

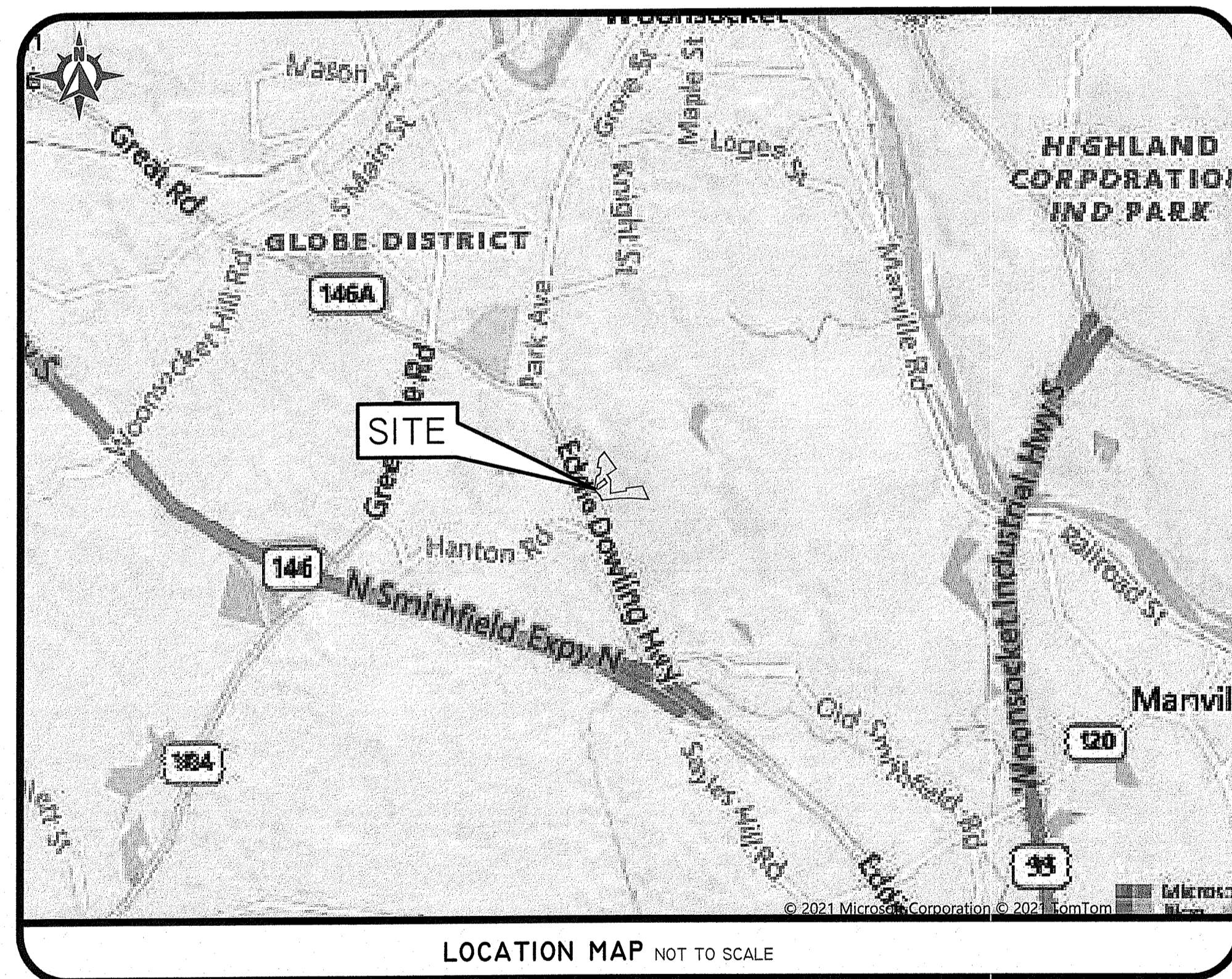
PRELIMINARY DETERMINATION SUBMISSION

OLD LOUISQUISSET CONDOS

OLD LOUISQUISSET PIKE

NORTH SMITHFIELD, RHODE ISLAND

ASSESSOR'S PLAT 13 LOTS III, 123, & 143

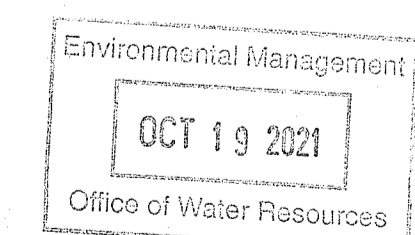


SHEET LIST TABLE

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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 JAN 19 2022 FILE # 21-0155
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Dorothy L. Freeman



SESC / O&M
 THE SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC) AND STORMWATER OPERATION AND MAINTENANCE PLAN (O&M) ARE REQUIRED DOCUMENTS WITH THIS PLAN SET AND MUST BE MAINTAINED BY THE CONTRACTOR AND OWNER ON SITE.

DiPrete Engineering

Two Stafford Court Cranston, RI 02920
 tel 401-943-1000 fax 401-464-6006 www.diprete-eng.com

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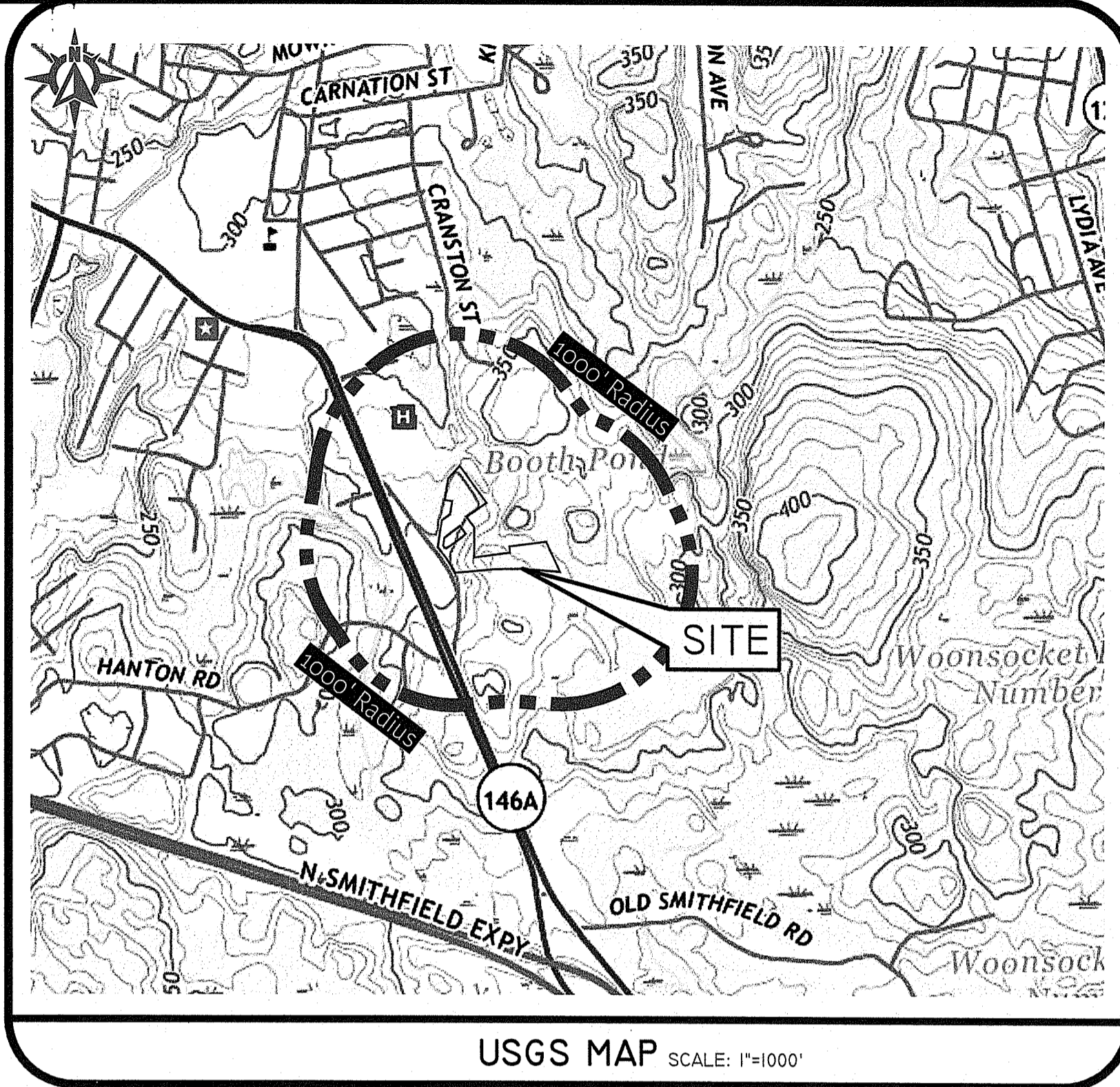
JASON P. CLOUGH
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED, ISSUED FOR CONSTRUCTION AND STAMPED BY ENGINEERING.
 DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. NETWORK, SAFETY, PRECAUTIONS AND REQUIREMENTS, AND OSHA COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND CONSTRUCTION.
 EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES. SEE UTILITY NOTES ON SHEET 3.

NO.	DATE	DESCRIPTION	DESIGN BY	BY
1	01-15-2022	PRELIMINARY DETERMINATION SUBMISSION	N.D.K.	N.D.K.
2	5-27-2022	DESIGN	N.D.K.	N.D.K.

COVER SHEET
 OLD LOUISQUISSET CONDOS
 ASSESSOR'S PLAT 13 LOTS III, 123, & 143
 NORTH SMITHFIELD, RHODE ISLAND
 PREPARED FOR:
 BB/WW PROPERTIES LLC c/o BRIAN BUCCI
 P.O. BOX 6187, WARWICK, RHODE ISLAND 02887

Z:\BCH\PROJECTS\1817-00-412 OLD LOUISQUISSET CONDOS\AUTOCAD DRAWINGS\1817-00-412-CAR-DWG.PLT 01/19/2021



RI Environmental Management
OCT 19 2021
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 JAN 19 2022 FILE # 21-0155
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

PHOTO OBTAINED FROM NEARMAP.
DATE OF PHOTOGRAPHY 8/9/2019.
SCALE: 1"=300'
0 150' 300' 600'

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

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

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS APPROVED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
DIPRETE ENGINEERING ONLY WARRANTS PLANS ONLY AS PREPARED BY DIPRETE ENGINEERING. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PARTY.
THE DESIGNER HAS CONDUCTED VISUAL SURVEYS AND FIELD INVESTIGATIONS TO VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THIS PLAN AND APPROXIMATE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE LOCATION AND DEPTH OF EXISTING UTILITIES.
SEE UTILITY NOTE ON SHEET 2.

NO.	DATE	DESCRIPTION	DESIGNER	BY:
1	10-05-2021	PRELIMINARY SUBMISSION	N.D.K.	
2	5-27-2021	PERMITS DETERMINATION SUBMISSION	N.D.K.	
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AERIAL HALF-MILE RADIUS
OLD LOUISQUISSET CONDOS
ASSESSOR'S PLAT 13, LOTS III, 123, & 143
NORTH SMITHFIELD, RHODE ISLAND
PREPARED FOR:
BB/WW PROPERTIES LLC c/o BRIAN BUCCI
P.O. BOX 6187, WARWICK, RHODE ISLAND 02887
DE 008 00 001-943-1000 COPYRIGHT 2021 BY DIPRETE ENGINEERING ASSOCIATES, INC.

GENERAL NOTES:

- 1. THE SITE IS LOCATED ON THE TOWN OF NORTH SMITHFIELD ASSESSOR'S PLAT 13 LOTS III, 123, & 143.
2. THE SITE IS APPROXIMATELY 5.98± ACRES AND IS ZONED BH.
3. THE OWNER OF AP 13 LOTS III, 123, & 143 IS:
BB/WV PROPERTIES LLC C/O BRIAN BUCCI
P.O. BOX 6187
WARWICK, RI 02887
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (UNSHADED). REFERENCE FEA FLOOD INSURANCE RATE MAP 44007C01576, MAP REVISED MARCH 2, 2009. (FLOOD PLAN 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 THE ENGINEERING PLAN SET DEPICTS THE RESULTS OF A CLASS I BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY DIPRETE ENGINEERING ASSOCIATES, INC. THIS PLAN IS NOT TO BE CONSIDERED 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 NORTH SMITHFIELD 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 WITHIN A:
NATURAL HERITAGE AREAS (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:
• EROSION CONTROL MEASURES
• SHORT TERM MAINTENANCE
• ESTABLISHMENT OF VEGETATIVE COVER
• CONSTRUCTION POLLUTION PREVENTION
• SEQUENCE OF CONSTRUCTION
• STORMWATER OPERATION AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS:
• LONG TERM MAINTENANCE
• 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 NORTH SMITHFIELD SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS, CULVERTS, UNDERGROUND INFILTRATION BASIN AND ABOVE GROUND INFILTRATION BASIN. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RIDEM BEST MANAGEMENT PRACTICES.
13. THE SITE IS PROPOSED TO BE BUILT IN (I) PHASE.
14. SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON FEBRUARY 3, 2020 & APRIL 8, 2021.
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, ANY OR THEIR ASSOCIATED SPECIFICATIONS, ANY REFERENCED OR REFERENCED 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/OR 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:

(REFERENCE: SOIL MAPPING OBTAINED FROM RIGIS. SOIL GEOGRAPHIC DATA DEVELOPED BY THE RHODE ISLAND SOIL SURVEY PROGRAM IN PARTNERSHIP WITH THE NATIONAL COOPERATIVE SOIL SURVEY)

Table with 2 columns: Soil Name Description and Slope. Rows include 'Cec CANTON AND CHARLTON FINE SANDY LOAMS, VERY ROCKY, 3 TO 15 PERCENT SLOPES' and 'Rf RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS'.

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 OVERLAP. 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 CERTIFIED 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.

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, (RIESC) HANDBOOK AND THE SOIL EROSION & SEDIMENTATION CONTROL PLANS). NOTE THE SOIL EROSION AND SEDIMENT CONTROL SHOWN ON THESE PLANS ARE THE MINIMUM QUANTITY/TYPE OF EROSION CONTROL DEVICES AND MATERIALS DEEMED REQUIRED BY DIPRETE ENGINEERING TO MEET THE OBJECTIVES OF THE RIESC HANDBOOK, BUT IS CONSIDERED A GUIDE ONLY. ADDITIONAL MEASURES/ALTERNATE CONFIGURATIONS MAY BE REQUIRED IN ORDER TO MEET THE RIESC 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 SITE WORKS. 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, TO BE PER THE DESIGN PLANS.
4. INLET PROTECTION IS TO BE INSTALLED ON ALL CATCH BASINS ONCE CONSTRUCTED.
5. FOR SEQUENCE OF CONSTRUCTION, PROJECT PHASING AND CONSTRUCTION PHASING SEE SESC PLAN.
6. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER AND OWNER.
7. IF CONCRETE TRUCKS ARE WASHED OUT ON SITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.

DEMOLITION NOTES:

- 1. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCE DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE DUST.
3. ANY EXISTING BUILDINGS(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.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (RSD) ALL MATERIALS INDICATED ON THE PLANS UNLESS SPECIFIED OTHERWISE HERE IN. RSD 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.
5. 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.
6. 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 TESTS. COPIES OF LOCATION DOCUMENTATION MUST BE PROVIDED TO THE OWNER FOLLOWING DEMOLITION AND PRIOR TO START OF NEW CONSTRUCTION. A MARKER MUST BE INSTALLED TO FINISH GROUND AT ALL INSTALLED CAPS/PLUGS. THE MARKER CAN BE A POST IN CONSTRUCTION AREAS OR PAINTED ON A PERMANENT SURFACE.
7. ACTIVE UTILITY LINES AND STRUCTURES NOT SPECIFICALLY NOTED ON PLANS, BUT WHICH ARE ENCOUNTERED TO BE IN CONFLICT WITH THE PROPOSED WORK, MUST BE EXTENDED, PROTECTED, OR REWORKED BY THE CONTRACTOR AS DIRECTED OR REQUIRED BY THE UTILITY ENTITY OR OWNER UNLESS OTHERWISE NOTED.
8. CONTRACTOR MUST COORDINATE THE CUTTING AND CAPPING OF ALL UTILITIES WITH THE OWNER, THE MUNICIPALITY, AND ALL APPLICABLE UTILITY ENTITIES HAVING JURISDICTION.
9. INACTIVE SUBSURFACE UTILITIES NOT IN CONFLICT WITH THE PROPOSED WORK AREA MAY BE ABANDONED IN PLACE WITH WRITTEN PERMISSION FROM THE OWNER.

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.

AS-BUILT NOTES:

ALL COMPONENTS OF THE DRAINAGE, SEWER, AND WATER SYSTEMS MUST BE FIELD LOCATED PRIOR TO COVERING. NOTIFY SURVEYOR A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE OF NEED FOR FIELD LOCATION OF IMPROVEMENTS. SURVEYOR TO PROVIDE OWNER AND CONTRACTOR WITH WRITTEN NOTICE OF COMPLETION OF FIELD WORK PRIOR TO CONTRACTOR COVERING IMPROVEMENTS. OWNER/DIPRETE WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.

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 PRECAST CONCRETE LABELED ON THE PLANS.
3. SIDEWALK TO BE CONCRETE 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 5.4.1.7 OF THE AASHTO ROADSIDE DESIGN GUIDE. ALTERNATIVE GUARDRAILS WILL BE CONSIDERED BY THE DESIGN ENGINEER IF THEY ARE DOT APPROVED EQUAL AND ACCEPTABLE TO THE OWNER. ALTERNATIVES MUST BE PROVIDED IN WRITING BY THE OWNER AND DESIGN ENGINEER PRIOR TO CONSTRUCTION.
9. INFRARED TREATMENT OF PAVEMENT IS REQUIRED AT ALL CURB CUTS, ANY DISTURBED PAVEMENT ON ROADWAYS AND WHERE A NEW PAVEMENT MEETS EXISTING PAVEMENT.
10. ALL EXISTING STRIPS REMOVED AS INCIDENTAL DURING CONSTRUCTION MUST BE REPLACED IN-KIND FOLLOWING COMPLETION OF CONSTRUCTION UNLESS OTHERWISE NOTED.
11. NEW PAVEMENT STRIPING MUST BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248 TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER.

GRADING AND UTILITY NOTES:

- 1. CONSTRUCTION TO COMMENCE FALL 2021 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 RHODE ISLAND LICENSED PROFESSIONAL ENGINEER SUITABLY QUALIFIED IN GEOTECHNICAL ENGINEERING 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. ALL STOCKPILED LOAM MUST BE REUSED ON-SITE.
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 6" CONCRETE CURBING. SITE GRADING/CONTOURS SHOWN ON THE PLANS DO AND CONSTRUCTION TO MINIMIZE DUST. CONTRACTOR TO INSTALL CONTRACTOR TO INSTALL CURBING WITH APPROPRIATE REVEAL UNLESS OTHERWISE NOTED.
12. NO STUMP DUMPS ARE PROPOSED ON SITE.
13. ALL DRAINAGE OUTFALLS ARE DESIGNED TO BE INSTALLED AT EXISTING GROUND ELEVATION. CONTRACTOR MUST NOTIFY THE DIPRETE ENGINEERING OF ANY DISCREPANCIES WHERE EXISTING GROUND IS HIGHER THAN OUTFALL DESIGN ELEVATION IMMEDIATELY. ANY RESOLUTION OF DISCREPANCIES BY THE CONTRACTOR, UNLESS AUTHORIZED IN WRITING IN ADVANCE BY THE OWNER AND DIPRETE ENGINEERING, IS DONE AT THE CONTRACTOR'S RISK.
14. CONTRACTOR MUST PROVIDE SAW CUTTING AND FULL DEPTH PAVEMENT RESTORATION IN AREAS WHERE PAVEMENT AND/OR SIDEWALK IS REMOVED FOR UTILITY INSTALLATION.
15. IF ROADWAY SURFACE PAVEMENT COURSE IS NOT TO BE INSTALLED FOR 12 MONTHS OR MORE AFTER INSTALLATION OF DRAINAGE STRUCTURES, ALL CATCH BASIN RIMS ARE TO BE SET AT BINDER GRADE AND RAISED TO FINAL PAVEMENT GRADE PRIOR TO PLACEMENT OF SURFACE COURSE.
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 ALONG CURBING TO BE RIDOT STD. 4.4.0, TYPE F FRAME, 4' DIAMETER WITH APRON STONE.
• CATCH BASINS NOT ALONG CURBING TO BE RIDOT STD 4.4.0, 4' DIAMETER
• CATCH BASINS TO HAVE 3" SUMP WITHOUT WEEPHOLES.
• SINGLE FRAME CATCHBASIN GRATES TO BE RIDOT STD. 6.3.2
• DOUBLE FRAME CATCHBASIN GRATES TO BE RIDOT STD. 6.3.2
• 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
• DROP INLETS TO BE RIDOT STD. 4.4.0, 4.4.1, 4.5.1 OR 4.5.2.
• HEADWALLS TO BE RIDOT STD 2.1.0.

- 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 THE 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 NORTH SMITHFIELD SEWER AND WATER DEPARTMENT 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.
ALL PIPES BUILDING TO GREASE TRAP/INTERCEPTOR AND FROM GREASE TRAP/INTERCEPTOR TO THE NEXT STRUCTURE MUST BE CAST IRON AND IN ACCORDANCE WITH 284CR.

WATER
ALL WATER MAINS TO BE CONCRETE LINED DUCTILE IRON PIPE (CLDIP). ALL WATER MAIN IMPROVEMENTS MUST COMPLY WITH THE WOODSCKET WATER 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 WOODSCKET WATER REQUIREMENTS. ALL COMPONENTS OF THE WATER SYSTEM TO BE INSPECTED BY WOODSCKET WATER. CONTRACTOR TO COORDINATE ALL IMPROVEMENTS WITH WOODSCKET WATER DIVISION TO ENSURE INSPECTOR IS ON SITE.

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, FILL BOXES, CONCRETE PADS, CONCRETE ENGASMENTS 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 (TEMPORARY AND PERMANENT) MUST BE DIRECTED AWAY FROM AND SHIELDED FROM ENVIRONMENTALLY SENSITIVE AREAS AND ABUTTING 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.
LIC 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 DOWNS & OTHER GROUNDWATER DISCHARGE SYSTEMS
7. 25 FEET FROM ALL BUILDINGS(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

ABBREVIATIONS LEGEND

Table mapping abbreviations to full names. Includes: ADA AMERICANS WITH DISABILITY ACT, AHJ AUTHORITY HAVING JURISDICTION, AP ASSESSOR'S PLAT, ARCH ARCHITECT, BC BOTTOM OF CURB, BT BOTTOM OF TRESTHOLE, BIT BITUMINOUS (BERM), BTO BIOTRENTION, R&D REMOVE AND DISPOSE, RCP REINFORCED CONCRETE PIPE, RHIB RHODE ISLAND HIGHWAY BOUND, CB CATCH BASIN, CAL CALCULATED, RL ROOF LEADER, ROW RIGHT-OF-WAY, S SLOPE, SD SUBDRAIN, SED SEDIMENT FOREBAY, SF SQUARE FOOT, SFL STATE FREEWAY LINE, SFM SEWER FORCE MAIN, SG SLAB ON GRADE ELEVATION, SHL STATE HIGHWAY LINE, SMH SEWER MANHOLE, SNDF SAND FILTER, EOP EDGE OF PAVEMENT, ESC EROSION AND SEDIMENT CONTROL, EX EXISTING, FES FLARED END SECTION, FF FINISH FLOOR ELEVATION, GFS GARAGE SLAB ELEVATION, GWT GROUND WATER TABLE, HW HEADWALL, HC HIGH CAPACITY CATCH BASIN GRATE, HDPE HIGH DENSITY POLYETHYLENE, ID INLINE DRAIN, INV INVERT, IP INFILTRATION POND, LARCH LANDSCAPE ARCHITECT, LF LINEAL FEET, LOD LIMIT OF DISTURBANCE, LP LIGHT POLE, (M) MEASURED, MEP MECHANICAL/ELECTRICAL/PLUMBING ENGINEER, N/F NOW OR FORMERLY, OHW OVERHEAD WIRE, PE POLYETHYLENE, P PROPERTY LINE, PRO PROPOSED, PVC POLYVINYL CHLORIDE, R RADIUS, R&D REMOVE AND DISPOSE, RCP REINFORCED CONCRETE PIPE, RHIB RHODE ISLAND HIGHWAY BOUND, CB CATCH BASIN, CAL CALCULATED, RL ROOF LEADER, ROW RIGHT-OF-WAY, S SLOPE, SD SUBDRAIN, SED SEDIMENT FOREBAY, SF SQUARE FOOT, SFL STATE FREEWAY LINE, SFM SEWER FORCE MAIN, SG SLAB ON GRADE ELEVATION, SHL STATE HIGHWAY LINE, SMH SEWER MANHOLE, SNDF SAND FILTER, EOP EDGE OF PAVEMENT, ESC EROSION AND SEDIMENT CONTROL, EX EXISTING, FES FLARED END SECTION, FF FINISH FLOOR ELEVATION, GFS GARAGE SLAB ELEVATION, GWT GROUND WATER TABLE, HW HEADWALL, HC HIGH CAPACITY CATCH BASIN GRATE, HDPE HIGH DENSITY POLYETHYLENE, ID INLINE DRAIN, INV INVERT, IP INFILTRATION POND, LARCH LANDSCAPE ARCHITECT, LF LINEAL FEET, LOD LIMIT OF DISTURBANCE, LP LIGHT POLE, (M) MEASURED, MEP MECHANICAL/ELECTRICAL/PLUMBING ENGINEER.

EXISTING LEGEND

Table mapping existing features to symbols. 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, SEWER FORCE MAIN, GAS LINE, ELECTRIC LINE, OVERHEAD WIRES, DRAINAGE LINE, SOILS LINES, 100' PERIMETER WETLAND, 200' RIVERBANK WETLAND, TRANSITION, TOP OF WALL (FINISHED), GRADE AT TOP OF WALL, TYP TYPICAL, UDS UNDERGROUND, DETENTION SYSTEM, UNDERGROUND, INFILTRATION SYSTEM, UTILITY POLE, WALKOUT ELEVATION, WATER QUALITY, NAIL FOUND/SET, DRILL HOLE FOUND/SET, BOUND FOUND/SET, SIGN, SOIL EVALUATION, CATCH BASIN, DOUBLE CATCH BASIN, DRAINAGE MANHOLE, FLARED END SECTION, GUY POLE, ELECTRIC MANHOLE, UP UTILITY/POWER POLE, LIGHTPOST, SEWER/SEPTIC MANHOLE, SEWER VALVE, CLEANOUT, HYDRANT, IRRIGATION VALVE, WATER VALVE, WELL, MONITORING WELL, UNKNOWN MANHOLE, GAS VALVE, BENCH MARK, STREAM FLOW DIRECTION, WETLAND LINE & FLAG, STATE HIGHWAY LINE, STATE FREEWAY LINE, GROUNDWATER OVERLAY, GROUNDWATER RECHARGE AREA, GROUNDWATER RESERVOIR, NATURAL HERITAGE, COMMUNITY WELLHEAD PROTECTION, NON-COMMUNITY WELLHEAD PROTECTION.

PROPOSED LEGEND

Table mapping proposed features to symbols. Includes: PROPERTY LINE, BUILDING SETBACKS, CHAINLINK FENCE, GUARDRAIL SEE LAYOUT AND MANHOLES NOTE 8, RETAINING WALL, MINOR CONTOUR LINE, MAJOR CONTOUR LINE, SOIL 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, DRAINAGE LINE, 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 5:1 (21% OR ILI SLOPES), UNDERGROUND INFILTRATION OUTLINE, POND ACCESS, RIPRAP, SAND FILTER, BIO RETENTION, CATCH BASIN, DOUBLE CATCH BASIN, MANHOLE, FLARED END SECTION, HEADWALL.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 19 2022 FILE # 21-0155
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy J. Freeman

SITE CALLOUTS LEGEND

Table mapping site callouts to descriptions. Includes: 7.1.0 RIDOT STD PRECAST CONCRETE CURB, 7.1.1 RIDOT STD 3' PRECAST CONCRETE TRANSITION CURB, 7.5.1 RIDOT STD BITUMINOUS ASPHALT BERM, 7.1.8 RIDOT STD PRECAST CONCRETE APRON STONE, 7.1.2 RIDOT STD 6' PRECAST CONCRETE TRANSITION CURB, 20.1.0 PAVEMENT MARKINGS ARROWS AND ONLY, 4DY 4" EPOXY RESIN PAVEMENT MARKINGS- DOUBLE YELLOW, 4W 4" PAINTED WHITE MARKINGS, 4W4S 4" WHITE STRIPING 2" ON CENTER AT 45°, 6WS 6" WHITE EPOXY RESIN PAVEMENT MARKINGS-SKIP PATTERN, 6W 6" WHITE EPOXY RESIN PAVEMENT MARKINGS, 12W STOP LINE (REFERENCE MUTCD SECTION 3B.16), ADAS ADA SPACE PAVEMENT MARKINGS MUST COMPLY WITH ALL ADA AND MUTCD REGULATIONS AND REQUIREMENTS, ADAR ADA CURB RAMP MUST COMPLY WITH ALL ADA REGULATIONS AND REQUIREMENTS, ADAY VAN ADA SPACE PAVEMENT MARKINGS MUST COMPLY WITH ALL ADA AND MUTCD REGULATIONS AND REQUIREMENTS, CWK CROSSWALK PAVEMENT MARKINGS, SOLUTION 2' WHITE LINES SPACED 4" OC (REFERENCE MUTCD SECTION 3B.18), YL YIELD LINE (REFERENCE MUTCD SECTION 3B.16).

NOTE: THIS PLAN SET MUST BE REPRODUCED IN COLOR

UTILITY NOTE:

ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS WERE PROVIDED BY OTHERS AND ARE APPROXIMATE ONLY. LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATION, BLASTING, UTILITY INSTALLATION, BACKFILLING, GRADING, PAVING, RESTORATION, AND ALL OTHER SITE WORK. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THESE DOCUMENTS. CONTACT DIG SAFE A MINIMUM OF 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 811. DIG SAFE IS RESPONSIBLE FOR CONTACTING MEMBER UTILITY COMPANIES. DIG SAFE MEMBER UTILITY COMPANIES ARE RESPONSIBLE TO MARK ONLY THE FACILITIES THAT THEY OWN OR MAINTAIN. NON DIG SAFE MEMBER COMPANIES ARE NOT NOTIFIED BY DIG SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFY IF ANY PRIVATELY OWNED OR NON DIG SAFE MEMBER UTILITIES ARE IN THE AREA.

PER THE CODE OF FEDERAL REGULATIONS - TITLE 29, PART 1926 IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE UNDERGROUND UTILITY LINE LOCATIONS FROM THE UTILITY COMPANIES, UTILITY OWNERS AND, OR VIA UNDERGROUND UTILITY LOCATION EQUIPMENT AS NECESSARY TO ESTABLISH ACCURATE LOCATIONS PRIOR TO ANY EXCAVATION. THE USE OF PROFESSIONAL UTILITY LOCATING COMPANIES PRIOR TO ANY EXCAVATION IS RECOMMENDED.
DIPRETE ENGINEERING IS NOT A PROFESSIONAL UTILITY LOCATION COMPANY, AND IS NOT RESPONSIBLE FOR UNDERGROUND UTILITIES, DEPICTED OR NOT, EITHER IN SERVICE OR ABANDONED, ANY SIZES. LOCATIONS, EXISTENCE, OR LACK OF EXISTENCE OF UTILITIES SHOWN ON THESE PLANS SHOULD BE CONSIDERED APPROXIMATE UNTIL VERIFIED BY A PROFESSIONAL UTILITY LOCATION COMPANY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED.

DiPrete Engineering
Two Stafford Court Cranston, RI 02930
Tel: 401-943-1000 Fax: 401-464-6006 www.diprete-eng.com

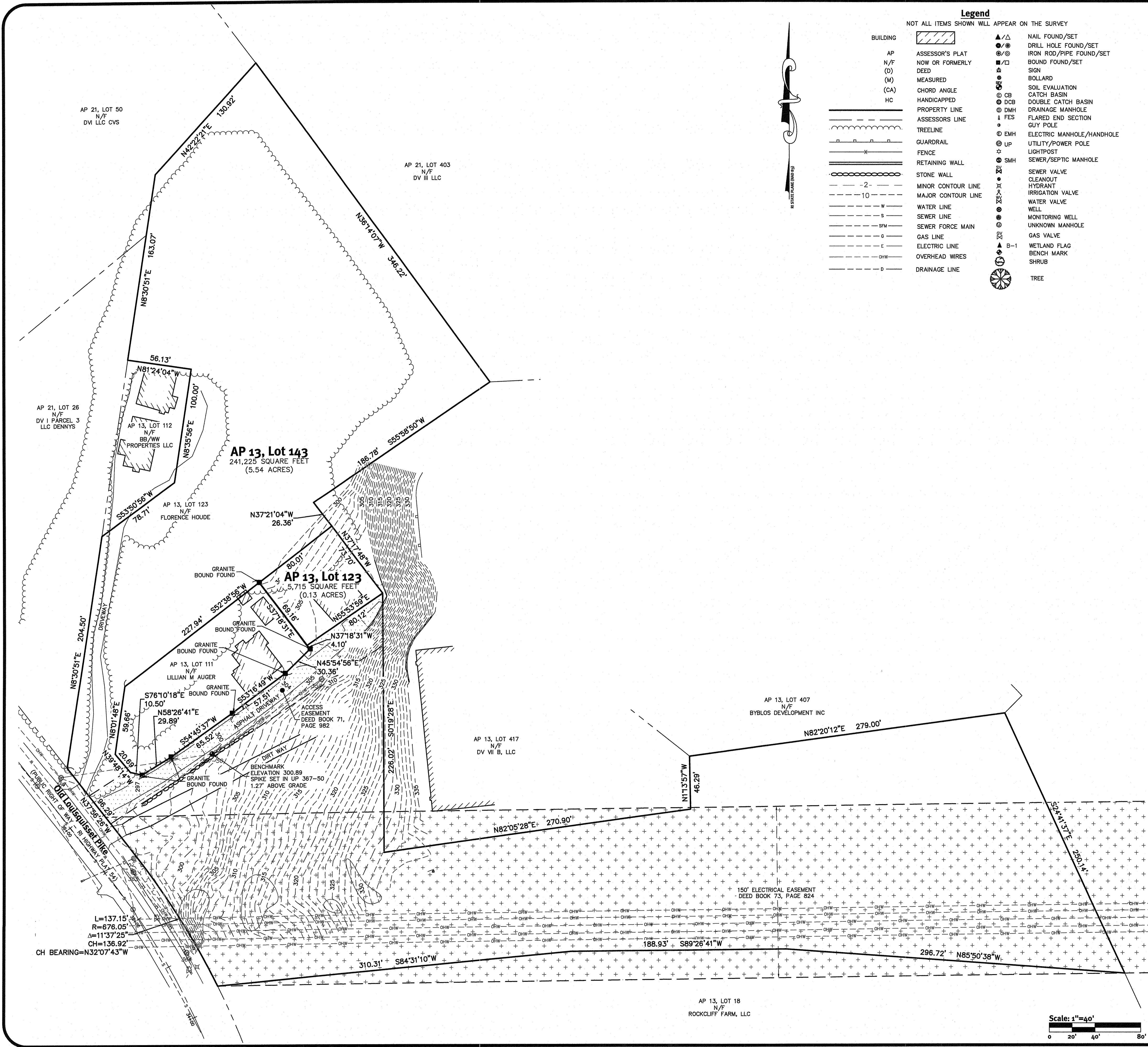
JASON P. CLOUGH
No. 10101
REGISTERED PROFESSIONAL ENGINEER
CIVIL

RI Environmental Management
Office of Water Resources
OCT 19 2021

THIS SET IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS SET WITHIN A PLAN SET APPROVED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE.
DIPRETE ENGINEERING ONLY WARRANTS ITS PLANS ONLY. DIPRETE ENGINEERING TITLE BLOCK STAMPED BY A REGISTERED PROFESSIONAL ENGINEER DOES NOT WARRANT PLANS BY ANY OTHER PARTY.
THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, MATERIALS, EQUIPMENT, AND OPERATIONS IN THE PERFORMANCE OF THE WORK SHOWN ON THESE PLANS.
EXISTING UTILITIES SHOWN ON THIS PLAN SET ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES.
SEE UTILITY NOTE ON SHEET 3.

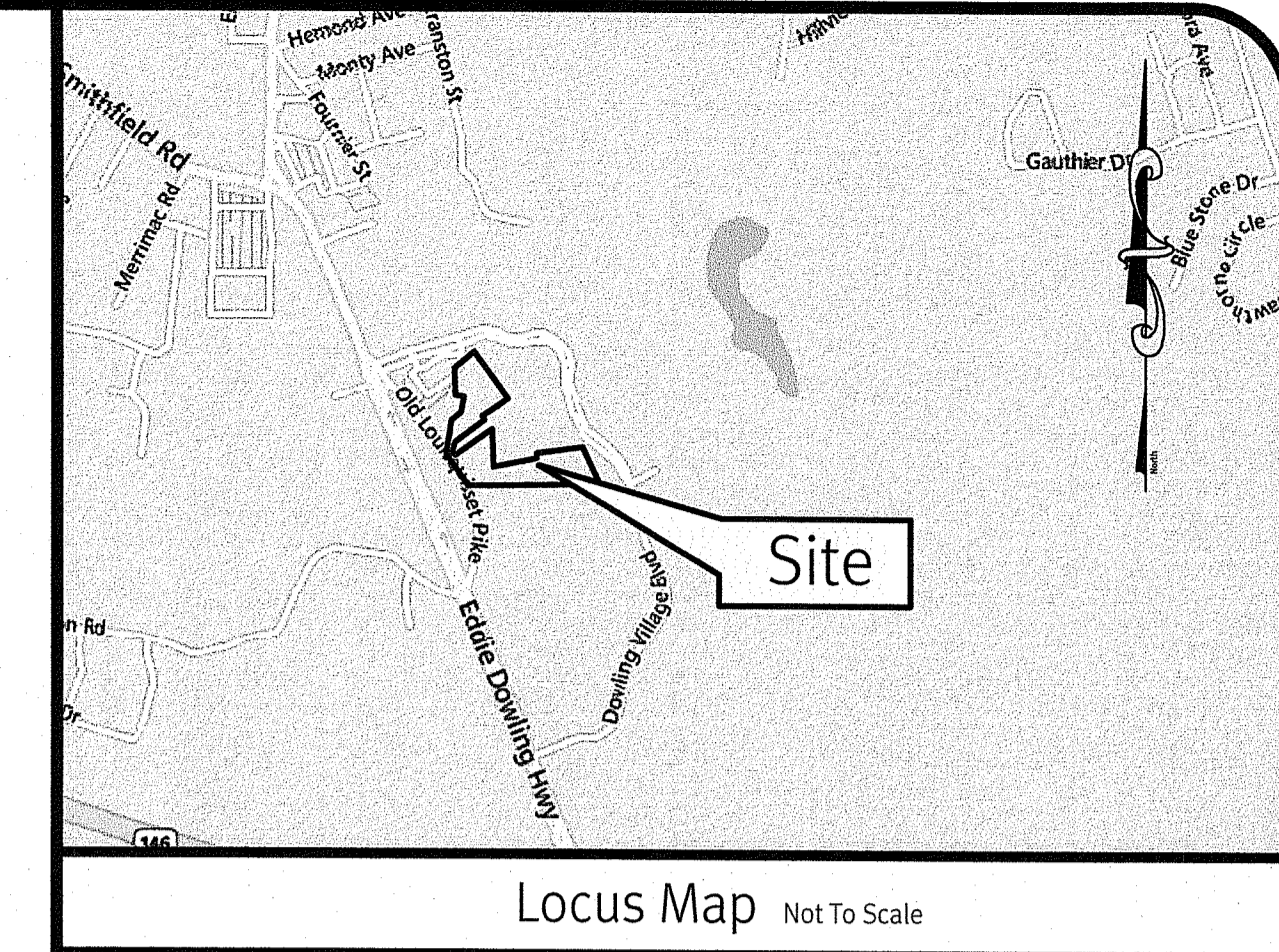
Table with 4 columns: N.O.I., N.D.K., N.D.K., BY. Includes a row for 'DRAWN BY: N.D.K.' and 'DESIGN BY: N.D.K.'.

NOTES AND LEGEND
OLD LOUISUISSET CONDOS
ASSESSOR'S PLAT 15 LOTS III, 123, & 143
NORTH SMITHFIELD, RHODE ISLAND
PREPARED FOR:
BB/WV PROPERTIES LLC C/O BRIAN BUCCI
P.O. BOX 6187, WARWICK, RHODE ISLAND 02887



Legend
NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

BUILDING	ASSESSOR'S PLAT	NAIL FOUND/SET
AP	NOW OR FORMERLY	DRILL HOLE FOUND/SET
N/F	DEED	IRON ROD/PIPE FOUND/SET
(D)	MEASURED	BOUND FOUND/SET
(CA)	CHORD ANGLE	SIGN
(M)	HANDICAPPED	BOLLARD
HC	PROPERTY LINE	SOIL EVALUATION
	ASSESSOR'S LINE	CB
	TREELINE	DCB
	GUARDRAIL	DMH
	FENCE	FES
	RETAINING WALL	EMH
	STONE WALL	UP
	MINOR CONTOUR LINE	SMH
	MAJOR CONTOUR LINE	SEWER VALVE
	WATER LINE	CLEANOUT
	SEWER LINE	HYDRANT
	SEWER FORCE MAIN	IRRIGATION VALVE
	GAS LINE	WATER VALVE
	ELECTRIC LINE	WELL
	OVERHEAD WIRES	MONITORING WELL
	DRAINAGE LINE	UNKNOWN MANHOLE
		GAS VALVE
		WETLAND FLAG
		BENCH MARK
		SHRUB
		TREE



- General Notes**
- THE PARCEL IS FOUND ON ASSESSOR'S PLAT 13, LOT 123 & 143 IN THE TOWN OF NORTH SMITHFIELD, PROVIDENCE COUNTY, RHODE ISLAND.
 - THE OWNER OF LOT 143 PER DEED BOOK 688, PAGE 220 & OF LOT 123 PER DEED BOOK 800, PAGE 113 IS BB/WW PROPERTIES, LLC
 - BASED ON GRAPHICAL PLOTTING ONLY, THE PARCEL IS LOCATED IN ZONE X PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 4407001576, DATED MARCH 2, 2009. THIS DESIGNATION MAY CHANGE BASED UPON REVIEW BY A FLOOD ZONE SPECIALIST OR BY THE RESULTS OF A COMPREHENSIVE FLOOD STUDY.
 - THE PARCEL IS ZONED BH BASED ON THE TOWN OF NORTH SMITHFIELD GIS MAP. 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.
 - THERE WERE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY.
 - FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING ON JANUARY 13, 2020. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
 - 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.

Datum Note:

1. ELEVATIONS SHOWN HEREON, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY DIPRETE ENGINEERING USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS.

- Plan References**
- "FINAL RECORD PLAN - DOWLING VILLAGE - PHASE II & III AP 13 LOTS 44, 53, & 123 AND A PORTION OF LOTS 18, 20, 21 & 76, AP 21 LOTS 30, 31, 32, 61 & 71 NORTH SMITHFIELD, RHODE ISLAND. PLAN BY DIPRETE ENGINEERING ASSOCIATES, INC DATED JULY, 2008 REVISED 1-22-10 BOOK 1 PAGES 258-264.
 - ADMINISTRATIVE SUBDIVISION PLAN DOWLING VILLAGE - REPLAT OF RECORD LOTS 1, 3, 4 & 5 AP 21 LOTS 401, 404, & 405 AND DOWLING VILLAGE WAY NORTH SMITHFIELD, RHODE ISLAND. PLAN BY DIPRETE ENGINEERING ASSOCIATES, INC DATED JUNE 2011. PLAT BOOK 1 PAGES 294 & 295.
 - ADMINISTRATIVE SUBDIVISION PLAN DOWLING VILLAGE - REPLAT OF RECORD LOTS 1, 2, 3, 12, 14, 16, 17 & 19 AP 21 LOTS 401, 402, 403, 412, 414, 416, 417, & 419 NORTH SMITHFIELD, RI AND DOWLING VILLAGE WAY NORTH SMITHFIELD, RHODE ISLAND. PLAN BY DIPRETE ENGINEERING ASSOCIATES, INC DATED NOVEMBER 2 2011. PLAT BOOK 1 PAGES 296-299.
 - ADMINISTRATIVE SUBDIVISION PLAN DOWLING VILLAGE - REPLAT OF RECORD AP 21 LOT 403 & AP 13 LOTS 53, 407 & 415 NORTH SMITHFIELD, RI AND DOWLING VILLAGE WAY NORTH SMITHFIELD, RHODE ISLAND. PLAN BY DIPRETE ENGINEERING ASSOCIATES, INC DATED MARCH 4, 2014. PLAT BOOK 1 PAGES 338-339.

RI Environmental Management
OCT 19 2021
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 JAN 19 2022 FILE # 21-0155
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman

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:

TYPE OF SURVEY	MEASUREMENT SPECIFICATION
COMPREHENSIVE BOUNDARY SURVEY	CLASS 1
TOPOGRAPHIC SURVEY (LIMITED)	CLASS 2

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
ROBERT G. BABCOCK, RIPLS #2504, COA #LS.000A160
3/21/20

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

Boston • Providence • Newport

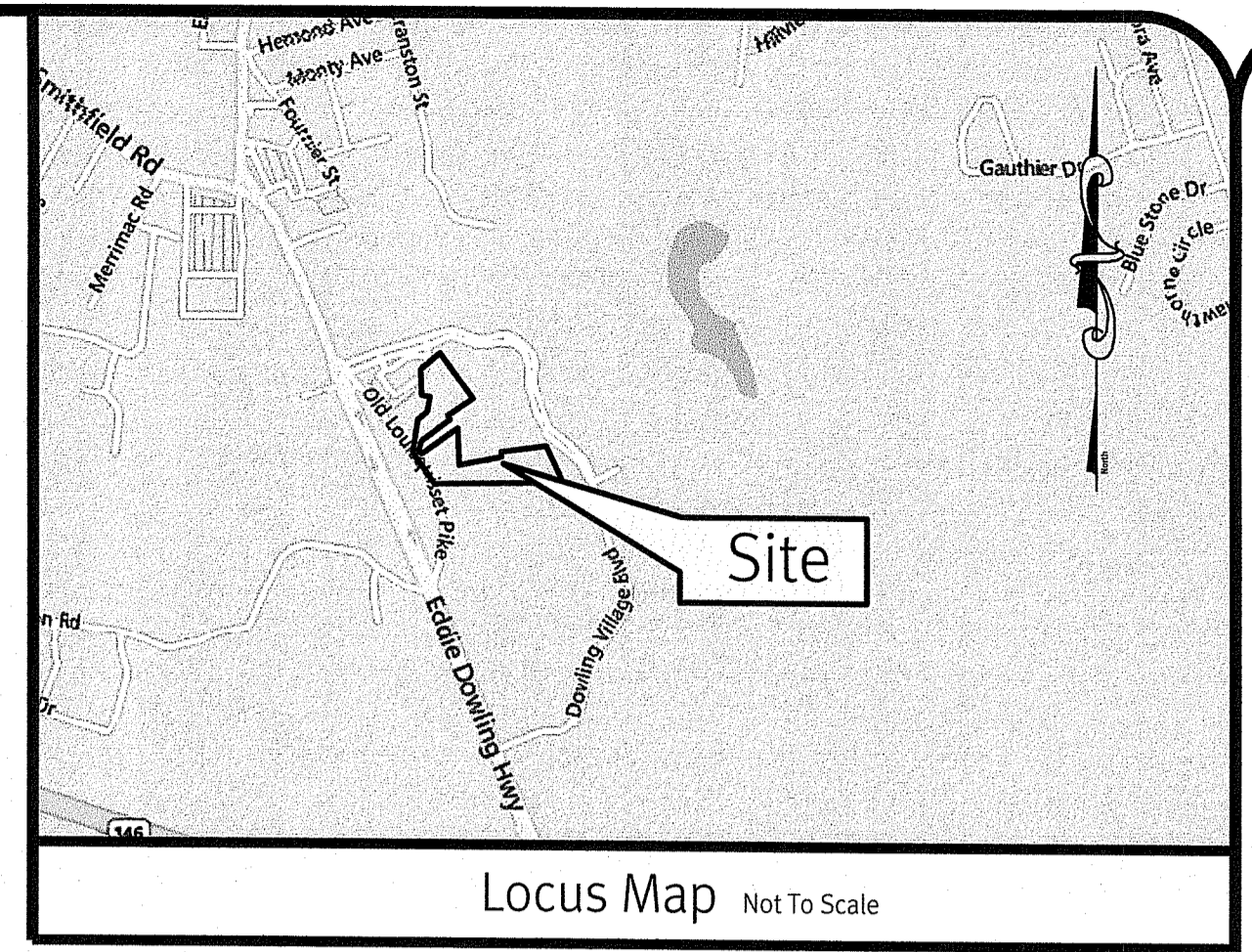
Boundary/Topographic Survey
Dowling Village Condominium
Assessor's Plat 13, 143
North Smithfield, Rhode Island
Drawn
BBWW LLC c/o Brian Buccini
PO Box 6187, Warwick, Rhode Island 02887

NO.	DATE	DESCRIPTION	BY:
1	3/25/20	PREPARED	BBWW
2	7/26/20	REVISION	BBWW
3	10/13/20	REVISION	BBWW
4	10/13/20	REVISION	BBWW
5	10/13/20	REVISION	BBWW
6	10/13/20	REVISION	BBWW
7	10/13/20	REVISION	BBWW
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97	10/13/20	REVISION	BBWW
98	10/13/20	REVISION	BBWW
99	10/13/20	REVISION	BBWW
100	10/13/20	REVISION	BBWW



Legend
NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

BUILDING	ASSESSOR'S PLAT	NAIL FOUND/SET
AP	NOW OR FORMERLY	DRILL HOLE FOUND/SET
N/F	DEED	IRON ROD/PIPE FOUND/SET
(D)	MEASURED	BOUND FOUND/SET
(M)	CHORD ANGLE	SIGN
(CA)	HANDICAPPED	BOLLARD
HC	PROPERTY LINE	SOIL EVALUATION
	ASSESSORS LINE	CATCH BASIN
	TREELINE	DOUBLE CATCH BASIN
	GUARDRAIL	DRAINAGE MANHOLE
	FENCE	FLARED END SECTION
	RETAINING WALL	GUY POLE
	STONE WALL	EMH ELECTRIC MANHOLE/HANDHOLE
	MINOR CONTOUR LINE	UP UTILITY/POWER POLE
	MAJOR CONTOUR LINE	LIGHTPOST
-W-	WATER LINE	SMH SEWER/SEPTIC MANHOLE
-S-	SEWER LINE	SEWER VALVE
-SPM-	SEWER FORCE MAIN	CLEANOUT
-G-	GAS LINE	HYDRANT
-E-	ELECTRIC LINE	IRRIGATION VALVE
-OHW-	OVERHEAD WIRES	WATER VALVE
-D-	DRAINAGE LINE	WELL
		MONITORING WELL
		UNKNOWN MANHOLE
		GAS VALVE
		B-1 WETLAND FLAG
		BENCH MARK
		SHRUB
		TREE



RI Environmental Management
OCT 19 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 19 2022 FILE # 21-0155
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Emily L. Freeman

DiPrete Engineering
Two Stafford Court Cranston, RI 02970
Tel: 401-943-1000 Fax: 401-464-6006 www.diprete-eng.com

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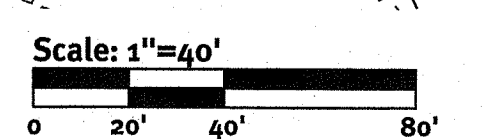
JASON P. CLOUGH
No. 11010
REGISTERED PROFESSIONAL ENGINEER
CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS ACCOMPANIED BY A REGISTERED PROFESSIONAL ENGINEER'S STAMP AND SIGNATURE.
DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER'S STAMP AND SIGNATURE. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY OTHER PARTY'S PROFESSIONAL ENGINEER'S STAMP AND SIGNATURE.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, REGULATIONS, AND ORDINANCES, AND FOR OBTAINING ALL NECESSARY APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES OF STATE AND FEDERAL GOVERNMENT.
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND NOT TO BE RELIED UPON FOR CONSTRUCTION PURPOSES. SEE UTILITY NOTE ON SHEET 2.

NO.	DATE	DESCRIPTION	BY:
1	10-19-2021	REVISION	N.P.K.
2	10-19-2021	REVISION	N.P.K.
3	10-19-2021	REVISION	N.P.K.
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98	10-19-2021	REVISION	N.P.K.
99	10-19-2021	REVISION	N.P.K.
100	10-19-2021	REVISION	N.P.K.

Existing Analysis Plan
OLD LOUISQUISSET CONDOS
ASSESSOR'S PLAT IS LOTS III, 123, & 143
NORTH SMITHFIELD, RHODE ISLAND
PREPARED FOR:
BB/WW PROPERTIES LLC c/o BRIAN BUCCI
P.O. BOX 6187, WARWICK, RHODE ISLAND 02887

DESIGNED BY: N.P.K.
DRAWN BY: N.P.K.
CHECKED BY: N.P.K.
DATE: 10/19/2021



Z:\DEMANPROJECTS\047-006-A12 OLD LOUISQUISSET CONDOS\AUTOCAD DRAWINGS\047-006-PLAN-DWG.PLOTTER: 01/01/2021



RI Environmental Management
OCT 19 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Nancy L. Forman

SOIL EROSION CONTROL LEGEND

- DIVERSION RUNOFF CONVEYANCE MEASURE (SWALE AND/OR BERM)
- TEMPORARY SEDIMENT BASIN
- TEMPORARY SEDIMENT TRAP
- EROSION CONTROL (COMPOST SOCK, SILT FENCE (RI STD 9.2.0, OR APPROVED EQUAL))
- CLASS C SILT FENCE
- 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

SCALE: 1"=20'
0 10' 20' 40'

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

Boston • Providence • Newport

JASON P. CLOUGH
No.
REGISTERED PROFESSIONAL ENGINEER
CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS APPROVED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA REGULATIONS, AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THIS PLAN AND DESIGN.

EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND NOT TO BE RELIED UPON. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY NOTES ON SHEET S.

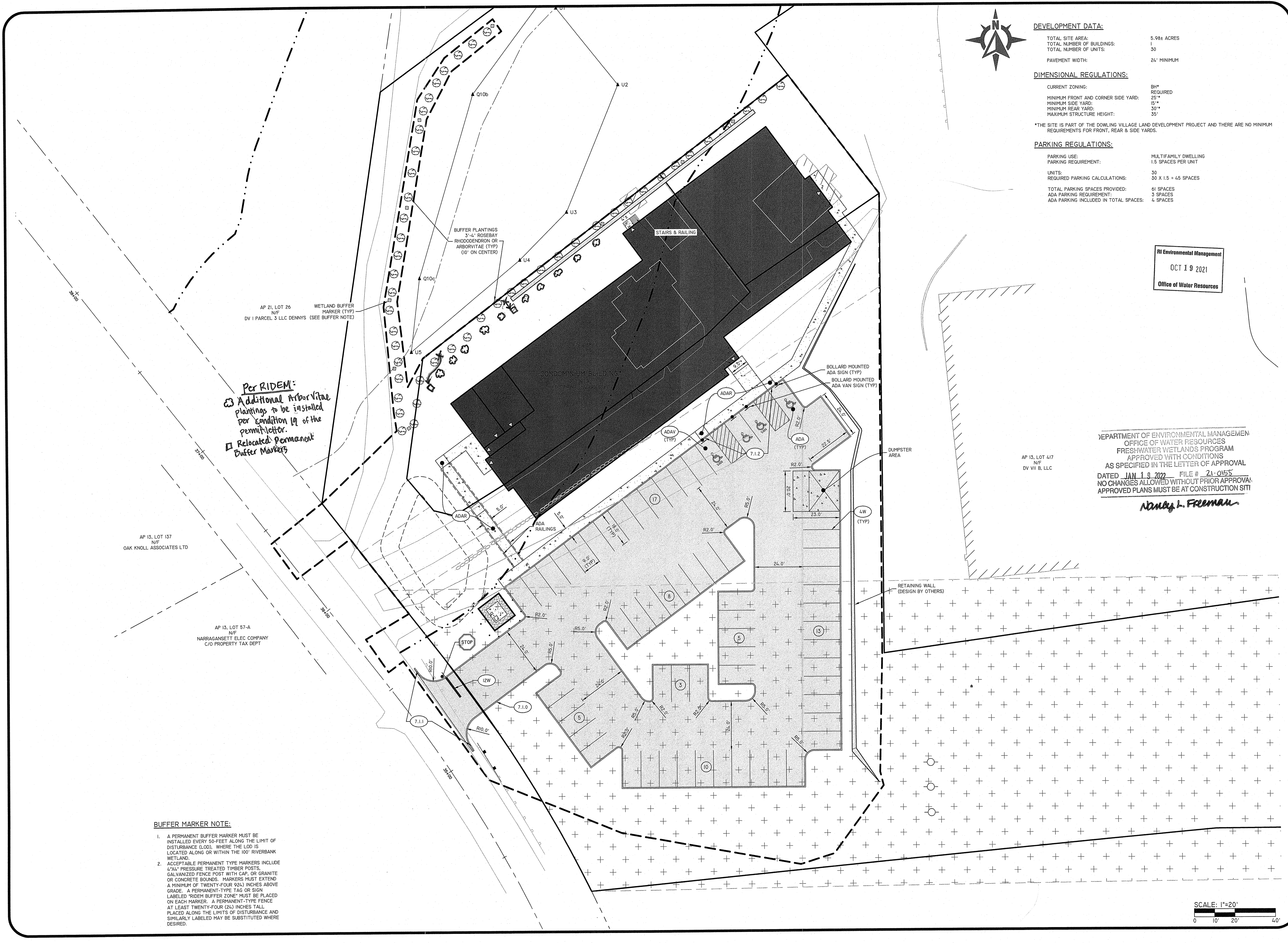
NO.	DATE	DESCRIPTION	BY:
0	01-19-2022	FINAL SUBMISSION	N.D.K.
1	01-19-2022	PERMIT SUBMISSION	N.D.K.
2	01-19-2022	PERMIT SUBMISSION	N.D.K.

DESIGN BY: N.D.K.

SOIL EROSION CONTROL PLAN
OLD LOUISQUISSET CONDOS
ASSESSOR'S PLAT 13 LOTS III, 123, & 143
NORTH SMITHFIELD, RHODE ISLAND
PREPARED FOR:
BB/WW PROPERTIES LLC C/O BRIAN BUCCI
P.O. BOX 6187, WARWICK, RHODE ISLAND 02887

SHEET 6 OF 12

Z:\06MAIN\PROJECTS\0607-04-02 OLD LOUISQUISSET CONDOS\AUTOCAD DRAWINGS\0607-04-02-PLANDWG FLUTTER: 10/18/2021



DEVELOPMENT DATA:
 TOTAL SITE AREA: 5.98± ACRES
 TOTAL NUMBER OF BUILDINGS: 1
 TOTAL NUMBER OF UNITS: 30
 PAVEMENT WIDTH: 24' MINIMUM

DIMENSIONAL REGULATIONS:
 CURRENT ZONING: B1* REQUIRED
 MINIMUM FRONT AND CORNER SIDE YARD: 25'
 MINIMUM SIDE YARD: 15'
 MINIMUM REAR YARD: 30'
 MAXIMUM STRUCTURE HEIGHT: 35'

*THE SITE IS PART OF THE DOWLING VILLAGE LAND DEVELOPMENT PROJECT AND THERE ARE NO MINIMUM REQUIREMENTS FOR FRONT, REAR & SIDE YARDS.

PARKING REGULATIONS:
 PARKING USE: MULTIFAMILY DWELLING
 PARKING REQUIREMENT: 1.5 SPACES PER UNIT
 UNITS: 30
 REQUIRED PARKING CALCULATIONS: 30 X 1.5 = 45 SPACES
 TOTAL PARKING SPACES PROVIDED: 61 SPACES
 ADA PARKING REQUIREMENT: 9 SPACES
 ADA PARKING INCLUDED IN TOTAL SPACES: 4 SPACES

RI Environmental Management
 OCT 19 2021
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Nancy L. Freeman

BUFFER MARKER NOTE:

1. A PERMANENT BUFFER MARKER MUST BE INSTALLED EVERY 50 FEET ALONG THE LIMIT OF DISTURBANCE (LOD), WHERE THE LOD IS LOCATED ALONG OR WITHIN THE 100' RIVERBANK WETLAND.
2. ACCEPTABLE PERMANENT TYPE MARKERS INCLUDE 4"x4" PRESSURE TREATED TIMBER POSTS, GALVANIZED FENCE POST WITH CAP, OR GRANITE OR CONCRETE BOUNDS. MARKERS MUST EXTEND A MINIMUM OF TWENTY-FOUR (24) INCHES ABOVE GRADE. A PERMANENT-TYPE TAG OR SIGN LABELED "RIDEM BUFFER ZONE" MUST BE PLACED ON EACH MARKER. A PERMANENT-TYPE FENCE AT LEAST TWENTY-FOUR (24) INCHES TALL PLACED ALONG THE LIMITS OF DISTURBANCE AND SIMILARLY LABELED MAY BE SUBSTITUTED WHERE DESIRED.

SCALE: 1"=20'
 0 10' 20' 40'

DiPrete Engineering
 Two Stafford Court Cranston, RI 02920
 Tel: 401-943-1000 Fax: 401-464-6006 www.diprete-eng.com
 BOSTON • PROVIDENCE • NEWPORT

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

THIS PLAN SET HAS NOT BEEN USED FOR CONSTRUCTION PURPOSES UNLESS SO STATED. ISSUED FOR CONSTRUCTION AND STAMPED BY REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
 DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL TIME BASIS OF JAMES DIPRETE. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, MATERIALS, AND EQUIPMENT USED IN THE CONSTRUCTION OF THE PROJECT. ONLY DIPRETE ENGINEERING ASSUMES RESPONSIBILITY FOR DESIGN. SEE UTILITY NOTES ON SHEET [] FOR EXISTING UTILITIES.

NO.	DATE	DESCRIPTION	BY:	DESIGN BY:
1	01-18-2021	PRELIMINARY SUBMISSION	N.D.K.	N.D.K.
2	02-22-2021	PRELIMINARY DETERMINATION SUBMISSION	N.D.K.	N.D.K.
3	03-11-2021	FINAL SUBMISSION	N.D.K.	N.D.K.

SITE LAYOUT PLAN
 OLD LOUISQUISSET CONDOS
 ASSessor's PLAT 13 LOTS 111, 123, & 143
 NORTH SMITHFIELD, RHODE ISLAND
 PREPARED FOR:
 BB/WW PROPERTIES LLC C/O BRIAN BUCCI
 P.O. BOX 6187, WARWICK, RHODE ISLAND 02887

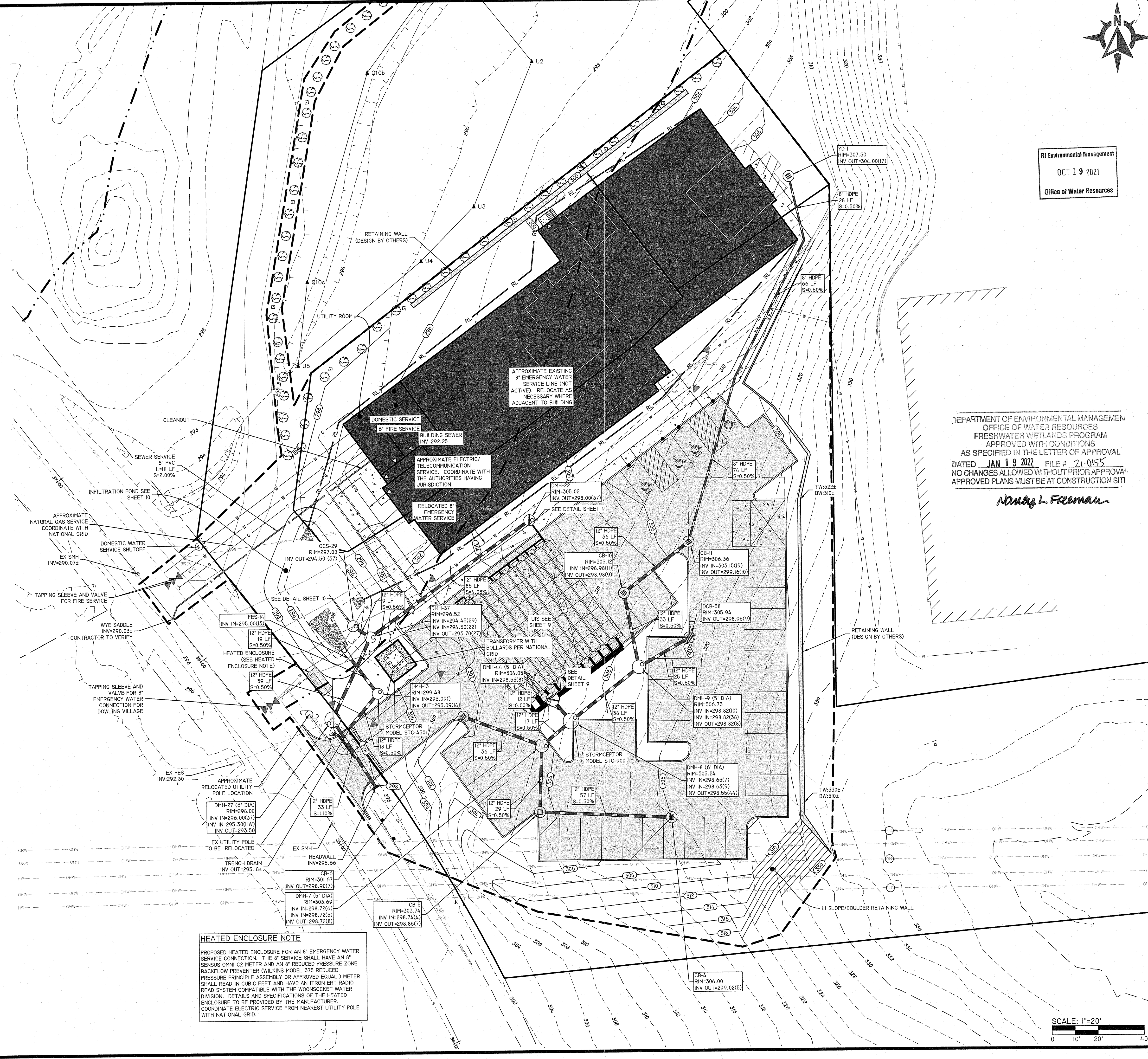
DESIGN BY: N.D.K.

SHEET 7 OF 12

DE: JAS: 10/18/2021 06:42:00 COPYRIGHT 2021 BY DIPRETE ENGINEERING ASSOCIATES, INC.



RI Environmental Management
 OCT 19 2021
 Office of Water Resources



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Nancy L. Freeman

HEATED ENCLOSURE NOTE
 PROPOSED HEATED ENCLOSURE FOR AN 8" EMERGENCY WATER SERVICE CONNECTION. THE 8" SERVICE SHALL HAVE AN 8" SENSUS OWN C2 METER AND AN 8" REDUCED PRESSURE ZONE BACKFLOW PREVENTER (WILKINS MODEL 375 REDUCED PRESSURE PRINCIPLE ASSEMBLY OR APPROVED EQUAL.) METER SHALL READ IN CUBIC FEET AND HAVE AN IRON ERT RADIO HEAD SYSTEM COMPATIBLE WITH THE WOODSOCKET WATER DIVISION. DETAILS AND SPECIFICATIONS OF THE HEATED ENCLOSURE TO BE PROVIDED BY THE MANUFACTURER. COORDINATE ELECTRIC SERVICE FROM NEAREST UTILITY POLE WITH NATIONAL GRID.

SCALE: 1"=20'
 0 10' 20' 40'

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

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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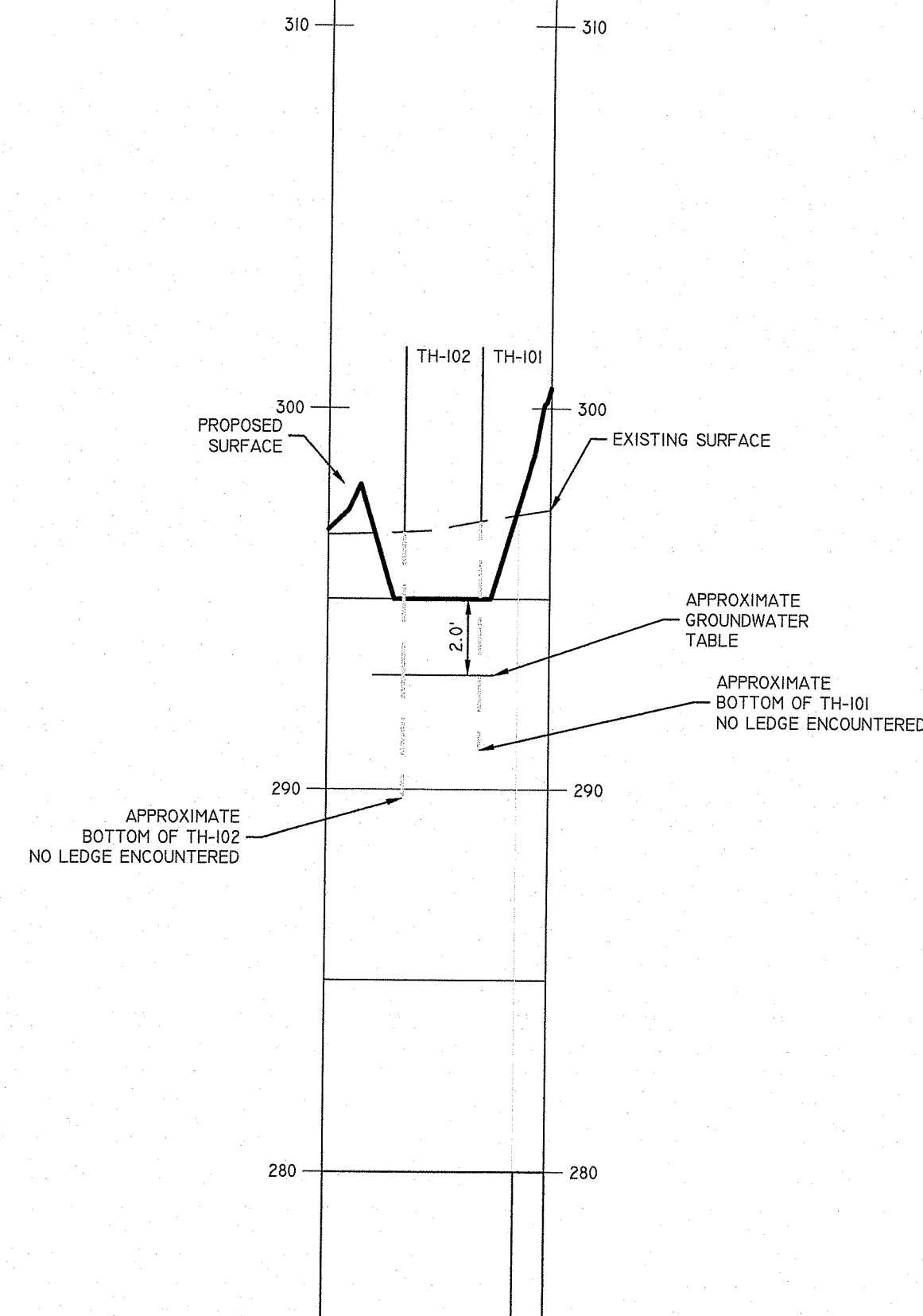
GRADING, DRAINAGE & UTILITIES PLAN
OLD LOUISQUISSET CONDOS
 ASSessor'S PLAT 13 LOTS 11, 12, & 14,3
 NORTH SMITHFIELD, RHODE ISLAND
 PREPARED FOR:
BB/WW PROPERTIES LLC c/o BRIAN BUCCI
 P.O. BOX 6187, WARWICK, RHODE ISLAND 02887

DESIGNED BY: N.D.K.
 DRAWN BY: N.D.K.
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

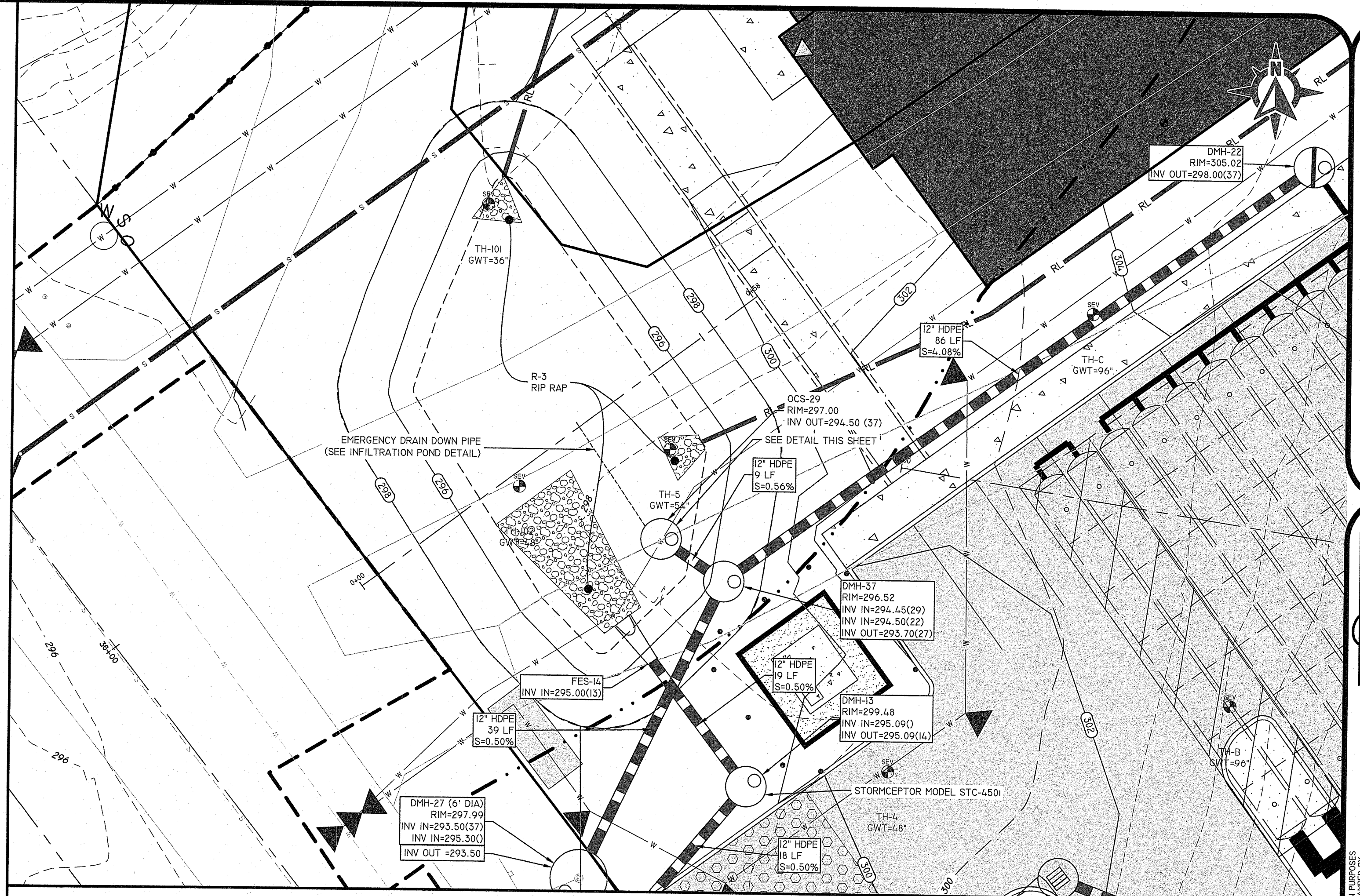
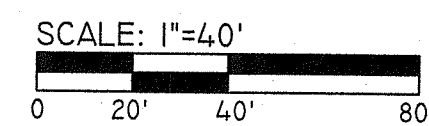
DATE: 10/19/2021
 NO. 1
 DESCRIPTION: GRADING, DRAINAGE & UTILITIES PLAN

DESIGN BY: N.D.K.

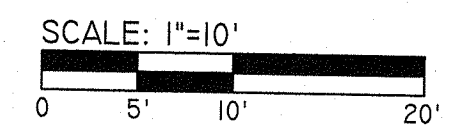
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INFILTRATION POND A SECTION A-A
 HORIZONTAL SCALE 1"=40'
 VERTICAL SCALE 1"=4'

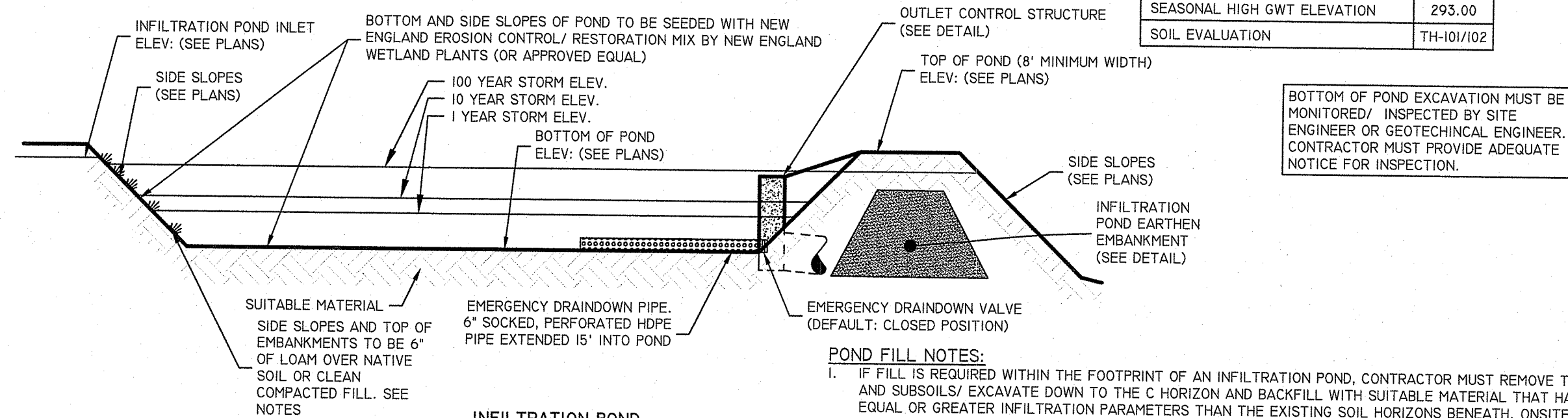


INFILTRATION POND A



- NOTES:**
- LIMITS OF INFILTRATION POND MUST BE STAKED OUT AND MUST NOT BE USED AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION (NO CONSTRUCTION TRAFFIC ALLOWED WITHIN POND LIMITS).
 - INFILTRATION PONDS MUST NOT BE USED FOR STOCKPILING, VEHICLE PARKING OR ANY OTHER ANCILLARY STORING OF OBJECTS OR MATERIALS, TEMPORARY OR PERMANENT, AT ANY TIME.
 - INFILTRATION PONDS MUST BE ADEQUATELY PROTECTED FROM SEDIMENT LADEN RUNOFF DURING CONSTRUCTION.
 - FOLLOWING CONSTRUCTION AND STABILIZATION OF ALL UPSTREAM AREAS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY AND ALL SEDIMENT FROM INFILTRATION PONDS. IF SEDIMENT REMOVAL IS REQUIRED THE CONTRACTOR MUST ALSO ROTOTILL THE ENTIRE POND BOTTOM TO A MINIMUM DEPTH OF 24" AND RE-ESTABLISH TO FINAL DESIGN GRADES AND COVER TYPES.
 - SOILS MUST BE TRACKED INTO PLACE. NO COMPACTION EQUIPMENT ALLOWED.

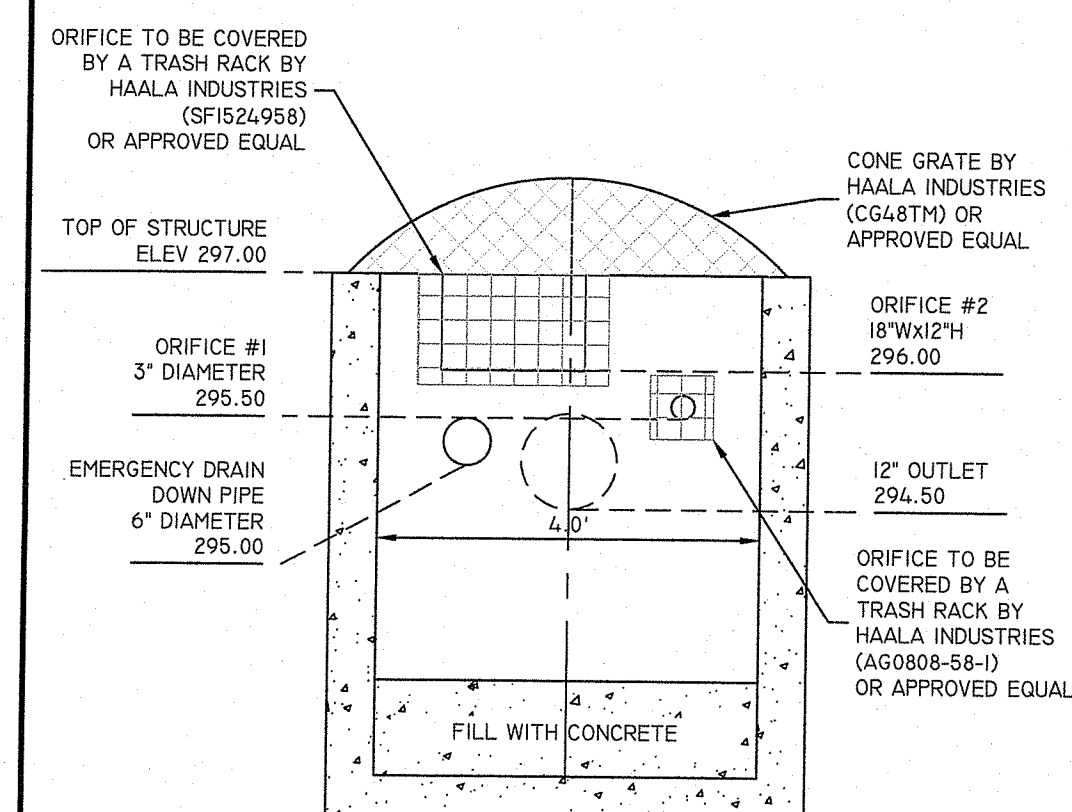
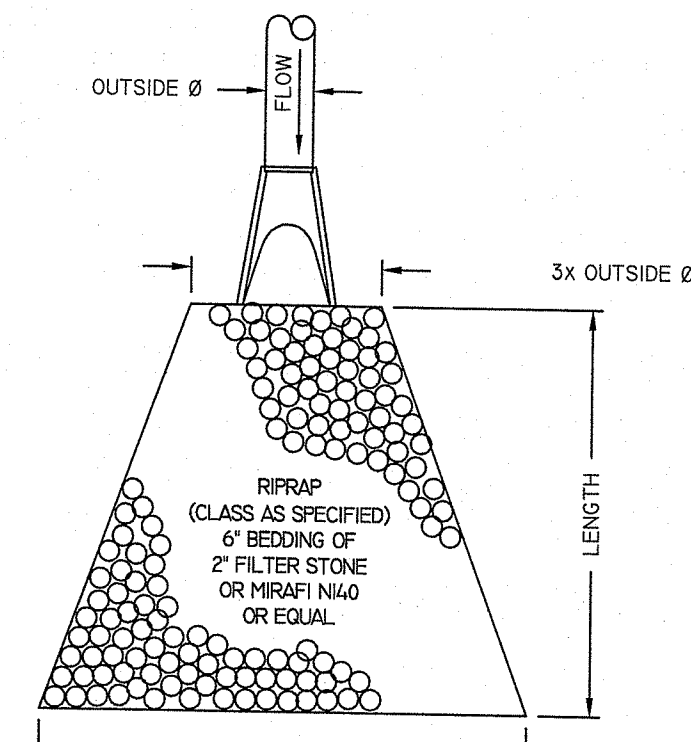
DESCRIPTION	IP-A
TOP OF POND ELEVATION	298.00
100 YEAR STORM ELEVATION	296.92
10 YEAR STORM ELEVATION	296.50
1 YEAR STORM ELEVATION	296.02
BOTTOM OF POND ELEVATION	295.00
SEASONAL HIGH GW ELEVATION	293.00
SOIL EVALUATION	TH-101/102



BOTTOM OF POND EXCAVATION MUST BE MONITORED/ INSPECTED BY SITE ENGINEER OR GEOTECHNICAL ENGINEER. CONTRACTOR MUST PROVIDE ADEQUATE NOTICE FOR INSPECTION.

- POND FILL NOTES:**
- IF FILL IS REQUIRED WITHIN THE FOOTPRINT OF AN INFILTRATION POND, CONTRACTOR MUST REMOVE TOP AND SUBSOILS/ EXCAVATE DOWN TO THE C HORIZON AND BACKFILL WITH SUITABLE MATERIAL THAT HAS EQUAL OR GREATER INFILTRATION PARAMETERS THAN THE EXISTING SOIL HORIZONS BENEATH. ONSITE MATERIALS MAY BE USED AT THE DIRECTION OF THE SITE ENGINEER OR GEOTECHNICAL ENGINEER. B HORIZON OR PART THEREOF MAY BE LEFT IN PLACE FOLLOWING ASSESSMENT AND DIRECTION BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
 - FILL OPERATIONS MUST BE MONITORED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER. CONTRACTOR MUST PROVIDE ADEQUATE NOTICE PRIOR TO FILLING.

FLARED END	LENGTH	WIDTH	CLASS
FLARED END	I8	II	R-3



OUTLET CONTROL STRUCTURE
4' DIAMETER MANHOLE (OCS-29)
 SCALE: 1"=2'

RI Environmental Management
 OCT 19 2021
 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 JAN 19 2022 FILE # 21-0155
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman

Diprete Engineering
 Two Stafford Court Cranston, RI 02920
 tel 401-943-1000 fax 401-464-6006 www.diprete-eng.com

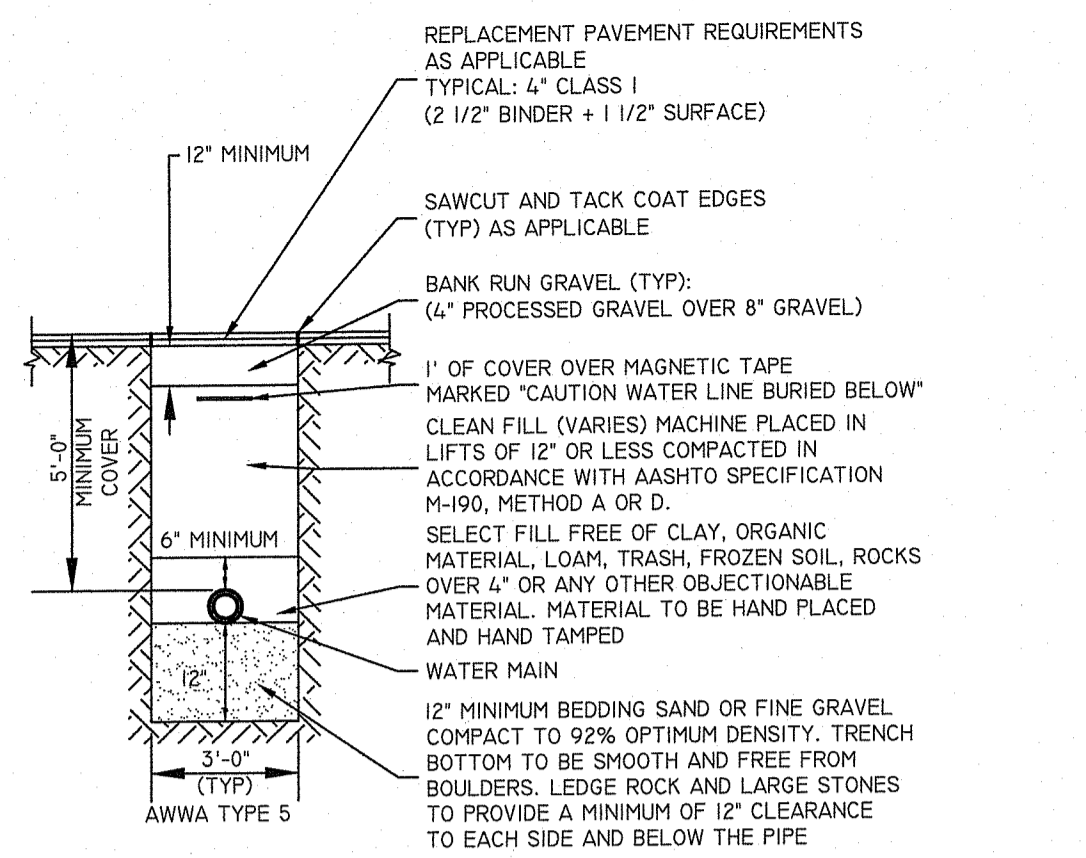
JASON P. CLOUGH
 No. 041010
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

DATE: 01-19-2022
 TIME: 5:27:20 PM
 USER: JPC
 PROJECT: CONDOS
 SHEET: 10 OF 12

NO.	DATE	DESCRIPTION	BY	CHKD.
1	01-19-2022	DESIGN	JPC	JPC
2	01-19-2022	REVISION	JPC	JPC
3	01-19-2022	REVISION	JPC	JPC
4	01-19-2022	REVISION	JPC	JPC
5	01-19-2022	REVISION	JPC	JPC
6	01-19-2022	REVISION	JPC	JPC
7	01-19-2022	REVISION	JPC	JPC
8	01-19-2022	REVISION	JPC	JPC
9	01-19-2022	REVISION	JPC	JPC
10	01-19-2022	REVISION	JPC	JPC

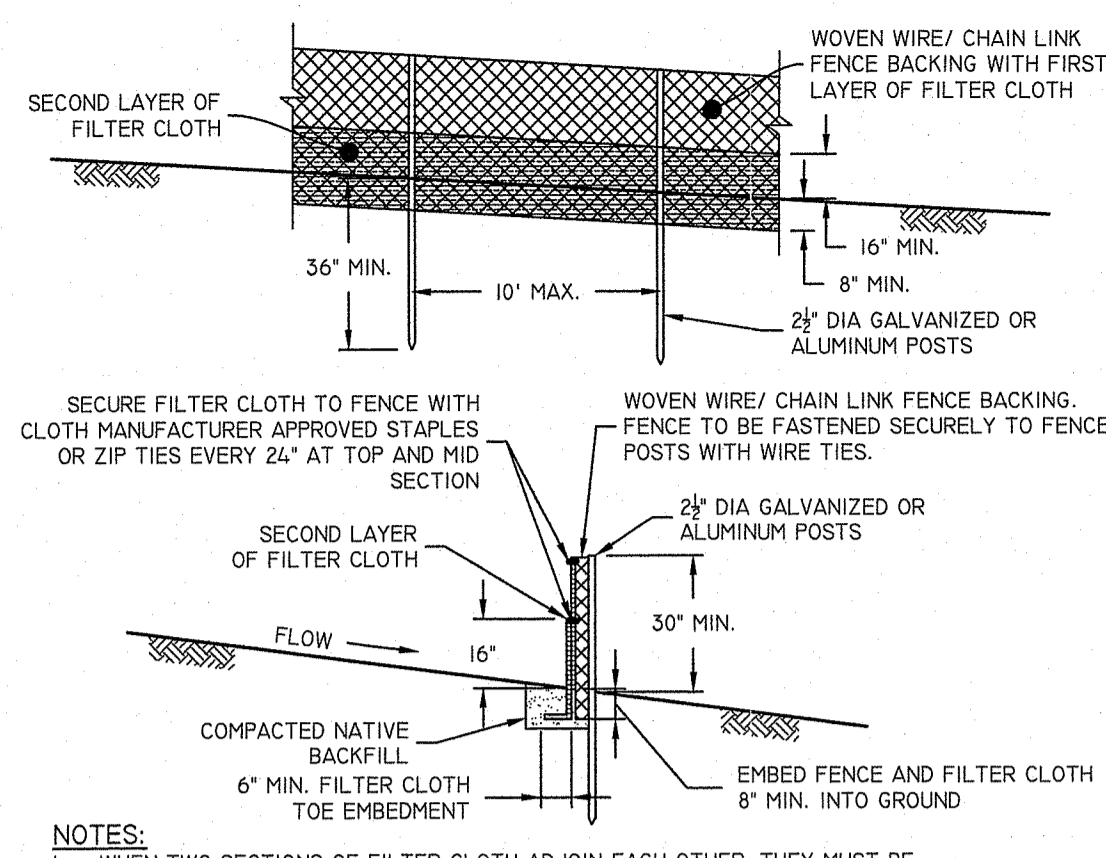
DESIGN BY: N.D.K.

POND DETAILS
OLD LOUISQUISSET CONDOS
 ASSESSOR'S PLAT 13 LOTS III, 123, & 43
 NORTH SMITHFIELD, RHODE ISLAND
 PREPARED FOR:
BB/WW PROPERTIES LLC c/o BRIAN BUCCI
 P.O. BOX 6187, WARWICK, RHODE ISLAND 02887



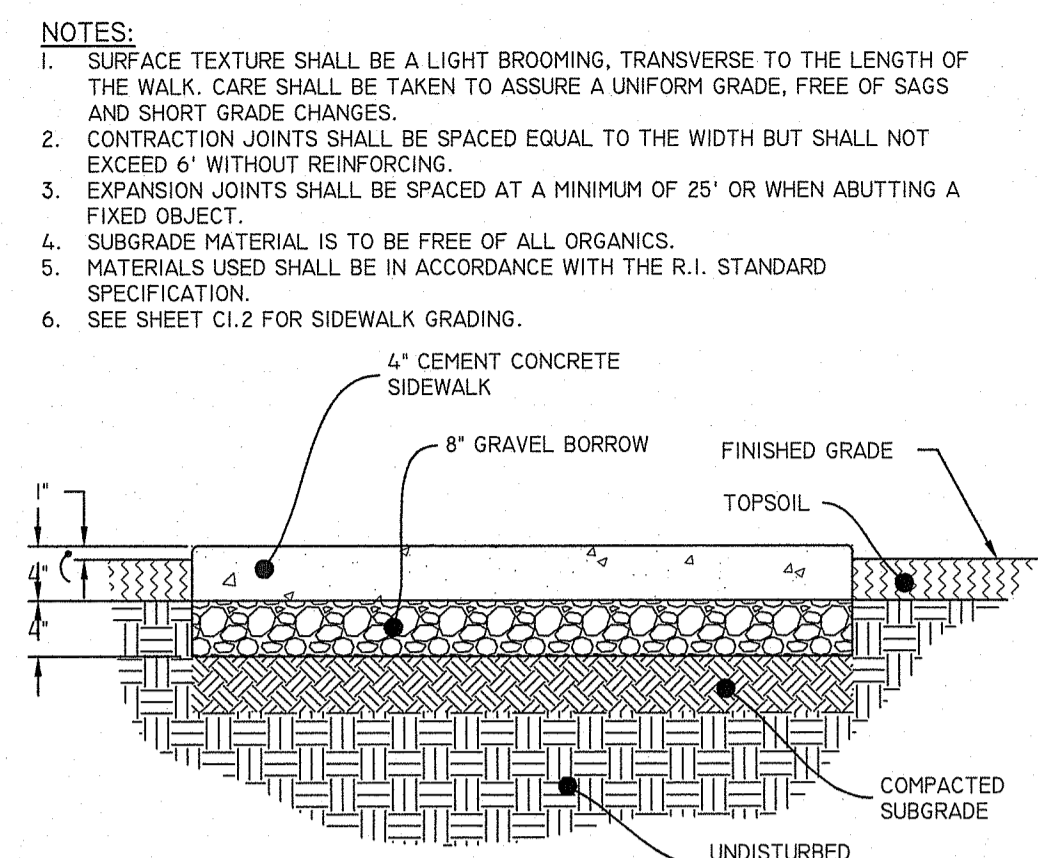
WATER TRENCH DETAIL

NOT TO SCALE



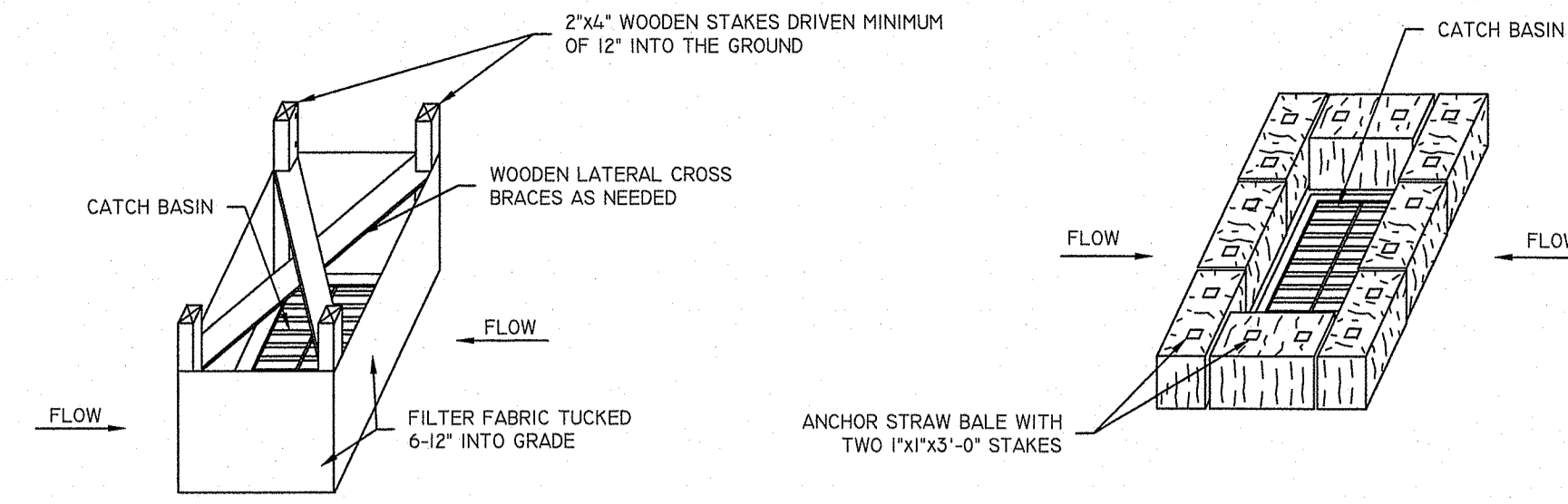
Class C Silt Fence

NOT TO SCALE



TYPICAL SIDEWALK/SLAB CONSTRUCTION (AS SPECIFIED ON PLANS)

NOT TO SCALE



CATCH BASIN EROSION CONTROL

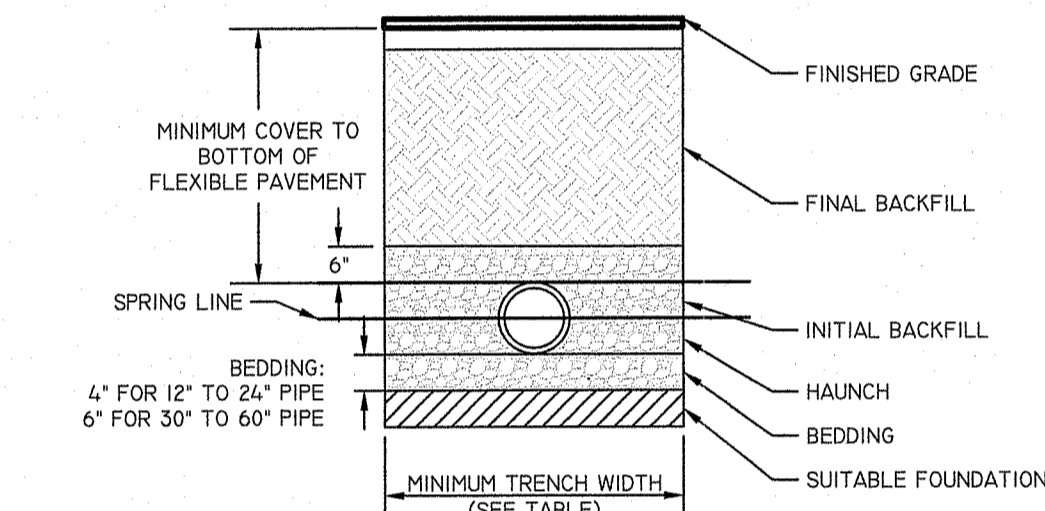
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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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 60" Ø PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

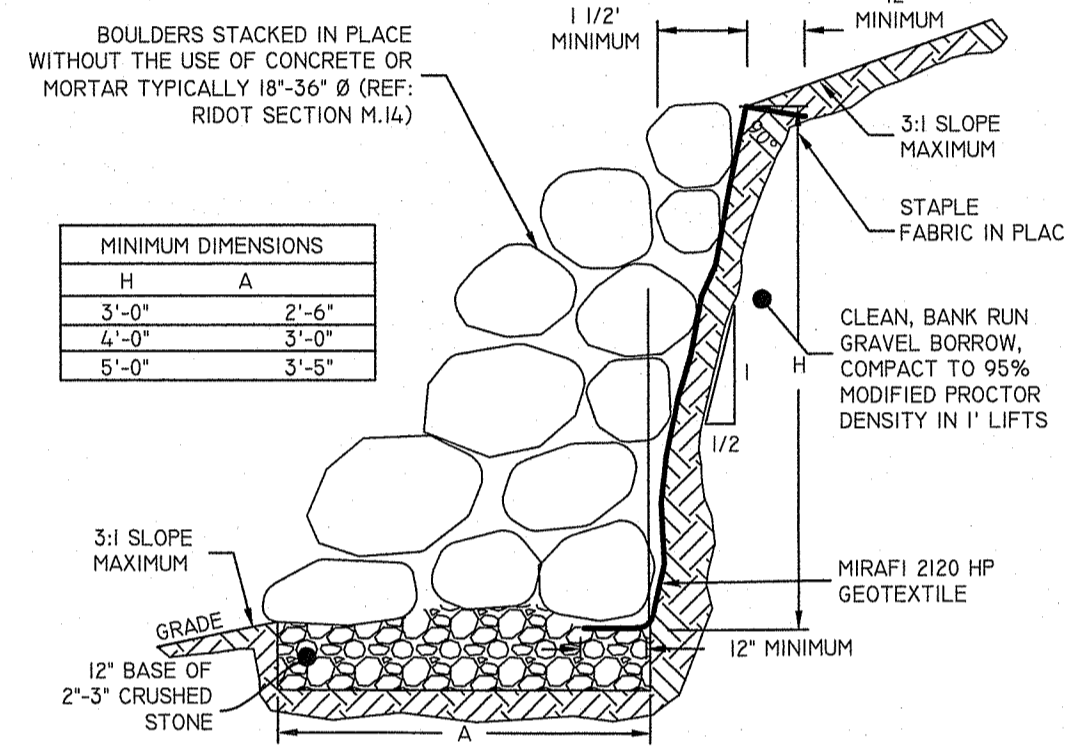
PIPE Ø	MIN. TRENCH WIDTH	PIPE Ø	MIN. TRENCH WIDTH
4"	21"	24"	48"
6"	23"	30"	56"
8"	26"	36"	64"
10"	28"	42"	72"
12"	30"	48"	80"
15"	34"	60"	96"
18"	39"		



HDPE Trench Detail

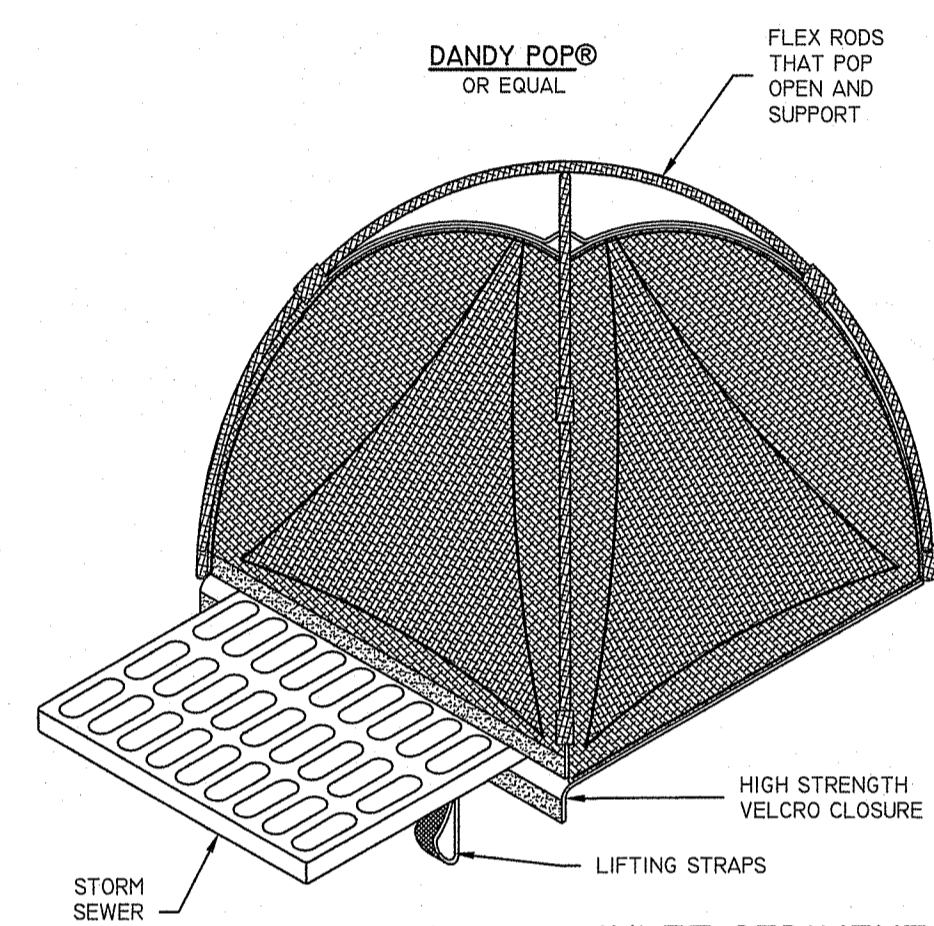
NOT TO SCALE

- NOTES:**
- FOOTING TO BE COMPACTED TO 95% AND SLOPED TOWARDS EMBANKMENT OR LAID LEVEL.
 - REMOVE AND DISPOSE TOP AND SUB SOIL.
 - PLACE ON NATURAL ORGANIC FREE SURFACE.
 - RETAINING WALLS GREATER THAN 5' HIGH TO BE DESIGNED BY A RI PROFESSIONAL ENGINEER. SHOP DRAWINGS SHALL BE PROVIDED TO SITE ENGINEER PRIOR TO CONSTRUCTION.



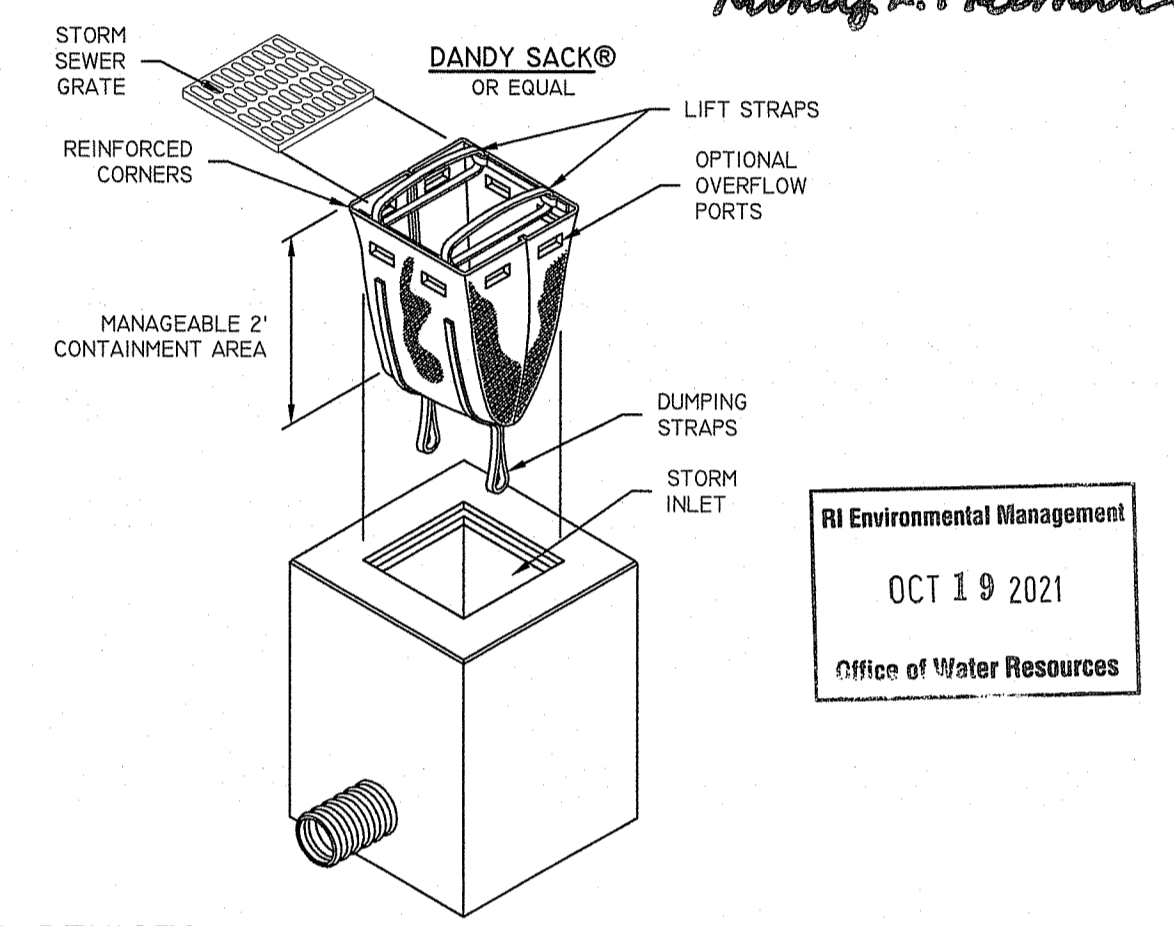
BOULDER RETAINING WALL

NOT TO SCALE



INLET SEDIMENT CONTROL DEVICES

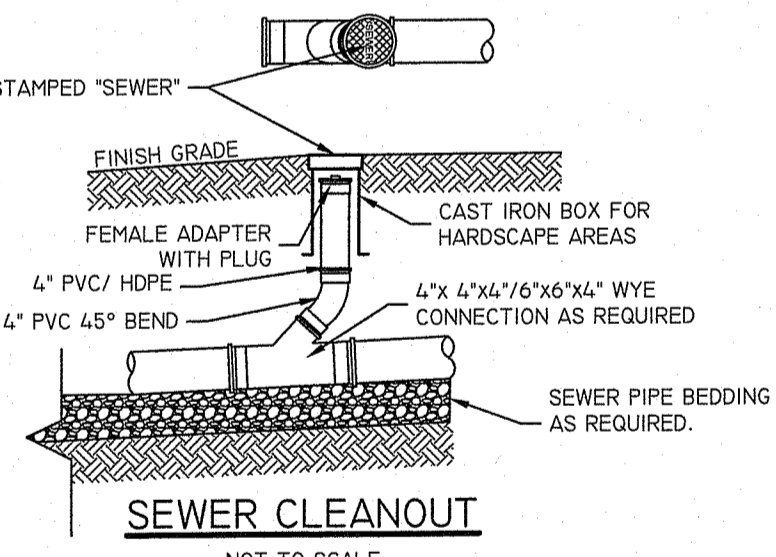
NOT TO SCALE



RI Environmental Management
OCT 19 2021
Office of Water Resources

NOTES:

- ALL PIPE AND FITTINGS SHALL BE GASKETED SDR-35 (OR) SCH-40 PVC.
- PIPE BEDDING AND BACKFILL FOR CLEANOUTS SHALL MEET APPLICABLE SEWER SPECIFICATIONS UNLESS OTHERWISE NOTED BY ENGINEER.
- FOR SEPTIC APPLICATIONS, CLEANOUTS ARE REQUIRED AT INTERVALS NOT GREATER THAN 75'. FOR ALL OTHER APPLICATIONS, A MINIMUM OF ONE CLEANOUT SHALL BE PLACED ON EACH LATERAL, 5' FROM THE STRUCTURE, AND FOR LONGER RUNS, CLEANOUTS SHALL BE LOCATED EVERY 100'.
- FOR PAVED/ROADWAY HARDSCAPE AREAS, ALL CLEANOUTS SHALL BE SLEEVED WITH A CAST-IRON BOX SET FLUSH WITHIN THE FINAL GRADE. FOR TRAFFICABLE APPLICATIONS, THE CAST-IRON BOX MUST MEET H-20 LOADING. FOR SOFTSCAPE AREAS, CLEANOUT ACCESS COVER SHALL BE SET FLUSH WITH FINAL GRADE (CAST-IRON BOX NOT REQUIRED). ALL COVERS SHALL BE INSCRIBED WITH THE WORD "SEWER."

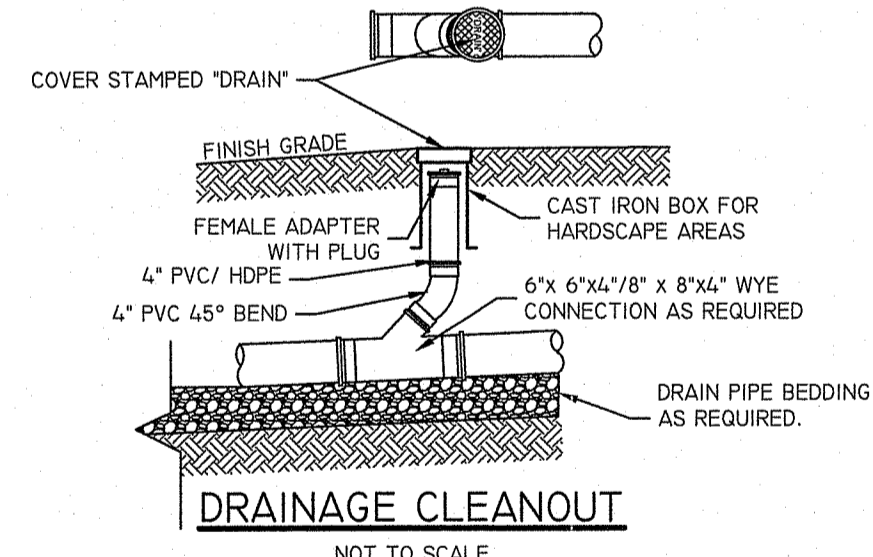


SEWER CLEANOUT

NOT TO SCALE

NOTES:

- ALL PIPE AND FITTINGS SHALL BE HDPE.
- PIPE BEDDING AND BACKFILL FOR CLEANOUTS SHALL MEET APPLICABLE DRAINAGE SPECIFICATIONS UNLESS OTHERWISE NOTED BY ENGINEER.
- SEE PLANS FOR DRAINAGE CLEANOUT LOCATIONS.
- FOR PAVED/ROADWAY HARDSCAPE AREAS, ALL CLEANOUTS SHALL BE SLEEVED WITH A CAST-IRON BOX SET FLUSH WITHIN THE FINAL GRADE. FOR TRAFFICABLE APPLICATIONS, THE CAST-IRON BOX MUST MEET H-20 LOADING. FOR SOFTSCAPE AREAS, CLEANOUT ACCESS COVER SHALL BE SET FLUSH WITH FINAL GRADE (CAST-IRON BOX NOT REQUIRED). ALL COVERS SHALL BE INSCRIBED WITH THE WORD "DRAIN."

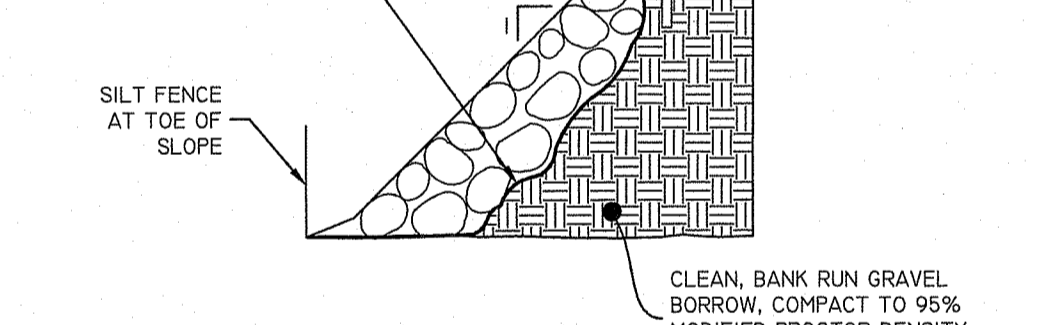


DRAINAGE CLEANOUT

NOT TO SCALE

NOTE:

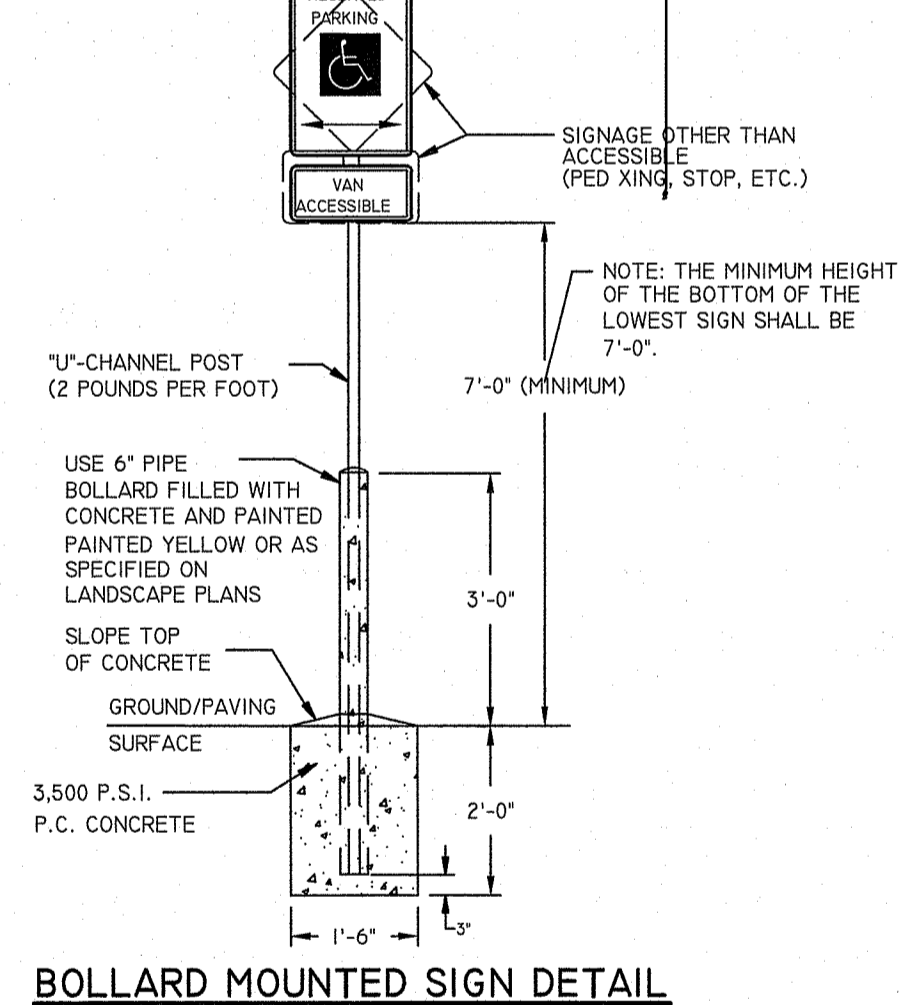
- SLOPES STEEPER THAN 2:1 ARE TO BE DESIGNED BY A GEOTECHNICAL ENGINEER.



REINFORCED 1:1 SLOPE DETAIL

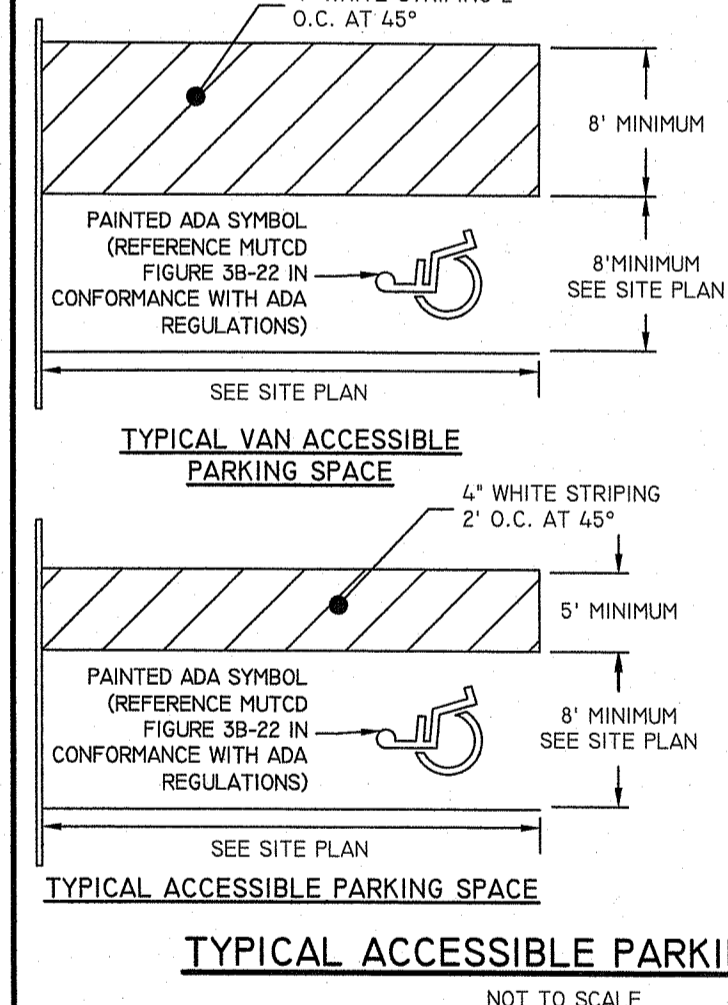
NOT TO SCALE

SLOPE PAVING
STONE FOR SLOPE PAVING SHALL BE SOUND, ANGULAR IN SHAPE, AND FREE FROM STRUCTURAL DEFECTS. EACH STONE SHALL HAVE ONE REASONABLY FLAT FACE AND THICKNESS PERPENDICULAR TO THE FACE OF NOT LESS THAN 300 MM, WHICH SHALL BE THE LEAST DIMENSION OF THE STONE.
APPROXIMATELY 60% OF THE STONES SHALL VARY FROM 0.06 TO 0.08 CUBIC METERS EACH IN VOLUME, AND THE REMAINDER OF THE STONES SHALL EACH BE FROM 0.03 TO 0.06 CUBIC METERS IN VOLUME.
75% OF STONES ARE TO BE GREATER THAN 500 LBS.



BOLLARD MOUNTED SIGN DETAIL

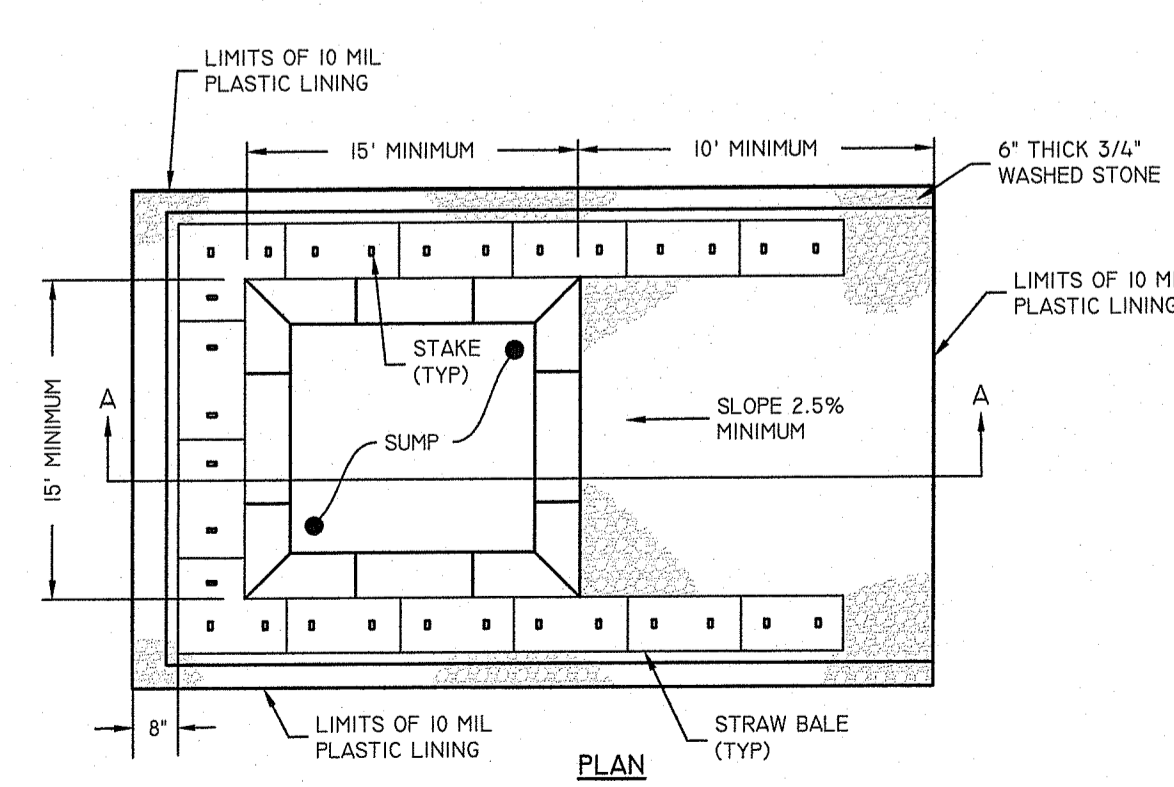
NOT TO SCALE



TYPICAL ACCESSIBLE PARKING SPACES

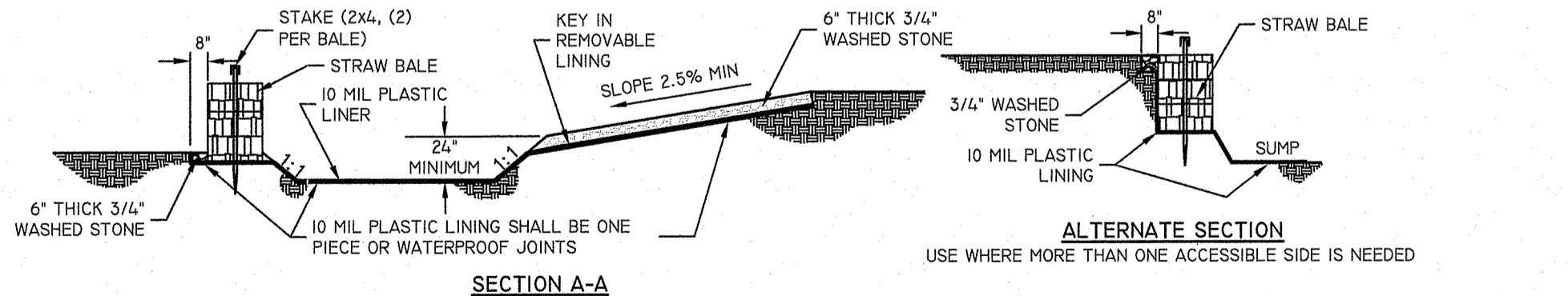
NOT TO SCALE

- NOTES:**
- ALL PAINT MUST BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M228 TYPE F. PAINT MUST BE APPLIED AS SPECIFIED BY THE MANUFACTURER.
 - APPLY 2 COATS OF TRAFFIC TYPE PAINT. APPLY THE FIRST COAT NOT LESS THAN FIVE DAYS AFTER THE PLACING OF BITUMINOUS PAVEMENT. ALLOW FOR MINIMUM CURE TIME OF 24 HOURS BETWEEN APPLICATIONS.
 - FOR REDEVELOPMENT SITES, PAINT COLOR AND SIZE/ STENCILING OF PAINTED ADA SYMBOL MUST MATCH ADJACENT SPACES, SO LONG AS THEY COMPLY WITH THE CURRENT EDITIONS OF ALL APPLICABLE STANDARDS AND REGULATIONS.



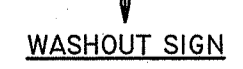
CONCRETE WASHOUT AREA

NOT TO SCALE

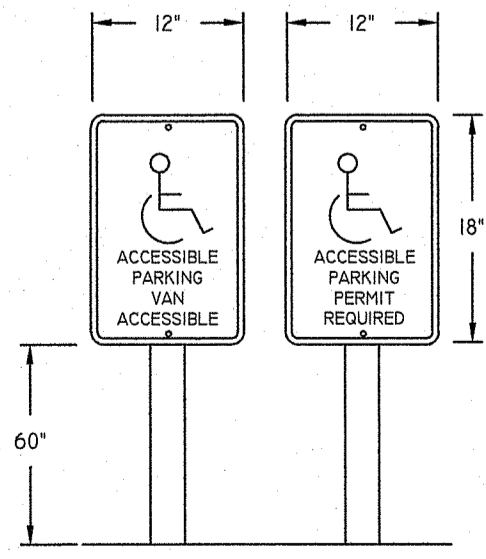


SECTION A-A

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



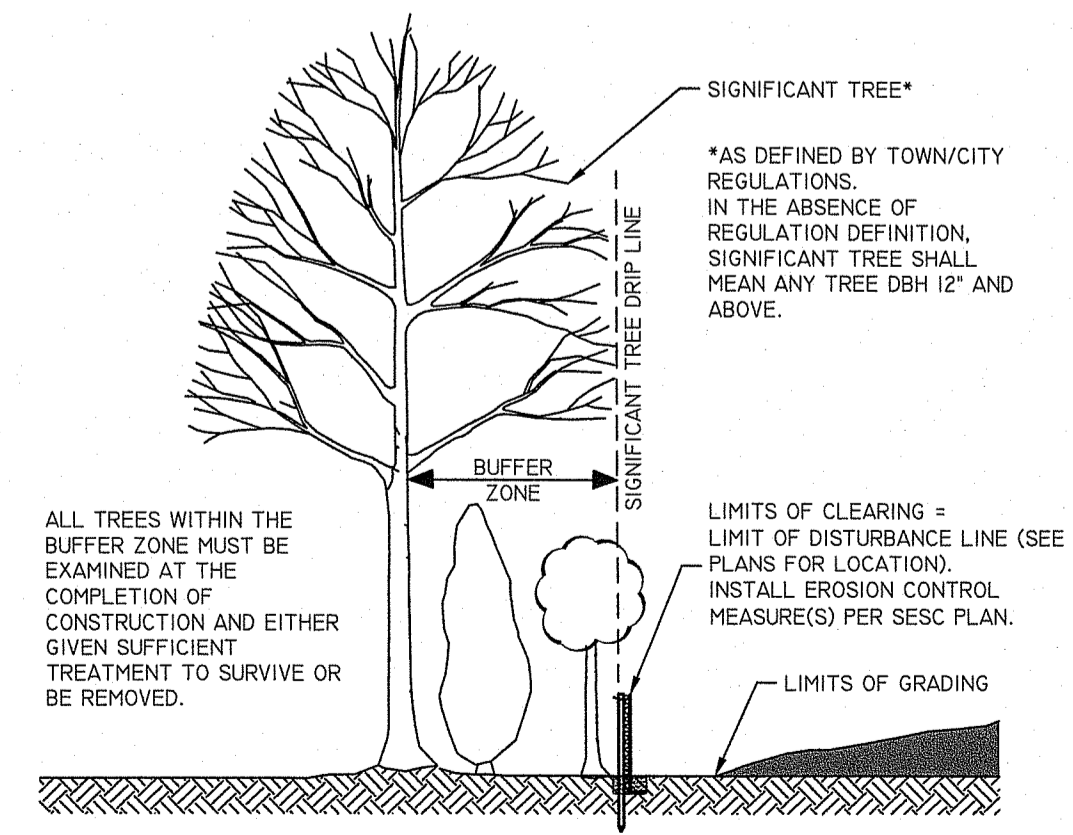
WASHOUT SIGN



TYPICAL ACCESSIBLE PARKING POST & SIGN

NOT TO SCALE

- NOTES:**
- SIGN MUST BE PLACED BEHIND APPLICABLE VAN ACCESSIBLE OR ACCESSIBLE SPACE AS SHOWN ON SITE PLAN.
 - ACCESSIBLE PARKING SPACES AND SIGNAGE MUST COMPLY WITH LATEST VERSION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) OR THE APPLICABLE STATE/ MUNICIPAL BUILDING CODE, WHICHEVER STANDARD CONTROLS.



LIMIT OF DISTURBANCE AT VEGETATION

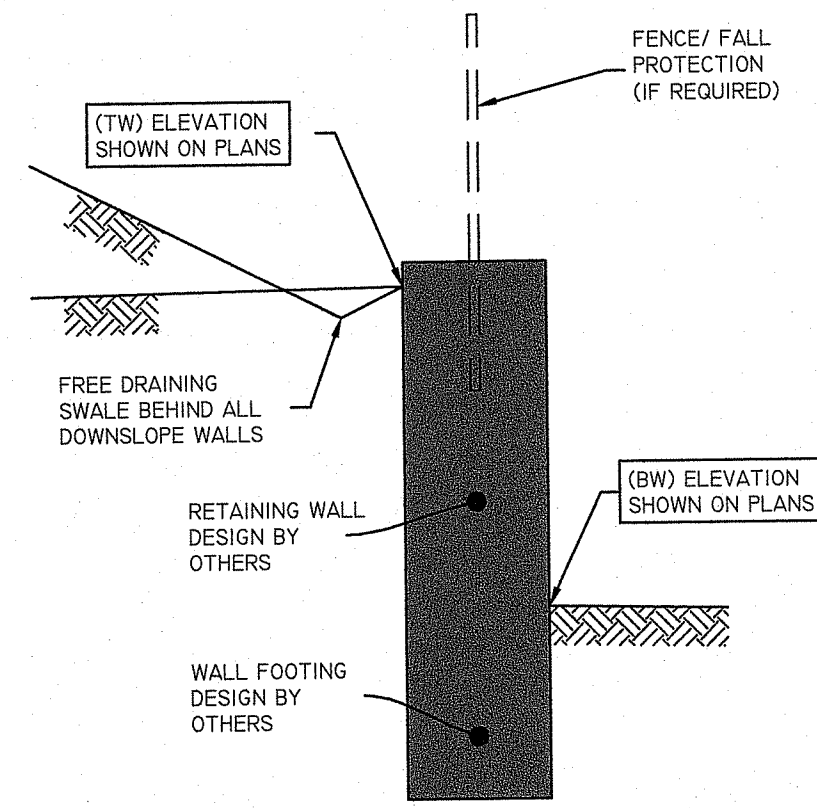
NOT TO SCALE

JASON P. CLOUD
REGISTERED PROFESSIONAL ENGINEER CIVIL
No. 0101010101
OCT 19 2021

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED FOR CONSTRUCTION AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OF THE STATE OF RHODE ISLAND.
DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY.
THE USER'S SAFETY IS RESPONSIBILITY AND SHALL BE THE USER'S RESPONSIBILITY IN THE IMPLEMENTATION OF THIS PLAN AND CONFORMANCE WITH ALL APPLICABLE REGULATIONS AND STANDARDS.
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. ONLY A DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE LOCATION AND DEPTHS OF EXISTING UTILITIES.
SEE UTILITY NOTE ON SHEET 5.

N.D.	DATE	DESCRIPTION	DESIGN BY: N.D.K.
01-05-2020		PRELIMINARY SUBMISSION	
01-05-2020		FINAL SUBMISSION	
01-05-2020		CONSTRUCTION	

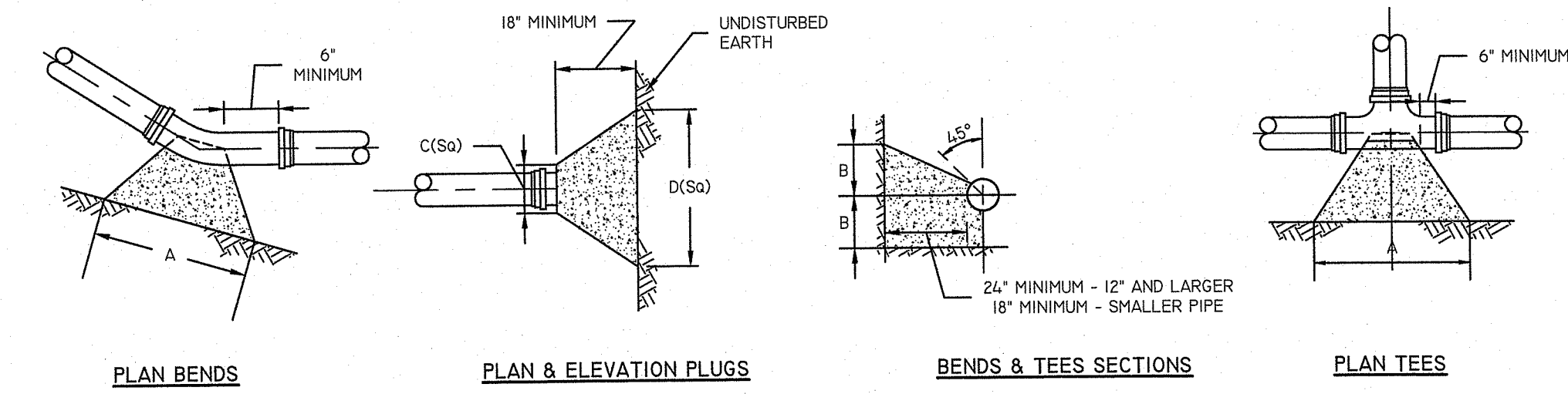
DETAIL SHEET-1
OLD LOUISISETT CONDOS
ASSESSOR'S MAP 0101010101, 0101010101, 0101010101
NORTH BRIMFIELD, RHODE ISLAND
PREPARED FOR:
BB/WW PROPERTIES LLC c/o BRIAN BUCCI
P.O. BOX 6187, WARWICK, RHODE ISLAND 02887



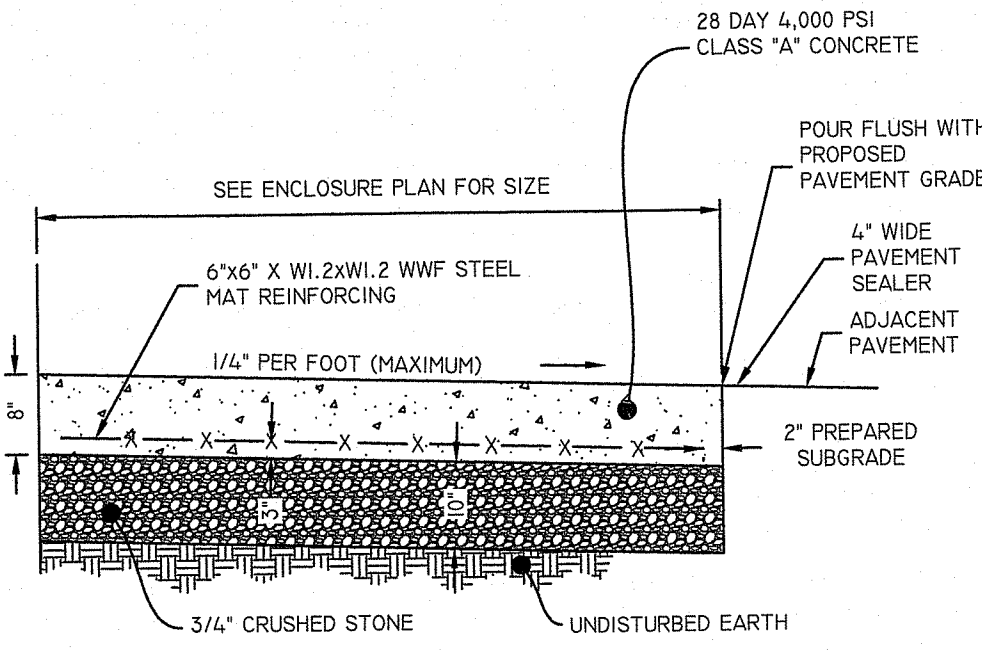
TYPICAL RETAINING WALL SECTION
NOT TO SCALE

- 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

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"		
8"	26"	15"	12"	26"	32"	16"	24"	12"	17"	9"	12"	6"		
10"	34"	17"	14"	34"	40"	20"	30"	15"	22"	11"	15"	8"		
12"	41"	20"	16"	41"	48"	24"	35"	18"	25"	13"	18"	9"		
16"	54"	27"	20"	54"	64"	32"	47"	23"	34"	17"	24"	12"		



THRUST BLOCK
NOT TO SCALE



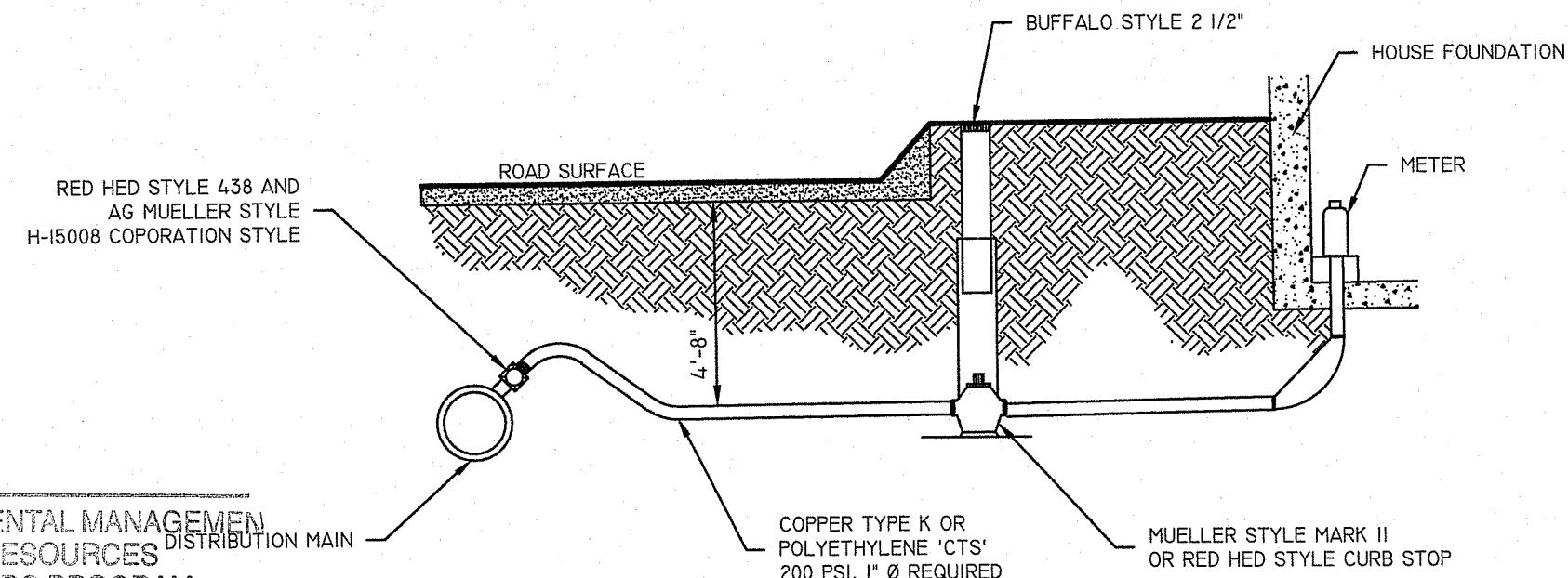
- NOTES:**
1. PROVIDE ISOLATION JOINT WHERE CONCRETE ABUTS A RIGID STRUCTURE.

CONCRETE DUMPSTER PAD
NOT TO SCALE

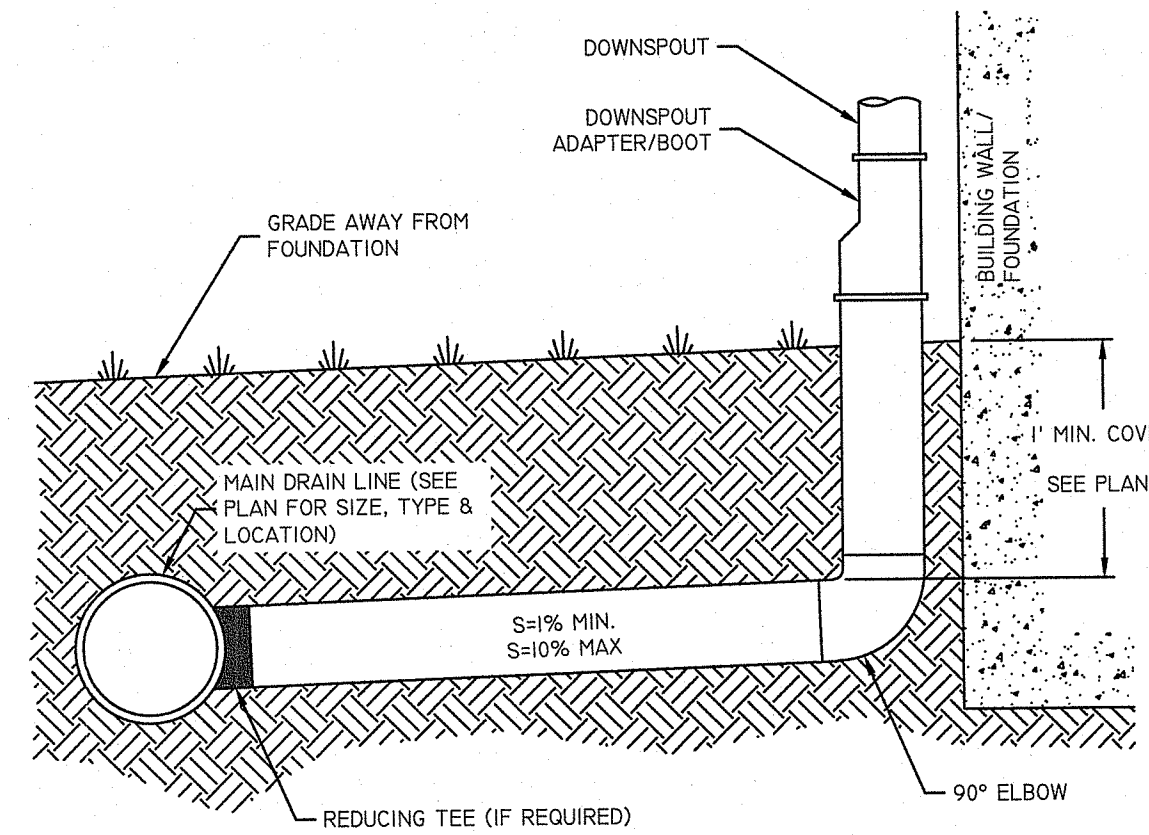
RI Environ
OCT 19 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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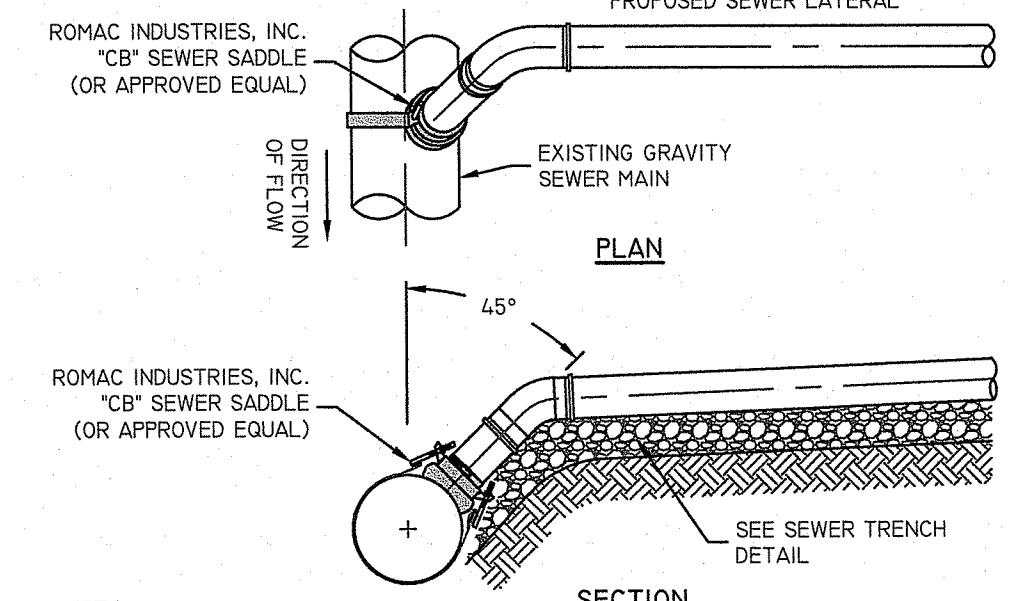
Molly L. Freeman



WATER SERVICE INSTALLATION (TYP)
NOT TO SCALE

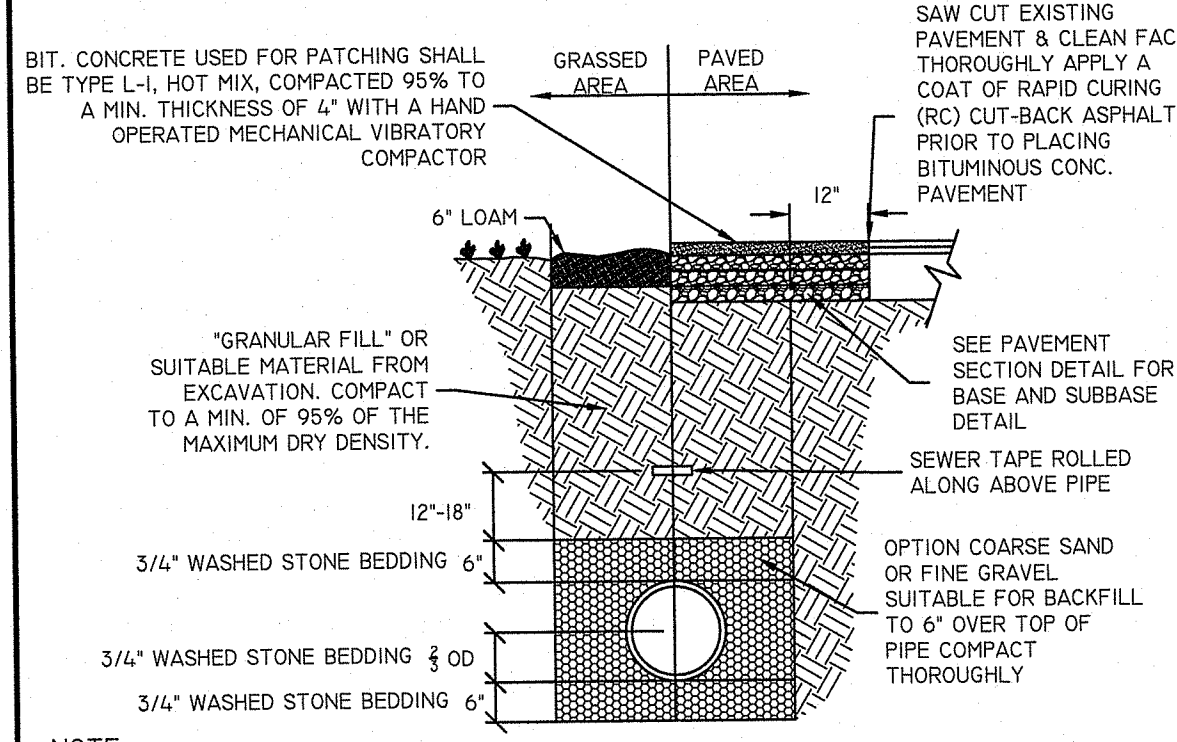


DOWNSPOUT CONNECTION DETAIL
NOT TO SCALE



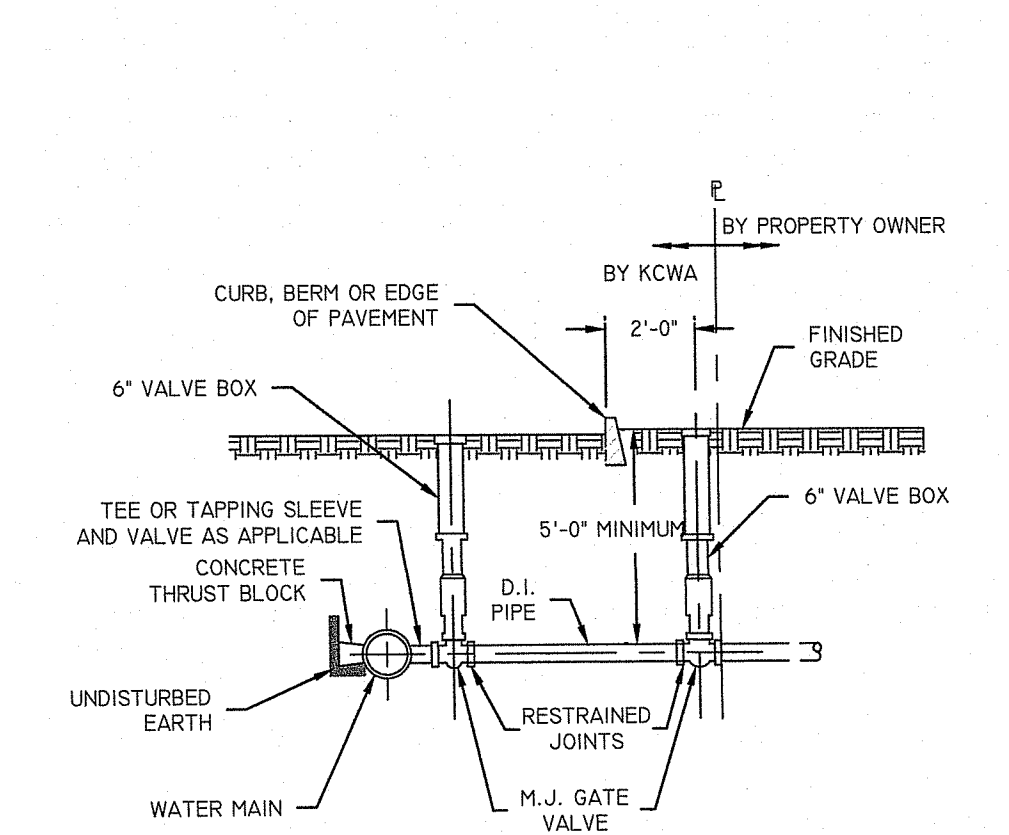
- NOTES:**
- 1) SADDLE MUST BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER SPECIFICATIONS AND INSTRUCTIONS.
 - 2) ALL PIPE AND FITTINGS MUST BE GASKETED SDR-35 PVC PVC.
 - 3) SEWER SERVICE AND CONNECTION INTO EXISTING SEWER MAIN MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE WATER AUTHORITY RULES AND REGULATIONS.
 - 4) CONTRACTOR TO ENSURE EXISTING SEWER MAIN IS NOT DAMAGED DURING CONSTRUCTION/ INSTALLATION OF SERVICE.

SEWER SADDLE CONNECTION DETAIL
NOT TO SCALE



- NOTE:**
1. WIDTH (W) OF TRENCH IS EQUAL TO THE INSIDE DIAMETER OF THE PIPE PLUS 12"
 2. SOIL UNDER CRUSHED STONE FOUNDATION SHALL BE UNDISTURBED AND COMPACTED MATERIAL WITH SEVERAL PASSES OF A VIBRATORY PLATE COMPACTOR.
 3. CRUSHED STONE FOUNDATION 3/4" MAXIMUM SIZE, SHALL BE PLACED 6" UNDER THE PIPE NO UP TO THE PIPE LAID THEREON, CRUSHED STONE PULLED AGAINST THE PIPE SIDES TO FIRMLY HOLD THE PIPE IN PLACE.
 4. CRUSHED STONE HAUNCHING 3/4" MAXIMUM SIZE SHALL BE BROUGHT LEVEL TO THE TOP OF THE PIPE AND OUT TO THE TRENCH WALL AT THIS ELEVATION FOR ALL PIPE.

Sewer Line Trench Detail
NOT TO SCALE



SERVICE CONNECTION GREATER THAN 4"
NOT TO SCALE

JASON P. CLOUD
No. 1010
REGISTERED PROFESSIONAL ENGINEER CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED, ISSUED FOR CONSTRUCTION AND STAMPED BY ENGINEERING. REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE ENGINEERING PROJECT. DIPRETE ENGINEERING, DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING, DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND ANY CUSTOMER USES SHOWN ON THE PLAN ARE APPROXIMATE ONLY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION OF EXISTING UTILITIES. SEE UTILITY NOTES ON SHEET 3.

NO.	DATE	DESCRIPTION	DESIGNED BY: N.D.K.	
			DATE	BY:
1	05-15-2021	PRELIMINARY SUBMISSION	N.D.K.	N.D.K.
2	5-27-2021	PRELIMINARY DETERMINATION SUBMISSION	N.D.K.	N.D.K.
3				

DESIGN BY: N.D.K.
DRAWN BY: N.D.K.

DETAIL SHEET-2
OLD LOUISUISSET CONDOS
ASSESSOR'S PLAT 13 LOTS III, 123, & 143
NORTH SMITHFIELD, RHODE ISLAND
PREPARED FOR:
BB/WW PROPERTIES LLC C/O BRIAN BUCCI
P.O. BOX 6167, WARWICK, RHODE ISLAND 02887

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