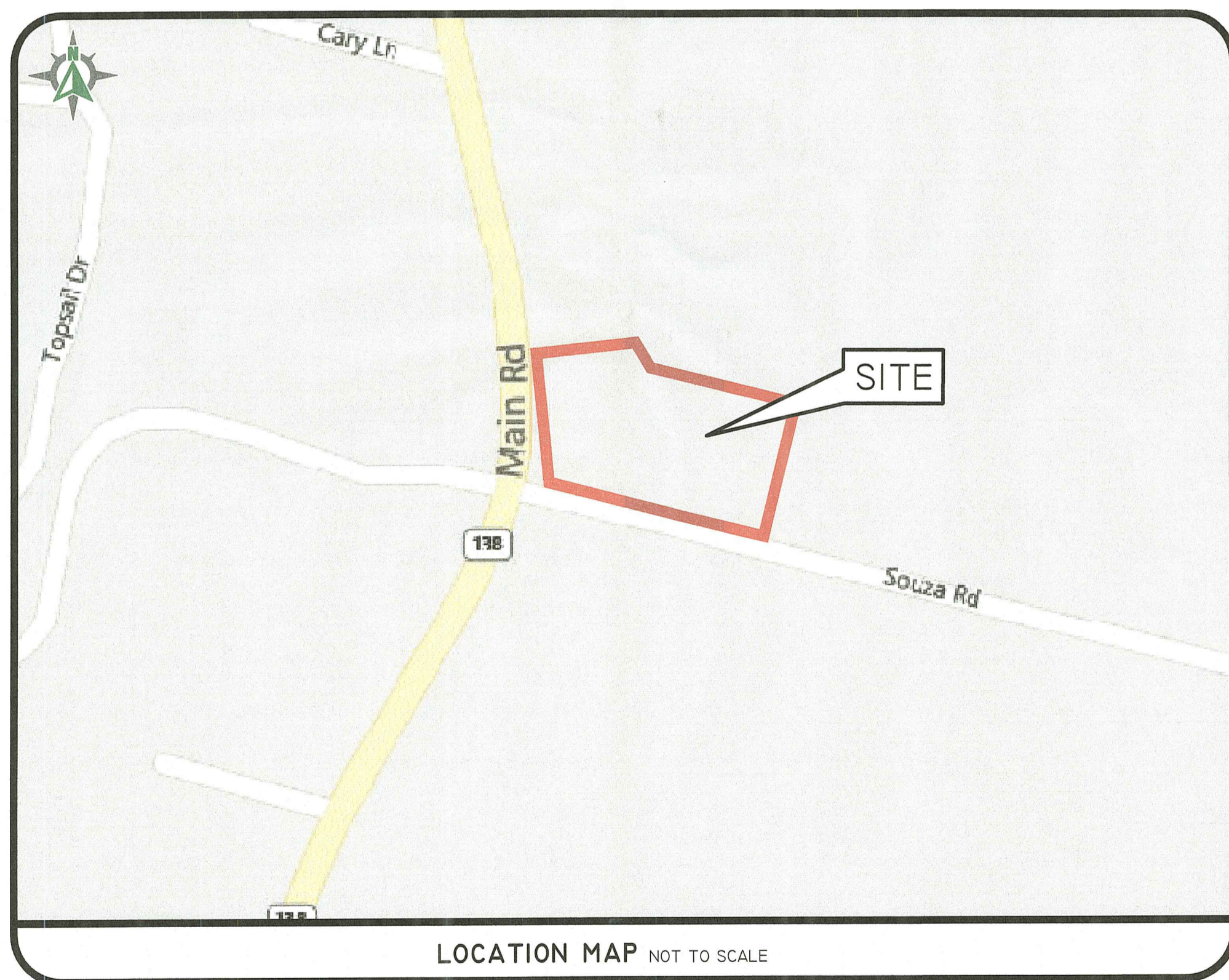


PERMITTING PLAN SET

SEASONS CORNER MARKET

LOCATED ON SOUZA ROAD
TIVERTON, RHODE ISLAND
ASSESSOR'S PLAT 119 LOT 624



SHEET LIST TABLE

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(by John C. Carter & Company, Inc.)
- (2 of 2) Landscape Notes & Details (by
John C. Carter & Company, Inc)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2023 FILE #: 23-0100
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Audie D. Osgood

RI Environmental Management
AUG 22 2023
Office of Water Resources

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.

RIDOT
ALL WORK WITHIN THE STATE RIGHT OF WAY MUST CONFORM TO THE RI STANDARD SPECIFICATIONS, DETAILS, AND ADDENDUMS.

DiPrete Engineering

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

Boston • Providence • Newport

AUDIE D. OSGOOD
Audie D. Osgood
REGISTERED PROFESSIONAL ENGINEER CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED, ISSUED FOR CONSTRUCTION, AND STAMPED BY THE REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE LOCAL, STATE, FEDERAL, AND INTERNATIONAL REGULATIONS AND ORDINANCES IN THE IMPLEMENTATION OF THIS PLAN AND CONFORMANCE WITH THE REQUIREMENTS OF THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES, AND THE RI DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE.
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES. SEE UTILITY NOTES ON SHEET 3.

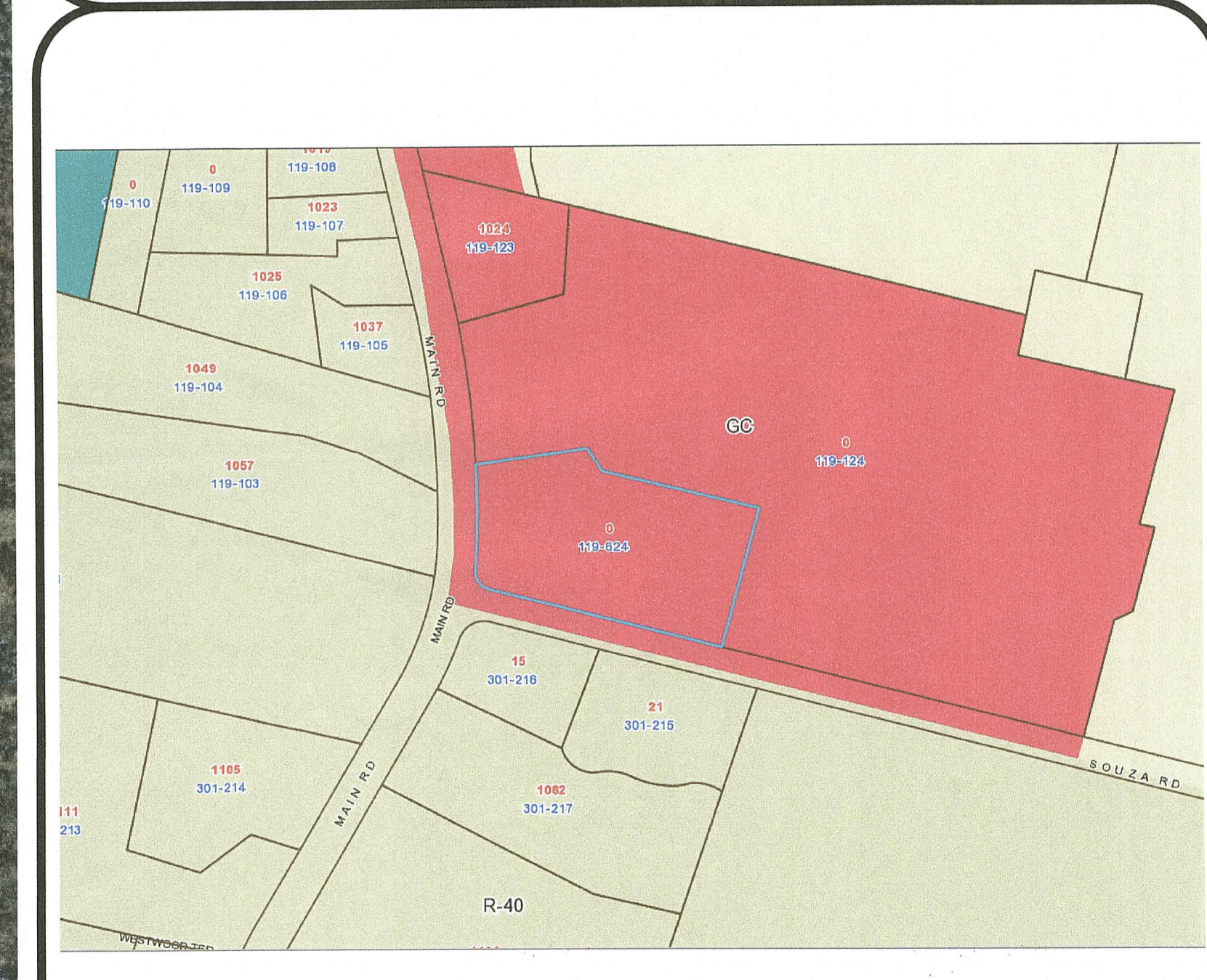
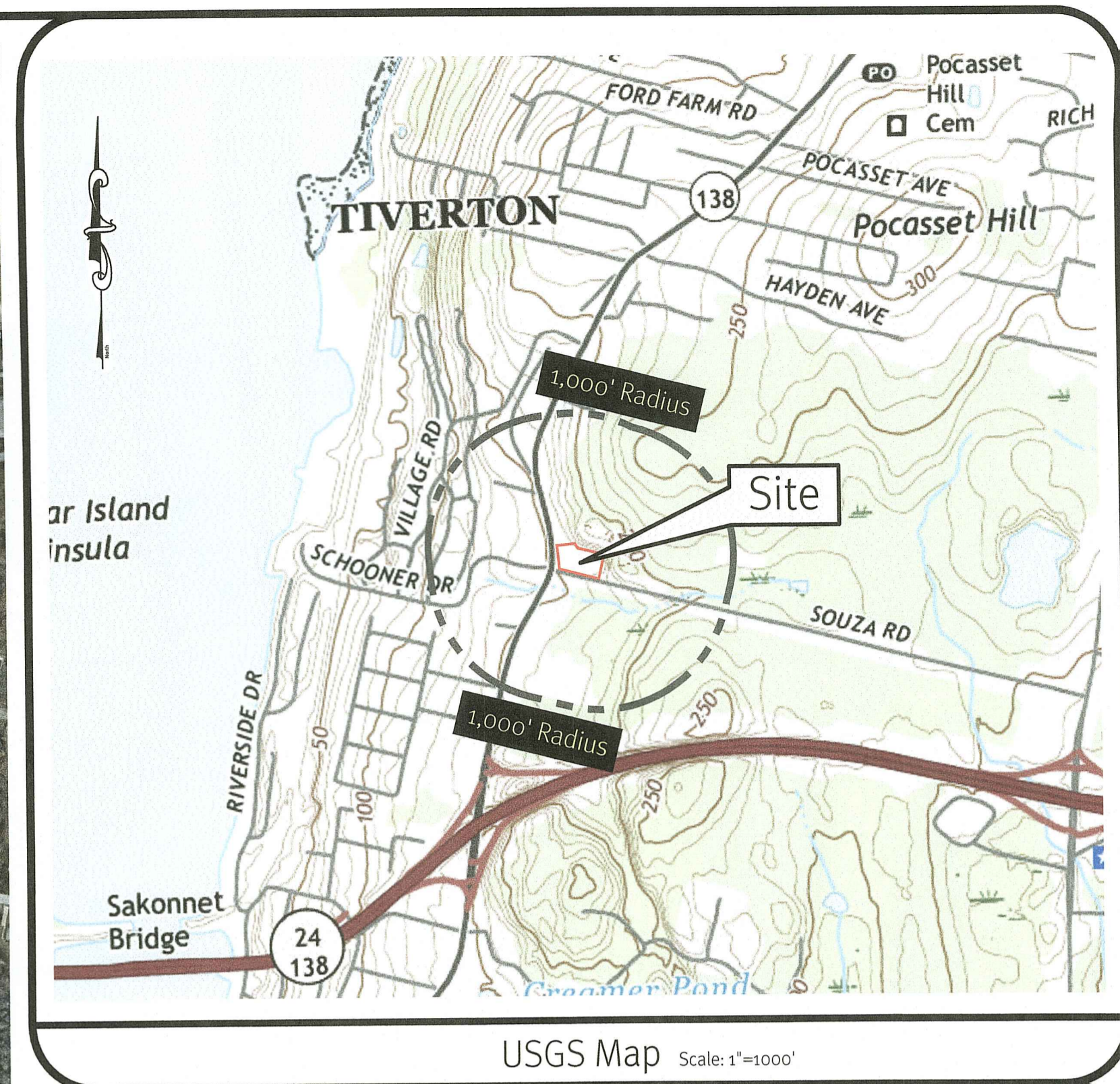
| NO. | DATE | DESCRIPTION | B.A.W. | N.D.K. | BY: |
|-----|------------|-----------------------------------|--------|--------|-------------------|
| 0 | 05-15-2024 | PERMITTING PLAN SUBMISSION | | | DESIGN BY: N.D.K. |
| 1 | 08-09-2023 | RECEIVED PER DEPT. & DOT COMMENTS | | | |

COVER SHEET

SEASONS CORNER MARKET
ASSESSOR'S PLAT 119 LOT 624
TIVERTON, RHODE ISLAND
PREPARED FOR:
COLBEA ENTERPRISES, LLC
695 GEORGE WASHINGTON HWY., LINCOLN, RI 02865
TEL 401-943-0055 FAX 401-943-5309

Z:\MECHANICAL\PROJECTS\2364-007 MAIN ROAD & SOUZA ROAD\AUTOCAD DRAWINGS\2364-007-CVAR.DWG PLOTTER: 8/16/2023

Z:\DEPT\PROJECTS\2562-007 MAIN ROAD & SOUZA ROAD\AUTOCAD DRAWINGS\2562-007-CIVIL\DWG_PLOTTER.DWG 8/16/2023



Legend:

- GC
- HC
- I
- OS
- R-30
- R-40
- R-80
- VC
- W

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2023 FILE #: 23-0100
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

Paul Cloutier

Notes:

- PER ARTICLE X SECTION 5 OF THE TIVERTON ZONING ORDINANCE, THERE IS NO CHURCH, SCHOOL, PARK OR PLAYGROUND WITHIN 1,500 FEET OF THE SITE.

Photo Obtained from Nearmap. Date of Photography 03/14/2020.

Scale: 1"=300'

Environmental Management
AUG 22 2023
Office of Water Resources

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

AUDIE D. OSGOOD
REGISTERED PROFESSIONAL ENGINEER
CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED, ISSUED FOR CONSTRUCTION, AND STAMPED BY THE REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE FIELD AND OSHA COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND CUSTOMER LITERATURE SHOWN ON THIS IS AN APPROXIMATE ONLY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR SEE UTILITY NOTES ON SHEET 3.

| | | | |
|------------|------|------------------------------------|-------------------|
| NO. | DATE | DESCRIPTION | BY: |
| 08-09-2023 | 1 | REVISION PER ORDEN & LOT CORRECTIS | R.A.W. |
| 03-15-2023 | 2 | PERMITTING PLAN SUBMISSION | N.D.K. |
| | | | BY: |
| | | | DESIGN BY: N.D.K. |
| | | | DRAWN BY: N.D.K. |

**AERIAL HALF MILE RADIUS
SEASONS CORNER MARKET**
TIVERTON, RHODE ISLAND
PREPARED FOR:
COLBEA ENTERPRISES, LLC
695 GEORGE WASHINGTON HWY, LINCOLN, RI 02865
TEL 401-943-1005 FAX 401-943-5309

DE JOB NO: 2562-007 COPYRIGHT 2023 BY DIPRETE ENGINEERING ASSOCIATES, INC.

SHEET 2 OF 14

GENERAL NOTES:

- 1. THE SITE IS LOCATED ON THE TOWN OF TIVERTON ASSESSOR'S PLAT 119 LOT 62A.
2. THE SITE IS APPROXIMATELY 1.52± ACRES AND IS ZONED GC.
3. THE OWNER OF AP 119 LOT 62A IS: COLBEA ENTERPRISES, LLC
2050 PLAINFIELD PIKE CRANSTON, RI 02921
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (UNSHADED). REFERENCE FEMA FLOOD INSURANCE RATE MAP 4405030039J, MAP REVISED SEPTEMBER 4, 2013. (FLOOD PLAIN DESCRIPTIONS SHOWN BELOW).
5. THE BOUNDARY LINES 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-2 TOPOGRAPHICAL SURVEY STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS BY DIPRETE ENGINEERING.
7. ALL WORK PERFORMED HEREIN IS TO BE GOVERNED BY CURRENT EDITIONS OF THE RHODE ISLAND STANDARD SPECIFICATIONS 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) NATURAL HERITAGE AREA (RIDEM) NARROW RIVER SPECIAL AREA MANAGEMENT PLAN (CRMC) SALT PONDS SPECIAL AREA MANAGEMENT PLAN (CRMC) GROUNDWATER PROTECTION OVERLAY DISTRICT (TOWN)
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:
10. SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
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 DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS, FOCAL POINT AND UNDERGROUND DRAINAGE SYSTEMS. 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 7/16/2021.
15. WETLAND DELINEATED BY DIPRETE ENGINEERING AND SURVEYED BY DIPRETE ENGINEERING USING SUBMETER GPS ON DATE 01/8/2021.
16. ANY PROPRIETARY PRODUCTS REFERENCED IN THIS PLAN SET ARE REPRESENTATIVE OF THE MINIMUM DESIGN REQUIREMENTS FOR THE PURPOSE THEY PROPOSE 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 ALTERNATIVES 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.
17. 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/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)
SOIL NAME DESCRIPTION
CHB CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES
NEB NEWPORT SILT LOAM, 3 TO 8 PERCENT SLOPES
LD URBANTHENS-URBAN LAND COMPLEX

SOIL EROSION AND SEDIMENT 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 MUST 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 TRAP, ETC. MUST BE INSTALLED PER THE LATEST EDITION OF THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL (RISESC) HANDBOOK AND THE SOIL EROSION AND SEDIMENT 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 RISESC HANDBOOK, BUT IS CONSIDERED A GUIDE ONLY. ADDITIONAL MEASURES/ALTERNATE CONFIGURATIONS MAY BE REQUIRED IN ORDER TO MEET THE RISESC 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 MUST BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED SITE WORK, AND MUST BE VEGETATED AFTER CONSTRUCTION. EROSION CONTROL MATS MUST 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 MUST BE CLEARED AND FINAL DESIGN, INCLUDING INSTALLATION OF THE GRASS SWALE MUST BE PER THE DESIGN PLANS.
4. ONCE THE SEDIMENT TRAP IS NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE TEMPORARY SEDIMENT TRAP MUST BE CLEARED AND BROUGHT TO FINAL DESIGN GRADES.
5. INLET PROTECTION MUST 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 PERFORMED IN THE DESIGNATED CONCRETE WASHOUT AREA.

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 MUST 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 TRUCKS AND ACTIVE TRAFFIC.
4. ALL SIGNS, FLAGGERS, TRAFFIC CONTROL DEVICES, AND TEMPORARY TRAFFIC ZONE ACTIVITIES MUST MEET THE REQUIREMENTS OF THE 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:

- 1. 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 MUST 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.

RIDOT NOTES:

- 1. ALL WORK TO BE DONE WITHIN THE STATE RIGHT OF WAY MUST CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AMENDED MARCH 2018 WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE RHODE ISLAND STANDARD DETAILS DATED JUNE 21, 2019 WITH ALL REVISIONS.
2. CONTRACTOR MUST OBTAIN A UTILITY CONNECTION PERMIT FOR WORK WITHIN THE STATE RIGHT-OF-WAY (ROW) PRIOR TO CONSTRUCTION. THE PHYSICAL ALLOCATION PERMIT (PAP) IS NOT A SUBSTITUTE FOR THE UTILITY PERMIT AND THE PAP DOES NOT CONSTITUTE AN APPROVAL OF ANY UTILITY WORK.
3. ALL TRAFFIC CONTROL MUST CONFORM TO THE MUTCD, LATEST EDITION, WITH ALL REVISIONS.
4. NO LANE OR SHOULDER CLOSURES ARE ALLOWED TO BE PERFORMED WITHIN THE STATE ROAD DURING PEAK TRAFFIC HOURS.
5. SEWER AND WATER CONNECTIONS WITHIN THE STATE ROW WILL REQUIRE A SEPARATE RIDOT UTILITY PERMIT, WHICH CONTRACTOR MUST OBTAIN BEFORE CONSTRUCTION.
6. WORK WITHIN THE STATE'S ROW WILL CONFORM TO PROPOSED PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). WORK ON-SITE WILL CONFORM TO AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) UNLESS THE WORK IS ON STATE OWNED LAND.

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 MUST BE PRECAST CONCRETE, OR MONOLITHIC CONCRETE, OR AS LABELED ON THE PLANS.
3. SIDEWALK MUST 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 PERTAINING 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. INFRASTRUCTURE TREATMENT OF PAVEMENT IS REQUIRED AT ALL CURB CUTS, AT ANY DISTURBED PAVEMENT ON ROADWAYS, AND WHERE ANY NEW PAVEMENT MEETS EXISTING PAVEMENT.
9. ALL EXISTING PAVEMENT MARKING REMOVED AS INCIDENTAL DURING CONSTRUCTION MUST BE REPLACED IN-KIND FOLLOWING COMPLETION OF CONSTRUCTION UNLESS OTHERWISE NOTED.
10. NEW PAVEMENT MARKING MUST BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M218 TYPE F. PAINT MUST BE APPLIED AS SPECIFIED BY THE MANUFACTURER.

GRADING AND UTILITY NOTES:

- 1. CONSTRUCTION TO COMMENCE FALL 2023 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 IS 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. BIOTRIENTION, CONTRACTOR MUST NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SITE AND BUILDINGS MUST 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 MUST 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 MUST 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 THESE PLANS.
7. ALL CUT AND FILL WORK MUST BE DONE UNDER THE DIRECTION OF A PROFESSIONAL GEOTECHNICAL ENGINEER, WITH TESTING AND CERTIFICATION PROVIDED TO THE OWNER 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. MATERIAL STOCKPILES MUST NOT BE LOCATED IN THE RIGHT-OF-WAY, AND TRENCHES MUST NOT BE LEFT OPEN OVERNIGHT.
9. ALL EXCESS SOIL, TREES, ROCKS, BOLLARDS, AND OTHER REFUSE, MUST BE DISCARDED OFF SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. STUMPS MUST BE GROUND ON SITE OR REMOVED.
10. THE SITE WILL HAVE 6" CONCRETE CURBING. SITE GRADING/CONTOURS SHOWN ON THE PLANS DO NOT NECESSARILY REFLECT THE APPROPRIATE CURBING REVEAL. CONTRACTOR MUST INSTALL CURBING WITH APPROPRIATE REVEAL, UNLESS OTHERWISE NOTED.
11. NO STUMP PUMPS ARE PROPOSED ON SITE.
12. ALL DRAINAGE OUTFALLS ARE DESIGNED TO BE INSTALLED AT EXISTING GROUND ELEVATION. CONTRACTOR MUST IMMEDIATELY NOTIFY DIPRETE ENGINEERING OF ANY DISCREPANCIES WHERE EXISTING GROUND IS HIGHER THAN OUTFALL DESIGN ELEVATION. 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.
13. CONTRACTOR MUST PROVIDE SUMP CUTTING AND FILL DEPTH PAVEMENT RESTORATION IN AREAS WHERE PAVEMENT AND/OR SIDEWALK IS REMOVED FOR UTILITY INSTALLATION.
14. IF ROADWAY SURFACE PAVEMENT COURSE IS NOT TO BE INSTALLED FOR 12 MONTHS OR MORE AFTER INSTALLATION OF DRAINAGE STRUCTURES, ALL CATCH BASIN RIMS MUST BE SET AT BINDER GRADE AND RAISED TO FINAL PAVEMENT GRADE PRIOR TO PLACEMENT OF SURFACE COURSE.
DRAINAGE
ALL DRAINAGE PIPING MUST BE HIGH-DENSITY POLYETHYLENE (HDPE) WITH WATERTIGHT JOINTS WHERE INSTALLED WITHIN THE SEASONAL, HIGH GROUNDWATER TABLE, UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. ALL STORMWATER PIPE WITHIN THE STATE'S RIGHT-OF-WAY MUST BE REINFORCED CONCRETE PIPE (RCP).
DRAINAGE STRUCTURES MUST BE AS FOLLOWS (UNLESS OTHERWISE NOTED ON PLANS):
• CATCH BASINS ALONG CURBING: RIDOT STD. 4.4.0, TYPE F, 4" DIAMETER WITH APRON STONE
• CATCH BASINS NOT ALONG CURBING: RIDOT STD. 4.4.0, 4" DIAMETER
• CATCH BASINS MUST HAVE 3 FT SUMPS WITHOUT SEEP HOLES
• SINGLE FRAME CATCH BASIN GRATES: RIDOT STD 6.3.2
• MANHOLES: RIDOT STD 4.2.0, 4.2.1 OR 4.2.2 AS REQUIRED
• DRAINAGE MANHOLE COVERS: RIDOT STD 6.2.1
• DROP INLETS: RIDOT STD. 4.5.0, 4.5.1, OR 4.5.2
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 AND PIPE SLOPES THAT THE INTO MAIN TRUNK LINE MUST BE FIELD FIT BY CONTRACTOR.
SANITARY SEWER
ALL SANITARY SEWER PIPING MUST BE SDR 35 UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. ALL SEWER IMPROVEMENTS MUST COMPLY WITH THE TIVERTON WASTEWATER RULES AND 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 BACKFLOW PREVENTERS. ALL COMPONENTS OF THE WATER SYSTEM MUST BE INSPECTED PER STONE BRIDGE WATER CONTRACTOR MUST COORDINATE ALL IMPROVEMENTS WITH STONE BRIDGE WATER TO ENSURE INSPECTOR IS ON SITE.
WATER
ALL WATER MAINS MUST BE CEMENT LINED DUCTILE IRON PIPE (CLDIP). ALL WATER MAIN IMPROVEMENTS MUST COMPLY WITH STONE BRIDGE 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 BACKFLOW PREVENTERS. ALL COMPONENTS OF THE WATER SYSTEM MUST BE INSPECTED BY STONE BRIDGE WATER CONTRACTOR MUST COORDINATE ALL IMPROVEMENTS WITH STONE BRIDGE WATER 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 AND CONTRACTOR MUST COORDINATE FINAL DESIGN WITH APPROPRIATE UTILITY COMPANIES. ALL WORK MUST BE IN ACCORDANCE WITH EACH UTILITY COMPANY'S STANDARDS AND DETAILS AS LOCAL AND FEDERAL REGULATIONS. THIS INCLUDES BUT IS NOT LIMITED TO POLES, TRANSFORMERS, PULL BOXES, CONCRETE PADS, CONCRETE ENCASUREMENTS 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 MUST 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 POLES MUST BE COORDINATED WITH THE APPROPRIATE UTILITIES, AND MUST BE LOCATED WITHIN THE STREET RIGHT-OF-WAY. FINAL LIGHTING AND CONDUIT LOCATIONS BY OTHERS.
AMERICANS WITH DISABILITIES ACT (ADA) NOTES:
1. ALL IMPROVEMENTS MUST COMPLY WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG) BY THE US 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 DIAGONALLY), MUST BE LESS THAN OR EQUAL TO 2% (0.02 FT/FT). DIPRETE ENGINEERING 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 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 FOR PROVIDING THE LEVEL OF CARE NECESSARY TO BE CERTAIN THAT THE CONSTRUCTED PRODUCT MEETS ADA/CONTROLLING STANDARDS. IN THE EVENT OF ANY NONCOMPLIANCE, THE CONTRACTOR MUST NOTIFY THE DESIGNER BEFORE CONSTRUCTION FOR ADVICE IN FINDING A RESOLUTION.

ABBREVIATIONS LEGEND:

Table with 3 columns: Abbreviation, Description, and Notes. Includes entries like ADA AMERICANS WITH DISABILITY ACT, AHJ AUTHORITY HAVING JURISDICTION, ARCH ARCHITECT, BC BOTTOM OF CURB, BT BOTTOM OF TESTHOLE, etc.

EXISTING LEGEND:

Table with 3 columns: Symbol, Description, and Notes. Includes entries like N/A NOW OR FORMERLY, OHW OVERHEAD WIRE, PE POLYETHYLENE, R PROPERTY LINE, etc.

SITE CALLOUTS LEGEND:

Table with 2 columns: Callout Number and Description. Includes entries like 7.1.0 RIDOT STD PRECAST CONCRETE CURB, 7.1.1 RIDOT STD 3'-0" PRECAST CONCRETE TRANSITION CURB, 7.6.0 RIDOT STD CURB SETTING DETAIL, etc.

PROPOSED LEGEND:

Table with 3 columns: Symbol, Description, and Notes. Includes entries like PROPERTY LINE, BUILDING SETBACKS, CHAINLINK FENCE, etc.

NOTE: THIS PLAN MUST BE REPRODUCED IN COLOR

PERMIT NOTE:

THE PURPOSE OF THIS PLAN SET IS TO OBTAIN A PERMIT FROM THE REGULATORY AGENCY IT WAS SUBMITTED TO. THIS PLAN SET CONTAINS THE REQUIRED INFORMATION NECESSARY FOR APPROVAL BY THE SPECIFIC AGENCY IT WAS SUBMITTED TO AND MAY NOT HAVE INFORMATION NECESSARY FOR OTHER REGULATORY AGENCIES. THIS PLAN SET MUST NOT BE CONSIDERED AS A FULL CONSTRUCTION OR BID SET. ADDITIONAL DETAIL IS REQUIRED FOR CONSTRUCTION AND BID DOCUMENTS, SUCH AS (BUT NOT LIMITED TO) FINE GRADING, GRADING BETWEEN THE CONTOUR INTERVAL, ADDITIONAL SURVEY MAPPING, BUILDING SHAPE/ LOCATION, ADA UTILITY CONNECTIONS, UTILITY CROSSINGS, SURFACE AND GROUND WATER MITIGATION, SOIL STABILITY AND CONSISTENCY, SPECIFIC END USER NEEDS, CONSTRUCTABILITY ISSUES, ETC. ANY USER OF THESE PLANS SHOULD UNDERSTAND THIS LIMITATION.

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, PAVEMENT 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 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 1926.11 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 NEEDED 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 SHOWN ON THESE PLANS. LOCATIONS, EXISTENCE, OR LACK OF EXISTENCE OF COMPANY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED.

DiPrete Engineering logo and contact information: Two Stafford Court Cranston, RI 02920. Tel: 401-943-6000 Fax: 401-461-6006 www.diprete-eng.com

AUDIE D. OSGOOD logo and registration information: REGISTERED PROFESSIONAL ENGINEER CIVIL

Table with 4 columns: No., Date, Description, and Comments. Includes entries for revision 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

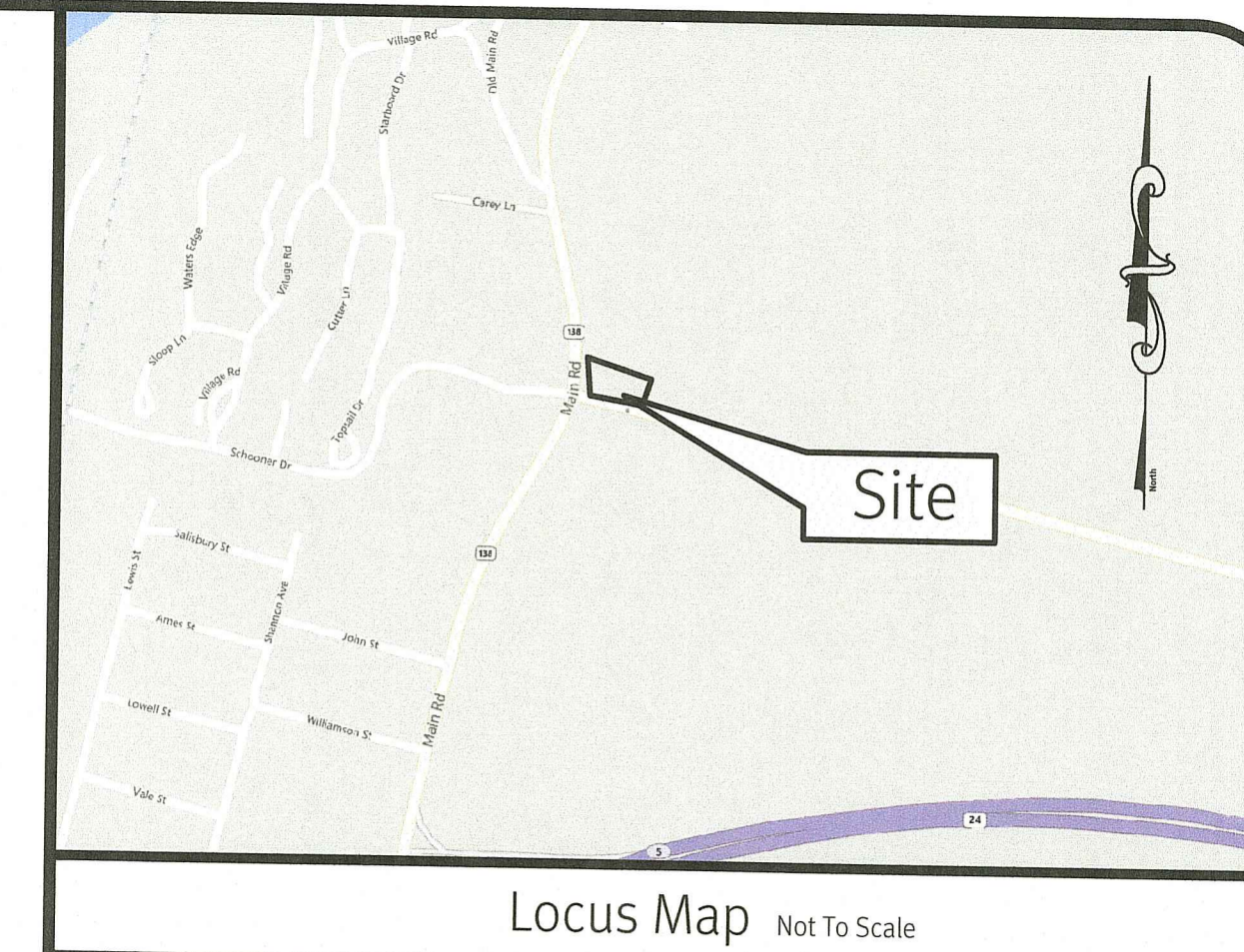
GENERAL NOTES & LEGEND SEASONS CORNER MARKET logo and contact information: PREPARED FOR: COLBEA ENTERPRISES, LLC 695 GEORGE WASHINGTON HWY, LINCOLN, RI 02865 TEL 401-943-1005 FAX 401-943-5309

Utility Notes

- ALL EXISTING UTILITIES DEPICTED ARE SHOWN ACCORDANCE WITH UTILITY QUALITY LEVEL C AS DEFINED IN CI/ASCE STANDARD 38-02 (STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA), LATEST REVISION.
- ALL EXISTING UNDERGROUND UTILITIES SHOWN WERE PROVIDED BY OTHERS AND ARE APPROXIMATE ONLY. LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATION, BLASTING, UTILITY INSTALLATION, BACKFILLING, GRADING, PAVEMENT 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 NEEDED 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.
- UTILITY PLAN REFERENCES
 - WATER INFORMATION OBTAINED FROM PLAN REFERENCE 1
 - SEWER INFORMATION OBTAINED FROM MOUNT HOPE BAY SEWER ASBUILT PLAN BY CIVIL ENGINEERING CONCEPTS, INC DATED OCTOBER 29, 2009
 - GAS INFORMATION OBTAINED FROM NATIONAL GRID GIS MAP
 - DRAINAGE INFORMATION OBTAINED ON THE GROUND BY DIPRETE ENGINEERING. (SEE GENERAL NOTES FOR DATE OF FIELD SURVEY)

Legend
NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

| | | | |
|--|---------------------|--|---------------------------|
| | BUILDING | | NAIL FOUND/SET |
| | AP ASSESSOR'S PLAT | | DRILL HOLE FOUND/SET |
| | N/F NOW OR FORMERLY | | IRON ROD/PIPE FOUND/SET |
| | (D) DEED | | BOUND FOUND/SET |
| | (M) MEASURED | | SIGN |
| | (CA) CHORD ANGLE | | BOLLARD |
| | (HC) HANDICAPPED | | SOIL EVALUATION |
| | PROPERTY LINE | | CATCH BASIN |
| | ASSESSORS LINE | | DOUBLE CATCH BASIN |
| | TREENLINE | | DRAINAGE MANHOLE |
| | GUARDRAIL | | FLARED END SECTION |
| | FENCE | | GUY POLE |
| | RETAINING WALL | | ELECTRIC MANHOLE/HANDHOLE |
| | STONE WALL | | UTILITY/POWER POLE |
| | MINOR CONTOUR LINE | | LIGHTPOST |
| | MAJOR CONTOUR LINE | | SEWER/SEPTIC MANHOLE |
| | WATER LINE | | SEWER VALVE |
| | SEWER LINE | | CLEANOUT |
| | SEWER FORCE MAIN | | 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 119, LOT 624 IN THE TOWN OF TIVERTON, NEWPORT COUNTY, RHODE ISLAND.
- THE OWNER OF LOT 624 PER DEED BOOK 1623, PAGE 38 IS COLBEA ENTERPRISES, LLC.
- BASED ON GRAPHICAL PLOTTING ONLY, THE PARCEL IS LOCATED IN ZONE X PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 440050039J, DATED SEPTEMBER 4, 2013. 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 GC BASED ON THE TOWN OF TIVERTON'S 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 IN EARLY JUNE OF 2020 AND UPDATED ON JANUARY 4, 2021. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.

Plan References:

- MINOR SUBDIVISION TRILOGY PLAT AP 119, LOT 124, MAIN ROAD AND SOUZA ROAD TIVERTON, RHODE ISLAND. PLAN BY WATERMAN ENGINEERING, DATED MARCH 16, 2016. PLAT BOOK 24, PAGE 108.
- RHODE ISLAND HIGHWAY PLAT 48

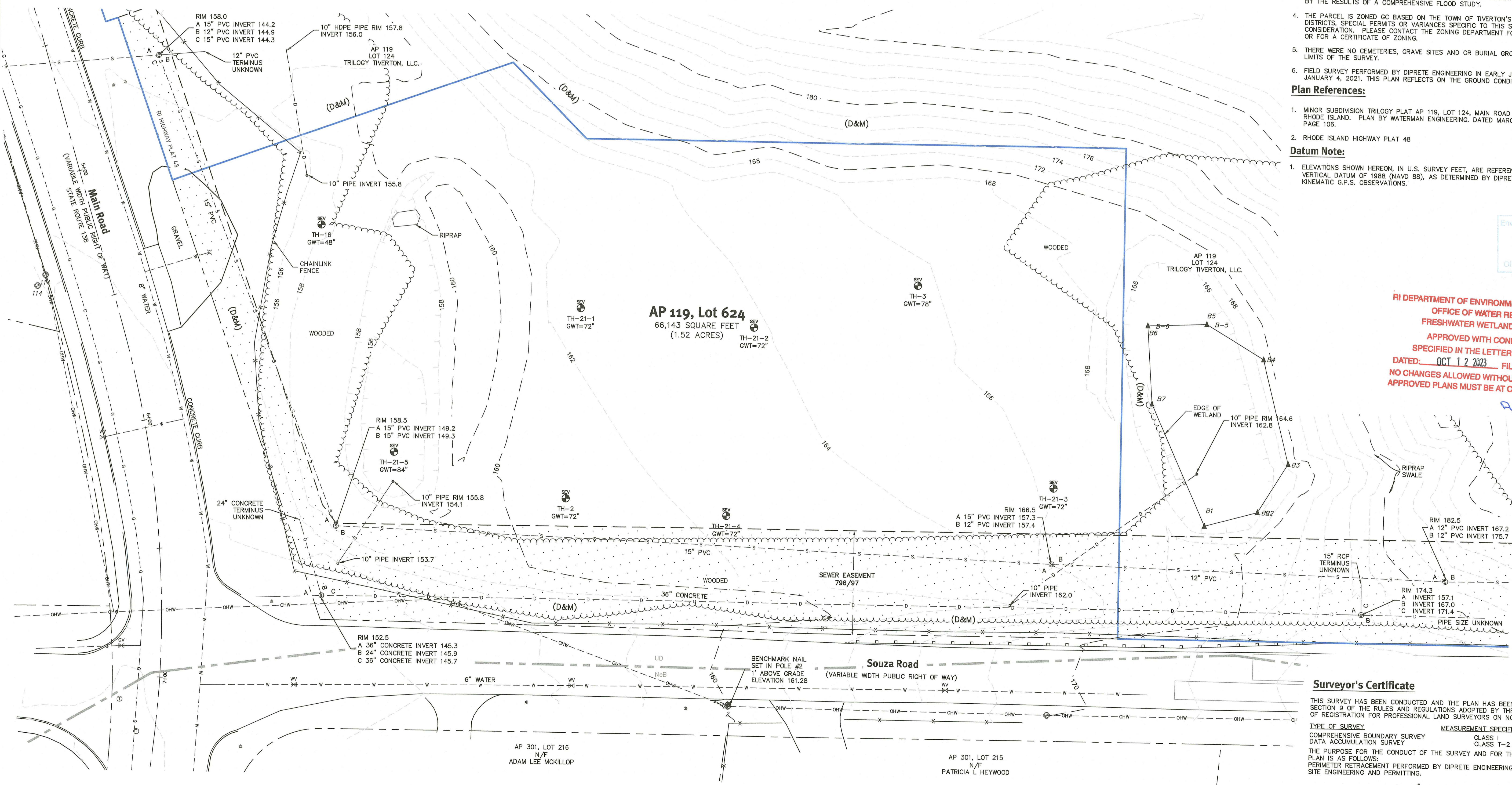
Datum Note:

- 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.



**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM**
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2023 FILE #: 23-0100
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Andy Chapman



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

Boston • Providence • Newport

AUDIE D. OSGOOD
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE ENGINEERING DESIGN. DIPRETE ENGINEERING, DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, OR PERFORMANCE OF ANY OTHER PARTY'S WORK. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN ON THIS PLAN OR APPROXIMATE ONLY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF EXISTING UTILITIES. SEE UTILITY NOTES ON SHEET 3.

| | | | |
|---------------------|------------------|-----------------------------------|--------|
| DESIGNED BY: N.D.K. | DATE: 10/12/2023 | REVISION PER CHECK & NOT COMMENTS | B.A.W. |
| DRAWN BY: N.D.K. | DATE: 10/12/2023 | REVISION PER CHECK & NOT COMMENTS | N.D.K. |
| CHECKED BY: N.D.K. | DATE: 10/12/2023 | REVISION PER CHECK & NOT COMMENTS | N.D.K. |
| DATE: 10/12/2023 | DATE: 10/12/2023 | REVISION PER CHECK & NOT COMMENTS | N.D.K. |

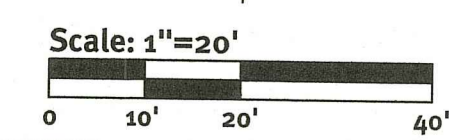
ROBERT G. BABCOCK
No. 2504
PROFESSIONAL LAND SURVEYOR

Surveyor's Certificate

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: COMPREHENSIVE BOUNDARY SURVEY
CLASS: CLASS T-2
MEASUREMENT SPECIFICATION: PERIMETER RETRACEMENT PERFORMED BY DIPRETE ENGINEERING FOR THE PURPOSE OF SITE ENGINEERING AND PERMITTING.

Robert G. Babcock
ROBERT G. BABCOCK, RIPLS #2504, COA #S.000A160
1/19/22



EXISTING ANALYSIS PLAN
SEASONS CORNER MARKET
ASSESSOR'S PLAT 119 LOT 624
TIVERTON, RHODE ISLAND

PREPARED FOR:
COLBEA ENTERPRISES, LLC
695 GEORGE WASHINGTON HWY, LINCOLN, RI 02865
TEL 401-943-1005 FAX 401-943-5309

SOIL EROSION CONTROL LEGEND

- DIVERSION RUNOFF CONVEYANCE MEASURE (SWALE AND/OR BERM)
- TEMPORARY SEDIMENT TRAP
- EROSION CONTROL (COMPOST SOCK, SILT FENCE (R) STD 9.2.0, OR APPROVED EQUAL)
- CLASS C SILT FENCE
- LIMIT OF DISTURBANCE (NO SEDIMENT CONTROL)
- LIMIT OF DISTURBANCE (WITH SEDIMENT CONTROL)
- CONSTRUCTION ENTRANCE (RIDOT STD 9.9.0)
- 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.

GENERAL NOTES:

- 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.
- 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.
- 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.
- THE OUTLET MUST BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
- THE OUTLET CONSISTS OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
- TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
- 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).
- SIDE SLOPES OF THE EMBANKMENT MUST BE 2:1 OR FLATTER.
- MODIFIED RIPRAP SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
- FILTER STONE SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.1, COLUMN V FILTER STONE.

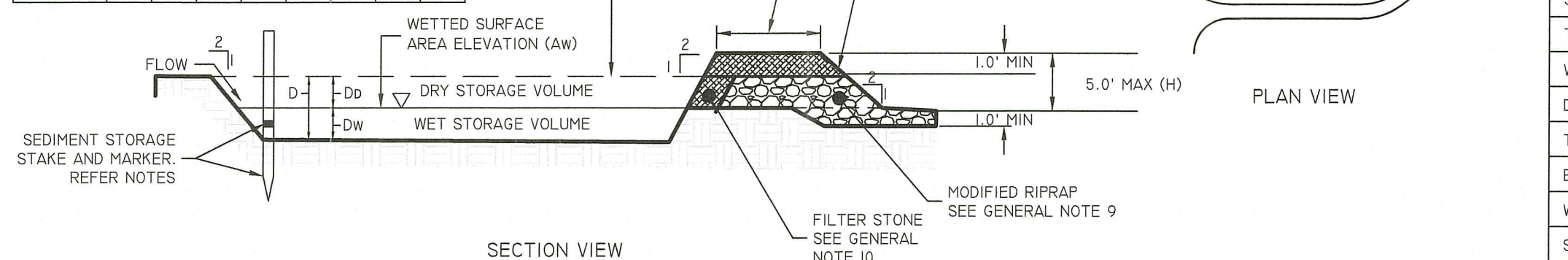
INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

- INSTALL "SEDIMENT STORAGE" STAKE WITH A MARKER AT ONE HALF OF THE WET STORAGE VOLUME.
- 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.
- CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
- CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
- 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.
- DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA AS DESIGNATED BY THE GEOTECHNICAL ENGINEER.
- THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

INSTALLATION NOTES:

- CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
- REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
- EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
- 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 6-INCH LAYERS BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- 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.

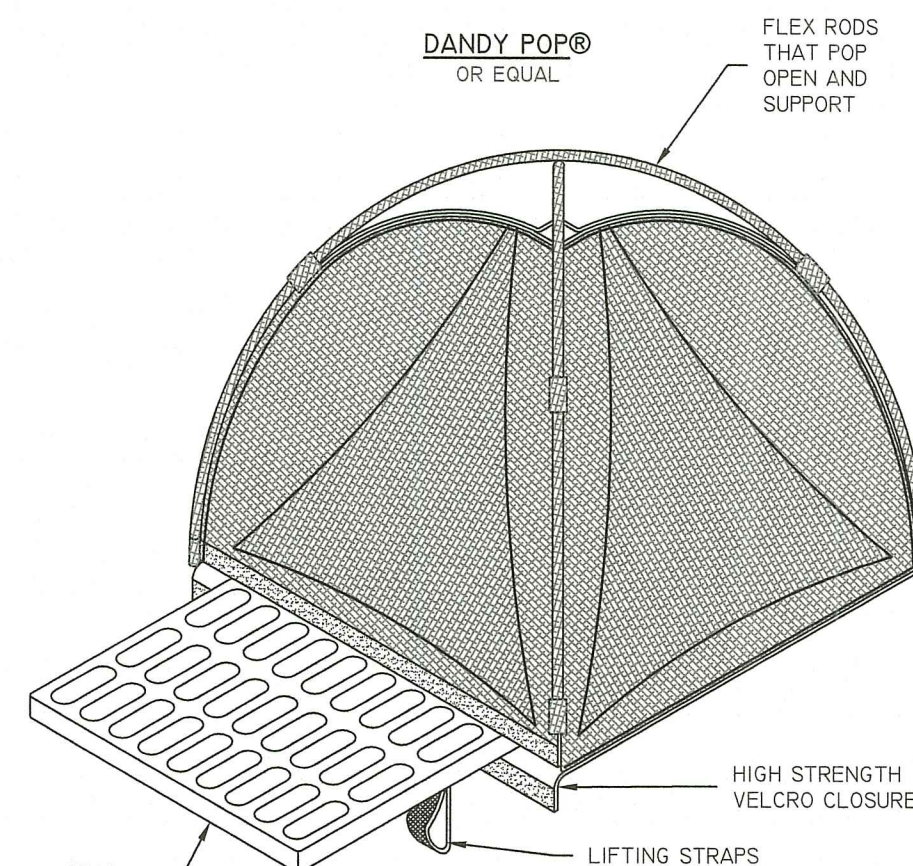
| MINIMUM TOP WIDTH VS. HEIGHT | |
|------------------------------|--------|
| H (FT) | W (FT) |
| 1.5 | 2.0 |
| 2.0 | 2.5 |
| 2.5 | 3.0 |
| 3.0 | 3.5 |
| 3.5 | 4.0 |
| 4.0 | 4.5 |
| 4.5 | 5.0 |



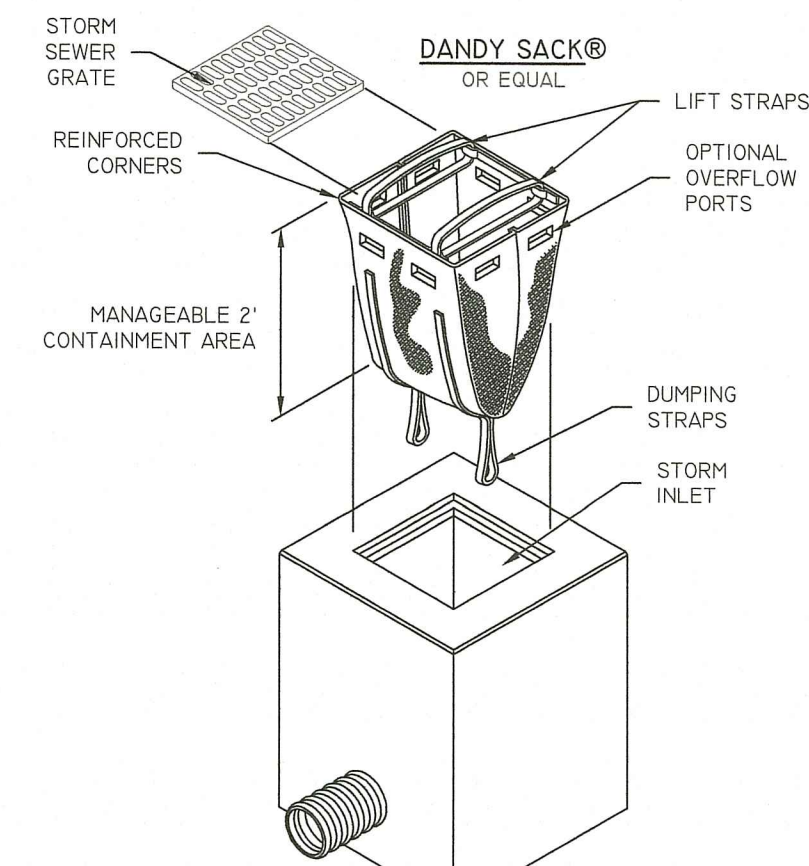
TEMPORARY SEDIMENT TRAP DETAIL
NOT TO SCALE

| SEDIMENT TRAP DIMENSIONS* | TRAP A |
|-----------------------------|-------------|
| TRIBUTARY DRAINAGE AREA | 1,698 AC |
| WET STORAGE DEPTH (Dw) | 2.0 FT |
| DRY STORAGE DEPTH (Dd) | 2.0 FT |
| TOTAL DEPTH (D) | 4.0 FT |
| BOTTOM OF TRAP AREA (Ab) | 1,292 SQ.FT |
| WETTED SURFACE AREA (Aw) | 1,845 SQ.FT |
| SURFACE AREA AT OUTLET (Ao) | 2,454 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.



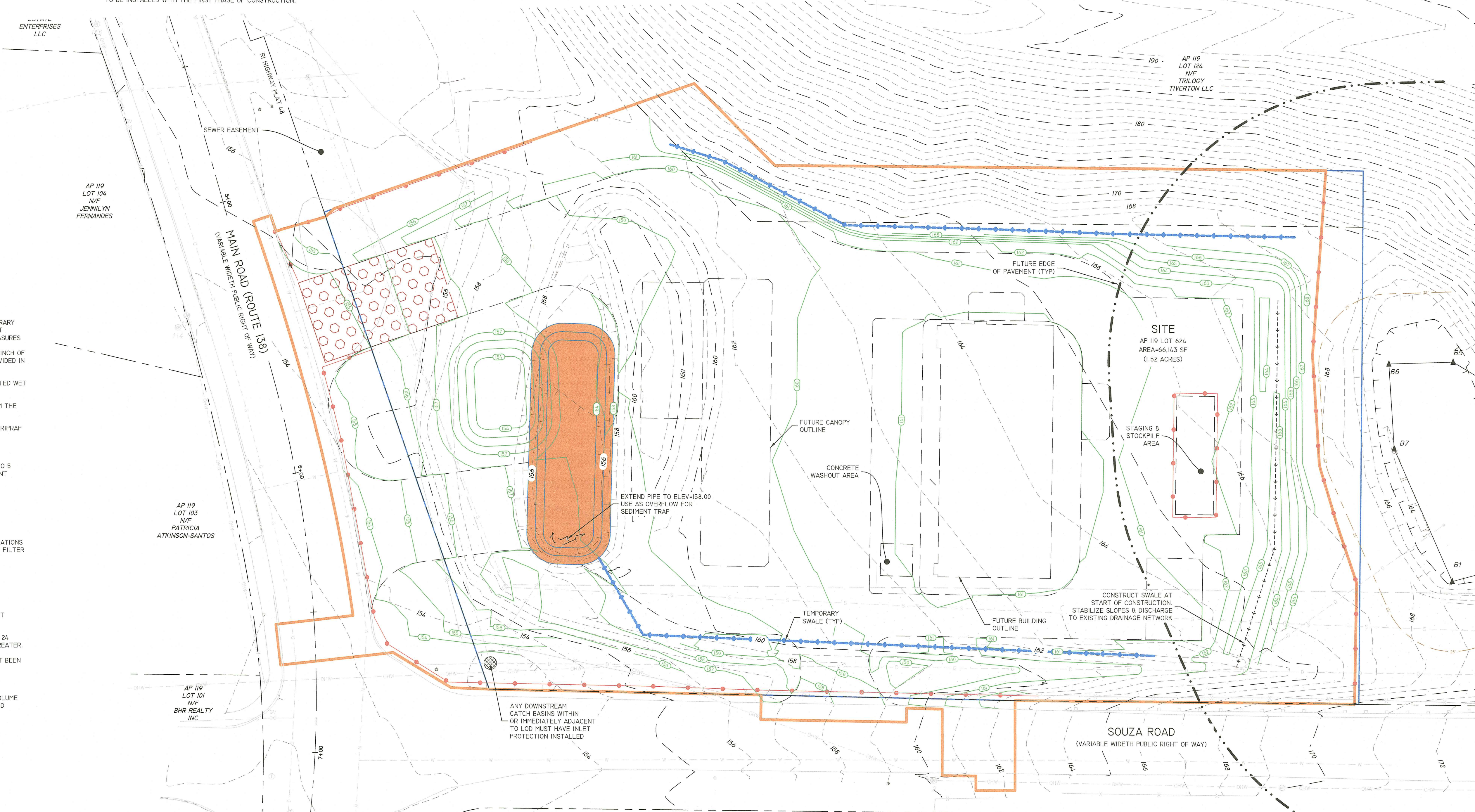
INLET SEDIMENT CONTROL DEVICES
NOT TO SCALE



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2023 FILE #: 23-0100
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
AUG 22 2023
Office of Water Resources

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



Z:\DEVELOPMENT\PROJECTS\2502-007 MAIN ROAD & SOUZA ROAD\AUTOCAD DRAWINGS\2502-007-PLAN.DWG PLOTTER: 8/16/2023



DiPrete Engineering
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AUDIE D. OSGOOD

REGISTERED PROFESSIONAL ENGINEER CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS APPROVED BY THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND THE RI DEPARTMENT OF HEALTH AND HUMAN SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEASURES, METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN. EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES INCURRED DUE TO LOCATIONS OF EXISTING UTILITIES. SEE UTILITY NOTE ON SHEET 1.

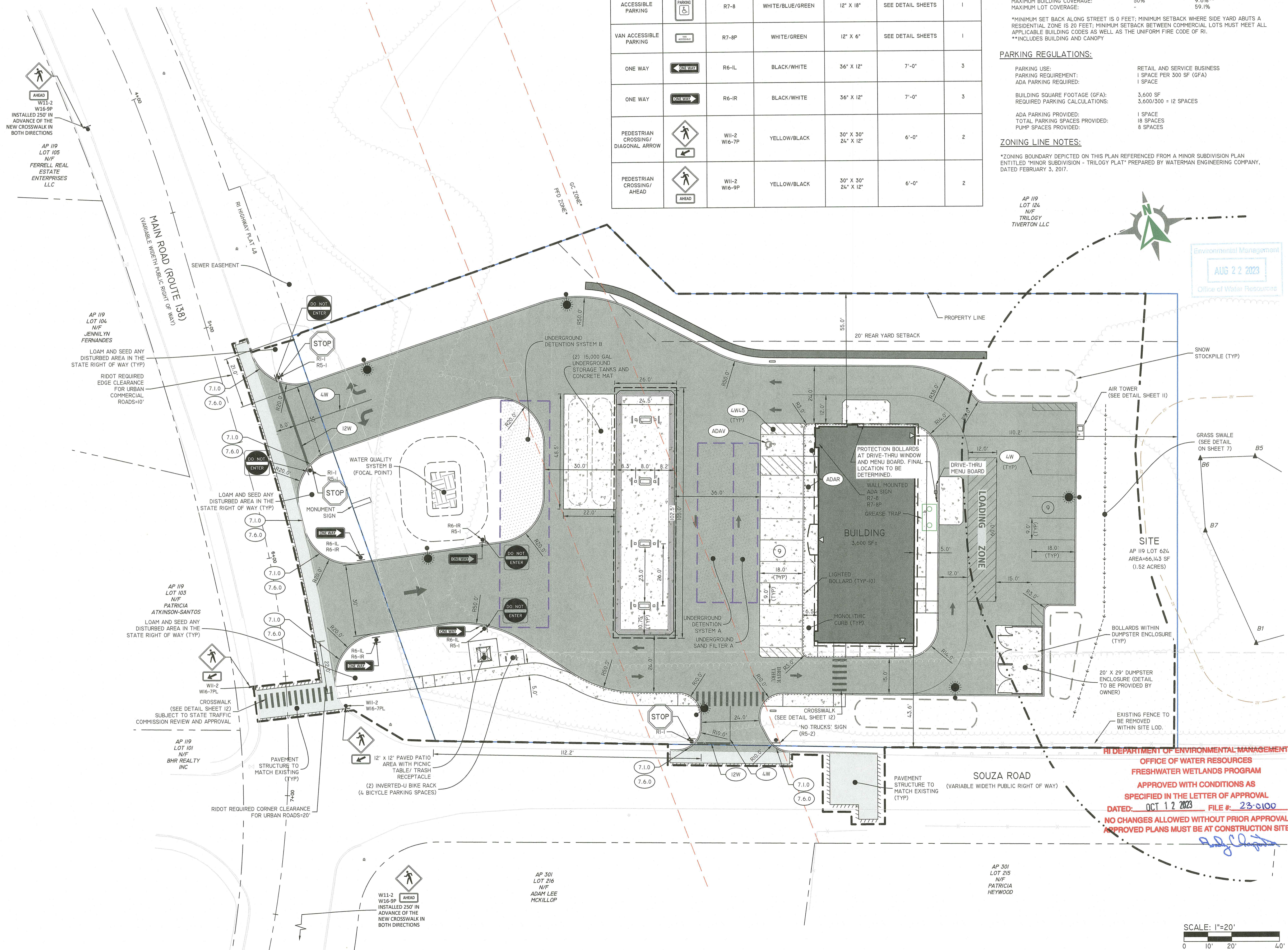
| NO. | DATE | DESCRIPTION | BY | DATE |
|-----|------------|------------------------------------|--------|------|
| 1 | 08-02-2023 | REVISED PER DEPT. & RIDOT COMMENTS | A.A.W. | |
| 2 | 08-02-2023 | REVISED PER DEPT. & RIDOT COMMENTS | A.A.W. | |

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

SSEC PLAN
SEASONS CORNER MARKET
ASSESSOR'S PLAT 119 LOT 624
TIVERTON, RHODE ISLAND
PREPARED FOR:
COLBEA ENTERPRISES, LLC
605 GEORGE WASHINGTON HWY., LINCOLN, RI 02865
TEL. 401-943-0005 FAX. 401-943-5309

DESIGN BY: N.D.K.

Z:\CUSTOMER\PROJECTS\2562-007 MAIN ROAD & SOUZA ROAD\AUTOCAD DRAWINGS\2562-007-PL AND DWG PLOTTERS 8/16/2023



| SIGNAGE SCHEDULE | | | | | | |
|------------------------------------|--------|-----------------|-------------------------|----------------------------|--|------------|
| SIGN TYPE | DETAIL | MUTCD REFERENCE | COLOR (BACKGROUND/COPY) | DIMENSION (WIDTH X HEIGHT) | MOUNTING HEIGHT (CLEAR HEIGHT TO BOTTOM OF SIGN) | # OF SIGNS |
| STOP | | RI-1 | RED/WHITE | 30" X 30" | 7'-0" | 3 |
| DO NOT ENTER | | RS-1 | RED/WHITE | 30" X 30" | 7'-0" | 4 |
| ACCESSIBLE PARKING | | R7-8 | WHITE/BLUE/GREEN | 12" X 18" | SEE DETAIL SHEETS | 1 |
| VAN ACCESSIBLE PARKING | | R7-8P | WHITE/GREEN | 12" X 6" | SEE DETAIL SHEETS | 1 |
| ONE WAY | | R6-IL | BLACK/WHITE | 36" X 12" | 7'-0" | 3 |
| ONE WAY | | R6-IR | BLACK/WHITE | 36" X 12" | 7'-0" | 3 |
| PEDESTRIAN CROSSING/DIAGONAL ARROW | | W11-2 W16-7P | YELLOW/BLACK | 30" X 30" 24" X 12" | 6'-0" | 2 |
| PEDESTRIAN CROSSING/AHEAD | | W11-2 W16-9P | YELLOW/BLACK | 30" X 30" 24" X 12" | 6'-0" | 2 |

DEVELOPMENT DATA:
 TOTAL SITE AREA: 1.52± ACRES
 TOTAL NUMBER OF BUILDINGS: 1
 TOTAL LOT AREA: 1.52 ACRES

DIMENSIONAL REGULATIONS:
 CURRENT ZONING: GENERAL COMMERCIAL (GC)
 MINIMUM LOT AREA: 12,000 SF
 MINIMUM FRONTAGE AND LOT WIDTH: 100'
 MINIMUM FRONT YARD: 0'
 MINIMUM SIDE YARD: 10' Z'
 MINIMUM REAR YARD: 20'
 MAXIMUM STRUCTURE HEIGHT: 50'
 MAXIMUM BUILDING COVERAGE: 50%
 MAXIMUM LOT COVERAGE: 59.1%

PARKING REGULATIONS:
 PARKING USE: RETAIL AND SERVICE BUSINESS
 PARKING REQUIREMENT: 1 SPACE PER 300 SF (GFA)
 ADA PARKING REQUIRED: 1 SPACE
 BUILDING SQUARE FOOTAGE (GFA): 3,600 SF
 REQUIRED PARKING CALCULATIONS: 3,600/300 = 12 SPACES
 ADA PARKING PROVIDED: 1 SPACE
 TOTAL PARKING SPACES PROVIDED: 18 SPACES
 PUMP SPACES PROVIDED: 8 SPACES

ZONING LINE NOTES:
 *ZONING BOUNDARY DEPICTED ON THIS PLAN REFERENCED FROM A MINOR SUBDIVISION PLAN ENTITLED "MINOR SUBDIVISION - TRILOGY PLAT" PREPARED BY WATERMAN ENGINEERING COMPANY, DATED FEBRUARY 3, 2017.

Diprete Engineering
 Two Stafford Court Cranston, RI 02920
 Tel 401-943-1000 Fax 401-943-6006 www.diprete-eng.com

Boston • Providence • Newport

AUDIE D. OSGOOD

 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

Environmental Management
 AUG 22 2023
 Office of Water Resources

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED FOR CONSTRUCTION AND STAMPED BY THE REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND CUSTOMER UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. ONLY DIPRETE ENGINEERING ASSUMES RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THIS PLAN AND SEE UTILITY NOTES ON SHEET 3.

NO. DATE DESCRIPTION
 0 08-09-2023 REVISION PER DEM. BLDG CORRECT IS
 1 03-15-2023 PRELIMINARY PLAN SUBMISSION
 2 08-09-2023 REVISION PER DEM. BLDG CORRECT IS
 3 03-15-2023 PRELIMINARY PLAN SUBMISSION

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

SITE LAYOUT PLAN
 SEASONS CORNER MARKET
 TIVERTON, RHODE ISLAND

PREPARED FOR:
 COLBEA ENTERPRISES, LLC
 695 GEORGE WASHINGTON HWY., LINCOLN, RI 02865
 TEL 401-943-1005 FAX 401-943-5309

DATE: OCT 12 2023 FILE #: 23-0100
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

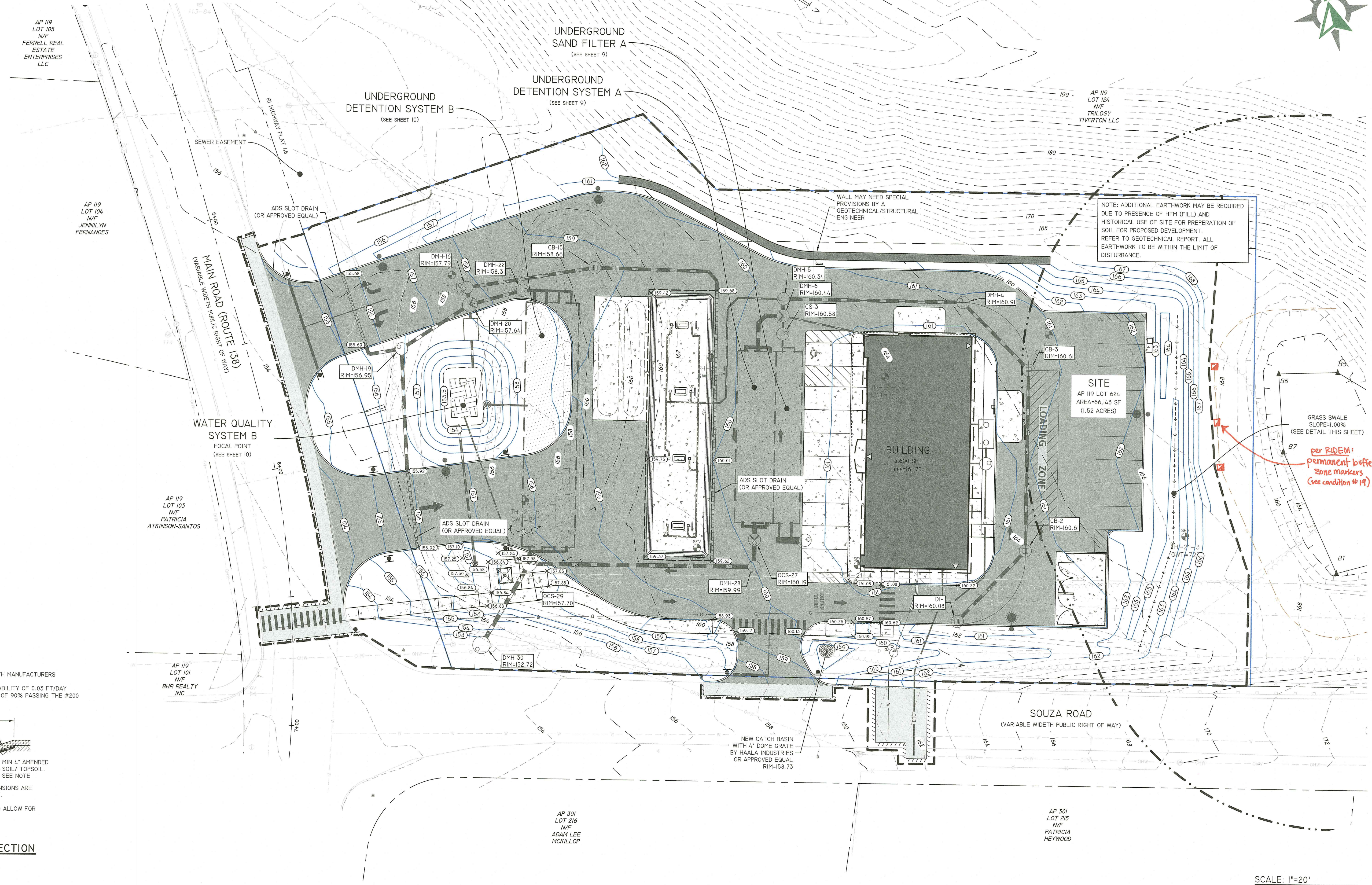
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SHEET 6 OF 14

Environmental Management
 AUG 22 2023
 Office of Water Resources

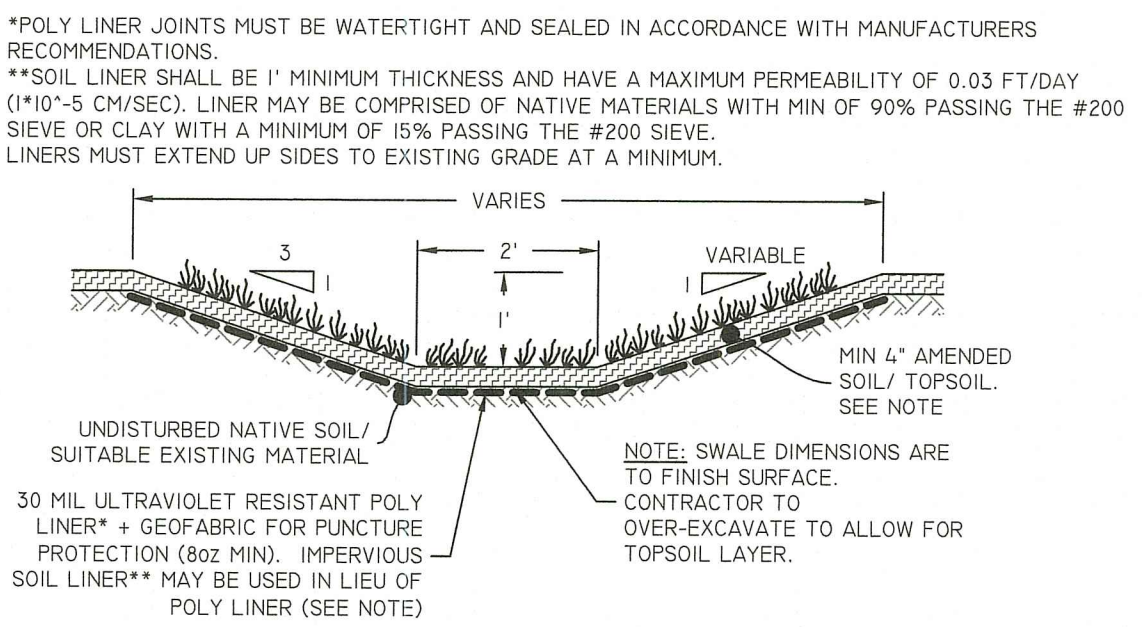
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: OCT 12 2023 FILE #: 23-0100
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Andy Clayton



NOTE: ADDITIONAL EARTHWORK MAY BE REQUIRED DUE TO PRESENCE OF HTM (FILL) AND HISTORICAL USE OF SITE FOR PREPARATION OF SOIL FOR PROPOSED DEVELOPMENT. REFER TO GEOTECHNICAL REPORT. ALL EARTHWORK TO BE WITHIN THE LIMIT OF DISTURBANCE.

GRASS SWALE SLOPE=1:100% (SEE DETAIL THIS SHEET)
 per RIDEM: permanent buffer zone markers (see condition #14)



GRASS SWALE (WIDE BOTTOM) CROSS SECTION
 NOT TO SCALE

*POLY LINER JOINTS MUST BE WATERTIGHT AND SEALED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 **SOIL LINER SHALL BE 1" MINIMUM THICKNESS AND HAVE A MAXIMUM PERMEABILITY OF 0.03 FT/DAY (10⁻¹⁰-5 CM/SEC). LINER MAY BE COMPRISED OF NATIVE MATERIALS WITH MIN OF 90% PASSING THE #200 SIEVE OR CLAY WITH A MINIMUM OF 15% PASSING THE #200 SIEVE. LINERS MUST EXTEND UP SIDES TO EXISTING GRADE AT A MINIMUM.

Diprete Engineering
 Two Stafford Court Cranston, RI 02920
 tel 401-943-1000 fax 401-464-0006 www.diprete-eng.com

AUDIE D. OSSOOD
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

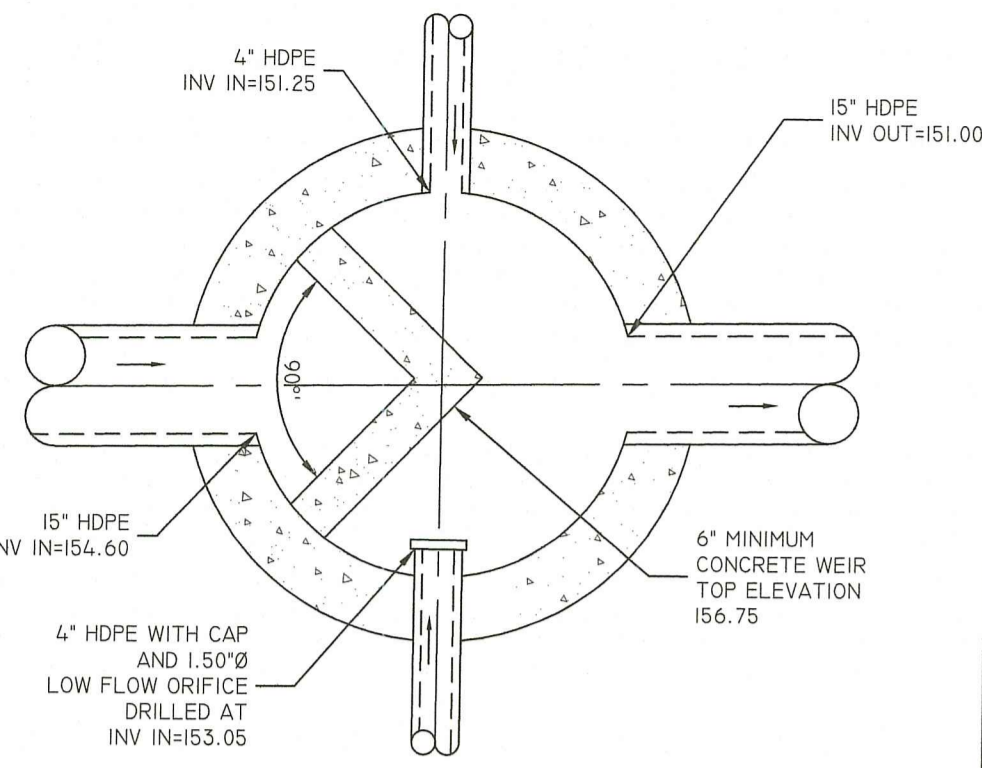
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF DIPRETE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DIPRETE ENGINEERING. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, MATERIALS, AND SEQUENCES OF CONSTRUCTION IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN. ONLY DIPRETE ENGINEERING ASSUMES RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON. SEE UTILITIES NOTES FOR EXISTING UTILITIES.

| NO. | DATE | DESCRIPTION | BY: | DATE | DESCRIPTION | BY: |
|-----|------------|----------------------------------|--------|------|-------------|-----|
| 1 | 08-09-2023 | REVISED PER RIDEM & DOT COMMENTS | R.A.W. | | | |
| 2 | 10-15-2023 | PERMITTING PLAN SUBMISSION | N.D.K. | | | |
| 3 | 10-15-2023 | PERMITTING PLAN SUBMISSION | N.D.K. | | | |

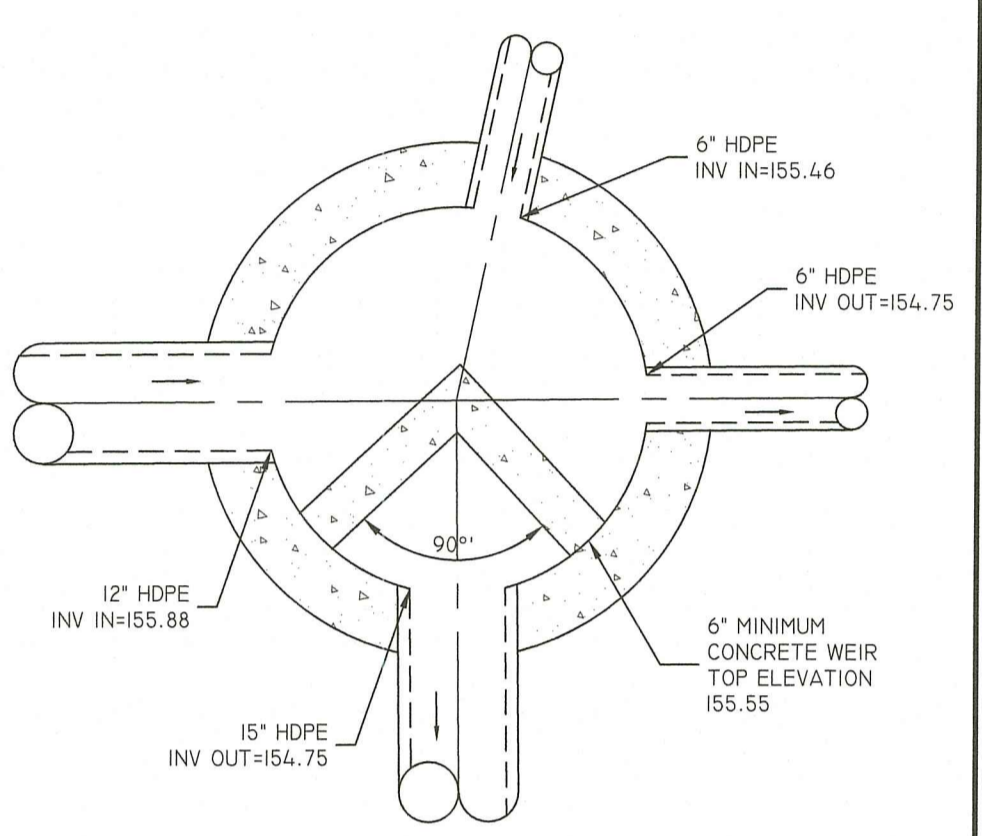
DESIGN BY: N.D.K.
 DRAWN BY: N.D.K.

GRADING & SURFACE DRAINAGE PLAN
 SEASONS CORNER MARKET
 TIVERTON, RHODE ISLAND
 PREPARED FOR:
 COLBEA ENTERPRISES, LLC
 695 GEORGE WASHINGTON HWY, LINCOLN, RI 02865
 TEL 401-943-1005 FAX 401-943-5309

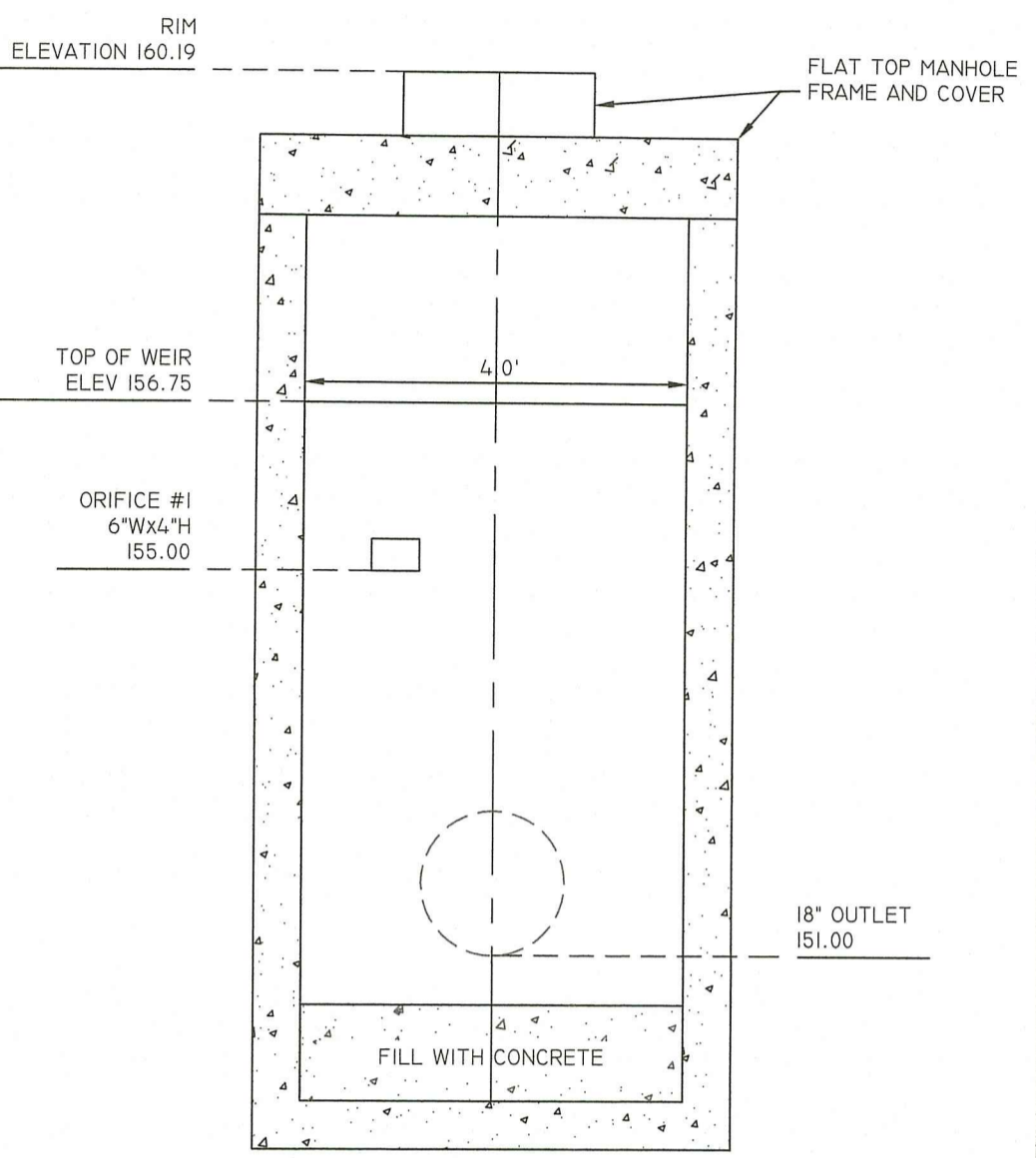
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 0 10' 20' 40'



**OUTLET CONTROL STRUCTURE
4' DIAMETER MANHOLE (OCS-27)**
SCALE 1"=2'



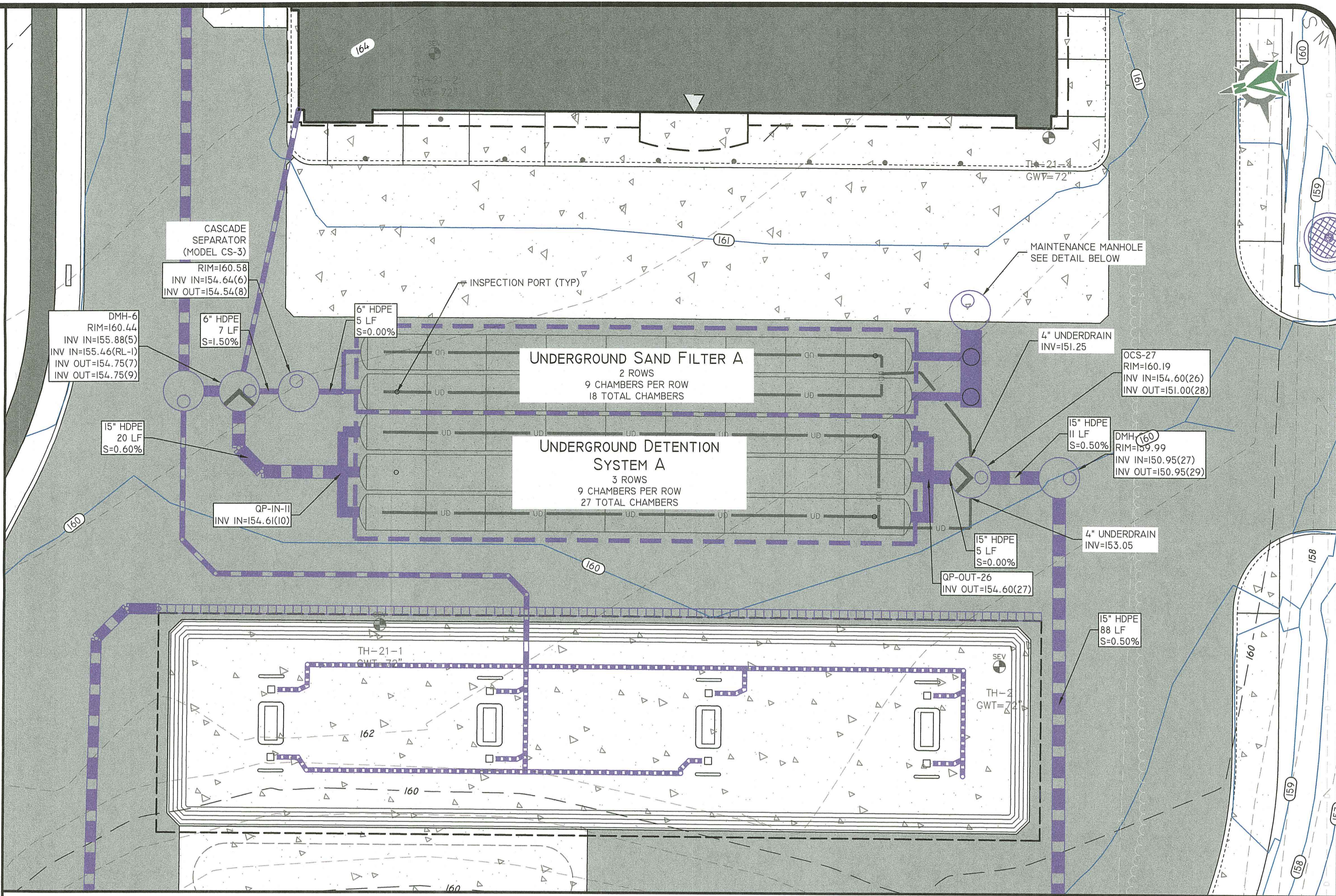
DMH-6 (4' DIAMETER MANHOLE)
SCALE 1"=2'



**OUTLET CONTROL STRUCTURE
4' DIAMETER MANHOLE (OCS-27)**
SCALE: 1"=2'

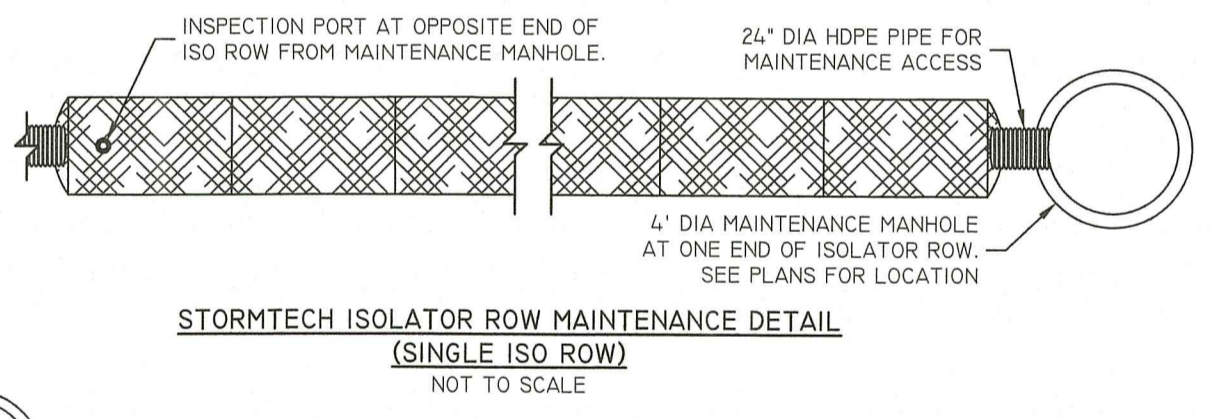
**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2023 FILE # 23-0100
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

Andy Chapman

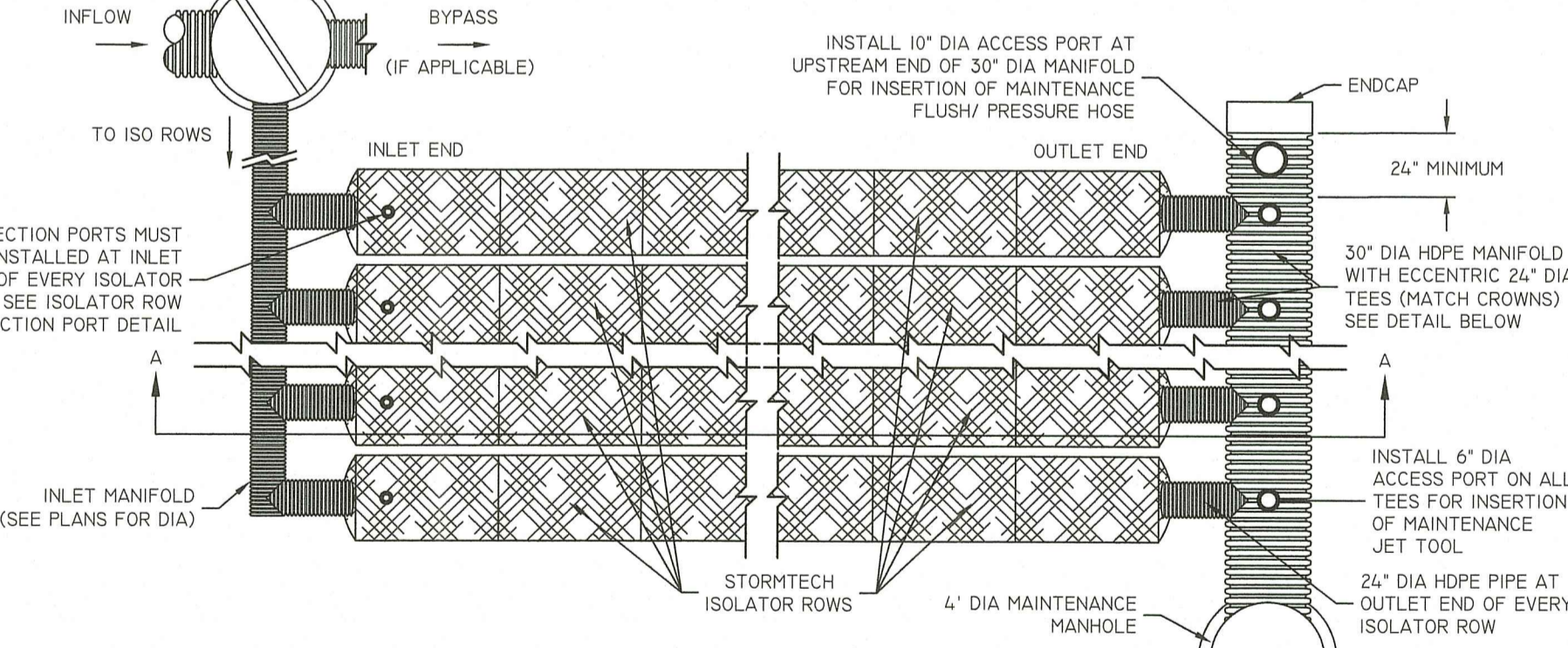


UNDERGROUND STORMTECH SYSTEM A

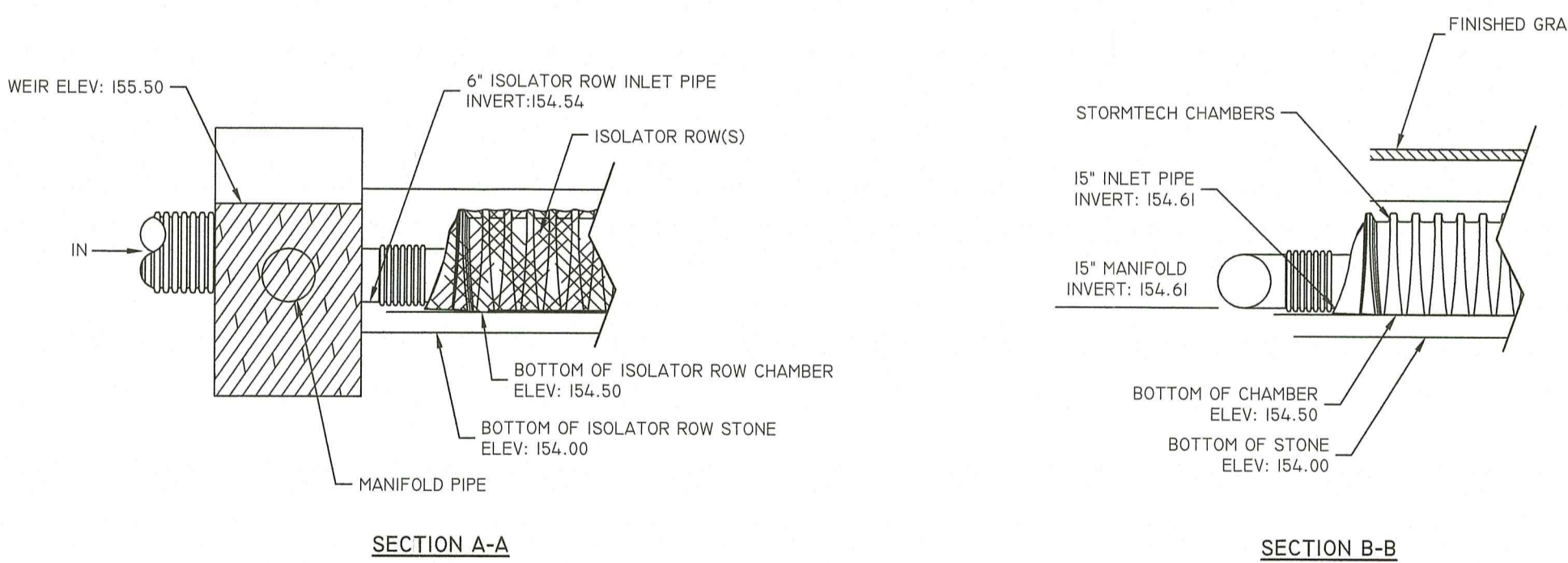
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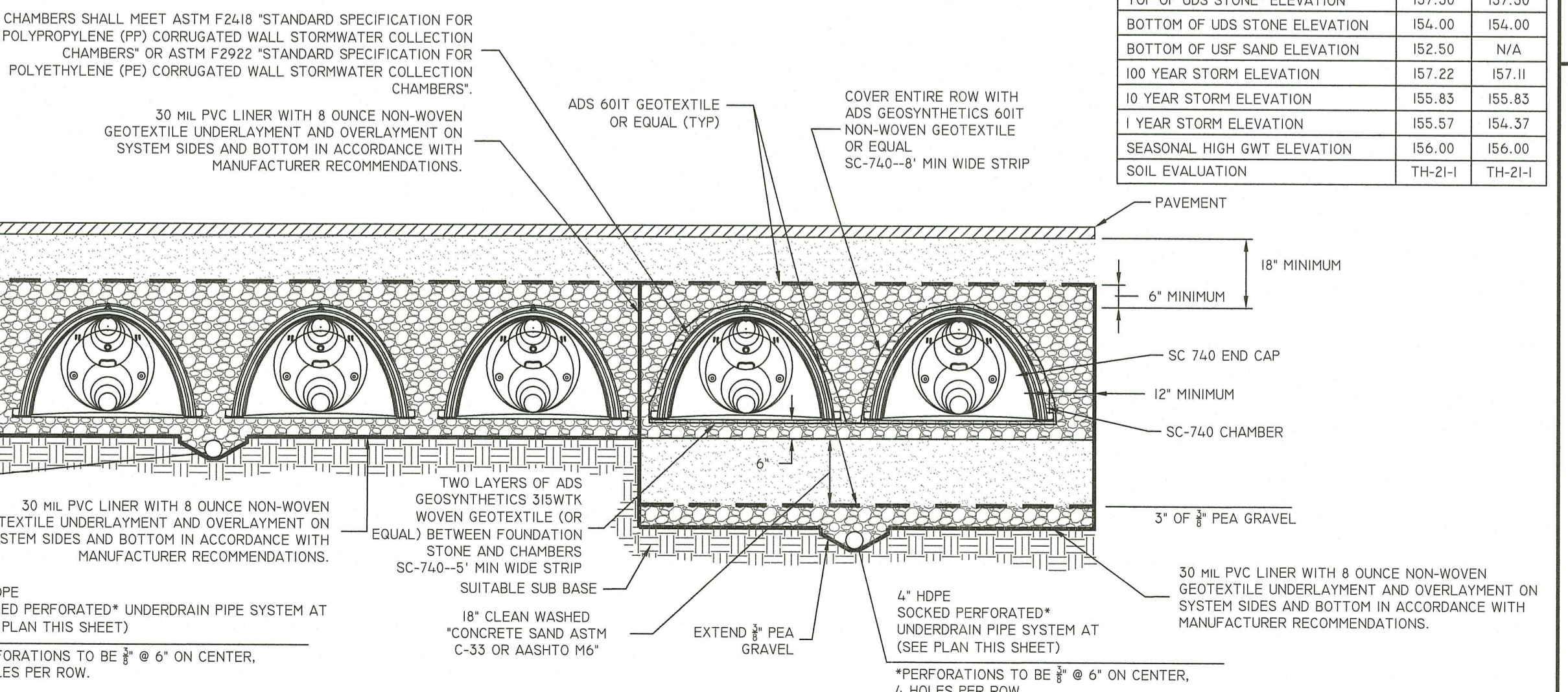
**STORMTECH ISOLATOR ROW MAINTENANCE DETAIL
(SINGLE ISO ROW)**
NOT TO SCALE



**STORMTECH ISOLATOR ROW MAINTENANCE DETAIL
(MULTIPLE ISO ROWS)**
NOT TO SCALE

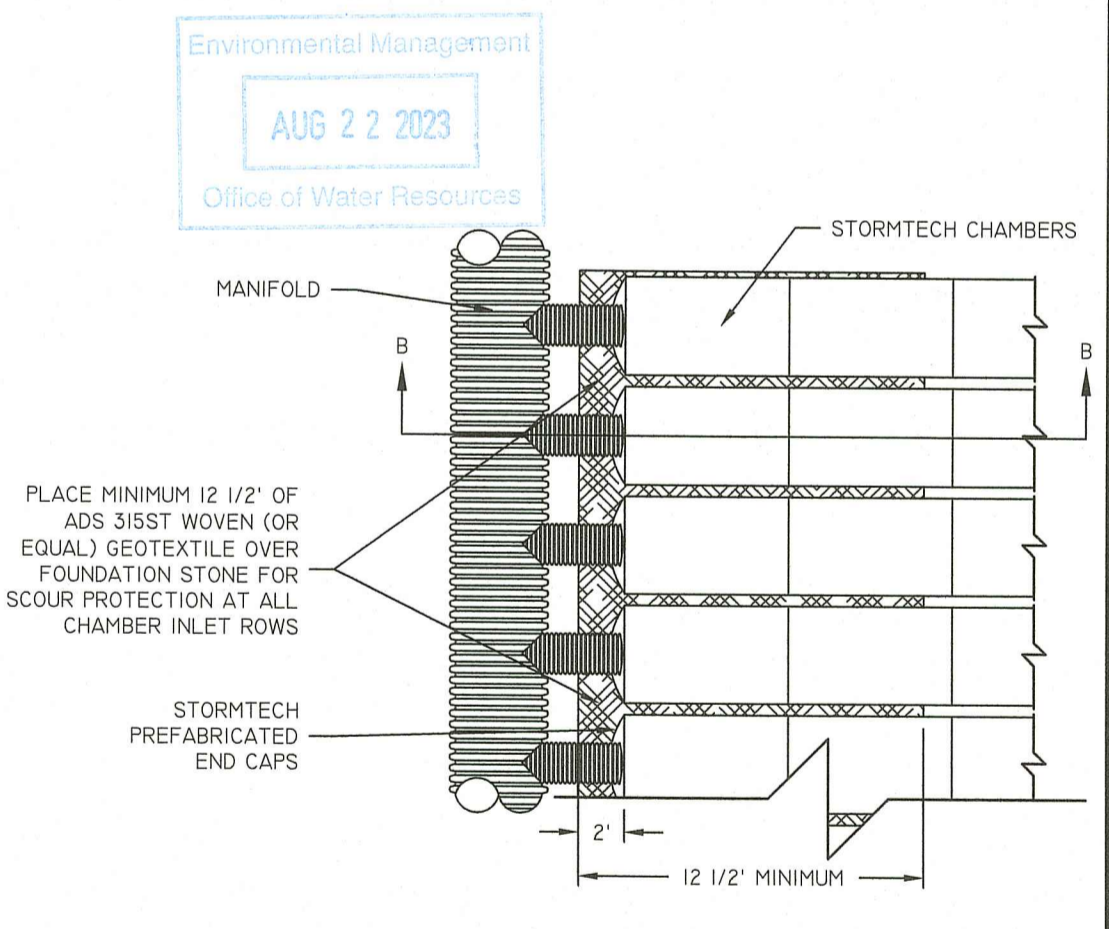


STORMTECH ELEVATIONS
NOT TO SCALE

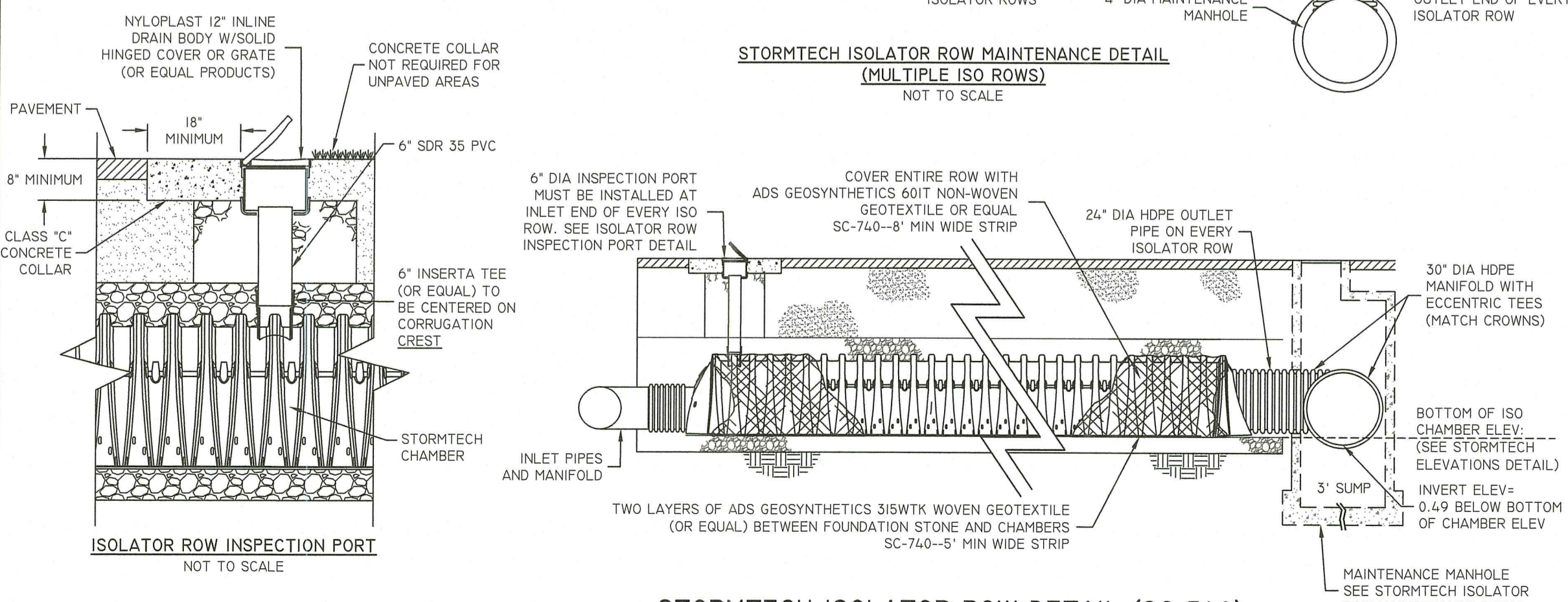


UNDERGROUND DETENTION SYSTEM A DETAIL (SC-740)
NOT TO SCALE

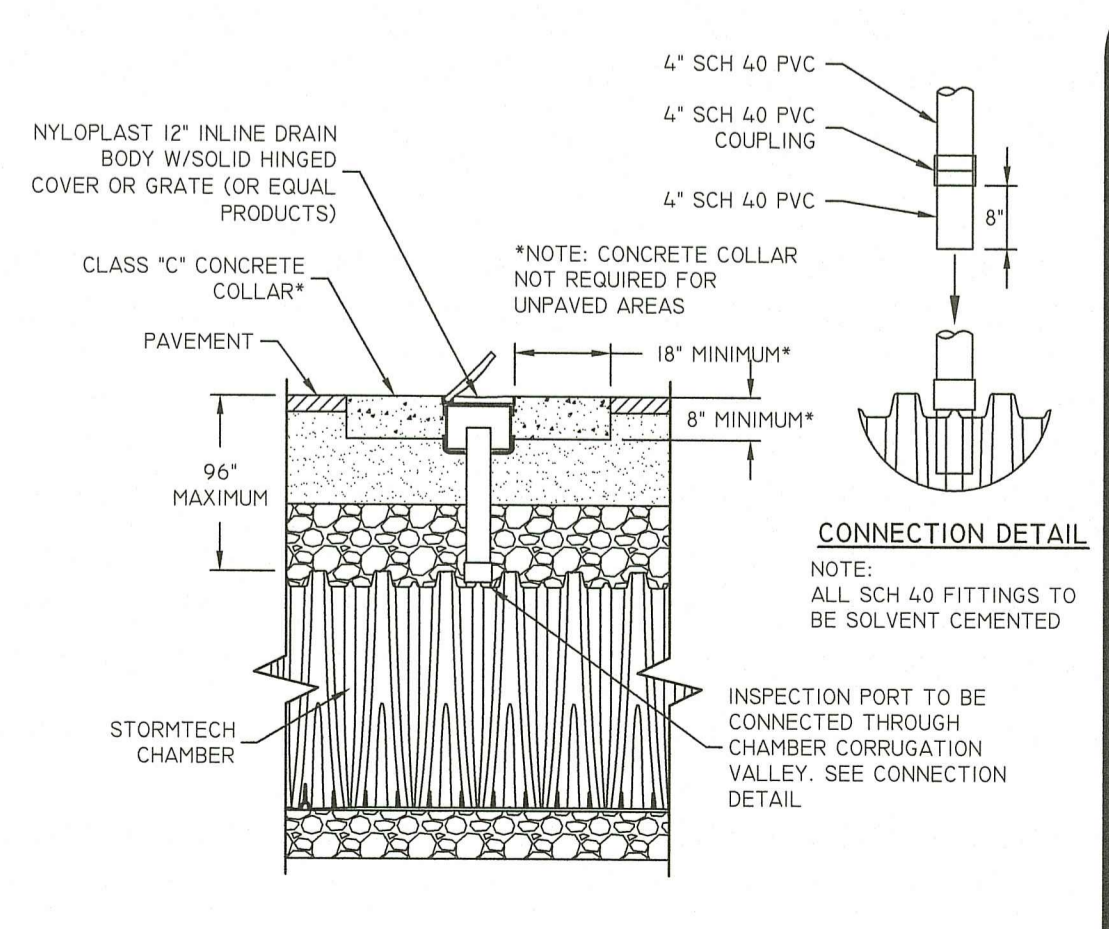
UNDERGROUND SAND FILTER A DETAIL (SC-740)
NOT TO SCALE



STORMTECH MANIFOLD DETAIL
NOT TO SCALE



STORMTECH ISOLATOR ROW DETAIL (SC-740)
NOT TO SCALE



STORMTECH GENERAL INSPECTION PORT DETAIL
NOT TO SCALE

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

AUDIE D. OSGOOD
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CIVIL

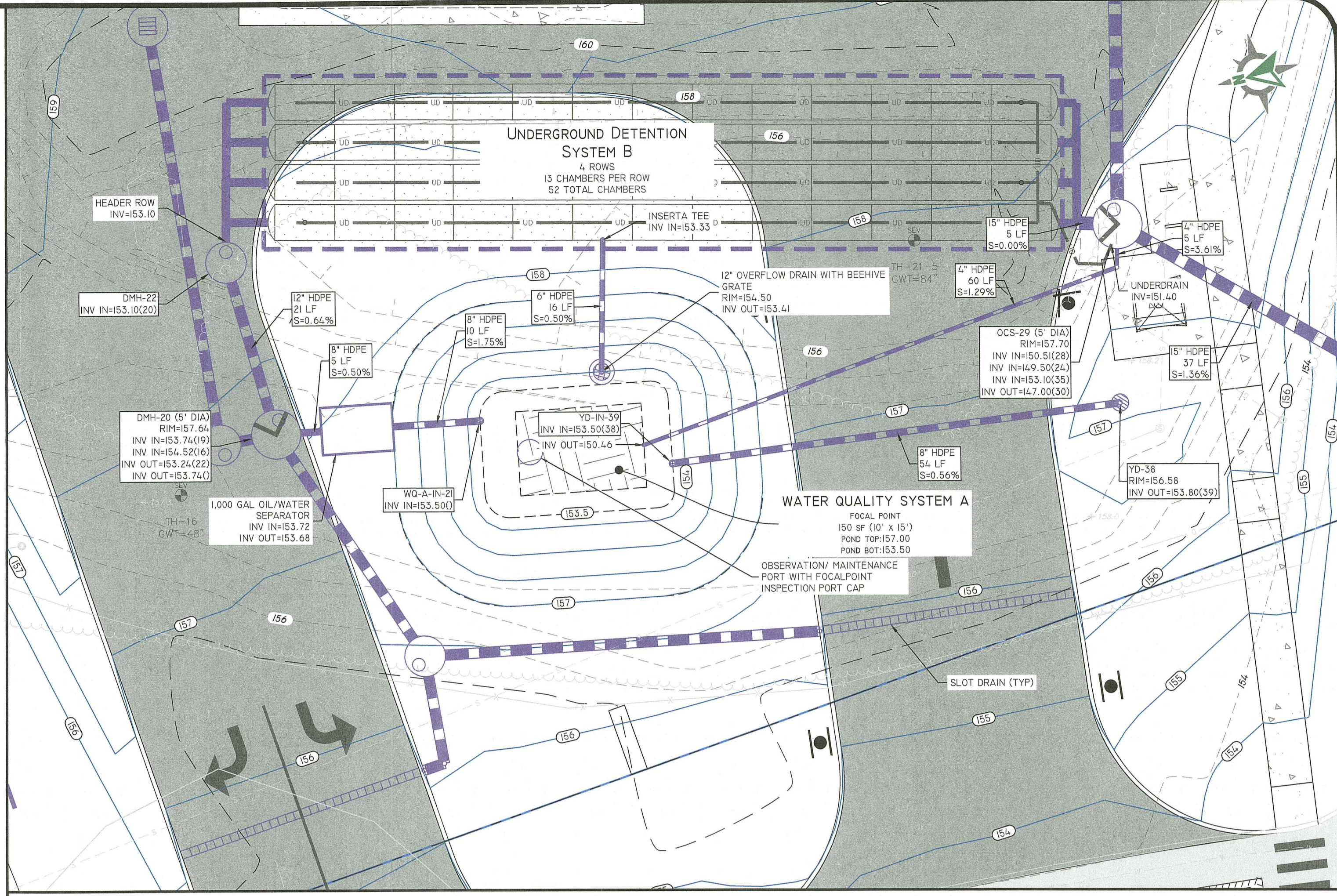
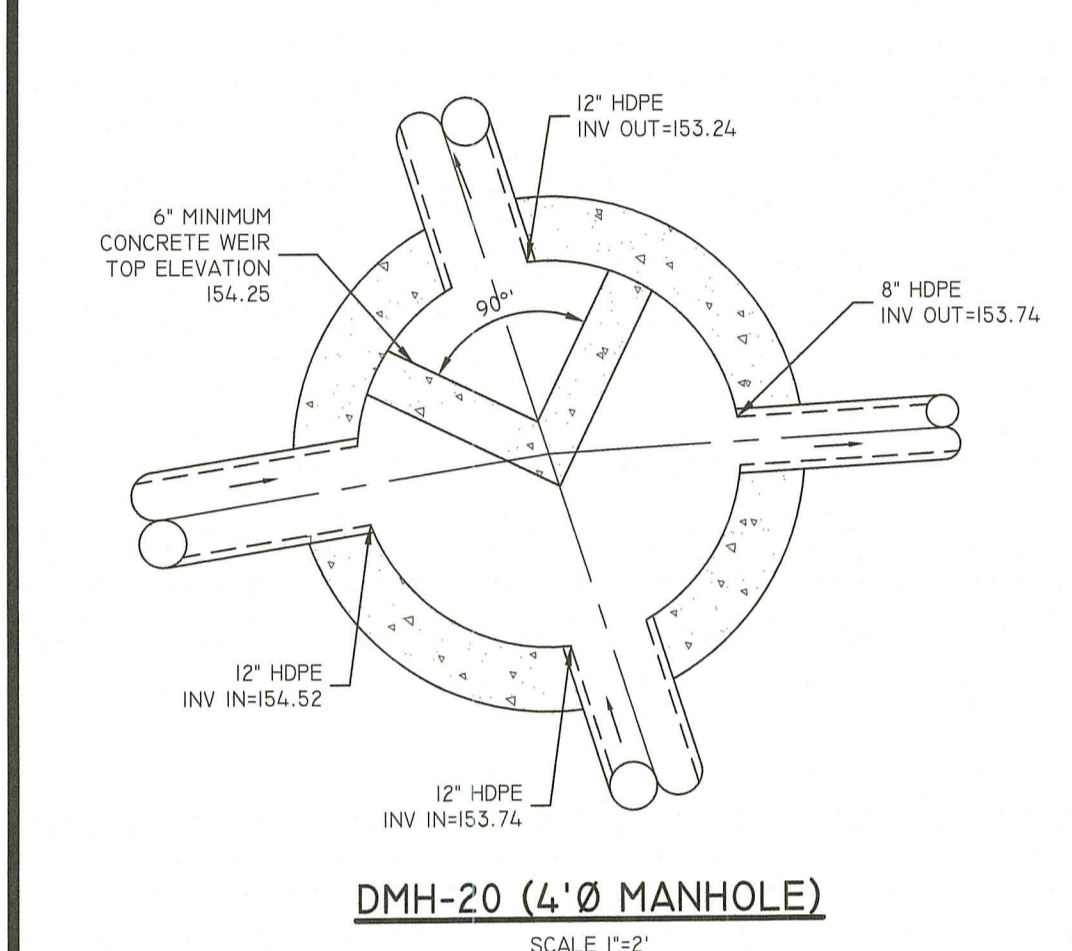
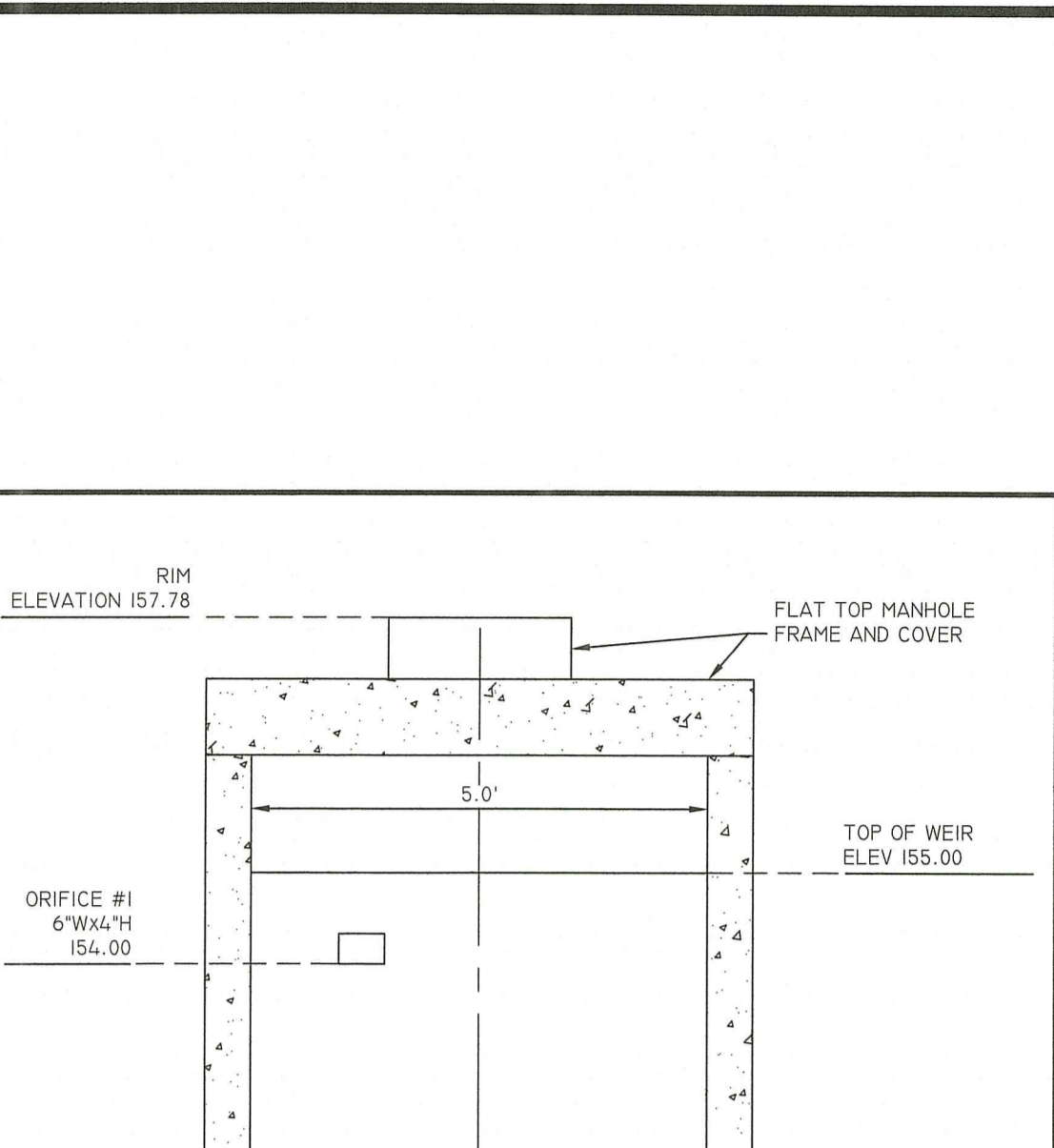
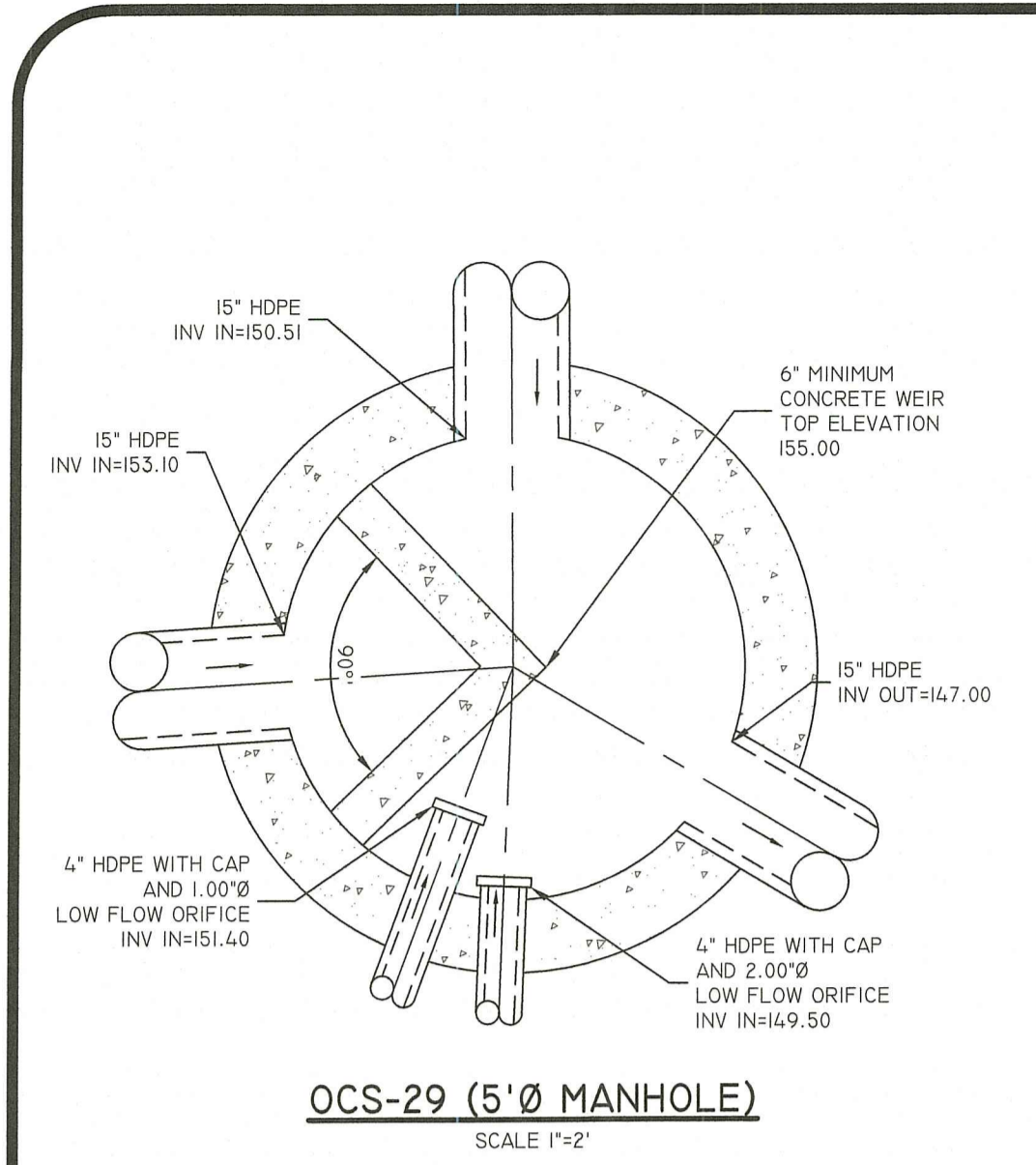
THIS PLAN SET IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS APPROVED BY THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN. EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND NOT TO BE RELIED UPON. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES.

DESIGNED BY: N.D.K.
DRAWN BY: N.D.K.
CHECKED BY: N.D.K.
DATE: 08-12-2023

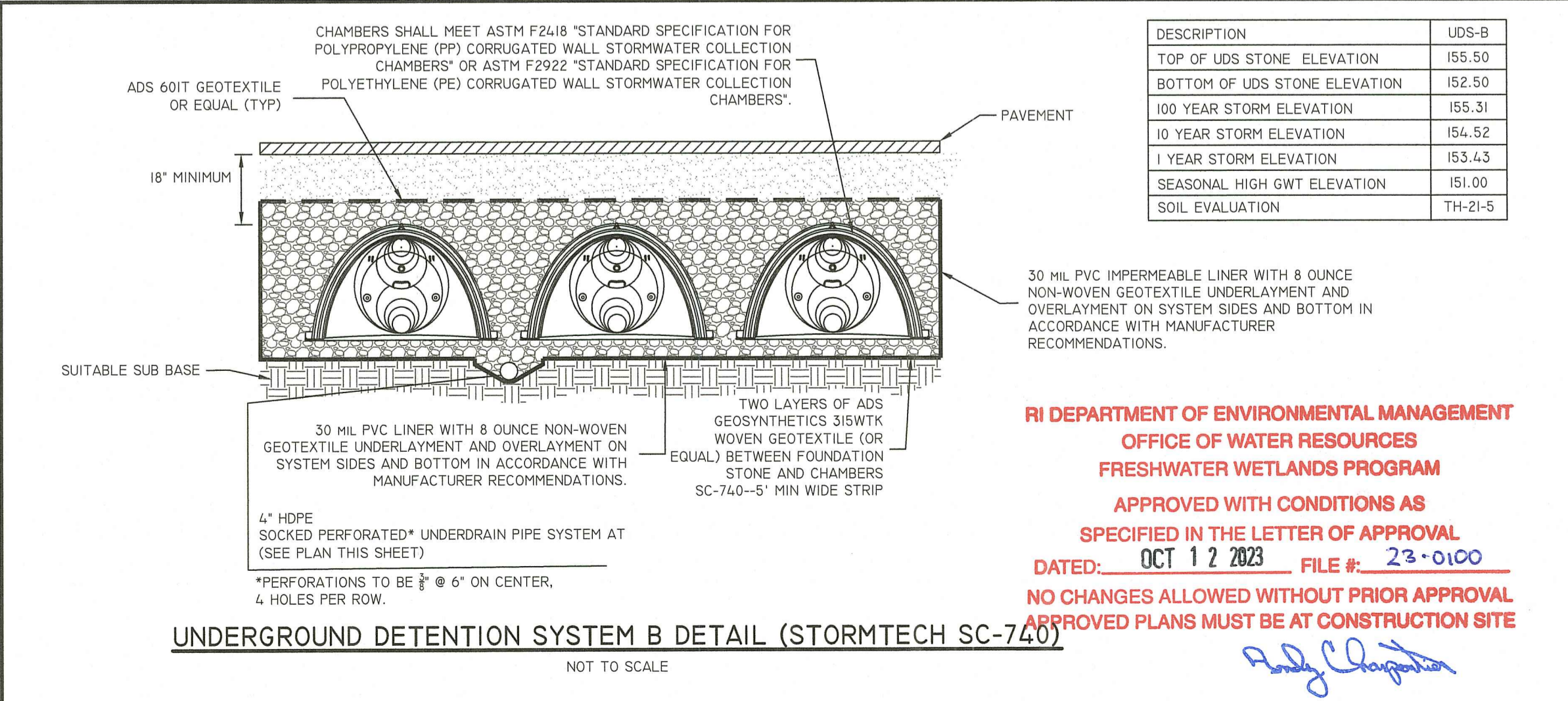
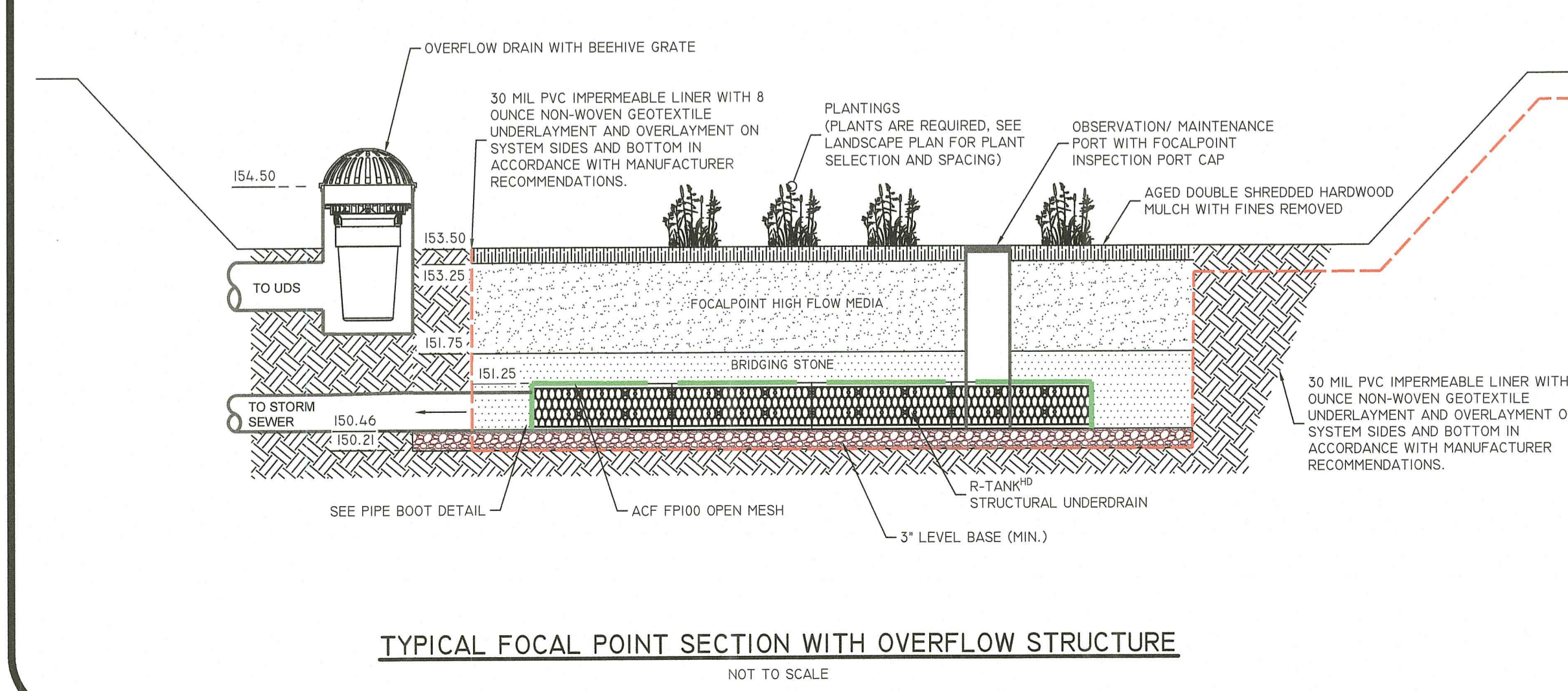
STORMWATER SYSTEM A
SEASONS CORNER MARKET
ASSESSOR'S PLAT 119 LOT 624
TIVERTON, RHODE ISLAND

PREPARED FOR:
COLBEA ENTERPRISES, LLC
695 GEORGE WASHINGTON HWY LINCOLN, RI 02865
TEL 401-943-1005 FAX 401-943-5309

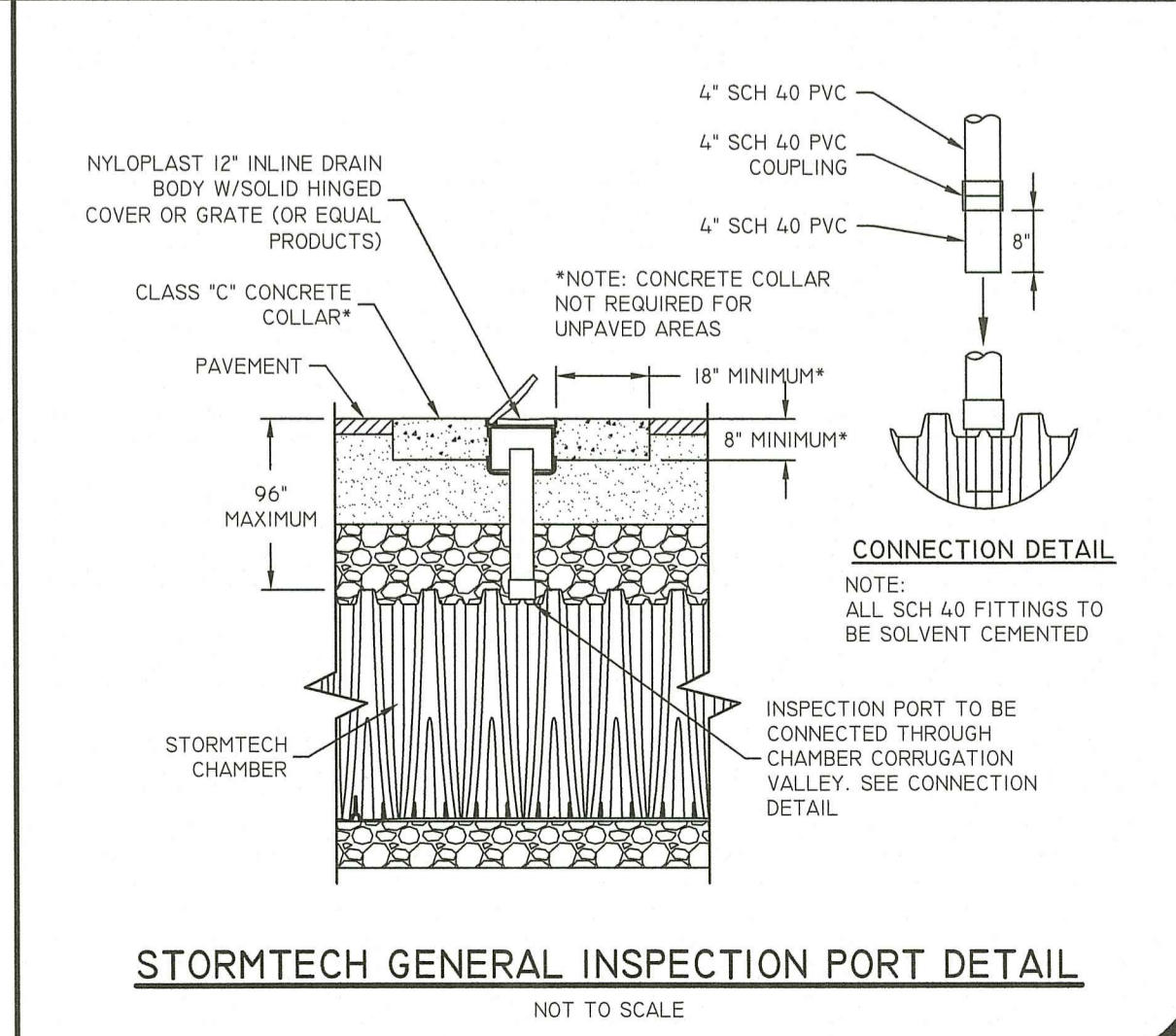
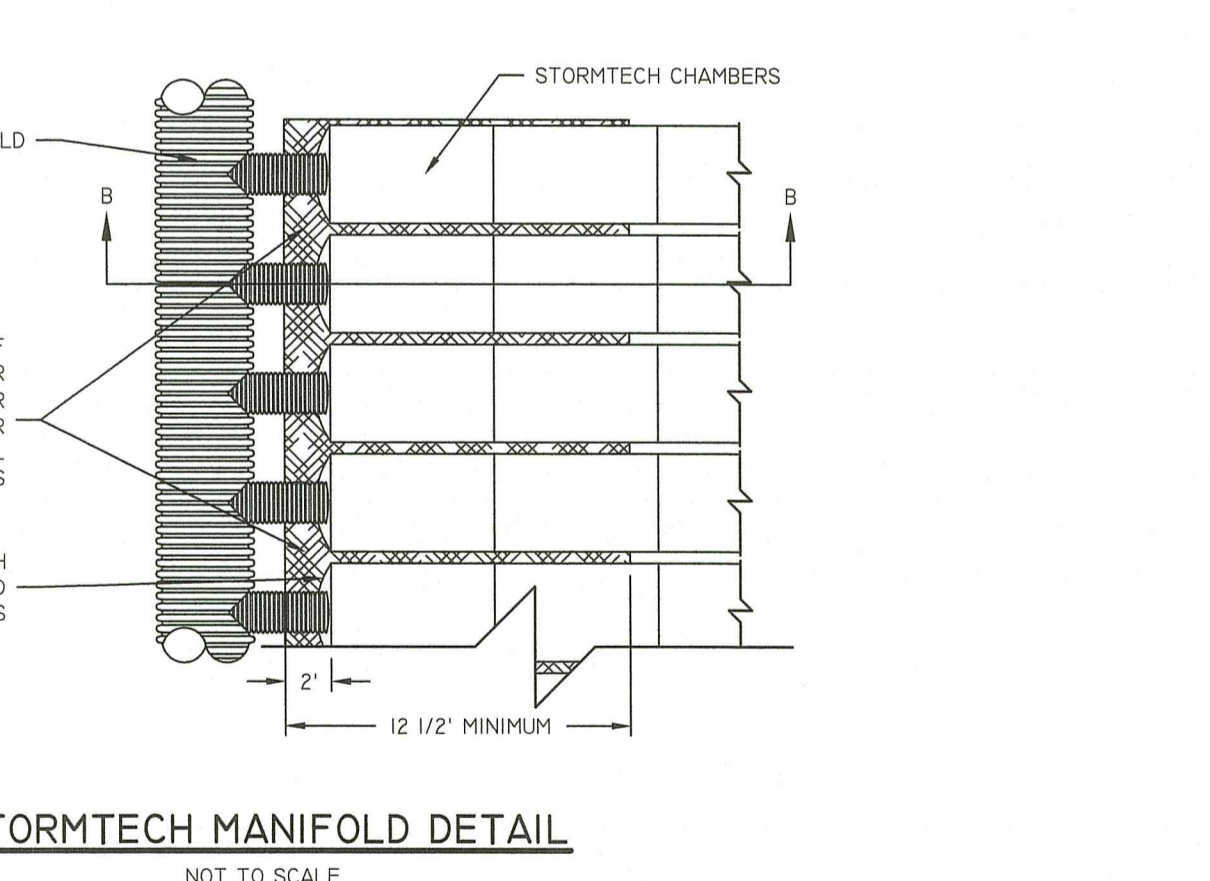
DESIGNED BY: N.D.K.
DRAWN BY: N.D.K.
CHECKED BY: N.D.K.
DATE: 08-12-2023



| DESCRIPTION | FOCAL POINT |
|---------------------------------|-------------|
| TOP OF FOCAL POINT ELEVATION | 157.00 |
| BOTTOM OF FOCAL POINT ELEVATION | 151.25 |
| 100 YEAR STORM ELEVATION | 155.61 |
| 10 YEAR STORM ELEVATION | 154.56 |
| 1 YEAR STORM ELEVATION | 154.40 |
| WG STORM ELEVATION | 153.87 |
| SEASONAL HIGH GWT ELEVATION | 148.26 |
| SOIL EVALUATION | TH-16 |

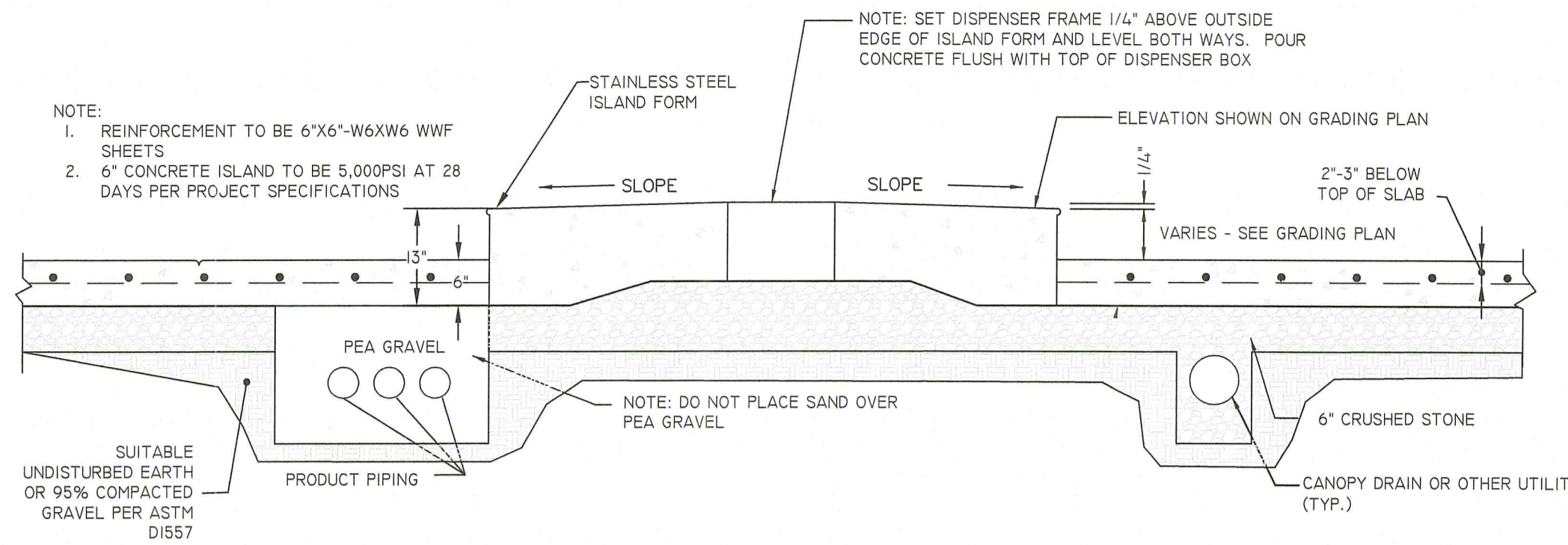


| DESCRIPTION | UDS-B |
|-------------------------------|---------|
| TOP OF UDS STONE ELEVATION | 155.50 |
| BOTTOM OF UDS STONE ELEVATION | 152.50 |
| 100 YEAR STORM ELEVATION | 155.51 |
| 10 YEAR STORM ELEVATION | 154.52 |
| 1 YEAR STORM ELEVATION | 153.43 |
| SEASONAL HIGH GWT ELEVATION | 151.00 |
| SOIL EVALUATION | TH-21-5 |

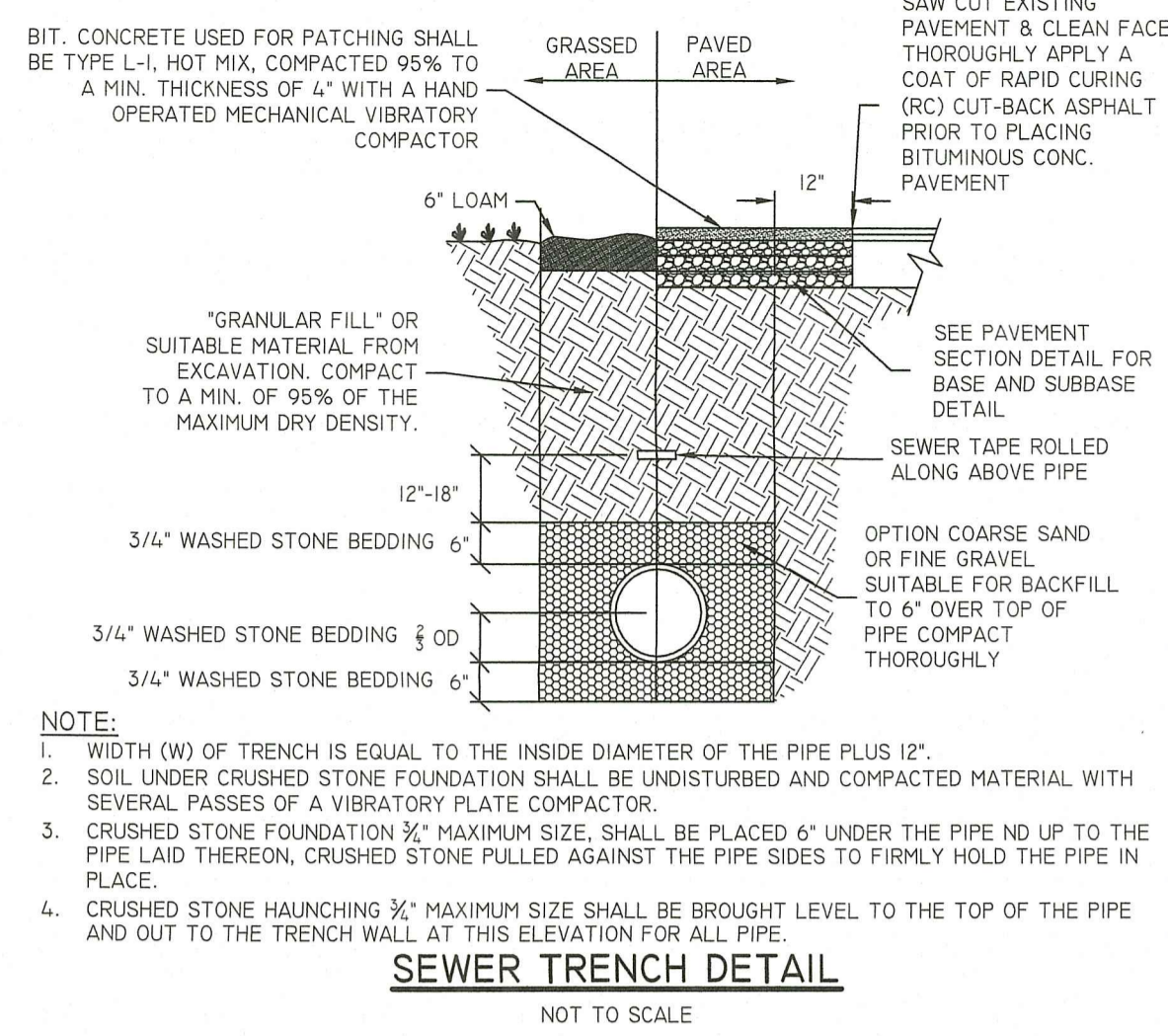


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DIPRETE ENGINEERING ONLY WARRANTS PLANS AS A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE USER ASSUMES ALL RESPONSIBILITIES AND OBLIGATIONS OF CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. ONLY DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES. SEE "UTILITY NOTE ON SHEET 3."

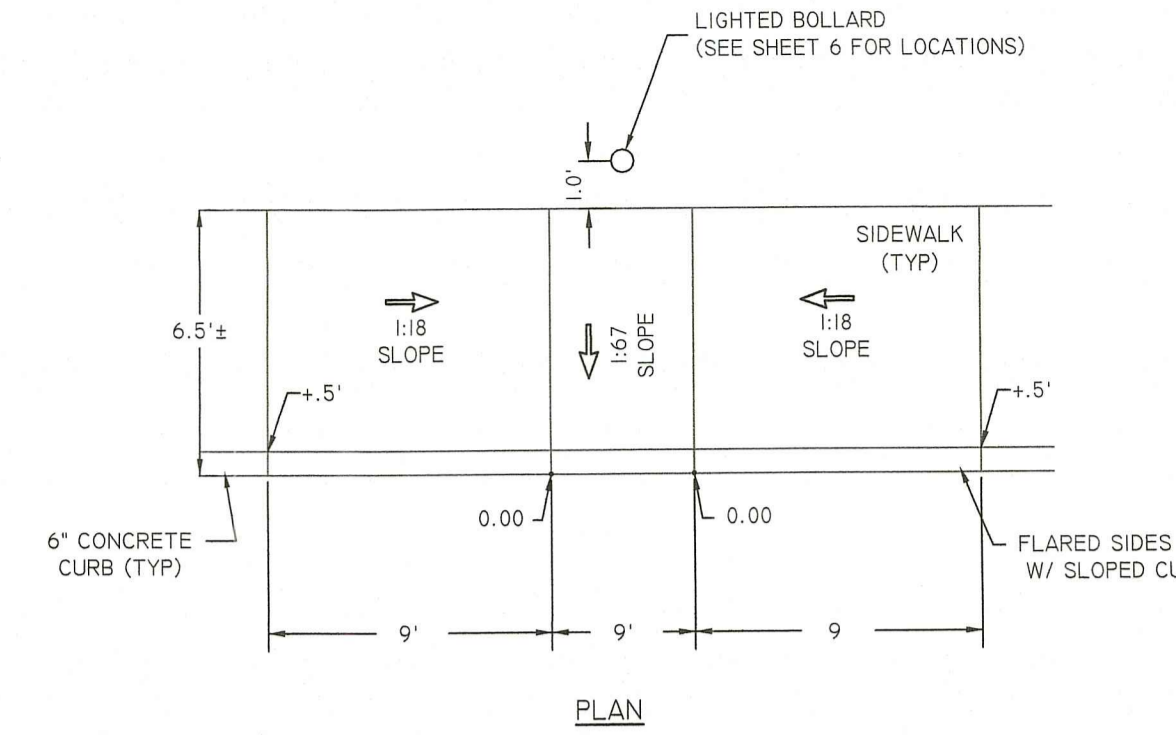
| NO. | DATE | DESCRIPTION | B.A.W. | N.D.K. |
|-----|------------|--------------------------------|--------|--------|
| 1 | 08-09-2023 | REVISED PER DER & DOT COMMENTS | B.A.W. | N.D.K. |
| 2 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 3 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 4 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 5 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 6 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 7 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 8 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 9 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 10 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 11 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 12 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 13 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 14 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 15 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 16 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 17 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 18 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 19 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |
| 20 | 03-15-2023 | PERMITTING PLAN SUBMISSION | B.A.W. | N.D.K. |



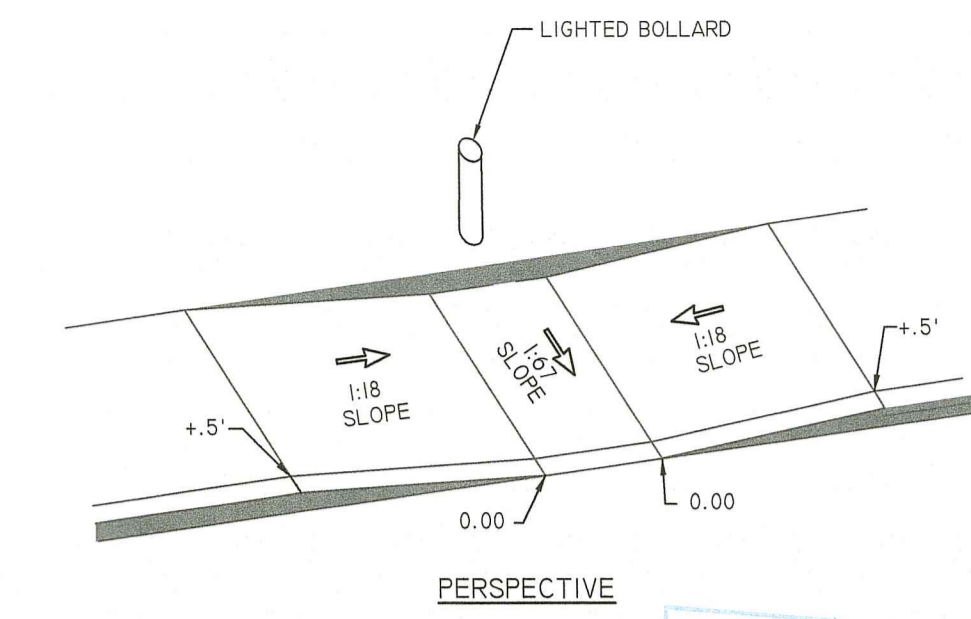
SECTION THRU PUMP ISLAND



SEWER TRENCH DETAIL

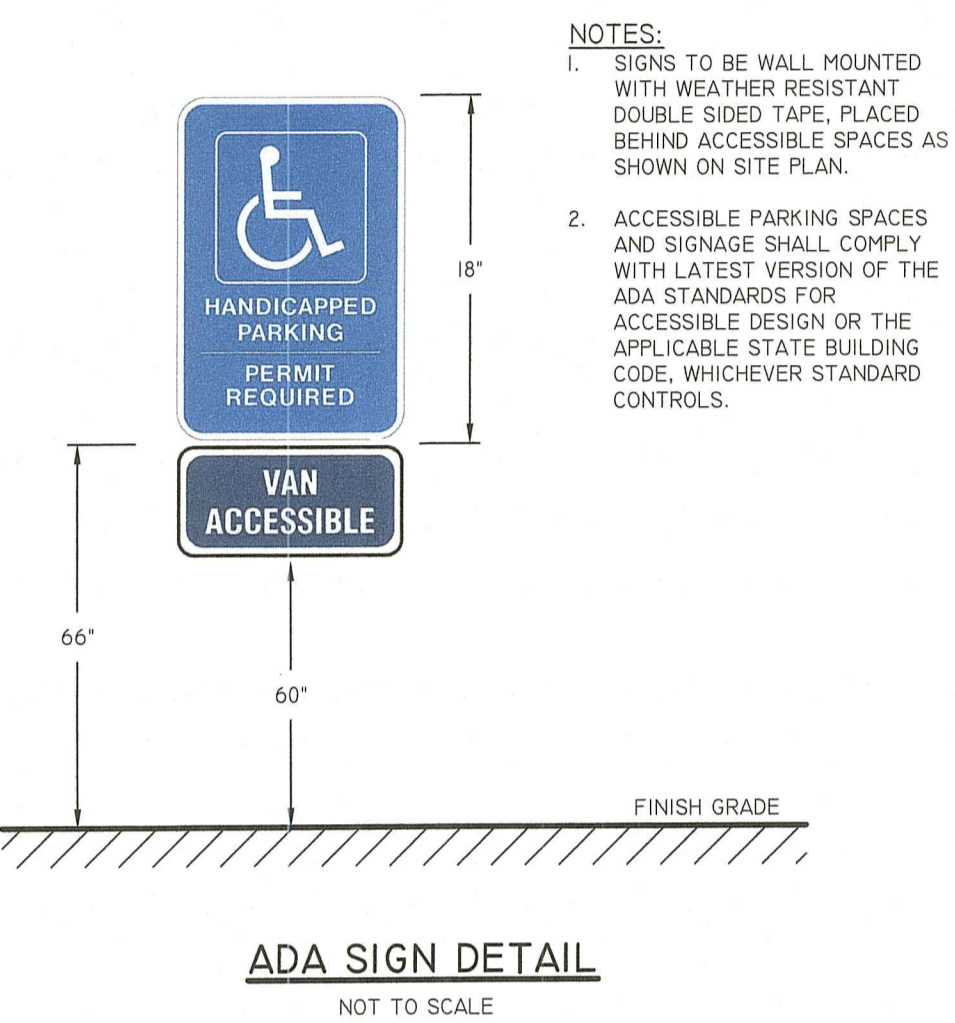


ACCESSIBLE RAMP AT BUILDING

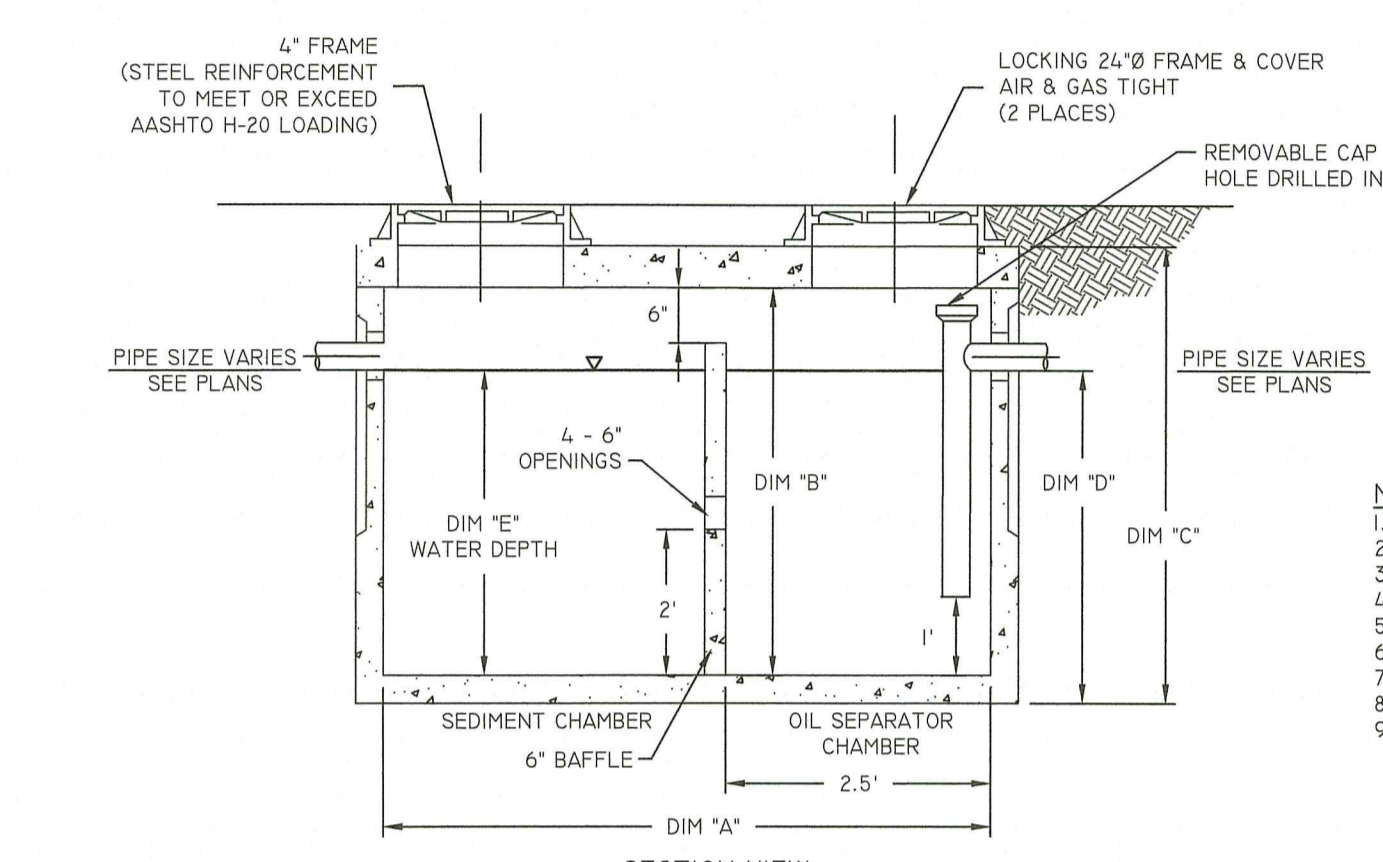


Environmental Management
AUG 22 2023
Office of Water Resources

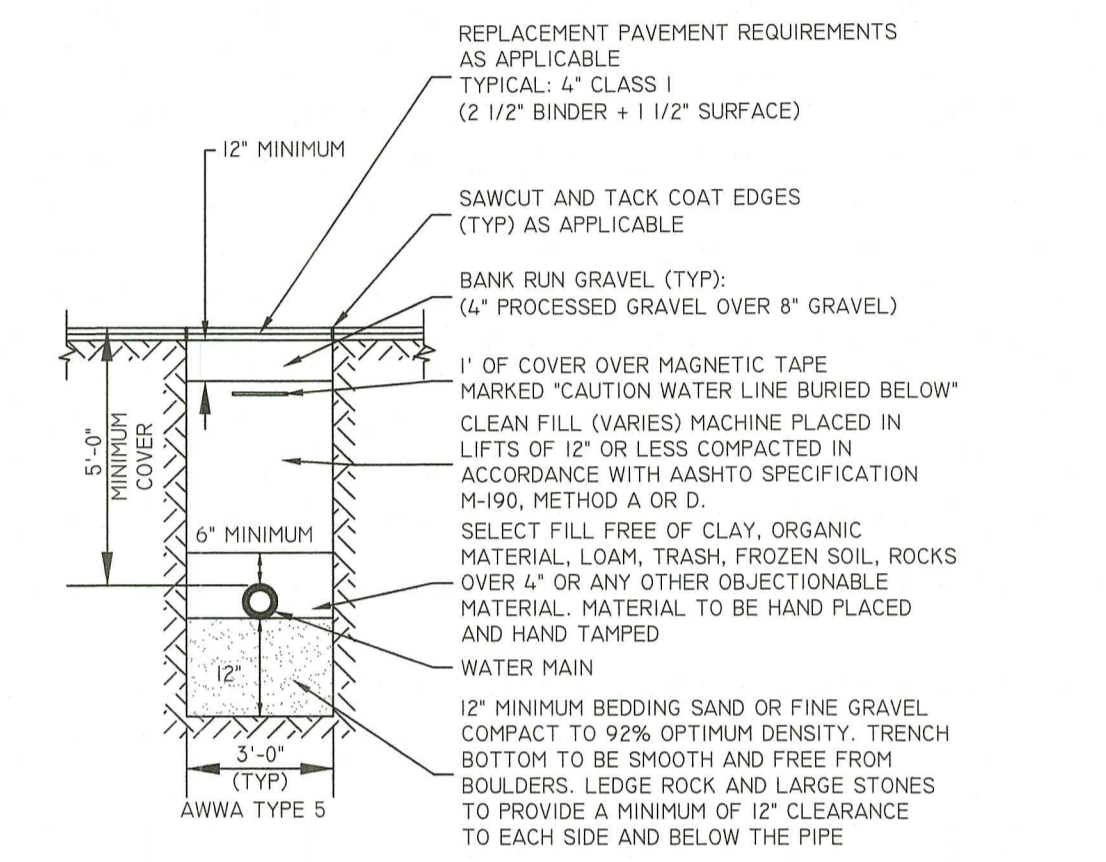
DiPrete Engineering
Two Stafford Court Cranston, RI 02920
Tel: 401-943-1000 Fax: 401-664-6005 www.diprete-eng.com
Boston • Providence • Newport



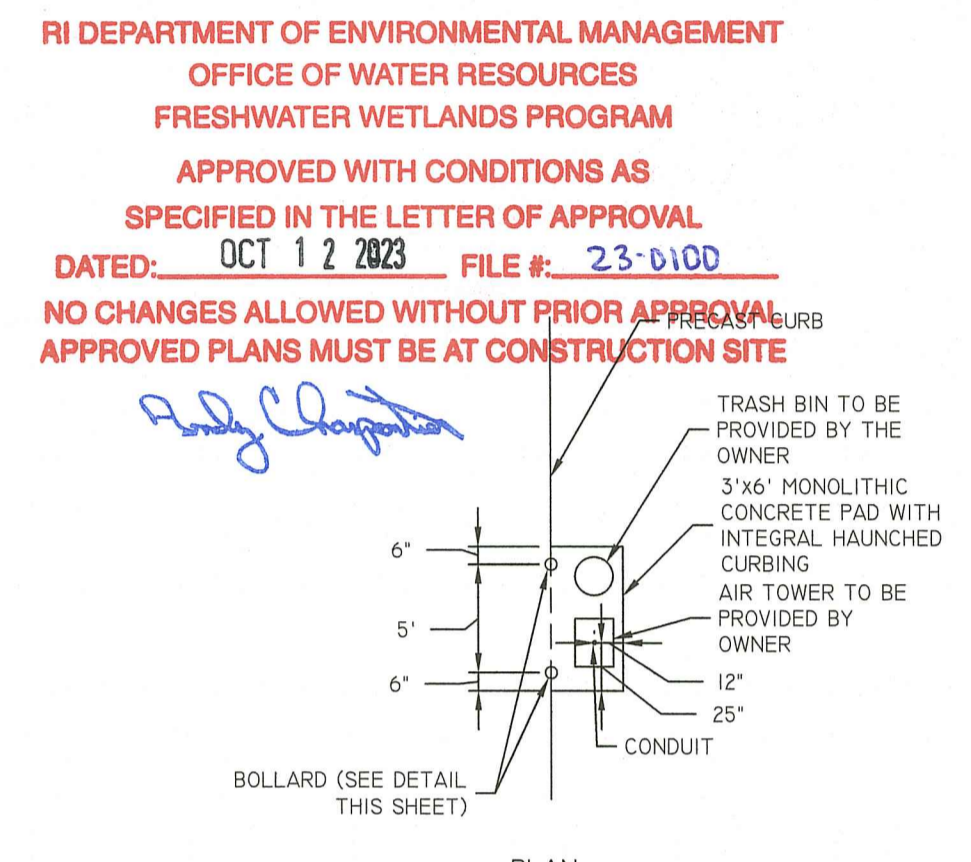
ADA SIGN DETAIL



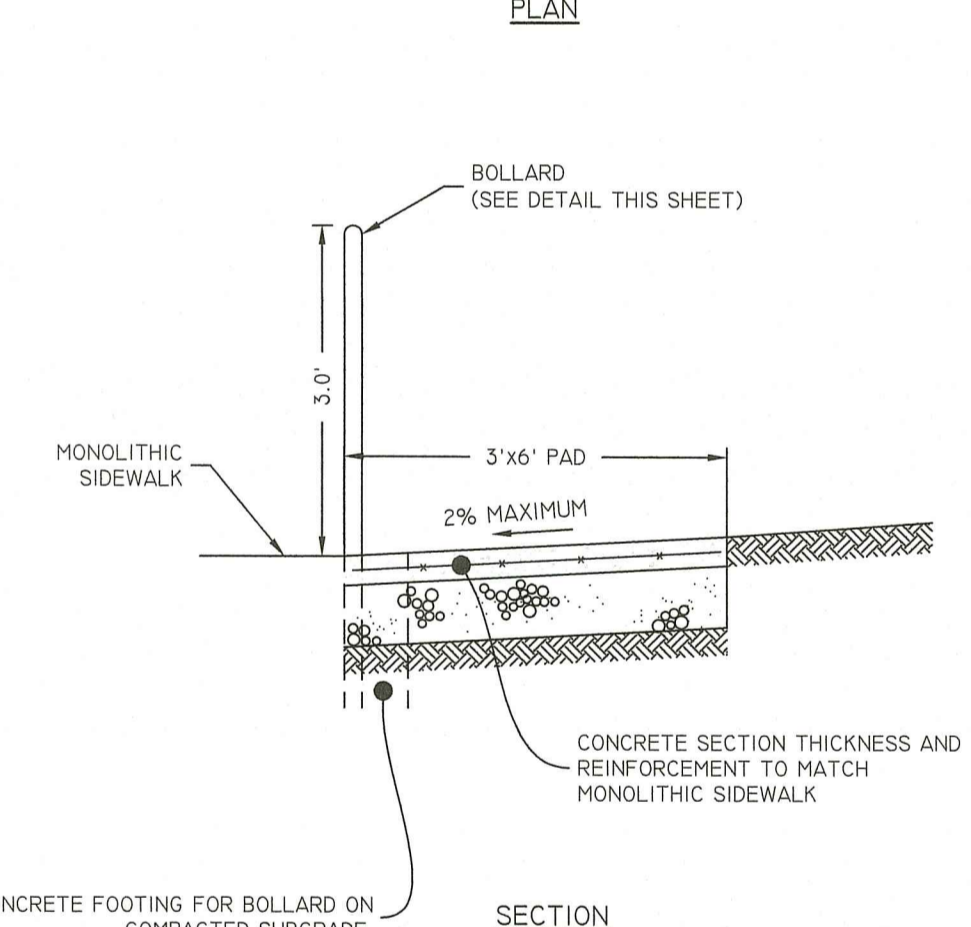
1,000 GALLON OIL/GRIT SEPARATOR (OLD CASTLE PRECAST 1000-FQ-OWS OR APPROVED EQUAL)



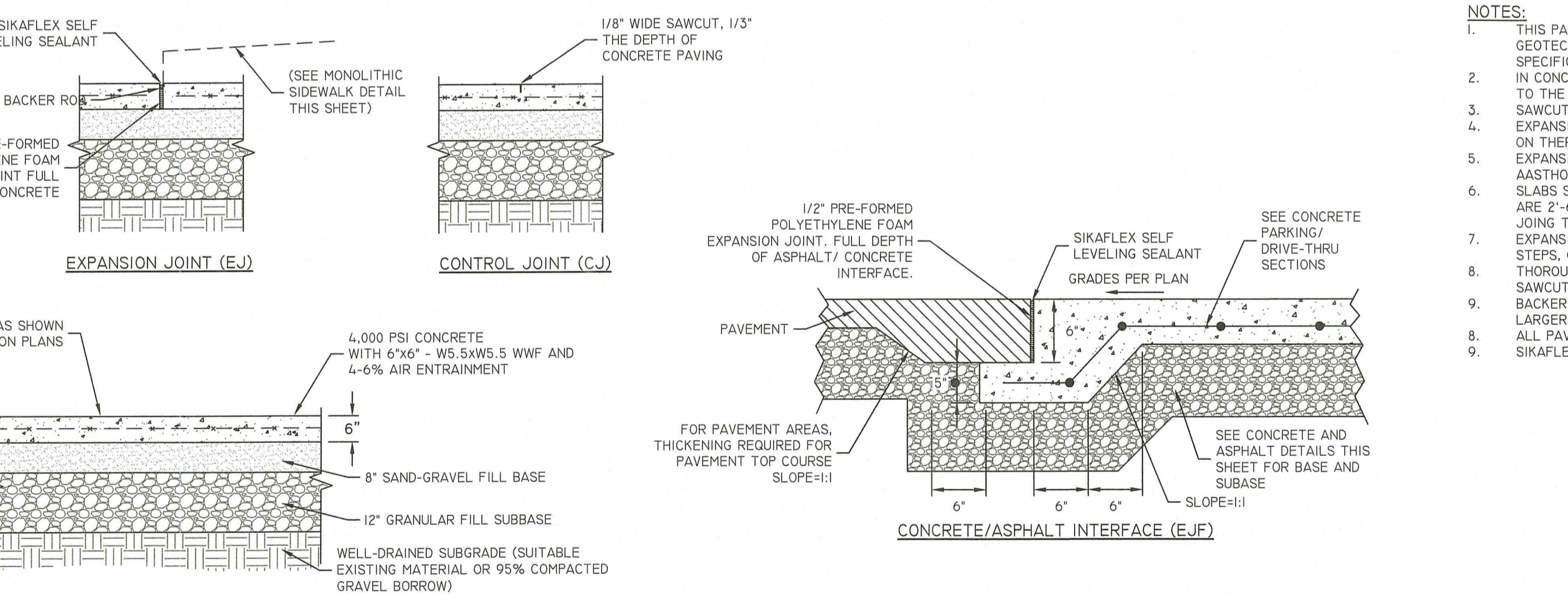
WATER TRENCH DETAIL



AIR TOWER FOUNDATION DETAIL

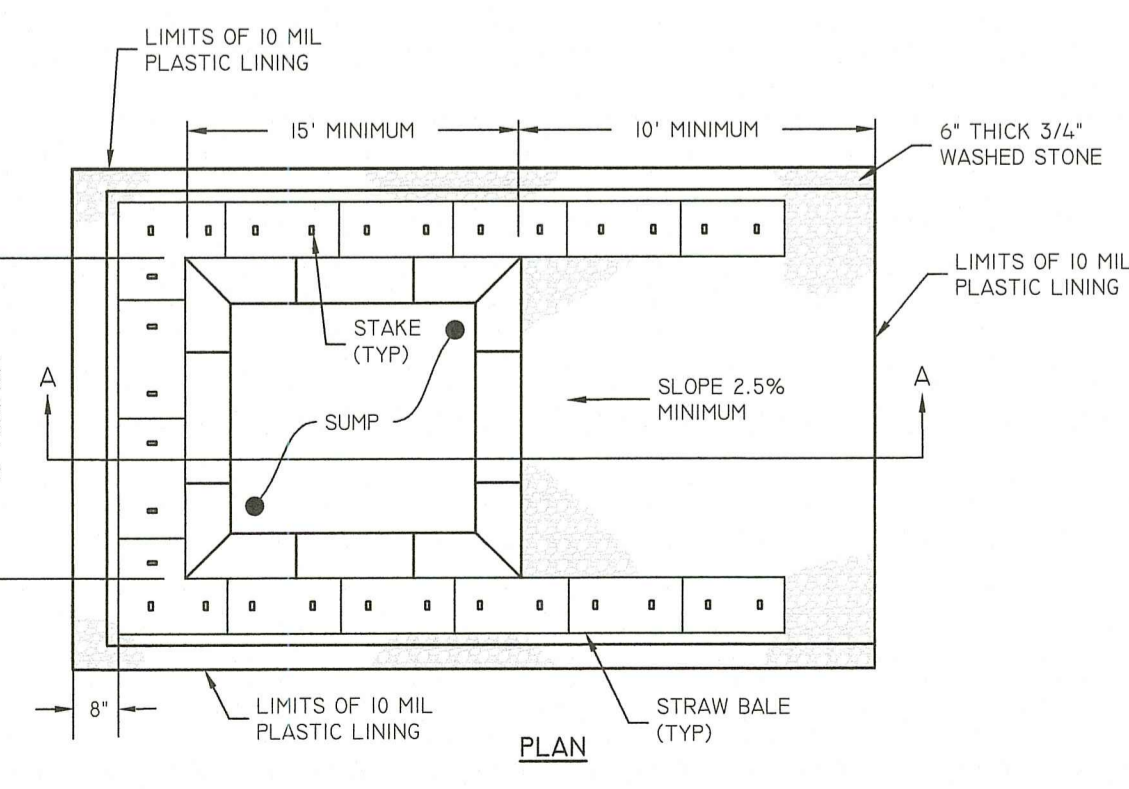


UTILITY SEPARATION

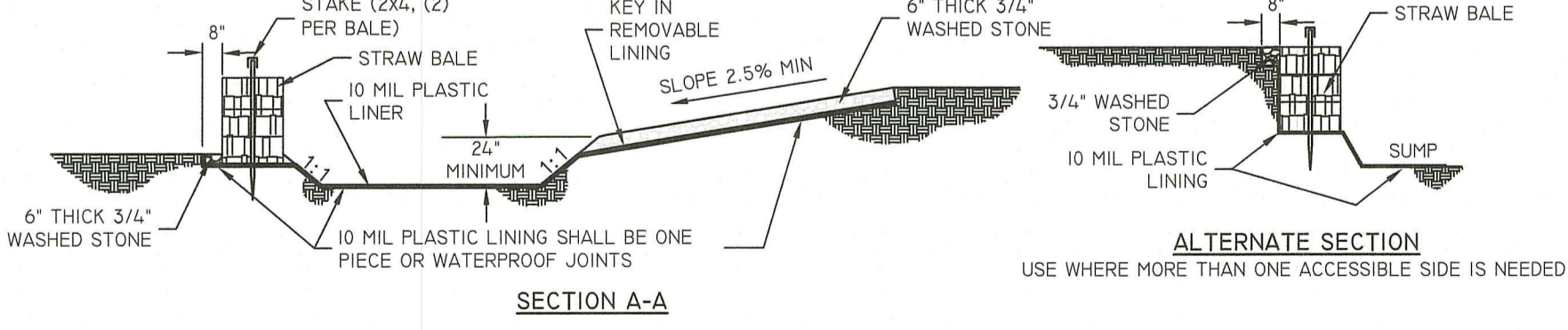


CONCRETE PARKING/DRIVE THRU PAD DETAILS

- NOTES:
- THIS PAVEMENT SECTION DETAIL REFLECTS ASSUMED MINIMUM REQUIREMENTS WITHOUT GEOTECHNICAL EVALUATION. FINAL DESIGN TO BE BASED ON GEOTECHNICAL DATA OF SPECIFIC PROJECT AND DAILY TRAFFIC DESIGN REQUIREMENTS.
 - IN CONCRETE PARKING PAD AREAS, JOINTING TO ALIGN WITH PARKING STRIPING, SUBJECT TO THE MAXIMUM LIMITS LISTED BELOW.
 - EXPANSION JOINTS TO BE MAX SPACING OF 15' O.C.
 - EXPANSION JOINTS TO BE MAX SPACING OF 80' O.C WITH A JOINT FILLER THICKNESS BASED ON THERMAL EXPANSION.
 - EXPANSION JOINTS TO BE INSTALLED FULL DEPTH OF PAVEMENT AND SEALED WITH AN AASTHO APPROVED ELASTOMERIC JOINT SEALER.
 - SLABS SEPARATED BY AN EXPANSION JOINT SHOULD BE TIED TOGETHER WITH DOWELS THAT ARE 2'-6" LONG AT A SPACING OF 18". DOWELS MUST BE SLEEVED ON ONE SIDE OF THE JOINT TO ALLOW FOR MOVEMENT WITHOUT CRACKING.
 - EXPANSION JOINTS TO BE INSTALLED AT INTERFACE WITH ALL WALLS, CURBS, COLUMNS, STEPS, CHANGES IN PAVEMENT AND BUILDINGS.
 - THOROUGHLY WASH AND CLEAN ALL SURFACES AND REMOVE ALL DEBRIS AFTER SAWCUTTING.
 - BACKER ROD SHALL BE A CLOSED CELL POLYURETHANE FOAM ROD WITH A DIAMETER 25% LARGER THAN THE WIDTH OF PREFORMED JOINT.
 - ALL PAVEMENT LAYERS MUST COMPLY WITH TOWN & RIDOT SPECIFICATIONS.
 - SIKAFLEX SELF LEVELING SEALANT COLOR TO BE GRAY.

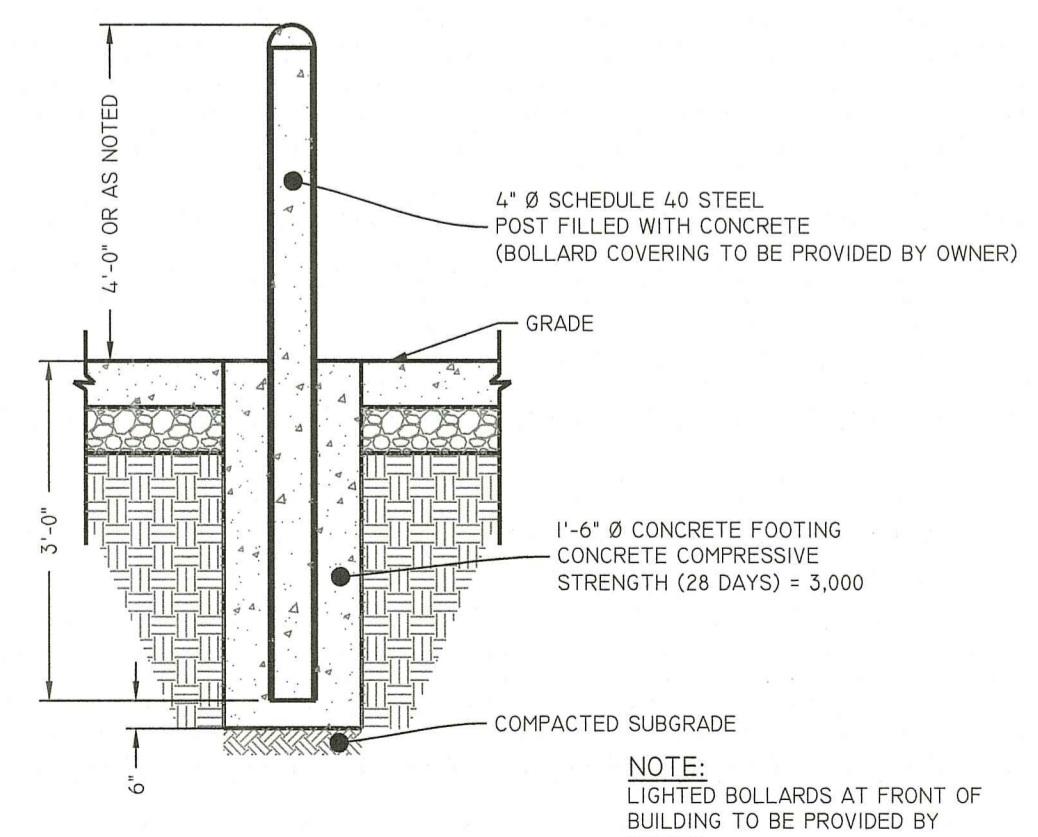


CONCRETE WASHOUT AREA

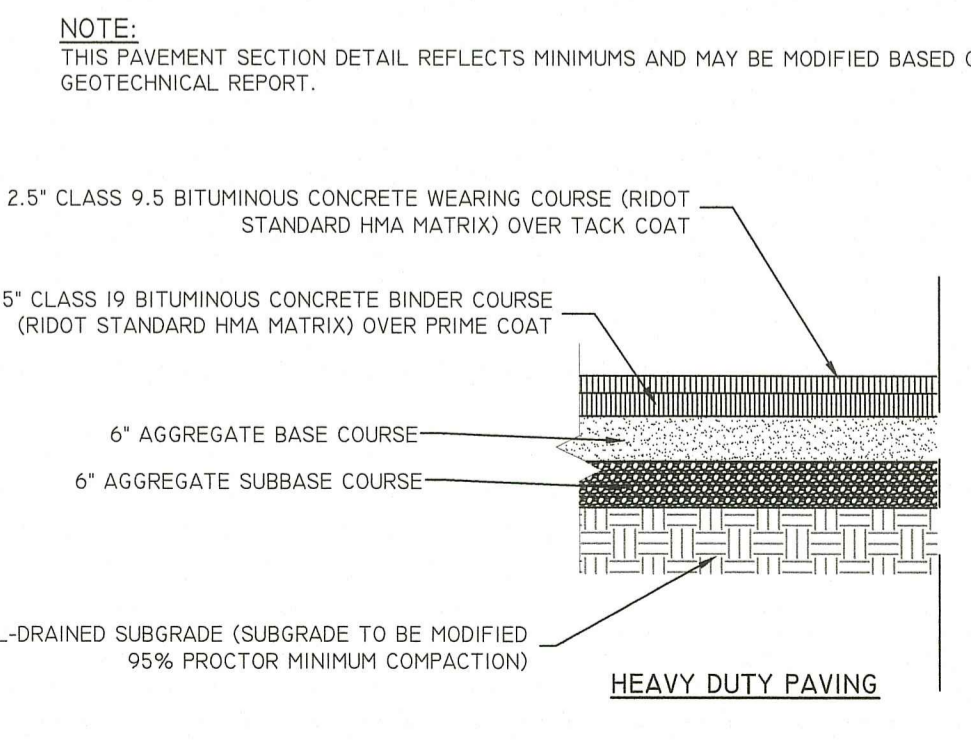


- NOTES:
- PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
 - WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.
 - FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12" .
 - FACILITY 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



BOLLARD DETAIL



TYPICAL PAVEMENT SECTION

AUDIE D. OSGOOD
REGISTERED PROFESSIONAL ENGINEER CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS SPECIFICALLY ISSUED FOR CONSTRUCTION AND STAMPED BY THE REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. THE USER ASSUMES ALL RESPONSIBILITIES AND OBLIGATIONS IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN. 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.

| B.A.N. | N.D.K. | BY: |
|------------|-------------------------------|-------------|
| 08-09-2023 | REUSED PER DEE & DOT COMMENTS | |
| 03-15-2023 | PERMITTING PLAN SUBMISSION | |
| NO. | DATE | DESCRIPTION |

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

DETAIL SHEET - I
SEASONS CORNER MARKET
ASSESSOR'S PLAT 19 LOT 624
TIVERTON, RHODE ISLAND
PREPARED FOR:
COLBEA ENTERPRISES, LLC
695 GEORGE WASHINGTON HWY, LINCOLN, RI 02865
TEL 401-943-1005 FAX 401-943-5109

SEWER LINE/WATER MAIN SEPARATION POLICY FOR DESIGN OF SANITARY SEWERS

A. LATERAL PLACEMENT OF SEWERS AND WATER MAINS

SEWERS SHALL BE LAID AT LEAST 10' HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED OUTSIDE EDGE-TO-OUTSIDE EDGE. THERE IS NO MINIMUM VERTICAL SEPARATION REQUIRED PROVIDED THE 10' HORIZONTAL SEPARATION IS MAINTAINED. STRUCTURES, OTHER THAN PIPELINES OR CONDUITS, THROUGH WHICH SANITARY WASTEWATER FLOWS SUCH AS, BUT NOT LIMITED TO, MANHOLES, VALVE VAULTS, METER PITS AND PUMP STATION WET WELLS SHALL ALSO BE CONSTRUCTED AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER LINE, MEASURED EDGE-TO-EDGE.

IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10' HORIZONTAL SEPARATION, THE AUTHORITY HAVING JURISDICTION, MAY ALLOW DEVIATION ON A CASE BY CASE BASIS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH DEVIATION MAY ALLOW INSTALLATION OF THE SEWER CLOSER TO A WATER MAIN, PROVIDED THAT:

1. THE SEWER AND WATER MAIN ARE LAID IN SEPARATE TRENCHES, OR
2. THE SEWER AND WATER MAIN MAY BE INSTALLED IN THE SAME TRENCH WITH THE WATER MAIN PLACED ON A BENCH OF UNDISTURBED EARTH, AND
3. IN EITHER CASE, THE CROWN OF THE SEWER SHALL BE AT LEAST 18" BELOW THE INVERT OF THE WATER MAIN.

IN SITUATIONS WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, THE FOLLOWING PROTECTION SHALL BE PROVIDED:

1. ENCASEMENT OF THE SEWER PIPE IN CONCRETE (MINIMUM 6" THICKNESS) OR A CARRIER PIPE FOR AT LEAST 10' EITHER SIDE OF THE AREA NOT COMPLYING WITH THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION, OR
2. DESIGN AND CONSTRUCTION OF THE SEWER EQUAL TO WATER MAIN PIPE (CEMENT-LINED DUCTILE IRON OR OTHER AWWA-APPROVED MATERIAL FOR POTABLE WATER CONVEYANCE), AND PRESSURE TESTED IN ACCORDANCE WITH AWWA SPECIFICATIONS.
3. IN INSTANCES OF CONFLICT WITH SANITARY WASTEWATER STRUCTURES MENTIONED ABOVE, RELOCATE THE WATER LINE TO ACHIEVE EITHER A 10 FOOT HORIZONTAL OR 18 INCH VERTICAL SEPARATION.

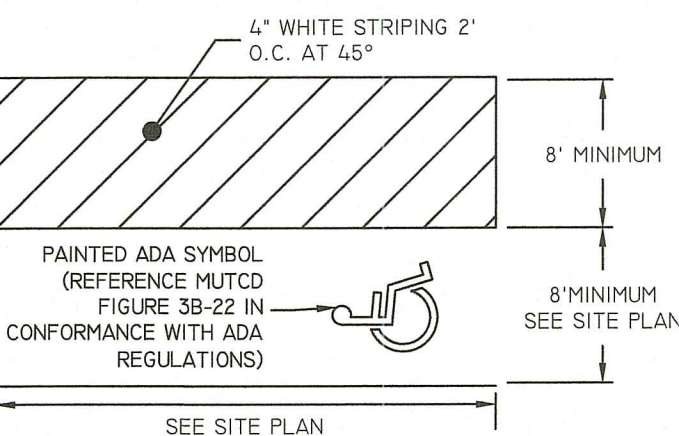
B. SEWERS CROSSING WATER MAINS

SEWERS CROSSING OVER WATER MAINS SHOULD BE AVOIDED, BUT IF CONDITIONS WARRANT THIS SITUATION, THEN ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO MAINTAIN LINE AND GRADE. SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE INVERT OF THE WATER MAIN AND THE CROWN OF THE SEWER. RELOCATION OF AN EXISTING WATER LINE MAY BE NECESSARY TO ACHIEVE THIS VERTICAL SEPARATION. RELOCATED WATER LINES SHALL BE CONSTRUCTED OF AN AWWA-APPROVED MATERIAL FOR POTABLE WATER CONVEYANCE AND DESIGNED FOR THE REQUIRED WATER SERVICE PRESSURE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.

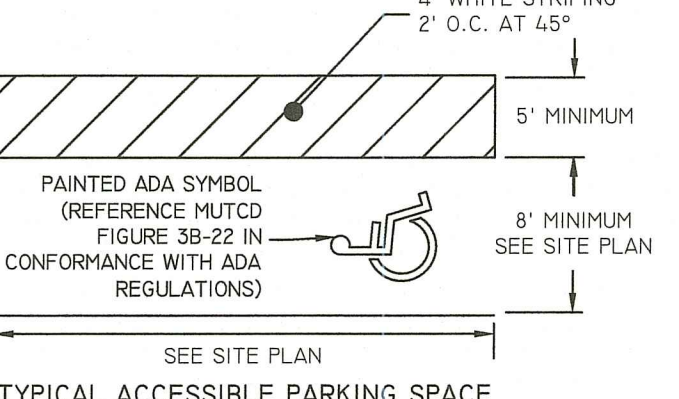
WHERE CONDITIONS PREVENT AN 18" VERTICAL SEPARATION FROM BEING MAINTAINED, THE FOLLOWING METHODS SHALL BE SPECIFIED:

- A. THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER MAIN PIPE (CEMENT-LINED DUCTILE IRON PIPE, PVC OR OTHER AWWA APPROVED MATERIAL FOR POTABLE WATER CONVEYANCE) FOR A DISTANCE OF 12' ON EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATER MAIN AND PRESSURE TESTED IN ACCORDANCE WITH AWWA SPECIFICATIONS, OR
- B. EITHER THE WATER MAIN OR THE SEWER MAY BE ENCASED IN CONCRETE (MINIMUM 6" THICKNESS) OR A CARRIER PIPE FOR A DISTANCE OF 12' ON EACH SIDE OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATER MAIN. THE CARRIER PIPE SHALL BE DESIGNED AND CONSTRUCTED OF MATERIALS WHICH ARE SATISFACTORY TO THE AUTHORITY HAVING JURISDICTION, OR
- C. ANY OTHER METHODS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER, WHICH ENSURE ADEQUATE WATER TIGHTNESS AND ARE SATISFACTORY TO THE AUTHORITY HAVING JURISDICTION.

WATER LINES ARE DEFINED AS ANY CONDUITS OR PIPELINES THAT CONVEY POTABLE WATER.



NOTES:
1. ALL PAINT MUST BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248 TYPE F. PAINT MUST BE APPLIED AS SPECIFIED BY THE MANUFACTURER.
2. 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.
3. 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.

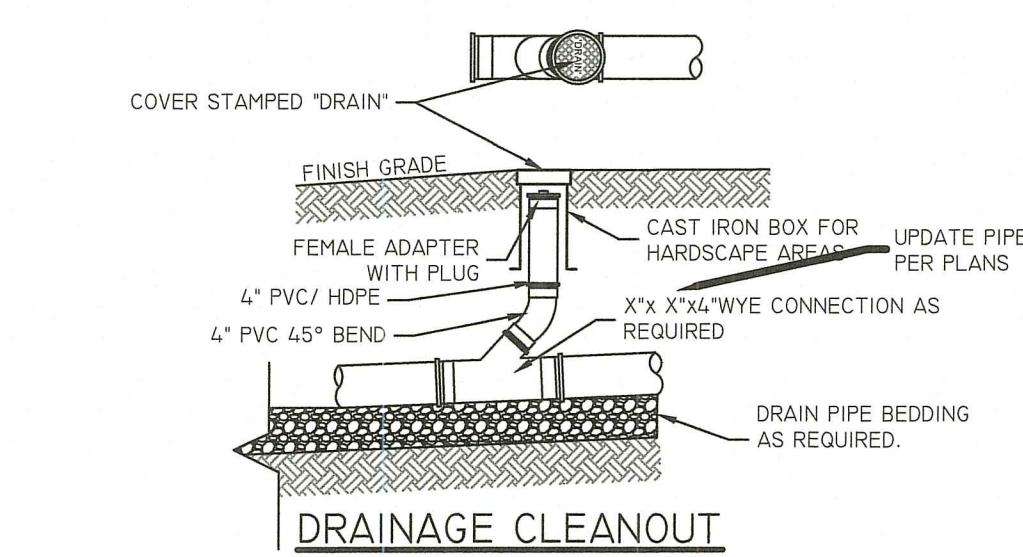


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TYPICAL ACCESSIBLE PARKING SPACES
NOT TO SCALE

NOTES:

1. ALL PIPE AND FITTINGS SHALL BE HDPE.
2. PIPE BEDDING AND BACKFILL FOR CLEANOUTS SHALL MEET APPLICABLE DRAINAGE SPECIFICATIONS UNLESS OTHERWISE NOTED BY ENGINEER.
3. SEE PLANS FOR DRAINAGE CLEANOUT LOCATIONS.
4. 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."

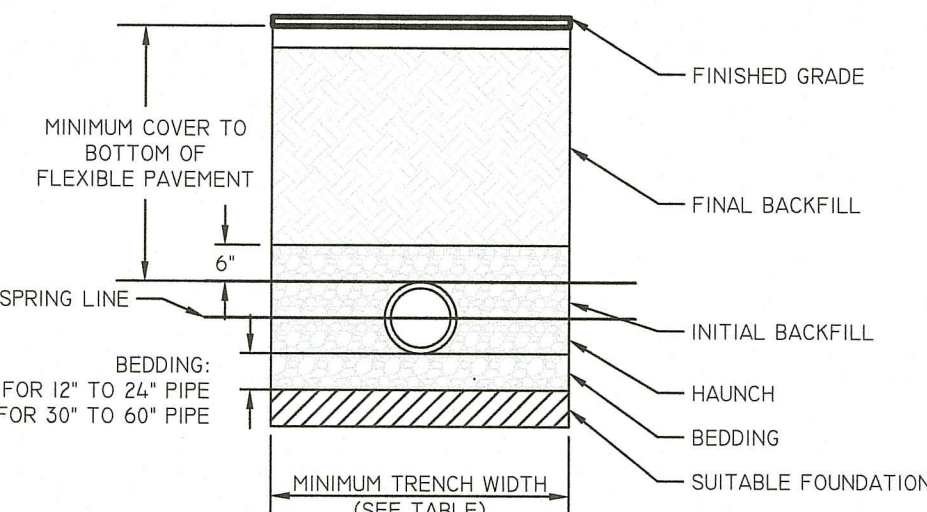


DRAINAGE CLEANOUT
NOT TO SCALE

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" 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.

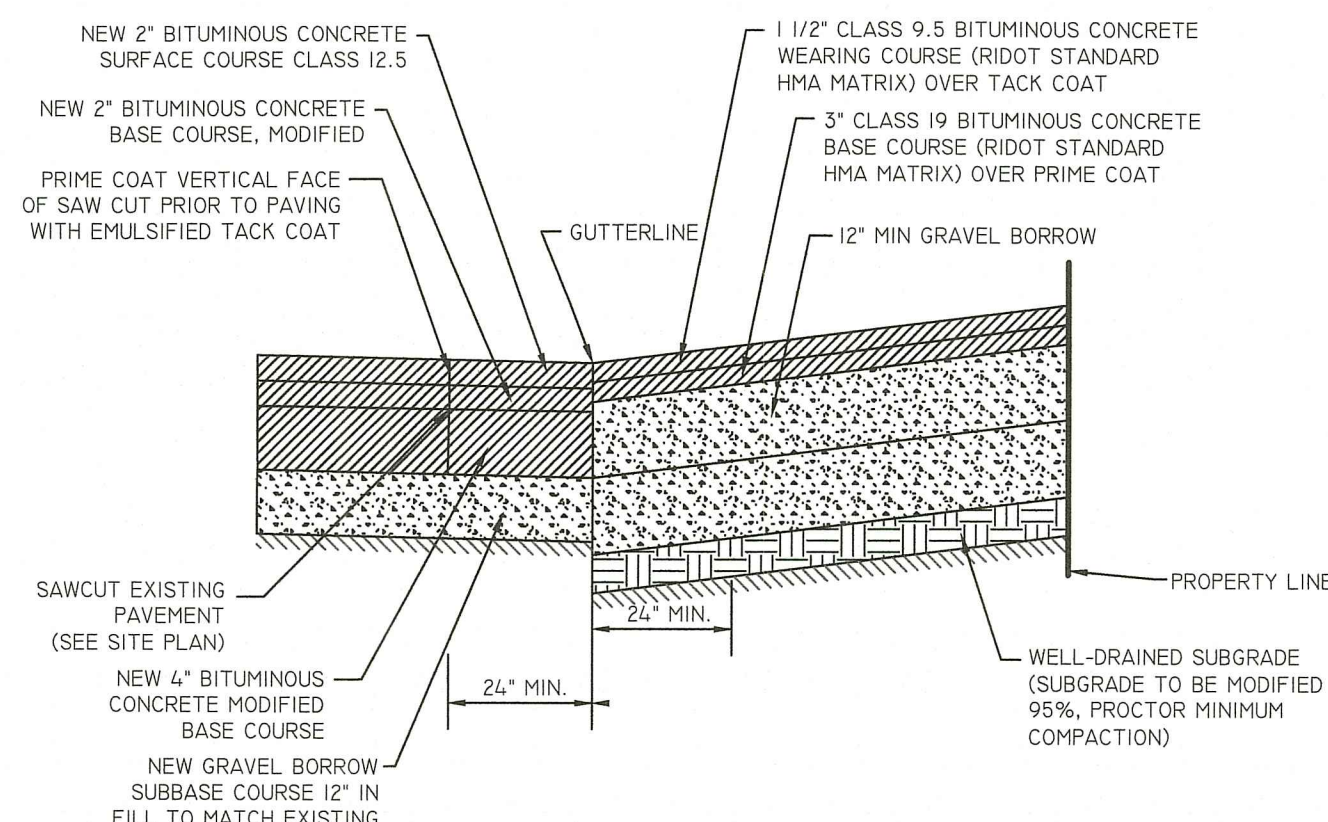
| PIPE Ø | MIN. TRENCH WIDTH | PIPE Ø | MIN. TRENCH WIDTH |
|--------|-------------------|--------|-------------------|
| 4" | 21" | 24" | 48" |
| 6" | 23" | 30" | 56" |
| 8" | 26" | 36" | 64" |
| 10" | 28" | 42" | 72" |
| 12" | 30" | 48" | 80" |
| 15" | 34" | 60" | 96" |
| 18" | 39" | | |



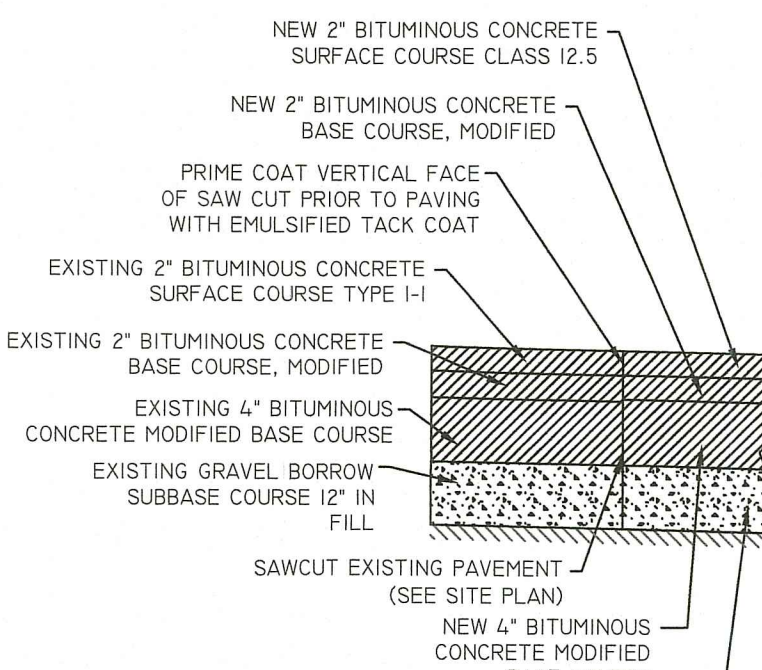
HDPE TRENCH DETAIL
NOT TO SCALE

NOTE:

PROPOSED THICKNESS IS MINIMUM, AND IF EXISTING THICKNESS IS FOUND TO BE GREATER, THE RESTORATION MUST FOLLOW AND MATCH THE EXISTING PAVEMENT STRUCTURE TO ENSURE SIMILAR STRUCTURAL CAPACITIES. IF A CONCRETE BASE IS FOUND IN THE ROADWAY, RESTORATION SHALL INCLUDE CLASS XX CONCRETE BASE IN-KIND THICKNESS IN ACCORDANCE WITH RI STANDARD SPECIFICATIONS.



SECTION THROUGH SITE ENTRANCE/DRIVEWAYS

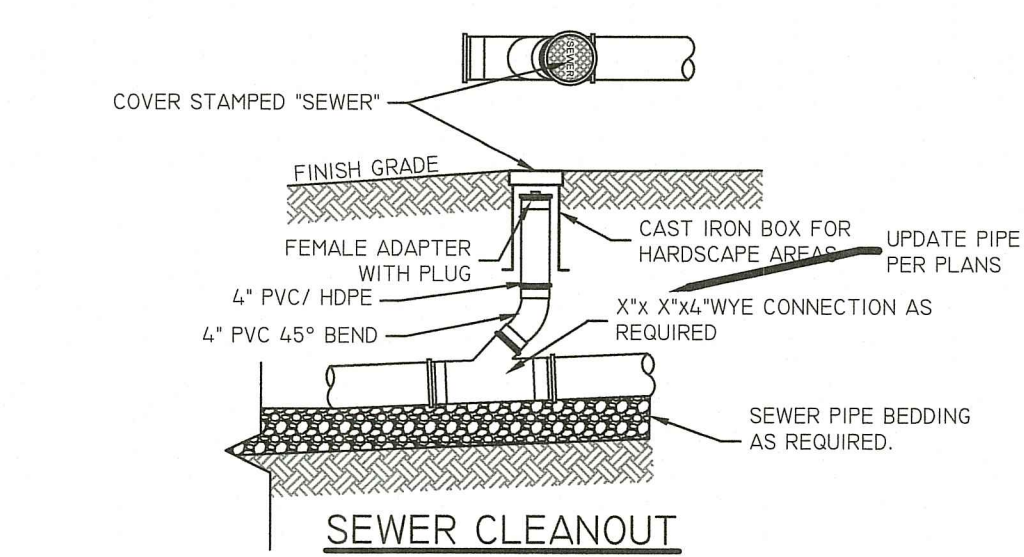


SECTION THROUGH TRENCH

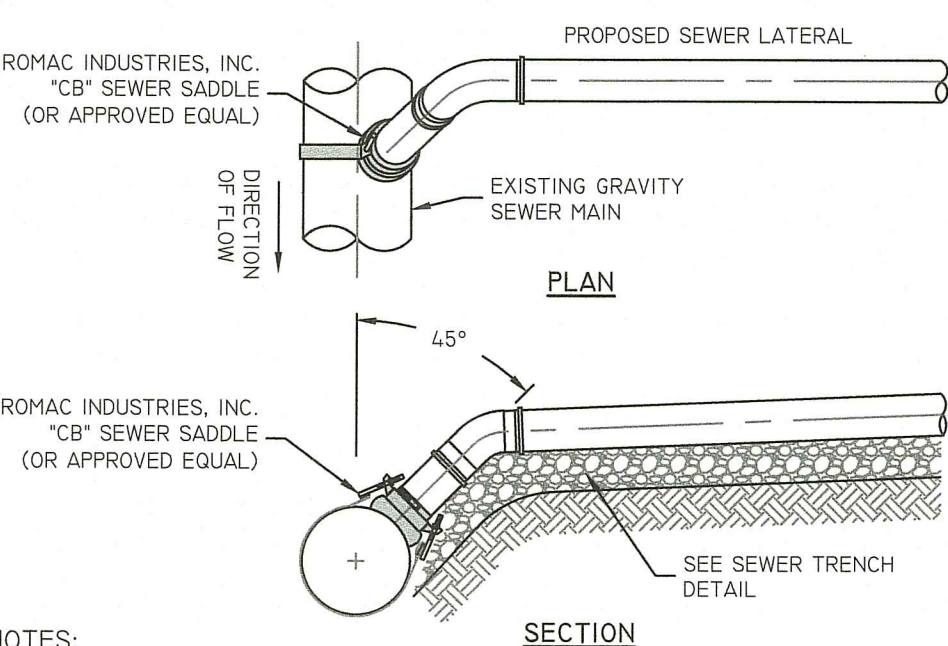
SAW CUT AND MATCH DETAIL CROSS SECTIONS (MAIN ROAD & SOUZA ROAD)

NOTES:

1. ALL PIPE AND FITTINGS SHALL BE SCH-40 PVC.
2. PIPE BEDDING AND BACKFILL FOR CLEANOUTS SHALL MEET APPLICABLE SEWER SPECIFICATIONS UNLESS OTHERWISE NOTED BY ENGINEER.
3. 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'.
4. 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."

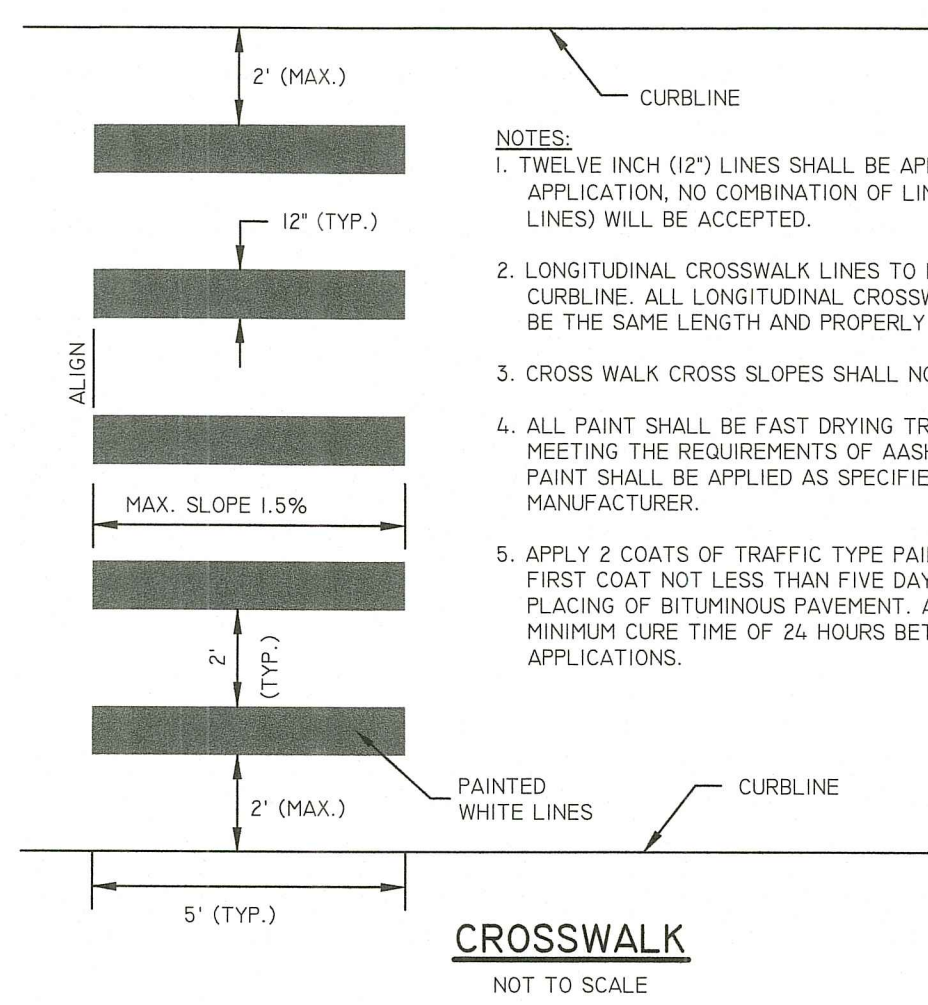


SEWER CLEANOUT
NOT TO SCALE



- NOTES:**
1. SADDLE MUST BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER SPECIFICATIONS AND INSTRUCTIONS.
 2. ALL PIPE AND FITTINGS MUST BE GASKETED SDR-35 PVC (OR) SCH-40 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.

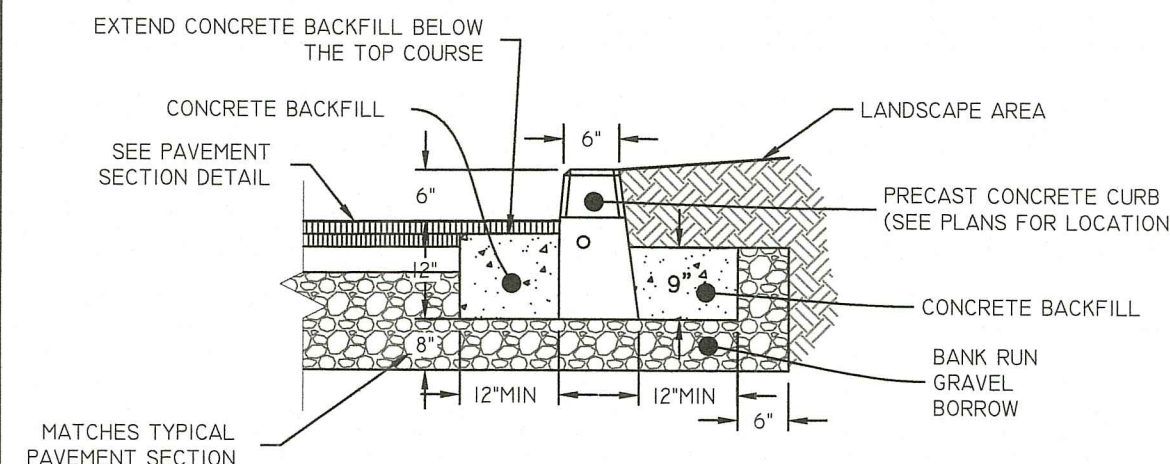
SEWER SADDLE CONNECTION DETAIL
NOT TO SCALE



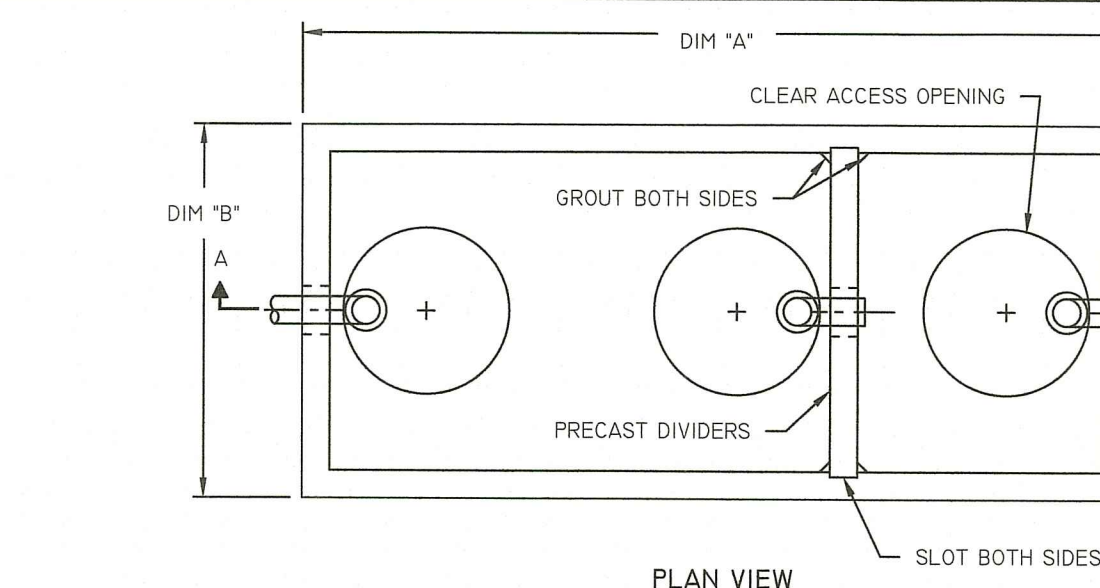
CROSSWALK
NOT TO SCALE

NOTES:

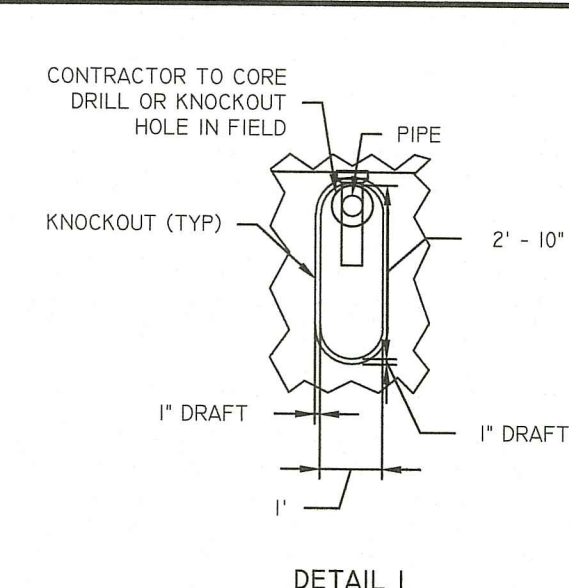
1. PRECAST CONCRETE CURBING TO BE INSTALLED AT SPECIFIED ELEVATIONS ON PLANS PRIOR TO POURING OF CONCRETE BACKFILL.
2. ALL LOCATIONS SPECIFIED IN PLAN SET AS PRECAST CURBING TO HAVE CONCRETE BACKFILL A MINIMUM WIDTH OF 12" AND DEPTH OF 9" POURED BEHIND PRECAST CURBING.
3. ALL CONCRETE BACKFILL TO BE 4,000 PSI.
4. PROVIDE EXPANSION JOINTS @ 20' O.C. MAX.



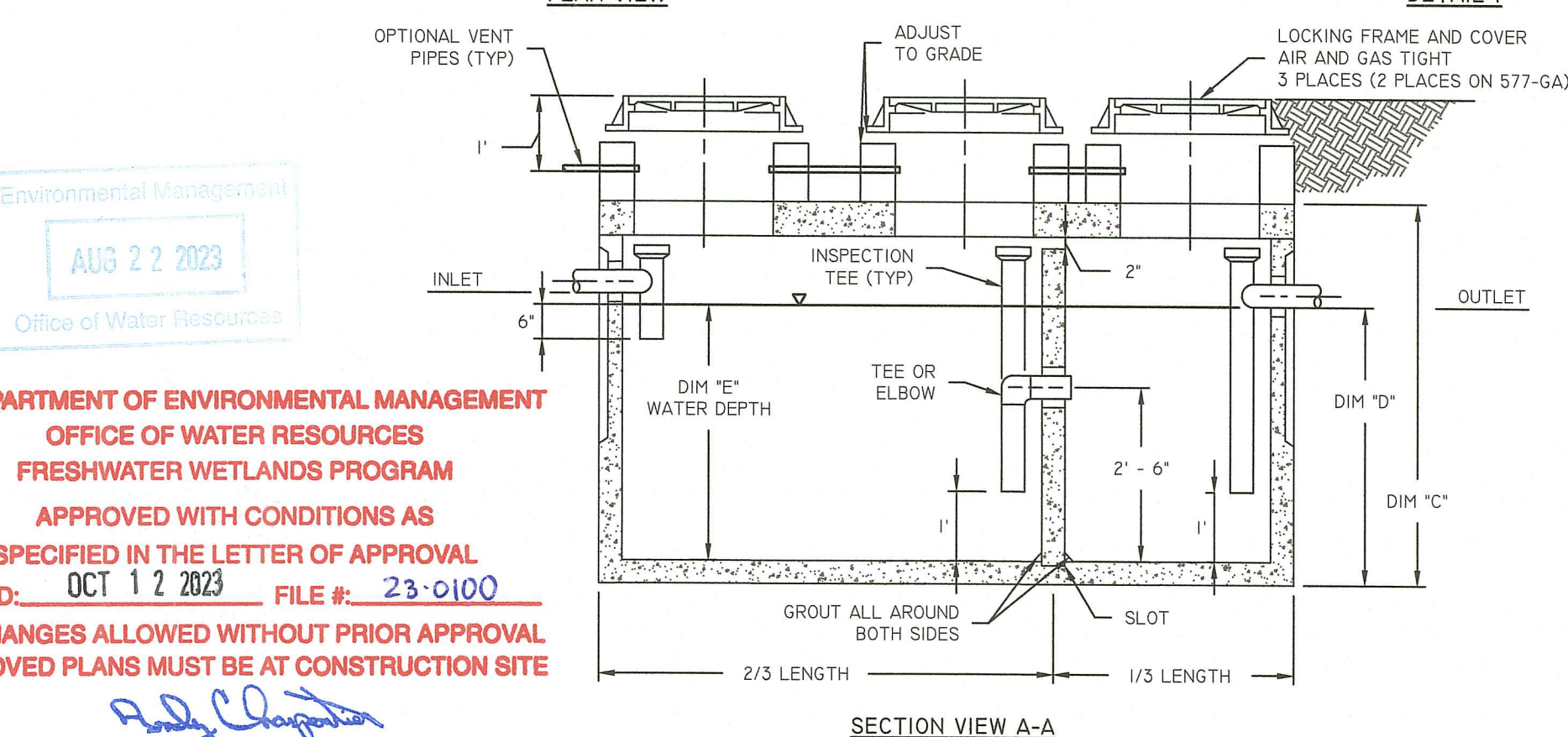
ON-SITE PRECAST CURB SETTING DETAIL
NOT TO SCALE



PLAN VIEW



DETAIL I



SECTION VIEW A-A

| GALLON CAPACITY | 600 | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | 7000 |
|---------------------|--------|--------|---------|---------|-----------|-----------|--------|--------|-----------|------------|---------|
| UV MODEL NO. | 577-GA | 577-GA | 4484-GA | 5106-GA | 612-GA | 612-GA | 712-GA | 712-GA | 814-GA | 818-GA | 818-GA |
| DIM "A" | 7'-0" | 7'-0" | 9'-0" | 11'-2" | 12'-8" | 12'-8" | 13'-1" | 13'-1" | 15'-7" | 19'-11" | 19'-11" |
| DIM "B" | 4'-8" | 4'-8" | 5'-0" | 5'-8" | 6'-8" | 6'-8" | 8'-0" | 8'-0" | 9'-7" | 9'-11" | 9'-11" |
| DIM "C" | 7'-0" | 7'-0" | 7'-2" | 7'-2" | 7'-2" | 8'-0" | 8'-0" | 8'-7" | 8'-7" | 10'-0 1/2" | 10'-5" |
| DIM "D" | 3'-7" | 4'-8" | 4'-2" | 4'-3" | 4'-7" | 5'-6 1/2" | 5'-1" | 6'-8" | 7'-4 1/2" | 7'-1" | 8'-0" |
| WATER DEPTH DIM "E" | 3'-3" | 4'-4" | 3'-10" | 3'-11" | 3'-9 1/2" | 4'-9" | 4'-8" | 6'-3" | 6'-1" | 5'-8" | 6'-7" |

NOTE:

1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH F'c = 4500 PSI
2. REBAR: ASTM A-615 GRADE 60
3. MESH: ASTM A-185 GRADE 65
4. DESIGN: ACI-318-02 BUILDING CODE, ASTM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES"
5. LOADS: H-20 TRUCK WHEEL WITH 30% IMPACT PER AASHTO
6. FILL WITH CLEAN WATER PRIOR TO START-UP OF SYSTEM
7. CONTRACTOR TO SUPPLY AND INSTALL ALL PIPING AND SAMPLING TEES
8. GRAY WATER ONLY, BLACK WATER SHALL BE CARRIED BY SEPARATE SIDE SEWER
9. FOR MASSACHUSETTS PROJECTS THE PIPES FROM BUILDING TO GREASE TRAP AND FROM GREASE TRAP TO NEXT DOWNSTREAM STRUCTURE MUST BE CAST IRON AND IN ACCORDANCE WITH 28CMR.

GREASE INTERCEPTOR
NOT TO SCALE

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

Boston • Providence • Newport

AUDIE D. OSGOOD
REGISTERED PROFESSIONAL ENGINEER CIVIL

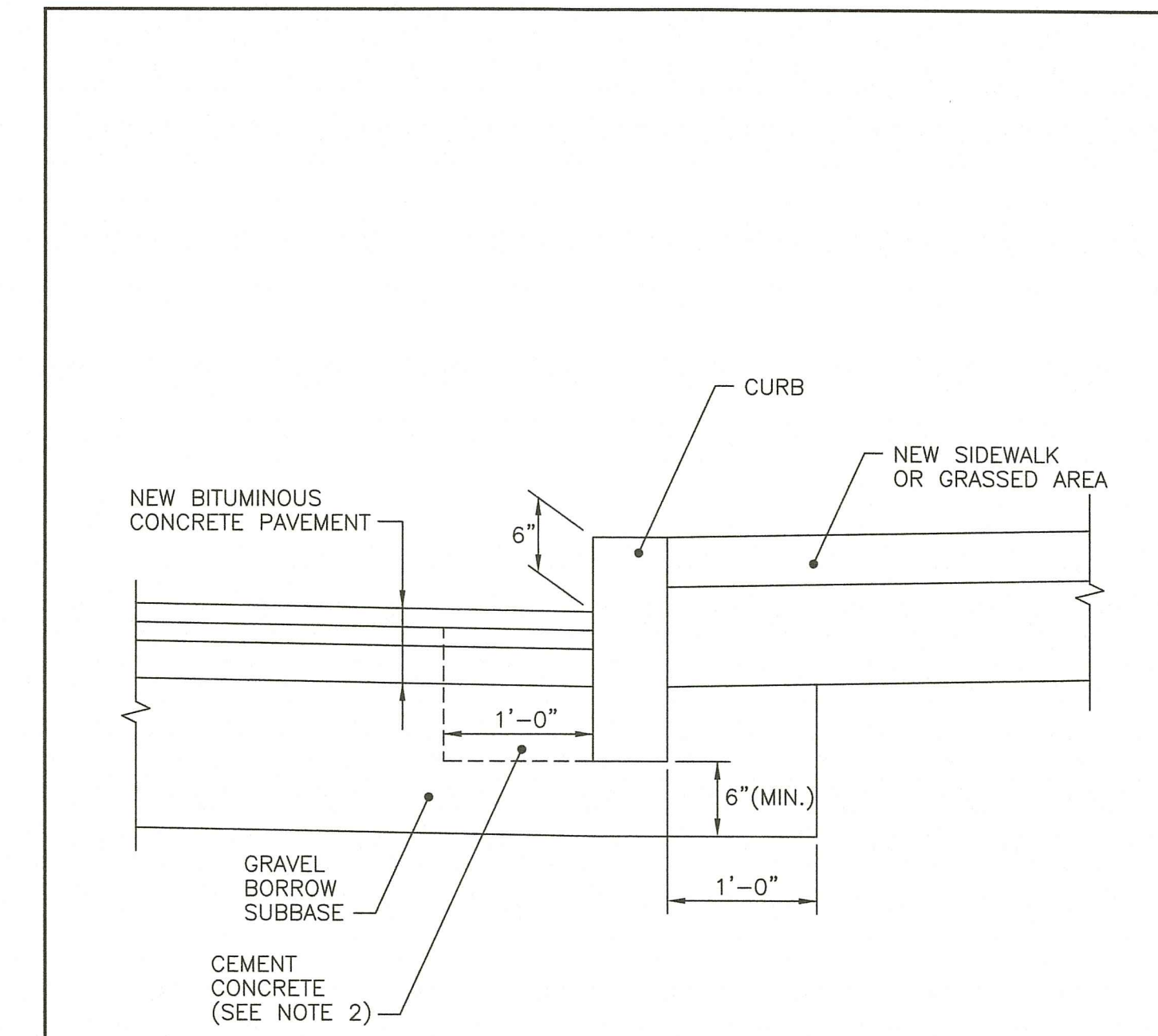
THE PLAN SET IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
REVISIONS: ONLY REVISIONS IN THIS PLAN SET ARE APPROVED BY THE REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. ANY OTHER REVISIONS WILL BE THE RESPONSIBILITY OF THE USER.
THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEASUREMENTS, SURVEYING, PRELIMINARY INVESTIGATIONS, AND REQUIREMENTS, AND OTHER METHODS, SAFETY PRECAUTIONS, AND PROCEDURES IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. DAMAGES INCURRED DUE TO LOCATIONS OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEE UTILITY NOTES ON SHEET 3.
DESIGN BY: N.D.K.
DRAWN BY: N.D.K.

DETAIL SHEET - 2
SEASONS CORNER MARKET
ASSESSOR'S PLAT 119 LOT 624
TIVERTON, RHODE ISLAND
PREPARED FOR: **COLBEA ENTERPRISES, LLC**
695 GEORGE WASHINGTON HWY, LINCOLN, RI 02865
TEL 401-943-1005 FAX 401-943-5309

Environmental Management
 AUG 22 2023
 Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: OCT 12 2023 FILE #: 23-0100
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Randy Clayton



NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CEMENT CONCRETE SHALL BE USED ONLY WHEN THE CURB IS SET AFTER THE BASE AND/OR BINDER COURSES ARE IN PLACE, OTHERWISE THE CEMENT CONCRETE WILL BE ELIMINATED AND THE GRAVEL BROUGHT UP TO BOTTOM OF THE BASE COURSE.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

| REVISIONS | | |
|-----------|-----|--------|
| NO. | BY | DATE |
| 1 | MLP | Mar 05 |
| | | |
| | | |
| | | |

CURB SETTING DETAIL

James J. Capobianco *Edward P. Palka*
 CHIEF ENGINEER CHIEF DESIGN ENGINEER
 TRANSPORTATION TRANSPORTATION

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.6.0

DiPrete Engineering

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

Boston • Providence • Newport

AUDIE D. OSGOOD

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 COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.
 EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND DAMAGES INCURRED DUE TO LOCATIONS OF EXISTING UTILITIES, SEE UTILITY NOTE ON SHEET 3.

| NO. | DATE | DESCRIPTION | BY: |
|------------|------|----------------------------------|--------|
| 08-12-2023 | | REVISION PER DESK & DOT COMMENTS | B.A.W. |
| | | | |
| | | | |
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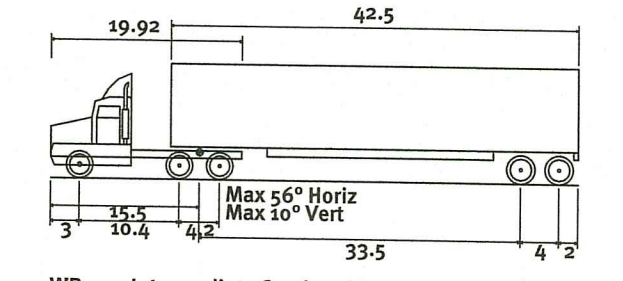
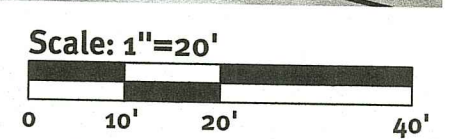
DESIGN BY: N.D.K.
 DRAWN BY: N.D.K.

DETAIL SHEET - 4

SEASONS CORNER MARKET
 ASSESSOR'S PLAT 119 LOT 624
 TIVERTON, RHODE ISLAND

PREPARED FOR:
COLBEA ENTERPRISES, LLC
 605 GEORGE WASHINGTON HWY LINCOLN, RI 02865
 TEL 401-943-1005 FAX 401-943-5309

Z:\DCM\PROJECT\2562-007 MAIN ROAD & SOUZA ROAD\AUTOCAD DRAWINGS\2562-007-E081 DWG PLOTTER: 8/16/2023



| | |
|-----------------------------------|----------|
| WB-50 - Intermediate Semi-Trailer | |
| Overall Length | 55.000ft |
| Overall Width | 8.500ft |
| Overall Body Height | 12.500ft |
| Min Body Ground Clearance | 1.300ft |
| Max Track Width | 8.500ft |
| Lock-to-lock Time | 6.000s |
| Max Steering Angle (Virtual) | 17.50° |

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: OCT 12 2023 FILE #: 23-0100

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
 AUG 22 2023
 Office of Water Resources

Randy Chapman

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

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE ENGINEERING SEAL. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY. DIPRETE ENGINEERING SHALL BE RESPONSIBLE FOR ALL OF THE REVISIONS AND CORRECTIONS TO THE PLANS. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE IN THE IMPLEMENTATION OF THE PLAN AND FOR THE UTILITIES UTILIZED OR ANY ANTI-CORROSION SYSTEMS. ONLY DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE UTILITIES UTILIZED OR ANY ANTI-CORROSION SYSTEMS. SEE UTILITY NOTE ON SHEET 3.

| | | | | |
|-----|------------|------------------------|--------|-------------------|
| NO. | DATE | DESCRIPTION | BY | DESIGN BY: N.D.K. |
| 0 | 08/16/2023 | PRELIMINARY SUBMISSION | N.D.K. | |
| 1 | 08/16/2023 | REVISION | N.D.K. | |

FUEL TANKER (WB-50) - 2

SEASONS CORNER MARKET
 ASSESSOR'S PLAT #19 LOT 024
 TIVERTON, RHODE ISLAND

PREPARED FOR:
 COLBEA ENTERPRISES, LLC
 2050 PLAINFIELD PIKE, CRANSTON, RHODE ISLAND
 02921 TEL. 401-943-1005 FAX 401-943-5309

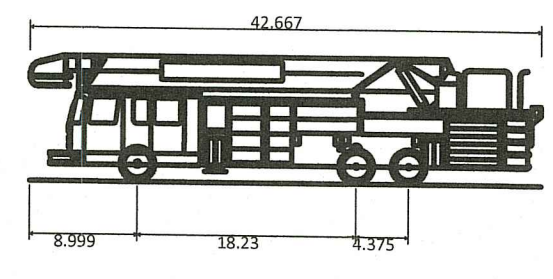
DE. JOHN: 2562-007 COPYRIGHT 2023 BY DIPRETE ENGINEERING ASSOCIATES, INC.

DiPrete Engineering

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

Boston • Providence • Newport

Z:\DEVELOPMENT\PROJECTS\2642-007 MAIN ROAD & SOUZA ROAD\AUTOCAD DRAWINGS\2642-007-EMT-ENG-PLANETS-04/16/2023



Tiverton Ladder RI
Overall Length 42.667ft
Overall Width 8.333ft
Overall Body Height 10.490ft
Min Body Ground Clearance 0.920ft
Track Width 8.333ft
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 32.920ft

Environmental Management
AUG 22 2023
Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 12 2023 FILE #: 23-0100
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Andy Chaput

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'S SEAL AND STAMP.
DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY.
THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE FIELD WORK AND COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND ONLY DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE FIELD WORK.
SEE UTILITY NOTES ON SHEET 23-0100-01 FOR EXISTING UTILITIES.

8/16/2023
DATE: 8/16/2023
ISSUED: 8/16/2023
DESCRIPTION: TIVERTON FIRE TRUCK TURN
DRAWN BY: N.D.K.
DESIGN BY: N.D.K.

TIVERTON FIRE TRUCK TURN
SEASONS CORNER MARKET
ASSESSOR'S PLAT 19 LOT 424
TIVERTON, RHODE ISLAND
PREPARED FOR:
COLBEA ENTERPRISES, LLC
2030 WENFIELD AVENUE, SUITE 100
02921 TEL: 401-943-1005 FAX: 401-943-5309
DIPRETE ENGINEERING ASSOCIATES, INC.
100 STATE STREET, SUITE 200
PROVIDENCE, RHODE ISLAND 02902
TEL: 401-845-8800 FAX: 401-845-8801
WWW.DIPRETE-ENG.COM

Diprete Engineering
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