

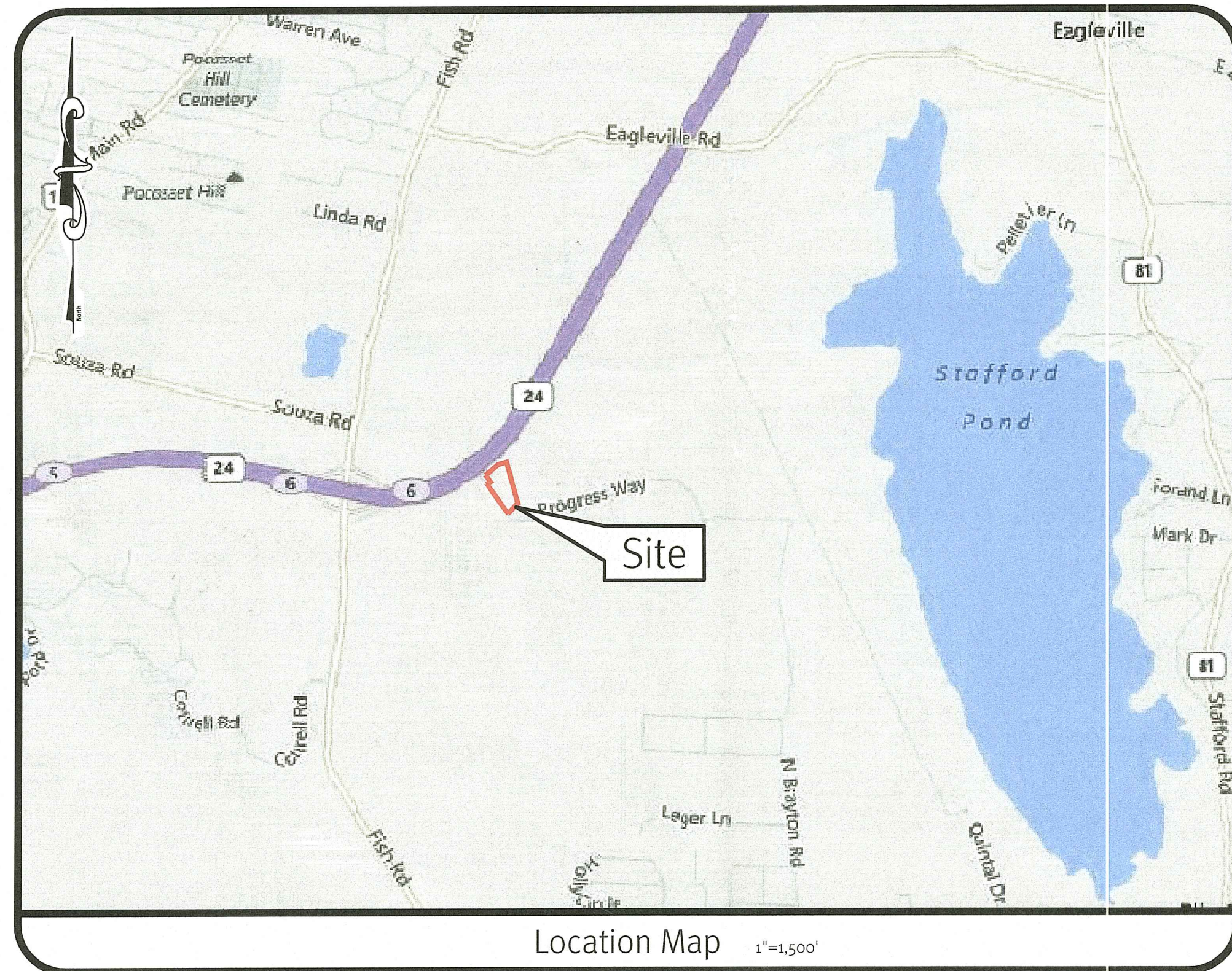
RIDEM Preliminary Determination Submission

Proposed Self Storage Facility

Progress Road

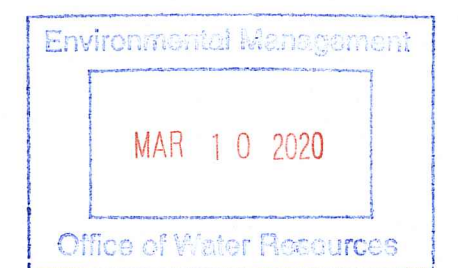
Tiverton, Rhode Island 02878

Assessor's Plat 107, Lot 801



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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 APR 8 2020 FILE # 20-0058
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

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.

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Boston Providence Newport

MOLLY R. TITUS
No. *Molly Titus*
11/19/2020
REGISTERED PROFESSIONAL ENGINEER
CIVIL

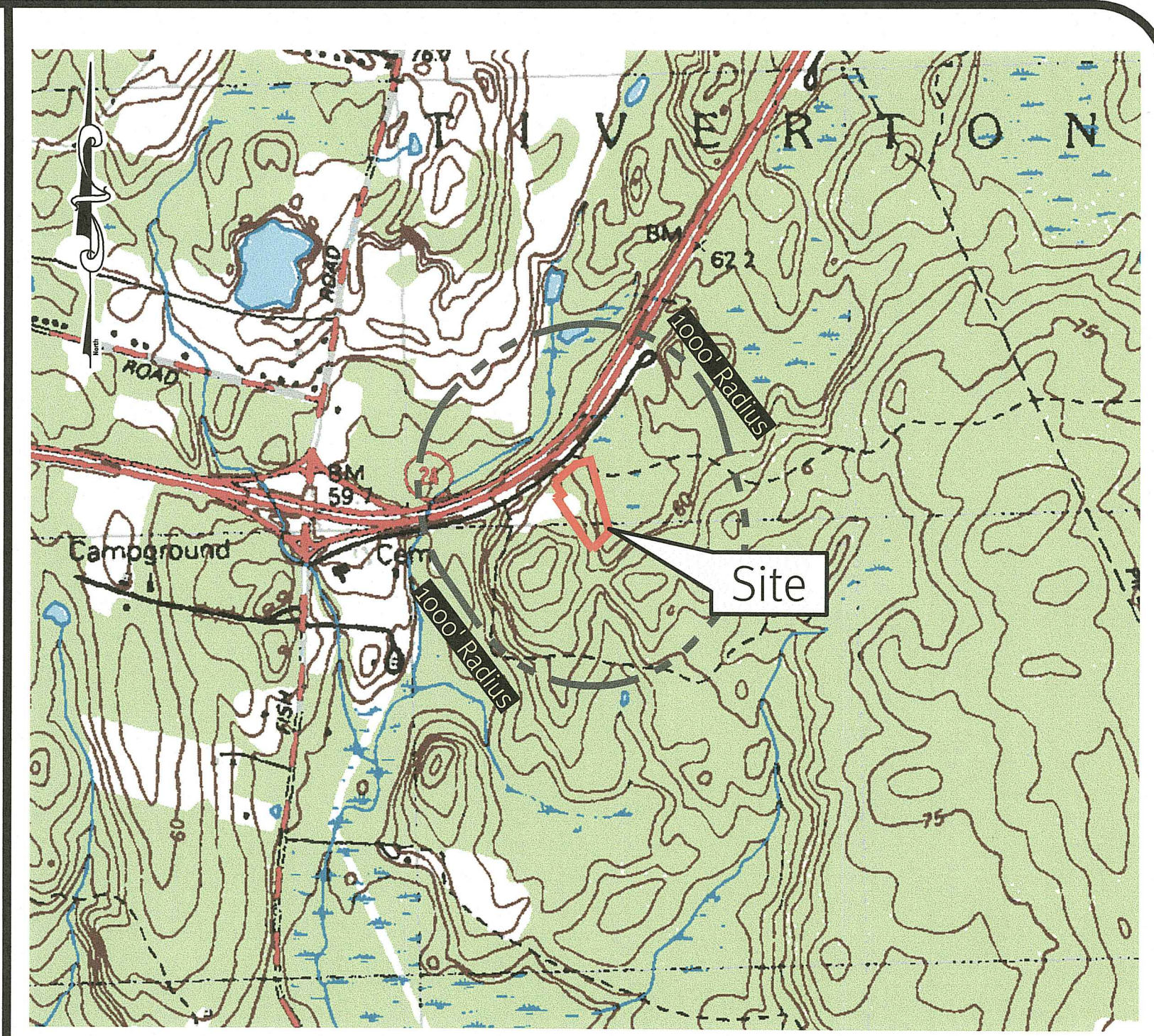
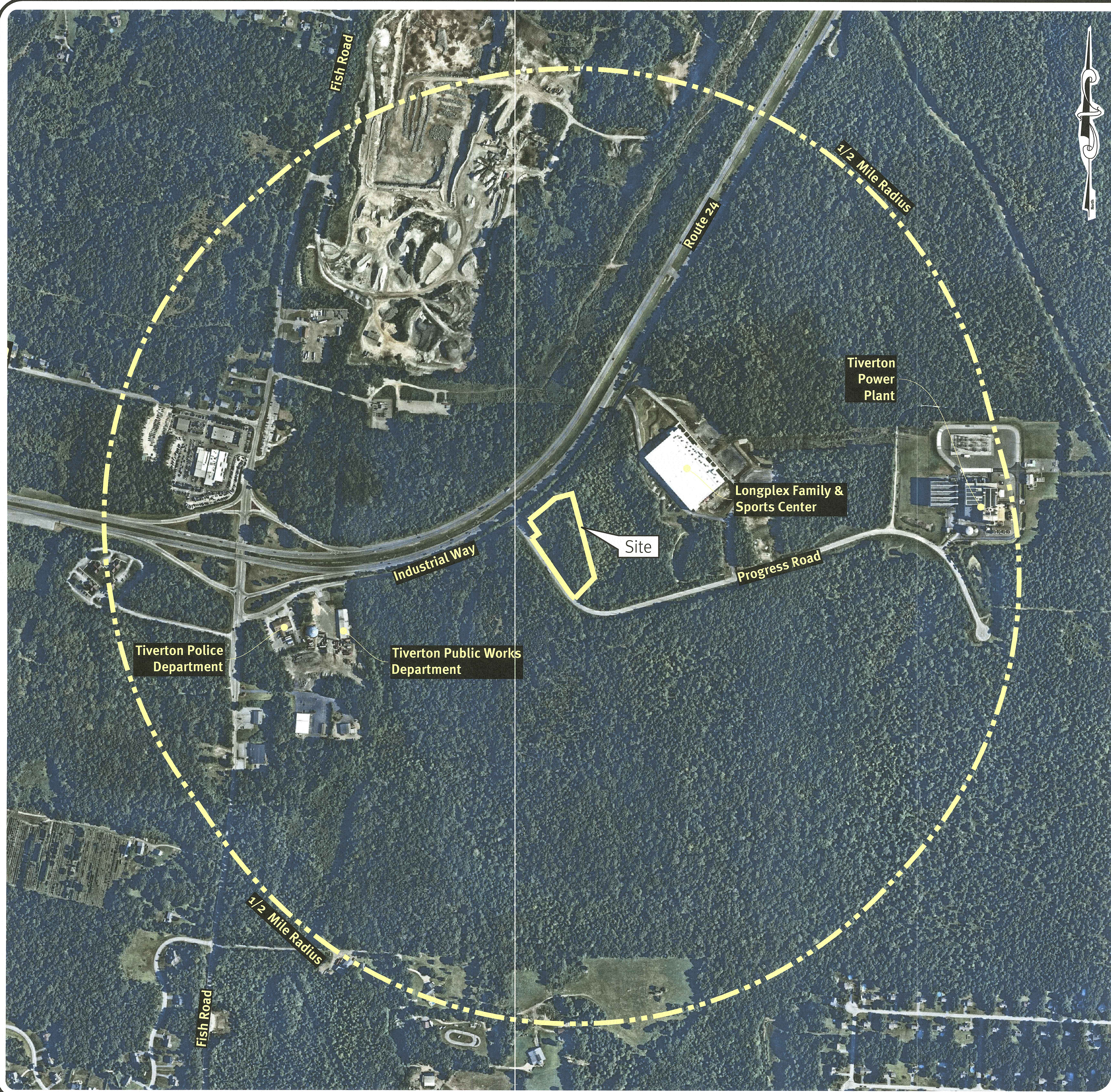
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Existing utilities shown on this plan are approximate only. DiPrete Engineering assumes no responsibility for damages incurred due to other party.

No.	Date	Description	Drawn By: N.M.P.	Design By: N.M.P.
0	2/9/2020	8001 Preliminary Determination Submission		

Cover Sheet
Self Storage Facility
Assessor's Plat 107, Lot 801
Tiverton, Rhode Island 02878
Prepared for
Advantage Development Group, LLC
265 East Jericho Turnpike
South Huntington, NY 11746

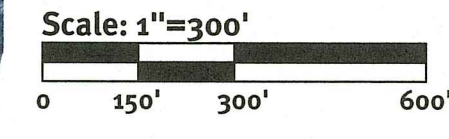
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USGS Map Scale: 1"=1000'

Photo obtained from the Nearmap 2019 Aerials



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
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Environmental Management
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 Office of Water Resources

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 The contractor is responsible for all of the means, methods, safety and construction of the project. DiPrete Engineering is not responsible for the implementation of this plan and design.
 Existing utilities shown on this plan are approximate only. DiPrete Engineering assumes no responsibility for damages incurred due to locations of existing utilities. See Utility Map on sheet 3.

No.	Date	Description	By:
1	2/19/2020	ISSUE FOR PERMIT SUBMISSION	N.M.P.
2			N.M.P.

Drawn By: N.M.P. Design By: N.M.P.

Aerial Half Mile Radius
 Self Storage Facility
 Assessor's Plat 197, Lot 801
 Tiverton, Rhode Island 02878
 Prepared for
Advantage Development Group, LLC
 260 East Jericho Turnpike
 South Huntington, NY 11746

General Notes:

- 1. THE SITE IS LOCATED ON THE TOWN OF TIVERTON, RHODE ISLAND ASSESSOR'S PLAT 107 LOT 801.
2. THE SITE IS APPROXIMATELY 3.3± ACRES AND IS ZONED L.
3. THE OWNER OF AP 107 LOT 801 IS: SOUTHERN RI PROPERTIES, INC. 201 BROAD STREET CUMBERLAND, RI 02864
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0185G, MAP REVISED MARCH 2, 2009. (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.
5. THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS THE RESULTS OF A CLASS I BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY DIPRETE ENGINEERING ASSOCIATES, INC. DATED 10/04/2018. THIS PLAN IS NOT TO BE CONSTRUED AS A CLASS I BOUNDARY RETRACEMENT SURVEY PLAN AND IS NOT SUITABLE FOR RECORDING AS A CLASS I STANDARD SURVEY PLAN.
6. CONTOUR DATA SHOWN ON THIS PLAN CONFORMS TO A T-4 TOPOGRAPHICAL SURVEY STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS; SAID DATA IS BASED ON ELEVATION INFORMATION THAT WAS COLLECTED WITH AIRBORNE LIDAR TECHNOLOGY FOR THE ENTIRE AREA OF RHODE ISLAND BETWEEN APRIL 22 AND MAY 6, 2011 AS PART OF THE NORTHEAST LIDAR PROJECT. THIS DATA'S POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED BY DIPRETE ENGINEERING AND IS SUBJECT TO CHANGES AN AUTHORITY FIELD SURVEY MAY DISCLOSE.
7. ALL WORK PERFORMED HEREIN IS TO BE GOVERNED BY CURRENT EDITIONS OF THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, TOWN OF TIVERTON STANDARD SPECIFICATIONS AND DETAILS AND SPECIFICATIONS INCLUDED AS PART OF THE DRAWINGS. IN AREAS OF CONFLICT BETWEEN THE DIFFERENT SPECIFICATIONS, THE DESIGN PLANS AND PROJECT SPECIFICATIONS WILL TAKE PRECEDENCE OVER THE GENERAL SPECIFICATIONS AND THE DESIGN ENGINEER WILL INTERPRET THE CONSTRUCTION REQUIREMENT. THE CONTRACTOR IS ADVISED TO SUBMIT A REQUEST FOR INFORMATION (RFI) FOR ANY AREAS OF CONFLICT BEFORE COMMITTING TO CONSTRUCTION.
8. THE SITE IS NOT WITHIN A: GROUNDWATER PROTECTION AREA (RIDEM) COMMUNITY WELLHEAD PROTECTION AREA (RIDEM) NATURAL HERITAGE AREAS (RIDEM) GROUND WATER OVERLAY DISTRICT (TOWN) S.A.M.P. AREA (ORMC) NON-COMMUNITY WELLHEAD PROTECTION AREA (RIDEM)
9. THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
• SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
o EROSION CONTROL MEASURES
o SHORT TERM MAINTENANCE
o ESTABLISHMENT OF VEGETATIVE COVER
o CONSTRUCTION POLLUTION PREVENTION
o SEQUENCE OF CONSTRUCTION
• STORMWATER OPERATION AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS:
o LONG TERM MAINTENANCE
o LONG TERM POLLUTION PREVENTION
10. THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X.). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: HTTP://WWW.DOT.RI.GOV/BUSINESS/CONTRACTORSANDCONSULTANTS.PHP.
11. THE SITE IS TO BE SERVICED BY PUBLIC WATER AND PUBLIC SEWER.
12. THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE TOWN OF TIVERTON SUBDIVISION AND LAND USE REGULATIONS WITH THE USE OF CATCH BASINS, ABOVE GROUND PONDS AND UNDERGROUND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RIDEM BEST MANAGEMENT PRACTICES.
13. THE SITE IS PROPOSED TO BE BUILT IN ONE PHASE.
14. SOIL EVALUATIONS, WERE COMPLETED BY DIPRETE ENGINEERING ON AUGUST 21, 2018.
15. ANY PROPRIETARY PRODUCTS REFERENCED IN THIS PLAN SET ARE REPRESENTATIVE OF THE MINIMUM DESIGN REQUIREMENTS FOR THE PURPOSE IT PROPOSES TO SERVE. ALTERNATIVES TO ANY PROPRIETARY PRODUCT MAY BE SUBMITTED TO THE ENGINEER OF RECORD FOR CONSIDERATION, WHICH MUST BE ACCOMPANIED BY APPROPRIATE SPECIFICATION SHEETS/ DESIGN CALCULATIONS THAT DEMONSTRATE THE ALTERNATIVE(S) MEET THE MINIMUM DESIGN PARAMETERS OF THE PRODUCT SHOWN ON THE PLANS. NO ALTERNATIVES MAY BE USED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
16. THIS PLAN SET MAY REFERENCE AND/ OR INCLUDE REPRODUCTIONS OF PROPRIETARY PRODUCTS/ DETAILS BY OTHERS, AND/ OR THEIR ASSOCIATED SPECIFICATIONS. ANY REFERENCED OR REPRODUCED PROPRIETARY PRODUCT OR DETAIL BY OTHERS THAT IS SHOWN ON DIPRETE PLANS IS STRICTLY FOR INFORMATION/ SPECIFICATION PURPOSES ONLY. DIPRETE ENGINEERING DOES NOT WARRANT ANY PROPRIETARY PRODUCTS, DETAILS BY OTHERS OR THEIR RESPECTIVE DESIGNS. IF A DIPRETE ENGINEERING PLAN INCLUDES A PROPRIETARY PRODUCT/ DETAIL BY OTHERS (EITHER EXPLICITLY OR IMPLIED) AND IS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND REGISTERED LANDSCAPE ARCHITECT OF DIPRETE ENGINEERING, SAID STAMP DOES NOT EXTEND TO ANY PORTION OF THE PROPRIETARY PRODUCT/ DETAIL BY OTHERS OR ITS DESIGN.

Soil Information:

Table with 2 columns: REFERENCE, SOIL NAME, DESCRIPTION. Row 1: WEBSOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE (C&C) CANTON AND CHARLTON FINE SANDY LOAMS, VERY ROCKY, 3 TO 15 PERCENT SLOPES. Row 2: UD UDORHTHENS-URBAN LAND COMPLEX

As-Built Notes:

ALL COMPONENTS OF THE DRAINAGE, SEWER, AND WATER SYSTEMS MUST BE ASBUILT PRIOR TO COVERING. ENGINEER TO BE NOTIFIED PRIOR TO COVERING TO SURVEY ASBUILT LOCATIONS. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.

Soil Erosion and Sedimentation Control Notes:

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

Demolition Notes:

- 1. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, PLANS OF RECORD, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFORESAID SOURCES AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS MUST BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES MUST BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233 72 HOURS PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE ARE THE SITE CONTRACTORS RESPONSIBILITY.
2. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR TO PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCE DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE SEDIMENTS ON EXTERNAL STREETS.
4. ANY EXISTING BUILDING(S) AND PROPERTY PROPOSED TO REMAIN WHICH ARE DAMAGED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) ALL MATERIALS INDICATED ON THE PLANS UNLESS SPECIFIED OTHERWISE HERE IN. R&D MATERIALS MUST INCLUDE BUT ARE NOT LIMITED TO PAVEMENT, GRAVEL, CATCH BASINS, MANHOLES, GRATES/FRAMES/COVERS, AND ANY EXCESS SOIL THAT IS NOT INCORPORATED INTO THE WORK.
6. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, ALL DISTURBED AREAS INCLUDING THE CONTRACTOR'S STOCKPILE AND STAGING AREAS WITHIN THE LIMIT OF WORK MUST BE RESTORED TO MATCH THE DESIGN PLANS.
7. CONTRACTOR MUST DOCUMENT LOCATION OF ALL SUBSURFACE UTILITIES REMAINING IN PLACE AFTER DEMOLITION (ACTIVE AND INACTIVE/ABANDONED). LOCATION MUST BE DOCUMENTED BY FIELD SURVEY OR SWING TIES. COPIES OF LOCATION DOCUMENTATION MUST BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF DEMOLITION AND PRIOR TO START OF NEW CONSTRUCTION. A MARKER MUST BE INSTALLED TO FINISH GRADE AT ALL INSTALLED CAPS/PLUGS. THE MARKER CAN BE A POST IN CONSTRUCTION AREAS OR PAINTED ON A PERMANENT SURFACE.

Traffic Notes:

- 1. ALL TRAFFIC CONTROL MUST CONFORM TO THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
2. DURING CONSTRUCTION, TRAFFIC CONES ARE TO BE USED FOR SEPARATION OF ACTIVE TRAFFIC FROM WORK ZONE PER MUTCD REQUIREMENTS.
3. DURING CONSTRUCTION FLAGGERS MUST BE EMPLOYED TO ENSURE SAFETY FOR INTERACTION OF CONSTRUCTION VEHICLES AND ACTIVE TRAFFIC.
4. ALL SIGNS, FLAGGERS, TRAFFIC CONTROL DEVICES, AND TEMPORARY TRAFFIC ZONE ACTIVITIES MUST MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC (MUTCD) LATEST EDITION AND SUBSEQUENT ADDENDA.
5. TEMPORARY CONSTRUCTION SIGNS MUST BE MOUNTED ON RIDOT APPROVED SUPPORTS AND MUST BE REMOVED OR COVERED WHEN NOT APPLICABLE.

Layout and Materials:

- 1. DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
2. CURBING TO BE BITUMINOUS BERM OR AS LABELED ON THE PLANS.
3. SIDEWALK TO BE CONCRETE OR AS LABELED ON THE PLANS.
4. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR MUST REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
5. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
6. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION MUST BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
7. CONTRACTOR MUST NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS. CONTRACTOR MUST VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE STAMPED PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
8. ALL GUARDRAIL ON SITE MUST BE STEEL BACKED TIMBER GUARDRAIL WITH STEEL POSTS, IN CONFORMANCE WITH SECTION 5.4.1.10 OF THE AASHTO ROADSIDE DESIGN GUIDE. ALTERNATIVE GUARDRAILS WILL BE CONSIDERED BY THE DESIGN ENGINEER IF THEY ARE DOT AND ACCEPTABLE TO THE OWNER. ALTERNATIVES MUST BE APPROVED IN WRITING BY THE OWNER AND DESIGN ENGINEER PRIOR TO CONSTRUCTION.

Grading and Utility Notes:

- 1. CONSTRUCTION TO COMMENCE SPRING 2020 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
2. THE CONTRACTOR MUST COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS MUST BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
3. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE BUILDING TO ENSURE SURFACE WATER AND/OR GROUNDWATER ARE DIRECTED AWAY FROM THE STRUCTURE.
4. PRIOR TO START OF CONSTRUCTION, CONTRACTOR MUST VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES. CONTRACTOR MUST NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SITE AND BUILDINGS TO BE COORDINATED WITH OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
6. ALL RETAINING WALLS AND STEEP SLOPES ARE SUBJECT TO FINAL STRUCTURAL DESIGN. DIPRETE ENGINEERING IS NOT PROVIDING THE STRUCTURAL DESIGN OF THESE ITEMS. ALL WALLS AND STEEP SLOPES ARE TO BE DESIGNED AND BUILT UNDER THE DIRECTION OF A PROFESSIONAL GEOTECHNICAL ENGINEER AND CERTIFIED TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT. SHOP DRAWINGS TO BE SUBMITTED PRIOR TO CONSTRUCTION. FINAL STRUCTURAL DESIGN MUST INCORPORATE THE INTENT OF THE GRADING SHOWN ON THESE PLANS AND ALL WORK MUST BE WITHIN THE LIMIT OF DISTURBANCE SHOWN ON THE PLANS.
7. ALL CUT AND FILL AREAS ARE TO BE DONE UNDER THE DIRECTION OF A PROFESSIONAL GEOTECHNICAL ENGINEER WITH TESTING AND CERTIFICATION TO BE PROVIDED TO THE APPLICANT AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
8. NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
9. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
10. ALL EXCESS SOIL, TREES, ROCKS, BOLLARDS, AND OTHER REFUSE, MUST BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS MUST BE GROUND ON SITE OR REMOVED.
11. THE SITE WILL HAVE BITUMINOUS BERMS. SITE GRADING/CONTOURS SHOWN ON THE PLANS DO NOT NECESSARILY REFLECT THE APPROPRIATE BERM REVEAL. CONTRACTOR TO INSTALL BERMS WITH APPROPRIATE REVEAL UNLESS OTHERWISE NOTED.
12. NO STUMP DUMPS ARE PROPOSED ON SITE.

DRAINAGE

ALL DRAINAGE PIPING TO BE HIGH-DENSITY POLYETHYLENE (HDPE) WITH WATERTIGHT JOINTS WHERE INSTALLED WITHIN THE SEASONAL HIGH GROUNDWATER, UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. ALL STORMWATER PIPE WITHIN THE STATE'S RIGHT OF WAY TO BE REINFORCED CONCRETE PIPE (RCP) PIPE.

- DRAINAGE STRUCTURES TO BE AS FOLLOWS (UNLESS OTHERWISE NOTED ON PLANS):
• CATCH BASINS NOT ALONG CURBING TO BE RIDOT STD 4.4.0, 4' DIAMETER
• CATCH BASINS TO HAVE 3' SUMPS WITHOUT WEEPHOLES.
• SINGLE FRAME CATCHBASIN GRATES TO BE RIDOT STD. 6.3.2
• DOUBLE FRAME CATCHBASIN GRATES TO BE RIDOT STD. 6.3.2
• HIGH CAPACITY CATCHBASIN GRATES TO BE RIDOT STD 6.3.4 AND INSTALLED ANYWHERE GRADES ARE 6% AND STEEPER
• MANHOLES TO BE RIDOT STD. 4.2.0, 4.2.1 OR 4.2.2 AS REQUIRED
• DRAINAGE MANHOLE COVERS TO BE RIDOT STD 6.2.1

ALL DRAINAGE STRUCTURES MUST BE WATERTIGHT.

DRAINAGE CONNECTIONS FROM ALL YARD DRAINS (YD), AREA DRAINS (AD), TRENCH DRAINS (TD), FRENCH DRAINS (FD), WALL DRAINS (WD), AND DOWNSPOUTS (DS) ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. THE LEVEL OF DETAIL SHOWN DOES NOT INCLUDE ALL JOINTS THAT MAY BE REQUIRED FOR CONSTRUCTION. ALL FITTINGS & PIPE SLOPES TO TIE INTO MAIN TRUNK LINE TO BE FIELD FIT BY CONTRACTOR.

SANITARY SEWER

ALL SANITARY SEWER PIPING TO BE SDR 35 UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. ALL SEWER IMPROVEMENTS MUST COMPLY WITH THE TIVERTON WASTEWATER DISTRICT RULES AND REGULATIONS AND ANY APPLICABLE AUTHORITY HAVING JURISDICTION, INCLUDING (BUT NOT LIMITED TO) MATERIALS, DIMENSIONS AND ACCESS COVERS. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL BY ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

WATER

ALL WATER MAINS TO BE CONCRETE LINED DUCTILE IRON PIPE (CLDIP). ALL WATER MAIN IMPROVEMENTS MUST COMPLY WITH THE NORTH TIVERTON FIRE DISTRICT REGULATIONS AND ANY APPLICABLE AUTHORITY HAVING JURISDICTION, INCLUDING (BUT NOT LIMITED TO) MATERIALS, DIMENSIONS AND ACCESS COVERS. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND SUBMITTALS TO THE ENGINEER OF RECORD FOR APPROVAL FOR ALL WATER IMPROVEMENTS AND APPURTENANCES INCLUDING BUT NOT LIMITED TO PIPES, VALVES, FITTINGS, HEAT ENCLOSURES, AND BACKFLOWS. ALL COMPONENTS OF THE WATER SYSTEM TO BE ASBUILT PER NORTH TIVERTON FIRE DISTRICT REQUIREMENTS. ALL COMPONENTS OF THE WATER SYSTEM TO BE INSPECTED BY NORTH TIVERTON FIRE DISTRICT. CONTRACTOR TO COORDINATE ALL IMPROVEMENTS WITH NORTH TIVERTON FIRE DISTRICT TO ENSURE INSPECTOR IS ON SITE.

IN THE CASE OF ANY NEW HYDRANT INSTALLED IN OR NEXT TO AN EXISTING SIDEWALK, THE CONTRACTOR MUST INCREASE THE WIDTH OF THE SIDEWALK, AS NECESSARY, TO MAINTAIN A MINIMUM OF 3'-0" CLEAR WIDTH FROM THE OUTERMOST COMPONENTS OF THE HYDRANT TO THE EDGE OF THE SIDEWALK. THE 3'-0" SIDEWALK WIDTH IS REQUIRED ONLY ON ONE SIDE OF THE HYDRANT TO PROVIDE A CLEAR PATH ON THE SIDEWALK.

ELECTRIC/TELECOM/GAS

PROPOSED GAS, ELECTRIC, CABLE AND DATA UTILITIES ARE SHOWN SCHEMATICALLY AND ARE PROPOSED TO BE UNDERGROUND. OWNER & CONTRACTOR TO COORDINATE FINAL DESIGN WITH APPROPRIATE UTILITY COMPANIES. ALL WORK TO BE IN ACCORDANCE WITH EACH UTILITY COMPANY'S STANDARDS AND DETAILS AS WELL AS LOCAL AND FEDERAL REGULATIONS. THIS INCLUDES BUT IS NOT LIMITED TO, POLES, TRANSFORMERS, PULL BOXES, CONCRETE PADS, CONCRETE ENCASEMENTS AND CONDUITS. CONNECTION POINTS FOR ELECTRIC AND TELECOM UTILITIES, AT THE EXISTING INFRASTRUCTURE, ARE CURRENTLY SHOWN AS UNDERGROUND UTILITIES. THESE UTILITIES MAY BE UNDERGROUND OR OVERHEAD AND WILL BE COORDINATED WITH NATIONAL GRID PRIOR TO CONSTRUCTION.

SITE LIGHTING

SITE LIGHTING (TEMPORARY AND PERMANENT) MUST BE DIRECTED AWAY FROM AND SHIELDED FROM ENVIRONMENTALLY SENSITIVE AREAS AND ADJUTING LANDS. EXACT LOCATIONS OF LIGHT POLE TO BE COORDINATED WITH OTHER UTILITIES AND TO BE LOCATED WITHIN THE STREET RIGHTS OF WAY. FINAL LIGHTING AND CONDUIT LOCATIONS BY OTHERS.

Abbreviations Legend

Table with 2 columns: Abbreviation, Description. Includes ADA AMERICANS WITH DISABILITY ACT, AHJ AUTHORITY HAVING JURISDICTION, AP ASSESSOR'S PLAT, BC BOTTOM OF CURB, BT BOTTOM OF TESTHOLE, BIT BITUMINOUS (BERM), BIO BIORETENTION, BS BASEMENT SLAB ELEVATION, BW FINISHED GRADE AT BOTTOM OF WALL, CB CATCH BASIN, (C) CALCULATED, C CENTERLINE, (CA) CHORD ANGLE, CLDIP CONCRETE LINED DUCTILE IRON PIPE, CO CLEAN OUT, CONC CONCRETE, (D) DEED, DCB DOUBLE CATCH BASIN, DI DROP INLET, DMH DRAINAGE MANHOLE, DP DETENTION POND, ELEV ELEVATION, EOP EDGE OF PAVEMENT, ESC EROSION AND SEDIMENT CONTROL, EX EXISTING, FES FLARED END SECTION, FFE FINISH FLOOR ELEVATION, GS GARAGE SLAB ELEVATION, GWT GROUND WATER TABLE, HW HEADWALL, HC HIGH CAPACITY CATCH BASIN GRATE, HOPE HIGH DENSITY POLYETHYLENE, ID INLINE DRAIN, INV INVERT, IP INFILTRATION POND, LF LINEAR FEET, LOD LIMIT OF DISTURBANCE, LP LIGHT POLE, (M) MEASURED, N/F NOW OR FORMERLY, OHW OVERHEAD WIRE, PE POLYETHYLENE, P PROPERTY LINE, PR PROPOSED, PVC POLYVINYL CHLORIDE, R RADIUS, R&D REMOVE AND DISPOSE, RCP REINFORCED CONCRETE PIPE, RHOB RHODE ISLAND, RHQ HIGHWAY BOUND, RL ROOF LEADER, ROW RIGHT OF WAY, S SLOPE, SD SUBDRAIN, SED SEDIMENT FOREBAY, SF SQUARE FOOT, SFL STATE FREEWAY LINE, SFG SEWER FORCE MAIN, SGM SLAB ON GRADE ELEVATION, SHL STATE HIGHWAY LINE, SMH SEWER MANHOLE, SNDF SAND FILTER, SS SIDE SLOPE, STA STATION, TC TOP OF CURB, TD TRENCH DRAIN, TF TOP OF FOUNDATION, TR TRANSITION, TW TOP OF WALL (FINISHED), GRADE AT TOP OF WALL), TYP TYPICAL, UDS UNDERGROUND, DETENTION SYSTEM, UIS UNDERGROUND, INFILTRATION SYSTEM, UP UTILITY POLE, WO WALKOUT ELEVATION, WQ WATER QUALITY

Americans with Disabilities Act Notes:

- 1. ALL IMPROVEMENTS MUST COMPLY WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)" BY THE DEPARTMENT OF JUSTICE (CURRENT EDITION).
2. MAXIMUM RUNNING SLOPE ALONG ALL ACCESSIBLE PATHS OF TRAVEL MUST BE 4.5% (0.045 FT/FT), AND MAXIMUM CROSS SLOPE ACROSS ALL ACCESSIBLE PATHS OF TRAVEL MUST BE 1.5% (0.015 FT/FT).
3. ADA PARKING SPACES AND LOADING AREAS: THE STEEPEST SLOPE OF THE SPACE, MEASURED IN ANY DIRECTION (INCLUDING DIAGONAL), MUST BE LESS THAN OR EQUAL TO 2% (0.02 FT/FT). DIPRETE ENGINEERING GENERALLY RECOMMENDS A MAXIMUM OF 1.4% (0.014 FT/FT) BE USED FOR BOTH RUNNING AND CROSS SLOPES IN ORDER TO COMPLY.
4. A MINIMUM 5'x5' LANDING MUST BE PROVIDED IN FRONT OF ALL PUBLICLY ACCESSIBLE BUILDING ENTRANCES/ EGRESSES. THE STEEPEST SLOPE OF THE LANDING, MEASURED IN ANY DIRECTION (INCLUDING DIAGONAL), MUST BE LESS THAN OR EQUAL TO 2% (0.02 FT/FT). DIPRETE ENGINEERING GENERALLY RECOMMENDS A MAXIMUM OF 1.4% (0.014 FT/FT) BE USED FOR BOTH RUNNING AND CROSS SLOPES IN ORDER TO COMPLY.
5. FOR EVERY 6 (OR FRACTION OF 6) ADA PARKING SPACES, AT LEAST ONE MUST BE A VAN PARKING SPACE. FOR EXAMPLE, IF 7 ADA PARKING SPACES ARE REQUIRED, A MINIMUM OF 2 MUST BE VAN SPACES.
6. NOTWITHSTANDING THE NOTES LISTED ABOVE, TOWN OR STATE-SPECIFIC STANDARDS MAY BE MORE STRINGENT AND OVERRULE. IT IS THE RESPONSIBILITY OF THE USER OF THIS PLAN SET TO MAINTAIN COMPLIANCE WITH THE CONTROLLING STANDARD.
7. NOTE THAT THE GRADING/ PLAN VIEWS AND DETAILS CONTAINED WITHIN THIS PLAN SET MAY NOT SHOW THE DETAIL NECESSARY TO CONSTRUCT WALKWAYS, RAMPS AND SPACES TO COMPLY WITH THE ABOVE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LEVEL OF CARE NECESSARY TO BE CERTAIN THAT THE CONSTRUCTED PRODUCT MEETS ADA/ CONTROLLING STANDARDS. IN THE EVENT OF ANY NON COMPLIANCE THE CONTRACTOR MUST NOTIFY THE DESIGNER BEFORE CONSTRUCTION FOR ADVICE IN FINDING A RESOLUTION.

Site Callouts Legend

Table with 2 columns: Callout, Description. Includes 4W 4" PAINTED WHITE MARKINGS, 4W45 4" WHITE STRIPING 2' ON CENTER AT 45°, ADAS ADA SPACE PAVEMENT MARKINGS MUST COMPLY WITH ALL ADA AND MUTCD REGULATIONS AND REQUIREMENTS, 12W STOP LINE (REFERENCE MUTCD SECTION 3B.16), 7.2.4 PRECAST CONCRETE CURB STOPS, 8.4.0 PAVED WATERWAY

UIC Notes:

PROPOSED UNDERGROUND DRAINAGE SYSTEM MEETS ALL THE FOLLOWING UIC MINIMUM SETBACK REQUIREMENTS:

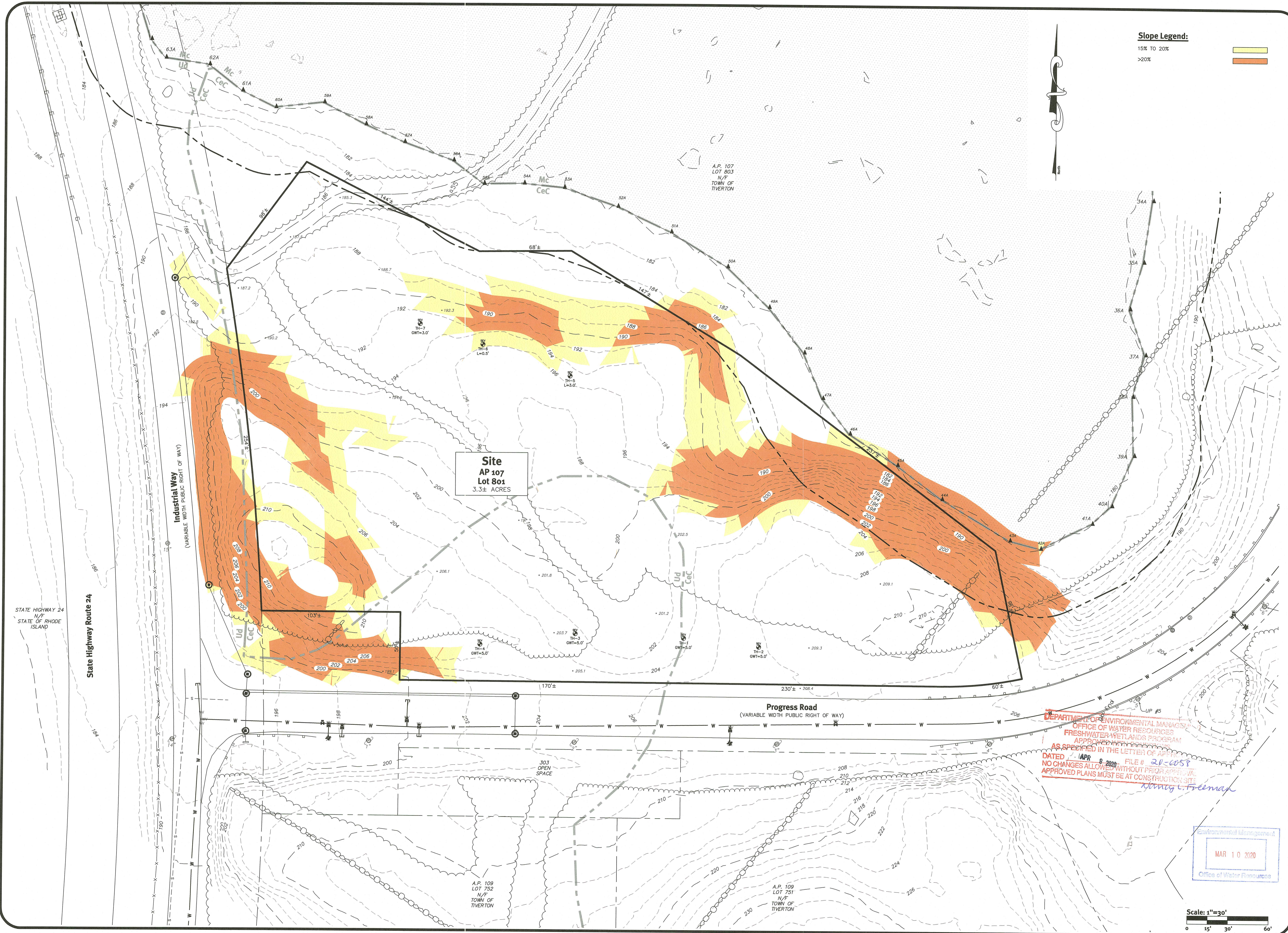
- 1. 400 FEET FROM ALL PUBLIC WATER WELLS (SAND & GRAVEL)
2. 200 FEET FROM ALL PUBLIC WATER WELLS (BEDROCK)
3. 200 FEET FROM ALL SURFACE DRINKING WATER SUPPLY IMPOUNDMENTS
4. 100 FEET FROM ALL PRIVATE DRINKING WATER WELLS
5. 100 FEET FROM ALL OTHER SURFACE WATERS
6. 25 FEET FROM ALL OWTS & OTHER GROUNDWATER DISCHARGE SYSTEMS
7. 25 FEET FROM ALL BUILDING(S) FOUNDATIONS IF SYSTEM IS ABOVE SLAB ELEVATION, 10 FEET FROM ALL BUILDING(S) IF SYSTEM IS BELOW SLAB ELEVATION
8. 10 FEET FROM ALL PROPERTY LINES
9. 10 FEET FROM ALL BUILDING FOOTINGS

Existing Legend

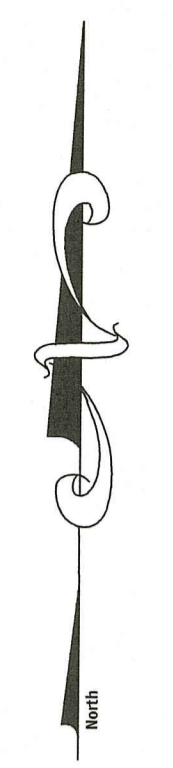
Table with 2 columns: Symbol, Description. Includes PROPERTY LINE, ASSESSORS LINE, BUILDING, BRUSHLINE, TREE LINE, GUARDRAIL, FENCE, RETAINING WALL, STONE WALL, MINOR CONTOUR LINE, MAJOR CONTOUR LINE, WATER LINE, SEWER LINE, GAS LINE, ELECTRIC LINE, OVERHEAD WIRES, DRAINAGE LINE, SOILS LINES, 50' PERIMETER WETLAND, 100' RIVERBANK WETLAND, 200' RIVERBANK WETLAND, FEMA BOUNDARY, GRADE AT TOP OF WALL), STREAM, WETLAND LINE & FLAG, STATE HIGHWAY LINE, STATE FREEWAY LINE

Proposed Legend

Table with 2 columns: Symbol, Description. Includes PROPERTY LINE, BUILDING SETBACKS, CHAINLINK FENCE, GUARDRAIL SEE LAYOUT AND MATERIALS NOTE 8, RETAINING WALL, MINOR CONTOUR LINE, MAJOR CONTOUR LINE, SPOT ELEVATION, EDGE OF PAVEMENT, BITUMINOUS BERM, CONCRETE CURB (RIDOT STD 7.1.0), BUILDING FOOTPRINT, BUILDING OVERHANG, ASPHALT PAVEMENT, HEAVY DUTY ASPHALT PAVEMENT, HEAVY DUTY CONCRETE, CONCRETE, ASPHALT SIDEWALK, SAWCUT LINE, SIGN (RIDOT STD 24.6.2 AS APPLICABLE), SINGLE LIGHT, DOUBLE LIGHT, OVERHANGING LIGHT, ACCESSIBLE PARKING SPACE SYMBOLS, BUILDING INGRESS/EGRESS, ROOF LEADER, TRENCH DRAIN, PERFORATED SUBDRAIN, SWALE, SEWER FORCE MAIN, GAS LINE, WATER LINE, HYDRANT ASSEMBLY, WATER SHUT OFF, WATER VALVE, THRUST BLOCK, SEWER LINE, OVERHEAD WIRE, ELECTRIC, TELEPHONE, CABLE LINE, LIMIT OF DISTURBANCE/ LIMIT OF CLEARING, SEDIMENTATION BARRIER, SILT FENCE (RIDOT STD 9.2.0), COMPOST SOCK OR APPROVED EQUAL, SLOPES STEEPER THAN 3:1 (2:1 OR 1:1 SLOPES), UNDERGROUND INFILTRATION OUTLINE, POND ACCESS, RIPRAP, SAND FILTER, BIO 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INFILTRATION OUTLINE, POND ACCESS, RIPRAP, SAND FILTER, BIO RETENTION, CATCH BASIN, DOUBLE CATCH BASIN, MANHOLE, FLARED END SECTION, HEADWALL, ELECTRIC TELEPHONE



Slope Legend:
 15% TO 20%
 >20%



Site AP 107 Lot 801
 3.3± ACRES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED FOR CONSTRUCTION
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED APR 9 2020 FILE # 20-0058
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
 MAR 10 2020
 Office of Water Resources

Scale: 1"=30'
 0 15' 30' 60'

MOLLY R. TITUS
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

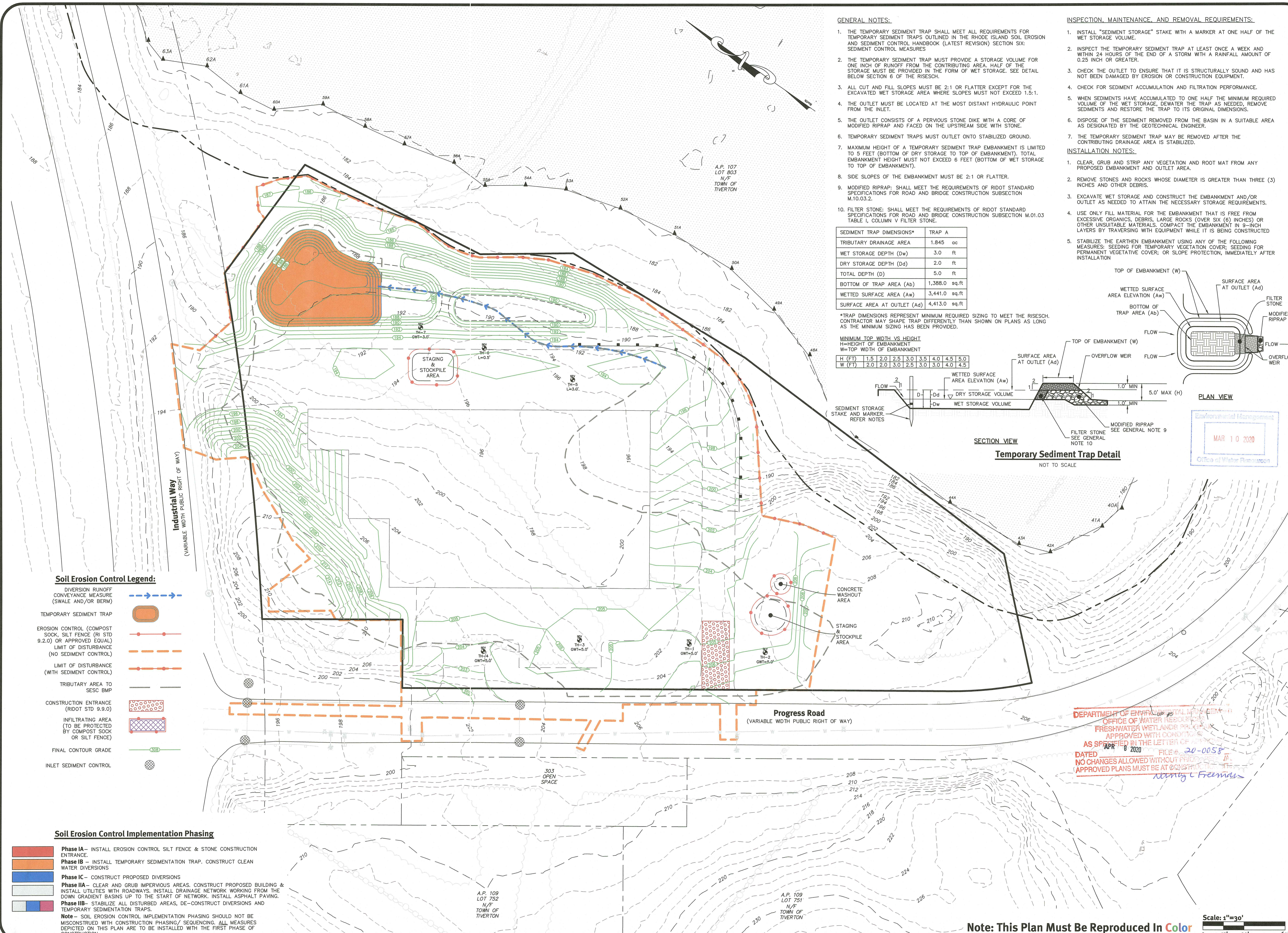
This plan was prepared by the contractor for the purposes of the project and is not to be used for any other purpose without the written consent of the contractor. The contractor is responsible for all of the mass, methods, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design. Existing utilities shown on this plan are approximate only. Diprete Engineering assumes no responsibility for damages incurred due to errors or omissions. See Utility Notes on sheet 3.

No.	Date	Description	Drawn By: N.M.P.	Design By: N.M.P.
0	2/29/2020	2018 Preliminary Construction Submission		

Existing Analysis Plan
Self Storage Facility
 Assessor's Plat: 107, Lot 801
 Tiverton, Rhode Island 02878
 Prepared for
Advantage Development Group, LLC
 266 East Jericho Turnpike
 South Huntington, NY 11746
 DE Job No.: 1895-001-001 Copyright 2020 by Diprete Engineering Associates, Inc.

Diprete Engineering
 90 Broadway Newport, RI 02840
 tel 401-639-5890 fax 401-646-6006 www.diprete-eng.com
 Boston • Providence • Newport

z:\demain\projects\1895-001-001-progress road self storage - tiverton\autoCAD drawings\1895-001-001-plan.dwg Plotdate: 2/19/2020



GENERAL NOTES:

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

SEDIMENT TRAP DIMENSIONS*	TRAP A
TRIBUTARY DRAINAGE AREA	1,845 ac
WET STORAGE DEPTH (Dw)	3.0 ft
DRY STORAGE DEPTH (Dd)	2.0 ft
TOTAL DEPTH (D)	5.0 ft
BOTTOM OF TRAP AREA (Ab)	1,388.0 sq.ft
WETTED SURFACE AREA (Aw)	3,441.0 sq.ft
SURFACE AREA AT OUTLET (Ad)	4,413.0 sq.ft

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

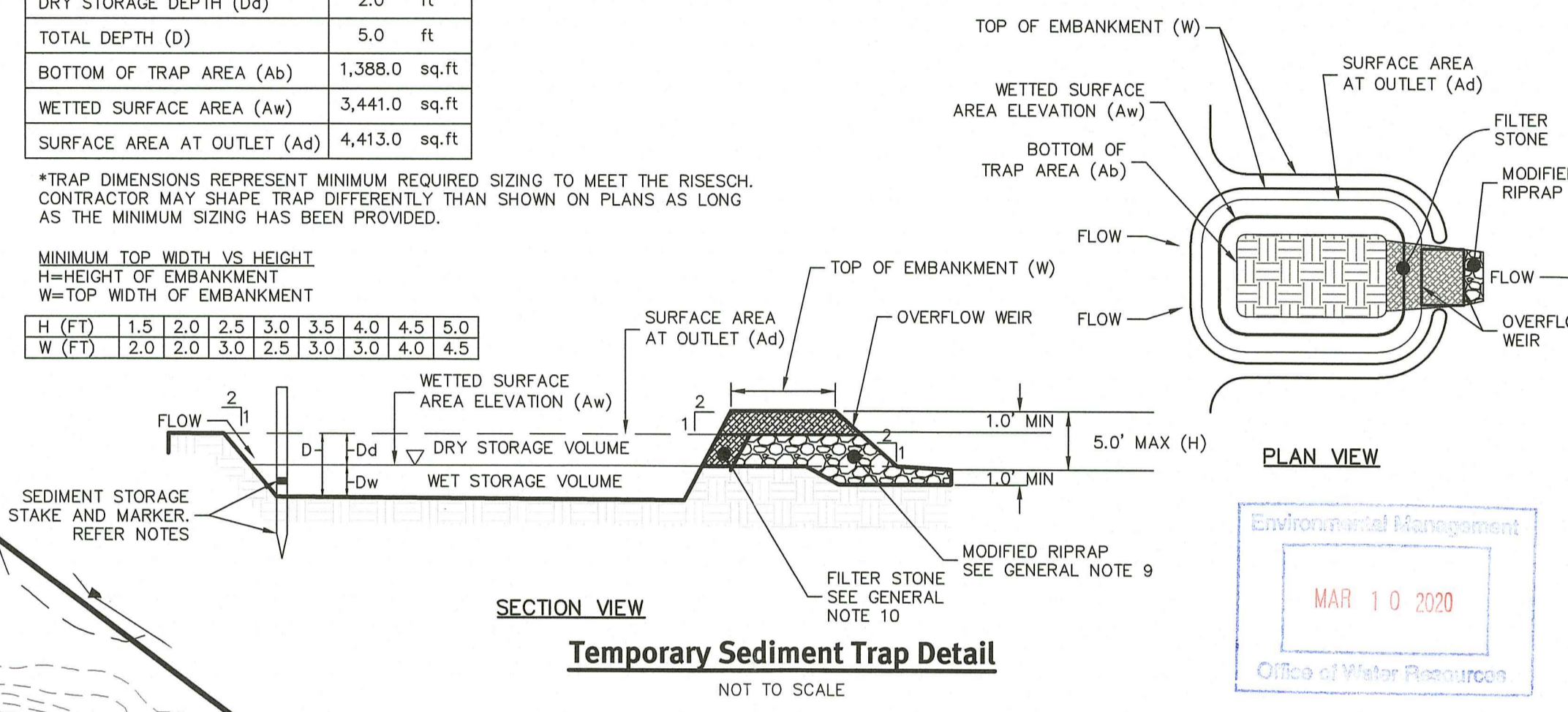
MINIMUM TOP WIDTH VS. HEIGHT								
H=HEIGHT OF EMBANKMENT								
W=TOP WIDTH OF EMBANKMENT								
H (FT)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
W (FT)	2.0	2.0	3.0	2.5	3.0	3.0	4.0	4.5

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

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

INSTALLATION NOTES:

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER SIX (6) INCHES) OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 9-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES: SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION.



Soil Erosion Control Legend:

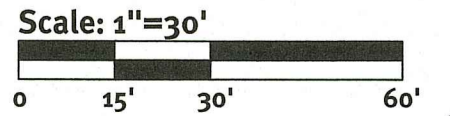
- DIVERSION RUNOFF CONVEYANCE MEASURE (SWALE AND/OR BERM)
- TEMPORARY SEDIMENT TRAP
- EROSION CONTROL (COMPOST SOCK, SILT FENCE (RI STD 9.2.0) OR APPROVED EQUAL)
- LIMIT OF DISTURBANCE (NO SEDIMENT CONTROL)
- LIMIT OF DISTURBANCE (WITH SEDIMENT CONTROL)
- TRIBUTARY AREA TO SESC BMP
- CONSTRUCTION ENTRANCE (RIDOT STD 9.9.0)
- INFILTRATING AREA (TO BE PROTECTED BY COMPOST SOCK OR SILT FENCE)
- FINAL CONTOUR GRADE
- INLET SEDIMENT CONTROL

Soil Erosion Control Implementation Phasing

- Phase IA** - INSTALL EROSION CONTROL SILT FENCE & STONE CONSTRUCTION ENTRANCE.
 - Phase IB** - INSTALL TEMPORARY SEDIMENTATION TRAP. CONSTRUCT CLEAN WATER DIVERSIONS
 - Phase IC** - CONSTRUCT PROPOSED DIVERSIONS
 - Phase IIA** - CLEAR AND GRUB IMPERVIOUS AREAS. CONSTRUCT PROPOSED BUILDING & INSTALL UTILITIES WITH ROADWAYS. INSTALL DRAINAGE NETWORK WORKING FROM THE DOWN GRADIENT BASINS UP TO THE START OF NETWORK. INSTALL ASPHALT PAVING.
 - Phase IIB** - STABILIZE ALL DISTURBED AREAS, DE-CONSTRUCT DIVERSIONS AND TEMPORARY SEDIMENTATION TRAPS.
- Note** - SOIL EROSION CONTROL IMPLEMENTATION PHASING SHOULD NOT BE MISCONSTRUED WITH CONSTRUCTION PHASING/ SEQUENCING. ALL MEASURES DEPICTED ON THIS PLAN ARE TO BE INSTALLED WITH THE FIRST PHASE OF CONSTRUCTION.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 3/10/2020 FILE # 20-0058
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
(APPROVED PLANS MUST BE AT 60% SCALE)

Note: This Plan Must Be Reproduced In Color



Diprete Engineering
90 Broadway Newport, RI 02840
tel: 401-619-5890 fax: 401-641-6006 www.diprete-eng.com
Boston • Providence • Newport

MOLLY R. TITUS
No. [Signature]
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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No.	Date	Description	Drawn By	N.M.P.
0	2/9/2020	RIPRAP/Permanent/Aggregates/Storage		
1	2/9/2020			

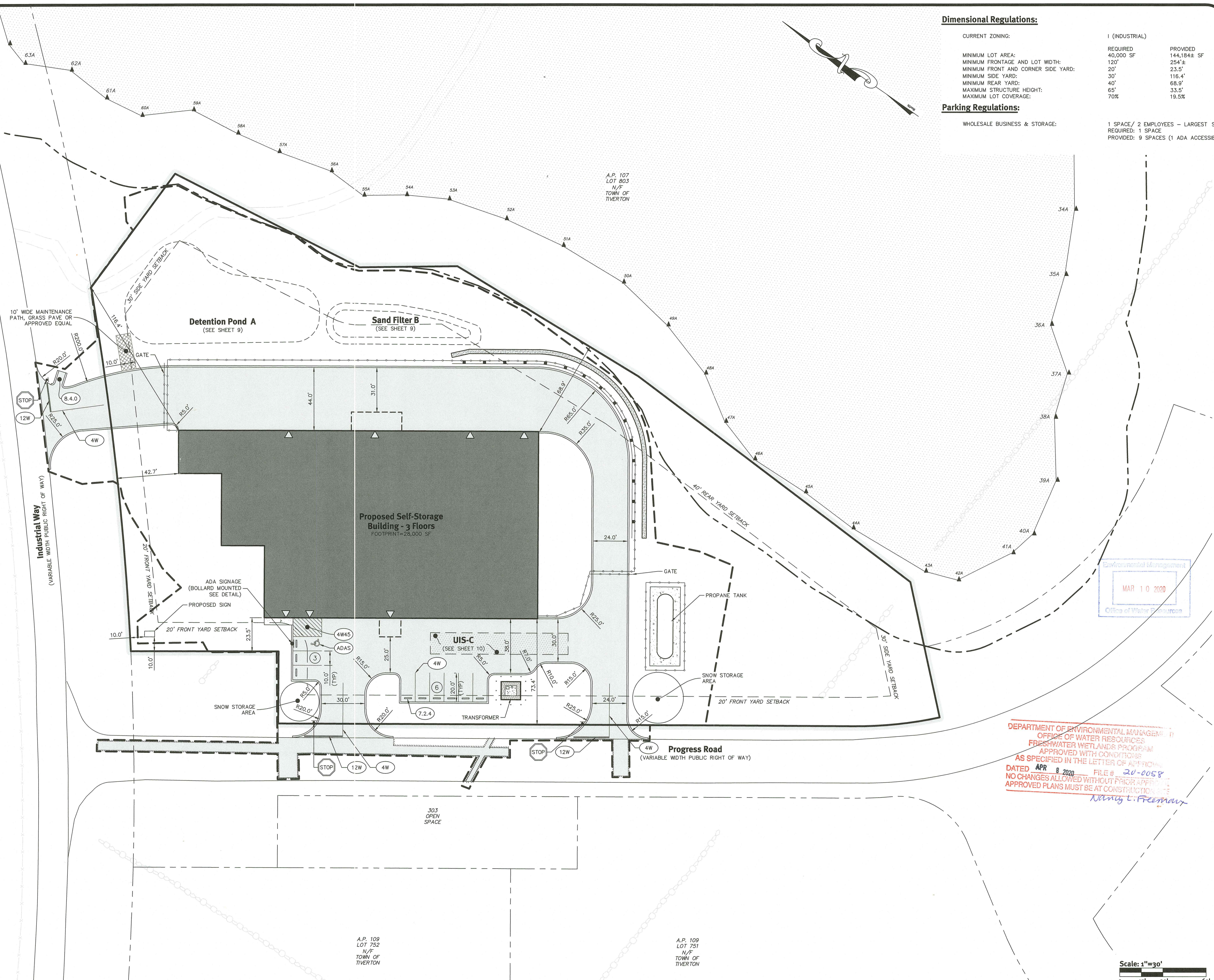
Soil Erosion & Sediment Control Plan
Self Storage Facility
Assessor's Plat 107, Lot 801
Tiverton, Rhode Island 02876
Prepared for
Advantage Development Group, LLC
266 East Jericho Turnpike
South Huntington, NY 11746
DE Job No. 1885-001-001 Copyright 2020 by Diprete Engineering Associates, Inc.

Dimensional Regulations:

CURRENT ZONING:	I (INDUSTRIAL)	REQUIRED	PROVIDED
MINIMUM LOT AREA:	40,000 SF	144,184± SF	
MINIMUM FRONTAGE AND LOT WIDTH:	120'	254'±	
MINIMUM FRONT AND CORNER SIDE YARD:	20'	23.5'	
MINIMUM SIDE YARD:	30'	116.4'	
MINIMUM REAR YARD:	40'	68.9'	
MAXIMUM STRUCTURE HEIGHT:	65'	33.5'	
MAXIMUM LOT COVERAGE:	70%	19.5%	

Parking Regulations:

WHOLESALE BUSINESS & STORAGE:	1 SPACE / 2 EMPLOYEES - LARGEST SHIFT
REQUIRED:	1 SPACE
PROVIDED:	9 SPACES (1 ADA ACCESSIBLE)



Environmental Management
MAR 10 2020
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 APR 8 2020 FILE # 20-0058
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

MOLLY R. TITUS
No. [Signature]
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	Drawn By: N.M.P.	Design By: N.M.P.
1	2/9/2020	Initial Design/Documentation Submission		
2	2/9/2020	Final Design/Documentation Submission		

Site Layout Plan
Self Storage Facility
Assessor's Plat 107, Lot 801
Tiverton, Rhode Island 02878
Prepared for
Advantage Development Group, LLC
266 East Bericho Turnpike
South Huntington, NY 11746

DIPrete Engineering
90 Brastava Newport, RI 02880
Tel: 401-609-9590 Fax: 401-661-6006 www.diprete-eng.com
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z:\demain\projects\1895-001-001-progress road self storage - tiverton\autocad drawings\1895-001-001-plan.dwg Plotter: 2/19/2020

z:\dmain\projects\1885-001-001-progress road self storage-tiverton\autocad drawings\1885-001-001-plan.dwg Plotset: 2/19/2020

STATE HIGHWAY 24
N/F
STATE OF RHODE ISLAND

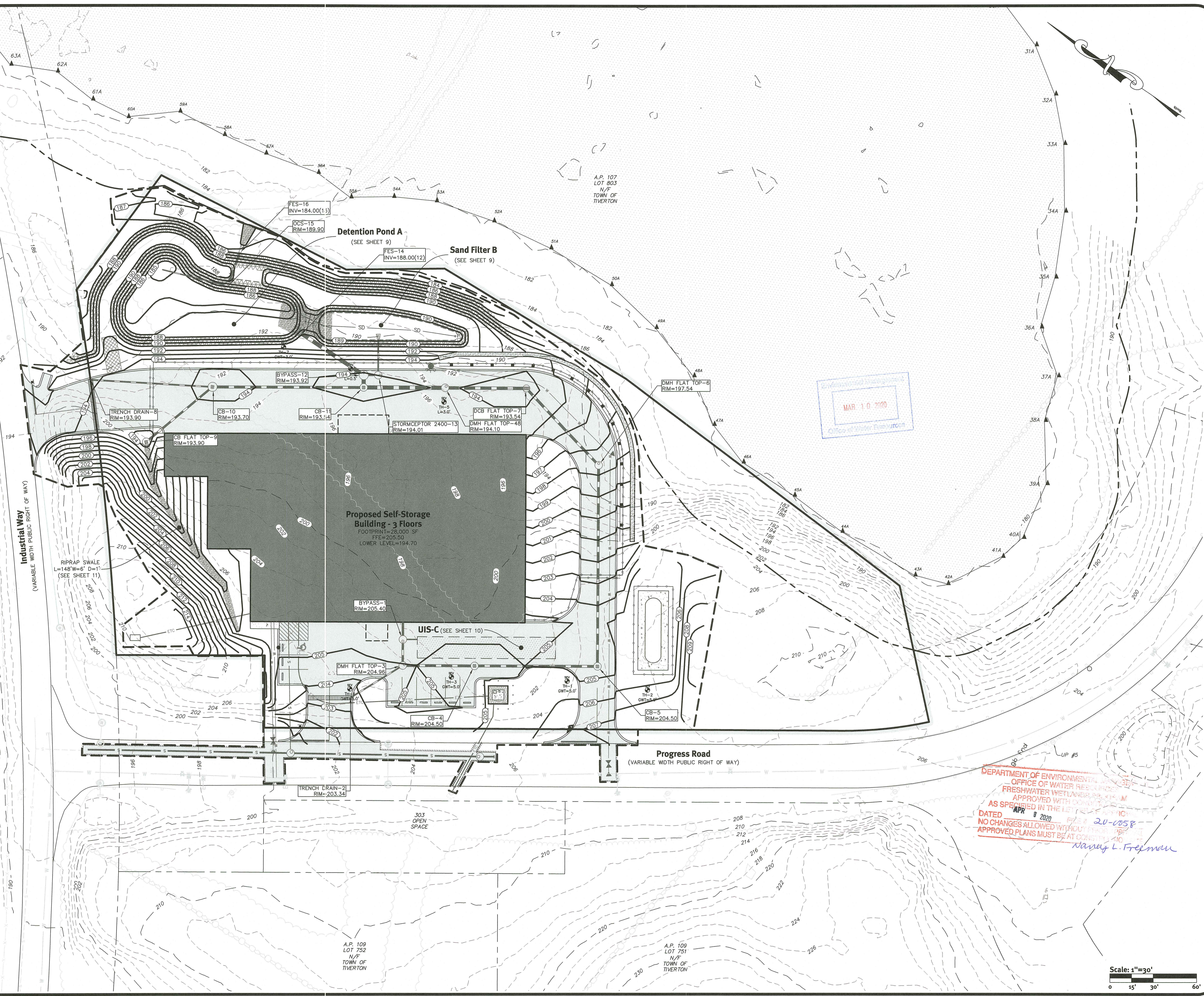
Industrial Way
(VARIABLE WIDTH PUBLIC RIGHT OF WAY)

RIP-RAP SWALE
L=148' W=6' D=1'
(SEE SHEET 11)

A.P. 109
LOT 752
N/F
TOWN OF TIVERTON

A.P. 109
LOT 751
N/F
TOWN OF TIVERTON

A.P. 107
LOT 803
N/F
TOWN OF TIVERTON



Environmental Engineering
MAR 10 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS SECTION
APPROVED WITH COMMENTS
AS SPECIFIED IN THE LETTER TO THE CITY OF
DATED APR 8 2020 PER 20-058
NO CHANGES ALLOWED WITHOUT THE WRITTEN
APPROVED PLANS MUST BE AT COUNTY 210
Nancy L. Freeman

Scale: 1"=30'
0 15' 30' 60'

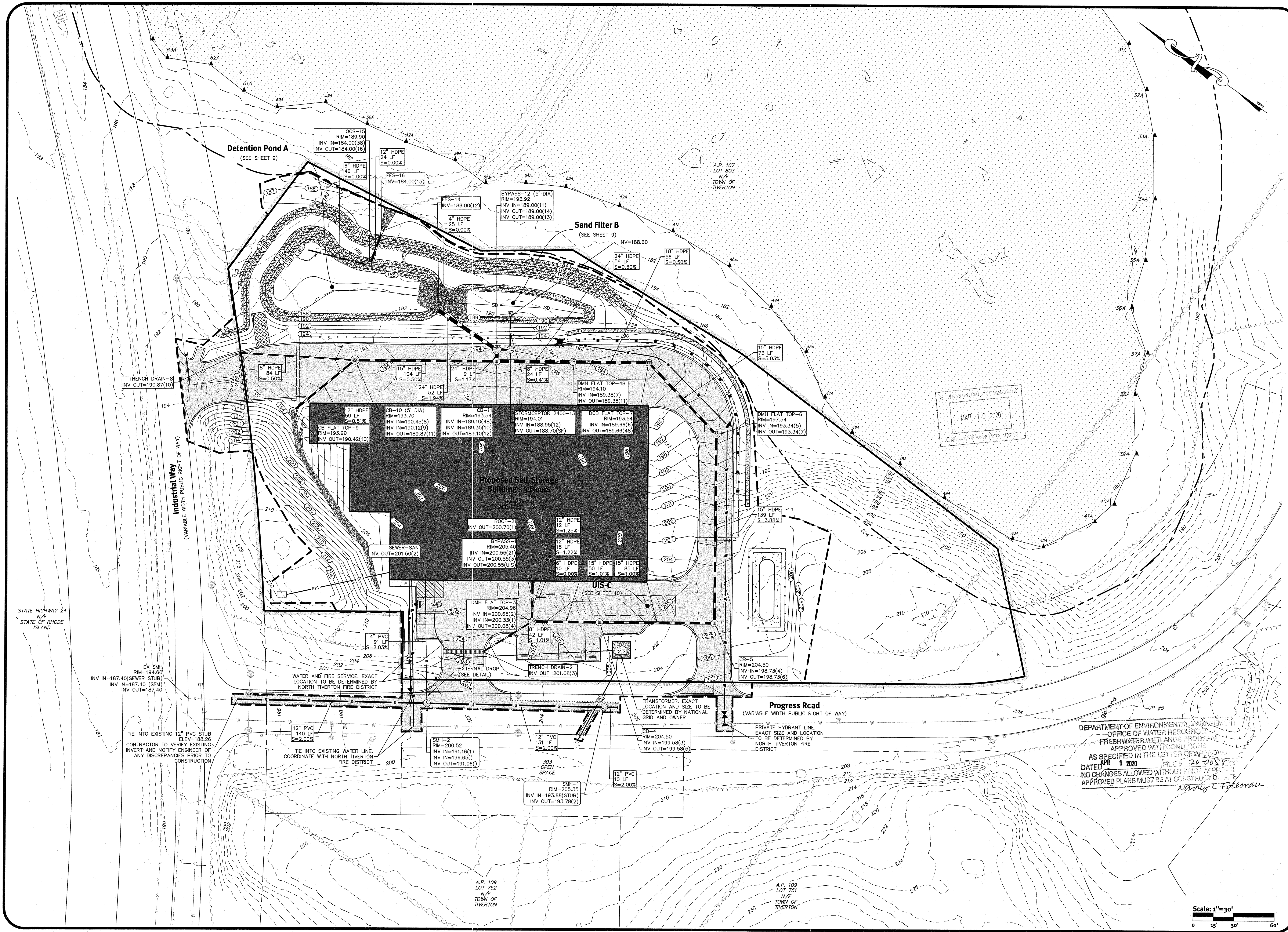
Grading & Surface Drainage Plan
Self Storage Facility
Assessor's Plat 107, Lot 801
Tiverton, Rhode Island 02878
Prepared for
Advantage Development Group, LLC
265 East Perich Turnpike
South Huntington, NY 11746
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No. [Signature]
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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No.	Date	Description	By	N.M.P.
0	2/19/2020	60588 Preliminary Submission		
			Design By: N.M.P.	

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Z:\Main\projects\1895-001-001-progress road self storage - tiverton\autocad drawings\1895-001-001-plan.dwg Plotmed: 2/19/2020

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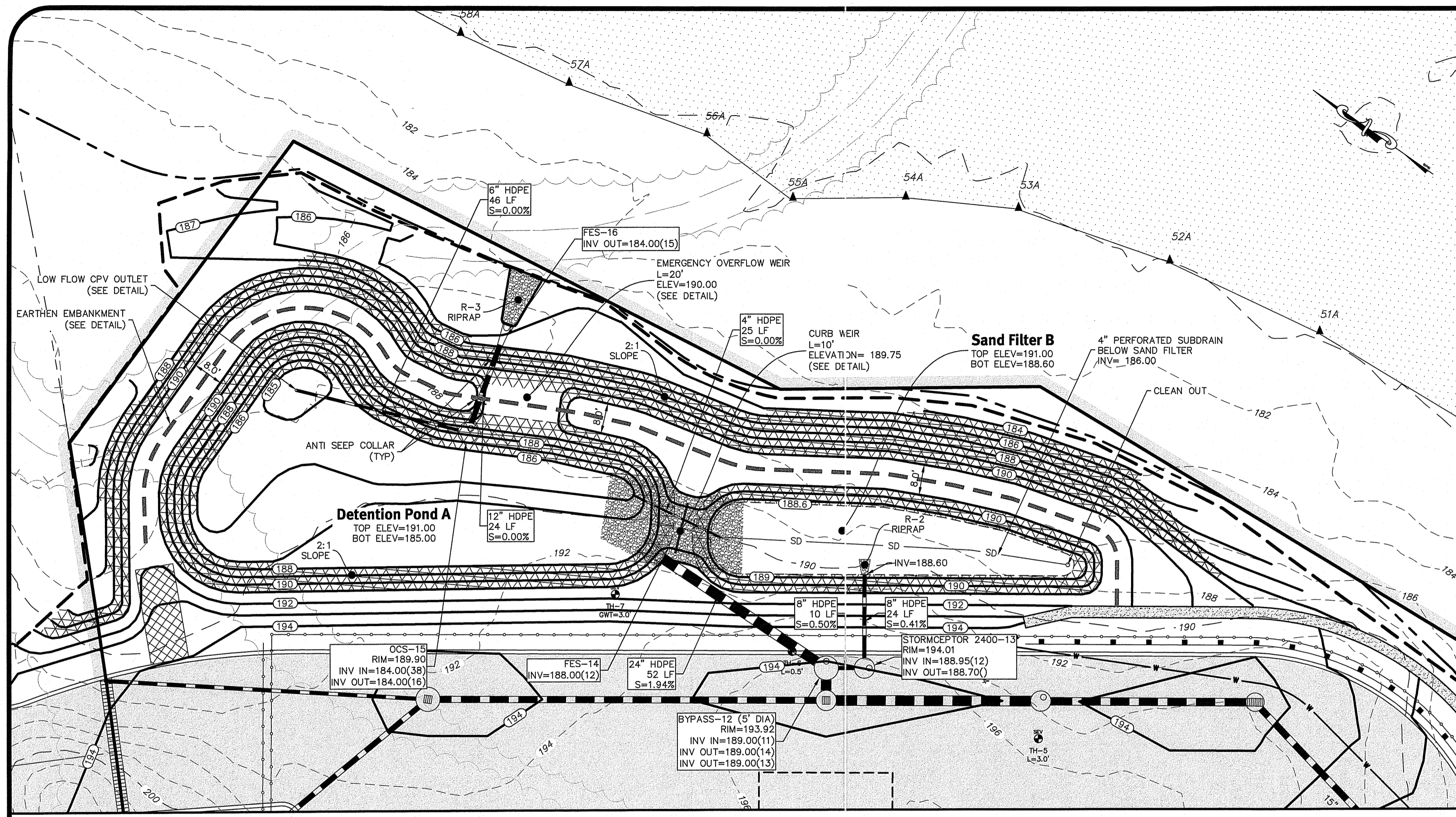
Engineering assumes no responsibility for damages incurred due to locations of existing utilities. See utility notes on sheet 3.

No.	DATE	DESCRIPTION	Drawn By: M.M.P.	Design By: M.M.P.
0	2/19/2020	ISSUE FOR PERMIT SUBMISSION		

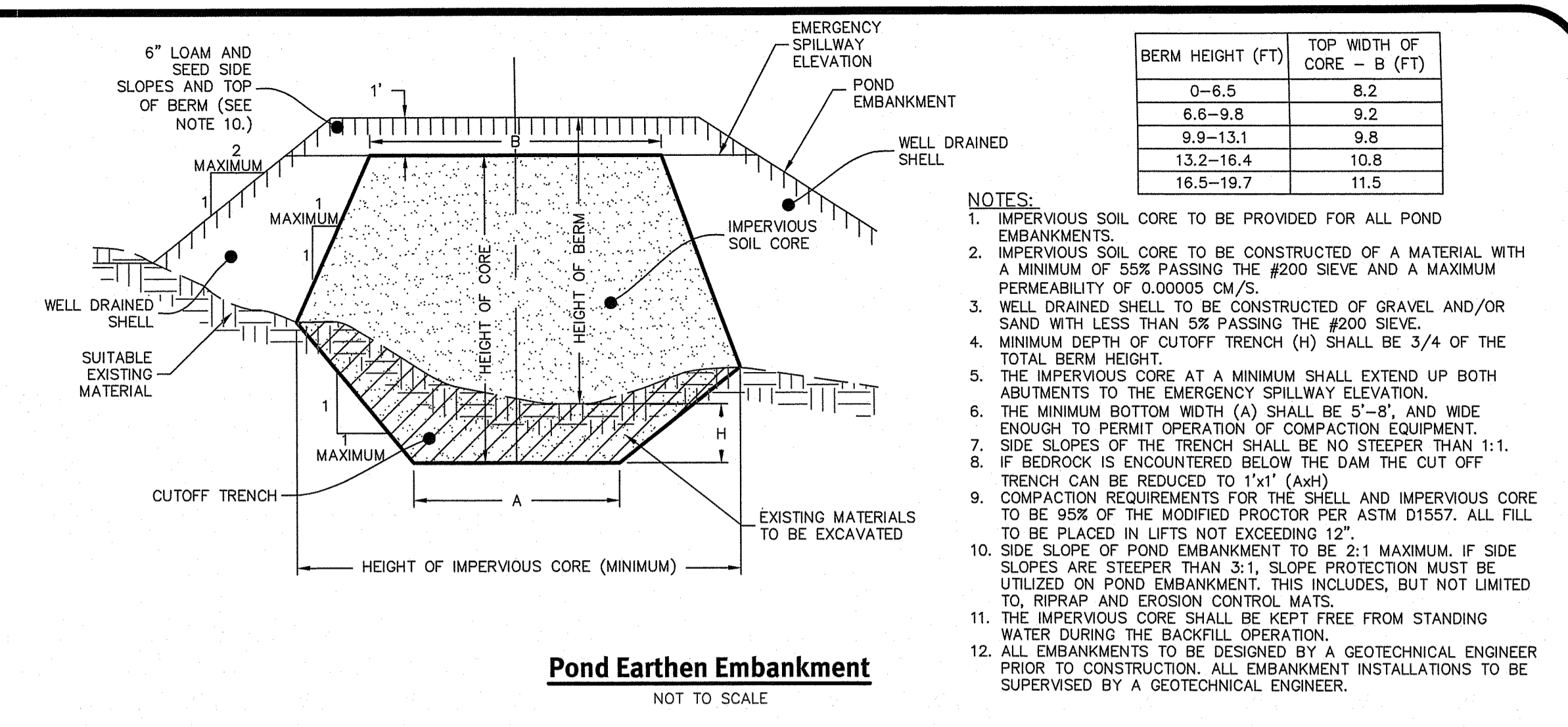
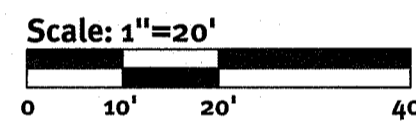
Utilities Plan
Self Storage Facility
 Assessor's Plat 107, Lot 801
 Tiverton, Rhode Island 02878
 Prepared for:
Advantage Development Group, LLC
 266 East Jericho Turnpike
 South Plainfield, NJ 07080
 DE Job No: 1895-001-001 Copyright 2020 by DiPrete Engineering Associates, Inc.

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 OFFICE OF WATER RESOURCES
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Nancy L. Freeman

Scale: 1"=30'
 0 15' 30' 60'



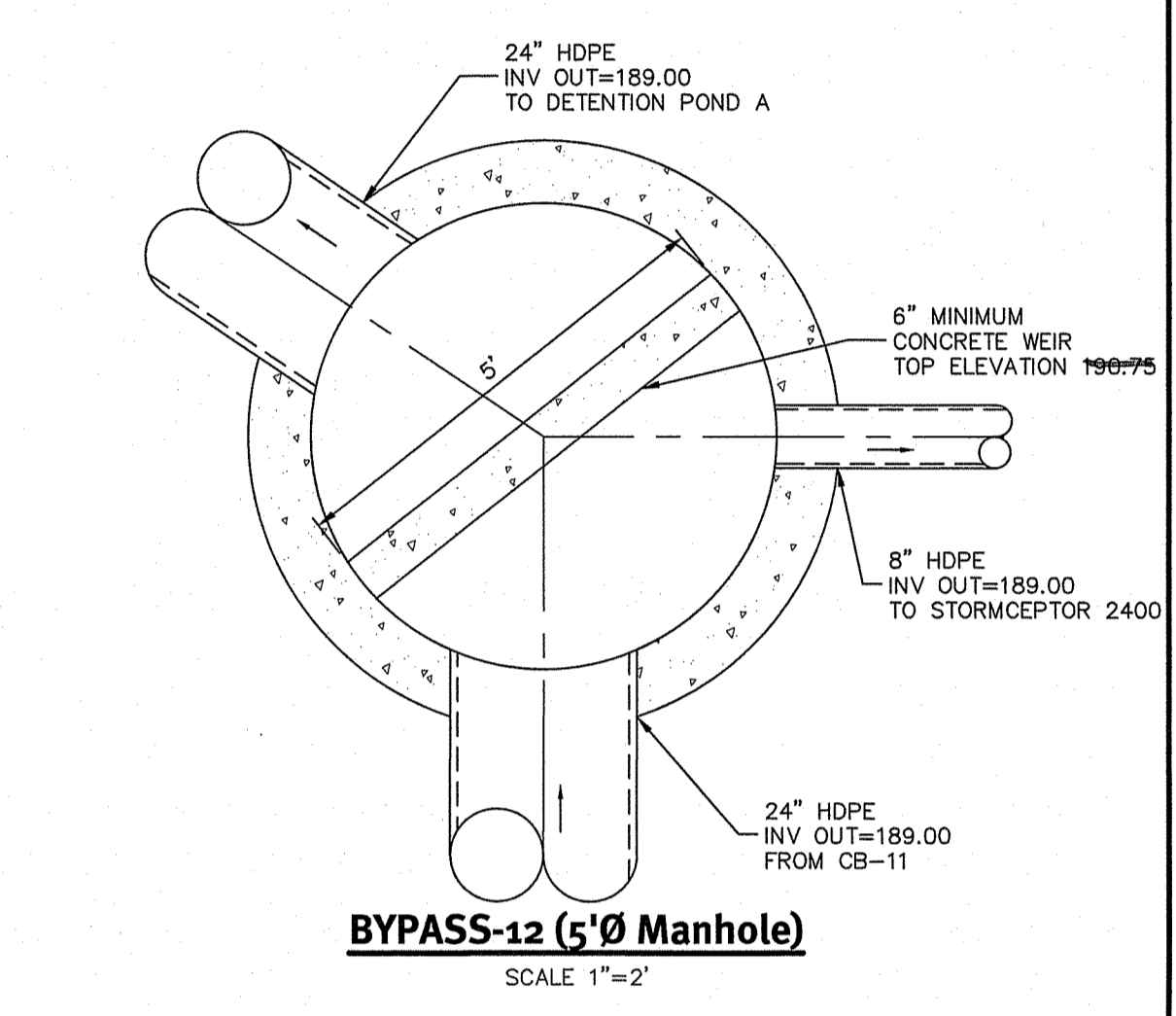
Pond System



Pond Earthen Embankment

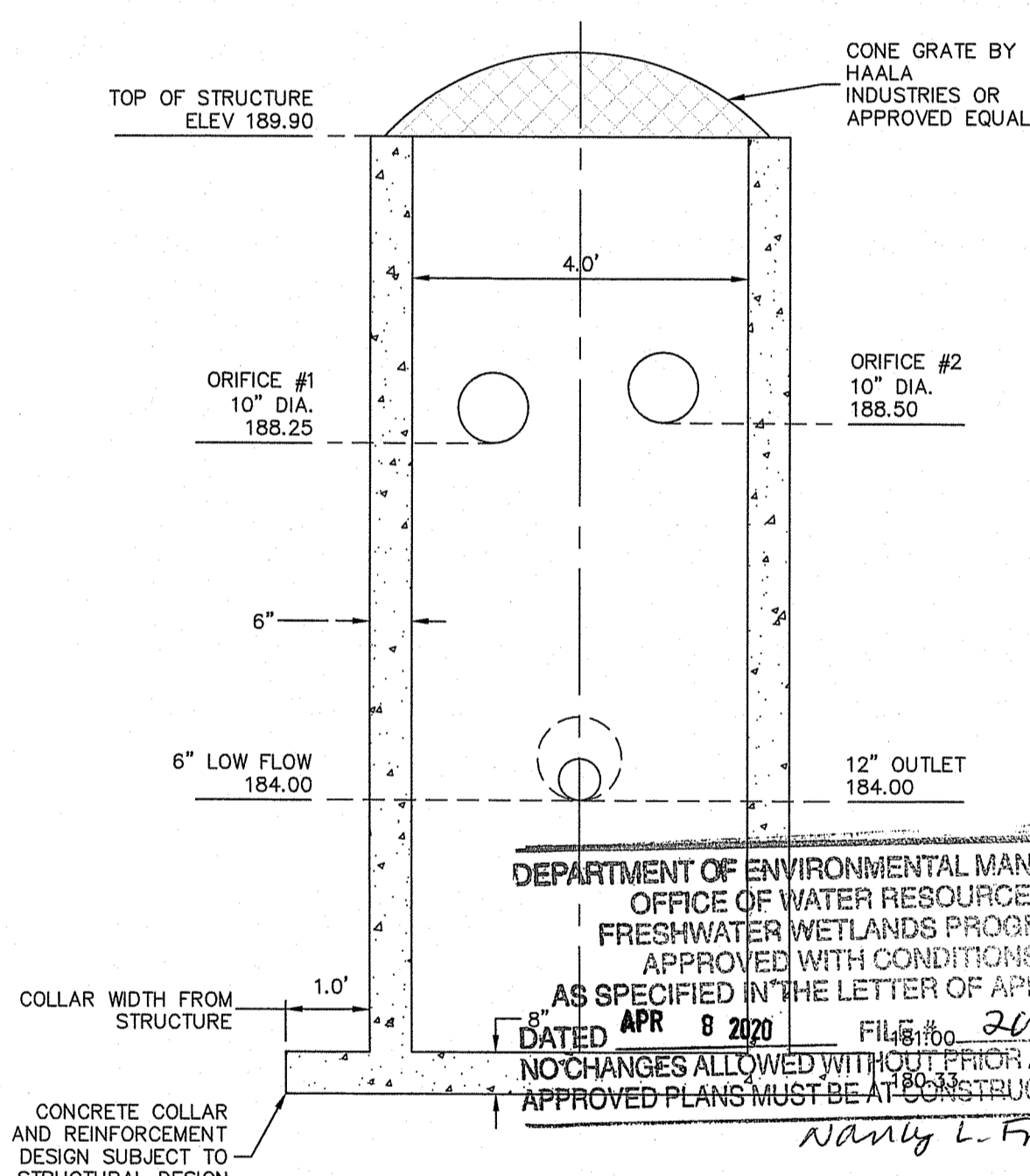
BERM HEIGHT (FT)	TOP WIDTH OF CORE - B (FT)
0-6.5	8.2
6.6-9.8	9.2
9.9-13.1	9.8
13.2-16.4	10.8
16.5-19.7	11.5

- NOTES:
- IMPERVIOUS SOIL CORE TO BE PROVIDED FOR ALL POND EMBANKMENTS.
 - IMPERVIOUS SOIL CORE TO BE CONSTRUCTED OF A MATERIAL WITH A MINIMUM OF 55% PASSING THE #200 SIEVE AND A MAXIMUM PERMEABILITY OF 0.0005 CM/S.
 - WELL DRAINED SHELL TO BE CONSTRUCTED OF GRAVEL AND/OR SAND WITH LESS THAN 5% PASSING THE #200 SIEVE.
 - MINIMUM DEPTH OF CUTOFF TRENCH (H) SHALL BE 3/4 OF THE TOTAL BERM HEIGHT.
 - THE IMPERVIOUS CORE AT A MINIMUM SHALL EXTEND UP BOTH ABUTMENTS TO THE EMERGENCY SPILLWAY ELEVATION.
 - THE MINIMUM BOTTOM WIDTH (A) SHALL BE 5'-8" AND WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION EQUIPMENT.
 - SIDE SLOPES OF THE TRENCH SHALL BE NO STEEPER THAN 1:1.
 - IF BEDROCK IS ENCOUNTERED BELOW THE DAM THE CUTOFF TRENCH CAN BE REDUCED TO 1'x1' (MIN).
 - COMPACTION REQUIREMENTS FOR THE SHELL AND IMPERVIOUS CORE TO BE 95% OF THE MODIFIED PROCTOR PER ASTM D1557. ALL FILL TO BE PLACED IN LIFTS NOT EXCEEDING 12".
 - SIDE SLOPE OF POND EMBANKMENT TO BE 2:1 MAXIMUM. IF SIDE SLOPES ARE STEEPER THAN 3:1, SLOPE PROTECTION MUST BE UTILIZED ON POND EMBANKMENT. THIS INCLUDES, BUT NOT LIMITED TO, RIPRAP AND EROSION CONTROL MATS.
 - THE IMPERVIOUS CORE SHALL BE KEPT FREE FROM STANDING WATER DURING THE BACKFILL OPERATION.
 - ALL EMBANKMENTS TO BE DESIGNED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. ALL EMBANKMENT INSTALLATIONS TO BE SUPERVISED BY A GEOTECHNICAL ENGINEER.



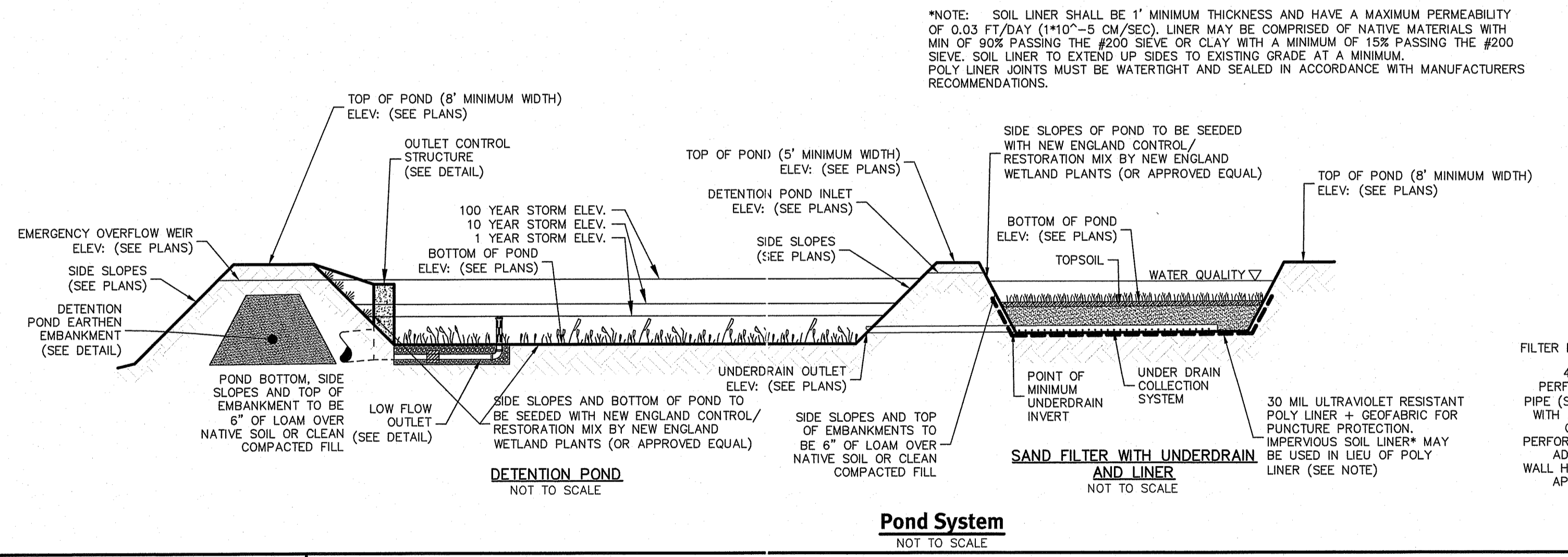
BYPASS-12 (5' Dia) Manhole

189.75 per R.I.D.E.M.



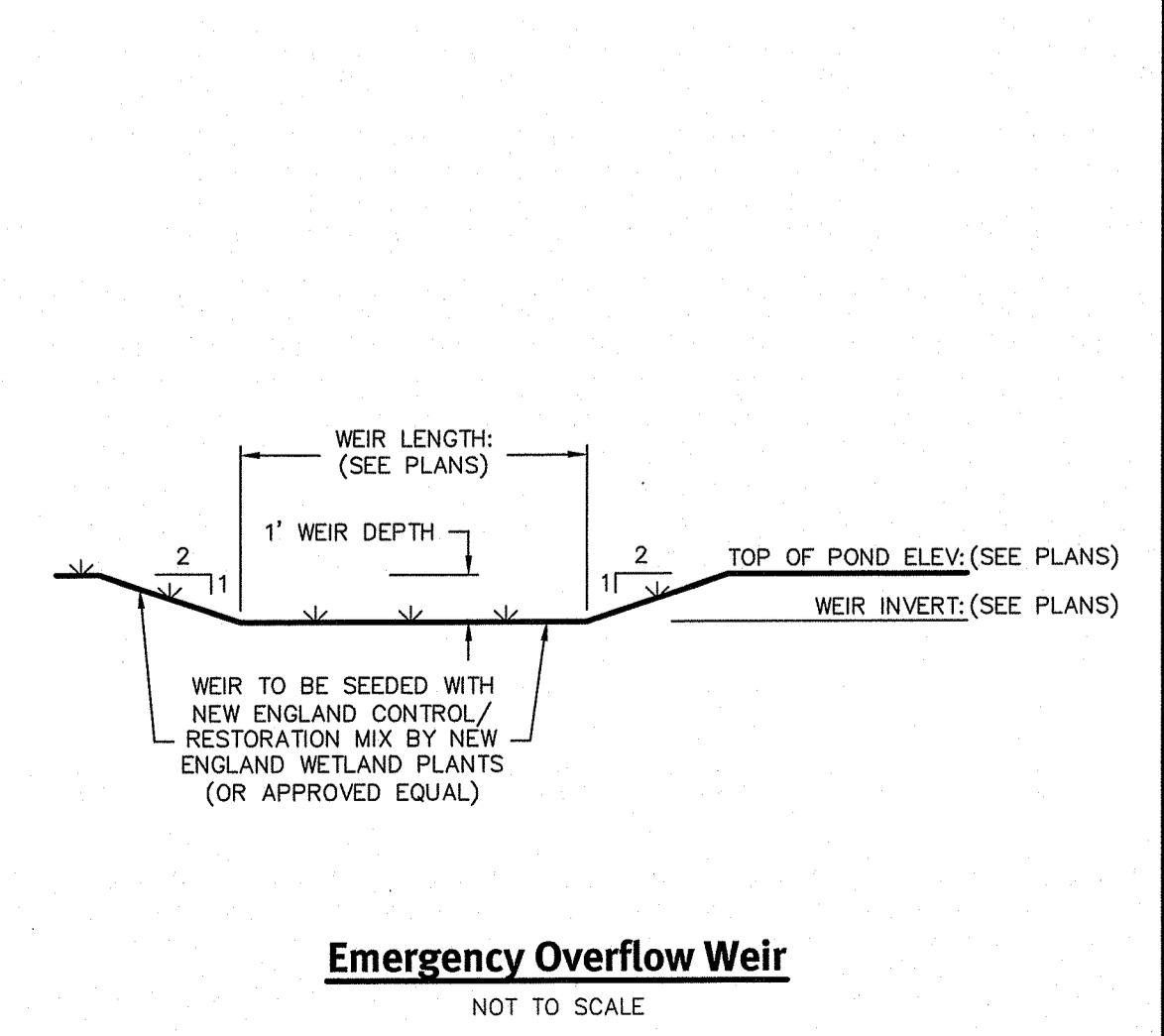
Outlet Control Structure

DESCRIPTION	DP-A
TOP OF POND ELEVATION	191.00
100 YEAR STORM ELEVATION	189.98
25 YEAR STORM ELEVATION	189.06
10 YEAR STORM ELEVATION	188.65
2 YEAR STORM ELEVATION	188.21
1 YEAR STORM ELEVATION	187.67
BOTTOM OF POND ELEVATION	185.00
SEASONAL HIGH GWT ELEVATION	185.00
SOIL EVALUATION	TH-7

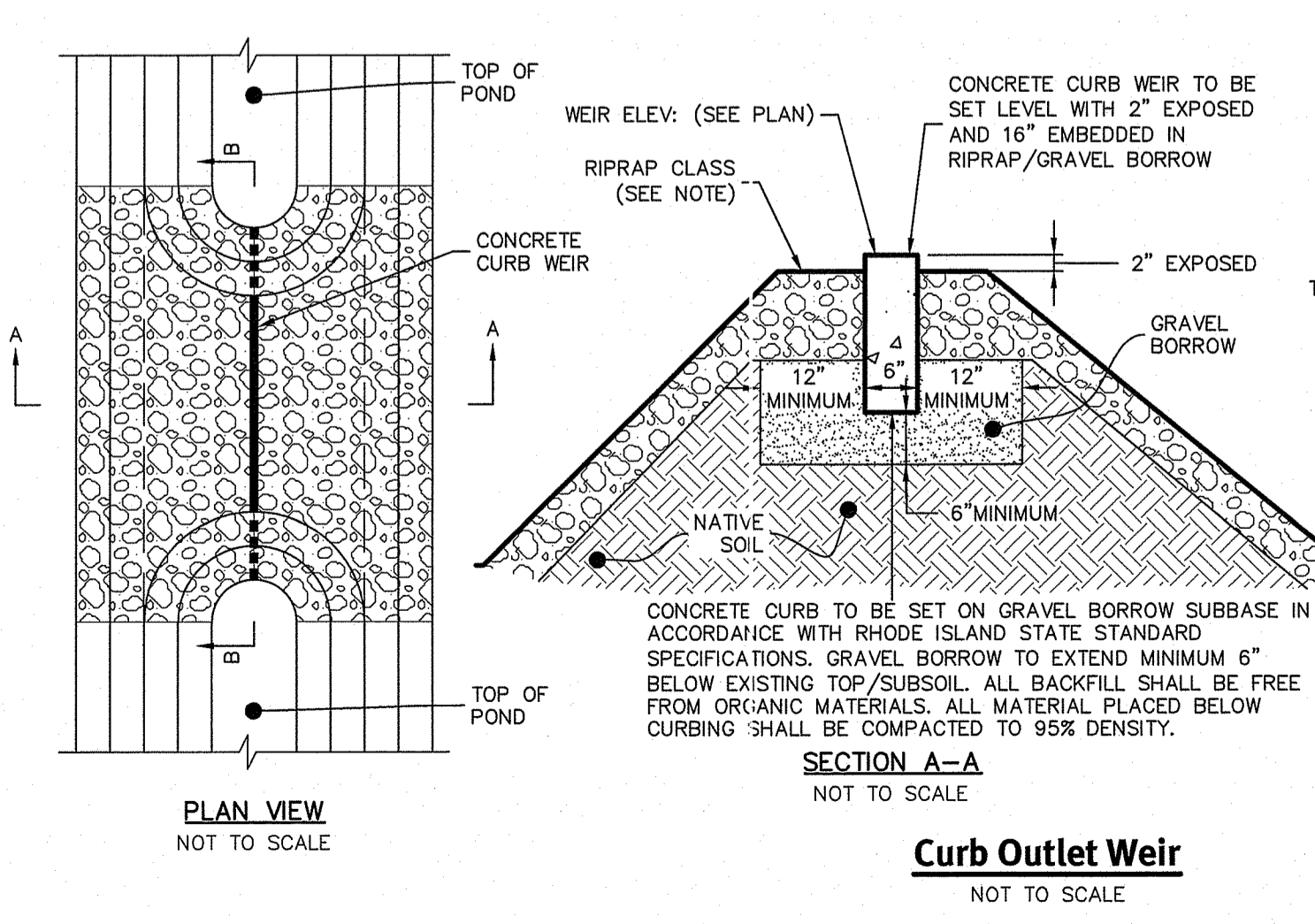


Pond System

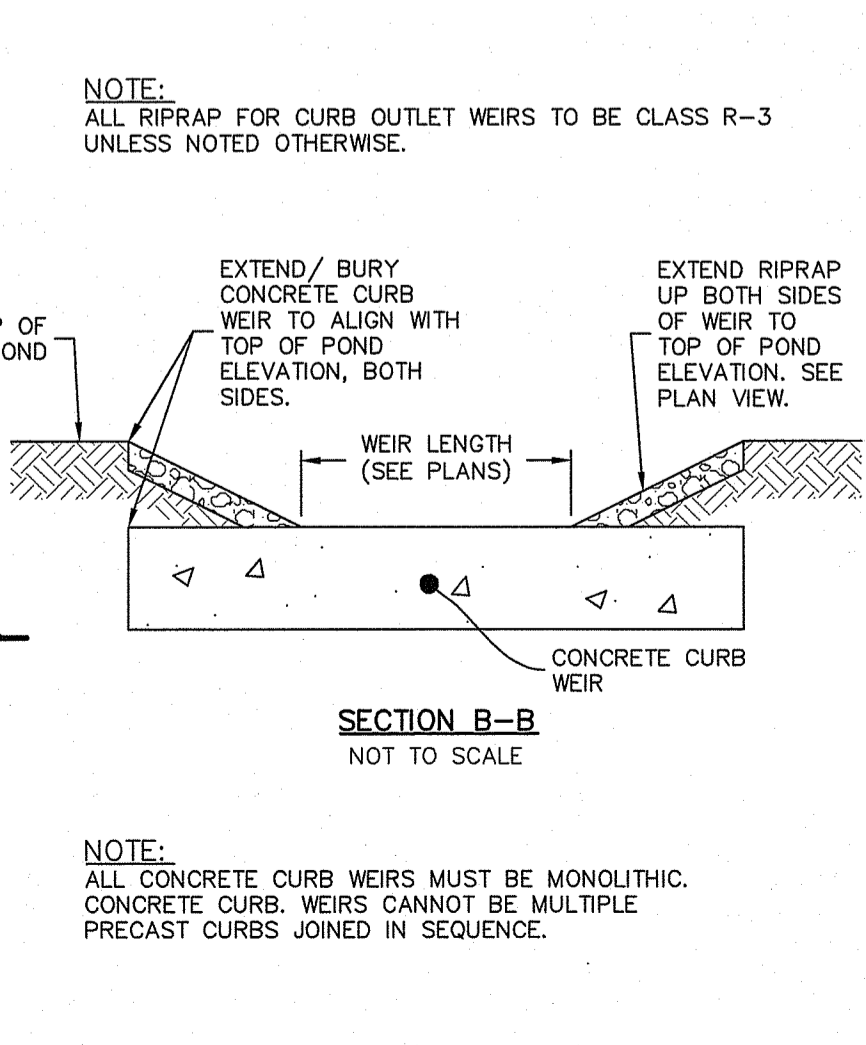
DESCRIPTION	SNDF-B
TOP OF POND ELEVATION	191.00
100 YEAR STORM ELEVATION	189.99
25 YEAR STORM ELEVATION	189.83
10 YEAR STORM ELEVATION	189.77
2 YEAR STORM ELEVATION	189.69
1 YEAR STORM ELEVATION	189.32
WQ STORM ELEVATION	187.52
BOTTOM OF POND ELEVATION	188.60
TOP SOIL DEPTH	0.5'
BOTTOM OF SAND ELEVATION	186.60
SAND DEPTH	1.5'
MINIMUM UNDERDRAIN INVERT	186.00
UNDERDRAIN OUTLET ELEVATION	186.00
SEASONAL HIGH GWT ELEVATION	188.00
SOIL EVALUATION	TH-7



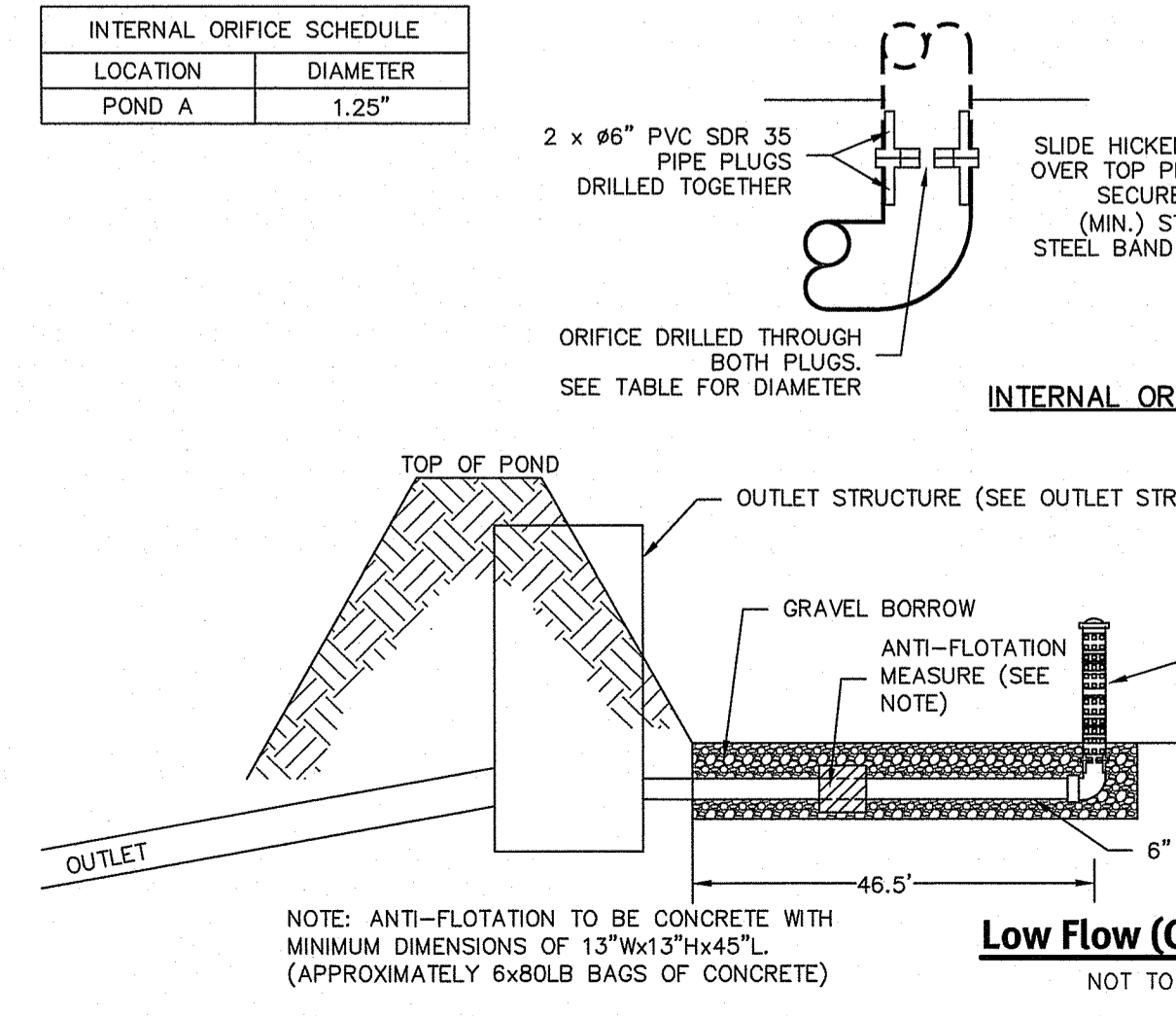
Emergency Overflow Weir



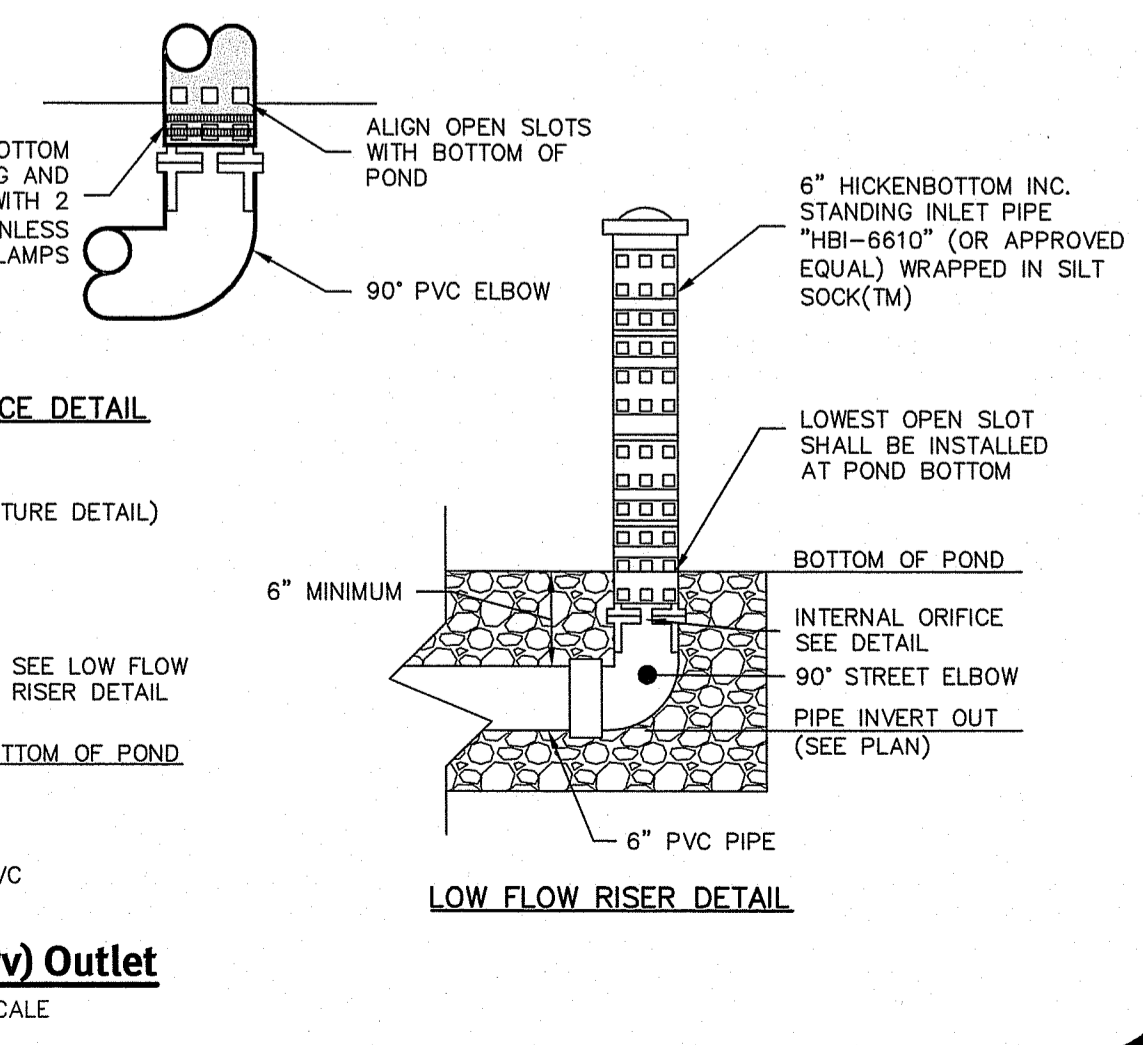
Curb Outlet Weir



Section B-B



Low Flow (CPV) Outlet



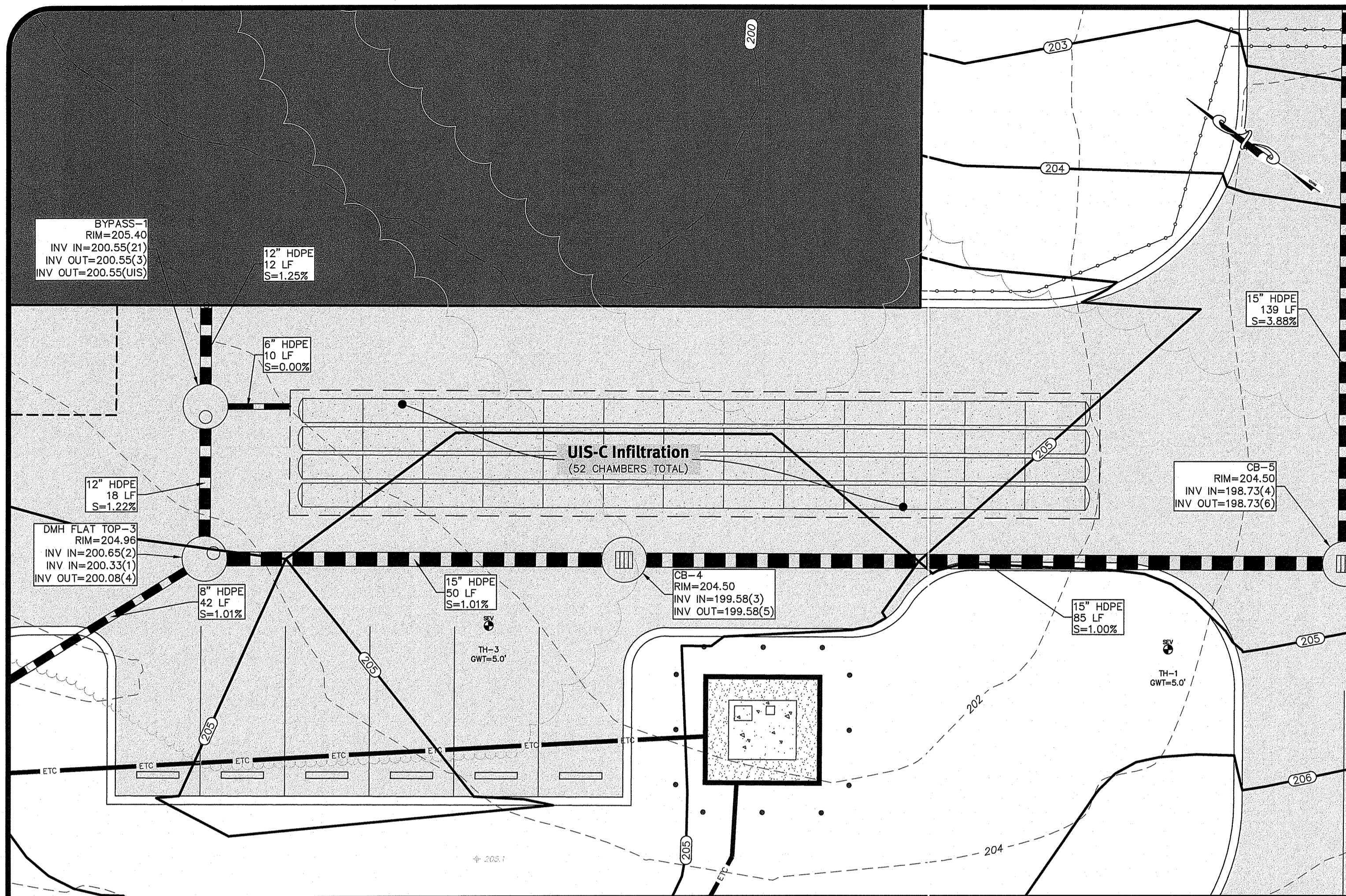
Low Flow Riser Detail

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 90 Broadway Newport, RI 02840
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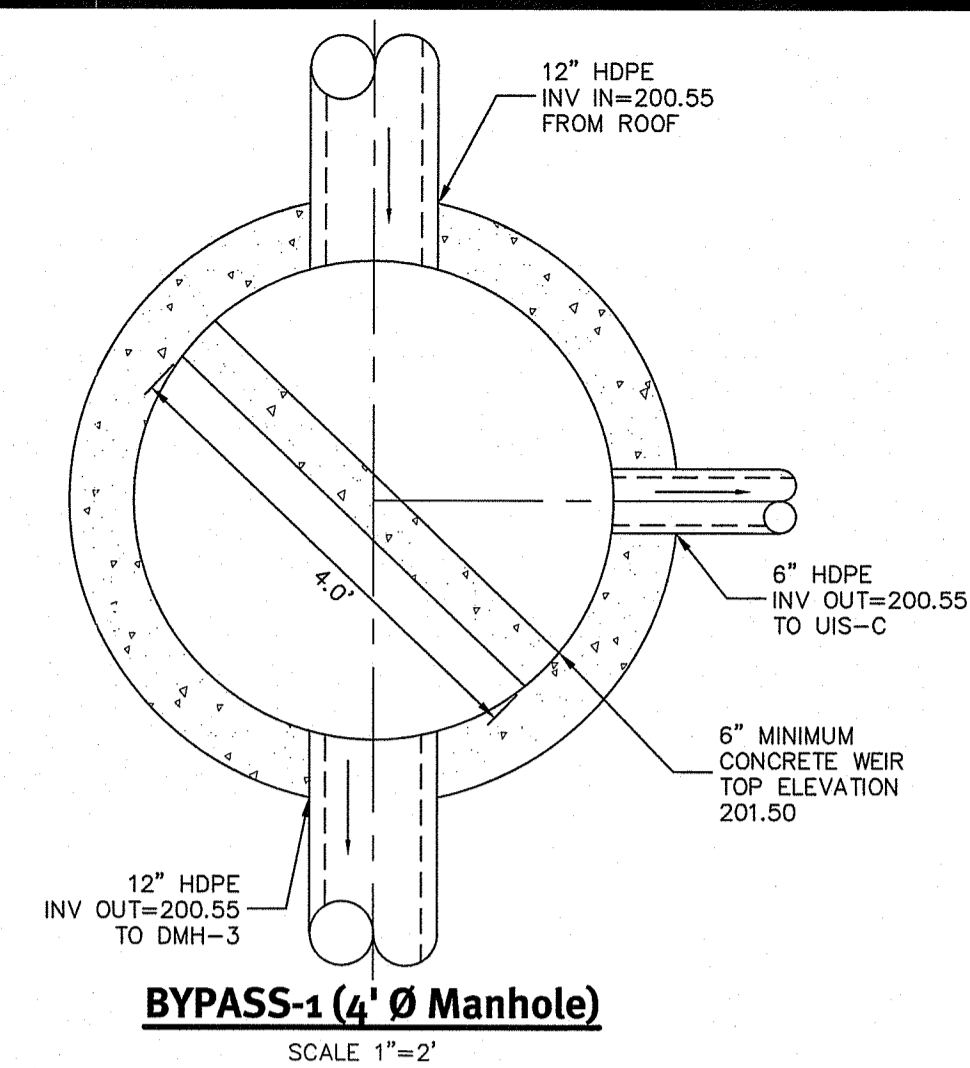
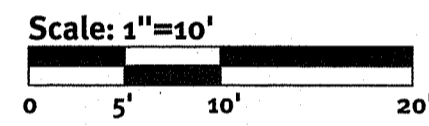
MOLLY R. TITUS
 No. 107468
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

Environmental Management
 Office of Water Resources
 MAR 10 2020
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Design By: N.M.P.

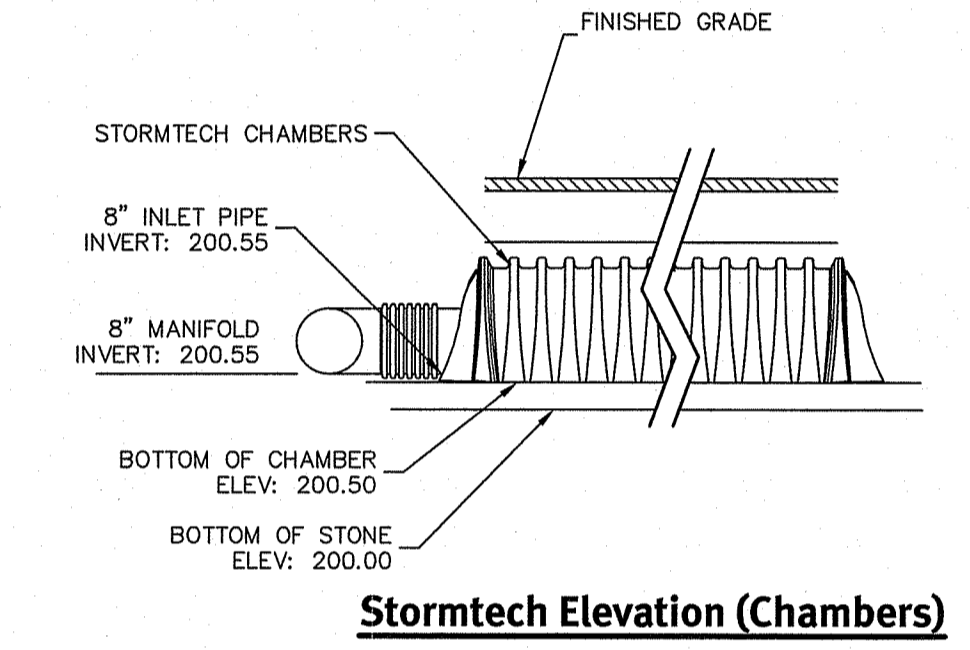
Pond System Self Storage Facility
 Advantage Development Group, LLC
 Assessor's Plat 107, Lot 801
 260 East Jefferson Avenue
 Tiverton, Rhode Island 02878
 SHEET 9 OF 12



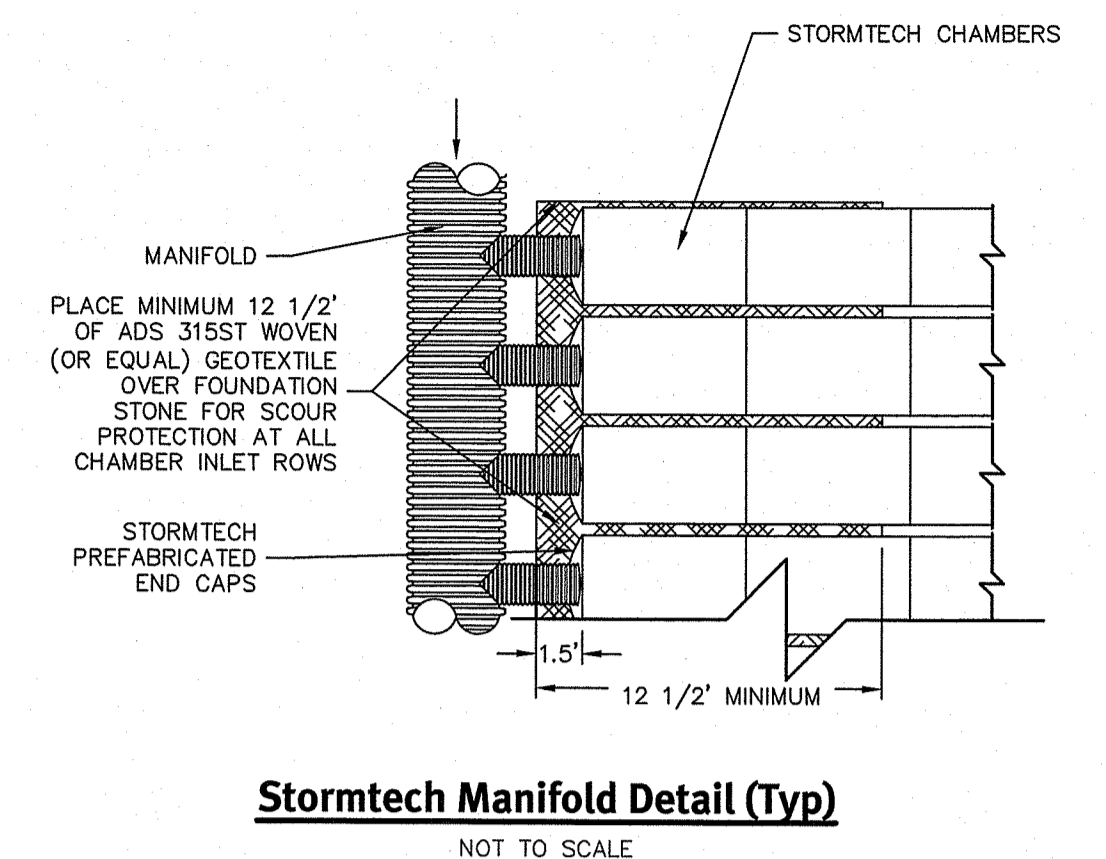
Underground Infiltration System C



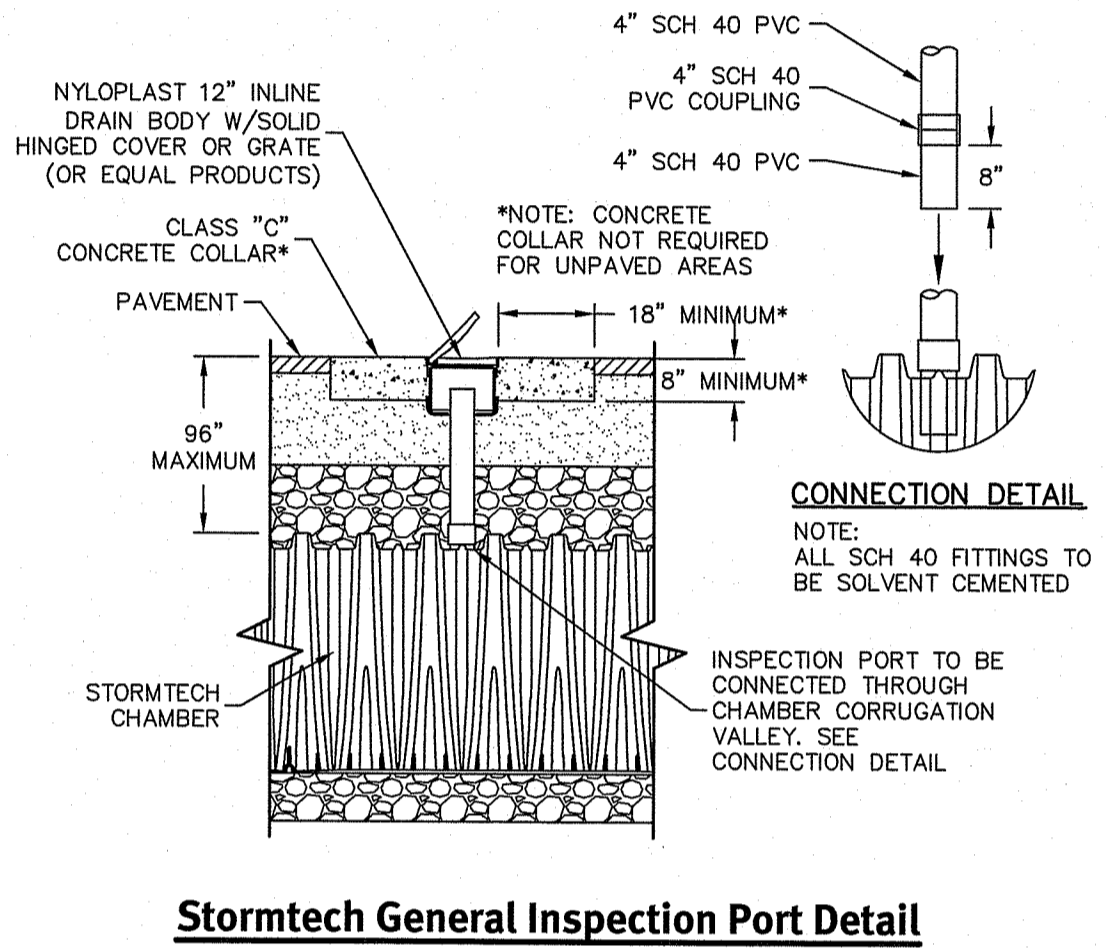
BYPASS-1 (4' Ø Manhole)



Stormtech Elevation (Chambers)



Stormtech Manifold Detail (Typ)

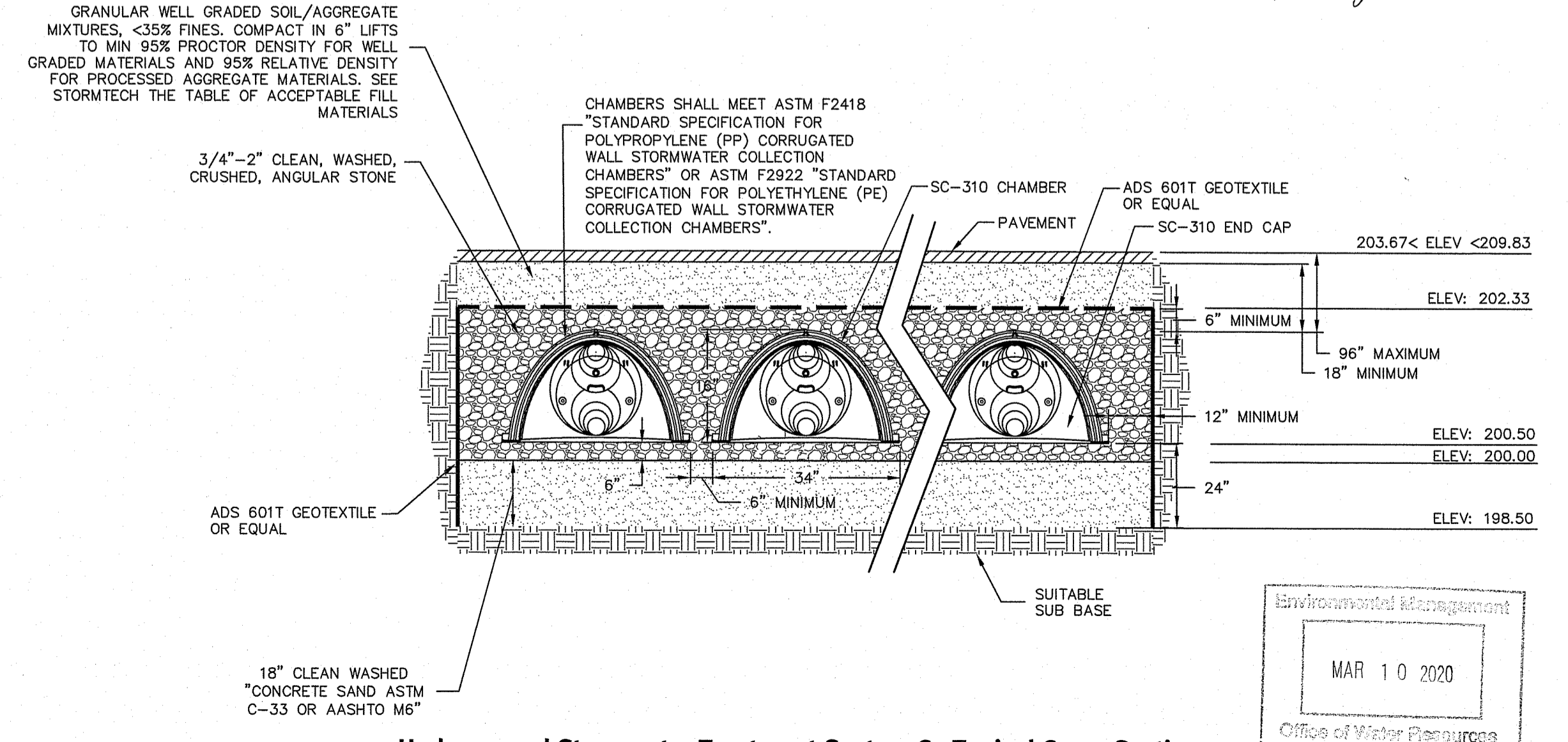


Stormtech General Inspection Port Detail

DESCRIPTION	WQ
TOP OF STORAGE ELEVATION	202.33
BOTTOM OF STORAGE ELEVATION	200.00
100 YEAR STORM ELEVATION	202.29
25 YEAR STORM ELEVATION	201.92
10 YEAR STORM ELEVATION	201.86
2 YEAR STORM ELEVATION	201.66
1 YEAR STORM ELEVATION	201.60
WQ STORM ELEVATION	200.62
SEASONAL HIGH GWT ELEVATION	197.00
SOIL EVALUATION	TH-3

STORMTECH NOTES:

- THIS CROSS SECTION DETAILS THE REQUIREMENTS NECESSARY TO SATISFY THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS USING STORMTECH CHAMBERS. SEE APPLICABLE STORMTECH CONSTRUCTION GUIDES AND ALL APPLICABLE DOCUMENTS FOR SPECIFIC MATERIAL REQUIREMENTS.
- SEE LATEST STORMTECH DESIGN MANUAL.
- ALL STORMTECH CHAMBERS MUST BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AND THESE PLANS. CONTRACTOR TO NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLATION.



Underground Stormwater Treatment System C - Typical Cross Section Stormtech SC-310

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 8 2020 FILE # 20-0058
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy C. Freeman

MAR 10 2020
Office of Water Resources

DiPrete Engineering
90 Broadway Newport, RI 02840
tel 401-619-5890 fax 401-464-6006 www.diprete-eng.com

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No. [Signature]
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01/19/2020

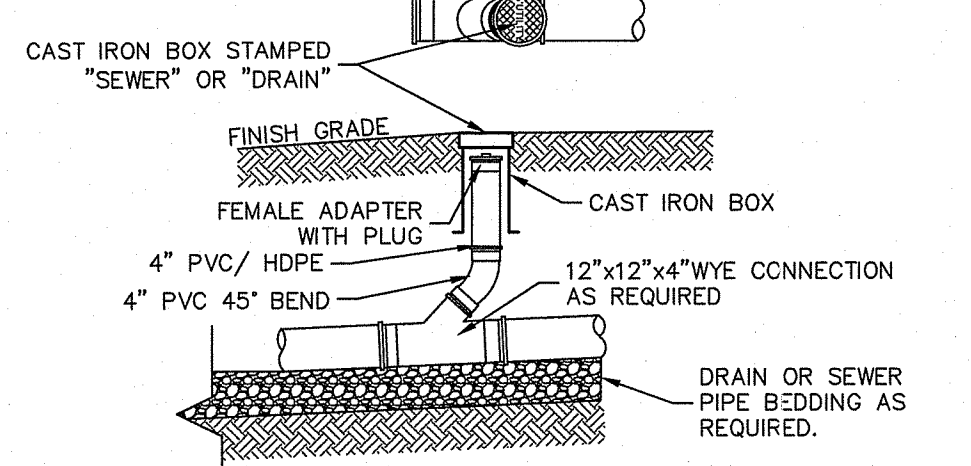
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DiPrete Engineering, Inc. is not responsible for any damage to existing utilities. See Utility Note on sheet 3.

20200202
No. [Signature]
Date [Signature]
Description [Signature]
Drawn By: N.M.P.
Design By: N.M.P.

Underground Infiltration System
Self Storage Facility
Assessor's Plat 027 Lot 001
Tiverton, Rhode Island 02878
Prepared For
Advantage Development Group, LLC
266 East Jericho Turnpike
South Huntington, NY 11746

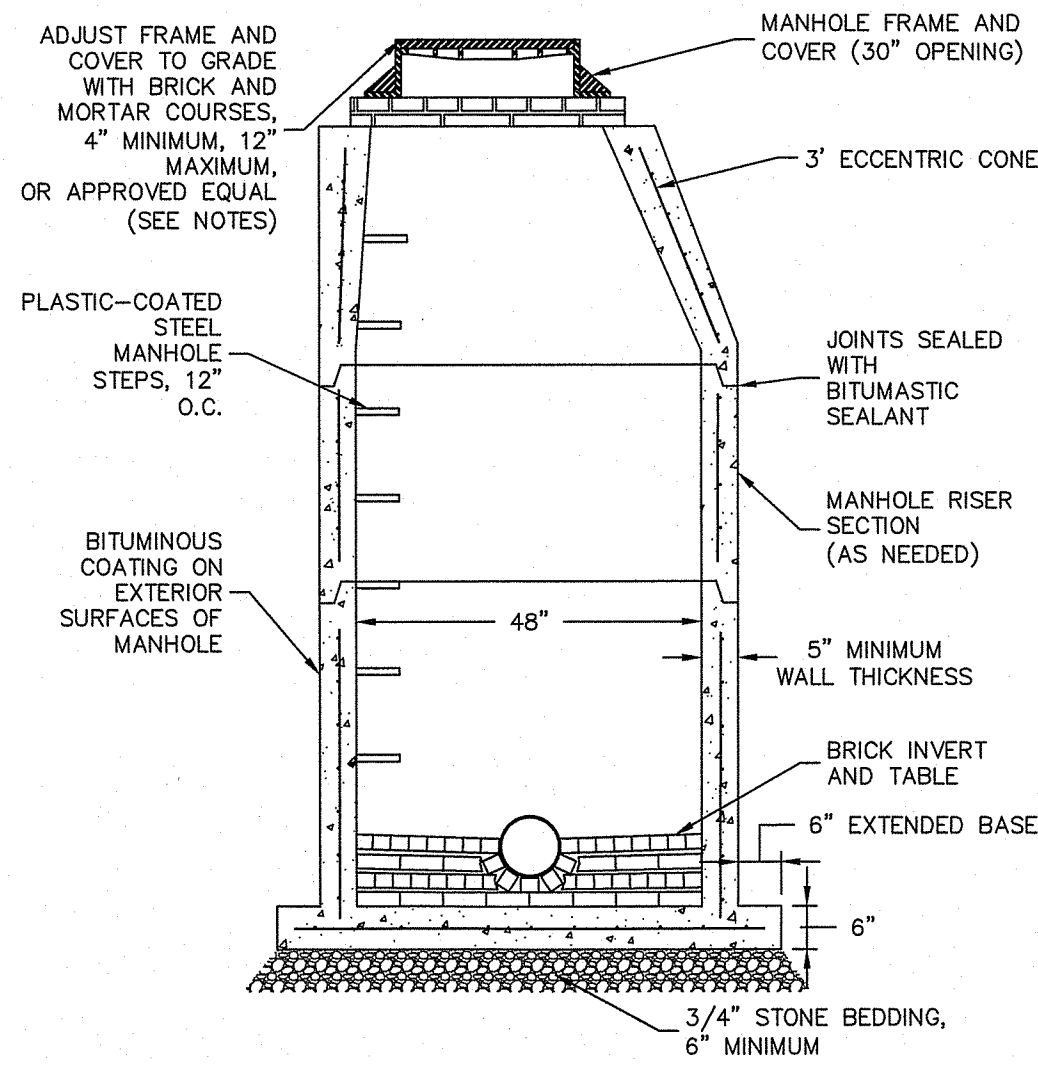
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- NOTES:**
1. ALL PIPE AND FITTINGS SHALL BE GASKETED SDR-35 PVC FOR SEWER, OR HDPE PIPE FOR DRAINAGE.
 2. PIPE BEDDING AND BACKFILL FOR CLEANOUTS SHALL MEET APPLICABLE DRAINAGE AND SEWER SPECIFICATIONS UNLESS OTHERWISE NOTED BY ENGINEER.
 3. FOR SEWER CLEANOUTS, A MINIMUM OF ONE CLEANOUT SHALL BE PLACED ON EACH LATERAL, 5' FROM THE STRUCTURE. FOR LONGER RUNS, CLEANOUTS SHALL BE LOCATED EVERY 100'. FOR DRAIN CLEANOUTS SEE PLANS FOR LOCATION AS REQUIRED.
 4. ALL CLEANOUTS SHALL BE SLEEVED WITH A CAST-IRON BOX SET FLUSH WITHIN THE FINAL GRADE OF GRASS, HARDSCAPE, ROADWAYS OR CONCRETE AREAS. CAST IRON BOX NOT REQUIRED FOR STORMWATER BMP AREAS. COVERS SHALL BE INSCRIBED WITH THE WORD "SEWER," OR "DRAIN" ACCORDINGLY. FOR ROADWAY APPLICATIONS, THE CAST-IRON BOX MUST MEET H-20 LOADING.

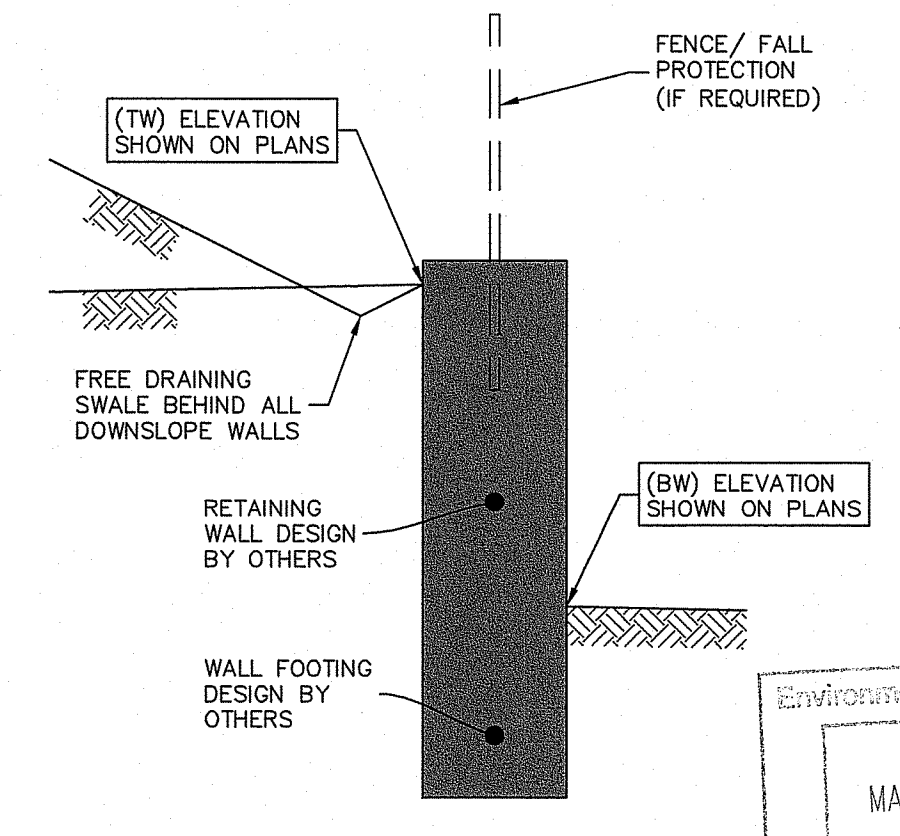


Cleanout
NOT TO SCALE

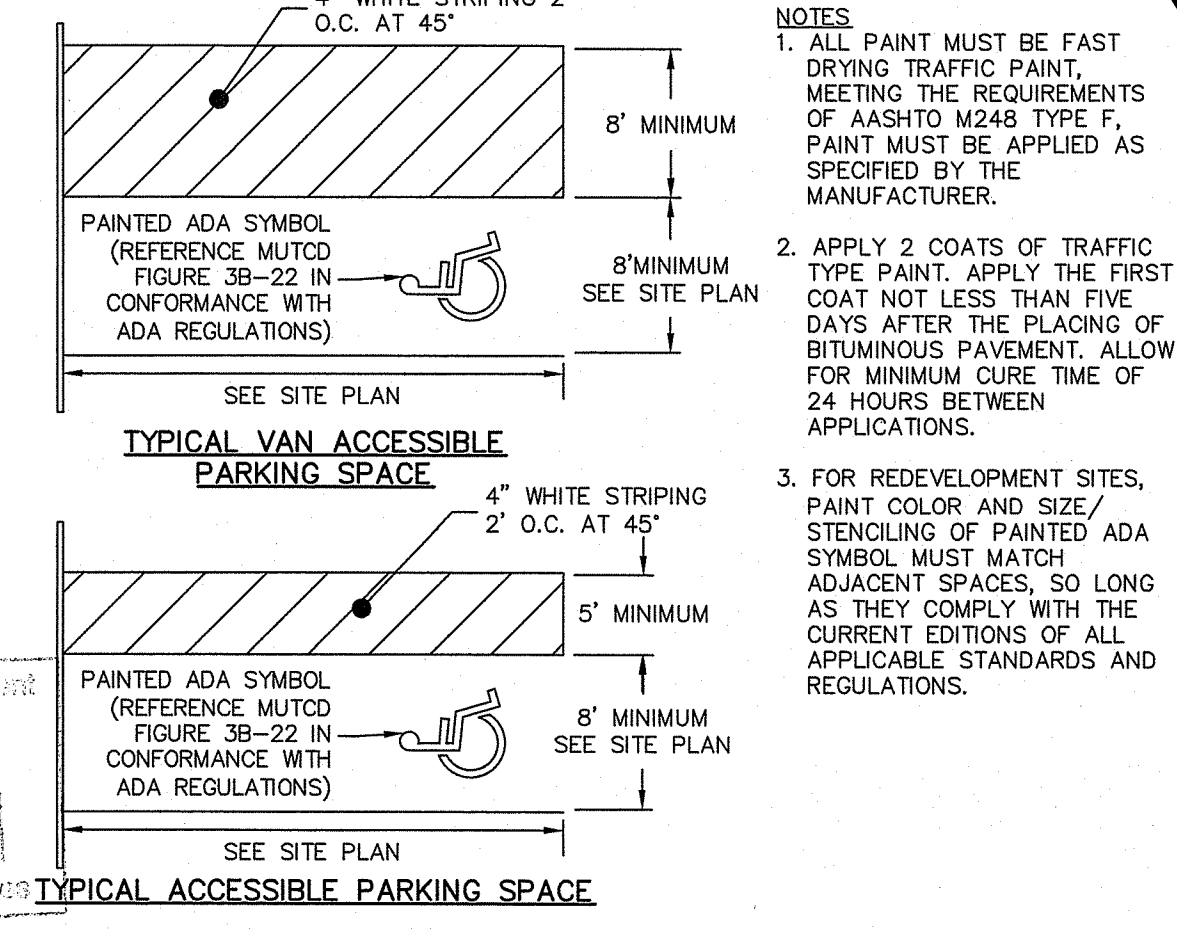
- NOTES:**
1. MANHOLE SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM-C478.
 2. INVERT AND TABLE SHALL CONSIST ENTIRELY OF BRICK AND MORTAR. NO SAND FILLER SHALL BE ALLOWED.
 3. MANHOLES SHALL BE VACUUM TESTED PRIOR TO ACCEPTANCE, IN ACCORDANCE WITH THE SEWER AUTHORITY SANITARY RULES AND REGULATIONS. UNDER NO CIRCUMSTANCES WILL EXFILTRATION TESTING BE ACCEPTED.
 4. BOLTED AND GASKETED COVERS SHALL BE USED ON MANHOLES IN OFF-ROAD AREAS.
 5. TAPPING OF MANHOLES MUST BE AUTHORIZED AND INSPECTED BY THE SEWER AUTHORITY. THE ONLY APPROVED METHOD FOR TAPPING MANHOLES SHALL BE BY CORE-DRILLING THE MANHOLE AND INSTALLING A "KOR-N-SEAL" BOOT.
 6. PRECAST CONCRETE GRADE RINGS, HDPE GRADE RINGS, OR OTHER RIM ADJUSTMENT PRODUCTS MAY BE USED IN LIEU OF BRICK AND MORTAR WITH THE PERMISSION OF THE SEWER AUTHORITY.



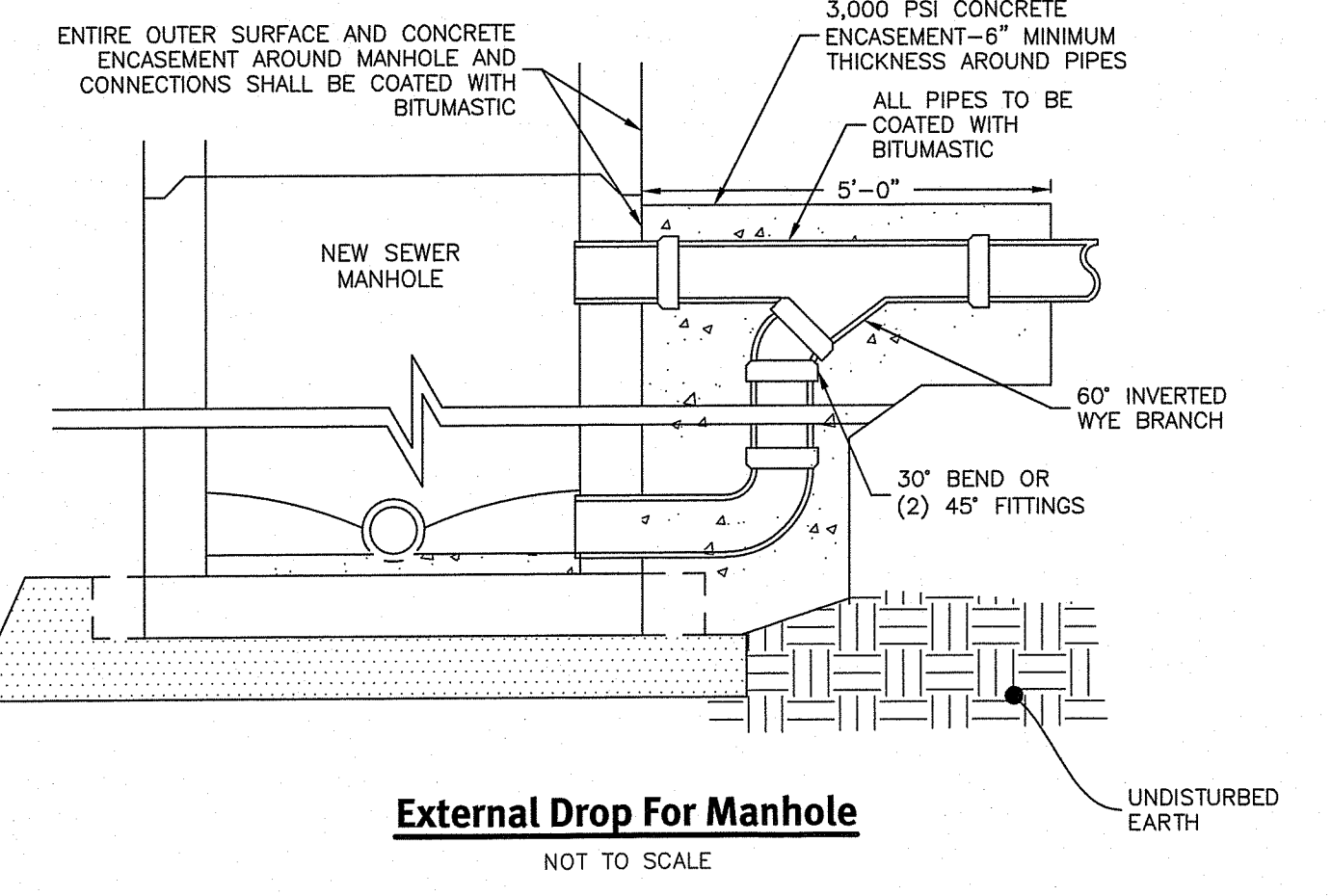
Sewer Manhole
NOT TO SCALE



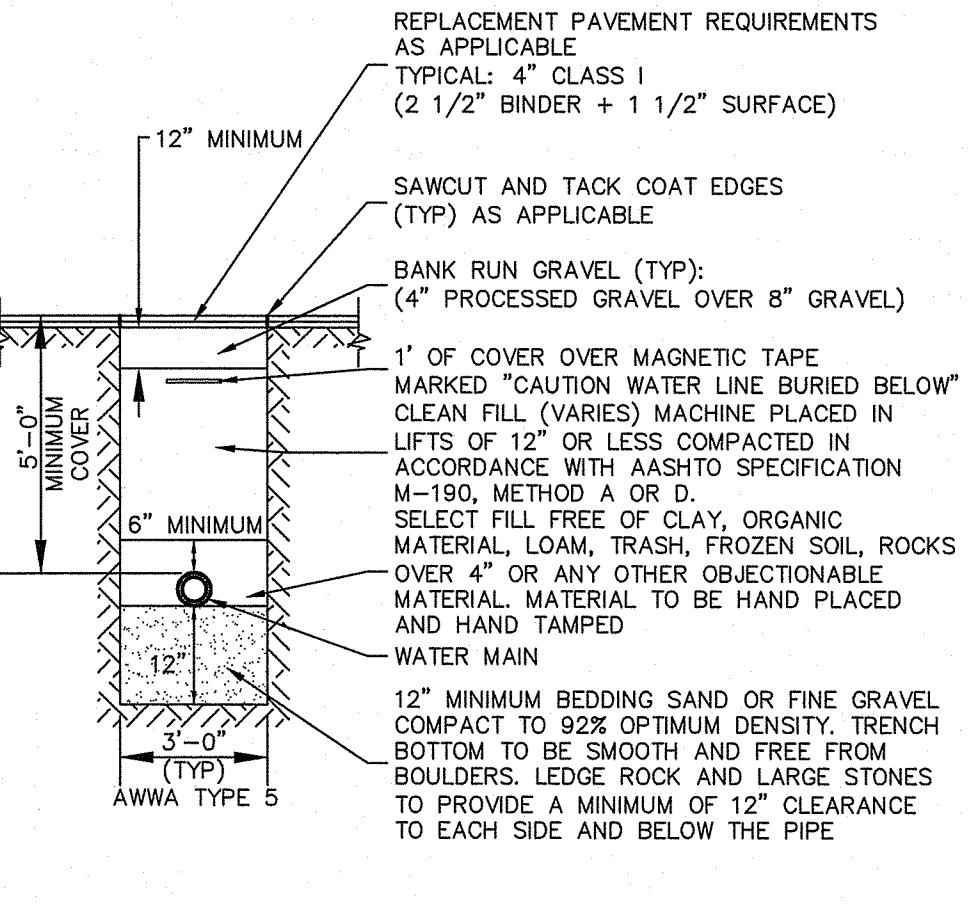
Typical Retaining Wall Section
NOT TO SCALE



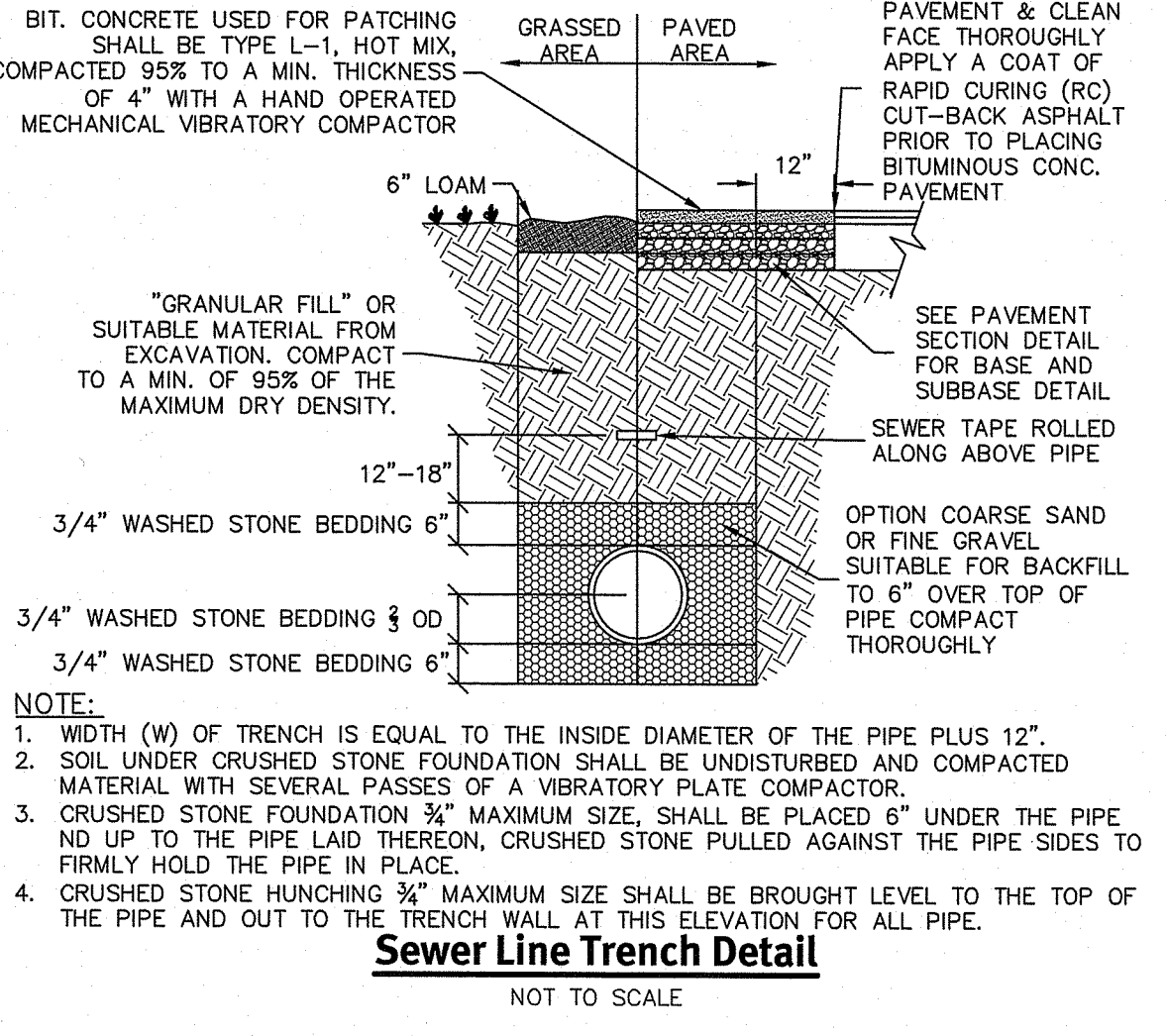
Typical Accessible Parking Spaces
NOT TO SCALE



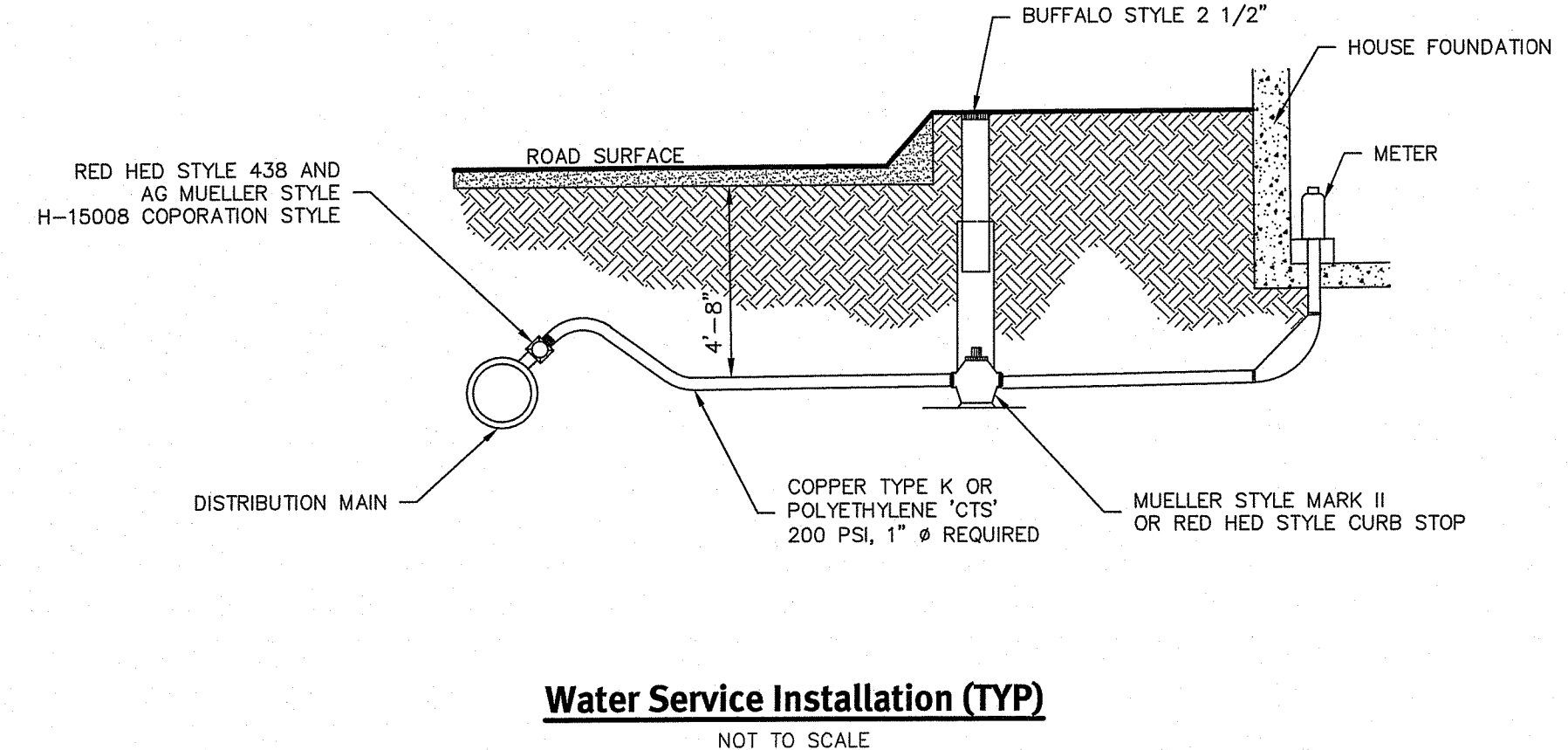
External Drop For Manhole
NOT TO SCALE



Water Trench Detail
NOT TO SCALE

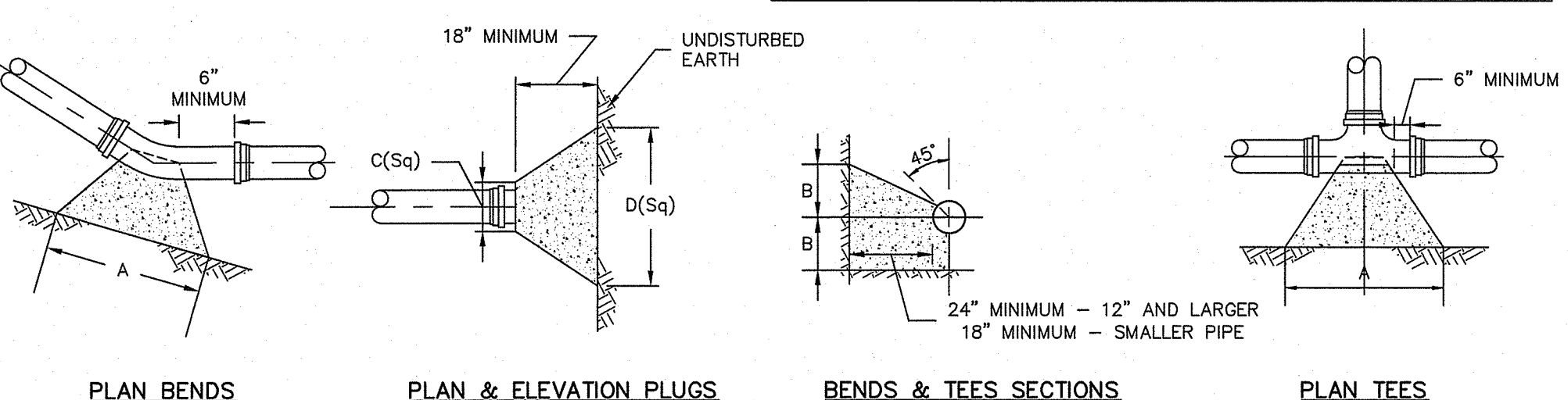


Sewer Line Trench Detail
NOT TO SCALE



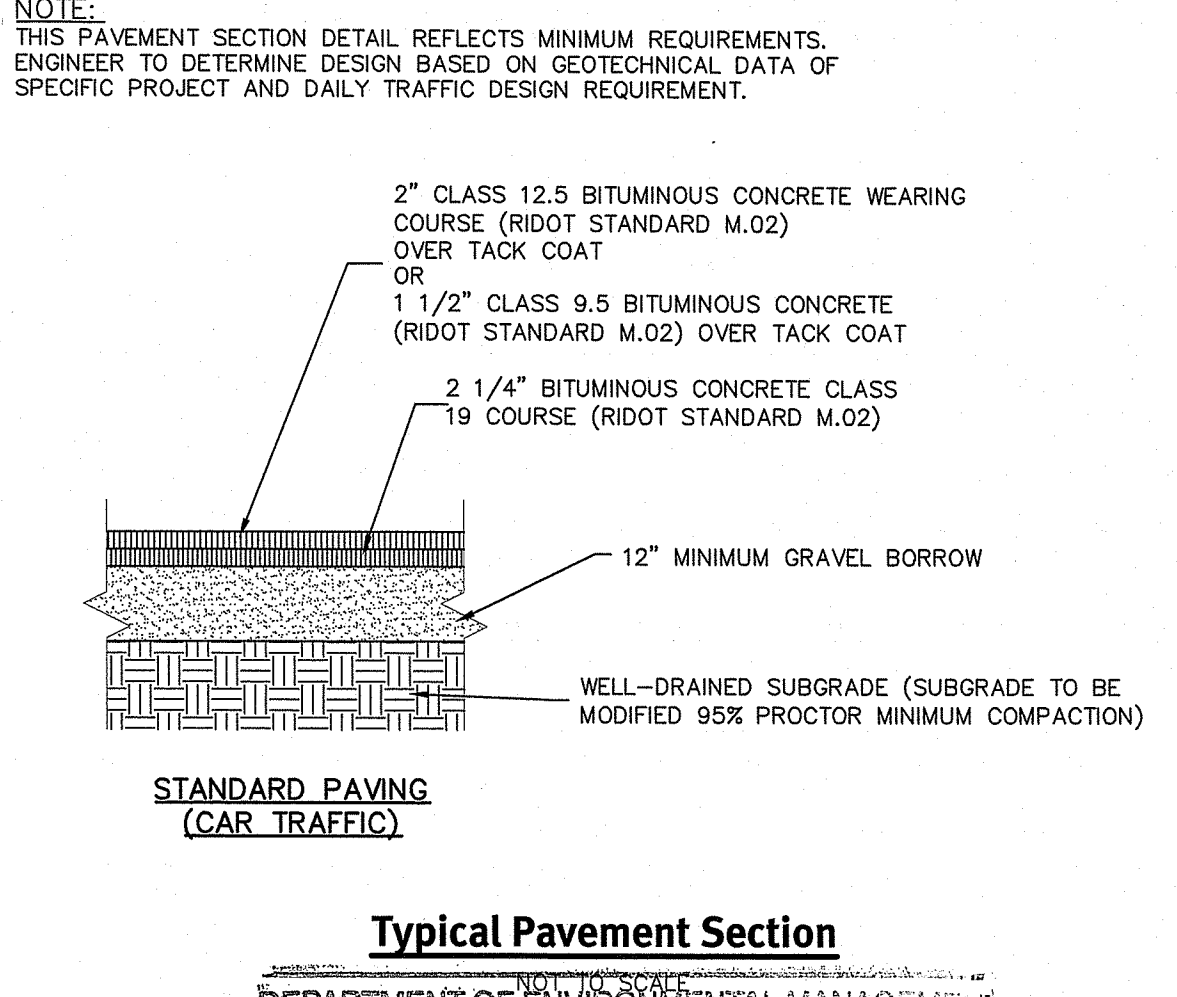
Water Service Installation (TYP)
NOT TO SCALE

- NOTES:**
1. ALL CONCRETE SHALL BE 4,000 P.S.I. @ 28 DAYS
 2. CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH
 3. FORMS TO BE USED AS NECESSARY
 4. ALL BOLTS AND NUTS TO BE PROTECTED FROM CONCRETE AND EASILY ACCESSIBLE WHEN THRUST BLOCK INSTALLED
 5. REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF RHODE ISLAND SHALL VERIFY CALCULATIONS DURING DESIGN TO MEET CONDITIONS OF PROJECT.



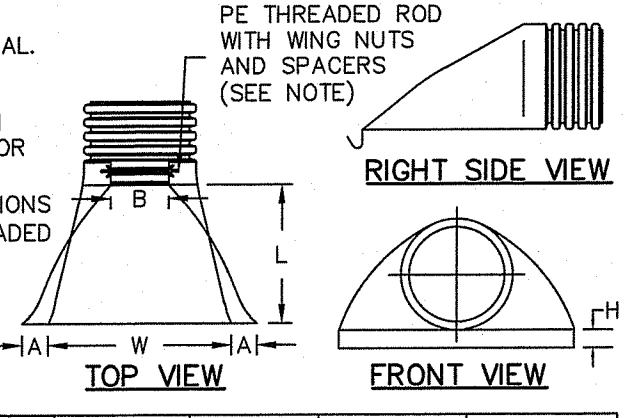
Thrust Block
NOT TO SCALE

SIZE	TEES			PLUGS			90° BEND		45° BEND		22.5° BEND		11.25° BEND	
	A	B	C	D	A	B	A	B	A	B	A	B	A	B
6"	20"	10"	10"	21"	24"	12"	18"	9"	13"	7"	9"	5"	6"	6"
8"	26"	13"	12"	26"	32"	16"	24"	12"	17"	9"	12"	6"	8"	8"
10"	34"	17"	14"	34"	40"	20"	30"	15"	22"	11"	15"	8"	10"	10"
12"	41"	20"	16"	41"	48"	24"	35"	18"	25"	13"	18"	9"	12"	12"
16"	54"	27"	20"	54"	64"	32"	47"	23"	34"	17"	24"	12"	16"	16"



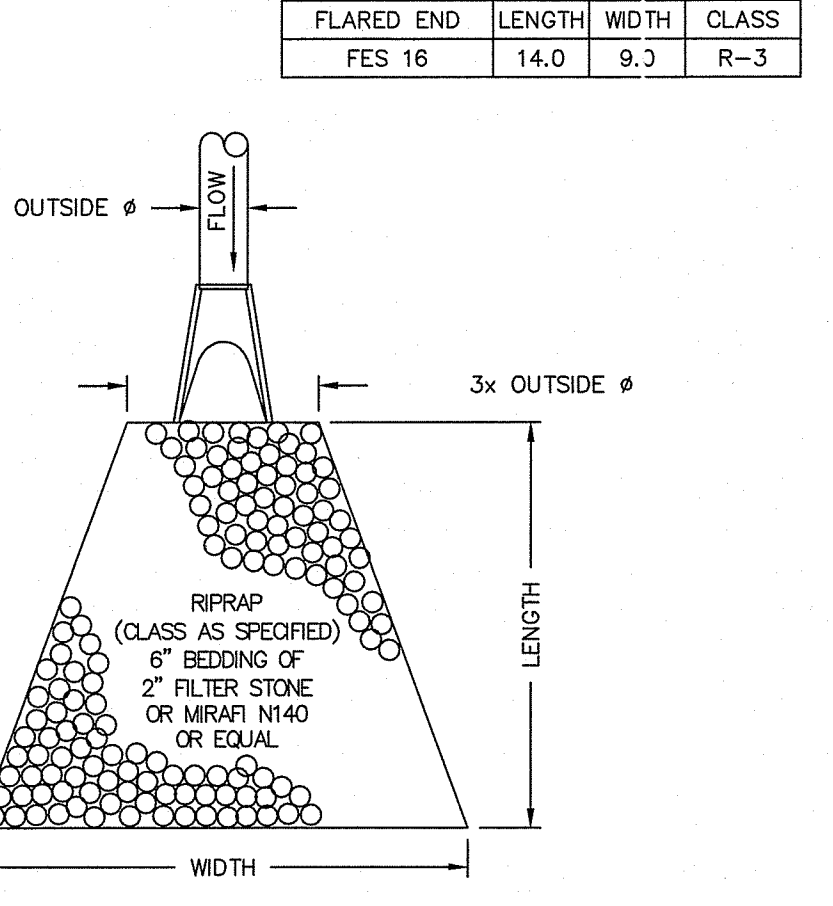
Typical Pavement Section
NOT TO SCALE

- NOTE:**
1. ADS OR APPROVED EQUAL.
 2. ALL DIMENSIONS ARE NOMINAL.
 3. PE THREADED ROD WITH WING NUTS PROVIDED FOR END SECTIONS 12"-24".
 4. 30" AND 36" END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLY.



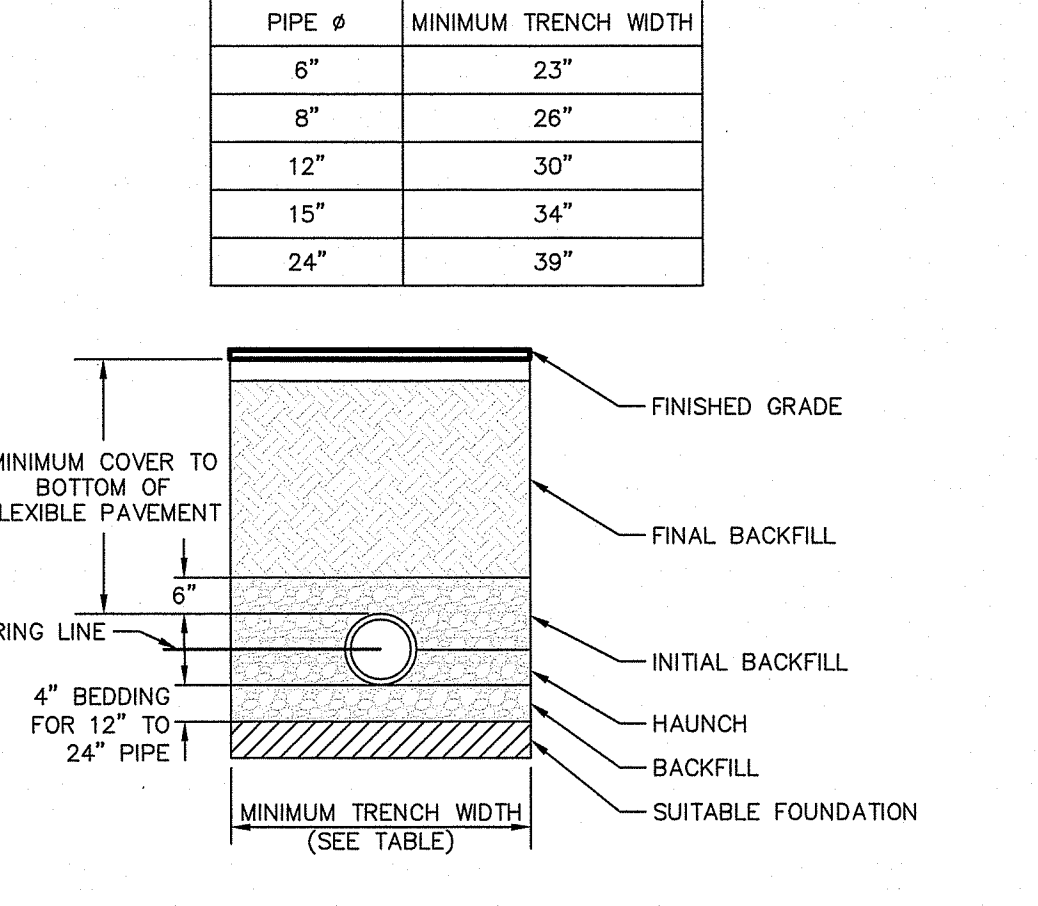
HDPE Flared End Section
NOT TO SCALE

PART #	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 IN (300 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1510NP	15 IN (375 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1810 NP	18 IN (450 MM)	7.50 IN (191 MM)	15 IN (381 MM)	6.50 IN (165 MM)	32 IN (813 MM)	35 IN (889 MM)
2410NP	24 IN (600 MM)	7.50 IN (191 MM)	18 IN (457 MM)	6.50 IN (165 MM)	36 IN (914 MM)	45 IN (1143 MM)
3015NP	30 IN (750 MM)	7.50 IN (191 MM)	12 IN (305 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600MM)
3615NP	36 IN (900 MM)	7.50 IN (191 MM)	25 IN (635 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600 MM)

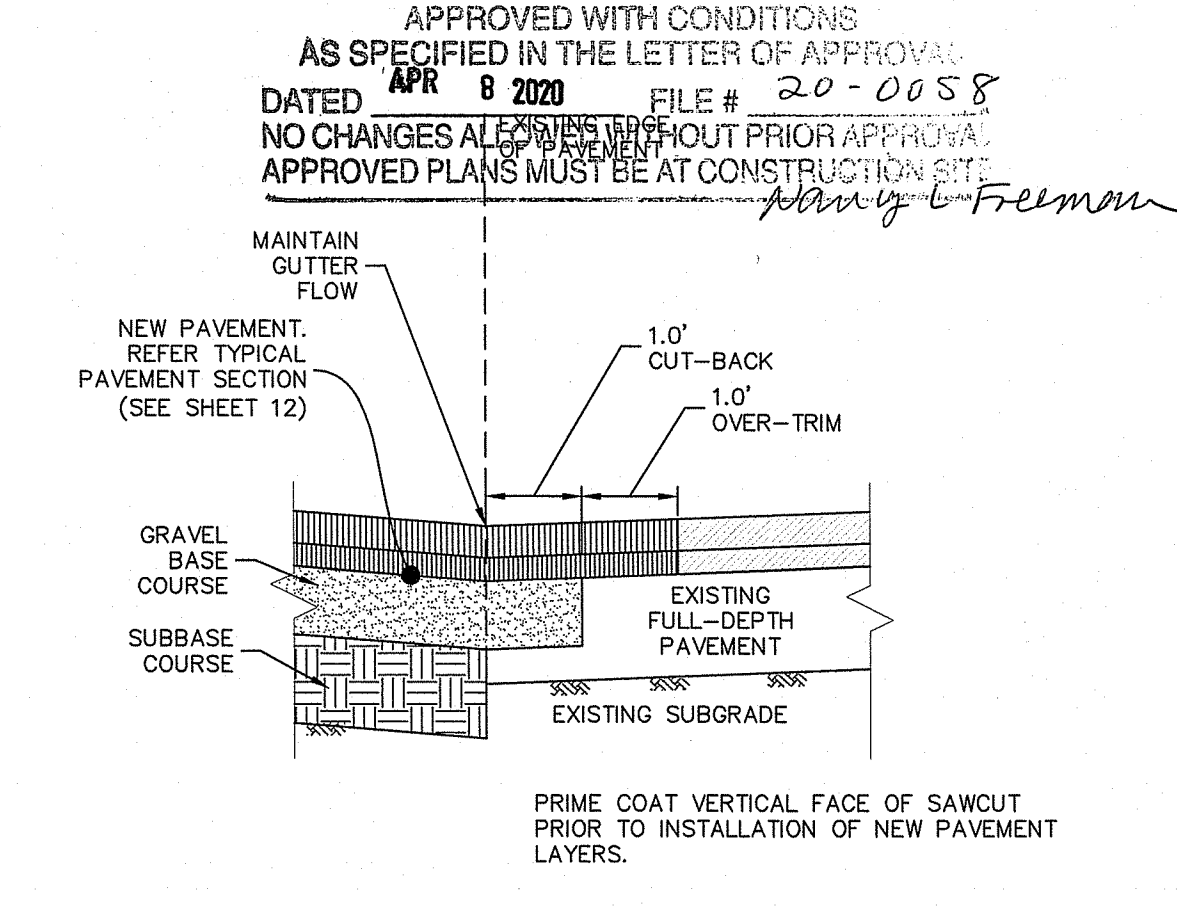


Riprap Apron/ FE Detail
NOT TO SCALE

- INSTALLATION NOTES:**
1. 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.
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 3. 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.
 4. 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).
 5. 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.
 6. 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" PIPE AND 24" OF COVER FOR 54"-80" PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.



HDPE Trench Detail
NOT TO SCALE



Pavement Tie-In Detail
NOT TO SCALE

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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.

Existing utilities shown on this plan are approximate only. Diprete Engineering does not warrant the accuracy of existing utility locations of existing utilities. See 'Utility Note' on sheet 3.

No.	Date	Description	By	Check
1	03/29/2020	ISSUE FOR CONSTRUCTION	N.M.P.	N.M.P.

Design By: N.M.P.

Detail Sheet - 2

Self Storage Facility

Assessor's Plat 107, Lot 801
Tiverton, Rhode Island 02878

Prepared for
Advantage Development Group, LLC
266 East Jericho Turnpike
South Huntington, NY 11746

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