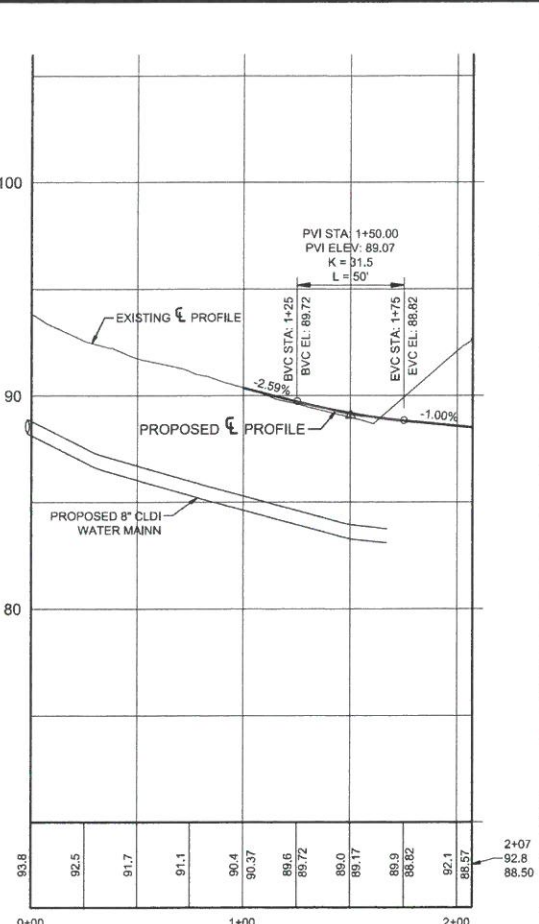
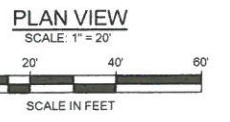
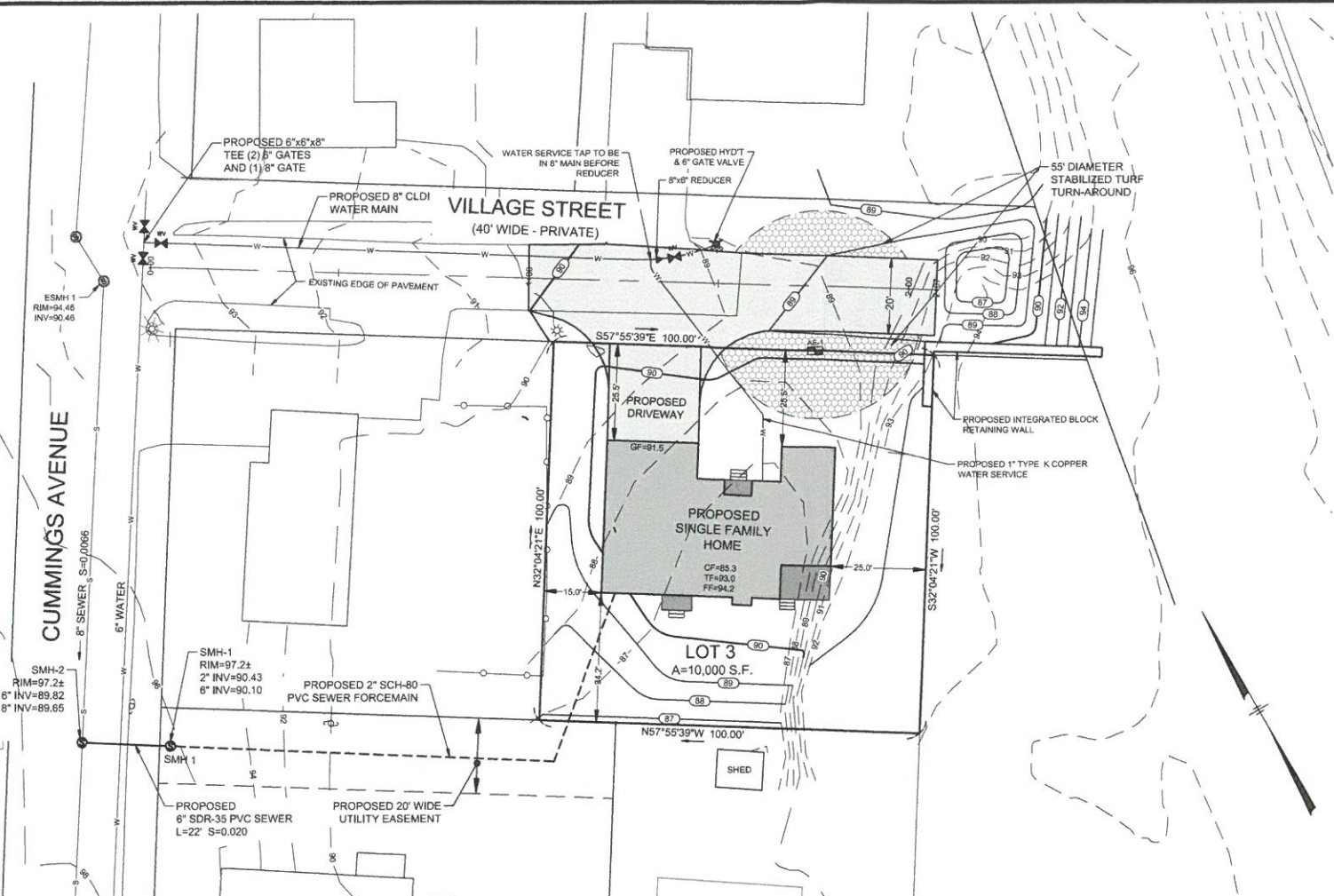


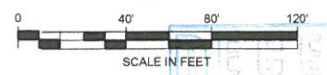
DEEP OBSERVATION HOLE AE-1
 DATE: 10/18/2019 SOIL EVALUATOR: MARK A. SLEGER, P.E.
 SURFACE EL.: 88.4 CITY AGENT: NOT PRESENT

DEPTH	LAYER	TEXTURE	COLOR	COMMENTS
0' - 90"	FILL			12" LAYER OF PEAT AT 48"
90" - 108"	C1	COARSE SAND	2.5Y/1	W/ GRAVEL
108" - 120"	C2	VERY FINE SAND	2.5Y/1	

REFUSAL ENCOUNTERED	SEEPAGE OBSERVED	STANDING WATER	DEPTH TO MOTTLES	DEPTH TO E.S.H.W.T.	ELEVATION OF E.S.H.W.T.
NONE	66"	NONE	60"	60"	83.4



VILLAGE STREET PROFILE VIEW
 SCALE: 1" = 40' (HOR) & 4' (VERT)



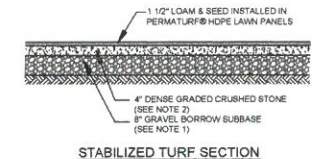
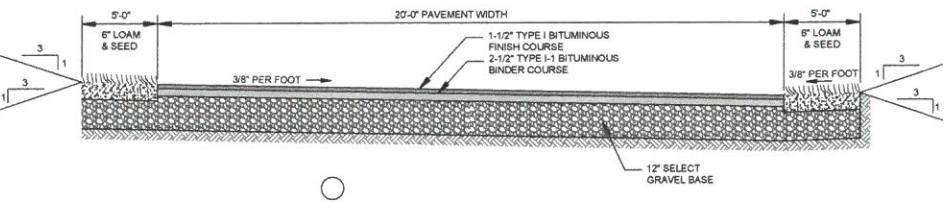
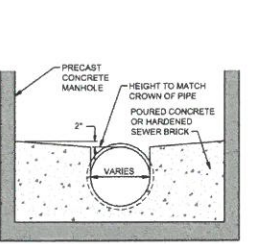
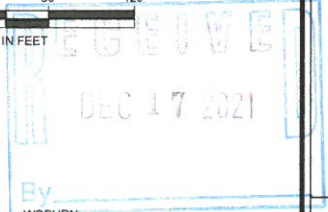
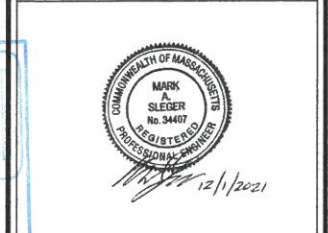
General Notes

- BOUNDARY INFORMATION WAS PROVIDED ELECTRONICALLY BY EDWARD J. FARRELL, P.L.S.
- TOPOGRAPHIC INFORMATION WAS PROVIDED ELECTRONICALLY BY EDWARD J. FARRELL, P.L.S. AND SUPPLEMENTED WITH A FIELD SURVEY BY ALAN ENGINEERING, L.L.C. AND ELECTRONIC DATA PROVIDED BY THE WOBURN ENGINEERING DEPARTMENT.
- ELEVATION SHOWN ARE BASED ON N.A.V.D. 1988
- THE SUBJECT PROPERTY IS IN THE RESIDENCE 2 (R-2) ZONING DISTRICT. PROPOSED USE: SINGLE FAMILY RESIDENCE. MINIMUM AREA: 12,000 S.F. MINIMUM FRONTAGE: 100' MINIMUM LOT WIDTH: 60' YARD SETBACKS: FRONT=25' SIDE=12' REAR=30'
- ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 2501700406E, EFFECTIVE DATE JUNE 4, 2010, THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A ZONE SPECIAL FLOOD HAZARD AREA.
- THE PROPOSED HOUSE ON LOT 3 IS TO BE SERVICED BY AN ENVIRONMENT ONE (EONE) MODEL DHO71 GRINDER PUMP STATION.

DEED REFERENCE
 MIDDLESEX SOUTH REGISTRY OF DEEDS
 BOOK 58420, PAGE 458

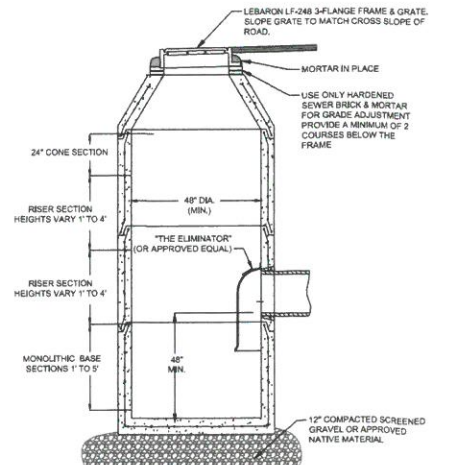
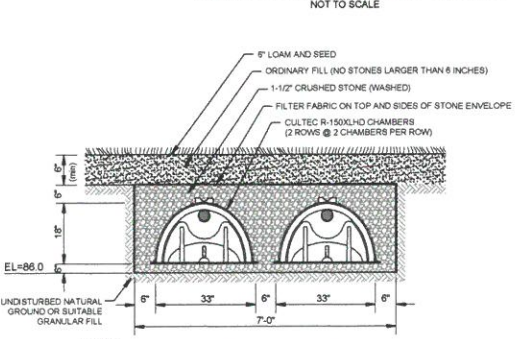
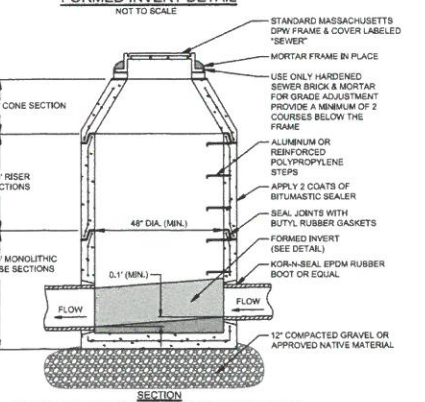
RECORD OWNERS
 FREDERICK J. GONSALVES, TR.
 GONSALVES FAMILY TRUST
 121 WINN STREET
 WOBURN, MA 01801

ASSESSORS REFERENCES
 MAP 42, BLOCK 04, LOT 34



NOT TO SCALE

- GRAVEL BORROW SUBBASE SHALL CONFORM TO SECTION M1.03.0 TYPE B OF THE LATEST EDITION OF THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. GRAVEL BORROW SUBBASE SHALL BE COMPACTED TO NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY OF THE MATERIAL AS DETERMINED BY THE STANDARD AASHTO TEST DESIGNATION T99 COMPACTION TEST METHOD AT OPTIMUM MOISTURE CONTENT.
- DENSE GRADED CRUSHED STONE SHALL CONFORM TO SECTION M2.01.1 OF THE LATEST EDITION OF THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. WITH THE APPROVAL OF THE CITY ENGINEER PROCESSED GRAVEL MEETING SECTION M1.03.1 MAY BE USED AS IN PLACE OF THE DENSE GRADED CRUSHED STONE.



NOTES:

- REMOVE ALL TOP AND SUBSOIL AND ANY ORGANIC OR OTHERWISE UNSUITABLE MATERIAL.
- THE BOTTOM OF THE EXCAVATION IS TO BE INSPECTED BY THE DESIGN ENGINEER OR WOBURN ENGINEERING DEPARTMENT PRIOR TO THE PLACEMENT OF THE FILTER FABRIC AND STONE ENVELOPE.
- CHAMBER TYPE AND MATERIAL MAY BE SUBSTITUTED WITH THE APPROVAL OF THE DESIGN ENGINEER.

WAIVERS:

THE FOLLOWING WAIVERS FROM THE WOBURN PLANNING BOARD SUBDIVISION RULES AND REGULATIONS ARE BEING REQUESTED:

II.E.3.q and III.E.4: TO NOT REQUIRE THE WATER MAIN TO BE LOOPED.

IV.B: TO ALLOW THE USE OF CORRUGATED HDPE DRAIN PIPE WITH LESS THAN 3 1/2 FEET OF COVER.

IV.E.1: TO NOT REQUIRE UNDERGROUND ELECTRIC AND TELECOMMUNICATIONS SERVICES.

IV.G.4: TO NOT REQUIRE CURBING ALONG THE EDGE OF THE ROADWAY.

IV.G.5: TO NOT REQUIRE SIDEWALKS.

VIII.A. SHORT CUL-DE-SAC CROSS SECTION.

NOTES:

- ALL EXISTING UTILITIES SHOWN ARE TAKEN FROM RECORD PLANS AND FIELD LOCATIONS OF SURFACE STRUCTURES. CONTRACTOR SHALL CONTACT DIG-SAFE 72 HOURS AND ALL NON-MEMBER UTILITY COMPANIES PRIOR TO ANY EXCAVATION.
- CONTRACTOR SHALL PERFORM WORK IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE WOBURN DEPARTMENT OF PUBLIC WORKS.
- CONTRACTOR IS TO COORDINATE ALL UTILITY INSTALLATIONS AND CONNECTIONS WITH THE RESPECTIVE UTILITY COMPANY.
- ALL STREET IMPROVEMENTS ARE TO BE COMPLETED IN ACCORDANCE WITH THIS PLAN. NO VARIATION FROM THE APPROVED PLAN IS PERMITTED WITHOUT WRITTEN APPROVAL OF THE WOBURN PLANNING BOARD.

THIS PLAN IS APPROVED SUBJECT TO A CERTIFICATE OF APPROVAL OF A DEFINITIVE SUBDIVISION PLAN AND A RESTRICTIVE COVENANT, BOTH RECORDED HERewith.

I, _____, CLERK OF THE CITY OF WOBURN HEREBY CERTIFY THAT NOTICE OF APPROVAL OF THIS PLAN HAS BEEN RECEIVED AND RECORDED WITH THIS OFFICE ON _____ AND THAT NO APPEAL OF SUCH HAS BEEN RECEIVED DURING THE 20 DAYS NEXT.

BY	REVISIONS	DATE

ROADWAY IMPROVEMENT PLAN
VILLAGE STREET
WOBURN, MA 01801

ALAN ENGINEERING, L.L.C.
 110 WINN STREET, SUITE 209
 WOBURN, MA 01801
 (781) 287-9789
 alan.eng@verizon.net

PREPARED FOR:
 FREDERICK J. GONSALVES
 121 WINN STREET
 WOBURN, MA 01801

JOB NO: 1180 DWG NO: 1680
 DECEMBER 1, 2021 1 of 1
 SCALE: AS SHOWN