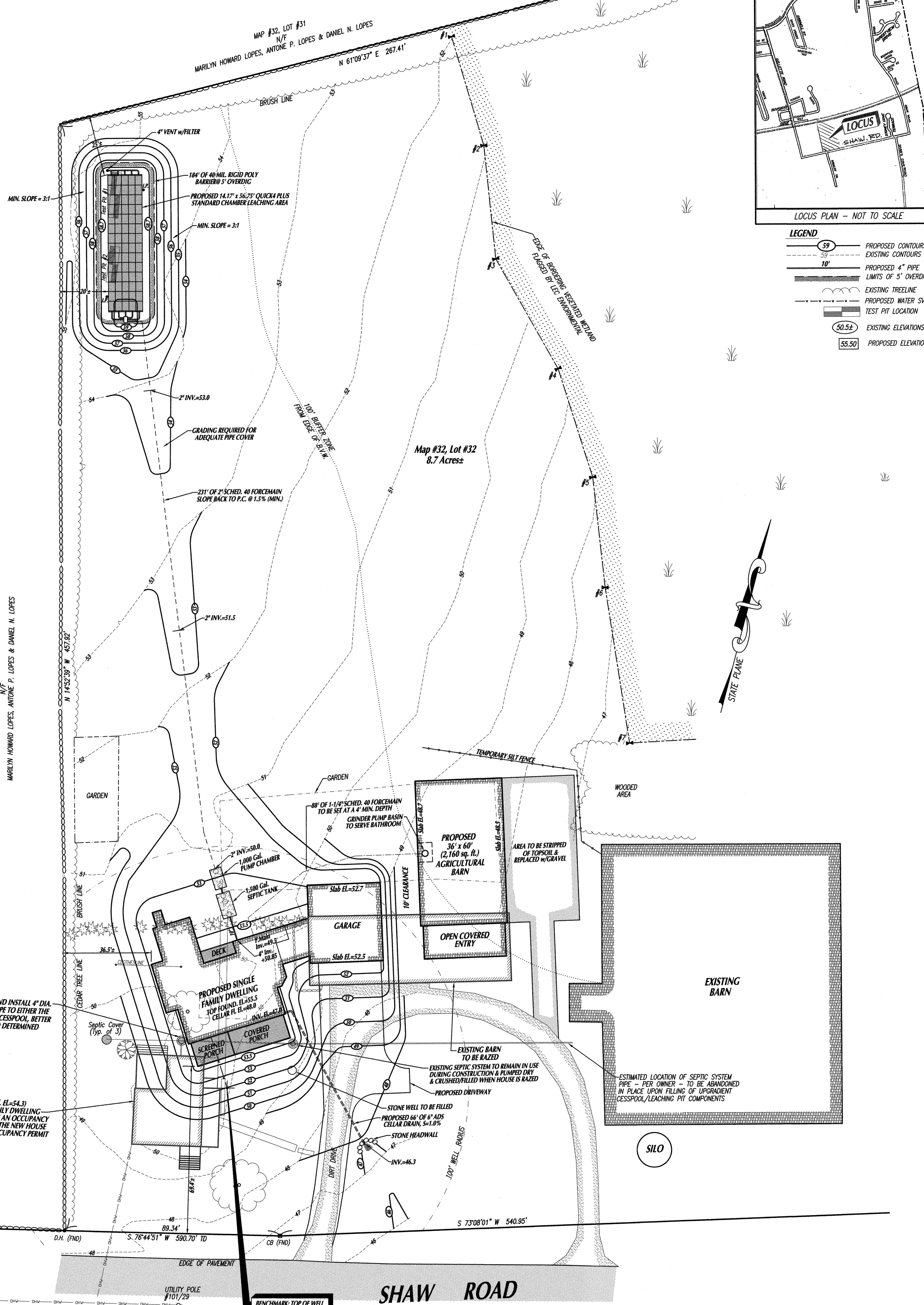


LEGEND

	PROPOSED CONTOURS
	EXISTING CONTOURS
	PROPOSED 4" PIPE LIMITS OF 5' OVERDIG
	EXISTING TREELINE
	PROPOSED WATER SVC.
	TEST PIT LOCATION
	EXISTING ELEVATIONS
	PROPOSED ELEVATIONS



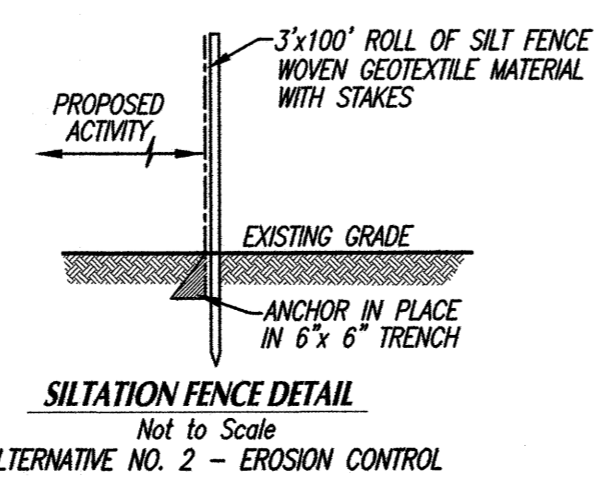
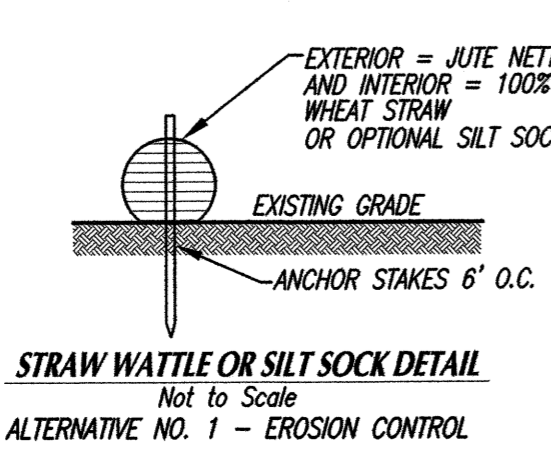
MAP #32, LOT #31
N/F
MARILYN HOWARD LOPES, ANTONIO P. LOPES & DANIEL N. LOPES



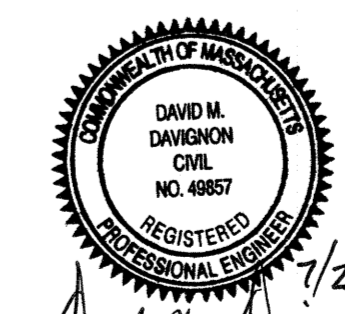
REMOVED CESSPOOL AND INSTALL 4" DIA. TEMPORARY BY-PASS PIPE TO EITHER THE WESTERLY OR EASTERLY CESSPOOL, BETTER OPTION TO BE FIELD DETERMINED

(Existing T.O.F. EL.=53.1, 1st FL. EL.=54.3)
EXISTING 4-BEDROOM SINGLE FAMILY DWELLING TO BE UTILIZED UNTIL SUCH TIME AS AN OCCUPANCY PERMIT IS READY TO BE ISSUED FOR THE NEW HOUSE TO BE RAZED IMMEDIATELY AFTER OCCUPANCY PERMIT

- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED, ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS SHALL CONFORM TO 310 CMR 15.00, TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL REGULATIONS.
 - ANY AND ALL CHANGES TO THIS DESIGN PLAN MUST BE APPROVED BY THE DESIGN ENGINEER AND BOARD OF HEALTH.
 - DESIGN ENGINEER AND LOCAL BOARD OF HEALTH ARE TO BE NOTIFIED PRIOR TO BACKFILLING WHEN THE SYSTEM IS NEARLY COMPLETE AND READY FOR INSPECTION. THE SYSTEM IS NOT TO BE BACKFILLED WITHOUT FIRST OBTAINING APPROVAL FROM THE BOARD OF HEALTH AND DESIGN ENGINEER.
 - CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION THROUGH DIG SAFE AND OTHER APPROPRIATE AGENCIES, AND REPORT ANY DISCREPANCIES TO DESIGN ENGINEER.
 - CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF ANY AND ALL DISCREPANCIES FOUND BETWEEN THE SITE CONDITIONS AND THOSE SHOWN ON DESIGN PLAN PRIOR TO THE CONTINUATION OF WORK.



- TITLE 5 VARIANCES:**
- 310 CMR 15.104, PERCOLATION TESTING; DESIGN BASED UPON SIEVE ANALYSIS VS. AN ACTUAL PERCOLATION TEST
 - 310 CMR 15.212, DEPTH TO GROUNDWATER; LEACHING AREA SEPARATION FROM MAXIMUM HIGH GROUND WATER; REQUESTING A 3 FT. SEPARATION VS. THE 4 FT. MIN. REQUIREMENT



7/24/2020
A. D. M. Daignon

SITE INFORMATION:
SITE ADDRESS: 148 SHAW ROAD
ASSESSORS MAP # 32
ASSESSORS LOT # 32
ZONING DISTRICT: AGRICULTURAL
BUILDING SETBACKS:
FRONT: 50' SIDE: 30'
REAR: 50'
FEMA FLOOD ZONE: X, ELEV. N/A
F.I.R.M. PANEL NO.: 25005C0413F
OWNERS OF RECORD:
THOMAS A. CARVALHO & LISA M. CARVALHO
148 SHAW ROAD
FAIRHAVEN, MA 02719
SEE DEED BOOK 12930, PAGE 1

1	Rev. #	DATE	BY	DESCRIPTION
1				

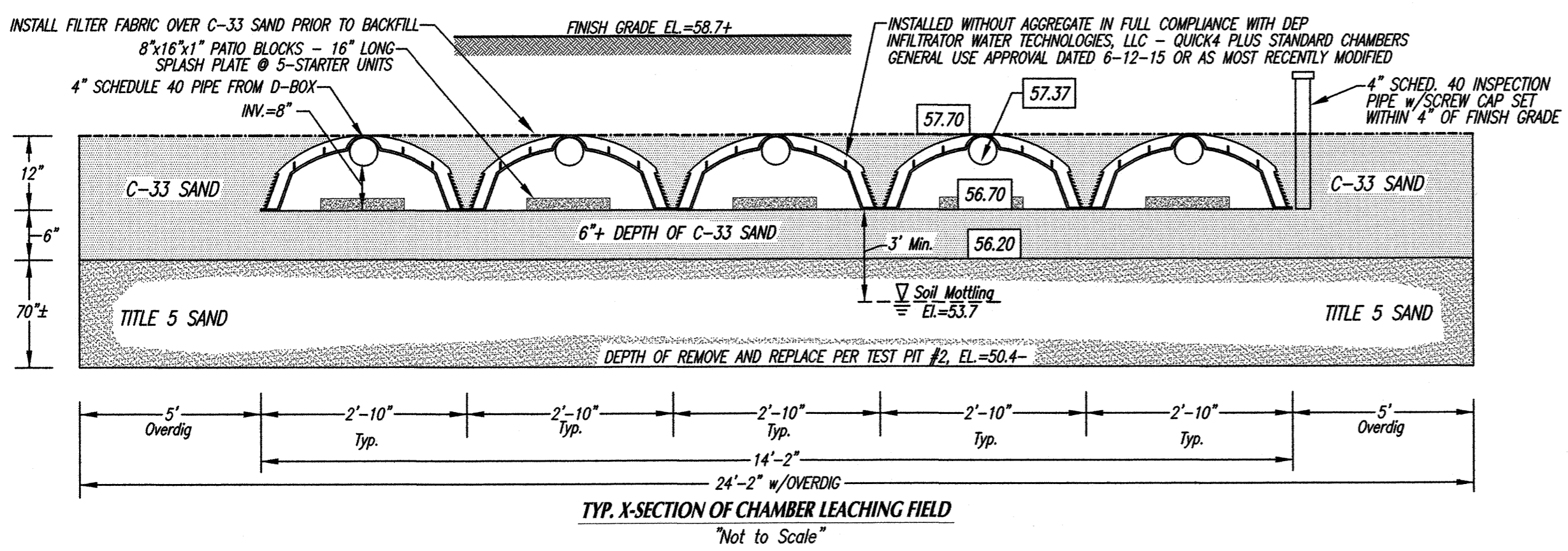
SEWAGE DISPOSAL SYSTEM REPAIR - SITE PLAN
FOR PROPERTY LOCATED AT
148 SHAW ROAD
IN FAIRHAVEN, MA.
PREPARED FOR
LISA M. CARVALHO

SHEET 1 OF 2 SHEETS

SCALE: 1"=20' DATE: JULY 24, 2020

SCHNEIDER, DAIGNON & LEONE, INC.
PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
1 COUNTY RD., P.O. BOX 480, MATTAPOISETT, MA 02739
1-508-758-7866

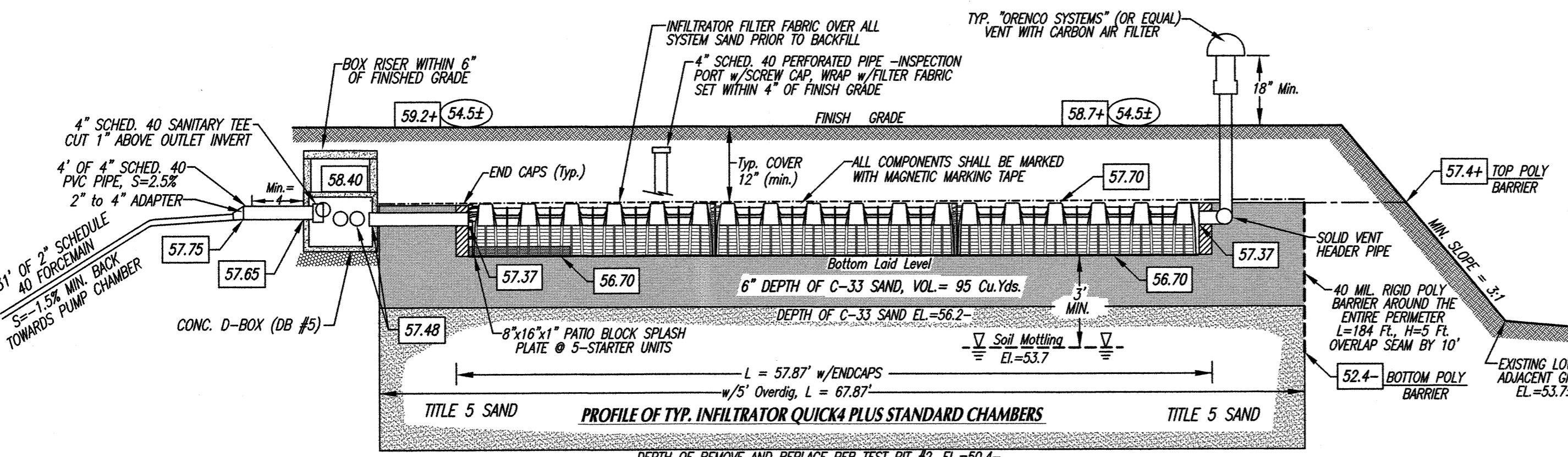
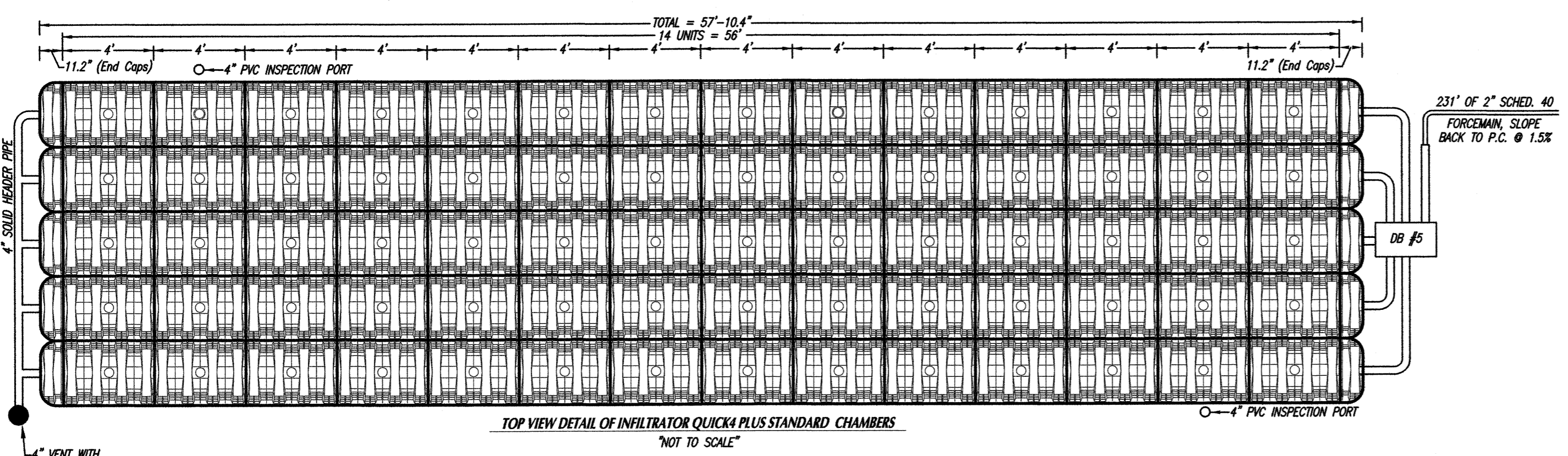
Drawn By: D.M.D. Check By: N.D.S. Job No. 2987



TEST PIT DATA
DATE OF SOIL EVALUATIONS: FEBRUARY 23, 2018
SOIL EVALUATOR: JAY MCKENNA, C.S.E.
ENGINEERING FIRM: SCHNEIDER, DAVIGNON & LEONE, INC.
INSPECTOR: MARY FREIRE-KELLOGG, HEALTH AGENT

Depth	TEST PIT #1	Elevation	TEST PIT #2
0"	HORIZON A F. SANDY LOAM 10 YR 3/2 Very Friable, Massive 5% Gravel	54.5	HORIZON A F. SANDY LOAM 10 YR 3/2 Very Friable, Massive 5% Gravel
9"	Soil Mottling	53.7	Soil Mottling
12"	HORIZON B F. SANDY LOAM 10 YR 5/3 Very Friable, Massive 5% Gravel	53.5	HORIZON B F. SANDY LOAM 10 YR 4/3 Very Friable, Massive 5% Gravel
13"	Soil Mottling	53.4	Soil Mottling
20"	HORIZON C1 M-F LOAMY SANDY SANDY LOAM 2.5 Y 5/4 Friable-Firm, Massive 10%-15% Gravel	52.8	HORIZON C1 M-F LOAMY SANDY SANDY LOAM 2.5 Y 5/4 Friable-Firm, Massive 10%-15% Gravel
40"	Soil Sample 61.3% Sand 35.3% Silt 3.4% Clay	51.2	Soil Sample 61.3% Sand 35.3% Silt 3.4% Clay
96"	HORIZON C2 M. LOAMY SAND 2.5 Y 6/2 Friable, Massive 10% Gravel	46.5	HORIZON C2 M. LOAMY SAND 2.5 Y 6/2 Friable, Massive 10% Gravel
108"		45.4	

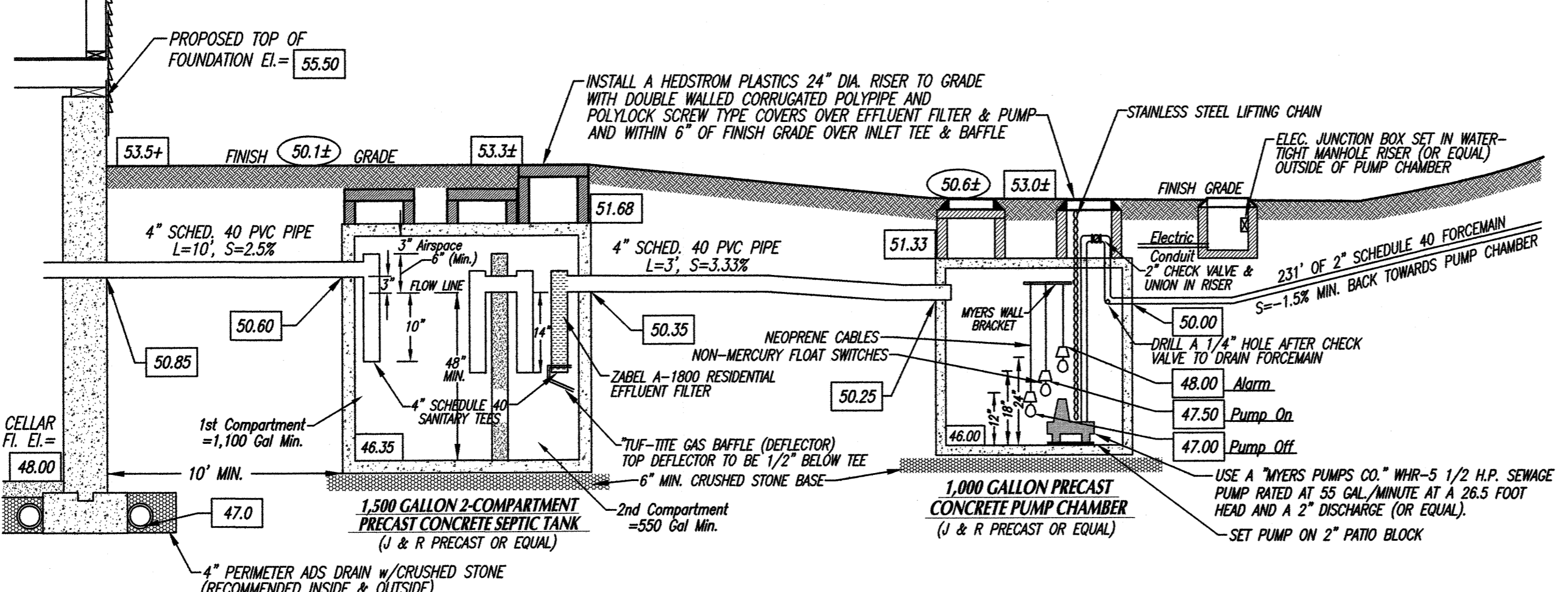
DEPTH TO TOP PERC TEST: N/A
PERC RATE: N/A - TOO WET
SOIL TEXTURAL CLASS: CLASS 2
DEPTH TO SOIL MOTTLING: 10"
DEPTH TO WEEDING: 13"



"REMOVE AND REPLACE" NOTE:
WHERE REQUIRED, CONTRACTOR IS TO REMOVE ALL LOAM SUBSOIL AND OTHER UNSUITABLE MATERIAL IN THE AREA BEHIND AND FOR 5 FT. ON ALL SIDES OF THE LEACHING FACILITY. EXCAVATED MATERIAL IS TO BE REPLACED WITH CLEAN COARSE SAND FREE FROM CLAY, FINES, OR OTHER UNSUITABLE MATERIAL. IN ACCORDANCE WITH 310CMR 15.225(3) CONTRACTOR SHALL PROVIDE A SIEVE ANALYSIS OF FILL MATERIAL. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN TWO INCHES. A SIEVE ANALYSIS USING A #4 SIEVE SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE UP TO 45% BY WEIGHT OF THE SAMPLE MAY BE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL BE PERFORMED ON A FRACTION OF SAMPLE PASSING THE #4 SIEVE, SUCH ANALYSIS MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS AS LISTED TO THE RIGHT:

SIEVE SIZE	% THAT MUST PASS SIEVE
#4	100%
#50	10%-100%
#100	0%-20%
#200	0%-5%

BOTTOM OF EXCAVATION SHALL BE LEVEL AT ELEVATION 52.5 INTO HORIZON C2, MEDIUM LOAMY SAND STRATA @ A 48" DEPTH PER TEST PIT #2 (ELEVATION TO BE VERIFIED BY ENGINEER IN FIELD PRIOR TO INSTALLATION)
TOP OF FILL PER NOTE TO EXTEND TO EL. = 57.70 TOP OF CHAMBERS
APPROX. VOLUME OF TITLE 5 SAND REQUIRED = 440 Cu Yds. (20% Compaction Allowance)
APPROX. VOLUME OF C-33 SYSTEM SAND REQUIRED = 95 Cu Yds. (20% Compaction Allowance)



PUMP CALCULATIONS:
PROPOSED DESIGN DOSING CYCLE 130 GAL - 40 GAL OF BACKFLOW = 90 GAL/CYCLE
VERTICAL HEAD LOSS: EL. 57.75 (4" Prior to D-Box Inv. In) - EL. 46.05 (Pump Intake El.) = 11.7 FT.
FRICTION HEAD LOSS: 7 FT. OF 2" PVC PIPE (Inside Tank) x 5.65 FT/100 FT. (AT 55 GAL/MIN.) x 110% = 0.4 FT.
TOTAL HEAD LOSS = 11.7 FT. + 0.4 FT. + 14.4 FT. = 26.5 FT. OF 55 GALLONS PER MINUTE
PUMP RUN TIME = 130 GALLON CYCLE DIVIDED BY 55 GAL/MIN. = 2.36 MINUTES
DEPTH OF DOSING CYCLE: 90 GAL/7.48 GAL/Cu Ft./804 Sq Ft. = 0.015 FT. = 0.18 INCHES
PUMP DRAW DOWN = 130 Gal./Cycle Divided By 259 Gal./Ft. = 0.50 FT. = 6 INCHES
INSTALL A "MYERS PUMP CO." MODEL NO. WHR-5 1/2 H.P. SEWAGE PUMP RATED AT 55 G.P.M. AT 26.5 FT. OF HEAD
INSTALL THREE NON-MERCURY FLOAT SWITCHES, ON, OFF AND ALARM, ALARM ACTIVATION WILL INDICATE PUMP FAILURE AND AVAILABLE STORAGE LEFT IN CHAMBER = 518 GALLONS BEFORE PUMPOUT IS REQUIRED
ELECTRICIAN SHALL INSTALL A SIMPLEX CONTROL AND ALARM PANEL TO BE LOCATED INSIDE THE BUILDING.

PUMP AND FLOAT NOTES:
1) MYERS (FLOAT) WALL BRACKET SHOWN REQUIRES THE FLOATS TO HAVE WEIGHTS.
2) A SINGLE ON-OFF PUMP FLOAT SWITCH TIED TO DISCHARGE PIPE IS OPTIONAL.
3) PUMP AND ALARM SHALL BE WIRED ON SEPARATE CIRCUITS.
4) PUMP SHALL BE PARTIALLY SUBMERGED AT ALL TIMES.
PUMP CHAMBER NOTES:
1) THE PUMP CHAMBER SEAMS SHALL BE SEALED WATER TIGHT WITH TYP. EXTERIOR FOUNDATION SEALER.
2) 1,000 GAL. PUMP CHAMBER SHOWN INSIDE DIMENSIONS IS 4'-4" WIDE x 8'-0" LONG x 4'-4" (TO INVERT)
3) CONTRACTOR SHALL CONSULT ENGINEER PRIOR TO INSTALLATION OF AN ALTERNATIVE PUMP CHAMBER.

SEPTIC SYSTEM NOTES:
1. SEPTIC SYSTEM COMPONENTS SHALL BE H-20 PRODUCTS IF LOCATED UNDER DRIVEWAY, PARKING OR OTHER AREAS SUBJECT TO VEHICULAR TRAFFIC. ALL OTHER SYSTEM COMPONENTS SHALL BE H-10 PRODUCTS.
2. GROUT OR CAST IN PLACE RUBBER BOOT IS TO BE USED WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATERTIGHT SEAL.
3. USE ALL SCHEDULE 80 PIPE UNDER DRIVEWAY AND SCHEDULE 40 OTHERWISE.
4. THE MINIMUM SLOPE PER TITLE 5 FOR ALL 4" SOLID PIPE = 1.0%
5. THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT, WATER SOFTENER OR OTHER HIGH WATER USAGES.
11. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE.

SEWAGE DISPOSAL SYSTEM DESIGN DATA
FLOW REQUIREMENTS:
EXISTING 4 BEDROOM SINGLE FAMILY DWELLING
PROPOSED DESIGN NO. OF BEDROOMS: EQU (4)
DAILY DESIGN FLOW PER TITLE 5: 110 GALLONS/BEDROOM/DAY
TOTAL DESIGN FLOW: 110 GAL/BDRM x 4 BEDROOMS = 440 GAL/DAY
SEPTIC TANK SIZE:
TITLE 5: 440 GAL x 200% = 880 GALLONS
INSTALL A 1,500 GAL. 2-COMPARTMENT PRECAST CONCRETE SEPTIC TANK
TYPICAL CHAMBER LEACHING FIELD:
DESIGN SOIL TEXTURAL CLASS: CLASS 2 (PER SIEVE ANALYSIS)
DESIGN PERCOLATION RATE: 1 INCH IN 30 MINUTES
LONG TERM ACCEPTANCE RATE: 0.33
REQUIRED LEACHING AREA: 440 GAL/DAY Divided By LTR: 0.33 = 1,333 Sq Ft.
LEACHING AREA PROVIDED: 4.73 Sq Ft./Linear Ft. OF INFILTRATOR QUICK4 PLUS STANDARD CHAMBERS (5 ROWS x 14 UNITS/ROW) = 70 UNITS x 4 FT./UNIT + (10 END CAPS x 0.933 FT./END CAP) = 289 LINEAR FT. OF QUICK4 PLUS STANDARD CHAMBERS x 4.73 Sq Ft./LINEAR FT. = 1,367 Sq Ft.
1,367 Sq Ft. x 0.33 GAL/Sq Ft. = 451 GAL LEACHING/DAY
TOTALS
TOTAL NUMBER OF DISTRIBUTION LINES = FIVE (5)
TOTAL NO. OF INFILTRATOR QUICK4 PLUS STANDARD CHAMBERS (INV.-8") = 70
TOTAL LEACHING AREA = 1,367 > 1,333 Sq Ft.
TOTAL LEACHING CAPACITY = 451 GAL/DAY >> 440 GAL/DAY



Rev. #	DATE	BY	DESCRIPTION
1			

SEWAGE DISPOSAL SYSTEM REPAIR - SITE PLAN
FOR PROPERTY LOCATED AT
148 SHAW ROAD
IN FAIRHAVEN, MA.
PREPARED FOR
LISA M. CARVALHO

SHEET 2 OF 2 SHEETS

SCALE: 1"=20' DATE: JULY 24, 2020
0 10 20 40 60

SCHNEIDER, DAVIGNON & LEONE, INC.
PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739
1-508-758-7866

Drawn By: D.M.D. Check By: N.D.S. Job No. 2987

ZONING SUMMARY CHART
GENERAL RESIDENCE DISTRICT - RB

ITEM	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA - 15,000 S.F. ¹	22,500 S.F.	6,400± S.F.	6,400± S.F.
MINIMUM LOT FRONTAGE	100'	100.42'	100.42'
CONTIGUOUS UPLAND	13,500 S.F.	6,244 S.F.	6,244 S.F.
MINIMUM FRONT SETBACK ^{1,6}	20'	0.4'	15.75'
MINIMUM SIDE SETBACK	10'	0.3'	11.0'
MINIMUM REAR SETBACK ⁷	30'	5.0'	25.75'
MAXIMUM BUILDING HEIGHT	35'	15±	34.9'
MAXIMUM LOT COVERAGE ¹⁰	50%	53.0%	44.8%
MAXIMUM BUILDING COVERAGE ⁹	30%	49.1%	27.1%

FOOTNOTES:

- INCREASE FIFTY PERCENT (50%) FOR PERMITTED SEMIDETACHED AND TWO FAMILY DWELLINGS.
- NO NEW BUILDING NEED PROVIDE YARDS GREATER THAN THE AVERAGE OF THOSE EXISTING OR ABUTTING LOTS ON THE SAME STREET. FRONT DECK AND/OR PORCH SETBACKS MAY CONFORM TO THE AVERAGE SETBACKS OF THOSE EXISTING ON THE SAME STREET, CORNER OR THROUGH LOTS SHALL OBSERVE FRONT YARD REQUIREMENTS FROM BOTH STREETS.
- A NONCOVERED PORCH, DECK OR LANDING NOT EXCEEDING 72 SF, NOT EXTENDING MORE THAN 6'-FT INTO A REQUIRED FRONT YARD, AND ATTACHED TO A PRINCIPAL BUILDING, SHALL BE EXEMPT FROM THIS REQUIREMENT. THIS EXEMPTION APPLIES ONLY TO ZONING DISTRICTS RR, RA AND AG.
- A NONCOVERED PORCH, DECK OR LANDING NOT EXCEEDING 450 SF, NOR EXTENDING MORE THAN 15'-FT INTO A REQUIRED REAR YARD, AND ATTACHED TO A PRINCIPAL BUILDING, SHALL BE EXEMPT FROM THIS REQUIREMENT. THIS EXEMPTION ONLY APPLIES TO ZONING DISTRICTS RR, RA AND AG.
- MAXIMUM BUILDING COVERAGE - SEE DEFINITIONS SECTION 198-33.
- MAXIMUM LOT COVERAGE - SEE DEFINITIONS SECTION 198-33.

NOTE:

- THE LOCUS RECEIVED A VARIANCE FROM THE TOWN OF FAIRHAVEN BOARD OF APPEALS ON JUNE 7, 2005 RECORDED IN THE BRISTOL COUNTY SOUTH REGISTRY OF DEEDS IN BOOK 7670 PAGE 279. THE VARIANCE GRANTED (5-0) A REDUCTION OF THE REQUIRED LOT AREA TO THE EXISTING AREA, REDUCED FRONT SETBACK TO 15'-FT AND THE REAR SETBACK TO 25'-FT.

LEGEND

PROPERTY LINE	---
BUILDING	▭
BUILDING ARCHITECTURE	▭
CURB	—
RETAINING WALL	—
SIDEWALK	▭
PAVER PATIO	▭
SAW-CUT LINE	—
DECORATIVE FENCE	○ ○
FLOODPLAIN	—
WETLAND BUFFER 100'	—
EROSION CONTROL	—
10' CONTOUR	—
2' CONTOUR	—
SPOT GRADE	×7.50
SEWER CLEANOUT	⊙
SEWER LINE	—
WATER LINE	—
WATER VALVE	⊙
GAS LINE	—
GAS VALVE	⊙
OVER HEAD WIRE	—

GENERAL NOTES:

- AN EXISTING CONDITIONS SURVEY WAS CONDUCTED BY ALLEN & MAJOR ASSOCIATES, INC. IN MAY 2020.
- THIS PROJECT WILL BE SERVED BY MUNICIPAL WATER AND SEWER, NATURAL GAS, TELEPHONE, CABLE AND ELECTRIC.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AND DISCONNECTION AT EXISTING UTILITY. BEFORE UTILITY WORK BEGINS, THE CONTRACTOR WILL COORDINATE WITH THE LOCAL MUNICIPALITY & UTILITY COMPANIES FOR THE APPROPRIATE PERMIT AND INSPECTION FEES.
- ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTIES DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AND RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- ALL PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AND RESTORED BY A SURVEYOR REGISTERED IN THE STATE OF MASSACHUSETTS AT THE CONTRACTOR'S EXPENSE.
- APPROPRIATE WARNING SIGNS, MARKERS, BARRICADES AND/OR FLAG MEN SHALL BE PROVIDED TO REGULATE TRAFFIC. CONSTRUCTION TRAFFIC CONTROLS SHALL BE IMPLEMENTED AND OPERATED ACCORDING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE LOCAL AUTHORITY.
- DISPOSAL OF ALL DEMOLISHED MATERIALS INCLUDING EXISTING MISC. CONSTRUCTION DEBRIS IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL MUNICIPAL REQUIREMENTS AT NO ADDITIONAL COST.
- EXISTING UTILITIES & STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE PROTECTED, ABANDONED, REMOVED OR RELOCATED AS NECESSARY.
- EXISTING PAVEMENT SHALL BE SAW-CUT AND PAVEMENT JOINT SHALL BE INSTALLED WHERE NECESSARY TO ENSURE A SMOOTH CONTINUOUS GRADE.
- ALL GRADING OPERATIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES.
- IN LANDSCAPED AREAS THE TOP ELEVATION OF MANHOLES SHALL MATCH THE FINISH GRADE OF THE TOPSOIL. IN PAVED AREAS THE TOP ELEVATIONS OF MANHOLES SHALL MATCH FINISH GRADE.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED AS SOON AS POSSIBLE UPON COMPLETION OF CONSTRUCTION WORK IN THE AREA.
- ALL DISTURBED AREAS NOT NOTED TO RECEIVE OTHER TREATMENT ARE TO RECEIVE SIX INCHES (6") MINIMUM OF TOPSOIL & SEED, AND BE MAINTAINED UNTIL ESTABLISHED & ACCEPTED.
- IF ANY EXISTING UTILITY STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER AT NO ADDITIONAL COST.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER, SEWER, GAS AND ELECTRICAL AND TELECOMMUNICATIONS LINES.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- ACCORDING TO THE SOIL MANAGEMENT PLAN PREPARED BY SITEC, INC., DATED JUNE 6, 2018 THE SUBJECT PROPERTY CONTAINS HISTORIC FILL MATERIAL WHICH CONTAINS WOOD ASH AND COAL ASH, THEREFORE ALL EXCAVATIONS SHALL FOLLOW THE PROCEDURES OUTLINED IN THE SOIL MANAGEMENT PLAN.



Paul G. Matos
Professional Engineer
07-31-20
ALLEN & MAJOR ASSOCIATES, INC.

APPLICANT/OWNER:

108 SYCAMORE STREET REALTY TRUST
12 VENTURA DRIVE
DARTMOUTH, MA 02747

PROJECT:

PROPOSED 2-FAMILY DWELLING
108 SYCAMORE STREET
FAIRHAVEN, MA

PROJECT NO. 2759-01 DATE: 07-31-2020

SCALE: 1" = 10' DWG. NAME: C2759-01_

DESIGNED BY: CHECKED BY: PLC

PREPARED BY:

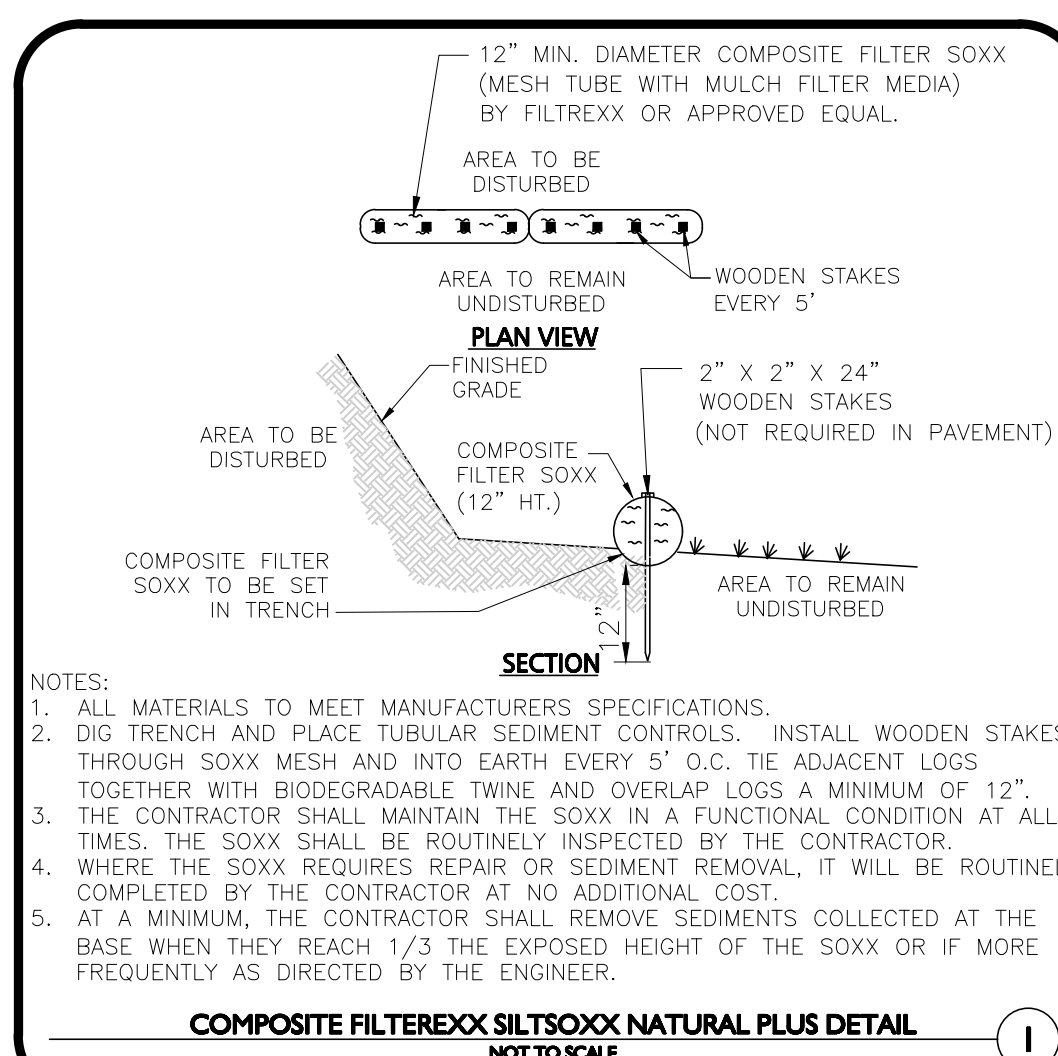
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environmental consulting • landscape architecture
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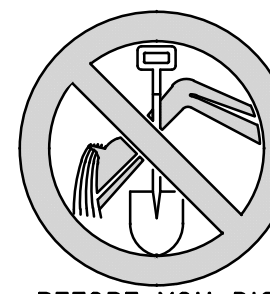
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PLAN TO ACCOMPANY NOTICE OF INTENT C-101

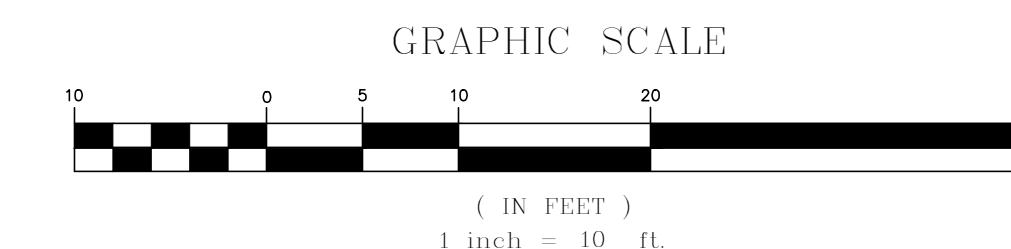
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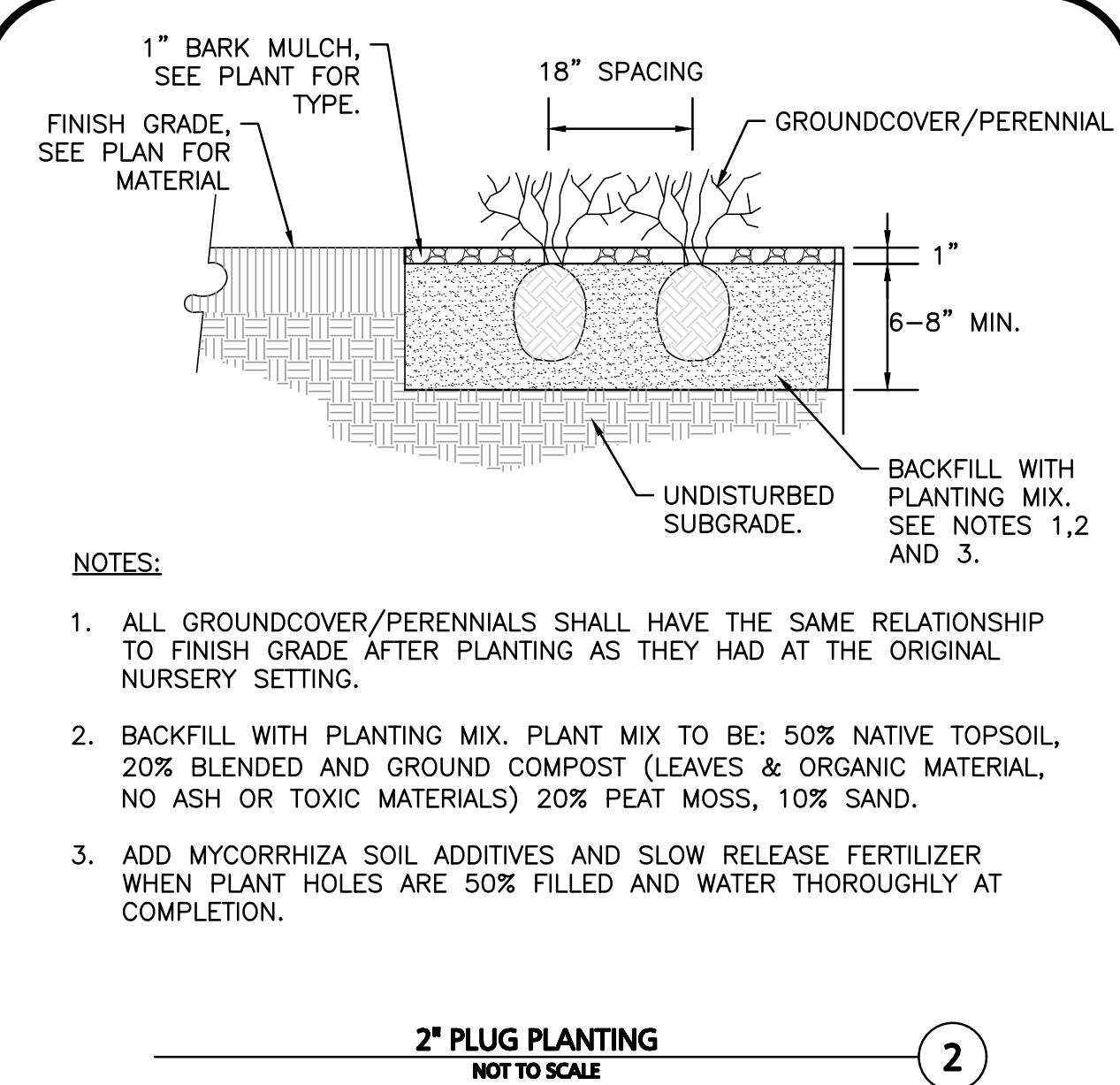
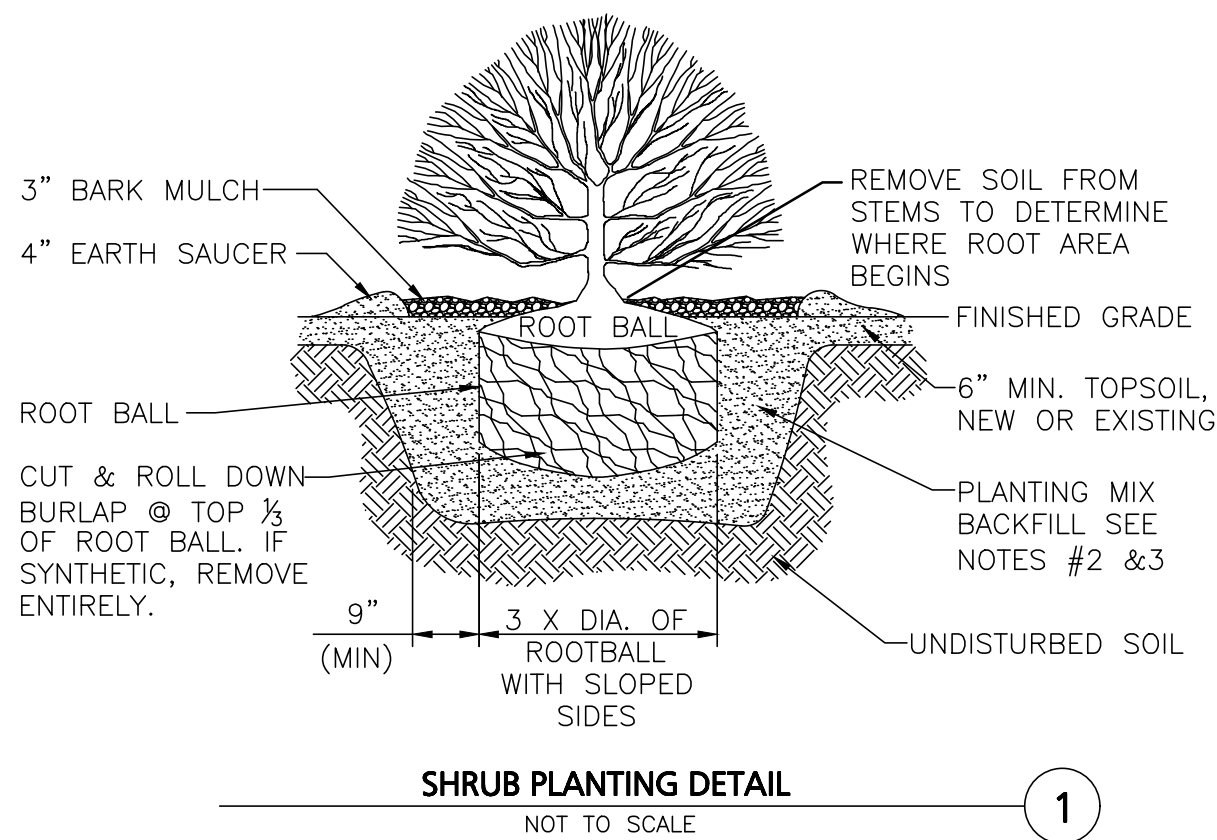
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 2. ALL LANDSCAPED AREAS WITH SHRUBS, TREES, AND PERENNIALS TO HAVE 18" MINIMUM DEPTH OF TOPSOIL. EIGHTEEN INCHES OF TOPSOIL AROUND TREES AND SHRUBS DOES NOT INCLUDE AMENDED PLANTING SOIL WITHIN TREE / SHRUB PIT FOR FULL DEPTH OF ROOTBALLS. SEE PLANTING DETAILS FOR PLANTING DEPTH AT SHRUBS AND TREES. ALL AREAS OF LOAM AND SEED OR LOAM & SOD TO HAVE 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL TO BE TESTED BY CONTRACTOR, AND APPROVED BY A&M PRIOR TO PURCHASE AND OR PLACEMENT. GENERAL CONTRACTOR, DEMOLITION CONTRACTOR, AND LANDSCAPE CONTRACTOR TO COORDINATE PROPER DEPTH OF EXISTING MATERIAL REMOVAL ACROSS SITE SO THAT 18" MINIMUM AND 6" MINIMUM DEPTHS OF PROPOSED TOPSOIL NOTED ABOVE ARE MET AT NO ADDITIONAL COST TO OWNER. SEE TOPSOIL DETAIL.

PLANTING SCHEDULE						
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
SALTMARSH EROSION CONTROL PLANTS						
AB	70	AMMOPHILA BREVLIGULATA	AMERICAN BEACH GRASS	2" PLUG	18"	STAGGERED
MP	9	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	2-2.5'	AS SHOWN	B&B
SS	50	SOLIDAGO SEMPERVIRONS	SEASIDE GOLDENROD	2" PLUG	18"	STAGGERED
PM	3	PRUNUS MARITIMA	BEACH PLUM	#5	AS SHOWN	CONTAINER

* BEACH GRASS AND GOLDENROD PLUGS FROM NE WETLAND PLANTS OR EQUAL. WWW.NEWP.COM

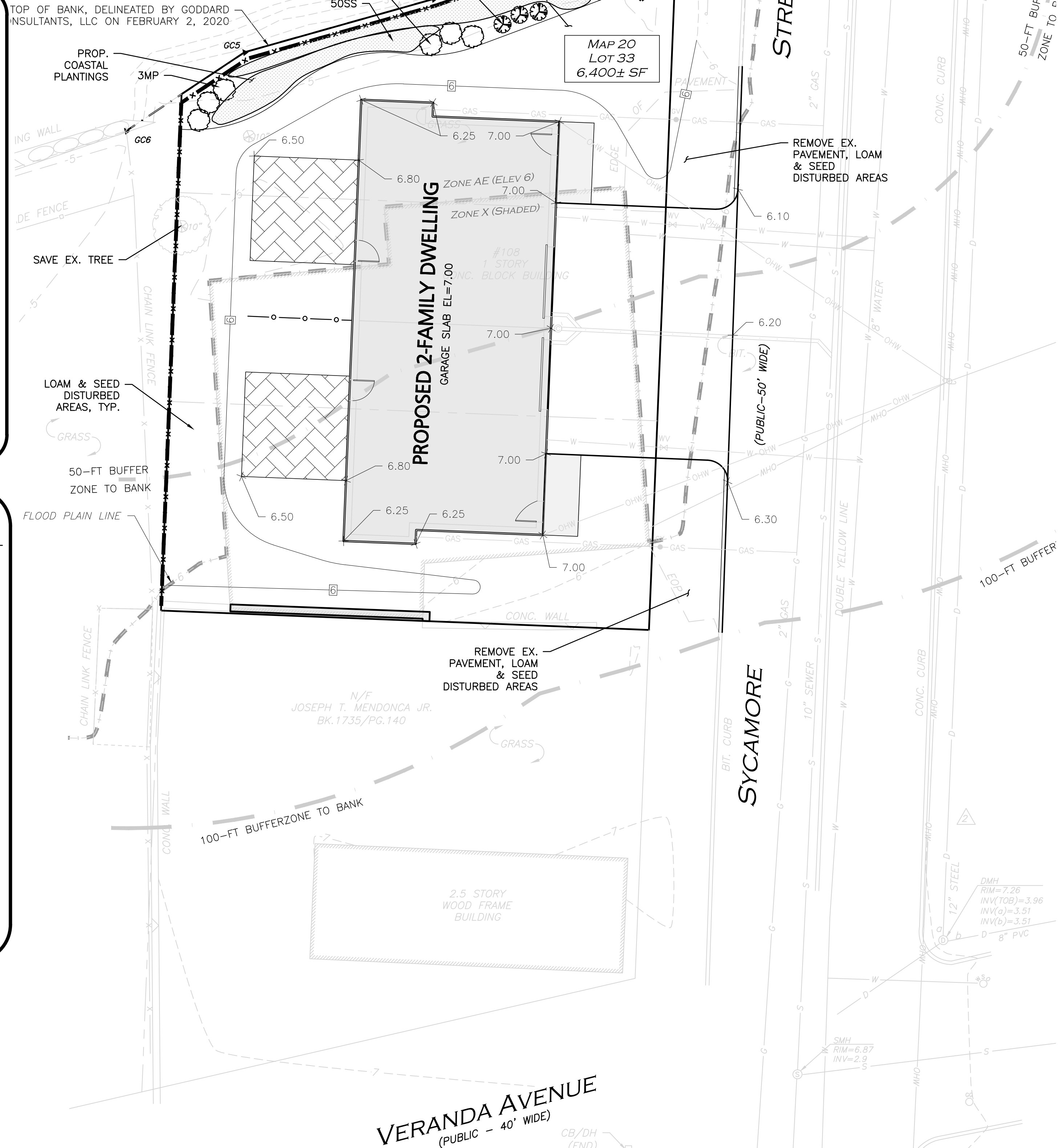
- NOTES:**
1. ALL SHRUBS SHALL HAVE THE SAME RELATIONSHIP TO FINISH GRADE AFTER PLANTING AS THEY HAD AT THE ORIGINAL NURSERY SETTING. SET SHRUB 1"-2" ABOVE FINISH GRADE.
 2. BACKFILL WITH PLANTING MIX. PLANT MIX TO BE: 50% NATIVE TOPSOIL, 20% COMPOST (LEAVES & ORGANIC MATERIAL, NO ASH) 20% PEAT MOSS, 10% SAND.
 3. ADD MYCORRHIZA SOIL ADDITIVES AND SLOW RELEASE FERTILIZER WHEN PLANT HOLES ARE 50% FILLED AND WATER THOROUGHLY AT COMPLETION.
 4. SHRUB BEDS TO HAVE 24" MIN. OF CONTINUOUS PLANTING SOIL.



- NOTES:**
1. ALL GROUND COVER/PERENNIALS SHALL HAVE THE SAME RELATIONSHIP TO FINISH GRADE AFTER PLANTING AS THEY HAD AT THE ORIGINAL NURSERY SETTING.
 2. BACKFILL WITH PLANTING MIX. PLANT MIX TO BE: 50% NATIVE TOPSOIL, 20% BLENDED AND GROUND COMPOST (LEAVES & ORGANIC MATERIAL, NO ASH OR TOXIC MATERIALS) 20% PEAT MOSS, 10% SAND.
 3. ADD MYCORRHIZA SOIL ADDITIVES AND SLOW RELEASE FERTILIZER WHEN PLANT HOLES ARE 50% FILLED AND WATER THOROUGHLY AT COMPLETION.

DIG SAFE

BEFORE YOU DIG
CALL 811 OR
1-888-DIG-SAFE
1-888-344-7233



LANDSCAPE NOTES

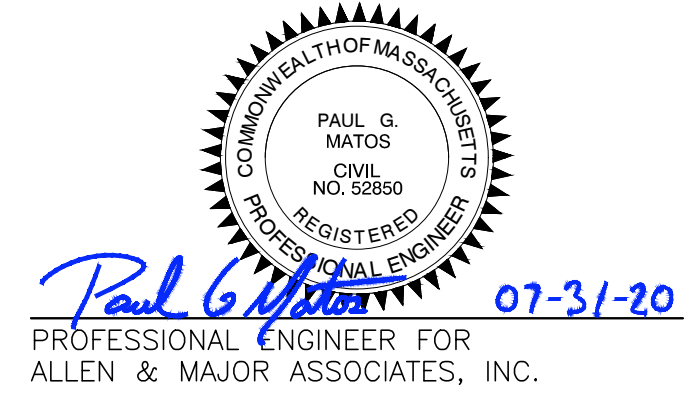
- ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF FAIRHAVEN, MA.
1. PLANTING PLAN IS DIAGRAMMATIC IN NATURE. FINAL PLACEMENT OF PLANTS TO BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES, ANY PERMITTING AGENCIES, AND "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS IN ADVANCE OF ANY WORK THAT WILL REQUIRE EXCAVATION. CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE OF ANY CONFLICTS IN WRITING.
 3. NO PLANT MATERIAL SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA, ANY TREES NOTED AS "SEAL OR SELECTED SPECIMEN" SHALL BE TAGGED AND SEALED BY THE LANDSCAPE ARCHITECT.
 4. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON PLANT LIST. QUANTITIES SHOWN ON PLANS SHALL GOVERN OVER PLANT LIST.
 5. ANY PROPOSED PLANT SUBSTITUTIONS MUST BE APPROVED IN WRITING BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
 6. ALL PLANT MATERIALS INSTALLED SHALL MEET THE GUIDELINES ESTABLISHED BY THE STANDARDS FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
 7. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF ACCEPTANCE.
 8. ALL DISTURBED AREAS NOT OTHERWISE NOTED SHALL RECEIVE 6" OF SUITABLE LOAM & SEED. LAWNS WITH 3:1 OR GREATER SLOPES SHALL BE PROTECTED WITH AN EROSION CONTROL BLANKET.
 9. ANY FALL TRANSPLANTING HAZARD PLANTS SHALL BE DUG IN THE SPRING AND STORED FOR FALL PLANTING.
 10. ALL PLANT BEDS AND TREE SAUCERS TO RECEIVE 3" OF PINE BARK MULCH. GROUND COVER AREAS SHALL RECEIVE 1" OF PINE BARK MULCH.
 11. CONTRACTOR RESPONSIBLE FOR WATERING, AND RESEEDING OF BARE SPOTS UNTIL A UNIFORM STAND OF VEGETATION IS ESTABLISHED AND ACCEPTED.
 12. SOIL SAMPLES, TESTS, AND SHOP DRAWINGS SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT OR THE OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

LOAM AND SEEDING NOTES:

CONTRACTOR SHALL SEED ALL DISTURBED AREAS NOT NOTED TO RECEIVE OTHER MATERIALS, AND AT AREAS SHOWN ON THE PLAN PER SPECIFICATIONS BELOW

SCIENTIFIC NAME	COMMON NAME	PROPORTION BY WEIGHT	PURITY	GERMINATION
FESTUCA RUBRA "RUBRA"	CREeping RED FESCUE	37%	95%	90%
PAO PRAENTENSIS "BARON"	BARON KENTUCKY BLUEGRASS	40%	85%	90%
LOLIUM PERENNE "PALMER"	PALMER PERENNIAL RYEGRASS	15%	95%	90%
FESTUCA RUBRA COMMUTATA WILMA	WILMA CHEWINGS	8%	95%	80%

1. SEED TO BE SPREAD AT MINIMUM RATE OF 5 LBS. PER 1000 SQ. FT.
2. SEEDING TO BE COMPLETED "IN SEASON" BETWEEN APRIL 1 TO JUNE 15 OR AUGUST 15 TO OCTOBER 1, EXCEPT FOR RESEEDING OF BARE SPOTS. IF UNABLE TO SEED WITHIN THESE TIMEFRAMES, CONTRACTOR TO INSTALL EROSION CONTROL MATS ON ALL SLOPES 3:1 AND OVER, HYDROSEED ALL EXPOSED AREAS, ADD SOIL STABILIZER "FLUX TERRA HP-FGM SOIL STABILIZER" AS MANUFACTURED BY "PROFILE" TO HYDROSEED (AT RATE OF 3,000 LBS PER ACRE), AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO COMPLETE ALL ABOVE "OUT OF SEASON" REQUIREMENTS AND THEN ALSO BE RESPONSIBLE FOR RE-GRADING AND RE-SEEDING ALL DISTURBED, ERODED, OR BARE SPOTS WITHIN NEXT CLOSEST PLANTING SEASON IN FALL OR SPRING AT NO ADDITIONAL COST TO OWNER. CONTRACTOR RESPONSIBLE FOR ALL MAINTENANCE UNTIL FINAL ACCEPTANCE OF LAWN AREAS INCLUDING: WATERING, ADDING FERTILIZERS AND LIME AND MOWING AT NO ADDITIONAL COST TO OWNER.
3. COMMERCIAL FERTILIZER SHALL BE APPLIED AT THE RATE OF 25 POUNDS PER 1000 SQ. FT. OR AS RECOMMENDED BY THE TESTING AGENCY. LIME TO BE SPREAD AT THE RATE OF 100 POUNDS PER 1000 SQ. FT. OR AS RECOMMENDED BY THE TESTING AGENCY. COMMERCIAL FERTILIZER SHALL BE A COMPLETE FERTILIZER CONTAINING AT LEAST 50% OF THE NITROGEN OF WHICH IS DERIVED FROM NATURAL ORGANIC SOURCES OF UREAFORM. IT SHALL CONTAIN THE FOLLOWING PERCENTAGES BY WEIGHT: NITROGEN (N) 10%, PHOSPHORUS (P) 6%, POTASH (K) 4%. LIME SHALL BE AN APPROVED AGRICULTURAL LIMESTONE CONTAINING NOT LESS THAN 85% OF TOTAL CARBONATES. LIMESTONE SHALL BE GROUND TO SUCH FINENESS THAT 50% WILL PASS A 100 MESH SIEVE AND 90% WILL PASS THROUGH A 20 MESH SIEVE.
4. LAWN AREAS TO BE SEED BY SOWING EVENLY WITH AN APPROVED MECHANICAL SEEDER AT THE RATE OF TEN POUNDS PER 1000 SQUARE FEET.
5. CONTRACTOR RESPONSIBLE FOR WATERING, MOWING, AND RESEEDING OF LAWN BARE SPOTS UNTIL A UNIFORM, HEALTHY STAND OF GRASS IS ESTABLISHED AND ACCEPTED.



REV	DATE	REVISION

APPLICANT/OWNER:
108 SYCAMORE STREET REALTY TRUST
12 VENTURA DRIVE
DARTMOUTH, MA 02747

PROJECT:
PROPOSED 2-FAMILY DWELLING
108 SYCAMORE STREET
FAIRHAVEN, MA

PROJECT NO.	2759-01	DATE:	07-31-2020
SCALE:	1" = 10'	DWG. NAME:	C2759-01_
DESIGNED BY:	BD	CHECKED BY:	PLC

PREPARED BY:
ALLEN & MAJOR ASSOCIATES, INC.
civil engineering • land surveying
environmental consulting • landscape architecture
www.allenmajor.com
10 MAIN STREET
LAKEVILLE MA 02347
TEL: (508) 923-1010
FAX: (508) 923-6309
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LANDSCAPE PLAN TO ACCOMPANY NOTICE OF INTENT

SHEET No.
L-101

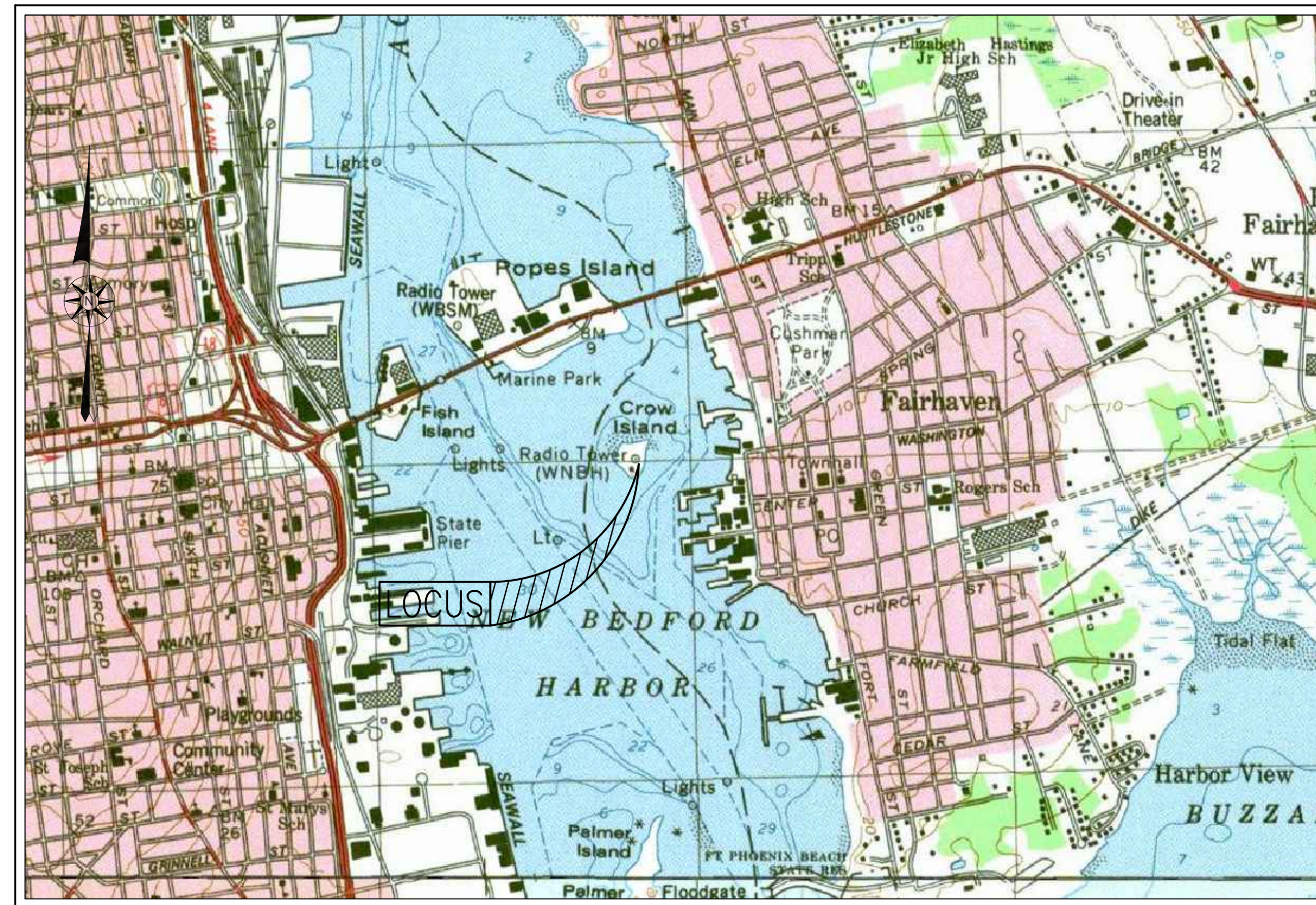
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SITE PLAN

1 CROW ISLAND

ASSESSORS MAP 44 LOT 1

FAIRHAVEN, MASSACHUSETTS



— AREA MAP —
SCALE: 1"=1,000'±

— INDEX —

SHEET	DESCRIPTION
1	COVER
2	EXISTING CONDITIONS
3	LAYOUT
4	GRADING & DRAINAGE
5	DETAILS

— ZONING DATA —

DISTRICT: RA (SINGLE RESIDENCE DISTRICT)

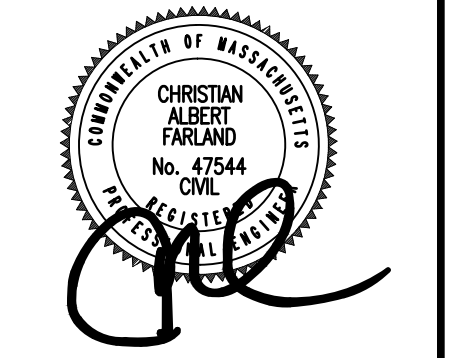
DESCRIPTION	REQUIRED	PROVIDED
LOT AREA	15,000 S.F.	S.F.
LOT FRONTAGE	100 FT	FT
FRONT SETBACK	20 FT	FT
SIDE SETBACK	10 FT	FT
REAR SETBACK	30 FT	FT
BUILDING HEIGHT (MAXIMUM)	35 FT	FT
BUILDING COVERAGE (MAXIMUM)	30 %	%
LOT COVERAGE (MAXIMUM)	50 %	%

RECORD OWNER:
ASSESSORS MAP 44 LOT 1
FAIRHAVEN CROW ISLAND LLC
PO BOX 40159
NEW BEDFORD, MA 02744
DEED BOOK 10496 PAGE 38

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REVISIONS

1	8/3/20	PER C.C. COMMENTS
2	8/17/20	PER C.C. COMMENTS



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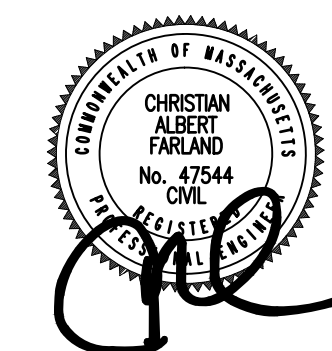
DRAWN BY: JT
DESIGNED BY: CAF
CHECKED BY: CAF

SITE PLAN
 1 CROW ISLAND
 ASSESSORS MAP 44 LOT 1
 FAIRHAVEN, MASSACHUSETTS
 PREPARED FOR:
 NEW BEDFORD, INC.
 72 NORTH WATER STREET 3RD FLOOR
 NEW BEDFORD, MA 02740

JULY 2, 2020
SCALE: AS NOTED
JOB NO. 19-534
LATEST REVISION:
AUGUST 17, 2020
COVER
SHEET 1 OF 5

REVISIONS

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2	8/17/20	PER C.C. COMMENTS



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SITE PLAN

1 CROW ISLAND
ASSESSORS MAP 44 LOT 1
FAIRHAVEN, MASSACHUSETTS

PREPARED FOR:
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72 NORTH WATER STREET 3RD FLOOR
NEW BEDFORD, MA 02740

JULY 2, 2020

SCALE: 1"=20'

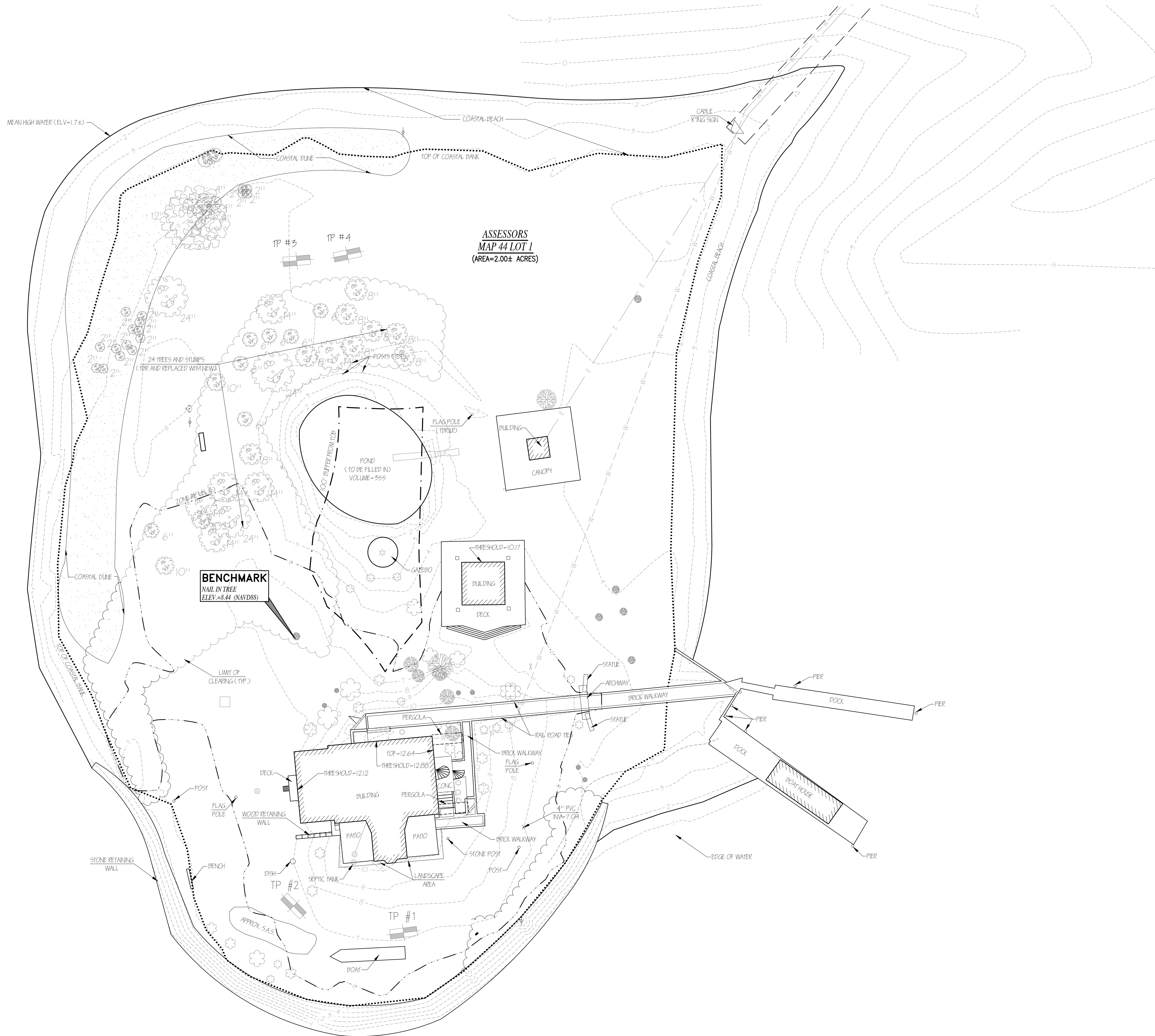
JOB NO. 19-534

LATEST REVISION:

AUGUST 17, 2020

EXISTING CONDITIONS

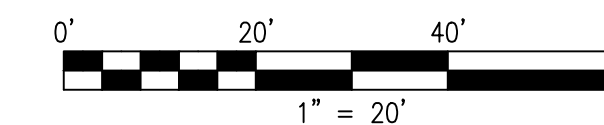
SHEET 2 OF 5



NOTE:
RESOURCE AREAS WERE DELINEATED BY FARLAND CORPORATION, INC. IN 2020.

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FLOOD NOTE:
BY GRAPHIC PLOTTING ONLY, THE PROPERTY DEPICTED ON THIS PLAN FALLS IN ZONE AE (EL 6 Feet), AS SHOWN ON THE FLOOD INSURANCE RATE MAP 25005C03936, dated July 16, 2014

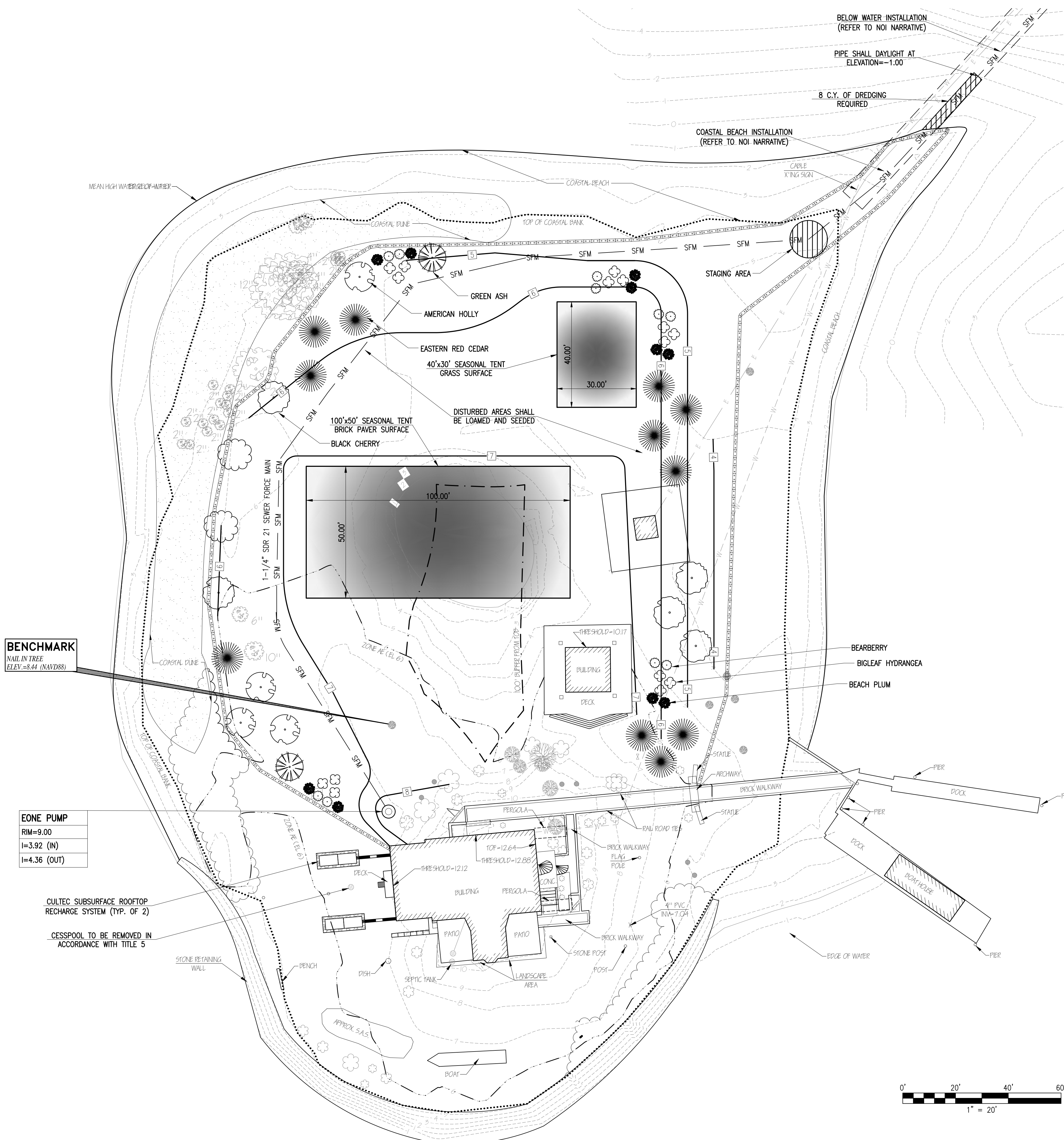




LANDSCAPE TABLE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
TREES				
	FRAXINUS PENNSYLVANICA	GREEN ASH	5'-6' HT	2
	ILEX OPACA	AMERICAN HOLLY	5'-6' HT	4
	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5'-6' HT	11
	PRUNUS SEROTINA	BLACK CHERRY	5'-6' HT	5
	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	5'-6' HT	2
SHRUBS				
	PRUNUS MARITIMA	BEACH PLUM	2 GAL.	10
	ARCTOSTAPHYLOS UBA-URSI	BEARBERRY	2 GAL.	10
	HYDRANGEA MACROPHYLLA	BIGLEAF HYDRANGEA	2 GAL.	15

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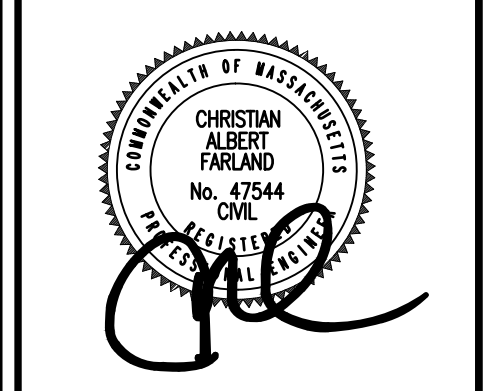
BENCHMARK
 NAIL IN TREE
 ELEV. = -8.44 (NAVD83)

EONE PUMP
 RIM = 9.00
 I = 3.92 (IN)
 I = 4.36 (OUT)

CULTEC SUBSURFACE ROOFTOP RECHARGE SYSTEM (TYP. OF 2)

CESSPOOL TO BE REMOVED IN ACCORDANCE WITH TITLE 5

REVISIONS		
1	8/3/20	PER C.C. COMMENTS
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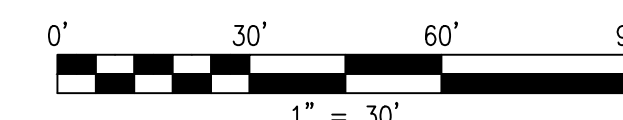
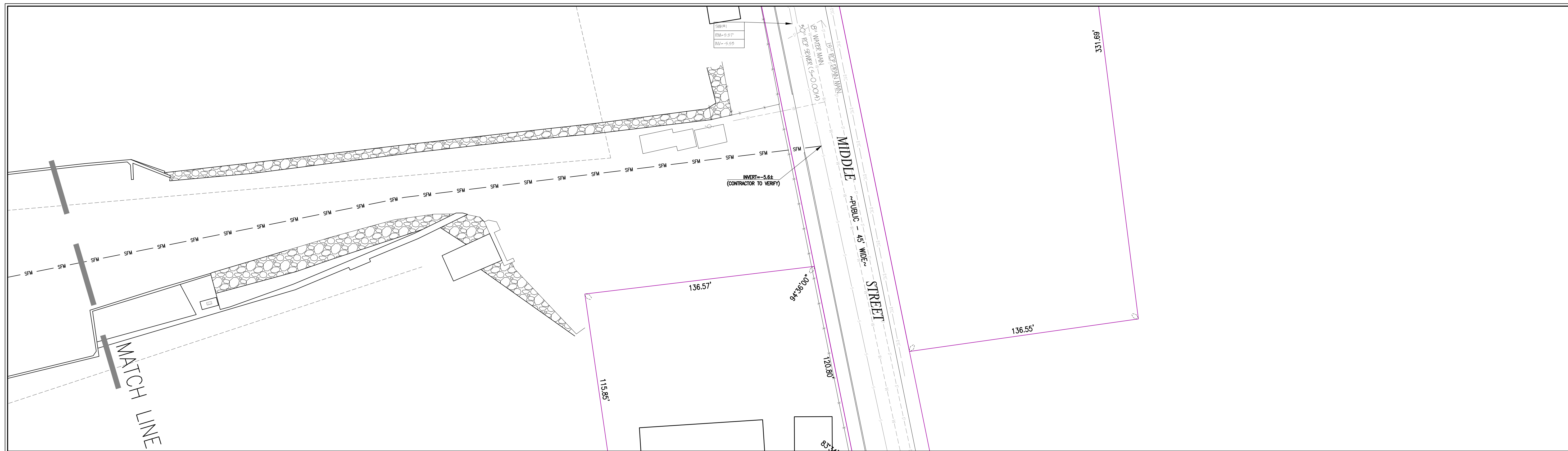
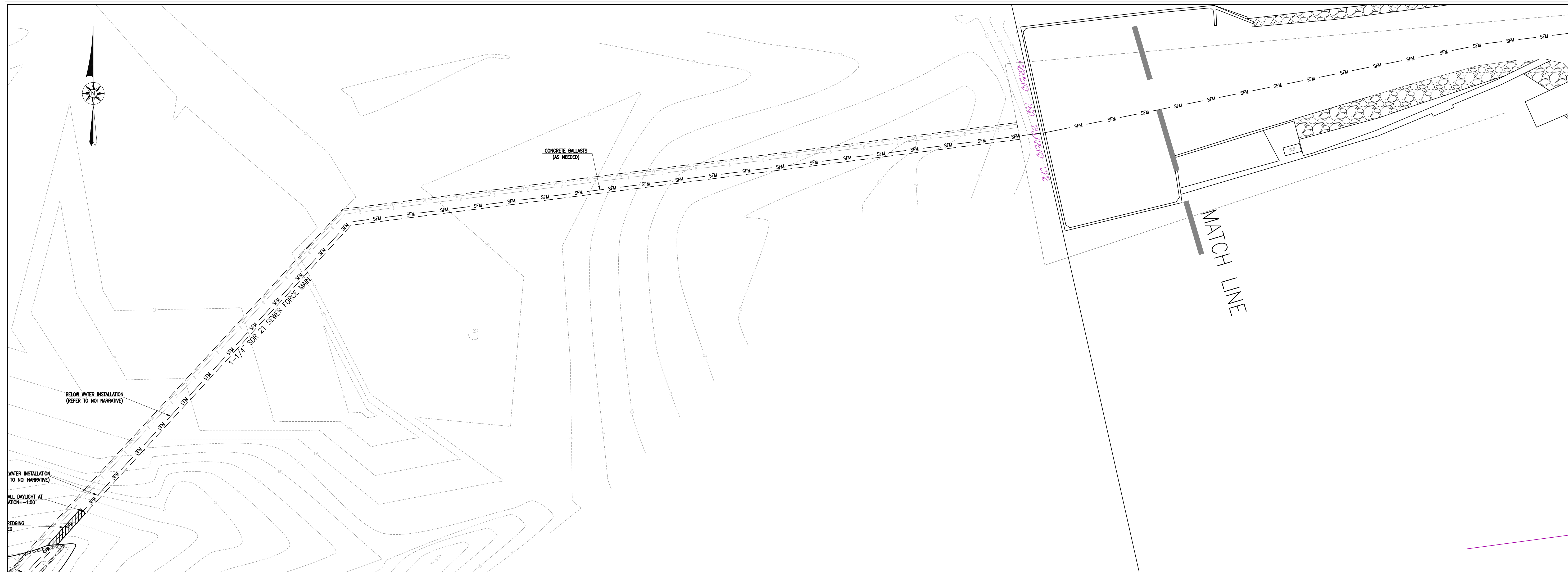
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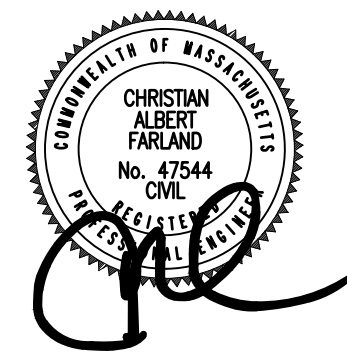
SITE PLAN
 1 CROW ISLAND
 ASSESSORS MAP 44 LOT 1
 FAIRHAVEN, MASSACHUSETTS
 PREPARED FOR:
 NEW BEDFORD, INC.
 72 NORTH WATER STREET 3RD FLOOR
 NEW BEDFORD, MA 02740

JULY 2, 2020
 SCALE: 1" = 20'
 JOB NO. 19-534
 LATEST REVISION:
 AUGUST 17, 2020

LAYOUT
 SHEET 3 OF 5



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SITE PLAN
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JULY 2, 2020
 SCALE: 1"=30'
 JOB NO. 19-534
 LATEST REVISION:
 AUGUST 17, 2020

GRADING & UTILITIES
 SHEET 4 OF 5

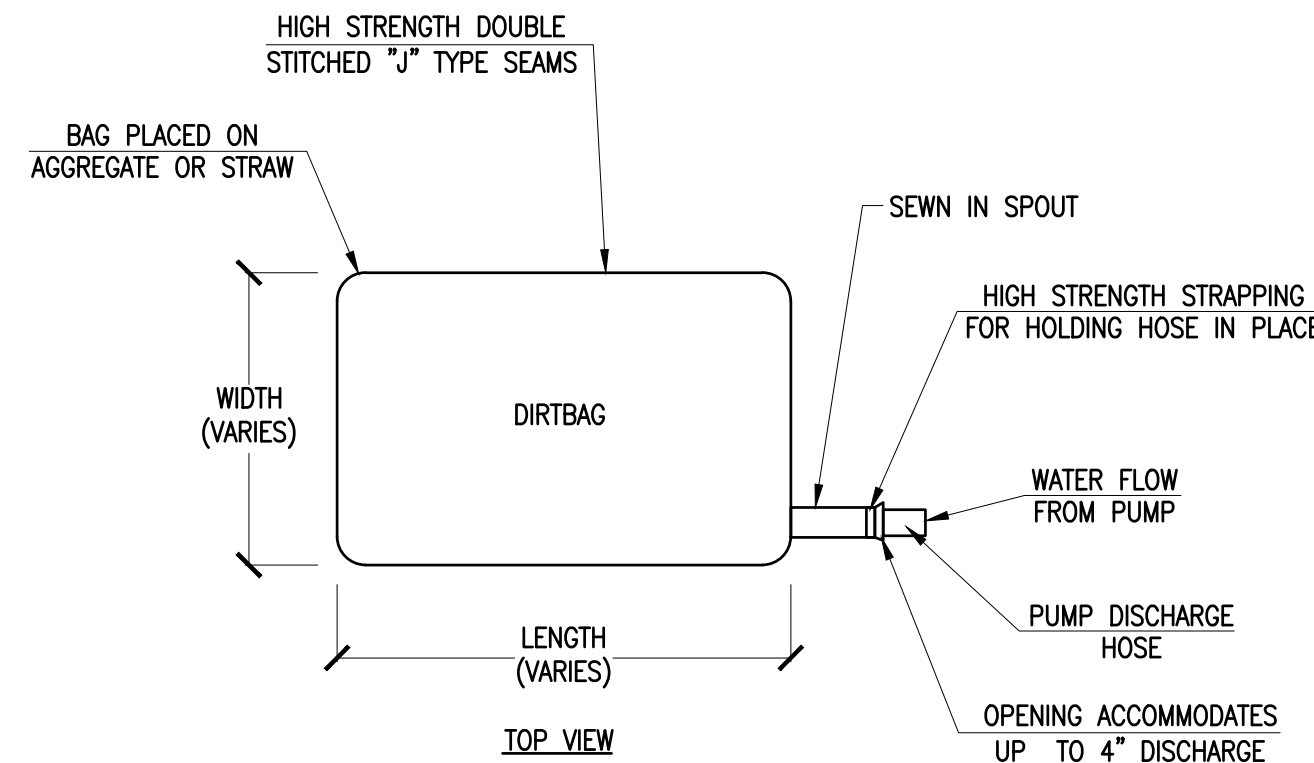
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GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- TOPOGRAPHIC AND PROPERTY LINE SURVEY PERFORMED BY FARLAND CORP. IN 2020.
- RESOURCE AREA DELINEATIONS PERFORMED BY FARLAND CORP. IN 2020.
- VERTICAL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND HORIZONTAL LOCATIONS REFER TO THE NORTH AMERICAN DATUM (NAD) OF 1983.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL STANDARDS AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.
- ALL BENCHMARKS SHOWN ON THIS PLAN ARE TO BE CHECKED FOR CONSISTENCY BY THE CONTRACTOR. ANY DISCREPANCIES MUST BE RESOLVED BY THIS OFFICE PRIOR TO CONSTRUCTION.
- ALL EXISTING TREES, SHRUBS AND GROUND COVER WHERE NATURAL GRADE IS TO BE RETAINED SHALL BE KEPT IN THEIR EXISTING STATE UNLESS REMOVAL IS REQUIRED FOR CONSTRUCTION PURPOSES.
- ALL AREAS DISTURBED BY CONSTRUCTION AND NOT TO BE PAVED OR OTHERWISE TREATED AS NOTED ON PLAN SHALL BE TREATED WITH 4" OF LOAM, SEEDED AND HAY MULCHED FOR EROSION CONTROL.
- ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
- THESE PLANS ARE PERMITTING PLANS AND SHALL NOT TO BE USED FOR CONSTRUCTION. A FINAL SET OF STAMPED PLANS FOR CONSTRUCTION WILL BE ISSUED AFTER RECEIVING FINAL APPROVAL FROM THE LOCAL AND/OR STATE DEPARTMENTS.

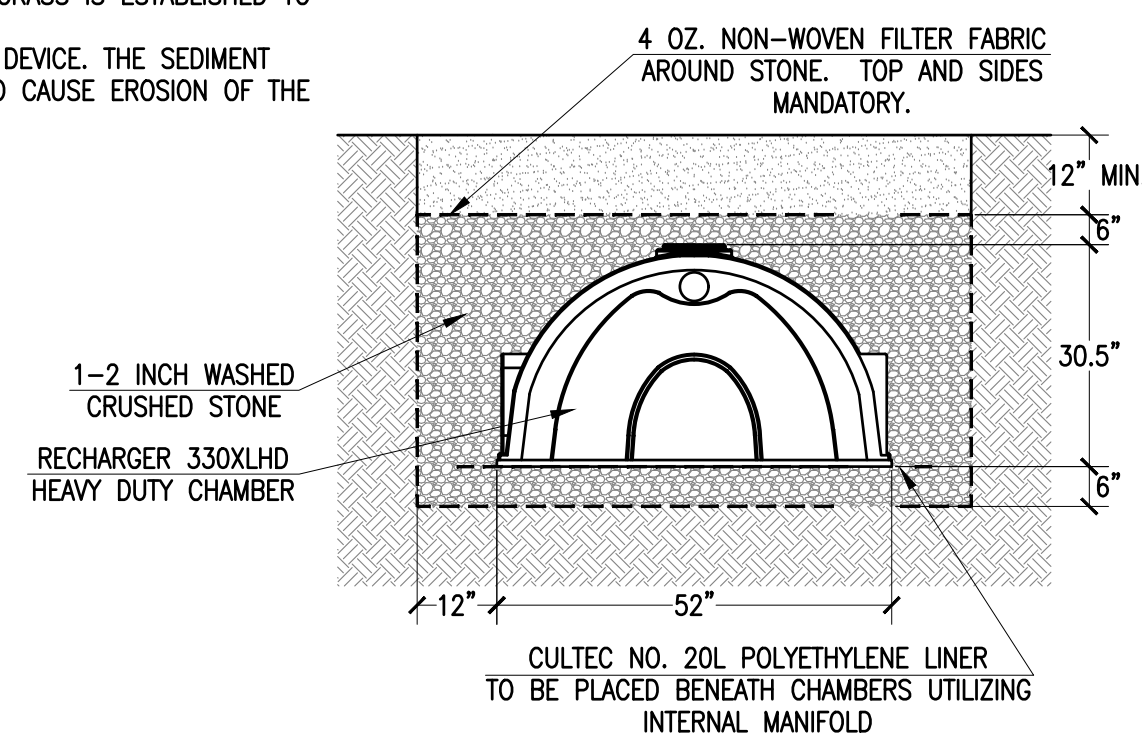
SOIL EROSION AND SEDIMENT CONTROL NOTES

- THE CONSERVATION COMMISSION SHALL BE NOTIFIED, AT LEAST 72 HOURS PRIOR TO ANY LAND DISTURBANCE.
- A COPY OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
- SOIL EROSION AND SEDIMENT CONTROL PRACTICES IN THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY DEMOLITION GRADING OPERATIONS AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
- ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
- ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
- THE MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES DURING AND IMMEDIATELY AFTER CONSTRUCTION RESTS WITH THE GENERAL CONTRACTOR. UPON ACCEPTANCE OF THE PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY REMAINING MEASURES AND FACILITIES.
- OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE ENGINEER.
- THE CONSERVATION COMMISSION AND/OR ENGINEER MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT INSPECTOR.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- LAND AREAS EXPOSED AT ANY ONE TIME AND THE LENGTH OF EXPOSURE SHALL BE KEPT TO A PRACTICAL MINIMUM. THEY SHALL BE LEFT IN A NEAT AND FINISHED APPEARANCE AND PROTECTED FROM EROSION.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTRIBUTED AREAS SHALL BE MULCHED.
- ALL CRITICAL AREAS SUBJECT TO EROSION SHALL RECEIVE A TEMPORARY SEEDING AND BE MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS IMMEDIATELY FOLLOWING ROUGH GRADING.
- IMMEDIATELY AFTER COMPLETION OF STRIPPING AND STOCKPILING OF TOPSOIL, SEED THE STOCKPILE WITH ANNUAL RYE GRASS. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISHMENT OF TEMPORARY SEEDING.
- MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- ALL AREAS NOT STABILIZED BY CONSTRUCTION, SODDING OR LANDSCAPING SHALL BE SEEDED AND STABILIZED IN ACCORDANCE WITH THE SEEDING AND MULCHING SPECIFICATIONS.
- MULCHING IS REQUIRED ON ALL SEEDING AREAS TO INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED TO PROMOTE EARLIER VEGETATIVE COVER.
- ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTRATION DEVICE. THE SEDIMENT FILTER MUST BE CAPABLE OF FILTERING THE SEDIMENT AND BE PLACED SO AS NOT TO CAUSE EROSION OF THE DOWNSTREAM AREA.



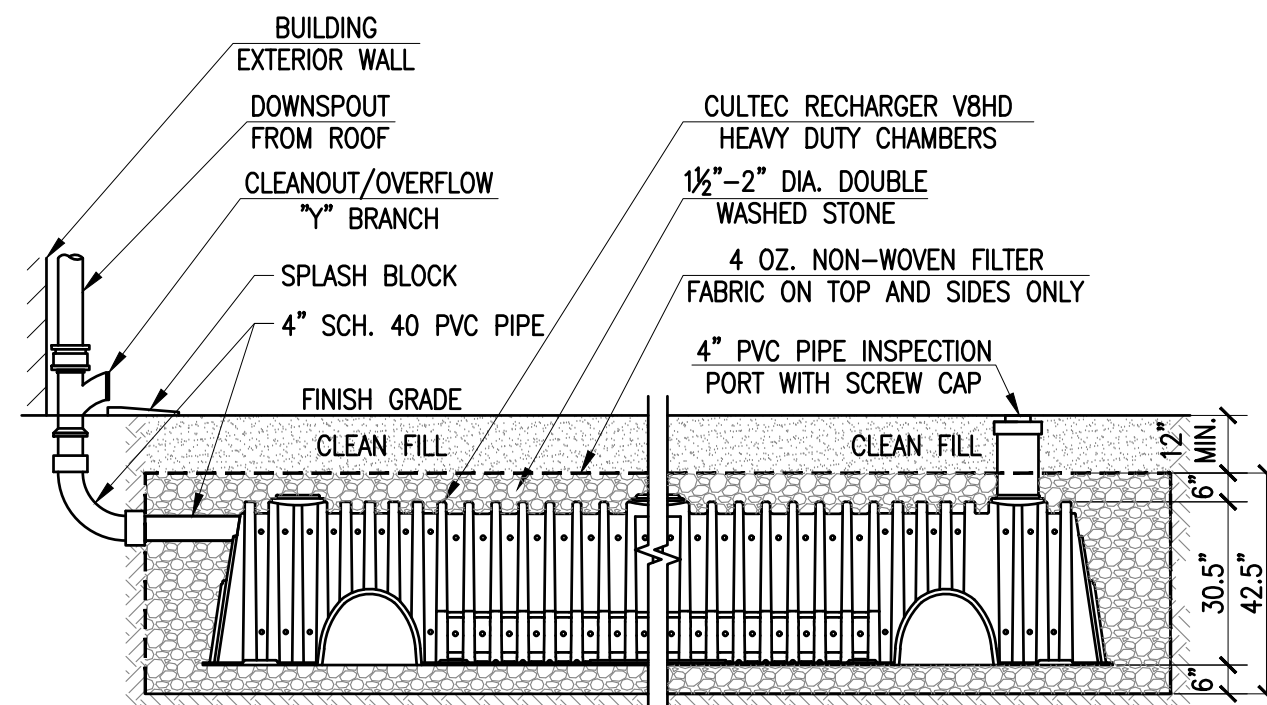
DIRTBAG

NOT TO SCALE



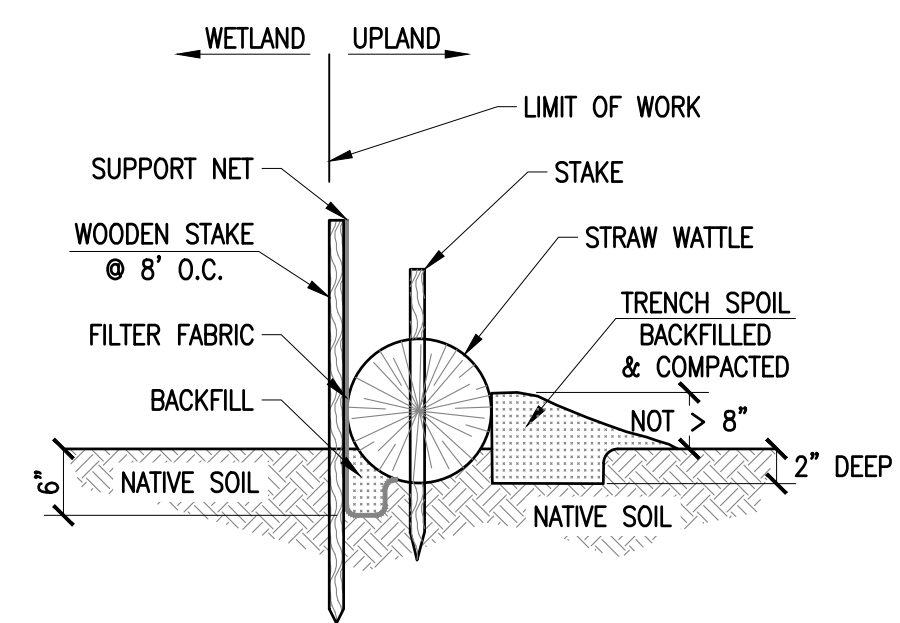
CULTEC RECHARGER 330XLHD STANDARD CROSS SECTION

NOT TO SCALE



ROOF RECHARGE SYSTEM

NOT TO SCALE

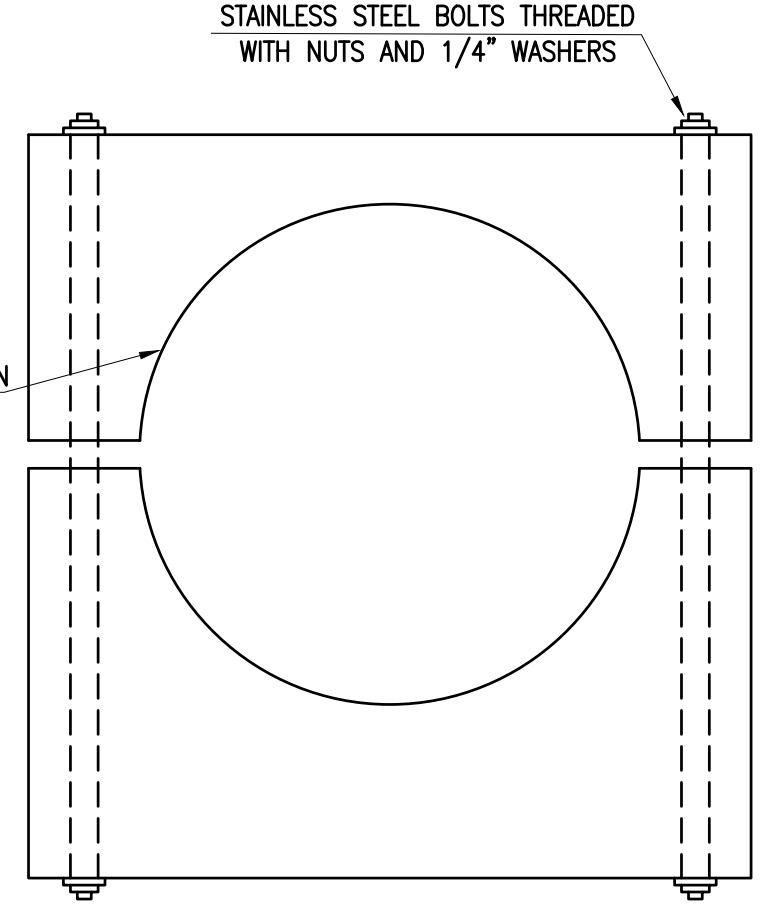


STAKED STRAW WATTLE WITH SILT FENCE

NOT TO SCALE

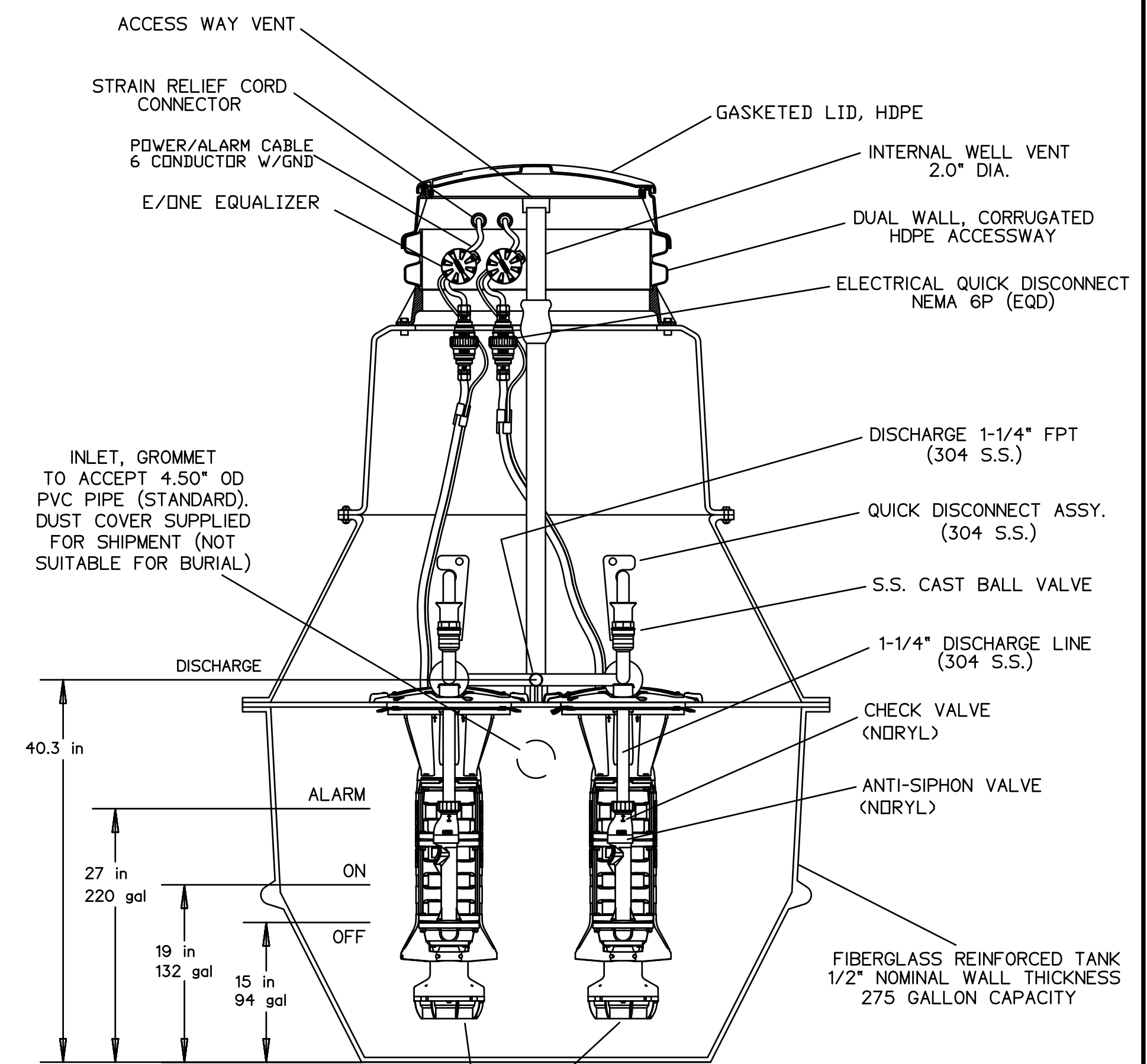
LEGEND

EXISTING	PROPOSED
—○—	—+101.1—
—W—W—	—W—W—
—S—S—	—S—S—
—○—	—SFM—SFM—
—○—	—○—
—○—	—ETC—ETC—



CONCRETE BALLAST

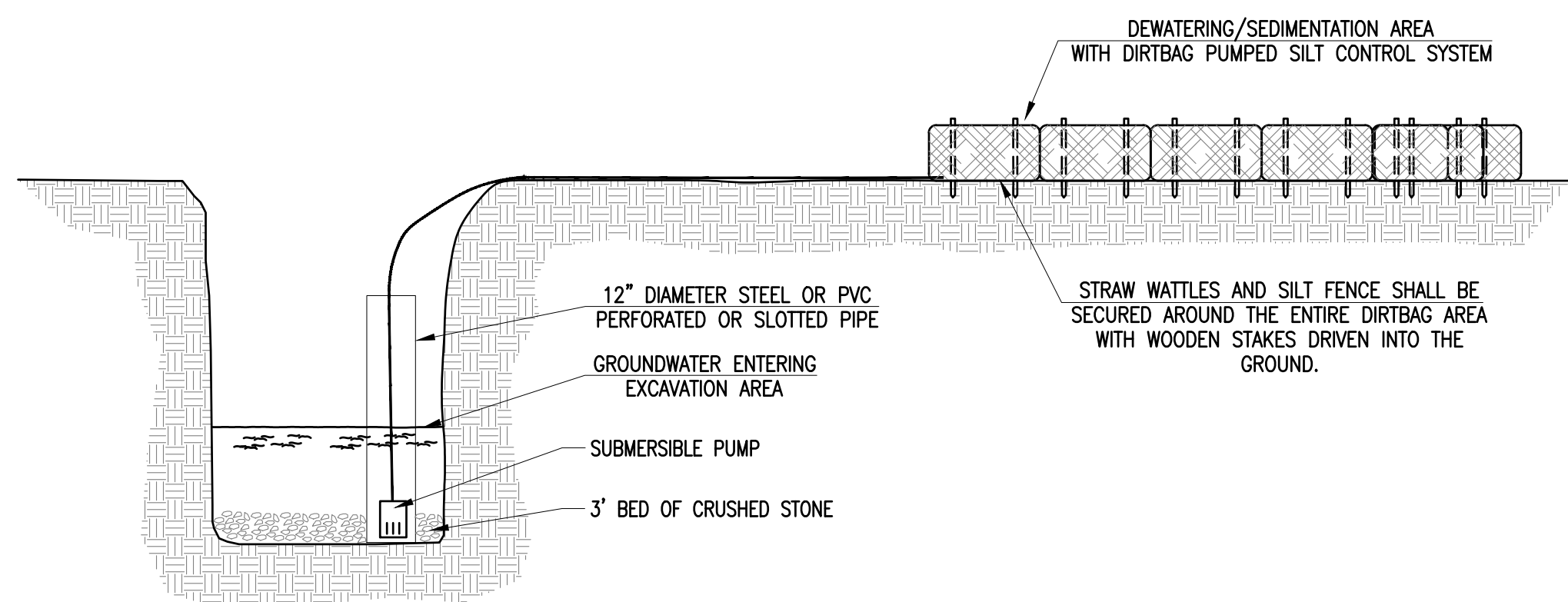
NOT TO SCALE



EONE DH272 PUMP CHAMBER

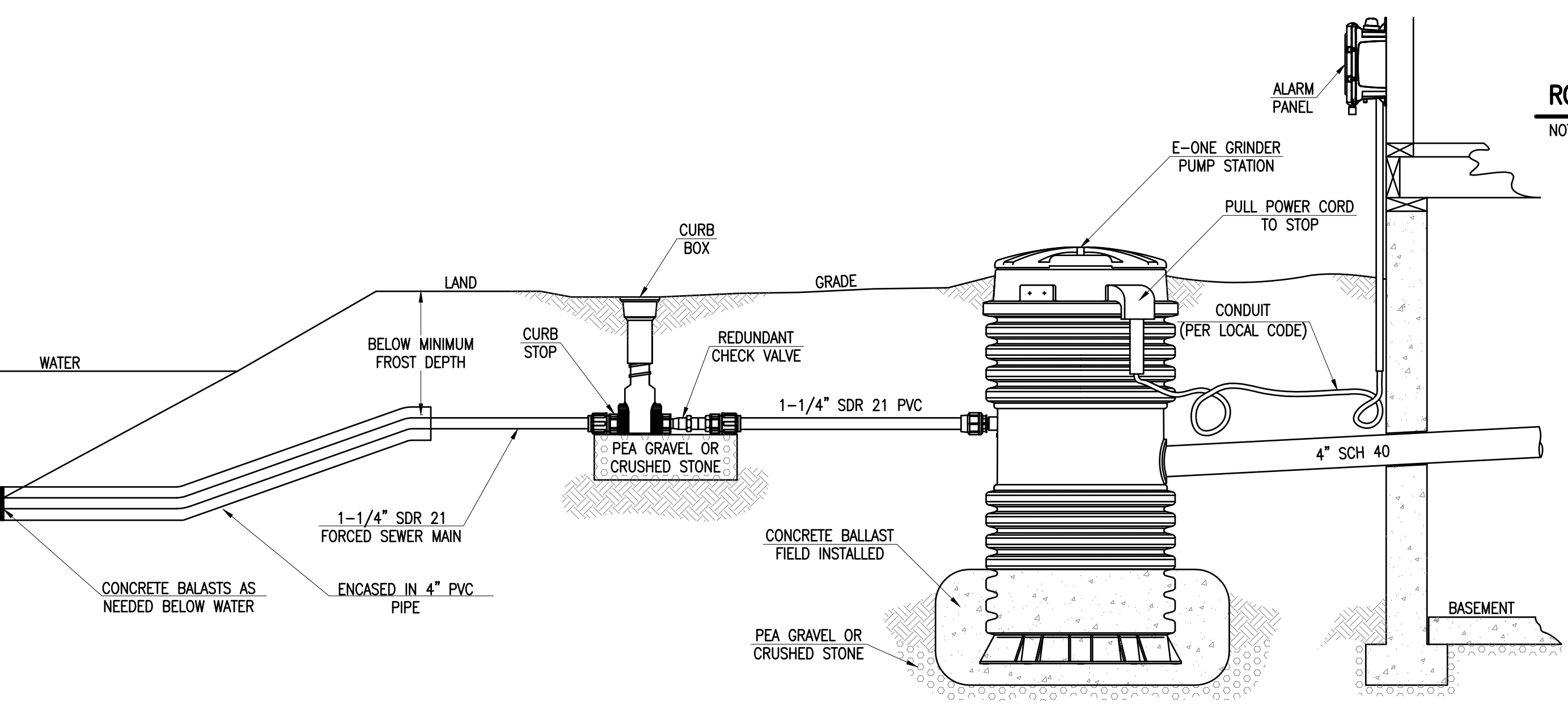
NOT TO SCALE

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS



DEWATERING/SEDIMENTATION CONTROL

NOT TO SCALE

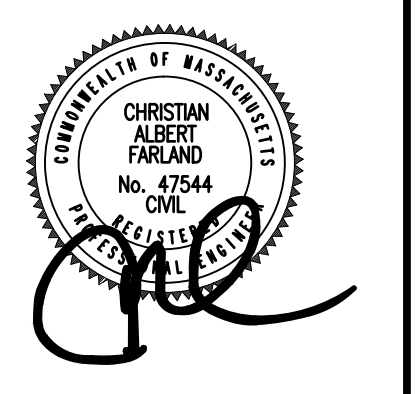


TYPICAL LATERAL INSTALLATION

NOT TO SCALE

REVISIONS

NO.	DATE	DESCRIPTION
1	8/3/20	PER C.C. COMMENTS
2	8/17/20	PER C.C. COMMENTS



www.FarlandCorp.com

401 COUNTY STREET
NEW BEDFORD, MA 02740
P. 508.717.3479
OFFICES IN:
● TAUNTON
● MARLBOROUGH
● WARWICK, RI

DRAWN BY: JT
DESIGNED BY: CAF
CHECKED BY: CAF

SITE PLAN
1 CROW ISLAND
ASSESSORS MAP 44 LOT 1
FAIRHAVEN, MASSACHUSETTS
PREPARED FOR:
NEW BEDFORD, INC.
72 NORTH WATER STREET 3RD FLOOR
NEW BEDFORD, MA 02740

JULY 2, 2020
SCALE: AS NOTED
JOB NO. 19-534
LATEST REVISION:
AUGUST 17, 2020

DETAILS
SHEET 5 OF 5

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