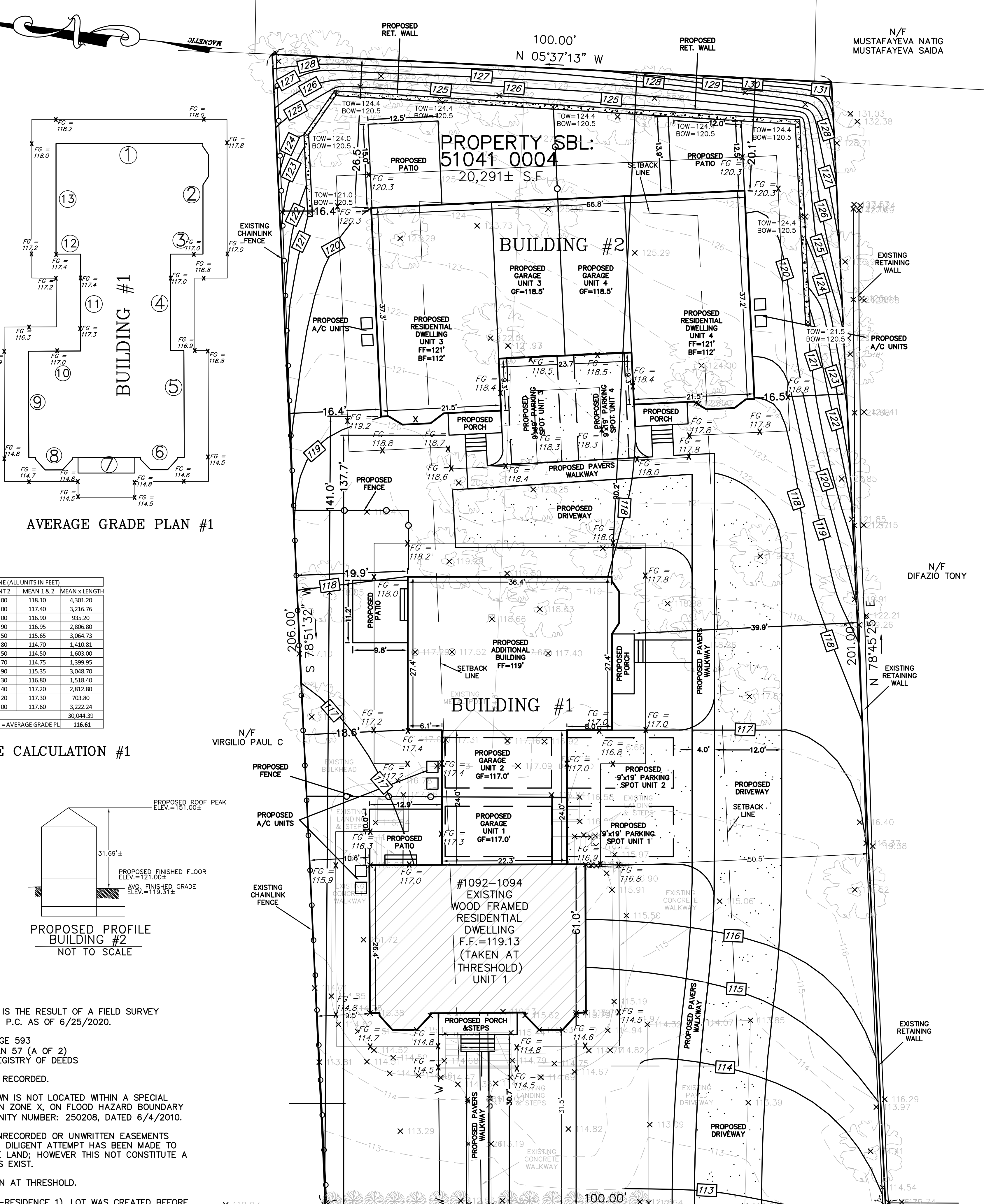


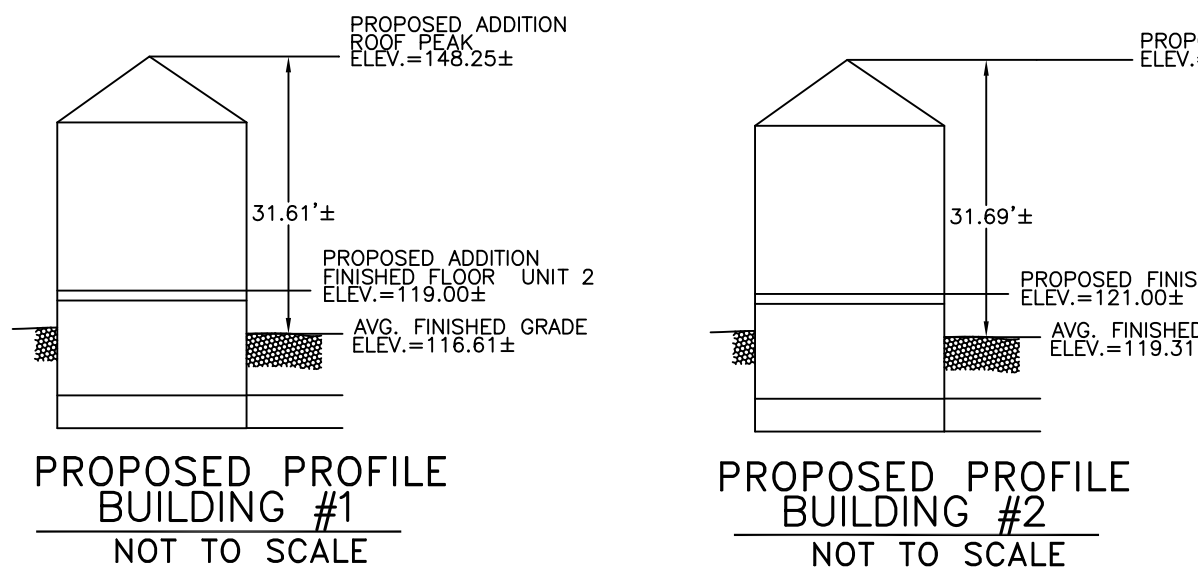
LEGEND	
[Symbol]	BOUND
[Symbol]	IRON PIN/PIPE
[Symbol]	STONE POST
[Symbol]	TREE
[Symbol]	TREE STUMP
[Symbol]	SHRUBS/FLOWERS
[Symbol]	SIGN
[Symbol]	BOLLARD
[Symbol]	SEWER MANHOLE
[Symbol]	DRAIN MANHOLE
[Symbol]	CATCH BASIN
[Symbol]	WATER MANHOLE
[Symbol]	WATER VALVE
[Symbol]	HYDRANT
[Symbol]	GAS VALVE
[Symbol]	ELECTRIC MANHOLE
[Symbol]	ELECTRIC HANDHOLE
[Symbol]	UTILITY POLE
[Symbol]	LIGHT POLE
[Symbol]	MANHOLE
[Symbol]	SPOT GRADE
[Symbol]	TOP OF WALL
[Symbol]	BOTTOM OF WALL
[Symbol]	EXISTING BUILDING
[Symbol]	RETAINING WALL
[Symbol]	STONE WALL
[Symbol]	FENCE
[Symbol]	TREE LINE
[Symbol]	SEWER LINE
[Symbol]	DRAIN LINE
[Symbol]	WATER LINE
[Symbol]	GAS LINE
[Symbol]	UNDERGROUND ELECTRIC LINE
[Symbol]	OVERHEAD WIRES
[Symbol]	CONTOUR LINE (MJR)
[Symbol]	CONTOUR LINE (MNR)



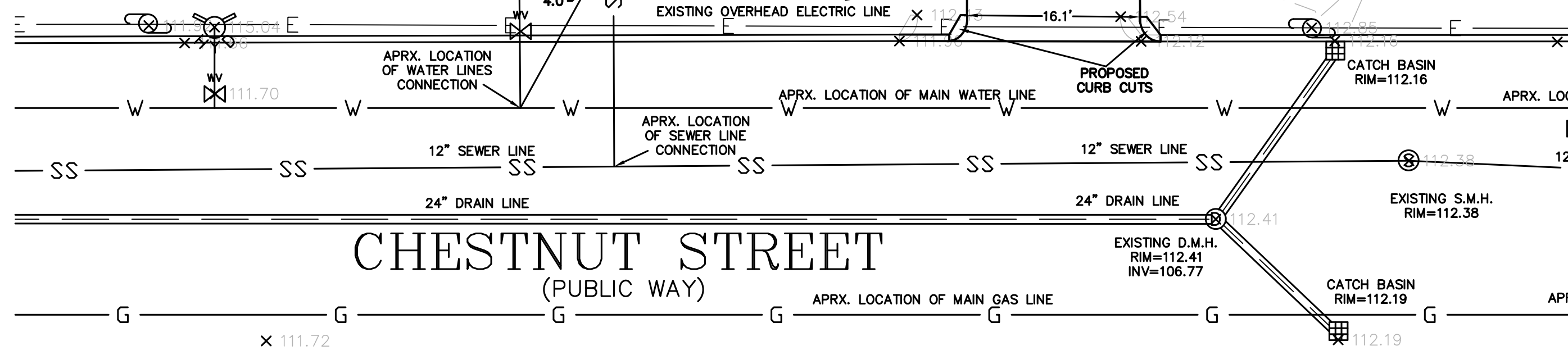
AVERAGE GRADE PLAN #1

SEGMENT	LENGTH	POINT 1	POINT 2	MEAN 1 & 2	MEAN x LENGTH
1	36.42	118.20	118.00	118.10	4,301.20
2	27.40	117.80	117.00	117.40	3,216.76
3	8.00	116.80	117.00	116.90	935.20
4	24.00	117.00	116.90	116.95	2,806.80
5	26.50	116.80	114.50	115.65	3,064.73
6	12.30	114.60	114.80	114.70	1,410.81
7	14.00	114.50	114.50	114.50	1,603.00
8	12.20	114.80	114.70	114.75	1,399.95
9	26.43	114.80	115.90	115.35	3,048.70
10	13.00	116.30	117.30	116.80	1,518.40
11	24.00	117.00	117.20	117.10	2,812.80
12	6.00	117.40	117.30	117.35	703.80
13	27.40	117.20	118.00	117.60	3,222.24
SUM	257.65				30,044.39
DF MEAN x LENGTH / SUM OF LENGTHS = AVERAGE GRADE PL					116.61

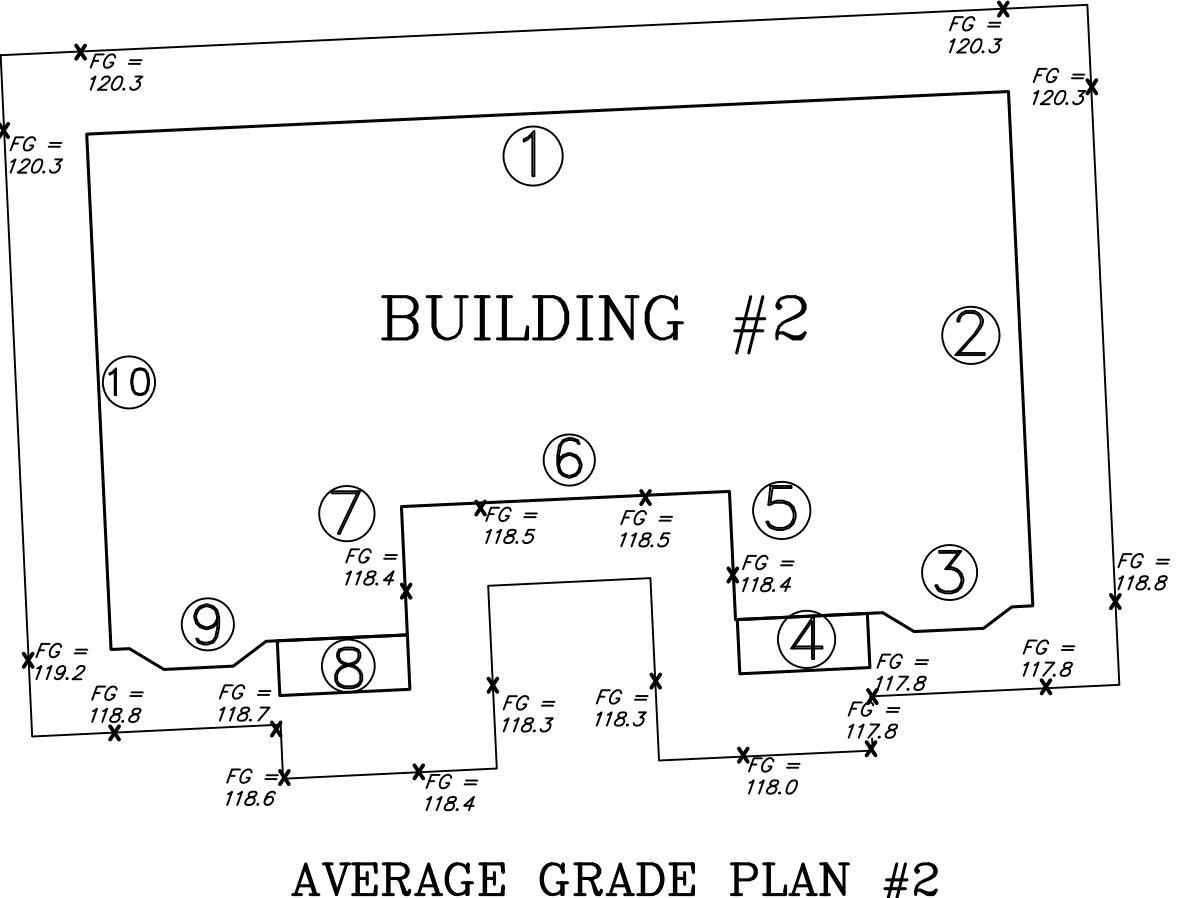
AVERAGE GRADE CALCULATION #1



- NOTES:
- INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY SPRUHAN ENGINEERING, P.C. AS OF 6/25/2020.
 - DEED REFERENCE: BOOK 48038, PAGE 593
PLAN REFERENCE: PLAN BOOK 12, PLAN 57 (A OF 2)
MIDDLESEX COUNTY SOUTH DISTRICT REGISTRY OF DEEDS
 - THIS PLAN IS NOT INTENDED TO BE RECORDED.
 - I CERTIFY THAT THE DWELLING SHOWN IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE X, ON FLOOD HAZARD BOUNDARY MAP NUMBER 25017C0561E, IN COMMUNITY NUMBER: 250208, DATED 6/4/2010.
 - THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT USES OF THE LAND; HOWEVER THIS NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
 - FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.
 - ZONING INFORMATION: MR-1 (MULTI-RESIDENCE 1), LOT WAS CREATED BEFORE 1953
 - THE ELEVATIONS SHOWN ARE BASED ON CITY OF NEWTON DATUM.



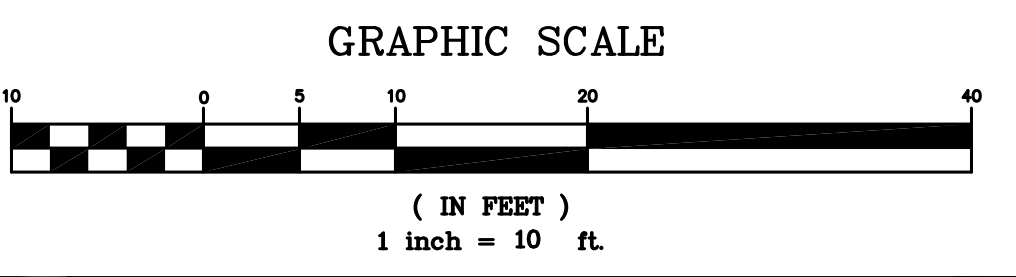
CHESTNUT STREET
(PUBLIC WAY)



AVERAGE GRADE PLAN #2

SEGMENT	LENGTH	POINT 1	POINT 2	MEAN 1 & 2	MEAN x LENGTH
1	66.75	120.30	120.30	120.30	8,030.03
2	37.25	120.30	118.80	119.55	4,453.24
3	12.00	117.80	117.80	117.80	1,413.60
4	9.40	117.80	118.00	117.90	1,108.26
5	13.20	118.30	118.50	118.40	1,562.88
6	23.75	118.40	118.40	118.40	2,812.00
7	13.20	118.50	118.30	118.40	1,562.88
8	9.40	118.40	118.60	118.50	1,113.90
9	12.00	118.70	118.80	118.75	1,425.00
10	37.30	119.20	120.30	119.75	4,466.68
SUM	234.25				27,948.46
SUM OF MEAN x LENGTH / SUM OF LENGTHS = AVERAGE GRADE PLANE					119.31

AVERAGE GRADE CALCULATION #2



ZONING LEGEND		
ZONING DISTRICT: MULTI-RESIDENCE 1 (LOT CREATED BEFORE 12/07/1953)		
	REQUIRED	PROPOSED
MIN. AREA	7,000 S.F.	20,291 S.F.± (MEASURED)
MIN. FRONTAGE	70'	100.00'
MIN. YARD FRONT	25'	30.7'
SIDE	25'	9.5'
	25'	20.1'
MAX. LOT COV.	30%	25%
MIN. OPEN SPACE	50%	60.1%
MAX. BLDG. HEIGHT	36'	31.69'±

* REQUIRED BY SPECIAL PERMIT

REVISION BLOCK		
BY	DESCRIPTION	DATE
		11/23/20
	DRAWN BY	DK
	CHECKED BY	ES
	APPROVED BY	ES
	SHEET	1
	PLAN NO.	1 OF 1
	CLIENT:	
	SHEET:	1

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1092-1094
CHESTNUT STREET,
NEWTON,
MASSACHUSETTS

PROPOSED
CONDITIONS
SITE PLAN

SPRUHAN ENGINEERING
P.C.

80 JEWETT ST. (SUITE 1)
NEWTON, MA 02458

Tel: 617-816-0722
Email: edmond@spruhaneng.com

- NOTES:
1. INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY SPRUHAN ENGINEERING, P.C. AS OF 6/25/2020.
 2. DEED REFERENCE: BOOK 48030, PAGE 593
PLAN REFERENCE: PLAN BOOK 12, PLAN 57 (A OF 2)
MIDDLESEX COUNTY SOUTH DISTRICT REGISTRY OF DEEDS
 3. THIS PLAN IS NOT INTENDED TO BE RECORDED.
 4. 1 CERTIFY THAT THE DWELLING SHOWN IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE X, ON FLOOD HAZARD BOUNDARY MAP NUMBER 2501700561E, IN COMMUNITY NUMBER: 250208, DATED 6/4/2010.
 5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT USES OF THE LAND; HOWEVER THIS NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
 6. FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.
 7. ZONING INFORMATION: MR-1 (MULTI-RESIDENCE 1), LOT WAS CREATED BEFORE 1953
 8. THE ELEVATIONS SHOWN ARE BASED ON CITY OF NEWTON DATUM.

1. ELEVATIONS REFER TO CITY OF NEWTON DATUM.
 2. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ANY CROSSINGS OF PROPOSED AND EXISTING UTILITIES.
 3. MASSACHUSETTS STATE LAW REQUIRES UTILITY NOTIFICATION AT LEAST THREE BUSINESS DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL 800-SAFE AT 1-888-344-7233 IN ORDER TO COMPLY WITH STATE LAW.
 4. ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS, LATEST EDITION, PREPARED AND ISSUED BY THE NEWTON ENGINEERING DEPARTMENT. COPIES MAY BE OBTAINED AT THE OFFICE OF THE CITY ENGINEER. REFER TO NOTE 29 FOR DETAILS. NOTE: A TRENCH PERMIT MUST BE OBTAINED PRIOR TO ANY EXCAVATION BEING CARRIED OUT.
 5. PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35.
 6. PROPOSED WATER SERVICE SHALL BE 1" TYPE K COPPER.
 7. THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND JUNE 25th, 2020.
 8. ALL WORK SHALL BE SUBJECT TO THE INSPECTION BY AND APPROVAL OF THE CITY ENGINEER.
 9. NO EXCAVATION SHALL BE MADE BY THE CONTRACTOR IN ANY PUBLIC WAY OR UTILITY EASEMENT UNLESS AT LEAST FORTY-EIGHT (48) HOURS, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS, BEFORE THE PROPOSED EXCAVATION IS TO BE MADE, HE HAS SUBMITTED NOTICE OF THE PROPOSED EXCAVATION TO THE FOLLOWING:
 - a. SUCH PUBLIC UTILITY COMPANIES AS SUPPLY GAS, ELECTRICITY, AND TELEPHONE SERVICE IN THE CITY.
 - b. SUCH PRIVATE COMPANIES AS PROVIDE CABLE TELEVISION SERVICE IN THE CITY.
 - c. CITY OF NEWTON WATER & SEWER DEPARTMENT. SUCH NOTICE SHALL SET FORTH THE STREET NAME AND A REASONABLY ACCURATE DESCRIPTION OF THE LOCATION OF THE EXCAVATION.
 10. THE CONTRACTOR SHALL PROVIDE CITY OF NEWTON POLICE OFFICERS FOR THE DIRECTION AND CONTROL OF TRAFFIC, AS REQUIRED BY THE CITY ENGINEER.
 11. NO WORK SHALL BE PERFORMED UNTIL THE NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF NEWTON PUBLIC WORKS DEPARTMENT.
 12. ALL TRENCHES IN PAVED STREETS SHALL BE TEMPORARILY PATCHED WITH PAVEMENT OF EXISTING PAVEMENT THICKNESS OR AS DIRECTED BY THE CITY ENGINEERING INSPECTOR, LAID HOT AND MAINTAINED UNTIL THE PERMANENT PATCH IS INSTALLED.
 13. WARNING SIGNS SHALL CONFORM TO PAGE 66 OF THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS.
 14. ALL TOPSOIL, SUBSOIL OR IMPERVIOUS SOIL MUST BE EXCAVATED AND REMOVED BELOW THE LEACHING SYSTEM AND TO A DISTANCE 5' LATERALLY IN ALL DIRECTIONS BEYOND THE SPODES. THE GULLER BACKFILL SHALL BE A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. THE SAND SHALL HAVE A PERCOLATION RATE OF 2 MINUTES PER INCH OR FASTER.
 15. IN CASES WHERE LEDGE OR BouldERS ARE ENCOUNTERED, SPRUHAN ENGINEERING, P.C. WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.
 16. IF ANY PART OF THIS DESIGN IS TO BE ALTERED IN ANY WAY, THE DESIGN ENGINEER, AS WELL AS THE APPROVING AUTHORITIES, SHALL BE NOTIFIED IN WRITING BEFORE CONSTRUCTION.
 17. THE ROOF RUNOFF FROM THE ROOF SURFACES SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO THE STORM WATER DRAINAGE SYSTEM.
 18. PRIOR TO AN OCCUPANCY PERMIT BEING ISSUED, AN AS-BUILT PLAN MUST BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL FORMAT AND HARD COPY. THE PLAN SHOULD SHOW ALL UTILITIES AND FINAL GRADES, TIES TO ALL GATES, VALVES, CLEAN-OUTS, CONNECTION POINTS AT MAINS, STRUCTURE ACCESS/MAINTENANCE COVERS, ANY EASEMENTS AND FINAL GRADING.
 19. THE APPLICANT WILL HAVE TO APPLY FOR A STREET OPENING & UTILITIES CONNECTION PERMITS AS WELL AS A SIDEWALK CROSSING PERMIT AND A TRENCH PERMIT WITH THE DPW.
 20. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS OR AS-BUILT LOCATIONS. PETER NOLAN & ASSOCIATES, LLC. WILL NOT PROVIDE AS-BUILT CERTIFICATION TO UNSPECIFIED BACKFILLED UTILITIES. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO INSPECTIONS.
 21. ANY PROPOSED PVC PIPES UNDER PAVING OR CONCRETE WITH LESS THAN 30" OF COVER MUST BE ENCASED IN CONCRETE. (SEE PAGE 21, CITY OF NEWTON GENERAL CONSTRUCTION DETAILS.)
 22. THE EXISTING WATER & SEWER SERVICES SHALL BE CUT AND CAPPED AT THE MAIN AND BE COMPLETELY REMOVED FROM THE SITE, REPLACED AS SPECIFIED AND PROPERLY BACKFILLED. THE ENGINEERING DIVISION MUST INSPECT THIS WORK; FAILURE TO HAVE THIS WORK INSPECTED MAY RESULT IN THE DELAY OF ISSUANCE OF THE UTILITY CONNECTION PERMIT.
 23. THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM, WATER & SEWER SERVICES INSPECTED. THE SYSTEM & UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM & UTILITIES MAY THEN BE BACKFILLED.
 24. THE EXISTING CONTOURS OF THE LAND ARE NOT TO BE ALTERED BY MORE THAN THREE (3) FEET AS A RESULT OF THE PLACEMENT OR REMOVAL OF SOIL, LOAM CLAY, GRAVEL, OR OTHER SOILS. BACKFILL SHALL BE A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. THE SAND SHALL HAVE A PERCOLATION RATE OF 2 MINUTES PER INCH OR FASTER. A TRENCH PERMIT IS INSTALLED AFTER IT IS APPROVED BY BOTH CITY OF NEWTON ENGINEERING DEPARTMENT & CITY OF NEWTON I.S.D.
 25. NO WORK IS ALLOWED WITHIN A CITY OF NEWTON RIGHT-OF-WAY BETWEEN NOVEMBER 15TH AND APRIL 15TH. IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, APPLICANT MAY REQUEST PERMISSION FROM THE CITY ENGINEER. IF ALLOWED, SPECIAL CONSTRUCTION REQUIREMENTS WILL BE REQUIRED, AND AS SUCH IT IS RECOMMENDED THAT THE APPLICANT OR APPLICANT'S REPRESENTATIVE CONTACT THE CITY OF NEWTON ENGINEERING DEPARTMENT PRIOR TO START OF WORK FOR CLARIFICATION.
 26. AT THE END OF CONSTRUCTION, ALL DRAINAGE STRUCTURES ARE TO BE CLEANED OF SILT, STONES AND OTHER DEBRIS.
 27. DURING CONSTRUCTION, THE EROSION CONTROL MEASURES SHALL BE INSPECTED ONCE PER WEEK AND WITHIN 24 HOURS OF ANY STORM EVENT GENERATING MORE THAN 1/2" OF RAINFALL. THE EROSION CONTROL MEASURES SHALL BE CLEANED REGULARLY AND ADJUSTED IF NECESSARY TO ENSURE THAT NO SILT OR DEBRIS LEAVES THE SITE.
 28. WITH EXCEPTION OF GAS UTILITY SERVICES, ALL UTILITY TRENCHES WITHIN ANY CITY OF NEWTON RIGHT-OF-WAY WILL BE BACKFILLED WITH TYPE IE (EXCAVABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS.
 29. ALL CONSTRUCTION ACTIVITIES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY MUST FULLY COMPLY WITH ALL OF CITY OF NEWTON CONSTRUCTION SPECIFICATIONS AS WELL AS 521 CMR 21.00 AND 22.00.
 30. ALL NEW SEWER SERVICE AND/OR STRUCTURES SHALL BE PRESSURE TESTED OR VIDEO TAPED AFTER FINAL INSTALLATION IS COMPLETE. METHOD OF FINAL INSPECTION SHALL BE DETERMINED SOLELY BY THE CONSTRUCTION INSPECTOR FROM THE CITY ENGINEERING DIVISION. ALL SEWER MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE TO THE CITY OF NEWTON CONSTRUCTION STANDARDS & SPECIFICATIONS. THE SEWER SERVICE WILL NOT BE ACCEPTED UNTIL ONE OF THE TWO METHODS STATED ABOVE IS COMPLETED. ALL TESTING MUST BE WITNESSED BY A REPRESENTATIVE OF THE ENGINEERING DIVISION. A CERTIFICATE OF COMPLIANCE WILL NOT BE RECOMMENDED UNTIL THIS TEST IS COMPLETED AND A WRITTEN REPORT IS RECEIVED BY THE CITY ENGINEER.
 31. ALL SITUATION CONTROL NEEDS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER'S OFFICE FOR APPROVAL PRIOR TO COMMENCEMENT.
 32. ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MGL CHAPTER 82A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. A TRENCH EXCAVATION PERMIT IS REQUIRED.
 33. APPROVAL OF THIS PLAN BY CITY OF NEWTON ENGINEERING DIVISION IMPLIES THAT THE PLAN MEETS THE MINIMAL DESIGN STANDARDS OF THE CITY OF NEWTON. HOWEVER, THE ENGINEERING DIVISION MAKES NO REPRESENTATION AND ASSUMES NO RESPONSIBILITY FOR THE DESIGN(S) IN TERMS OF SUITABILITY FOR THE PARTICULAR SITE CONDITIONS OR OF THE FUNCTIONALITY OR PERFORMANCE OF ANY ITEMS CONSTRUCTED IN ACCORDANCE WITH THE DESIGN(S). THE CITY OF NEWTON ASSUMES NO LIABILITY FOR DESIGN ASSUMPTION, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.
 34. PER CITY OF NEWTON ORDINANCE NO. 8-42, COUNCIL ITEM #251-19, BUILDING SEWER, WATER SERVICE PIPE & SIDEWALK/CURB REPLACEMENT ORDINANCE, THE APPLICANT IS REQUIRED TO INSTALL/REPLACE SIDEWALK & CURB ALONG THE ENTIRE FRONTAGE. THIS SHALL INCLUDE APPROPRIATE TRANSITION TO ADJOINING CURBING & WALKWAYS, INCLUDING ACCESSIBLE CURB CUTS & OTHER ACCESS AS REQUIRED. THE ENGINEERING CONSTRUCTION INSPECTOR MAKES A DETERMINATION BASED ON THE MATERIAL & MANNER OF CONSTRUCTION OF THE EXISTING SIDEWALK & CURB. THAT THE EXISTING SIDEWALK & CURB HAS THE ABILITY TO BE RE-SET OR REUSED WITHOUT REPLACEMENT.
 35. The Engineer of Record is responsible for the on-site inspection(s) of all subsurface structures. This includes but is not limited to drainage, utilities (including sewer pipe slope), roof leader collection system, trench drains, manholes, etc. Engineer of Record must also conduct "bottom of hole" inspection(s) prior to subsurface drainage system(s) being installed.
 36. Prior to the Engineering Division recommending that a Certificate of Occupancy be issued, an As-Built plan must be submitted. The As-Built plan must show dimensional ties from fixed points (foundation corners) to all subsurface components as well as final grading. The As-Built plan must be stamped, signed and dated by the Engineer of Record.
- The following statement must be on all As-Built plans submitted to the Engineering Division:
- I certify that the construction so shown was inspected prior to backfill and that all work conforms with the Approved Plan and meets or exceeds the City of Newton Construction Standards.
- Date _____ Signature _____

EXISTING IMPERVIOUS AREA		PROPOSED IMPERVIOUS AREA	
HOUSE	EXISTING	HOUSE	PROPOSED
HOUSE	1489.10 S.F.	HOUSE	4898.08 S.F.
BULKHEAD	42.82 S.F.	PATIO	597.03 S.F.
LANDING & STEPS	163.94 S.F.	DRIVEWAY	3025.64 S.F.
WALKWAY	673.47 S.F.	RETAINING WALL	117.26 S.F.
DRIVEWAY	581.82 S.F.	PORCH & STEPS	218.66 S.F.
TOTAL	2,831.15 S.F.	TOTAL	8,856.67 S.F.

SOIL LOG-1

DEEP OBSERVATION HOLE LOG
GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 1092-1094 CHESTNUT ST, NEWTON BY SPRUHAN ENGINEERING, P.C.
HOLE NUMBER: TP - 1 DATED: 1/27/21
GENERAL SITE CONDITIONS: GRASS AND TREES.

GRADE	DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
114.0'-113.0'	0" - 12"	A _p	L _s SAND	10 YR 5/4	NO	NONE
113.0'-111.0'	12" - 36"	B _w	L _s SAND	10 YR 5/6	@3'	NONE
111.0'-106.0'	36" - 96"	C ₁	L _s SAND	7.5 YR 7/1	YES	NONE

REFUSAL AT 96"

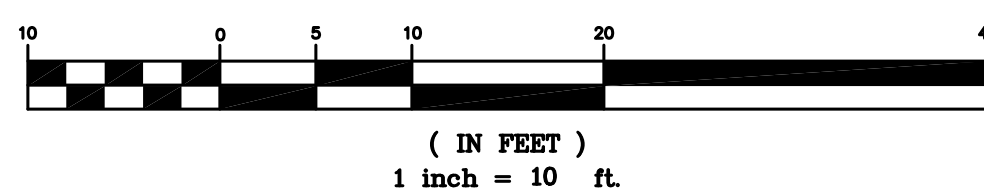
SOIL LOG-2

DEEP OBSERVATION HOLE LOG
GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 1092-1094 CHESTNUT ST, NEWTON BY SPRUHAN ENGINEERING, P.C.
HOLE NUMBER: TP - 2 DATED: 1/27/21
GENERAL SITE CONDITIONS: GRASS AND TREES.

GRADE	DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
117.5'-116.5'	0" - 12"	A _p	L _s SAND	10 YR 5/4	NO	NONE
116.5'-114.5'	12" - 36"	B _w	L _s SAND	10 YR 5/6	@3'	NONE
114.5'-110.5'	36" - 84"	C ₁	L _s SAND	7.5 YR 7/1	YES	NONE

REFUSAL AT 84"

GRAPHIC SCALE

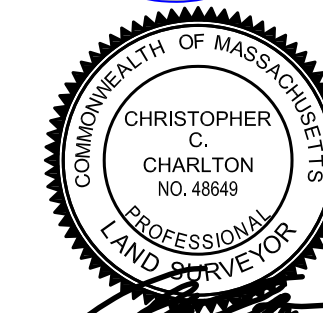
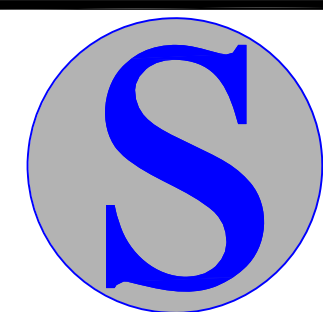


REVISION BLOCK			DATE	DESCRIPTION
BY	DESCRIPTION	DATE	1/30/21	
			DRAWN BY	DK
			CHECKED BY	ES
			APPROVED BY	ES
			SHEET	3
			PLAN NO.	1 OF 1
			CLIENT:	
			SHEET:	3

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1092-1094
CHESTNUT STREET,
NEWTON,
MASSACHUSETTS

PROPOSED
DRAINAGE AND
UTILITIES PLAN



SPRUHAN ENGINEERING
P.C.

80 JEWETT ST. (SUITE 1)
NEWTON, MA 02458

Tel: 617-816-0722
Email: edmond@spruhaneng.com

