

EXISTING DEGRADED AREA	
DWELLING	1,004 S.F.
BULKHEAD	43 S.F.
PAVED DRIVEWAY	293 S.F.
CONCRETE WALKWAY AND LANDING STEPS AT FRONT	99 S.F.
CONCRETE WALKWAY & LANDING AT SIDE AND REAR	228 S.F.
PATIOS AT REAR	396 S.F.
SHED AT REAR	84 S.F.
TOTAL:	2,147 S.F.

PROPOSED DEGRADED AREA	
DWELLING	1862 S.F.
BULKHEAD	40 S.F.
PAVED DRIVEWAY	436 S.F.
CONCRETE WALKWAY AT FRONT	105 S.F.
PORCH AT FRONT	125 S.F.
PATIO AT REAR	84 S.F.
SHED AT REAR	172.4 S.F.
TOTAL:	2,824.4 S.F.

- INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY SPRUHAN ENGINEERING, P.C. AS OF 09-03-2020.
- DEED REFERENCE: BOOK 67801 PAGE 225
PLAN REFERENCE: PLAN# 54 OF 1941
MIDDLESEX SOUTH 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 250700552E, PANEL NUMBER 0552E, HAZARD NUMBER: 250208 DATED 06/04/2010
- 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 DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
- FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.
- THE ELEVATIONS SHOWN ARE BASED ON CITY OF NEWTON DATUM.

NOTE: CONTRACTOR TO CONFIRM LOCATION OF DOWN SPOUTS PRIOR TO CARRYING OUT ANY DRAINAGE WORKS

NOTE: SURFACE WATER TO BE DIVERTED FROM ALL SIDES OF FOUNDATION WALL

NOTE: ANY TREE BEING REMOVED SHALL COMPLY WITH CITY OF NEWTON TREE ORDINANCE

NOTE: CONTRACTOR TO ENSURE SEWER LINE IS PITCHED AT AN EQUAL SLOPE OF BETWEEN 2% AND 10% FROM HOUSE TO MAIN CONNECTION

NOTE: CONTRACTOR TO ENSURE ALL RAIN WATER FROM SPLASH BLOCKS (IF ANY) IS DIVERTED AWAY FROM BUILDING FOUNDATION AND DIVERTED AWAY FROM NEIGHBORING PROPERTIES

NOTE: SEWER AND WATER MAIN LINE LOCATION TO BE CONFIRMED BY CONTRACTOR

NOTE: CONTRACTOR TO ENSURE THAT THE BUILDING FOOTPRINT REPRESENTED ON THIS PLAN IS THE SAME AS THE PROPOSED ARCHITECTURAL/STRUCTURAL PLANS AND INCORPORATES ALL OVERHANGS, CANTILEVERS AND ANY COMPONENT THAT IS SUBJECT TO ZONING RESTRICTIONS. IF THIS IS FOUND NOT TO BE THE CASE THE CONTRACTOR MUST CONTACT THE ENGINEER/SURVEYOR AND REQUEST A REVISED PLAN WHICH MUST BE RESUBMITTED TO THE CITY OF NEWTON

NOTE: DRAINAGE SYSTEM IS DESIGNED FOR 100 YEAR STORM EVENT FOR ALL RAINFALL FROM PROPOSED IMPERVIOUS AREAS SHOWN. CONTRACTOR SHALL NOT CONNECT SLUMP PUMP TO THE SYSTEM WITHOUT APPROVAL FROM ENGINEERING DEPARTMENT.

NOTE: ANY PROPOSED RETAINING WALLS SHALL BE DESIGNED BY OTHERS.

NOTE: ANY PROPOSED RETAINING WALL IN SETBACK SHALL NOT EXCEED 4 FEET IN HEIGHT IN REFERENCE TO EXISTING GRADES.

ZONING LEGEND

ZONING DISTRICT: SR3 (LOT CREATED BEFORE 12/07/1953)				
	REQUIRED	PROPOSED		
MIN. AREA	7,000 S.F.	8,613.29± S.F.		
MIN. YARD FRONT	25'	26.1'		
SIDE	7.5'	7.8'		
REAR	15'	15.9'		
MAX. LOT COVERAGE	30%	24.51%		
MIN. OPEN SPACE	50%	70.42%		
MIN. FRONTAGE	70'	173.04'		
MAX. BLDG. HEIGHT	36'	31.78±		

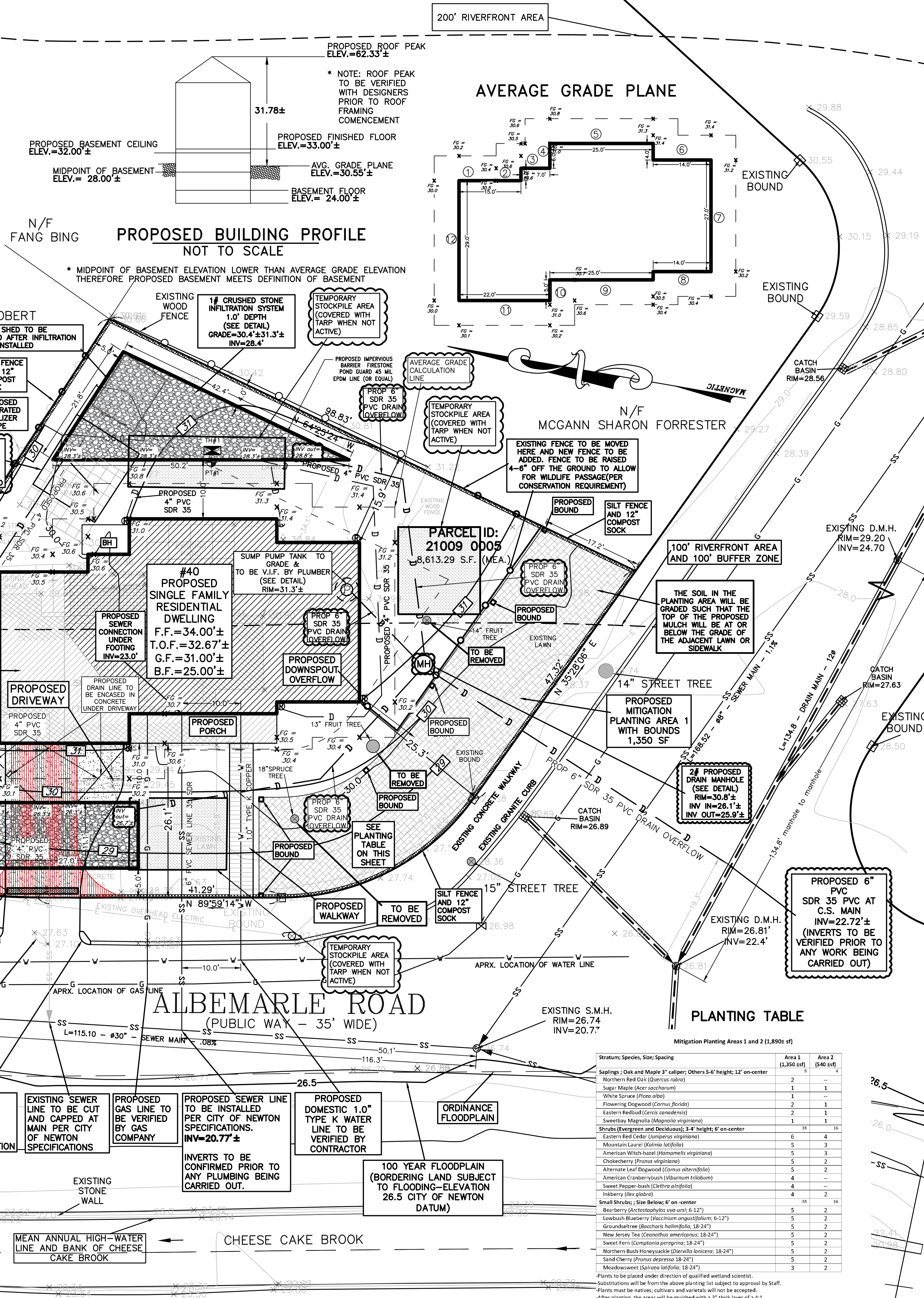
AVERAGE GRADE CALCULATION

SEGMENT	LENGTH	POINT 1	POINT 2	MEAN 1 & 2	MEAN x LENGTH
1	15.00	30.20	30.60	30.40	456.00
2	3.00	30.50	30.40	30.45	91.35
3	7.00	30.50	31.00	30.75	215.25
4	6.00	30.60	30.60	30.60	183.60
5	25.00	30.80	31.30	31.05	776.25
6	14.00	31.40	31.40	31.40	439.60
7	27.00	31.20	30.20	30.70	828.90
8	14.00	30.40	30.40	30.40	425.60
9	25.00	30.40	30.60	30.50	762.50
10	5.00	30.70	30.60	30.65	153.25
11	22.00	30.20	30.10	30.15	663.30
12	29.00	30.00	30.00	30.00	870.00
SUM	192.00				5,865.60
SUM OF MEAN x LENGTH / SUM OF LENGTHS = AVERAGE GRADE PLANE =					30.55

LEGEND

- UTILITY POLE
- WATER GATE
- HYDRANT
- GAS GATE
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- TRUNK
- SOIL
- TO BE REMOVED
- TO BE ABANDONED
- TOP OF WALL
- BOTTOM OF WALL
- FINISHED GRADE
- SPOT GRADE

- PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35.
- PROPOSED WATER SERVICE SHALL BE 1" TYPE K COPPER.
- THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND SEPTEMBER 3th, 2020.
- 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 48 HOURS PRIOR TO THE EXCAVATION THE CONTRACTOR HAS PROVIDED THE CITY ENGINEER WITH A WRITTEN NOTICE OF THE EXCAVATION. THE NOTICE SHALL INCLUDE THE LOCATION OF THE EXCAVATION AND THE DATE OF THE EXCAVATION.
- 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.
- THE ROOF RUNOFF FROM THE ROOF SURFACES SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO THE STORM WATER DRAINAGE SYSTEM.
- 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.
- 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 CITY.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS ON AS-BUILT LOCATIONS. PETER NOLAN & ASSOCIATES, LLC WILL NOT PROVIDE AS-BUILT CERTIFICATION TO UNINSPECTED BACKFILLED UTILITIES. A MINIMUM 48 HOURS NOTICE IS REQUIRED PRIOR TO INSPECTIONS.
- ANY PROPOSED FINISHES UNDER FINISHES OR CONCRETE WITH LESS THAN 30% OF COVER MUST BE ENCASED IN CONCRETE. (SEE PAGE 21, CITY OF NEWTON GENERAL CONSTRUCTION DETAILS).
- 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. ENGINEERING DIVISION MUST BE NOTIFIED PRIOR TO THE FAILURE TO HAVE THIS WORK INSPECTED IN THE DELAY OF ISSUANCE OF THE UTILITY CONNECTION PERMIT.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM, UNDER SERVICES UNDIRECTED. THE SERVICES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM UTILITIES MAY THEN BE BACKFILLED.
- THE EXISTING CONTOURS OF THE LAND ARE NOT TO BE ALTERED BY MORE THAN THREE (3) FEET AS A RESULT OF THE REMOVAL OF SOIL, LOAM, CLAY, GRAVEL OR STONE, OR OTHER SOLID MATERIALS UNDER ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY OF NEWTON ENGINEERING DEPARTMENT & CITY OF NEWTON I.S.D.
- 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 EXTENDING CONSTRUCTION PERMITS WHICH ARE REQUIRED, AND AS SUCH IT IS RECOMMENDED THAT THE APPLICANT OR APPLICANTS REPRESENTATIVE CONTACT THE CITY OF NEWTON ENGINEERING DEPARTMENT PRIOR TO START OF WORK FOR CLARIFICATION.
- AT THE END OF CONSTRUCTION, ALL DRAINAGE STRUCTURES ARE TO BE CLEANED OF SILT, STONES AND OTHER DEBRIS.
- 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.
- WITH EXCEPTION OF GAS UTILITY SERVICES, ALL UTILITY TRENCHES WITHIN ANY CITY OF NEWTON RIGHT-OF-WAY MUST BE BACKFILLED WITH TYPE IE (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS.
- 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 NEW SEWER SERVICE AND/OR STRUCTURES SHALL BE PRESSURE TESTED OR VIDEOGRADED AFTER FINAL INSTALLATION. THE METHOD OF FINAL INSPECTION SHALL BE DETERMINED SOLELY BY THE CONSTRUCTION DIVISION INSPECTOR FROM THE CITY OF NEWTON ENGINEERING DIVISION. ALL SEWER MANHOLES SHALL BE VACUUM TESTED ACCORDING TO THE CITY OF NEWTON CONSTRUCTION STANDARDS & SPECIFICATIONS. THE SEWER SERVICE SHALL BE TESTED 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 OCCUPANCY WILL NOT BE RECOMMENDED UNTIL THIS TEST IS COMPLETED AND A WRITTEN REPORT IS RECEIVED BY THE CITY ENGINEER.
- ALL SITUATION CONTROL NEEDS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER'S OFFICE FOR CONFORMANCE.
- ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MGL CHAPTER 83A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. A TRENCH EXCAVATION PERMIT IS REQUIRED.
- 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 OR THE SUITABILITY FOR THE PARTICULAR SITE CONDITIONS OR OF THE FUNCTIONABILITY OR PERFORMANCE OF ANY ITEMS CONSTRUCTED IN ACCORDANCE WITH THE DESIGNS. THE CITY OF NEWTON ASSUMES NO LIABILITY FOR DESIGN ASSUMPTION, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.
- PER CITY OF NEWTON ORDINANCE NO.8-22, COUNCIL ITEM #251-19, BUILDING SEWER WATER SERVICE PIPE & SIDEWALK/CURB REPLACEMENT ORDINANCE, THE APPLICANT IS REQUIRED TO INSTALL/REPLACE SIDEWALKS ALONG THE ENTIRE FRONTAGE. THIS SHALL INCLUDE APPROPRIATE TRANSITION TO ADJOINING CURBING & WALKWAYS, INCLUDING ACCESSIBLE CURB CUTS & OTHER ACCESS AS REQUIRED. THE ENGINEERING DIVISION WILL VERIFY THE MATERIAL, 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 REPAID WITHOUT REPLACEMENT.
- 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 inspect the exact bottom of hole. Inspection(s) prior to subsurface drainage system(s) being installed.
- 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.



Spruhan Engineering, P.C.
 80 JEWETT ST, (SUITE 1)
 NEWTON, MA 02458
 Tel: 617-816-0722
 Email: edmond@spruhaneng.com

40 ALBEMARLE ROAD
 NEWTON
 MASSACHUSETTS

CIVIL PLAN

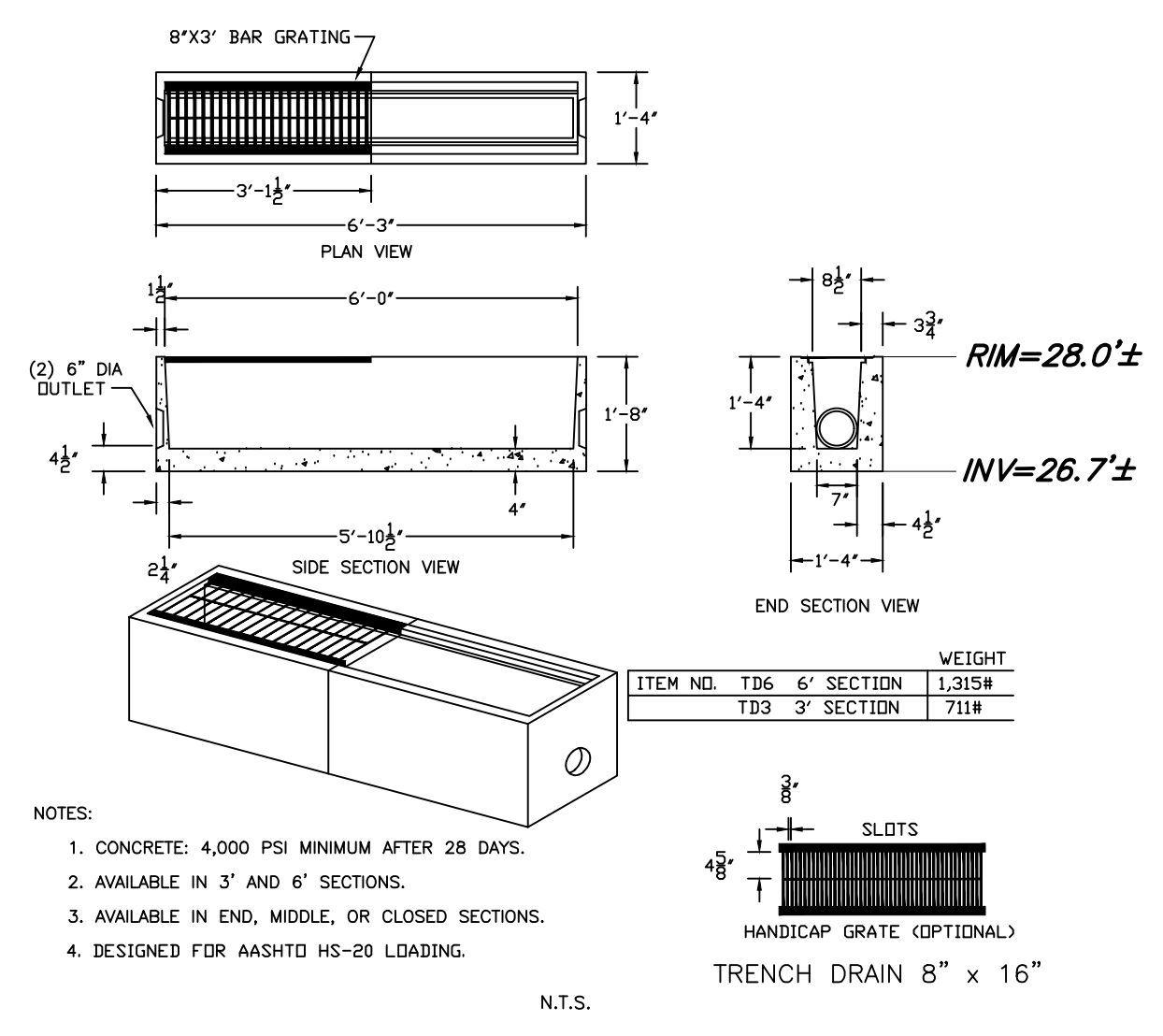
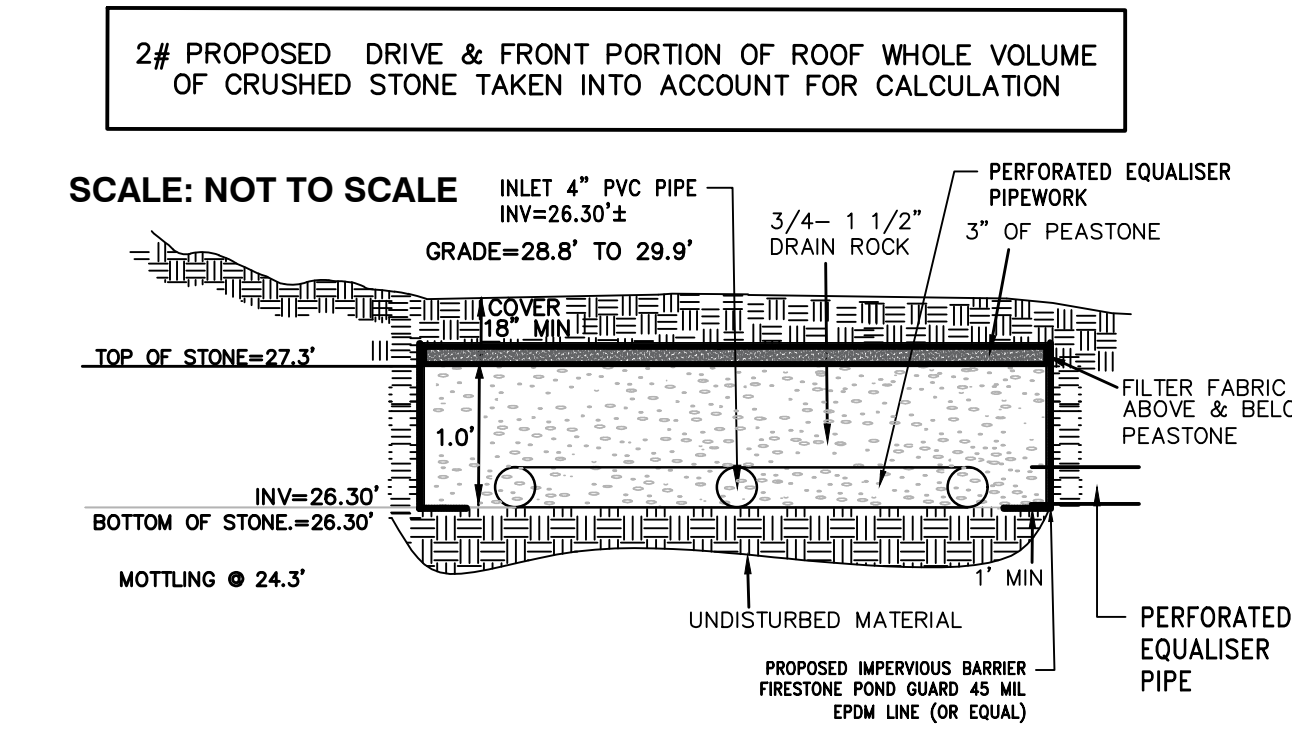
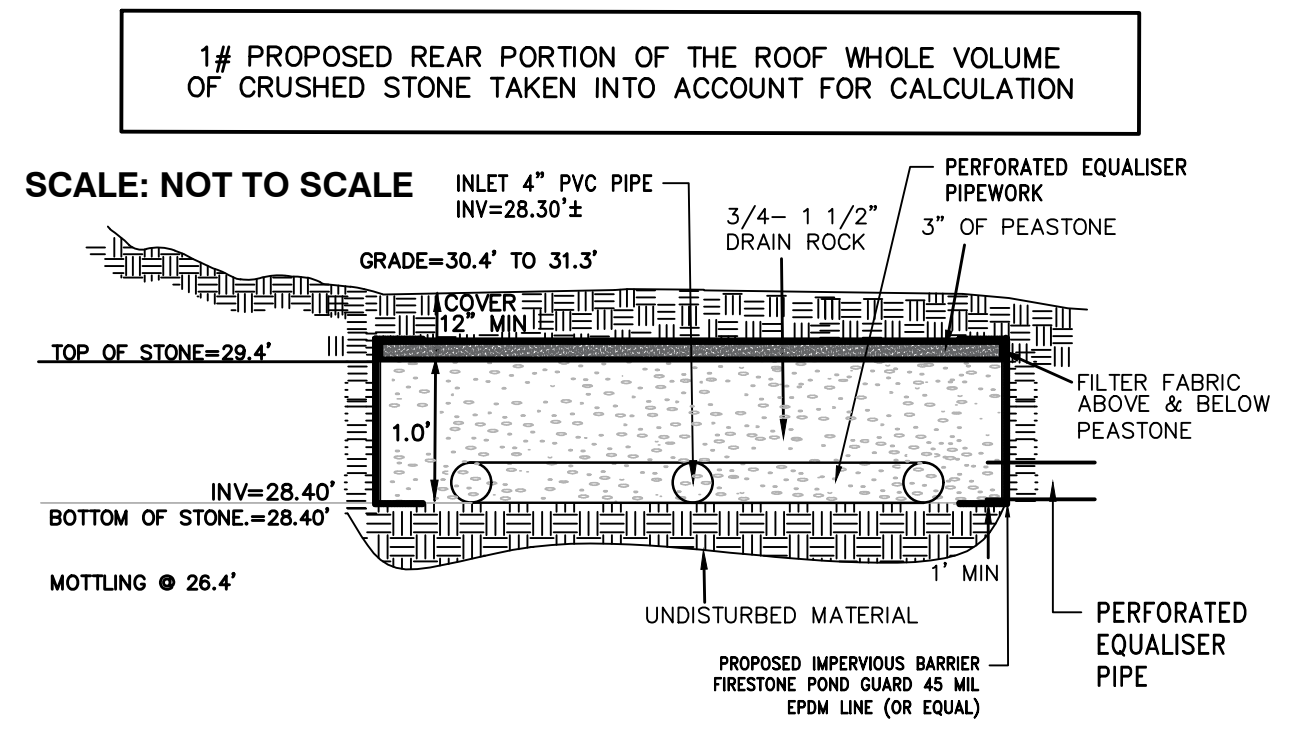
REVISION BLOCK

BY	DESCRIPTION	DATE
PS	REVISIONS PER CITY OF NEWTON ENGINEERING DEPARTMENT	12.8.20

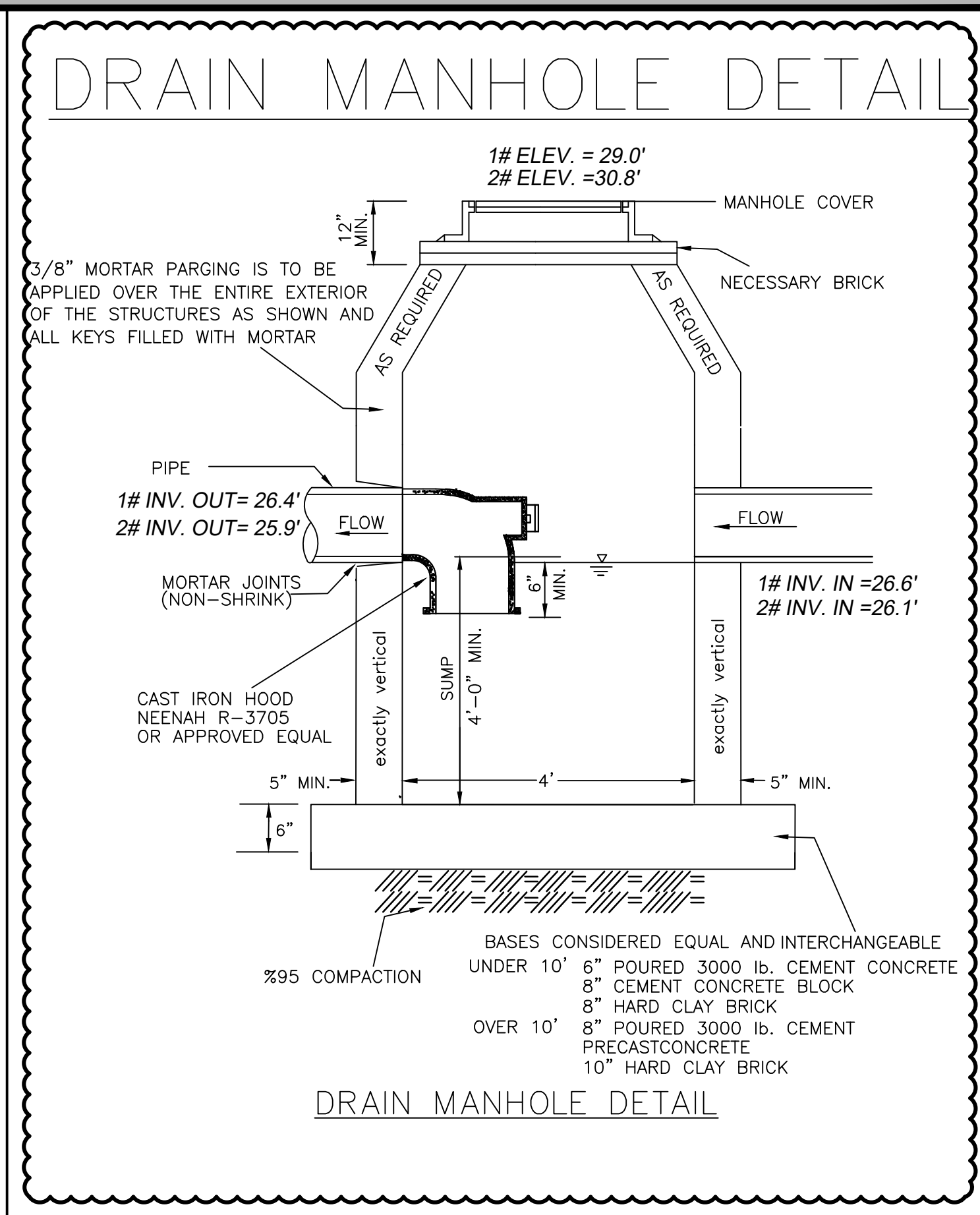
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DATE: 11/13/2020
 DRAWN BY: P.S.
 CHECKED BY: E.S.
 APPROVED BY: E.S.

PROPOSED CIVIL PLAN



TRENCH DRAIN DETAIL



DRAIN MANHOLE DETAIL

DEEP OBSERVATION HOLE LOG

GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 40 ALBEMARLE ROAD, NEWTON BY PETER NOLAN & ASSOCIATES, LLC. AND SPRUHAN ENGINEERING, P.C.

HOLE NUMBER: TP - 1 & TP - 2 DATED: 10/29/20

GENERAL SITE CONDITIONS: GRASS AND TREES.

PERCOLATION TEST HOLE PT - 1 & 2
PERCOLATION RATE < 2 MIN/ 1 INCH

GRADE	DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
30.4"-29.4"	0" - 12"	Ap	FILL	10 YR 5/3	NO	NONE
29.4"-28.4"	12" - 24"	Bw	GRAVEL	10 YR 5/5	NO	NONE
28.4"-26.4"	24" - 48"	C1	COARSE SAND & GRAVEL	5 YR 7/1	@ 4'	NONE
26.4"-21.4"	48" - 108"	C1	COARSE SAND	5 YR 7/2	YES	NONE

STANDING WATER @ 8'

DEEP OBSERVATION HOLE LOG

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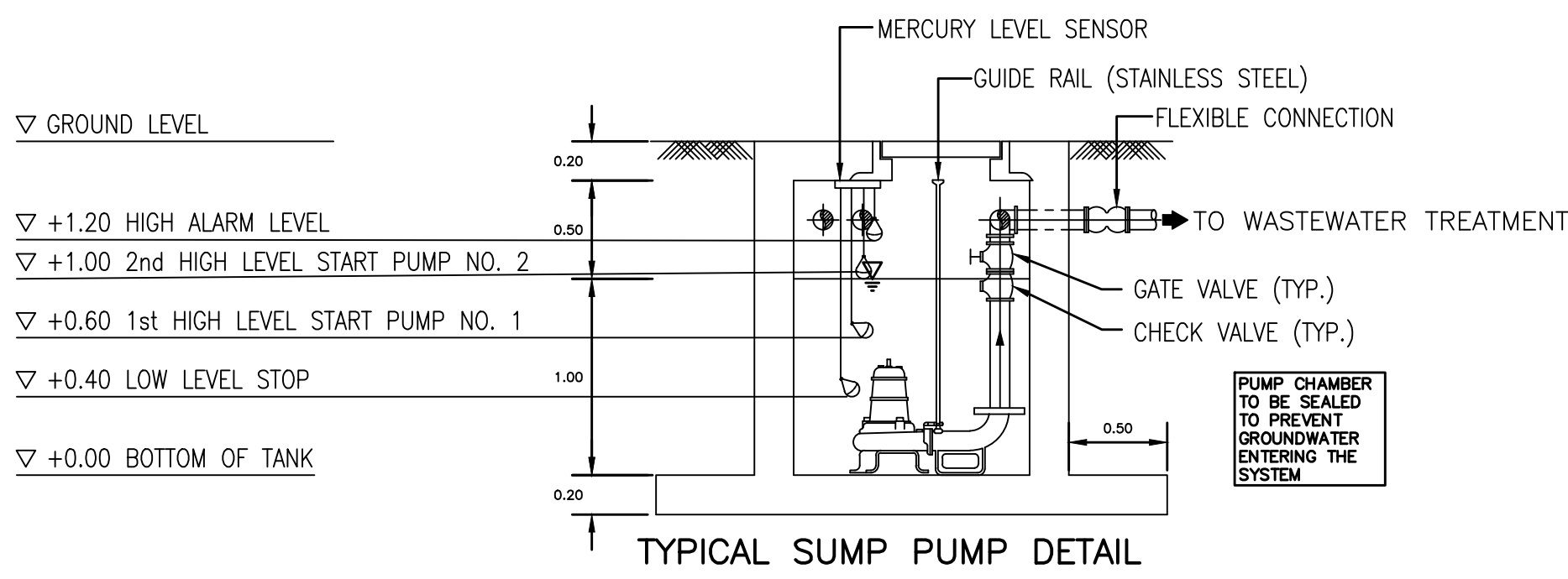
HOLE NUMBER: TP - 2 DATED: 10/29/20

GENERAL SITE CONDITIONS: GRASS AND TREES.

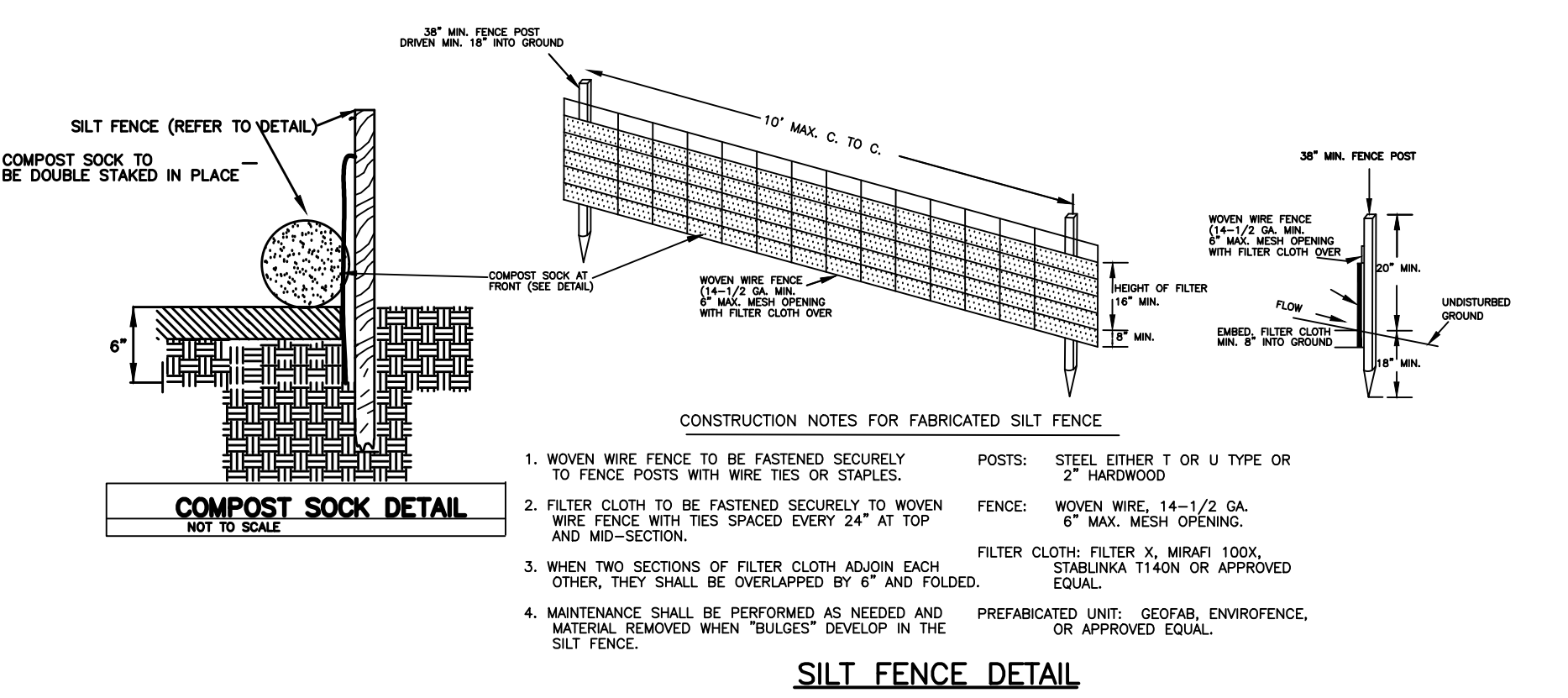
PERCOLATION TEST HOLE PT - 2
PERCOLATION RATE < 2 MIN/ 1 INCH

GRADE	DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
28.3"-27.3"	0" - 12"	Ap	FILL	10 YR 5/3	NO	NONE
27.3"-26.3"	12" - 24"	Bw	GRAVEL	10 YR 5/5	NO	NONE
26.3"-24.3"	24" - 48"	C1	COARSE SAND & GRAVEL	5 YR 7/1	@ 4'	NONE
24.3"-19.3"	48" - 108"	C1	COARSE SAND	5 YR 7/2	YES	NONE

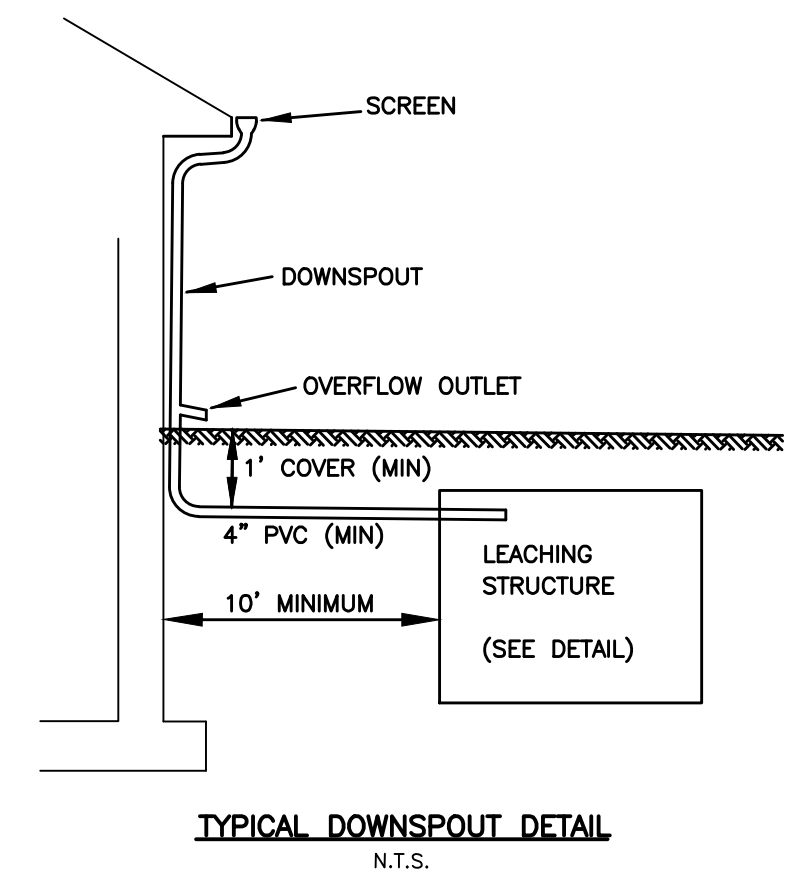
STANDING WATER @ 8'



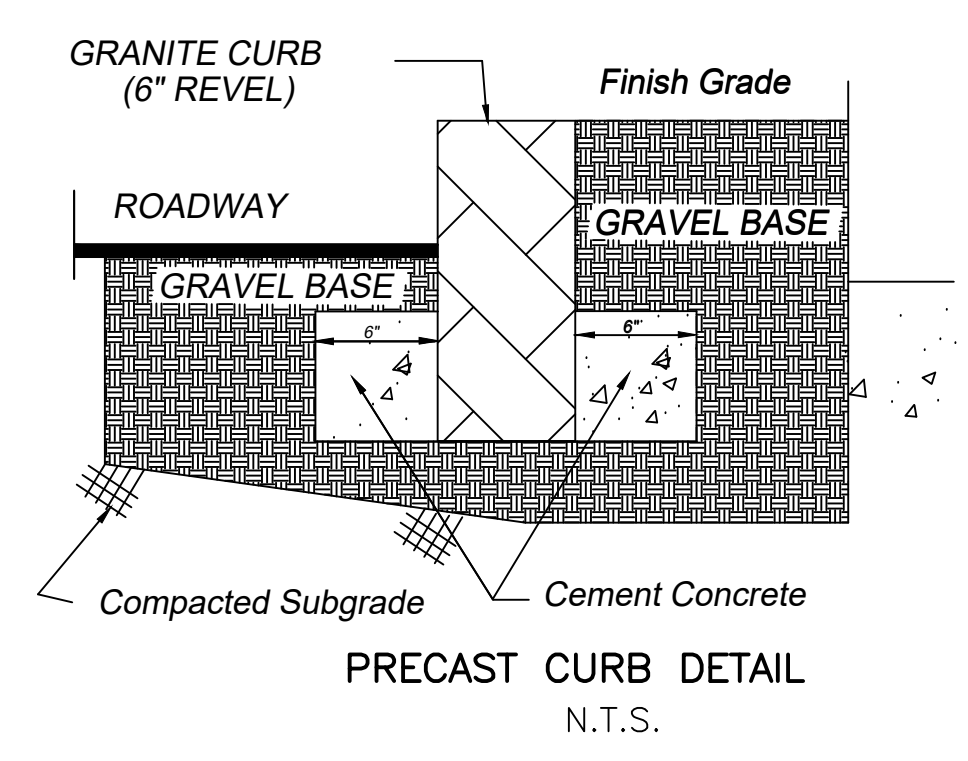
TYPICAL SUMP PUMP DETAIL



SILT FENCE DETAIL



TYPICAL DOWNSPOUT DETAIL



PRECAST CURB DETAIL

40 ALBEMARLE ROAD
NEWTON
MASSACHUSETTS

CIVIL PLAN

REVISION BLOCK

BY	DESCRIPTION	DATE
PS	REVISIONS PER CITY OF NEWTON ENGINEERING DEPARTMENT	12.8.20

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DRAWN BY:	P.S
CHECKED BY:	E.S
APPROVED BY:	E.S

DETAILS



Spruhan
Engineering, P.C.

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

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

40 ALBEMARLE ROAD
NEWTON
MASSACHUSETTS

CIVIL PLAN

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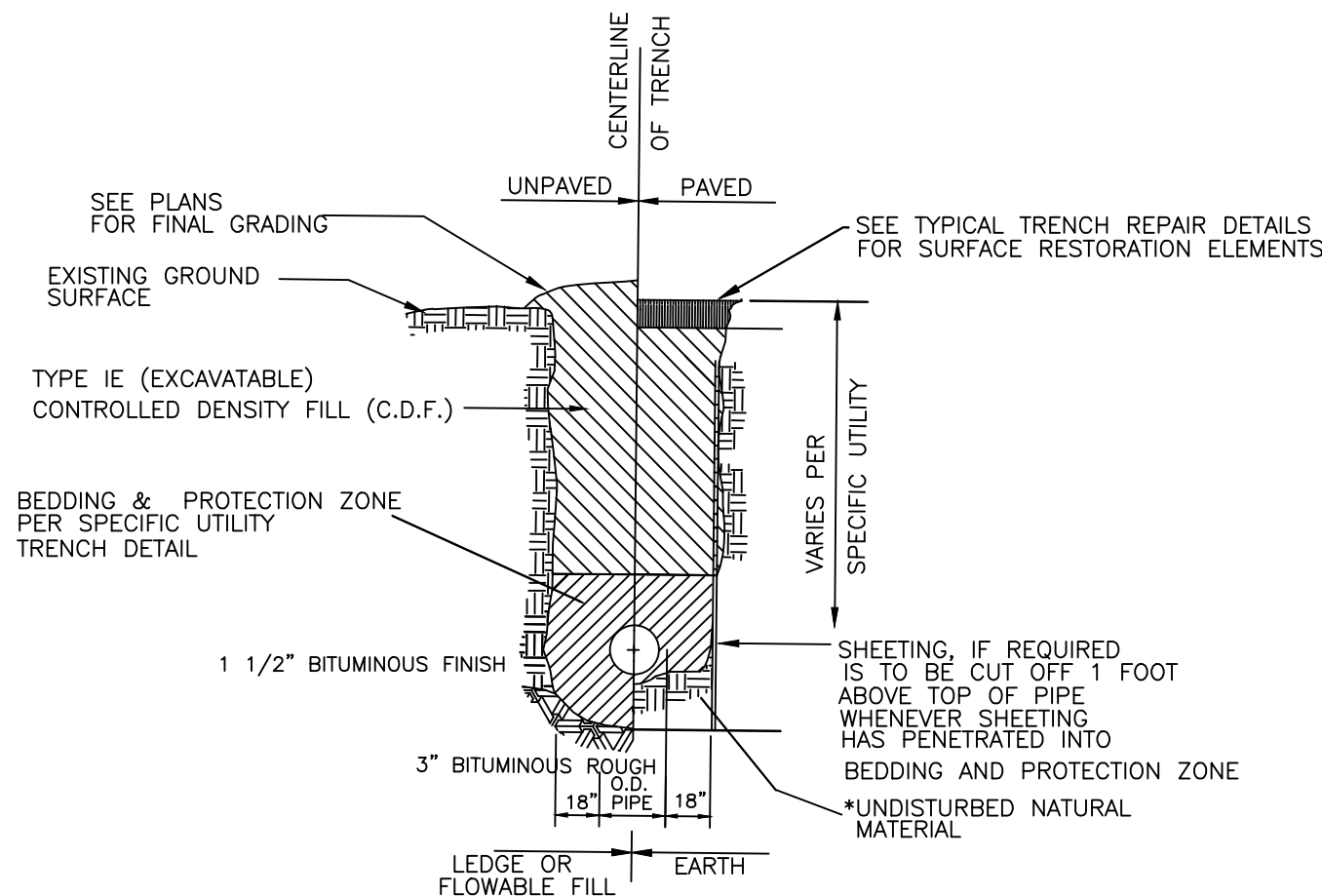
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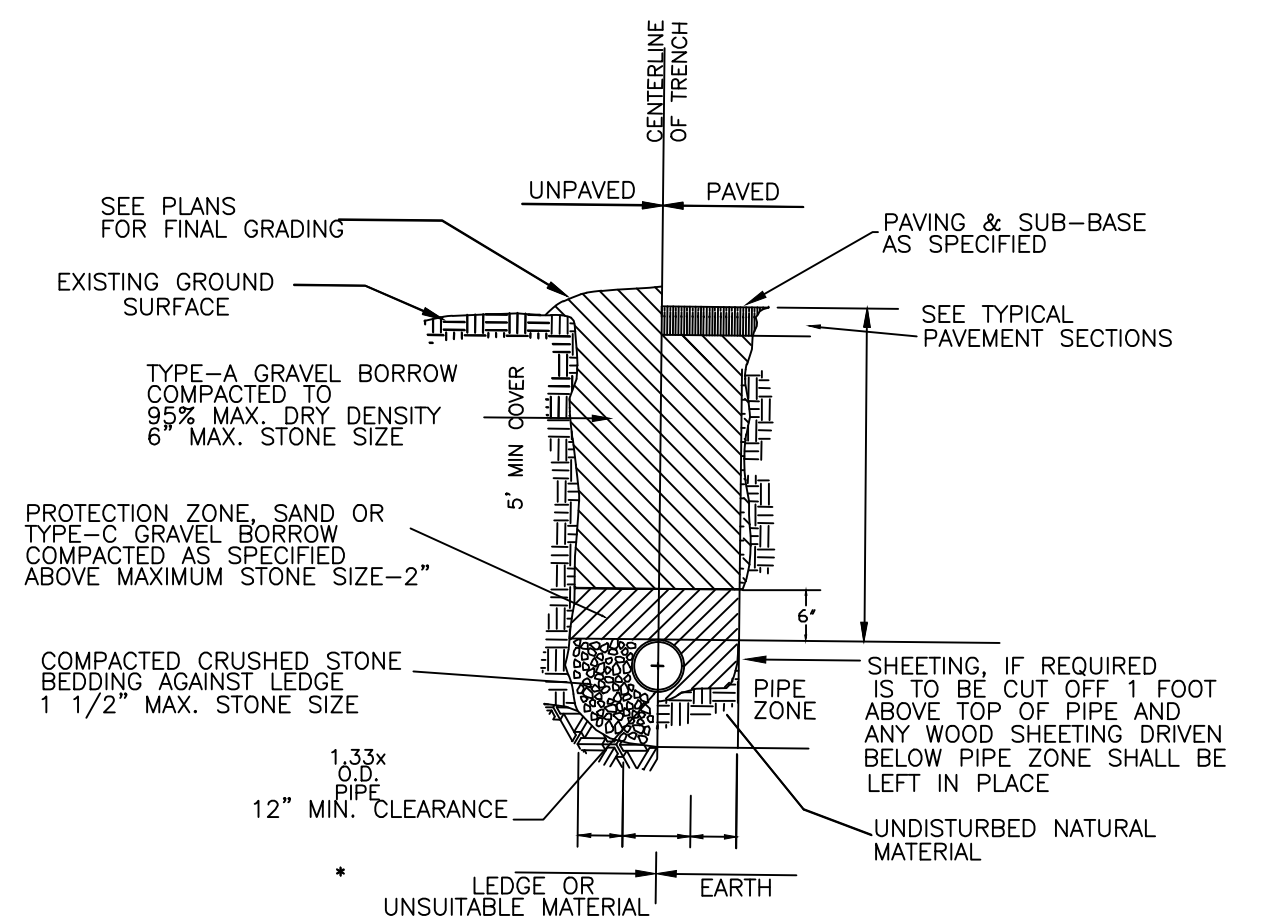
DETAILS

4 OF 5



* SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.
CONTROLLED DENSITY FILL (C.D.F.)
TYPICAL TRENCH DETAIL

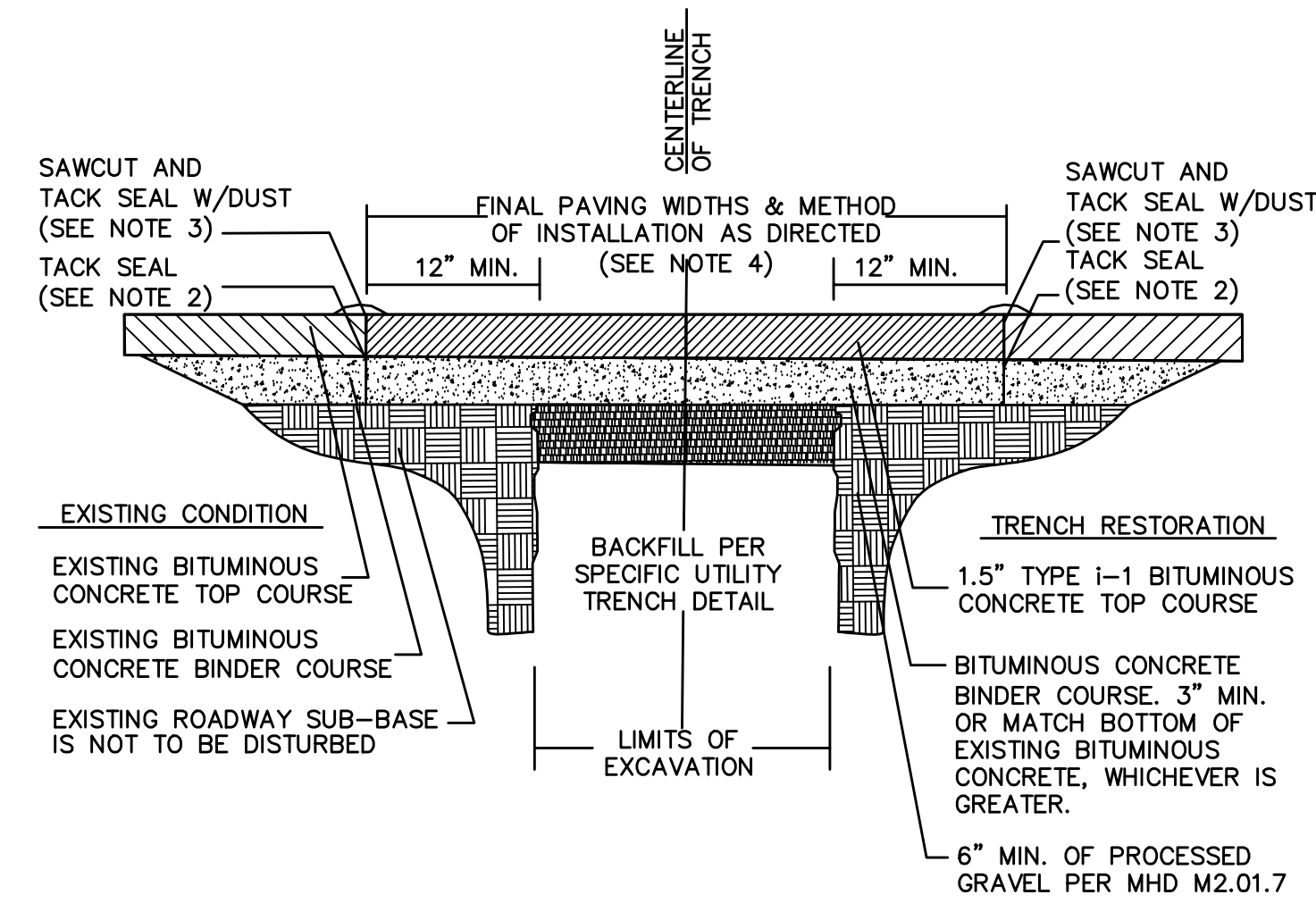
TYPICAL WATER TRENCH DETAIL
N.T.S.



SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.

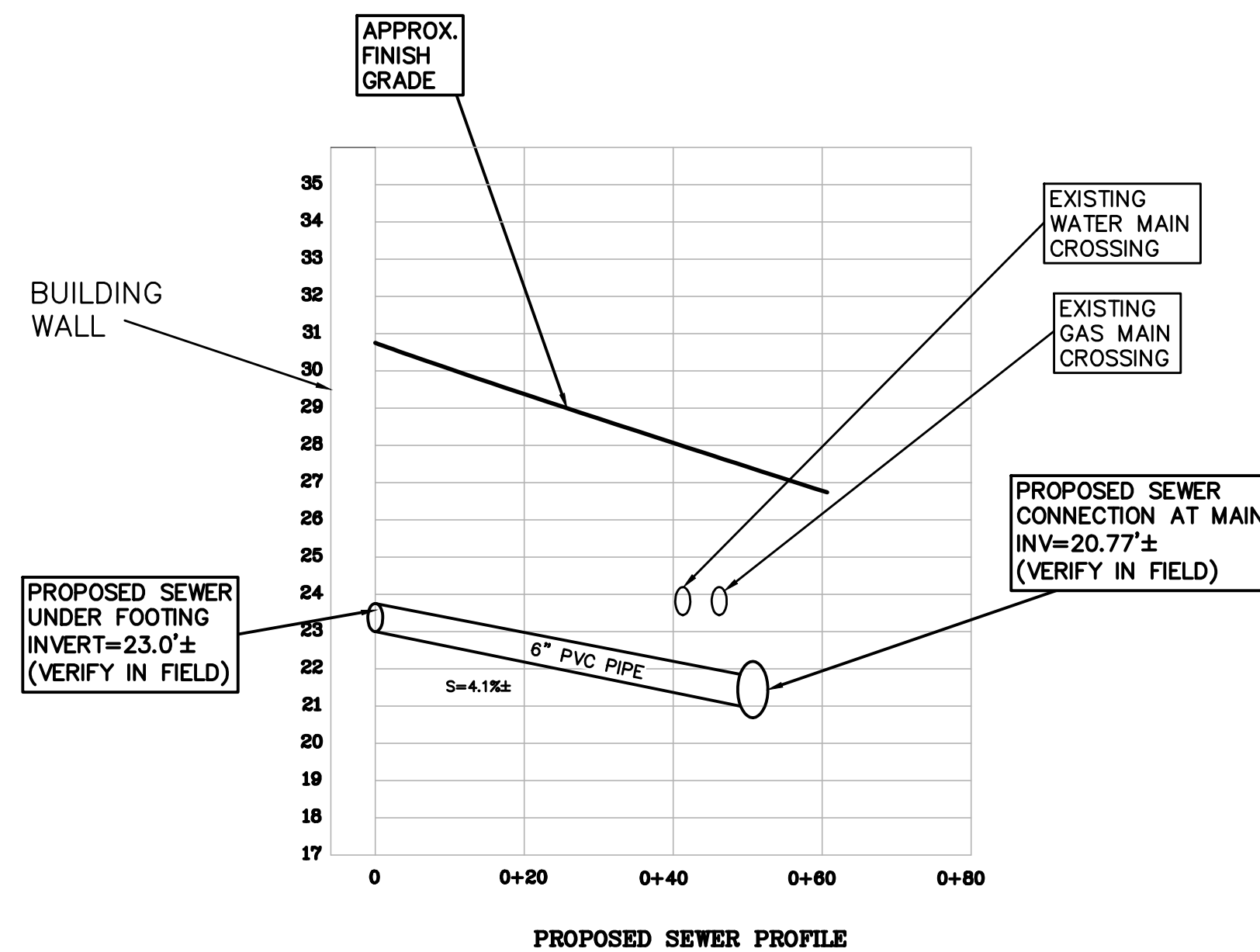
1. GRAVEL BORROW SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M1.03.0
2. CRUSHED STONE BEDDING SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M2.01.1

TYPICAL TRENCH DETAIL
N.T.S.

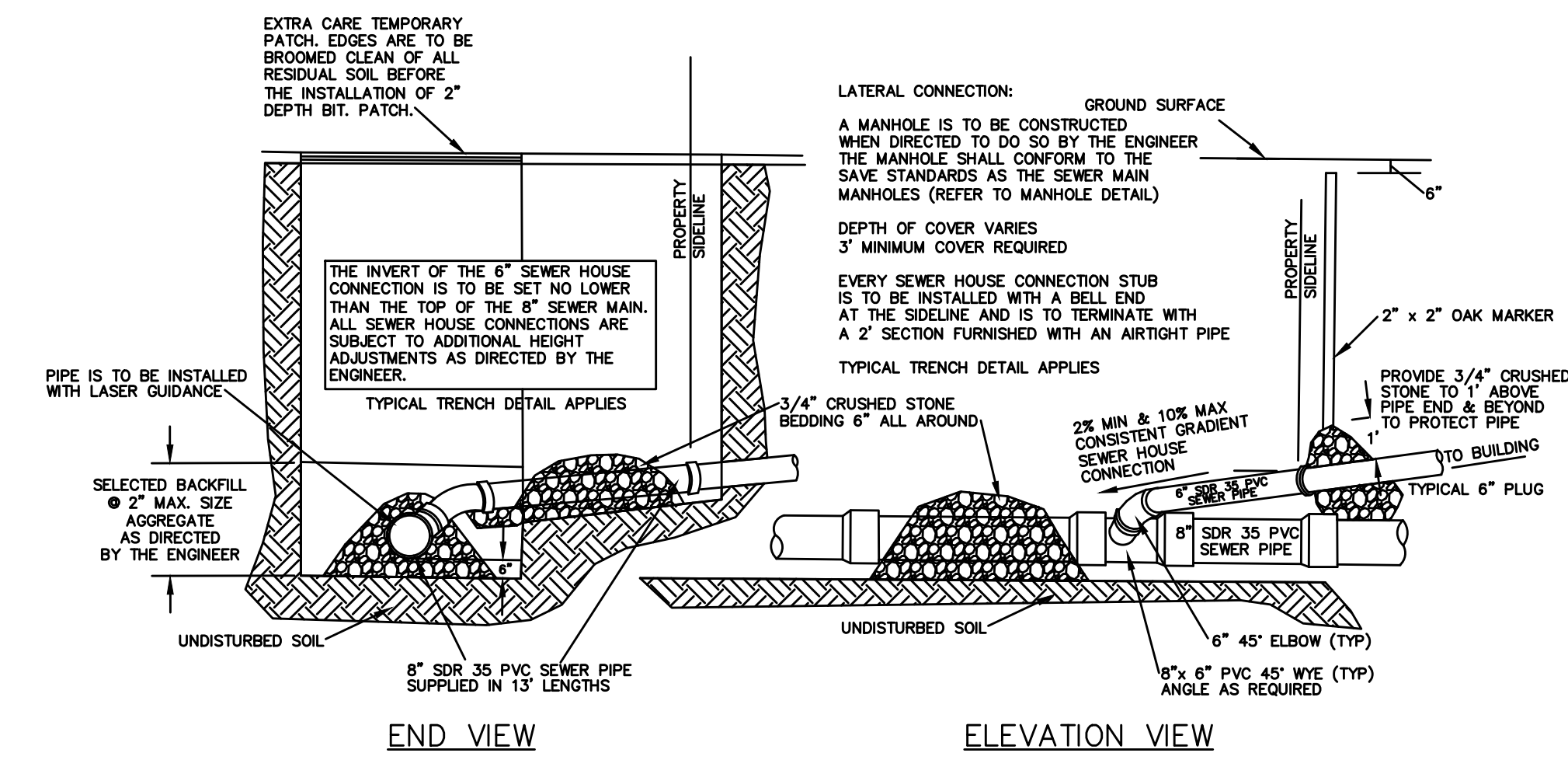


TYPICAL TRENCH REPAIR & PAVEMENT SECTION DETAIL

- ALL INSTALLATION AND MATERIAL SPECIFICATIONS PER MASS. HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 1988 AS AMENDED.
- ALL EXPOSED BITUMINOUS CONCRETE IS TO BE TACKED PER MHD PRIOR TO NEW BITUMINOUS CONCRETE INSTALLATIONS.
- ALL EXPOSED JOINTS ARE TO BE SEALED WITH TACK AND STONE DUST.
- 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.



PROPOSED SEWER PROFILE

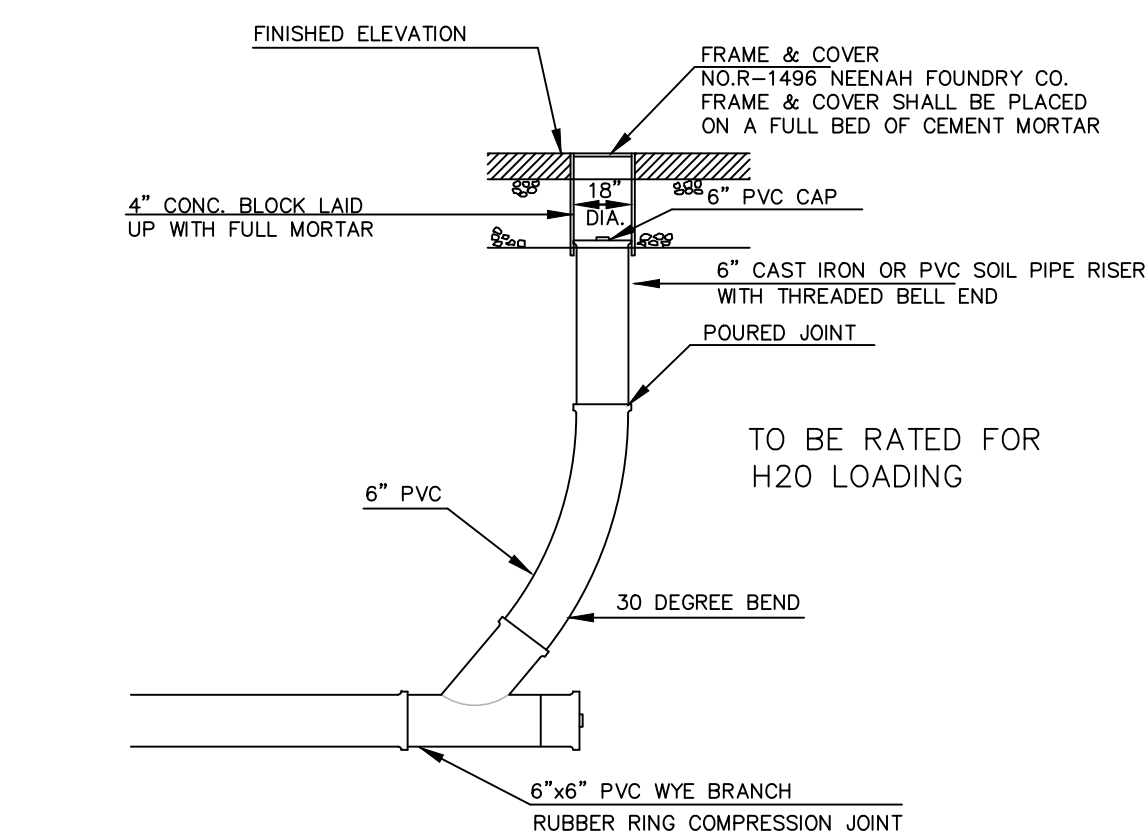


END VIEW

ELEVATION VIEW

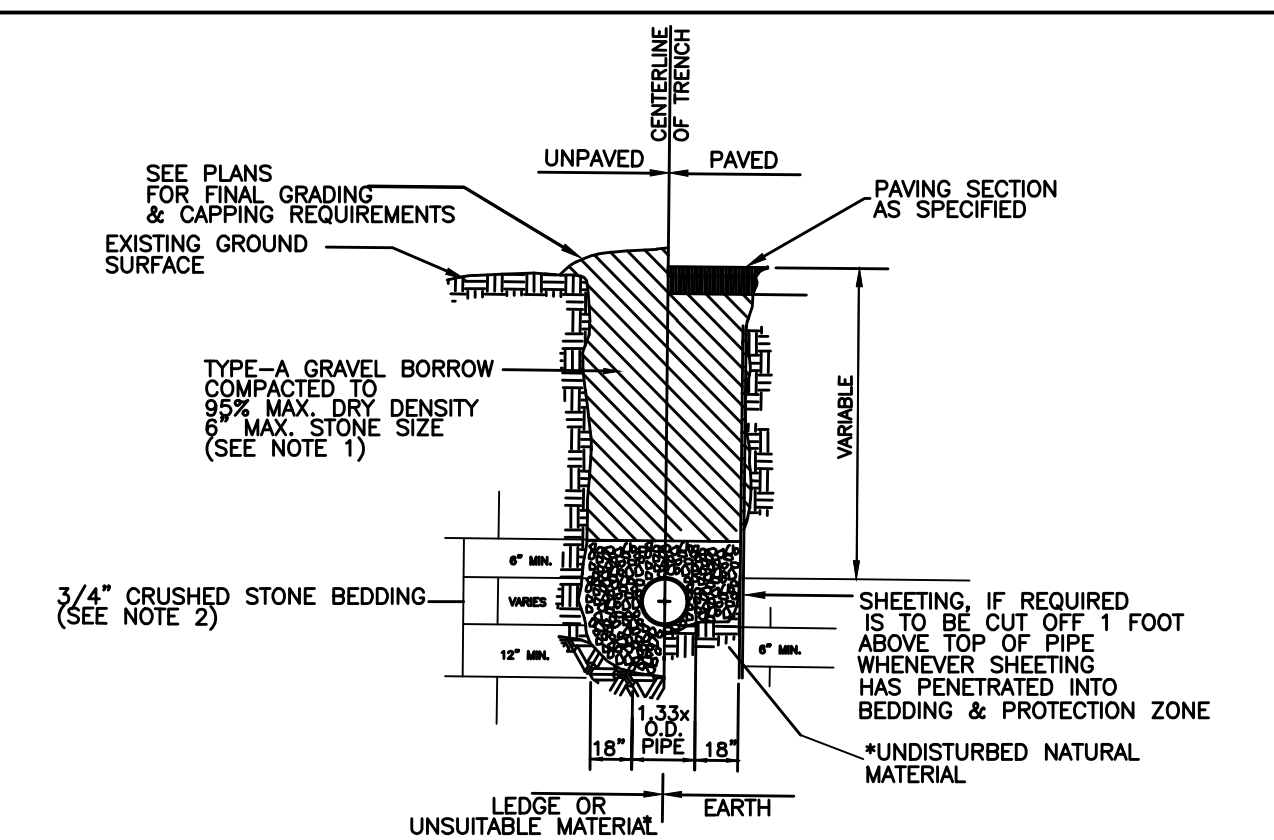
TYPICAL PVC SEWER HOUSE CONNECTION

N.T.S.



TO BE RATED FOR H2O LOADING

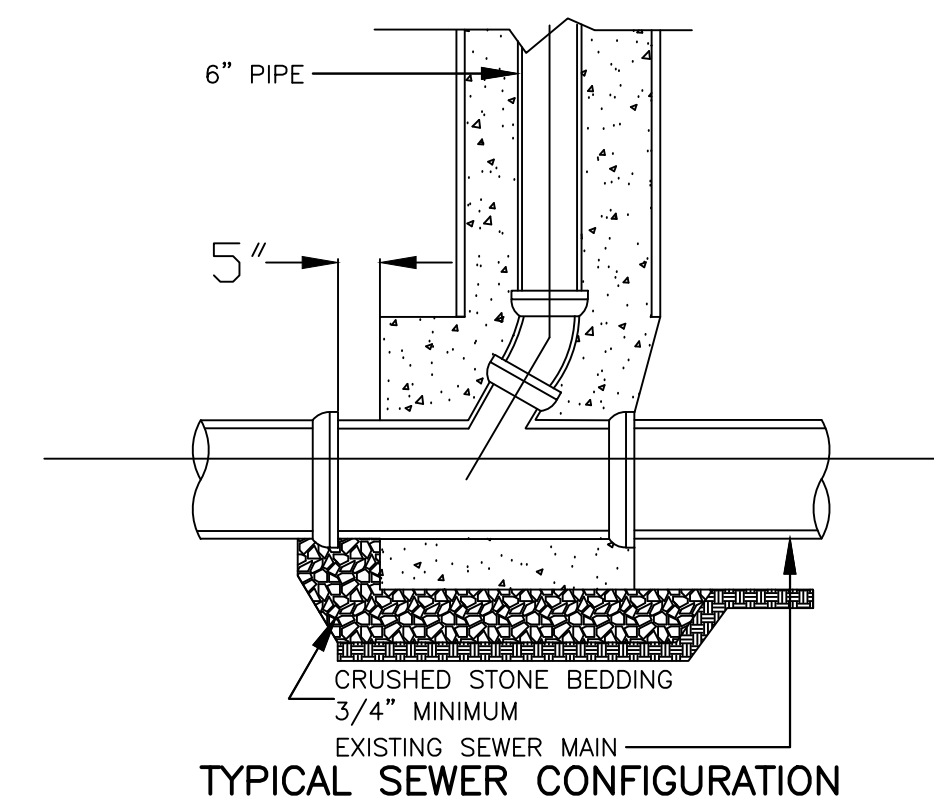
CLEANOUT/INSPECTION PORT DETAIL
NOT TO SCALE (CLEANOUT-DETAIL)



* 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.



TYPICAL SEWER CONFIGURATION



Spruhan Engineering, P.C.

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

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

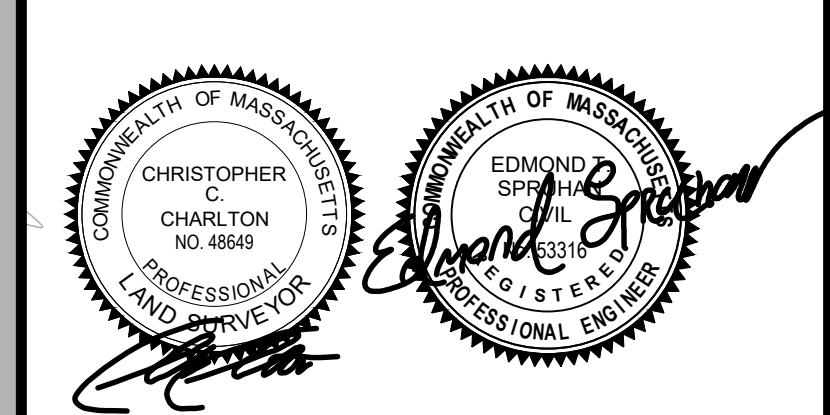
**40 ALBEMARLE ROAD
NEWTON
MASSACHUSETTS**

DEWATERING PLAN

REVISION BLOCK

BY	DESCRIPTION	DATE
PS	REVISIONS PER CITY OF NEWTON ENGINEERING DEPARTMENT	12.8.20

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DATE:	11/13/2020
DRAWN BY:	P.S
CHECKED BY:	E.S
APPROVED BY:	E.S

DEWATERING PLAN

*** IMPORTANT NOTE:** STRUCTURAL ENGINEER/ARCHITECT TO DESIGN WATER PROOFED BASEMENT TO AN ELEVATION OF 2 FT. MINIMUM ABOVE ESHGW.

DEEP OBSERVATION HOLE LOG

GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 40 ALBEMARLE ROAD, NEWTON BY PETER NOLAN & ASSOCIATES, LLC. AND SPRUHAN ENGINEERING, P.C.

HOLE NUMBER: TP - 1 DATED: 10/29/20

GENERAL SITE CONDITIONS:
GRASS AND TREES.

PERCOLATION TEST HOLE PT - 1
PERCOLATION RATE < 2 MIN/ 1 INCH

GRADE	DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
30.4"-29.4"	0" - 12"	A _p	FILL	10 YR 5/3	NO	NONE
29.4"-28.4"	12" - 24"	B _w	GRAVEL	10 YR 5/5	NO	NONE
28.4"-26.4"	24" - 48"	C ₁	COARSE SAND & GRAVEL	5 YR 7/1	⊙4'	NONE
26.4"-21.4"	48" - 108"	C ₁	COARSE SAND	5 YR 7/2	YES	NONE

STANDING WATER @ 8'

DEEP OBSERVATION HOLE LOG

GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 40 ALBEMARLE ROAD, NEWTON BY PETER NOLAN & ASSOCIATES, LLC. AND SPRUHAN ENGINEERING, P.C.

HOLE NUMBER: TP - 2 DATED: 10/29/20

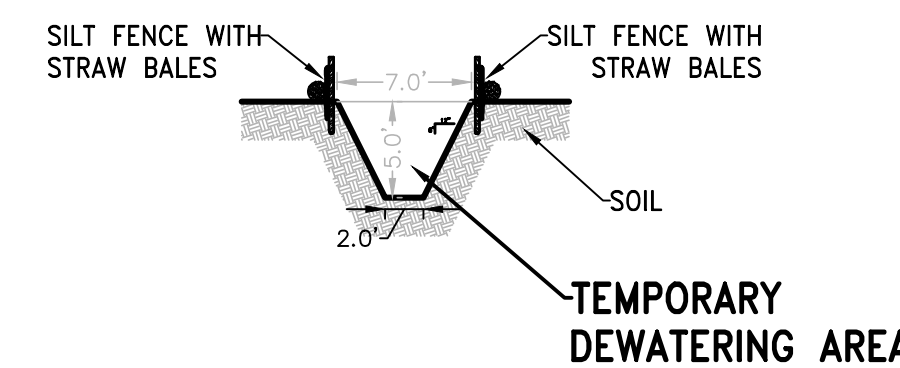
GENERAL SITE CONDITIONS:
GRASS AND TREES.

PERCOLATION TEST HOLE PT - 2
PERCOLATION RATE < 2 MIN/ 1 INCH

GRADE	DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
28.3"-27.3"	0" - 12"	A _p	FILL	10 YR 5/3	NO	NONE
27.3"-26.3"	12" - 24"	B _w	GRAVEL	10 YR 5/5	NO	NONE
26.3"-24.3"	24" - 48"	C ₁	COARSE SAND & GRAVEL	5 YR 7/1	⊙4'	NONE
24.3"-19.3"	48" - 108"	C ₁	COARSE SAND	5 YR 7/2	YES	NONE

STANDING WATER @ 8'

A-A SECTION



TEMPORARY DEWATERING AREA

EXPRESSED GROUNDWATER TO BE PUMPED TO PROPOSED DEWATERING AREA ON AN AS NEEDED BASIS

SUMP PUMP

SUMP PUMP HOLE

SILT FENCE AND STRAW BALES AROUND DEWATERING AREA

TEMPORARY DEWATERING AREA (SEE SECTION)

ALBEMARLE ROAD
(PUBLIC WAY - 35' WIDE)

