

Drawing Reference

This plan based on the drawing provided by S47[a] Architects and the survey performed by Rober Survey, Professional Land Surveyors.
City of Newton Bench Marks Used:

All utility design shall be installed in accordance with the requirements of the City of Newton Department of Public Works.

Owner Address
23 Johnson Place
Newton, MA 02466
Contact Person - Michael Lohin
(617) 721-8533

Owner of Record
23 Johnson Place Realty Trust
Book 30756, Page 545

Map ID
038SW
Property ID
410070014

Project Information

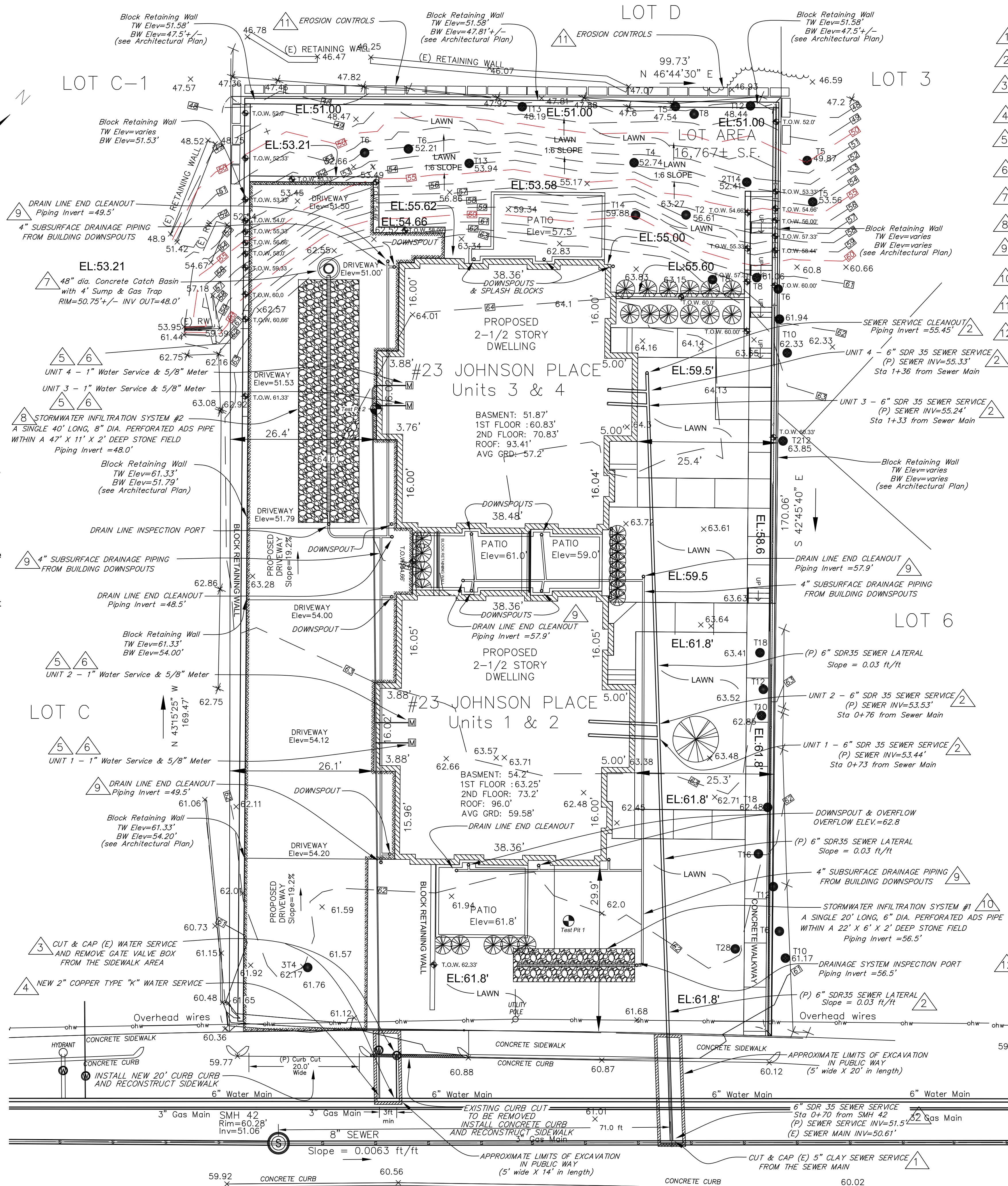
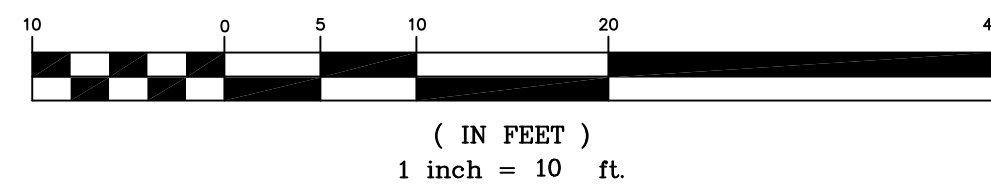
Construction of Two Residential Dwellings containing Four Units total
3 Bedrooms per unit - 12 Bedrooms Total

1. Anticipated Daily Sewage Flow = 1320 gpd
2. (P) 6" SDR35 Sanitary Sewer Connection
3. (E) 1-1/2" Domestic Water Service with a 1" Master Meter.
4. Building Drainage: Rain leaders connected to 4" PVC subsurface piping that is directed into a drainage system consisting of five (5) 8" ADS N-12 perforated piping embedded in a 12' x 12' x 2' field of 1-1/2" crushed, washed stone located at the front of the property.
5. Driveway Drainage: A 48" dia. Concrete Catch Basin located at the driveway entrance will direct stormwater flows into a drainage system consisting of 8" perforated ADS N-12 piping embedded in a 12' x 12' x 2' field of 1-1/2" crushed, washed stone located at the left side of the property under the proposed driveway.

General Notes

1. The new building sewer shall be constructed in conformance with current City of Newton standards and specifications, the Uniform State Plumbing Code, 248 CMR 2.00 and any other governing agency with authority in this area.
2. The installing contractor shall call Digsafe at 1-888-DIG-SAFE at least 72 hours, Saturdays, Sundays and Holidays Excluded, prior to excavating at any location. A copy of the Digsafe Project Reference Number(s) shall be maintained on site.
3. The City of Newton Engineering Division shall have the right to inspect the installation of the building utility installation at any reasonable time while such construction is underway.
4. Utility work performed within a Public Street that has been paved or reconstructed within the past five (5) years will require the contractor to mill a minimum of 1-1/2" off the existing surface 2 ft on both sides of the trench(es) from curb line to curb line and paved with Type I-1 Bituminous Concrete.
5. The contractor is responsible for contacting the Engineering Division and scheduling an appointment 48 hours prior to the date when the utilities will be made available for an inspection of water services, sewer service, and drainage system installation. The utility is question shall be fully exposed for the inspector to view; backfilling shall only take place when the City's Inspector has given their approval.
6. The applicant will have to apply for a Street opening, Sidewalk Crossing, Utility Connecting permits with the City of Newton Department of Public Works prior to any construction.
7. The applicant will have to apply for a Building permits with the Department of Inspectional Services prior to any construction.
8. Prior to an Occupancy permit being issued, an As-Built Plan should be submitted to the Engineering Division in both digital format and in hard copy. The plan should show all utilities and drainage (utilizing swing ties) any easements and final grading.
9. If a Certificate of Occupancy is requested prior to all site work being completed, the applicant will be required to post a Certified Bank Check in the amount to cover the remaining work. The City Engineer shall determine the value of the uncompleted work.
10. No work is allowed within the City of Newton 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 of Applicant's representative must contact the City of Newton Engineering Department prior to start of work for clarification.
11. As of January 1, 2009, all trench excavation contractors shall comply with Massachusetts General Law Chapter 82A, Trench Excavation Safety Requirements, to protect the general public from unauthorized access to unattended trenches. Trench Excavation Permit is required. This applies to all trenches on public or private property.
12. With the exception of gas services, all utility trenches within the City of Newton right-of-way will be backfilled with Type IE (excavatable) controlled density fill, as specified by the City of Newton Engineering Specifications.
13. On-site erosion controls shall be provided as needed, to the satisfaction of the City of Newton Inspector.
14. A copy of the approved plans and a permit shall be kept at the construction site at all times.
15. The new sewer service and/or structures shall be pressure tested or videotaped 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 complete. A Certificate of Occupancy will not be recommended until this test is completed and the City Engineer receives a written report.

GRAPHIC SCALE



INSPECTION CHECKLIST	
1	CUT & CAP (E) 5" CLAY SEWER SERVICE AT MAIN DATE: _____ INSPECTOR: _____
2	INSTALL (P) 6" SDR35 SEWER SERVICE TO MAIN DATE: _____ INSPECTOR: _____
3	CUT & CAP (F) DOMESTIC WATER SERVICE AT MAIN DATE: _____ INSPECTOR: _____
4	INSTALL 1-1/2" CU DOMESTIC SERVICE DATE: _____ INSPECTOR: _____
5	INSTALL 1" WATER SERVICE TO EACH UNIT (4 total) DATE: _____ INSPECTOR: _____
6	INSTALL 5/8" WATER METER IN EACH UNIT (4 total) DATE: _____ INSPECTOR: _____
7	INSTALL CATCH BASIN FOR DRIVEWAY DRAINAGE SYSTEM DATE: _____ INSPECTOR: _____
8	INSTALL STORMWATER INFILTRATION SYSTEM 1 DATE: _____ INSPECTOR: _____
9	INSTALL SUBSURFACE PIPING FROM RAIN LEADERS DATE: _____ INSPECTOR: _____
10	INSTALL STORMWATER INFILTRATION SYSTEM 2 DATE: _____ INSPECTOR: _____
11	INSTALL & MAINTAIN ON SITE EROSION CONTROLS DATE: _____ INSPECTOR: _____
12	SUBMIT AS-BUILT DRAWINGS OF COMPLETED WORK DATE: _____ INSPECTOR: _____

Material Specifications

1. The following size and type of pipe shall be used for all building sewer and building storm drain connections. The minimum size is 6-inches. The material shall be Polyvinyl chloride pipe for the building sewer connections. Polyvinyl chloride pipe and fittings shall conform to ASTM standard specifications D3034 for pipes 6-inches to 15 inches. The PVC pipe shall have pipe diameter to wall thickness ratio (SDR) of a maximum of 35.
2. All water services up to and including 2-inch shall be copper Type K.
3. The subsurface drainage piping from the building's downspouts shall consist of ADS 3000 Triple Wall HDPE pipe and fittings. The Stormwater Infiltration Systems shall consist of ADS N-12 HDPE perforated piping as manufactured by Advanced Drainage Systems, Inc. of Hilliard OH or approved equal.
4. The Catch Basin shall consist of a 48" diameter Concrete Catch Basin as manufactured by Shea Concrete Products of Amesbury, MA with a Snout Structure composite hood devise as manufactured by Nyloplast of 3130 Verona Avenue, Buford, Georgia (see details sheet # 3) as distributed by ADS of 4640 Trueman Blvd, Hilliard, OH, or approved equal.
5. Drain Cleanout / Inspection Ports shall be installed for the subsurface piping at the entrance of the 8" perforated piping as indicated on the plans. The inspection ports shall consist of 4" ADS 3000 Triple Wall HDPE pipe extended up from the invert of the drainage piping to within 4" of grade and topped with a cleanout cap. A frame and grate shall be provided in paved areas.

Special Conditions

- Test Pits must be performed at the location and elevation of the proposed Stormwater Infiltration System #1 in the driveway in order to confirm soil conditions and groundwater elevations. This work to be performed upon completion of the site excavation and installation of the retaining wall along the western property line.
- The onsite drainage system must be inspected by the Engineer of Record - Hayes & Associates during construction in order to certify system installation.
- Upon completion of the work the Developer shall prepare and submit a complete set of "As-Built" drawings prepared by a Massachusetts Registered Professional Engineer. The "As-Built" plans must be submitted before the water service is activated.

The location of the proposed Retaining Walls as shown are approximate and are to be designed by others.

HAYES & ASSOCIATES
Civil Engineers
40 Harrison Avenue, Woburn MA 01801
(781) 998-0246

7-17-20

REVISIONS
1 ISSUED FOR REVIEW
2 REVISED PER ENGINEERING REVIEW COMMENTS

SCALE
1" = 10'

PROPOSED CONSTRUCTION
23 JOHNSON PLACE
NEWTON, MA 02466
JULY 15, 2020

HA 20-563
SITEPLAN#

SHEETS
1 OF 4

Drawing Reference

This plan based on the drawing provided by S47[a] Architects and the survey performed by Robert Survey, Professional Land Surveyors.
City of Newton Bench Marks Used:

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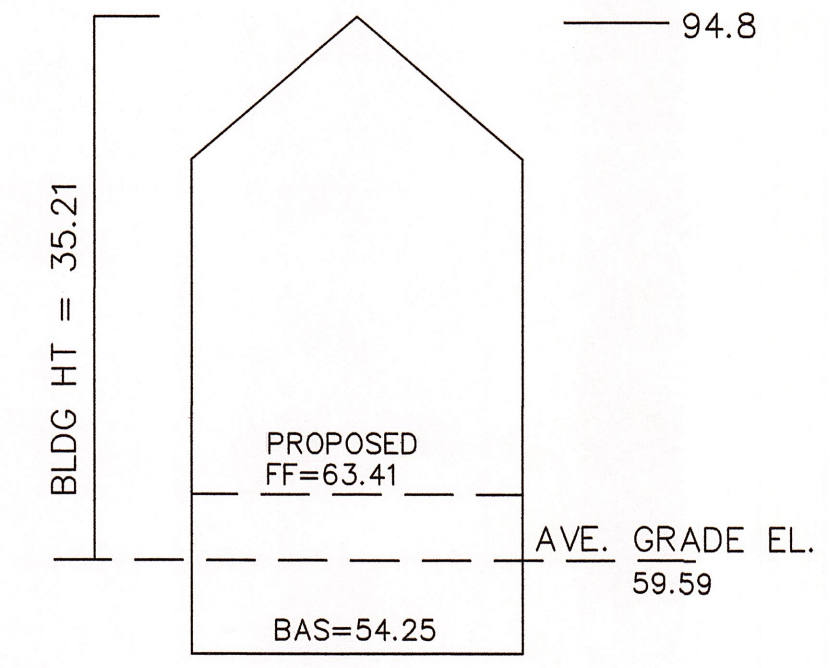
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FLOOR AREA RATIO WORKSHEET
For Residential Single and Two Family Structures

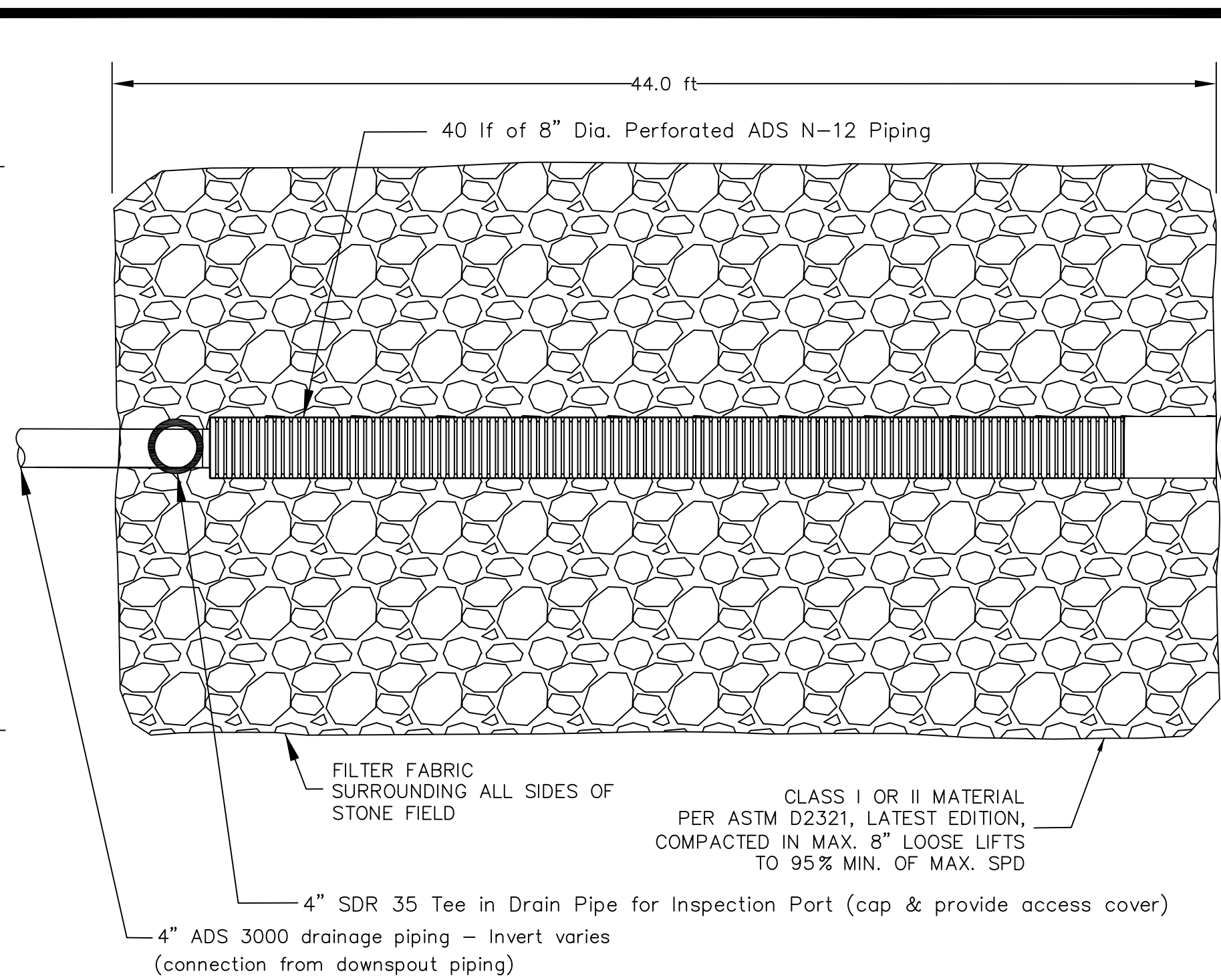
Property address: 23 Johnson Place
 zoning District: M31 Lot Size: 16,767

FAA Calculations for Regulations Effective On Or After 10/15/2014	
1. First story	4,000sf
2. Attached garage	NA
3. Second story	4,000sf
4. Attic, open walls and other vertical spaces (if not counted in first/second story)	0sf
5. Certain floor area above the second story	0sf
6. Enclosed porch	0sf
7. Area below first story	738sf
8. Detached garage	NA
9. Area above detached garage with a ceiling height of 7' or greater	NA
10. Other detached accessory building area attached to lot on 1-10 sq. ft. is exempt	NA
FAA of Proposed Structure:	
A. Total gross floor area (sum of rows 1-9 above)	8,718sf
B. Volume	18,767sf
C. FAR = A/B	.51
Allowable FAR	.50
Amount of FA if allowed	.51
TOTAL Allowable FAR	.50

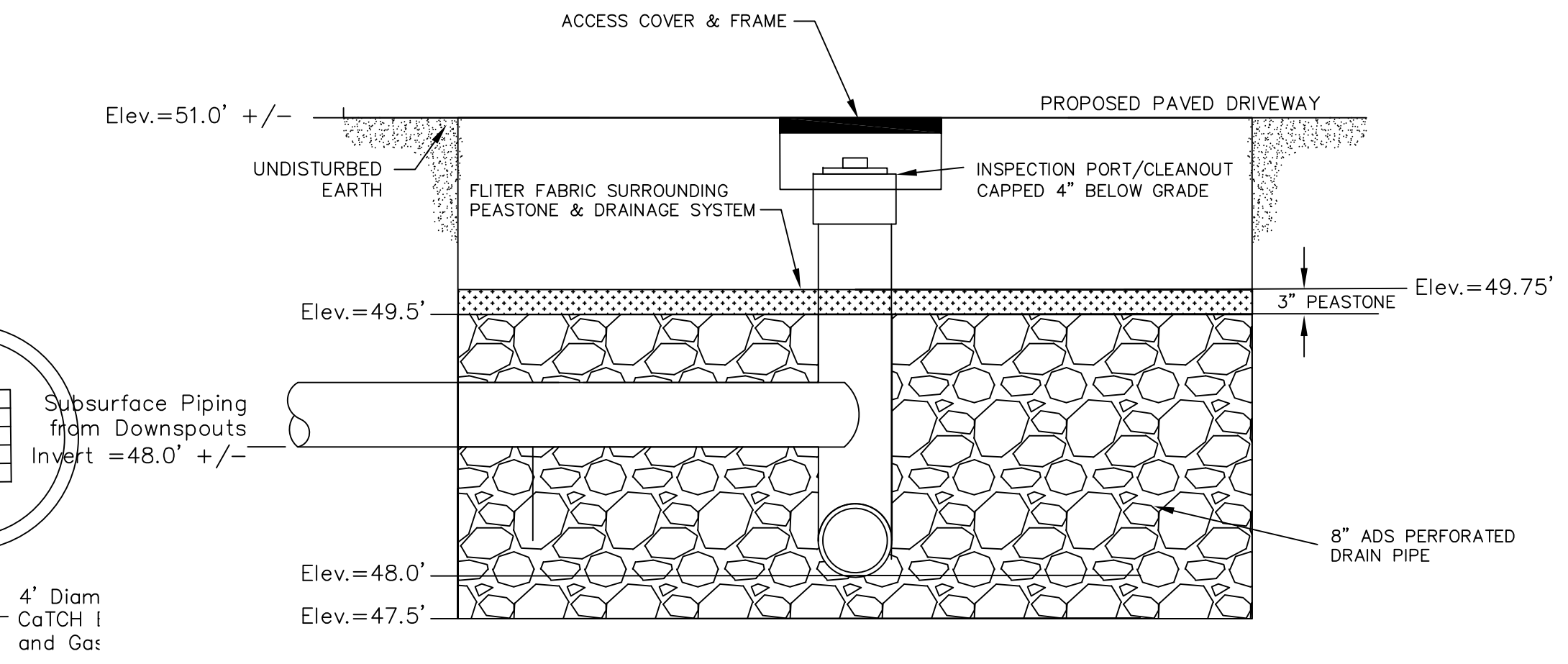


BUILDING HEIGHT
NOT TO SCALE
FRONT BUILDING

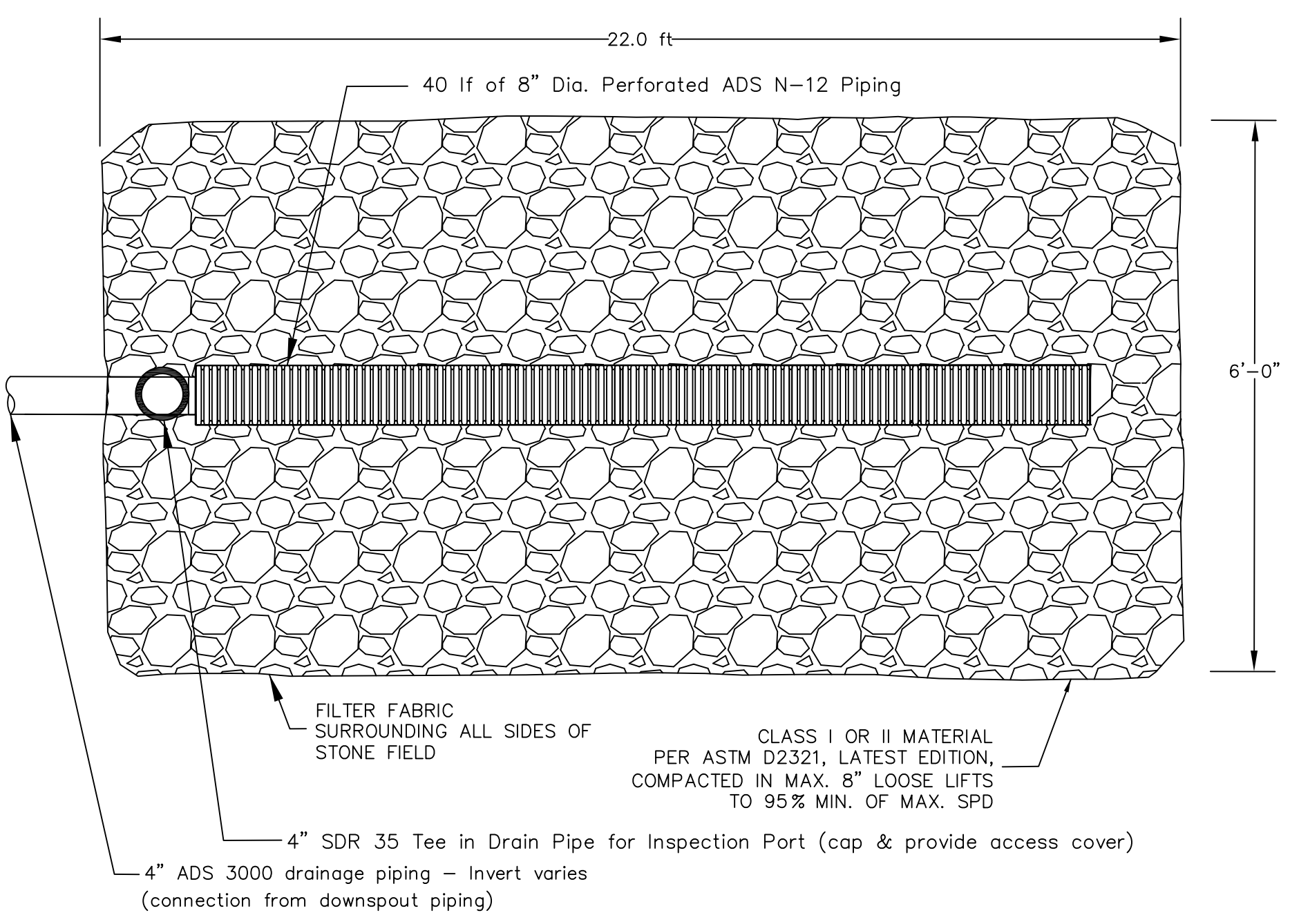
Segment From Node	Segment To Node	Segment Length	Segment Area	Avg New	Existing Height	Change in Elevation
A	B	61.8	38.36	ABPT: 57.050	61.7	61.7
B	C	61.8	10	ABPT: 58.9	61.7	61.7
C	D	61.8	3	ABPT: 59	61.7	61.7
D	E	61.8	11.9	ABPT: 60.94	61.7	61.7
E	F	61.8	3	ABPT: 60	61.7	61.7
F	G	61.8	18.36	ABPT: 57.050	61.7	61.7
G	H	61.8	11.9	ABPT: 60.94	61.7	61.7
H	I	61.8	3	ABPT: 59	61.7	61.7
I	J	61.8	10	ABPT: 58.9	61.7	61.7
J	K	61.8	38.36	ABPT: 57.050	61.7	61.7
K	L	61.8	10	ABPT: 58.9	61.7	61.7
L	M	61.8	38.36	ABPT: 57.050	61.7	61.7
M	N	61.8	10	ABPT: 58.9	61.7	61.7
N	O	61.8	38.36	ABPT: 57.050	61.7	61.7
O	P	61.8	10	ABPT: 58.9	61.7	61.7
P	Q	61.8	38.36	ABPT: 57.050	61.7	61.7
Q	R	61.8	10	ABPT: 58.9	61.7	61.7
R	S	61.8	38.36	ABPT: 57.050	61.7	61.7
S	T	61.8	10	ABPT: 58.9	61.7	61.7
T	U	61.8	38.36	ABPT: 57.050	61.7	61.7
U	V	61.8	10	ABPT: 58.9	61.7	61.7
V	W	61.8	38.36	ABPT: 57.050	61.7	61.7
W	X	61.8	10	ABPT: 58.9	61.7	61.7
X	Y	61.8	38.36	ABPT: 57.050	61.7	61.7
Y	Z	61.8	10	ABPT: 58.9	61.7	61.7
Z	AA	61.8	38.36	ABPT: 57.050	61.7	61.7
AA	AB	61.8	10	ABPT: 58.9	61.7	61.7
AB	AC	61.8	38.36	ABPT: 57.050	61.7	61.7
AC	AD	61.8	10	ABPT: 58.9	61.7	61.7
AD	AE	61.8	38.36	ABPT: 57.050	61.7	61.7
AE	AF	61.8	10	ABPT: 58.9	61.7	61.7
AF	AG	61.8	38.36	ABPT: 57.050	61.7	61.7
AG	AH	61.8	10	ABPT: 58.9	61.7	61.7
AH	AI	61.8	38.36	ABPT: 57.050	61.7	61.7
AI	AJ	61.8	10	ABPT: 58.9	61.7	61.7
AJ	AK	61.8	38.36	ABPT: 57.050	61.7	61.7
AK	AL	61.8	10	ABPT: 58.9	61.7	61.7
AL	AM	61.8	38.36	ABPT: 57.050	61.7	61.7
AM	AN	61.8	10	ABPT: 58.9	61.7	61.7
AN	AO	61.8	38.36	ABPT: 57.050	61.7	61.7
AO	AP	61.8	10	ABPT: 58.9	61.7	61.7
AP	AQ	61.8	38.36	ABPT: 57.050	61.7	61.7
AQ	AR	61.8	10	ABPT: 58.9	61.7	61.7
AR	AS	61.8	38.36	ABPT: 57.050	61.7	61.7
AS	AT	61.8	10	ABPT: 58.9	61.7	61.7
AT	AU	61.8	38.36	ABPT: 57.050	61.7	61.7
AU	AV	61.8	10	ABPT: 58.9	61.7	61.7
AV	AW	61.8	38.36	ABPT: 57.050	61.7	61.7
AW	AX	61.8	10	ABPT: 58.9	61.7	61.7
AX	AY	61.8	38.36	ABPT: 57.050	61.7	61.7
AY	AZ	61.8	10	ABPT: 58.9	61.7	61.7
AZ	BA	61.8	38.36	ABPT: 57.050	61.7	61.7
BA	BB	61.8	10	ABPT: 58.9	61.7	61.7
BB	BC	61.8	38.36	ABPT: 57.050	61.7	61.7
BC	BD	61.8	10	ABPT: 58.9	61.7	61.7
BD	BE	61.8	38.36	ABPT: 57.050	61.7	61.7
BE	BF	61.8	10	ABPT: 58.9	61.7	61.7
BF	BG	61.8	38.36	ABPT: 57.050	61.7	61.7
BG	BH	61.8	10	ABPT: 58.9	61.7	61.7
BH	BI	61.8	38.36	ABPT: 57.050	61.7	61.7
BI	BJ	61.8	10	ABPT: 58.9	61.7	61.7
BJ	BK	61.8	38.36	ABPT: 57.050	61.7	61.7
BK	BL	61.8	10	ABPT: 58.9	61.7	61.7
BL	BM	61.8	38.36	ABPT: 57.050	61.7	61.7
BM	BN	61.8	10	ABPT: 58.9	61.7	61.7
BN	BO	61.8	38.36	ABPT: 57.050	61.7	61.7
BO	BP	61.8	10	ABPT: 58.9	61.7	61.7
BP	BQ	61.8	38.36	ABPT: 57.050	61.7	61.7
BQ	BR	61.8	10	ABPT: 58.9	61.7	61.7
BR	BS	61.8	38.36	ABPT: 57.050	61.7	61.7
BS	BT	61.8	10	ABPT: 58.9	61.7	61.7
BT	BU	61.8	38.36	ABPT: 57.050	61.7	61.7
BU	BV	61.8	10	ABPT: 58.9	61.7	61.7
BV	BW	61.8	38.36	ABPT: 57.050	61.7	61.7
BW	BX	61.8	10	ABPT: 58.9	61.7	61.7
BX	BY	61.8	38.36	ABPT: 57.050	61.7	61.7
BY	BZ	61.8	10	ABPT: 58.9	61.7	61.7
BZ	CA	61.8	38.36	ABPT: 57.050	61.7	61.7
CA	CB	61.8	10	ABPT: 58.9	61.7	61.7
CB	CC	61.8	38.36	ABPT: 57.050	61.7	61.7
CC	CD	61.8	10	ABPT: 58.9	61.7	61.7
CD	CE	61.8	38.36	ABPT: 57.050	61.7	61.7
CE	CF	61.8	10	ABPT: 58.9	61.7	61.7
CF	CG	61.8	38.36	ABPT: 57.050	61.7	61.7
CG	CH	61.8	10	ABPT: 58.9	61.7	61.7
CH	CI	61.8	38.36	ABPT: 57.050	61.7	61.7
CI	CJ	61.8	10	ABPT: 58.9	61.7	61.7
CJ	CK	61.8	38.36	ABPT: 57.050	61.7	61.7
CK	CL	61.8	10	ABPT: 58.9	61.7	61.7
CL	CM	61.8	38.36	ABPT: 57.050	61.7	61.7
CM	CN	61.8	10	ABPT: 58.9	61.7	61.7
CN	CO	61.8	38.36	ABPT: 57.050	61.7	61.7
CO	CP	61.8	10	ABPT: 58.9	61.7	61.7
CP	CQ	61.8	38.36	ABPT: 57.050	61.7	61.7
CQ	CR	61.8	10	ABPT: 58.9	61.7	61.7
CR	CS	61.8	38.36	ABPT: 57.050	61.7	61.7
CS	CT	61.8	10	ABPT: 58.9	61.7	61.7
CT	CU	61.8	38.36	ABPT: 57.050	61.7	61.7
CU	CV	61.8	10	ABPT: 58.9	61.7	61.7
CV	CW	61.8	38.36	ABPT: 57.050	61.7	61.7
CW	CX	61.8	10	ABPT: 58.9	61.7	61.7
CX	CY	61.8	38.36	ABPT: 57.050	61.7	61.7
CY	CZ	61.8	10	ABPT: 58.9	61.7	61.7
CZ	DA	61.8	38.36	ABPT: 57.050	61.7	61.7
DA	DB	61.8	10	ABPT: 58.9	61.7	61.7
DB	DC	61.8	38.36	ABPT: 57.050	61.7	61.7
DC	DD	61.8	10	ABPT: 58.9	61.7	61.7
DD	DE	61.8	38.36	ABPT: 57.050	61.7	61.7
DE	DF	61.8	10	ABPT: 58.9	61.7	61.7
DF	DG	61.8	38.36	ABPT: 57.050	61.7	61.7
DG	DH	61.8	10	ABPT: 58.9	61.7	61.7
DH	DI	61.8	38.36	ABPT: 57.050	61.7	61.7
DI	DJ	61.8	10	ABPT: 58.9	61.7	61.7
DJ	DK	61.8	38.36	ABPT: 57.050	61.7	61.7
DK	DL	61.8	10	ABPT: 58.9	61.7	61.7
DL	DM	61.8	38.36	ABPT: 57.050	61.7	61.7
DM	DN	61.8	10	ABPT: 58.9	61.7	61.7
DN	DO	61.8	38.36	ABPT: 57.050	61.7	61.7
DO	DP	61.8	10	ABPT: 58.9	61.7	61.7
DP	DQ	61.8	38.36	ABPT: 57.050	61.7	61.7
DQ	DR	61.8	10	ABPT: 58.9	61.7	61.7
DR	DS	61.8	38.36	ABPT: 57.050	61.7	61.7
DS	DT	61.8	10	ABPT: 58.9	61.7	61.7
DT	DU	61.8	38.36	ABPT: 57.050	61.7	61.7
DU	DV	61.8	10	ABPT: 58.9	61.7	61.7
DV	DW	61.8	38.36	ABPT: 57.050	61.7	61.7
DW	DX	61.8	10	ABPT: 58.9	61.7	61.7
DX	DY	61.8	38.36	ABPT: 57.050	61.7	61.7
DY	DZ	61.8	10	ABPT: 58.9	61.7	61.7
DZ	EA	61.8	38.36	ABPT: 57.050	61.7	61.7
EA	EB	61.8	10	ABPT: 58.9	61.7	61.7
EB	EC	61.8	38.36	ABPT: 57.050	61.7	61.7
EC	ED	61.8	10	ABPT: 58.9	61.7	61.7
ED	EE	61.8	38.36	ABPT: 57.050	61.7	61.7
EE	EF	61.8	10	ABPT: 58.9	61.7	61.7
EF	EG	61.8	38.36	ABPT: 57.050	61.7	61.7
EG	EH	61.8	10	ABPT: 58.9	61.7	61.7
EH	EI	61.8	38.36	ABPT: 57.050	61.7	61.7
EI	EJ	61.8	10	ABPT: 58.9	61.7	61.7
EJ	EK	61.8	38.36	ABPT: 57.050	61.7	61.7
EK	EL	61.8	10	ABPT: 58.9	61.7	61.7
EL	EM	61.8	38.36	ABPT: 57.050	61.7	61.7
EM	EN	61.8	10	ABPT: 58.9	61.7	61.7
EN	EO	61.8	38.36	ABPT: 57.050	61.7	61.7
EO	EP	61.8	10	ABPT: 58.9	61.7	61.7
EP	EQ	61.8	38.36	ABPT: 57.050	61.7	61.7
EQ	ER	61.8	10	ABPT: 58.9	61.7	61.7
ER	ES	61.8	38.36	ABPT: 57.050	61.7	61.7
ES	ET	61.8	10	ABPT: 58.9	61.7	61.7
ET	EU	61.8	38.36	ABPT: 57.050	61.7	61.7
EU	EV	61.8	10	ABPT: 58.9	61.7	61.7
EV	EW	61.8	38.36	ABPT: 57.050	61.7	61.7
EW	EX	61.8	10	ABPT: 58.9	61.7	61.7
EX	EY	61.8	38.36	ABPT: 57.050	61.7	61.7
EY	EZ	61.8	10	ABPT: 58.9	61.7	61.7
EZ	FA	61.8	38.36	ABPT: 57.050	61.7	61.7
FA	FB	61.8	10	ABPT: 58.9	61.7	61.7
FB	FC	61.8	38.36	ABPT: 57.050	61.7	61.7
FC	FD	61.8	10	ABPT: 58.9	61.7	61.7
FD	FE	61.8	38.36	ABPT: 57.050	61.7	61.7
FE	FF	61.8	10	ABPT: 58.9	61.7	61.7
FF	FG	61.8	38.36	ABPT: 57.050	61.7	61.7
FG	FH	61.8	10	ABPT: 58.9	61.7	61.7
FH	FI	61.8	38.36	ABPT: 57.050	61.7	61.7
FI	FJ	61.8	10	ABPT: 58.9	61.7	61.7
FJ	FK	61.8	38.36	ABPT: 57.050	61.7	61.7
FK	FL	61.8	10	ABPT: 58.9	61.7	61.7
FL	FM	61.8	38.36	ABPT: 57.050	61.7	61.7
FM	FN	61.8	10	ABPT: 58.9	61.7	61.7
FN	FO	61.				



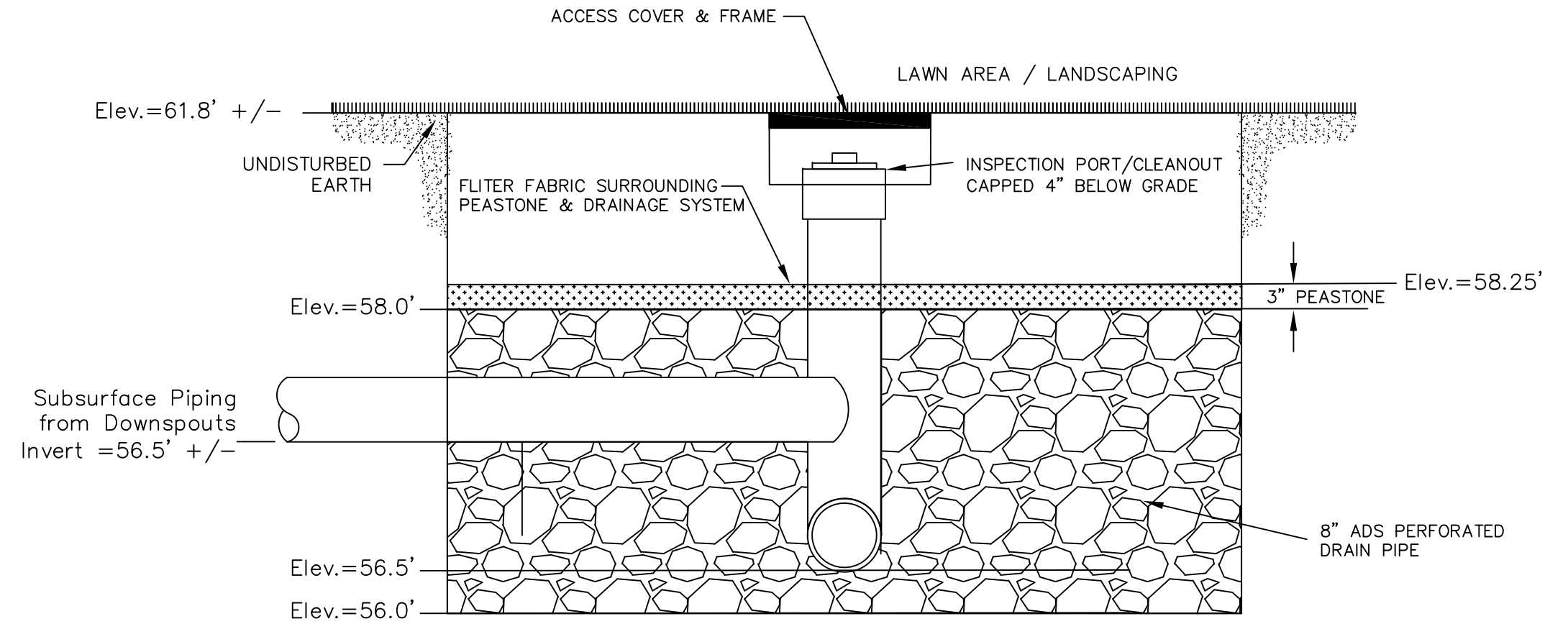
Stormwater Infiltration System #1 Plan View



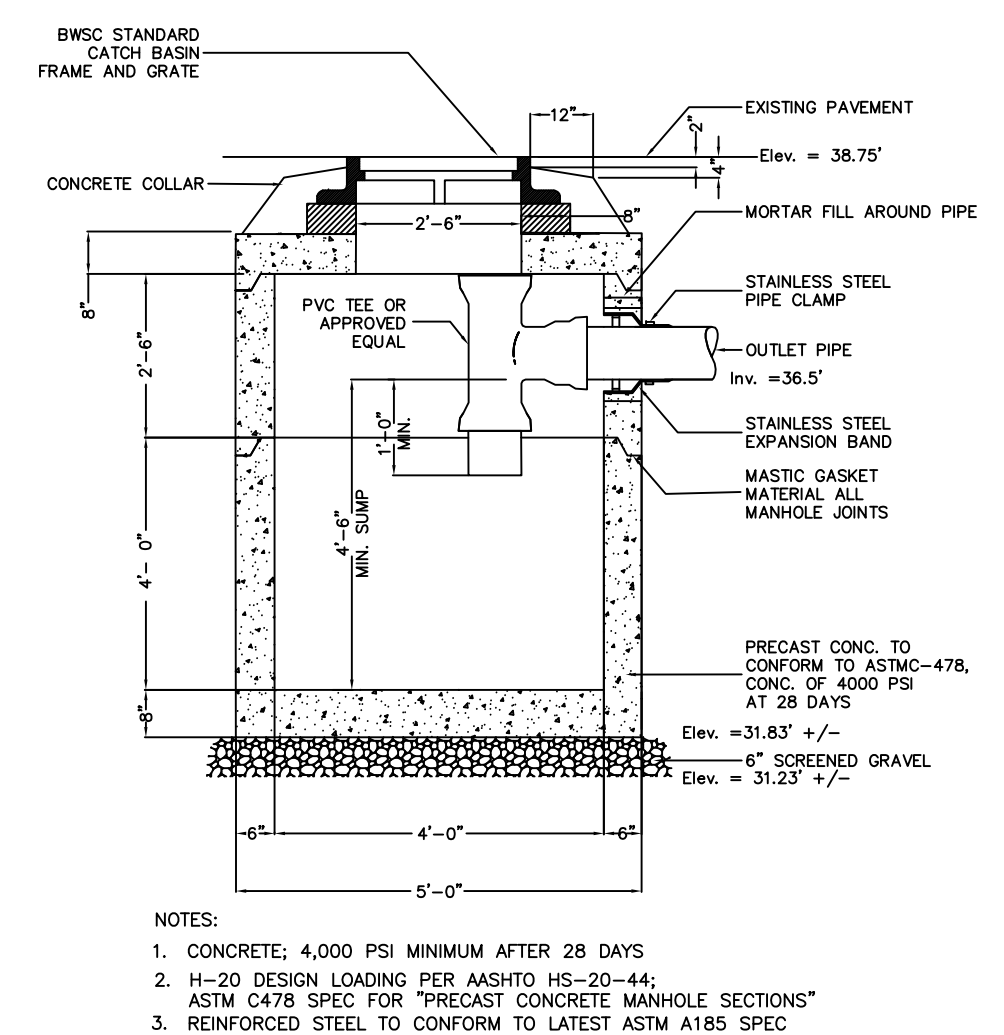
Infiltration System #1 Typical Section



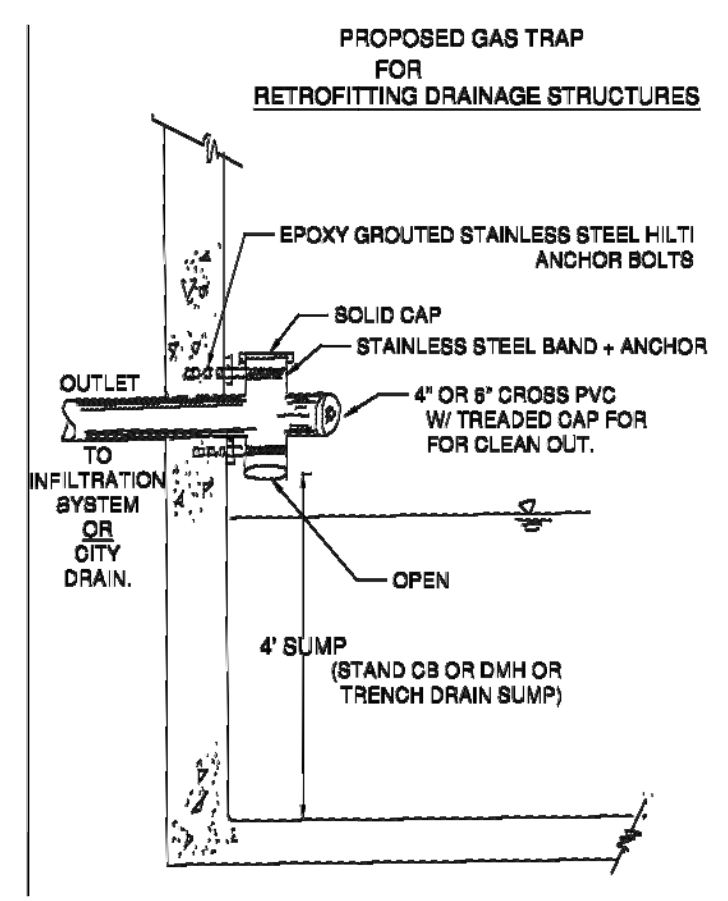
Stormwater Infiltration System #2 Plan View



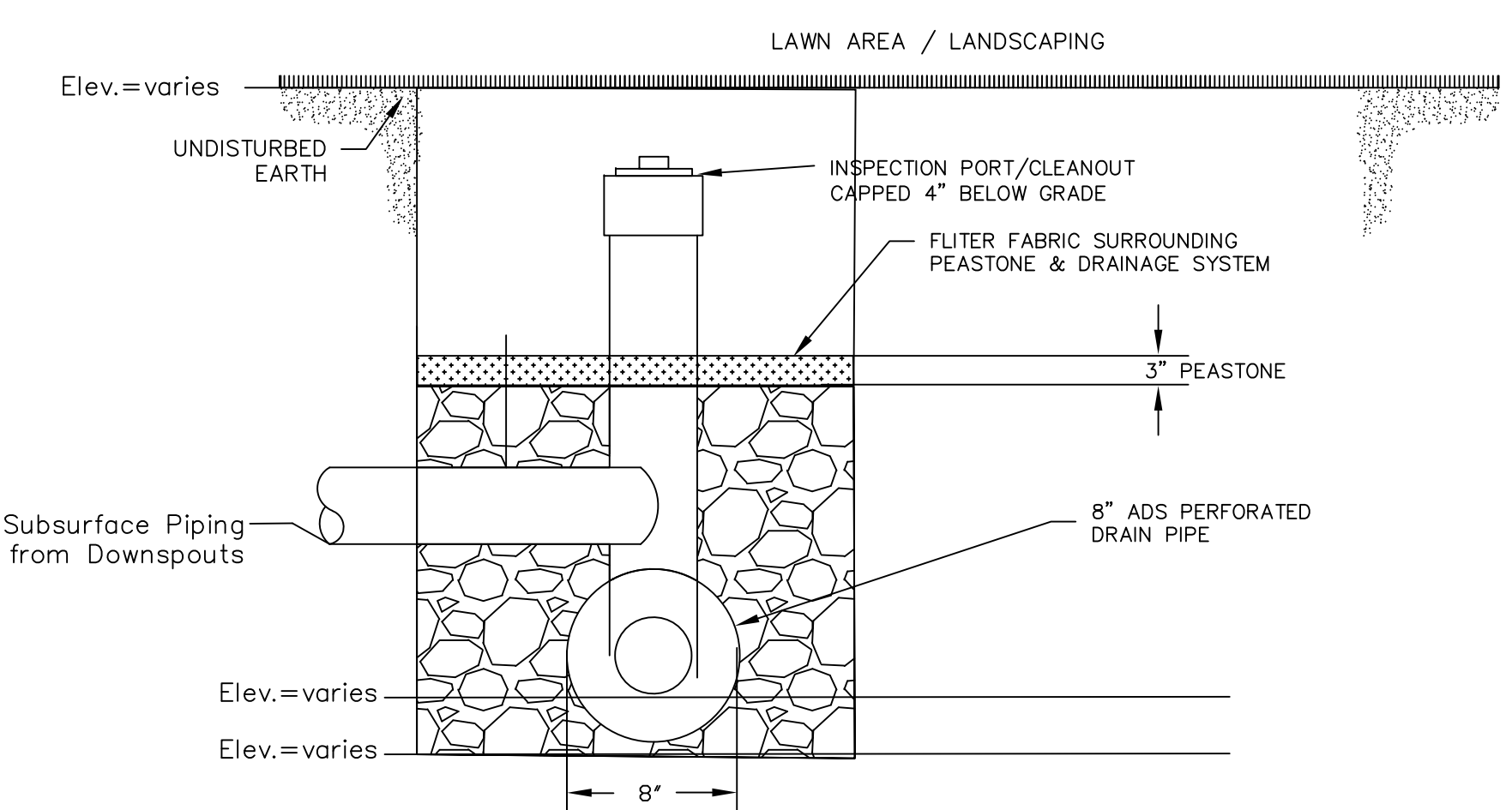
Infiltration System #2 Typical Section



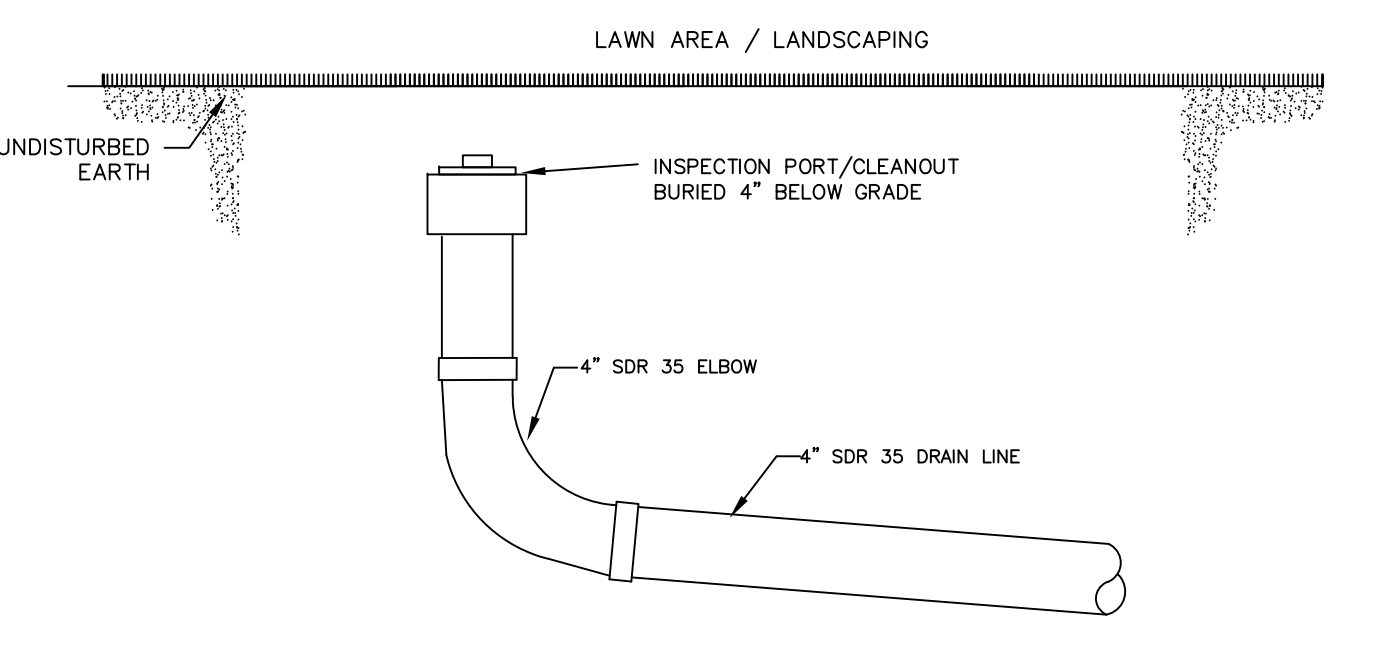
Type 5 Catch Basin w/ Oil Trap



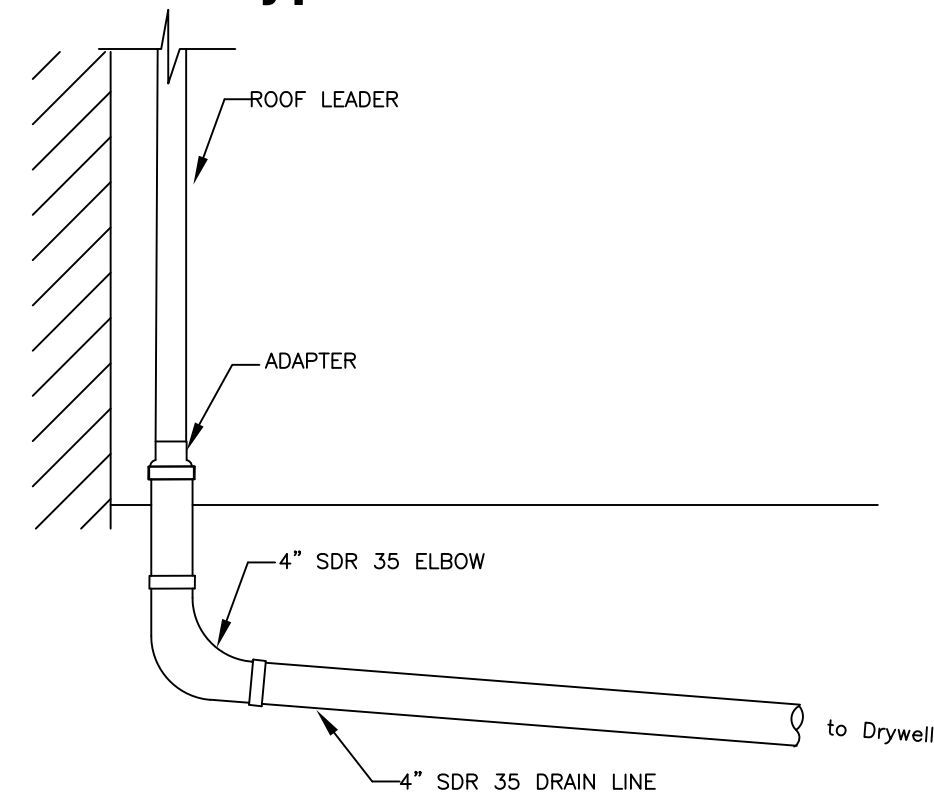
Gas Trap Detail



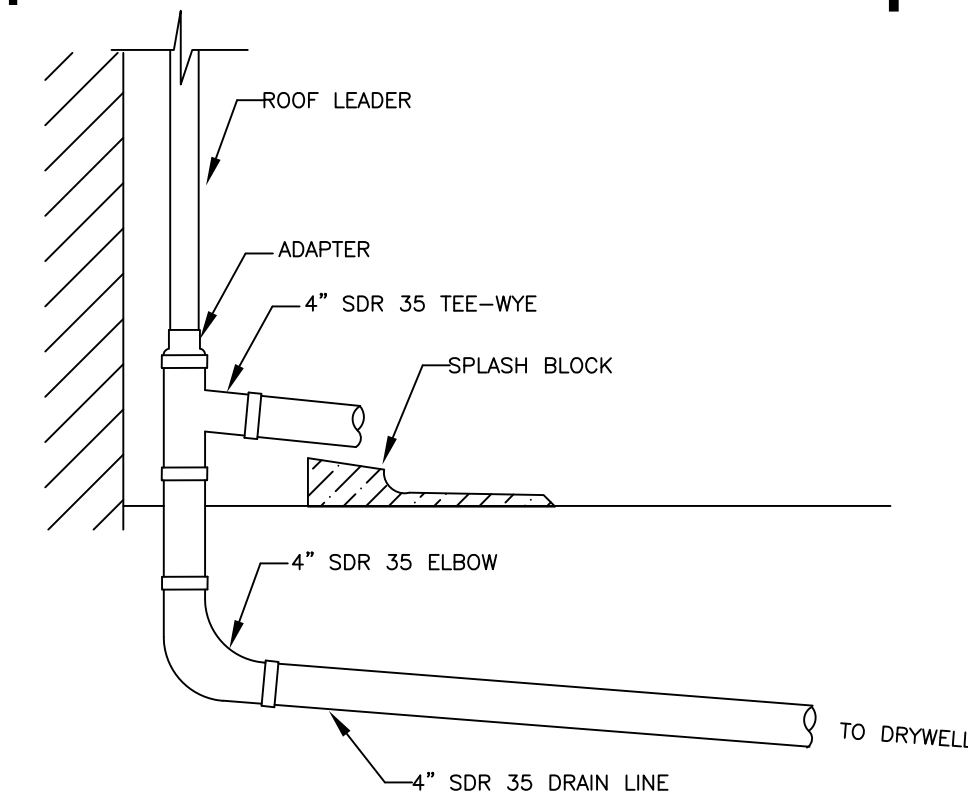
Stormwater Infiltration System Inspection Port



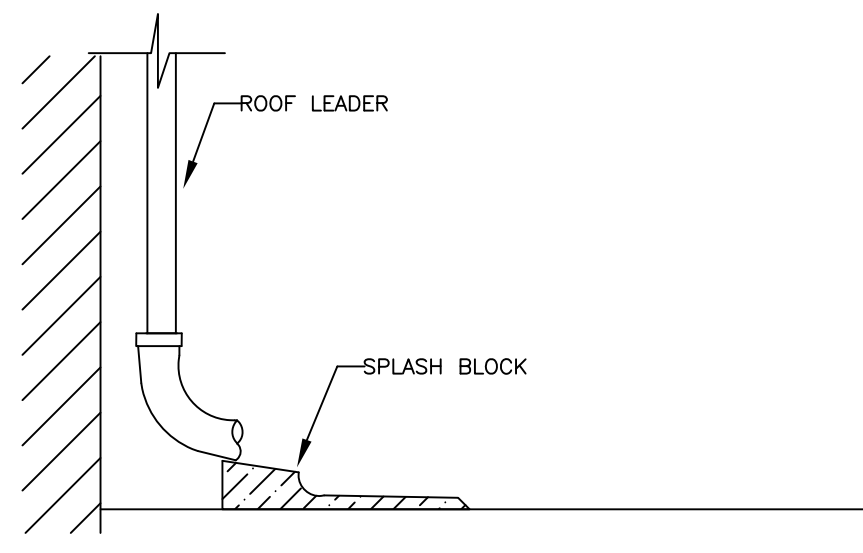
Drainage Piping End of Line Cleanout



Downspout Connection



Downspout & Overflow



Downspout & Splash Block

Soil Log Address: 23 Johnson Place, Newton, MA
Date: 5/19/2020 **Weather:** Clear, 70° **Witnessed By:** Laurence Hayes - BE 2987
Soil Classification per MCR: 828B - Maritime-Urban Land Complex, 0 to 8 percent slopes
Test Pit # 1

Depth (ft)	Soil Color-Moist	Soil Moisture	Reconsolidation Features	Soil Texture	Clay Fragments % by Weight	Soil Structure	Soil Consistence
0-3	AB	10 YR 2/2		Sand	0%	DN	granular
3-40	Bur	10 YR 4/6		Sand	0%	DN	granular
40-50	CC	10 YR 5/1		Sand	35%	DN	granular

Notes: No reconstitutive features observed in test pit.
 No seeping or standing groundwater was observed in test pit.

Depth (ft)	Permeability (cm/hr)	Time (min)
12	11:13	
11	11:30	
10	11:38	
9	11:38	
8	11:38	
7	11:40	
6	11:43	

Average Permeation Rate = 2.80 mph
 Use a Conservative Rate of 2.0 in/hr per MCR soil classification.

Soil Log Address: 23 Johnson Place, Newton, MA
Date: 5/19/2020 **Weather:** Clear, 70° **Witnessed By:** Laurence Hayes - BE 2987
Soil Classification per MCR: 828B - Maritime-Urban Land Complex, 0 to 8 percent slopes
Test Pit # 2

Depth (ft)	Soil Color-Moist	Soil Moisture	Reconsolidation Features	Soil Texture	Clay Fragments % by Weight	Soil Structure	Soil Consistence
0-3	AB	10 YR 2/2		Sand	0%	DN	granular
3-8	Bur	10 YR 4/6		Sand	0%	DN	granular
8-30	CC	10 YR 5/1		Sand	35%	DN	granular

Notes: No reconstitutive features observed in test pit.
 No seeping or standing groundwater was observed in test pit.

Test Pit #2 was performed at Elevation 67', which is 12" higher than the Proposed Final Grade. Once the site is excavated, another Test Pit must be performed to confirm soil conditions at the actual depth of the proposed infiltration system at this location.

HAYES & ASSOCIATES
 Civil Engineers
 40 Harrison Avenue, Woburn MA 01801
 (781) 998-0246

LAURENCE HAYES
 CIVIL ENGINEER
 No. 00175

7-20-20

REVISIONS

1	ISSUED FOR REVIEW	
2	REVISED PER ENGINEER'S COMMENTS	
3		
4		
5		
6		
7		
8		
9		
10		

SCALE: NTS

PROPOSED CONSTRUCTION
 23 JOHNSON PLACE
 NEWTON, MA 02466
 JULY 15, 2020

HA 19-536
 SITEPLAN#

SHEETS
4 OF 4