

Not to Scale

1. AS CONSTRUCTION PROCEEDS, FINE GRADE AND SEED OR SOIL AS SOON AS POSSIBLE TO REDUCE RUNOFF.
2. ALL DISTURBED AREAS NOT COVERED BY BUILDING, PAVING, PLANTING BEDS OR OTHER PERMANENT COVERAGE, TOPSOILED TO A DEPTH OF 6" AND SEEDED. PLANT BEDS SHALL BE TOPSOILED TO A DEPTH OF 12".
3. IN ALL SHRUB BEDS TO RECEIVE MASS PLANTING, PROVIDE PINE BARK MULCH TO A MINIMUM OF 2" DEPTH.
4. ADJUSTMENTS IN THE LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO LOCATIONS OF UTILITIES. ADJUSTMENTS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
5. PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE DRAWING SYMBOLS PREVAIL OVER THE PLANT LIST QUANTITIES.



CHAIRMAN/SECRETARY \_\_\_\_\_ DATE \_\_\_\_\_

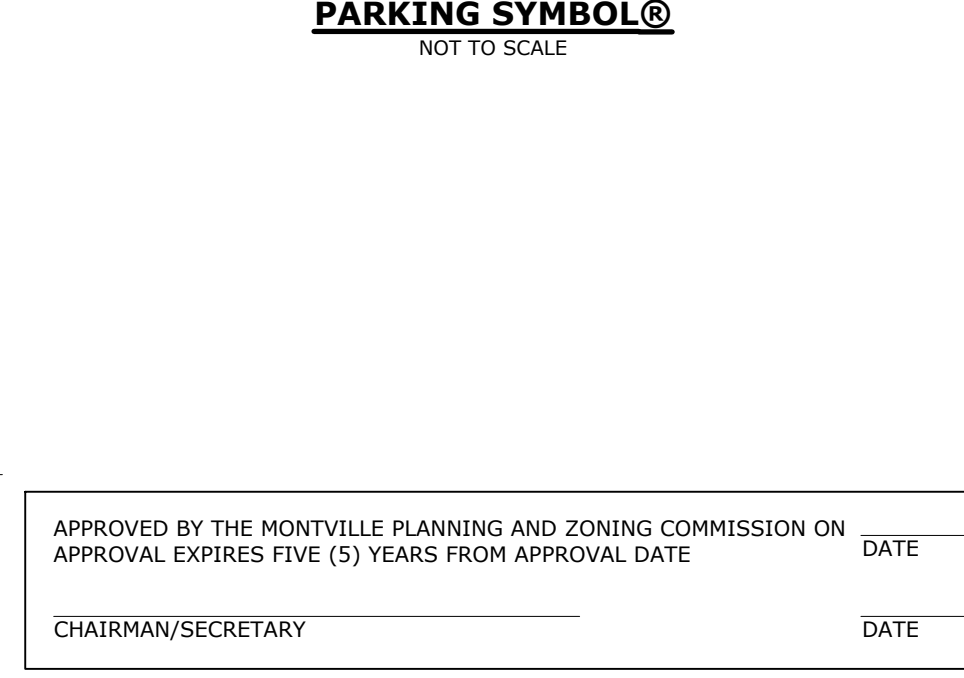
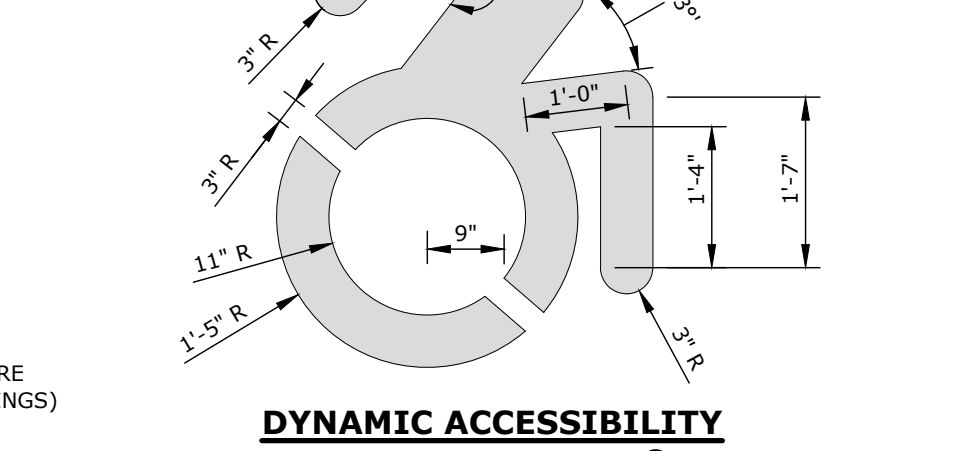
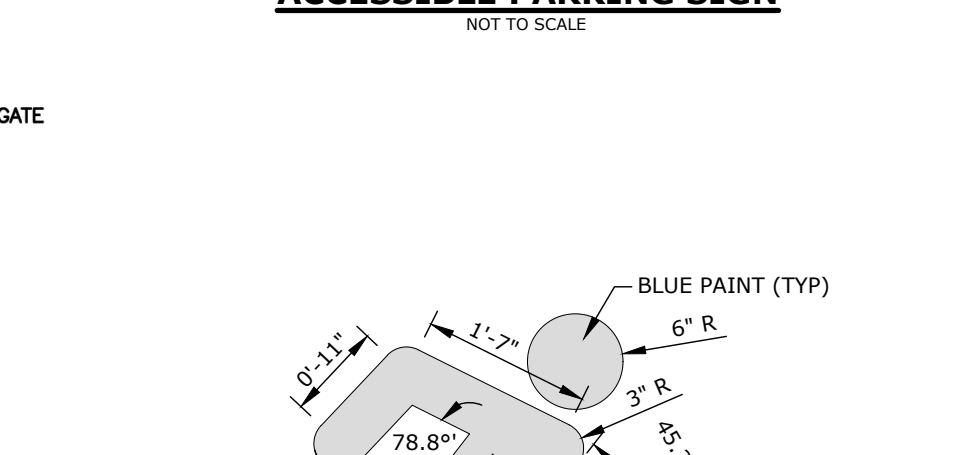
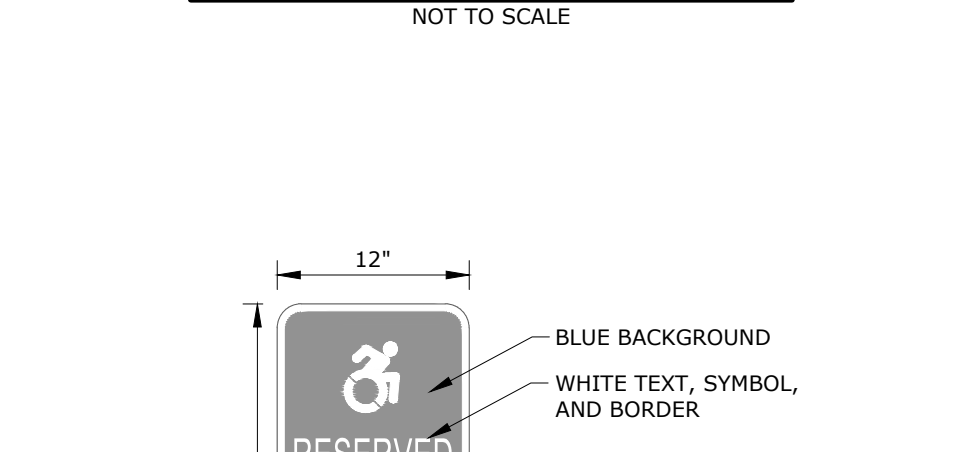
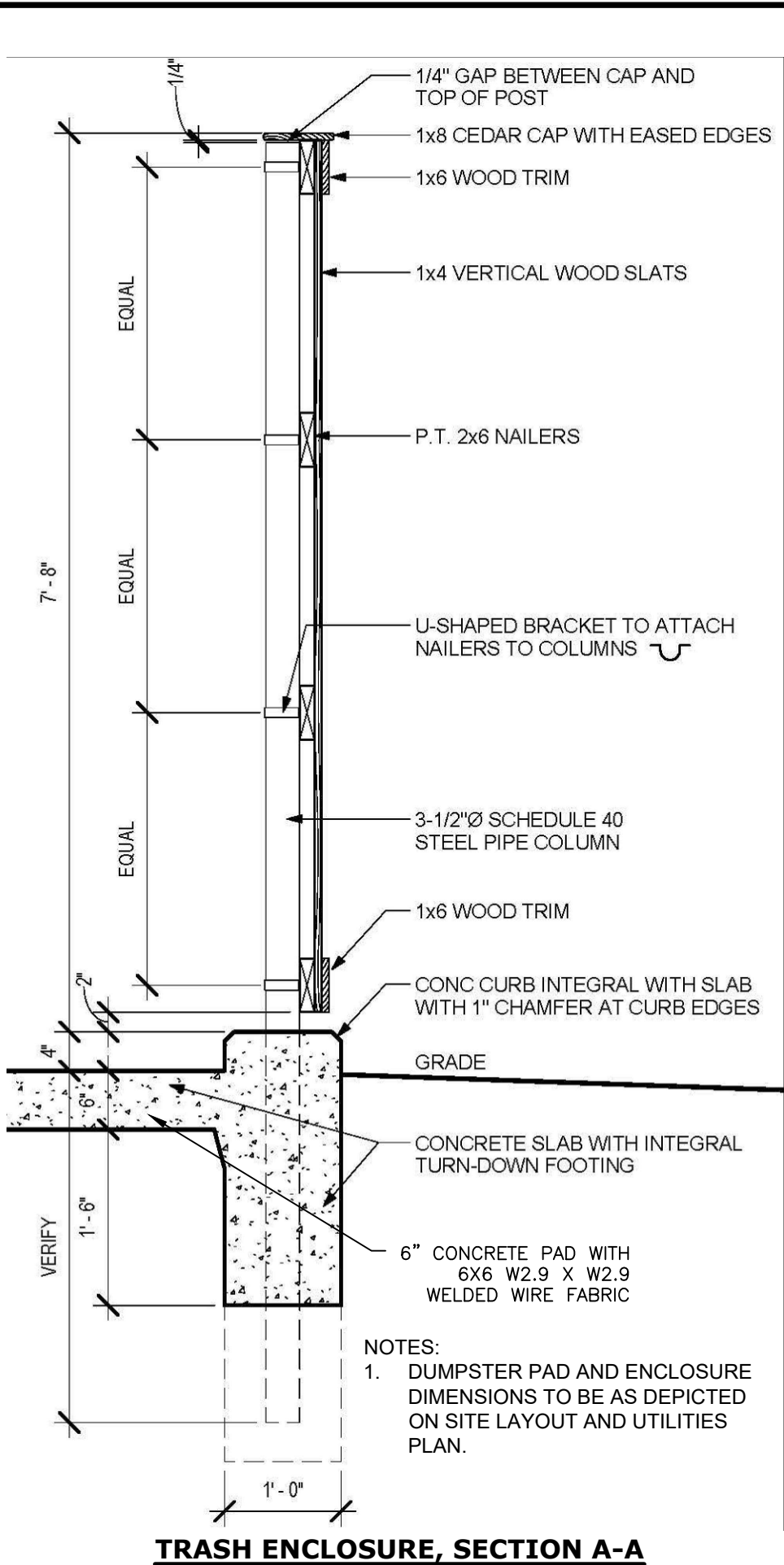
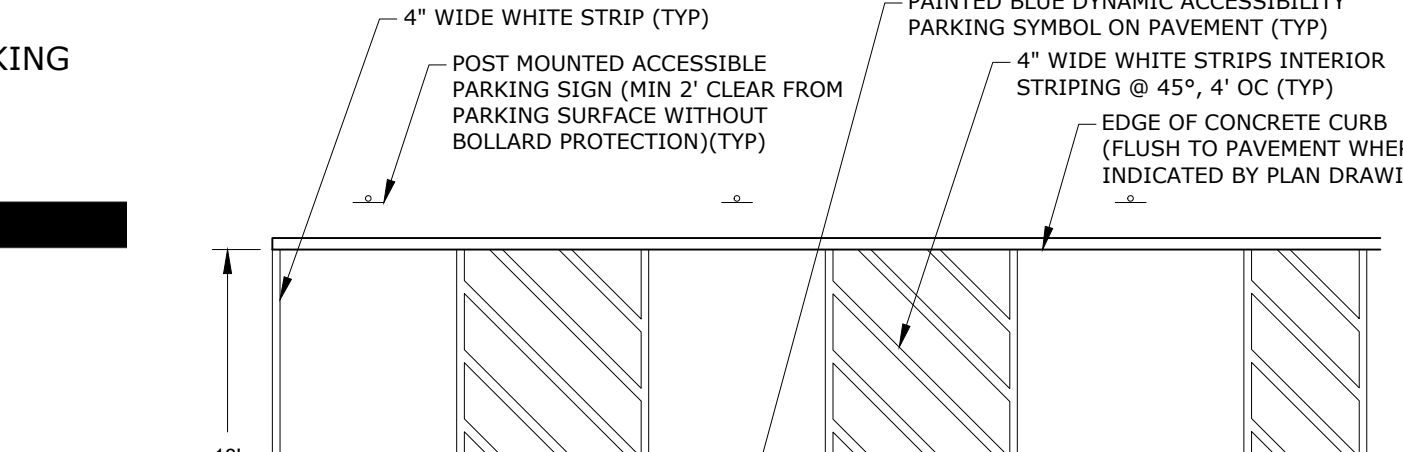
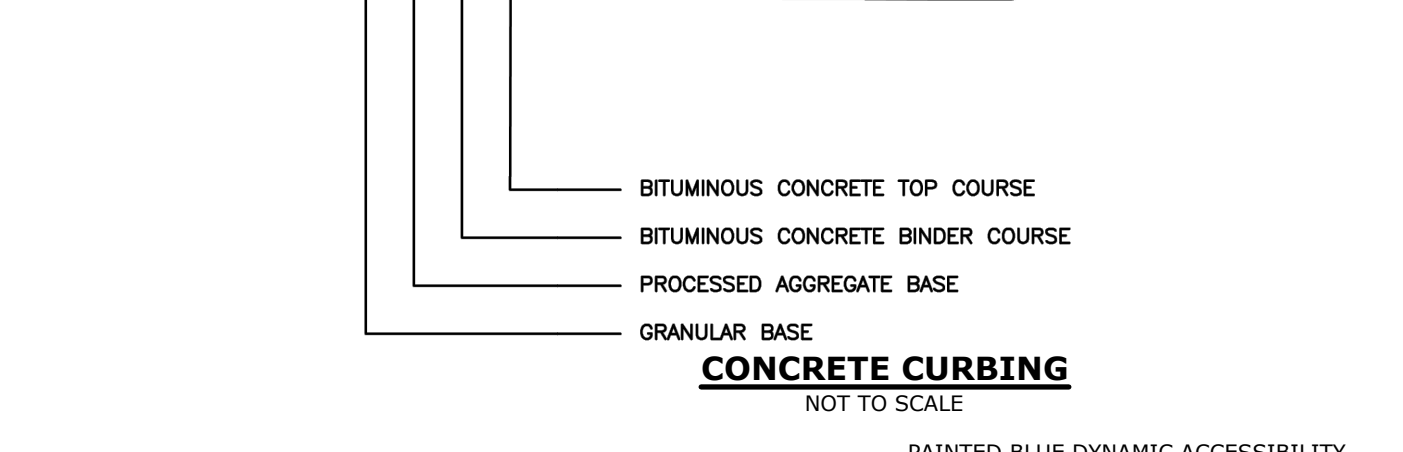
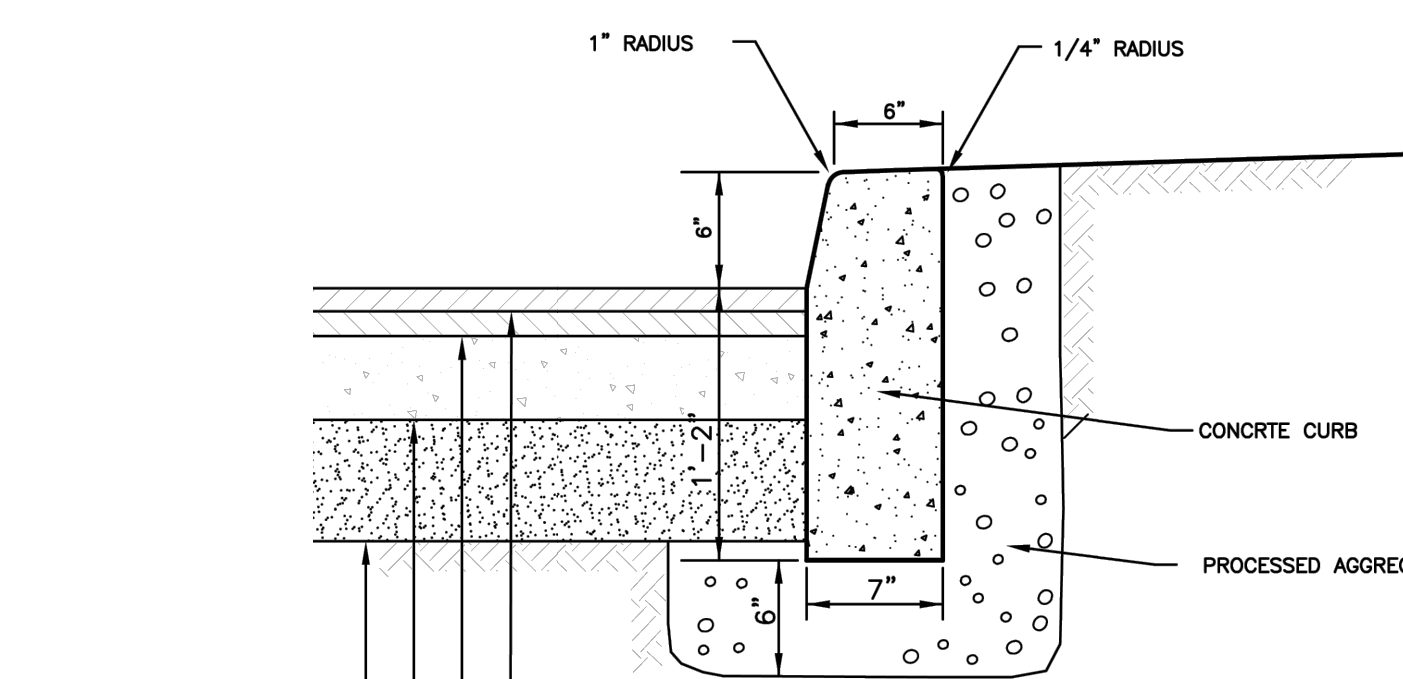
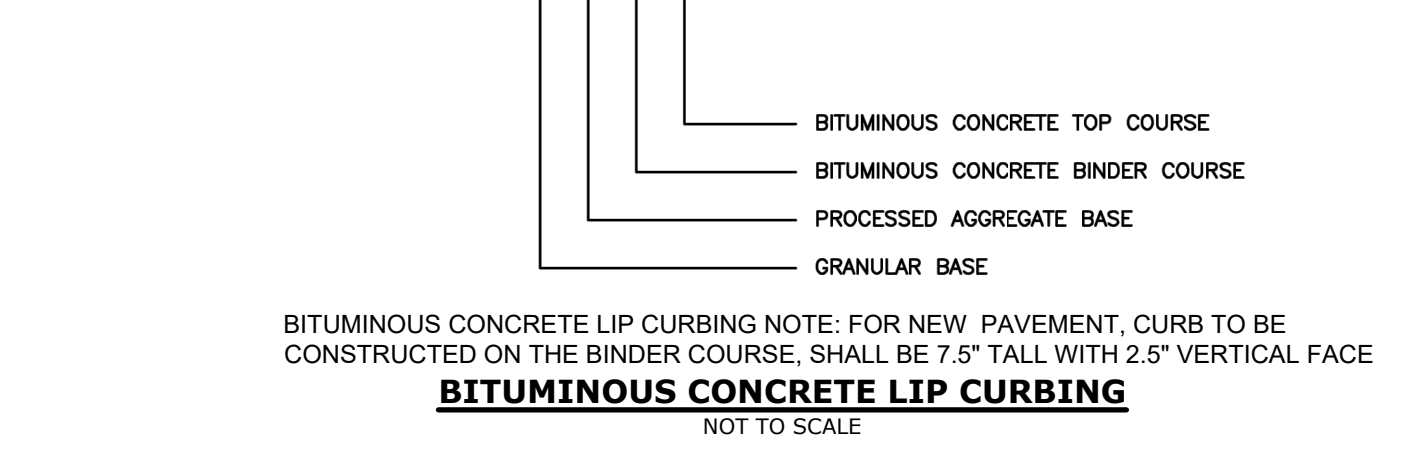
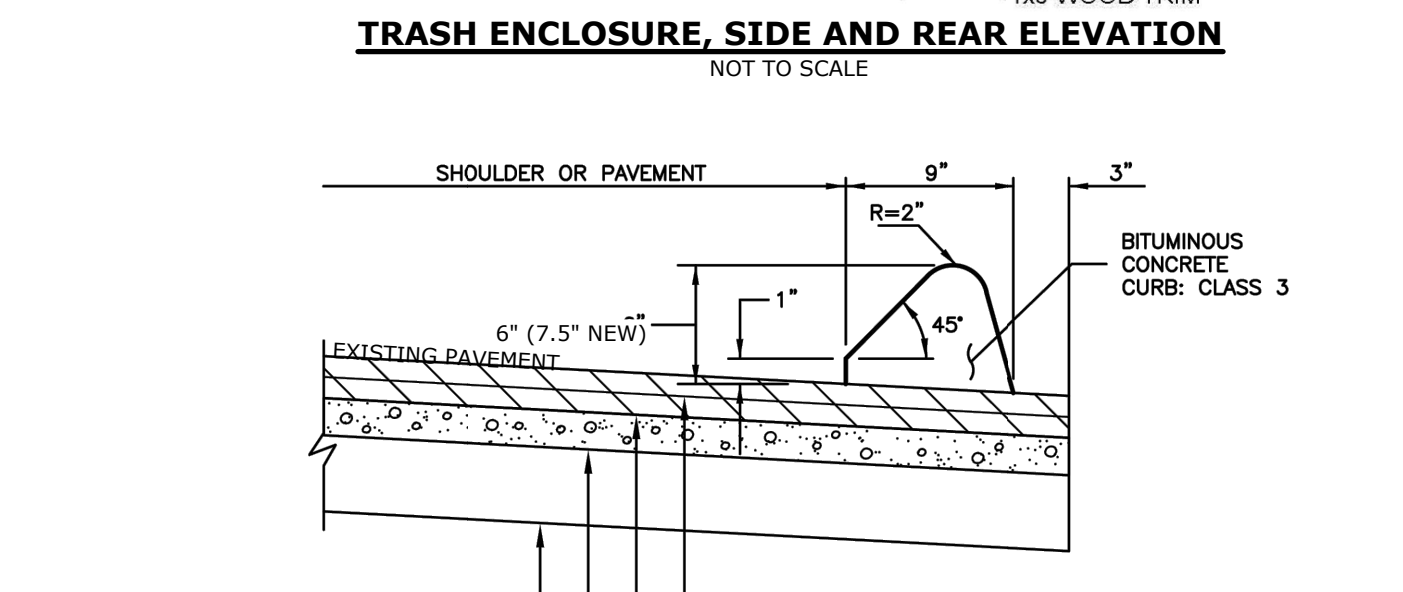
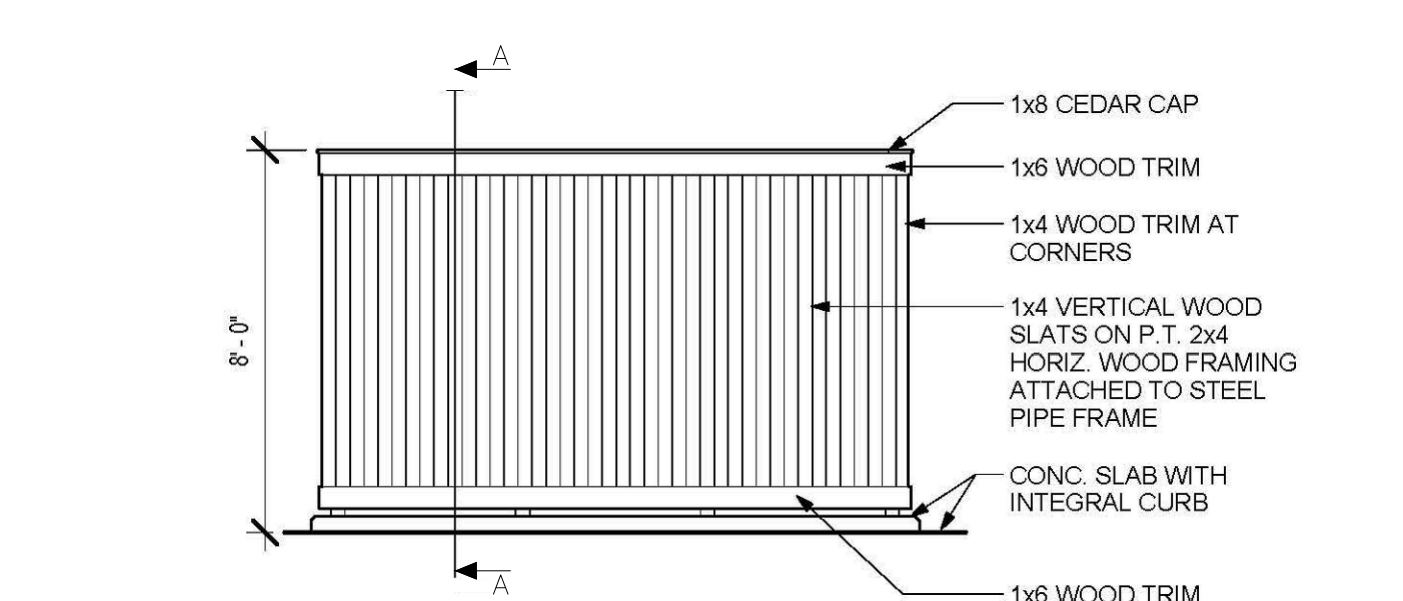
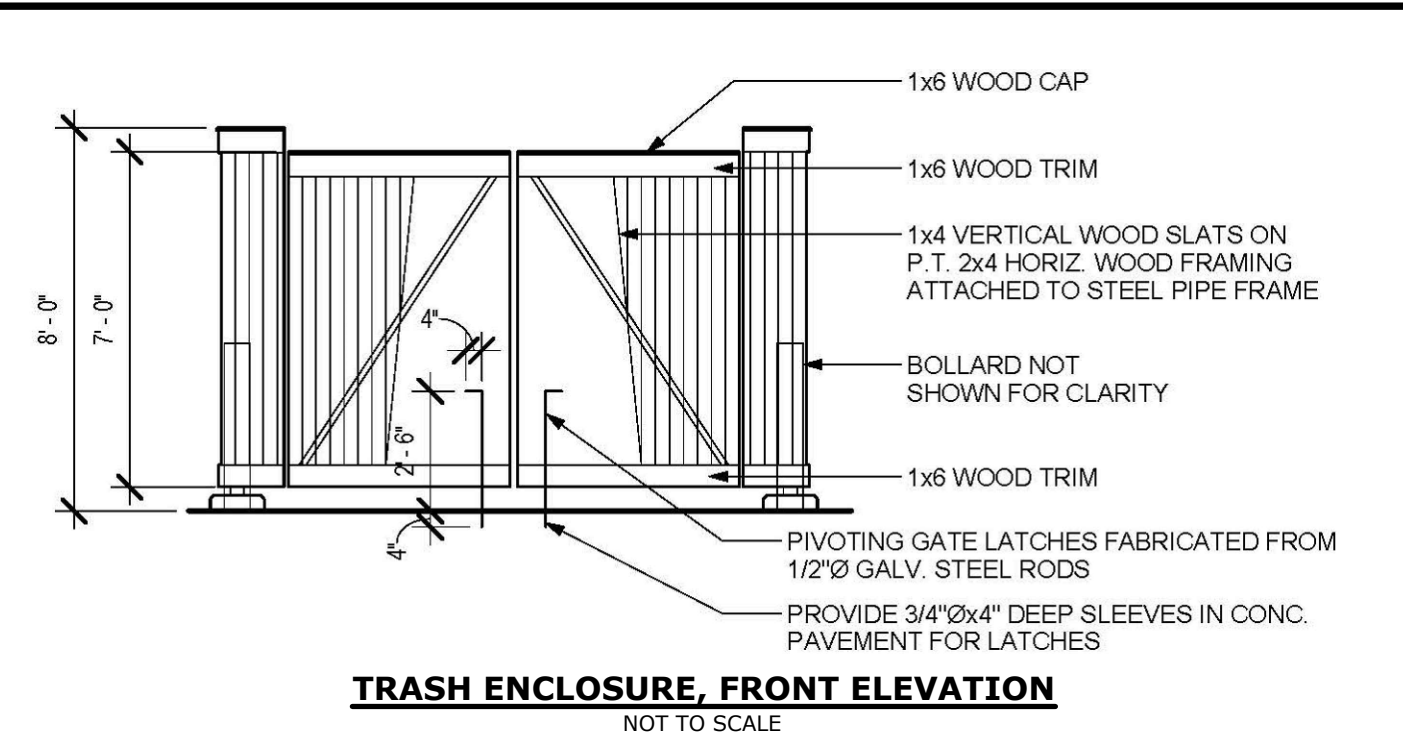
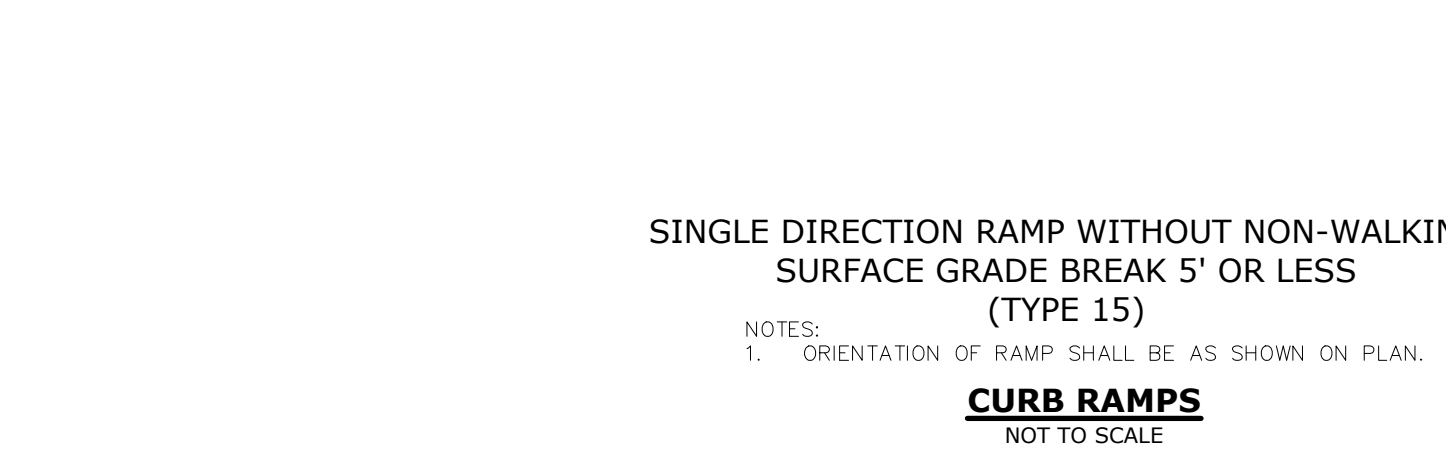
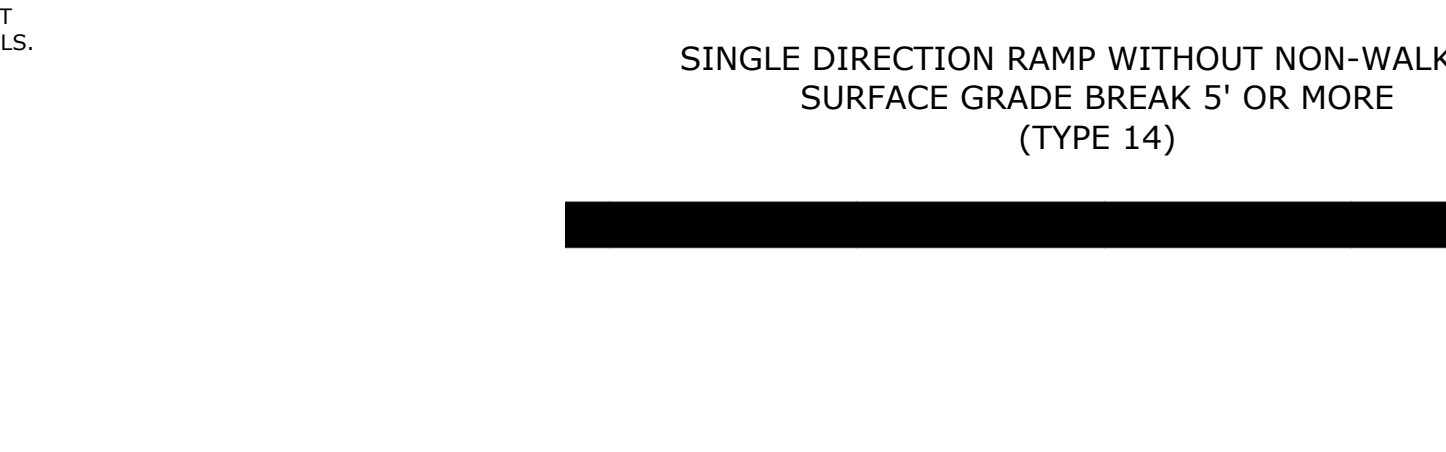
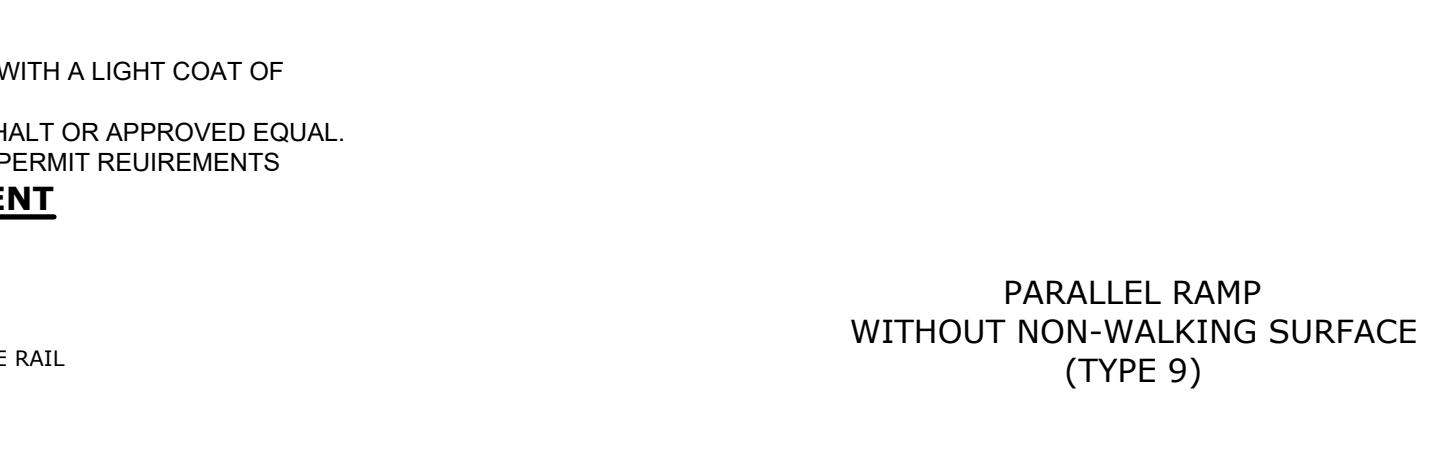
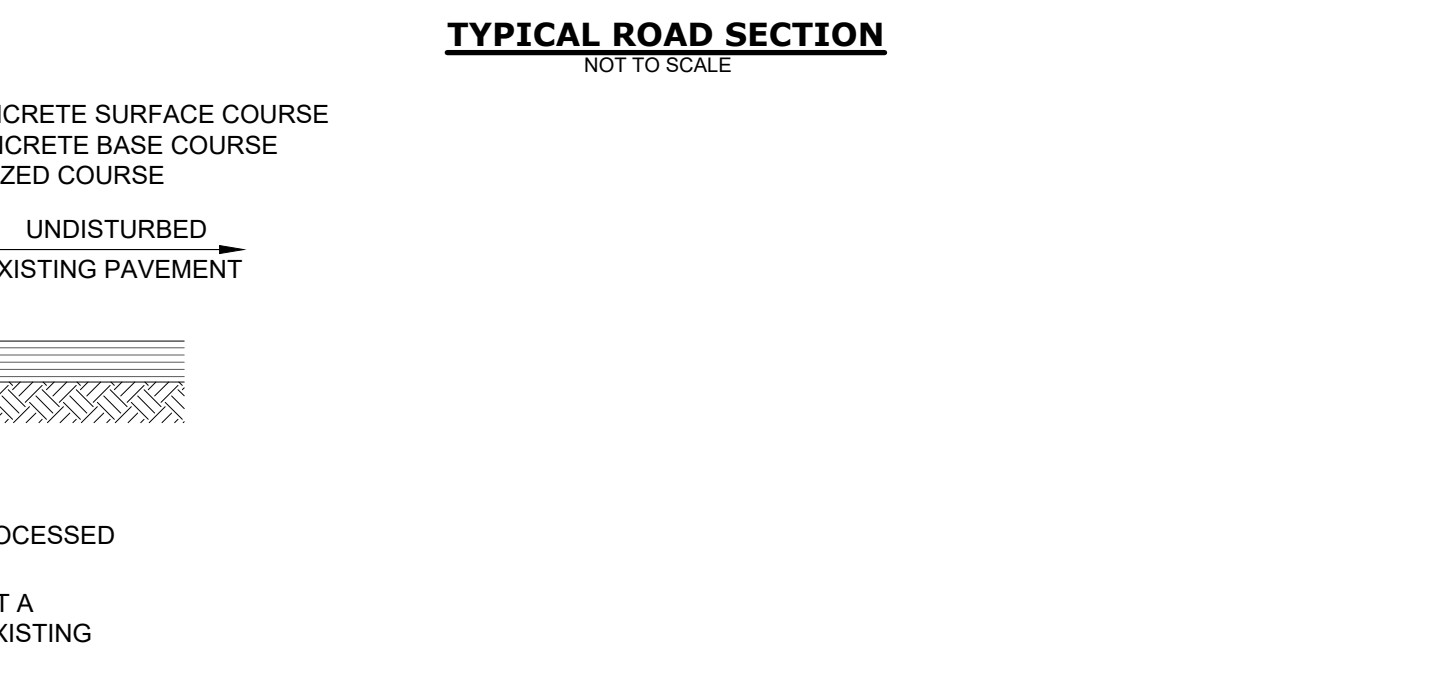
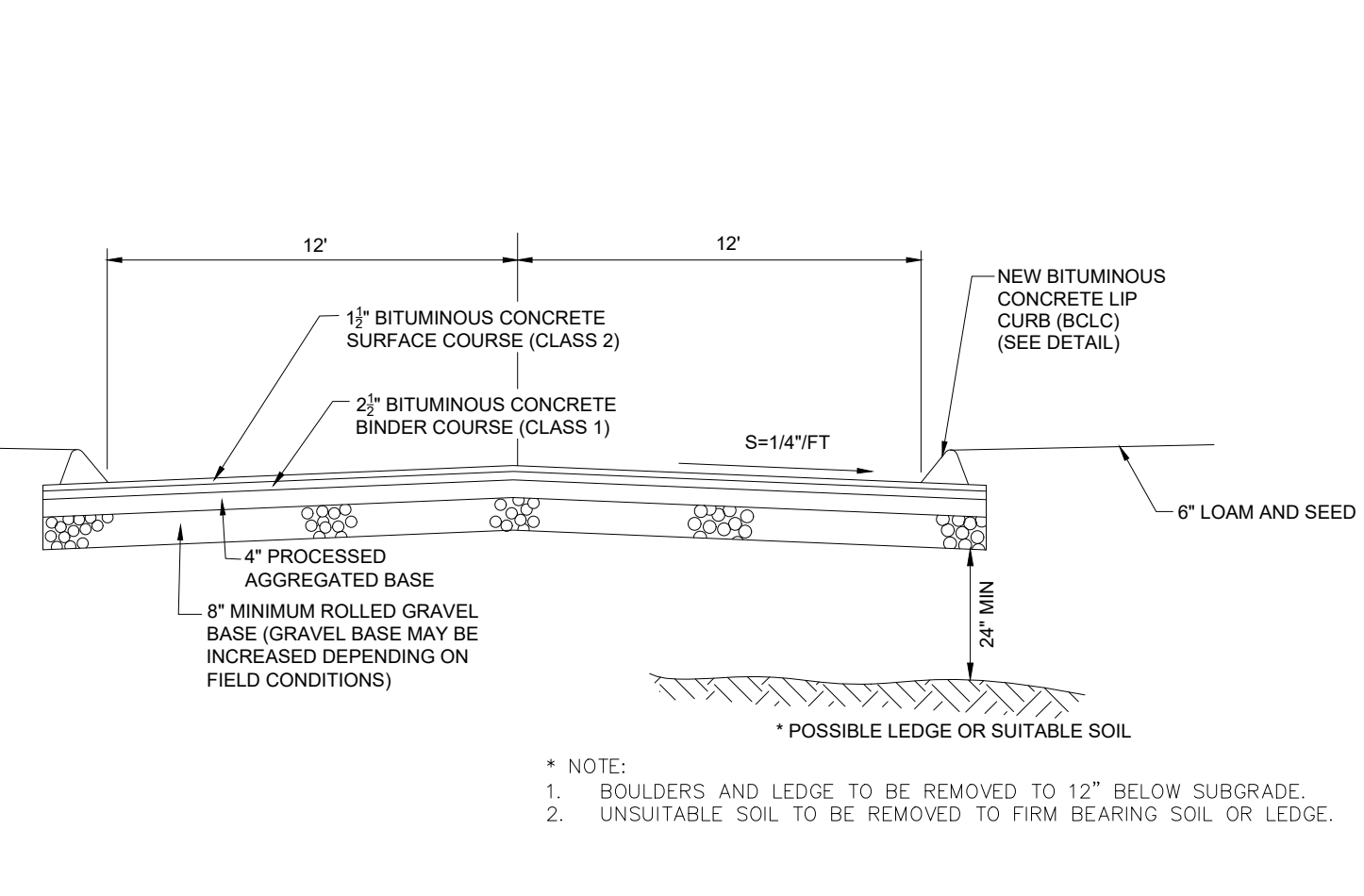
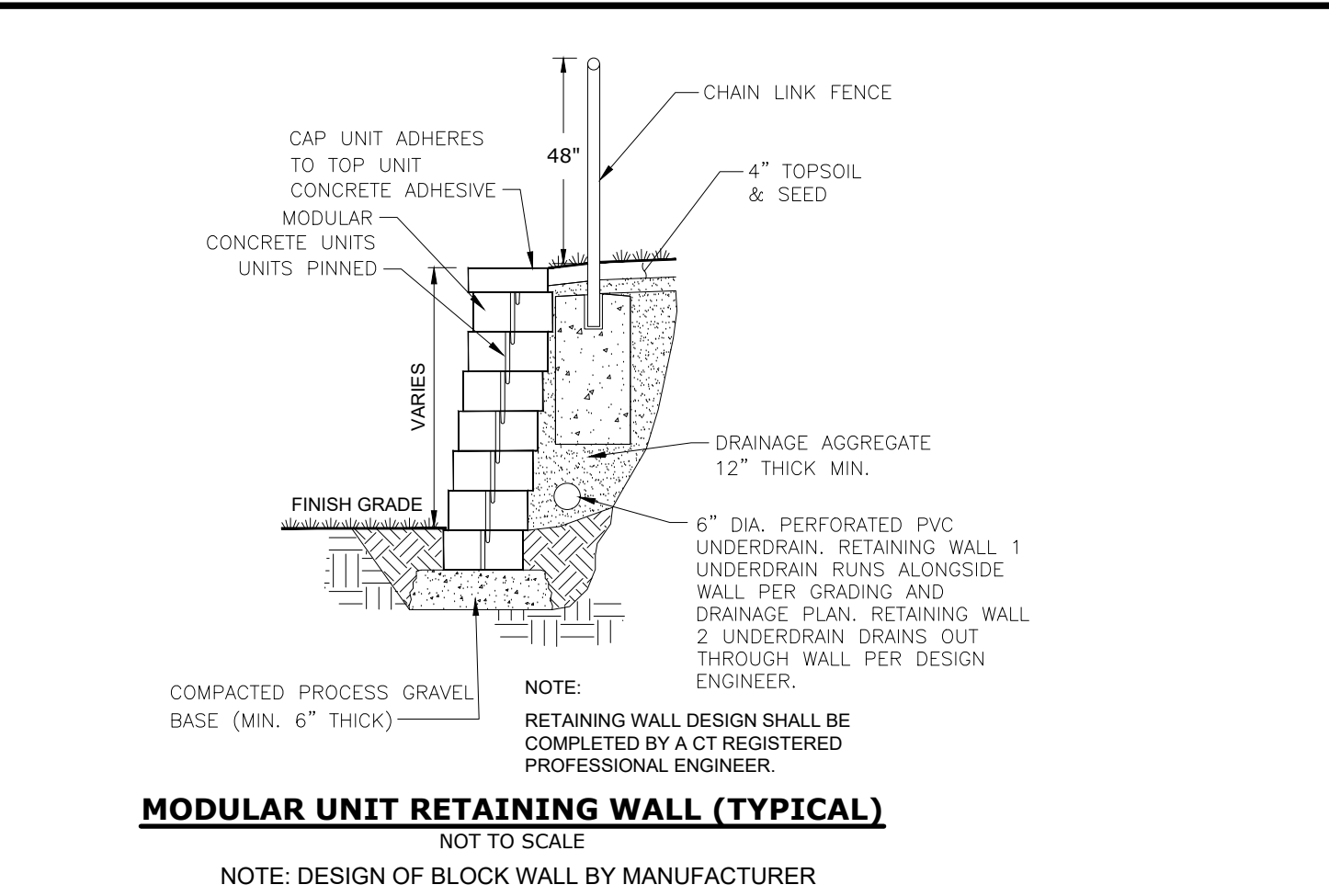
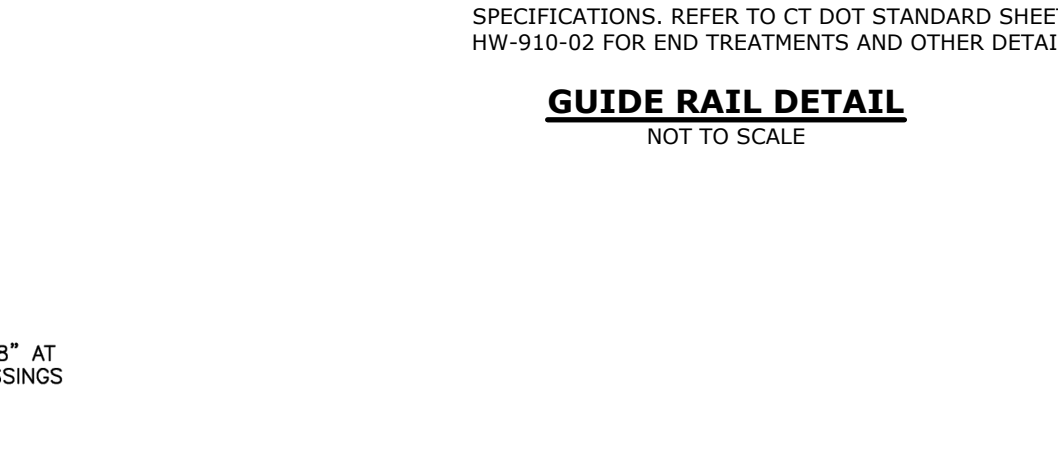
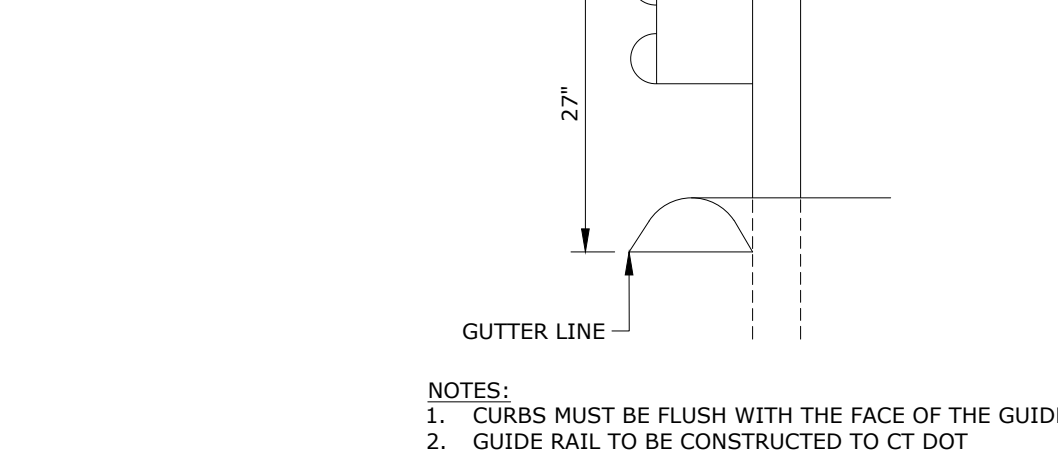
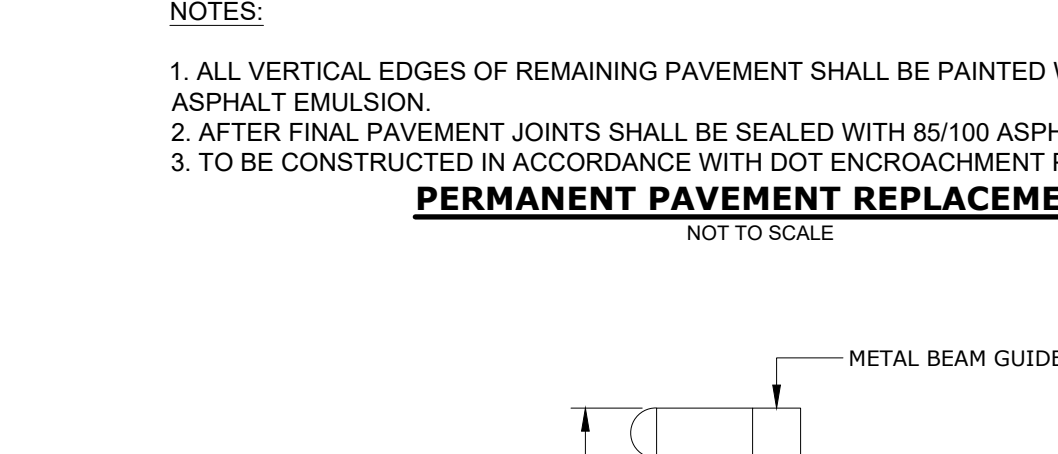
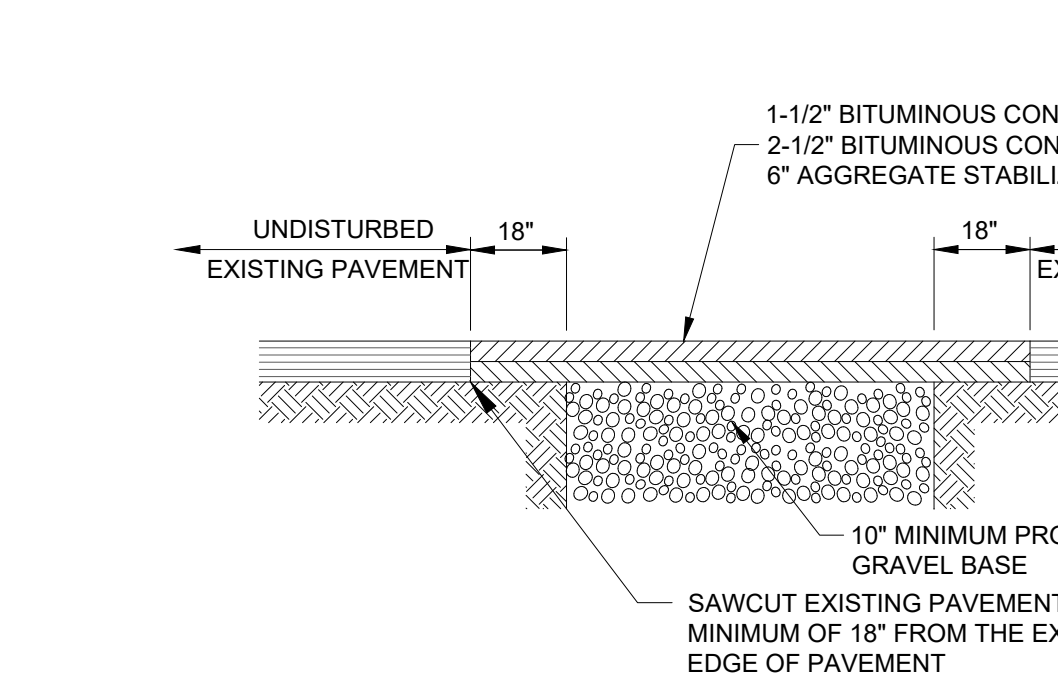
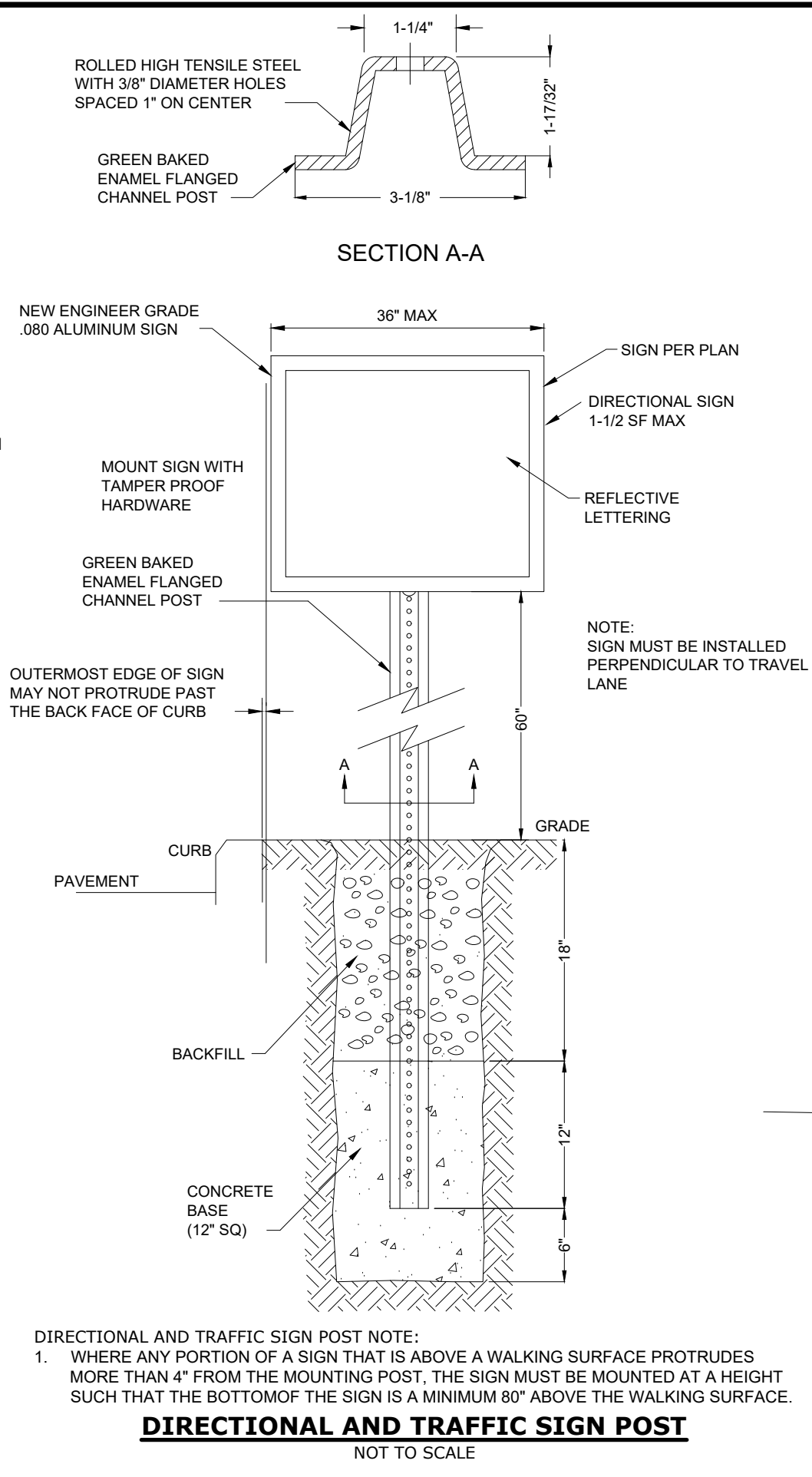
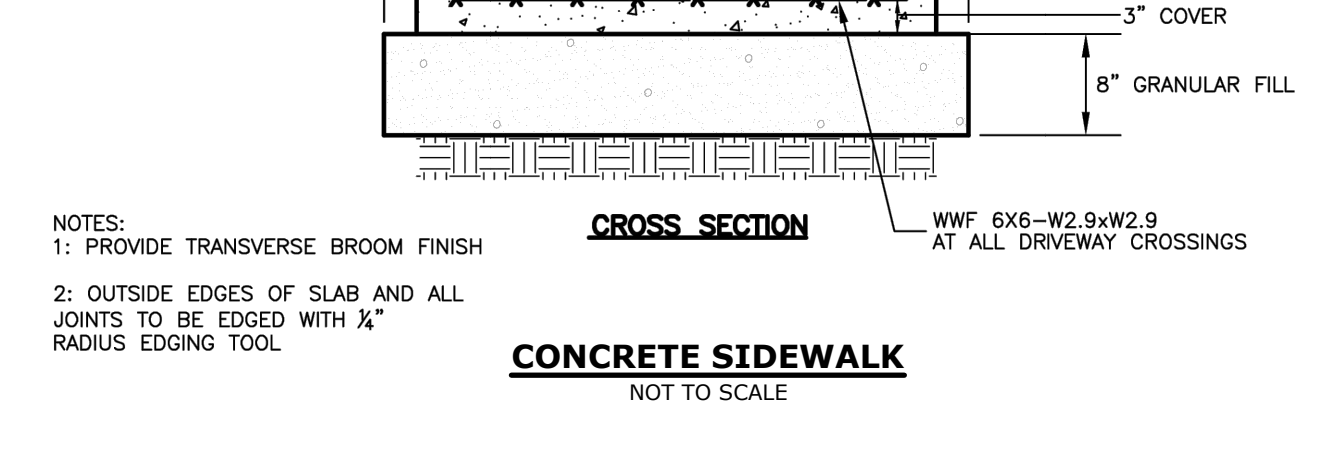
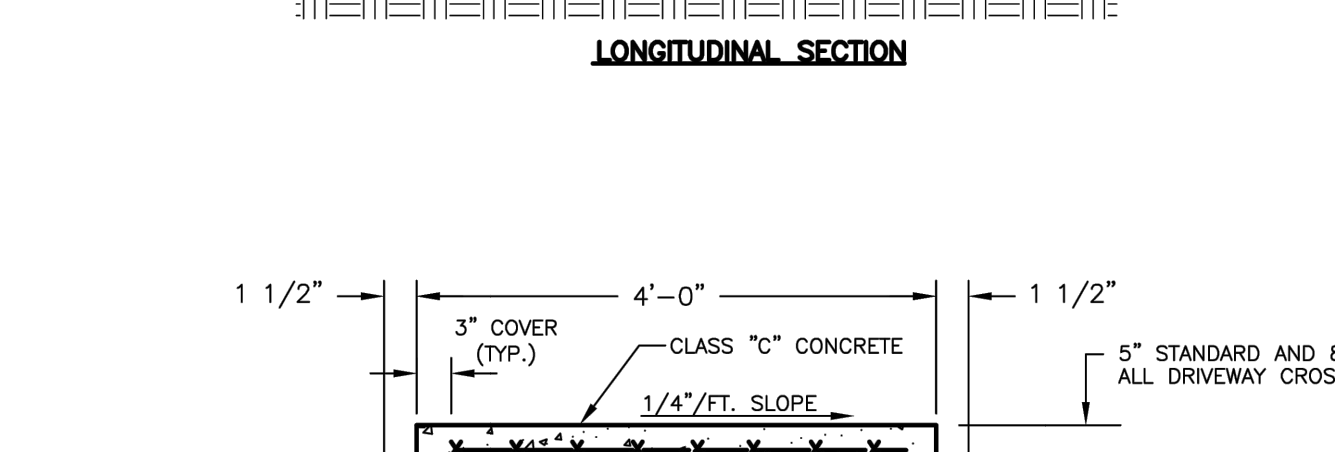
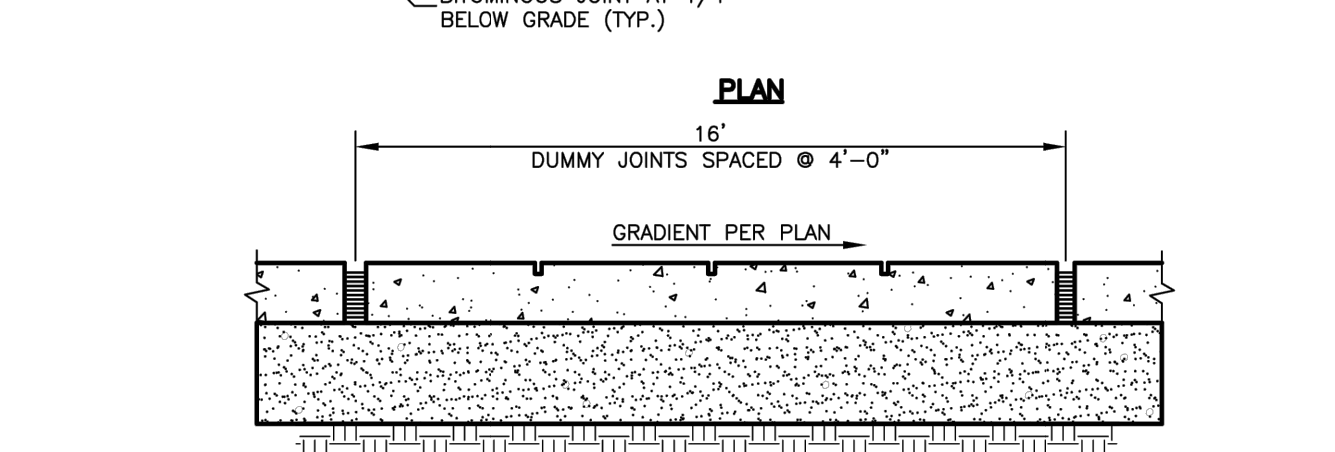
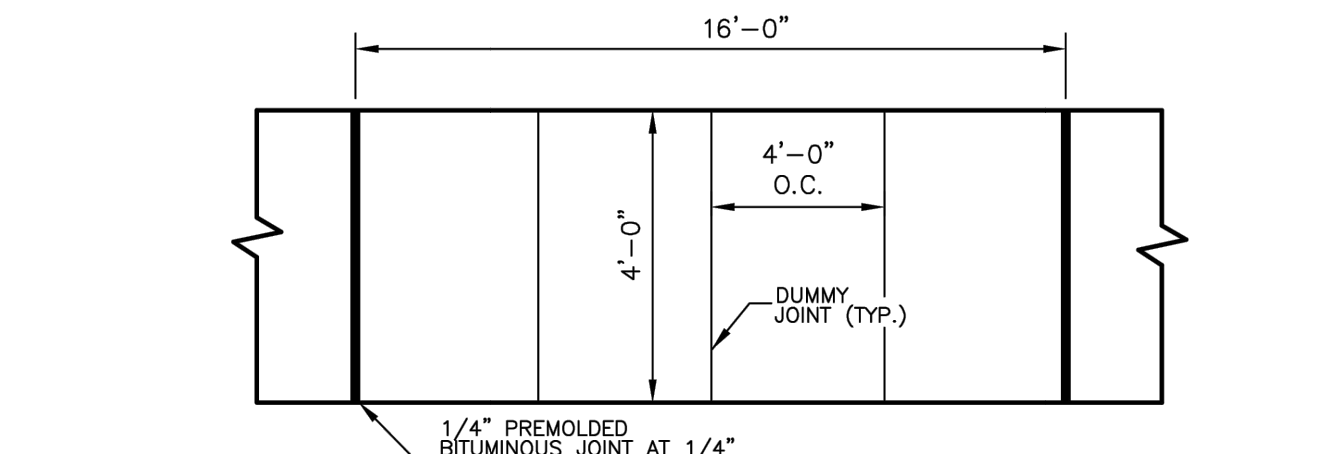
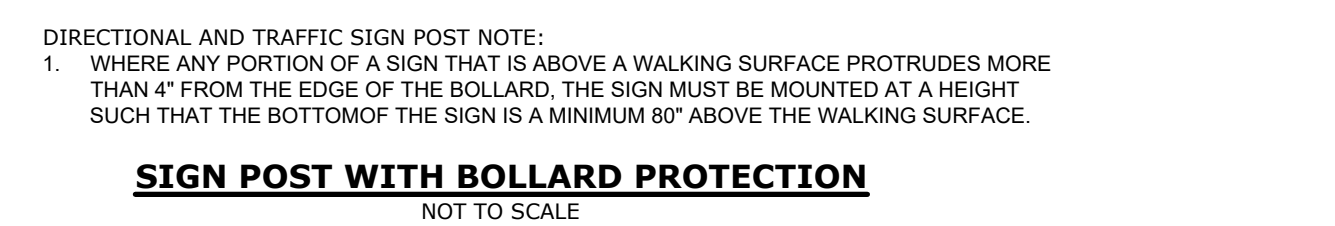
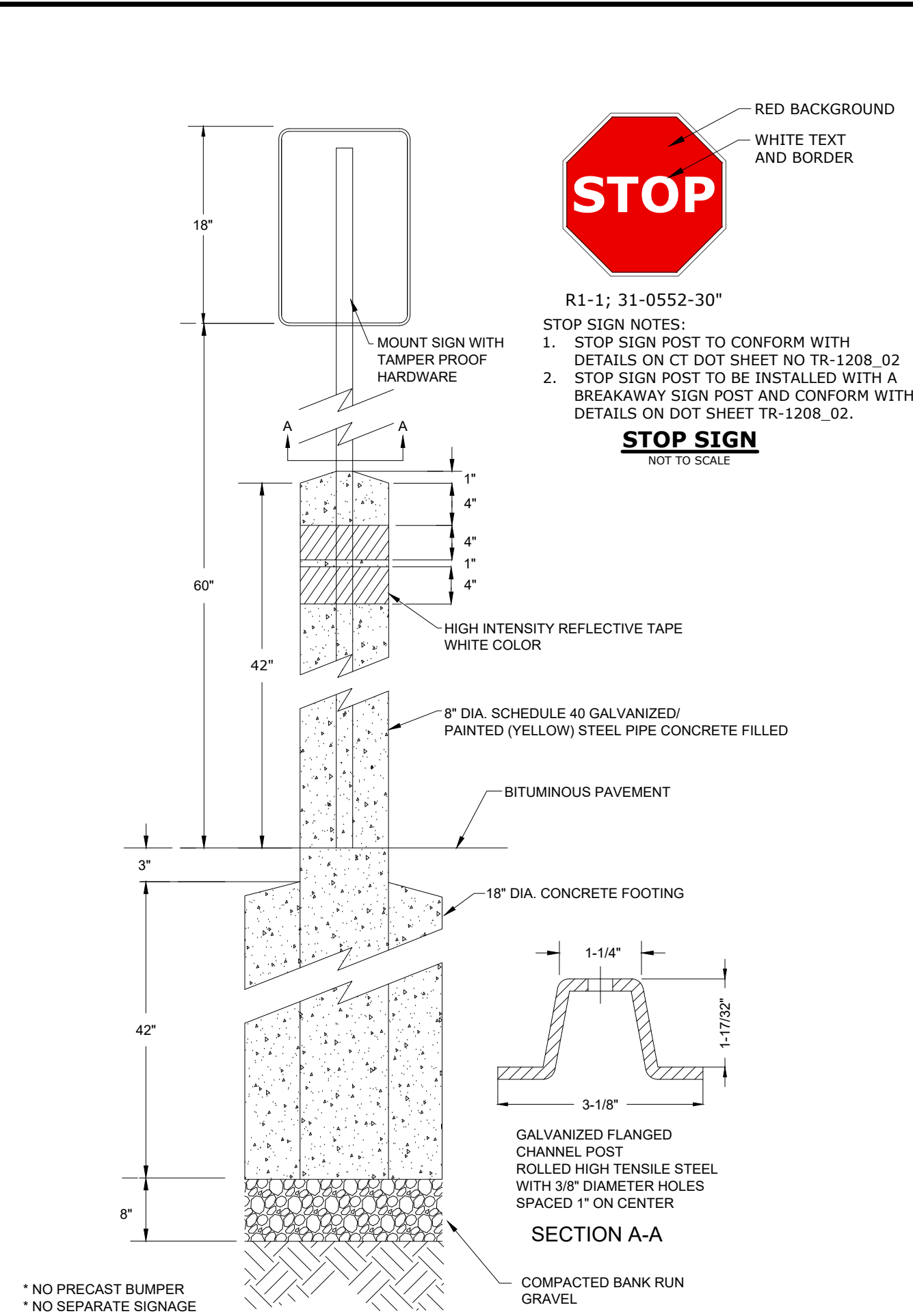
## LANDSCAPE PLAN

**SHANTOK VILLAGE**  
1758 ROUTE 32, MONTVILLE, CT 06382  
PREPARED FOR:  
**1758 RTE 32, LLC**  
24 MAIN STREET, CENTERBROOK, CT 06401

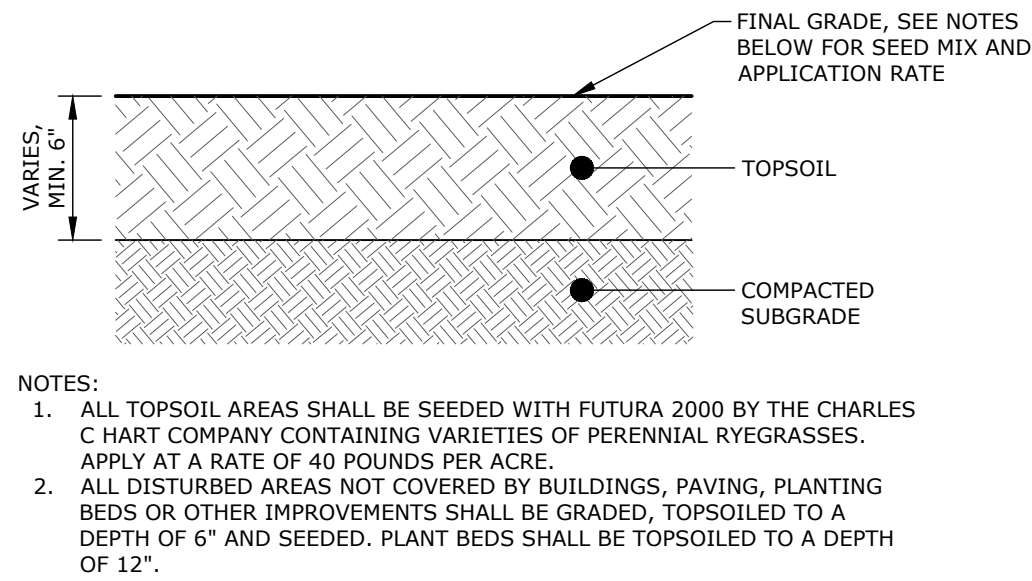
DRAWING  
**L-1**

SHEET NO.	13	NO. OF SHEETS	19
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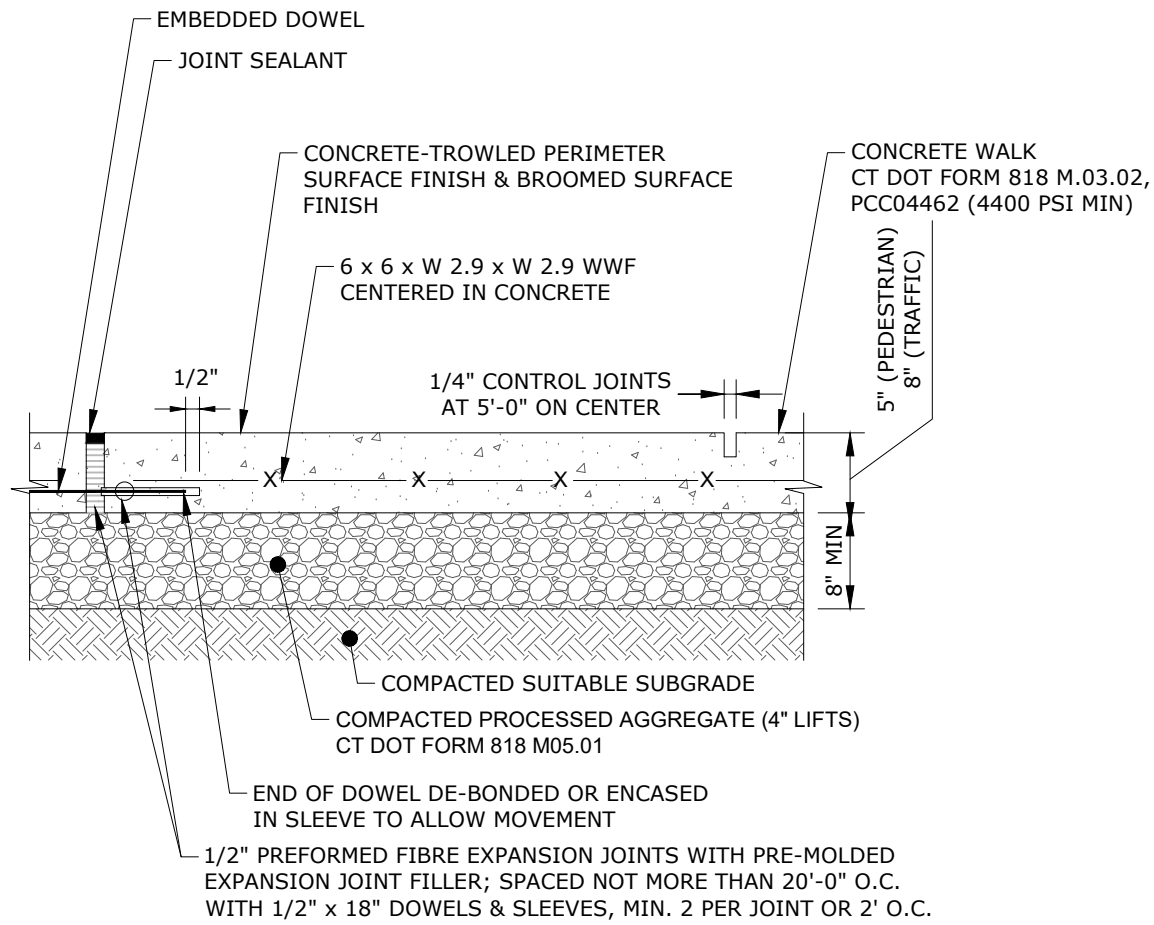
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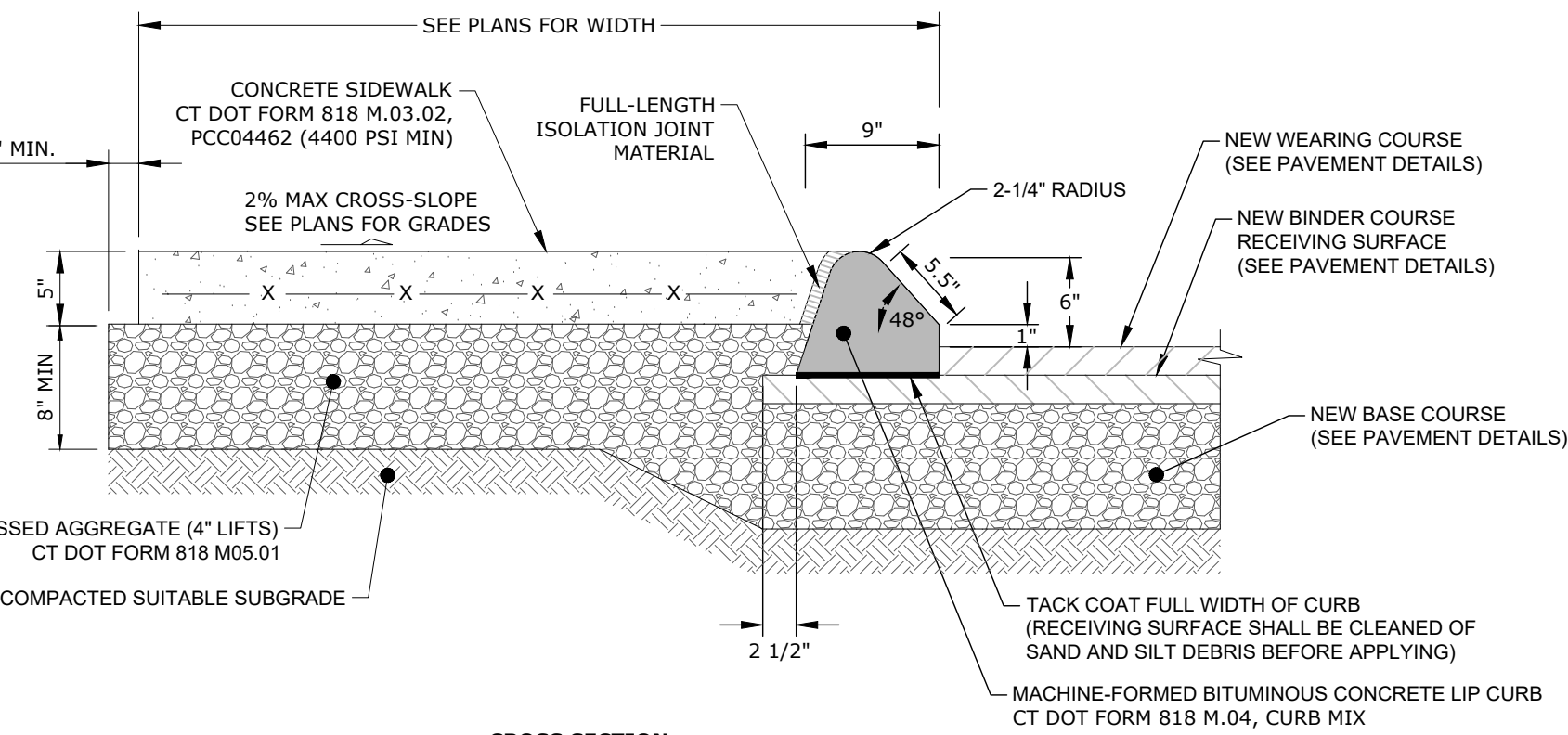
**TYPICAL CONCRETE STAIRS DETAIL**  
NOT TO SCALE

- NOTES:
1. ALL TOPSOIL AREAS SHALL BE SEEDED WITH FUTURA 2000 BY THE CHARLES C HART COMPANY CONTAINING VARIETIES OF PERENNIAL RYEGRASSES. APPLY AT A RATE OF 40 POUNDS PER ACRE.
  2. ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PAVING, PLANTING BEDS OR OTHER IMPROVEMENTS SHALL BE GRADED, TOPSOILED TO A DEPTH OF 6" AND SEEDED. PLANT BEDS SHALL BE TOPSOILED TO A DEPTH OF 12".



- ### LONGITUDINAL SECTION

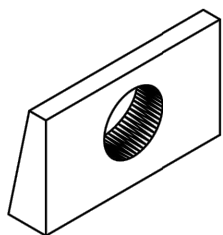
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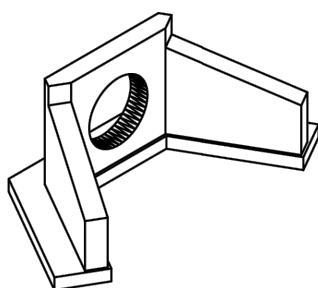
### CROSS SECTION

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### SIDE VIEW



### STANDARD ENDWALL



CUSTOM ENDWALL  
w/WINGWALLS AVAILABLE  
UPON REQUEST



UNITED CONCRETE PRODUCTS INC.

173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941  
YALESVILLE, CT 06492 (203) 269-3119

	STANDARD ENDWALLS						
	PIPE SIZE	OPG. SIZE	A	B	C	D	WEIGHT
IN STOCK ITEM	12" RCP	20 1/2"	54"	54"	24"	20"	4600 LBS.
IN STOCK ITEM	15" RCP	24"	66"	57"	24"	19 1/2"	5300 LBS.
IN STOCK ITEM	18" RCP	26 1/8"	78"	60"	25"	20"	7000 LBS.
IN STOCK ITEM	24" RCP	32 1/2"	102"	66"	26"	20"	10200 LBS.
	30" RCP	42"	126"	72"	27"	20"	13600 LBS.
	36" RCP	48 1/8"	150"	78"	32"	18"	19400 LBS.
	42" RCP	54"	174"	84"	33"	18"	25000 LBS.
	48" RCP	62"	198"	90"	36"	17"	32000 LBS.

- NOTES:**
1. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615/A706, GRADE 60.
  2. CONCRETE COMPRESSIVE STRENGTH- 4,000 PSI AT 28 DAYS SELF COMPACTING CONCRETE MIX.
  3. METHOD OF MANUFACTURE: WET CAST.
  4. CONFORMS TO CTDOT STANDARD DRAWING #506.



NOT TO SCALE  
References: Developed from Thompson Fabricating, LLC Tarrant, AL (website).  
and ADA/IBC Public Access/OSHA Handrail Details-Nov. 2016

### CONCRETE SIDEWALK AGAINST BCLC DETAIL

NOT TO SCALE

APPROVED BY THE MONTVILLE PLANNING AND ZONING COMMISSION ON \_\_\_\_\_

APPROVAL EXPIRES FIVE (5) YEARS FROM APPROVAL DATE

DATE \_\_\_\_\_

CHAIRMAN/SECRETARY

DATE \_\_\_\_\_

**SHANTOK VILLAGE**  
1758 ROUTE 32, MONTVILLE, CT 06382

PREPARED FOR:  
**1758 RTE 32, LLC**

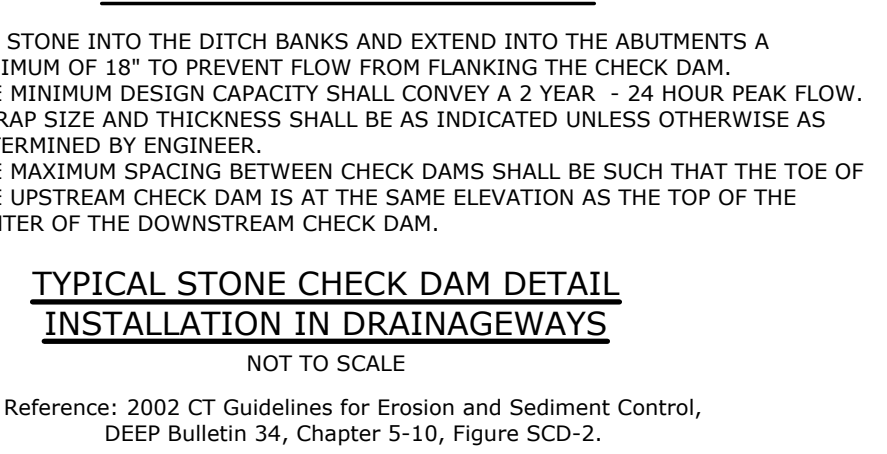
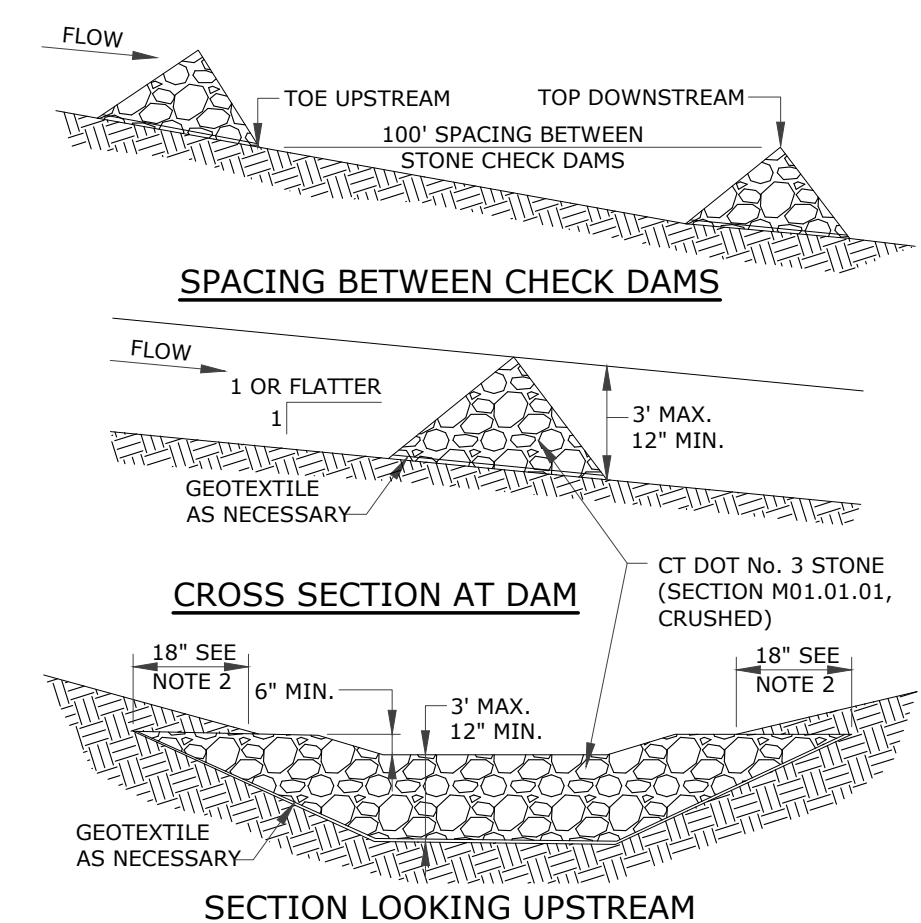
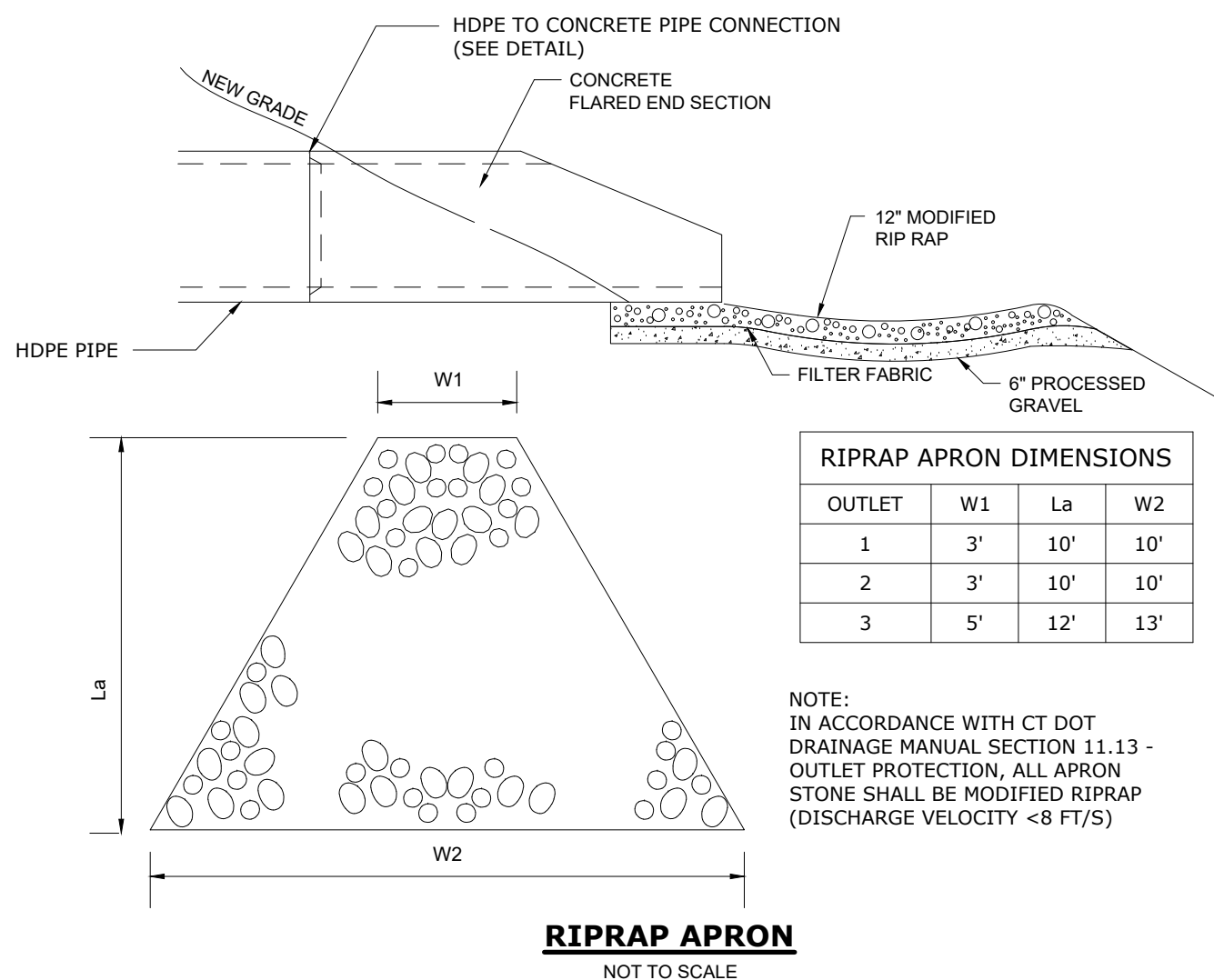
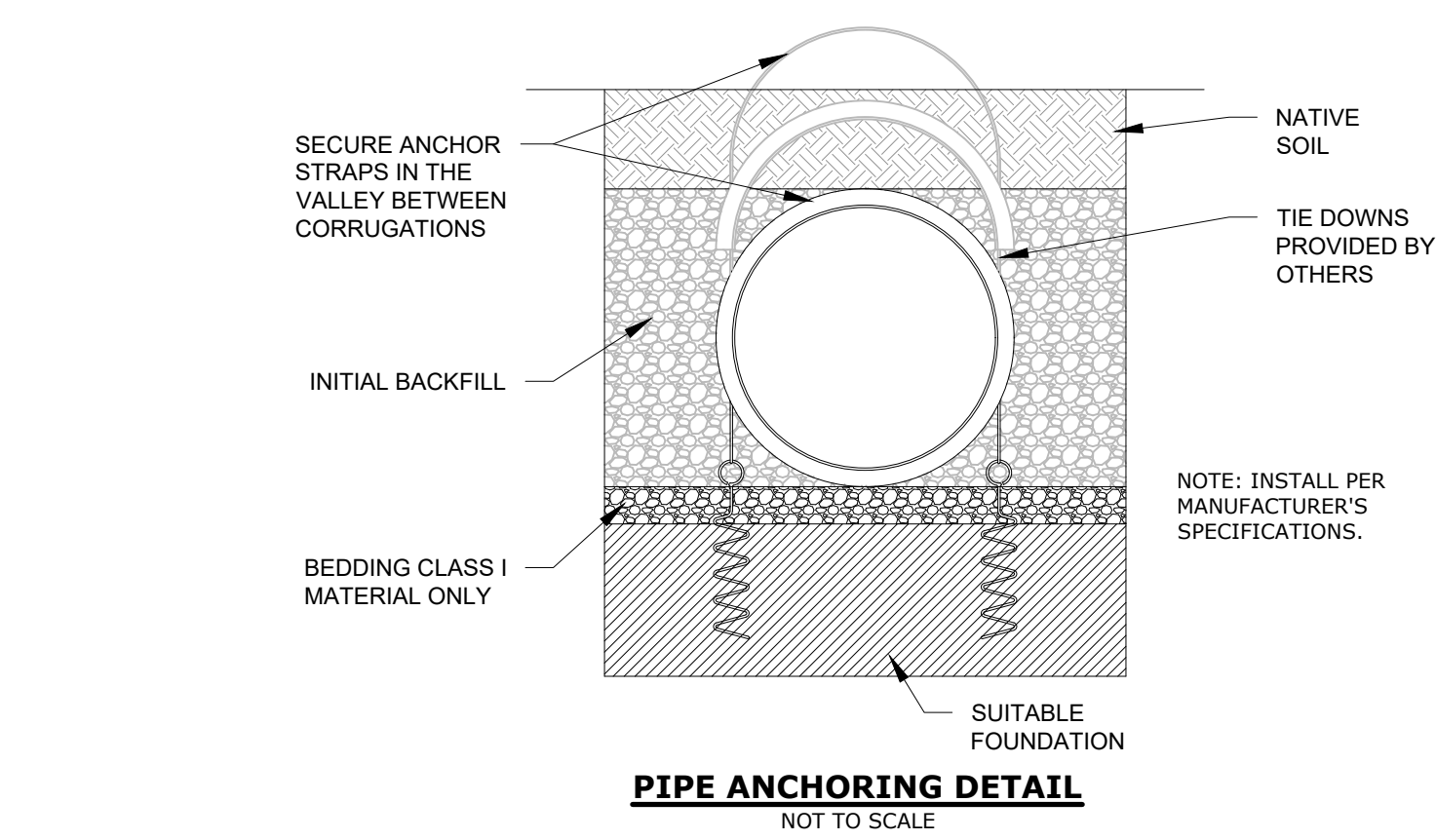
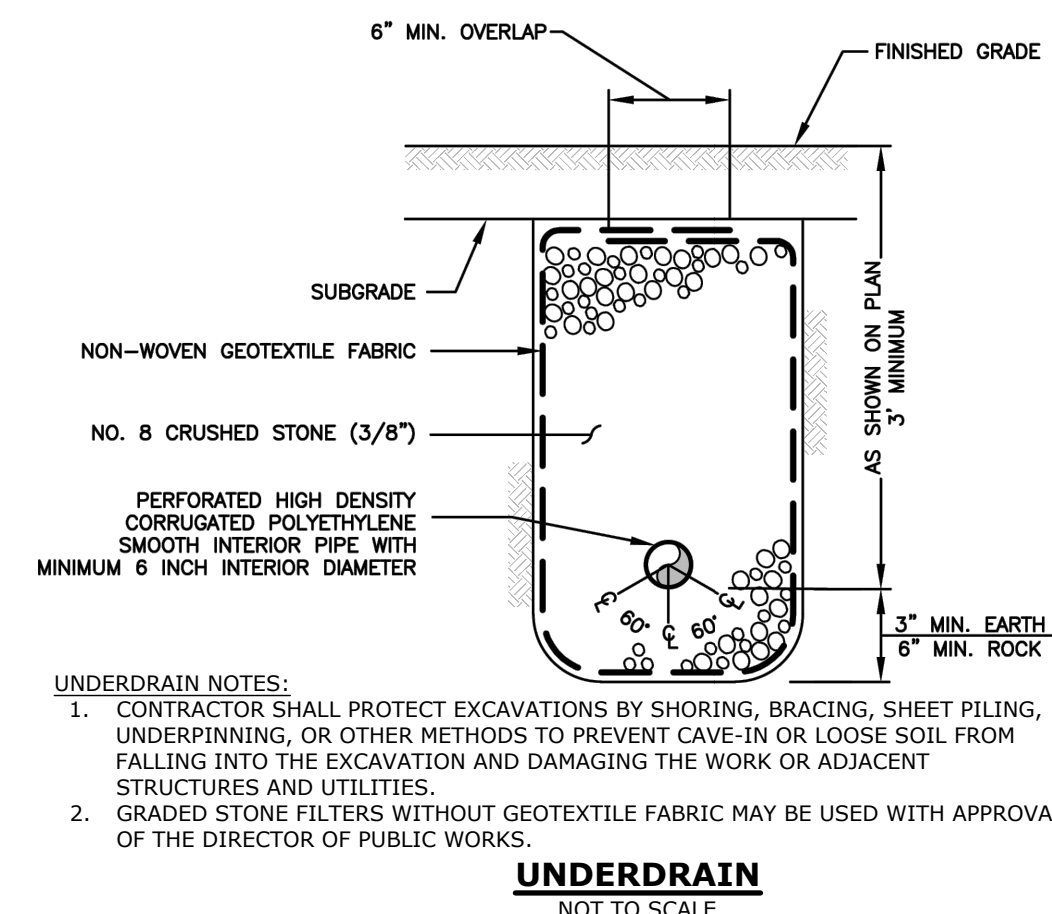
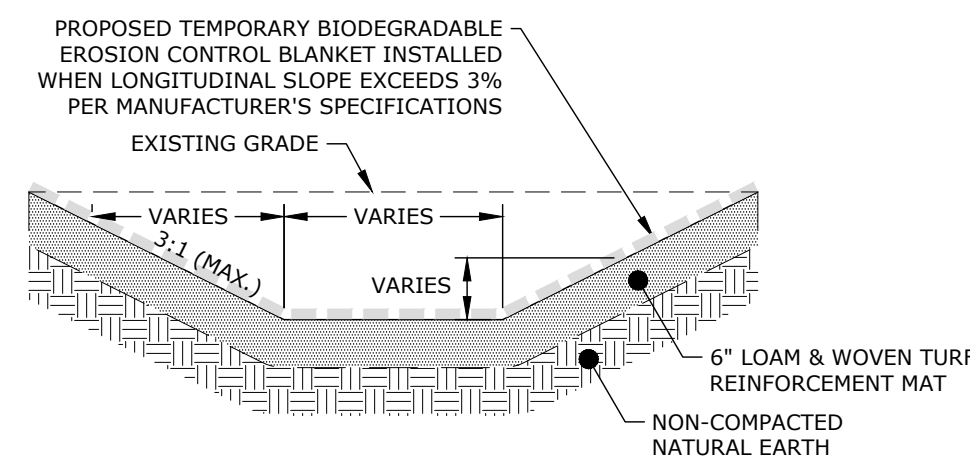
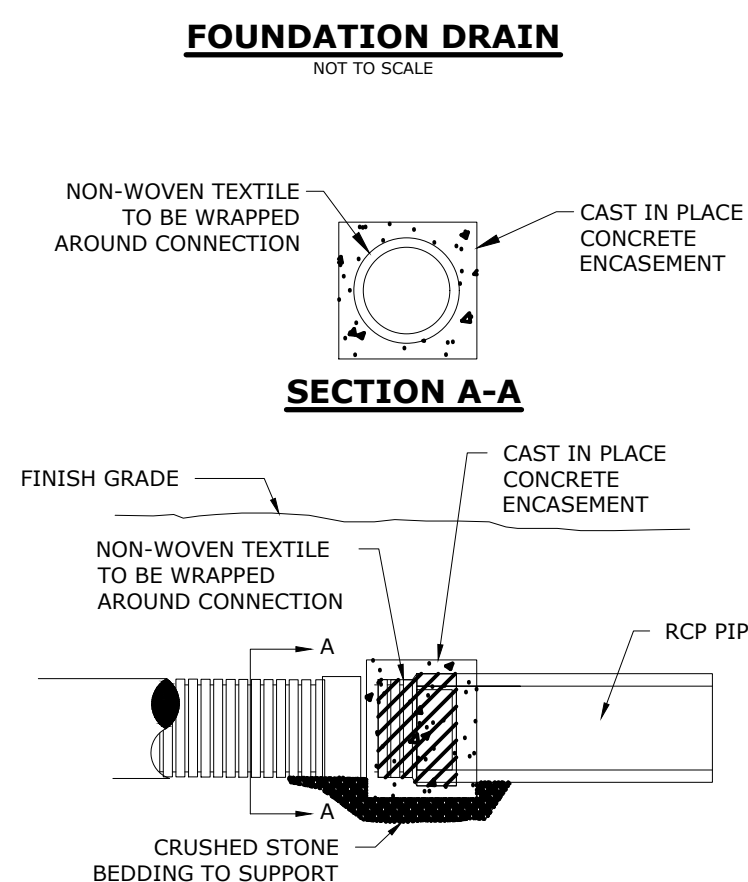
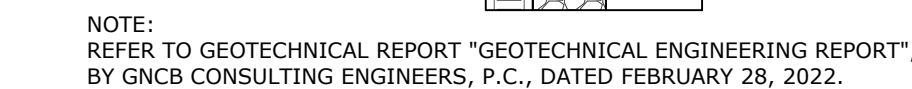
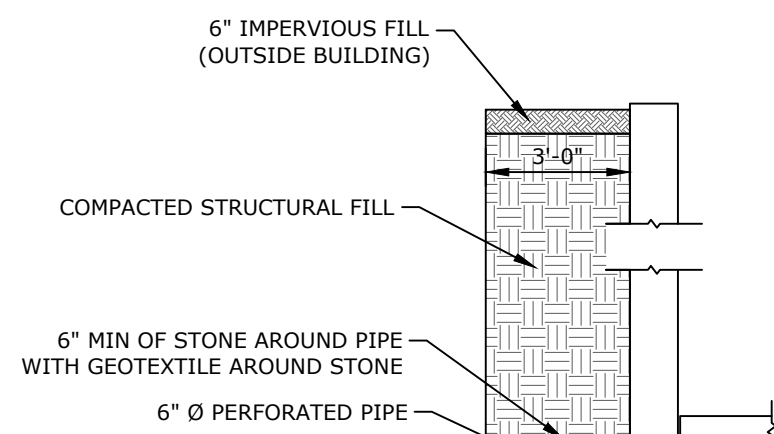
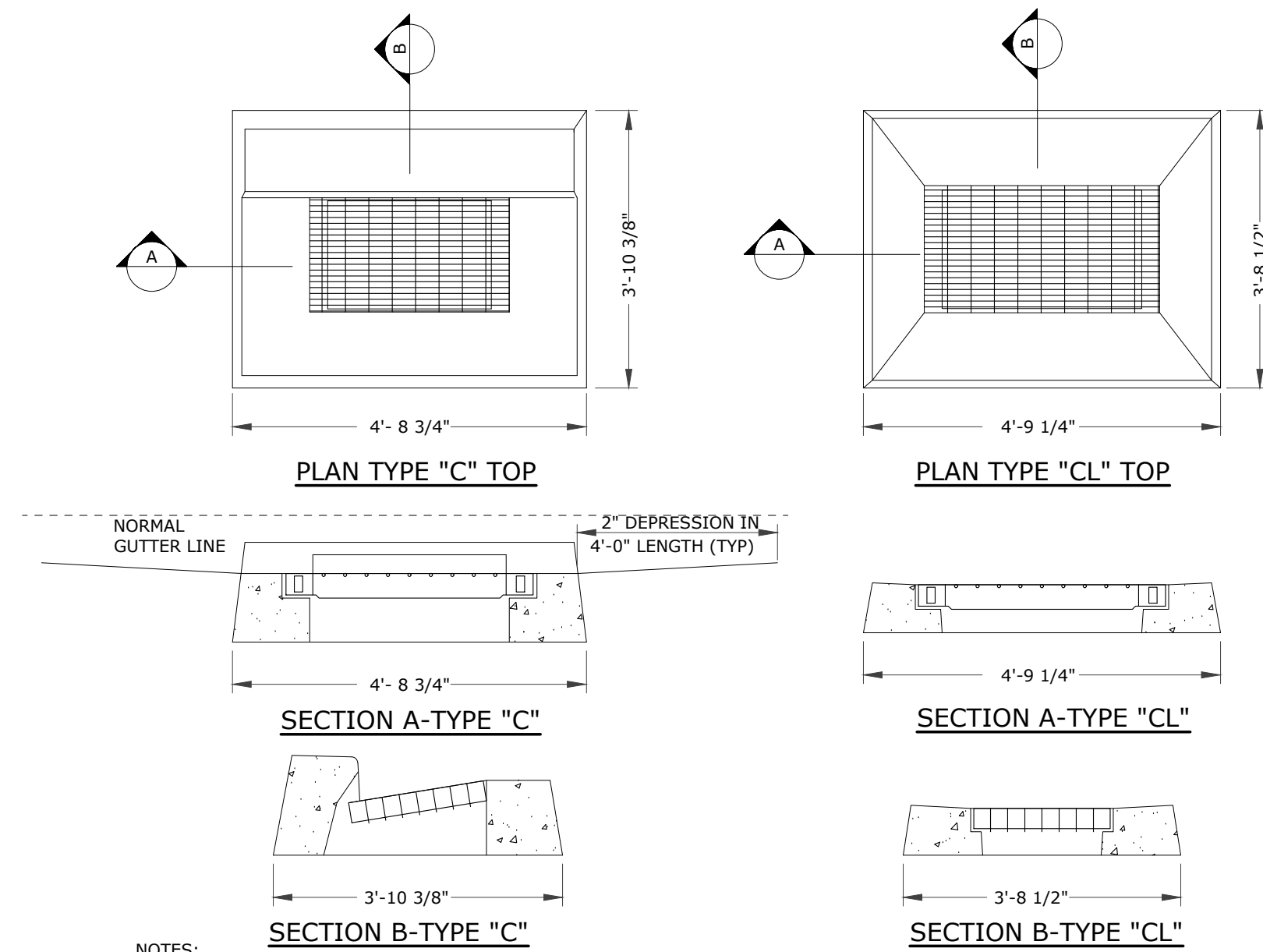
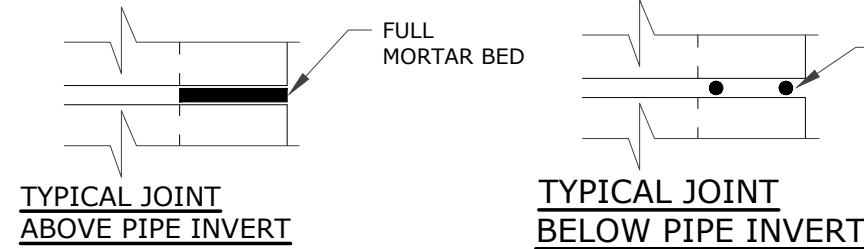
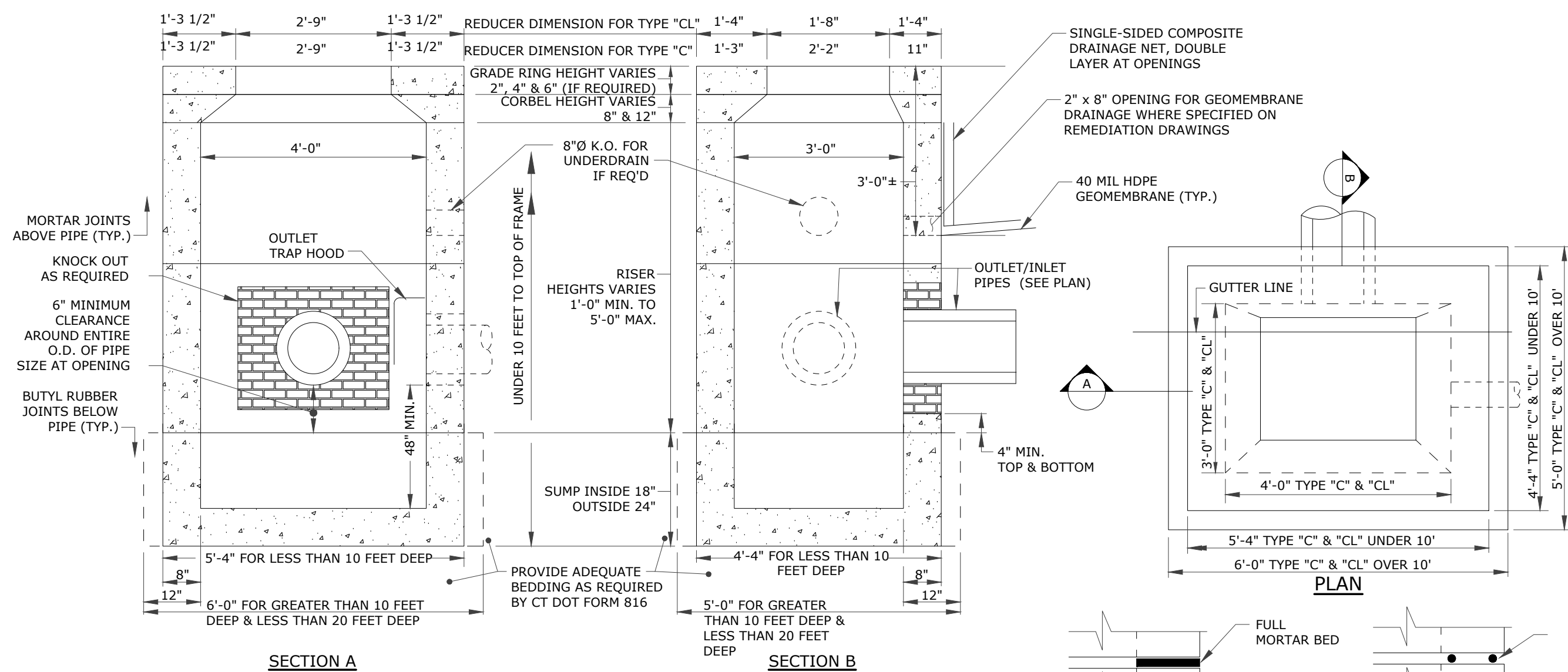
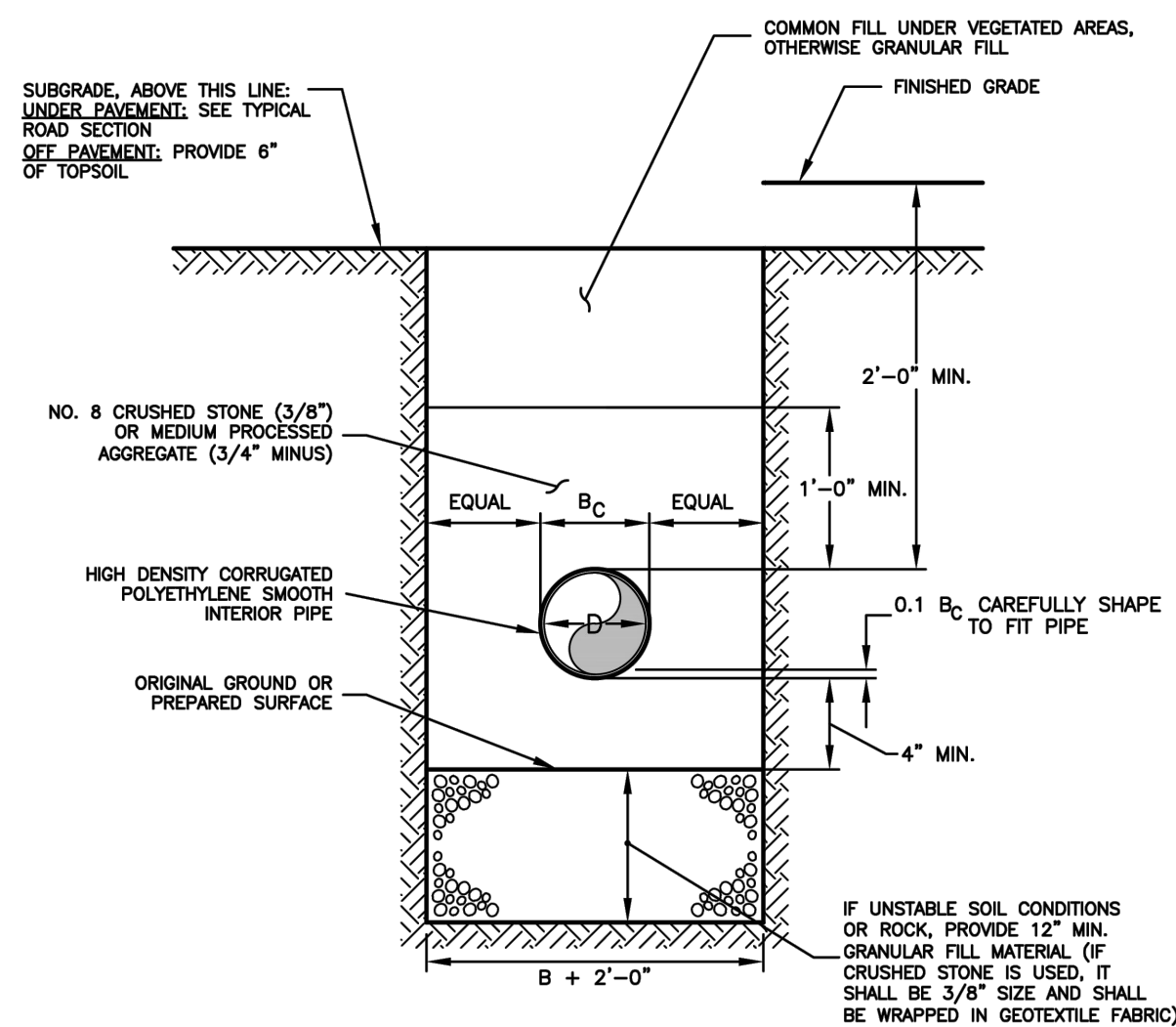
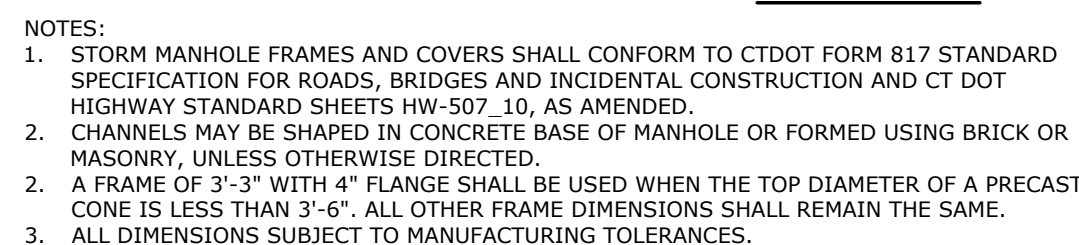
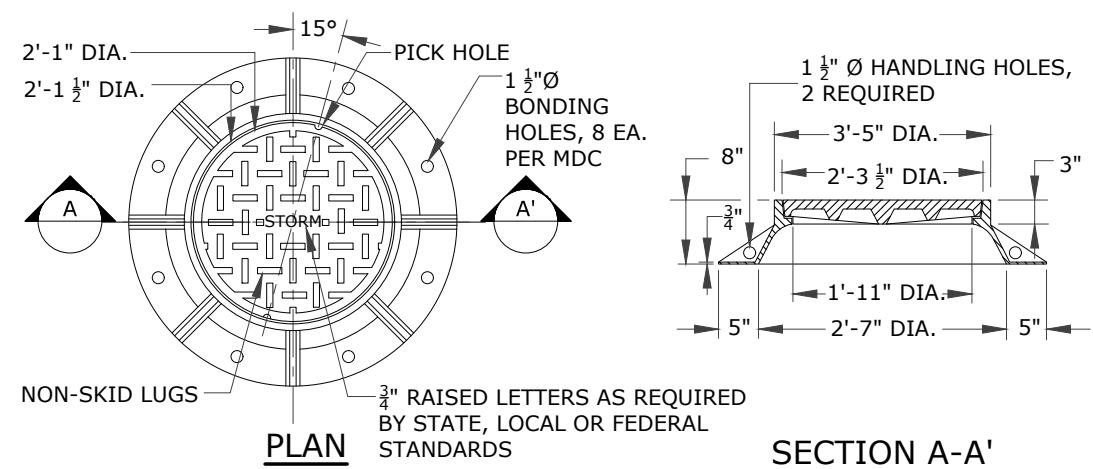
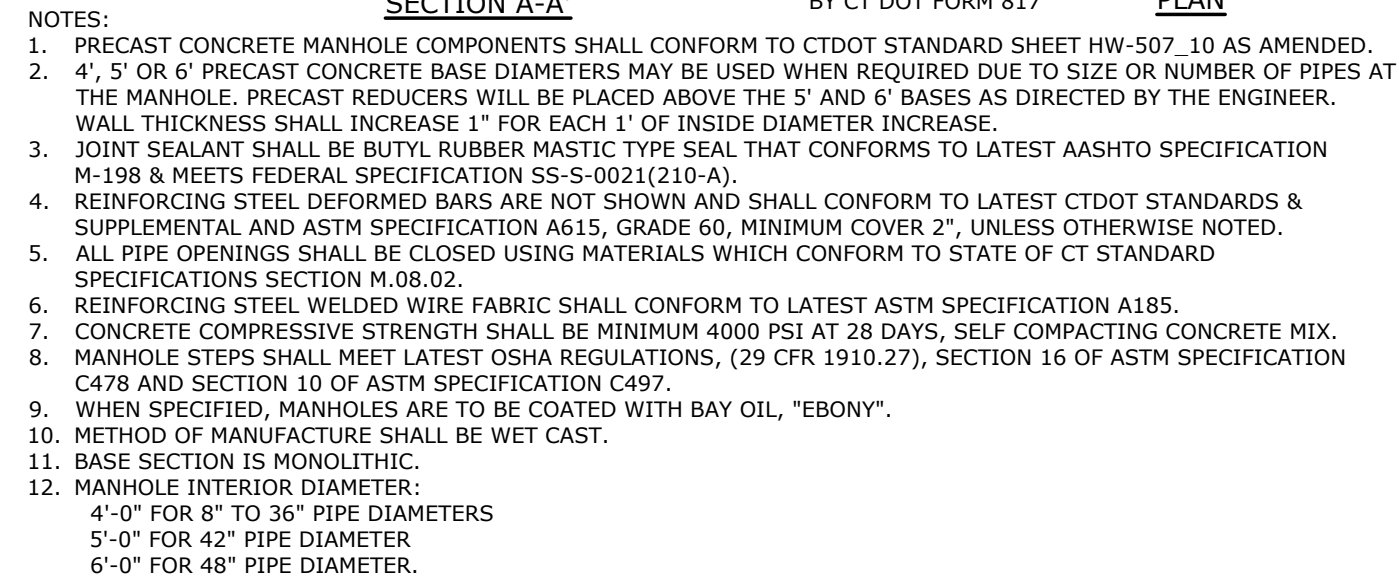
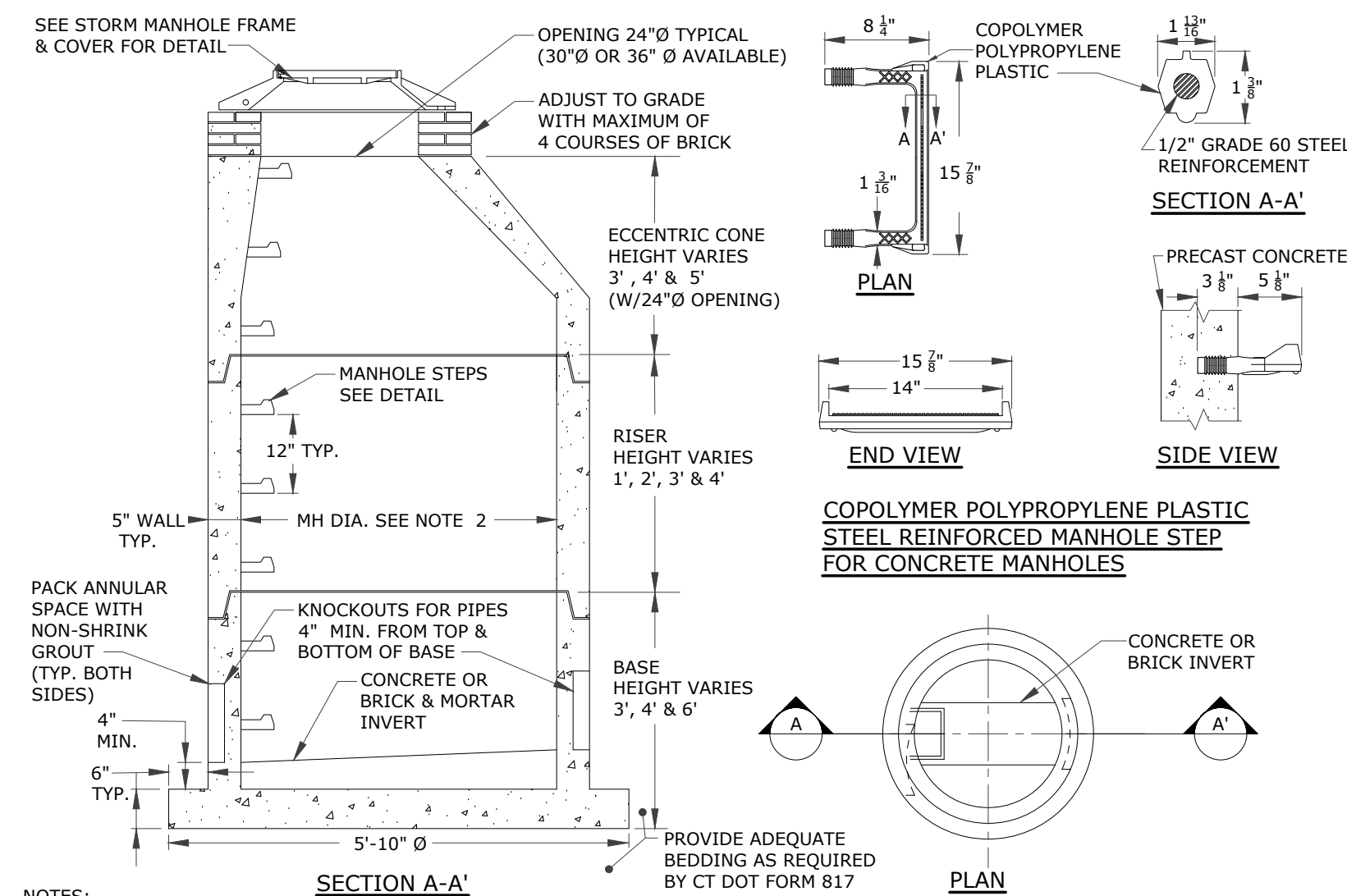
**24 MAIN STREET, CENTERBROOK, CT 06409**

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**Loureiro**  
Engineering • Construction • EHS • Energy

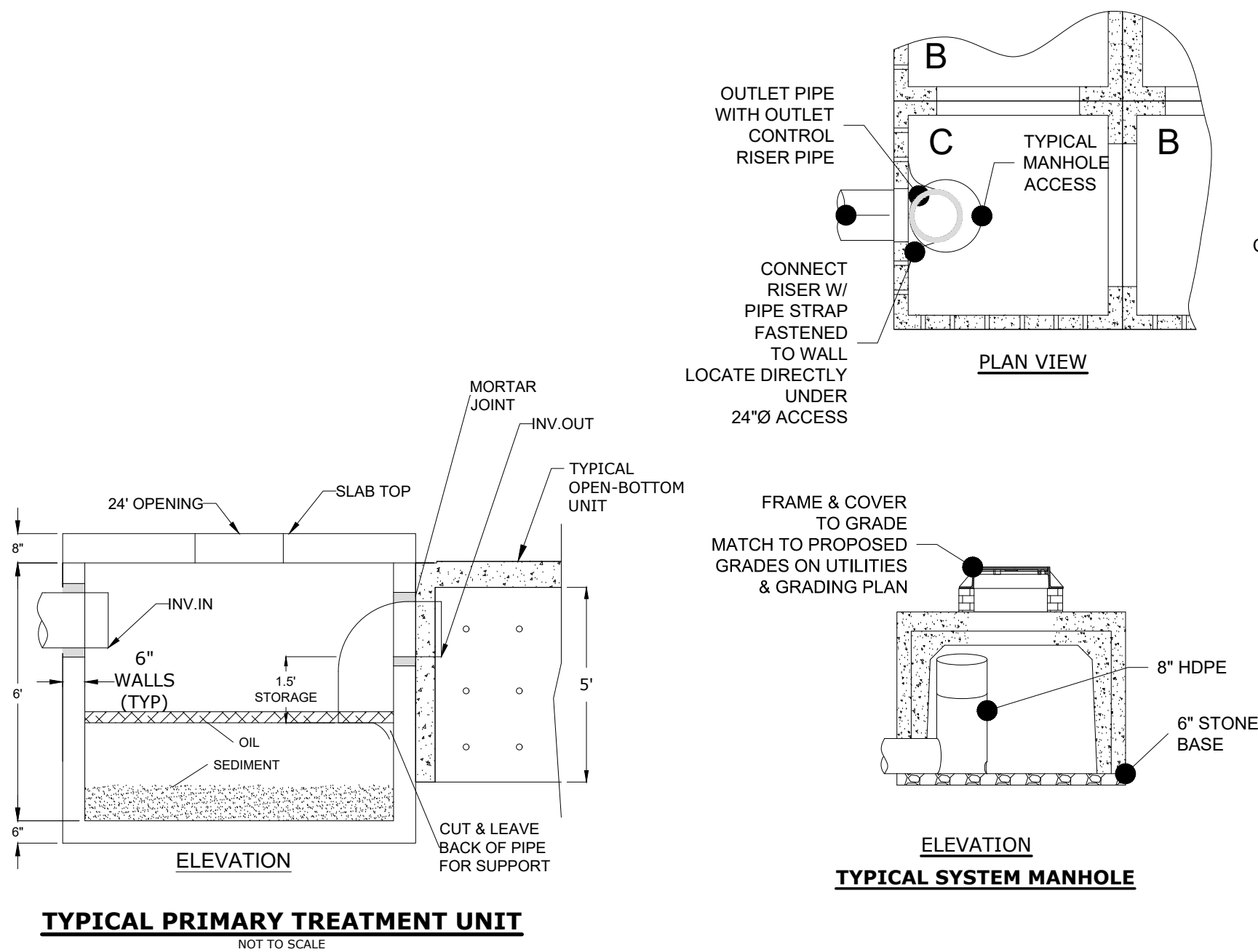
**Loureiro Engineering Associates, Inc.**  
15 Thuring Street, Suite 211  
Andover, MA 01810  
Phone: 800-468-0400 • Fax: 800-448-0899  
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SCALE AS NOTED	
COMM. NO. 064MC4.01	
DRAWN BY ESF	DATE 10/29/2024
APPROVED BY GFA	DATE 10/29/2024

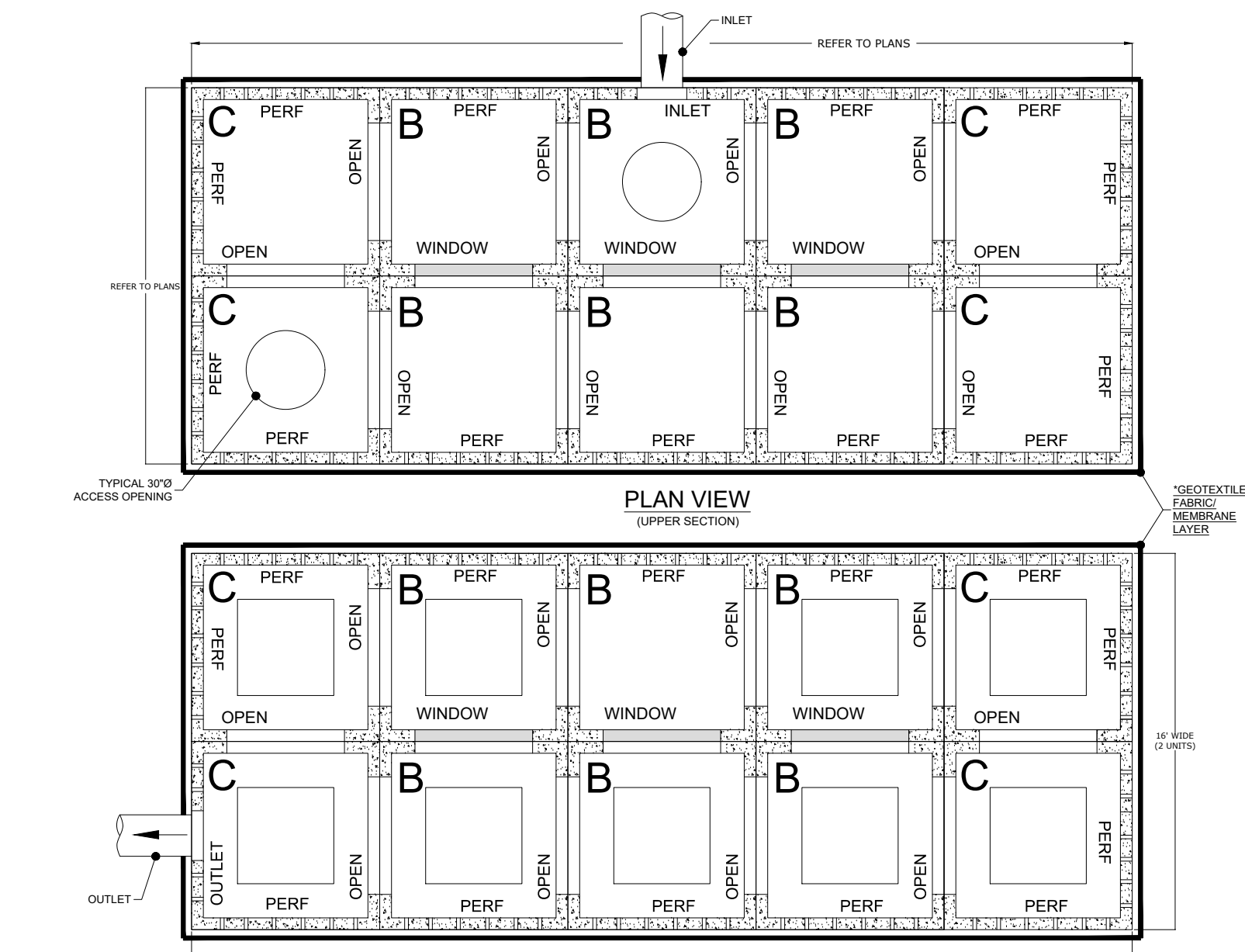
DRAWING <b>C-14</b>	<b>STORMWATER MANAGEMENT DETAILS</b>
<b>SHANTOK VILLAGE</b> 1758 ROUTE 32, MONTVILLE, CT 06352 (860) 442-7700 <b>1758 RTE 32, LLC</b> 24 MONTVILLE AVENUE, SUITE 100, MONTVILLE, CT 06352 (860) 442-4090	



V:\CT\MONTVILLE\ROUTE 32-1758\1758 RTE 32 - 11.C-1644MCA4.DWG\DWG\STORMWATER DETAIL DETAILS LING.DWG, STORMWATER DETAIL DETAILS LING.DWG, 12/10/2024 11:33 PM by: APHILLY, Revised: 12/10/2024 11:38 PM

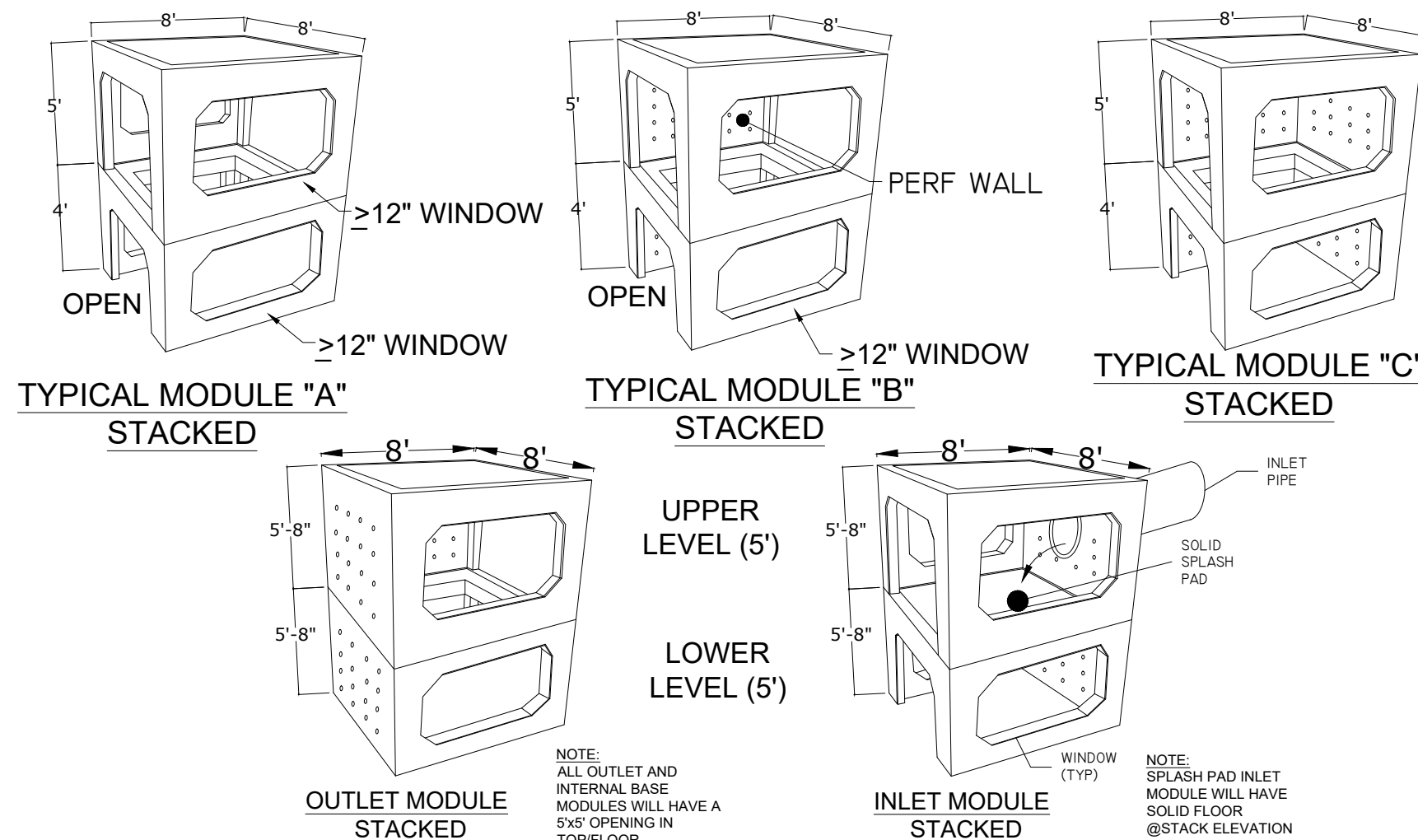


**TYPICAL PRIMARY TREATMENT UNIT**  
NOT TO SCALE

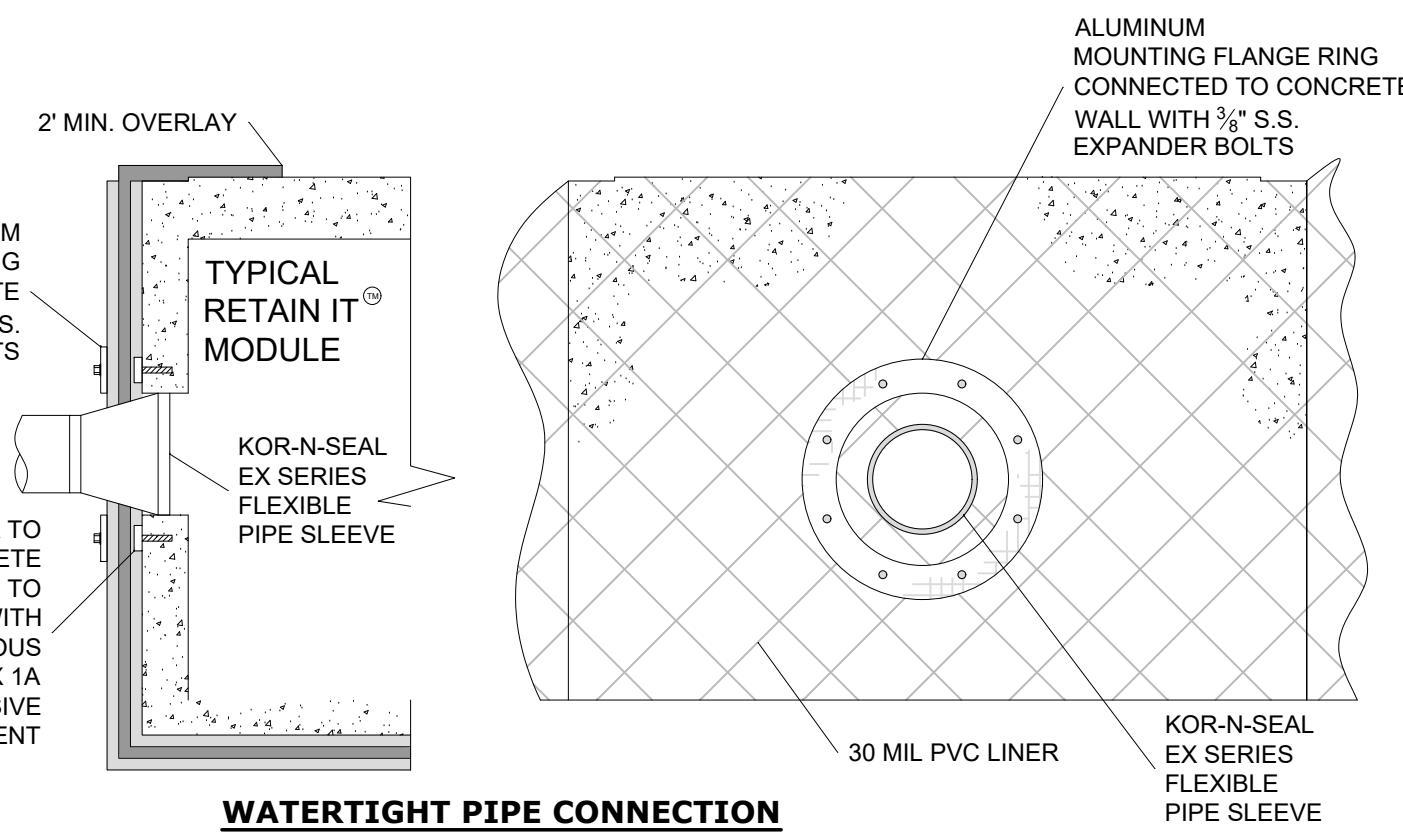


**RETAIN-IT STACKED SYSTEM DETAILS, TYPICAL**  
NOT TO SCALE

- ASTM SPECIFICATIONS:**
1. CONCRETE - 5,000 PSI, 28 DAYS
  2. REINFORCING STEEL CONFORMS TO LATEST ASTM A615
  3. H-20 DESIGN LOADING PER AASHTO HS-20-44

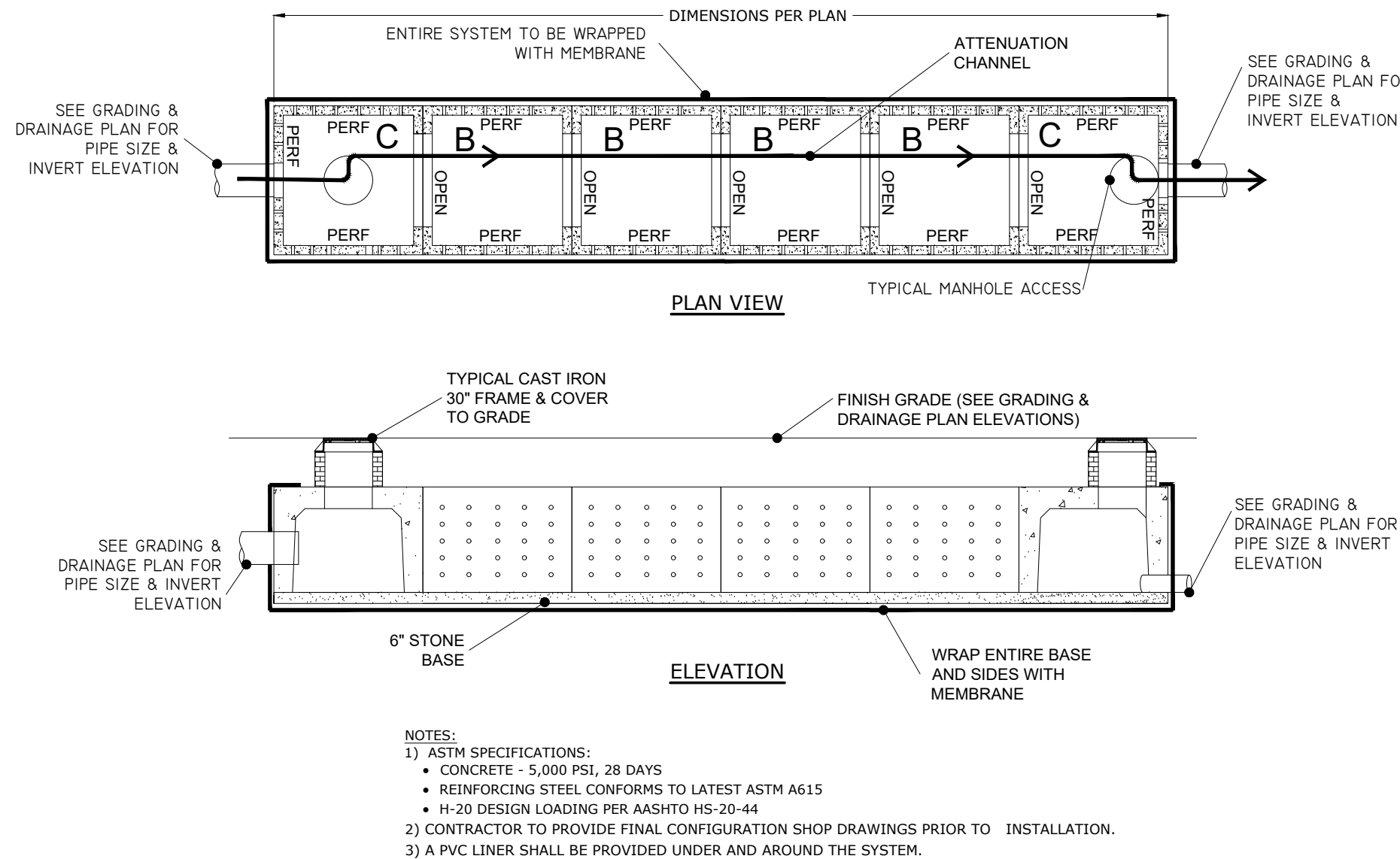
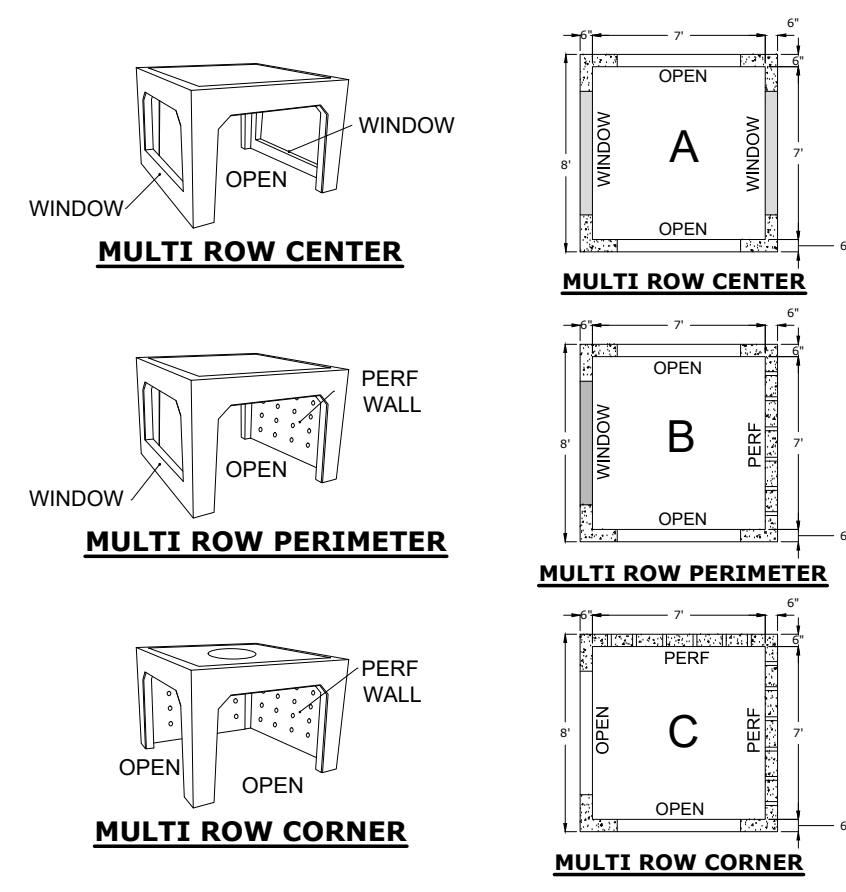


**RETAIN-IT DETENTION SYSTEM DETAILS, TYPICAL**  
NOT TO SCALE



**WATERTIGHT PIPE CONNECTION**

- \*GEOTEXTILE FABRIC/MEMBRANE LAYER**
- 140N GEOTEXTILE
  - 30 MIL PVC LINER MEMBRANE
  - 140N GEOTEXTILE
- MEMBRANE MANUFACTURED BY ENVIRONMENTAL PROTECTION INC. (EPI)  
OR APPROVED EQUAL  
9939 US-131 SOUTH MANCERLONA, MI 49659  
1-231-587-9108



**RETAIN-IT INFILTRATION SYSTEM DETAIL, TYPICAL**  
NOT TO SCALE

SOIL RESTORATION REQUIREMENTS DURING CONSTRUCTION ACTIVITY		
TYPE OF SOIL DISTURBANCE	SOIL RESTORATION REQUIREMENT	COMMENTS/EXAMPLES
NO SOIL DISTURBANCE	RESTORATION NOT PERMITTED	PRESERVATION OF NATURAL FEATURES
MINIMAL SOIL DISTURBANCE	RESTORATION NOT REQUIRED	CLEARING AND GRUBBING
AREAS WHERE TOPSOIL IS STRIPPED ONLY - NO CHANGE IN GRADE	HYDROLOGIC SOIL GROUP A & B APPLY 6 INCHES OF TOPSOIL	HYDROLOGIC SOIL GROUP C & D AERATE* AND APPLY 6 INCHES OF TOPSOIL
AREAS OF CUT OR FILL	HYDROLOGIC SOIL GROUP A & B AERATE* AND APPLY 6 INCHES OF TOPSOIL	HYDROLOGIC SOIL GROUP C & D APPLY FULL SOIL RESTORATION (DECOMPACTION AND COMPOST ENHANCEMENT)
HEAVY TRAFFIC AREAS ON SITE (ESPECIALLY IN A ZONE 5-25 FEET AROUND BUILDINGS BUT NOT WITHIN A 5 FOOT PERIMETER AROUND FOUNDATION WALLS)	APPLY FULL SOIL RESTORATION (DECOMPACTION AND COMPOST ENHANCEMENT)	
AREAS WHERE RUNOFF REDUCTION AND/OR INFILTRATION PRACTICES ARE APPLIED	RESTORATION NOT REQUIRED, BUT MAY BE APPLIED TO ENHANCE THE REDUCTION SPECIFIED FOR APPROPRIATE PRACTICES	KEEP CONSTRUCTION EQUIPMENT FROM CROSSING THESE AREAS. TO PROTECT NEWLY INSTALLED BMP FROM ANY ONGOING CONSTRUCTION ACTIVITIES, CONSTRUCT A FENCE AROUND BMP.
REDEVELOPMENT PROJECTS	SOIL RESTORATION IS REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA.	

\* AERATION INCLUDES THE USE OF MACHINES SUCH AS TRACTOR-DRAWN IMPLEMENTS WITH CULTERS MAKING A NARROW SLIT IN THE SOIL, A ROLLER WITH MANY SPIKES MAKING IDENTIFICATIONS IN THE SOIL, OR PRONGS WHICH FUNCTION LIKE A MINI-SUBSOILER.

- SOIL RESTORATION NOTES:**
1. SOIL RESTORATION IS TO BE APPLIED TO PROPOSED VEGETATED AREAS WHERE ANY HEAVY CONSTRUCTION VEHICLE HAS BEEN OR OVER COMPACTION HAS OCCURRED AND FINAL STABILIZATION IS TO BEGIN. THIS IS GENERALLY APPLIED IN THE CLEANUP, SITE RESTORATION, AND LANDSCAPING PHASE OF CONSTRUCTION FOLLOWED BY THE PERMANENT ESTABLISHMENT OF AN APPROPRIATE GROUND COVER TO MAINTAIN THE SOIL STRUCTURE. SOIL RESTORATION MEASURES SHOULD BE APPLIED OVER AND ADJACENT TO ANY RUNOFF REDUCTION PRACTICES TO ACHIEVE DESIGN PERFORMANCE.
  2. AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8" METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT. THIS SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.
  3. TO MAINTAIN SOIL RESTORATION, KEEP THE SITE FREE OF VEHICULAR AND FOOT TRAFFIC OR OTHER WEIGHT LOADS.

- SOIL RESTORATION PROCEDURE:**
- DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, THE DISTURBED SUBSOILS ARE RETURNED TO ROUGH GRADE AND THE FOLLOWING SOIL RESTORATION STEPS APPLIED:
1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL. THE COMPOST SHALL BE WELL DECOMPOSED (MATURED AT LEAST 3 MONTHS), WEED-FREE, ORGANIC MATTER. IT SHALL BE AEROBICALLY COMPOSTED, POSSESS NO OBJECTIONABLE ODORS, AND CONTAIN LESS THAN 1% BY DRY WEIGHT, OF MAN-MADE FOREIGN MATTER. FOR "PARTICLE SIZE" 100% WILL PASS THE 1/2" SIEVE.
  2. NOTE: ALL BIOSOLIDS COMPOST PRODUCED (OR APPROVED FOR IMPORTATION) MUST MEET CT DEEP'S REQUIREMENTS. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER, TO MIX AND CIRCULATE AIR AND COMPOST INTO THE SUBSOIL.
  3. ROCK-PICK UNTIL UNLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEARED OFF THE SITE.
  4. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
  5. VEGETATE AS REQUIRED BY THE SEEDING PLAN. USE APPROPRIATE GROUND COVER WITH DEEP ROOTS TO MAINTAIN THE SOIL STRUCTURE.
  6. TOPSOIL MAY BE MANUFACTURED AS A MIXTURE OR A MINERAL COMPONENT AND ORGANIC MATERIAL SUCH AS COMPOST.

**SOIL RESTORATION**  
NOT TO SCALE

APPROVED BY THE MONTVILLE PLANNING AND ZONING COMMISSION ON  
APPROVAL EXPIRES FIVE (5) YEARS FROM APPROVAL DATE

CHAIRMAN/SECRETARY \_\_\_\_\_ DATE \_\_\_\_\_

STAMP

**Loureiro, Inc.**  
Water & Utility Services & Laboratory  
Engineering • Construction • EIR • EIR • EIR  
15 Thames Street, Suite 211  
Phone: 860-448-0999 Fax: 860-448-0999  
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SCALE

AS NOTED

COWN NO.

064MCA.01

DRAWN BY

ESF

DATE

10/29/2024

APPROVED BY

GFA

DATE

10/29/2024

STORMWATER MANAGEMENT DETAILS 2

SHANTOK VILLAGE  
1758 ROUTE 32, MONTVILLE, CT 06382  
1758 RTE 32, LLC  
24 MAIN STREET, CENTERBROOK, CT 06409

APPROVED BY THE MONTVILLE PLANNING AND ZONING COMMISSION ON  
APPROVAL EXPIRES FIVE (5) YEARS FROM APPROVAL DATE

CHAIRMAN/SECRETARY \_\_\_\_\_ DATE \_\_\_\_\_

SHEET NO.

17

NO. OF SHEETS

19