

NOTICE OF INTENT

LOT 9

THE WINSLOW DRIVE REALTY GROUP, LLC
17 WINSLOW DRIVE
ATKINSON, NH 03811

INDEX OF SHEETS

C1	SHEET	1 OF 4	COVER SHEET & GENERAL NOTES
C2	SHEET	2 OF 4	SITE PLAN
C3	SHEET	3 OF 4	BMP & SITE DETAILS
C4	SHEET	4 OF 4	EROSION CONTROL DETAILS

ZONING DISTRICT

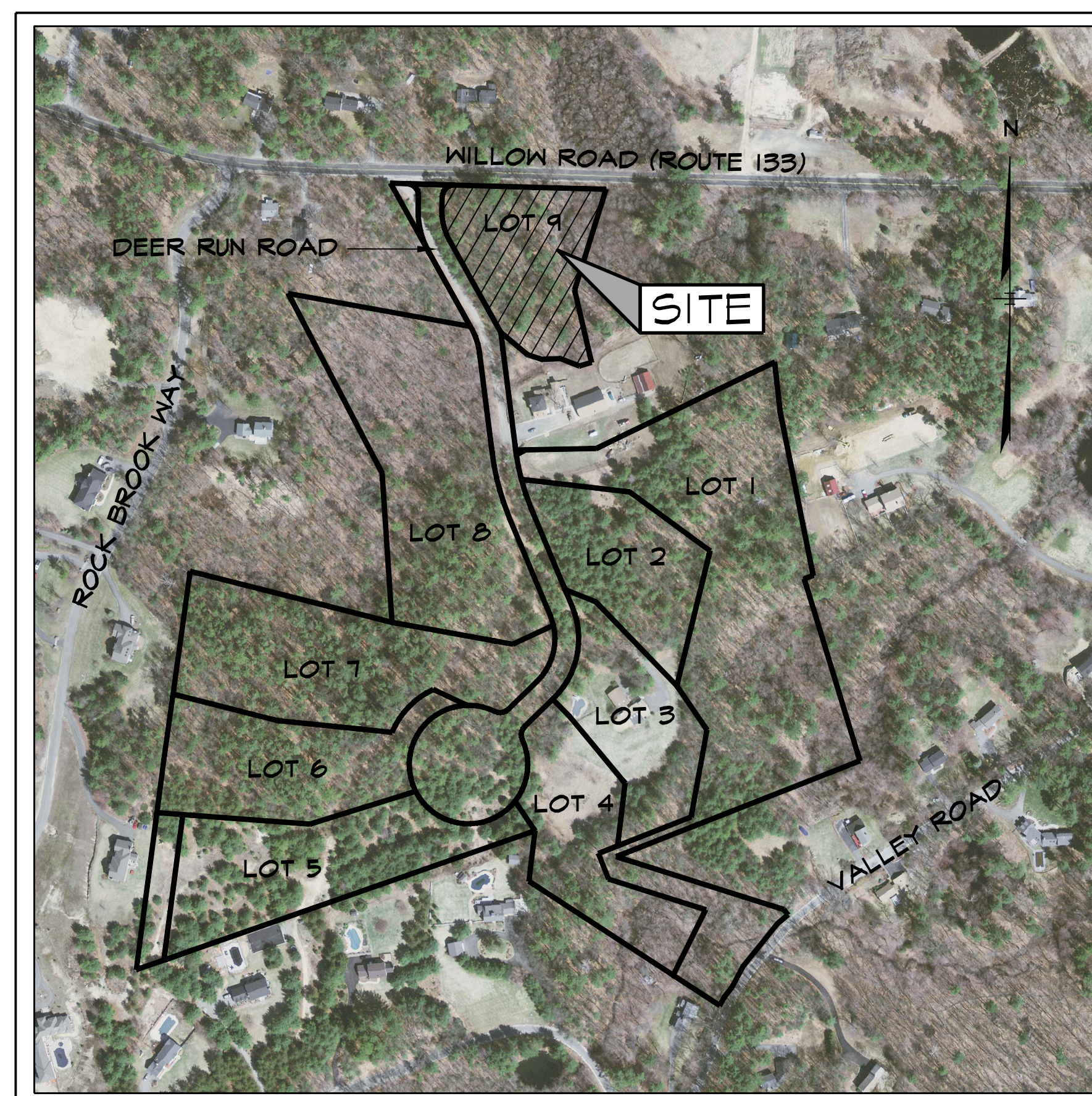
R-A RESIDENTIAL - AGRICULTURAL DISTRICT
MINIMUM LOT SIZE = 2 ACRES
(6 ACRES FOR REDUCED FRONTAGE LOT)
FRONTAGE = 250' (50' FOR REDUCED FRONTAGE LOT)
MINIMUM LOT WIDTH = 200' DIAMETER CIRCLE
PERCENT COVERAGE = BUILDINGS LESS THAN 25% OF THE LOT AREA
MINIMUM SET BACKS:
FRONT = 50'
SIDE = 25'
REAR = 25'

REFERENCES

ASSESSORS MAP II	BLOCK I	LOTS 1,2,16,17,26,5
DEEDS	BUSBY: BK. 3128 PG. 203 SIEGERT: BK. 23276 PG. 483	ESSEX CO. PRO. 05P2650EPI
PLANS	PL. BK. 134 PL. 18 PL. BK. 318 PL. 76 PL. BK. 41 PL. 75 L.C. PLAN 25371D 1931 COUNTY LAYOUT #2486 PL. BK. 258 PL. 41 PL. BK. 245 PL. 47	

NOT IN A HAZARD ZONE SHOWN ON F.J.R.M. 25007B
0002 C, DATED 6-3-91

VERTICAL DATUM: NGVD, 1929



LOCATION PLAN

SCALE: 1" = 250' ±
SOURCE: MA GIS DIGITAL RASTER GRAPHIC (DRG)

CURRENT OWNERS:
BARBARA M. SIEGERT, TRUSTEE
BARBARA M. SIEGERT REALTY TRUST
PHILIP A. JR. & ANNA MARIE BUSBY

NOTE
ALL OF THE UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS PLAN. CONTACT INDIVIDUAL UTILITY COMPANIES TO DETERMINE THE LOCATION OF THE LINES. BEFORE DESIGN AND CONSTRUCTION CALL "DIG SAFE" AT 1-800-DIG SAFE

PROJECT GENERAL NOTES

- EXISTING BOUNDARY LINE, TOPOGRAPHIC, AND SITE UTILITY INFORMATION IS BASED UPON FIELD SURVEY PERFORMED BY DONOHOE SURVEYING, INC.
- PRIOR TO WORK, CONTRACTOR SHALL HAVE THE PROPOSED SITE LAID OUT VERTICALLY AND HORIZONTALLY BY A PROFESSIONAL LAND SURVEYOR.
- IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS, THE CONTRACTOR SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO EXCAVATION WORK AND CALL DIG-SAFE AT 1-800-DIG-SAFE PRIOR TO COMMENCING WORK.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATIONS, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES AND REGULATIONS.
- CONTRACTOR SHALL COORDINATE WITH THE STATE POLICE DEPARTMENT FOR TRAFFIC RELATED ISSUES PRIOR TO COMMENCING WORK. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC COORDINATION AND POLICE DETAILS AS REQUIRED BY THE STATE.
- CONTRACTOR SHALL SAW-CUT PAVEMENT WHERE PAVEMENT TO BE REMOVED ABUTS PAVEMENT WHICH IS TO REMAIN AND WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT.
- CONTRACTOR SHALL MAINTAIN ALL NEW AND EXISTING UTILITIES IN GOOD WORKING ORDER AND SHALL PROTECT THEM FROM DAMAGE AT ALL TIMES THROUGHOUT CONSTRUCTION UNTIL WORK IS COMPLETED AND ACCEPTED.
- PINERIDGE SUBDIVISION DEP #114-1151 PINERIDGE SUBDIVISION.

CONSULTANTS:

CIVIL ENGINEER:
ASB DESIGN GROUP, LLC
363 BOSTON STREET
TOPPSFIELD MA 01983
978.887.6161

SURVEYOR:
DONOHOE SURVEY, INC.
363 BOSTON STREET
TOPPSFIELD MA 01983
978.887.6161

WETLANDS:
RIMMER ENVIRONMENTAL CONSULTING, LLC
50 GREEN STREET
NEWBURYPORT MA 01950
978.463.9226

PROJECT BENCHMARK:

FROM BOXFORD MA TOWN*
"PINERIDGE SUBDIVISION PROJECT"

BENCHMARK: STA 13+91.11 85.98' RT
CUT SPIKE IN 24" PINE TREE
ELEV. = 139.39

BENCHMARK: STA 18+41.40 61.90' RT
CUT SPIKE IN UTILITY POLE #2108/4
ELEV. = 143.96

project title:

PINERIDGE
SUBDIVISION

prepared for:

THE WINSLOW DRIVE
REALTY GROUP, LLC
24 WINSLOW DRIVE
ATKINSON, NH 03811

revisions

no.	date	description
0	08.06.15	ISSUED FOR REVIEW

plan submission

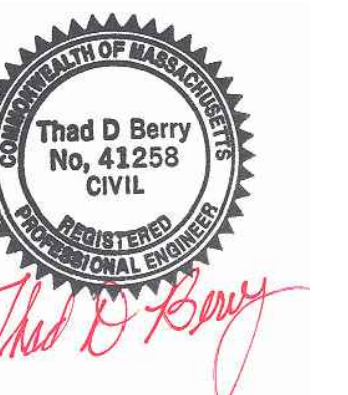
NOTICE OF INTENT
LOT 9

date: 08.06.2015

scale: 1"=20'

job no: 2011-57 / 2704

DEP no: 114 - 1151 ROADWAY



drawing name

COVER SHEET &
GENERAL NOTES

drawing number

C1

project title:

PINERIDGE SUBDIVISION

prepared for:

THE WINSLOW DRIVE
REALTY GROUP, LLC
24 WINSLOW DRIVE
ATKINSON, NH 03811

revisions

no.	date	description
0	08.06.15	ISSUED FOR REVIEW

plan submission

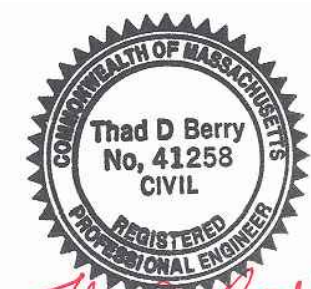
NOTICE OF INTENT LOT 9

date: 08.06.2015

scale: 1"=20'

job no: 2011-57 / 2704

DEP no: 114 - 1151 ROADWAY



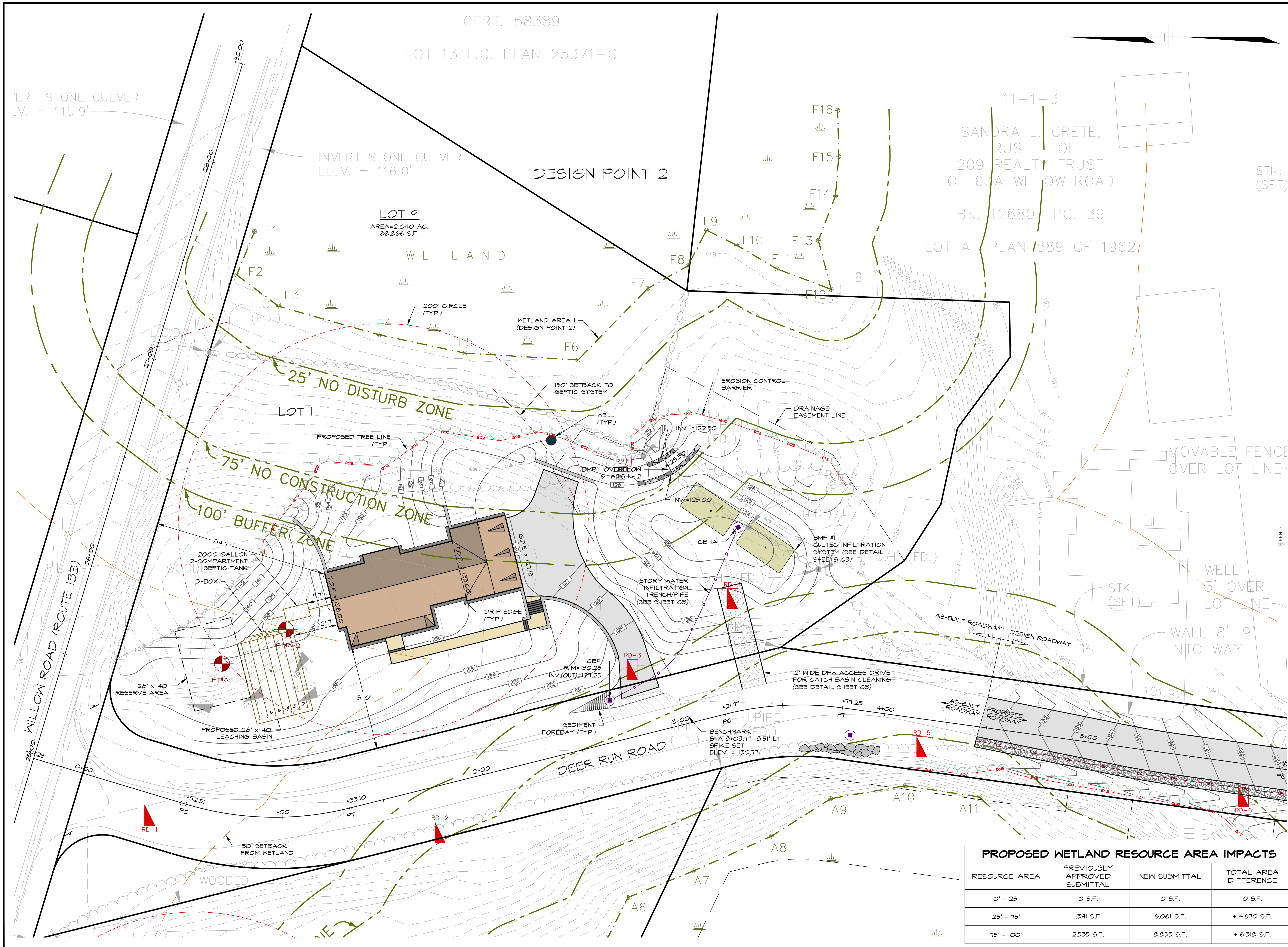
Thad D. Berry

drawing name

SITE PLAN

drawing number

C2



PROPOSED WETLAND RESOURCE AREA IMPACTS			
RESOURCE AREA	PREVIOUSLY APPROVED SUBMITTAL	NEW SUBMITTAL	TOTAL AREA DIFFERENCE
0' - 25'	0 S.F.	0 S.F.	0 S.F.
25' - 75'	1,391 S.F.	6,061 S.F.	+ 4,670 S.F.
75' - 100'	2,535 S.F.	8,853 S.F.	+ 6,318 S.F.

INFILTRATION CALCULATIONS:

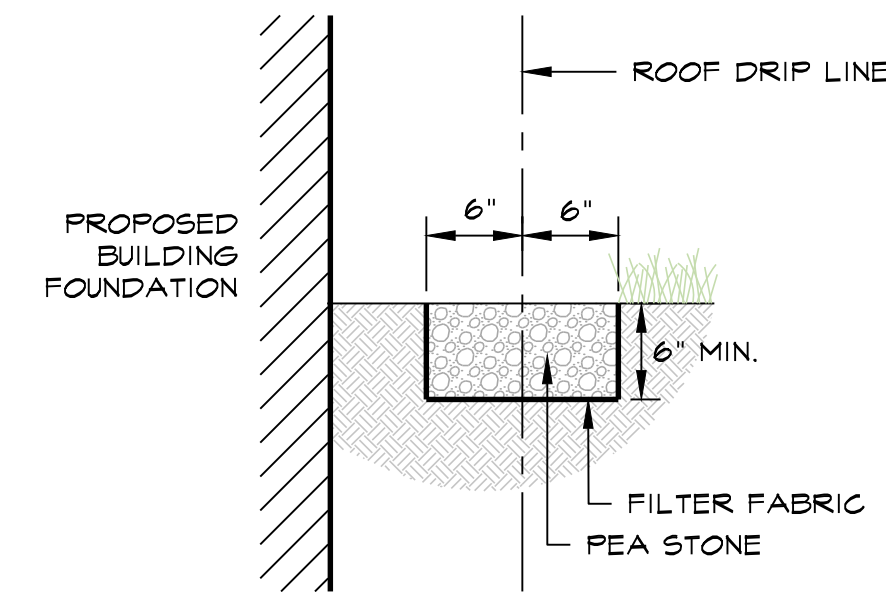
TEXTURE CLASS	NRCS HYDROLOGIC SOIL GROUP (HSG)	INFILTRATION RATE (INCHES/HOUR)
SAND	A	8.27
LOAMY SAND	A	2.41
SANDY LOAM	B	1.02
LOAM	B	0.52
SILT LOAM	C	0.27
SANDY CLAY LOAM	C	0.17
CLAY LOAM	D	0.09
SILTY CLAY LOAM	D	0.06
SANDY CLAY	D	0.05
SILTY CLAY	D	0.04
CLAY	D	0.02

POND 1 AREA = 10 X 19.5' = 195.0 SQFT

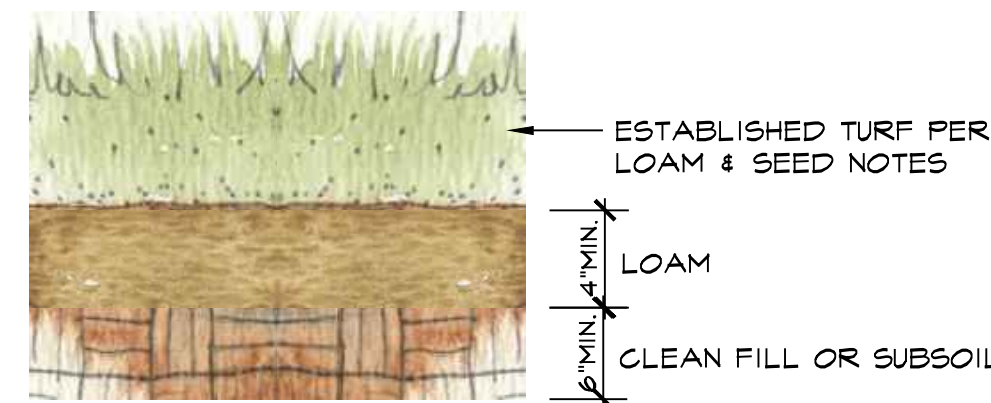
INFILTRATION FOR ROOF - BMP #1 ("STATIC" METHOD)

- INFILTRATION RATE: 8.27 IN/HR
- Q = (K) x (BOTTOM AREA) = (8.27 IN/HR) x (195.00') x (12' x 3600 sec)
- Q = 0.37 cfs SAY 0.04
- V = $\frac{41.8 \text{ cf}}{\text{UNIT}} \times 4 \text{ UNITS} = 167.2 \text{ cf}$ (CULTECH C-100 OR EQUAL)
- DRAWDOWN TIME = $\frac{V}{Q} < 12 \text{ HOURS}$
- DRAWDOWN TIME = $\frac{1600/040}{3600 \text{ sec}} \times \frac{1 \text{ HR}}{3600 \text{ sec}} = 11.1 \text{ HOURS}$

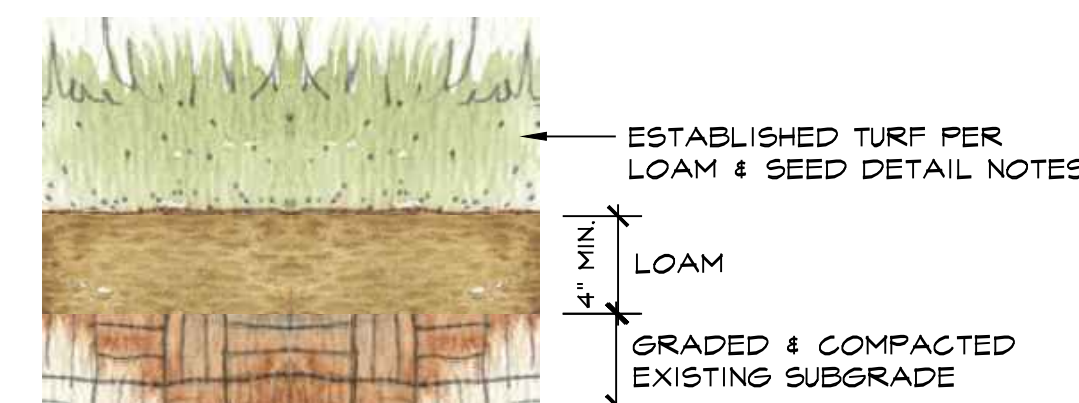
IF DOWN SPOUTS ARE NOT USED THE CONTRACTOR SHALL INSTALL A STONE DRIP EDGE (12" WIDE MINIMUM) AT ALL ROOF DRIP EDGES THAT DISCHARGES STORMWATER ROOF RUNOFF.



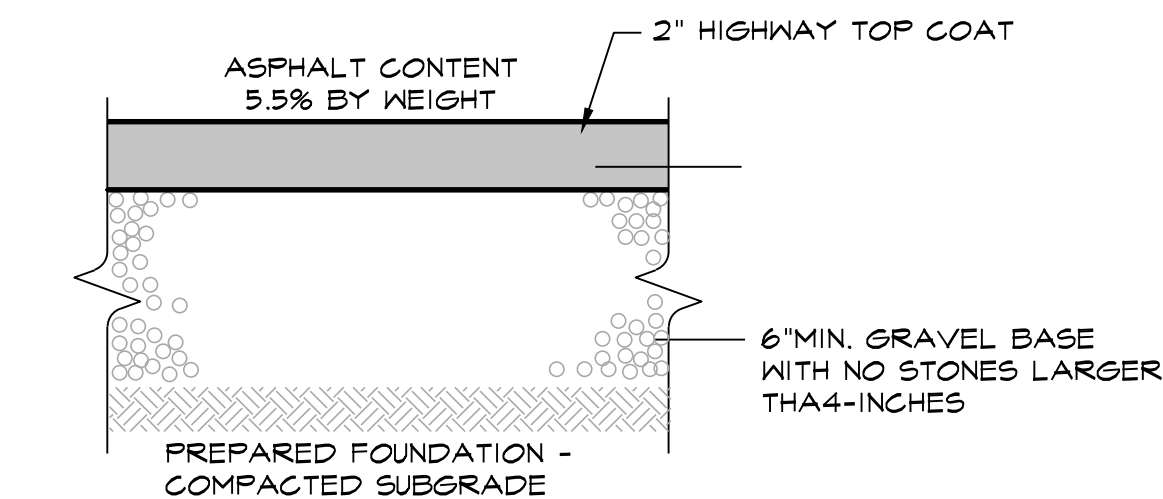
DRIP EDGE DETAIL
NOT TO SCALE



LOAM & SEED DETAIL
NOT TO SCALE
SEED BMP #1 WITH NATIVE MEADOW GRASS AND WILD FLOWER SEED MIX.



LOAM & SEED BMP ACCESS DRIVE
NOT TO SCALE



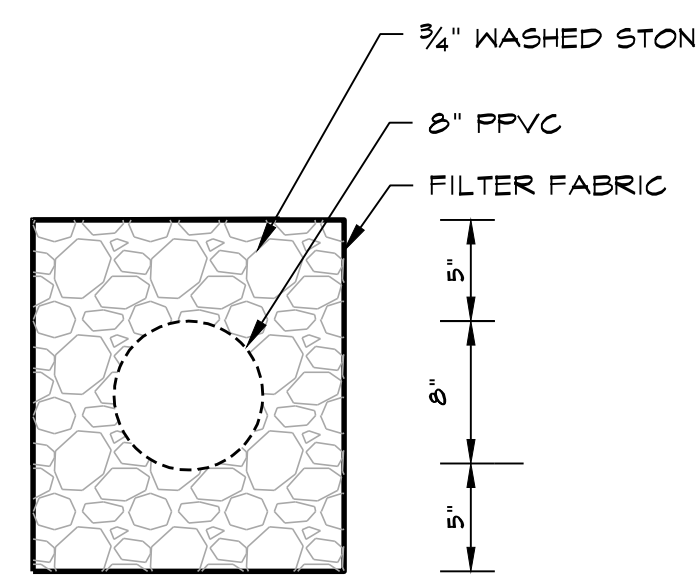
TYPICAL PAVEMENT SECTION DRIVEWAY
NOT TO SCALE



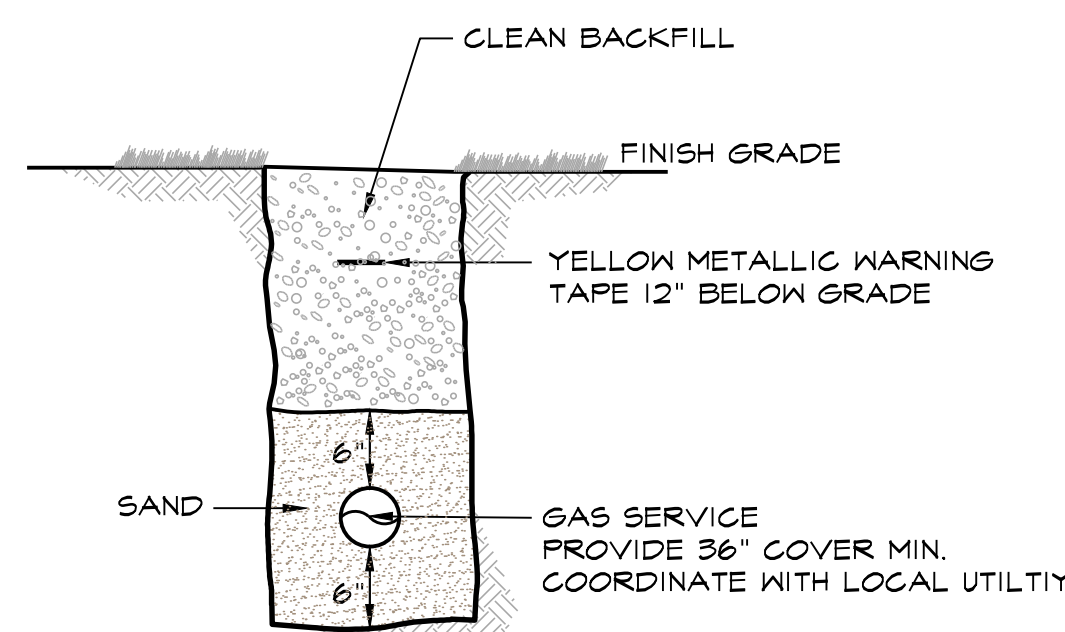
MEADOW GRASS



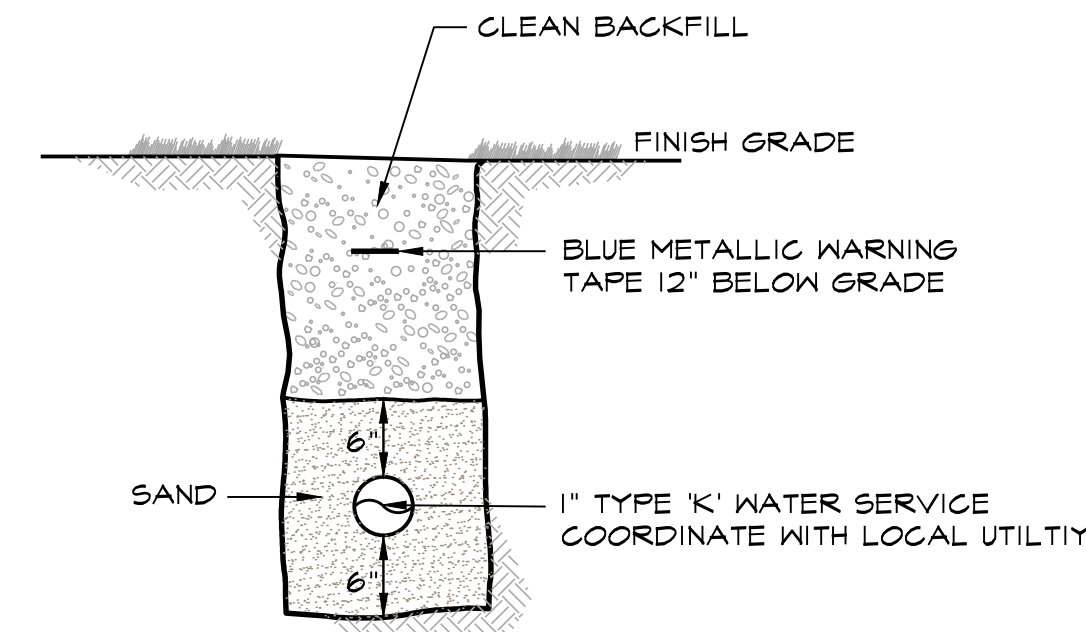
WILD FLOWER



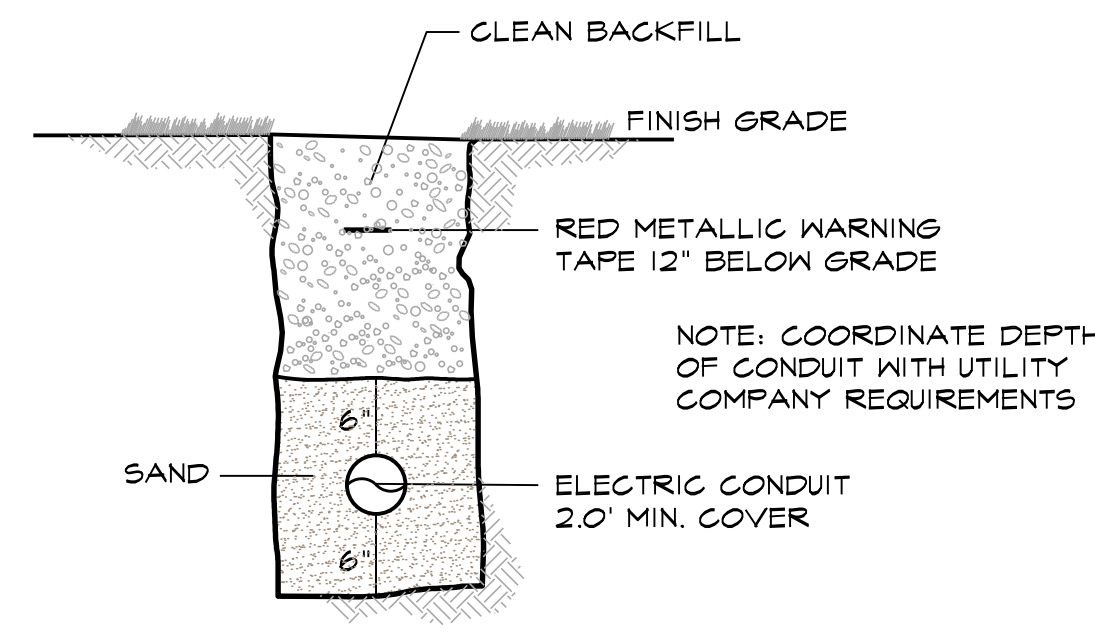
STORMWATER INFILTRATION TRENCH/PIPE
NOT TO SCALE



GAS SERVICE TRENCH
NOT TO SCALE



WELL/WATER SERVICE TRENCH
NOT TO SCALE

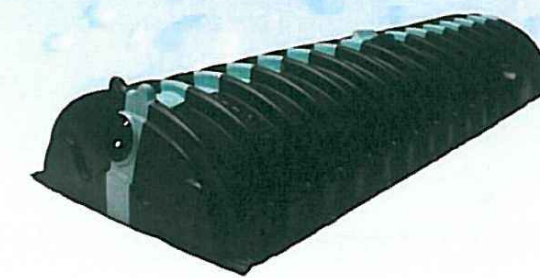


ELECTRIC SERVICE TRENCH
NOT TO SCALE

Technical Information

CULTEC Contactor® 100HD

The Contactor® 100HD is a 12.5" (318 mm) tall, low profile chamber and is typically used for installations with depth restrictions or when a larger infiltrative area is required. The Contactor 100HD has the side portal internal manifold. The HVLV™ SFCx2 Feed Connector is inserted into the side portal of the Contactor 100HD to create the internal manifold.



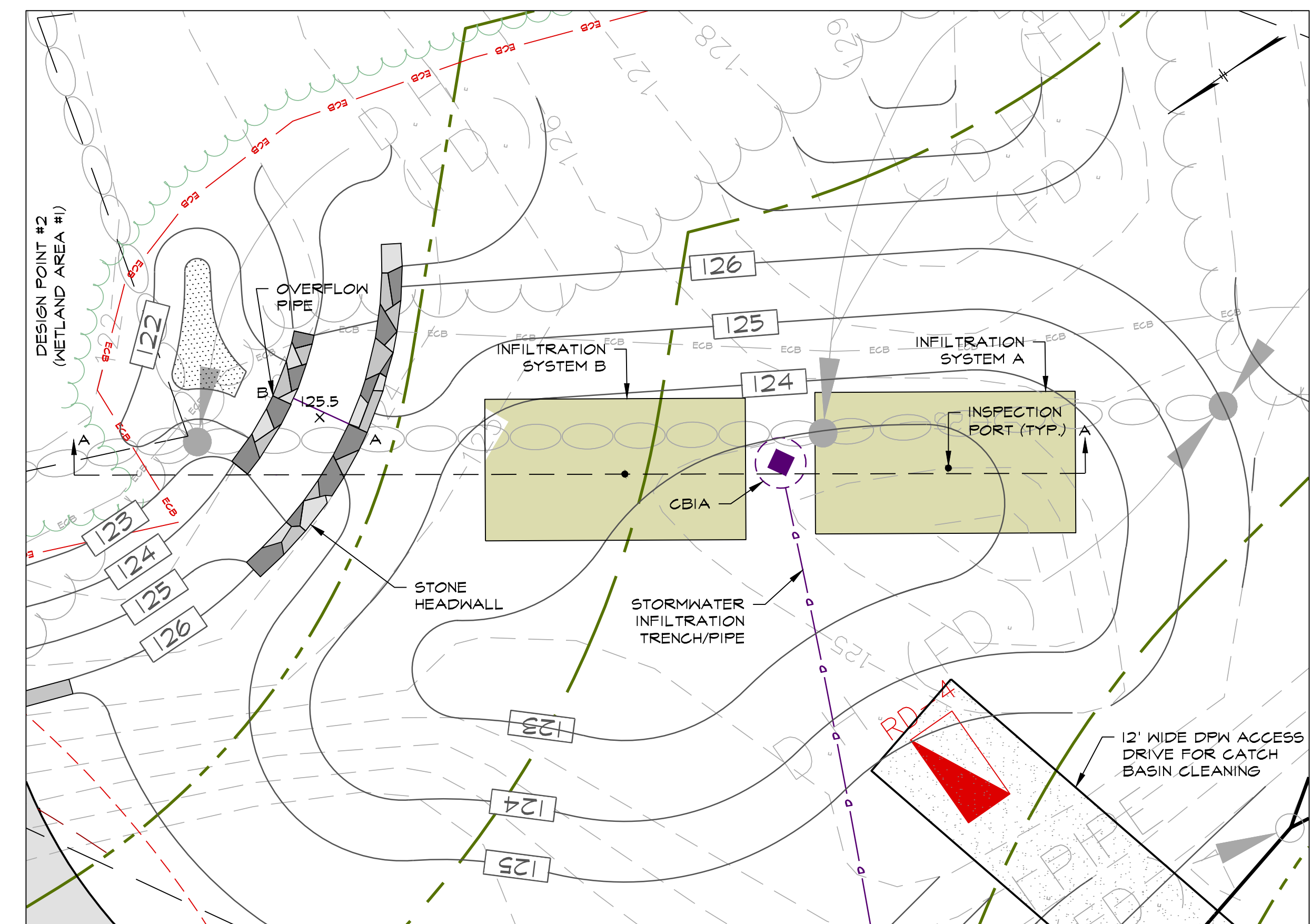
Size (L x W x H)	8" x 36" x 12.5"
Installed Length	2.44 m x 914 mm x 318 mm
Length Adjustment per Run	0.5'
Chamber Storage	0.15 m ³
Min. Installed Storage	1.87 ft ³ /ft
Min. Area Required	0.17 m ² /unit
Min. Center to Center Spacing	14.00 ft/unit
Max. Allowable Cover	0.40 m ³ /unit
Max. Inlet Opening in Endwall	3.84 ft/ft
Side Portal Dimensions (H x W)	28.81 ft ³ /unit
Compatible Feed Connector	25 ft ²
	2.32 m ²
	3.33'
	1.02 m
	4.27 m
	10"
	250 mm
	7" x 7.5"
	178 mm x 191 mm
	6"
	150 mm
	HVLV™ SFCx2 Feed Connector

Elevation	Incremental Storage Volume	Cumulative Storage
ft.	mm	ft ³
12	305	0.009
11	279	0.007
10	254	0.110
9	229	0.139
8	203	0.159
7	178	0.174
6	152	0.184
5	127	0.192
4	102	0.203
3	76	0.203
2	51	0.203
1	25	0.223
Total	1.886	13.995

Calculations are based on installed chamber length.

Stone Foundation Depth	6"	12"	18"
	152 mm	305 mm	457 mm
Chamber and Stone Storage Per Chamber	28.81 ft ³	33.81 ft ³	38.81 ft ³
Min. Effective Depth	2.04'	2.54'	3.04'
Stone Required Per Chamber	0.62 m ³	0.77 m ³	0.93 m ³
	1.37 yd ³	1.84 yd ³	2.30 yd ³
	1.05 m ³	1.40 m ³	1.76 m ³

Includes 6" (152 mm) stone above crown of chamber and typical stone surround. Stone void calculated at 40%.

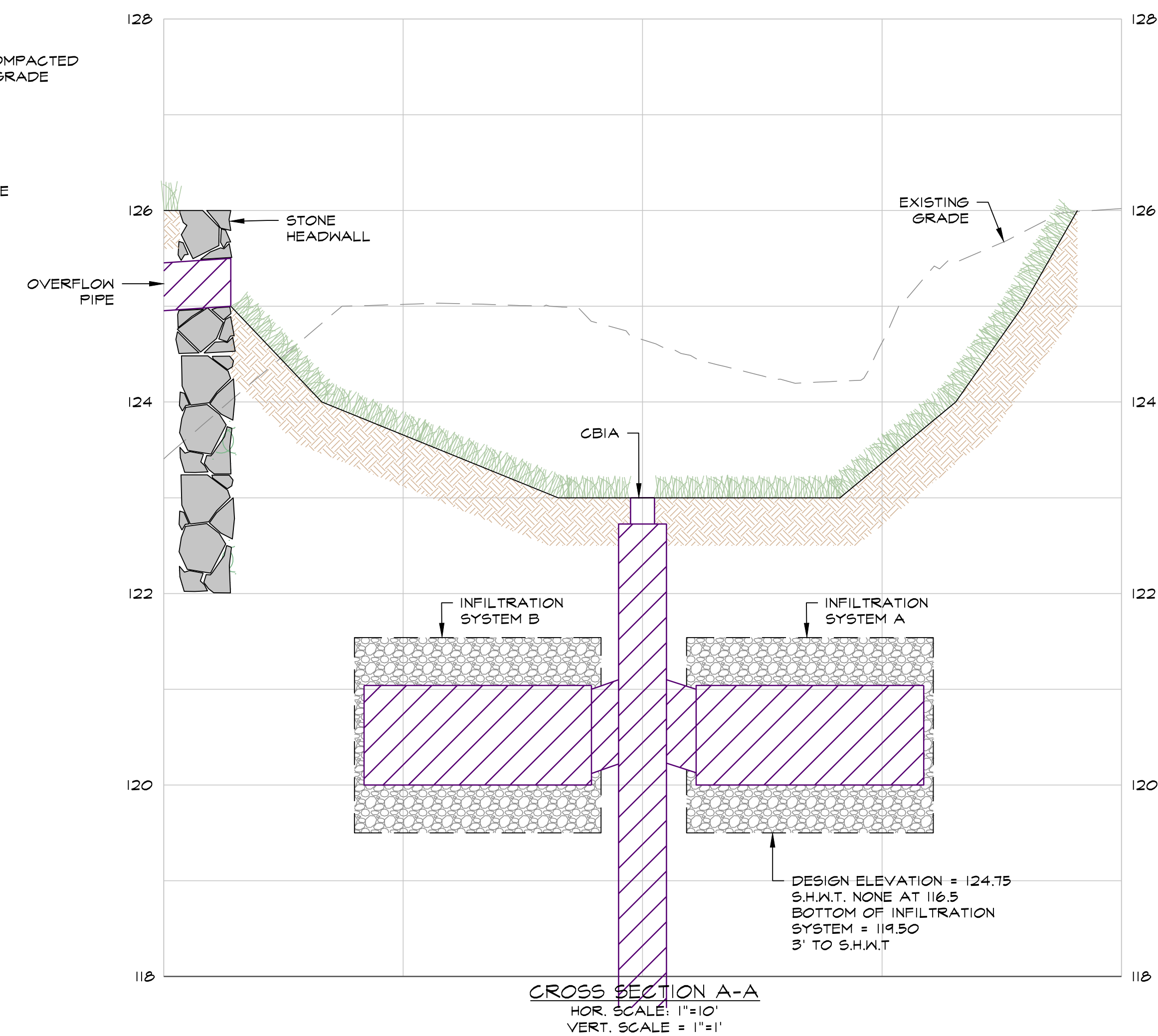


BMP #1
SCALE: 1"=10'

CBIA
RIM=123.00
INV. (IN - CB#1)=120.30 (8" PPVC)
INV. (OUT TO CULTEC CHAMBERS)=120.30 (10" ADS N-12)

OVERFLOW PIPE
INV. @ A=125.00
INV. @ B=122.50
6'-6" ADS N-12

CULTEC C-100 CONTACTOR
INV. (INTO CULTEC CHAMBERS)=120.50
BOTTOM OF STONE INFILTRATION AREA=119.50
9 CHAMBERS FOR INFILTRATION SYSTEM A
9 CHAMBERS FOR INFILTRATION SYSTEM B
TOTAL AREA (A&B)=2(25.75x14.00)=721.00 S.F.
HYDROCAD MODEL AREA=48.50x14.00=679.00 S.F.



CROSS SECTION A-A
HOR. SCALE: 1"=10'
VERT. SCALE: 1"=1'

project title:

PINERIDGE SUBDIVISION

prepared for:
THE WINSLOW DRIVE REALTY GROUP, LLC
24 WINSLOW DRIVE
ATKINSON, NH 03811

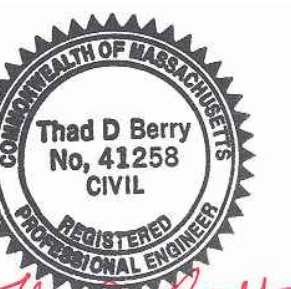
revisions

no.	date	description
0	08.06.15	ISSUED FOR REVIEW

plan submission

NOTICE OF INTENT LOT 9

date: 08.06.15
scale: 1"=20'
job no: 2011-57 / 2704
DEP no: 114 - 1151 ROADWAY



drawing name

BMP & SITE DETAILS

drawing number

C3

project title:

PINERIDGE SUBDIVISION

prepared for:

THE WINSLOW DRIVE
REALTY GROUP, LLC
24 WINSLOW DRIVE
ATKINSON, NH 03811

revisions

no.	date	description
0	08.06.15	ISSUED FOR REVIEW

plan submission

NOTICE OF INTENT LOT 9

date: 08.06.15

scale: 1"=20'

job no: 2011-57 / 2704

DEP no: 114 - 1151 ROADWAY



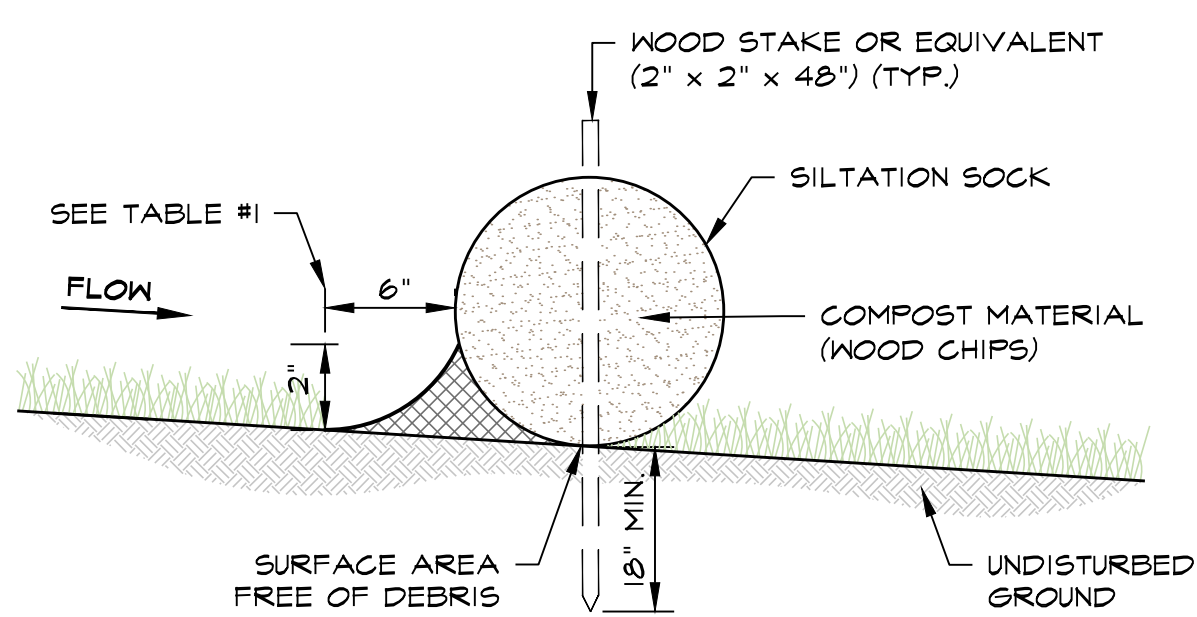
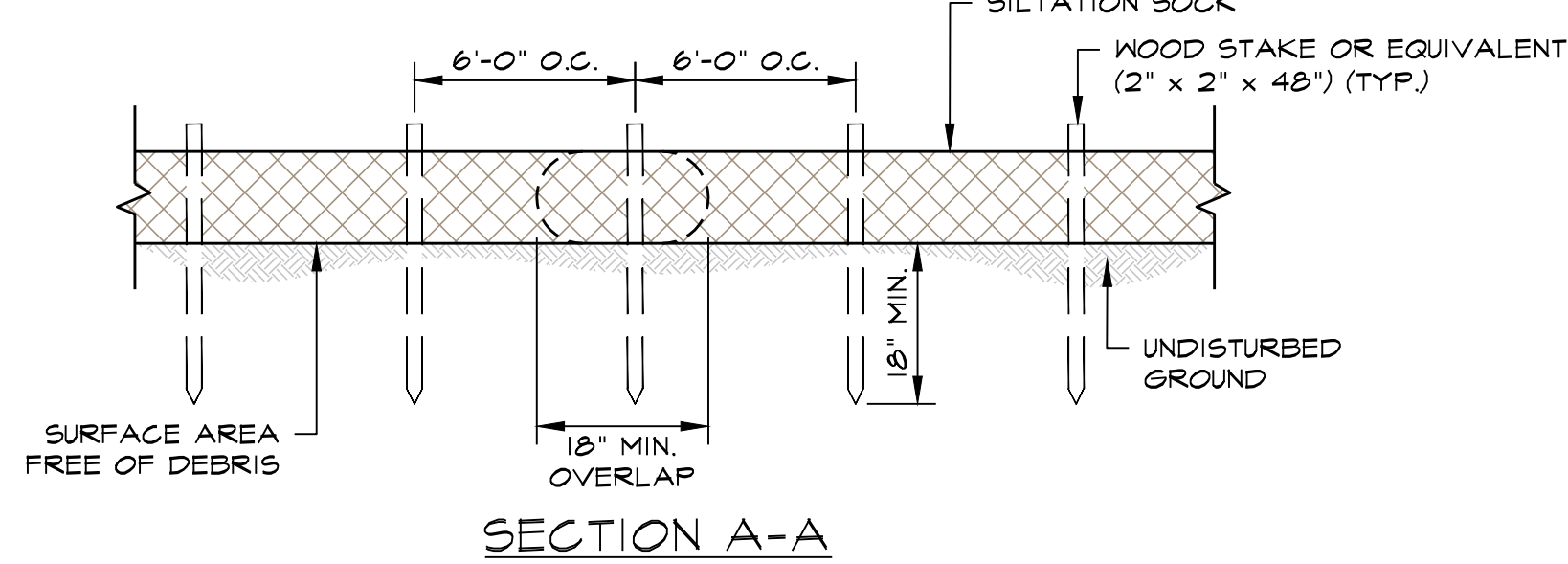
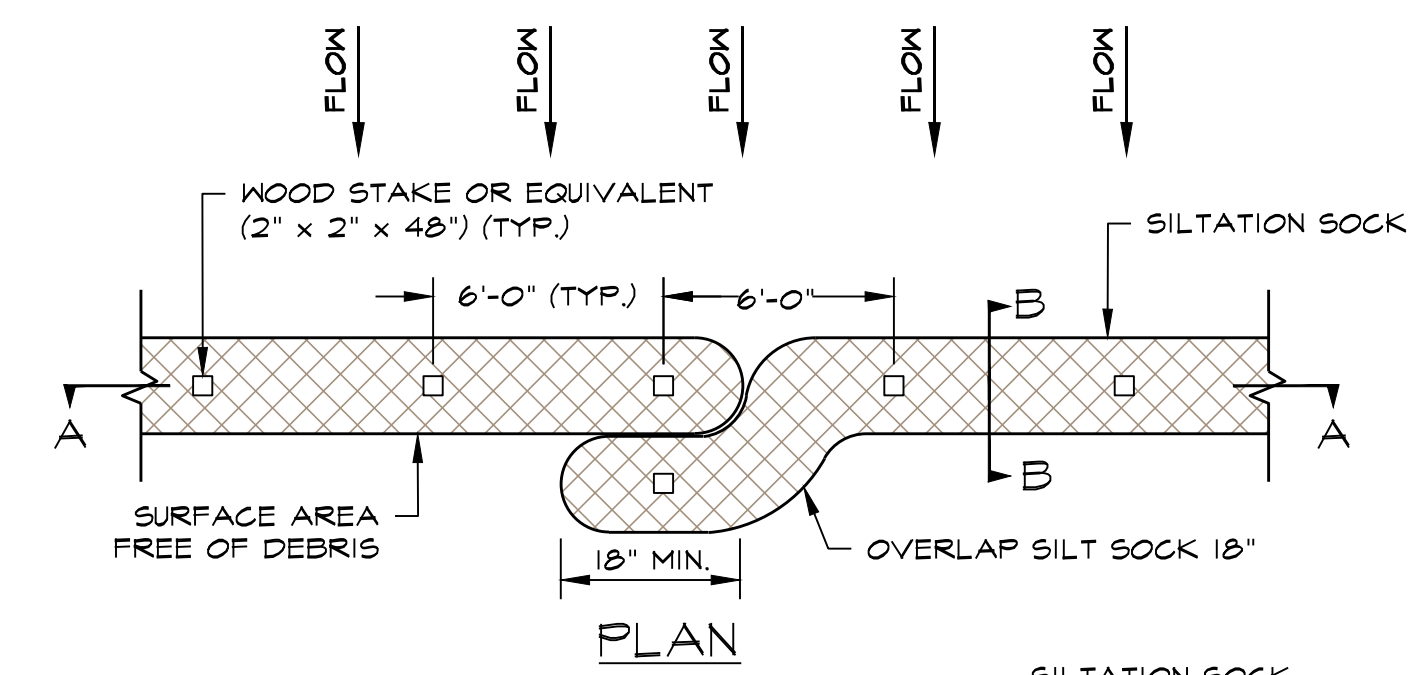
Thed D Berry

drawing name

EROSION CONTROL DETAILS

drawing number

C4

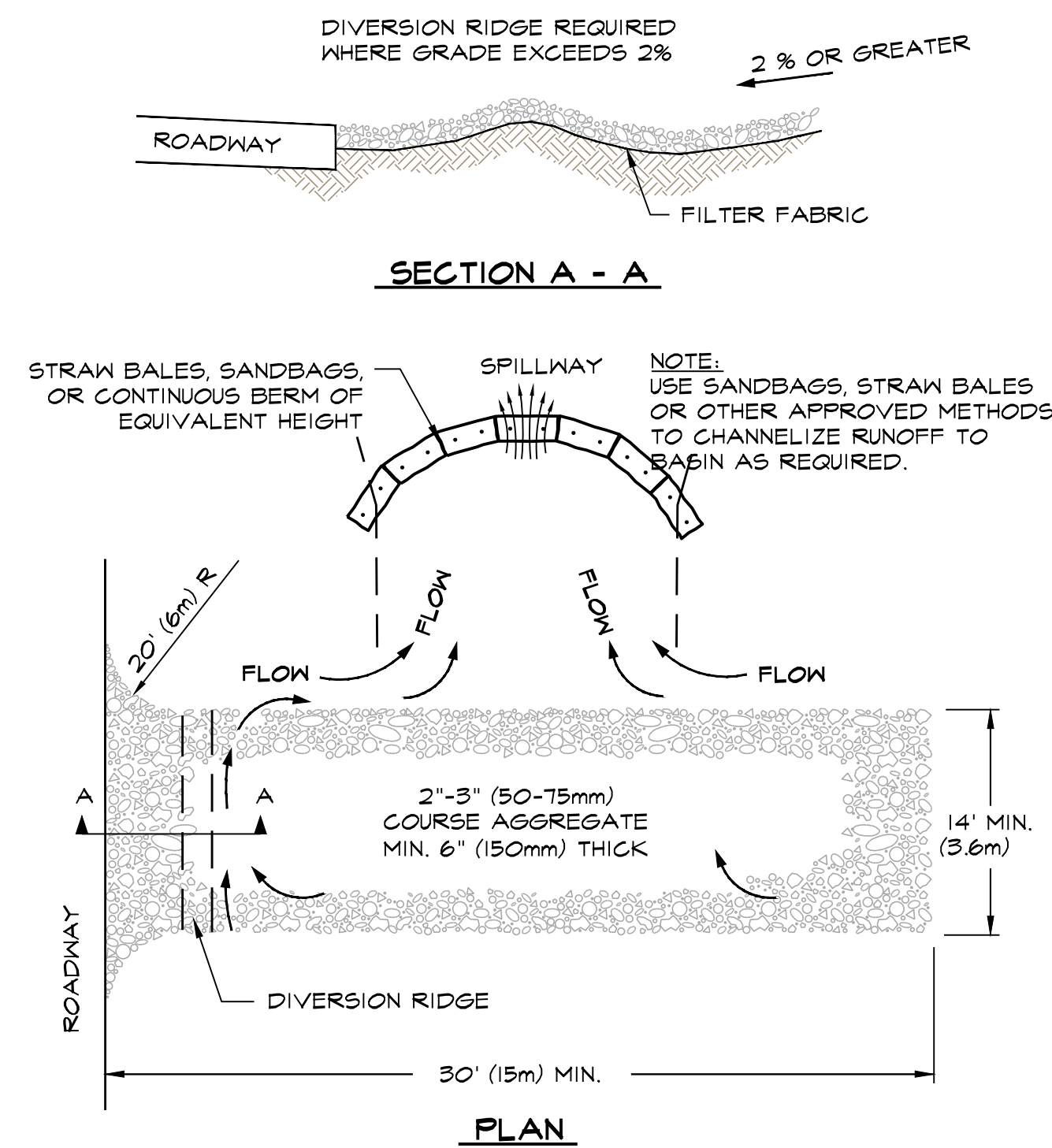


SECTION B-B
SILTATION SOCK DETAIL
NOT TO SCALE

TABLE #1			
SLOPE	SOCK DIAMETER (MIN.)	STAKING	2" COMPOST BARRIER (WOOD CHIPS)
< 50:1	9"	6' O.C.	---
50:1 TO 10:1	9"	6' O.C.	---
10:1 TO 5:1	12"	6' O.C.	---
5:1 TO 2:1	12"	4' O.C.	---
> 2:1	18"	4' O.C.	RECOMMENDED

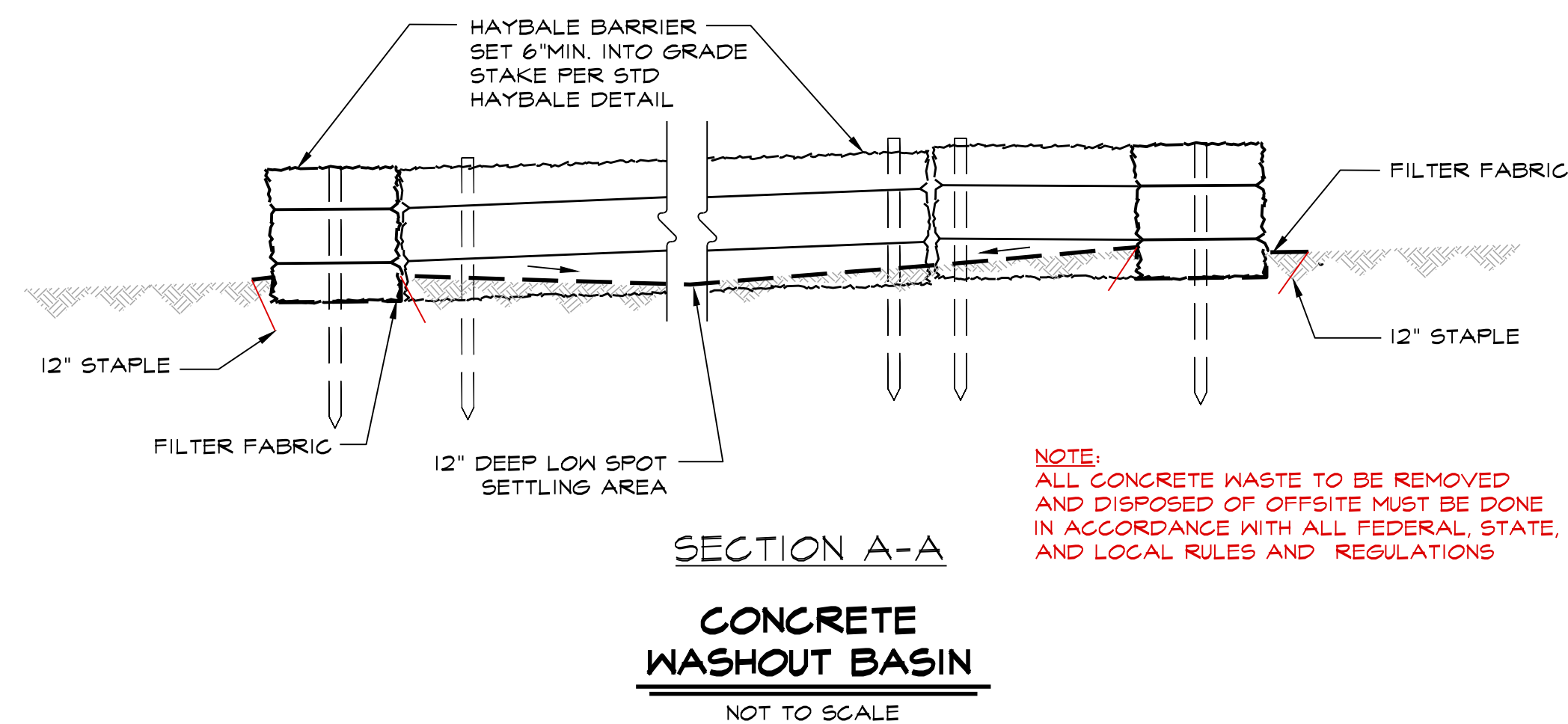
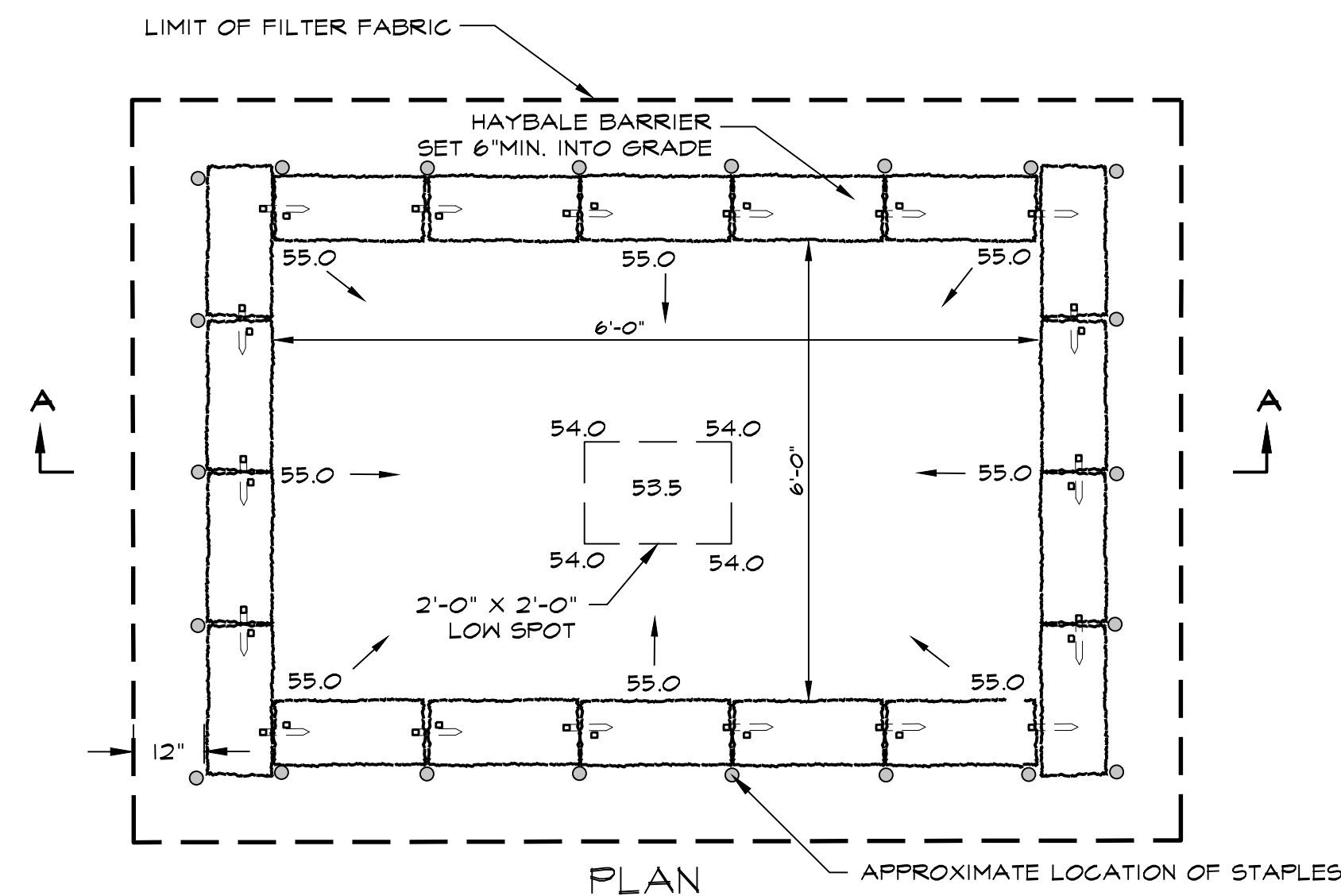
INSTALLATION NOTES:

- INSTALL SILT SOCK ON A SURFACE CLEAR OF DEBRIS.
- OVERLAP ENDS BY A MINIMUM OF 18-INCHES.
- END OF SILT SOCK TO BE DIRECTED UP SLOPE.
- PLACE STAKES THROUGH SILT SOCK OR ON DOWNSTREAM SIDE.
- ON SLOPES GREATER THAN 2:1 (2:1) SEED COMPOST SOCK IS RECOMMENDED.

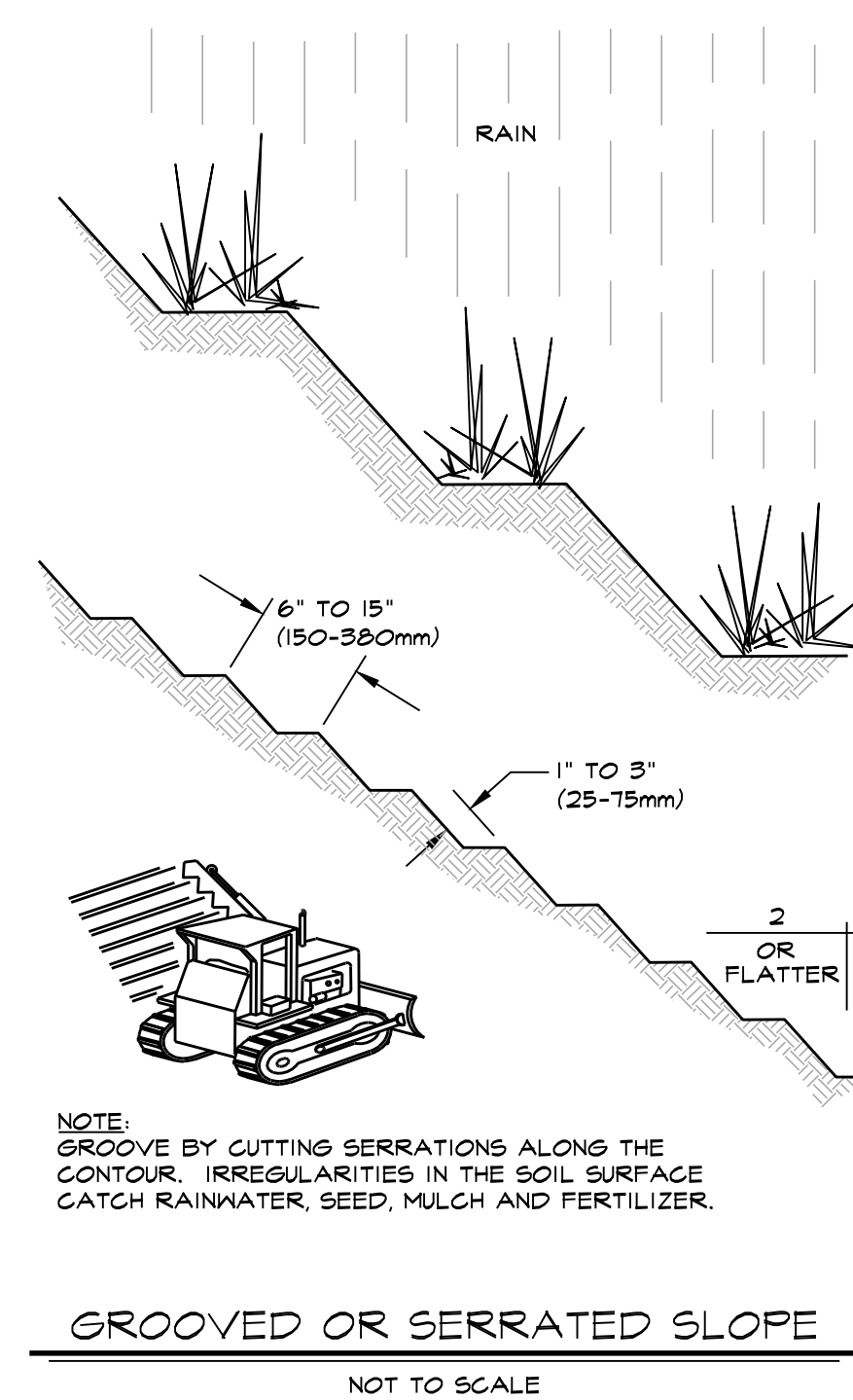


NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. ADJACENT STREETS SHALL BE SWEEP AS REQUIRED BY OMI (SHEET 10 OF 12).

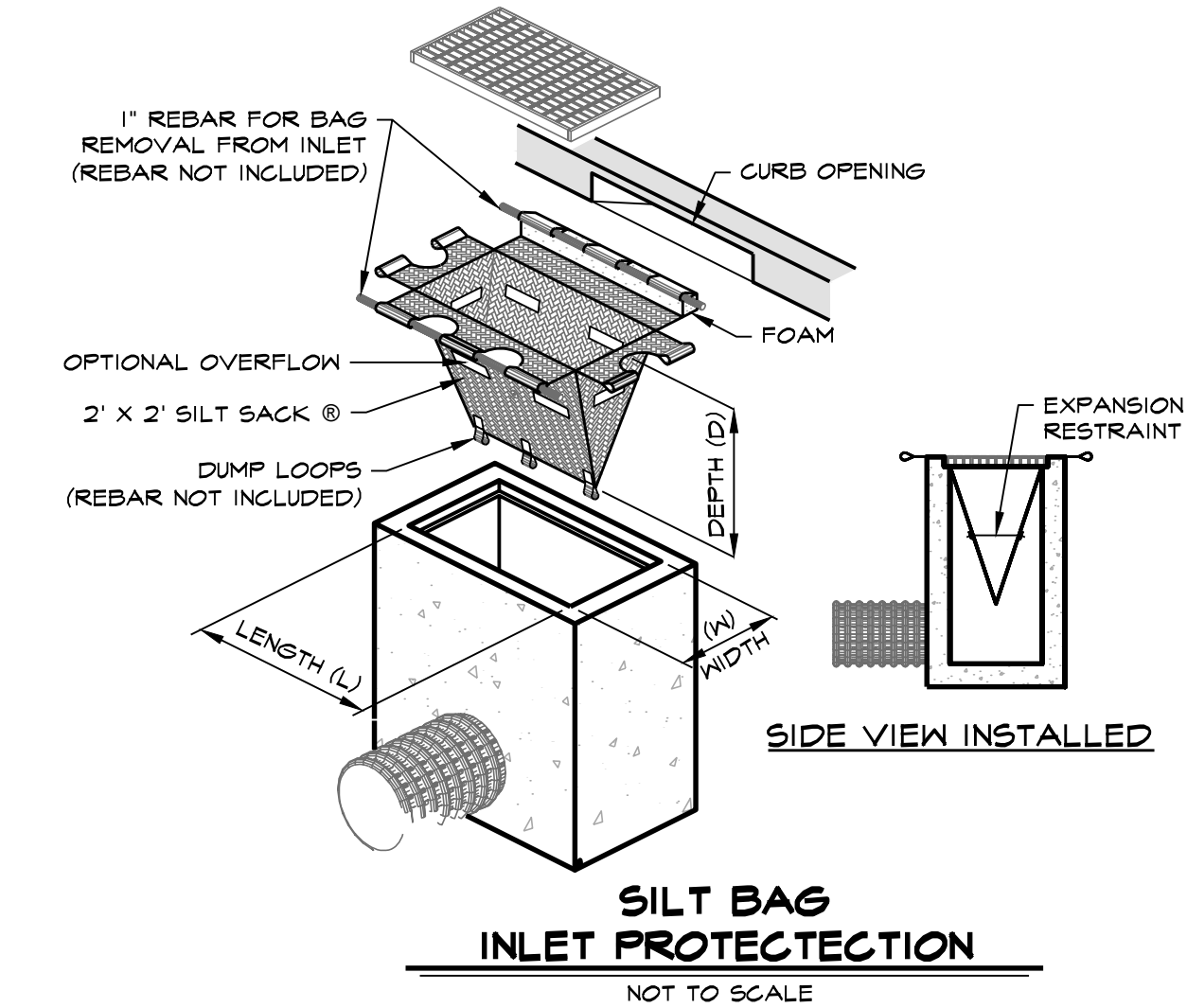
**TEMPORARY
CONSTRUCTION ENTRANCE**
NOT TO SCALE



SECTION A-A
**CONCRETE
WASHOUT BASIN**
NOT TO SCALE



GROOVED OR SERRATED SLOPE
NOT TO SCALE



EROSION CONTROL NOTES

EROSION CONTROL PRINCIPLES

- A. THE FOLLOWING EROSION CONTROL PRINCIPLES SHALL APPLY TO THE LAND GRADING AND CONSTRUCTION PHASES:
- STRIPPING OF VEGETATION, GRADING, OR OTHER SOIL DISTURBANCE SHALL BE DONE IN A MANNER WHICH WILL MINIMIZE SOIL EROSION.
 - WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
 - EXTENT OF AREA WHICH IS EXPOSED AND FREE OF VEGETATION AND DURATION OF ITS EXPOSURE SHALL BE KEPT WITHIN PRACTICAL LIMITS.
 - TEMPORARY SEEDING, MULCHING, OR OTHER SUITABLE STABILIZATION MEASURES SHALL BE USED TO PROTECT EXPOSED CRITICAL AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE.
 - DRAINAGE PROVISIONS SHALL ACCOMMODATE INCREASED RUNOFF RESULTING FROM MODIFICATIONS OF SOIL AND SURFACE CONDITIONS DURING AND AFTER DEVELOPMENT OR DISTURBANCE. SUCH PROVISIONS SHALL BE IN ADDITION TO EXISTING REQUIREMENTS.
 - SEDIMENT SHALL BE RETAINED ON-SITE.
 - EROSION CONTROL DEVICES SHALL BE INSTALLED AS EARLY AS POSSIBLE IN THE CONSTRUCTION SEQUENCE PRIOR TO START OF CLEARING AND GRUBBING OPERATIONS AND EXCAVATION WORK.
- B. CUT AND FILL SLOPES AND STOCKPILED MATERIALS SHALL BE PROTECTED TO PREVENT EROSION. SLOPES SHALL BE PROTECTED WITH PERMANENT EROSION PROTECTION WHEN EROSION EXPOSURE PERIOD IS GREATER THAN OR EQUAL TO SIX MONTHS, AND TEMPORARY EROSION PROTECTION WHEN EROSION EXPOSURE PERIOD IS EXPECTED TO BE LESS THAN SIX MONTHS (SEE NOTE 1B).
- PERMANENT EROSION PROTECTION SHALL BE ACCOMPLISHED BY SEEDING WITH GRASS AND COVERING WITH AN EROSION PROTECTION MATERIAL, AS APPROPRIATE FOR PREVAILING CONDITIONS.
 - EXCEPT WHERE SPECIFIED SLOPE IS INDICATED ON DRAWINGS, FILL SLOPES SHALL BE LIMITED TO A GRADE OF 3:1 (HORIZONTAL:VERTICAL) AND CUT SLOPES SHALL BE LIMITED TO A GRADE OF 3:1.

HAY BALES DIKE

BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4-INCHES. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBAR DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.

MAINTENANCE AND REMOVAL OF CONTROL DEVICES

- A. WETLAND AREAS, WATER COURSES, AND DRAINAGE SWALES ADJACENT TO CONSTRUCTION ACTIVITIES SHALL BE MONITORED TWICE EACH MONTH FOR EVIDENCE OF SILT INTRUSION AND OTHER ADVERSE ENVIRONMENTAL IMPACTS, WHICH SHALL BE CORRECTED IMMEDIATELY UPON DISCOVERY.
- B. CULVERTS AND DRAINAGE DITCHES SHALL BE KEPT CLEAN AND CLEAR OF OBSTRUCTIONS DURING CONSTRUCTION PERIOD.
- C. EROSION CONTROL DEVICES:
- SEDIMENT BEHIND THE EROSION CONTROL DEVICE SHALL BE CHECKED TWICE EACH MONTH AND AFTER EACH HEAVY RAIN. SILT SHALL BE REMOVED IF GREATER THAN 6-INCHES DEEP.
 - CONDITION OF EROSION CONTROL DEVICE SHALL BE CHECKED TWICE EACH MONTH OR MORE FREQUENTLY AS REQUIRED. DAMAGED AND/OR DETERIORATED ITEMS SHALL BE REPLACED. EROSION CONTROL DEVICES SHALL BE MAINTAINED IN-PLACE AND IN EFFECTIVE CONDITION.
 - HAY BALES SHALL BE INSPECTED FREQUENTLY AND MAINTAINED OR REPLACED AS REQUIRED TO MAINTAIN BOTH EFFECTIVENESS AND INSTALLED CONDITION. UNDERSIDE OF BALES SHALL BE KEPT IN CLOSE CONTACT WITH THE EARTH BELOW AT ALL TIMES, AS REQUIRED TO PREVENT WATER FROM WASHING BENEATH BALES.
 - SEDIMENT SHALL BE REMOVED FROM THE RETENTION PONDS AT THE COMPLETION OF THE PROJECT AND PERIODICALLY DURING CONSTRUCTION. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 6 INCHES, OR AS DIRECTED.
 - SEDIMENT DEPOSITS SHALL BE DISPOSED OF OFF-SITE, IN A LOCATION AND MANNER WHICH WILL NOT CAUSE SEDIMENT NUISANCE ELSEWHERE.
- D. REMOVAL OF EROSION CONTROL DEVICES:
- EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL ALL DISTURBED EARTH HAS BEEN PAVED OR VEGETATED, AT WHICH TIME THEY SHALL BE REMOVED. AFTER REMOVAL, AREAS DISTURBED BY THESE DEVICES SHALL BE RE-GRADED AND SEEDED.
 - EROSION CONTROL NETTING SHALL BE KEPT SECURELY ANCHORED UNTIL START OF PERMANENT TURF CONSTRUCTION.
 - EROSION PROTECTION MATERIAL SHALL BE KEPT SECURELY ANCHORED UNTIL ACCEPTANCE OF COMPLETED SLOPE OR ENTIRE PROJECT, WHICHEVER IS LATER.