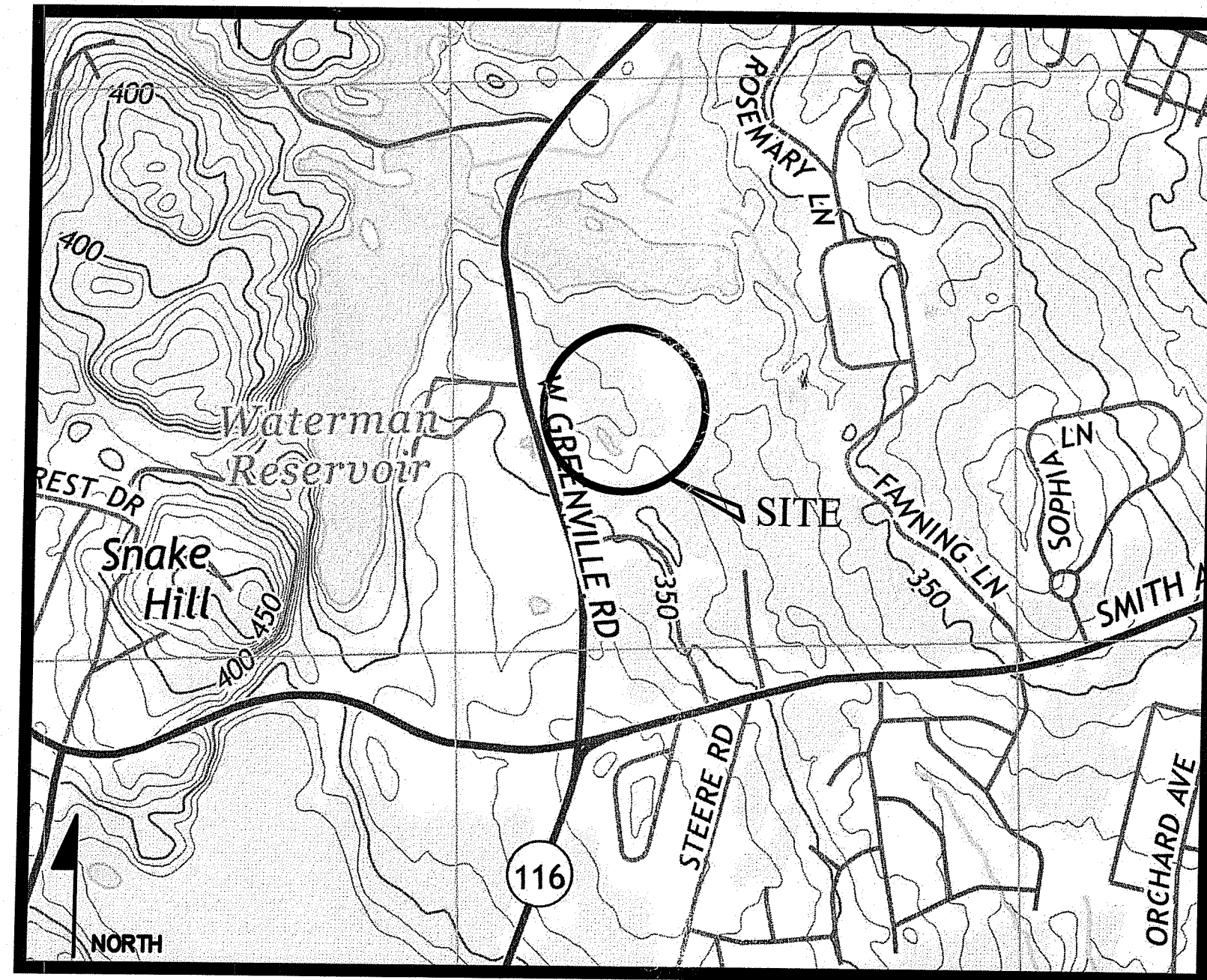


PERMIT SUBMISSION
 SITE PLANS
 FOR
**THE RESIDENCES AT
 GREENVILLE FARMS**

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: MAR 20 2025 FILE #: 23-0148
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin B. Wenzel

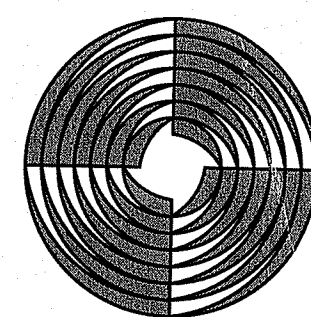
A.P. 44, LOT 82
 89 WEST GREENVILLE ROAD
 SMITHFIELD, RI 02828



LOCUS MAP
 NOT TO SCALE

PREPARED FOR (OWNER/ APPLICANT):
WEST GREENVILLE ROAD, LLC
 39 NOOSENECK HILL ROAD
 WEST GREENWICH, RI 02817

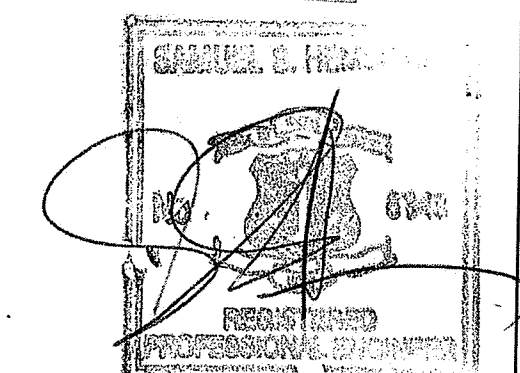
SHEET INDEX		
SHEET	PLAN TITLE	LATEST REVISION
-	COVER SHEET	
C-1	GENERAL NOTES & LEGEND	
C-2	SHEET INDEX PLAN	
C-3	OVERALL PLAN	
C-4	ROAD PROFILE PLAN - 1	10/20/23
C-5	ROAD PROFILE PLAN - 2	12/15/23
C-6	ROAD PROFILE PLAN - 3	10/20/23
C-7	ENTRANCE LAYOUT	
C-8	GRADING PLAN - 1	12/15/23
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C-10	STORMWATER BMP PLANS	12/15/23
C-11	STREAM CROSSING ENLARGED PLANS	12/15/23
C-12	SEDIMENT & EROSION CONTROL PLAN - 1	12/15/23
C-13	SEDIMENT & EROSION CONTROL PLAN - 2	
C-14	DETAILS - 1	
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C-16	DETAILS - 3	12/15/23
C-17	DETAILS - 4	
C-18	DETAILS - 5	
C-19	DETAILS - 6	
C-20	BUFFER AND BMP PLANTING PLAN - 1	12/15/23
C-21	BUFFER AND BMP PLANTING PLAN - 2	10/20/23



GAROFALO
 GAROFALO & ASSOCIATES, INC.
 CIVIL & STRUCTURAL ENGINEERS \ SURVEYORS
 LAND PLANNERS \ ENVIRONMENTAL SCIENTISTS
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 P.O. BOX 6145
 PROVIDENCE, RI 02940
 (PH) 401-273-6000 (FX) 401-273-1000

DATED:
JUNE, 2023
 (REVISED: 12/15/2023)

RI Department of Environmental Management
 JAN 9 1 2024
 Office of Water Resources



GENERAL CONSTRUCTION NOTES:

- AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE TRAILER AT ALL TIMES. DEVIATIONS OR CHANGES WILL NOT BE ALLOWED UNLESS BY WRITTEN APPROVAL FROM THE ENGINEER.
- SITWORK CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL APPROVALS FROM THE TOWN OF SMITHFIELD HAVE BEEN SECURED. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS OBTAINED FOR ALL SITE WORK.
- ALL IMPROVEMENTS INDICATED HEREON MUST COMPLY WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINE (ADAAG)", NOTE THAT THE DETAIL CONTAINED WITHIN THIS PLAN MAY NOT SHOW THE DETAIL NECESSARY TO CONSTRUCT WALKWAYS, RAMPS AND SPACES TO COMPLY WITH THE ADAAG REQUIREMENTS BUT THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LEVEL OF CARE NECESSARY TO BE CERTAIN THAT THE CONSTRUCTED PRODUCT MEETS THESE STANDARDS.
- THE CONTRACTOR MUST RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR IN THE STATE OF RHODE ISLAND TO LAYOUT ON THE GROUND ALL NEW ELEMENTS OF WORK. IF ANY WORK IS INSTALLED PRIOR TO THE ABOVE REQUIREMENT AND IF ANY WORK IS NOT SATISFACTORY TO THE ENGINEER, THE CONTRACTOR MUST REPLACE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SITE CONDITIONS AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING, INSTALLING OR PROCEEDING WITH WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER NECESSARY MEASURES NEEDED TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING UNDERGROUND UTILITIES AND FACILITIES ON THE DRAWINGS; HOWEVER, THE INFORMATION SHOWN IS FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE ANY EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION, VERIFY ALL DIMENSIONS, SITE CONDITIONS AND MATERIALS. THE CONTRACTOR MUST CONTACT THE LOCAL UTILITY COMPANIES FOR EXACT LOCATION OF UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE START OF ANY WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.
- THE CONTRACTOR MUST NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITIES IN THE AREA OF PROPOSED CONSTRUCTION, EXCAVATION OR BLASTING AT LEAST THREE WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO THE START OF ANY CONSTRUCTION, EXCAVATION OR BLASTING. ALL WATER, SEWER, GAS AND ALL OTHER UTILITIES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS MUST CONFORM TO THE TOWN OF SMITHFIELD CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS AND THE STATE OF RHODE ISLAND DEPARTMENT OF TRANSPORTATION, THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AS AMENDED, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF, AS IF ATTACHED HERETO.
- THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PAVEMENT, DRIVEWAYS, SIDEWALKS, WALL, CURBS, ETC. DAMAGED DURING CONSTRUCTION WITH MATCHING MATERIALS.
- THE CONTRACTOR AGREES THAT HE WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE PROJECT SITE CONDITIONS THROUGHOUT CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONJUNCTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- ALL MATERIALS USED FOR CONSTRUCTION MUST BE NEW AND FREE OF DEFECTS. USED OR SALVAGED MATERIAL WILL NOT BE ALLOWED UNLESS WRITTEN APPROVAL FROM THE OWNER IS OBTAINED BY THE CONTRACTOR.
- AT ALL TIMES THE CONTRACTOR MUST MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS. (I.E. IN TIMES OF RAIN OR SNOW, ROADS MUST BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE, ETC.). WIDTH OF EMERGENCY VEHICLE ACCESS MUST BE A MINIMUM OF 20 FEET WIDE. ACCESS TO BUILDINGS THAT HAVE A FIRE SPRINKLER SYSTEM OR STANDPIPE MUST BE WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTION (FDC). NFPA 1141 3-1.
- NECESSARY BARRICADES, LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC MUST BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR.
- HIGH INTENSITY LIGHTING FACILITIES MUST BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
- ALL RI HIGHWAY BOUNDS AND PERMANENT SURVEY MARKERS SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009 INCLUDING ALL REVISIONS.
- REFER TO ARCHITECTURAL, STRUCTURAL, AND MECHANICAL PLANS FOR ALL BUILDING INFORMATION, AND FOR SITEWORK WITHIN 5'-0" OF BUILDING.
- ALL CURB RADII ARE 3' UNLESS OTHERWISE NOTED ON THE SITE PLAN.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR IS REQUIRED TO DEVELOP AND IMPLEMENT A PLAN FOR THE TEMPORARY CONTROL OF VEHICULAR AND PEDESTRIAN TRAFFIC FOR WORK WITHIN PUBLIC STREET RIGHT-OF-WAY AT THE SITE EGRESS. CONTRACTOR SHALL OBTAIN APPROVAL OF SAID PLAN FROM APPROPRIATE STATE AND COMMUNITY PUBLIC SAFETY OFFICIALS.
- WHEN IT IS NECESSARY TO CLOSE OFF A STREET, THE FIRE DEPARTMENT AND POLICE DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR.
- SHOP DRAWINGS OF PRECAST STRUCTURES SHALL BE REVIEWED BY THE ENGINEER AND APPROVED BEFORE USE.
- IF ANY EXISTING STRUCTURES AND/OR UTILITIES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, EITHER ON THE PROJECT SITE, ADJACENT PROPERTIES, OR WITHIN STATE RIGHT-OF-WAY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL WORK TO BE DONE WITHIN THE ROAD BRIDGE OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION (AMENDED MARCH 2018) WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1998 EDITION (AMENDED JUNE 2019) WITH ALL REVISIONS.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION, INCLUDING ALL REVISIONS.
- CULVERT, WINGWALLS, AND FOUNDATION COMPONENTS INDICATED ARE PROVIDED FOR DIMENSIONAL INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE FINAL DESIGN AND DETAILS OF THE COMPONENTS PREPARED BY A PRECAST CONCRETE MANUFACTURER. FINAL DRAWINGS AND DESIGN CALCULATIONS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN RHODE ISLAND.

SURVEY REFERENCE:

- THE EXISTING CONDITIONS AND WETLANDS INDICATED ARE BASED SURVEY TITLED "SURVEY & LOCATION PLAN PREPARED FOR KREG MANAGEMENT; LOCATION: A.P. 44/ LOT 82, 89 WEST GREENVILLE ROAD, SMITHFIELD, RI, DATED 8-18-2021." WITH SUPPLEMENTAL AERIAL TOPOGRAPHY AND RESOURCE DELINEATIONS. PREPARED BY E. GREENWICH SURVEYORS, LLC.

GENERAL UTILITY NOTES:

- THE CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888-344-7233) AND ALL LOCAL AUTHORITIES & UTILITY COMPANIES TO VERIFY LOCATIONS OF UTILITIES WITHIN THE AREA 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR DEMOLITION FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, LOCATE AND PROTECT EXISTING UTILITIES IN THE FIELD WHETHER OR NOT SHOWN ON THE DRAWINGS.
- ALL WORK SHALL BE IN COMPLETE ACCORDANCE WITH ALL APPLICABLE STATE, FEDERAL AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
- THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBANCE OF CURBING, PAVING AND COMPACTED SUBGRADE. THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER & ALL LOCAL UTILITY COMPANIES 48 HOURS BEFORE EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS DISCOVERED IN THE PLANS.
- BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREA. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.
- THE CONTRACTOR SHALL REMOVE ANY ABANDONED FOUNDATIONS, UTILITY STRUCTURES, BURIED DEBRIS ETC. WHICH INTERFERE WITH THE INSTALLATION OF THE UTILITY WORK. ALL SUCH STRUCTURES SHALL BE COMPLETELY REMOVED AND THE EXCAVATED AREA SHALL BE BACKFILLED WITH COMPACTED GRAVEL IN 6" LIFTS TO 95% COMPACTION TO 6" BELOW THE BOTTOM OF THE UTILITY AND PIPE.
- COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTION TO THE DENSITY OF 95% OF THE THEORETICAL MAXIMUM DRY DENSITY (ASTM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED IN LIFTS NOT TO EXCEED ONE FOOT IN COMPACTED FILL THICKNESS. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF PROJECT APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL PIPING LAYOUT INDICATED ON THESE PLANS IS DIAGRAMMATIC ONLY AND DOES NOT SHOW ALL THE REQUIRED FITTINGS FOR PROPER ALIGNMENT. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS TO OBTAIN PROPER ALIGNMENT AND FOR EXISTING UTILITY CONNECTIONS BASED UPON FIELD CONDITIONS.
- IF DURING EXCAVATION THE TRENCH WIDTH EXCEEDS THE SUM OF THE PIPE O.D. PLUS 2'-0", PLACE AND COMPACT THE FILL TO 12" ABOVE THE PIPE AND RE-EXCAVATE TO REQUIRED GRADE.
- STORM DRAINS 12" AND OVER SHALL BE SMOOTH INTERIOR WALL AND EXTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) PIPE CAPABLE OF WITHSTANDING (H-20) LOAD UNLESS NOTED OTHERWISE. PIPE SHALL BE JOINED USING BELL & SPIGOT JOINTS MEETING OR EXCEED ASTM F2648. THE JOINT SHALL BE SOIL-TIGHT AND GASKETS SHALL MEET OR EXCEED ASTM F477. HDPE PIPE SHALL BE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS INC. (ADS), HANGCOR PIPE OR LANE PIPE. ALL STORM DRAINAGE PIPING SHALL BE LAID ON A SMOOTH CONTINUOUS GRADE WITH NO VISIBLE BENDS AT THE JOINTS. WHERE INDICATED ON DRAWINGS REINFORCED CONCRETE PIPE (RCP) PIPE SHALL BE CLASS III RCP WITH "O" RING GASKET JOINTS. ALL STORM PIPE ENTRY STRUCTURES SHALL BE GASKETED.
- WHENEVER UTILITIES ARE TO BE INSTALLED WITHIN THE TOWN OF SMITHFIELD PUBLIC OR PRIVATE RIGHT OF WAYS, THE TRENCH MUST BE BACKFILLED WITH GRANULAR FILL. ALL AREAS OF ROADWAY PAVEMENT & WALKWAYS DISTURBED DURING CONSTRUCTION SHALL BE RE-PAVED PER THE TOWN OF SMITHFIELD AND STATE STANDARDS AND SPECIFICATIONS.
- DOMESTIC AND FIRE PROTECTION WATER SERVICE IS PROVIDED TO THE PROPERTY BY GREENVILLE WATER. ALL ONSITE AND OFFSITE WATER SYSTEM MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE THE GREENVILLE WATER "REQUIREMENTS FOR SERVICE AND MAIN INSTALLATION WITH STANDARD DETAILS" UNLESS OTHERWISE APPROVED OR DIRECTED BY THAT AGENCY. NOTIFICATION SHALL BE PROVIDED TO SAID AUTHORITIES AT LEAST 72 HOURS PRIOR TO INITIATING CONSTRUCTION. UNLESS OTHERWISE APPROVED, WATER PIPING AND SHALL BE (AWWA G901) DR9 POLYETHYLENE OR TYPE K COPPER FOR 2" SERVICES OR SMALLER, OR CLASS 52 DOUBLE CEMENT LINED DUCTILE IRON PIPE WITH TYTON JOINTS FOR 4" SERVICES OR LARGER. ALL BENDS, TEES ETC. SHALL BE JOINT RESTRAINED BY THE USE OF CONCRETE THRUST BLOCKS AND "MEG-A-LUG".
- ALL FIRE AND PLUMBING FIXTURES MUST CONFORM TO LOCAL SPECIFICATIONS AND AS STIPULATED BY THE LOCAL FIRE MARSHALL AND/OR THE BUILDING OFFICIAL.
- ALL SANITARY SEWER MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE INSTALLATION AND TESTING OF SANITARY SEWERS SHALL CONFORM TO THE SEWER DEPARTMENT REGULATIONS, STANDARDS AND SPECIFICATIONS. ALL SEWER SYSTEM COMPONENTS MUST BE TESTED, CLEANED AND AS-BUILT INFORMATION MUST BE SUBMITTED TO THE NBC AND APPROVED, PRIOR TO ISSUANCE OF A PERMIT TO DISCHARGE TO THE PUBLIC SEWER SYSTEM.
- SANITARY SEWER MAINS AND SERVICES SHALL BE SDR-35 (ASTM D-3034) PVC SEWER PIPE WITH PUSH ON RUBBER RING JOINTS UNLESS NOTED OTHERWISE. CLEANOUTS SHALL BE INSTALLED AT BUILDING FACE (REFER TO PLUMBING PLANS FOR ALL WORK WITHIN 5' OF THE BUILDING). NEOPRENE COUPLINGS WITH STAINLESS STEEL BAND AND SHEER RINGS SHALL BE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES.
- SANITARY SEWER MAINS AND SERVICES SHALL BE INSTALLED WITH CHECK VALVE AND CLEANOUT.
- SEWER LINES SHALL BE INSTALLED AT A MINIMUM 10 FOOT HORIZONTAL SEPARATION FROM ANY PROPOSED OR EXISTING WATER LINE. CONTRACTOR SHALL INSTALL CLEANOUT AT THE BUILDING FACE. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE NBC REQUIREMENTS.
- WHENEVER SEWER LINES MUST CROSS WATER LINES, THE SEWER SHALL BE INSTALLED SO THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. WHERE 18 INCH VERTICAL SEPARATION AND 10 FOOT HORIZONTAL SEPARATION CAN NOT BE MET AT WATER AND SEWER CROSSINGS, THE SEWER PIPE SHALL BE ENCASED IN CONCRETE OR BE EITHER DUCTILE IRON OR C900 BLUE BRUTE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF CROSSING.
- GAS SERVICE FACILITIES SHALL BE DESIGNED BY OTHERS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE UTILITY INSTALLATIONS AS REQUIRED TO ENSURE ADEQUATE GAS SERVICE IS PROVIDED, AND SHALL BE RESPONSIBLE FOR ALL INSTALLATION PROCEDURES (TRENCHING, LAYING PIPE, ETC.) AS ARE REQUIRED BY THE GAS COMPANY FOR COMPLETE AND IN PLACE CONSTRUCTION.
- ELECTRIC SERVICE FACILITIES SHALL BE DESIGNED BY OTHERS. ELECTRIC SERVICE AND TRANSFORMER PAD SHALL CONFORM TO THE REQUIREMENTS OF THE ELECTRIC COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ADEQUATE ELECTRIC SERVICE IS PROVIDED AND SHALL BE RESPONSIBLE FOR ALL INSTALLATION PROCEDURES (TRENCHING, LAYING PIPE, ETC.) AS ARE REQUIRED BY THE ELECTRIC COMPANY FOR COMPLETE AND IN PLACE CONSTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR ALL UNDERGROUND ELECTRIC.

GENERAL ROAD PREPARATION NOTES:

- METHODS AND MATERIALS USED FOR ONSITE ROAD CONSTRUCTION SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF TOWN OF SMITHFIELD AND THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- GRAVEL BORROW SHALL CONFORM TO STANDARD SPECIFICATION SUBSECTION M.01.0; TABLE 1, COLUMN 1B.
- SUB-SOIL FILLS SHALL BE COMPRISED OF SELECT GRANULAR MATERIALS, CLASSIFIED AS SM OR MORE GRANULAR BY ASTM D 2487 AND PLACED IN 12-INCH MAXIMUM LIFTS AND SHALL BE COMPACTION TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D699.

STORMWATER SYSTEM MAINTENANCE NOTES:

- THE DRAINAGE SYSTEMS ARE TO BE MONITORED THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT THE CONTRACTOR MUST DO A FINAL FULL MAINTENANCE & CLEAN UP OF THE STORMWATER MANAGEMENT SYSTEM AND THE SITE. UPON COMPLETION OF THE CONTRACTOR'S FINAL MAINTENANCE & CLEAN UP OF THE PROJECT, MONITORING OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE THE RESPONSIBILITY OF THE OWNER.

CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS: (RESPONSIBILITY OF CONTRACTOR)

- SILT BARRIER:**
MONITOR SILT BARRIER ON A WEEKLY BASIS AND AFTER EVERY RAIN STORM EVENT AND REPAIR OR REPLACE ANY DAMAGED AREAS IMMEDIATELY. IMMEDIATELY CLEAN THE SILT BARRIER IF SIX INCHES OR MORE OF SEDIMENT HAS ACCUMULATED ON THE HAYBALE & SILT BARRIER.
- PAVED AREAS:**
PARKING LOTS, PUBLIC & PRIVATE ROADWAYS AND GUTTERS SHALL BE SWEEPED CLEAN OF ALL SEDIMENT & DEBRIS. SWEEPING & REMOVAL OF DEBRIS SHALL BE PERFORMED ON A WEEKLY BASIS AT A MINIMUM.
- CATCH BASINS:**
ALL CATCH BASINS SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM EVENT. IMMEDIATELY CLEAN THE CATCH BASIN SUMP IF TWO FEET OR MORE OF SEDIMENT HAS ACCUMULATED WITHIN THE CATCH BASIN.
- DRAIN MANHOLES:**
DRAIN MANHOLES SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM EVENT. IMMEDIATELY CLEAN THE DRAIN MANHOLE IF ANY OF SEDIMENT HAS ACCUMULATED WITHIN THE DRAIN MANHOLE.
- STORMWATER BMPs:**
NO CONSTRUCTION RUNOFF SHALL BE DIRECTED TO STORMWATER BMPs UNTIL UPGRADIENT AREAS ARE STABILIZED.

POST CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS: (RESPONSIBILITY OF OWNER)

- PAVED AREAS:**
PARKING LOTS, ROADS AND ALL ACCESS WAYS AND GUTTERS MUST BE SWEEPED CLEAN OF ALL SEDIMENT AND DEBRIS ON BI-ANNUAL BASIS IN SPRING AND FALL OF EACH YEAR OR AS NECESSARY.
- CATCH BASINS:**
ALL CATCH BASINS MUST BE INSPECTED AND MAINTAINED ON A TWICE-ANNUAL BASIS IN MARCH AND OCTOBER OF EACH YEAR. CATCH BASINS MUST BE INSPECTED TO ENSURE THEY HAVE ADEQUATE SUMP CAPACITY, FRAMES AND GRATES ARE NOT DAMAGED, AND OIL/WATER SEPARATING DEVICES ARE IN PLACE. CATCH BASIN SUMPS ARE TO BE CLEANED OUT DURING BI-ANNUAL INSPECTIONS IN MARCH AND OCTOBER OF EACH YEAR. IMMEDIATELY CLEAN THE CATCH BASIN SUMP IF TWO FEET OR MORE OF SEDIMENT HAS ACCUMULATED WITHIN THE CATCH BASIN.
- RAIN MANHOLES:**
ALL DRAIN MANHOLES MUST BE INSPECTED AND MAINTAINED ON AN ANNUAL BASIS IN MARCH AND OCTOBER OF EACH YEAR. DRAIN MANHOLES MUST BE INSPECTED TO ENSURE FRAMES AND COVERS ARE NOT DAMAGED AND NO BLOCKAGES HAVE OCCURRED WITHIN THE MANHOLE. DRAIN MANHOLES ARE TO BE CLEANED OUT DURING BI-ANNUAL INSPECTIONS IN MARCH AND OCTOBER OF EACH YEAR. IMMEDIATELY CLEAN THE DRAIN MANHOLE IF ANY SEDIMENT HAS ACCUMULATED.
- STORMWATER MANAGEMENT FACILITIES - REFER TO OPERATIONS AND MAINTENANCE PLAN UNDER SEPARATE COVER. (NOTE: A LEGALLY ENFORCEABLE MAINTENANCE AGREEMENT SHALL BE EXECUTED IF THE PROPERTY OWNER IS NOT THE PARTY RESPONSIBLE FOR BMP MAINTENANCE AS PRESCRIBED)**

INFILTRATION AREA CONSTRUCTION PROTECTION

FOR THE LONG-TERM FUNCTION OF THE INFILTRATING SYSTEMS, CARE MUST BE TAKEN IN THIS AREA DURING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY THE FOLLOWING MINIMUM BEST MANAGEMENT PRACTICES (BMPs):

- THE INFILTRATION AREAS SHALL NOT BE USED AS A CONSTRUCTION SEDIMENTATION SYSTEM.
- CONSTRUCTION EQUIPMENT, VEHICULAR TRAFFIC, PARKING OF VEHICLES, AND STOCKPILING OF CONSTRUCTION AND EARTH MATERIALS SHALL BE OUTSIDE THE LIMITS OF THE INFILTRATION AREA UNTIL INSTALLATION IS COMPLETED. THE SUBGRADE BENEATH THE SYSTEM SHALL NOT BE COMPACTED.
- EXCAVATION FOR CONSTRUCTION OF THE INFILTRATION AREAS SHALL BE PERFORMED MANUALLY OR BY HYDRAULIC EXCAVATOR OR SOME OTHER SIMILAR MEANS TO ENSURE THAT THE EQUIPMENT IS NOT IN DIRECT CONTACT WITH THE NATURAL INFILTRATION EARTH MATERIAL AND DOES NOT CAUSE COMPACTION OF THE MATERIAL AND THE ENTIRE AREA IS TO BE SCARIFIED PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AND EROSION CONTROLS AROUND THE PERIMETER OF THE INFILTRATION AREA TO PREVENT THE USE OF THIS AREA FOR ALL ACTIVITIES THAT MIGHT DAMAGE THE INFILTRATION CAPABILITIES OF THE AREA. THIS FENCING MAY BE REMOVED FOR BACKFILLING AND FINAL CONSTRUCTION.

GENERAL GRADING NOTES:

- THE MAXIMUM RUNNING SLOPE ALONG ANY SIDEWALK SHALL BE 5%. THE MAXIMUM CROSS SLOPE ACROSS ANY SIDEWALK SHALL BE 2%. A MINIMUM 5'x5' LANDING SHALL BE PROVIDED IN FRONT OF ALL BUILDING ENTRANCES.
- ALL ADAAG PARKING SPACES AND LOADING SPACES SHALL BE 2% MAXIMUM SLOPE IN ANY DIRECTION.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- ALL GRATES AND COVERS IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH THE CITY OF PROVIDENCE SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

SITE PLAN LEGEND (RIDOT):

(BCP)	BITUMINOUS CONCRETE PAVEMENT	(7.1.0)	PRECAST CONCRETE CURB
(CM)	CUT AND MATCH PAVEMENT	(9.9.0)	CONSTRUCTION ENTRANCE
(SACK)	SILT SACK INVERT PROTECTION	(43.3.0)	WHEELCHAIL RAMP
(SDS)	SAME DAY STABILIZATION	(48.1.0)	DETECTIBLE WARNING SYSTEM
(TSC)	TEMPORARY STREAM CROSSING	(4W)	4-INCH WHITE PAVEMENT MARKINGS
(LOD)	LIMIT OF DISTURBANCE	(6W)	6-INCH WHITE PAVEMENT MARKINGS

SITE LEGEND

EXISTING	NEW	DESCRIPTION
— C —	— C —	CENTERLINE (LAYOUT)
— D —	— D —	STORM DRAIN
— E —	— E —	ELECTRIC (UNDERGROUND)
— F —	— F —	FIRE SERVICE
— FD —	— FD —	FOOTING DRAIN
— G —	— G —	GAS
— OHW —	— OHW —	OVERHEAD WIRE
— S —	— S —	PROPERTY LINE
— SL —	— SL —	SANITARY SEWER
— T —	— T —	SITE LIGHTING SERVICE
— W —	— W —	TELEPHONE
— W —	— W —	WATER
— 64 —	— 64 —	CONTOUR
x 64.0	x 64.00	SPOT GRADE
x 64.0(BC)	x 64.00(BC)	SPOT GRADE (BOT. OF CURB)
x 64.5(TC)	x 64.50(TC)	SPOT GRADE (TOP OF CURB)
64.5(BW)	64.50(BW)	SPOT GRADE (BOT. OF WALL)
64.5(TW)	64.50(TW)	SPOT GRADE (TOP OF WALL)
— CC —	— PCC —	PRECAST CONC. CURB
— CLF —	— CLF —	CHAINLINK FENCE (CLF)
— STKF —	— STKF —	STOCKADE FENCE (STKF)
— B —	— B —	BORING LOCATION
— CB —	— CB#1 —	CATCH BASIN
— CB(DC) —	— CBDC#1 —	DOUBLE GRATE CATCH BASIN
— CTB —	— CTB —	CONCRETE THRUST BLOCK
— DMH —	— DMH —	DRAIN MANHOLE
— FES —	— FES —	FLARED END STRUCTURE
— SMH —	— SMH —	SEWER MANHOLE
— U —	— U —	UTILITY POLE
— F —	— F —	FIRE HYDRANT
— GV —	— GV —	GATE VALVE AND CURB BOX
— H —	— H —	HANDICAP SYMBOL (PRKG. SPACE)
— S —	— S —	SIGN
— SEV —	— SEV —	SOIL EVALUATION LOCATION
— TP —	— TP —	TEST PIT LOCATION
— FDC —	— FDC —	FIRE DEPARTMENT CONNECTION
— PIV —	— PIV —	POST INDICATOR VALVE (PIV)
— EMH —	— EMH —	ELECTRIC MANHOLE (EMH)
— TMH —	— TMH —	TELEPHONE MANHOLE (TMH)
— T —	— T —	TRANSFORMER PAD
— GEN —	— GEN —	GENERATOR PAD
— GCO —	— GCO —	GROUND CLEANOUT
— LP —	— LP —	SIGHT LIGHT POLE
— TFD —	— TFD —	TRAFFIC FLOW DIRECTION
— LOD —	— LOD —	LIMIT OF DISTURBANCE
— S —	— S —	COMPOST SILT SOCKS
— P —	— P —	PAVEMENT SAWCUT & MATCH TO EXISTING
— (XXX) —	— (XXX) —	RIDOT STD DETAIL REFERENCE

ABBREVIATIONS

CI	CAST IRON PIPE
CLDI	CEMENT LINED DUCTILE IRON PIPE
CLF	CHAINLINK FENCE
CTE	POINT OF CONNECTION TO EXISTING
DJ	DUCTILE IRON PIPE
ESHWT	ESTIMATED SEASONAL HIGH WATER TABLE
EX	EXISTING TO REMAIN
EX	EXISTING
F&I	FURNISH AND INSTALL
HDPE	HIGH DENSITY POLYETHYLENE PIPE
INV.	INVERT ELEVATION
MTE	MATCH TO EXISTING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
VF	VERIFY IN FIELD
WQS	WATER QUALITY STRUCTURE

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: MAR 20 2025 FILE # 23-0148

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

Signature
JUN 8 2024

GENERAL NOTES & LEGEND

FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND

PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE

ISSUED FOR PERMIT

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CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

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TEL. 401-273-9000

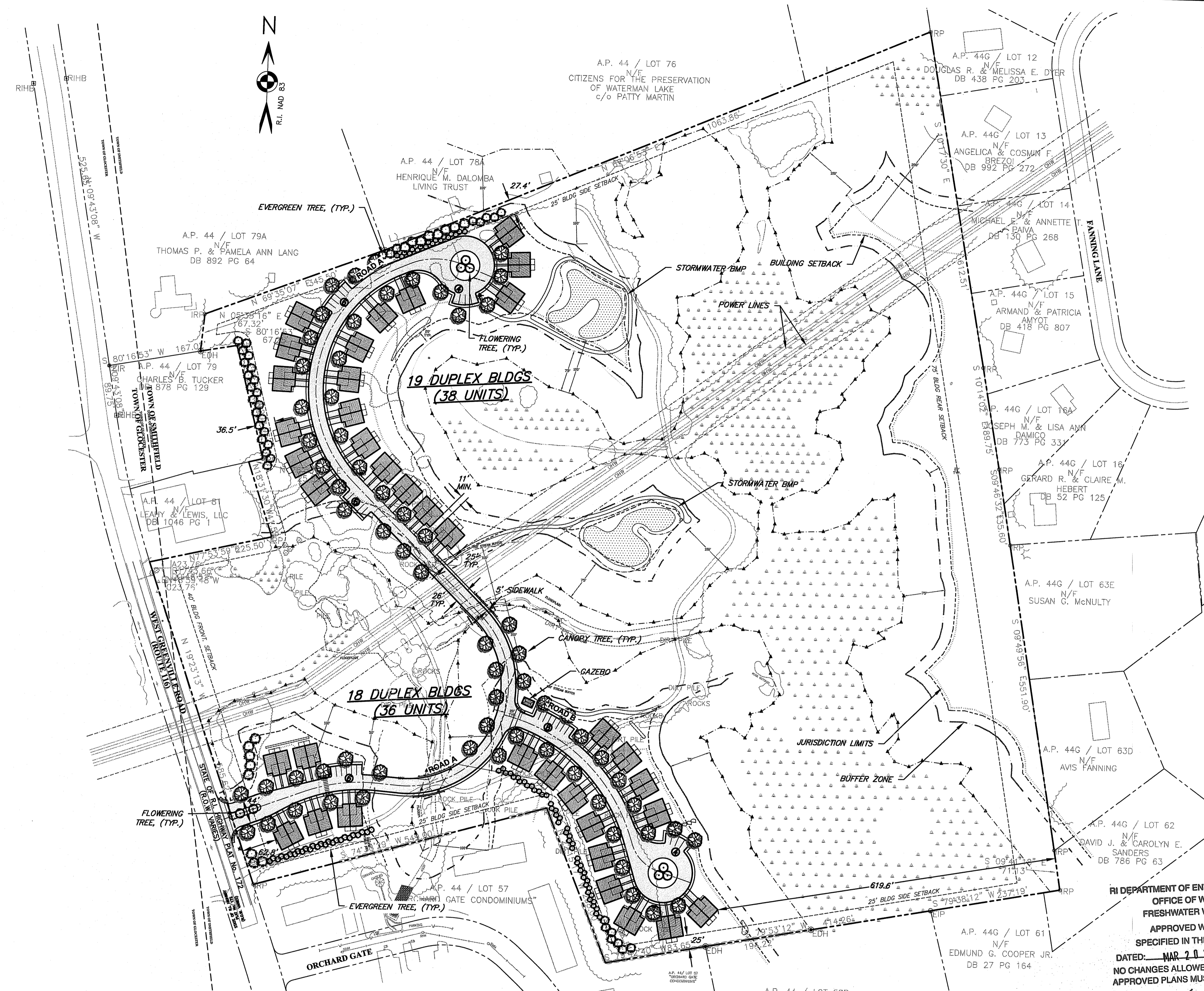
JOB NO. 7375-00	DRAWN BY K.Y.Y.
DWG. NO. 7375-00_COVER.dwg	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
DATE: APRIL 2023	

SHEET

C-1

2 OF 22 SHEETS

L:\7375-00 89 West Greenville Road - Comprehensive Permit (KREO) - Smithfield, RI\dwg\01-Current\7375-00-base_r2.dwg 12/15/2023 kbjgprg 11:14



DIMENSIONAL SUMMARY

89 WEST GREENVILLE RD (A.P. 44, LOT 82)
ZONING: R-80 (SINGLE FAMILY RESIDENTIAL)

DESCRIPTION	REQUIRED	PROPOSED
SITE DATA		
LAND USE	RESIDENTIAL	RESIDENTIAL
MIN. LOT AREA	80,000 S.F.	42.60 AC.
MIN. FRONTAGE	200'	609.38'
MIN. FRONT YARD BUILDING SETBACK	40'	62.8'
MIN. SIDE YARD BLDG SETBACK	25'	25'
MIN. REAR YARD BUILDING SETBACK	75'	619.6'
MAX. LOT COVERAGE (STRUCTURE)	10%	3.2%
MAX. BLDG HEIGHT	39'	<39'

USEABLE LAND / DENSITY		
DESCRIPTION	SUITABLE	DENSITY
LAND SUITABLE FOR DEVELOPMENT (AREA EXCLUDING EASEMENTS & WETLANDS)	27.3 AC (64%)	90 DU/27.3 AC (3.3 DU/AC)

OPEN SPACE ANALYSIS		
DESCRIPTION	REQUIRED	PROVIDED
PORTION OF SUITABLE LAND DESIGNATED AS OPEN SPACE (EXCLUDES DETENTION)	16.4 AC (60%)	19.6 AC (71%)

PARKING SUMMARY		
DESCRIPTION	REQUIRED	PROVIDED
SINGLE-FAMILY: 2 SPACES PER DWELLING PLUS 1 SP FOR EACH BEDROOM IN EXCESS 3.	152	182

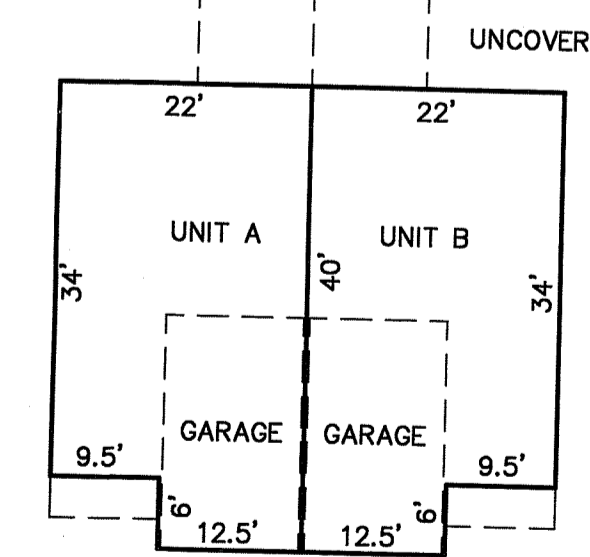
TABLE NOTES:
1. LANDS NOT SUITABLE DO NOT INCLUDE WETLAND BUFFER ZONES OR JURISDICTIONAL AREAS.

DEVELOPMENT SUMMARY:
THE PROPOSED PLAN OF DEVELOPMENT INCLUDES THIRTY SEVEN (37) TWO-FAMILY (DUPLX) CONDOMINIUMS (74 UNITS TOTAL). TWENTY FIVE PERCENT (25%) OF THE RESIDENCES SHALL BE DESIGNATED AS AFFORDABLE UNITS.

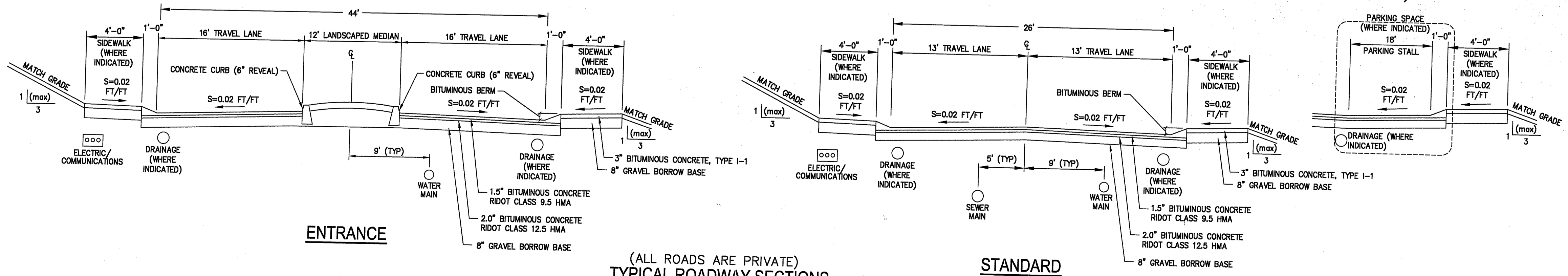
- WAIVERS REQUESTED:**
- ZONING VARIANCES:
 - SECTION 4.3 TABLE OF USES: DUPLX UNITS IN R-80 ZONE.
 - SECTION 5.4 TABLE 1: DENSITY EXCEEDS 80,000 SF/DU (0.54 DU/AC).
 - SECTION 6.1.2: MORE THAN ONE RESIDENTIAL BUILDING ON LOT.
 - SECTION 12.4.A: UNITS IN C.P.A. GREATER THAN 1% OF TOTAL TOWN UNITS.
 - LAND DEVELOPMENT REGULATION WAIVERS:
 - SECTION V.C.5: ROAD WIDTH LESS THAN 30'.
 - SECTION V.C.8: DEAD END SERVING MORE THAN 25 UNITS.
 - SECTION X.B.4: NO CONSERVATION/CONVENTIONAL COMPARISON FOR MLD.

- SHEET NOTES:**
- SEE SHEET C-1 FOR NOTES AND LEGEND.
 - THIS OVERALL PLAN IS SCHEMATIC ONLY AND HAS BEEN PREPARED TO PROVIDE GENERAL LAYOUT AND DEVELOPMENT CONDITIONS ASSOCIATED WITH A COMPREHENSIVE PERMIT APPLICATION FOR THE PROPERTY. REFER TO MASTER PLAN APPROVAL BY THE SMITHFIELD PLANNING BOARD DECEMBER, 2022 (10#20-08).
 - ALL PROPOSED ROAD WILL BE PRIVATE AND MAINTAINED BY A HOMEOWNERS ASSOCIATION.
 - THE PROPOSED DEVELOPMENT WILL BE SERVED BY PUBLIC WATER (GREENVILLE WATER) AND PUBLIC SEWER (TOWN OF SMITHFIELD).
 - PROJECT PHASING WILL INCLUDE CONSTRUCTION OF ALL INFRASTRUCTURE (ROADS AND UTILITIES) BUT LIMITING BUILDING CONSTRUCTION TO NO MORE THAN ONE PERCENT (1%) OF THE TOTAL NUMBER OF UNITS IN TOWN IN ANY SINGLE YEAR.
 - TWO (2) DOG WASTE RECEPTACLES (TRASH CANS) SHALL BE PROVIDED WITHIN THE PROJECT AND SITED OUTSIDE OF RIDEM BUFFER ZONES.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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DATED: MAR 20 2024 FILE #: 23-018
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Christopher D. Brown

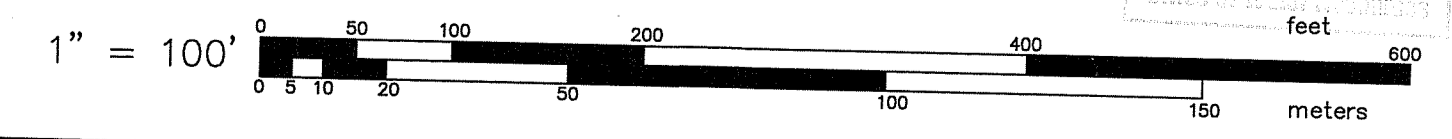


BUILDING DIAGRAM
NOT TO SCALE



(ALL ROADS ARE PRIVATE)
TYPICAL ROADWAY SECTIONS
NOT TO SCALE

STANDARD



OVERALL PLAN
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23



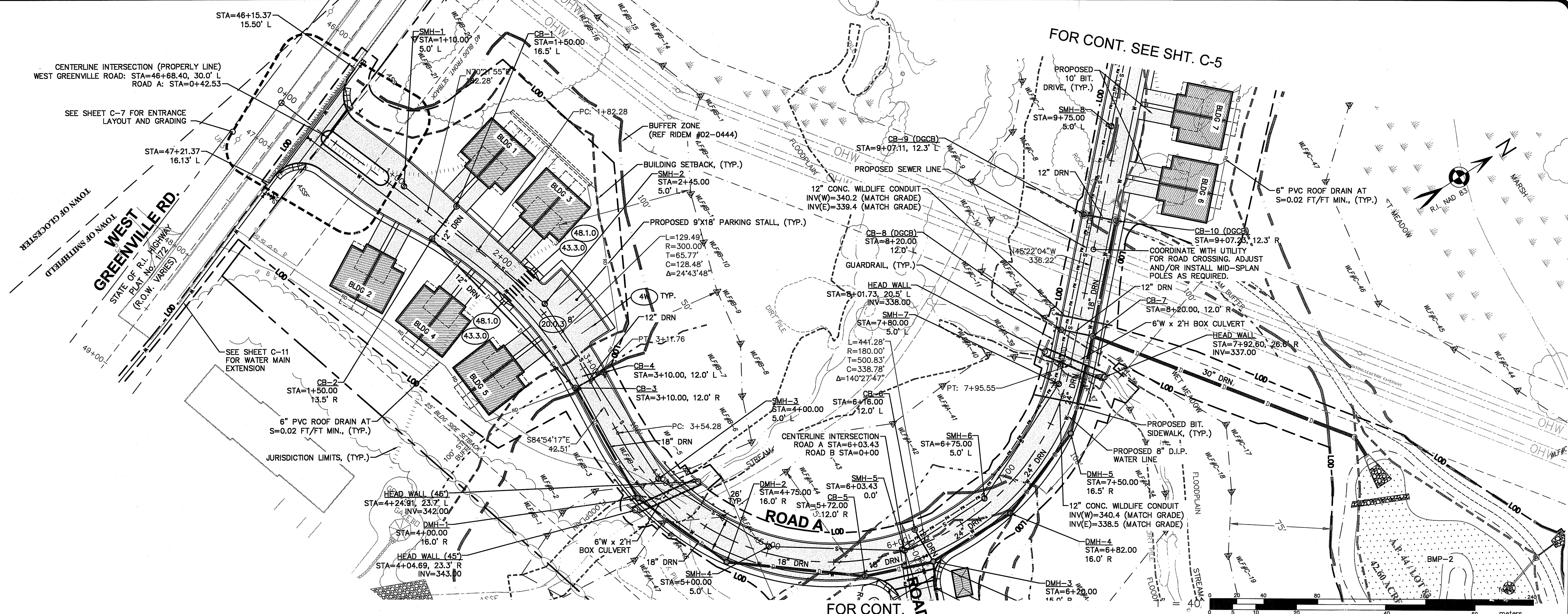
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P.O. BOX 6145
PROVIDENCE, RI 02940
TEL: 401-273-6000

JOB NO. 7375-00
DWG. NO. 7375-00-BASE_R2
SCALE: AS SHOWN
DRAWN BY: KJA
CHECK BY: S.S.H.
APPROVED: S.S.H.
DATE: APRIL 2023

SHEET
C-3
4 OF 22 SHEETS



ROAD PROFILE PLAN - 1
 FOR
THE RESIDENCES AT GREENVILLE FARMS
 (A.P. 44, LOT 82)
 SITUATED AT
89 WEST GREENVILLE ROAD
 SMITHFIELD, RHODE ISLAND
 PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23
2	PER RIDEM COMMENTS	SSH	12/15/23

ISSUED FOR PERMIT

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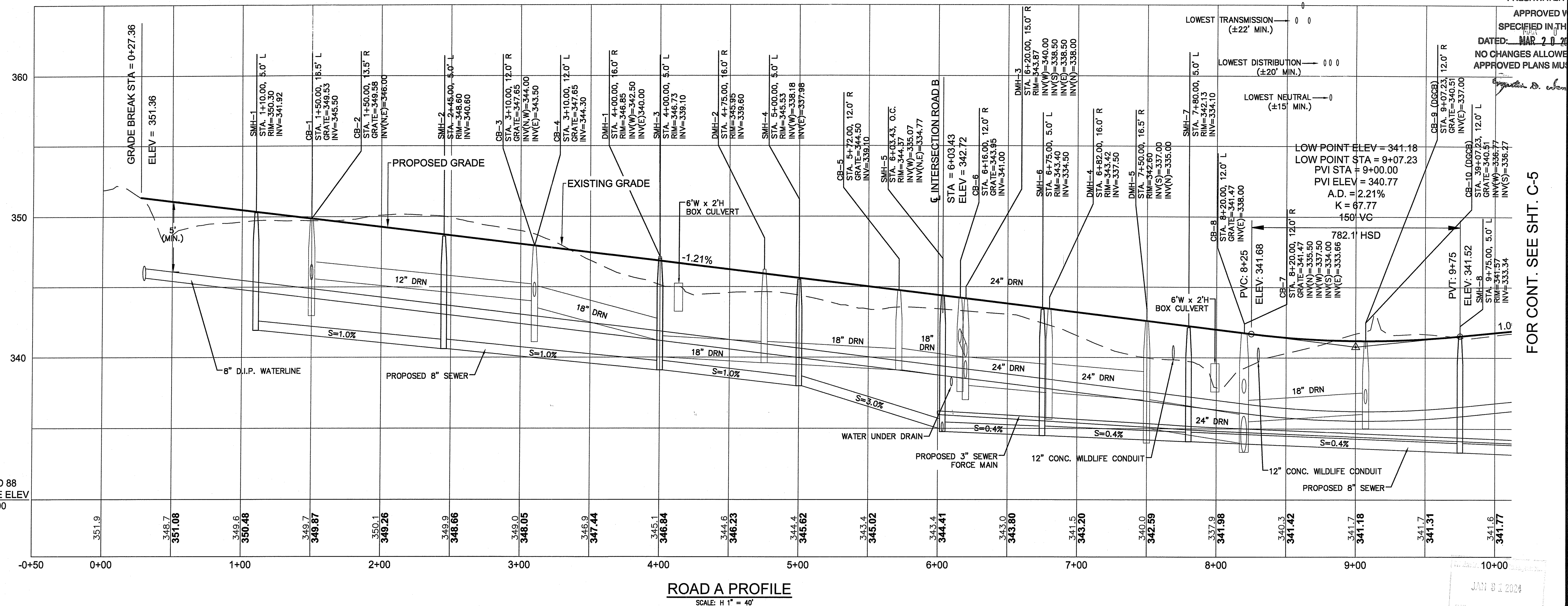
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SHEET
C-4
 5 OF 22 SHEETS

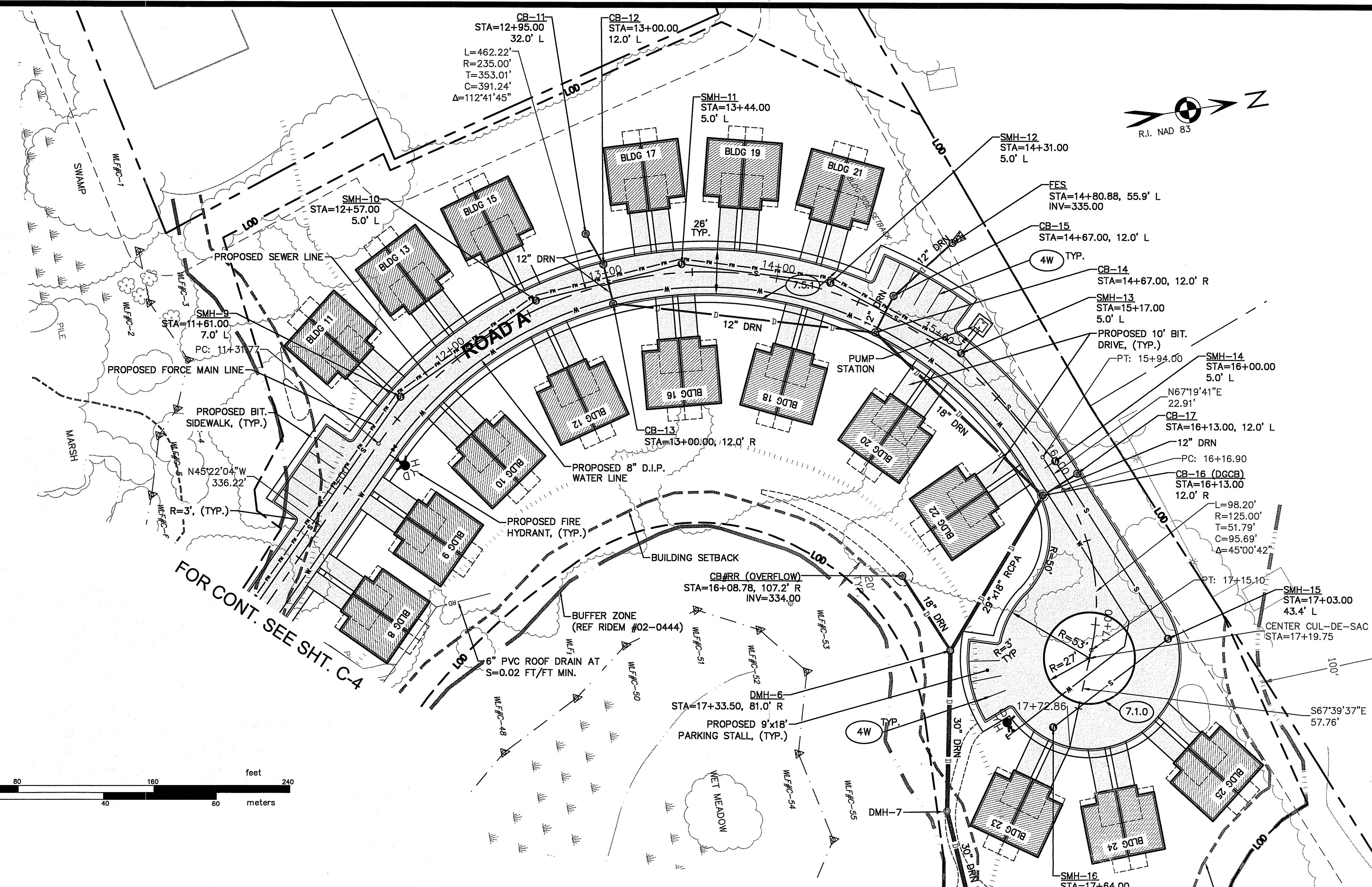
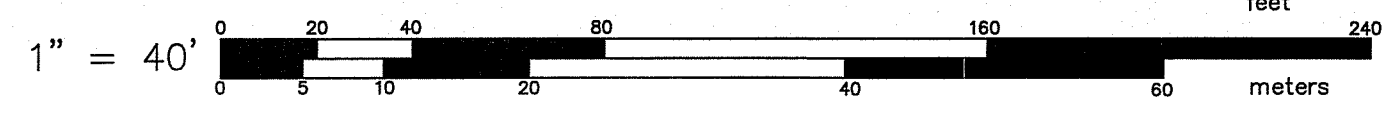
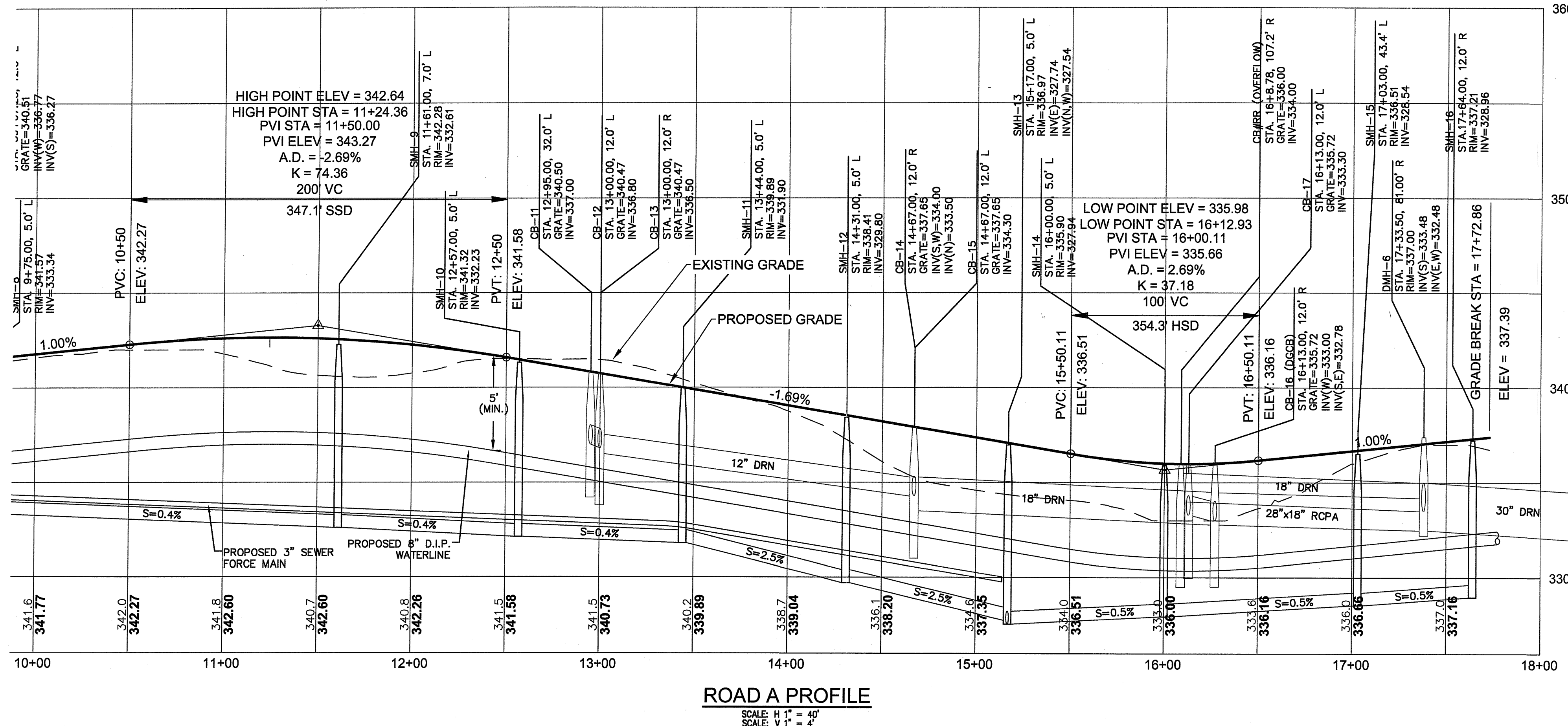


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JAN 8 2024

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FOR CONT. SEE SHT. C-4

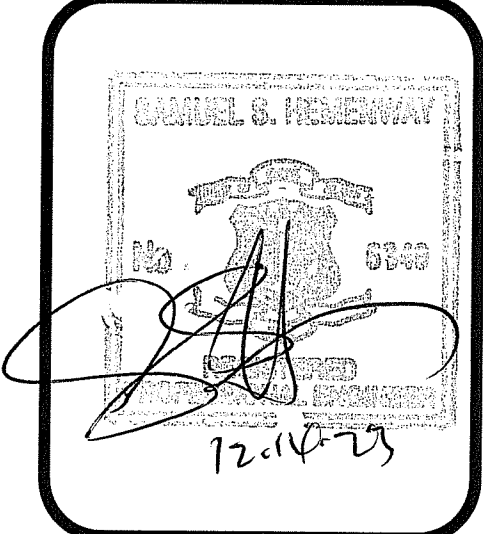


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 DATED: MAR 7 2024 FILE #: 22-018
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ROAD PROFILE PLAN - 2
 FOR THE RESIDENCES AT GREENVILLE FARMS (A.P. 44, LOT 82)
 SITUATED AT 89 WEST GREENVILLE ROAD SMITHFIELD, RHODE ISLAND
 PREPARED FOR WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23

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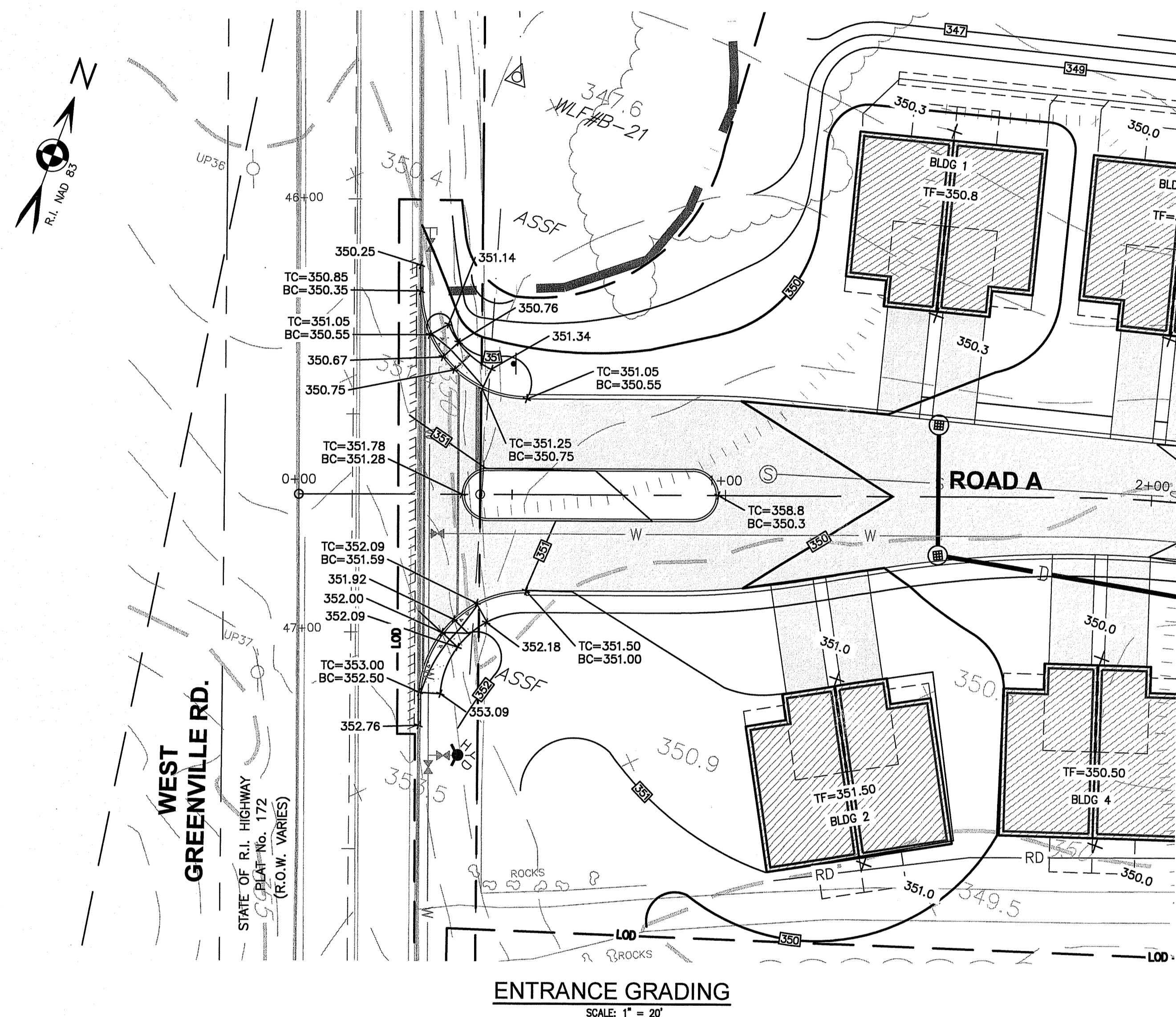
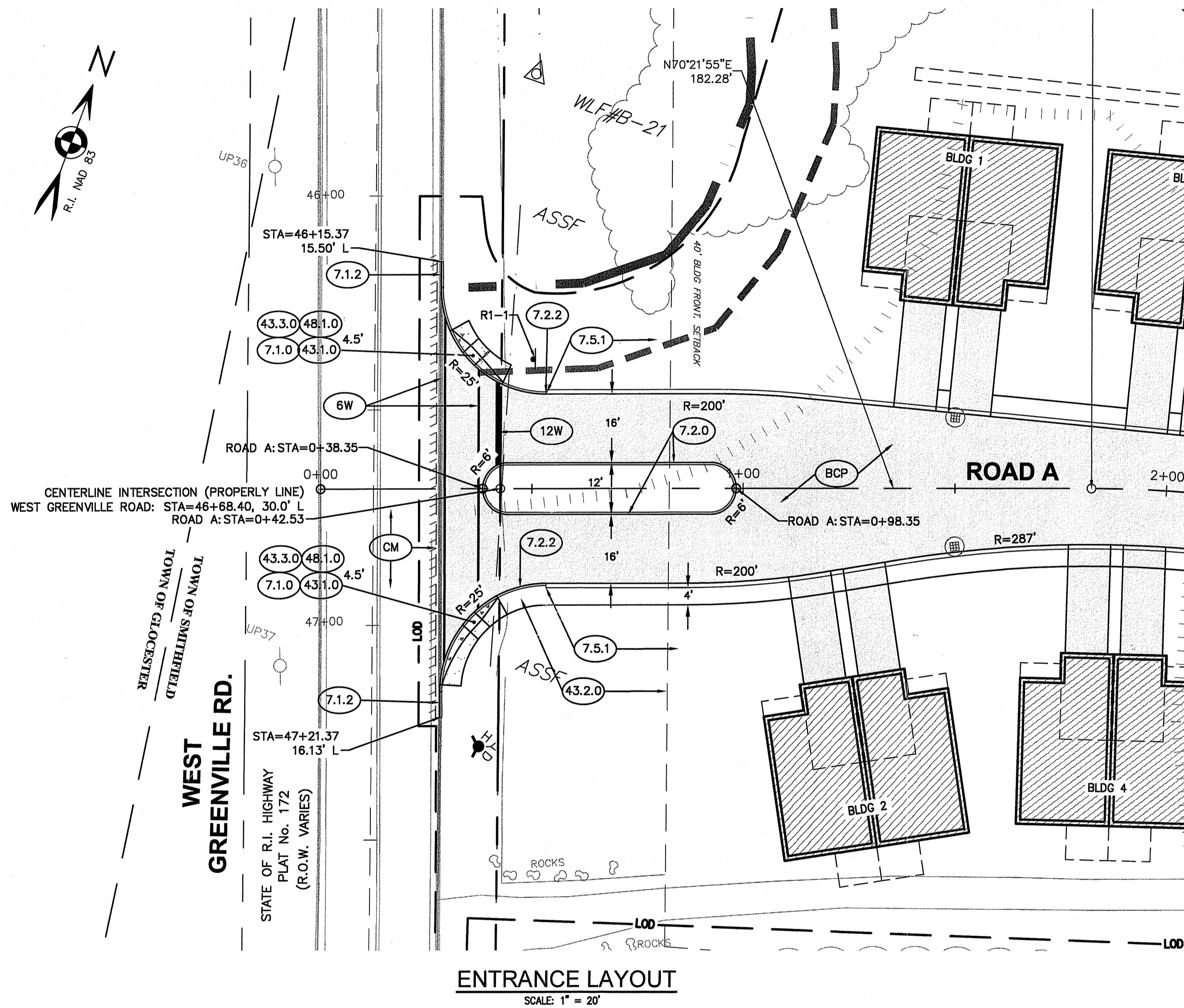
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	DATE: APRIL 2023

SHEET
C-5
 6 OF 22 SHEETS

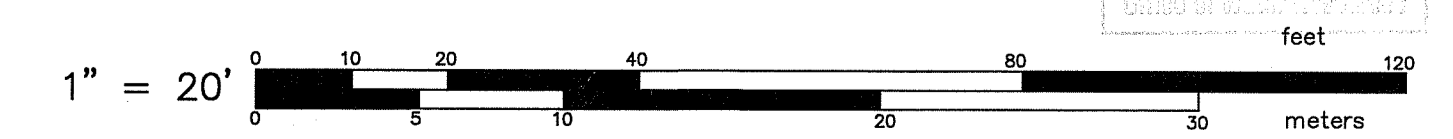
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Signature

JAN 8 2024
6800 of 7000
feet



ENTRANCE LAYOUT
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

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	DATE: APRIL 2023

SHEET
C-7
8 OF 22 SHEETS

SHEET NOTES:

- SEE SHEET C-1 FOR NOTES & LEGEND.
- WITHIN JURISDICTIONAL AREAS, NEW PEDESTRIAN TRAILS (OUTSIDE BUFFER ZONES) AND MAINTENANCE OF EXISTING TRAILS WITHIN BUFFER ZONES ARE EXEMPT ACTIVITIES UNDER FRESHWATER WETLANDS ACT. NEW TRAILS MUST BE CONSTRUCTED IN ACCORDANCE WITH RULE 3.6.24, EXISTING TRAILS MUST BE MAINTAINED IN ACCORDANCE WITH RULE 3.6.2, AND BOTH NEW AND EXISTING TRAIL WORK MUST MEET THE GENERAL CONDITIONS FOR EXEMPT ACTIVITIES IN RULE 3.6.1.

DISTURBANCE LEGEND:

BUFFER ZONE DISTURBANCE:



PERMANENT

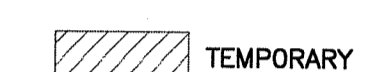


TEMPORARY

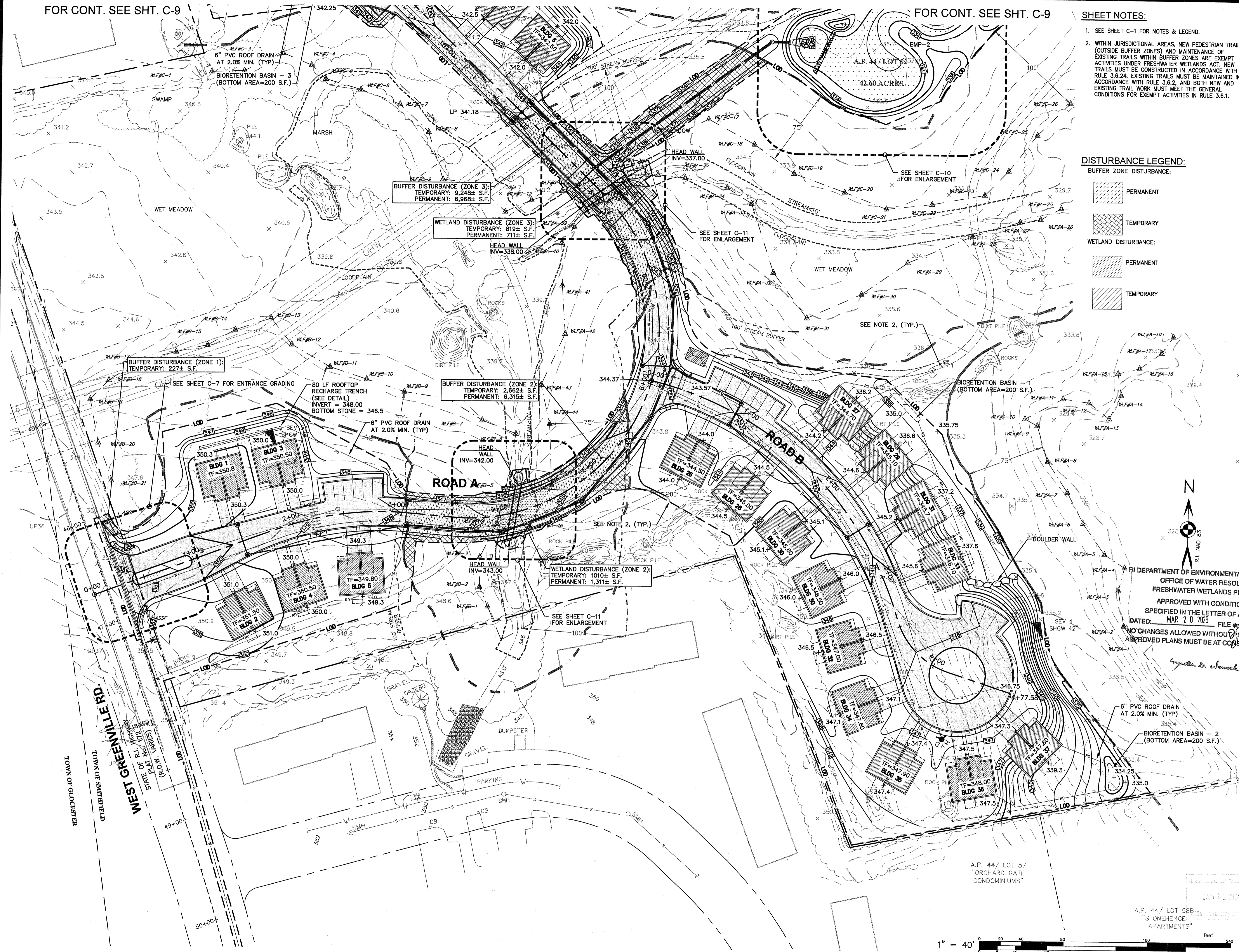
WETLAND DISTURBANCE:



PERMANENT



TEMPORARY



GRADING PLAN - 1
 FOR
THE RESIDENCES AT GREENVILLE FARMS
 (A.P. 44, LOT 82)
 SITUATED AT
89 WEST GREENVILLE ROAD
 SMITHFIELD, RHODE ISLAND
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NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23
2	PER RIDEM COMMENTS	SSH	12/15/23

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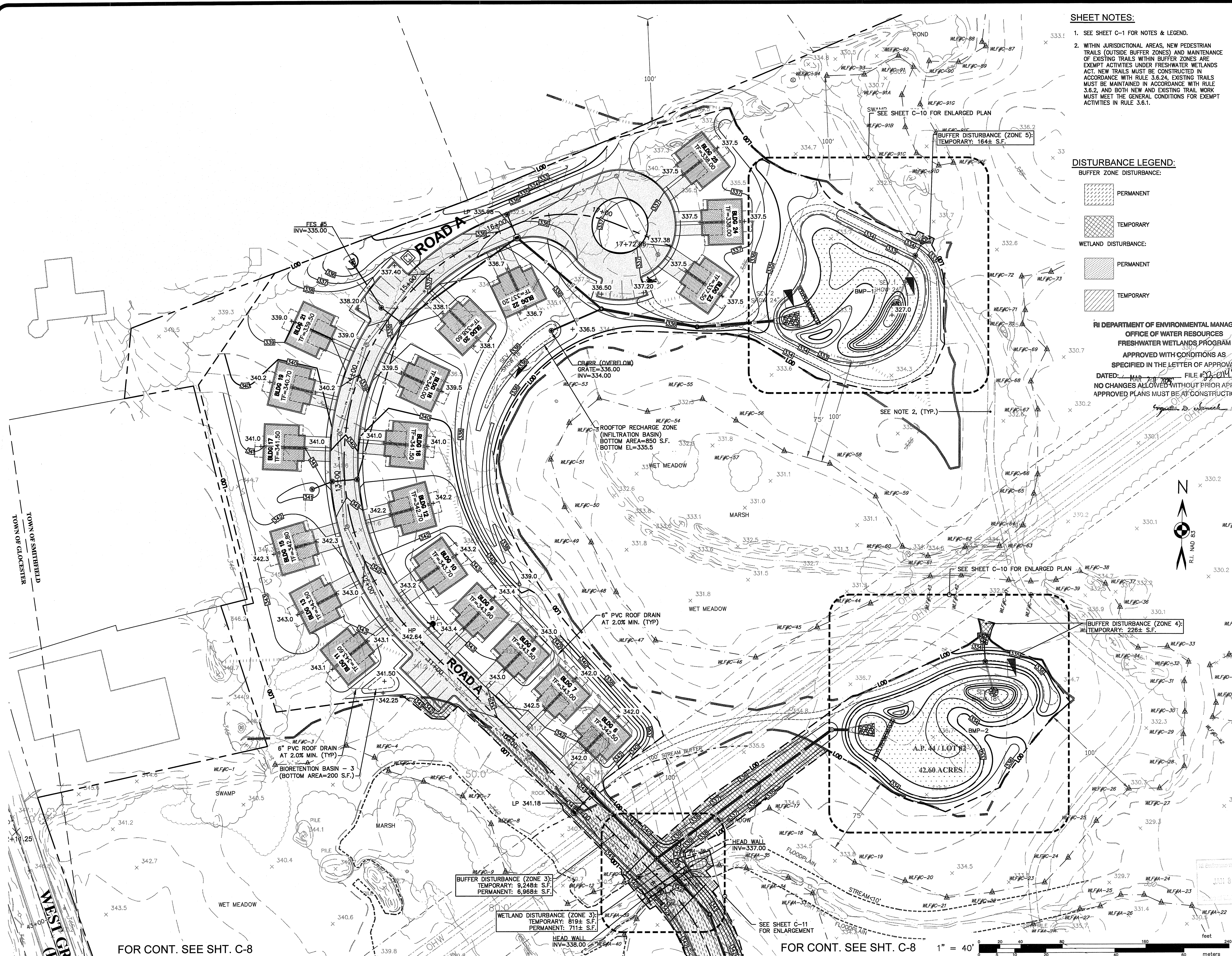
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	DATE: APRIL 2023

SHEET
C-8
 9 OF 22 SHEETS

L:\7375-00 89 West Greenville Road - Comprehensive Permit (KREG) - Smithfield, RI\dwg\01-Current\7375-00-g&d_r2.dwg 12/15/2023 12:00

LV:7375-00 89 West Greenville Road - Comprehensive Permit (R062) - Smithfield, RI Map 01 - Current 7375-00-g&d_r2.dwg 12/15/2023 klynging 12.01



SHEET NOTES:
1. SEE SHEET C-1 FOR NOTES & LEGEND.
2. WITHIN JURISDICTIONAL AREAS, NEW PEDESTRIAN TRAILS (OUTSIDE BUFFER ZONES) AND MAINTENANCE OF EXISTING TRAILS WITHIN BUFFER ZONES ARE EXEMPT ACTIVITIES UNDER FRESHWATER WETLANDS ACT. NEW TRAILS MUST BE CONSTRUCTED IN ACCORDANCE WITH RULE 3.6.24. EXISTING TRAILS MUST BE MAINTAINED IN ACCORDANCE WITH RULE 3.6.2, AND BOTH NEW AND EXISTING TRAIL WORK MUST MEET THE GENERAL CONDITIONS FOR EXEMPT ACTIVITIES IN RULE 3.6.1.

DISTURBANCE LEGEND:
BUFFER ZONE DISTURBANCE:
PERMANENT
TEMPORARY
WETLAND DISTURBANCE:
PERMANENT
TEMPORARY

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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DATED: MAR 21 2024 FILE # 2024-018
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GRADING PLAN - 2
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23
2	PER RIDEM COMMENTS	SSH	12/15/23

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Garofalo & Associates, Inc.
12/16/23

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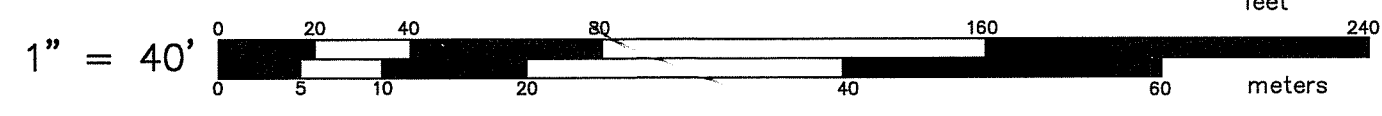
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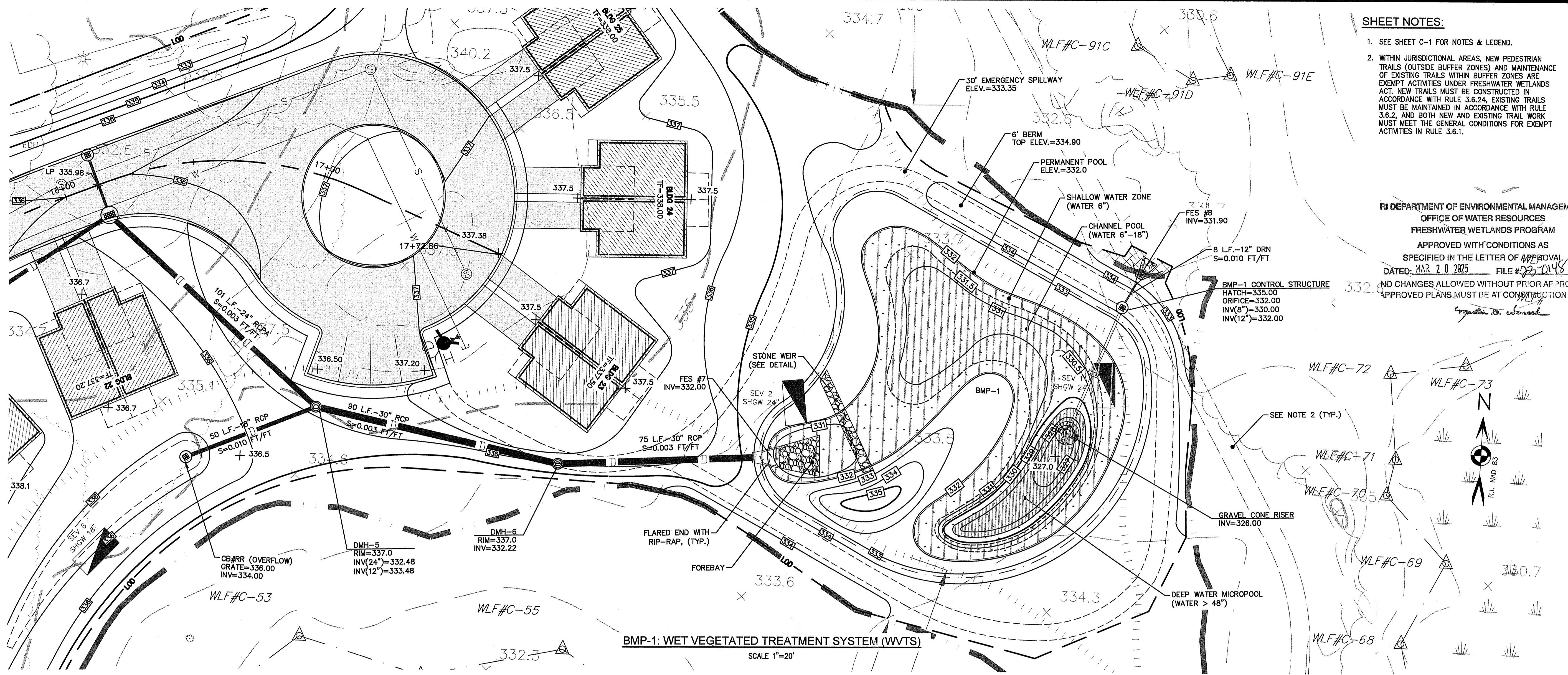
JOB NO. 7375-00	DRAWN BY K.Y.Y.
DWG. NO. 7375-00-G&D_R2	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: APRIL 2023

SHEET
C-9
10 OF 22 SHEETS

FOR CONT. SEE SHT. C-8

FOR CONT. SEE SHT. C-8





SHEET NOTES:

- SEE SHEET C-1 FOR NOTES & LEGEND.
- WITHIN JURISDICTIONAL AREAS, NEW PEDESTRIAN TRAILS (OUTSIDE BUFFER ZONES) AND MAINTENANCE OF EXISTING TRAILS WITHIN BUFFER ZONES ARE EXEMPT ACTIVITIES UNDER FRESHWATER WETLANDS ACT. NEW TRAILS MUST BE CONSTRUCTED IN ACCORDANCE WITH RULE 3.6.2.4. EXISTING TRAILS MUST BE MAINTAINED IN ACCORDANCE WITH RULE 3.6.2, AND BOTH NEW AND EXISTING TRAIL WORK MUST MEET THE GENERAL CONDITIONS FOR EXEMPT ACTIVITIES IN RULE 3.6.1.

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FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 20 2025 FILE # 25-0148

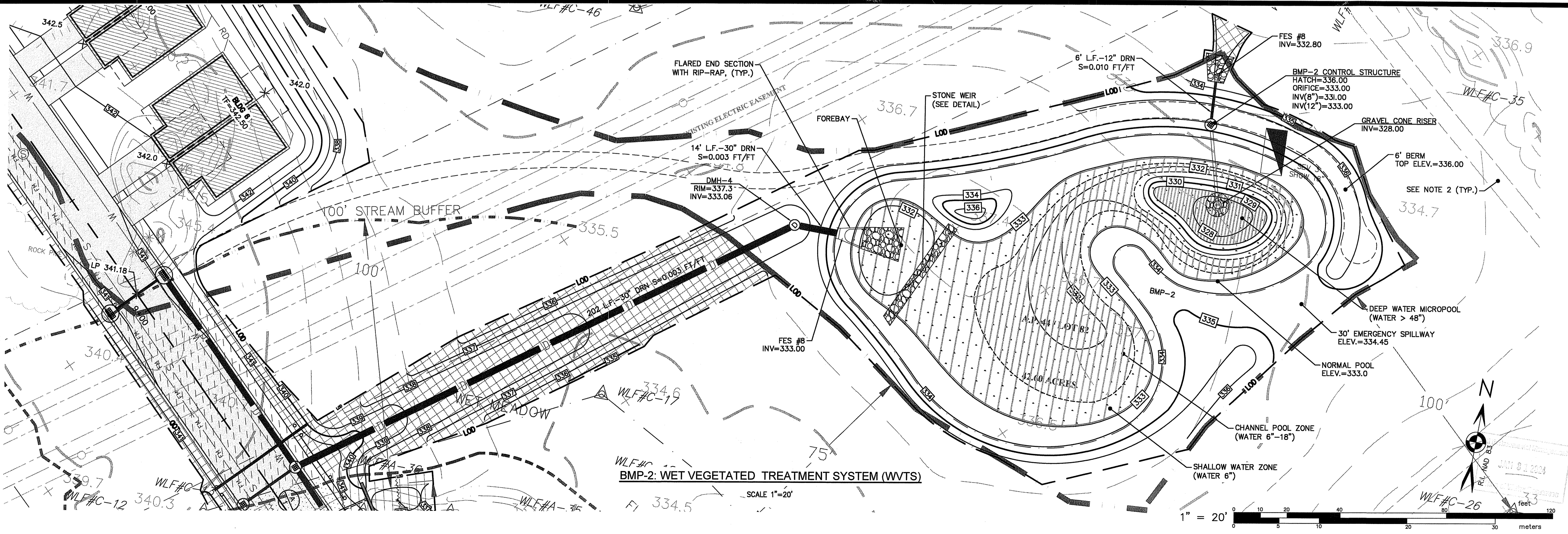
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL. APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Gregory D. Wernick

STORMWATER BMP'S PLAN
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23
2	PER RIDEM COMMENTS	SSH	12/15/23

ISSUED FOR PERMIT



BMP-2 CONTROL STRUCTURE
HATCH=336.00
ORIFICE=333.00
INV(8\")=331.00
INV(12\")=333.00

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LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

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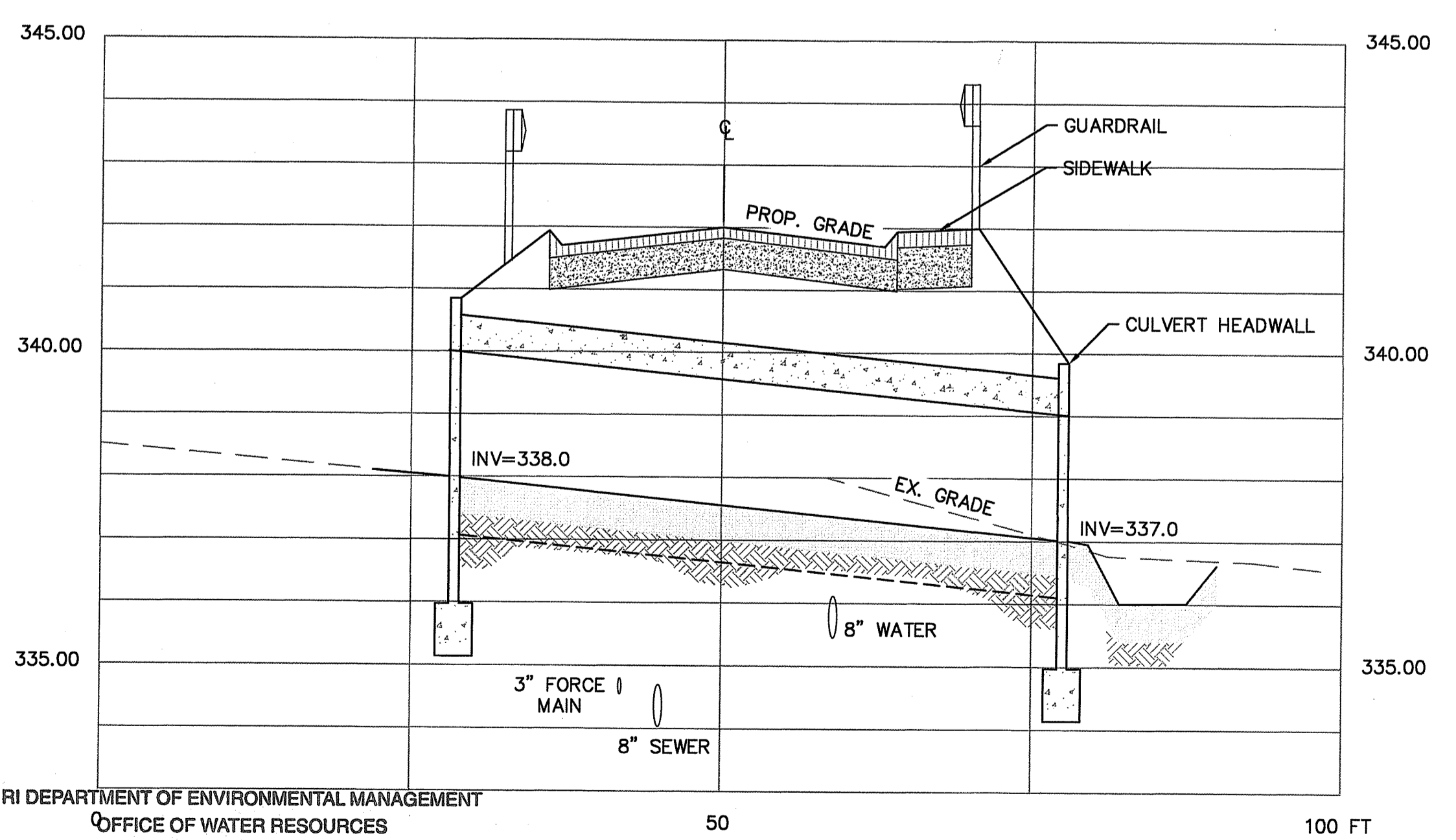
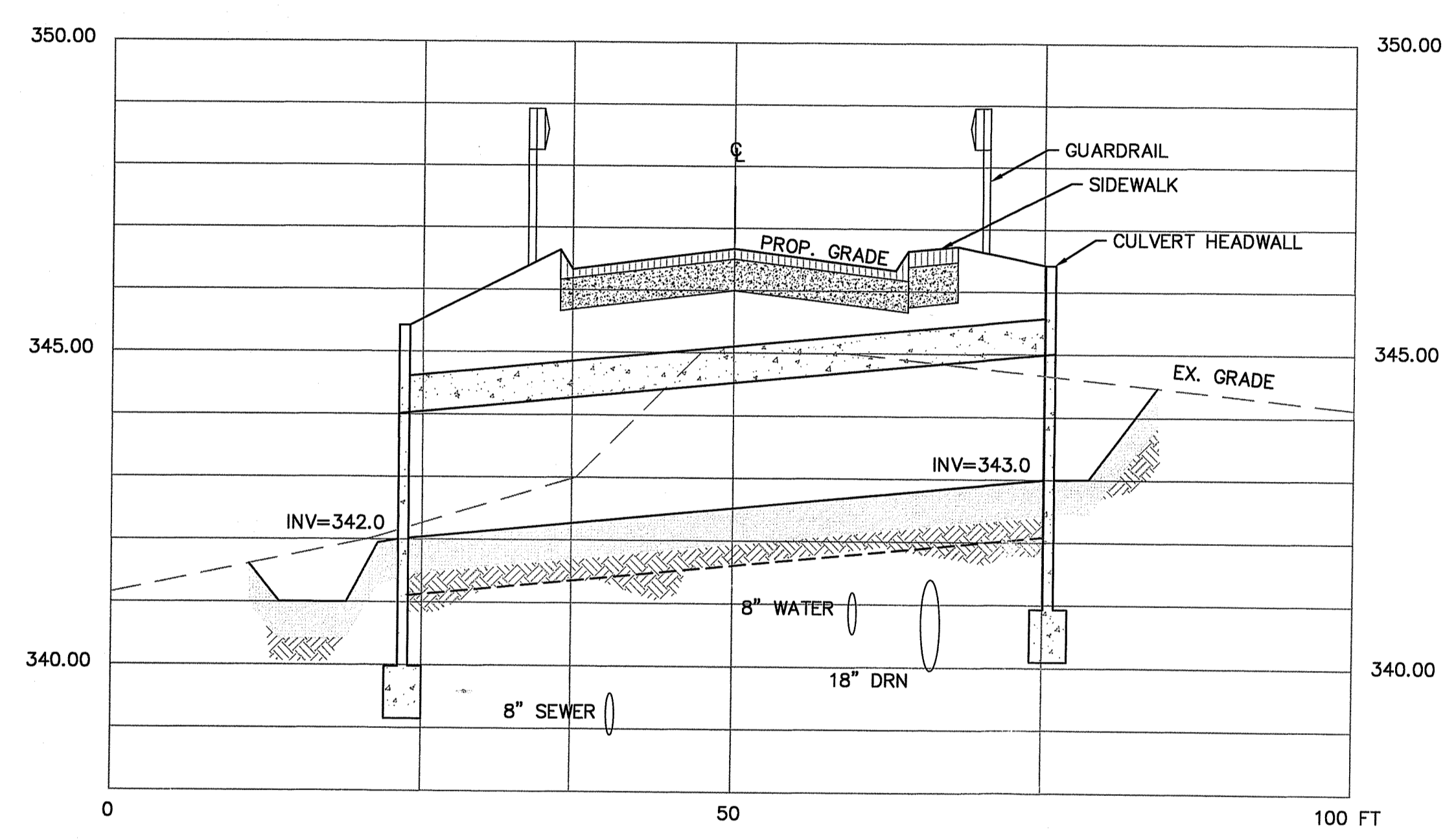
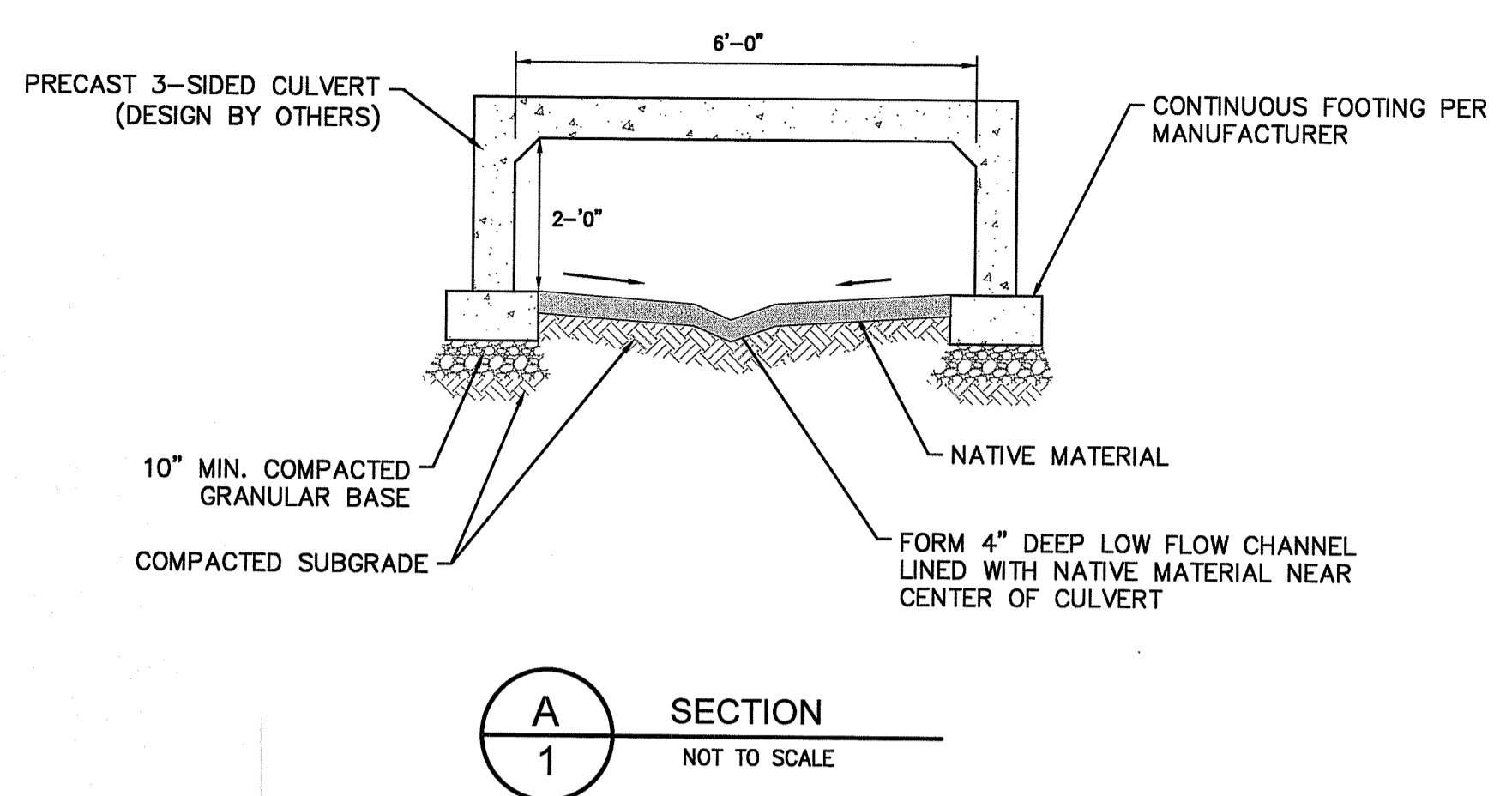
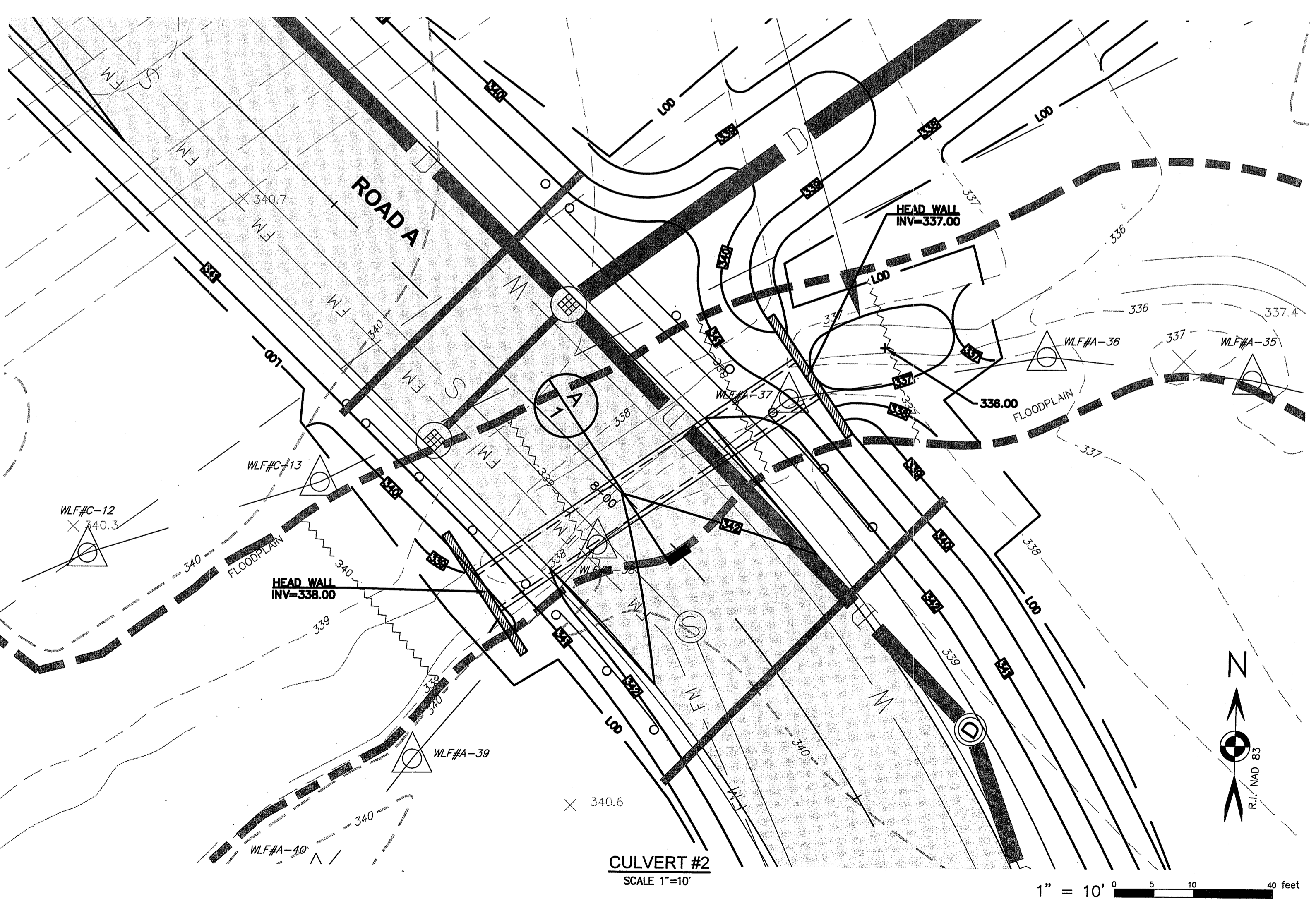
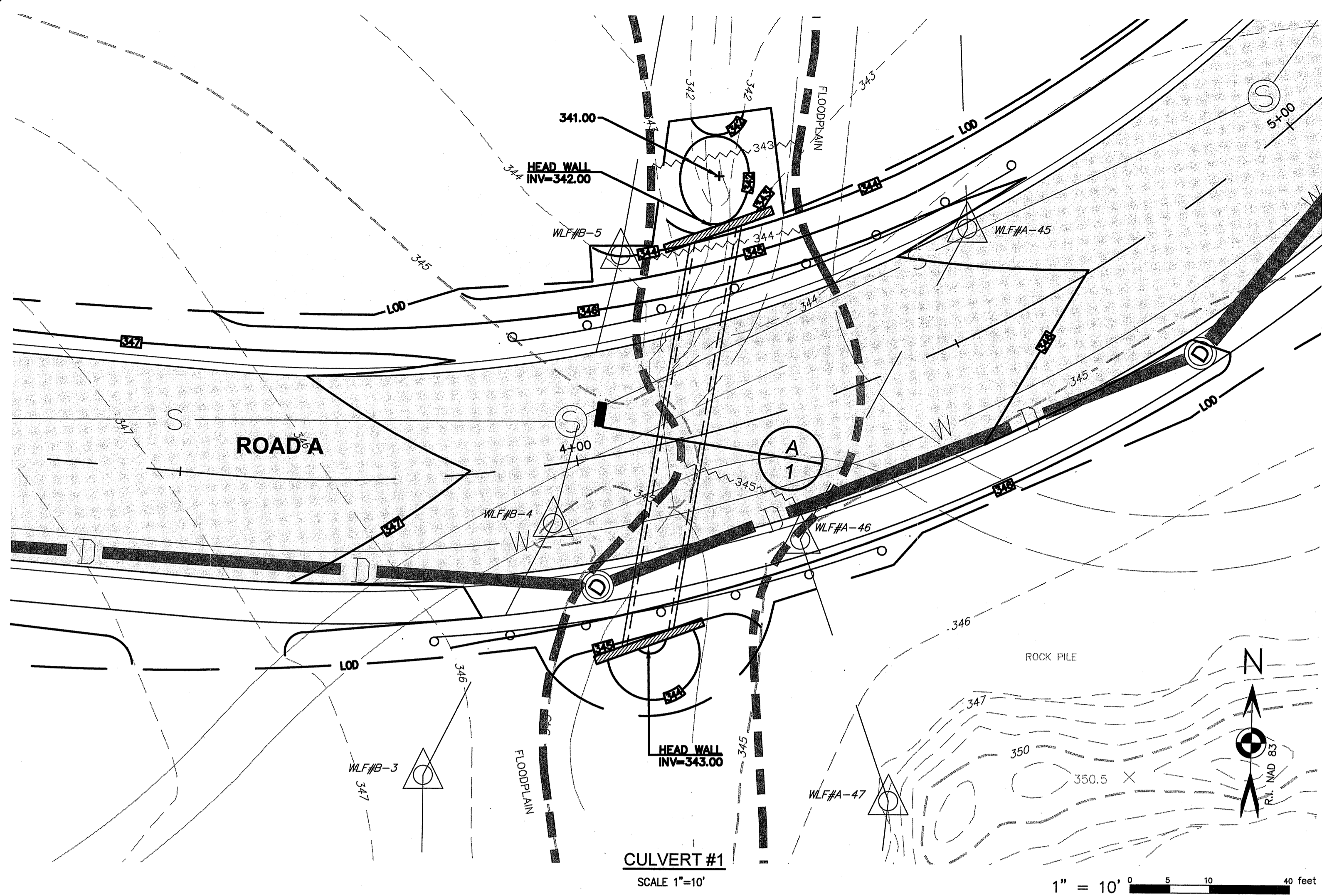
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DWG. NO. 7375-00-G&D_R2	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: APRIL 2023

SHEET
C-10
11 OF 22 SHEETS

LV7375-00 89 West Greenville Road - Comprehensive Permit (KREC) - Smithfield, RI.dwg 01-CURRENT\7375-00-g&d_r2.dwg 12/15/2023 kylyngong 12:02

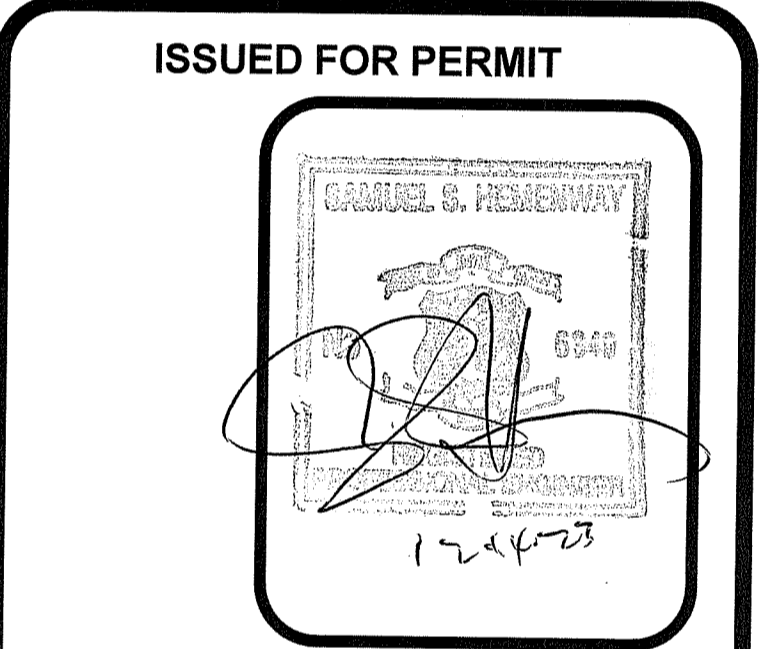
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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 20 2025 FILE #: 23-0146
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Christopher D. Wenczek

STREAM CROSSING ENLARGED PLANS
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	SHEET ADDED	KYY	10/20/23
2	RIDEM COMMENT	SSH	12/15/23



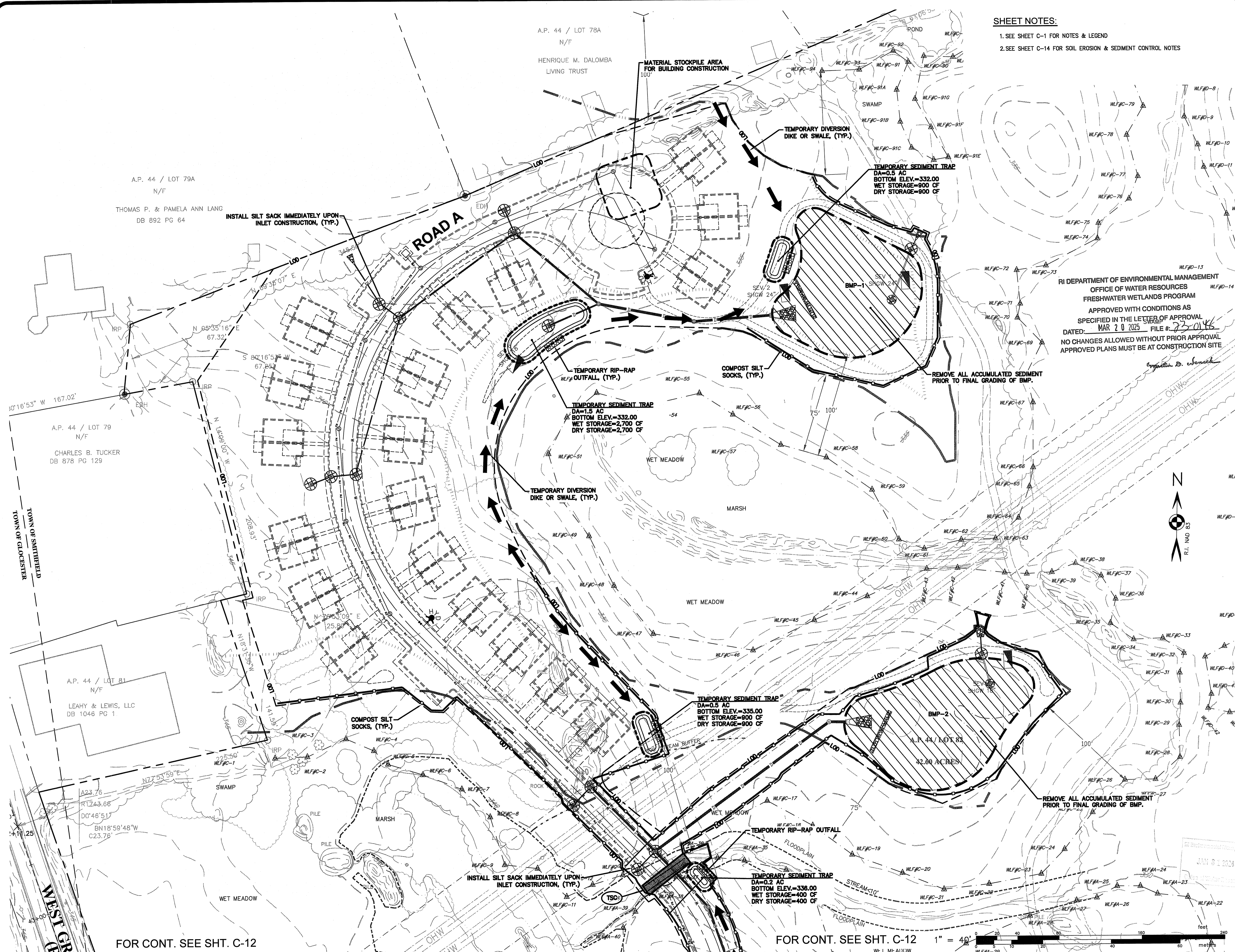
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	DATE: APRIL 2023

SHEET
C-11
12 OF 22 SHEETS



SHEET NOTES:

1. SEE SHEET C-1 FOR NOTES & LEGEND
2. SEE SHEET C-14 FOR SOIL EROSION & SEDIMENT CONTROL NOTES

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: MAR 20 2025 FILE # 23-0148
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2
 FOR THE RESIDENCES AT GREENVILLE FARMS
 (A.P. 44, LOT 82)
 SITUATED AT
 89 WEST GREENVILLE ROAD
 SMITHFIELD, RHODE ISLAND
 PREPARED FOR
 WEST GREENVILLE ROAD, LLC.

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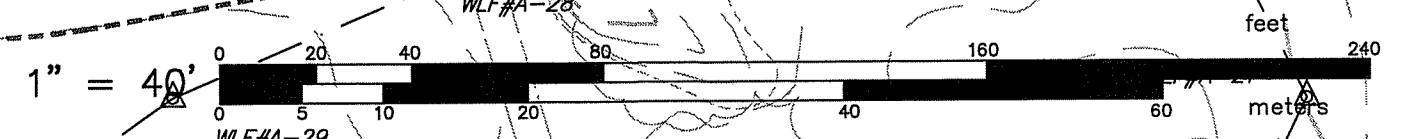
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SCALE: AS SHOWN	APPROVED S.S.H.
DATE: APRIL 2023	

SHEET
C-13
 14 OF 22 SHEETS

FOR CONT. SEE SHT. C-12

FOR CONT. SEE SHT. C-12



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EROSION CONTROL & SOIL STABILIZATION PROGRAM:

1. DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
3. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
4. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS/ACRE.
5. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
6. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS.
7. THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
8. THE DESIGN MIX FOR TEMPORARY EROSION CONTROL AND SOIL STABILIZATION SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
CREeping RED FESCUE	70
ASTORIA BENTGRASS	5
BIRDFOOT TREEFOIL	15
PERENNIAL RYEGRASS	10

APPLICATION RATE 100 LBS/ACRE

LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.

9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE (1) YEAR, AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
11. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS OR FLOOD PLAINS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED AND COMPLETELY ENCLOSED WITH A CONTINUOUS LINE OF STAKED HAYBALES AND/OR SILTFENCE. (SEE DETAIL)
13. ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.

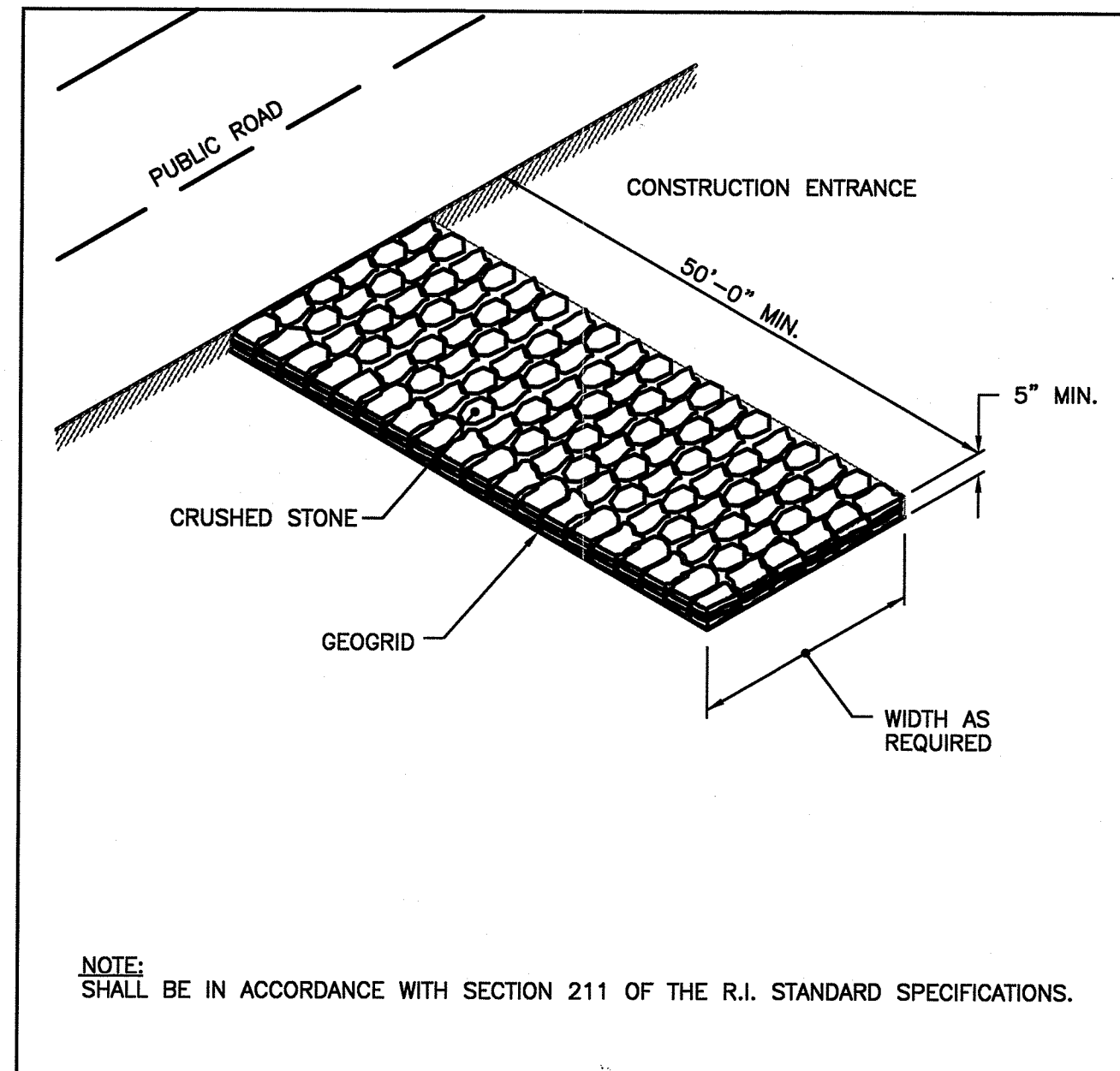
SEQUENCE AND STAGING OF LAND

DISTURBING ACTIVITIES:

1. SURVEY AND STAKE THE DRAINAGE STRUCTURES, LIMIT OF WORK AND SEDIMENTATION BARRIERS.
2. PLACE SEDIMENTATION BARRIERS (SILT SOCK) AS SHOWN ON THE PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS.
3. BEGIN GRADING AND DRAINAGE WORK (CLEARING AND GRUBBING, EXCAVATING AND GRADING, ETC.). TOP SOIL TO BE STRIPPED AND STOCKPILED IN APPROVED AREAS. THE STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIER AND COVERED OR TEMPORARILY SEEDED.
4. INSTALL DRAINAGE SYSTEM. INSTALL SEDIMENT PROTECTION IMMEDIATELY AFTER INSTALLATION.
5. COMPLETE SITE GRADING.
6. INSTALL BMPs IN ACCORDANCE WITH PLANS. SEDIMENT CONTROLS SHALL BE MAINTAINED AT THE BMP STRUCTURES UNTIL THE BINDER COURSE OF PAVEMENT IS INSTALLED AND DISTURBED AREAS ARE STABILIZED WITH VEGETATION.
7. COMPLETE LANDSCAPING AND PERMANENT STABILIZATION. SWEEP THE ROADWAY AREAS TO REMOVE ALL SEDIMENTS.
8. FLUSH AND/OR REPAIR DRAINAGE AREAS AS NEEDED.
9. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.

SEDIMENTATION CONTROL PROGRAM:

1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY SEDIMENTS FROM ENTERING THE STATE HIGHWAY OR ADJOINING PROPERTIES.
2. BANKS OR SLOPES OVER 5% SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
3. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
5. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
6. ADDITIONAL SILT SOCKS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.

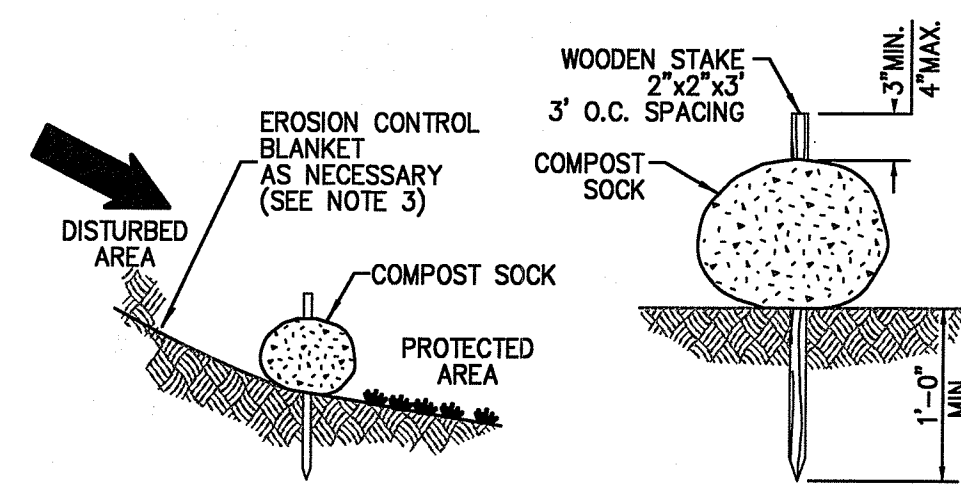


REVISIONS		
NO.	BY	DATE

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CONSTRUCTION ACCESS

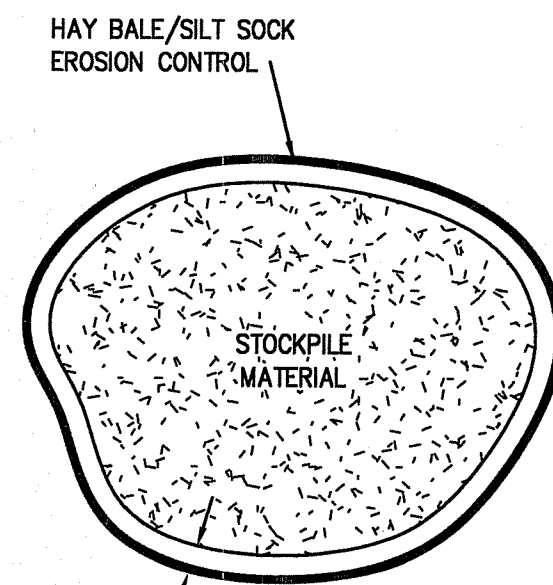
JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 9.9.0

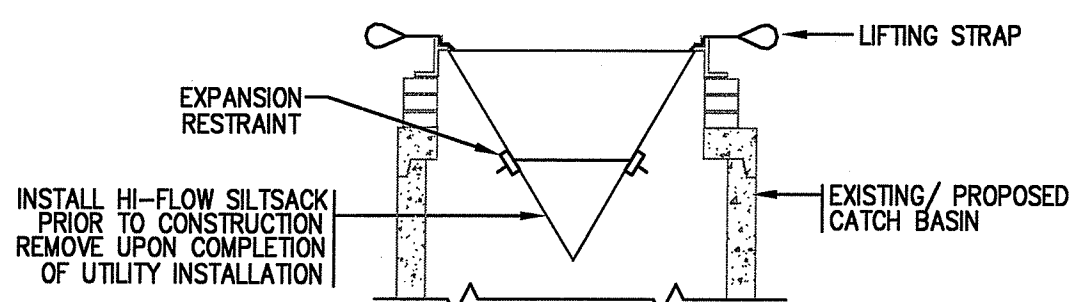


- NOTES:
1. COMPOST SOCK SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. COMPOST SOCK SHALL BE A MINIMUM OF 8" IN DIAMETER.
 2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
 3. WHEN PLACING COMPOST SOCK ON SLOPES, USE EROSION CONTROL BLANKET IF SPECIFIED ON PLANS.
 4. ALWAYS INSTALL COMPOST SOCK PERPENDICULAR TO SLOPE AND ALONG CONTOUR LINES.
 5. REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE COMPOST SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST SOCK.
 6. WHERE COMPOST SOCK IS INSTALLED ON PAVEMENT SHALL BE ADEQUATELY HIGH AT 8"-0" O.C. MIN.

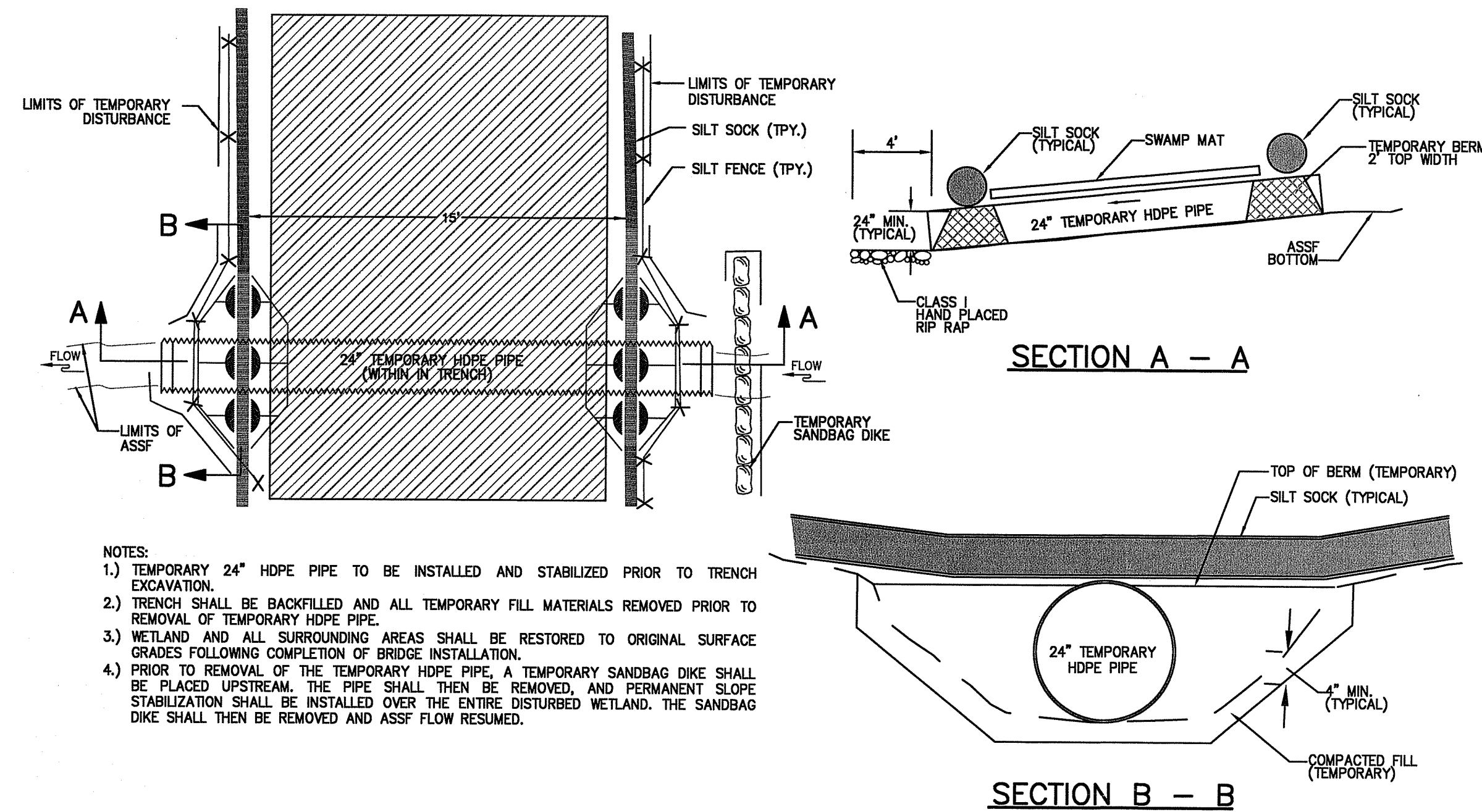
COMPOST SILT SOCK DETAIL
NOT TO SCALE



STOCKPILE DETAIL
NOT TO SCALE

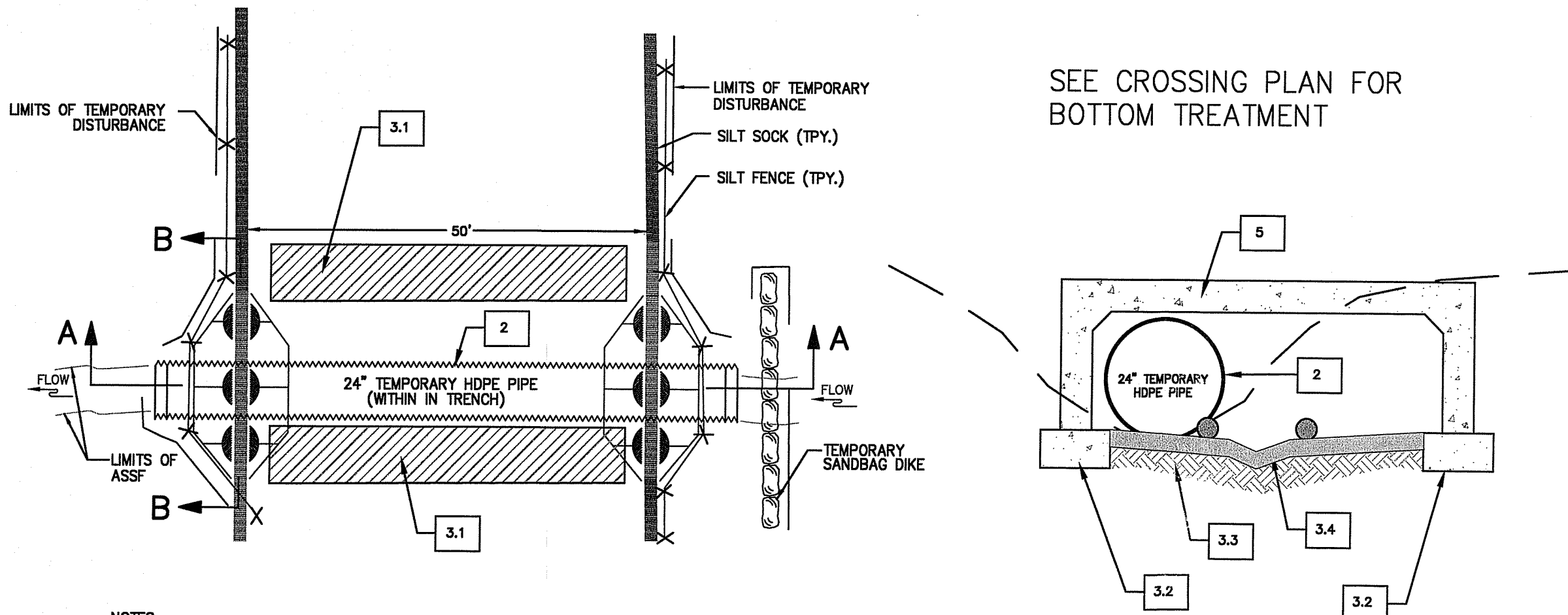


SILTSACK AT CATCH BASIN DETAIL
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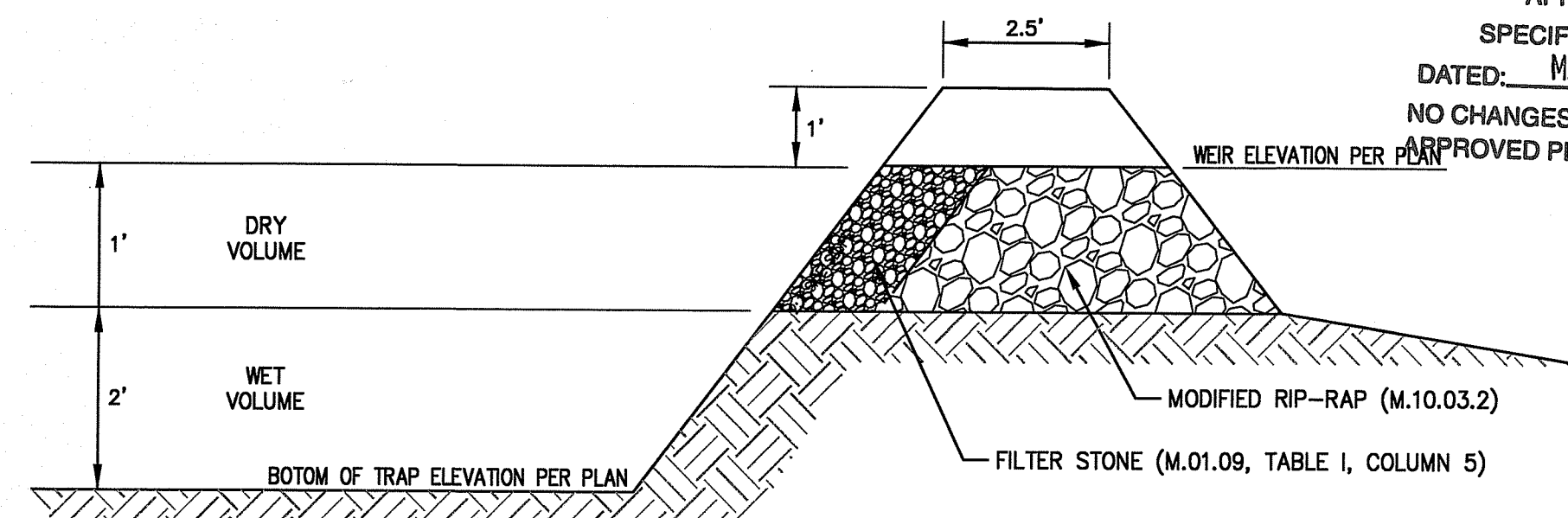
- NOTES:
1. TEMPORARY 24" HDPE PIPE TO BE INSTALLED AND STABILIZED PRIOR TO TRENCH EXCAVATION.
 2. TRENCH SHALL BE BACKFILLED AND ALL TEMPORARY FILL MATERIALS REMOVED PRIOR TO REMOVAL OF TEMPORARY HDPE PIPE.
 3. WETLAND AND ALL SURROUNDING AREAS SHALL BE RESTORED TO ORIGINAL SURFACE GRADES FOLLOWING COMPLETION OF BRIDGE INSTALLATION.
 4. PRIOR TO REMOVAL OF THE TEMPORARY HDPE PIPE, A TEMPORARY SANDBAG DIKE SHALL BE PLACED UPSTREAM. THE PIPE SHALL THEN BE REMOVED, AND PERMANENT SLOPE STABILIZATION SHALL BE INSTALLED OVER THE ENTIRE DISTURBED WETLAND. THE SANDBAG DIKE SHALL THEN BE REMOVED AND ASSF FLOW RESUMED.

TEMPORARY WETLAND UTILITY CROSSING
NOT TO SCALE



- NOTES:
1. BOX CULVERT SHALL BE INSTALLED DURING DRY WEATHER MONTHS ONLY.
 2. TEMPORARY 24" HDPE PIPE TO BE INSTALLED AND STABILIZED PRIOR TO FOOTING EXCAVATION.
 3. THE FOLLOWING SEQUENCE OF INSTALLATION IS REQUIRED ONLY AFTER TEMPORARY CULVERT IS IN PLACE, FULLY FUNCTIONAL AND ALL EROSION MEASURES/SANDBAGS INSTALLED:
 - 3.1. EXCAVATE CULVERT FOOTING TRENCHES BACKFILL WITH AGGREGATE BASE
 - 3.2. INSTALL CONTINUOUS FOOTINGS, BOTH SIDES
 - 3.3. PLACE BOTTOM MATERIAL/CHOKING, FORM AND INSTALL FLOW CHANNEL. SHIFT CULVERT AS REQUIRED FROM COMPLETION OF NEW BOTTOM INSTALLATION.
 - 3.4. INSTALL SILT SOCKS ON BOTH SIDES OF FLOW CHANNEL.
 4. AFTER COMPLETION, REMOVE HDPE PIPE - PRIOR TO REMOVAL OF THE TEMPORARY HDPE PIPE A TEMPORARY SANDBAG DIKE SHALL BE PLACED UPSTREAM. THE PIPE SHALL THEN BE REMOVED, AND TEMPORARY SLOPE STABILIZATION SHALL BE INSTALLED OVER THE ENTIRE DISTURBED WETLAND. THE SANDBAG DIKE SHALL THEN BE REMOVED AND ASSF FLOW RESUMED THROUGH THE FLOW CHANNEL.
 5. PLACE BOX CULVERT OVER CHANNEL
 - 5.1. INSTALL BOX CULVERT SECTIONS.
 - 5.2. INSTALL HEADWALLS
 6. A TEMPORARY SANDBAG DIKE SHALL BE PLACED UPSTREAM AND PERMANENT SLOPE STABILIZATION SHALL BE INSTALLED OVER THE ENTIRE DISTURBED WETLAND.
 7. WETLAND AND ALL SURROUNDING AREAS SHALL BE RESTORED TO ORIGINAL SURFACE GRADES FOLLOWING COMPLETION OF CULVERT INSTALLATION.

WETLAND CROSSING - WATER MANAGEMENT DIAGRAM
NOT TO SCALE



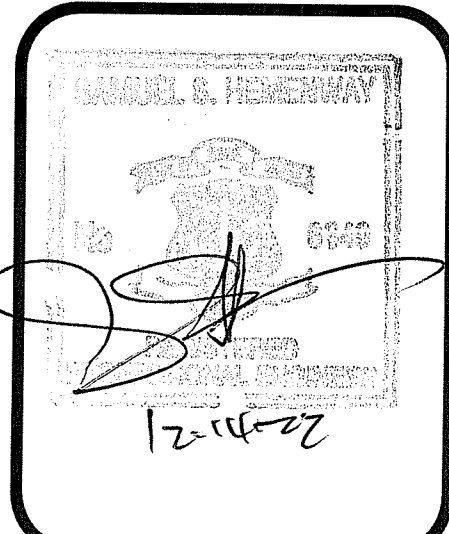
TEMPORARY SEDIMENT TRAP AND OUTLET DETAIL
NOT TO SCALE

CONSTRUCTION DETAILS - I

FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
2	PER RIDEM COMMENTS	SSH	12/15/23

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OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 20 2025 FILE # 2025-18
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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JOB NO. 7375-00	DRAWN BY K.Y.Y.
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	DATE: APRIL 2023

SHEET
C-14
15 OF 22 SHEETS

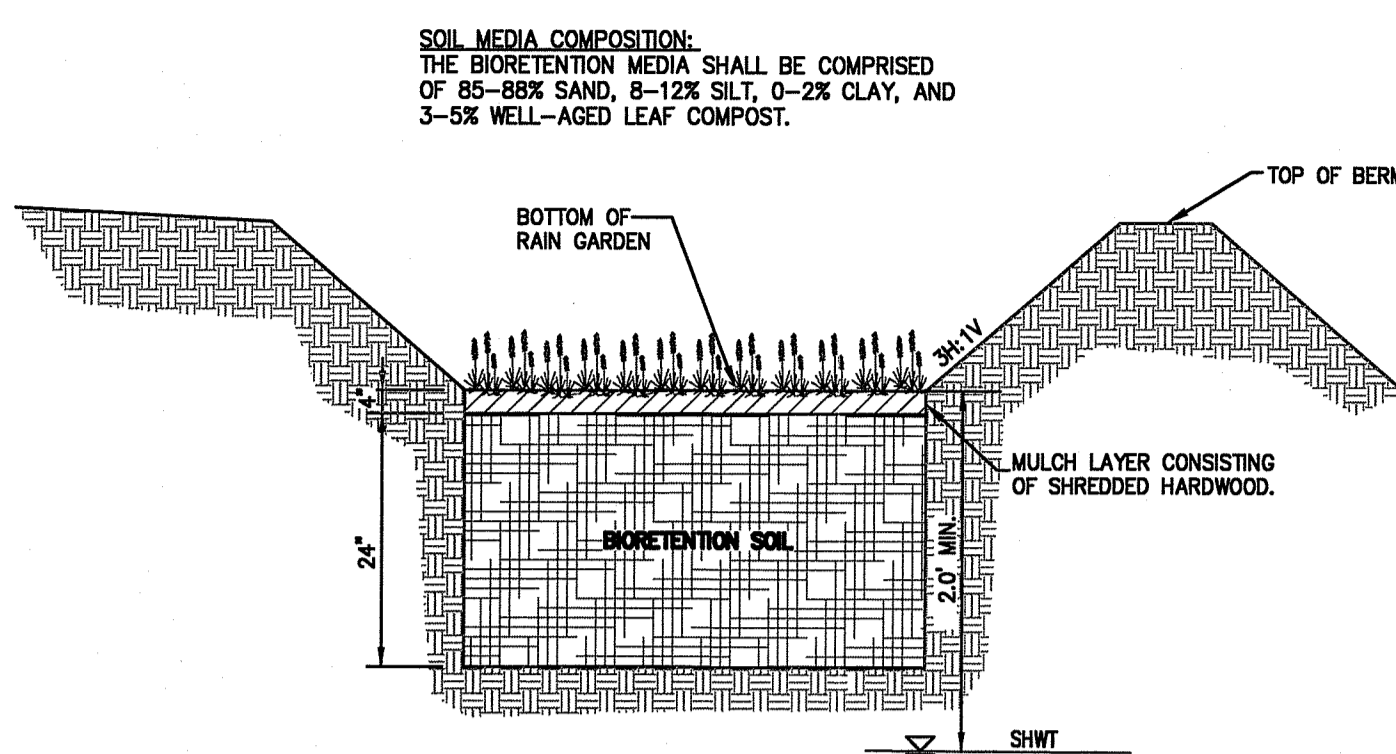
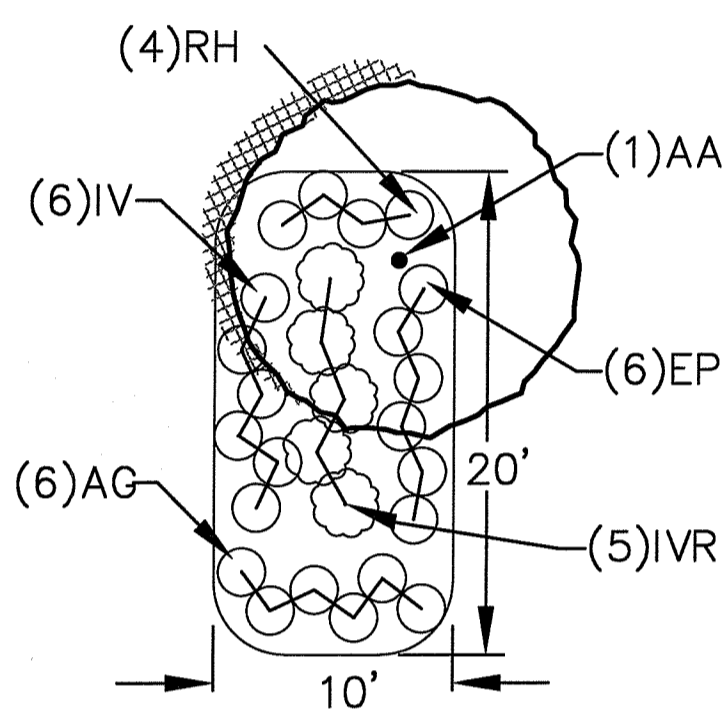
PLANT LIST:

CANOPY TREE				
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE	NOTE
AA	AMELANCHIER 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SHADBLOW	1	7'-0" B&B	CLUMP

SHRUB				
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE	NOTE
IVR	ILEX VERTICILLATA 'RED SPRITE' RED SPRITE WINTER BERRY	5	#2 CONTAINER	

GROUNDCOVERS, PERENNIALS, AND VINES				
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE	NOTE
AG	ANDROPOGON GLOMERATUS BUSHY BLUESTEM	6	#1 CONTAINER	
EP	ECHINACEA PURPUREA PURPLE CONEFLOWER	6	#1 CONTAINER	
IV	IRIS VERSICOLOR BLUE FLAG	6	#1 CONTAINER	
RH	RUDEBECKIA HIRTA BLACK EYED SUSAN	4	#1 CONTAINER	

RECOMMENDED BIORETENTION PLANT LIST BASED ON A TYPICAL 200s.f. BOTTOM AREA, OR AS PROVIDED BY LANDSCAPE SPECIALIST.

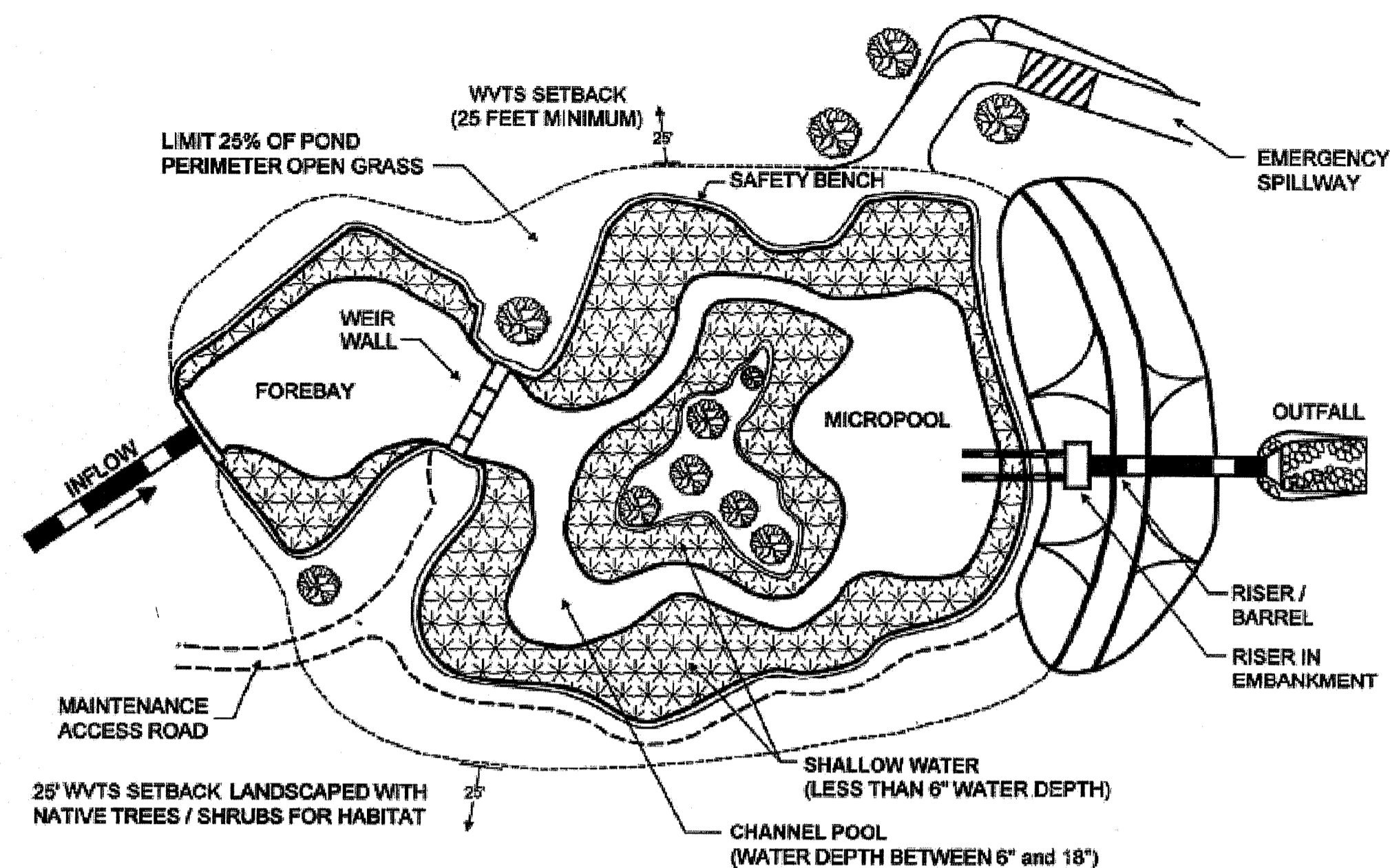


NOTES:

1. THE BIORETENTION BASINS ARE PRIVATELY OWNED AND SHALL BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
2. BIORETENTION BASINS MUST NOT BE CONSTRUCTED UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
3. BOTTOM OF BIORETENTION BASINS SHALL BE PLANTED WITH PLANTS NATIVE TO RHODE ISLAND & IN ACCORDANCE WITH APPENDIX "B" SECTION B.9.3 OF THE RI STORMWATER DESIGN & INSTALLATION MANUAL. SEE TYPICAL PLANTING.

BIORETENTION TYPICAL SECTION

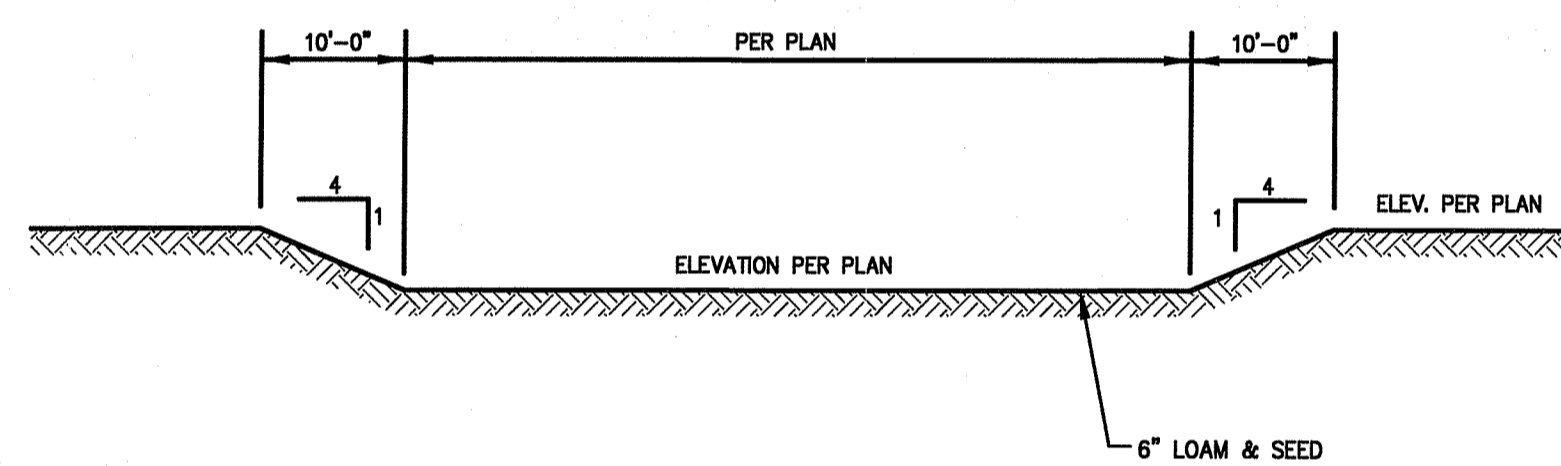
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REFER TO RI STORMWATER INSTALLATION STANDARDS MANUAL (RISDISM)

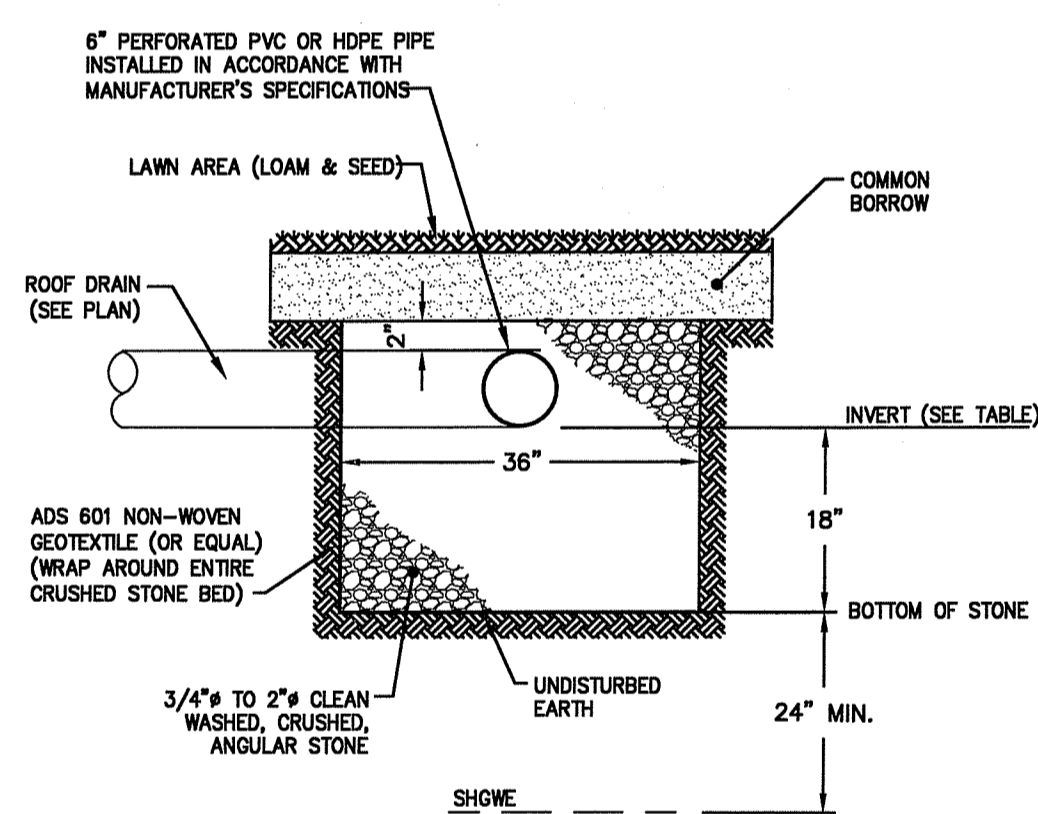
WET VEGETATED TREATMENT SYSTEM SCHEMATIC

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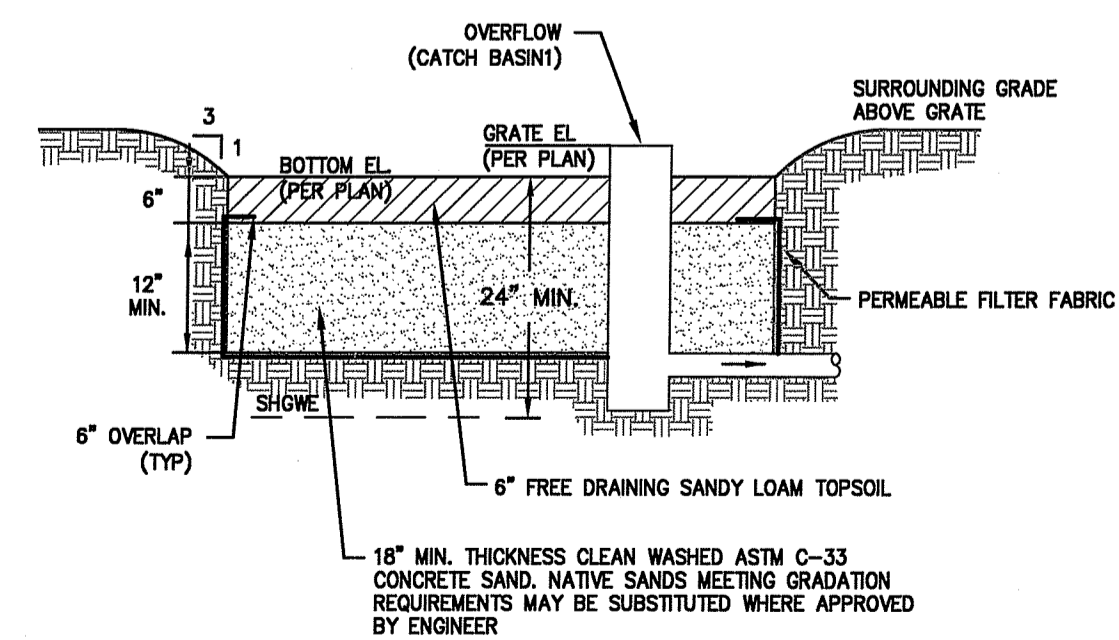
EMERGENCY SPILLWAY

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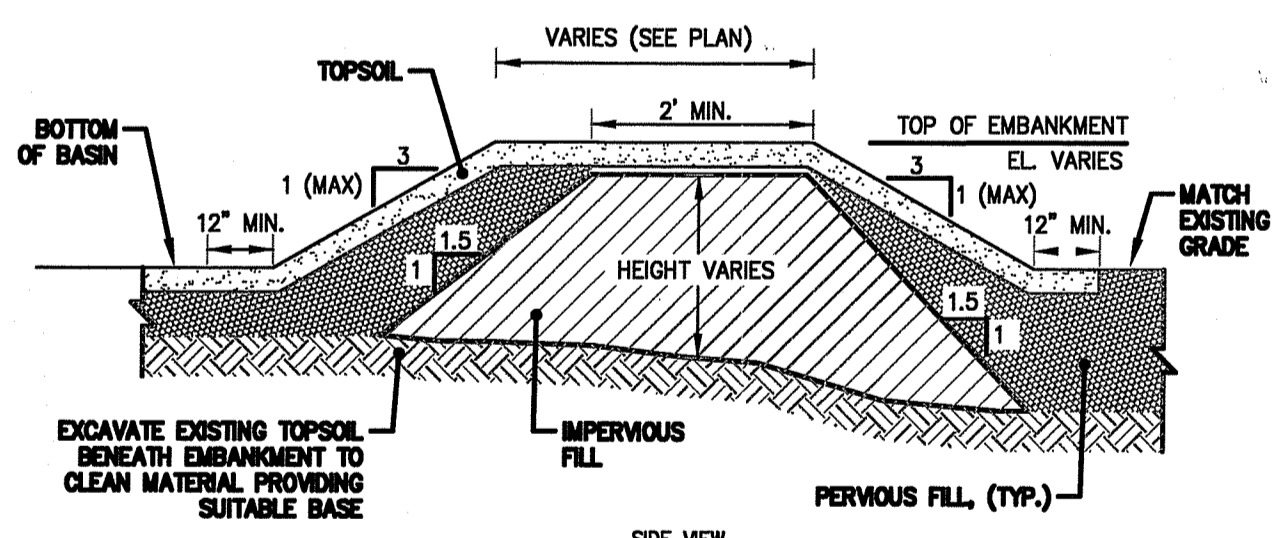
ROOFTOP RECHARGE TRENCH

N.T.S.



ROOFTOP RECHARGE ZONE (INFILTRATION BASIN)

N.T.S.

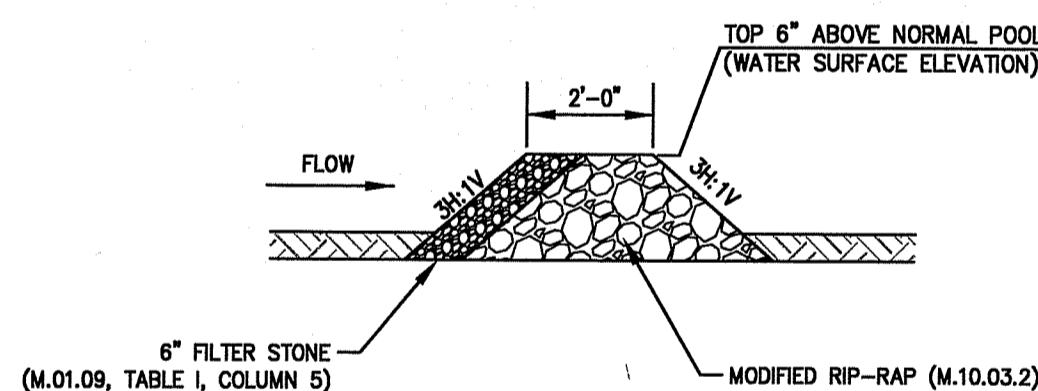


BASIN EMBANKMENTS

N.T.S.

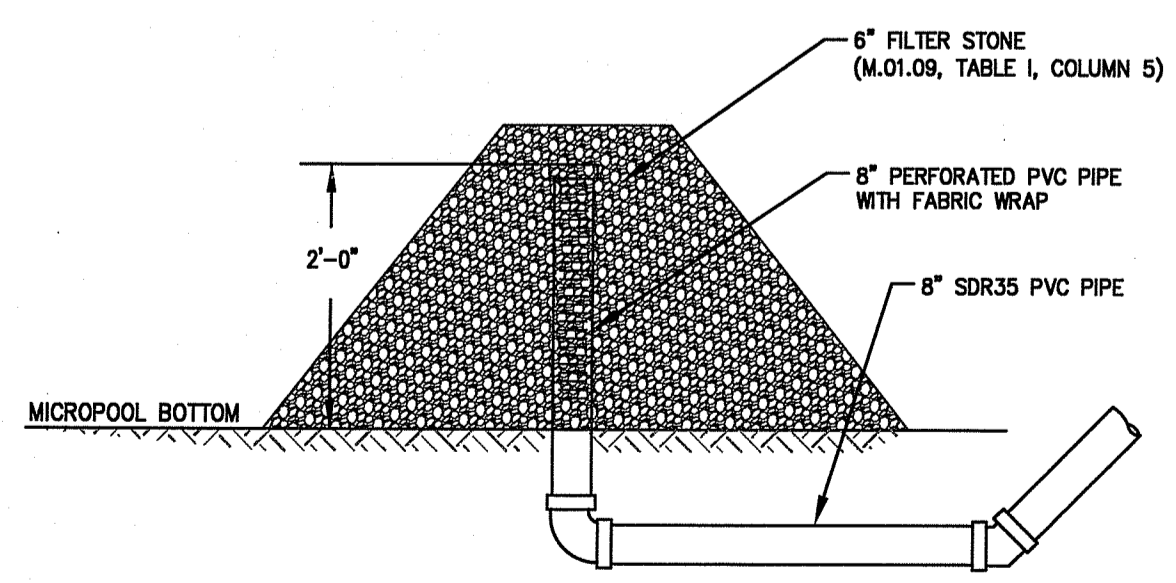
NOTES:

1. IMPERVIOUS MATERIAL FOR USE IN BASIN EMBANKMENT AREAS AND WHERE SHOWN ON THE PLANS SHALL BE COMPOSED OF CLAYS, SILTY CLAYS, OR CLAYEY SILTS. THE SOIL SHALL BE FREE OF RUBBISH, ICE, VEGETATIVE MATTER, LOAM, OR OTHER DEBRIS AND HAVE THE FOLLOWING GRADATION AS DEFINED BY A STANDARD SIEVE TEST (ASTM D422).
- | MIN. PERCENT PASSING (BY WEIGHT) | SIEVE SIZE |
|----------------------------------|------------|
| 100 | 3.5" |
| 80-100 | 3/4" |
| 40-80 | NO. 4 |
| 30-85 | NO. 40 |
| 25-75 | NO. 200 |
2. PERVIOUS BACKFILL MATERIAL FOR USE IN FILL AREAS ASSOCIATED WITH BASIN SHALL BE COMPOSED OF SATISFACTORY ON-SITE MATERIAL OR BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS. SATISFACTORY ON-SITE MATERIAL SHALL HAVE SOIL CLASSIFICATION GROUPS OF OW, GP, GM, SW, SP, AND SM ACCORDING TO ASTM D 2487, OR A COMBINATION OF THESE GROUPS AND SHALL BE FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES (75MM) IN ANY DIMENSION. DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
 3. PIPE INSTALLED THROUGH EMBANKMENT SHALL INCLUDE WATER-TIGHT JOINTS.



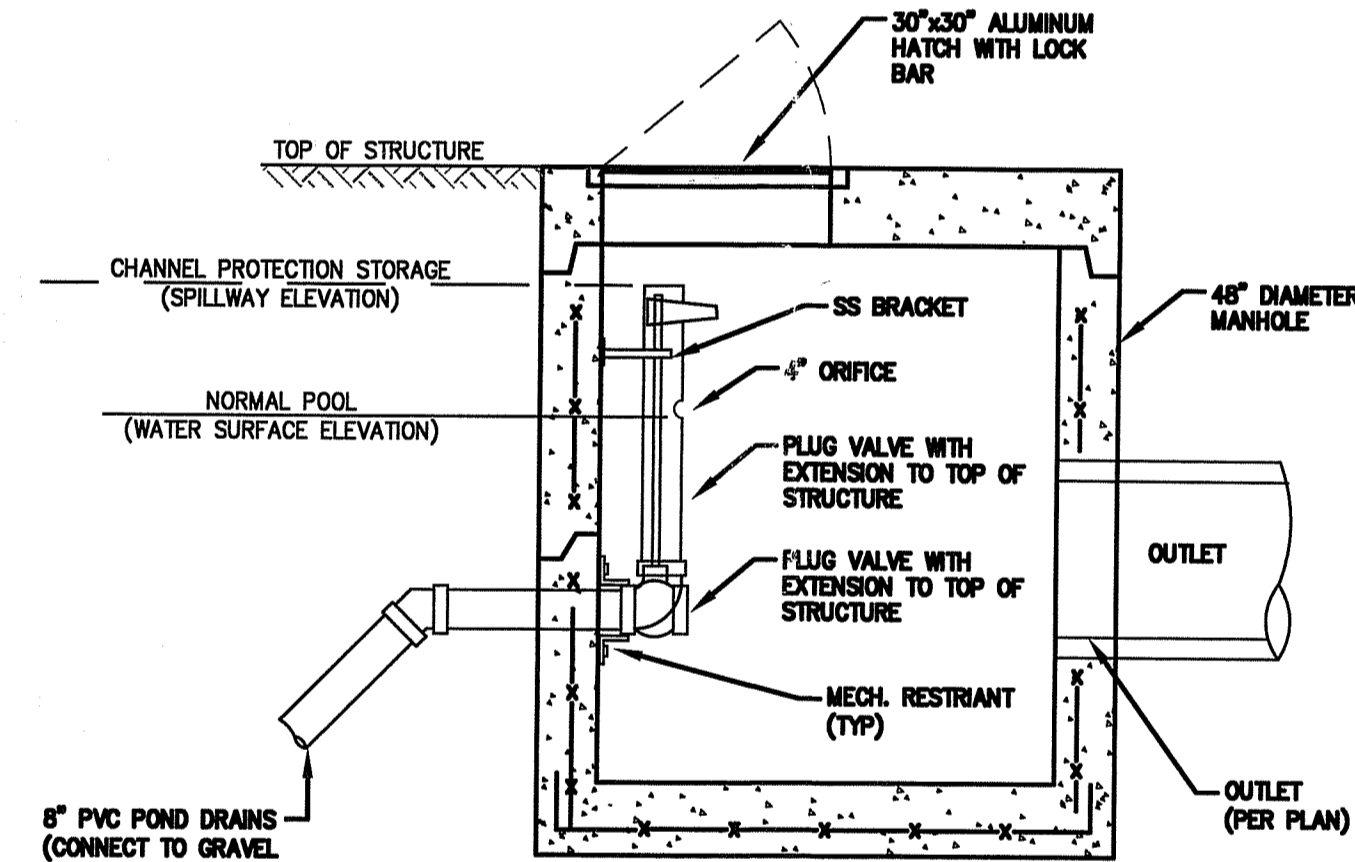
FOREBAY STONE FILTER

N.T.S.

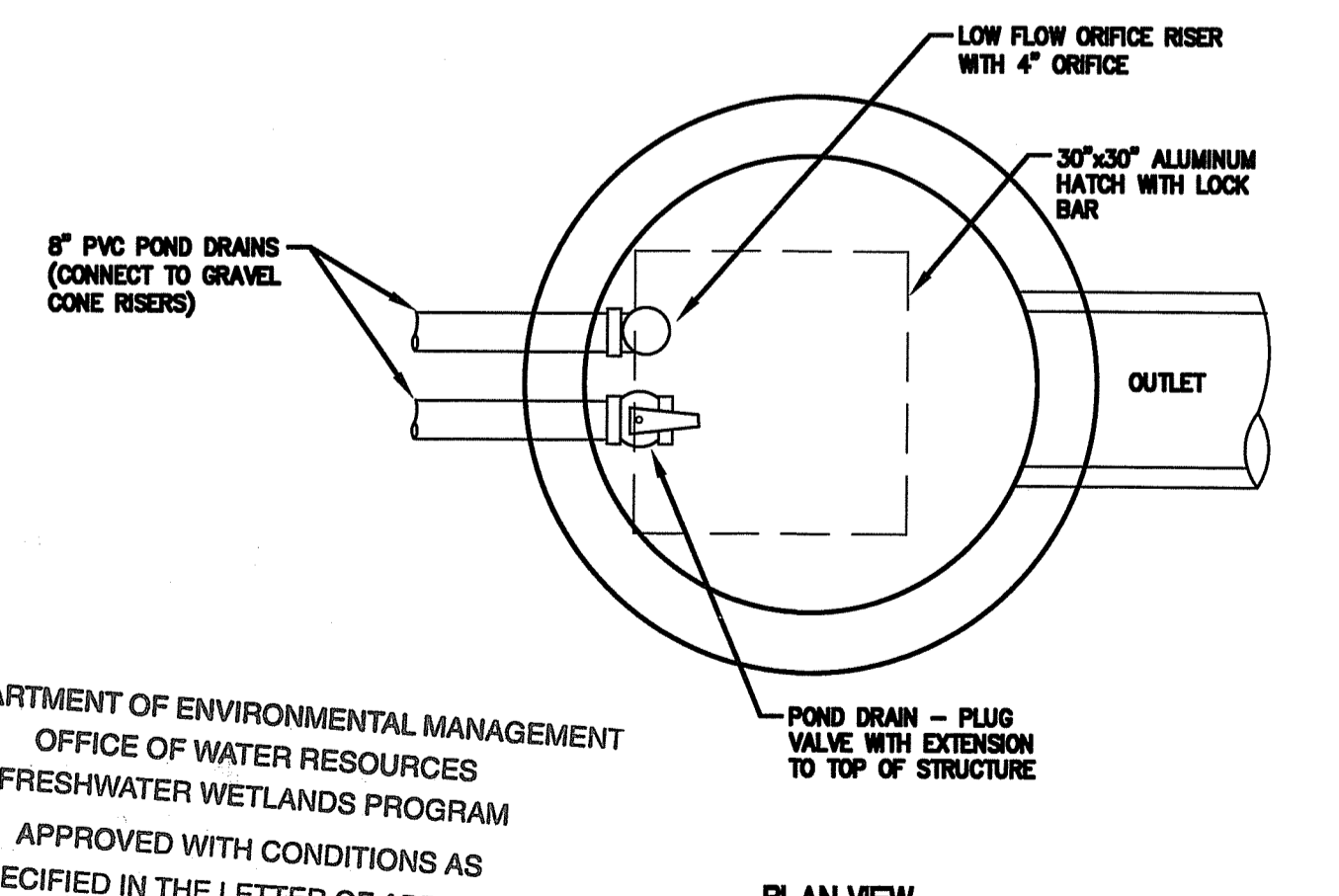


POND DRAIN GRAVEL CONE RISER

N.T.S.



PROFILE VIEW



PLAN VIEW

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED: MAR 20 2025 FILE #: 23-0148
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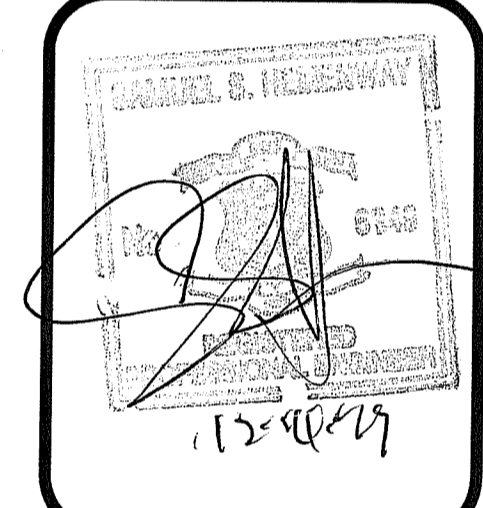
Jonathan D. Worswick

CONSTRUCTION DETAILS - 2

FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23
2	PER RIDEM COMMENTS	SSH	12/15/23

ISSUED FOR PERMIT



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GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

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86 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL: 401-273-6000

JOB NO. 7375-00	DRAWN BY S.S.H.
DWG. NO. 7375-00-DETAILS_R2	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: APRIL 2023

SHEET

C-15

L:\7375-00 89 West Greenville Road - Comprehensive Permit (R63) - Smithfield, RI\7375-00-Details_2.dwg 12/15/2023 kylingang 11.24

CIRCULAR CURB

NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
 3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADI OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
 5. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE CURB
 R.I. STANDARD 7.1.0
 JUNE 15, 1998

6'-0" PRECAST CONCRETE TRANSITION CURB

NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2" x 4" EPOXY COATED DOWEL.
 3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
6'-0" PRECAST CONCRETE TRANSITION CURB
 R.I. STANDARD 7.1.2
 JUNE 15, 1998

TRANSITION LENGTH (FT.)	BATTER (N.)
6.0	1.5
7.0	1.3
8.0	1.2
9.0	1.0
10.0	0.8
15.0	0.6
18.0	0.5

NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADI OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
 3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
 4. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 5. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB
 R.I. STANDARD 7.1.3
 JUNE 15, 1998

CONSTRUCTION METHOD A

CONSTRUCTION METHOD B

NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. BITUMINOUS BERM CAN BE PLACED AT THE SAME TIME THAT THE SURFACE COURSE LAYER IS PLACED ON THE PROJECT ROADWAY, OR IT CAN BE INSTALLED IN A SEPARATE OPERATION.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BITUMINOUS BERM
 R.I. STANDARD 7.5.1
 JUNE 15, 1998

CURB SETTING DETAIL

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
CURB SETTING DETAIL
 R.I. STANDARD 7.6.0
 JUNE 15, 1998

CEMENT CONCRETE SIDEWALK

NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CEMENT CONCRETE SIDEWALK
 R.I. STANDARD 43.1.0
 JUNE 15, 1998

BITUMINOUS CONCRETE SIDEWALK

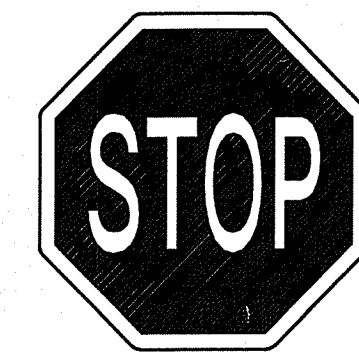
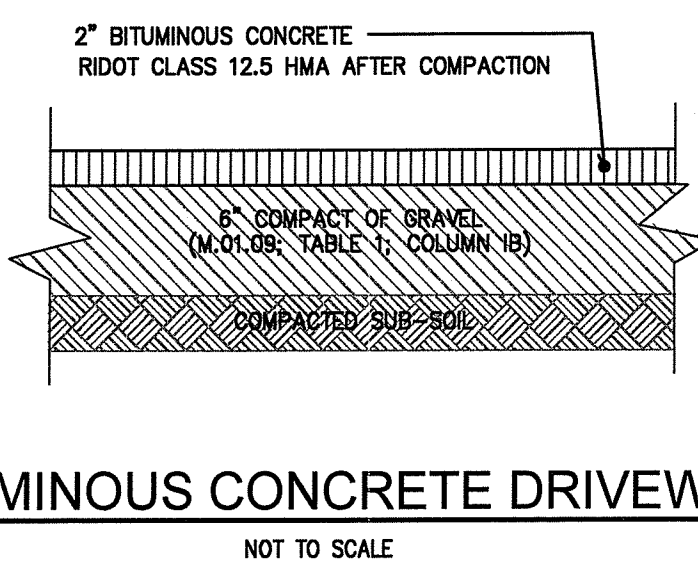
NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BITUMINOUS CONCRETE SIDEWALK
 R.I. STANDARD 43.2.0
 JUNE 15, 1998

TRANSVERSE PAVEMENT CUT AND MATCH

NOTES:
 A BOND BREAKER (TAPERED OR EQUIVALENT) WILL BE PLACED 5'-0" FROM THE JOINT AND COVERED WITH THE BINDER COURSE AS THE TEMPORARY RAMP. PRIOR TO PLACING THE SURFACE COURSE, THE BINDER COURSE AND BOND BREAKER WILL BE REMOVED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
TRANSVERSE PAVEMENT CUT AND MATCH
 R.I. STANDARD 47.1.1
 JUNE 15, 1998



R-1
36" x 36"
SIGNAGE
 NOTE:
 SIGN INSTALLATIONS SHALL BE IN ACCORDANCE WITH RI STD 24.2.0.
 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: MAR 20 2025 FILE #: 230166
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Cynthia D. Johnson

JAN 31 2024

CONSTRUCTION DETAILS -3
 FOR
THE RESIDENCES AT GREENVILLE FARMS
 (A.P. 44, LOT 82)
 SITUATED AT
89 WEST GREENVILLE ROAD
 SMITHFIELD, RHODE ISLAND
 PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE

ISSUED FOR PERMIT

GAROFALO
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 CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
 LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

86 CORLISS STREET
 P.O. BOX 6145
 PROVIDENCE, R.I. 02940
 TEL. 401-273-6000

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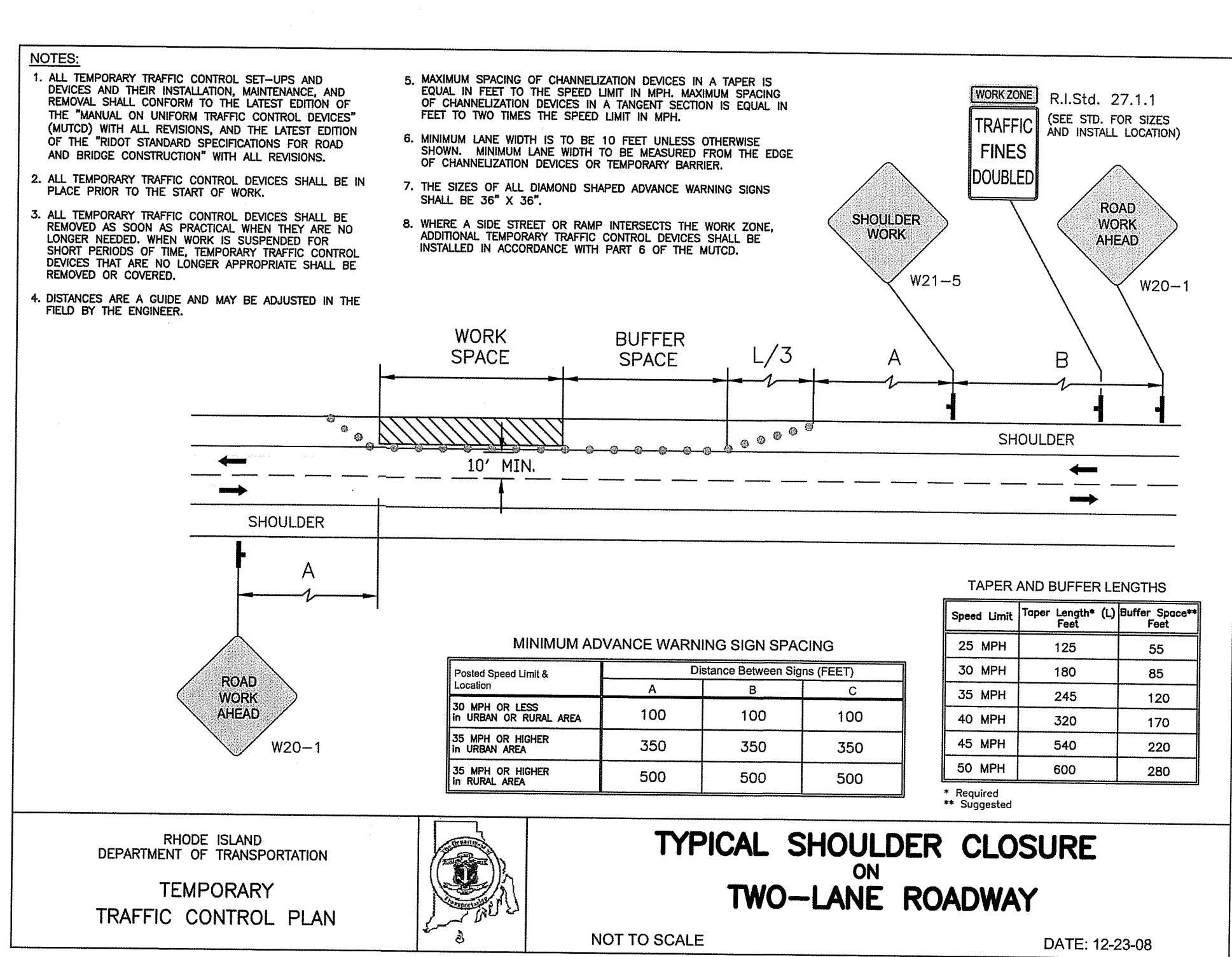
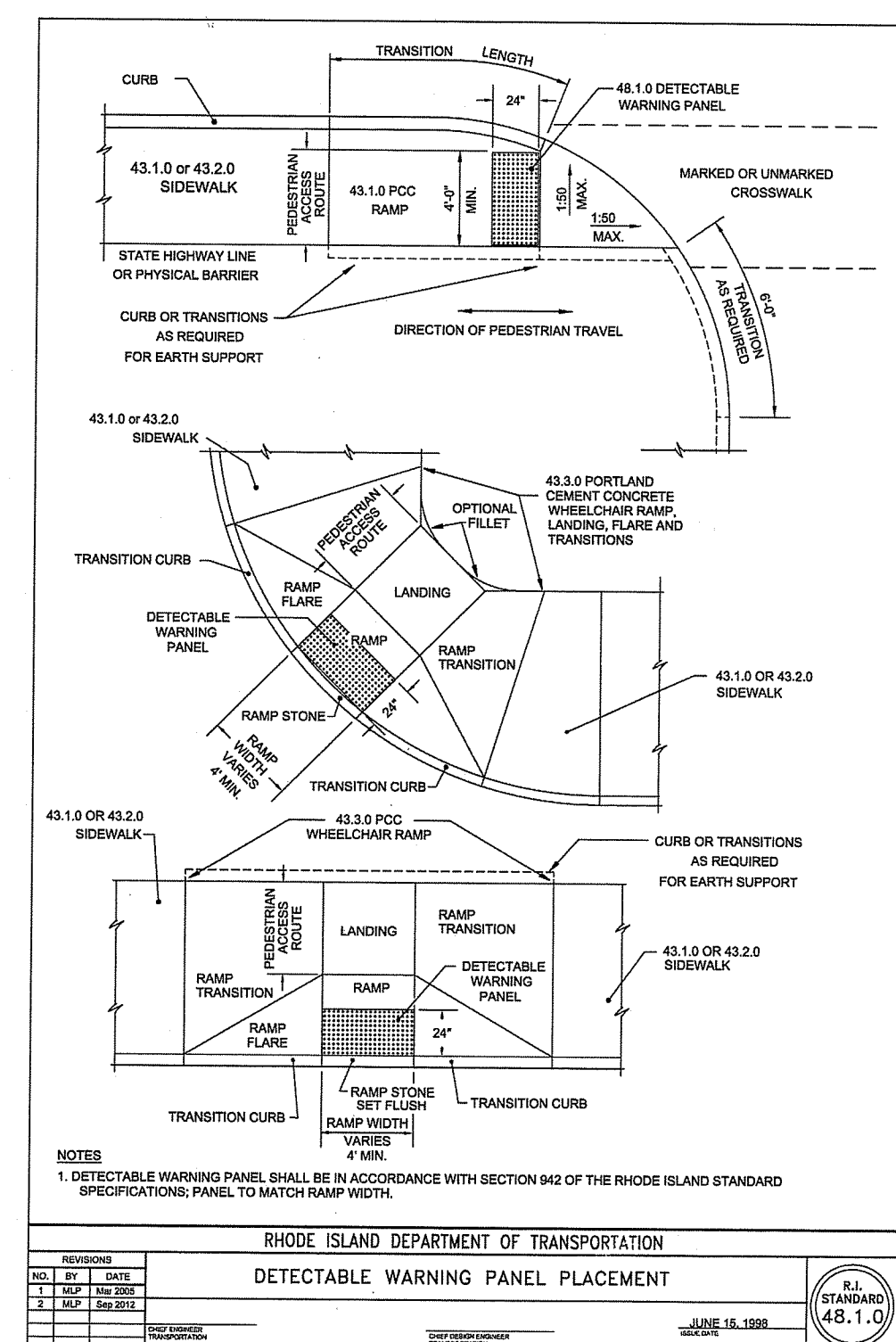
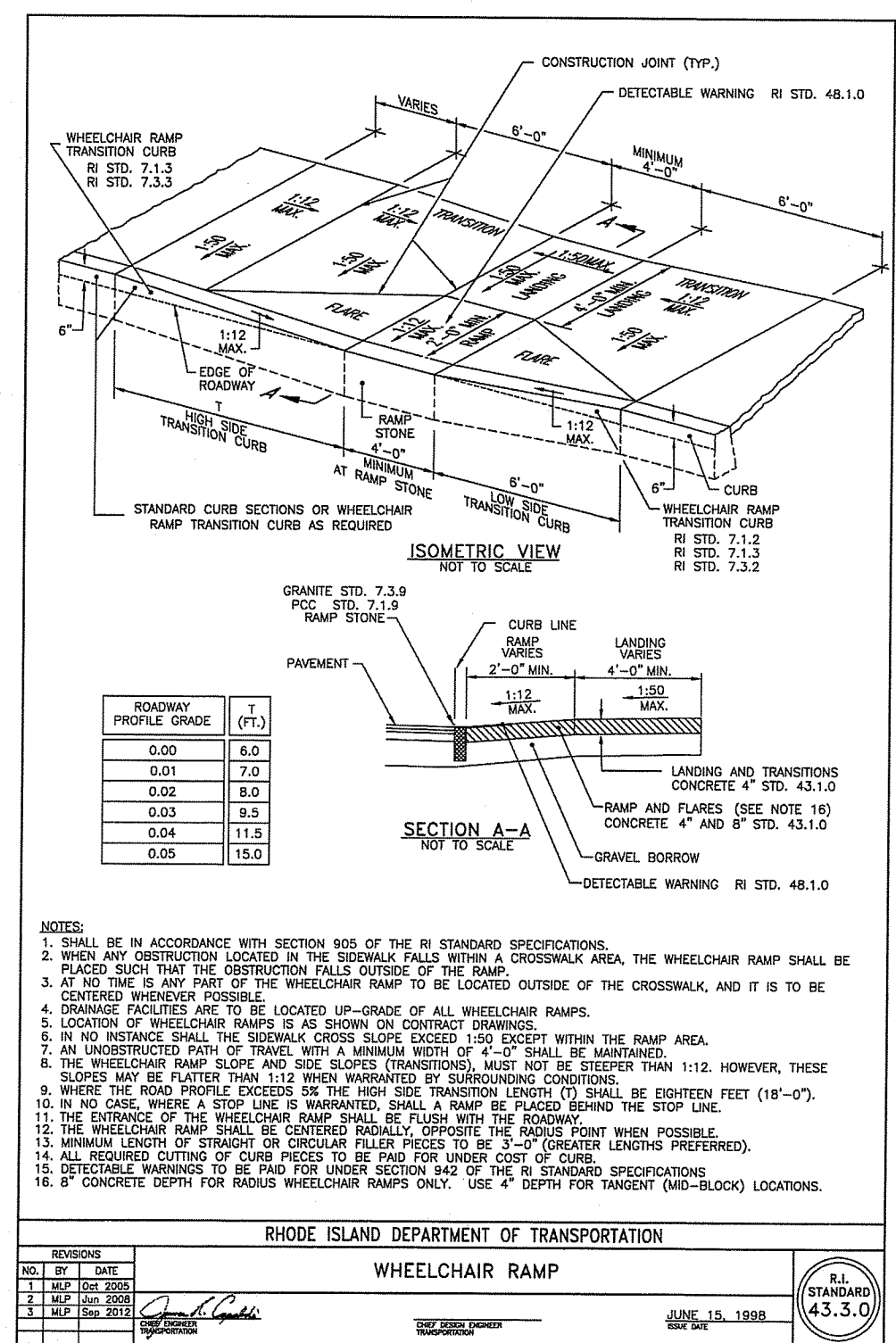
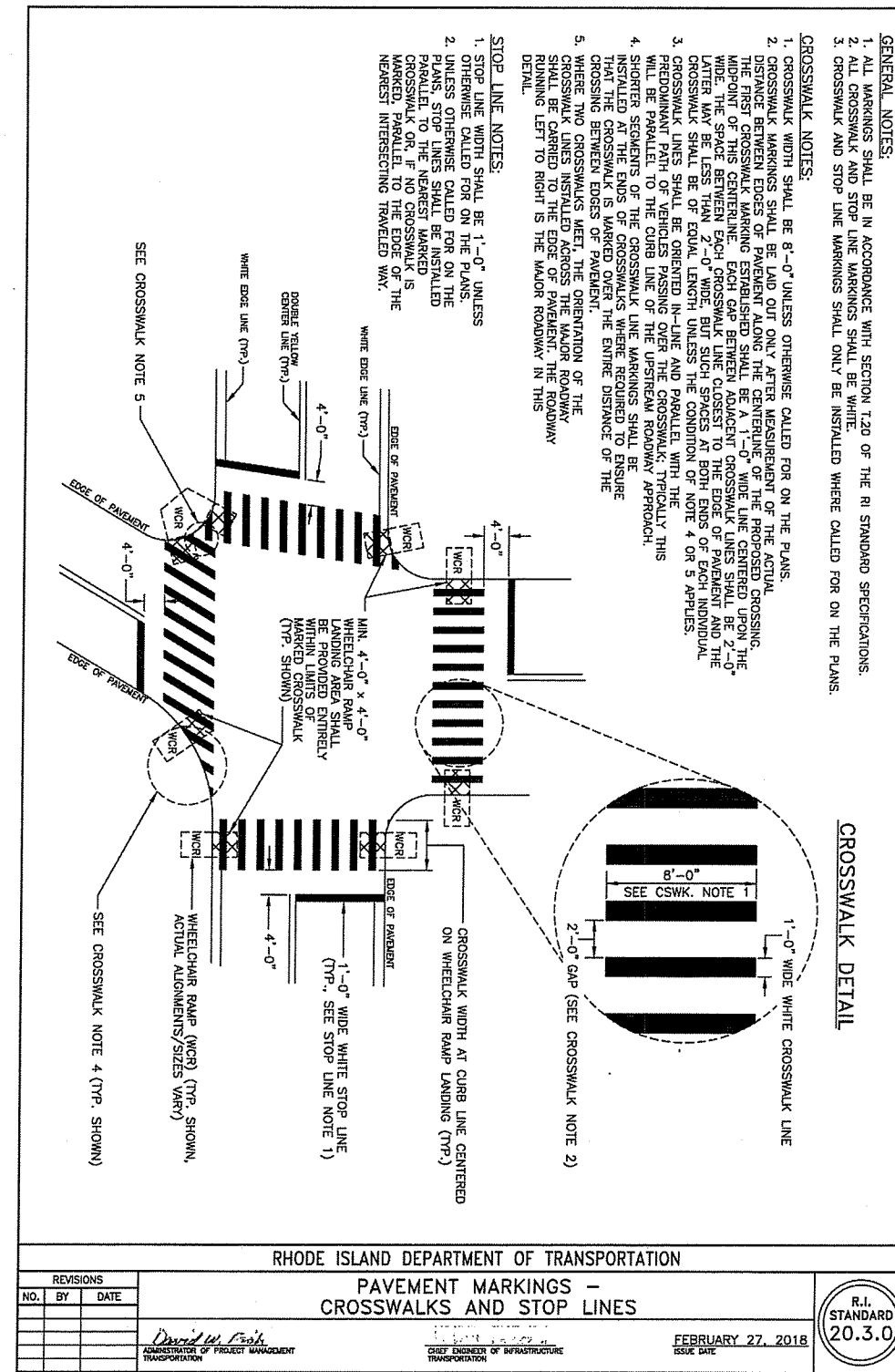
JOB NO. 7375-00	DRAWN BY K.Y.Y.
DWG. NO. 7375-00-DETAILS_R2	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: APRIL 2023

SHEET

C-16

17 OF 22 SHEETS

LY7375-00 89 West Greenville Road - Comprehensive Permit (KREG) - Smithfield, RI_Veg_01-CURRENT\7375-00-Details_2.dwg 12/15/2023 kyngwang 1124

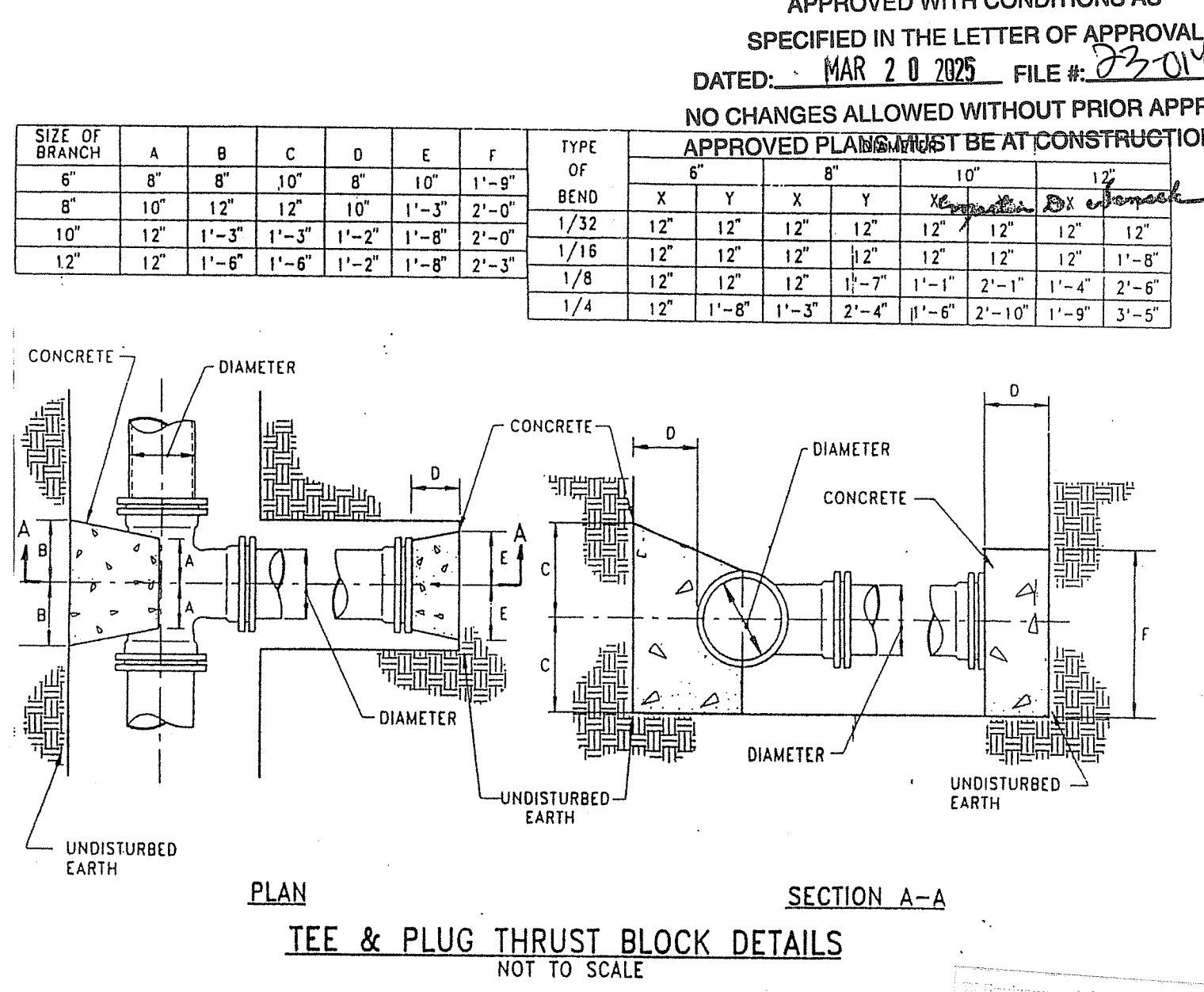
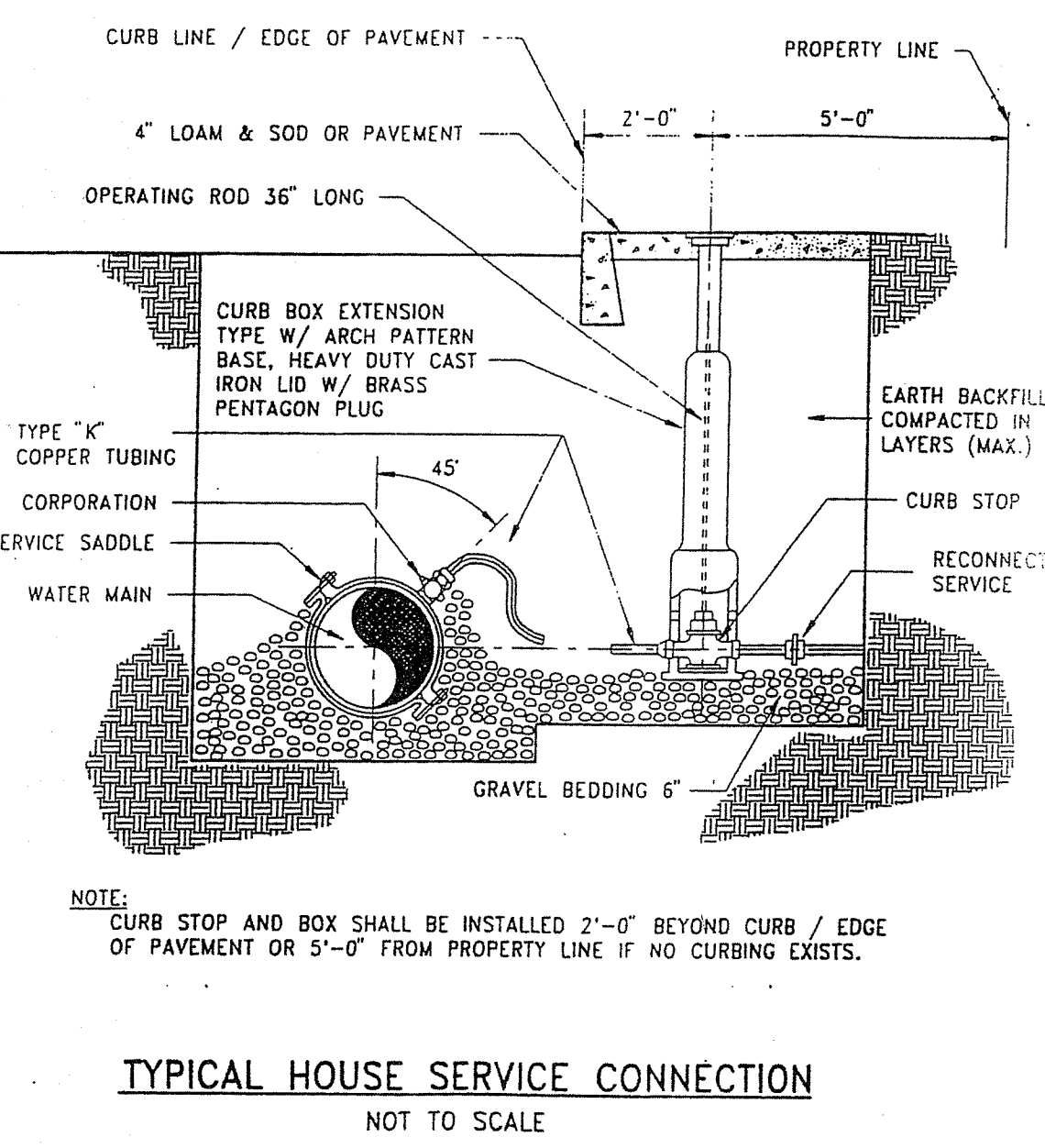
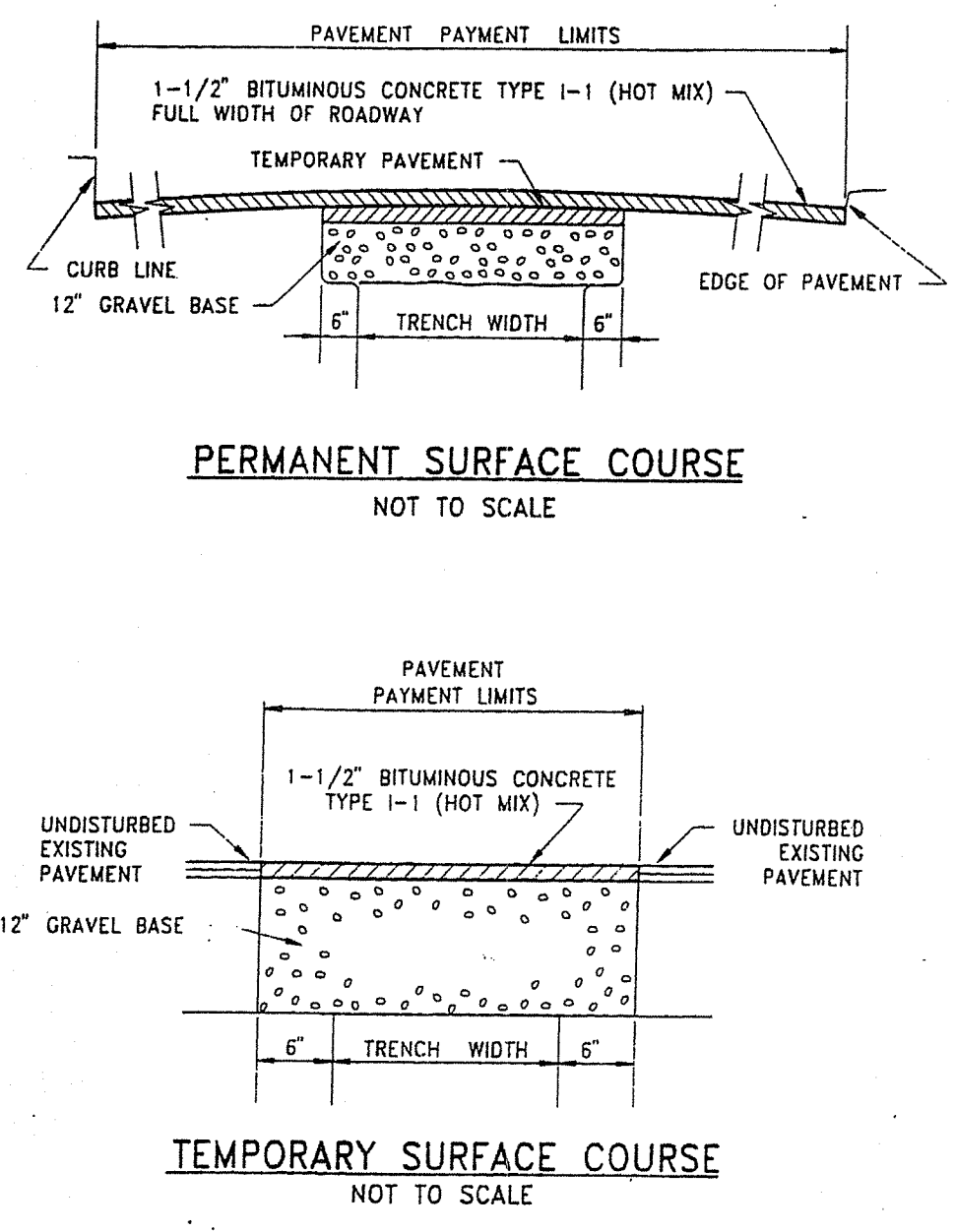
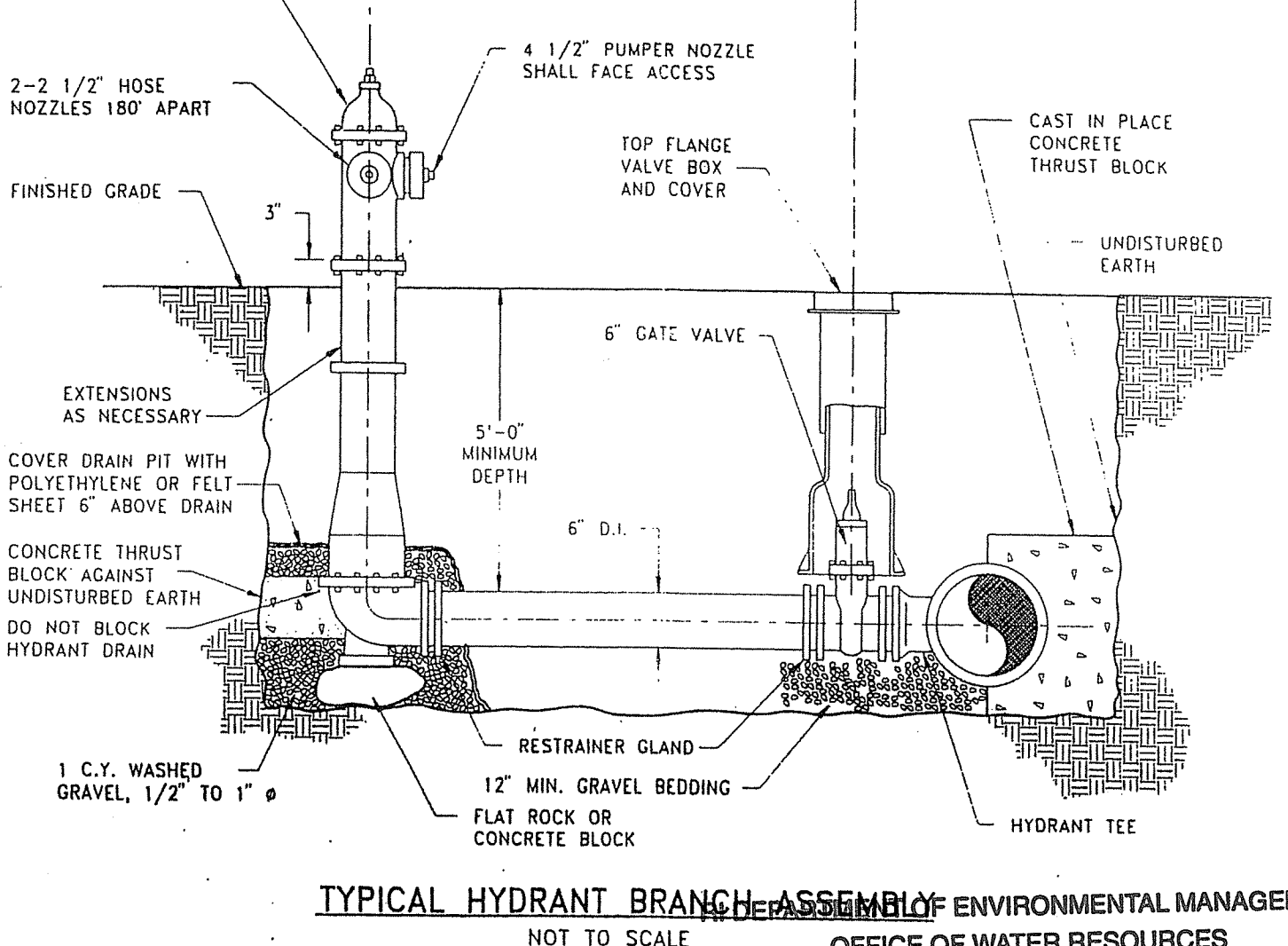
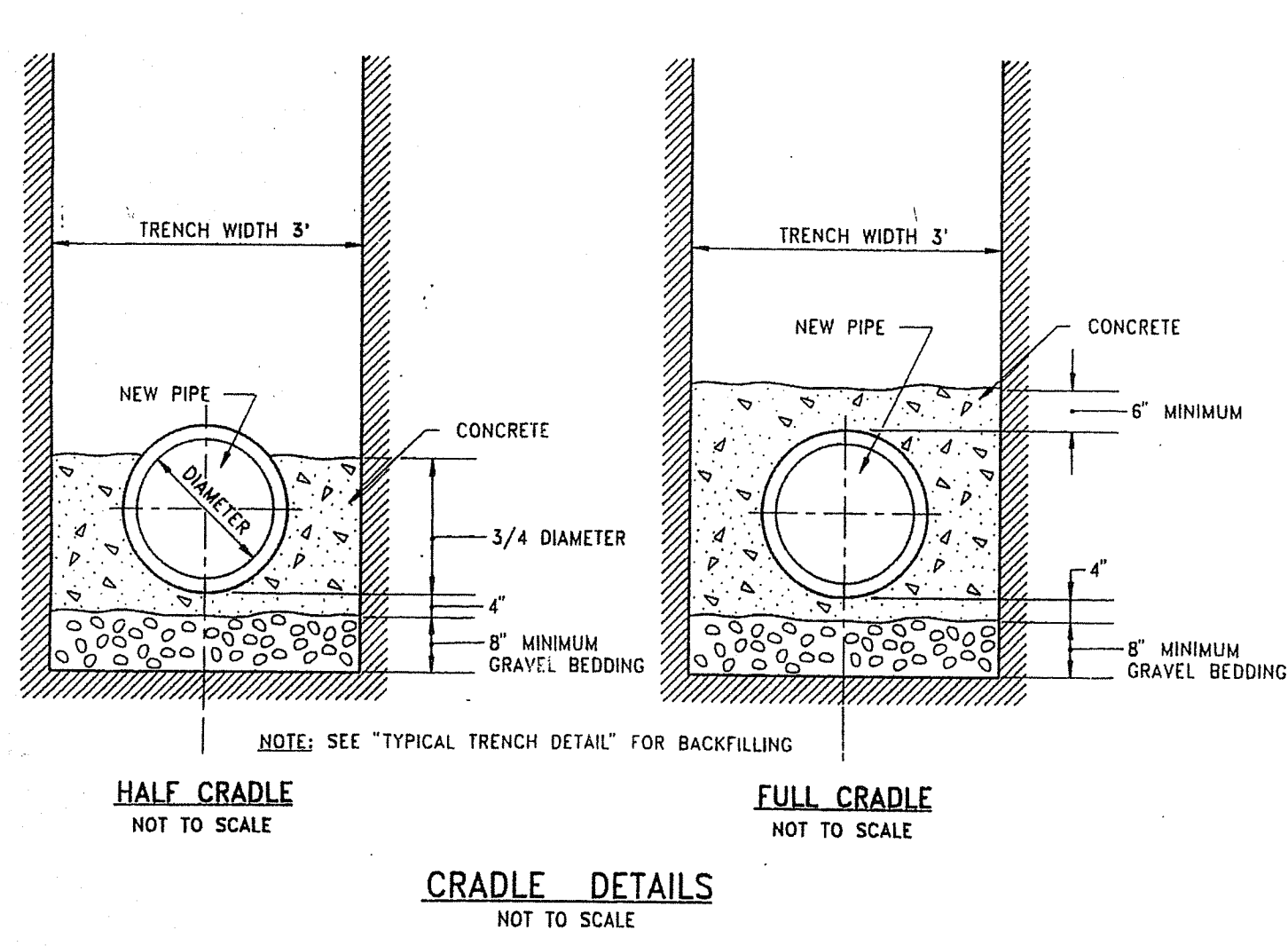
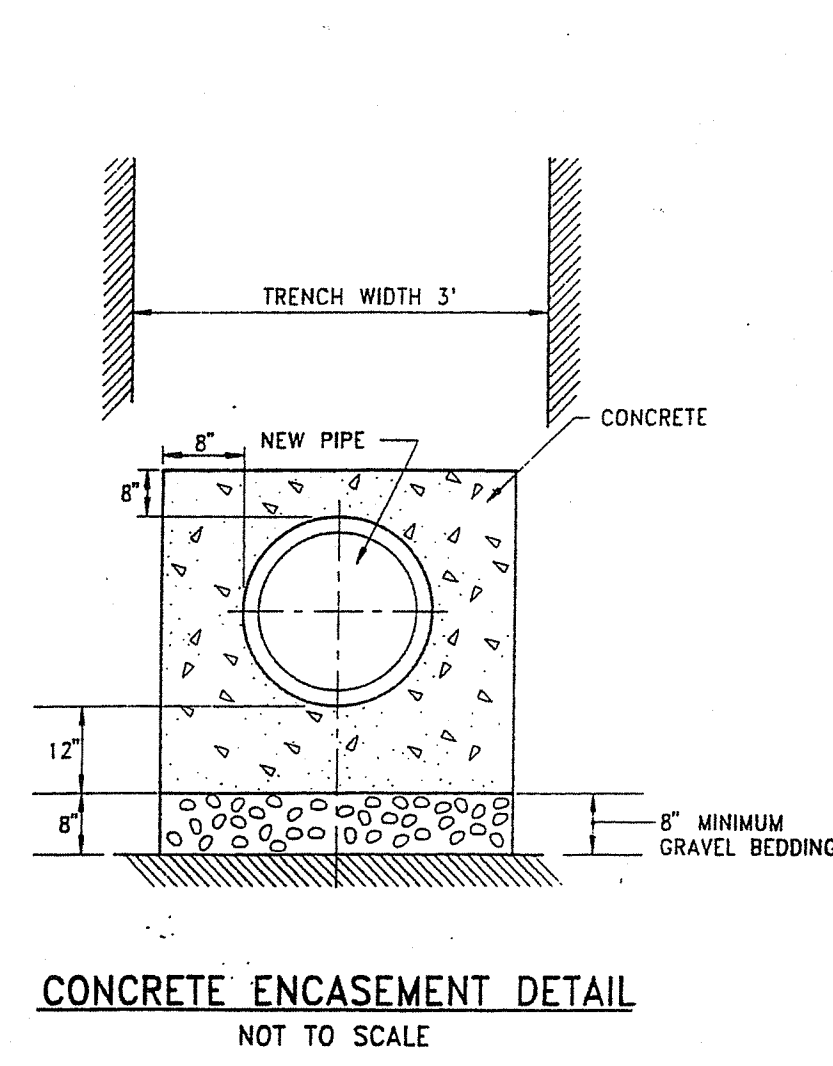
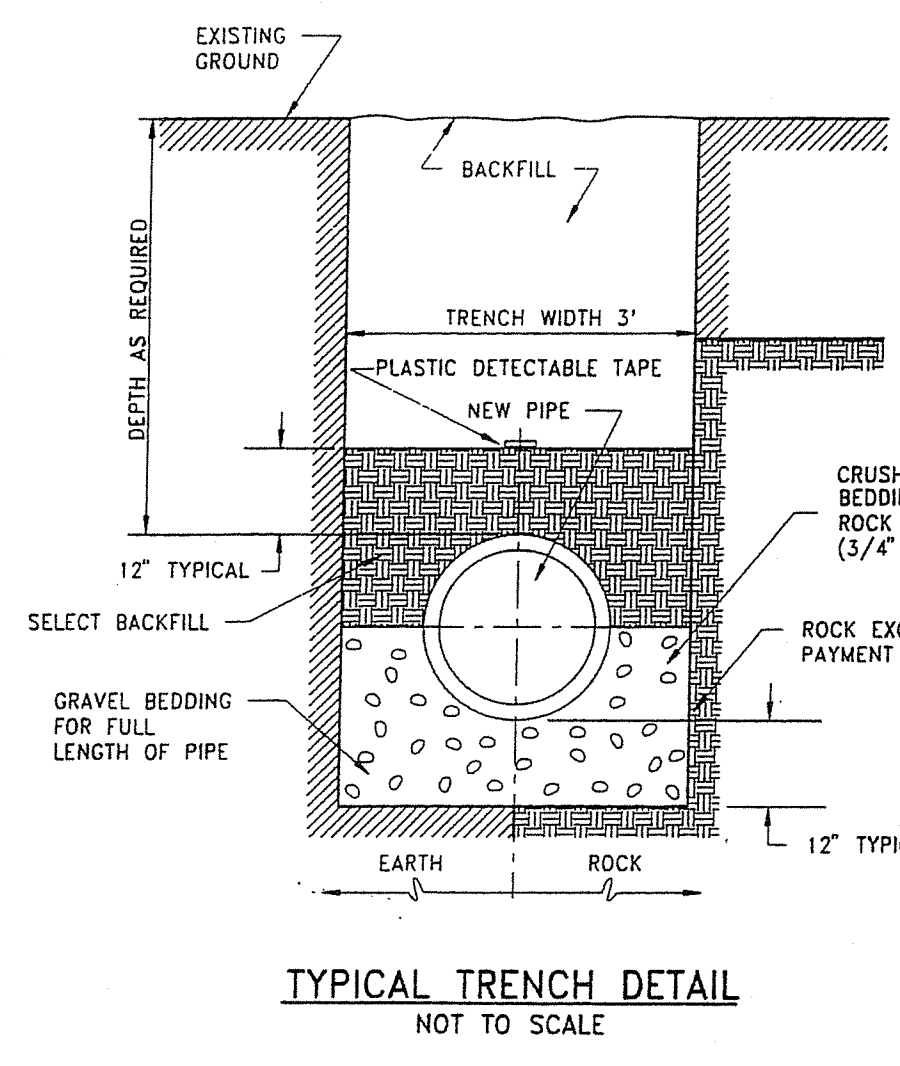


CONSTRUCTION DETAILS - 4

FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND

PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE



ISSUED FOR PERMIT

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02840
TEL. 401-273-6000

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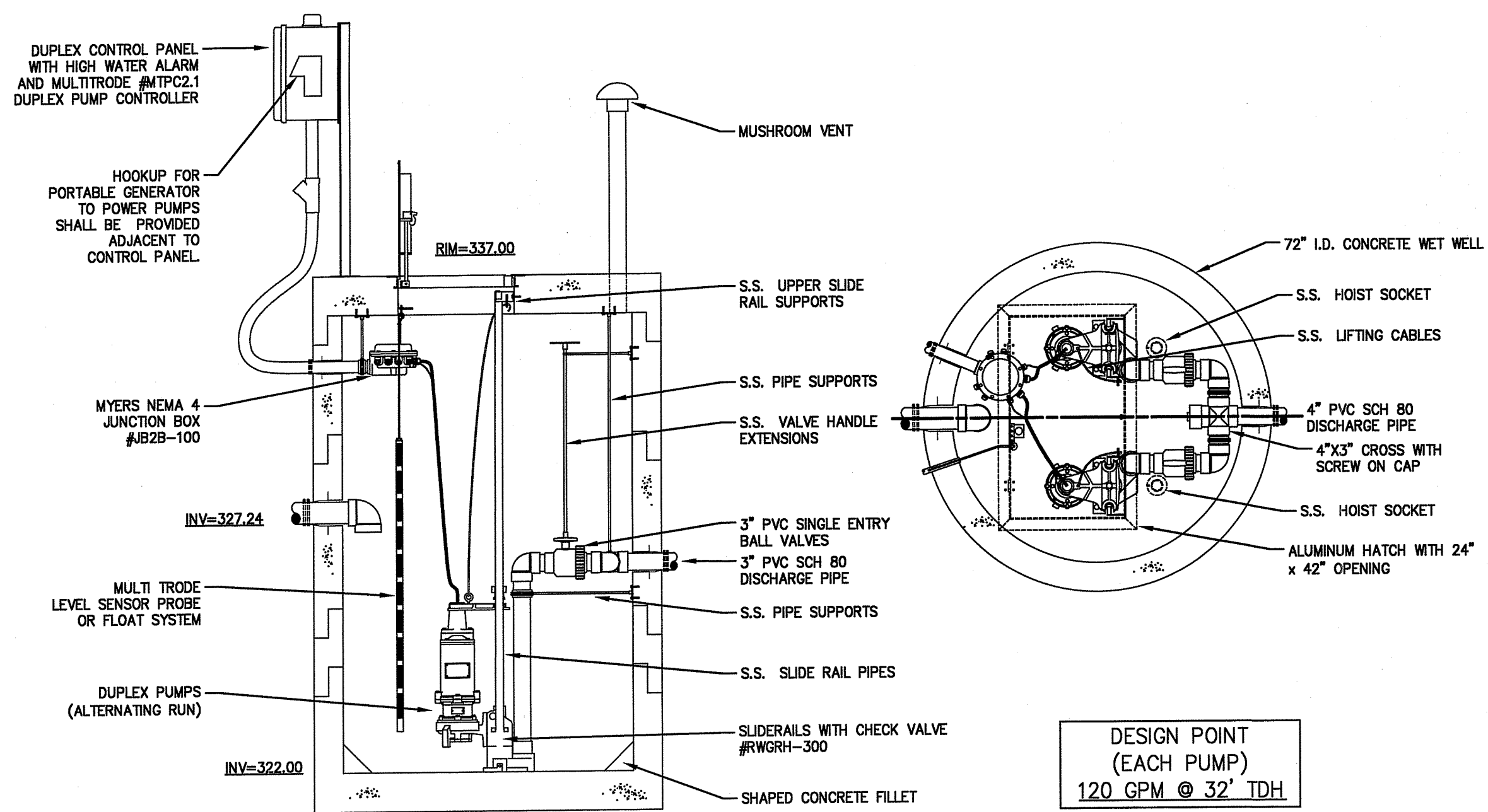
JOB NO. 7375-00
DWG. NO. 7375-00-DETAILS_R2
SCALE: AS SHOWN

DRAWN BY K.Y.Y.
CHECK BY S.S.H.
APPROVED S.S.H.
DATE: APRIL 2023

SHEET

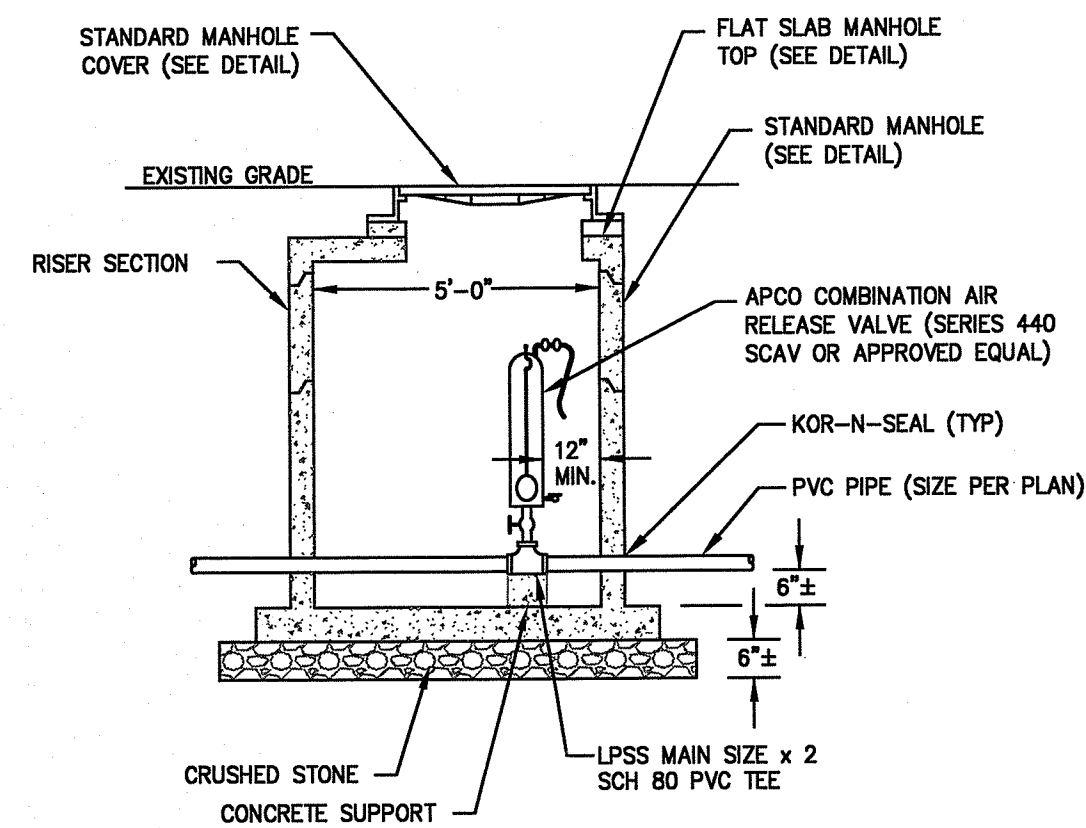
C-17

18 OF 22 SHEETS

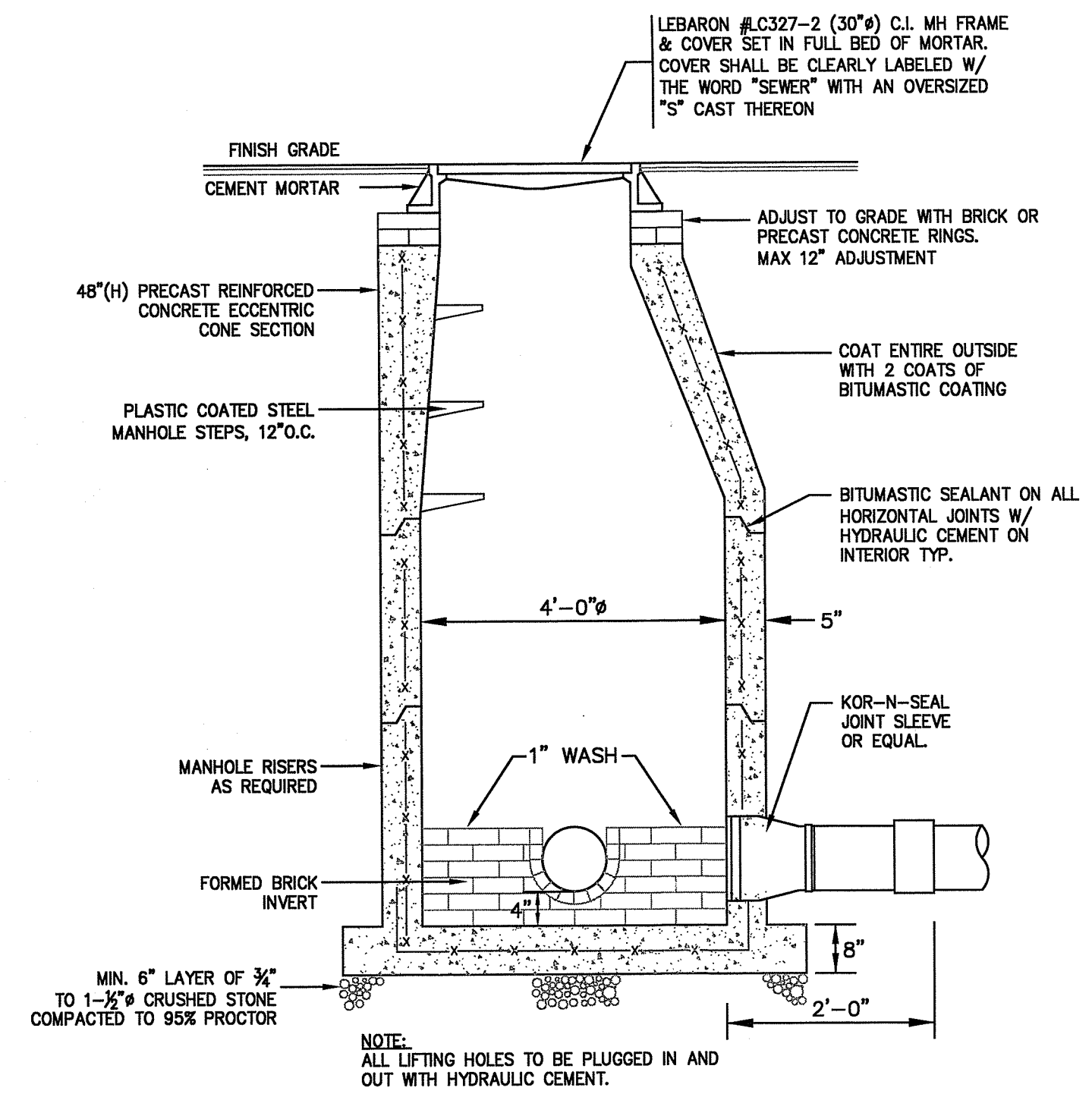


SEWER PUMP STATION (PRIVATE)
NOT TO SCALE

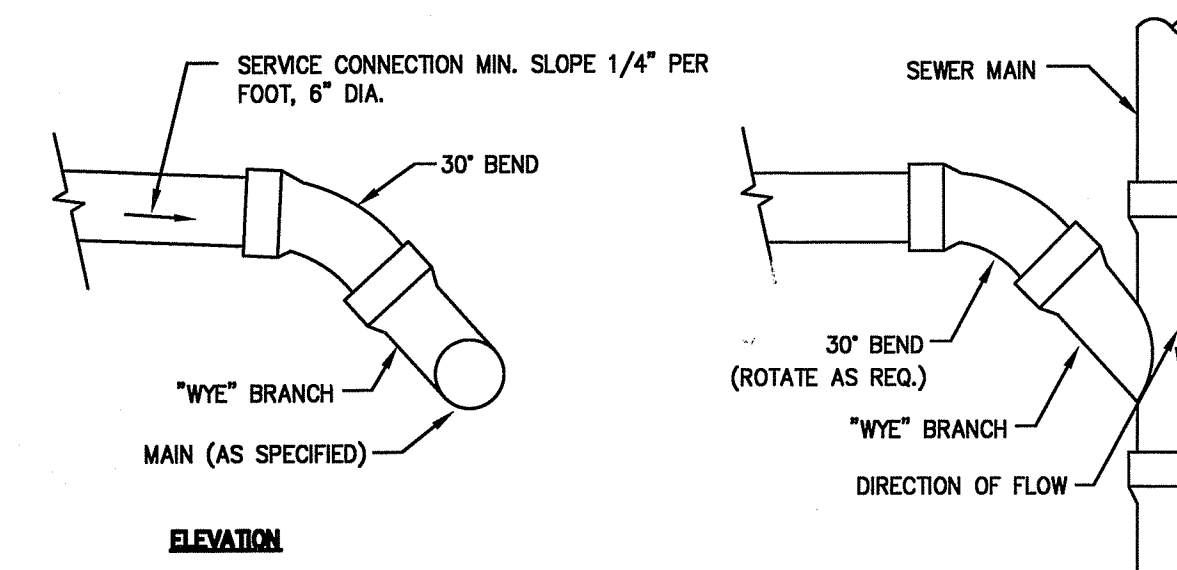
DESIGN POINT
(EACH PUMP)
120 GPM @ 32' TDH



FORCE MAIN AIR RELEASE VALVE
NOT TO SCALE

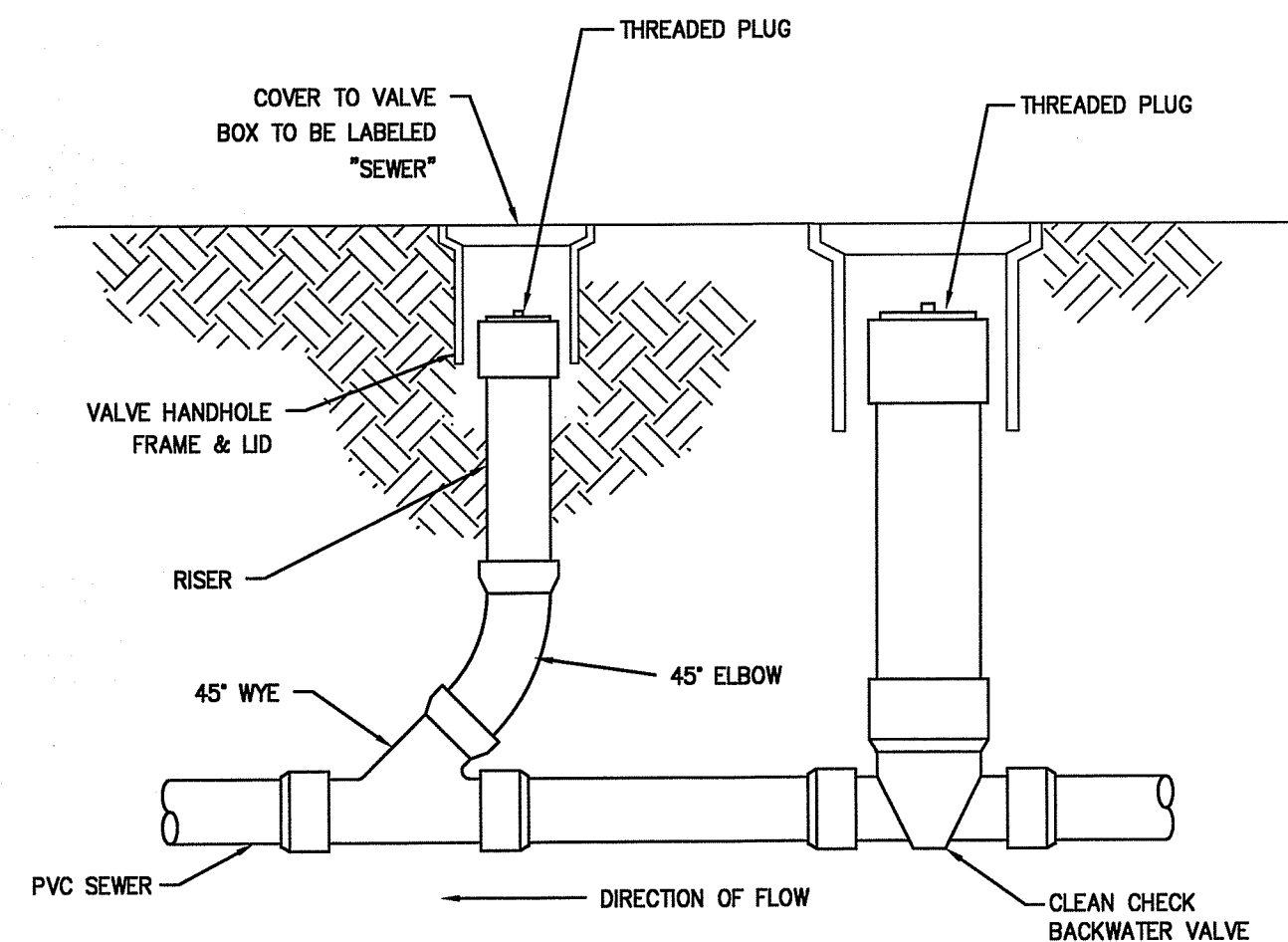


SANITARY SEWER MANHOLE
NOT TO SCALE



- NOTES:**
- PIPE AND FITTING MATERIALS TO BE PVC SDR35, MEETING ASTM 3034 FOR USE WITH SANITARY SEWER SYSTEMS.
 - REFER TO "TRENCH SECTION (SEWER)" FOR TRENCHING REQUIREMENTS.

SEWER SERVICE CONNECTION DETAIL
NOT TO SCALE



- NOTES:**
- ALL HOUSE CONNECTIONS SHALL BE INSTALLED WITH CLEANOUT AND CHECK VALVE.

SEWER CLEANOUT W/ CHECK VALVE
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: MAR 20 2025 FILE #: 23-0146
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CONSTRUCTION DETAILS - 5

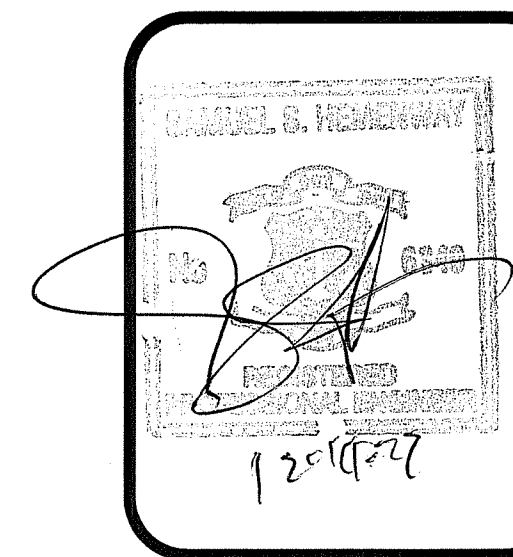
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)

SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND

PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23

ISSUED FOR PERMIT



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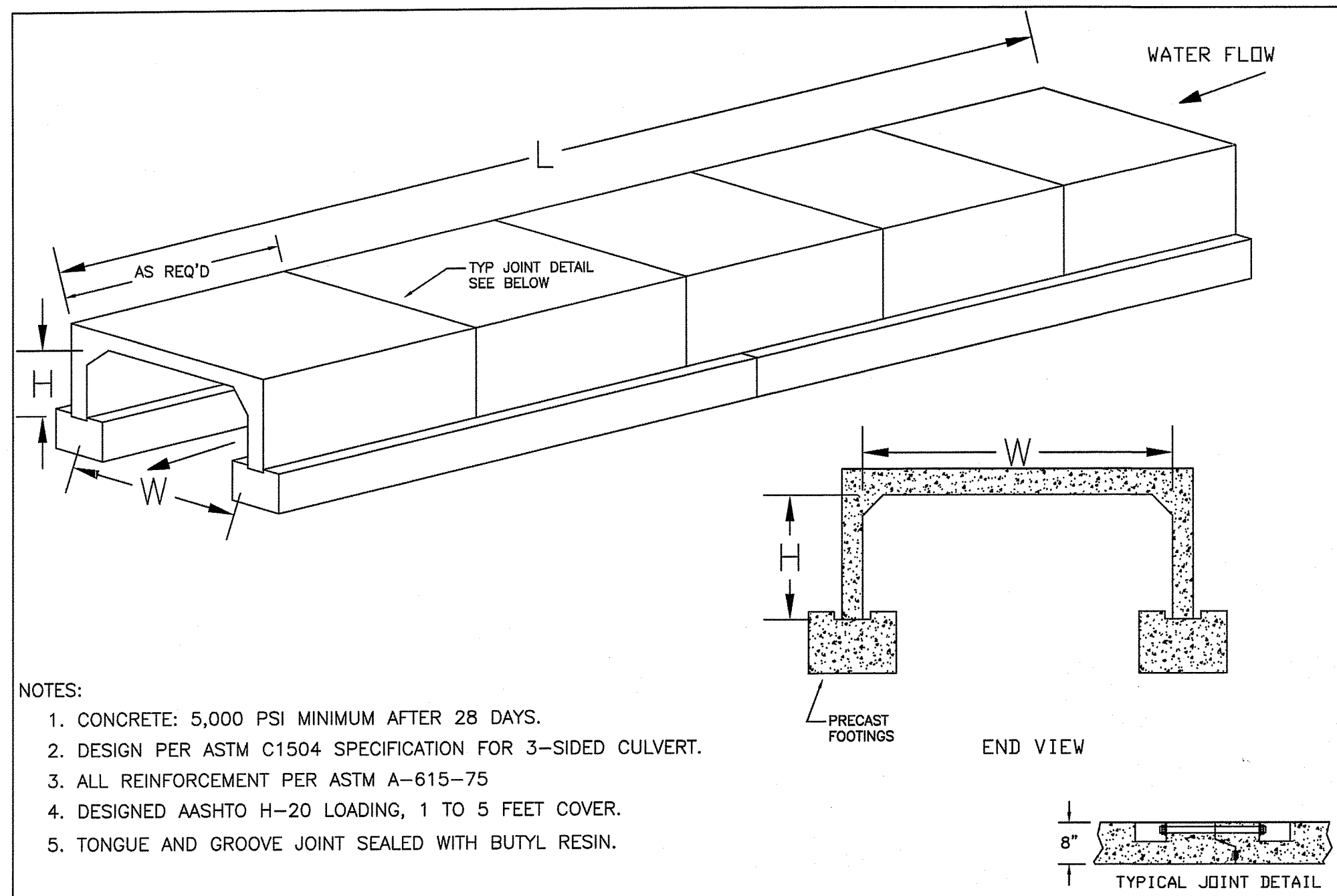
85 CORLISS STREET
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PROVIDENCE, R.I. 02940
TEL. 401-273-6000

JOB NO. 7375-00	DRAWN BY K.Y.Y.
DWG. NO. 7375-00-DETAILS_R2	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: APRIL 2023

SHEET

C-18

19 OF 22 SHEETS



NOTES:

1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
2. DESIGN PER ASTM C1504 SPECIFICATION FOR 3-SIDED CULVERT.
3. ALL REINFORCEMENT PER ASTM A-615-75
4. DESIGNED AASHTO H-20 LOADING, 1 TO 5 FEET COVER.
5. TONGUE AND GROOVE JOINT SEALED WITH BUTYL RESIN.

SHEA CONCRETE PRODUCTS
 New England's Premier Precaster
 800-696-7432 (SHEA)
 www.sheaconcrete.com

BOX CULVERT 3-SIDED WORKSHEET

773 Salem Street-Wilmington, MA 01983
 87 Haverhill Road-Amesbury, MA 01825
 153 Cranberry Hwy-Rochester, MA 01827
 180 Old Turnpike Rd-Nottingham, NH 03255
 Mail to: PO Box 520-Wilmington, MA 01887

Page: H4.2
 12/19/2012
 Culvert 3-Sided WS.dwg

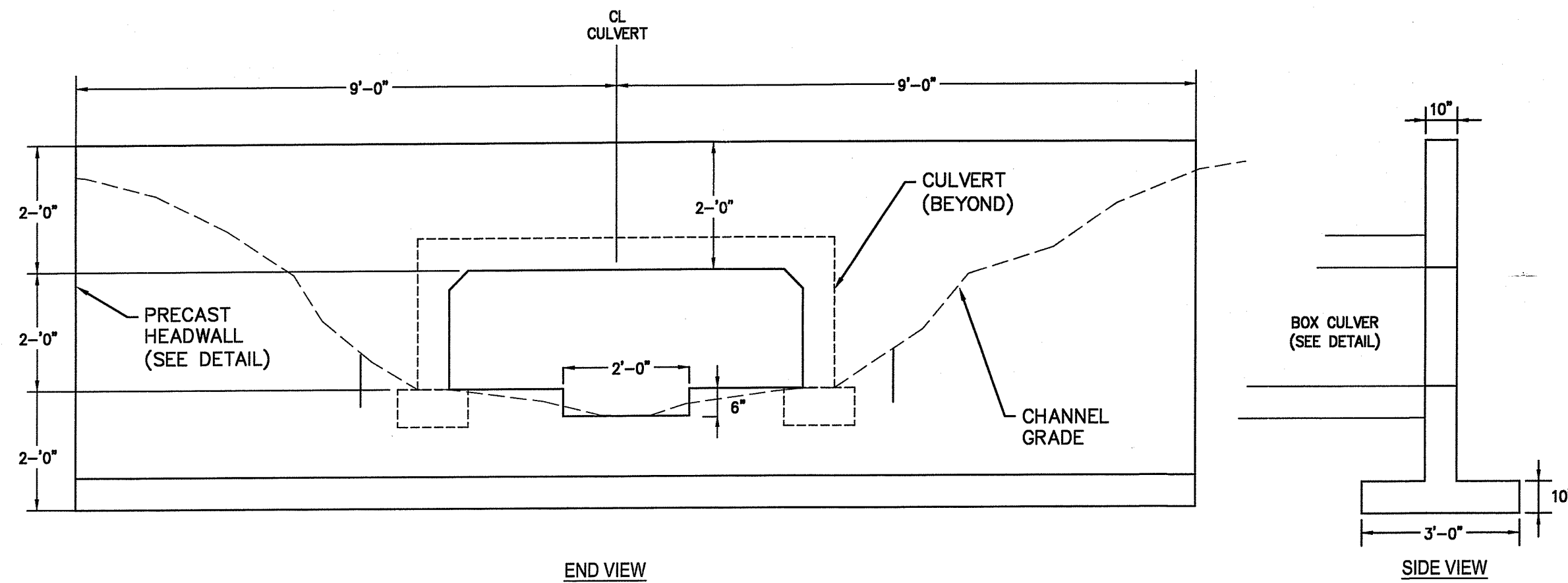
Specifications subject to change without notice

NOTES:

1. THIS DETAIL IS PROVIDED AS A BASIS OF DESIGN - THE CONTRACTOR SHALL SUBMIT DETAILED STAMPED SHOP DRAWINGS OF FINAL CULVERT AND INSTALLATION FOR APPROVAL BY THE OWNER/ENGINEER.
2. SEE CROSSING PLAN FOR BOTTOM TREATMENT

PRECAST CONCRETE BOX CULVERT

NOT TO SCALE

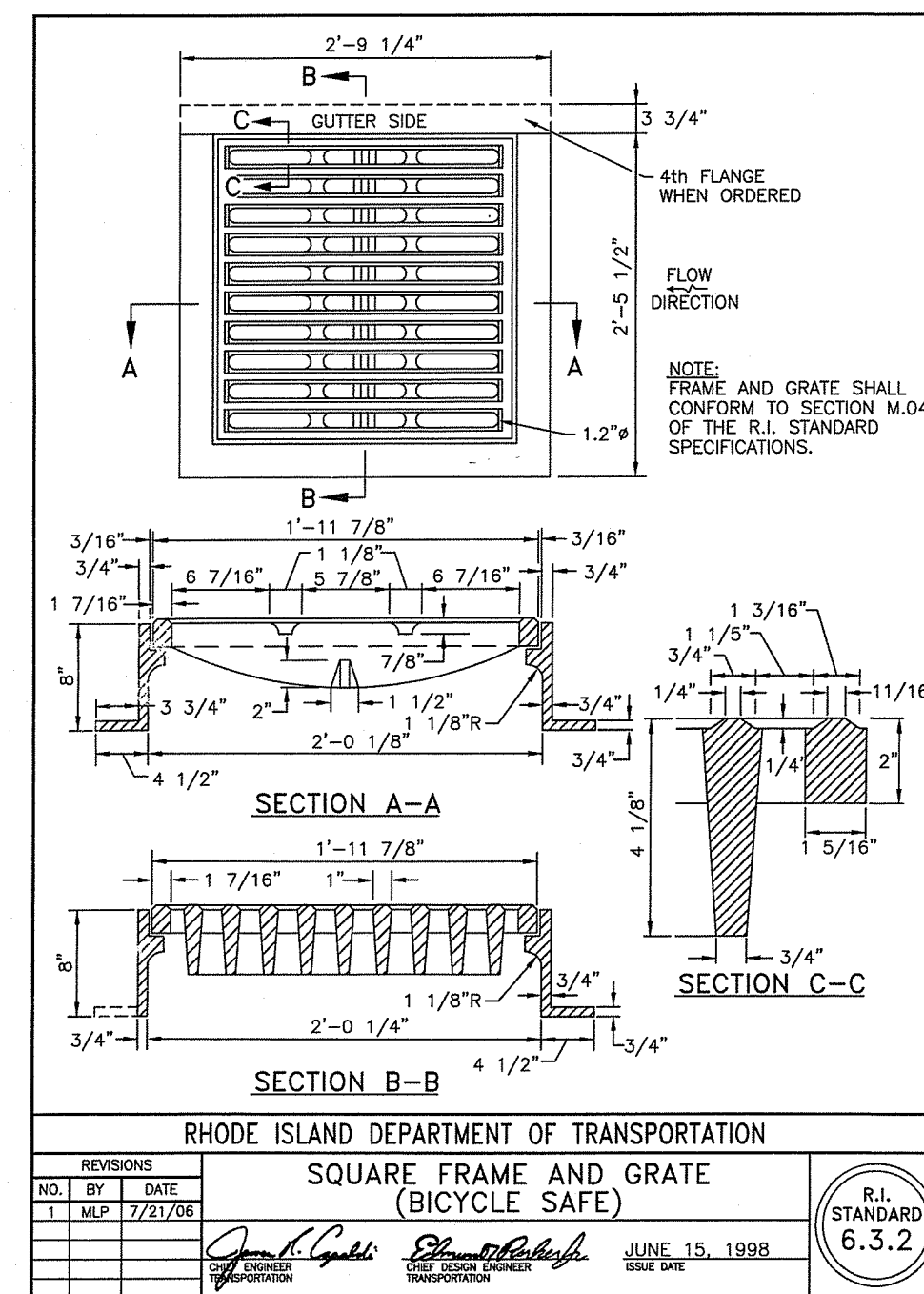
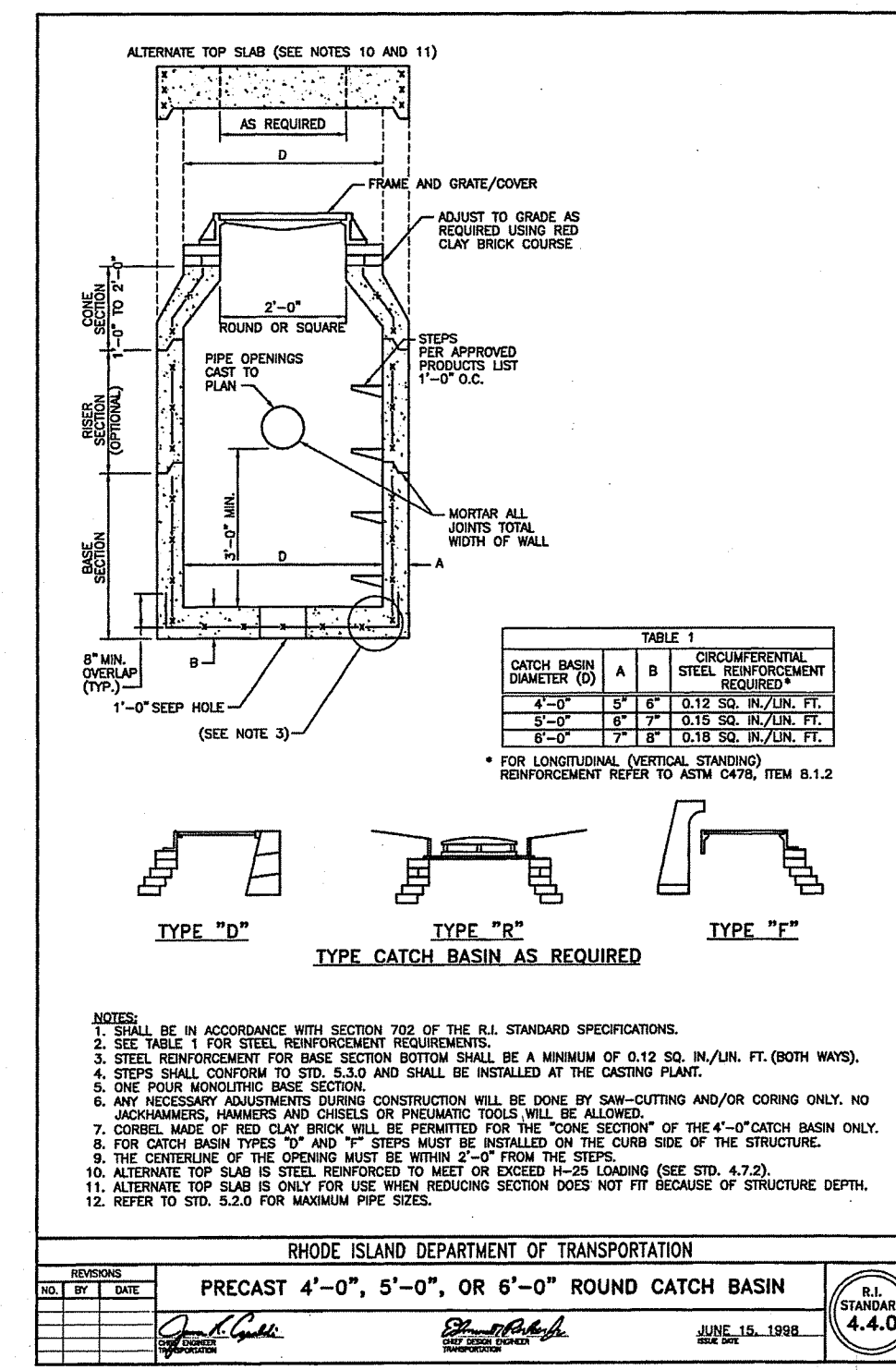


NOTES:

1. CONCRETE TO BE 4000 PSI MINIMUM COMPRESSIVE STRENGTH.
- IF CULVERT IS SKEWED THE OPENING SHALL BE ADJUSTED TO ACCOMMODATE CONSTRUCTED ANGLES.
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615 (REINFORCING BARS).
- PIPE OPENINGS IN PRECAST DRAINAGE UNITS SHALL NOT EXCEED 4 INCHES AT ANY GIVEN POINT BETWEEN THE PIPE AND PRECAST UNIT.
- DIMENSIONS SHOWN ARE MINIMUM. ACTUAL MEASUREMENTS MAY VARY WITH MANUFACTURER'S TOLERANCES.
- IN NO CASE SHALL TOP OF ENDWALL PROJECT ABOVE FIL SLOPE, DITCH SLOPE, OR SHOULDER. HEADWALL TO BE BEVELED IN ALL AREAS EXCEPT WHERE A CONFLICT WITH INVERT OR WINGWALL OCCURS.
- BEVEL EDGE IS REQUIRED ON THE HEADWALL AT THE INLET END OF THE CULVERT (WHERE FLOW ENTERS THE CULVERT). HEADWALL AT OUTLET END MAY BE EITHER SQUARE EDGE OR BEVELED.
- 2" CHAMFER MAY BE PROVIDED ON ALL EDGES AT MANUFACTURER'S OPTION.
- GUARDRAIL SHALL NOT BE FASTENED TO ENDWALL UNLESS SPECIFICALLY APPROVED.
- CAST-IN-PLACE OR MODULAR BLOCK HEADWALLS MAY BE SUBSTITUTED WITH OWNER APPROVAL.

PRECAST CONCRETE HEADWALL (ENDWALL)

NOT TO SCALE



DIMENSIONS		REINFORCEMENT						
DIA.	A	B	C	D	E	R	T	ONE LAYER REINFORCEMENT IN CENTER OF WALL
1'-0"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	2"	0.048
1'-3"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	2 1/4"	0.054
1'-6"	9"	2'-3"	3'-10"	6'-1"	3'-0"	12"	2 1/2"	0.060
2'-0"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	1'-2"	3"	0.072
2'-6"	1'-0"	4'-6"	1'-7 3/4"	8'-1 3/4"	5'-0"	1'-3"	3 1/2"	0.084
3'-0"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	1'-8"	4"	0.096
3'-6"	1'-6"	5'-3"	2'-11"	8'-2"	6'-6"	1'-10"	4 1/2"	0.108
4'-0"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	1'-10"	5"	0.120
4'-6"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	2'-0"	5 1/2"	0.132
5'-0"	2'-6"	5'-0"	3'-3"	8'-3"	8'-0"	2'-0"	6"	0.144

FOR CONT. SEE SHT. C-21

FOR CONT. SEE SHT. C-21

NEW ENGLAND WETMIX (WETLAND SEED MIX):

BOTANICAL NAME/ COMMON NAME:
 ASCLEPIAS INCARNATA/ SWAMP MILKWEED
 ASTER LATERIFLORUS (SYMPHYOTRICHUM LATERIFLORUM)/ STARVED/CALICO ASTER
 BIDENS FRONDOSA/ BEGGAR TICKS
 CAREX CRINITA/ FRINGED SEDGE
 CAREX LUPULINA/HOP SEDGE
 CAREX LURIDA/ LURID SEDGE
 CAREX SCOPARIA/ BLUNT BROOM SEDGE
 CAREX VULPINOIDEA/ FOX SEDGE
 EUPATORIUM MACULATUM (EUTROCHUM MACULATUM)/ SPOTTED JOE PYE WEED
 GLYCERIA GRANDIS/ AMERICAN MANNAGRASS
 IRIS VERSICOLOR/ BLUE FLAG
 JUNCUS EFFUSUS/ SOFT RUSH
 MIMULUS RINGENS/ SQUARE STEMMED MONKEY FLOWER
 POA PALUSTRIS/ FOWL BLUEGRASS
 SCIRPUS ATROVIRENS/ GREEN BULRUSH
 VERNONIA NOVEBORACENSIS/ NEW YORK IRONWEED

APPLY: 18 LBS/ACRE; 2,500 S.F./LB

NEW ENGLAND CONSERVATION/ WILDLIFE MIX :

BOTANICAL NAME/ COMMON NAME:
 ANDROPOGON GERARDII/BIG BLUESTEM
 ASCLEPIAS TUBEROSA/BUTTERFLY MILKWEED
 ASTER PILOSUS (SYMPHYOTRICHUM PILOSUM)/HEATH (OR HAIRY) ASTER
 BIDENS FRONDOSA/BEGGAR TICKS
 CHAMAECRISTA FASCICULATA/PARTRIDGE PEA
 DESMODIUM CANADENSE/SHINY TICK TREFOL
 ELYMUS VIRGINICUS/VIRGINIA WILD RYE
 EUPATORIUM PURPUREUM (EUTROCHUM MACULATUM)/PURPLE JOE PYE WEED
 FESTUCA RUBRA/RED FESCUE
 PANICUM VIRGATUM/SWITCH GRASS
 RUBRICKIA HIRTA/BLACK EYED SUSAN
 SCHIZACHYRIUM SCOPARIUM/LITTLE BLUESTEM
 SOLIDAGO JUNCEA/EARLY GOLDENROD
 SORGHASTRUM NUTANS/INDIAN GRASS

APPLY: 25 LBS/ACRE; 1,750 S.F./LB

SHEET NOTES:

- SEE SHEET C-1 FOR NOTES & LEGEND.
- THIS PLAN IS SCHEMATIC ONLY AND TO PROVIDED SETBACK BUFFER, STREET, AND BMP PLANTING. FINAL DESIGN/ LOCATION MAY VARIES AT FINAL STAGE.

PLANT LIST:

CANOPY TREES			
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE NOTE
AR	ACER RUBRUM/FRANKSREDEY RED SUNSET SWAMP MAPLE	21	2"-2.5" CAL
CC	CARPINUS CAROLINIANA AMERICAN HORNBEAM	9	2"-2.5" CAL
NS	NYSSA SYLVATICA BLACK GUM	7	2"-2.5" CAL
QB	QUERCUS BICOLOR SWAMP WHITE OAK	11	2"-2.5" CAL
QP	QUERCUS PALUSTRIS PIN OAK	15	2"-2.5" CAL
QR	QUERCUS RUBRA RED OAK	9	2"-2.5" CAL

FLOWERING TREES			
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE NOTE
AL	AMELANCHIER LAEVIS SMOOTH SERVICEBERRY	5	7"-9" CLUMP
SA	SASSAFRAS ALBIDUM SASSAFRAS	2	7"-9" CLUMP
PY	PRUNUS YEDOENSIS YOSHINO CHERRY	8	7"-9" CLUMP

EVERGREEN TREES			
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE NOTE
PS	PINUS STROBUS EASTERN WHITE PINE	16	5'-6" CLUMP
IP	ILEX OPACA AMERICAN HOLLY	36	5'-6" CLUMP
TP	THUJA PLICATA 'GREEN GIANT' AMERICAN ARBORVITAE	87	5'-6" CLUMP

EVERGREEN DECIDUOUS SHRUBS			
KEY	BOTANICAL NAME COMMON NAME	QTY.	SIZE NOTE
AM	ARONIA MELANOCARPA BLACK CHOKEBERRY	9	# 5 CONTAINER
CA	CLETHRA ALNIFOLIA SWEET PEPPERBUSH	6	# 3 CONTAINER
CO	CEPHALANTHUS OCCIDENTALIS COMMON BUTTONBUSH	3	# 3 CONTAINER
IG	ILEX GLABRA INKBERRY	34	# 3 CONTAINER
IV	ILEX VERTICILLATA WINTERBERRY HOLLY	6	# 3 CONTAINER
MP	MYRICA PENNSYLVANICA SWAMP BERRY	9	# 5 CONTAINER
RP	RHOODODENDRON 'PJM' PJM RHOODODENDRON	41	CONTAINER
RV	ROSA VIRGINIANA VIRGINIA ROSE	18	# 3 CONTAINER

**BUFFER AND BMP
PLANTING PLAN - 1**
 FOR
 THE RESIDENCES AT GREENVILLE FARMS
 (A.P. 44, LOT 82)
 SITUATED AT
 89 WEST GREENVILLE ROAD
 SMITHFIELD, RHODE ISLAND
 PREPARED FOR
 WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23

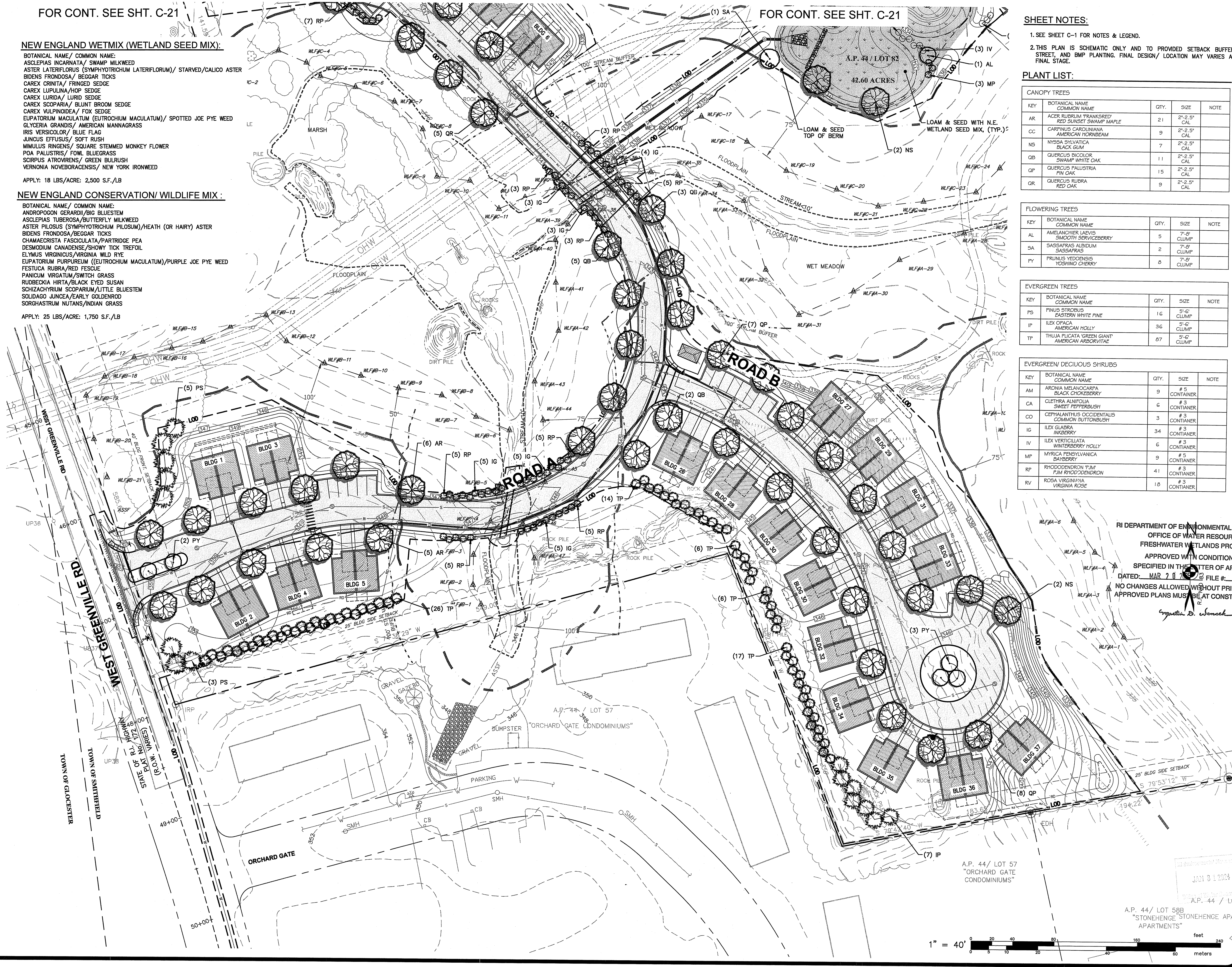
ISSUED FOR PERMIT

GAROFALO
 GAROFALO & ASSOCIATES, INC.
 CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
 LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
 P.O. BOX 6145
 PROVIDENCE, R.I. 02940
 TEL. 401-273-6000

JOB NO. 7375-00	DRAWN BY K.Y.Y.
DWG. NO. 7375-00-PLANTING	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: APRIL 2023

SHEET
C-20
 21 OF 22 SHEETS



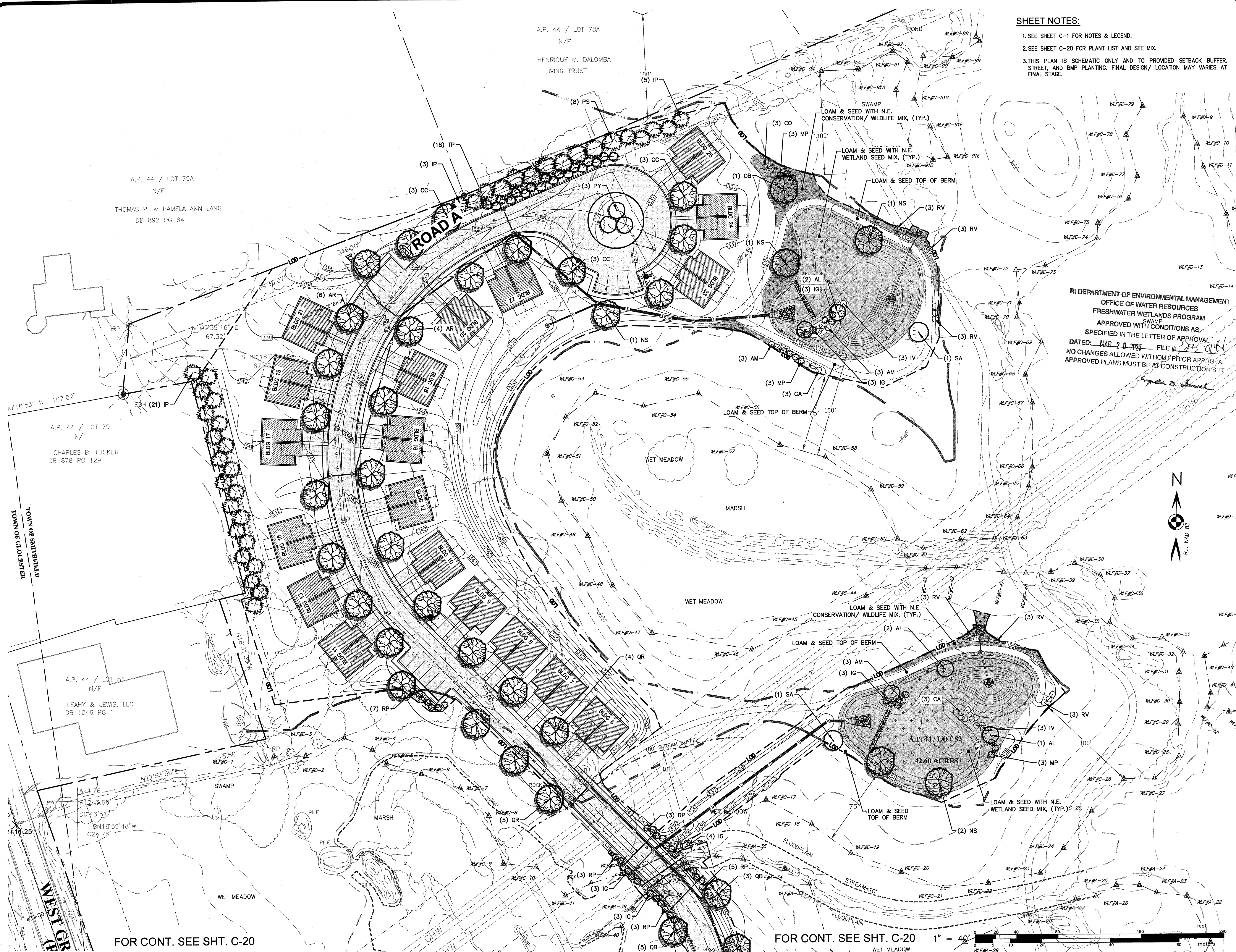
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCE
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: MAR 20 2023 FILE #:
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Signature: D. Entwistle



LV\7375-00 89 West Greenville Road - Comprehensive Permit (CREG) - Smithfield, RI\dwg\01-Current\7375-00-Planting.dwg 12/15/2023 kyfngang 11:27

LV:7375-00 89 West Greenville Road - Comprehensive Permit (KREG) - Smithfield, RI, DWG:01-Current\7375-00-Planting.dwg 12/15/2023, klyngang 11:27



SHEET NOTES:
1. SEE SHEET C-1 FOR NOTES & LEGEND.
2. SEE SHEET C-20 FOR PLANT LIST AND SEE MIX.
3. THIS PLAN IS SCHEMATIC ONLY AND TO PROVIDED SETBACK BUFFER, STREET, AND BMP PLANTING. FINAL DESIGN/ LOCATION MAY VARIES AT FINAL STAGE.

A.P. 44 / LOT 79A
N/F
THOMAS P. & PAMELA ANN LANG
DB 892 PG 64

A.P. 44 / LOT 79
N/F
CHARLES B. TUCKER
DB 878 PG 129

A.P. 44 / LOT 81
N/F
LEAHY & LEWIS, LLC
DB 1046 PG 1

A.P. 44 / LOT 78A
N/F
HENRIQUE M. DALOMBA
LIVING TRUST

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
SWAMP
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 20 2025 FILE # 25-014
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

**BUFFER AND BMP
PLANTING PLAN - 2**
FOR
THE RESIDENCES AT GREENVILLE FARMS
(A.P. 44, LOT 82)
SITUATED AT
89 WEST GREENVILLE ROAD
SMITHFIELD, RHODE ISLAND
PREPARED FOR
WEST GREENVILLE ROAD, LLC.

NO.	REVISION	BY	DATE
1	PER RIDEM COMMENTS	KYY	10/20/23

ISSUED FOR PERMIT

GAROFALO
GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL. 401-273-8000

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be used for any other project, site
location or owner without written
consent of this owner or one of its
directors.

JOB NO. 7375-00
DWG. NO. 7375-00-PLANTING
SCALE: AS SHOWN

DRAWN BY K.Y.Y.
CHECK BY S.S.H.
APPROVED S.S.H.
DATE: APRIL 2023

SHEET
C-21
22 OF 22 SHEETS

FOR CONT. SEE SHT. C-20

FOR CONT. SEE SHT. C-20 1" = 40'