

OWTS NOTES & CONDITIONS.
 PUBLIC WATER SERVICE AREA: NO WELL REQUIRED.
 THERE ARE NO PROPOSED OR EXISTING SEPTIC SYSTEMS WITHIN 200' OF PROPOSED WELL, EXCEPT AS SHOWN.
 THERE ARE NO PROPOSED OR EXISTING WELLS, FOR HUMAN CONSUMPTION, WITHIN 200 FEET OF PROPOSED SEPTIC SYSTEM UNLESS SHOWN HEREON.
 THERE ARE NO EXISTING OR PROPOSED PUBLIC WELLS WITHIN 500 FEET OF THIS PROPOSED SEPTIC SYSTEM.
 ALL PROPOSED AND EXISTING DRAINS WITHIN 200 FEET OF PROPOSED TRENCHES ARE SHOWN.
 THERE ARE NO EXISTING OR PROPOSED DRAINS WITHIN 25 FEET OF PROPOSED TRENCHES.
 ALL PIPING TO BE SCHEDULE 35, UNLESS OTHERWISE NOTED.
 1250 GALLON SEPTIC TANK MANHOLES (2) PLACED TO GRADE. ALL SEPTIC TANKS SHALL BE CERTIFIED WATER TIGHT BY MANUFACTURER.
 DISTRIBUTION BOX H-20 WHEEL LOADING ACCESS COVER TO GRADE.
 REFER TO PROFILE AND TYPICALS FOR ADDITIONAL DATA.
 THIS DESIGNER IN NO WAY GUARANTEES SOIL CONDITIONS BEYOND THE LOCATION OF SHOWN TESTING. ANY SOIL CHANGES, FILL, LEACH OR DISCREPANCIES IN REPORTED DATA SHALL BE FORWARDED TO THIS DESIGNER AND THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT ISD DIVISION, IN WRITING, PRIOR TO COMMENCING CONSTRUCTION OF THE SHOWN SYSTEM.
 THE INSTALLER SHALL NOTIFY DESIGNER OF RECORD 10 (TEN) DAYS PRIOR TO INSTALLATION OF THIS SYSTEM IF ITEM E. OF ISDS APPLICATION IS CIRCLED. HE SHALL NOTIFY DESIGNER 24 HOURS PRIOR TO REQUIRED INDIVIDUAL INSPECTIONS.
 THE INSTALLER SHALL REMIT ALL DEM ISDS INSPECTOR REQUESTS (INSPECTION REPORTS) TO DESIGNER OF RECORD WITHIN 24 HOURS OF RECEIPT. HE SHALL NOT COVER SYSTEM UNTIL AN AGENT OF DESIGNER HAS GIVEN COVER ORDER.
 THE OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF ALL INSPECTIONS, AS-BUILT WORK AND AS-BUILT SUBMISSIONS.
 DISCHARGE OF ANY SOLID OR LIQUID MATERIAL INCLUDING BACKWASH FROM WATER SOFTENERS, PURIFIERS, FILTERING SYSTEMS, CHEMICAL DISCHARGES OR ANY OTHER CAUSTIC SUBSTANCE OR LIQUID DISCHARGE NOT MEETING THE DEFINITION OF "WASTEWATER" AS DEFINED IN SECTION 7 OF RULES ESTABLISHED BY MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, REVISED NOVEMBER 25, 2018, IS STRICTLY PROHIBITED.

CONSTRUCTION NOTES:
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH RIDEM RULES AND REGULATIONS OF NOVEMBER 25, 2018, AS AMENDED.
 HEAVY EQUIPMENT SHALL NOT PASS OVER OWTS AREA. PAVEMENT, PARKING AND VEHICULAR TRAFFIC ARE PROHIBITED OVER OWTS UNLESS SPECIFIED BY DESIGN.
 NO TRACKED VEHICLES ALLOWED OVER SYSTEM AREA.

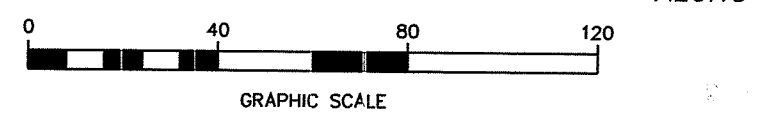
RESTRICTIONS & MAINTENANCE NOTES
 1. GARBAGE DISPOSALS SHALL NOT BE PERMITTED BY THIS DESIGN. OWNER IS REQUIRED TO INSPECT SEPTIC SYSTEM QUARTERLY, WITH 2 YEAR MINIMUM PUMPING INTERVAL.
 2. EFFLUENT FILTER SHALL BE INSPECTED AND CLEANED AT MINIMUM BIENNIAL INTERVALS.

SEPTIC SYSTEM NOTE:
 2 COMPARTMENT SEPTIC SYSTEM TO BE PLACED ON STABLE, LEVEL BASE WITH INLET & OUTLET TEES WITH MANHOLES PLACED TO GRADE.
 WELL TO SEPTIC TANK MINIMUM SEPARATION 75 FEET WATERLINE TO SEPTIC TANK MINIMUM SEPARATION 10 FEET.

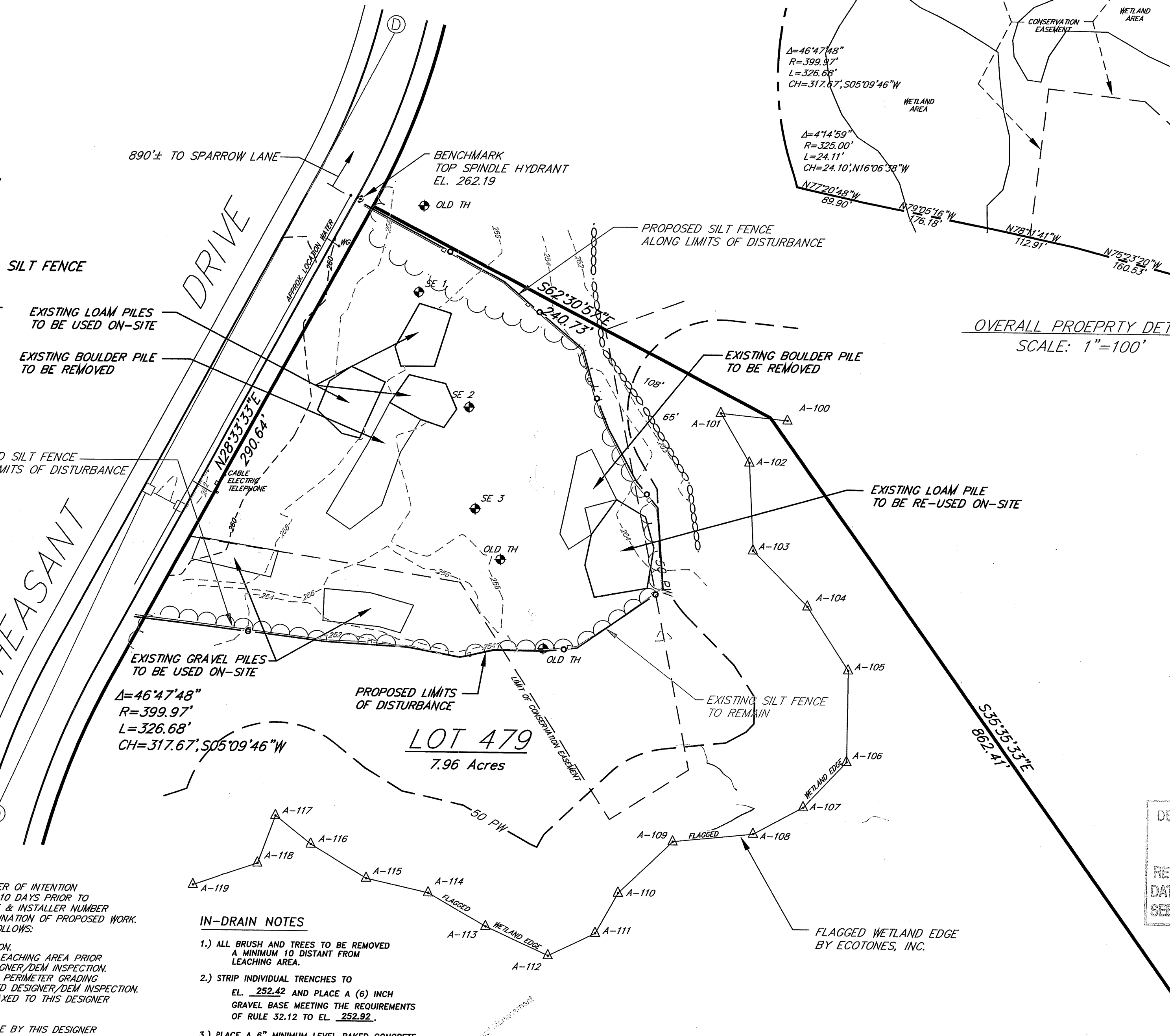
DISTRIBUTION BOX NOTES:
 H-20 WHEEL LOADING DISTRIBUTION BOX WITH BAFFLE TO BE PLACED ON STABLE, LEVEL BASE WITH ACCESS COVER TO GRADE.
 3 S.F. MINIMUM BOTTOM AREA REQUIRED.
 WELL TO DISTRIBUTION BOX MIN. SEPARATION 75 FEET.
 WATERLINE TO DISTRIBUTION BOX MIN. SEPARATION 10 FEET.
 WELL TO BE SOLID 4" SDR 35 PVC 2' MINIMUM TO OWTS.

LEACHFIELD AREA CALCULATIONS:
 TOTAL # OF BEDROOMS = 4
 115 GAL./BEDROOM = 460 TOTAL GAL./DAY
 SOIL CATEGORY 5 = LOADING RATE: 0.52
 460 / 0.52 = 885 S.F. REQUIRED
 TOTAL L.F. OF IN-DRAIN = 132 X 7 S.F./FT. = 924 S.F.

LEGEND
 --- 100 --- EXISTING CONTOUR
 --- 100 --- PROPOSED CONTOUR
 ○ ○ ○ ○ ○ STONEWALL
 △ FLAGGED WETLAND EDGE
 50 PW --- 50' PERIMETER WETLAND CATCH BASIN
 ○ LIMITS OF DISTURBANCE & SILT FENCE
 ○ EXISTING SILT FENCE
 --- PROPOSED SILT FENCE
 --- PROPOSED WATER SERVICE

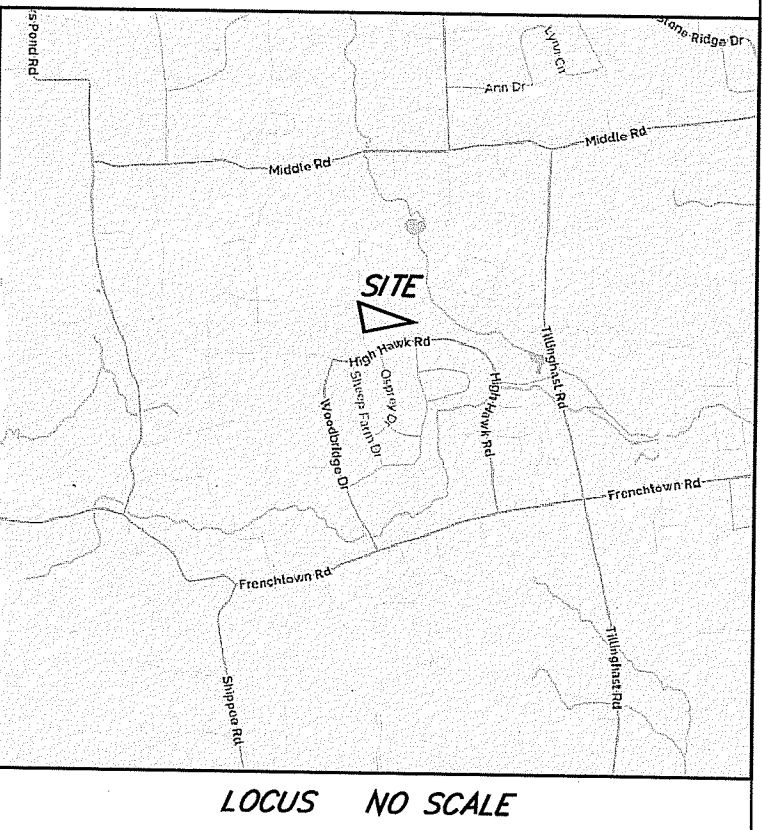


CLASS II DESIGNER REQUIREMENTS
 A. THE APPLICANT IS REQUIRED TO NOTIFY THIS DESIGNER OF INTENTION TO START CONSTRUCTION OR GRADING OF THIS SITE 10 DAYS PRIOR TO START OF SITE WORK. THE CONTRACTORS TELEPHONE & INSTALLER NUMBER SHALL BE FURNISHED TO THIS DESIGNER FOR COORDINATION OF PROPOSED WORK. THE FOLLOWING MINIMUM REQUIRED ITEMS ARE AS FOLLOWS:
 1. 24 HOUR NOTICE OF START OF CONSTRUCTION.
 2. NOTICE FOR INSPECTION OF OWTS BOTTOM LEACHING AREA PRIOR TO 12 NOON THE DAY BEFORE DESIRED DESIGNER/DEM INSPECTION.
 3. NOTICE FOR INSPECTION OF COMPONENTS & PERIMETER GRADING PRIOR TO 12 NOON THE DAY BEFORE DESIRED DESIGNER/DEM INSPECTION.
 4. ALL DEM INSPECTION SHEETS ARE TO BE FAXED TO THIS DESIGNER WITHIN 24 HOURS OF RECEIPT.
 B. SITE LAYOUT AND REQUIRED INSPECTIONS TO BE MADE BY THIS DESIGNER FOR THE FOLLOWING WORK ITEMS:
 1. FOUNDATION & OWTS LOCATION AND ELEVATION.
 2. INSPECTION OF OWTS BOTTOM LEACHING AREA.
 3. INSPECTION OF OWTS COMPONENTS & FILL PERIMETERS.
 4. FINAL COVER & WELL LOCATION INSPECTION.
 C. THE APPLICANT SHALL BE RESPONSIBLE FOR ANY CHANGES IN THE SHOWN DESIGN AND INCLUDE ANY OF THE FOLLOWING:
 1. NEW APPLICATIONS AS REQUIRED BY DEM GUIDELINES.
 2. AS-BUILT LOCATIONS AND REQUIRED PLANS.
 3. COMMUNICATIONS OR COORDINATION WITH DEM STAFF.
 4. CHANGES IN INSTALLATION NOT MEETING DEM REQUIRED GUIDELINES.
 D. THE APPLICANT SHALL PROVIDE DESIGNER WITH MATERIALS RECEIPTS FOR ALL CONSTRUCTION MATERIALS PRIOR TO DESIGNER ISSUING CERTIFICATE OF CONSTRUCTION.
 E. THE OWNER SHALL FURNISH ORIGINAL APPLICATION (PINK COPY) AND ACCOMPANYING PLAN APPROVAL TO INSTALLER PRIOR TO START OF CONSTRUCTION. SAID INFORMATION SHALL REMAIN ON SITE DURING ENTIRE CONSTRUCTION PERIOD AND RETURNED TO THE OWNER UPON COMPLETION OF OWTS INSTALLATION.
 F. OWNER / APPLICANT'S SIGNING OF APPLICATION SHALL BE CONSIDERED PERMISSION TO INSPECT THE ABOVE SITE AT ANY TIME AFTER START OF CONSTRUCTION BEGINS TO ENSURE PROPER INSTALLATION PROCEDURES & FUNCTIONING OF OWTS SYSTEM.
 G. THE ABOVE INFORMATION ARE MINIMUM REQUIREMENTS AND SHALL BE REVERSED AS THE DESIGNER DEEMS NECESSARY FOR PROPER FUNCTIONING OF THE SHOWN OWTS DESIGN.



IN-DRAIN NOTES
 1.) ALL BRUSH AND TREES TO BE REMOVED A MINIMUM 10 DISTANT FROM LEACHING AREA.
 2.) STRIP INDIVIDUAL TRENCHES TO EL. 252.42 AND PLACE A (6) INCH GRAVEL BASE MEETING THE REQUIREMENTS OF RULE 32.12 TO EL. 252.42.
 3.) PLACE A 6" MINIMUM LEVEL RAKED CONCRETE SAND BED OVER APPROVED GRAVEL BACKFILL TO ELEVATION. 252.42.
 4.) PLACE IN-DRAINS, STRIPE SIDE UP, END TO END ON THE LEVEL RAKED SAND BED.
 5.) PLACE 4" PERFORATED PIPE OVER STRIPE ON IN-DRAINS. CONNECT MID-POINTS ON ROWS 40' OR LONGER.
 6.) SECURE PIPE WITH ONE ELEM CLAMP PER IN-DRAIN. FORCE CLAMP THROUGH IN-DRAIN AND INTO THE SAND BED.
 7.) INSTALL ELEM COVER FABRIC (FILTER FABRIC) OVER ROWS OF IN-DRAINS. DRAPE FABRIC STRAIGHT DOWN OVER PIPE AND SIDES OF IN-DRAINS. SECURE WITH HAND SHOVELED SAND. DO NOT BLOCK HOLES IN PERFORATED PIPE.
 8.) PLACE CONCRETE SAND BETWEEN ROWS AND A MINIMUM OF 6 INCHES AROUND THE SIDES OF THE IN-DRAINS.
 9.) BACKFILL WITH CLEAN MATERIAL DEVOID OF LARGE ROCKS TO A MINIMUM OF 1.0' AND MAXIMUM OF 1.5" ABOVE INVERT (NO VENT).
 10.) MAINTAIN INVERT ELEVATION 10 FEET DISTANT TO LEACHING AREA IN ALL DIRECTIONS TO EL. 254.00 MINIMUM UNLESS NOTED.
 11.) INSTALL ZABEL A1800 RESIDENTIAL SEPTIC TANK EFFLUENT FILTER (OR EQUAL) INSIDE SEPTIC TANK OUTLET TEE.

HARRY A. MILLER, JR.
 No. 1967
 PROFESSIONAL LAND SURVEYOR
 D2101



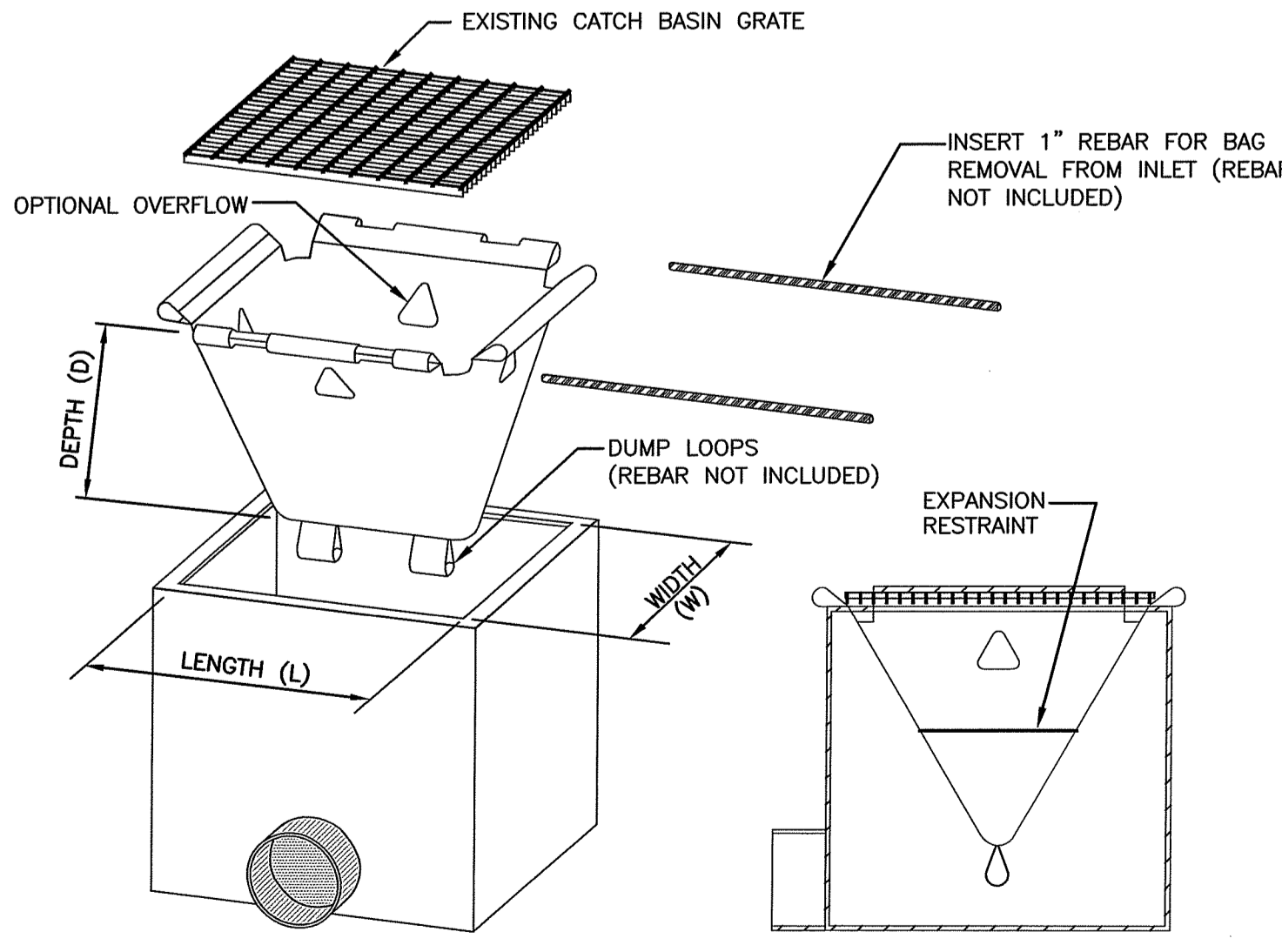
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 REVIEWED SITE PLAN APPLICATION NO. 19-0307
 DATED DEC 27 2019
 SEE LETTER OF SAME DATE.
 Nancy L. Freeman

SYSTEM DESIGNER
 HARRY A. MILLER, JR.
 ALPHA ASSOCIATES, LTD.
 35 ROCKY HOLLOW ROAD
 EAST GREENWICH, RI 02818
 PH: 401.884.8506; FAX: 401.884.7747

EXISTING CONDITIONS PLAN
 PHEASANT DRIVE
 ASSESSORS PLAT 33, MAP 15, LOT 479
 EAST GREENWICH, RHODE ISLAND
 prepared for: JAMES MALM
 prepared by: ALPHA ASSOCIATES, LTD.
 35 ROCKY HOLLOW ROAD
 EAST GREENWICH, RI 02818
 SCALE: 1"=40' OCTOBER, 2019 SHEET 1 OF 1

GENERAL NOTES

- EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE DATA AND ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH THE "DIG SAFE LAW" ENACTED BY R.I. LEGISLATURE BILL NO. 795-291, WHICH BECAME EFFECTIVE JULY 1, 1979 AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
- CONTRACTOR SHALL RECOGNIZE THAT WORK UNDER EXISTING OVERHEAD UTILITIES IS REQUIRED AND THAT MINIMUM CLEARANCE SHALL CONFORM TO UTILITY COMPANY REQUIREMENTS AND SHALL BE MAINTAINED AT ALL TIMES. THIS MAY REQUIRE SPECIAL CONSTRUCTION TECHNIQUES. SHOULD THE CONTRACTOR ELECT TO RELOCATE THE EXISTING OVERHEAD UTILITIES, THEN THE CONTRACTOR SHALL COORDINATE AND BEAR ALL ASSOCIATED COSTS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXCAVATION IN A DRY CONDITION. NO SEPARATE PAYMENT OR ALLOWANCE SHALL BE MADE FOR DEWATERING.
- FILL NEEDED FOR THE PROJECT SHALL MEET SECTION M.01.01 COMMON BORROW OF THE RIDOT STANDARDS AND SPECIFICATIONS, 2004 EDITION UNLESS OTHERWISE NOTED.
- ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR SHALL BE LOAMED AND SEEDED OR SODDED IF SO DIRECTED BY THE ENGINEER AND RETURNED TO THEIR ORIGINAL CONDITION. ALL OTHER VEGETATED OR WOODED AREAS DISTURBED SHALL BE LOAMED AND SEEDED.
- ALL EXISTING CONDITIONS UNRELATED TO THE PROJECT AND DISTURBED BY THE CONTRACTOR SHALL BE REPLACED AND RESTORED IN KIND AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXISTING PIPE, SUBSURFACE STRUCTURES, PAVEMENTS, EXCESS EXCAVATED MATERIALS AND MISCELLANEOUS MATERIALS REMOVED DURING THE COURSE OF WORK OF INSTALLING DRAINAGE, WATER, SEWER, STEAM, UNDERGROUND ELECTRIC AND COMMUNICATION LINES SHALL BE LEGALLY DISPOSED OF OFF THE PROJECT SITE BY THE CONTRACTOR OR AS DIRECTED BY THE OWNER.
- CONTINUOUS DUST CONTROL, USING CALCIUM CHLORIDE OR OTHER APPROVED METHODS, SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS AND SURFACES OF BACK FILLED TRENCHES, AS DIRECTED AND SPECIFIED BY THE ENGINEER.
- THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH ALL PERMITS, LAWS, ORDINANCES, RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN AND SPECIFIED.
- SOIL EROSION CONTROL MEASURES TO BE USED ON THE PROJECT ARE INDICATED ON THE PLANS. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE PROVISIONS OF THE RHODE ISLAND SOIL EROSION & SEDIMENT CONTROL HANDBOOK AND THE EROSION AND SEDIMENT CONTROL PLAN IN THE SPECIFICATIONS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, A CONTINUOUS UNINTERRUPTED LINE OF STAKED COMPOST FILTER SOCK SHALL BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS AND MAINTAINED IN EFFECTIVE CONDITION UNTIL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. FOLLOWING SUCCESSFUL STABILIZATION OF DISTURBED AREAS, ALL COMPOST FILTER SOCK SHALL BE REMOVED. PRIOR TO REMOVAL OF THE COMPOST FILTER SOCK, ALL ACCUMULATED TRAPPED SEDIMENT MUST BE REMOVED TO A SUITABLE UPLAND SITE.
- UNTIL VEGETATIVE COVER IS ESTABLISHED AND DISTURBED AREAS ARE STABILIZED, ACCUMULATED SEDIMENTS SHALL BE REMOVED AS SOON AS SEDIMENTS HAVE ACCUMULATED TO A DEPTH OF SIX (6) INCHES.
- THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE SHALL BE TOTALLY UNDISTURBED.
- SOIL STOCKPILES AND DEPOSITION AREA FOR CONSTRUCTION MATERIALS SHALL BE LOCATED WITHIN THE LIMIT OF WORK AND OUTSIDE THE 50-FOOT WETLAND PEREMETER AND SHALL BE SURROUNDED BY STAKED COMPOST FILTER SOCK.
- PLANTING OF GRASS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION.
- THE CONTRACTOR'S WORK SHALL INCLUDE THE CLEARING AND GRUBBING OF THE WORK SITE WITHIN THE LIMITS OF DISTURBANCE DEFINED ON THE PLANS. THE WORK INCLUDES CUTTING AND REMOVING FROM THE GROUND, AND DISPOSING TREES, STUMPS, BRUSH, SHRUBS, HEDGES, ROOTS AND OTHER VEGETATION WHICH OCCUR WITHIN THE LIMIT OF DISTURBANCE.
- THERE ARE NO KNOWN EASEMENTS, PLAT RESTRICTIONS OR COVENANTS LOCATED ON THE SITE.
- THERE ARE NO KNOWN UNUSUAL NATURAL FEATURES, HISTORIC AREAS, CEMETERIES, ETC. LOCATED ON THE SITE.



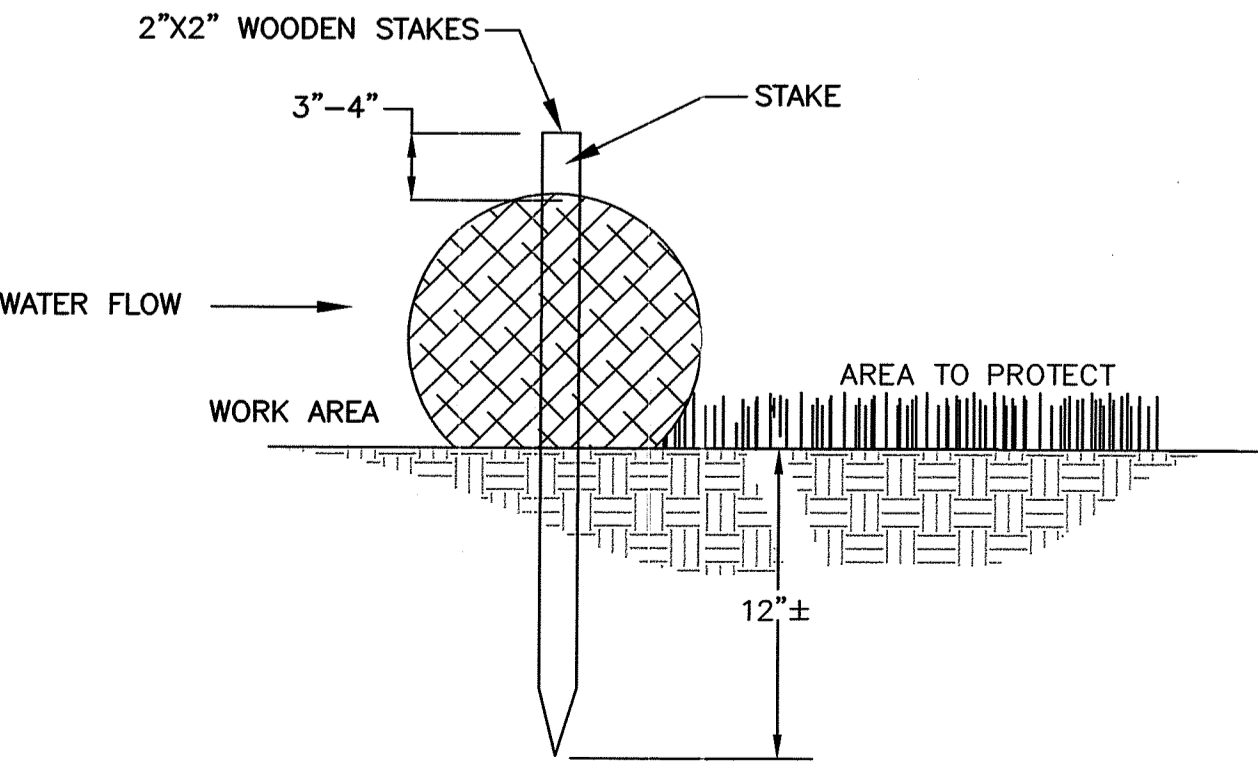
CATCH BASIN INLET PROTECTION
NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES

- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED IN AREAS WHERE WORK IS TO CEASE FOR 14 DAYS AND NOT SET TO RESUME WITHIN 21 DAYS OR THE INACTIVE WINTER SEASON.
- 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.
- THE SEEDED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

MIXTURE	BY WT.	SEEDING DATE
RED FESCUE	70	APRIL 1 - JUNE 13
KENTUCKY BLUEGRASS	15	AUG. 15 - OCT. 15
COLONIAL BENTGRASS	5	
PERENNIAL RYEGRASS	10	
TOTAL	100 LBS./ACRE	
- 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.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000-4,000 LBS./ACRE.
- ALL COMPOST FILTER SOCK, SILT FENCES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER. IF NEEDED TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. THE FOLLOWING SPECIES ARE RECOMMENDED:

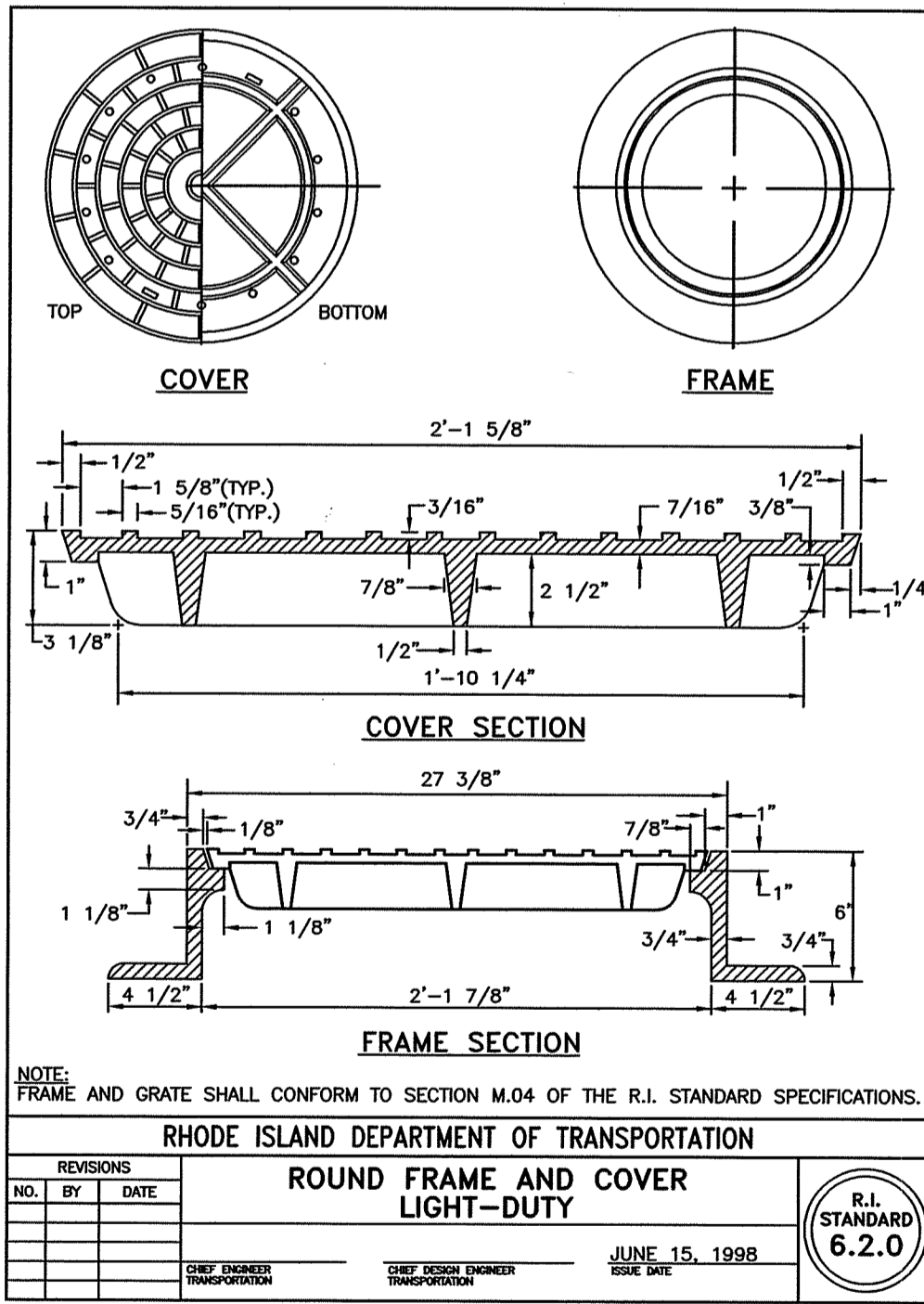
SPECIES	LBS./AC.	LBS./1,000 SQ.FT.	SEEDING DATE
ANNUAL RYEGRASS	40-60	1.0-1.5	3/1-6/1
PERENNIAL RYEGRASS	40-60	1.0-1.5	3/1-6/1
SUDAN GRASS	30-40	0.7-1.0	5/15-8/15
MILLET	30-40	0.7-1.0	5/15-8/15
WINTER RYE	120	3.0	4/15-6/15
OATS	86-120	0.5-5.0	3/1-6/15
WEeping	5-20	0.5-5.0	5/1-7/1
- THE CONTRACTOR SHALL PLACE LOAM & SEED THROUGHOUT THE PROJECT AREA WHERE EROSION HAS BEEN DISTURBED AND ANY/ALL AREAS IMPACTED DURING THE CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR MUST REPAIR AND OR RESEED ANY/ALL DISTURBED AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST - JUNE 15TH AND AUGUST 15TH TO OCTOBER 15TH.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- EROSION CONTROL DEVICES SHOULD INSPECTED WEEKLY AND AFTER RAINFALL EVENTS OF > 1/2" IN A 24-HOUR PERIOD. MAINTENANCE AND REPAIRS SHALL BE COMPLETED WITH 24 HOURS OF THE INSPECTION WHEN NECESSARY.
- IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY ROUGH GRADING, TEMPORARY COMPOST FILTER SOCK OR SILT FENCES SHALL BE PLACED AS INDICATED ON THE PLANS.
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.
- ALL INLETS (CATCH BASINS) TO BE INSTALLED AS PART OF THE PROPOSED DRAINAGE SYSTEMS SHALL BE PROVIDED WITH FABRIC FILTER BAG PROTECTION DEVICES (SILT SACK MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUAL). DEVICES SHALL BE INSTALLED, MAINTAINED, AND CLEANED IN ACCORDANCE WITH RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (REVISED AUGUST 2014) FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL STORMWATER CONTROLS ARE FULLY STABILIZED AND ONLINE.



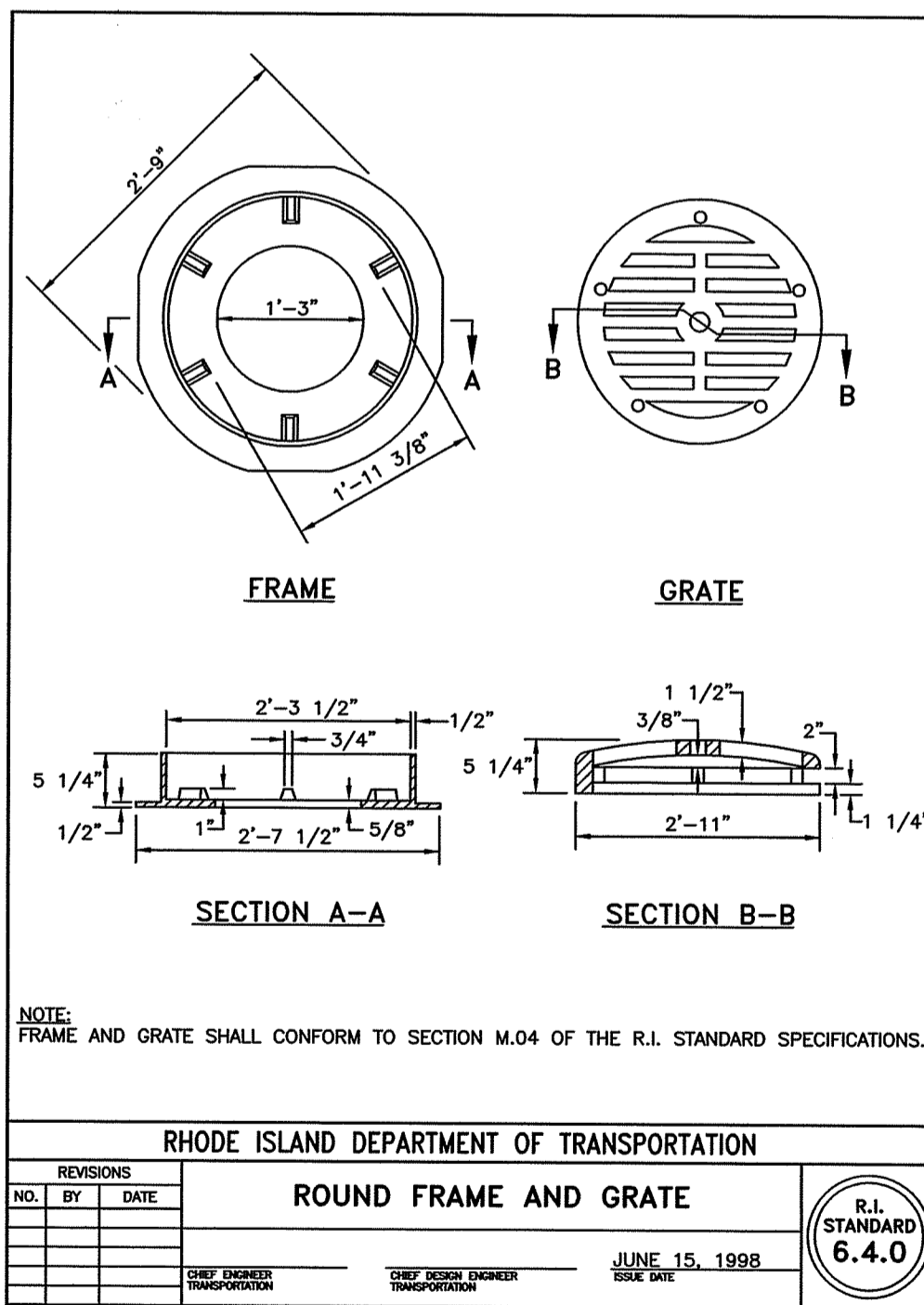
COMPOST FILTER SOCK
NOT TO SCALE

STORMWATER MAINTENANCE NOTES

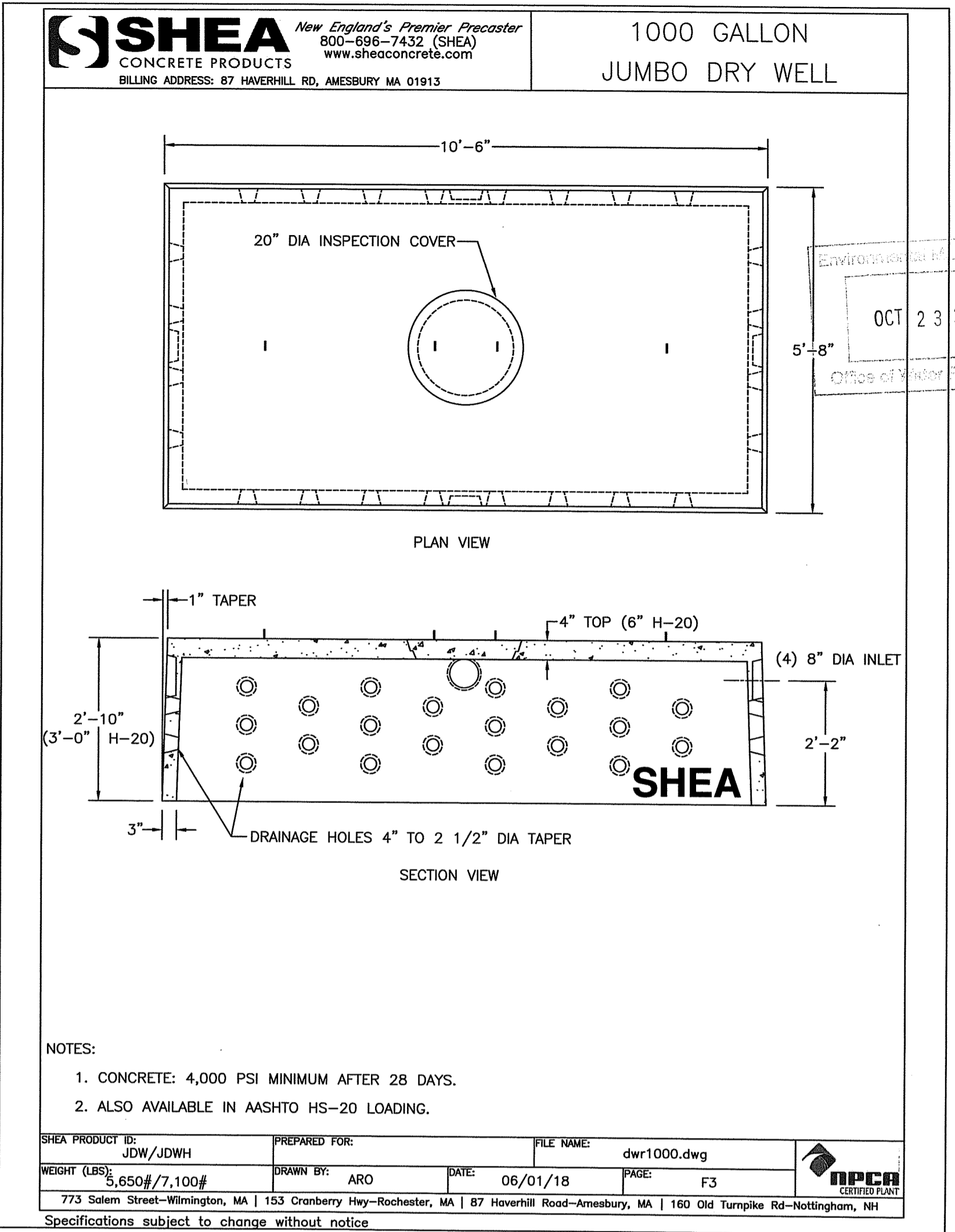
- ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
 - MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER MANAGEMENT PRACTICES, SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS TO THE BIORETENTION SYSTEMS INCLUDING ALL FEATURES.
 - INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE ELEMENTS AS REQUIRED. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2" INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BI-MONTHLY IF NO RAINFALL EVENT OCCURS.
- UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION AND CLEANING OF THE DRAINAGE SYSTEM AND ALL ASSOCIATED STRUCTURES.
- AFTER THE COMPLETION OF THE ENTIRE PROJECT TO THE SATISFACTION OF THE ENGINEER, ALL MAINTENANCE OF THE DRAINAGE SYSTEM SHALL THEN BE THE RESPONSIBILITY OF THE OWNER OR THEIR APPOINTED AGENTS.
- IN ACCORDANCE WITH THE LONG-TERM OPERATION AND MAINTENANCE PLAN (O&M PLAN) FOR THE PROJECT, THE DRAINAGE SYSTEM AND ALL BEST MANAGEMENT PRACTICES SHALL BE INSPECTED, CLEANED AND MAINTAINED (ROUTINE MAINTENANCE) A MINIMUM OF TWO (2) TIMES IN A GIVEN CALENDAR YEAR TO ENSURE THAT ALL SYSTEM ELEMENTS ARE FUNCTIONING PROPERLY.
- CLEANING AND ROUTINE MAINTENANCE OF SYSTEM ELEMENTS SHALL INCLUDE THE REMOVAL OF ALL ACCUMULATED SEDIMENTS AND DEBRIS (EITHER MANUALLY OR BY VACUUM TRUCK) AS WELL AS OTHER ACTIVITIES REQUIRED TO ENSURE THE CONTINUED OPERATIONAL PERFORMANCE. ANY BARE SPOTS OR ERODED AREAS WITHIN SWALES, AT INLETS/OUTLETS, OR OTHER LOCATIONS WITHIN THE SYSTEMS MUST BE REPLANTED AND/OR STABILIZED IMMEDIATELY FOLLOWING OBSERVATIONS TO PREVENT SUBSEQUENT EROSION OR CLOGGING. SHOULD THE INSPECTION OF THE SYSTEMS REVEAL ANY EVIDENCE OF SEDIMENT ACCUMULATION WITHIN ANY OF THE BIORETENTION SWALES, SEDIMENTS SHALL BE REMOVED AND THE SURFACE LAYER RESTORED TO ITS ORIGINAL DEPTH AND CONDITION.
- ALL SEDIMENT, DEBRIS, AND OTHER MATERIALS REMOVED IN THE MAINTENANCE OF THE STORMWATER SYSTEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL LANDSCAPED AND GRASSED AREAS SURROUNDING SHALL BE MOWED AT LEAST ONCE PER GROWING SEASON, WITH GRASSED AREAS FLANKING THE STORMWATER MANAGEMENT AREAS CUT TO A HEIGHT NO SHORTER THAN FOUR (4) INCHES. MOWING AND CUTTING IN THE AREA OF THE STORMWATER MANAGEMENT SYSTEMS SHALL BE PERFORMED IN A MANNER THAT DOES NOT COMPACT THE UNDERLYING STRUCTURE OR MEDIA (I.E., HAND-OPERATED, SMALL SCALE EQUIPMENT).
- THE OWNER SHALL BE RESPONSIBLE FOR ALL REPAIRS, REPLACEMENTS, AND OTHER WORK NECESSARY TO MAINTAIN THE PROPER FUNCTIONING OF THE INFILTRATION SYSTEMS. ANY REQUIRED REPAIR AND/OR REPLACEMENT OF DRAINAGE STRUCTURES OR FACILITIES SHALL BE PERFORMED PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE SYSTEM(S). IN THE EVENT OF A SIGNIFICANT DECREASE IN PERFORMANCE OF A SYSTEM (E.G., STANDING WATER / PROLONGED DRAWDOWN TIMES), THE PERTINENT SYSTEMS ELEMENTS SHALL BE REPAIRED OR REPLACED SO AS TO RE-ESTABLISH ORIGINAL DESIGN FUNCTIONALITY.
- ANY INCIDENT OF INADVERTENT OR DELIBERATE DISCHARGE OF WASTE OIL OR OTHER CONTAMINANT(S) TO THE SYSTEMS SHALL BE IMMEDIATELY REPORTED TO THE RIDEM OFFICE OF WATER RESOURCES AT 401-222-6820. THE RIDEM AFTER-HOURS EMERGENCY TELEPHONE NUMBER IS (401) 222-3070.



ROUND FRAME AND COVER LIGHT-DUTY
R.I. STANDARD 6.2.0
JUNE 15, 1998

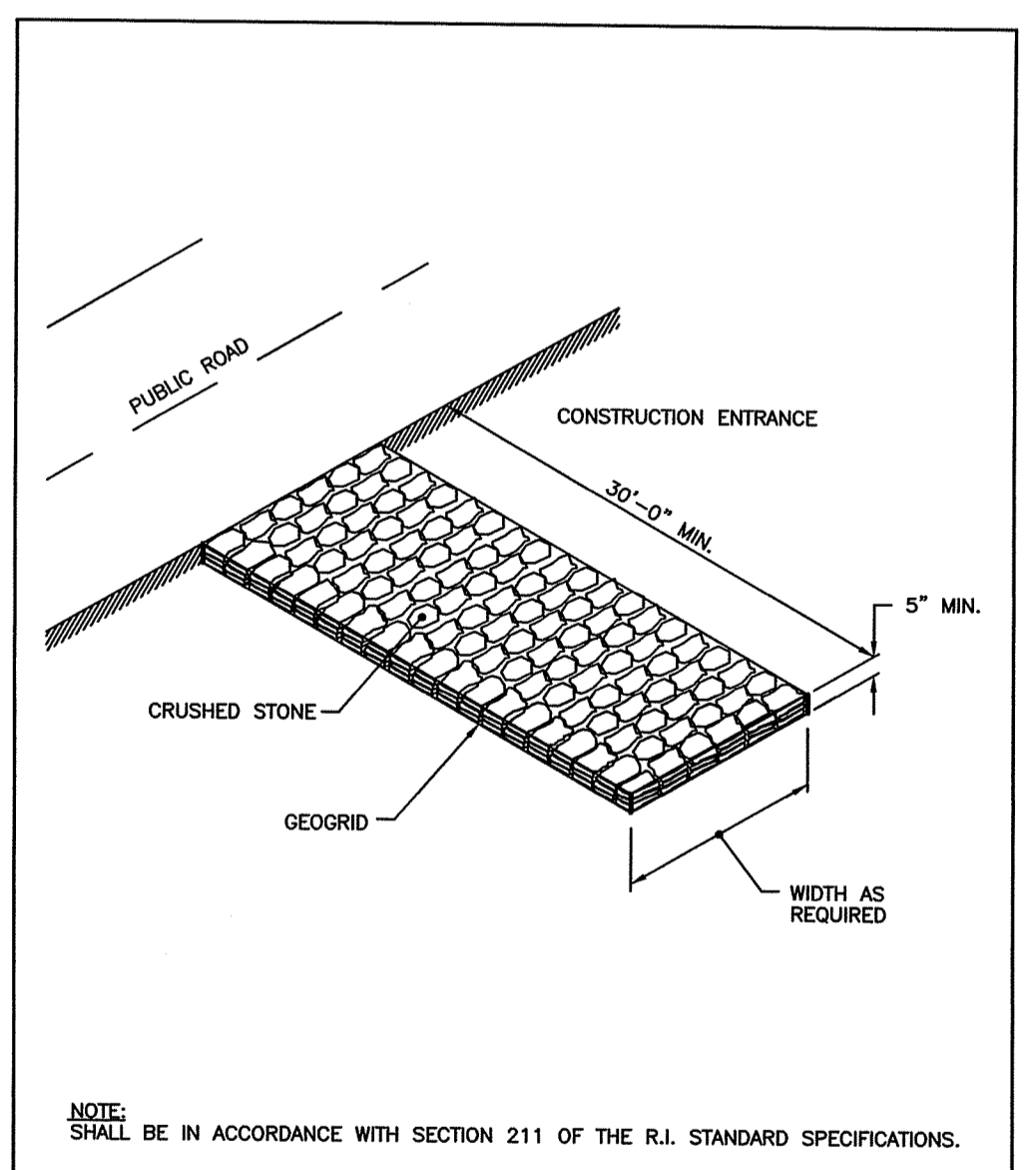


ROUND FRAME AND GRATE
R.I. STANDARD 6.4.0
JUNE 15, 1998



SHEA CONCRETE PRODUCTS
New England's Premier Precaster
800-686-7432 (SHEA)
www.sheaconcrete.com
BILLING ADDRESS: 87 HAVERTHILL RD, AMESBURY MA 01913

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 19-0367
DATED DEC 27 2019
SEE LETTER OF SAME DATE.
Nancy T. Frema



CONSTRUCTION ACCESS (MOD.)
R.I. STANDARD 9.9.0
JUNE 15, 1998

SYMBOL LEGEND

ELEV. - - - - -	EXISTING CONTOUR LINE
x ELEV.	EXISTING SPOT GRADE
— 000 —	PROPOSED DRAINAGE
x 00.00	PROPOSED CONTOUR
— 000 —	PROPOSED SPOT GRADE
— 000 —	COMPOST FILTER SOCK
— 000 —	SWALE

PROPOSED DEVELOPMENT
45 PHEASANT DRIVE
EAST GREENWICH, RHODE ISLAND

MALM CONSTRUCTION
CLIENT

Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

NOTES, LEGEND & DETAILS

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1704
DATE: OCTOBER 2019
SCALE: AS SHOWN
DRAWN BY: BDN
CHECKED BY: TAR
DRAWING NUMBER: 2
SHEET 2 OF 3

PERMIT SUBMITTAL

