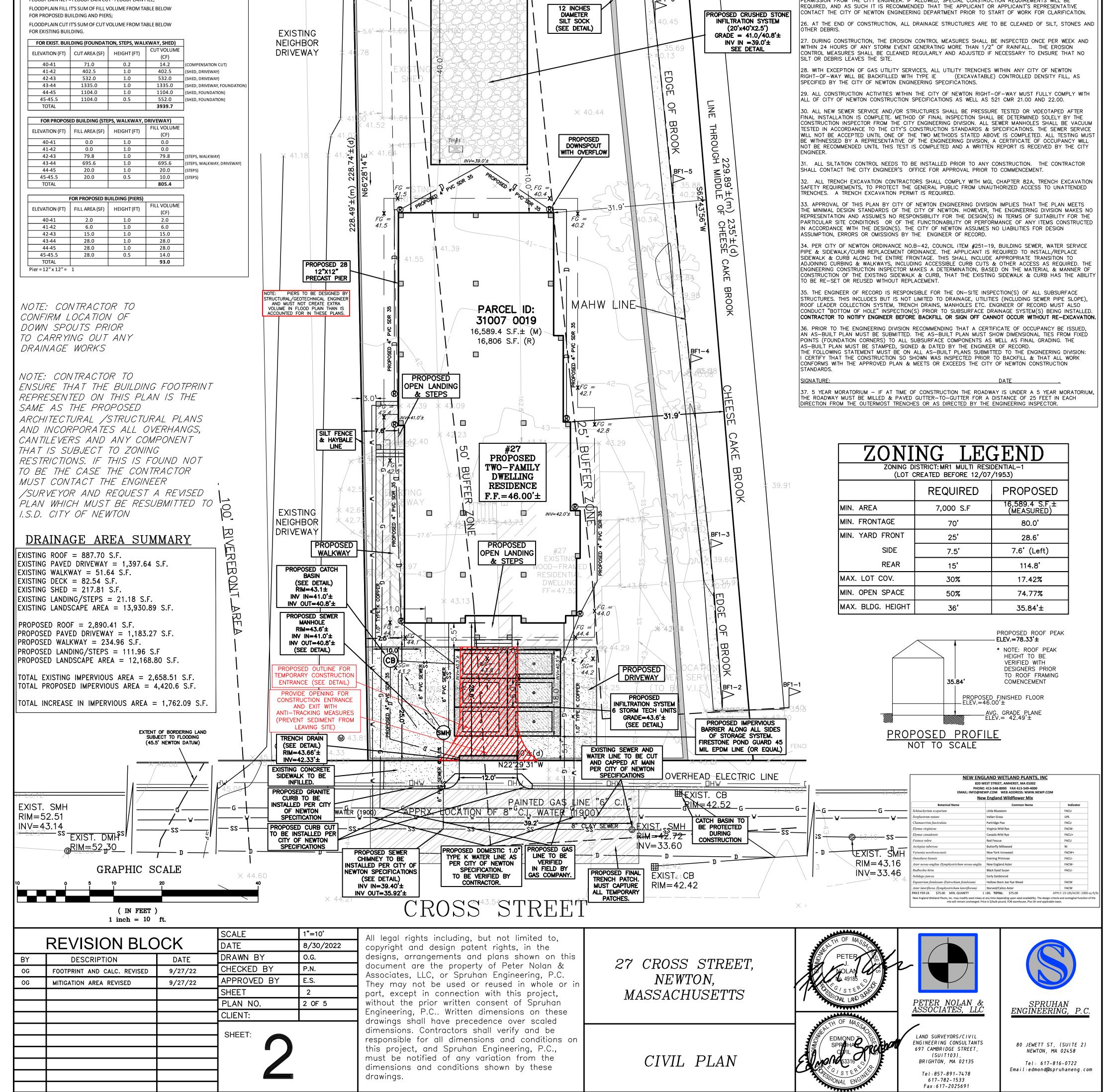
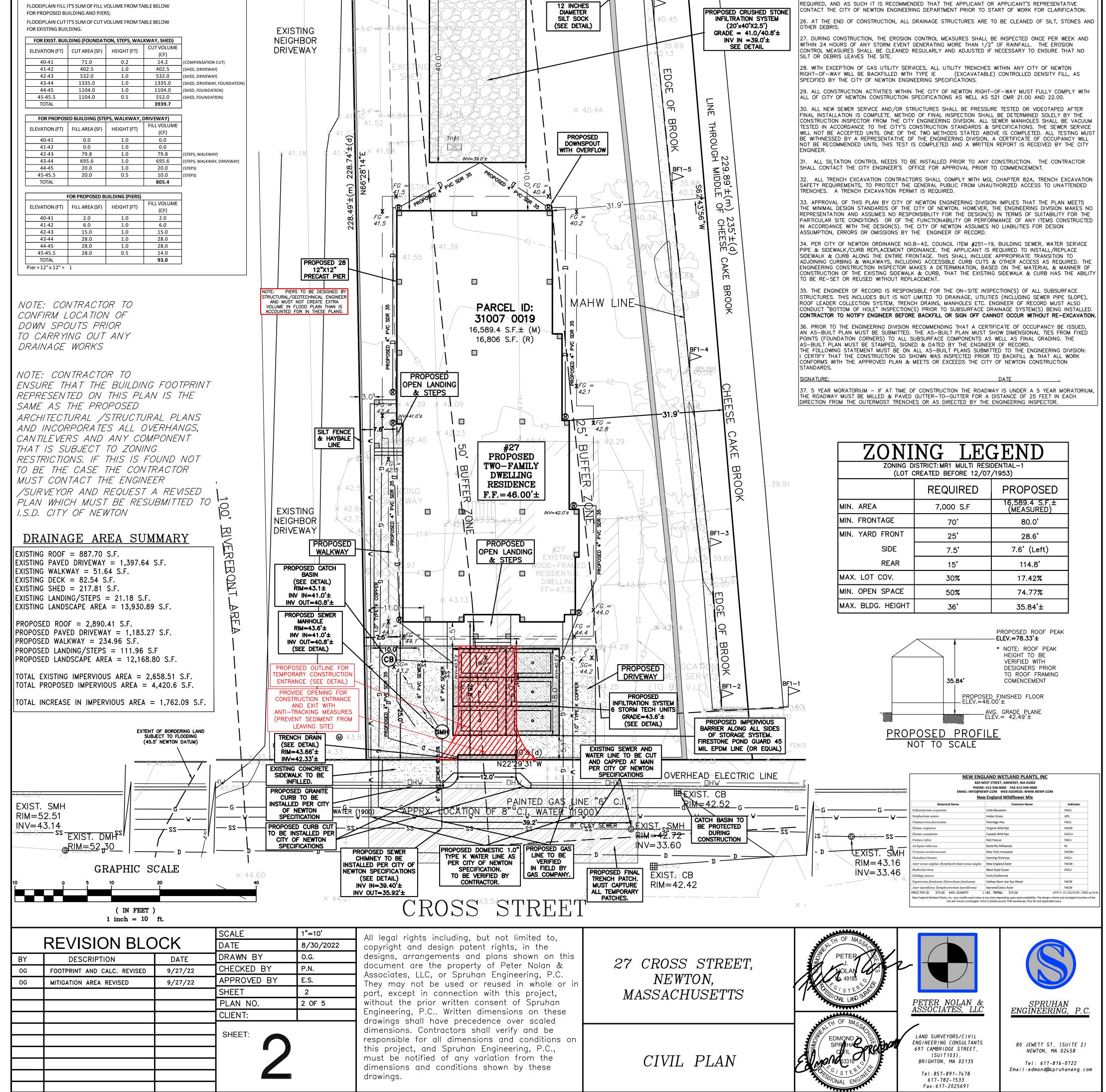


		MATE. ANY TOFE	NOTE: DRAINAGE	NOTE: SEWER AND	NOTE: SPRUHAN	1. ELEVATIONS REFER TO CITY OF NEWTON DATUM.
	EGEND	NOTE: ANY TREE BEING	SYSTEM IS DESIGNED	WATER MAIN LINE	ENGINEERING,	2. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND
NINFORMATION SHOWN ON THIS PLAN	BOUND	REMOVED SHALL	FOR 100 YEAR STORM	LOCATION TO BE	P.C.,	MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY TH LOCATIONS OF ANY CROSSINGS OF PROPOSED AND EXISTING UTILITIES.
ERFORMED BY PETER NOLAN & O SSOCIATES LLC AS OF 9/18/2021. O	IRON PIN/PIPE STONE POST	COMPLY WITH CITY OF NEWTON	EVENT FOR ALL RUNOFF FROM	CONFIRMED_BY CONTRACTOR	ACCEPTS NO	3. MASSACHUSETTS STATE LAW REQUIRES UTILITY NOTIFICATION AT LEAST THREE BUSINESS DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL DIG-SAFE AT 1-888-344-7233 IN ORDER TO COMPLY WITH
DEED REFERENCE: BOOK 12505,	TREE	TREE ORDINANCE	PROPOSED		LIABILITY	STATE LAW.
AGE 463 TED REFERENCE: BOOK 19297, PAGE	TREE STUMP	THE ONDIVANCE	IMPERVIOUS AREAS SHOWN. CONTRACTOR		FOR GROUND WA TER	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.
AN REFERENCE 1: PLAN 1142 OF	SHRUBS/FLOWERS	NOTE: ANY PROPOSED	SHALL NOT CONNECT	NOTE: SURFACE	OR OTHER	
AN REFERENCE 1: PLAN 645 OF	BOLLARD	RETAINING WALLS SHALL	SUMP PUMP TO THE	WATER TO BE	SURFACE	5. PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35.
C PLAN 9887-B	SEWER MANHOLE	BE DESIGNED BY OTHERS		DIVERTED FROM ALL	WATER IN	6. PROPOSED WATER SERVICE SHALL BE 1" TYPE K COPPER.
EGISTRY OF DEEDS	DRAIN MANHOLE		APPROVAL FROM	SIDES OF FOUNDATION WALL	BASEMENT	7. THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND ON SEPTEMBER 18TH, 2021.
THIS PLAN IS NOT INTENDED TO BE	CATCH BASIN		ENGINEERING DEPAR TMENT.			8. ALL WORK SHALL BE SUBJECT TO THE INSPECTION BY AND APPROVAL OF THE CITY ENGINEER.
	WATER MANHOLE WATER VALVE		DEFAR IMENT.		NOTE:	9. NO EXCAVATION SHALL BE MADE BY THE CONTRACTOR IN ANY PUBLIC WAY OR UTILITY EASEMENT UNLI 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 T
OWN IS LOCATED WITHIN A SPECIAL DOD HAZARD ZONE. IT IS LOCATED IN	HYDRANT			BF1-8	CONTRACTOR TO	FOLLOWING:
OUNDARY MAP NUMBER 25017C0551E,	GAS VALVE ELECTRIC MANHOLE	Crew 3		$\sqrt{26.32}$		a. SUCH PUBLIC UTILITY COMPANIES AS SUPPLY GAS, ELECTRICITY, AND TELEPHONE SERVICE IN THE CITY.
COMMUNITY NUMBER: 250208, DATED /4/2010. ON AND OFF-SITE SURVEY EMONSTRATE THAT THE 100-YEAR	ELECTRIC HANDHOLE		EXIST. FENCE X 40.34	× × × × × × × × × × × × × × × × × × ×	WATER FROM SPLASH BLOCKS	<ul> <li>b. SUCH PRIVATE COMPANIES AS PROVIDE CABLE TELEVISION SERVICE IN THE CITY.</li> <li>c. CITY OF NEWTON WATER &amp; SEWER DEPARTMENT. SUCH NOTICE SHALL SET FORTH THE STREET NAM AND A REASONABLY ACCURATE DESCRIPTION OF THE LOCATION OF THE EXCAVATION.</li> </ul>
OODPLAIN ELEVATION AT THE SITE IS NAVD 88 (45.5 CITY OF NEWTON THE HIGHER FLOODPLAIN	UTILITY POLE	* 42:33 42:38 2 05	* * * * * * * * * * * * * * * * * * * *	m) 80'±(d)	(IF ANY) IS DIVERTED AWAY	10. THE CONTRACTOR SHALL PROVIDE CITY OF NEWTON POLICE OFFICERS FOR THE DIRECTION AND CONTRO OF TRAFFIC, AS REQUIRED BY THE CITY ENGINEER.
EVATION WOULD PREVAIL.	MANHOLE SPOT GRADE		\$23 <u>03</u> '3	<b>4</b> ," <b>E</b>	FROM BUILDING	11. NO WORK SHALL BE PERFORMED UNTIL THE NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF NEWTON PUBLIC WORKS DEPARTMENT.
THIS PLAN DOES NOT SHOW ANY X148.00 RECORDED OR UNWRITTEN EASEMENTS ICH MAY EXIST. A REASONABLE AND IGENT ATTEMPT HAS BEEN MADE TO BW	TOP OF WALL	41.83			FOUNDATION AND DIVERTED AWAY	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.
SERVE ANY APPARENT USES OF THE NOT CONSTITUTE					FROM NEIGHBORING	13. WARNING SIGNS SHALL CONFORM TO 2020 MUTCD STANDARD HIGHWAY SIGN.
	RETAINING WALL					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 SIDES OF THE GALLEYS. BACKFILL AS REQUIRED WITH A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS
THRESHOLD.	FENCE TREE LINE SEWER LINE			×40.45.	N/F VISCARIELLO MARCO BK. 1540 PG. 71	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.
INING TABLE AS PETER NOLAN & SOCIATES LLC ARE NOT ZONING PERTS. TABLE IS TAKEN FROM TABLE	DRAIN LINE	-X.41.35 B	· · · · · · · · · · · · · · · · · · ·	HWLINE		16. IF ANY PART OF THIS DESIGN IS TO BE ALTERED IN ANY WAY, THE DESIGN ENGINEER, AS WELL AS TH APPROVING AUTHORITIES, SHALL BE NOTIFIED IN WRITING BEFORE CONSTRUCTION.
OVIDED BY LOCAL ZONING DINANCE. CLIENT AND/OR ARCHITECT VERIFY THE ACCURACY OF ZONING	GAS LINE		PROPOSED MITIGATION AREA (3,600 S.F.)	BF1-7		17.THE ROOF RUNOFF FROM THE ROOF SURFACES SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO T STORM WATER DRAINAGE SYSTEM,
THE ELEVATIONS SHOWN ARE BASED	UNDER. ELECT. LINE OVERHEAD WIRES CONTOUR LINE (MJR)			39:91		18. PRIOR TO AN OCCUPANCY PERMIT BEING ISSUED, AN AS-BUILT PLAN SHOULD 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, STRUCTUF ACCESS/MAINTENANCE COVERS, ANY EASEMENTS AND FINAL GRADING.
ZONING DISTRICT: MULTI-RESIDENCE (LOT CREATED AFTER 12/07/1953)	CONTOUR LINE (MNR)			× × × 40.55		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.
. WETLAND RESOURCE AREAS LINEATED BY LUCAS ENVIRONMENTAL,		N/F				20. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS OR AS-BU LOCATIONS. PETER NOLAN & ASSOCIATES, LLC. WILL NOT PROVIDE AS-BUILT CERTIFICATION TO UNINSPECT BACKFILLED UTILITIES. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO INSPECTIONS.
C ON AUGUST 31, 2021.		SAN MANDAYAM A AMY ANURADHA M				21. ANY PROPOSED PVC PIPES UNDER PAVING OR CONCRETE WITH LESS THAN 30" OF COVER MUST MUST BE ENCASED IN CONCRETE. (SEE PAGE 21, CITY OF NEWTON GENERAL CONSTRUCTION DETAILS.)
	BK. 3	36516 PG. 465	PROPOSED 14.2CF COMPENSATION CUT			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 I THE DELAY OF ISSUANCE OF THE UTILITY CONNECTION PERMIT.
FLOODPLAIN IMPACT & MITIGATION SUMMARY       ELEVATION (FT)     FLOODPLAIN IMPACT (CF)     FLOOD MITIGATION (CF)     FLOODPLAIN NET (CF)		SILT FENCE				23. THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE A 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.
40-41         2.0         14.2         12.2           41-42         6.0         402.5         396.5           42-43         94.8         532.0         437.2           43-44         723.6         1335.0         611.4           44-45         48.0         1104.0         1056.1		LINE 16.1'		44	BROOM	24. THE EXISTING CONTOURS OF THE LAND ARE NOT TO BE ALTERED BY MORE THAN THREE (3) FEET AS RESULT OF THE PLACEMENT OR REMOVAL OF SOD, LOAM, CLAY, GRAVEL OR STONE, OR OTHER SOLID MATERIAL UNLESS A PROPOSED RETAINING WALL OR SWALE IS INSTALLED AFTER IT IS APPROVED BY BOT CITY OF NEWTON ENGINEERING DEPARTMENT & CITY OF NEWTON I.S.D
45-45.5         24.0         552.0         528.0           TOTALS         898.4         3939.7         3041.3           FLOODPLAIN NET = FLOODPLAIN CUT - FLOODPLAIN FILL;         FLOODPLAIN FILL;         FLOODPLAIN FILL;		40.64			<b>天</b> F1-6	25. NO WORK IS ALLOWED WITHIN A CITY OF NEWTON RIGHT-OF-WAY BETWEEN NOVEMBER 15TH AND API 15TH. IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, APPLICANT MAY REQUES 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





SIGNATU	RF

ZONI	NG LEO	GEND						
ZONING DISTRICT: MR1 MULTI RESIDENTIAL-1 (LOT CREATED BEFORE 12/07/1953)								
	REQUIRED	PROPOSED						
MIN. AREA	7,000 S.F	16,589.4 S.F.± (MEASURED)						
MIN. FRONTAGE	70'	80.0'						
MIN. YARD FRONT	25'	28.6'						
SIDE	7.5'	7.6' (Left)						
REAR	15'	114.8'						
MAX. LOT COV.	30%	17.42%						
MIN. OPEN SPACE	50%	74.77%						

# DEEP OBSERVATION HOLE LOG:

GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 27 CROSS ST, NEWTON, MA. BY MATTHEW MUI, SOIL EVALUATOR #14259 REPRESENTING SPRUHAN ENGINEERING, P.C.

DATED: 7/16/2022 HOLE NUMBER: TP-1

GENERAL SITE CONDITIONS: BUILDINGS, PAVED/GRASS AREAS.

GRADE AT TEST PIT =  $41.0'\pm$ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE AT 35.3' ±.

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

DEEP OBSERVATION HOLE LOG											
0	EEP OBS	ERVATION	HOLE NUM	BER:		GRC	UND ELE	/ATION:		41.0	
Depth	Horizon/ Layer	Matrix:	Red	oximorphic Feat	ures			Coarse Fragments (Percent by Volume)		Consistence	Other
(in)		Color-Moist	Depth (in)	Color	Percent	(USDA) Gravel	Cobbles & Stones	- Structure	(Moist)	Guler	
0-36	FILL	-	-	-	-		-	-			
36-54	Ар	10 YR <sup>4</sup> / <sub>2</sub>	-	-	-	SILT LOAM	5	-	ABK	VFR	
54-64	Bw	10 YR <del>3</del>	-	-	-	SILT LOAM	5	10	ABK	VFR	
64-78+	с	10 YR <sup>6</sup> /2	64	5 YR 🖁	35	SAND	-	5	GRAN	LOOSE	1,2

S: WEEPING OBSERVED AT APPROX 68" WATER OBSERVED @ BOTTOM OF HOLE LOGGED BY MATTHEW MUI, SE14259 ON 7/16/2022.

# DEEP OBSERVATION HOLE LOG:

GENERAL SOIL CONDITIONS FOR THE AREA PERFORMED AT 27 CROSS ST, NEWTON, MA. BY MATTHEW MUI, SOIL EVALUATOR #14259 REPRESENTING SPRUHAN ENGINEERING, P.C.

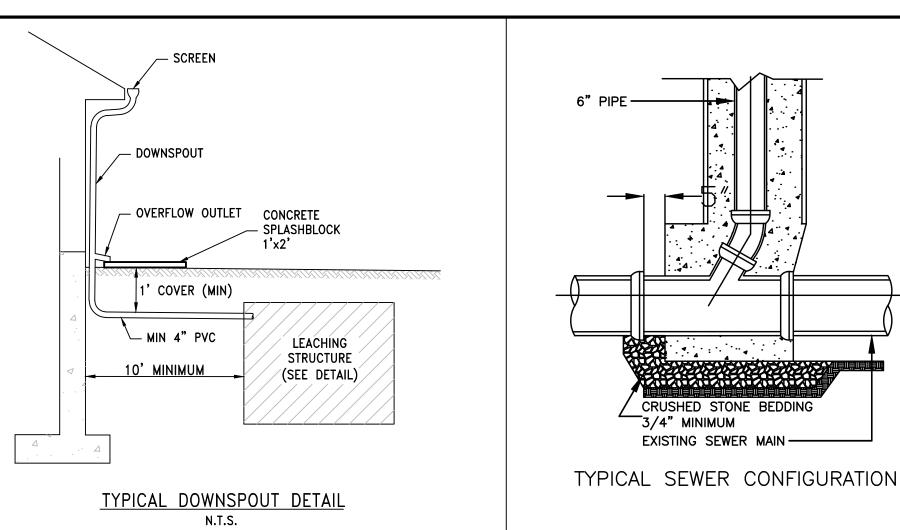
DATED: 7/16/2022 HOLE NUMBER: TP-2

GENERAL SITE CONDITIONS: BUILDINGS, PAVED/GRASS AREAS.

GRADE AT TEST PIT =  $43.5'\pm$ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE AT N/A.

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

0	DEEP OBS	ERVATION	HOLE NUM	BER:	TP-2	TP-2 GROUND ELEVATION			VATION:		
Depth	Horizon/	Matrix:	Red	oximorphic Feat	tures	Texture	Coarse Fragments (Percent by Volume)		_	Consistence	
(in)	Layer	Color-Moist	Depth (in)	Color	Percent	(USDA)	Gravel	el Cobbles & Stones	Structure	(Moist)	
0-50	FILL										
50-60	Ap	10 YR 🛔	-		-	SILT LOAM	5	-	ABK	VFR	
60-72	Bw	10 YR <sup>3</sup> / <sub>4</sub>	-			SILT LOAM	5	10	ABK	VFR	
72-108+	с	10 YR <sup>6</sup> / <sub>4</sub>	102	5 YR 🖁	20	SAND	-	5	GRAN	LOOSE	
NOTES:		MATTHEW MU						1			

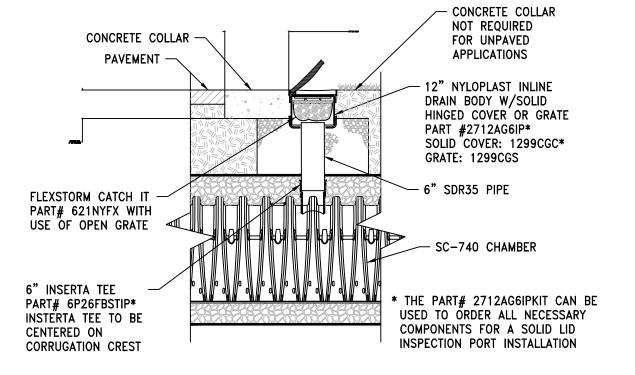


## ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.		PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145' A-1, A-2-4, A-3 OR AASHTO M43' 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MA LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WEL GRADED MATERIAL AND 95% RELATIVE DENSITY FO PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 Ibs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 Ibs (89 kN).
в	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43' 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43' 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2 3</sup>

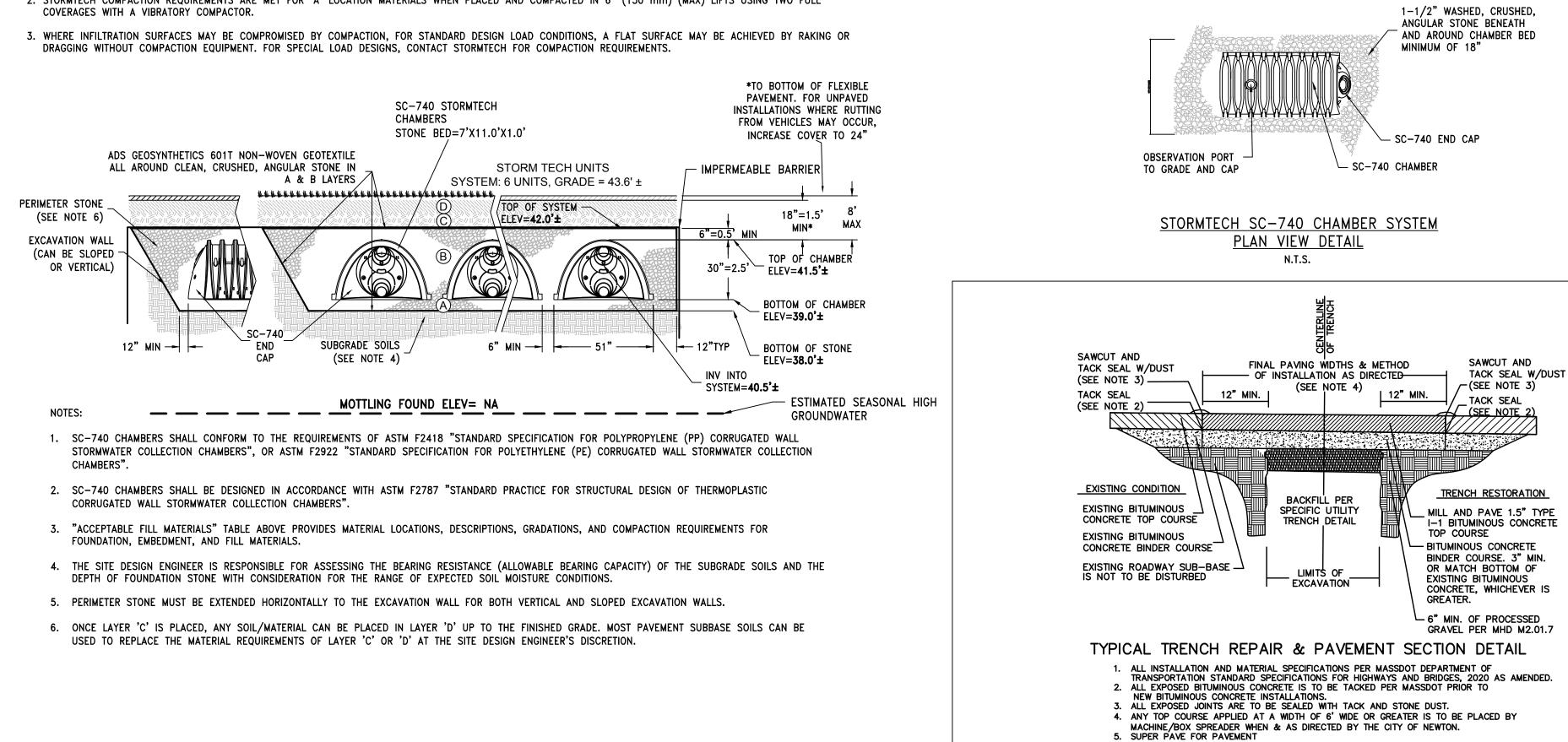
#### PLEASE NOTE:

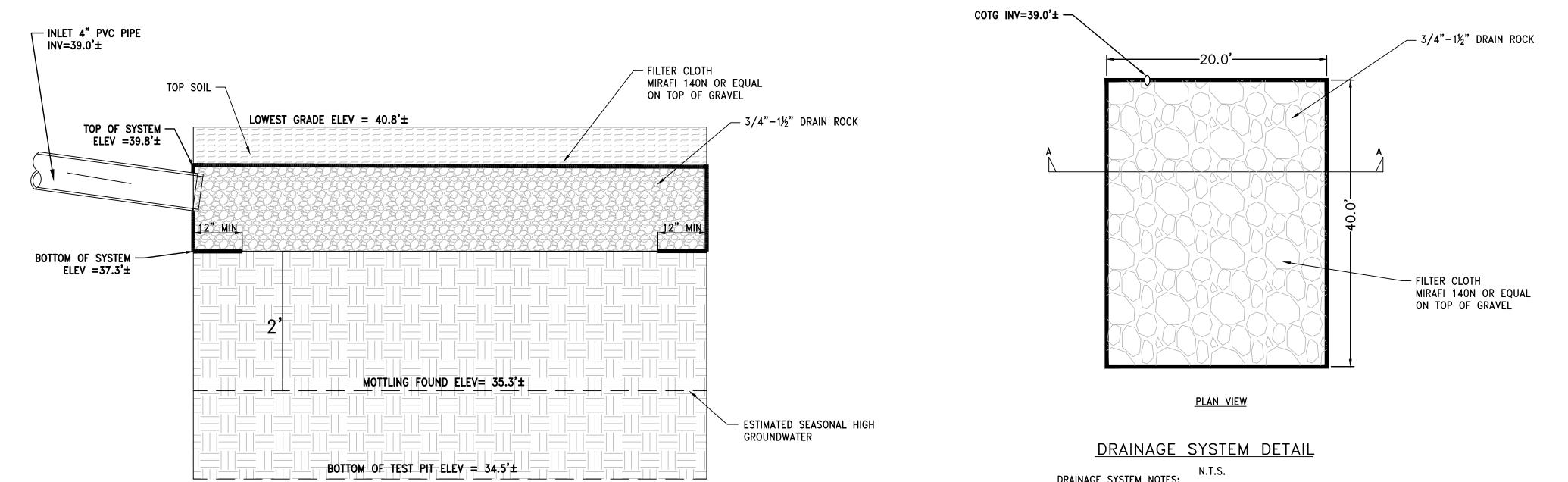
- 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



SC-740 6" INSPECTION PORT DETAIL







### SECTION A-A VIEW

## SECTION DETAIL FOR DRAINAGE SYSTEMS N.T.S.

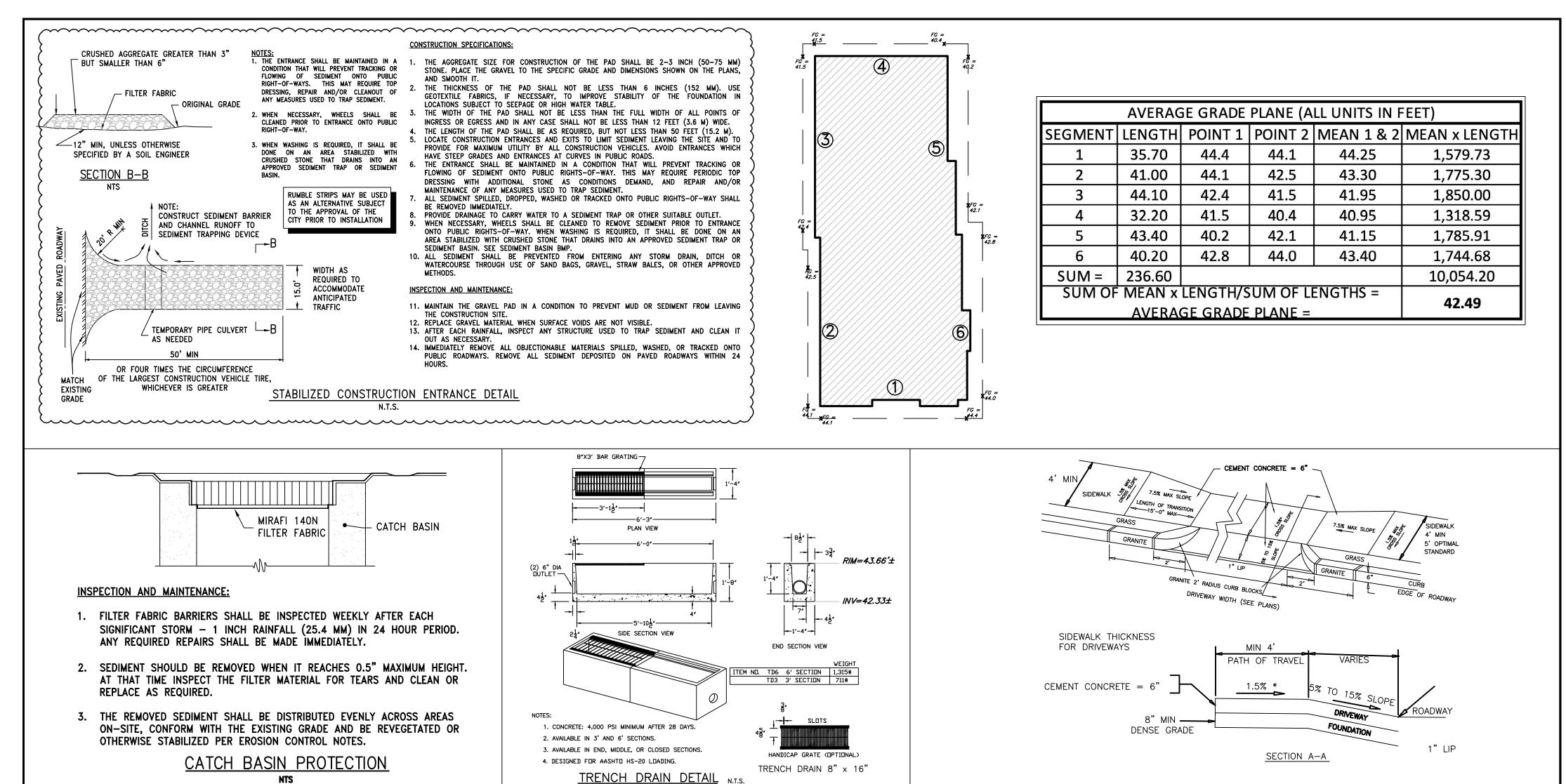
DRAINAGE SYSTEM NOTES:

1. ENTIRE SYSTEM SHALL BE ENCASED IN FILTER FABRIC.

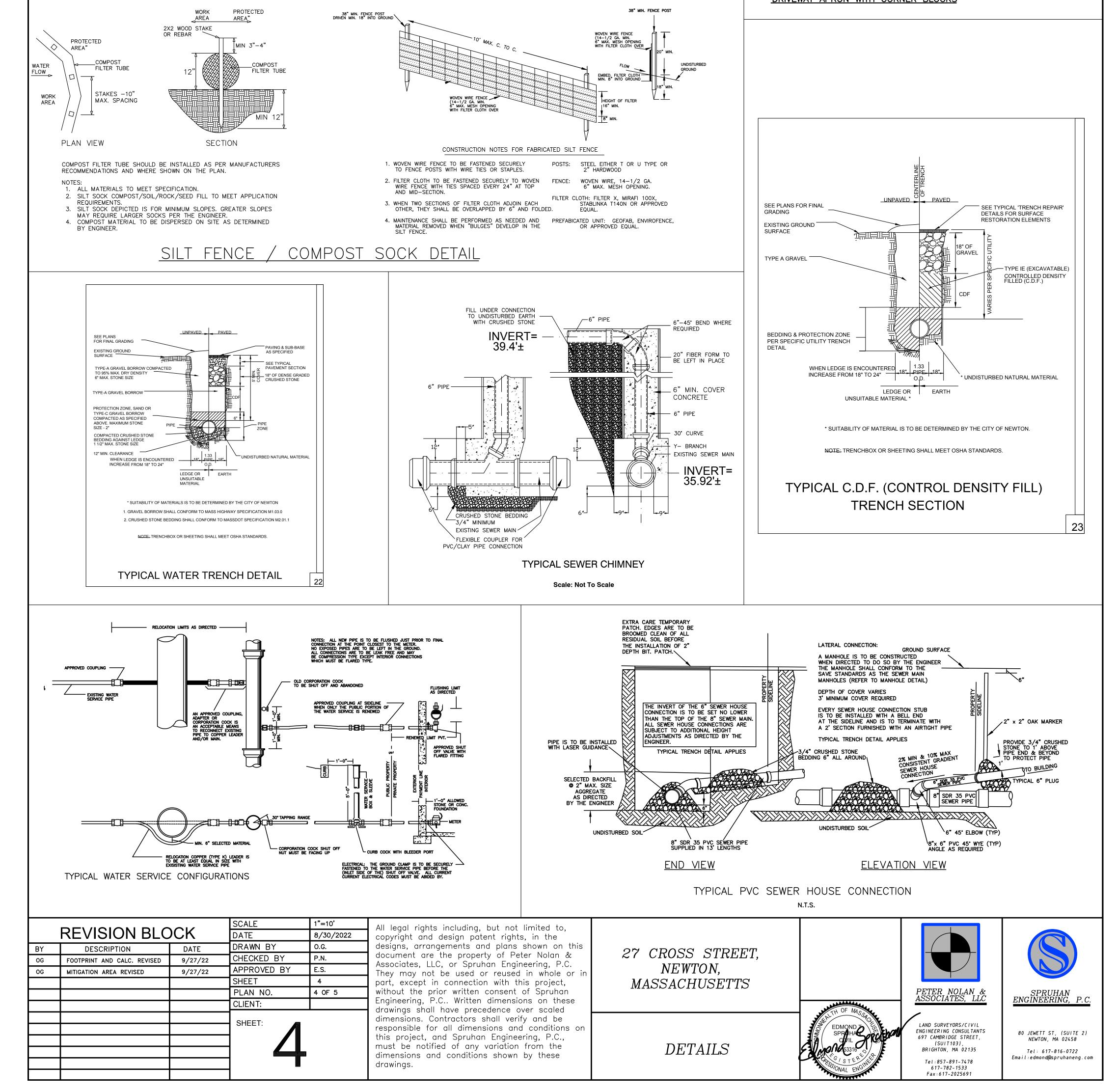
2. LOCATION OF SYSTEM PER PLANS.

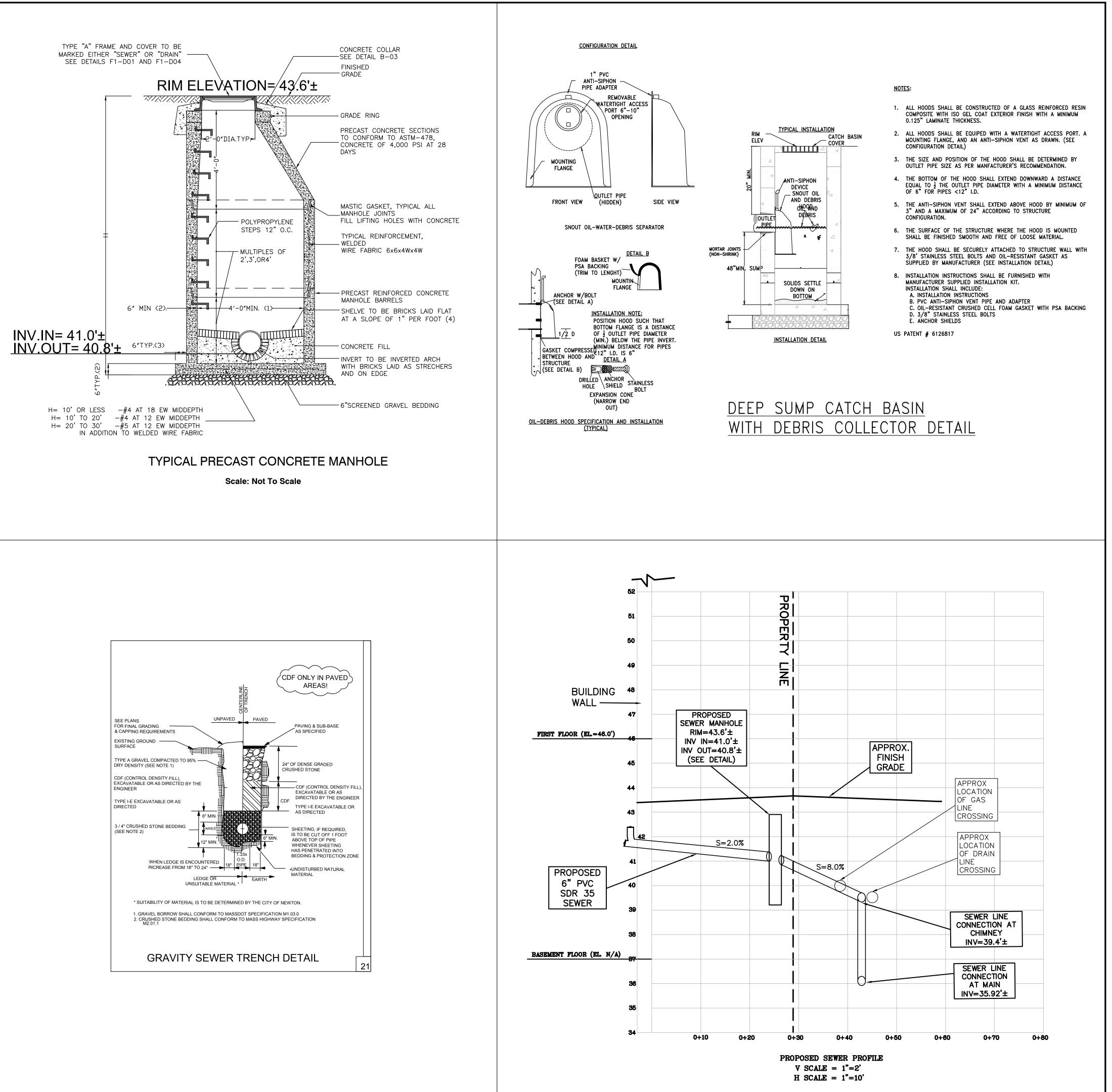
3. DESIGN ENGINEER WILL INSPECT AND CERTIFY IN WRITING THAT ALL DRAINAGE WORK WAS INSTALLED IN ACCORDANCE WITH APPROVED PLANS. CONTRACTOR TO NOTIFY ENGINEER AT LEAST 72 HOURS IN ADVANCE FOR DRAINAGE SYSTEM INSPECTION PRIOR TO BACKFILLING.

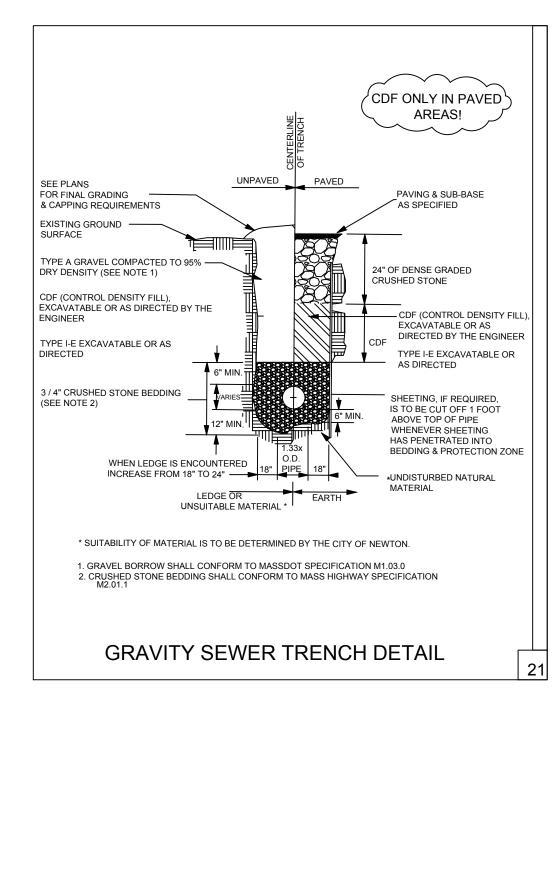
			SCALE	1"=10'	All legal rights including, but not limited to,					
	<b>REVISION BLC</b>	)CK	DATE	8/30/2022	copyright and design patent rights, in the					
BY	DESCRIPTION	DATE	DRAWN BY	0.G.	designs, arrangements and plans shown on this					
OG	FOOTPRINT AND CALC. REVISED	9/27/22	CHECKED BY	P.N.	document are the property of Peter Nolan & Associates, LLC, or Spruhan Engineering, P.C.	27 CROSS STREET, NEWTON, MASSACHUSETTS	· · · · ·			
OG	MITIGATION AREA REVISED	9/27/22	APPROVED BY	E.S.	They may not be used or reused in whole or in		MASSACHUSETTS			
			SHEET	3	part, except in connection with this project,					
			PLAN NO.	3 OF 5	without the prior written consent of Spruhan			PETER NOLAN & ASSOCIATES, LLC	SPRUHAN ENGINEERING, P.C.	
			CLIENT:		Engineering, P.C Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on this project, and Spruhan Engineering, P.C., must be notified of any variation from the dimensions and conditions shown by these drawings.				ASSOCIATES, LLC	ENGINEERING, P.C.
			SHEET:			DETAILS	EDMOND P SPRIHAD CHIL CHIL CHIL CHIL CHIL CHIL CHIL CHIL	LAND SURVEYORS/CIVIL ENGINEERING CONSULTANTS 697 CAMBRIDGE STREET, (SUIT103), BRIGHTON, MA 02135 Tel:857-891-7478 617-782-1533 Fax:617-2025691	80 JEWETT ST, (SUITE 2) NEWTON, MA 02458 Tel: 617-816-0722 Email:edmond@spruhaneng.com	



\* TOLERANCE FOR CONSTRUCTION +/- 0.5% DRIVEWAY APRON WITH CORNER BLOCKS







	<b>REVISION BLC</b>	CK	SCALE         1"=10'           DATE         8/30/2022		All legal rights including, but not limited to, copyright and design patent rights, in the				
BY	DESCRIPTION	DATE	DRAWN BY	0.G.	designs, arrangements and plans shown on this				
OG	FOOTPRINT AND CALC. REVISED	9/27/22	CHECKED BY	P.N.	document are the property of Peter Nolan & Associates, LLC, or Spruhan Engineering, P.C.	27 CROSS STREET, NEWTON, MASSACHUSETTS			
OG	MITIGATION AREA REVISED	9/27/22	APPROVED BY	E.S.	They may not be used or reused in whole or in				
			SHEET	5	part, except in connection with this project, without the prior written consent of Spruhan Engineering, P.C Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on this project, and Spruhan Engineering, P.C., must be notified of any variation from the dimensions and conditions shown by these drawings.				
			PLAN NO.	5 OF 5			EDMOND P SPRIHAD CVIL CVIL CVIL CVIL CVIL CVIL CVIL CVIL	PETER NOLAN & ASSOCIATES, LLC	SPRUHAN ENGINEERING, P.C.
			CLIENT:					ADDUCIATED, LLC	ENGINEERING, P.C.
			SHEET:			DETAILS		LAND SURVEYORS/CIVIL ENGINEERING CONSULTANTS 697 CAMBRIDGE STREET, (SUIT103), BRIGHTON, MA 02135 Tel:857-891-7478 617-782-1533 Fax:617-2025691	80 JEWETT ST, (SUITE 2) NEWTON, MA 02458 Tel: 617-816-0722 Email:edmond@spruhaneng.com