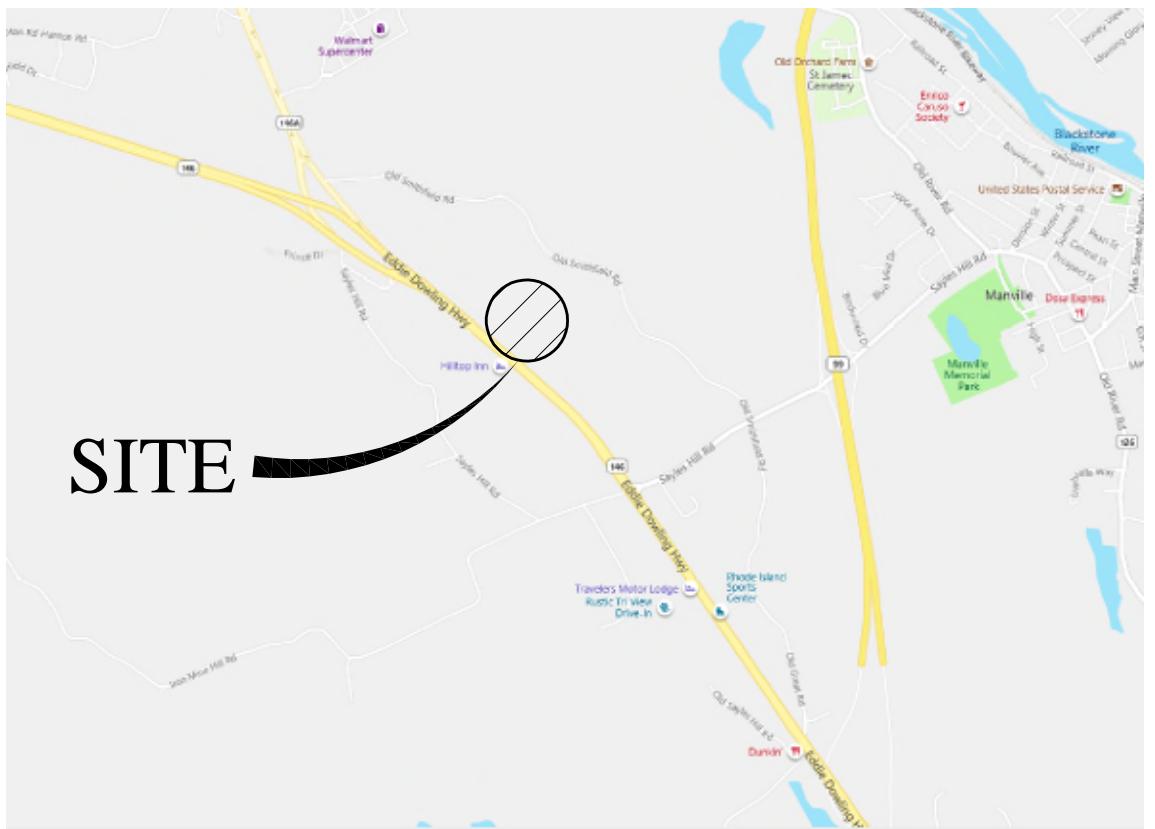


N:15-001 Marc N Nyberg14 North Smithfield Auto Body Plans NS AutoBody Permit SITE PLAN SET 12-10-20 dwg Dec. 28, 2020 4:31 pm

LOCUS MAP (NOT TO SCALE)



↑ N

PRELIMINARY PLANS FOR

PROPOSED NORTH SMITHFIELD AUTO BODY SITE IMPROVEMENTS

STATE WIDE MAP



SITE LOCATION:
NORTH SMITHFIELD, RI

PROJECT TEAM

OWNER:
TW ENTERPRISES LLC
C/O THOMAS WHALEN
770 EDDIE DOWLING HWY
NORTH SMITHFIELD, RI 02896
PHONE: (401) 413-1818

CIVIL:
D'AMICO ENGINEERING TECHNOLOGY, INC
2080 MINERAL SPRING AVE.
NORTH PROVIDENCE, RI 02911
PHONE: (401) 622-1470
FAX: (401) 353-1190

SURVEYOR:
MARC N. NYBERG ASSOCIATES, INC
501 GREAT ROAD, UNIT 104
NORTH SMITHFIELD, RI 02896
PHONE: (401) 762-2870
FAX: (401) 762-2871

ENVIRONMENTAL SCIENTISTS:
PARE CORPORATION
8 BLACKSTONE VALLEY PL.
LINCOLN, RI 02865
PHONE: (401) 334-4100
FAX: (401) 334-4108

LANDSCAPE ARCHITECT:
LANDSCAPE ELEMENTS, LLC
3288 POST ROAD, SUITE 2C
WARWICK, RI 02886
PHONE: (401) 773-4088
FAX: (866) 203-7686

PROPOSED NORTH SMITHFIELD AUTO BODY SITE IMPROVEMENTS

770 - 784 EDDIE DOWLING HIGHWAY (RI ROUTE 146)
NORTH SMITHFIELD, RHODE ISLAND

ZONING DISTRICT - BH (BUSINESS - HIGHWAY)

INDEX OF DRAWINGS

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9	LANDSCAPE OVERVIEW & PREPARATION PLAN (LA 1.0)
10	RESTORATION LANDSCAPE PLAN (LA 2.0)

REVISIONS:
NO. DATE. DESCRIPTION

DESIGNED BY: DMD
DRAWN BY: DMD
CHECKED BY: DMD
DATE: DEC, 2020
PROJECT NO: 15-0001-09

PRELIMINARY PLAN, NOT FOR CONSTRUCTION

COVER SHEET

SHEET 1 OF 10

D=tec.
D'AMICO ENGINEERING TECHNOLOGY, INC.
Civil - Transportation - Land Use
2080 Mineral Spring Ave. North Providence, RI 02911
(401) 622-1470 (401) 353-1190 fax
www.designingtec.com

GENERAL NOTES:

1. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR CITY WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.

SITE NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS.
2. STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
3. ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS WILL RECEIVE A MINIMUM OF 6" OF LOAM AND SEED.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR.
5. ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
6. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ACTUAL SIZE OF THE PROPOSED BUILDING.
7. WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK, THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
8. ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR ENGINEER.
9. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.
10. THE TOPS OF ALL VALVE BOXES AND CURB BOXES SHALL BE FLUSH WITH GROUND OR PAVEMENT SURFACE LEVEL AND PLUMB, UNLESS OTHERWISE DIRECTED.
11. ROADWAYS SHALL BE LEFT PASSABLE AT ALL TIMES. CLOSURE OF ROADWAY IS NOT PERMITTED.
12. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AT COMPLETION OF EACH DAY'S WORK.
13. WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
14. ALL LEDGE TO BE REMOVED BY MECHANICAL MEANS.
15. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
16. REFER TO PLUMBING PLANS FOR CONTINUATION OF ALL UTILITIES WITHIN 5' (FIVE) FEET OF THE BUILDING.
17. ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2013 EDITION (WITH LATEST ADDENDA) AND THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST ADDENDA).

MISCELLANEOUS UTILITY NOTES:

1. PRIOR TO CONSTRUCTION ALL POTENTIAL UTILITY/DRAINAGE CONFLICTS MUST BE IDENTIFIED BY THE CONTRACTOR. ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. NO EXTRA PAYMENT TO THE CONTRACTOR DUE TO RELOCATION'S WILL BE AUTHORIZED.
2. THE UTILITY PLAN DOES NOT DEPICT THE NECESSARY ELECTRICAL CONDUIT/WIRING TO SERVICE THE PROPOSED LIGHTING AND SIGNS, WHICH WILL BE PERFORMED BY THE CONTRACTOR FOR NO ADDITIONAL COST.
3. OVERHEAD ELECTRIC AND TELEPHONE SERVICES ARE TO BE REMOVED BY THE APPROPRIATE UTILITY COMPANY AND COORDINATED BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE A SUFFICIENT NUMBER OF WORKMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM THESE OPERATIONS.
5. THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OF PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES AND SHALL PROMPTLY REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO SUCH PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES TO THE SATISFACTION OF THE OWNER OR TOWN.
6. EXISTING UTILITY FRAMES AND COVERS FOR SANITARY SEWER, WATER, GAS, STORM DRAINAGE AND OTHER UTILITIES SHALL BE ADJUSTED TO GRADE AS REQUIRED IN NEW PAVING AND PAVEMENT OVERLAY AREAS.

DRAINAGE SYSTEM NOTES:

1. ALL RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE TO BE SET FLUSH WITH FINAL GRADES
2. THE DESIGN ENGINEER MUST SUBMIT AN AS BUILT PLAN AND A CERTIFICATION TO THE TOWN ENGINEER THAT THE CONSTRUCTION IS IN COMPLIANCE WITH THE DESIGN PLANS FOR ALL ELEMENTS OF THE STORM OR DRAINAGE SYSTEM PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

PROPOSED PAVEMENT STRUCTURE:
ON-SITE (PAVEMENT TYPE A)

1.5" BITUMINOUS CONCRETE SURFACE COURSE CLASS I-1 (CLASS 12.5 HMA)
2" BITUMINOUS CONCRETE BASE COURSE (CLASS 19 HMA)
12" GRAVEL BORROW SUBBASE

ASPHALT EMULSION TACK COAT TO BE PLACED PRIOR TO SURFACE COURSE PAVING IF BINDER COURSE IS OPENED TO VEHICULAR USE, OR IF BINDER COURSE IS GREATER THAN 30 DAYS OLD.

PROPOSED PAVEMENT STRUCTURE:
RIDOT (PAVEMENT TYPE B)

2" BITUMINOUS CONCRETE SURFACE COURSE CLASS TYPE I-1 (CLASS 12.5 HMA)
8" BITUMINOUS CONCRETE BASE COURSE (CLASS 19 HMA)
12" GRAVEL BORROW SUBBASE COURSE

ASPHALT EMULSION TACK COAT TO BE PLACED ON ALL BITUMINOUS COURSES PRIOR TO PAVING.

LAYOUT NOTE:

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DIVIDES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
3. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED IN THE STATE OR TOWN RIGHT-OF-WAY.
4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS CHANNELING DEVICES, ETC, SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. 1988 EDITION. INCLUDING REVISION 3, SEPTEMBER 3, 1993 AND SUBSEQUENT ADDENDA.
5. SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

DRAINAGE AND SUBSURFACE DRAINAGE SYSTEM MAINTENANCE SCHEDULE:

UPON PROJECT COMPLETION, THE PROPERTY OWNER SHALL ADHERE TO THE FOLLOWING MAINTENANCE PLAN AND SCHEDULE:

1. CATCH BASINS, MANHOLES AND DRAIN LINES: AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
 - * DAMAGE TO GRATE/ COVERS
 - * EVIDENCE OF STANDING WATER
 - * DEBRIS REMOVAL
 - * STRUCTURAL ALIGNMENT/ INTEGRITY
 - * OIL/WATER SEPARATORS
2. IF SEDIMENT OR ORGANIC DEBRIS BUILD-UP HAS LIMITED THE INFILTRATION CAPABILITIES OF THE UNDERGROUND INFILTRATION CHAMBERS OR TRENCHES TO BELOW THE DESIGN RATE THE SYSTEM MUST BE REMOVED AND RE-CONTRACTED. THE SYSTEMS BOTTOM SHOULD BE RESTORED ACCORDING TO ORIGINAL DESIGN SPECIFICATIONS.
3. SEDIMENT REMOVAL: ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE, AND FEDERAL REGULATIONS.
4. THE PROPERTY OWNER IS RESPONSIBLE FOR ANY SOIL AND GROUNDWATER CONTAMINATION RESULTING FROM THE USE OF THE STORMWATER RUNOFF SUBSURFACE DRAINAGE SYSTEM.
5. THE EXISTENCE OF THE SUBSURFACE DRAINAGE SYSTEM SHOULD BE RECORDED ON THE PROPERTY DEED AT THE LOCAL MUNICIPAL OFFICE. ALL OPERATIONAL AND MAINTENANCE REQUIREMENTS, INCLUDING LEGAL RESPONSIBILITIES, WHERE APPLICABLE, SHOULD ALSO BE RECORDED ON THE TITLE.
6. UNDERGROUND INFILTRATION CHAMBERS AND TRENCHES SHALL BE INSPECTED ANNUALLY AND AFTER STORMS EQUAL TO OR GREATER THAN THE 1-YEAR, 24 HOUR TYPE III STORM EVENT (APPROXIMATELY 2.7").
7. THE SUBSURFACE DRAINAGE SYSTEM SHOULD BE INSPECTED OFTEN DURING THE FIRST MONTHS OF OPERATION AND CLEANED AT LEAST ANNUALLY THEREAFTER WITH ALL OIL AND DEBRIS REMOVED AND DISPOSED OF PROPERLY IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. CLEANING OF THE CULTEC SYSTEM WILL BE CONDUCTED BY VACUUM TRUCK DESIGN SPECIFICALLY TO REMOVE STORMWATER RUNOFF SEDIMENT. IN THE CASE OF AN OIL OR BULK POLLUTANT RELEASE, THE SYSTEM SHOULD BE CLEANED IMMEDIATELY FOLLOWING THE SPILL AND THE RIDEM DIVISION OF SITE REMEDIATION SHOULD BE NOTIFIED. FOR THE PURPOSE OF OIL REMOVAL A LICENSED CONTRACTOR MAY BE NECESSARY FOR THE REMOVAL, TRANSPORT, AND DISPOSAL OF WASTE OIL PRODUCTS TO A PROPERLY LICENSED FACILITY.

RIDOT

1. ALL WORK WITHIN THE STATE RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, ROADWAY CONSTRUCTION, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, CURBING, SIDEWALK, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, AMENDED AUGUST 2013 (WITH LATEST ADDENDA) AND THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST ADDENDA).
2. PAVEMENT CUT AND MATCH LONGITUDINAL TERMINUS MUST BE LOCATED AT SHOULDER OR TRAVEL LANE EDGE LINES AND SHOULD NOT TERMINATE WITHIN A TRAVEL LANE.

REQUIRED INFILTRATION SETBACKS

1. THE PROPOSED INFILTRATION SYSTEMS MEETS THE 3' MINIMUM SEPARATION DISTANCE BETWEEN THE DESIGN BOTTOM OF THE STRUCTURE AND THE SEASONAL HIGH WATER TABLE.
2. THE PROPOSED INFILTRATION SYSTEM MEETS THE 5' MINIMUM SEPARATION DISTANCE BETWEEN THE DESIGN BOTTOM OF THE STRUCTURE AND BEDROCK.
3. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 25 FEET OF ANY SEPTIC SYSTEM COMPONENT.
4. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 200 FEET OF ANY SURFACE DRINKING WATER SUPPLIES AND THEIR RESPECTIVE TRIBUTARIES.
5. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 150 FEET OF ANY COASTAL FEATURE.
6. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 50 FEET OF ANY SURFACE WETLAND OR COASTAL WETLAND.
7. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 10 FEET OF ANY BUILDING FOUNDATION AND THE PROPOSED FOUNDATION FLOOR ELEVATION IS ABOVE THE INVERT OF THE PROPOSED INFILTRATION SYSTEM.

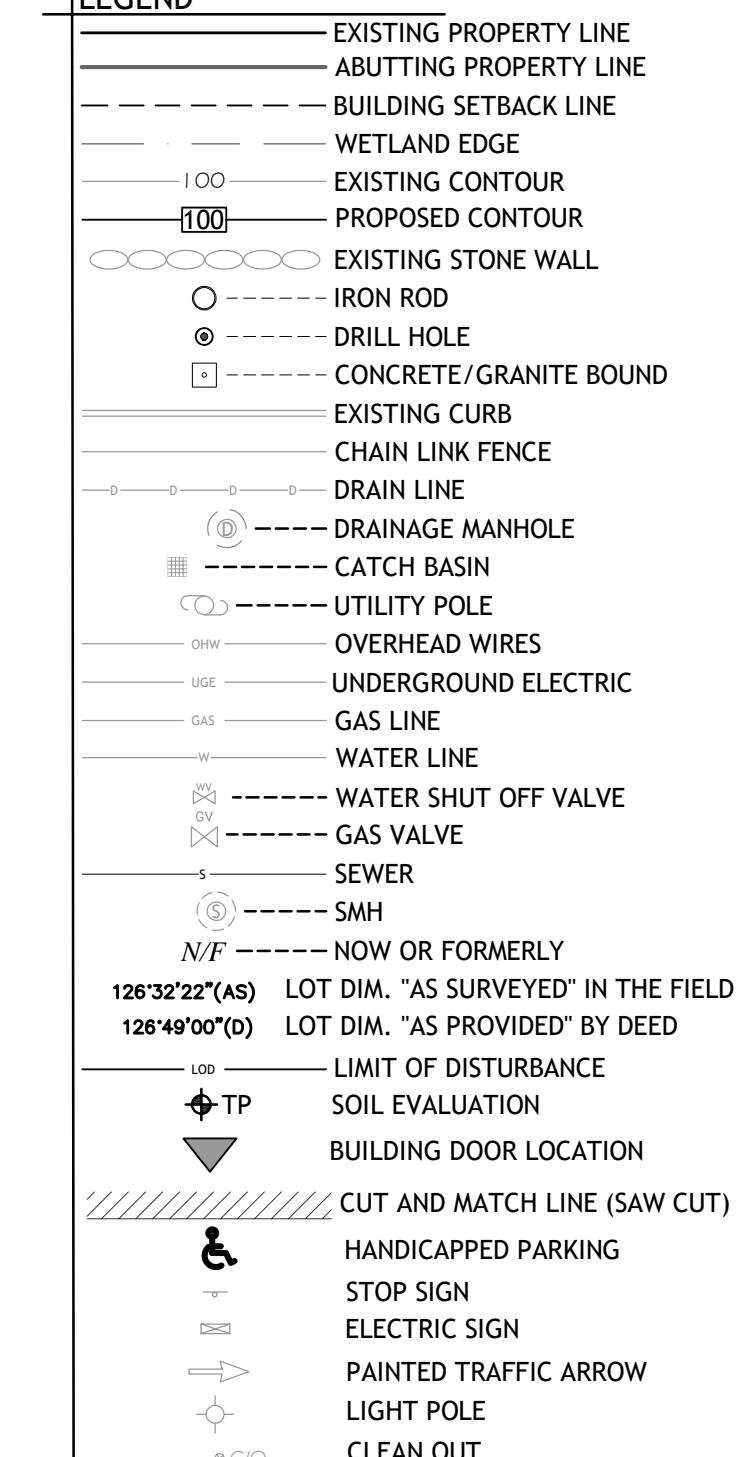
NOTE:
IF ANY SETBACK IS LESS THAN THE REQUIRED SETBACK AS DETERMINED BY THE GOVERNING AGENCY, THE GOVERNING AGENCY SHALL SUPERSEDE ABOVE BULLETED SETBACK(S). REFER TO THE LOCAL BUILDING OFFICIAL FOR DETAILED SETBACK CRITERIA.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

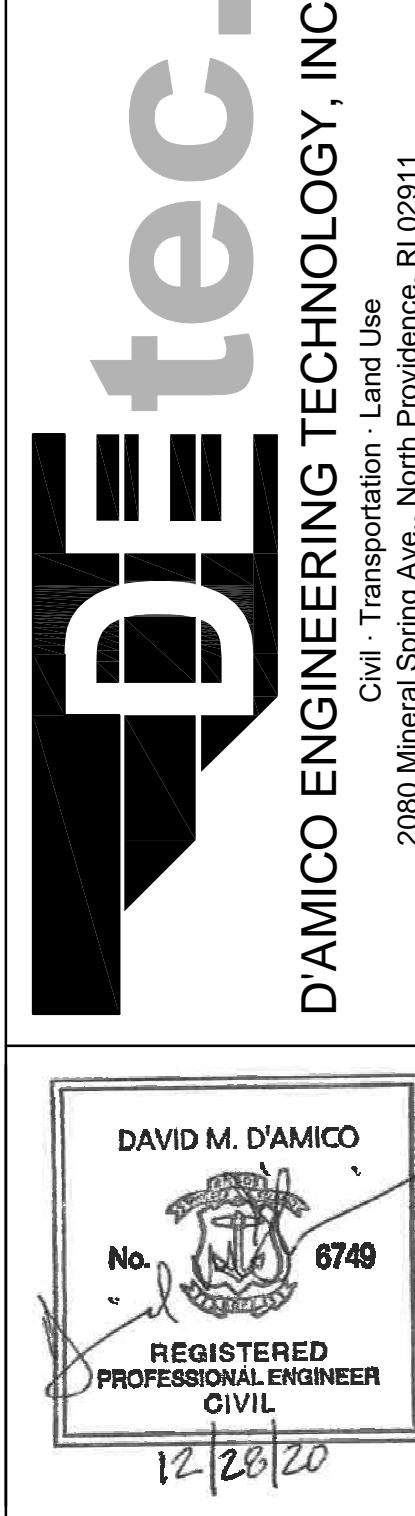
1. THE HAYBALE AND SILT FENCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.
2. THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
3. ALL CATCH BASINS AND CULVERTS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES. ALL PROPOSED STORM WATER DISCHARGE AREAS SHALL BE LINED WITH A RIPRAP SPLASH PAD AND PROTECTED WITH STAKED HAYBALE OUTLET PROTECTION (R.I. STD. 9.1.0), OR STAKED HAYBALE WITH SILT FENCE (R.I. STD. 9.3.0) SHALL ALSO BE INSTALLED AT ALL EXISTING STORMWATER DISCHARGE LOCATIONS WHERE DISTRIBUTING PIPES, CATCH BASINS, AND MANHOLES ARE TO BE CLEANED AND FLUSHED.
4. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.
5. ALL HAYBALES, TEMPORARY TREATMENT (HAY, STRAW, ETC.) AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
6. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.
7. THE HAYBALES SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY HAYBALES AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE HAY-BALES BECOMES FILLED WITH SEDIMENTS.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/ OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
9. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.

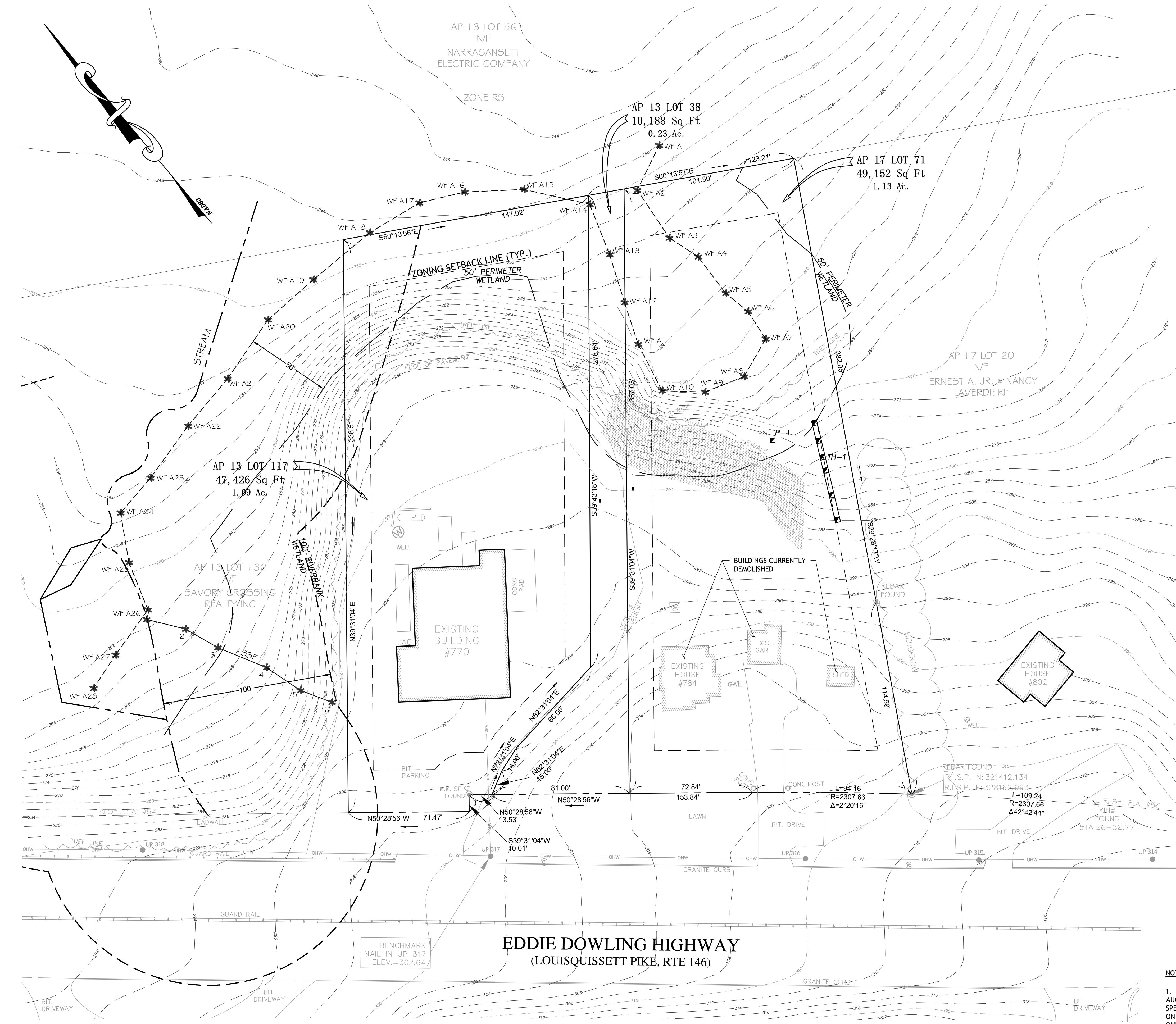
BMP MAINTENANCE SCHEDULE

1. ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONSTRUCTION EQUIPMENT AND TRAFFIC SHALL BE RESTRICTED FROM TRAVELING OVER THE INFILTRATION TRENCH AND/OR SUBSURFACE CHAMBER AREAS TO MINIMIZE COMPACTION OF THE SOIL.
3. MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER DRAINAGE SYSTEMS AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS TO ALL PIPES, INTAKE AND DISCHARGE STRUCTURES (INCLUDING RIP-RAP SPLASH PADS), CATCH BASIN SUMPS, AND MANHOLES.
4. INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES (INCLUDING ROADWAY SIDE SLOPES, FOR STRUCTURAL INTEGRITY, STABILITY AND EVIDENCE OF SOIL EROSION, SHALL INCLUDE MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BIMONTHLY IF NO RAINFALL EVENT OCCURS.
5. UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION, REPAIR ANY VEGETATIVE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, (SEEDING, PLANTING, ETC.) WHERE REQUIRED, AND REPAIR (OR REMOVE WHERE APPROPRIATE) ANY TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL DEVICES. AFTER PERMANENT SOIL STABILIZATION ON THE ENTIRE SITE HAS OCCURRED, ALL TEMPORARY CONTROL MEASURES MUST BE REMOVED.
6. AFTER THE COMPLETION OF PROJECT CONSTRUCTION AND THE FINAL STABILIZATION OF THE ENTIRE SITE, THE INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES MUST BE PERFORMED.
7. REPLANTING, REGRADING, OR OTHER REPAIRS NEEDED AS A RESULT OF SOIL EROSION AND SEDIMENTATION PROCESSES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE ENTIRE SYSTEM.
8. ANY TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM ANY WETLAND AREAS, SWALE, AND PIPE OUTLETS.

LEGEND**REVISIONS:**

NO. DATE. DESCRIPTION
DESIGNED BY: DMD
DRAWN BY: DMD
CHECKED BY: DMD
DATE: DEC., 2020
PROJECT NO: 15-0001-09

PRELIMINARY PLAN, NOT FOR CONSTRUCTION**GENERAL NOTES AND LEGEND****SHEET 2 OF 10**



EDDIE DOWLING HIGHWAY (LOUISQUISSETT PIKE, RTE 146)

ZONING CRITERIA	REQUIRED	EXIST. LOT 38	EXIST. LOT 71	EXIST. LOT 117
ZONING DISTRICT	BH	NONE	BH	BH
MINIMUM LOT AREA	10,188 SF	49,152 SF	47,426 SF	
MINIMUM DISTANCE TO RESIDENTIAL	25'	NA	69.7'	
MINIMUM FRONT YARD SETBACK	25'	NA	48.5'	
MINIMUM SIDE YARD SETBACK	15'	NA	18.1'	65.1'
MINIMUM REAR YARD SETBACK	30'	NA	< 35'	22.7'
MAXIMUM BUILDING HEIGHT	35'	NA	< 35'	316.6'
MAXIMUM BUILDING COVERAGE	25%	NA	3.7%	10.2%

SCALE (FEET)
0 15 30 60 120
1 INCH = 30 FT

**MARC N.
NYBERG
ASSOCIATES, INC.**
LAND SURVEYORS and PLANNERS
501 GREAT ROAD, UNIT 104, NORTH SMITHFIELD, RI 02896
TEL (401) 762-2870 - FAX (401) 762-2871

THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS
ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR
PROFESSIONAL LAND SURVEYORS.

MARC N. NYBERG PROFESSIONAL LAND SURVEYOR

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE
REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT
DISCLOSE.

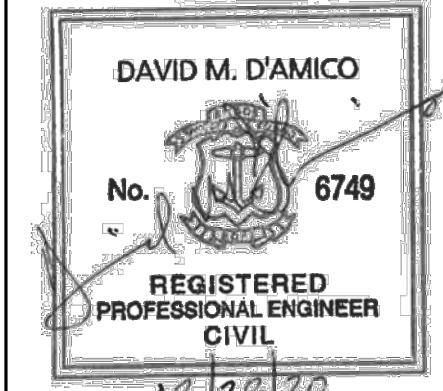
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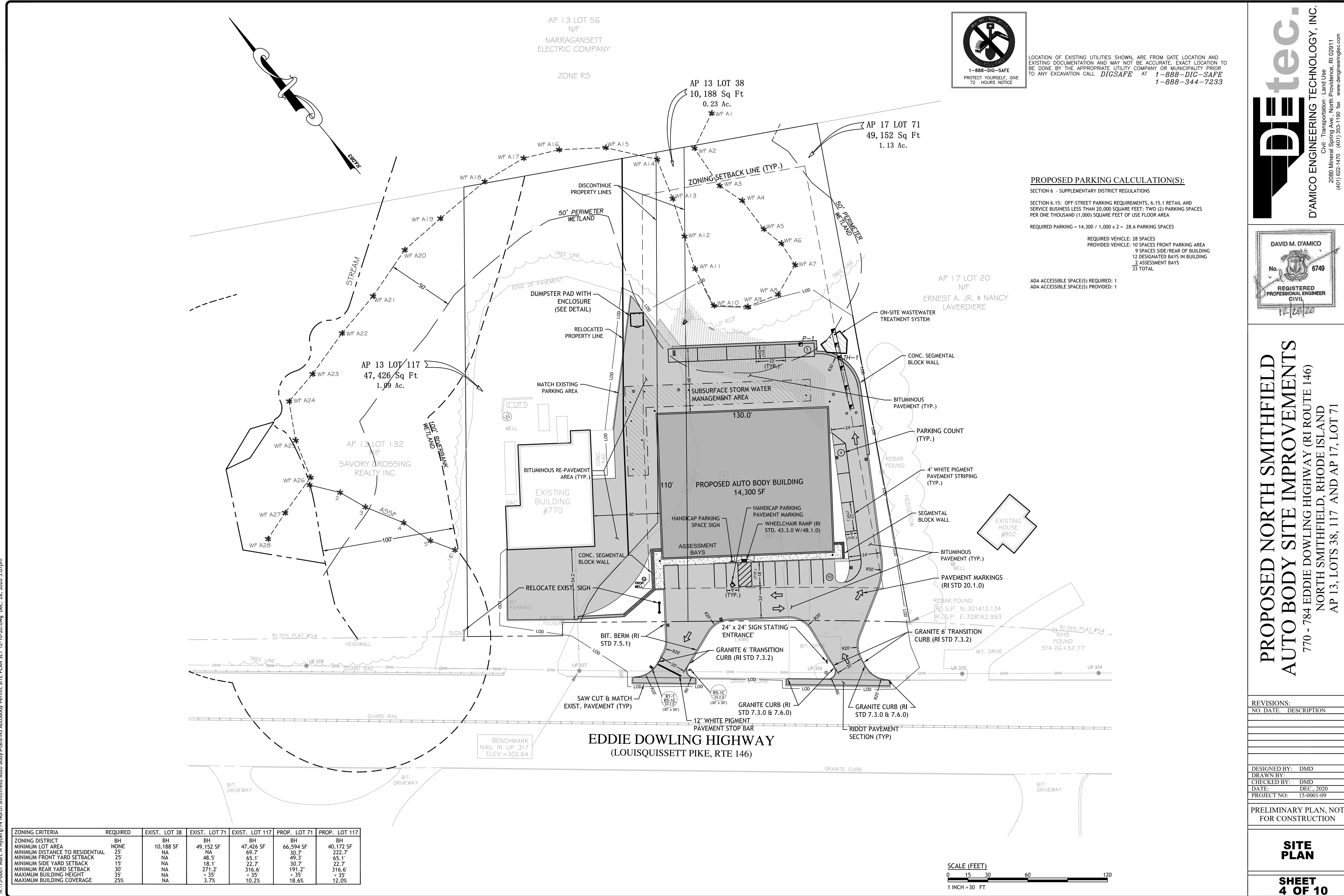
DESIGNED BY: DMD
DRAWN BY:
CHECKED BY: DMD
DATE: DEC. 2020
PROJECT NO: 15-0001-09

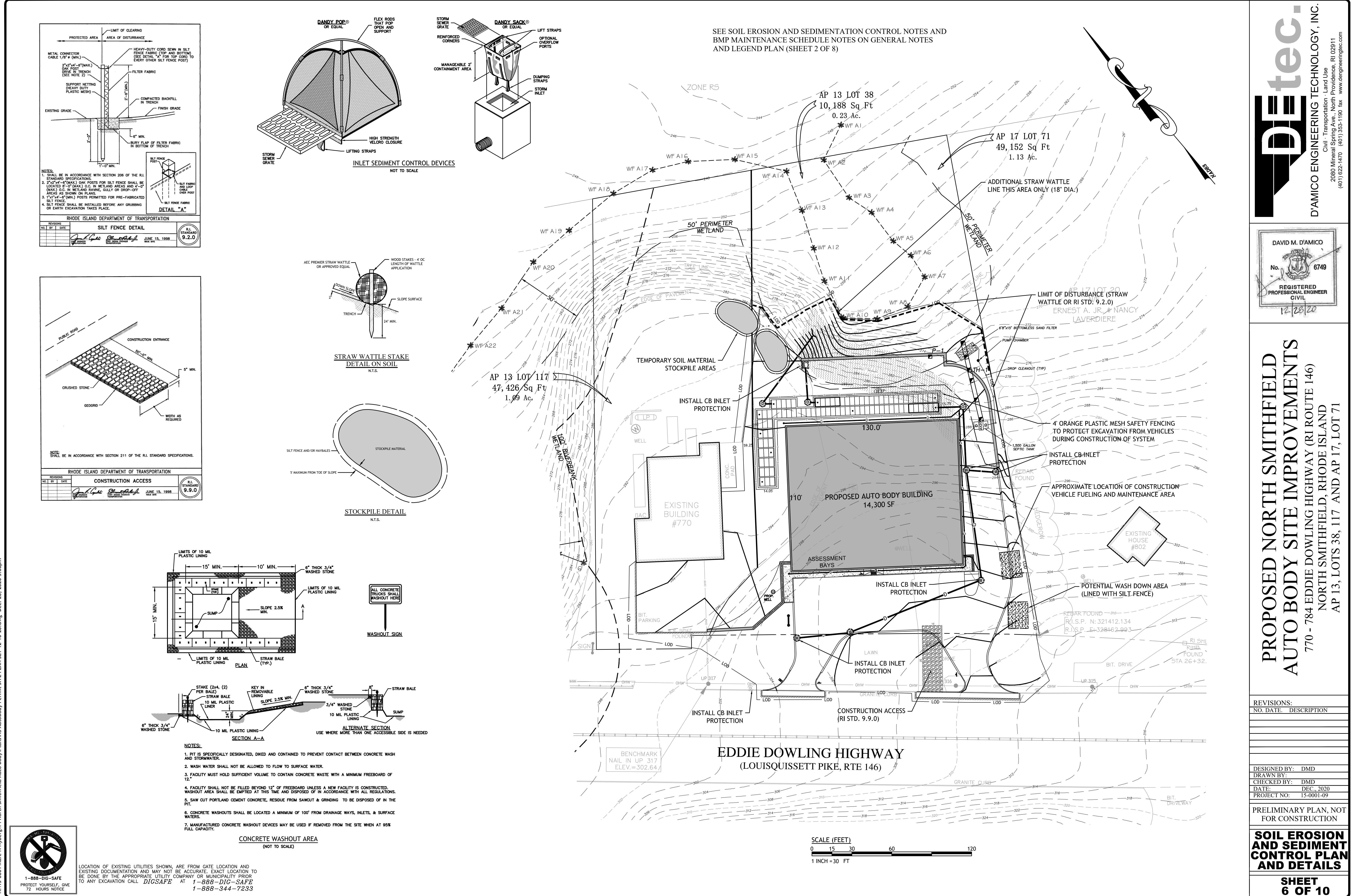
PRELIMINARY PLAN, NOT
FOR CONSTRUCTION

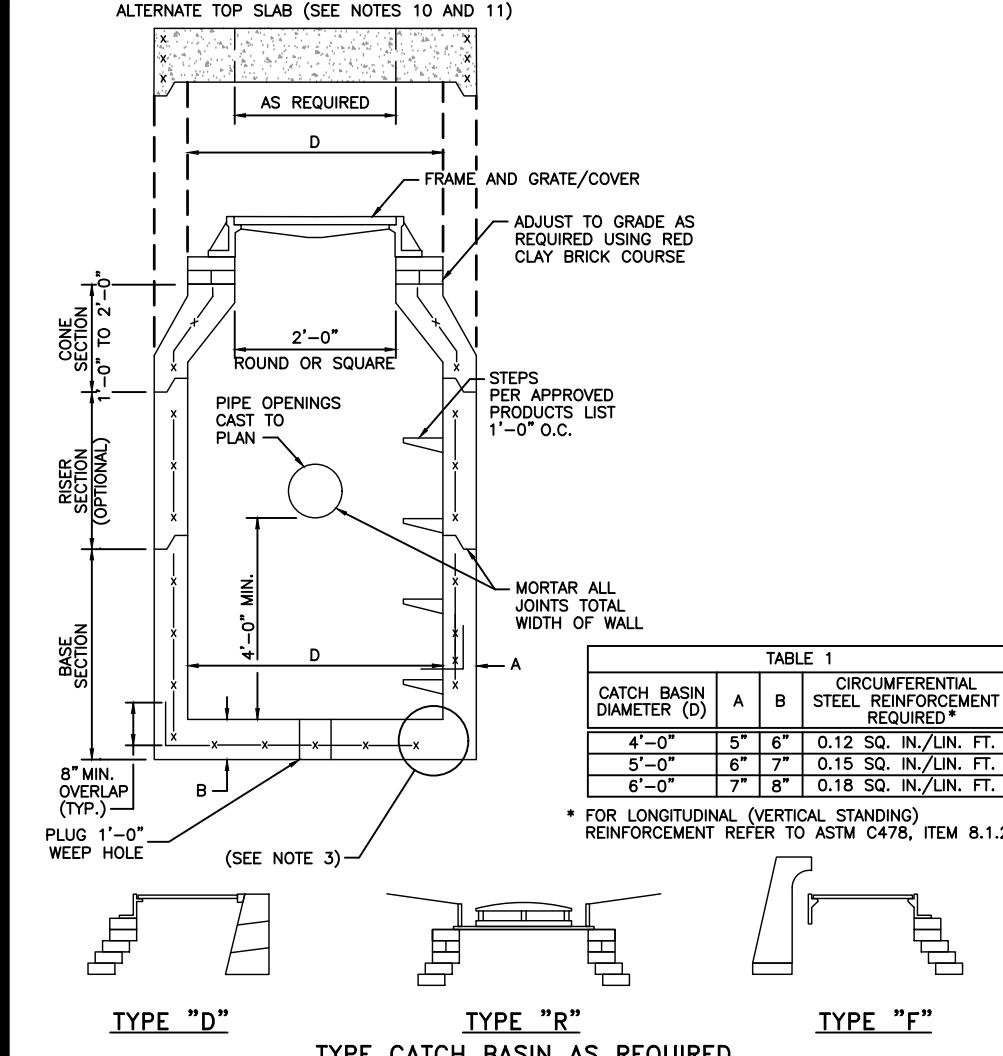
**EXISTING
CONDITIONS**

**SHEET
3 OF 10**



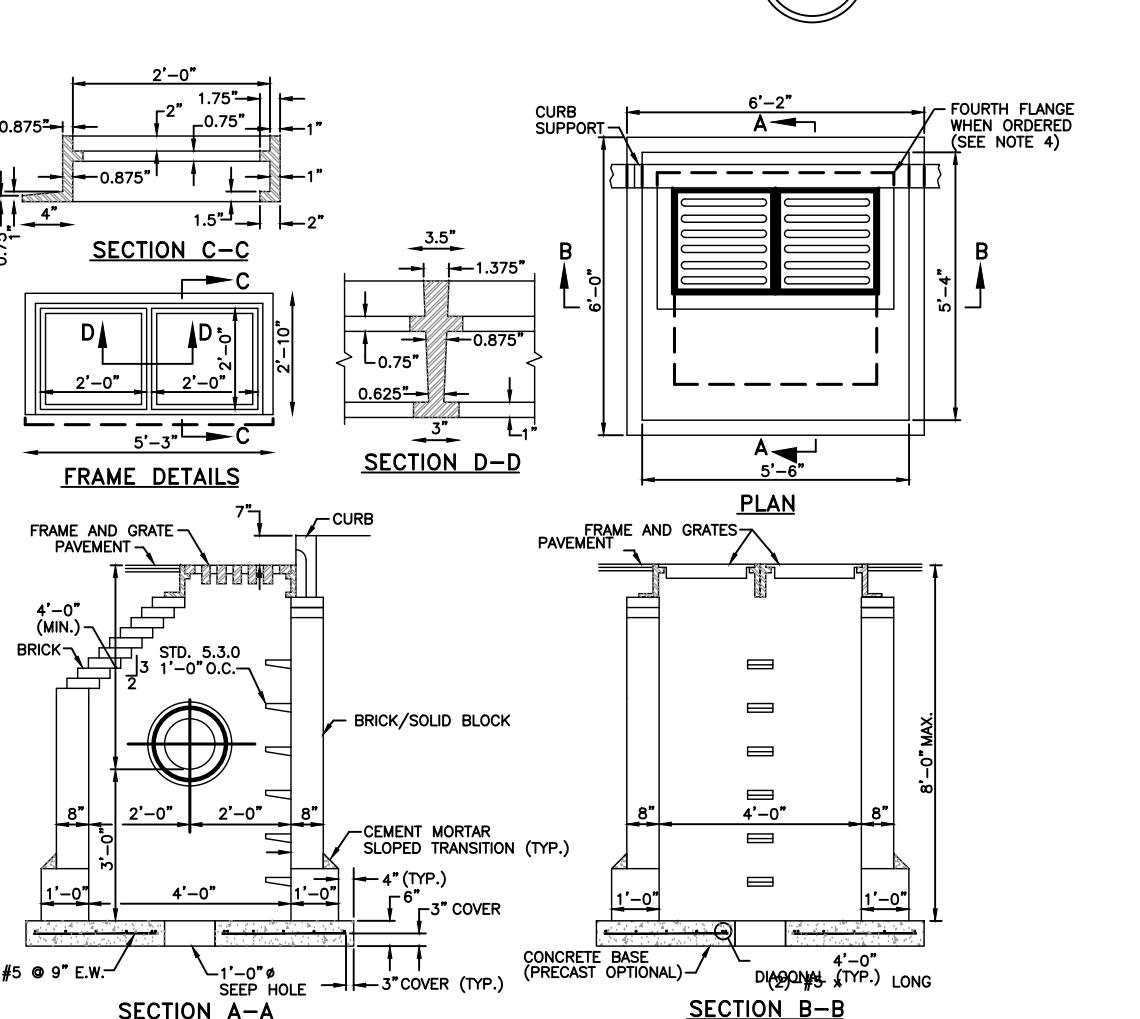






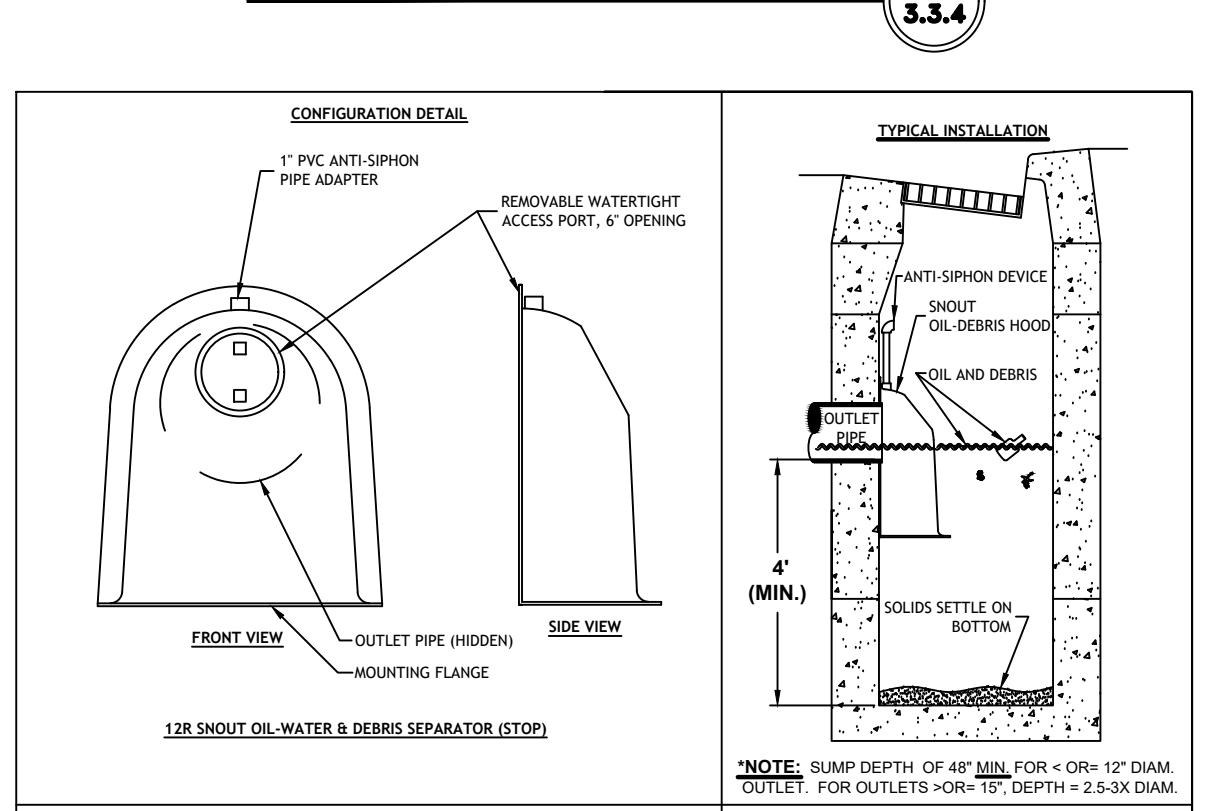
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. STEPS FOR CATCH BASIN REINFORCEMENT SHALL BE A MINIMUM OF 0.12 SQ. IN./IN. FT. (BOTH WAYS).
3. STEEL REINFORCEMENT FOR CATCH BASIN SHALL BE A MINIMUM OF 0.12 SQ. IN./IN. FT.
4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. CATCH BASIN SHALL BE A MINIMUM OF 12 IN. DEEP.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO CORING SHALL BE PERMITTED.
7. CORING MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "R" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. CATCH BASIN TYPES "D" AND "R" ARE NOT TO BE USED ON THE CURB SIDE OF THE STRUCTURE.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

PRECAST 4'-0", 5'-0" OR 6'-0" ROUND CATCH BASIN (R.I. STANDARD 4.4.0 M1)



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. 1/2" CEMENT MORTAR OR PLASTER COAT ON ALL INSIDE AND OUTSIDE SURFACES.
3. USE 8" WALLS UP TO 4'-0" DEPTH, AND 10" WALLS > 4'-0" DEPTH.
4. TWO SINGLE FRAMES WITH GRATES AND CURB ARE SUBSTITUTED FOR THE DOUBLE FRAME WITH TWIN GRATES.

BRICK/SOLID BLOCK DOUBLE GRATE CATCH BASIN (GRATE PARALLEL TO EDGE OF PAVEMENT) (R.I. STANDARD 3.3.4)



NOTES:
1. ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE PROVIDED BY BEST MANAGEMENT PRODUCTS, INC.
53 MT. ARCHER RD.
LIVONIA, MI 48150
(860) 454-2733, (860) 434-3195 FAX
TOLL FREE: 1-800-333-3544, (888) 354-7585
WEB SITE: www.bmmp.com
OR PRE-APPROVED EQUAL.

2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.12" LAMINATE THICKNESS.

3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANCHOR SHIELD.

4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION. HOOD SIZE ALWAYS LARGER THAN PIPE SIZE.

5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO + THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES > 12" LD.

6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY A MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.

7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.

8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL ANCHOR, RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAILS).

9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT.

10. THE HOOD SHALL INCLUDE:

A. INSTALLATION INSTRUCTIONS

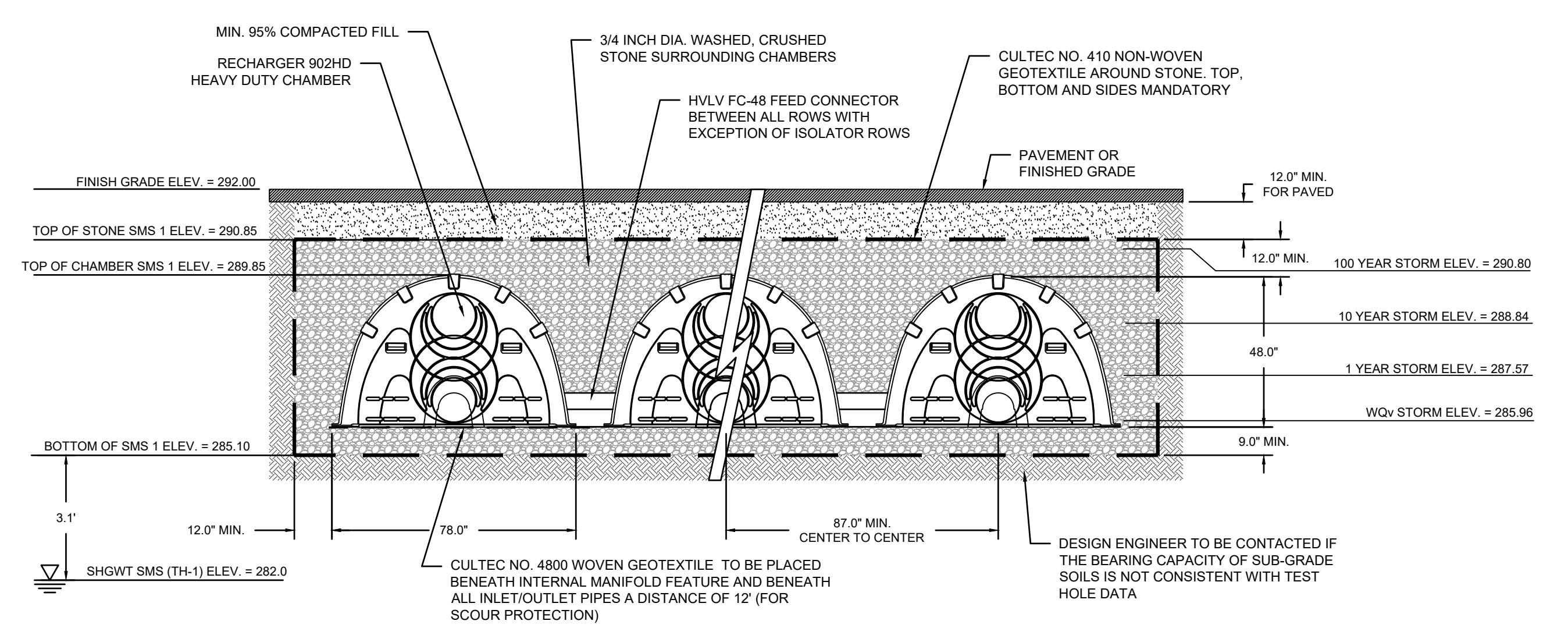
B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER

C. CEMENT MORTAR AND FOAM GASKET WITH PSA BACKING

D. 3/8" STAINLESS STEEL BOLTS

E. ANCHOR SHIELD

US Patent # 616817



NOTES:
1. CATCH BASIN DIAMETER (D) A B CIRCUMFERENTIAL REINFORCEMENT
4'-0" 5" 5' 0.12 SQ. IN./IN. FT.
5'-0" 6" 6' 0.15 SQ. IN./IN. FT.
6'-0" 7" 7' 0.15 SQ. IN./IN. FT.
* FOR LONGITUDINAL REINFORCEMENT, REFER TO ASTM C428, ITEM 8.1.2

TABLE 1
CATCH BASIN DIAMETER (D) A B CIRCUMFERENTIAL REINFORCEMENT

4'-0" 5" 5' 0.12 SQ. IN./IN. FT.
5'-0" 6" 6' 0.15 SQ. IN./IN. FT.
6'-0" 7" 7' 0.15 SQ. IN./IN. FT.

12' 0" MIN. FOR PAVED
12' 0" MIN. 100 YEAR STORM ELEV. = 290.80
10 YEAR STORM ELEV. = 288.84
48.0" 1 YEAR STORM ELEV. = 287.57
9.0' MIN. WQv STORM ELEV. = 285.96
3.1' SHGWT SMS (TH1) ELEV. = 282.0
12' 0" MIN. CENTER TO CENTER
87.0' MIN.

DESIGN ENGINEER TO BE CONTACTED IF THE BEARING CAPACITY OF SUB-GRADE SOILS IS NOT CONSISTENT WITH TEST HOLE DATA

GENERAL NOTES
RECHARGER 902HD BY CULTEC, INC. OF BROOKFIELD, CT. THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO CORING SHALL BE PERMITTED.

7. CORING MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.

8. FOR CATCH BASIN TYPES "D" AND "R" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.

9. CATCH BASIN TYPES "D" AND "R" ARE NOT TO BE USED ON THE CURB SIDE OF THE STRUCTURE.

10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).

11. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).

12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

13. THE RECHARGER 902HD CHAMBER SHALL HAVE 7 CORRUGATIONS.

14. THE RECHARGER 902HD CHAMBER IS DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

15. THE CHAMBER WILL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH NEAR THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.

16. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.

17. THE CHAMBER SHALL BE MANUFACTURED IN A FACILITY EMPLOYING CULTEC'S QUALITY CONTROL AND ASSURANCE PROCEDURES.

18. MAXIMUM ALLOWABLE COVER OVER THE TOP OF THE CHAMBER SHALL BE 3.3 FEET (2.53 m).

END CAP PARAMETERS
1. THE CULTEC RECHARGER 902HD END CAP (REFERRED TO AS 'END CAP') SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832).

2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.

3. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 315 LBS (1.40KN) PER ASTM D4632 TESTING METHOD.

4. THE GEOTEXTILE SHALL HAVE A TENSILE ELONGATION RESISTANCE OF 15% PER ASTM D4632 TESTING METHOD.

5. THE GEOTEXTILE SHALL HAVE A MULLEN BURST RESISTANCE OF 600PSI (413KPA) PER ASTM D3764 TESTING METHOD.

6. THE GEOTEXTILE SHALL HAVE A TEAR RESISTANCE OF 115 LBS (0.51KN) PER ASTM D4533 TESTING METHOD.

7. THE GEOTEXTILE SHALL HAVE A PUNCTURE RESISTANCE OF 150 LBS (0.66KN) PER ASTM D4633 TESTING METHOD.

8. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 900 LBS (4.00KN) PER ASTM D3624 TESTING METHOD.

9. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 70% @ 500 HRS. PER ASTM D4355 TESTING METHOD.

10. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.05 SEC-1 PER ASTM D4491 TESTING METHOD.

11. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 4 GPM/FT² (160 LPM/MT²) PER ASTM D4491 TESTING METHOD.

12. THE GEOTEXTILE SHALL HAVE A PERCENT OPEN AREA OF <1% PER CW-02215 TESTING METHOD.

13. THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 US STD. SIEVE (0.425 MM) PER ASTM D4751 TESTING METHOD.

14. THE GEOTEXTILE SHALL CONSIST OF A 100% HIGH-TENACITY, SILT-FILM POLYPROPYLENE YARNS.

CULTEC RECHARGER® 902HD PRODUCT SPECIFICATIONS

GENERAL
CULTEC RECHARGER® 902HD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.

CHAMBER PARAMETERS
1. THE CHAMBERS SHALL BE MANUFACTURED IN THE U.S.A. BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832).

2. THE CHAMBER SHALL BE STRUCTURAL FOAM INJECTION MOLDED OF BLUE VIRGIN HIGH MOLECULAR WEIGHT IMPACT-MODIFIED POLYPROPYLENE.

3. THE CHAMBER SHALL BE ARCHED IN SHAPE.

4. THE CHAMBER SHALL BE OPEN-BOTTOMED.

5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDLED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS.

6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 902HD SHALL BE 48 INCHES (1219 mm) TALL, 78 INCHES (1981 mm) WIDE AND 4.10 FEET (1.25 mm) DEEP. THE INSTALLED LENGTH OF A JOINED RECHARGER 902HD SHALL BE 3.67 FEET (1.12 m).

7. MULTIPLE CHAMBERS MAY BE CONNECTED TO FORM DIFFERENT LENGTH ROWS. EACH ROW SHALL BEGIN AND END WITH A SEPARATELY FORMED CULTEC RECHARGER 902HD END CAP. MAXIMUM INLET OPENING ON THE END CAP IS 24 INCHES (600 mm).

8. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV® FC-48 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. MAXIMUM ALLOWABLE PIPE SIZE IN THE SIDE PORTAL IS 1.15 INCHES (30 mm).

9. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV® FC-48 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 49 INCHES (1245 mm) LONG.

10. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 902HD CHAMBER SHALL BE 12.66 FT³ (1.641 m³) WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 902HD SHALL BE 64.75 FT³ (1.834 m³) WITHOUT STONE.

11. THE NOMINAL STORAGE VOLUME OF THE HVLV® FC-48 FEED CONNECTOR SHALL BE 0.913 FT³ (0.026 m³) WITHOUT STONE.

12. THE RECHARGER 902HD CHAMBER SHALL HAVE TWENTY-FOUR DISCHARGE HOLES LOCATED ON THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE LATERAL CONVENTION OF WATER.

13. THE RECHARGER 902HD CHAMBER SHALL HAVE 7 CORRUGATIONS.

14. THE RECHARGER 902HD CHAMBER IS DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

15. THE CHAMBER WILL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH NEAR THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.

16. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.

17. THE CHAMBER SHALL BE MANUFACTURED IN A FACILITY EMPLOYING CULTEC'S QUALITY CONTROL AND ASSURANCE PROCEDURES.

18. MAXIMUM ALLOWABLE COVER OVER THE TOP OF THE CHAMBER SHALL BE 3.3 FEET (2.53 m).

END CAP PARAMETERS
1. THE CULTEC RECHARGER 902HD END CAP (REFERRED TO AS 'END CAP') SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832).

2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.

3. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 315 LBS (1.40KN) PER ASTM D4632 TESTING METHOD.

4. THE GEOTEXTILE SHALL HAVE A TENSILE ELONGATION RESISTANCE OF 15% PER ASTM D4632 TESTING METHOD.

5. THE GEOTEXTILE SHALL HAVE A MULLEN BURST RESISTANCE OF 600PSI (413KPA) PER ASTM D3764 TESTING METHOD.

6. THE GEOTEXTILE SHALL HAVE A TEAR RESISTANCE OF 115 LBS (0.51KN) PER ASTM D4533 TESTING METHOD.

7. THE GEOTEXTILE SHALL HAVE A PUNCTURE RESISTANCE OF 150 LBS (0.66KN) PER ASTM D4633 TESTING METHOD.

8. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 900 LBS (4.00KN) PER ASTM D3624 TESTING METHOD.

9. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 70% @ 500 HRS. PER ASTM D4355 TESTING METHOD.

10. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.05 SEC-1 PER ASTM D4491 TESTING METHOD.

11. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 4 GPM/FT² (160 LPM/MT²) PER ASTM D4491 TESTING METHOD.

12. THE GEOTEXTILE SHALL HAVE A PERCENT OPEN AREA OF <1% PER CW-02215 TESTING METHOD.

13. THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 US STD. SIEVE (0.425 MM) PER ASTM D4751 TESTING METHOD.

14. THE GEOTEXTILE SHALL CONSIST OF A 100% HIGH-TENACITY, SILT-FILM POLYPROPYLENE YARNS.

CULTEC HVLV® FC-48 FEED CONNECTOR PRODUCT SPECIFICATIONS

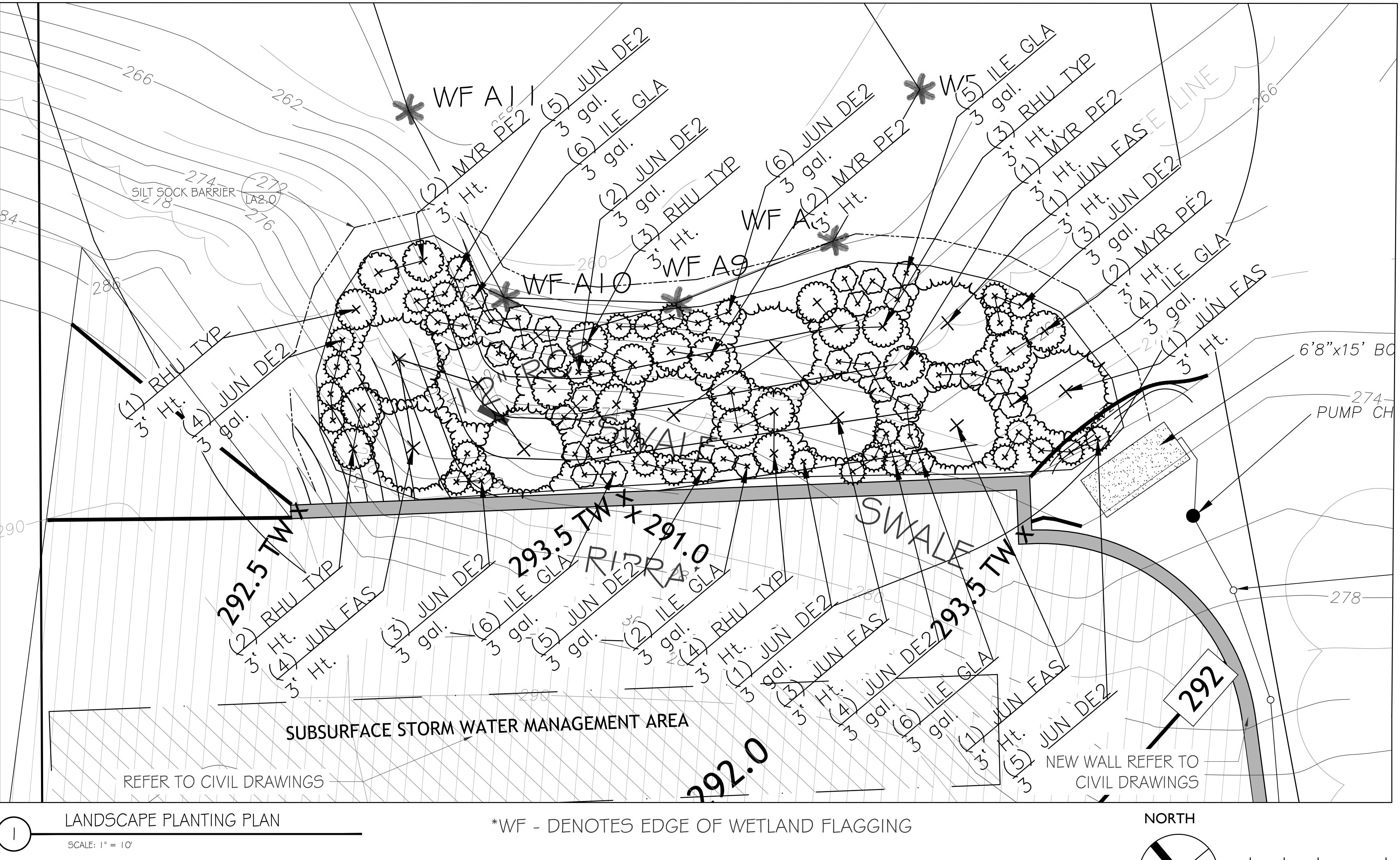
GENERAL
CULTEC HVLV® FC-48 FEED CONNECTORS ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER MODEL 902HD STORMWATER CHAMBERS.

FEED CONNECTOR PARAMETERS
1. THE FEED CONNECTOR SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832).

2. THE FEED CONNECTOR SHALL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH-DENSITY POLYETHYLENE (HMWHDPE).

</div





PLANTING NOTES:

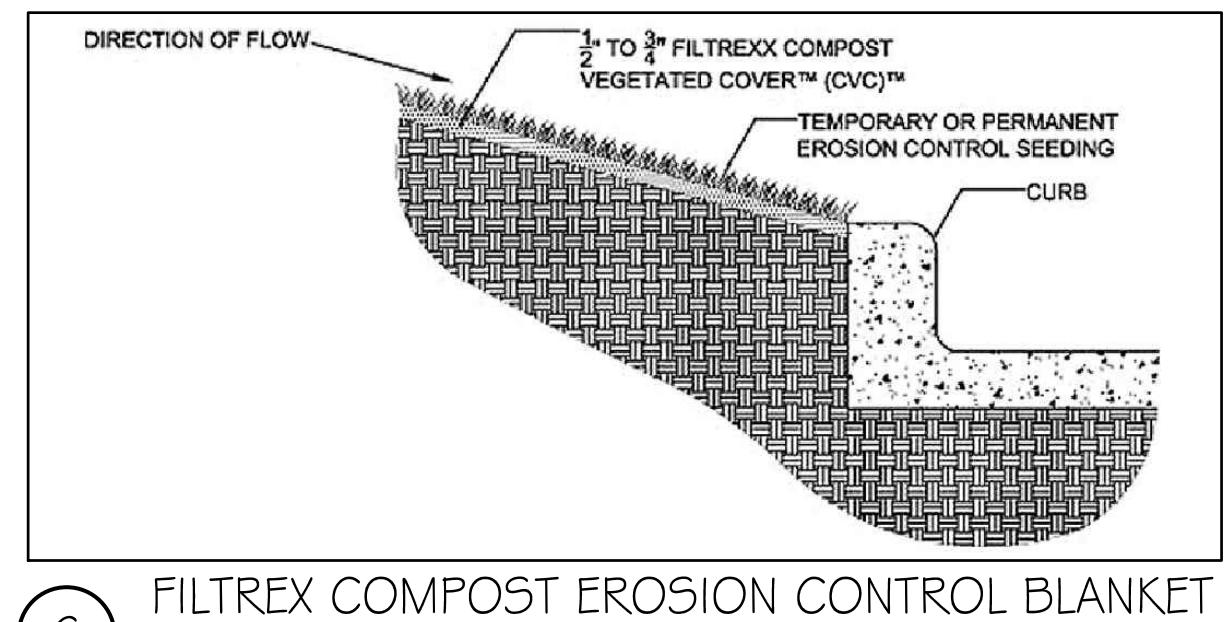
1. REFER TO CIVIL ENGINEERS UTILITY, GRADING AND DRAINAGE PLANS FOR UTILITY LOCATIONS AND DRAINAGE INFORMATION. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS OR IF THERE ARE DISCREPANCIES BETWEEN THE PLANS.
2. VERIFY LOCATIONS OF ALL SITE IMPROVEMENTS INSTALLED. IF ANY PART OF THIS PLAN CANNOT BE IMPLEMENTED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
3. PERFORM EXCAVATION FOR LANDSCAPE WORK IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE, AND IF NECESSARY, BY HAND. CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
4. CONTRACTOR TO VERIFY PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY. IF QUANTITIES ON PLANT LIST DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHIC INDICATIONS SHALL PREVAIL.
5. ALL DISTURBED AREAS NOT COVERED BY STRUCTURES, PAVEMENT, RIP RAP, STONE, MULCH OR PLANTING BEDS AND TREE PITS SHALL BE TOP SOILED AND SEDED.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ALL TOPSOIL IN ACCORDANCE WITH THE SPECIFICATIONS AND PROVIDING TEST RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO PLACING TOPSOIL.
7. LANDSCAPE ARCHITECT SHALL REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS PRIOR TO DELIVERY TO SITE. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY AND ALL PLANT MATERIAL WHEN DELIVERED TO THE SITE. THE CONTRACTOR SHALL RECEIVE LANDSCAPE ARCHITECT'S APPROVAL OF PLANT MATERIAL QUALITY AND LOCATION PRIOR TO INSTALLATION.
8. FINAL LOCATION OF PLANTING TO BE VERIFIED IN THE FIELD BY THE LANDSCAPE ARCHITECT BEFORE DIGGING. CONTRACTOR SHALL STAKE OUT ALL PLANTING BEDS AND FLAG ALL TREES AND EACH INDIVIDUAL SHRUB PRIOR TO UNLOADING PLANTS FROM TRUCK. SPADE EDGE ALL PLANTING BEDS IN LAWN AREAS.
9. PLANTING MIX BACKFILL FOR PLANT HOLES TO BE 2 PARTS LOAM/TOPSOIL TO 1 PART COW MANURE OR 2 PARTS ORGANIC COMPOST TO 1 PART PEAT MOSS. PLANT MIX BACKFILL FOR BEARBERRY AND ORNAMENTAL GRASSES TO BE 1 PART LOAM TO 1 PART SAND TO ONE PART ORGANIC COMPOST.
10. SUBSTITUTIONS ON PLANT MATERIALS MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
11. 2" FILTREXX COMPOST EROSION CONTROL BLANKET™ TO BE SPRAYED OVER SITE AFTER PLANTING. SEE DETAIL 6 AND REFERENCE WEBSITE: <https://www.filtrexx.com/en/applications/stabilization/compost-erosion-control-blanks>

PHASE 2
WETLAND RESTORATION
NORTH SMITHFIELD
AUTOBODY
770 EDDIE DOWLING HIGHWAY,
SMITHFIELD, RI

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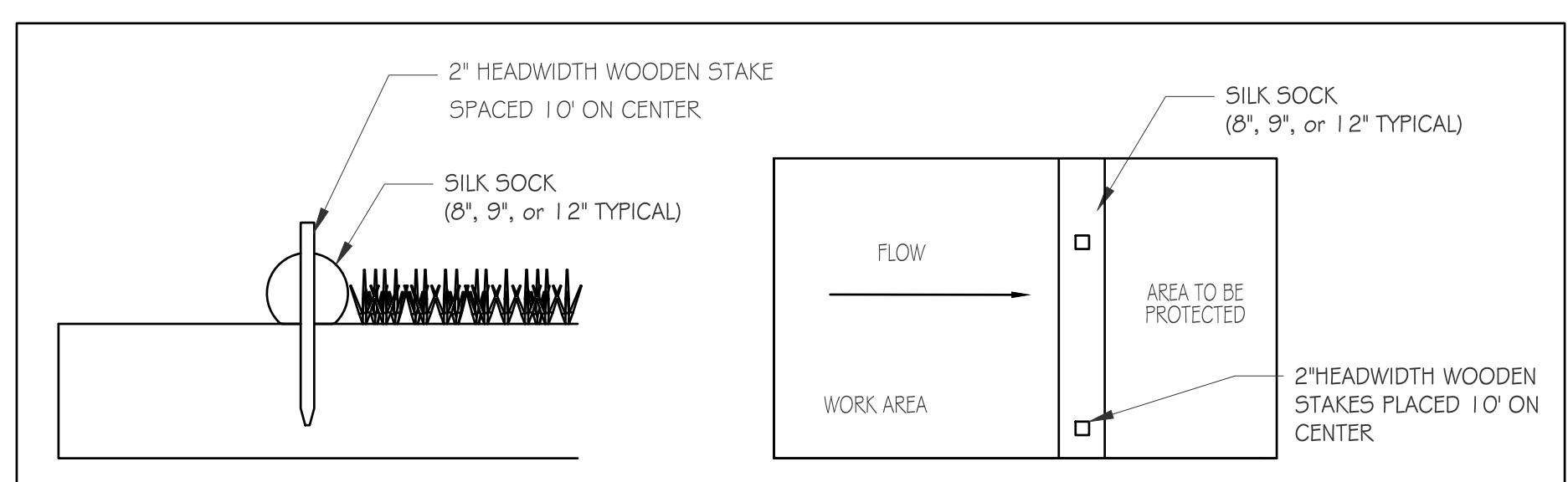
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REVISIONS



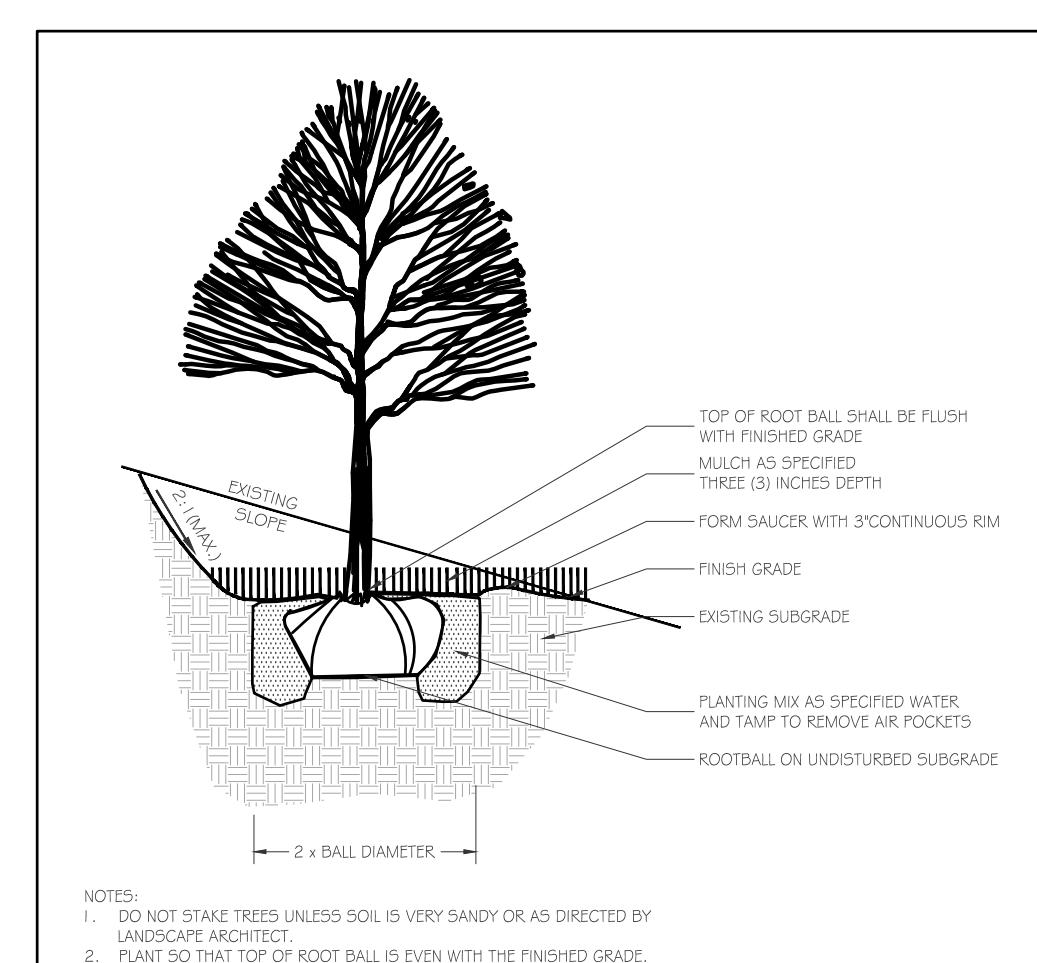
STAMPS

PLANT SCHEDULE							
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	DETAIL
	JUN EAS	10	Juniperus virginiana	Eastern Red Cedar	3' Ht.	Pot	
	ILE GLA	30	Ilex glabra	Inkberry Holly	3 gal.	Pot	48° o.c.
	JUN DE2	37	Juniperus communis depressa 'Blueberry Delight'	Blueberry Delight Juniper	3 gal.	Pot	48° o.c.
	MYR PE2	8	Myrica pensylvanica	Northern Bayberry	3' Ht.	Pot	72° o.c.
	RHU TYP	13	Rhus typhina	Staghorn Sumac	3' Ht.	Pot	72° o.c.



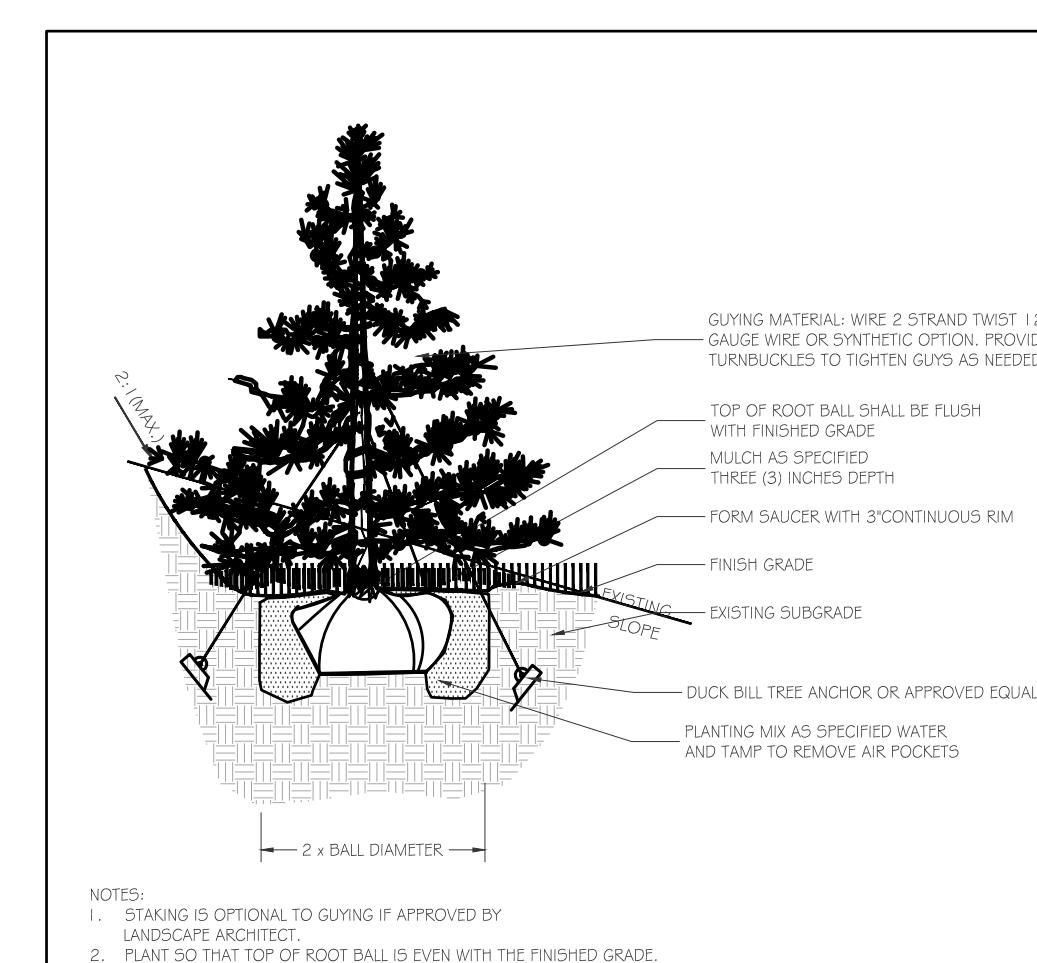
SILT SOCK

SCALE: NTS



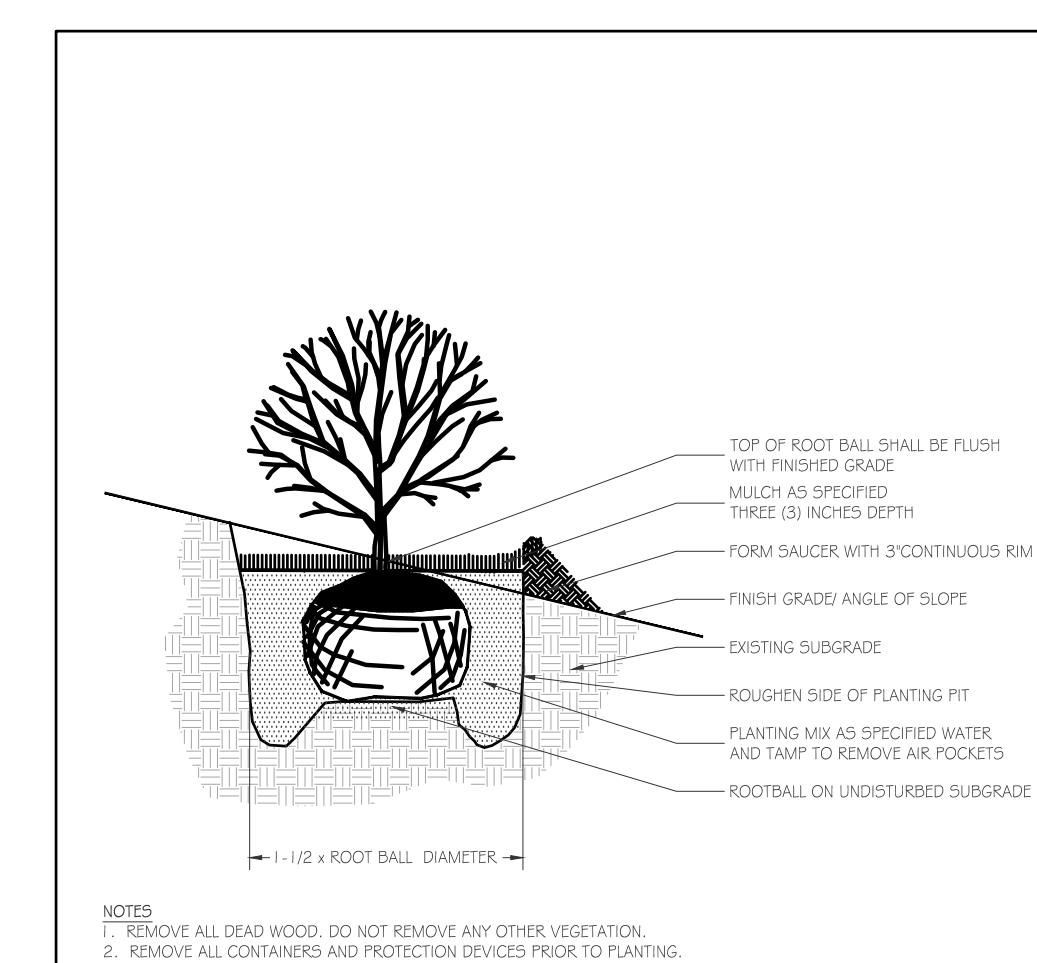
DECIDUOUS TREE ON SLOPE

SCALE: 3/8" = 1'-0"



EVERGREEN TREE ON SLOPE

SCALE: 3/8" = 1'-0"



SHRUB ON SLOPE

SCALE: 3/8" = 1'-0"

 DATE: DECEMBER 29, 2020
 JOB NO. NS AUTO 20-022
 DRAWN BY: EMP
 CHECKED BY: EMP/AA
 DRAWING TITLE: RESTORATION LANDSCAPE PLAN

SHEET NO.

LA 2.0

10 OF 10