

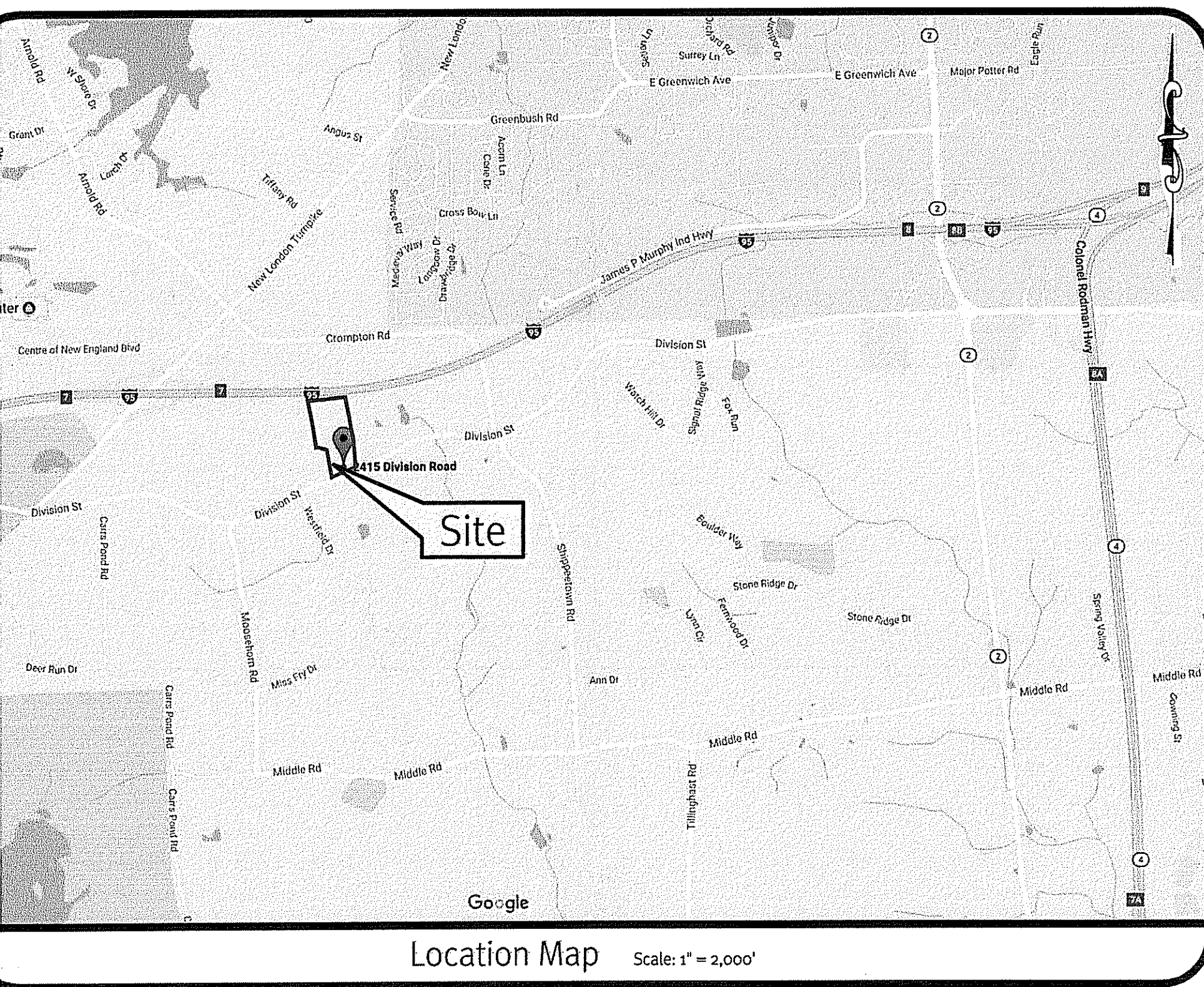
Preliminary Submission

# Division Road Subdivision

2415 Division Road

East Greenwich, Rhode Island 02818

Assessor's Map 67, Plat 13, Lot 29



## Sheet Index

1. Cover Sheet
2. 1/2 Mile Aerial & USGS Map
3. Existing Conditions Plan
4. Boundary Survey
5. Proposed Site Plan
6. Detail Sheet

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED OCT 20 2018 FILE # 18-0213  
NO CHANGES ALLOWED WITHOUT PERMITTING AGENCY APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Holbert*

Environmental Management  
SEP 12 2018  
Office of Water Resources

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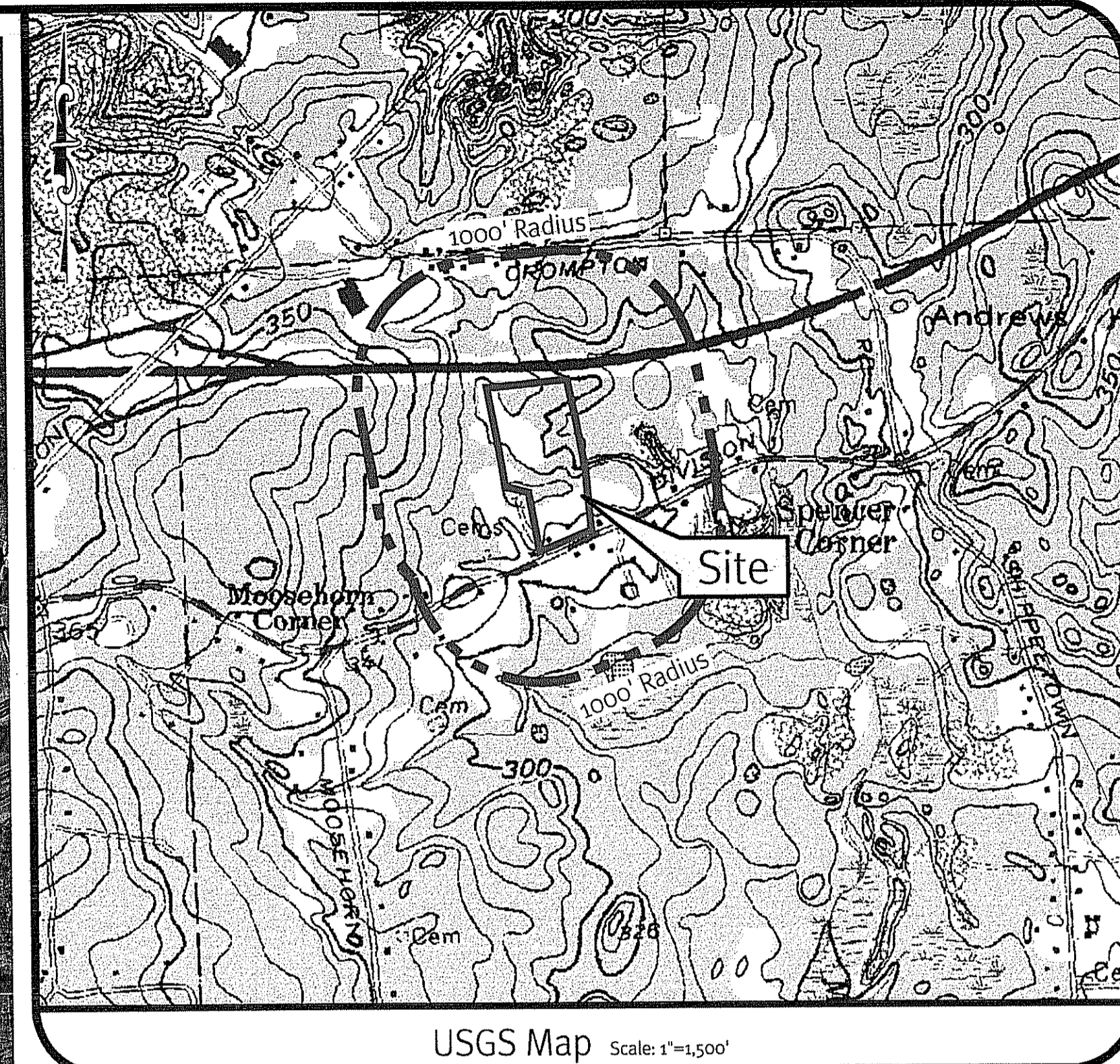
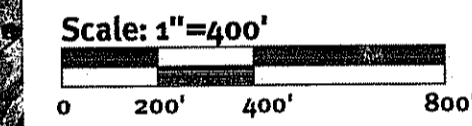


Photo obtained from the RI-GIS.



Environmental Management  
SEP 12 2018  
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER DIVISION  
APPROVED FOR CONSTRUCTION  
AS SPECIFIED IN THE PERMITS  
DATED 02/27/2018  
NO CHANGES ALLOWED WITHOUT THE  
APPROVED PLANNING DIVISION  
18-0013  
*Chris H. [Signature]*

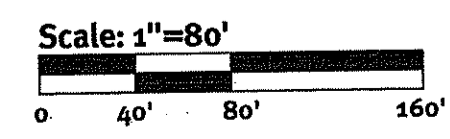
**DiPrete Engineering**  
Two Stafford Court Cranston, RI 02920  
tel 401-943-1000 fax 401-464-6006 www.diprete-eng.com  
Boston • Providence • Newport

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.

No.	Date	Description	By
1	09-25-2018	Site Plan	J.A.K.
2	09-25-2018	Site Plan	J.A.K.
3	09-25-2018	Site Plan	J.A.K.
4	09-25-2018	Site Plan	J.A.K.
5	09-25-2018	Site Plan	J.A.K.
6	09-25-2018	Site Plan	J.A.K.
7	09-25-2018	Site Plan	J.A.K.
8	09-25-2018	Site Plan	J.A.K.
9	09-25-2018	Site Plan	J.A.K.
10	09-25-2018	Site Plan	J.A.K.
11	09-25-2018	Site Plan	J.A.K.
12	09-25-2018	Site Plan	J.A.K.
13	09-25-2018	Site Plan	J.A.K.
14	09-25-2018	Site Plan	J.A.K.
15	09-25-2018	Site Plan	J.A.K.
16	09-25-2018	Site Plan	J.A.K.
17	09-25-2018	Site Plan	J.A.K.
18	09-25-2018	Site Plan	J.A.K.
19	09-25-2018	Site Plan	J.A.K.
20	09-25-2018	Site Plan	J.A.K.

**1/2 Mile Aerial & USGS Map**  
**Division Road Subdivision**  
Map 57, File 15, 14, 12  
East Greenwich, Rhode Island 02818  
System:  
**David and Tammy Allaire**  
1967 Division Road  
East Greenwich, Rhode Island 02818  
R.I.D.E.M. COPY



**General Notes:**

1. THE SITE IS LOCATED ON THE TOWN OF EAST GREENWICH, RHODE ISLAND, ASSESSOR'S MAP 67 PLAT 13 LOT 29.
2. THE SITE IS APPROXIMATELY 15.53± ACRES AND IS ZONED F2.
3. THE OWNER OF MAP 67 PLAT 13 LOT 29 IS: DAVID W & TAMMY R ALLAIRE, 1957 DIVISION ROAD, EAST GREENWICH RI 02818
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44003C0116H, MAP REVISED OCTOBER 2, 2015
5. TOPOGRAPHY WAS OBTAINED FROM LIDAR MAPS. ELEVATIONS ARE APPROXIMATE AND REFERENCED TO THE NAD '83 US FEET DATUM. PRIOR TO ANY DEVELOPMENT ON THE SITE, THE OWNER SHALL VERIFY ELEVATIONS USING FIELD SURVEY.
6. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
7. THE SITE IS NOT WITHIN A:
  - GROUNDWATER PROTECTION AREA (RIDEM)
  - NATURAL HERITAGE AREAS (RIDEM)
  - GROUNDWATER PROTECTION OVERLAY DISTRICT (TOWN)
  - GREENWICH BAY SAMP (CRMC)
8. WETLANDS SHOWN ONSITE HAVE BEEN FLAGGED BY DIPRETE ENGINEERING ON 11/27/2017. WETLANDS SHOWN OFFSITE ARE FROM RI-GIS AND ARE APPROXIMATE.

**Soil Information:**

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

SOIL NAME	DESCRIPTION
BhA	BRIDGEHAMPTON SILT LOAM, 0 TO 3 PERCENT SLOPES
ChC	CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES
HnC	HINCKLEY-ENFIELD COMPLEX, ROLLING
SwA	SWANSEA MUCKY PEAT, 0 TO 2 PERCENT SLOPES
UD	UDORTHTENTS-URBAN LAND COMPLEX

**Abbreviations:**

EXISTING	EX
ASSESSOR'S PLAT	AP
NOW OR FORMERLY	N/F

**Certification Note:**

THE EXISTING DATA COMPILED ON THIS EXISTING CONDITIONS PLAN IS FROM EXISTING MAPS AND RECORDED DATA. DUE TO METHODS OF COMPILATION AND ACCURACY OF SOME MAPS USED TO COMPLETE THIS PLAN, THERE MAY BE SOME DEVIATIONS FROM SAID MAPS AND/OR DATA AND THIS PLAN. THERE ARE MANY FACTORS WHICH LEAD TO THIS, INCLUDING THE ACCURACY OF SAID MAPS AND DATA, AND KNOWN SITE FEATURES SUCH AS STONE WALLS, ROADWAYS, AND BUILDINGS. THESE DEVIATIONS ARE COMMON WHEN COMPILING MAPS AND DATA FROM VARIOUS SOURCES AND CANNOT BE AVOIDED WITHOUT AN ACTUAL FIELD SURVEY AND DEED RESEARCH. THIS PLAN IS TO BE UTILIZED FOR DISCUSSION PURPOSES ONLY. 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.

**Legend:**

SITE PROPERTY LINE	(Symbol)
ASSESSOR LINE	(Symbol)
EX MAJOR FOOT CONTOUR	160
EX MINOR FOOT CONTOUR	158
WETLAND EDGE (APPROX.)	(Symbol)
WETLAND HATCH (APPROX.)	(Symbol)
50' PERIMETER WETLAND	(Symbol)
WETLAND FLAG	(Symbol)
WETLAND EDGE HATCH	(Symbol)
EX STONE WALL	(Symbol)
EX FENCE	(Symbol)
SOIL LINE AND DESIGNATION	HnC, ChC
LAND USE	DECIDUOUS FOREST, MEDIUM DENSITY RESIDENTIAL

Environmental Management  
 SEP 12 2018  
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED OCT 29 2018 FILE # 18-0313  
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*Charles D. Roberts*

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

DAVID A. RUSSO  
 No. 1435  
 REGISTERED PROFESSIONAL ENGINEER CIVIL

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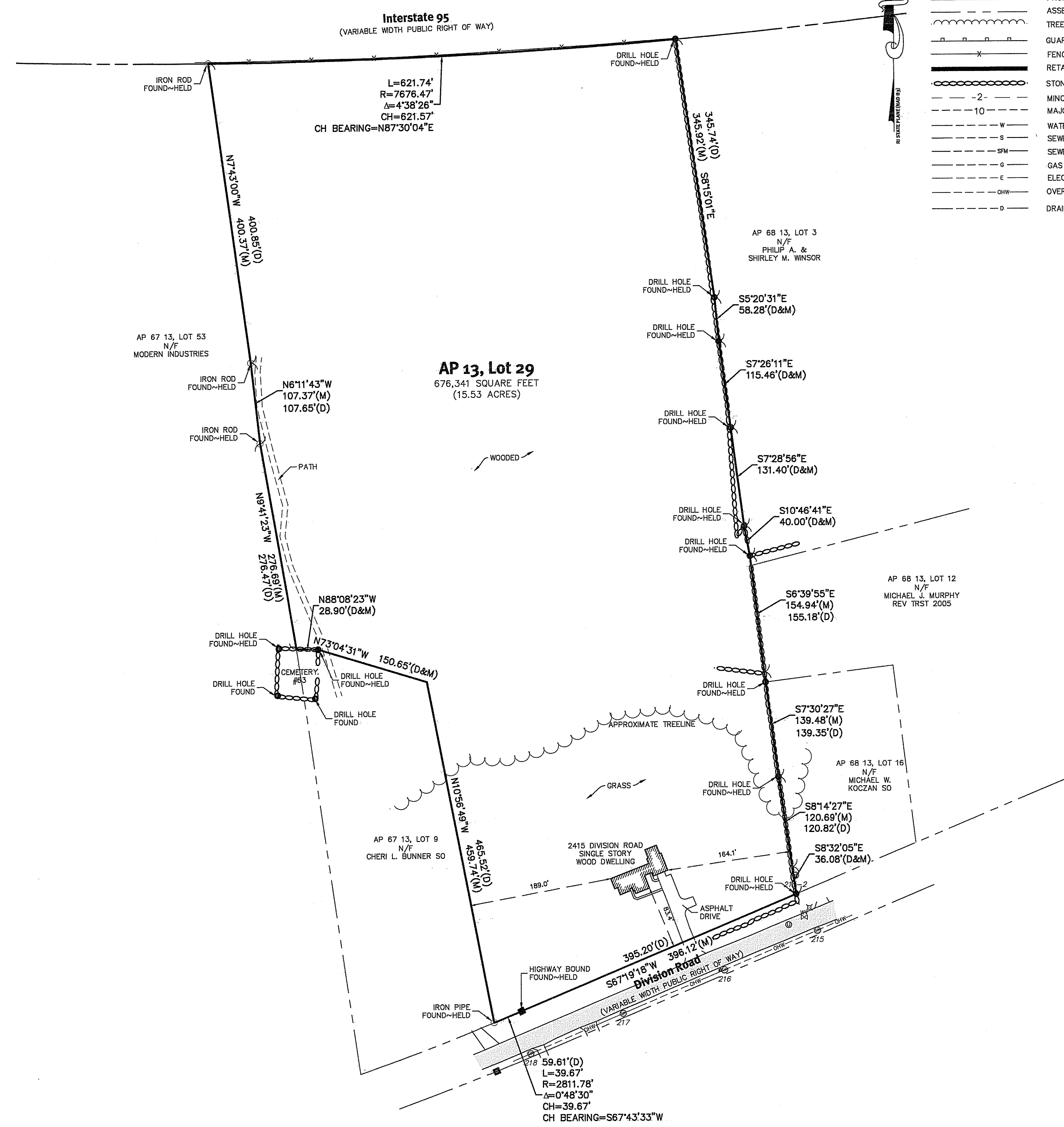
No.	Date	Description	By:
1	08-28-2018	ISSUE FOR PERMITTING	J.A.R.
2	08-28-2018	ISSUE FOR PERMITTING	J.A.R.
3	08-28-2018	ISSUE FOR PERMITTING	J.A.R.
4	09-22-2018	General Map	J.A.R.
5	09-22-2018	General Map	J.A.R.
6	09-22-2018	General Map	J.A.R.
7	09-22-2018	General Map	J.A.R.
8	09-22-2018	General Map	J.A.R.
9	09-22-2018	General Map	J.A.R.
10	09-22-2018	General Map	J.A.R.

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

Existing Conditions Plan  
**Division Road Subdivision**  
 Map 67 Plat 13 Lot 29  
 East Greenwich, Rhode Island 02818  
**David and Tammy Allaire**  
 1957 Division Road  
 East Greenwich, Rhode Island 02818

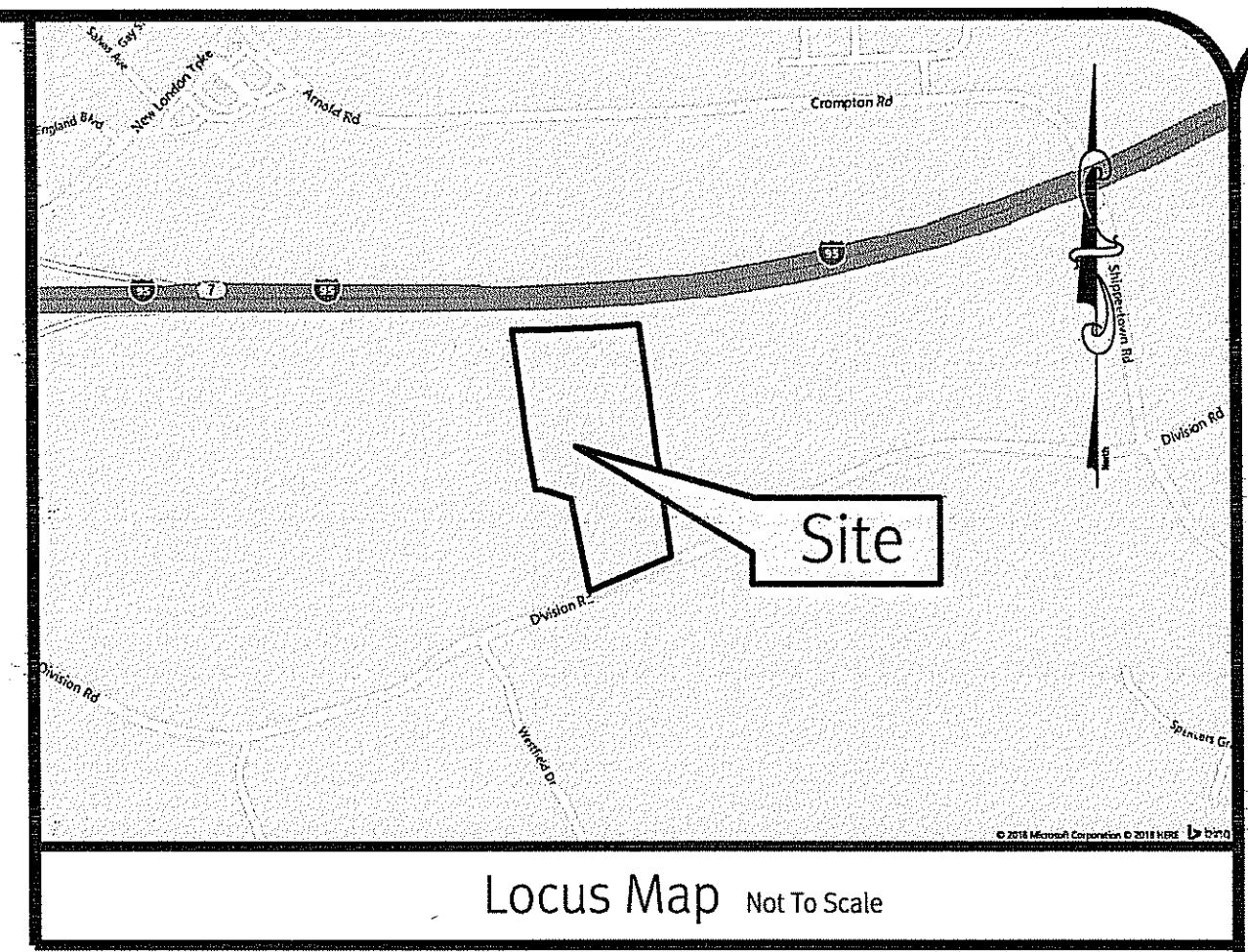
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**Legend**  
NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

	BUILDING		NAIL FOUND/SET
	ASSESSOR'S PLAT		DRILL HOLE FOUND/SET
	NOW OR FORMERLY		IRON ROD/PIPE FOUND/SET
	DEED		BOUND FOUND/SET
	MEASURED		SIGN
	CHORD ANGLE		BOLLARD
	HANDICAPPED		SOIL EVALUATION
	PROPERTY LINE		CATCH BASIN
	ASSESSORS LINE		DOUBLE CATCH BASIN
	TREELINE		DRAINAGE MANHOLE
	GUARDRAIL		FLARED END SECTION
	FENCE		GUY POLE
	RETAINING WALL		ELECTRIC MANHOLE/HANDHOLE
	STONE WALL		UTILITY/POWER POLE
	MINOR CONTOUR LINE		LIGHTPOST
	MAJOR CONTOUR LINE		SEWER/SEPTIC MANHOLE
	WATER LINE		SEWER VALVE
	SEWER LINE		CLEANOUT
	SEWER FORCE MAIN		HYDRANT
	GAS LINE		IRRIGATION VALVE
	ELECTRIC LINE		WATER VALVE
	OVERHEAD WIRES		WELL
	DRAINAGE LINE		MONITORING WELL
			UNKNOWN MANHOLE
			GAS VALVE
			WETLAND FLAG
			BENCH MARK
			SHRUB
			TREE



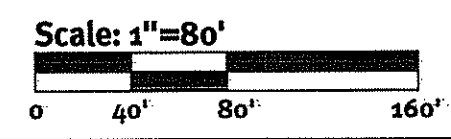
- General Notes**
1. THE PARCEL IS FOUND ON ASSESSOR'S PLAT 13, LOT 29 IN THE TOWN OF EAST GREENWICH, KENT COUNTY, RHODE ISLAND.
  2. THE OWNER PER DEED BOOK 1311, PAGE 131 IS DAVID W. & TAMMY R. ALLAIRE TR.
  3. BASED ON GRAPHICAL PLOTTING ONLY, THE PARCEL IS LOCATED IN X PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 44003C0118C, DATED DECEMBER 3, 2010 & 44003C0118H, DATED OCTOBER 2, 2015. THIS DESIGNATION MAY CHANGE BASED UPON REVIEW BY A FLOOD ZONE SPECIALIST OR BY THE RESULTS OF A COMPREHENSIVE FLOOD STUDY.
  4. THE PARCEL IS ZONED F2 BASED ON TOWN OF EAST GREENWICH ZONING. ANY OVERLAY DISTRICTS, SPECIAL PERMITS OR VARIANCES SPECIFIC TO THIS SITE ARE NOT TAKEN INTO CONSIDERATION. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
  5. THERE WERE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY.
  6. FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING ON JULY 30, 2018. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
  7. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS, DEEDS OR CLAIMS THAT A TITLE REPORT WOULD DISCLOSE.
- Plan References:**
1. "ADMINISTRATIVE SUBDIVISION LAND TO BE CONVEYED BUY E. RAYMOND AND LILLIAN CARPENTER TO ANDREW AND BETSEY THOMSON, A /PLAT 13, LOTS 9 AND 29 EAST GREENWICH RI AUGUST 25, 2008". SCALE 1"=50'; BY ROBERT J. CURRAN, PROFESSIONAL LAND SURVEYOR. RECORDED IN THE TOWN OF EAST GREENWICH LAND EVIDENCE RECORDS ON PLAT CARD 808.
  2. PLAT CARD 508.
  3. "A SURVEY OF LAND FOR E. RAYMOND CARPENTER ET UX EAST GREENWICH RI", DATED SEPTEMBER 1987, RECORDED IN THE TOWN OF EAST GREENWICH LAND EVIDENCE RECORDS.

Environmental Management  
SEP 12 2018  
Office of Water Resources

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OFFICE OF WATER RESOURCES  
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**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 JANUARY 1, 2016, AS FOLLOWS:  
TYPE OF SURVEY: COMPREHENSIVE BOUNDARY SURVEY  
MEASUREMENT SPECIFICATION: CLASS 1  
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
PERIMETER RETRACEMENT PERFORMED BY DIPRETE ENGINEERING FOR THE PURPOSE OF SITE ENGINEERING AND PERMITTING.

ROBERT G. BABCOCK  
No. 2504  
PROFESSIONAL LAND SURVEYOR



ROBERT G. BABCOCK, RIPLS #2504, COA #LS.000A160  
8/3/2018

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

No.	Date	Description	Drawn By	E.L.T.
0	8-3-2018	Boundary Survey		

**Boundary Survey**  
**2415 Division Road**  
East Greenwich, Rhode Island  
Client: **David and Tammy Allaire**  
1907 Division Road, East Greenwich, Rhode Island 02818  
tel: 401-943-1900  
DE Job No: 2509-001 Copyright 2018 by Diprete Engineering Associates, Inc.

R.I.D.E.M. COPY



**MAINTENANCE: SHORT TERM**

- THE STONE STABILIZATION PADS AT THE SITE ENTRANCES 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 (HAY, STRAW, ETC.), AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. SILT FENCE SHALL BE INSPECTED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH STORM 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 SILT FENCE BECOMES FILLED IN WITH SEDIMENT. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR PROTECTIVE ENGINEER THAT AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED THE SILT FENCE SHALL BE REMOVED.
- ALL STORM DRAIN INLETS TO BE PROTECTED WITH SILT SACK OR EQUAL UNTIL FINAL SITE STABILIZATION IS ATTAINED.
- SPILLS AND LEAKS SHALL BE AVOIDED THROUGH FREQUENT INSPECTION OF EQUIPMENT AND MATERIAL STORAGE AREAS. HEAVY EQUIPMENT AND OTHER VEHICLES SHALL BE ROUTINELY INSPECTED FOR LEAKS AND REPAIRED AS NECESSARY. MATERIAL STORAGE AREAS SHALL BE ROUTINELY INSPECTED FOR LEAKY CONTAINERS, OPEN CONTAINERS, OR IMPROPER STORAGE TECHNIQUES THAT MAY LEAD TO SPILLS OR LEAKS. APPROPRIATE CLEANUP PROCEDURES AND SUPPLIES SHALL BE AVAILABLE ON-SITE AND SHOULD BE CLEARLY MARKED SO THAT ALL PERSONNEL CAN LOCATE AND ACCESS THESE SUPPLIES QUICKLY. SPILLS SHALL BE CLEANED UP IMMEDIATELY AND FOLLOWING PROPER RESPONSE PROCEDURES AND IN ACCORDANCE WITH ANY APPLICABLE REGULATORY REQUIREMENTS. AT NO TIME SHALL SPILLS BE CLEANED AND FLUSHED DOWN STORM DRAINS OR IN TO ANY ENVIRONMENTALLY SENSITIVE AREA (I.E. STREAM, POND, WETLAND).
- VEHICLE MAINTENANCE, FUELING AND WASHING SHALL OCCUR OFF-SITE, OR IN DESIGNATED AREAS DEPICTED ON THE APPROVED PLANS OR APPROVED BY THE SITE OWNER. MAINTENANCE OR WASHING AREAS SHALL NOT BE WITHIN 50-FOET OF THE STORM DRAIN SYSTEM. MAINTENANCE AREAS SHALL BE CLEARLY DESIGNATED, AND BURNS, SANDBAGS, OR OTHER BARRIERS SHALL BE USED AROUND THE PERIMETER OF THE MAINTENANCE AREA TO PREVENT STORMWATER CONTAMINATION. CONSTRUCTION VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS. REPAIRS SHALL TAKE PLACE IMMEDIATELY. DISPOSAL OF ALL USED OIL, ANTIFREEZE, SOLVENTS AND OTHER AUTOMOTIVE-RELATED CHEMICALS SHALL BE ACCORDING TO APPLICABLE REGULATIONS. AT NO TIME SHALL ANY MATERIAL BE WASHED DOWN THE STORM DRAIN OR IN TO ANY ENVIRONMENTALLY SENSITIVE AREA.
- THE DEWATERING OF CONTAMINATED NON-STORMWATER CANNOT BE DISCHARGED WITHOUT OBTAINING A RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT RIDGES DISCHARGE PERMIT TO DO SO. IF DEWATERING OF CONTAMINATED WATER IS ANTICIPATED AT THE SITE, APPROPRIATE PERMITS MUST BE OBTAINED IN ADVANCE.
- 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 OR APPROVED EQ. SHALL BE STAKED AROUND THE STOCKPILES.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR FOLLOWING FINAL GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL CHECK ALL SEEDED 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.
- VEHICLE MAINTENANCE AND WASHING SHALL OCCUR OFF-SITE, OR IN DESIGNATED AREAS DEPICTED ON THE APPROVED PLANS OR APPROVED BY THE SITE OWNER.
- DUST CONTROL PROCEDURES AND PRACTICES SHALL BE USED TO SUPPRESS DUST ON A CONSTRUCTION SITE DURING THE CONSTRUCTION PROCESS, AS APPLICABLE. DUST CONTROL MEASURES OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (AS AMENDED) OR THE RI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (AS AMENDED) SHALL BE FOLLOWED.
- 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.
- 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.

**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 SEEDED 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

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	24.0
CREeping RED FESCUE	0.5
SOFT RUSH	2.0
SENSITIVE FERN	1.0
SWITCH GRASS	8.0
LITTLE BLUESTEM	15.0
GREEN BULLRUSH	1.0
WOOL GRASS	0.5
BLUE VERVAIN	1.0

- THE GENERAL PURPOSE SEED MIX SHALL BE URI #2 AND COMPRISED OF THE FOLLOWING:
- | TYPE                         | % BY WEIGHT |
|------------------------------|-------------|
| CREeping RED FESCUE          | 40          |
| IMPROVED PERENNIAL RYE GRASS | 20          |
| IMPROVED KENTUCKY BLUEGRASS  | 30          |
| KENTUCKY BLUEGRASS           | 10          |

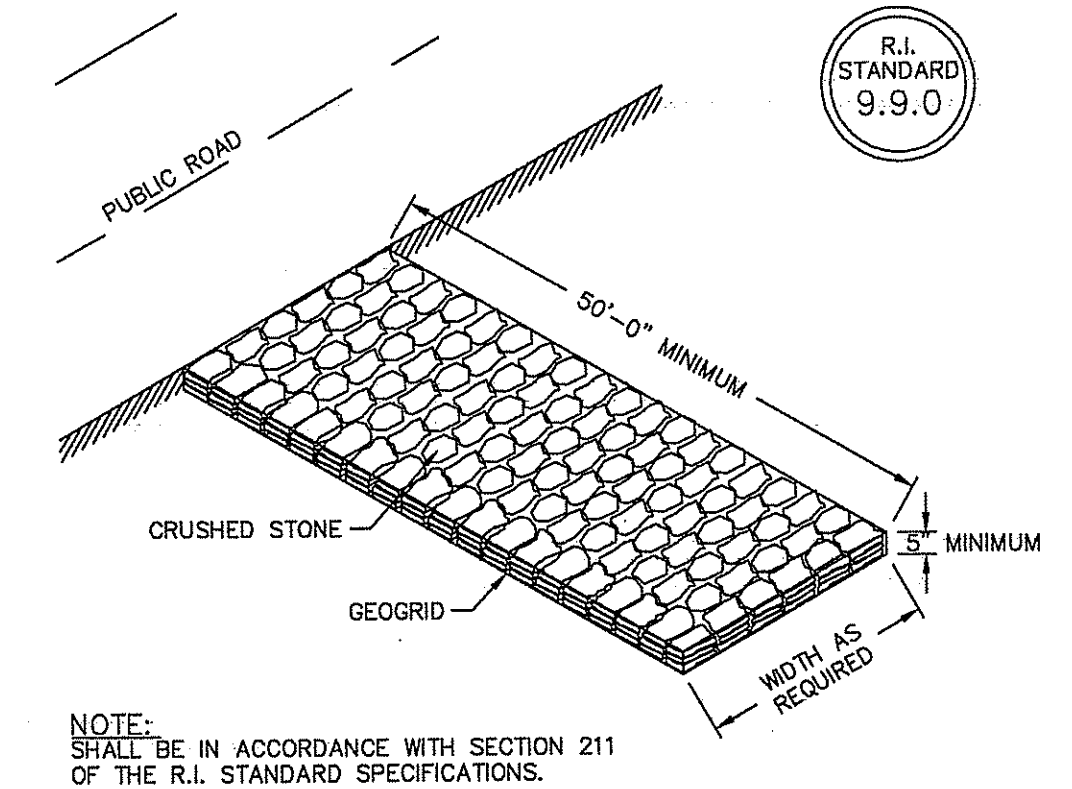
- EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. SEEDING SCHEDULE SHOULD CONFORM WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, L.02.03.1 SEEDING DATES. PERMANENT SEEDING SHALL BE DURING THE APRIL 1 TO MAY 31 OR AUGUST 15 TO OCTOBER 15. TEMPORARY SEEDING MAY BE DONE ANYTIME BETWEEN MARCH 15 AND NOVEMBER 15 WITH THE APPROVAL OF THE ENGINEER OF RECORD. FERTILIZE AS REQUIRED BY SOIL TESTING TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS AND BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULANTS FOR EACH VARIETY.
- TEMPORARY TREATMENTS SHALL CONSIST OF HAY, 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.
  - ALL 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 SEEDED AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH MULCH. ALL SEEDED 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 A GUIDE.

**STRUCTURAL MEASURES**

- RUNOFF WATER QUALITY IS IMPROVED UTILIZING STONE INFILTRATION TRENCHES. CONSTRUCTION OF THE BMPs SHALL BE SUPERVISED BY THE PROJECT ENGINEER. THE STONE INFILTRATION TRENCHES SHALL BE BUILT TO CONTROL RUNOFF FOR 1 THROUGH 10 YEAR STORM FREQUENCIES.
- A STONE STABILIZATION PAD IS LOCATED AT THE SITE ENTRANCE TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT OF WAY.
- 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.
- INFILTRATION TRENCHES ARE NOT TO BE USED AS SEDIMENTATION BASINS.
- 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.
- CONTRACTOR TO PROTECT POST DEVELOPMENT BMPs FROM RUNOFF UNTIL ALL TRIBUTARY AREAS ARE FULLY STABILIZED.
- INFILTRATION BMPs SHALL BE STAKED PRIOR TO CONSTRUCTION. NO CONSTRUCTION OR EQUIPMENT IS ALLOWED WITHIN LIMITS OF INFILTRATION BMP. INFILTRATION BMPs CAN BE BROUGHT ONLINE ONCE ALL TRIBUTARY AREAS ARE FULLY STABILIZED.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE 1989, AS A GUIDE.

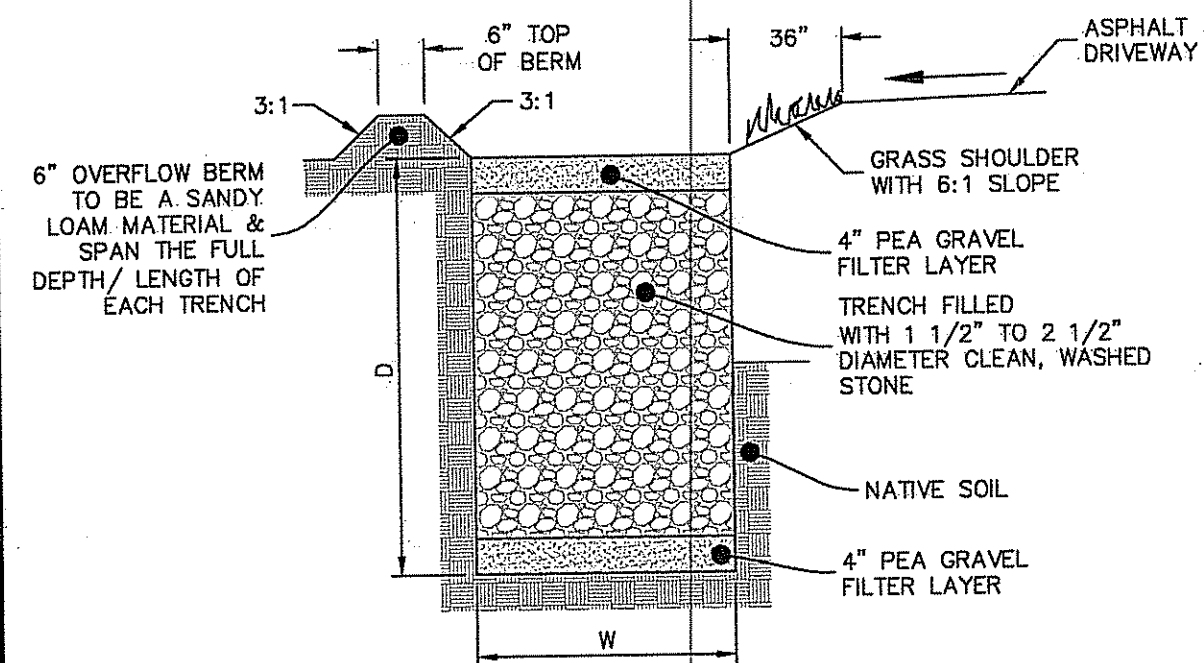
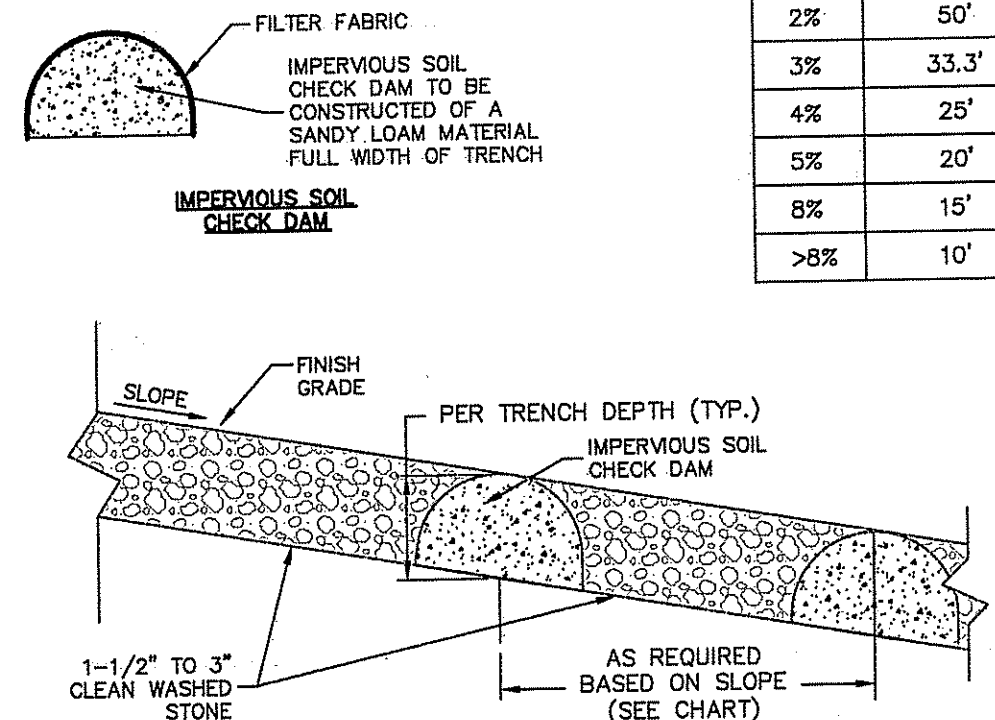
**NON-STRUCTURAL MEASURES**

- CONSTRUCTION TRAFFIC SHALL BE LIMITED TO THE ACCESS POINTS, 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 REGULATIONS. CONSTRUCTION DEBRIS SHALL BE DISPOSED 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.



**DAM LOCATION CHART**

CROSS SLOPE	DISTANCE BETWEEN DAMS
1%	100'
2%	50'
3%	33.3'
4%	25'
5%	20'
8%	15'
>8%	10'

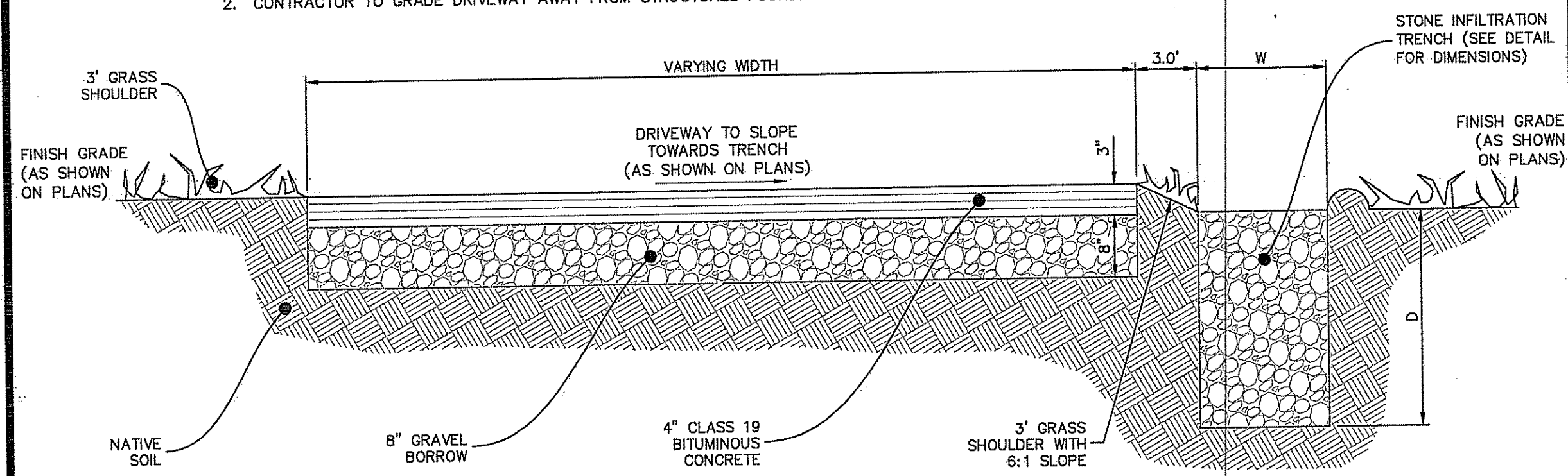


LOCATION	TRENCH DEPTH (D)	TRENCH WIDTH (W)
LOT 1 DRIVEWAY	48"	27"
SHARED DRIVEWAY	24"	33"
ROUNDABOUT	48"	36"
LOT 4 DRIVEWAY	48"	60"

**Stone Infiltration Trench**  
NOT TO SCALE

**STONE TRENCH CHECK DAM DETAIL**  
NOT TO SCALE

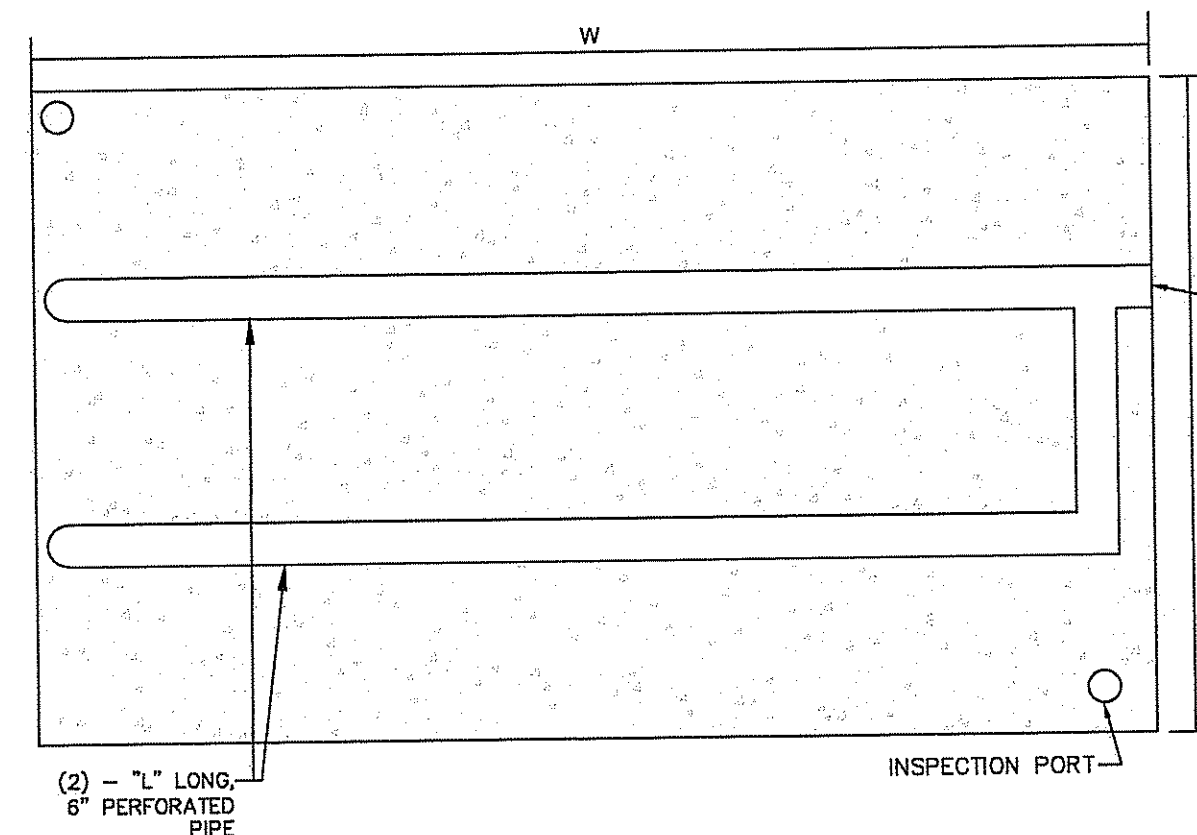
- NOTES:
- DRIVEWAY FOR LOT 1 DOES NOT INCLUDE THE 3' GRASS SHOULDER.
  - CONTRACTOR TO GRADE DRIVEWAY AWAY FROM STRUCTURES FOUNDATION & TOWARDS STONE TRENCH.



**Typical Driveway & Roadway Section**  
NOT TO SCALE

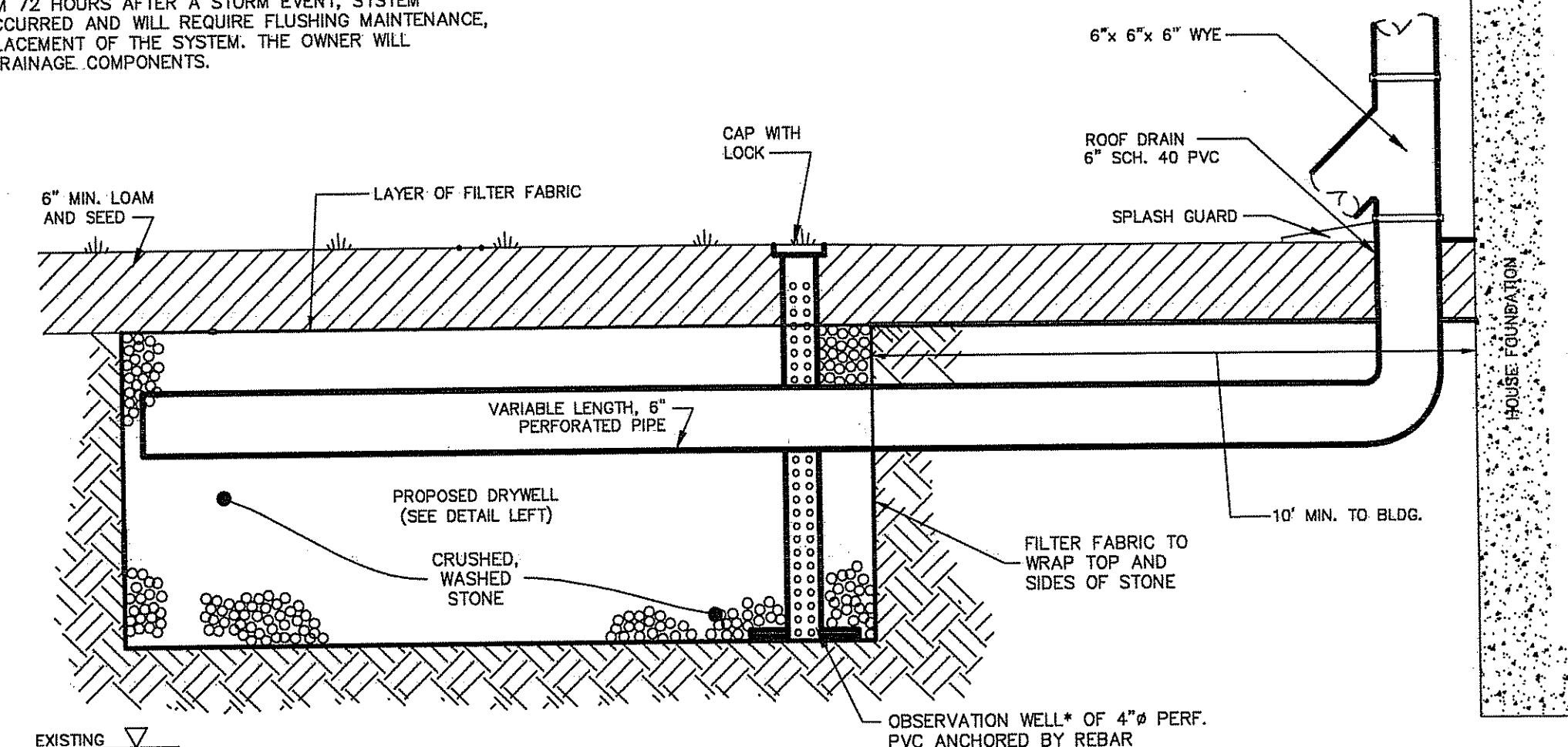
LOCATION	DRYWELL LENGTH (L)	DRYWELL WIDTH (W)	DRYWELL DEPTH (D)
LOT 1 DRYWELLS	10'	20'	4'
LOT 3 DRYWELLS	10'	25'	3.5'
LOT 4 DRYWELLS	10'	23'	4'

**House Drywell Detail (Plan)**  
NOT TO SCALE



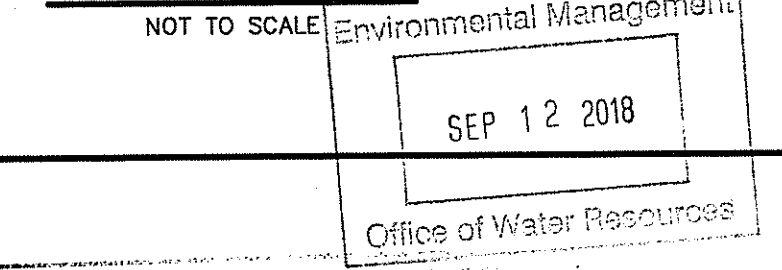
**CONSTRUCTION, MAINTENANCE, & INSPECTION NOTES:**

- ROOF LEADERS ARE TO BE TIED 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.
- PLACE FILTER FABRIC ALONG THE SIDES OF DRYWELL AND FILL WITH CRUSHED, WASHED STONE.
- OVERLAP FILTER FABRIC ON THE TOP OF THE FILTER STONE. BACK FILL WITH CLEAN FILL TO FINISH GRADE.
- (4) 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

**Construction Access**



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WATER QUALITY  
APPROVED WITH COMMENTS  
AS SPECIFIED IN THE LETTER 18-0013  
DATED OCT 29 2018  
NO CHANGES ALLOWED WITHOUT APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION

*James A. Hester*

**DAVID A. RUSSO**  
No. 1235  
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.

NO.	DATE	BY	DESCRIPTION
1	02/20/2018	J.A.R.	Initial Design
2	03/05/2018	J.A.R.	Final Design
3	03/05/2018	J.A.R.	Final Design
4	03/05/2018	J.A.R.	Final Design
5	03/05/2018	J.A.R.	Final Design
6	03/05/2018	J.A.R.	Final Design
7	03/05/2018	J.A.R.	Final Design
8	03/05/2018	J.A.R.	Final Design
9	03/05/2018	J.A.R.	Final Design
10	03/05/2018	J.A.R.	Final Design

Design By: J.A.R.

**Detail Sheet**  
**Division Road Subdivision**  
Map 67, Plat 13, Lot 29  
East Greenwich, Rhode Island 02818  
Applicant: **David and Tammy Allaire**  
1967 Division Road  
East Greenwich, Rhode Island 02818

R.I.D.E.M. COPY