

RIDEM Preliminary Determination

Blossom Way/ Robinson Street

Narragansett, Rhode Island

Assessor's Plat Q Lot 62, Assessor's Plat D Lots 140 A and 141 A

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

Sheet Index

1. Cover Sheet
2. Existing Conditions Survey
3. Preliminary Subdivision
4. Utility Plan
5. Right of Way Road Extensions
6. Detail Sheet - 1
7. Detail Sheet - 2

DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 Tel: 401-943-1000 Fax: 401-943-6000 www.diprete-eng.com

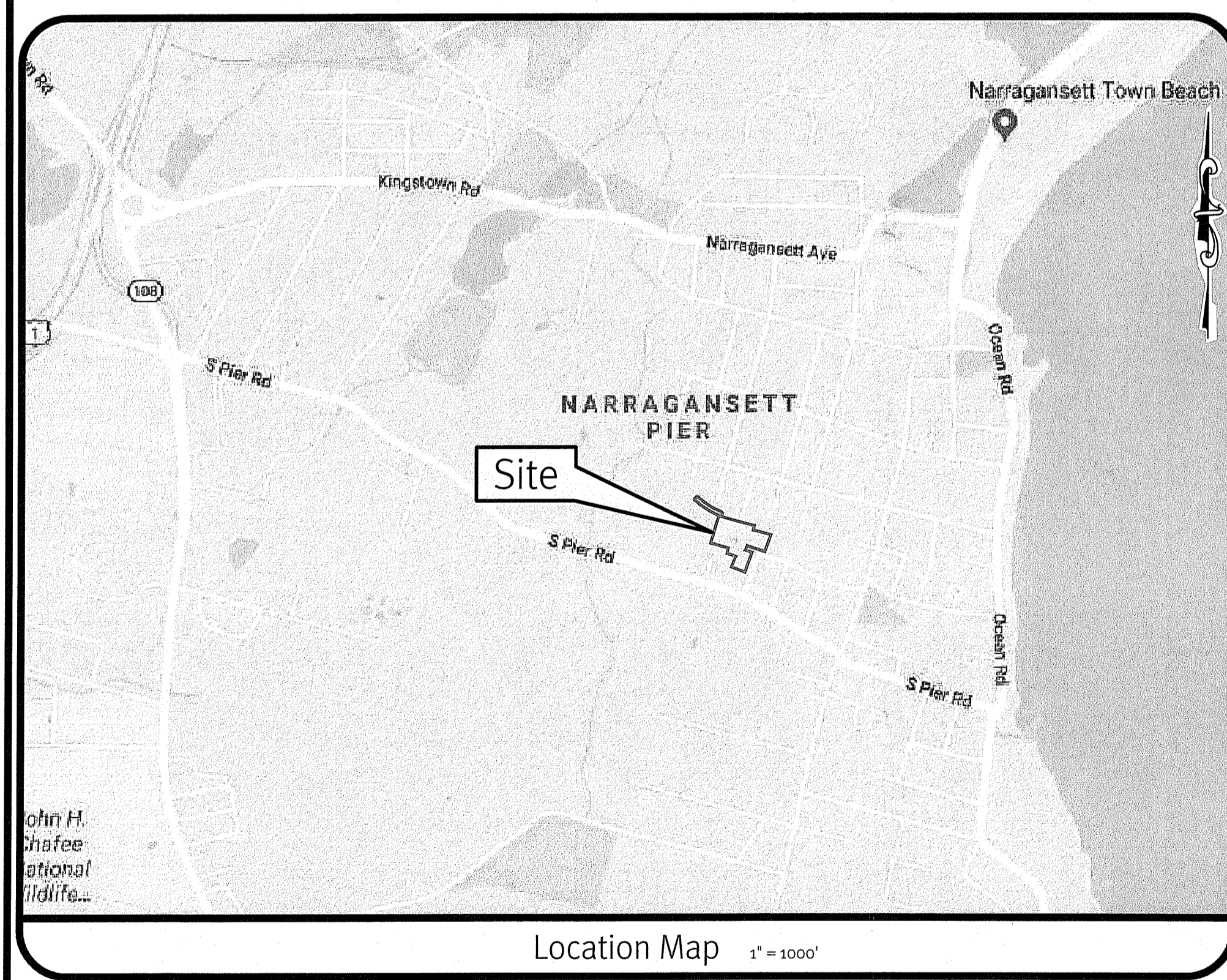
JASON P. CLOUGH
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

This regulatory submission set shall not be used for any other project unless specifically issued for Construction and signed by a DiPrete Engineering representative.

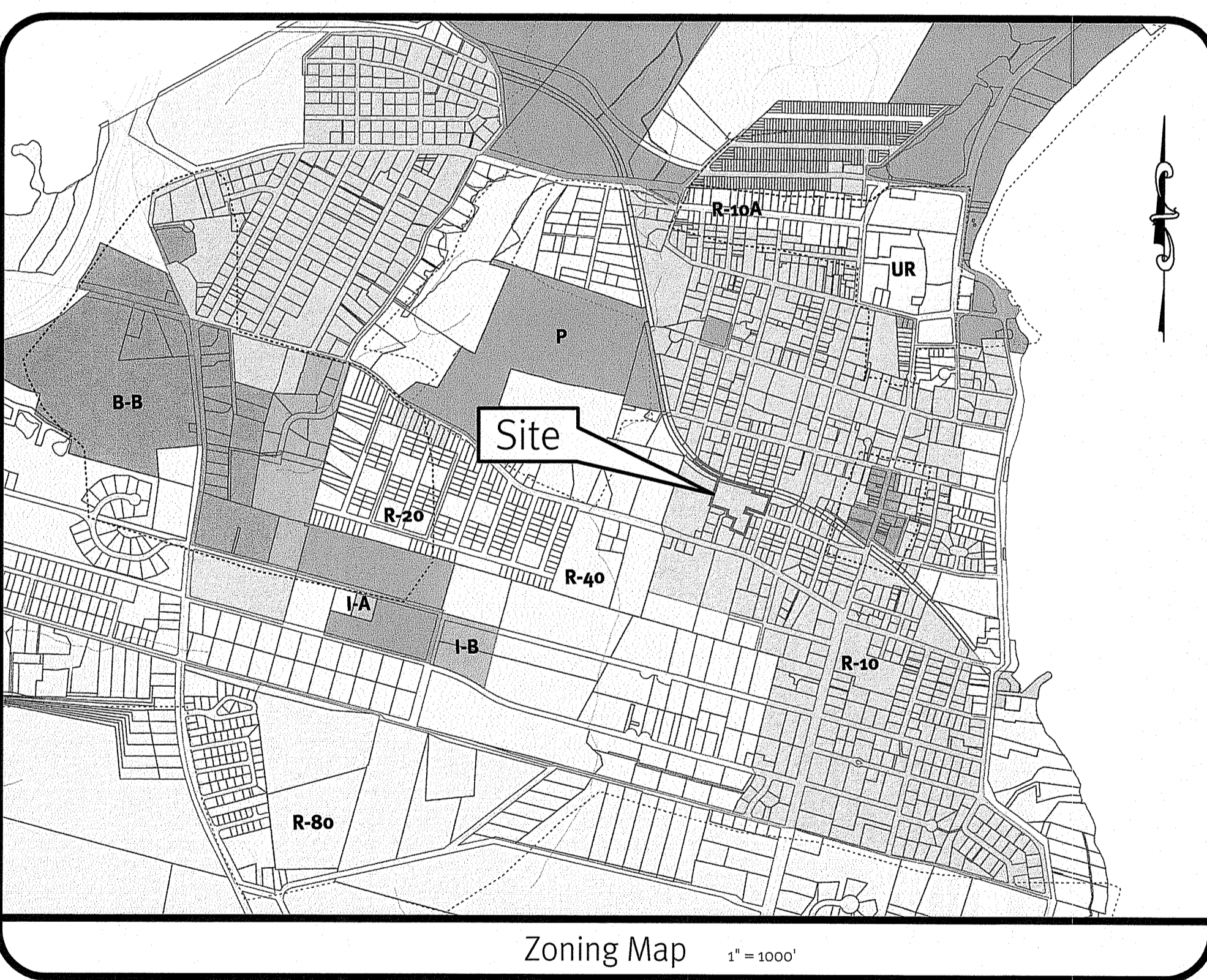
The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	By:
1	05-29-2020	RIDEM Preliminary Determination	J.A.D.
2	07-28-2020	RIDEM Preliminary Determination	J.A.D.
3			

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



Location Map 1" = 1000'



Zoning Map 1" = 1000'



Aerial and Soil Map 1" = 1000'

JUN 29 2020

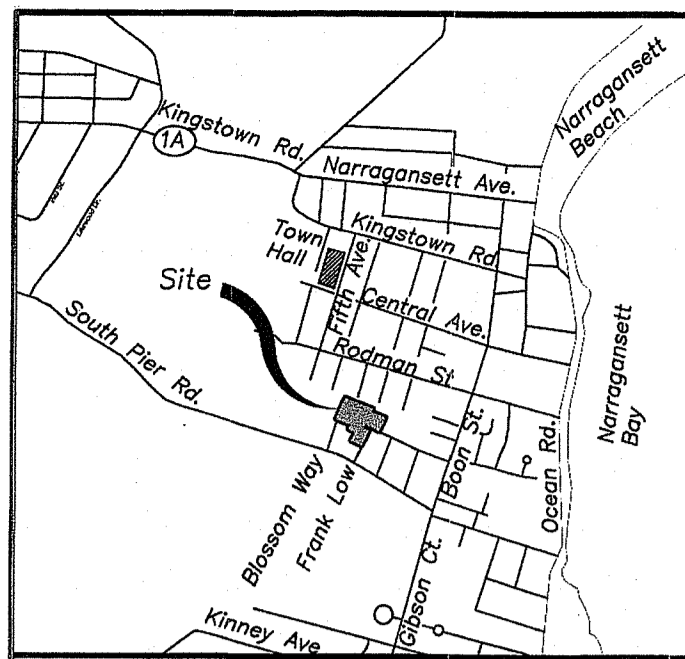
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED AUG 07 2020 FILE # 20-0040
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Cover Sheet
 Blossom Way/Robinson Street
 Plat Q Lot 62, Plat D Lots 140 A & Lot 141 A
 Narragansett, Rhode Island
 Owner/Applicant:
Deslandes Realty, LLC
 126 Bellows Street, Warwick, RI 02888

z:\vmain\projects\2688-001 Frank low street\autocad drawings\2688-001 cover.dwg Plotdate: 6/24/2020

John H. Chafee
 National Wildlife

DE-001-NR-2688-001, Copyright 2020 by DiPrete Engineering Associates, Inc.

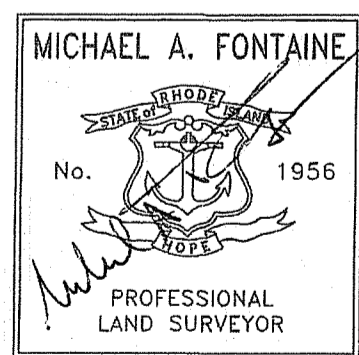


Notes:
Not to Scale

- The underground utilities shown have been located from field survey information and existing drawings. The Surveyor makes no guarantee 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 indicated although he does certify that they are located as accurately as possible from information available. The Surveyor has not physically located the underground utilities. (Please contact DIGSAFE prior to construction @ 1-888-344-7233.)
- Project site is located within Zone X (Areas determined to be outside the 0.2% annual chance floodplain) as shown on F.E.M.A. Flood Insurance rate map for Washington County, Rhode Island, Town of Narragansett, Map No. 44009C0212H having an effective date of October 19, 2010.
- Site falls with the Town of Narragansett High Water Table Limitations Overlay District.
- Wetlands shown hereon are digitized from plan reference #9 with the exception of those wetlands located at the northwest area of the site as noted. W.F.#s A100-A109 & ASSF's W/O #s delineated by Ecotones, Inc. October 2015 and field located by Fontaine Land Surveying, LLC on 10-26-15 for Carrigan Engineering, Inc. and not part of RT Group, Inc.'s original plan.

References:

- Osterville Plat - Section B Part of Perkins Farm at Narragansett, R.I. March 14, 1950 Leon L. Holland Civil Engineer on file in the Narragansett Land Records Land Evidence Book 21, Page 386.
- Mrs. Edith S. Moulton Lots at Narragansett, R.I. April 14, 1925, Corrected to May 7, 1929 T.G. Hazard, Jr. Surveyor on file in the Narragansett Land Records Land Evidence Book 10, Page 84.
- Land at Narragansett, R.I. Owned by James Pasani and William DeMayo December 6, 1945 T.G. Hazard, Jr. Surveyor on file in the Narragansett Land Records.
- Part of "Perkins Farm" at Narragansett Pier, R.I. sold by Thomas Rodman & Thomas G. Hazard, Jr., Trustees to Austin Orando Nov. 15, 1918 T.G. Hazard Jr. Surveyor on file in the Narragansett Land Records Land Evidence Book 7, Page 1.
- Final Minor Subdivision for "Pier Walk Estates" Situated in the Town of Narragansett, Rhode Island March 29, 2002 Easterbrooks & Associates on file in the Narragansett Land Records Plat Book 12, Page 14.
- Map of South Pier Road in the District of Narragansett, Dec. 5, 1893 T.G. Hazard Jr. Surveyor on file in the Narragansett Land Records Plat Book 1, Pages 30-31.
- Survey Plan Showing Easterly Portion of Lot 141 A on Assessor's Plat D at the Southerly Terminus of Robinson Street, Narragansett, R.I. March 21, 2011 Flynn Surveys Inc.
- Subdivision of Land in the Town of Narragansett, R.I. Owned by William J. Marinelli, Lynne M. Fuchs, Roberto L. Marinelli Sept. 1984 A.J. Easterbrooks, C.E.
- Subdivision of Lot 62, Assessor's Plat Q Narragansett, Rhode Island, Deslandes Realty, LLC 620 Warwick Avenue, Warwick Rhode Island Dec. 2009, Steven W. Otten, P.E., RT Group, Inc.
- Town of Narragansett Extension of Rodman Street March 1959 W.R. Easterbrooks, Town Engineer



Certification:

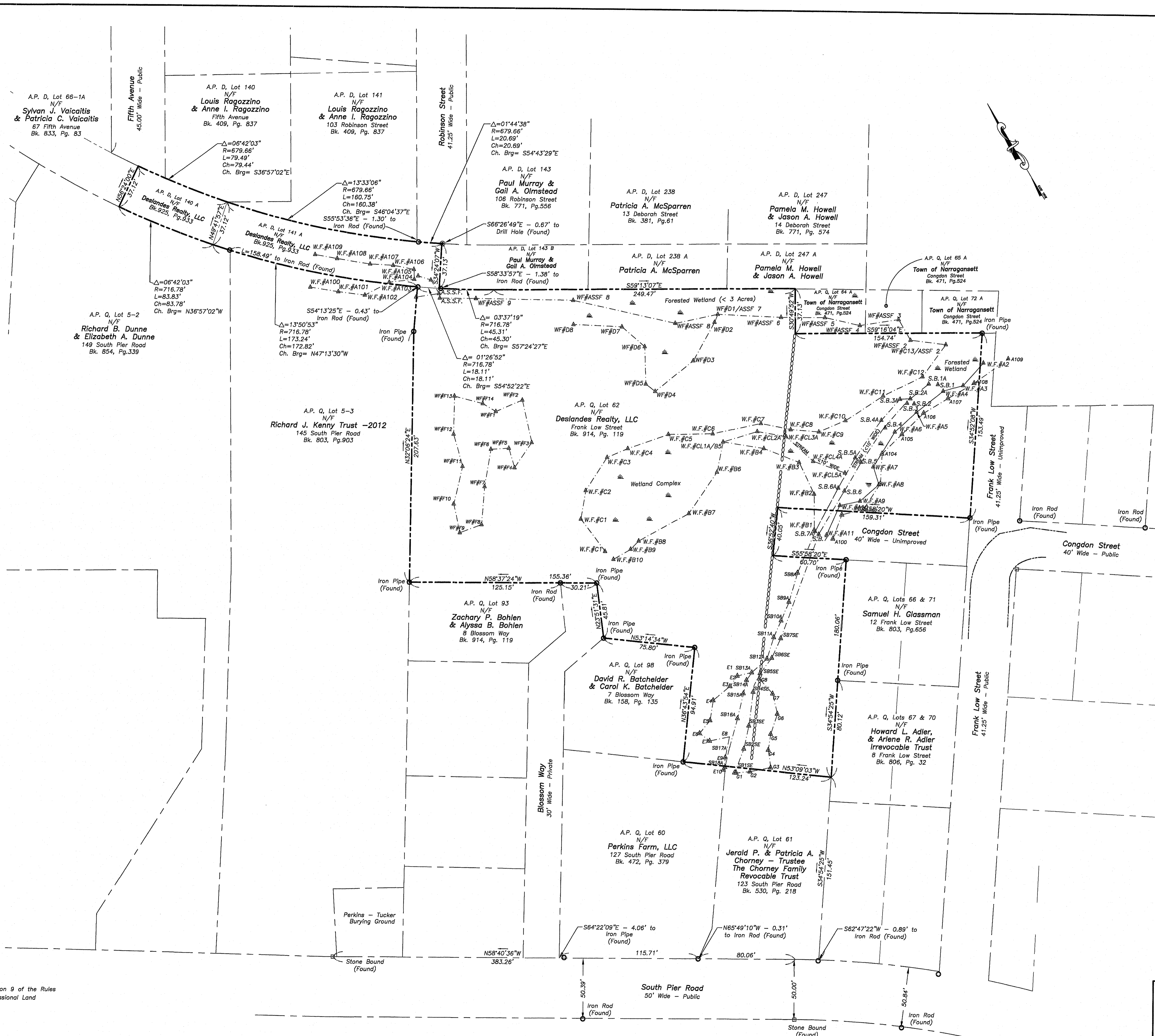
This survey has been conducted and the plan has been prepared pursuant to Section 9 of the Rules and Regulations adopted by the Rhode Island State Board of Registration for Professional Land Surveyors on November 25, 2015, as follows:

Survey Type:
Perimeter Boundary Survey - Class I

The purpose for the conduct of the survey and for the preparation of the plan is as follows:
To perform a Perimeter Boundary Survey for the purpose of preparing an "Existing Boundary Survey Plan".

By: *Michael A. Fontaine* Date: 3-26-19

Michael A. Fontaine, PLS - License No. 15-1956 - C.O.A. No. 15-A553



Street Index:

Blossom Way
Condon Avenue
Frank Low Street
Robinson Street

Owner/Applicant:

Deslandes Realty, LLC
128 Bellows Street
Warwick, RI 02888
(401) 467-7600

Zoning Data:

R-10 Residential Zone
Min. Frontage/Width: 100'
Min. Lot Size: 10,000 s.f.
Max. Building Coverage: 25%
Min. Front Yard: 25'
Min. Side Yard: 10'
Min. Rear Yard: 20'
Max. Bldg. Height: 35'
* Please refer to Zoning Regs. for additional information.

Parcel Data:

A.P. "Q", Lot 62
122,297 s.f. ± or 2.81 Acres ±
A.P. "D", Lot 140-A
3,031 s.f. ± or 0.07 Acres ±
A.P. "D", Lot 141-A
6,920 s.f. ± or 0.16 Acres ±

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
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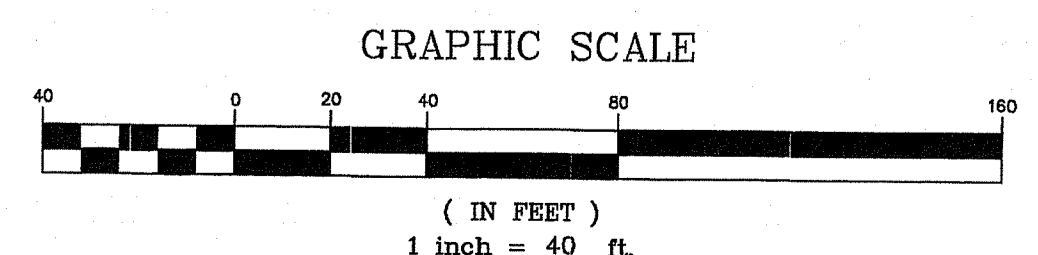
Property Line
Property Line of Lots Merged
Easement Line
Abutter's Line
Building Line
Existing Index Contour
Existing Intermediate Contour
Proposed Contour
Soil Evaluation (S.E.V.)

UNDOCUMENTED EASEMENTS

JUN 29 2020

PRELIMINARY

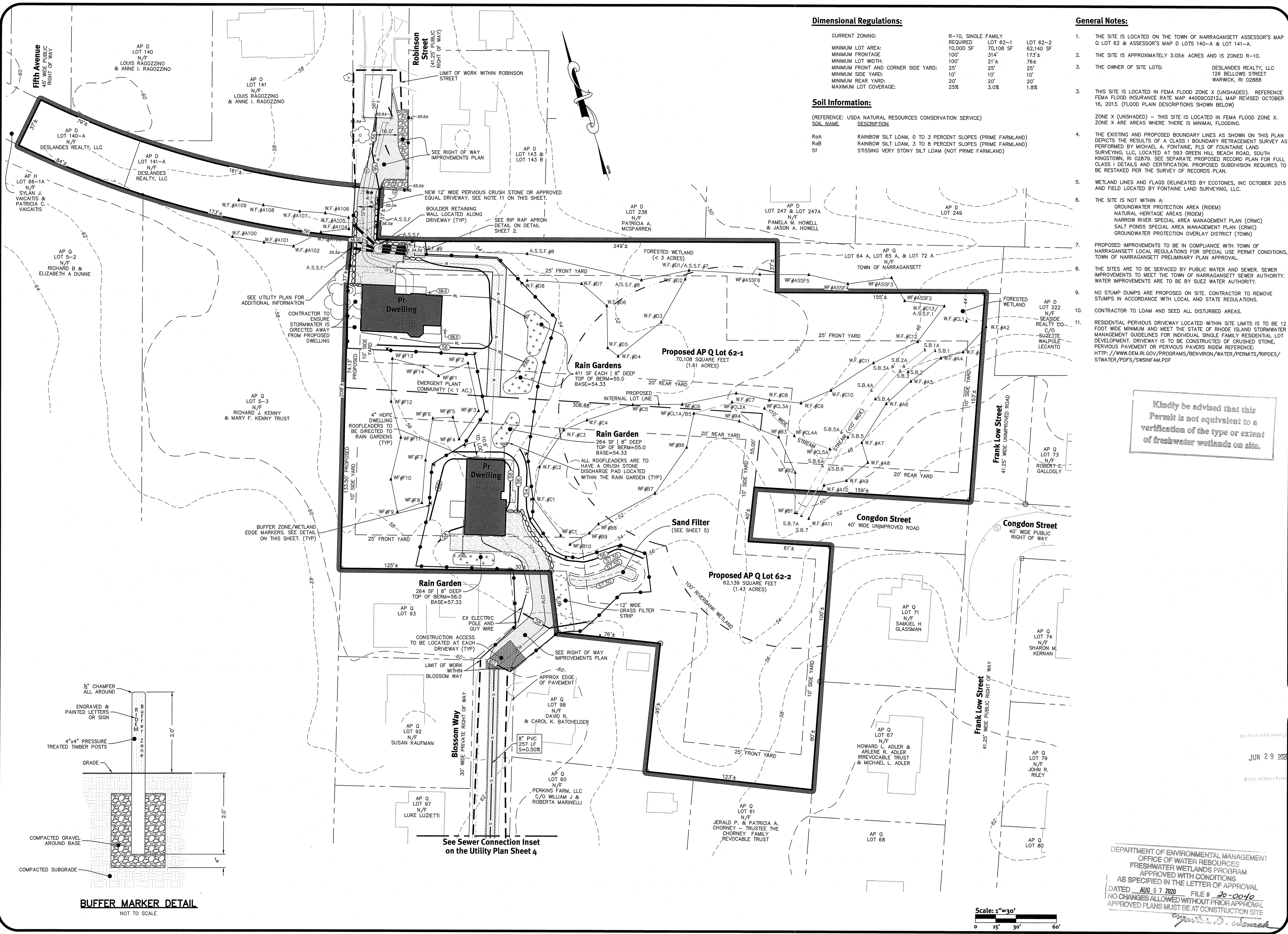
Existing Conditions Survey
A.P. "Q", Lot 62, & A.P. "D", Lots 140A & 141A
Frank Low Street
Narragansett, Rhode Island
Prepared For: Deslandes Realty, LLC



No.	Revision:	By:	Date:

Fontaine Land Surveying, LLC
Michael A. Fontaine, PLS
593 Green Hill Beach Road
South Kingstown, RI 02879
ghb593@verizon.net
(401) 793-6777

Scale: 1"=40'
Date: 03-26-19
Drawn By: MAF
Checked By: MAF
Job #: 13-009
Map #: 13-009
Sheet: 2 of 7



Dimensional Regulations:

CURRENT ZONING:	R-10, SINGLE FAMILY REQUIRED	LOT 62-1	LOT 62-2
MINIMUM LOT AREA:	10,000 SF	70,108 SF	62,140 SF
MINIMUM FRONTAGE:	100'	314'	173'±
MINIMUM LOT WIDTH:	100'	21'±	76'±
MINIMUM FRONT AND CORNER SIDE YARD:	25'	25'	25'
MINIMUM SIDE YARD:	10'	10'	10'
MINIMUM REAR YARD:	20'	20'	20'
MAXIMUM LOT COVERAGE:	25%	3.0%	1.8%

Soil Information:

(REFERENCE: USDA NATURAL RESOURCES CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
RoA	RAINBOW SILT LOAM, 0 TO 3 PERCENT SLOPES (PRIME FARMLAND)
RoB	RAINBOW SILT LOAM, 3 TO 8 PERCENT SLOPES (PRIME FARMLAND)
Sr	STISSING VERY STONY SILT LOAM (NOT PRIME FARMLAND)

General Notes:

- THE SITE IS LOCATED ON THE TOWN OF NARRAGANSETT ASSESSOR'S MAP Q LOT 62 & ASSESSOR'S MAP D LOTS 140-A & LOT 141-A.
- THE SITE IS APPROXIMATELY 3.05± ACRES AND IS ZONED R-10.
- THE OWNER OF SITE LOTS: DESLANDES REALTY, LLC 126 BELLOWS STREET WARWICK, RI 02888
- THIS SITE IS LOCATED IN FEMA FLOOD ZONE X (UNSHADED). REFERENCE FEMA FLOOD INSURANCE RATE MAP 440902012A, MAP REVISED OCTOBER 16, 2013. (FLOOD PLAIN DESCRIPTIONS SHOWN BELOW)
ZONE X (UNSHADED) - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X ARE AREAS WHERE THERE IS MINIMAL FLOODING.
- THE EXISTING AND PROPOSED BOUNDARY LINES AS SHOWN ON THIS PLAN DEPICTS THE RESULTS OF A CLASS I BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY MICHAEL A. FONTAINE, PLS OF FONTAINE LAND SURVEYING, LLC, LOCATED AT 593 GREEN HILL BEACH ROAD, SOUTH KINGSTOWN, RI 02879. SEE SEPARATE PROPOSED RECORD PLAN FOR FULL CLASS I DETAILS AND CERTIFICATION. PROPOSED SUBDIVISION REQUIRES TO BE RESTAKED PER THE SURVEY OF RECORDS PLAN.
- WETLAND LINES AND FLAGS DELINEATED BY ECOTONES, INC OCTOBER 2015 AND FIELD LOCATED BY FONTAINE LAND SURVEYING, LLC.
- THE SITE IS NOT WITHIN A:
GROUNDWATER PROTECTION AREA (RIDEM)
NATURAL HERITAGE AREAS (RIDEM)
NARROW RIVER SPECIAL AREA MANAGEMENT PLAN (CRMC)
SALT PONDS SPECIAL AREA MANAGEMENT PLAN (CRMC)
GROUNDWATER PROTECTION OVERLAY DISTRICT (TOWN)
- PROPOSED IMPROVEMENTS TO BE IN COMPLIANCE WITH TOWN OF NARRAGANSETT LOCAL REGULATIONS FOR SPECIAL USE PERMIT CONDITIONS, TOWN OF NARRAGANSETT PRELIMINARY PLAN APPROVAL.
- THE SITES ARE TO BE SERVICED BY PUBLIC WATER AND SEWER. SEWER IMPROVEMENTS TO MEET THE TOWN OF NARRAGANSETT SEWER AUTHORITY. WATER IMPROVEMENTS ARE TO BE BY SUEZ WATER AUTHORITY.
- NO STUMP DUMPS ARE PROPOSED ON SITE. CONTRACTOR TO REMOVE STUMPS IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
- CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS.
- RESIDENTIAL PERVIOUS DRIVEWAY LOCATED WITHIN SITE LIMITS IS TO BE 12 FOOT WIDE MINIMUM AND MEET THE STATE OF RHODE ISLAND STORMWATER MANAGEMENT GUIDELINES FOR INDIVIDUAL SINGLE FAMILY RESIDENTIAL LOT DEVELOPMENT. DRIVEWAY IS TO BE CONSTRUCTED OF CRUSHED STONE, PERVIOUS PAVEMENT OR PERVIOUS PAVERS RIDEM REFERENCE: [HTTP://WWW.DEM.RI.GOV/PROGRAMS/BENVRON/WATER/PERMITS/RIPDES/STWATER/PDFS/SWSINFAM.PDF](http://www.dem.ri.gov/PROGRAMS/BENVRON/WATER/PERMITS/RIPDES/STWATER/PDFS/SWSINFAM.PDF)

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tel: 401-943-1000 fax: 401-464-6006 www.diprete-eng.com
Boston • Providence • Newport

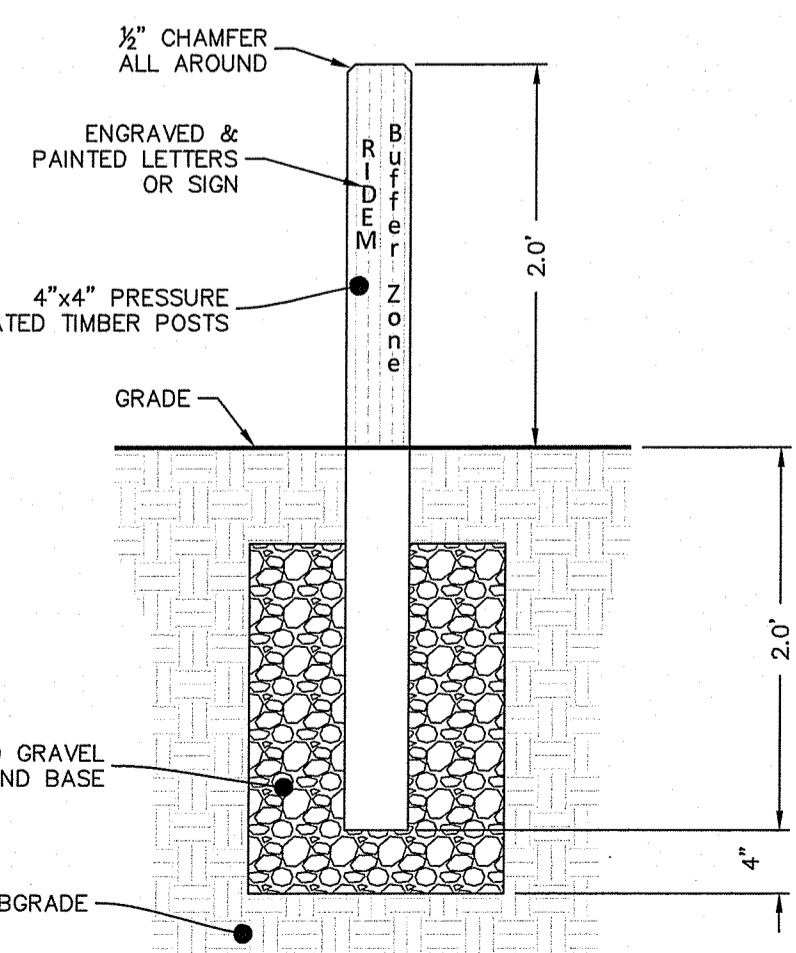
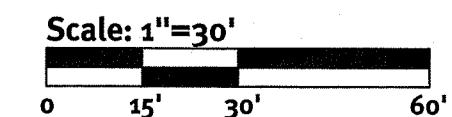
JASON P. CLOUGH
No. [Signature]
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No.	Date	Description	Drawn By: J.A.D.	Design By: J.A.D.
1	05-29-2020	80% Preliminary Determination		
2	05-29-2020	80% Preliminary Determination		

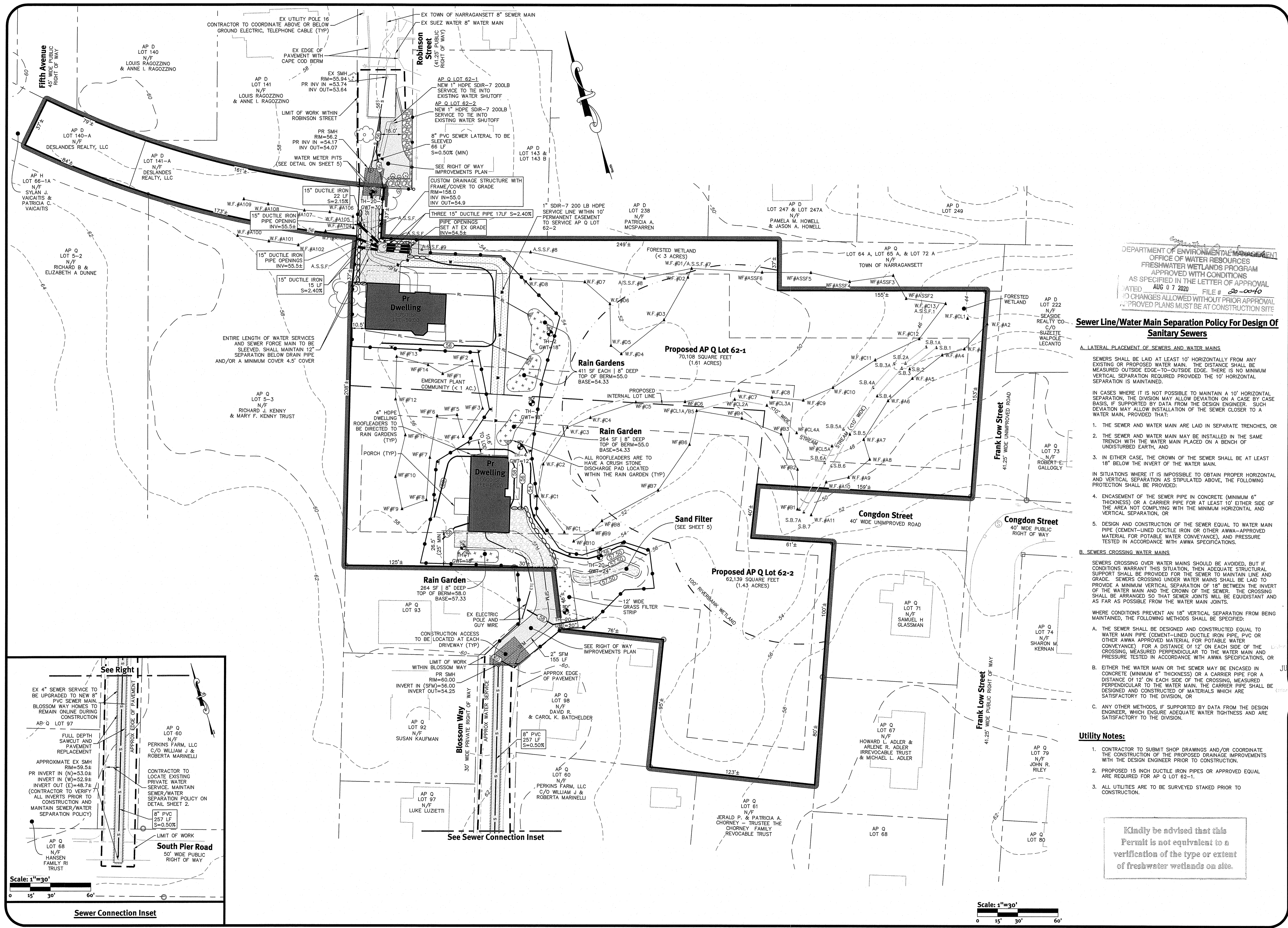
Preliminary Subdivision
Blossom Way/Robinson Street
Plat Q Lot 62, Plat D Lots 140 A & Lot 141 A
Narragansett, Rhode Island
Owner/Applicant: **Deslandes Realty, LLC**
126 BelloWS Street, Warwick, RI 02888

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See Sewer Connection Inset on the Utility Plan Sheet 4

z:\kennan\projects\2088-001_frank_low_street\autocad drawings\2088-001_plan.dwg Plotdate: 5/24/2020



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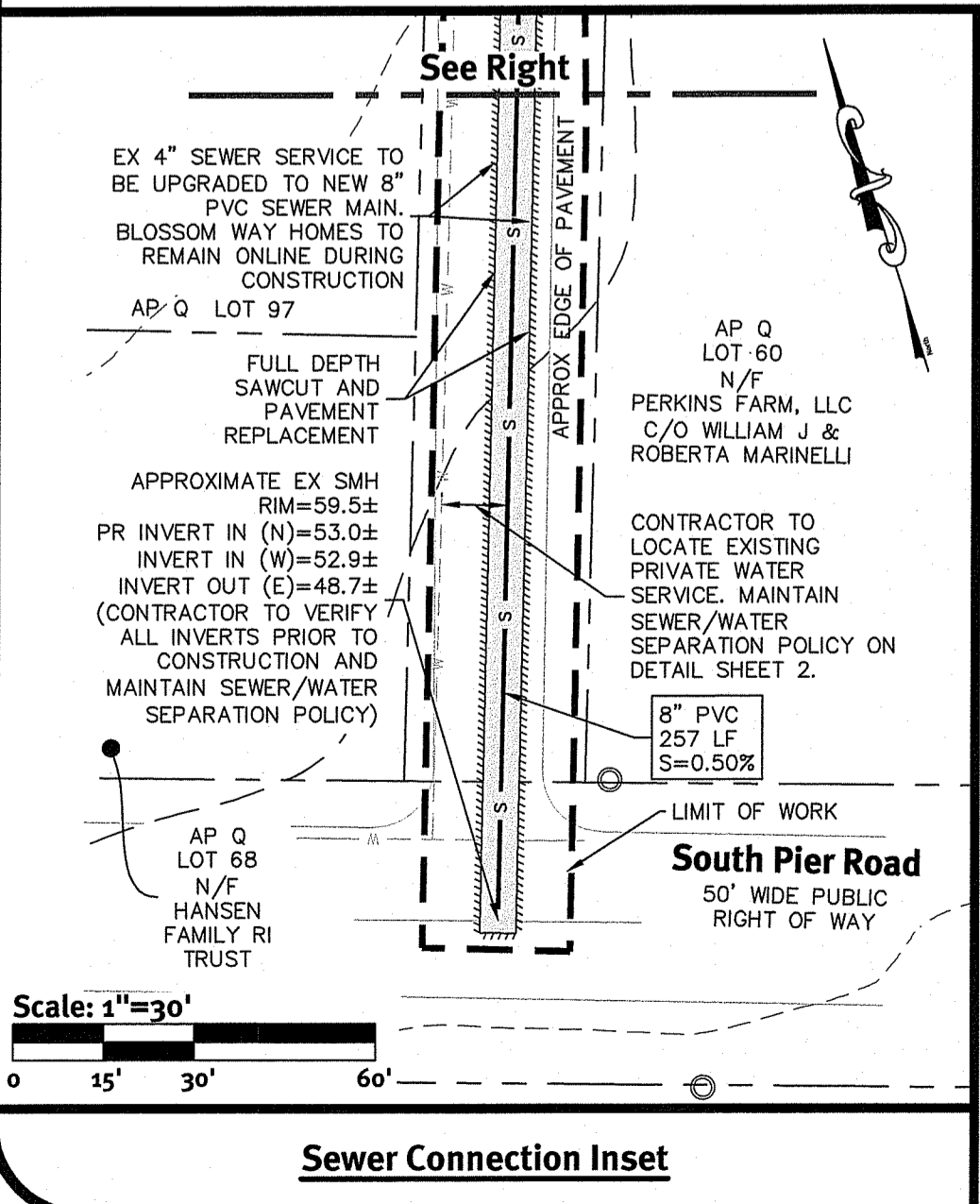
Sewer Line/Water Main Separation Policy For Design Of Sanitary Sewers

- A. LATERAL PLACEMENT OF SEWERS AND WATER MAINS**
- SEWERS SHALL BE LAID AT LEAST 10' HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED OUTSIDE EDGE-TO-OUTSIDE EDGE. THERE IS NO MINIMUM VERTICAL SEPARATION REQUIRED PROVIDED THE 10' HORIZONTAL SEPARATION IS MAINTAINED.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10' HORIZONTAL SEPARATION, THE DIVISION MAY ALLOW DEVIATION ON A CASE BY CASE BASIS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH DEVIATION MAY ALLOW INSTALLATION OF THE SEWER CLOSER TO A WATER MAIN, PROVIDED THAT:
1. THE SEWER AND WATER MAIN ARE LAID IN SEPARATE TRENCHES, OR
 2. THE SEWER AND WATER MAIN MAY BE INSTALLED IN THE SAME TRENCH WITH THE WATER MAIN PLACED ON A BENCH OF UNDISTURBED EARTH, AND
 3. IN EITHER CASE, THE CROWN OF THE SEWER SHALL BE AT LEAST 18" BELOW THE INVERT OF THE WATER MAIN.
- IN SITUATIONS WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, THE FOLLOWING PROTECTION SHALL BE PROVIDED:
4. ENCASUREMENT OF THE SEWER PIPE IN CONCRETE (MINIMUM 6" THICKNESS) OR A CARRIER PIPE FOR AT LEAST 10' EITHER SIDE OF THE WATER MAIN AND THE CROWN OF THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
 5. DESIGN AND CONSTRUCTION OF THE SEWER EQUAL TO WATER MAIN PIPE (CEMENT-LINED DUCTILE IRON OR OTHER AWWA-APPROVED MATERIAL FOR POTABLE WATER CONVEYANCE), AND PRESSURE TESTED IN ACCORDANCE WITH AWWA SPECIFICATIONS.

- B. SEWERS CROSSING WATER MAINS**
- SEWERS CROSSING OVER WATER MAINS SHOULD BE AVOIDED, BUT IF CONDITIONS WARRANT THIS SITUATION, THEN ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO MAINTAIN LINE AND GRADE. SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE INVERT OF THE WATER MAIN AND THE CROWN OF THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
- WHERE CONDITIONS PREVENT AN 18" VERTICAL SEPARATION FROM BEING MAINTAINED, THE FOLLOWING METHODS SHALL BE SPECIFIED:
- A. THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER MAIN PIPE (CEMENT-LINED DUCTILE IRON PIPE, PVC OR OTHER AWWA APPROVED MATERIAL FOR POTABLE WATER CONVEYANCE) FOR A DISTANCE OF 12' ON EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATER MAIN AND PRESSURE TESTED IN ACCORDANCE WITH AWWA SPECIFICATIONS, OR
 - B. EITHER THE WATER MAIN OR THE SEWER MAY BE ENCASED IN CONCRETE (MINIMUM 6" THICKNESS) OR A CARRIER PIPE FOR A DISTANCE OF 12' ON EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATER MAIN. THE CARRIER PIPE SHALL BE DESIGNED AND CONSTRUCTED OF MATERIALS WHICH ARE SATISFACTORY TO THE DIVISION, OR
 - C. ANY OTHER METHODS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER, WHICH ENSURE ADEQUATE WATER TIGHTNESS AND ARE SATISFACTORY TO THE DIVISION.

- Utility Notes:**
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS AND/OR COORDINATE THE CONSTRUCTION OF THE PROPOSED DRAINAGE IMPROVEMENTS WITH THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.
 2. PROPOSED 15 INCH DUCTILE IRON PIPES OR APPROVED EQUAL ARE REQUIRED FOR AP Q LOT 62-1.
 3. ALL UTILITIES ARE TO BE SURVEYED STAKED PRIOR TO CONSTRUCTION.

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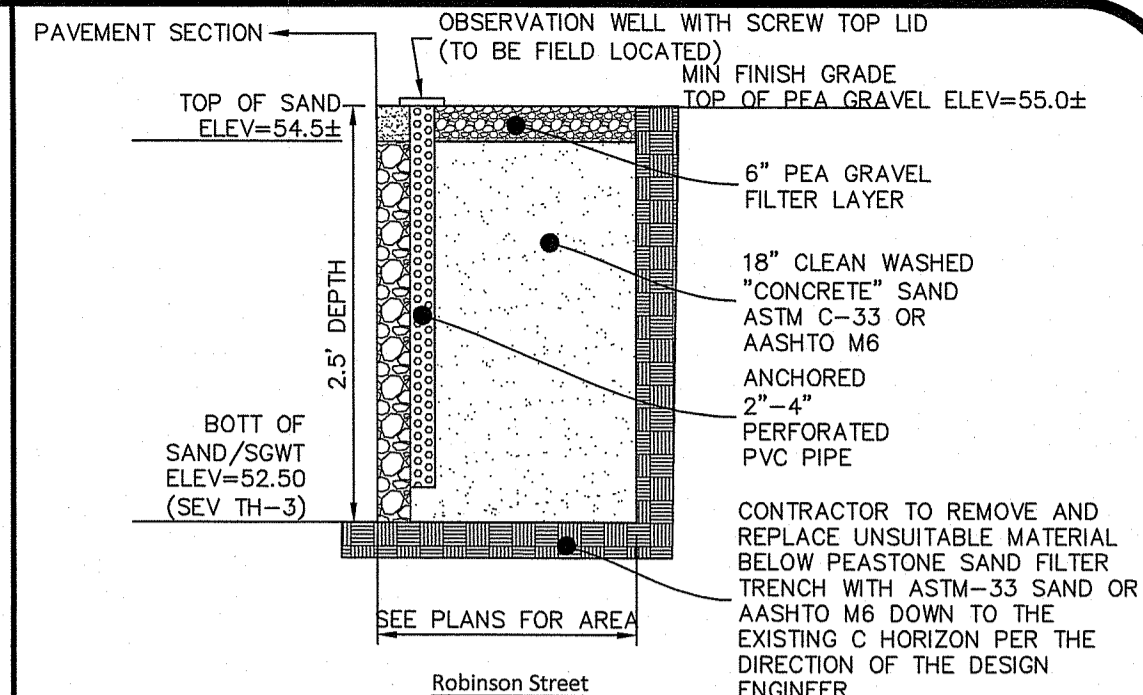
No.	Date	Description	Drawn By: J.A.D.	Design By: J.A.D.
1	06-29-2020	Initial Submission		
2	08-07-2020	Revised Submission		
3	08-07-2020	Final Submission		

Utility Plan
Blossom Way/Robison Street
 Plat Q Lot 62, Plat D Lots 40 A & Lot 141 A
 Narragansett, Rhode Island
 Owner/Applicant: **Deslandes Realty, LLC**
 120 Bellows Street, Warwick, RI 02886
 SHEET 4 OF 7

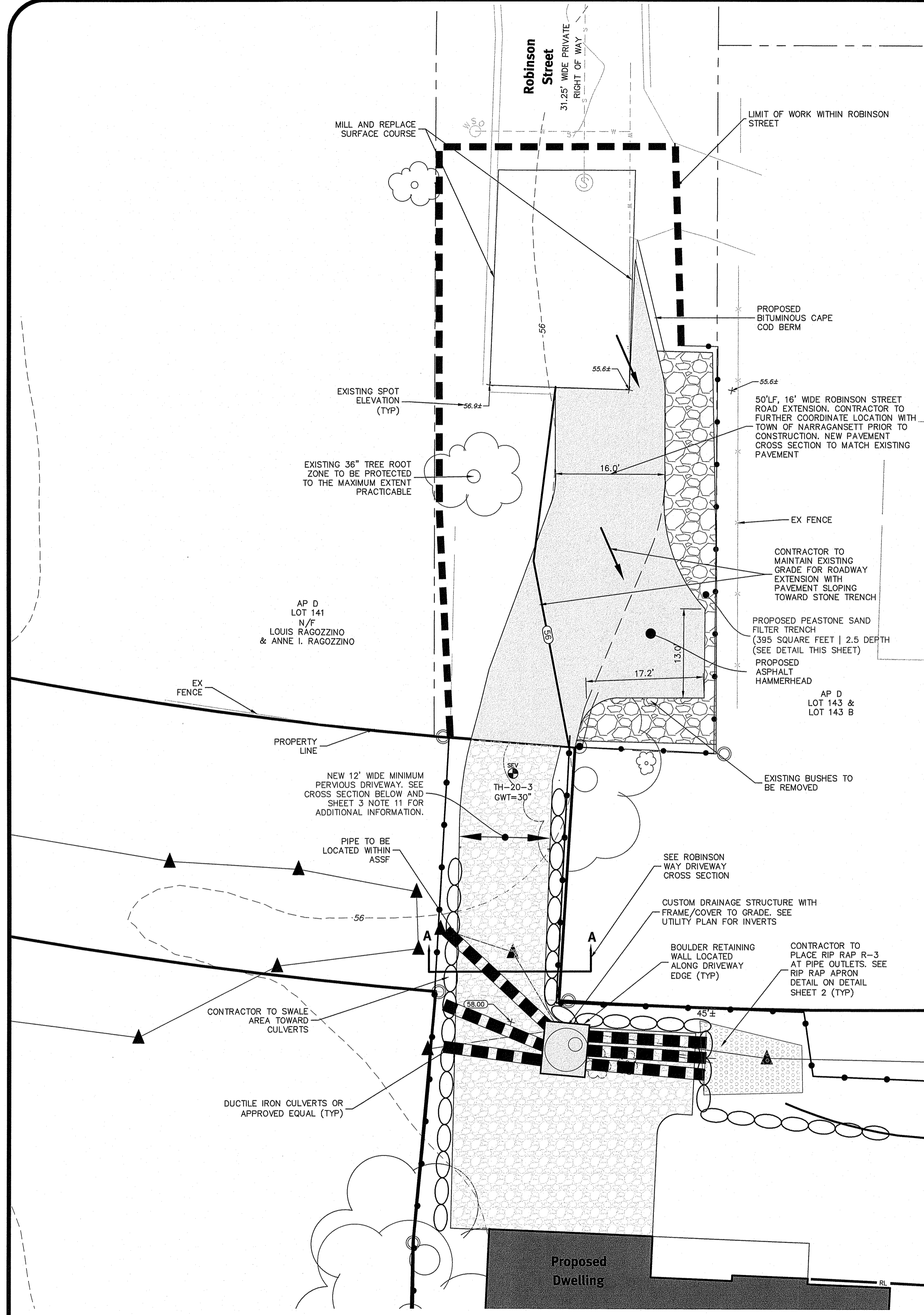
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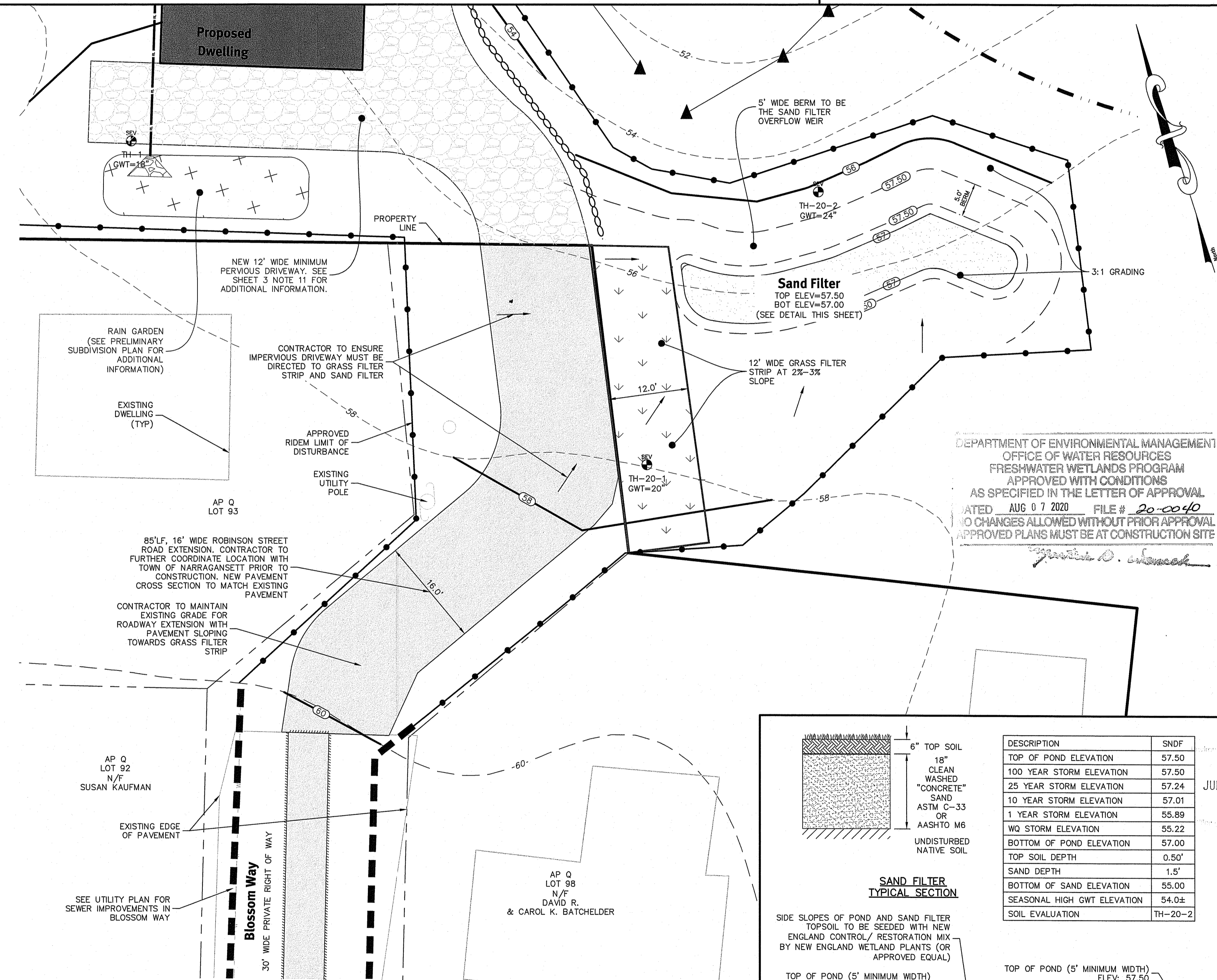
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- CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS.



Robinson Street Right of Way Peastone Sand Filter Trench
NOT TO SCALE



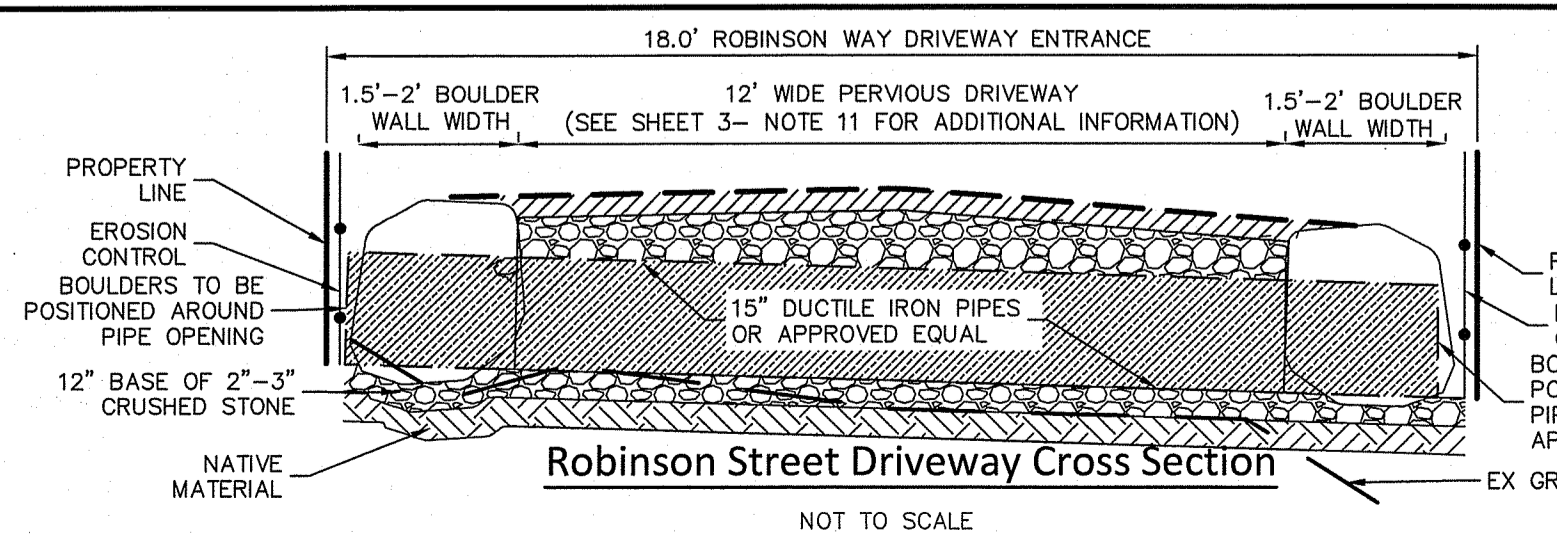
Robinson Street Road Extension Scale: 1"=10'



Blossom Way Road Extension Scale: 1"=10'

Road Extensions Note:

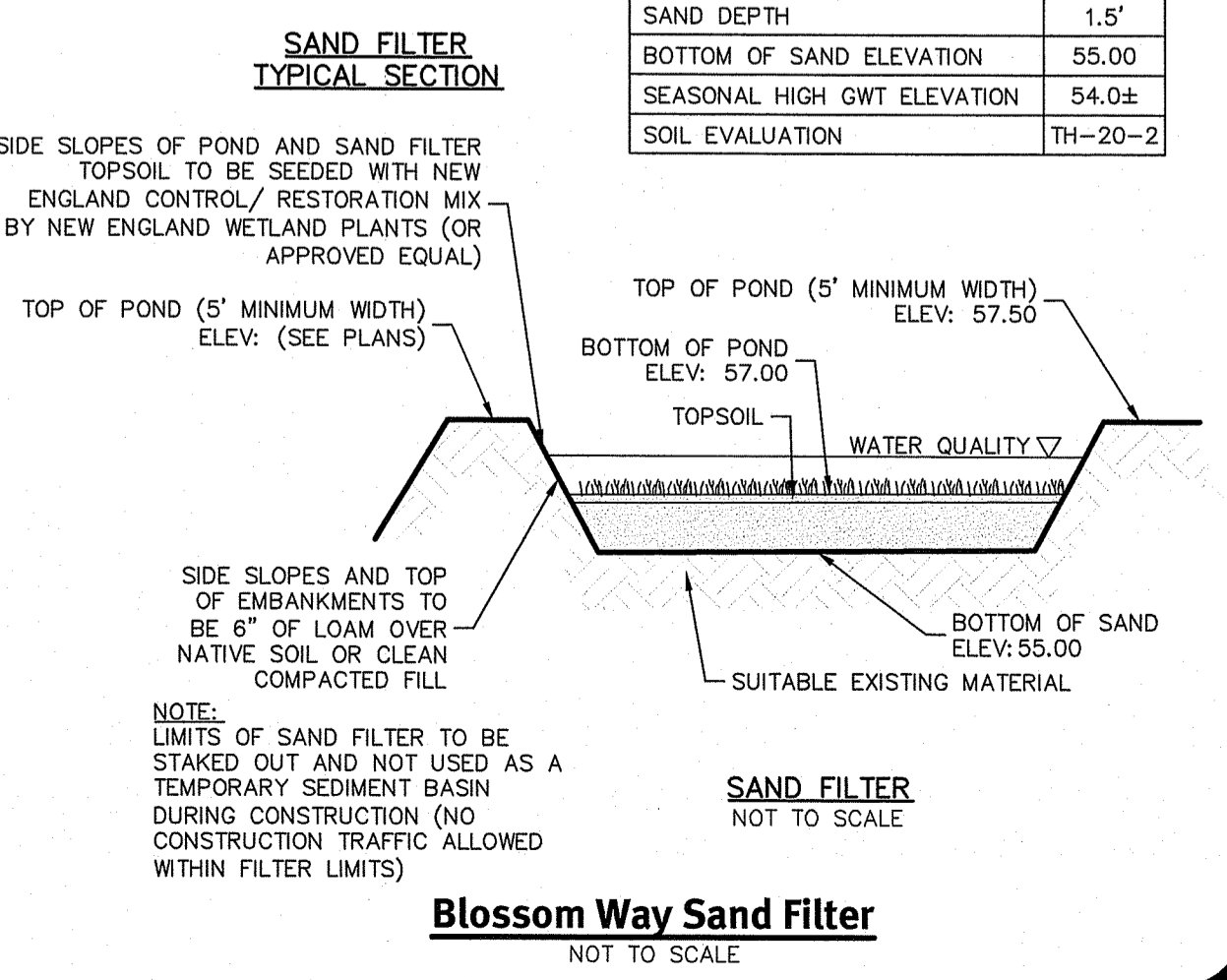
- CROSS SECTION TO MATCH EXISTING ROADS. MINIMUM REQUIREMENT EQUALS 1" FINISH COURSE, 2" BINDER COURSE, 4" PROCESSED GRAVEL AND 12" COMPACTED BANK RUN GRAVEL.
- UNSATURABLE MATERIALS UNDER THE ROADWAY EXTENSION AND STONE INFILTRATION TRENCH TO BE REMOVED AND DISPOSED UNDER THE DIRECTION OF THE DESIGN ENGINEER.
- SEE PLANS FOR GRADES AND DIMENSIONS.
- CONTRACTOR TO FURTHER COORDINATE DETAILS ASSOCIATED WITH THE EXTENSION OF ROBINSON STREET AND BLOSSOM WAY WITH THE TOWN OF NARRAGANSETT ENGINEERING, DEPARTMENT OF PUBLIC WORKS AND THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.



Robinson Street Driveway Cross Section
NOT TO SCALE

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

DESCRIPTION	SNFD
TOP OF POND ELEVATION	57.50
100 YEAR STORM ELEVATION	57.50
25 YEAR STORM ELEVATION	57.24
10 YEAR STORM ELEVATION	57.01
1 YEAR STORM ELEVATION	55.89
WQ STORM ELEVATION	55.22
BOTTOM OF POND ELEVATION	57.00
TOP SOIL DEPTH	0.50'
SAND DEPTH	1.5'
BOTTOM OF SAND ELEVATION	55.00
SEASONAL HIGH GWT ELEVATION	54.0±
SOIL EVALUATION	TH-20-2



Blossom Way Sand Filter
NOT TO SCALE

Diprete Engineering
Two Stafford Court, Cranston, RI 02920
tel 401-943-1000 fax 401-604-6006 www.diprete-eng.com

JASON P. CLOUGH
No. [Stamp]
REGISTERED PROFESSIONAL ENGINEER CIVIL

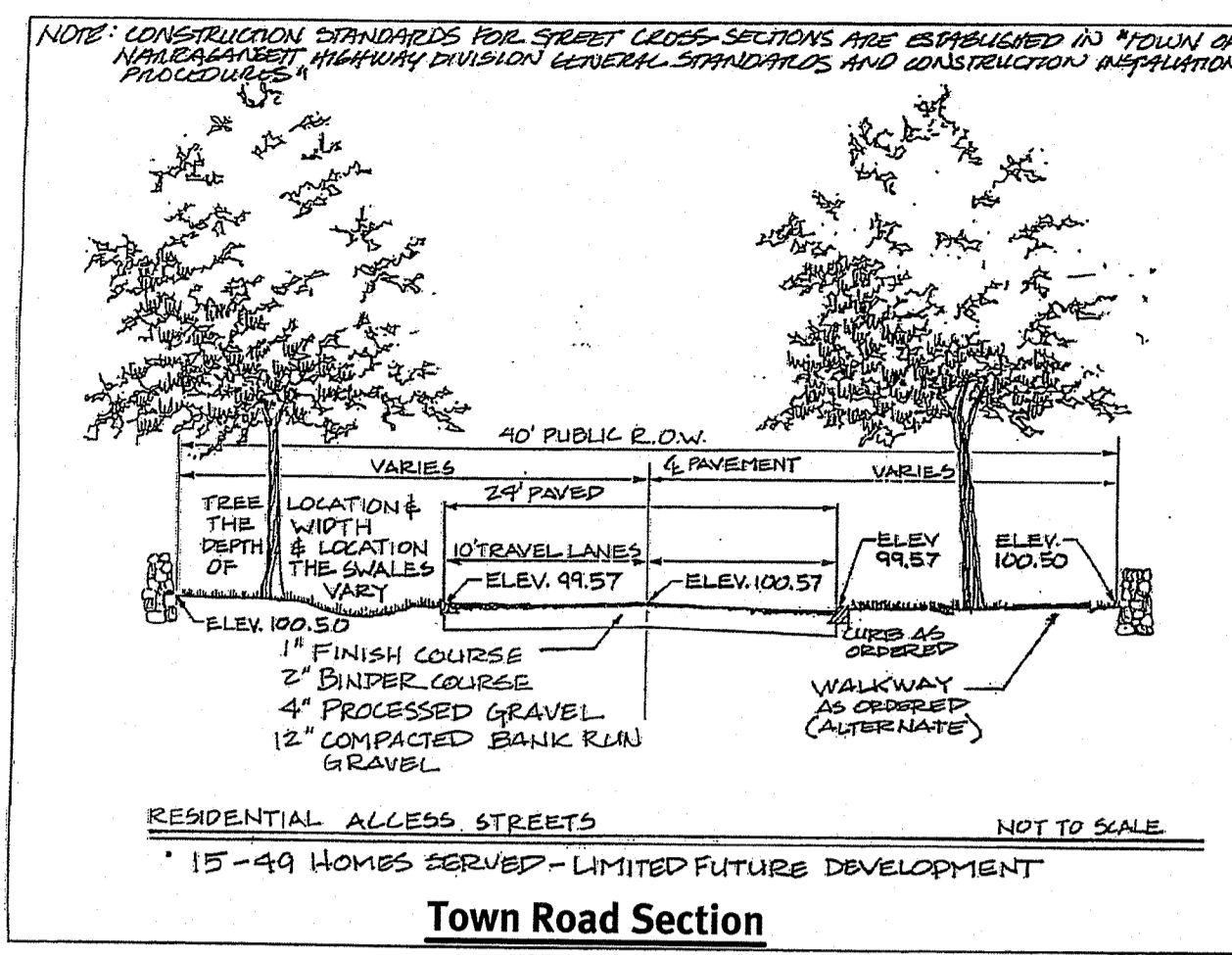
This regulatory submission set shall not be used for construction purposes unless stamped/issued for construction and signed by a Diprete Engineering representative.

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

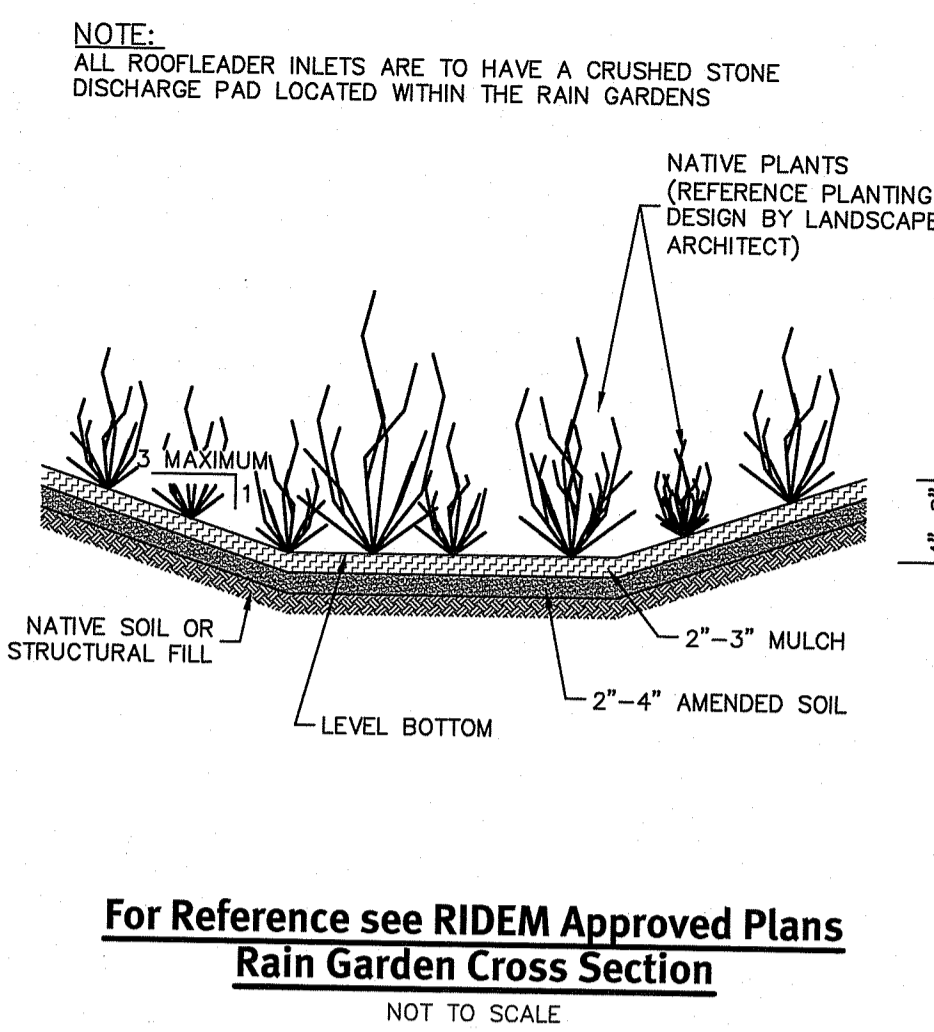
No.	Date	Description	Drawn By: J.A.D.
1	05-23-2020	Initial Submittal/Obstruction	J.A.D.
2	06-28-2020	Revised Preliminary Submittal	J.A.D.

Right Of Way Road Extensions
Blossom Way/Robinson Street
Plot Q, Lot 62, Plot D, Lots 140-A & Lot 141-A
Narragansett, Rhode Island
Owner/Applicant: **Deslandes Realty, LLC**
126 Bellows Street, Warwick, RI 02886
DE Job No: 2020-001. Copyright 2020 by Diprete Engineering Associates, Inc.

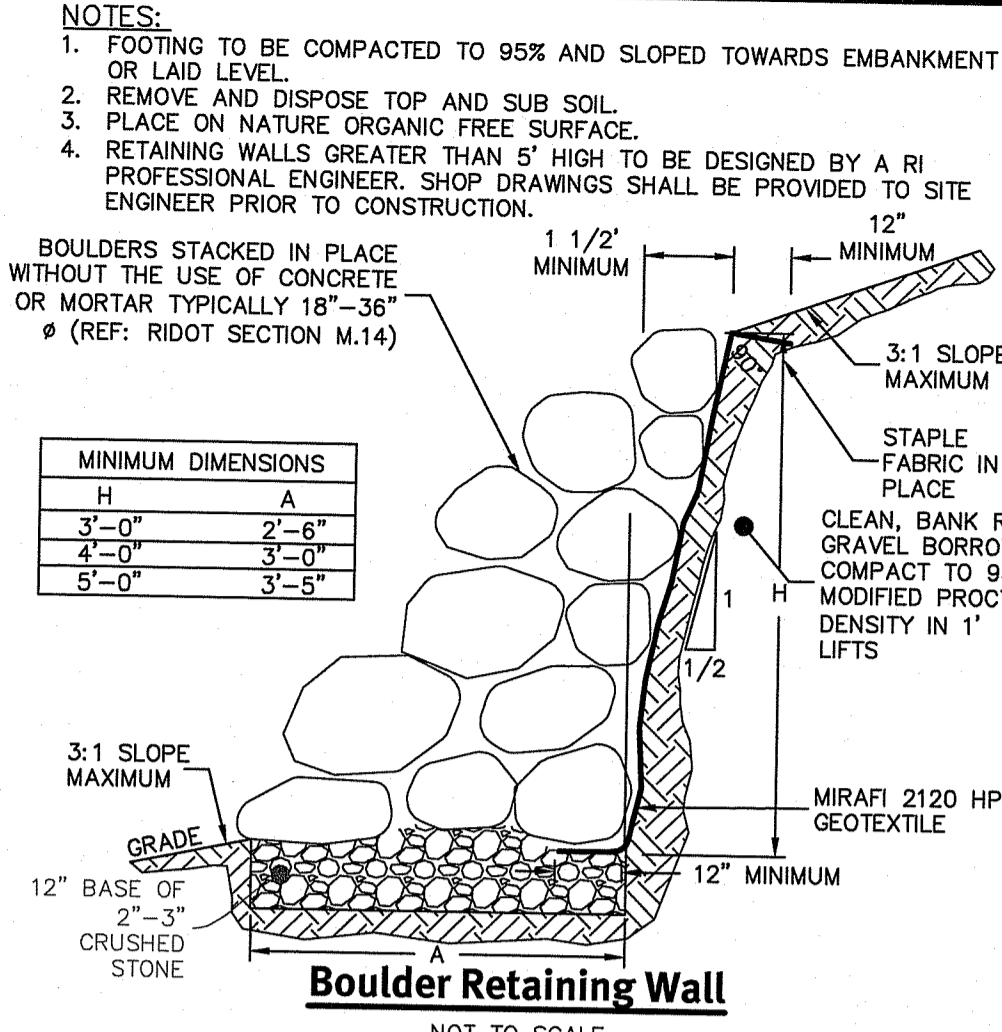
Figure 2: Recommended Street Design Standard: Residential Access Streets



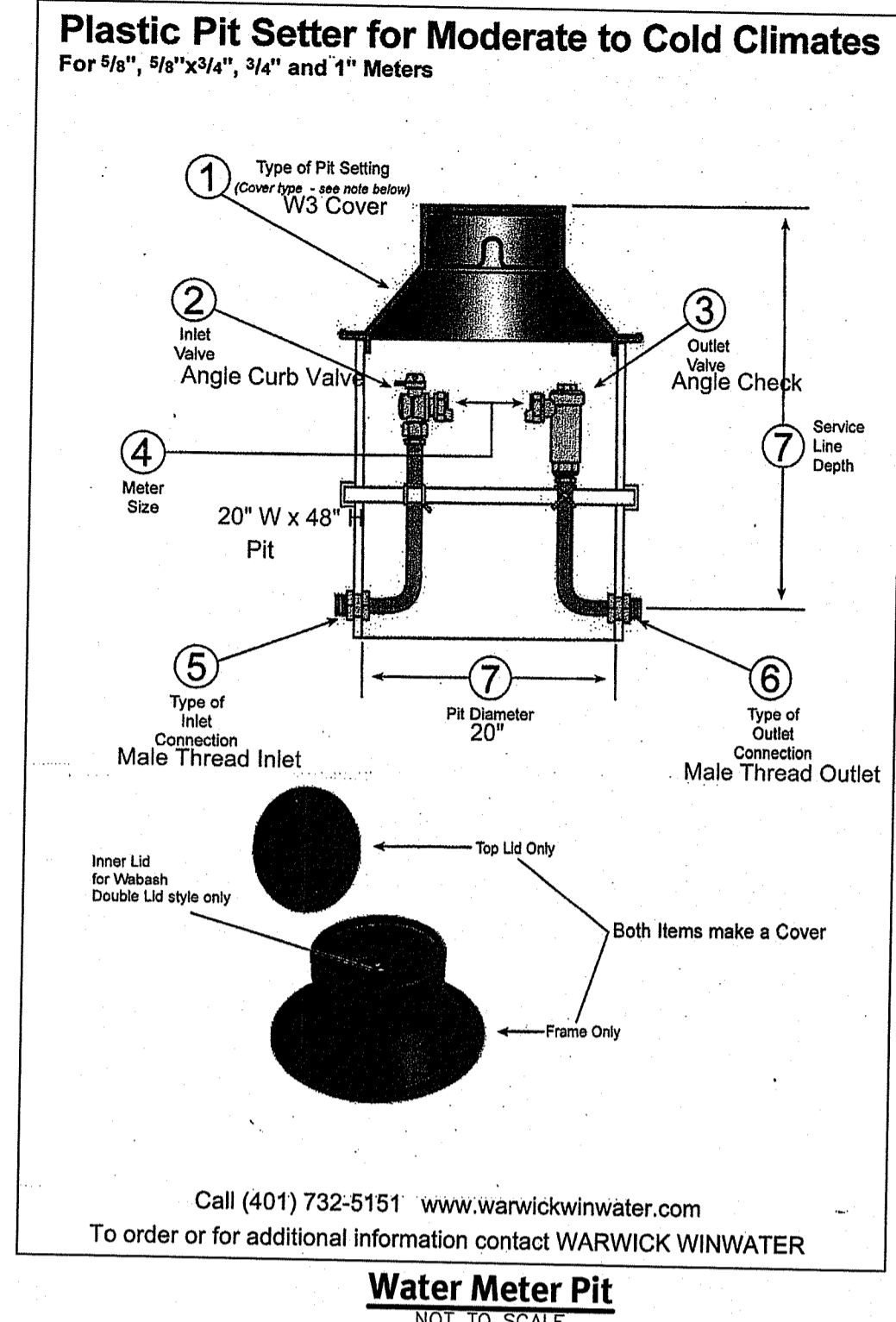
- ROAD EXTENSION NOTE:**
- CROSS SECTION ADDED AS A REFERENCE. SEE PLANS FOR GRADES AND DIMENSIONS.
 - CONTRACTOR TO FURTHER COORDINATE DETAILS ASSOCIATED WITH THE EXTENSION OF ROBINSON STREET WITH THE TOWN OF NARRAGANSETT PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO REMOVE ALL UNSUITABLE MATERIAL UNDERNEATH NEW ROADWAY EXTENSIONS.



For Reference see RIDEM Approved Plans Rain Garden Cross Section



Boulder Retaining Wall

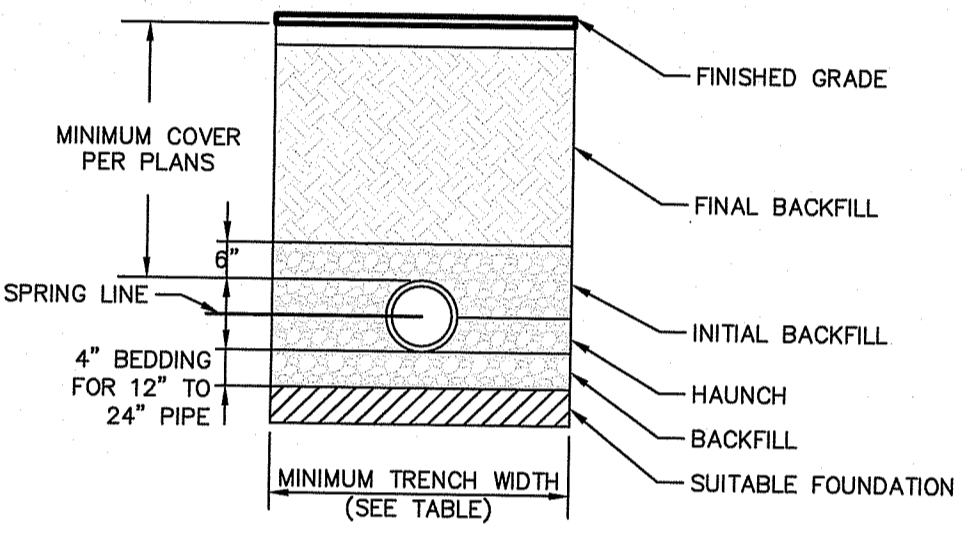


Water Meter Pit

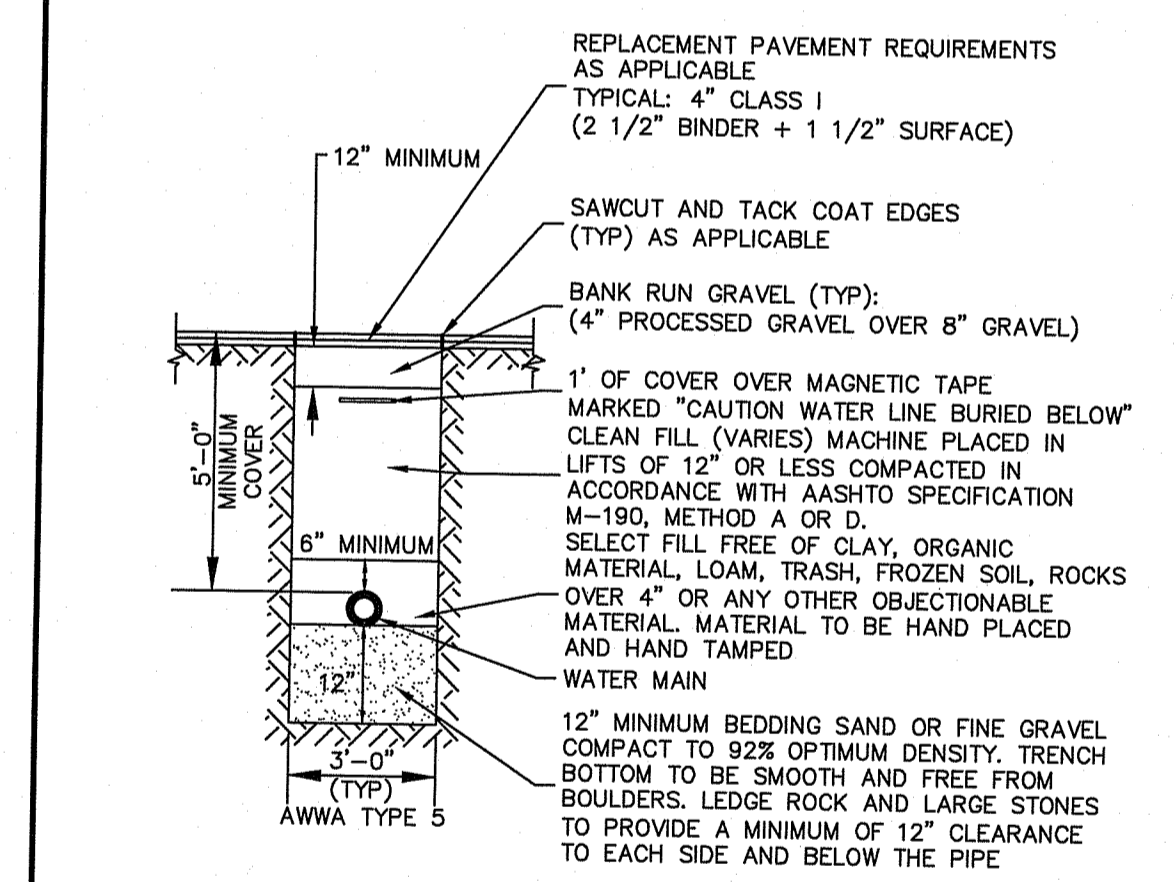
INSTALLATION NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST EDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" (100MM-600MM); 6" (150MM) FOR 30"-60" (750MM-900MM).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" Ø PIPE AND 24" OF COVER FOR 54"-60" Ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

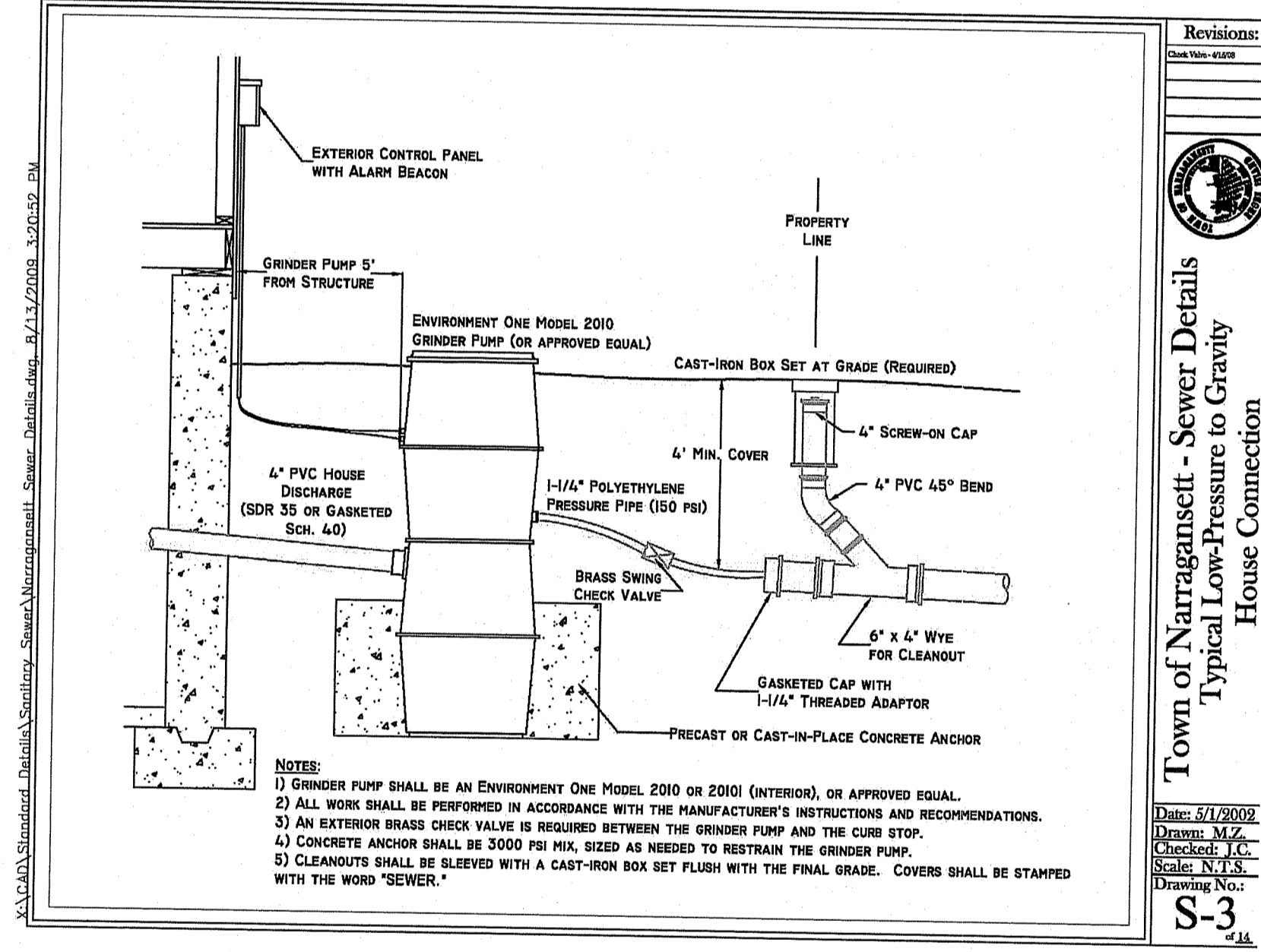
PIPE Ø	MINIMUM TRENCH WIDTH
6"	23"
8"	26"
12"	30"
15"	34"
24"	39"



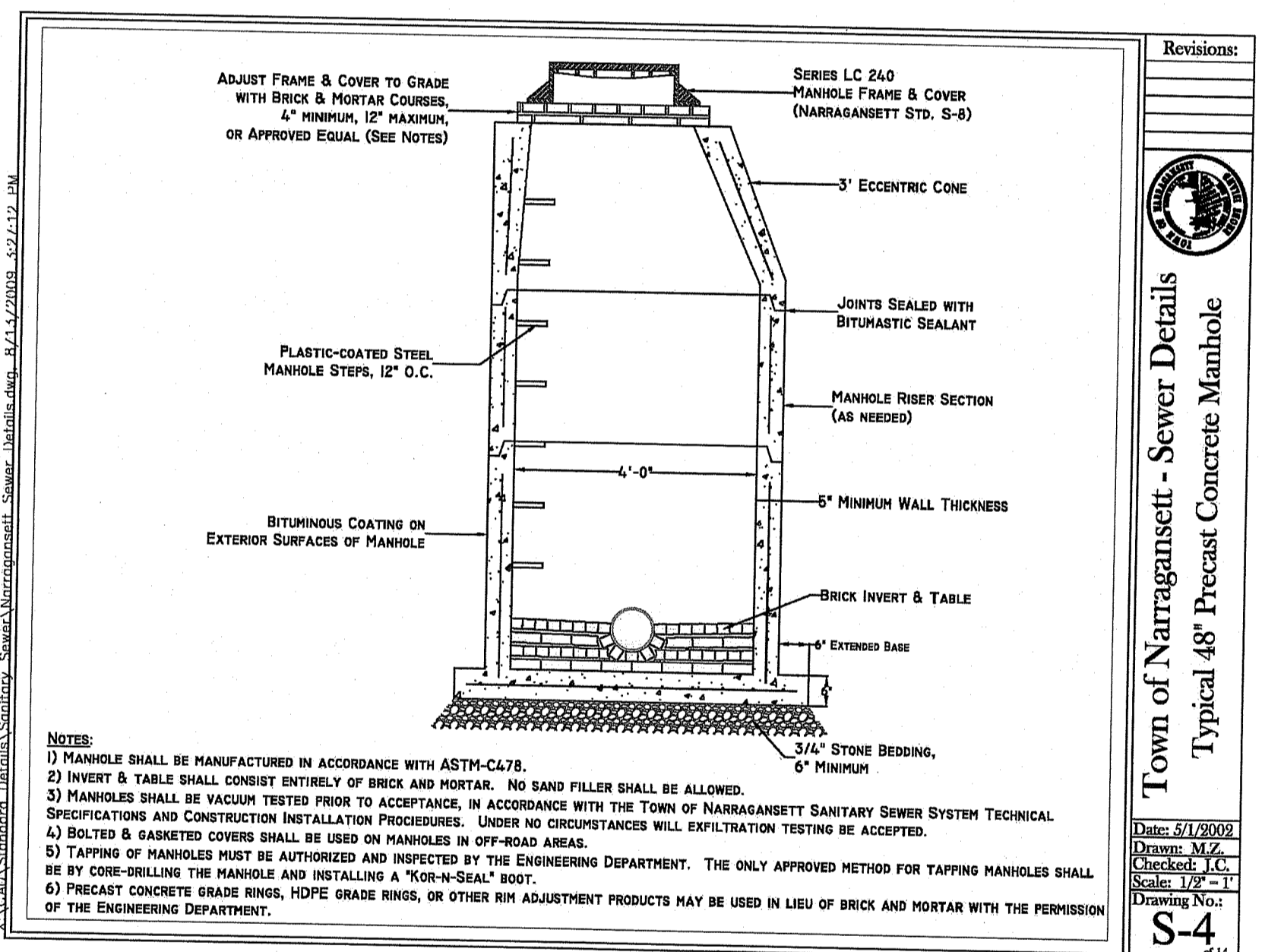
Drainage Trench Detail



Water Trench Detail

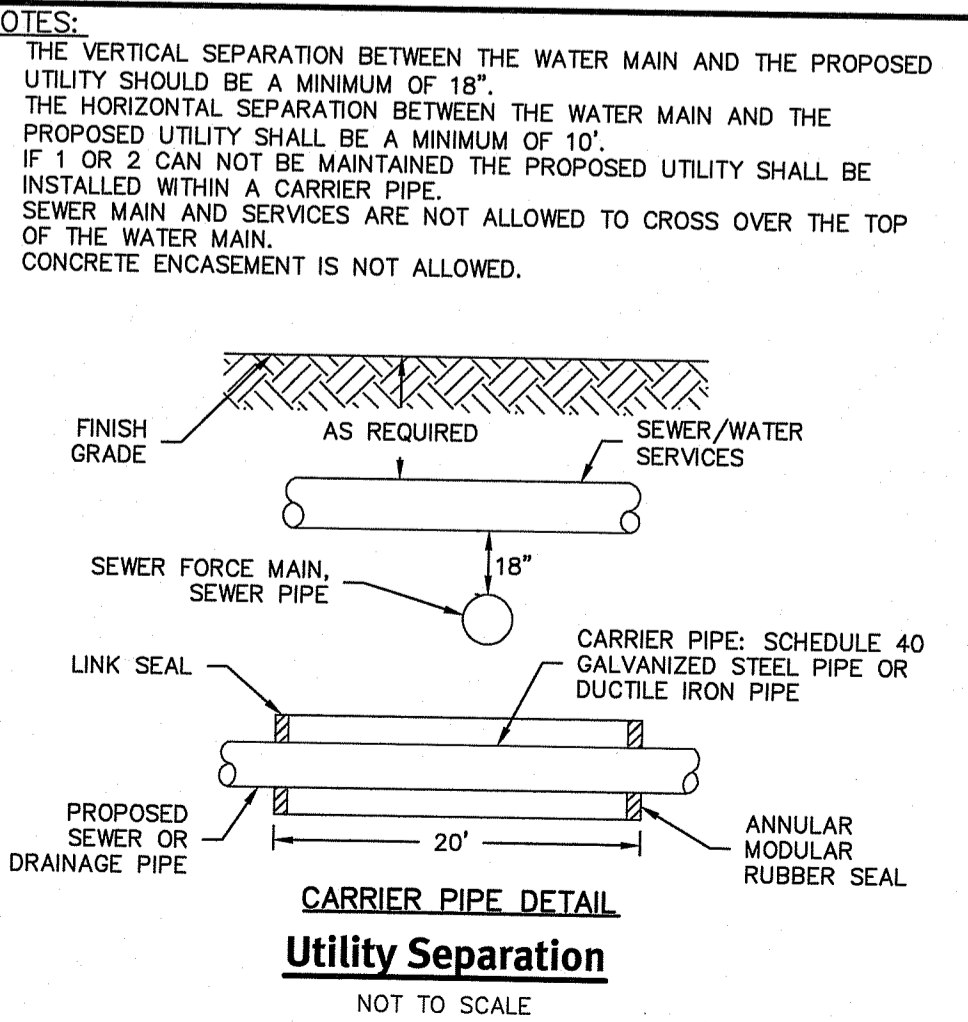


Town of Narragansett - Sewer Details Typical Low-Pressure to Gravity House Connection

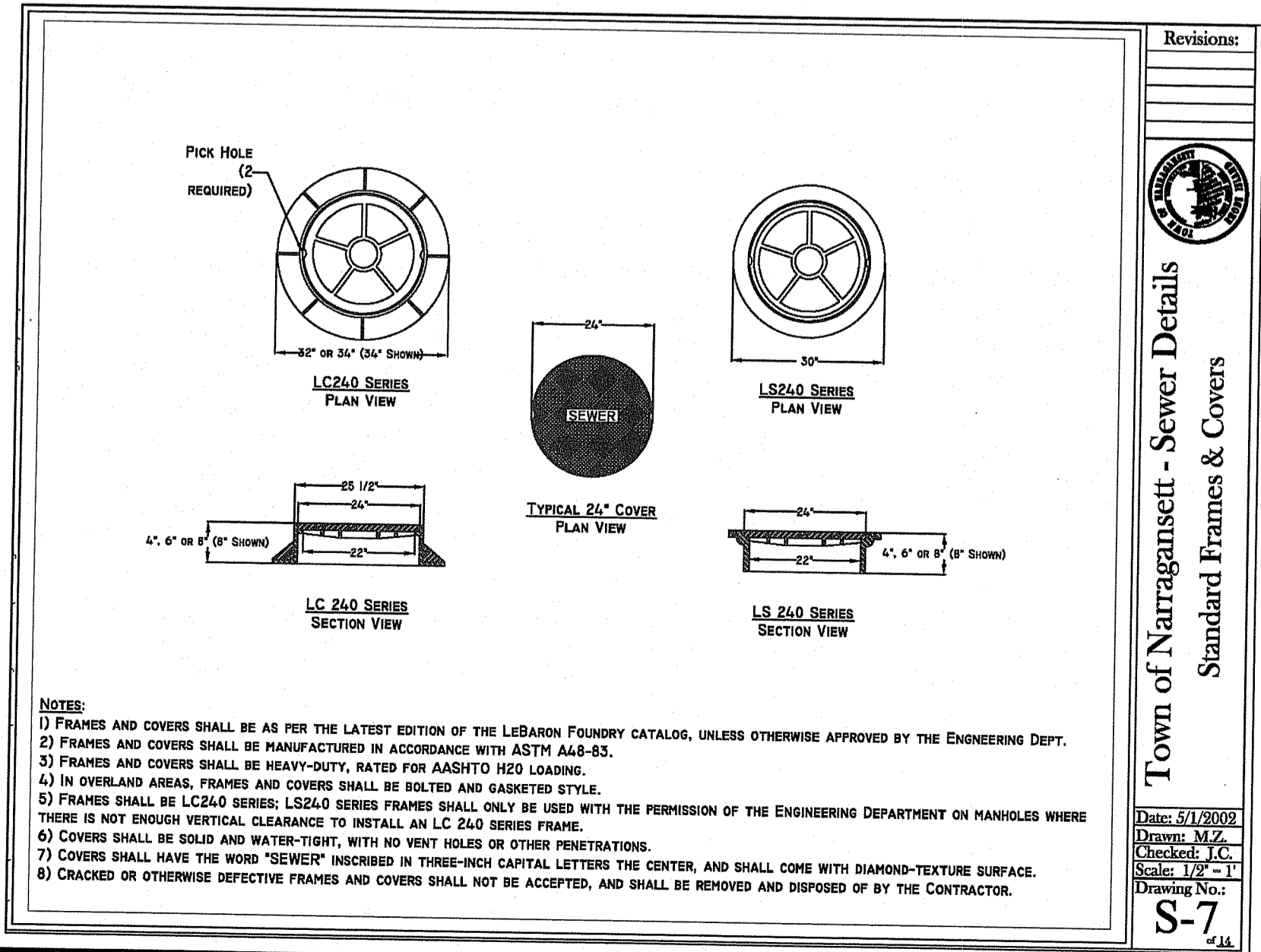


Town of Narragansett - Sewer Details Typical 48\"/>

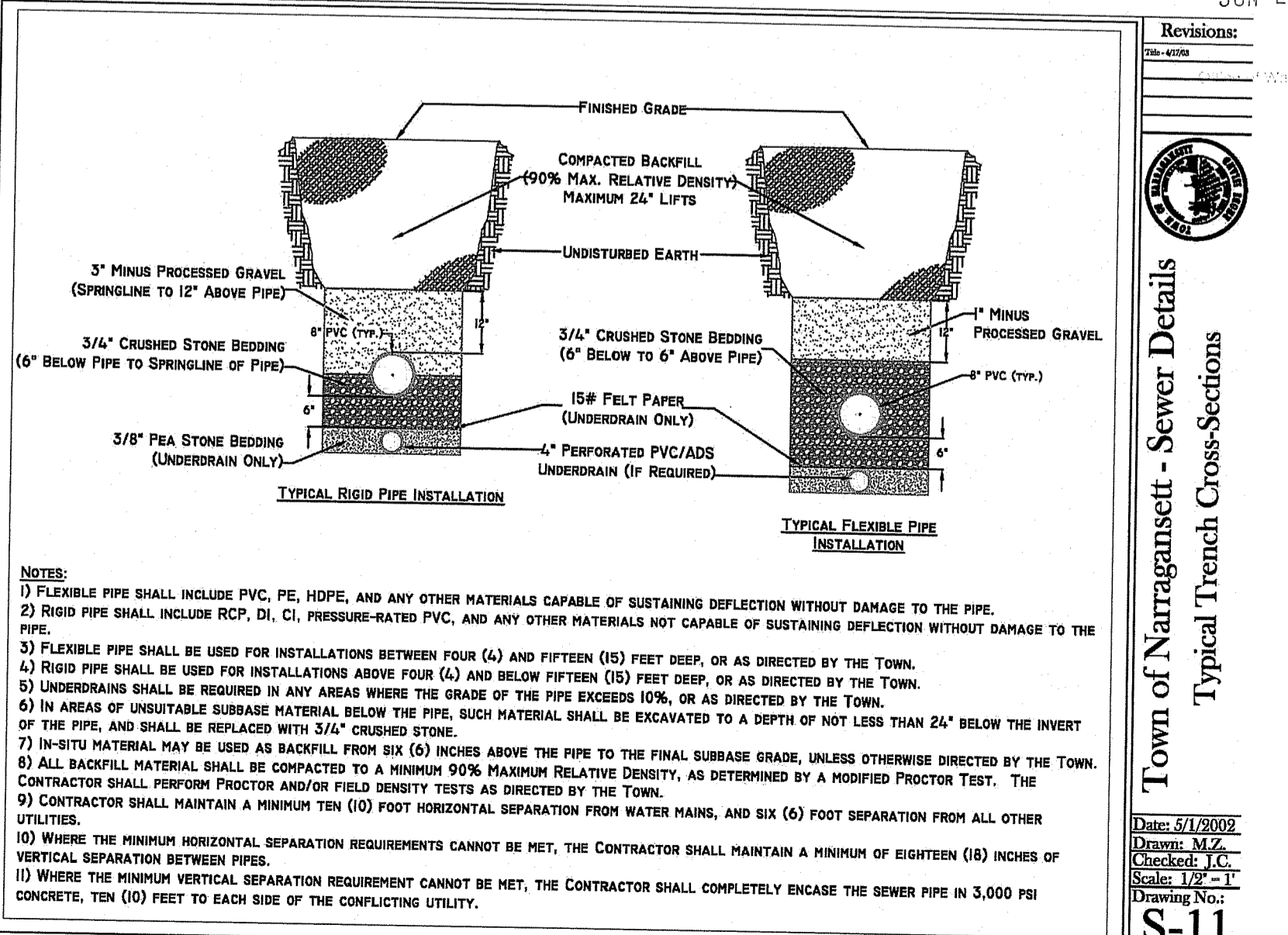
- SLEEVE NOTE:**
- SLEEVE SEWER LINES WHERE 10' MINIMUM OF HORIZONTAL SEPARATION FROM WATER LINES CANNOT BE MAINTAINED.
 - THE SLEEVE SHALL BE SEAMLESS SCHEDULE 40 PVC WITH WATER TIGHT JOINTS AND SEALS FASTENED TO THE SEWER PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP OR APPROVED EQUAL.
 - WHERE SEWER LINES CROSS WATER LINES, THE SLEEVE SHALL EXTEND 10' MINIMUM ON EITHER SIDE WHERE CROSSING A WATER LINE. WHERE POSSIBLE, SEWER LINES ARE TO CROSS UNDER WATER LINES WITH A MINIMUM VERTICAL CLEARANCE OF 18".
 - WHERE SEWER LINES CROSS DRAIN LINES THE SLEEVE SHALL EXTEND 5' MINIMUM ON EITHER SIDE WHERE CROSSING A DRAIN LINE.



Carrier Pipe Detail Utility Separation



Town of Narragansett - Sewer Details Standard Frames & Covers



Town of Narragansett - Sewer Details Typical Trench Cross-Sections

DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 Tel: (401) 949-1000 Fax: (401) 464-6006 www.diprete-eng.com
 Boston • Providence • Newport

JASON P. CLOUGH
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER CIVIL

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

No.	Date	Description	Design By: J.A.D.
1	05-21-2020	ISSUED FOR CONSTRUCTION	J.A.D.
2	05-28-2020	ISSUED FOR CONSTRUCTION	J.A.D.

Detail Sheet - 1
Blossom Way/Robinson Street
 Plot Q Lot 62, Plot D Lots 740 A & Lot 141 A
 Narragansett, Rhode Island
Destandes Realty, LLC
 126 Bellows Street, Warwick, RI 02888
 SHEET 6 OF 7

MAINTENANCE: SHORT TERM / LONG TERM

- THE STONE STABILIZATION PADS AT THE SITE ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR. THE MAINTENANCE SHALL INCLUDE TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ON THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- ALL SILT FENCE, TEMPORARY TREATMENTS, AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. SILT FENCE SHALL BE INSPECTED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH EVENT OR EVERY 7 DAYS, WHICHEVER COMES FIRST, FOR UNDERMINING AND DETERIORATION. A STORM EVENT SHALL BE DEFINED AS 0.25 INCHES OF RAIN WITHIN A 24-HOUR PERIOD. THE SILT FENCE SHALL BE REPAIRED OR REPLACED AS WARRANTED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE HAY BALES/SILT FENCE BECOMES FILLED IN WITH SEDIMENT. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. FOLLOWING CONFIRMATION FROM THE OWNER AND OR THE PROJECT ENGINEER THAT AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED THE SILT FENCE SHALL BE REMOVED.
- THE CONTRACTOR SHALL MAINTAIN ALL TOPSOIL STOCKPILES AND SEDIMENT BARRIERS THROUGHOUT CONSTRUCTION. EXTREME CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT SPILL OVER THE SEDIMENT BARRIER. SILT FENCE SHALL BE STAKED AROUND THE STOCKPILES.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR FOLLOWING FINAL GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL CHECK ALL SEEDING AREAS REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF THE DRAINAGE BMPs (RAIN GARDENS) DURING AND UP TO A YEAR AFTER COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREAFTER. THE DRAINAGE BMPs SHALL BE INSPECTED/MAINTAINED AS DETAILED BELOW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR TO ALL DRAINAGE STRUCTURES AND RELATED APPURTENANCES ON SITE DURING CONSTRUCTION AND IMMEDIATELY FOLLOWING CONSTRUCTION FOR A MAXIMUM OF ONE YEAR, OR UNTIL ACCEPTANCE BY THE ENGINEER AND THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREAFTER.
- A LEGALLY BINDING AND ENFORCEABLE MAINTENANCE AGREEMENT SHALL BE EXECUTED BETWEEN THE OWNER AND THE RESPONSIBLE AUTHORITY TO ENSURE THE FOLLOWING MAINTENANCE SCHEDULES ARE FOLLOWED.
- DURING THE FIRST SIX (6) MONTHS OF OPERATIONS, INSPECTIONS SHALL BE CONDUCTED IN EACH DRAINAGE BMP AFTER EVERY RAINFALL EVENT, TO CHECK FOR CLOGGING OR, CONVERSELY, TOO RAPID A STORMWATER RELEASE. FOLLOWING THE SIX (6) MONTHS, INSPECTIONS SHALL BE CONDUCTED, AT A MINIMUM, ANNUALLY.
- IF STANDING WATER IS OBSERVED WITHIN THE DRAINAGE BMPs FOR MORE THAN THREE (3) DAYS AFTER A RAINFALL, THEN FAILURE OF THE SYSTEM MAY HAVE OCCURRED AND SHALL BE ADDRESSED THROUGH REPAIR OR REPLACEMENT.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR THE MAINTENANCE PROGRAM DURING THE CONSTRUCTION PHASE AND FOR A PERIOD OF ONE YEAR AFTER CONSTRUCTION. THE SUPERINTENDENT SHALL SEE THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
- AFTER ACCEPTANCE OF THE SITE BY THE OWNER, THE OWNER SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTING THE MAINTENANCE PROGRAM ON SAID PROPERTIES.
- THE RESPONSIBLE PARTY FOR THE STORMWATER MANAGEMENT PROGRAM IS THE OWNER OF THE SITE AS RECORDED IN THE TOWN ASSESSORS RECORDS DEPARTMENT. THE FUNDING FOR THE STORMWATER MANAGEMENT PROGRAM IS BY THE OWNER. ONCE THE PROPERTY IS SOLD, THE RESPONSIBILITY OF THE STORMWATER MANAGEMENT PROGRAM WILL BE TRANSFERRED TO THE NEW OWNER.

THE FOLLOWING MAINTENANCE PROCEDURES SHALL BE FOLLOWED FOR RAIN GARDENS:

- RAIN GARDENS SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING, PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATION EXCEEDS ONE INCH, OR WHEN WATER PONDS ON THE SURFACE OF THE RAIN GARDEN FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND SHALL BE REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
- PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
- FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
- PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.

THE FOLLOWING MAINTENANCE PROCEDURES SHALL BE FOLLOWED FOR THE CRUSHED STONE DRIVEWAY:

- THE SURFACE OF CRUSHED STONE SHALL BE MONITORED AFTER STORMS TO ENSURE IT DRAINS PROPERLY. THE SURFACE SHALL BE INSPECTED ANNUALLY FOR DETERIORATION AND REPAIRED AS NEEDED.
- CRUSHED STONE SHALL BE REPLACED OR RE-GRADING PERFORMED AS NECESSARY IN CRUSHED STONE DRIVEWAYS TO MAINTAIN A MINIMUM 3" DEPTH OF STONE AND A LEVEL SURFACE.
- USE OF SAND AND SALT ON CRUSHED STONE DRIVEWAYS SHALL BE MINIMIZED.

STRUCTURAL MEASURES

- RUNOFF WATER QUALITY IS IMPROVED UTILIZING RAIN GARDENS. CONSTRUCTION OF THE BMPs SHALL BE SUPERVISED BY THE PROJECT ENGINEER.
- A STONE STABILIZATION PAD IS LOCATED AT THE SITE ENTRANCE TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT OF WAY.
- RIP RAP APRONS SHALL BE INSTALLED AT THE OUTLETS OF ALL DRAINAGE PIPES. CRUSHED STONE ENTRANCE PADS SHALL BE INSTALLED AT THE INFLOW OF ALL RAIN GARDENS TO PREVENT CHANNELING.
- SILT FENCE SHALL BE INSTALLED DOWNSTREAM OUTSIDE THE LIMITS OF ANY PROPOSED CONSTRUCTION AS SHOWN ON THE SITE PLANS AND PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATION.
- TEMPORARY BERMS AND / OR SWALES SHALL BE USED DURING CONSTRUCTION TO DIRECT SURFACE TO TEMPORARY SEDIMENTATION BASINS TO CAPTURE AND TREAT THE MAXIMUM AMOUNT OF STORM WATER.
- RAIN GARDENS ARE NOT TO BE USED AS SEDIMENTATION BASINS DURING CONSTRUCTION AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES (I.E. HEAVY MACHINERY) TO PREVENT COMPACTION. THE CONTRACTOR SHALL CONSTRUCT ANY SEDIMENTATION BASINS WHICH ARE REQUIRED TO MEET ALL GUIDELINES IN THE RHODE ISLAND SOIL EROSION SEDIMENT CONTROL HANDBOOK.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR STRUCTURAL MEASURE IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE USDS SOIL CONSERVATION SERVICE 1989, AS AMENDED - AS A GUIDE.

NON-STRUCTURAL MEASURES

- CONSTRUCTION TRAFFIC SHALL BE LIMITED TO THE ACCESS ROAD, UTILITY EASEMENTS AND AREAS TO BE GRADED.
- TOPSOIL SHALL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATION SHALL BE SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES.
- ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH STATE LAW AND TOWN REGULATIONS. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF DAILY TO AVOID EXPOSURE TO PRECIPITATION.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION OF NON-STRUCTURAL MEASURES AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE 1989, AS A GUIDE.

ESTABLISHMENT OF VEGETATIVE COVER

- SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEED OR PROTECTED.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, M.20.
- THE TEMPORARY SEEDING DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
ANNUAL RYEGRASS	40
PERENNIAL RYEGRASS	60

- THE NEW ENGLAND EROSION CONTROL/RESTORATION SEED MIX SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
UPLAND BENTGRASS	1.0
CREeping BENTGRASS	1.0
BIG BLUESTEM	8.0
NEW ENGLAND ASTER	1.0
FOX SEDGE	8.0
VIRGINIA WILD RYE	28.0
BONESET	1.0
GRASS LEAVED GOLDENROD	1.0
CREeping RED FESCUE	24.0
SOFT RUSH	0.5
SENSITIVE FERN	1.0
SWITCH GRASS	8.0
LITTLE BLUESTEM	15.0
GREEN BULLRUSH	1.0
WOOD GRASS	0.5
BLUE VERVAIN	1.0

- THE GENERAL PURPOSE SEED MIX SHALL BE COMPRISED URI #2 OF THE FOLLOWING:

TYPE	% BY WEIGHT
CREeping RED FESCUE	40
IMPROVED PERENNIAL RYE GRASS	20
IMPROVED KENTUCKY BLUEGRASS	30
KENTUCKY BLUEGRASS	10

- EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. SEEDING SCHEDULE SHOULD CONFORM WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LO2.03.1 SEEDING DATES. PERMANENT SEEDING SHALL BE DURING THE APRIL 1 TO MAY 31 OR AUGUST 15 TO OCTOBER 15. TEMPORARY SEEDING MAY BE DONE ANYTIME BETWEEN MARCH 15 AND NOVEMBER 15 WITH THE APPROVAL OF THE ENGINEER OF RECORD. FERTILIZER AS REQUIRED BY SOIL TESTING TO COMPLEMENT OR UPGRADE EXISTING CONDITIONS. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS AND BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUMS FOR EACH VARIETY.
- TEMPORARY TREATMENTS SHALL CONSIST OF STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING. TEMPORARY HAY MULCH TO BE TACKED IN PLACE WITH NYLON MESH NETTING. SIDE SLOPES OF BASINS SHALL BE TREATED WITH NORTH AMERICAN GREEN EROSION CONTROL BLANKETS SUCH AS S150 OR APPROVED EQUAL. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER. HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 2 TONS/ACRE.

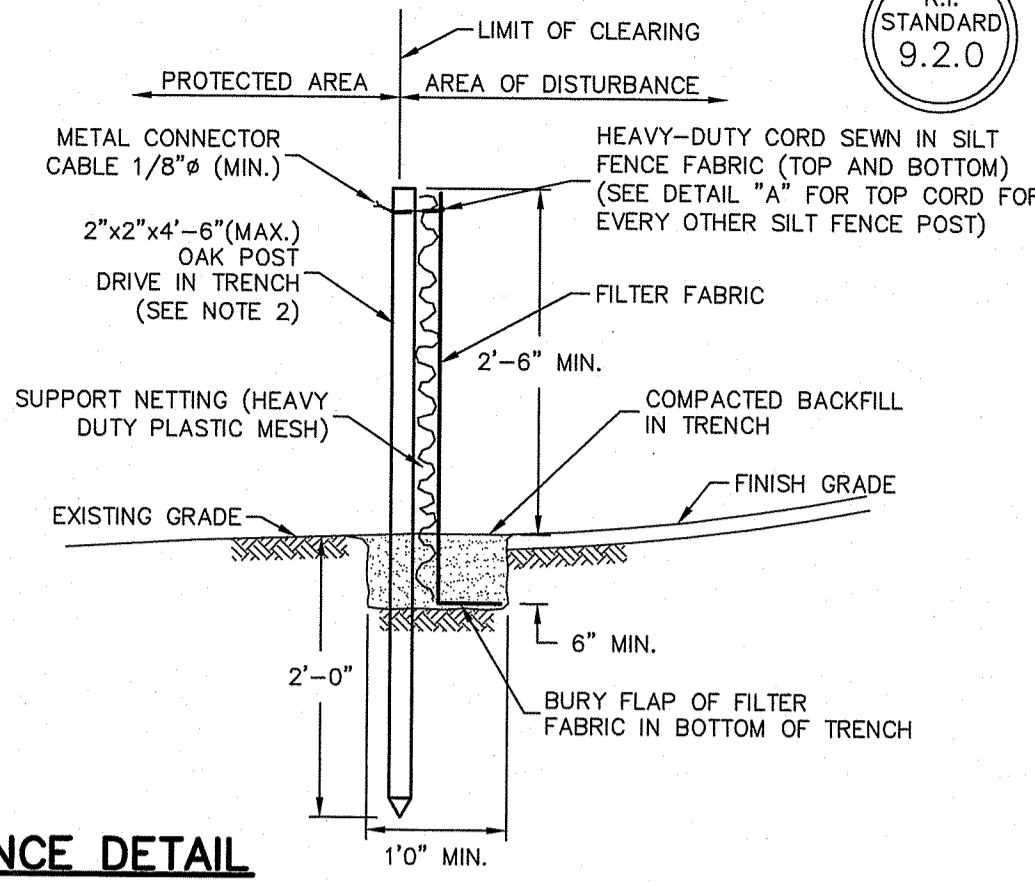
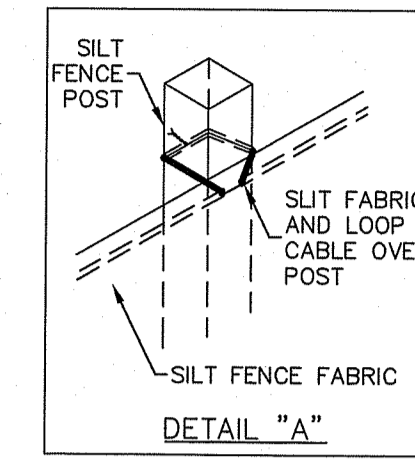
- TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 202.
- STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED.
- ALL AREAS PROPOSED TO BE VEGETATED THAT ARE DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. PERMANENTLY SEEDING AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH MULCH. ALL SEEDING AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STANDARD IS MAINTAINED. WELL ESTABLISHED VEGETATION SHALL BE MAINTAINED. BARE OR ERODED AREAS SHALL BE IMMEDIATELY REPAIRED AND RESEED BY THE CONTRACTOR. ACTIVITIES SHALL BE CONFINED TO WITHIN THE LIMIT OF WORK AS SHOWN ON THE PLANS.
- MAXIMUM PERMANENT GRADED SLOPE WITHIN THE SITE IS TO BE 3:1 UNLESS NOTED OTHERWISE.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE 1989 AS AMENDED -AS A GUIDE.

SEQUENCE OF CONSTRUCTION OF CONSTRUCTION AND STAGING OF LAND DISTURBING ACTIVITIES

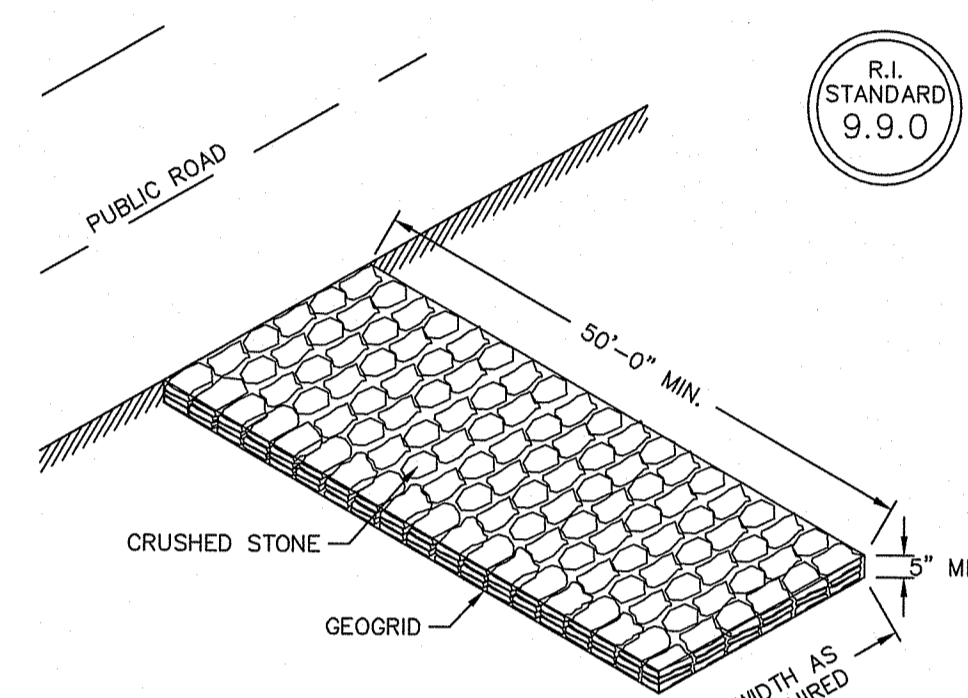
- CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL (SE & SC) ON-SITE. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM OWNER OR THEIR REPRESENTATIVE.
- CONSTRUCTION TO BEGIN IN THE SUMMER 2019 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- SURVEY AND STAKE THE DRAINAGE BMPs (RAIN GARDENS), DRAIN LINES, WATER LINES, AND LIMIT OF SEDIMENTATION BARRIERS/LIMIT OF DISTURBANCE.
- PLACE SEDIMENTATION BARRIERS (SILT FENCE) AS SHOWN ON THE APPROVED PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS. PLACE BARRIERS AROUND RAIN GARDENS. NO CONSTRUCTION TRAFFIC IS PERMITTED IN THESE AREAS.
- INSTALL TEMPORARY SEDIMENTATION CONTROL MEASURES AND DEVICES AS WARRANTED. ALL TEMPORARY CONTROL DEVICES SHALL BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK.
- BEGIN CLEARING AND GRUBBING IN AREA OF THE BUILDING, DRAINAGE BMPs, DRIVEWAY AND OTHER AREAS AS INDICATED ON THE PLANS. TOPSOIL IS TO BE STRIPPED AND STOCKPILED IN APPROVED LOCATIONS. TOPSOIL STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIERS AND COVERED OR TEMPORARILY SEEDED.
- BEGIN EARTHWORK OPERATIONS AND CONSTRUCTION OF THE BUILDING FOUNDATION AND STRUCTURE.
- BEGIN CONSTRUCTION OF THE UTILITIES AND DRAINAGE BMPs
- ONCE THE SITE IS STABILIZED THE DRAINAGE BMPs MAY BE BROUGHT ONLINE WITH THE APPROVAL OF THE DESIGN ENGINEER.
- WITHIN PUBLIC AND PRIVATE RIGHTS OF WAY, COORDINATE THE MILL UTILITY TRENCHES AND REPAVE BITUMINOUS ASPHALT SURFACE COURSE WITH THE TOWN OF NARRAGANSETT AND APPLICABLE ABUTTING OWNERS.
- REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.

NOTES:

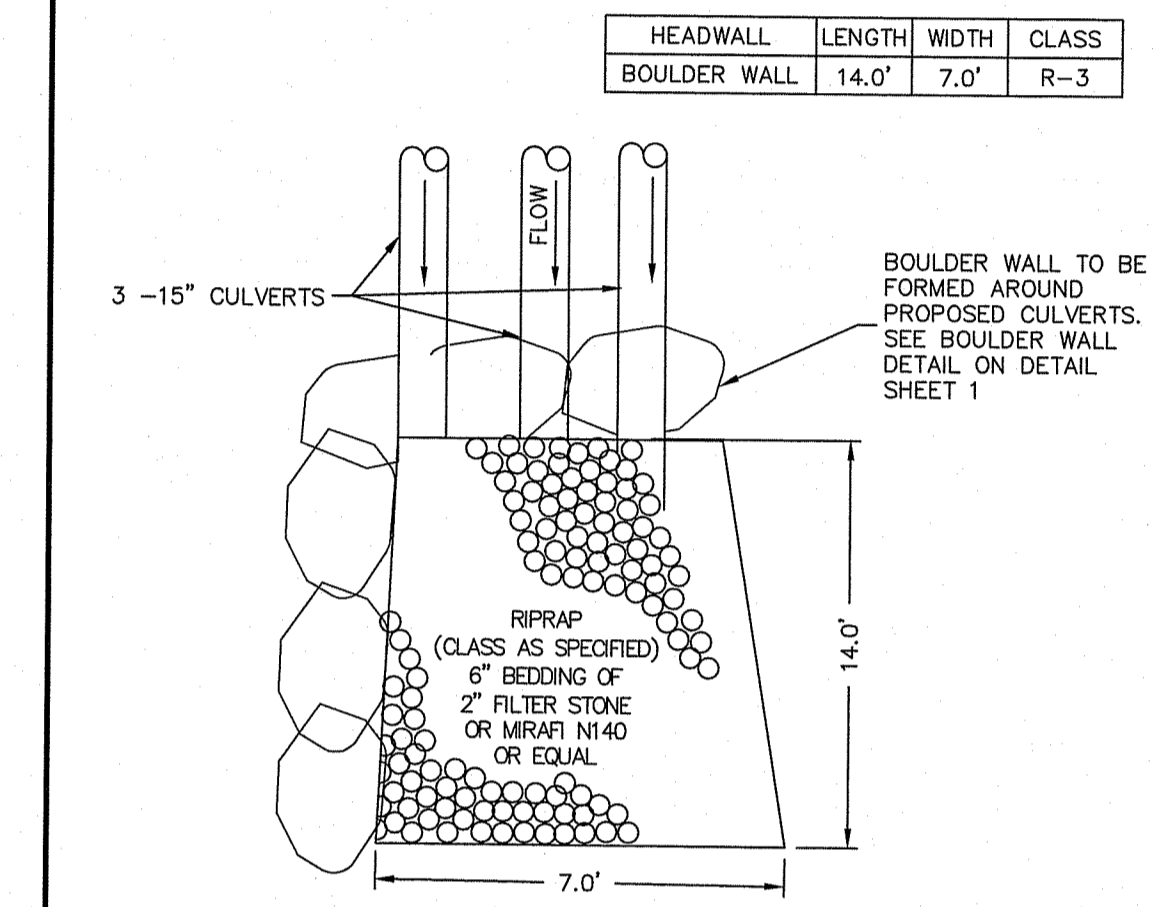
- SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
- 2"x2"x4'-6"(MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
- 1"x1"x4'-6"(MIN.) POSTS PERMITTED FOR PRE-FABRICATED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



SILT FENCE DETAIL
NOT TO SCALE



CONSTRUCTION ACCESS
NOT TO SCALE



Riprap Apron/Headwall Detail
NOT TO SCALE

JASON P. CLOUGH
No. [Signature]
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	DESIGN BY
1	06/20/2020	DESIGN	J.A.D.
2	06/28/2020	REVISION	J.A.D.
3	06/28/2020	REVISION	J.A.D.

JUN 29 2020

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED AUG 07 2020 FILE # 20-0016
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Detail Sheet - 2
Blossom Way/Robinson Street
Pat Q Lot G2, Plat D Lots 140-A & Lot 141-A
Narragansett, Rhode Island
Deslandes Realty, LLC
126 Bellows Street, Warwick, RI 02888
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DESIGNED BY: J.A.D. DRAWN BY: J.A.D.