

VICINITY MAP
NO SCALE



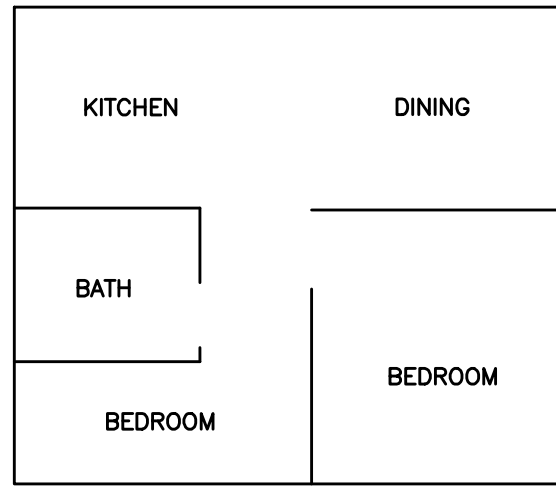
LOCAL UPGRADE APPROVAL REQUESTS

310 CMR 15.405(1)(a): A REDUCTION IN THE REQUIRED SETBACK FROM A PROPERTY LINE TO A TIGHT TANK FROM 10' (REQ'D) TO 0'(PROP.)

310 CMR 15.405(1)(g): A REDUCTION IN THE REQUIRED SETBACK FROM A WATER SERVICE TO A TIGHT TANK FROM 10' (REQ'D) TO 5.2'(PROP.)

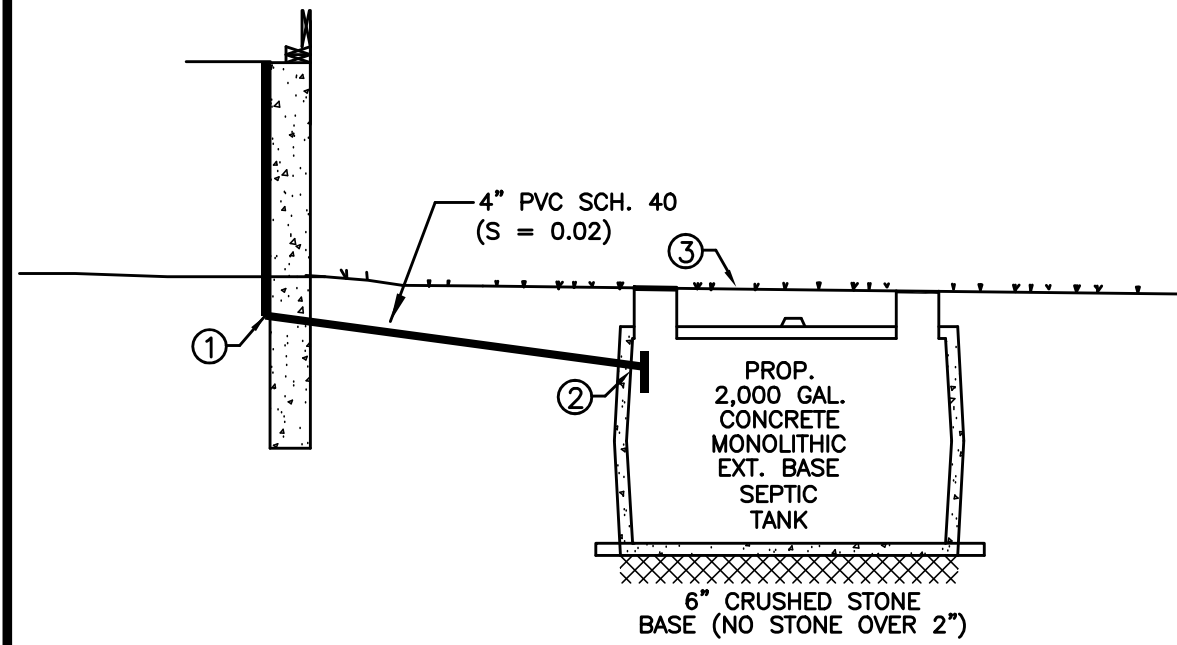
VARIANCE REQUEST

310 CMR 15.211(5): TO ALLOW THE TIGHT TANK BEYOND A PROPERTY LINE OF THE FACILITY.



FLOOR PLAN

N.T.S.



PROFILE

NOT TO SCALE

SCHEDULE OF ELEVATIONS

- INV. OF PIPE AT PILING ELBOW = 9.65 (MIN.)
- INV. OF 4" PVC PIPE AT TIGHT TANK INLET = 9.5
- FINISHED GRADE OVER TIGHT TANK = 11.5 (MIN.) - 13.5 (MAX.)

GENERAL NOTES

- SEPTIC SYSTEM INSTALLATION CONTRACTORS SHALL BE LICENSED BY THE BOARD OF HEALTH AND MUST COMPLY WITH ALL REQUIREMENTS OF THE BOARD OF HEALTH DISPOSAL WORKS CONSTRUCTION PERMIT AND ANY CONDITIONS, IF ISSUED BY THE CONSERVATION COMMISSION.
- ALL CONSTRUCTION MUST COMPLY WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE 310 CMR 15 & THE ANY LOCAL BOARD OF HEALTH SUPPLEMENTAL REGULATIONS.
- THERE SHALL BE NO CHANGES MADE IN THIS PLAN WITHOUT THE WRITTEN PERMISSION OF THE BOARD OF HEALTH AND DESIGN ENGINEER.
- ANY CHANGE IN SITE CONDITIONS, DISCREPANCIES, ERRORS OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF MORSE ENGINEERING PRIOR TO THE COMMENCEMENT OF WORK.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH TITLE 5 (310 CMR 15) AND THE LOCAL BOARD OF HEALTH REQUIREMENTS TO THE FULLEST EXTENT PRACTICABLE. NO GUARANTEE TO THE SYSTEMS PERFORMANCE IS EXPRESSED OR IMPLIED.
- THE CONTRACTOR SHALL NOTIFY DIGSAFE PRIOR TO ANY EXCAVATION AT THE SUBJECT PROPERTY. IT IS SPECIFICALLY CAUTIONED THAT THE SUBSURFACE UTILITIES SHOWN ARE APPROXIMATE ONLY AND HAVE BEEN COMPILED FROM AVAILABLE RECORDS AND OBSERVABLE SITE FEATURES. UTILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT AT THIS LOCATION.

CONSTRUCTION NOTES

- CONTRACTOR SHALL COORDINATE INSPECTION TIMES WITH THE LOCAL BOARD OF HEALTH AND DESIGN ENGINEER 24-HOURS IN ADVANCE OF THE FOLLOWING INSPECTIONS:
 - AFTER EXCAVATION OF TIGHT TANK HOLE.
 - AFTER PLACEMENT OF THE TIGHT TANK AND PLUMBING TO THE DWELLING, PRIOR TO BACKFILL.
 - AFTER TANK BACKFILL AND GRADING & TO VERIFY ALARM OPERATION.

- ALL CONSTRUCTION MUST COMPLY WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE 310 CMR 15 & THE ANY LOCAL BOARD OF HEALTH SUPPLEMENTAL REGULATIONS.
- ALL TIGHT-JOINT PLUMBING SHALL BE CONSTRUCTED OF SCH. 40 PVC PIPE WITH CLEANED AND CEMENTED FITTINGS, UNLESS OTHERWISE NOTED.
- ALL PRECAST/PIPE CONSTRUCTION JOINTS AND FITTINGS SHALL BE MADE WATERTIGHT BY PARGING WITH HYDRAULIC CEMENT.
- THE CONTRACTOR SHALL INSTALL MAGNETIC TAPE OVER SYSTEM PIPING & COMPONENTS FOR FUTURE SUBSURFACE LOCATION.
- THE DESIGN ENGINEER SHALL CERTIFY AND PREPARE AN "AS-BUILT" PLAN FOR SUBMITTAL TO THE BOARD OF HEALTH UPON SEPTIC SYSTEM COMPLETION.
- ALL DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.

SITE NOTES

- LOCUS DOES NOT LIE WITHIN A DEP DESIGNATED ZONE II RESOURCE AREA.
- ALL KNOWN WETLANDS WITHIN 100 FEET OF THE PROPOSED SEWAGE SYSTEM.
- PROPERTY LINE DATA WAS OBTAINED FROM LAND COURT CERTIFICATE #98312 AND RECORDED PLANS ON FILE AT THE PLYMOUTH COUNTY REGISTRY OF DEEDS.
- THERE WERE NO KNOWN ACTIVE/POTABLE WELLS OBSERVED WITHIN 100' OF THE PROPOSED SYSTEM.
- LOCUS LIES IN FEMA ZONE "VE" AS SHOWN ON FEMA COMMUNITY MAP PANEL 250213C 0128K DATED NOVEMBER 4, 2016. ZONE "VE" IS A SPECIAL FLOOD HAZARD AREA.
- THE SUBJECT PROPERTY IS LOCATED IN THE SCITUATE FLOOD PLAN & WATERSHED PROTECTION DISTRICT.
- EXISTING TOPOGRAPHY IS THE RESULT OF A FIELD SURVEY ON OCTOBER 26, 2020.

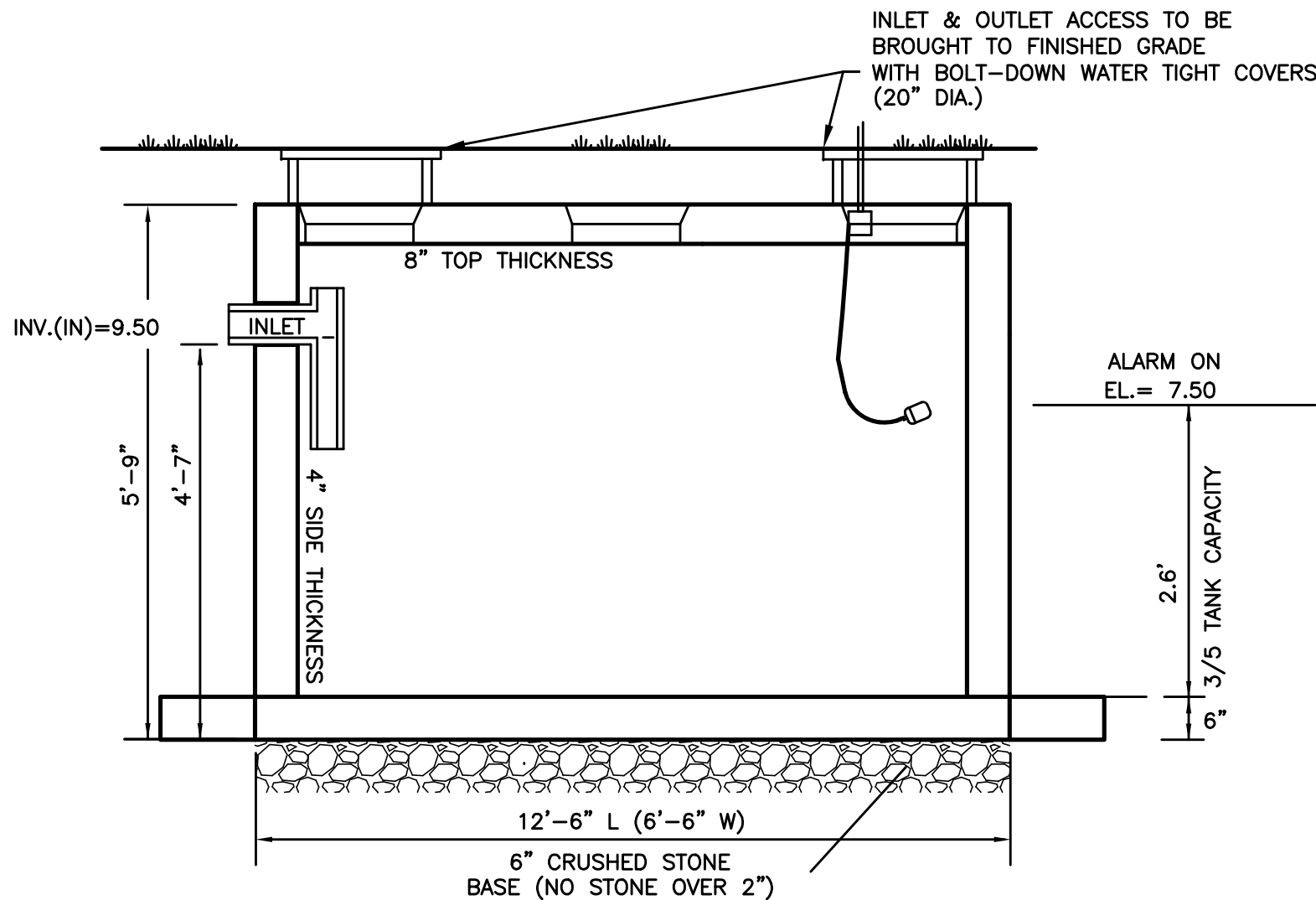
TIGHT TANK NOTES:

- TANK TO BE H-20 RATED.
- TANK SHALL BE WATERPROOF AND WATERTIGHT. EXTERIOR OF TANK TO BE COATED WITH WATERPROOF TAR.
- AUDIO & VISUAL ALARMS SHALL BE SET TO ACTIVATE AT 3/5 TANK CAPACITY.
- CONTROL PANEL (SIMPLEX OR EQUAL) TO BE MOUNTED INSIDE OF DWELLING.
- ALL ELECTRICAL TO BE PERFORMED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH LOCAL BUILDING AND ELECTRICAL CODES AND INSPECTED BY TOWN OF SCITUATE ELECTRICAL INSPECTOR.
- TANK SHALL BE PUMPED ANNUALLY BY A LICENSED SEPTAGE HAULER OR WHENEVER THE 3/5 ALARM IS ACTIVATED.
- DWELLING TO BE OCCUPIED SEASONALLY. AT THE END OF EACH SEASON, TANK SHOULD BE PUMPED PRIOR TO CLOSE BY A LICENSED SEPTIC HAULER PERMITTED BY THE BOARD OF HEALTH.
- OPERATION & MAINTENANCE WILL OCCUR PRIOR TO OPENING PROPERTY, AT CLOSING FOR THE SEASON & ON REQUEST BY THE BOARD OF HEALTH.
- THE CONSERVATION COMMISSION & BOARD OF HEALTH SHALL BE NOTIFIED PRIOR TO ANY FUTURE WORK ON THE PROPERTY AND/OR REPAIRS MADE TO THE TIGHT TANK.
- BACKFILL FOR THE TIGHT TANK SHALL CONSIST OF OFF-SITE COMPATIBLE MATERIAL WITH MINIMAL IMPACT ON THE COASTAL RESOURCE AREA.

TIGHT TANK DESIGN DATA

- BUILDING TYPE: RESIDENTIAL
DESIGN FLOW: 110 GPD/BEDROOM
NO. OF BEDROOMS = 2 (3 MIN. REQUIRED BY TITLE 5)
5 BEDS X 110 GPD/BEDROOM = 330 GPD (GALLONS PER DAY)
- TIGHT TANK DESIGN REQUIREMENT: 500% DESIGN FLOW
REQUIRED: 330 X 5 = 1,650 GAL.
PROVIDE: 2,000 GAL. TIGHT TANK
- *THIS SYSTEM DESIGN DOES NOT ALLOW FOR THE USE NOR INSTALLATION OF ANY GARBAGE DISPOSALS.

2,000 GALLON H-20 MONOLITHIC. EXT. BASE TIGHT TANK



ZONING TABLE - PARCEL 55-8-1

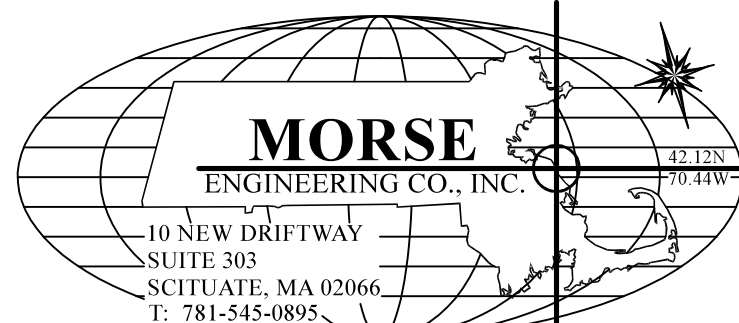
CRITERIA	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA:	10,000 S.F.	6,850 S.F.	NO CHANGE
FRONTAGE (FT.)	100 FT.	43.68 FT.	NO CHANGE
FRONT YARD SETBACK (FT.)	30 FT.	8.3 FT.	NO CHANGE
SIDE YARD SETBACK (FT.)	8 FT.	2.2 FT.	4.8 FT.
REAR YARD SETBACK (FT.)	20 FT.	119.9 FT.	159.0 FT.
LOT WIDTH	100 FT.	38 FT.	NO CHANGE
GROSS FLOOR AREA	-	1,698 S.F.	530 S.F. (-69%)

DEED RESTRICTION REQUIRED

OPERATION & MAINTENANCE CONTRACT REQUIRED



PREPARED BY:



PROJECT:	TIGHT TANK DESIGN PLAN 48 TOWN WAY EXT. ASSESSOR'S PARCEL: 55-8-1 SCITUATE, MASSACHUSETTS	DESIGN: PGG CHECK: JMH JOB NO: 19-274
APPLICANT:	BILL SLOCUM 69 TURNPIKE STREET CANTON, MA 02021	DATE: 11/13/19 REV: 2/12/2020 2/24/2020 10/25/2020 10/28/2020
PLAN TITLE:	TIGHT TANK DESIGN PLAN	SHEET: 1

*REVISED 2/12/2020 PER BOARD OF HEALTH COMMENTS.
*REVISED 2/24/2020 PER CONSERVATION COMMISSION & B.O.H. COMMENTS.
*REVISED 10/25/2020 PER SEPTIC TIGHT TANK LOCATION.
*REVISED 10/28/2020 PER CONSERVATION COMMISSION.