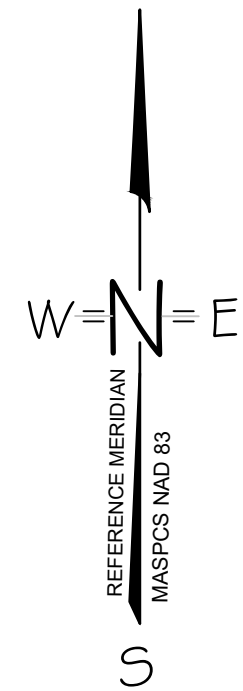


NOTE: EXISTING CESSPOOL TO BE ABANDONED PER 310, CMR 15 AND TOWN REQUIREMENTS

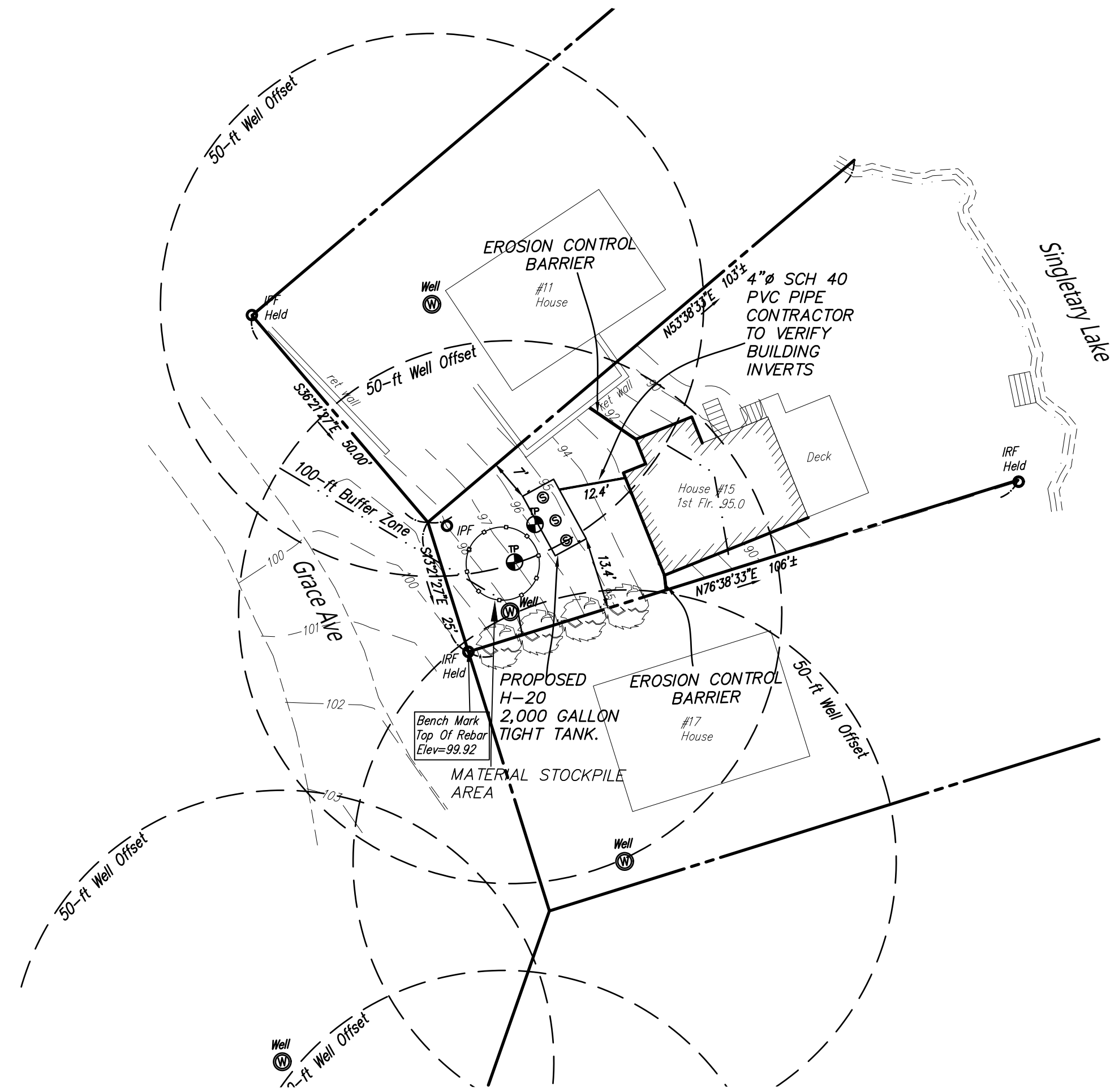
SEQUENCE OF CONSTRUCTION

- EROSION CONTROL MEASURES TO BE INSTALLED
- SITEWORK TO COMMENCE INCLUDING EXCAVATION FOR NEW TIGHT TANK INSTALLATION (STOCKPILE AREAS TO BE USED AS SHOWN)
- ONCE SITEWORK IS COMPLETE, ALL DISTURBED AREAS TO BE TREATED WITH LOAM AND SEED
- NOTE: MICRO GRADING TO INCLUDE FINAL SLOPES PITCHED AWAY FROM FOUNDATIONS
- DISTURBED AREAS AND LOAM STOCKPILES REMAINING IDLE FOR MORE THAN 30 DAYS BE STABILIZED OR COVERED WITH TARPS.



SYMBOL KEY

- STONE WALL
- BOUND
- IRON PIPE
- DRILL HOLE
- UTILITY POLE
- WELL
- TEST PIT
- PERC TEST
- BENCH MARK



BOUYANCY CALCULATION

GROUND WATER ASSUMED TO BE AT 42"

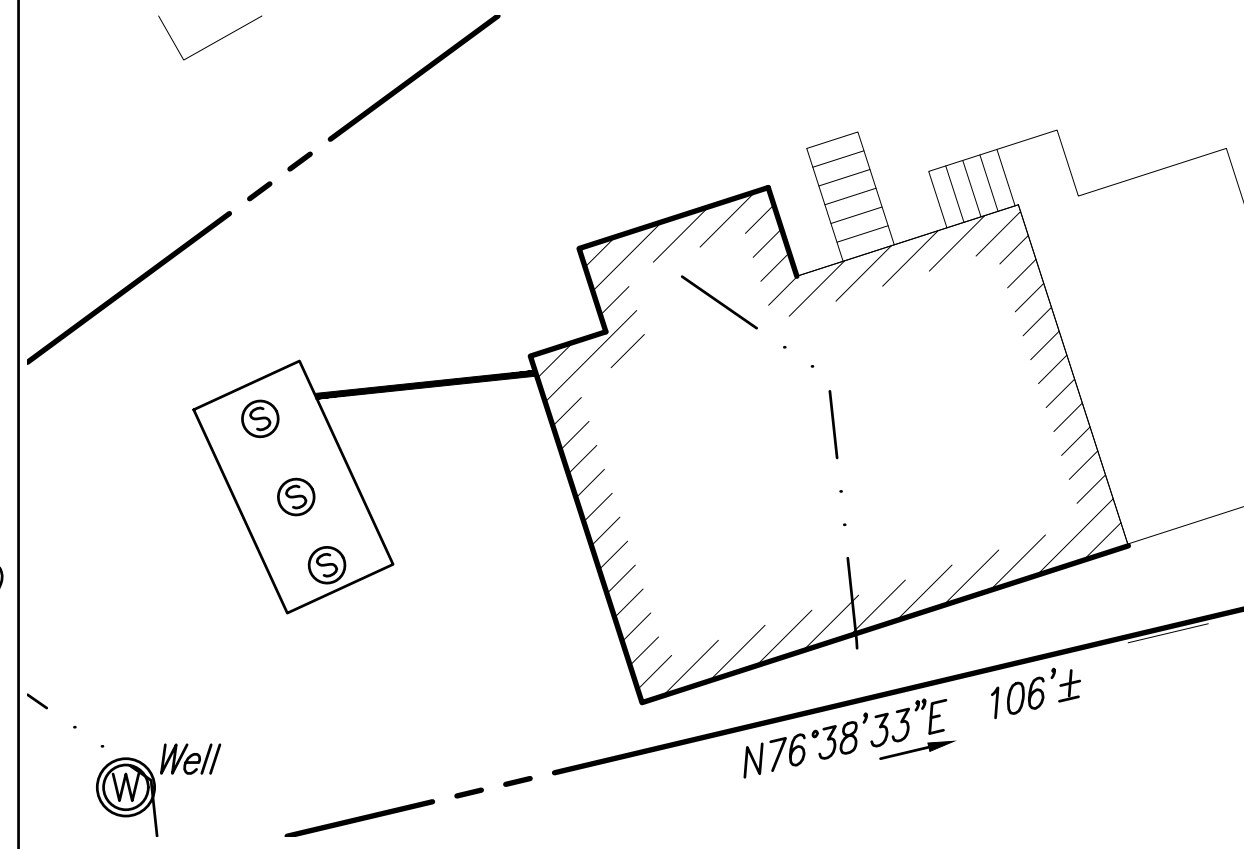
UPLIFT CALCULATION:
 $12.5' \times 6.5' \times 5.5' \times 62.4\text{LB/C.F.} = 27,885\text{ LB.}$
 WEIGHT OF TANK: 21,500 LB. (PER WACHUSETT PRECAST)
 WEIGHT OF SOIL BACKFILL:
 $3.0(\text{COVER}) \times 12.5' \times 6.5' \times 60\text{LB/C.F.} = 14,625\text{ LB}$
 $36,125\text{ LB} > 27,885\text{ LB OK}$

LOCAL UPGRADE APPROVALS

SEPTIC TANK LESS THAN 10' TO PROPERTY LINE: 7' PROVIDED
 SEPTIC TANK LESS THAN 100' TO PRIVATE WATER SUPPLY: 11' (#15 GRACE)
 SEPTIC TANK LESS THAN 100' TO PRIVATE WATER SUPPLY: 37' (#13 GRACE)

AS BUILT INFORMATION

SYSTEM INSPECTION DATE:
 SYSTEM CONSTRUCTED BY:

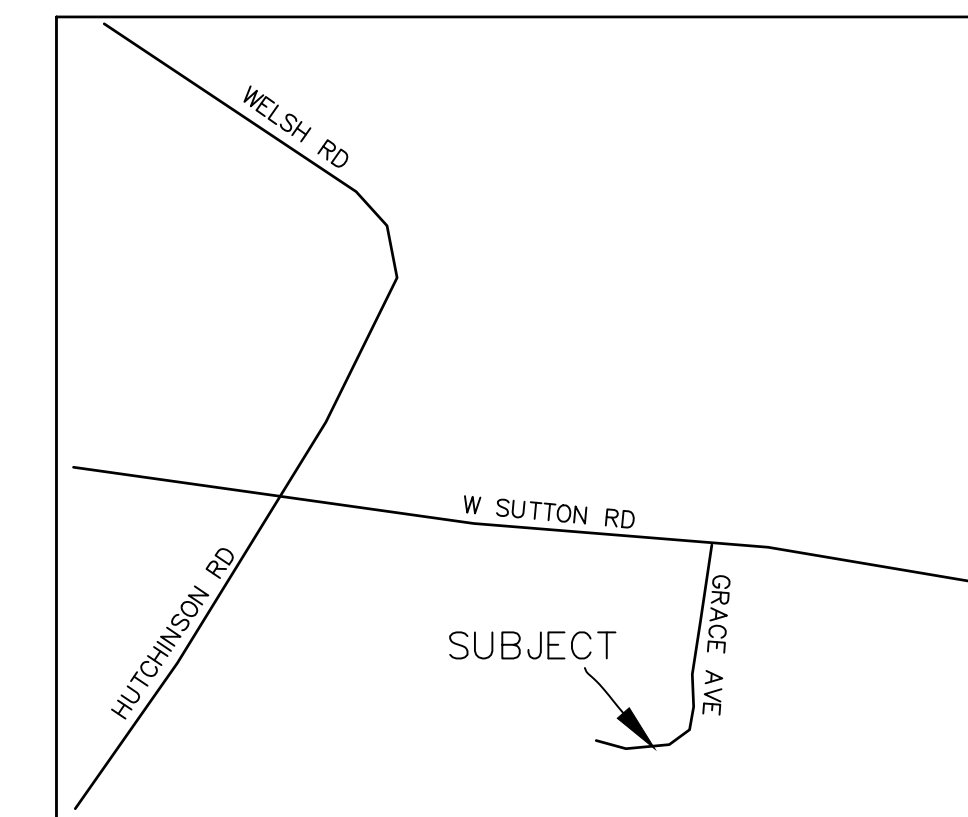


AS-BUILT TIES

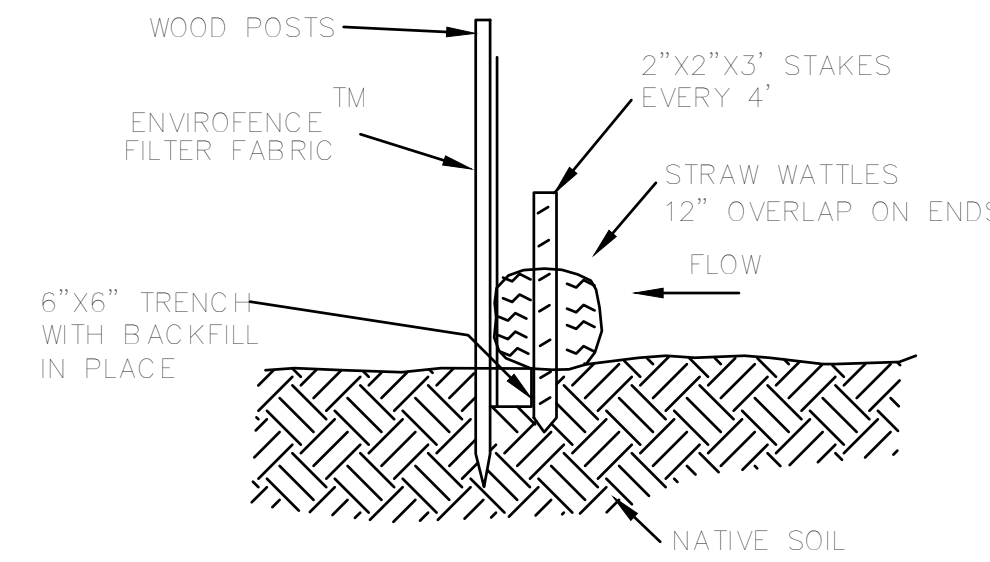
POINTS	DIST.
A-C	
B-C	
A-D	
B-D	
A-E	
B-E	
A-F	
B-F	
A-G	
B-G	
A-H	
B-H	

DIG-SAFE

PHONE # 877-344-7233



LOT LOCUS
 SCALE: NONE



EROSION CONTROL BARRIER
 SCALE: NONE

GENERAL NOTES

ALL WORK TO BE CONCEALED, MUST FIRST BE APPROVED BY HEALTH AGENT BEFORE SYSTEM MAY BE COVERED. SEPTIC TANK TO BE SET LEVEL & WATER TIGHT. PIPE FROM HOUSE TO SEPTIC TANK TO BE WATER TIGHT. COVER ON HOLDING SYSTEM TO BE CROWNED TO PREVENT SURFACE WATER FROM SETTING ON SYSTEM.

PUMPING CONTRACTOR TO BE LICENSED BY LOCAL BOARD OF HEALTH. PLACE OF DISPOSAL TO BE APPROVED BY LOCAL BOARD OF HEALTH PUMPING CONTRACTOR TO BE NOTIFIED IMMEDIATELY WHEN ALARM SOUNDS

TANK TO BE PRESSURE TESTED FOR WATER TIGHTNESS LIFT HOLES MUST BE PLUGGED.

WARNING DEVICE MAY BE PURCHASED FROM SCOTT ASSOCIATES INC. (1-617-365-6341)

TIGHT TANK TO BE PRECAST CONCRETE AS PER MASS. STATE CODE TITLE 5

WATER TO BE SUPPLIED BY OWNER

ALL SITE WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH TITLE 5 OF THE STATE ENVIRONMENTAL AND THE TOWN OF CHARLTON BOARD OF HEALTH RULES AND REGULATIONS.

ANY CONDITIONS DURING CONSTRUCTION THAT DIFFER FROM THOSE ENCOUNTERED DURING TESTING SHALL BE REPORTED TO DC ENGINEERING & SURVEYING INC. AND THE LOCAL BOARD OF HEALTH IMMEDIATELY.

THE PROPOSED SITE IS SUBJECT TO THE WETLANDS PROTECTION ACT.

THE PROPOSED PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD ZONE.

INSPECTIONS REQUIRED FOR ASBUILT CERTIFICATION

DIG SAFE TO NOTIFIED PRIOR TO CONSTRUCTION AT 1-888-DIGSAFE.

INSTALL MAGNETIC TAPE OVER ALL SYSTEM COMPONENTS.

HYDRAULIC CEMENT IS REQUIRED TO SEAL ALL CONNECTIONS.

ADDITIONAL REQUIREMENTS PRIOR TO SUBMITTING TO DEP.

1.) BOARD OF HEALTH MUST CERTIFY IN WRITING TO DEP. THAT THEY WILL MONITOR THE SYSTEM TO INSURE IT IS BEING MAINTAINED PROPERLY.

2.) PUMPING CONTRACTOR MUST SUPPLY A LETTER FROM APPLICABLE SEWAGE TREATMENT PLANT STATING THEY WILL ACCEPT SEWAGE FROM THIS SYSTEM

3.) SAID SEWAGE TREATMENT PLANT MUST BE ACCEPTABLE TO DEP.

4.) MAINTENANCE CONTRACT TO BE SUBMITTED TO BOARD OF HEALTH

DESIGN CRITERIA

TYPE OF ESTABLISHMENT	RESIDENTIAL - 2 BEDROOM (PER ASSESSOR)
DESIGN FLOW	110 GPD PER BEDROOM = 220 GPD
TIGHT TANK CAPACITY	500% OF 220 GPD = 1100 GALLONS 2,000 GALLON MIN TANK REQUIREMENT

PUMPING CONTRACTOR

(TO BE ASSIGNED BY OWNER)

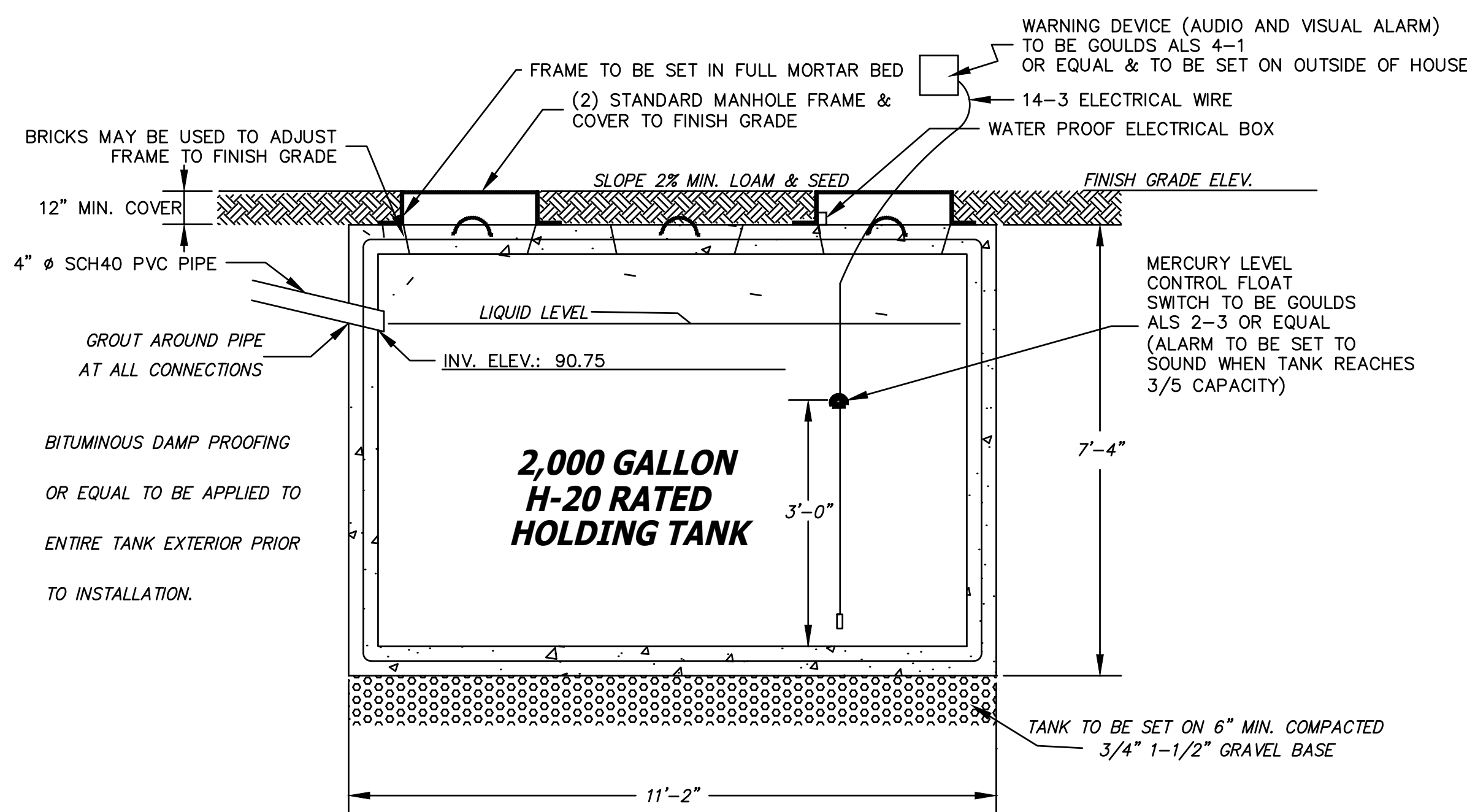
PROPOSED DISPOSAL AREAS

(TO BE ASSIGNED BY OWNER)

TEST PIT DATA

SOIL EVALUATOR: JASON DUBOIS
 WITNESSED BY: STEVE DONATELLI
 DATE: 3/5/2020
 APPLICANT: M. E. JOHNSON TRUST NO 1

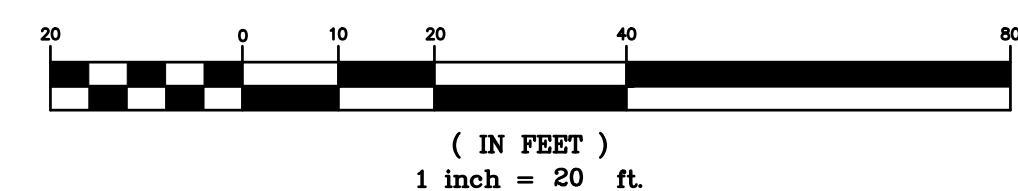
TEST PIT # 1	TEST PIT # 2
0'-6" A SL 10YR 3/3	0'-6" A SL 10YR 3/3
6'-20" B SL 10YR 5/6	6'-20" B SL 10YR 5/6
20'-114" C SL 2.5Y 5/3	20'-114" C SL 2.5Y 5/3
REDOX @ 42"	REDOX @ 42"
GROUND WATER ELEV (OBSERVED) N/A	GROUND WATER ELEV (OBSERVED) N/A
MOTTUNG ELEV (OBSERVED) .42"	MOTTUNG ELEV (OBSERVED) .42"
REFUSAL ELEV N/A	REFUSAL ELEV N/A



DETAIL OF HOLDING SYSTEM

SCALE = NONE

GRAPHIC SCALE

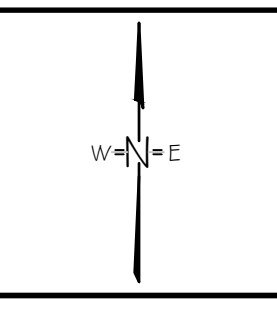


JASON D. DUBOIS, P.E.
 PROFESSIONAL ENGINEER
 M.A.L.I.C. NO.: 48724

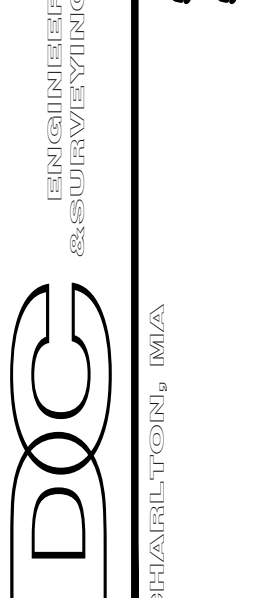
JEREMY S. CROTEAU, P.L.S.
 PROFESSIONAL LAND SURVEYOR
 M.A.L.I.C. NO.: 48722

NO.	DATE	REVISION

NORTH



506-799-0000
 506-341-2127



CLIENT: M.E. JOHNSON TRUST NO 1
 41 BLOSSOM SQ
 HOLDEN, MA 01520
 DRAWN BY: JDD
 CK'D BY: JDD
 DATE: 5-27-20
 PROJECT #: 20-156

TIGHT TANK PLAN
 SCALE: 1"=20'
 DWG. NO.: S-1