
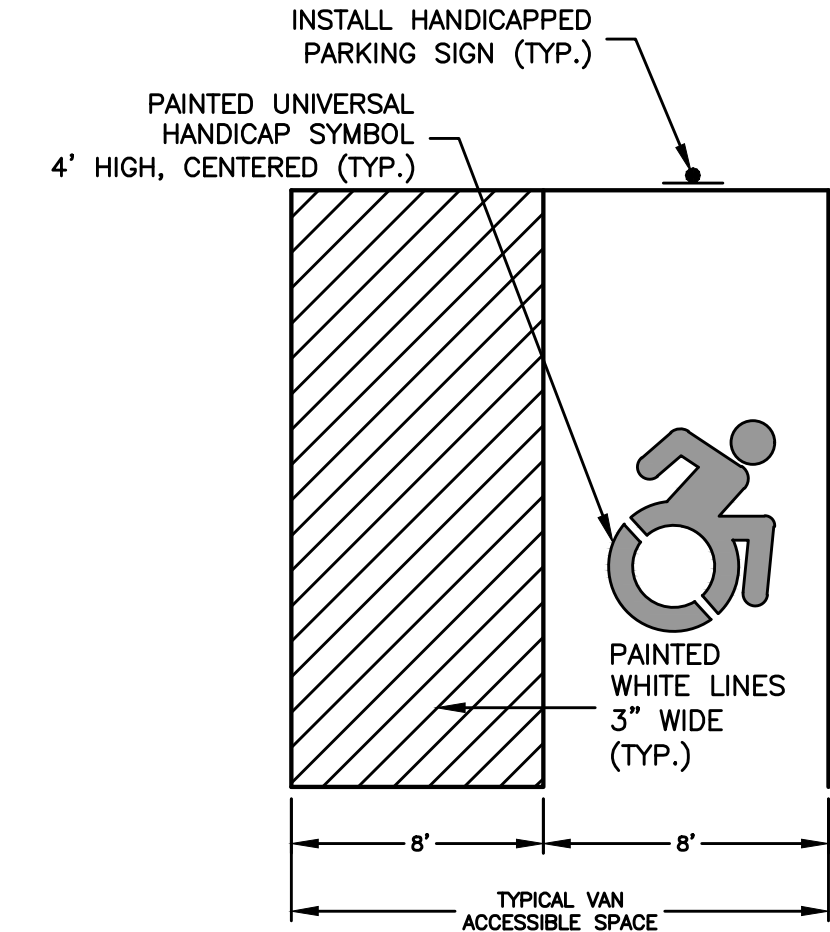
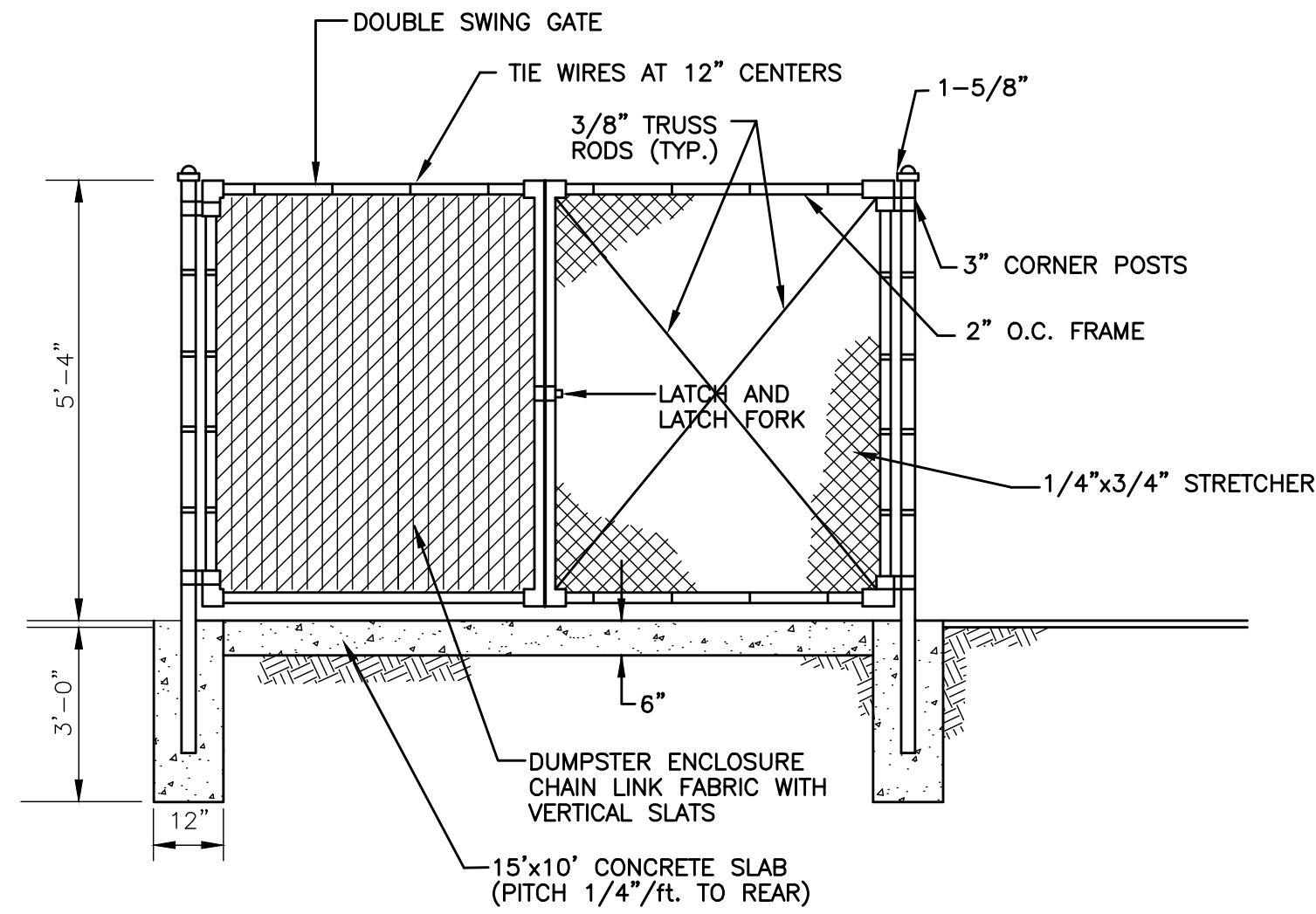


REVISION			GREEN SITE DESIGN LLC	
No.	DATE	REVISION	317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165	
2	7/12/23	REVIEW COMMENTS	MONTVILLE, CT	
1	6/22/23	REVIEW COMMENTS		
			69 FITCH HILL RD & LEFFINGWELL RD	
			SEPTIC PLAN	
			Project No. GSD-68	
			Proj. Engineer E.M.B.	
			Date: 2/15/23	
			Sheet No. 9A	

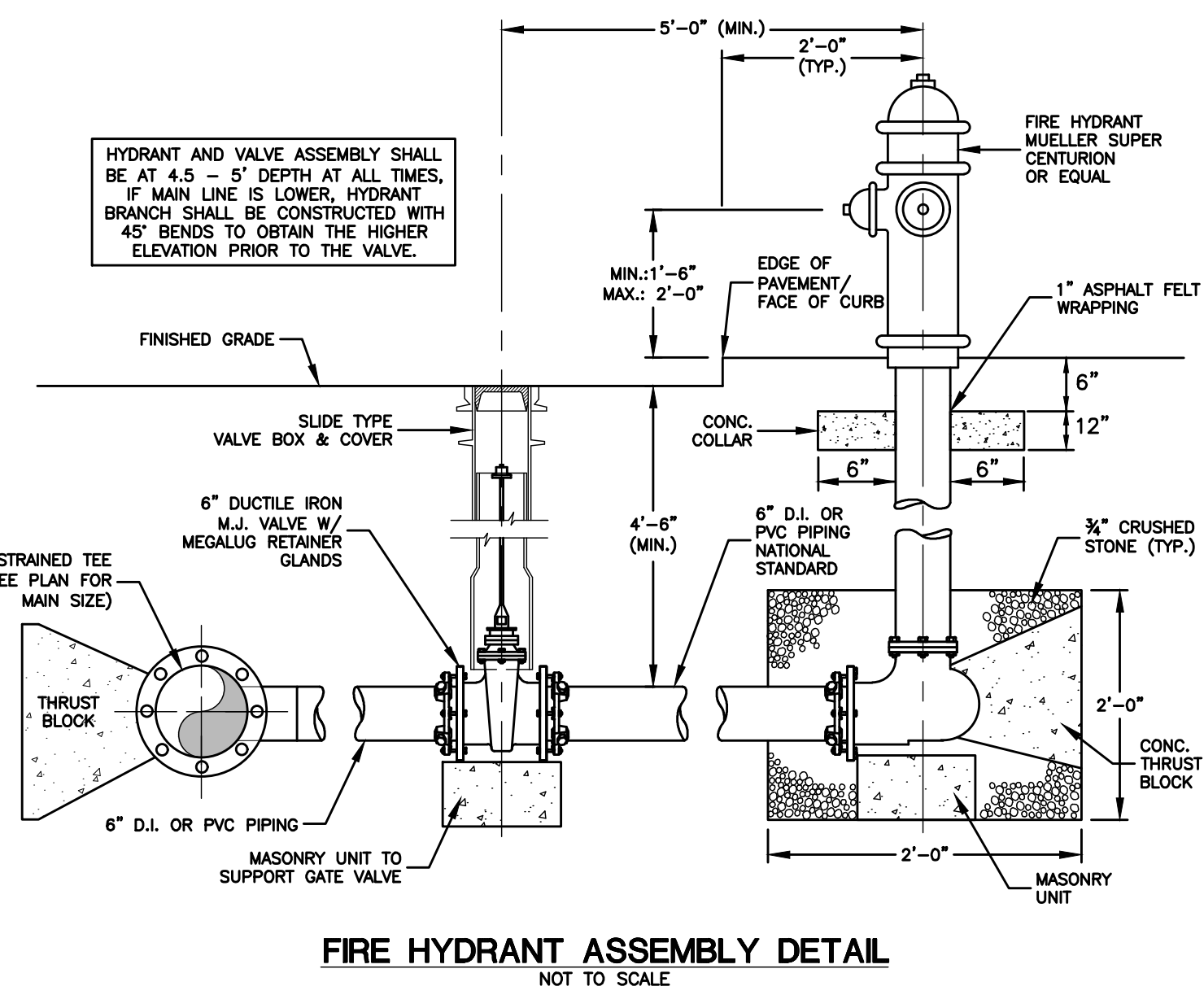


NOTES:
1. ALL ADA ACCESSIBLE SIGNING, DIMENSIONS AND SPACE MARKINGS SHALL BE IN ACCORDANCE WITH CGS 14-253az(h) AND THE 2003 PORTION OF THE STATE BUILDING CODE

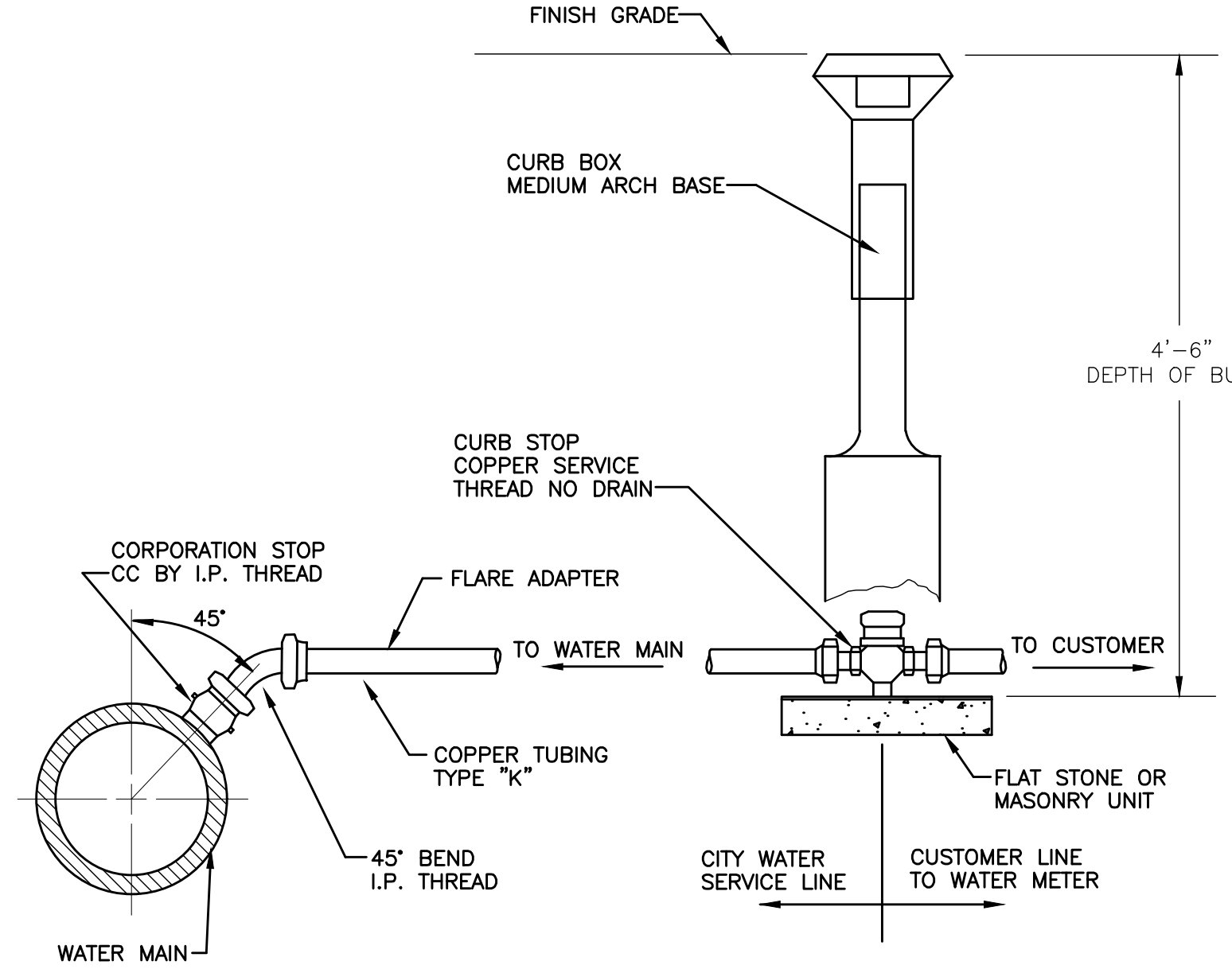
TYPICAL HANDICAP VAN PARKING SPACE
NOT TO SCALE



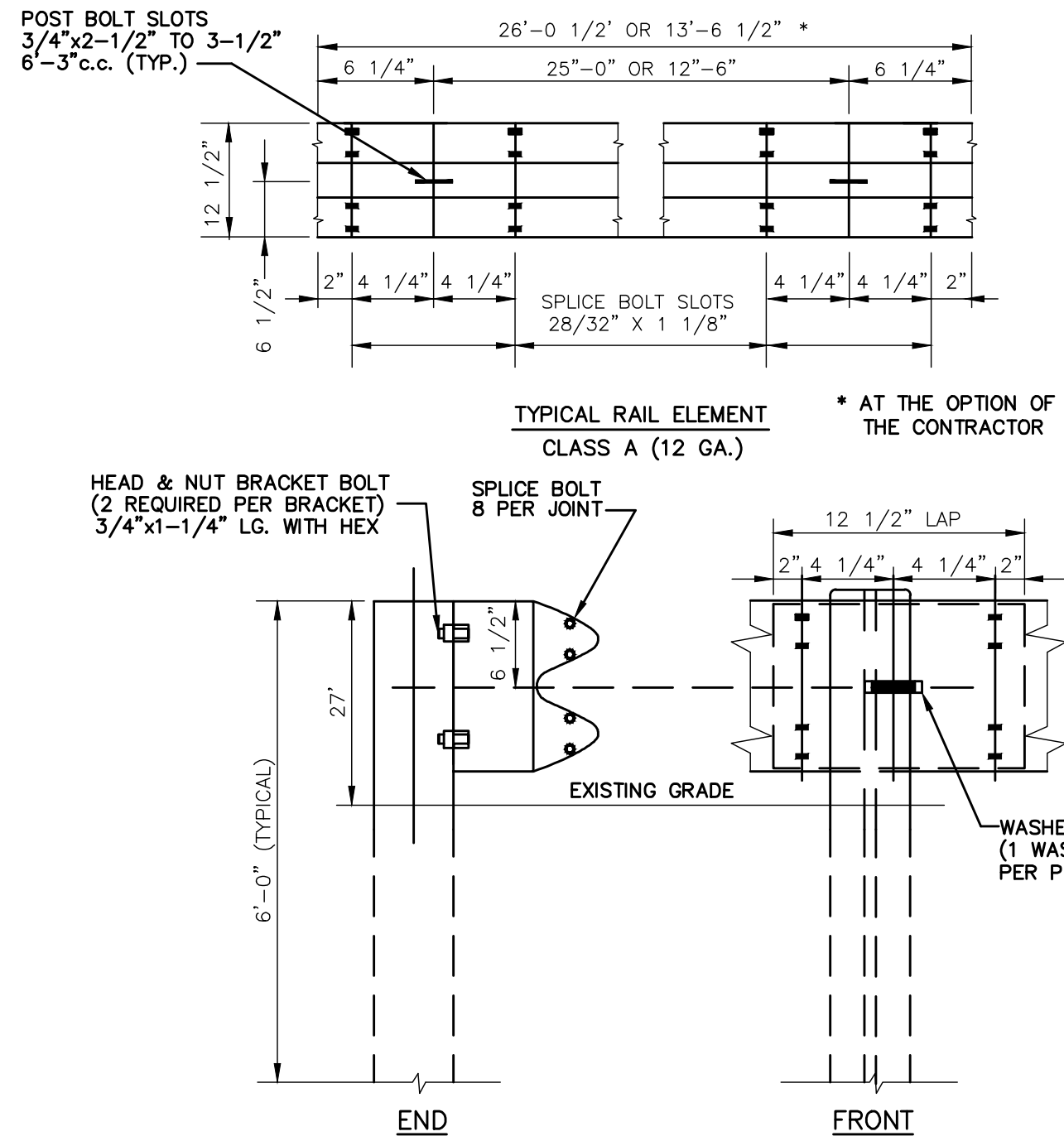
CHAIN LINK FENCE/DUMPSTER ENCLOSURE
NOT TO SCALE



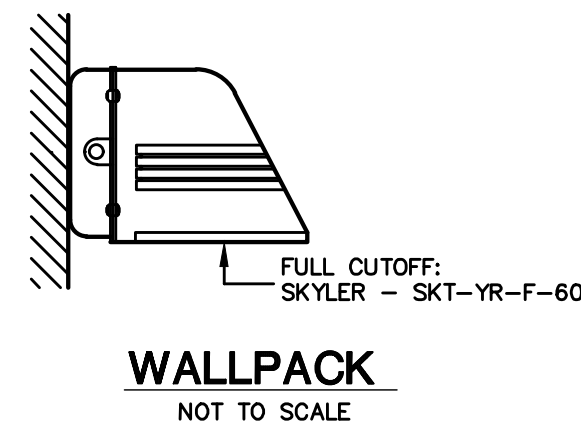
FIRE HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



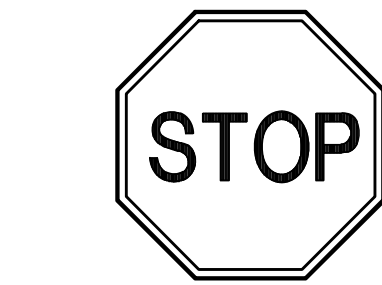
WATER SERVICE CONNECTION DETAIL
NOT TO SCALE



METAL BEAM RAIL
NOT TO SCALE



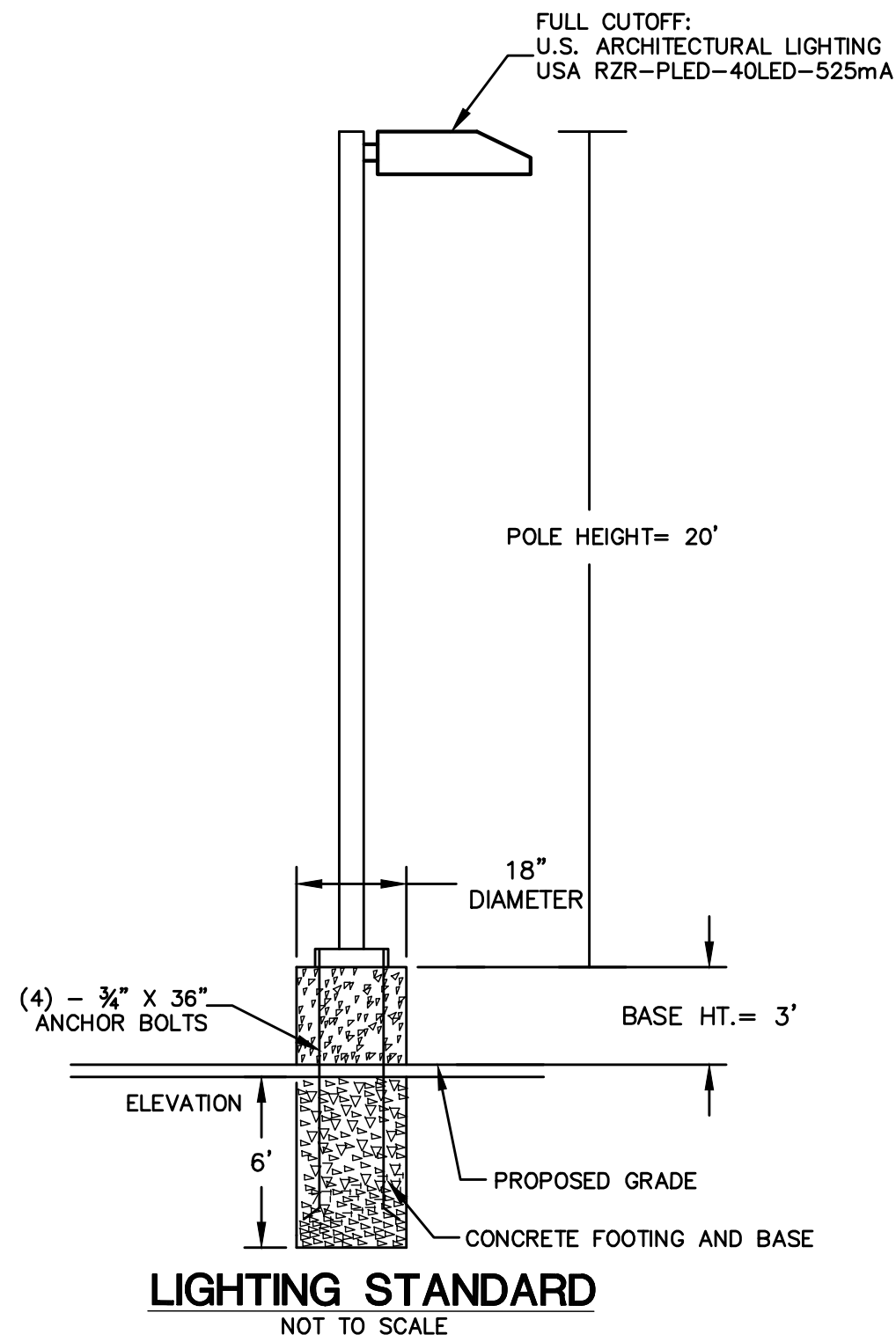
WALLPACK
NOT TO SCALE



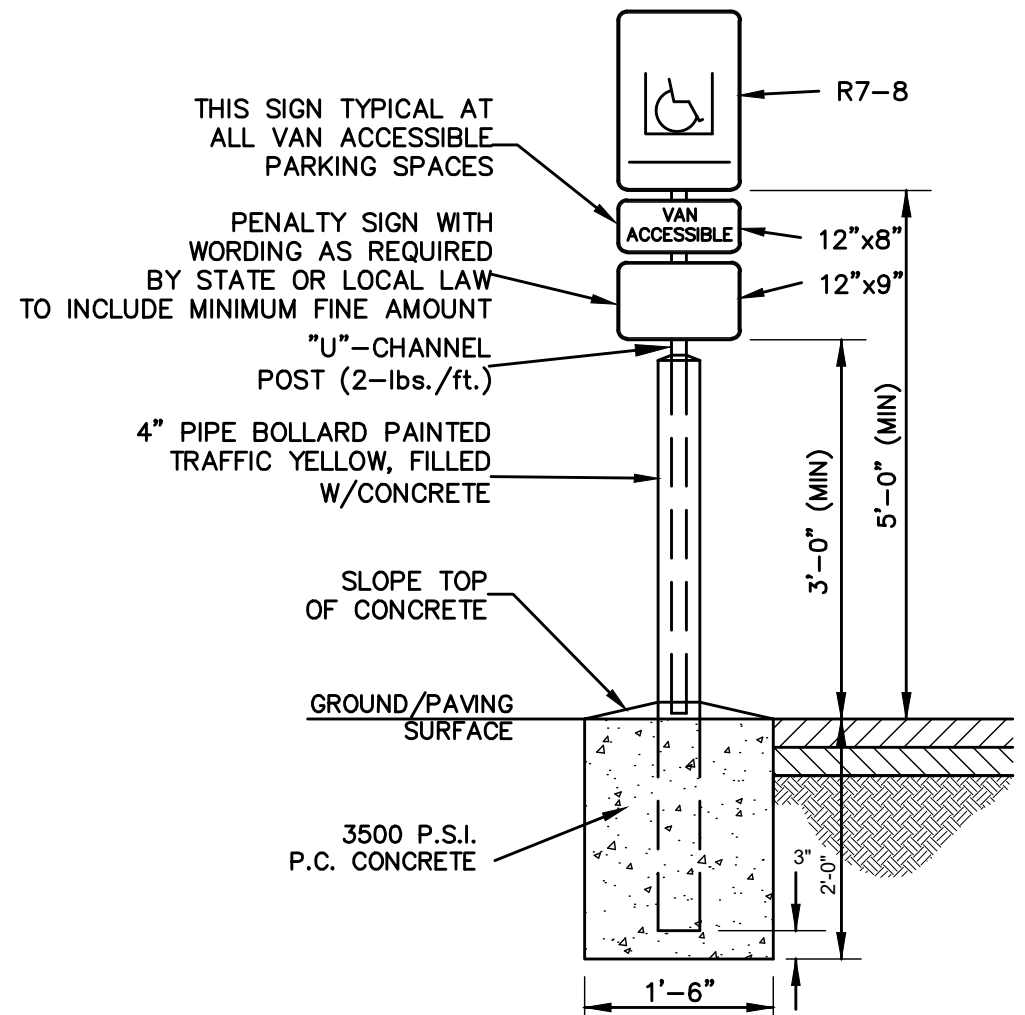
NOTE:
SIGNS TO BE INSTALLED IN ACCORDANCE WITH STATE OF CONNECTICUT D.O.T. STANDARDS

SECURE ALL SIGNS TO 1/2\"/>

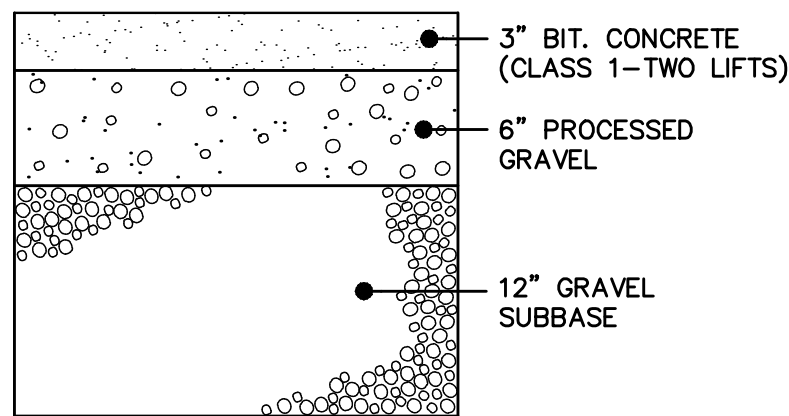
TRAFFIC SIGNAGE
NOT TO SCALE



LIGHTING STANDARD
NOT TO SCALE



VAN ACCESSIBLE PARKING SIGN
NOT TO SCALE



PAVING SECTION
NOT TO SCALE

GREEN SITE DESIGN LLC				317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165	
1	7/12/23	REVIEW COMMENTS		Project No.	GSD-68
No.	DATE	REVISION		Proj. Engineer	E.M.B.
				Date:	2/15/23
				Sheet No.	10
				MONTVILLE, CT	
				69 FITCH HILL RD & LEFFINGWELL RD	
				SITE DETAILS	

PERC TEST DATA

PERC #101 4/19/2023

PRE-SOAK, 10:54:00-10:54:55 AM

BOTTOM OF HOLE AT 24"

INTERVAL: 12-24"

TEST 1

TIME	DEPTH (IN)	CHANGE (IN)
12:59:00	12"	-0.0
12:59:54	24"	-12.0

END OF TEST 1

TEST 2

TIME	DEPTH (IN)	CHANGE (IN)
13:04:00	12"	-0.0
13:04:54	24"	-12.0

END OF TEST 2

TEST 3

TIME	DEPTH (IN)	CHANGE (IN)
13:06:00	12"	-0.0
13:06:58	24"	-12.0

END OF TEST 3

TEST 4

TIME	DEPTH (IN)	CHANGE (IN)
13:10:00	12"	-0.0
13:10:55	24"	-12.0

END OF TEST 4

TEST 5

TIME	DEPTH (IN)	CHANGE (IN)
13:13:00	12"	-0.0
13:13:58	24"	-12.0

END OF TEST 5

AVERAGE OF TESTS 1-5 =

$$\frac{(0.90+0.90+0.97+0.92+0.97)\text{MIN}}{5}$$

= 0.93 MPI

IN=12" TO 24" = 12"

$$0.93 \text{ MIN}/12" = 0.08 \text{ MPI}$$

PERC #102 4/19/2023

PRE-SOAK, 9:33-9:36 AM

BOTTOM OF HOLE AT 26"

INTERVAL: 14-26"

TIME

DEPTH (IN)	CHANGE (IN)
9:43:00 10.5"	-1.0
9:43:30 11.5"	-1.0
9:44:00 12.5"	-1.0
9:44:30 13"	-0.5
9:45:00 13.5"	-0.5
9:45:30 14"	-0.5

*CAVED IN AT 19"

END OF TEST 1

MIN=9:43:00-9:45:30 = 2.5 MIN

IN=12" TO 19" = 7"

$$2.5 \text{ MIN}/7" = 0.36 \text{ MPI}$$

9:50:00 12"

-0.0

9:50:30 14"

-2.0

9:51:00 16"

-2.0

9:51:30 17"

-1.0

9:52:00 18"

-1.0

9:52:30 19"

-1.0

*CAVED IN AT 19"

END OF TEST 2

MIN=9:50:00-9:52:30 = 2.5 MIN

IN=12" TO 19" = 7"

$$2.5 \text{ MIN}/7" = 0.36 \text{ MPI}$$

NEW INTERVAL DUE TO CAVE IN

BOTTOM OF HOLE AT 29"

INTERVAL: 17-29"

9:55:00 17"

-0.0

9:55:30 19"

-2.0

9:56:00 20"

-1.0

9:56:30 21"

-1.0

9:57:00 22"

-1.0

9:57:30 23"

-1.0

*CAVED IN AT 23"

END OF TEST 3

MIN=9:55:00 TO 9:57:30 = 2.5 MIN

IN=17" TO 23" = 6"

$$2.5 \text{ MIN}/6" = 0.42 \text{ MPI}$$

AVERAGE OF TESTS 1-3 =

$$\frac{(0.36+0.36+0.36)\text{MIN}}{3}$$

= 0.38 MPI

TEST HOLE DATA

TEST HOLES RECORDED BY CHRISTOPHER MADDEN, MARCH 03 2023			TH #14 0-14" BROWN LOAMY SAND TOPSOIL 14-96" LIGHT BROWN FINE SAND		
NO BEDROCK			TH #15 0-16" BROWN LOAMY SAND TOPSOIL 16-98" STRATIFIED GREY BROWN SAND AND GRAVEL		
NO WATER			NO BEDROCK		
NO MOTTLING			NO WATER		
NO ROOTS			NO MOTTLING		
NO RESTRICTIVE			NO ROOTS		
			NO RESTRICTIVE		
TH #16 0-12" BROWN LOAM SAND TOPSOIL 12-96" LIGHT BROWN FINE SAND			TH #17 0-96" STRATIFIED SAND AND GRAVEL, NO TOPSOIL		
NO BEDROCK			NO BEDROCK		
WATER 44"			WATER 48"		
MOTTLING 40"			MOTTLING 29"		
NO ROOTS			NO ROOTS		
RESTRICTIVE 40"			RESTRICTIVE 29"		
TH #18 NO TOPSOIL 0-70" GREY AND BROWN CLAY 70-89" COARSE SAND AND GRAVEL			NO BEDROCK		
NO BEDROCK			NO WATER		
NO WATER			MOTTLING 11"		
MOTTLING 11"			NO ROOTS		
NO ROOTS			RESTRICTIVE 11"		
RESTRICTIVE 11"			TH #19 0-10" BROWN LOAMY SAND TOPSOIL 10-84" STRATIFIED BROWN AND LIGHT BROWN SAND W/SILT		
NO BEDROCK			NO BEDROCK		
NO WATER			NO WATER		
MOTTLING 11"			NO MOTTLING		
NO ROOTS			NO ROOTS		
RESTRICTIVE 11"			NO RESTRICTIVE		

SEPTIC SYSTEMS DESIGN

BUILDING #1: A&B EXCAVATION
6,000 SF A&B EXCAVATION (20% OFFICE & 80% INDUSTRIAL)
1,200 SF OFFICE = (1,200/200)(20) = 120 GPD
4,800 SF INDUSTRIAL = (4,800*0.1) = 480 GPD
TOTAL = 600 GPD

BUILDINGS #2 & 3: FLEX SPACE
19,920 SF FLEX SPACE - INDUSTRIAL
19,920 SF (0.1) = 1,992 GPD

PRIMARY SYSTEM
PERCOLATION RATE: 0-10 MINUTES
LEACHING AREA REQUIRED: 600 GPD/1.5" = 400 S.F.
*NON-PROBLEMATIC SEWER SYSTEMS
USE 12" CONC. GALLERIES
EFFECTIVE LEACHING AREA OF TRENCH = 5.9 SF/LF
REQUIRED LENGTH = 400/5.9 SF/LF = 68 LF
USE 72' OF 12" CONC. GALLERIES - 1 ROW

MLSS CALCULATION
RESTRICTIVE LAYER = (29+40)/2 = 34"
SLOPE = 17%
HP=20 FF=1,992/300=6.6 PF=1.0
MLSS = (20)(6.6)(1.0) = 132 FT

SEPTIC/SELECT FILL

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THEN THREE (3) INCH SIEVE.
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE.
NOTE: THIS IS THE GRAVEL PORTION OF THE SAMPLE.
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50	10-75
#100	0-20	0-5
#200	0-5	0-2.5

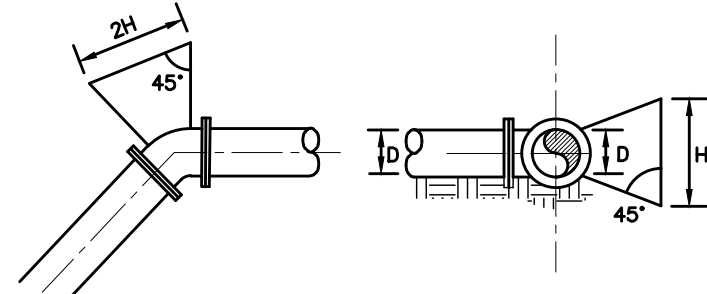
PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THEN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. THE SELECT FILL MUST BE TESTED AFTER PLACEMENT AND MUST HAVE A PERCOLATION RATE AT LEAST AS FAST AS THE DESIGN RATE OF LESS THAN 20 MIN/INCH

SEPTIC SYSTEM GENERAL NOTES

- TOPOGRAPHIC INFORMATION ON THIS PLAN PROVIDED BY CLA ENGINEERS
- PROPOSED HOUSE AND SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
- ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE, SELECT FILL)) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEM.
- AFTER THE FILL IS PLACED AND COMPACTED, IT MUST BE PERC TESTED PRIOR TO INSTALLATION OF ALL THE SEPTIC SYSTEMS.
- WHERE SEWER LINE CROSSES WATER LINE, THERE ARE TO BE NO JOINTS WITHIN 5 FEET ON EITHER SIDE OF THE WATER LINE, INCLUDING SERVICES.
- SEWER LINE FROM FOUNDATION WALL TO SEPTIC SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
- TRENCHES SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING OF 8 FEET.
- PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTM D-3034 AND SDR-35.
- IF BLASTING IS REQUIRED A PRE-BLAST SURVEY WILL BE REQUIRED. CALL BEFORE YOU DIG: 1-800-922-4455.
- THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
- A VERTICAL BENCHMARK SHALL BE PROVIDED WITHIN 50 FEET OF THE PROPOSED HOUSE LOCATION PRIOR TO THE START OF CONSTRUCTION.
- CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEM AND HOUSE ARE TO BE CONSTRUCTED. ALL TOPSOIL IS TO BE STRIPPED AND STOCKPILED FOR FUTURE USE.
- ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
- TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
- ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION.
- AFTER FILL IS PLACED AND COMPACTED, IT MUST BE PERC TESTED PRIOR TO INSTALLATION OF THE SYSTEM
- PRIOR TO START OF CONSTRUCTION, THE BUILDING AND SYSTEM ARE TO BE STAKED BY A LICENSED SURVEYOR

SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL								
AREAS SHOWN ARE BASED ON 200 PSI TEST PRESSURE (SEE NOTE BELOW)								
REACTION TYPE	PIPE SIZE							
	4"	6"	8"	10"	12"	16"	18"	24"
A 90° BEND	1.8	4.4	7.8	11.2	17.2	30.8	36.0	69.2
B TEE OR CAP	1.4	3.2	5.6	8.4	12.2	21.8	27.8	49.5
C 45° BEND	1.0	2.4	4.2	6.0	9.4	16.6	19.4	37.6
D 22½° BEND	0.6	1.2	2.2	3.0	4.8	8.6	10.0	19.2
E 11¼° BEND	0.2	0.6	1.0	1.6	2.4	4.2	5.0	9.6
OTHER TEST PRESSURES FOR THE ABOVE REACTIONS	SQUARE FEET OF CONCRETE THRUST BLOCKING FOR OTHER TEST PRESSURES IS DIRECTLY PROPORTIONAL TO THE ABOVE TABLE. FOR INSTANCE, AT 100 PSI TEST PRESSURE THE ABOVE NUMBERS ARE HALVED. THE ABOVE NUMBERS REPRESENT MINIMUM ALLOWABLE SIZES FOR THRUST BLOCKS							

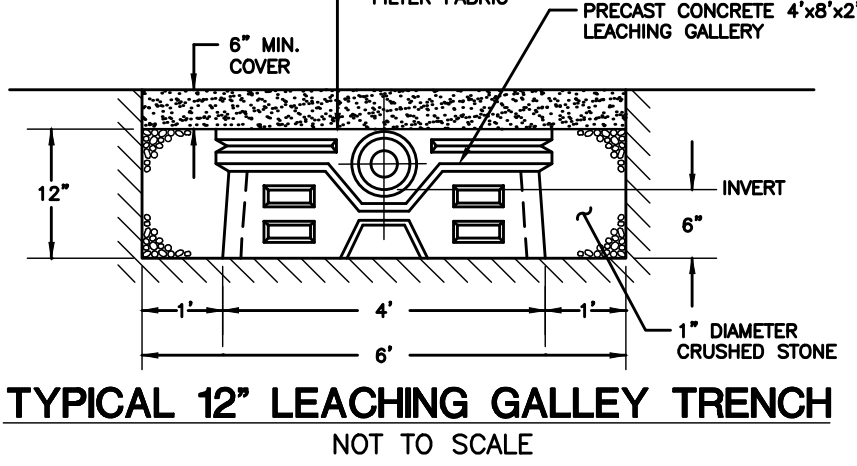
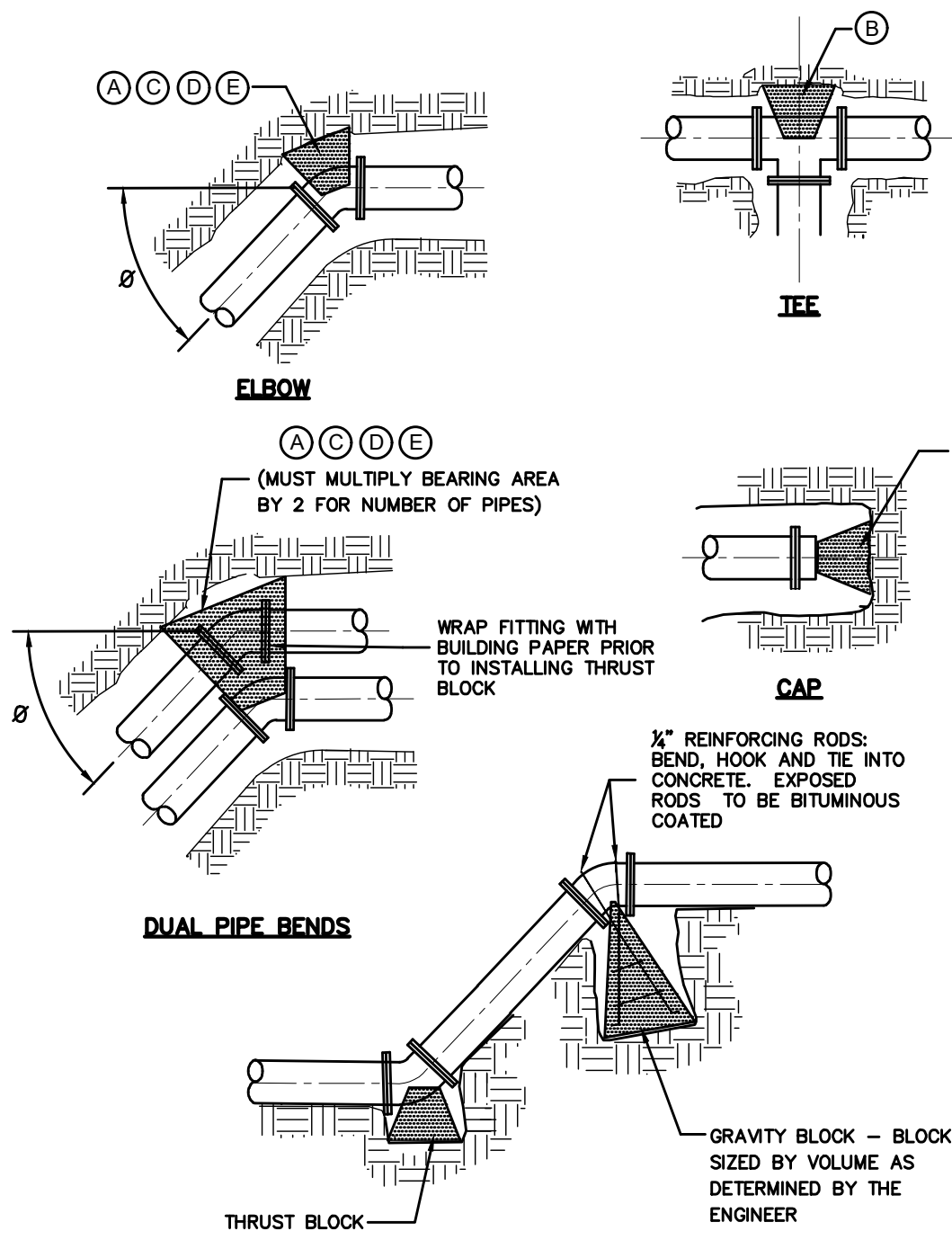
- NOTES:
- FOUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
 - ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
 - PLACE BOARD IN FRONT 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 ENCOUNTERED.
 - TEST PRESSURE FOR WATER MAINS SHALL BE 200 PSI.



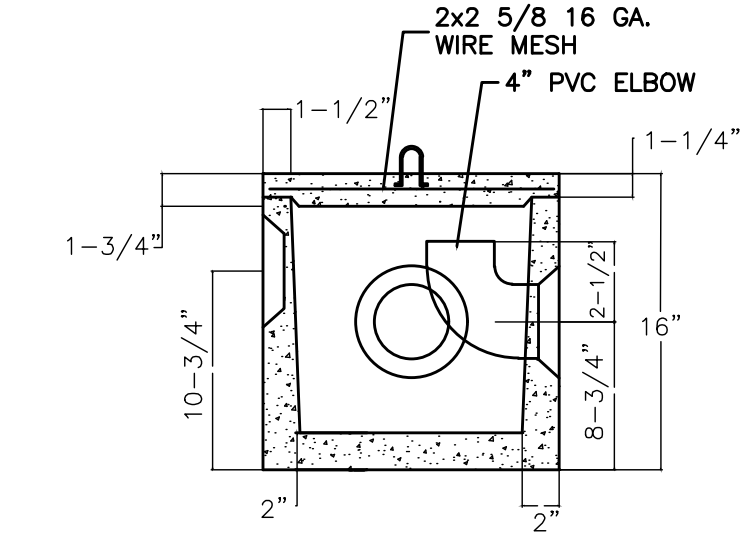
MINIMUM THRUST BLOCK DIMENSION REQUIREMENTS

THRUST BLOCK DETAILS & DIMENSIONS

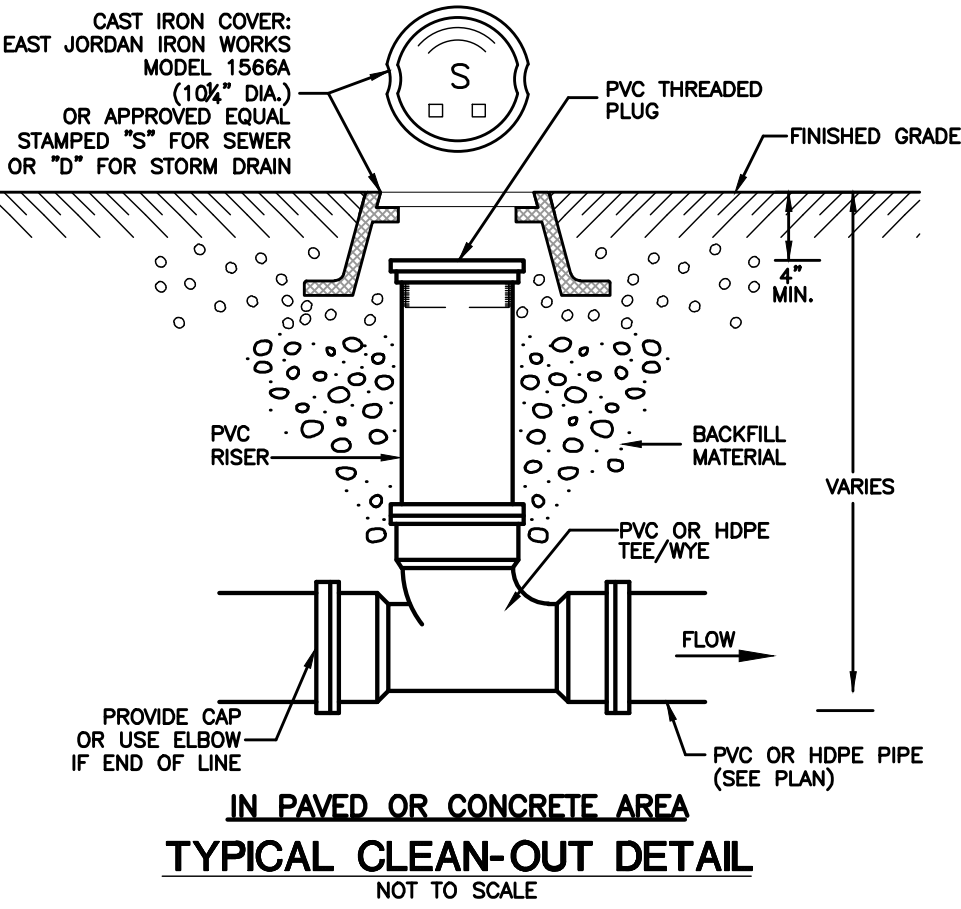
NOT TO SCALE



TYPICAL 12" LEACHING GALLEY TRENCH
NOT TO SCALE



STANDARD D-BOX W/ELOWBOW
NOT TO SCALE



IN PAVED OR CONCRETE AREA
TYPICAL CLEAN-OUT DETAIL
NOT TO SCALE

				GREEN SITE DESIGN LLC	
				317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165	
				MONTVILLE, CT	
				69 FITCH HILL RD & LEFFINGWELL RD	
				SEPTIC DETAILS	
				Project No. GSD-68 Proj. Engineer E.M.B. Date: 2/15/23 Sheet No. 11	

ZONING NOTES

- THE PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF MONTVILLE ZONING REGULATIONS SECTION 4.3 (CERTIFICATE OF COMPLIANCE).
- OWNER IS RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE POLLUTION PREVENTION PLAN, OPERATION AND MAINTENANCE OF DRAINAGE SYSTEM, AND EROSION CONTROL & SEDIMENTATION NARRATIVE.
- IN ACCORDANCE WITH SECTION 17.3 OF THE ZONING REGULATIONS, DIGITAL DATA SHALL BE SUBMITTED TO THE LAND USE DEPT. PRIOR TO ISSUANCE OF ANY ZONING PERMIT TO START WORK.
- ANY PROPOSED SIGNS (FREE STANDING OR WALL MOUNTED) SHALL REQUIRE AN APPROVED ZONING PERMIT PRIOR TO CONSTRUCTION. A ZONING PERMIT FOR ANY AND ALL FUTURE SIGNAGE SHALL BE SUBMITTED TO THE LAND USE OFFICE PRIOR TO CONSTRUCTION.

POLLUTION PREVENTION PLAN

- POLLUTION PREVENTION TEAM
THE OWNERS WILL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.

PARKING LOTS, DRIVEWAYS AND OTHER IMPERVIOUS SURFACES SHALL BE SWEEP CLEAN OF SAND AND LITTER AND ANY OTHER POLLUTANTS AT LEAST TWICE A YEAR.

 - BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL)
 - DURING APRIL (AFTER SNOW MELT) NO WASHING VEHICLES OR EQUIPMENT IN PARKING AREAS.
- MAINTENANCE AND INSPECTION

 - MONTHLY INSPECTION OF STORM WATER STRUCTURES AND OUTFALLS.
 - CLEAN SEDIMENT AND DEBRIS FROM STRUCTURES AND OUTFALLS ONCE A YEAR DURING APRIL.
 - SUBMIT MAINTENANCE & INSPECTION REPORT TO THE PLANNING DEPARTMENT AND THE DIRECTOR OF PUBLIC WORKS
- CLEAN SEDIMENT AND DEBRIS FROM BASIN ONCE A YEAR, DURING APRIL
- SPILL OR ACCIDENTAL DISCHARGE
COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.

CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338 AND THE MONTVILLE MAYOR.

IN THE EVENT A SPILL OCCURS THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:

 - STOP THE SOURCE OF THE SPILL
 - CONTAIN THE SPILL
 - COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
 - DISPOSE OF ABSORBER IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
- BEST MANAGEMENT PRACTICES FOR FUTURE UPKEEP OF THE SITE WILL INCLUDE NON-CHEMICAL LAWN CARE & MINIMAL USE OF FERTILIZERS, DE-ICING OR WINTER OPERATIONS WITHOUT THE USE OF CALCIUM, AND NO EXTERIOR WASHING OF VEHICLES OR DISCHARGING OF INTERIOR WASH WATER.

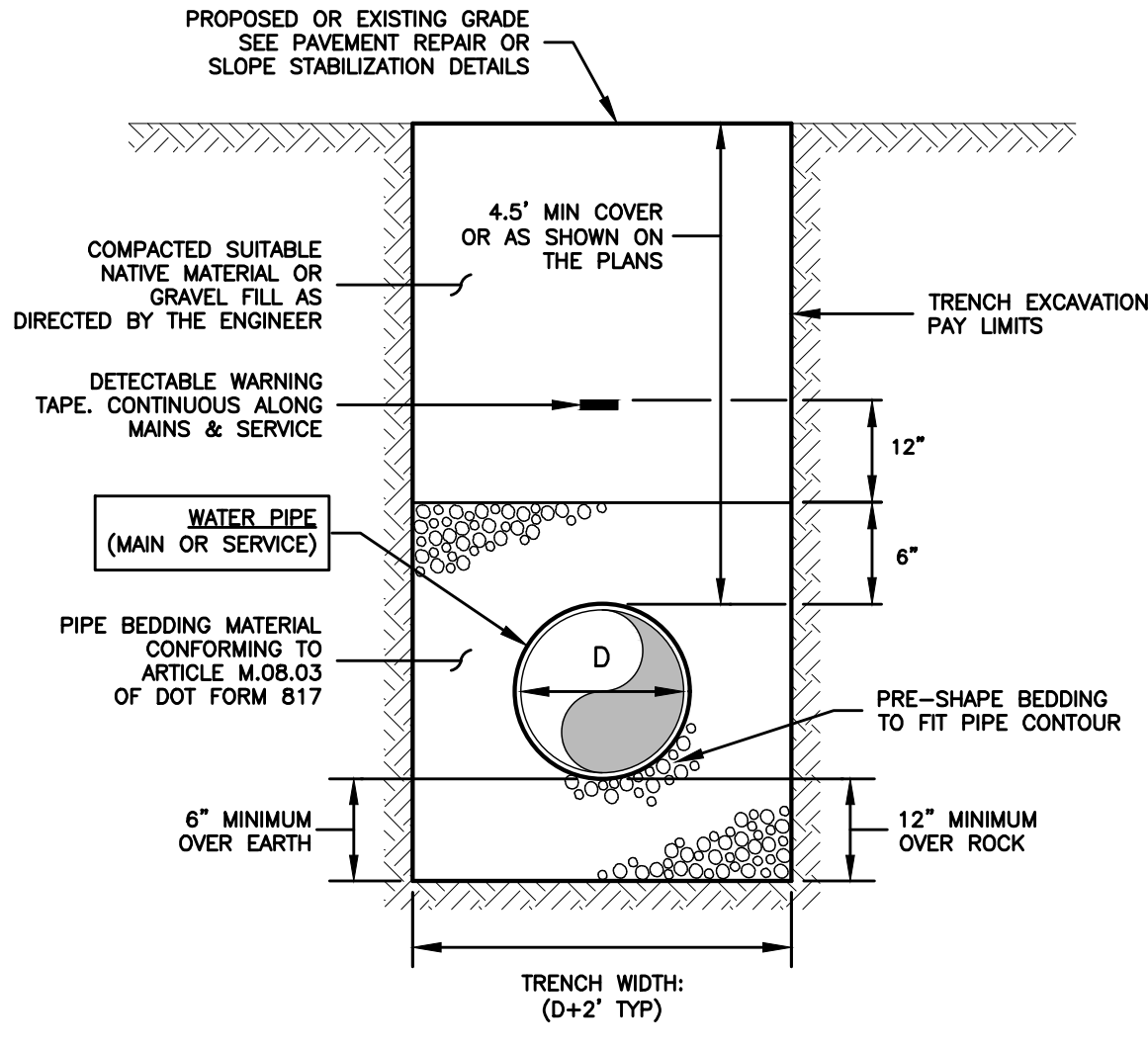
OPERATION AND MAINTENANCE OF DRAINAGE SYSTEM

- THE PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM.
- ALL STORMWATER BASINS AND RIPRAP LEVEL SPREADERS SHALL BE CLEANED OUT TWICE A YEAR, IN THE FALL AFTER THE LEAVES HAVE FALLEN AND IN THE SPRING AND ALL SEDIMENTS ARE TO BE REMOVED.
- THE STORMWATER BASINS SHALL BE MOWED TWICE A YEAR.

EROSION CONTROL & SEDIMENTATION NARRATIVE

- PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES, THE OWNER AND CONTRACTOR SHALL MEET WITH THE TOWN OF MONTVILLE LAND USE DEPARTMENT.
- STAKE LIMITS OF CLEARANCE
- THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON SHEETS 5 & 6 PRIOR TO SITE DISTURBANCE. ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED TO BE NECESSARY BY THE ZONING ENFORCEMENT OFFICER FROM LAND USE DEPARTMENT.
- INSTALL CONSTRUCTION ENTRANCE PER DETAIL.
- THE CONTRACTOR SHALL CONTACT THE ZONING ENFORCEMENT OFFICER FOR INSPECTION OF THE SEDIMENT AND EROSION CONTROL MEASURES, PRIOR TO SITE DISTURBANCE. CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME AS THE ZONING ENFORCEMENT OFFICER HAS REVIEWED AND APPROVED THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
- CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES, SEDIMENTATION BASINS & SWALES AT LEAST WEEKLY AND AFTER EVERY STORM EVENT AND REPAIR AND MAINTAIN AS NECESSARY.
- CLEARING & GRUBBING OF THE AREA TO BE GRADED. TOPSOIL TO BE REMOVED & STOCKPILED IN AN AREA OF BUILDING & SURROUNDED WITH SILT FENCE.
- CONSTRUCT WATER QUALITY BASINS TO FUNCTION AS TEMPORARY SEDIMENT TRAPS PRIOR TO ROUGH GRADING OF THE SITE.
- INSTALL DIVERSION SWALES AS SHOWN ON SHEET 5 AND DETAIL ON THIS SHEET.
- ROUGH GRADE SITE, EXCAVATE FOR BUILDING FOOTINGS, INSTALL SEPTIC & UTILITIES.
- BUILDING CONSTRUCTION TO PROCEED.
- INSTALL SEPTIC SYSTEM & UTILITIES.
- TOPSOIL SHALL BE RE-APPLIED TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
- ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED.
- ONCE THE SITE IS STABILIZED, REMOVE ALL SEDIMENT FROM FOREBAYS & WATER QUALITY BASIN
- REMOVE AN ADDITIONAL 12" OF MATERIAL BELOW ELEVATION 36 AND INSTALL 12" OF TOP SOIL.
- SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 AND JUNE 1 OR AUGUST 15 AND OCTOBER 1.
- THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ON ALL DISTURBED AREAS.

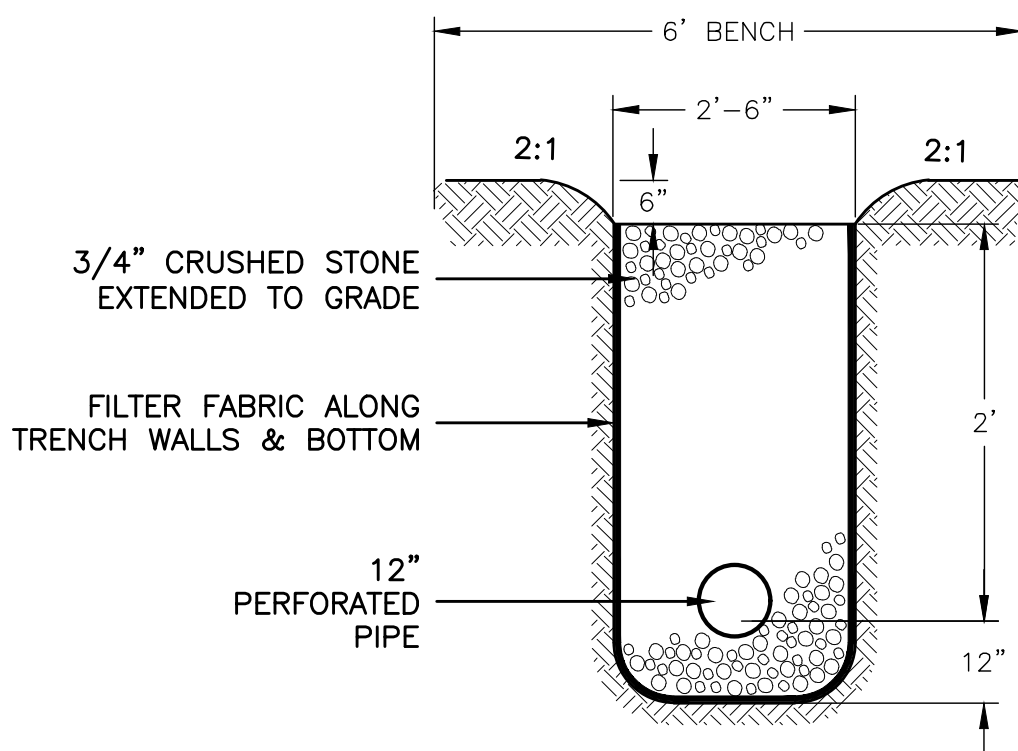
KENTUCKY BLUE GRASS	20 LB's/AC
CREeping RED FESCUE	20 LB's/AC
PERENNIAL RYEGRASS	5 LB's/AC
- UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL AS APPROVED BY THE DIRECTOR OF MONTVILLE LAND USE DEPARTMENT OR THE MONTVILLE PLANNING & ZONING COMMISSION.



- NOTES:
- D=INSIDE DIAMETER OF PIPE.
 - TRENCH WIDTHS NOTED ARE SET TO ESTABLISH PAY LIMITS ONLY.
 - ALL EXCAVATIONS MUST MEET OSHA STANDARDS.
 - CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL.
 - BEDDING MATERIAL TO CONFORM TO M.08.03.1 AS PER CT DOT FORM 817.

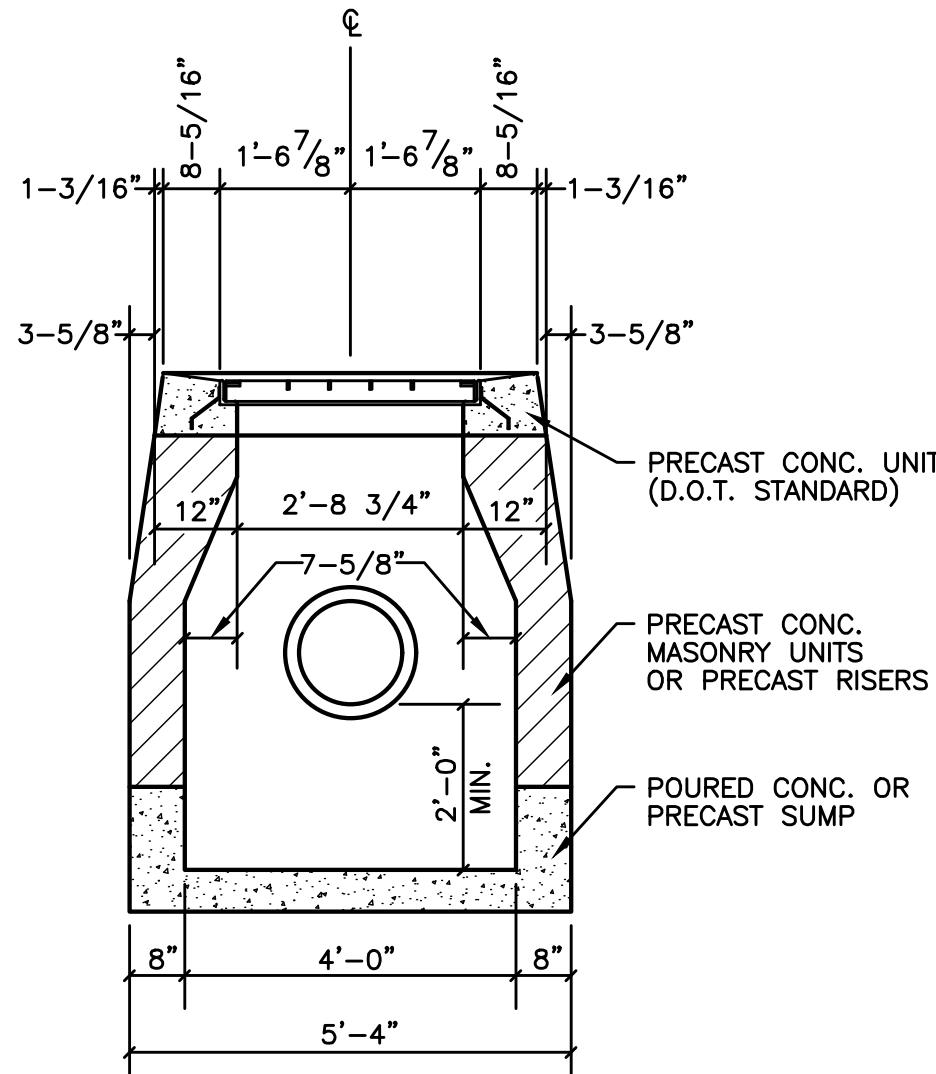
TRENCH DETAIL: WATER MAIN & SERVICE

NOT TO SCALE

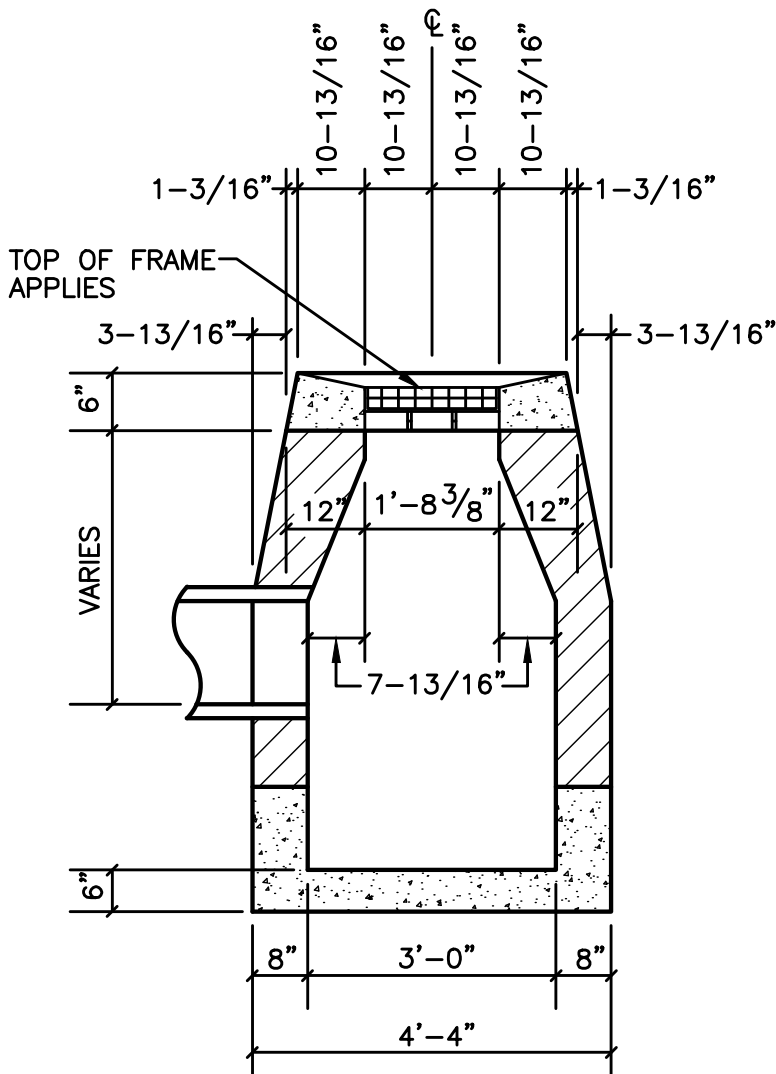


CURTAIN DRAIN DETAIL

NOT TO SCALE



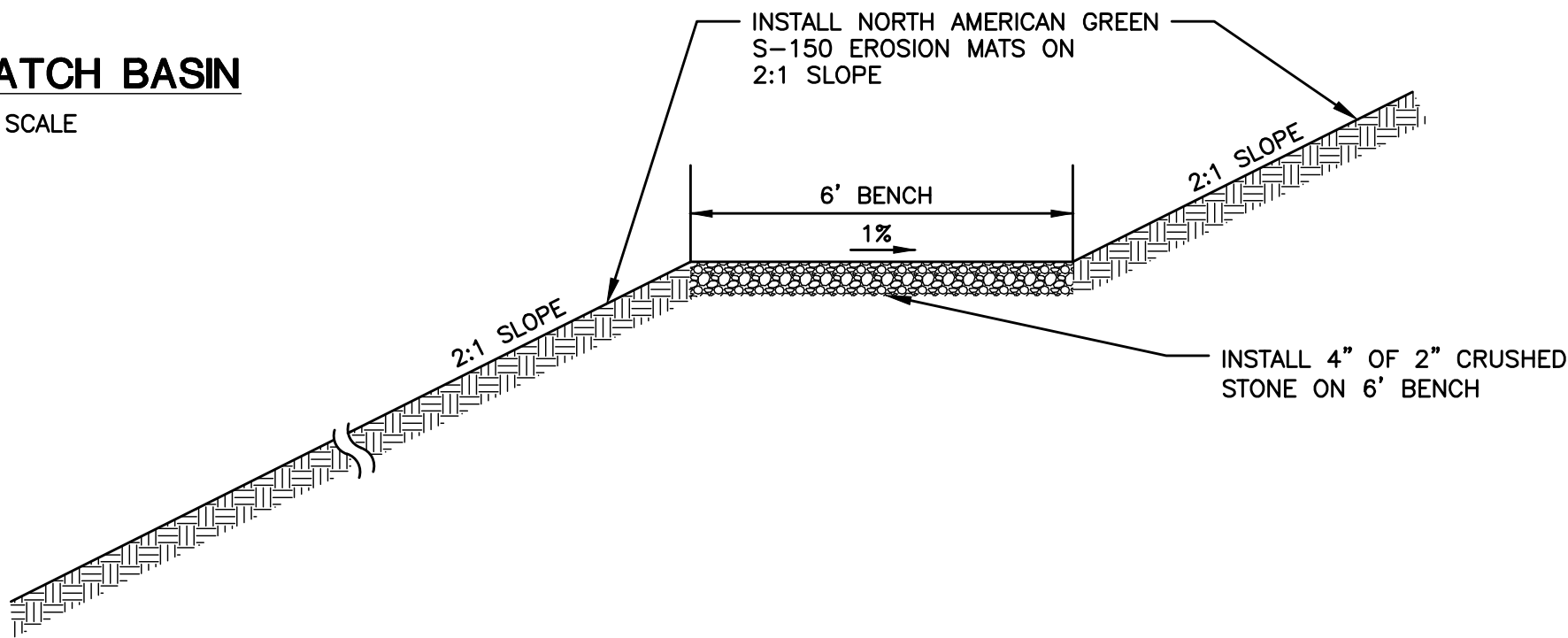
FRONT ELEVATION



SIDE ELEVATION

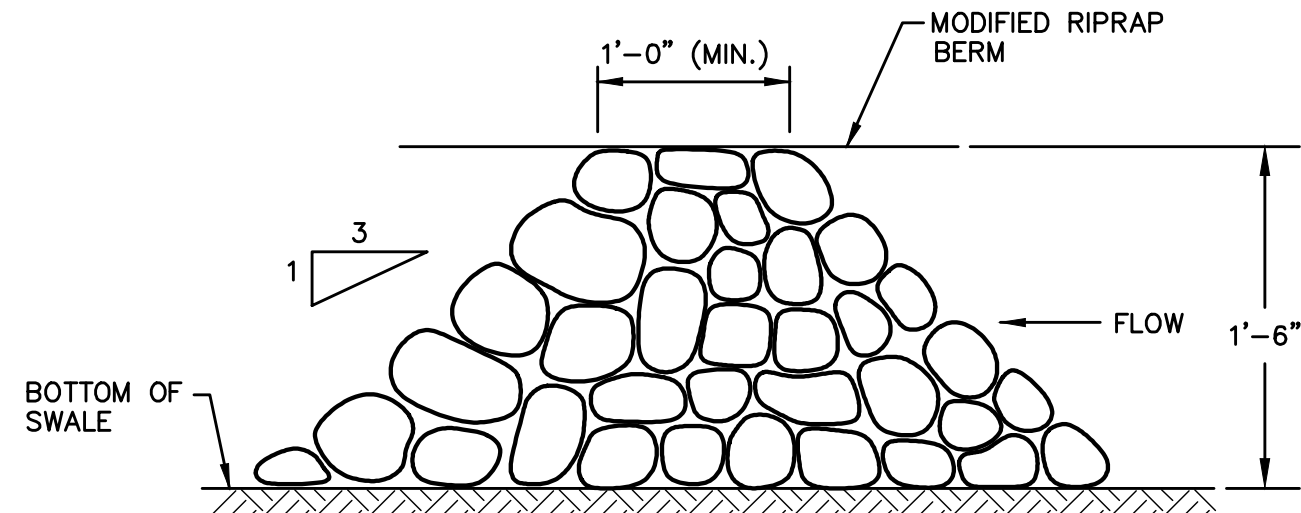
TYPE "C-L" CATCH BASIN

NOT TO SCALE



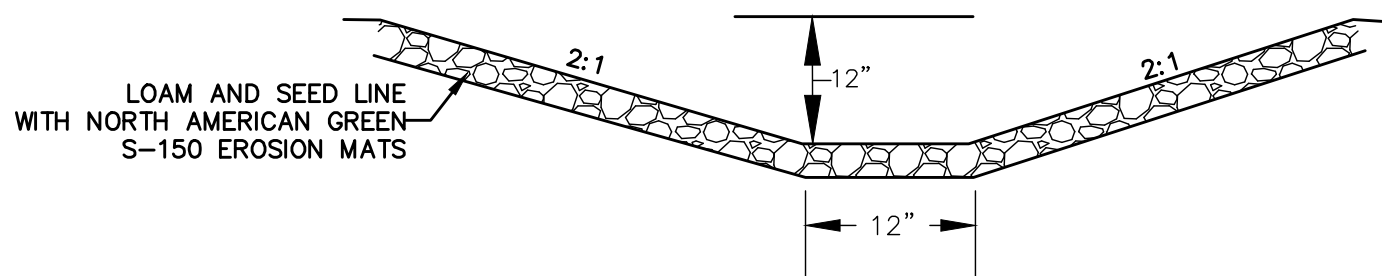
6' BENCH IN 2:1 SLOPE

NOT TO SCALE



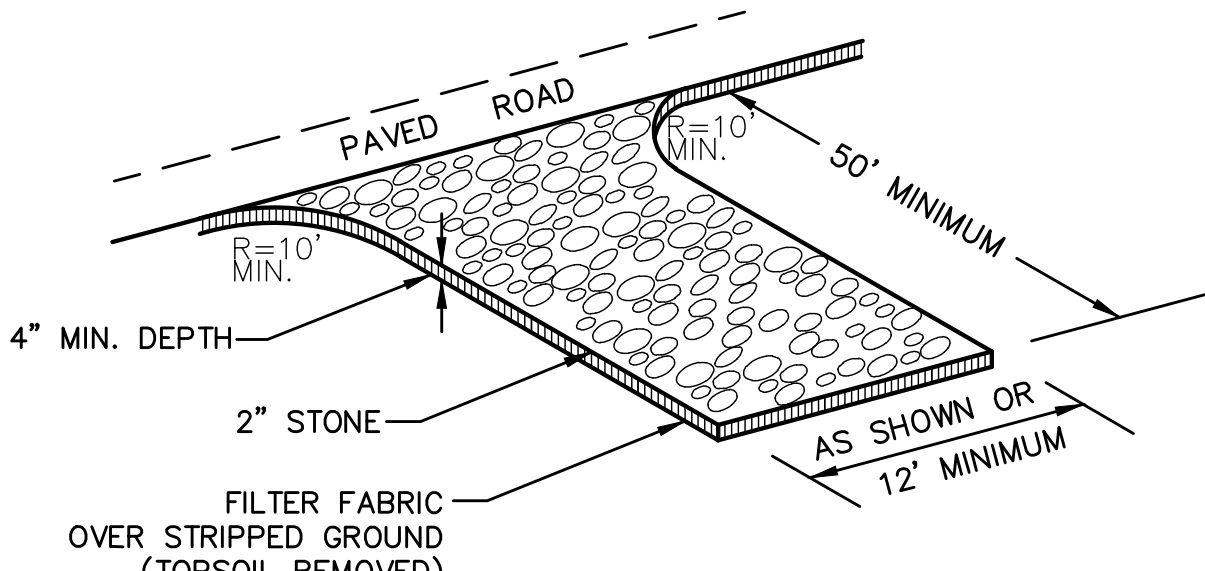
STONE CHECK DAM

NOT TO SCALE



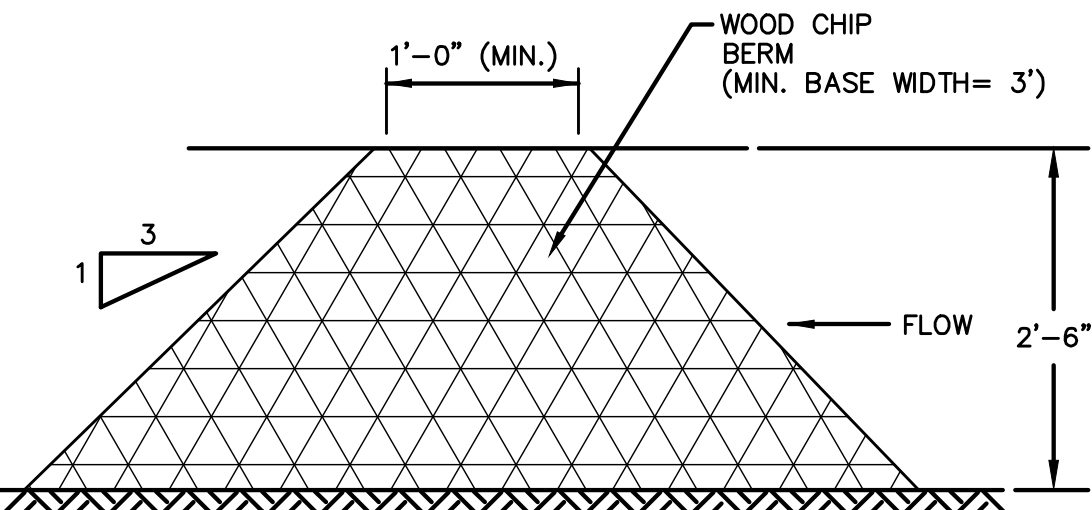
PERMANENT DIVERSION SWALE

NOT TO SCALE



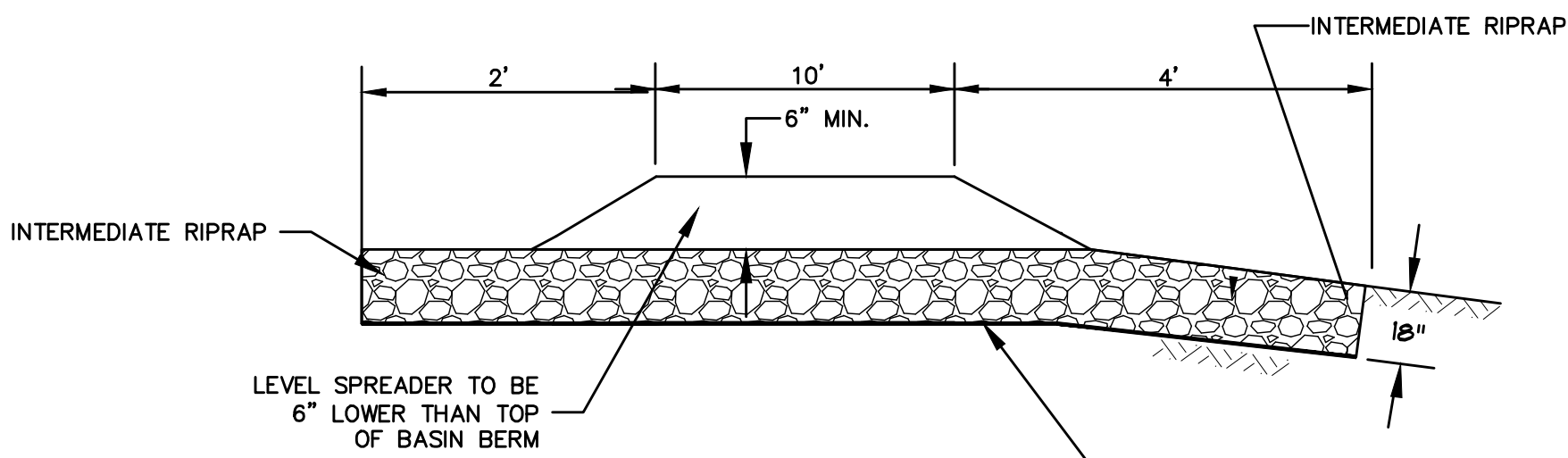
CONSTRUCTION ENTRANCE

NOT TO SCALE



WOOD CHIP BERM

NOT TO SCALE



LEVEL SPREADER

NOT TO SCALE

PERVIOUS FILTER FABRIC
* IN ACCORDANCE WITH
SECTION 2.19.02 OF
D.O.T. FORM 816

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69 FITCH HILL RD & LEFFINGWELL RD				Proj. Engineer E.M.B.	
E&S DETAILS				Date: 2/15/23	
				Sheet No. 12	