

INLAND WETLANDS COMMISSION
TUESDAY, November 10, 2020
ZOOM Meeting

- A) Call to Order & Roll Call
- B) Appointment of Alternates

Agenda Item C.a.
Action on Minutes of Previous Meeting
Minutes of October 13, 2020

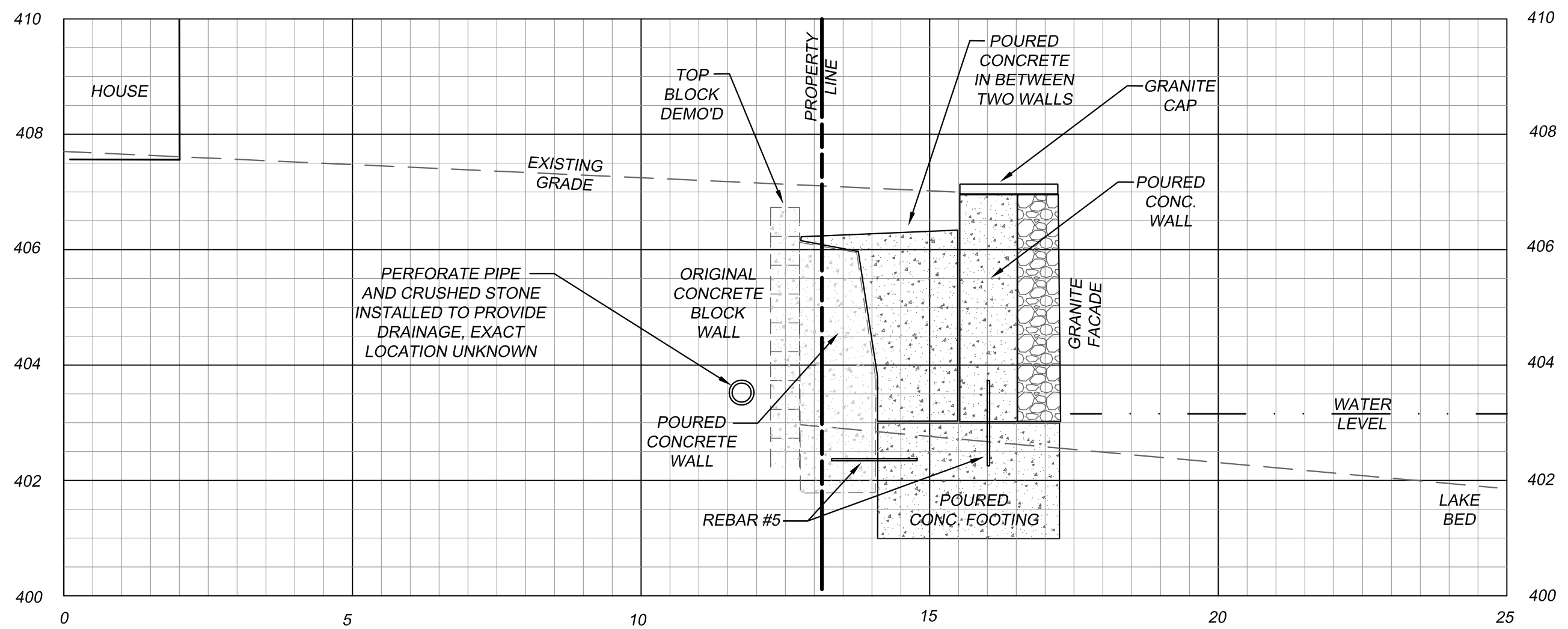
Agenda Item D.
Citizens Comments on Agenda Items

Agenda Item E.a) 1. Old Applications

WAA20009 Hallet T. Merrick, 0 Plum Road, Assessor's map 85, block 52, lot 12, construction of single family home, septic system and portion of home proposed in 100 foot upland review area, stamped received 4/13/2020, under review pending receipt of additional information.

Agenda Item E.a) 2.Old Applications

IWA20011 James Jasmine, 518 Brandy Hill Rd, Assessor's map 143, block 16, lot 37, after-the-fact application for partial demolition of retaining wall and construction of new retaining wall on Quaddick Reservoir, stamped received 5/6/2020, statutorily received 5/14/2020.

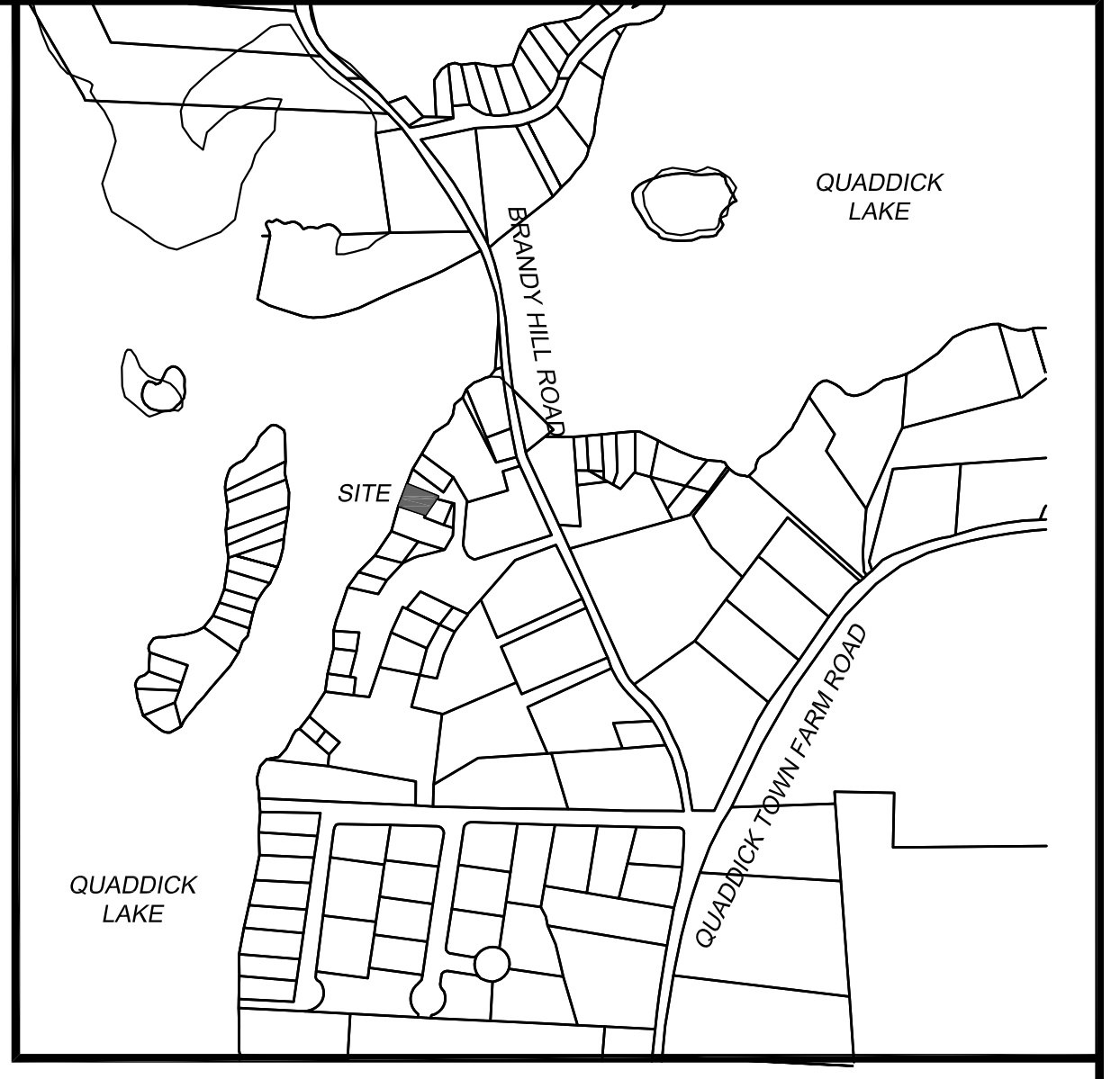


RETAINING WALL CROSS SECTION A-A
1" = 2'

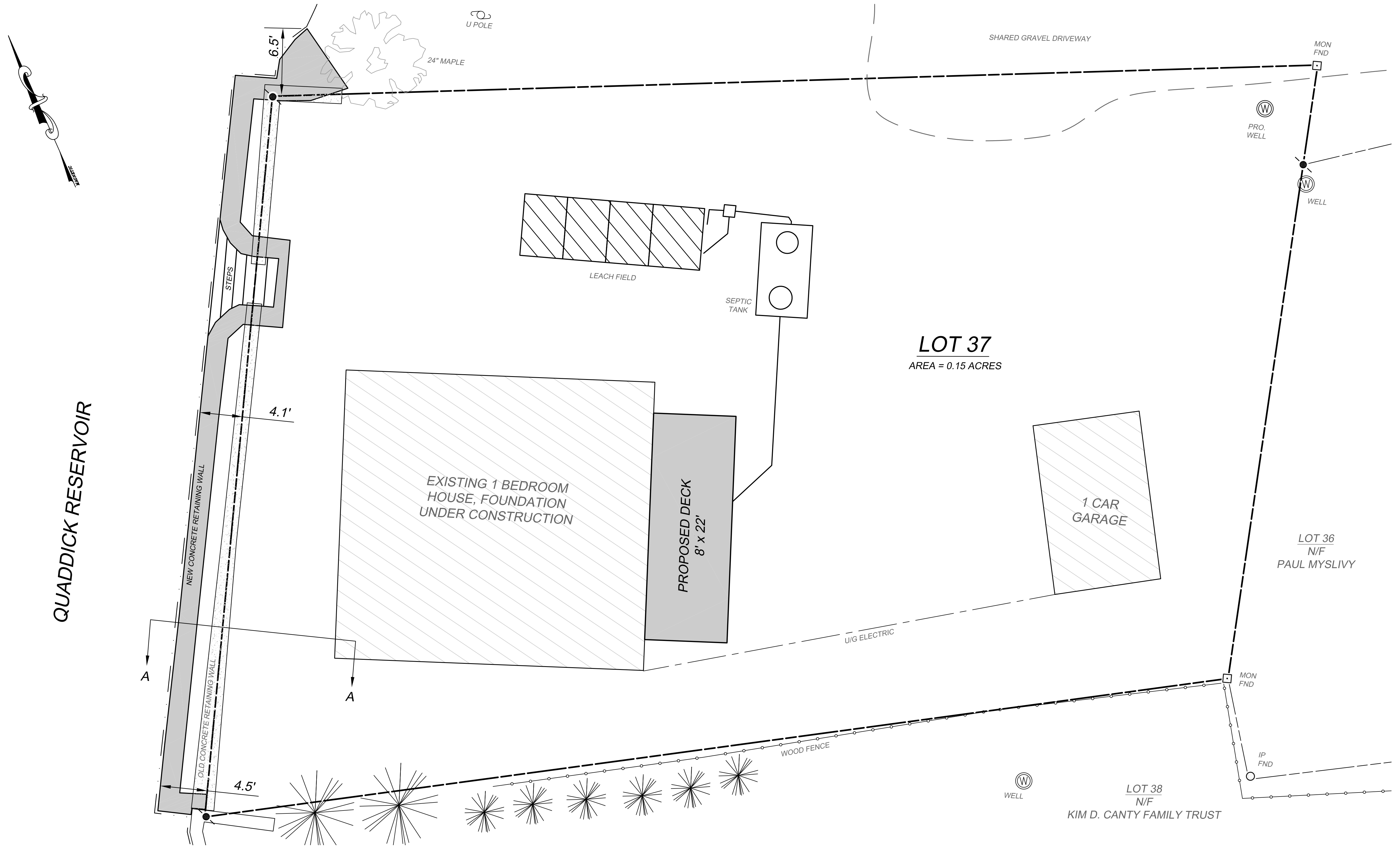
SURVEY NOTES:

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
SURVEY PURPOSE: TO OBTAIN A WETLANDS PERMIT FOR THE NEW RETAINING WALL
SURVEY TYPE: GENERAL LOCATION
HORIZONTAL ACCURACY: CLASS B
PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.
 2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.
 3. REFERENCE PLAN:
"PERIMETER SURVEY PREPARED FOR JAMES AND BARBARA JASMIN." BY ARCHER SURVEYING LLC. DATED APRIL 2017. SCALE 1" = 10'
- TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/07 LICENSE 12107
THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2020 J&D CIVIL ENGINEERS, LLC

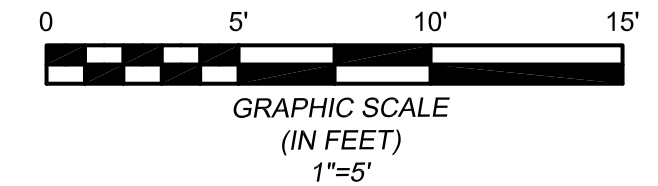


LOCATION MAP
1" = 500'



LEGEND

- WELL
- UTILITY POLE
- PROPERTY CORNER
- EXISTING IP FOUND
- EXISTING MONUMENT FOUND
- PROPERTY LINE
- EDGE OF GRAVEL ROAD
- EDGE OF WATER BODY
- UTILITIES
- FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL



RETAINING WALL AS BUILT
PREPARED FOR
JAMES & BARBARA JASMIN
518 BRANDY HILL ROAD - THOMPSON, CT
MAP 143 BLOCK 16 LOT 37

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: APS CHECKED: DDB	REVISIONS: 2020-07-14 ADD DECK
JOB NO: 18219	DATE: MAY 4, 2020
SCALE: 1" = 5'	SHEET: 1 OF 1

Jamie Boucher

2 Island View Drive
Thompson, CT 06277

June 7, 2020

Town of Thompson Connecticut
Inland Wetlands Commission
815 Riverside Drive
P.O. Box 899
North Grosvenordale, CT. 06255

Attention: Marla Butts, Inland Wetlands Agent

I am the President of the Green Acres Association. Green Acres Association owns the common lot that is located directly adjacent to James & Barbara Jasmin's property. I have been made aware Mr. Jasmin did not involve the Inland Wetlands Commission before constructing a new retaining wall to replace the existing wall that was crumbling and unsafe. Also constructed was a separate smaller retaining wall that attended beyond the Jasmin's property line encroaching onto the common lot Boat launch area. After reviewing the smaller section of wall that encroached upon the Boat launch, I find that the wall was extremely well constructed and that it did not encroaching upon the useable areas of the Boat launch or its open boat storage areas. The wall was constructed to retain the steep bank that had been washed away over time by the waves. Lights was added along the Top of the wall to ad in night time navigation helping boaters to locate the Boat Launch more easily and safely after sunset.

Enclosing this small extension of the Jasmin's retaining wall has, at no cost to the Green Acres Association, improved the longevity, safety and appearance of the Green Acres Association's property. In general, all parties seem pleased with the improvements.

Sincerely,



Jamie Boucher

President of the,
Green Acres Association

Phone # 810-753-0794



Town of Thompson
Inland Wetlands Commission
815 Riverside Drive
North Grosvenordale, CT 06255
860-923-1852 (Office) 860-923-9897 (Fax)

Memo

To: Thompson Inland Wetlands Commission
From: Marla Butts, Wetlands Agent 
Date: November 9, 2020
Re: Recommendation on Application IWA20011, James Jasmine, 518
Brandy Hill Road

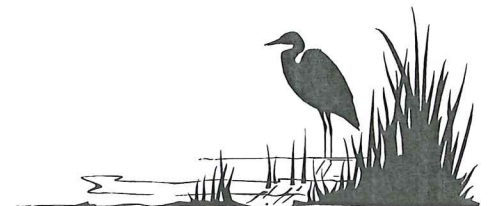
Regarding those portions of the retaining wall that exist on the land not owned by James Jasmine, I have not received any response to my repeated requests for a position on the wall from the Connecticut Department of Energy and Environmental Protection. Additionally, on June 9, 2020 I received an email from Mr. Jasmine containing a scan of a letter from a Jamie Boucher, as President of the Green Acres Association, who claimed the Association owned the land adjacent to the Jasmin property upon which a small portion of the unauthorized wall was constructed and had no objection to the wall as constructed. Unfortunately, I have been unable to verify that the Green Acres Association has title to the property in question.

Consequently, I recommend the Commission render a decision on the application as follows:

Move to conditionally approve Application IWA20011 by James Jasmine for regulated activities as shown in plans entitled "Retaining Wall As Built Prepared for James & Barbara Jasmin, 518 Brandy Hill Road – Thompson, CT." prepared by J & J Civil Engineers, LLC dated May 4, 2020 revised 2020-07-14 for all activities located on his property and to deny any portion of the wall and associated fill that does not exist on Mr. Jasmin's property on the basis that Mr. Jasmin has failed to show that he has any rights to maintain those portions of the wall and associated fill.

Further I recommend the Commission take no further action in this matter as long as no new regulated activities occur as a result of Mr. Jasmin's activities.

File: Memo WA Decision Recommendation Application IWA20011 Jasmine.doc



Agenda Item E.a) 3. Old Applications

WAA20031, Madison Avenue Investments, LLC, 0
Madison Ave. (Assessor's map 103, block 31, lot 6K,
subdivision lot 11), driveway and grading for new single
family home, stamped received 8/3/2020, under review.

Agenda Item E.a) 4. Old Applications

WAA20033, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6R, subdivision lot 18), septic system for new single family home, stamped received 8/12/2020, under review.

Agenda Item E.a) 5. Old Applications

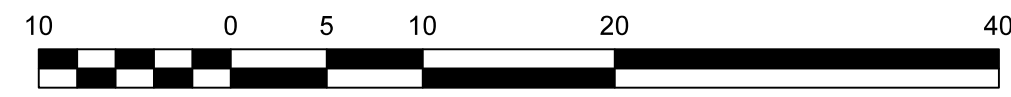
WAA20038, Joseph Kelly, 0 Lowell Davis Rd., (Assessor's map 120, block 30, lot 3A), grading and well in 100-foot upland review area for a new single family home, stamped received 10/5/2020, approved 10/22/2020, legal notice published 11/6/2020, appeal period ends 11/21/2020.

Agenda Item E.a) 6. Old Applications

WAA20040, Laura Hauser, 31 Center St. (Assessor's map 116, block 30, lot 3A), reconstruction of a single family home in 100-foot upland review area for Little Pond, stamped received by the Town Clerk 9/18/2020 and 10/5/ 2020 by the Wetlands Office, under review.

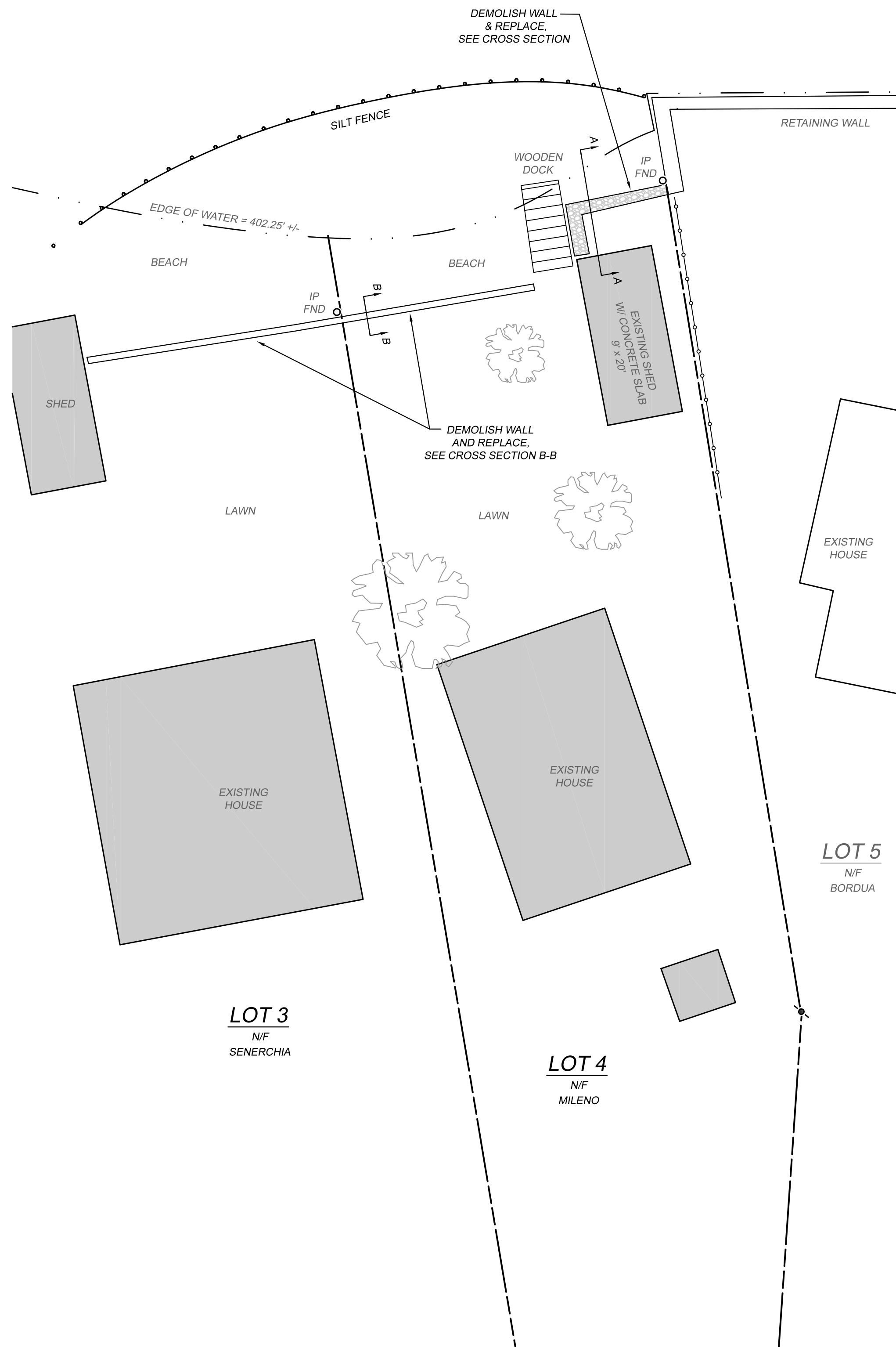
Agenda Item E.a) 7. Old Applications

IWA20041, Jerry T. Mileno, 523 & 521 Brandy Hill Rd. (Assessor's map 143, block 17, lots 4 & 3), demolish and reconstruct retaining walls, reconstruction of a single family home in 100-foot upland review area for Little Pond, stamped received 10/7/2020, revised plans received 10/9/2020.

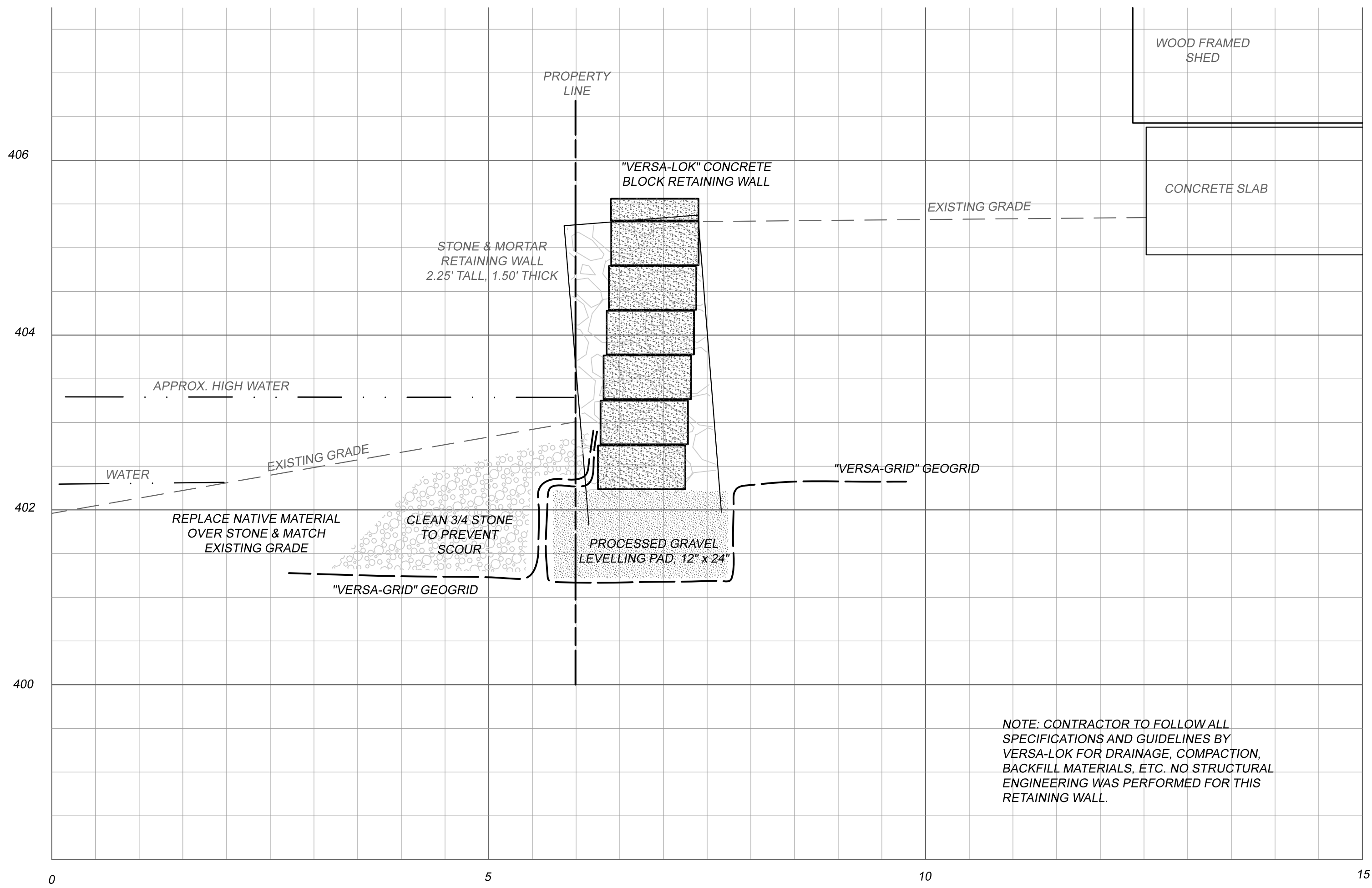


QUADDICK LAKE

WATER ELEV = 402.25' +/-
HIGH WATER = 403.25' +/-

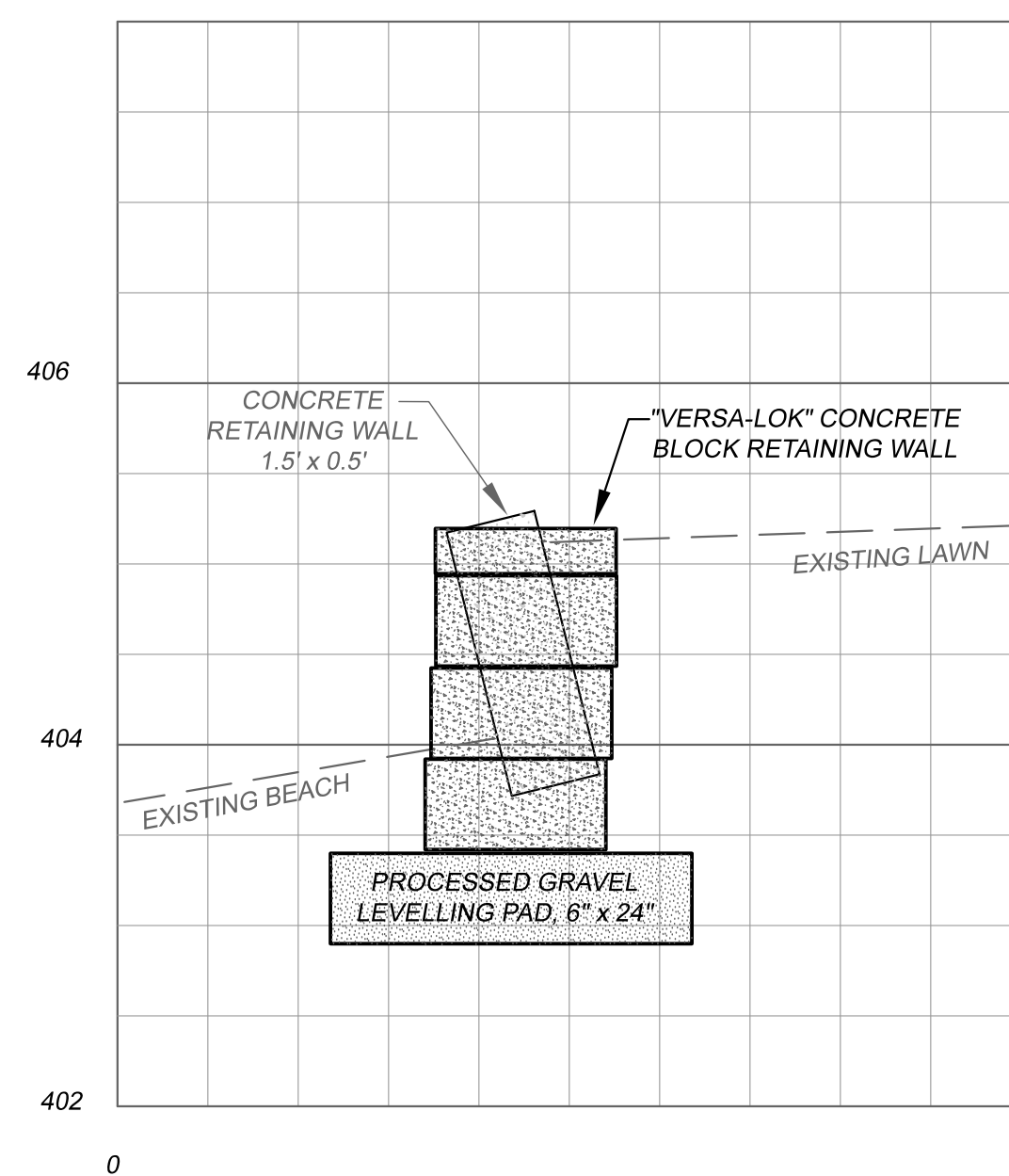


PLAN VIEW
1" = 10'



CROSS SECTION A-A
1" = 1'

NOTE: CONTRACTOR TO FOLLOW ALL SPECIFICATIONS AND GUIDELINES BY VERSA-LOK FOR DRAINAGE, COMPACTION, BACKFILL MATERIALS, ETC. NO STRUCTURAL ENGINEERING WAS PERFORMED FOR THIS RETAINING WALL.



CROSS SECTION B-B
NOT TO SCALE

GENERAL CONSTRUCTION NOTES

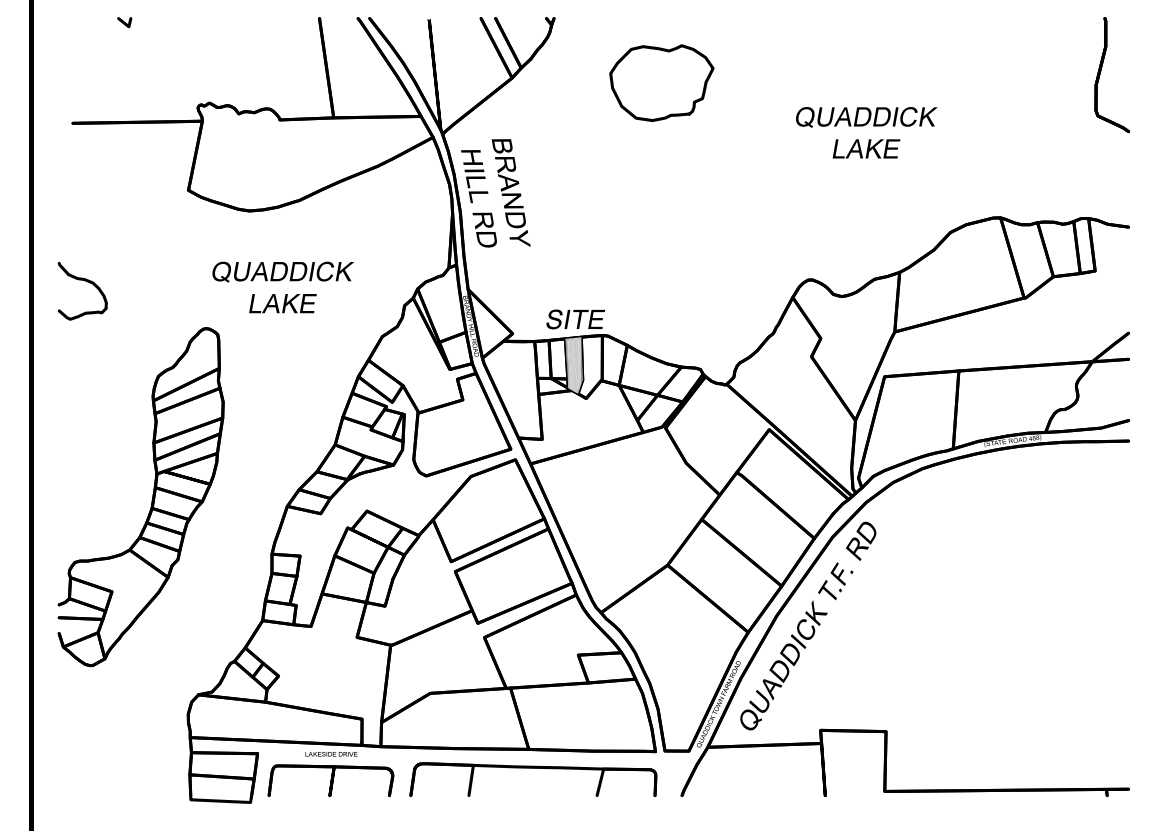
1. ALL PROPOSED DEMOLITION OR CONSTRUCTION SHALL TAKE PLACE DURING THE WINTER DRAIN DOWN PERIOD, WHEN THE WATER LEVEL IS SIGNIFICANTLY LOWER.
2. NO MACHINERY OR EQUIPMENT SHALL BE PLACED WITHIN THE WATER.
3. NO EXCAVATION OR EARTHWORK SHALL OCCUR WITHIN THE WATER.
4. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY WORK.
5. THE RETAINING WALL TO BE REPLACED IS APPROXIMATELY 6' BY 12'.
6. THE CONTRACTOR SHALL FOLLOW ALL SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE CONCRETE BLOCK MANUFACTURER OR SUPPLIER.
7. THE CONTRACTOR SHALL TAKE MEASURES TO AVOID OR PREVENT ANY DAMAGE TO THE ADJACENT RETAINING WALL OWNED BY THE NEIGHBOR BORDUA.
8. THE CONTRACTOR SHALL AVOID ANY EXCAVATION THAT WOULD DISTURB THE NEARBY CONCRETE SLAB FOUNDATION.
9. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO ANY SUBSTITUTIONS OR ALTERATIONS.

CONSTRUCTION SEQUENCE

1. INSTALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE SITE PLAN.
2. EXCAVATE FILL MATERIAL AT FOOTING AND BEHIND WALL.
3. DEMOLISH RETAINING WALL AND HAUL OFF SITE.
4. EXCAVATE NATIVE MATERIAL AS NECESSARY, COMPACT, AND INSTALL GEOGRID.
5. INSTALL AND COMPACT BASE LEVELING PAD.
6. ROLL UP ORIGINAL GEOGRID, AND INSTALL SECOND GEOGRID.
7. INSTALL FIRST TWO COURSES OF CONCRETE BLOCKS.
8. INSTALL CRUSHED STONE OVER GEOGRID, LEVELLING PAD AND FIRST LAYER OF BLOCKS.
9. COMPLETE RETAINING WALL INSTALLATION, FOLLOWING ALL SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE CONCRETE BLOCK MANUFACTURER OR SUPPLIER.

EROSION AND SEDIMENT CONTROL NOTES

1. THE PROPOSED WORK SHALL CONSIST OF THE DEMOLITION OF AN EXISTING RETAINING WALL, AND THE CONSTRUCTION OF A CONCRETE BLOCK RETAINING WALL IN THE SAME LOCATION.
2. EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE SITE PLAN, PRIOR TO ANY EARTHWORK OR DEMOLITION.
3. THE CONTRACTOR SHALL ADEQUATELY INSPECT AND MAINTAIN ALL EROSION CONTROL.
4. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS NECESSARY TO PREVENT ANY SEDIMENT FROM ENTERING THE WATER.
5. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM.
6. FINAL GRADE AND STABILIZE ALL DISTURBANCES AS SOON AS POSSIBLE.



LOCATION MAP
1" = 500'

SURVEY NOTES:

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

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED ON OCTOBER 2, 2020, AND IS INTENDED TO BE USED FOR THE DESIGN OF A RETAINING WALL.

VERTICAL ACCURACY: CLASS T2 (NAVD88 DATUM)
HORIZONTAL ACCURACY: CLASS B (NAD83 DATUM) FOR THE TALLER RETAINING WALL, CLASS D FOR ALL ELSE.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

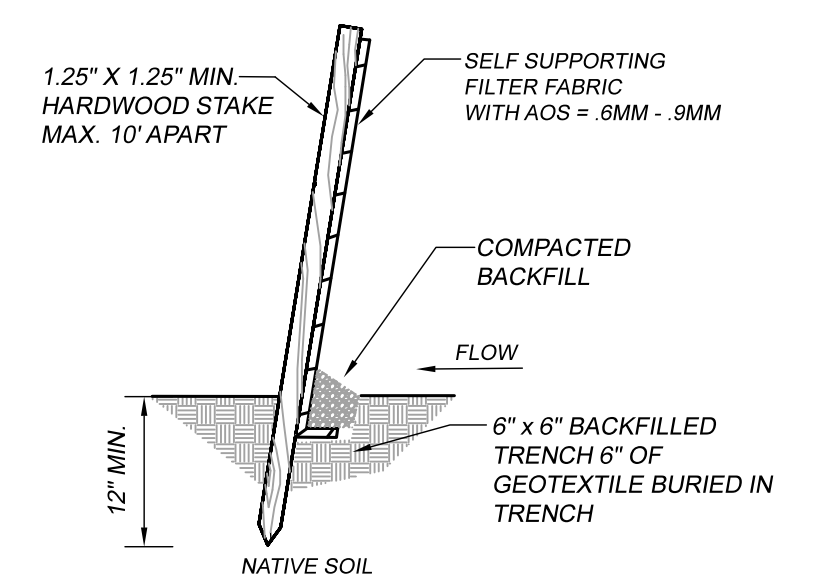
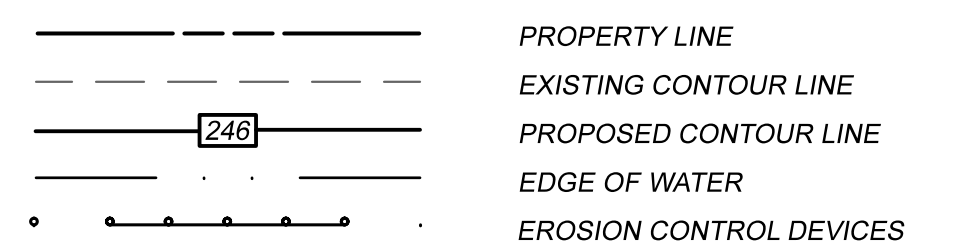
2. REFERENCE PLAN: "SUBDIVISION OF LAND OWNED BY CLAIRE L. GREEN, BRANDY HILL ROAD THOMPSON CT." BY ALBERT FITZBACK, L.L.S. DATED MAY 19, 1988. ON FILE AS MAP 1060-1.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/07/20
LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2020 J&D CIVIL ENGINEERS, LLC

LEGEND



SILT FENCE INSTALLATION
NOT TO SCALE

RETAINING WALL PLAN
PREPARED FOR
JERRY & ROBERT MILENO
523 BRANDY HILL ROAD - THOMPSON, CT
MAP 143 BLOCK 17 LOT 3 & 4

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: **DDB**
CHECKED: **DRB**

REVISIONS:
2020-10-09 2ND CROSS SECTION

JOB NO: **20232**
SCALE: **AS NOTED**

DATE: **OCTOBER 7, 2020**
SHEET: **1 OF 1**

October 15, 2020

Daniel Blanchette
J&D Civil Engineers LLC
401 Ravenlle Rd
North Grosvernordale CT 06255
daniel@jdcivilengineers.com

Project: Demolish existing stone retaining wall, replace with new concrete block retaining wall, 523 Brandy Hill Rd, Thompson, CT
NDDDB Determination No.: 202012141

Dear Daniel Blanchette,

I have reviewed Natural Diversity Database (NDDDB) maps and files regarding the area of work provided for the proposed demolition of existing retaining wall and replacement with new concrete block retaining wall at 523 Brandy Hill Rod on Quaddick Reservoir in Thompson, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDDB Request for Review if the scope of work changes or if work has not begun on this project by October 13, 2022.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey, cooperating units of DEEP, landowners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDDB should not be substitutes for on-site surveys necessary for a thorough environmental impact assessment. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the database as it becomes available.

Please contact me if you have further questions at (860) 424-3378, or karen.zyko@ct.gov . Thank you for consulting the Natural Diversity Database.

Sincerely,



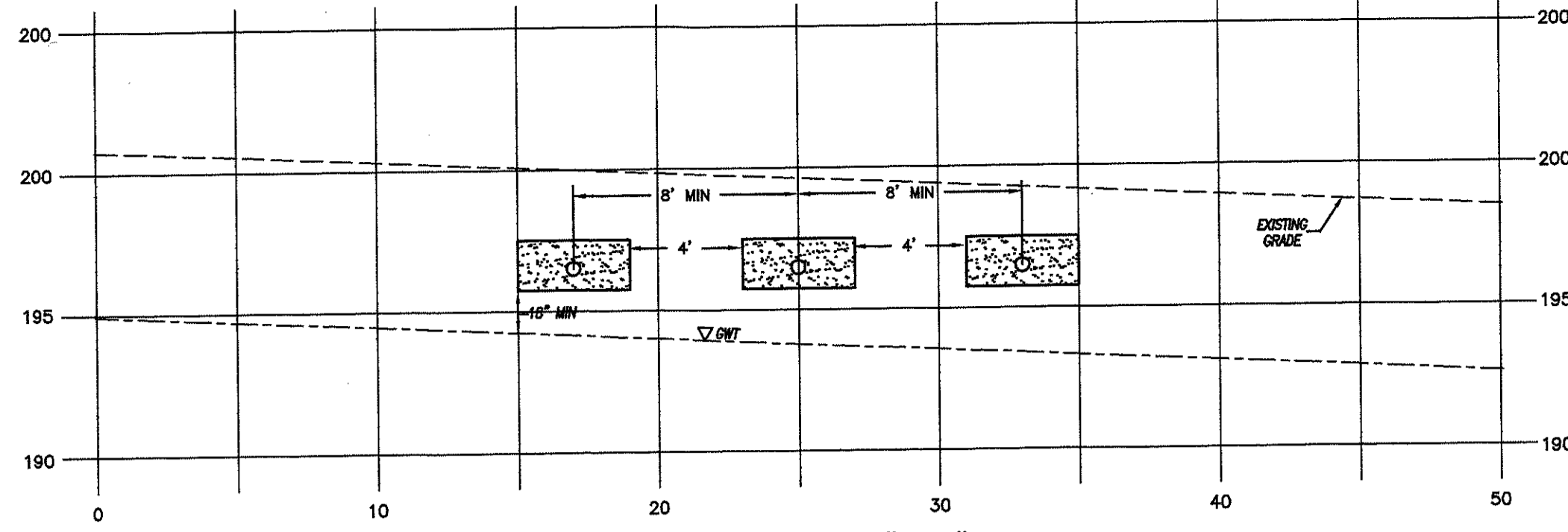
Karen Zyko
Environmental Analyst





Agenda Item E.b) 1.New Applications

WAA20043, Gary Rawson, 0 Logee Rd. (Assessor's map 141, block 17, lot E), construction of a new single family home in the 100-foot upland review area for Quaddick Reservoir, stamped received 10/29/ 2020, under review.

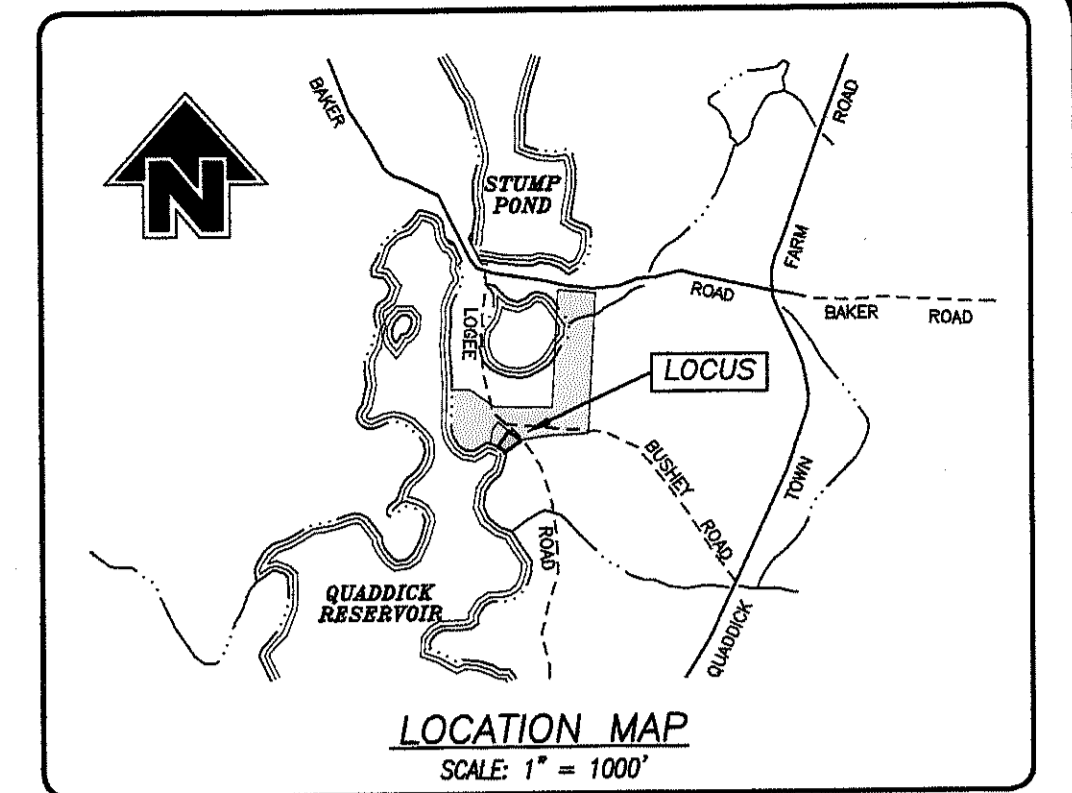


TEST HOLE DATA - September 3, 2020
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0" - 6" 6" - 17" 17" - 82" Ledge GWT Mottling Roots	Topsoil RB Gravelly Fine Sandy Loam Gravelly Coarse sand w/Cobbles N/A seeps 72" 70" 17"
2	0" - 9" 9" - 34" 34" - 85" Ledge GWT Mottling Roots	Topsoil OB Gravelly Fine Sandy Loam Gravelly Coarse sand w/Cobbles N/A N/A N/A 40"

SEPTIC SYSTEM DESIGN DATA

Percolation Rate	= 6 min. / in.
2 bedroom house requires	= 375 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 375/3 = 125 l.f.
Length Provided	= 2 (63') = 126 l.f.
Min. Leaching System Spread (MLSS)	= Not Required
MLSS Provided	= 63'
LEACHING FIELD	
3 Trenches @ 42 l.f. each	
Maximum depth into existing grade	= 81"



NOTES:

- PRIOR TO CONSTRUCTION, EXISTING MOBILE HOME AND ASSOCIATED UTILITY CONNECTIONS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE SOLID WASTE DISPOSAL REQUIREMENTS.
- SEPTIC SYSTEM AND SITE ARE DESIGNED TO MEET STATE HEALTH CODE REQUIREMENTS. BUILDER SHALL VERIFY LOCAL CODE AND PERMITTING REQUIREMENTS WITH TOWN OFFICIALS.

SURVEYOR SHALL SET A BENCH MARK IN THE AREA OF THE SEPTIC SYSTEM AT THE TIME OF CONSTRUCTION STAKE-OUT.

SEPTIC TANK	
1000 GALLON	
TWO COMPARTMENT	
F/L IN = 197.00	
F/L OUT = 196.25	
DISTRIBUTION BOXES	
D-1 (STANDARD)	
F/L IN = 195.67	
F/L OUT = 195.50	
D-2 (LEVEL)	
F/L IN = 195.50	
F/L OUT = 195.50	
D-3 (LEVEL)	
F/L IN = 195.50	
F/L OUT = 195.50	

NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 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;
 - This survey conforms to a Class "A-2" horizontal accuracy.
 - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
 - Survey Type: Improvement Location Survey.
 - Boundary Determination Category = Dependent Resurvey.
- Zone = R-40 (Lake District).
- Owner of record:
 - Map 141, Block 17, Lot 184AAC = Benjamin J. Rawson & Joanne L. Rawson 4 Logee Road, Thompson, CT 06277
 - Map 141, Block 17, Lot E = Benjamin J. Rawson & Gary M. Rawson 4 Logee Road, Thompson, CT 06277
- Elevations shown are based on an assumed datum. Contours shown are taken from actual field survey. Contour interval = 2'.
- Test Pit data taken from NDDH file number 21000077.
- Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455 or 811.

MAP REFERENCE:

- "Plat No. 2 - Plan of Lots - Laid out for - Richard A. Rawson - At - Quaddick Reservoir - Town of Thompson - Scale: 1" = 50' - Date: Aug. 1941 - revised to: June 1966 - Prepared by: William W. Pike, Surveyor." on file in the Thompson Land Records.
- "Prepared for Improvement Location Survey - Gary M. Rawson & Nicole C. Rawson - 3 Logee Road - Thompson, Connecticut Scale: 1" = 60' - Date: 10/23/2015 - Sheet 1 of 1 - Prepared by: CME Associates, Inc. Not on file.

DATE	DESCRIPTION

IMPROVEMENT LOCATION SURVEY
SEPTIC SYSTEM DESIGN PLAN
PREPARED FOR
BENJAMIN RAWSON
LOGEE ROAD
THOMPSON, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 10/06/2020	DRAWN: AMR
SCALE: 1" = 20'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 20144

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

Agenda Item E.b) 2. New Applications

IWA20044, Town of Thompson, W. Thompson Rd
(Assessor's maps 48 & 50, blocks 104 & 103,
respectively, no lot #), replace existing culver carrying
Wheaton Brook under W. Thompson Rd, stamped
received 11/2/2020, to be received by statute 11/10/2020.

WHEATON BROOK CULVERT REPLACEMENT PLANS

WEST THOMPSON ROAD - THOMPSON, CT

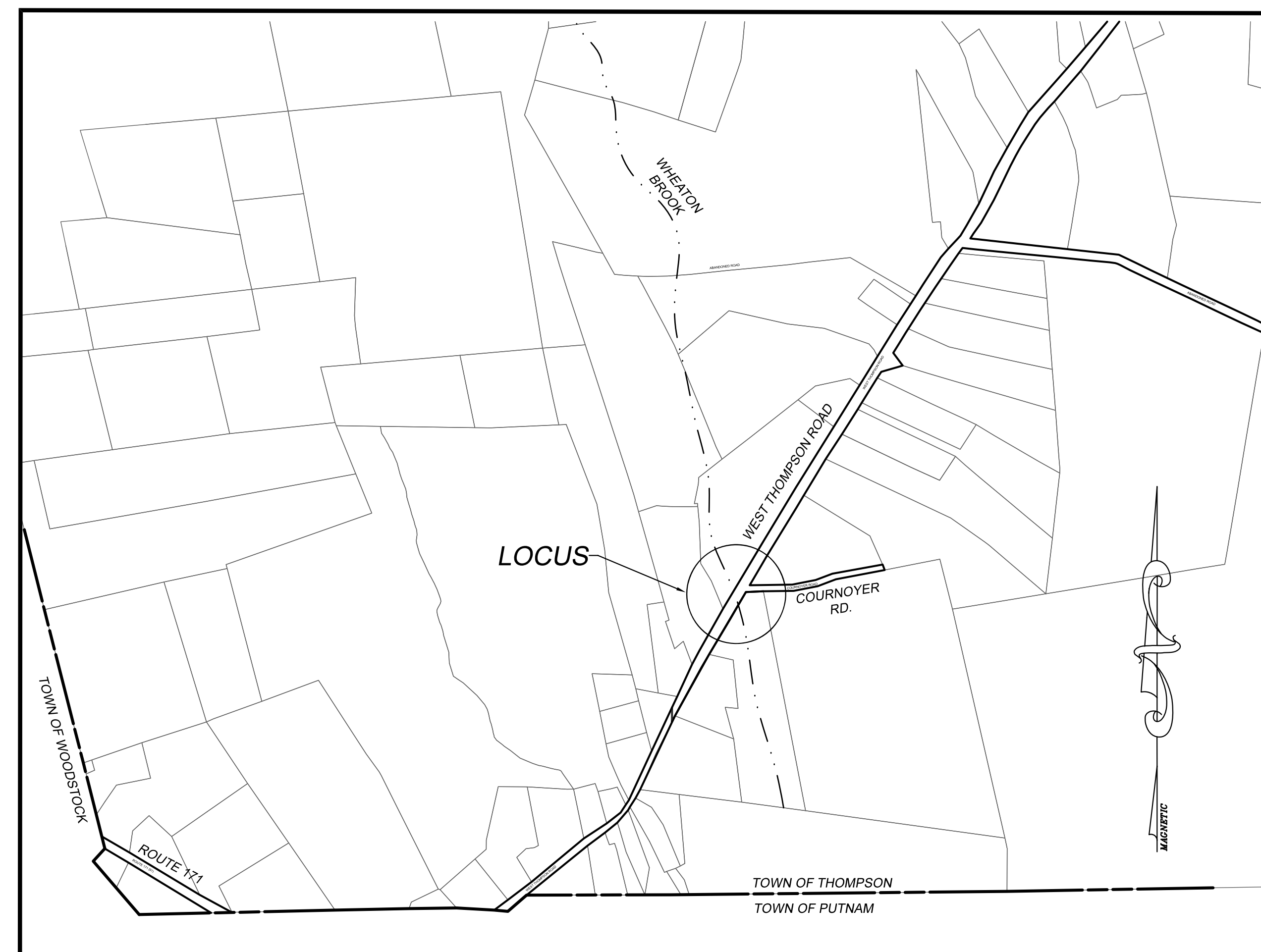
**PREPARED FOR
TOWN OF THOMPSON**

DATE: NOVEMBER 4, 2020

JOB NO: 18189

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- 6. CULVERT PLAN & SECTIONS**
- 7. CULVERT DETAILS**
- 8. EROSION & SEDIMENTATION CONTROL**
- 9. ROAD CLOSURE SIGN PLAN**
- 10. GUIDE RAIL (CT DOT SHEET HW-910_02)**
- 11. GUIDE RAIL (CT DOT SHEET HW-910_05)**
- 12. GUIDE RAIL END ANCHORAGES (CT DOT SHEET HW-911_01)**
- 13. CONSTRUCTION SIGNS (CT DOT SHEET TR-1220_01)**
- 14. CONSTRUCTION SIGN SUPPORTS (CT DOT SHEET TR-1220-02)**



LOCATION MAP

1" = 500'

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920
WWW.JDCIVILENGINEERS.COM

APPROVED
INLAND WETLANDS COMMISSION

CHAIRMAN

DATE

SURVEY NOTES:

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

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN DECEMBER 2018 AND APRIL 2020, AND IS INTENDED TO BE USED FOR THE DESIGN OF A CULVERT.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

HORIZONTAL ACCURACY: CLASS B
VERTICAL ACCURACY: CLASS T-2

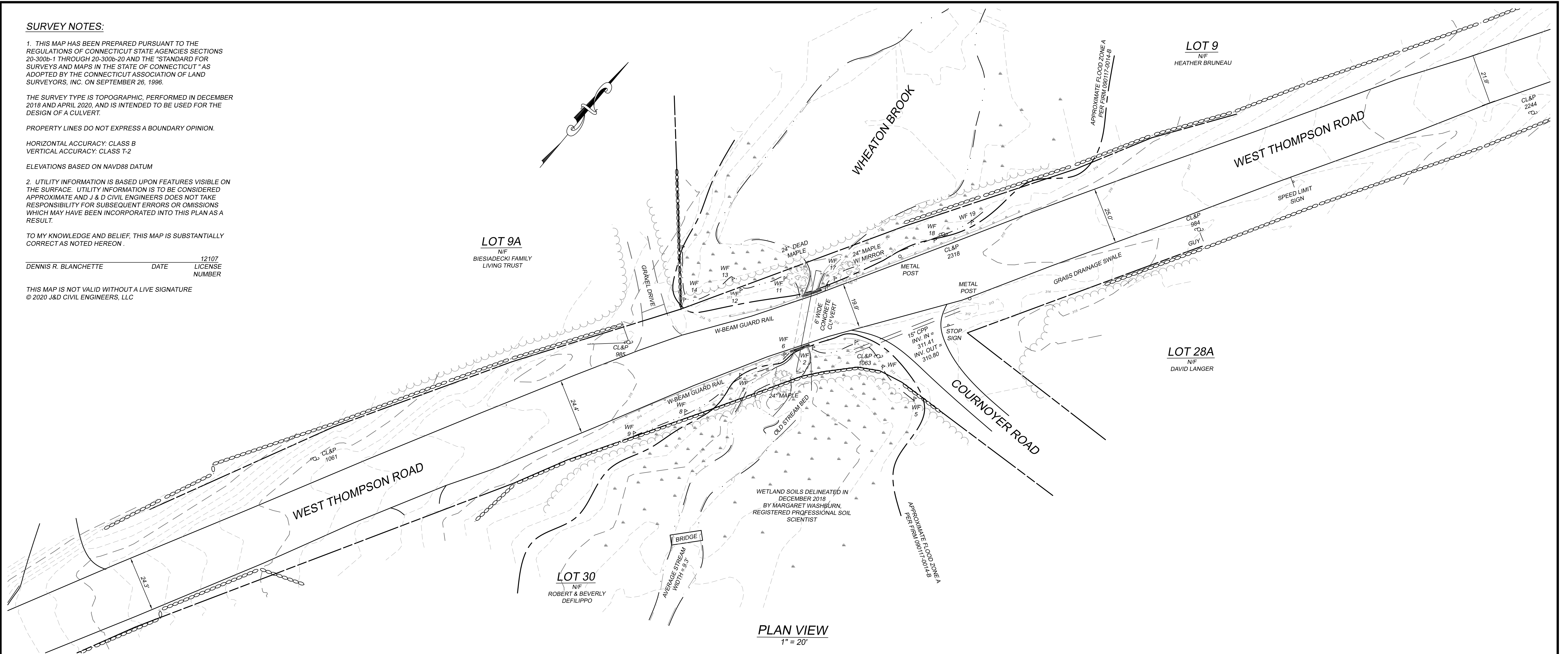
ELEVATIONS BASED ON NAVD88 DATUM

2. UTILITY INFORMATION IS BASED UPON FEATURES VISIBLE ON THE SURFACE. UTILITY INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12107 LICENSE NUMBER

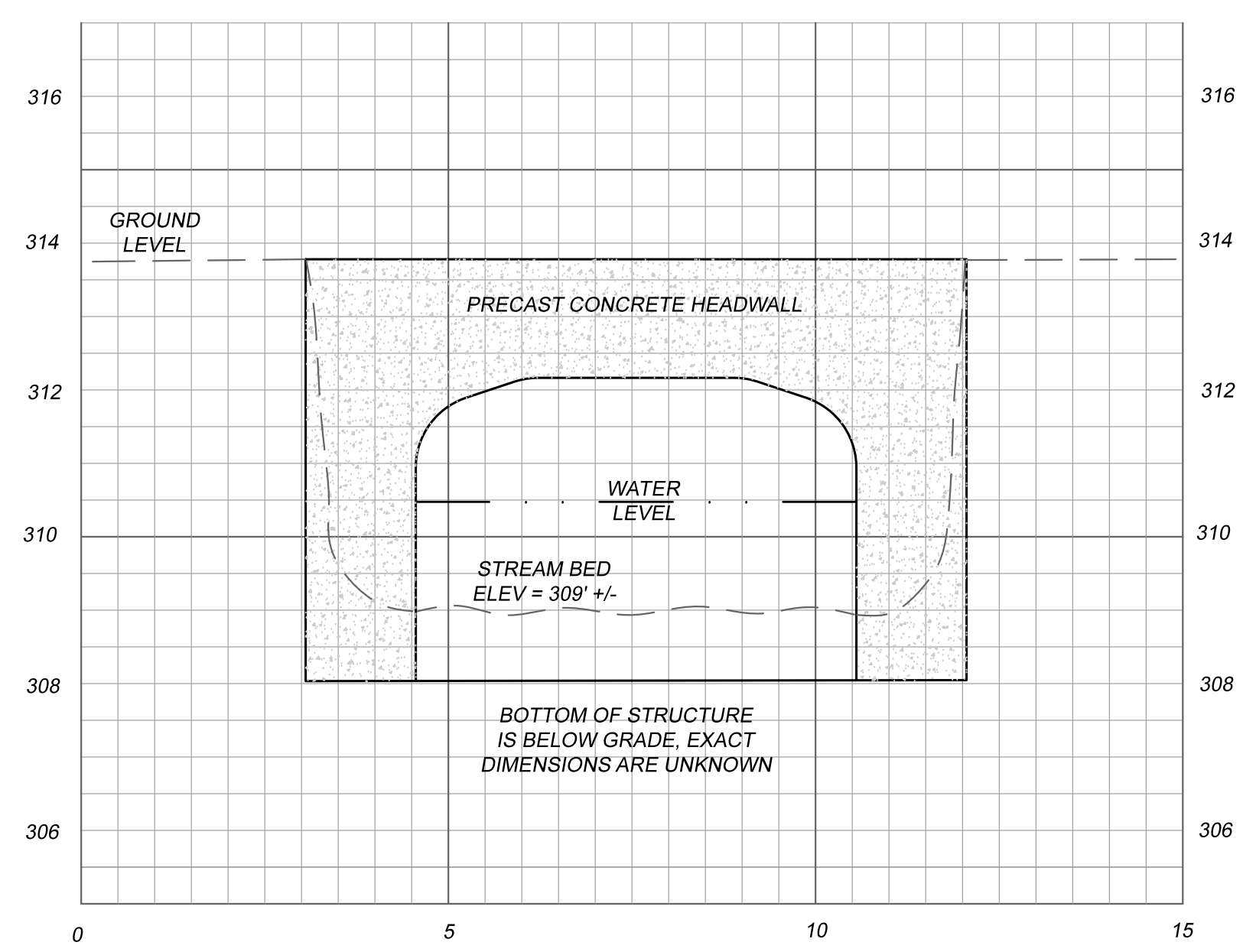
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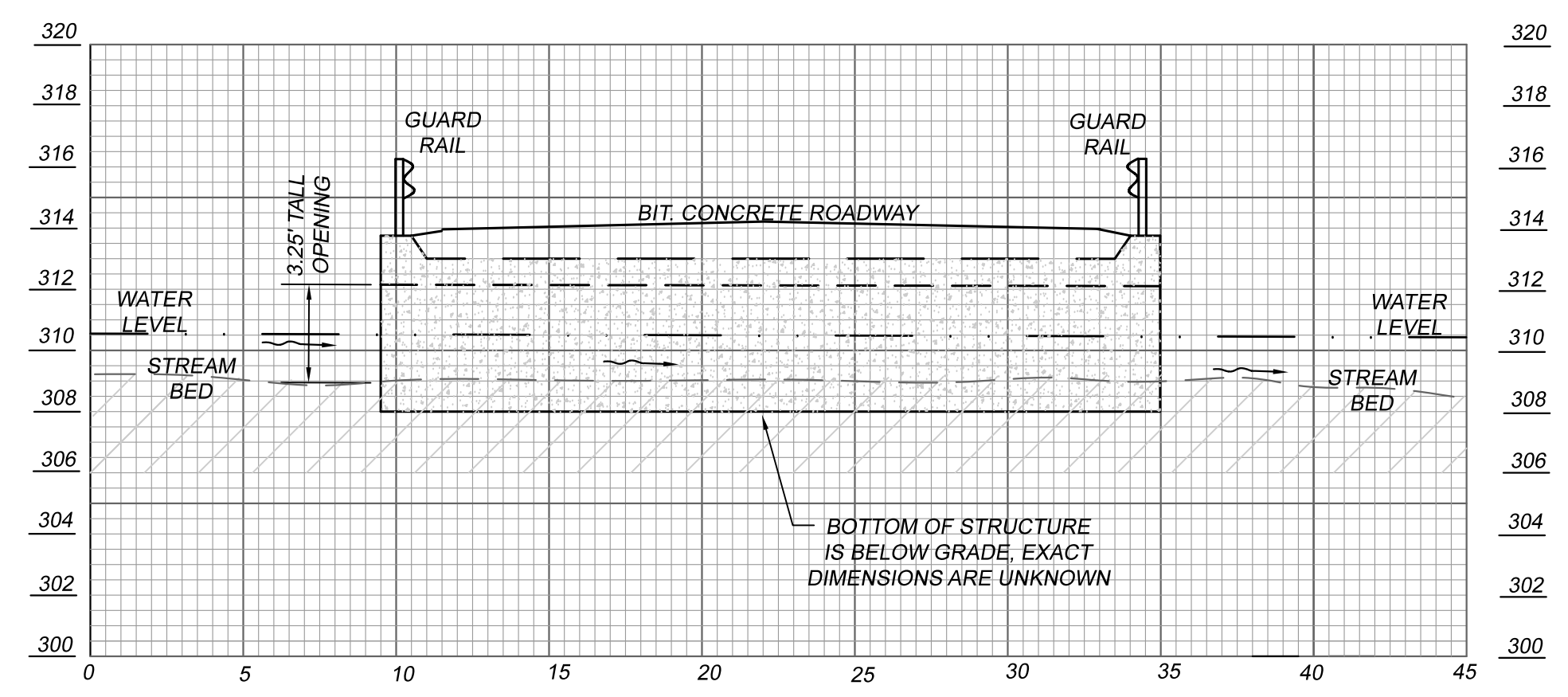
PLAN VIEW
1" = 20'

LEGEND

- FLOOD ZONE A
- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EDGE OF WETLANDS
- EDGE OF WATER
- GUARD RAIL
- STONEWALL
- UTILITIES
- TREELINE
- WETLAND SOILS
- UTILITY POLE



EXISTING CULVERT END SECTION
1" = 2'



EXISTING CULVERT CROSS SECTION A-A
1" = 5'

**EXISTING CONDITIONS PLAN
WHEATON BROOK CULVERT
PREPARED FOR
TOWN OF THOMPSON
WEST THOMPSON ROAD - THOMPSON, CT**

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: DDB	REVISIONS:
CHECKED: JJB	
JOB NO: 18189	DATE: NOVEMBER 4, 2020
SCALE: AS NOTED	SHEET: 2 OF 14

SURVEY NOTES:

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

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN DECEMBER 2018, AND APRIL 2020 AND IS INTENDED TO BE USED FOR THE DESIGN OF A CULVERT.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

HORIZONTAL ACCURACY: CLASS B
VERTICAL ACCURACY: CLASS T-2

ELEVATIONS BASED ON NAVD88 DATUM

2. UTILITY INFORMATION IS BASED UPON FEATURES VISIBLE ON THE SURFACE. UTILITY INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

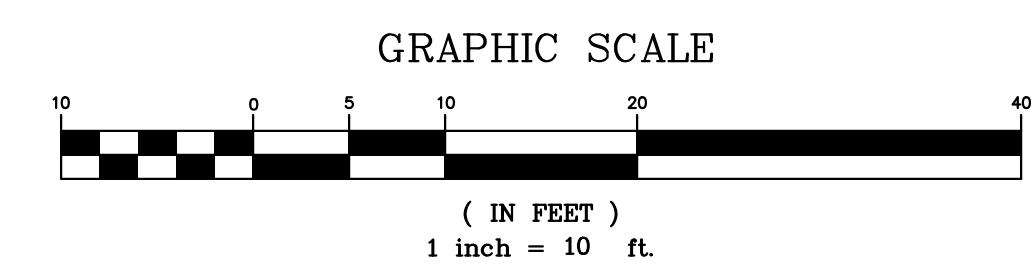
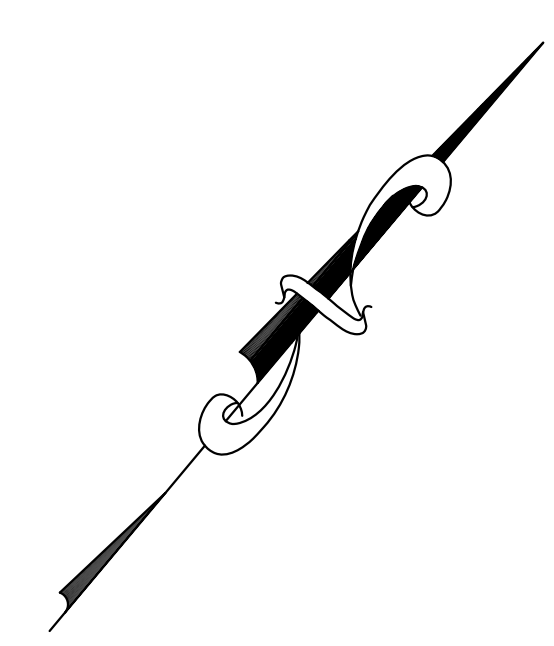
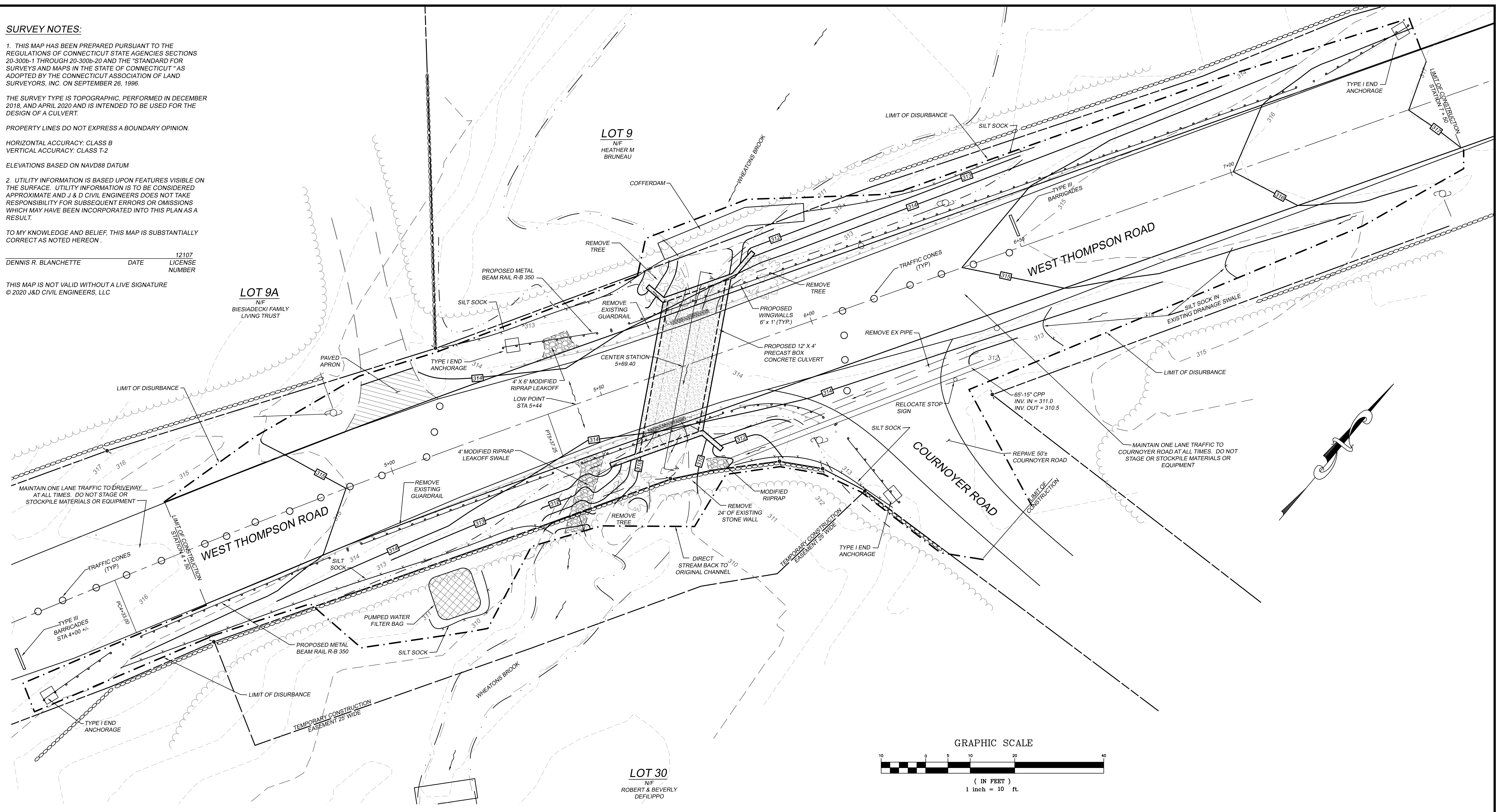
DENNIS R. BLANCHETTE DATE 12/10/20
LICENSE NUMBER 12107

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2020 J&D CIVIL ENGINEERS, LLC

LOT 9A
N/F
BIESIADECKI FAMILY
LIVING TRUST

LOT 9
N/F
HEATHER M
BRUNEAU

LOT 30
N/F
ROBERT & BEVERLY
DEFILIPPO



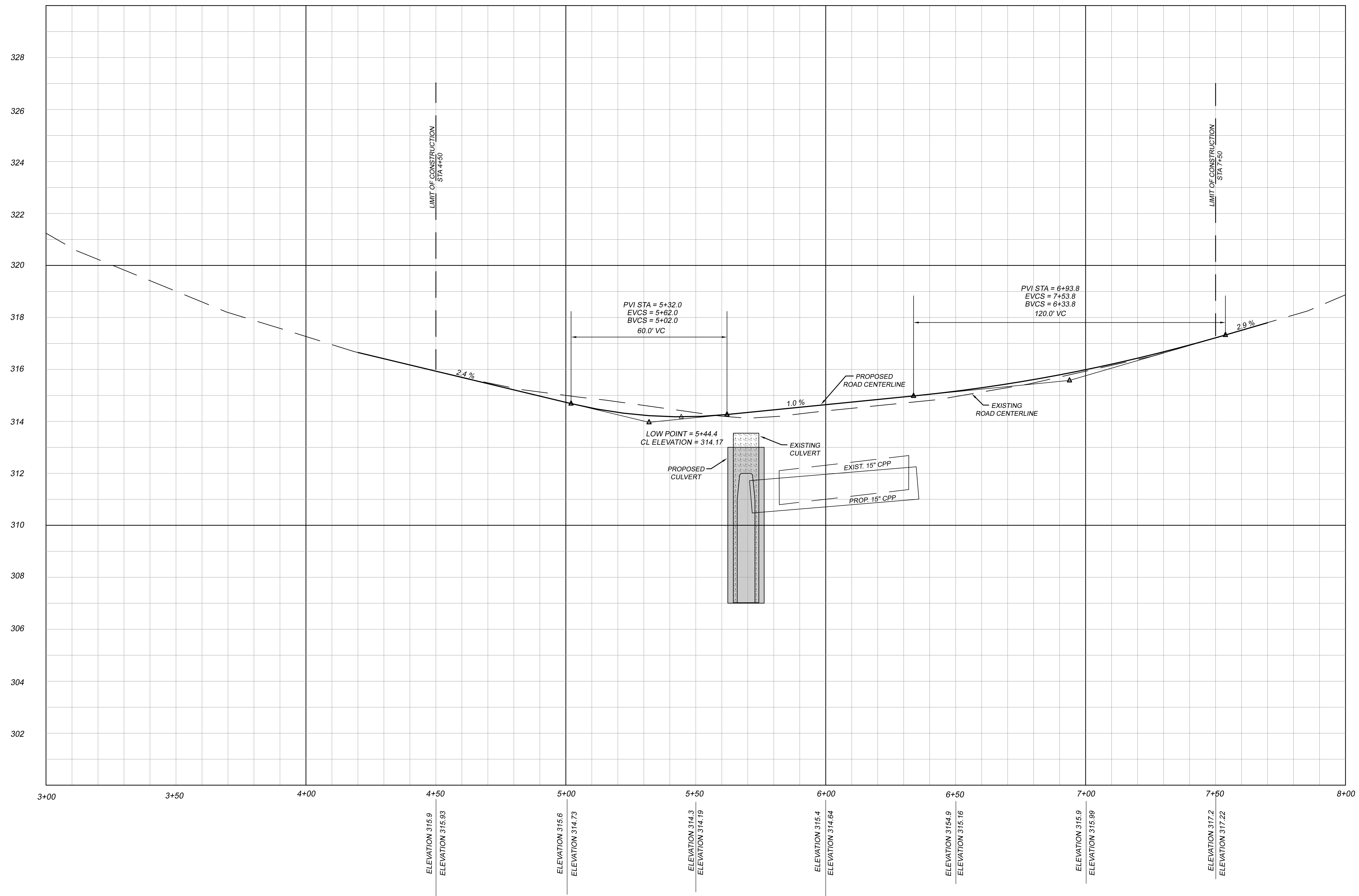
LEGEND

- — — — — PROPERTY LINE
- — — — — EXISTING MAJOR CONTOUR
- — — — — EXISTING MINOR CONTOUR
- [246] - — — — — PROPOSED CONTOUR LINE
- — — — — EDGE OF WETLANDS
- — — — — EDGE OF WATER
- — — — — PROPOSED GUARD RAIL
- — — — — EXISTING GUARD RAIL
- — — — — STONEWALL
- — — — — UTILITIES
- — — — — TREELINE
- — — — — WETLAND SOILS
- — — — — UTILITY POLE
- — — — — SILT SOCK
- — — — — LIMIT OF DISTURBANCE

ROADWAY AND EROSION CONTROL PLAN
WHEATON BROOK CULVERT
 PREPARED FOR
TOWN OF THOMPSON
 WEST THOMPSON ROAD - THOMPSON, CT

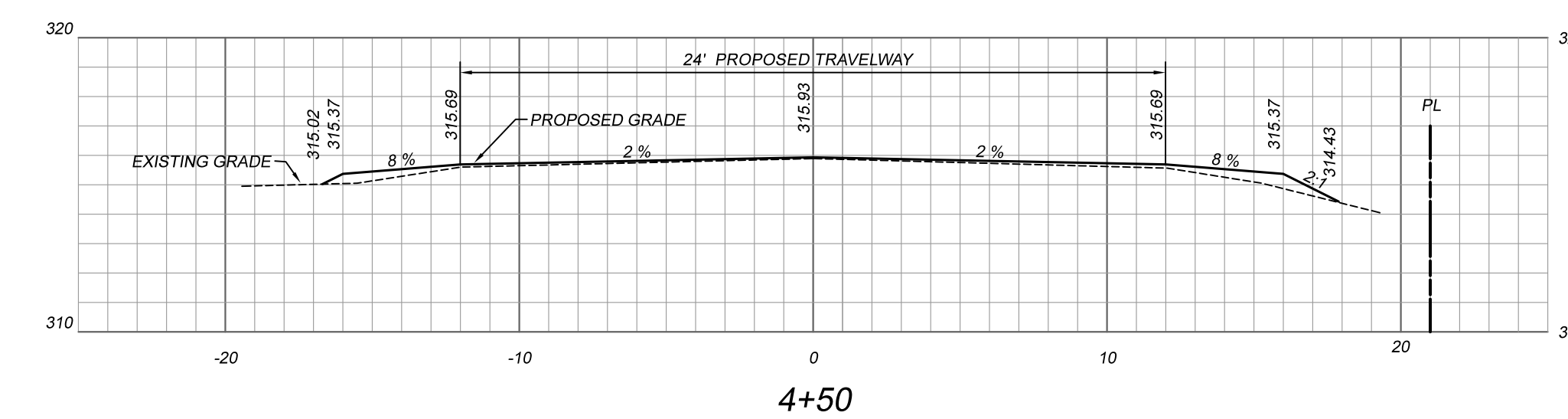
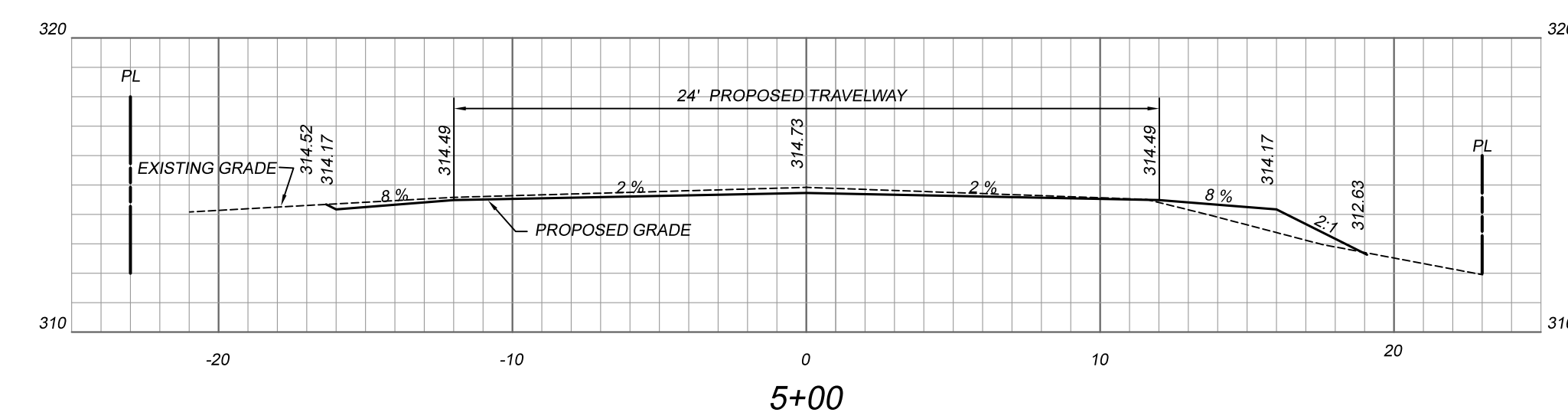
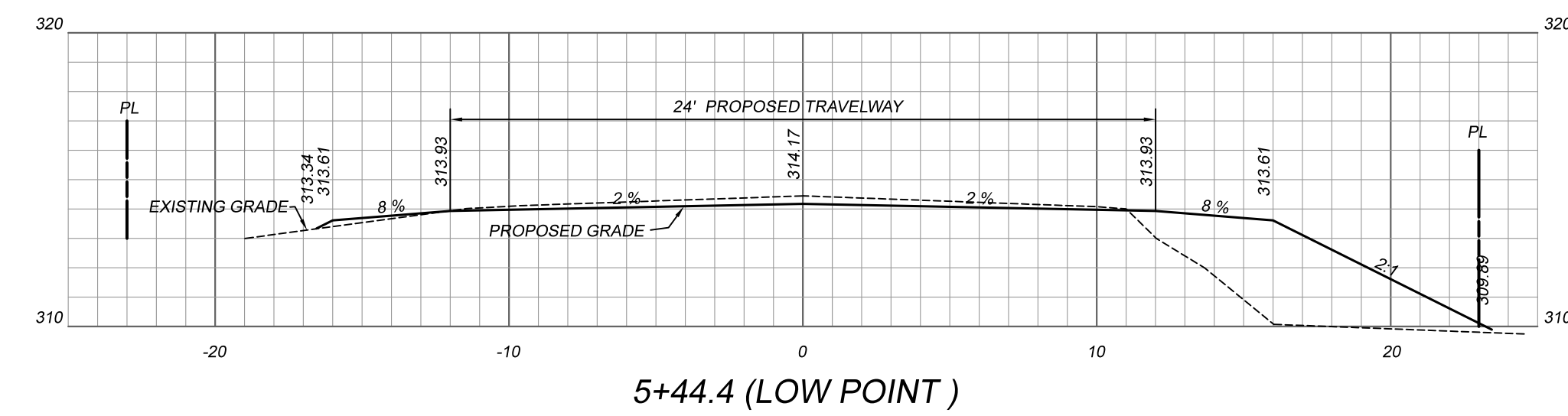
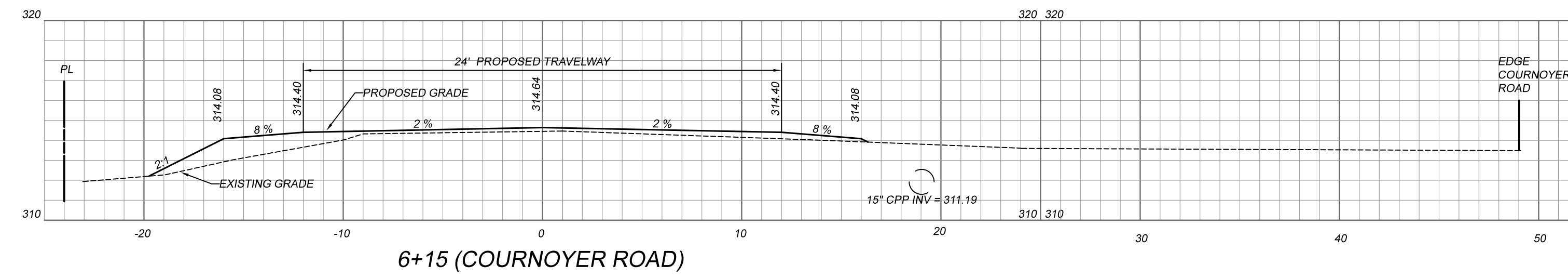
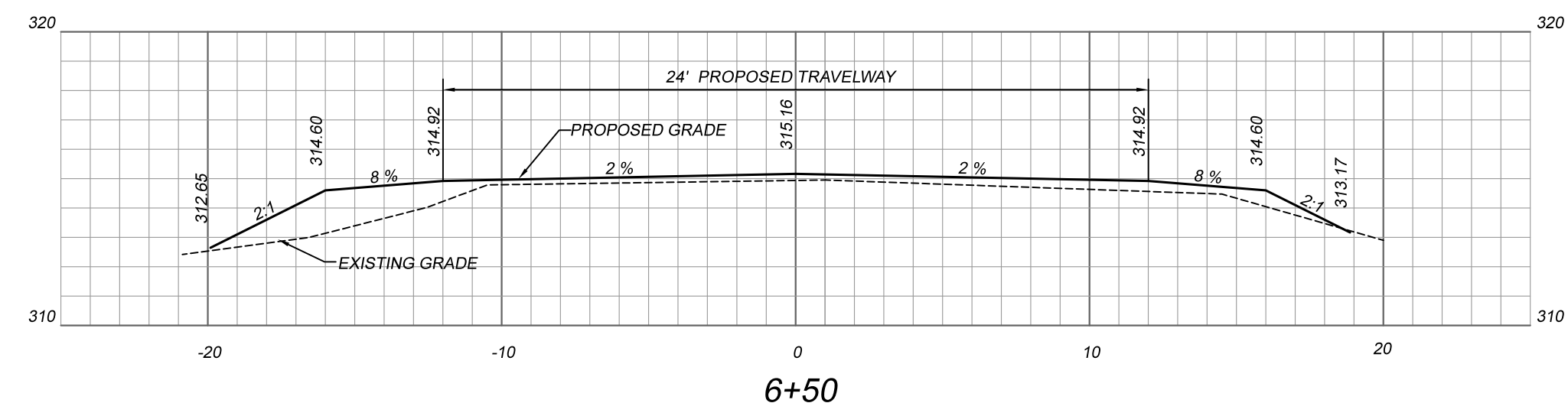
J&D CIVIL ENGINEERS, LLC
 401 RAVENELLE ROAD
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 860-923-2920

DESIGNED: DDB CHECKED: JJB	REVISIONS:
JOB NO: 18189 SCALE: 1" = 10'	DATE: NOVEMBER 4, 2020 SHEET: 3 OF 14

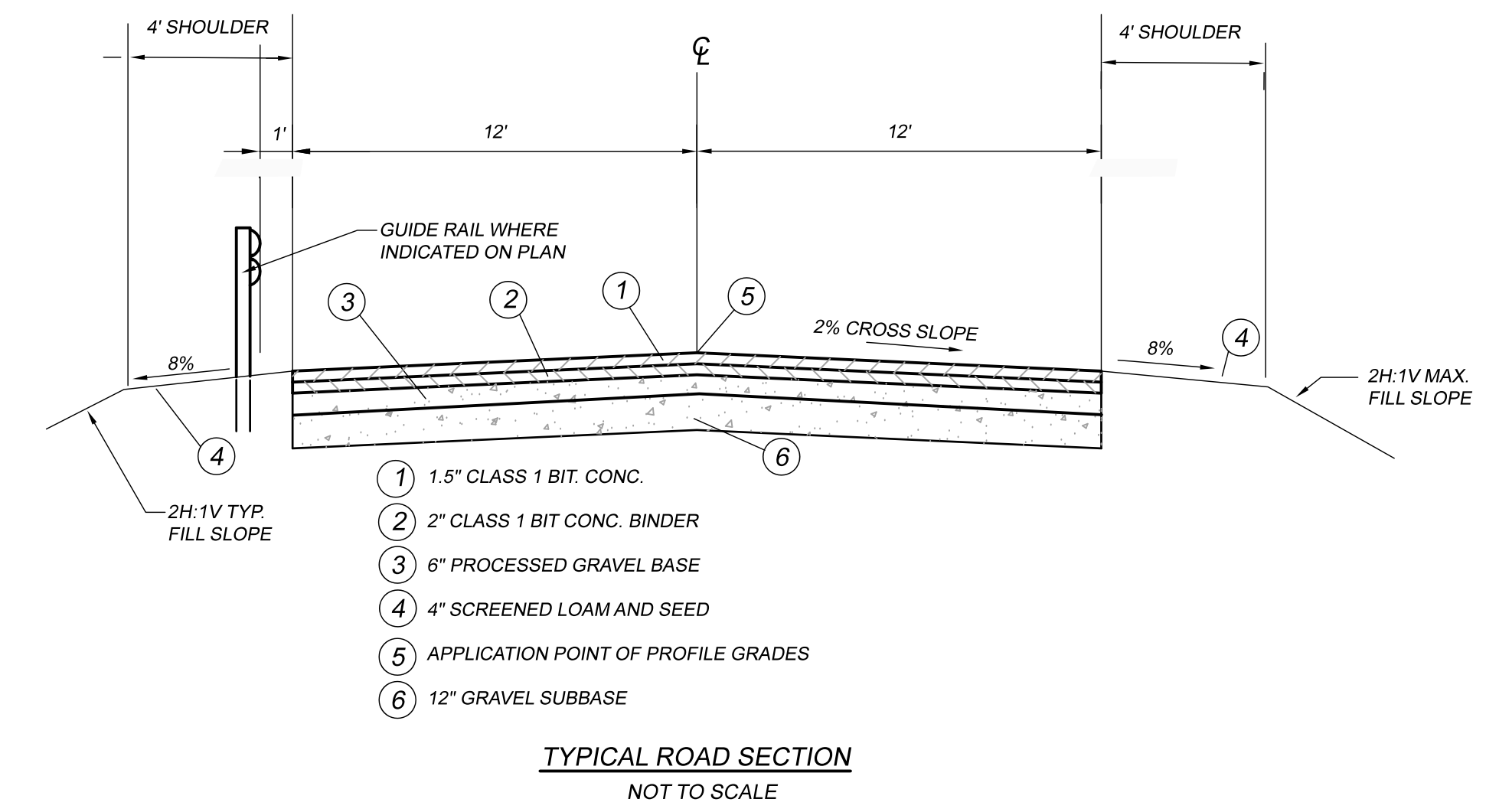


ROAD PROFILE
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'

ROADWAY PROFILE WHEATON BROOK CULVERT PREPARED FOR TOWN OF THOMPSON WEST THOMPSON ROAD - THOMPSON, CT	
J&D CIVIL ENGINEERS, LLC 401 RAVENELLE ROAD N. GROSVENORDALE, CT 06255 860-923-2920	
DESIGNED: DDB CHECKED: JJB	REVISIONS:
JOB NO: 18189 SCALE: AS NOTED	DATE: NOVEMBER 4, 2020 SHEET: 4 OF 14



CROSS SECTIONS
1" = 5'



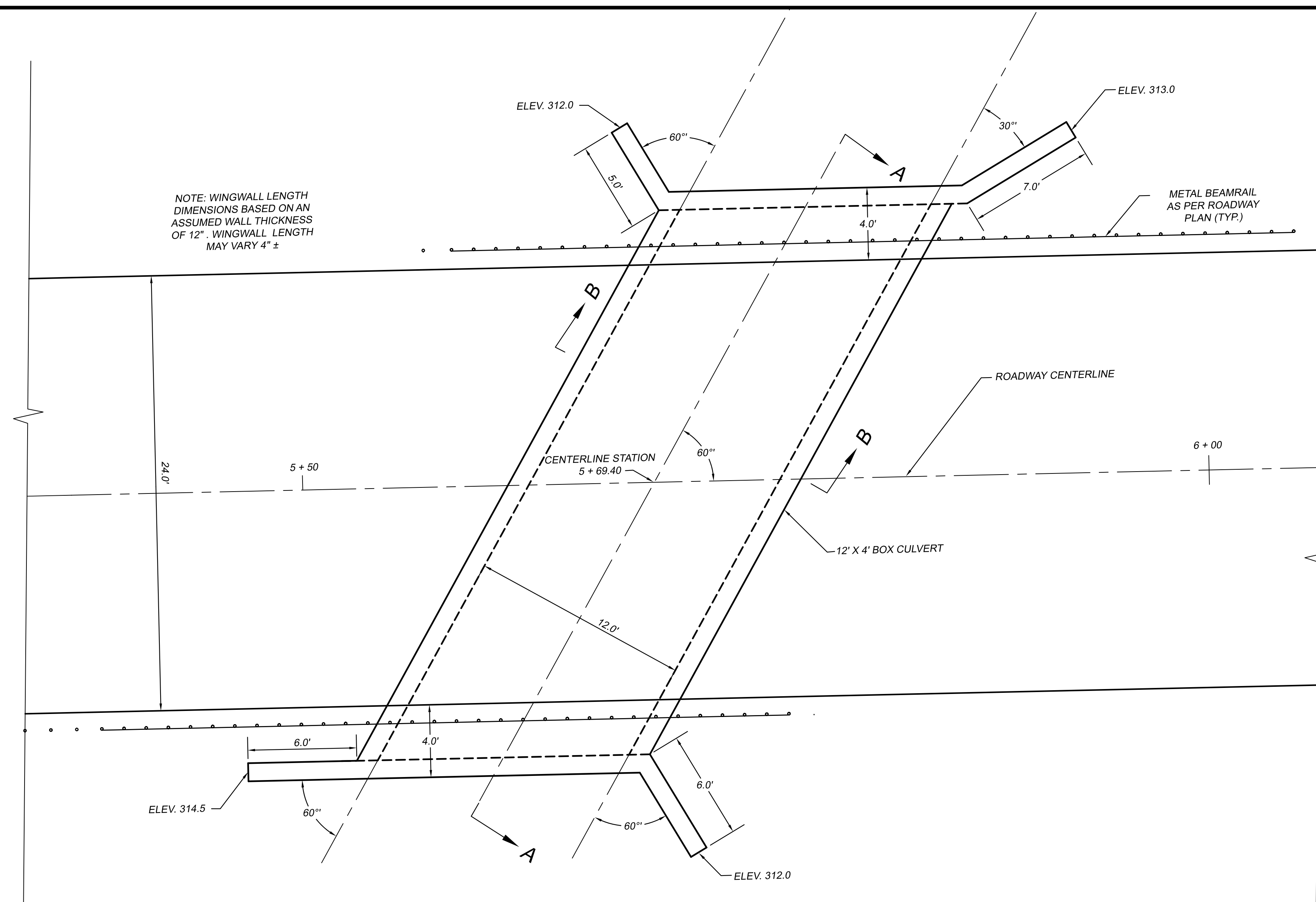
ROADWAY CROSS SECTIONS WHEATON BROOK CULVERT PREPARED FOR TOWN OF THOMPSON WEST THOMPSON ROAD - THOMPSON, CT	
J&D CIVIL ENGINEERS, LLC 401 RAVENELLE ROAD N. GROSVENORDALE, CT 06255 860-923-2920	
DESIGNED: DDB CHECKED: JJB	REVISIONS:
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SCALE: AS NOTED	SHEET: 5 OF 14

SOIL & GEOTECHNICAL NOTES
SIEVE ANALYSIS - NATIVE MATERIAL
JULY 30, 2019 BY SOIL TECHNOLOGY ASSOCIATES

US STANDARD SIEVE SIZE	SAMPLE
1.5"	92.3
3/4"	89.5
3/8"	78.3
#4	65.9
#8	53.8
#16	42.8
#30	32.0
#50	17.9
#100	8.6
#200	2.3

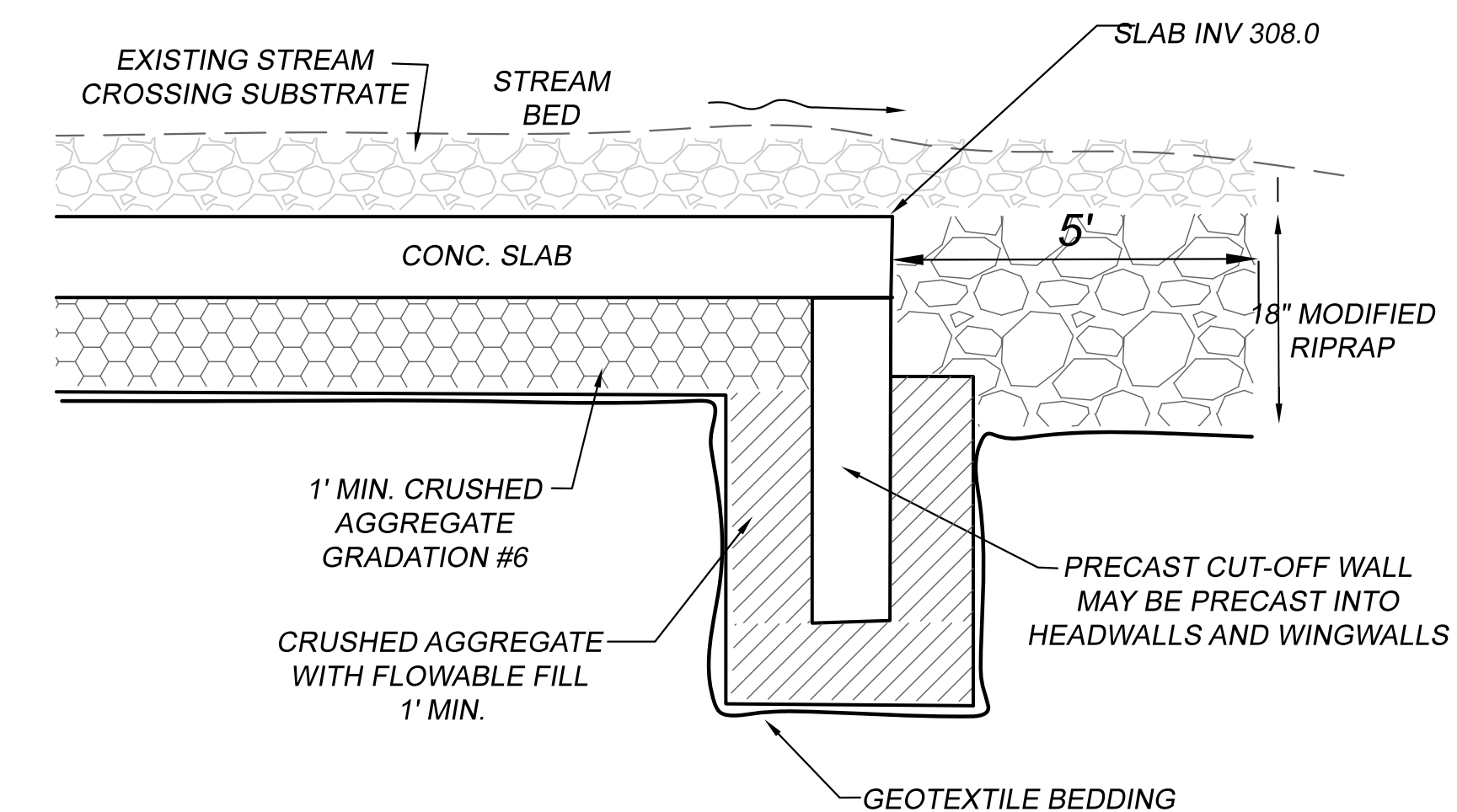
% RETAINED ON NO. 4 SIEVE: 34

SOIL CLASSIFICATION: SW "WITH GRAVEL"
(ASTM D-2487)

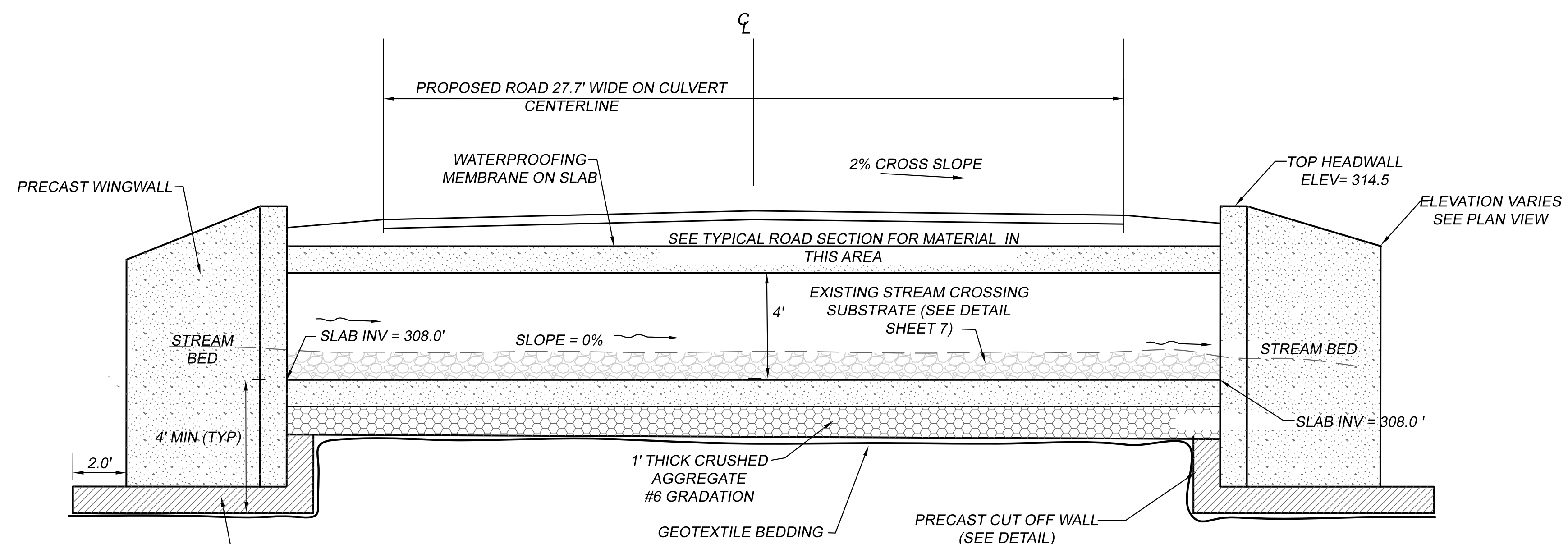


PROPOSED CULVERT PLAN VIEW

1" = 4'



**PRECAST CUTOFF WALL
NTS**



LONGITUDINAL CULVERT CROSS SECTION A-A

1" = 4'

**CULVERT PLAN & SECTIONS
WHEATON BROOK CULVERT
PREPARED FOR
TOWN OF THOMPSON
WEST THOMPSON ROAD - THOMPSON, CT**

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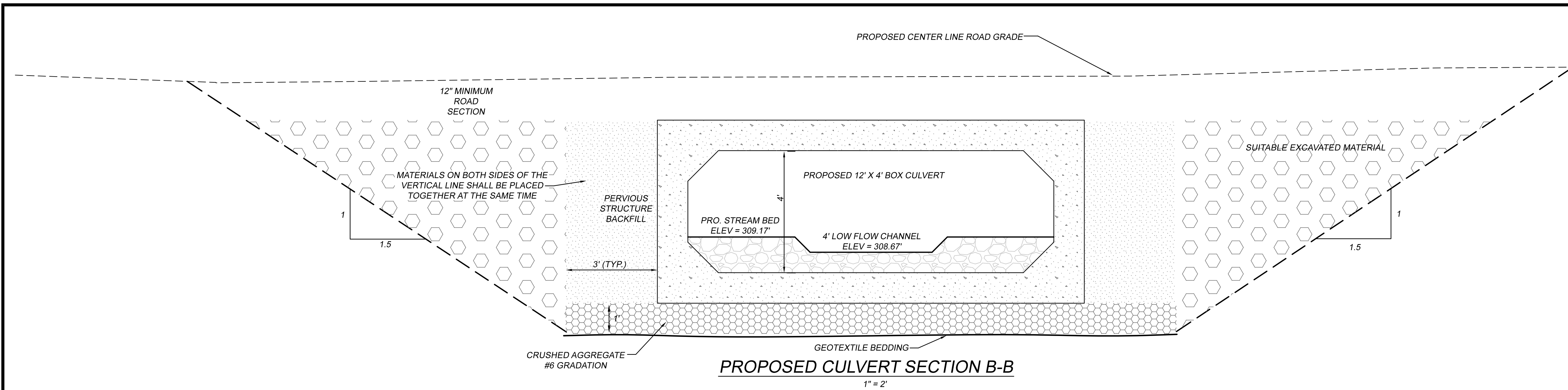
REVISIONS:

JOB NO: 18189

DATE: NOVEMBER 4, 2020

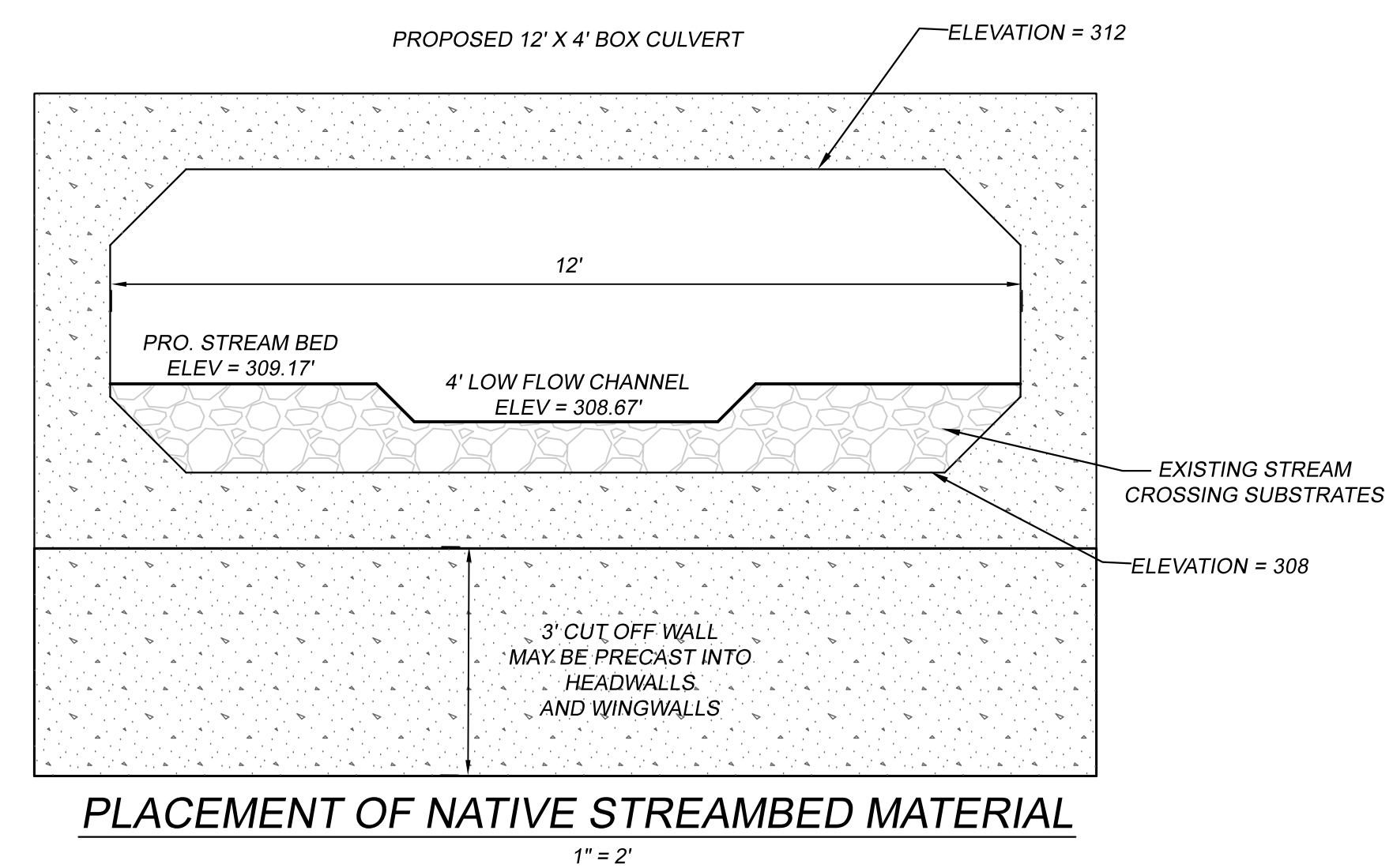
SCALE: AS NOTED

SHEET: 6 OF 14

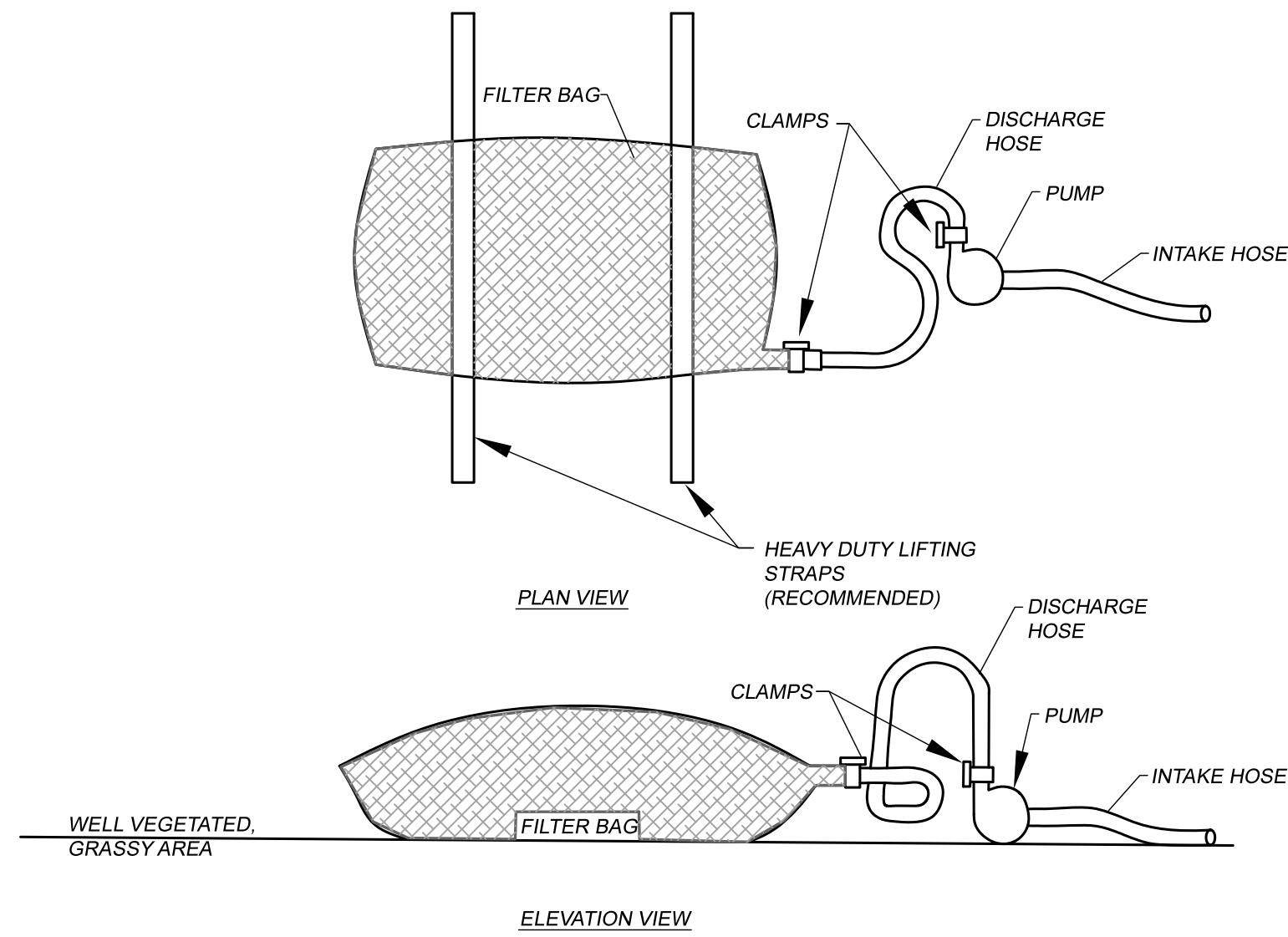


CONSTRUCTION NOTES:

1. REINFORCEMENT IN BOX CULVERT AND CUT OFF WALL NOT SHOWN FOR CLARITY.
2. IF WEEPHOLES ARE REQUIRED, USE 4" DIA. PIPE AND PREFABRICATED STRUCTURAL DRAIN.
3. THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR. IF STAGED CONSTRUCTION IS EMPLOYED, THE PRECAST BOX CULVERT SEGMENT LENGTH MUST BE COMPATIBLE WITH STAGING REQUIREMENTS.
4. PRECAST CUT-OFF WALLS AND WINGWALLS SHALL BE PLACED ON A LEVELING BED OF CRUSHED MATERIAL MEETING THE REQUIREMENT OF MATERIAL DESIGNATION XXXX, XXX A PRIMARY SIZE DESIGNATION OF X. AFTER PLACING AND LEVELING THE PRECAST UNITS, THE AREAS BENEATH, IN FRONT AND BEHIND THE UNITS SHALL BE GROUTED WITH CONTROLLED LOW STRENGTH MATERIAL MEETING THE REQUIREMENTS OF SECTION XXX.
5. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1".



<p>CULVERT DETAILS WHEATON BROOK CULVERT PREPARED FOR TOWN OF THOMPSON WEST THOMPSON ROAD - THOMPSON, CT</p>	
<p>J&D CIVIL ENGINEERS, LLC 401 RAVENELLE ROAD N. GROSVENORDALE, CT 06255 860-923-2920</p>	
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<p>JOB NO: 18189</p>	<p>DATE: NOVEMBER 4, 2020</p>
<p>SCALE: AS NOTED</p>	<p>SHEET: 7 OF 14</p>



PUMPED WATER FILTER BAG
N.T.S.

NOTES:
LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MIN. STANDARD
AVG. WIDE STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4832	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

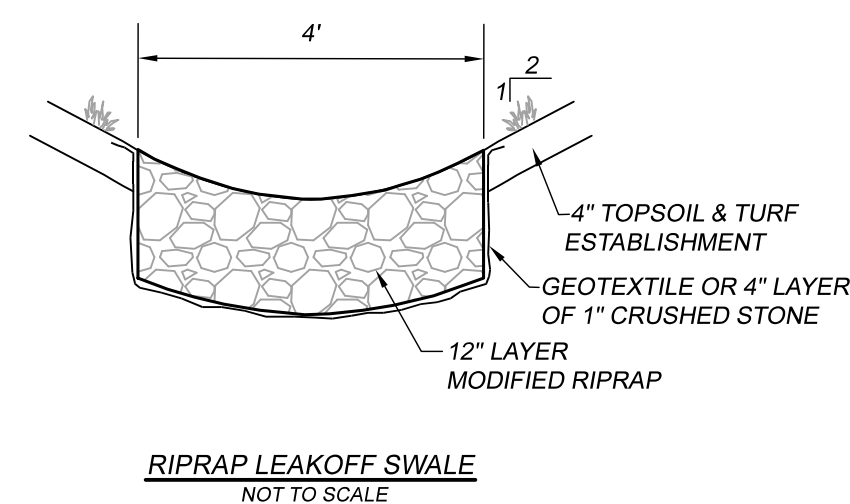
BAGS SHALL BE LOCATED IN WELL VEGETATED (GRASSY) AREAS, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE IS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS, WITHIN 50' OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

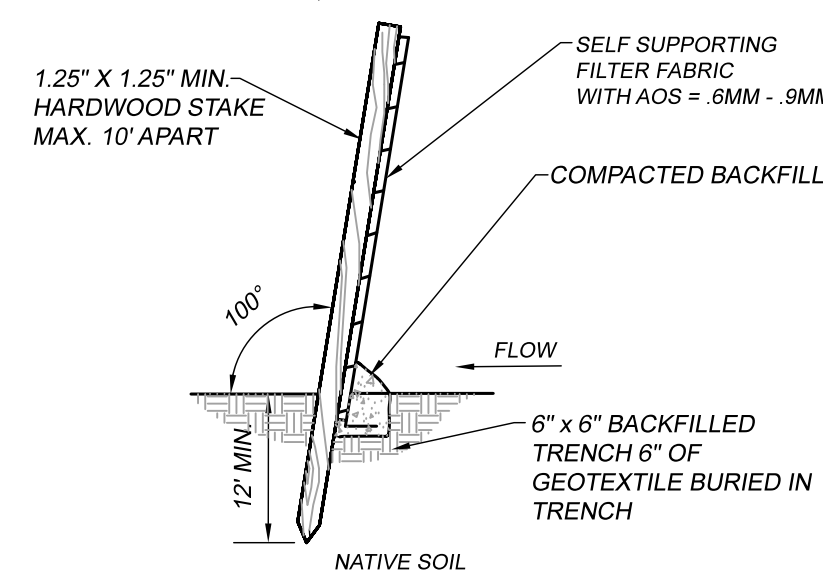
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

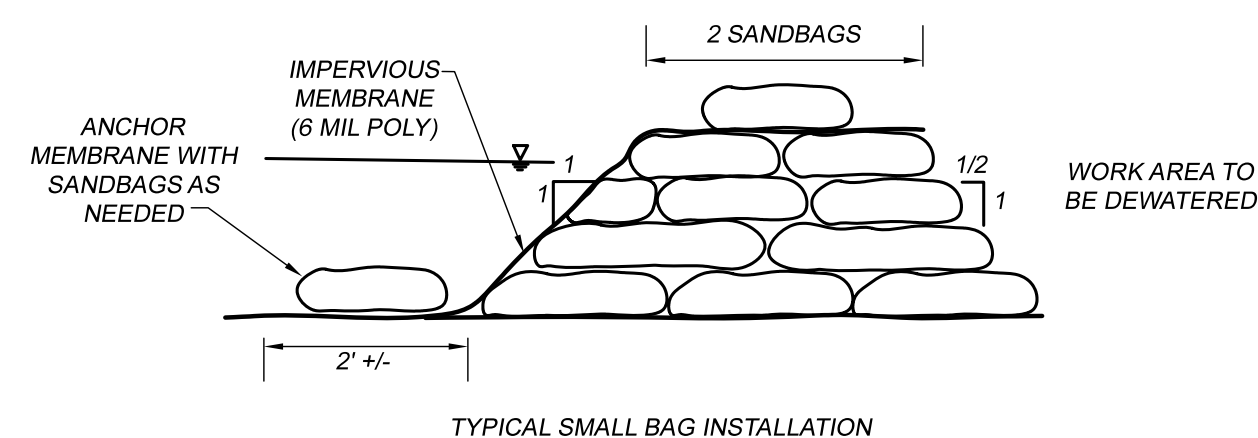
FILTER BAGS SHALL BE INSPECTED DAILY IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.



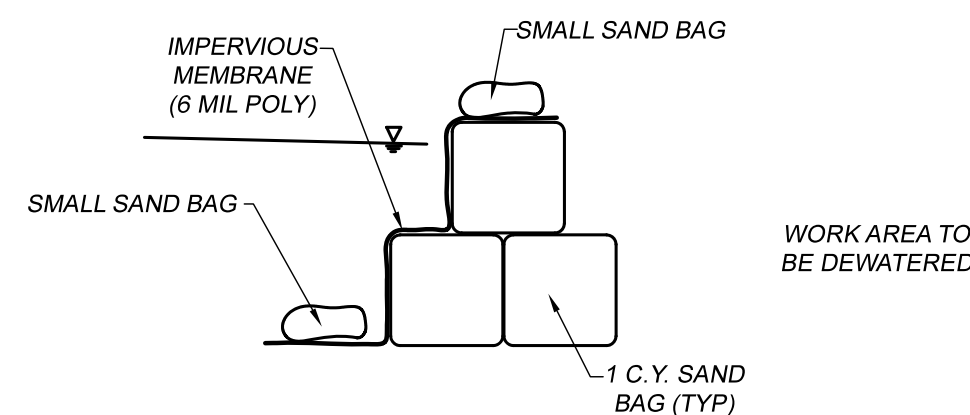
RIPRAP LEAKOFF SWALE
NOT TO SCALE



SILT FENCE INSTALLATION
NOT TO SCALE



TYPICAL SMALL BAG INSTALLATION

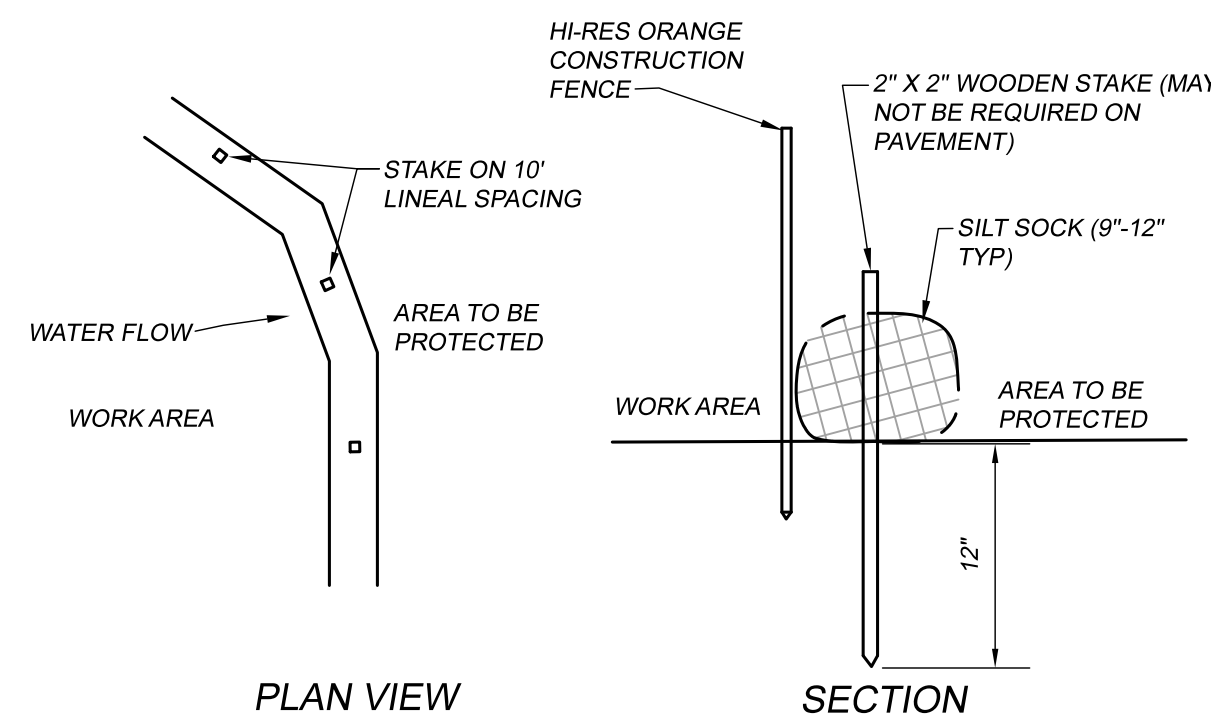


TYPICAL LARGE BAG (1 C.Y.) INSTALLATION

INSTALLATION NOTES:

1. THE UPSTREAM COFFERDAM IS INSTALLED FIRST. REMOVE LARGE ROCKS ON STREAMBED THAT WOULD INTERFERE WITH SEAL. THICK MIL POLY SHEETING IS LAID ALONG THE STREAMBED BEFORE THE SANDBAGS ARE PLACED.
2. THE EXCESS PLASTIC IS THEN FOLDED OVER THE SANDBAGS IN THE UPSTREAM DIRECTION AND ANOTHER LAYER OF SANDBAGS IS PLACED ON THE PLASTIC TO HELP SEAL THE DAM FROM INFILTRATION. THE PLASTIC IS THEN EXTENDED ALONG THE STREAM BOTTOM AS FAR UPSTREAM AS PRACTICABLE TO INCREASE THE FLOW LENGTH OF THE SUBSURFACE FLOW. THIS HELPS PREVENT FLOW FROM GOING BENEATH THE SANDBAG COFFERDAM.
3. WHEN INDUSTRIAL SANDBAGS ARE USED, ADDITIONAL SMALL SANDBAGS MAY BE PLACED IN BETWEEN THE LARGE SANDBAGS TO HELP SEAL THE WORK AREA.
4. ONCE THE UPSTREAM COFFERDAM IS SECURED, THE CONTRACTOR WILL BEGIN DIVERTING UPSTREAM FLOWS AROUND THE COFFERDAM AREA USING A BYPASS PUMP. THIS WATER WILL BE DISCHARGED DIRECTLY INTO THE FILTER BAG.
5. THE DOWNSTREAM COFFERDAM WILL THEN BE INSTALLED IN THE SAME MANNER AS THE UPSTREAM COFFERDAM. THE DOWNSTREAM COFFERDAM ACTS AS A SAFEGUARD AGAINST A FAILURE OF THE UPSTREAM COFFERDAM AND TO CONTROL DOWNSTREAM BACKWATER SITUATIONS.
6. CONTRACTOR MAY USE JERSEY BARRIERS OR PRECAST CONCRETE BLOCKS IN LIEU OF SANDBAGS.

COFFER DAM DETAIL
NOT TO SCALE



PLAN VIEW

SECTION

NOTES

1. SILT SOCK MANUFACTURER SHALL BE SILT SOXX OR ENGINEER APPROVED EQUAL
2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS
4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

SILT SOCK DETAIL
NOT TO SCALE

GENERAL CONSTRUCTION NOTES:

LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. THE CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG AND FIELD VERIFY THE LOCATION, DEPTH AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC.

CONSTRUCTION SHALL BE IN CONFORMANCE WITH CONDOT FORM 818 UNLESS OTHERWISE NOTED ON THE PLANS. UTILITY INSTALLATION SHALL BE IN CONFORMANCE WITH THE APPROPRIATE UTILITY COMPANY.

THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH EACH UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

TYPICAL DETAILS SHOWN ARE TO ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY SUBMIT PROPOSALS FOR ALTERNATE METHODS TO SUIT FIELD CONDITIONS.

ALL TRENCHING SHALL BE DONE IN COMPLIANCE WITH OSHA REGULATIONS AND THE INSTALLATION REQUIREMENTS OF THE PIPE MANUFACTURER. THE OSHA CLASSIFICATION FOR SOILS AT THIS SITE IS "C" WHICH REQUIRES ALL EXCAVATIONS IN EXCESS OF 5' TO BE SHORED OR CUT BACK TO A SLOPE OF 1.5 HORIZONTAL TO 1.0 VERTICAL. IF SHORING IS REQUIRED, IT MUST BE DESIGNED BY A LICENSED CT PROFESSIONAL ENGINEER.

BENCHMARKS WILL BE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR IN LAYING OUT THE PROJECT. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

THE CONTRACTOR SHALL PROTECT BENCHMARKS, PROPERTY CORNERS AND SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. ANY SUCH ITEMS WHICH NEED TO BE REPLACED SHALL BE AT THE CONTRACTOR'S EXPENSE.

SOIL EROSION CONTROL PLAN

THE PURPOSE OF THIS PROJECT IS TO REPLACE THE WHEATON BROOK CULVERT ON WEST THOMPSON ROAD AND RECONSTRUCT APPROXIMATELY 300' OF ROAD. THE GOAL OF THE EROSION CONTROL PLAN IS TO PROHIBIT ANY ERODED SEDIMENT OR SEDIMENT LADEN RUNOFF FROM ENTERING WHEATON BROOK OR ADJACENT WETLANDS. THE SITE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS NEEDED, BEYOND WHAT IS INDICATED ON THE PLAN, SUCH AS HAYBALES, SILT SOCK, STONE CHECK DAMS ETC. TO ENSURE THAT NO SEDIMENT ERODES FROM THE SITE.

CONSTRUCTION SEQUENCE

1. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, HIGHWAY DEPARTMENT, ENGINEER AND WETLANDS AGENT.
2. INSTALLATION OF SEDIMENT CONTROL BARRIERS AS SHOWN ON THE PLAN.
3. REMOVE EXISTING GUIDE RAIL.
4. REVIEW THE INSTALLATION NOTES FOR THE PUMPED WATER FILTER BAG AND THE SAND BAG COFFER DAM DETAILS.
5. INSTALL THE FILTER BAG WHERE SHOWN ON THE PLANS.
6. INSTALL THE UPSTREAM COFFERDAM AROUND THE INLET LOCATION OF THE TEMPORARY BYPASS CULVERT FIRST AS PER THE DETAIL.
7. ONCE THE UPSTREAM COFFERDAM IS SECURED, BEGIN PUMPING THE EXCAVATION AREA FOR THE TEMPORARY BYPASS CULVERT. PUMP INTO TO THE FILTER BAG IF SEDIMENT IS FLOWING DOWNSTREAM.
8. EXCAVATE WITHIN THE ROAD FOR THE TEMPORARY BYPASS CULVERT AND INSTALL FROM UPSTREAM TO DOWNSTREAM.
9. THE TEMPORARY BYPASS CULVERT WILL ALLOW FOR CONTINUOUS RIVER FLOW DURING CONSTRUCTION.
10. AFTER THE TEMPORARY BYPASS CULVERT IS INSTALLED THE UPSTREAM COFFERDAM SHALL BE SLOWLY AND CAREFULLY REMOVED FROM THE TEMPORARY CULVERT AND REINSTALLED FOR THE PERMANENT CULVERT.
11. INSTALL DOWNSTREAM COFFERDAM FOR THE PERMANENT CULVERT AND BEGIN PUMPING TO FILTER BAG.
12. MONITOR THE FLOW TO MAKE SURE THAT IT IS FREE FROM SEDIMENT PRIOR TO IT ENTERING THE BROOK DOWNSTREAM. IF SEDIMENT IS OBSERVED, STOP THE PUMPING OPERATIONS AND INSTALL AN ADDITIONAL PUMPING SETTLING BASIN COMPRISED OF HAYBALES AND NON-WOVEN GEOTEXTILE AS PER CHAPTER 5-13 OF THE 2002 CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
13. CONTINUE PUMPING AS NEEDED DURING THE CONSTRUCTION OF THE REPLACEMENT CULVERT UNTIL REMOVAL OF COFFERDAM IS HAS BEGUN.
14. REMOVE EXISTING BRIDGE.
15. INSTALL NEW PRECAST CONCRETE CULVERT.
16. REMOVE COFFERDAMS.
17. BLOCK INLET OF TEMPORARY BYPASS CULVERT AND REMOVE FROM DOWNSTREAM TO UPSTREAM. PLACE AND COMPACT SUBGRADE MATERIAL.
18. PLACE AND COMPACT SUBGRADE MATERIAL.
19. PLACE AND COMPACT SUBBASE AND BASE.
20. PAVE ROAD.
21. HYDROSEED AND HAY COVER OVER DISTURBED AREAS.
22. INSTALL GUIDE RAIL.
23. COMPLETE SITE STABILIZATION AND REMOVE EROSION CONTROL.

OPERATIONS AND MAINTENANCE

1. ALL PROPOSED WORK SHALL CONFORM TO "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION AND TOWN REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE GOALS OF THIS EROSION CONTROL PLAN ARE MET BY WHATEVER MEANS ARE NECESSARY. THE CONTRACTOR SHALL PLAN ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF DISTURBED AREAS.
3. DAILY INSPECTIONS SHALL BE MADE OF EROSION AND SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVENESS AND IMMEDIATE CORRECTIVE ACTION SHALL BE TAKEN IF FAILURE OCCURS. ADDITIONAL EROSION CONTROL MEASURES BEYOND WHAT IS SHOWN ON THE PLAN MAY BE NECESSARY.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THIS EROSION AND SEDIMENT CONTROL PLAN.

**EROSION AND SEDIMENT CONTROL
CONSTRUCTION DETAILS
WHEATON BROOK CULVERT
PREPARED FOR
TOWN OF THOMPSON
WEST THOMPSON ROAD - THOMPSON, CT**

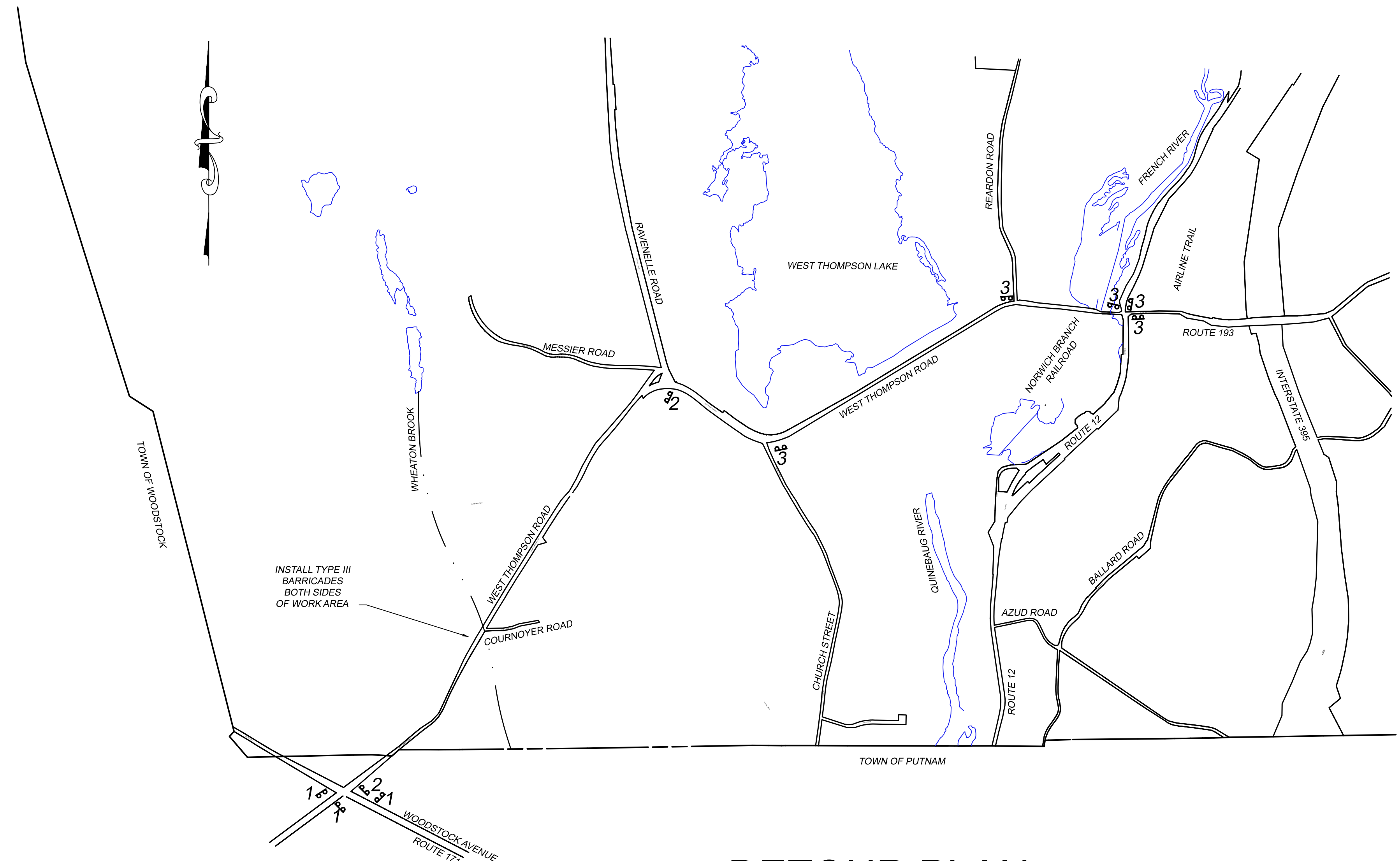
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DESIGNED: **DDB**
CHECKED: **JJB**

REVISIONS:

JOB NO: **18189**
SCALE: **AS NOTED**

DATE: **NOVEMBER 4, 2020**
SHEET: **8 OF 14**

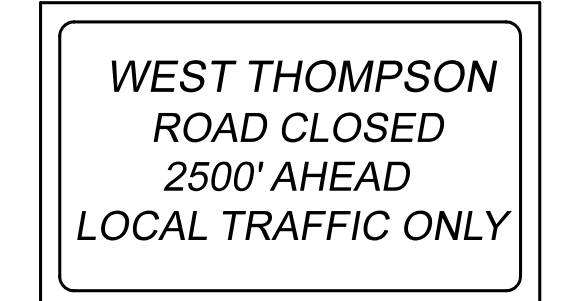


INSTALL TYPE III BARRICADES BOTH SIDES OF WORK AREA

DETOUR PLAN

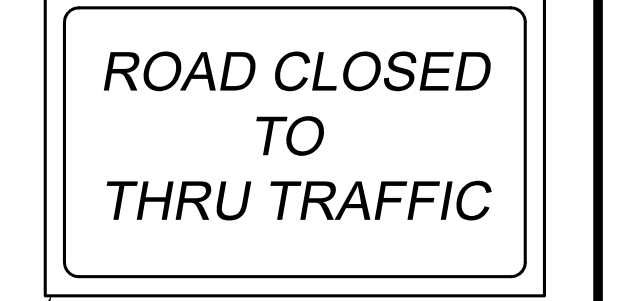
1" = 1000'

1
(PROVIDE 3 SIGNS)



80-9928

2
(PROVIDE 2 SIGNS)



80-9081

SILVER BACKGROUND WITH TYPE 1 SHEETING

3
(PROVIDE 5 SIGNS)



80-9928

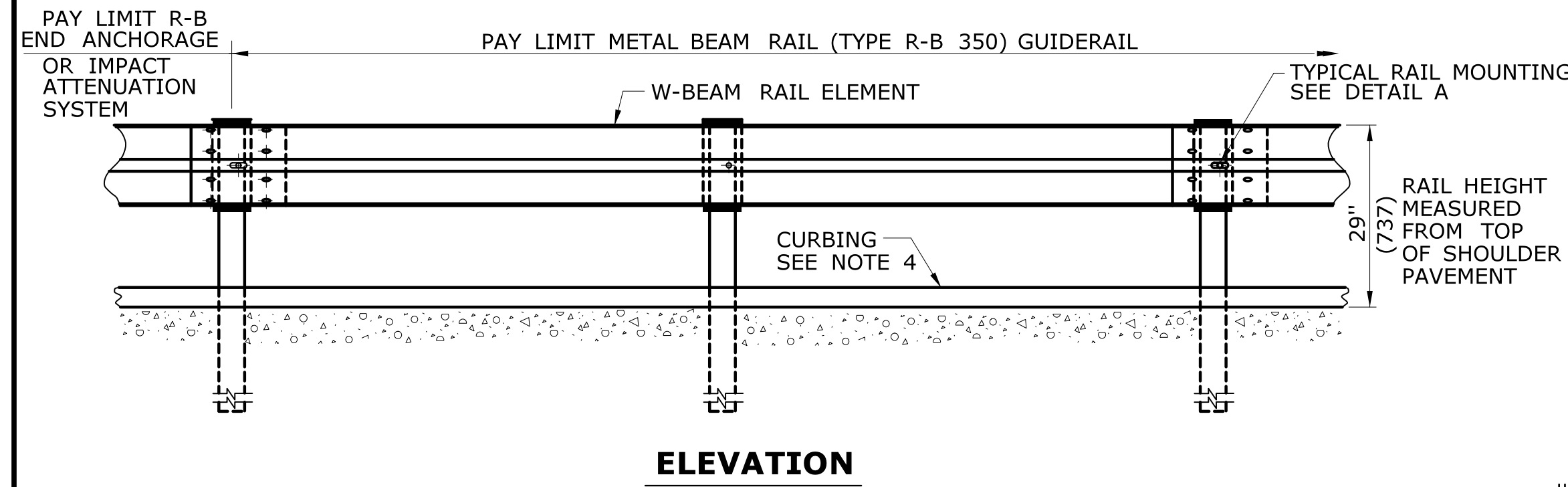
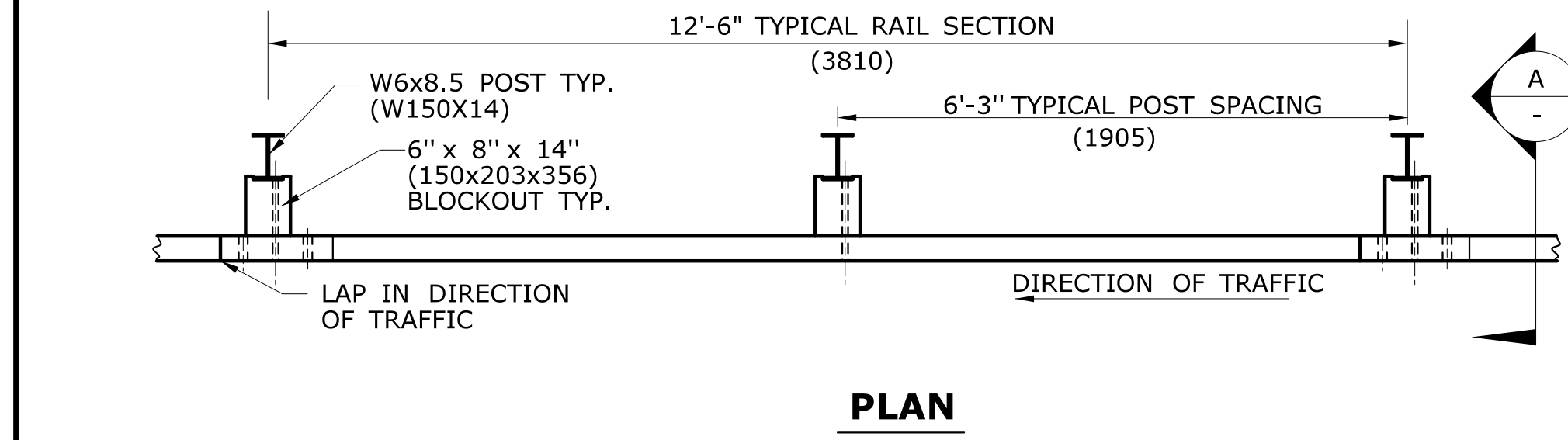
DETOUR NOTES:

1. INSTALL SIGNS AS PER CT DOT AND THE MANUAL OF UNIFORM TRAFFIC DEVICES.
2. INSTALL SIGNS WITHIN ROAD R.O.W. AND NOT ON PRIVATE PROPERTY.
3. SIGNS SHALL BE INSTALLED NO SOONER THAN TWO DAYS PRIOR TO ACTUAL ROAD CLOSING AND INSTALLATION OF BARRIERS.
4. THE SIGNS SHALL BE REMOVED IMMEDIATELY FOLLOWING REMOVAL OF BARRIERS. SIGNS SHALL BECOME THE PROPERTY OF THE TOWN OF THOMPSON AND SHALL BE DELIVERED TO THE HIGHWAY DEPARTMENT ON BUCKLEY HILL ROAD.
5. SEE SPECIFICATIONS. ROAD CLOSING SHALL BE LIMITED TO 14 DAYS.

ROAD CLOSURE & SIGNAGE WHEATON BROOK CULVERT PREPARED FOR TOWN OF THOMPSON WEST THOMPSON ROAD - THOMPSON, CT	
J&D CIVIL ENGINEERS, LLC 401 RAVENELLE ROAD N. GROSVENORDALE, CT 06255 860-923-2920	
DESIGNED: JJB CHECKED: DDB	REVISIONS:
JOB NO: 18189 SCALE: 1" = 1000'	DATE: NOVEMBER 4, 2020 SHEET: 9 OF 14

GENERAL NOTES:

- SEE SHEET HW-910.01 FOR HARDWARE AND DELINEATOR DETAILS.
- MAXIMUM DESIGN DEFLECTION FOR R-B 350 GUIDERAIL AT THE STANDARD POST SPACING OF 6'-3"(1905) IS 4'-3"(1295). DEFLECTION REQUIREMENT IS MEASURED FROM THE BACK OF POST TO THE FACE OF OBJECT.
- FOR CURVES WITH RADII OF 150'(45.7m) OR LESS, ALL RAIL ELEMENTS SHALL BE SHOP FABRICATED TO THE PROPER RADIUS AND GALVANIZED AFTER FABRICATION. RADIUS RAIL WHEN REQUIRED AND NOTED ON THE PLANS, IS INCLUDED IN THE PAY ITEM FOR GUIDERAIL.
- RAIL HEIGHT WITH CURBING SHALL BE MEASURED FROM THE TOP OF PAVEMENT. ON HIGH SPEED ROADWAYS ($\geq 45\text{mph}$ 72.4kph), 4"(102) CURBING MAY BE USED IN CONJUNCTION WITH GUIDERAIL AND THE RAIL ELEMENT SHALL BE PLACED FLUSH WITH THE FACE OF CURB. ON LOW SPEED ROADWAYS ($< 45\text{mph}$ 72.4kph), 6"(152) CURBING MAY BE USED IN CONJUNCTION WITH GUIDERAIL AND THE RAIL ELEMENT SHALL BE PLACED A MAXIMUM OF 9"(229) BEHIND THE FACE OF CURB.
- THREE BLOCKOUTS MAY BE USED FOR ONE POST ONLY. TWO BLOCKOUTS MAY BE USED FOR A SERIES OF POSTS. THE COST OF ADDITIONAL BLOCKOUTS AND LONGER BOLTS SHALL BE INCLUDED IN THE BID PRICE PER FOOT OF GUIDERAIL. EXTRA BLOCKOUTS AT TRANSITION TO BRIDGE PARAPETS SHOULD BE AVOIDED.
- W-BEAM GUIDERAIL MAY BE PLACED 1'(305) OR MORE FROM THE EDGE OF PAVEMENT ONLY ON SLOPES 10:1 OR FLATTER AND WITHOUT CURBING. IF THE RAIL IS INSTALLED WITHIN 2'(610) OF THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE SHOULDER SLOPE EXTENDED TO THE RAIL. IF THE RAIL IS INSTALLED BEYOND 2'(610) FROM THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE GROUND DIRECTLY BELOW THE RAIL.
- ALL R-B 350 GUIDERAIL TYPES INSTALLED ON EXPRESSWAYS AND RAMPS SHALL USE CLASS B, TYPE-II (10 GAUGE) W-BEAM RAIL ELEMENTS.
- 20" (507) DIA. EXCAVATED HOLE SHALL BE BACKFILLED WITH SUITABLE MATERIAL, OR GRANULAR FILL COMPACTED IN 6" (150) LIFTS BEFORE DRIVING POST OR POSTS MAY BE SET IN EXCAVATED HOLE AND BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM). 8" (203) DIA. HOLE SHALL BE BACKFILLED WITH SUITABLE MATERIAL.
- AS DIRECTED BY THE ENGINEER AND WHERE PAVEMENT FOR RAILING IS NOT BEING INSTALLED, A MIN. 6" DEPTH OF PROCESSED AGGREGATE SHALL BE INSTALLED FROM THE PAVEMENT EDGE OR BACK OF CURB TO A MINIMUM OF 2'(610) BEHIND THE GUIDERAIL POST AND COMPACTED IN 6" (150) LIFTS.
- MINIMUM RAIL HEIGHT FOR NEW CONSTRUCTION SHALL BE 29" (737) \pm 1" (25).



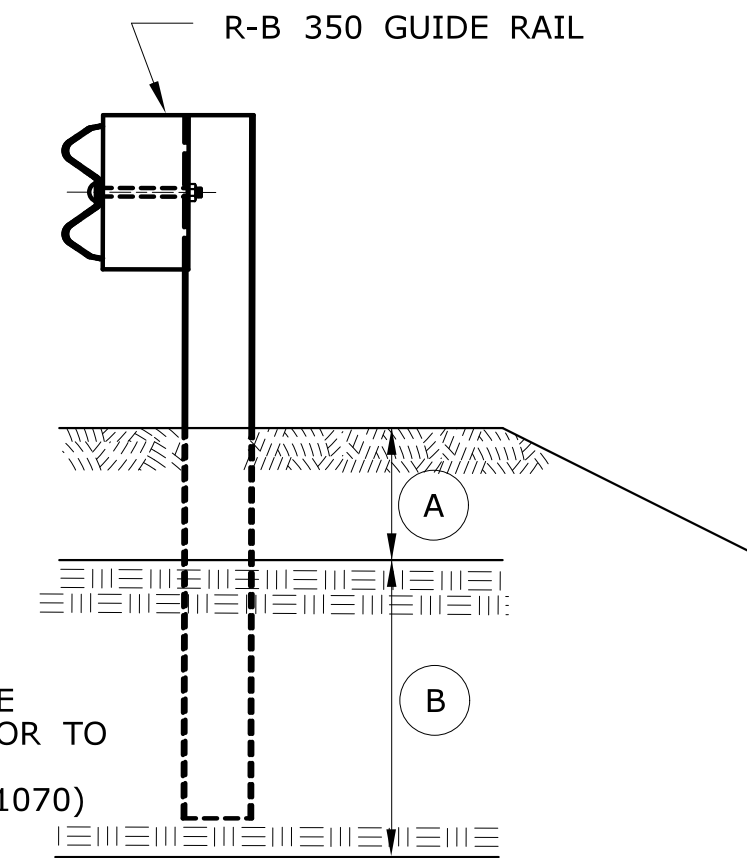
METAL BEAM RAIL (TYPE R-B 350)

CONDITION 1 :

IF SOIL DEPTH IS $< 18"$ (457) DEEP (A) DRILL 20" (507) DIA. HOLE 24" (610) INTO LEDGE (B)

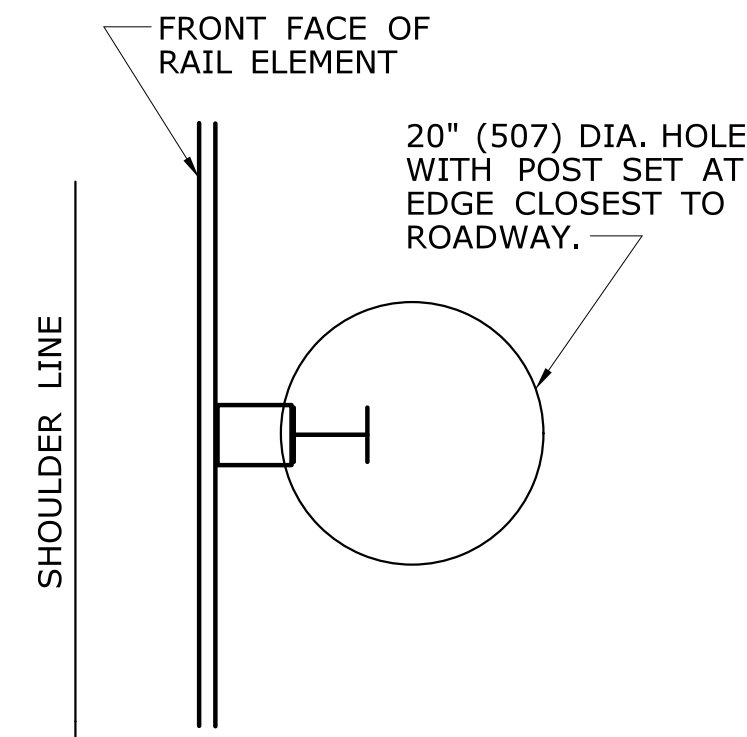
CONDITION 2 :

IF SOIL DEPTH IS $> 18"$ (457) DEEP (A) DRILL 8" (203) DIA. HOLE 1' (305) INTO LEDGE (B) OR TO THE DEPTH OF FULL EMBEDMENT OF $42\frac{1}{8}"$ (1070) WHICHEVER IS LESS.

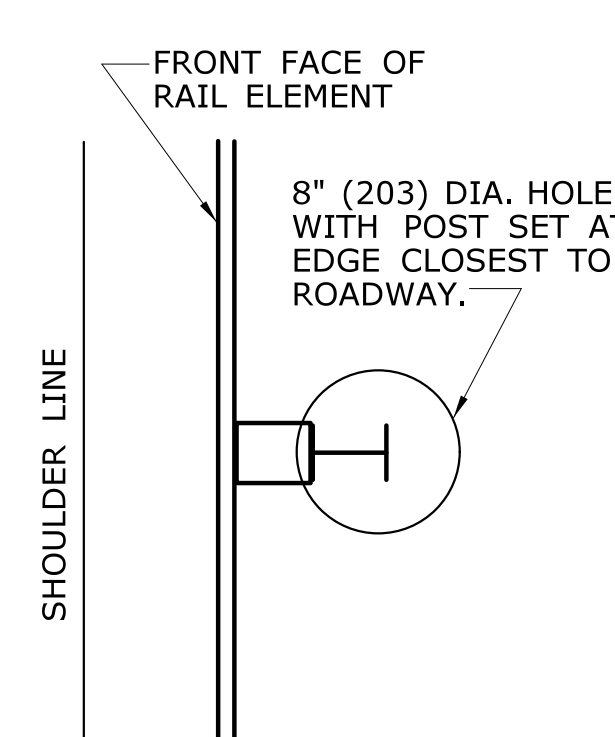


ELEVATION

(SEE NOTE 8)

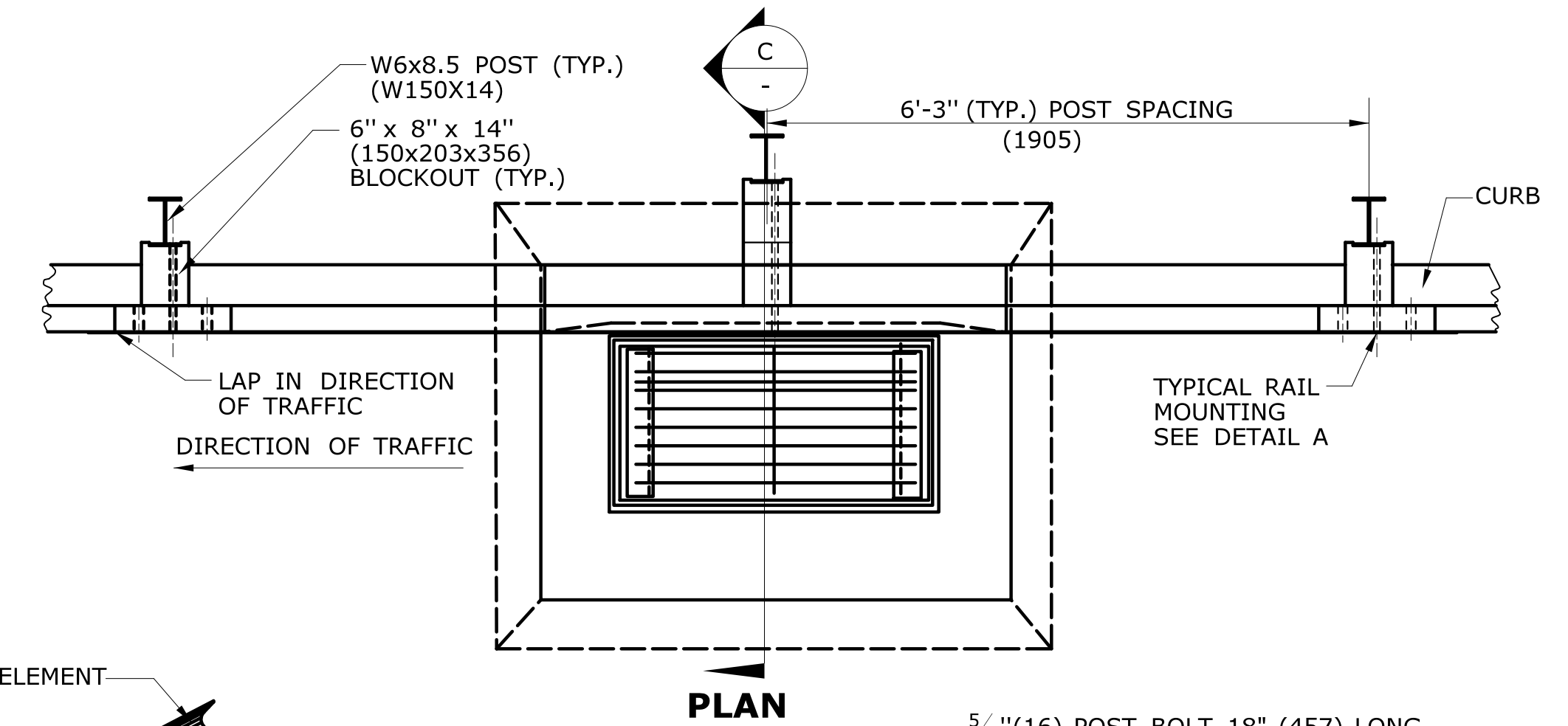


PLAN CONDITION 1
(SEE NOTE 8)

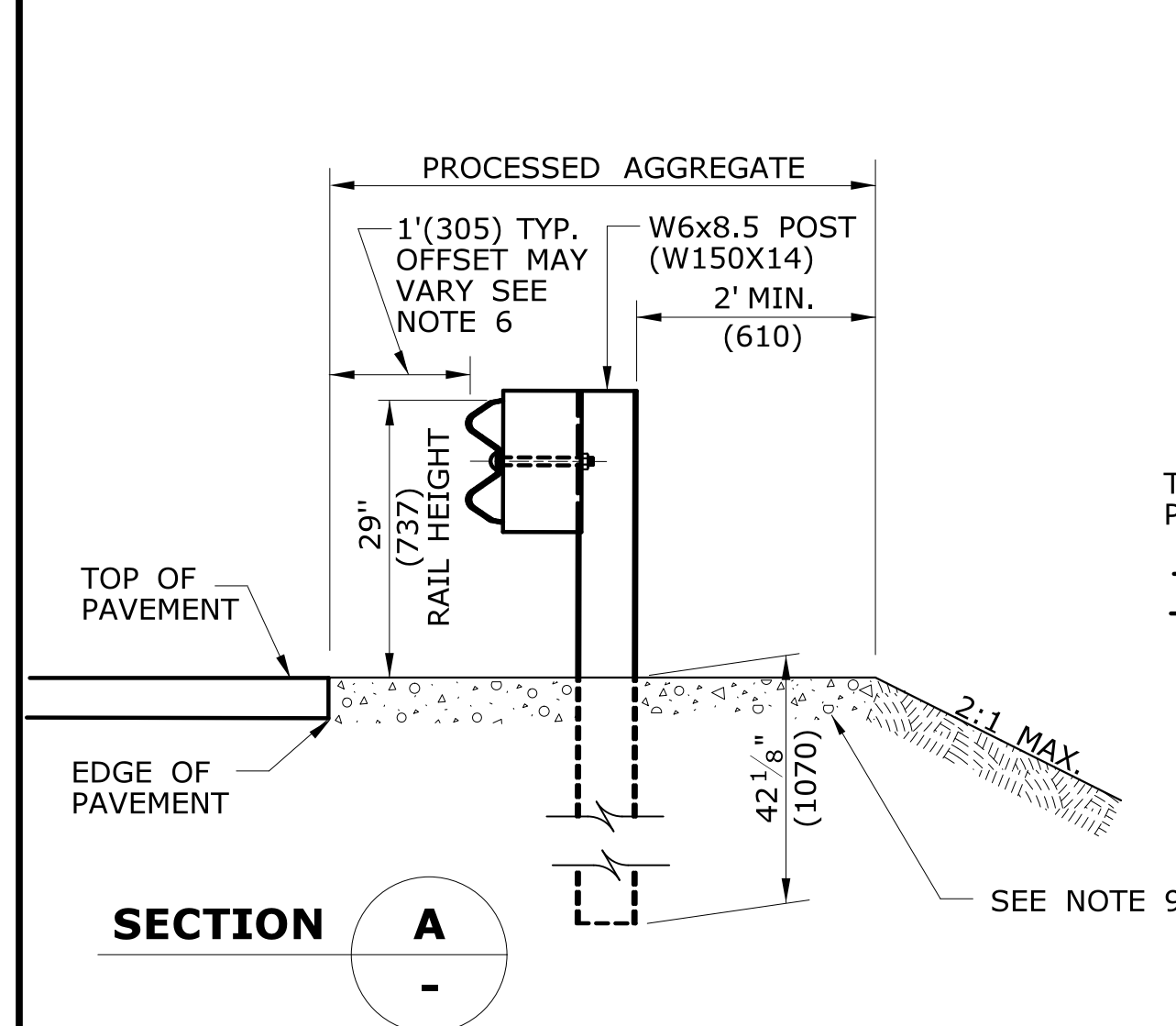


PLAN CONDITION 2
(SEE NOTE 8)

DRILLING IN ROCK FOR GUIDERAIL POSTS

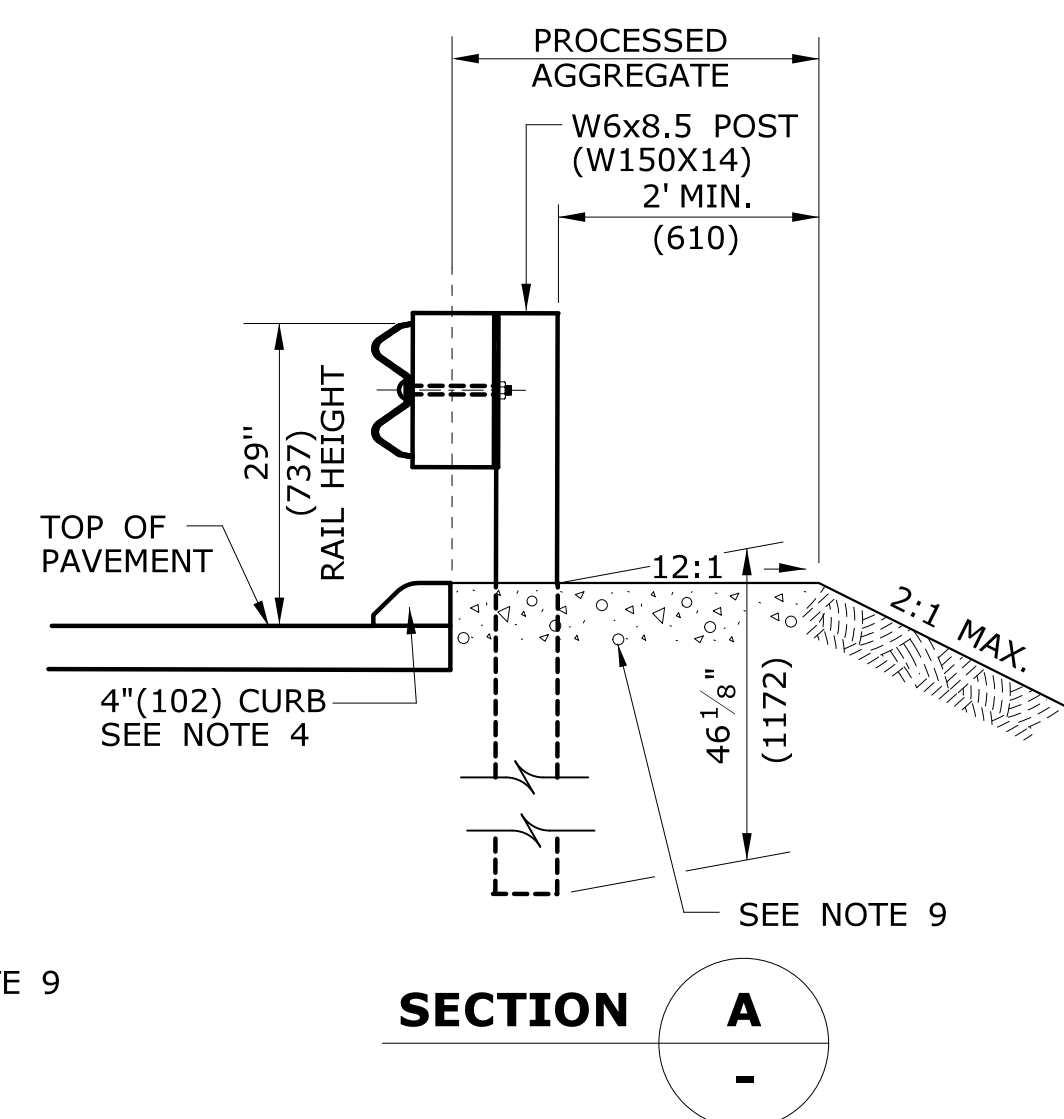


PLAN



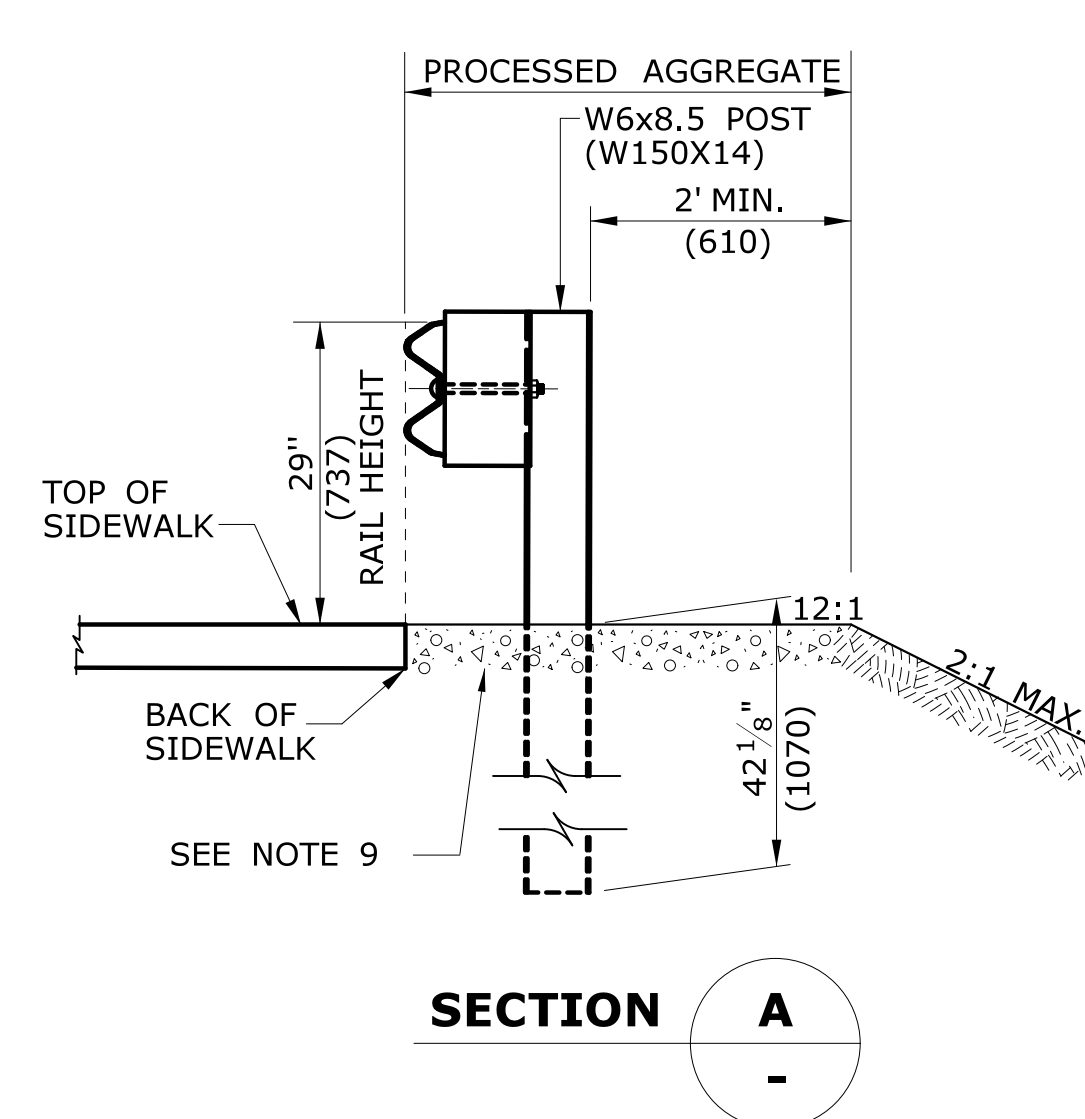
SECTION A

NO CURB APPLICATION



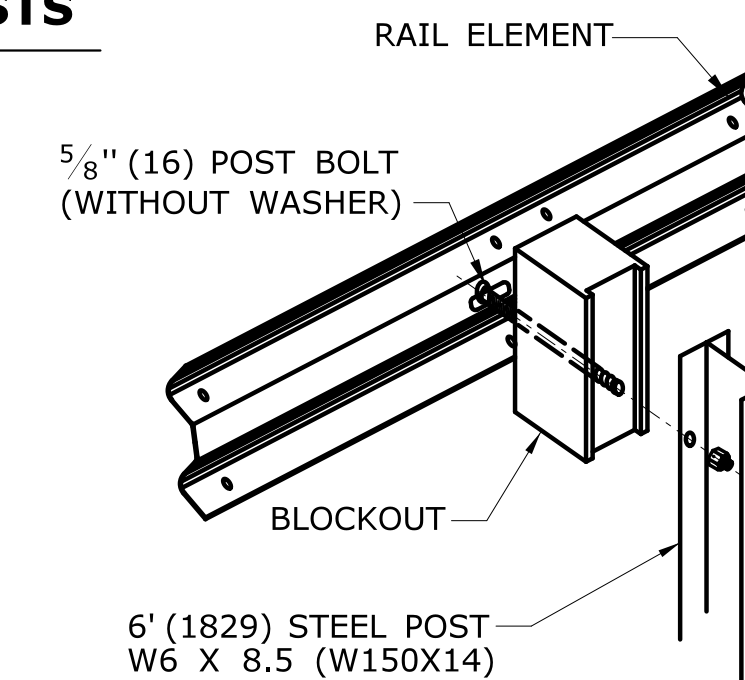
SECTION A

CURB APPLICATION

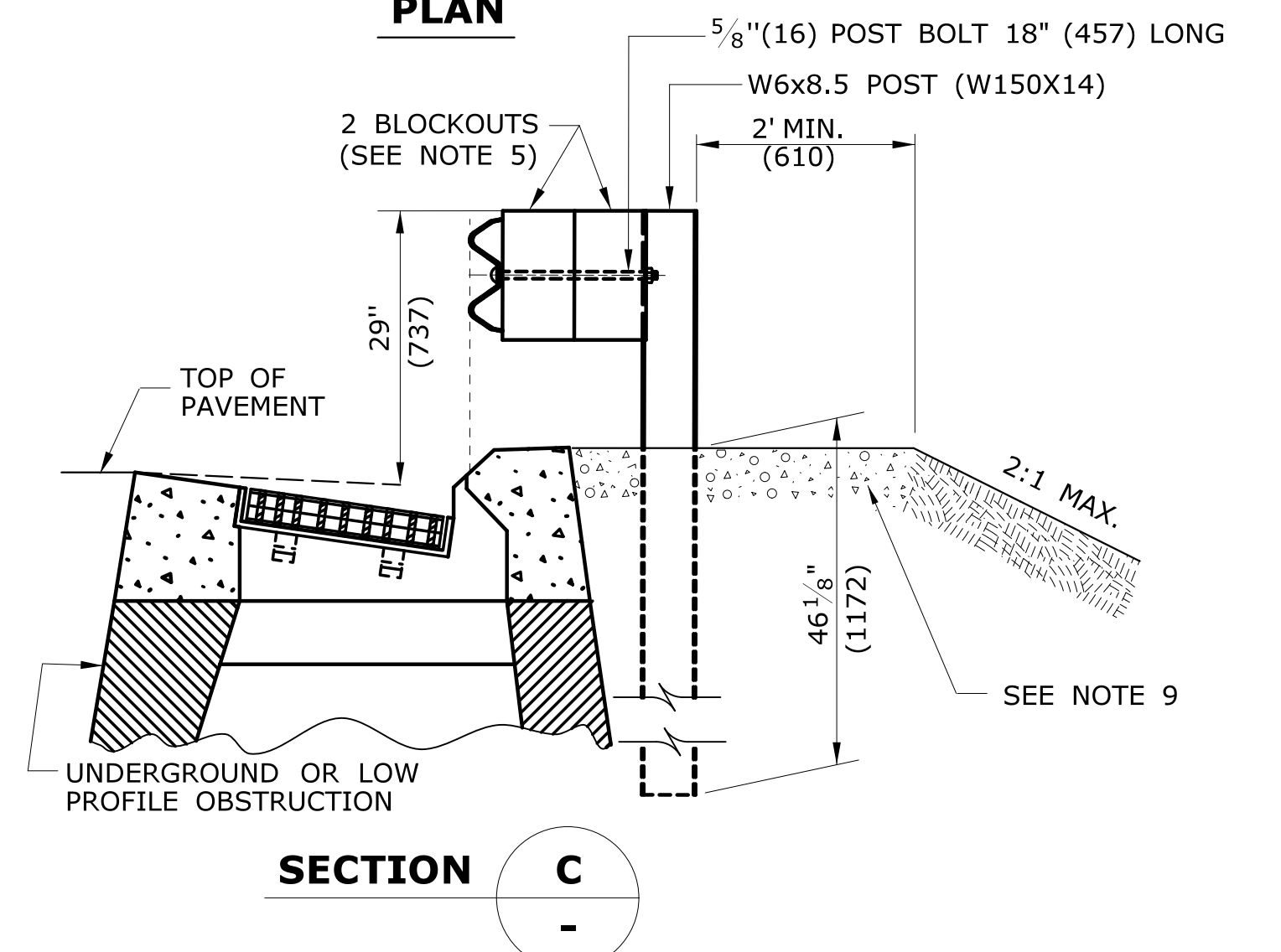


SECTION A

SIDEWALK APPLICATION



DETAIL A
RAIL MOUNTING



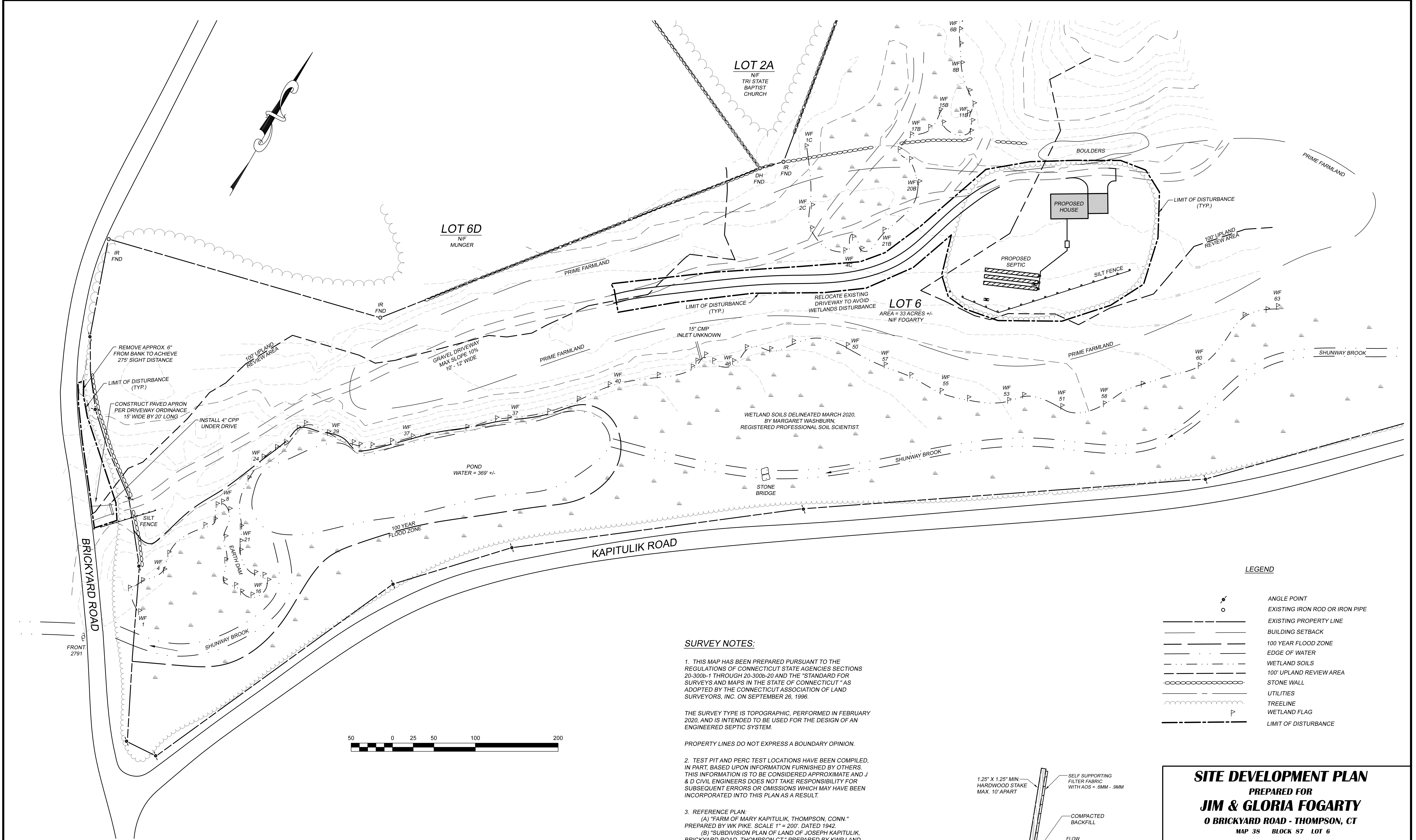
SECTION C

MULTIPLE BLOCKOUT APPLICATION (MAY BE USED TO AVOID UNDERGROUND OR LOW PROFILE OBSTRUCTION)

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

Agenda Item E.b) 3. New Applications

WAA20045, James Fogarty, 0 Brickyard Rd. (Assessor's map 38. block 87, lot 6), construction of a driveway in the 100-foot upland review area for a new single family home, stamped receive by the Town Clerk 11/3/2020, under review.



LEGEND

	ANGLE POINT
	EXISTING IRON ROD OR IRON PIPE
	EXISTING PROPERTY LINE
	BUILDING SETBACK
	100 YEAR FLOOD ZONE
	EDGE OF WATER
	WETLAND SOILS
	100' UPLAND REVIEW AREA
	STONE WALL
	UTILITIES
	TREELINE
	WETLAND FLAG
	LIMIT OF DISTURBANCE

SURVEY NOTES:

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

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN FEBRUARY 2020, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

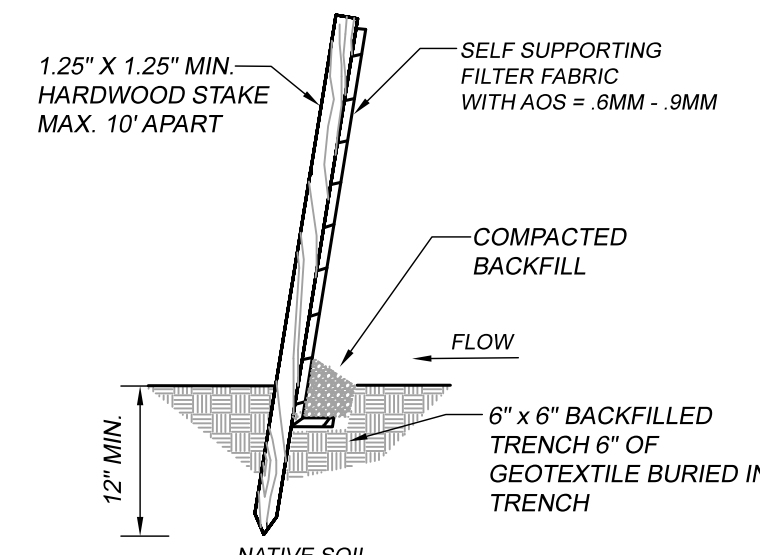
2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN:
 (A) "FARM OF MARY KAPITULIK, THOMPSON, CONN." PREPARED BY WK PIKE. SCALE 1" = 200'. DATED 1942.
 (B) "SUBDIVISION PLAN OF LAND OF JOSEPH KAPITULIK, BRICKYARD ROAD, THOMPSON CT." PREPARED BY KWP LAND SURVEYORS. SCALE 1" = 40'. DATED 1/21/1980.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/07 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE © 2020 J&D CIVIL ENGINEERS, LLC



SILT FENCE INSTALLATION
NOT TO SCALE



ZONING INFORMATION:
 ZONE RA 80
 MINIMUM LOT AREA 80,000 S.F.
 MINIMUM FRONTAGE 150'
 MINIMUM FRONT YARD 50'
 MINIMUM SIDE YARD 25'
 MINIMUM REAR YARD 25'

PROPERTY OWNER
 JAMES AND GLORIA FOGARTY
REFERENCE DEED
 THOMPSON LAND RECORDS
 VOL. 305 PG. 47
ASSESSORS REFERENCE
 MAP 38 BLOCK 87 LOT 6

SITE DEVELOPMENT PLAN PREPARED FOR JIM & GLORIA FOGARTY 0 BRICKYARD ROAD - THOMPSON, CT MAP 38 BLOCK 87 LOT 6	
J&D CIVIL ENGINEERS, LLC 401 RAVENELLE ROAD N. GROSVENORDALE, CT 06255 860-923-2920	
DESIGNED: DDB CHECKED: JJB	REVISIONS: 10-30-20 - ADD LIMIT OF DISTURBANCE
JOB NO: 20103 SCALE: 1" = 50'	DATE: SEPTEMBER 21, 2020 SHEET: 1 OF 2

E.c) 1. Applications Received After Agenda was
Published

Agenda Item G.a. Violations & Pending Enforcement Actions

Cease & Restore Order VIOL20003 Scott Josey, 637 East Thompson Road, Assessor's map 154, block 5, lot 14: filling of wetlands and work within 100-foot upland review area, issued 3/5/2020, hearing and decision 3/10/2020 soil scientist report submitted 5/10/2020 approved, and to be work completed by 9/15/2020.

Hi Marla,

Looks like the stone across the path filled the crossing. The design was for a 12" deep swale filled with 6" depth of compacted stone on fabric. This would permit overland flow during higher flow periods along with minor discharge through the stone pore areas. I'll talk to Scott to suggest the removal of some excess stone in this area to permit managed overland discharge across the path.

I believe the work completed is a close approximation as designed. Minor fine-tuning is warranted to rectify this situation.

I'll follow-up on this before your meeting and report back.

Thank you,

Roger J. Gibson Jr. PWS, CPESC, Soil Scientist



370 Porter Pond Road
Moosup, CT 06354
(860) 836-1081
roger@gibson-environmental.com

From: wetlands@thompsonct.org <wetlands@thompsonct.org>

Sent: Tuesday, October 27, 2020 12:39 PM

To: Gibson Environmental Services <roger@gibson-environmental.com>

Subject: Position on Josey Remediation Work at 637 E. Thompson Rd Cease & Restore Order VIOL20003

Hi Roger,

Attached are some photos I took on October 7, 2020 of Mr. Josey's property at 637 East Thompson Road in Thompson that was the subject of a remediation plan you developed. Could you look at these photos and advise me if this is what your plan intended? The Thompson Inland Wetlands Commission meets on November 10th. If you could let me know what you think of his remediation work by that time it would be most helpful. Thanks for your help. - Marla Butts, Thompson Wetlands Agent

Marla Butts
Thompson Wetlands Agent
860-923-1852, Ext. 1
wetlands@thompsonct.org

Agenda Item G.b. Violations & Pending Enforcement Actions

VIOL20013, Adrienne Martin and Joseph Fagan, 208 Linehouse Rd, Assessor's map 36, block 70, lot 4, clearcutting of trees and earth moving work in 100-foot upland review area, Notice of Violation issued 5/14/2020 7/14/2020 granted extension to 10/1/2020 for completion of work.

Agenda Item G.c. Violations & Pending Enforcement Actions

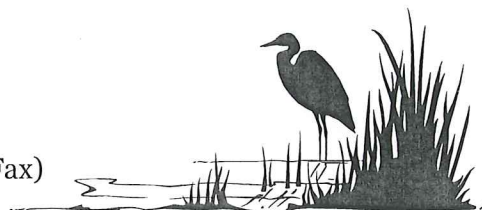
VIOL20033, Jennifer Burlingame & Robert Lemieux, Jr., 480 Quaddick Town Farm Rd., Assessor's map 158, block 20, lot 8K, filling / earthmoving within 100-foot upland review area and possibly within delineated wetlands. Notice of Violation issued 8/6/2020 to cease any further earthmoving work and by August 20, 2020 provide an explanation for the earth moving work and the reason why an approval was not sought prior to the initiation of work within 100 feet of delineated wetlands.

Agenda Item G.d. Violations & Pending Enforcement Actions

VIOL20042, Marc Baer, 1227 Thompson Rd., assessor's map 116, block 24, lot 10, revetment construction exceeds scope of work authorized by permit IWA20022, NOV issued 10/29/2020.



Town of Thompson
Inland Wetlands Commission
815 Riverside Drive
North Grosvenordale, CT 06255
860-923-1852 (Office) 860-923-9897 (Fax)



NOTICE OF VIOLATION

CERTIFIED MAIL

October 29, 2020

Marc S. Baer
344 Nevers Rd
South Windsor, CT 06074

RE: **Violation VIOL20042**
Noncompliance with & Exceeding Scope of Work Authorized by Permit IWA20022
1227 Thompson Road, Thompson
Assessor's Map 116, Block 24, Lot 10

Dear Mr. Baer,

On October 28, 2020 I conducted an inspection of your property at 1227 Thompson Road, which property is the subject of Inland Wetlands and Watercourses Permit IWA20022. I found the northern terminus of the revetment under construction extending beyond that shown in the approved drawings fill placed in the 100-foot upland review area beyond that shown in the approved drawings. Additionally, portions of the revetment already constructed exceeded the slope of 2:1 maximum as shown in the approved drawings. It was not clear at the time of the inspection if the toe of the revetment had been placed beyond the edge of water identified in the approved drawings as elevation 153.5 ±. Finally, it was reported by your contractor, Patrick Wall, that stone stairs are now proposed to be constructed in the revetment and no stone stairway is shown in the approved drawings. Construction of the revetment has exceeded the scope of work authorized by Permit IWA20022 and exists in violation of section 6 of the Inland Wetlands and Watercourses Regulation of the Town of Thompson.

To avoid further enforcement action please submit to the Wetland Office by November 6, 2020 (1) a drawing of the existing revetment with cross sections every 20 feet signed and sealed by a land surveyor licensed to practice in Connecticut at a scale equal to that of the drawing approved by Permit IWA20022 and (2) a written explanation signed you providing information as to the reason(s) for any discrepancies between the approved drawings and the drawing of the existing revetment.

Failure to comply with this notice may result in the initiation of permit suspension / revocation proceedings and/or the issuance of a Cease and Desist Order, which order would be filed in the permanent land records in the Town of Thompson, and which would encumber your deed until the violation is resolved.

Sincerely

Marla Butts
Wetlands Agent

File: Notice of Violation VIOL20042 Baer 1227 Thompson Rd.doc

cc via email: Thompson Zoning Enforcement Officer
Thompson Building Office
Northeast District Department of Health
Jamie Fellows, DOT District 2
Daniel Blanchette, J & D Civil Engineering LLC
Patrick Wall, Wall Excavation & Home Improvement LLC









TEST PIT RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: DECEMBER 16, 2019

PIT NO. 1
0 - 8" TOPSOIL
8 - 40" RBYB FINE SANDY LOAM
46 - 102" RED COARSE SAND AND GRAVEL W/ COBBLES

MOTTLING: N/A
RESTRICTIVE: N/A
LEDGE: N/A
WATER: N/A
ROOTS: 46"

PIT NO. 2
0 - 4" TOPSOIL
4 - 75" MEDIUM COARSE SAND AND GRAVEL W/ COBBLES

MOTTLING: 60"
RESTRICTIVE: N/A
LEDGE: N/A
WATER: 75"
ROOTS: 41"

SOUTH END OF TEST PIT DISTURBED,
CONTAINS GRAVELLY FILL

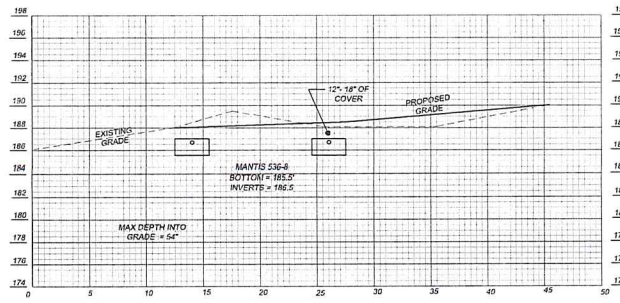
PERC. TEST RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: DECEMBER 16, 2019

HOLE A - NEAR TP 1

TIME	READING
11:22	6.50"
11:27	9.85"
11:32	9.75"
11:37	10.25"
11:42	11.25"
11:47	13.25"

DEPTH: 48"
RATE: 10 MIN/W



LEACHING FIELD CROSS SECTION A-A
1" = 5'

SURVEY NOTES:

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300a THROUGH 20-300a-10 AND THE STANDARDS FOR SURVEYS AND MAPS OF THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1986.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN NOVEMBER 2019, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPLETED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN: "PROPERTY SURVEY PLAN DEPICTING LAND OF ANNE P. BAER AND PAUL A. BAER, 1217 AND 1227 THOMPSON ROAD, THOMPSON CT." PREPARED BY CME ASSOCIATES, INC. DATE SEPT 27, 2005. SCALE 1" = 40'. ON FILE AS MAP 1516.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE LICENSE
THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2020 J&D CIVIL ENGINEERS, LLC

SEPTIC SYSTEM DESIGN CRITERIA

NUMBER OF BEDROOMS: 5
SEPTIC TANK: 1500 GALLON
PERC RATE: 10 MIN/INCH
MOTTLING: N/A, LEDGE: N/A, WATER: N/A, SLOPE: 3%
LEACHING AREA REQUIRED: 660 SQUARE FEET
MSS REQUIRED: N/A
LEACHING AREA PROVIDED: 60' OF MANTIS 536-B + 600 SQUARE FEET
LSS PROVIDED: = 30'

SPECIFICATIONS

SEPTIC SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS".

THE BUILDING, SEPTIC SYSTEM, AND WELL SHALL BE ACCURATELY STAKED IN THE FIELD BY A LICENSED SURVEYOR OR ENGINEER PRIOR TO CONSTRUCTION.

ALL PRECAST STRUCTURES SUCH AS SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE SET LEVEL ON SIX INCHES OF COMPACTED GRAVEL BASE.

SEPTIC TANK: TWO-COMPARTMENT TANK WITH OUTFLET. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOXES: 8 HOLE D-80X WITH BAFFLE HOUSE, EFFLUENT AND TIGHT PIPE FOR DRAIN OUTLETS - 4" PVC SCHEDULE 40, ASTM D 1785 OR ASTM D 2685 WITH RUBBER COMPRESSION GASKET ASTM D 3139 OR SOLVENT WELD COUPLINGS.

DISTRIBUTION SYSTEM: ELIJEN MANTIS 536-B POLYOLIF PIPE SEAL AS MANUFACTURED BY SUPERIOR SEPTIC TANKS (OR EQUAL) SHALL BE USED TO SEAL SEPTIC TANK AND D-80X INLETS AND OUTLETS. BOTTOM OF TRENCHES TO BE LEVEL.

TOPSOIL SHALL BE STRIPPED IN AREA OF LEACH FIELD AND THE SUBSOIL SCARIFIED PRIOR TO PLACEMENT OF SELECT SEPTIC FILL.

ALL SELECT FILL SHALL BE CLEAN BANK RUN GRAVEL, MEETING THE FOLLOWING REQUIREMENTS OF THE CT DEPT. OF PUBLIC UTILITIES:

MAX. PERCENT GRAVEL (PLUS NO. 4 SIEVE MATERIAL) - 45%
GRADATION ON FILL LESS GRAVEL:

SIEVE	DRY PERCENT PASSING	WET PERCENT PASSING
NO. 4	100	100
NO. 10	70-100	70-100
NO. 40	10-75	10-50*
NO. 100	0-5	0-20
NO. 200	0-2.5	0-5

*PERCENT PASSING THE #10 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

SELECT FILL MUST PERC AT A RATE EQUAL TO OR FASTER THAN THE UNDERLYING SOIL.

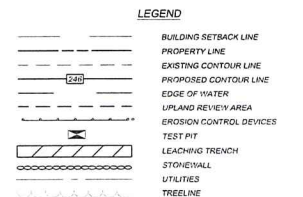
SELECT FILL MATERIAL SHALL EXTEND A MINIMUM OF 10' BEYOND THE LOWEST TRENCH BEFORE TAPERING OFF.

THIS DESIGN IS BASED ON TEST PIT INFORMATION RECORDED BY NODM. J & D HAS MADE NO INDEPENDENT INVESTIGATION OF SOIL CONDITIONS. THE CONTRACTOR IS ADVISED TO PERFORM SUFFICIENT SITE INVESTIGATION TO DETERMINE CONSTRUCTION OF THE DESIGN PRIOR TO BIDDING OR COMMENCING WORK.

EROSION AND SEDIMENT CONTROL NOTES:

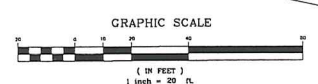
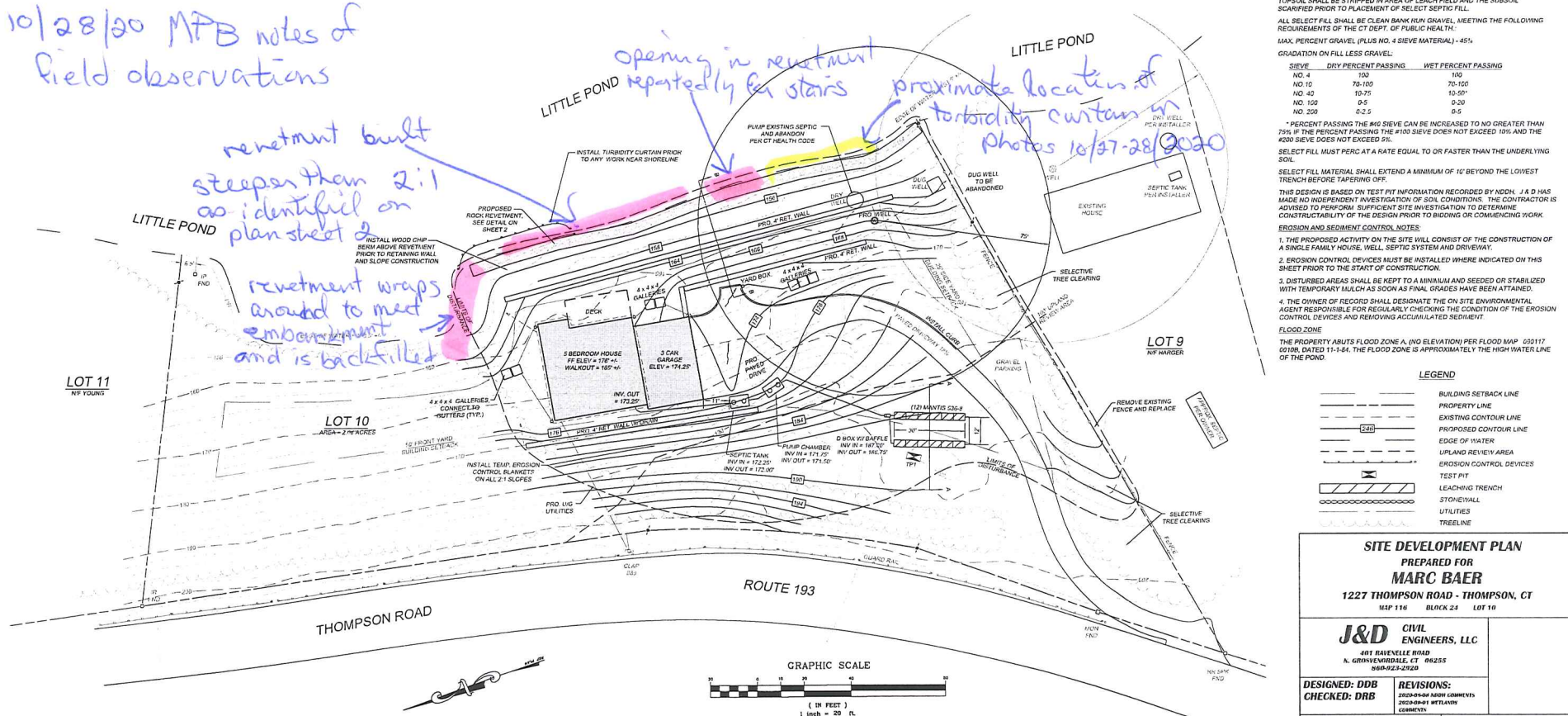
1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A SINGLE FAMILY HOUSE, WELL, SEPTIC SYSTEM AND DRIVEWAY.
2. EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
3. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.
4. THE OWNER OF RECORD SHALL DESIGNATE THE ON SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR REGULARLY CHECKING THE CONDITION OF THE EROSION CONTROL DEVICES AND REMOVING ACCUMULATED SEDIMENT.

FLOOD ZONE
THE PROPERTY ABUTS FLOOD ZONE A (NO ELEVATION) PER FLOOD MAP 020117 00108, DATED 11-1-84. THE FLOOD ZONE IS APPROXIMATELY THE HIGH WATER LINE OF THE POND.



10/28/20 MPB notes of field observations
retentment built steeper than 2:1 as identified on plan sheet 2
retentment wraps around to meet embankment and is backfilled

opening in retentment reportedly for stairs
approximate location of turbidity curtain in photos 10/27-28/2020



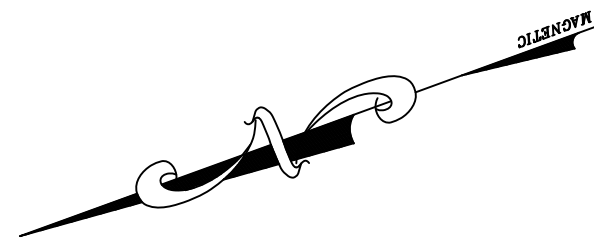
SITE DEVELOPMENT PLAN
PREPARED FOR
MARC BAER
1227 THOMPSON ROAD - THOMPSON, CT
MAP 116 BLOCK 24 LOT 10

J&D CIVIL ENGINEERS, LLC
401 BAYNELE ROAD
N. GRANVILLE, CT 06255
860-923-2920

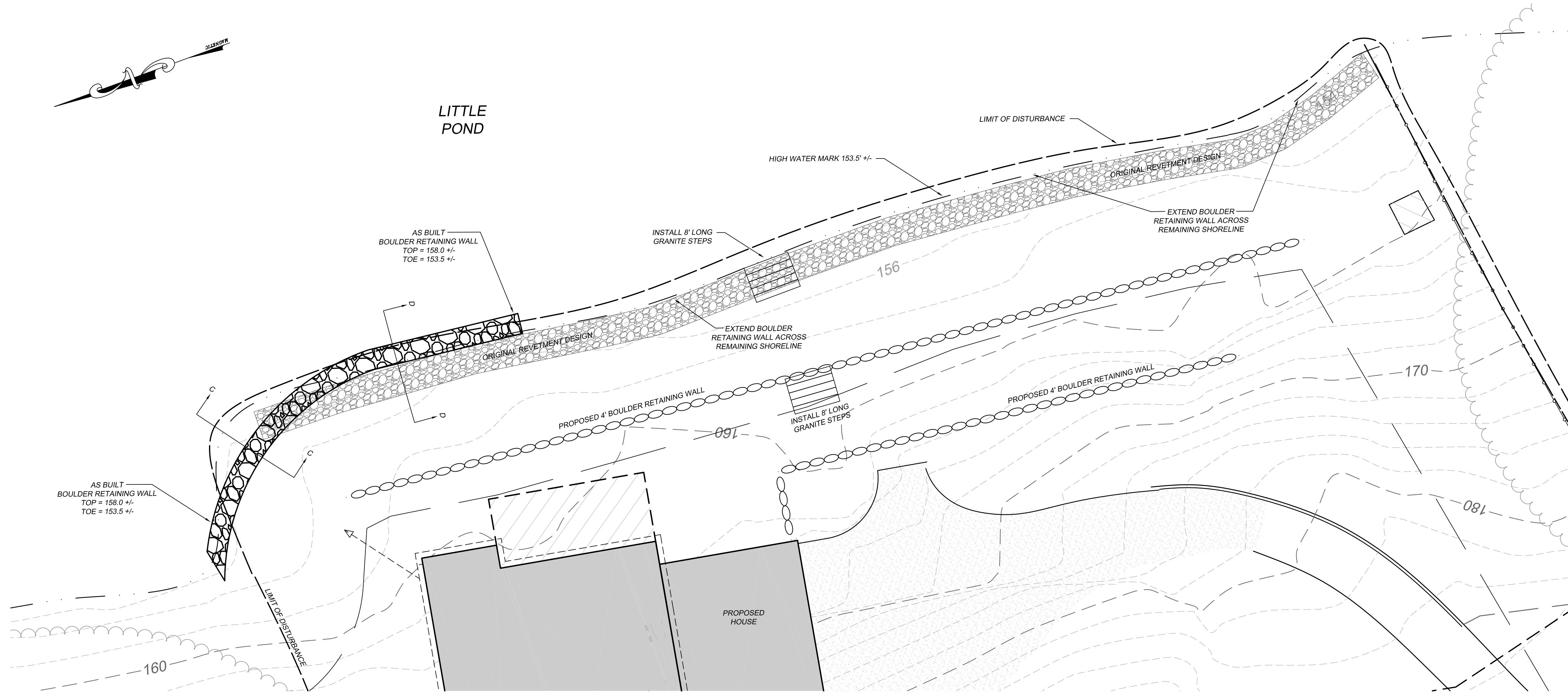
DESIGNED: DDB
CHECKED: DRB
REVISIONS:
2020-09-04 ADD COMMENTS
2020-09-04 RETAIN COMMENTS

JOB NO: 19216
SCALE: 1" = 20'
DATE: JUNE 15, 2020
SHEET: 1 OF 2

NODM FILE # 20000144



LITTLE POND



SURVEY NOTES:

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

SURVEY TYPE: GENERAL LOCATION (RETAINING WALL AS BUILT) PERFORMED ON OCTOBER 22, 2020.

ACCURACY: CLASS B, CLASS T2

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

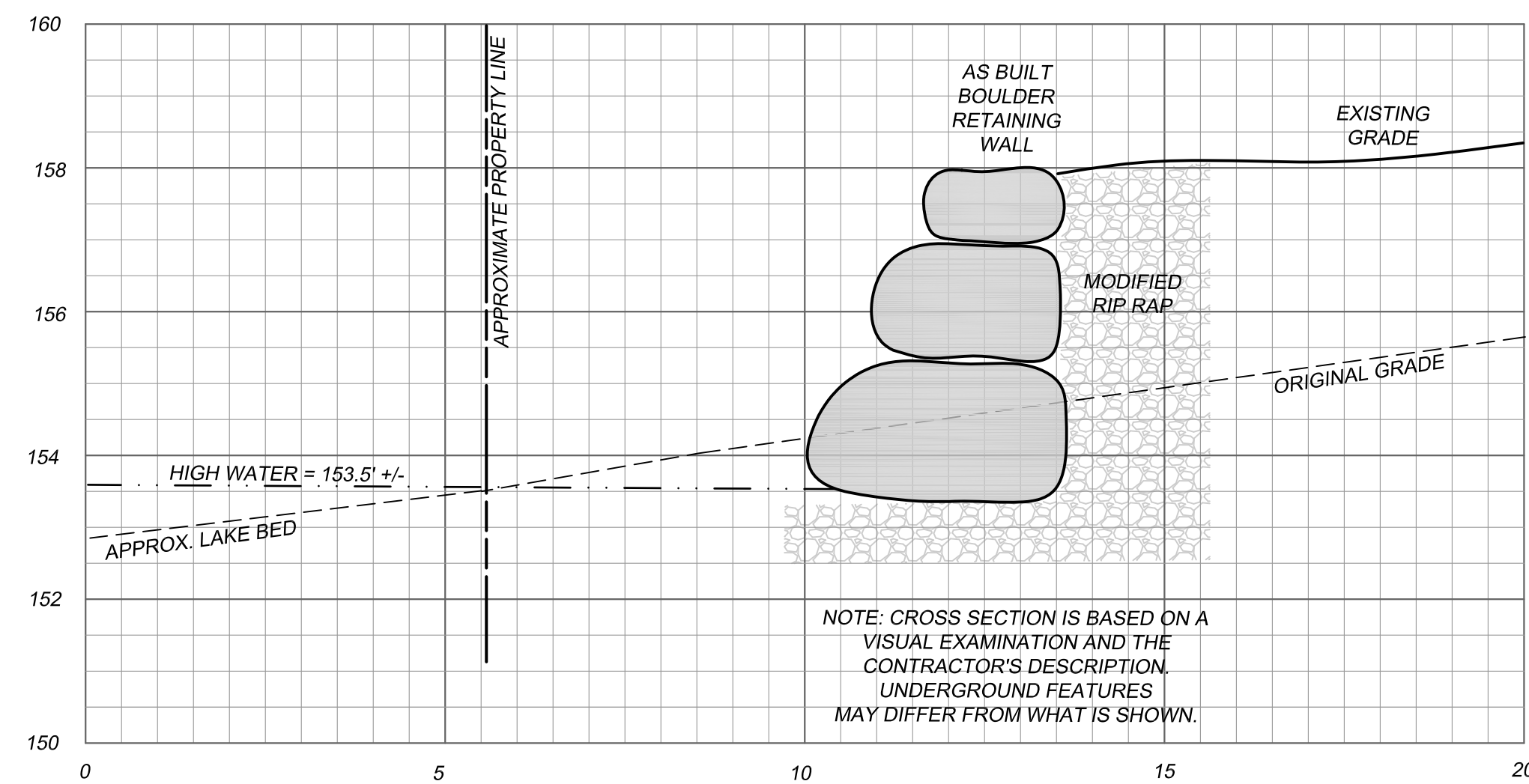
2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN: "PROPERTY SURVEY PLAN DEPICTING LAND OF ANNE P. BAER AND PAUL A. BAER, 1217 AND 1227 THOMPSON ROAD, THOMPSON CT." PREPARED BY CME ASSOCIATES, INC. DATE SEPT 27, 2005. SCALE 1" = 40'. ON FILE AS MAP 1516.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

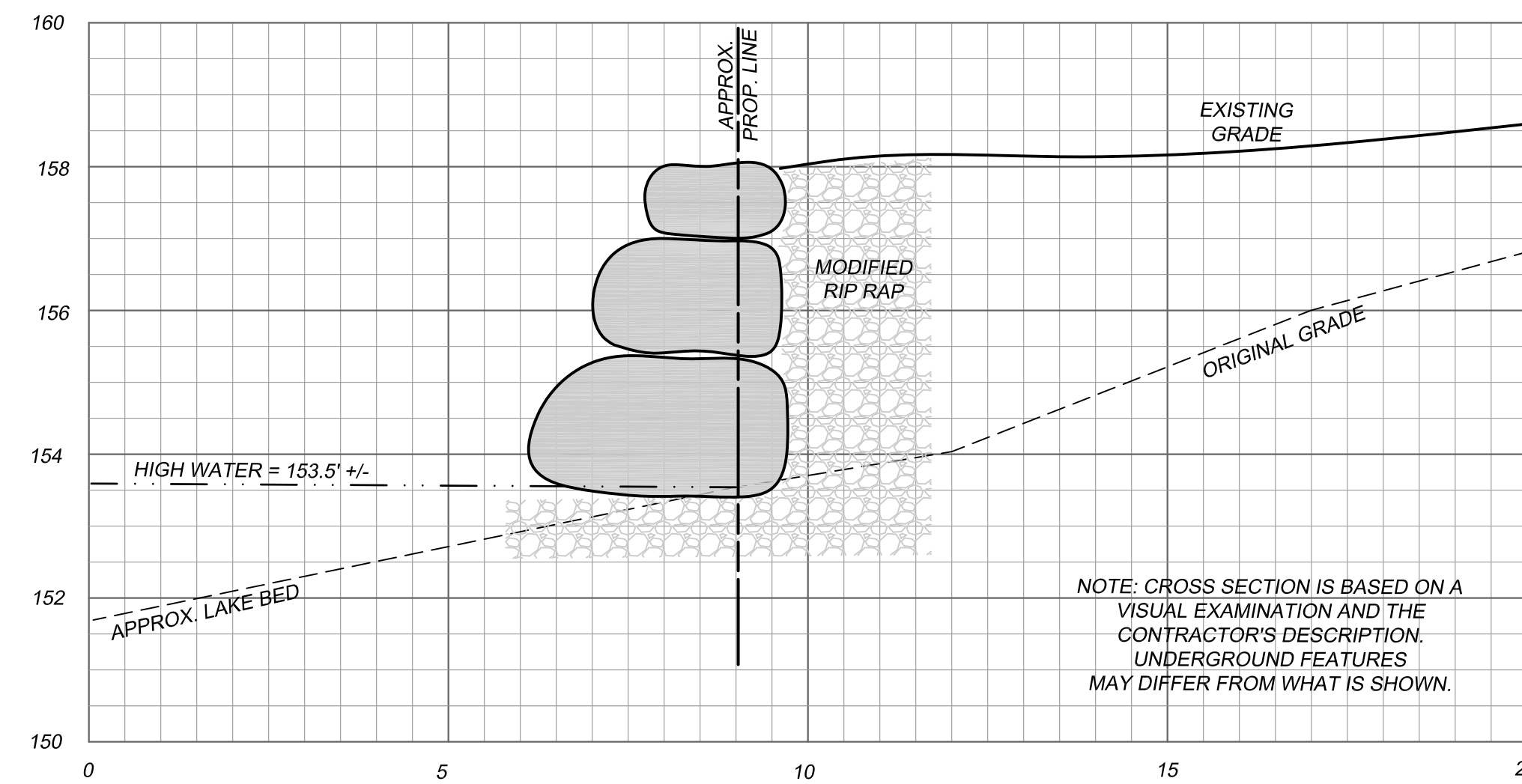
DENNIS R. BLANCHETTE DATE LICENSE

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE © 2020 J&D CIVIL ENGINEERS, LLC



BOULDER WALL CROSS SECTION C-C

1" = 2'



BOULDER WALL CROSS SECTION D-D

1" = 2'

LEGEND

- BUILDING SETBACK LINE
- PROPERTY LINE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EDGE OF WATER
- UPLAND REVIEW AREA
- EROSION CONTROL DEVICES
- TEST PIT
- LEACHING TRENCH
- STONEWALL
- UTILITIES
- TREELINE

RETAINING WALL AS BUILT SURVEY
PREPARED FOR
MARC BAER
 1227 THOMPSON ROAD - THOMPSON, CT
 MAP 116 BLOCK 24 LOT 10


J&D CIVIL ENGINEERS, LLC
 401 RAVENELLE ROAD
 N. GROSVENORDALE, CT 06255
 860-923-2920

DESIGNED: **DBB**
 CHECKED: **DRB**

REVISIONS:

JOB NO: **19216**
 SCALE: **1" = 10'**

DATE: **NOV 6, 2020**
 SHEET: **1 OF 1**

[Reply](#)[Forward](#)[Delete](#)**Re: Notice of Violation VIOL20042, Response****Date:** 11/06/2020 (02:07:43 PM CST)**From:** MARC**To:** wetlands@thompsonct.org**Cc:** wallexcavation@gmail.com daniel@jdcivilengineers.com smcgann@nddh.org dhall@thompsonct.org
zeo@thompsonct.org Text (9 KB)

Good Afternoon Marla,

In your letter of 8-21-20 to Daniel Blanchette you stated "Mr. Wall described the construction of the revetment". Mr. Wall, the contractor, has installed the wall/revetment exactly as he explained to you on this date. There was no mention of any questions or concerns as to its construction from your letter.

The revetment was placed, per the contractor, at the waters edge and not beyond it.

In emails to Daniel Blanchette of 8-17-20 and 8-18-20 a set of stairs was mentioned. Apparently this was overlooked when the plans were drawn up and inadvertently left out. This was a mistake but something that was definitely mentioned prior to the construction of the revetment. Pat Wall also mentioned the stairs and says he spoke with Daniel about them.

Before its construction pictures were sent to the engineer to give him some idea of what the contractor had in mind. Although these could not be an exact representation. The actual appearance of the revetment had to change a little due to the size and shape of the huge rocks being used in its construction. You and the committee saw the size and shape of many of these rocks in pictures presented at some of the wetlands meetings and on your site inspections. These stones had to be fit together much like a puzzle to insure both stability and functionality of the revetment.

The contractor, Pat Wall, has added extra stones in the base of the revetment from the original 6 inches to 2 feet to improve both the strength and function of the wall in order to protect the pond. Daniel Blanchette visited the site and stated to me that the revetment looked good and would function very well. When you visited the site on Oct 28th 2020, with Mr. Obert, you stated to Pat Wall, per Mr. Wall, that the revetment looked good but was not exactly as the plan stated. Sometimes things have to be altered a bit in order to make them better for everyone concerned.

You did have a conversation with Daniel Blanchette after this meeting and appeared to have no problems with him resubmitting new corrections to the existing plans submitted. To show the changes that were necessary to construct a functional and beautiful revetment. We have tried to be very cooperative in this project and would appreciate your assistance.

Marla i would appreciate it if you are going to have a site inspection, which i welcome you to do, you inform me of the date and time so i can be there to hear exactly what is said and participate. This will keep us all on the same page and keep my costs down. The turbidity curtain cost me an extra \$671.00. And this is just one small cost that i have had to endure because of the nonsense my neighbors are causing. You will note i did go to the first site inspection and was very easy to get along with even if my neighbors could not make up their minds as to what they actually wanted done. I have tried my best to be open minded and cooperate in an attempt to be a good citizen of Thompson.

Being disabled this process has effected me in three areas: physically, mentally and financially. I am only asking to be treated fairly and not subjected to excessive demands and requirements unless you are going to subject everyone to the same demands.

As a side note the Hargers have been attempting to dump debris on both my properties at 1227 and 1232 Thompson road. They were caught and spoken to by the contractor, Pat Wall. He asked them to cease this illegal activity. Do you or any of the good town people have any suggestions how to deal with this? I am enclosing a picture showing a small pile of leaves the Hargers pushed onto my property which is a straight line following the fence line about two feet into the black area of the driveway.

I am also sending you the pictures which were sent to the engineer from the contractor, Pat Wall, attempting to give some idea of the appearance of the revetment.

Thanks for your cooperation.

Sincerely yours,

Dr. Marc S. Baer

-----Original Message-----

From: wetlands@thompsonct.org

To: Marc Baer <marcmason1054@cs.com>; Patrick Wall <wallexcavation@gmail.com>; Daniel Blanchette <daniel@jdcivilengineers.com>; Sherry McGann <smcgann@nddh.org>; Donna Hall, Building Office <dhall@thompsonct.org>; Cynthia Dunne, ZEO <zeo@thompsonct.org>

Cc: Amy St.Onge, 1st Selectman <firstselectman@thompsonct.org>; H. Charles Obert, IWC Vice Chair <cobert@thompsonct.org>; George O'Neil, IWC Chair <goneil3@thompsonct.org>; Fran Morano, IWC Commissioner <fmorano44@gmail.com>; Diane Chapin, IWC Treasurer <dchapin@thompsonct.org>; Barbara Roach, IWC Alternate <broach@thompsonct.org>; Ashley Pomes <apomes@thompsonct.org>

Sent: Thu, Oct 29, 2020 2:35 pm

Subject: Notice of Violation VIOL20042 Baer 1227 Thompson Rd, Noncompliance with & Exceeding Scope of Work Authorized by Permit IWA20022

Please see attached. Marla Butts

--

Marla Butts
Thompson Wetlands Agent
860.023.1852 Ext 1

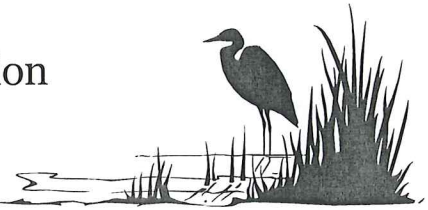
Agenda Item H Other Business

- a) Schedule of Meetings for Calendar Year 2021



Town of Thompson Inland Wetlands Commission

815 Riverside Drive
North Grosvenordale, CT 06255
860-923-1852 Office
email: wetlands@thompsonct.org



Memo

To: Renee Waldron, Thompson Town Clerk
From: Marla Butts, Thompson Wetlands Agent
Date: November 15, 2020
Re: Thompson Inland Wetlands Commission Listing of Meetings for 2021

In accordance with §1-225(b) of the Connecticut General Statutes and the Thompson Inland Wetlands Commission By-Laws below is a listing of the Thompson Inland Wetlands Commission's schedule of the regular meetings for 2021.

The following meetings are planned for 7 p.m. and based upon Covid 19 pandemic requirements via ZOOM or in the Merrill Seney Community Room at the Town Hall.

Tuesday, January 12
Tuesday, February 9
Tuesday, March 9
Tuesday, April 13
Tuesday, May 11
Tuesday, June 8
Tuesday, July 13
Tuesday, August 10
Tuesday, September 14
Tuesday, October 12
Tuesday, November 9
Tuesday, December 14

Site walks are scheduled meetings not required by town ordinance, Inland Wetlands Commission regulation or by-law. While site walks are frequently cancelled, they are planned for 9 a.m. at the specified location (s) in the posted meeting agenda.

Saturday, January 9
Saturday, February 6
Saturday, March 6
Saturday, April 10
Saturday, May 8
Saturday, June 5
Saturday, July 10
Saturday, August 7
Saturday, September 11
Saturday, October 9
Saturday, November 6
Saturday, December 11



2021 US CALENDAR WITH HOLIDAYS



January 2021	February 2021	March 2021	April 2021	May 2021	June 2021
Su We Th Fr Sa 1 2 5 6 7 8 9 12 13 14 15 16 19 20 21 22 23 26 27 28 29 30	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
Su We Th Fr Sa 1 2 3 6 7 8 9 10 13 14 15 16 17 20 21 22 23 24 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

USA Holidays and Observances					
Jan 01	New Year's Day	Jan 18	M L King Day	Feb 14	Valentine's Day
Feb 15	Presidents' Day	Apr 02	Good Friday	Apr 04	Easter Sunday
May 09	Mother's Day	May 31	Memorial Day	Jun 04	National Donut Day
Jun 20	Father's Day	Jul 04	Independence Day	Jul 05	Independence Day Holiday
Sep 06	Labor Day	Oct 11	Columbus Day	Oct 31	Halloween
Nov 11	Veterans Day	Nov 25	Thanksgiving Day	Dec 25	Christmas

Feb 12 Lincoln's Birthday calendar2021i.com

Recognized Holidays
Meeting dates

Agenda Item H Other Business

- b) DOT Notification on submittal of DEEP permit application for rehabilitation of bridge # 06794 on I-395 over unnamed brook.



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

TO: Thompson Planning & Zoning Commission
815 Riverside Drive
PO Box 899
North Grosvenordale, CT 06255

FROM: Robert E. Bell **Robert Bell** Digitally signed by Robert Bell
Date: 2020.10.22 08:29:49
-04'00'
Transportation Planning Director
Bureau of Policy and Planning

SUBJECT: Notification of Submittal of Application to the State of Connecticut, Department of Energy and Environmental Protection's (DEEP) for a General Permit for Water Resource Construction Activities

PROJECT: State Project No. 0141-0154
Rehabilitation of Bridge No. 06793, I-395 over Little Mountain Brook
Town of Thompson

Enclosed is a copy of our Request for Authorization under the State of Connecticut Department of Energy and Environmental Protection's General Permit for Water Resources Construction Activities. If your agency wishes to comment on the enclosed application, comments must be submitted to the State Department of Energy and Environmental Protection.

Comments should be directed to:

Land and Water Resources Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

If we can provide additional information, please contact Mr. Jason M. Coite at 860-594-3448.

Michael J. Salter/mjs



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

TO: Thompson Inland Wetlands Commission
815 Riverside Drive
PO Box 899
North Grosvenordale, CT 06255

FROM: Robert E. Bell **Robert Bell** Digitally signed by Robert Bell
Date: 2020.10.22 08:30:19
-04'00'
Transportation Planning Director
Bureau of Policy and Planning

SUBJECT: Notification of Submittal of Application to the State of Connecticut, Department of Energy and Environmental Protection's (DEEP) for a General Permit for Water Resource Construction Activities

PROJECT: State Project No. 0141-0154
Rehabilitation of Bridge No. 06793, I-395 over Little Mountain Brook
Town of Thompson

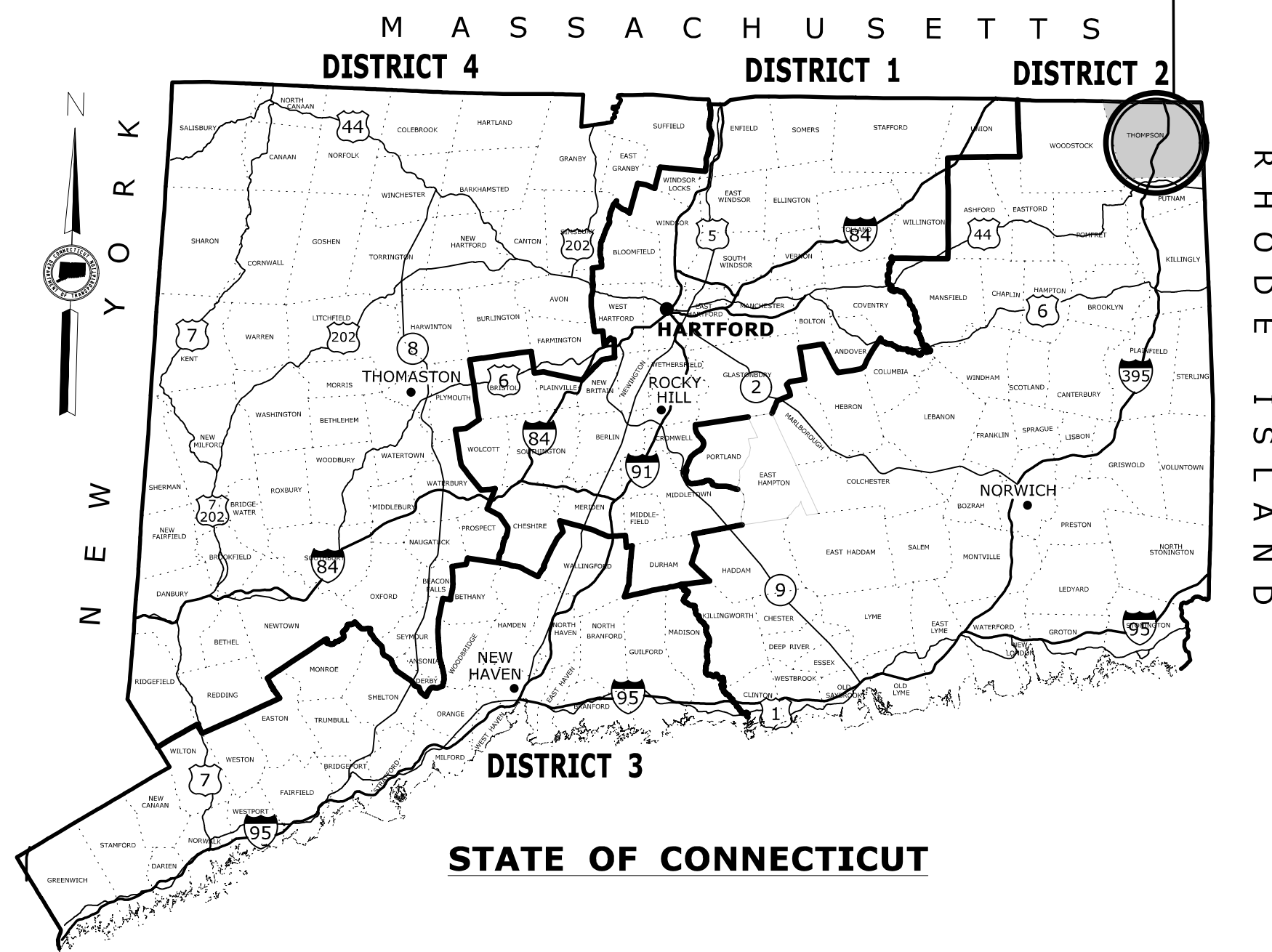
Enclosed is a copy of our Request for Authorization under the State of Connecticut Department of Energy and Environmental Protection's General Permit for Water Resources Construction Activities. If your agency wishes to comment on the enclosed application, comments must be submitted to the State Department of Energy and Environmental Protection.

Comments should be directed to:

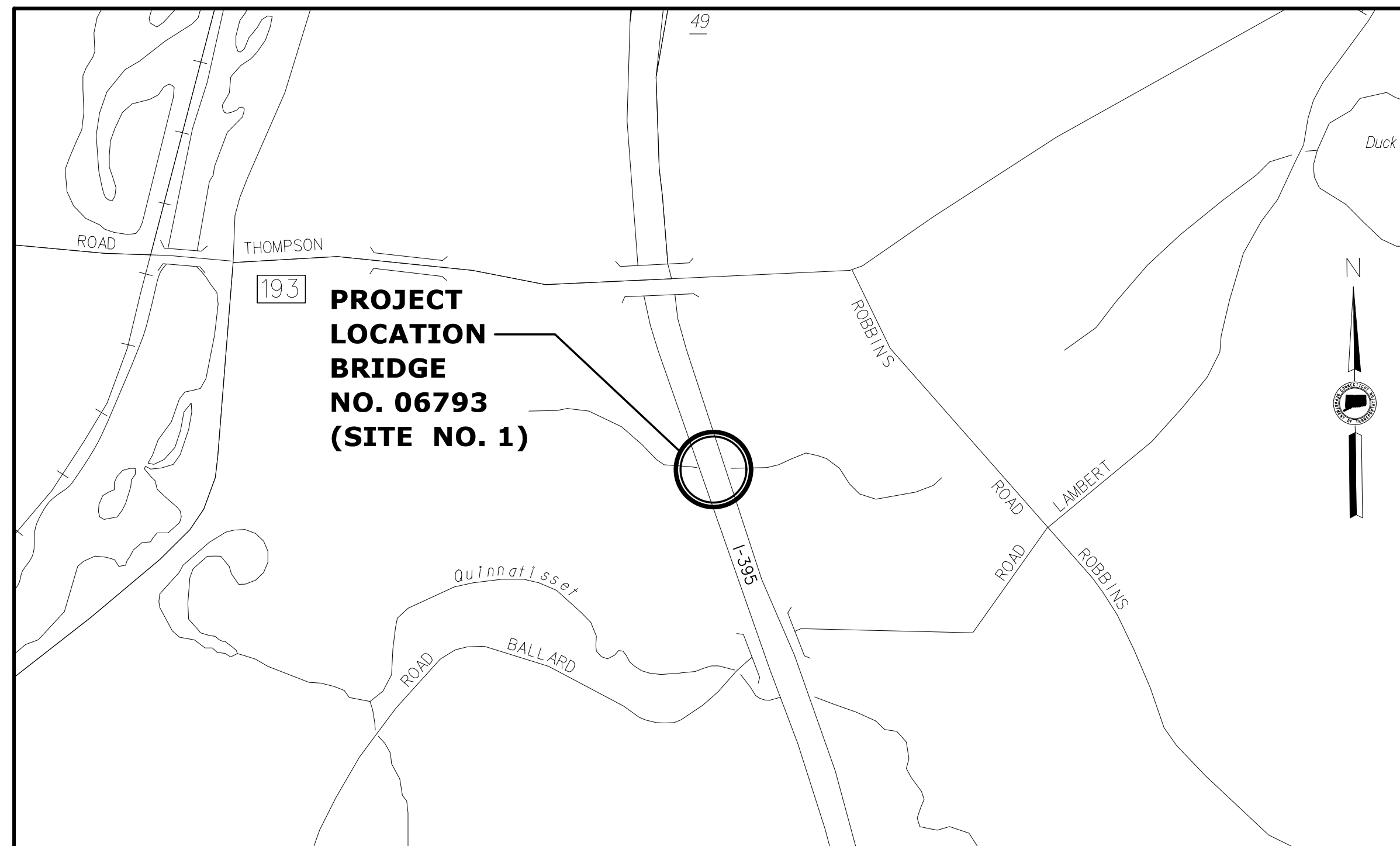
Land and Water Resources Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

If we can provide additional information, please contact Mr. Jason M. Coite at 860-594-2157.

**PROJECT
LOCATION
BRIDGE
NO. 06793
(SITE NO. 1)**



ENVIRONMENTAL PERMIT PLANS STATE PROJECT NO. 141-154 REHABILITATION OF BRIDGE NO. 06793 I-395 OVER LITTLE MOUNTAIN BROOK (SITE NO. 1) IN THE TOWN OF THOMPSON



LOCATION PLAN
SCALE: 1" = 500'

GENERAL NOTES:

1. THESE PLANS ARE INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP AND USACE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983 VERTICAL DATUM BASED ON N.A.V.D. OF 1988.
5. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGE, AND INCIDENTAL CONSTRUCTION, FORM 817, SECTION 1.10 AND WILL ALSO FOLLOW "REQUIRED" BEST MANAGEMENT PRACTICES (BMPs) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 2002 EROSION & SEDIMENTATION CONTROL GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.

LIST OF DRAWINGS	
DRAWING NO.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02	GENERAL PLAN
PMT-03	WETLAND/WATERCOURSE IMPACT PLAN
PMT-04	LONGITUDINAL SECTION AND ELEVATIONS
PMT-05	WATER HANDLING PLAN
PMT-06	MISCELLANEOUS DETAILS
PMT-07	RESTORATION PLANTING PLAN

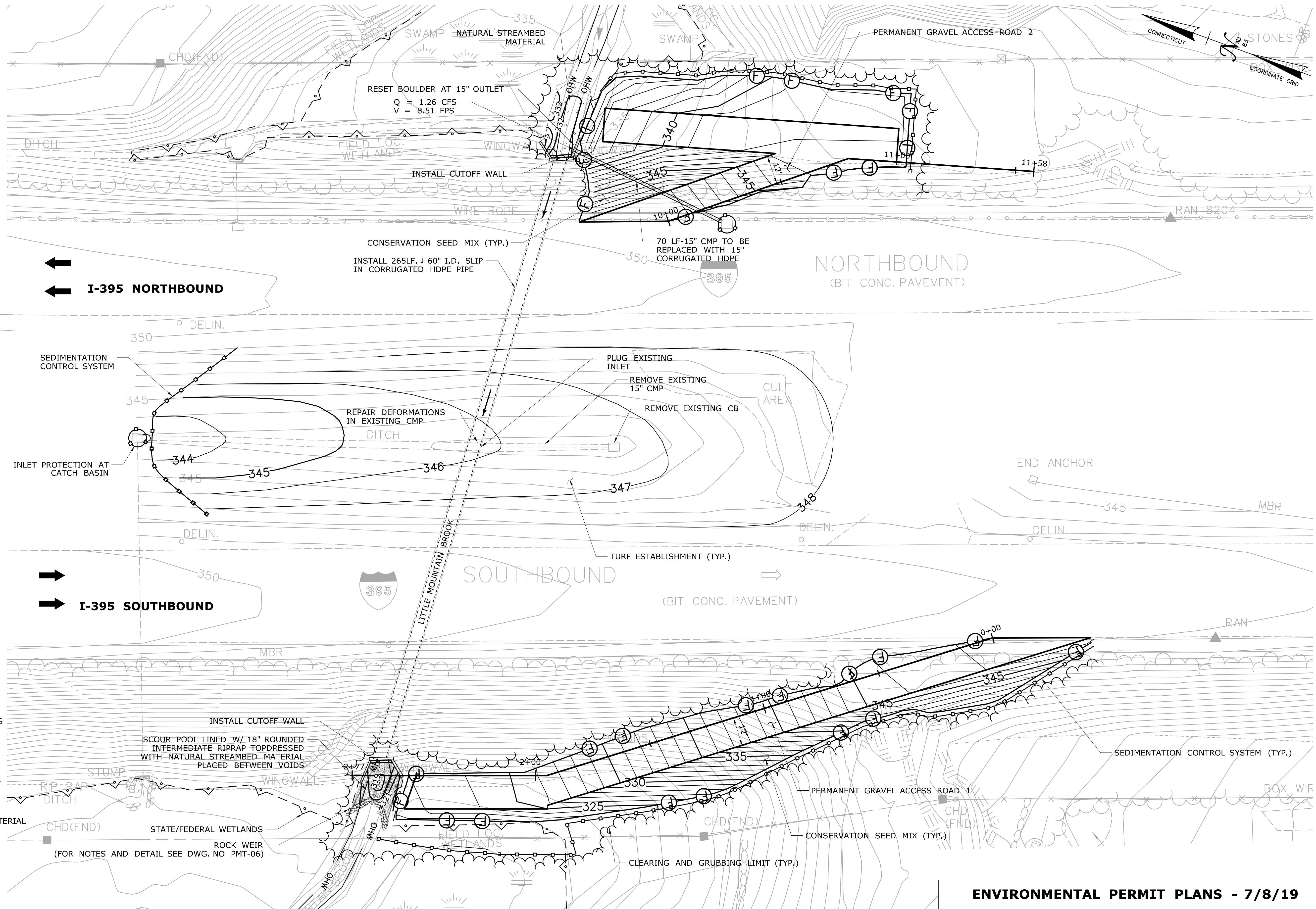
DESIGNED BY:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033



Jagdeesh Gopal
2019.07.19
14:35:30-04'00'

ENVIRONMENTAL PERMIT PLANS - 7/8/19

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: SKS CHECKED BY: JG SCALE AS NOTED	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06033	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06793 I-395 OVER LITTLE MOUNTAIN BROOK	TOWN: THOMPSON	PROJECT NO. 141-154 DRAWING NO. PMT-01 SHEET NO.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/19/2019	Filename: ...VHW_MSH_141_154_TSH.dgn	TITLE SHEET	



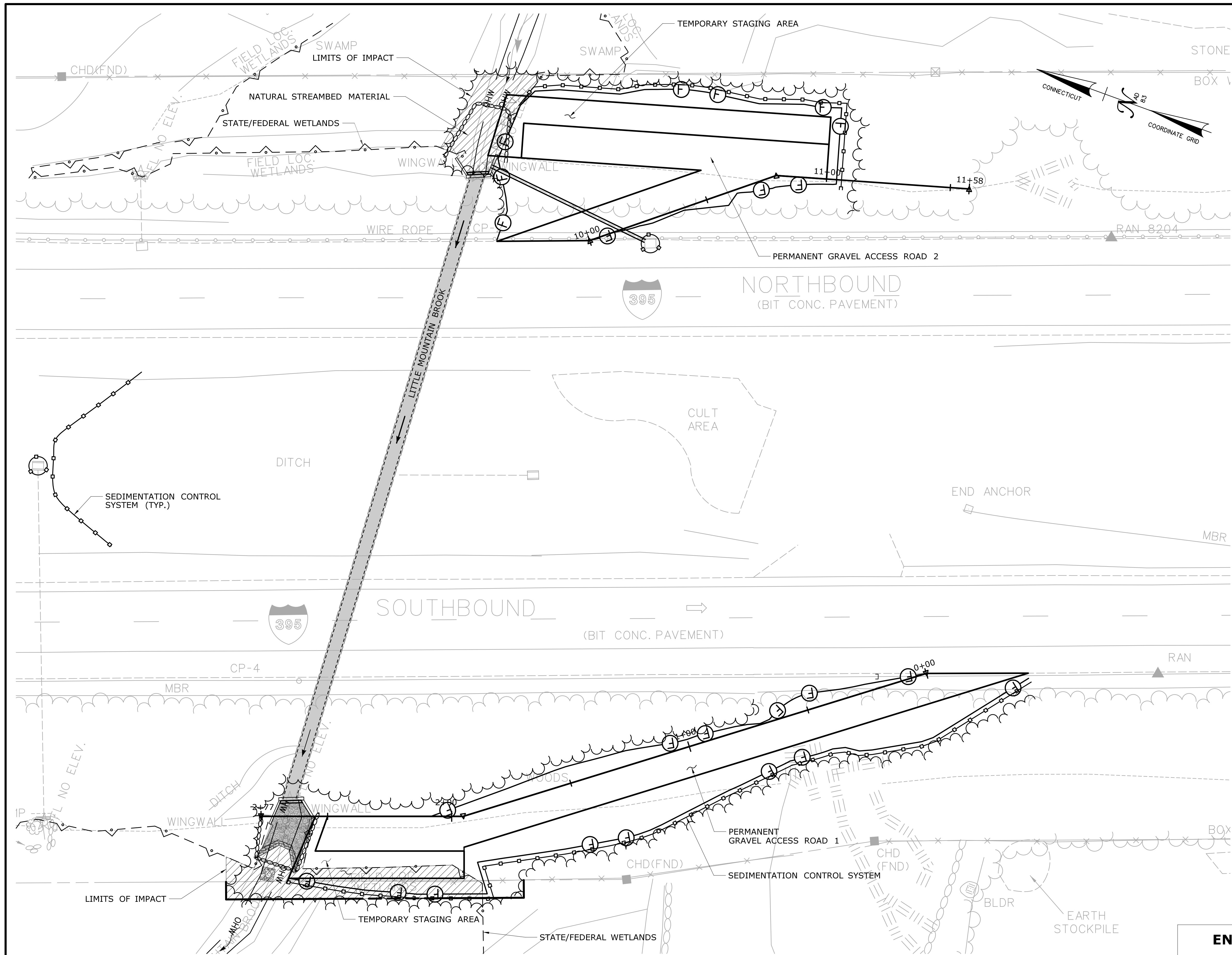
←
←
I-395 NORTHBOUND

→
→
I-395 SOUTHBOUND

- LEGEND:**
- (wavy line) — STATE/FEDERAL WETLANDS
 - (circle with dot) — PROPOSED CUT LINE
 - (circle with cross) — PROPOSED FILL LINE
 - (square with dot) — SEDIMENTATION CONTROL SYSTEM
 - (dashed line) — OHW — ORDINARY HIGH WATER
 - (stippled area) — NATURAL STREAMBED MATERIAL

ENVIRONMENTAL PERMIT PLANS - 7/8/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/19/2019	DESIGNER/DRAFTER: NB CHECKED BY: PB SCALE IN FEET 0 20 40 SCALE 1"=20'	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...VHW_MSH_141_154_PLN_PERMIT.dgn	SIGNATURE/BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06033	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06793 I-395 OVER LITTLE MOUNTAIN BROOK	TOWN: THOMPSON DRAWING TITLE: GENERAL PLAN	PROJECT NO. 141-154 DRAWING NO. PMT-02 SHEET NO.



NOTE:
 THE CONTRACTOR SHALL NOT WORK WITHIN THE LIMITS OF THE WETLANDS AND WATERCOURSE WITH THE EXCEPTION OF THOSE AREAS DELINEATED AS TEMPORARY OR PERMANENT IMPACTS TO THE WETLANDS AND WATERCOURSE ALL DISTURBED AREAS SHALL BE RESTORED.

WETLAND IMPACT TABLE				
	WETLAND SITE NO.	WETLAND IMPACTS	WATERWAY IMPACTS	TOTAL
PERMANENT IMPACTS	1	155 S.F. (0.004 A.C.)	1,751 S.F. (0.040 A.C.)	1,906 S.F. (0.044 A.C.)
TEMPORARY IMPACTS	1	1,845 S.F. (0.042 A.C.)	399 S.F. (0.009 A.C.)	2,244 S.F. (0.051 A.C.)
TOTAL IMPACTS		2,000 S.F. (0.046 A.C.)	2,150 S.F. (0.049 A.C.)	4,150 S.F. (0.095 A.C.)

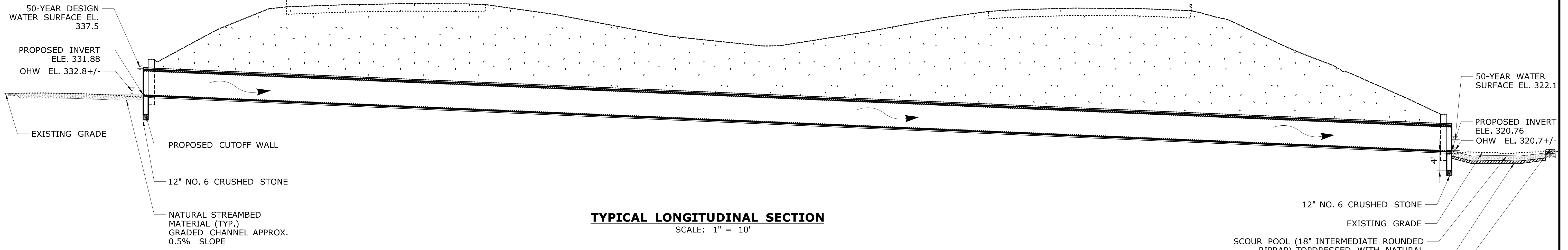
LEGEND:
 THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL AFFECT THE NOTED REGULATED AREAS.

- TEMPORARY IMPACT
- PERMANENT IMPACT
- STATE/FEDERAL WETLANDS
- SEDIMENTATION CONTROL SYSTEM
- OHW - ORDINARY HIGH WATER

ENVIRONMENTAL PERMIT PLANS - 7/8/19

THOMPSON	PROJECT NO. 141-154
DRAWING TITLE: WETLAND/WATERCOURSE IMPACT PLAN	DRAWING NO. PMT-03
	SHEET NO.

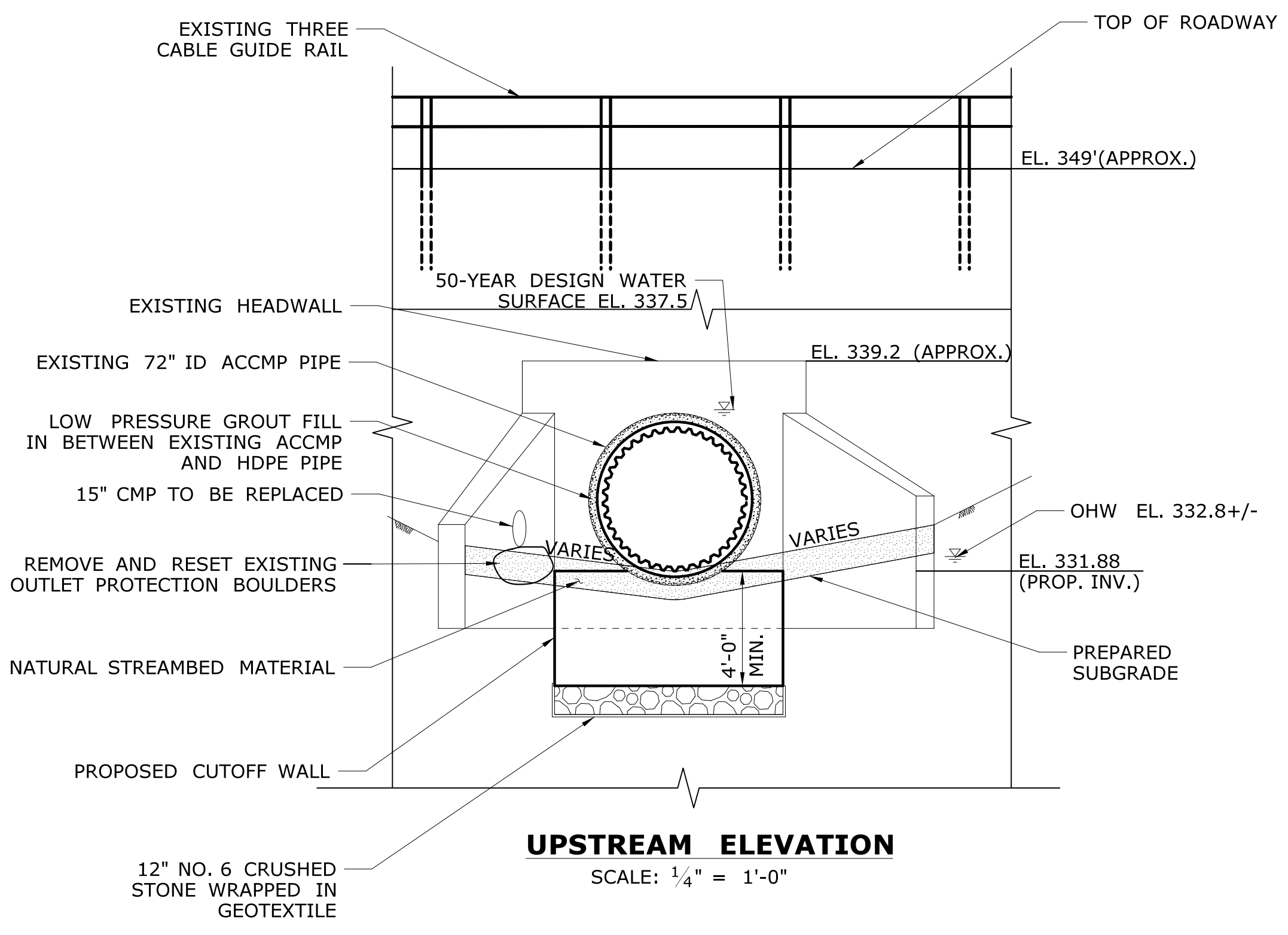
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: SKS CHECKED BY: PB SCALE IN FEET SCALE 1"=20'	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION <small>Filename: ...VHW_MSH_141_154_WET-IMP.dgn</small>	SIGNATURE/BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06033	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06793 I-395 OVER LITTLE MOUNTAIN BROOK
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/19/2019				



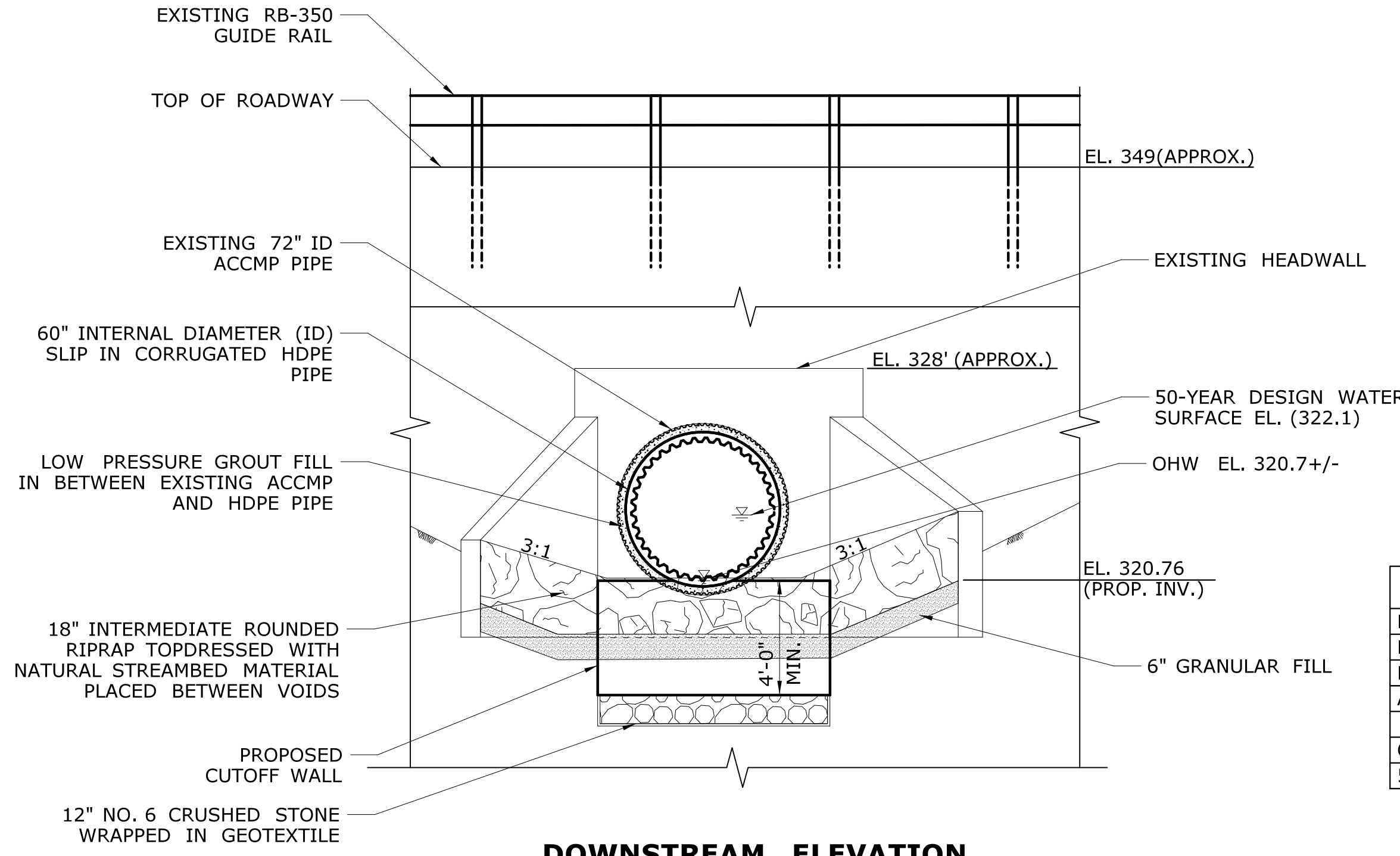
TYPICAL LONGITUDINAL SECTION
SCALE: 1" = 10'

NATURAL STREAMBED MATERIAL NOTES

1. NATURAL STREAMBED MATERIAL EXCAVATED DURING CONSTRUCTION SHALL BE STOCKPILED AND THEN REPLACED WITHIN THE STREAMBED LIMITS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH THE PERMIT DOCUMENTS.
2. THE STOCKPILE SHALL BE LOCATED OUTSIDE THE WETLAND LIMITS AND PROTECTED WITH SEDIMENTATION CONTROL SYSTEM.



UPSTREAM ELEVATION
SCALE: 1/4" = 1'-0"



DOWNSTREAM ELEVATION
SCALE: 1/4" = 1'-0"

OPENNESS RATIO (OR):

OR = OPEN AREA/CULVERT LENGTH
= 19.63/263
= 0.075 FT.

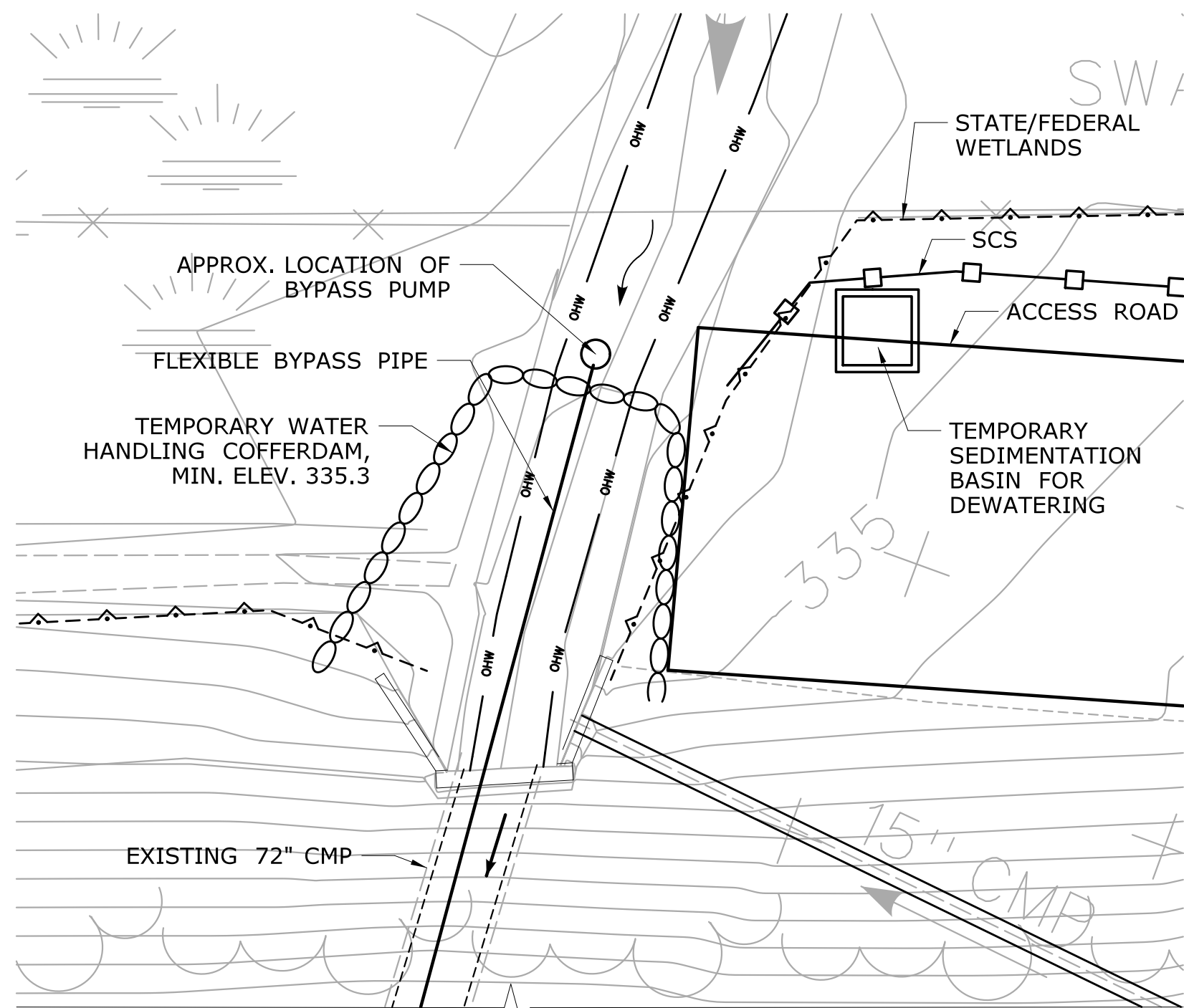
BANKFULL WIDTH (BFW):

BFW = 7 FT. EXISTING UPSTREAM (OHW)
1.2 X BFW = 8.4 FT
8.4 FT > 5 FT PROPOSED PIPE DIAMETER

HYDRAULIC DATA		
DRAINAGE AREA (SQ. MI.)	0.35	
DESIGN FREQUENCY (YR.)	50	
DESIGN DISCHARGE (CFS)	140	
AVERAGE DAILY FLOW DISCHARGE (CFS)	0.7	
	UPSTREAM	DOWNSTREAM
ORDINARY HIGH WATER SURFACE ELEV. (FT.)	332.8	320.7
50-YEAR DESIGN WATER SURFACE ELEV. (FT.)	337.5	322.1

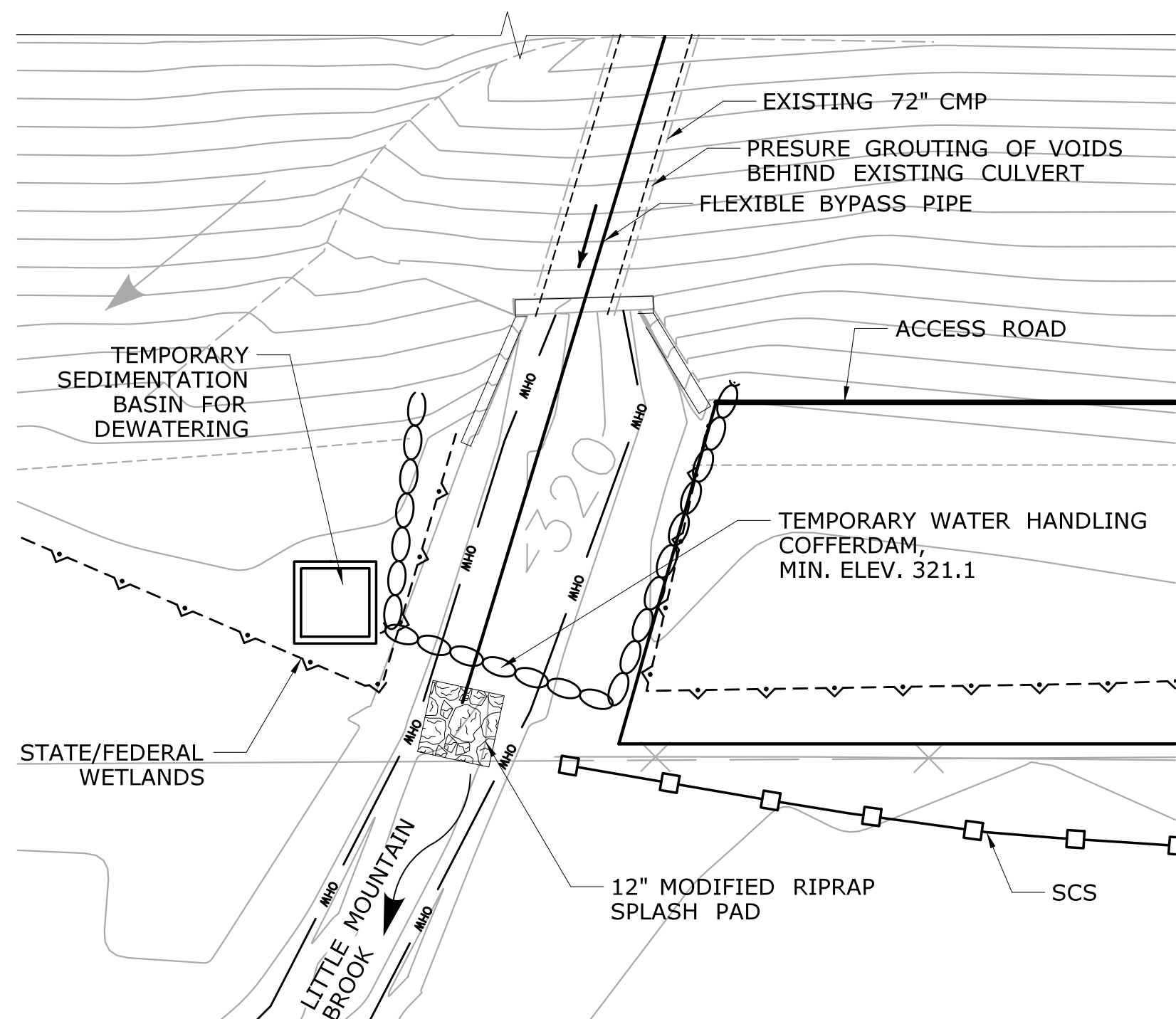
ENVIRONMENTAL PERMIT PLANS - 7/8/19

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	SCALE AS NOTED					



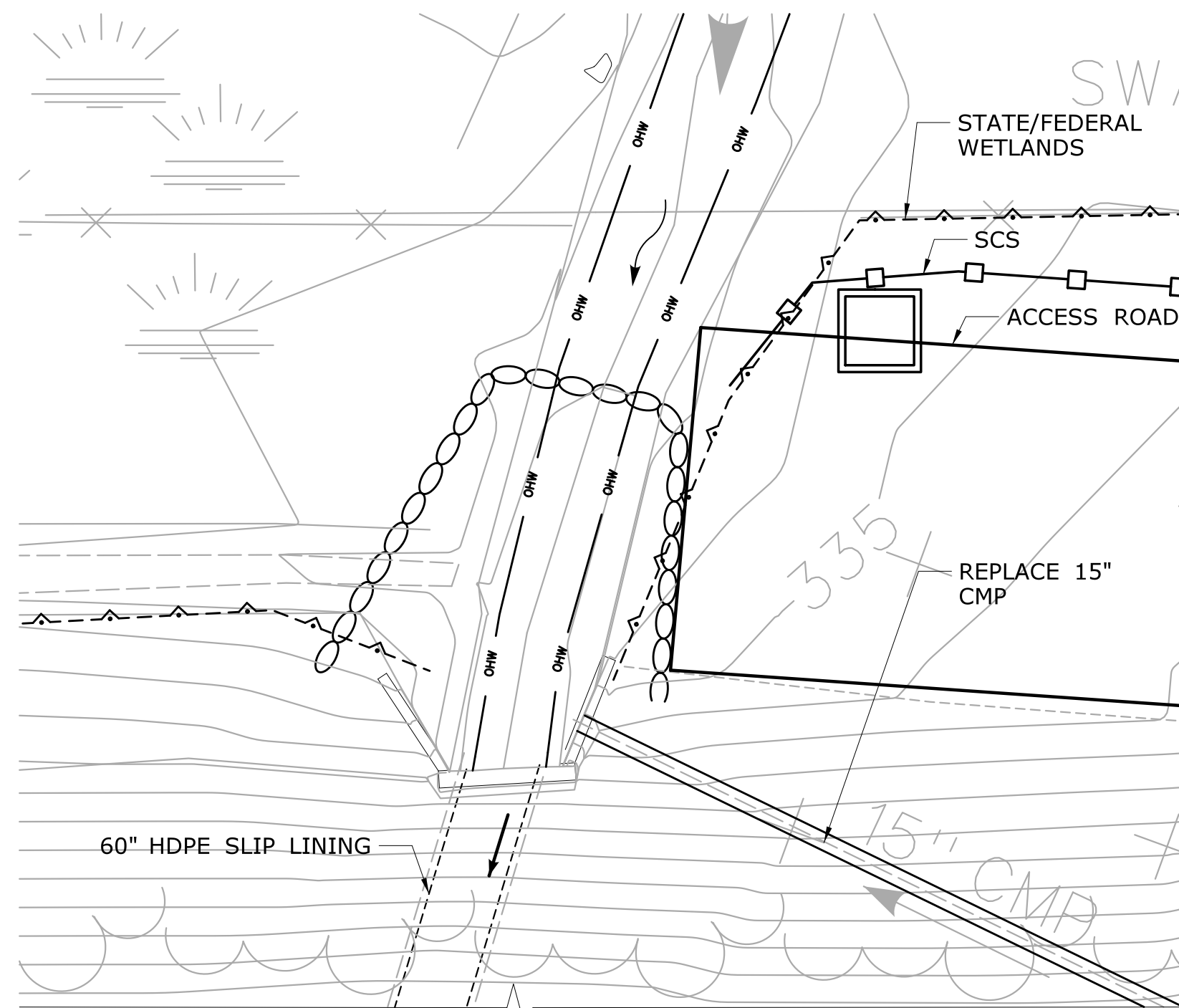
STAGE-1 SUGGESTED SEQUENCE OF CONSTRUCTION:

1. INSTALL EROSION AND SEDIMENTATION CONTROL SYSTEM.
2. PERFORM ALL TRAFFIC CONTROL WORK AND MEDIAN IMPROVEMENT WORK AS SHOWN ON TRAFFIC AND HIGHWAY DRAWINGS.
3. INSTALL UPSTREAM AND DOWNSTREAM ACCESS ROADS.
4. INSTALL TEMPORARY WATER HANDLING COFFERDAM.
5. INSTALL STREAM BYPASS PUMPING SYSTEM THROUGH CULVERT.
6. CLEAN EXISTING ACCMP PIPE. ALL WORK SHALL BE PERFORMED IN THE DRY.
7. PERFORM PRESSURE GROUTING AND REPAIRS OF EXISTING CMP.



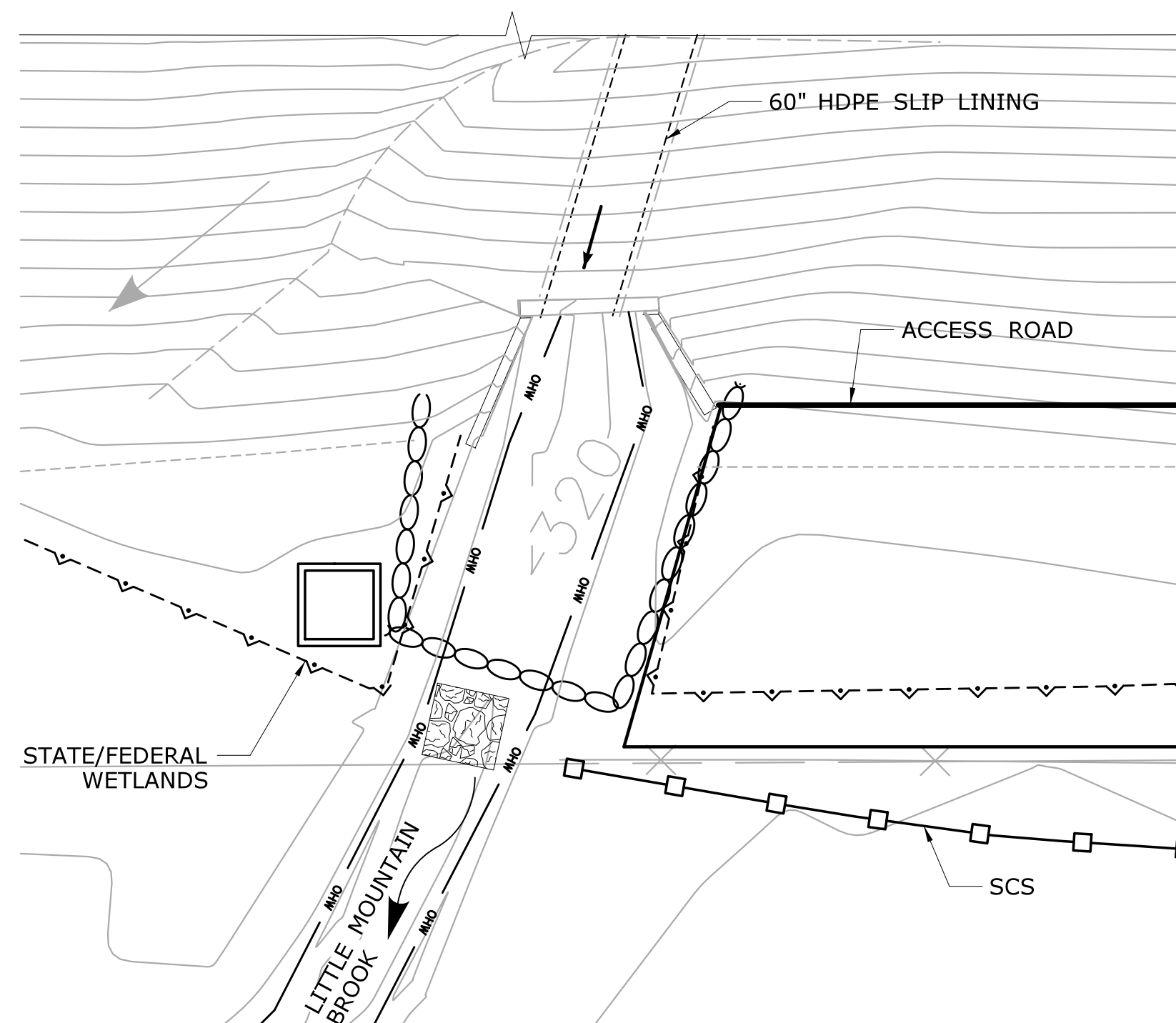
STAGE-1 WATER HANDLING PLAN

SCALE: 1" = 10'



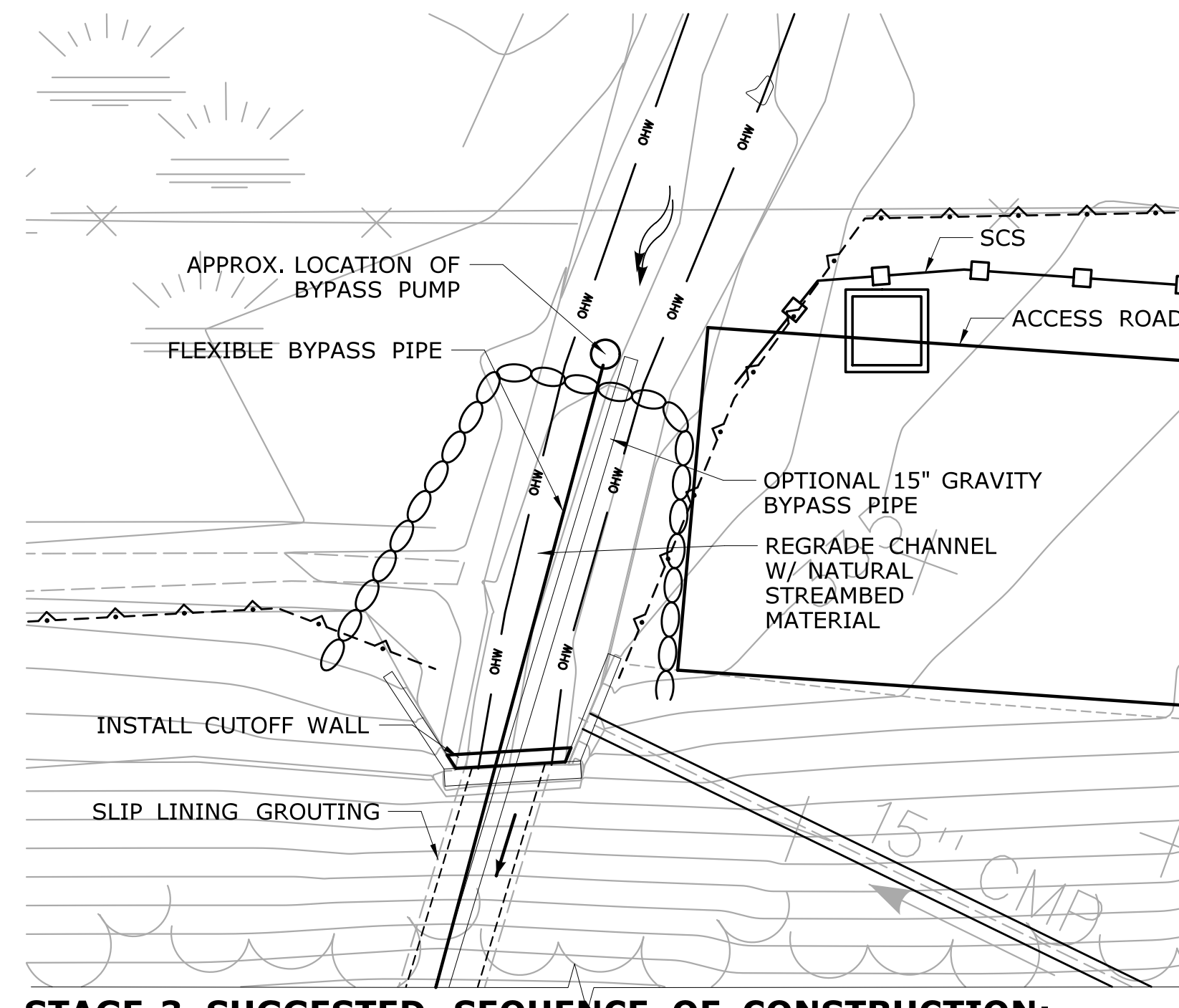
STAGE-2 SUGGESTED SEQUENCE OF CONSTRUCTION:

1. REMOVE BYPASS OPERATION DURING SLIP LINING. PERFORM SLIP LINING IN THE WET.
2. INSTALL SPACERS FOR PROPOSED HDPE PIPE.
3. INSTALL NEW 60" I.D. HDPE SLIP-IN PIPE TO COMPLETE STAGE-2 CONSTRUCTION.
4. REPLACE EXISTING 15" CMP DRAINAGE PIPE WITH NEW 15" HDPE PIPE.



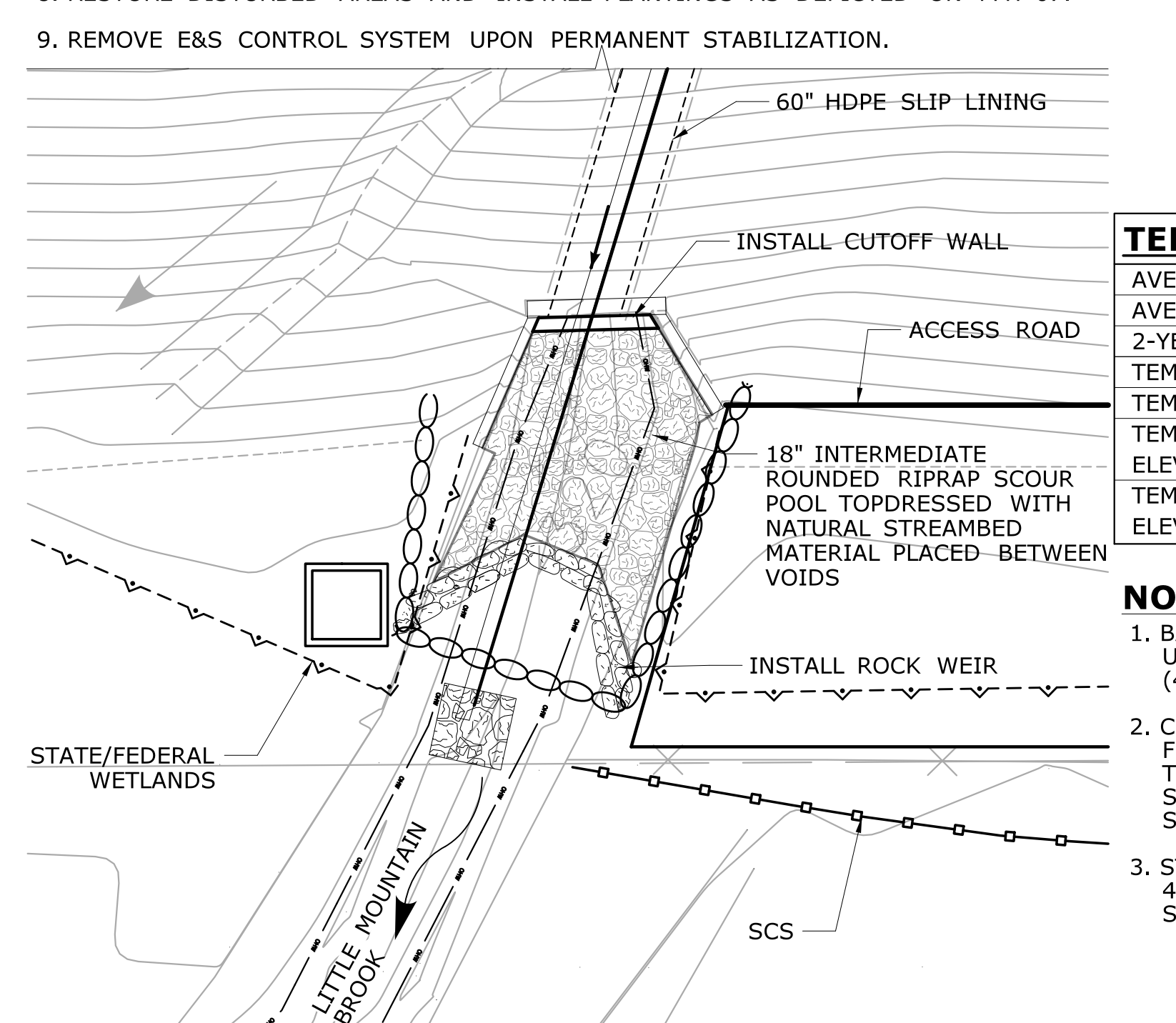
STAGE-2 WATER HANDLING PLAN

SCALE: 1" = 10'



STAGE-3 SUGGESTED SEQUENCE OF CONSTRUCTION:

1. REINSTALL BYPASS OPERATING DURING GROUTING OF ANNULAR SPACE PUMPING SYSTEM (SHOWN) OR 15" MIN. DIA. GRAVITY PIPE ACCEPTABLE.
2. PERFORM GROUTING OF ANNULAR SPACE IN LIFTS PER SPECIFICATIONS.
3. EXCAVATE AND INSTALL CUTOFF WALLS.
4. PREPARE SUBGRADE OF INLET AND OUTLET AREAS.
5. INSTALL NATURAL STREAMBED MATERIAL AT INLET AND 18" INTERMEDIATE ROUNDED RIPRAP SCOUR POOL AT OUTLET TOPDRESSED WITH NATURAL STREAMBED MATERIAL PLACED BETWEEN VOIDS.
6. REMOVE TEMPORARY WATER HANDLING COFFERDAMS AND INSTALL ROCK WEIR, AS DIRECTED IN THE FIELD BY DEEP FISHERIES OR OEP.
7. REMOVE BYPASS OPERATION AND OPEN NEW CULVERT TO STREAM FLOWS.
8. RESTORE DISTURBED AREAS AND INSTALL PLANTINGS AS DEPICTED ON PMT-07.
9. REMOVE E&S CONTROL SYSTEM UPON PERMANENT STABILIZATION.



STAGE-3 WATER HANDLING PLAN

SCALE: 1" = 10'

LEGEND:

- - - - - STATE/FEDERAL WETLANDS
- ○ ○ ○ ○ TEMPORARY WATER HANDLING COFFERDAMS
- ◻ — SEDIMENTATION CONTROL SYSTEM
- OHW - ORDINARY HIGH WATER
- ▨ RIPRAP
- ⌋ ROCK WEIR

WATER HANDLING NOTES:

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY BYPASS PIPE AS SHOWN DURING CONSTRUCTION OF NEW STRUCTURE.
2. EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAM WHEN TEMPORARY BYPASS PIPE IS NOT IN PLACE WITHOUT APPROVAL FROM THE ENGINEER.
3. A PUMP DISCHARGE BASIN SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND LIMITS. THE LOCATION OF THE DEWATERING BASIN IS APPROXIMATE. THE EXACT POSITION MAY VARY BASED ON THE PUMPING DESIGN SUBMISSION AND APPROVED BY THE ENGINEER.
4. THE CONTRACTOR MAY ALLOW PONDING TO OCCUR AT THE UPSTREAM SIDE FOR INTERVALS OF FOUR HOURS WITHOUT PUMPING DURING OPERATIONS, PER CTDEEP FISHERIES.
5. ANY STORM DRAINAGE DISCHARGING INTO A CONFINED WORK AREA FROM EXISTING OR PROPOSED STORM DRAINAGE PIPES SHALL BE DIVERTED OR PUMPED OUTSIDE THE CONFINED AREA. PUMPS/PIPES SHALL BE SIZED BY THE CONTRACTOR TO HANDLE THE EXPECTED FLOWS AND BE DISCHARGED TO A STABLE LOCATION. NO ADDITIONAL REGULATORY IMPCATS WILL BE ALLOWED BEYOND AREAS SHOWN. ALL DISTURBED AREAS SHALL BE RESTORED.

TEMPORARY HYDRAULIC DATA

AVERAGE DAILY FLOW (CFS)	0.7
AVERAGE SPRING FLOW (CFS)	1.3
2-YEAR DESIGN DISCHARGE (CFS)	15
TEMPORARY DESIGN DISCHARGE (CFS)	5.2
TEMPORARY DESIGN FREQUENCY	4 X AVG. SPRING
TEMPORARY WATER SURFACE ELEVATION UPSTREAM (FT.)	334.3
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM (FT.)	320.3

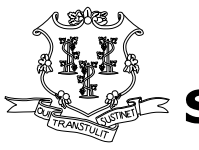
NOTES:

1. BASED ON 15" GRAVITY PIPE OR PUMP OPERATION USING TEMPORARY DESIGN DISCHARGE (4 X AVERAGE SPRING FLOW).
2. CONTRACTOR MAY IMPOUND WATER UPSTREAM FOR UP TO 4 HOURS OR UP TO ELEVATION 337.0 FT. THERE WILL BE NO ADDITIONAL PAYMENT FOR SETTING COFFERDAM HIGHER THAN ELEVATION SHOWN ON PLANS.
3. STORAGE TIME WILL BE REDUCED TO LESS THAN 4 HOURS WHEN FLOWS EXCEED THE AVERAGE SPRING FLOW.


ENVIRONMENTAL PERMIT PLANS - 7/8/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/19/2019

DESIGNER/DRAFTER: SKS
CHECKED BY: JG
SCALE AS NOTED


STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File name: ... \SB-MSH-Br06793-141-154_WH_PLAN.dgn

SIGNATURE/
 BLOCK:
 

GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:

**REHABILITATION OF BRIDGE
NO. 06793 I-395 OVER
LITTLE MOUNTAIN BROOK**

TOWN:

THOMPSON

PROJECT NO.

141-154

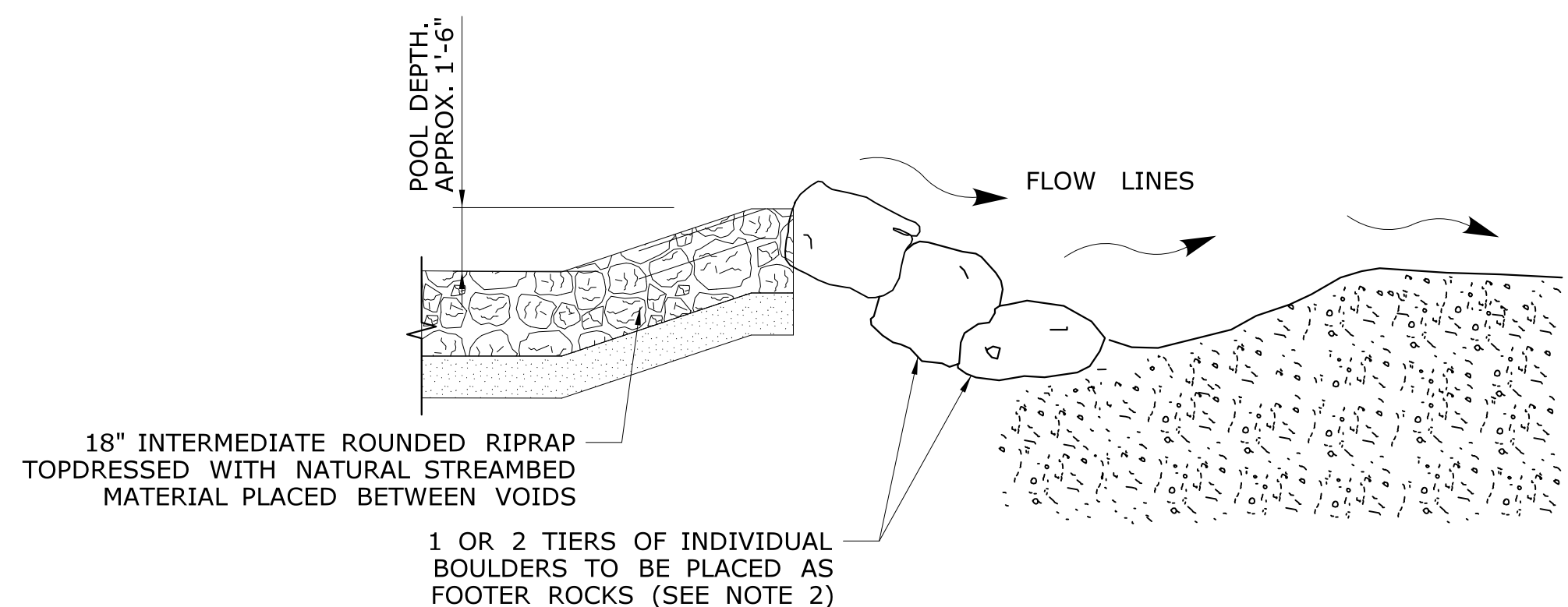
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PMT-05

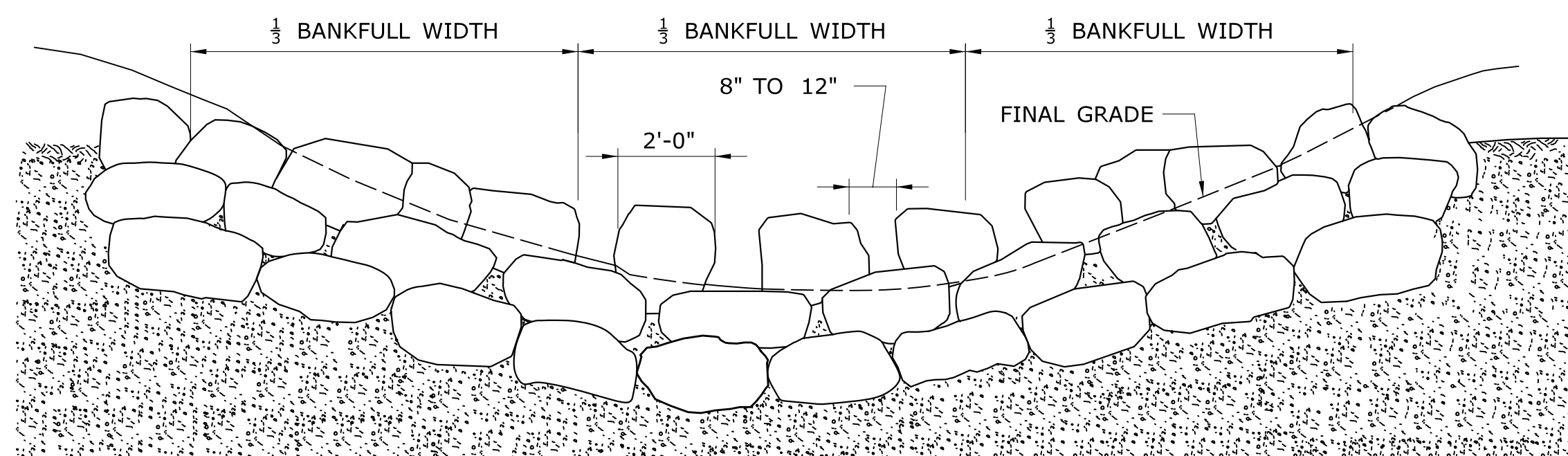
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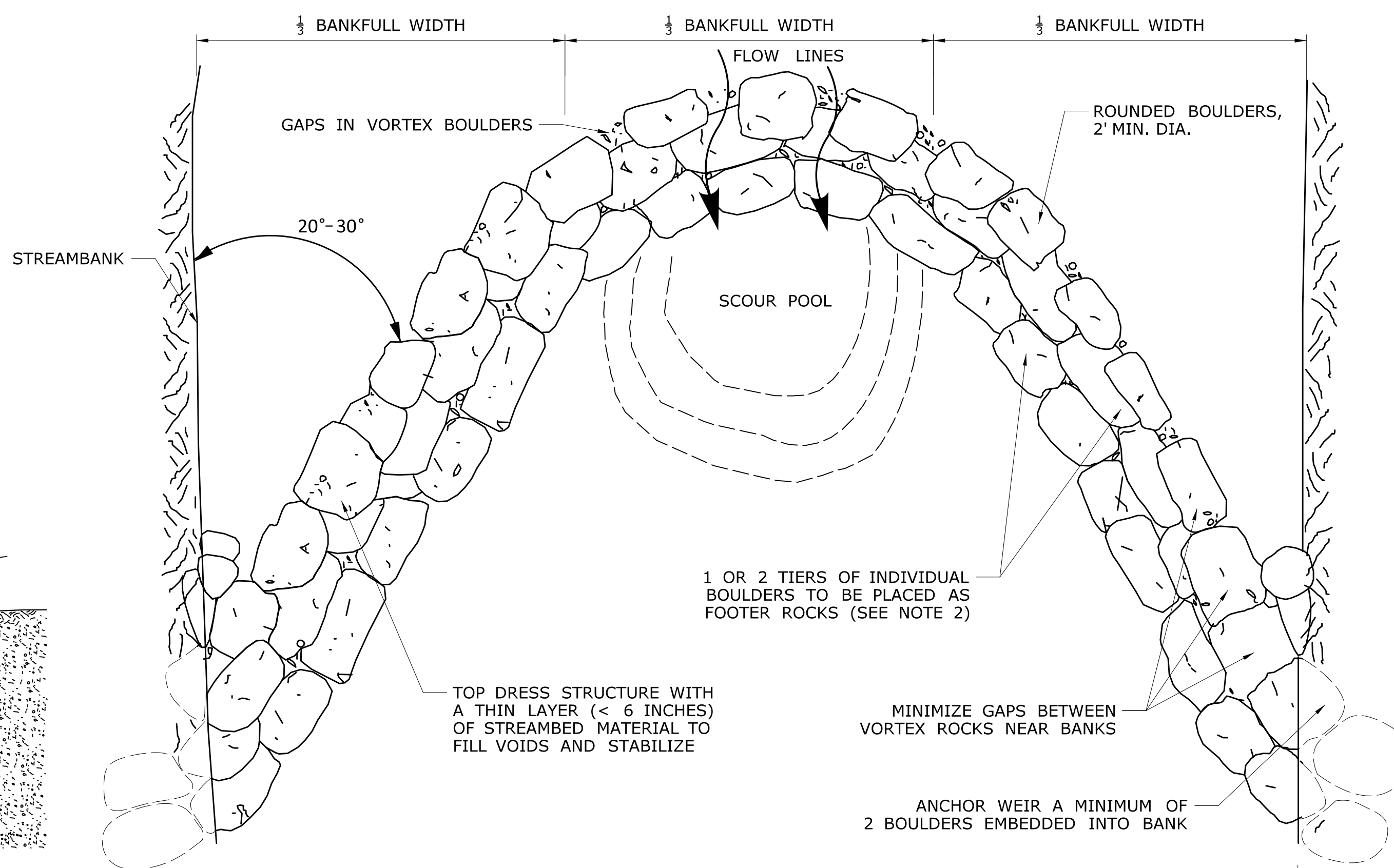
**WATER HANDLING
PLAN**



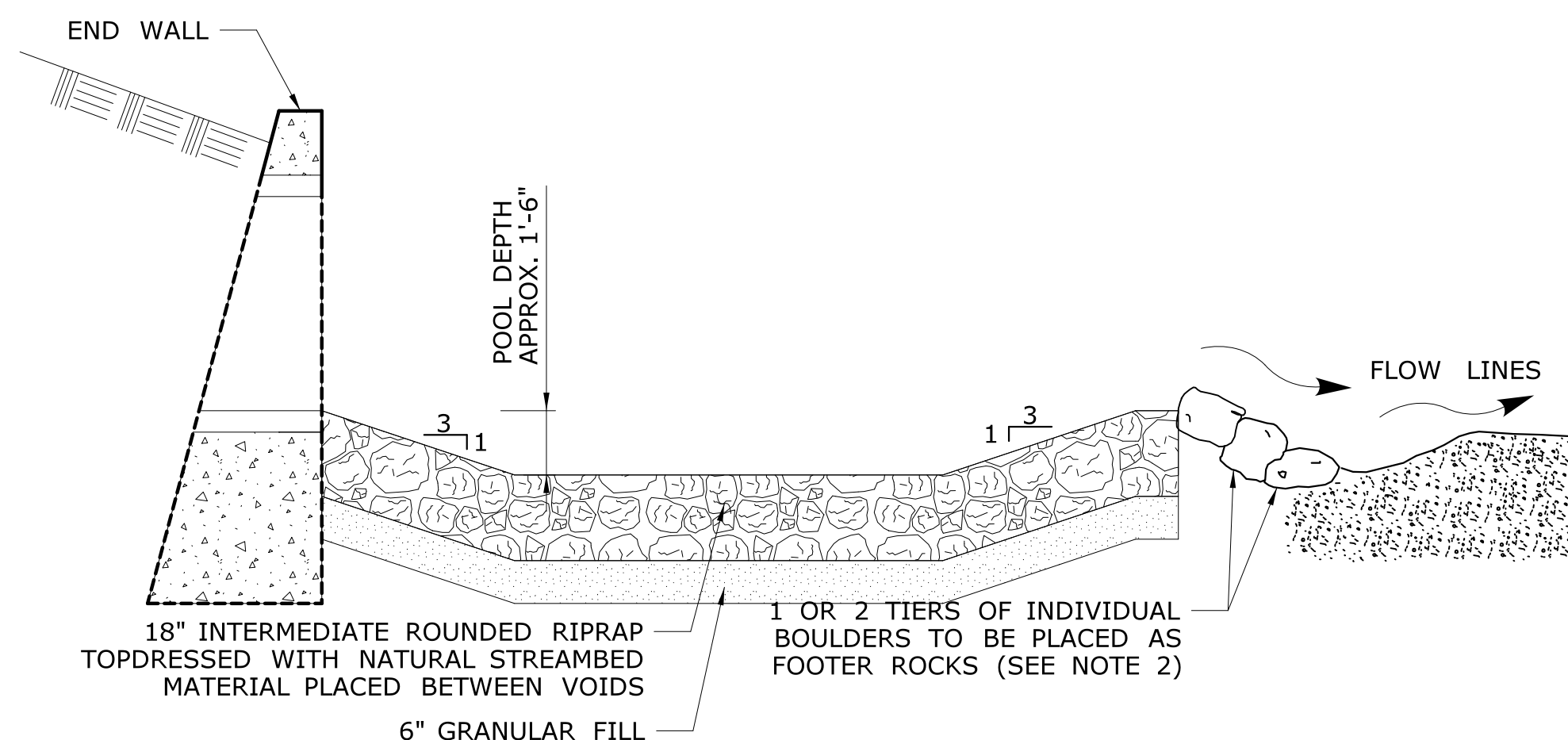
ROCK WEIR - PROFILE VIEW
N.T.S.



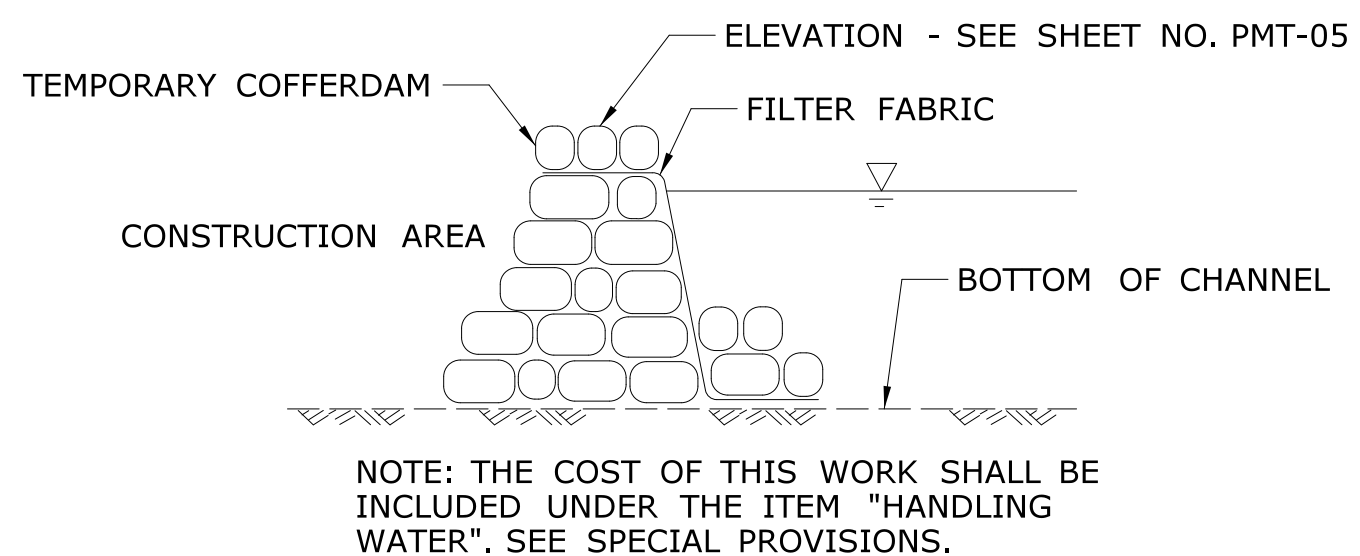
ROCK WEIR - SECTION VIEW (UPSTREAM)
N.T.S.



ROCK WEIR - PLAN VIEW
N.T.S.



SCOUR POOL
NOT TO SCALE



SUGGESTED WATER-HANDLING-COFFERDAM DETAIL
NOT TO SCALE

ROCK WEIR NOTES:

1. PLACEMENT OF THE ROCK WEIR SHALL BE DIRECTED IN THE FIELD BY CTDEEP FISHERIES OR THEIR AUTHORIZED DELEGATE. SEE SPECIAL PROVISION "ROCK WEIR".
2. FOOTER ROCKS SHALL SERVE AS THE FOUNDATION FOR THE TOP LAYER OF THE WEIR. FOOTER ROCKS SHALL HAVE REASONABLE FLAT TOPS AND BOTTOMS TO ENABLE BETTER PLACEMENT OF THE TOP LAYER OF THE WEIR.

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ACCESS LAYOUT AND IMPLEMENTATION NEEDED FOR THE SHOWN ACCESS ROADWAYS AS REQUIRED TO COMPLETE THE WORK. NO ENCROACHMENT INTO EXISTING LITTLE MOUNTAIN BROOK, STREAMS, WATERWAYS OR WETLAND AREAS OTHER THAN THAT SHOWN HEREON WILL BE ALLOWED.
2. ALL DISTURBED AREA TO BE REESTABLISHED WITH TURF ESTABLISHMENT AND SEEDING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
3. SLOPE LIMITS ARE APPROXIMATE AND MAY CHANGE BASED ON ACTUAL FIELD CONDITION.
4. THE EXISTING CULVERT TO BE LINED UNDER THIS PROJECT IS STORMWATER FED. THE CONTRACTOR SHALL INSTALL THE PROPOSED CULVERT LINING UNDER WET CONDITIONS AS DESCRIBED IN THE WATER HANDLING NOTES.

ENVIRONMENTAL PERMIT PLANS - 7/8/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/19/2019

DESIGNER/DRAFTER: SKS
CHECKED BY: PB
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

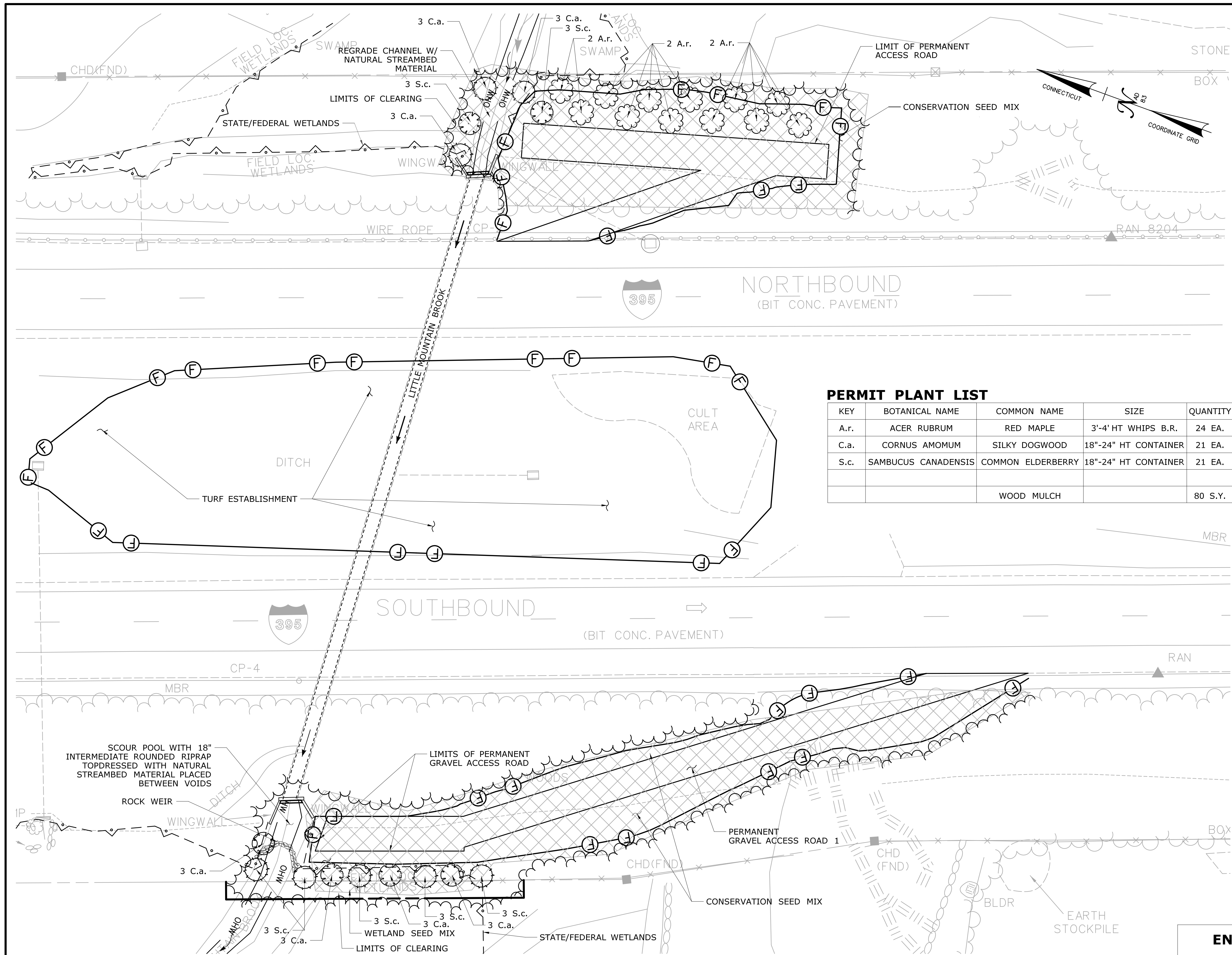
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SIGNATURE/BLOCK:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
**REHABILITATION OF
BRIDGE NO. 06793 I-395 OVER
LITTLE MOUNTAIN BROOK**

TOWN: **THOMPSON**
DRAWING TITLE:
MISCELLANEOUS DETAILS

PROJECT NO. **141-154**
DRAWING NO. **PMT-06**
SHEET NO.



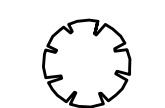
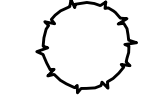


- NOTES:**
1. PLANTINGS ON THE SHEET ARE FOR ENVIRONMENTAL PERMITTING. ANY CHANGES TO PERMIT SHALL BE COORDINATED WITH THE DEPARTMENT'S OFFICE OF ENVIRONMENTAL PLANNING.
 2. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
 3. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH A WETLAND SEED MIX. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE COVERED WITH A WOOD CHIP MULCH OR A CONSERVATIVE SEED MIX. ALL DISTURBED AREAS SHALL BE RESTORED.
 4. SEE ITEM #0952041A - CONTROL AND REMOVAL OF INVASIVE VEGETATION FOR FURTHER INFORMATION

PERMIT PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	SPACING
A.r.	ACER RUBRUM	RED MAPLE	3'-4' HT WHIPS B.R.	24 EA.	FIELD LOCATE
C.a.	CORNUS AMOMUM	SILKY DOGWOOD	18"-24" HT CONTAINER	21 EA.	FIELD LOCATE
S.c.	SAMBUCUS CANADENSIS	COMMON ELDERBERRY	18"-24" HT CONTAINER	21 EA.	FIELD LOCATE
		WOOD MULCH		80 S.Y.	

LEGEND:

-  CONTROL AND REMOVAL OF INVASIVE VEGETATION
-  2 RED MAPLE
-  3 SILKY DOGWOOD
-  3 COMMON ELDBERRY

ENVIRONMENTAL PERMIT PLANS - 7/8/19

	TOWNSHIP THOMPSON	PROJECT NO. 141-154
	DRAWING TITLE: RESTORATION PLANTING PLAN	DRAWING NO. PMT-07
		SHEET NO.


REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/19/2019						

DESIGNER/DRAFTER: SKS
CHECKED BY: PB

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SCALE IN FEET
0 20 40
SCALE 1"=20'

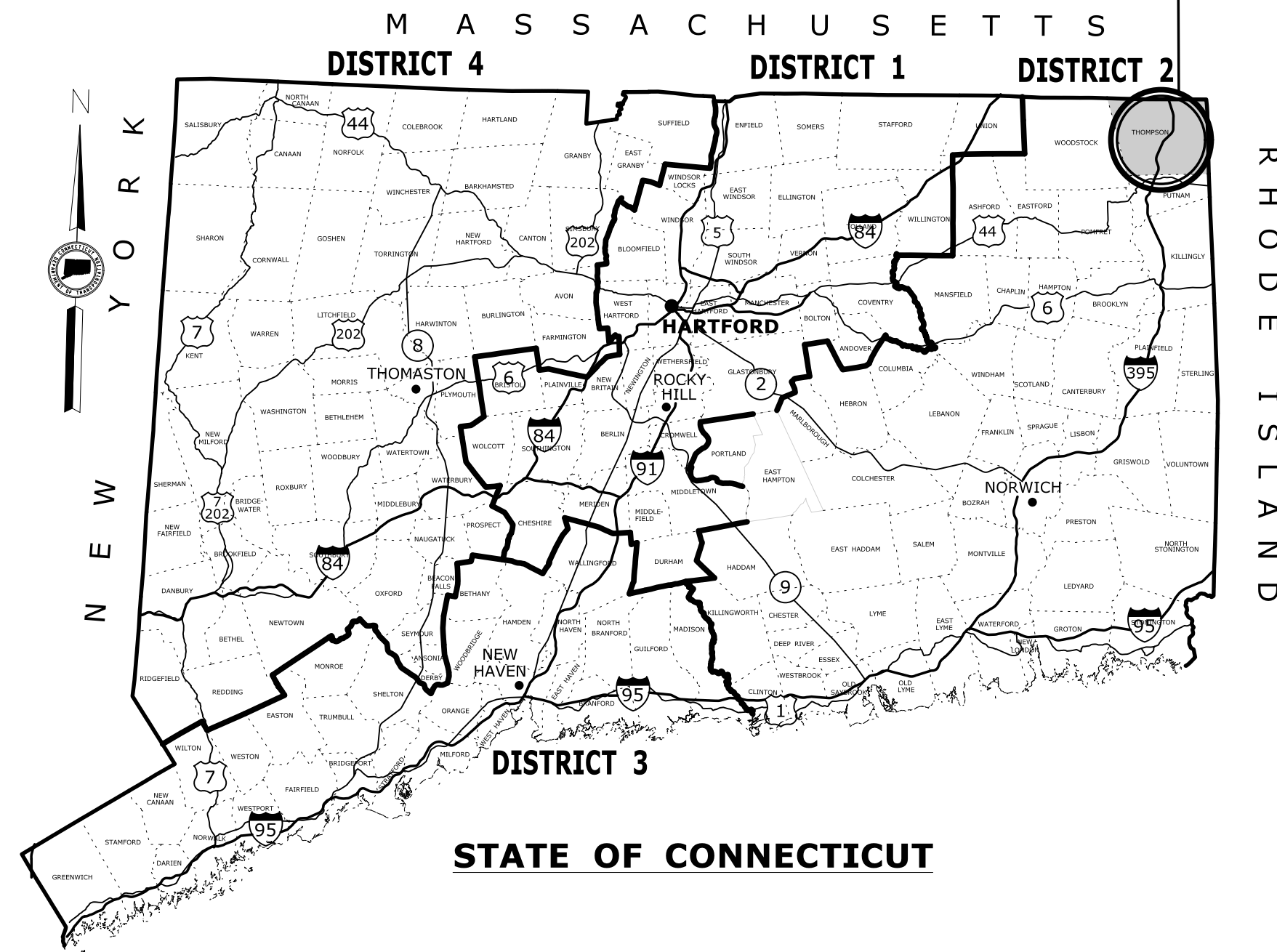
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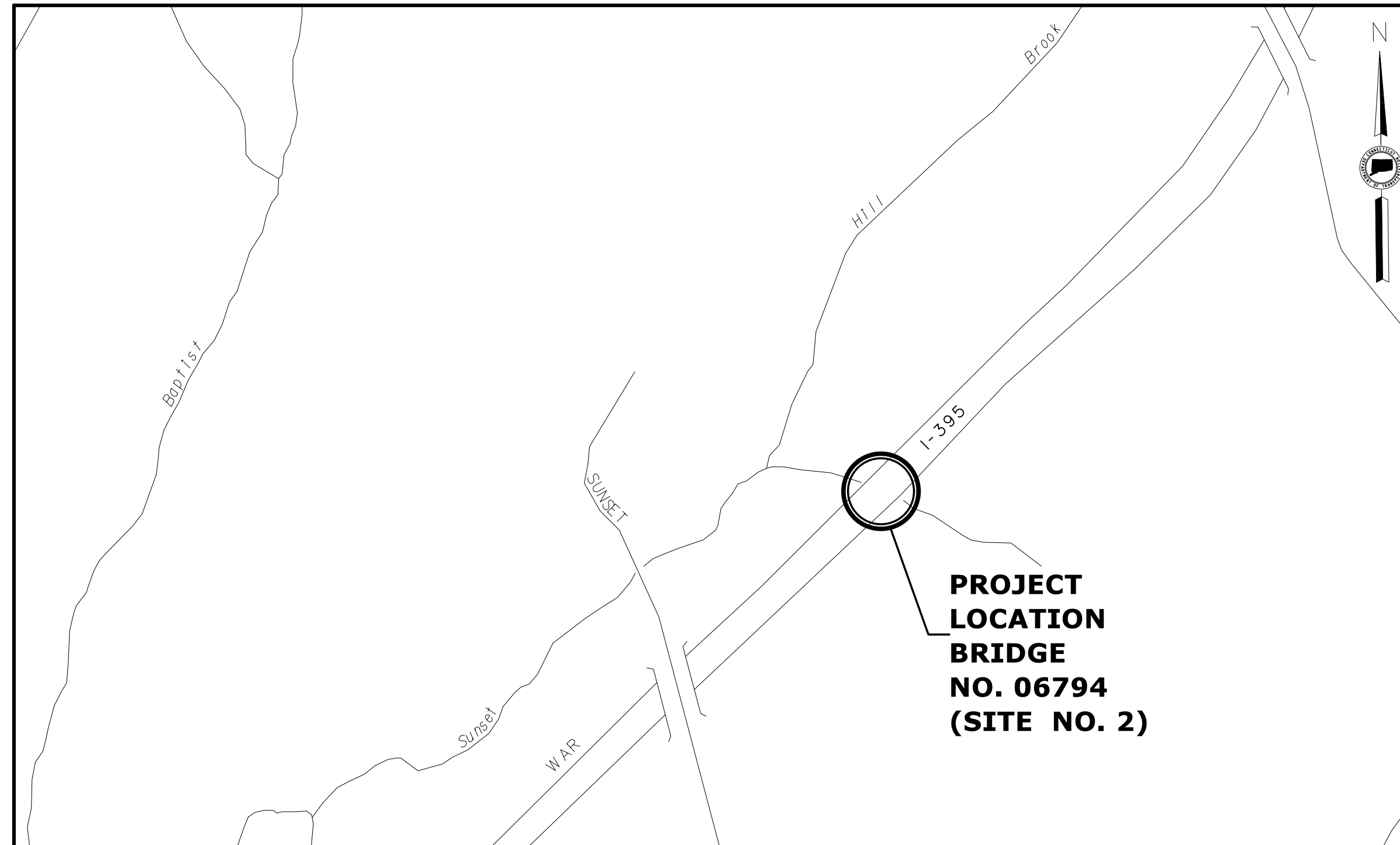
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 06793 I-395 OVER LITTLE MOUNTAIN BROOK

**PROJECT
LOCATION
BRIDGE
NO. 06794
(SITE NO. 2)**



ENVIRONMENTAL PERMIT PLANS STATE PROJECT NO. 141-154 REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK (SITE NO. 2) IN THE TOWN OF THOMPSON



LOCATION PLAN
SCALE: 1" = 500'

GENERAL NOTES:

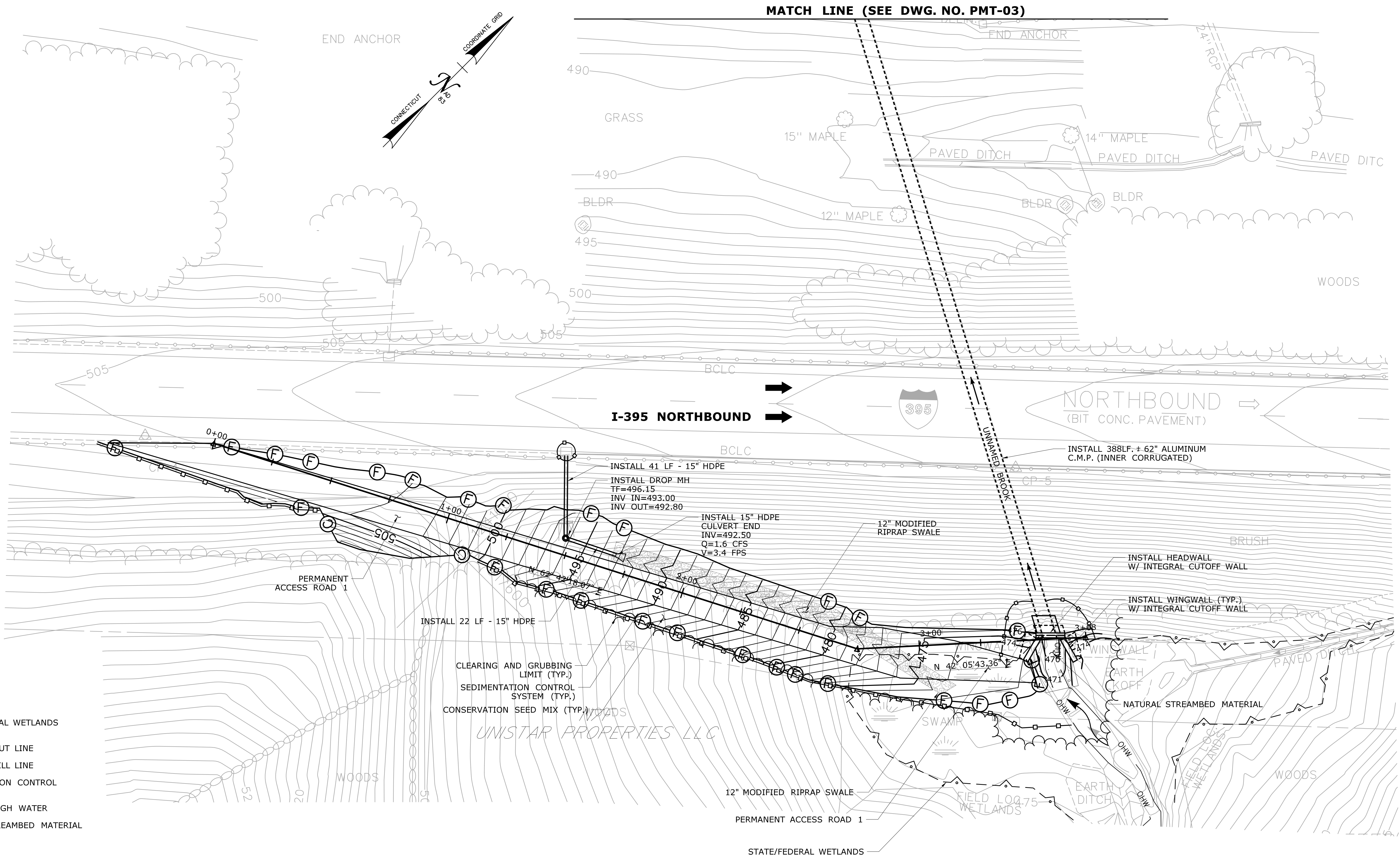
1. THESE PLANS ARE INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP AND USACE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983 VERTICAL DATUM BASED ON N.A.V.D. OF 1988.
5. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGE, AND INCIDENTAL CONSTRUCTION, FORM 817, SECTION 1.10 AND WILL ALSO FOLLOW "REQUIRED" BEST MANAGEMENT PRACTICES (BMPs) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 2002 EROSION & SEDIMENTATION CONTROL GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.

LIST OF DRAWINGS	
DRAWING NO.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02	GENERAL PLAN ACCESS ROAD 1
PMT-03	GENERAL PLAN ACCESS ROAD 2
PMT-04	WETLAND/WATERCOURSE IMPACT PLAN ROAD 1
PMT-05	WETLAND/WATERCOURSE IMPACT PLAN ROAD 2
PMT-06	LONGITUDINAL SECTION AND ELEVATIONS
PMT-07	WATER HANDLING PLAN
PMT-08	MISCELLANEOUS DETAILS
PMT-09	RESTORATION PLANTING PLAN ROAD 1
PMT-10	RESTORATION PLANTING PLAN ROAD 2

DESIGNED BY:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

ENVIRONMENTAL PERMIT PLANS - 11/12/19

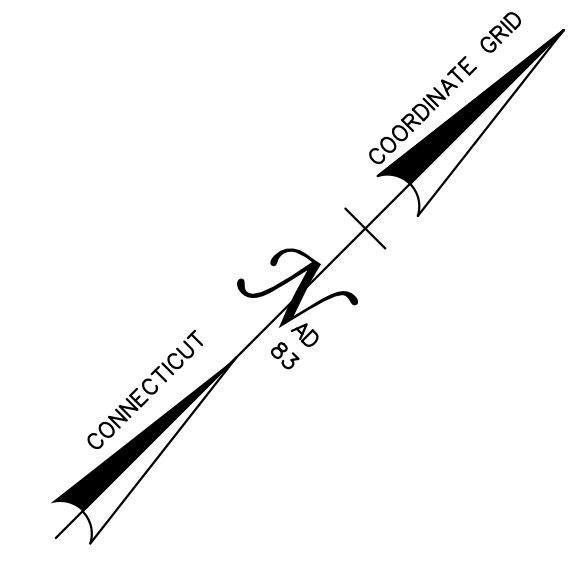
	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: SKS	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>		SIGNATURE/ BLOCK:	GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06030 BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK	TOWN: THOMPSON	PROJECT NO. 141-154
		CHECKED BY: JG						DRAWING TITLE: TITLE SHEET	DRAWING NO. PMT-01
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 11/12/2019	SCALE AS NOTED	Filename: ...VHW_MSH_141_154_TSH.dgn			SHEET NO.



- LEGEND:**
- STATE/FEDERAL WETLANDS
 - PROPOSED CUT LINE
 - PROPOSED FILL LINE
 - SEDIMENTATION CONTROL SYSTEM
 - OHW --- ORDINARY HIGH WATER
 - NATURAL STREAMBED MATERIAL

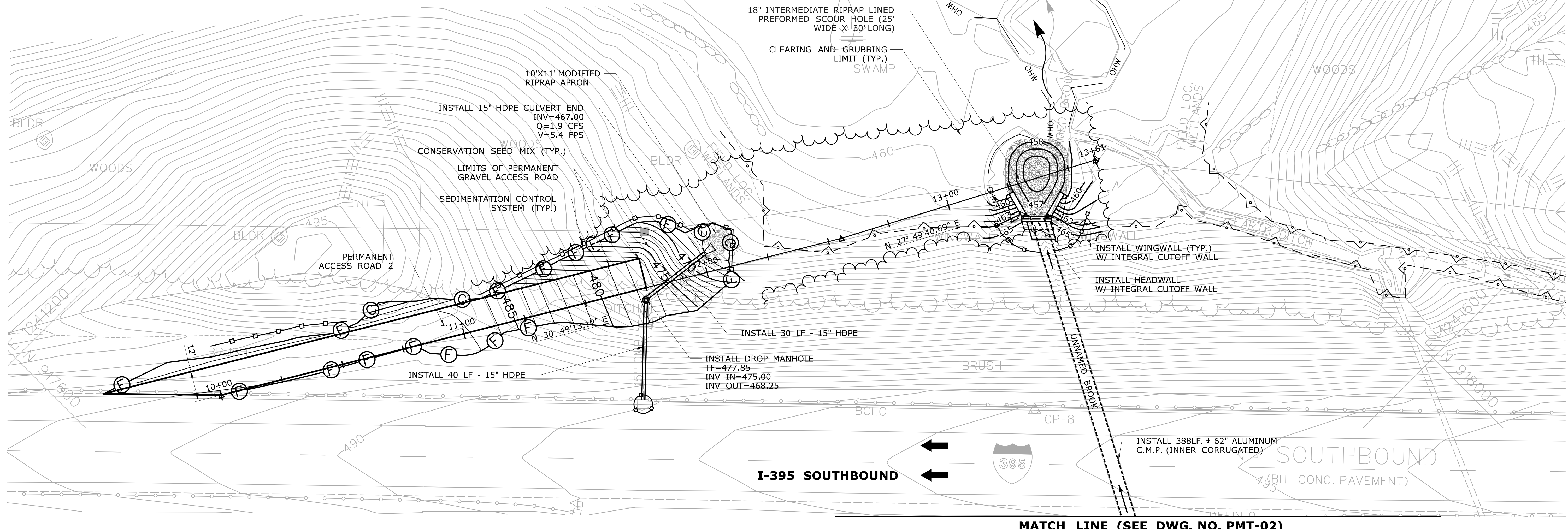
ENVIRONMENTAL PERMIT PLANS - 11/12/19

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: NB CHECKED BY: PB SCALE IN FEET 0 20 40 SCALE 1"=20'	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/BLOCK: 	GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06030 BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK	TOWN: THOMPSON	PROJECT NO. 141-154 DRAWING NO. PMT-02 SHEET NO.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 11/20/2019	Filename: ...VHW_MSH_141_154_PLN_1_PERMIT.dgn	GENERAL PLAN ACCESS ROAD 1		



N/F
QUADDICK LIGHTHOUSE POINT LLC

REFERENCE : ROW MAP NO. 141-17
SHEET NO. 8 OF 7



MATCH LINE (SEE DWG. NO. PMT-02)

LEGEND:

- - STATE/FEDERAL WETLANDS
- - PROPOSED CUT LINE
- - PROPOSED FILL LINE
- - SEDIMENTATION CONTROL SYSTEM
- - ORDINARY HIGH WATER

ENVIRONMENTAL PERMIT PLANS - 11/12/19

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: NB CHECKED BY: PB SCALE IN FEET SCALE 1"=20'	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION File name: ...VHW_MSH_141_154_PLN_2_PERMIT.dgn	SIGNATURE/BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06030 BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK	TOWN: THOMPSON	PROJECT NO. 141-154 DRAWING NO. PMT-03 SHEET NO.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 11/20/2019	GENERAL PLAN ACCESS ROAD 2		

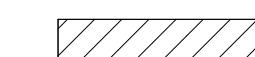

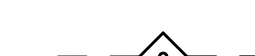


MATCH LINE (SEE DWG. NO. PMT-05)

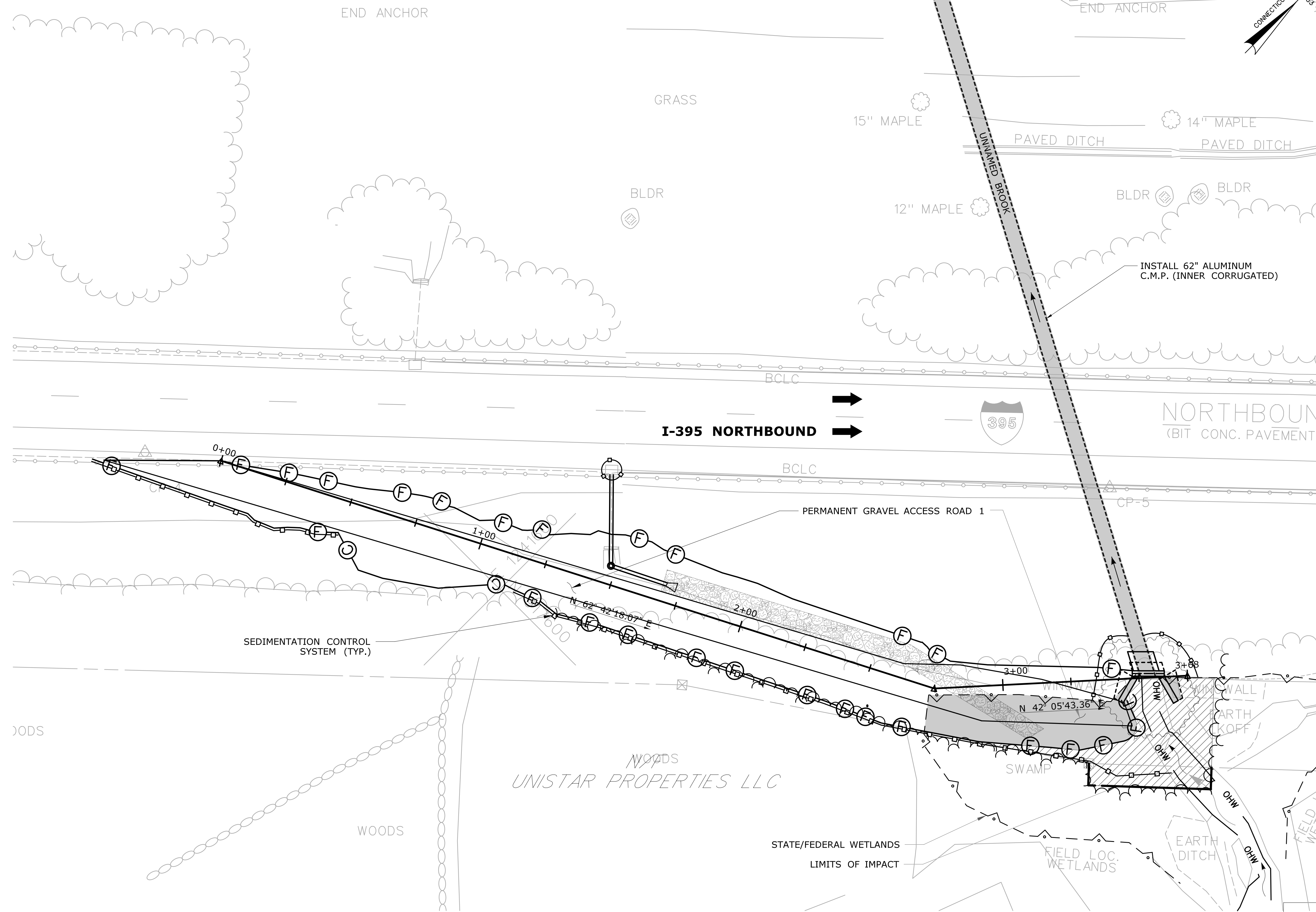
NOTE:

THE CONTRACTOR SHALL NOT WORK WITHIN THE LIMITS OF THE WETLANDS AND WATERCOURSE WITH THE EXCEPTION OF THOSE AREAS DELINEATED AS TEMPORARY OR PERMANENT IMPACTS TO THE WETLANDS AND WATERCOURSE ALL DISTURBED AREAS SHALL BE RESTORED.

LEGEND:

THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

-  TEMPORARY IMPACT
-  PERMANENT IMPACT
-  STATE/FEDERAL WETLANDS
-  SEDIMENTATION CONTROL SYSTEM
-  OHW - ORDINARY HIGH WATER



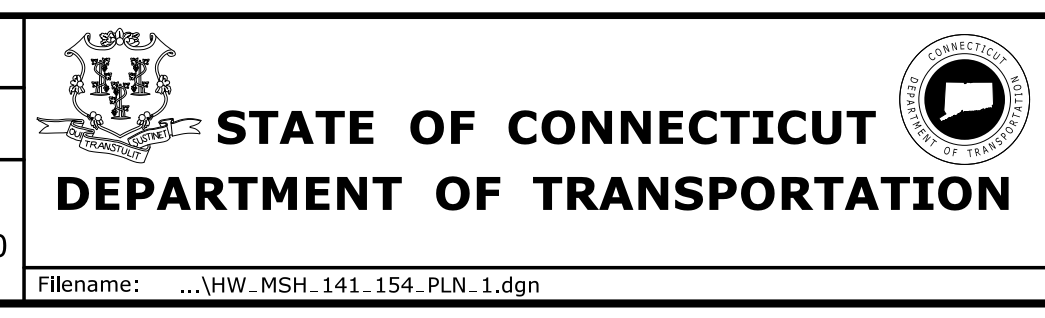
SEE PMT-05 FOR TABLE OF WETLAND IMPACTS

ENVIRONMENTAL PERMIT PLANS - 11/12/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: SKS
 CHECKED BY: PB
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 SCALE 1"=20'



SIGNATURE/BLOCK: [Signature]
 GM2 ASSOCIATES, INC.
 115 GLASTONBURY BLVD.
 GLASTONBURY, CT 06030
 BLOCK:

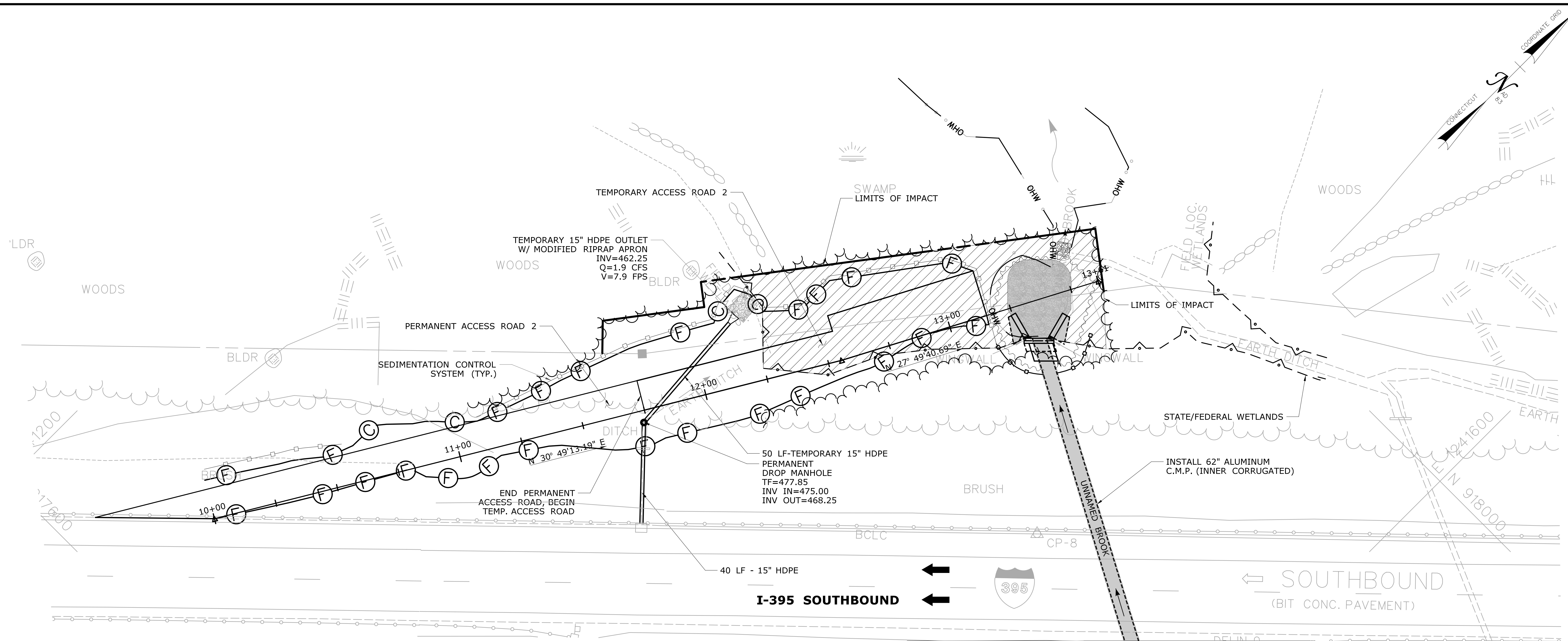
PROJECT TITLE:
**REHABILITATION OF
 BRIDGE NO. 06794 I-395 OVER
 UNNAMED BROOK**

TOWN: **THOMPSON**
 DRAWING TITLE:
**WETLAND/WATERCOURSE
 IMPACT PLAN ROAD 1**

PROJECT NO. **141-154**
 DRAWING NO. **PMT-04**
 SHEET NO.

Plotted Date: 11/12/2019

Filename: ...VHW_MSH_141_154_PLN_1.dgn



NOTE:
 THE CONTRACTOR SHALL NOT WORK WITHIN THE LIMITS OF THE WETLANDS AND WATERCOURSE WITH THE EXCEPTION OF THOSE AREAS DELINEATED AS TEMPORARY OR PERMANENT IMPACTS TO THE WETLANDS AND WATERCOURSE ALL DISTURBED AREAS SHALL BE RESTORED.

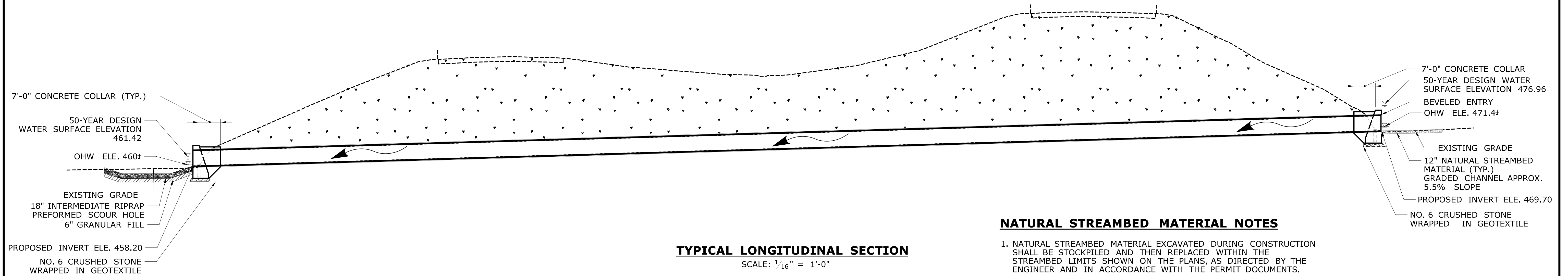
LEGEND:
 THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- TEMPORARY IMPACT
- PERMANENT IMPACT
- STATE/FEDERAL WETLANDS
- SEDIMENTATION CONTROL SYSTEM
- OHW - ORDINARY HIGH WATER

WETLAND IMPACT TABLE				
	WETLAND SITE NO.	WETLAND IMPACTS	WATERWAY IMPACTS	TOTAL
PERMANENT IMPACTS	2	1,617 S.F. (0.037 A.C.)	2,978 S.F. (0.068 A.C.)	4,595 S.F. (0.105 A.C.)
TEMPORARY IMPACTS	2	5,539 S.F. (0.127 A.C.)	597 S.F. (0.014 A.C.)	6,136 S.F. (0.141 A.C.)
TOTAL IMPACTS		7,156 S.F. (0.164 A.C.)	3,575 S.F. (0.082 A.C.)	10,731 S.F. (0.246 A.C.)

ENVIRONMENTAL PERMIT PLANS - 11/12/19

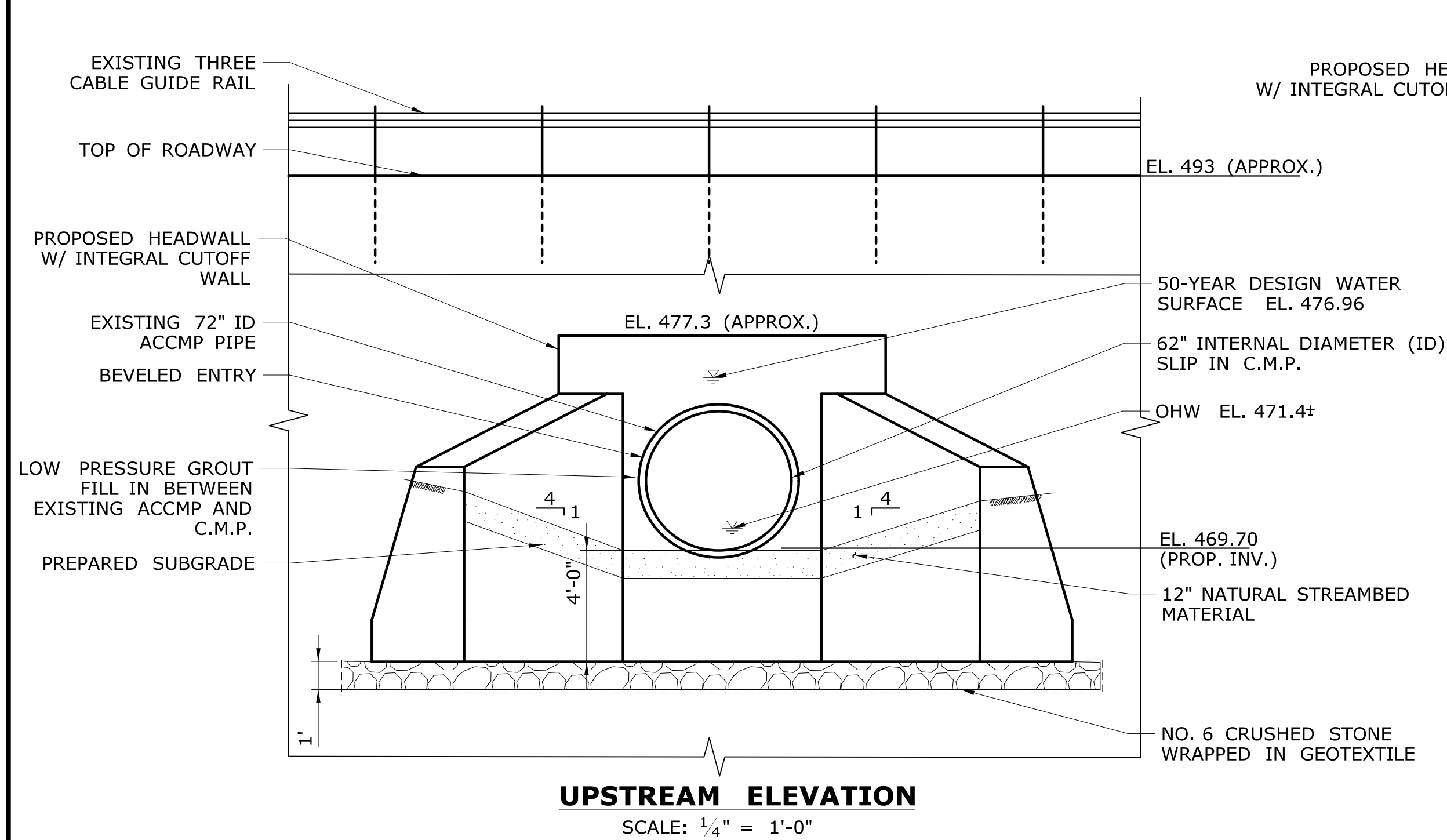
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: SKS CHECKED BY: PB SCALE IN FEET 0 20 40 SCALE 1"=20'	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/BLOCK: 	PROJECT TITLE: <p align="center">REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK</p>	TOWN: <p align="center">THOMPSON</p>	PROJECT NO. <p align="center">141-154</p>
Plotted Date: 11/20/2019					DRAWING TITLE: <p align="center">WETLAND/WATERCOURSE IMPACT PLAN ROAD 2</p>	SHEET NO. <p align="center">PMT-05</p>



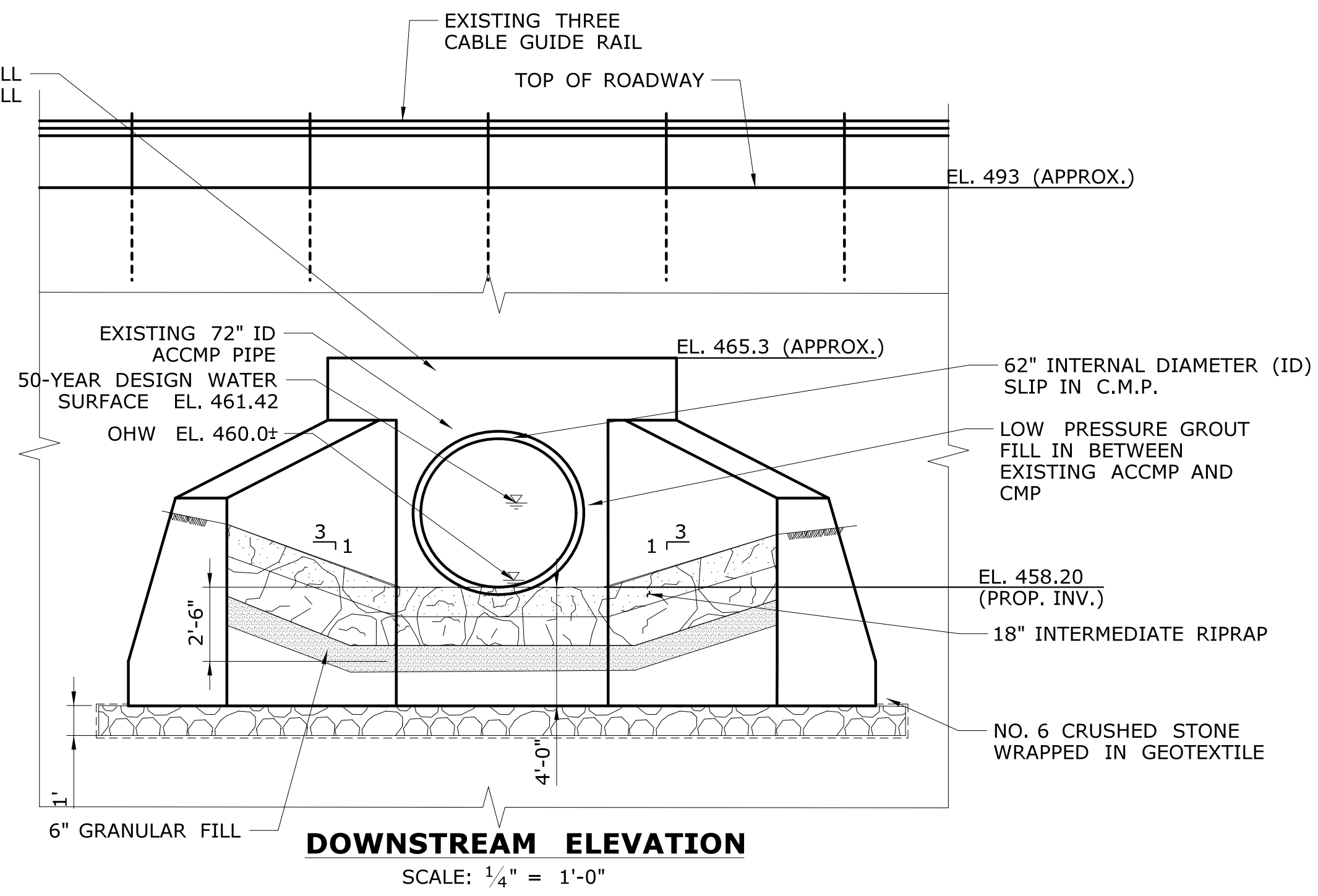
TYPICAL LONGITUDINAL SECTION
SCALE: 1/16" = 1'-0"

NATURAL STREAMBED MATERIAL NOTES

1. NATURAL STREAMBED MATERIAL EXCAVATED DURING CONSTRUCTION SHALL BE STOCKPILED AND THEN REPLACED WITHIN THE STREAMBED LIMITS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH THE PERMIT DOCUMENTS.
2. THE STOCKPILE SHALL BE LOCATED OUTSIDE THE WETLAND LIMITS AND PROTECTED WITH SEDIMENTATION CONTROL SYSTEM.



UPSTREAM ELEVATION
SCALE: 1/4" = 1'-0"



DOWNSTREAM ELEVATION
SCALE: 1/4" = 1'-0"

OPENNESS RATIO (OR):

OR = OPEN AREA/CULVERT LENGTH
= 20.96/388
= 0.054 FT.

BANKFULL WIDTH (BFW):

BFW = 6 FT. EXISTING UPSTREAM (OHW)
1.2 X BFW = 7.2 FT
7.2 FT > 5.2 FT PROPOSED PIPE DIAMETER

HYDRAULIC DATA

DRAINAGE AREA (SQ. MI.)	0.42	
DESIGN FREQUENCY (YR.)	50	
DESIGN DISCHARGE (CFS)	230	
AVERAGE DAILY FLOW DISCHARGE (CFS)	0.8	
	UPSTREAM	DOWNSTREAM
ORDINARY HIGH WATER SURFACE ELEV. (FT.)	471.4	460±
50-YEAR DESIGN WATER SURFACE ELEV. (FT.)	476.96	461.42

ENVIRONMENTAL PERMIT PLANS - 11/12/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/4/2019

DESIGNER/DRAFTER: SKS
CHECKED BY: JG
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File name: ...SB-MSH-Br06794-141-154_L-SECTION.ELEVATIONS(Permits).dgn

SIGNATURE/BLOCK: [Signature]

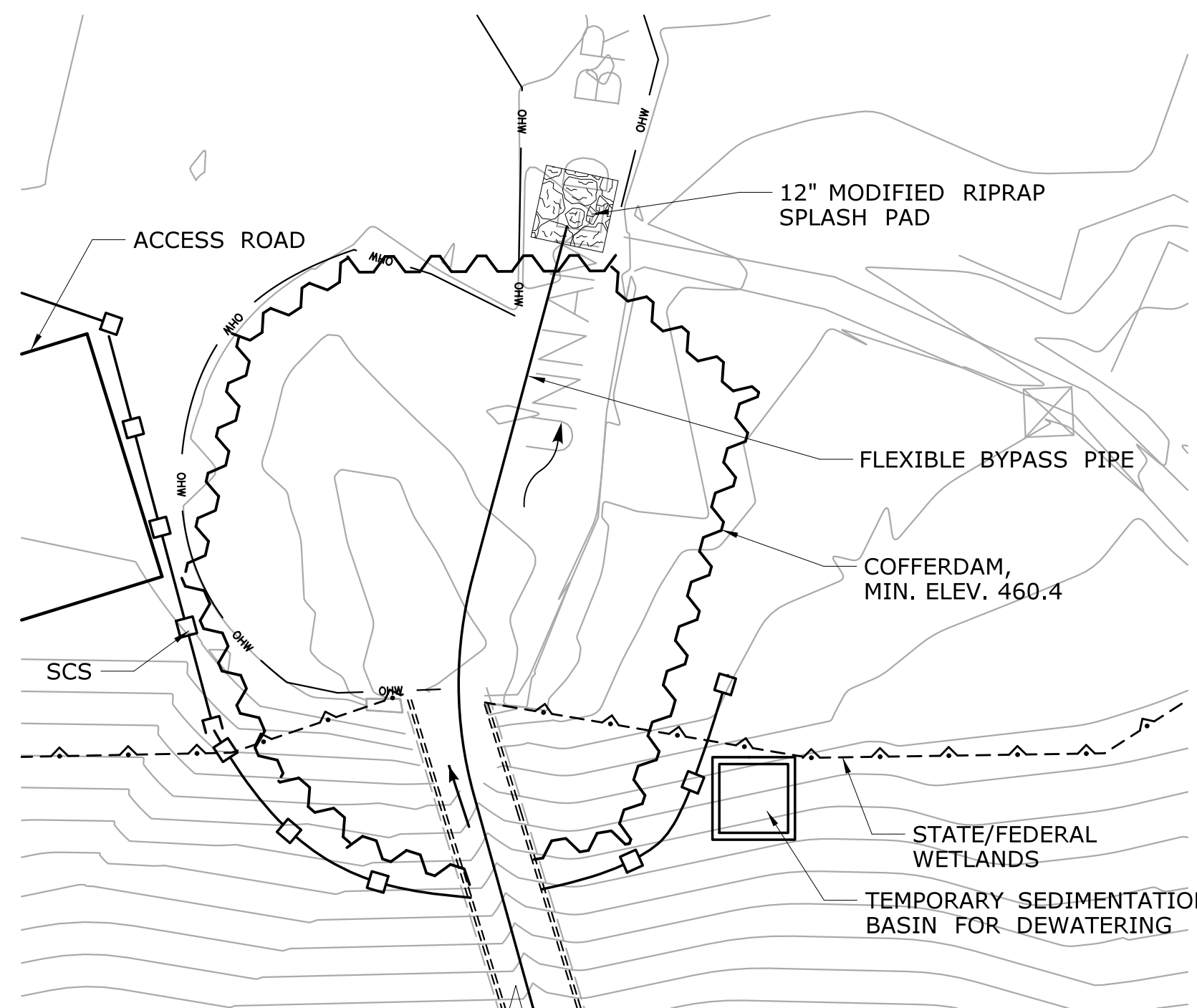
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06030
BLOCK: [Block]

PROJECT TITLE:
**REHABILITATION OF
BRIDGE NO. 06794 I-395 OVER
UNNAMED BROOK**

TOWN: **THOMPSON**

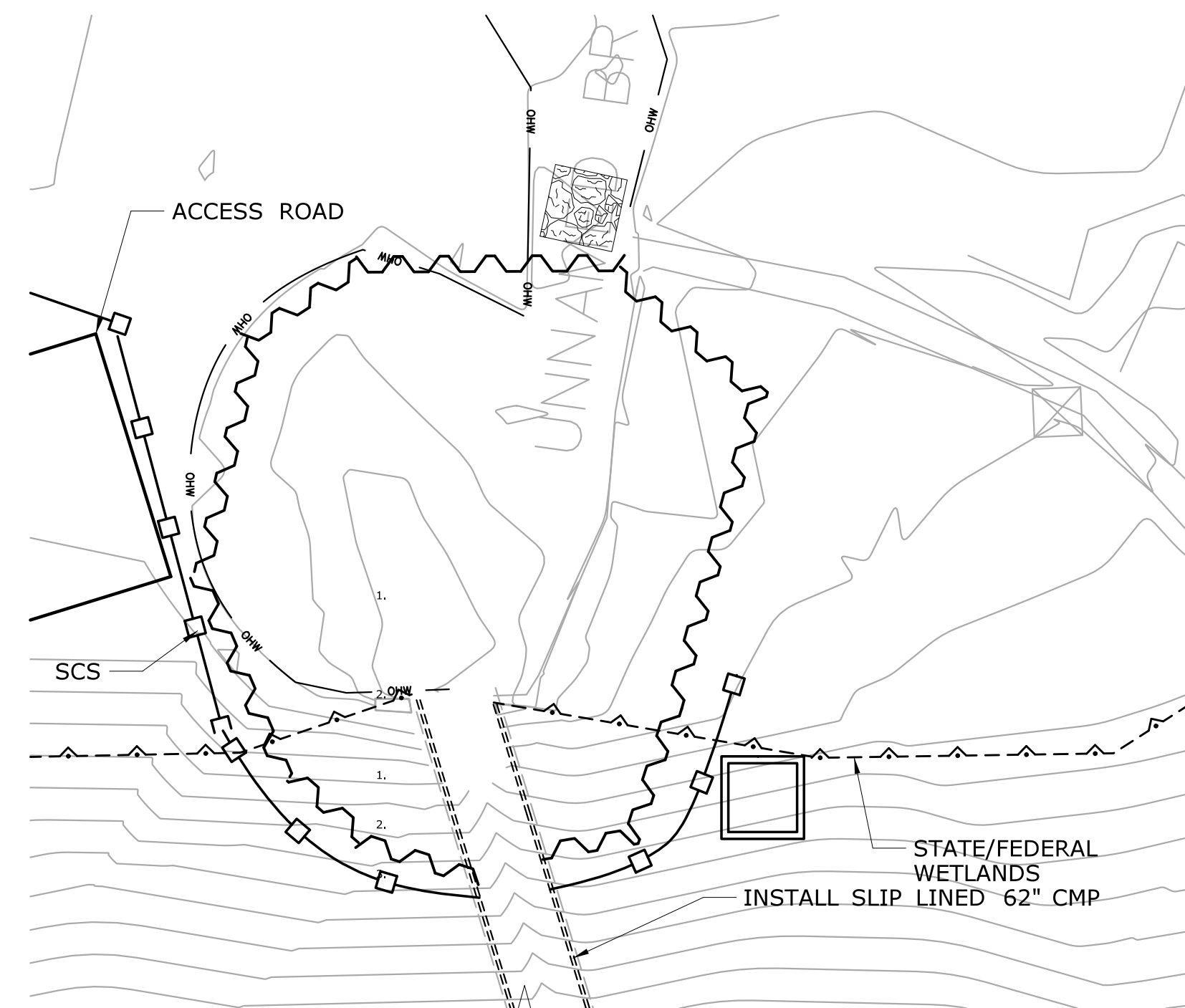
DRAWING TITLE:
**LONGITUDINAL SECTION
AND ELEVATIONS**

PROJECT NO. **141-154**
DRAWING NO. **PMT-06**
SHEET NO.



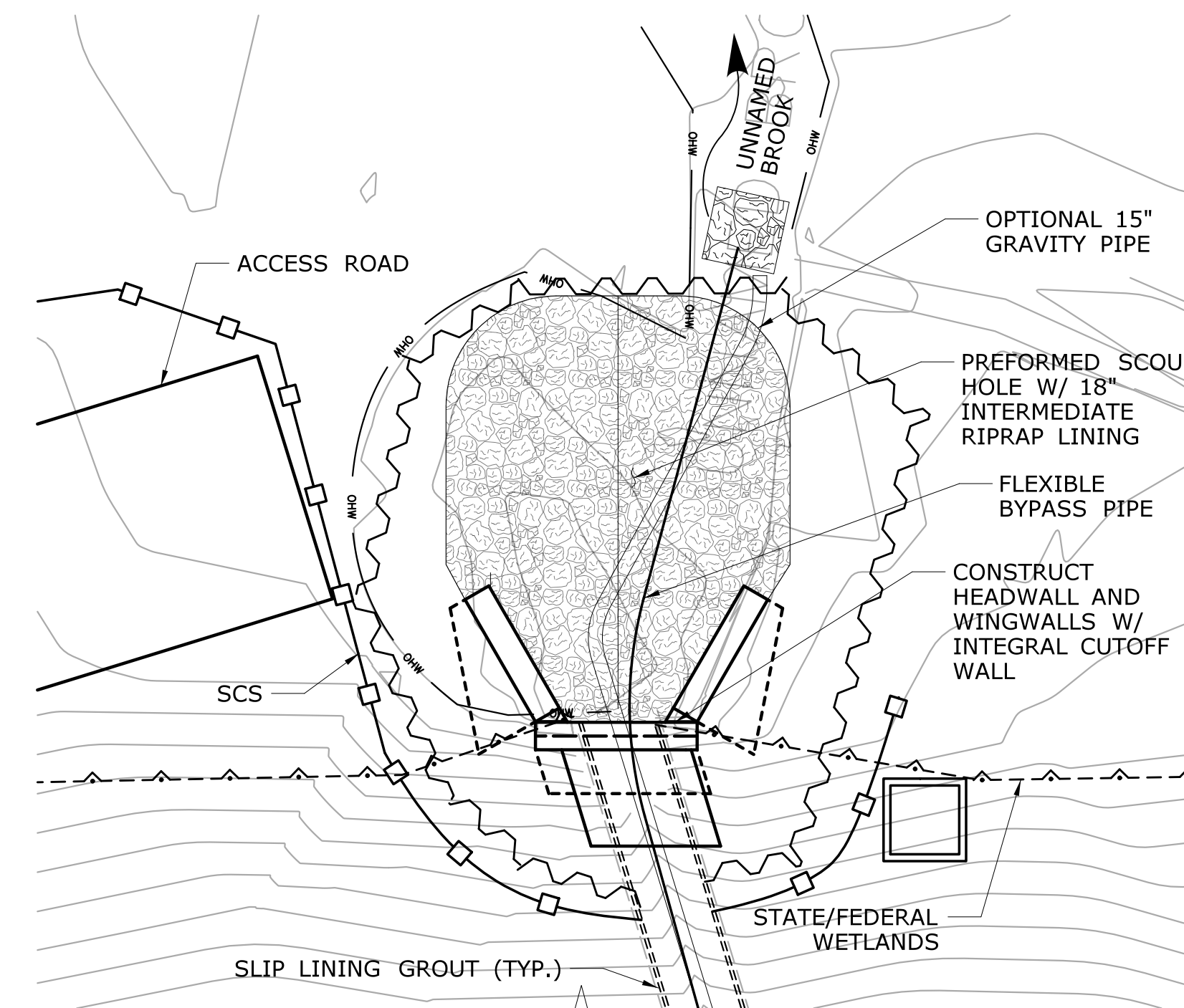
STAGE-1 SUGGESTED SEQUENCE OF CONSTRUCTION:

1. INSTALL EROSION AND SEDIMENTATION CONTROL SYSTEM.
2. PERFORM ALL TRAFFIC CONTROL WORK AND MEDIAN IMPROVEMENT WORK AS SHOWN ON TRAFFIC AND HIGHWAY DRAWINGS.
3. INSTALL UPSTREAM AND DOWNSTREAM ACCESS ROADS.
4. INSTALL COFFERDAM.
5. INSTALL STREAM BYPASS PUMPING SYSTEM THROUGH CULVERT.
6. CLEAN EXISTING ACCMP PIPE. ALL WORK SHALL BE PERFORMED IN THE DRY.
7. PERFORM PRESSURE GROUTING AND REPAIRS OF EXISTING CMP



STAGE-2 SUGGESTED SEQUENCE OF CONSTRUCTION:

1. REMOVE BYPASS OPERATION DURING SLIP LINING. PERFORM SLIP LINING IN THE WET.
2. INSTALL SPACERS FOR PROPOSED CMP PIPE.
3. INSTALL NEW 62" I.D. CMP SLIP-IN PIPE TO COMPLETE STAGE-2 CONSTRUCTION.



STAGE-3 SUGGESTED SEQUENCE OF CONSTRUCTION:

1. REINSTALL BYPASS OPERATING DURING GROUTING OF ANNULAR SPACE PUMPING SYSTEM (SHOWN) OR 15" MIN. DIA. GRAVITY PIPE ACCEPTABLE.
2. INSTALL HEADWALLS AND WINGWALLS W/ INTEGRAL CUTOFF WALL.
3. PERFORM GROUTING OF ANNULAR SPACE IN LIFTS PER SPECIFICATIONS.
4. PREPARE SUBGRADE OF INLET AND OUTLET AREAS.
5. REMOVE COFFERDAMS.
6. REMOVE BYPASS OPERATION AND OPEN NEW CULVERT TO STREAM FLOWS.
7. RESTORE DISTURBED AREAS AND INSTALL PLANTINGS AS DEPICTED ON PMT-09 AND PMT-10.
8. REMOVE E&S CONTROL SYSTEM UPON PERMANENT STABILIZATION.

LEGEND:

- STATE/FEDERAL WETLANDS
- TEMPORARY COFFERDAMS
- SEDIMENTATION CONTROL SYSTEM
- ORDINARY HIGH WATER
- NATURAL STREAMBED MATERIAL
- RIPRAP

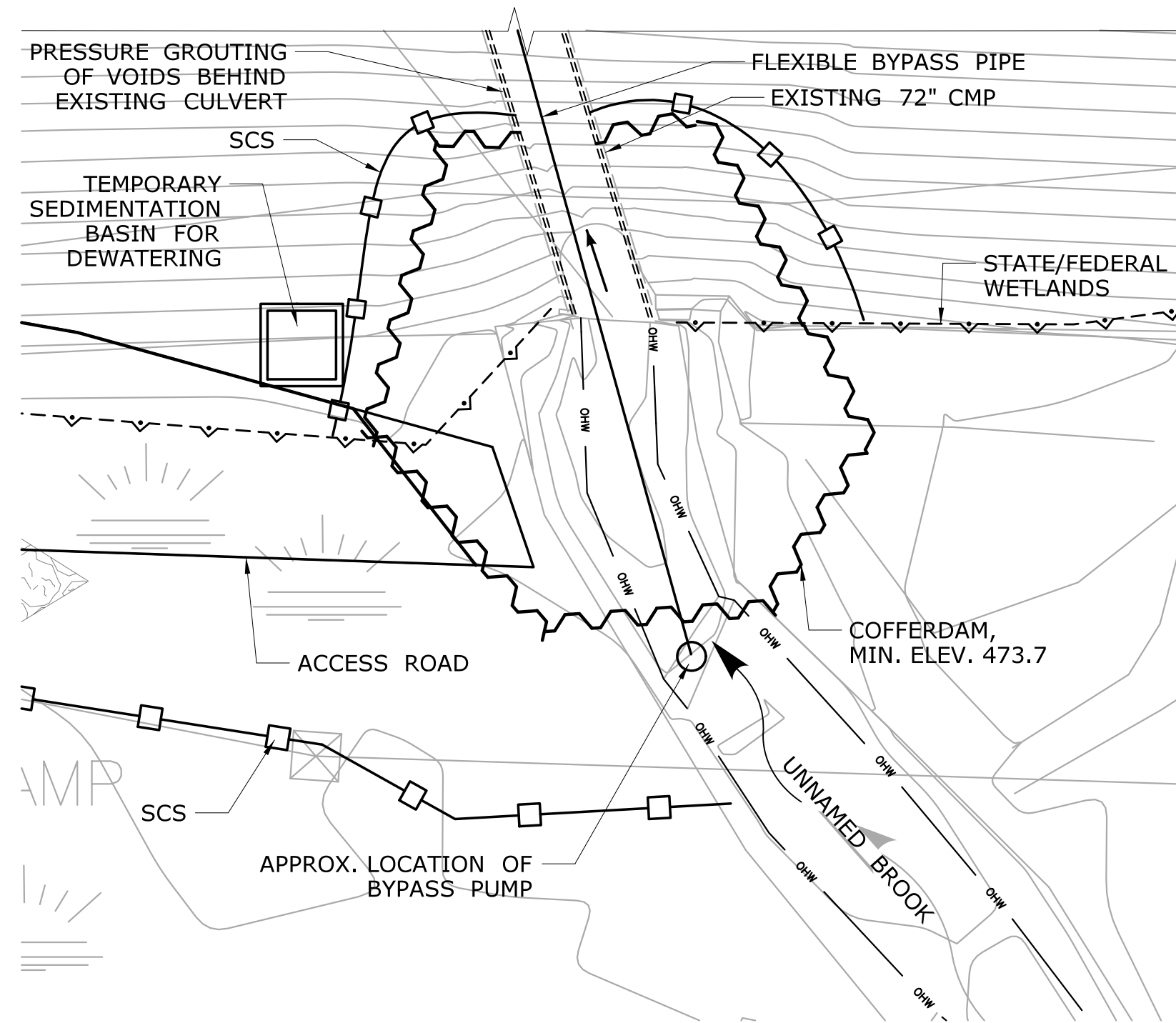
WATER HANDLING NOTES:

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY BYPASS PIPE AS SHOWN DURING CONSTRUCTION OF NEW STRUCTURE.
2. EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAM WHEN TEMPORARY BYPASS PIPE IS NOT IN PLACE WITHOUT APPROVAL FROM THE ENGINEER.
3. A PUMP DISCHARGE BASIN SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND LIMITS. THE LOCATION OF THE DEWATERING BASIN IS APPROXIMATE. THE EXACT POSITION MAY VARY BASED ON THE PUMPING DESIGN SUBMISSION AND APPROVED BY THE ENGINEER.
4. THE CONTRACTOR MAY ALLOW PONDING TO OCCUR AT THE UPSTREAM SIDE FOR INTERVALS OF FOUR HOURS WITHOUT PUMPING DURING OPERATIONS, PER CTDEEP FISHERIES.

TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW (CFS)	0.8
AVERAGE SPRING FLOW (CFS)	1.5
2-YEAR DESIGN DISCHARGE (CFS)	35
TEMPORARY DESIGN DISCHARGE (CFS)	6
TEMPORARY DESIGN FREQUENCY	4 X AVG. SPRING
TEMPORARY WATER SURFACE ELEVATION UPSTREAM (FT.)	473.2 (SEE NOTE 1)
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM (FT.)	459.3

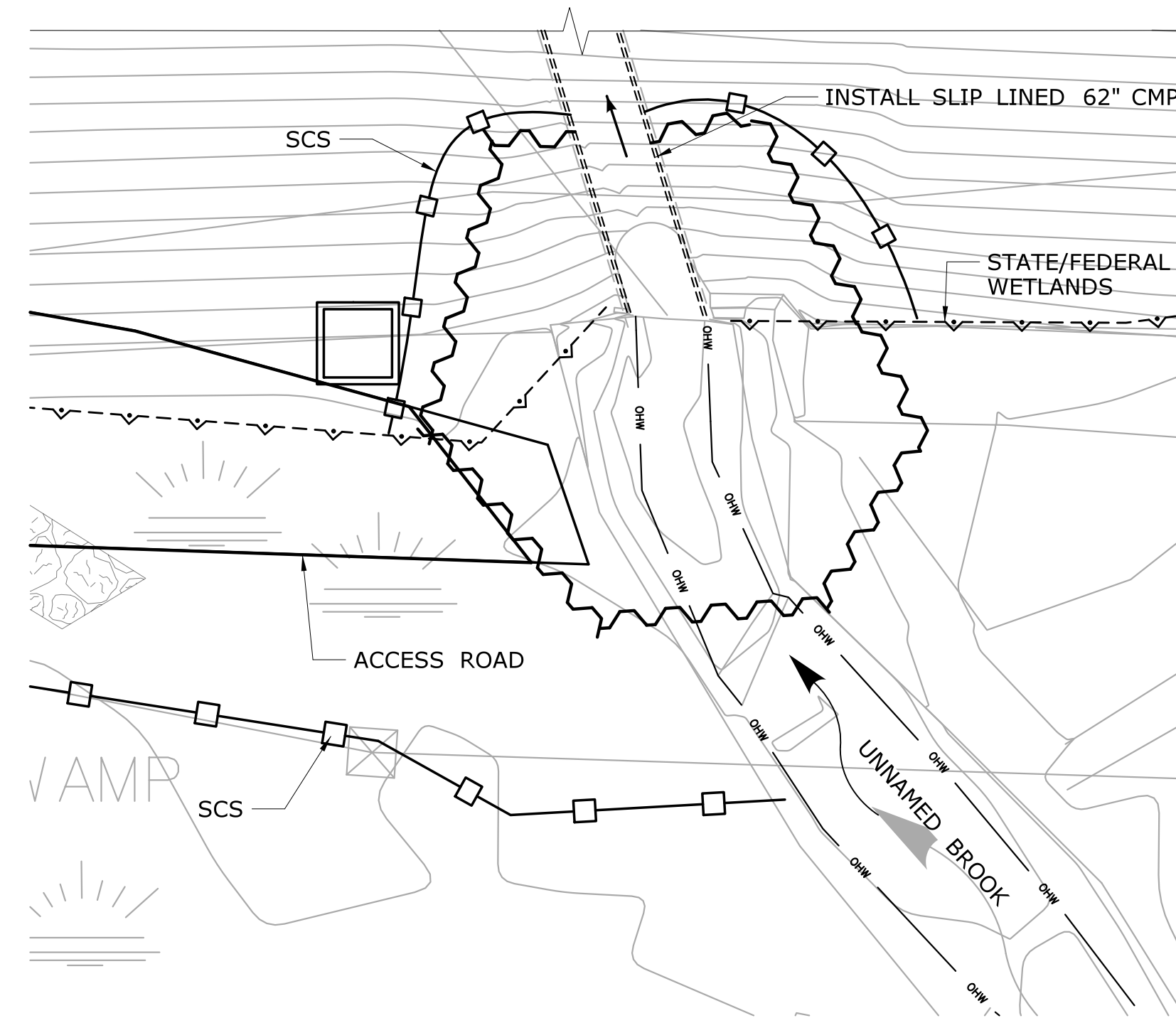
NOTES:

1. BASED ON 15" GRAVITY PIPE OR PUMP OPERATION USING TEMPORARY DESIGN DISCHARGE (4 X AVERAGE SPRING FLOW).
2. CONTRACTOR MAY IMPOUND WATER UPSTREAM FOR UP TO 4 HOURS OR UP TO ELEVATION 476.5 FT. THERE WILL BE NO ADDITIONAL PAYMENT FOR SETTING COFFERDAM HIGHER THAN ELEVATION SHOWN ON PLANS.
3. STORAGE TIME WILL BE REDUCED TO LESS THAN 4 HOURS WHEN FLOWS EXCEED THE AVERAGE SPRING FLOW.
4. ADDITIONAL COFFERDAMMING NEEDED TO KEEP STAGGING AREA DRY DURING 4 HOUR IMPOUNDMENT SHALL BE WITHIN PERMITTED IMPACT AREAS AND COME AT NO ADDITIONAL COST TO THE STATE.



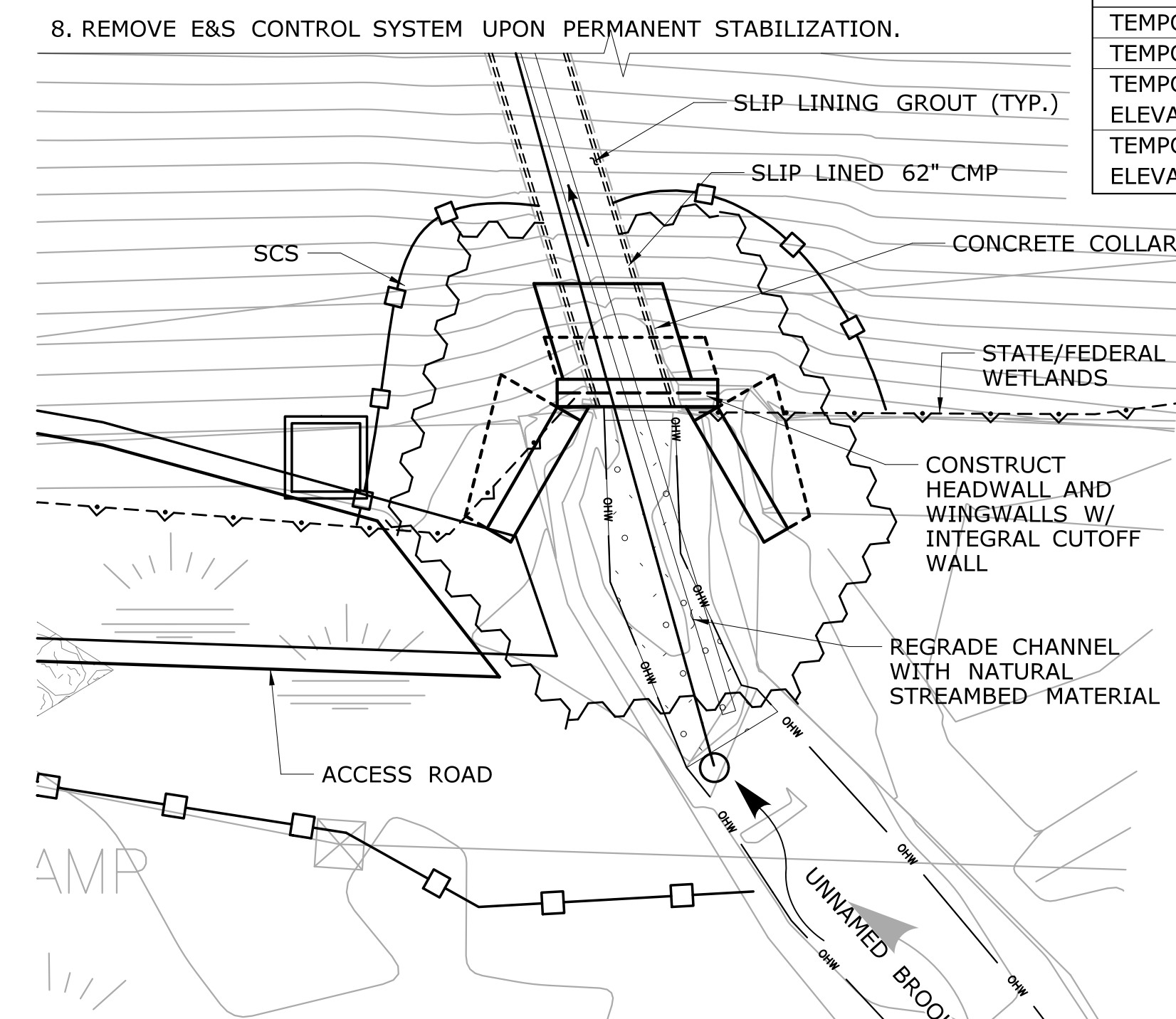
STAGE-1 WATER HANDLING PLAN

SCALE: 1" = 10'



STAGE-2 WATER HANDLING PLAN

SCALE: 1" = 10'



STAGE-3 WATER HANDLING PLAN

SCALE: 1" = 10'

ENVIRONMENTAL PERMIT PLANS - 11/12/19

DESIGNER/DRAFTER: SKS	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	
CHECKED BY: JG		
SCALE AS NOTED		

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 11/20/2019

SIGNATURE/BLOCK:	
PROJECT TITLE:	REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK

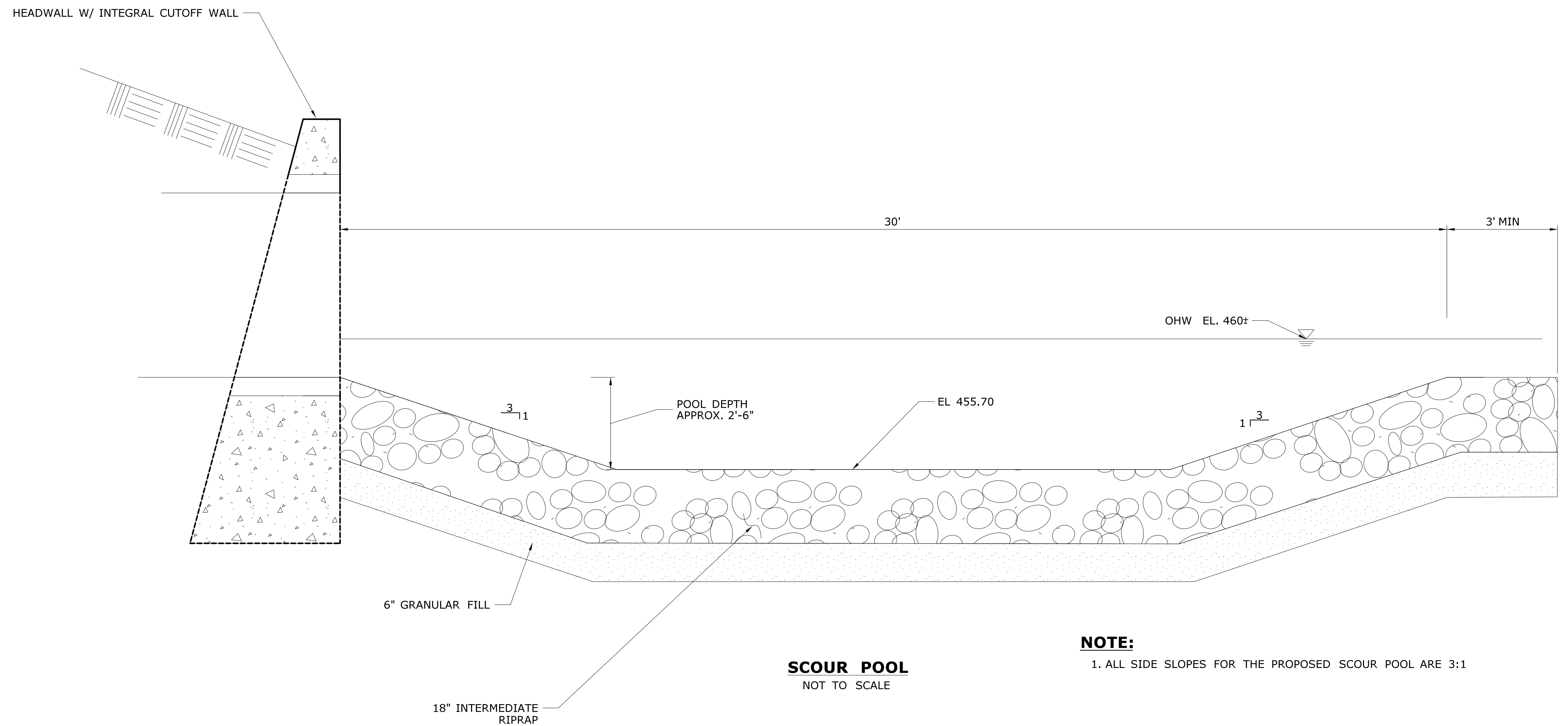
TOWN:	THOMPSON
DRAWING TITLE:	WATER HANDLING PLAN

PROJECT NO.	141-154
DRAWING NO.	PMT-07
SHEET NO.	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 11/20/2019


Filename: ...SB-MSH-Br06794-141-154_WH_PLAN.dgn



ENVIRONMENTAL PERMIT PLANS - 11/12/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 11/20/2019

DESIGNER/DRAFTER: SKS
 CHECKED BY: PB
 NOT TO SCALE


STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
 Filename: ...VHW_MSH_141_154_MDS1_PERMIT.dgn

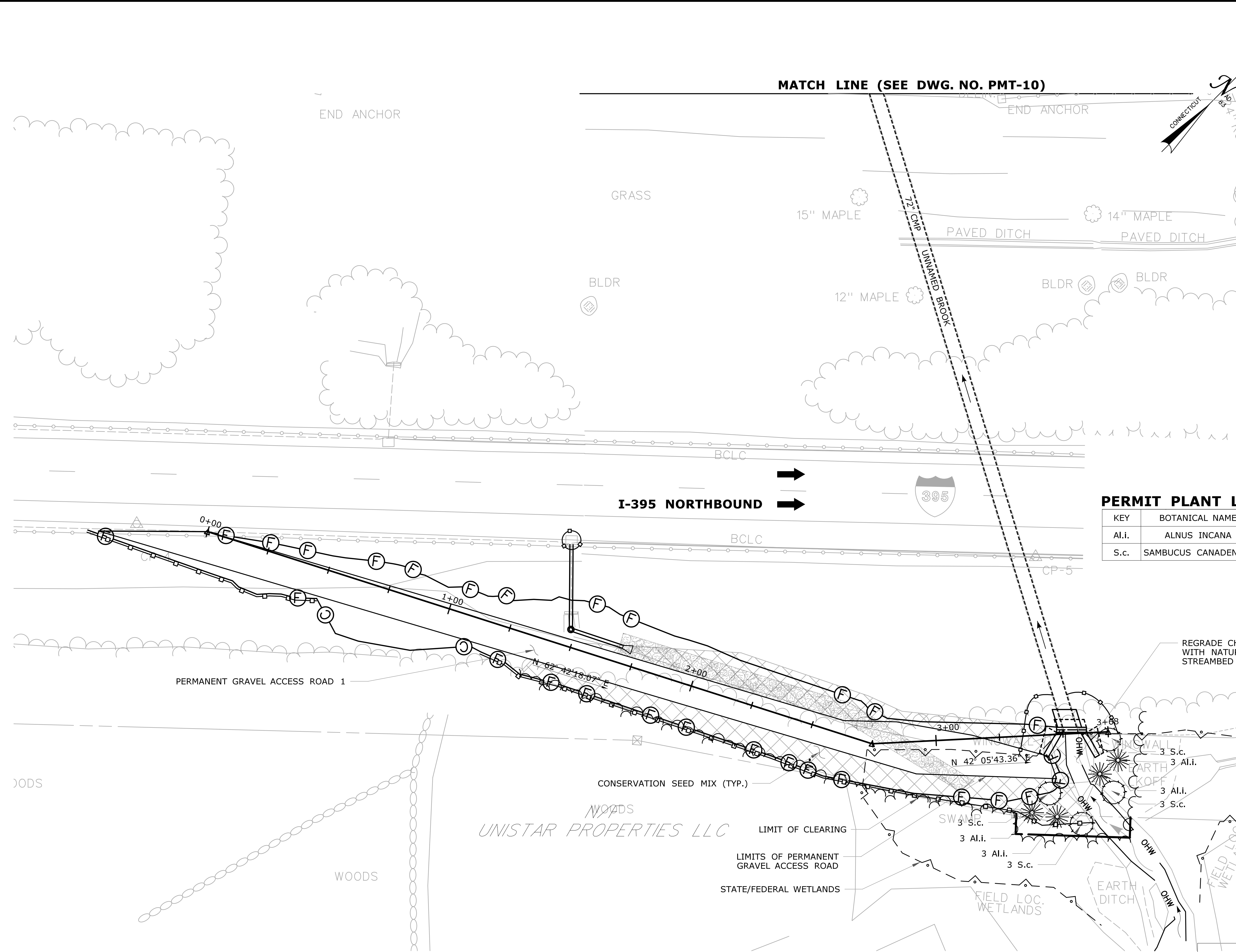
SIGNATURE/BLOCK:

 GM2 ASSOCIATES, INC.
 115 GLASTONBURY BLVD.
 GLASTONBURY, CT 06033

PROJECT TITLE:
**REHABILITATION OF
 BRIDGE NO. 06794 I-395 OVER
 UNNAMED BROOK**

TOWN: **THOMPSON**
 DRAWING TITLE:
MISCELLANEOUS DETAILS

PROJECT NO. **141-154**
 DRAWING NO. **PMT-08**
 SHEET NO.






- NOTES:**
1. PLANTINGS ON THE SHEET ARE FOR ENVIRONMENTAL PERMITTING. ANY CHANGES TO PERMIT SHALL BE COORDINATED WITH THE DEPARTMENT'S OFFICE OF ENVIRONMENTAL PLANNING.
 2. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
 3. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH A WETLAND SEED MIX. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE COVERED WITH A WOOD CHIP MULCH OR A CONSERVATIVE SEED MIX. ALL DISTURBED AREAS SHALL BE RESTORED.
 4. SEE ITEM #0952041A - CONTROL AND REMOVAL OF INVASIVE VEGETATION FOR FURTHER INFORMATION.

PERMIT PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	SPACING
Al.i.	ALNUS INCANA	SPECKLED ALDER	18"-24" HT B.B.	12 EA.	FIELD LOCATE
S.c.	SAMBUCUS CANADENSIS	COMMON ELDERBERRY	18"-24" HT CONTAINER	12 EA.	FIELD LOCATE

LEGEND:

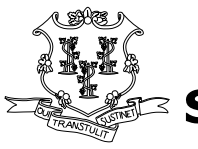

-  CONTROL AND REMOVAL OF INVASIVE VEGETATION
-  3 SPECKLED ALDER TO BE PLANTED
-  3 COMMON ELDERBERRY TO BE PLANTED

ENVIRONMENTAL PERMIT PLANS - 11/12/19

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/4/2019


DESIGNER/DRAFTER:
SKS
CHECKED BY:
PB
SCALE IN FEET
0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...VHW_MSH_141_154_PLN_1_REST.dgn

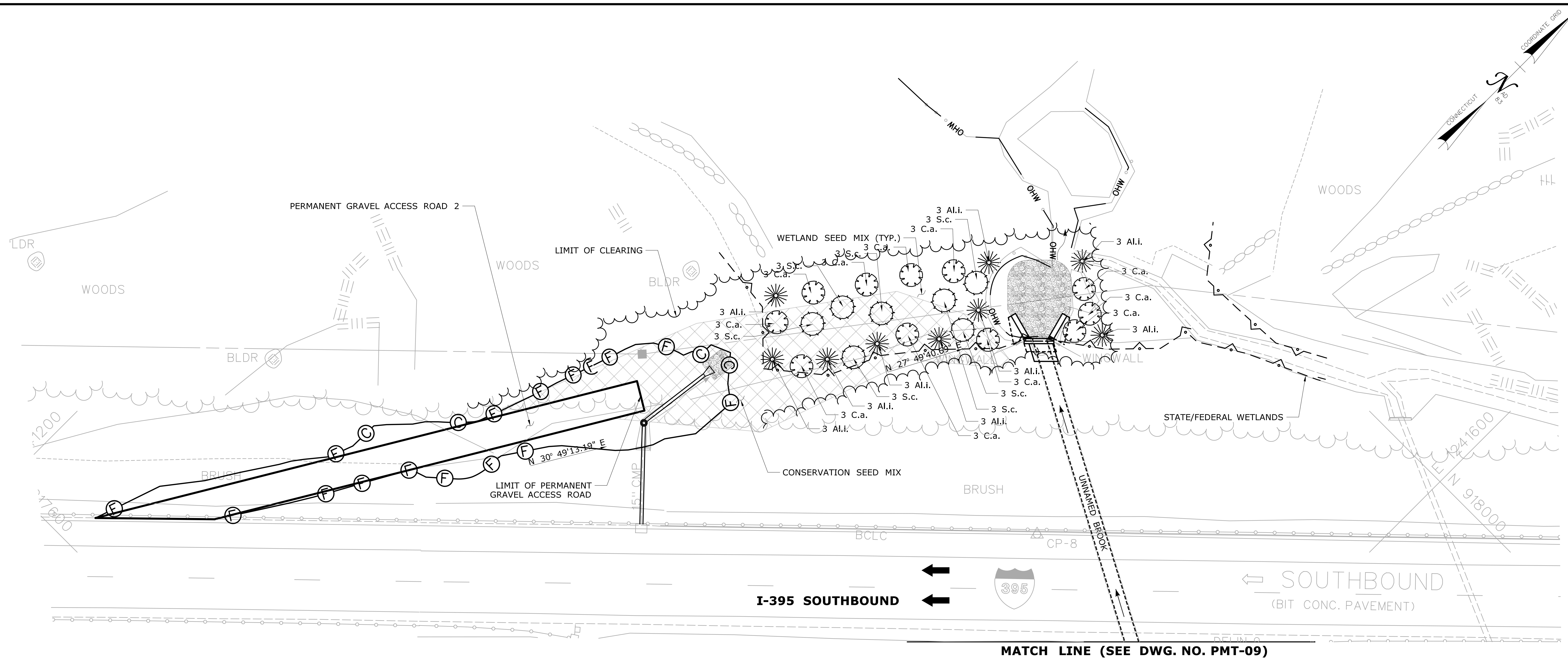
SIGNATURE/BLOCK:
GMR ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06030
BLOCK:



PROJECT TITLE:
**REHABILITATION OF
BRIDGE NO. 06794 I-395 OVER
UNNAMED BROOK**

TOWN:
THOMPSON
DRAWING TITLE:
**RESTORATION PLANTING
PLAN ACCESS ROAD 1**

PROJECT NO.
141-154
DRAWING NO.
PMT-09
SHEET NO.



NOTES:

1. PLANTINGS ON THE SHEET ARE FOR ENVIRONMENTAL PERMITTING. ANY CHANGES TO PERMIT SHALL BE COORDINATED WITH THE DEPARTMENT'S OFFICE OF ENVIRONMENTAL PLANNING.
2. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
3. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH A WETLAND SEED MIX. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE COVERED WITH A WOOD CHIP MULCH OR A CONSERVATIVE SEED MIX. ALL DISTURBED AREAS SHALL BE RESTORED.
4. SEE ITEM #0952041A - CONTROL AND REMOVAL OF INVASIVE VEGETATION FOR FURTHER INFORMATION.

PERMIT PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	SPACING
C.a.	CORNUS AMOMUM	SILKY DOGWOOD	18"-24" HT CONTAINER	33 EA.	FIELD LOCATE
Al.i.	ALNUS INCANA	SPECKLED ALDER	18"-24" B.B.	27 EA.	FIELD LOCATE
S.c.	SAMBUCUS CANADENSIS	COMMON ELDERBERRY	18"-24" HT CONTAINER	21 EA.	FIELD LOCATE

LEGEND:

- LIMITS OF INVASIVE SPECIES REMOVAL
- 3 SILKY DOGWOOD TO BE PLANTED
- 3 SPECKLED ALDER TO BE PLANTED
- 3 COMMON ELDERBERRY TO BE PLANTED

ENVIRONMENTAL PERMIT PLANS - 11/12/19

DESIGNER/DRAFTER: SKS	CHECKED BY: PB	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		SIGNATURE/ BLOCK:	 GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06030 BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06794 I-395 OVER UNNAMED BROOK	TOWN: THOMPSON
Plotted Date: 12/4/2019	SCALE IN FEET 0 20 40 SCALE 1"=20'	Filename: ...VHW_MSH_141_154_PLN_2_REST.dgn				DRAWING TITLE: RESTORATION PLANTING PLAN ACCESS ROAD 2	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PROJECT NO. 141-154	DRAWING NO. PMT-10	SHEET NO.	

Agenda Item I Reports

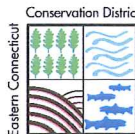
1 Budget & Expenditures

2 Wetlands Agent Report

Agenda Item J
Correspondence

EASTERN CONNECTICUT CONSERVATION DISTRICT, INC.

238 West Town Street
Norwich, CT 06360-2111
860-319-8806



139 Wolf Den Road
Brooklyn, CT 06234
860-774-9600

www.ConserveCT.org/eastern

BOARD of
DIRECTORS

October 27, 2020

OFFICERS

Philip Thomas, Chair, Conservation Commission
Town of Thompson
P.O. Box 899
North Grosvenordale, CT 06255

William Jorsz
Chair
Sprague

Sherwood Raymond
Vice Chair
Norwich

Paul Shaffer
Treasurer
Norwich

Dear Mr. Thomas:

On behalf of the Eastern Connecticut Conservation District, Inc., I am writing to request Thompson's annual support in the amount of \$1,000.00 in your next budget. Attached are a copy of our 2019-20 Annual Report and current year operating budget.

Leonora Szruba
Secretary
Lisbon

As highlighted in our Annual Report, ECCD responded to over many inquiries from municipalities and residents within our 36-town District. These services are not covered by contracted services. In order to continue many of our technical assistance and educational outreach programs, we are required to seek additional sources of funding.

DIRECTORS

Gwen Haaland
Ashford

Charlie Hobbs
Ledyard

ECCD works in eastern CT from the Massachusetts border to the coastal towns along Long Island Sound. ECCD's primary focus is to improve water quality by reducing nonpoint source pollution. Improving water quality generally improves our drinking water and local waterbodies for swimming, fishing and recreation. Additionally, the work we do improves the water quality of the beaches and coastal embayments in southeast Connecticut, which is important for summer recreation and shellfishing.

Cindy Wright-Jones
Pomfret Center

Susan Manning
Griswold

Jimmy Moran
North Stonington

Support from Thompson would serve to enhance the number of people we can provide continuing natural resource conservation services for throughout eastern Connecticut. Awareness and action continue to grow, as more and more people strive to practice sound conservation measures for their towns and properties.

Cathy Osten
Sprague

Matt Peckham
Woodstock

ALTERNATES

Michelle Maitland
Town of Groton

Lydia Pan
Mystic

We encourage you to read through our Annual Report and visit our website at www.ConserveCT.org/eastern to learn more about our non-profit organization.

If you have any questions or require any additional documentation, please contact our Office Manager, Francine Brodeur, at 860-319-8806 or at Francine.eccd@comcast.net. Thank you for your consideration of our request.

Warren Swanson
Waterford

Sincerely,

A handwritten signature in black ink, appearing to read "William A. Jorsz".

William A. Jorsz
Chair

Enc.: 1 packet

Agenda Item K
Signing of Mylars

Agenda Item L
Comments by Commissioners

Agenda Item M
Adjournment