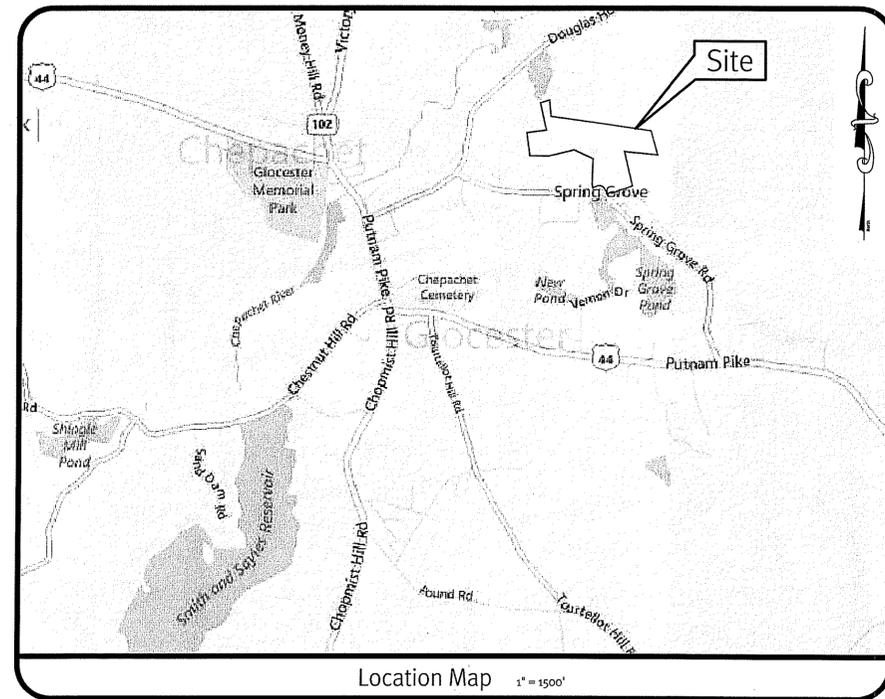


RIDEM Submission

Spring Grove Road

Glocester, Rhode Island 02814

Assessor's Plat 13 Lot 163



Sheet Index

1. Cover Sheet
2. Half Mile Aerial
3. Existing Conditions Plan
4. Overall Plan
5. Grading Plan - 1
6. Grading Plan - 2
7. Plan & Profile - 1
8. Plan & Profile - 2
9. Detail Sheet - 1
10. Detail Sheet - 2
11. Detail Sheet - 3

SESC / O&M

The Soil Erosion and Sediment Control Plan (SESC) and Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED **JUL 10 2015** FILE # **14-0202**
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Street Index:
 • Putnam Pike
 • Spring Grove Road
 • Douglas Hook Road

THIS SUBMISSION SET SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED 'ISSUED FOR CONSTRUCTION' AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE.

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 tel 401-943-1000 fax 401-464-6066 www.diprete-eng.com
Boston • Providence • Newport

DAVID A. RUSSO
 No. **4355**
REGISTERED PROFESSIONAL ENGINEER CIVIL

This regulatory submission set shall not be used for construction purposes unless stamped 'Issued for Construction' and signed by a DiPrete Engineering representative.

The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA conformance in the implementation of this plan and design.

No.	Date	Description	By	Design By: D.A.R.
1	6/12/2015	RIDEM Response to Comments	J.A.R.	
2	6/22/2015	RIDEM Response to Comments	J.A.R.	
3	11/2/2014	RIDEM Wetland Submission	J.A.R.	
4	02/24/2014	Master Plan Submission	J.A.R.	

Cover Sheet
Spring Grove Road
 Assessor's Plat 13 Lot 163
 Applicant
Adler Brothers Construction Co.
 604 Putnam Pike, Greenville, Rhode Island 02828
 DE Job No. 2389-002 Copyright 2015 by DiPrete Engineering Associates, Inc.

z:\demain\project\12139-002_spring_grove_road\anncad\drawings\12139-002-over.dwg Plotter: 6/11/2015

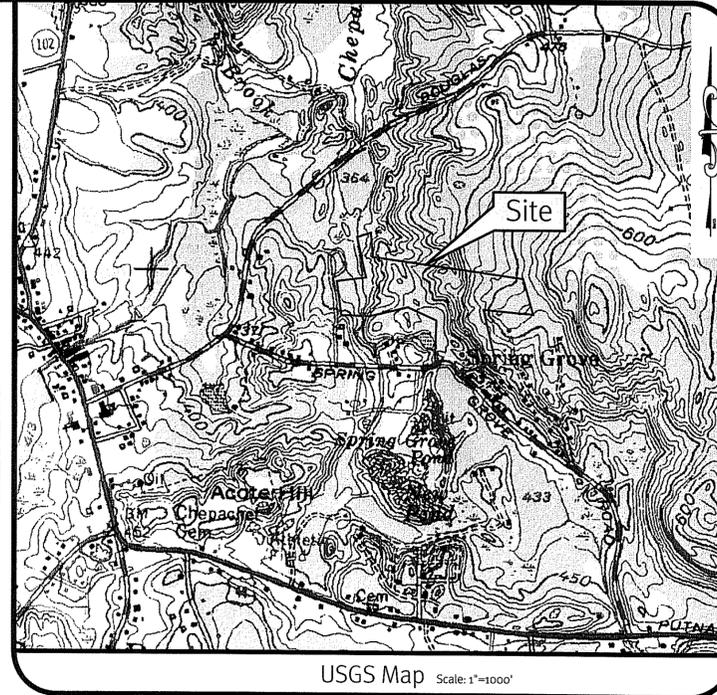
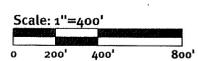


Photo obtained from the RI-GIS.



REPAIR AND MAINTENANCE OF UTIL MANAGEMENT
 PROJECT NO. 14-020-2
 AS SHOWN ON THE CENTER OF APPROVAL
 JUL 1.0 2015
 THIS IS A PRELIMINARY APPROVAL
 AND DOES NOT CONSTITUTE AN ENDORSEMENT
 OF THE PROJECT OR THE CONTRACTOR'S DESIGN.
 APPROVAL MUST BE AT CONSTRUCTION SITE

THIS SUBMISSION SET SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED
 'ISSUED FOR CONSTRUCTION' AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE.

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, SAFETY
 PRECAUTIONS AND REQUIREMENTS, AND OSHA CONFORMANCE IN THE
 IMPLEMENTATION OF THIS PLAN AND DESIGN.

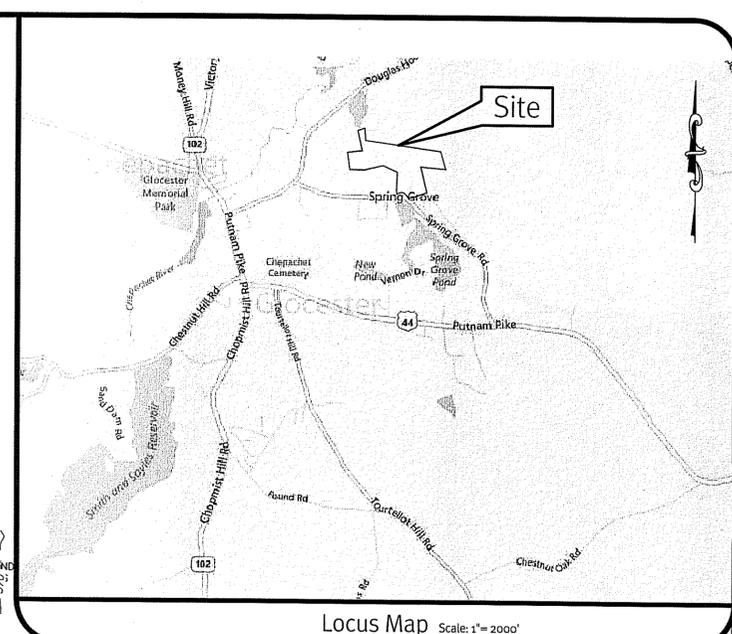
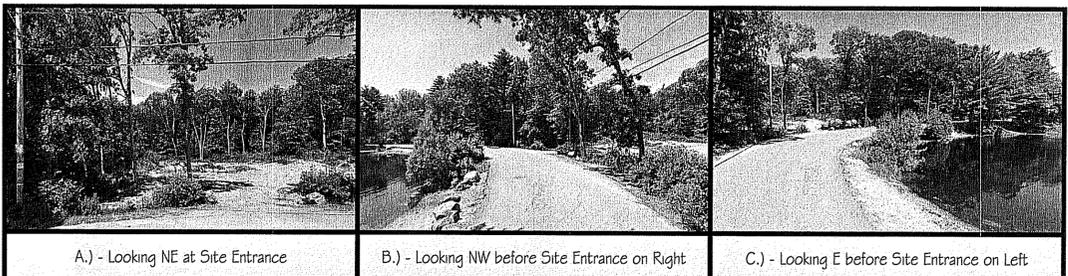
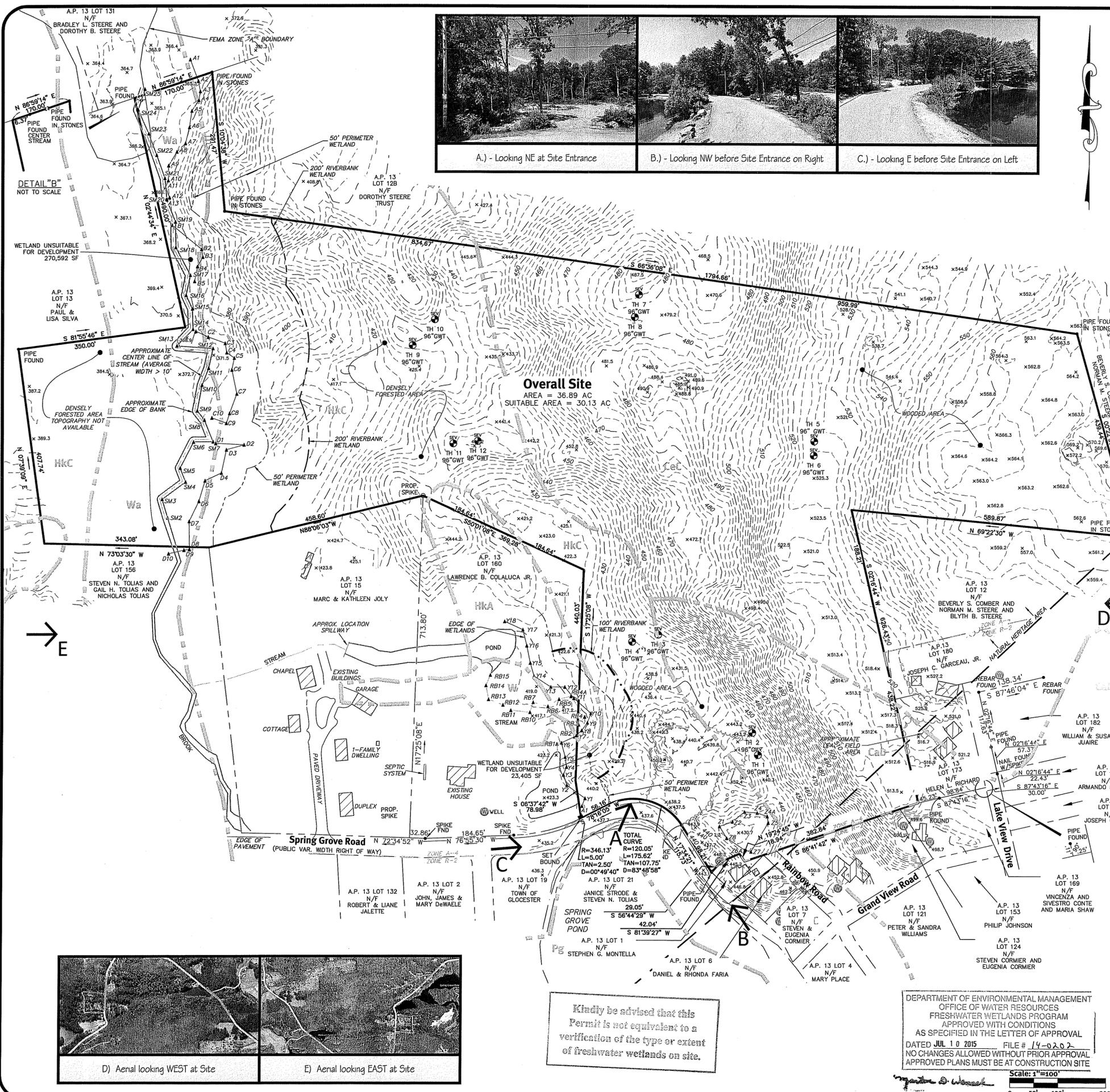
DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 Tel 401-943-1000 Fax 401-941-6006 www.diprete-eng.com
 Boston • Providence • Newport

DAVID A. RUSSO
 No. [Stamp]
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

This regulatory submission set shall not be used for construction purposes unless stamped 'Issued for Construction' and signed by a DiPrete Engineering representative.
 The contractor is responsible for all of the means, methods, safety precautions and OSHA conformance in the implementation of this plan and design.

No.	Date	Description	By:	Design By: D.A.R.
1	6-23-2015	REVISIONS TO COMMENTS	J.A.R.	
2	6-23-2015	REVISIONS TO COMMENTS	J.A.R.	
3	6-23-2015	REVISIONS TO COMMENTS	J.A.R.	
4	6-23-2015	REVISIONS TO COMMENTS	J.A.R.	
5	6-23-2015	REVISIONS TO COMMENTS	J.A.R.	
6	6-23-2015	REVISIONS TO COMMENTS	J.A.R.	

Half Mile Aerial
Spring Grove Road
 Assessor's Plat 13 Lot 163
 Gloucester, Rhode Island 02814
 Applicant
Adler Brothers Construction Co.
 604 Putnam Pike, Greenville, Rhode Island 02828



- General Notes:**
- THE SITE IS LOCATED ON THE TOWN OF GLOUCESTER ASSESSOR'S PLAT 13 LOT 163.
 - THE SITE IS 36.89 ACRES.
 - THE OWNER OF AP 13 LOT 163 IS: ADLER BROTHERS CONSTRUCTION CO. 604 PUTNAM PIKE GLOUCESTER, RI 02814
 - EXISTING ZONING: A-4
 - EXISTING CONDITIONS FOR THIS PLAN ARE TAKEN FROM PLAN ENTITLED: "MAJOR SUBDIVISION PRE APPLICATION PLAN FOR ADLER BROTHERS, ASSESSORS PLAT 13, LOT 163, SPRING GROVE ROAD, GLOUCESTER, RHODE ISLAND" BY MARC N. NYBERG ASSOCIATES, INC., DATED JANUARY, 2014, SCALE: 1" = 100'. NO SURVEY WAS PERFORMED BY DIPRETE ENGINEERING.
 - ASSESSOR'S PROPERTY LINES ARE TAKEN FROM THE TOWN OF GLOUCESTER WEBSITE AND SHOULD BE CONSIDERED APPROXIMATE.
 - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X (UNSHADED), WITH A PARTIAL AREA IN ZONE "A". REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C01456, MAP REVISED MARCH 2, 2009.
 - WETLAND DELINEATION PERFORMED BY DIPRETE ENGINEERING AND SURVEYED BY MARC N. NYBERG ASSOCIATES, INC.
 - THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
 - SOIL MAPPING OBTAINED FROM "SOIL SURVEY OF RHODE ISLAND", PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
 - THE SITE IS NOT WITHIN A: NARROW RIVER SPECIAL AREA MANAGEMENT PLAN (CRMC) SALT PONDS SPECIAL AREA MANAGEMENT PLAN (CRMC) GROUNDWATER PROTECTION OVERLAY DISTRICT (TOWN)
 - THE SITE IS WITHIN A: GROUNDWATER PROTECTION AREA (RIDEM) NATURAL HERITAGE AREA (RIDEM)
 - THERE ARE NO EXISTING HIKING, BIKING, OR BRIDLE TRAILS OBSERVED WITHIN AND ADJACENT TO SITE.
 - THERE ARE NO EXISTING BOAT LAUNCHES, LAKE AND STREAM ACCESS POINTS, BEACHES OR WATER TRAILS WITHIN SITE.
 - THERE ARE NO EXISTING PLAY FIELDS AND PLAYGROUNDS ON OR ADJACENT TO SITE.
 - THE TOPOGRAPHY ON THIS PLAN WAS PREPARED BY COL-EAST, INC. USING AERIAL PHOTOGRAPHS, DATED: 12/13/13. THE HORIZONTAL AND VERTICAL CONTROL WORK WAS ORIGINALLY PERFORMED BY MARC N. NYBERG ASSOCIATES, INC. THE MAP HAS BEEN PREPARED TO CONFORM TO THE ASPRS STANDARDS FOR A CLASS 2 MAP (ACCURACY TO 2/3RDS THE CONTOUR INTERVAL) AS STATED IN THE "PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, EFFECTIVE DATE: APRIL 1, 1994" AFTER SITE CLEARING, BUT PRIOR TO CONSTRUCTION, THE GRADES, ELEVATIONS, AND LOCATIONS WILL BE FIELD VERIFIED BY THE CONTRACTOR AND ANY DIFFERENCES PRESENTED TO DIPRETE ENGINEERING. IT IS ESSENTIAL THAT ANY DISCREPANCIES IN THE MAPPING BE DEALT WITH PRIOR TO CONSTRUCTION COMMENCEMENT.

Legend

PROPERTY LINE	---
INTERNAL LOT LINE	---
ASSESSOR LINE	---
EDGE OF PAVEMENT	---
ZONING BOUNDARY	---
SOIL BOUNDARY LINE	---
TREELINE	---
WETLAND EDGE	---
WETLAND HATCH	---
STREAM CENTERLINE	---
50' PERIMETER WETLAND	---
100' RIVERBANK WETLAND	---
WETLAND FLAG	---
EXISTING WELL	---
BUILDING	---
TEST PIT	---

DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 tel 401-943-1000 fax 401-461-6066 www.diprete-eng.com
 Boston • Providence • Newport

MICHAEL E. GAVITT
 1981
 PROFESSIONAL LAND SURVEYOR

Certification:
 THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV SURVEY AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

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The contractor is responsible for all of the means, methods, and safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

Drawn By: J.A.R.
 Design By: J.A.R.

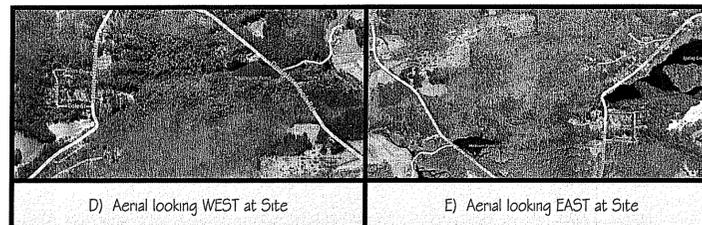
No.	Date	Description	By:
1	02/13/2015	ISSUED FOR CONSTRUCTION	J.A.R.
2	02/13/2015	ISSUED FOR CONSTRUCTION	J.A.R.
3	02/13/2015	ISSUED FOR CONSTRUCTION	J.A.R.
4	02/13/2015	ISSUED FOR CONSTRUCTION	J.A.R.

Existing Conditions Plan
Spring Grove Road
 Assessor's Plat 13 Lot 163
 Gloucester, Rhode Island 02814
 Applicant: **Adler Brothers Construction Co.**
 604 Putnam Pike, Greenville, Rhode Island 02828

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 10 2015 FILE # 14-0202
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Scale: 1"=100'

Environmental Management
 JUN 16 2015
 Office of Water Resources



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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 DATED JUL 10 2015 FILE # 14-2202
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Signature & Seal

DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 tel 401-943-1000 fax 401-664-6006 www.diprete-eng.com
 Boston • Providence • Newport

DAVID A. RUSSO
 No. [Seal]
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

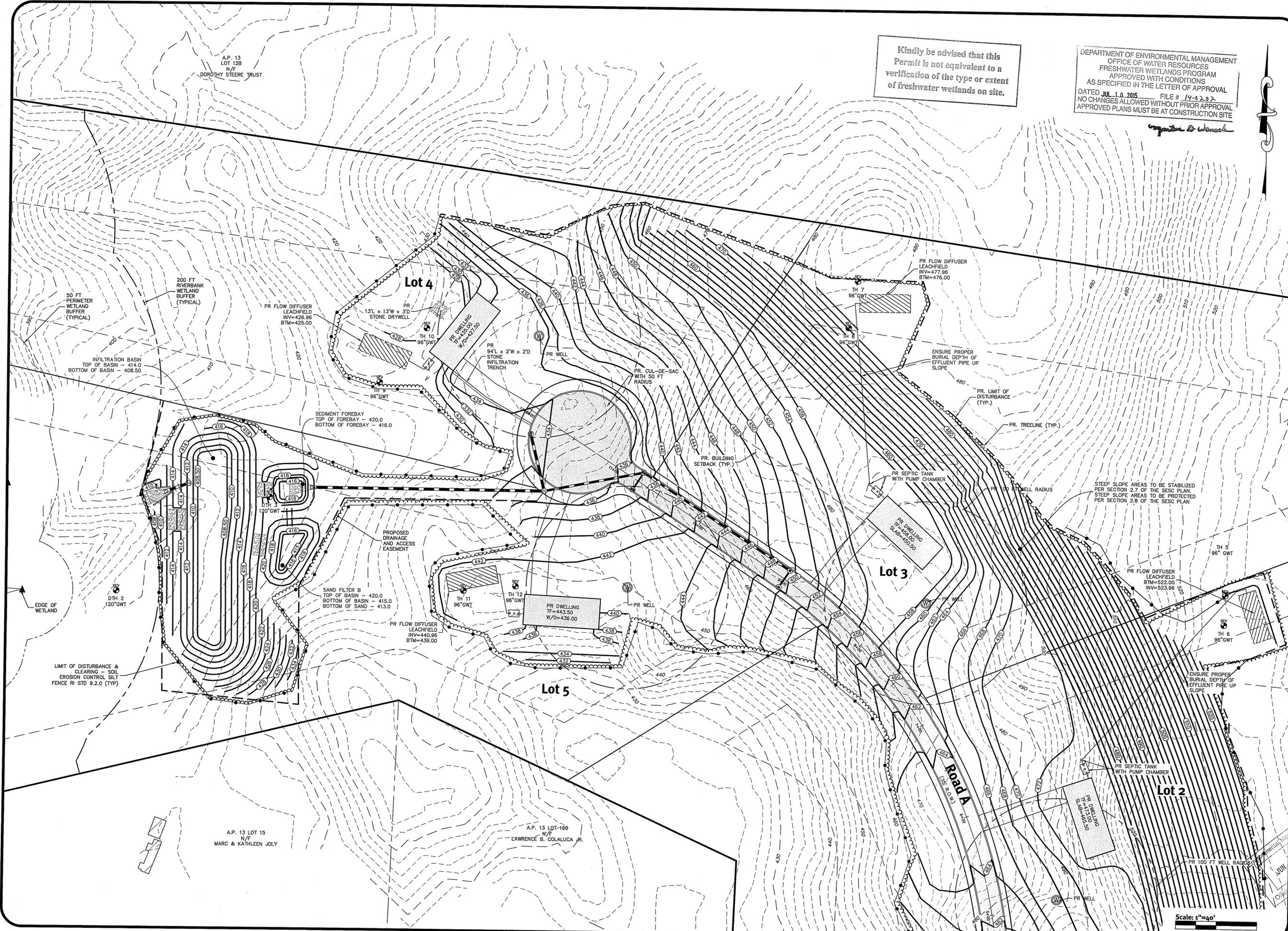
This regulatory submission set shall not be used for any other purpose unless stamped "Issued for Construction" and signed by a DiPrete Engineering representative.

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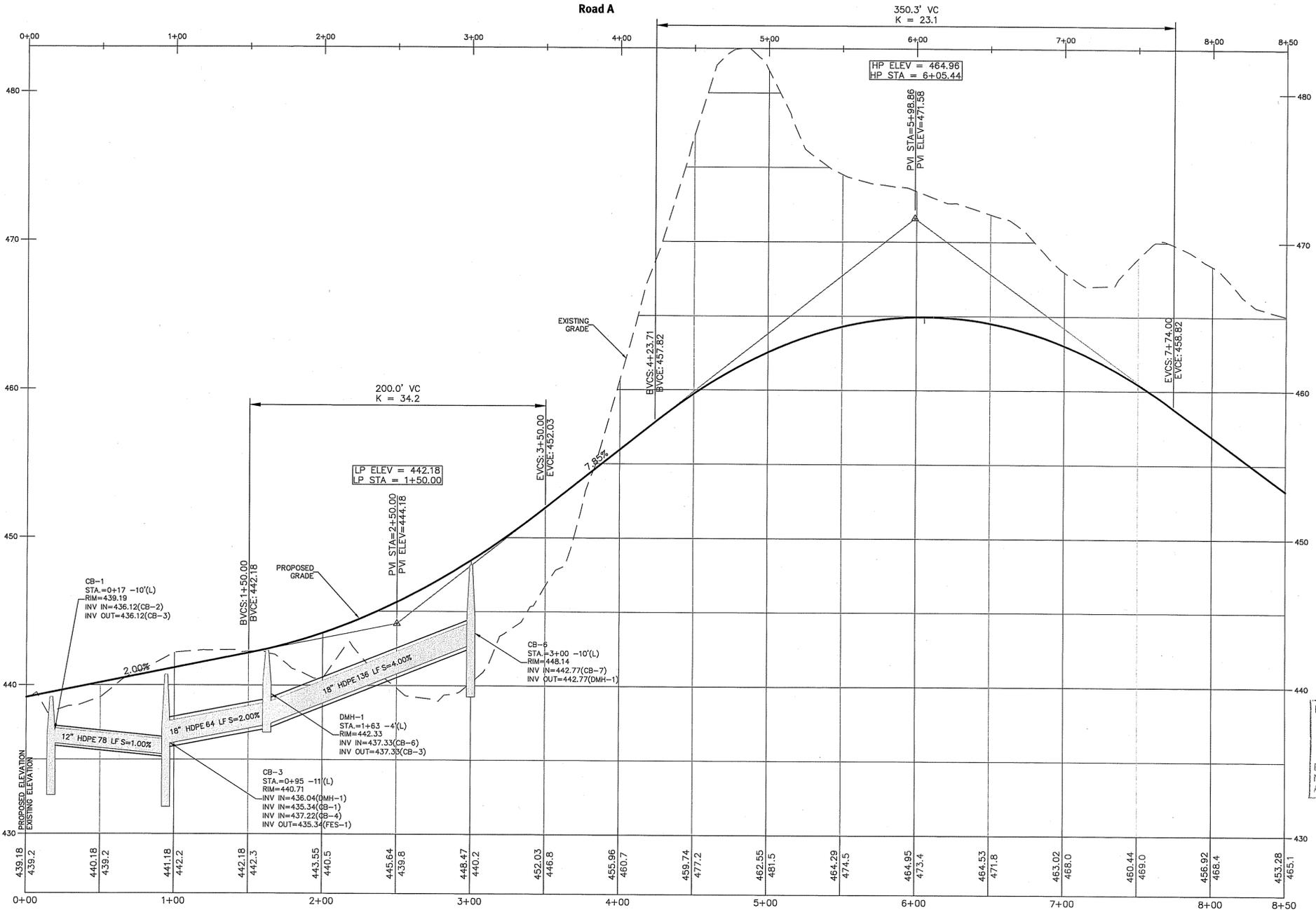
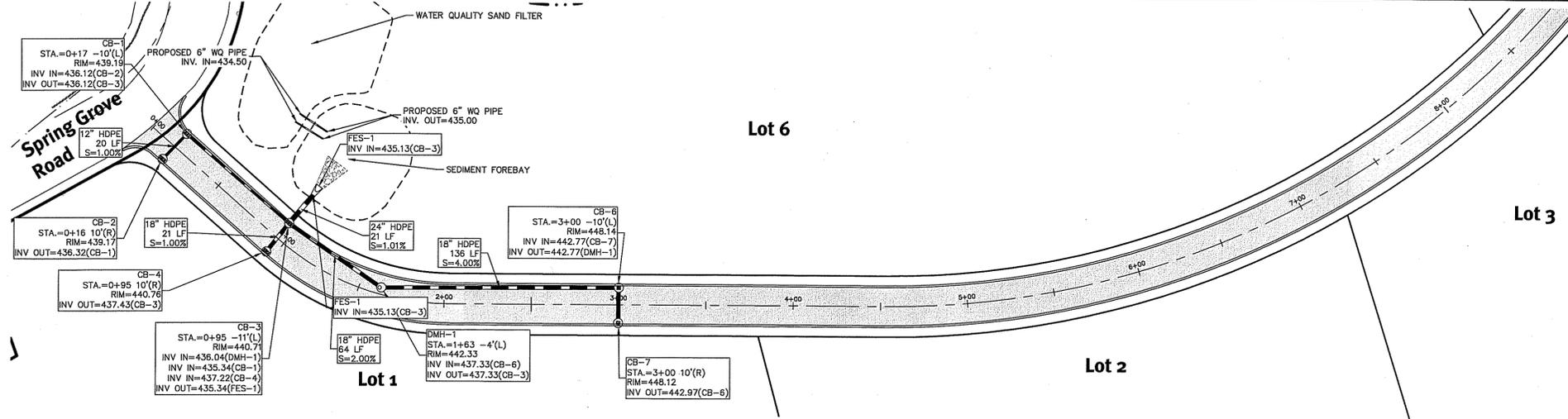
No.	Date	Description	By:
1	02-20-2015	ISSUED FOR CONSTRUCTION	J.A.R.
2	02-20-2015	REVISIONS TO COMMENTS	M.S.K.
3	02-20-2015	ISSUED FOR CONSTRUCTION	J.A.R.
4	07-20-2015	ISSUED FOR CONSTRUCTION	J.A.R.
5	07-20-2015	MASTER PLAN SUBMISSION	J.A.R.

Design By: J.A.R.

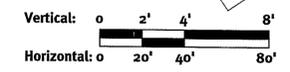
Grading Plan 2
Spring Grove Road
 Assessor's Plat 03 of 63
 Gloucester, Rhode Island 02884
 Applicant: **Adler Brothers Construction Co.**
 604 Putnam Pike, Greenville, Rhode Island 02888
 DE Job No: 2139-002 Copyright 2015 by DiPrete Engineering Associates, Inc.



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Profile - Road A
Sta. 0+00 To 8+50



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED **JUL 10 2015** FILE # **15-0202**
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Signature

Environment Management
Office of Water Resources
JUN 16 2015

P&P Road A - Sta. 0+00 - 8+50
Spring Grove Road
Applicant: Gloucester, Rhode Island 02814
Adler Brothers Construction Co.
604 Putnam Pike, Greenville, Rhode Island 02828

DAVID A. RUSSO
No. 14355
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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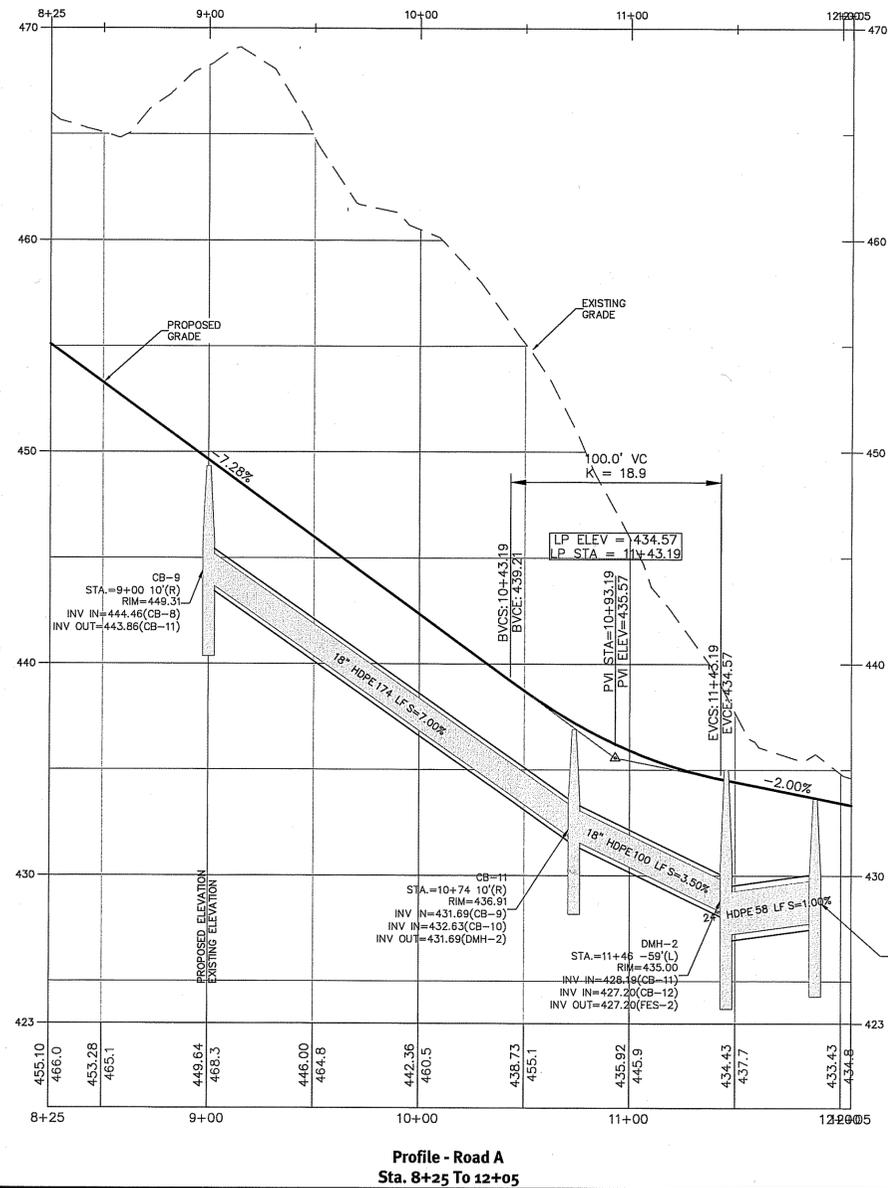
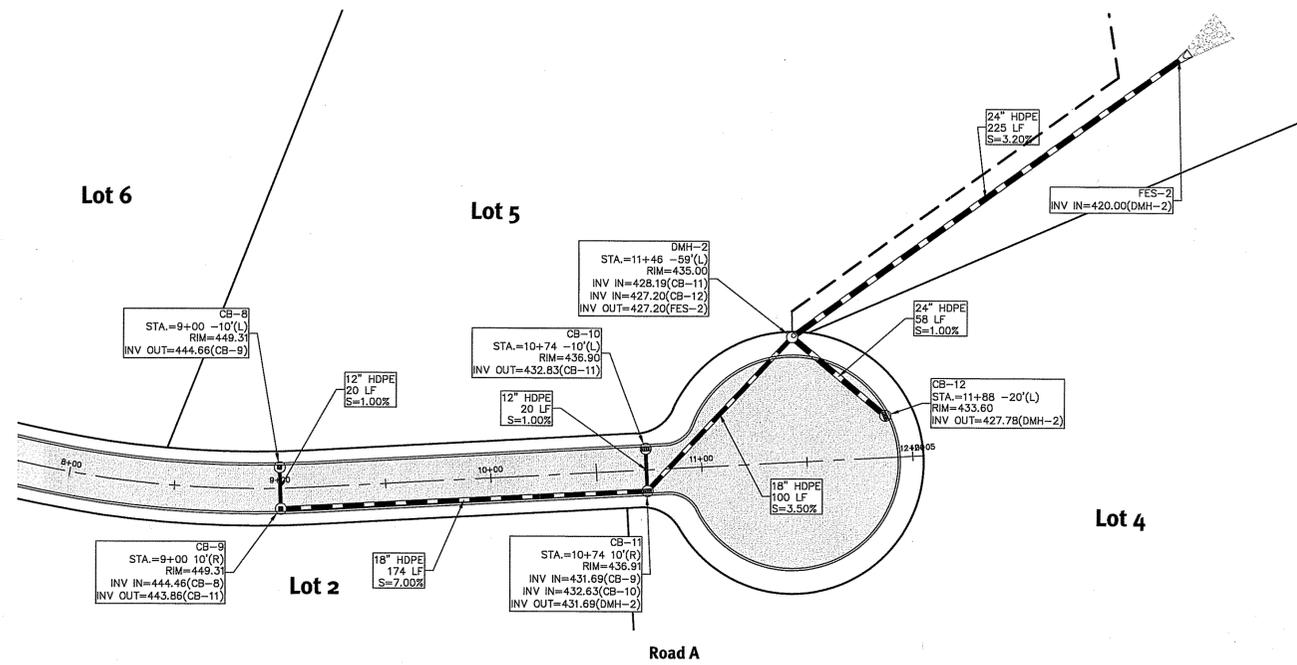
No.	Date	Description	By:
1	07-20-2015	Final Response to Comments	J.A.R.
2	07-20-2015	Final Response to Comments	J.A.R.
3	07-20-2015	Final Site Submittal Comments	J.A.R.
4	07-20-2015	Final Site Submittal	J.A.R.
5	07-20-2015	Final Site Submittal	J.A.R.
6	07-20-2015	Final Site Submittal	J.A.R.
7	07-20-2015	Final Site Submittal	J.A.R.
8	07-20-2015	Final Site Submittal	J.A.R.
9	07-20-2015	Final Site Submittal	J.A.R.
10	07-20-2015	Final Site Submittal	J.A.R.

Drawn By: J.A.R. Design By: D.A.R.

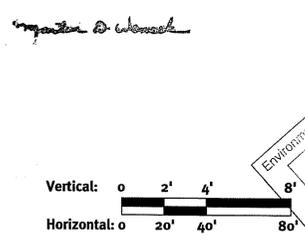
DiPrete Engineering
Two Stafford Court Cranston, RI 02920
Tel: 401-943-1000 Fax: 401-464-6006 www.diprete-eng.com
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 10 2015 FILE # 14-0202
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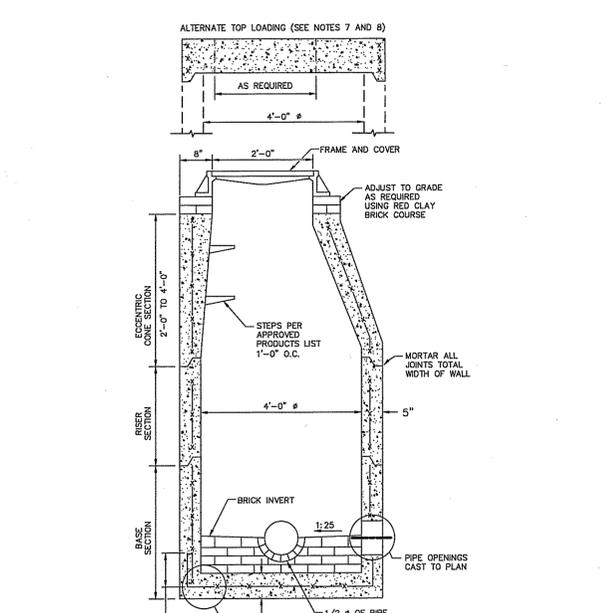


DAVID A. RUSSO
 No. 14325
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

This regulatory submission set shall not be used for construction purposes unless stamped 'Issued for Construction' and signed by a DiPrete Engineering representative.
 The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	By:	Design By: D.A.R.
1	6-23-2015	RDMA Response to Comments	J.A.R.	
2	12-2-2014	RDMA Site Submittal Comments	D.A.R.	
3	11-26-2014	RDMA Wetland Submission	D.A.R.	
4	10-20-2014	RDMA Submission	D.A.R.	

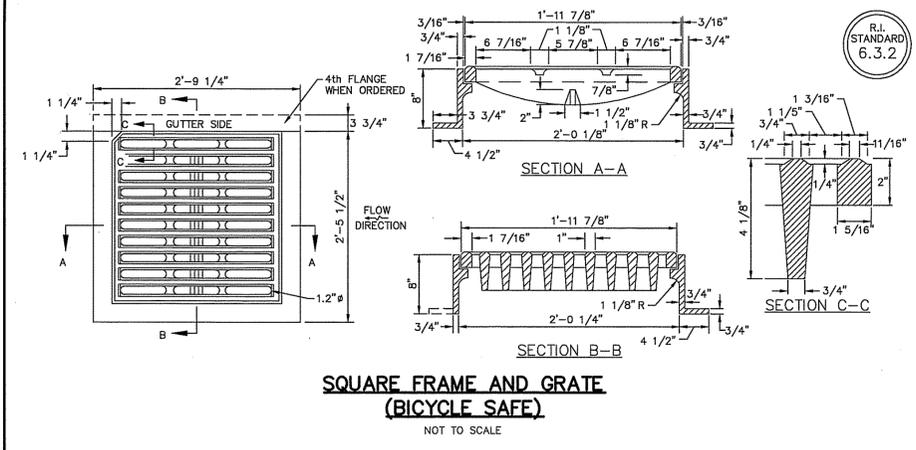
P&P Road A - Sta. 8+25 - 12+05
 Spring Grove Road
 Assessor's Plat 13 Lot 163
 Gloucester, Rhode Island 02884
 Applicant:
Adler Brothers Construction Co.
 604 Putnam Pike, Greenville, Rhode Island 02826



PRECAST 4'-0" ROUND MANHOLE
NOT TO SCALE

R.I. STANDARD 4.2.0

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. 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.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.



SQUARE FRAME AND GRATE (BICYCLE SAFE)
NOT TO SCALE

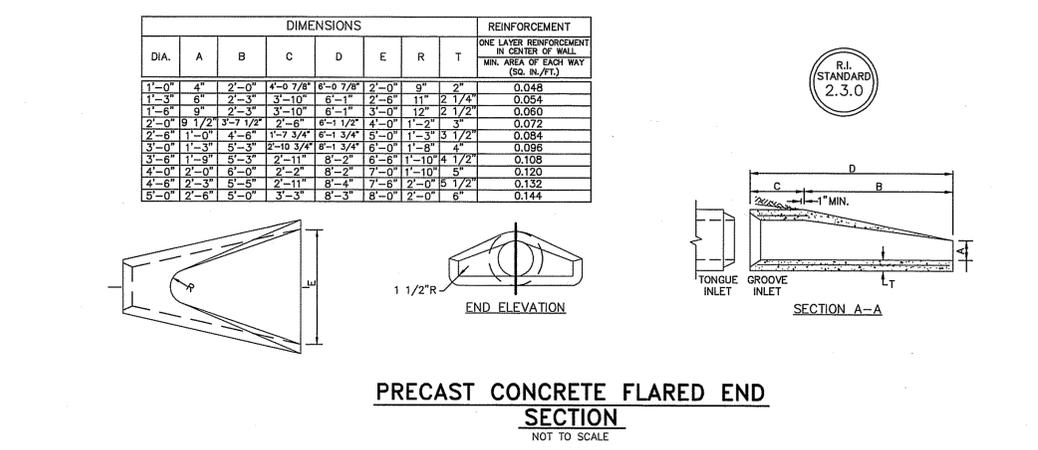
R.I. STANDARD 6.3.2

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

HEAVY-DUTY ROUND FRAME AND COVER
NOT TO SCALE

R.I. STANDARD 6.2.1

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.



PRECAST CONCRETE FLARED END SECTION
NOT TO SCALE

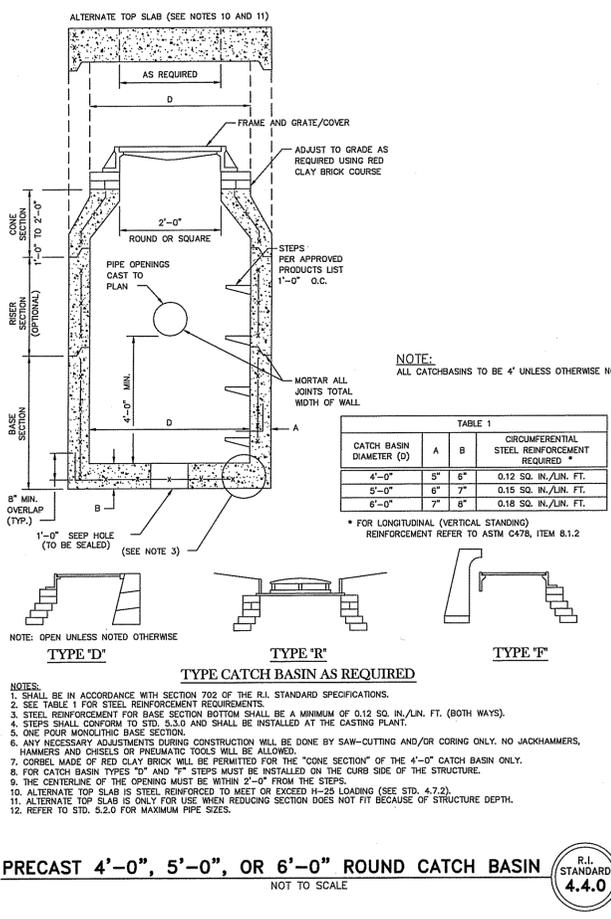
R.I. STANDARD 2.3.0

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"	2'-6"	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'-6"	6'-1 1/2"	4'-0"	1'-2"	3"	0.072
2'-6"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	1'-3"	3 1/2"	0.084
3'-0"	1'-3"	5'-3"	2'-10 3/4"	6'-1 3/4"	6'-0"	1'-6"	4"	0.096
3'-6"	1'-9"	5'-3"	2'-11"	8'-2"	6'-8"	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'-5"	3'-3"	8'-3"	8'-0"	2'-0"	6"	0.144

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. 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.



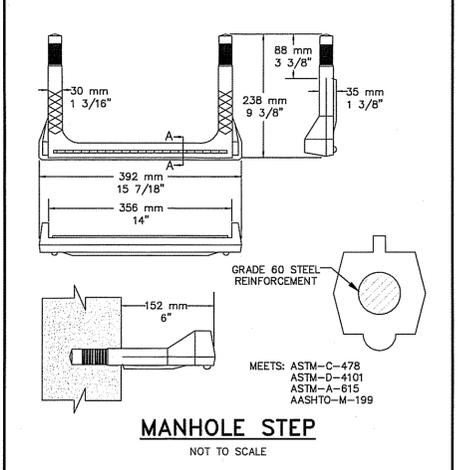
PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
NOT TO SCALE

R.I. STANDARD 4.4.0

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

CATCH BASIN DIAMETER (D)	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED *		
	A	B	
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.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

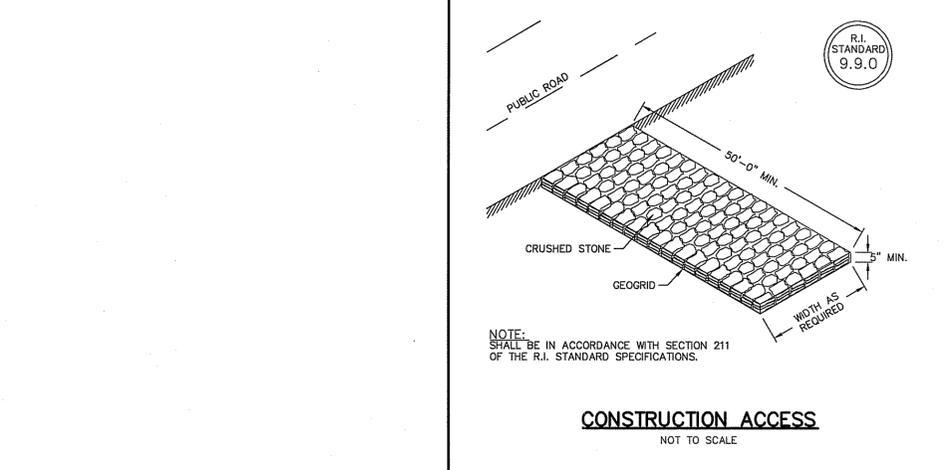


MANHOLE STEP
NOT TO SCALE

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

DRAINAGE TRENCH DETAIL
NOT TO SCALE

NOTE: DRAINAGE PIPE TO BE RCP CLASS III UNLESS OTHERWISE NOTED

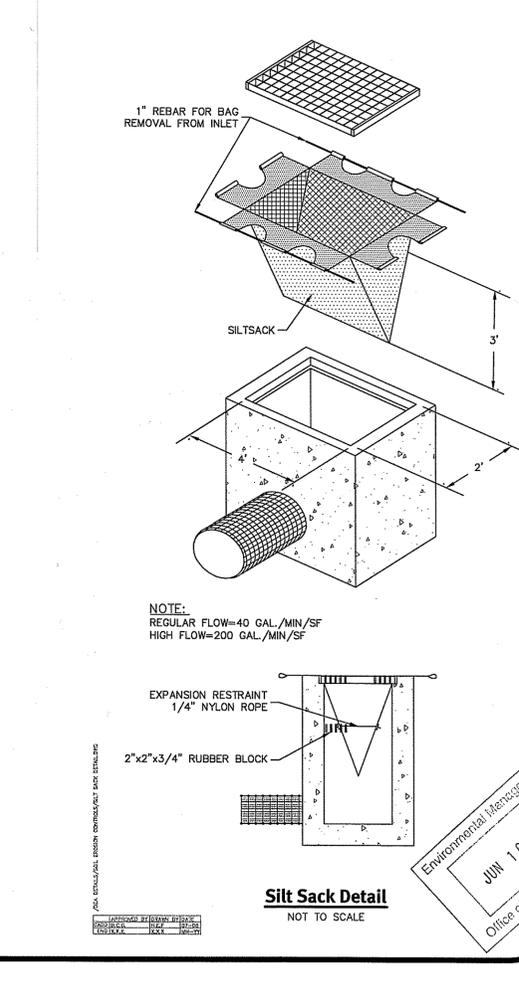


CONSTRUCTION ACCESS
NOT TO SCALE

R.I. STANDARD 9.9.0

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Silt Sack Detail
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NOTE: REGULAR FLOW=40 GAL./MIN/SF
HIGH FLOW=200 GAL./MIN/SF

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No. 14785
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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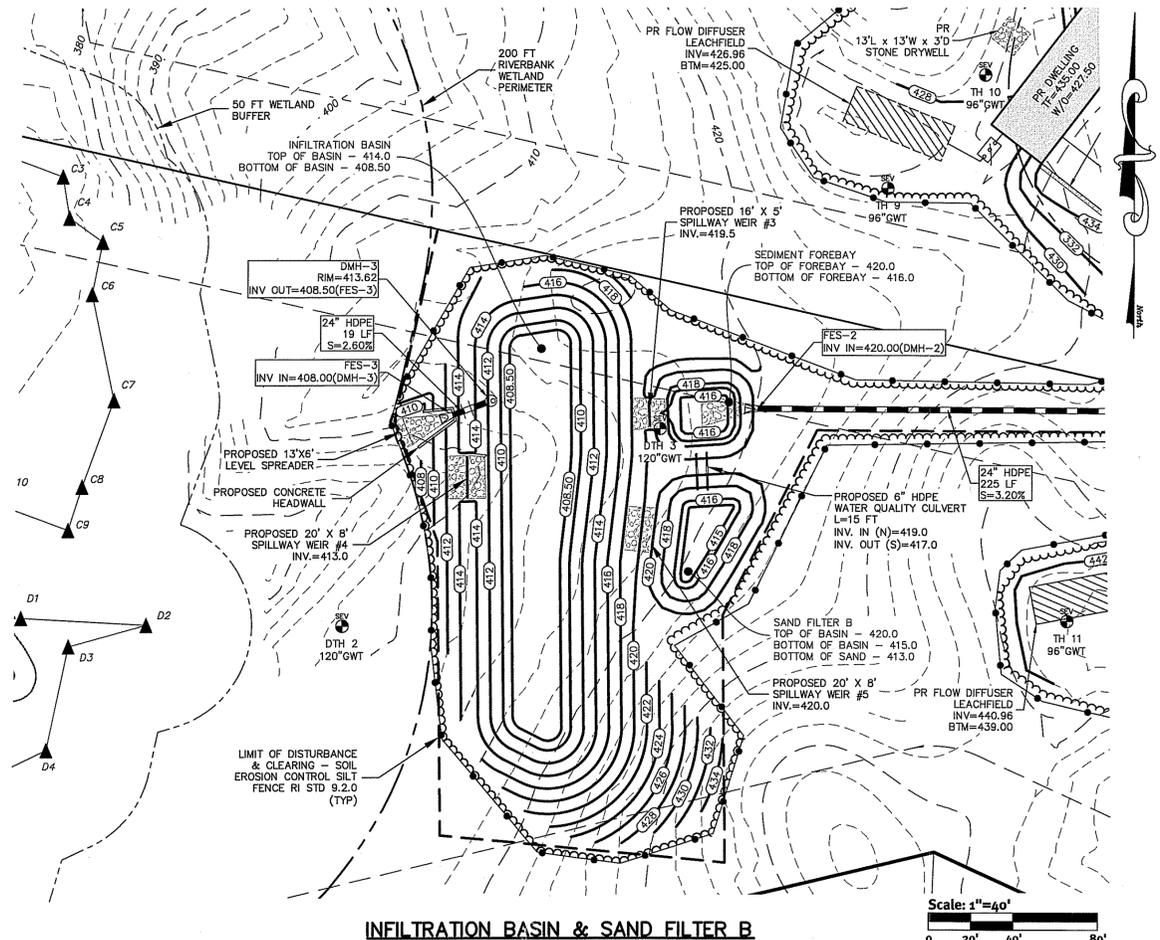
The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA conformance in the implementation of this plan and design.

Design By: J.A.R.

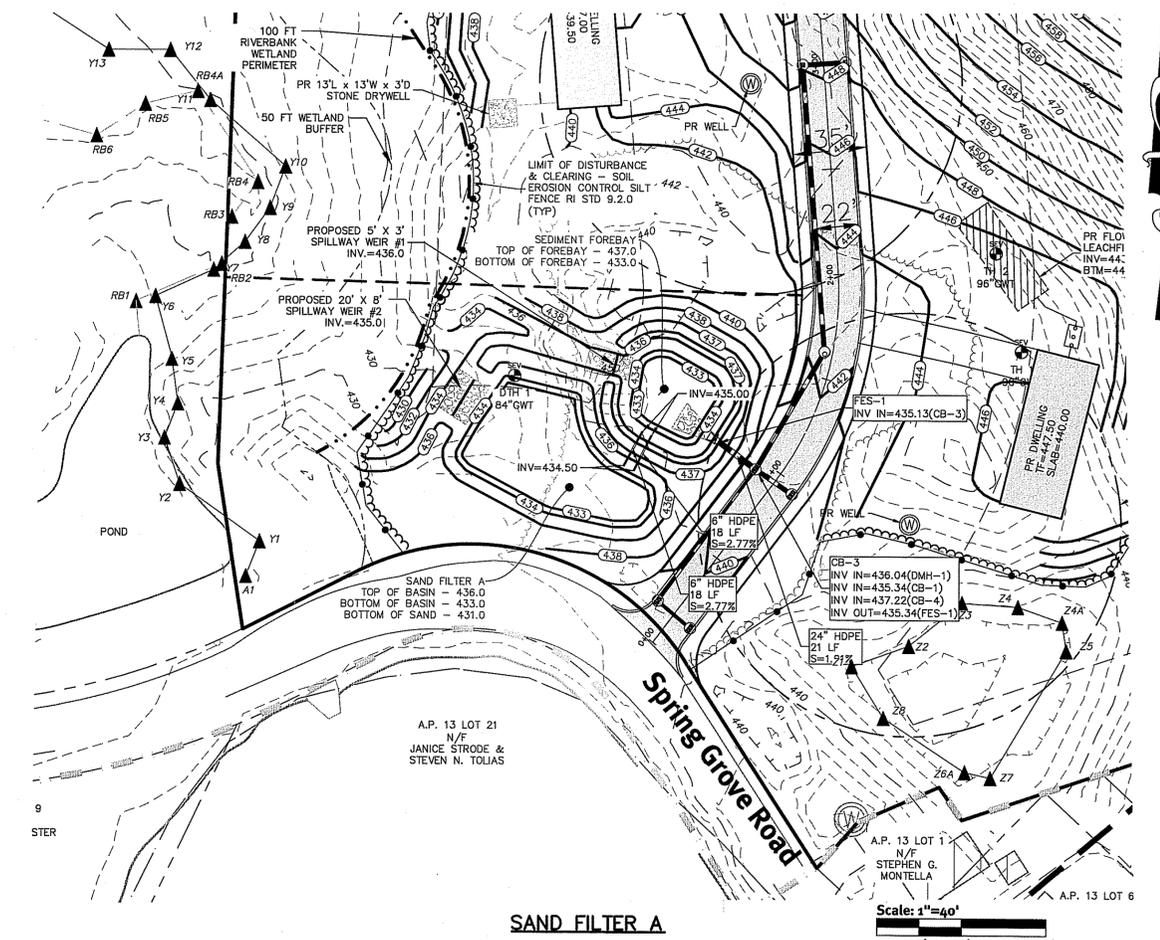
Spring Grove Road
Assessor's Plot 163
Gloster, Rhode Island 02884

Adler Brothers Construction Co.
606 Putnam Pike, Greenville, Rhode Island 02888

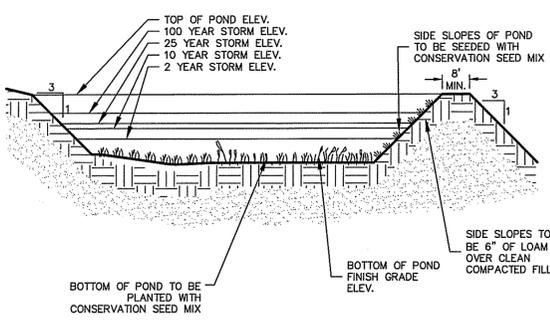
DE Job No: 2339-002 Copyright 2015 by DiPrete Engineering Associates, Inc.



INFILTRATION BASIN & SAND FILTER B

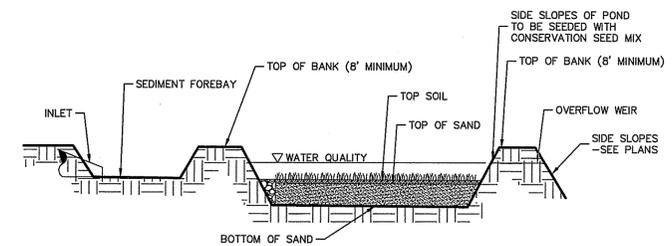


SAND FILTER A



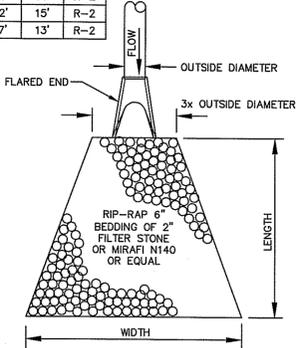
INFILTRATION BASIN TYPICAL CROSS SECTION
NOT TO SCALE

DESCRIPTION	INF. BASIN	SAND FILTER A	SAND FILTER B
TOP OF POND ELEVATION	414.00	436.00	420.00
BOTTOM OF POND	408.50	433.00	415.00
100 YEAR STORM ELEVATION	412.66	435.07	419.56
25 YEAR STORM ELEVATION	410.34	435.05	419.47
10 YEAR STORM ELEVATION	409.27	435.04	419.42
2 YEAR STORM ELEVATION	408.50	433.58	417.35
SEASONAL HIGH GWT ELEVATION	404.0	431.0	410.0
SOIL EVALUATION DTH-2	10.0	7.0	10.0



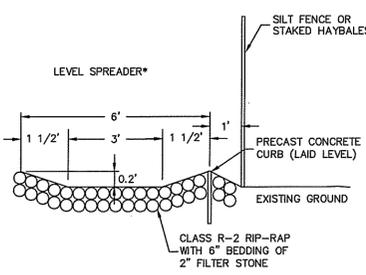
SAND FILTER TYPICAL CROSS SECTION
NOT TO SCALE

LOCATION	LENGTH	WIDTH	CLASS
FES 1	18	14	R-2
FES 2	22	15	R-2
FES 3	17	13	R-2

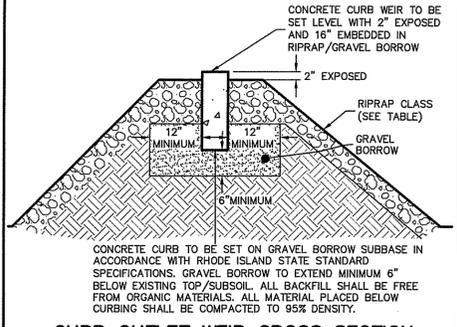


RIP-RAP APRON DETAIL
NOT TO SCALE

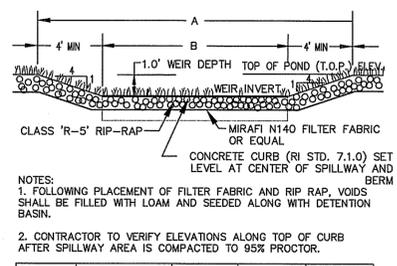
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Level Spreader
NOT TO SCALE



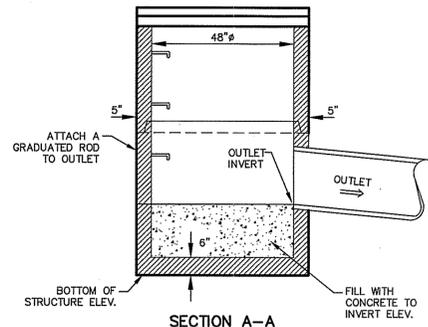
CURB OUTLET WEIR CROSS SECTION
NOT TO SCALE



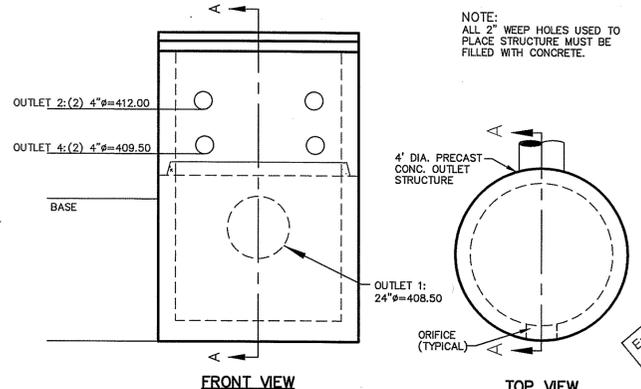
OVERFLOW WEIR DETAIL
NOT TO SCALE

NOTES:
1. FOLLOWING PLACEMENT OF FILTER FABRIC AND RIP RAP. VOIDS SHALL BE FILLED WITH LOAM AND SEEDED ALONG WITH DETENTION BASIN.
2. CONTRACTOR TO VERIFY ELEVATIONS ALONG TOP OF CURB AFTER SPILLWAY AREA IS COMPACTED TO 95% PROCTOR.

LOCATION	T.O.P. ELEVATION	WEIR INVERT	WIDTH	DEPTH
OVERFLOW WEIR 1	437.0	435.6	18.00	10.00
OVERFLOW WEIR 2	436.0	434.0	20.00	28.00
OVERFLOW WEIR 3	420.00	419.5	24.00	16.00
OVERFLOW WEIR 4	414.00	413.0	28.00	20.00
OVERFLOW WEIR 5	420.50	420.0	28.00	20.00



4' DIA. OUTLET STRUCTURE (DMH-3)
NOT TO SCALE



TOP VIEW

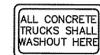
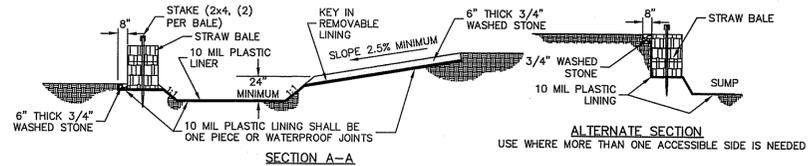
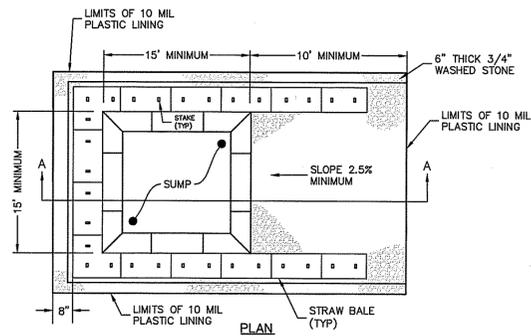
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DAWD A. RUSSO
No. 14325
REGISTERED PROFESSIONAL ENGINEER CIVIL

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No.	Date	Description	Design By: D.A.R.
1	6-12-2015	J.A.R. Responses to Comments	
2	6-12-2015	D.A.R. Responses to Comments	
3	11-25-2014	R.I.S.P. Site Submittal Comments	
4	11-25-2014	R.I.S.P. Wetland Submission	
5	07-29-2014	Final Submission	

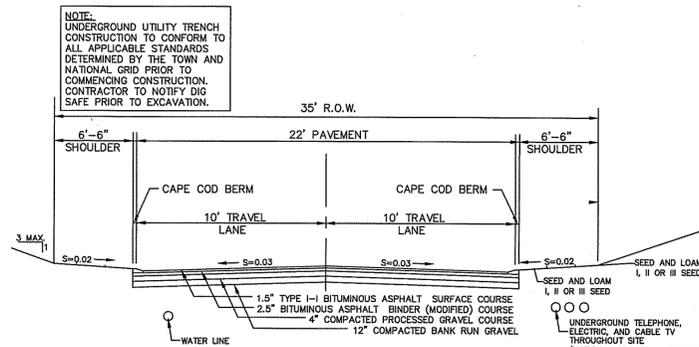
Spring Grove Road
Assessor's Plan No. 04163
Gloicester, Rhode Island 02884
Applicant: **Adler Brothers Construction Co.**
604 Putnam Pike, Greenville, Rhode Island 02826
Environmental Management
JUN 16 2015
Office of the
Detail Sheet 2
SHEET 10 OF 11



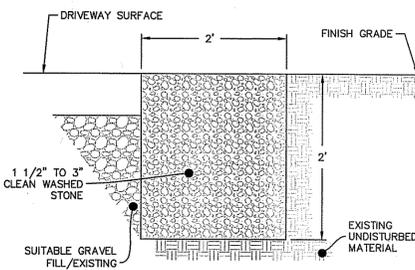
Concrete Washout Area
(NOT TO SCALE)

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. SAWCUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT AND GRINDING TO BE DISPOSED OF IN THE PIT.
6. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, AND SURFACE WATERS.
7. MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.



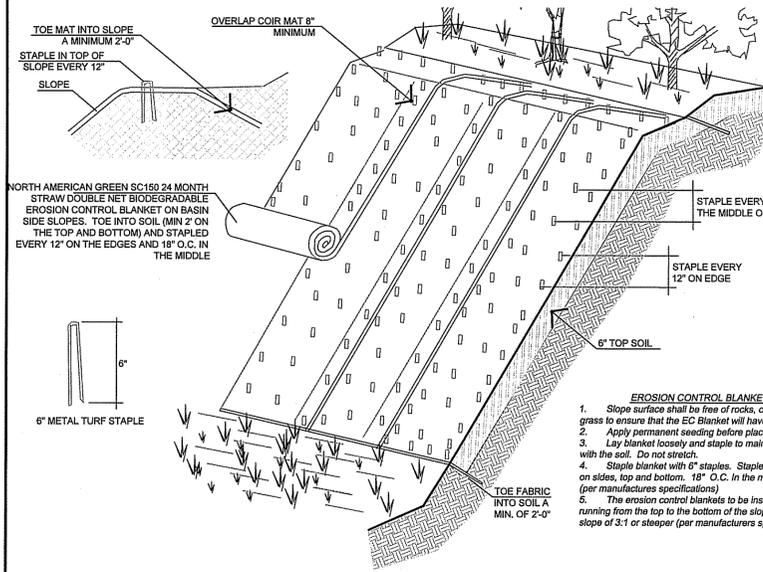
CONSTRUCTION CROSS SECTION
NOT TO SCALE



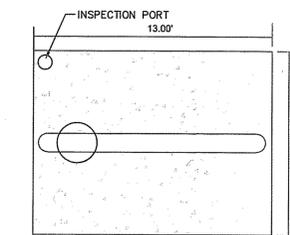
Perimeter Stone Trench
NOT TO SCALE

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Signature



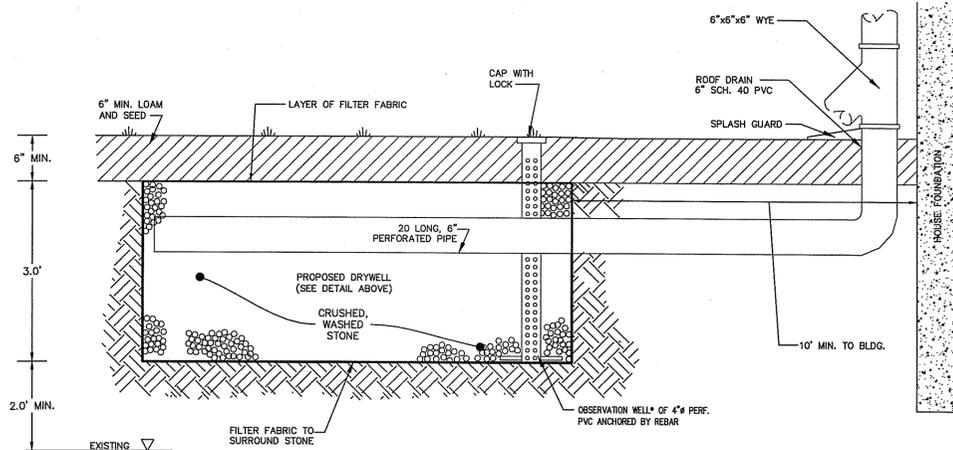
EROSION CONTROL BLANKET DETAIL
NOT TO SCALE



HOUSE DRYWELL DETAIL (PLAN)
NOT TO SCALE

CONSTRUCTION, MAINTENANCE, & INSPECTION NOTES:

1. ROOF LEADERS ARE TO BE TIED INTO PROPOSED DRYWELLS.
2. 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.
3. PLACE FILTER FABRIC ALONG THE BOTTOM AND SIDES OF TRENCH AND FILL WITH CRUSHED, WASHED STONE.
4. OVERLAP FILTER FABRIC ON THE TOP OF THE FILTER STONE. BACK FILL WITH CLEAN FILL TO FINISH GRADE.
5. (*) MONITORING WATER LEVELS WITHIN THE INSPECTION PORT AT VARIOUS TIME 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. THE OWNER WILL MAINTAIN THE DRAINAGE COMPONENTS.



HOUSE DRYWELL CONNECTION DETAIL
NOT TO SCALE

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Rev.	Date	Description	By:	Drawn By:
1	07/21/2014	Master Plan Submission	J.A.R.	D.A.R.
2	07/21/2014	Master Plan Submission	J.A.R.	D.A.R.
3	11-25-2014	RI DEMA Wetland Submission	J.A.R.	D.A.R.
4	07-29-2015	RI DEMA Response to Comments	J.A.R.	D.A.R.
5	07-29-2015	RI DEMA Response to Comments	J.A.R.	D.A.R.
6	07-29-2015	RI DEMA Response to Comments	J.A.R.	D.A.R.

Detail Sheet 3
Spring Grove Road
Assessor's Plot Lot 143
Glocester, Rhode Island 02884
Adler Brothers Construction Co.
604 Putnam Pike, Greenville, Rhode Island 02828

Environmental Management
JUN 16 2015
Office of Water

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