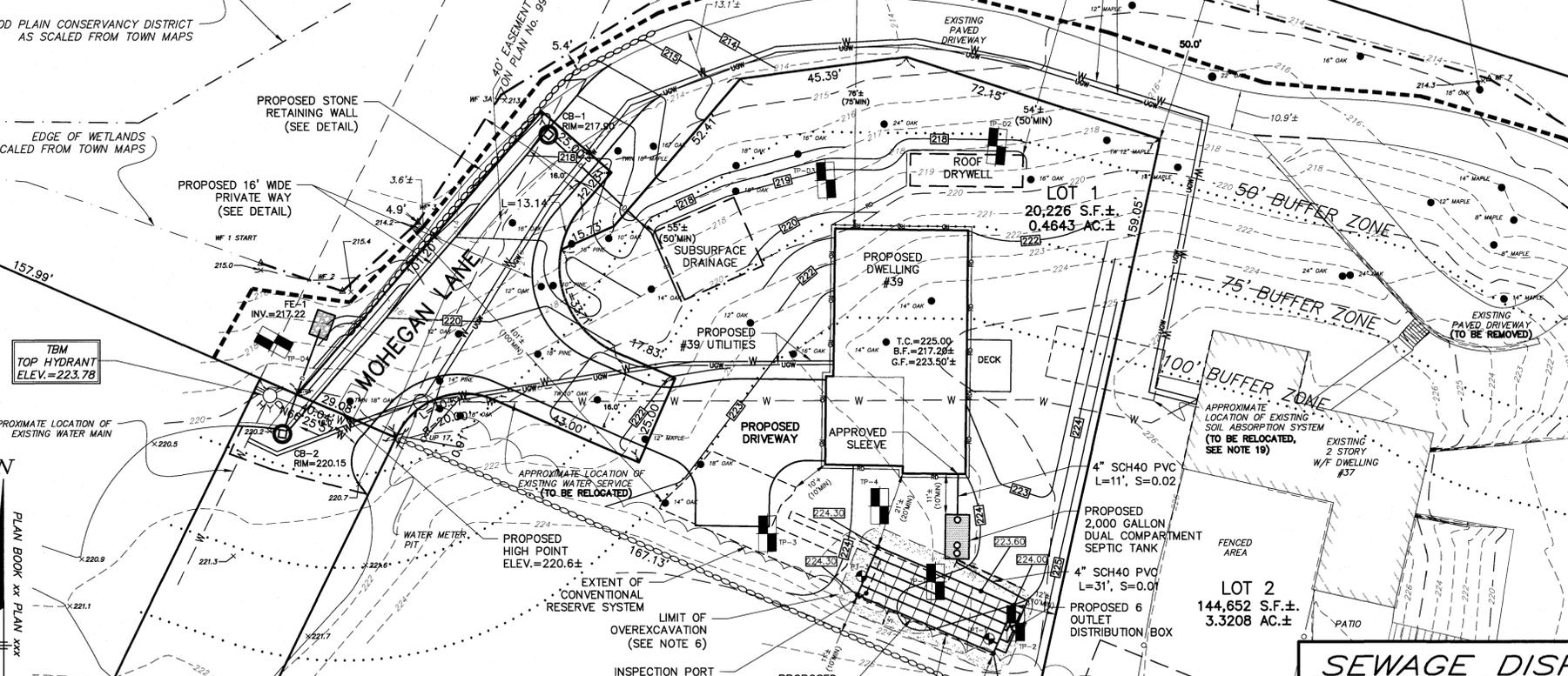
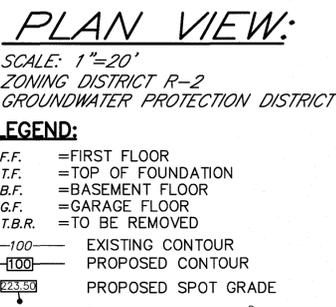


- ### NOTES:
- THIS PLAN IS FOR THE DESIGN AND CONSTRUCTION OF A SEWAGE DISPOSAL FACILITY ONLY.
 - ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CURRENT TITLE 5 REGULATIONS AND ACTON BOARD OF HEALTH REGULATIONS.
 - IF ALTERATIONS (REMOVAL OF VEGETATION, GRADING, EXCAVATIONS, ETC.) ARE TO BE MADE WITHIN 100 FEET OF WETLAND AREAS (PONDS, BROOKS, SWAMPS, ETC.), A REQUEST FOR DETERMINATION OF APPLICABILITY OF THE WETLANDS PROTECTION ACT (c131, s40) SHOULD BE FILED WITH THE TOWN'S CONSERVATION COMMISSION. THE FILING OF A NOTICE OF INTENT MAY BE REQUIRED.
 - ACCEPTABLE MATERIAL SPECIFICATIONS FOR DISTRIBUTION LINES: PVC-SCHEDULE 40 (ASTM D 1785 & D 2665), SDR 35 (ASTM D 3034), ABS-SCHEDULE 40 (ASTM F 628), HDPE-SHALL MEET OR EXCEED ASTM F 810 FOR SMOOTHWALL POLYETHYLENE PIPE FOR USE IN DRAINAGE AND WASTE DISPOSAL FIELDS. SCHEDULE 40 PVC SHALL BE USED IN AREAS SUBJECT TO VEHICULAR TRAFFIC.
 - FINISHED GRADES OVER THE LEACHING AREA SHALL HAVE A MINIMUM SLOPE OF 2%.
 - ALL TOP, SUBSOIL, FILL, BOULDERS, AND OTHER MATERIALS UNDER AND WITHIN 5' OF THE PROPOSED LEACHING AREA SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL ACCORDING TO TITLE V (2006) SECTION 15.255 "CONSTRUCTION IN FILL".
 - PER TITLE 5 REQUIREMENTS, THE DESIGN ENGINEER IS REQUIRED TO INSPECT CONSTRUCTION OF THE SEPTIC SYSTEM AND CERTIFY THAT THE SYSTEM IS CONSTRUCTED ACCORDING TO THE PLANS, LOCAL REGULATIONS, AND TITLE 5. IN MOST INSTANCES THE DESIGN ENGINEER IS ALSO REQUIRED TO PREPARE AN "AS-BUILT" PLAN. UNLESS OTHERWISE SPECIFICALLY STATED IN WRITING IN THE CONTRACT BETWEEN OWNER AND INSTALLER, THE INSTALLER SHALL BE RESPONSIBLE FOR COORDINATING INSPECTIONS WITH THE DESIGN ENGINEER AND PAY FOR THESE SERVICES. NOTIFYING THE DESIGN ENGINEER DOES NOT RELIEVE THE OWNER OR INSTALLER FROM THE RESPONSIBILITY OF HAVING THE REQUIRED INSPECTIONS ETC. BY THE BOARD OF HEALTH.
 - THE FIRST TWO FOOT SECTIONS OF PIPE FROM THE D-BOX SHALL BE SET LEVEL.
 - THE SYSTEM, INCLUDING SEPTIC TANK, SHALL BE STAKED AND A BENCHMARK SET IN THE FIELD BY THE DESIGN ENGINEER.
 - ALL UNDERGROUND UTILITIES SHOWN HERE WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, OR PAVEMENT RESTORATION OR REPAIR. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED, INCLUDING THOSE IN CONTROL OF UTILITIES. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG SAFE TELE. NO.: 1-888-344-7233.
 - UNLESS OTHERWISE SHOWN, THERE ARE NO KNOWN WELLS WITHIN 150' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
 - ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
 - ALL DISTURBED SURFACES SHALL BE RESTORED WITH 4" OF LOAM AND SEED.
 - IF ZABEL EFFLUENT TEE FILTER IS INSTALLED IT SHALL BE IN COMPLIANCE WITH APPROVAL ISSUED AUGUST 11, 1997. ALL SEWER MANHOLES AT FINISHED GRADE SHALL BE SECURED TO PREVENT UNAUTHORIZED ACCESS. COVER SHALL BE PERMANENTLY MARKED "EFFLUENT TEE FILTER".
 - THE INFILTRATOR SYSTEM HAS BEEN CERTIFIED FOR GENERAL USE. THIS SYSTEM SHALL BE INSTALLED AND OPERATED IN COMPLIANCE WITH THE MODIFIED CERTIFICATION FOR GENERAL USE REVISED: JUNE 12, 2015. AS THE DESIGNER OF RECORD, WE CERTIFY WE HAVE RECEIVED THE REQUIRED TRAINING AND THE PLAN IS IN ACCORDANCE WITH THE LATEST DEP 1/A APPROVAL.
 - FINISHED GRADE OVER LEACHING AREA SHALL HAVE MINIMUM SLOPE OF 2%.
 - MANHOLES TO GRADE SHALL BE SECURED AGAINST UNAUTHORIZED ACCESS.
 - THIS SEPTIC SYSTEM IS NOT DESIGNED FOR A GARBAGE GRINDER.
 - THE EXISTING SEPTIC TANK FOR #37 SHALL BE PUMPED DRY, BOTTOM RUPTURED AND BACKFILLED WITH CLEAN SAND IN ACCORDANCE WITH TITLE V, SECTION 15.354 "ABANDONMENT OF SYSTEMS" OR DISPOSED OFFSITE. IF #37 EXISTING LEACH FIELD IS ENCOUNTERED, SOIL SPOILS MAY BE PLACED AS GENERAL FILL WITH ONE FOOT OF COVER. THE REMAINDER OF THE LEACH FIELD MAY BE ABANDONED IN PLACE. THE RELOCATION OF THE #37 SEWAGE DISPOSAL SYSTEM MUST BE COMPLETED BEFORE THE ABANDONMENT OF THE EXISTING SYSTEM.



INVERT ELEVATIONS

4" INV. @ BUILDING	= 222.14
4" INV. @ SEPTIC TANK (IN)	= 221.92
4" INV. @ SEPTIC TANK (OUT)	= 221.67
4" INV. @ D.BOX (IN)	= 221.36
4" INV. @ D.BOX (OUT)	= 221.19

AT LEACHING FACILITY:
 LEACHING FIELD SYSTEM

PRIMARY:
 INFILTRATOR CHAMBERS (SET LEVEL)
 TOP CHAMBER = 221.36
 4" INV. @ BEGIN CHAMBER = 220.97
 BOTTOM CHAMBER = 220.70

DESIGN DATA:

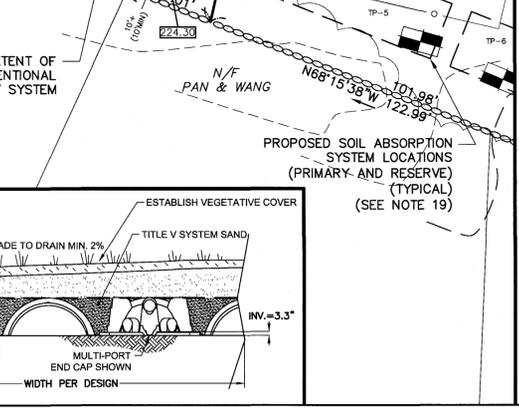
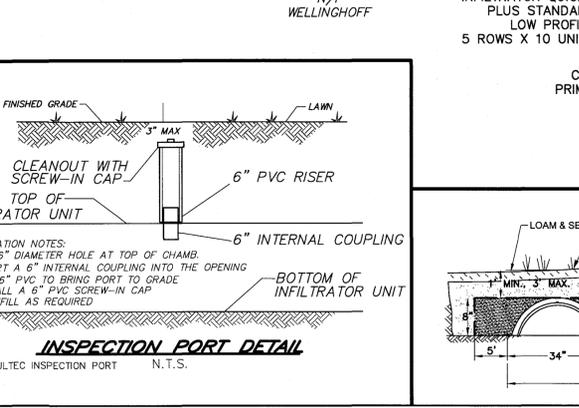
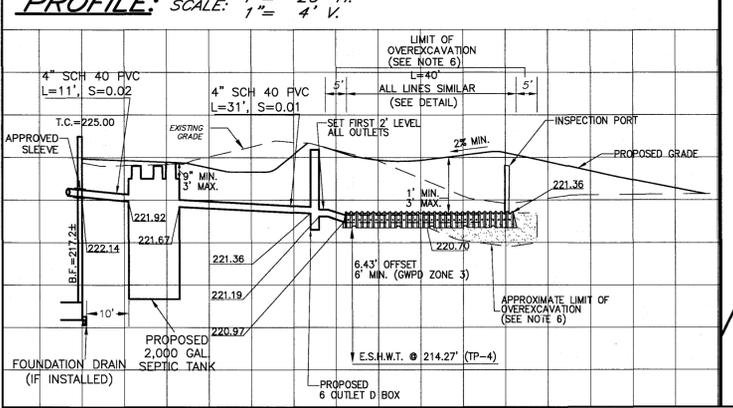
DESIGN FLOW:
 5 BR x 110 GPD/BR = 550 GPD
 NO GARBAGE DISPOSAL ALLOWED

REQUIRED SEPTIC TANK:
 REQUIRED: 1,100 & 550 GAL=1,650 GAL
 PROVIDED: 1,340 & 660 GAL=2,000 GAL

REQUIRED SIZE SOIL ABSORPTION SYSTEM: (PRIMARY & RESERVE)
 PT-1 = <2 MPI CLASS I SOIL
 550 GPD/0.74 GPD/S.F. = 743 S.F.
 ACTON BOH MIN=900 SF

TYPE AND SIZE OF SOIL ABSORPTION SYSTEM PROVIDED:
 PRIMARY:
 INFILTRATOR QUICK4 PLUS STANDARD LP BED CONFIGURATION
 50 SECTIONS X 4 LF/SECTION=200 LF
 200 LF + 10 END CAPS X 0.375"/CAP = 203.75 LF
 203.75 LF X 4.73 SF/LF = 963.74 S.F.
 963 S.F. > 900 S.F. O.K.
 (4.73 SF/LF FROM TABLE 3, GENERAL USE APPROVAL, SEE NOTE 15)

CONVENTIONAL PRIMARY & RESERVE TRENCHES:
 3 TRENCHES X 2'D X 2'W X 50'L
 3 X (2'+2'+2') X 50'=900 S.F.
 900 S.F. = 900 S.F. OK
 4' SPACING IN BETWEEN



SEWAGE DISPOSAL PLAN

PREPARED FOR: AARON B. JEANSON
 ADDRESS: 37 MOHEGAN ROAD
 ACTON, MA 01720

LOCATION: 37 MOHEGAN ROAD, LOT 1
 ACTON, MA 01720
 MAP D2, PARCEL 133

SCALE: AS SHOWN
 DATE: APRIL 1, 2016

PREPARED BY:
STAMSKI AND McNARY, INC.
 CIVIL ENGINEERS LAND SURVEYORS
 1000 MAIN STREET - ACTON, MA 01720
 (978) 263-8585

JOB No. SM-5443 FILE: 5443 SDS.DWG