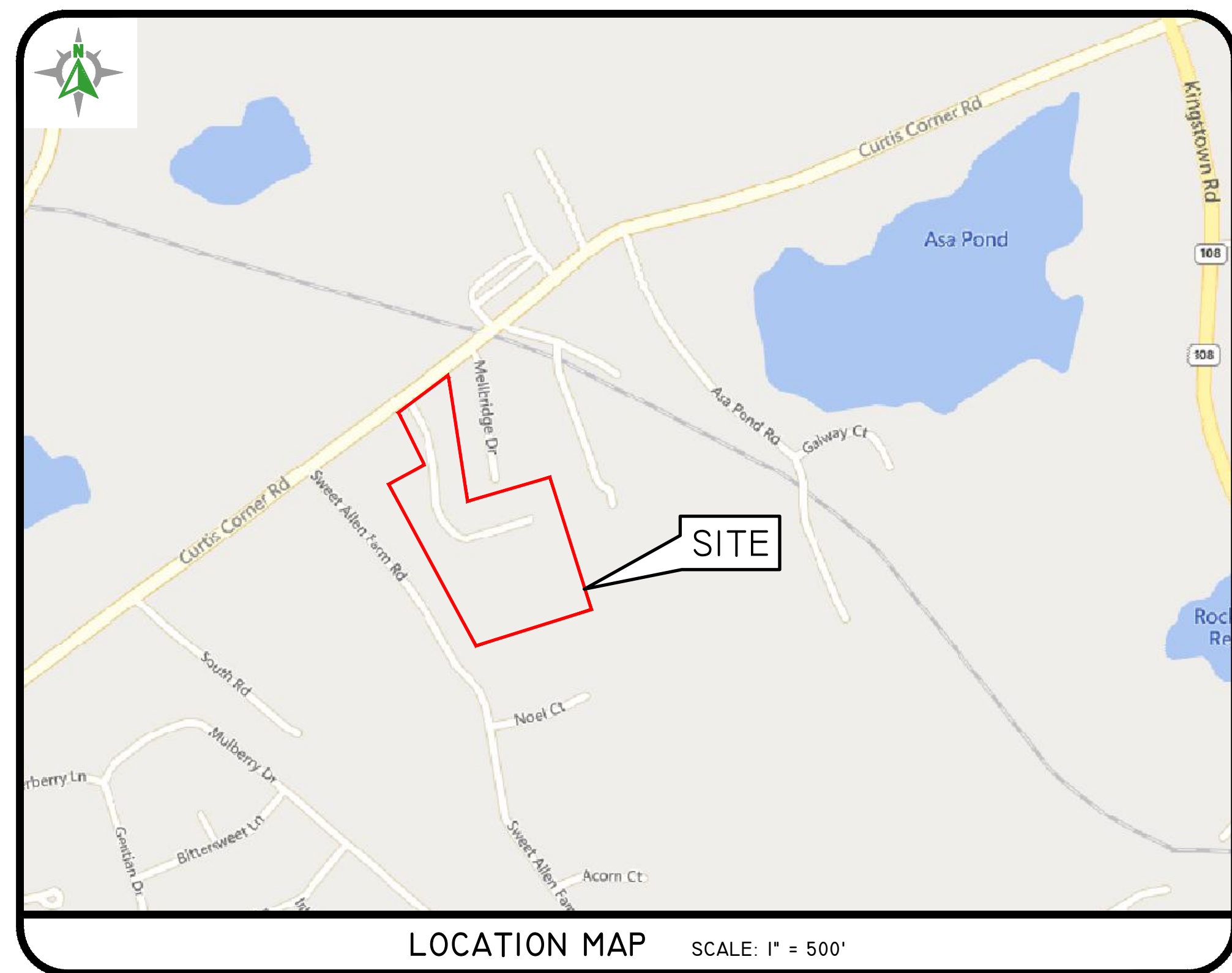


PERMITTING SUBMISSION

CHAMPAGNE HEIGHTS

SOUTH KINGSTOWN, RHODE ISLAND

ASSESSOR'S PLAT 48-1 LOT 8



SHEET INDEX

- 1 Cover Sheet
- 2 Aerial Half-Mile Radius & USGS Map
- 3 Notes & Legend
- 4 Existing Conditions Plan
- 5 Soil Erosion & Sediment Control Plan
- 6 Site Layout Plan
- 7 Grading Plan
- 8 Utilities Plan
- 9 Plan & Profile - Road A - 1
- 10 Plan & Profile - Road A - 2
- 11 Plan & Profile - Road B
- 12 Underground Infiltration Systems A & B
- 13 Underground Infiltration Systems C & D
- 14 Underground Infiltration Systems E & F
- 15 Detail Sheet - 1
- 16 Detail Sheet - 2

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
 Engineers - Planners - Surveyors
 www.diprete-eng.com
 Two Stafford Court, Cranston, RI 02920 • Tel 401-943-1000

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



THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES WITHOUT THE WRITTEN PERMISSION OF DIPRETE ENGINEERING. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS PLAN SET. THE USER OF THIS PLAN SET ASSUMES ALL LIABILITY FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION PROVIDED HEREIN. EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF ANY UTILITIES SHOWN ON THIS PLAN. SEE UTILITY NOTES ON SHEET 3.

NO.	DATE	DESCRIPTION	DESIGNED BY	DRAWN BY
01/17/2024		PERMITTING SUBMISSION	J.A.R.	N.M.P.

COVER SHEET
 CHAMPAGNE HEIGHTS
 ASSESSOR'S PLAT 48-1 LOT 8
 SOUTH KINGSTOWN, RHODE ISLAND
 ZONED: GT-GOVERNMENT AND INSTITUTIONAL
 PREPARED FOR:
 SKHA SERVICES & DEVELOPMENT CORPORATION
 364 CURTIS CORNER ROAD
 WAKEFIELD, RHODE ISLAND 02879

Z:\DEPT\PROJECTS\1983-001 CURTIS CORNER ROAD 364\AUTOCAD DRAWINGS\1983-001 CVAR.DWG PLOTTED: 10/17/2024

GENERAL NOTES:

- 1. THE SITE IS LOCATED ON THE TOWN OF SOUTH KINGSTOWN ASSESSOR'S PLAT 48-1 LOT 8.
2. THE SITE IS APPROXIMATELY 10.5± ACRES AND IS ZONED G-GOVERNMENT AND INSTITUTIONAL.
3. THE OWNER OF AP 48-1 LOT 8 IS: HOUSING AUTHORITY OF TOWN OF SOUTH KINGSTOWN
364 CURTIS CORNER RD
SOUTH KINGSTOWN, RI 02879-2136
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 4409C0184K, MAP REVISED APRIL 3, 2020. (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 LINES AS SHOWN ON THE ENGINEERING PLAN SET DEPICTS THE RESULTS OF A CLASS 1 BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY DIPRETE ENGINEERING. THIS PLAN IS NOT TO BE CONSTRUED AS A CLASS 1 BOUNDARY RETRACEMENT SURVEY PLAN AND IS NOT SUITABLE FOR RECORDING AS A CLASS 1 STANDARD SURVEY PLAN.
6. CONTOUR DATA SHOWN ON THIS PLAN CONFORMS TO A 1-2 TOPOGRAPHICAL SURVEY STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS; SAID DATA IS BASED ON FIELD SURVEY 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 SOUTH KINGSTOWN 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 CEOR 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:
GROUNDWATER PROTECTION AREA (RIDEM)
NATURAL HERITAGE AREA (RIDEM)
FUTURE SEWER SERVICE AREA (TOWN)
VEOLIA WATER (TOWN)
9. THE SITE IS LOCATED WITHIN THE FRESHWATER WETLAND BUFFER RIVER PROTECTION REGION 2 PER THE FRESHWATER WETLANDS BUFFER REGIONS MAPS (250-RICR-150-3-24).
10. 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 (OSM). THE OSM CONTAINS:
• LONG TERM MAINTENANCE
• LONG TERM POLLUTION PREVENTION
11. 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.PHTX.
12. THE SITE IS TO BE SERVICED BY PUBLIC WATER AND PUBLIC SEWER.
13. THE DRAINAGE SYSTEM WILL MEET THE TOWN OF SOUTH KINGSTOWN SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS, CULVERTS, AND UNDERGROUND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM WILL MEET THE RIDOT BEST MANAGEMENT PRACTICES.
14. THE SITE IS PROPOSED TO BE BUILT IN MULTIPLE PHASES AND HOMES ARE PROPOSED TO BE A MIX OF 2, 3, 4, AND 5 BEDROOM UNITS.
15. 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 CEOR FOR CONSIDERATION, WHICH MUST BE ACCOMPANIED BY A COMPLETED SUBSTITUTION REQUEST (CS) FORM (3.14 APRIL 2022 VERSION MODIFIED BY DIPRETE ENGINEERING 2023) - FORM AVAILABLE FROM DIPRETE ENGINEERING. SUBMISSION PACKAGE MUST INCLUDE 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 CEOR.
16. THIS PLAN SET MAY REFERENCE AND/OR INCLUDE REPRODUCTIONS OF PROPRIETARY PRODUCTS/ DETAILS BY OTHERS, AND/OR THEIR ASSOCIATED SPECIFICATIONS; ANY REFERENCED OR REPRODUCED PROPRIETARY PRODUCT OR DETAIL BY OTHERS THAT IS SHOWN ON CEOR 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.
17. THERE ARE NO UNIQUE NATURAL FEATURES PRESENT ON THE SITE.
18. THERE ARE NO SPECIMEN TREES IN THE AREA OF PROPOSED DEVELOPMENT.
19. THERE ARE NO AREAS WITHIN A TMDL WATERSHED.
20. THE SITE IS NOT WITHIN AN OWTS CRITICAL RESOURCE AREA.
21. NEITHER THE SITE NOT THE BUILDINGS ARE LISTED ON NATIONAL REGISTER OF HISTORIC PLACES.
22. THE SITE IS NOT WITHIN DRINKING WATER SUPPLY WATERSHED.
23. BORINGS AND BORING LOGS, TEST PITS, SOIL EVALUATIONS, WERE COMPLETED BY DIPRETE ENGINEERING ON 11-08-2023 AND 07-23-2024.

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 columns: SOIL NAME DESCRIPTION, BMA*, BMB**, BNC, CB*, CH, NAA*, NNB, and NOTE. Includes soil types like BRIDGEHAMPTON SILT LOAM and NARRAGANSETT SILT LOAM.

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 CEOR, 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. 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 THE CEOR 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 TRAPS ARE NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE TEMPORARY SEDIMENT TRAPS 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 THE CEOR AND OWNER.
8. IF CONCRETE TRUCKS ARE WASHED OUT ON SITE, ALL WASHOUT MUST BE PERFORMED IN THE DESIGNATED CONCRETE WASHOUT AREA.
9. SLOPES STEEPER THAN 3:1 REQUIRE TEMPORARY EROSION CONTROL BLANKETS, EROSION CONTROL BLANKETS TO BE NORTH AMERICAN GREEN OR APPROVED EQUIV AND INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
10. AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO DEMOBILIZATION, CONTRACTOR MUST FLUSH AND CLEAN THE ENTIRE DRAINAGE NETWORK, ALL STRUCTURES AT DOWNSTREAM CONNECTION POINTS, WATER QUALITY SYSTEMS, DETENTION/INFILTRATION BASINS, SWALES, ISOLATOR ROWS, ETC. CLEANING MUST INCLUDE REMOVAL OF ALL SEDIMENTS AND DEBRIS FROM PIPES AND ALL DRAINAGE COMPONENTS. WASTE MATERIAL MUST BE LEGALLY DISPOSED OF OFF SITE, WHERE APPLICABLE ALL PROPRIETARY UNITS/ISOLATOR ROWS, ETC. CLEANING TO BE DONE IN ACCORDANCE WITH ALL MANUFACTURER REQUIREMENTS.

SOIL EROSION AND SEDIMENT CONTROL PHASING NOTES:

- 1. OVERALL SITE CONSTRUCTION PHASING TO BE BASED PER POND COMPLEX/ SEDIMENT TRAP/ BASIN CONTRIBUTING CATCHMENT, UNLESS OTHERWISE APPROVED IN WRITING BY THE CEOR.
2. SEDIMENT EROSION CONTROL PHASING TO MINIMIZE DISTURBANCE TO THE MAXIMUM EXTENT PRACTICABLE.
3. ANY AREAS THAT ARE CLEARED AND GRUBBED THAT ARE EITHER A) NOT TRIBUTARY TO A SEDIMENT TRAP OR BASIN, OR B) ARE NOT INTENDED FOR IMMEDIATE DEVELOPMENT/ EARTHWORKING, MUST BE STABILIZED IMMEDIATELY INCLUDING (BUT NOT LIMITED TO) SLOPE INTERRUPTORS, HYDROSEED BONDED FIBER MATRIX (BFM), EROSION CONTROL MULCH (ECM), OR FLEXIBLE GROWTH MEDIA (FGM) BEST SUITED TO THE INSITU SOIL PARAMETERS AS ASSESSED BY THE GEOTECHNICAL ENGINEER.

DEMOLITION NOTES:

- 1. CONTRACTOR MUST NOTIFY "DIG SAFE" AT 811 (OR 1-888-344-7233) A MINIMUM OF 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR MUST OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR MUST PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCES DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE SEDIMENTS ON EXTERNAL STREETS.
4. ANY EXISTING BUILDING(S) AND PROPERTY PROPOSED TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (RSD) ALL MATERIALS INDICATED ON THE PLANS UNLESS SPECIFIED OTHERWISE HEREIN. RSD MATERIALS INCLUDE BUT ARE NOT LIMITED TO PAVEMENT, GRAVEL, CATCH BASINS, MANHOLES, GRATES/FRAMES/COVERS, AND ANY EXCESS SOIL THAT IS NOT INCORPORATED INTO THE WORK.
6. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, ALL DISTURBED AREAS INCLUDING THE CONTRACTOR'S STOCKPILE AND STAGING AREAS WITHIN THE LIMIT OF WORK MUST BE RESTORED TO MATCH THE DESIGN PLANS.
7. CONTRACTOR MUST DOCUMENT LOCATION OF ALL SUBSURFACE UTILITIES REMAINING IN PLACE AFTER DEMOLITION (ACTIVE AND INACTIVE/ABANDONED). LOCATION MUST BE DOCUMENTED BY FIELD SURVEY OR SWING TIES. COPIES OF LOCATION DOCUMENTATION MUST BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF DEMOLITION AND PRIOR TO START OF NEW CONSTRUCTION. A MARKER MUST BE INSTALLED TO FINISH GROUND AT ALL INSTALLED CAPS/PLUGS. THE MARKER CAN BE A POST IN CONSTRUCTION AREAS OR PAINTED ON A PERMANENT SURFACE.
8. 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.
9. CONTRACTOR MUST COORDINATE THE CUTTING AND CAPPING OF ALL UTILITIES WITH THE OWNER, THE MUNICIPALITY, AND ALL APPLICABLE UTILITY ENTITIES HAVING JURISDICTION.
10. 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 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 VEHICLES 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:

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 ENGINEERING WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.

UIC NOTES:

- PROPOSED UNDERGROUND DRAINAGE SYSTEM MEETS ALL THE FOLLOWING UIC MINIMUM SETBACK REQUIREMENTS:
1. 400 FT FROM ALL PUBLIC WATER WELLS (SAND AND GRAVEL)
2. 200 FT FROM ALL PUBLIC WATER WELLS (BEDROCK)
3. 200 FT FROM ALL SURFACE DRINKING WATER SUPPLY IMPOUNDMENTS
4. 100 FT FROM ALL PRIVATE DRINKING WATER WELLS
5. 100 FT FROM ALL OTHER SURFACE WATERS
6. 25 FT FROM ALL BUILDING FOUNDATIONS IF SYSTEM IS ABOVE SLAB ELEVATION. 10 FEET FROM ALL BUILDINGS IF SYSTEM IS BELOW SLAB ELEVATION
7. 10 FT FROM ALL PROPERTY LINES
9. 10 FT FROM ALL BUILDING FOOTINGS

GRADING, DRAINAGE, AND UTILITY NOTES:

- 1. CONSTRUCTION TO COMMENCE SPRING 2025 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 SERVICES 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 FACILITIES. CONTRACTOR MUST NOTIFY THE CEOR 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 THE 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 OPTION OF THE PROJECT. DIPRETE ENGINEERING IS NOT PROVIDING THE FINAL SPECIFICATIONAL 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 LOAM IN DISTURBED AREAS MUST BE STOCKPILED FOR FUTURE USE.
10. ALL EXCESS SOIL, TREES, ROCKS, BouldERS, 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.
11. THE SITE WILL HAVE 3" BITUMINOUS BERM. SITE GRADING/CONTOURS SHOWN ON THE PLANS DO NOT MANUFACTURER RECOMMENDATIONS. CONTRACTOR MUST INSTALL CURBING WITH APPROPRIATE REVEAL. UNLESS OTHERWISE NOTED.
12. NO STUMP DUMPS ARE ALLOWED ON SITE.
13. ALL DRAINAGE OUTFALLS ARE DESIGNED TO BE INSTALLED AT EXISTING GROUND ELEVATION. CONTRACTOR MUST IMMEDIATELY NOTIFY THE CEOR 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 THE CEOR, IS DONE AT THE CONTRACTOR'S RISK.
14. CONTRACTOR MUST PROVIDE SUE 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 MUST BE SET AT BINDER GRADE AND RAISED TO FINAL PAVEMENT GRADE PRIOR TO PLACEMENT OF SURFACE COURSE.
16. ALL RESIDENTIAL BUILDING SLABS (BASEMENT AND/OR SLAB ON GRADE), REGARDLESS OF FINISH FLOOR ELEVATIONS SHOWN ON PLANS, MUST HAVE A MINIMUM OF 12" OF SEPARATION TO THE SEASONAL HIGH GROUNDWATER TABLE.
17. CONTRACTOR MUST HOLD/ SUPPORT/ RESTORE ALL EXISTING UTILITY COMPONENTS INCLUDING (BUT NOT LIMITED TO) POLES, MAST ARMS AND ABOVEGROUND OBJECTS AS NECESSARY DURING THE PROPOSED WORKS AND ELECTRICAL INSTALLATION. CONTRACTOR MUST COORDINATE SAID WORKS WITH ALL ASSOCIATED UTILITY OWNERS ACCORDINGLY. ANY EXISTING ITEMS DAMAGED OR REMOVED AS INCIDENTAL DURING UTILITY CONNECTIONS/ ELECTRICAL INSTALLATION INCLUDING (BUT NOT LIMITED TO) CURB IN THE ROW MUST BE REPLACED IN KIND FOLLOWING COMPLETION OF WORKS.

DRAINAGE

ALL DRAINAGE PIPING MUST BE HIGH-DENSITY POLYETHYLENE (HDPE), OR EQUAL, 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 DO NOT REQUIRE BRICK INVERT AS SHOWN IN DOT DETAILS.

- DRAINAGE STRUCTURES MUST AS BE FOLLOWS (UNLESS OTHERWISE NOTED ON PLANS):
• CATCH BASINS NOT ALONG CURBING: RIDOT STD 4.4.0, 4" DIAMETER
• CATCH BASINS MUST HAVE 3" FT SLOPES WITHOUT SLEEP HOLES
• SINGLE FRAME CATCH BASIN GRATES: RIDOT STD 6.3.2
• DOUBLE FRAME CATCH BASIN GRATES: RIDOT STD 6.3.2
• DRAINAGE MANHOLE COVERS: RIDOT STD 6.2.1
• APRON STONE, WHERE REQUIRED: RIDOT STD 7.1.7 OR 7.1.8
• MANHOLES: RIDOT STD 4.2.0, 4.2.1 OR 4.2.2 AS REQUIRED. SEE NOTES BELOW FOR COVER TYPE SELECTION.
• ALL OUTLET CONTROL STRUCTURES (OCS) AND DRAINAGE MANHOLES WITH INTERNAL WEIRS MUST USE FLAT TOP STRUCTURE COVER.
• FOR ALL OTHER DRAINAGE STRUCTURES: IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE METHOD OF COVER TO BE USED. THE COVER TO BE USED MUST BE IN ACCORDANCE WITH THE DESIGN PARAMETERS AS SHOWN ON THESE PLANS, INCLUDING (BUT NOT LIMITED TO) THE RELATIONSHIP BETWEEN FINISH SURFACE ELEVATION/ DEPTH TO PIPE INVERTS AND MEETING MANUFACTURER/ AHJ REQUIREMENTS & SPECIFICATIONS.

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 DURING CONSTRUCTION. ALL FITTINGS AND PIPE SLOPES THAT TIE 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 TOWN OF SOUTH KINGSTOWN WASTEWATER DIVISION 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 FITTINGS, STRUCTURE SEALS AND CONNECTIONS MUST BE WATERTIGHT.

WATER

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

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

ELECTRIC/TELECOM/GAS

PROPOSED GAS, ELECTRIC, CABLE AND DATA UTILITIES ARE SHOWN SCHEMATICALLY AND ARE PROPOSED TO BE UNDERGROUND. OWNER 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 WELL AS LOCAL AND FEDERAL REGULATIONS. THIS INCLUDES BUT IS NOT LIMITED TO POLES, TRANSFORMERS, PULL BOXES, CONCRETE PADS, CONCRETE ENCLOSURES 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 RI ENERGY PRIOR TO CONSTRUCTION.

SITE LIGHTING

TEMPORARY 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 CAREFULLY DETERMINED AND MUST BE FIELD LOCATED WITHIN THE STREET RIGHT-OF-WAY. FINAL LIGHTING AND CONDUIT LOCATIONS BY OTHERS.

ABBREVIATIONS LEGEND

Table listing abbreviations and their meanings: ADA AMERICANS WITH DISABILITY ACT, AHJ AUTHORITY HAVING JURISDICTION, AP ASSESSOR'S PLAT, ARCH ARCHITECT, BC BOTTOM OF CURB, BT BOTTOM OF TESTHOLE, BIT BITUMINOUS (BERM), BIO BIORETENTION, BS BASEMENT SLAB ELEVATION, BW FINISHED GRADE AT BOTTOM OF WALL, CB CATCH BASIN, (C) CALCULATED, CENTERLINE, CHORD ANGLE, CEOR CIVIL ENGINEER OF RECORD, DIPRETE ENGINEERING UNLESS DESIGNATED OTHERWISE BY OWNER, CLDIP CONCRETE LINED DUCTILE IRON PIPE, CO CLEAN OUT, CONC CONCRETE, (D) DEED, DCB DOUBLE CATCH BASIN, DI DROP INLET, DMH DRAINAGE MANHOLE, DP DETENTION POND, ELEV ELEVATION, EOP EDGE OF PAVEMENT, ESC EROSION AND SEDIMENT CONTROL, EX EXISTING, FES 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 LINEAR 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, PR PROPOSED, PVC POLYVINYL CHLORIDE, R RADIUS, RSD REMOVE AND DISPOSE, RCP REINFORCED CONCRETE PIPE, RHIS RHODE ISLAND, RHIB HIGHWAY BOUND, RL RIGHT LEADER, ROW RIGHT-OF-WAY, S SLOPE, SD SUBDRAIN, SED SEDIMENT FOREBAY, SF SQUARE FOOT, SFL STATE FREeway LINE, SPM SEWER FORCE MAIN, SG SEWER ON GRADE ELEVATION, SHL STATE HIGHWAY LINE, SMH SEWER MANHOLE, SNDF SAND FILTER, SS SIDE SLOPE, STA STATION, TC TOP OF CURB, TD TRENCH DRAIN, TF TOP OF FOUNDATION, TRANS TRANSITION, TW TOP OF WALL (FINISHED GRADE AT TOP OF WALL), TYP TYPICAL, UDS UNDERGROUND, DETENTION SYSTEM, UIS UNDERGROUND, INFILTRATION SYSTEM, UP UTILITY POLE, WO WALKOUT ELEVATION, WQ WATER QUALITY

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 BITUMINOUS BERM OR AS LABELED ON THE PLANS.
3. SIDEWALK MUST BE CONCRETE OR AS LABELED ON THE PLANS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL SIGNAGE AND PAVEMENT MARKING REQUIREMENTS OF THE MUTCD AND AUTHORITIES HAVING JURISDICTION, REGARDLESS OF ITEMS SHOWN (BUT NOT SHOWN) ON THIS PLAN SET. THIS INCLUDES (BUT MAY NOT BE LIMITED TO) SIGN TYPE, NUMBER OF SIGNS, POLE/ MOUNTING TYPE, PAVEMENT MARKING LOCATIONS/ TYPE/ WIDTH, MATERIALS, INSTALLATION METHODS, AND ANY ADDITIONAL SIGNS AND/OR MARKINGS THAT MAY BE REQUIRED. THE CONTRACTOR MUST NOTIFY THE CEOR OF ANY MODIFICATIONS OR DISCREPANCIES PRIOR TO ORDERING OR INSTALLING SIGNAGE/ PAVEMENT MARKINGS.
5. 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.
6. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS PERTAINING TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOD PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
7. THE HOUSES SHOWN ARE SCHEMATIC ONLY AND WILL BE DESIGNED PRIOR TO BUILDING PERMIT APPLICATIONS.
8. CONTROL POINTS, PROPOSED BOUNDS, AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION MUST BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
9. CONTRACTOR MUST NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS AND DATA FILES THAT ARE OBTAINED FROM THE CEOR. 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.
10. INFRARED TREATMENT OF PAVEMENT IS REQUIRED AT ALL CURB CUTS, AT ANY DISTURBED PAVEMENT ON ROADWAYS, AND WHERE ANY NEW PAVEMENT MEETS EXISTING PAVEMENT.
11. ALL EXISTING PAVEMENT MARKING REMOVED AS INCIDENTAL DURING CONSTRUCTION MUST BE REPLACED IN-KIND FOLLOWING COMPLETION OF CONSTRUCTION UNLESS OTHERWISE NOTED.
12. PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

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). THE CEOR 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). THE CEOR GENERALLY RECOMMENDS A MAXIMUM OF 1.4% (0.014 FT/FT) BE USED FOR BOTH RUNNING AND CROSS SLOPES IN ORDER TO COMPLY.
5. FOR EVERY 6 (OR FRACTION OF 6) ADA PARKING SPACES, AT LEAST ONE MUST BE A VAN PARKING SPACE. FOR EXAMPLE, IF 7 ADA PARKING SPACES ARE REQUIRED, A MINIMUM OF 2 MUST BE VAN SPACES.
6. NOTWITHSTANDING THE NOTES LISTED ABOVE, TOWN OR STATE-SPECIFIC STANDARDS MAY BE MORE STRINGENT AND OVERRULE. IT IS THE RESPONSIBILITY OF THE USER OF THIS PLAN SET TO MAINTAIN COMPLIANCE WITH THE CONTROLLING STANDARD.
7. NOTE THAT THE GRADING/PLAN VIEWS AND DETAILS CONTAINED WITHIN THIS PLAN SET MAY NOT SHOW THE DETAIL NECESSARY TO CONSTRUCT WALKWAYS, RAMPS AND SPACES TO COMPLY WITH THE ABOVE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE 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 CEOR BEFORE CONSTRUCTION FOR ADVICE IN FINDING A RESOLUTION.

EXISTING LEGEND

Table showing existing features and their symbols: PROPERTY LINE, ASSESSORS LINE, BUILDING, BRUSHLINE, 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, 25' BUFFER, 50' BUFFER, 75' BUFFER, 100' BUFFER, 150' BUFFER, 200' BUFFER, FEMTA BOUNDARY, STREAM, UNDERGROUND, WETLAND LINE & FLAG, STATE HIGHWAY LINE, STATE FREEWAY LINE, 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, SLOPES STEEPER THAN 3:1 (2:1 OR 1:1 SLOPES), UNDERGROUND INFILTRATION OUTLINE, POND ACCESS, RIPRAP, SAND FILTER, CATCH BASIN, DRAINAGE MANHOLE, FLARED END SECTION, HEADWALL, SEWER MANHOLE, DOUBLE LIGHT, OVERHANGING LIGHT

PROPOSED LEGEND

Table showing proposed features and their symbols: PROPERTY LINE, BUILDING SETBACKS, CHAINLINK FENCE, GUARDRAIL, RETAINING WALL, MINOR CONTOUR LINE, MAJOR CONTOUR LINE, SPOT ELEVATION, EDGE OF PAVEMENT, BITUMINOUS BERM, CONCRETE CURB (RIDOT STD 7.1.0), MONOLITHIC CONCRETE CURB AND SIDEWALK, BUILDING FOOTPRINT, BUILDING OVERHANG, ASPHALT PAVEMENT, HEAVY DUTY ASPHALT PAVEMENT, HEAVY DUTY CONCRETE, MILL AND OVERLAY, CONCRETE, ASPHALT SIDEWALK, SAWCUT LINE, SIGN (RIDOT STD 24.6.2 AS APPLICABLE), ACCESSIBLE PARKING SPACE SYMBOLS, BUILDING INGRESS/EGRESS, PARKING COUNT, 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, SLOPES STEEPER THAN 3:1 (2:1 OR 1:1 SLOPES), UNDERGROUND INFILTRATION OUTLINE, POND ACCESS, RIPRAP, SAND FILTER, CATCH BASIN, DRAINAGE MANHOLE, FLARED END SECTION, HEADWALL, SEWER MANHOLE, DOUBLE LIGHT, OVERHANGING LIGHT

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, 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, DEPICED 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.

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 CONSTRUED 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 TO THE FINE GRADING, CONSTRUCTION, SURFACE CONDITIONS, SURFACE CONDITIONS, WATER MITIGATION, SOIL STABILITY AND CONSISTENCY, END USER NEEDS, CONSTRUCTION, CONTRACTABILITY ISSUES, ETC. ANY USER OF THESE PLANS SHOULD UNDERSTAND THIS LIMITATION.

Diprete Engineering logo and contact information: Engineers - Planners - Surveyors, www.diprete-eng.com, Two Stafford Court, Cranston, RI 02990, Tel: 401-943-4000

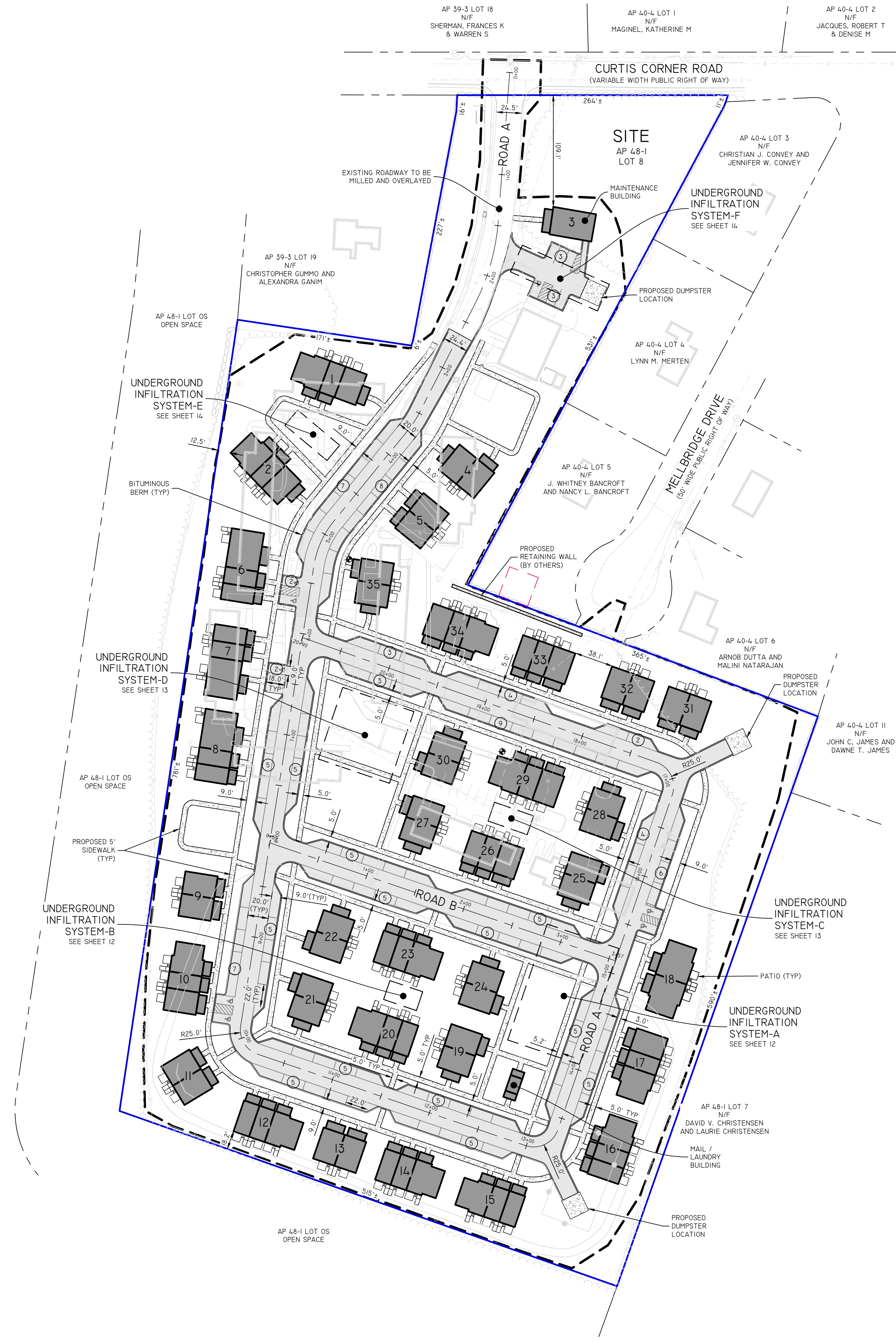
Professional Engineer stamp for Molly R. Titus, Registered Professional Engineer in Civil, No. 00129922

Disclaimer text: THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES... DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED...

Revision table with columns: NO., DATE, DESCRIPTION, DESIGN BY, CHECKED BY, DRAWN BY, J.A.R.

NOTES & LEGEND, CHAMPAGNE HEIGHTS, SOUTH KINGSTOWN, RHODE ISLAND, ZONED: G-GOVERNMENT AND INSTITUTIONAL, SKRA SERVICES & DEVELOPMENT CORPORATION, 364 CURTIS CORNER ROAD, WAKEFIELD, RHODE ISLAND 02879, SHEET 3 OF 16

Z:\DEVELOPMENT\PROJECTS\1983-001 CURTIS CORNER ROAD - 344\AUTOCAD DRAWINGS\1983-001\PLAN.DWG PLOT: 10/17/2024



DIMENSIONAL REGULATIONS:

CURRENT ZONING:	GI-GOVERNMENT AND INSTITUTIONAL
MINIMUM LOT AREA:	REQUIRED 457,918 SF
MINIMUM FRONT YARD:	PROVIDED 109.1'
MINIMUM SIDE YARD:	12.5'
MINIMUM REAR YARD:	18.2'
MAXIMUM STRUCTURE HEIGHT:	2-STORY
MAXIMUM BUILDING COVERAGE:	15.3%
OPEN SPACE:	0 (0%) **

* LANDSCAPE SCREENING REQUIRED - WAIVER REQUESTED.
 ** OPEN SPACE REQUIREMENT - WAIVER REQUESTED

DEVELOPMENT DATA:

TOTAL SITE AREA:	10.5+ ACRES
DEVELOPMENT AREA:	10.5+ ACRES
TOTAL NUMBER OF BUILDINGS:	36 (35 RESIDENTIAL BUILDINGS, 1 MAINTENANCE BUILDING)
TOTAL NUMBER OF UNITS:	85 UNITS
LENGTH OF ROAD A:	2,090'
LENGTH OF ROAD B:	357'
PAVEMENT WIDTH:	20'

PARKING REGULATIONS:

PARKING USE:	MULTI HOUSEHOLD DWELLING
PARKING REQUIREMENT:	2 SPACES PER UNIT*
STATE STATUTE:	1 SPACE PER 2-BEDROOM UNIT 2 SPACES PER 3-BEDROOM UNIT
TOTAL 2-BEDROOM UNITS:	29
TOTAL 3-BEDROOM UNITS:	56
TOTAL:	85 UNITS
REQUIRED PARKING CALCULATIONS:	85 x 2 = 170 SPACES REQUIRED
REQUIRED PARKING CALCULATIONS (STATE STATUTE):	29 x 1 = 29 56 x 2 = 112 TOTAL = 141 SPACES REQUIRED
TOTAL PARKING SPACES PROVIDED:	128 SPACES
ADA PARKING REQUIREMENT:	5 SPACES
ADA PARKING INCLUDED IN TOTAL SPACES:	9 SPACES

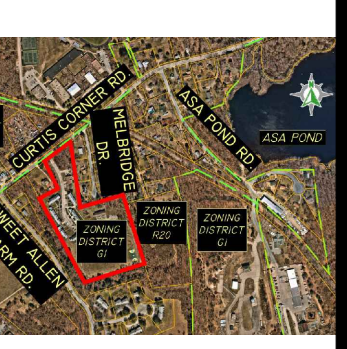
* WAIVER REQUESTED FOR PARKING REQUIREMENT TO BE 1.5 SPACES PER UNIT.



Diprete Engineering
 Engineers - Planners - Surveyors
 www.diprete-eng.com



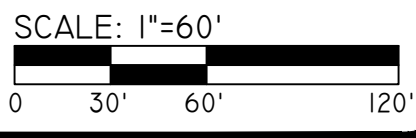
MOLLY R. TITUS
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER CIVIL



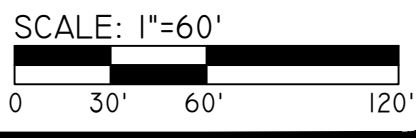
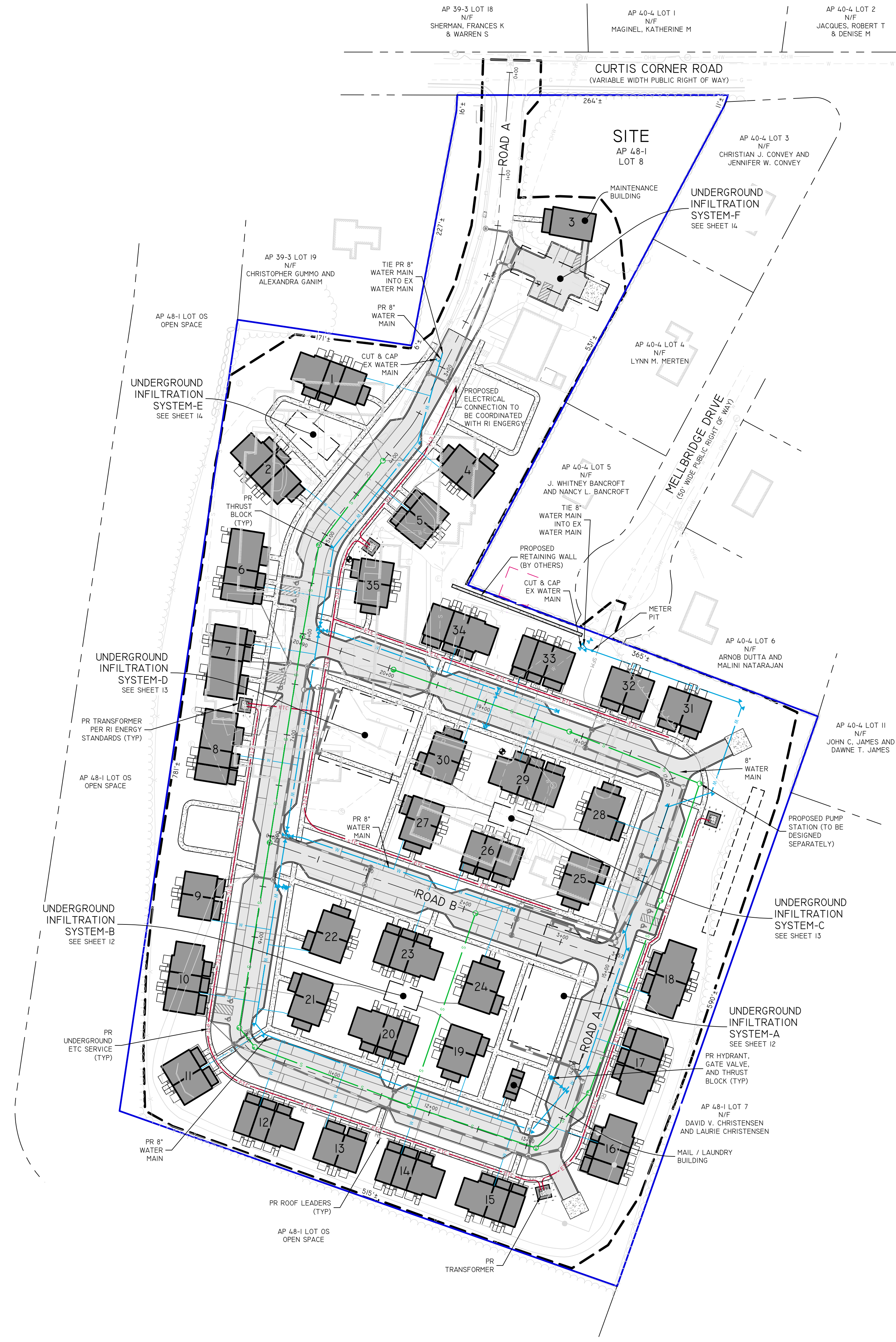
THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF DIPRETE ENGINEERING, INC. AND IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THE USER OF THIS PLAN SET AGREES TO HOLD DIPRETE ENGINEERING, INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS PLAN SET. SEE 'UTILITY NOTE' ON SHEET 3.

NO.	DATE	DESCRIPTION	DESIGNED BY	DRAWN BY
1	05/12/2024	PRELIMINARY SUBMISSION	J.A.R.	N.M.P.
2				

SITE LAYOUT PLAN
CHAMPAGNE HEIGHTS
 ASSESSORS PLAT 48-1 LOT 8
 SOUTH KINGSTOWN, RHODE ISLAND
 ZONED: GI-GOVERNMENT AND INSTITUTIONAL
 PREPARED FOR:
SKHA SERVICES & DEVELOPMENT CORPORATION
 364 CURTIS CORNER ROAD
 WAKEFIELD, RHODE ISLAND 02879



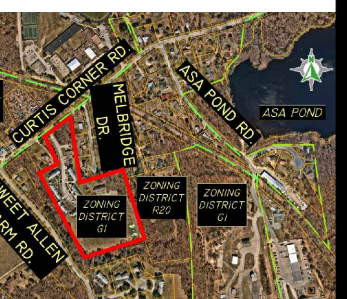
Z:\DEVELOPMENT\PROJECTS\1983-001 CURTIS CORNER ROAD - 344\AUTOCAD DRAWINGS\1983-001\PLAN.DWG PLOTTED: 10/17/2024



UTILITIES PLAN
CHAMPAGNE HEIGHTS
 ASSESSORS PLAT 48-1 LOT 8
 SOUTH KINGSTOWN, RHODE ISLAND
 ZONED: GT-GOVERNMENT AND INSTITUTIONAL
 PREPARED FOR:
SKHA SERVICES & DEVELOPMENT CORPORATION
 364 CURTIS CORNER ROAD
 WAKEFIELD, RHODE ISLAND 02879

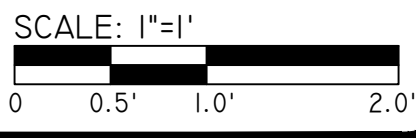
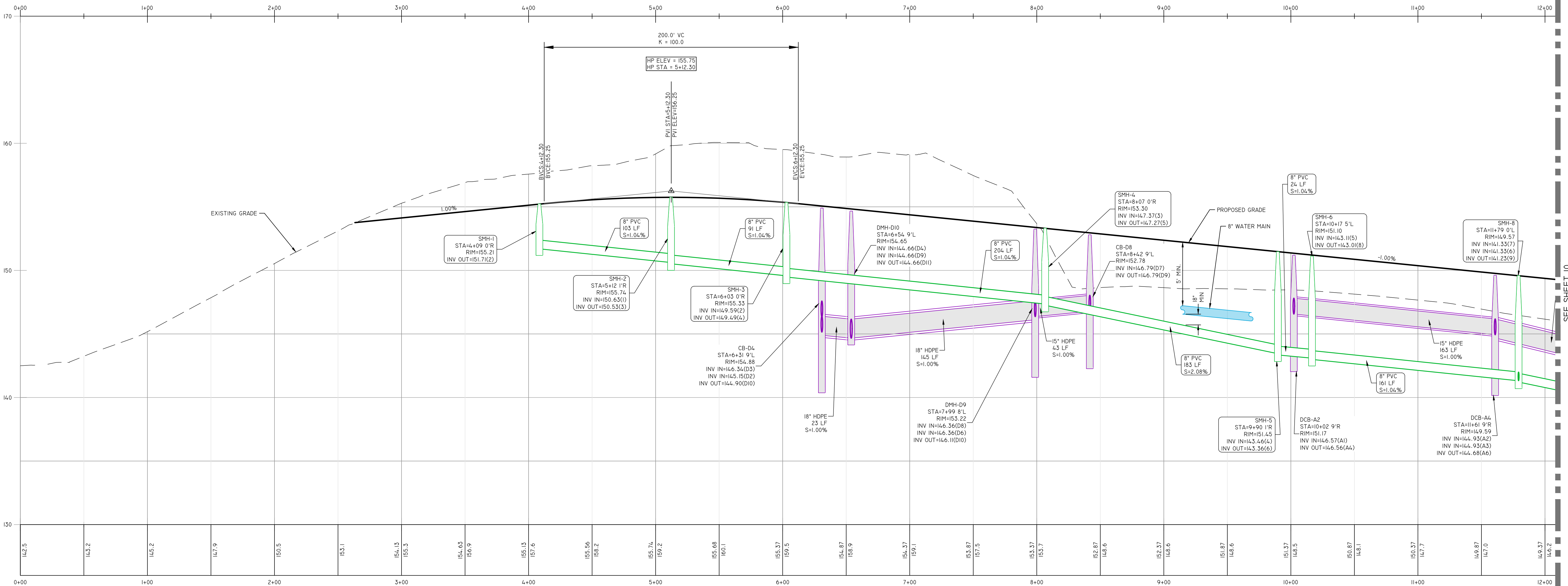
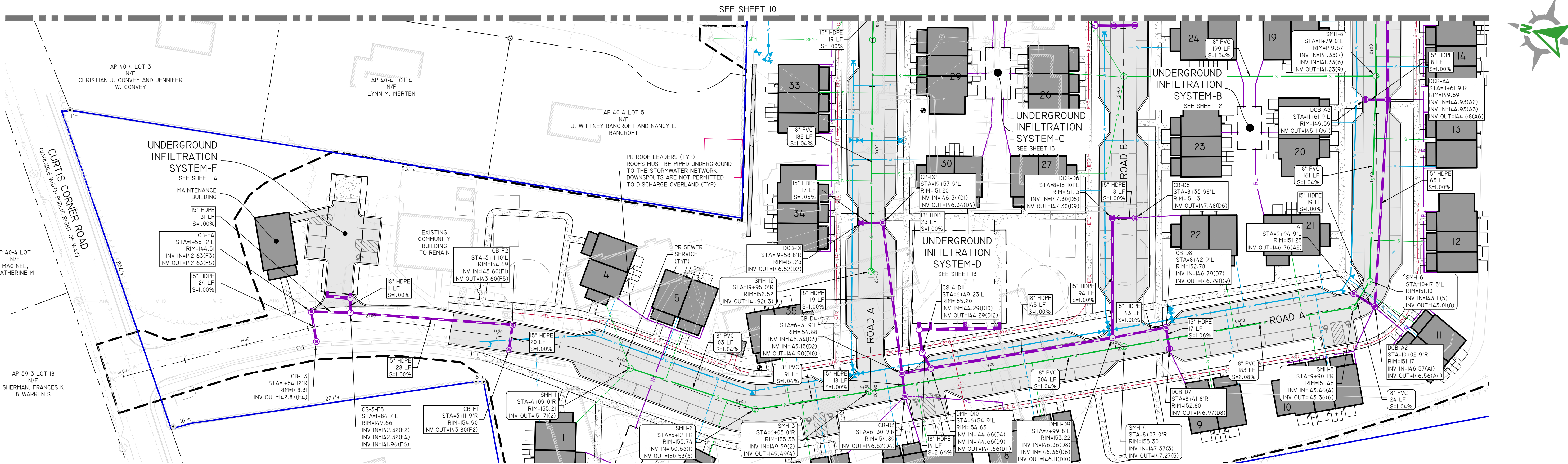
NO.	DATE	REVISION	DESCRIPTION	J.A.R.	B.T.
1	05/12/2024	PRELIMINARY SUBMISSION		J.A.R.	B.T.
DRAWN BY: J.A.R.				DESIGN BY: N.M.P.	

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS APPROVED BY THE TOWN OF SOUTH KINGSTOWN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF ANY UTILITIES SHOWN ON THIS PLAN. THE ENGINEER HAS CONDUCTED VISUAL SURVEYS AND HAS REVIEWED AVAILABLE RECORD DRAWINGS AND UTILITIES RECORDS. THE ENGINEER HAS ASSUMED THAT ALL UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. THE ENGINEER HAS NOT CONDUCTED ANY FIELD SURVEYS TO VERIFY THE LOCATION, DEPTH, OR CHARACTERISTICS OF ANY UTILITIES SHOWN ON THIS PLAN. THE ENGINEER HAS NOT CONDUCTED ANY FIELD SURVEYS TO VERIFY THE LOCATION, DEPTH, OR CHARACTERISTICS OF ANY UTILITIES SHOWN ON THIS PLAN. THE ENGINEER HAS NOT CONDUCTED ANY FIELD SURVEYS TO VERIFY THE LOCATION, DEPTH, OR CHARACTERISTICS OF ANY UTILITIES SHOWN ON THIS PLAN.



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

DiPrete Engineering
 Engineers - Planners - Surveyors
 www.diprete-eng.com
 Two Stafford Court, Cranston, RI 02920 • Tel 401-943-1000



Z:\DWG\PROJECTS\1983-001 CURTIS CORNER ROAD 364\AUTOCAD DRAWINGS\1983-001 PLAN.DWG PLOTTED: 10/17/2024

DiPrete Engineering
 Engineers - Planners - Surveyors
 www.diprete-eng.com
 Two Stafford Court, Cranston, RI 02920 • Tel: 401-943-1000

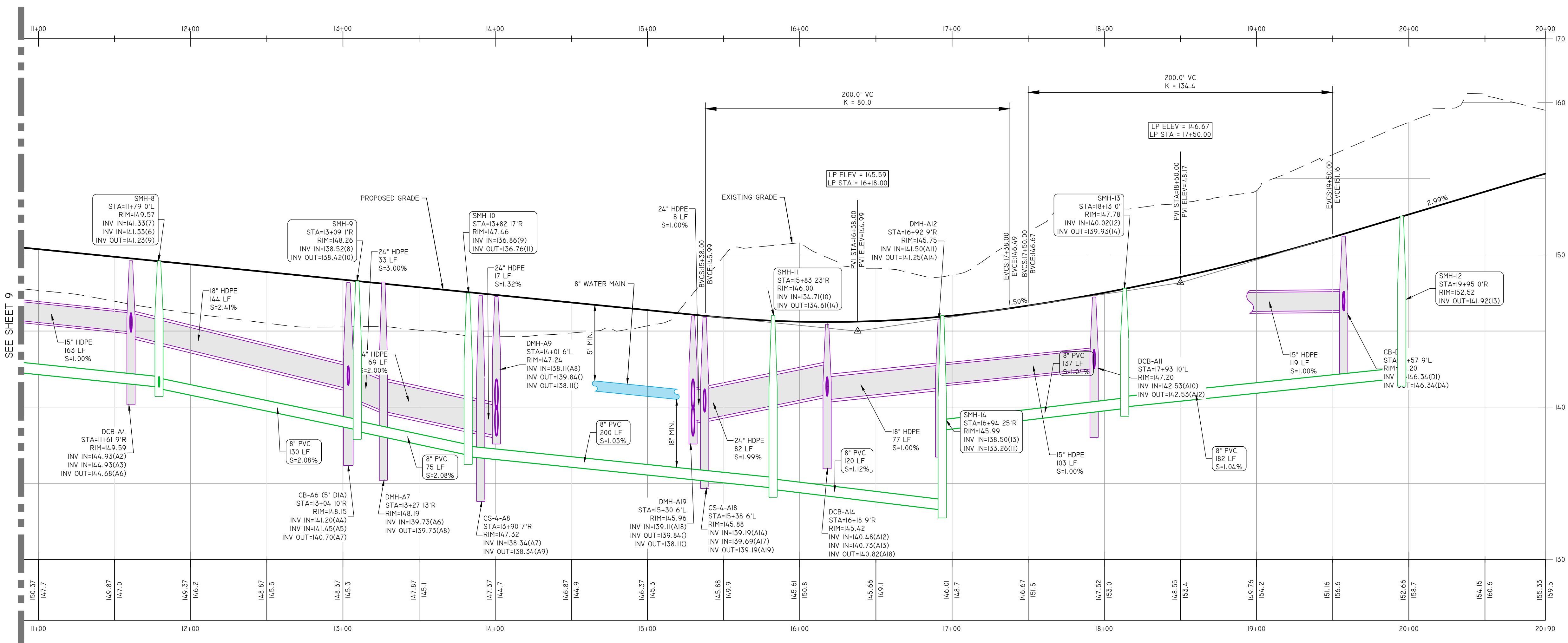
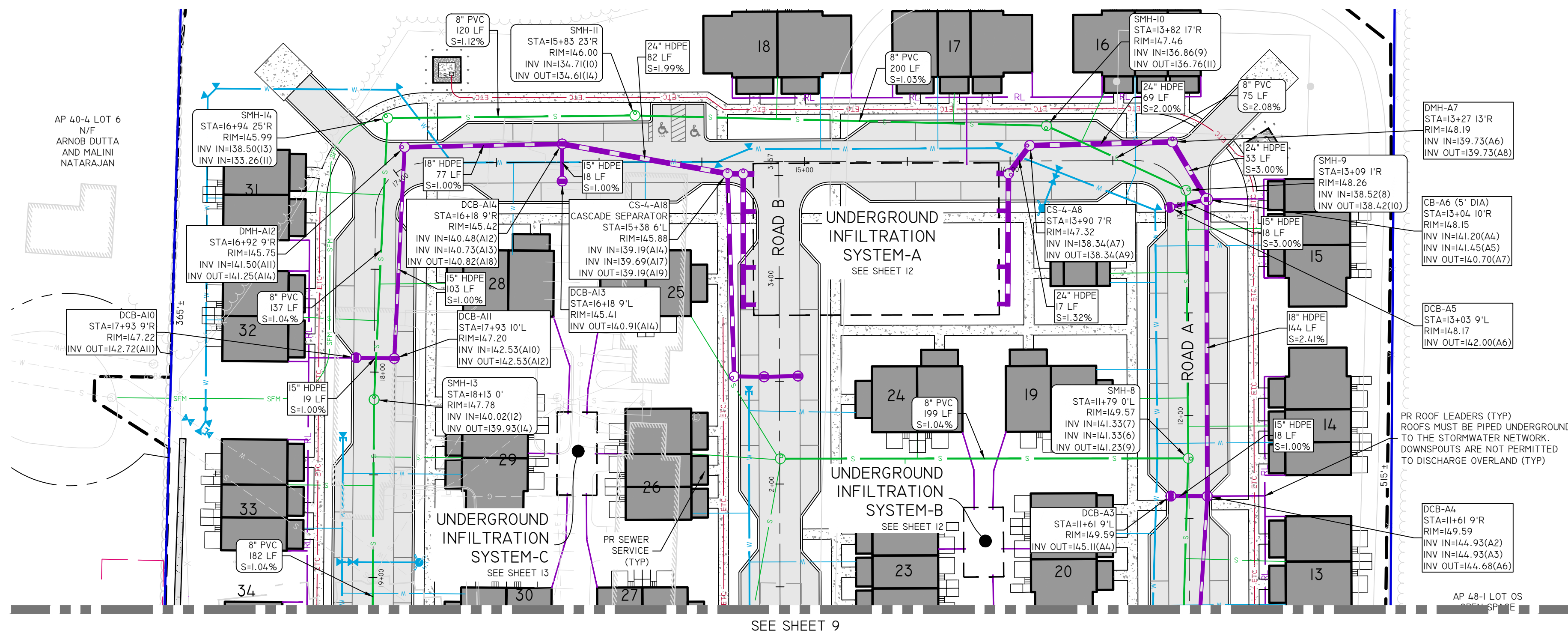
MOLLY R. TITUS
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL



THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES BY A 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 OF ANY OTHER PARTY. THE CLIENT ASSUMES ALL RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, SAFETY, PRECAUTIONS AND REQUIREMENTS, AND OSHA COMPLIANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.
 EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR OBTAINING OR VERIFYING THE ACCURACY OF EXISTING UTILITIES. SEE 'UTILITY NOTES' ON SHEET 3.

NO.	DATE	DESCRIPTION	J.A.R.
1	05/22/2024	PERMITTING SUBMISSION	J.A.R.
DRAWN BY: J.A.R.			DESIGN BY: N.M.P.

PLAN & PROFILE - ROAD A - 1
 CHAMPAGNE HEIGHTS
 ASSESSORS PLAT 48-1 LOT 8
 SOUTH KINGSTOWN, RHODE ISLAND
 ZONED: GT-GOVERNMENT AND INSTITUTIONAL
 PREPARED FOR:
 SKRA SERVICES & DEVELOPMENT CORPORATION
 364 CURTIS CORNER ROAD
 WAKEFIELD, RHODE ISLAND 02879
 (BY JOB NO. 363-001-002) COPYRIGHT 2024 BY DIPRETE ENGINEERING ASSOCIATES, INC.



Z:\DEVELOPMENT\PROJECTS\1082-001 CURTIS CORNER ROAD 364\AUTOCAD DRAWINGS\3083-001\PLAN.DWG PLOTTED: 10/17/2024

Diprete Engineering
 Engineers - Planners - Surveyors
 www.diprete-eng.com

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



THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES ONLY. A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING HAS REVIEWED THIS PLAN SET FOR CONFORMANCE WITH THE REQUIREMENTS OF THE RI ENGINEERING ACT. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF ANY INFORMATION NOT SHOWN ON THIS PLAN SET. EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. THE USER SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. SEE 'UTILITY NOTE' ON SHEET 3.

NO.	DATE	DESCRIPTION	J.A.R.	B.T.
1	05/22/2024	PRELIMINARY SUBMISSION	J.A.R.	B.T.
2	10/17/2024	FINAL	J.A.R.	B.T.

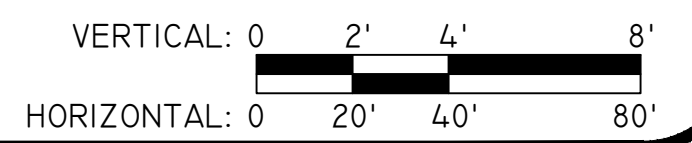
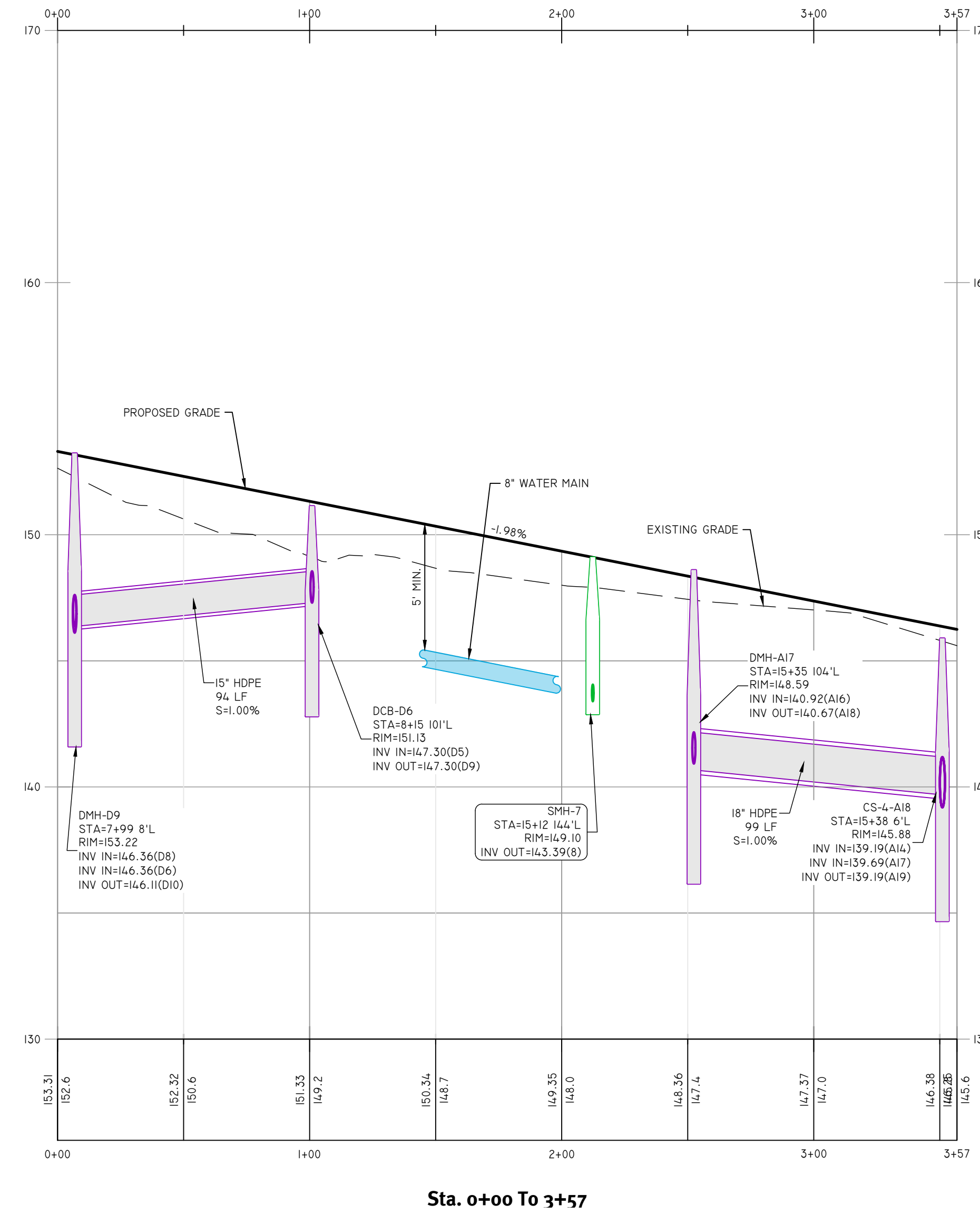
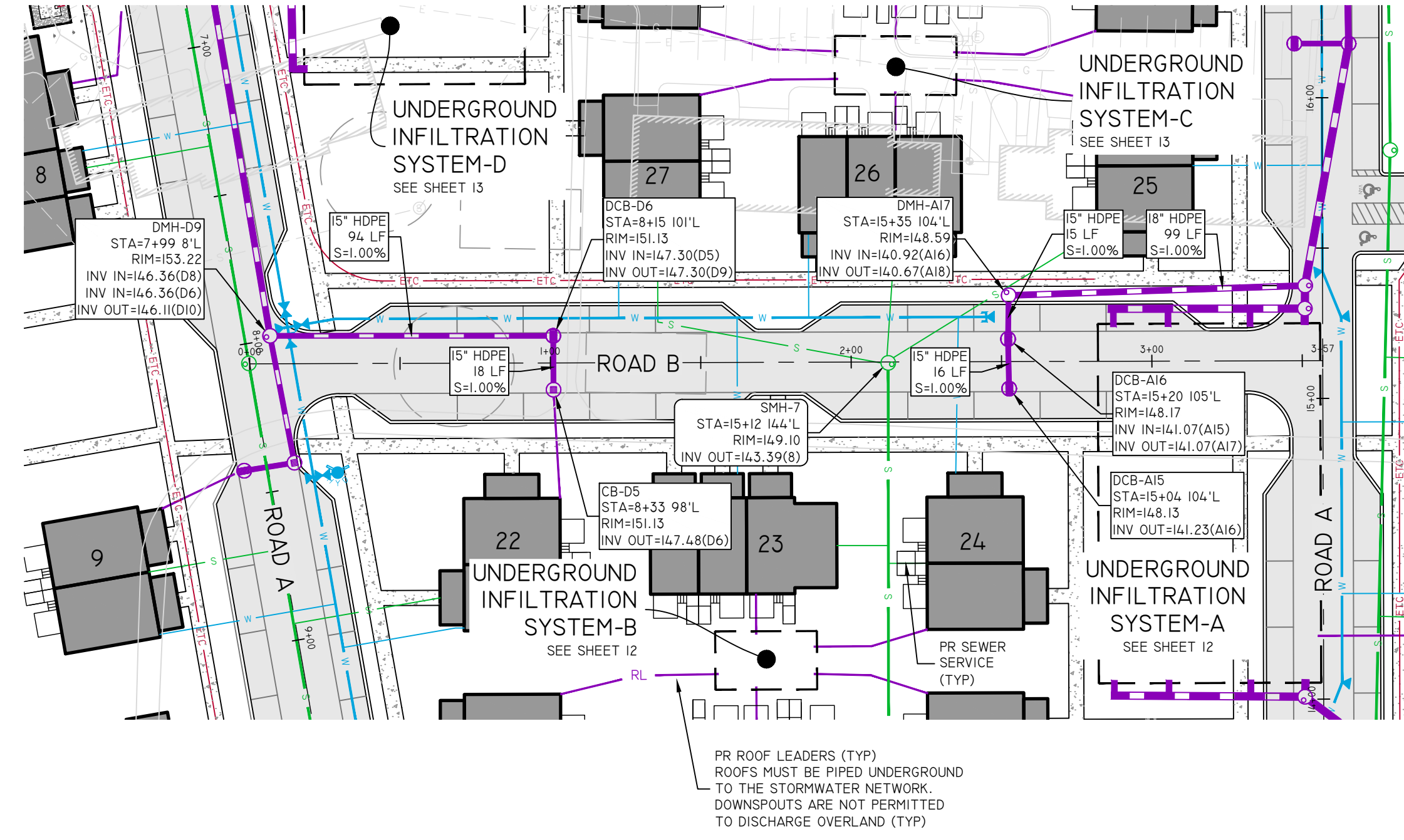
DESIGN BY: N.M.P.
 DRAWN BY: J.A.R.

PLAN & PROFILE - ROAD A - 2
 CHAMPAGNE HEIGHTS
 ASSESSORS PLAT 48-1 LOT 8
 SOUTH KINGSTOWN, RHODE ISLAND
 ZONED: GT-GOVERNMENT AND INSTITUTIONAL
 PREPARED FOR:
 SKHA SERVICES & DEVELOPMENT CORPORATION
 364 CURTIS CORNER ROAD
 WAKEFIELD, RHODE ISLAND 02879

VERTICAL: 0 2' 4' 8'
 HORIZONTAL: 0 20' 40' 80'

SHEET 10 OF 16

Z:\DEVELOPMENT\PROJECTS\1983-001 CURTIS CORNER ROAD - 364\AUTOCAD DRAWINGS\1983-001\PLAN.DWG PLOTTED: 10/17/2024



Diprete Engineering
Engineers - Planners - Surveyors
www.diprete-eng.com

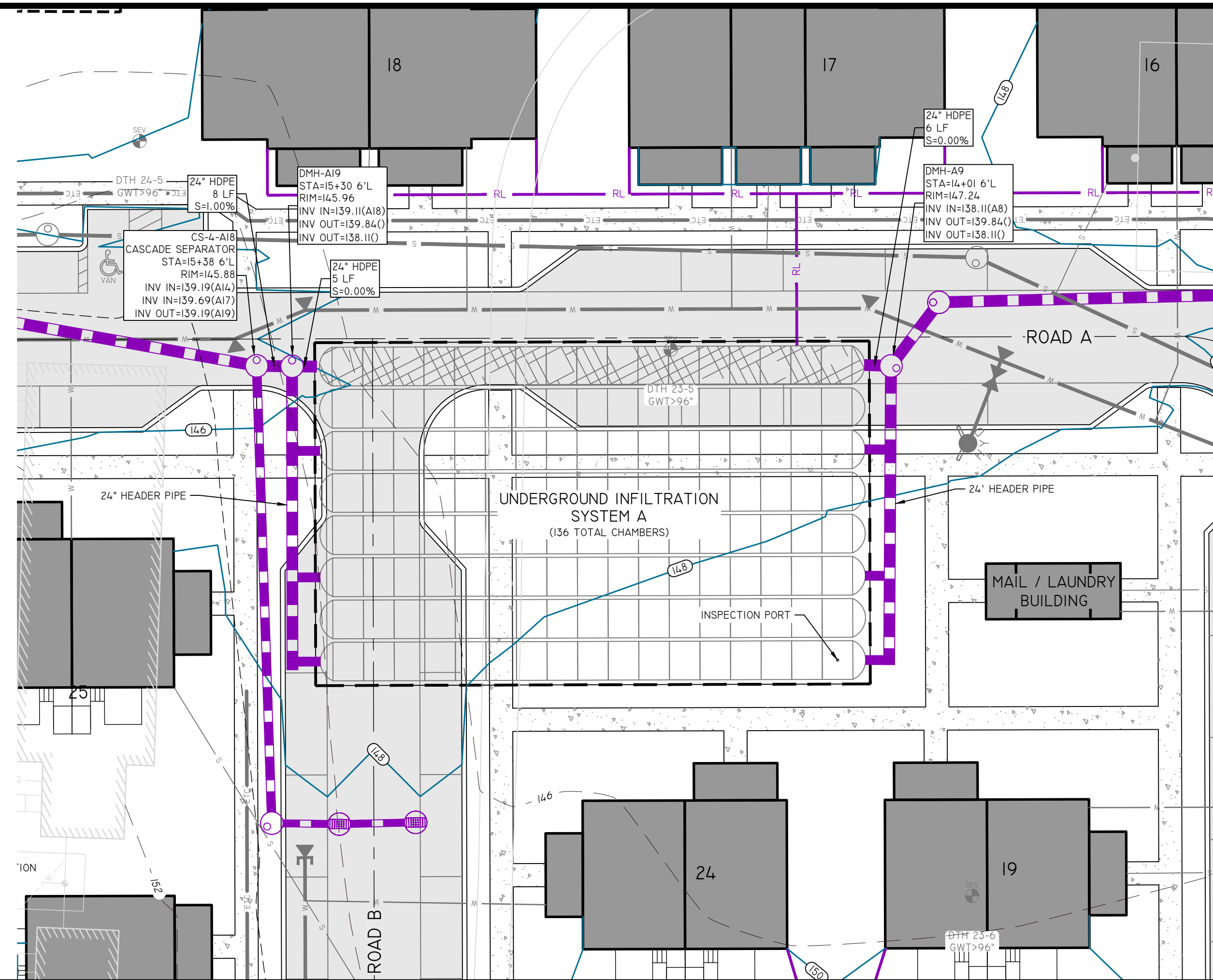
MOLLY R. TITUS
No. [Signature]
REGISTERED PROFESSIONAL ENGINEER CIVIL



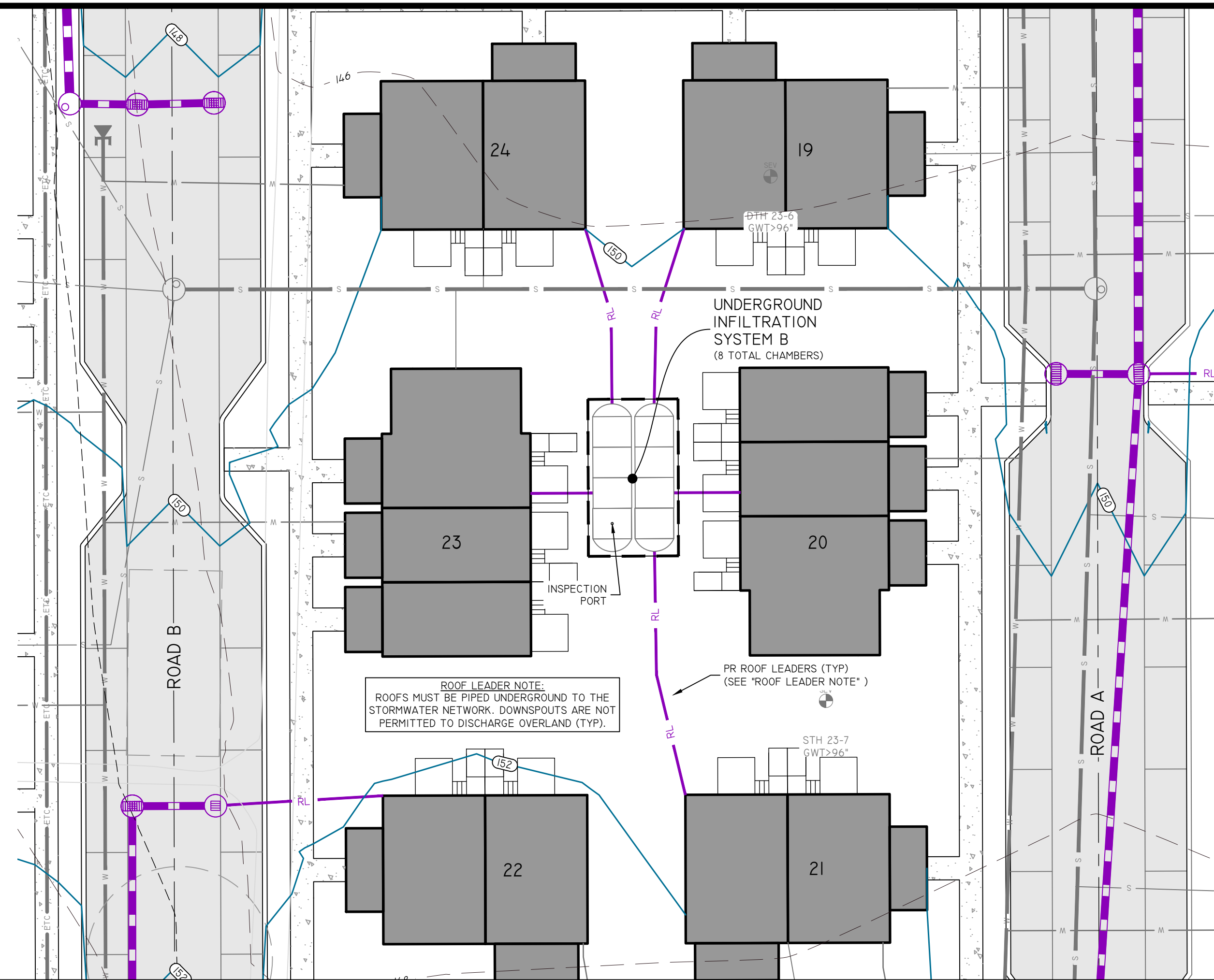
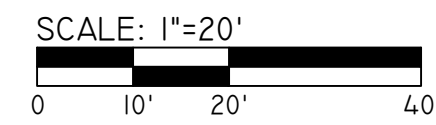
THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES WITHOUT THE WRITTEN APPROVAL OF DIPRETE ENGINEERING. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS PLAN SET. THE USER ASSUMES ALL LIABILITY FOR THE USE OF THIS PLAN SET. DIPRETE ENGINEERING ASSUMES NO LIABILITY FOR THE ACCURACY OF ANY UTILITIES SHOWN ON THIS PLAN SET. SEE 'UTILITY NOTE' ON SHEET 3.

NO.	DATE	REVISION / DESCRIPTION	DESIGNED BY	DRAWN BY
1	05/12/2024	PERMITTING SUBMISSION	J.A.R.	J.A.R.
			B.T.	
			DESIGN BY: N.M.P.	

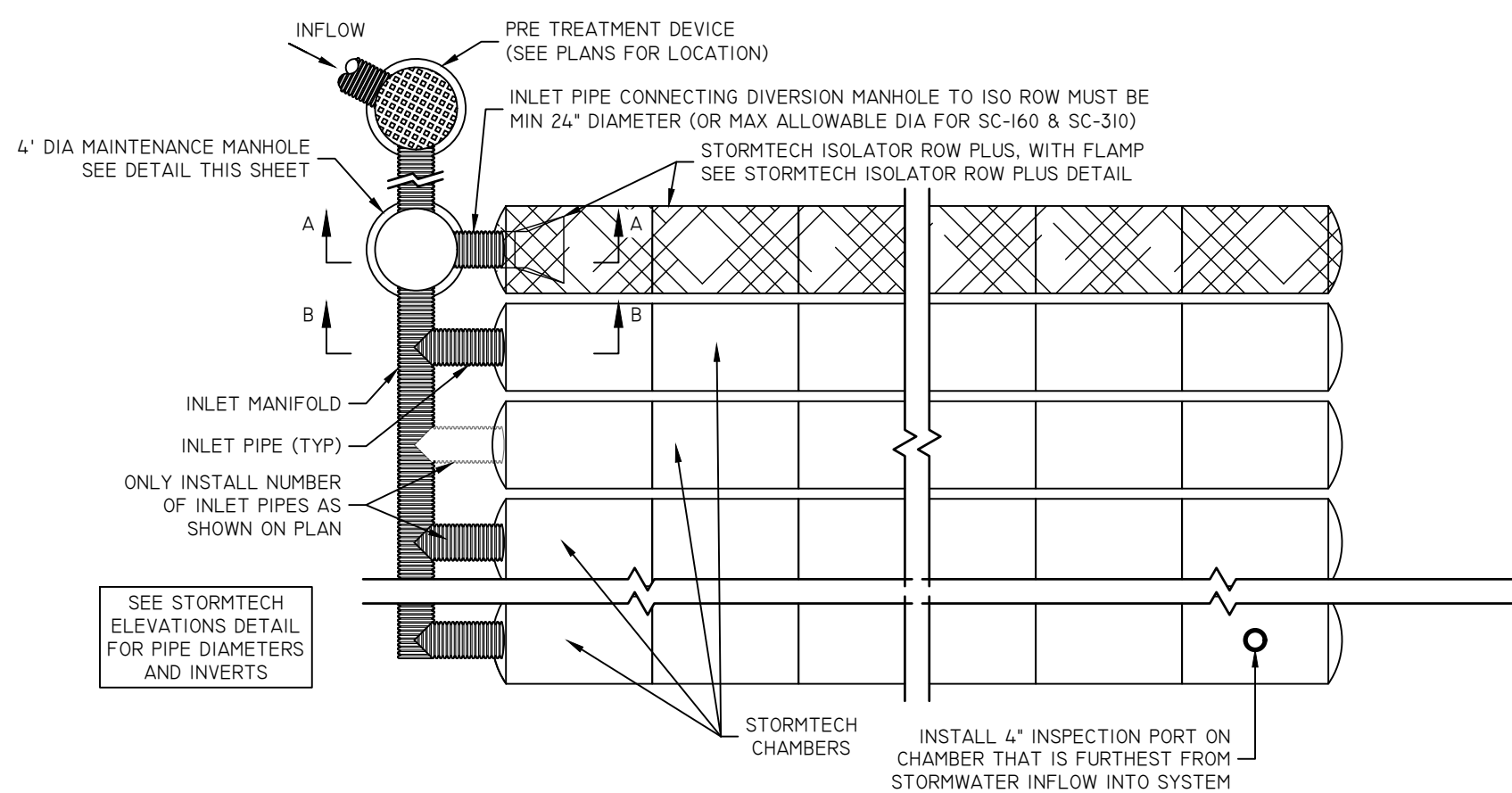
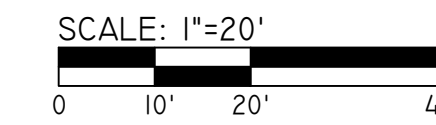
PLAN & PROFILE - ROAD B
CHAMPAGNE HEIGHTS
ASSESSORS PLAT 48-1 LOT 8
SOUTH KINGSTOWN, RHODE ISLAND
ZONED: GT-GOVERNMENT AND INSTITUTIONAL
PREPARED FOR:
SKHA SERVICES & DEVELOPMENT CORPORATION
364 CURTIS CORNER ROAD
WAKEFIELD, RHODE ISLAND 02879



UNDERGROUND INFILTRATION SYSTEM A (UIS-A)

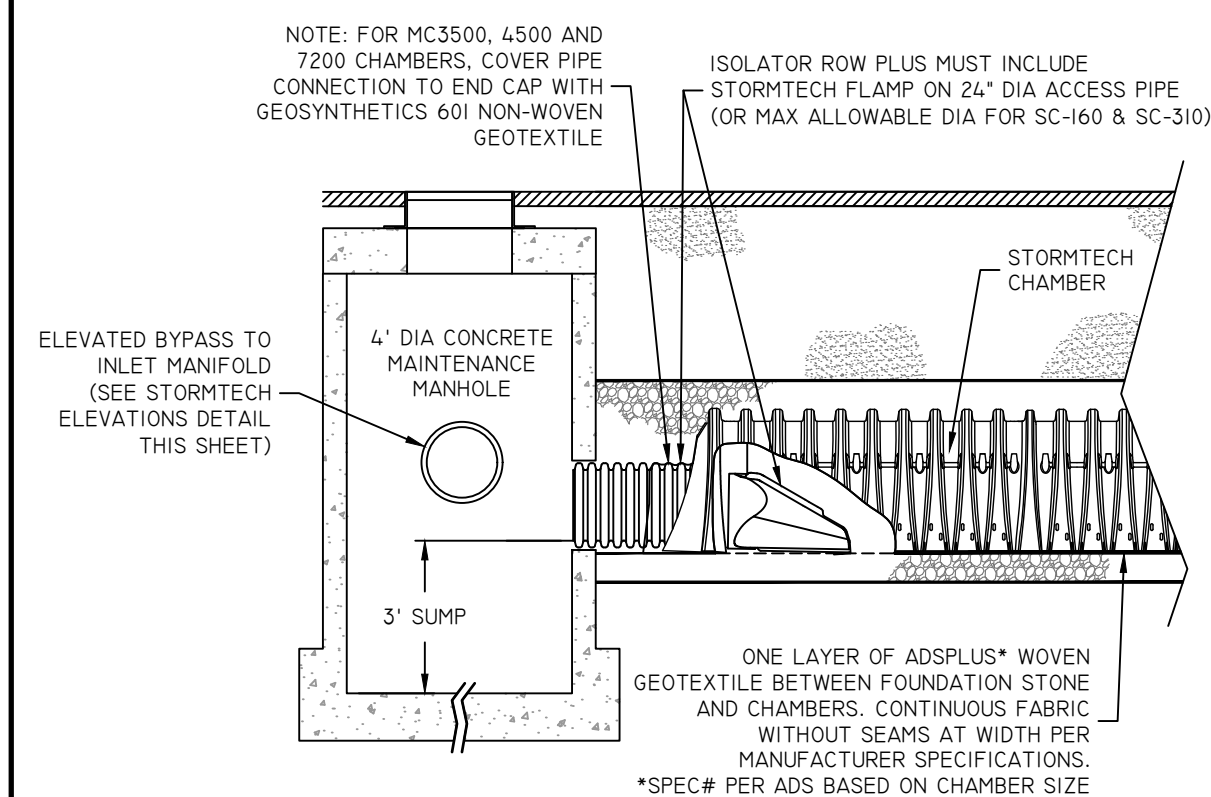


UNDERGROUND INFILTRATION SYSTEM B (UIS-B)



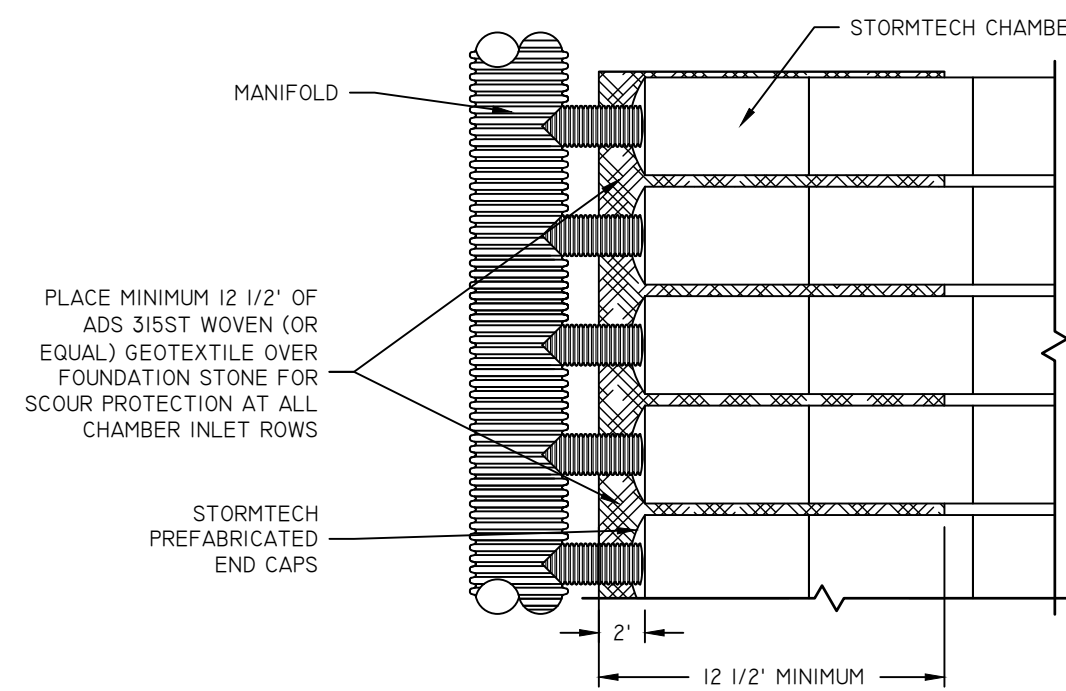
STORMTECH LAYOUT - INFILTRATION - UIS-A

NOT TO SCALE



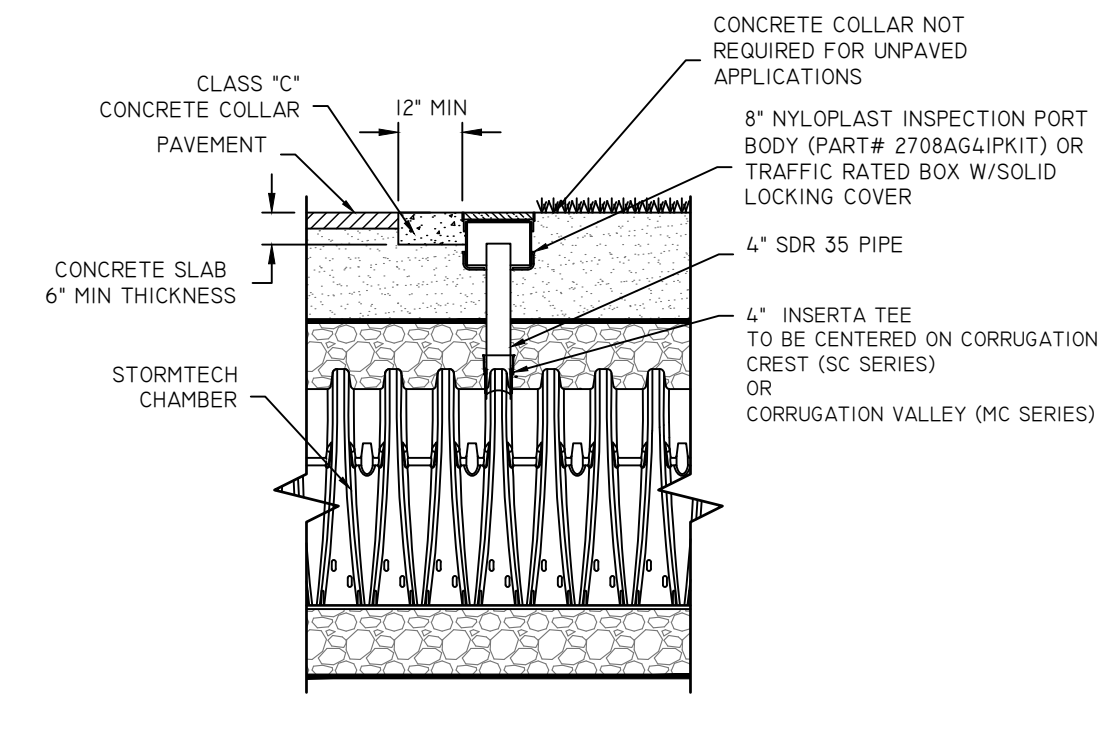
STORMTECH ISOLATOR ROW PLUS DETAIL - UIS-A

NOT TO SCALE



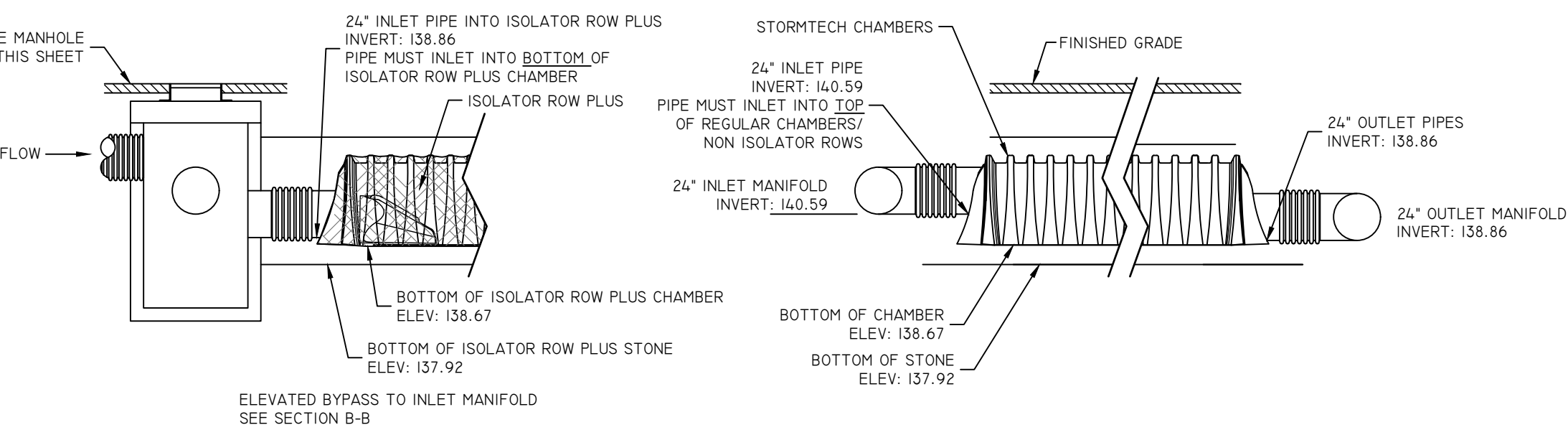
STORMTECH SCOUR PROTECTION DETAIL

NOT TO SCALE



STORMTECH 4" INSPECTION PORT DETAIL

NOT TO SCALE



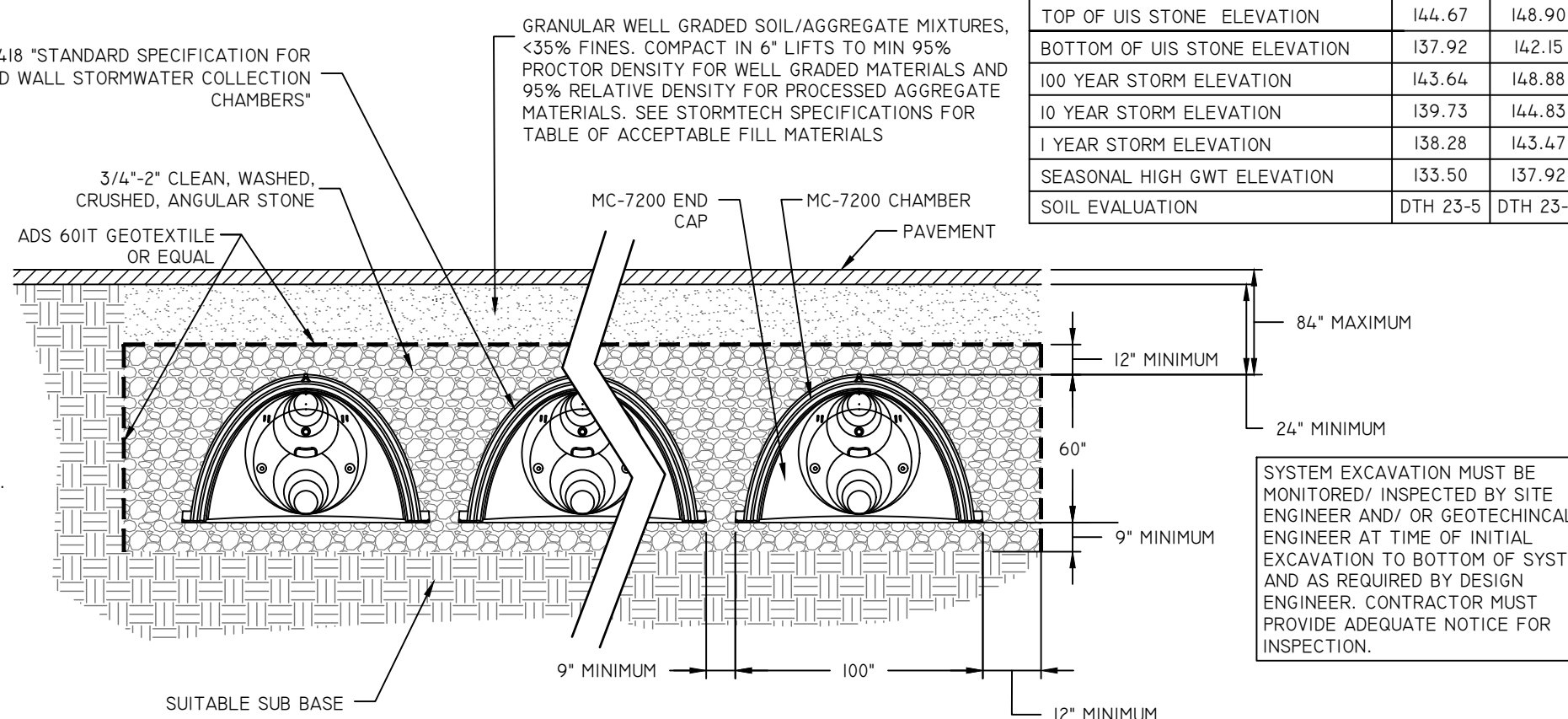
STORMTECH ELEVATIONS - UIS-A

NOT TO SCALE

CHAMBERS SHALL MEET ASTM F2418 'STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS'

NOTES:

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



STORMTECH MC-7200 TYPICAL CROSS SECTION

NOT TO SCALE

DESCRIPTION	UIS-A	UIS-B
TOP OF UIS STONE ELEVATION	144.67	148.90
BOTTOM OF UIS STONE ELEVATION	137.92	142.15
100 YEAR STORM ELEVATION	143.64	148.88
10 YEAR STORM ELEVATION	139.73	144.83
1 YEAR STORM ELEVATION	138.28	143.47
SEASONAL HIGH GWT ELEVATION	133.50	137.92
SOIL EVALUATION	DTH 23-5	DTH 23-6

SYSTEM EXCAVATION MUST BE MONITORED/ INSPECTED BY SITE ENGINEER AND/ OR GEOTECHNICAL ENGINEER AT TIME OF INITIAL EXCAVATION TO BOTTOM OF SYSTEM, AND AS REQUIRED BY DESIGN ENGINEER. CONTRACTOR MUST PROVIDE ADEQUATE NOTICE FOR INSPECTION.

CONTRACTOR NOTE: SHOULD CONTRACTOR WISH TO PROPOSE ALTERNATE STORMWATER SYSTEM IN LIEU OF ADS STORMTECH, CONTRACTOR MUST SUBMIT THE FOLLOWING FOR REVIEW AND APPROVAL BY OWNER/ DESIGN ENGINEER PRIOR TO CONSTRUCTION:

- COMPLETED 'SUBSTITUTION REQUEST' CSI FORM 13.1A (APRIL 2022 VERSION MODIFIED BY DIPRETE ENGINEERING 2023) - FORM AVAILABLE FROM DIPRETE ENGINEERING.
- ALTERNATE PRODUCT DESIGN PLANS SPECIFIC TO THIS PROJECT, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THIS PROJECT.
- POINT BY POINT COMPARATIVE DATA THAT DEMONSTRATES HOW THE ALTERNATE DESIGN MEETS OR IMPROVES THE DESIGN SHOWN ON THE APPROVED PLANS AND REPORTS, INCLUDING (BUT NOT LIMITED TO):
 - STAGE STORAGE
 - PEAK FLOOD ELEVATION
 - PEAK DISCHARGE FOR ALL APPLICABLE DESIGN STORMS AS SET FORTH IN THE APPROVED PLANS, REPORTS AND CONTRACT DOCUMENTS
 - ANY OTHER APPLICABLE REQUIREMENTS OR CONSTRAINTS AS SET FORTH IN THE APPROVED PLANS, REPORTS AND CONTRACT DOCUMENTS
- PLANS, CALCULATIONS OR OTHERWISE THAT DEMONSTRATE HOW THE ALTERNATE DESIGN ADDRESSES SITE LAYOUT/ CONNECTIVITY TO THE ADJOINING STORMWATER NETWORK COMPONENTS, INCLUDING (BUT MAY NOT BE LIMITED TO):
 - PROVISION FOR ACCESS AND MAINTENANCE
 - ADEQUATE CONSTRUCTABILITY
 - ACCOMMODATION OF SURROUNDING OBJECTS/ STRUCTURES/ UTILITIES IN ACCORDANCE WITH ALL APPLICABLE OFFSETS, CLEARANCES AND STIPULATIONS AS REQUIRED BY THE APPLICABLE AUTHORITIES HAVING JURISDICTION

APPLICATION FOR SUBSTITUTION

NOT TO SCALE

Diprete Engineering
 Engineers - Planners - Surveyors
 www.diprete-eng.com
 Two Stafford Court, Cranston, RI 02920 - Tel: 401-943-1000

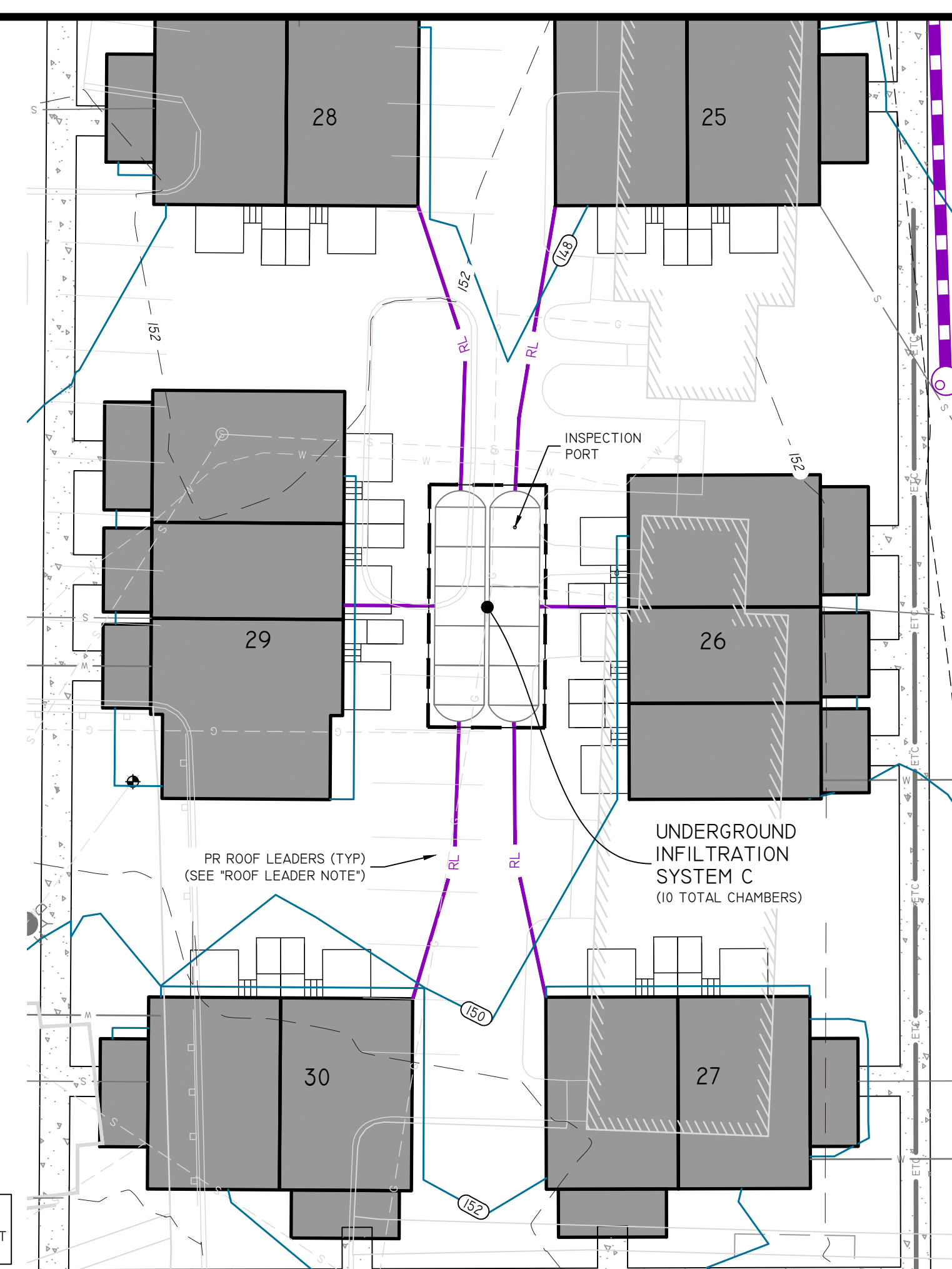
MOLLY R. TITUS
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL



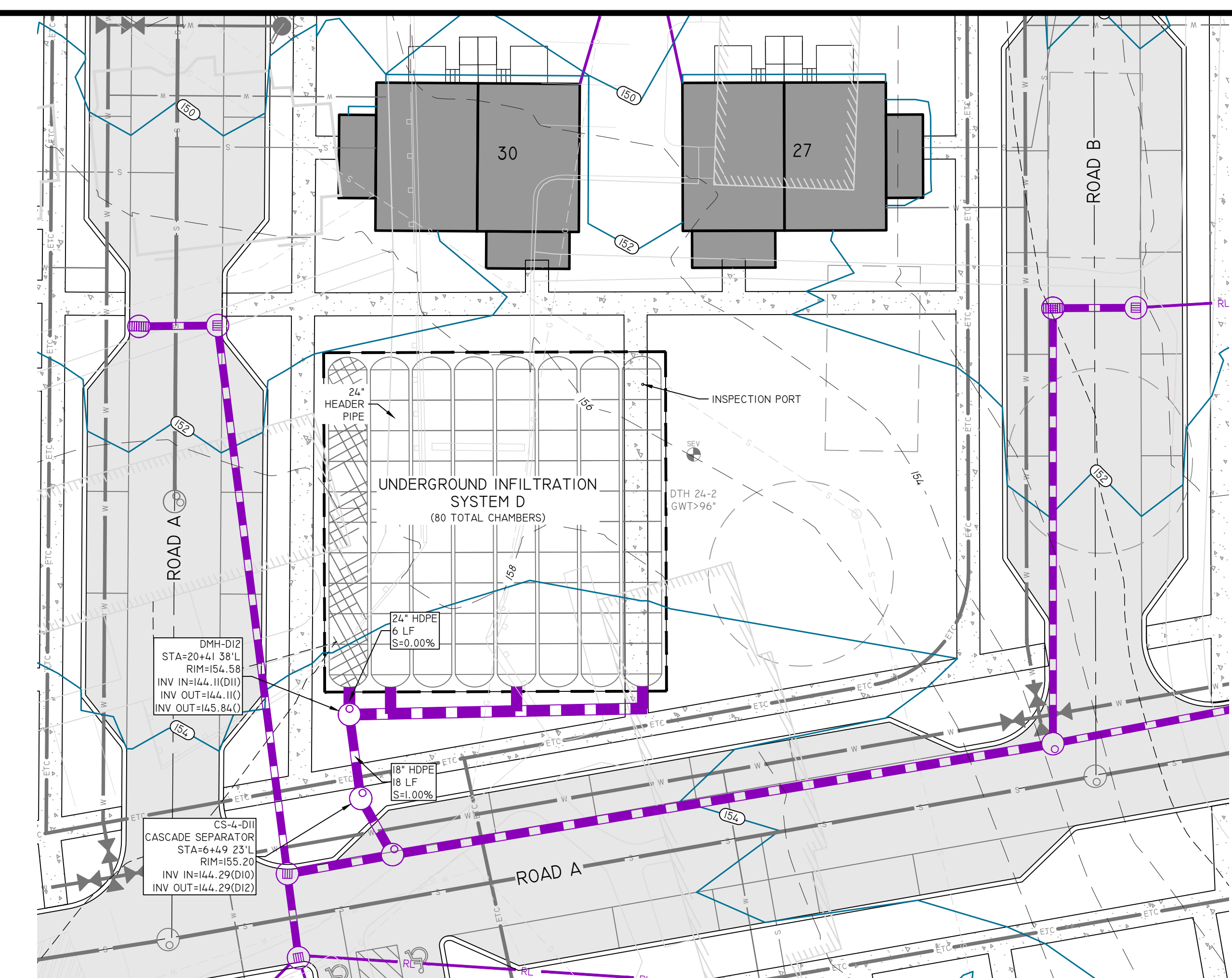
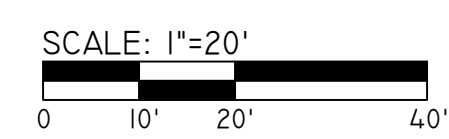
THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
 DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE ENGINEERING PROJECT. DIPRETE ENGINEERING, DIPRETE ENGINEERS, PLANNERS, SURVEYORS, AND DESIGNERS DO NOT WARRANT PLANS OF ANY OTHER PARTY. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING ALL METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA DESIGN. EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. SEE 'UTILITY NOTE' ON SHEET 3.

NO.	DATE	DESCRIPTION	J.A.R.	B.T.
1	05/22/2024	PRELIMINARY SUBMISSION	J.A.R.	B.T.
2		DESIGN BY: N.M.P.		

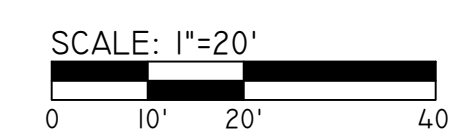
UNDERGROUND INFILTRATION SYSTEMS A & B
 CHAMPAGNE HEIGHTS
 ASSESSORS PLAT 48-1 LOT 8
 SOUTH KINGSTOWN, RHODE ISLAND
 ZONED: GI-GOVERNMENT AND INSTITUTIONAL
 REFERRED TO: SKRA SERVICES & DEVELOPMENT CORPORATION
 364 CURTIS CORNER ROAD
 WAKEFIELD, RHODE ISLAND 02879



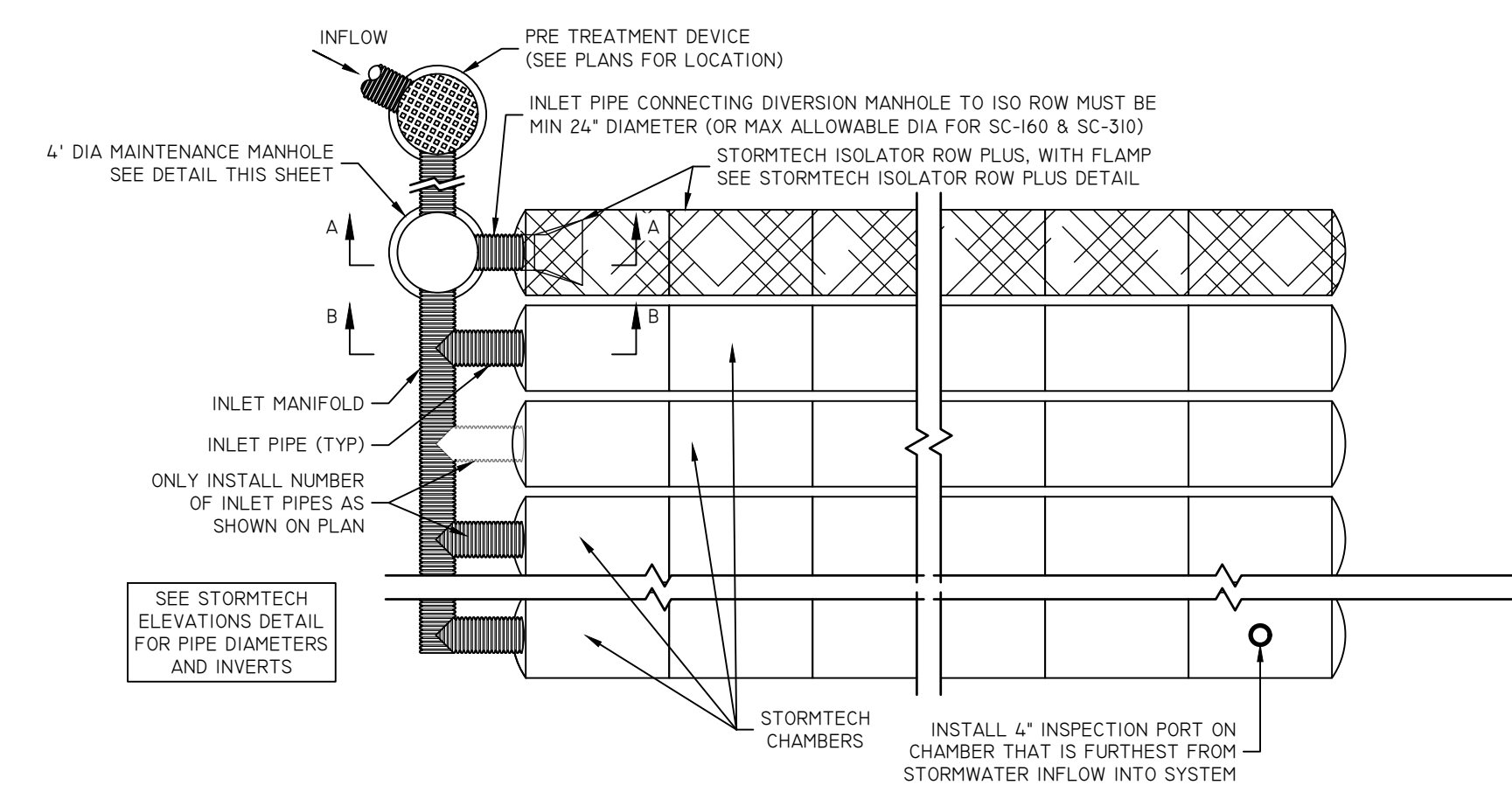
UNDERGROUND INFILTRATION SYSTEM C (UIS-C)



UNDERGROUND INFILTRATION SYSTEM D (UIS-D)

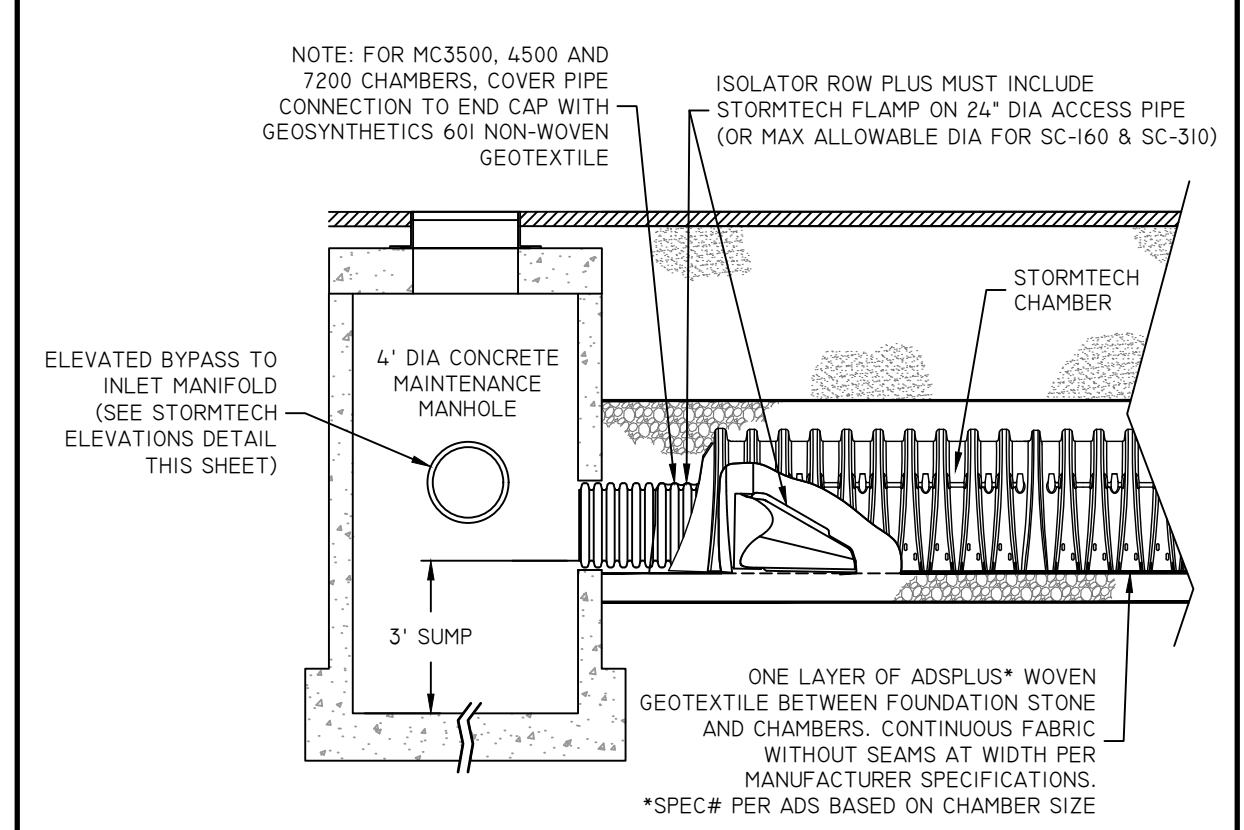


ROOF LEADER NOTE:
ROOFS MUST BE PIPED UNDERGROUND TO THE STORMWATER NETWORK. DOWNSPOUTS ARE NOT PERMITTED TO DISCHARGE OVERLAND (TYP.)



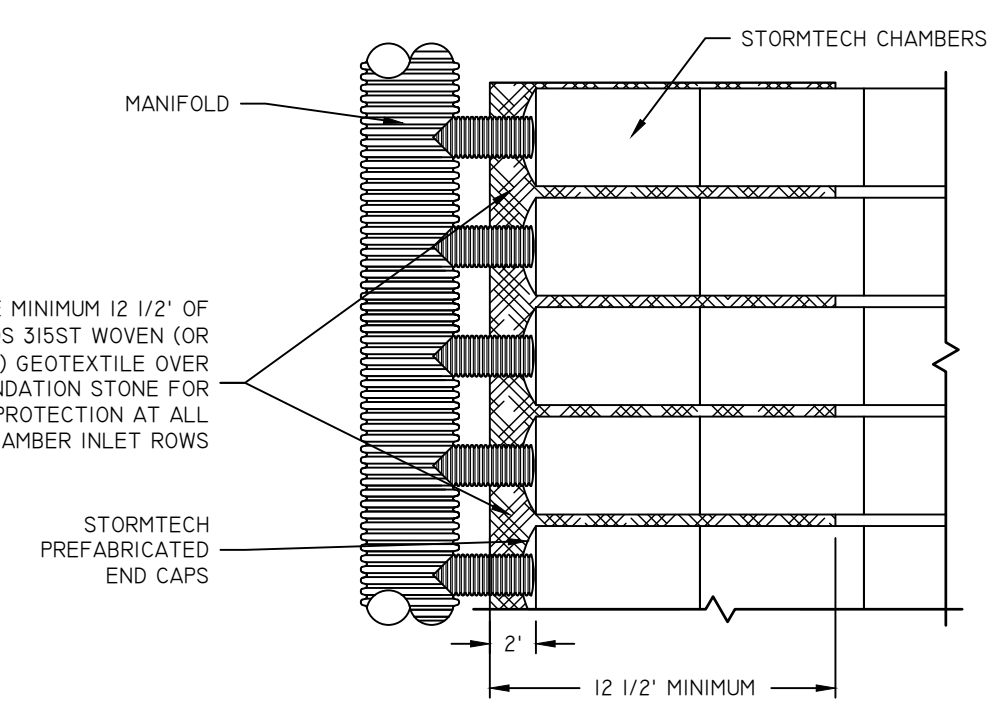
STORMTECH LAYOUT - INFILTRATION - UIS-D

NOT TO SCALE



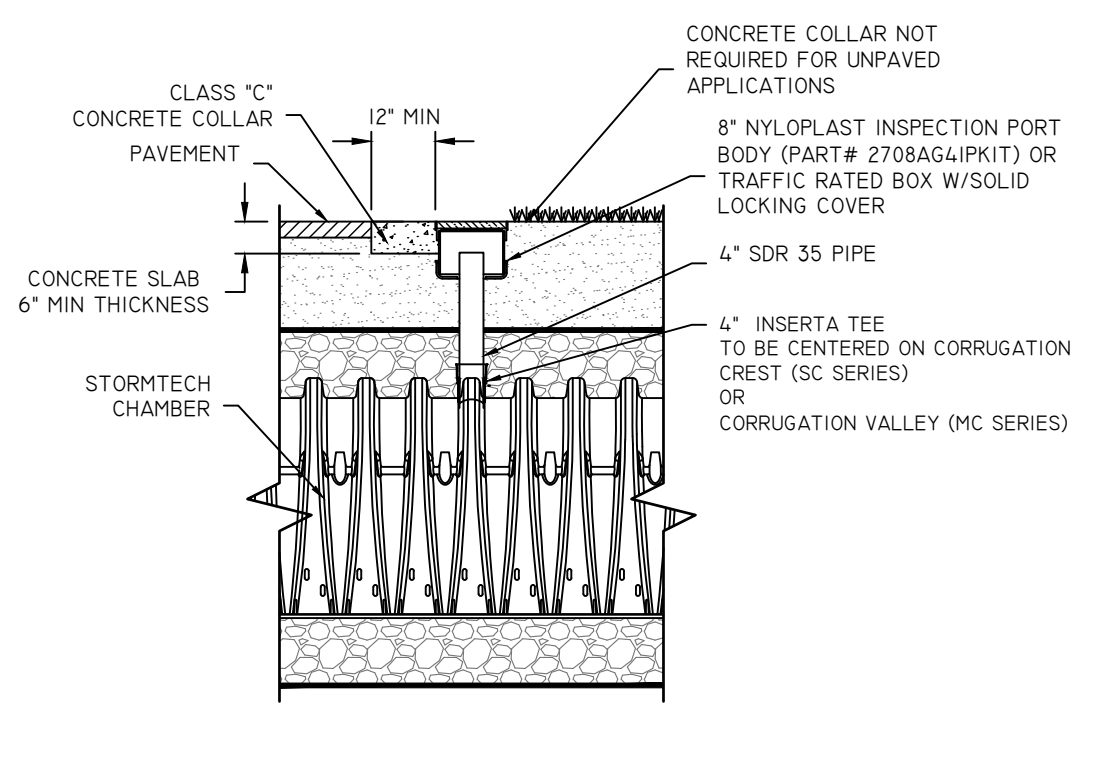
STORMTECH ISOLATOR ROW PLUS DETAIL - UIS-D

NOT TO SCALE



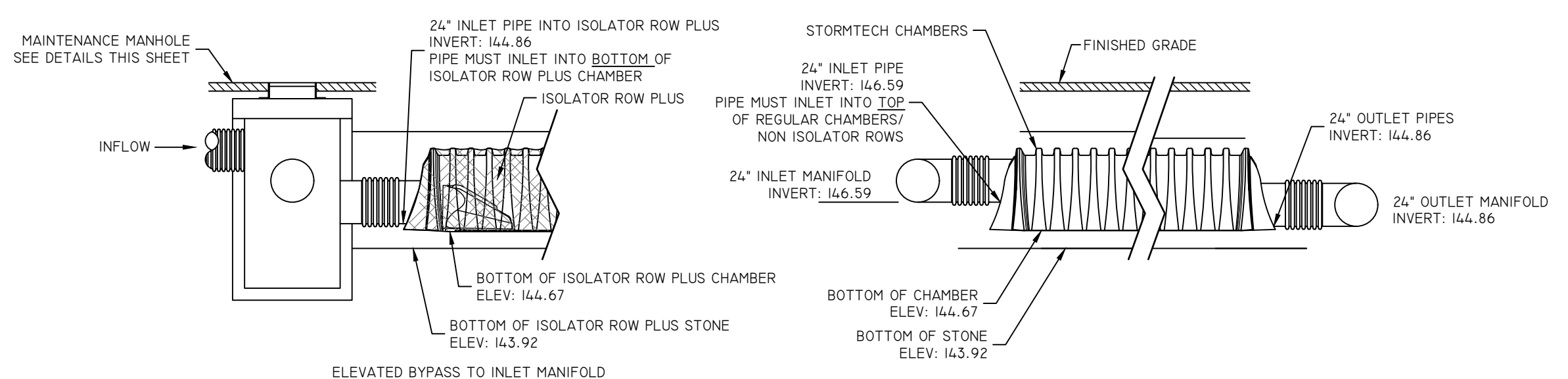
STORMTECH SCOUR PROTECTION DETAIL

NOT TO SCALE



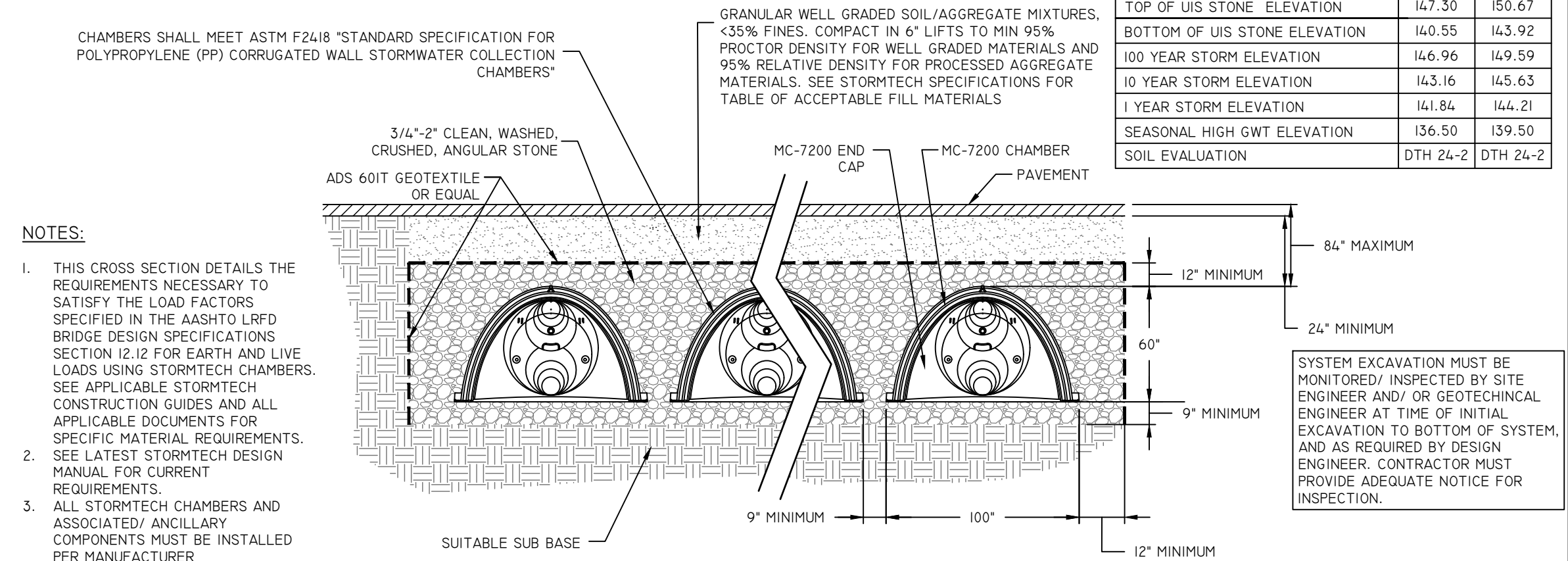
STORMTECH 4" INSPECTION PORT DETAIL

NOT TO SCALE



STORMTECH ELEVATIONS - UIS-D

NOT TO SCALE



STORMTECH MC-7200 TYPICAL CROSS SECTION

NOT TO SCALE

CONTRACTOR NOTE: SHOULD CONTRACTOR WISH TO PROPOSE ALTERNATE STORMWATER SYSTEM IN LIEU OF ADS STORMTECH, CONTRACTOR MUST SUBMIT THE FOLLOWING FOR REVIEW AND APPROVAL BY OWNER/ DESIGN ENGINEER PRIOR TO CONSTRUCTION:

- COMPLETED "SUBSTITUTION REQUEST" CSI FORM 13.1A (APRIL 2022 VERSION MODIFIED BY DIPRETE ENGINEERING 2023) - FORM AVAILABLE FROM DIPRETE ENGINEERING.
- ALTERNATE PRODUCT DESIGN PLANS SPECIFIC TO THIS PROJECT, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THIS PROJECT.
- POINT BY POINT COMPARATIVE DATA THAT DEMONSTRATES HOW THE ALTERNATE DESIGN MEETS OR IMPROVES THE DESIGN SHOWN ON THE APPROVED PLANS AND REPORTS, INCLUDING (BUT NOT LIMITED TO):
 - STAGE STORAGE
 - PEAK FLOOD ELEVATION
 - PEAK DISCHARGE FOR ALL APPLICABLE DESIGN STORMS AS SET FORTH IN THE APPROVED PLANS, REPORTS AND CONTRACT DOCUMENTS
 - ANY OTHER APPLICABLE REQUIREMENTS OR CONSTRAINTS AS SET FORTH IN THE APPROVED PLANS, REPORTS AND CONTRACT DOCUMENTS
- POINT BY POINT COMPARATIVE DATA THAT DEMONSTRATES HOW THE ALTERNATE DESIGN ADDRESSES SITE LAYOUT/ CONNECTIVITY TO THE ADJOINING STORMWATER NETWORK COMPONENTS, INCLUDING (BUT NOT LIMITED TO):
 - PROVISION FOR ACCESS AND MAINTENANCE
 - ADEQUATE CONSTRUCTABILITY
 - ACCOMMODATION OF SURROUNDING OBJECTS/ STRUCTURES/ UTILITIES IN ACCORDANCE WITH ALL APPLICABLE OFFSETS, CLEARANCES AND STIPULATIONS AS REQUIRED BY THE APPLICABLE AUTHORITIES HAVING JURISDICTION

APPLICATION FOR SUBSTITUTION

NOT TO SCALE

Diprete Engineering
Engineers - Planners - Surveyors
www.diprete-eng.com

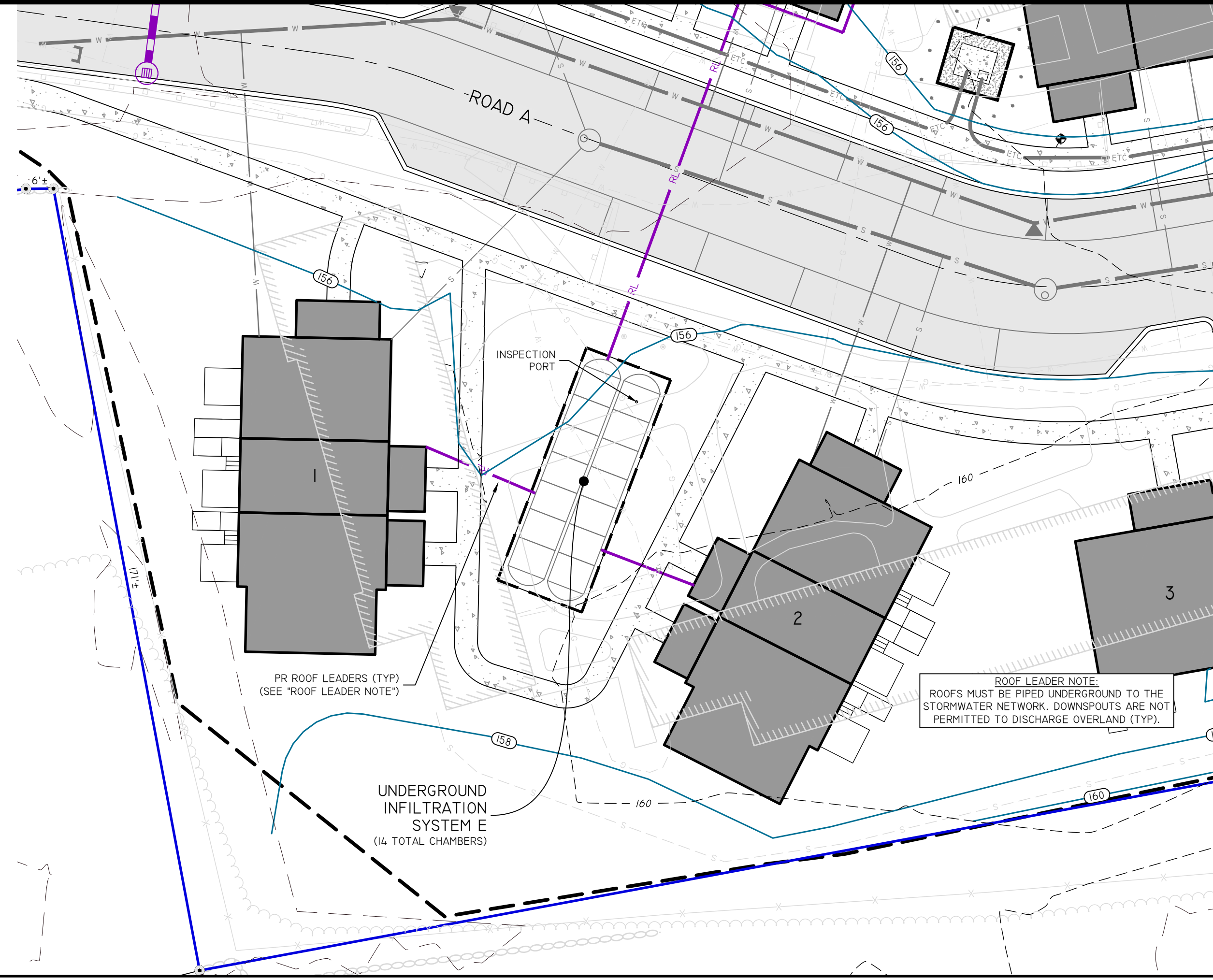
MOLLY R. TITUS
REGISTERED PROFESSIONAL ENGINEER CIVIL



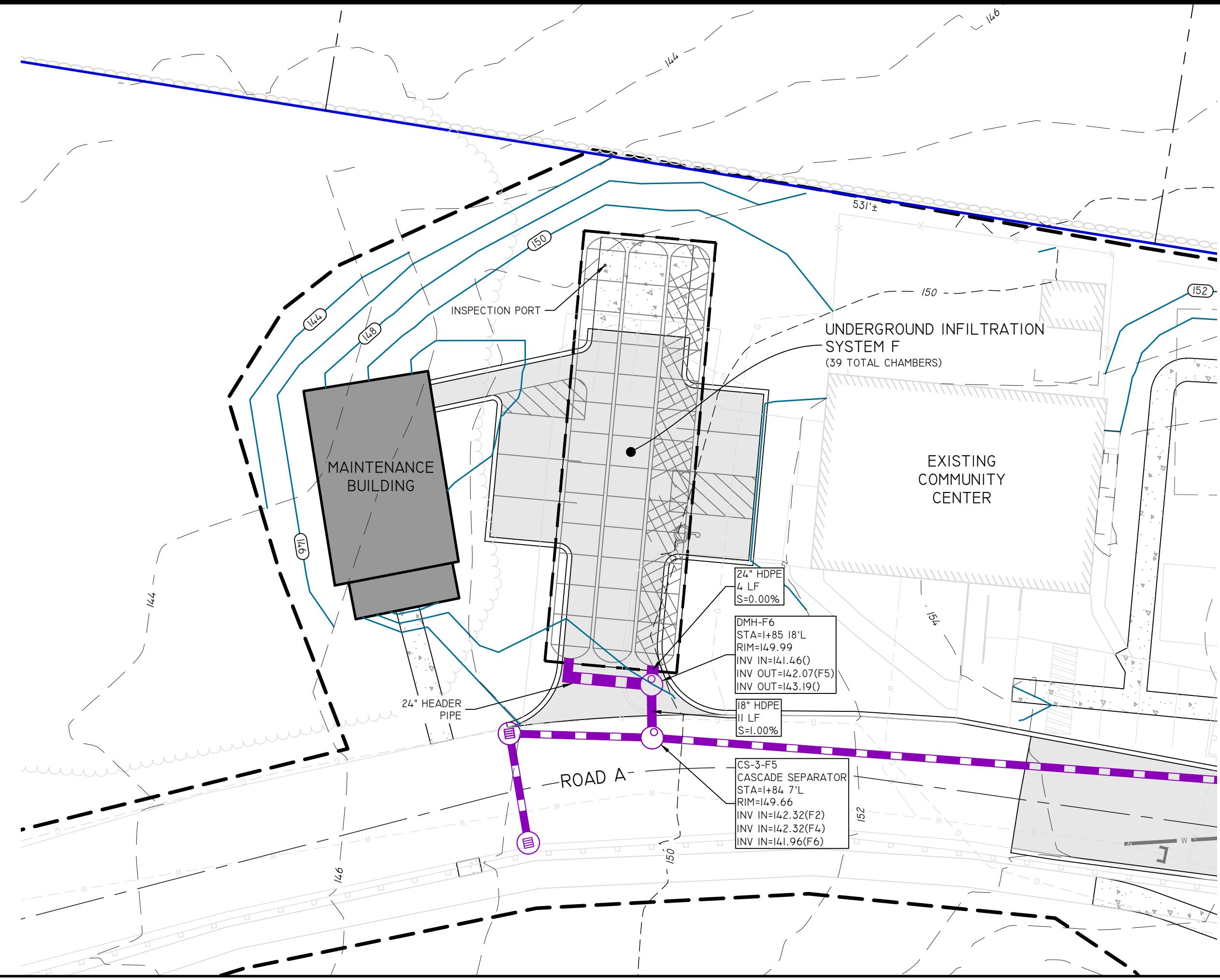
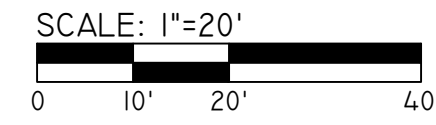
THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS APPROVED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
DIPRETE ENGINEERING ONLY WARRANTS ITS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING, DIPRETE ENGINEERING DOES NOT WARRANT ITS PLANS IF ANY OTHER PARTY, CONTRACTOR, USER, OR OTHER PARTY, HAS MADE ANY CHANGES, MODIFICATIONS, OR OSHA METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA DESIGN, MADE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR OMA OR FIELD VERIFICATION OF UTILITIES. VERIFY ALL UTILITIES. SEE "UTILITY NOTE" ON SHEET 3.

NO.	DATE	DESCRIPTION	J.A.R.	B.T.
1	05/22/2024	PREPARE SUBMISSION	J.A.R.	B.T.
		DESIGN	J.A.R.	N.M.P.

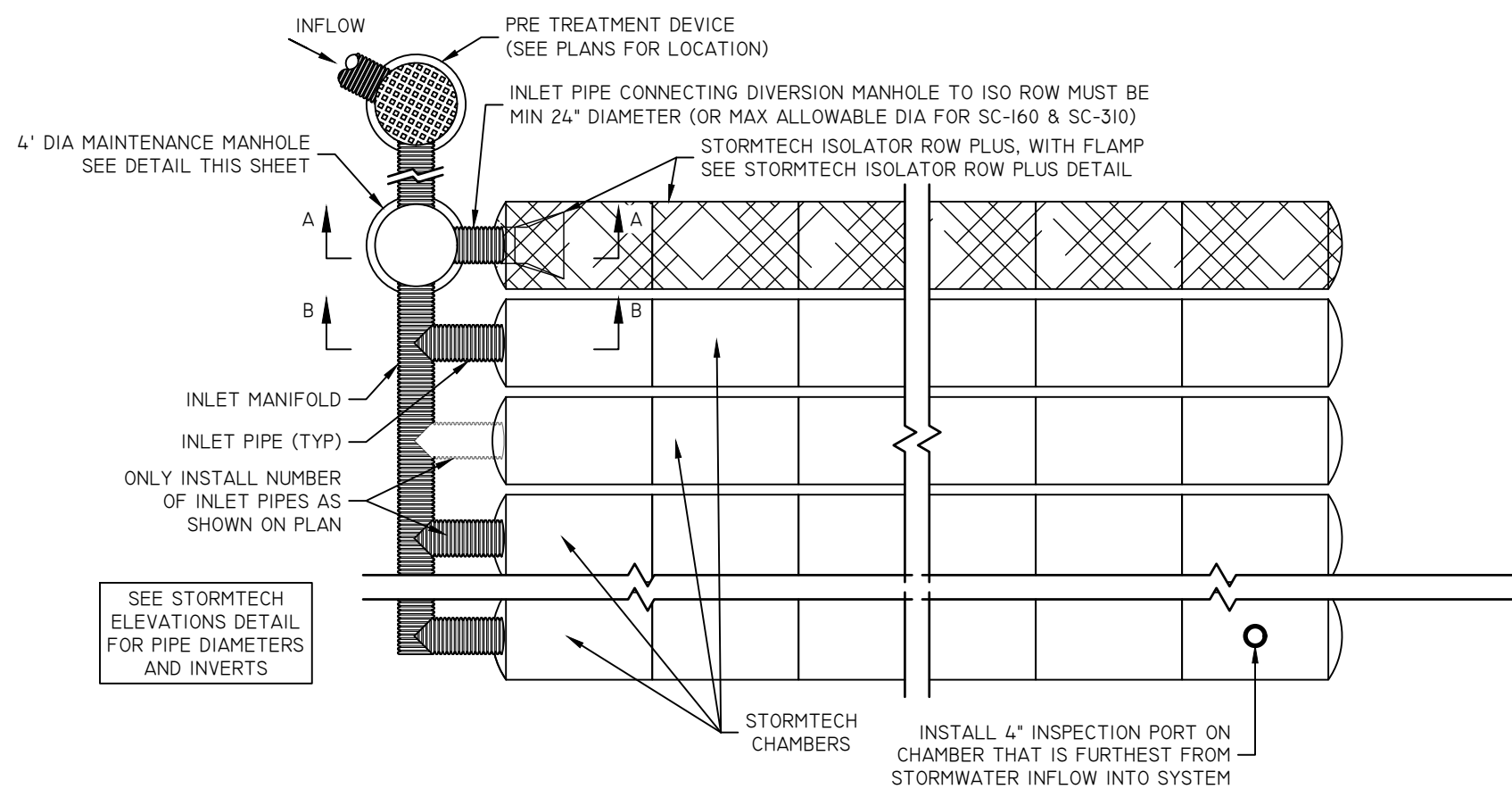
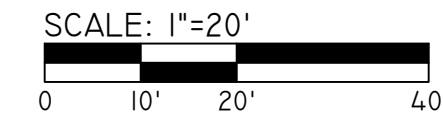
UNDERGROUND INFILTRATION SYSTEMS C & D
CHAMPAGNE HEIGHTS
ASSESSORS PLAT 48-1 LOT 8
SOUTH KINGSTOWN, RHODE ISLAND
ZONED: GT-GOVERNMENT AND INSTITUTIONAL
PREPARED FOR:
SKHA SERVICES & DEVELOPMENT CORPORATION
364 CURTIS CORNER ROAD
WAKEFIELD, RHODE ISLAND 02879



UNDERGROUND INFILTRATION SYSTEM E (UIS-E)

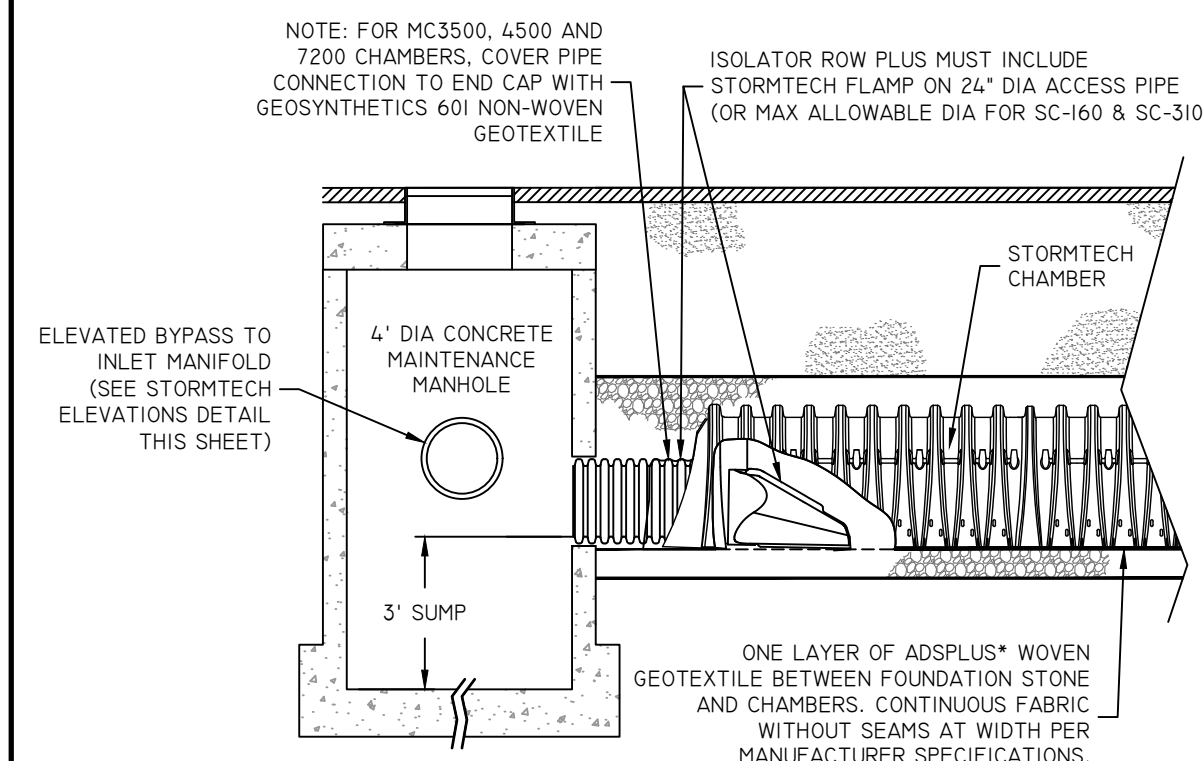


UNDERGROUND INFILTRATION SYSTEM F (UIS-F)



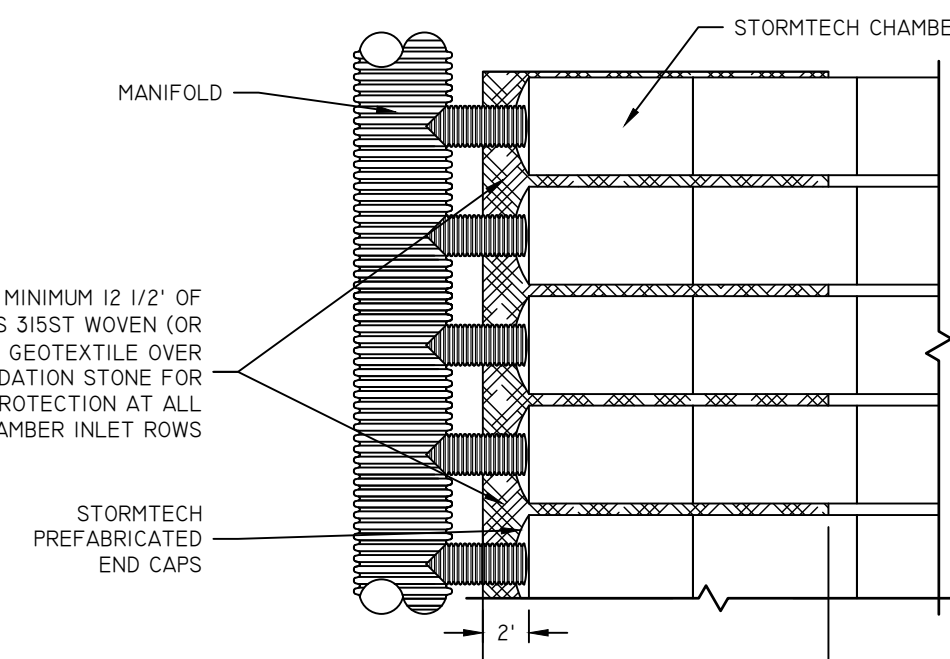
STORMTECH LAYOUT - INFILTRATION - UIS-F

NOT TO SCALE



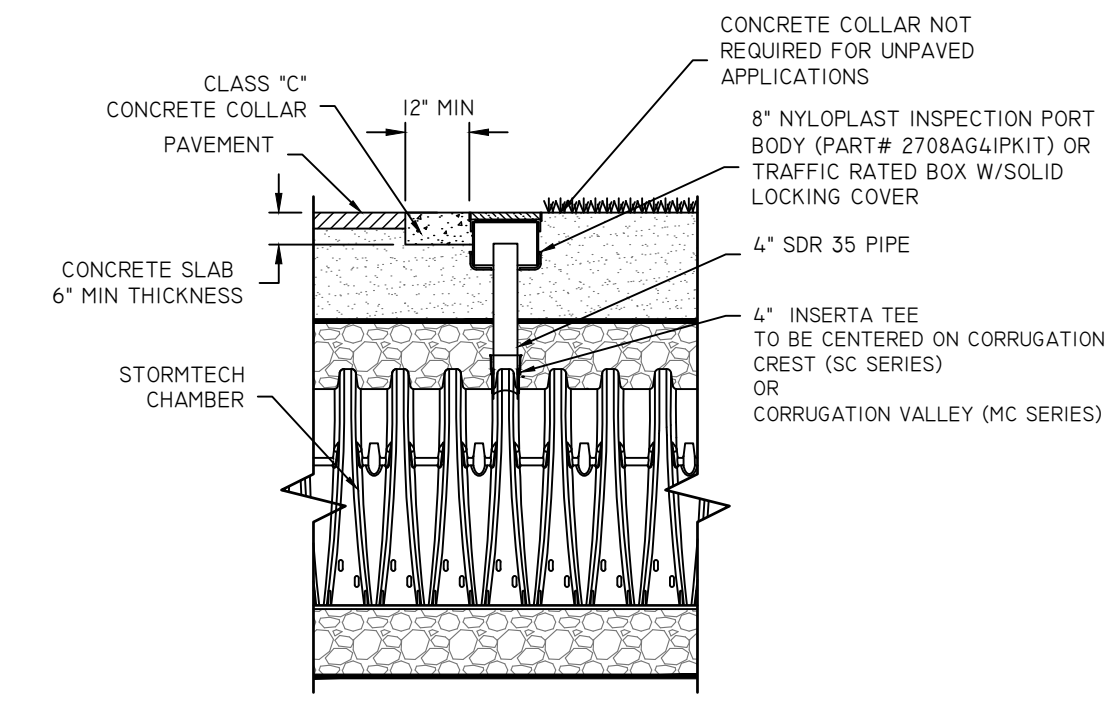
STORMTECH ISOLATOR ROW PLUS DETAIL - UIS-F

NOT TO SCALE



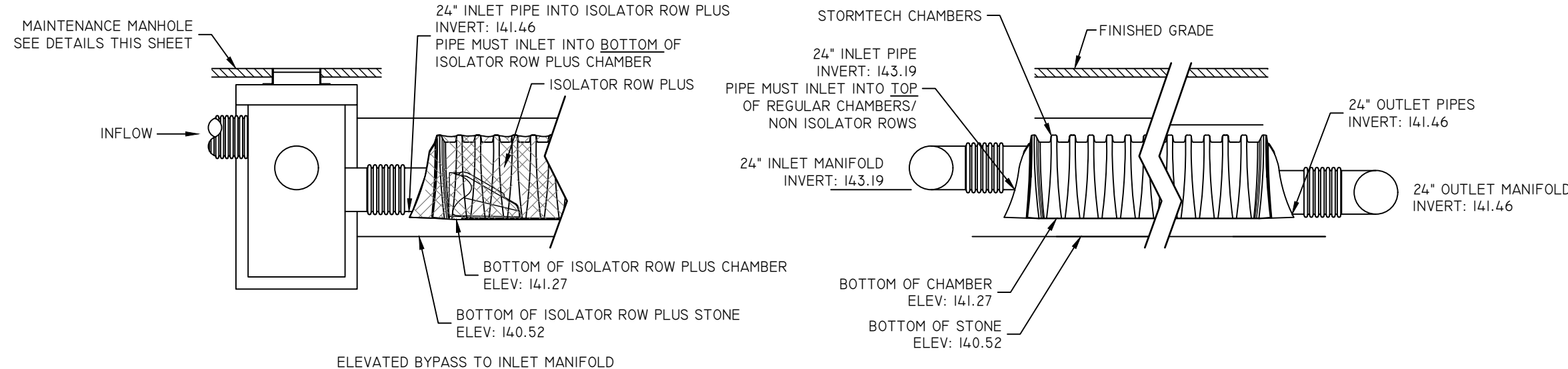
STORMTECH SCOUR PROTECTION DETAIL

NOT TO SCALE



STORMTECH 4" INSPECTION PORT DETAIL

NOT TO SCALE



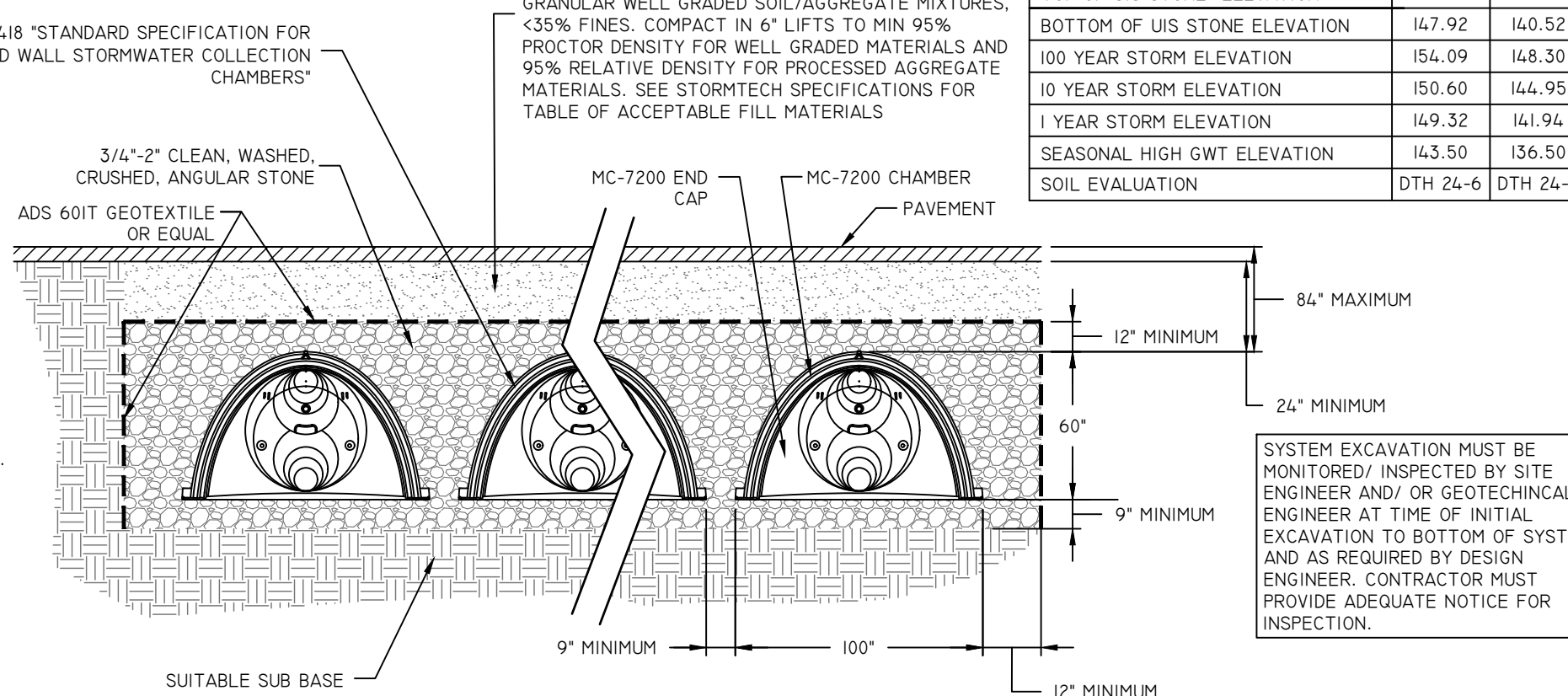
STORMTECH ELEVATIONS - UIS-F

NOT TO SCALE

CHAMBERS SHALL MEET ASTM F2418 'STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS'

NOTES:

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



STORMTECH MC-7200 TYPICAL CROSS SECTION

NOT TO SCALE

DESCRIPTION	UIS-E	UIS-F
TOP OF UIS STONE ELEVATION	154.67	147.27
BOTTOM OF UIS STONE ELEVATION	147.92	140.52
100 YEAR STORM ELEVATION	154.09	148.30
10 YEAR STORM ELEVATION	150.60	144.95
1 YEAR STORM ELEVATION	149.32	141.94
SEASONAL HIGH GWL ELEVATION	143.50	136.50
SOIL EVALUATION	DTH 24-6	DTH 24-6

CONTRACTOR NOTE: SHOULD CONTRACTOR WISH TO PROPOSE ALTERNATE STORMWATER SYSTEM IN LIEU OF ADS STORMTECH, CONTRACTOR MUST SUBMIT THE FOLLOWING FOR REVIEW AND APPROVAL BY OWNER/ DESIGN ENGINEER PRIOR TO CONSTRUCTION:

- COMPLETED "SUBSTITUTION REQUEST" CSI FORM 13.1A (APRIL 2022 VERSION MODIFIED BY DIPRETE ENGINEERING 2023) - FORM AVAILABLE FROM DIPRETE ENGINEERING.
- ALTERNATE PRODUCT DESIGN PLANS SPECIFIC TO THIS PROJECT, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THIS PROJECT.
- POINT BY POINT COMPARATIVE DATA THAT DEMONSTRATES HOW THE ALTERNATE DESIGN MEETS OR IMPROVES THE DESIGN SHOWN ON THE APPROVED PLANS AND REPORTS, INCLUDING (BUT NOT LIMITED TO):
 - STAGE STORAGE
 - PEAK FLOOD ELEVATION
 - PEAK DISCHARGE FOR ALL APPLICABLE DESIGN STORMS AS SET FORTH IN THE APPROVED PLANS, REPORTS AND CONTRACT DOCUMENTS
 - ANY OTHER APPLICABLE REQUIREMENTS OR CONSTRAINTS AS SET FORTH IN THE APPROVED PLANS, REPORTS AND CONTRACT DOCUMENTS
- POINT BY POINT COMPARATIVE DATA THAT DEMONSTRATES HOW THE ALTERNATE DESIGN ADDRESSES SITE LAYOUT/ CONNECTIVITY TO THE ADJOINING STORMWATER NETWORK COMPONENTS, INCLUDING (BUT NOT LIMITED TO):
 - PROVISION FOR ACCESS AND MAINTENANCE
 - ADEQUATE CONSTRUCTABILITY
 - ACCOMMODATION OF SURROUNDING OBJECTS/ STRUCTURES/ UTILITIES IN ACCORDANCE WITH ALL APPLICABLE OFFSETS, CLEARANCES AND STIPULATIONS AS REQUIRED BY THE APPLICABLE AUTHORITIES HAVING JURISDICTION

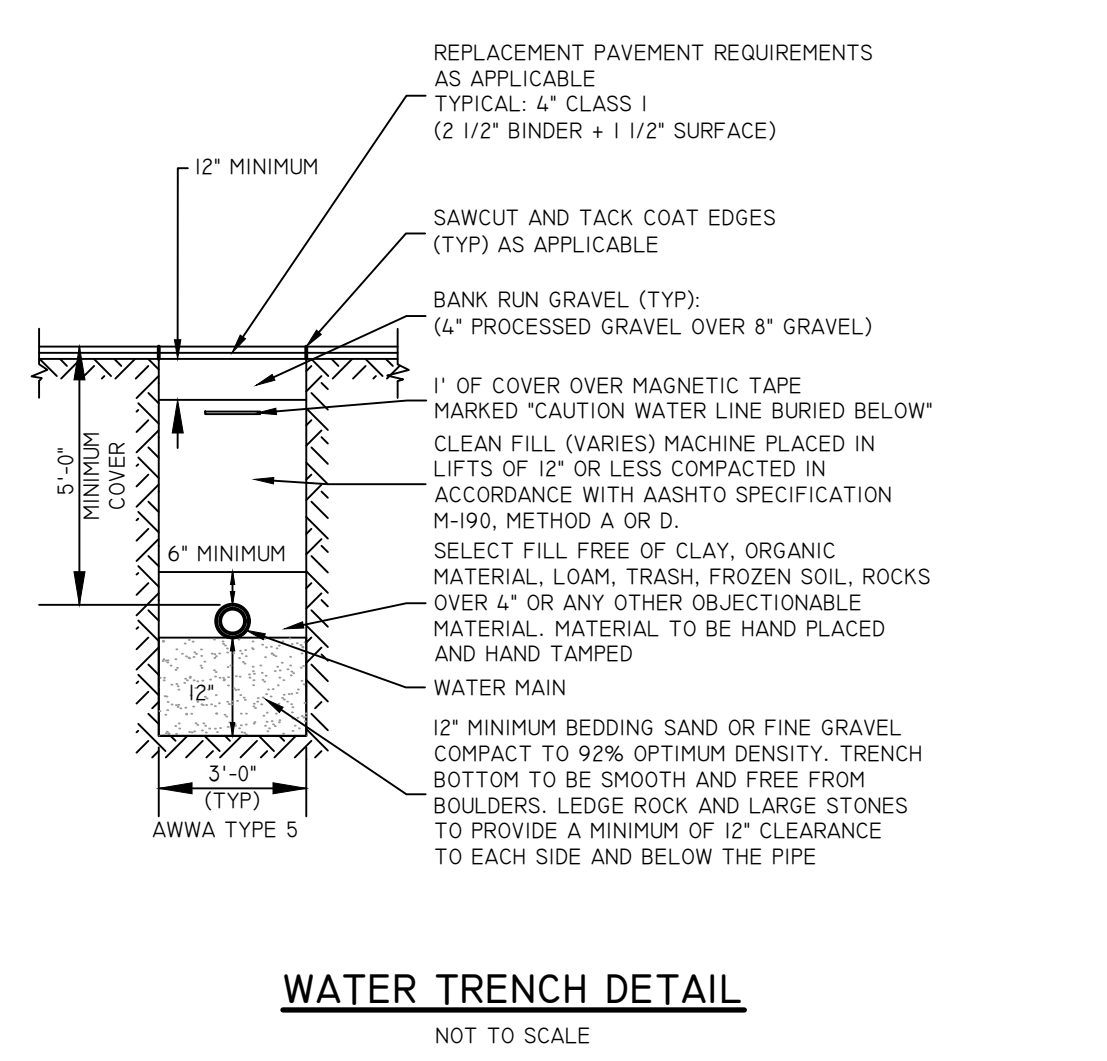
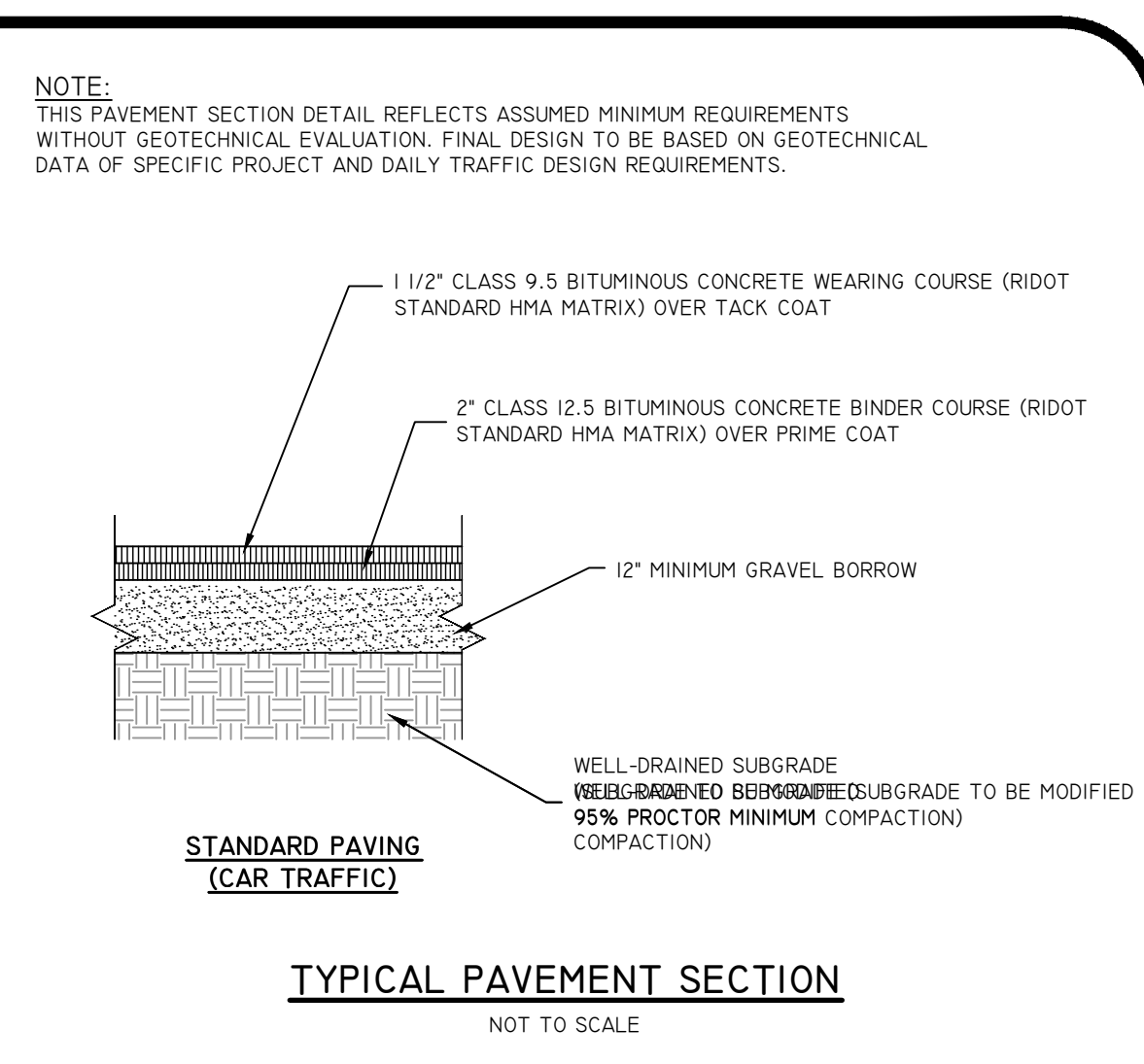
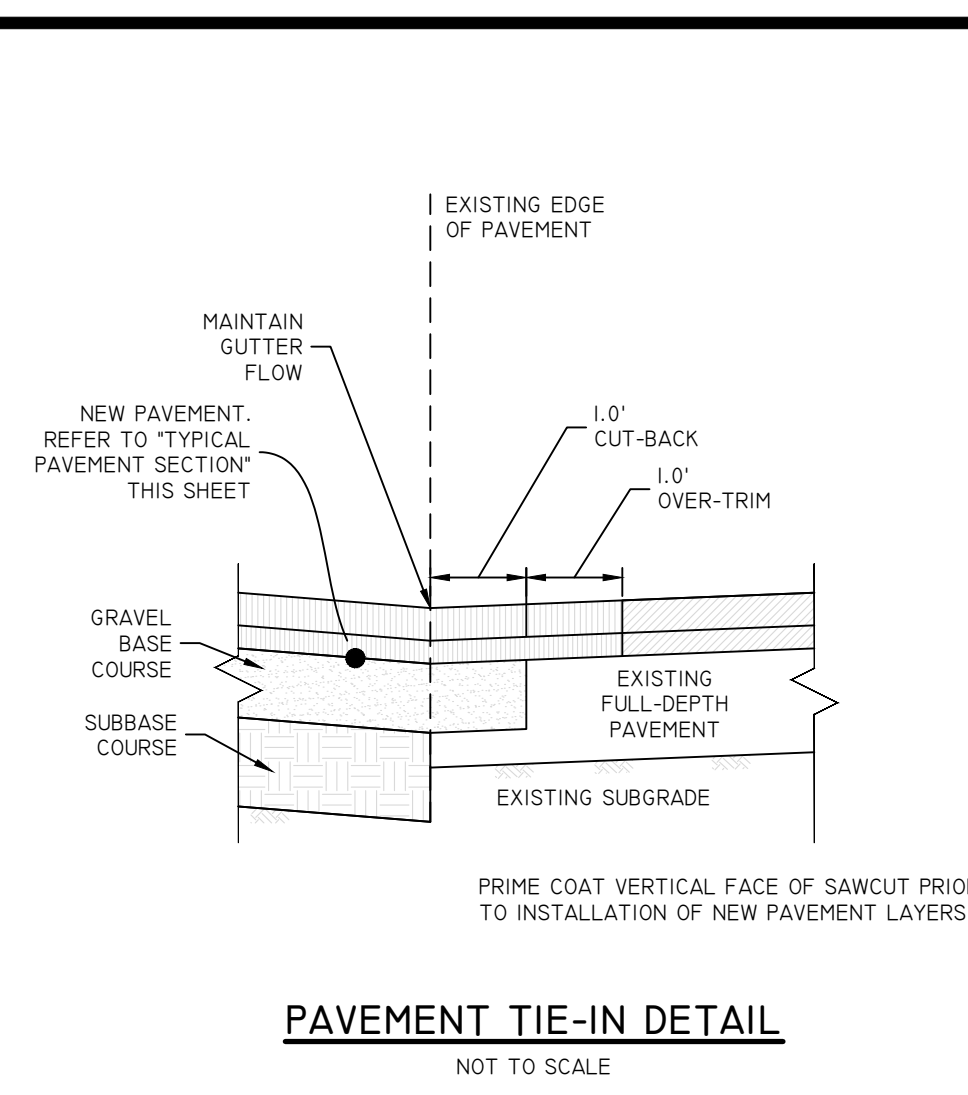
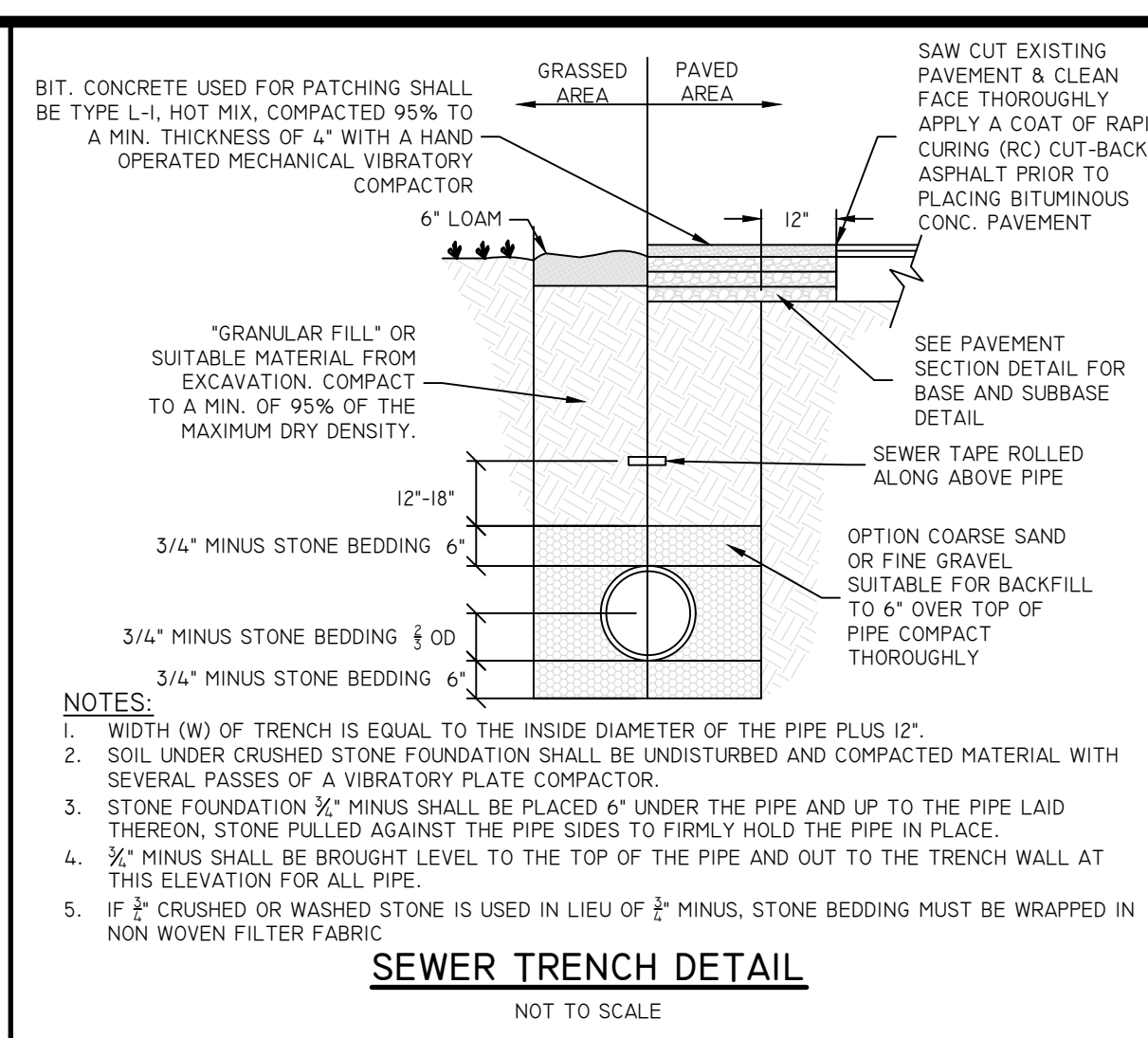
APPLICATION FOR SUBSTITUTION

NOT TO SCALE



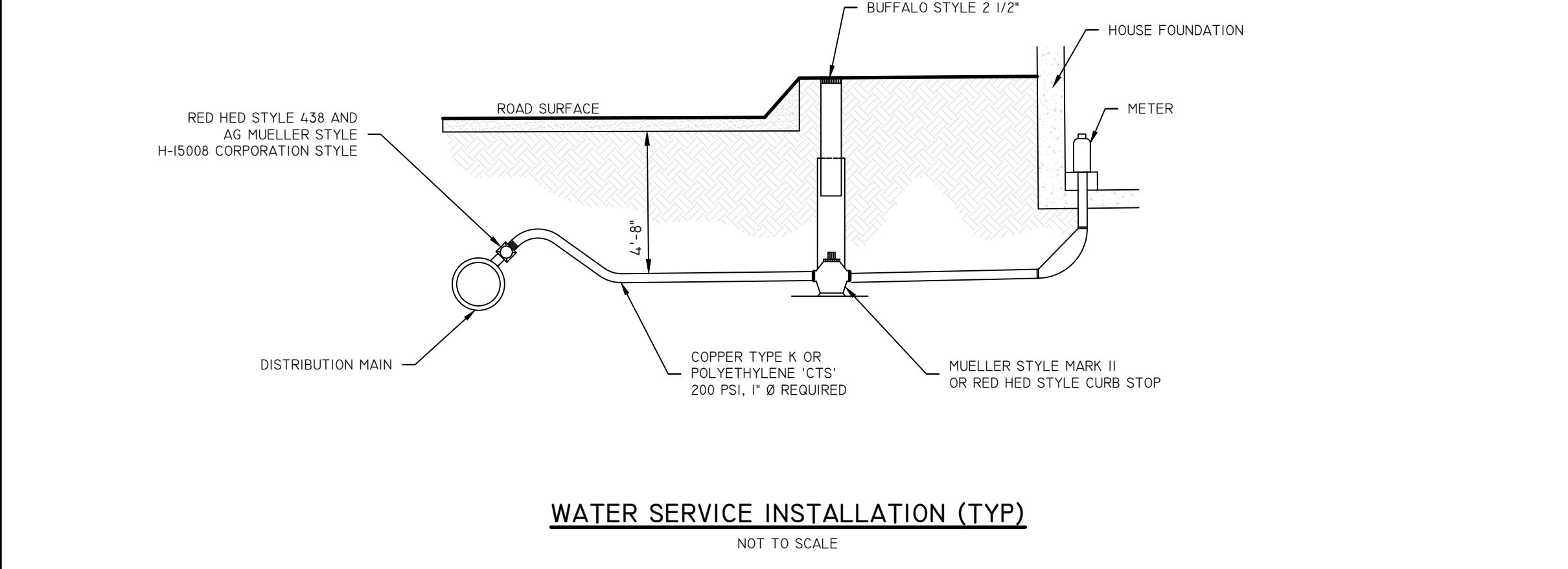
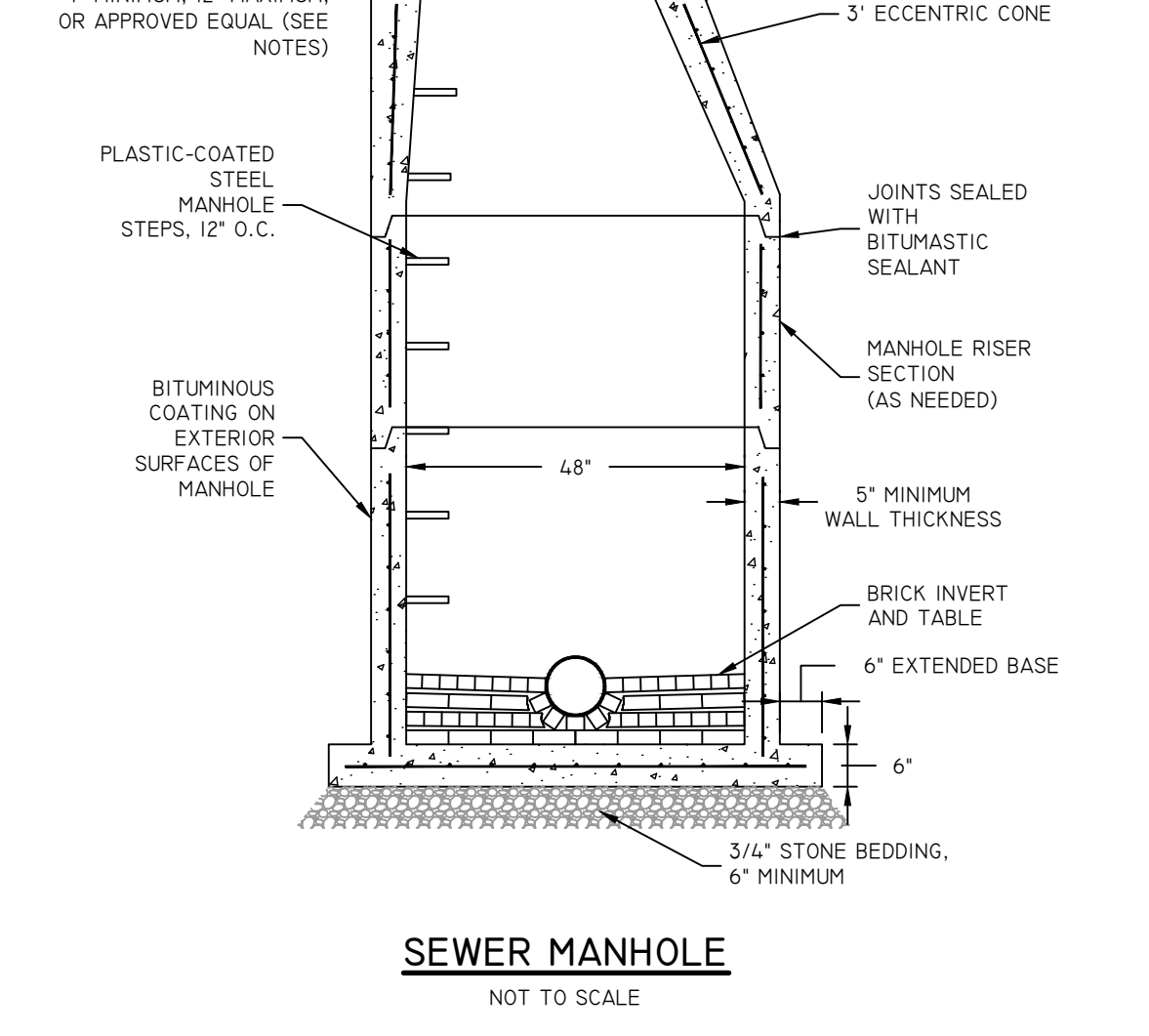
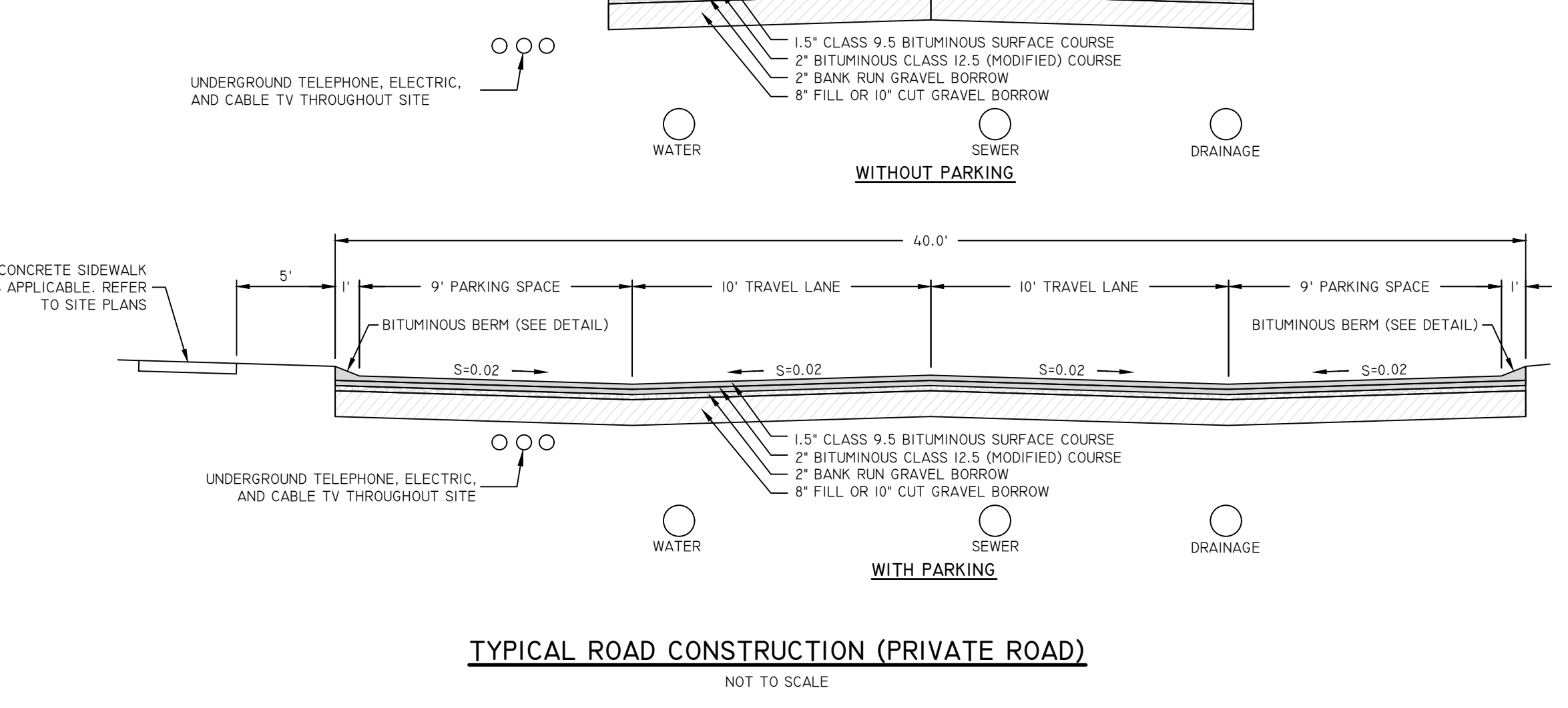
THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES. A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN. DIPRETE ENGINEERING ONLY WARRANTS THE PLANS ON A DIPRETE ENGINEERING PROJECT. DIPRETE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY OTHER PARTY'S USE OF THIS PLAN. DIPRETE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY OTHER PARTY'S USE OF THIS PLAN. DIPRETE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY OTHER PARTY'S USE OF THIS PLAN.

NO.	DATE	DESCRIPTION	J.A.R.	B.T.
1	05/22/2024	PREPARE SUBMISSION	J.A.R.	B.T.
		DESIGN BY: N.M.P.		

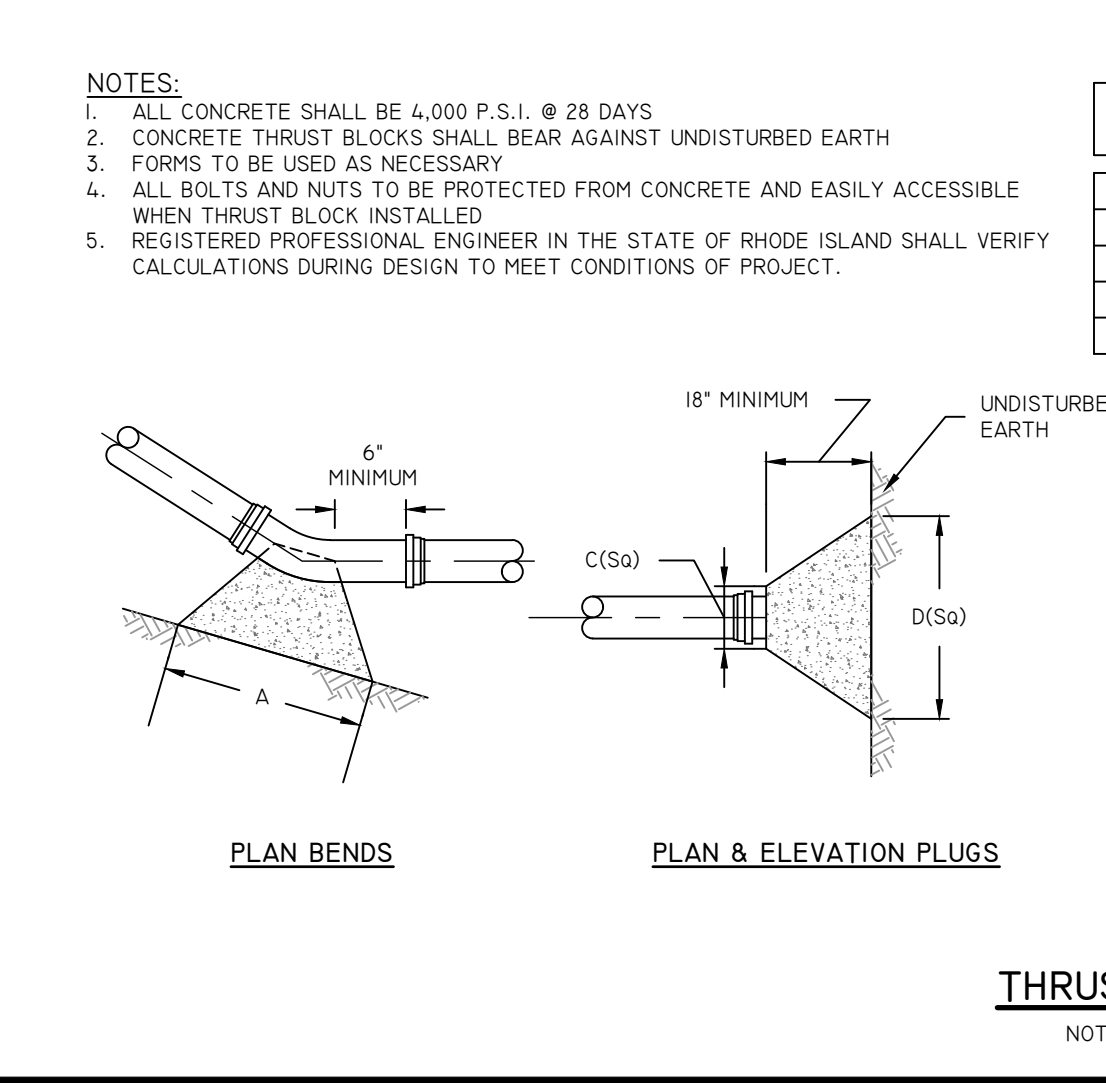
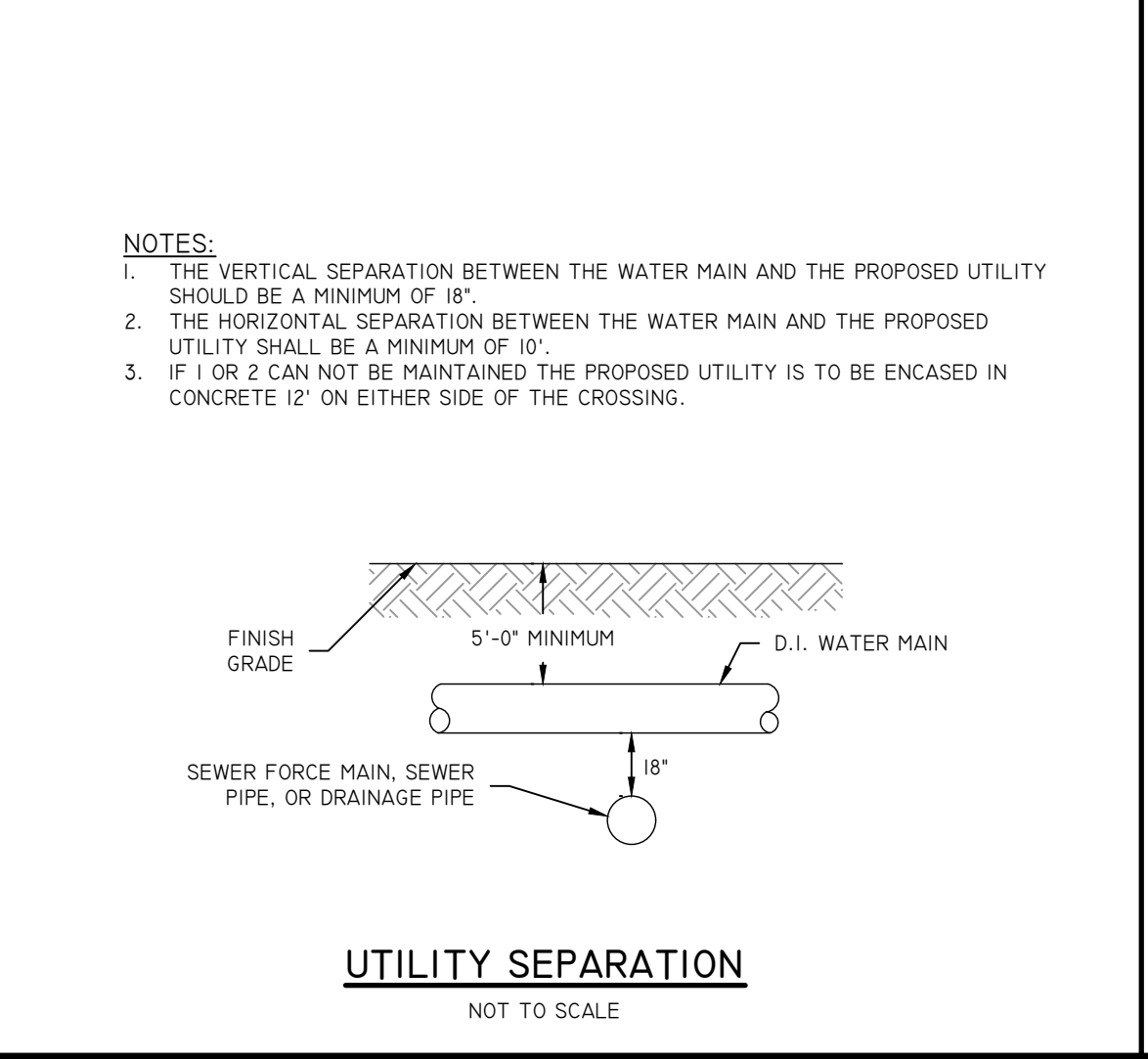
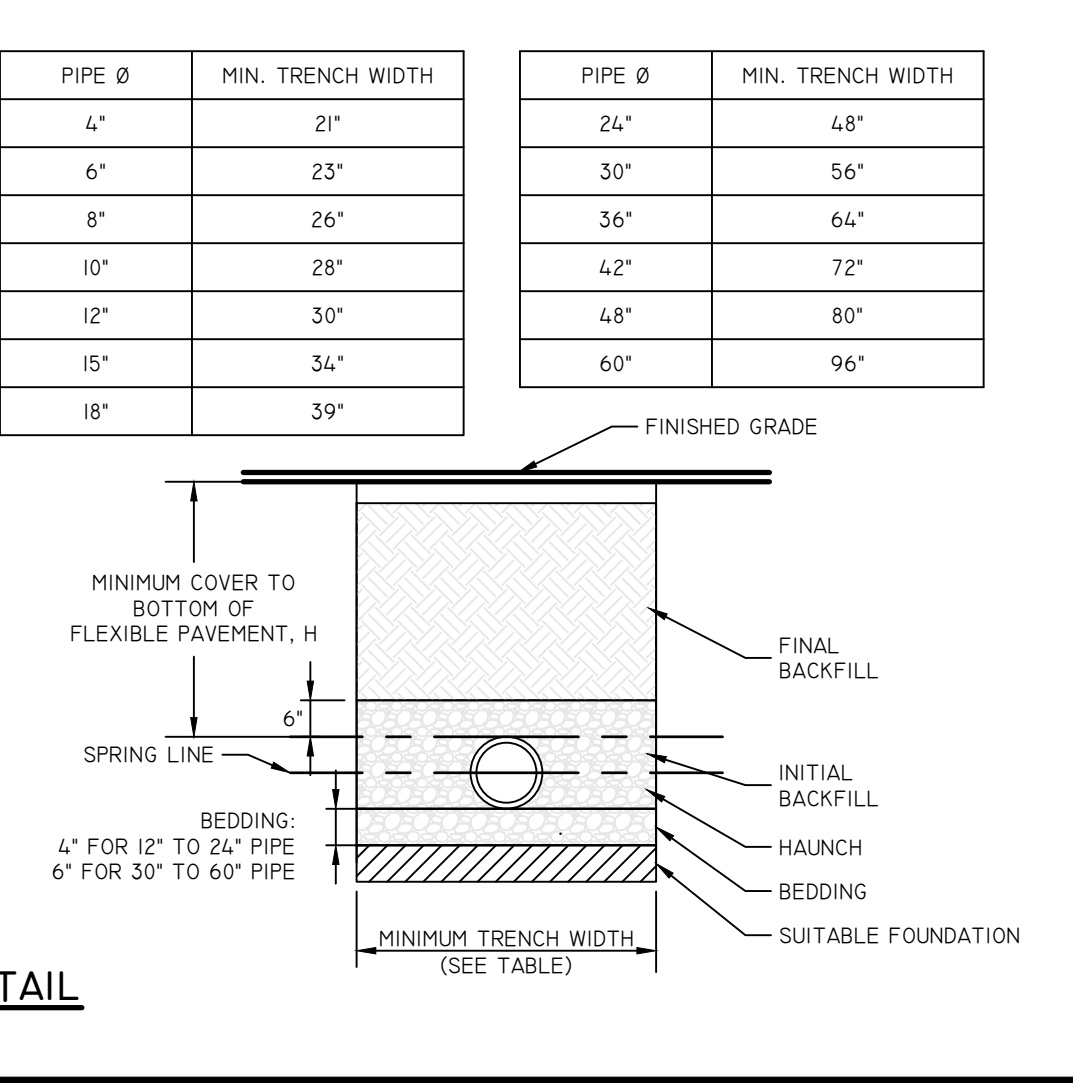


- GENERAL NOTES:**
- ROADWAY CROSS SECTION AND MATERIALS SHALL CONFORM TO TOWN STANDARDS FOR ROAD CONSTRUCTION AND UTILITY LOCATIONS.
 - WATER MAIN LOCATION SUBJECT TO APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
 - STORM DRAIN MATERIALS AND METHODS SHALL CONFORM TO APPLICABLE TOWN AND RIDOT STANDARDS.
 - FIRE ALARMS ARE REQUIRED AND SHALL BE INSTALLED ACCORDING TO TOWN FIRE DEPARTMENT REQUIREMENTS.
 - UNDERGROUND UTILITY TRENCH CONSTRUCTION TO CONFORM TO THE NATIONAL GRID "DEVELOPER/CONTRACTOR/CUSTOMER RESPONSIBILITIES AND CONSTRUCTION SPECIFICATIONS FOR UNDERGROUND RESIDENTIAL DEVELOPMENTS".
 - SEWER FORCE MAIN SEPARATION TO WATER MAIN: 10' HORIZONTAL OR 2' VERTICAL BELOW WATER MAIN.
- CONSTRUCTION NOTES:**
- CLEARING AND GRUBBING: ALL ROOT SYSTEMS, TREES, STUMPS, BUSHES, AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED AND DISPOSED OF AS INDICATED BY THE MUNICIPAL ENGINEER. HEALTHY TREES WITHIN THE RIGHTS-OF-WAY WIDTH AND OUTSIDE THE PAVEMENT WIDTH MAY BE LEFT STANDING, PROVIDED SAID TREES ARE NOT MORE THAN 5' FROM THE RIGHT-OF-WAY LINE, EXCEPT WHERE SIDEWALKS ARE REQUIRED.
 - EARTH EXCAVATIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE REMOVAL OF CLAY, SAND, GRAVEL, LOAM, SOFT OR DISINTEGRATED ROCK WHICH CAN BE REMOVED WITHOUT BLASTING; BOULDERS OF LESS THAN 1/2 CUBIC YARD IN VOLUME; AND, OTHER UNACCEPTABLE MATERIALS WITHIN THE LIMITS OF ROADWAY, DRAINAGE, OR OTHER EXCAVATION.
 - ROCK AND LEDGE EXCAVATION SHALL INCLUDE REMOVAL AND DISPOSAL OF ALL BOULDERS OF 1/2 CUBIC YARD OR MORE IN VOLUME AND ALL HARD LEDGE ROCK WHICH CAN BE REMOVED ONLY BY DRILLING AND SPLITTING MECHANICALLY BY HAND OR BLASTING.
 - WHERE GROUND WATER IS ENCOUNTERED WITHIN 5' OF FINISHED GRADE AS DETERMINED BY RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, "GROUND WATER PROCEDURES", DURING THE WET SEASON, ADEQUATE SUBSURFACE DRAINAGE SHALL BE CONSTRUCTED TO LOWER THE GROUND WATER LEVEL TO A DEPTH OF AT LEAST 5' BELOW FINISHED GRADE.
 - PAVEMENT SHALL BE CONSTRUCTED SO AS TO PROVIDE A MINIMUM CROSS SECTION AFTER COMPACTION OF 8" GRAVEL BORROW BASE COURSE SUBBASE IN FILL AND 10" GRAVEL BORROW BASE COURSE IN CUTS WITH 2" OF CRUSHED BANK RUN GRAVEL BORROW (MEETING TOWN SPECIFICATIONS) AND HOT-MIX ASPHALTIC AND BITUMINOUS CONCRETE MATERIALS CONFORMING TO R.I. STANDARD SPECIFICATIONS.

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



- 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. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.
- MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**
- | PIPE Ø | SURFACE LIVE LOADING CONDITION | |
|-----------|--------------------------------|------------------------------------|
| | H-25 | HEAVY CONSTRUCTION (75T AXLE LOAD) |
| 12" - 48" | 12" | 48" |
| 60" | 24" | 60" |
- *VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER.
**SEE BACKFILL REQUIREMENTS IN NOTE 6.



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

Diprete Engineering
Engineers - Planners - Surveyors
www.diprete-eng.com
Two Stafford Court, Cranston, RI 02920 • Tel: 401-943-1000

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

THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE USER TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS OF ANY OTHER PARTY. DIPRETE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY DESIGN ERRORS, OMISSIONS, OR INADEQUACIES IN THE DESIGN OR CONSTRUCTION OF ANY PROJECT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF ANY UTILITIES SHOWN ON THIS PLAN. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DATE: 05/22/2024
SUBMISSION: [Signature]
DESIGN BY: J.A.R.
DRAWN BY: J.A.R.

DETAIL SHEET - 2
CHAMPAGNE HEIGHTS
ASSESSORS PLAT 48-1 LOT 8
SOUTH KINGSTOWN, RHODE ISLAND
ZONED: G1-GOVERNMENT AND INSTITUTIONAL
PREPARED FOR:
SKRA SERVICES & DEVELOPMENT CORPORATION
364 CURTIS CORNER ROAD
WAKEFIELD, RHODE ISLAND 02879

SHEET 16 OF 16

Z:\DEPARTMENT\PROJECTS\1083-001\CURTIS CORNER ROAD SHA\AUTOCAD DRAWINGS\3.003-001\CVAR.DWG PLOTTER: 10/17/2024