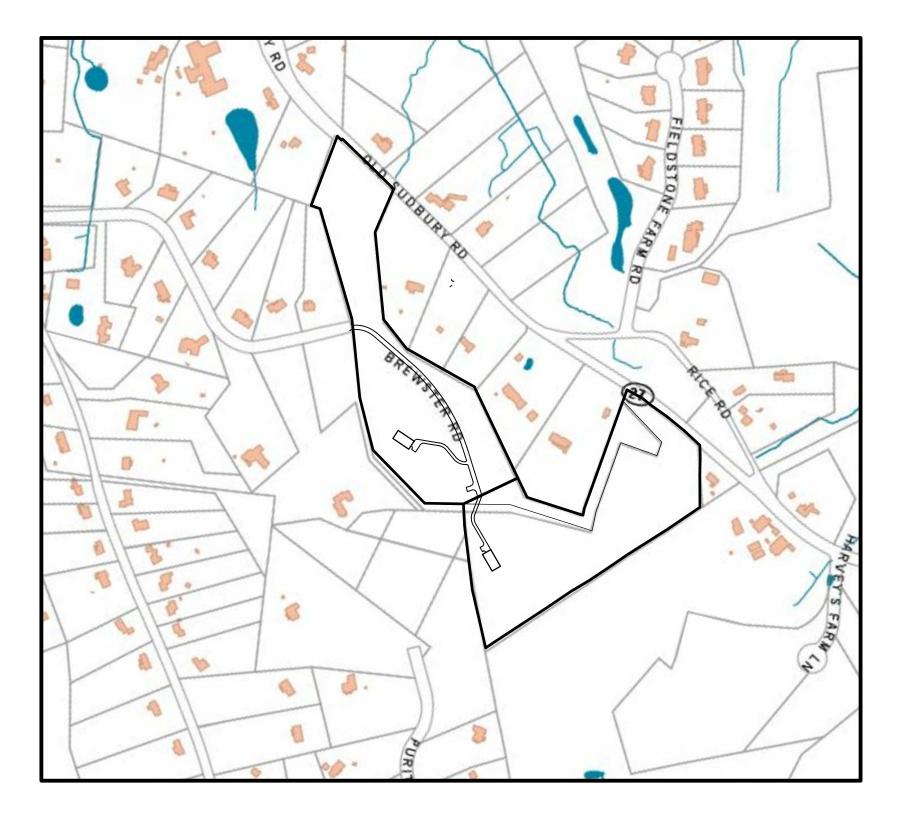
# COMMON DRIVEWAY PLAN 69-71 BREWSTER ROAD SUDBURY, MASSACHUSETTS

# PLAN INDEX

SHEET 1	COVER SHEET
SHEET 2 & 3	PLAN AND PROFILE
SHEET 4 - 6	GRADING AND DRAINAGE
SHEET 7	STORMWATER POLLUTION PREVENTION PLAN
SHEET 8	CONSTRUCTION DETAILS

APRIL 24, 2017 REV: AUGUST 1, 2017 REV: SEPTEMBER 6, 2017 REV: SEPTEMBER 15, 2017



LOCUS MAP SCALE: 1"=400'

### RECORD OWNER

AGUSTINA SUMITO, TRUSTEE LEEYA REALTY TRUST

#### REFERENCE

MIDDLESEX REGISTRY OF DEEDS SOUTH DISTRICT DEED BOOK 47283 PAGE 405

# ZONING DISTRICT

RESIDENCE C

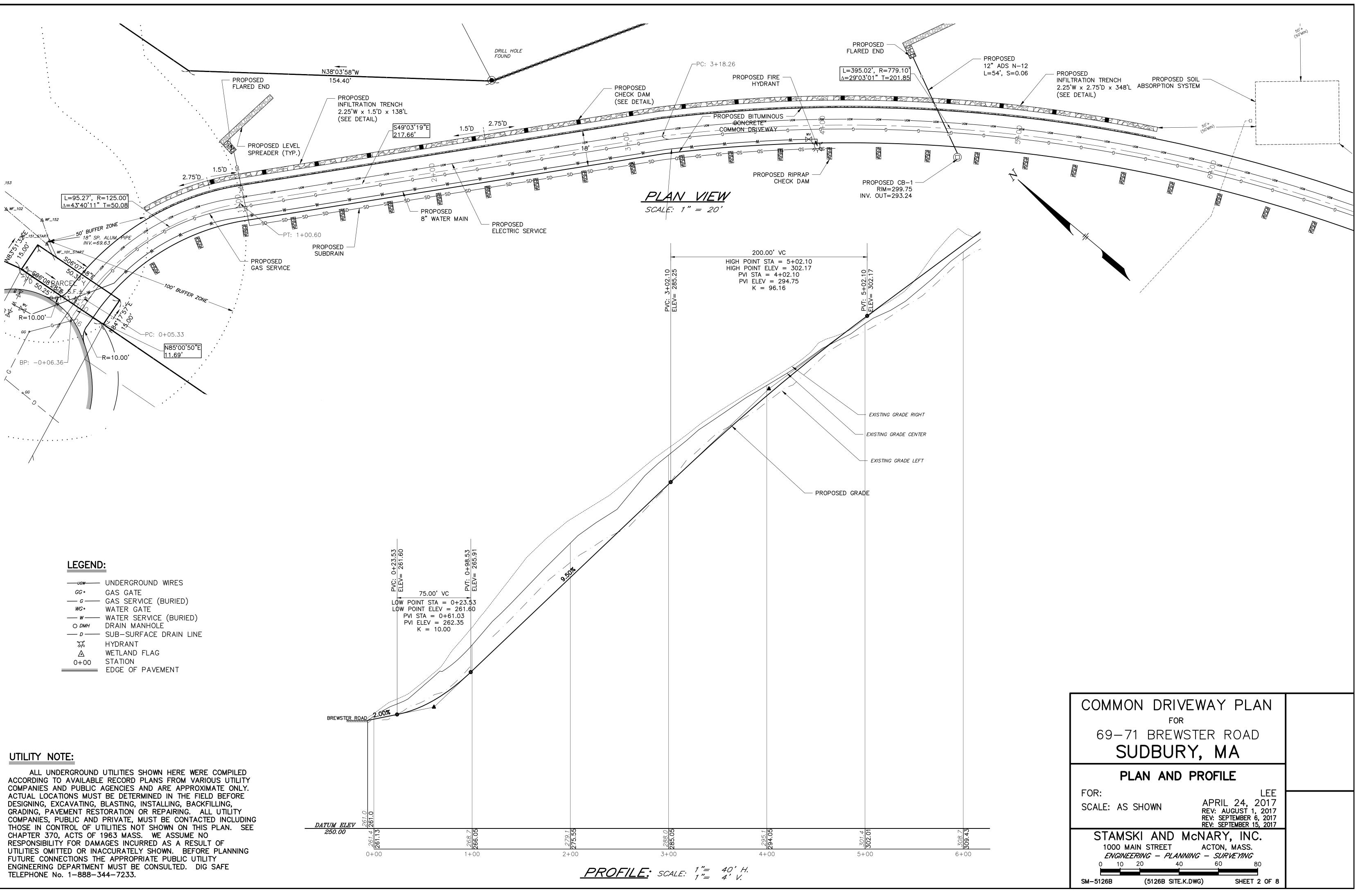
DATUM N.A.V.D. OF 1988



LOCUS PLAN SCALE: 1"=1,200'

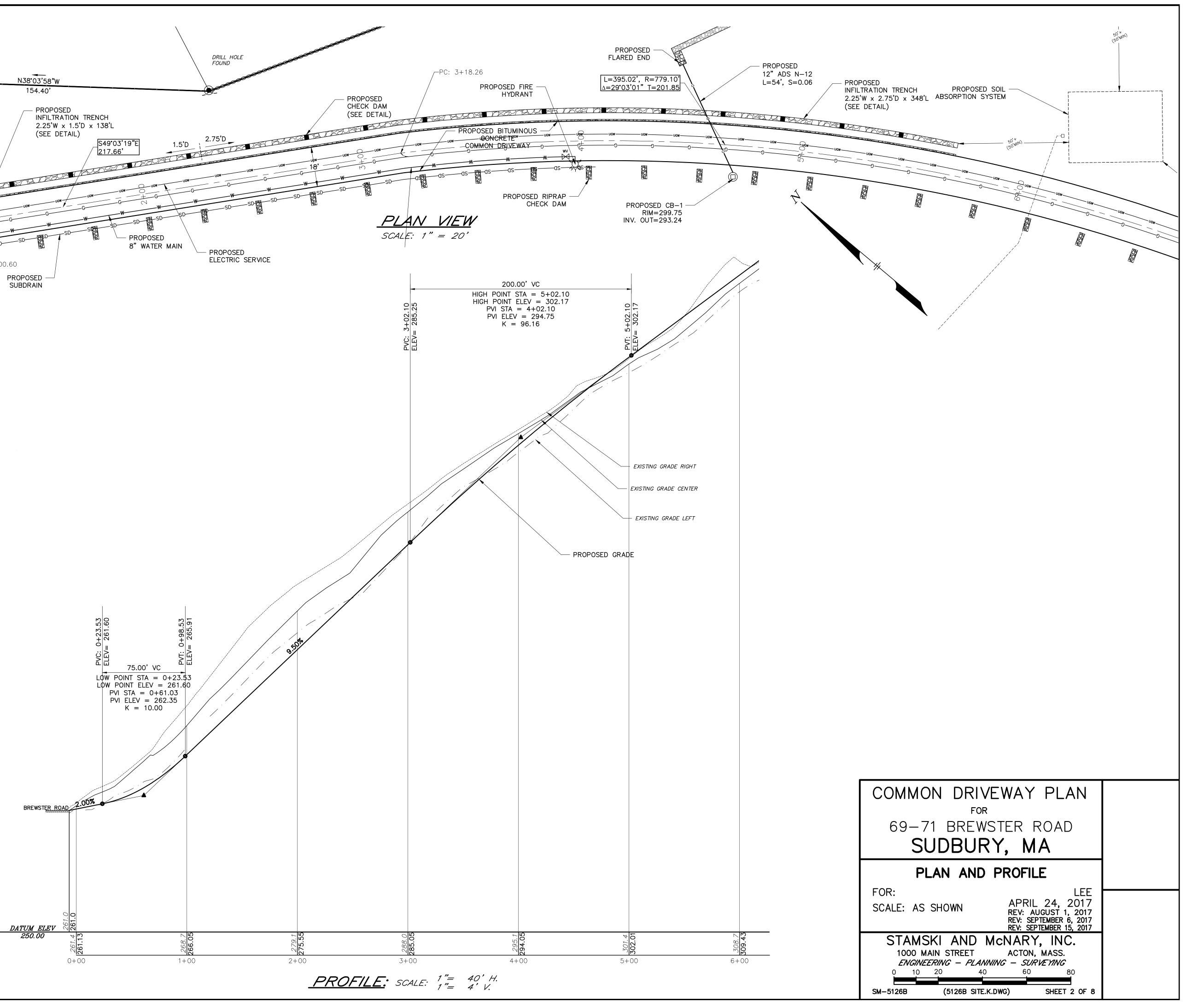
## ENGINEER/SURVEYOR

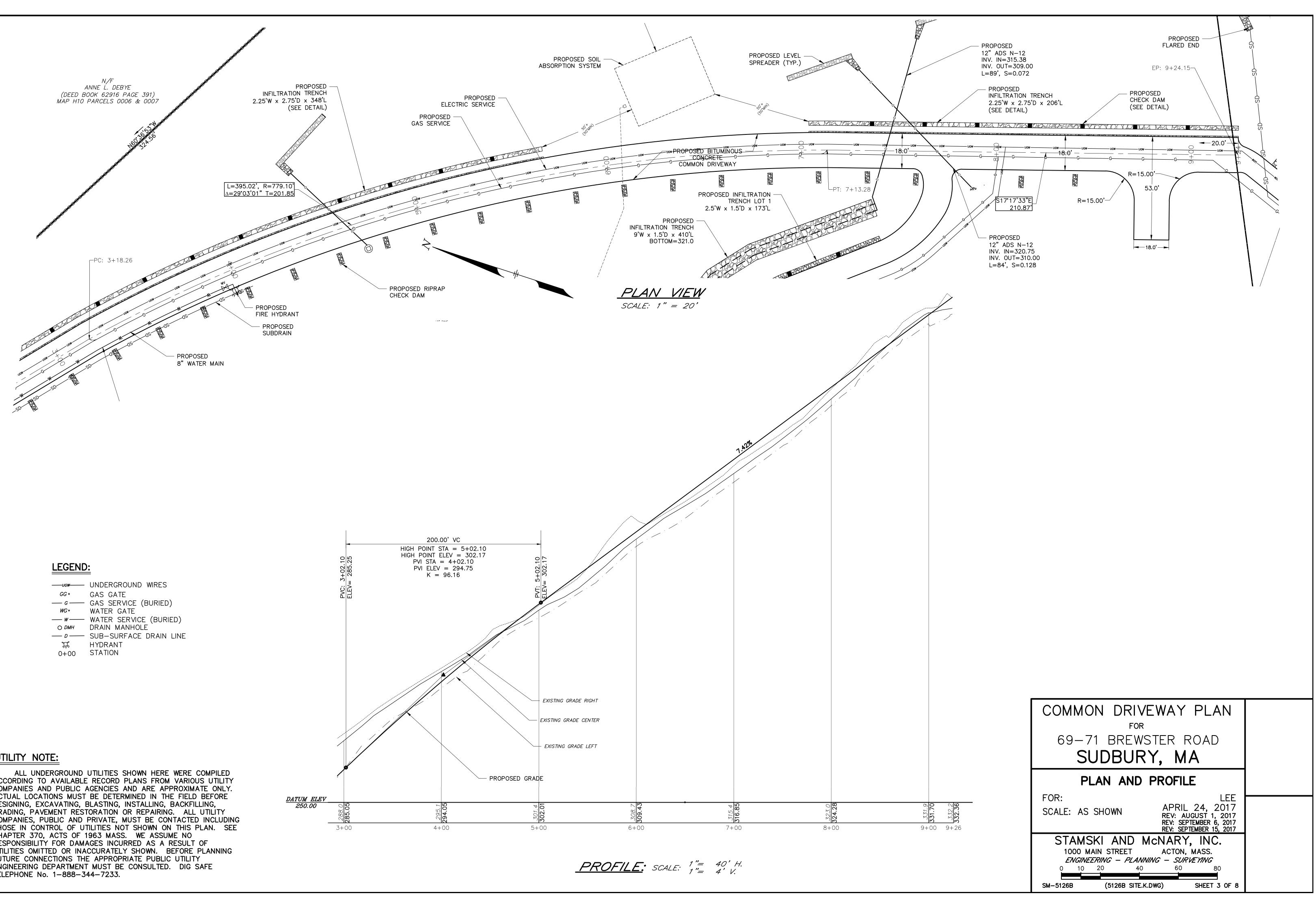
STAMSKI AND MCNARY, INC. 1000 MAIN STREET ACTON, MASSACHUSETTS 01720 (978) 263-8585



——UG <b>W</b> ———	UNDERGROUND WIRES
GG •	GAS GATE
<i>G</i>	GAS SERVICE (BURIED)
WG•	WATER GATE
— <i>w</i> ——	WATER SERVICE (BURIED)
⊖ DMH	DRAIN MANHOLE
<i>D</i>	SUB-SURFACE DRAIN LINE
Ъ.	HYDRANT
$\triangle$	WETLAND FLAG
0+00	STATION
	EDGE OF PAVEMENT

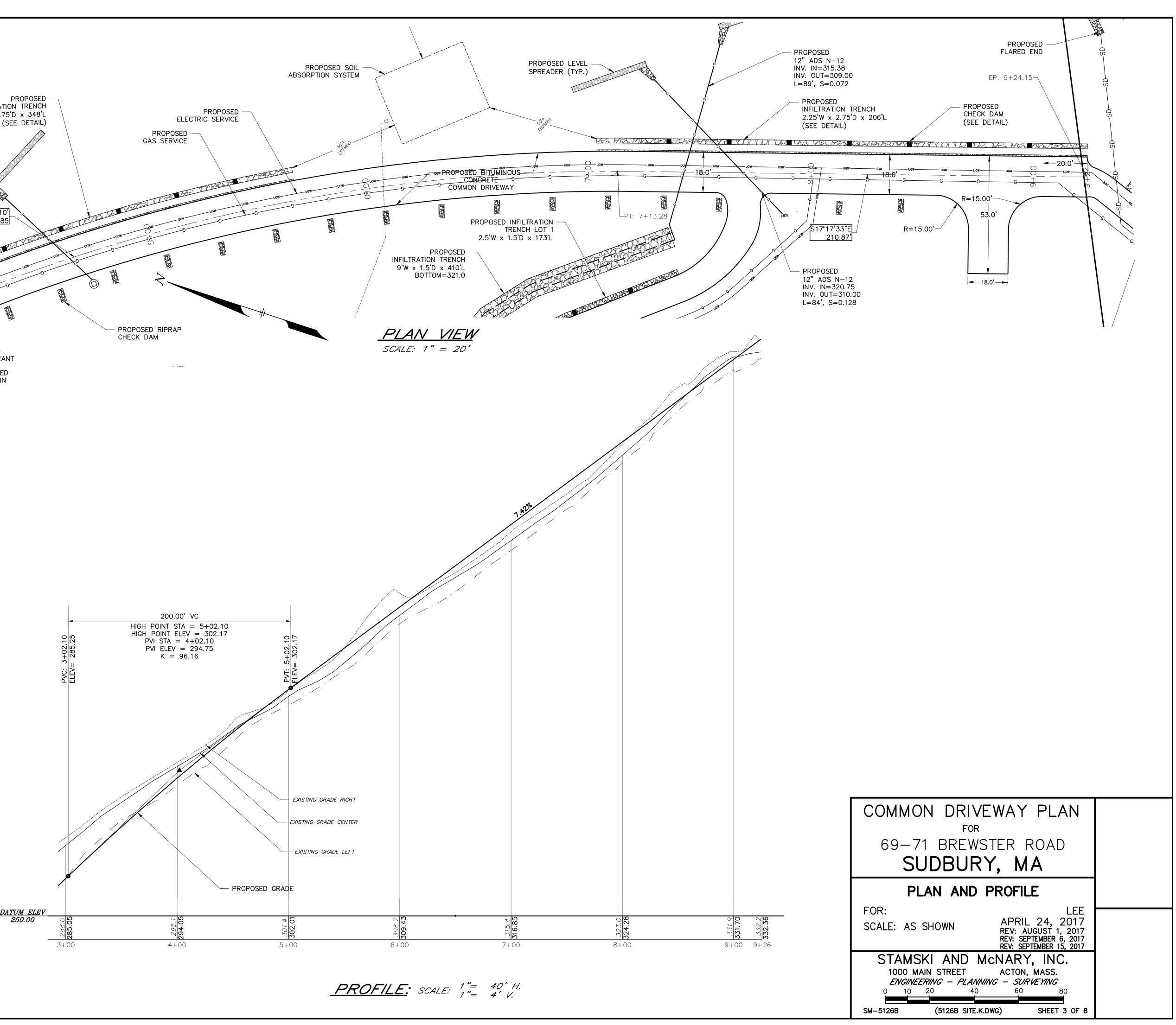






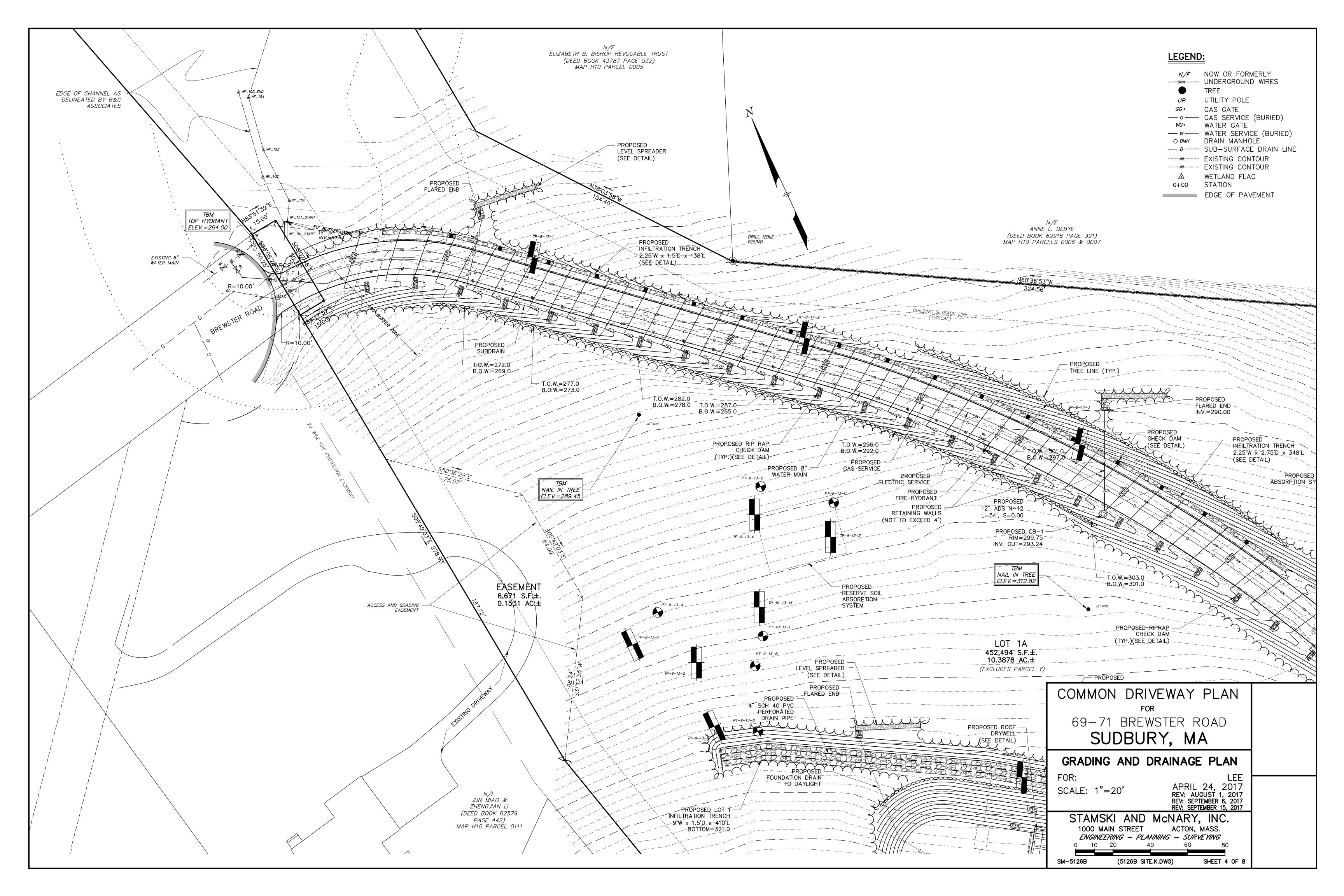


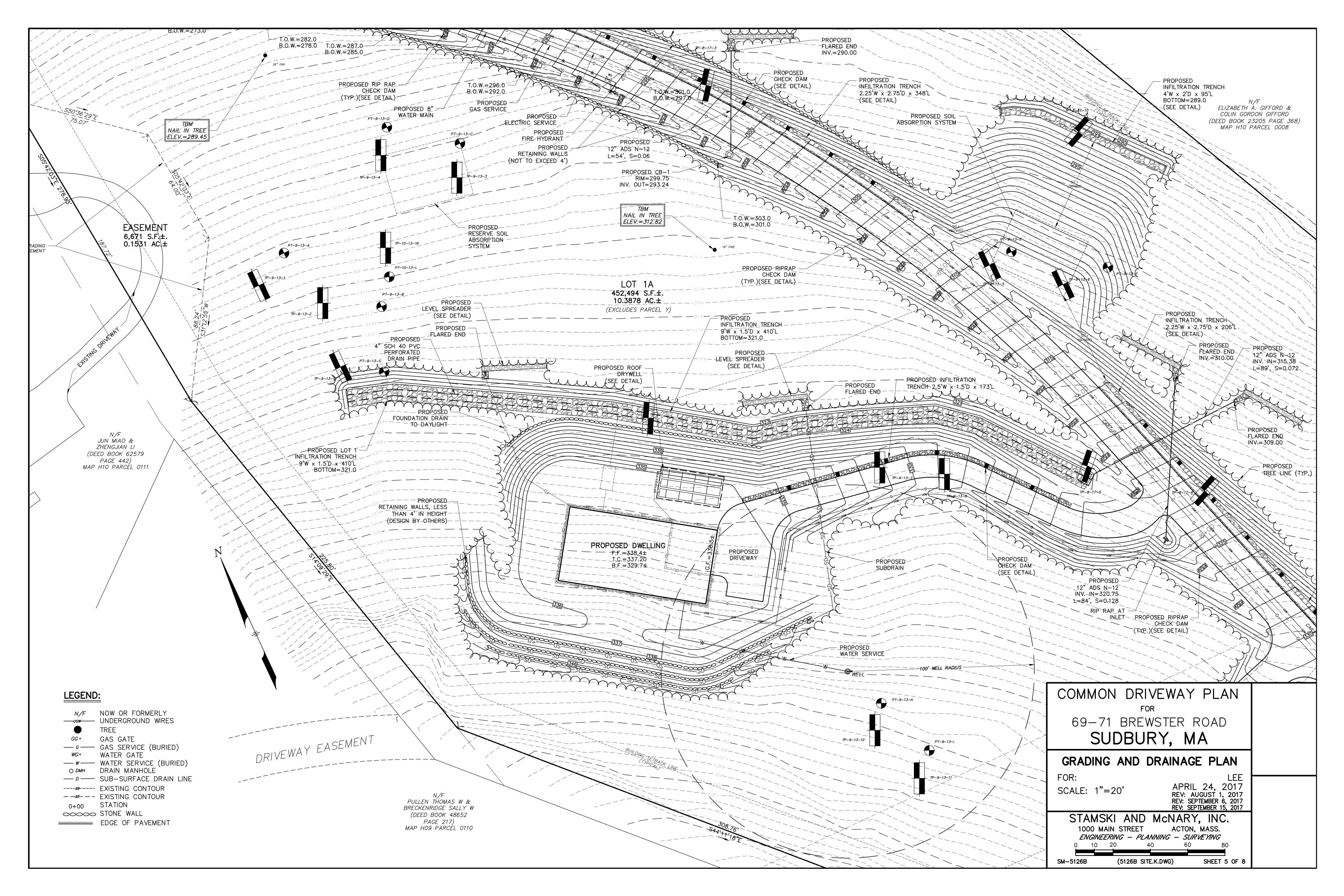
——UG₩	UNDERGROUND WIRES
GG •	GAS GATE
G	GAS SERVICE (BURIED)
WG•	WATER GATE
— <i>w</i> ——	WATER SERVICE (BURIED)
⊖ DMH	DRAIN MANHOLE
<i>D</i>	SUB-SURFACE DRAIN LINE
Х.	HYDRANT
0+00	STATION

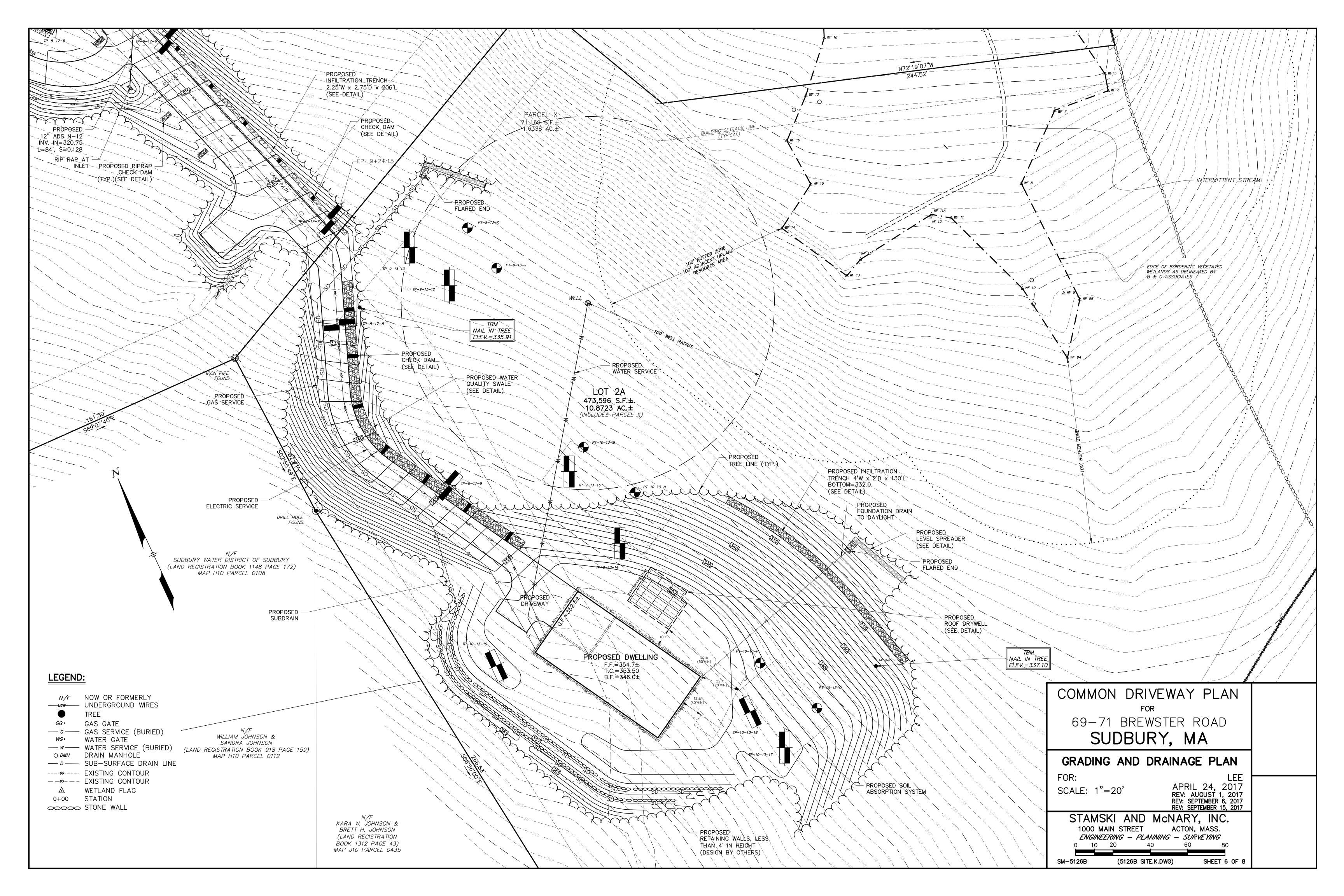


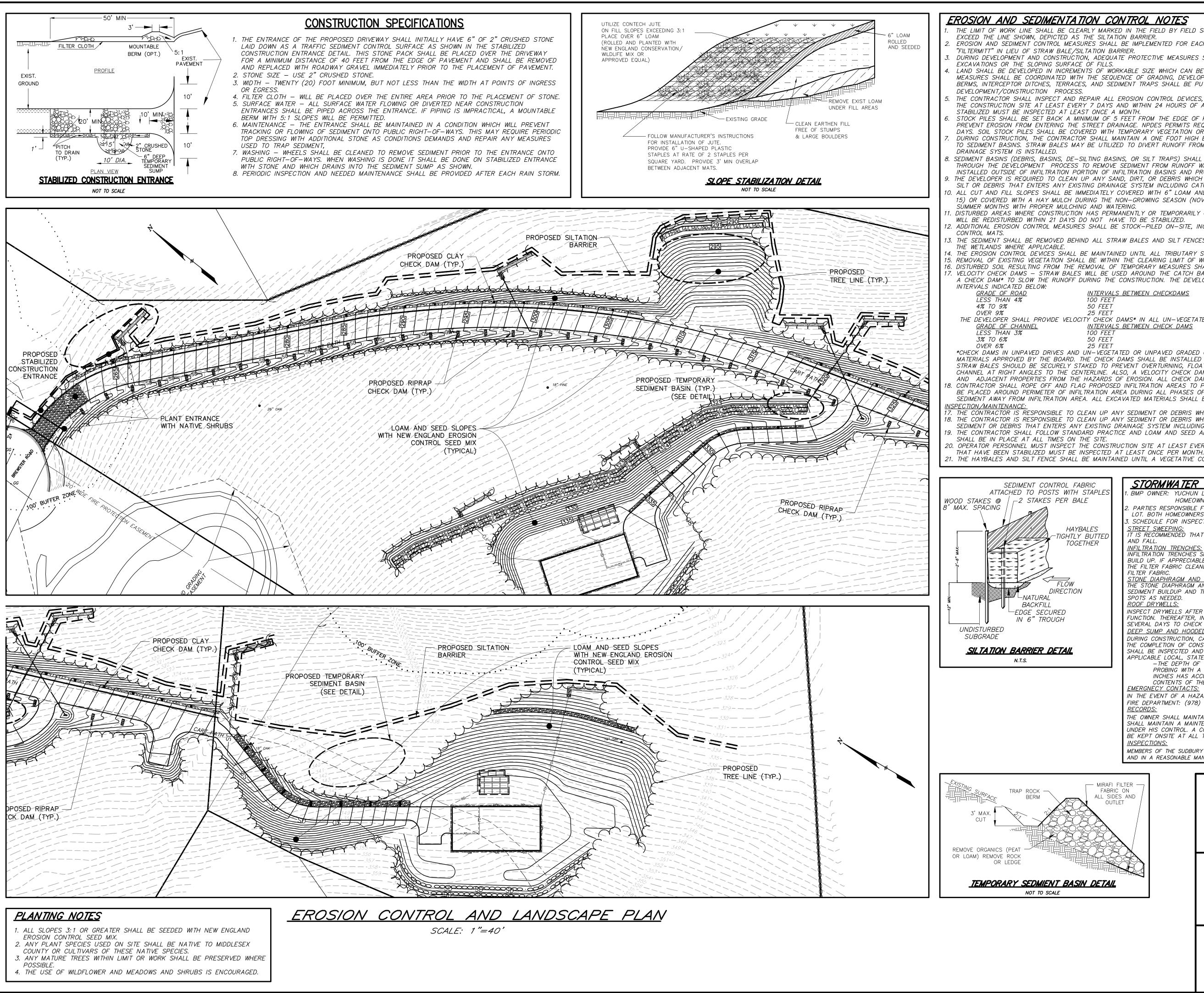
#### UTILITY NOTE:

ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, 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 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 PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG SAFE TELEPHONE No. 1-888-344-7233.









ITA TION	<b>CONTROL</b>	NOTES
	CONTROL	NUILS

THE LIMIT OF WORK LINE SHALL BE CLEARLY MARKED IN THE FIELD BY FIELD SURVEY PRIOR TO CONSTRUCTION WITHIN DESIGNATED AREA. LIMIT OF WORK LINE SHALL NOT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED FOR EACH PHASE PRIOR TO ANY CONSTRUCTION ON THE SITE. CONTRACTOR IS ENCOURAGED TO USE DURING DEVELOPMENT AND CONSTRUCTION, ADEQUATE PROTECTIVE MEASURES SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF

LAND SHALL BE DEVELOPED IN INCREMENTS OF WORKABLE SIZE WHICH CAN BE COMPLETED DURING A SINGLE CONSTRUCTION SEASON. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH THE SEQUENCE OF GRADING, DEVELOPMENT, AND CONSTRUCTION, OPERATIONS. CONTROL MEASURES SUCH AS HYDROSEEDING, BERMS, INTERCEPTOR DITCHES, TERRACES, AND SEDIMENT TRAPS SHALL BE PUT INTO EFFECT PRIOR TO THE COMMENCEMENT OF EACH INCREMENT OF THE

THE CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION CONTROL DEVICES, WHEN INTENSE RAINFALL IS PREDICTED. THE CONTRACTOR'S REPRESENTATIVE SHALL INSPECT THE CONSTRUCTION SITE AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.5 INCHES OR MORE. AREAS WITH SITES THAT HAVE BEEN FINALLY

STOCK PILES SHALL BE SET BACK A MINIMUM OF 5 FEET FROM THE EDGE OF PAVEMENT. ALL STOCK PILES SHALL BE CONTAINED WITH SILT FENCES OR STRAW BALES TO PREVENT EROSION FROM ENTERING THE STREET DRAINAGE. NPDES PERMITS REQUIRE THE STOCKPILES TO BE STABILIZED WITH SEED OR MULCH IF NOT BEING USED WITHIN 21 DAYS. SOIL STOCK PILES SHALL BE COVERED WITH TEMPORARY VEGETATION OR FASTENED WITH TARPAULIN SHEETS. STOCKPILES SHALL AVOID ALL SOIL ABSORPTION AREAS. DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A ONE FOOT HIGH BY TWO FOOT WIDE EARTHEN BERM ALONG THE EDGES OF THE DRIVEWAY TO DIVERT RUNOFF TO SEDIMENT BASINS. STRAW BALES MAY BE UTILIZED TO DIVERT RUNOFF FROM THE DRIVEWAY LOW POINTS TO THE SEDIMENT BASIN DURING CONSTRUCTION UNTIL THE

SEDIMENT BASINS (DEBRIS, BASINS, DE-SILTING BASINS, OR SILT TRAPS) SHALL BE INSTALLED IN CONJUNCTION WITH THE INITIAL GRADING OPERATIONS AND MAINTAINED THROUGH THE DEVELOPMENT PROCESS TO REMOVE SEDIMENT FROM RUNOFF WATERS DRAINING FROM LAND UNDERGOING DEVELOPMENT. SEDIMENT BASINS SHALL BE INSTALLED OUTSIDE OF INFILTRATION PORTION OF INFILTRATION BASINS AND PROPOSED SEPTIC LEACHING AREAS. THE DEVELOPER IS REQUIRED TO CLEAN UP ANY SAND. DIRT. OR DEBRIS WHICH ERODES FROM THE SITE ONTO ANY PUBLIC STREET OR PRIVATE PROPERTY. AND TO REMOVE SILT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING CATCH BASIN SUMPS, PIPE LINES, MANHOLES AND DITCHES. ALL CUT AND FILL SLOPES SHALL BE IMMEDIATELY COVERED WITH 6" LOAM AND SEEDED DURING THE GROWING SEASON (MARCH THROUGH MAY AND AUGUST TO OCTOBER 15) OR COVERED WITH A HAY MULCH DURING THE NON-GROWING SEASON (NOVEMBER 1 TO APRIL 1 AND JUNE AND JULY). PERMANENT SEEDING MAY BE DONE IN PEAK DISTURBED AREAS WHERE CONSTRUCTION HAS PERMANENTLY OR TEMPORARILY CEASED MUST BE STABILIZED WITHIN 14 DAYS OF THE LAST DISTURBANCE. AREAS WHICH WILL BE REDISTURBED WITHIN 21 DAYS DO NOT HAVE TO BE STABILIZED. ADDITIONAL EROSION CONTROL MEASURES SHALL BE STOCK-PILED ON-SITE, INCLUDING BUT NOT LIMITED TO CRUSHED STONE, STRAW BALES, SILT FENCE AND EROSION

. THE SEDIMENT SHALL BE REMOVED BEHIND ALL STRAW BALES AND SILT FENCES IF DEPTH EXCEEDS 6". SEDIMENT SHALL BE REMOVED TO OUTSIDE THE BUFFER ZONE OF . THE EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL ALL TRIBUTARY SURFACES ARE STABILIZED.

15. REMOVAL OF EXISTING VEGETATION SHALL BE WITHIN THE CLEARING LIMIT OF WORK AREA, DEPICTED AS THE PROPOSED TREE LINE.

16. DISTURBED SOIL RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF REMOVAL. 17. VELOCITY CHECK DAMS - STRAW BALES WILL BE USED AROUND THE CATCH BASINS ON THE PROPOSED ROAD TO PROTECT THEM FROM THE ERODING SOILS AND PROVIDE

A CHECK DAM\* TO SLOW THE RUNOFF DURING THE CONSTRUCTION. THE DEVELOPER SHALL PROVIDE VELOCITY CHECK DAMS\* IN ALL UNPAVED STREET AREAS AT THE INTFRVALS BETWEEN CHECKDAMS

INTERVALU.	
100 FEET	
50 FEET	
25 FFFT	

THE DEVELOPER SHALL PROVIDE VELOCITY CHECK DAMS\* IN ALL UN-VEGETATED OR UNPAVED CHANNELS AT THE INTERVALS INDICATED BELOW: INTERVALS BETWEEN CHECK DAMS

50 FEET 25 FEET

\*CHECK DAMS IN UNPAVED DRIVES AND UN-VEGETATED OR UNPAVED GRADED CHANNELS SHALL BE CONSTRUCTED OF STAKED STRAW BALES OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE BOARD. THE CHECK DAMS SHALL BE INSTALLED AT THE END OF EACH WORKING DAY, AND IN THE EVENT OF RAINFALL BEING PREDICTED. TH STRAW BALES SHOULD BE SECURELY STAKED TO PREVENT OVERTURNING, FLOATATION, OR DISPLACEMENT. THEY SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. ALSO, A VELOCITY CHECK DAM SHALL BE PROVIDED ALONG THE ENTRANCE OF THE LOT TO PROTECT THE PUBLIC STREETS AND ADJACENT PROPERTIES FROM THE HAZARDS OF EROSION. ALL CHECK DAMS SHALL BE CLEANED OF DEBRIS AND SILT PERIODICALLY. CONTRACTOR SHALL ROPE OFF AND FLAG PROPOSED INFILTRATION AREAS TO PREVENT HEAVY EQUIPMENT FROM COMPACTING UNDERLYING SOILS. DIVERSION BERMS SHALL BE PLACED AROUND PERIMETER OF INFILTRATION AREA DURING ALL PHASES OF CONSTRUCTION. SEDIMENT AND EROSION CONTROLS SHOULD BE USED TO KEEP RUNOFF AND SEDIMENT AWAY FROM INFILTRATION AREA. ALL EXCAVATED MATERIALS SHALL BE PLACED DOWN GRADIENT OF ALL INFILTRATION AREAS.

THE CONTRACTOR IS RESPONSIBLE TO CLEAN UP ANY SEDIMENT OR DEBRIS WHICH ERODES FROM THE SITE INTO THE WETLANDS IMMEDIATELY UPON DISCOVERY. 18. THE CONTRACTOR IS RESPONSIBLE TO CLEAN UP ANY SEDIMENT OR DEBRIS WHICH ERODES FROM THE SITE INTO BREWSTER ROAD OR PRIVATE PROPERTY AND TO REMOVE SEDIMENT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES. . THE CONTRACTOR SHALL FOLLOW STANDARD PRACTICE AND LOAM AND SEED ALL DISTURBED AREAS FOLLOWING CONSTRUCTION. A MAINTENANCE AND OPERATION PLAN 20. OPERATOR PERSONNEL MUST INSPECT THE CONSTRUCTION SITE AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS OF RAINFALL OF 0.5 INCHES OR MORE. DISTURBED AREAS

21. THE HAYBALES AND SILT FENCE SHALL BE MAINTAINED UNTIL A VEGETATIVE COVER HAS BEEN ESTABLISHED.

T AND	FOR 69-71 BREWSTER ROAD SUDBURY, MA STORMWATER POLLUTION	
LTER	COMMON DRIVEWAY PLAN	
UNDER HIS CONTROL. A BE KEPT ONSITE AT AL <u>INSPECTIONS:</u>	COPY OF THE EROSION CONTROL AND STORMWATER MAINTENANCE PLAN AND IN L TIMES.	SPECTION LOGS SHALL
<u>RECORDS:</u> THE OWNER SHALL MAIN	` NTAIN AN INSPECTION LOG OF ALL ELEMENTS OF THE STORM WATER MANAGEMENT	
CONTENTS OF <u>EMERGNECY CONTACTS</u>	THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS. <u>S:</u>	DISPOSE OF THE
SHALL BE INSPECTED A APPLICABLE LOCAL, STA — THE DEPTH C PROBING WITH	ND CLEANED FOUR TIMES A YEAR. SEDIMENT REMOVED SHALL BE DISPOSED OF IN ATE, AND FEDERAL GUIDELINES AND REGULATIONS. OF THE SEDIMENT IN A BASIN SHALL NOT EXCEED A DEPTH OF 18 INCHES AS DE A STICK. IF THE STICK HITS THE BOTTOM WITHIN 30 INCHES OF THE WATER LEVI	N ACCORDANCE WITH TERMINED BY EL, MORE THAN 18
DEEP SUMP AND HOOD DURING CONSTRUCTION,	<u>DED CATCH BASIN:</u> CATCH BASIN GRATES SHALL BE WRAPPED IN FILTER FABRIC. CATCH BASINS SH	
INSPECT DRYWELLS AFT FUNCTION. THEREAFTER,	, INSPECT AND CLEAN IT AT LEAST ONCE PER YEAR. WATER LEVELS SHOULD BE	
<u>STONE DIAPHRAGM AN</u> THE STONE DIAPHRAGM SEDIMENT BUILDUP AND SPOTS AS NEEDED.	AND VEGETATIVE FILTER STRIP SHALL BE INSPECTED ANNUALLY. INSPECT THE CH	
INFILTRATION TRENCHES BUILD UP. IF APPRECIA THE FILTER FABRIC CLE	S SHALL BE INSPECTED ANNUALLY. THE FILTER FABRIC SHALL BE INSPECTED FOI BLE AMOUNTS OF SEDIMENT ARE OBSERVED THE TOP LAYER OF STONE SHALL BE	E MOVED ASIDE AND
<u>STREET SWEEPING:</u> IT IS RECOMMENDED TH AND FALL.	AT THE PAVEMENT SHALL BE PROPERLY SWEPT TWICE A YEAR, WITH CONCENTRA	TIONS IN THE SPRING
2. PARTIES RESPONSIBLE LOT. BOTH HOMEOWNE	E FOR MAINTENANCE: OWNERS OF INDIVIDUAL LOTS ARE RESPONSIBLE FOR DRYWE ERS ARE RESPONSIBLE FOR THE COMMON DRIVEWAY AND ASSOCIATED DRAIN.	LLS AND TRENCHES ON
1. BMP OWNER: YUCHUI	N LEE (DURING CONSTRUCTION)	
	1. BMP OWNER: YUCHUN HOMEC 2. PARTIES RESPONSIBLE LOT. BOTH HOMEOWNE 3. SCHEDULE FOR INSP <u>STREET SWEEPING:</u> IT IS RECOMMENDED TH AND FALL. INFILTRATION TRENCHES BUILD UP. IF APPRECIA THE FILTER FABRIC CLE FILTER FABRIC. <u>STONE DIAPHRAGM AN</u> THE STONE DIAPHRAGM SEDIMENT BUILDUP AND SPOTS AS NEEDED. <u>ROOF DRYWELLS:</u> INSPECT DRYWELLS AFT FUNCTION. THEREAFTER SEVERAL DAYS TO CHE <u>DEEP SUMP AND HOO</u> DURING CONSTRUCTION, THE COMPLETION OF CO SHALL BE INSPECTED A APPLICABLE LOCAL, ST — THE DEPTH O PROBING WITH INCHES HAS A CONTENTS OF <u>EMERGNECY CONTACTS</u> IN THE EVENT OF A HA FIRE DEPARTMENT: (97 <u>RECORDS:</u> THE OWNER SHALL MAIN SHALL MAINTAIN A MAIN UNDER HIS CONTROL. A BE KEPT ONSITE AT AL INSPECTIONS: MEMBERS OF THE SUDBU AND IN A REASONABLE O	IT IS RECOMMENDED THAT THE PAVEMENT SHALL BE PROPERLY SWEPT TWICE A YEAR, WITH CONCENTRA AND FALL. INFILITRATION TRENCHES: INFILITRATION TRENCHES: INFILITRATION TRENCHES SHALL BE INSPECTED ANNUALLY. THE FILTER FABRIC SHALL BE INSPECTED FOI BUILD UP. IF APPRECIABLE AMOUNTS OF SEDMENT ARE OBSERVED THE TOP LAYER OF STONE SHALL BE THE FILTER FABRIC. STONE DIAPHRAGM AND VEGETATIVE FILTER STRIP: THE STONE DIAPHRAGM AND VEGETATIVE FILTER STRIP: THE STONE DIAPHRAGM AND VEGETATIVE FILTER STRIP: THE STONE DIAPHRAGM AND VEGETATIVE FILTER STRIP SHALL BE INSPECTED ANNUALLY. INSPECT THE OF SEDIMENT BUILDUP AND THE FILTER STRIP FOR STABLE VEGETATION. MOW GRASS, REMOVE SEDIMENT AN SPOTS AS NEEDED. ROOE DRYWELLS: INSPECT DRYWELLS AFTER EVERY MAJOR STORM FOR THE FIRST FEW MONTHS TO ENSURE PROPER STAB FUNCTION. THEREAFTER, INSPECT AND CLEAN IT AT LEAST ONCE PER YEAR. WATER LEVELS SHOULD BE SEVERAL DAYS TO CHECK THE DRYWELL DRAINAGE. DEEP SUMP_AND HOODED CATCH BASIN: DURING CONSTRUCTION, CATCH BASIN GRATES SHALL BE WRAPPED IN FILTER FABRIC. CATCH BASINS SH THE COMPLETION OF CONSTRUCTION. AFTER CONSTRUCTION, THE DEEP SUMPS FOR ALL CATCH BASINS AN THE COMPLETION OF CONSTRUCTION. AFTER CONSTRUCTION, THE DEEP SUMPS FOR ALL CATCH BASINS AN SHALL BE INSPECTED AND FEDERAL GUIDELINES AND REGULATIONS. — THE DEPTH OF THE SEDIMENT IN A BASIN SHALL. NOT EXCEED A DEPTH OF 18 INCHES AS DE PROBING WITH A STICK. IF THE STICK HITS THE BOTTOM WITHIN 30 INCHES OF THE WATER LEVE INCHES HAS ACCUMULATED AND MIST BE REMOVED. LICCENSED PERSONS SHOULD REMOVED AND CONTENTS OF THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS. — THE EVENT OF A HAZARDOUS SPILL ON THE SITE THE FOLLOWING PARTIES SHALL BE CONTACTED: FIRE DEPARTMENT: (978) 443-2239 <u>RECORDES:</u> THE OWNER SHALL MAINTAIN AN INSPECTION LOG OF ALL ELEMENTS OF THE STORM WATER MANAGEMENT SHALL MAINTAIN AN AMAINTENANCE LOG DOCUMENTING THE INSPECTION AND MAINTENANCE PLAN AND IN BE KEPTO ONSITE AT ALL TIMES. INSPECTIONS: MEMBERS OF THE SUDBURY PLANNING BOARD OR ITS DESIGNE

SCALE: NTS

SM-5126B

1000 MAIN STREET

0 10 20

APRIL 24, 2017

**REV: AUGUST 1, 2017** 

REV: SEPTEMBER 6, 2017

REV: SEPTEMBER 15, 2017

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SHEET 7 OF 8

ACTON. MASS.

STAMSKI AND MCNARY, INC.

ENGINEERING - PLANNING - SURVEYING

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(5126B SITE.K.DWG)

