

GENERAL NOTES:

- ALL UNDERGROUND UTILITIES SHOWN OR NOT SHOWN WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS AND IN PART FROM FIELD SURVEY AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING, ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE MGL CHAPTER 370, ACTS OF 1963. CONTRACTORS MUST CALL DIG-SAFE AT (1-888-DIG-SAFE OR 811) G.A.F. ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- EXISTING CONDITIONS INFORMATION IS BASED ON ACTUAL FIELD SURVEY, PRIVATE UTILITY PLANS, AND OTHER AVAILABLE SOURCES. FIELD SURVEY WAS PERFORMED BY G.A.F. ENGINEERING, INC., ON VARIOUS DATES AND MOST RECENTLY IN SEPTEMBER OF 2020.
- THE CONTRACTOR SHALL COORDINATE AND OBTAIN ALL REQUIRED PERMITS, GIVE ALL NOTICES, COMPLY WITH ALL LAWS AND REGULATIONS, AND PAY ALL FEES ASSOCIATED WITH THE INSTALLATION OF THIS WORK.
- THE CONTRACTOR SHALL FIELD VERIFY, PRIOR TO CONSTRUCTION ALL EXISTING UNDERGROUND UTILITY LOCATIONS AND POINTS OF INTERCONNECTION.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, SUPERVISION, TOOLS, EQUIPMENT, FUEL, POWER, SANITARY FACILITIES AND INCIDENTALS NECESSARY FOR THE FURNISHING, PERFORMANCE, TESTING, START-UP AND COMPLETION OF THIS WORK.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER OF ANY CONFLICTS DISCOVERED IN THE FIELD.
- ANY CHANGES TO THESE SITE PLANS THAT ARE MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS AND REPORTED TO THE OWNER AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN EXCAVATION AND TRENCH PERMIT PURSUANT TO 520 CMR 14.00 AS APPLICABLE PRIOR TO THE START OF CONSTRUCTION.

CONSTRUCTION NOTES:

- IN GENERAL, THE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING, CHANGE IN DIRECTION OR DETAIL OF CONSTRUCTION.
- THE LOCATION OF UTILITIES WERE OBTAINED FROM VARIOUS SOURCES OF INFORMATION. THE EXACT LOCATION AND COMPLETENESS IS NOT GUARANTEED. THE CONTRACTOR MUST NOTIFY DIG SAFE PRIOR TO THE START OF CONSTRUCTION (1-888-DIG-SAFE OR 811). G.A.F. ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF PERSONNEL AND PROTECTION OF PROPERTY AT THE SITE OR ADJACENT THERETO INCLUDING TREES, SHRUBS, LAWNS, PAVEMENTS, ROADWAYS, STRUCTURES AND UNDERGROUND UTILITIES NOT DESIGNED FOR REMOVAL, RELOCATION, OR REPLACEMENT.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION REQUIRED FOR THE INSTALLATION OF THIS WORK.
- ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS AND OF GOOD QUALITY.
- THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THIS WORK.
- ALL PAVEMENT MARKINGS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AS PART OF THIS WORK.
- THE CONTRACTOR SHALL INSTITUTE ALL SAFETY MEASURES NECESSARY TO PROTECT THE PUBLIC SAFETY. THIS SHALL INCLUDE, BUT NOT LIMITED TO, BARRICADES, SIGNS, LIGHTING, FENCES, POLICE DETAILS, AND ANY OTHER MEANS AS DIRECTED. NO TRENCHES ARE TO REMAIN OPEN OVERNIGHT.
- ELEVATIONS ARE IN FEET AND TENTHS AND ARE BASED ON THE DATUM OF NAVD-88.
- SIDE SLOPE GRADING SHALL BE AS NOTED ON THE SITE PLANS.
- ALL SIDE SLOPES SHALL BE DRESSED WITH 4 INCHES OF TOPSOIL. WHERE SIDE SLOPES EXCEED 3:1, PROVIDE AN EROSION CONTROL BLANKET OVER THE PLANTED SEED BED. SEE PLAN FOR LOCATIONS.
- PERMANENT SEEDING (BEFORE SEPTEMBER 15) LIME TO PH OF 6.5 ACCORDING TO SOIL TEST OR APPLY AT THE RATE OF 100 TO 150 LBS. PER 1,000 SQUARE FEET. APPLY 10-20-20 FERTILIZER AT 1,000 LBS. PER ACRE. INCORPORATE LIME AND FERTILIZER IN TOP 4 INCHES OF SOIL. SEED 100 LBS. PER ACRE OF THE FOLLOWING SEED MIX.

PURE PERCENT	SEED
30-35%	CREeping RED FESCUE
30-35%	PERENNIAL RYEGRASS
20-25%	KENTUCKY BLUEGRASS
10-15%	ANNUAL RYEGRASS

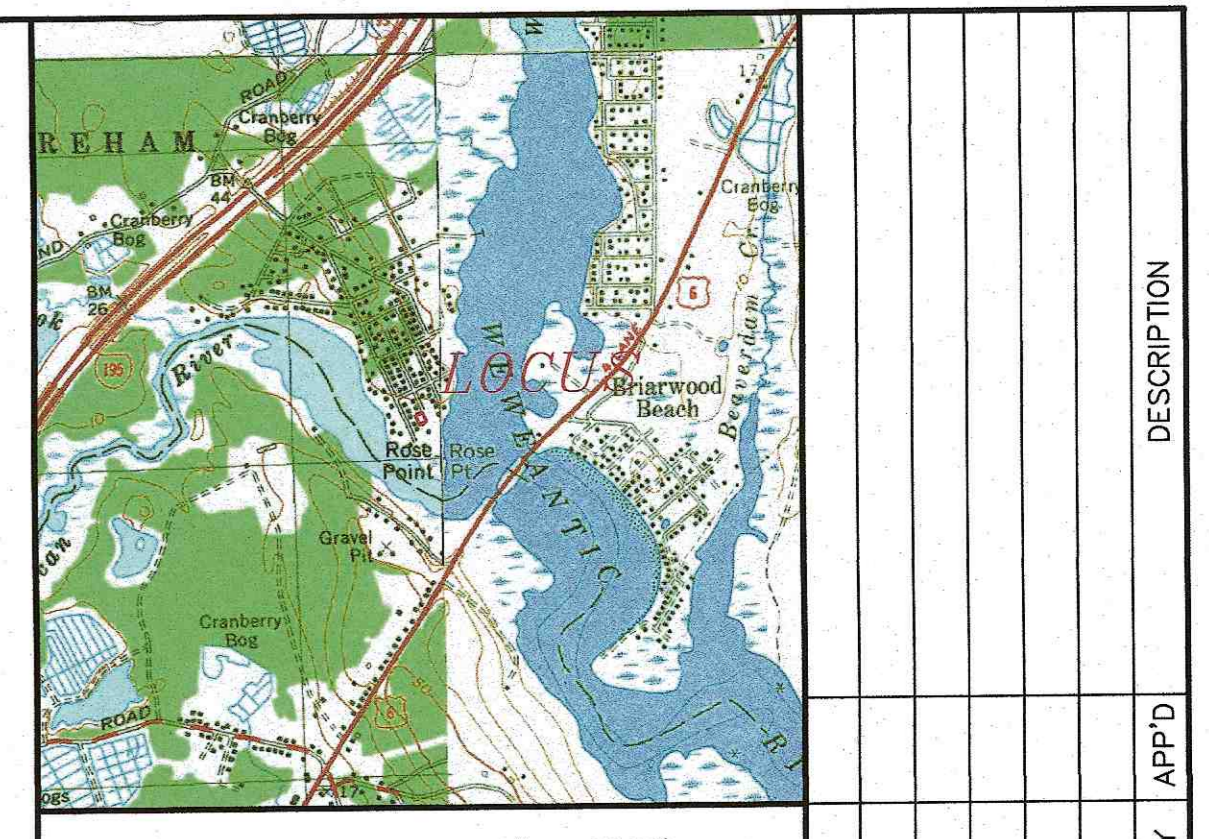
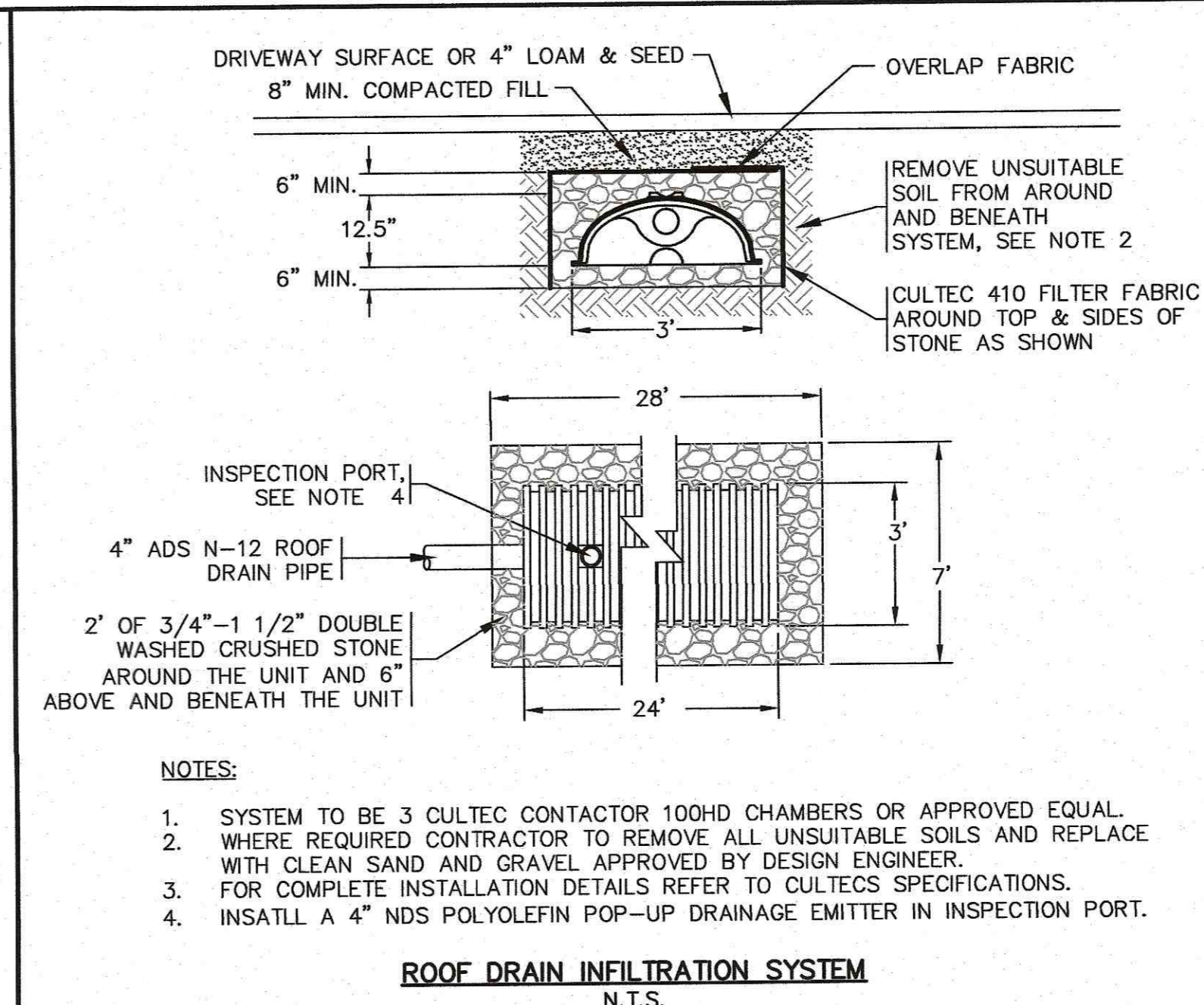
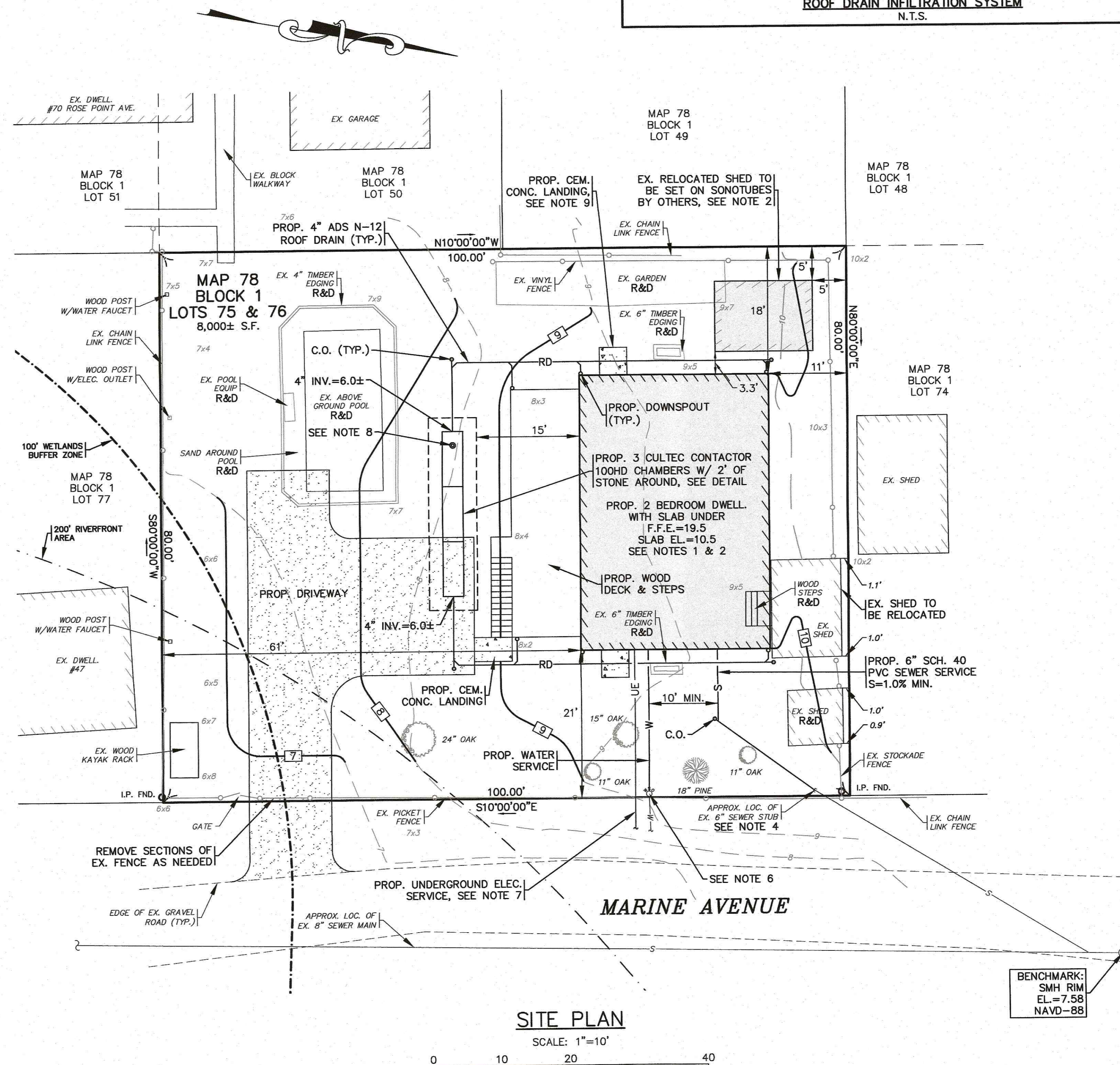
HYDRO SEEDING IS AN ALTERNATIVE FOR THIS APPLICATION. A MIXTURE OF SEED WATER AND MULCH IS SPRAYED ON THE SEED BED COMBINING THREE (3) SEPARATE ACTIONS INTO ONE (1) OPERATION
- ALL SEWER AND PLUMBING WORK SHALL CONFORM WITH 248 CMR 10.00 UNIFORM STATE PLUMBING CODE AND THE TOWN OF WAREHAM SEWER DEPARTMENTS SPECIFICATIONS.
- ALL METHODS AND MATERIALS SHALL CONFORM WITH MassDOT STANDARDS AND SPECIFICATIONS, AND THE REQUIREMENTS OF THE TOWN OF WAREHAM MUNICIPAL MAINTENANCE DEPARTMENT.
- ALL UTILITY INSTALLATIONS SHALL BE IN CONFORMANCE WITH ALL APPLICABLE TOWN, STATE AND FEDERAL REQUIREMENTS & REGULATIONS.
- DEWATERING IF REQUIRED SHALL BE DIRECTED TO A 5" MIN. DIAMETER RING OF HAYBALES OR A DIRTBAG. CONTRACTOR SHALL PROVIDE AND MAINTAIN DEWATERING EQUIPMENT FOR THE CONTROL, COLLECTION AND DISPOSAL OF GROUND AND SURFACE WATER WHERE NECESSARY TO COMPLETE THE WORK.

EROSION CONTROL NOTES:

- THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS. ADDITIONAL PROTECTION: ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING EROSION CONTROL DEVICES WHICH BECOME INEFFECTIVE.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.
- CONTRACTOR SHALL PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF THIRTY DAYS OR MORE.
- IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION OF WORK.
- SPRINKLE OR APPLY DUST SUPPRESSERS TO MINIMIZE DUST AT THE CONSTRUCTION SITE. MAINTAIN DUST CONTROL MEASURES UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- THE CONTRACTOR WILL ALSO NEED TO COMPLY TO ANY ORDER OF CONDITIONS THAT MAY BE ISSUED BY THE TOWN OF WAREHAM CONSERVATION COMMISSION.

NOTES:

- FOR COMPLETE DWELLING DIMENSIONS AND CONSTRUCTION DETAILS REFER TO ARCHITECTURAL & STRUCTURAL PLANS BY OTHERS.
- ALL CONSTRUCTION SHALL COMPLY WITH ALL ASCE 24, MASSACHUSETTS AND INTERNATIONAL BUILDING CODE REQUIREMENTS, AS APPLICABLE FOR CONSTRUCTION IN FLOOD ZONES. REFER TO ARCHITECTURAL & STRUCTURAL PLANS BY OTHERS. DWELLING WILL REQUIRE FLOOD VENTS, REFER TO ARCHITECTURAL PLANS FOR ALL DETAILS, SPECIFICATIONS AND LOCATIONS OF FLOOD VENTS.
- ALL DEBRIS FROM DEMOLITION SHALL BE REMOVED FROM THE SITE AND NOT STOCKPILED.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF THE EXISTING SEWER STUB PRIOR TO CONSTRUCTION. ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH WAREHAM SEWER DEPARTMENTS RULES AND REGULATIONS.
- PROVIDE SEWER CLEANOUT AS SHOWN. CLEANOUT SHALL BE PROVIDED WITH A H.D.C.I. FRAME AND COVER TO FINISHED GRADE.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING WATER SHUTOFF PRIOR TO CONSTRUCTION. ALL WATER SERVICE INSTALLATION SHALL BE IN ACCORDANCE WITH THE WAREHAM WATER DEPARTMENTS RULES AND REGULATIONS.
- CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL CONNECTION POINT FOR THE PROPOSED UNDERGROUND ELECTRIC.
- INSTALL A 4" NDS POLYOLEFIN POP-UP DRAINAGE EMITTER IN INSPECTION PORT.
- PROVIDE A CEMENT CONCRETE LANDING AT ALL EXTERIOR DOORS. REFER TO ARCHITECTURALS FOR FINAL DOOR LOCATIONS.
- REMOVE EXISTING TREES AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH OWNER.
- LOAM AND SEED ALL AREAS DISTURBED BY CONSTRUCTION.



LOT DATA:
ASSESSORS MAP: 78 BLOCK 1/LOTS 75&76
ADDRESS: 43 MARINE AVENUE

OWNER:
JOHN S. & EMILY A. HEAVEY
70 ROSE POINT AVENUE
WAREHAM, MA 02576

ZONING DATA:
ZONE: RESIDENCE 30 (R-30)

SETBACKS:
MINIMUM LOT AREA: 30,000 S.F.
MINIMUM FRONTAGE: 150'
MINIMUM FRONT SETBACK: 20'
MINIMUM SIDE SETBACK: 10'
MINIMUM REAR SETBACK: 10'
MAXIMUM BUILDING HEIGHT: 35'
MAXIMUM BUILDING COVERAGE: 25%

FLOOD ZONE DATA:
THE PROJECT IS WITHIN FLOOD ZONE AE-14. REFER TO THE F.E.M.A. FLOOD INSURANCE RATE MAP PANEL NUMBER 25023C0557K, DATED: FEBRUARY 5, 2014.

EXISTING	DESC.
10	CONTOURS
8x5	SPOT GRADES
WETLANDS	WETLANDS
30' NO ACTIVITY ZONE	30' NO ACTIVITY ZONE
100' BUFFER ZONE	100' BUFFER ZONE
F.E.M.A. FLOOD ZONE	F.E.M.A. FLOOD ZONE
LIMWA	LIMWA
200' RIVERFRONT AREA	200' RIVERFRONT AREA
CATCH BASIN (CB)	CATCH BASIN (CB)
DRAIN MANHOLE (DMH)	DRAIN MANHOLE (DMH)
UTILITY POLE	UTILITY POLE
GUY POLE	GUY POLE
WATER GATE VALVE	WATER GATE VALVE
WATER SHUTOFF/CURB STOP	WATER SHUTOFF/CURB STOP
HYDRANT	HYDRANT
WATER LINE	WATER LINE
UNDERGROUND ELECTRIC	UNDERGROUND ELECTRIC
SEWER MANHOLE (SMH)	SEWER MANHOLE (SMH)
SEWER LINE	SEWER LINE
TREE/BRUSH LINE	TREE/BRUSH LINE
LIGHT POST	LIGHT POST
GAS LINE	GAS LINE
GAS GATE/VALVE	GAS GATE/VALVE
GAS SHUTOFF	GAS SHUTOFF
GAS METER	GAS METER
FENCE	FENCE
SIGN	SIGN
BOUND	BOUND
STONE WALL	STONE WALL
IRON PIPE (I.P.)	IRON PIPE (I.P.)
PROPOSED	DESC.
9x50	CONTOURS
9x50	SPOT GRADES
9x50	EROSION CONTROL
9x50	CHAIN LINK FENCE
9x50	WATER LINE
9x50	SEWER LINE
9x50	UNDERGROUND ELECTRIC
9x50	ELECTRIC METER
9x50	ROOF DRAIN
9x50	CLEAN OUT (C.O.)
9x50	DOWNSPOUT
9x50	REMOVE & DISPOSE

G.A.F. ENGINEERING, INC.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
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E-MAIL: gafengr@aol.com
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APPROVED BY: [Signature]
DATE: OCT. 6, 2020
DRAWN BY: JMP
CHECKED BY: WFM
JOB NO.: 20-9493
SCALE: 1" = 10'

PLAN TO ACCOMPANY REQUEST FOR DETERMINATION OF APPLICABILITY
WAREHAM, MA
PREPARED FOR: JOHN HEAVEY
70 ROSE POINT AVENUE
WAREHAM, MA