



**US Army Corps
of Engineers**®
New England District
**696 Virginia Road
Concord, MA 01742-2751**

PUBLIC NOTICE

Comment Period Begins: June 15, 2021
Comment Period Ends: July 15, 2021
File Number: NAE-2020-03074
In Reply Refer To: Charlotte Skolnick
Phone: (978) 318-8145
E-mail: Charlotte.R.Skolnick@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from Duane Martin, Town of West Hartford; 50 South Main Street, West Hartford, Connecticut 06107. This work is proposed in West Branch Trout Brook at 567 Fern Street, West Hartford, Connecticut. The site coordinates are: Latitude 41.767117 N, Longitude -72.753588 W.

The work involves the replacement of Bridge No. 04081 with prestressed concrete box beams along with channel realignment and reconstruction using block walls along the east bank of the brook and rounded riprap with live stakes along the west bank. Natural habitat features have been incorporated in the proposed design to provide improvements in the functions and values of the water resources. The project proposes temporary discharge of fill resulting from dewatering the construction area in approximately 9,920 square feet waterward of Ordinary High Water (OHW). Permanent discharge of fill associated with the installation of the new bridge abutments and channel walls, relocation and recontouring of the channel and the west side of the pond, and installation of natural rock features is proposed in approximately 12,022 square feet waterward of OHW. The purpose of this project is to provide long-term structural integrity, reduce flooding in the area, and improve wetland functions and values and wildlife habitat.

The work is shown on the enclosed plans entitled "REPLACEMENT OF FERN STREET BRIDGE OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081); FERN STREET; WEST HARTFORD, CONNECTICUT," on 64 sheets, and dated "JULY 22, 2020."

No compensatory mitigation has been proposed for this project. Special conditions will be included in the permit authorization to minimize impacts to Endangered Species Act listed species and essential fish habitat in the project area.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land

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use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, New England District (Corps), is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The Corps will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will impact 0.28 acres of EFH resulting from the permanent discharge of fill, and an adverse effect on 0.23 acres of EFH resulting from the temporary discharge of fill for the purpose of dewatering. This habitat consists of a man-made pond and an inland non-tidal stream which contains riprap, pavers, and concrete. Loss of this habitat may adversely affect species that use these waters and substrate. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered

properties listed as being eligible for inclusion therein are in the permit area or general vicinity.

e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s).

ENDANGERED SPECIES CONSULTATION

The Corps has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license or assent from State.
- (X) Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Charlotte Skolnick at (978) 318-8145, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Kevin R Kotelly

Kevin R. Kotelly, P.E.
Chief, Permits and Enforcement Branch
Regulatory Division

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FILE NO. NAE-2020-03074

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____

ADDRESS: _____

PHONE: _____

REPLACEMENT OF FERN STREET BRIDGE OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)

FERN STREET WEST HARTFORD, CONNECTICUT

MMI PROJECT NO. 1197-31 STATE PROJECT NO. 155-0003
JULY 22, 2020

LIST OF DRAWINGS

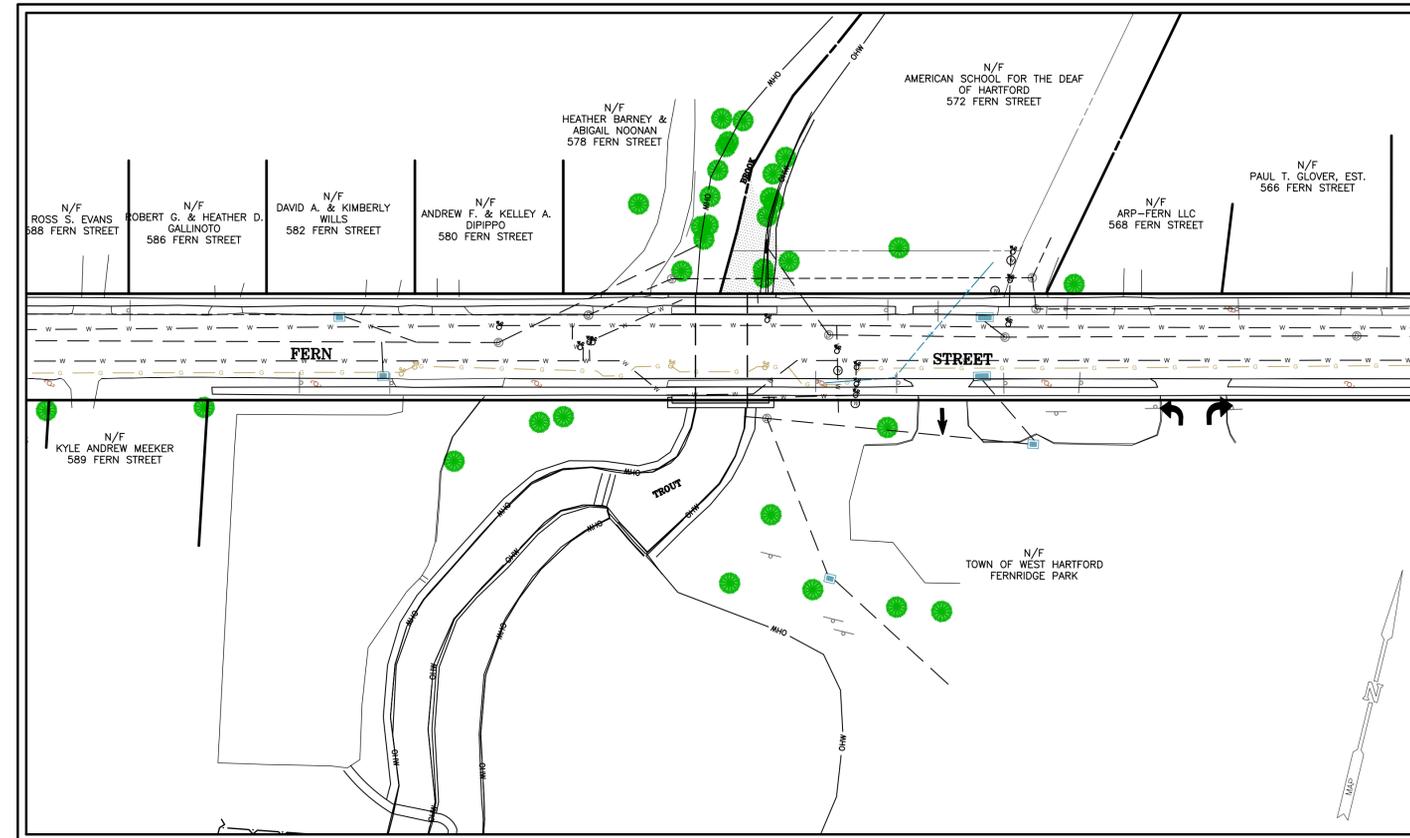
NO.	NAME	TITLE
01	—	TITLE SHEET
02	N-01	NOTES, LEGEND & TYPICAL SECTION
03-04	EX-01 TO EX-02	EXISTING CONDITIONS & BASELINE INFORMATION
05-06	PLN-01 TO PLN-02	PROPOSED CONDITIONS PLAN
07	ENL-01	PARKING LOT ENLARGEMENT PLAN
08	PRO-01	ROADWAY PROFILE
09	PRO-02	CHANNEL PROFILE
10	ROW-01	PROPERTY IMPACT PLAN
11-12	RES-01 TO RES-02	CHANNEL RESTORATION & LANDSCAPING PLAN
13-14	RES-03 TO RES-04	CHANNEL RESTORATION DETAILS
15	SE-01	SEDIMENT & EROSION CONTROL DETAILS
16-19	MSC-01 TO MSC-04	MISCELLANEOUS SITE DETAILS
20	STR-01	BRIDGE PLAN & ELEVATION
21	STR-02	BRIDGE TYPICAL SECTION
22-23	STR-03 TO STR-04	BORING LOGS
24	STR-05	ABUTMENT NO. 1, WINGWALLS 1A & 1B - PLAN & ELEVATION
25	STR-06	ABUTMENT NO. 2, WINGWALLS 2A & 2B - PLAN & ELEVATION
26	STR-07	PILE LAYOUT PLAN & DETAILS
27-29	STR-08 TO STR-10	SUBSTRUCTURE DETAILS
30	STR-11	DECK PLAN
31	STR-12	FRAMING PLAN
32-33	STR-13 TO STR-14	PRESTRESSED CONCRETE DECK UNIT DETAILS
34-35	STR-15 TO STR-16	BRIDGE RAIL DETAILS
36-38	STR-17 TO STR-19	STEEL-BACKED TIMBER GUIDERAIL DETAILS
39-40	STR-20 TO STR-21	CHANNEL WALLS - PLAN & ELEVATION
41-42	STR-22 TO STR-23	CHANNEL WALL DETAILS
43-50	MPT-01 TO MPT-08	CONSTRUCTION STAGING PLANS
51	TCS-01	TRAFFIC CONTROL SIGNAL PLAN
52-56	XSC-01 TO XSC-05	ROADWAY CROSS SECTIONS
57-61	XSC-06 TO XSC-10	CHANNEL CROSS SECTIONS
62-64	TD-01 TO TD-03	TRAFFIC SIGN DETAILS

CONNDOT HIGHWAY STANDARD DRAWINGS

NAME	TITLE
HW_INX	HIGHWAY STANDARD SHEET INDEX (2 SHEETS)
HW-811_01	CONCRETE CURBING
HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB
HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS
HW-949_01A	LANDSCAPE PLANTINGS
HW-949_01B	TREE STAKING

CONNDOT TRAFFIC STANDARD DRAWINGS

TR-STD-INDEX	TITLE
TR-1205_01	DELINEATION, DELINEATORS AND OBJECT MARKERS
TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS
TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS
TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

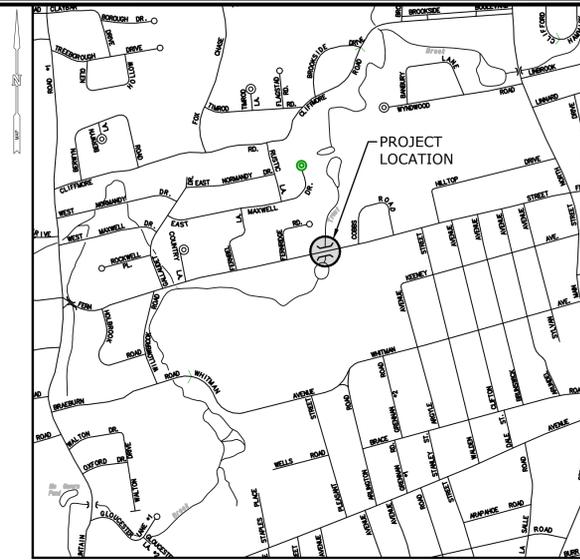


PROJECT SITE VICINITY MAP:



PREPARED BY:

MILONE & MACBROOM
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
WWW.MMINC.COM



LOCATION MAP:

PREPARED FOR:

TOWN OF WEST HARTFORD
ENGINEERING DIVISION
50 SOUTH MAIN STREET
WEST HARTFORD, CT 06107

GENERAL NOTES:

1. CONSTRUCTION SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020; AND SPECIAL PROVISIONS.
2. COORDINATE SYSTEM: NORTH ORIENTATION AND COORDINATES BASED ON CONNECTICUT GRID SYSTEM NAD 83.
3. VERTICAL DATUM: ELEVATIONS BASED ON NAVD 88.
4. SURVEYED BY: TOWN OF WEST HARTFORD

DESIGN CRITERIA

1. ROADWAY CLASSIFICATION: URBAN COLLECTOR
2. DESIGN SPEED: 30 MPH

MATTHEW HART
TOWN MANAGER

DUANE J. MARTIN, P.E.
TOWN ENGINEER

DESIGNED BY: MILONE & MACBROOM, INC.

PER _____

DATE: _____

CT P.E. NO. _____

APPROVED FOR BIDDING BY: TOWN OF WEST HARTFORD

PER _____

DATE: _____



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Kishor Patel
P.E. CT# 0023980

11/2017 - 11/2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100

GENERAL NOTES

- MILONE AND MACBROOM INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH APPROPRIATE UTILITY COMPANIES REGARDING RELOCATION AND PROTECTION OF THEIR FACILITIES AND SCHEDULING OF SUCH WORK.
- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818 (2020) AND SPECIAL PROVISIONS EXCEPT WHERE TOWN OF WEST HARTFORD STANDARDS MAY PREVAIL.
- CONTRACTOR SHALL NOTE THAT WHERE PROVIDED, TOWN CATCH BASIN, SIDEWALK, GRANITE STONE CURBING, TRENCHING, AND OTHER MISCELLANEOUS DETAILS MAY DEVIATE FROM STATE DOT DETAILS AND, WHERE SHOWN, SUCH WORK SHALL BE PERFORMED TO TOWN STANDARDS. CONTRACTOR SHALL BID THE ASSOCIATED WORK ITEMS ACCORDINGLY.
- THE CONTRACTOR SHALL BE AWARE OF THE WORK WHICH IS TO BE PERFORMED WITHIN AND ADJACENT TO PRIVATE PROPERTY RIGHT-OF-WAYS.
- SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - REVISED 2002", AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
- THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, WATER AUTHORITY, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK. THE ENGINEER WILL NOT BE HELD LIABLE FOR COSTS INCURRED TO IMPLEMENT OR CORRECT WORK WHICH DOES NOT CONFORM TO LOCAL CODE.
- ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
- CONTRACTOR TO STAKE OUT WORK LIMITS AND COORDINATE CLEARING AND GRUBBING WITH THE TOWN. NO SEPARATE PAYMENT.
- CONSTRUCTION EQUIPMENT SHALL BE STORED OUTSIDE OF AREAS SUBJECT TO FLOODING.

UTILITIES

- CONTRACTOR SHALL COORDINATE UTILITY RELOCATIONS PRIOR TO BEGINNING CONSTRUCTION.

SURVEY NOTES

THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THRU 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

TYPE OF SURVEY IS A TOPOGRAPHIC SURVEY.
CLASS OF ACCURACY IS CLASS D.

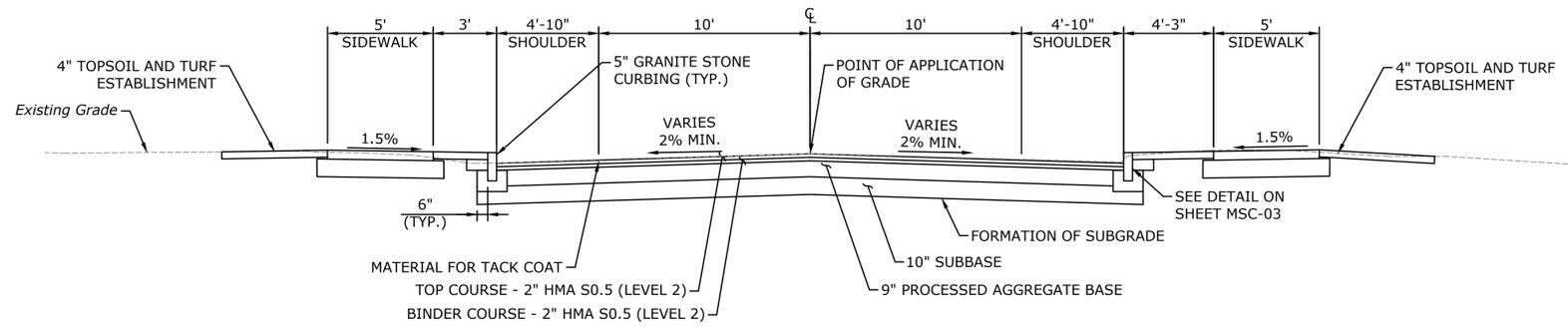
HORIZONTAL DATUM OF NAD 27 AND VERTICAL DATUM OF NGVD 29 ARE BASED ON CONTROL TRAVERSE POINTS CP 510 (N 340299.837 E 599066.042, EL. 124.97) AND CP 520 (N 340359.878 E 599313.497 N, EL. 133.32).

THE BRIDGE LIES WITHIN 100-YEAR FLOOD LIMITS.
THE BRIDGE IS WITHIN 150' UPLAND REVIEW AREA.

MAP REFERENCES

- MAP OF COBBS ROAD EXTENSION WEST HARTFORD CONN PROPERTY OF LOUIS MITNICK, INC. FEB, 1946 GEORGE R. JENKINSON, CIV ENGR.
- MAP SHOWING RELOCATION OF TROUT BROOK ON PROPERTY OF THE AMERICAN SCHOOL FOR THE DEAF FERN STREET WEST HARTFORD, CONNECTICUT JANUARY 6, 1963, SCALE 1" = 20' REVISED APRIL 12, 1964 GEORGE R. JENKINSON CE AND LS.
- THE AMERICAN SCHOOL FOR THE DEAF PROPERTY/BOUNDARY GENERAL LOCATION SURVEY FOR A LOT SPLT 139 NORTH MAIN STREET WEST HARTFORD, CONNECTICUT. PREPARED BY ALFRED BENESCH AND COMPANY GLASTONBURY, CT SCALE 1"=80' 8/7/13.
- TOWN OF WEST HARTFORD DIVISION OF ENGINEERING MAP SHOWING EASEMENT ACQUIRED FROM AMERICAN SCHOOL FOR THE DEAF BY THE TOWN OF WEST HARTFORD FOR THE RECONSTRUCTION OF FERN STREET, DATED JANUARY 1982, SCALE 1"=20', BY THE TOWN OF WEST HARTFORD ENGINEERING DIVISION.
- PROPERTY OF A. DOUGLAS PROCTOR & CHARLES P. HENRY, SOUTH SIDE OF FERN STREET, WEST HARTFORD, CONNECTICUT, DATED MARCH 1951, SCALE 1"=50', BY GEORGE R. JENKINSON, C.E.

EXISTING	LEGEND	PROPOSED
---	STREET LINE	---
---	PROPERTY LINE	---
---155---	CONTOUR	(155)
x70	SPOT GRADE	+70.5
~	FEDERAL WETLAND BOUNDARY	~
---	WATERCOURSE LINE	---
OHW	ORDINARY HIGH WATER	OHW
100-YR	FEMA 100-YR FLOODPLAIN	100-YR
---	ADJUSTED 100-YR FLOODPLAIN	---
FW	FEMA FLOODWAY	FW
~	TREE LINE	~
~	BRUSH LINE	~
●	TREE	●
---	FENCE	---
---	GUIDERAIL	---
---	STORM DRAIN W/ CATCH BASIN	---
U	UTILITY POLE	U
---	GUY WIRE	---
---	OVERHEAD UTILITY LINE	---
---	SIGN	---
○	IRON PIPE	○
□	MONUMENT	□
○ _{BO}	BOLLARD	○ _{BO}
○ _{RL}	ROOF LEADER	○ _{RL}
⊗	MONITOR WELL	⊗
---	CURB	---
---	METAL BEAM GUIDERAIL	---
---	EASEMENT LINE	---
---	TAKING LINE	---
---	SEDIMENT EROSION CONTROL SYSTEM	---
---	CUT LIMIT	---
---	FILL LIMIT	---
---	BORING	MM-1



TYPICAL ROADWAY SECTION
SCALE: 1/4" = 1'-0"

NOTES

- ON BRIDGE, BINDER COURSE SHALL BE HMA S0.25 (LEVEL 2).



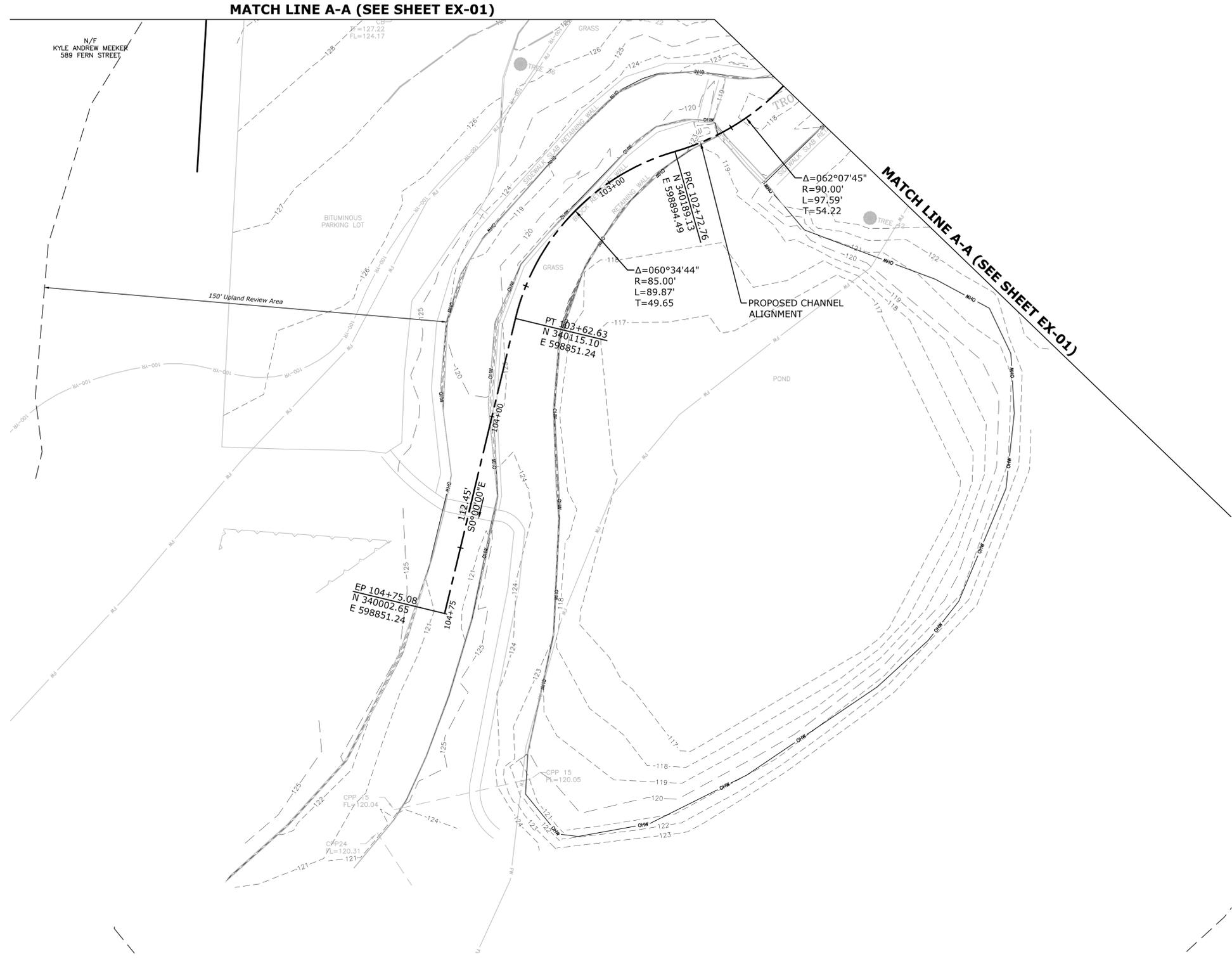
DESCRIPTION	DATE	BY

NOTES, LEGEND & TYPICAL SECTION
REPLACEMENT OF FERN STREET BRIDGE
OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
FERN STREET
WEST HARTFORD, CONNECTICUT

SEP	SEP	AAC
DESIGNED	DRAWN	CHECKED
AS SHOWN		
DATE: JULY 22, 2020		
PROJECT NO. 1197-31		
DRAWING NO. N-01		

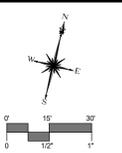
02
SHEET NO.

DRAWN BY: J. MILONE
 CHECKED BY: J. MILONE
 DATE: 07/22/2020



NOTES

1. WETLAND LIMITS SHOWN HAVE BEEN DELINEATED BY MILONE & MACBROOM, INC. ON SEPTEMBER 25, 2019.
2. THE BRIDGE IS WITHIN DESIGNATED WETLANDS ON THE OFFICIAL TOWN WETLAND MAP.



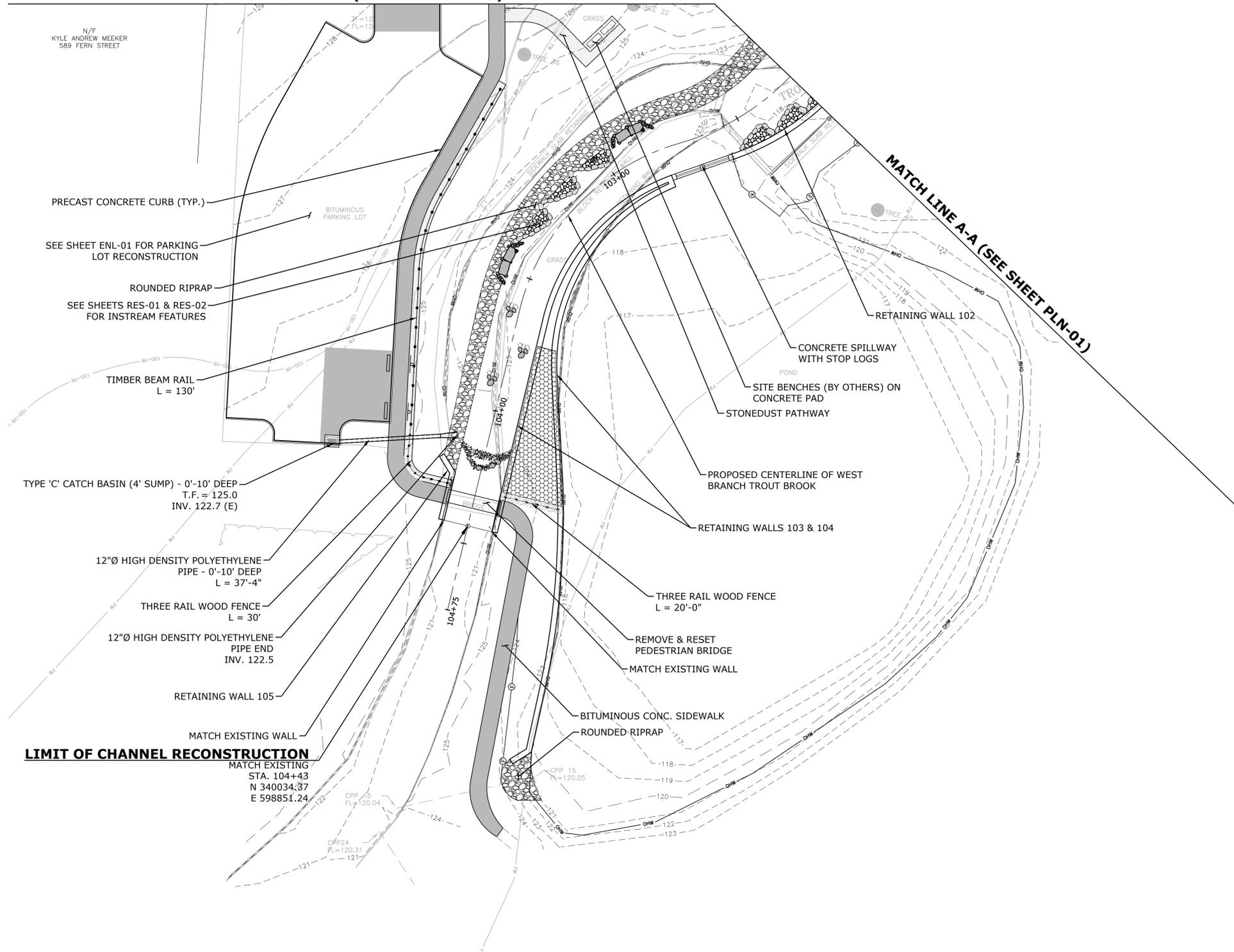
DESCRIPTION	DATE	BY

EXISTING CONDITIONS & BASELINE INFORMATION
 REPLACEMENT OF FERN STREET BRIDGE
 OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

SEP DESIGNED	SEP DRAWN	AAC CHECKED
SCALE 1" = 20'		
DATE JULY 22, 2020		
PROJECT NO. 1197-31		
DRAWING NO. EX-02		

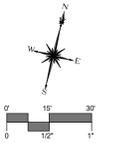
04

MATCH LINE A-A (SEE SHEET PLN-01)



LIMIT OF CHANNEL RECONSTRUCTION

MATCH EXISTING
STA. 104+43
N 340034.37
E 598851.24



DESCRIPTION	DATE	BY

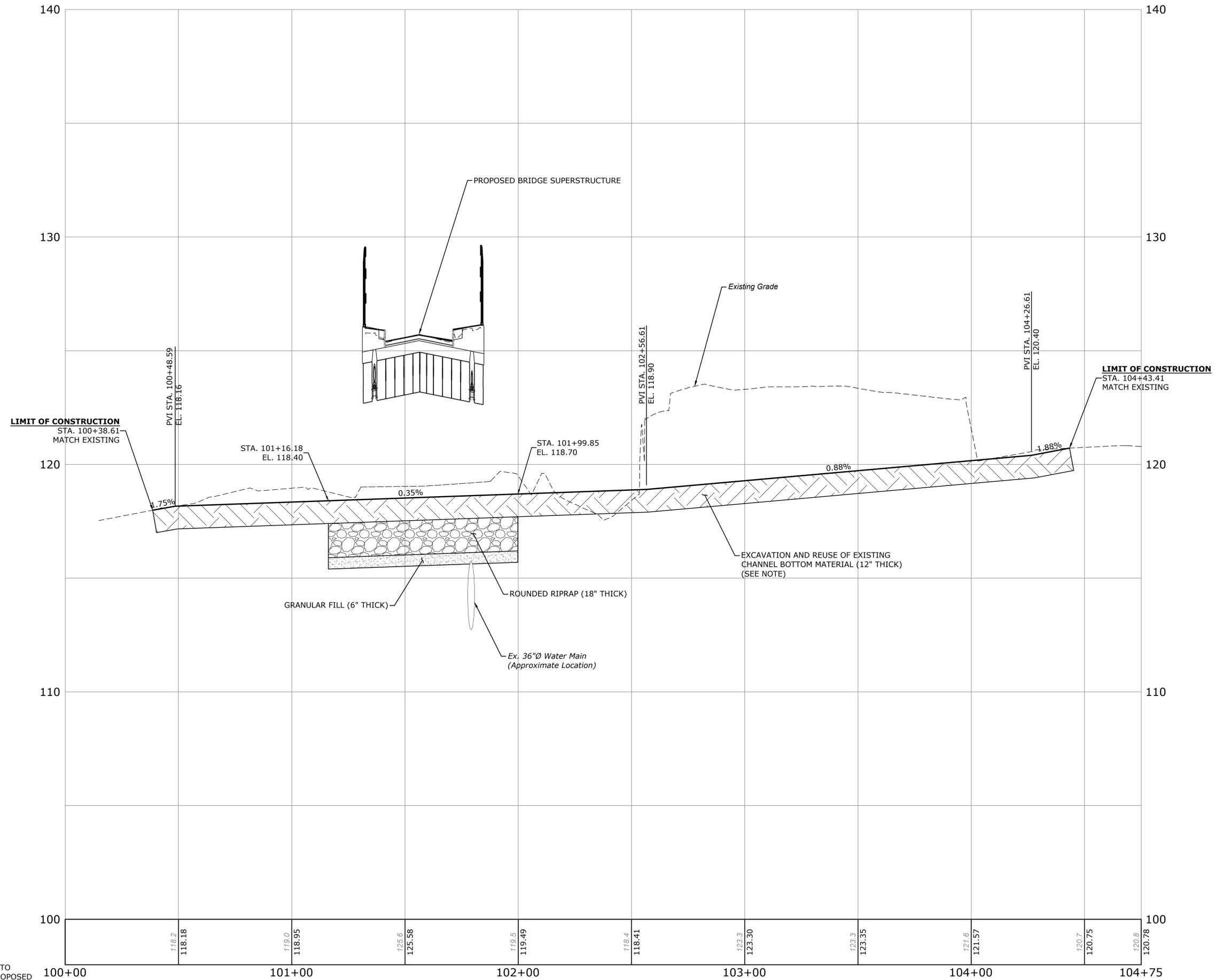
PROPOSED CONDITIONS PLAN
REPLACEMENT OF FERN STREET BRIDGE
OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
FERN STREET
WEST HARTFORD, CONNECTICUT

DESIGNED	SEP	AAC
DRAWN	SEP	CHECKED
SCALE		
1" = 20'		
DATE		
JULY 22, 2020		
PROJECT NO.		
1197-31		
DRAWING NO.		
PLN-02		

06

11/15/2019 11:42 AM 11/15/2019 11:42 AM

10/15/11 - 12:45:00 PM, 10/15/11 - 12:45:00 PM
 10/15/11 - 12:45:00 PM, 10/15/11 - 12:45:00 PM
 10/15/11 - 12:45:00 PM, 10/15/11 - 12:45:00 PM



PROPOSED BRIDGE SUPERSTRUCTURE

Existing Grade

LIMIT OF CONSTRUCTION
 STA. 100+38.61
 MATCH EXISTING

STA. 101+16.18
 EL. 118.40

STA. 101+99.85
 EL. 118.70

PVI STA. 102+56.61
 EL. 118.90

PVI STA. 104+26.61
 EL. 120.40

LIMIT OF CONSTRUCTION
 STA. 104+43.41
 MATCH EXISTING

GRANULAR FILL (6" THICK)

ROUNDED RIPRAP (18" THICK)

Ex. 36"Ø Water Main
 (Approximate Location)

EXCAVATION AND REUSE OF EXISTING
 CHANNEL BOTTOM MATERIAL (12" THICK)
 (SEE NOTE)

NOTE
 IF ADDITIONAL MATERIAL IS NEEDED TO
 COMPLETE CONSTRUCTION OF THE PROPOSED
 CHANNEL, THE MATERIAL SHALL BE PAID UNDER
 ITEM "SUPPLEMENTAL STREAMBED CHANNEL
 MATERIAL".

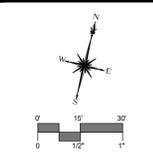
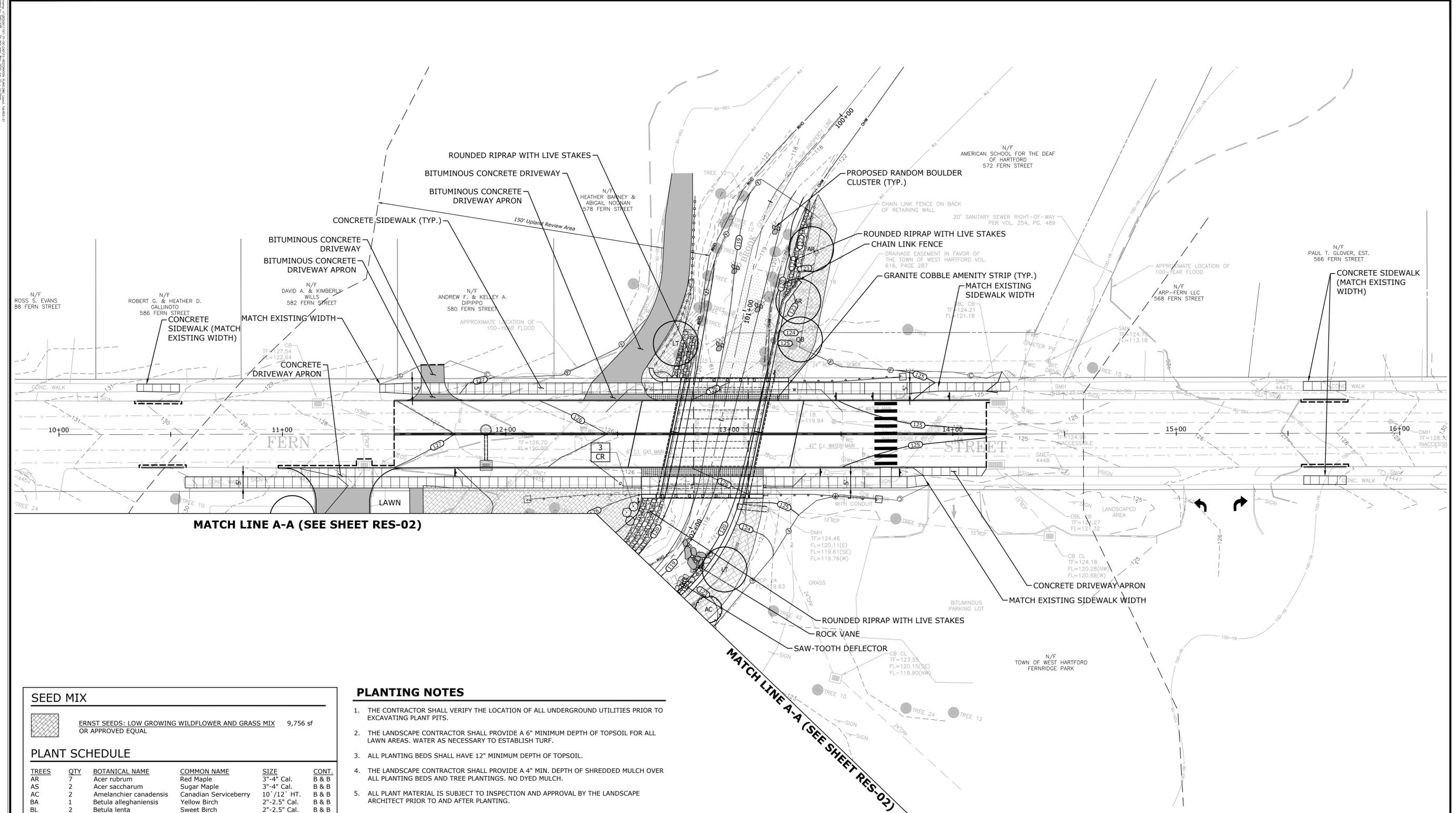


DESCRIPTION	DATE	BY

CHANNEL PROFILE
 REPLACEMENT OF FERN STREET BRIDGE
 OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

SEP DESIGNED	SEP DRAWN	AAC CHECKED
SCALE 1"=20'		
DATE JULY 22, 2020		
PROJECT NO. 1197-31		
DRAWING NO. PRO-02		

09
 SHEET NO.



DATE	BY	DESCRIPTION

CHANNEL RESTORATION & LANDSCAPING PLAN
 REPLACEMENT OF FERN STREET BRIDGE
 OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

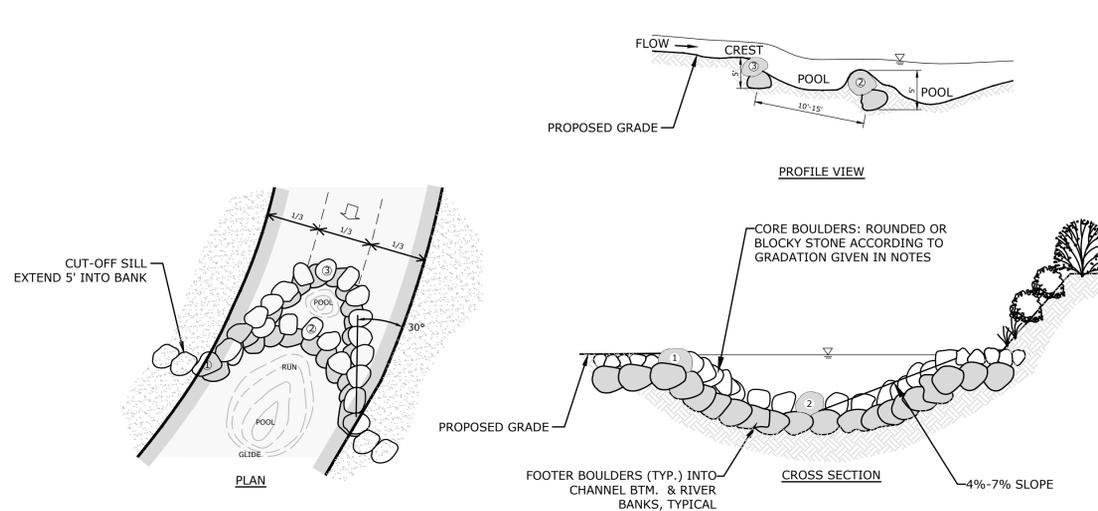
SEED MIX					
ERNST SEEDS: LOW GROWING WILDFLOWER AND GRASS MIX				9,756 sf	
OR APPROVED EQUAL					
PLANT SCHEDULE					
TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
AR	7	Acer rubrum	Red Maple	3"-4" Cal.	B & B
AS	2	Acer saccharum	Sugar Maple	3"-4" Cal.	B & B
AC	2	Amelanchier canadensis	Canadian Serviceberry	10'/12' HT.	B & B
BA	1	Betula alleghaniensis	Yellow Birch	2"-2.5" Cal.	B & B
BL	2	Betula lenta	Sweet Birch	2"-2.5" Cal.	B & B
CC	1	Carpinus caroliniana	American Hornbeam	2"-2.5" Cal.	B & B
CK	2	Cladrasis kentukea	American Yellowwood	3"-3.5" Cal.	B & B
LT	4	Liriodendron tulipifera	Tulip Tree	3"-3.5" Cal.	B & B
QB	4	Quercus bicolor	Swamp White Oak	3"-3.5" Cal.	B & B
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
CR	9	Cornus sericea	Red Twig Dogwood	#3	B & B
IW	11	Ilex verticillata	Winterberry	#3	B & B
SE	9	Sambucus canadensis	Elderberry	#3	B & B
ST	59	Spiraea tomentosa	Steeplebush	#3	B & B
VD	15	Viburnum dentatum	Viburnum	#3	B & B
LIVE STAKES		BOTANICAL NAME	COMMON NAME	CONT.	
AA		Aronia arbutifolia	Red Chokeberry	flat	
CO		Cephalanthus occidentalis	Butterfly Bush	flat	
CA		Cornus amomum	Silky Dogwood	flat	
SP		Salix discolor	Pussy Willow	flat	
HERBACEOUS PLUGS		BOTANICAL NAME	COMMON NAME	CONT.	
AA2		Acorus americanus	Sweet Flag	plug	
AM2		Alisma plantago-aquatica	Mud Plantain	plug	
JE2		Juncus effusus	Soft Rush	plug	
PC2		Pontederia cordata	Pickering Weed	plug	
SL2		Sagittaria latifolia	Lance-Leaved Arrowhead	plug	
SA2		Schoenoplectus acutus	Hardstem Bulrush	plug	

- ### PLANTING NOTES
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS.
 - THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 6" MINIMUM DEPTH OF TOPSOIL FOR ALL LAWN AREAS. WATER AS NECESSARY TO ESTABLISH TURF.
 - ALL PLANTING BEDS SHALL HAVE 12" MINIMUM DEPTH OF TOPSOIL.
 - THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 4" MIN. DEPTH OF SHREDDED MULCH OVER ALL PLANTING BEDS AND TREE PLANTINGS. NO DYED MULCH.
 - ALL PLANT MATERIAL IS SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO AND AFTER PLANTING.
 - PLANT SPECIES MAY BE ADJUSTED BASED ON AVAILABILITY AT TIME OF PLANTING. ALL PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
 - ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, TO INCLUDE PROMPT TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND TO BE IN AN UNHEALTHY CONDITION BY THE LANDSCAPE ARCHITECT. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT LIST.
 - MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY THE LANDSCAPE ARCHITECT. MAINTENANCE SHALL INCLUDE WATERING, MULCHING, TIGHTENING & REPLACING OF GUYS, REPLACEMENT OF SICK OR DEAD PLANTS, RESETTling PLANTS TO PROPER GRADE OR UPRIGHT (PLUMB) POSITION, RESTORATION OF SAUCERS, AND ALL OTHER CARE NEEDED FOR PROPER GROWTH OF THE PLANTS.
 - WHERE A SIZE RANGE IS SPECIFIED AT LEAST 50% OF PLANTS PROVIDED SHALL BE OF THE LARGER SIZE.
 - THE CONTRACTOR SHALL REMOVE TREE STAKES AFTER ONE GROWING SEASON.

REGULATED RESOURCE ACTIVITIES TABLE	
BANK STABILIZATION	1,041 LF
TEMPORARY IMPACTS BELOW O.H.W.L.	9,118 SF
PERMANENT IMPACTS BELOW O.H.W.L.	12,022 SF
100-YR FLOOD ZONE	31 CY (FILL) 21 CY (CUT) 10 CY (NET FILL)
100-YR FLOODWAY	1,234 CY (FILL) 769 CY (CUT) 465 CY (NET FILL)
150' UPLAND REVIEW AREA	65,183 SF

MTD/JCM	NK/FRM	AAC
DESIGNED	DRAWN	CHECKED
SCALE: 1" = 20'		
DATE: JULY 22, 2020		
PROJECT NO.: 1197-31		
DRAWING NO.: RES-01		
11		

MILONE & MACBROOM, INC. 99 BEAULTY DRIVE, CHESHIRE, CT 06810 WWW.MILONEANDMACBROOM.COM



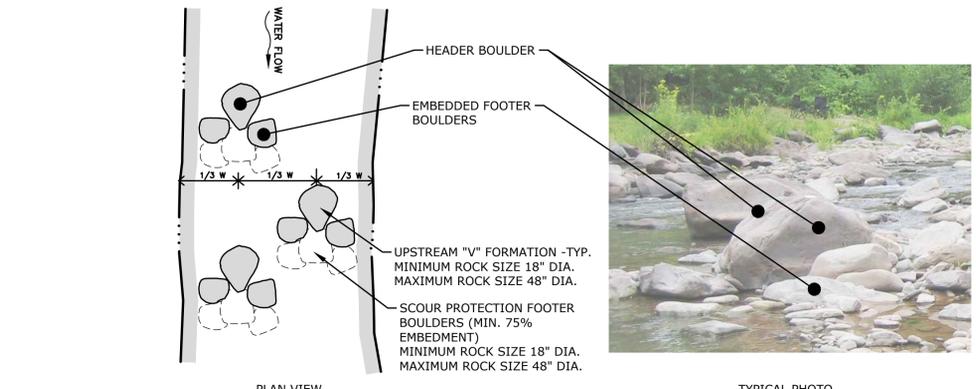
ROCK WEIR
NOT TO SCALE

DETAIL ADAPTED FROM "CROSS-VANE, W-WEIR, AND J-HOOK VANE STRUCTURES" (UPDATED 2006) BY DAVID L. ROSGEN, WILDLAND HYDROLOGY, INC.

NOTES:

- CORE AND FOOTER BOULDERS SHALL CONSIST OF ROUNDED OR BLOCKY STONE. RIPRAP WILL NOT BE PERMITTED.
- CORE AND FOOTER BOULDERS SHALL CONFORM TO THE FOLLOWING GRADATION:

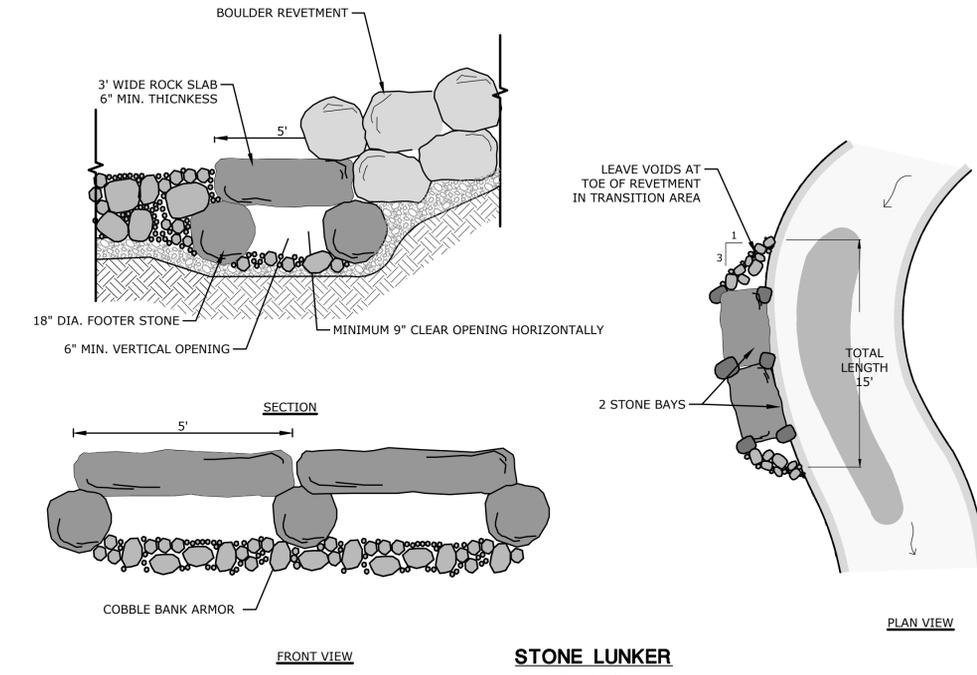
SIZE	% OF THE WEIGHT (BY MASS)
>18"	0
10"-18"	40-60
6"-10"	40-60
- COMPACT BACKFILL IN BANK.
- PLAN LAYOUT SO CENTER OF STEP CURVES UPSTREAM.
- STONES SHALL BE EMBEDDED SUCH THAT THEY DO NOT RISE MORE THAN 9" ABOVE UPSTREAM BED ELEVATION



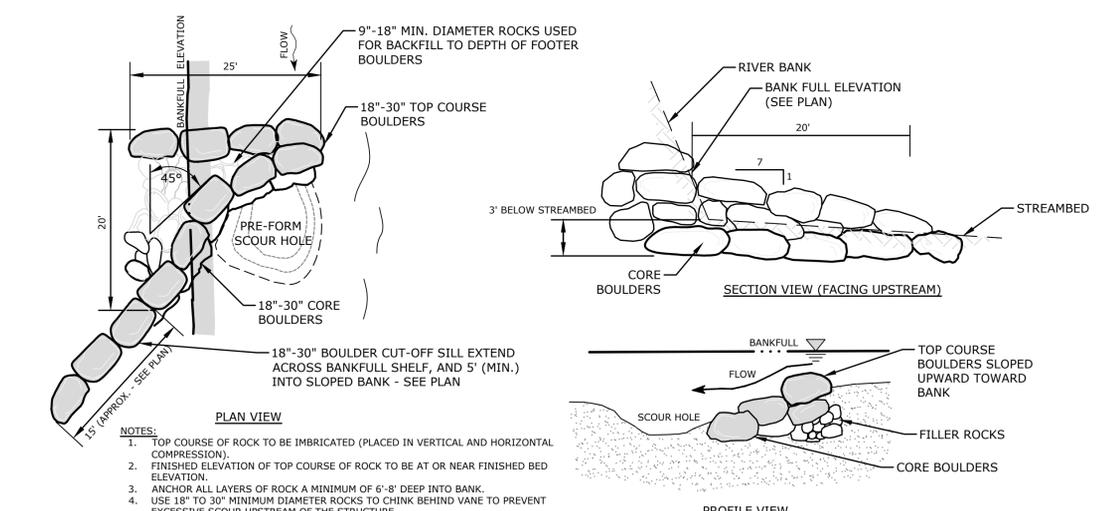
RANDOM BOULDER CLUSTER
NOT TO SCALE

NOTES:

- 3 BOULDERS PER RANDOM BOULDER CLUSTER, PLUS 3 SCOUR PROTECTION FOOTER BOULDERS. EACH COMPLETE BOULDER CLUSTER SHALL BE PAID UNDER THE ITEM "PLACEMENT OF CHANNEL BOULDER."
- PLACE BOULDERS IN THE MIDDLE THIRD OF THE STREAM WITHIN DEEPEST PORTION OF CHANNEL.
- POSITION BOULDER GROUPS IN AN UPSTREAM "V" FORMATION.
- INDIVIDUAL BOULDERS PLACED IN THE STREAM SHOULD BE 18" TO 48" IN DIAMETER.
- POSITION BOULDERS WITH THEIR LONG AXIS PARALLEL TO THE STREAM FLOW.
- INSTALL FOOTER BOULDER TO WEDGE HEADER BOULDER IN PLACE FROM DOWNSTREAM.
- INSTALL HEADER BOULDERS AT A LOW PROFILE SUCH THAT THEY ARE PARTIALLY SUBMERGED DURING NORMAL LOW FLOW. INSTALL SUCH THAT 1/2 OF ROCK DIAMETER IS BURIED IN STREAM CHANNEL.
- FINISHED ELEVATION OF THE BOULDERS WILL BE DETERMINED IN THE FIELD.

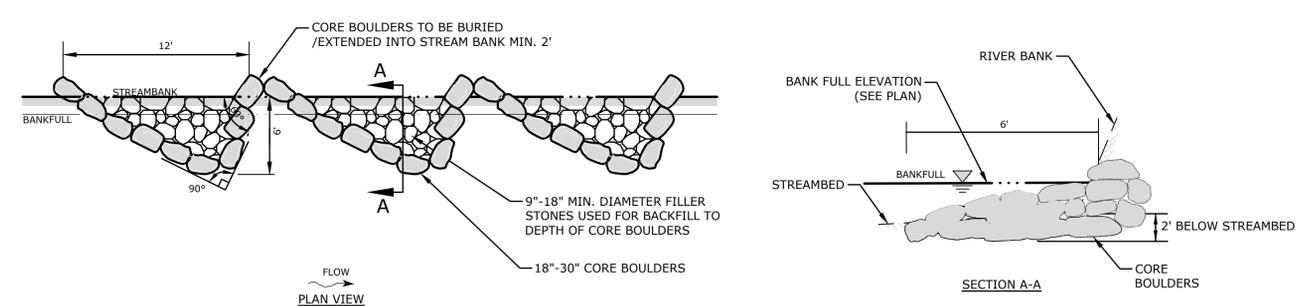


STONE LUNKER
NOT TO SCALE



ROCK VANE
NOT TO SCALE

- NOTES:**
- TOP COURSE OF ROCK TO BE IMBRICATED (PLACED IN VERTICAL AND HORIZONTAL COMPRESSION).
 - FINISHED ELEVATION OF TOP COURSE OF ROCK TO BE AT OR NEAR FINISHED BED ELEVATION.
 - ANCHOR ALL LAYERS OF ROCK A MINIMUM OF 6'-8" DEEP INTO BANK.
 - USE 18" TO 30" MINIMUM DIAMETER ROCKS TO CHINK BEHIND VANE TO PREVENT EXCESSIVE SCOUR UPSTREAM OF THE STRUCTURE.



SAW-TOOTH DEFLECTOR
NOT TO SCALE

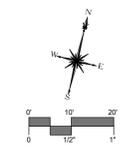
- NOTES:**
- TOP COURSE OF ROCK TO BE IMBRICATED (PLACED IN VERTICAL AND HORIZONTAL COMPRESSION).
 - ANCHOR ALL LAYERS OF ROCK A MINIMUM OF 2' DEEP INTO BANK.
 - PLACEMENT OF ROCKS TO CONSTRUCT THE SAWTOOTH DEFLECTOR SHALL BE DIRECTED IN THE FIELD BY THE ENGINEER OR THEIR AUTHORIZED REPRESENTATIVE.



DESCRIPTION	DATE	BY

CHANNEL RESTORATION DETAILS
REPLACEMENT OF FERN STREET BRIDGE
OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
FERN STREET
WEST HARTFORD, CONNECTICUT

DESIGNED	FRM	JCM
DRAWN		CHECKED
SCALE	N.T.S	
DATE	JULY 22, 2020	
PROJECT NO.	1197-31	
DRAWING NO.	RES-03	

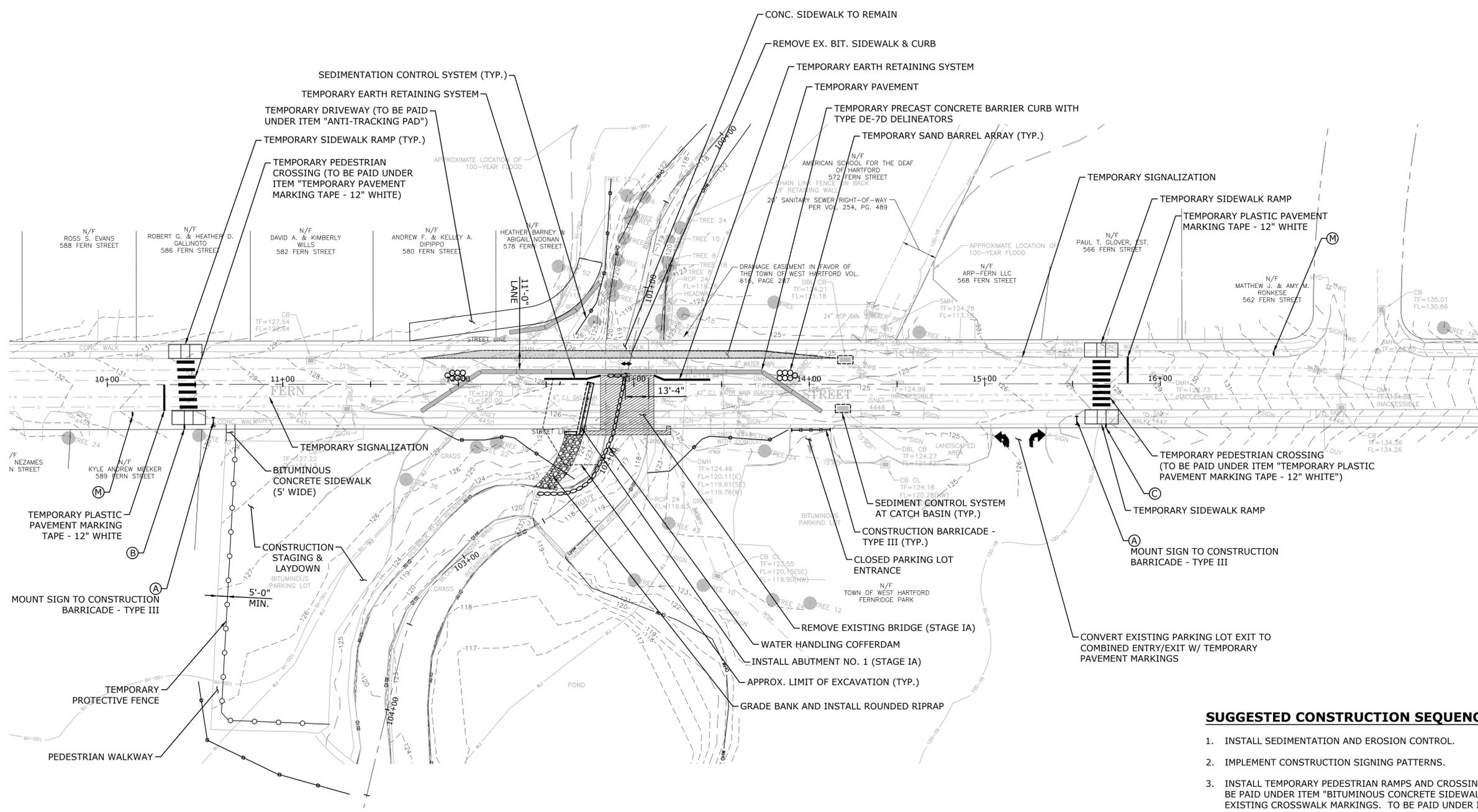


DESCRIPTION	DATE	BY

CONSTRUCTION STAGING PLAN - STAGE IA
 REPLACEMENT OF FERN STREET BRIDGE
 OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

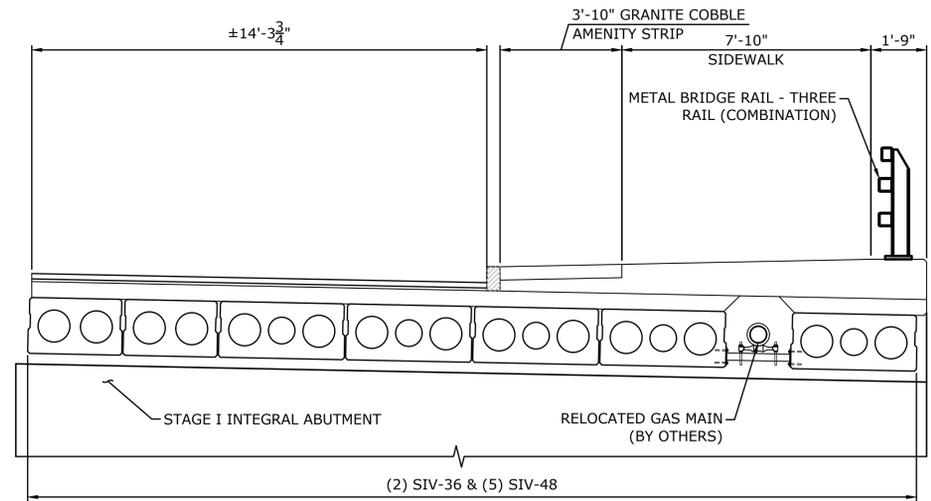
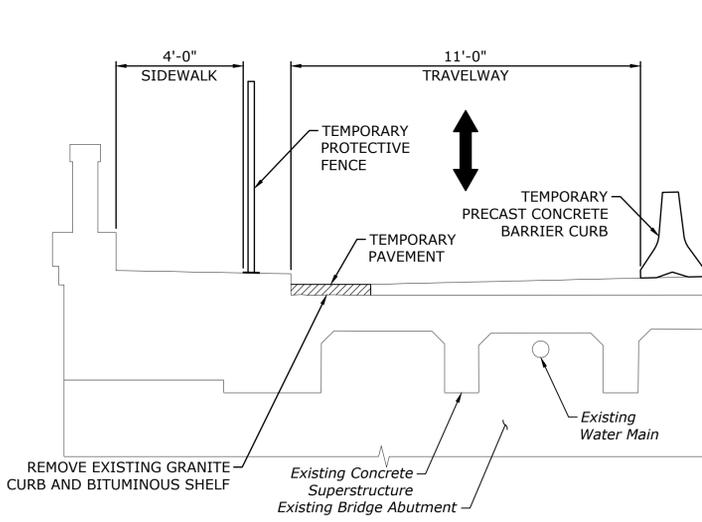
SEP	SEP	AAC
DESIGNED	DRAWN	CHECKED
SCALE: 1"=30'		
DATE: JULY 22, 2020		
PROJECT NO.: 1197-31		
DRAWING NO.: MPT-01		

43



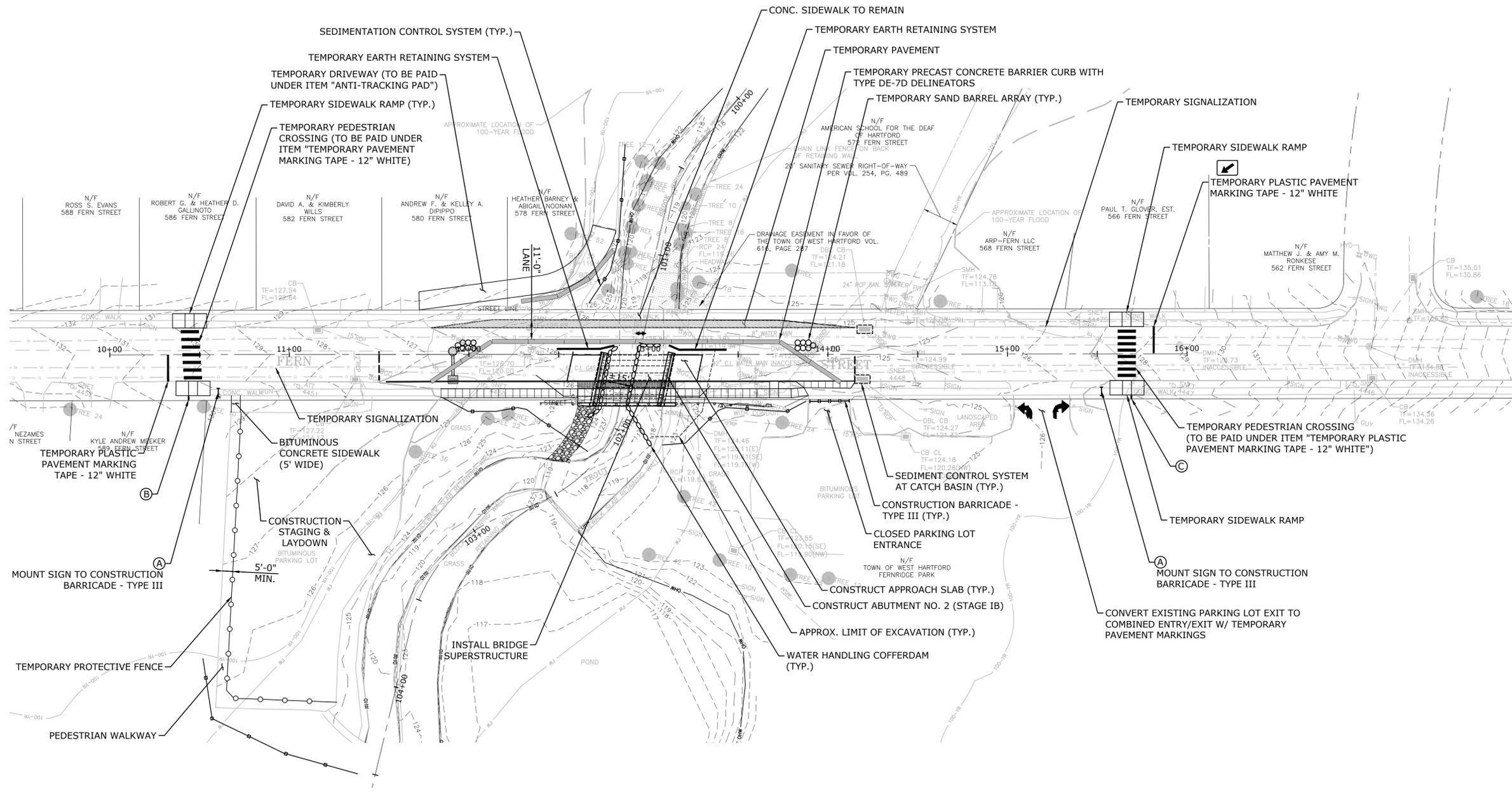
SUGGESTED CONSTRUCTION SEQUENCE - STAGE IA

1. INSTALL SEDIMENTATION AND EROSION CONTROL.
2. IMPLEMENT CONSTRUCTION SIGNING PATTERNS.
3. INSTALL TEMPORARY PEDESTRIAN RAMPS AND CROSSINGS AS SHOWN. TO BE PAID UNDER ITEM "BITUMINOUS CONCRETE SIDEWALK". REMOVE EXISTING CROSSWALK MARKINGS. TO BE PAID UNDER ITEM "REMOVAL OF PAVEMENT MARKINGS".
4. REMOVE EXISTING BITUMINOUS CONCRETE SHOULDER ON THE NORTH SIDE OF THE BRIDGE.
5. INSTALL TEMPORARY PAVEMENT.
6. INSTALL TEMPORARY SIDEWALK RAMPS, CROSSWALKS, AND PEDESTRIAN WALKWAY TO PEDESTRIAN BRIDGE.
7. CONSTRUCT TEMPORARY DRIVEWAY.
8. INSTALL TEMPORARY TRAFFIC SIGNAL.
9. CLOSE THE EASTBOUND LANE AND IMPLEMENT ALTERNATING ONE WAY TRAFFIC.
10. REMOVE THE EXISTING BRIDGE SUPERSTRUCTURE TO THE LIMITS SHOWN ON PLANS.
11. INSTALL STAGE IA WATER HANDLING COFFERDAMS.
12. INSTALL TEMPORARY EARTH RETAINING SYSTEM.
13. REMOVE THE EXISTING WESTERN ABUTMENT AND PORTION OF SOUTHWEST CHANNEL WALL TO THE LIMITS SHOWN ON PLANS.
14. CONSTRUCT STAGE IA OF ABUTMENT NO. 1 AND WINGWALL 1B.
15. PLACE CHANNEL ARMORING AT ABUTMENT NO. 1. CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING IN THE VICINITY OF THE WATER MAIN.
16. GRADE BANK AND INSTALL ROUNDED RIPRAP AT SOUTHWEST CORNER OF THE BRIDGE AS SHOWN.



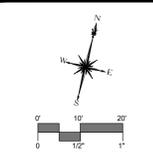
STAGE I - BRIDGE CROSS SECTION
SCALE: 3/8" = 1'-0"

SHEET NO. 44 OF 44
 PROJECT NO. 1197-31
 DRAWING NO. MPT-02
 DATE: JULY 22, 2020
 SCALE: 1"=30'
 PROJECT: REPLACEMENT OF FERN STREET BRIDGE OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 LOCATION: WEST HARTFORD, CONNECTICUT
 CLIENT: TOWN OF WEST HARTFORD
 DESIGNER: MILONE & MACBROOM, INC.
 DRAWN BY: [REDACTED]
 CHECKED BY: [REDACTED]



SUGGESTED CONSTRUCTION SEQUENCE - STAGE IB

1. INSTALL STAGE IB WATER HANDLING COFFERDAMS.
2. REMOVE THE EXISTING EASTERN ABUTMENT TO THE LIMITS SHOWN ON PLANS.
3. CONSTRUCT STAGE IB OF ABUTMENT NO. 2 AND WINGWALL 2B.
4. PLACE CHANNEL ARMORING FOR PHASE IB. CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING IN THE VICINITY OF THE WATER MAIN.
5. REMOVE WATER HANDLING COFFERDAMS AS NEEDED TO INSTALL THE BRIDGE SUPERSTRUCTURE. WATER HANDLING COFFERDAMS SHALL REMAIN PARTIALLY IN PLACE TO PROTECT THE AREA BETWEEN THE NEWLY CONSTRUCTED ABUTMENTS AND EXISTING ABUTMENTS AND AT THE SOUTHEASTERLY CORNER OF ABUTMENT NO. 2.
6. CONSTRUCT STAGE I SUPERSTRUCTURE AND APPROACH SLABS.
7. INSTALL PROPOSED DRAINAGE.
8. CONSTRUCT CONCRETE SIDEWALKS AND GRANITE STONE CURBING AS SHOWN.
9. INSTALL WATERPROOFING MEMBRANE & STAGE I BITUMINOUS CONCRETE OVERLAY.
10. INSTALL STAGE I BRIDGE RAIL AND APPROACH GUIDERAIL.
11. INSTALL STAGE II LANE CLOSURE, ADJUST PEDESTRIAN DETOUR SIGNAGE, OPEN THE EASTBOUND LANE TO ALTERNATING ONE-WAY TRAFFIC, AND CLOSE THE WESTBOUND LANE.

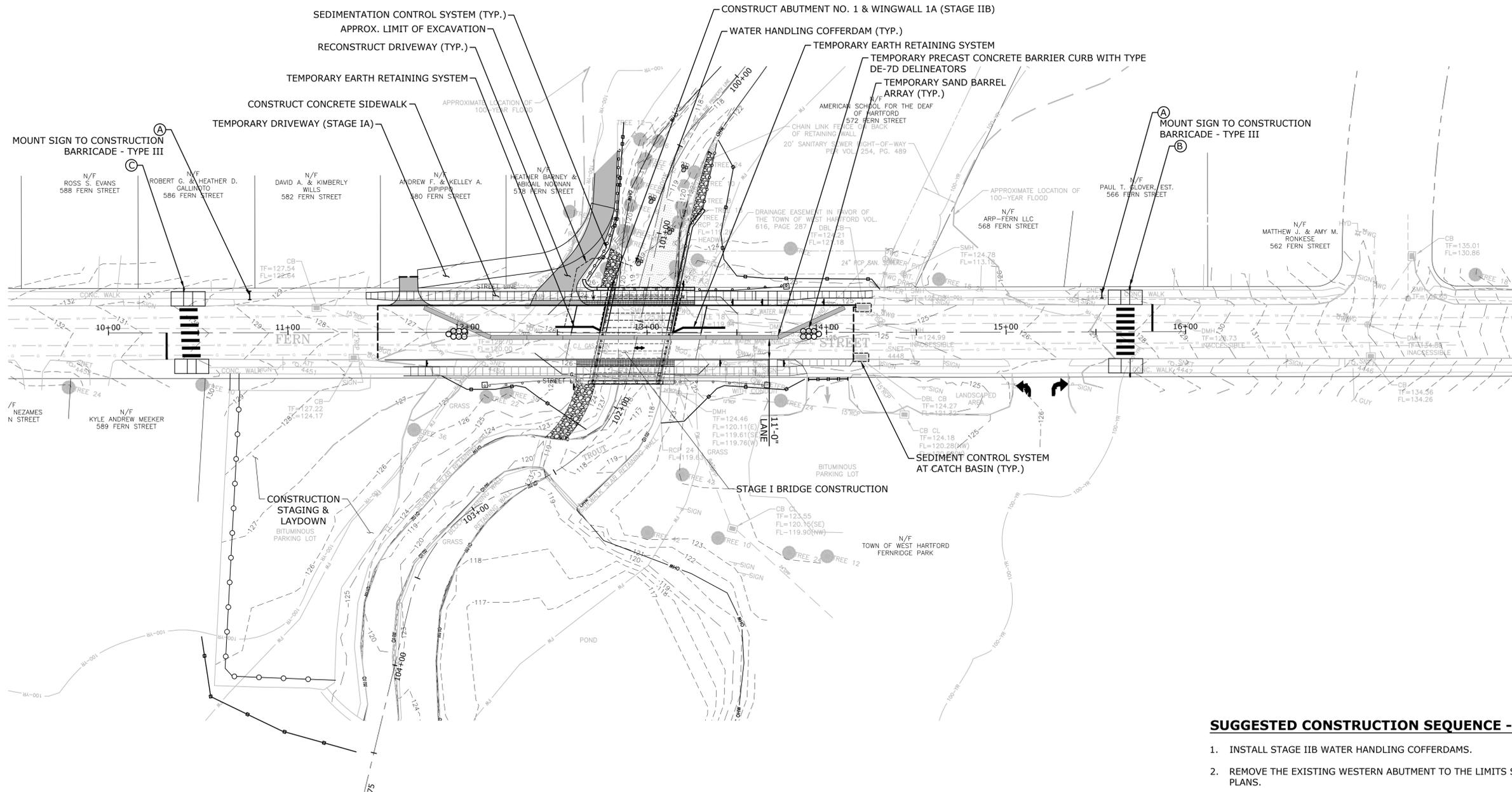


DESCRIPTION	DATE	BY

CONSTRUCTION STAGING PLAN - STAGE IB
 REPLACEMENT OF FERN STREET BRIDGE
 OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

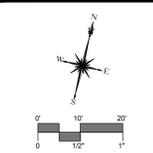
SEP DESIGNED	SEP DRAWN	AAC CHECKED
SCALE 1"=30'		
DATE JULY 22, 2020		
PROJECT NO. 1197-31		
DRAWING NO. MPT-02		
44		

PROJECT: 12-19-2019, 10:00 AM, 100% DESIGN, 100% PERMITS, 100% CONSTRUCTION, 100% AS-BUILT, 100% FINAL



SUGGESTED CONSTRUCTION SEQUENCE - STAGE IIB

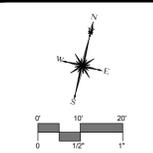
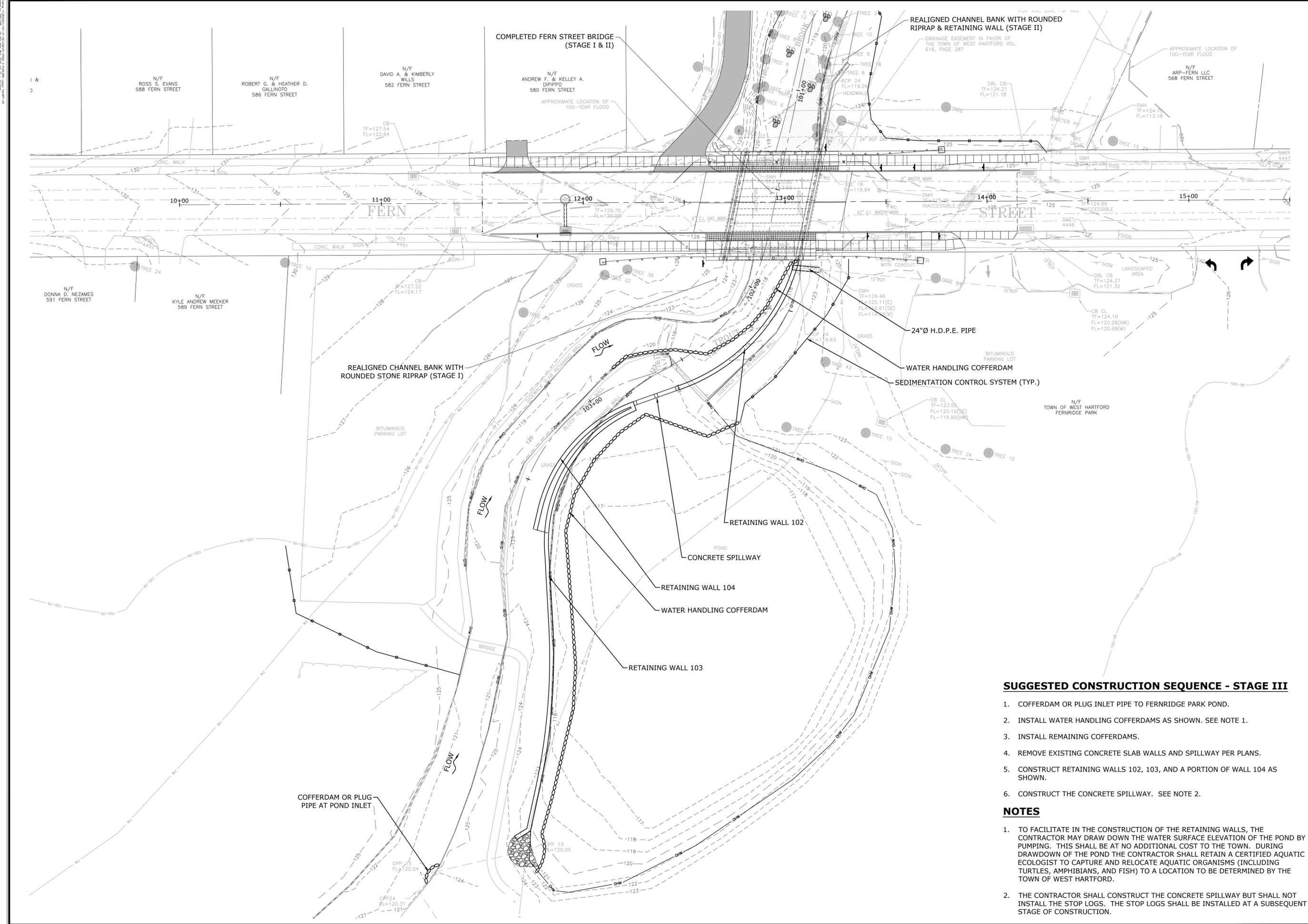
1. INSTALL STAGE IIB WATER HANDLING COFFERDAMS.
2. REMOVE THE EXISTING WESTERN ABUTMENT TO THE LIMITS SHOWN ON THE PLANS.
3. CONSTRUCT STAGE IIB OF ABUTMENT NO. 1 AND WINGWALL 1A.
4. PLACE CHANNEL ARMORING AT ABUTMENT NO. 1 FOR PHASE IIB.
5. REMOVE WATER HANDLING COFFERDAMS EXCEPT THOSE LOCATED AT THE SOUTHEASTERN CORNER OF ABUTMENT NO. 2.
6. REMOVE TEMPORARY EARTH RETAINING SYSTEMS.
7. CONSTRUCT END BLOCK 1A.
8. CONSTRUCT STAGE II SUPERSTRUCTURE AND APPROACH SLABS.
9. REMOVE TEMPORARY SIDEWALK RAMPS AND PEDESTRIAN CROSSINGS. CONSTRUCT CONCRETE SIDEWALKS, RECONSTRUCT DRIVEWAYS, AND PLACE GRANITE STONE CURBING AS SHOWN.
10. INSTALL MEMBRANE WATERPROOFING & STAGE II BITUMINOUS CONCRETE OVERLAY.
11. INSTALL STAGE II BRIDGE RAIL AND APPROACH GUIDERAIL.
12. REMOVE TEMPORARY SIGNALIZATION AND RESTORE ORIGINAL TRAFFIC PATTERNS.
13. REGRADE CHANNEL DOWNSTREAM OF THE BRIDGE AND PLACE RANDOM BOULDER CLUSTERS AS SHOWN. ANY UNCONFINED IN WATER WORK IS RESTRICTED TO THE PERIOD FROM JUNE 1 THROUGH SEPTEMBER 30, INCLUSIVE.
14. PLACE ROUNDED RIPRAP AT NORTHEASTERN BANK.
15. FINALIZE GRADING AND TURF ESTABLISHMENT ALONG THE NORTH SIDE OF FERN STREET.



DESCRIPTION	DATE	BY

CONSTRUCTION STAGING PLAN - STAGE IIB
 REPLACEMENT OF FERN STREET BRIDGE
 OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

SEP	SEP	AAC
DESIGNED	DRAWN	CHECKED
SCALE: 1"=30'		
DATE: JULY 22, 2020		
PROJECT NO.: 1197-31		
DRAWING NO.: MPT-04		
46		



DESCRIPTION	DATE	BY

CONSTRUCTION STAGING PLAN - STAGE III
REPLACEMENT OF FERN STREET BRIDGE
OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

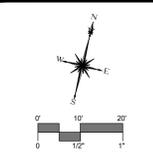
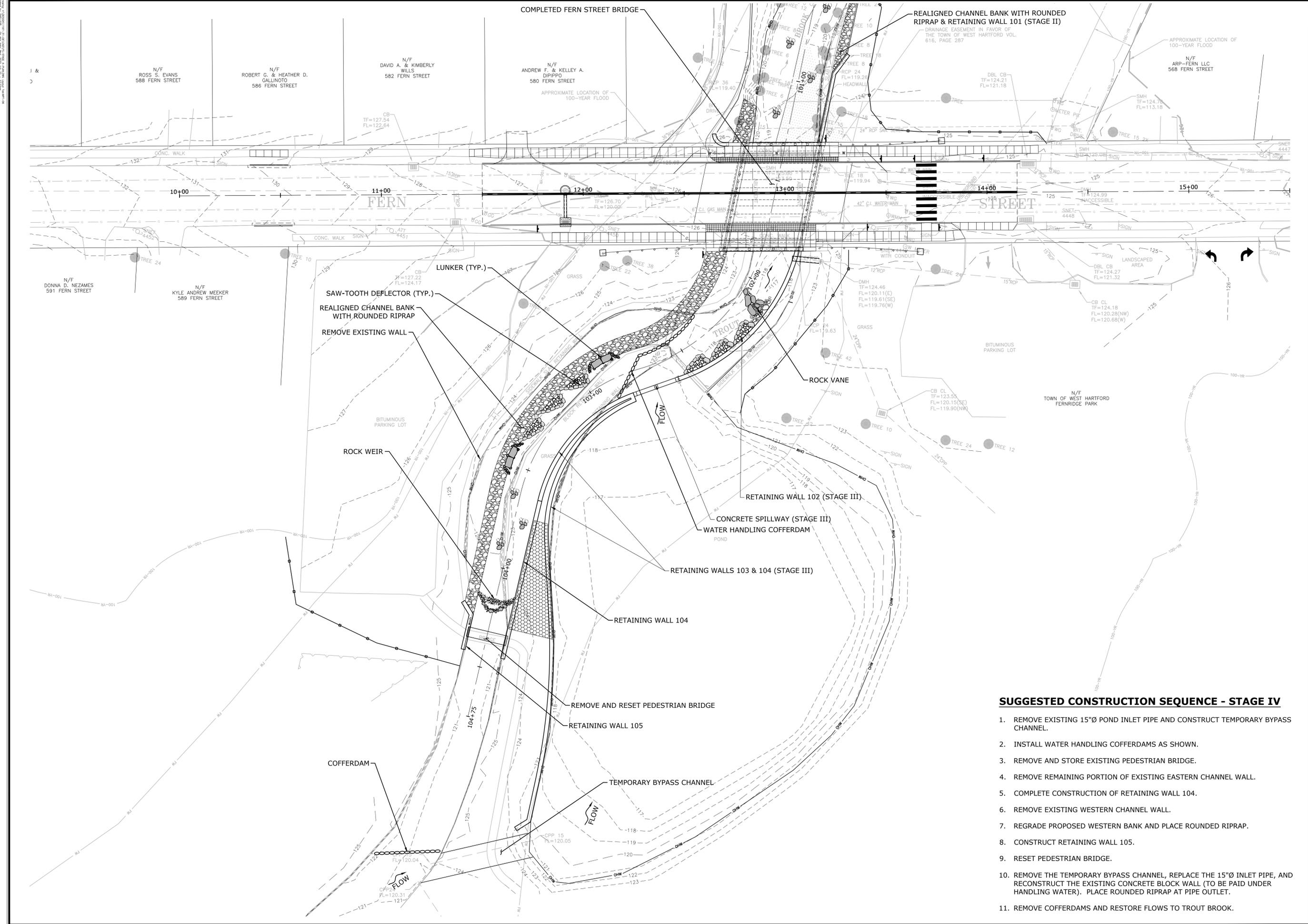
SUGGESTED CONSTRUCTION SEQUENCE - STAGE III

1. COFFERDAM OR PLUG INLET PIPE TO FERNRIDGE PARK POND.
2. INSTALL WATER HANDLING COFFERDAMS AS SHOWN. SEE NOTE 1.
3. INSTALL REMAINING COFFERDAMS.
4. REMOVE EXISTING CONCRETE SLAB WALLS AND SPILLWAY PER PLANS.
5. CONSTRUCT RETAINING WALLS 102, 103, AND A PORTION OF WALL 104 AS SHOWN.
6. CONSTRUCT THE CONCRETE SPILLWAY. SEE NOTE 2.

NOTES

1. TO FACILITATE IN THE CONSTRUCTION OF THE RETAINING WALLS, THE CONTRACTOR MAY DRAW DOWN THE WATER SURFACE ELEVATION OF THE POND BY PUMPING. THIS SHALL BE AT NO ADDITIONAL COST TO THE TOWN. DURING DRAWDOWN OF THE POND THE CONTRACTOR SHALL RETAIN A CERTIFIED AQUATIC ECOLOGIST TO CAPTURE AND RELOCATE AQUATIC ORGANISMS (INCLUDING TURTLES, AMPHIBIANS, AND FISH) TO A LOCATION TO BE DETERMINED BY THE TOWN OF WEST HARTFORD.
2. THE CONTRACTOR SHALL CONSTRUCT THE CONCRETE SPILLWAY BUT SHALL NOT INSTALL THE STOP LOGS. THE STOP LOGS SHALL BE INSTALLED AT A SUBSEQUENT STAGE OF CONSTRUCTION.

SEP	SEP	AAC
DESIGNED	DRAWN	CHECKED
SCALE 1"=10'		
DATE JULY 22, 2020		
PROJECT NO. 1197-31		
DRAWING NO. MPT-05		
47		



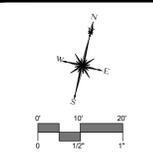
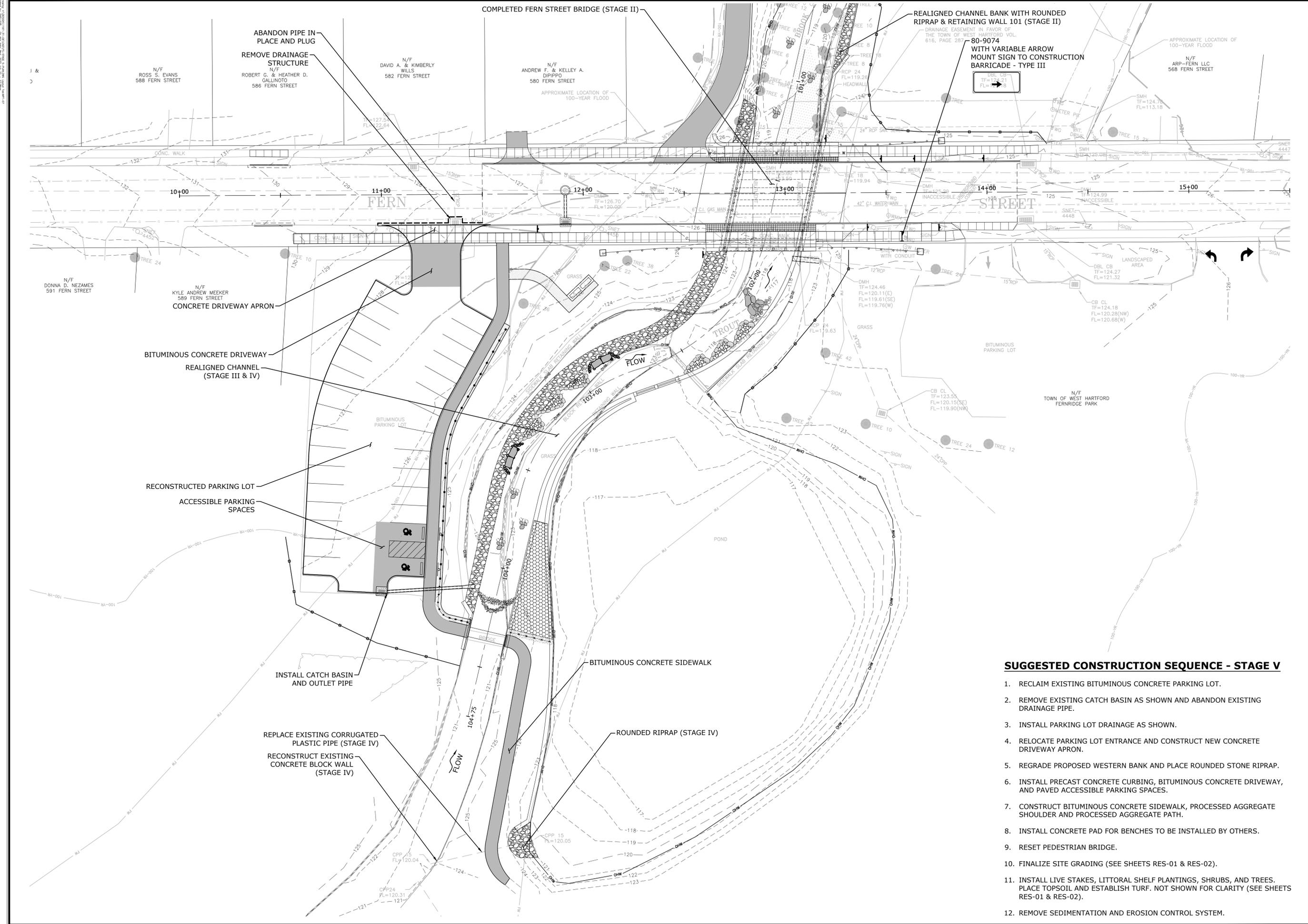
DESCRIPTION	DATE	BY

CONSTRUCTION STAGING PLAN - STAGE IV
REPLACEMENT OF FERN STREET BRIDGE
OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

SUGGESTED CONSTRUCTION SEQUENCE - STAGE IV

1. REMOVE EXISTING 15"Ø POND INLET PIPE AND CONSTRUCT TEMPORARY BYPASS CHANNEL.
2. INSTALL WATER HANDLING COFFERDAMS AS SHOWN.
3. REMOVE AND STORE EXISTING PEDESTRIAN BRIDGE.
4. REMOVE REMAINING PORTION OF EXISTING EASTERN CHANNEL WALL.
5. COMPLETE CONSTRUCTION OF RETAINING WALL 104.
6. REMOVE EXISTING WESTERN CHANNEL WALL.
7. REGRADE PROPOSED WESTERN BANK AND PLACE ROUNDED RIPRAP.
8. CONSTRUCT RETAINING WALL 105.
9. RESET PEDESTRIAN BRIDGE.
10. REMOVE THE TEMPORARY BYPASS CHANNEL, REPLACE THE 15"Ø INLET PIPE, AND RECONSTRUCT THE EXISTING CONCRETE BLOCK WALL (TO BE PAID UNDER HANDLING WATER). PLACE ROUNDED RIPRAP AT PIPE OUTLET.
11. REMOVE COFFERDAMS AND RESTORE FLOWS TO TROUT BROOK.

SEP	SEP	AAC
DESIGNED	DRAWN	CHECKED
SCALE: 1"=20'		
DATE: JULY 22, 2020		
PROJECT NO.: 1197-31		
DRAWING NO.: MPT-06		
48		



DESCRIPTION	DATE	BY

CONSTRUCTION STAGING PLAN - STAGE IV
REPLACEMENT OF FERN STREET BRIDGE
OVER WEST BRANCH TROUT BROOK (BRIDGE NO. 04081)
 FERN STREET
 WEST HARTFORD, CONNECTICUT

SUGGESTED CONSTRUCTION SEQUENCE - STAGE V

1. RECLAIM EXISTING BITUMINOUS CONCRETE PARKING LOT.
2. REMOVE EXISTING CATCH BASIN AS SHOWN AND ABANDON EXISTING DRAINAGE PIPE.
3. INSTALL PARKING LOT DRAINAGE AS SHOWN.
4. RELOCATE PARKING LOT ENTRANCE AND CONSTRUCT NEW CONCRETE DRIVEWAY APRON.
5. REGRADE PROPOSED WESTERN BANK AND PLACE ROUNDED STONE RIPRAP.
6. INSTALL PRECAST CONCRETE CURBING, BITUMINOUS CONCRETE DRIVEWAY, AND PAVED ACCESSIBLE PARKING SPACES.
7. CONSTRUCT BITUMINOUS CONCRETE SIDEWALK, PROCESSED AGGREGATE SHOULDER AND PROCESSED AGGREGATE PATH.
8. INSTALL CONCRETE PAD FOR BENCHES TO BE INSTALLED BY OTHERS.
9. RESET PEDESTRIAN BRIDGE.
10. FINALIZE SITE GRADING (SEE SHEETS RES-01 & RES-02).
11. INSTALL LIVE STAKES, LITTORAL SHELF PLANTINGS, SHRUBS, AND TREES. PLACE TOPSOIL AND ESTABLISH TURF. NOT SHOWN FOR CLARITY (SEE SHEETS RES-01 & RES-02).
12. REMOVE SEDIMENTATION AND EROSION CONTROL SYSTEM.

SEP	SEP	AAC
DESIGNED	DRAWN	CHECKED
SCALE 1"=20'		
DATE JULY 22, 2020		
PROJECT NO. 1197-31		
DRAWING NO. MPT-07		
49		