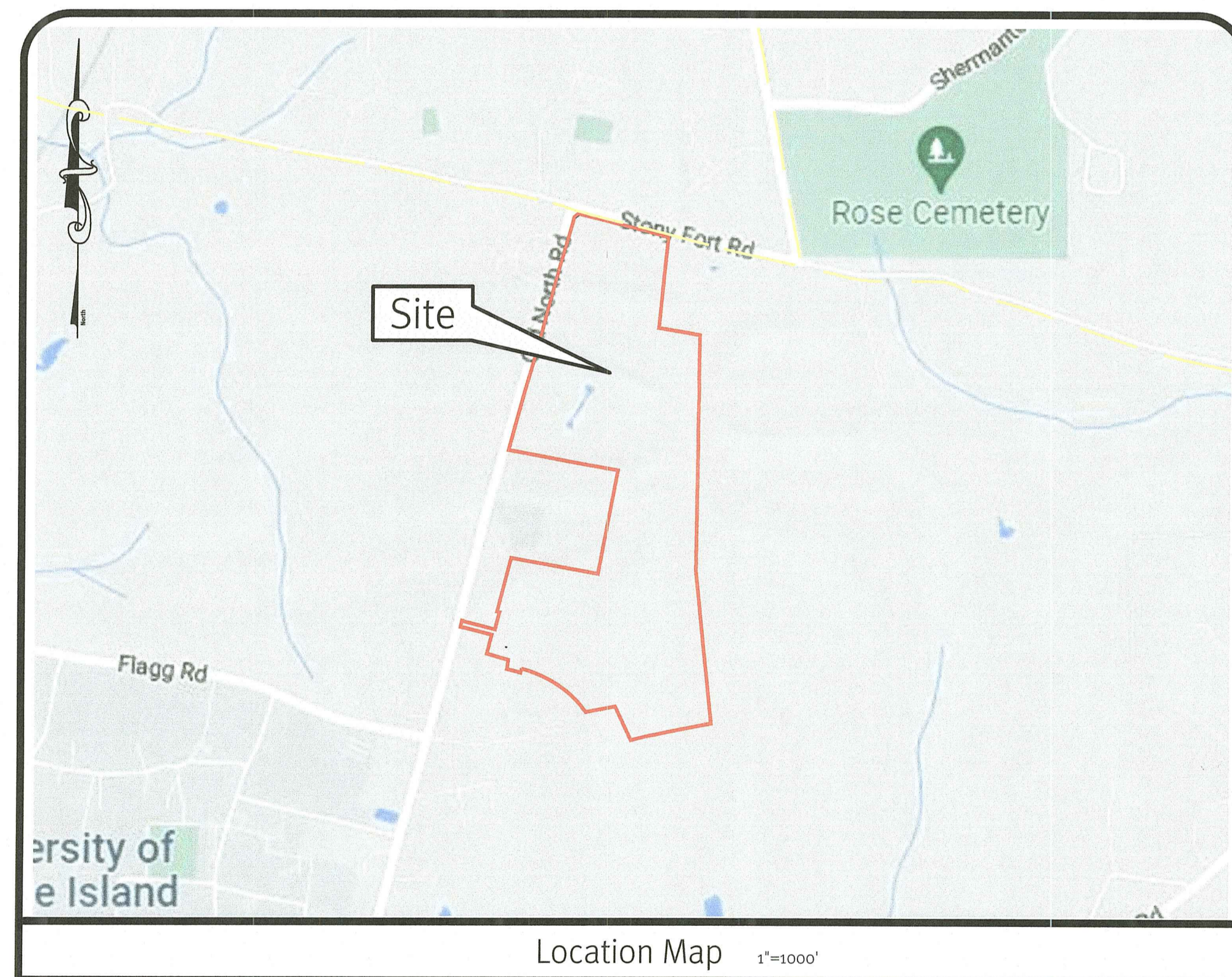


RIDEM Submission

Fieldstone Farms

South Kingstown, Rhode Island

Assessor's Plat 16-4, Lot 9



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

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2. Half Mile Radius Map
3. Existing Conditions Plan
4. SESC Plan
5. Overall Plan
6. Grading Plan - 1
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10. Grading Plan - 5
11. Plan & Profile - 1
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13. Detail Sheet - 1
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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: NOV 17 2022 FILE # 22-0152

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Matthew D. Wenzel



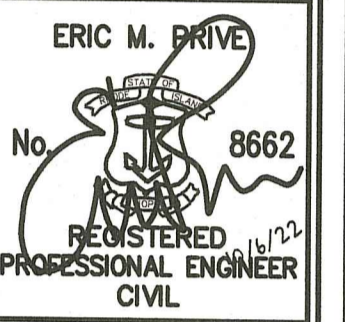
RIDEM PERMITS:

- FRESHWATER WETLANDS #13-0034
- RIPDES FILE #RIR01025
- OWTS SITE SUITABILITY S32-209.

DiPrete Engineering

Two Stafford Court Cranston, RI 02920
Tel: 401-942-1000 Fax: 401-464-6006 www.DIPrete-Eng.com

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No.	DATE	DESCRIPTION	BY	Design By: R.B.S.
1	10/06/2022	RIDEM Response to Comments	S.P.R.	
2	07/17/2022	RIPDES Submission	S.P.R.	
3	12/13/2021	RIDEM Response to Comments	D.A.M.	
4	12/13/2021	RIDEM Submission	D.A.M.	

Cover Sheet
Fieldstone Farms
Assessor's Plat 16-4, Lot 9
South Kingstown, Rhode Island
Prepared for
Old North Land Investments LLC
75 Lambert Lind Highway
Warwick, Rhode Island 02886
DE Job No: 0162-184 Copyright 2022 by DiPrete Engineering Associates, Inc.

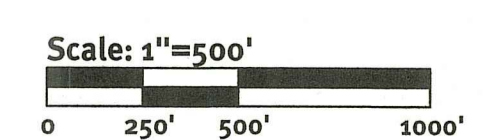
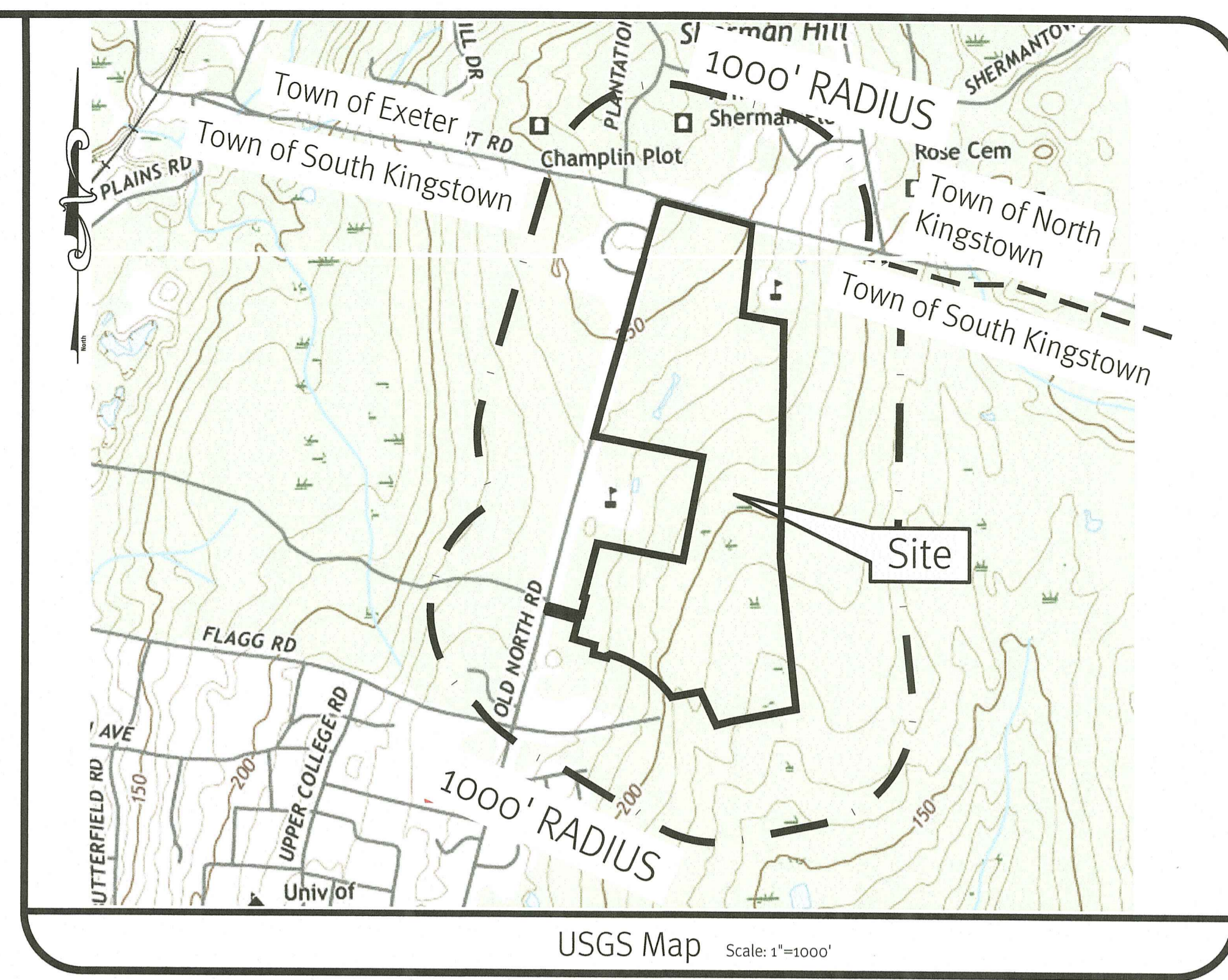
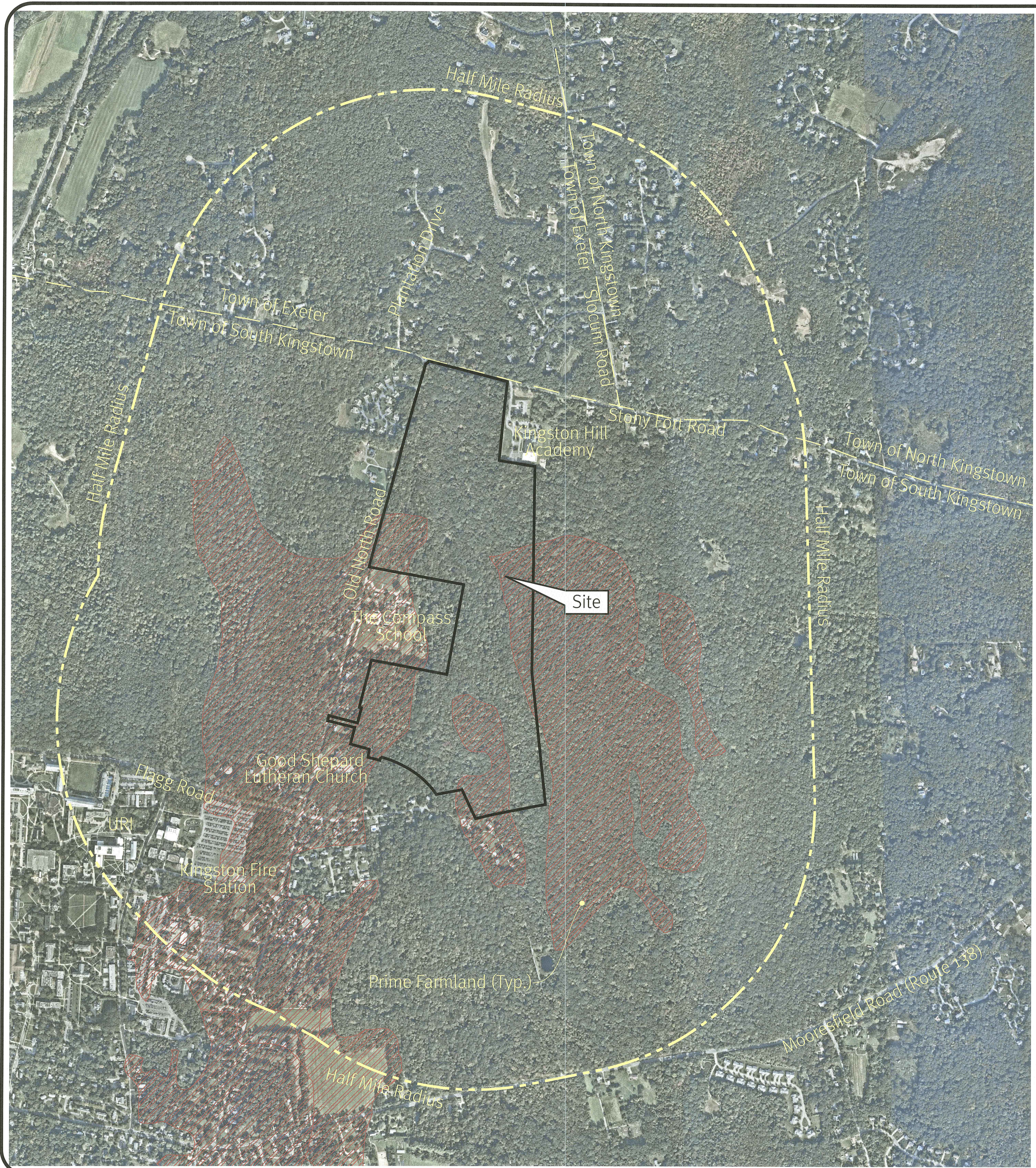


Photo obtained from the RI-GIS of 2011 Digital Orthophotography Southern Urban Areas of Rhode Island.

Environmental Management
 OCT 07 2022
 Office of Water Resources

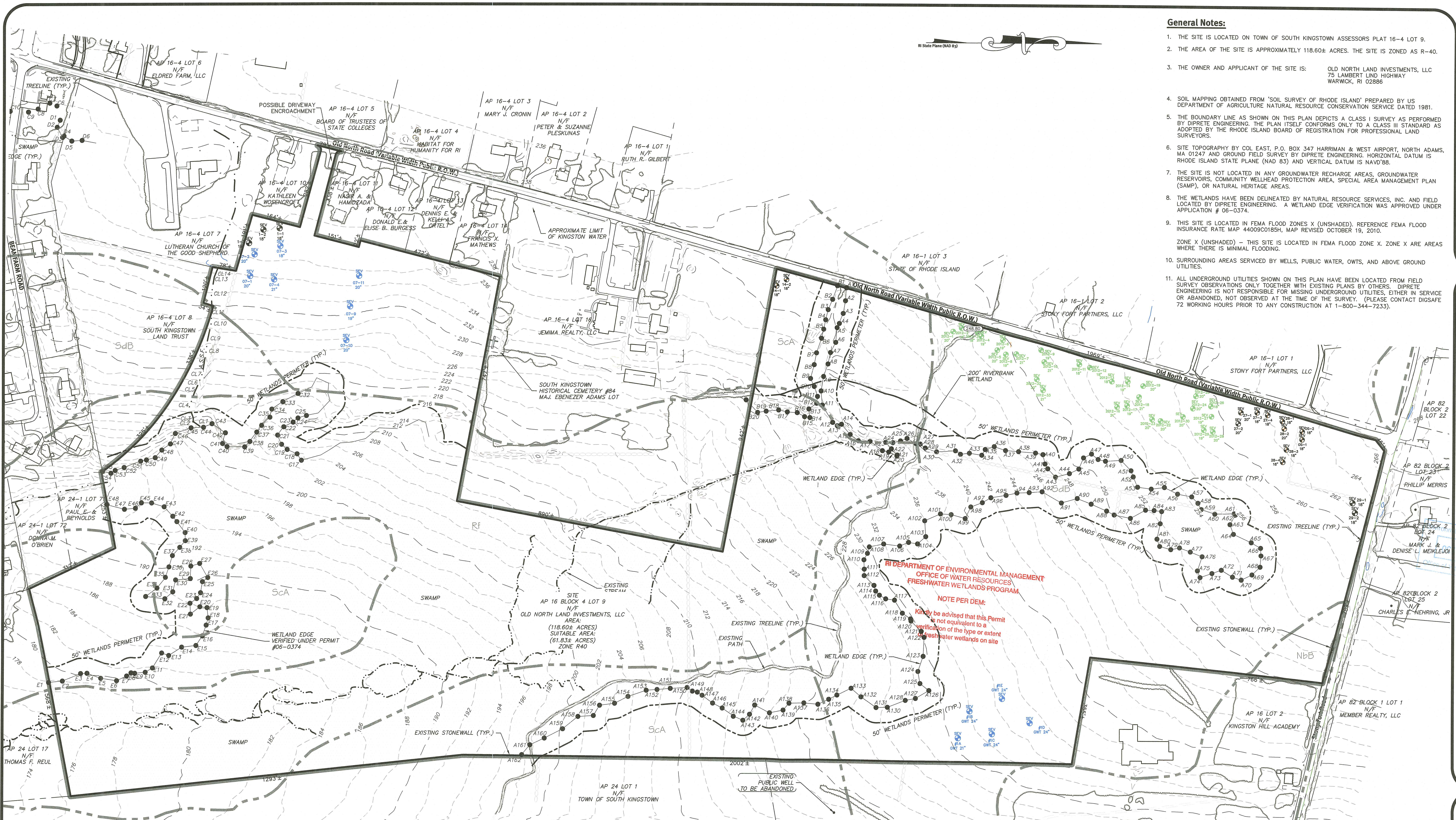
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: 10/11/2022 FILE #: 22-0152
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jonathan B. Wenzel

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ERIC M. BRIVE
 No. 8662
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

No.	Date	Description	Design By: R.B.S.
1	01/16/2022	RI/DMAK Response to Comments	
2	02/01/2022	RI/DMAK Re-Submission	
3	02/02/21	RI/DMAK Re-Submission	
4	02/02/21	RI/DMAK Re-Submission	
5	02/02/21	RI/DMAK Re-Submission	

Half Mile Radius Map
Fieldstone Farms
 Assessor's Plat 16-4, Lot 9
 South Kingstown, Rhode Island
 Prepared for
Old North Land Investments LLC
 75 Lambert Lind Highway
 Warwick, Rhode Island 02886
 DE Job No. 0161384 Copyright 2022 by DiPrete Engineering Associates, Inc.

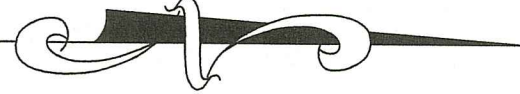


General Notes:

1. THE SITE IS LOCATED ON TOWN OF SOUTH KINGSTOWN ASSESSORS PLAT 16-4 LOT 9.
2. THE AREA OF THE SITE IS APPROXIMATELY 118.60± ACRES. THE SITE IS ZONED AS R-40.
3. THE OWNER AND APPLICANT OF THE SITE IS: OLD NORTH LAND INVESTMENTS, LLC
75 LAMBERT LIND HIGHWAY
WARWICK, RI 02886
4. SOIL MAPPING OBTAINED FROM 'SOIL SURVEY OF RHODE ISLAND' PREPARED BY US DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE DATED 1981.
5. THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS A CLASS 1 SURVEY AS PERFORMED BY DIPRETE ENGINEERING. THE PLAN ITSELF CONFORMS ONLY TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
6. SITE TOPOGRAPHY BY COL EAST, P.O. BOX 347 HARRIMAN & WEST AIRPORT, NORTH ADAMS, MA 01247 AND GROUND FIELD SURVEY BY DIPRETE ENGINEERING. HORIZONTAL DATUM IS RHODE ISLAND STATE PLANE (NAD 83) AND VERTICAL DATUM IS NAVD'88.
7. THE SITE IS NOT LOCATED IN ANY GROUNDWATER RECHARGE AREAS, GROUNDWATER RESERVOIRS, COMMUNITY WELLHEAD PROTECTION AREA, SPECIAL AREA MANAGEMENT PLAN (SAMP), OR NATURAL HERITAGE AREAS.
8. THE WETLANDS HAVE BEEN DELINEATED BY NATURAL RESOURCE SERVICES, INC. AND FIELD LOCATED BY DIPRETE ENGINEERING. A WETLAND EDGE VERIFICATION WAS APPROVED UNDER APPLICATION # 06-0374.
9. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (UNSHADED). REFERENCE FEMA FLOOD INSURANCE RATE MAP 44009C0185H, MAP REVISED OCTOBER 19, 2010.
ZONE X (UNSHADED) - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X ARE AREAS WHERE THERE IS MINIMAL FLOODING.
10. SURROUNDING AREAS SERVICED BY WELLS, PUBLIC WATER, OWTS, AND ABOVE GROUND UTILITIES.
11. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY OBSERVATIONS ONLY TOGETHER WITH EXISTING PLANS BY OTHERS. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR MISSING UNDERGROUND UTILITIES, EITHER IN SERVICE OR ABANDONED, NOT OBSERVED AT THE TIME OF THE SURVEY. (PLEASE CONTACT DIGSAFE 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 1-800-344-7233).

Certification:
THIS SURVEY AND PLAN CONFORMS TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
(SEE GENERAL NOTE 5)

RI State Plane (NAD 83)



Legend:

ASSESSOR'S LINES	---	SOIL IDENTIFICATION	BoC	SOIL EVALUATIONS 2009 RIDEM VERIFIED	30'
PROPERTY LINE	====	EXISTING STONEWALL	-----	SOIL EVALUATIONS 2007 RIDEM VERIFIED	18'
SOIL BOUNDARY LINE	-----	EXISTING BUILDING	□	SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED	15'
WETLAND EDGE	---	EXISTING UTILITY POLE	○		
100' RIVERBANK WETLAND	-----	EXISTING MAJOR CONTOUR	--- 240 ---		
50' PERIMETER WETLAND	-----	EXISTING MINOR CONTOUR	--- 242 ---		
200' RIVERBANK WETLAND	-----	AP	ASSESSOR'S PLAT		
EXISTING TREELINE	~~~~~	UP	UTILITY POLE		
EXISTING STREAM	-----	N/F	NOW OR FORMERLY		
EXISTING FENCE	-----	WETLAND FLAG	● A5		
		WETLAND HATCH	●		

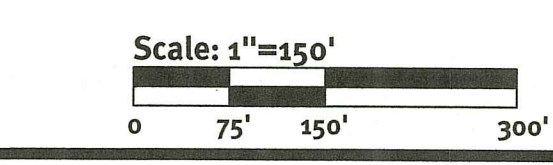
Soil Information:

(REFERENCE: SOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
Rf	RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS
ScA	SCIO SILT LOAM, 0 TO 3 PERCENT SLOPES
SdB	SCIO VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES
NbB	NARRAGANSETT VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES

Dimensional Regulations:

CURRENT ZONING:	RESIDENTIAL R-40
MINIMUM LOT AREA:	40,000 SF
MINIMUM FRONTAGE AND LOT WIDTH:	150'
MINIMUM FRONT YARD:	40'
MINIMUM CORNER SIDE YARD:	30'
MINIMUM SIDE YARD:	20'
MINIMUM REAR YARD:	40'
MAXIMUM STRUCTURE HEIGHT:	35'
MAXIMUM LOT BUILDING COVERAGE:	20%

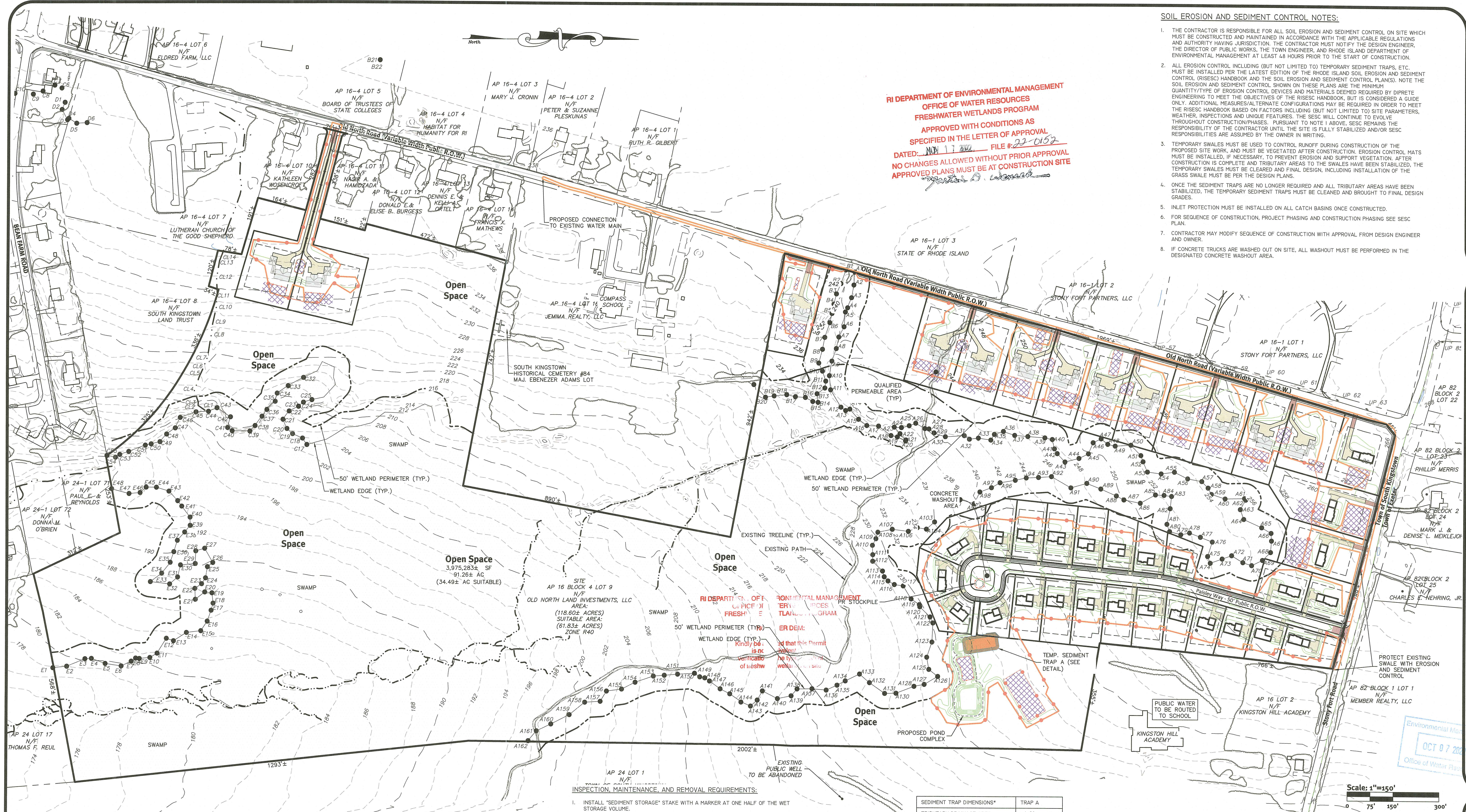


Existing Conditions Plan
Fieldstone Farms

Prepared for
Old North Land Investments LLC
75 Lambert Lind Highway
Warwick, Rhode Island 02886

No.	Date	Description	By:
1	10/07/2022	RIDEM RESPONSE TO COMMENTS	R.B.S.
2	8/31/2022	RIDEM SUBMISSION	R.B.S.
3	07/29/22	RIDEM SUBMISSION	R.B.S.
4	06-28-23	RIDEM SUBMISSION	R.B.S.
5	06-28-23	RIDEM SUBMISSION	R.B.S.

Design By: R.B.S.



**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM**

**APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: NOV 17 2022 FILE # 22-0152**

**NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

Robert B. Loomis

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON SITE WHICH MUST BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. ALL EROSION CONTROL INCLUDING (BUT NOT LIMITED TO) TEMPORARY SEDIMENT TRAPS, ETC. MUST BE INSTALLED PER THE LATEST EDITION OF THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL (RISESC) HANDBOOK AND THE SOIL EROSION AND SEDIMENT CONTROL PLANS. NOTE THE SOIL EROSION AND SEDIMENT CONTROL SHOWN ON THESE PLANS ARE THE MINIMUM QUANTITY/TYPE OF EROSION CONTROL DEVICES AND MATERIALS DEEMED REQUIRED BY DIPRETE ENGINEERING TO MEET THE OBJECTIVES OF THE RISESC HANDBOOK, BUT IS CONSIDERED A GUIDE ONLY. ADDITIONAL MEASURES/ALTERNATE CONFIGURATIONS MAY BE REQUIRED IN ORDER TO MEET THE RISESC HANDBOOK BASED ON FACTORS INCLUDING (BUT NOT LIMITED TO) SITE PARAMETERS, WEATHER, INSPECTIONS AND UNIQUE FEATURES. THE SESS WILL CONTINUE TO EVOLVE THROUGHOUT CONSTRUCTION/PHASES. PURSUANT TO NOTE 1 ABOVE, SESS REMAINS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE SITE IS FULLY STABILIZED AND/OR SESS RESPONSIBILITIES ARE ASSUMED BY THE OWNER IN WRITING.
3. TEMPORARY SWALES MUST BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED SITE WORK, AND MUST BE VEGETATED AFTER CONSTRUCTION. EROSION CONTROL MATS MUST BE INSTALLED, IF NECESSARY, TO PREVENT EROSION AND SUPPORT VEGETATION. AFTER CONSTRUCTION IS COMPLETE AND TRIBUTARY AREAS TO THE SWALES HAVE BEEN STABILIZED, THE TEMPORARY SWALES MUST BE CLEARED AND FINAL DESIGN, INCLUDING INSTALLATION OF THE GRASS SWALE MUST BE PER THE DESIGN PLANS.
4. ONCE THE SEDIMENT TRAPS ARE NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE TEMPORARY SEDIMENT TRAPS MUST BE CLEARED AND BROUGHT TO FINAL DESIGN GRADES.
5. INLET PROTECTION MUST BE INSTALLED ON ALL CATCH BASINS ONCE CONSTRUCTED.
6. FOR SEQUENCE OF CONSTRUCTION, PROJECT PHASING AND CONSTRUCTION PHASING SEE SESS PLAN.
7. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER AND OWNER.
8. IF CONCRETE TRUCKS ARE WASHED OUT ON SITE, ALL WASHOUT MUST BE PERFORMED IN THE DESIGNATED CONCRETE WASHOUT AREA.

SOIL EROSION CONTROL LEGEND

- EROSION CONTROL (COMPOST SOCK, SILT FENCE (RI STD 9.2.0, OR APPROVED EQUAL))
- LIMIT OF DISTURBANCE (NO SEDIMENT CONTROL)
- LIMIT OF DISTURBANCE (WITH SEDIMENT CONTROL)
- TRIBUTARY AREA TO SESS BMP
- CONSTRUCTION ENTRANCE (RIDOT STD 9.9.0)
- INFILTRATING AREA (TO BE PROTECTED BY COMPOST SOCK OR SILT FENCE)
- FINAL CONTOUR GRADE
- INLET SEDIMENT CONTROL
- CLASS C SILT FENCE

GENERAL NOTES:

1. THE TEMPORARY SEDIMENT TRAP SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION 5: SEDIMENT CONTROL MEASURES
2. THE TEMPORARY SEDIMENT TRAP MUST PROVIDE A STORAGE VOLUME FOR ONE INCH OF RUNOFF FROM THE CONTRIBUTING AREA. HALF OF THE STORAGE MUST BE PROVIDED IN THE FORM OF WET STORAGE. SEE DETAIL BELOW SECTION 6 OF THE RISESC.
3. ALL CUT AND FILL SLOPES MUST BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES MUST NOT EXCEED 1.5:1.
4. THE OUTLET MUST BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
5. THE OUTLET CONSISTS OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
7. MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET (BOTTOM OF DRY STORAGE TO TOP OF EMBANKMENT). TOTAL EMBANKMENT HEIGHT MUST NOT EXCEED 6 FEET (BOTTOM OF WET STORAGE TO TOP OF EMBANKMENT).
8. SIDE SLOPES OF THE EMBANKMENT MUST BE 2:1 OR FLATTER.
9. MODIFIED RIPRAP SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
10. FILTER STONE: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE I, COLUMN V FILTER STONE.

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

1. INSTALL "SEDIMENT STORAGE" STAKE WITH A MARKER AT ONE HALF OF THE WET STORAGE VOLUME.
2. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
3. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
4. CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
5. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
6. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA AS DESIGNATED BY THE GEOTECHNICAL ENGINEER.
7. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

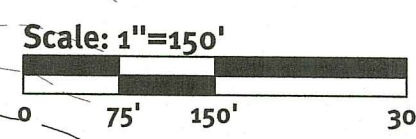
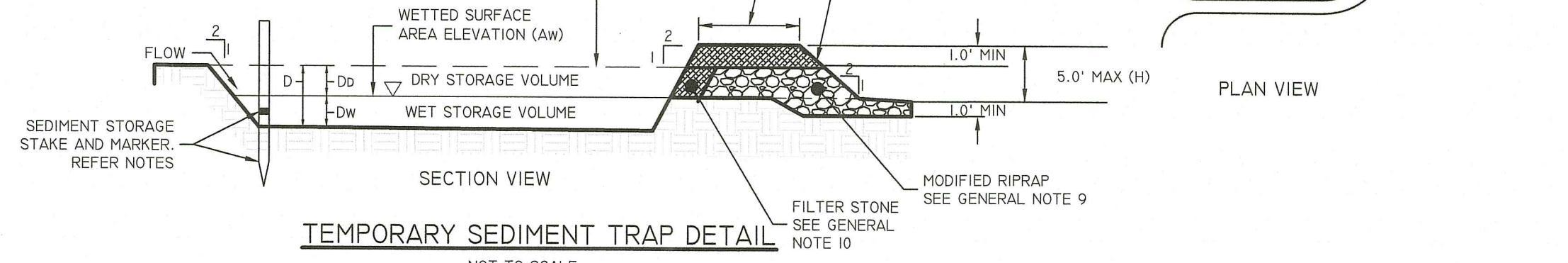
INSTALLATION NOTES:

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER SIX (6) INCHES) OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 4-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES: SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION.

SEDIMENT TRAP DIMENSIONS*	TRAP A
TRIBUTARY DRAINAGE AREA	4.20 AC
WET STORAGE DEPTH (Dw)	2.00 FT
DRY STORAGE DEPTH (Dd)	2.00 FT
TOTAL DEPTH (D)	4.00 FT
BOTTOM OF TRAP AREA (Ab)	3.676 SQ.FT
WETTED SURFACE AREA (Aw)	4,503 SQ.FT
SURFACE AREA AT OUTLET (Ao)	5,387 SQ.FT

*TRAP DIMENSIONS REPRESENT MINIMUM REQUIRED SIZING TO MEET THE RISESC. CONTRACTOR MAY SHAPE TRAP DIFFERENTLY THAN SHOWN ON PLANS AS LONG AS THE MINIMUM SIZING HAS BEEN PROVIDED.

MINIMUM TOP WIDTH VS HEIGHT	H=HEIGHT OF EMBANKMENT	W=TOP WIDTH OF EMBANKMENT
H (FT)	1.5	2.0
W (FT)	2.0	2.5
H (FT)	2.5	3.0
W (FT)	3.0	3.5
H (FT)	3.5	4.0
W (FT)	4.0	4.5
H (FT)	4.5	5.0
W (FT)	5.0	5.5



DiPrete Engineering

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tel 401-943-1000 fax 401-943-6006 www.DiPrete-Eng.com

Engineers • Planners • Surveyors

ERIC M. PRIVE

No. 8662

REGISTERED PROFESSIONAL ENGINEER CIVIL

No.	Date	By	Description
1	8/17/2022	R.B.S.	RISESC Comments
2	8/17/2022	R.B.S.	RISESC Resubmission
3	8/17/2022	R.B.S.	RISESC Comments
4	8/17/2022	R.B.S.	RISESC Resubmission
5	8/17/2022	R.B.S.	RISESC Comments
6	8/17/2022	R.B.S.	RISESC Resubmission

Design By: R.B.S.

SESS Plan

Fieldstone Farms

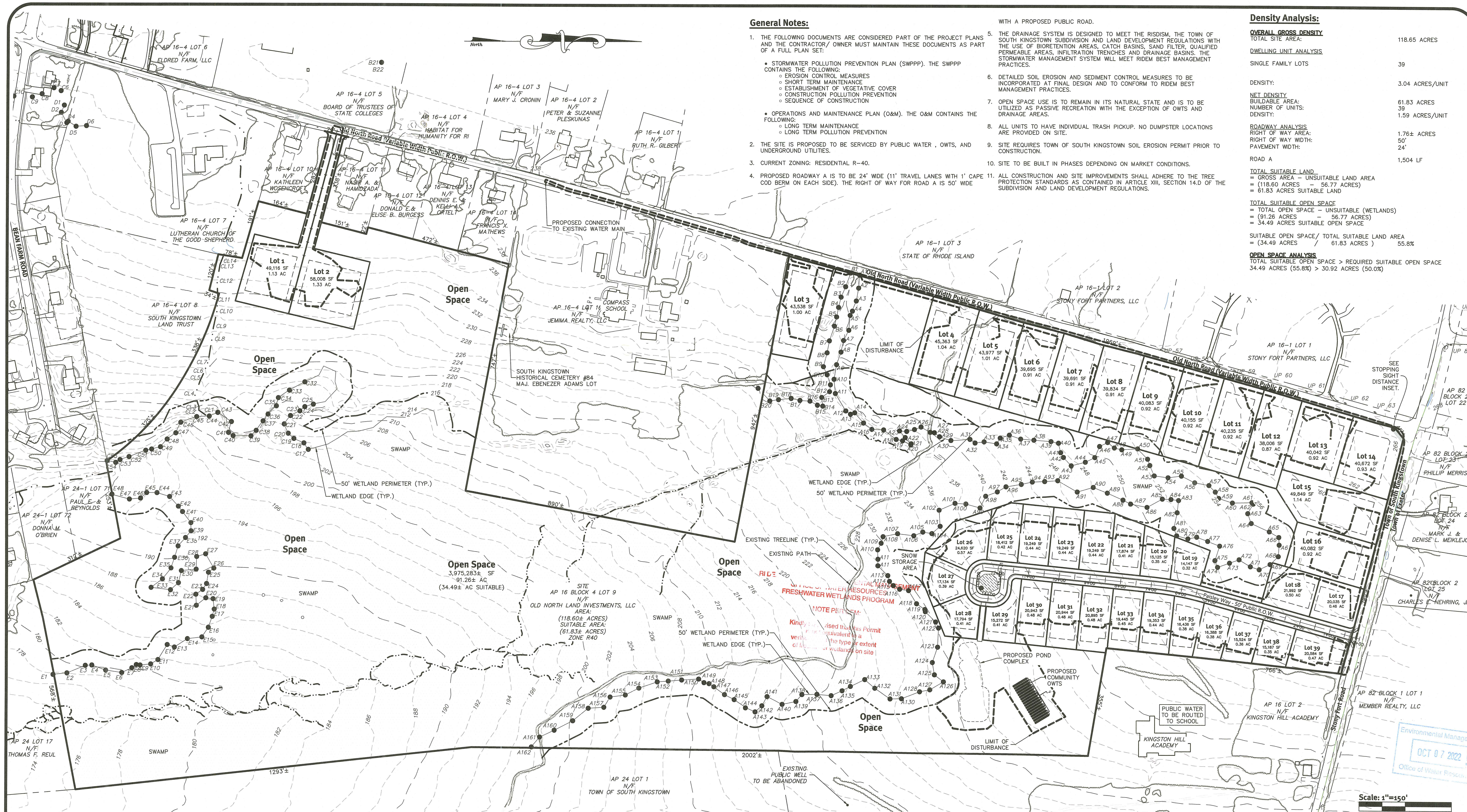
Assessor's Plat 16-4, Lot 9
South Kingstown, Rhode Island

Prepared for
Old North Land Investments LLC

75 Lambert Lind Highway
Warwick, Rhode Island 02886

DE Job No: 0161-184 Copyright 2022 by DiPrete Engineering Associates, Inc.

SHEET 4 OF 16



General Notes:

- THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
 - STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP CONTAINS THE FOLLOWING:
 - EROSION CONTROL MEASURES
 - SHORT TERM MAINTENANCE
 - ESTABLISHMENT OF VEGETATIVE COVER
 - CONSTRUCTION POLLUTION PREVENTION
 - SEQUENCE OF CONSTRUCTION
 - OPERATIONS AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS THE FOLLOWING:
 - LONG TERM MAINTENANCE
 - LONG TERM POLLUTION PREVENTION
- THE SITE IS PROPOSED TO BE SERVICED BY PUBLIC WATER, OWTS, AND UNDERGROUND UTILITIES.
- CURRENT ZONING: RESIDENTIAL R-40.
- PROPOSED ROADWAY A IS TO BE 24' WIDE (11' TRAVEL LANES WITH 1' CAPE COD BERM ON EACH SIDE). THE RIGHT OF WAY FOR ROAD A IS 50' WIDE WITH A PROPOSED PUBLIC ROAD.
- THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE RISIDSM. THE TOWN OF SOUTH KINGSTOWN SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF BIRETENTION AREAS, CATCH BASINS, SAND FILTER, QUALIFIED PERMEABLE AREAS, INFILTRATION TRENCHES AND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM WILL MEET RIDEM BEST MANAGEMENT PRACTICES.
- DETAILED SOIL EROSION AND SEDIMENT CONTROL MEASURES TO BE INCORPORATED AT FINAL DESIGN AND TO CONFORM TO RIDEM BEST MANAGEMENT PRACTICES.
- OPEN SPACE USE IS TO REMAIN IN ITS NATURAL STATE AND IS TO BE UTILIZED AS PASSIVE RECREATION WITH THE EXCEPTION OF OWTS AND DRAINAGE AREAS.
- ALL UNITS TO HAVE INDIVIDUAL TRASH PICKUP. NO DUMPSTER LOCATIONS ARE PROVIDED ON SITE.
- SITE REQUIRES TOWN OF SOUTH KINGSTOWN SOIL EROSION PERMIT PRIOR TO CONSTRUCTION.
- SITE TO BE BUILT IN PHASES DEPENDING ON MARKET CONDITIONS.
- ALL CONSTRUCTION AND SITE IMPROVEMENTS SHALL ADHERE TO THE TREE PROTECTION STANDARDS AS CONTAINED IN ARTICLE XIII, SECTION 14.D OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.

Density Analysis:

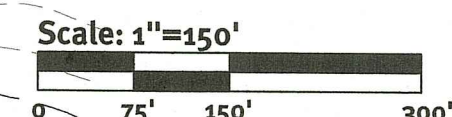
OVERALL GROSS DENSITY	118.65 ACRES
OVERALL GROSS DENSITY	118.65 ACRES
DWELLING UNIT ANALYSIS	39
SINGLE FAMILY LOTS	39
DENSITY:	3.04 ACRES/UNIT
NET DENSITY	61.83 ACRES
BUILDABLE AREA:	39
NUMBER OF UNITS:	1.59 ACRES/UNIT
DENSITY:	1.76± ACRES
RIGHT OF WAY AREA:	50'
RIGHT OF WAY WIDTH:	24'
PAVEMENT WIDTH:	1,504 LF
ROAD A	1,504 LF
TOTAL SUITABLE LAND	
= GROSS AREA - UNSUITABLE LAND AREA	
= (118.60 ACRES - 56.77 ACRES)	
= 61.83 ACRES SUITABLE LAND	
TOTAL SUITABLE OPEN SPACE	
= TOTAL OPEN SPACE - UNSUITABLE (WETLANDS)	
= (91.26 ACRES - 56.77 ACRES)	
= 34.49 ACRES SUITABLE OPEN SPACE	
SUITABLE OPEN SPACE / TOTAL SUITABLE LAND AREA	55.8%
= (34.49 ACRES / 61.83 ACRES)	
OPEN SPACE ANALYSIS	
TOTAL SUITABLE OPEN SPACE > REQUIRED SUITABLE OPEN SPACE	
34.49 ACRES (55.8%) > 30.92 ACRES (50.0%)	

Dimensional Regulations:

CURRENT ZONING:	RESIDENTIAL R-40	RESIDENTIAL R-10
MINIMUM LOT AREA:	40,000 SF	10,000 SF
MINIMUM FRONTAGE AND LOT WIDTH:	150'	80'
MINIMUM FRONT YARD:	40'	25'
MINIMUM CORNER SIDE YARD:	30'	20'
MINIMUM SIDE YARD:	20'	10'
MINIMUM REAR YARD:	40'	30'
MAXIMUM STRUCTURE HEIGHT:	35'	35'
MAXIMUM LOT BUILDING COVERAGE:	20%	25%

Legend:

ASSESSOR'S LINES	SOIL IDENTIFICATION	SOIL EVALUATIONS 2009 RIDEM VERIFIED
PROPERTY LINE	EXISTING STONEWALL	SOIL EVALUATIONS 2007 RIDEM VERIFIED
SOIL BOUNDARY LINE	EXISTING BUILDING	SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED
WETLAND EDGE	EXISTING UTILITY POLE	
100' RIVERBANK WETLAND	EXISTING MAJOR CONTOUR	
50' PERIMETER WETLAND	EXISTING MINOR CONTOUR	
200' RIVERBANK WETLAND	AP	
EXISTING TREELINE	UP	
EXISTING STREAM	N/F	
EXISTING FENCE	WETLAND FLAG	
	WETLAND HATCH	



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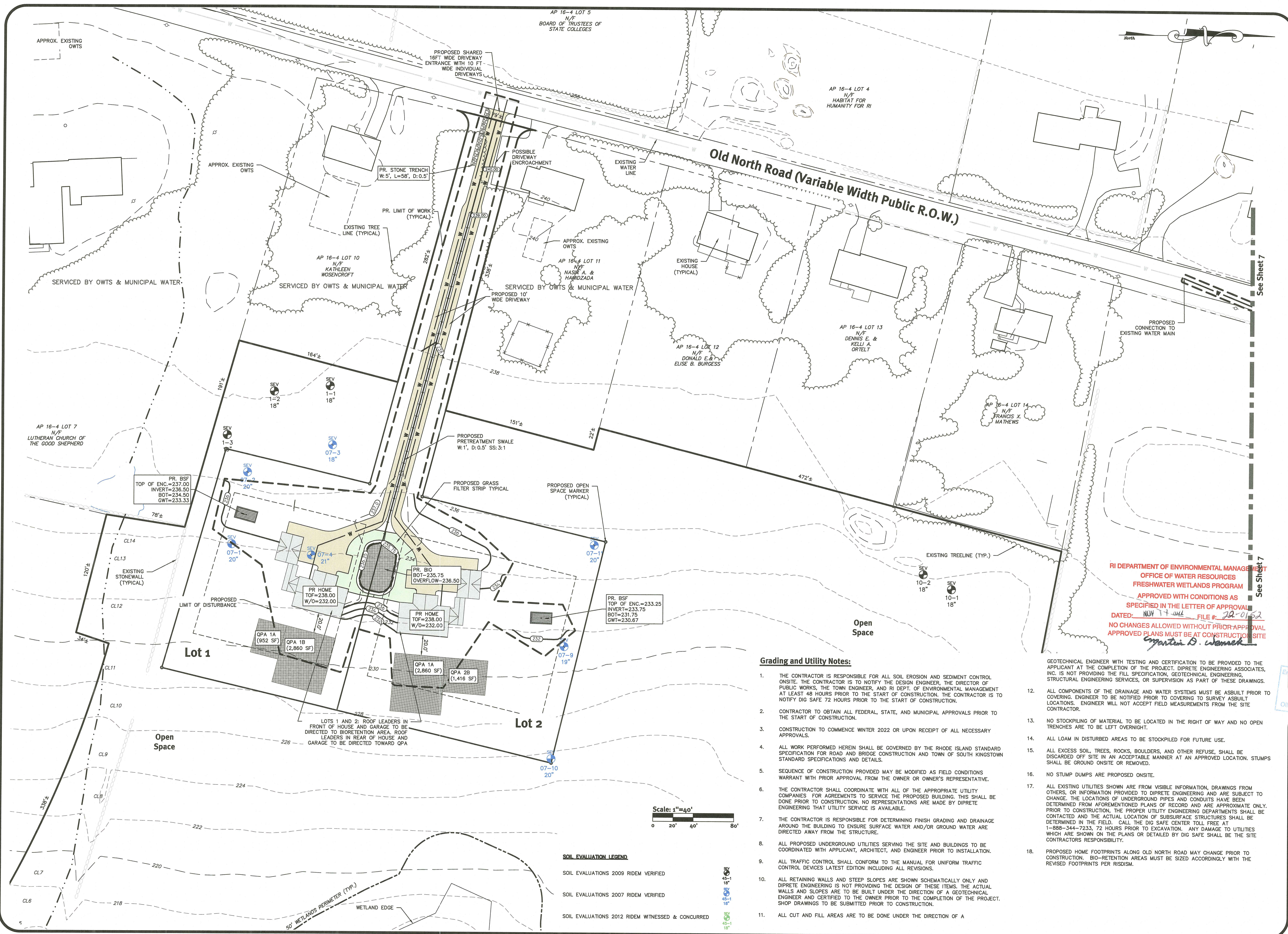
ERIC M. PRIVE
 No. 8662
 REGISTERED PROFESSIONAL ENGINEER CIVIL

No.	Date	Description	By:
1	03/16/2022	PRELIMINARY COMMENTS	
2	03/24/2022	FINAL SUBMISSION	
3	04/29/2022	FINAL SUBMISSION	
4	05/02/2022	FINAL SUBMISSION	
5	05/02/2022	FINAL SUBMISSION	

Design By: R.B.S.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAY 17 2022 FILE #: 22-0152
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Overall Plan
Fieldstone Farms
 Assessor's Plat 16-4, Lot 9
 South Kingstown, Rhode Island
 Prepared for
Old North Land Investments LLC
 75 Lambert Lind Highway
 Warwick, Rhode Island 02886
 DE Job No. 0261-184 Copyright 2022 by DiPrete Engineering Associates, Inc.



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 OFFICE OF WATER RESOURCES
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Stephen D. Wamash

Grading and Utility Notes:

- THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON-SITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY DIG SAFE 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
- CONSTRUCTION TO COMMENCE WINTER 2022 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF SOUTH KINGSTOWN STANDARD SPECIFICATIONS AND DETAILS.
- SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS SHALL BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE BUILDING TO ENSURE SURFACE WATER AND/OR GROUND WATER ARE DIRECTED AWAY FROM THE STRUCTURE.
- ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SITE AND BUILDINGS TO BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION INCLUDING ALL REVISIONS.
- ALL RETAINING WALLS AND STEEP SLOPES ARE SHOWN SCHEMATICALLY ONLY AND DIPRETE ENGINEERING IS NOT PROVIDING THE DESIGN OF THESE ITEMS. THE ACTUAL WALLS AND SLOPES ARE TO BE BUILT UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER AND CERTIFIED TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT. SHOP DRAWINGS TO BE SUBMITTED PRIOR TO CONSTRUCTION.
- ALL CUT AND FILL AREAS ARE TO BE DONE UNDER THE DIRECTION OF A
- ALL COMPONENTS OF THE DRAINAGE AND WATER SYSTEMS MUST BE ABSULT PRIOR TO COVERING. ENGINEER TO BE NOTIFIED PRIOR TO COVERING TO SURVEY ASBUILT LOCATIONS. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.
- NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
- ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
- ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ON-SITE OR REMOVED.
- NO STUMP DUMPS ARE PROPOSED ON-SITE.
- ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233, 72 HOURS PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTOR'S RESPONSIBILITY.
- PROPOSED HOME FOOTPRINTS ALONG OLD NORTH ROAD MAY CHANGE PRIOR TO CONSTRUCTION. BIO-RETENTION AREAS MUST BE SIZED ACCORDINGLY WITH THE REVISED FOOTPRINTS PER RISIDM.

SOIL EVALUATION LEGEND
 SOIL EVALUATIONS 2009 RIDEM VERIFIED
 SOIL EVALUATIONS 2007 RIDEM VERIFIED
 SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED

S.R.	DATE	DESCRIPTION	BY:
1	10/27/2022	RISIDM Response to Comments	R.B.S.
2	11/17/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
3	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
4	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
5	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
6	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
7	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
8	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
9	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
10	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
11	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
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13	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
14	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
15	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
16	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
17	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.
18	12/02/2022	RI DEPT. OF ENVIRONMENTAL MGMT. COMMENTS	R.B.S.

See Sheet 6

North

SOIL EVALUATION LEGEND

SOIL EVALUATIONS 2009 RIDEM VERIFIED

SOIL EVALUATIONS 2007 RIDEM VERIFIED

SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED



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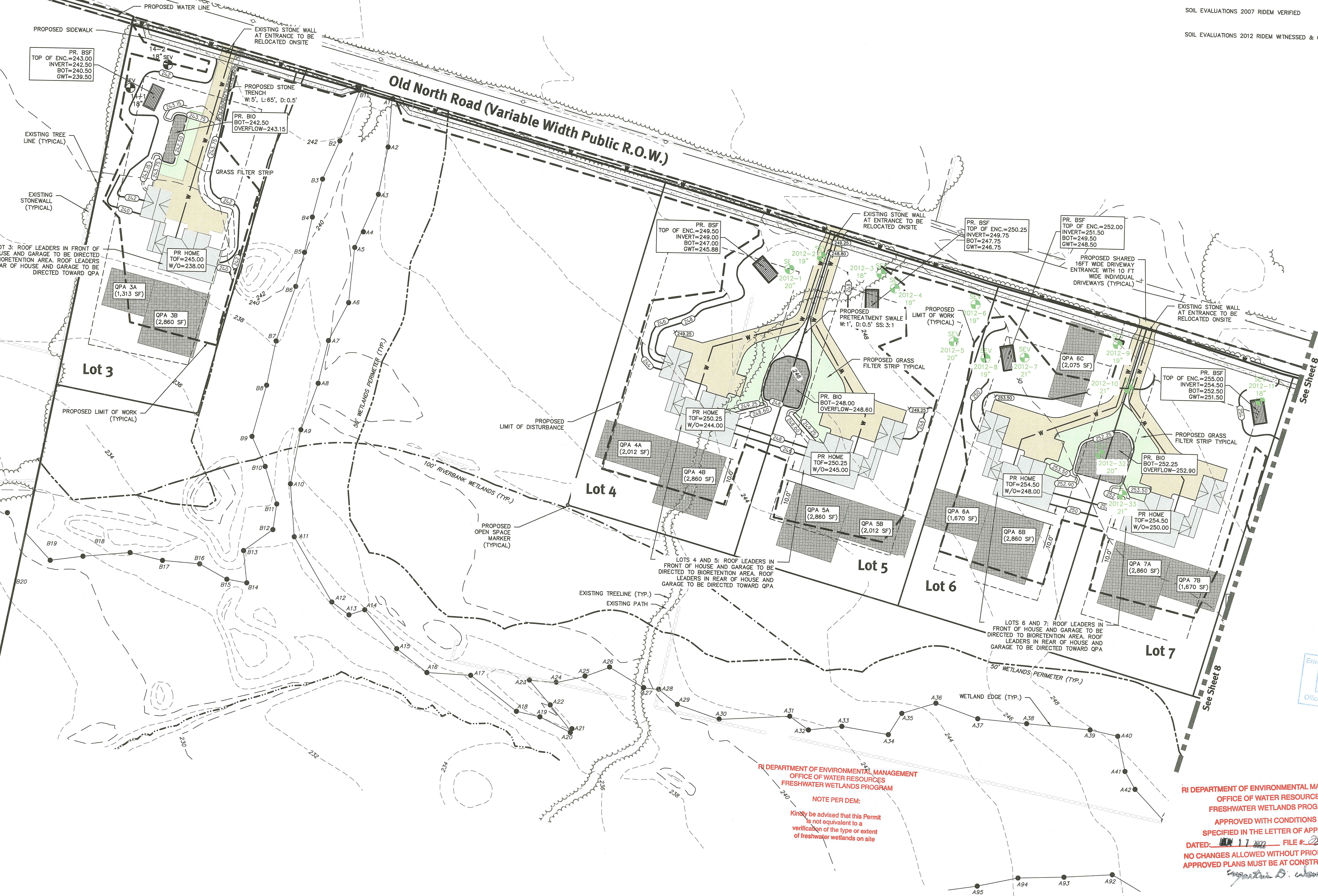
ERIC M. PRIVE

No. 8662

REGISTERED PROFESSIONAL ENGINEER CIVIL

No.	Date	Description	By
1	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
2	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
3	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
4	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
5	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
6	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
7	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
8	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
9	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR
10	10/02/2022	RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	BR

Design By: R.B.S.



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: 10/17/2022 FILE #: 22-0152

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[Signature]

Environmental Management
OCT 07 2022
Office of Water Resources

Scale: 1"=40'

0 20' 40' 80'

Grading Plan - 2

Fieldstone Farms

Assessor's Plat 16-4, Lot 9
South Kingstown, Rhode Island

Prepared for:
Old North Land Investments LLC
78 Lambert Highway
Wanwick, Rhode Island 02886

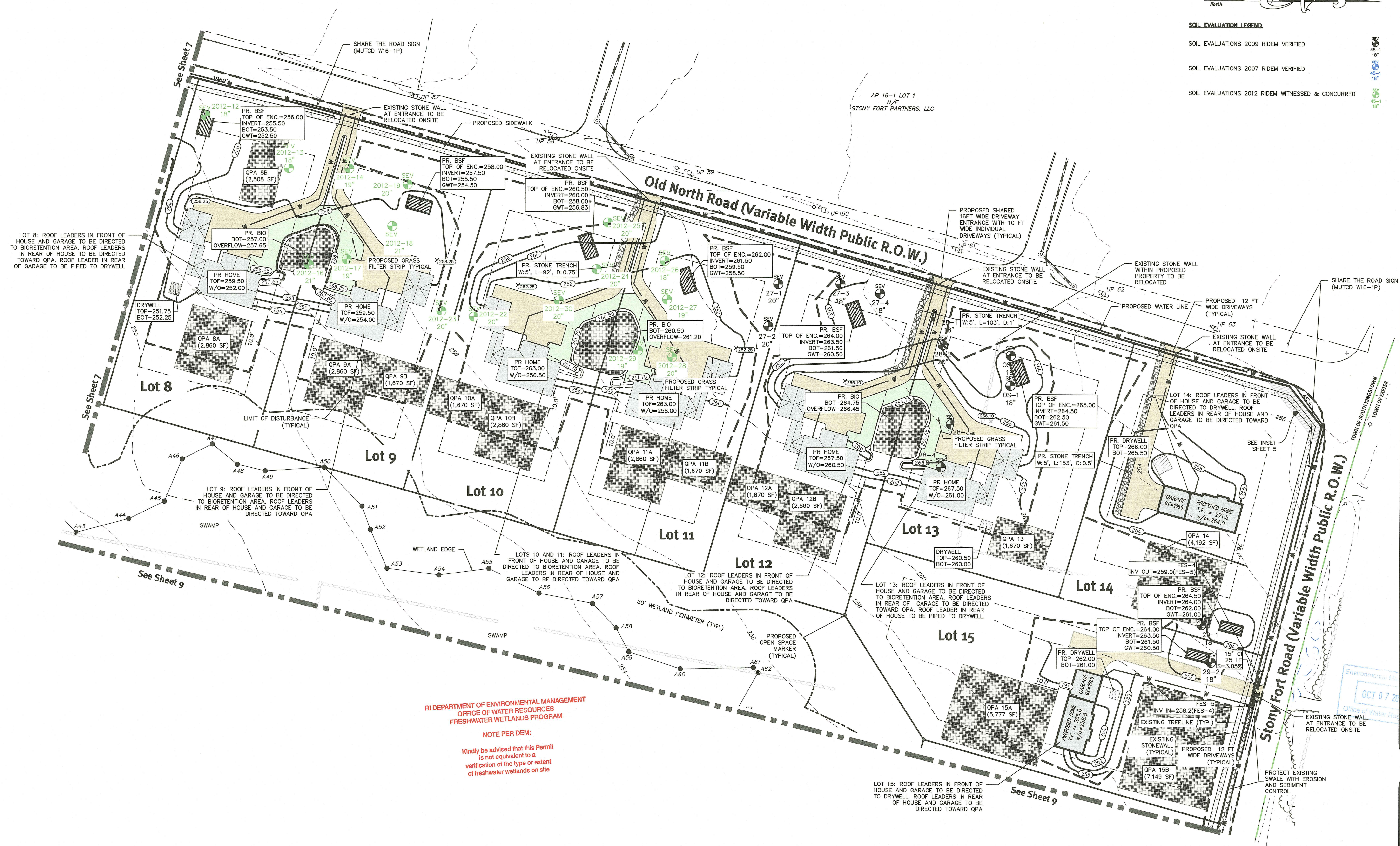
DE Job No: 0161-134 Copyright 2022 by DiPrete Engineering Associates, Inc.

SOIL EVALUATION LEGEND

SOIL EVALUATIONS 2009 RIDEM VERIFIED

SOIL EVALUATIONS 2007 RIDEM VERIFIED

SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED



**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM**

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**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM**

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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Scale: 1"=40'

0 20' 40' 80'

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ERIC M. DRIVE

No. 8662

REGISTERED PROFESSIONAL ENGINEER CIVIL

No.	Date	Description	By:	Check:
1	10/16/2022	RI DEMA Response to Comments	S.R.B.	
2	10/24/2022	RI DEMA Res. Submission	S.R.B.	
3	10/24/2022	RI DEMA Res. Submission	D.M.P.	
4	10/24/2022	RI DEMA Res. Submission	D.M.P.	
5	10/24/2022	RI DEMA Res. Submission	D.M.P.	

Design By: R.B.S.

Grading Plan - 3

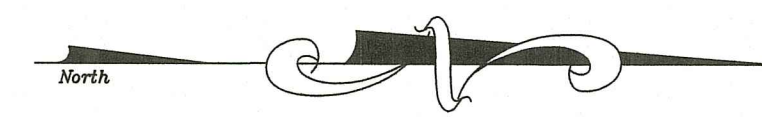
Fieldstone Farms

Assessor's Plat 16-4, Lot 9
South Kingstown, Rhode Island

Old North Land Investments LLC

75 Lumbert Unit Highway
Warwick, Rhode Island 02886

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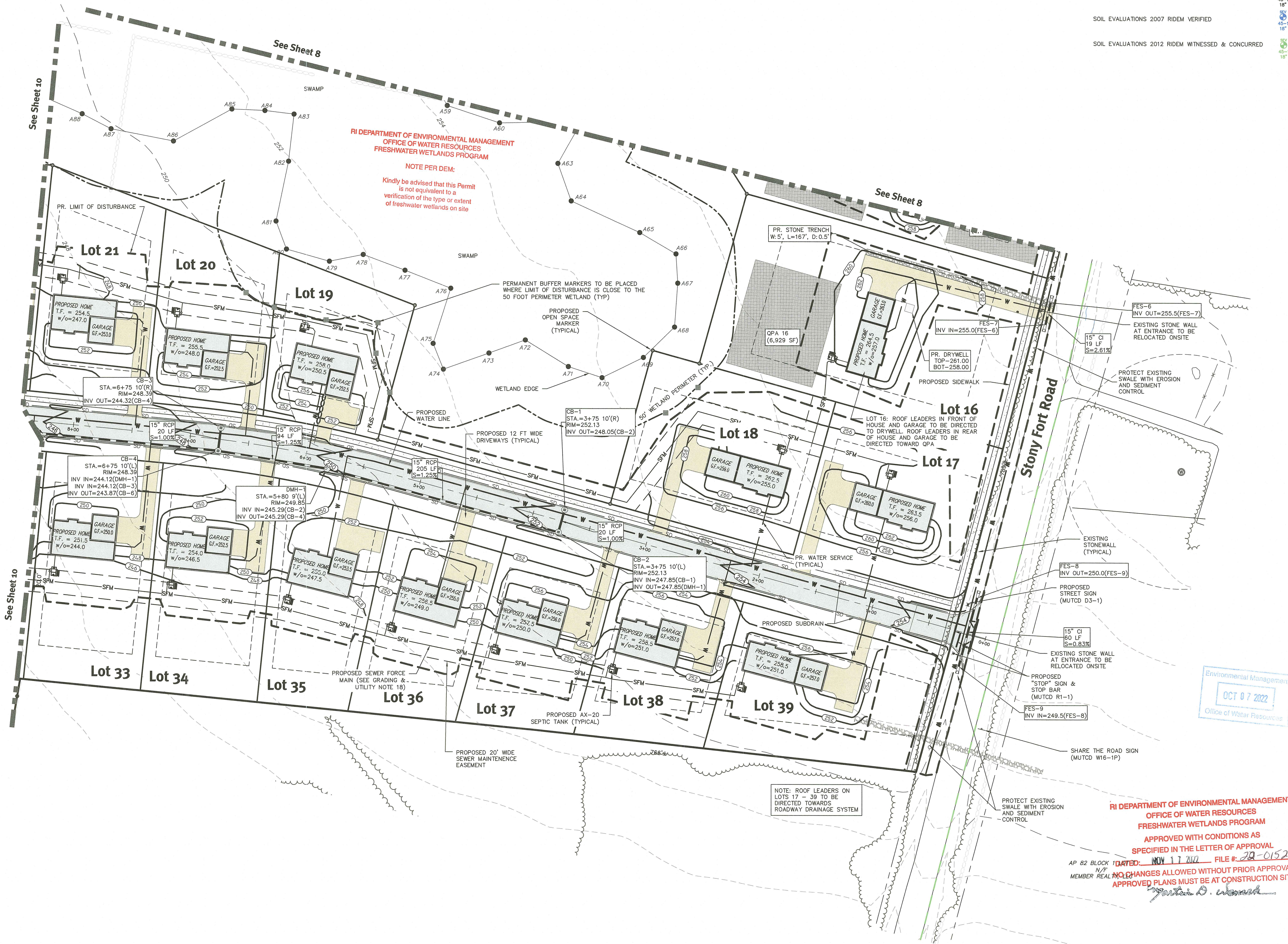


SOIL EVALUATION LEGEND

SOIL EVALUATIONS 2009 RIDEM VERIFIED

SOIL EVALUATIONS 2007 RIDEM VERIFIED

SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED

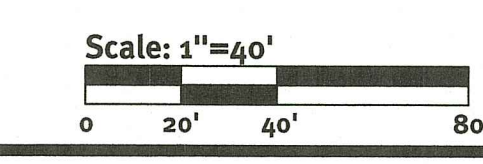


See Sheet 10

See Sheet 10

See Sheet 8

See Sheet 8



DIPrete Engineering

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ERIC M. DRIVE
No. 8662
REGISTERED PROFESSIONAL ENGINEER CIVIL

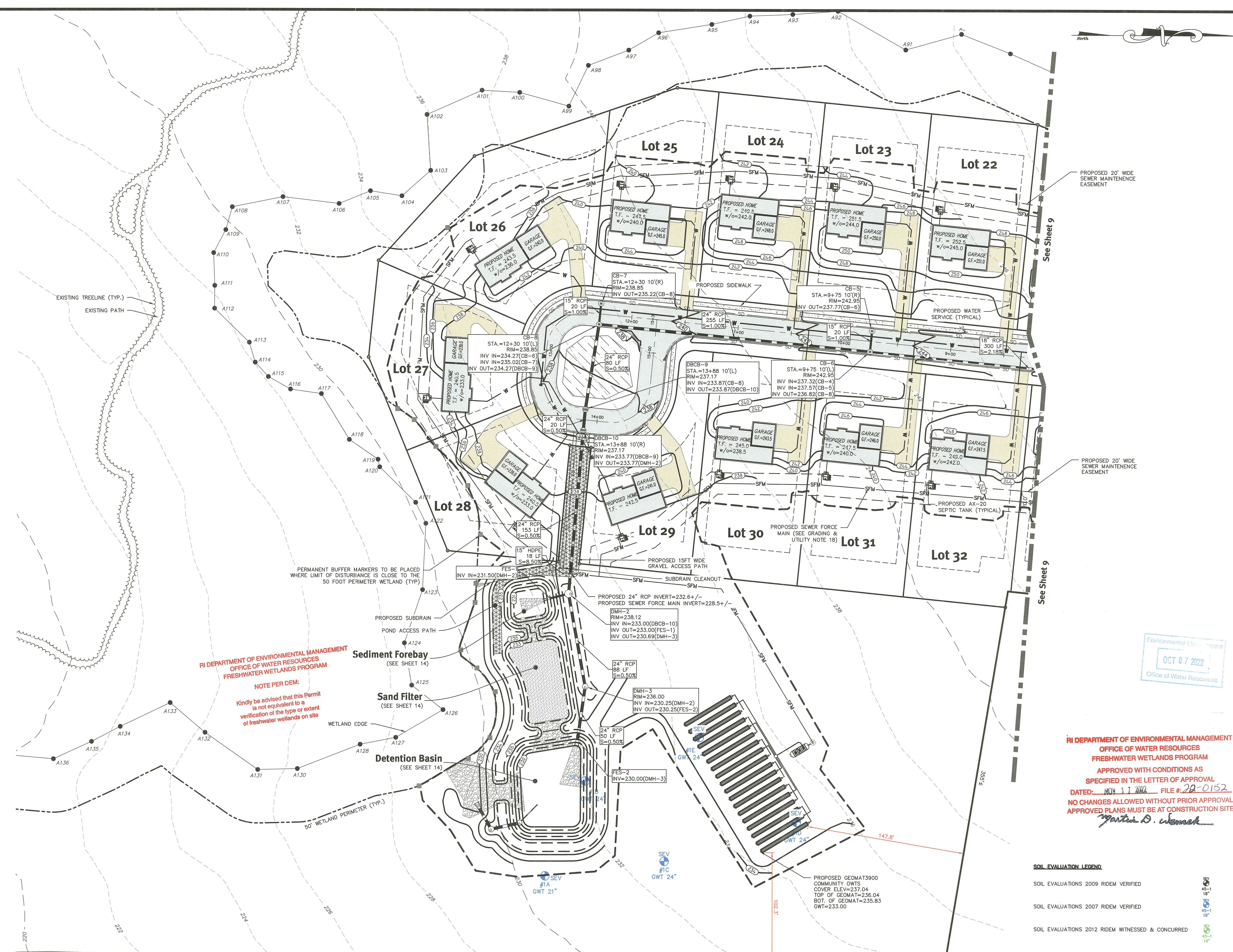
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2	10/13/2022	RI DEPT. OF ENVIRONMENTAL MANAGEMENT COMMENTS	
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4	10/17/2022	RI DEPT. OF ENVIRONMENTAL MANAGEMENT COMMENTS	
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79	12/31/2022	RI DEPT. OF ENVIRONMENTAL MANAGEMENT COMMENTS	
80	1/01/2023	RI DEPT. OF ENVIRONMENTAL MANAGEMENT COMMENTS	

**Grading Plan - 4
Fieldstone Farms**

Assessor's Plat 16-4, Lot 9
South Kingsdown, Rhode Island

Old North Land Investments LLC
75 Lambert Lind Highway
Warwick, Rhode Island 02886

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EXISTING TREELINE (TYP.)
EXISTING PATH

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM**

NOTE PER DEM:
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Sediment Forebay
(SEE SHEET 14)

Sand Filter
(SEE SHEET 14)

Detention Basin
(SEE SHEET 14)

PROPOSED 20' WIDE SEWER MAINTENANCE EASEMENT

PROPOSED 20' WIDE SEWER MAINTENANCE EASEMENT

PROPOSED 20' WIDE SEWER MAINTENANCE EASEMENT

Environmental Management
OCT 07 2022
Office of Water Resources

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM**

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: NOV 17 2022 FILE #: 22-0152

**NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

Yvonne D. Iwanick

SOIL EVALUATION LEGEND

SOIL EVALUATIONS 2009 RIDEM VERIFIED

SOIL EVALUATIONS 2007 RIDEM VERIFIED

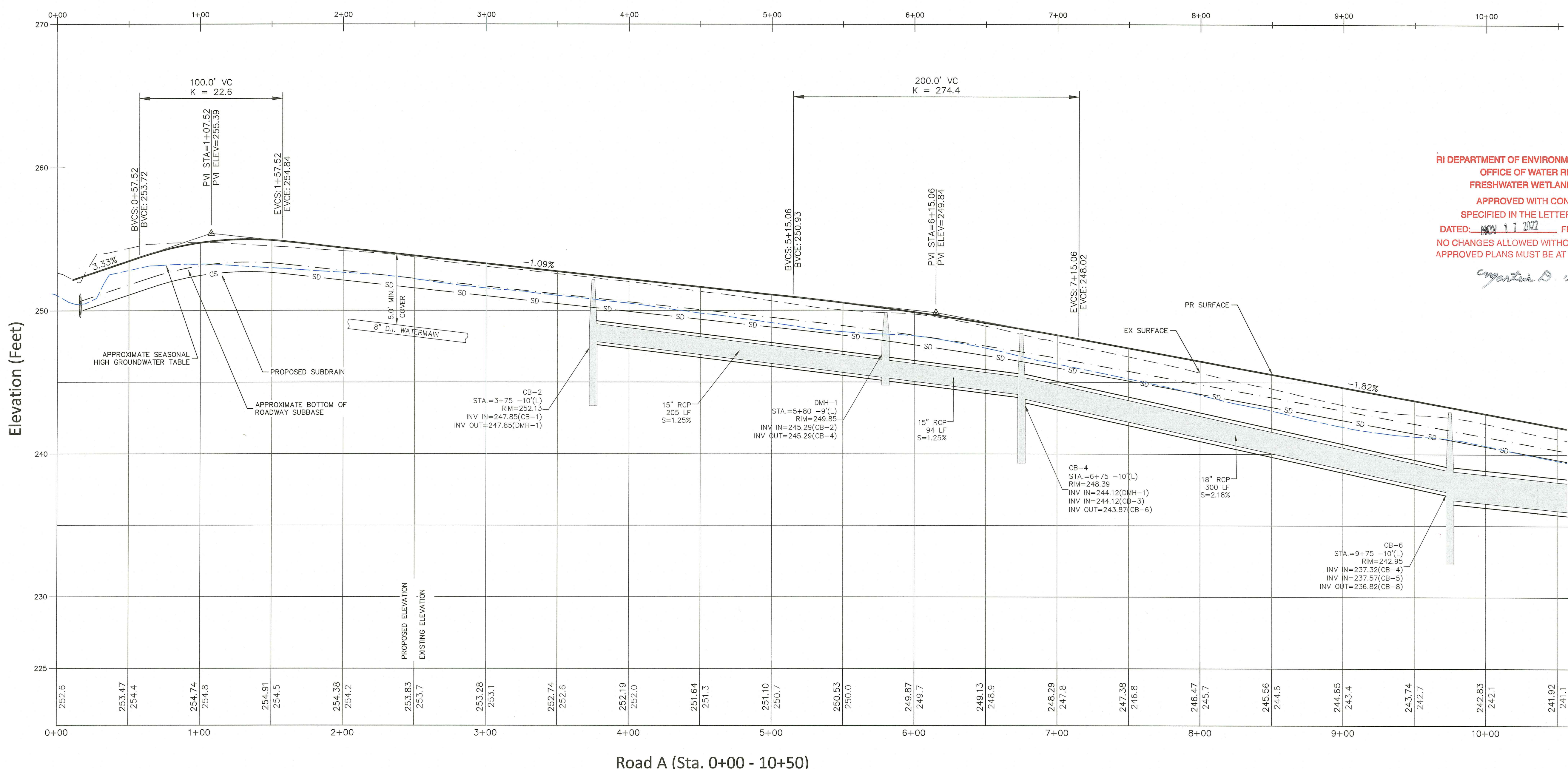
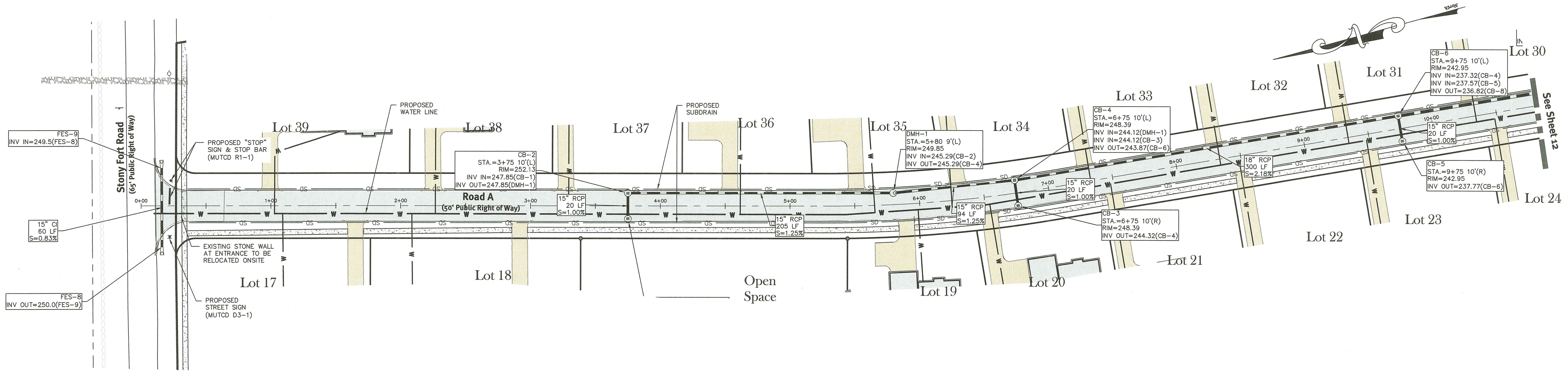
SOIL EVALUATIONS 2012 RIDEM WITNESSED & CONCURRED

Scale: 1"=40'

0 20' 40' 80'

No.	Date	Description	By:
1	10/16/2022	RIDEM Proposed for Comments	
2	10/17/2022	RIDEM Re-Submission	
3	10/17/2022	RIDEM Re-Submission	
4	10/17/2022	RIDEM Re-Submission	
5	10/17/2022	RIDEM Re-Submission	
6	10/17/2022	RIDEM Re-Submission	
7	10/17/2022	RIDEM Re-Submission	
8	10/17/2022	RIDEM Re-Submission	
9	10/17/2022	RIDEM Re-Submission	
10	10/17/2022	RIDEM Re-Submission	

Design By: R.B.S.



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Eric M. Drive

Environmental Management
 OCT 6 7 2022
 Office of Water Resources

No.	Date	Description	By
1	10/12/2022	BIDM Response to Comments	R.B.S.
2	8/21/2022	BIDM Re-submission	D.M.A.
3	07/27/23	BIDM Re-submission	D.M.A.
4	2-8-23	BIDM Re-submission	D.M.A.

Design By: R.B.S.

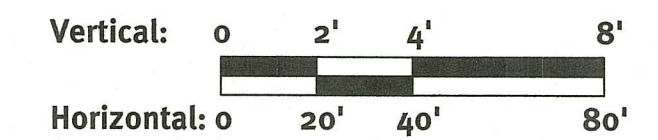
Plan & Profile - 1
 Fieldstone Farms

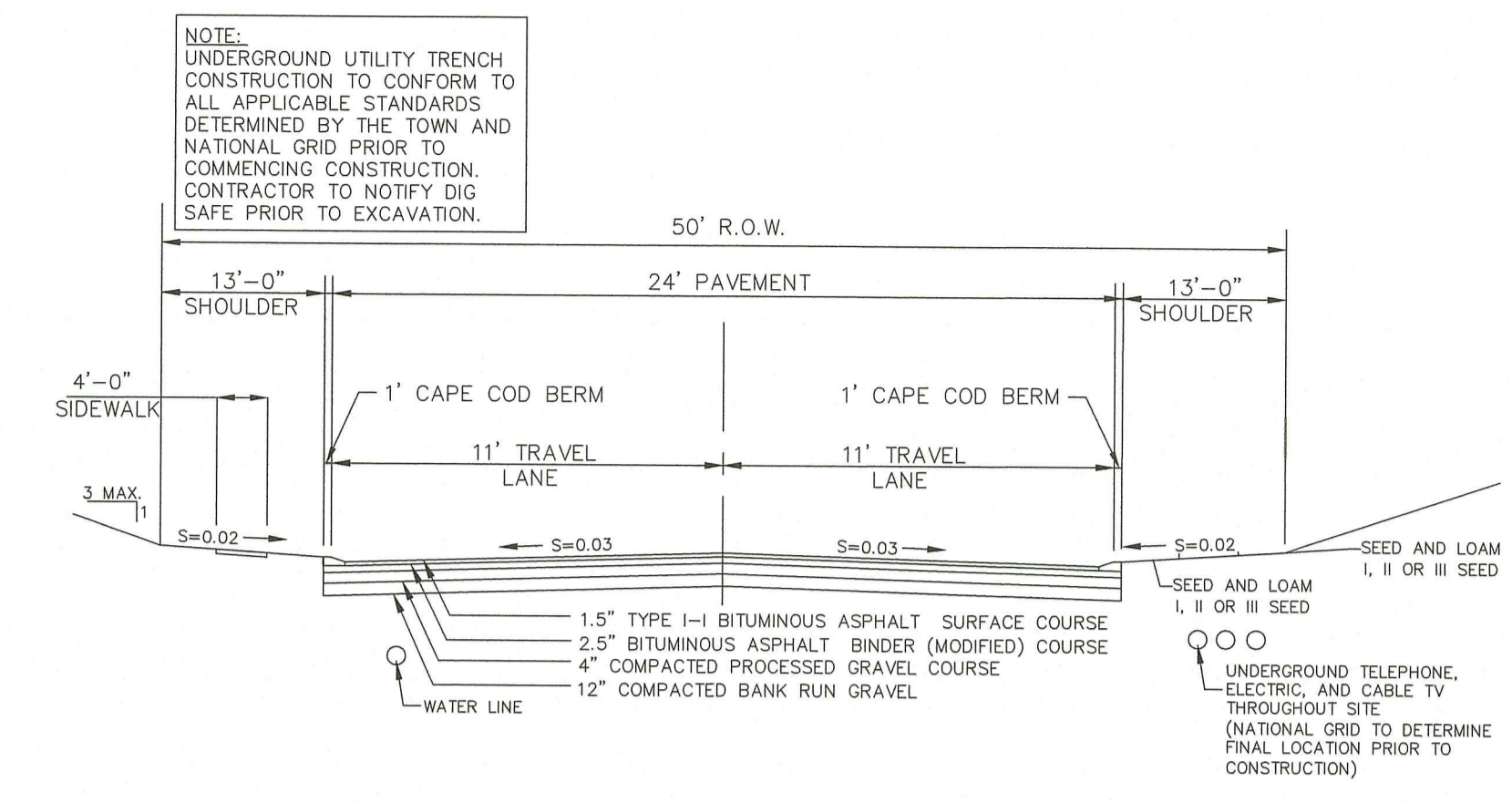
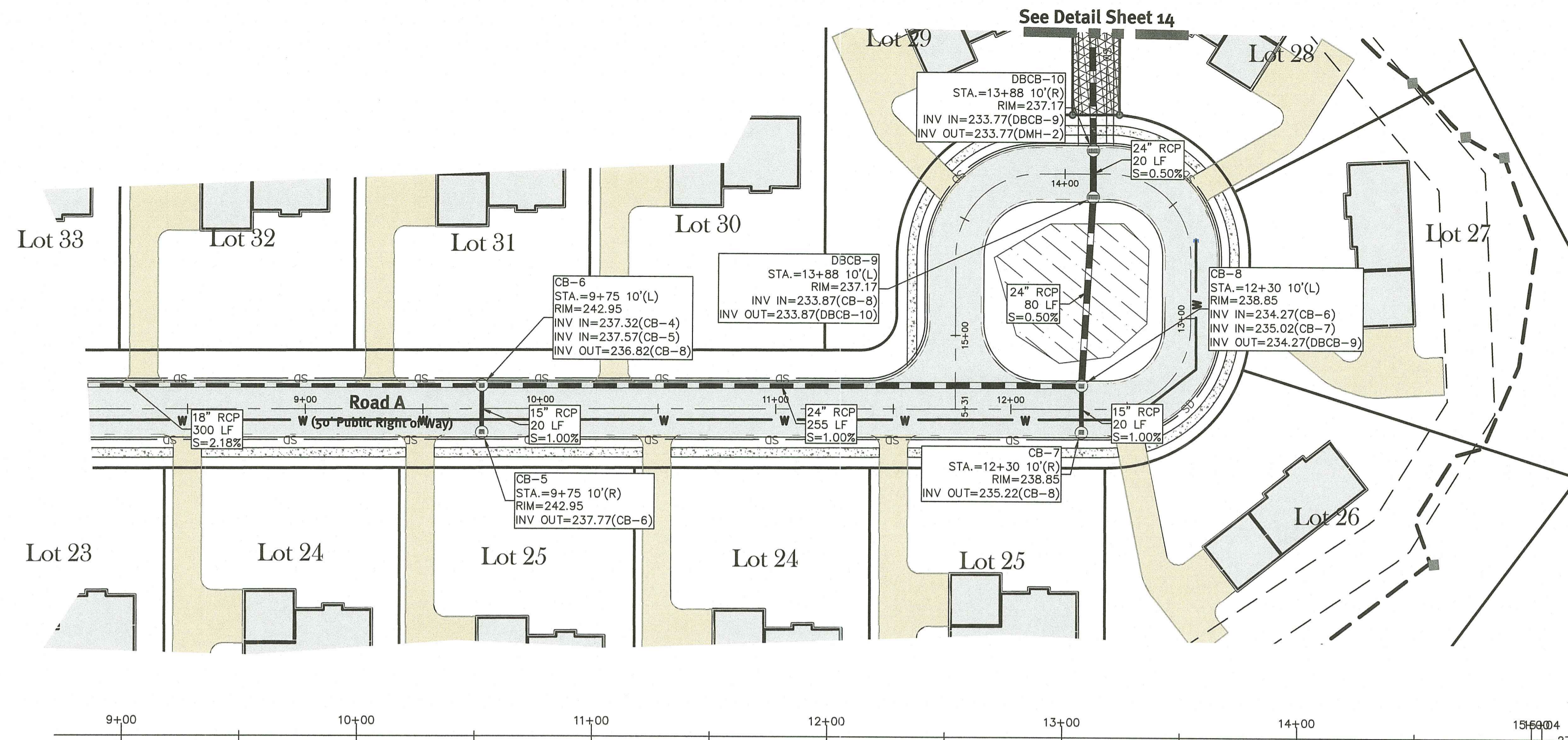
Assessor's Plat 16-4, Lot 9
 South Kingstown, Rhode Island
 Prepared for
 Old North Land Investments LLC
 75 Lambert Lind Highway
 Warwick, Rhode Island 02886

DiPrete Engineering
 Two Stafford Court, Cranston, RI 02920
 Tel: 401-943-1000 Fax: 401-646-6006 www.DiPrete-Eng.com

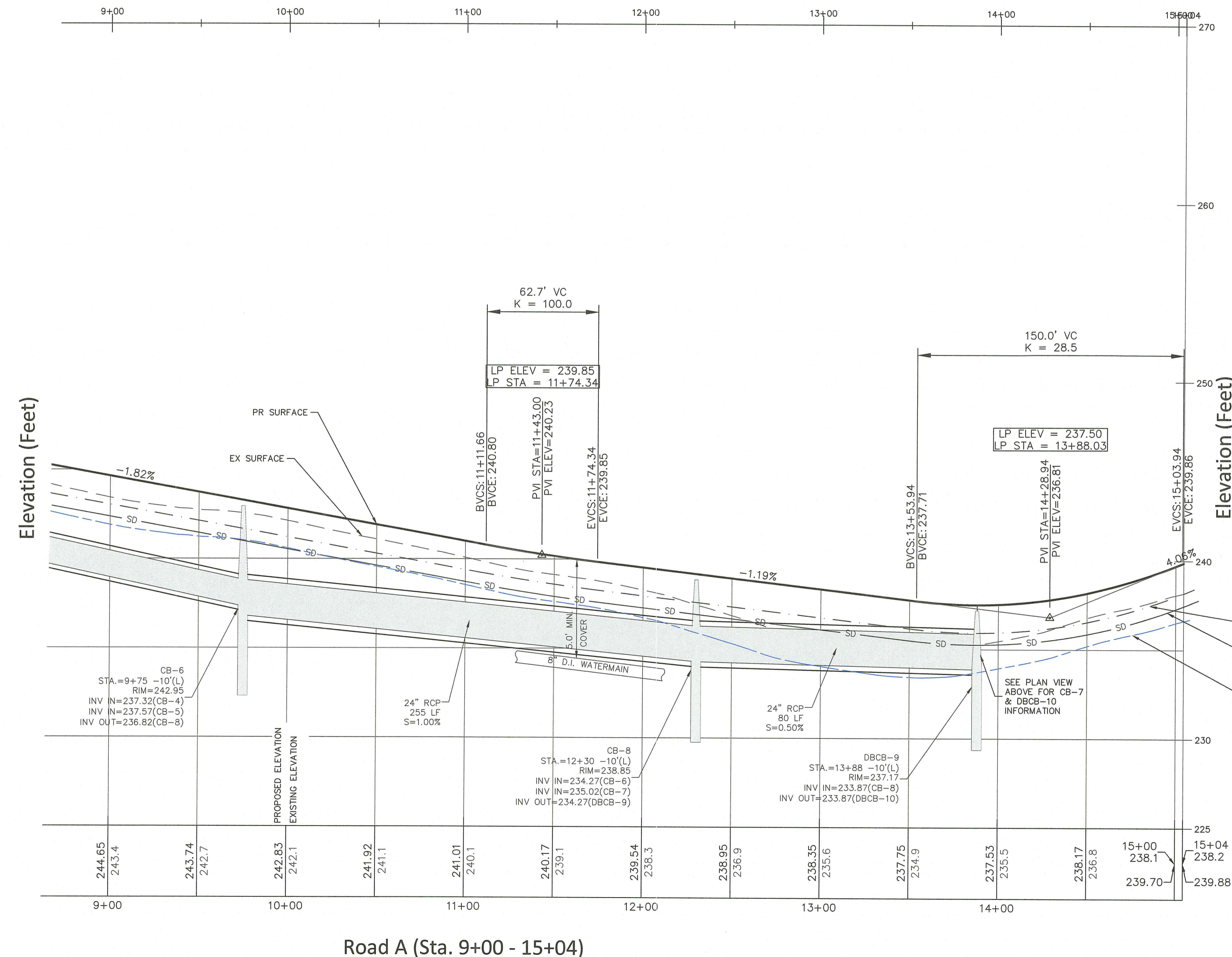
Engineers • Planners • Surveyors

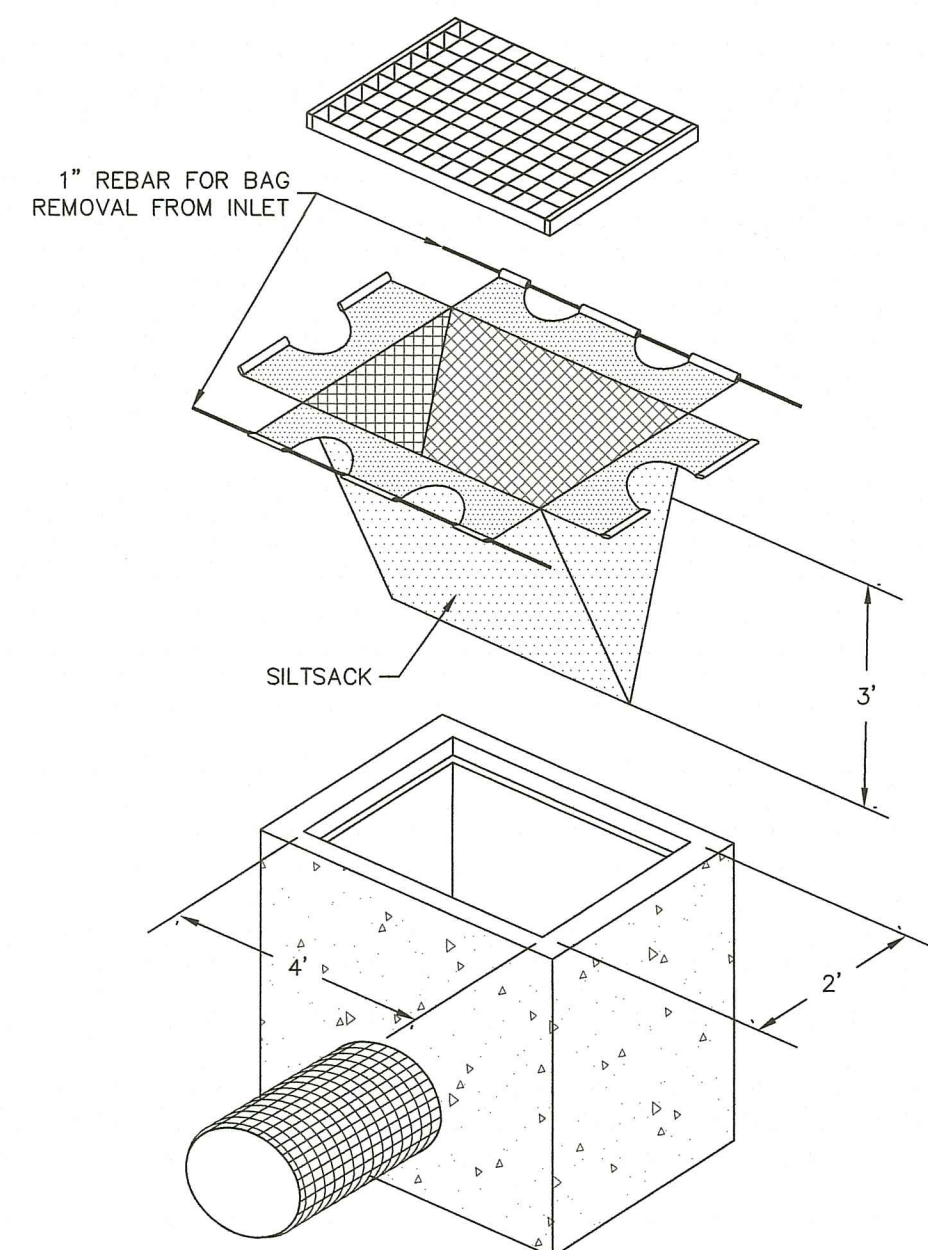
ERIC M. DRIVE
 No. 8662
 REGISTERED PROFESSIONAL ENGINEER CIVIL



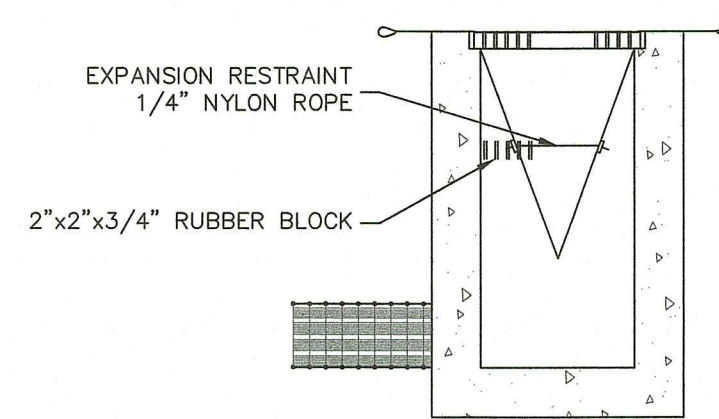


ROAD A CONSTRUCTION CROSS SECTION
NOT TO SCALE



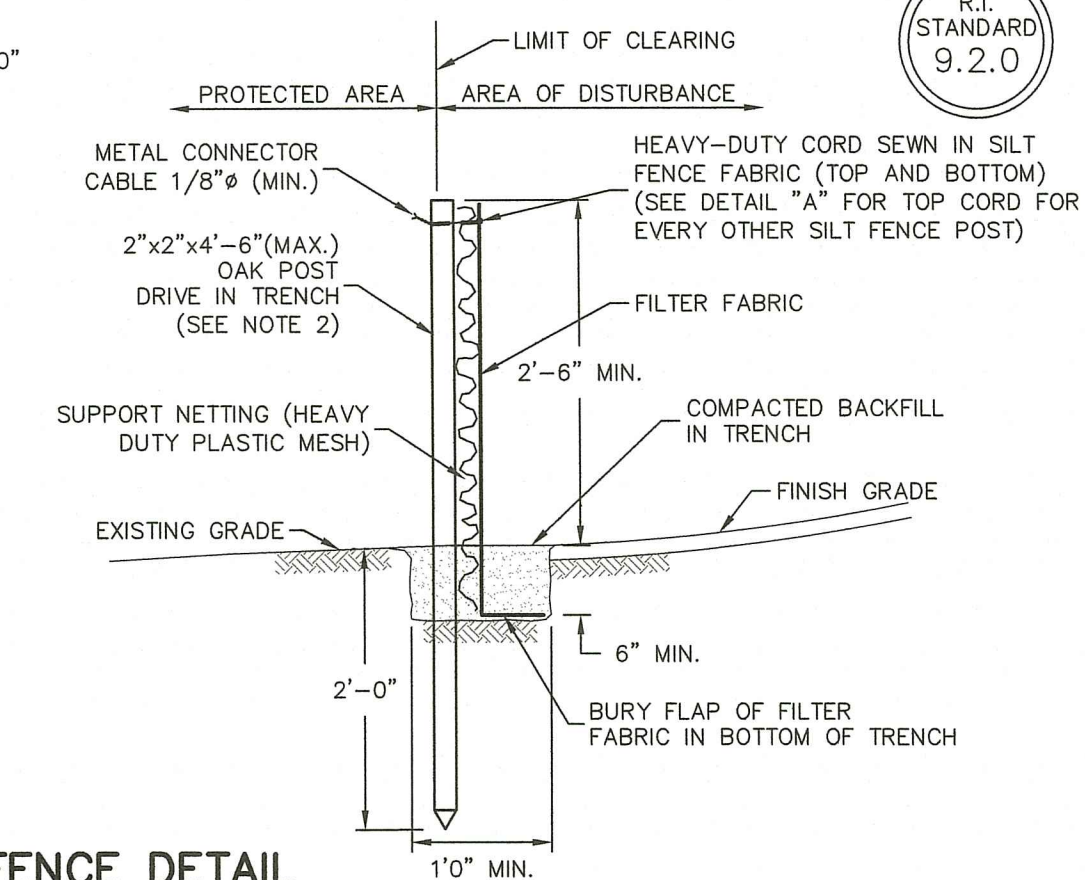
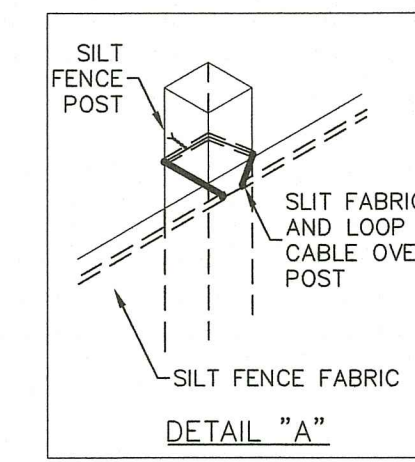


NOTE:
REGULAR FLOW=40 GAL./MIN./SF
HIGH FLOW=200 GAL./MIN./SF



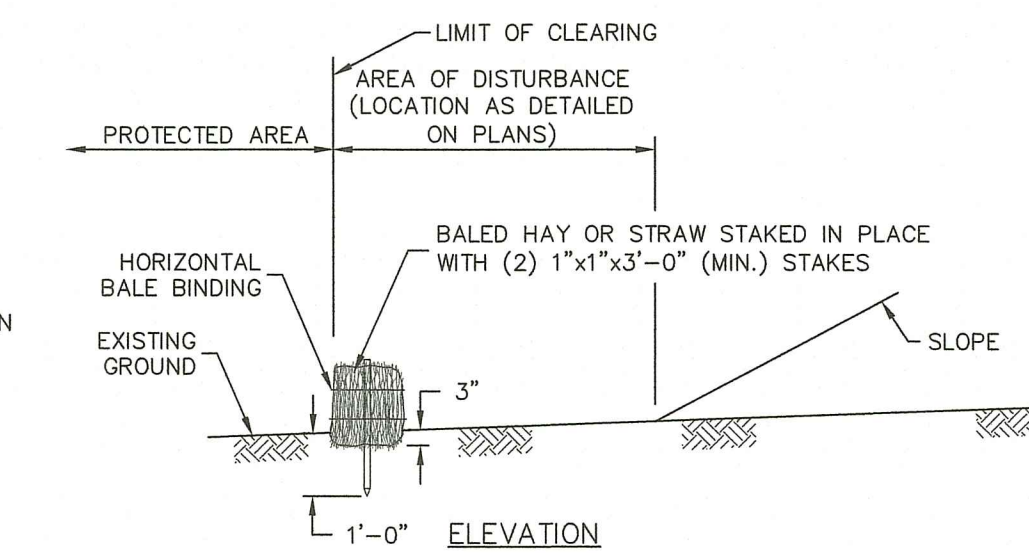
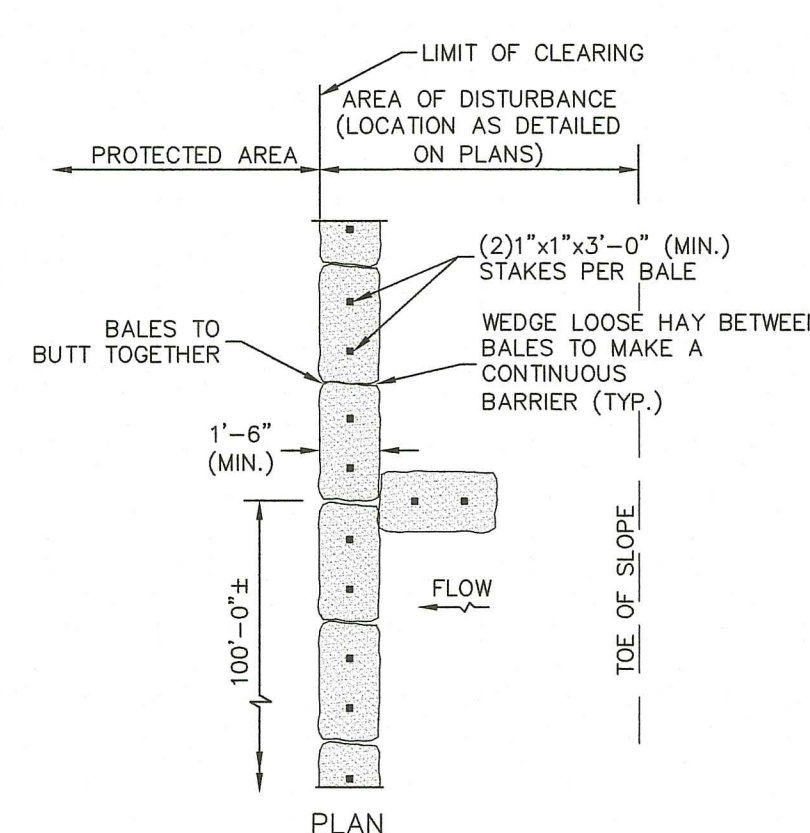
SILT SACK DETAIL
NOT TO SCALE

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x2"x4'-6" (MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4'-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



SILT FENCE DETAIL
NOT TO SCALE

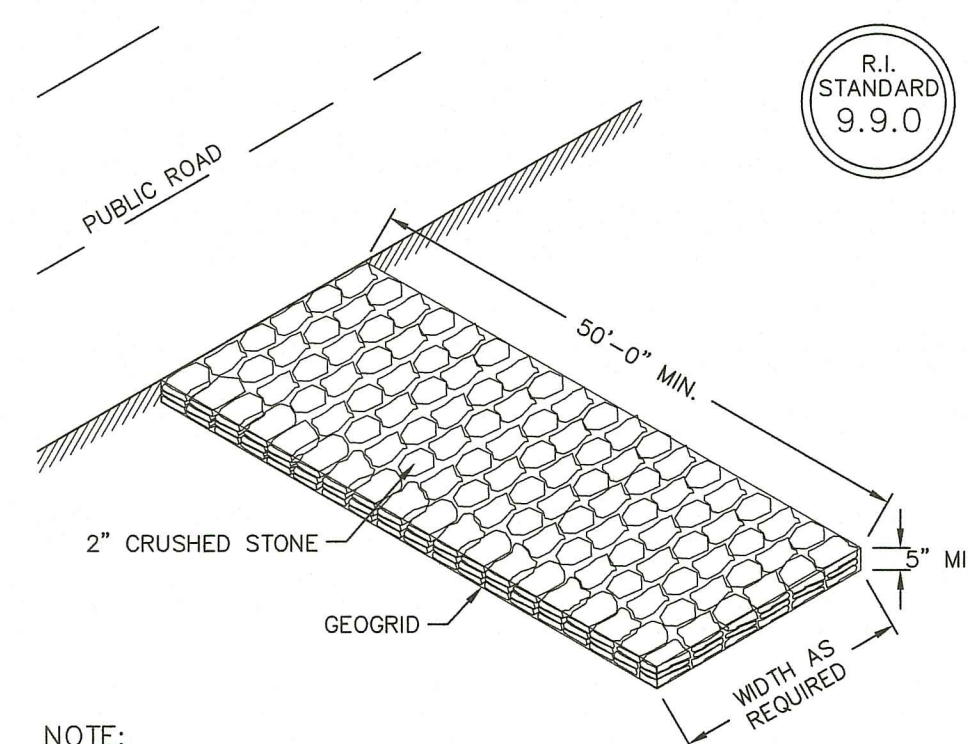
R.I. STANDARD 9.2.0



- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY FROM THE HIGHWAY EMBANKMENT AS CALLED FOR ON PLANS.
3. AT APPROXIMATE 100'-0" INTERVALS A BALE OF HAY IS TO BUTT PERPENDICULARLY.

BALED HAY EROSION CHECK
NOT TO SCALE

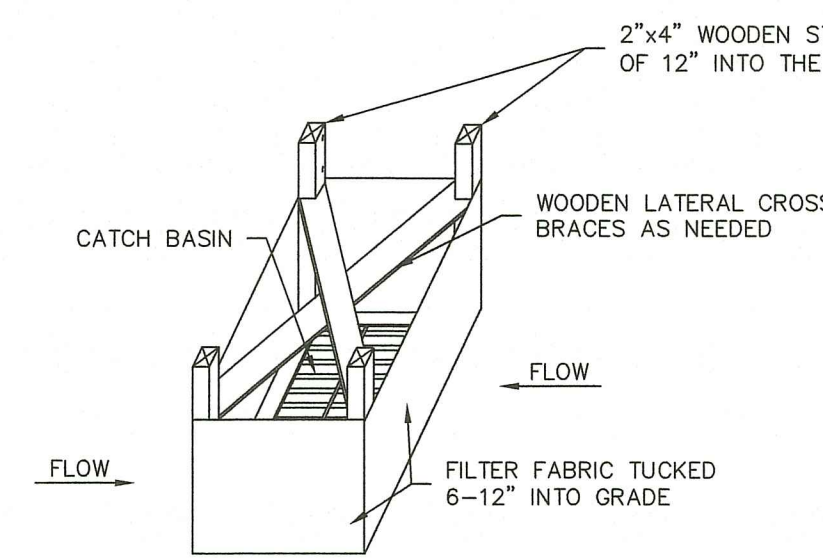
R.I. STANDARD 9.1.0



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

CONSTRUCTION ACCESS
NOT TO SCALE

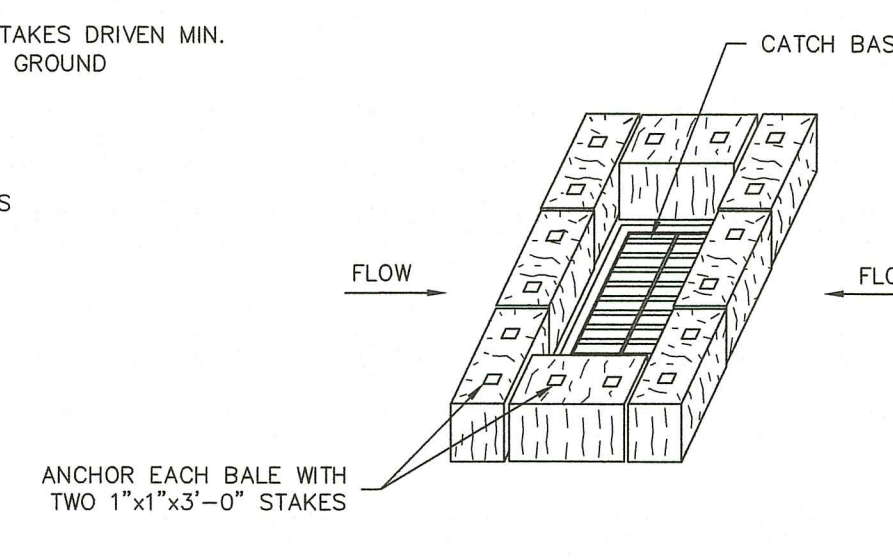
R.I. STANDARD 9.9.0



SILT FENCE INSTALLATION FOR CATCH BASINS AT LOW POINTS

- NOTES:
1. STORMWATER INLETS WHICH DO NOT DISCHARGE TO SEDIMENT TRAPS OR BASINS MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED.
2. SEDIMENT MUST BE REMOVED FROM INLET PROTECTION AFTER EACH STORM.
3. REFER TO LONG TERM/SHORT TERM MAINTENANCE NOTES FOR TIMING OF PLACEMENT AND REMOVAL OF EROSION CONTROL ELEMENTS.

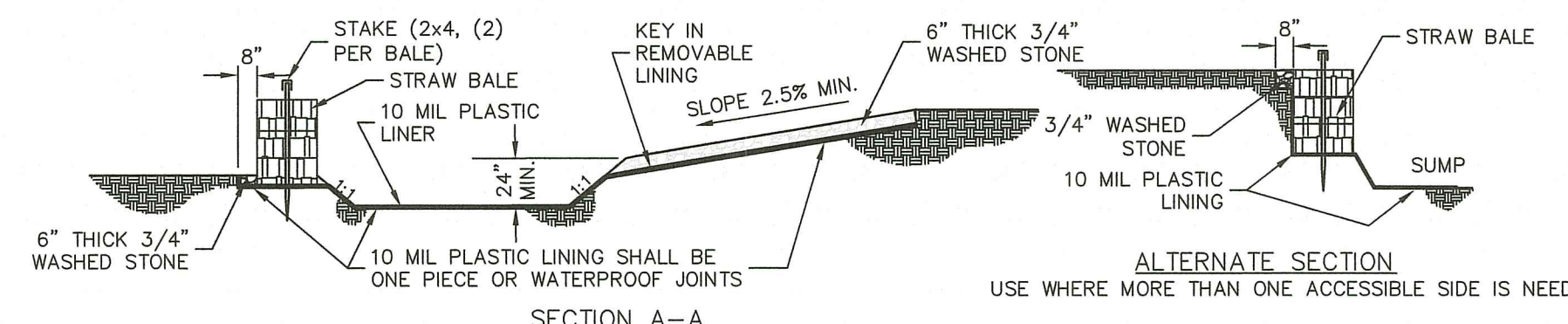
CATCH BASIN EROSION CONTROL
NOT TO SCALE



HAYBALE FILTER INSTALLATION FOR CATCH BASINS AT LOW POINTS

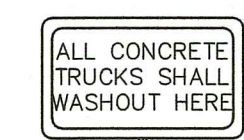
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: NOV 17 2022 FILE # 22-0152
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Christopher B. Warwick

No.	Date	Description	By:
1	10/26/2022	RIDEM Response to Comments	S.R.
2	11/17/2022	RIDEM Re-Submission	S.P.
3	12/29/22	RIDEM Re-Submission	D.M.
4	2/28/23	RIDEM Re-Submission	D.A.R.
5	2/28/23	RIDEM Re-Submission	D.A.R.

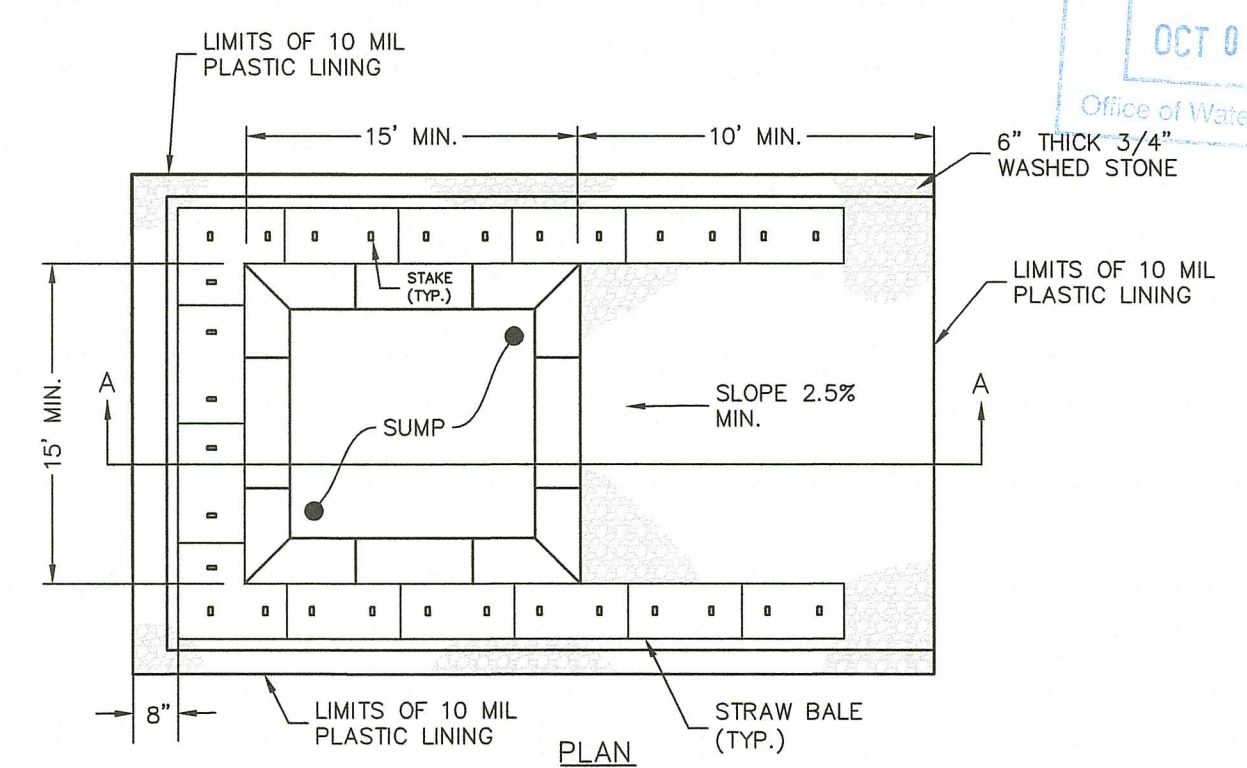


- NOTES:
1. PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
2. WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.
3. FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
4. FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
5. SAW CUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT & GRINDING TO BE DISPOSED OF IN THE PIT.
6. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, & SURFACE WATERS.
7. MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.

CONCRETE WASHOUT AREA
(NOT TO SCALE)



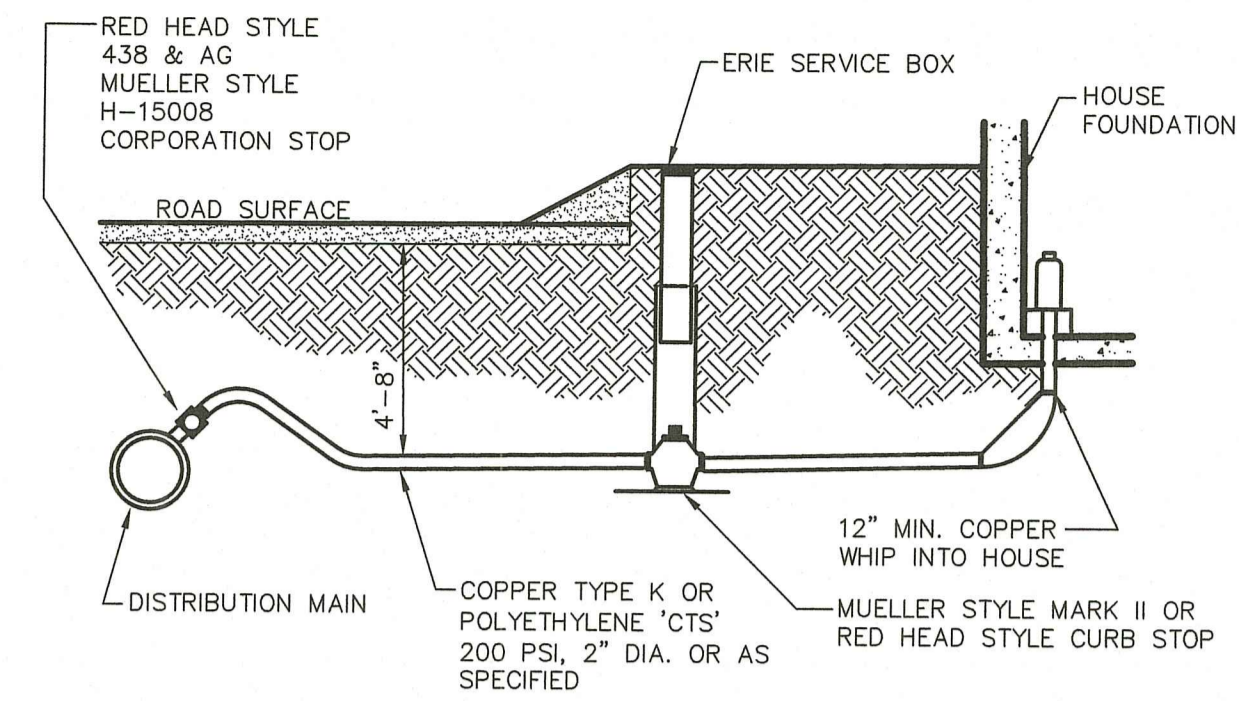
WASHOUT SIGN



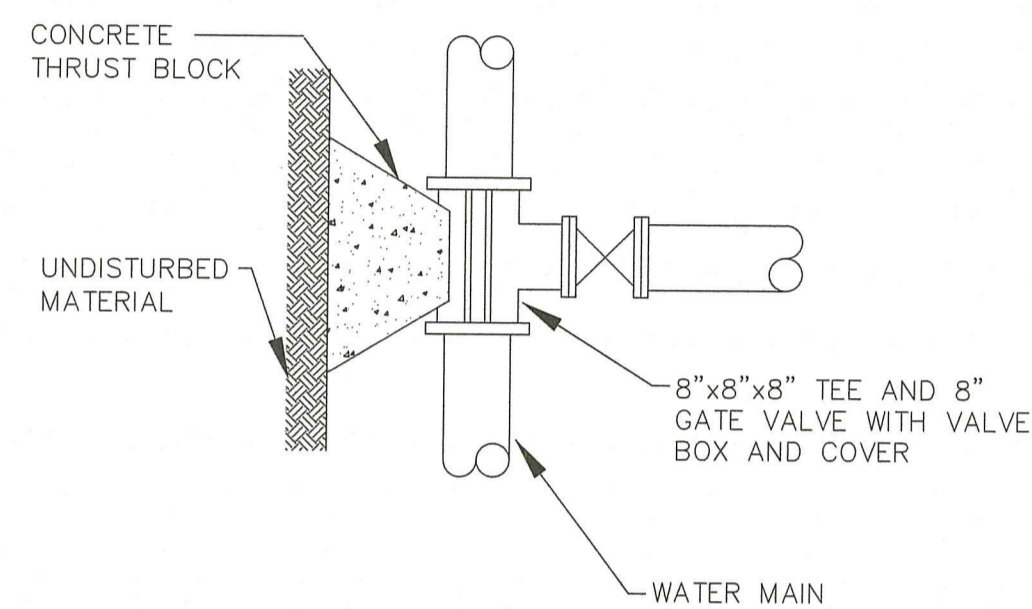
Environmental Management
OCT 07 2022
Office of Water Resources

Detail Sheet - 1
Fieldstone Farms

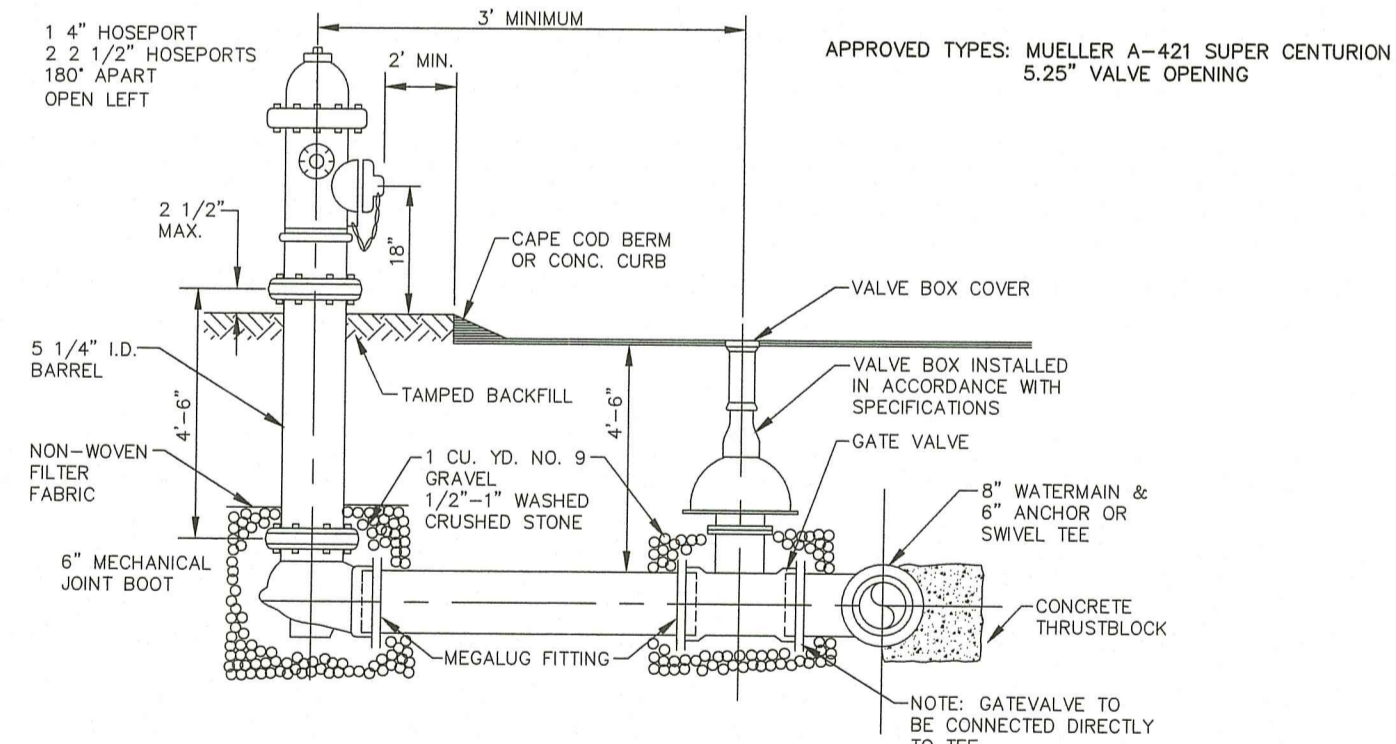
Assessor's Plat: 16-4, Lot 9
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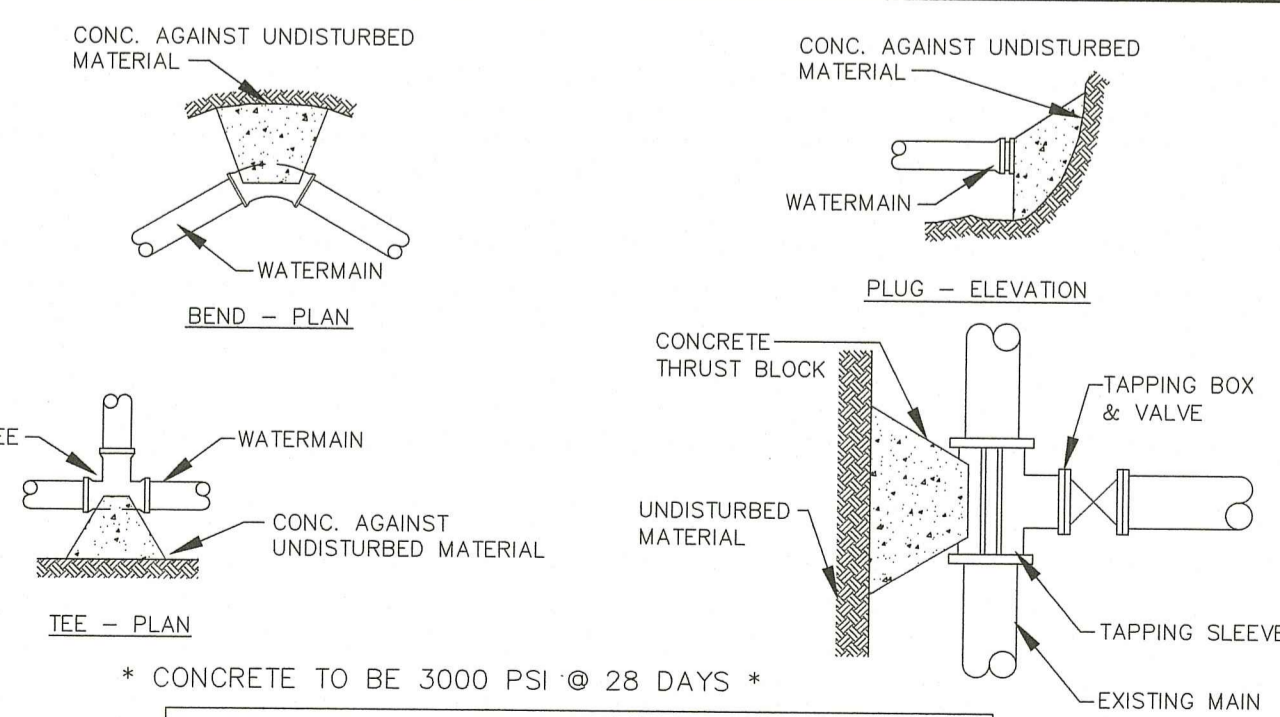
TYPICAL 2" OR SMALLER WATER SERVICE N.T.S.



TYPICAL 4" OR GREATER WATER SERVICE N.T.S.



AWWA C502 DRY BARREL FIRE HYDRANT N.T.S.



THRUST BLOCK SCHEDULE BEARING AREA			
PIPE SIZE	45° BEND OR LESS	TEE & DEAD END	
8"	2.5' x 2.5'	3.0' x 3.0'	
12"	3.0' x 3.0'	3.5' x 3.5'	

THRUST BLOCK DETAILS N.T.S.

WATER DETAILS

- ALL WORK AND MATERIAL OF WATER LINE SHALL BE IN ACCORDANCE WITH RULES AND REGULATIONS SET FORTH BY THE TOWN OF SOUTH KINGSTOWN AND KINGSTON WATER DISTRICT. INSTALLATION AND MATERIALS TO CONFORM TO AWWA SPECIFICATIONS AND ART. III OF THE SOUTH KINGSTOWN TOWN ORDINANCES. A PRECONSTRUCTION MEETING SHALL BE HELD PRIOR TO ORDER OF MATERIALS AND WATER MAIN INSTALLATION.
- WATER MAIN INSTALLATION SHALL BE INSPECTED BY THE TOWN OF SOUTH KINGSTOWN PRIOR TO BACKFILLING THE TRENCH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE TOWN OF SOUTH KINGSTOWN FIVE (5) DAYS PRIOR TO START OF CONSTRUCTION.
- CHLORINATION OF SYSTEM AND SAMPLING SHALL CONFORM TO AWWA REQUIREMENTS FOR SERVICE AND MAIN INSTALLATIONS.
- THE CONTRACTOR SHALL NOTIFY THE DIRECTOR OF WATER SUPPLY AT LEAST TWO WORKING DAYS IN ADVANCE FOR FINAL INSPECTION.
- WHENEVER, IN THESE SPECIFICATIONS, REFERENCE IS MADE TO THE REQUIREMENTS OF AWWA, ANSI, ASTM OR ANY OTHER STANDARD SPECIFICATION, THE REFERENCE IS MADE TO THE LATEST REVISIONS OR MODIFICATIONS OF SUCH REQUIREMENTS AND SPECIFICATIONS.
- ALL PIPE, FITTINGS, AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH AWWA AND ANSI STANDARDS AND THE MANUFACTURER'S SUGGESTED RECOMMENDATIONS FOR INSTALLATIONS.
- PIPELINES SHALL BE CONSTRUCTED IN DRY TRENCHES AND LAID TO THE LINE GRADE. WHENEVER PIPE IS TO BE INSTALLED IN SATURATED SOIL CONDITIONS A BEDDING OF PROCESSED GRANULAR FILTER MATERIAL SHALL BE PROVIDED.
- ALL BENDS, CROSSES, TEES, END CAPS AND PLUGS, VALVES AND ANY OTHER APPURTENANCES SHALL BE RESTRAINED WITH THRUST BLOCKS, STRAPPING OR ANCHORS.
- JOINTING OF MECHANICAL AND PUSH ON TYPE JOINTS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH AWWA STANDARD C-600, AND THE TOWN OF SOUTH KINGSTOWN SPECIFICATIONS. RUBBER GASKETS AND RINGS SHALL BE SUITABLE FOR USE WITH POTABLE WATER AND THOROUGHLY CLEANED TO REMOVE OIL, GRIT, AND OTHER FOREIGN MATTER PRIOR TO ASSEMBLY. THE GASKETS SHALL BE INSPECTED BY THE DIRECTOR OF WATER SUPPLY OR HIS AGENT TO INSURE THAT THEY ARE ACCEPTABLE.
- ALL FITTINGS USED FOR SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH AWWA C-800 AND SOUTH KINGSTOWN SPECIFICATIONS.
- VALVES USED SHALL BE IN ACCORDANCE WITH AWWA C-500 SERIES, AND THE TOWN OF SOUTH KINGSTOWN REGULATIONS. VALVES SHALL BE MECHANICAL JOINT, DOUBLE DISC PARALLEL SEAT OR RESILIENT SEAT GATE STYLES AS FOLLOWS:
 - MUELLER CORPORATION STOP DOUBLE DISC PARALLEL SEAT.
 - AMERICAN DARLING VALVE RESILIENT MODEL CRS-80.
- BLOW-OFF ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C-800 SERIES, AND THE TOWN OF SOUTH KINGSTOWN.
- FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH MUELLER A421, AWWA C-502 "DRY BARREL FIRE HYDRANTS" AND THE TOWN OF SOUTH KINGSTOWN SPECIFICATIONS.
- HYDROSTATIC AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL COMPLETED SECTIONS OF NEWLY INSTALLED PIPELINE IN ACCORDANCE WITH AWWA C-600, AND TOWN SPECIFICATIONS.
- ALL PIPE SHALL BE DISINFECTED PRIOR TO BEING ACTIVATED IN ACCORDANCE WITH AWWA B-300, AWWA C-601 AND TOWN SPECIFICATIONS.
- DISTRIBUTION PIPING SHALL BE CL 52 DUCTILE IRON, DOUBLE CEMENT LINED, WITH PUSH ON JOINTS. PIPE SHALL MEET ANSI/AWWA C151 A21.51. JOINTS SHALL MEET ANSI/AWWA C111/A21.11. AMERICAN MANUFACTURER ONLY.
- FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CL350 CEMENT MORTAR LINED AND MEET ANSI/AWWA/C153/A21.53. MECHANICAL JOINTS SHALL MEET ANSI/AWWA/C111/A21.11 AMERICAN MANUFACTURER ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL STATE AND TOWN PERMITS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS RELATED TO INSTALLATION OF THE WATER MAIN.
- EXCAVATIONS THAT EXTEND INTO PUBLIC RIGHT -OF-WAY SHALL BE BACKFILLED AND COMPACTED IN 12" LIFTS. A TEMPORARY SURFACE COURSE IS TO BE APPLIED. FINAL BINDER AND FINISH COURSE TO BE PLACED AFTER REMOVAL OF TEMPORARY PAVEMENT AND COMPACTION OF GRAVEL BASE. CONTRACTOR SHALL MAKE ROAD PASSABLE FOR ONE LANE OF TRAFFIC AT ALL TIMES.
- CONTRACTOR SHALL NOTIFY DIG SAFE PRIOR TO DIGGING ANY TRENCHES.
- WHEN WORK IS NOT IN PROGRESS AND AT THE END OF EACH DAY, ALL OPEN ENDS OF THE PIPE AND FITTINGS SHALL BE SECURELY CLOSED.
- DIPRETE ENGINEERING DOES NOT CERTIFY AS TO THE WATER FLOW RATE OR RESIDUAL PRESSURE OF THIS WATER MAIN EXTENSION.

LEAKAGE AND PRESSURE TESTING FOR WATERMANS

- GENERAL
HYDROSTATIC AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL COMPLETED SECTIONS OF NEWLY INSTALLED WATERMAIN PIPELINE IN ACCORDANCE WITH AWWA C600, THE TOWN OF SOUTH KINGSTOWN, AND AS SPECIFIED BELOW.

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL LABOR, TOOLS AND EQUIPMENT NECESSARY FOR TESTING.

ALL AIR SHALL BE EXPULSED AT THE HIGH POINTS AND THE PIPELINE SLOWLY FILLED WITH POTABLE WATER.

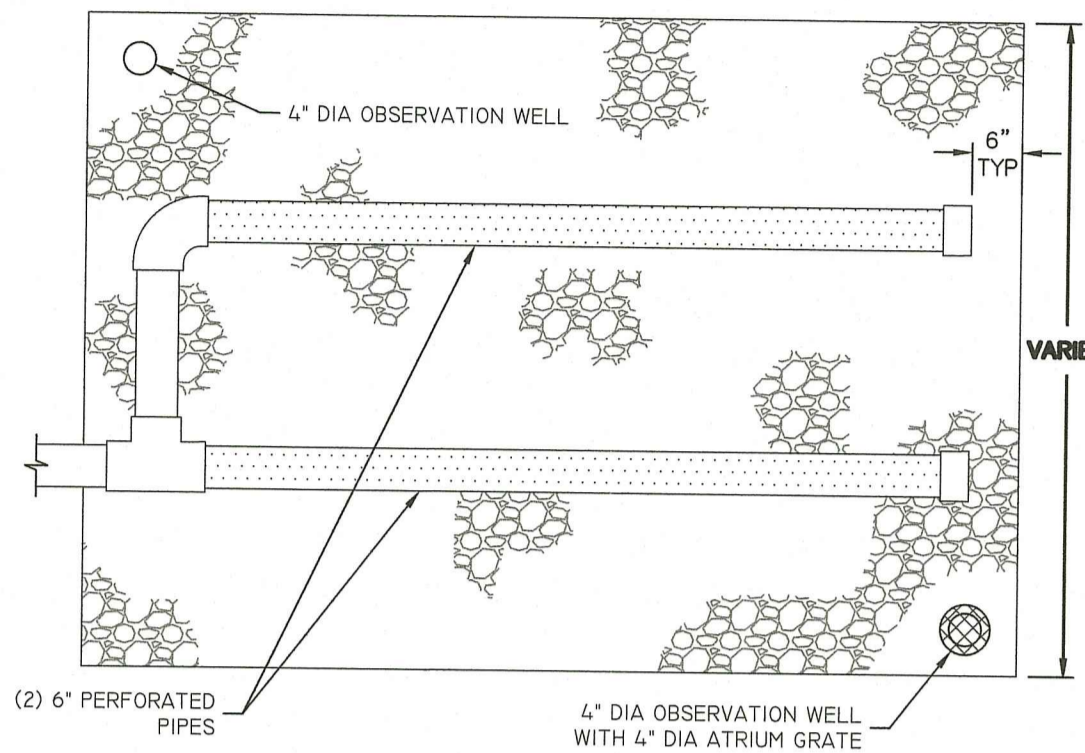
THE INTERNAL PRESSURE SHALL BE BUILT UP TO 150 PSI AND MAINTAINED FOR A PERIOD OF NOT LESS THAN ONE (1) HOUR.

ALL LEAKS IN THE PIPELINE SHALL BE STOPPED; CRACKED OR DEFECTIVE PIPE, FITTINGS OR ACCESSORIES SHALL BE REMOVED AND REPLACED WITH NEW BY THE CONTRACTOR.

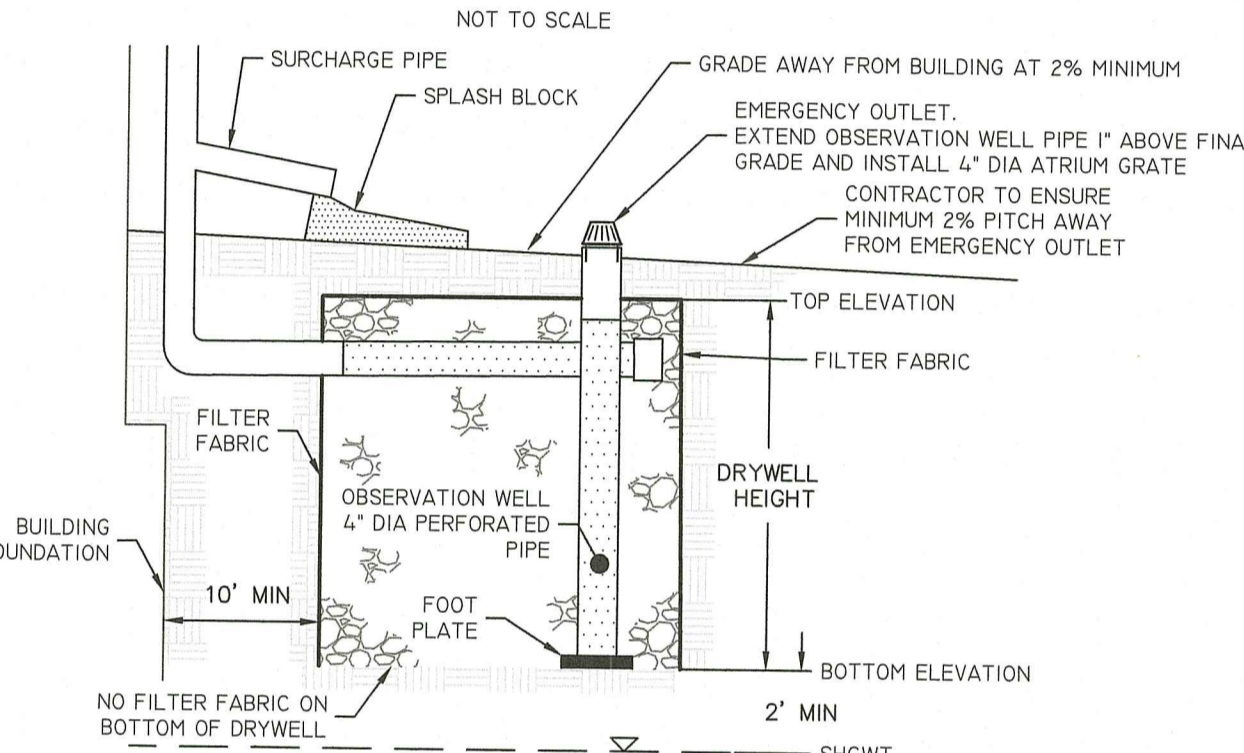
THE PIPELINE SHALL BE RETESTED AS MAY BE REQUIRED AND NECESSARY UNTIL THE LEAKAGE FALLS WITHIN THE ALLOWABLE DETERMINED FOR THE PIPE NETWORK, AT WHICH TIME THE PIPELINE MAY BE CONSIDERED READY FOR:
o. WATERMANS - DISINFECTION STEP

CONSTRUCTION, MAINTENANCE & INSPECTION NOTES:

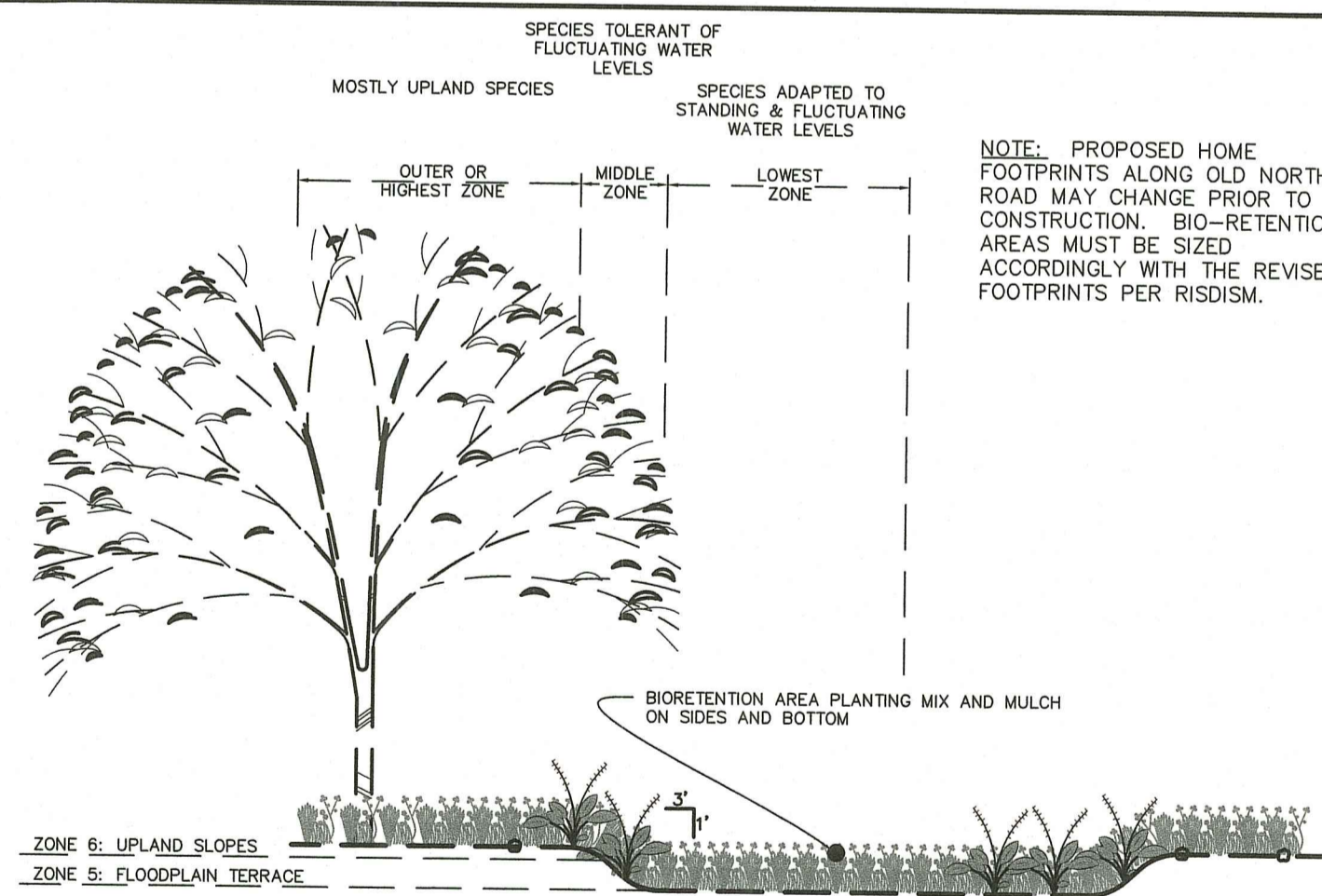
- ROOF LEADERS ARE TO TIE INTO PROPOSED DRYWELLS.
- DRYWELL AREA TO BE STAKED, MARKED, AND REMAIN UNDISTURBED PRIOR TO CONSTRUCTION. THERE IS TO BE NO CONSTRUCTION TRAFFIC ON DESIGNATED AREA PRIOR TO CONSTRUCTION.
- DRYWELLS TO BE LOCATED DOWNGRADE OF THE BUILDING WITH A MINIMUM OF 10' SEPARATION TO THE FOUNDATION.
- UNDER NO CIRCUMSTANCES MAY DRYWELLS BE INSTALLED UPGRADE OF A BUILDING.
- PLACE FILTER FABRIC ON SIDES OF TRENCH AND FILL WITH CRUSHED, WASHED STONE.
- OVERLAP FILTER FABRIC ON THE TOP OF THE FILTER STONE. BACK FILL WITH CLEAN FILL TO FINISH GRADE.
- MONITORING OF WATER LEVELS WITHIN THE INSPECTION PORT AT VARIOUS TIMES INTERVALS AFTER A RAINFALL EVENT WILL INDICATE THE EFFECTIVENESS OF THE SYSTEM. IF WATER IS STANDING IN DRYWELL SYSTEM 72 HOURS AFTER A STORM EVENT, SYSTEM FAILURE HAS OCCURRED AND WILL REQUIRE FLUSHING MAINTENANCE, REPAIR OR REPLACEMENT OF THE SYSTEM.
- MAINTENANCE OF ALL DRYWELL AND DRAINAGE COMPONENTS IS THE RESPONSIBILITY OF THE OWNER, INCLUDING MONITORING OF WATER LEVELS AS NECESSARY.



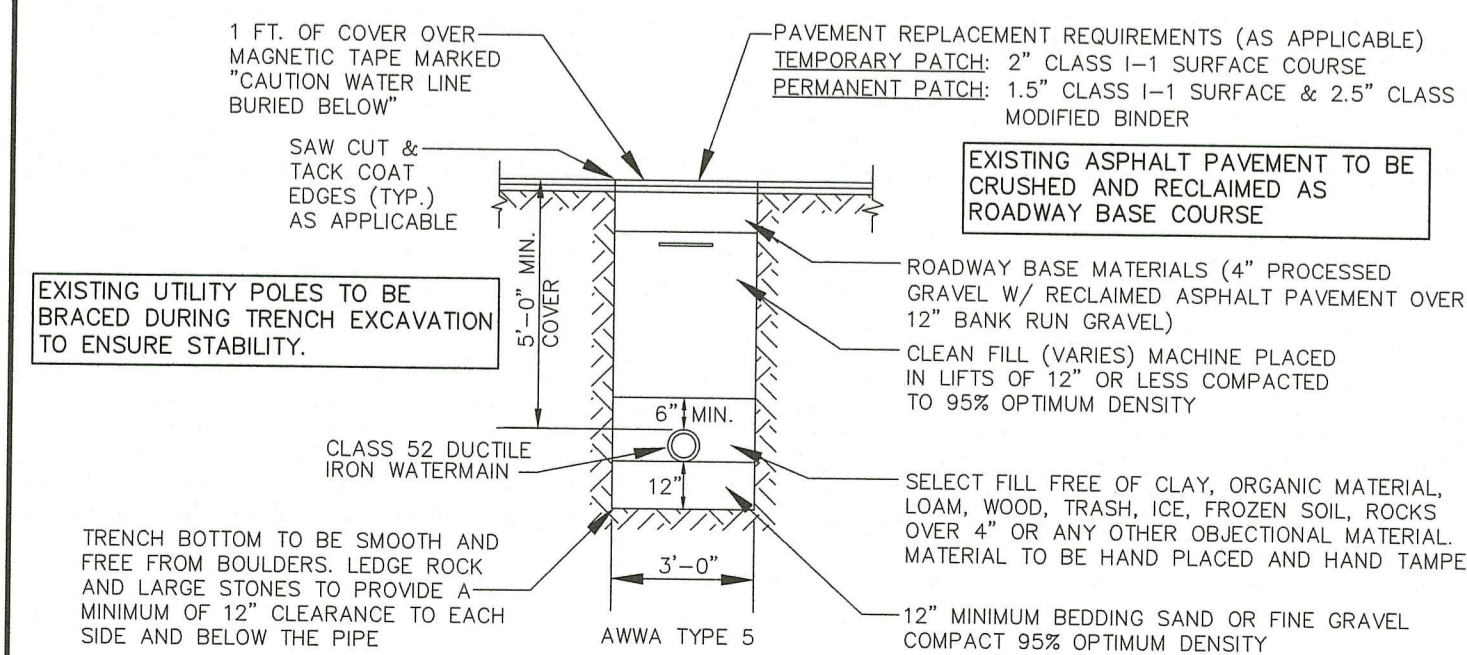
HOUSE DRYWELL DETAIL (PLAN)



HOUSE DRYWELL DETAIL (PROFILE)



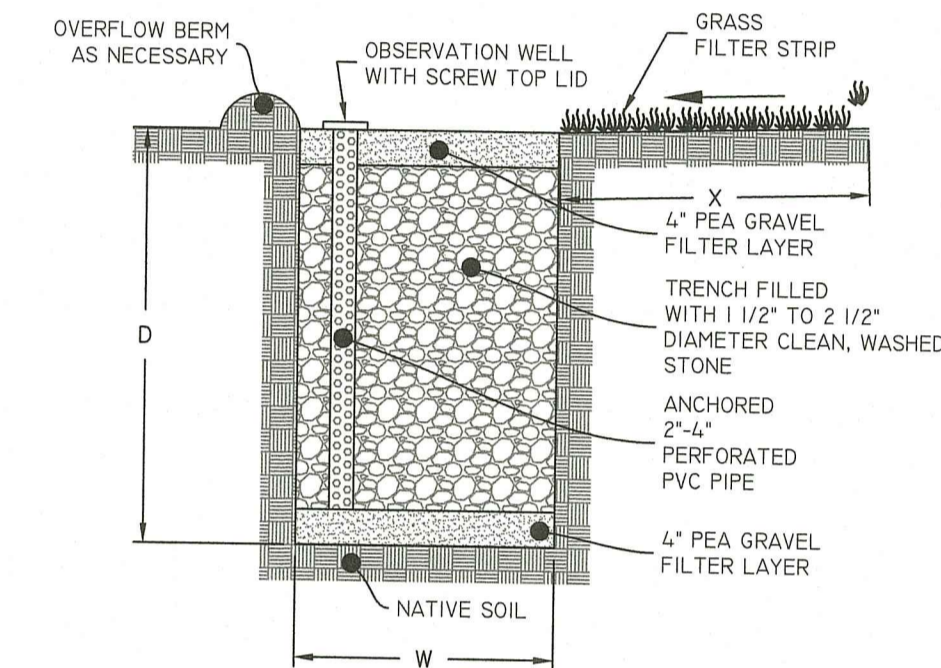
BIORETENTION AREA-CROSS SECTION



WATER TRENCH DETAIL N.T.S.

DRYWELL LOT	DEPTH	LENGTH & WIDTH
8	0.50 FT	10 FT X 9 FT
15	0.50 FT	10 FT X 9 FT
14	0.50 FT	15 FT X 13 FT
15	1 FT	8 FT X 8 FT
16	3 FT	7 FT X 7 FT

DRYWELL TABLE



STONE INFILTRATION TRENCH

BIORETENTION AREA-PLANTING NOTES

- THE BIORETENTION FACILITIES HAVE BEEN DESIGNED IN ACCORDANCE WITH APPENDIX B.9.3 OF THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL AND THE RHODE ISLAND COASTAL PLANT GUIDE, AND PLANTED WITH SPECIES APPROPRIATE FOR THE HYDROLOGIC ZONES PRESENT IN EACH FACILITY AS DESCRIBED IN APPENDIX B, B.4, TABLE B-1.
- BEFORE THE PLANTS ARE INSTALLED, 1/2" OF COMPOSTED HARDWOOD MULCH SHALL BE MIXED INTO THE TOP 4" OF PLANTING SOIL. AFTER THE PLANTS ARE INSTALLED, AN ADDITIONAL 1/2" OF MULCH SHALL BE APPLIED. THE MULCH SHALL BE SHREDED HARDWOOD MULCH THAT IS WELL AGED (STOCKPILED OR STORED FOR AT LEAST SIX (6) MONTHS, UNIFORM IN COLOR, AND FREE OF OTHER MATERIALS, SUCH AS WEED SEEDS, SOIL, ROOTS, ETC. GRASS CLIPPINGS SHALL NOT BE USED.

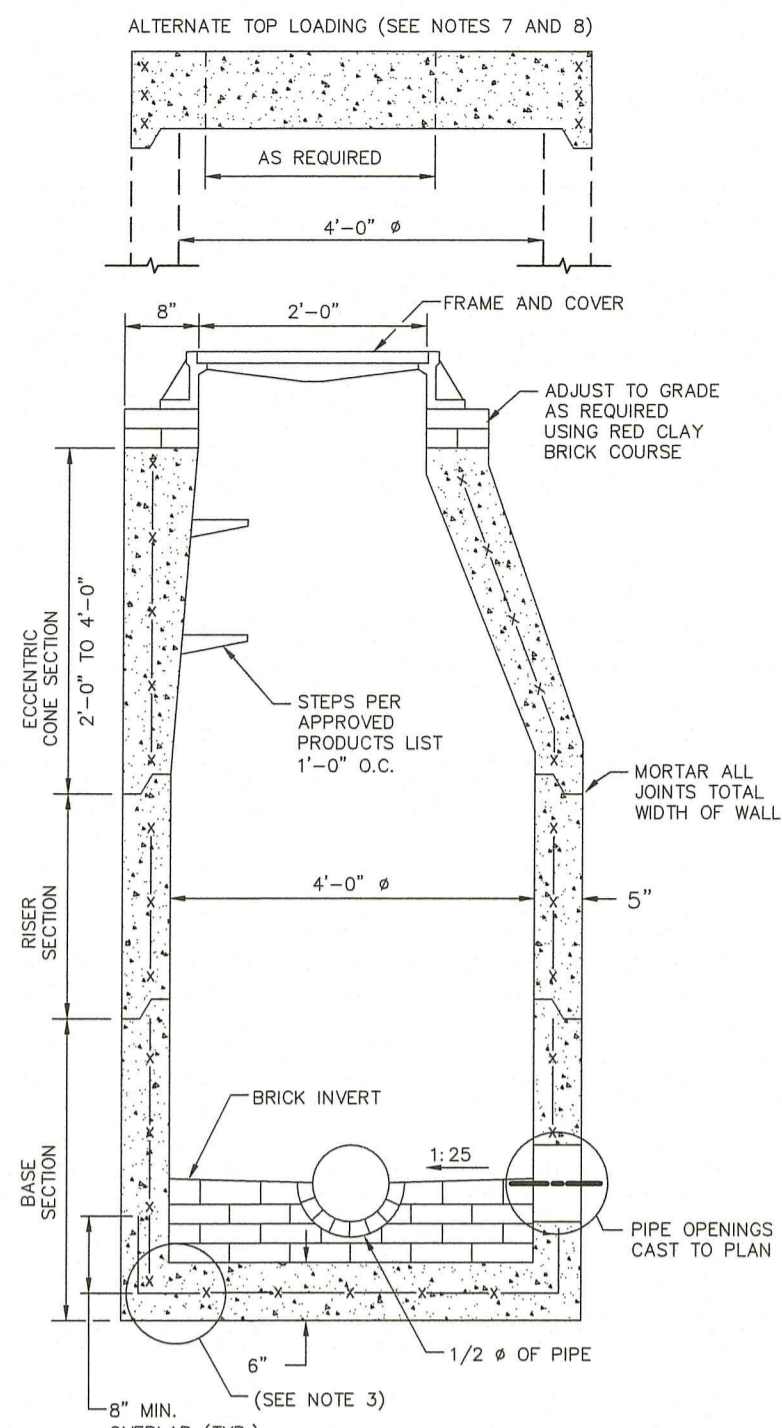
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: NOV 17 2022 FILE #: 22-0152
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

BIORETENTION AREA-PLANTING MIX

BOTANICAL NAME	COMMON NAME	SIZE	SPACING/NOTES
ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	1 GAL*	12" O.C. PLANT ON UPPER SLOPES ONLY
ASTER NOVAE ANGLAEI	NEW ENGLAND ASTER	1 GAL*	12" O.C.
BAPTISIA TINCTORIA	WILD INDIGO	1 GAL*	12" O.C.
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	1 GAL*	12" O.C. PLANT ON UPPER SLOPES ONLY
VERONICA NOVEBORACENSIS	NEW YORK IRONWEED	1 GAL*	18" O.C. PLANT ON UPPER & SIDE SLOPES ONLY
ERAGROSTIS SPECTABILIS	PURPLE LOVE GRASS	1 GAL*	12" O.C. PLANT ON BOTTOM OF BASIN
EUPATORIUM PURPUREUM	JOE PYE WEED	1 GAL*	18" O.C.
IRIS VERSICOLOR	BLUE FLAG IRIS	1 GAL*	18" O.C.
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GAL*	12" O.C. PLANT ON UPPER SLOPES ONLY
SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	1 GAL*	12" O.C. PLANT ON TOP & SIDE SLOPES ONLY

NOTE: THIS BIORETENTION PLANTING MIX SHALL BE PLANTED IN CLUSTERS AT THE SPACE SPECIFIED UNDER THE "SPACING/NOTES" IN THE PLANT SCHEDULE. THE PLANT CLUSTERS SHALL BE DISTRIBUTED SO THAT APPROXIMATELY 1/3 OF THE BOTTOM AND SIDES SLOPES ARE COVERED WITH PLANTS.

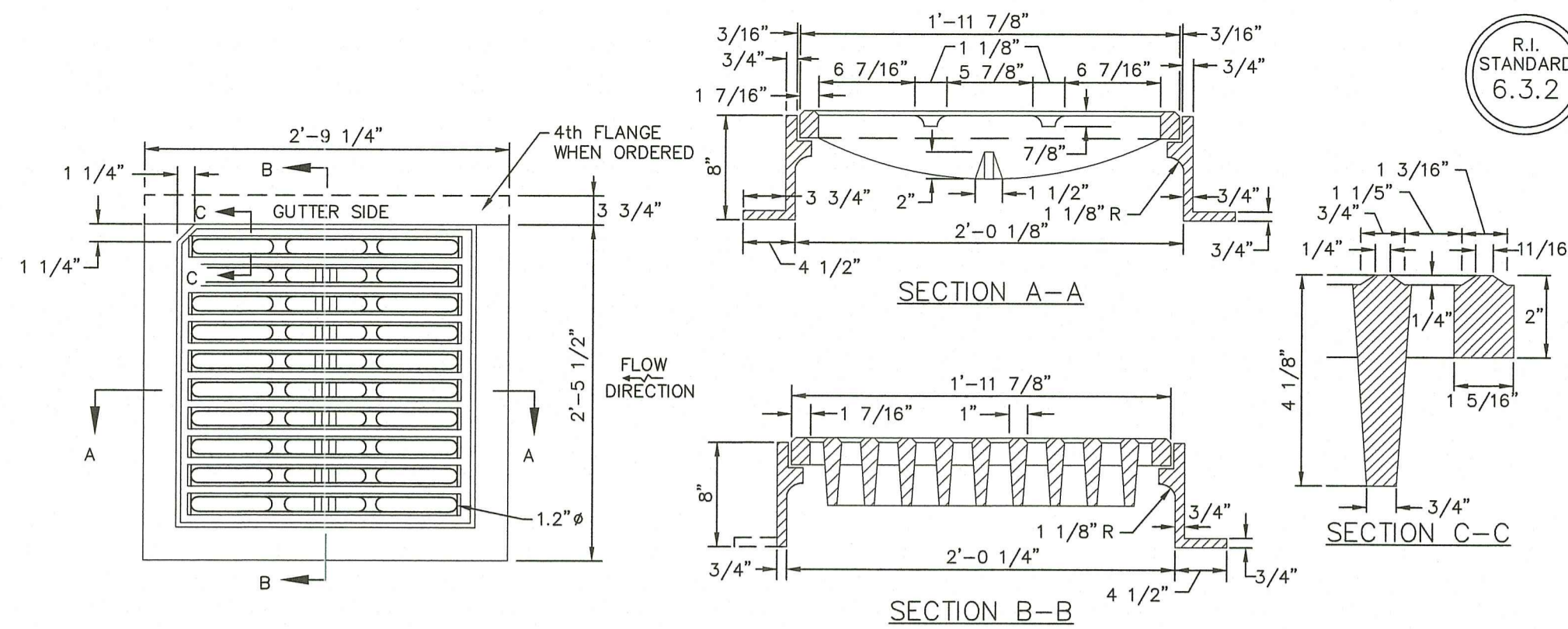
* RATHER THAN PLANTING CONTAINER PLANTS, THE CONTRACTOR MAY HYDROSEED USING AN EQUIVALENT SEED MIX. THE HYDROSEED SHALL BE APPLIED IN A BONDED 100% WOOD FIBER MATRIX. AN 8" STRIP OF NORTH AMERICAN GREEN SCISSOR BLANKET SHALL BE STAPLED DOWN THE MIDDLE OF THE BOTTOM OF THE POND. PRIOR TO HYDROSEEDING, THE CONTRACTOR SHALL VERIFY THE HYDROSEED MIX AND METHOD OF APPLICATION WITH THE LANDSCAPE ARCHITECT.



- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 - CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN. / LIN. FT. MINIMUM.
 - STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN. / LIN. FT. (BOTH WAYS).
 - ONE POUR MONOLITHIC BASE SECTION.
 - ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
 - STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 - ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
 - ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
 - REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

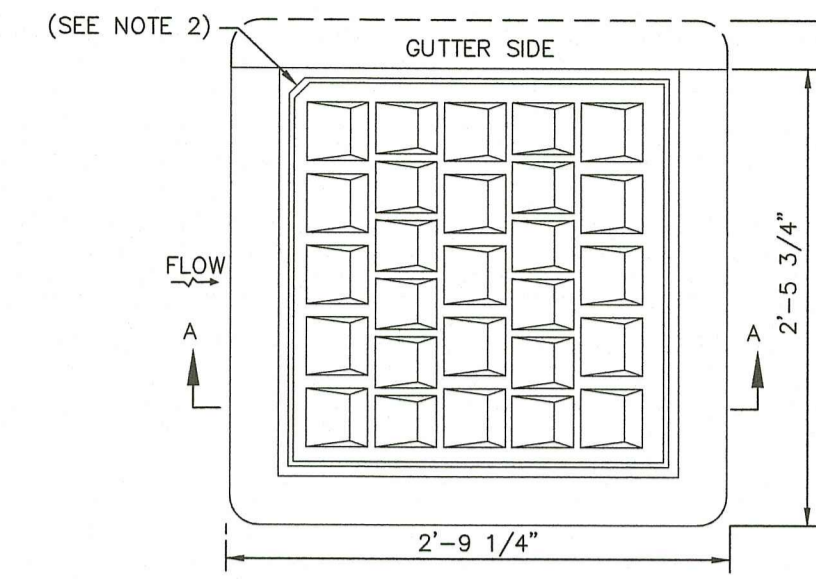
PRECAST 4'-0" ROUND MANHOLE
NOT TO SCALE

R.I. STANDARD 4.2.0



SQUARE FRAME AND GRATE (BICYCLE SAFE)
NOT TO SCALE

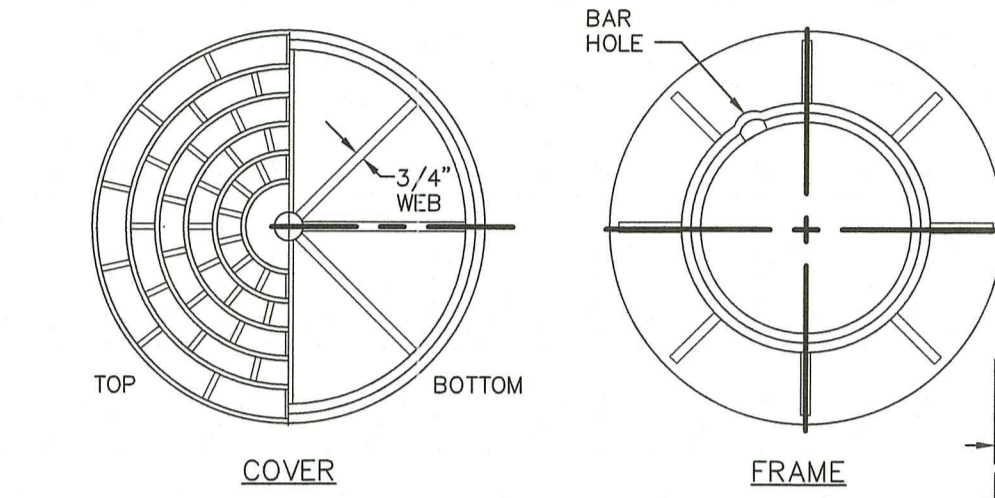
R.I. STANDARD 6.3.2



HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)
NOT TO SCALE

R.I. STANDARD 6.3.4

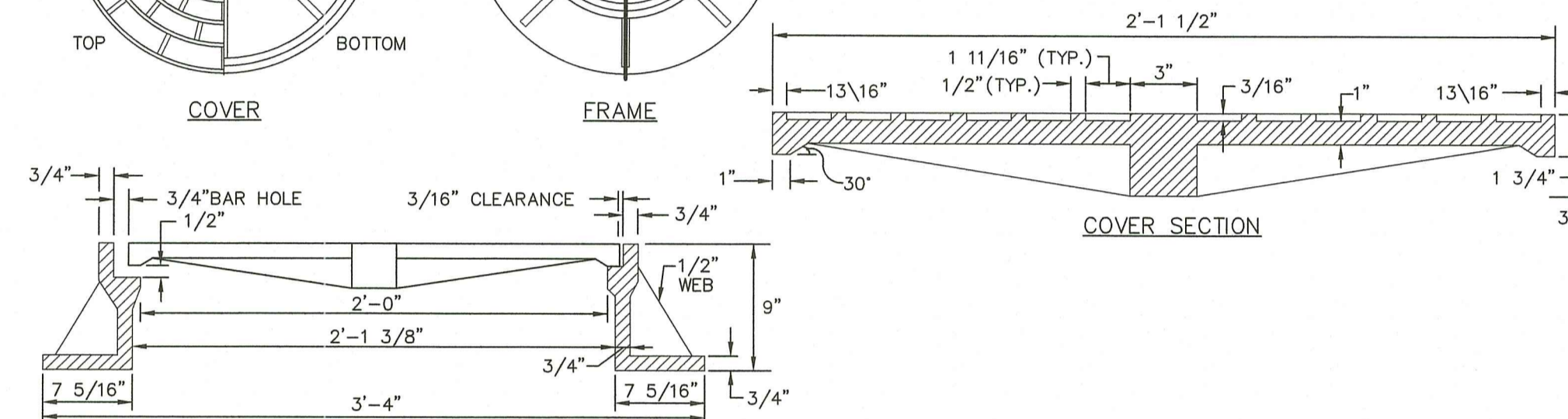
- NOTES:
- FRAME AND COVER SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
 - THIS CORNER LEFT FOR "LEFT" GRATE, DIAGONALLY OPPOSITE CORNER FOR "RIGHT" GRATE TO FIT IN KEYS IN FRAME.



HEAVY-DUTY ROUND FRAME AND COVER
NOT TO SCALE

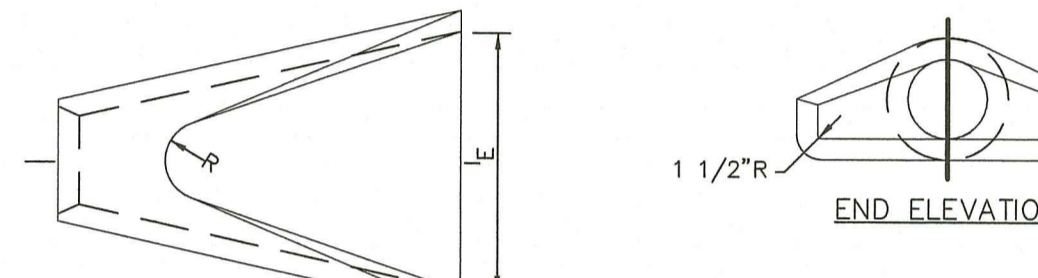
R.I. STANDARD 6.2.1

- NOTES:
- FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
 - FRAME AND COVER SEATS MUST HAVE MACHINE FINISH.

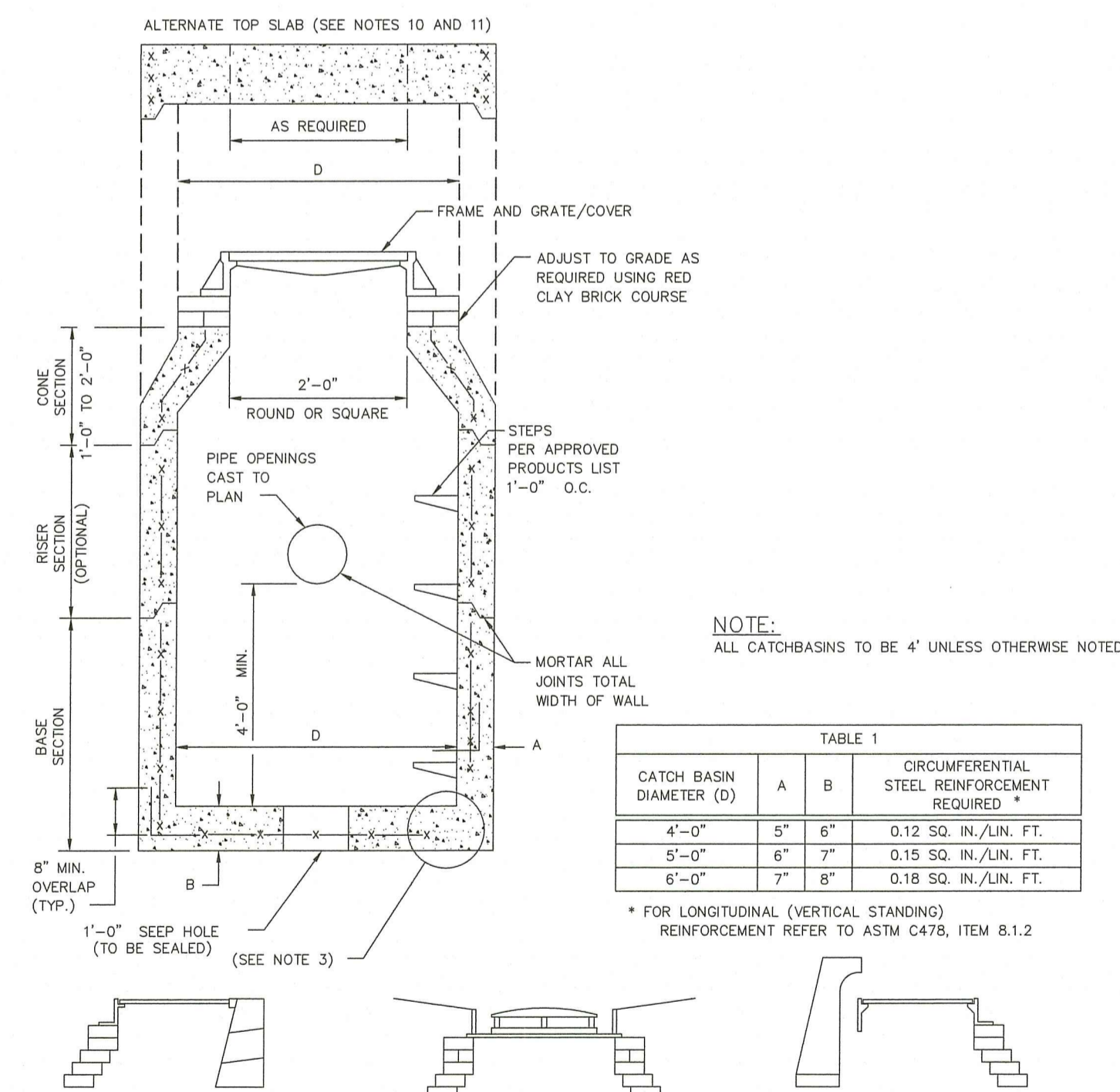


DIMENSIONS								REINFORCEMENT
DIA.	A	B	C	D	E	R	T	ONE LAYER REINFORCEMENT IN CENTER OF WALL MIN. AREA OF EACH WAY (SQ. IN./FT.)
1'-0"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	2"	0.048
1'-3"	6"	2'-3"	3'-10"	6'-1"	3'-0"	11"	2 1/4"	0.054
1'-6"	9"	2'-6"	3'-10"	6'-1"	3'-0"	12"	2 1/2"	0.060
2'-0"	9 1/2"	3'-7 1/2"	2'-5"	6'-1 1/2"	4'-0"	1'-2"	3"	0.072
2'-6"	1'-0"	4'-8"	1'-7 3/4"	6'-1 3/4"	6'-0"	1'-3"	3 1/2"	0.084
3'-0"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	1'-8"	4"	0.096
3'-6"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	1'-10"	4 1/2"	0.108
4'-0"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	1'-10"	5"	0.120
4'-6"	2'-3"	6'-5"	2'-11"	8'-4"	7'-6"	2'-0"	5 1/2"	0.132
5'-0"	2'-6"	6'-0"	3'-3"	8'-3"	8'-0"	2'-0"	6"	0.144

R.I. STANDARD 2.3.0



PRECAST CONCRETE FLARED END SECTION
NOT TO SCALE



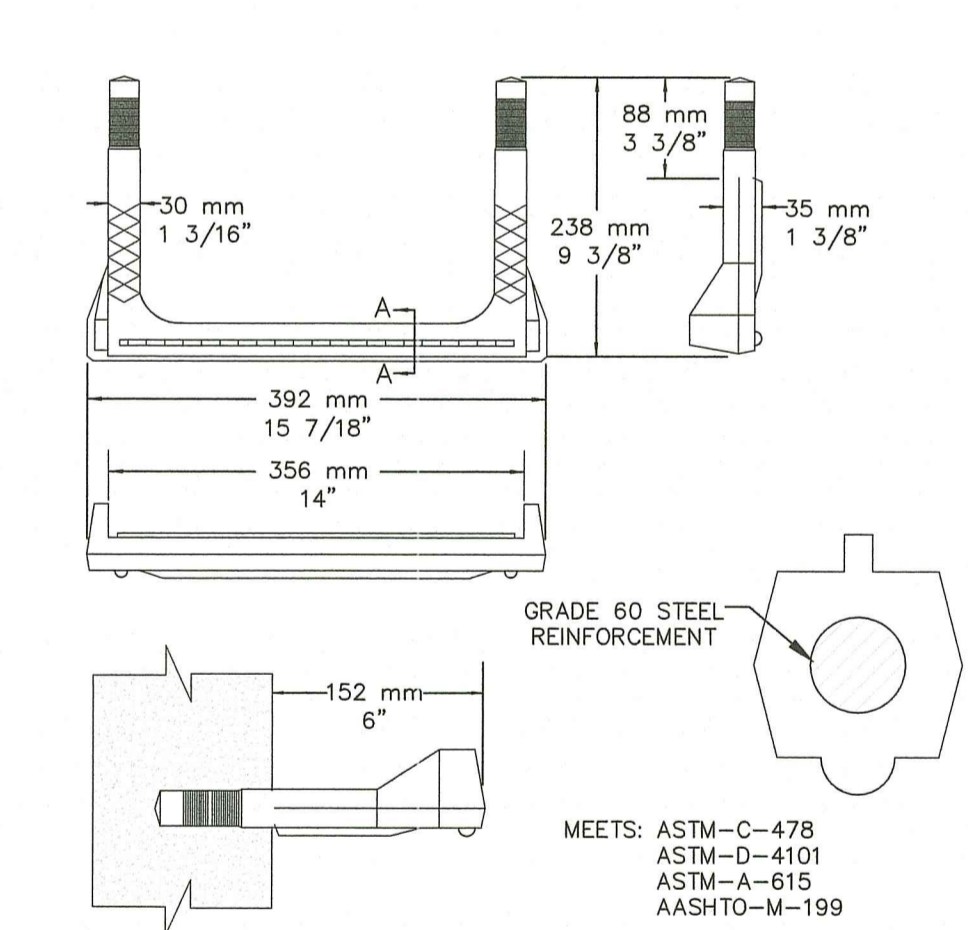
NOTE: ALL CATCHBASINS TO BE 4' UNLESS OTHERWISE NOTED.

CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED *
4'-0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.

- NOTE: OPEN UNLESS NOTED OTHERWISE
- TYPE 'D' TYPE CATCH BASIN AS REQUIRED TYPE 'F'
- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 - SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
 - STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN. / LIN. FT. (BOTH WAYS).
 - STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 - ONE POUR MONOLITHIC BASE SECTION.
 - ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
 - CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
 - FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
 - THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
 - ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
 - ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
 - REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

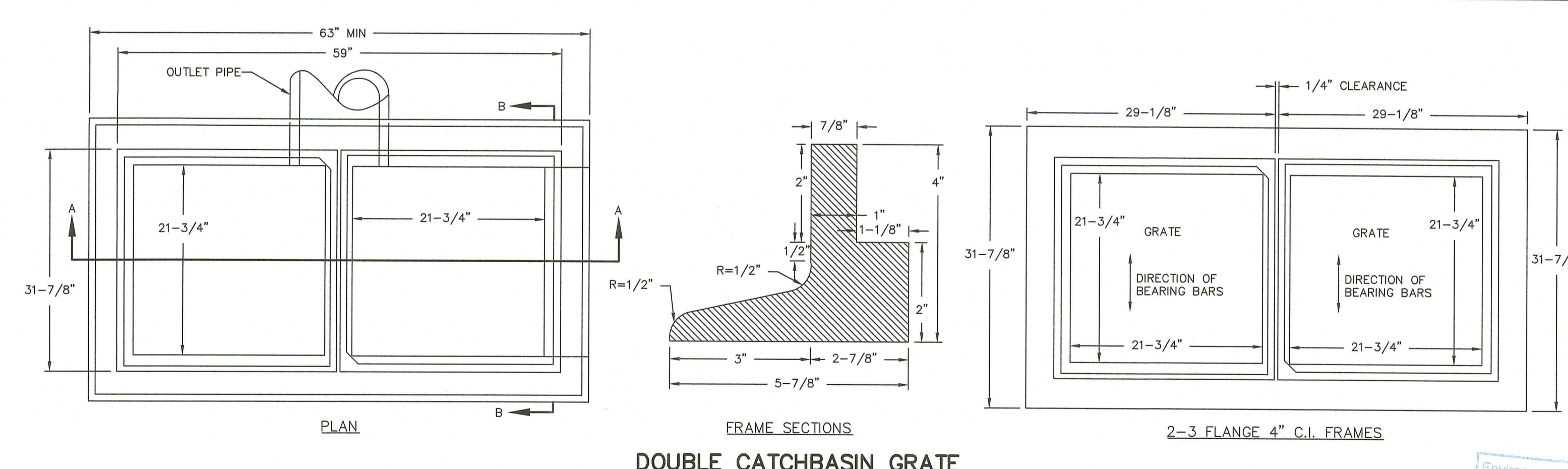
PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
NOT TO SCALE

R.I. STANDARD 4.4.0

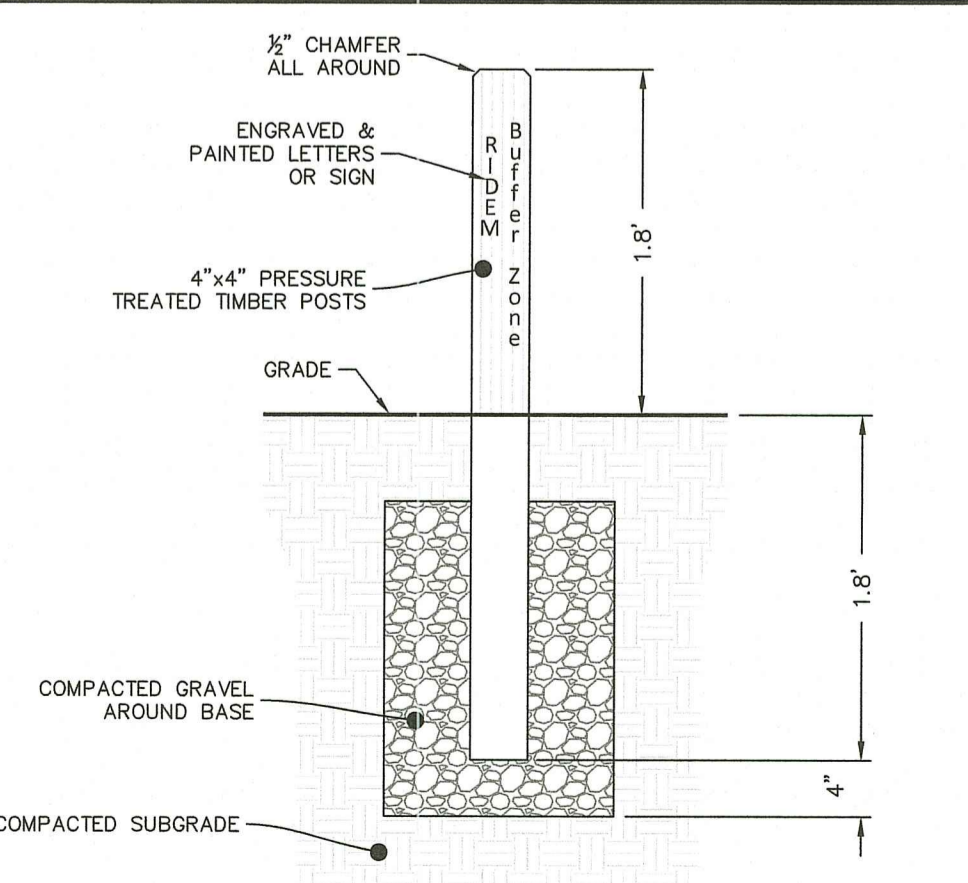


MANHOLE STEP
NOT TO SCALE

MEETS: ASTM-C-478
ASTM-D-4101
ASTM-A-615
AASHTO-M-199

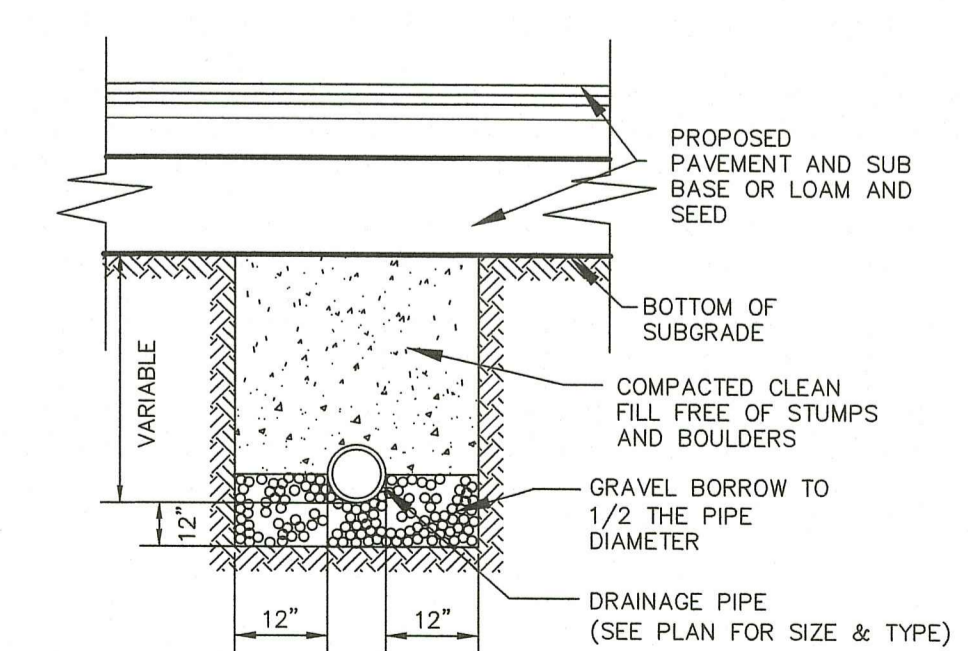


DOUBLE CATCHBASIN GRATE
NOT TO SCALE



BUFFER MARKER DETAIL
NOT TO SCALE

R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: NOV 17 2022 FILE #: 22-0152
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



DRAINAGE TRENCH DETAIL
NOT TO SCALE

Detail Sheet - 4
Fieldstone Farms

Old North Land Investments LLC
75 Lambert Lind Highway
Warwick, Rhode Island 02886

No.	Date	Description	By:
1	10/06/2022	R.I.E.M. Response To Comments	R.B.S.
2	11/17/2022	R.I.E.M. Resubmission	R.B.S.
3	12/29/22	R.I.E.M. Resubmission	R.B.S.
4	2-8-23	R.I.E.M. Resubmission	R.B.S.
5			
6			

Design By: R.B.S.

Environmental Management
OCT 07 2022
Office of Water Resources