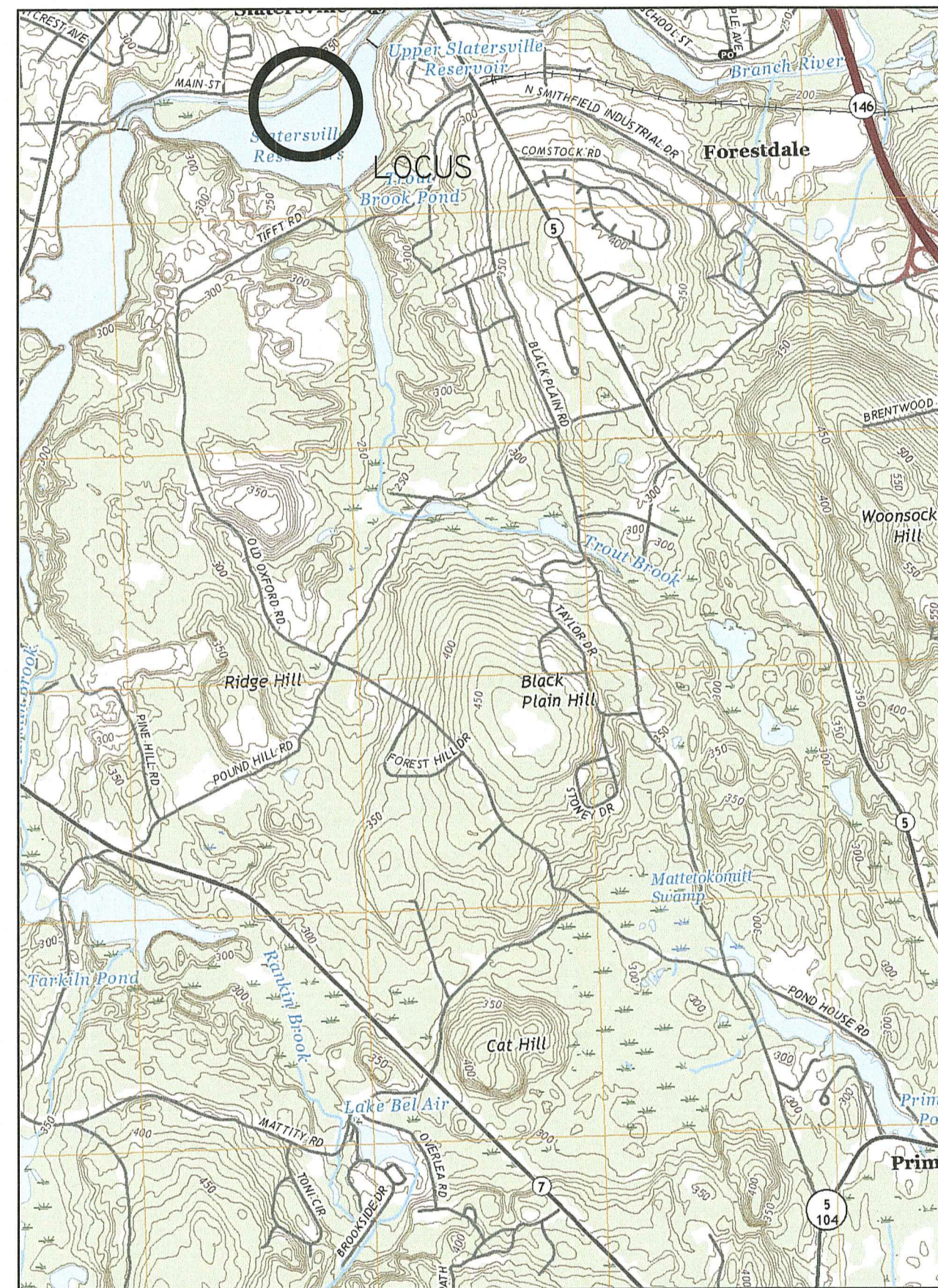


Site Plan of "Slater Court" in North Smithfield, Rhode Island 02896

DATE: June 14, 2022

INDEX OF DRAWINGS

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS
3	LAYOUT PLAN
4	GRADING AND UTILITY PLAN
5	SOIL EROSION AND SEDIMENT CONTROL PLAN
6	DETAIL AND SOIL LOGS PLAN
7	DETAIL PLAN 2
8	DETAIL PLAN 3



LOCATION MAP
SCALE 1"= 2000'

GENERAL NOTES:

- LOT SHOWN IS DESIGNATED AS LOT 270 ON NORTH SMITHFIELD ASSESSORS MAP 4
OWNER OF RECORD: -
BB&G, LLC
176 EDDIE DOWLING HIGHWAY
NORTH SMITHFIELD, RI 02896
BOOK 19 PAGE 117
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- WETLAND FLAGGING BY NATURAL RESOURCE SERVICES, INC. ON OCTOBER 23, 2020
- LOT TO BE SERVICED BY PUBLIC WATER AND SEWER

PLAN REFERENCES

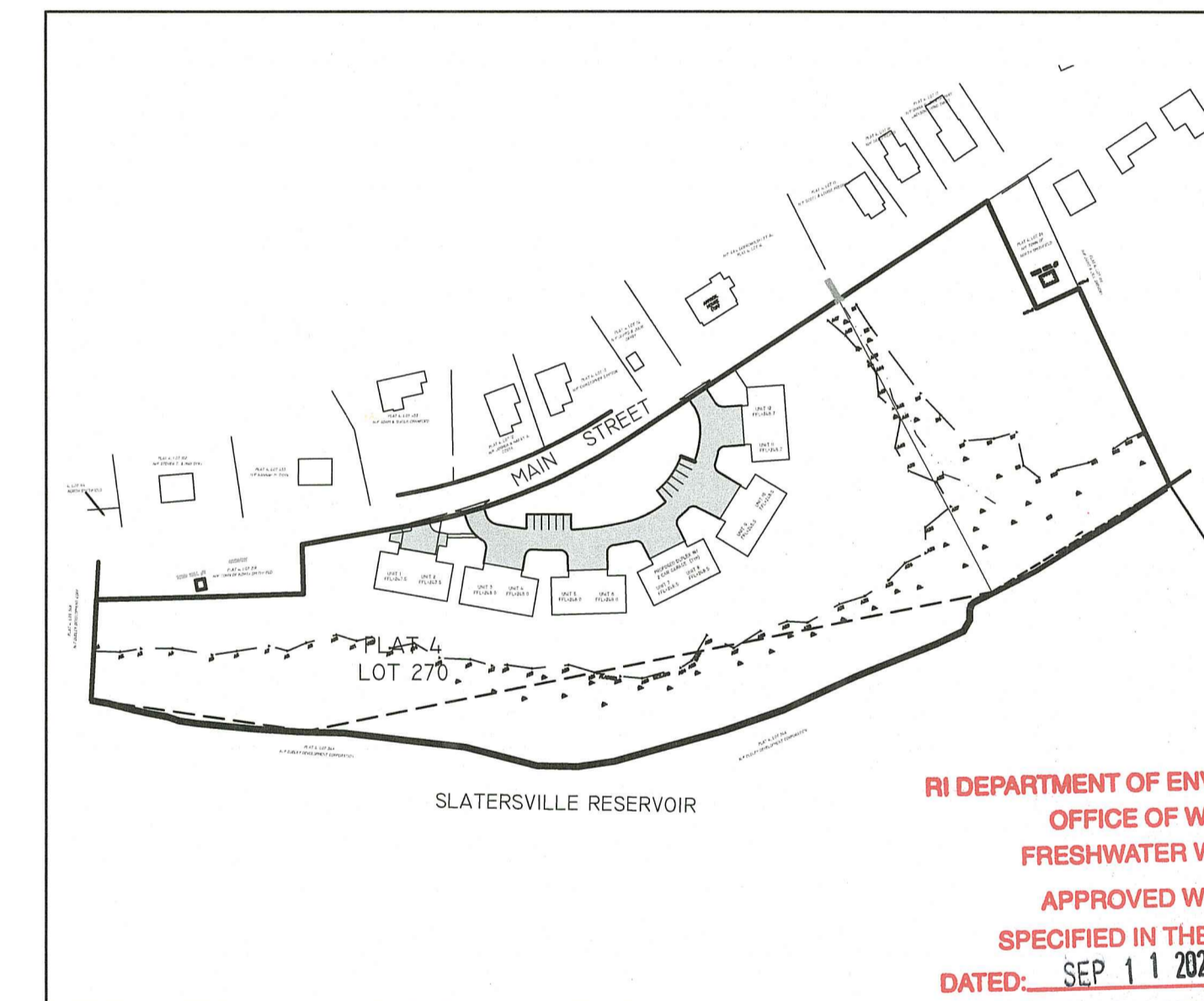
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DIMENSIONAL ZONING REQUIREMENTS:

- 5.1 RU-20 ZONING DISTRICT**
- MINIMUM AREA = 20,000 S.F.
 - MINIMUM FRONTAGE = 100'
 - MINIMUM FRONT YARD SETBACK = 25'
 - MINIMUM SIDE YARD SETBACK = 20'
 - MINIMUM REAR YARD SETBACK = 40'
 - BUILDING COVERAGE = 20%
 - MAX BUILDING HEIGHT = 30'
- MULTIFAMILY**
- 12- 2 BEDROOM UNITS
 - DENSITY = 6,000 S.F. + 4,000 S.F./BEDROOM = 102,000 S.F.
 - TOTAL SUITABLE LAND AREA = 126,848 S.F.
- 6.15 OFF STREET PARKING**
- REQUIRED: MULTIFAMILY = 1.5 SPACES PER UNIT: TOTAL REQUIRED = 18 SPACES
 - PROVIDED: 12-DOUBLE GARAGE = 24 SPACES
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SITE MAP
SCALE 1"= 200'

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 11 2023 FILE # 22-0235
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

Handwritten signature
**RI Environmental Management
Office of Water Resources
AUG 10 2023**

REVISION	DATE	COMMENTS
01	8-07-2023	FIRE DEPT, RIDEM

NORTH SMITHFIELD PLANNING BOARD

PROFESSIONAL ENGINEER

PROFESSIONAL LAND SURVEYOR

COVER SHEET

PAUL D. CARLSON
No. 7142
REGISTERED PROFESSIONAL ENGINEER
CIVIL
PROFESSIONAL SEAL

"SLATER COURT"
NORTH SMITHFIELD, RHODE ISLAND 02896
ASSESSORS PLAT 4 LOT 270

APPLICANT: **BB&G LLC**
176 EDDIE DOWLING HIGHWAY NORTH SMITHFIELD, RI 02896

JOB # 21-064	SCALE N.T.S.	DRAWN BY: SES	DATE: JUNE 14, 2022
-----------------	-----------------	------------------	------------------------

REVISED: AUGUST 07, 2023

SHEET 1 OF 8

InSite Professional Complex, Suite 1
1539 Fall River Avenue Seekonk, MA 02771
Phone: (508) 336-4500 Fax: (508) 336-4558
Web Address: InSiteEngineers.com

INSITE Engineering Services, LLC
PROFESSIONAL ENGINEERS | LAND SURVEYORS
Precision. Clarity. Certainty.

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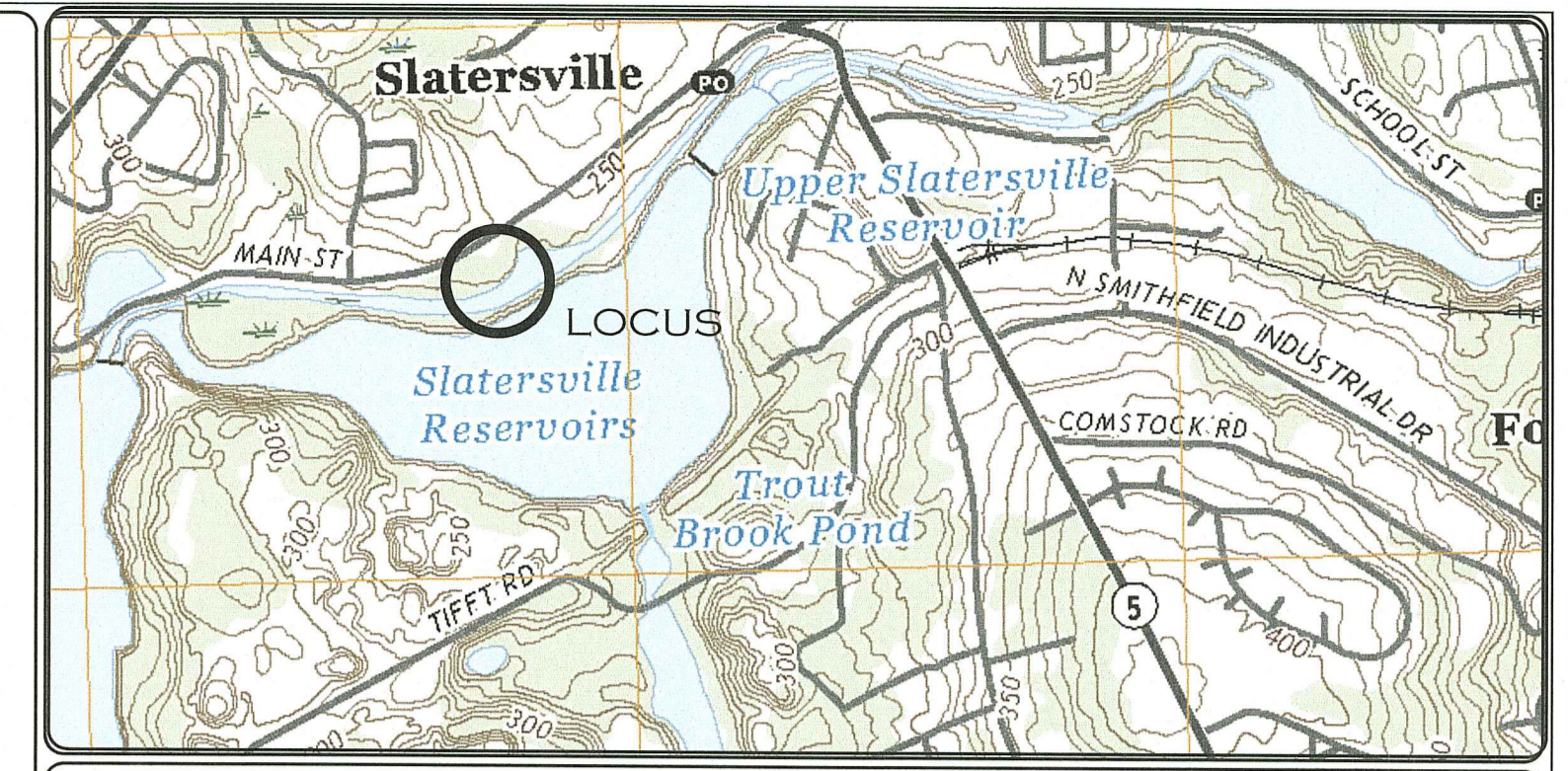
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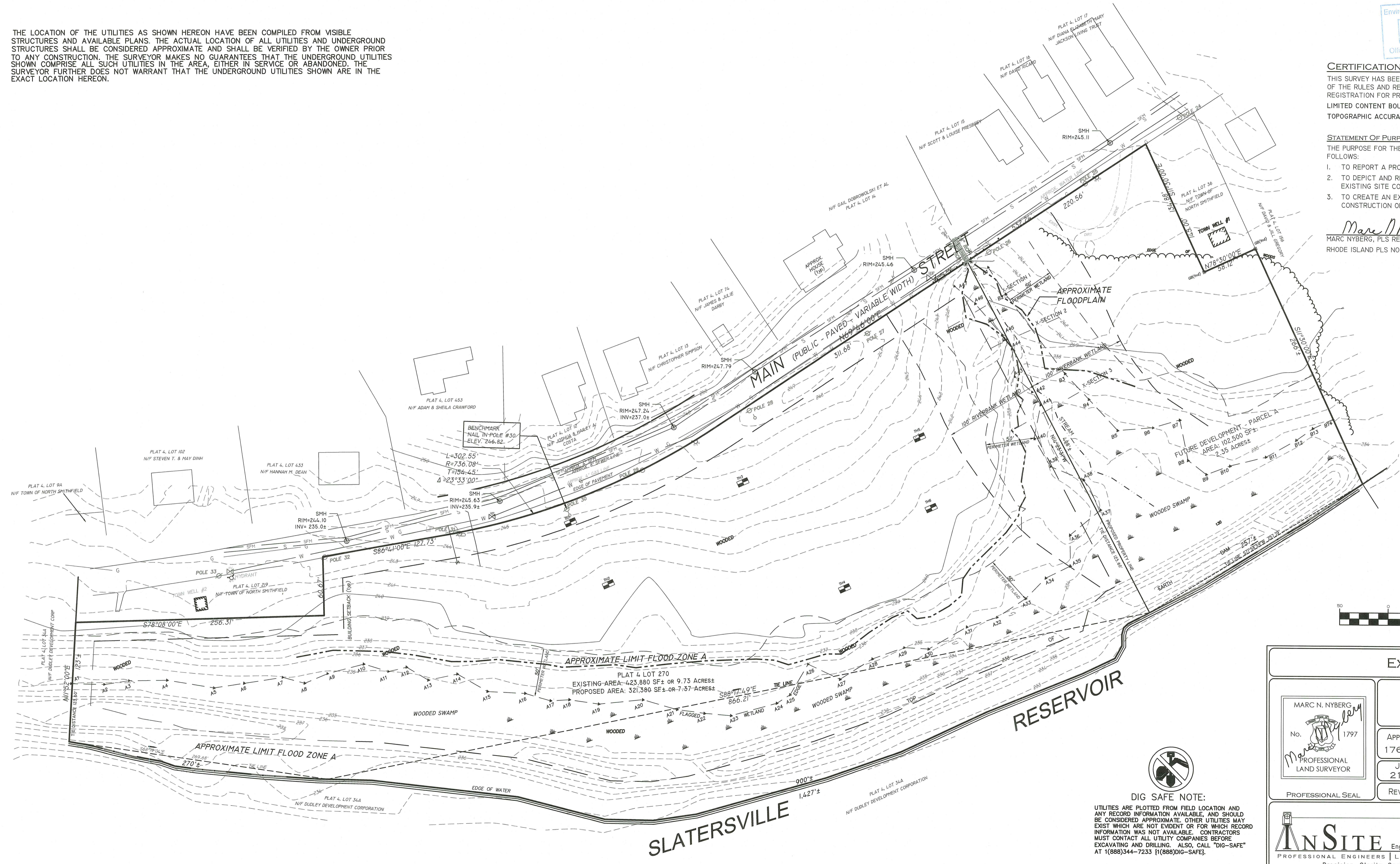
S.1 RU-20 ZONING DISTRICT	
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MINIMUM FRONTAGE	= 100'
MINIMUM FRONT YARD SETBACK	= 25'
MINIMUM SIDE YARD SETBACK	= 20'
MINIMUM REAR YARD SETBACK	= 40'
BUILDING COVERAGE	= 20%
MAX BUILDING HEIGHT	= 30'

DUPLIX- TWO-FAMILY DWELLING	
MINIMUM AREA	= 30,000 S.F.
MINIMUM FRONTAGE	= 120'
MINIMUM FRONT YARD SETBACK	= 25'
MINIMUM SIDE YARD SETBACK	= 20'
MINIMUM REAR YARD SETBACK	= 40'



LOCATION (NOT TO SCALE) MAP

THE LOCATION OF THE UTILITIES AS SHOWN HEREON HAVE BEEN COMPILED FROM VISIBLE STRUCTURES AND AVAILABLE PLANS. THE ACTUAL LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES SHALL BE CONSIDERED APPROXIMATE AND SHALL BE VERIFIED BY THE OWNER PRIOR TO ANY CONSTRUCTION. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION HEREON.

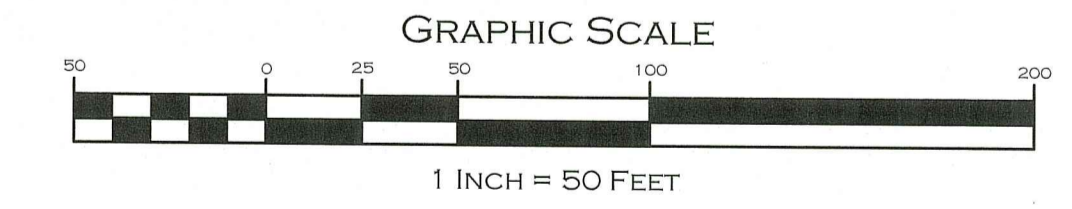


CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015 AS FOLLOWS:
LIMITED CONTENT BOUNDARY SURVEY: CLASS I
TOPOGRAPHIC ACCURACY: T-4

STATEMENT OF PURPOSE:
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR PREPARATION OF THE PLAT IS AS FOLLOWS:
1. TO REPORT A PROFESSIONAL OPINION REGARDING THE LOCATION OF PROPERTY BOUNDARIES.
2. TO DEPICT AND REPORT THE RELATIVE POSITIONS OF EXISTING PHYSICAL OBJECTS AND EXISTING SITE CONDITIONS.
3. TO CREATE AN EXISTING CONDITIONS BASE PLAN FOR CONTEMPLATION OF DESIGNED CONSTRUCTION OR OTHER IMPROVEMENTS TO THE SITE.

Marc Nyberg
MARC NYBERG, PLS REGISTERED PROFESSIONAL LAND SURVEYOR / DATE 11-17-2021
RHODE ISLAND PLS NO: 1797 RHODE ISLAND C.O.A. NO: A52

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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EXISTING CONDITIONS	
"SLATER COURT" NORTH SMITHFIELD, RHODE ISLAND 02896 ASSESSORS PLAT 4 LOT 270	
APPLICANT: BB&G, LLC. 176 EDDIE DOWLING HIGHWAY NORTH SMITHFIELD, RI 02896	
JOB # 21-064	SCALE: 1" = 50'
DRAWN BY: SES	DATE: JUNE 14, 2022
REVISED: AUGUST 07, 2023	
InSite Professional Complex, Suite 1 1539 Fall River Avenue Seekonk, MA 02771 Phone: (508) 336-4500 Fax: (508) 336-4558 Web Address: InSiteEngineers.com	
SHEET 2 OF 8	



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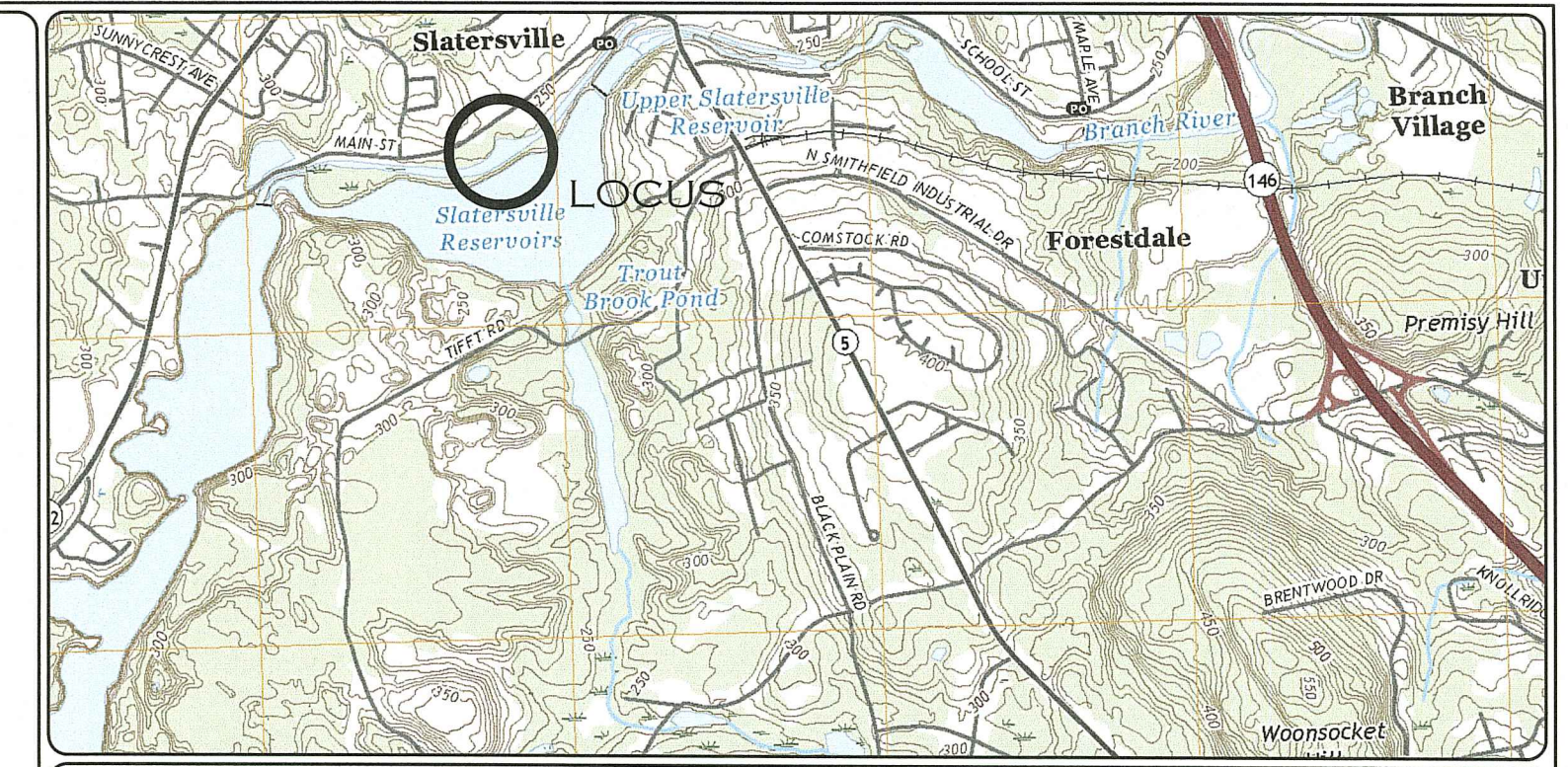
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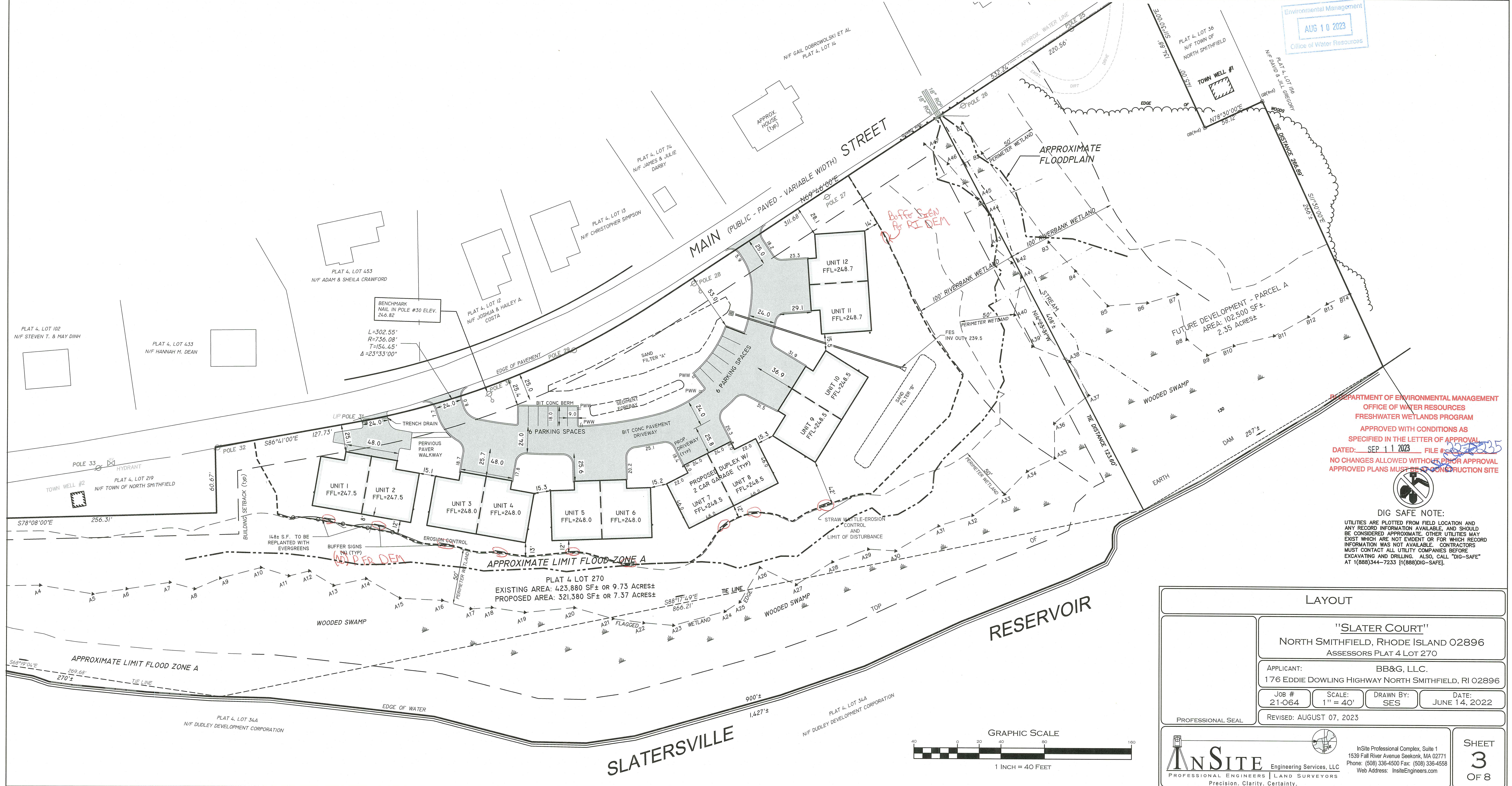
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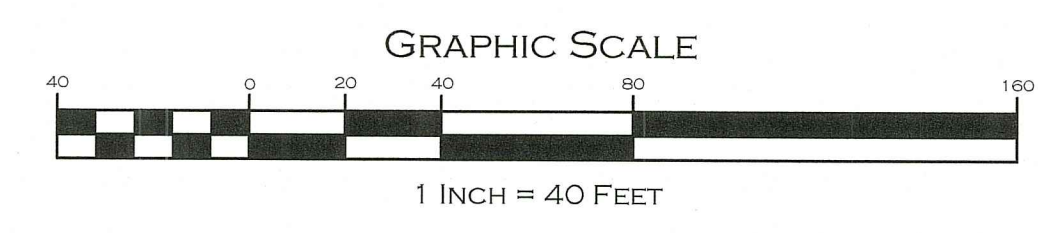


Environmental Management
AUG 10 2023
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
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LAYOUT			
"SLATER COURT" NORTH SMITHFIELD, RHODE ISLAND 02896 ASSESSORS PLAT 4 LOT 270			
APPLICANT:	BB&G, LLC. 176 EDDIE DOWLING HIGHWAY NORTH SMITHFIELD, RI 02896		
JOB #	SCALE:	DRAWN BY:	DATE:
21-064	1" = 40'	SES	JUNE 14, 2022
REVISED: AUGUST 07, 2023			



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SHEET 3 OF 8

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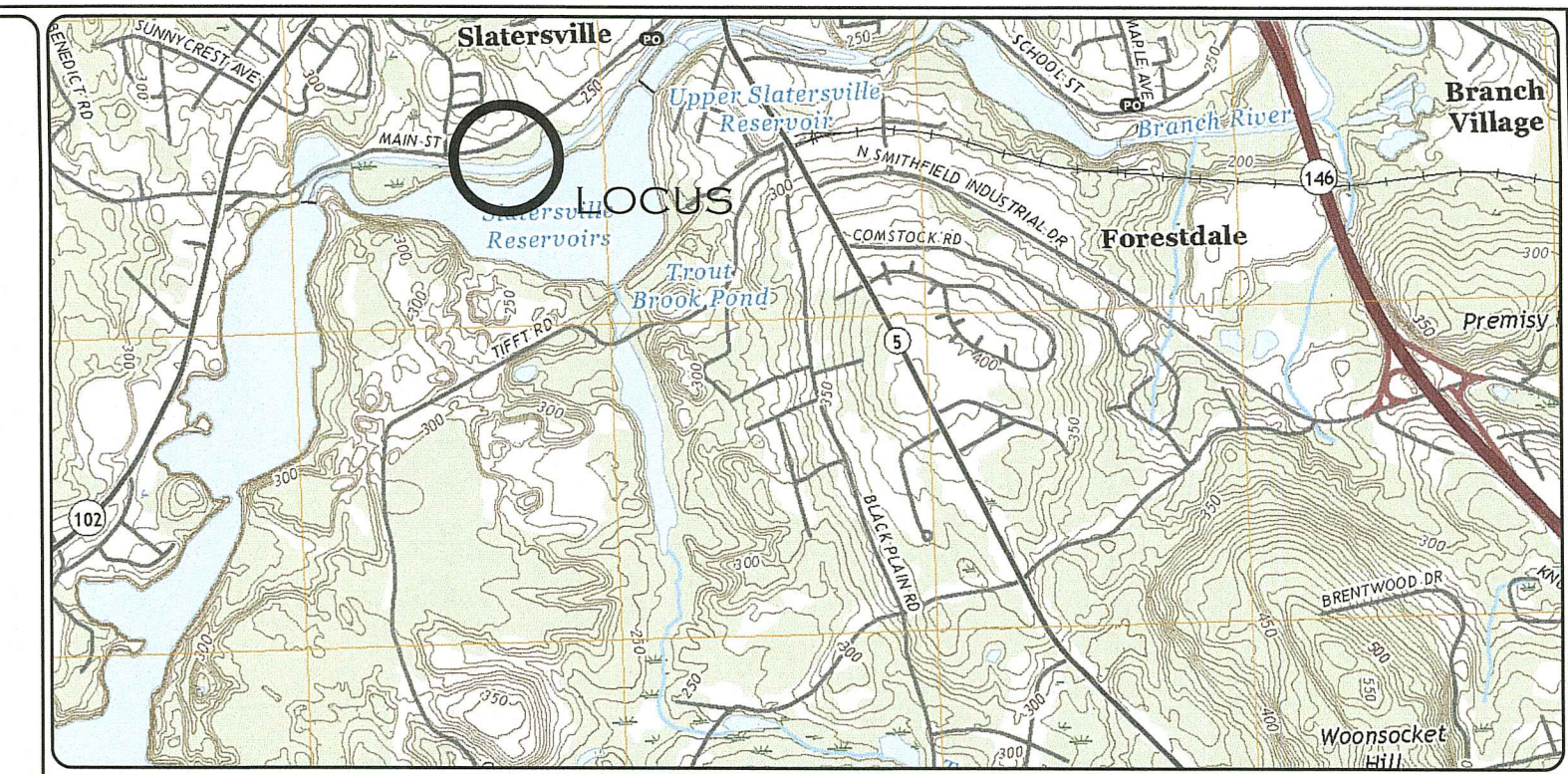
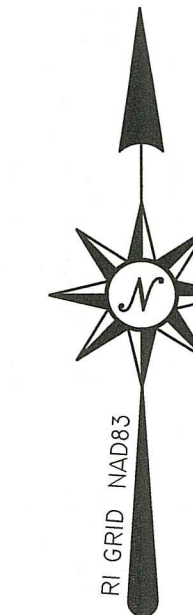
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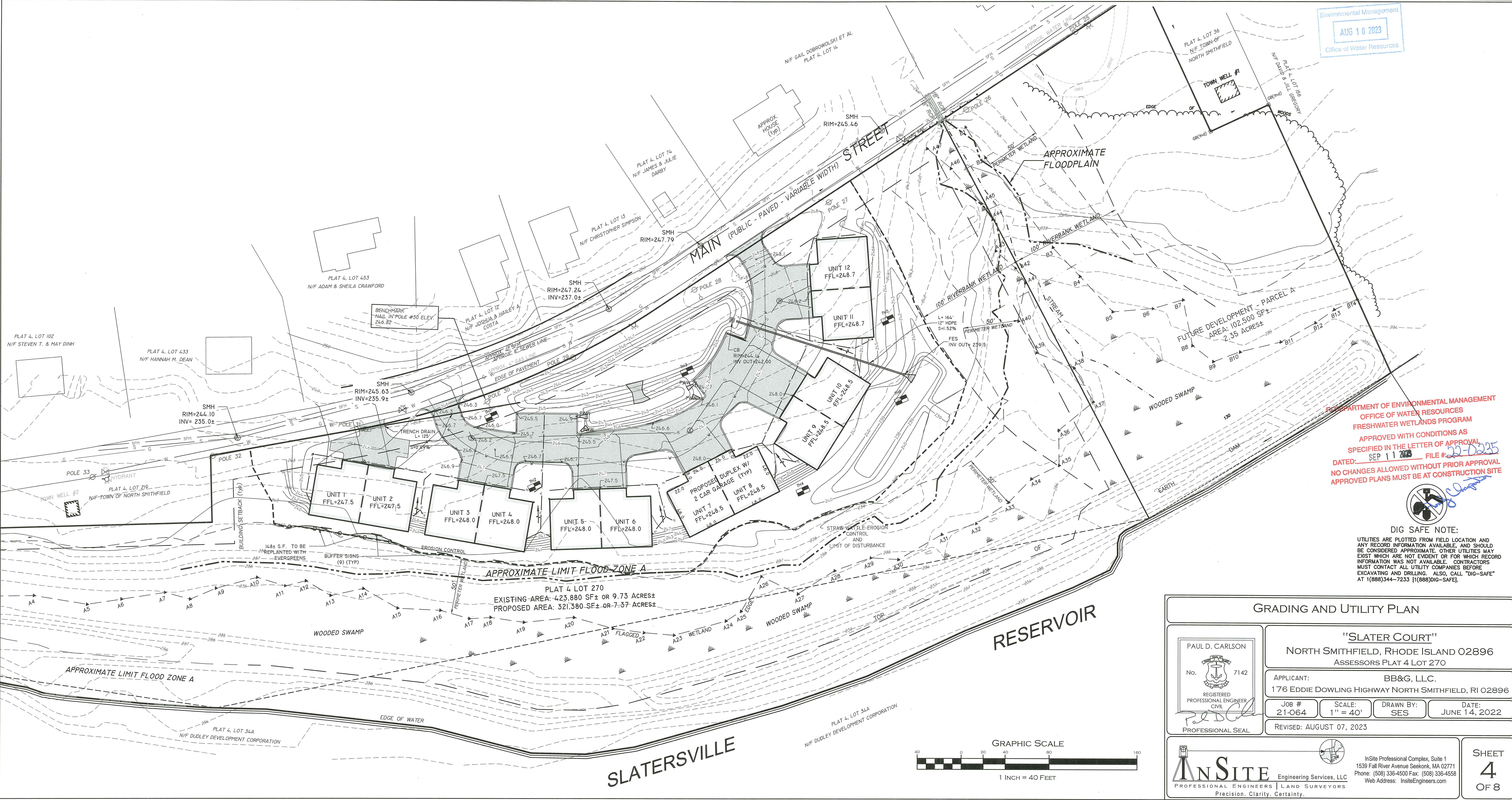
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Environmental Management
 AUG 10 2023
 Office of Water Resources



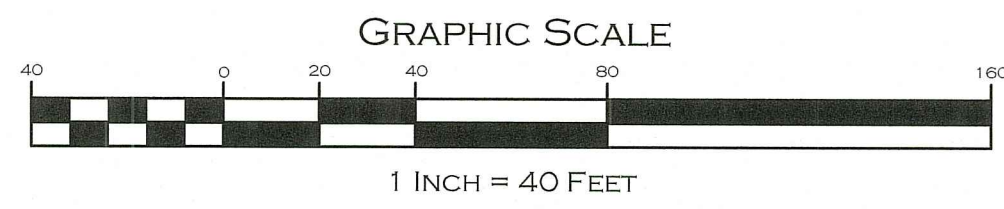
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GRADING AND UTILITY PLAN

PAUL D. CARLSON No. 7142 REGISTERED PROFESSIONAL ENGINEER CIVIL 	"SLATER COURT" NORTH SMITHFIELD, RHODE ISLAND 02896 ASSESSORS PLAT 4 LOT 270	
	APPLICANT: BB&G, LLC. 176 EDDIE DOWLING HIGHWAY NORTH SMITHFIELD, RI 02896	JOB # 21-064 SCALE: 1" = 40' DRAWN BY: SES DATE: JUNE 14, 2022 REVISED: AUGUST 07, 2023



 InSite Engineering Services, LLC PROFESSIONAL ENGINEERS LAND SURVEYORS Precision. Clarity. Certainty.	InSite Professional Complex, Suite 1 1539 Fall River Avenue Seekonk, MA 02771 Phone: (508) 336-4500 Fax: (508) 336-4558 Web Address: InSiteEngineers.com	SHEET 4 OF 8
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CONSTRUCTION PROCEDURES AND SEQUENCING

- THE ENGINEER SHALL HAVE THE SOLE RESPONSIBILITY FOR THE DESIGN IMPLEMENTATION. HE SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS AND SUBCONTRACTORS ARE AWARE OF THE PROVISIONS ON THE PLANS.
- THE CONTRACTOR SHALL ORGANIZE SITE CONSTRUCTION IN A MANNER WHICH WILL ENSURE THE IMMEDIATE STABILIZATION OF SURFACES. PERIMETER CONTROLS EQUAL APPROVED PROJECT LIMITS.
- PRIOR TO ANY CONSTRUCTION ON SITE, THE CONTRACTOR SHALL SETUP PRE-CONSTRUCTION MEETING WITH OWNER, ENGINEER, TOWN PLANNING AND DPW PERSONAL.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, A LINE STRAW WATTLES, WILL BE PLACED AT ALL CONSTRUCTION TOE OF SLOPES IN THE AREA OF ROADWAY, PONDS, LANDSCAPED AREAS, AND ALONG PERIMETER OF PROJECT LIMIT OF DISTURBANCE WHERE INDICATED ON PROJECT PLANS.
- RESERVE EROSION CONTROL DEVICES SHALL BE STOCKPILED ON SITE IN THE EVENT OF EMERGENCIES. AND SHALL BE LOCATED 50' FROM REGULATED WETLAND RESOURCE AREAS.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS FOR THE PROPER STORAGE AND/OR REMOVAL OF DEBRIS ON SITE TO AVOID UNNECESSARY ACCUMULATION ON SITE.
- DRAINAGE STRUCTURES SHALL BE CONSTRUCTED FROM DOWNSTREAM UP AND CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF STONE AT THE FLARED PIPE ENDS AND OUTLET STRUCTURE

INLETS AND OUTLETS AS SHOWN ON PROJECT PLANS.

- IN STREAM CONTROLS SUCH AS HAY BALE CHECK DAMS SHALL BE ESTABLISHED PRIOR TO CONSTRUCTION IF NEEDED.

INFILTRATION SURFACE PROTECTION

TO PROTECT THE INFILTRATION SURFACES (BENEATH AND ADJACENT TO THE RECHARGE SYSTEMS) FROM DEGRADATION BY CONSTRUCTION ACTIVITIES :

- PROVIDE DEEP ROTO-TILLING OF VAIN FLOOR IMMEDIATELY PRIOR TO SEEDING WITH NO SUBSEQUENT TRAFFICKING ON SURFACE.
- PREVENT CONTAMINATION OF THE EXPOSED SUBGRADE BY CONSTRUCTION VEHICLES.
- PREVENT EXCESSIVE COMPACTION BY CONSTRUCTION VEHICLES.
- PREVENT THE DISCHARGE OF WATER FROM CONSTRUCTION DEWATERING ACTIVITIES INTO THESE FACILITIES.
- PREVENT DISCHARGE OF STORMWATER INTO THESE FACILITIES UNTIL THE CONTRIBUTING AREAS ARE STABILIZED, UNLESS SPECIFIC MEASURES ARE PROVIDED FOR PROTECTING AND RESTORING THE INFILTRATION SURFACE.

CONSTRUCTION INSPECTION

THE ENGINEER SHALL BE CALLED ON SITE DURING THE CONSTRUCTION OF THE SAND FILTER.

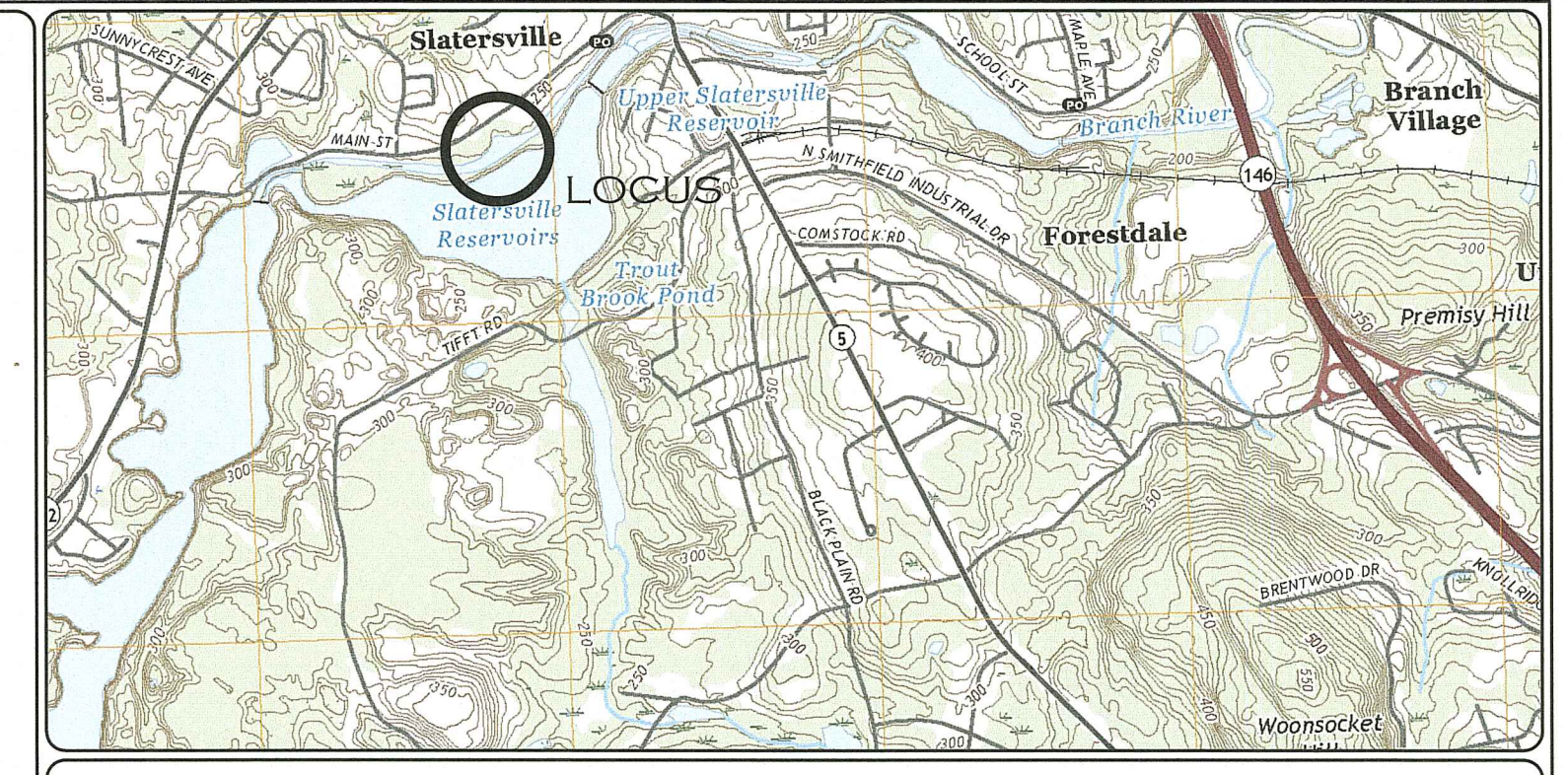
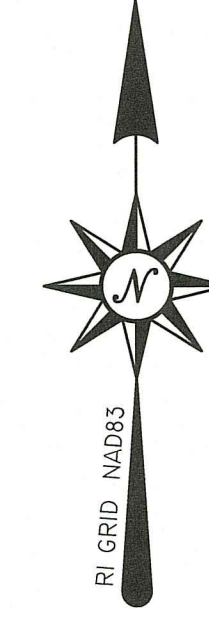
THE ENGINEER SHALL BE ON SITE DURING THE CONSTRUCTION AND LAYOUT OF ALL OUTLET STRUCTURES.

THE ENGINEER SHALL PERFORM FREQUENT INSPECTION OF THE STORMWATER SYSTEM DURING CONSTRUCTION, WITH CLEANING AND MAINTENANCE AS WARRANTED. DURING ACTIVE CONSTRUCTION PERIODS, WEEKLY INSPECTION IS REQUIRED.

IF CONSTRUCTION IS SUSPENDED (E.G., OVER THE WINTER), THEN MONTHLY INSPECTIONS ARE REQUIRED. IN ADDITION, THE SYSTEM SHOULD BE CHECKED AFTER ANY SIGNIFICANT RAINFALL, TO INSURE IT IS FUNCTIONING CORRECTLY AND TO MONITOR SEDIMENT ACCUMULATION FROM THE DISTURBED AREAS OF THE SITE.

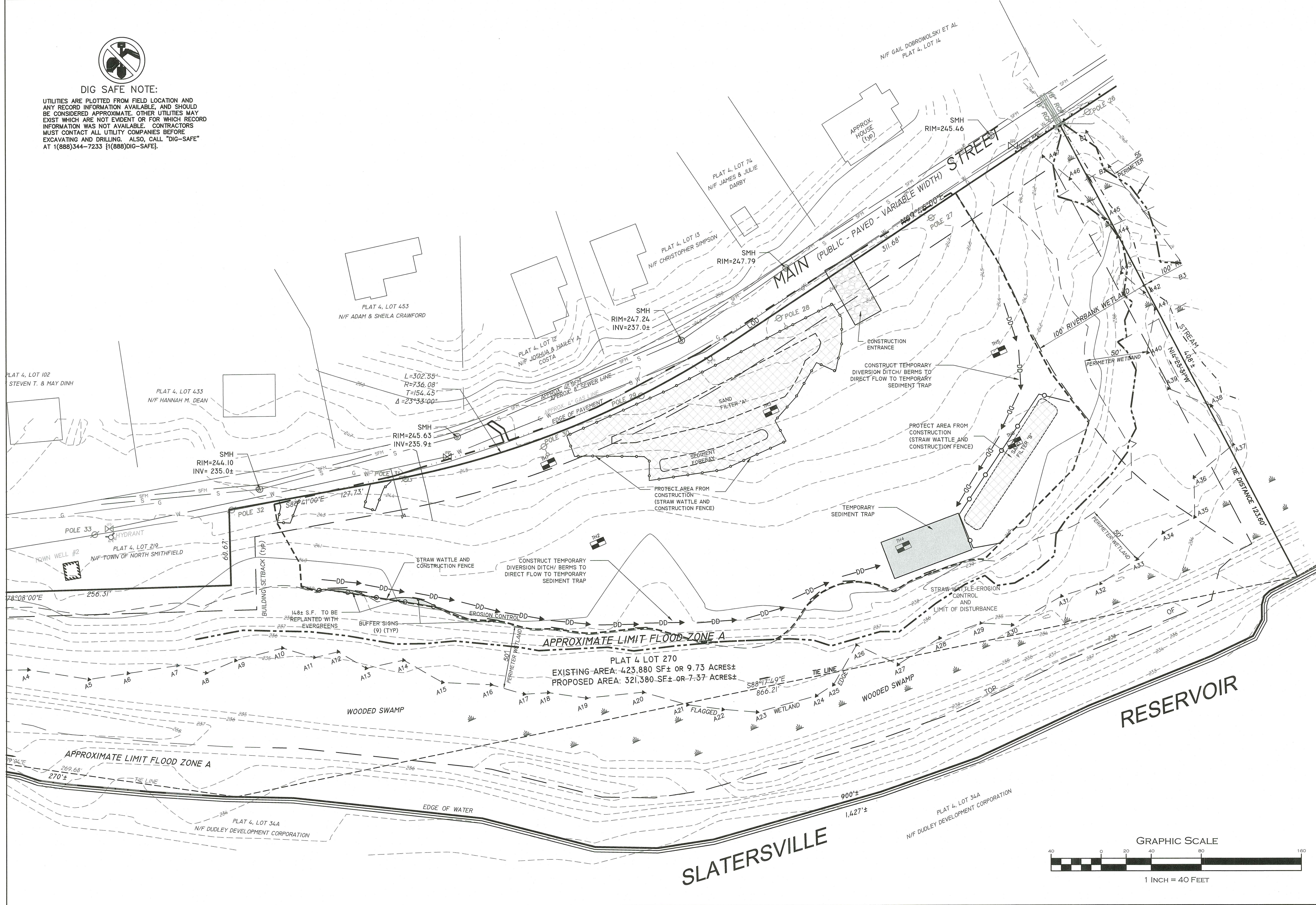
ROUGH GRADING

THE POTENTIAL FOR EROSION IS HIGH. DURING GRADING OPERATIONS, DISTURBED SLOPES WILL BE MULCHED AND VEGETATION ESTABLISHED TO PREVENT SEDIMENT EROSION TO THE SATISFACTION OF THE ENGINEER.



DIG SAFE NOTE:

UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT 1(888)344-7233 1(888)DIG-SAFE.

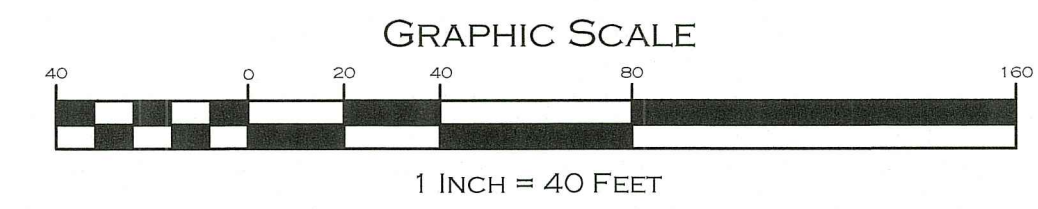


EROSION & SEDIMENT CONTROL NOTES:

- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. GRAVEL CONSTRUCTION ENTRANCE WILL BE INSTALLED BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF PROJECT AREA BEGINS. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF NORTH SMITHFIELD REGULATIONS AND PER THE LATEST EDITION OF THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
- ADDITIONAL CONTROL MEASURES AND/OR ALTERNATE CONFIGURATIONS MAY BE REQUIRED TO ADDRESS EVOLVING SITE CONDITIONS. THESE ADDITIONAL CONTROLS WILL BE INSTALLED DURING CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE ENGINEER OR TOWN AGENCIES.
- THE SITE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION AND UNTIL THE SITE IS FULLY STABILIZED AND/OR THE OWNER HAS ASSUMED RESPONSIBILITY BY WRITING.
- SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:
KENTUCKY BLUE GRASS = 45
CREEPING RED FESCUE = 45
PERENNIAL RYE GRASS = 10
SEED TO APPLIED AT A RATE OF 8 LBS / 1000 S.F. FERTILIZER SHALL BE APPLIED AT A RATE OF 2 LBS / 1000 S.F. PLANTING SEASON SHALL BE APRIL 1 TO OCTOBER 15. AREAS NOT SEEDED SHALL BE STABILIZED WITH STRAW WATTLES, HAY BALE CHECK DAMS, FILTER FABRIC OR WOODEN MULCH AS REQUIRED TO CONTROL EROSION.
- AREAS LEFT BARE BEFORE FINISH GRADING AND SEEDING IS ACHIEVED, SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYE GRASS APPLIED TO A RATE OF 2 LBS / 1000 S.F. AT A DEPTH OF 1/2". LIMESTONE (EQUIVALENT TO BE 50 % CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 80 LBS / 1000 S.F.. WHERE GRASS PREDOMINATES, FERTILIZE ACCORDING TO A SOIL TEST AT A MINIMUM APPLICATION RATE OF 1 LB OF NITROGEN PER 1000 S.F. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR-DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER, TREATED WITH 12 LBS NITROGEN PER TON, APPLIED AT A RATE OF 185-275 LBS / 1000 S.F.
- CONTRACTOR SHALL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFY THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- THE CONTRACTOR SHALL REQUEST THE APPROPRIATE TOWNS AGENCIES TO INSPECT AND APPROVE THE INSTALLATION OF ALL EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION. PERIODIC INSPECTIONS OF EROSION CONTROL MEASURES MAY BE PERFORMED BY THE AGENCIES, THE CONTRACTOR SHALL REPAIR, UPGRADE OR REPAIR ANY MEASURES THE AGENT MAY FEEL ARE IN NEED OF SUCH.
- STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN FIFTEEN (15) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAY BALES. SIDE SLOPES SHALL NOT EXCEED 2:1.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF THIS CONTRACT. DUST CONTROL SHALL INCLUDE BUT NOT LIMITED TO SPRINKLING WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
- SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES 1/4 TO 1/2 THE HEIGHT OF THE SILT FENCE OR HAY BALE, OR SILT SOCK.
- DISTURBED AREAS REMAINING IDLE FOR MORE THAN 14 DAYS SHALL BE STABILIZED.
- ALL FACILITIES USED AS TEMPORARY MEASURES SHALL BE CLEANED PRIOR TO BEING PUT INTO FINAL OPERATION.
- SAND FILTERS ARE NOT TO BE USED FOR TEMPORARY STORMWATER RUNOFF COLLECTION DURING THE PROJECTS CONSTRUCTION.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED: SEP 11 2023 FILE # 23025
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Andy Chapman

SOIL EROSION AND SEDIMENT CONTROL PLAN			
	"SLATER COURT"		
	NORTH SMITHFIELD, RHODE ISLAND 02896 ASSESSORS PLAT 4 LOT 270		
APPLICANT:	BB&G, LLC.		
JOB #	SCALE:	DRAWN BY:	DATE:
21-064	1" = 40'	SES	JUNE 14, 2022
REVISED: AUGUST 07, 2023			
		InSite Professional Complex, Suite 1 1539 Fall River Avenue Seekonk, MA 02771 Phone: (508) 336-4500 Fax: (508) 336-4558 Web Address: InSiteEngineers.com	
PROFESSIONAL ENGINEERS LAND SURVEYORS		PRECISION. CLARITY. CERTAINTY.	
SHEET		5	
OF 8			





STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
Department of Environmental Management
Office of Water Resources
Onsite Wastewater Treatment Systems Program



Site Evaluation Form
Part A - Soil Profile Description
Application Number
Property Owner: BB&G LLC
Property Location: SLATER COURT
Date of Test Hole: 12-8-2021
Soil Evaluator: MARS RY BERG
Weather: CLOUDY 35

Table with 10 columns: TH Horizon, Depth, Dist, Topo, Matrix, Re-Dox Features, Ab. S. Contr., Texture, Structure, Consistence, Soil Category. Contains data for soil profiles TH 1 and TH 2.

TH 1 Soil Class ABLE Total Depth 72 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth NONE SHWT 232" (cg)
TH 2 Soil Class ICE CONTACT Total Depth 100 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth 84 SHWT 84" (cg)

Revised 11/25/18



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
Department of Environmental Management
Office of Water Resources
Onsite Wastewater Treatment Systems Program



Site Evaluation Form
Part A - Soil Profile Description
Application Number
Property Owner:
Property Location:
Date of Test Hole:
Soil Evaluator:
Weather:

Table with 10 columns: TH Horizon, Depth, Dist, Topo, Matrix, Re-Dox Features, Ab. S. Contr., Texture, Structure, Consistence, Soil Category. Contains data for soil profiles TH 3, TH 4, and TH 5.

TH 3 Soil Class ABLE Total Depth 130 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth NONE SHWT 126" (cg)
TH 4 Soil Class ICE CONTACT Total Depth 100 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth 72 SHWT 72" (cg)
TH 5 Soil Class ABLE Total Depth 114 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth 114 SHWT 114" (cg)

Revised 11/25/18



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
Department of Environmental Management
Office of Water Resources
Onsite Wastewater Treatment Systems Program



Site Evaluation Form
Part A - Soil Profile Description
Application Number
Property Owner:
Property Location:
Date of Test Hole:
Soil Evaluator:
Weather:

Table with 10 columns: TH Horizon, Depth, Dist, Topo, Matrix, Re-Dox Features, Ab. S. Contr., Texture, Structure, Consistence, Soil Category. Contains data for soil profiles TH 6 and TH 7.

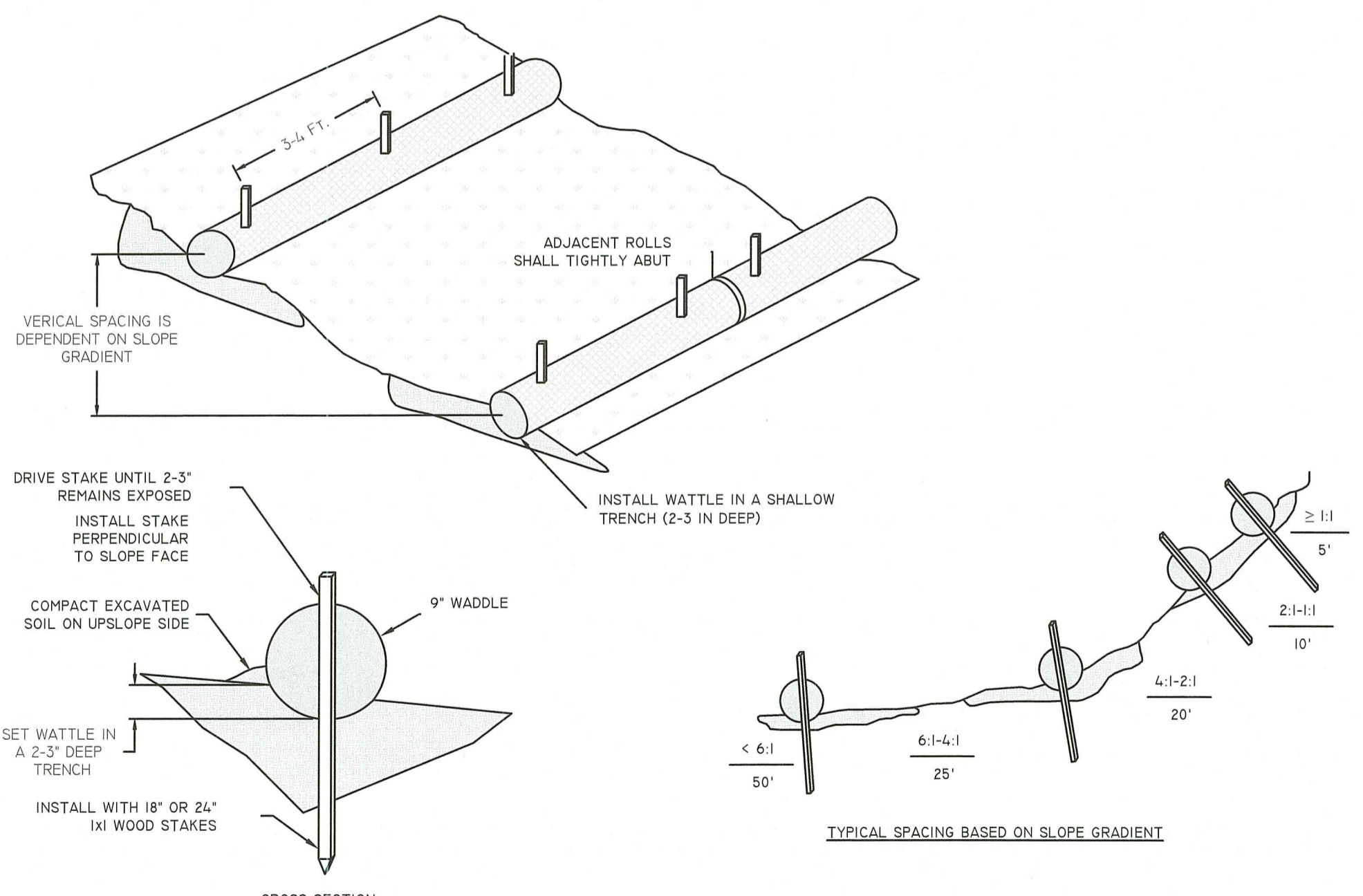
TH 6 Soil Class ICE CONTACT Total Depth 108 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth 72 SHWT 72" (cg)
TH 7 Soil Class ABLE Total Depth 114 Impervious/Limiting Layer Depth NONE (cg) GW Seepage Depth 114 SHWT 114" (cg)

Revised 11/25/18



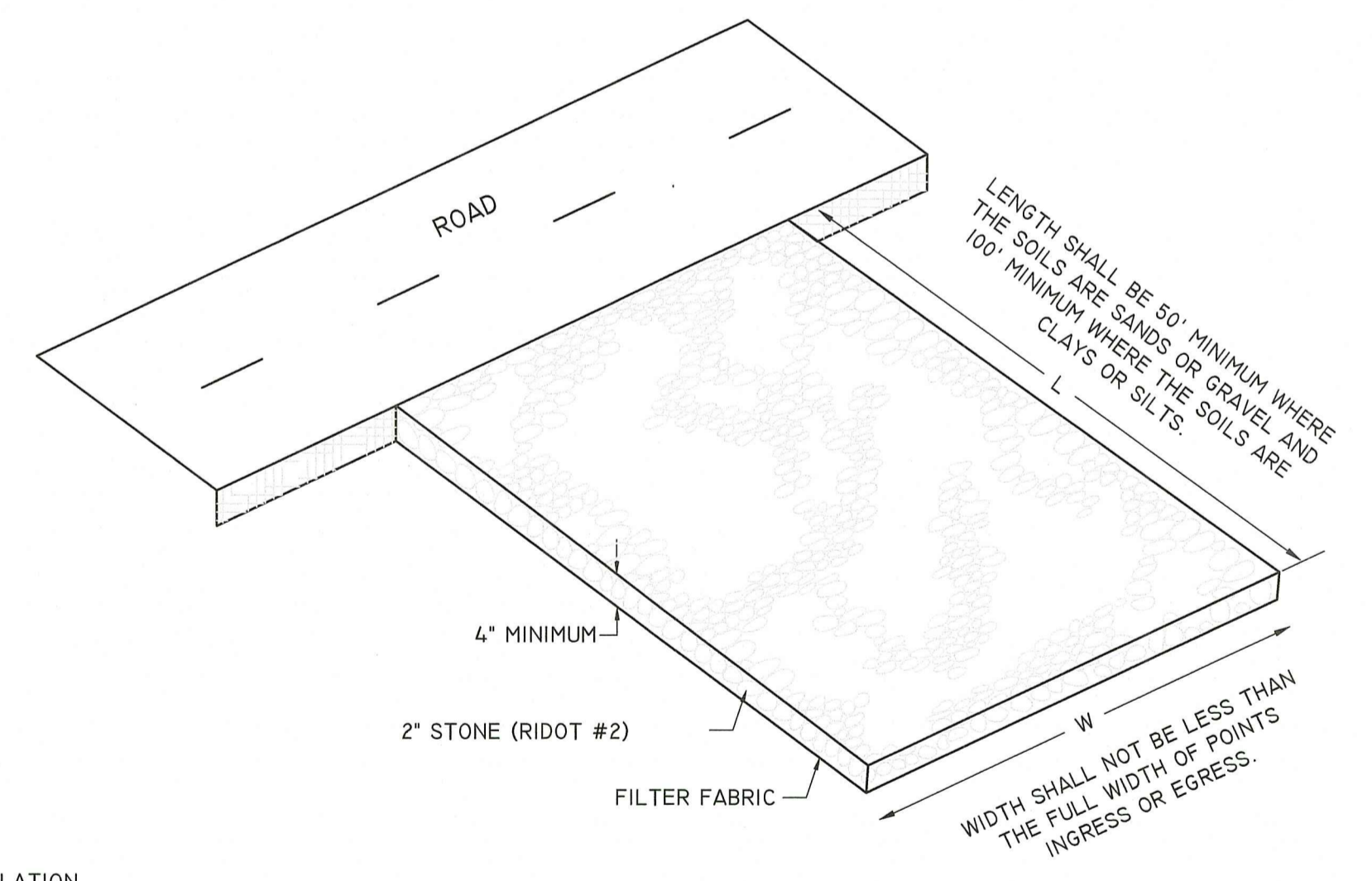
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 11 2023 FILE # 22-0235
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Handwritten signature



- GENERAL NOTES:
1. BEGIN AT THE LOCATION WHERE WATTLE IS TO BE INSTALLED BY EXCAVATING 2-3' DEEP x 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3' OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.
4. CONTRACTOR IS RESPONSIBLE TO MAINTAIN INTEGRITY OF STRAW WATTLE FOR DURATION OF CONSTRUCTION.
5. EROSION CONTROLS TO REMAIN UNTIL SOIL CONDITIONS STABILIZE.
6. LOOSE HAY TO BE SPREAD ON AREAS OF EXPOSED LOAM & SEED UNTIL GERMINATION AND STABILIZATION OCCURS.

STRAW WATTLE (OR SILT SOCK) DETAIL
NOT TO SCALE

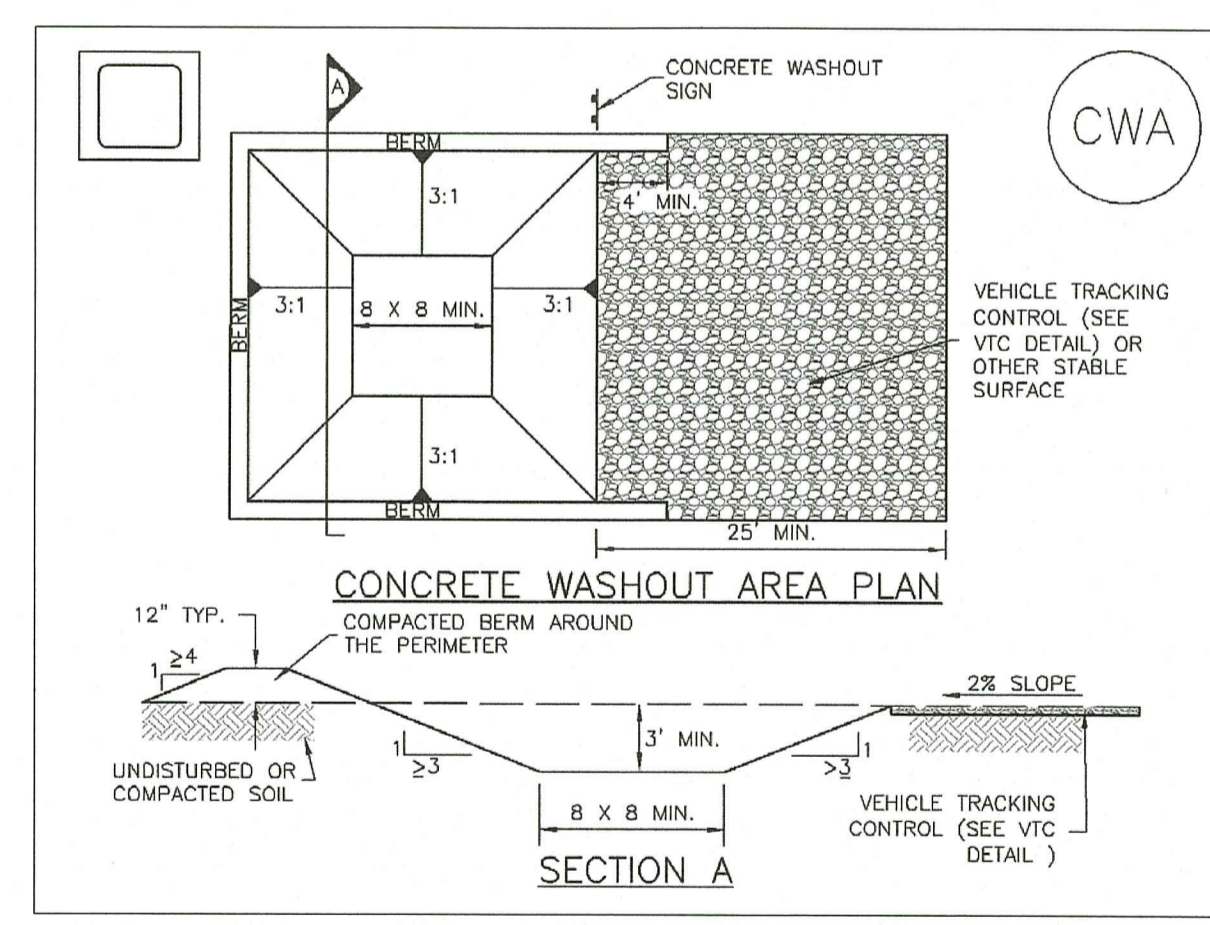


INSTALLATION
THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED ABOVE.

MAINTENANCE
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT-OF-WAYS THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, AND REPAIR, AND / OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

LOCATION
SEE EROSION CONTROL PLAN FOR LOCATION OF CONSTRUCTION ENTRANCE.

CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



- GENERAL NOTES:
1. SEE PLAN VIEW FOR -CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8'X8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA-1 CONCRETE WASHOUT AREA
NOT TO SCALE

DETAIL & SOIL LOGS SHEET

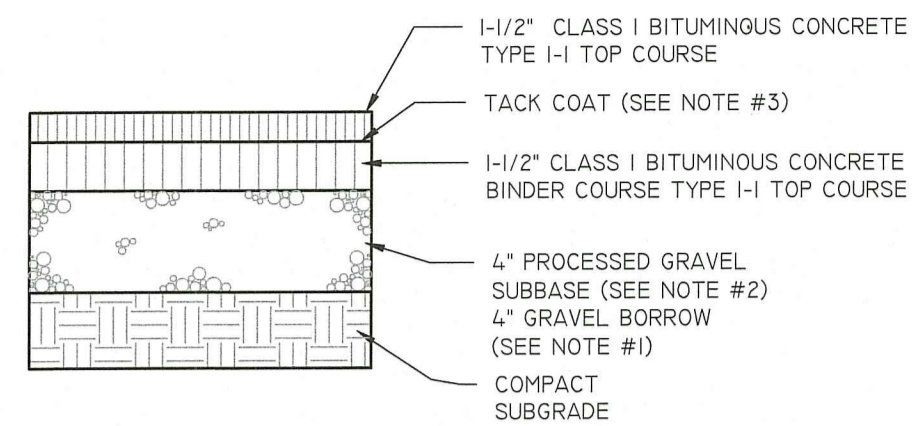
Professional seal for Paul D. Carlson, Registered Professional Engineer, No. 7142.

"SLATER COURT"
NORTH SMITHFIELD, RHODE ISLAND 02896
ASSESSORS MAP 4 LOT 270
APPLICANT: BB&G, LLC
176 EDDIE DOWLING HIGHWAY NORTH SMITHFIELD, RI 02896
JOB # 21-064 SCALE: NTS DRAWN BY: SES DATE: JUNE 14, 2022
REVISED: AUGUST 07, 2023

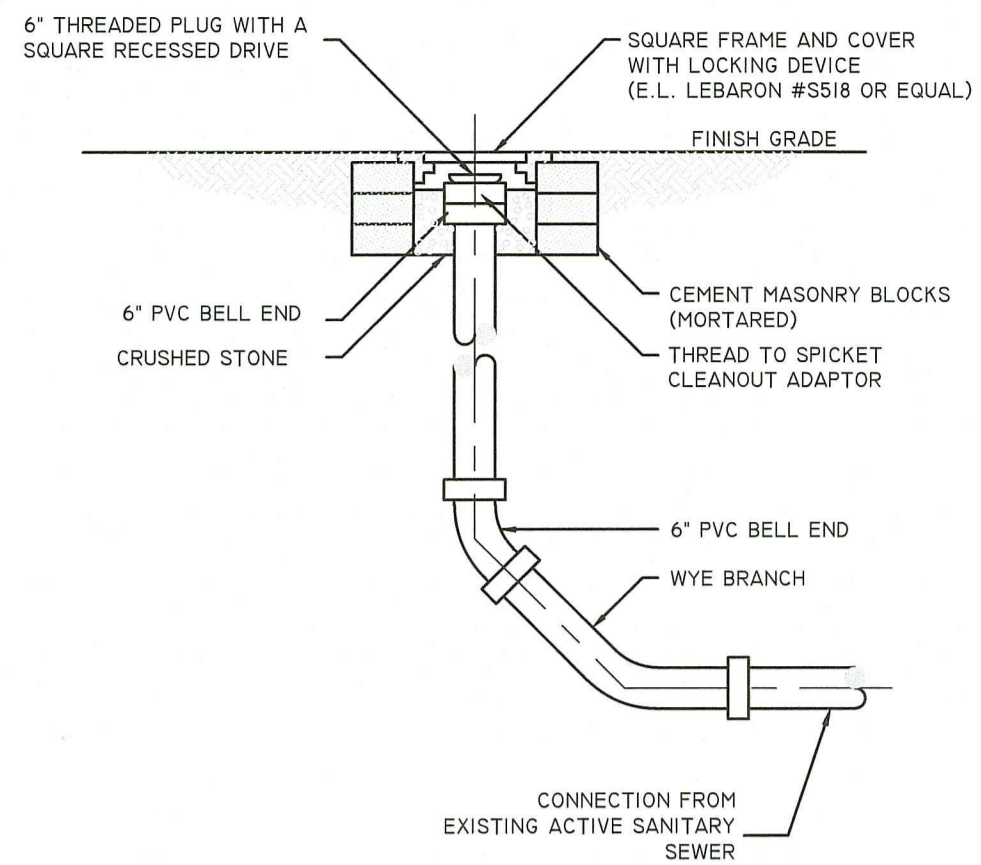
INSITE Engineering Services, LLC
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InSite Professional Complex, Suite 1
1539 Fall River Avenue Seekonk, MA 02771
Phone: (508) 336-4500 Fax: (508) 336-4558
Web Address: InSiteEngineers.com

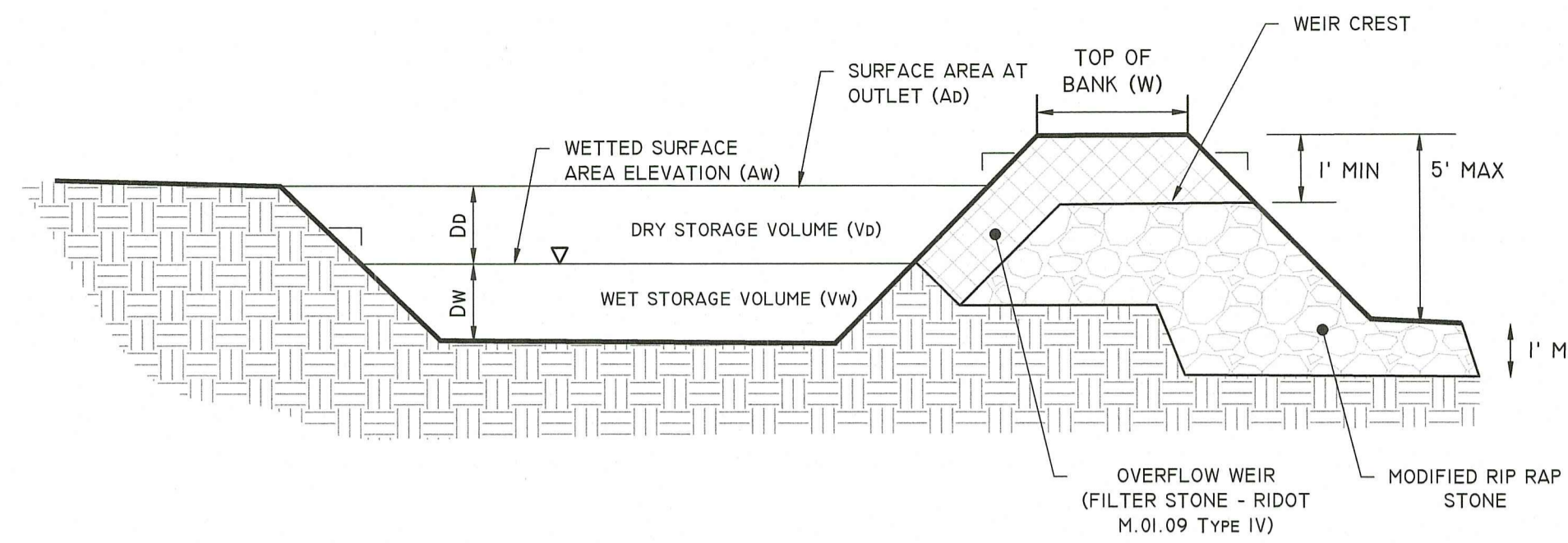
- NOTES:**
 1. GRAVEL BORROW SHALL CONFORM TO RIDOT STD. SPECIFICATION MATERIALS SECTION
 2. PROCESSED GRAVEL FOR SUBBASE COURSE SHALL CONFORM TO RIDOT STD. SPECIFICATION MATERIALS SECTION
 3. MACHINE APPLIED TACK COAT SHALL BE APPLIED ON TOP OF BINDER COURSE BEFORE FINAL PAVEMENT. TACK COAT SHALL CONFORM TO RIDOT. STD. SPECIFICATIONS MATERIALS SECTION



BITUMINOUS CONCRETE PAVEMENT DETAIL
 NOT TO SCALE



SANITARY SEWER CLEANOUT DETAIL

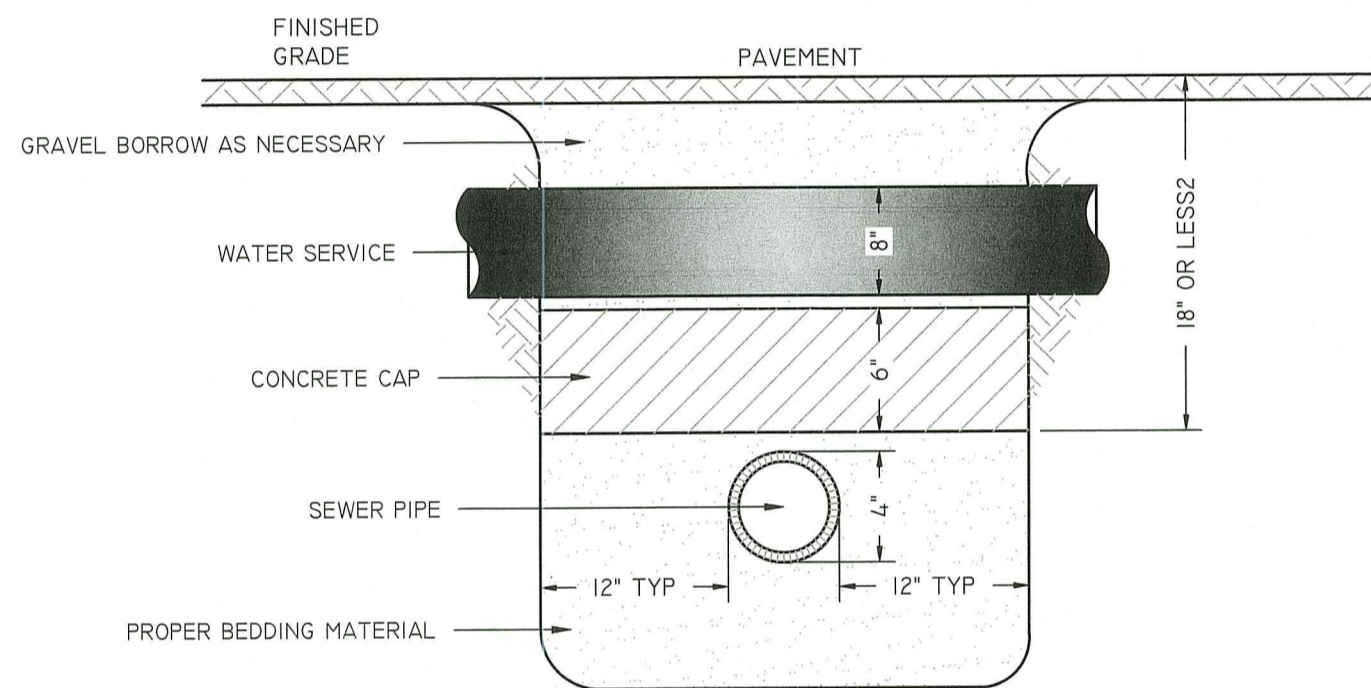


TEMPORARY SEDIMENT TRAP

NOT TO SCALE

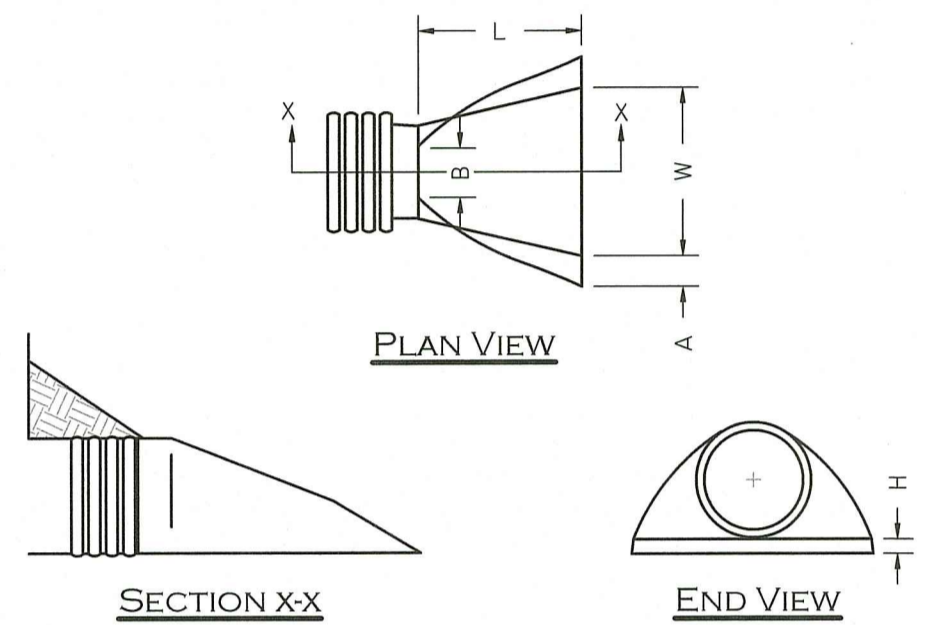


TEMPORARY SEDIMENT TRAP DIMENSIONS					
DRAINAGE AREA	SEDIMENT VOLUME REQUIRED	WET STORAGE DEPTH (Dw)	DRY STORAGE DEPTH (Dd)	BOTTOM OF TRAP AREA (Ab)	TOP OF BANK (W)
2.6 AC.	9500 CU. FT.	2 FT	1 FT	2050 S.F.	3 FT



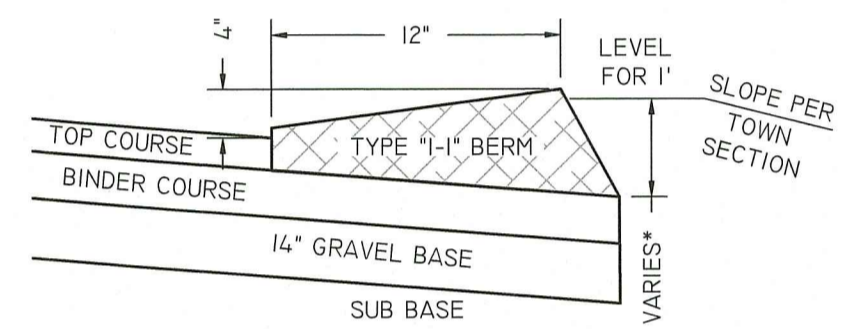
CONCRETE CAP DETAIL
 NOT TO SCALE

- GENERAL NOTES:**
 1. A 6\"/>



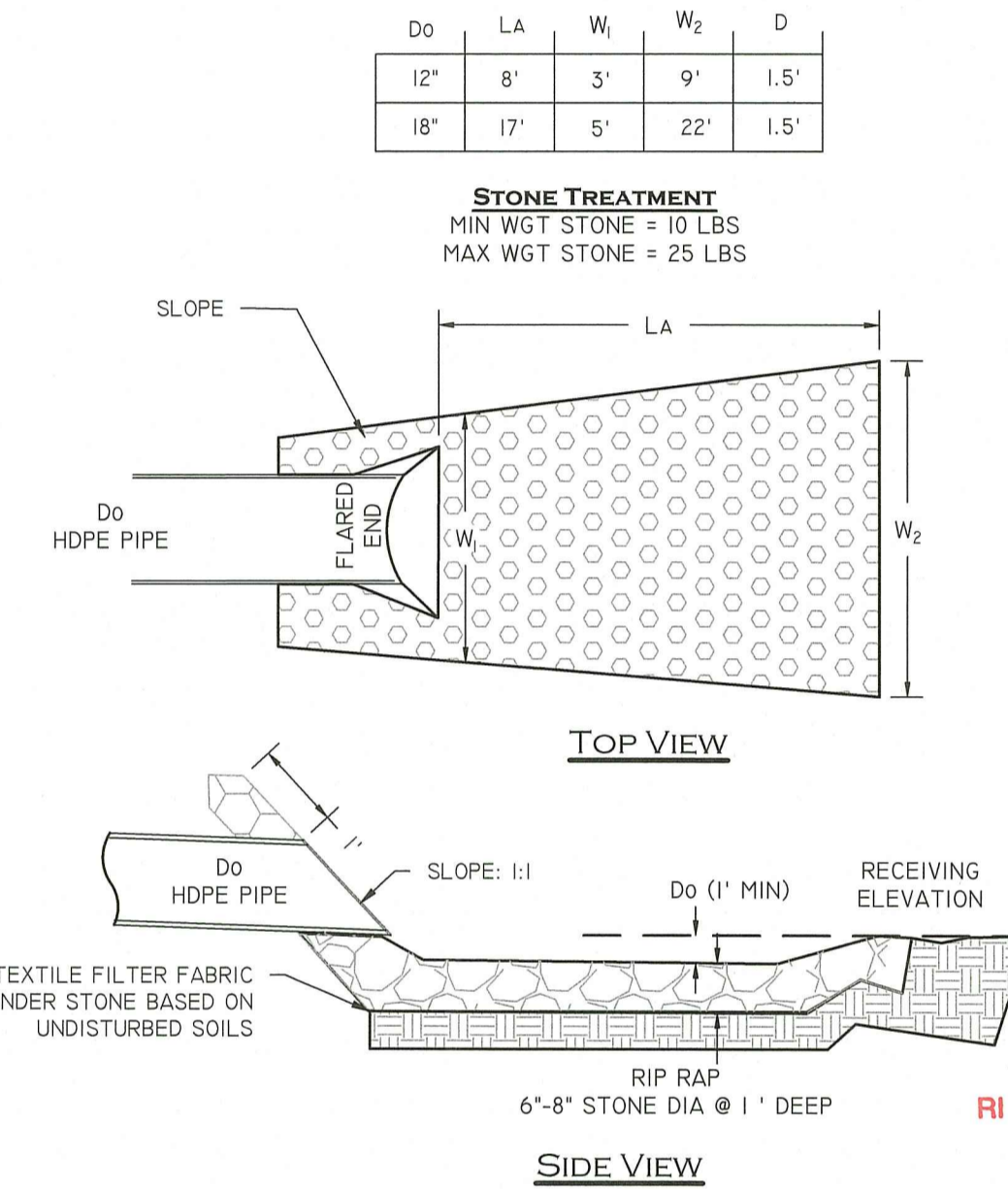
DIMENSIONS					
DIA.	A	B	H	L	W
12	6.5"	10"	6.5"	25"	29"
18	7.5"	15"	6.5"	32"	35"
24	7.5"	18"	6.5"	36"	45"

HDPE FLARED END SECTION
 NOT TO SCALE



* THIS DIMENSION VARIES WITH THE THICKNESS OF THE TOP COURSE AND SLOPE OF SHOULDER

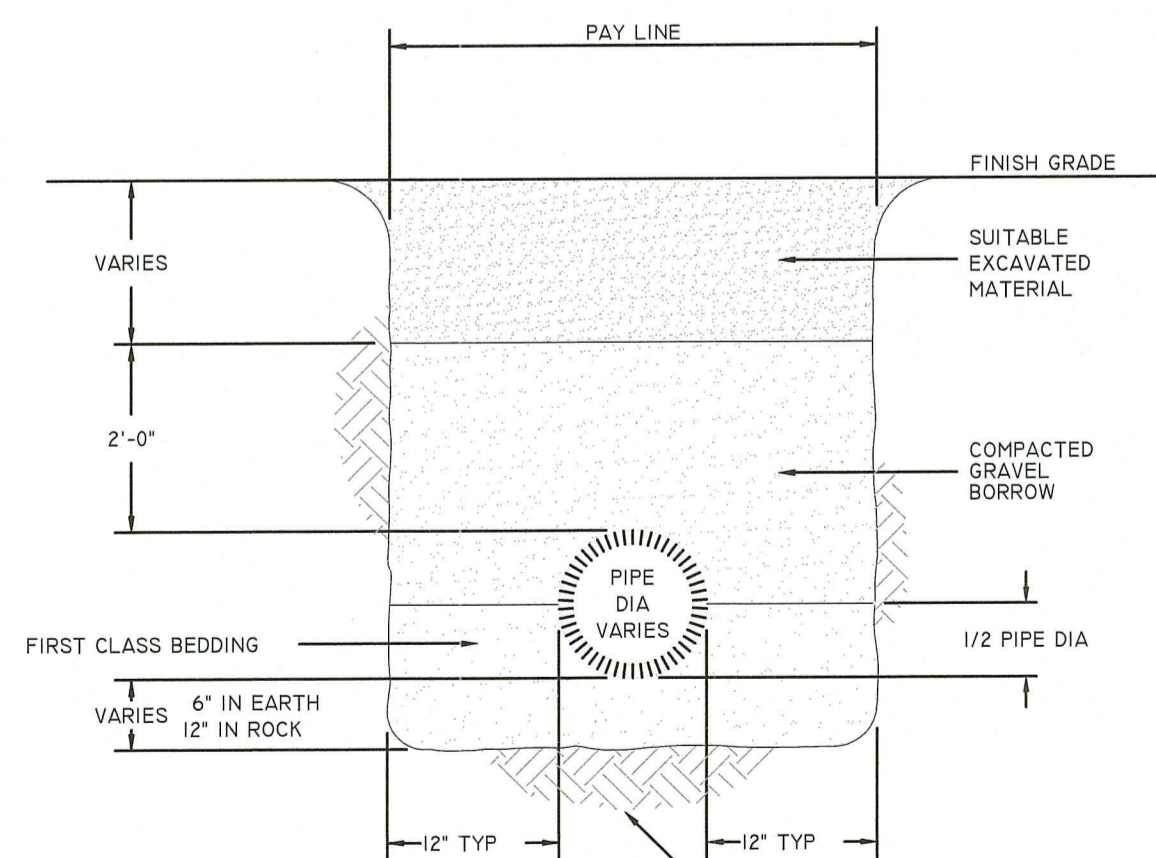
BITUMINOUS CONCRETE BERM - TYPE "I-1"
 NOT TO SCALE



TYPICAL FLARED END SECTION / RIP RAP DETAIL
 NOT TO SCALE

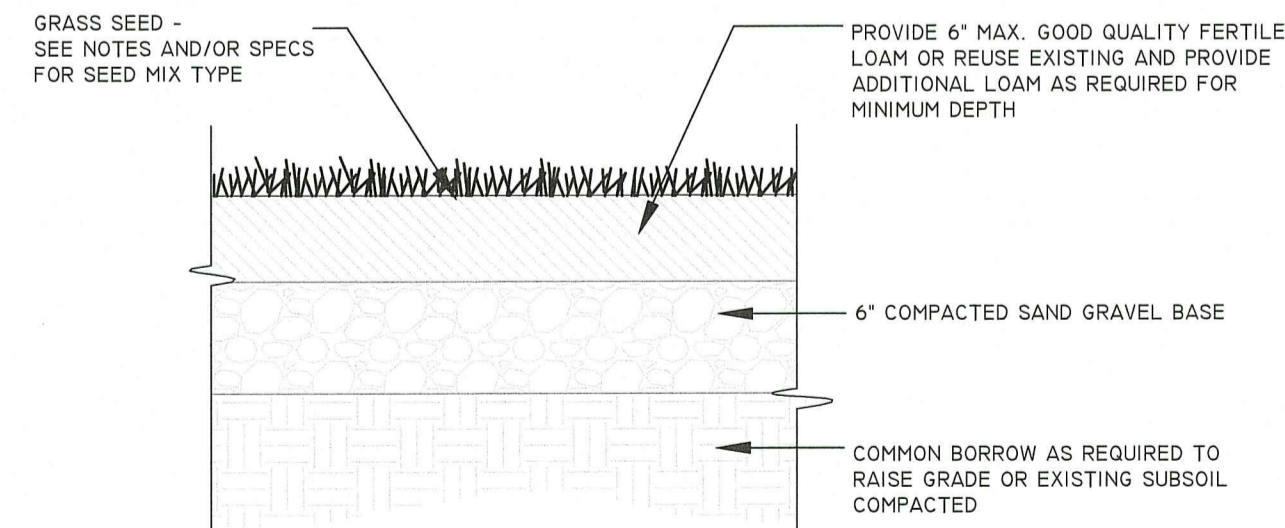
- NOTES:**
 1. RIP RAP TO BE CONSTRUCTED OVER 6\"/>

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 DATED: SEP 11 2023 FILE # 22-0235
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SANITARY SEWER TRENCH DETAIL
 NOT TO SCALE

- GENERAL NOTES:**
 1. FINISH GRADE MATERIAL VARIES (SEE SITE PLANS)
 2. RESTORE FINISH GRADE TO MATCH EXISTING



LOAM AND SEED DETAIL
 NOT TO SCALE

NOTES:

- LOAM MOVED SHALL BE RETAINED AND DISTRIBUTED ON THE SITE IN ACCORDANCE WITH THE PLANS. STOCKPILED LOAM SHALL NOT BE MIXED WITH ANY SUBSOIL OR UNSUITABLE MATERIALS. NEW LOAM IF REQUIRED SHALL BE FERTILE, FRIABLE, MEDIUM TEXTURED SANDY LOAM FREE OF STUMPS, STONES, ROOTS AND OTHER MATTER ONE INCH (1") OR GREATER IN DIAMETER. THE PH SHALL BE BETWEEN 5.5 AND 7.5.
- LAWN PREPARATION: ALL DEBRIS AND INORGANIC MATERIAL SHALL BE REMOVED FROM THE SUBGRADE. PRIOR TO THE SPREADING OF ANY LOAM, AREAS SHALL BE RESHAPED AND DRESSED WITH CLEAN LOAM AS REQUIRED TO OBTAIN A SMOOTH SURFACE. SUBGRADE TO BE SCARIFIED AND LOOSEN IN AREAS WHERE COMPACTION HAS OCCURRED. LOAM TO BE SPREAD TO A DEPTH OF SIX INCHES (6"). A STARTER FERTILIZER (10-20-10) AT A RATE OF 20 LBS. PER 1000 SQUARE FEET AND LIME AT A RATE OF 50 LBS. PER 1000 SQUARE FEET. THE LOAM SHALL BE ROLLED TO CREATE A SMOOTH SURFACE.
- SEEDING SHALL TAKE PLACE BETWEEN MARCH 15 AND MAY 31 OR AUGUST 15 AND OCTOBER 15. SEED SHALL BE PURE, LIVE, FRESH SEED FROM COMMERCIAL SOURCES AND LABELED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. THE SEED MIXTURE SHALL BE:

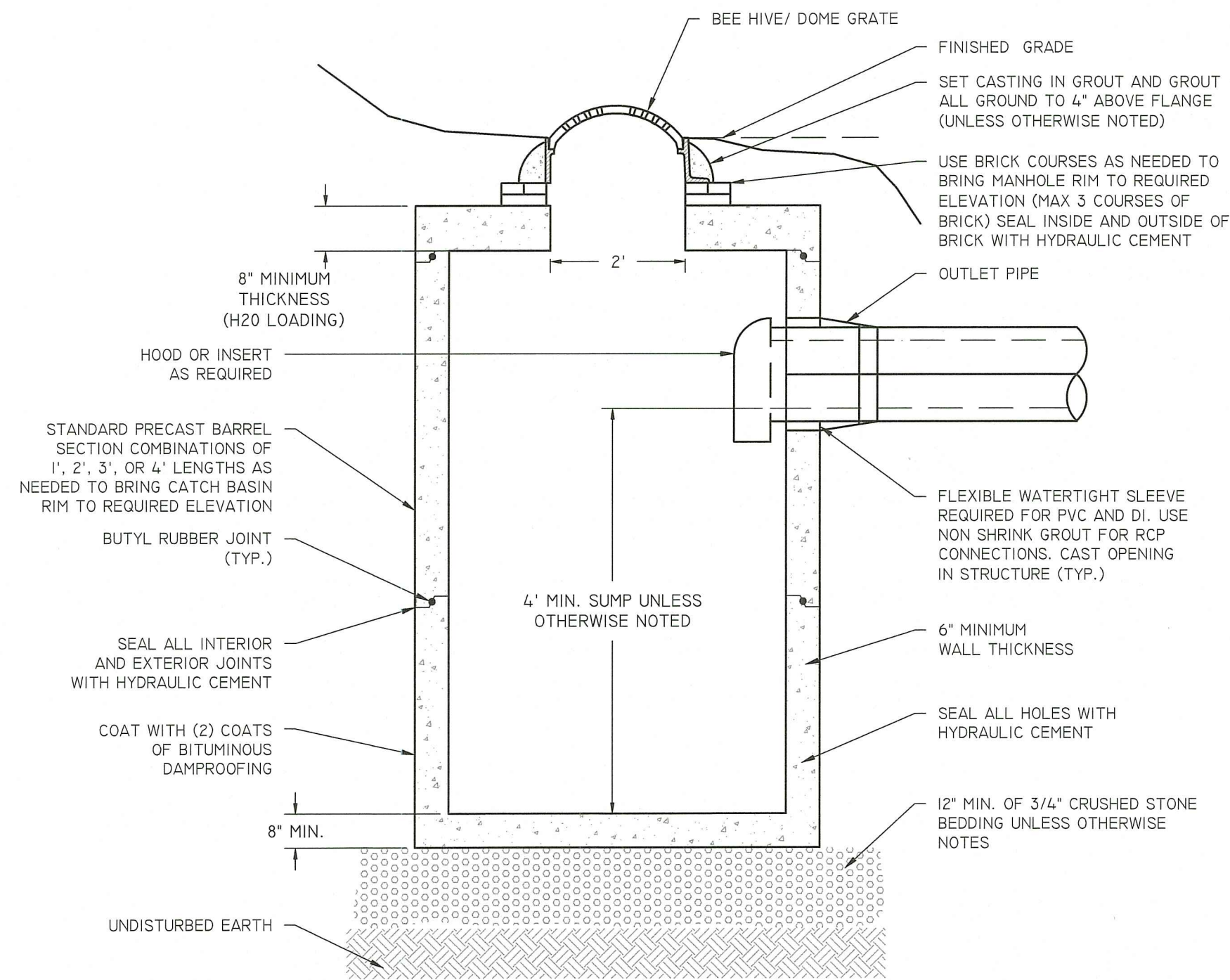
PROPORTION TYPE	WEIGHT
HENREYS HARD FESCUE	24.78%
AZURE SHEEPS FESCUE	24.78%
AMBROSE CHEWINGS FESCUE	24.67%
CREeping RED FESCUE	24.63%

*INERT MATERIAL TO BE LESS THAN 2.5% MAX.

DETAIL SHEET 2

	"SLATER COURT"	
	NORTH SMITHFIELD, RHODE ISLAND 02896 ASSESSORS MAP 4 LOT 270	
APPLICANT:	BB&G, LLC	
JOB #	SCALE:	DATE:
21-064	NTS	SEP 14, 2022
DRAWN BY:	REVISED: AUGUST 07, 2023	
SES		

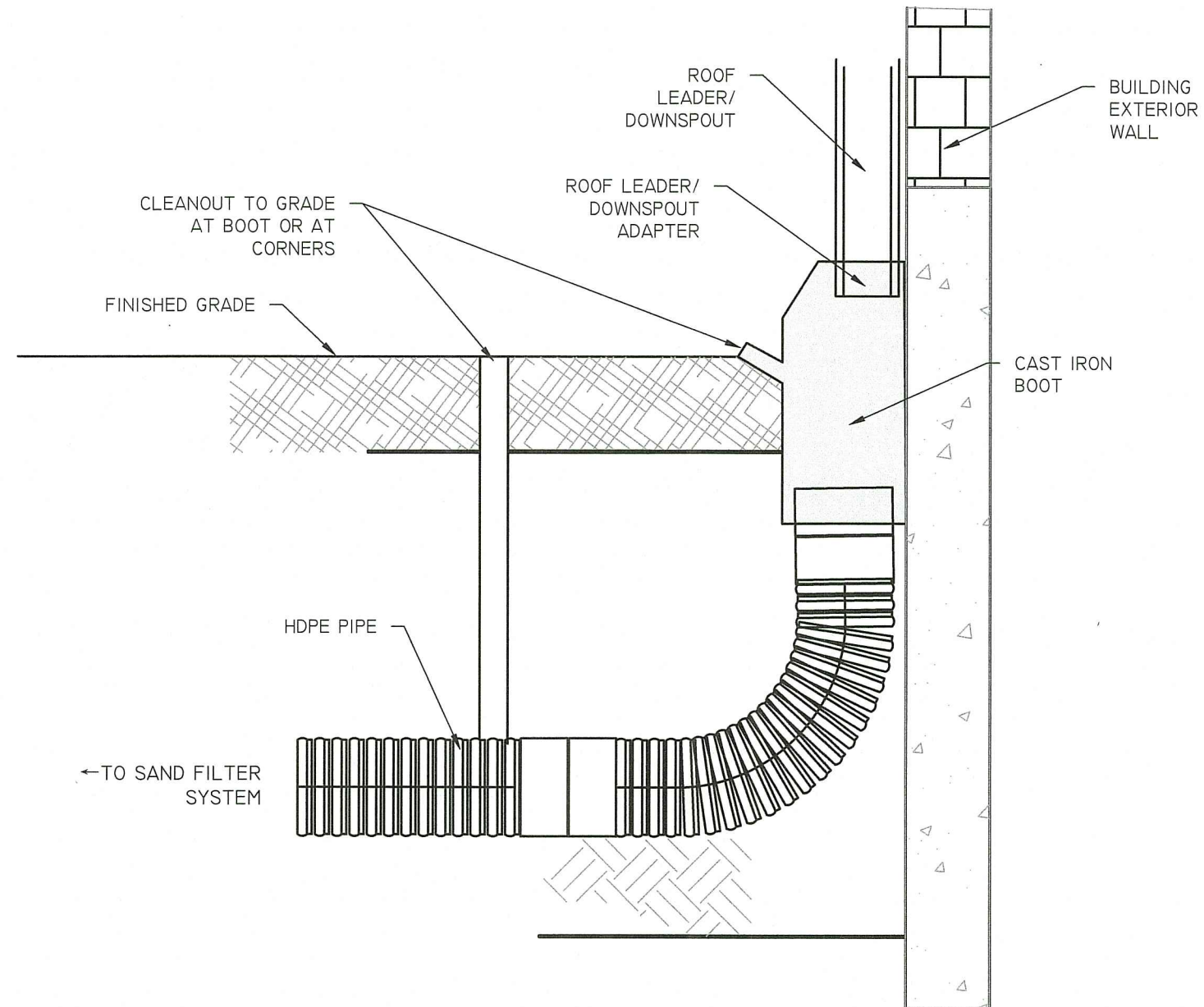
	InSite Professional Complex, Suite 1 1539 Fall River Avenue Seekonk, MA 02771 Phone: (508) 338-4500 Fax: (508) 336-4558 Web Address: InSiteEngineers.com	
	PROFESSIONAL ENGINEERS LAND SURVEYORS Precision. Clarity. Certainty.	



SECTION A-A

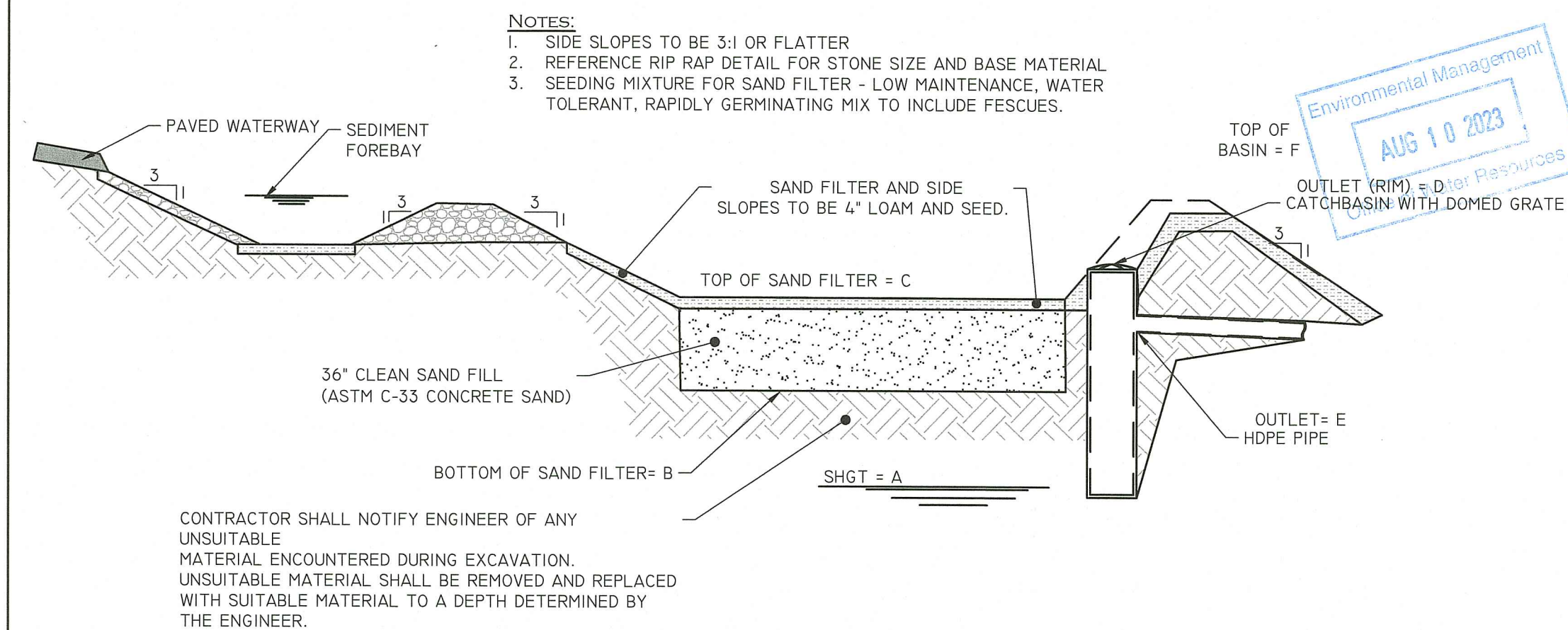
PRECAST CONCRETE OUTLET CATCH BASIN

NOT TO SCALE



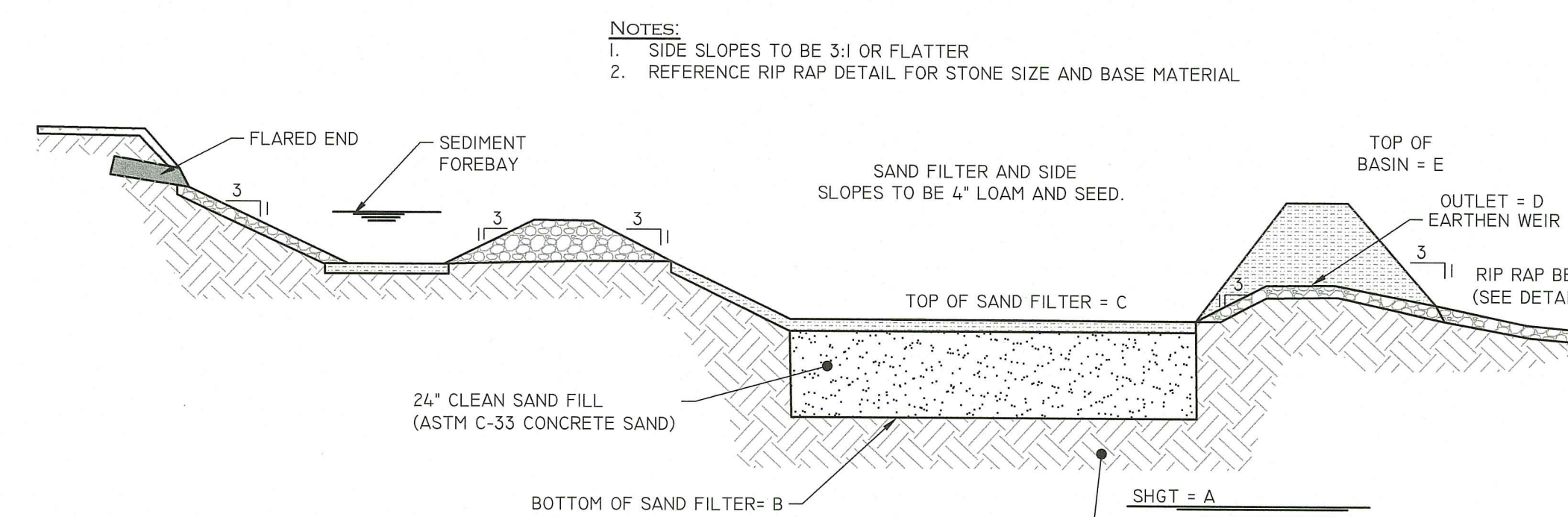
ROOF LEADER DRAINAGE DETAIL

NOT TO SCALE



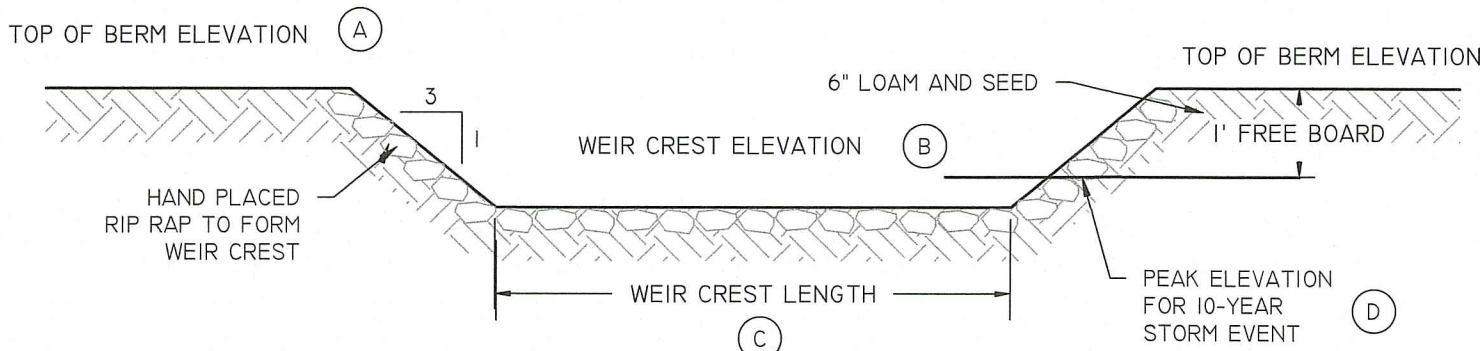
SAND FILTER "A" SECTION
NOT TO SCALE

FILTER #	SHGT 'A'	BOTTOM OF FILTER 'B'	TOP OF FILTER 'C'	OUTLET 'D'	OUTLET 'E'	TOP OF BASIN 'F'	10 YR EL
SAND FILTER A	236.0	240	243	244.0	242.0	246	244.03



SAND FILTER "C" SECTION
NOT TO SCALE

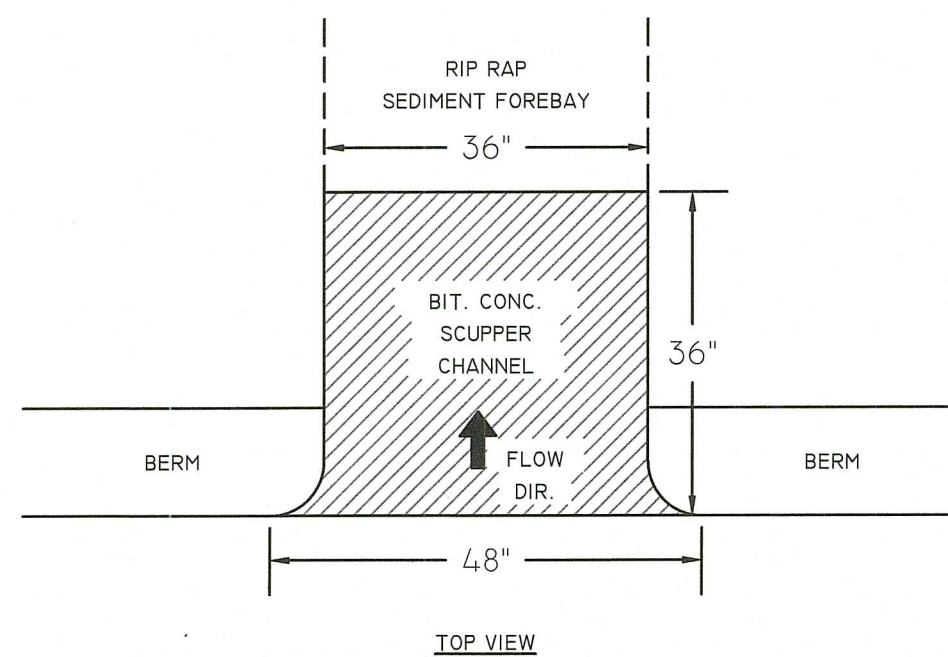
FILTER #	SHGT 'A'	BOTTOM OF FILTER 'B'	TOP OF FILTER 'C'	OUTLET 'D'	TOP OF BASIN 'E'	10 YR EL
SAND FILTER C	234	236	238	239.0	240.5	239.2



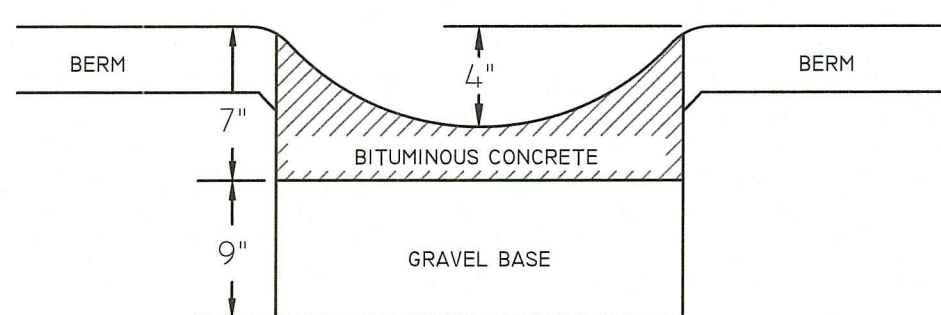
EARTHEN WEIR DETAIL

NOT TO SCALE

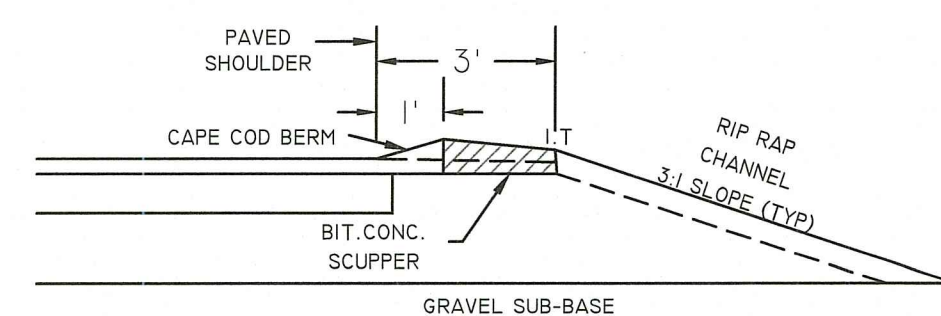
SAND FILTER B	TOP OF BERM (A)	WEIR CREST ELEVATION (B)	WEIR CREST LENGTH (C)	10 YEAR PEAK (D)
	240.5	239.0	4.0'	239.2



TOP VIEW

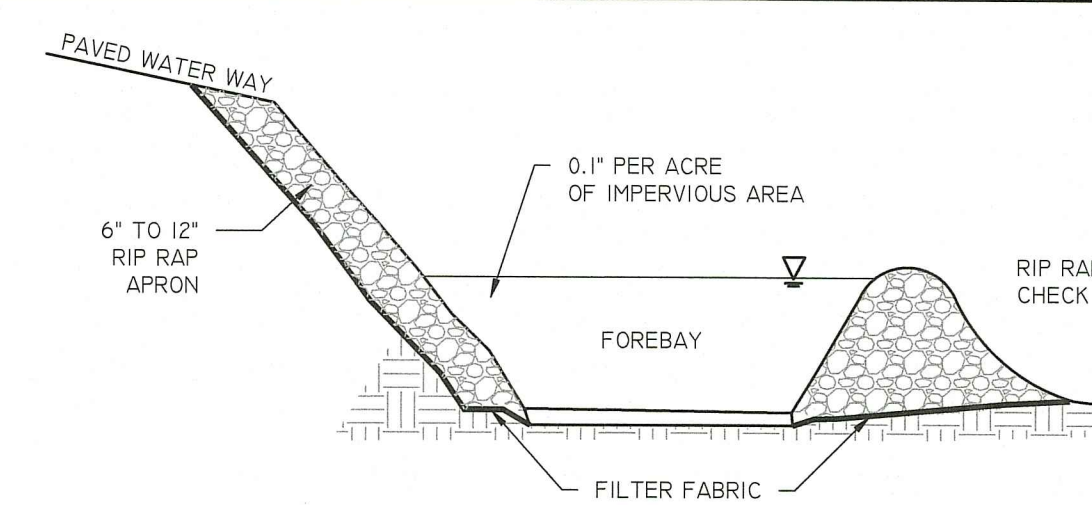


CROSS SECTION



PAVED WATERWAY (PWW) DETAILS

NOT TO SCALE



SEDIMENT FOREBAY - SECTION

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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DETAIL SHEET 3

	<p>"SLATER COURT" NORTH SMITHFIELD, RHODE ISLAND 02896 ASSESSORS MAP 4 LOT 270</p>	
	<p>APPLICANT: BB&G, LLC 176 EDDIE DOWLING HIGHWAY NORTH SMITHFIELD, RI 02896</p>	
JOB # 21-064	SCALE: NTS	DRAWN BY: SES
DATE: JUNE 14, 2022	REVISED: AUGUST 07, 2023	

	<p>InSite Professional Complex, Suite 1 1539 Fall River Avenue Seekonk, MA 02771 Phone: (508) 336-4500 Fax: (508) 336-4558 Web Address: InSiteEngineers.com</p>	<p>SHEET 8 OF 8</p>