

**AUGUST 21, 2018
(REVISED NOVEMBER 5, 2019)**

**CEDAR LAKE DAM (#16603)
(CT DAM #16603)
DAM & ROADWAY IMPROVEMENTS**

**NORTH STREET
WOLCOTT, CONNECTICUT**

HRP PROJECT NO. WOL2026.CE

Prepared By:



Prepared For:

Mark Possidento, P.E., Town Engineer
Town of Wolcott
1 Kenea Street
Wolcott, CT



SHEET INDEX			
SHEET	TITLE / DESCRIPTION	CREATED	REVISED
	TITLE SHEET	08/21/2018	11/05/2019
GN-1	GENERAL NOTES	06/14/2019	11/05/2019
SHEET 1 OF 1	SURVEY OF EXISTING CONDITIONS	07/13/2012	
C1.1	SITE PLAN - REMOVAL	08/21/2018	06/18/2019
C1.2	SITE PLAN - LAYOUT	08/21/2018	11/05/2019
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C3.1	SOIL EROSION AND SEDIMENT CONTROL PLAN	08/21/2018	09/18/2019
C3.2	SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES AND DETAILS	08/21/2018	06/18/2019
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C4.2	DETAILS	08/21/2018	11/05/2019
C4.3	DETAILS	08/21/2018	09/18/2019
C4.4	DETAILS	08/21/2018	11/05/2019

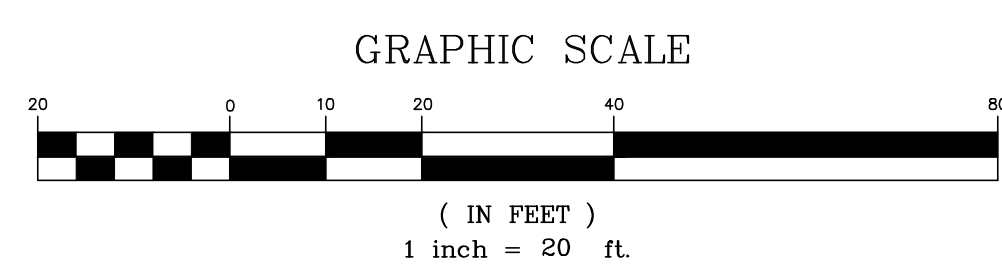
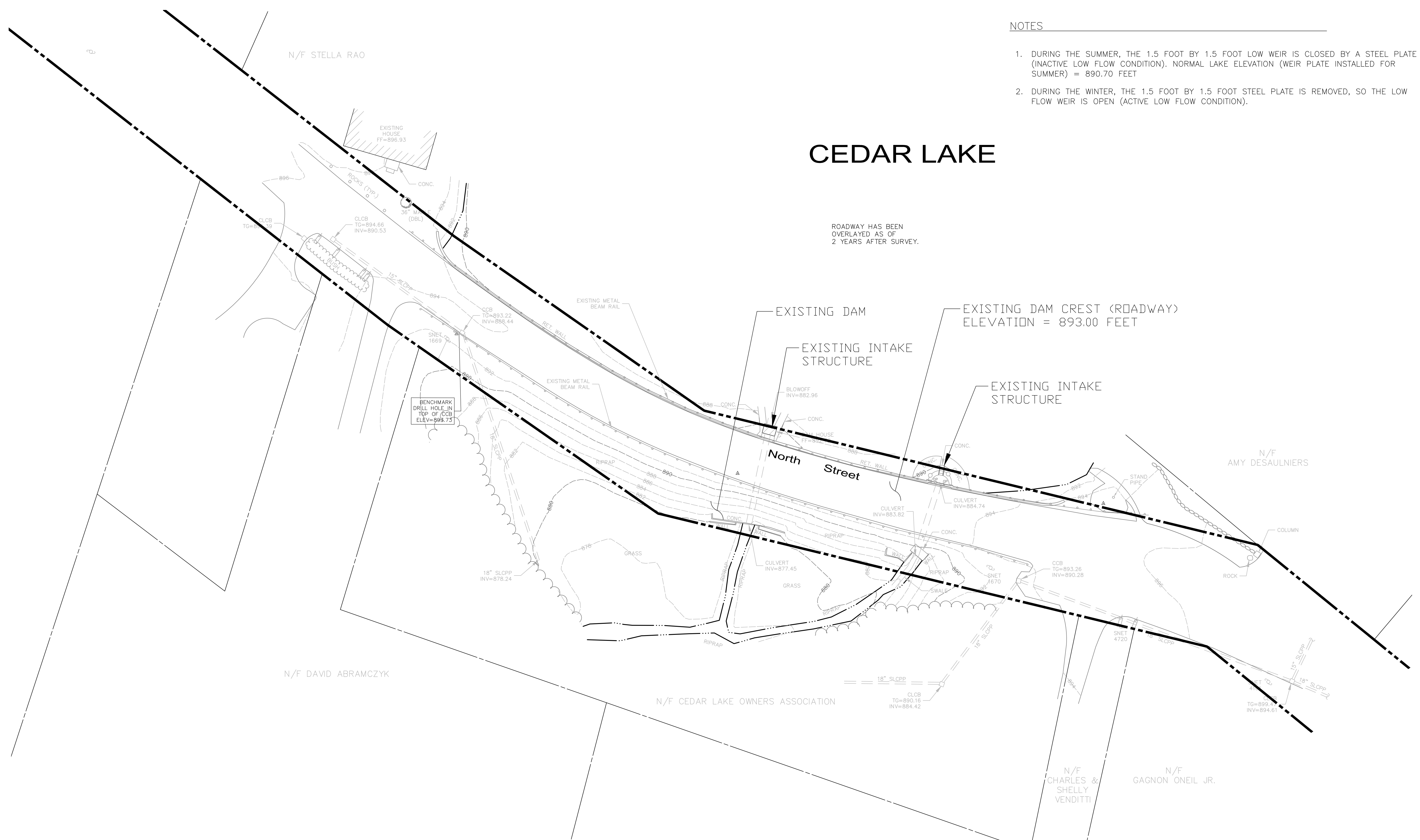
NOTES

1. DURING THE SUMMER, THE 1.5 FOOT BY 1.5 FOOT LOW WEIR IS CLOSED BY A STEEL PLATE (INACTIVE LOW FLOW CONDITION). NORMAL LAKE ELEVATION (WEIR PLATE INSTALLED FOR SUMMER) = 890.70 FEET
2. DURING THE WINTER, THE 1.5 FOOT BY 1.5 FOOT STEEL PLATE IS REMOVED, SO THE LOW FLOW WEIR IS OPEN (ACTIVE LOW FLOW CONDITION).



CEDAR LAKE

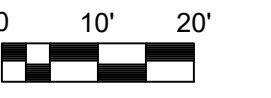
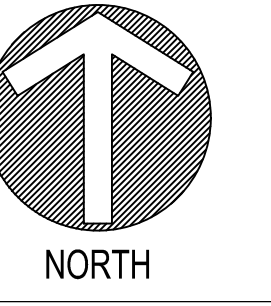
ROADWAY HAS BEEN OVERLAYED AS OF 2 YEARS AFTER SURVEY.



REVISIONS

NO.	DATE	DESCRIPTION

EXISTING CONDITIONS SURVEY			
NORTH STREET AT CEDAR LAKE DAM WOLCOTT, CONNECTICUT			
HRP Associates, Inc. <small>Environmental Civil Engineering & Hydrogeology</small> <i>Creating the Right Solutions Together</i> Connecticut, New York, Pennsylvania, South Carolina 197 Scott Swamp Road Farmington, Connecticut 06032 Ph: (860)674-9570 Fax: (860)674-9824 www.hrpassociates.com	FMS/DFH SURVEYED	FMS APPROVED	1" = 20' SCALE
	FMS DRAWN	DATE	JULY 13, 2012
FMS CHECKED	PROJECT NO.	WOL2008.CE	1 of 1 SHEET NO.



REVISIONS	
NO.	DATE / DESCRIPTION
1	01/14/2018 / REVISED PER DEEP COMMENTS
2	06/18/2019 / REVISED PER DEEP COMMENTS

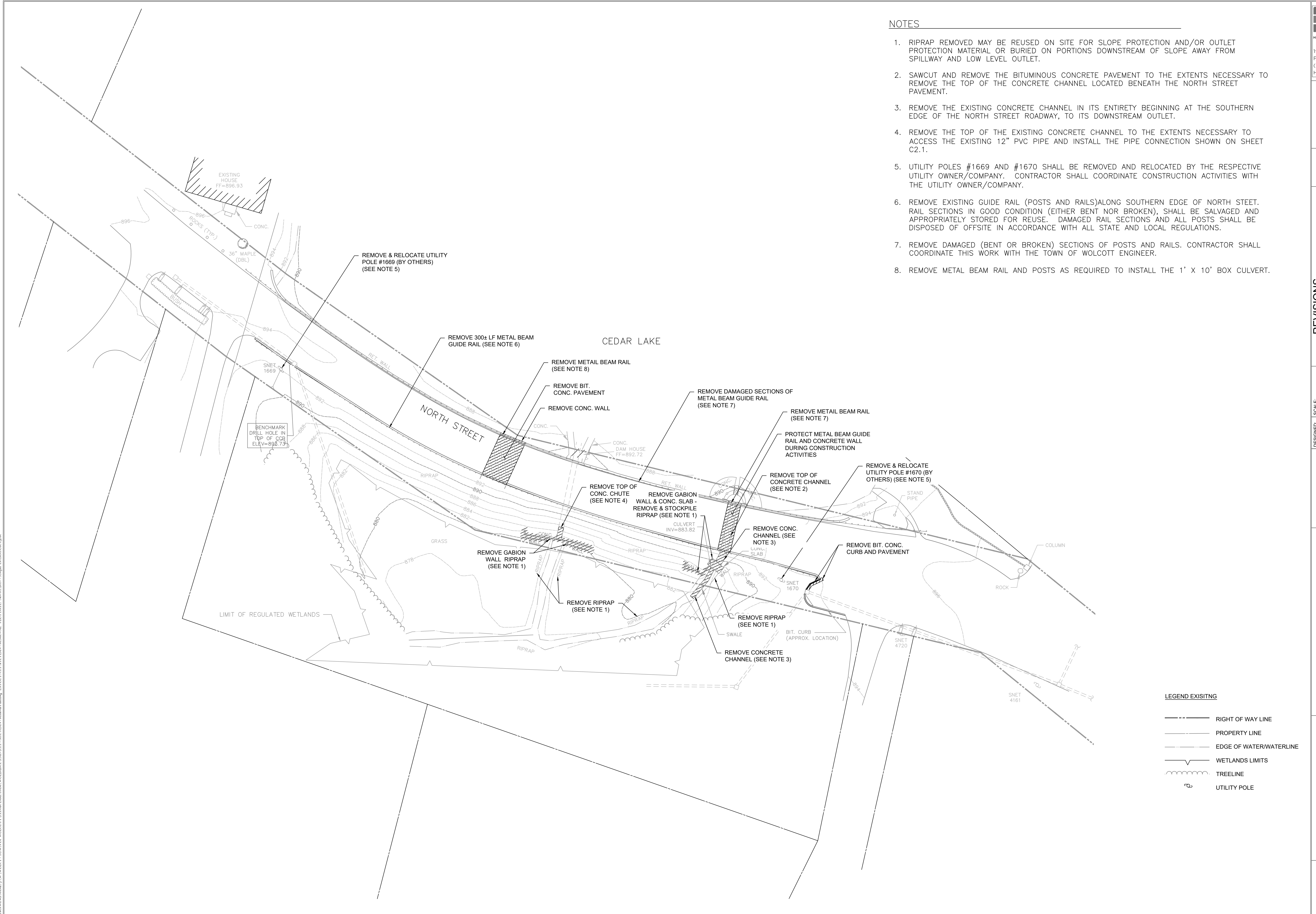
DESIGNED:	JAS/EJD	SCALE:	1" = 20'
DRAWN:	JAS/EJD	ISSUE DATE:	08/21/2018
REVIEWED:	DML	PROJECT NUMBER:	WOL2026/CE
APPROVED:	TRB	SHEET NUMBER:	24"x36"



CEDAR LAKE DAM (#16603)
DAM & ROADWAY IMPROVEMENTS
TOWN OF WOLCOTT
10 KENEVA AVENUE
WOLCOTT, CONNECTICUT

**SITE PLAN -
REMOVAL**

SHEET NO.
C1.1
SHEET 04 OF 12



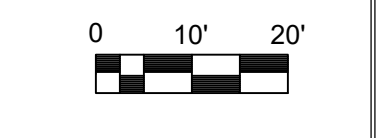
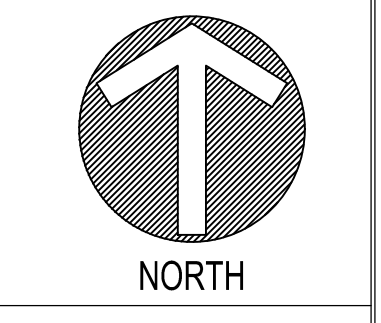
NOTES

- RIPRAP REMOVED MAY BE REUSED ON SITE FOR SLOPE PROTECTION AND/OR OUTLET PROTECTION MATERIAL OR BURIED ON PORTIONS DOWNSTREAM OF SLOPE AWAY FROM SPILLWAY AND LOW LEVEL OUTLET.
- SAWCUT AND REMOVE THE BITUMINOUS CONCRETE PAVEMENT TO THE EXTENTS NECESSARY TO REMOVE THE TOP OF THE CONCRETE CHANNEL LOCATED BENEATH THE NORTH STREET PAVEMENT.
- REMOVE THE EXISTING CONCRETE CHANNEL IN ITS ENTIRETY BEGINNING AT THE SOUTHERN EDGE OF THE NORTH STREET ROADWAY, TO ITS DOWNSTREAM OUTLET.
- REMOVE THE TOP OF THE EXISTING CONCRETE CHANNEL TO THE EXTENTS NECESSARY TO ACCESS THE EXISTING 12" PVC PIPE AND INSTALL THE PIPE CONNECTION SHOWN ON SHEET C2.1.
- UTILITY POLES #1669 AND #1670 SHALL BE REMOVED AND RELOCATED BY THE RESPECTIVE UTILITY OWNER/COMPANY. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY OWNER/COMPANY.
- REMOVE EXISTING GUIDE RAIL (POSTS AND RAILS) ALONG SOUTHERN EDGE OF NORTH STREET. RAIL SECTIONS IN GOOD CONDITION (EITHER BENT NOR BROKEN), SHALL BE SALVAGED AND APPROPRIATELY STORED FOR REUSE. DAMAGED RAIL SECTIONS AND ALL POSTS SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
- REMOVE DAMAGED (BENT OR BROKEN) SECTIONS OF POSTS AND RAILS. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE TOWN OF WOLCOTT ENGINEER.
- REMOVE METAL BEAM RAIL AND POSTS AS REQUIRED TO INSTALL THE 1' X 10' BOX CULVERT.

LEGEND EXISTING

----	RIGHT OF WAY LINE
----	PROPERTY LINE
----	EDGE OF WATER/WATERLINE
~ ~ ~	WETLANDS LIMITS
	TREELINE
○	UTILITY POLE

DRAWING NAME: J:\WOLCOTT - TOWN OF WOLCOTT\CEILING LAMP DAM\WOLCOTT\CONV.C1 - SITE PLAN - Removal\Drawing - J:\WOLCOTT - TOWN OF WOLCOTT\CEILING LAMP DAM\WOLCOTT\CONV.C1 - SITE PLAN - Removal\Drawing - J:\WOLCOTT - TOWN OF WOLCOTT\CEILING LAMP DAM\WOLCOTT\CONV.C1 - SITE PLAN - Removal\Drawing - J:\WOLCOTT - TOWN OF WOLCOTT\CEILING LAMP DAM\WOLCOTT\CONV.C1 - SITE PLAN - Removal\Drawing

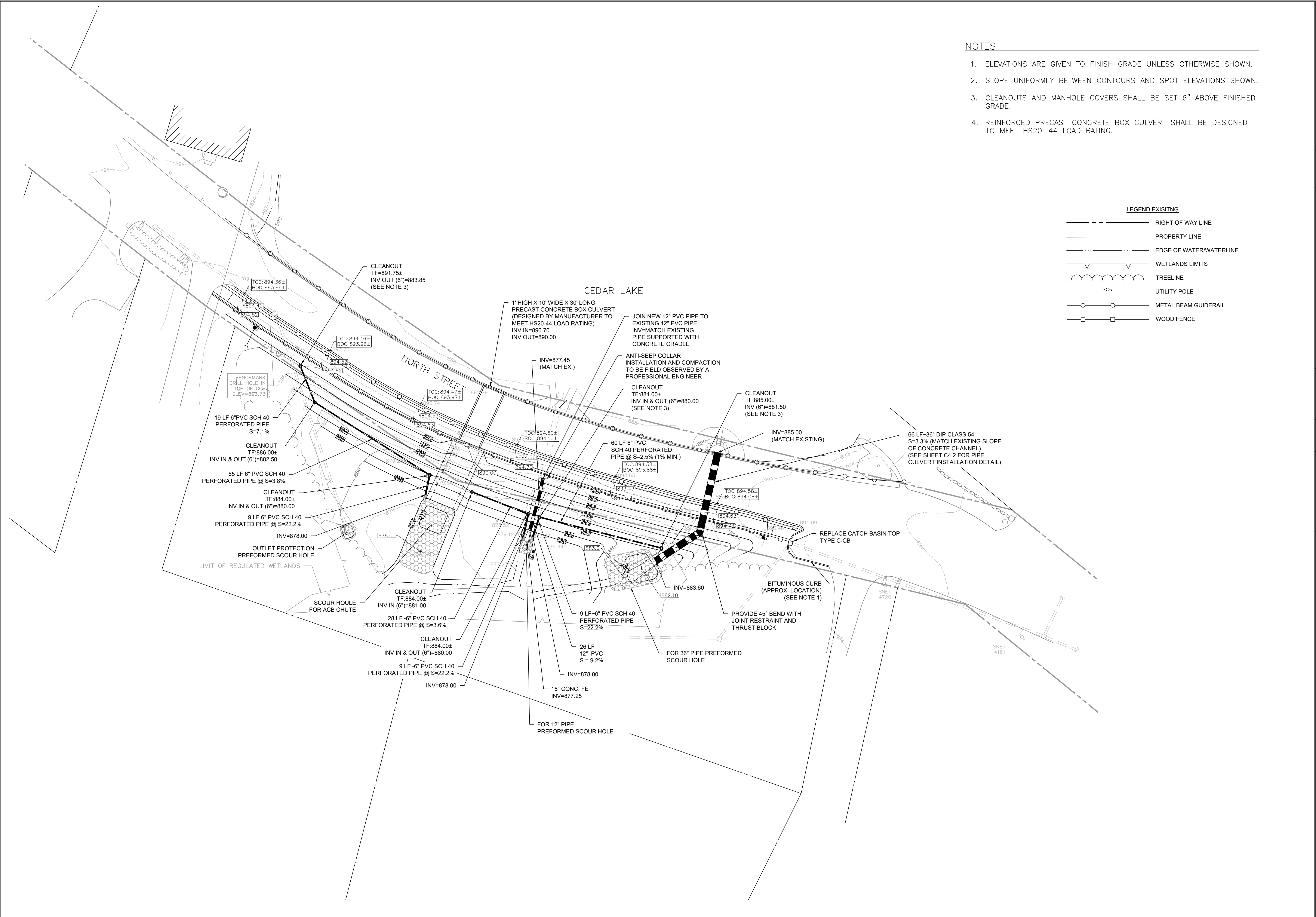


NOTES

- ELEVATIONS ARE GIVEN TO FINISH GRADE UNLESS OTHERWISE SHOWN.
- SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
- CLEANOUTS AND MANHOLE COVERS SHALL BE SET 6" ABOVE FINISHED GRADE.
- REINFORCED PRECAST CONCRETE BOX CULVERT SHALL BE DESIGNED TO MEET HS20-44 LOAD RATING.

LEGEND EXISTING

	RIGHT OF WAY LINE
	PROPERTY LINE
	EDGE OF WATER/WATERLINE
	WETLANDS LIMITS
	TREELINE
	UTILITY POLE
	METAL BEAM GUIDERAIL
	WOOD FENCE



REVISIONS

NO.	DATE	DESCRIPTION
1	01/14/2018	REVISED PER DEEP COMMENTS
2	06/18/2019	REVISED PER DEEP COMMENTS
3	09/18/2019	REVISED PER DEEP COMMENTS
4	11/05/2019	REVISED PER DEEP COMMENTS

DESIGNED:	JAS/EJD	SCALE:	1" = 20'
DRAWN:	JAS/EJD	ISSUE DATE:	08/21/2018
REVIEWED:	DWL	PROJECT NUMBER:	WOL2026 CE
APPROVED:	TRB	SHEET SIZE:	24"X36"



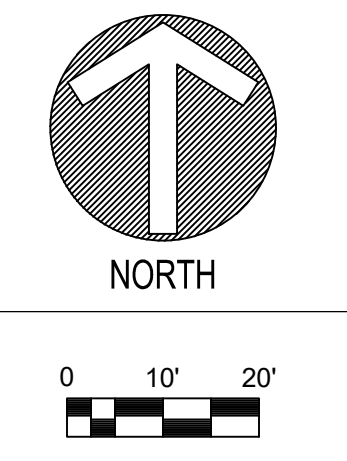
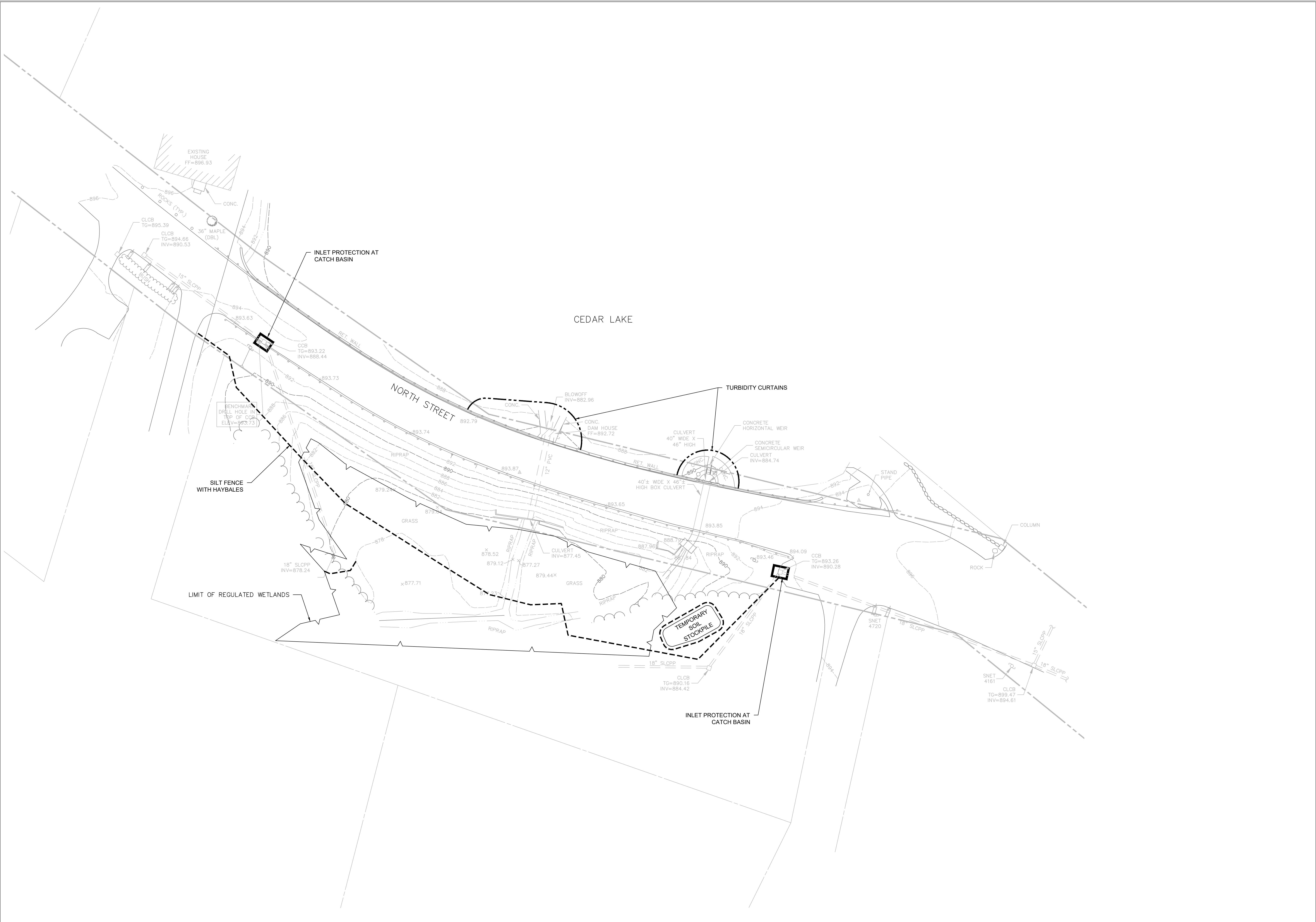
**CEDAR LAKE DAM (#16603)
 DAM & ROADWAY IMPROVEMENTS
 TOWN OF WOLCOTT
 10 KENEA AVENUE
 WOLCOTT, CONNECTICUT**

**GRADING &
 DRAINAGE PLAN**

SHEET NO.
C2.1
 SHEET 06 OF 12

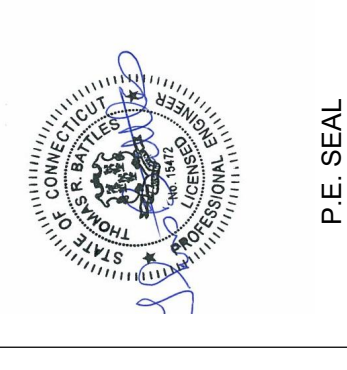
P:\WORKSPACE\11\WOLCOTT_TOWN_OF_WOLCOTT_CEDAR_LAKE_DAM_IMPROVEMENTS\PROJECT\GRADES\AND_DRAINAGE\PLAN\LAYOUT\C2.1_GRADES_AND_DRAINAGE_PLAN.dwg PLOT DATE: Nov 05, 2018 1:50pm AREA: 100.00

DRAWINGNAME: J:\WORK\CT - TOWN OF WOLCOTT\CEDAR LAKE DAM\WOLCOTT\CONTRACT\CONTRACT PLAN - EROSION AND SEDIMENT CONTROL PLAN - PLOT DATE: Nov 08, 2019 - 10:46am OPERATOR: JBR



REVISIONS		
NO.	DATE	DESCRIPTION
1	01/18/2018	REVISED PER DEEP COMMENTS
2	05/18/2019	REVISED PER DEEP COMMENTS
3	09/18/2019	REVISED PER DEEP COMMENTS

DESIGNED: SCALE: 1" = 20'
 JAS/EJD
 DRAWN: JAS/EJD
 ISSUE DATE: 08/21/2018
 PROJECT NUMBER: WOL2026 CE
 REVIEWED: DML
 APPROVED: TRB



CEDAR LAKE DAM (#16603)
 DAM & ROADWAY IMPROVEMENTS
 TOWN OF WOLCOTT
 10 KENEA AVENUE
 WOLCOTT, CONNECTICUT

SOIL EROSION AND SEDIMENT CONTROL PLAN

SEDIMENTATION AND EROSION CONTROL PLAN

GENERAL

THE PLAN PROPOSES EROSION CONTROL MEASURES TO ADEQUATELY CONTROL ACCELERATED EROSION AND SEDIMENTATION AND REDUCE THE DANGER FROM STORM WATER RUNOFF AT THE SITE. THE RUNOFF SHALL BE CONTROLLED BY THE INTERCEPTION, DIVERSION, AND SAFE DISPOSAL OF PRECIPITATION. RUNOFF SHALL ALSO BE CONTROLLED BY STAGING CONSTRUCTION ACTIVITY AND PRESERVING NATURAL VEGETATION WHENEVER POSSIBLE.

EXISTING VEGETATION SHALL BE PROTECTED AND ONLY THAT CLEARING AND GRUBBING ABSOLUTELY NECESSARY FOR THE PROPOSED CONSTRUCTION SHALL BE PERFORMED. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CONTOUR, UNLESS OTHERWISE INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE A SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE FOLLOWING GUIDELINES.

REFERENCE IS MADE TO THE 2002 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", AS AMENDED. THE GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT, AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

SEDIMENTATION CONTROL

ALL AREAS SHALL BE PROTECTED FROM SEDIMENTATION DURING AND AFTER CONSTRUCTION. PARTICULARLY THE STORAGE OF EXCAVATED OR STOCKPILED MATERIAL. THE CONTRACTOR SHALL CAREFULLY STRIP ALL TOPSOIL, LOAM, OR ORGANIC MATTER PRIOR TO TRENCHING OR OTHER OPERATION, AND SHALL STORE THEM SEPARATELY FROM ALL OTHER MATERIALS DURING EXCAVATION. EACH STOCKPILE MUST BE ADEQUATELY RINGED WITH SEDIMENT CONTROL MATERIAL (I.E. HAY BALES AND/OR GEOTEXTILE).

STABILIZING OF SLOPES SHALL BE DONE IMMEDIATELY AFTER CONSTRUCTION OF SLOPES. SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH JUTE MESH EROSION PROTECTION. ALL OTHER AREAS SHALL BE MULCHED WITH HAY OR STRAW AS REQUIRED UNDER TURF ESTABLISHMENT.

EROSION CONTROL PLAN

SEDIMENTATION CONTROL SYSTEM - THE SEDIMENTATION CONTROL SYSTEM SHALL CONSIST OF GEOTEXTILE BARRIER FENCE OR STACKED HAY BALES AND SILT SACKS AT CATCH BASINS.

GEOTEXTILE BARRIER FENCE - THE SEDIMENTATION CONTROL SYSTEM SHALL BE INSTALLED IMMEDIATELY AFTER A CUT SLOPE HAS BEEN GRADED, BEFORE A FILL SLOPE HAS BEEN CREATED AND AS INDICATED ON THE PLANS. THE SYSTEM IS DESIGNED TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE WETLAND AREAS, OR WATERCOURSES. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FOR THE UPSTREAM SIDE OF THE FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE SEDIMENTATION CONTROL SYSTEM AREAS IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE SYSTEM IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

STACKED HAY BALES - HAY OR STRAW BALES USED FOR EROSION CONTROL SHALL BE PLACED AS INDICATED ON THE PLANS, STACKED AT CATCH BASINS WHERE SEDIMENT MAY ENTER THE CATCH BASINS, OR AS DIRECTED BY THE RESIDENT ENGINEER. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE EROSION CHECKS. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE BUILT OR PAVED ON. HAY OR STRAW BALES ARE TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. EROSION CHECKS ARE TO REMAIN IN PLACE AND MAINTAINED TO ENSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

SILT SACKS - INSTALL AND MAINTAIN PER MANUFACTURER'S RECOMMENDATIONS.

IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION, AND DISTURBANCE OF THE SOIL, IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

DURING CONSTRUCTION, AS SMALL AN AREA OF SOIL AS POSSIBLE SHOULD BE EXPOSED FOR AS SHORT A TIME AS POSSIBLE. AFTER CONSTRUCTION, GRADE, RESPREAD TOPSOIL, AND STABILIZE SOIL BY SEEDING AND MULCHING SO AS TO PREVENT EROSION.

SEDIMENTATION AND EROSION CONTROL MAINTENANCE PROCEDURES

ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE INSPECTED DURING CONSTRUCTION ON A WEEKLY BASIS, AND FOLLOWING ALL STORMS, BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN AND MAKE REPAIRS AND REMOVE SEDIMENT AS REQUESTED BY THE ENGINEER. THIS WORK SHALL BE PERFORMED WITH 24 HOURS OF THE REQUEST AND THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK.

THE CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS FROM ALL DRAINAGE STRUCTURES AND PIPES AT THE COMPLETION OF CONSTRUCTION, AND AS REQUESTED BY THE ENGINEER TO KEEP THE SYSTEM FUNCTIONING PROPERLY DURING CONSTRUCTION. THE CONTRACTOR SHALL SWEEP ADJACENT ROADWAYS AS REQUIRED OR REQUESTED BY THE ENGINEER. FOLLOWING COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REPAIR ALL ERODED AREAS AND ENSURE A GOOD STAND OF TURF IS ESTABLISHED THROUGHOUT. THE CONTRACTOR SHALL REPAIR ALL ERODED OR DISPLACED RIPRAP, AND CLEAN SEDIMENT COVERED STONES.

SEEDING SCHEDULE

A TEMPORARY STAND OF GRASS AND/OR LEGUMES WILL BE PROVIDED ON ALL AREAS OF THE SITE EXPOSED FOR A PERIOD GREATER THAN 1 MONTH BUT LESS THAN 12 MONTHS. REFER TO FIGURE TS-2 IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL FOR TEMPORARY SEEDING RATES AND DATES.

PERMANENT SEEDING FOR ESTABLISHING VEGETATION ON DISTURBED AREAS IN NON-WETLAND AREAS SHALL USE EITHER OF THE FOLLOWING MIXTURES:

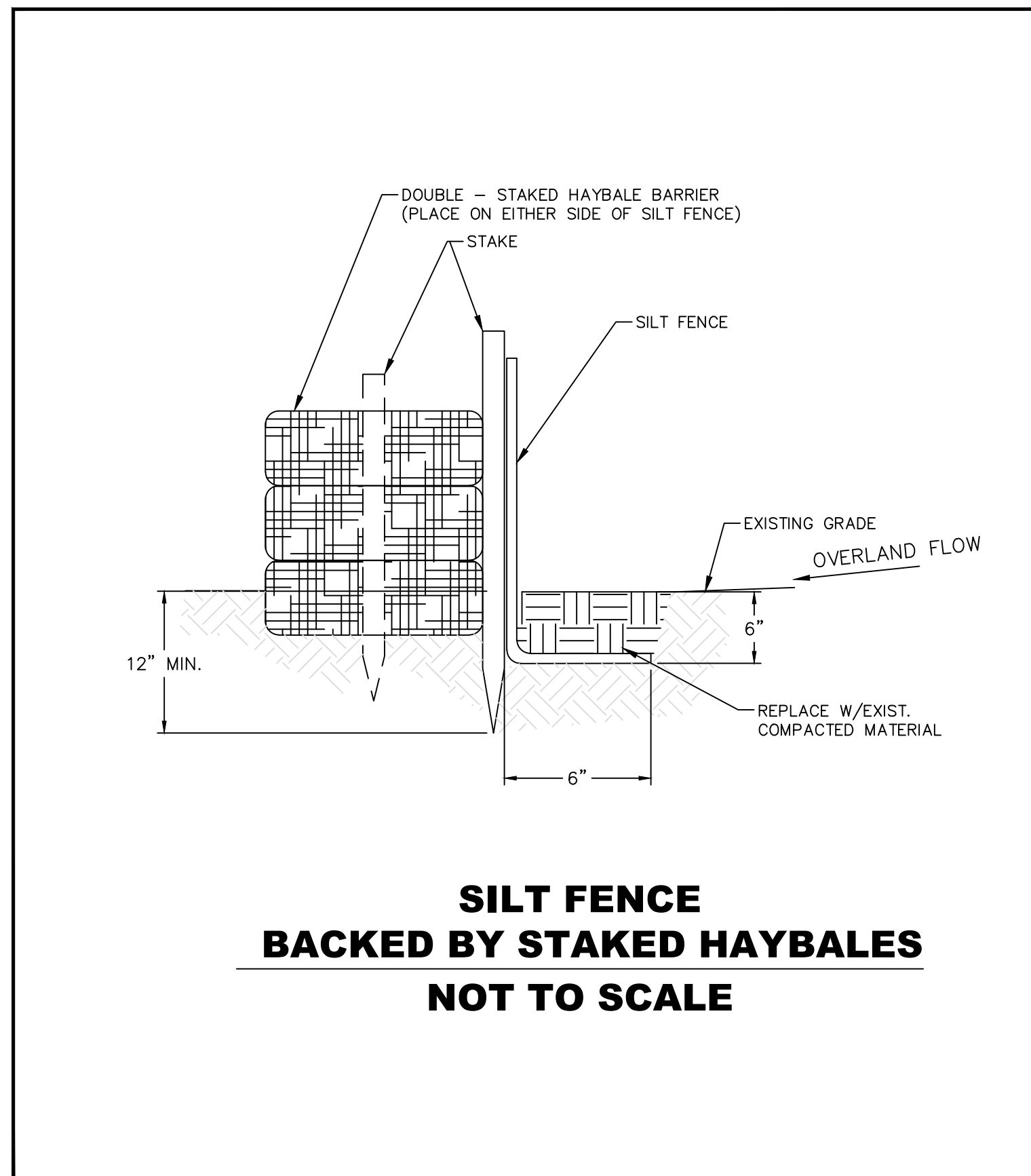
SEED MIXTURE #1	LBS./ACRE	LBS./1000 SF
KENTUCKY BLUEGRASS	20	0.45
CREeping RED FESCUE	20	0.45
(PENNLAWN, WINTERGREEN)		
PERENNIAL RYEGRASS	5	0.10
(NORLEA, MANHATTEN)	45	1.00
SEED MIXTURE #2	LBS./ACRE	LBS./1000 SF
CHEWINGS FESCUE	35	0.80
HARD FESCUE	30	0.70
COLONIAL BENTGRASS	5	0.10
BIRD'S-FOOT TREFOLI (EMPIRE, VIKING)	10	0.20
PERENNIAL RYEGRASS	20	0.50
	100	2.30

PERMANENT SEEDING FOR ESTABLISHING VEGETATION ON DISTURBED AREAS IN WETLAND AREAS SHALL USE THE FOLLOWING MIXTURE:

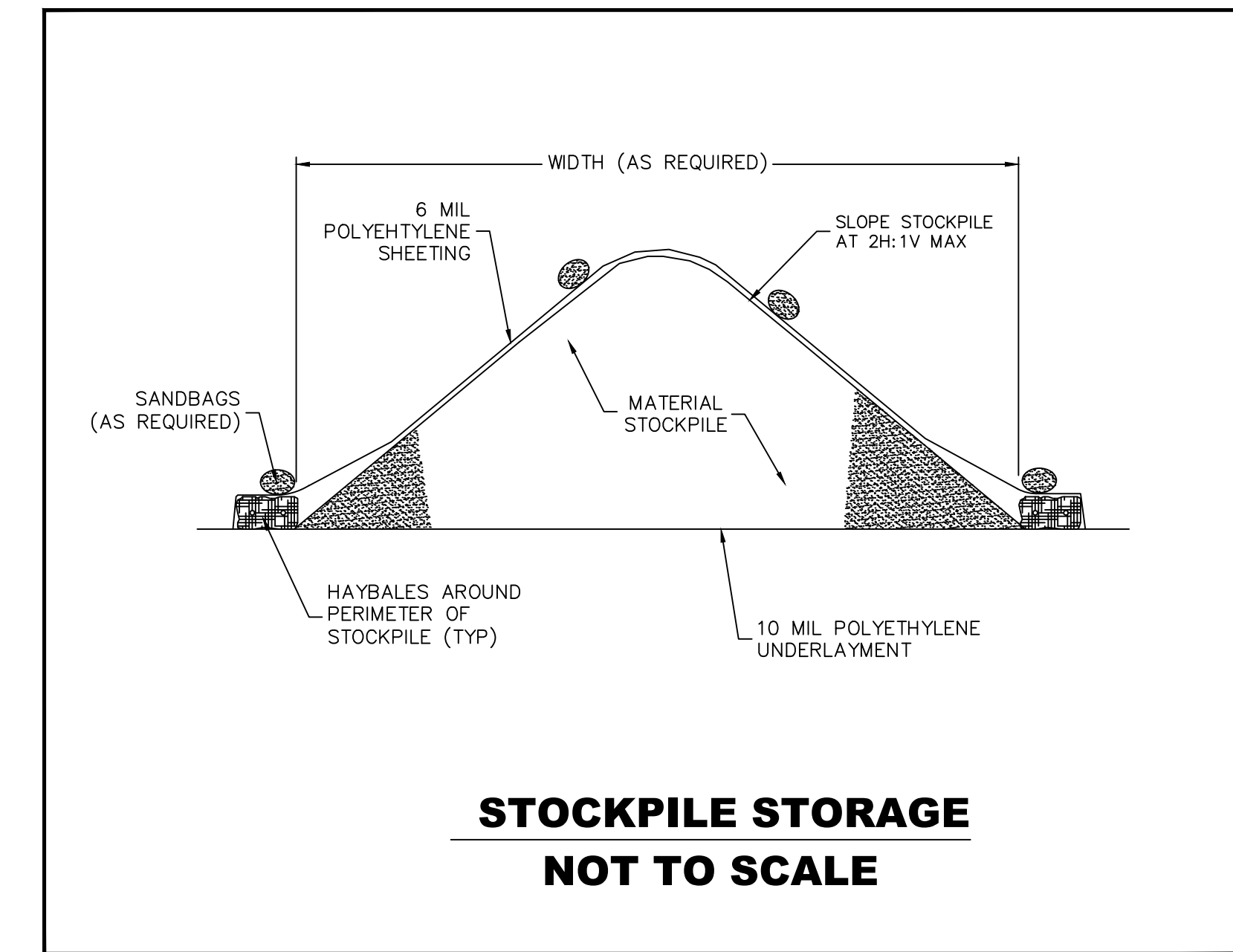
NEW ENGLAND CONSERVATION WILDLIFE MIX (NEW ENGLAND WETLAND PLANTS INC) SHOULD BE USED AT A RATE OF 25 LBS/ACRE OR 1.0LB / 1,750 SF

NEW ENGLAND CONSERVATION WILDLIFE MIX

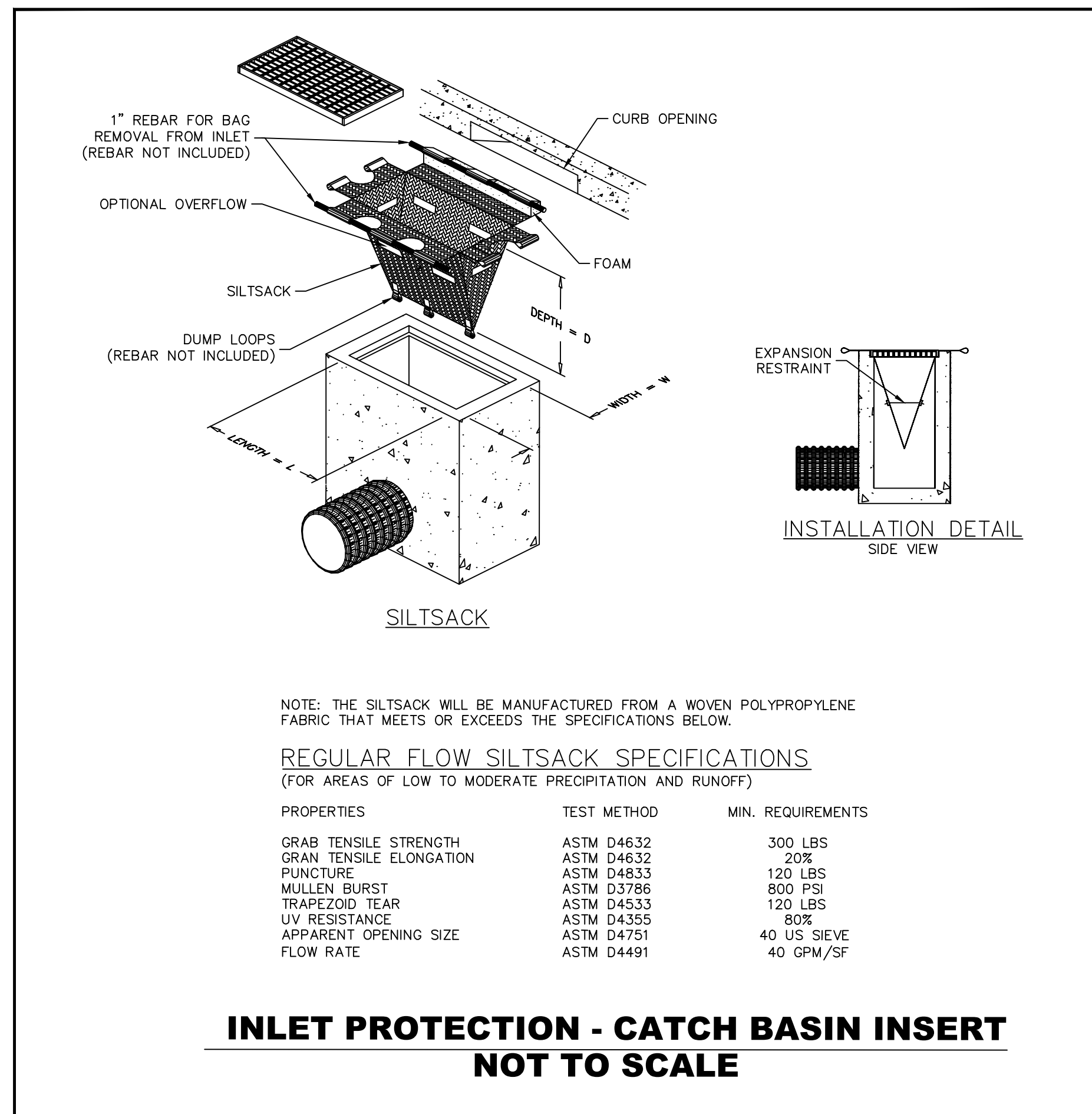
MIXTURE CONTAINS:	
BIG BLUESTEM	20%
LITTLE BLUESTEM	20%
SWITCHGRASS	20%
FOX SEDGE	10%
SILKY WILD RYE	8%
COMMON MILKWEED	5%
DEERTONGUE	5%
PENNSYLVANIA SMARTWEED	5%
PARTRIDGE PEA	4%
SILKY SMOOTH ASTER	1.5%
NODDING BUR-MARIGOLD	1.0%
FLAT TOP ASTER	0.5%
	100%



**SILT FENCE
BACKED BY STAKED HAYBALES
NOT TO SCALE**



**STOCKPILE STORAGE
NOT TO SCALE**



**INLET PROTECTION - CATCH BASIN INSERT
NOT TO SCALE**

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE SPECIFICATIONS BELOW.

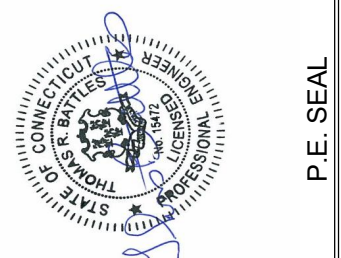
REGULAR FLOW SILTSACK SPECIFICATIONS (FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUNOFF)

PROPERTIES	TEST METHOD	MIN. REQUIREMENTS
GRAB TENSILE STRENGTH	ASTM D4632	300 LBS
GRAN TENSILE ELONGATION	ASTM D4632	20%
PUNCTURE	ASTM D4833	120 LBS
MULLEN BURST	ASTM D3786	800 PSI
TRAPEZOID TEAR	ASTM D4533	120 LBS
UV RESISTANCE	ASTM D4355	80%
APPARENT OPENING SIZE	ASTM D4751	40 US SIEVE
FLOW RATE	ASTM D4491	40 GPM/SF

DRAWING NAME: TOWN OF WOLCOTT CEDAR LAKE DAM WOLCOTT ROAD WOLCOTT, CT DATE: 08/21/2018 LAYOUT: C3.2 SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES AND DETAILS: SHEET DATE: 08/21/2018 - 3:30pm OPERATOR: JHR

NO.	DATE	DESCRIPTION
1	07/14/2018	REVISED PER DEEP COMMENTS
2	08/18/2018	REVISED PER DEEP COMMENTS

DESIGNED:	SCALE:	AS NOTED
JAS/EJD		
DRAWN:	ISSUE DATE:	08/21/2018
JAS/EJD	PROJECT NUMBER:	WOL2028.0E
REVIEWED:	DML	
APPROVED:	TRB	24"x36"



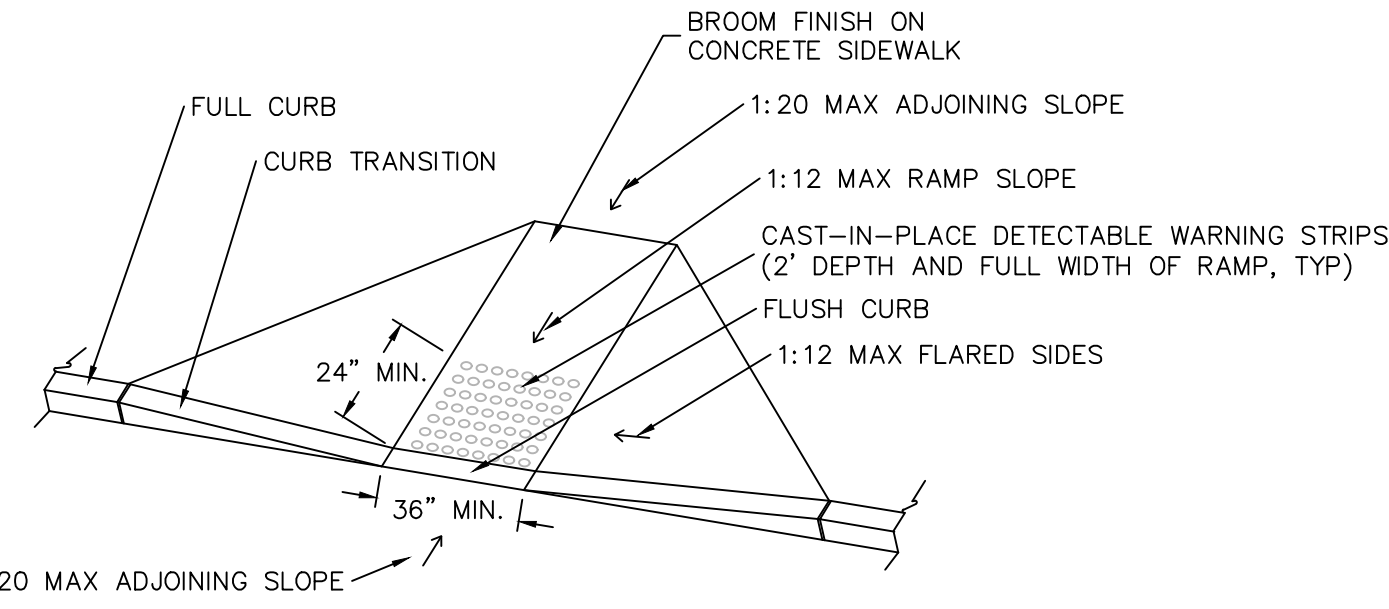
CEDAR LAKE DAM (#16603)
DAM & ROADWAY IMPROVEMENTS
TOWN OF WOLCOTT
10 KENEA AVENUE
WOLCOTT, CONNECTICUT

SOIL EROSION AND
SEDIMENT CONTROL
PLAN NOTES AND
DETAILS

SHEET NO.

C3.2

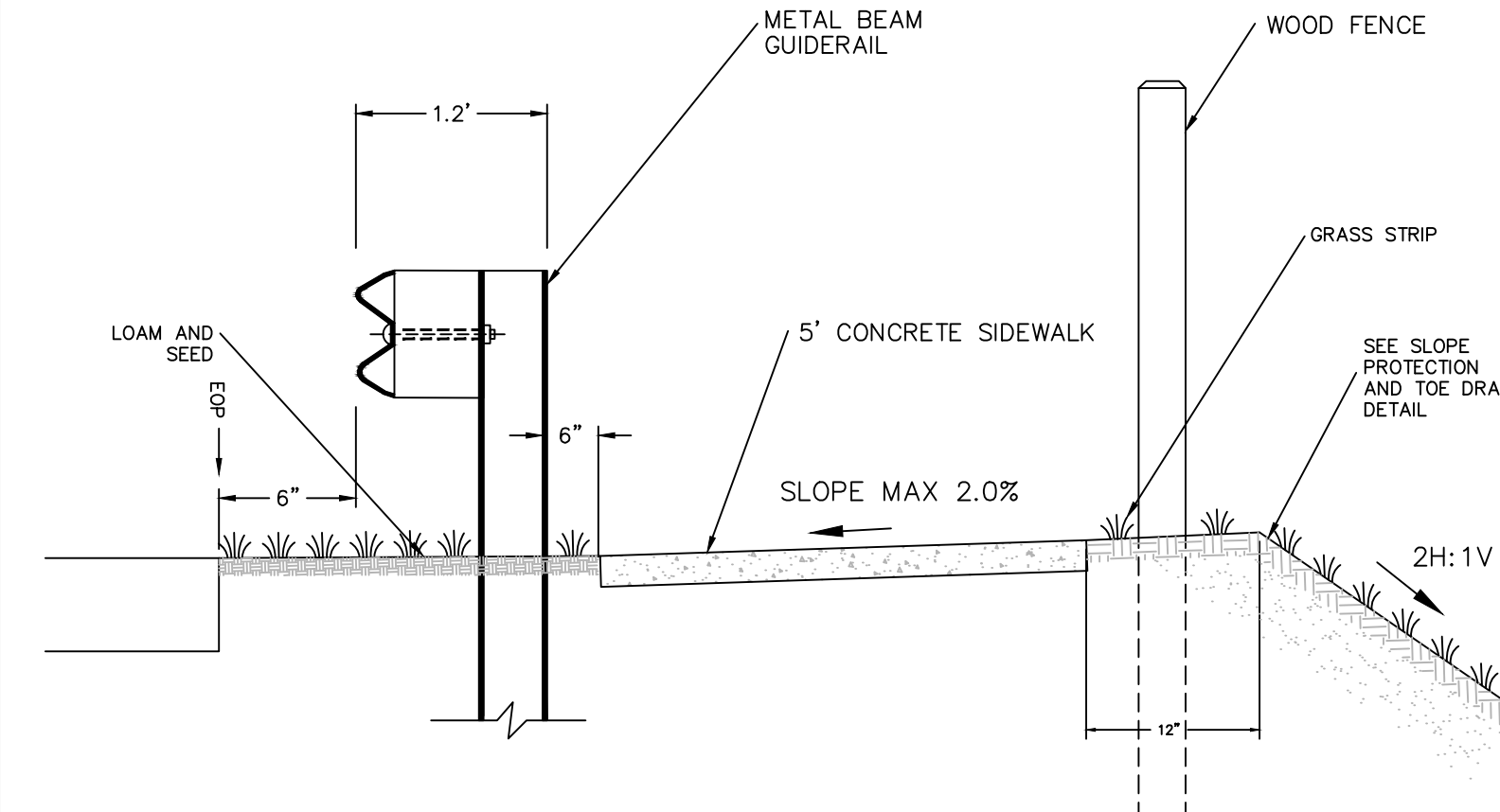
SHEET 08 OF 12



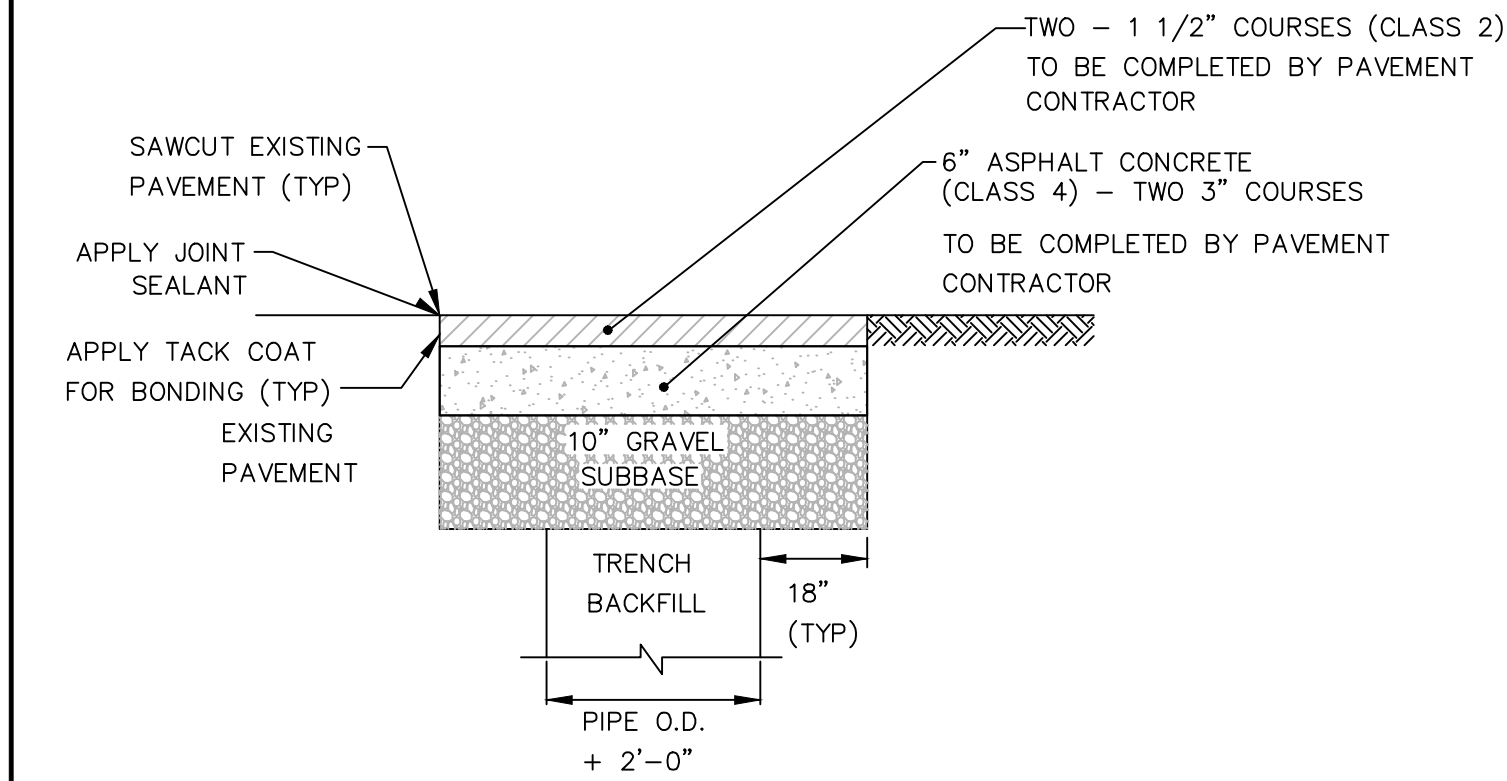
NOTES:

- CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES.
- THE BOTTOM OF THE RAMP SHALL MEET THE GUTTER LINE AT THE CURB FACE.
- DETAIL FOR SITE WORK RELATED TO SIDEWALKS.
- DETAIL MUST CONFORM TO STATE, CITY, AND ADA STANDARDS WHERE APPLICABLE.
- DIMENSIONS SHOWN ALONG CURB LINE ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.
- CONTRACTOR TO VERIFY ACCEPTABLE COLOR/FINISH FOR RAMPS WITH LOCAL AND STATE REQUIREMENTS AS APPLICABLE.

SIDEWALK RAMP
NOT TO SCALE



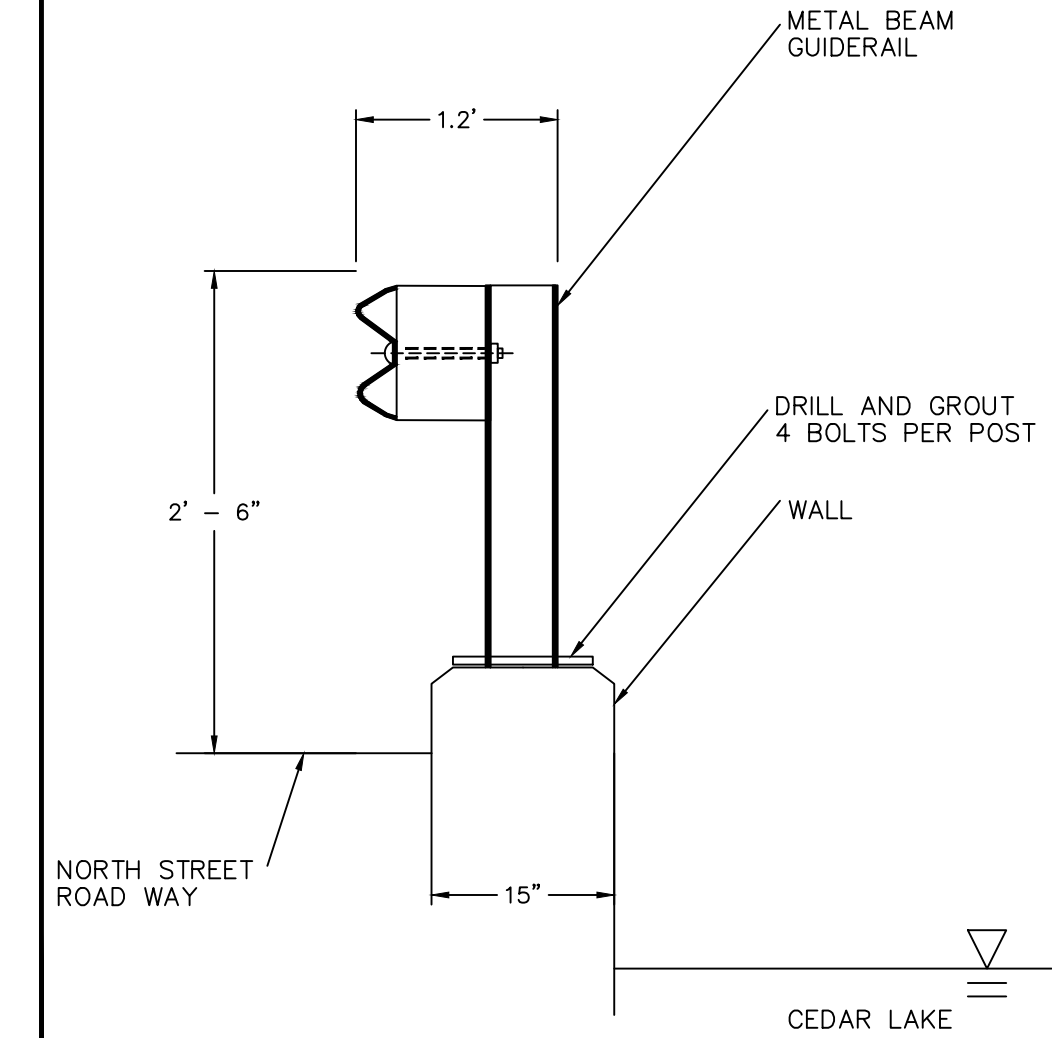
SIDEWALK CROSS SECTION
NOT TO SCALE



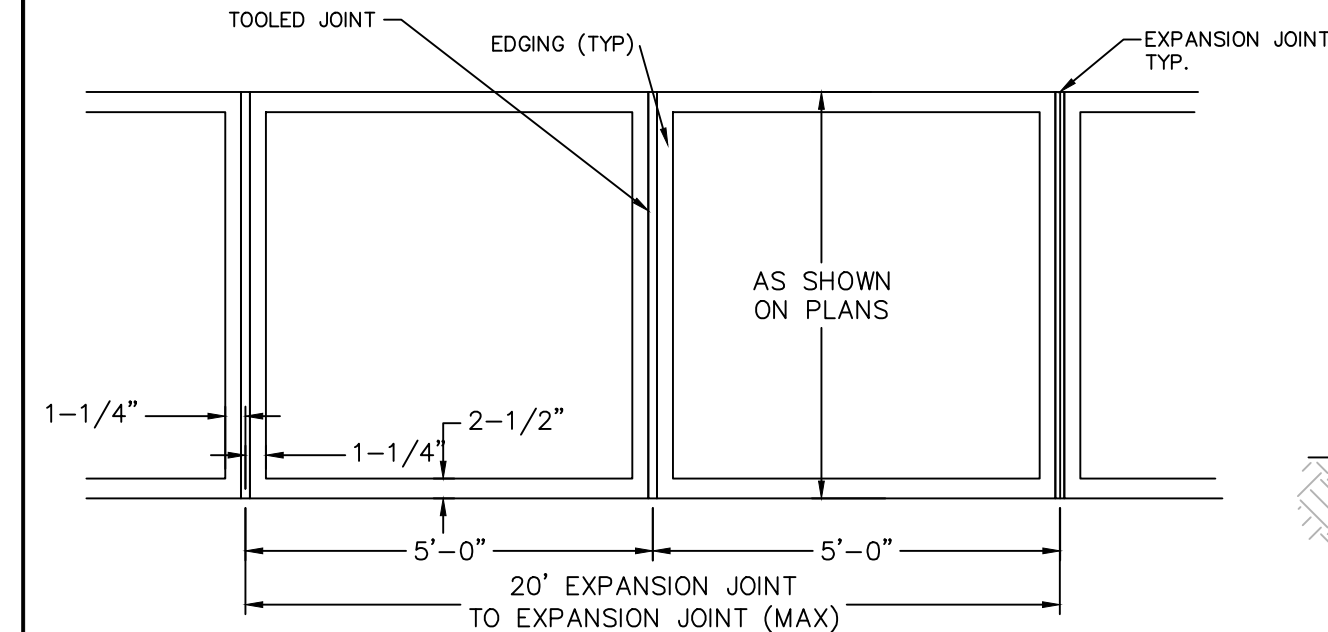
NOTES:

- BACKFILL PIPE ACCORDING TO PIPE BEDDING DETAIL.
- MINIMUM TRENCH REPAIR SHOWN. MATCH EXISTING THICKNESSES IF GREATER THAN SHOWN.
- COMPACTION SHALL MEET REQUIREMENTS OF CT DOT STANDARD SPECIFICATIONS FORM 817.

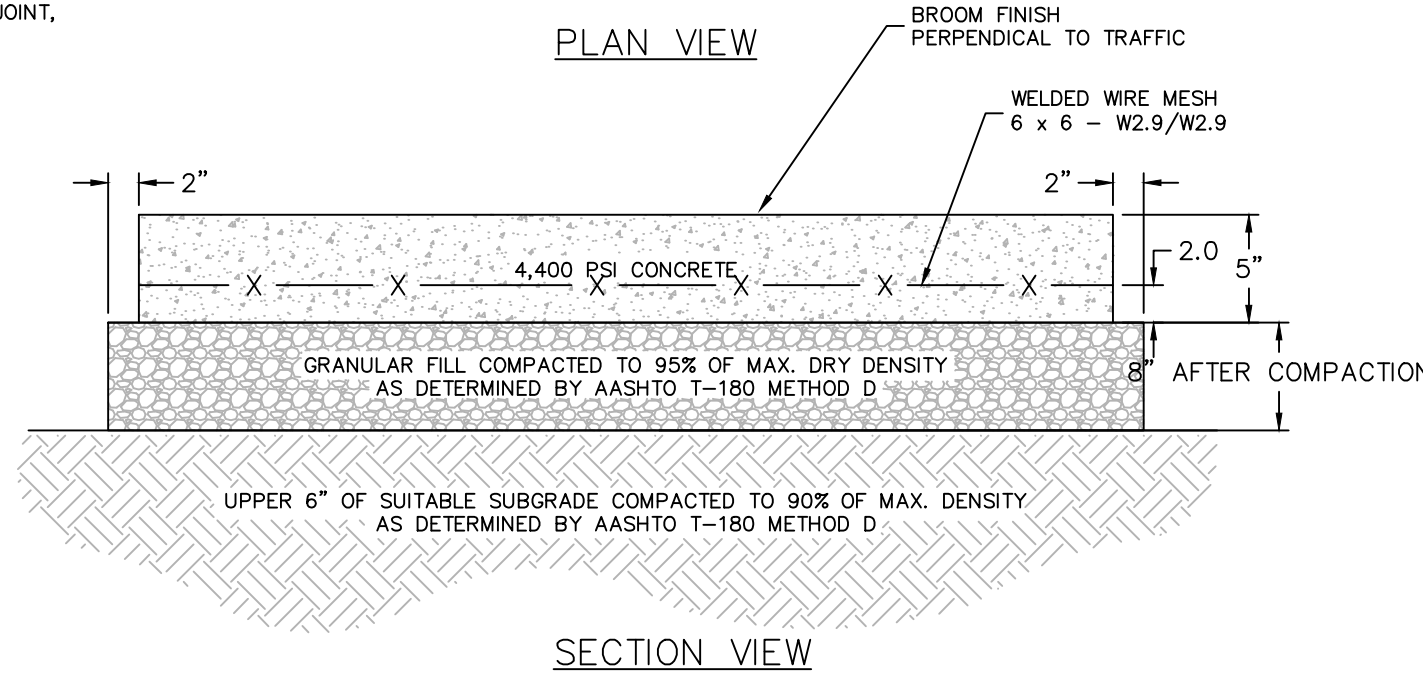
PERMANENT TRENCH REPAIR
NOT TO SCALE



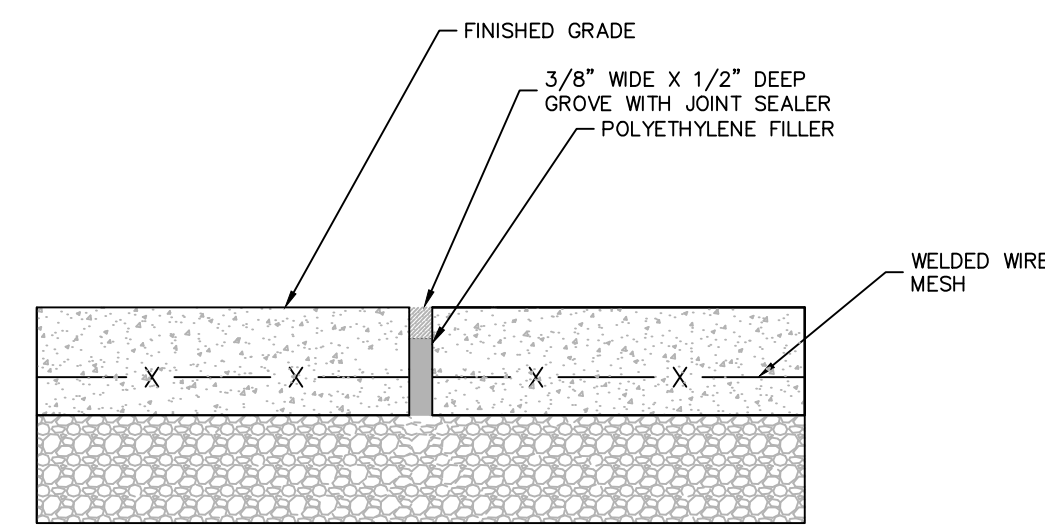
GUIDERAIL DETAIL ON WALL
NOT TO SCALE



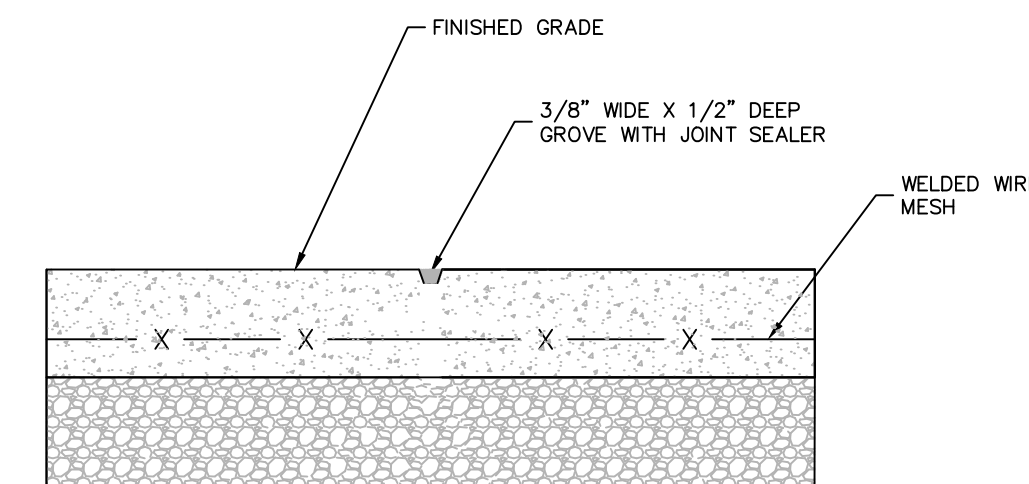
EXPANSION JOINT DETAIL
NOT TO SCALE



TOOLED JOINT DETAIL
NOT TO SCALE

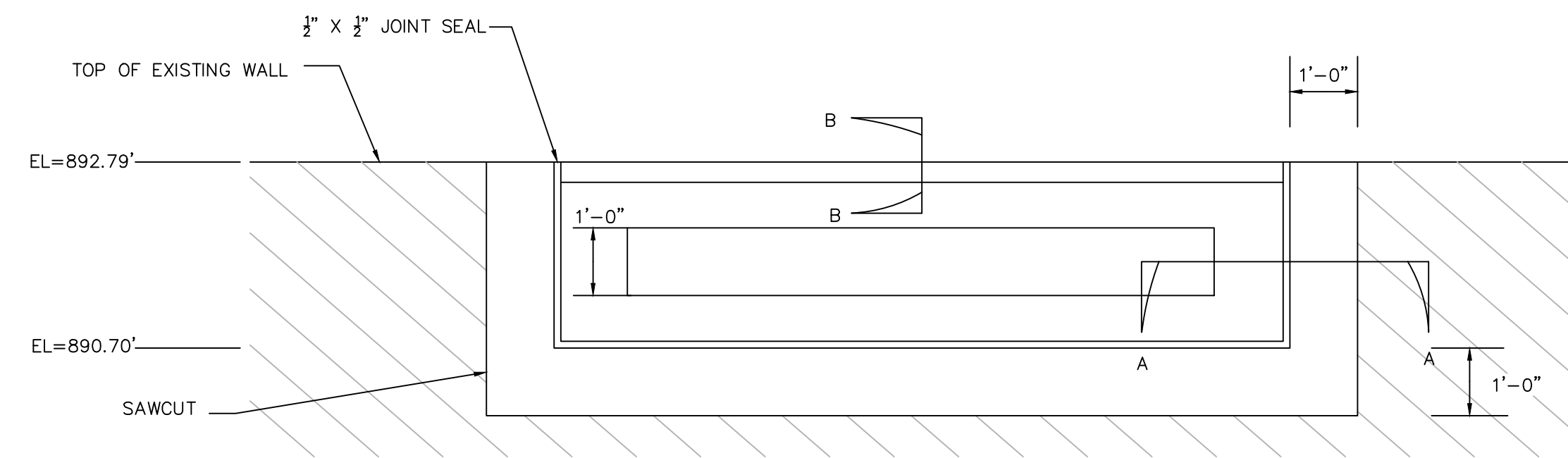


EXPANSION JOINT DETAIL
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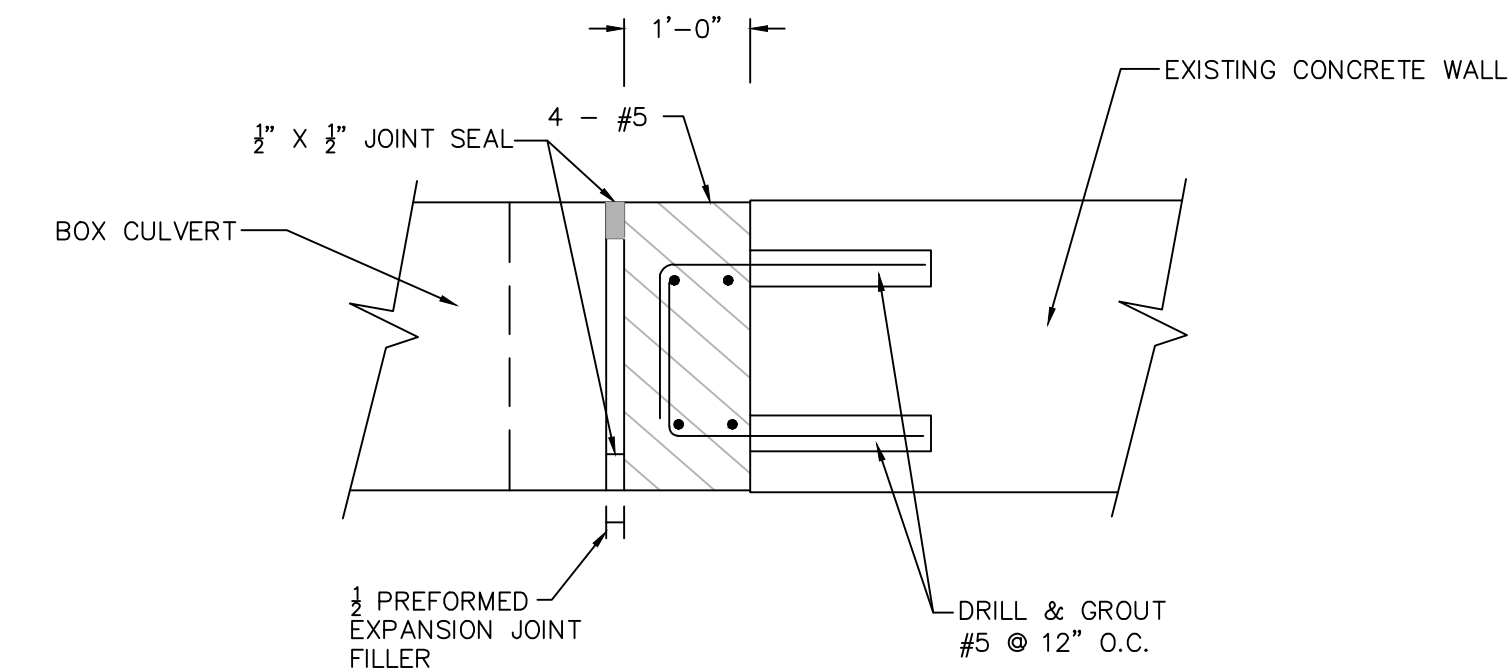


TOOLED JOINT DETAIL
NOT TO SCALE

CONCRETE SIDEWALK
NOT TO SCALE



ELEVATION VIEW BOX CULVERT INLET
NOT TO SCALE



SECTION A-A
NOT TO SCALE

DRAWING NAME: WOLCOTT - TOWN OF WOLCOTT ROAD IMPROVEMENTS - LAYOUT DETAILS - NOTED DATE: 08/21/2018 - ISSUE DATE: 08/21/2018 - PROJECT NUMBER: WOL2026 CE - SHEET SIZE: 24"x36"

REVISIONS		NO.	DATE	DESCRIPTION
		1	01/14/2018	REVISED PER DEEP COMMENTS
		2	06/18/2019	REVISED PER DEEP COMMENTS
		3	09/18/2019	REVISED PER DEEP COMMENTS

DESIGNED:	SCALE:	AS NOTED
JAS/EJD		
DRAWN:	ISSUE DATE:	
JAS/EJD	08/21/2018	
REVIEWED:	PROJECT NUMBER:	
DML	WOL2026 CE	
APPROVED:	SHEET SIZE:	
TRB	24"x36"	



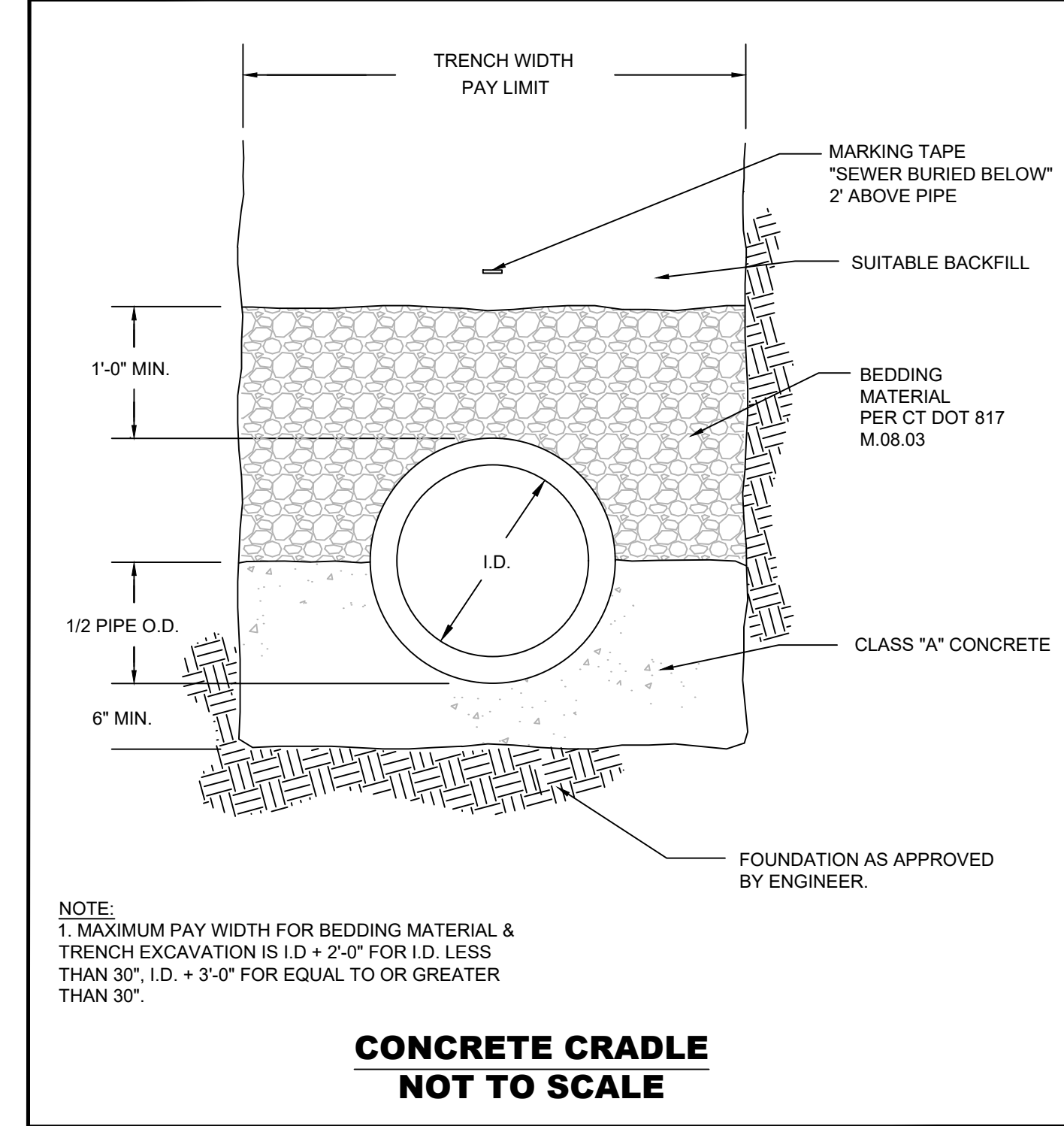
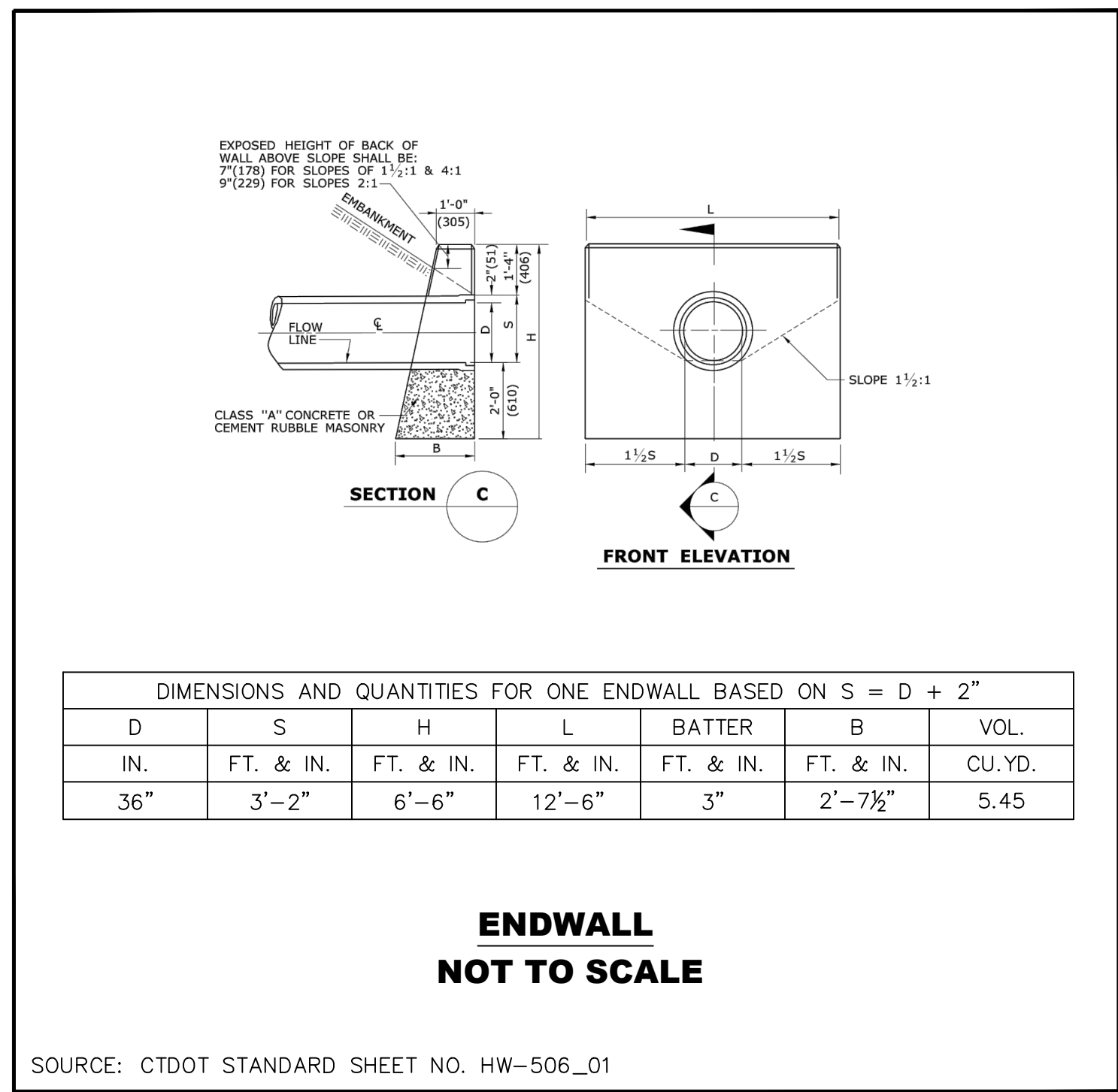
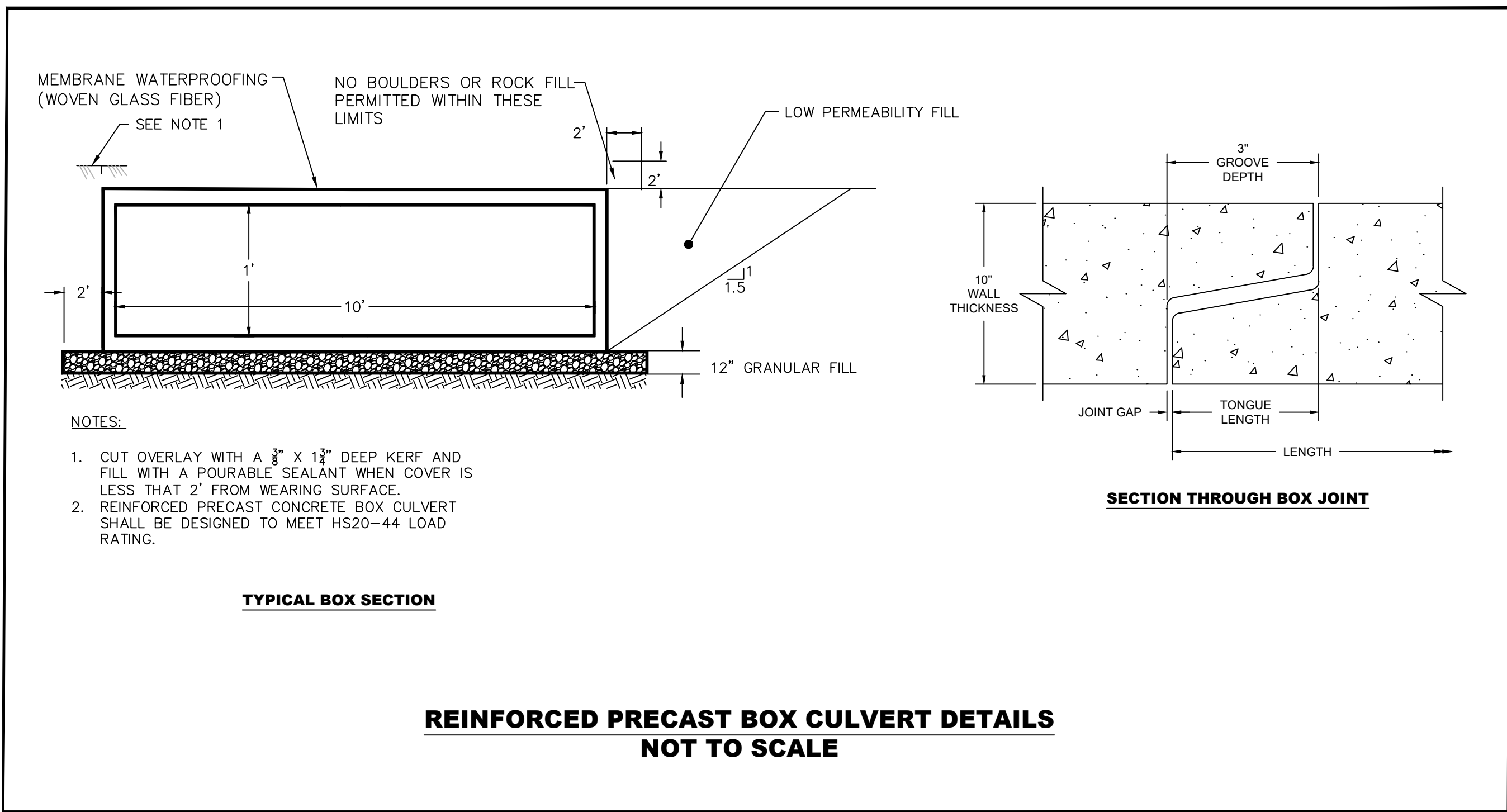
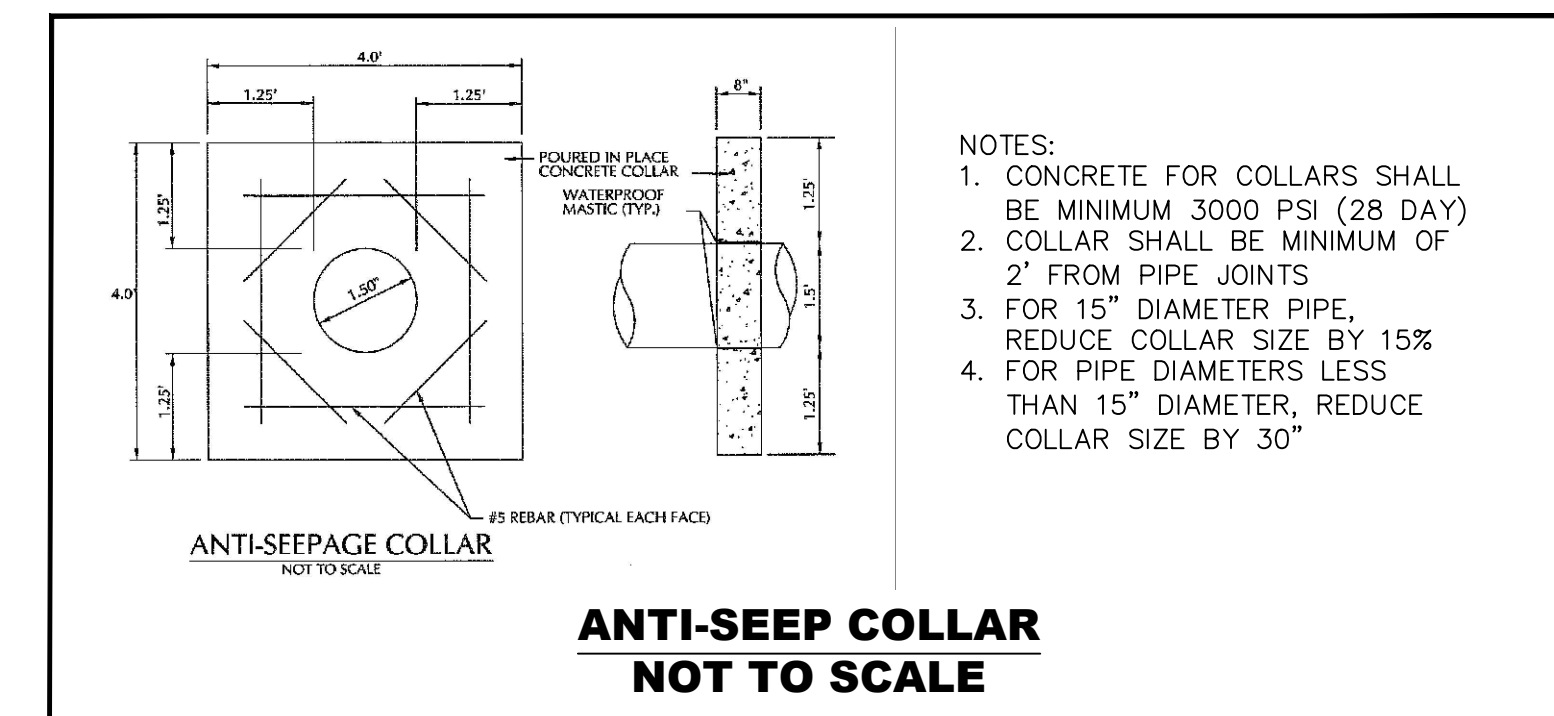
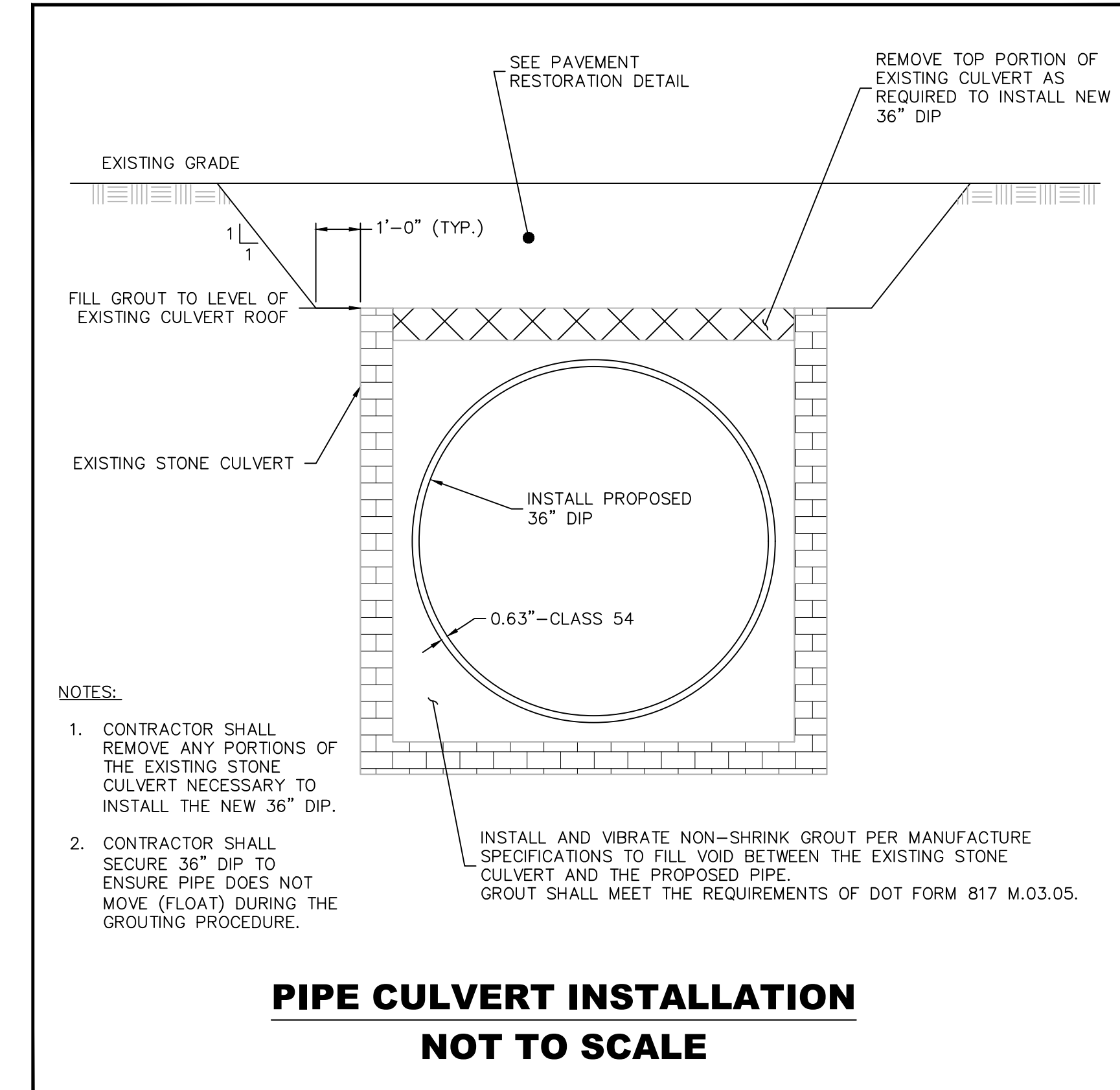
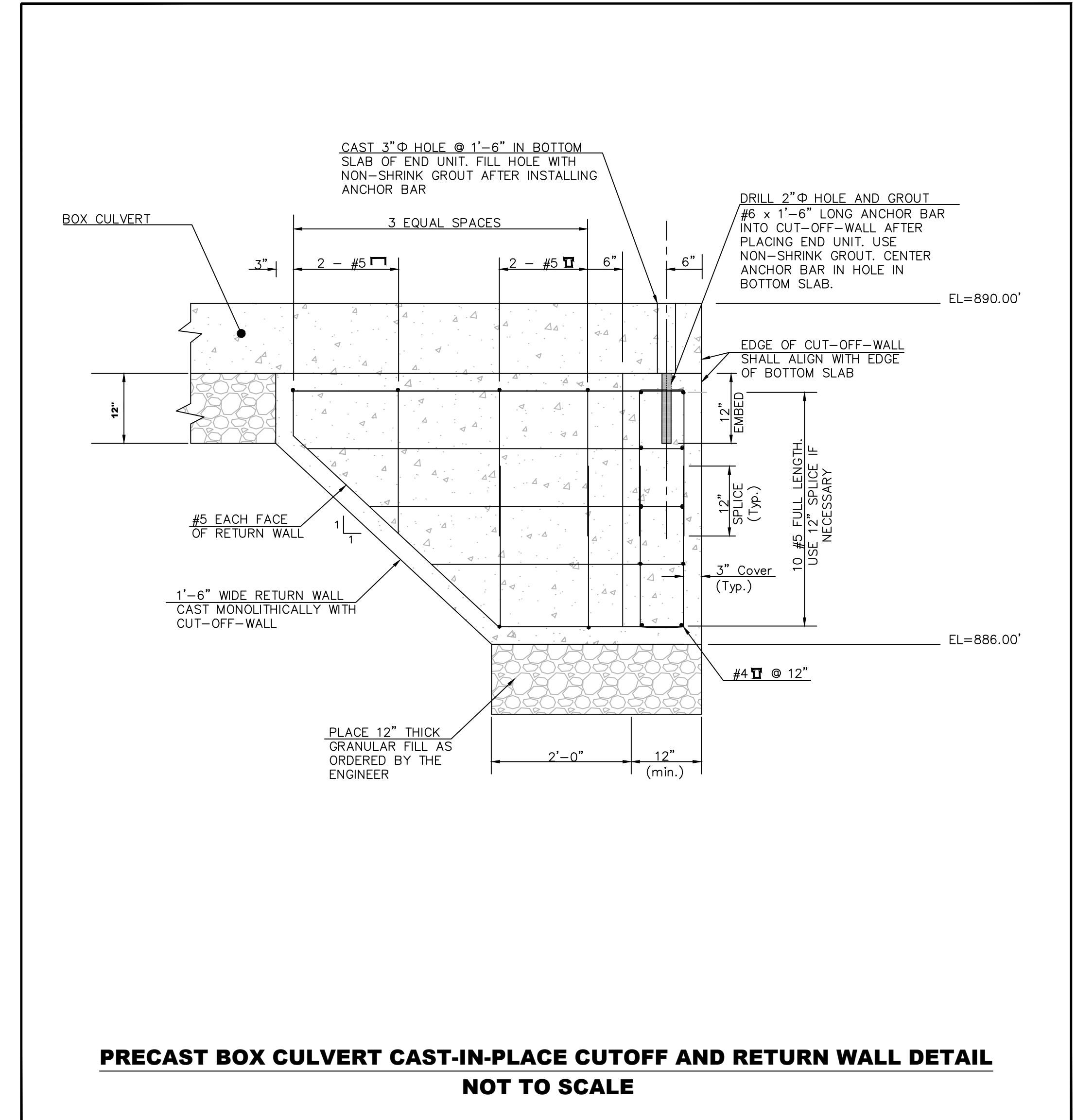
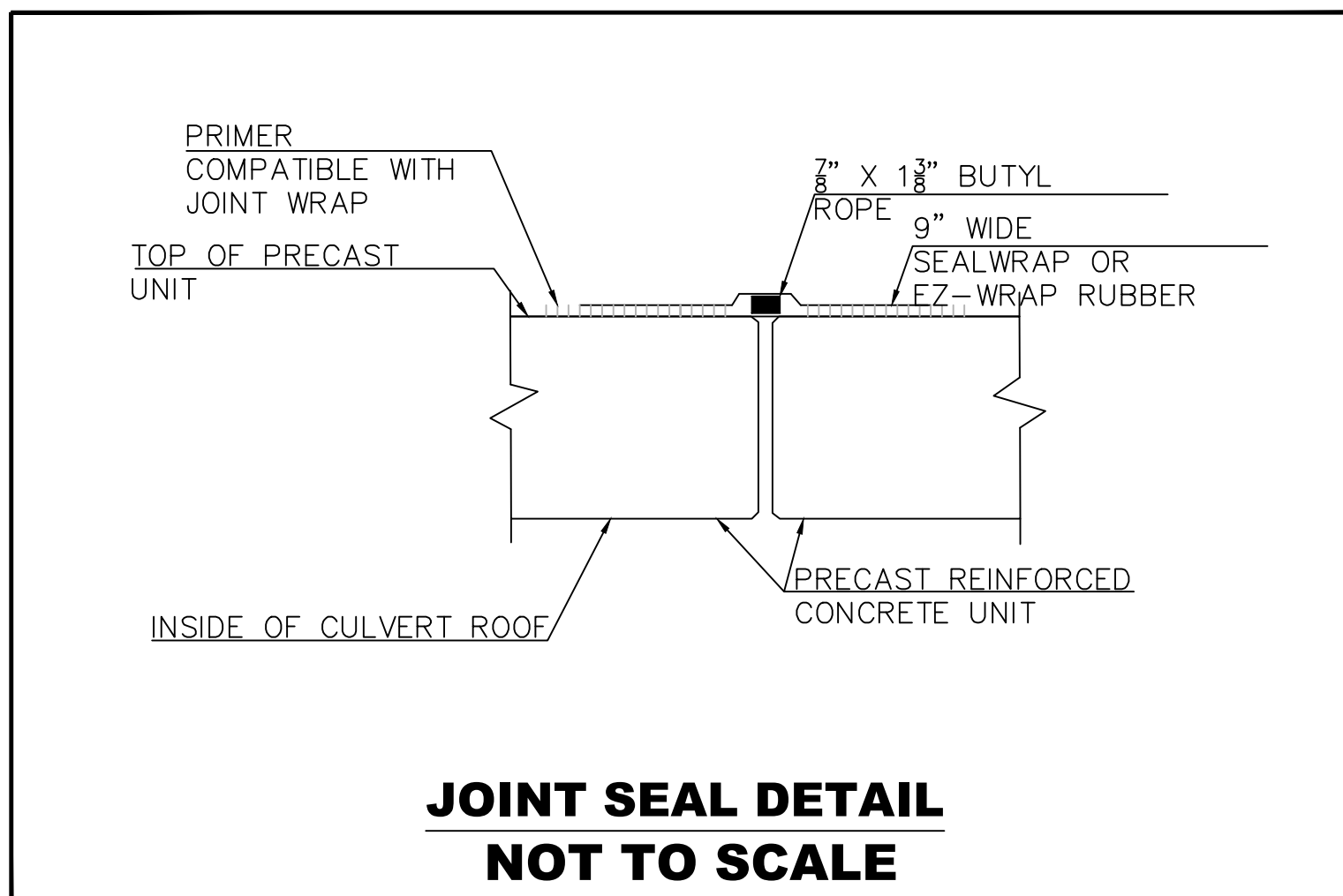
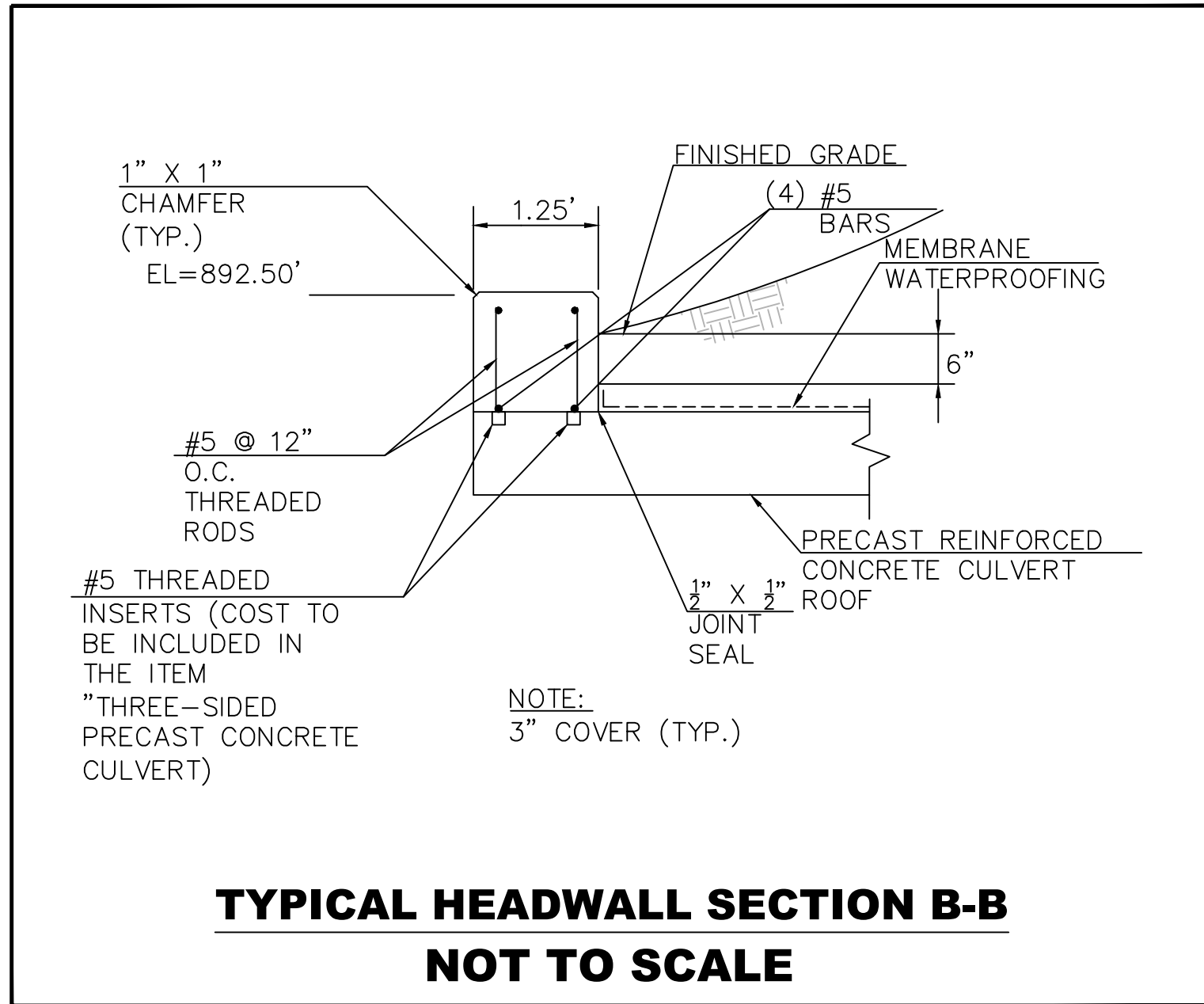
CEDAR LAKE DAM (#16603)
DAM & ROADWAY IMPROVEMENTS
TOWN OF WOLCOTT
10 KENEA AVENUE
WOLCOTT, CONNECTICUT

DETAILS

SHEET NO.

C4.1

SHEET 09 OF 12



REVISIONS

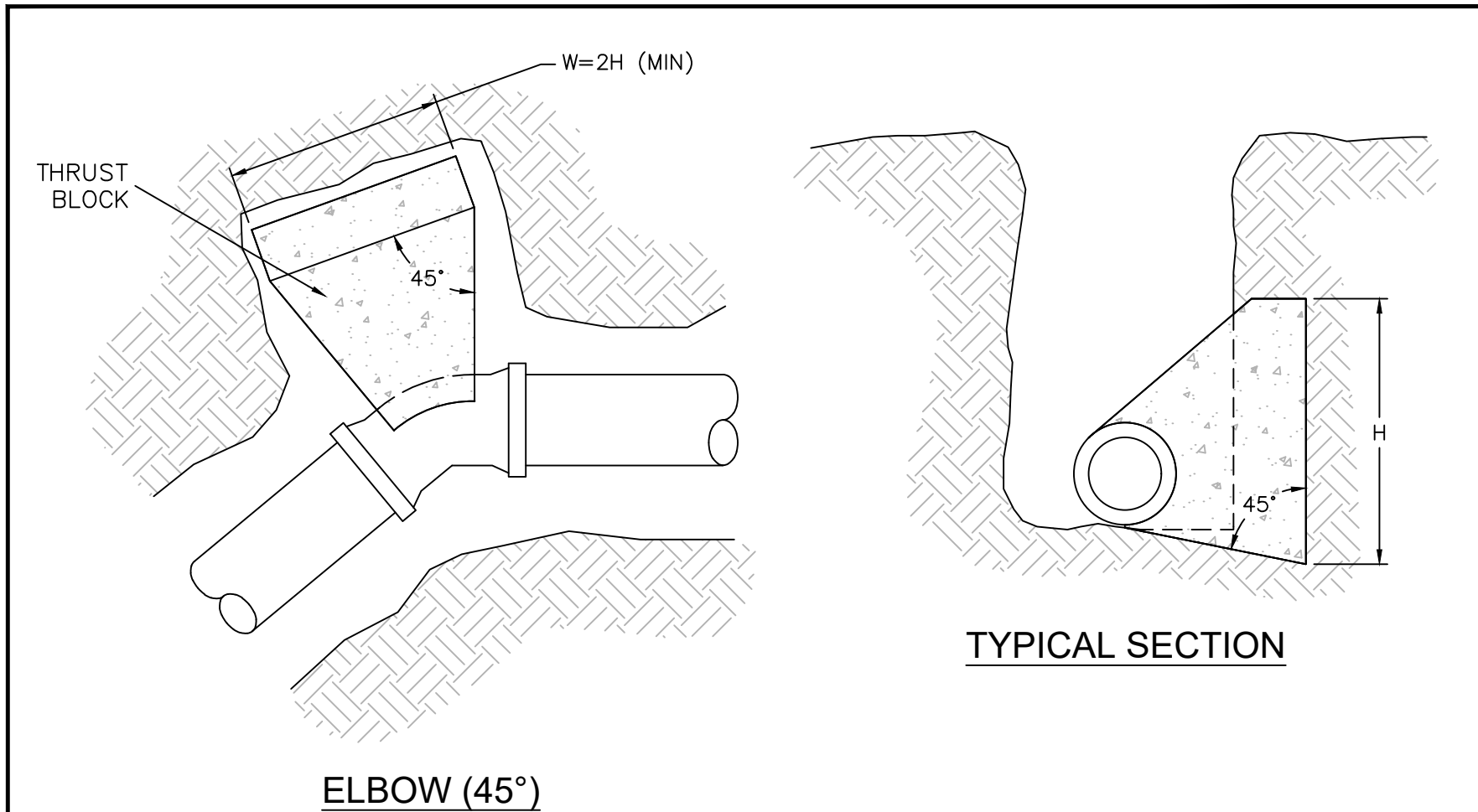
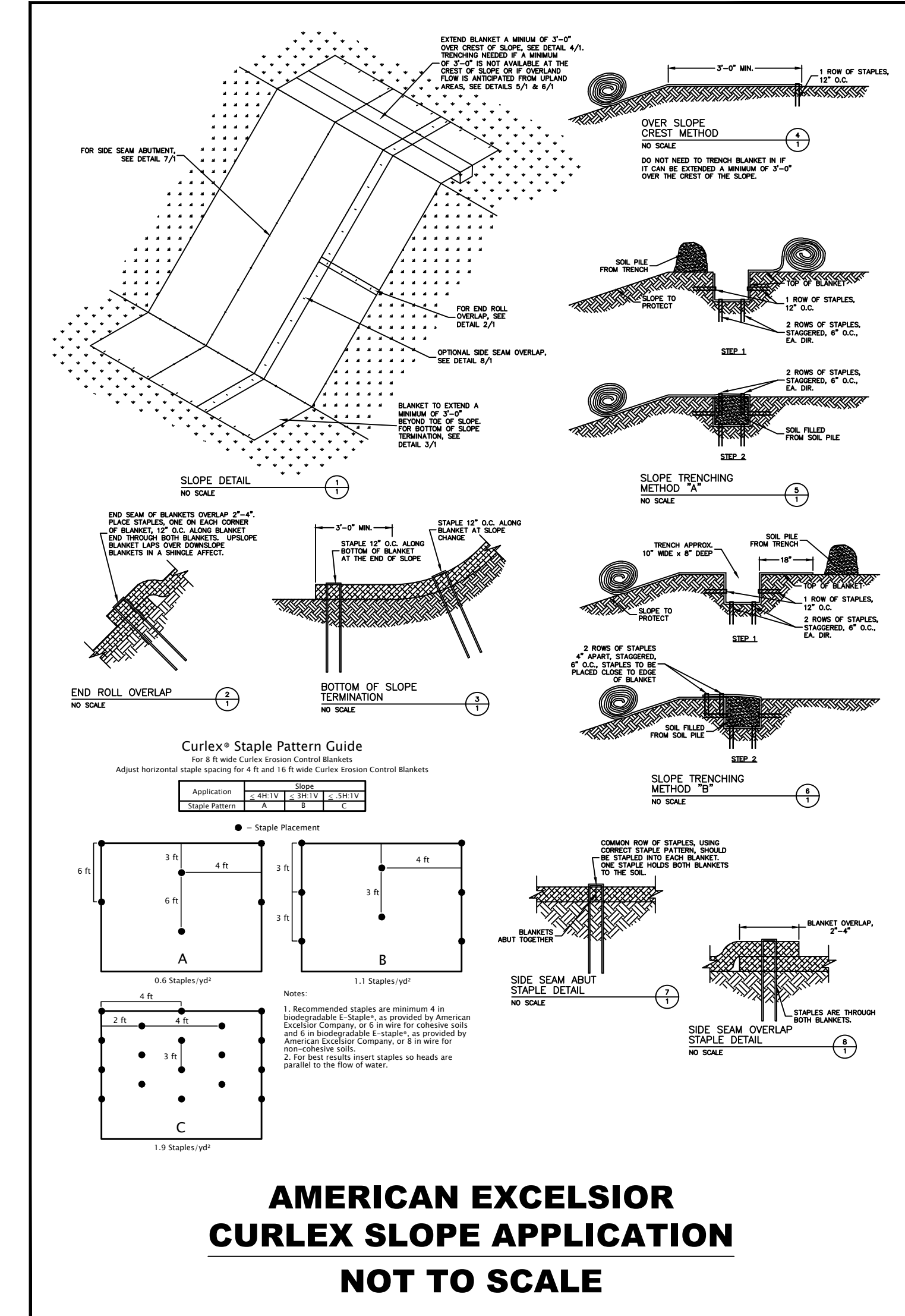
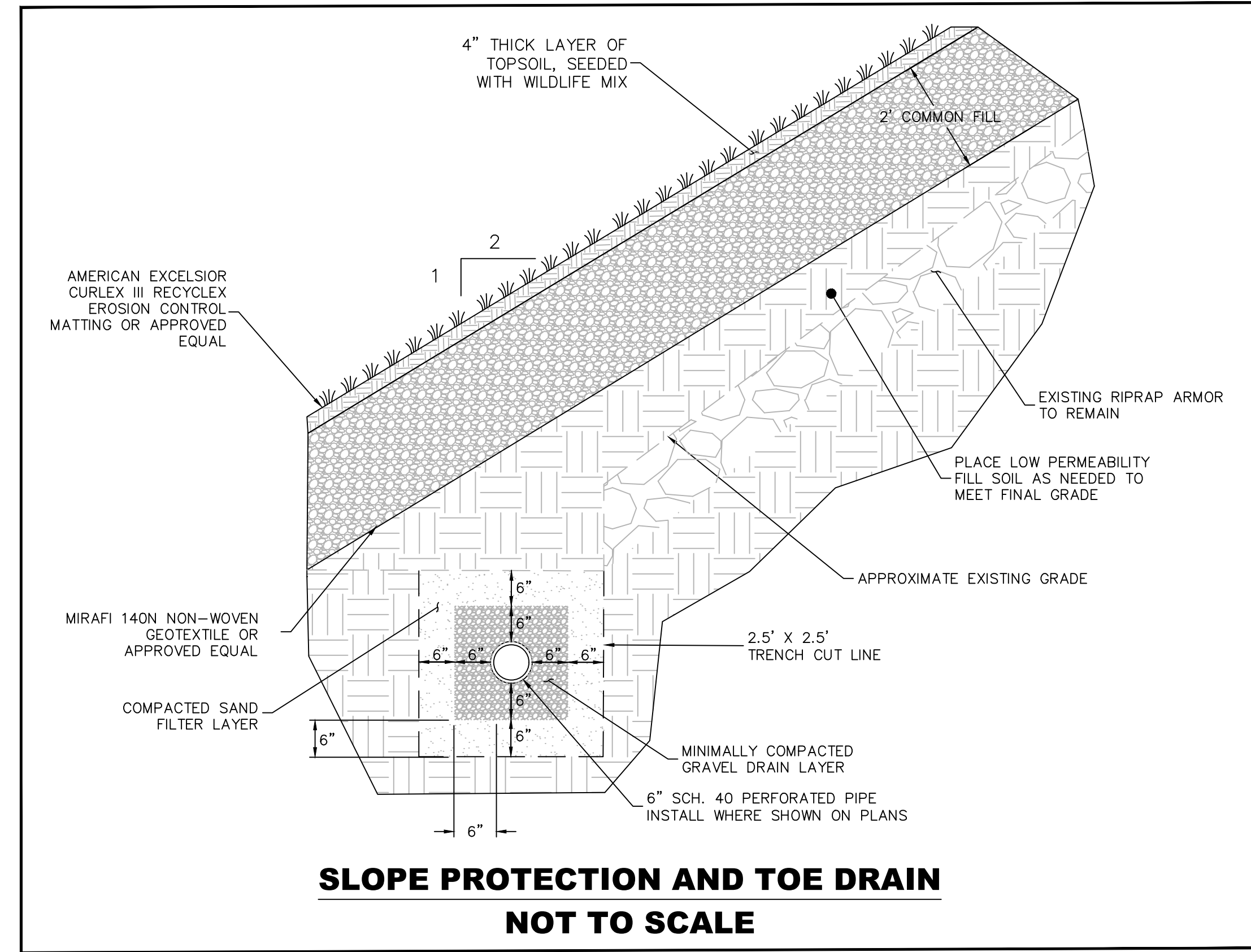
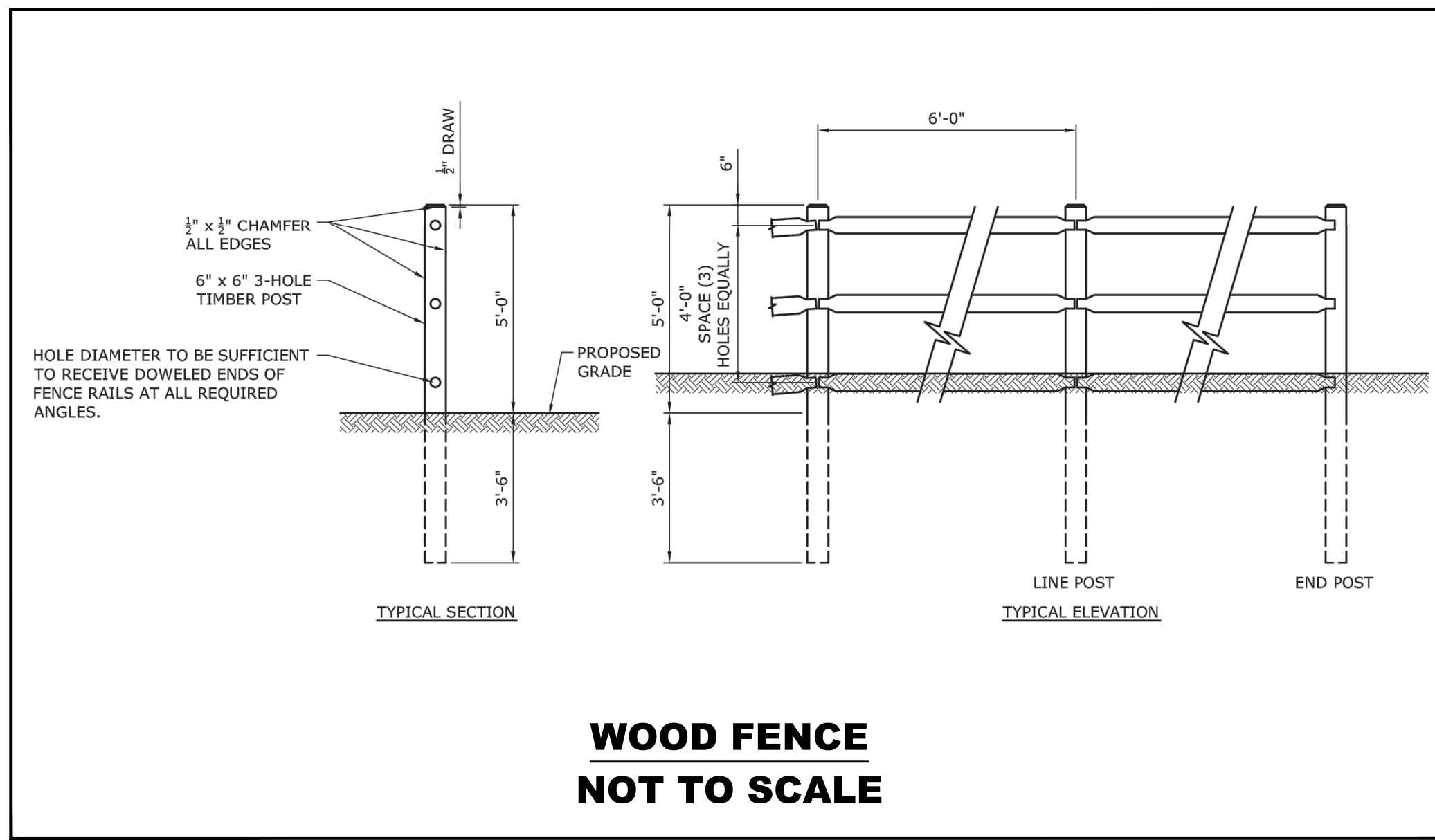
NO.	DATE	DESCRIPTION
1	01/14/2018	REVISED PER DEEP COMMENTS
2	06/18/2019	REVISED PER DEEP COMMENTS
3	09/18/2019	REVISED PER DEEP COMMENTS
4	11/05/2019	REVISED PER DEEP COMMENTS

DESIGNED: JAS/EJD
 SCALE: As Noted
 DRAWN: JAS/EJD
 PROJECT NUMBER: WOL2026 CE
 SHEET NUMBER: 24"x36"
 APPROVED: TRB
 P.E. SEAL

**CEDAR LAKE DAM (#16603)
 DAM & ROADWAY IMPROVEMENTS
 TOWN OF WOLCOTT
 10 KENEA AVENUE
 WOLCOTT, CONNECTICUT**

DETAILS

SHEET NO.
C4.2
 SHEET 10 OF 12

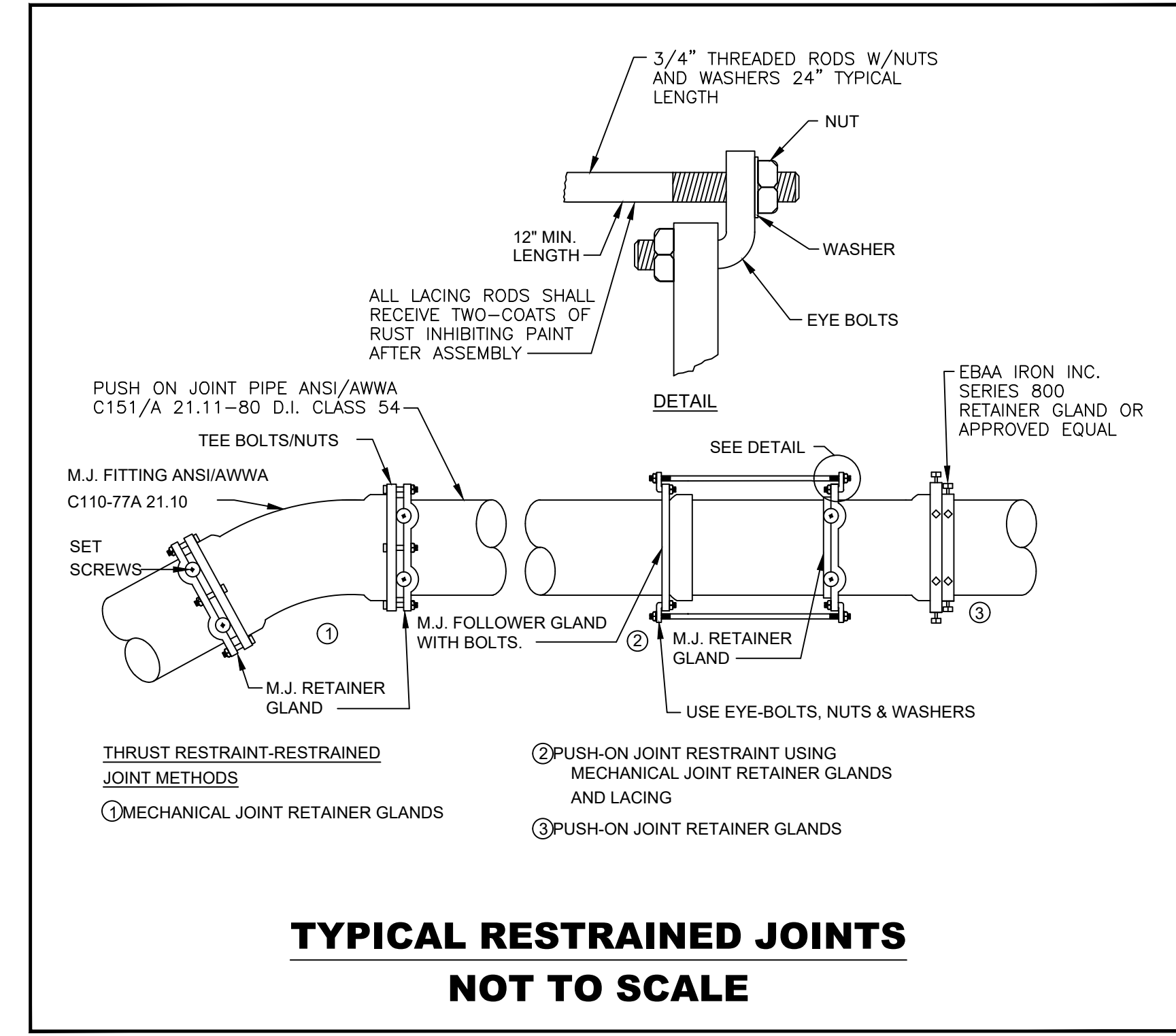
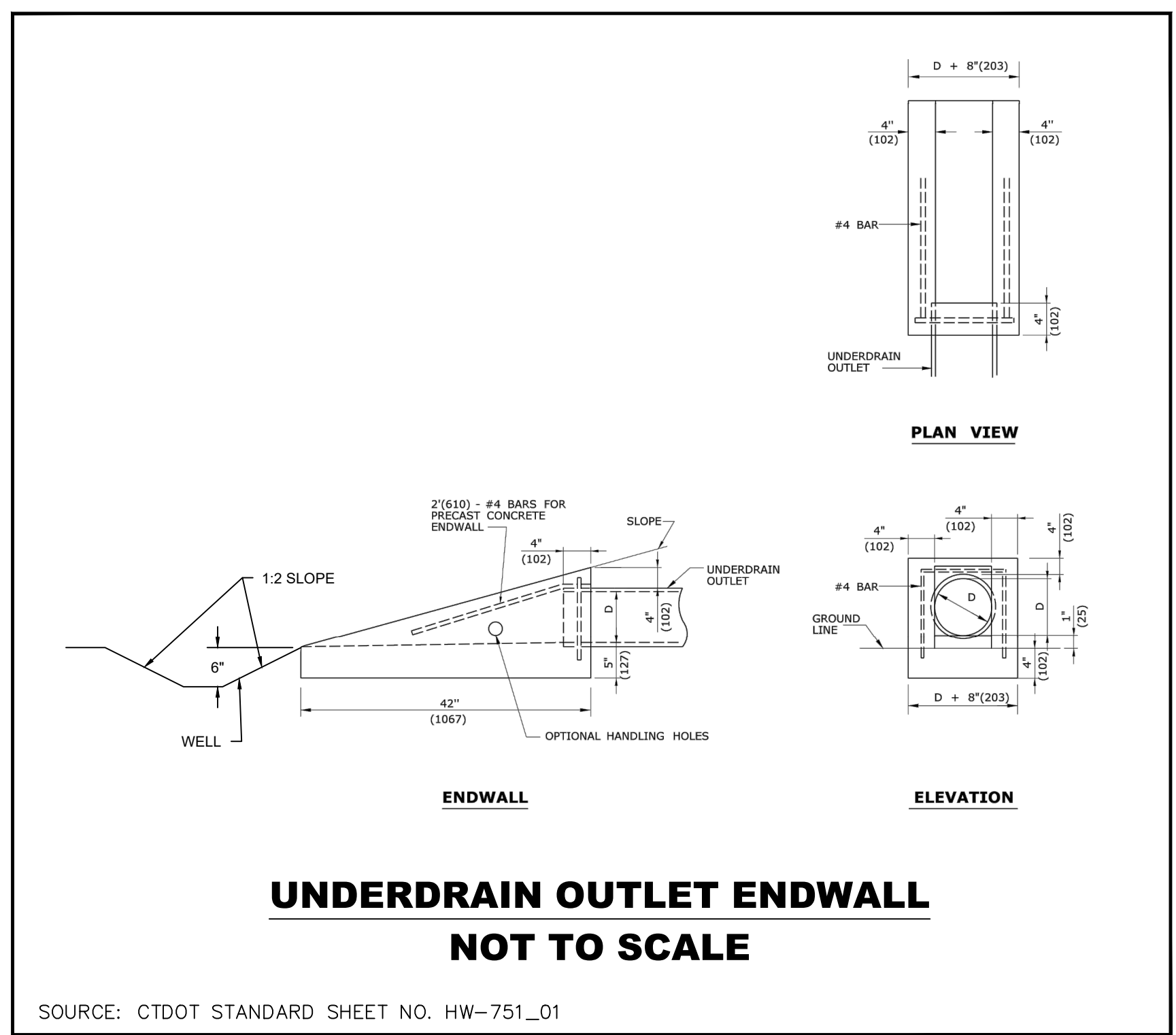


REACTION TYPE	PIPE SIZE	SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL
45° ELBOW	36"	41.9

NOTE: AREA SHOWN IS BASED ON 100 PSI TEST PRESSURE. SQUARE FEET OF CONCRETE THRUST BLOCKING FOR OTHER TEST PRESSURES IS DIRECTLY PROPORTIONAL. FOR INSTANCE, IF THE ACTUAL TEST PRESSURE IS 200 PSI, THEN THE ABOVE NUMBER MUST BE DOUBLED. THE ABOVE NUMBER REPRESENTS THE MINIMUM ALLOWABLE SIZE FOR THRUST BLOCKS.

- NOTES**
- POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS NOT BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
 - ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
 - PLACE BOARD IN FRONT OF ALL CAPS BEFORE POURING THRUST BLOCK.
 - REQUIREMENTS OF THE ABOVE TABLE PRESUME MINIMUM SOIL BEARING OF ONE TON PER SQUARE FOOT, AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCC-RED.

**THRUST BLOCK
NOT TO SCALE**



REVISIONS

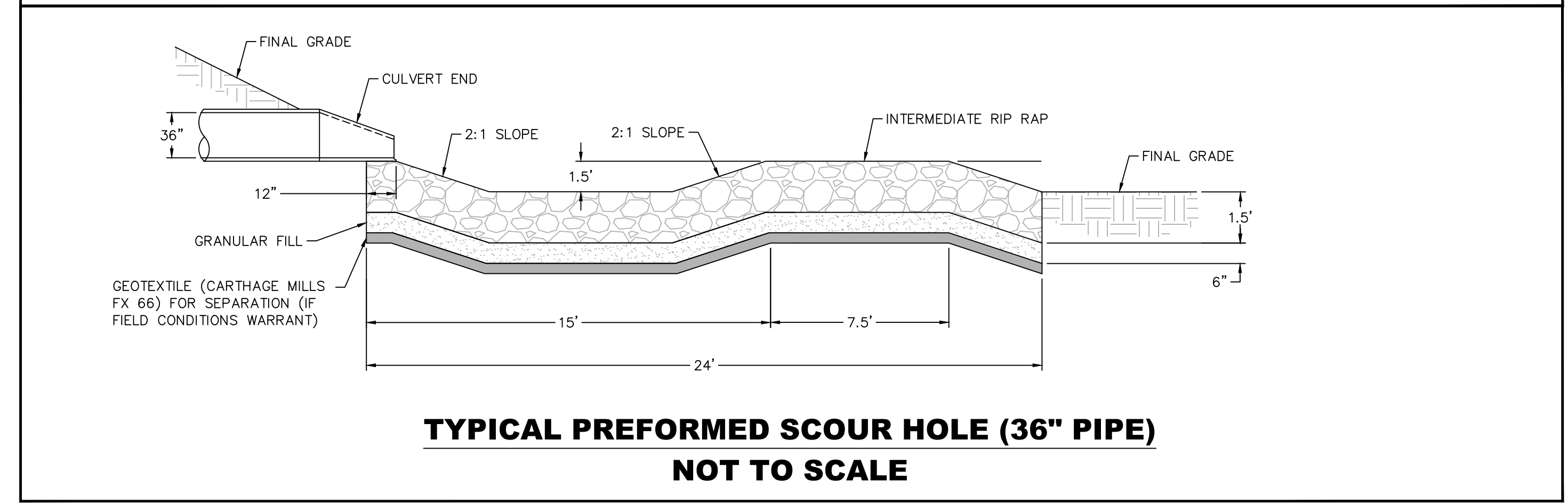
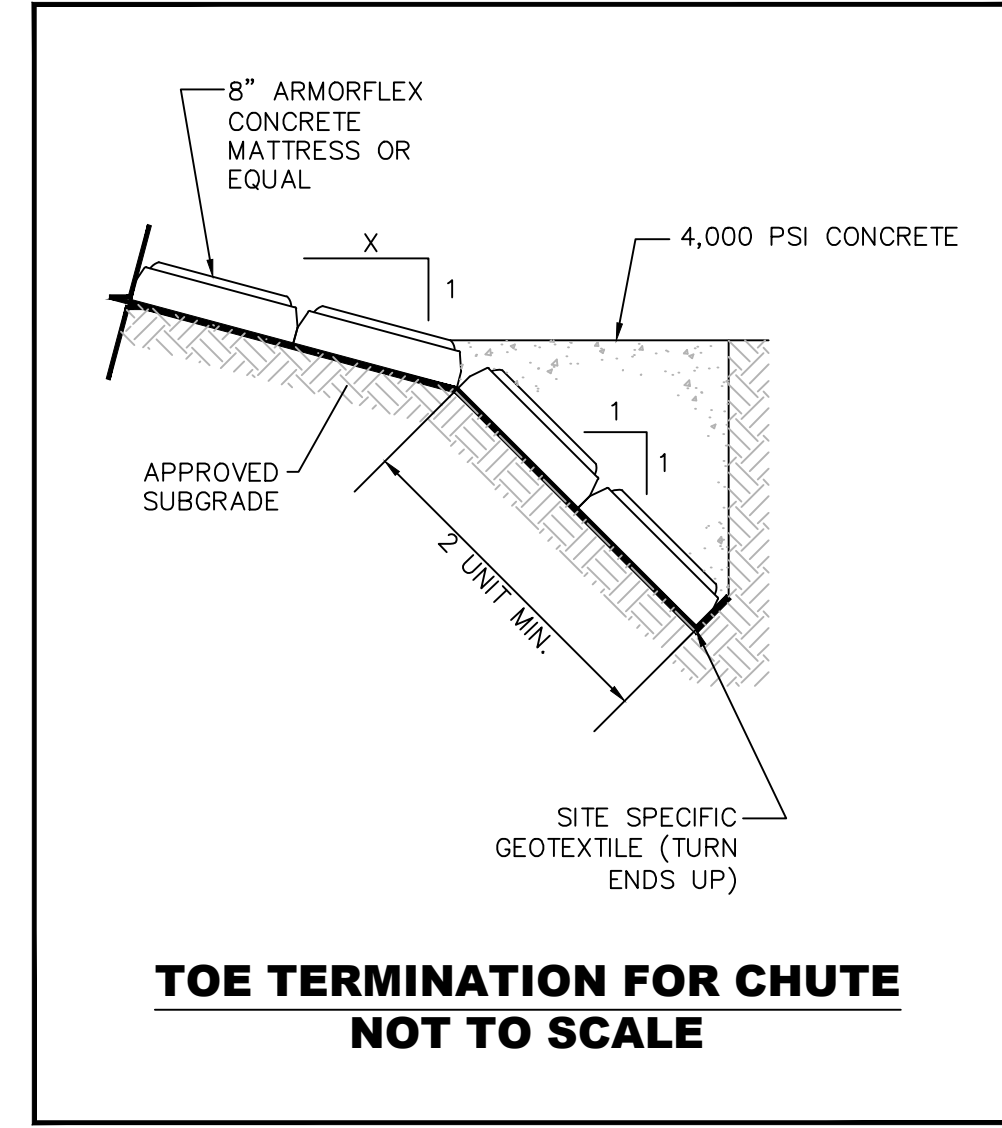
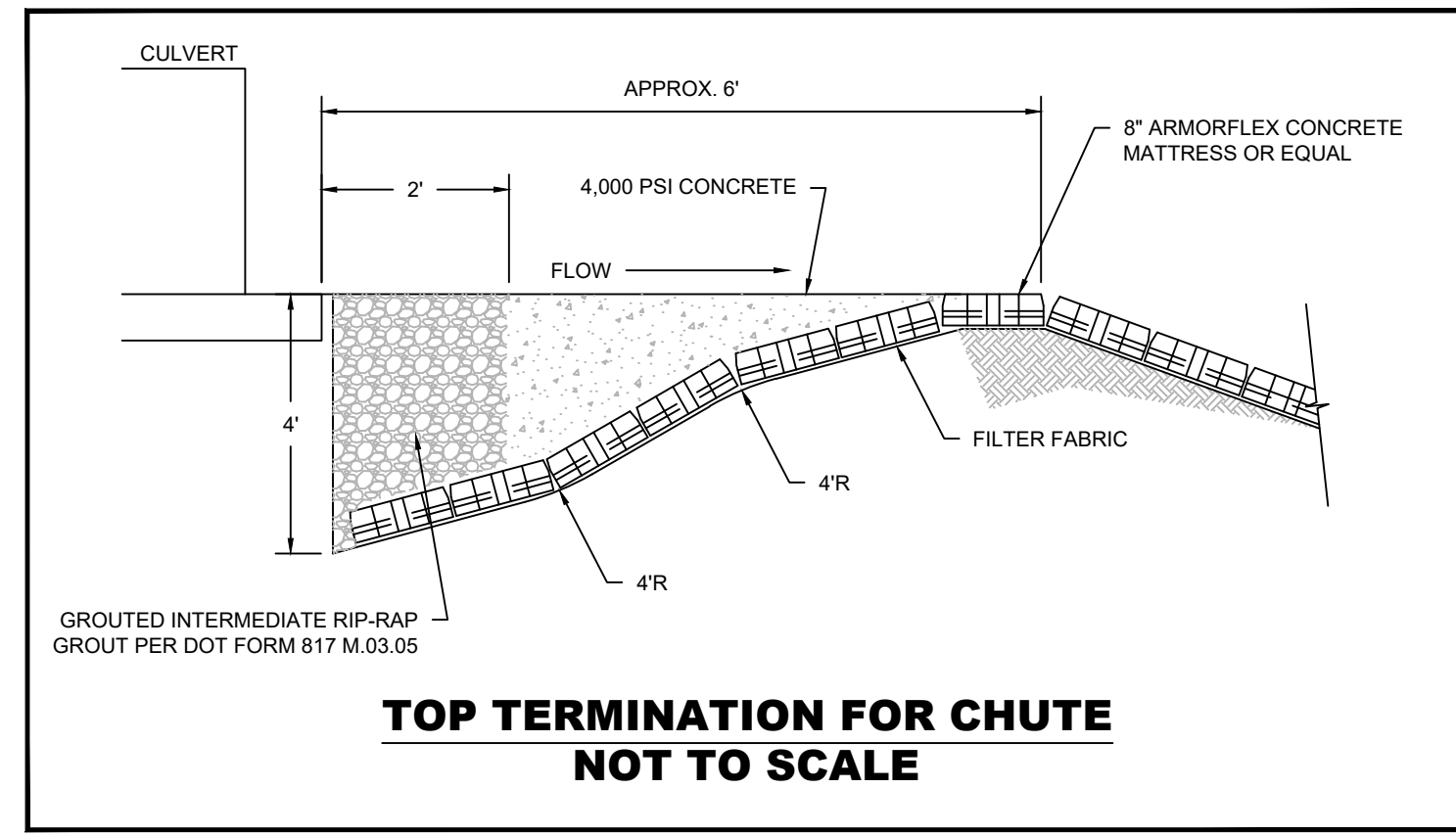
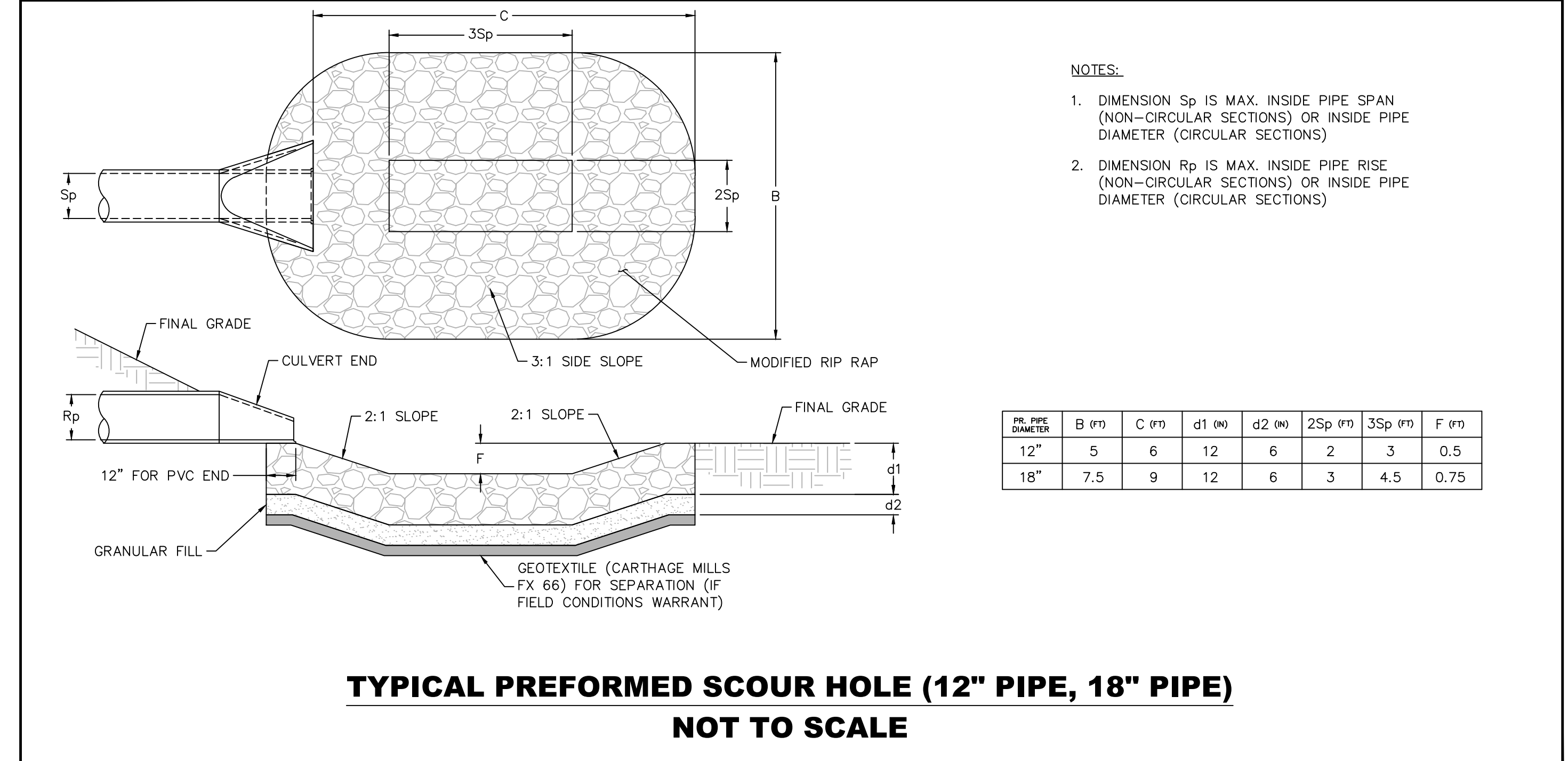
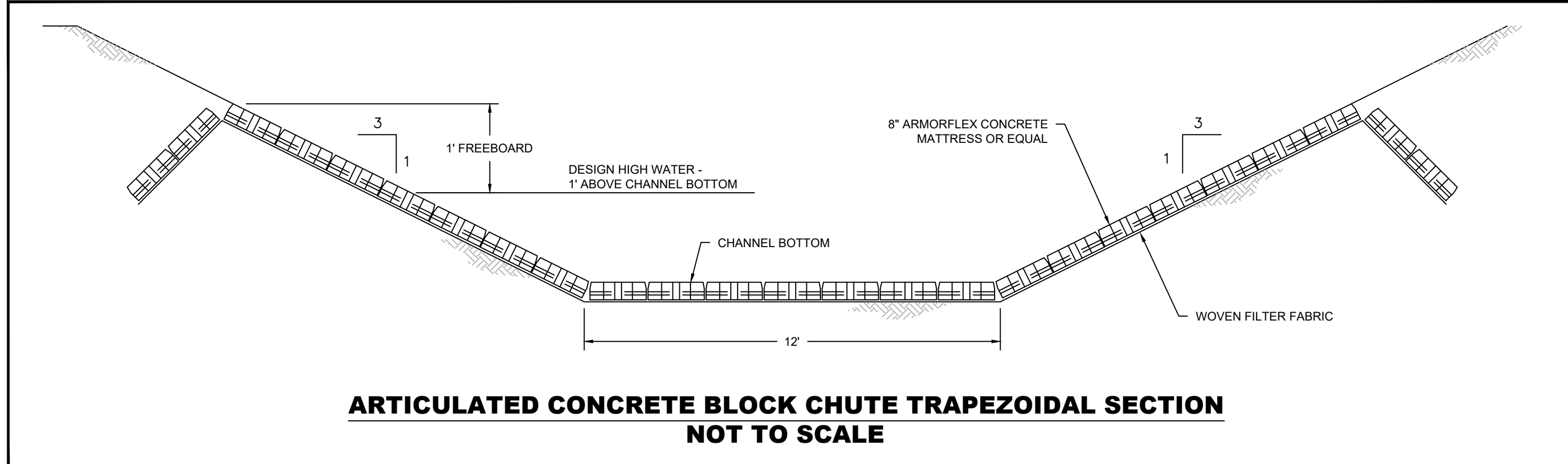
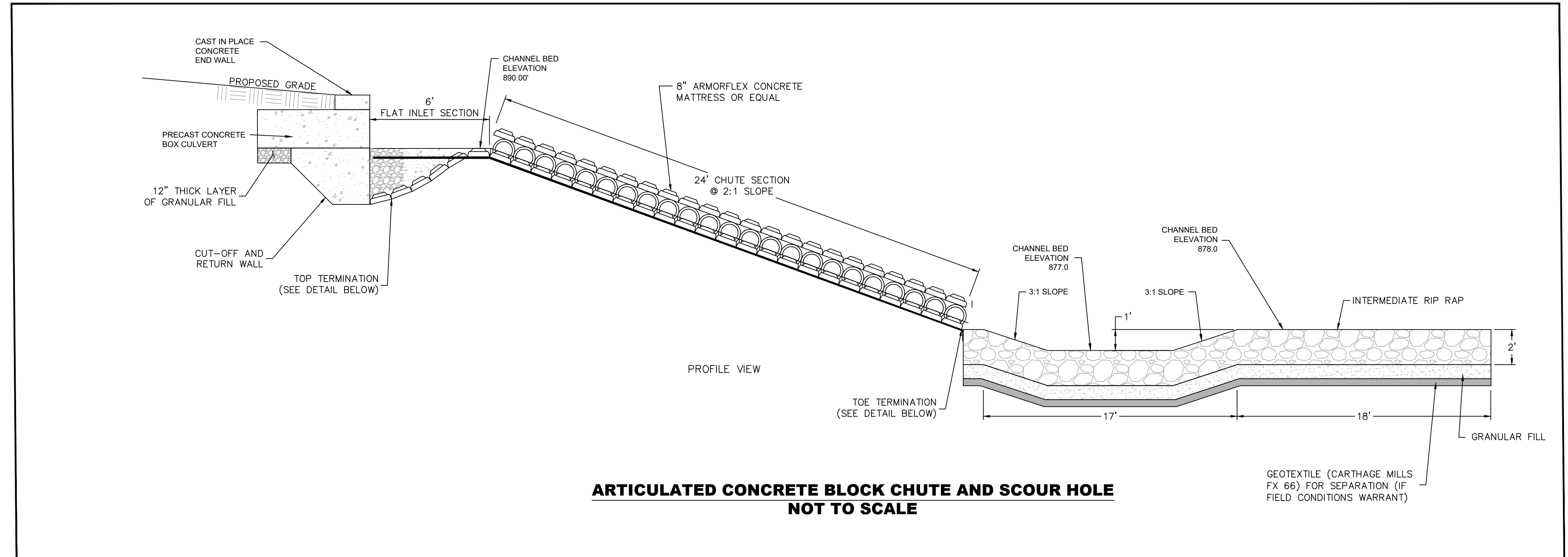
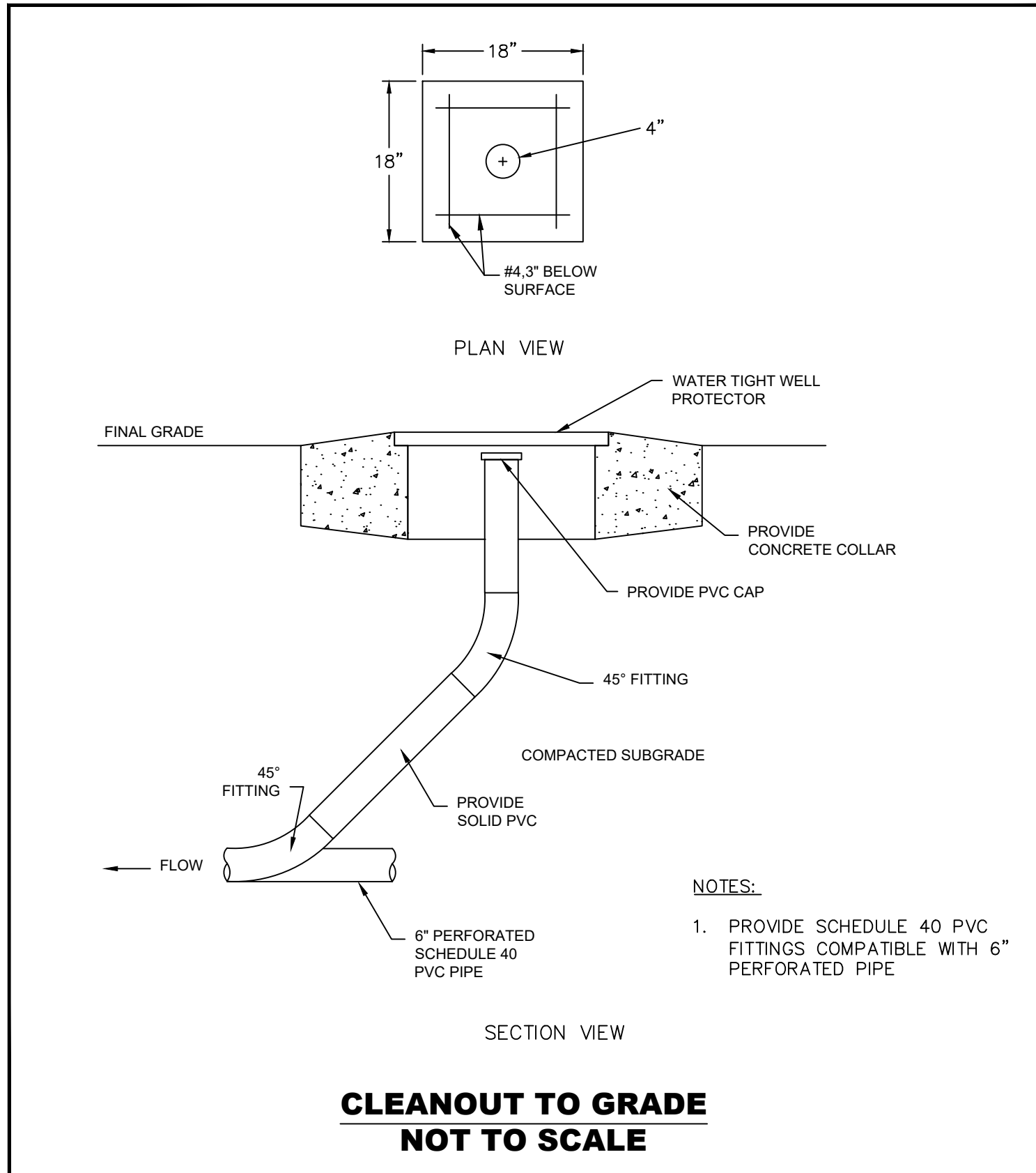
NO.	DATE	DESCRIPTION
1	07/14/2018	REVISED PER DEEP COMMENTS
2	06/18/2019	REVISED PER DEEP COMMENTS
3	09/18/2019	REVISED PER DEEP COMMENTS

DESIGNED: SCALE: As Noted
JAS/EJD
DRAWN: 01/14/2018
JAS/EJD
ISSUE DATE: 08/21/2018
PROJECT NUMBER: WOL2026 CE
REVIEWED: DML
SHEET SIZE: 24"x36"
APPROVED: TRB



**CEDAR LAKE DAM (#16603)
DAM & ROADWAY IMPROVEMENTS**
TOWN OF WOLCOTT
10 KENEBA AVENUE
WOLCOTT, CONNECTICUT

DETAILS



REVISIONS

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4	11/05/2019	REVISED PER DEEP COMMENTS

DESIGNED: JAS/EJD
 DRAWN: JAS/EJD
 PROJECT NUMBER: WOL2026.CE
 SHEET SIZE: 24"x36"
 APPROVED: TRB

**CEDAR LAKE DAM (#16603)
 DAM & ROADWAY IMPROVEMENTS
 TOWN OF WOLCOTT
 10 KENEA AVENUE
 WOLCOTT, CONNECTICUT**

DETAILS

SHEET NO.
C4.4
 SHEET 12 OF 12

DRAWING NAME: WOLCOTT VILLAGE DAM ROADWAY IMPROVEMENTS - RIP RAP; LAYER: CHUTE DETAILS; PLOT DATE: Nov 14, 2018; 10:49:00 AM; C:\Users\jras\OneDrive\Documents\WOLCOTT VILLAGE DAM ROADWAY IMPROVEMENTS - RIP RAP; LAYER: CHUTE DETAILS; PLOT DATE: Nov 14, 2018; 10:49:00 AM; C:\Users\jras\OneDrive\Documents\WOLCOTT VILLAGE DAM ROADWAY IMPROVEMENTS - RIP RAP