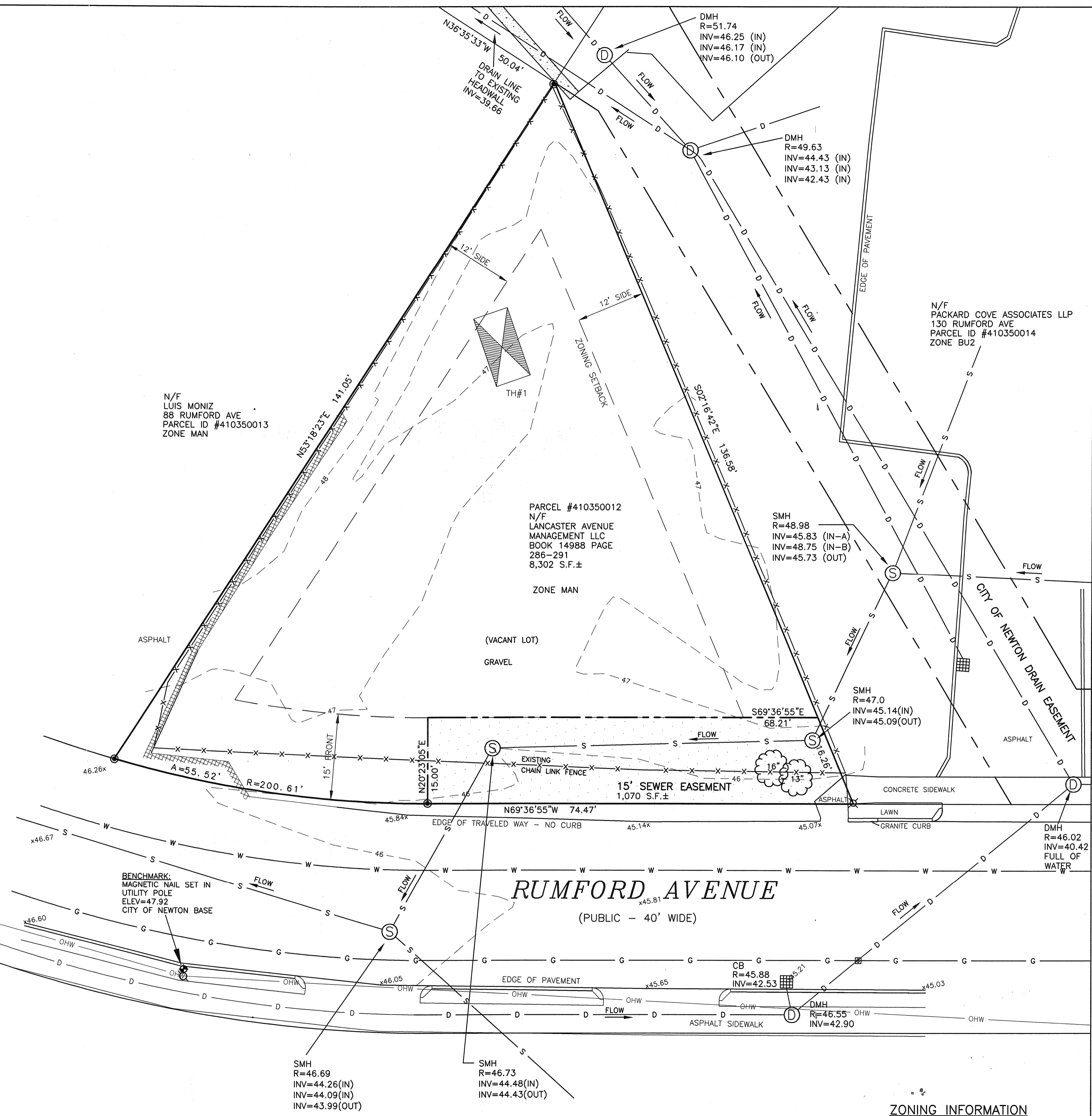


**GENERAL NOTES:**

- ELEVATIONS REFER TO CITY OF NEWTON BASE. BENCHMARK: MAGNETIC NAIL SET IN UTILITY POLE IN FRONT OF LOCUS ELEVATION=47.92.
- THE LOCATION 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.
- MASSACHUSETTS STATE LAW REQUIRES UTILITY NOTIFICATION AT LEAST THREE BUSINESS DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL DIG-SAFE AT 811 OR 1-888-DIG-SAFE (1-888-344-7233) IN ORDER TO COMPLY WITH STATE LAW.
- THE CONTRACTOR MUST PROVIDE POLICE DETAILS, SCHEDULED 48 HOURS IN ADVANCE, FOR THE DIRECTION AND CONTROL OF TRAFFIC, AS REQUIRED BY THE CITY ENGINEER. ALL ROADS AFFECTED BY CONSTRUCTION SHALL ALWAYS REMAIN OPEN TO EMERGENCY VEHICLES. CONTRACTOR IS TO COORDINATE WITH POLICE AND FIRE DEPARTMENT TO ENSURE PUBLIC SAFETY.
- ALL WORK MUST BE DONE IN ACCORDANCE WITH "CITY OF NEWTON STANDARD SPECIFICATIONS" AND "CITY OF NEWTON CONSTRUCTION DETAILS", COPIES OF WHICH MAY BE OBTAINED AT THE ENGINEERING OFFICE. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF NEWTON ENGINEERING DEPARTMENT.
- NO EXCAVATION IS ALLOWED WITHIN ANY CITY RIGHT-OF-WAY BETWEEN NOVEMBER 15TH AND APRIL 15TH. IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, APPLICANT MAY SEEK PERMISSION FOR SUCH WORK FROM THE CITY DPW COMMISSIONER VIA THE CITY ENGINEER. IF PERMISSION IS GRANTED, SPECIAL CONSTRUCTION STANDARDS WILL BE APPLIED. APPLICANT OR APPLICANT'S REPRESENTATIVE MUST CONTACT THE CITY OF NEWTON ENGINEERING DEPARTMENT PRIOR TO START OF WORK FOR CLARIFICATION.
- ALL CONSTRUCTION ACTIVITIES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY MUST FULLY COMPLY WITH ALL CITY OF NEWTON CONSTRUCTION SPECIFICATIONS AS WELL AS 521 CMR 21.00 AND 22.00.
- ALL WORK SHALL BE SUBJECT TO THE INSPECTION BY AND APPROVAL OF THE CITY ENGINEER.
- 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, BY REGISTERED MAIL, WRITTEN 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.
- NO WORK SHALL BE PERFORMED UNTIL THE NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF NEWTON PUBLIC WORKS DEPARTMENT.
- ALL TRENCHES IN PAVED STREETS SHALL BE TEMPORARILY PATCHED WITH 1.5 INCH DEPTH OF BITUMINOUS CONCRETE, LAID HOT AND MAINTAINED UNTIL THE PERMANENT PATCH IS INSTALLED.
- EXCEPT FOR GAS SERVICES, ALL UTILITY TRENCHES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY WILL BE BACK FILLED WITH TYPE I (EXCAVATABLE) CONTROLLED DENSITY FILL AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS. EXCAVATABLE FLOW FILL WITH EXTEND TO WITHIN 18" OF ROADWAY ASPHALT.
- THE APPLICANT WILL HAVE TO APPLY FOR STREET OPENING, UTILITY CONNECTION, AND AN INSTALL CURB & SIDEWALK PERMITS WITH THE DPW PRIOR TO START OF WORK.
- AS OF JANUARY 1, 2009, ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. TRENCH EXCAVATION PERMIT REQUIRED. THIS APPLIES TO ALL TRENCHES ON PUBLIC AND PRIVATE PROPERTY.
- IN CASES WHERE LEDGE OR BOULDERS ARE ENCOUNTERED, EVERETT M. BROOKS CO. INC. WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.
- AFTER ALL ENGINEERING PERMITS ARE OBTAINED, THE CONTRACTOR NEEDS TO NOTIFY THE ENGINEERING DIVISION CONSTRUCTION INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE SITE UTILITIES AND STORMWATER COMPONENTS INSPECTED. THE SYSTEM & UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM & UTILITIES MAY BE BACKFILLED.
- APPROVAL OF THIS PLAN BY THE 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 REPRESENTATIONS 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 LIABILITIES FOR DESIGN ASSUMPTIONS, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.
- PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35.
- PROPOSED DOMESTIC WATER SERVICE SHALL BE 1" TYPE K COPPER.
- PROPOSED DRAIN PIPES SHALL BE A MINIMUM OF 4" PVC PIPING. ANY DRAIN PIPES WITH LESS THAN FOUR (4) FEET OF COVER UNDER ROADWAYS AND DRIVEWAYS SHALL BE PVC SCHEDULE 80 OR DUCTILE IRON (H2O LOADING).
- PROPOSED SEWER SERVICE LINE SHALL BE PRESSURE TESTED PRIOR TO USE.
- THE EXISTING WATER SERVICE MUST BE COMPLETELY REMOVED FROM THE DWELLING TO THE CORPORATION AT THE MAIN. THE CORPORATION SHALL BE CALLED, AND A NEW TAP SHALL BE MADE FOR THE NEW SERVICE. EACH PHASE OF THIS PROCESS MUST BE INSPECTED BY A REPRESENTATIVE OF THE ENGINEERING DIVISION. FAILURE TO HAVING THIS INSPECTION PERFORMED, MAY RESULT IN THE DELAY OR DENIAL OF A WATER SERVICE PERMIT.
- THE EXISTING SEWER SERVICE MUST BE COMPLETELY REMOVED FROM THE DWELLING TO THE MAIN. THE REMOVAL, ALONG WITH THE NEW CONNECTION MUST BE INSPECTED BY A REPRESENTATIVE OF THE ENGINEERING DIVISION. FAILURE TO HAVING THESE INSPECTIONS PERFORMED, MAY RESULT IN THE DELAY OR DENIAL OF A SEWER SERVICE PERMIT.
- THE NEW SEWER SERVICE(S) AND/OR STRUCTURE(S) SHALL BE PRESSURE TESTED OR VIDEOTAPE AFTER FINAL INSTALLATION IS COMPLETE. METHOD OF FINAL INSPECTION SHALL BE DETERMINED SOLELY BY THE CONSTRUCTION INSPECTOR FROM THE CITY ENGINEERING DIVISION. THE SEWER SERVICE WILL NOT BE ACCEPTED UNTIL ONE OF THE TWO METHODS STATED ABOVE IS COMPLETED. A CERTIFICATE OF OCCUPANCY WILL NOT BE RECOMMENDED UNTIL ALL PIPING AND STRUCTURES ARE TESTED AND PASS.
- THE NEW WATER SERVICE SHALL BE INSTALLED IN CONJUNCTION WITH THE CITY OF NEWTON UTILITIES DIVISION. THE OWNER/CONTRACTOR MAY OBTAIN A WATER SERVICE APPLICATION BY CONTACTING THE UTILITIES DIVISION (617) 796-1640 OR BY VISITING THE CITY OF NEWTON WEBSITE AND CLICK THE LINK FOR PUBLIC WORKS / UTILITIES DIVISION. AFTER THE APPLICATION IS PAID IN FULL THE OWNER/CONTRACTOR SHALL FOLLOW THE INSTRUCTIONS PLAN NOTES MENTIONED AND FOLLOWING.
- WHENEVER PROPOSED SEWER PIPE DOES NOT HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION OR IS NOT AT LEAST 18" VERTICALLY BELOW THE EXISTING OR PROPOSED WATER PIPE, THE SEWER PIPE SHALL BE ENCASED IN CONCRETE.
- ALL OF THE ROOF RUNOFF FROM THE PROPOSED ROOF SURFACES SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO THE PROPOSED DRAINAGE SYSTEMS INDICATED.
- ALL TOPSOIL, SUBSOIL OR IMPERVIOUS SOIL MUST BE EXCAVATED AND REMOVED BELOW THE LEACHING ARE AND TO A DISTANCE 5' LATERALLY IN ALL DIRECTIONS BEYOND THE SIDES OF THE AREA. BACKFILL IS REQUIRED WITH 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.
- THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND.
- ALL PROPOSED WALLS BY OTHERS.
- CONSTRUCTION FENCING AND SILT FENCING SHALL BE PLACED AROUND THE ENTIRE SITE, AS REQUIRED. THE CONTRACTOR SHALL REGULARLY INSPECT AND MAINTAIN THE EROSION AND SEDIMENT CONTROLS MEASURES.
- PER CITY OF NEWTON ORDINANCE NO.8-42, COUNCIL ITEM #251-19, BUILDING SEWER, WATER SERVICE PIPE AND SIDEWALK/CURB REPLACEMENT ORDINANCE, THE APPLICANT IS REQUIRED TO INSTALL/REPLACE SIDEWALK AND CURB ALONG THE ENTIRE FRONTAGE. THIS SHALL INCLUDE APPROPRIATE TRANSITION TO ADJOINING CURBING AND WALKWAYS, INCLUDING ACCESSIBLE CURB CUTS AND OTHER ACCESS AS REQUIRED. THE ENGINEERING CONSTRUCTION INSPECTOR DECIDES, BASED ON THE MATERIAL AND MANNER OF CONSTRUCTION OF THE EXISTING SIDEWALK AND CURB, THAT THE EXISTING SIDEWALK AND CURB CAN BE RE-SET OR REUSED WITHOUT REPLACEMENT.
- 5 YEAR MORATORIUM APPLIES - IF AT TIME OF CONSTRUCTION THE ROADWAY IS UNDER A 5-YEAR MORATORIUM, THE ROADWAY MUST BE MILLED AND PAVED GUTTER-TO-GUTTER FOR 25 FEET IN EACH DIRECTION FROM THE OUTERMOST TRENCHES.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS AND AS-BUILT LOCATIONS. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE ON-SITE INSPECTIONS OF ALL SUBSURFACE STRUCTURES. THIS INCLUDES BUT 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" INSPECTIONS PRIOR TO SUBSURFACE DRAINAGE SYSTEM(S) BEING INSTALLED. CONTRACTOR TO NOTIFY ENGINEER BEFORE BACKFILLING OR SIGN OFF CANNOT OCCUR WITHOUT RE-EXCAVATION.
- ALL WATER WORK MUST BE PERFORMED IN CONJUNCTION WITH THE CITY OF NEWTON UTILITIES DIVISION DPW.
- PRIOR TO THE ISSUANCE OF AN OCCUPANCY PERMIT, AN AS-BUILT SHALL BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL AND IN HARD COPY. THE PLAN MUST SHOW ALL UTILITIES AND DRAINAGE (UTILIZING SWING TIES), ANY EASEMENTS AND FINAL GRADING.
- PLEASE SEE SECTION 6-C REQUIREMENTS #6 OF THE STORMWATER MANAGEMENT AND EROSION CONTROL RULES & REGULATIONS PAGE 11 OF 17, POST CONSTRUCTION OPERATION AND MAINTENANCE PLAN (O&M). THE O & M PLAN MUST BE RECORDED AT THE APPROPRIATE REGISTRY OF DEEDS AND THAT PROOF OF RECORDING MUST BE PROVIDED TO THE ENGINEERING DIVISION PRIOR TO THE RECOMMENDATION OF THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- ALL TREE REMOVAL SHALL COMPLY WITH THE CITY OF NEWTON TREE ORDINANCE.
- THE APPLICANT WILL HAVE TO APPLY FOR A BUILDING PERMIT WITH THE DEPARTMENT OF INSPECTORIAL SERVICE PRIOR TO ANY CONSTRUCTION.
- ALL SITE WORK INCLUDING TRENCH RESTORATION MUST BE COMPLETED BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED.
- IF ANY CHANGES FROM THE ORIGINAL APPROVED DESIGN PLAN ARE REQUIRED DUE TO UNFORESEEN SITE CONDITIONS, THE ENGINEER OF RECORD SHALL SUBMIT A REVISED DESIGN THAT IS STAMPED AND SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONTINUING CONSTRUCTION.
- THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION ACTIVITIES TO MINIMIZE THE POTENTIAL FOR SOIL, STONE OR SEDIMENT TO MIGRATE OFF-SITE; DIVERT FLOWS AROUND BARE SOILS, TO THE MAXIMUM EXTENT PRACTICABLE; STABILIZE UNVEGETATED AREAS AS SOON AS PRACTICAL AND PREVENT POLLUTANTS FROM ENTERING THE CITY'S STORM DRAINAGE SYSTEM.

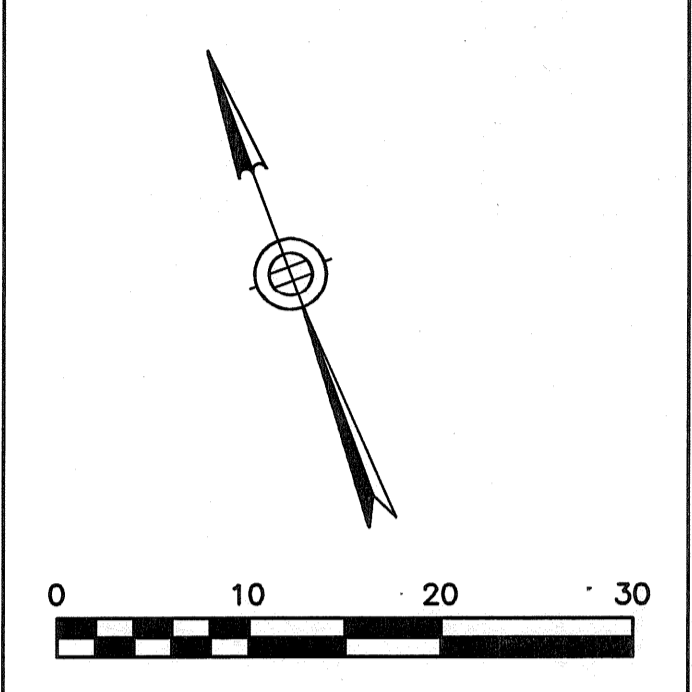


**EXISTING CONDITIONS**  
SCALE: 1 IN. = 10 FT.

**ZONING INFORMATION**

ZONING: MANUFACTURING  
 PLAN REFERENCE: CITY OF NEWTON PLAN 35917  
 JANUARY 17, 1983  
 EXISTING  
 BUILDINGS 0 S.F.  
 STRUCTURES 0 S.F.  
 DRIVEWAY 0 S.F.  
 LOT COVERAGE 0 %  
 OPEN SPACE 100 %

ESTABLISHED 1916  
**EMB**  
 EVERETT M. BROOKS CO.  
 SURVEYORS & ENGINEERS  
 49 LEXINGTON STREET  
 WEST NEWTON, MA 02465  
 (617) 527-8750  
 info@everettbrooks.com



**LEGEND**

- UTILITY POLE
- WATER GATE
- HYDRANT
- GAS GATE
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- TREE
- LIGHT POLE
- SIGN
- TBR TO BE REMOVED
- TBA TO BE ABANDONED
- VGC VERTICAL GRANITE CURB
- EOP EDGE OF PAVEMENT
- TH#1 DEEP TEST HOLE
- PT#1 PERCOLATION TEST
- 71.4 X SPOT ELEVATION
- [71] PROPOSED CONTOUR
- 71— EXISTING CONTOUR
- D DRAIN LINE
- RD DRAIN LINE
- W WATER LINE
- S SEWER LINE
- G GAS LINE
- T TELEPHONE LINE
- E ELECTRIC LINE
- OHW OVERHEAD WIRES
- X FENCE
- STONEWALL
- HEDGE
- TREE LINE

STATE OF MASSACHUSETTS  
 MICHAEL S. KOSBLO  
 CIVIL  
 No. 31480  
 LAND SURVEYOR  
 ERIC R. BRADFORD  
 CIVIL  
 No. 58876  
 LAND SURVEYOR  
 7/19/23

**SITE PLAN OF LAND IN NEWTON, MA**  
 RUMFORD AVENUE  
 SCALE: 1 IN. = 10 FT.  
 DATE: SEPTEMBER 14, 2023  
 DRAWN: LNS & ES  
 CHECK: MSK & BB  
 REVISIONS:  
 PROJECT NO. 26736 SHEET 1 OF 2

**SOIL LOG** DATE: 3/22/23

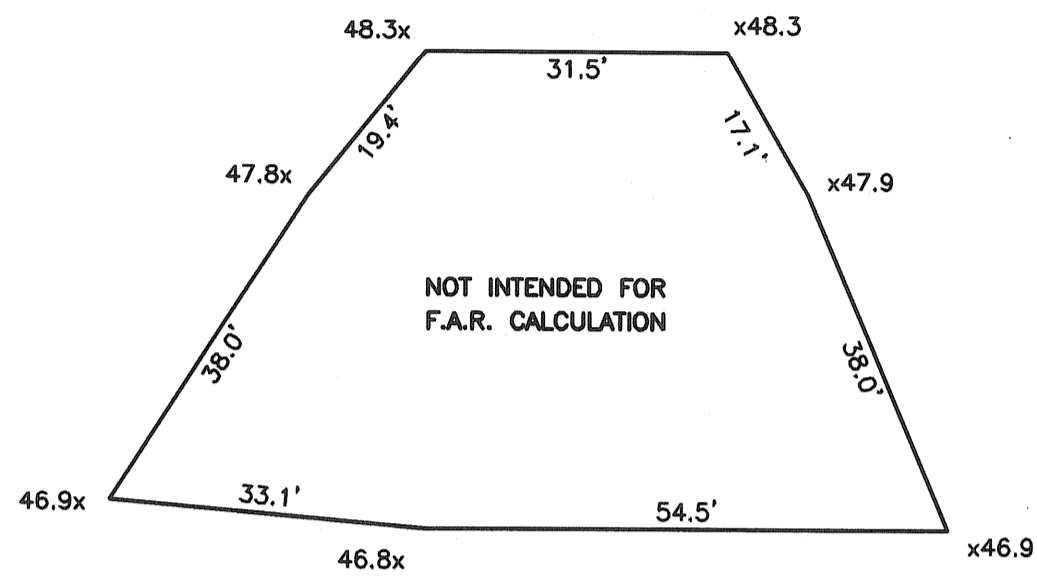
TEST HOLE #1 (TP#1)  
 SURFACE ELEVATION = 47.0

ELEVATION	FILL
0-12"	FILL 46.0
12-27"	FILL 44.75
27-31"	FILL 44.42
31-90"	FILL 39.50

BOTTOM OF TEST HOLE = 39.5

REDOX AT 19", ELEVATION = 45.42  
 STANDING WATER AT 58", ELEVATION = 42.17  
 NO REDOX WAS OBSERVED IN TOP 0-19"  
 GROUNDWATER AT 19" BASED ON REDOX OBSERVED, ELEVATION = 45.42

SOIL EVALUATOR:  
 MARK R. ARNOLD, WETLAND ENGINEER  
 CPESC, LICENSED SOIL EVALUATOR #14414



NOTE: ELEVATIONS REFER TO LOWEST FINISHED GRADE WITHIN 6' OF FOUNDATION.

AVERAGE GRADE PLANE CALCULATION:  
 [SEC 1.5.4(F)]

AVG GRADE PLANE =  $\frac{\sum(L(E1+E2)/2)}{P}$   
 AVG GRADE PLANE = 10,980.69 / 231.6 = 47.4

AVERAGE GRADE PLANE DETAIL  
 N.T.S.

**IMPERVIOUS AREAS**

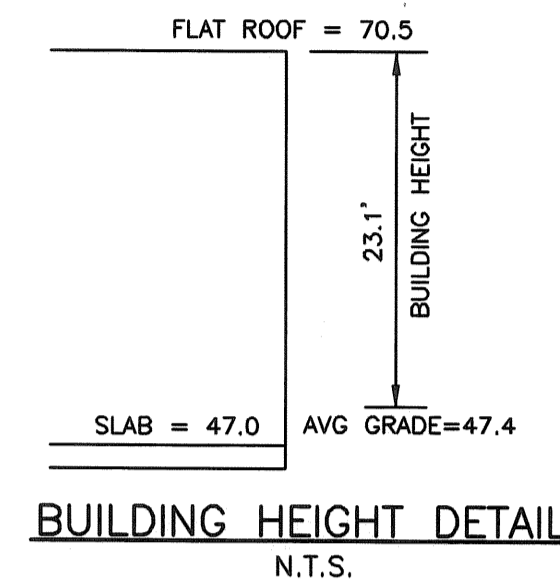
	EXISTING	PROPOSED
BUILDING	-	3,047 S.F.
DRIVEWAY	239 S.F.	3,123 S.F.
WALKS/PATIOS/WALLS	-	124 S.F.
	239 S.F.	6,294 S.F.
IMPERVIOUS INCREASE	= 6,055 S.F.	
(EXISTING GRAVEL = 8,063 S.F.)		

**ZONING INFORMATION**

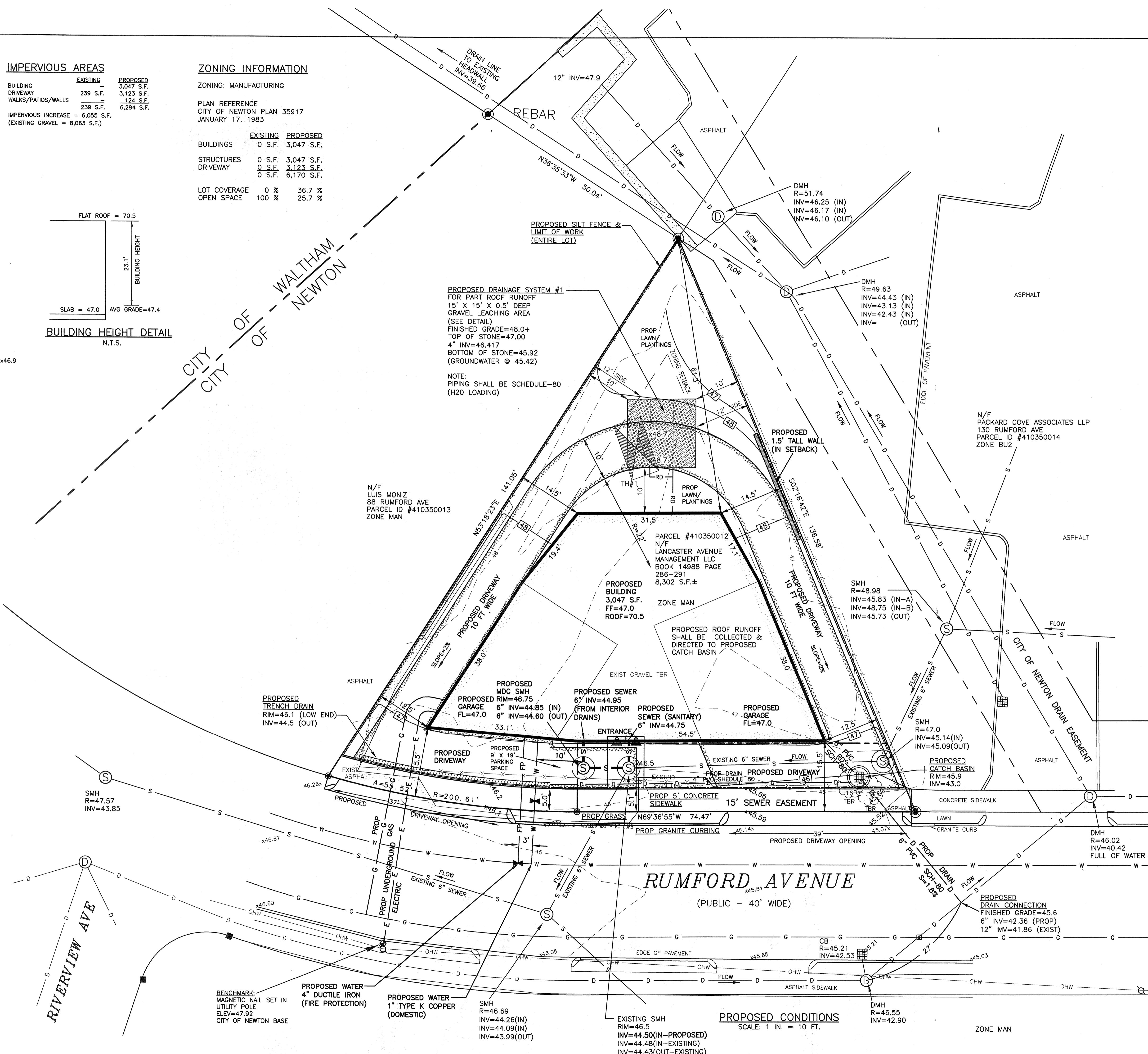
ZONING: MANUFACTURING

PLAN REFERENCE  
 CITY OF NEWTON PLAN 35917  
 JANUARY 17, 1983

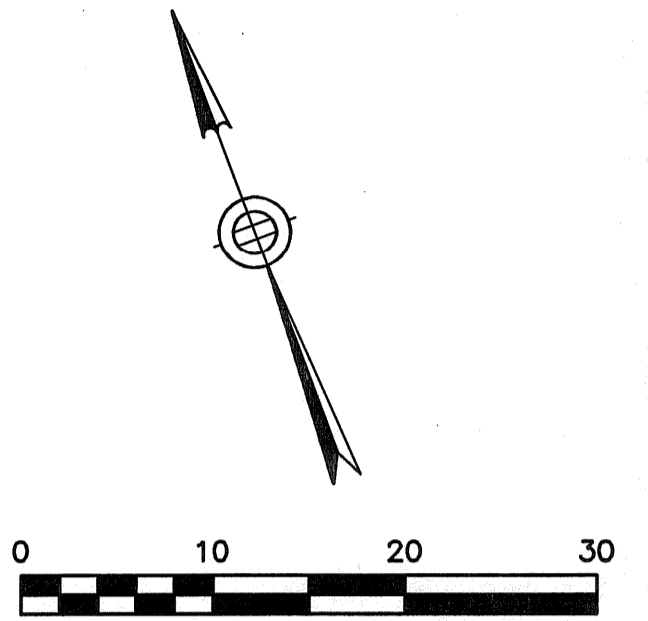
	EXISTING	PROPOSED
BUILDINGS	0 S.F.	3,047 S.F.
STRUCTURES	0 S.F.	3,047 S.F.
DRIVEWAY	0 S.F.	3,123 S.F.
	0 S.F.	6,170 S.F.
LOT COVERAGE	0 %	36.7 %
OPEN SPACE	100 %	25.7 %



CITY OF WALTHAM  
 CITY OF NEWTON



ESTABLISHED 1916  
**EMB**  
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**LEGEND**

- UTILITY POLE
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- HEDGE
- TREE LINE

COMMITTEE OF MASSACHUSETTS  
 MICHAEL S. KOSMO  
 CIVIL  
 No. 31480  
 11/14/23

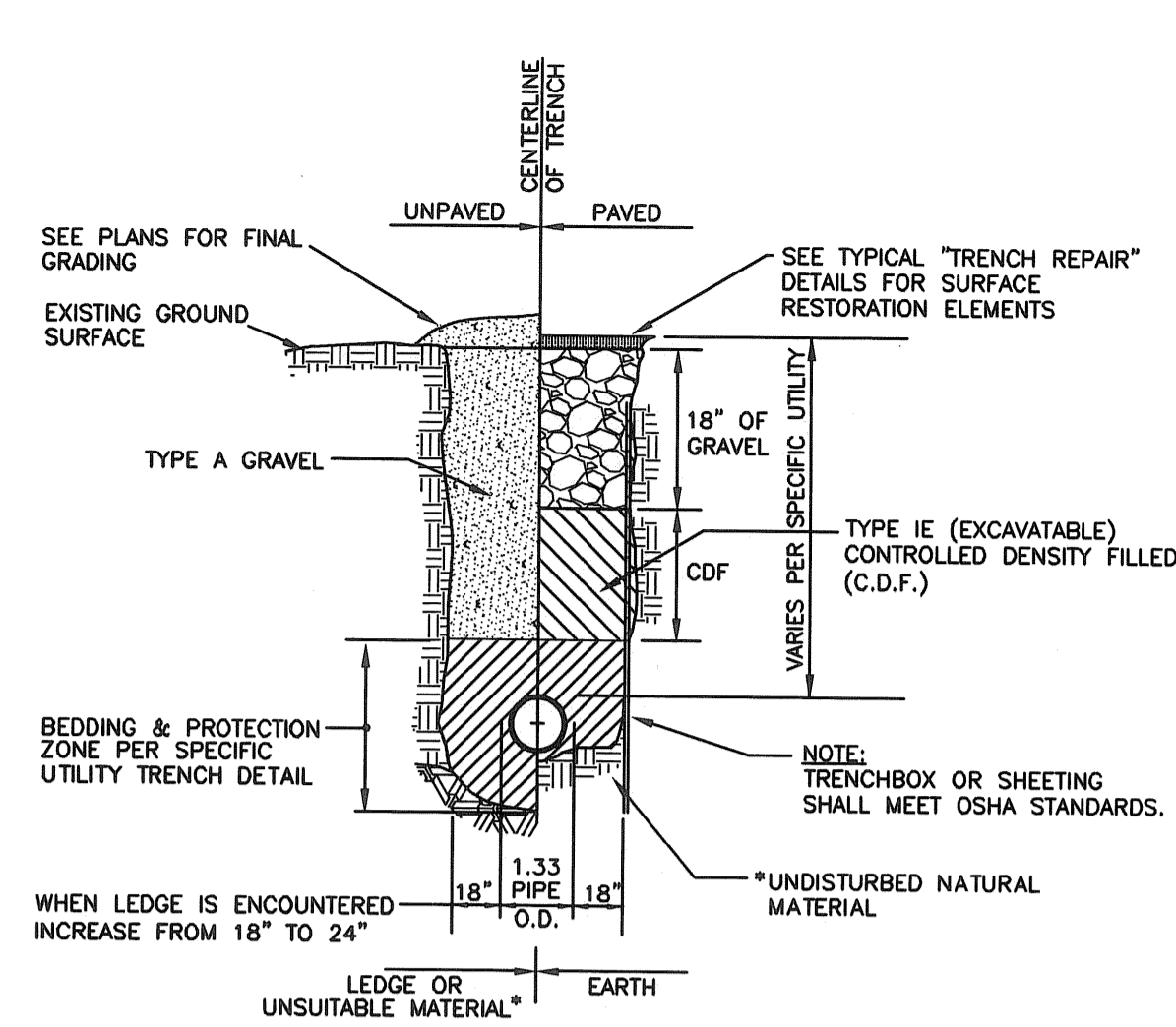
BRUCE BRADFORD  
 No. 38376  
 PROFESSIONAL  
 LAND SURVEYOR  
 9/14/23

**SITE PLAN OF LAND IN NEWTON, MA**  
 RUMFORD AVENUE

SCALE: 1 IN. = 10 FT.  
 DATE: SEPTEMBER 14, 2023  
 DRAWN: LNS & ES  
 CHECK: MSK & BB

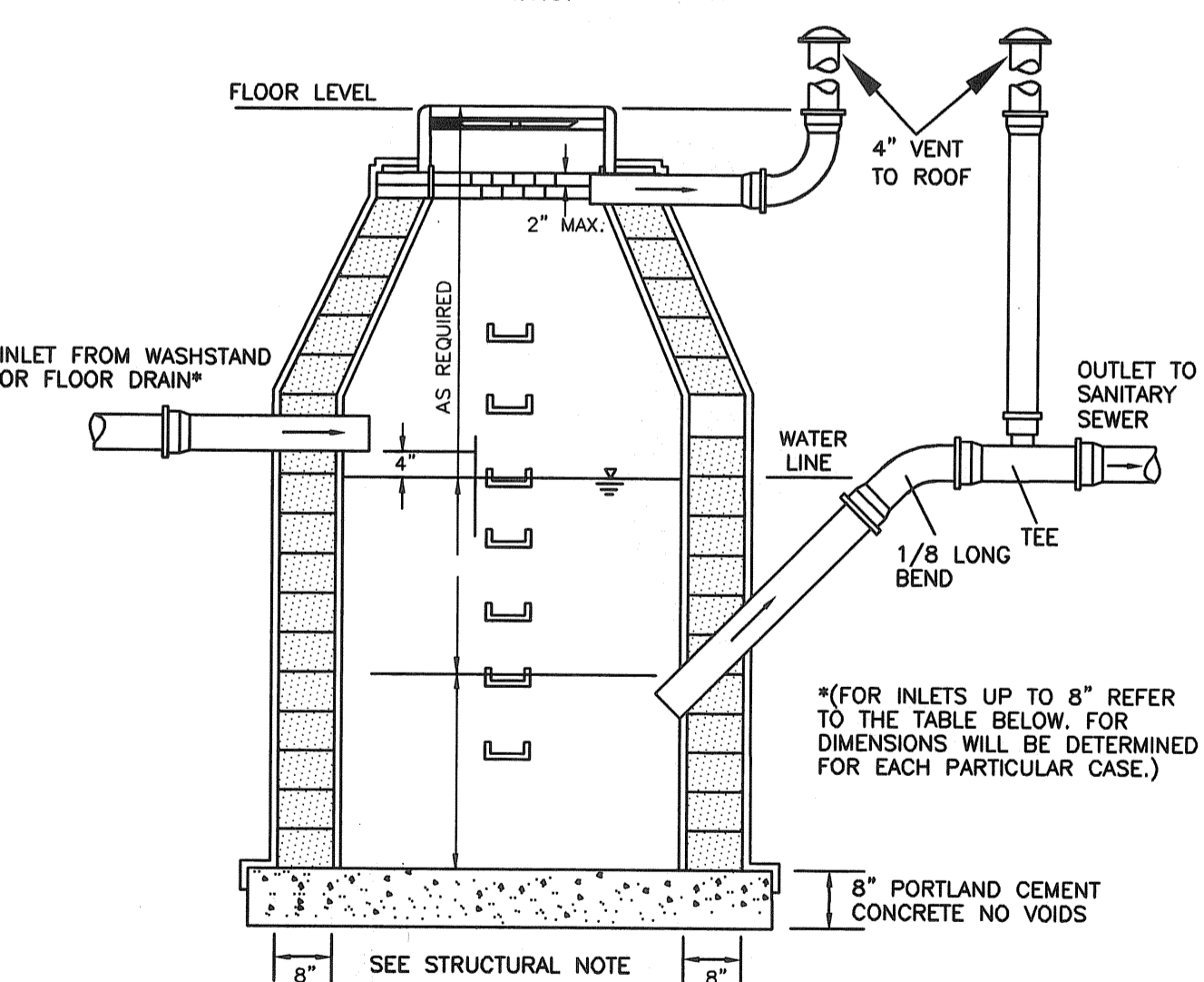
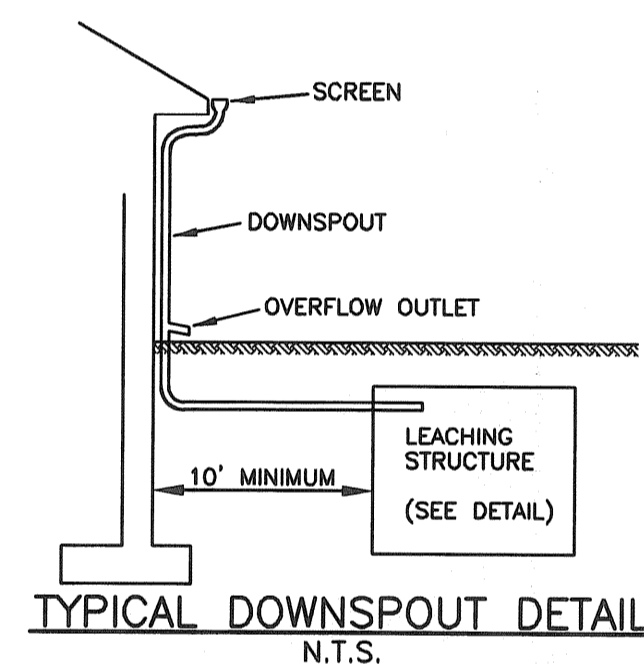
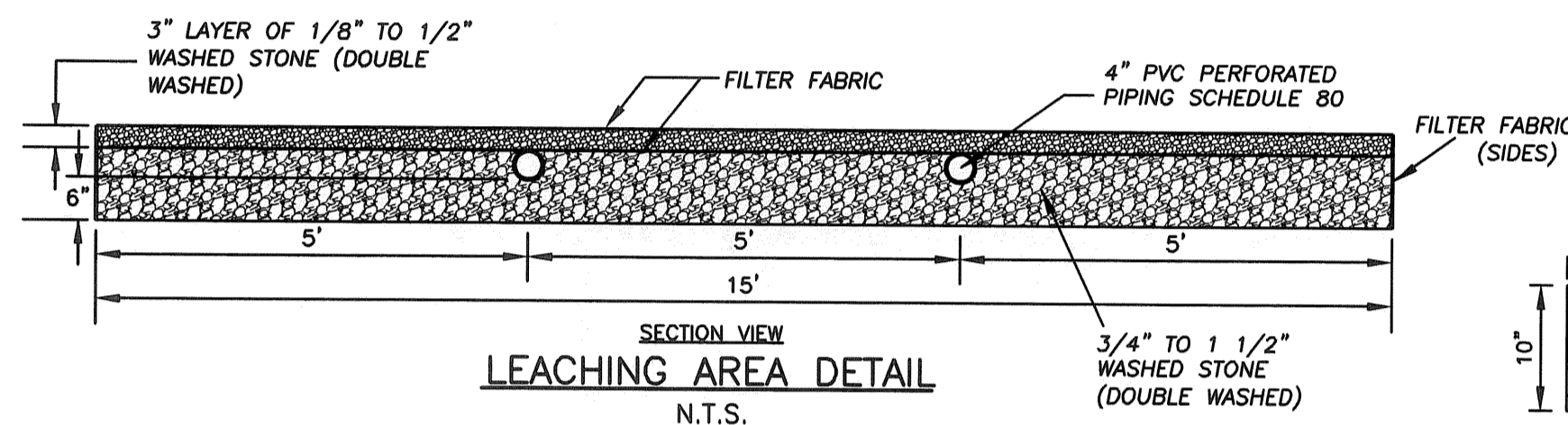
REVISIONS:

NO.	DESCRIPTION



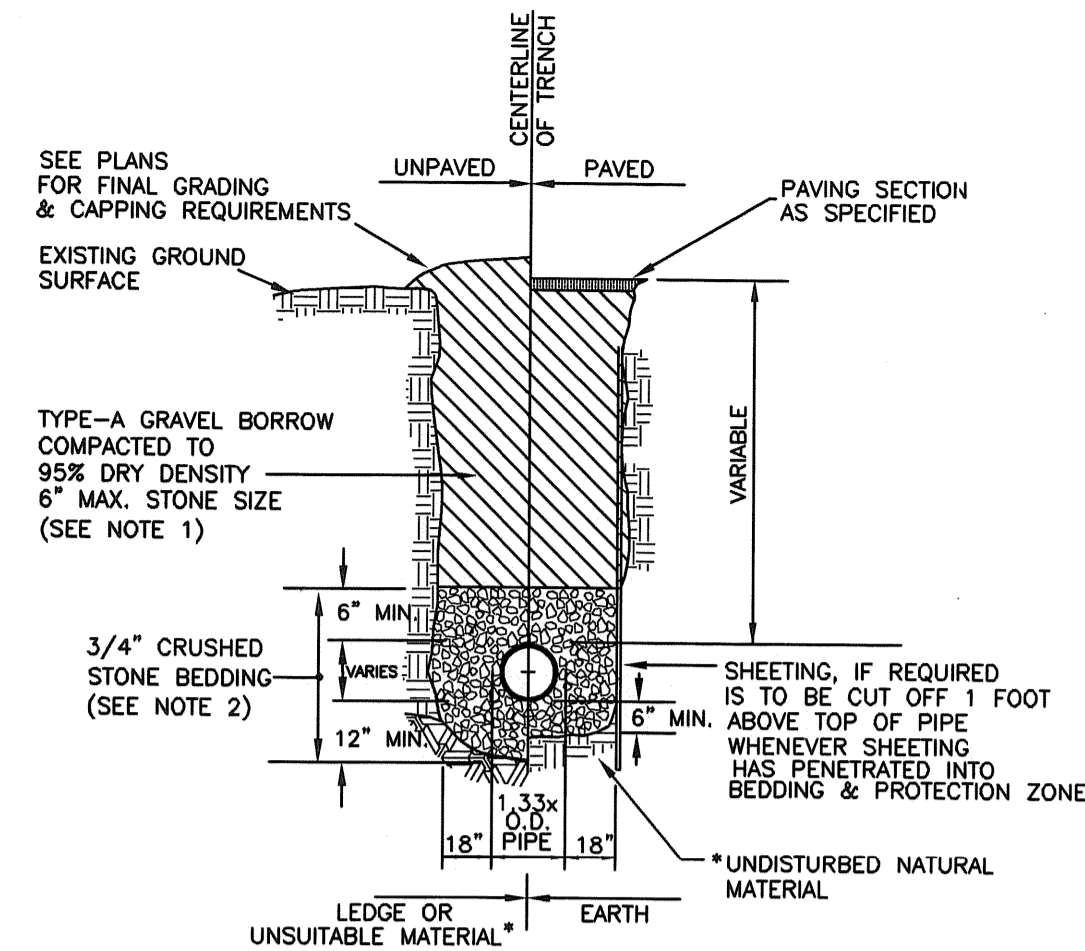
\*SUITABILITY OF MATERIALS IS TO BE DETERMINED BY THE CITY OF NEWTON.  
 NOTE: TRENCHBOX OR SHEETING SHALL MEET OSHA STANDARDS.

TYPICAL C.D.F. TRENCH DETAIL  
 N.T.S.



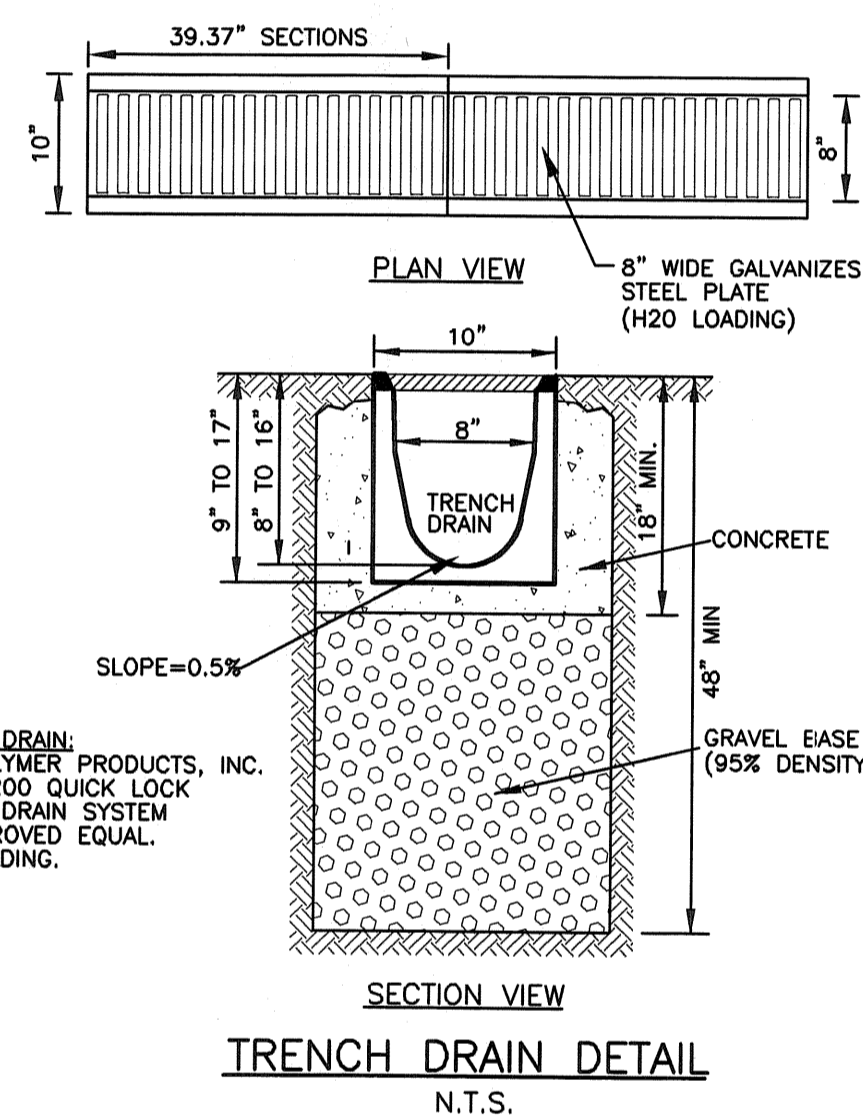
**STRUCTURAL NOTES:**  
 WALLS: 8" SOLID CONCRETE BLOCKS WITH FULL MORTARED JOINTS & KEYS PLASTERED INSIDE & OUTSIDE WITH 3/8" THICK MORTAR (SHOWN) OR 8" POURED IN PLACE CONCRETE OR 8" RED BRICK MASONRY PLASTERED WITH 3/8" THICK MORTAR ON THE INSIDE. OR PRECAST CONCRETE SECTIONS  
 PIPES: ALL PIPED BELOW FLOOR LEVEL (AND OR GRADE) ARE TO BE OF AN APPROVED DUCTILE IRON  
 STEPS: 1" NON-CORROSIVE AS APPROVED & SET 12" O.C.  
 GENERAL: BASIN IS TO BE FILLED WITH CLEAN WATER BEFORE USING AND AFTER BEING EMPLOYED FOR PERIODIC CLEANING.  
 ALL OIL & GASOLINE MUST BE REMOVED BEFORE CLEANING AND MUST BE DISCHARGED INTO THE SEWER SYSTEM.

STANDARD MDC CATCH BASIN/ MANHOLE  
 N.T.S.

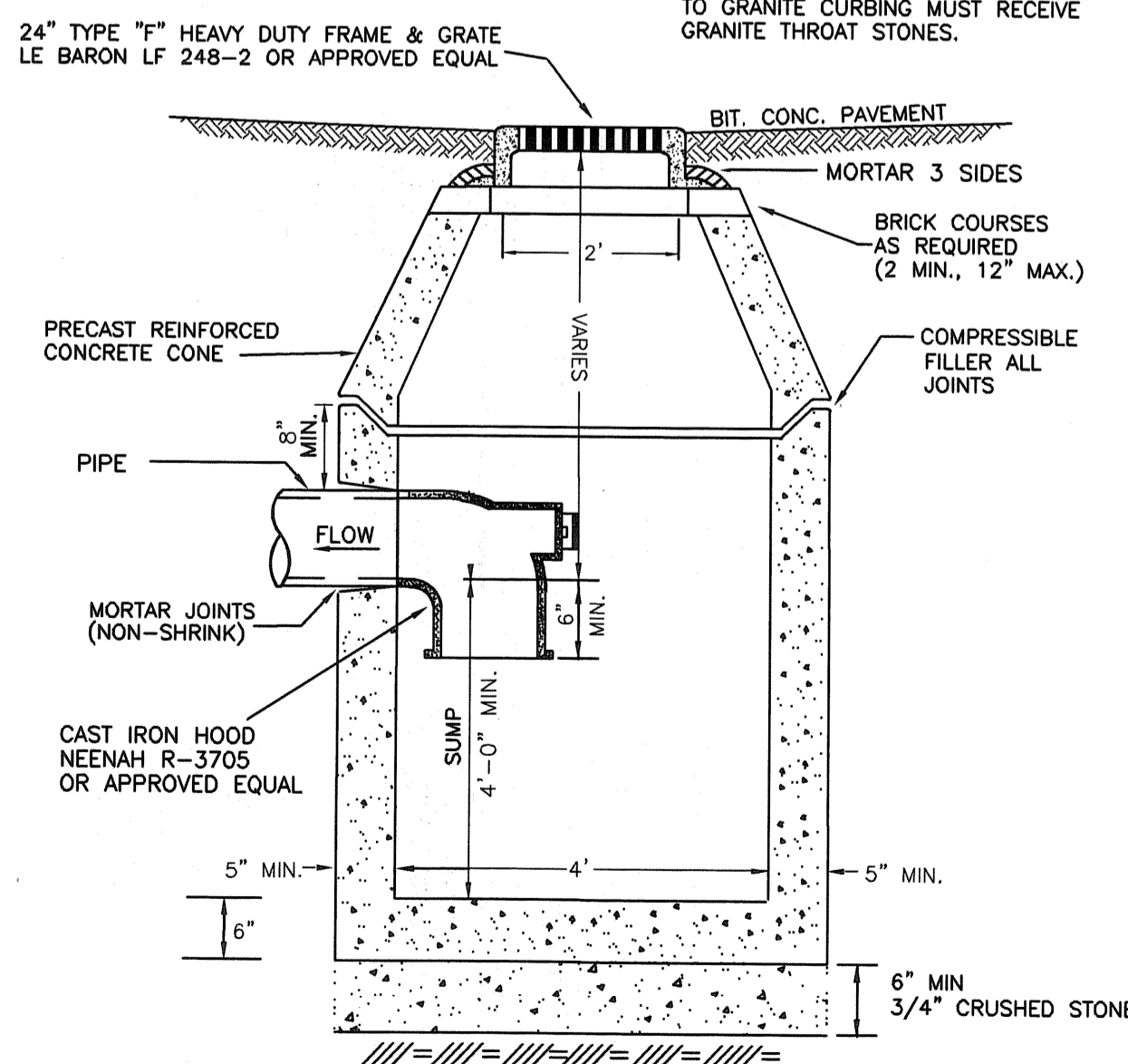


\*SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.  
 1. GRAVEL BORROW SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M1.03.0  
 2. CRUSHED STONE BEDDING SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M2.01.1

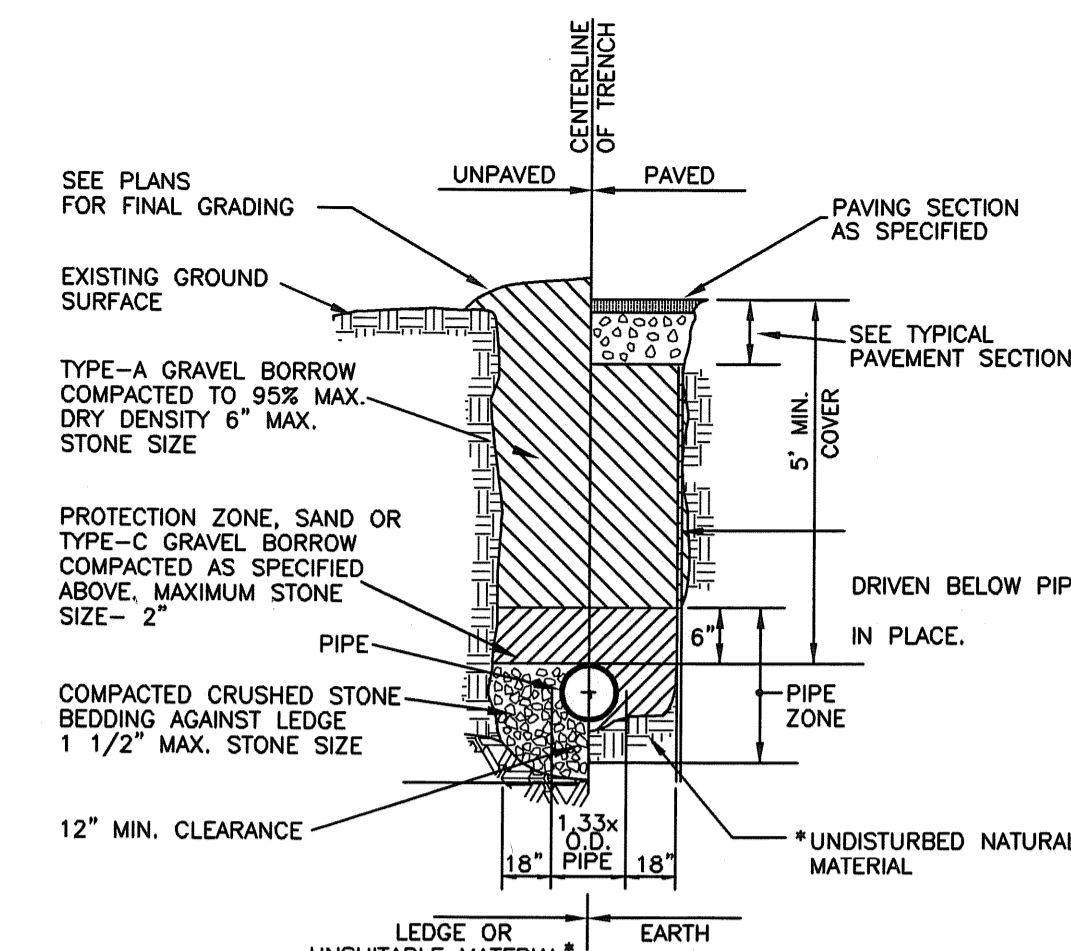
GRAVITY SEWER TRENCH DETAIL  
 N.T.S.



TRENCH DRAIN:  
 ACO POLYMER PRODUCTS, INC.  
 ACO KS200 QUICK LOCK TRENCH DRAIN SYSTEM OR APPROVED EQUAL. H2O LOADING.  
 NOTE: ALL CATCH BASINS SHALL MEET THE REQUIREMENTS OF THE CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS. ANY CATCH BASINS INSTALLED ADJACENT TO GRANITE CURBING MUST RECEIVE GRANITE THROAT STONES.

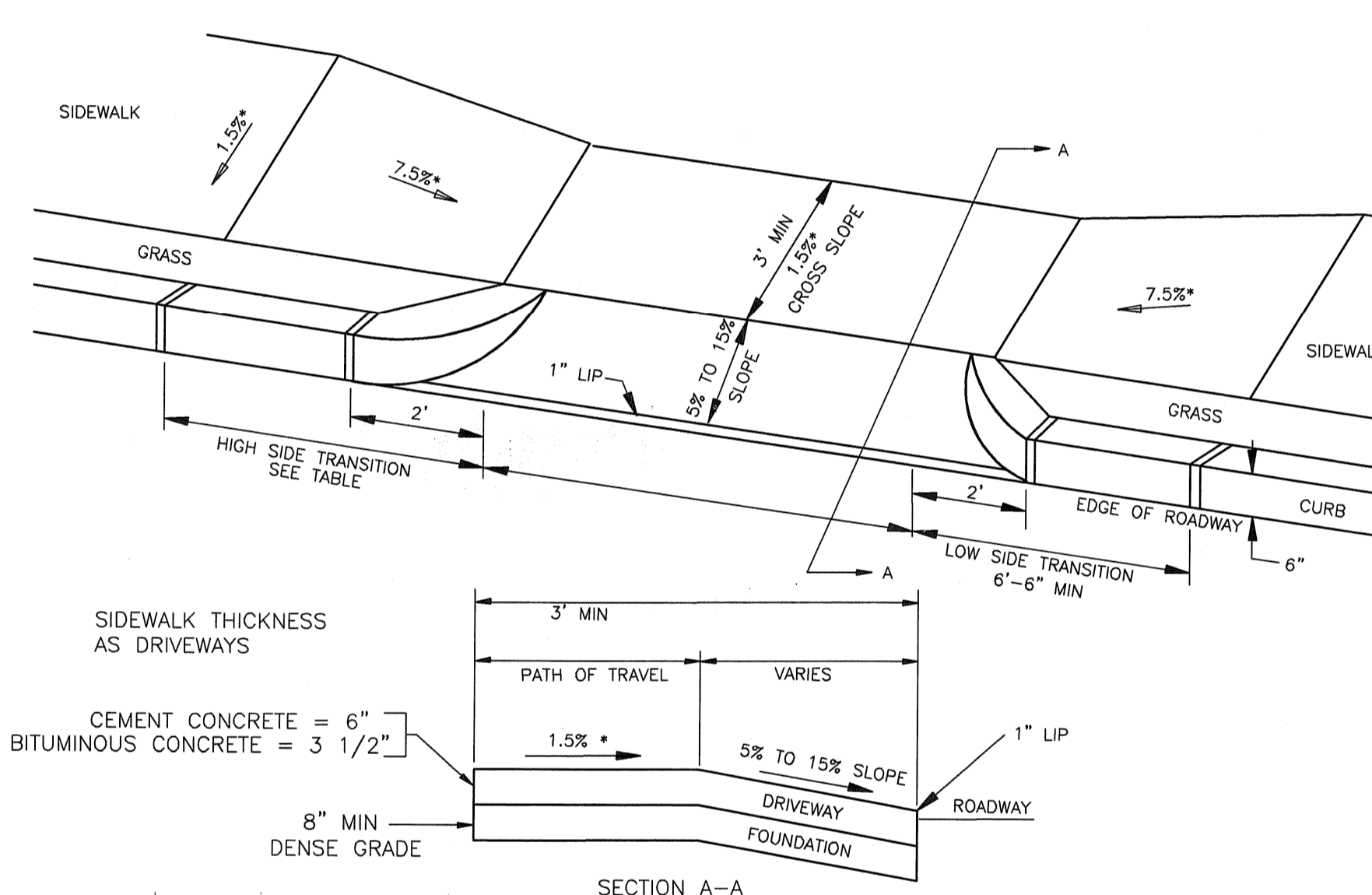


TYPICAL PRECAST CONCRETE CATCH BASIN WITH GAS TRAP  
 N.T.S.

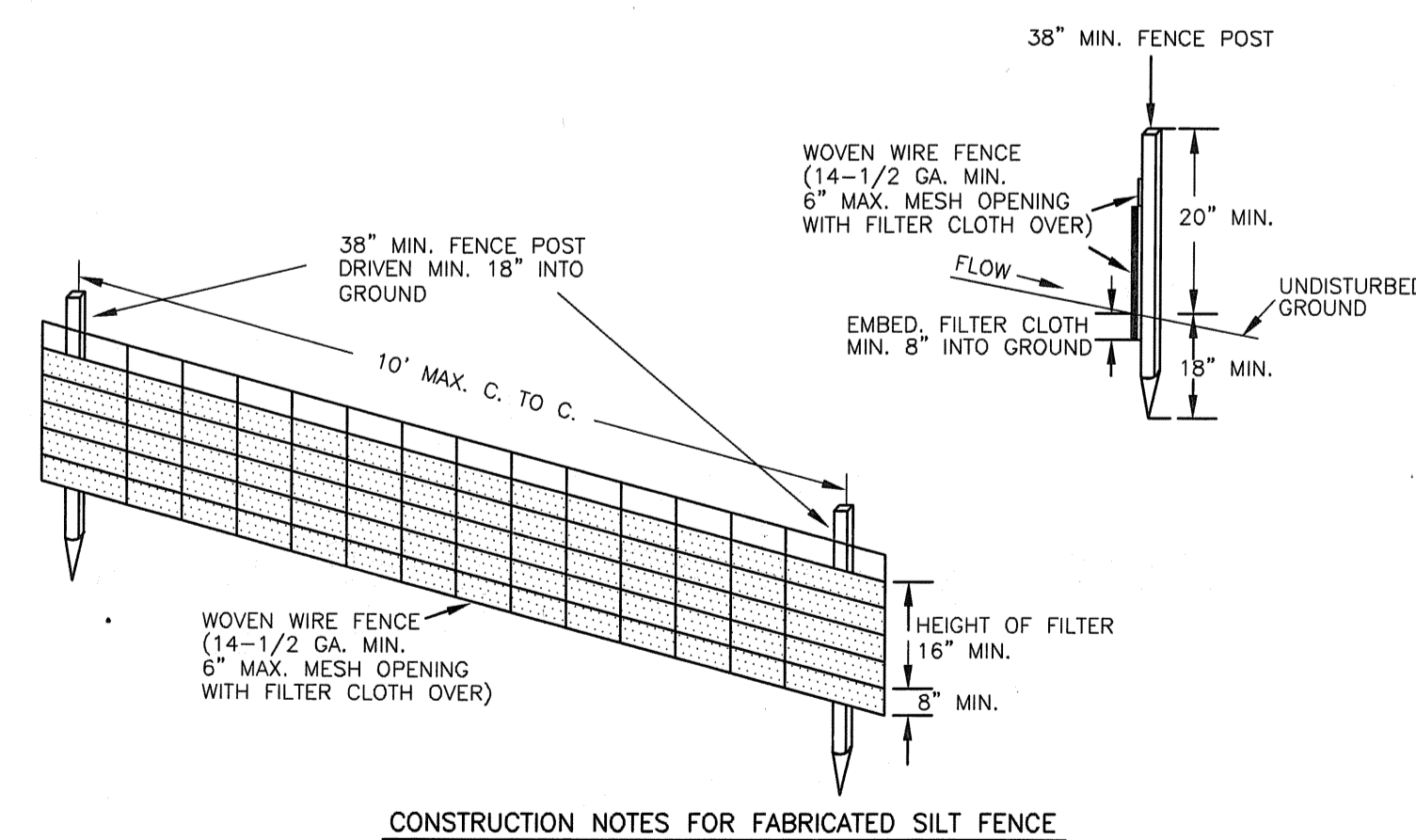


\*SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.  
 1. GRAVEL BORROW SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M1.03.0

TYPICAL WATER TRENCH DETAIL  
 N.T.S.

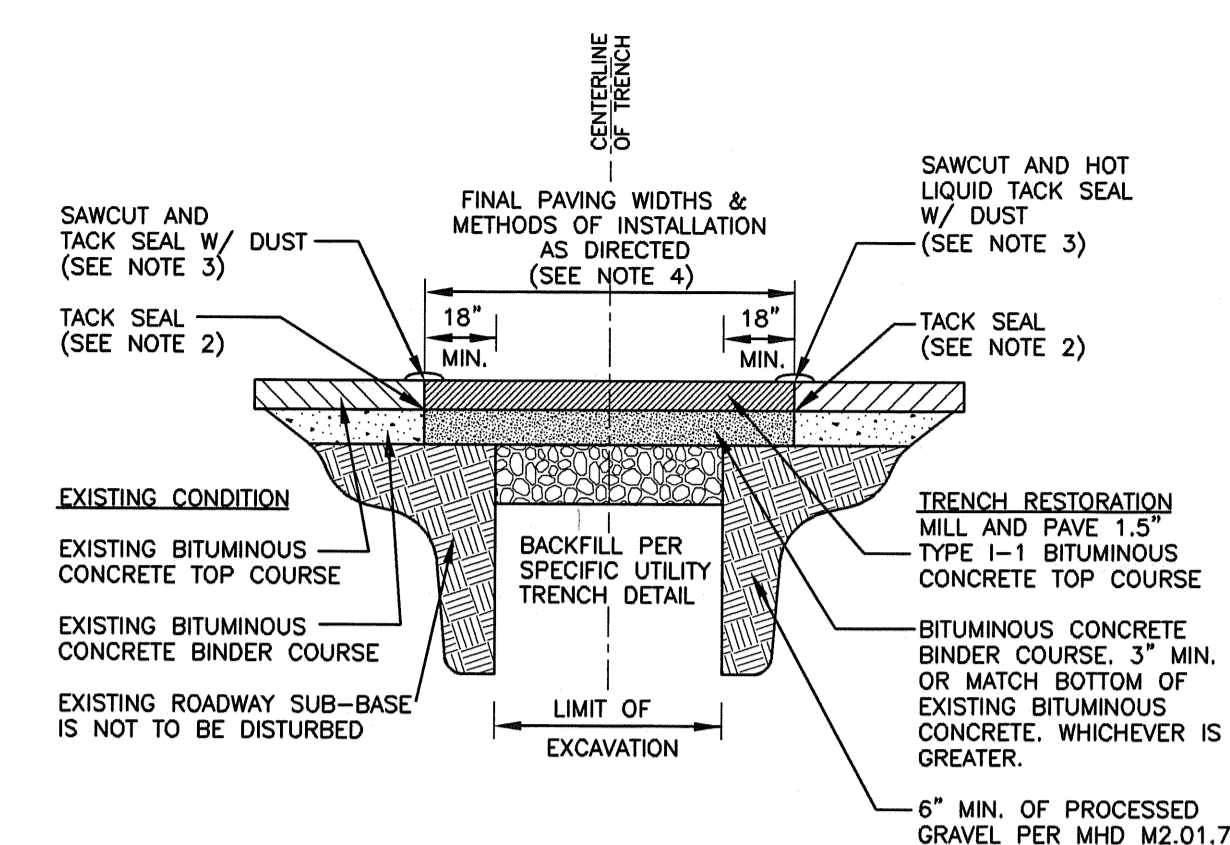


DRIVEWAY APRON WITH CORNER BLOCKS  
 N.T.S.



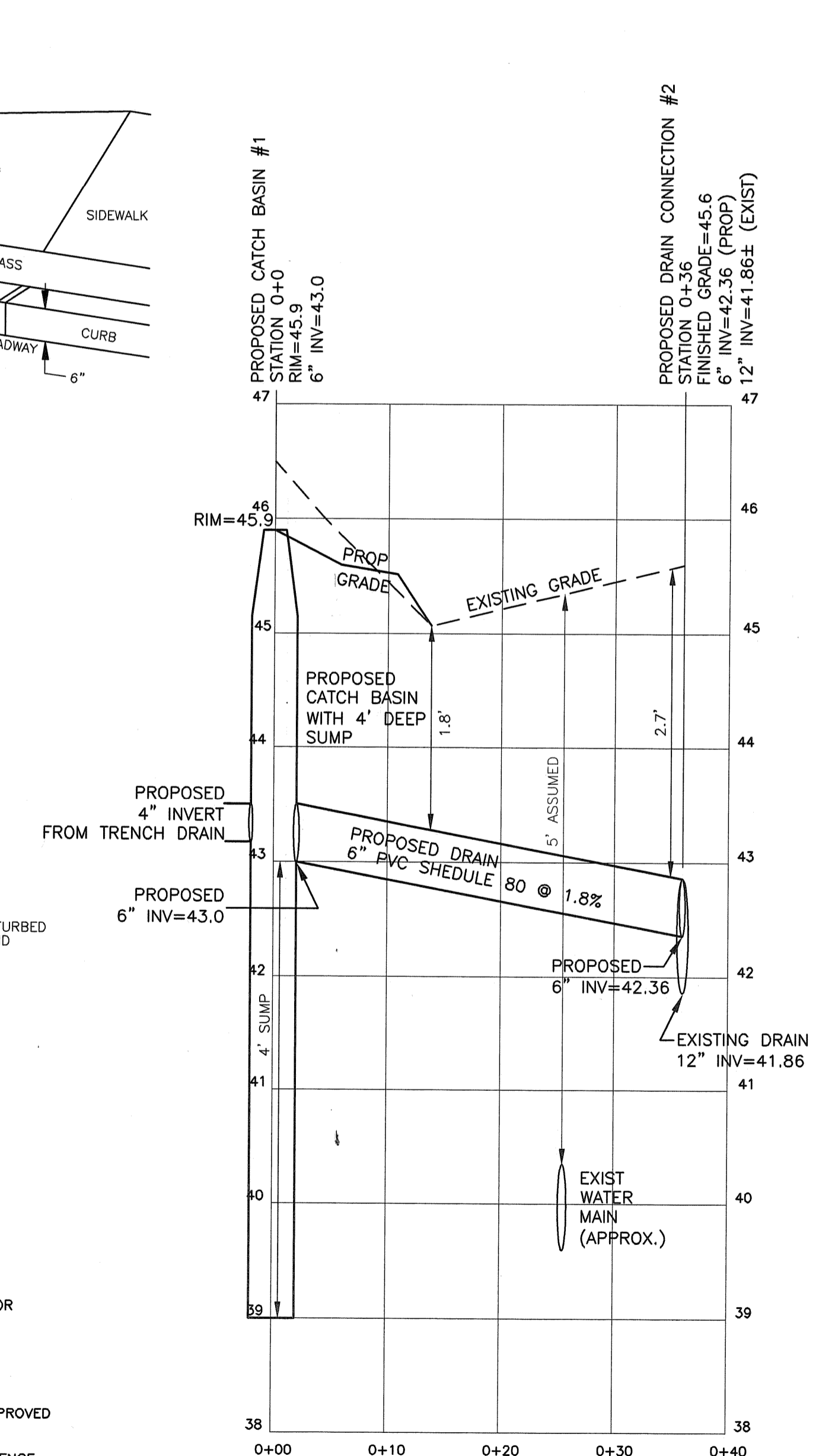
**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**  
 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.  
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.  
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.  
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.  
 POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD  
 FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING.  
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABLINKA T140N OR APPROVED EQUAL.  
 PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

SILT FENCE DETAIL  
 N.T.S.

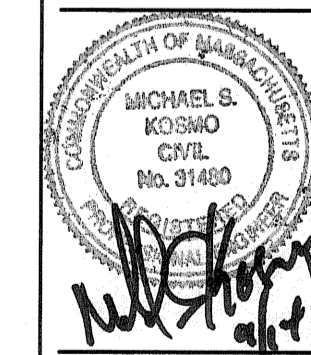


NOTES:  
 1. ALL INSTALLATION AND MATERIAL SPECIFICATIONS PER MASSDOT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 2020 AS AMENDED.  
 2. ALL EXPOSED BITUMINOUS CONCRETE IS TO BE TACKED PER MASSDOT PRIOR TO NEW BITUMINOUS CONCRETE INSTALLATIONS.  
 3. ALL EXPOSED JOINTS ARE TO BE SEALED WITH HOT LIQUID TACK AND STONE DUST.  
 4. ANY TOP COURSE APPLIED AT A WIDTH OF 6" WIDE OR GREATER IS TO BE PLACED BY MACHINE/BOX SPREADER WHEN & AS DIRECTED BY THE CITY OF NEWTON.  
 5. SUPERPAVE FOR PAVEMENT.

TYPICAL TRENCH REPAIR & PAVEMENT SECTION DETAIL  
 N.T.S.



PROPOSED DRAIN CONNECTION  
 VERTICAL SCALE: 1 IN. = 1 FT.  
 HORIZONTAL SCALE: 1 IN. = 10 FT.



**SITE PLAN OF LAND IN NEWTON, MA**  
 RUMFORD AVENUE  
 SCALE: AS NOTED  
 DATE: SEPTEMBER 14, 2023  
 DRAWN: LNS & ES  
 CHECK: MSK & BB

REVISIONS:
