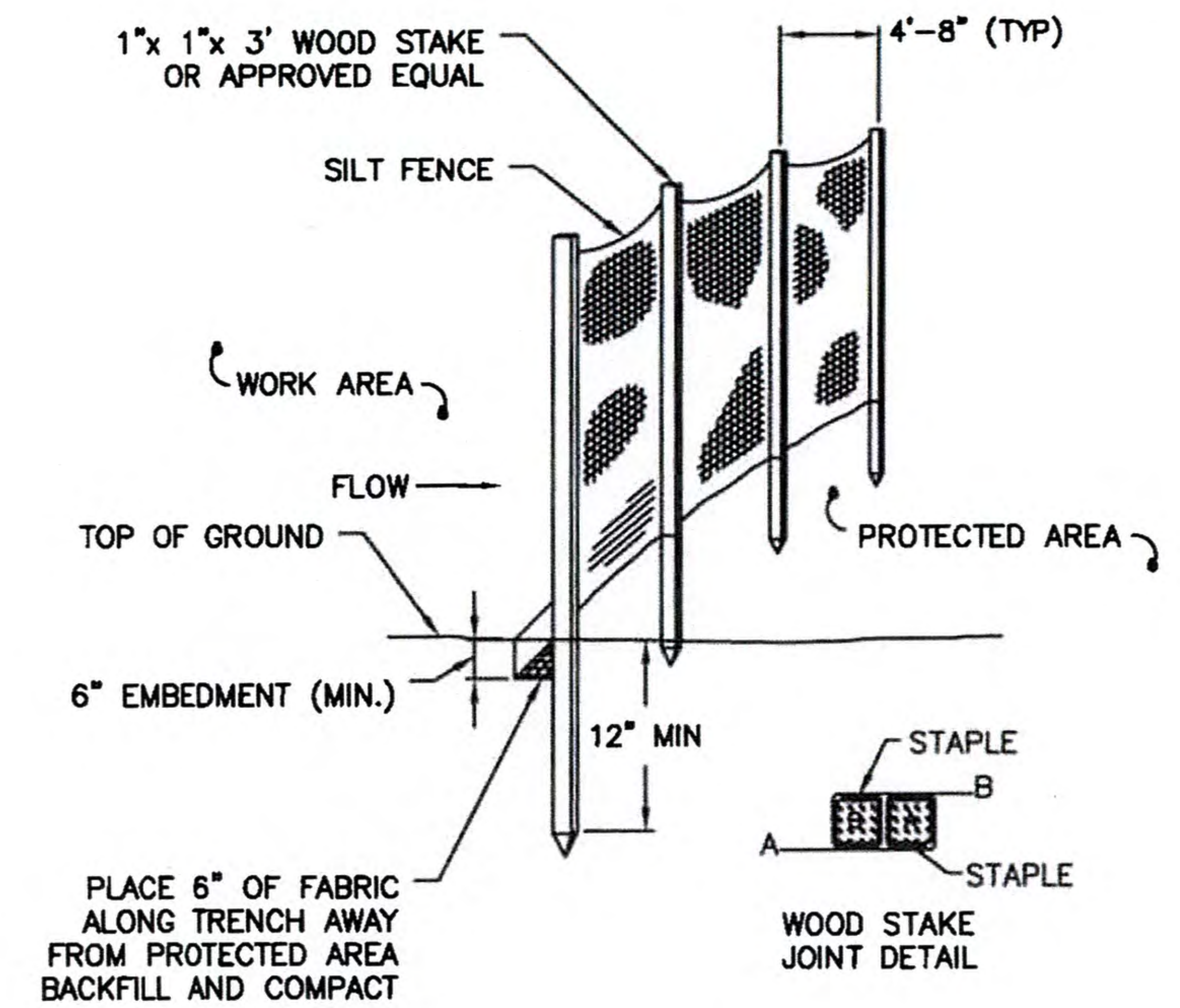
BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS CONSTRUCTION PAD GRADING BURRILLVILLE, RHODE ISLAND	
DATE: 03/07/2018	DRAWN: RST	142704	FIGURE T-4	SHEET 60 OF 65



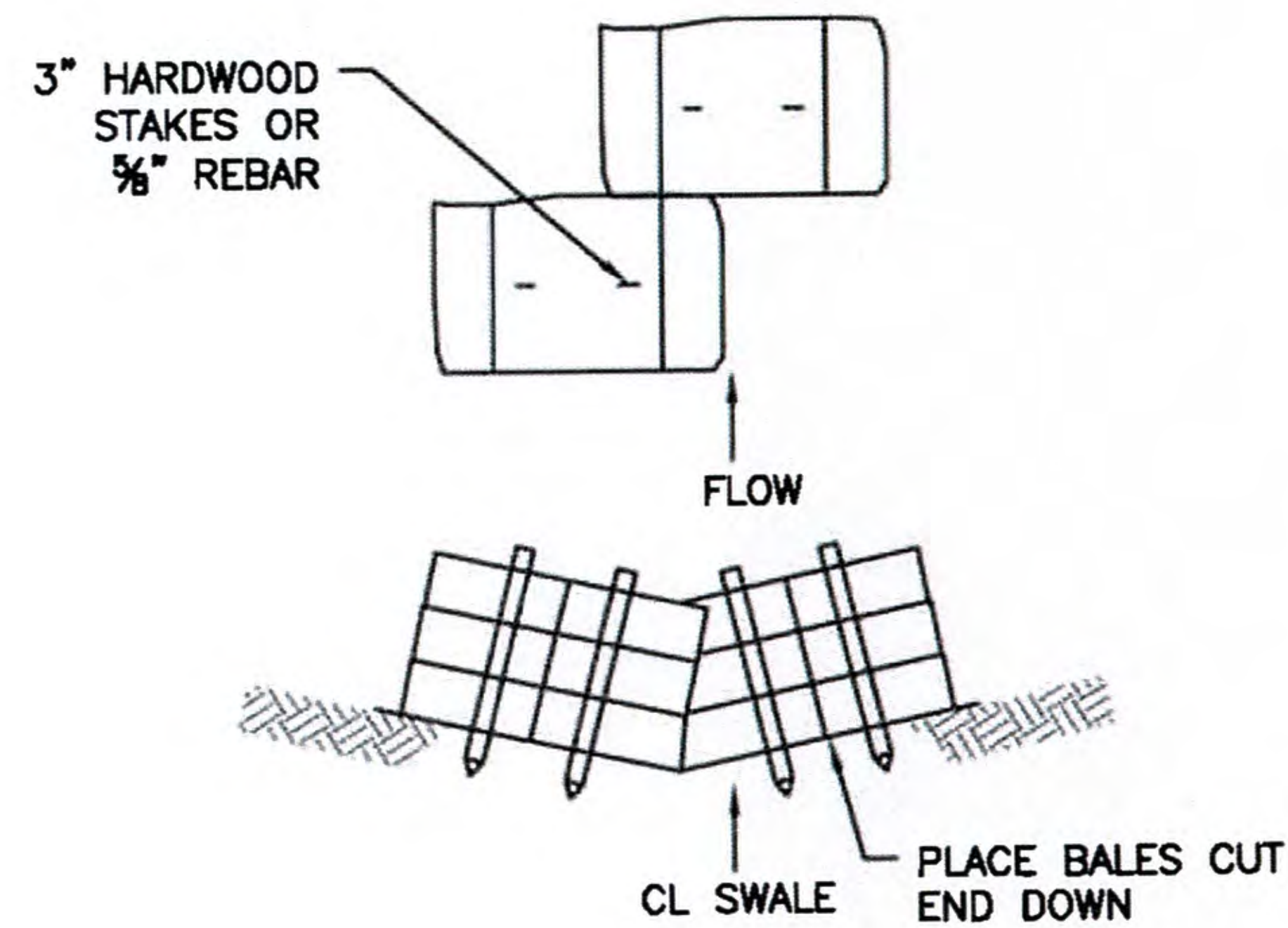
STRAWBALE BARRIER NON-EMBEDDED
N.T.S.



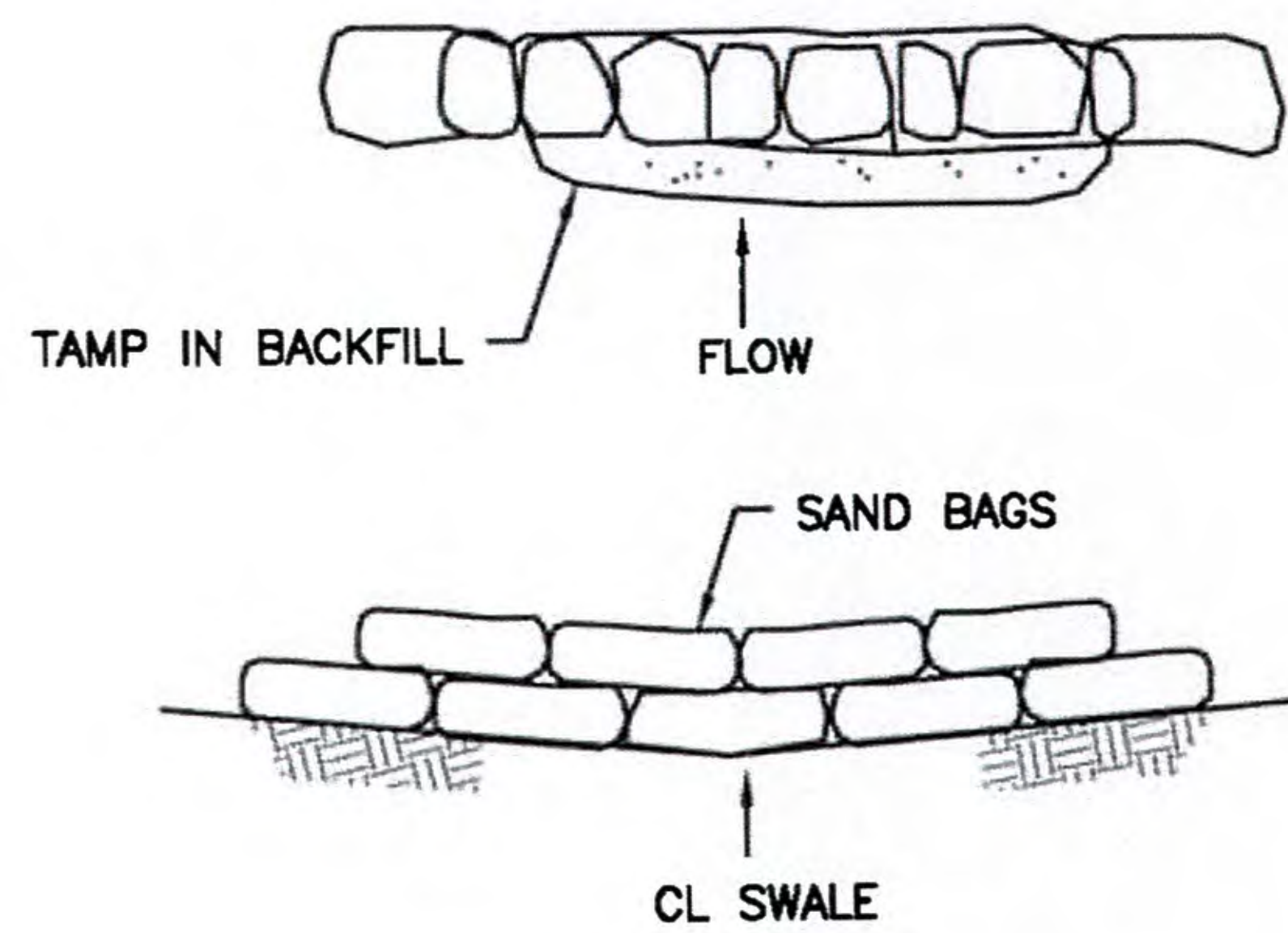
STACKED STRAWBALES AND SILT FENCE
N.T.S.



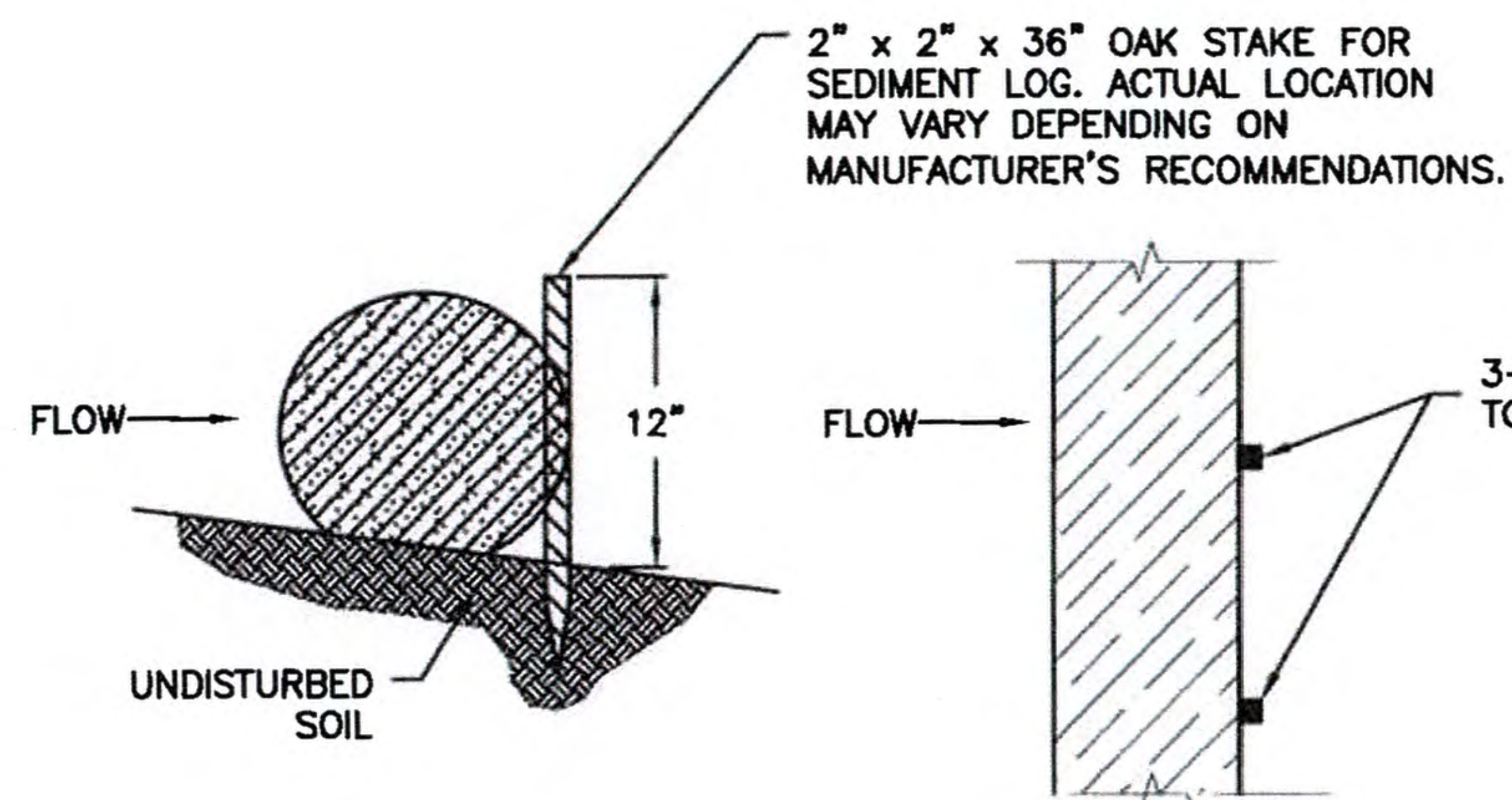
SILT FENCE BARRIER
N.T.S.



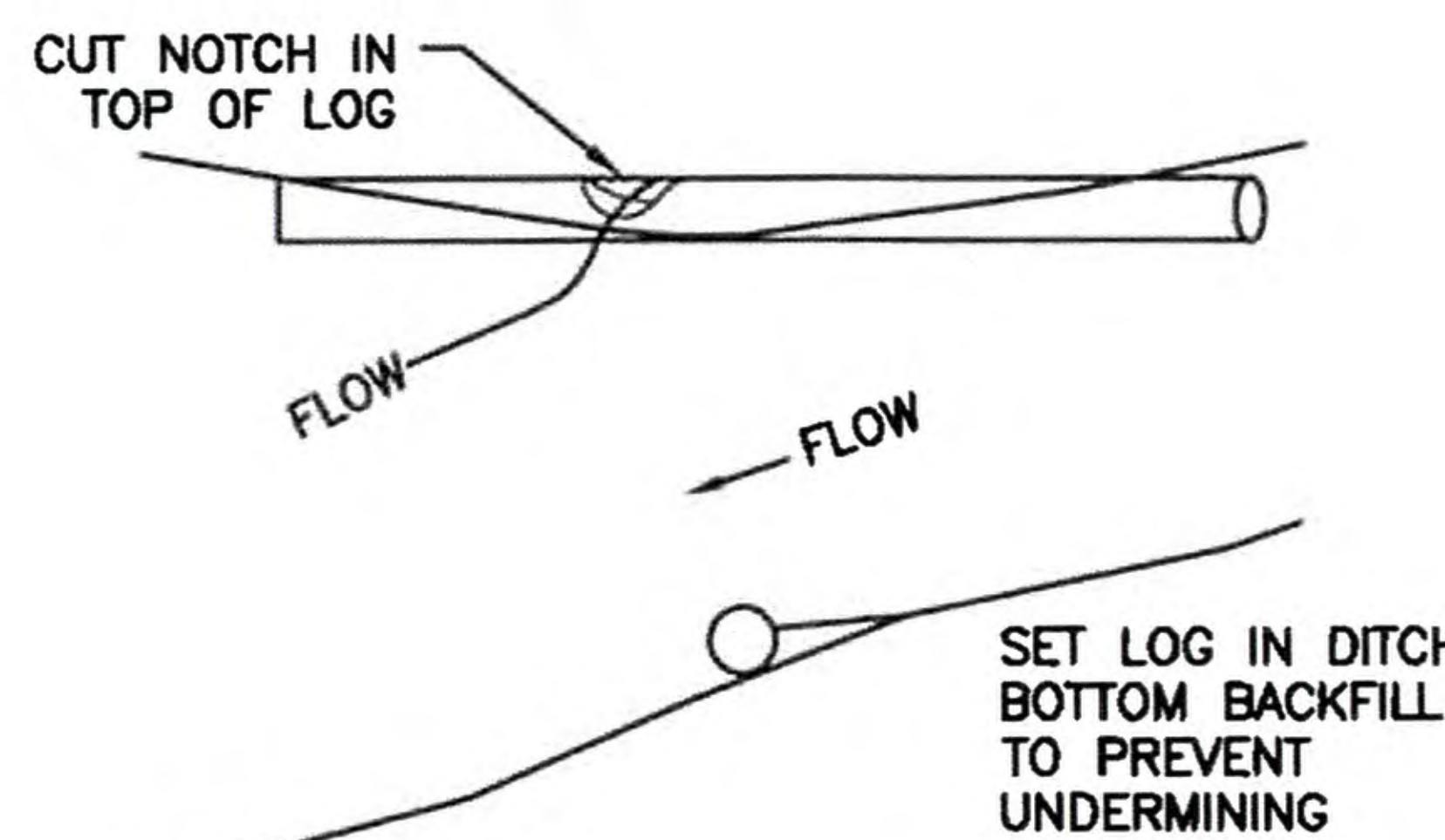
STRAWBALE CHECK DAM
N.T.S.



SANDBAG CHECK DAM
N.T.S.



STRAW WATTLE (BIOROLL BARRIER)
N.T.S.

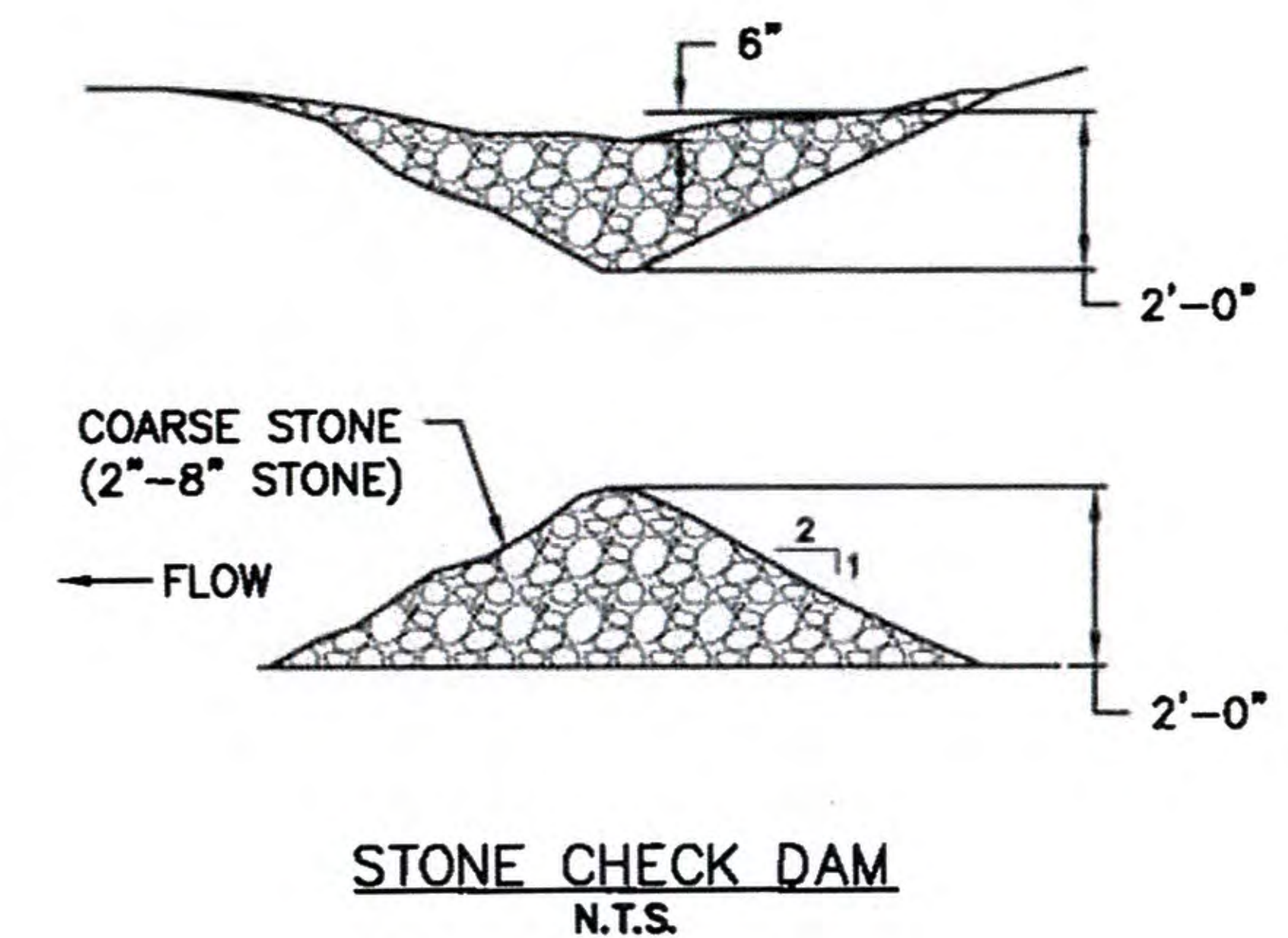


LOG CHECK DAM
N.T.S.

3-4' O.C. OR ACCORDING TO MANF. SPECS.

Evan Lonstein

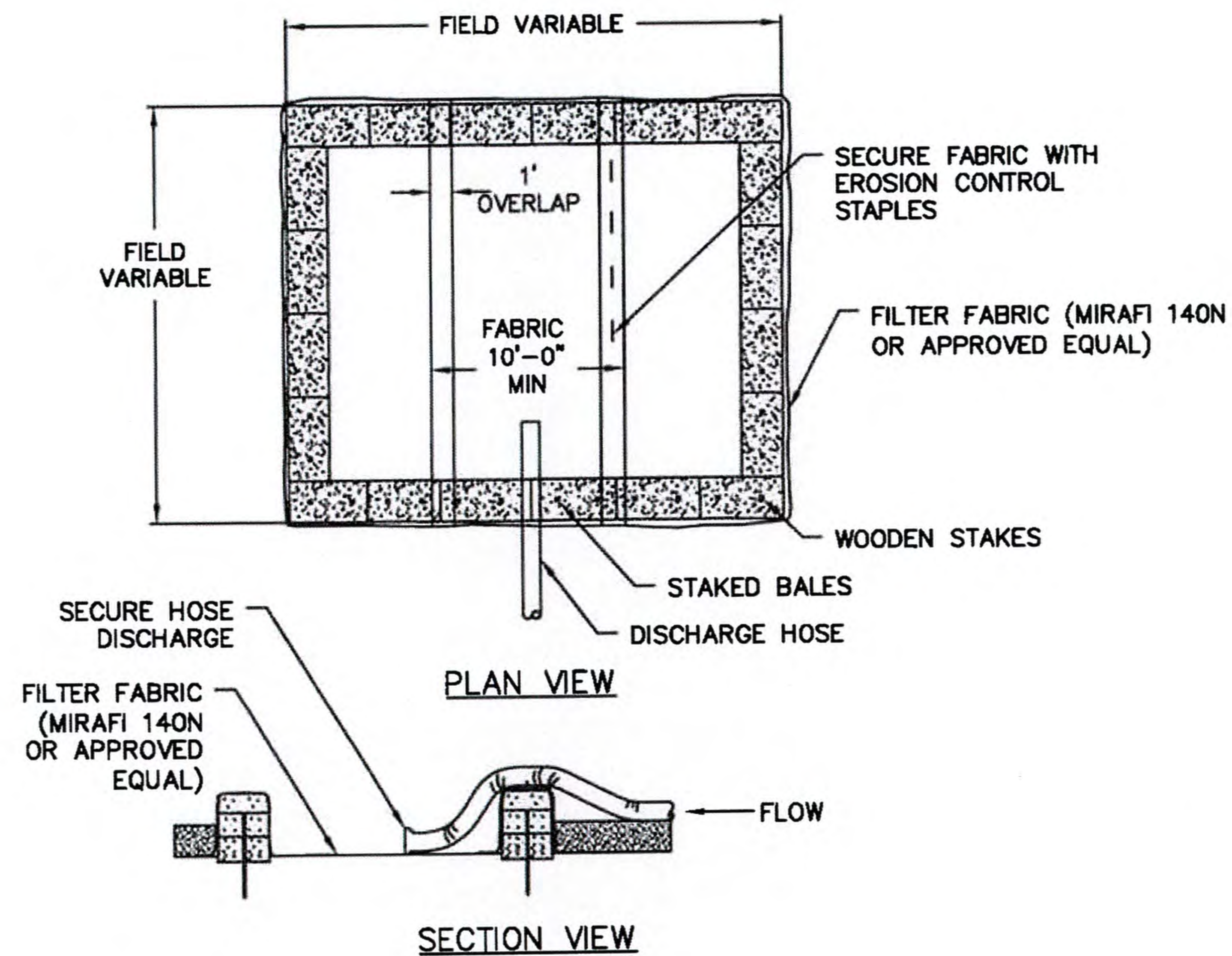
EVAN LONSTEIN
No. 12731
REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19



STONE CHECK DAM
N.T.S.

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION

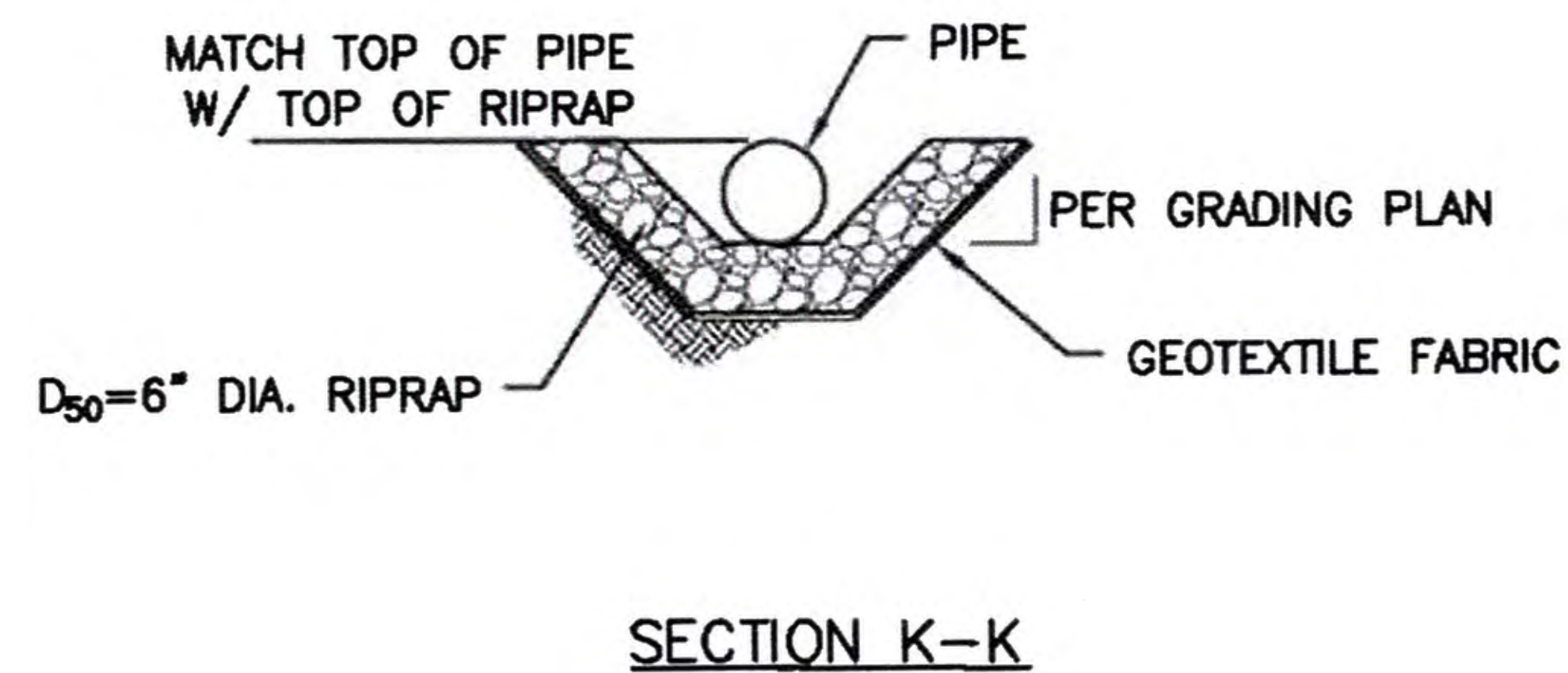
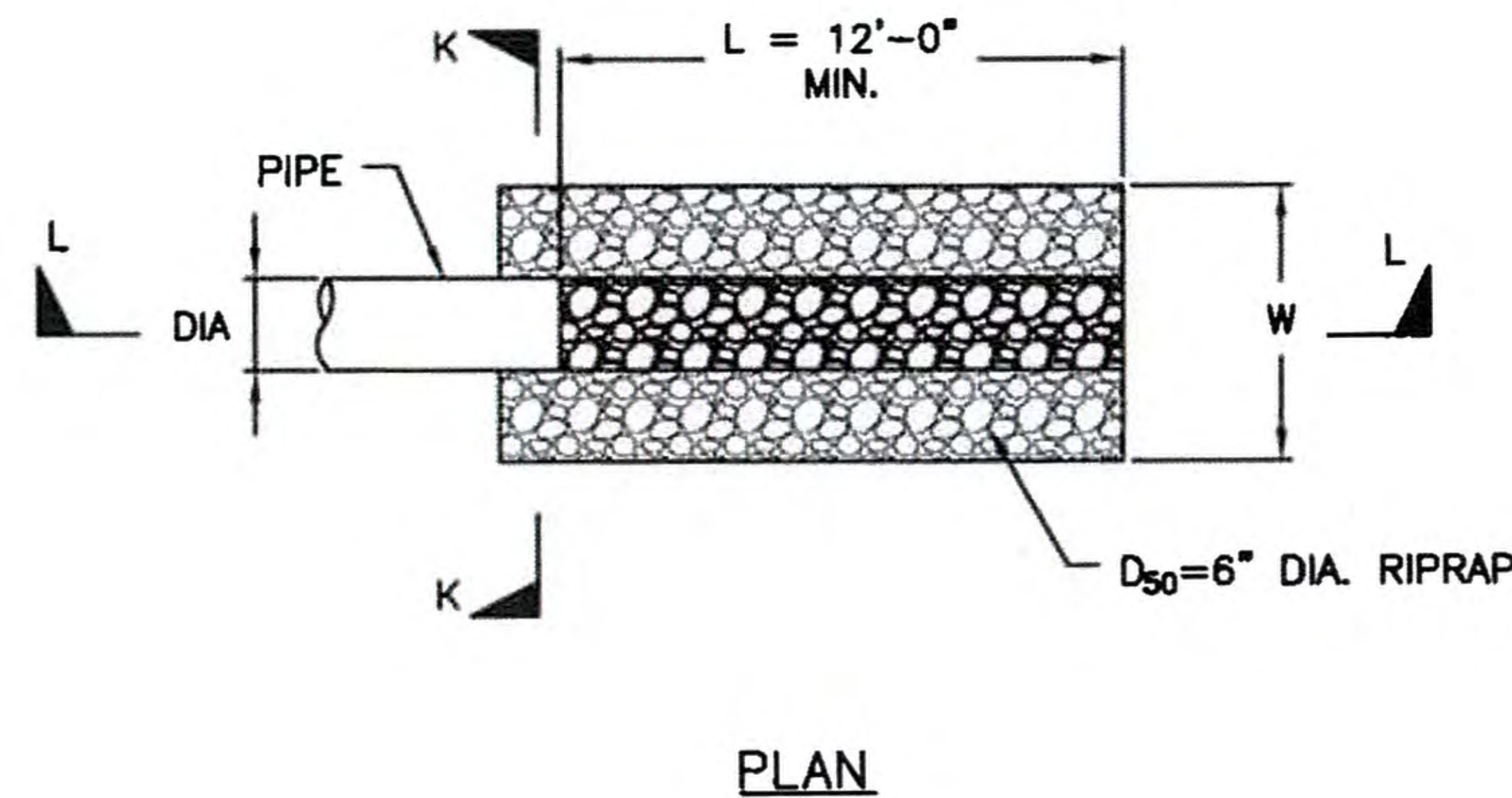


NOTES

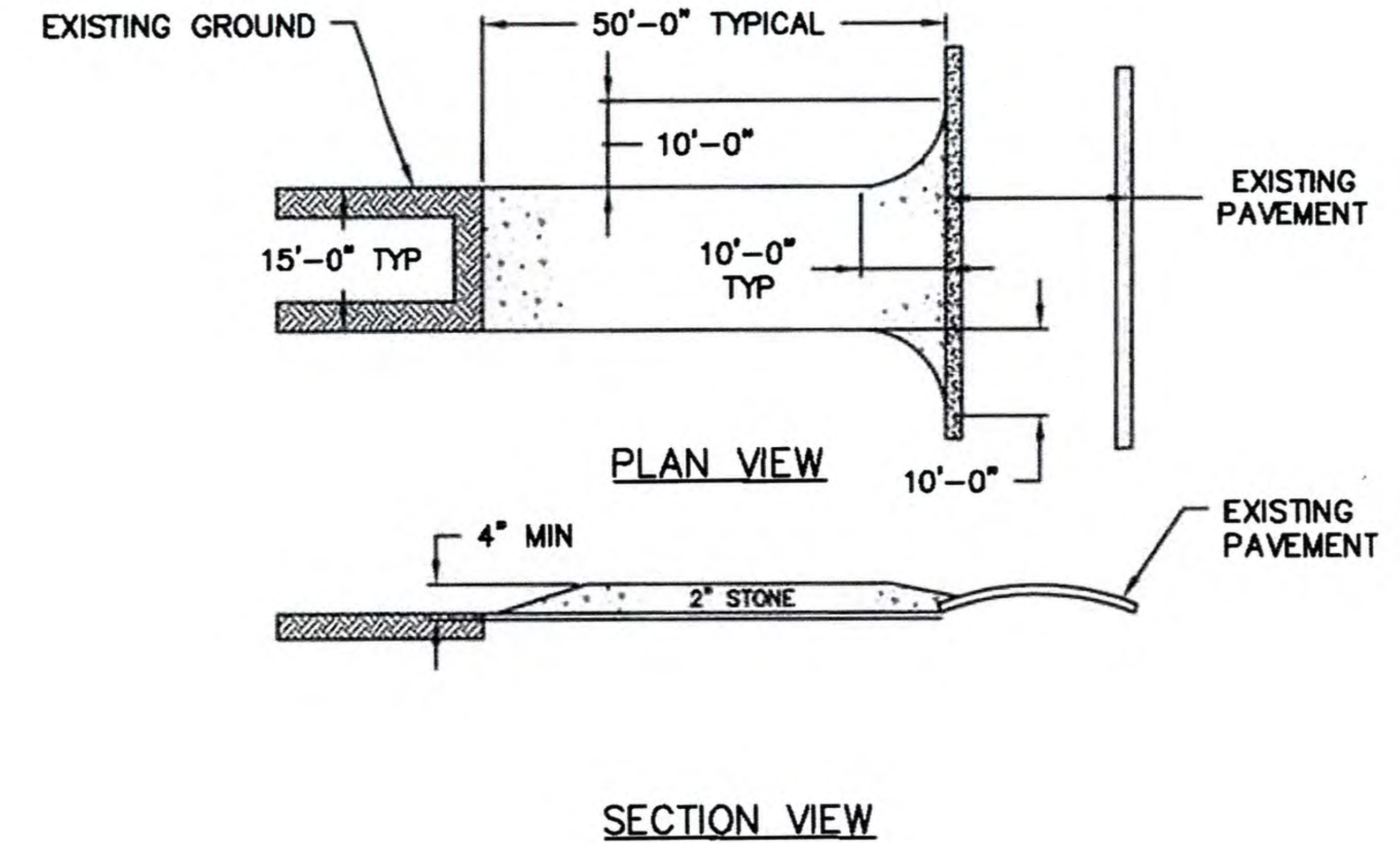
1. NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
2. THE BASIN TO BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.
3. KEEP AS FAR FROM WETLANDS AS PRACTICAL.
4. CLEAN, REMOVE AND REPLACE AGGREGATE SURFACING AS SOON AS DEWATERING IS COMPLETE.

DEWATERING STRAWBALE BASIN
N.T.S.

OUTLET PIPE DIA.	L(FT)	W(FT)
24"	35	20
30"	40	25



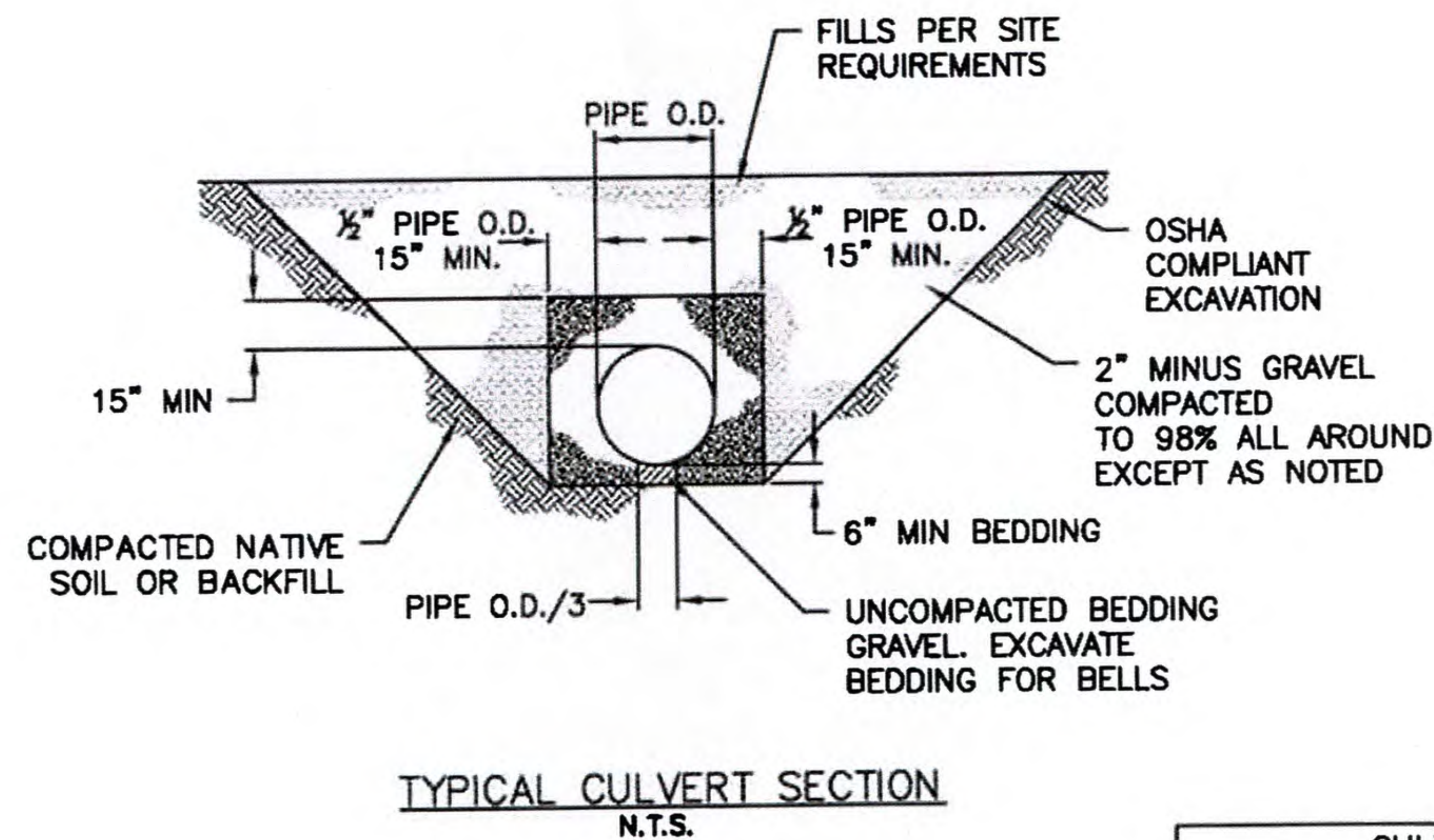
SECTION L-L
CULVERT INLET/OUTLET PROTECTION DETAIL
N.T.S.



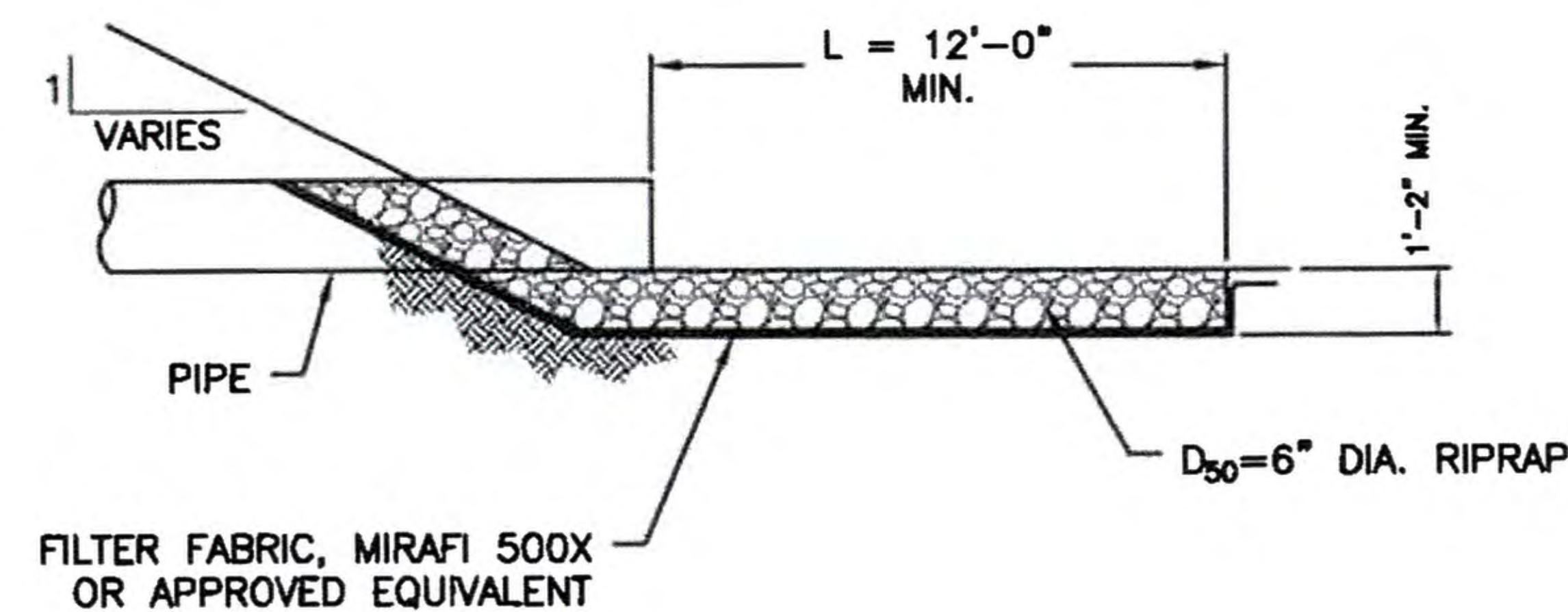
CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 2" STONE (MINIMUM) TO 6" STONE (MAXIMUM),
2. LENGTH - GREATER THAN OR EQUAL TO 50 FEET.
3. THICKNESS - 4".
4. WIDTH - FIFTEEN (15) FEET TYP., BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE PERMITTED.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ANY PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO ANY PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED. DEPENDING UPON SITE CONDITIONS, THIS ENTRANCE MAY OR MAY NOT BE PERMANENT.

STABILIZED CONSTRUCTION EXIT
N.T.S.



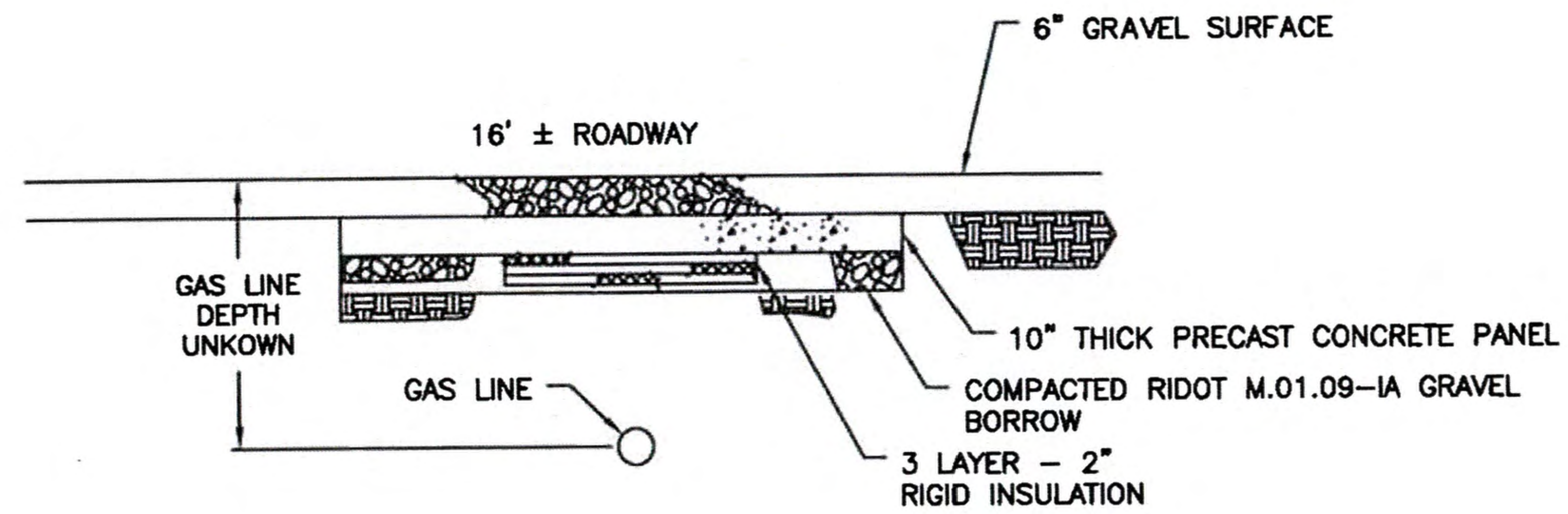
CULVERT TABLE			
POLE #	DIA.	INV. IN	LENGTH
347-021	30"	624.75'	FIELD
347-022	30"	623.75'	FIELD
347-034	24"	529.25'	60'



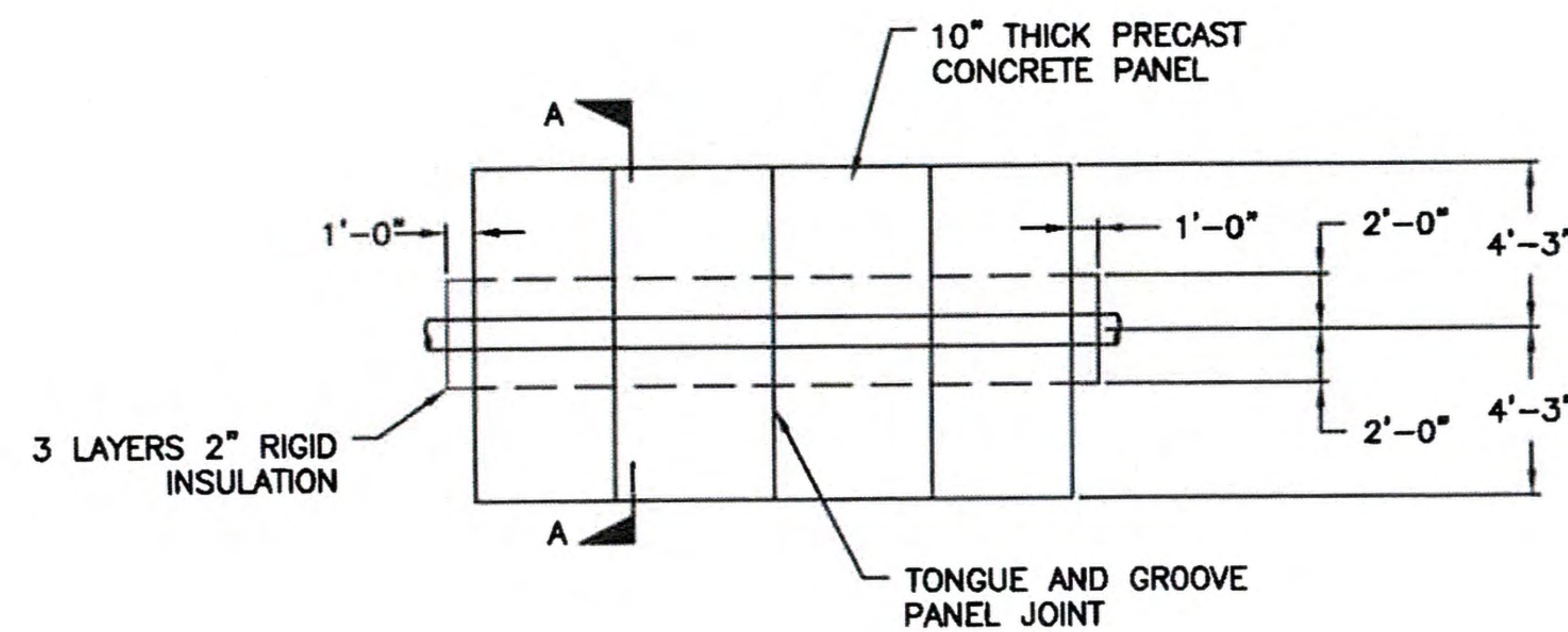
RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

EVAN LONSTEIN
No. 12731
REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

NOT FOR CONSTRUCTION

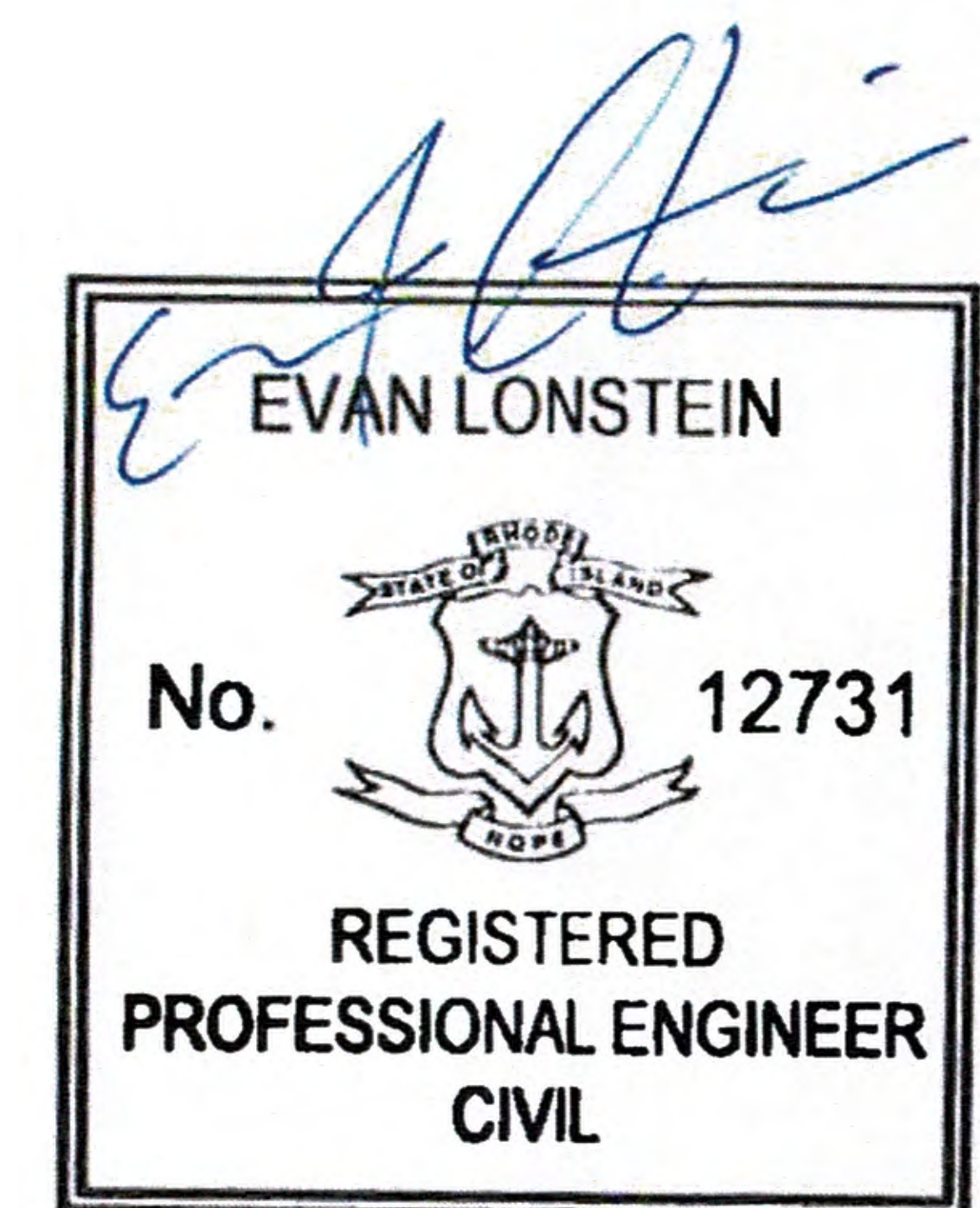


SECTION A-A



PIPELINE CROSSING PLAN
N.T.S.

NOTES:
CONTRACTOR TO VERIFY FINAL
PIPELINE CROSSING DETAILS WITH
PIPELINE OWNER BEFORE
CONSTRUCTION.



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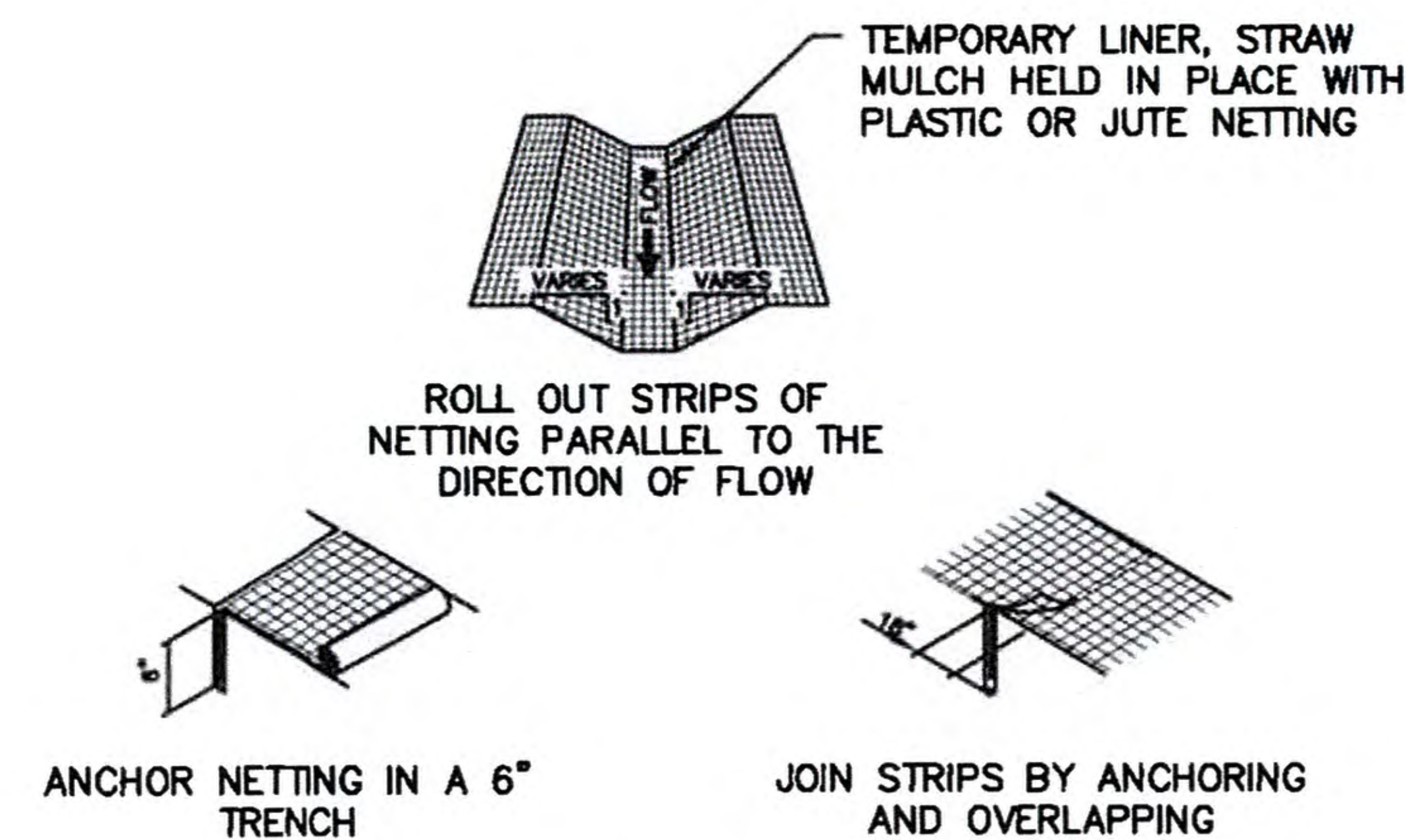
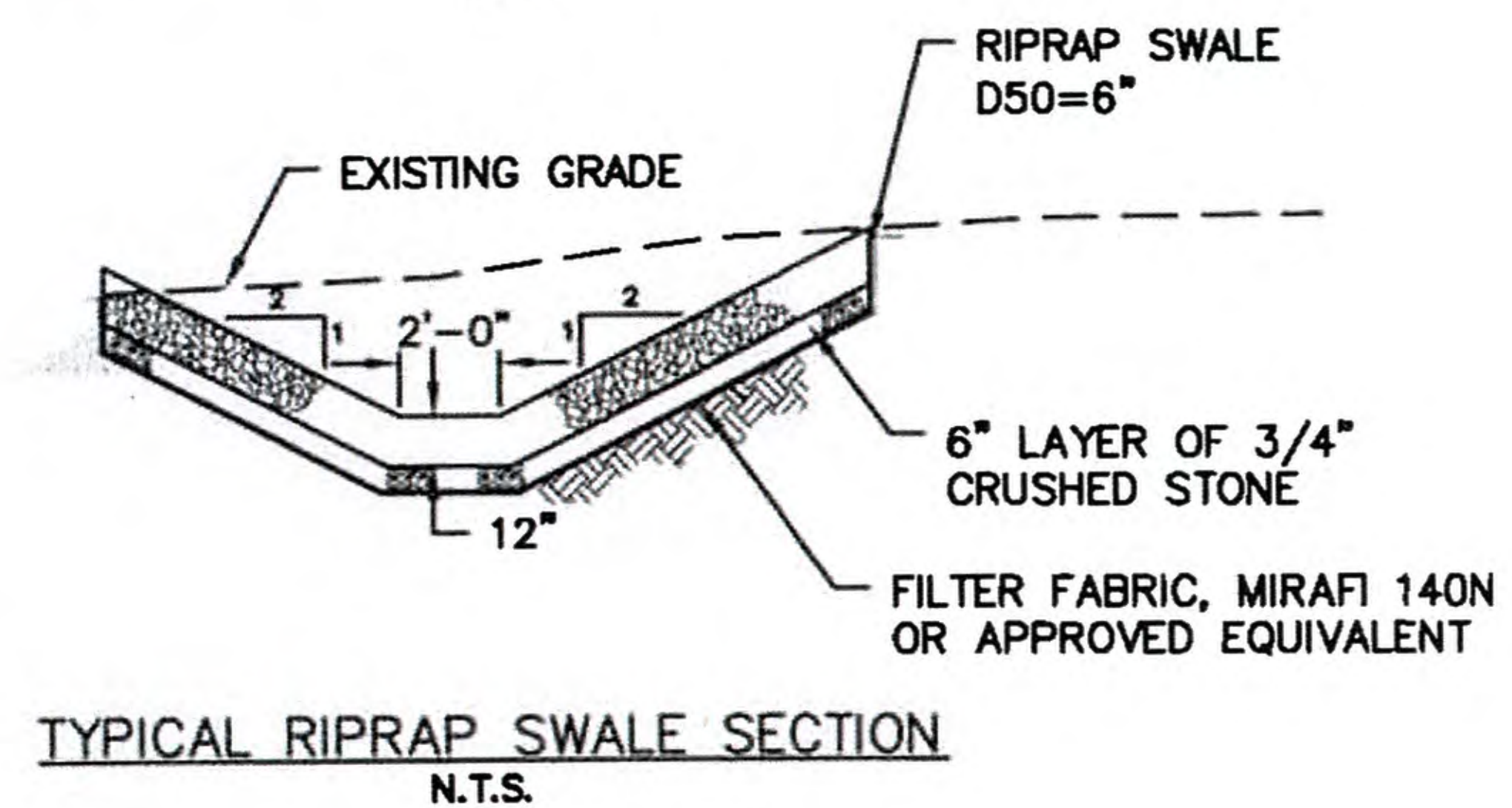
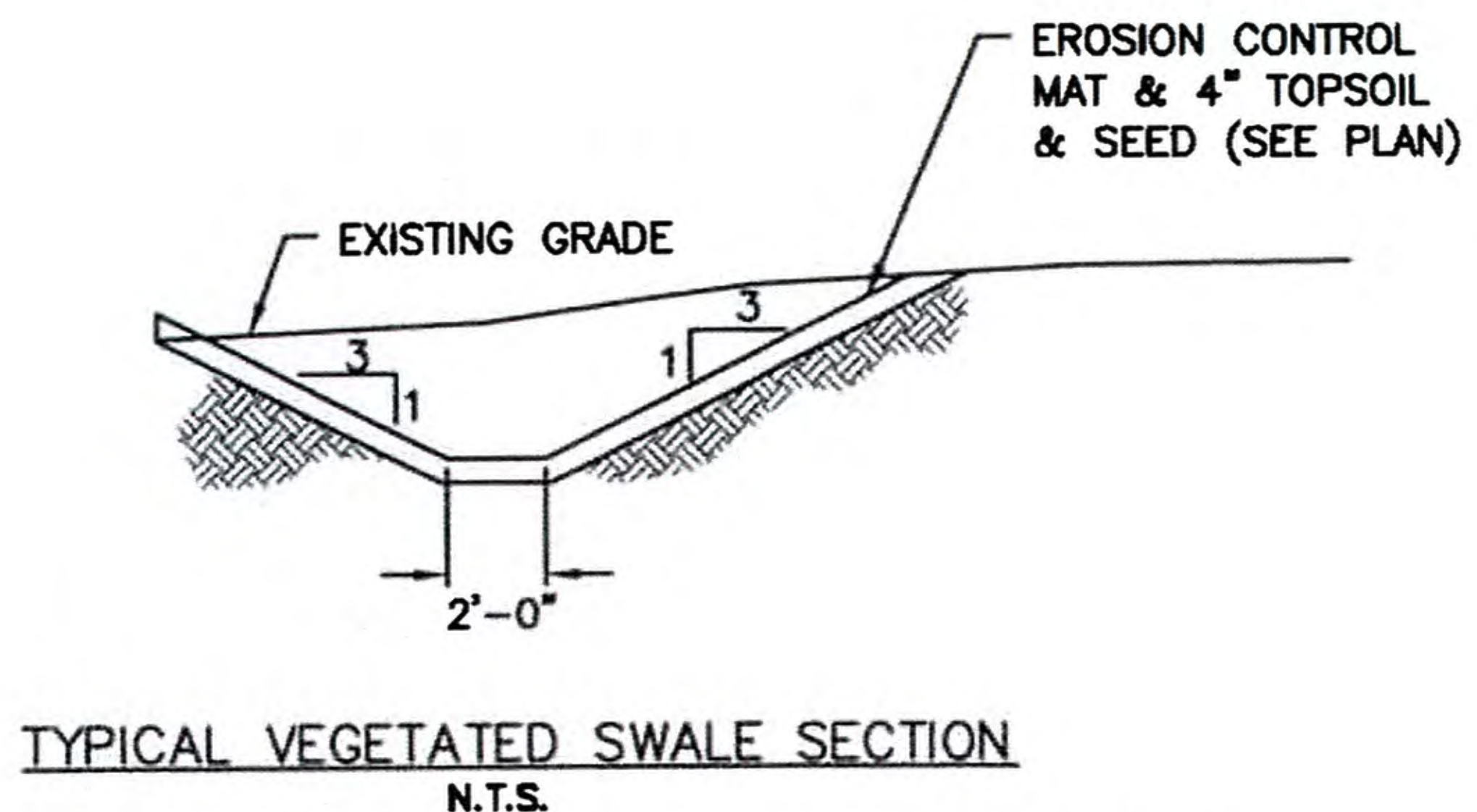
E. Lonstein

EVAN LONSTEIN

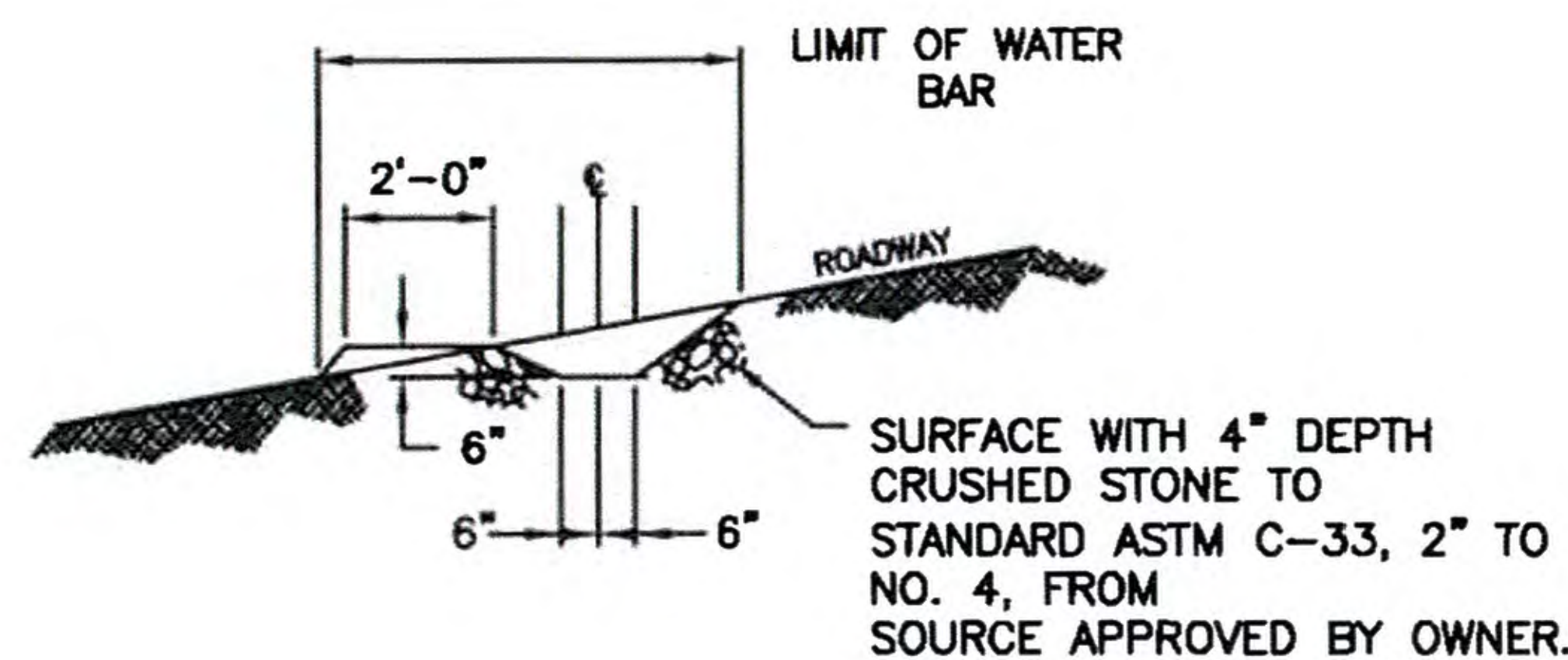
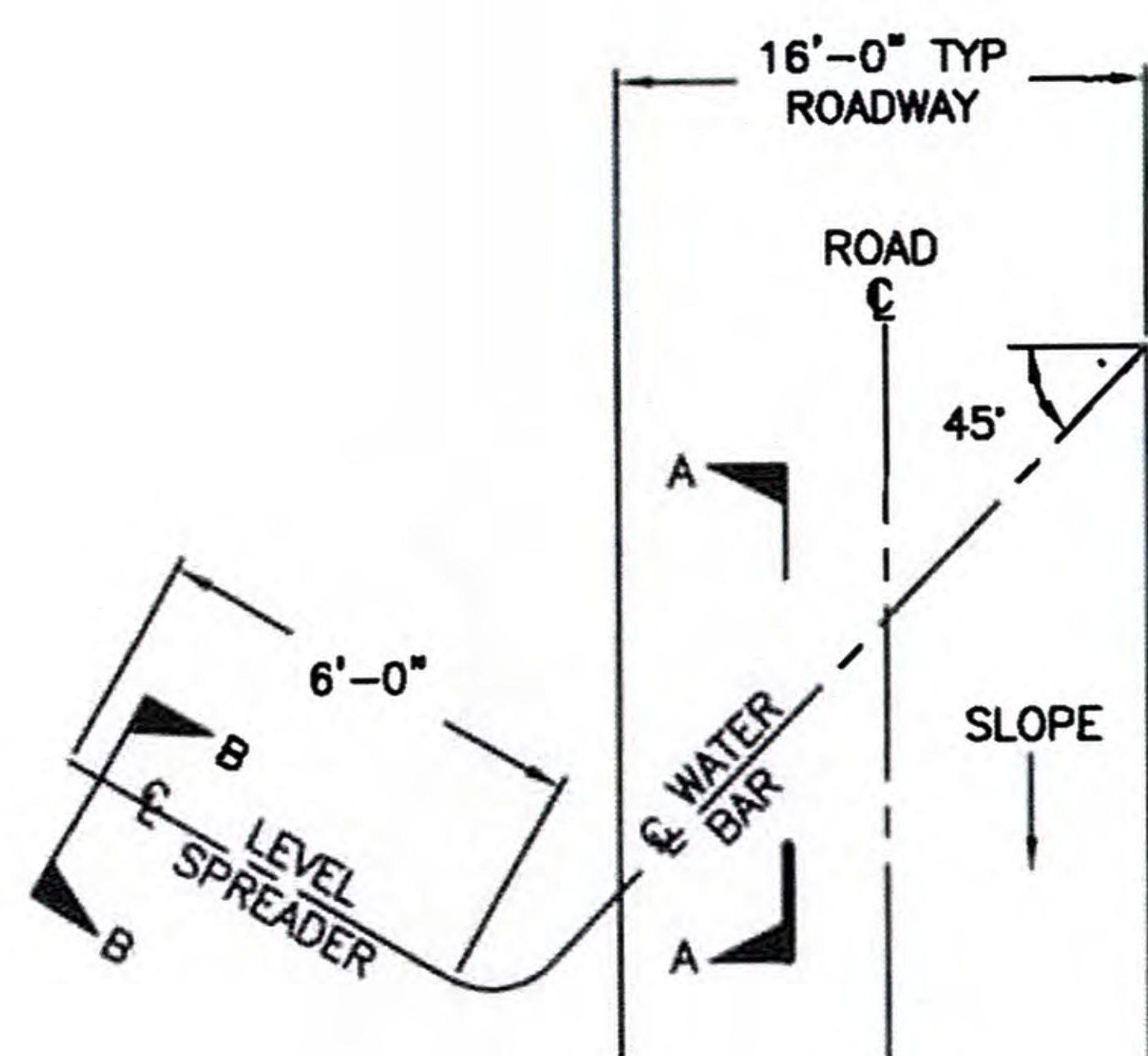
No.  12731

REGISTERED PROFESSIONAL ENGINEER CIVIL

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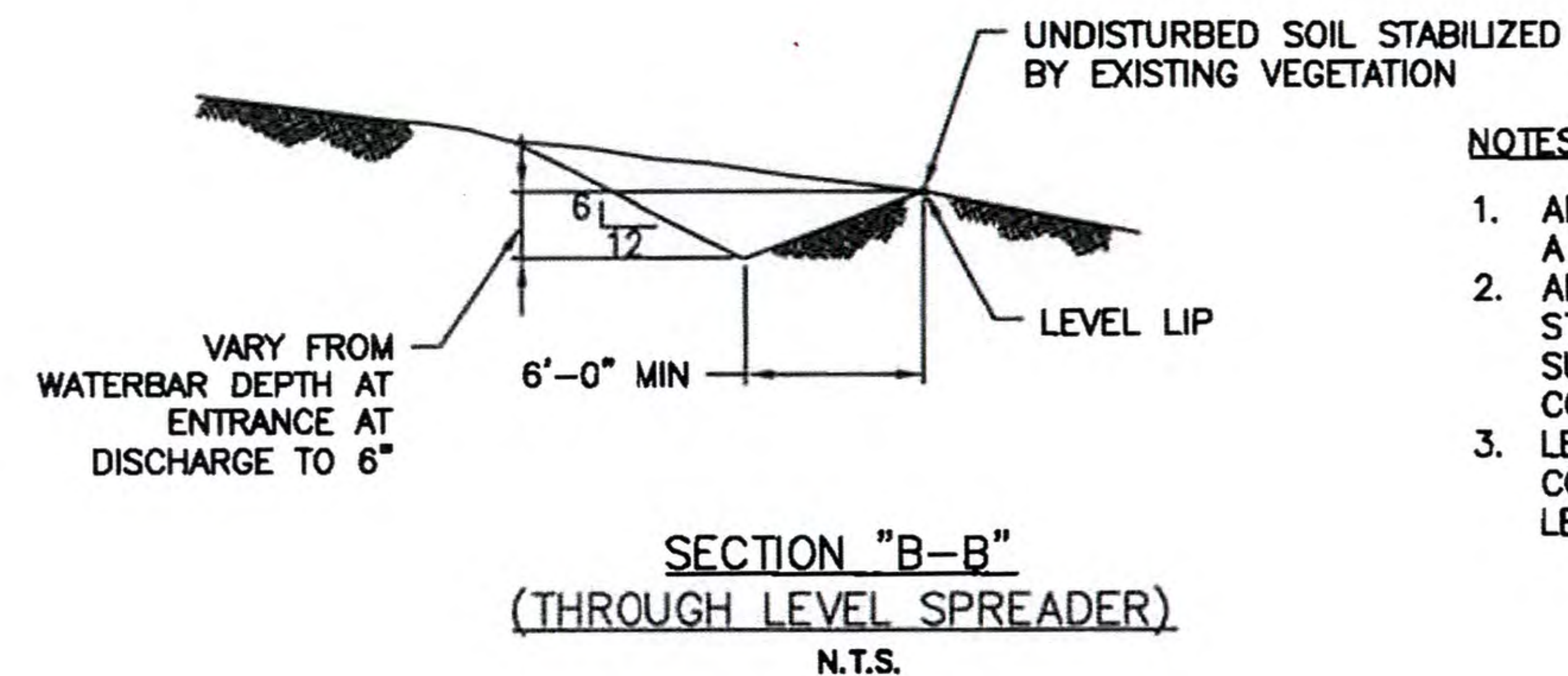
- EXCAVATE THE CHANNEL AND SHAPE IT TO AN EVEN CROSS-SECTION AS SHOWN. WHEN STAKING INDICATE A 0.2' OVERCUT AROUND THE CHANNEL PERIMETER FOR SILTING AND BULKING.
- GRADE SOIL AWAY FROM CHANNEL SO THAT SURFACE WATER MAY ENTER FREELY.
- APPLY LIME, FERTILIZER AND SEED TO THE CHANNEL AND ADJOINING AREAS IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
- SPREAD HAY OR STRAW MULCH AT THE RATE OF 100 LB/1000 SF.
- HOLD MULCH IN PLACE IMMEDIATELY AFTER SPREADING WITH A PLASTIC NETTING INSTALLED AS SHOWN.
- START LAYING THE NET FROM THE TOP OF THE UPSTREAM END OF THE CHANNEL AND UNROLL IT DOWN GRADE. DO NOT STRETCH THE NETTING.
- BURY THE UP SLOPE END AND STAPLE THE NET EVERY 12" ACROSS THE TOP END, EVERY 3 FT AROUND THE EDGES AND ACROSS THE NET SO THAT THE STRAW IS HELD CLOSELY AGAINST THE SOIL. HOWEVER, DO NOT STRETCH THE NETTING WHEN STAPLING.
- NETTING STRIPS SHALL BE JOINED TOGETHER ALONG THE SIDES WITH A 3" OVERLAP AND STAPLED TOGETHER.
- TO JOIN ENDS OF STRIPS, INSERT A NEW ROLL OF NET IN A TRENCH AS WITH THE UP SLOPE END AND OVERLAP IT 18" WITH THE PREVIOUSLY LAID UPPER ROLL. TURN UNDER 6" OF THE 18" OVERLAP AND STAPLE EVERY 12" ACROSS THE END.



- NOTES:
- SLOPES OF WATER BAR TO BE MAINTAINED AT 1 ON 4
 - CLEAN 3 FT BEYOND LIMITS OF EXCAVATION FOR LEVEL SPREADER.

ROAD SLOPE PERCENT	WATER BAR SPACING - FT
5	150
10	100
15 AND OVER	50

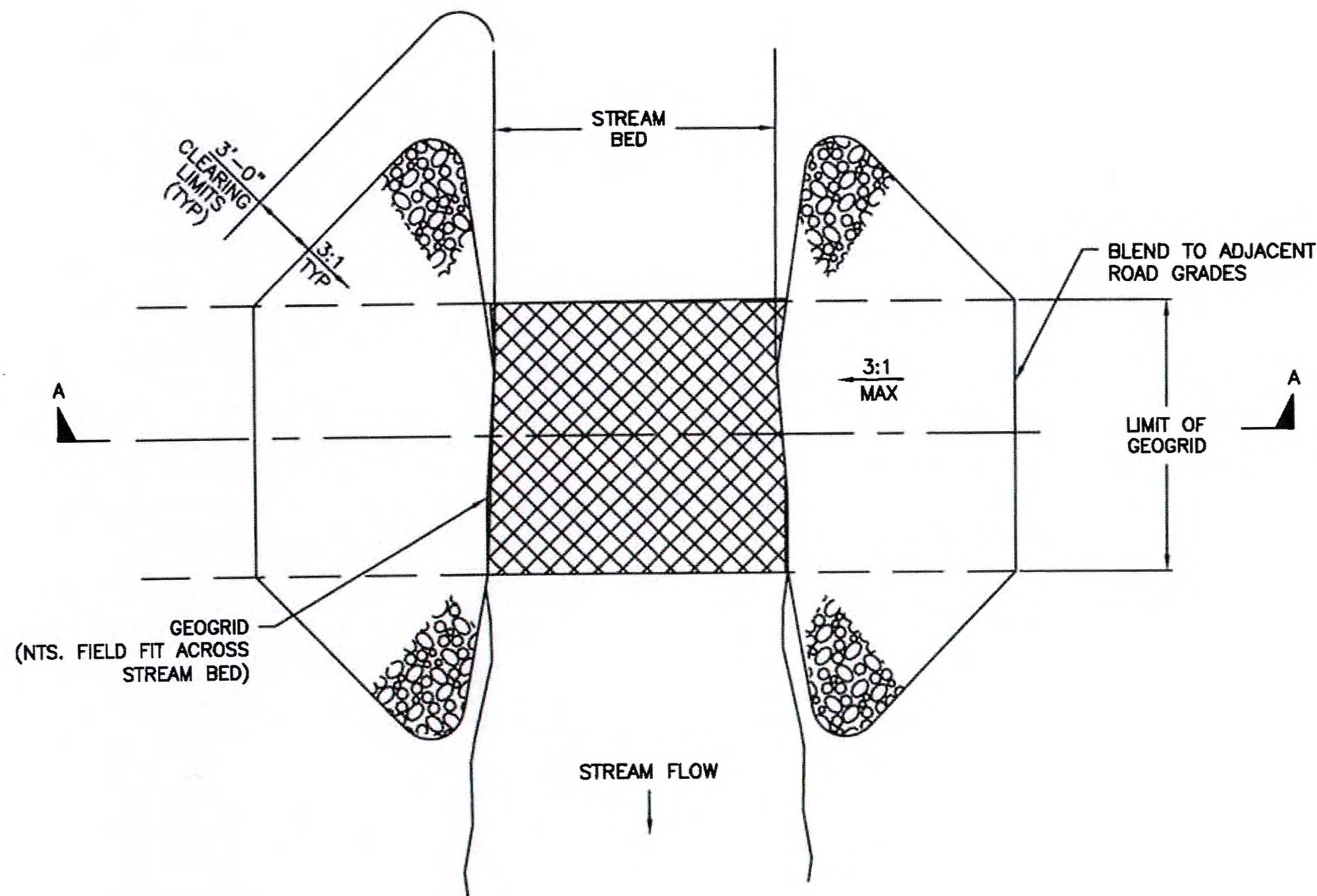
EROSION CONTROL MAT DETAIL
N.T.S.



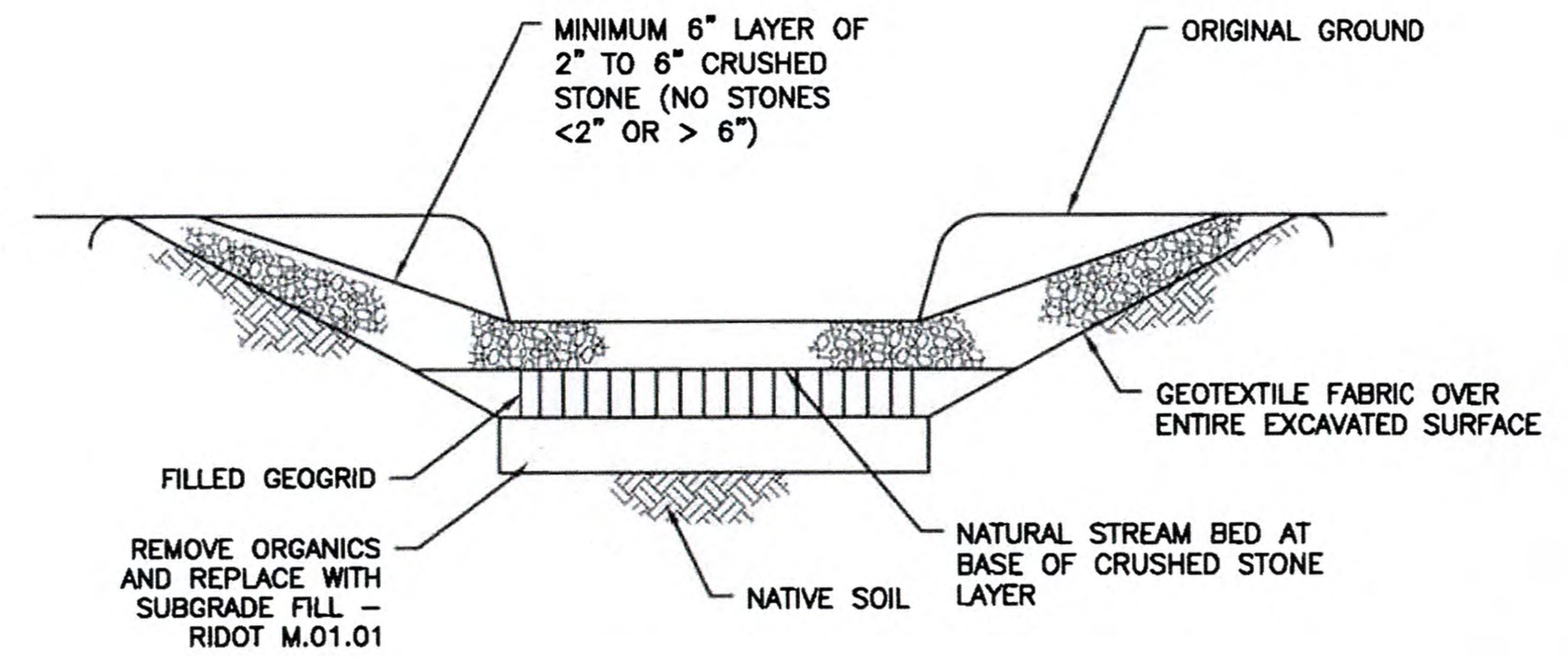
- NOTES:
- ALL LEVEL SPREADERS SHALL HAVE A LENGTH OF 6 FEET.
 - ALL DISTURBED SOIL TO BE STABILIZED, MULCHED AND SEEDED SUBJECT TO APPROVAL OF THE CORPORATION.
 - LEVEL LIP TO BE MAINTAINED AT CONSTANT ELEVATION OVER FULL LENGTH OF SPREADER.

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

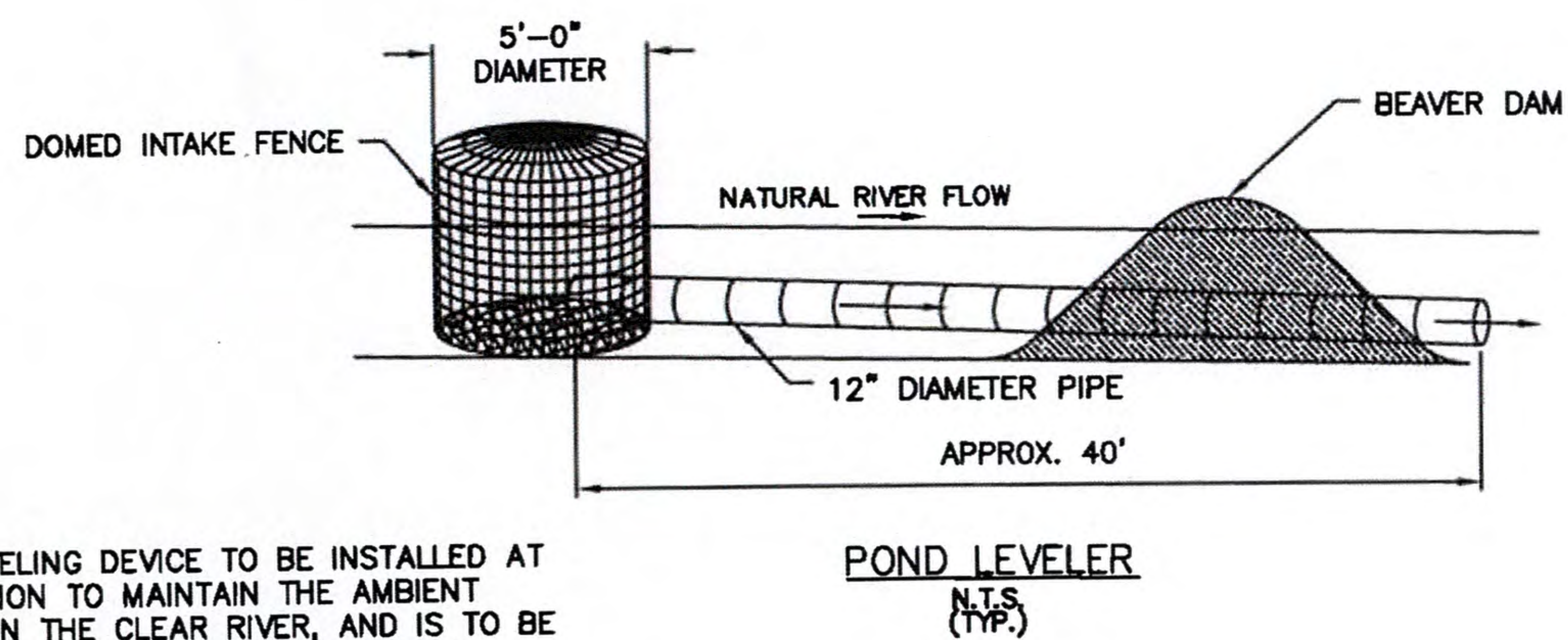
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PLAN



SECTION A-A



NOTES:
WATER LEVELING DEVICE TO BE INSTALLED AT AN ELEVATION TO MAINTAIN THE AMBIENT FLOW WITHIN THE CLEAR RIVER, AND IS TO BE DETERMINED BASED ON FIELD CONDITIONS DURING PROJECT CONSTRUCTION.

STREAM FORD
N.T.S.



3/29/19

NOTES:

1. USE PRESTO GEOSYSTEMS GEOWEB (OR APPROVED EQUAL) FOR GEOGRID AND CONNECT EACH SECTION TOGETHER.
2. ANCHOR GEOGRID IN PLACE WITH STAKES
3. FILL GEOGRID WITH AASHTO #5 CRUSHED STONE (OR APPROVED SIMILAR) TO STABILIZE EACH CELL.
4. LIMIT FILL DROP HEIGHT TO 3 FEET.
5. OVERFILL CELLS AT LEAST 2 INCHES BEFORE COMPACTING.

RHODE ISLAND PE SEAL 8879 IS APPLICABLE ONLY TO THE PROPOSED SITEWORK AND ESC MEASURES.

NOT FOR CONSTRUCTION