

TOWN OF AMHERST, MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS

# PELHAM VILLAGE CENTER WATER AND SEWER IMPROVEMENTS

SOUTH VALLEY ROAD, JONES ROAD, CADWELL STREET  
PELHAM, MASSACHUSETTS

JAN. 2026

TOWN MANAGER  
PAUL BOCKELMAN

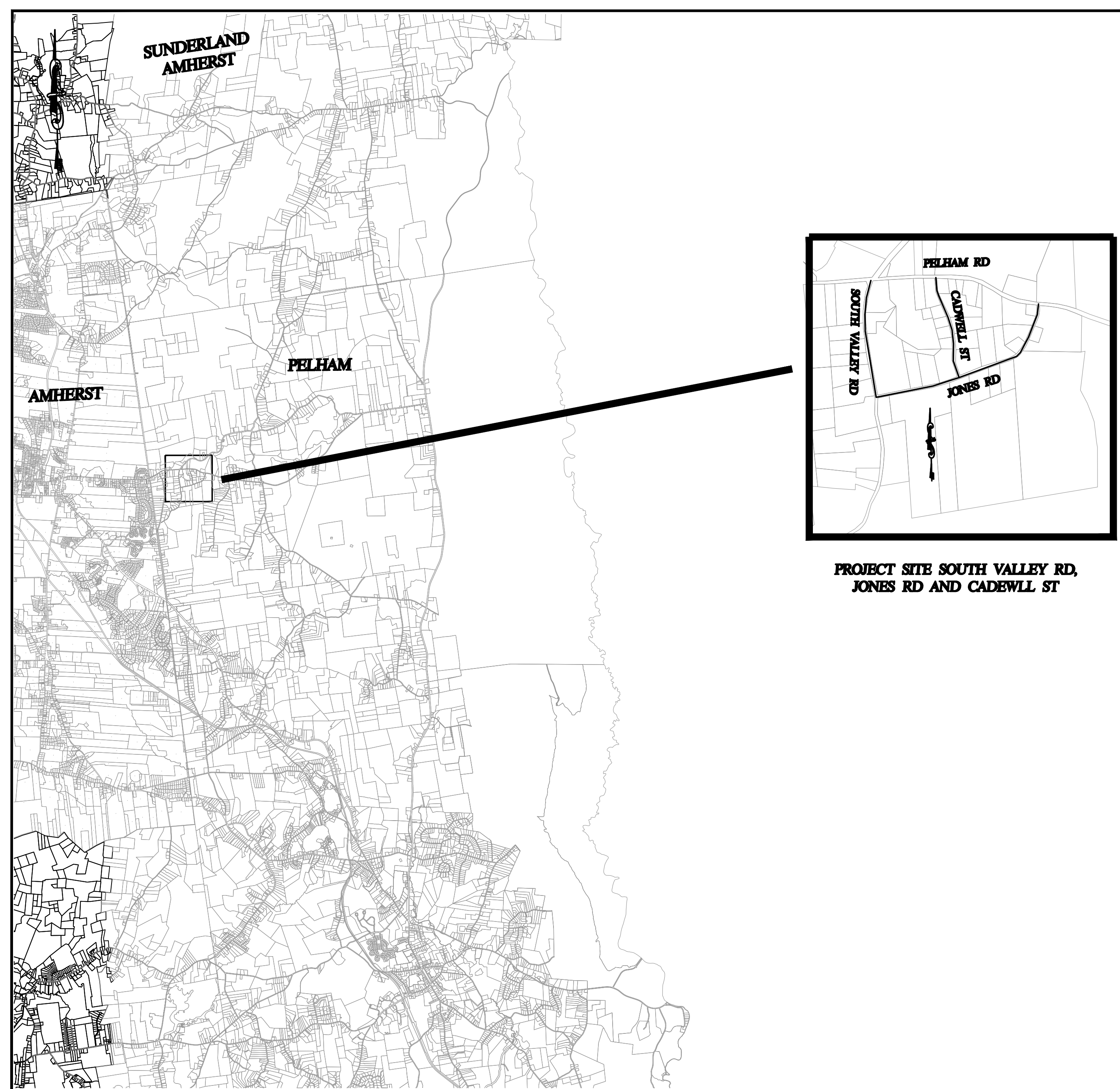
SUPERINTENDENT OF PUBLIC WORKS  
GUILFORD B. MOORING, PE

ASSISTANT SUPERINTENDENT OF OPERATIONS  
PUBLIC WORKS  
AMY LANE RUSIECKI, PE

TOWN ENGINEER  
JASON O. SKEELS, PE

AMHERST TOWN COUNCIL

MANDI JO HANNEKE  
ANDY CHURCHILL  
ELLISHA M. WALKER  
JILL BREVIK  
CATHY A. SCHOEN  
AMBER CANO-MARTIN  
LYNN GRIESEMER  
HEATHER HALA LORD  
GEORGE E. RYAN  
JENNIFER LYNN TAUB  
PAMELA S. ROONEY  
SAM MACLEOD  
ANA DEVLIN GAUTHIER



PROJECT SITE SOUTH VALLEY RD,  
JONES RD AND CADEWLL ST

LOCATION PLAN

SCALE: NTS

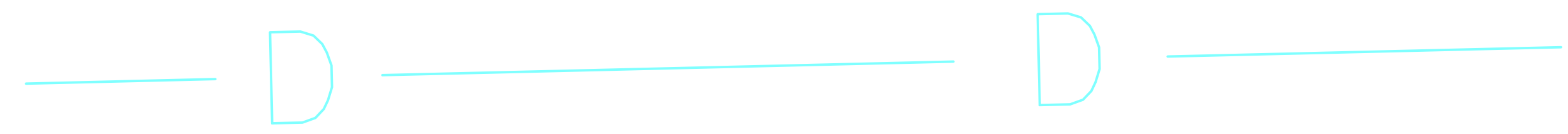
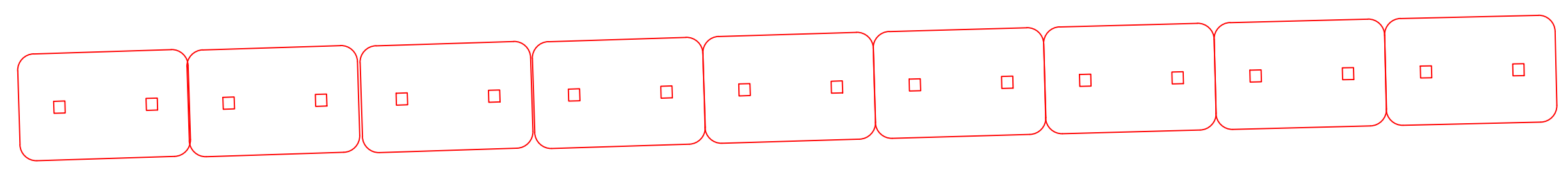
SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	CONSTRUCTION NOTES
3	EXISTING CONDITIONS
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5	EXISTING CONDITIONS
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18	CONSTRUCTION DETAILS
19	CONSTRUCTION DETAILS
20	CONSTRUCTION DETAILS



12" D.I. CL52

WATER MAIN



CB 

E

PR

SE

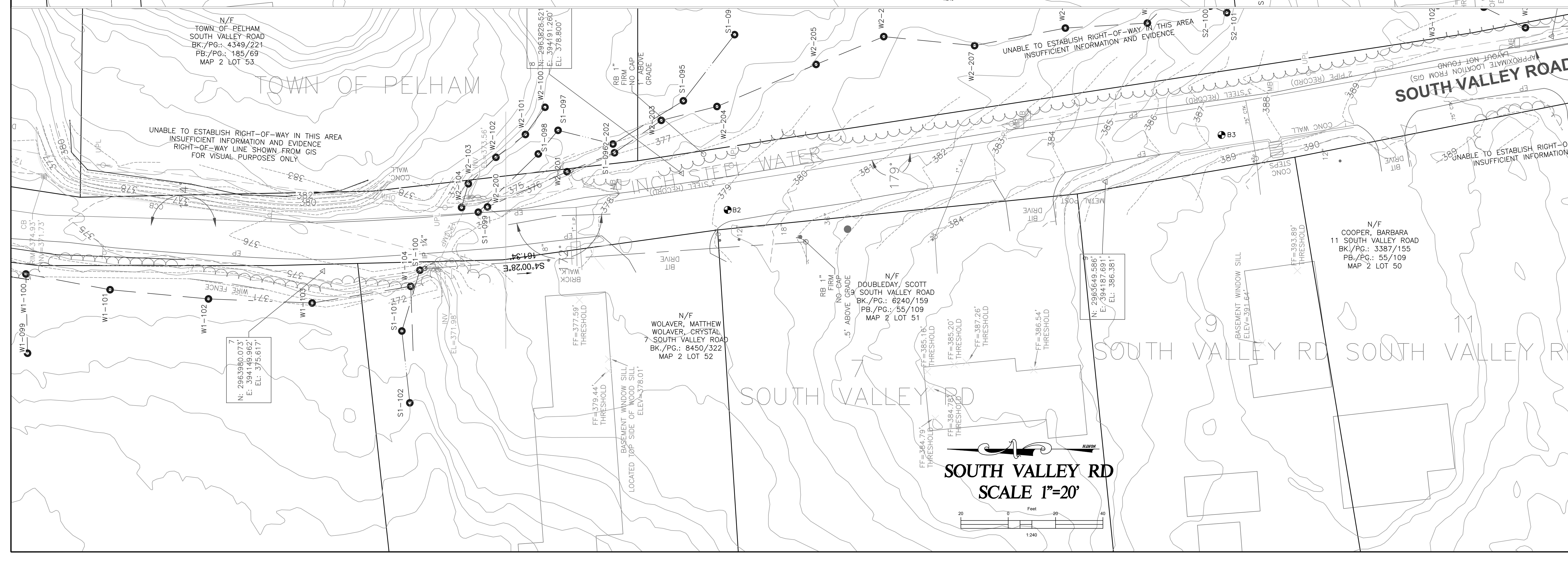
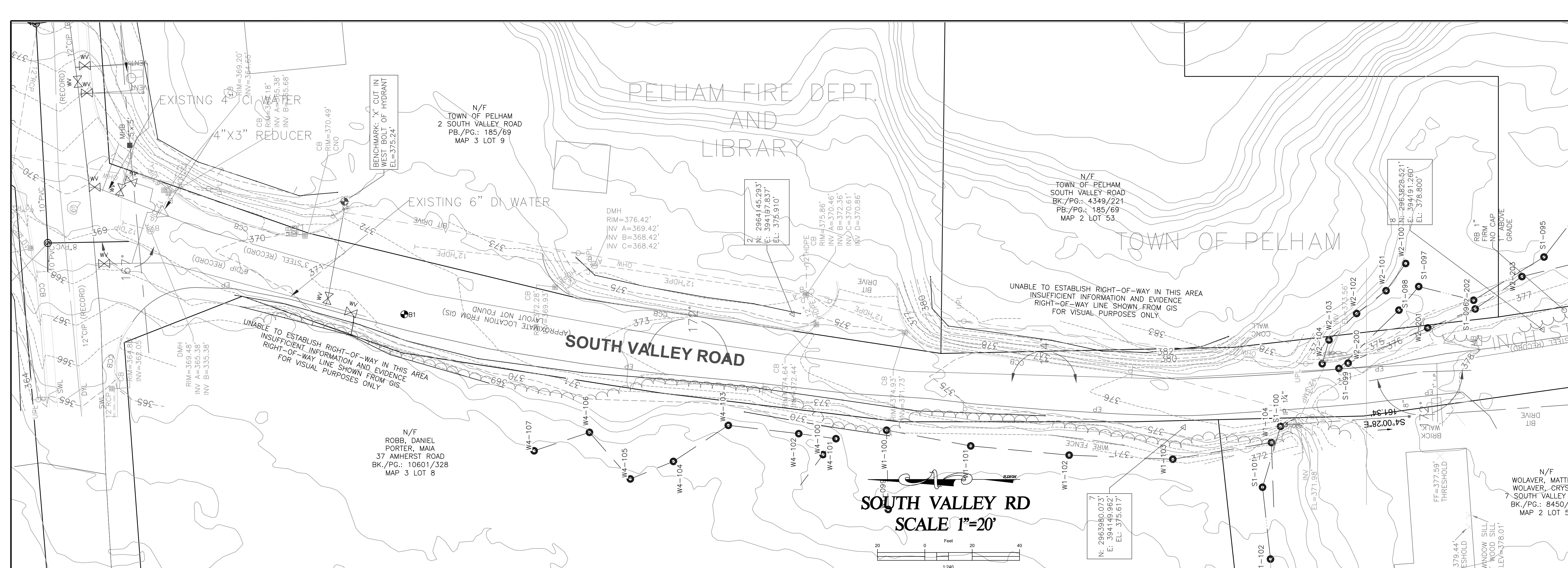
PR

PR

ST

PR

PR



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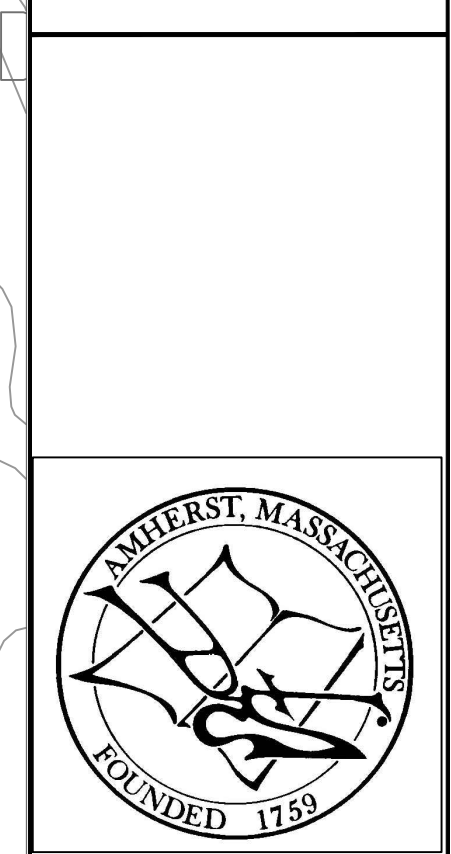
**TOWN OF PELHAM VILLAGE CENTER  
WATER AND SEWER IMPROVEMENTS**

AMHERST, MASSACHUSETTS 01002

**SOUTH VALLEY RD EXISTING CONDITIONS**

DATE: DECEMBER 31, 2025 AS NOTED DRAWN:  
JOB NO.: TP19-33 SHEET: 3 OF 20

**TOWN OF AMHERST  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
586 SOUTH PLEASANT STREET  
AMHERST, MA 01002  
413-259-3050**









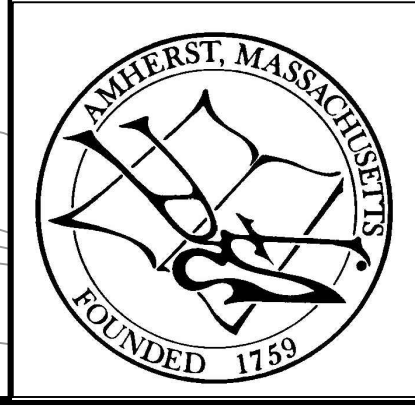
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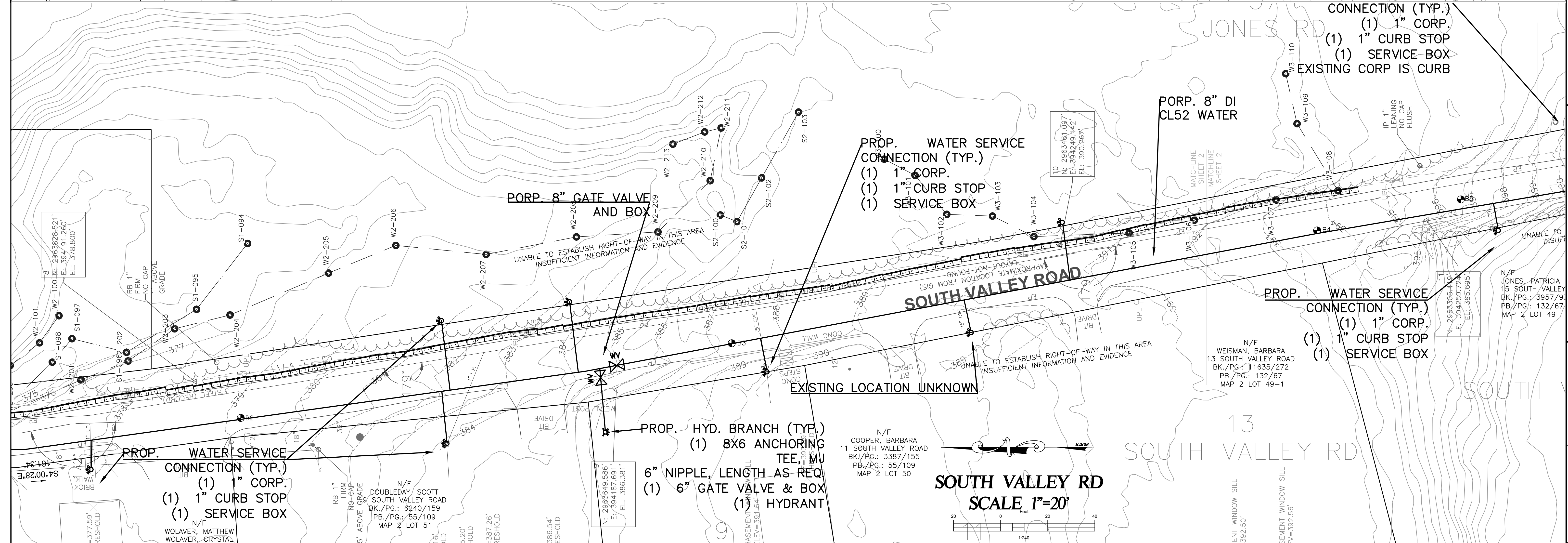
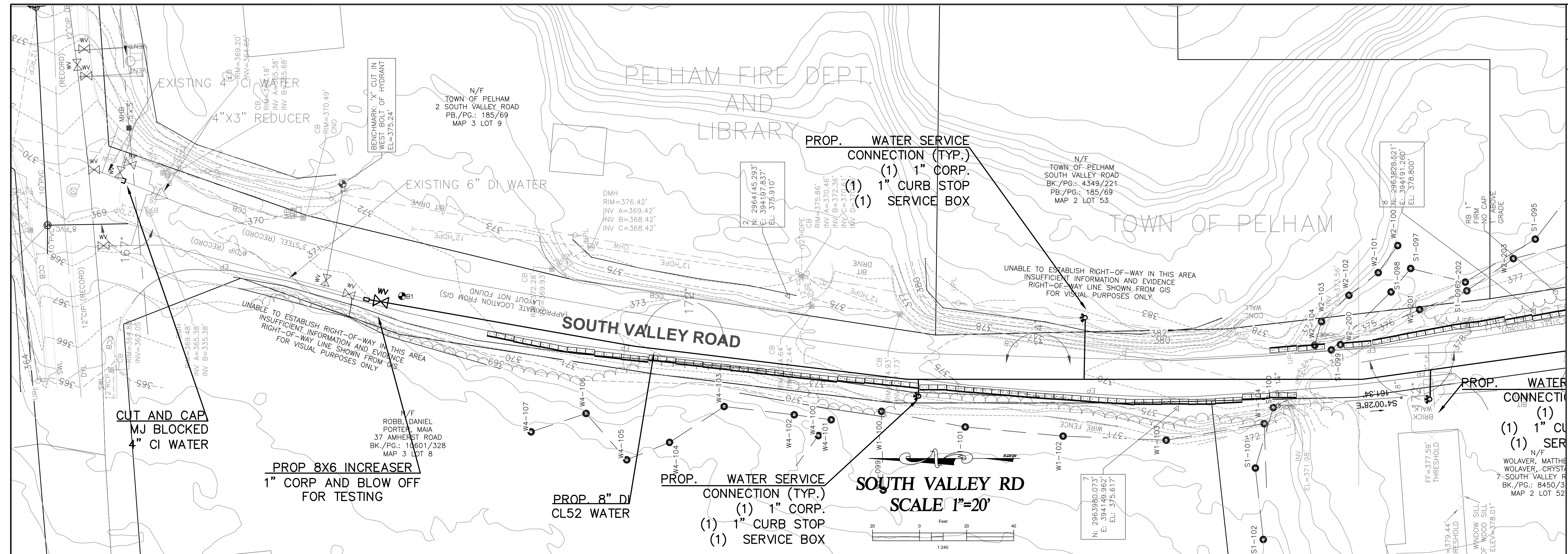
TOWN OF PELHAM VILLAGE CENTER WATER AND SEWER IMPROVEMENTS	AMHERST, MASSACHUSETTS 01002 JONES RD EXISTING CONDITIONS
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TOWN OF AMHERST DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 586 SOUTH PLEASANT STREET AMHERST, MA. 01002 413-259-3050	AS NOTED DRAWN: SHEET: 6 OF 20
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REV.	DESCRIPTION	BY	DATE

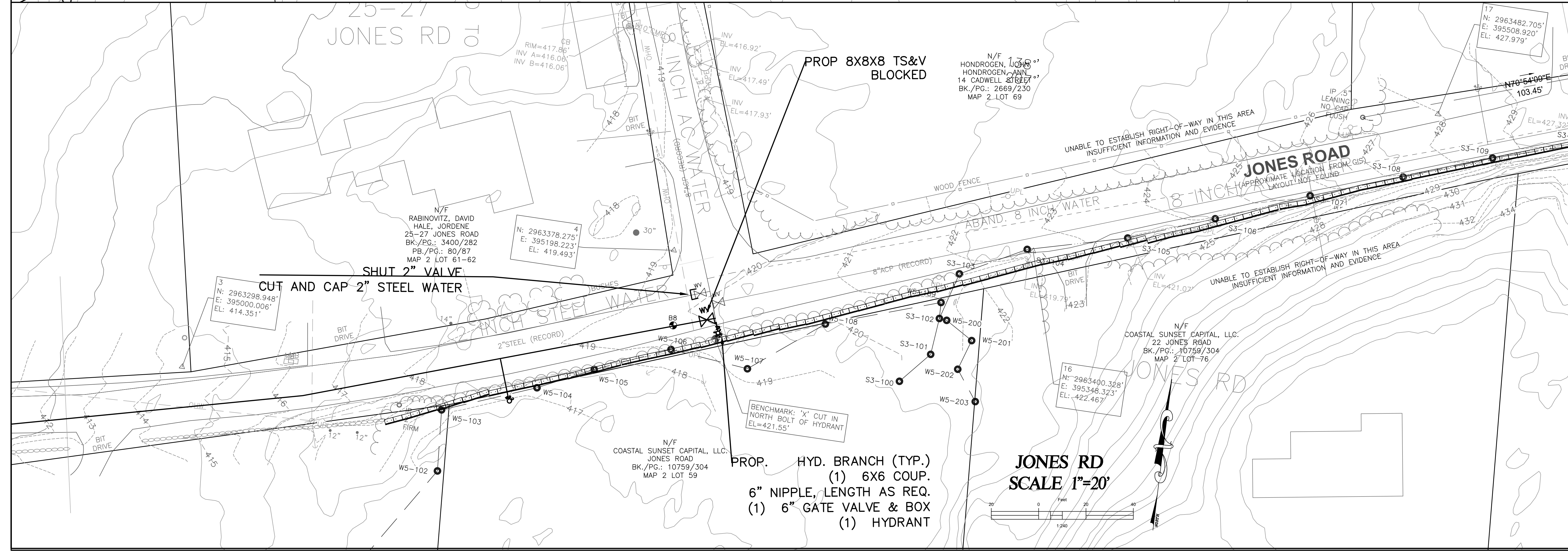
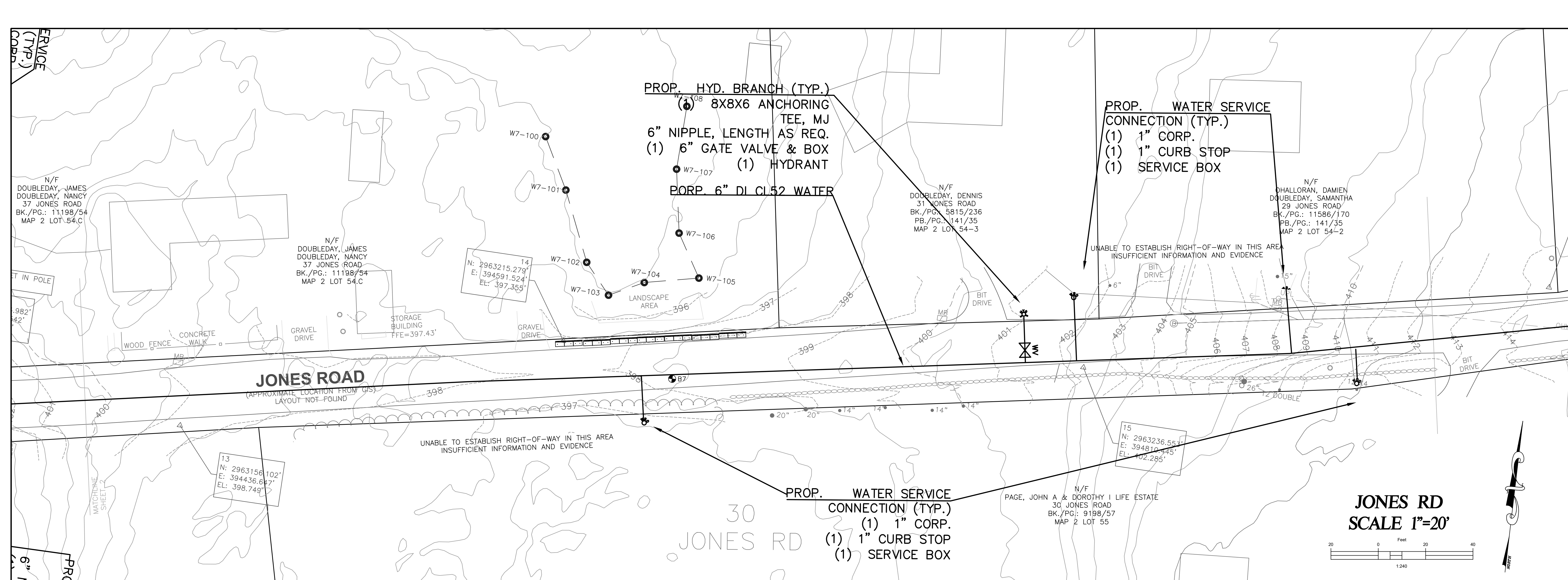
  

<p><b>TOWN OF PELHAM VILLAGE CENTER WATER AND SEWER IMPROVEMENTS</b></p> <p>AMHERST, MASSACHUSETTS 01002</p>	<p>DATE: _____</p> <p>JOB NO.: _____</p> <p>AS NOTED DRAWN: _____</p> <p>SHEET: 8 OF 20</p>
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<p><b>TOWN OF AMHERST DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 586 SOUTH PLEASANT STREET AMHERST, MA 01002 413-259-3050</b></p>	
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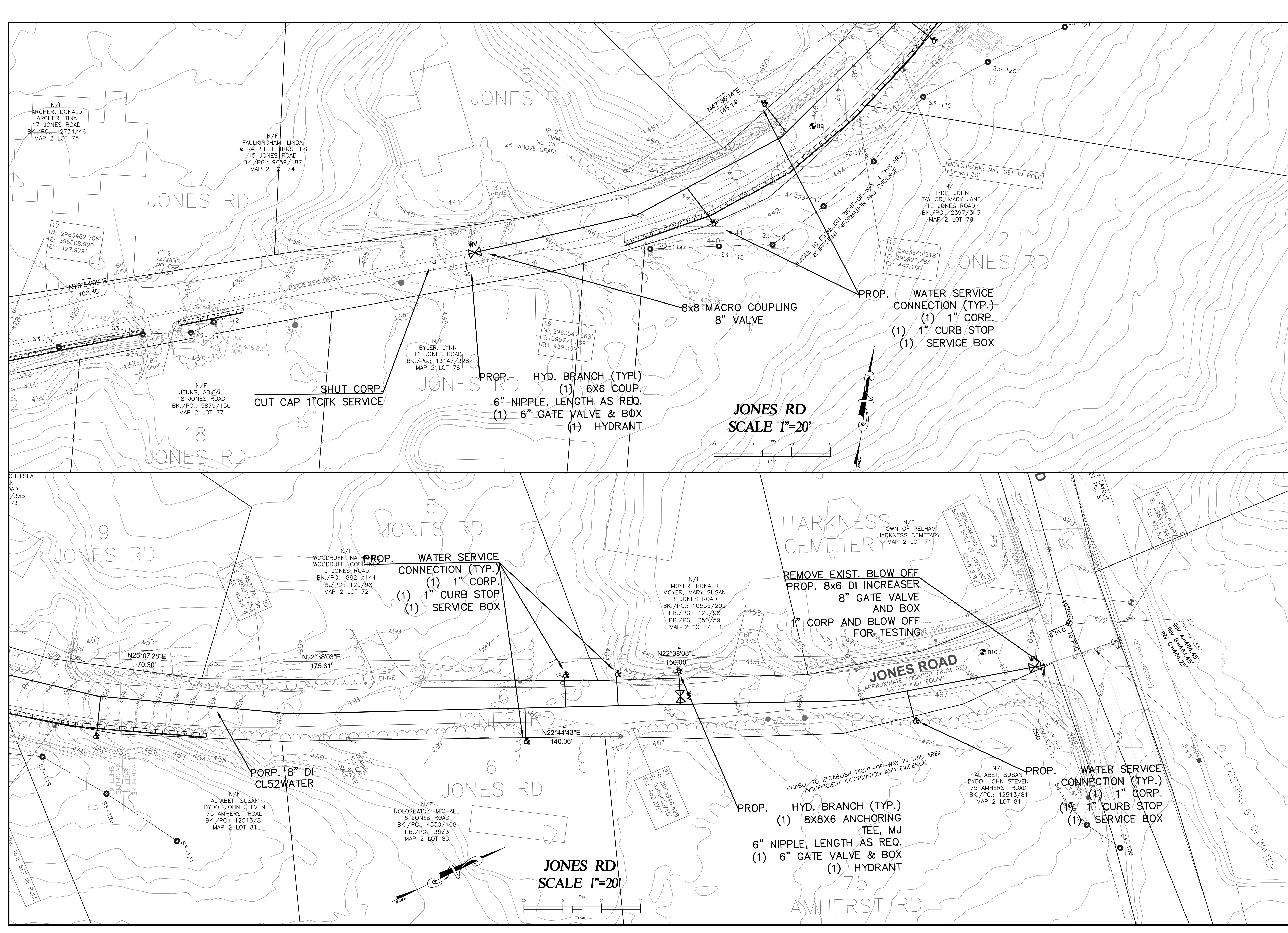
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 JOB NO.: \_\_\_\_\_ SHEET: 10 OF 20

**TOWN OF PELHAM VILLAGE CENTER**  
**WATER AND SEWER IMPROVEMENTS**

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**TOWN OF AMHERST**  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING DIVISION  
 586 SOUTH PLEASANT STREET  
 AMHERST, MA. 01002  
 413-259-3050

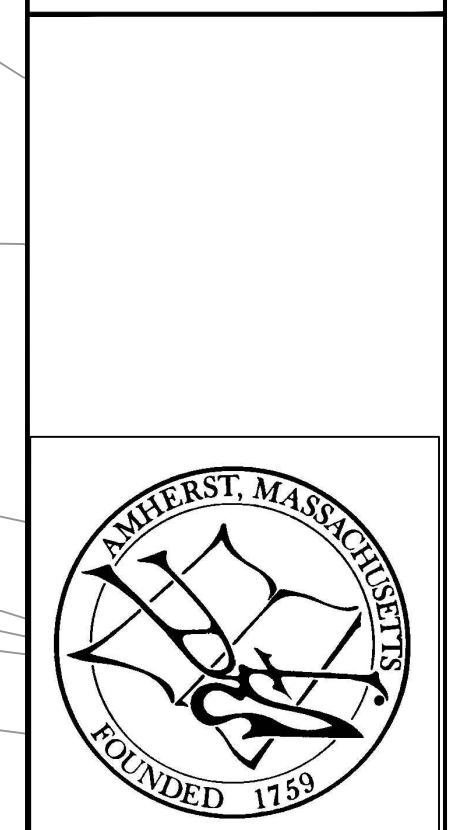




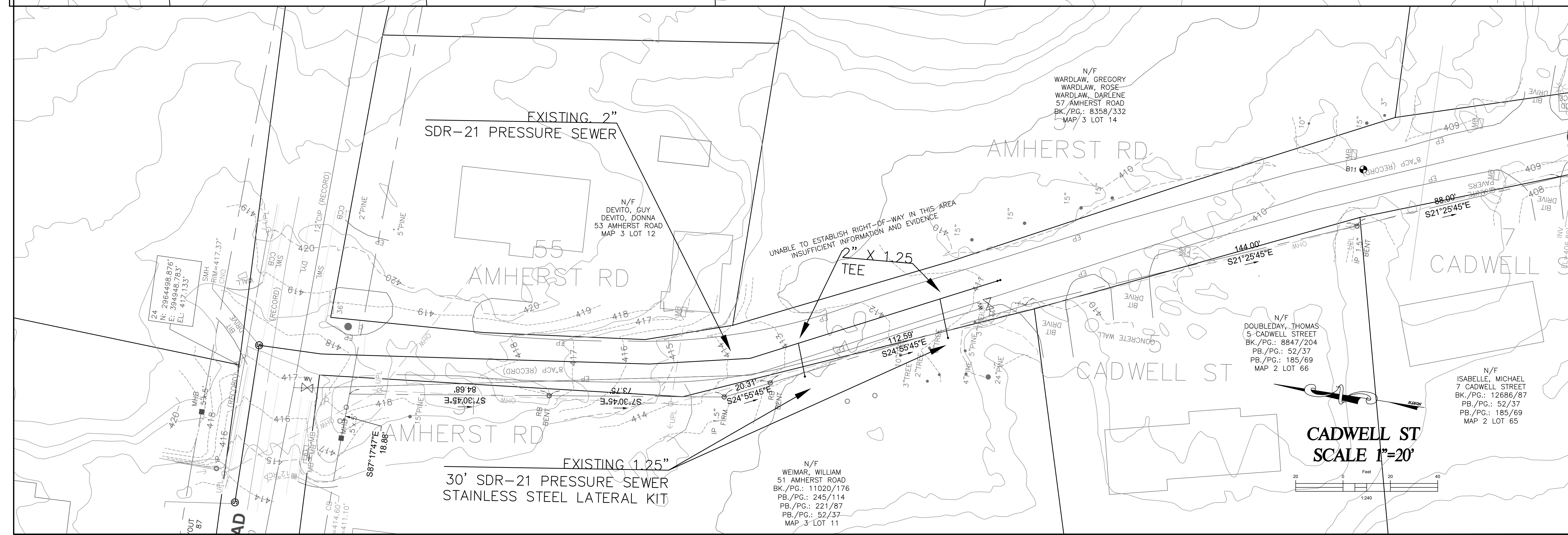
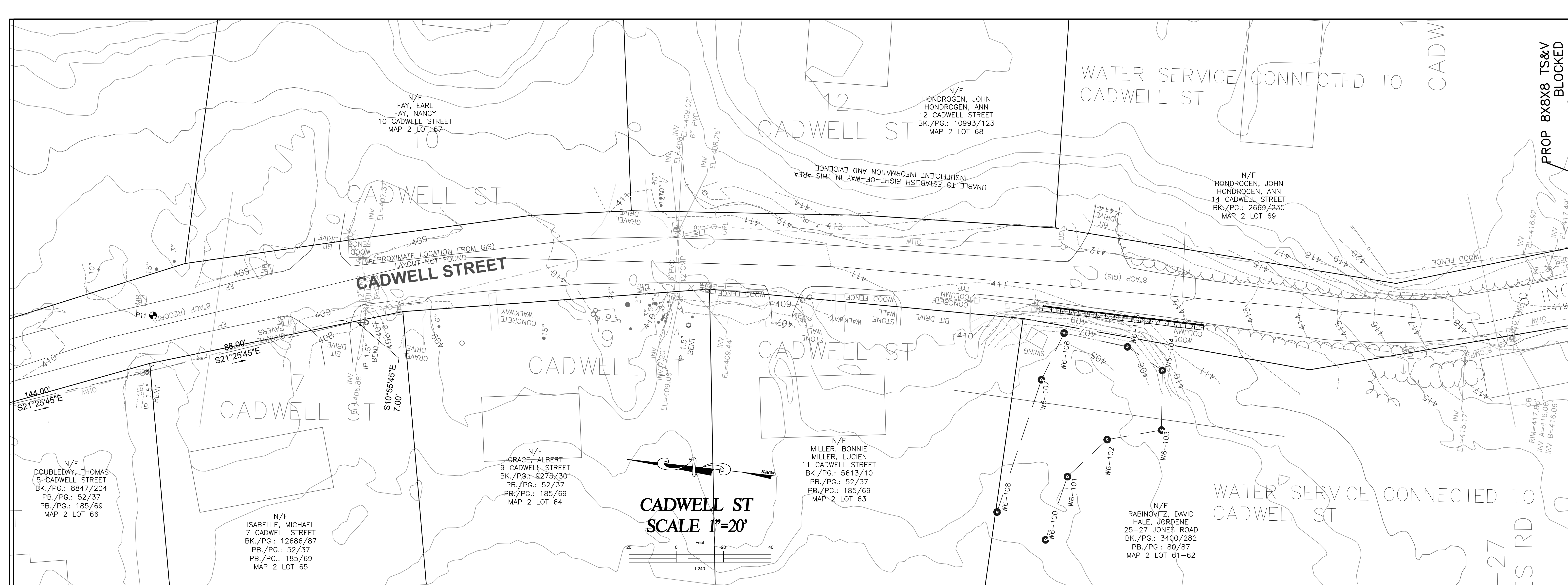
REV.	DESCRIPTION	BY	DATE

**TOWN OF PELHAM VILLAGE CENTER**  
**WATER AND SEWER IMPROVEMENTS**  
 AMHERST, MASSACHUSETTS 01002  
**JONES RD CONSTRUCTION PLANS**

**TOWN OF AMHERST**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING DIVISION**  
 586 SOUTH PLEASANT STREET  
 AMHERST, MA 01002  
 413-259-3050



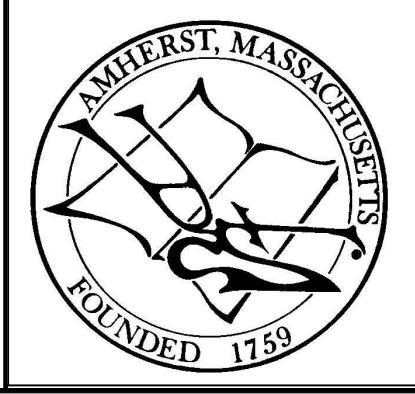
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 JOB NO.: \_\_\_\_\_  
 SHEET: 11 OF 20



REV.	DESCRIPTION	BY	DATE

**TOWN OF PELHAM VILLAGE CENTER  
 WATER AND SEWER IMPROVEMENTS**

**TOWN OF AMHERST  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING DIVISION  
 586 SOUTH PLEASANT STREET  
 AMHERST, MA. 01002  
 413-259-3050**



AMHERST, MASSACHUSETTS 01002  
 CADWELL ST CONSTRUCTION PLANS  
 AS NOTED DRAWN: 12 OF 20  
 SHEET: 12 OF 20

PROP 8X8X8 TS&V  
 BLOCKED

CADWELL ST  
 SCALE 1"=20'

CADWELL ST  
 SCALE 1"=20'

UNABLE TO ESTABLISH RIGHT-OF-WAY IN THIS AREA  
 INSUFFICIENT INFORMATION AND EVIDENCE

N/F  
 WEIMAR, WILLIAM  
 51 AMHERST ROAD  
 BK./PG.: 11020/176  
 PB./PG.: 245/114  
 PB./PG.: 221/87  
 PB./PG.: 52/37  
 MAP 3 LOT 11

N/F  
 WARDLAW, GREGORY  
 WARDLAW, ROSE  
 WARDLAW, DARLENE  
 57 AMHERST ROAD  
 BK./PG.: 8358/332  
 MAP 3 LOT 14

N/F  
 DOUBLEDAY, THOMAS  
 5 CADWELL STREET  
 BK./PG.: 8847/204  
 PB./PG.: 52/37  
 PB./PG.: 185/69  
 MAP 2 LOT 66

N/F  
 ISABELLE, MICHAEL  
 7 CADWELL STREET  
 BK./PG.: 12686/87  
 PB./PG.: 52/37  
 PB./PG.: 185/69  
 MAP 2 LOT 65

N/F  
 GRACE, ALBERT  
 9 CADWELL STREET  
 BK./PG.: 9275/301  
 PB./PG.: 52/37  
 PB./PG.: 185/69  
 MAP 2 LOT 64

N/F  
 MILLER, BONNIE  
 MILLER, LUCIEN  
 11 CADWELL STREET  
 BK./PG.: 5613/10  
 PB./PG.: 52/37  
 PB./PG.: 185/69  
 MAP 2 LOT 63

N/F  
 DOUBLEDAY, THOMAS  
 5 CADWELL STREET  
 BK./PG.: 8847/204  
 PB./PG.: 52/37  
 PB./PG.: 185/69  
 MAP 2 LOT 66

N/F  
 ISABELLE, MICHAEL  
 7 CADWELL STREET  
 BK./PG.: 12686/87  
 PB./PG.: 52/37  
 PB./PG.: 185/69  
 MAP 2 LOT 65

N/F  
 FAY, EARL  
 FAY, NANCY  
 10 CADWELL STREET  
 MAP 2 LOT 67

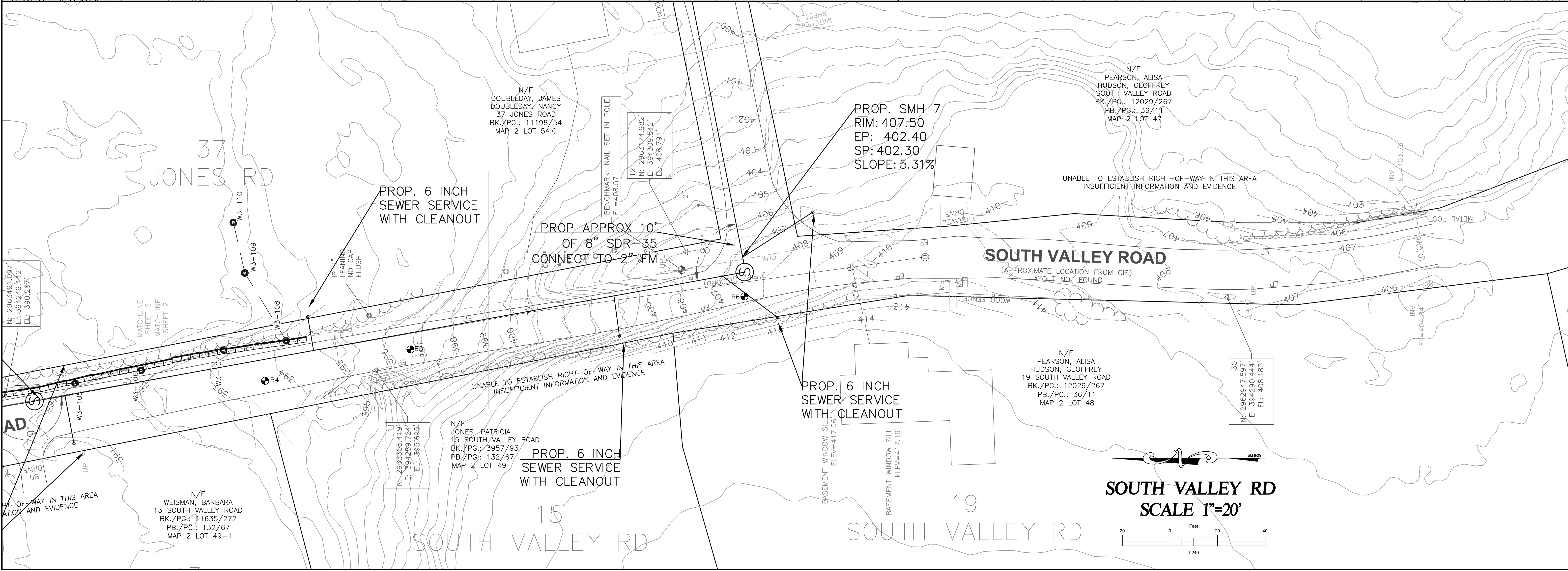
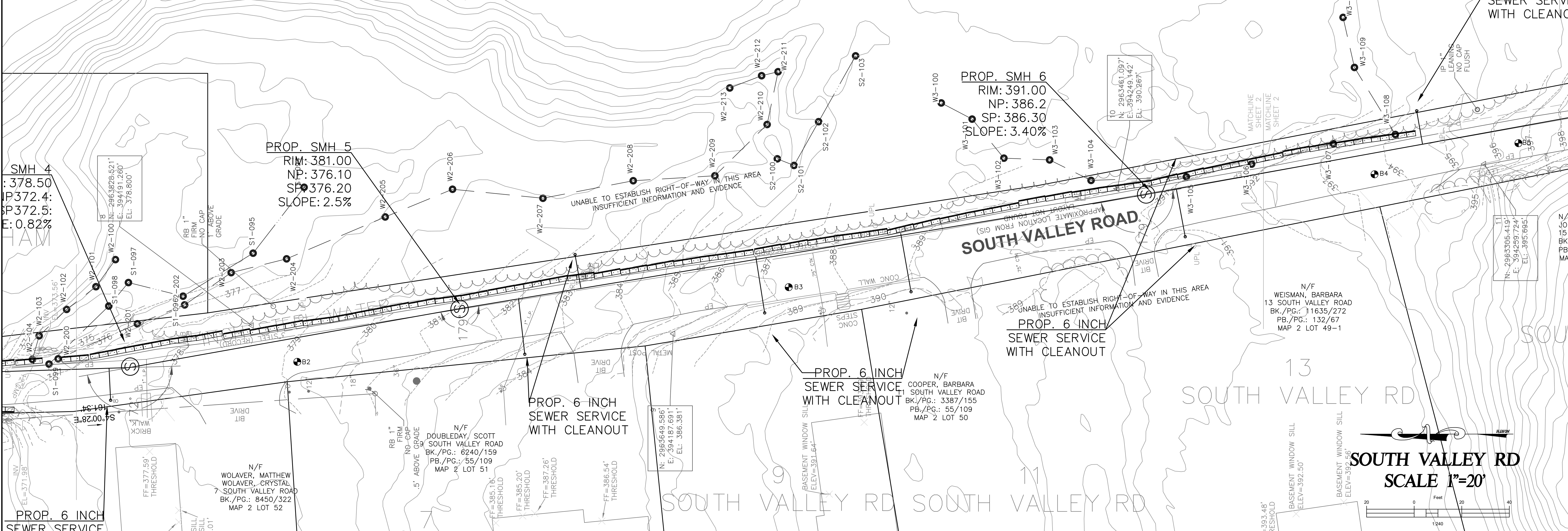
N/F  
 HONDROGEN, JOHN  
 HONDROGEN, ANN  
 12 CADWELL STREET  
 BK./PG.: 10993/123  
 MAP 2 LOT 68

N/F  
 HONDROGEN, JOHN  
 HONDROGEN, ANN  
 14 CADWELL STREET  
 BK./PG.: 2669/230  
 MAP 2 LOT 69

N/F  
 DEVITO, GUY  
 DEVITO, DONNA  
 53 AMHERST ROAD  
 MAP 3 LOT 12

24  
 N: 2964488.876'  
 E: 394948.783'  
 EL: 417.133'



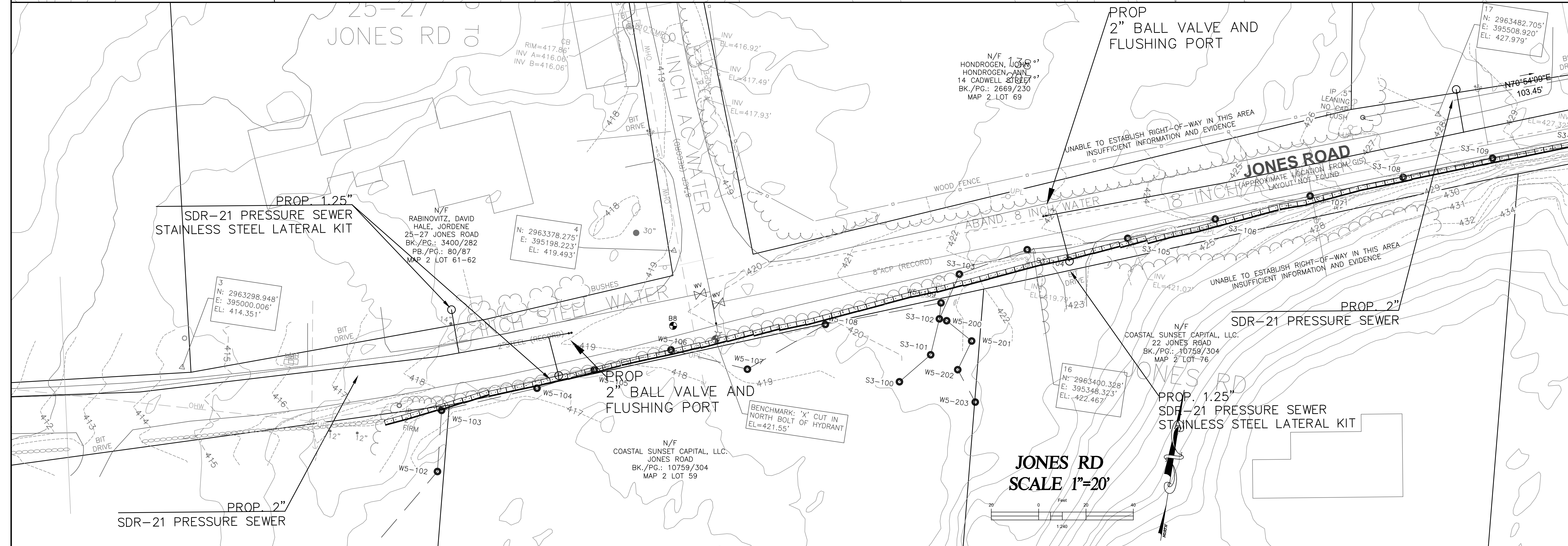
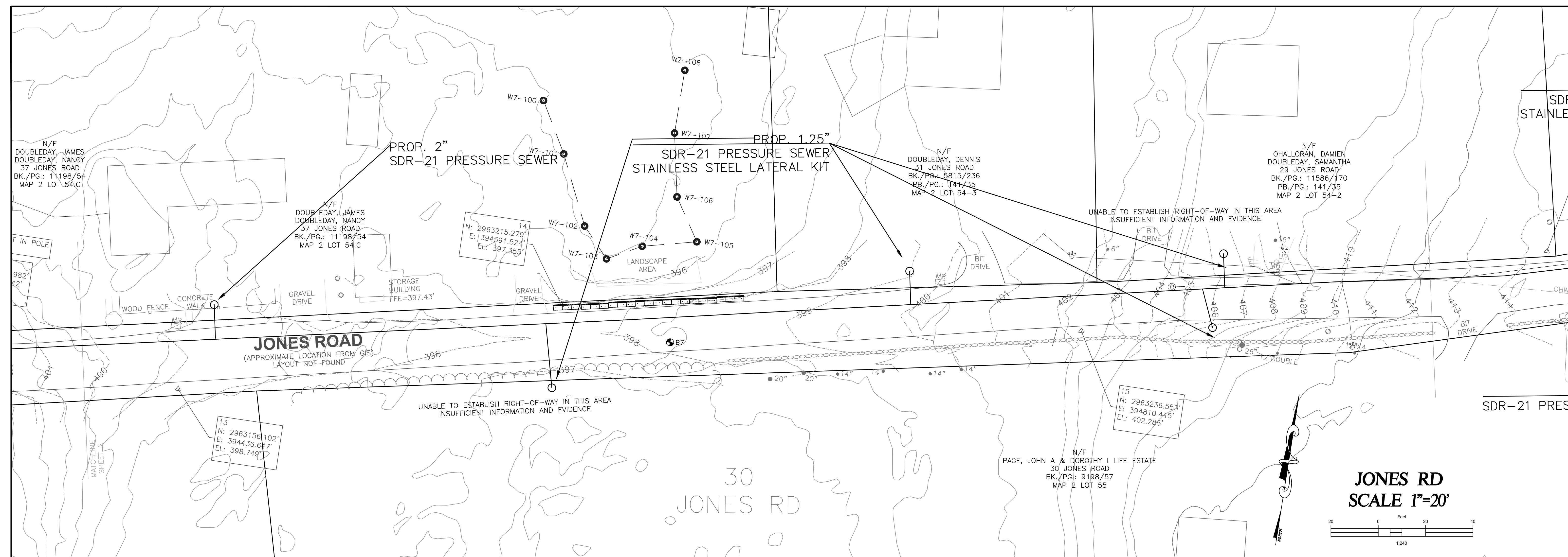


REV.	DATE	DESCRIPTION	BY

**TOWN OF PELHAM VILLAGE CENTER**  
**WATER AND SEWER IMPROVEMENTS**

**TOWN OF AMHERST**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING DIVISION**  
**386 SOUTH PLEASANT STREET**  
**AMHERST, MA 01002**  
**413-259-3050**

AMHERST, MASSACHUSETTS 01002  
SOUTH VALLEY RD CONSTRUCTION PLANS  
JOB NO.:  
DATE:  
AS NOTED DRAWN:  
SHEET: 14 OF 20



REV	DESCRIPTION	BY	DATE

AS NOTED DRAWN: SHEET: 15 OF 20

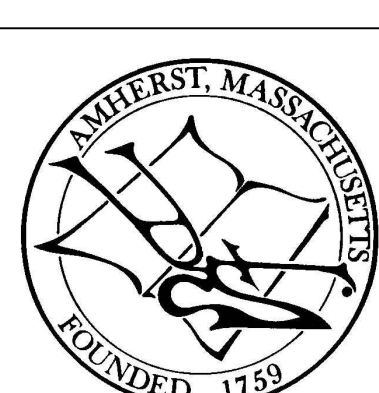
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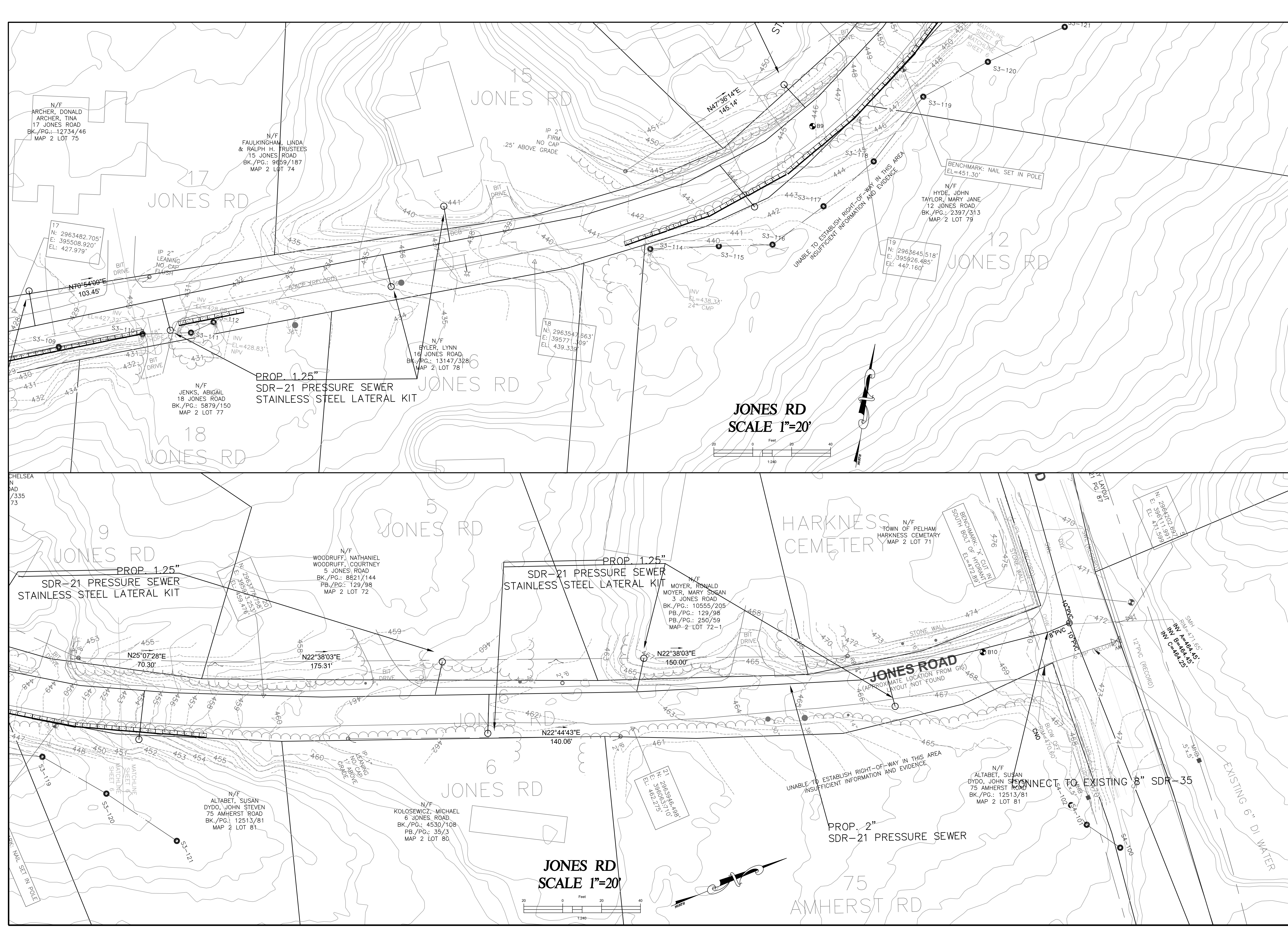
AMHERST, MASSACHUSETTS 01002

JONES RD CONSTRUCTION PLANS

TOWN OF PELHAM VILLAGE CENTER  
 WATER AND SEWER IMPROVEMENTS

TOWN OF AMHERST  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING DIVISION  
 586 SOUTH PLEASANT STREET  
 AMHERST, MA 01002  
 413-259-3050

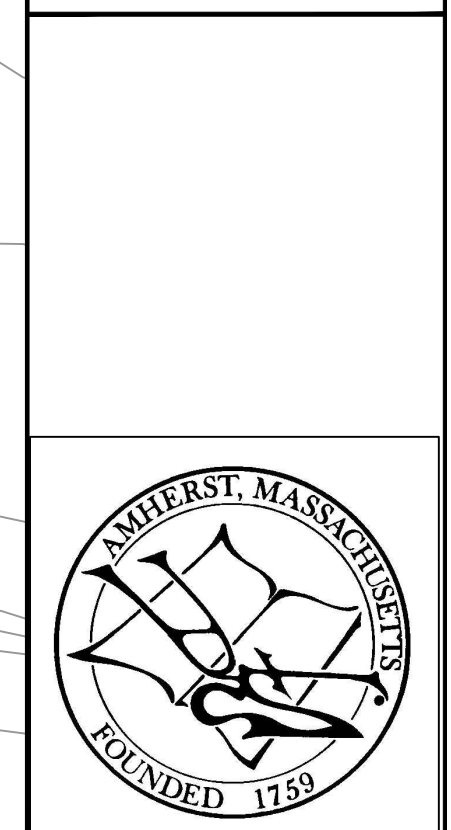




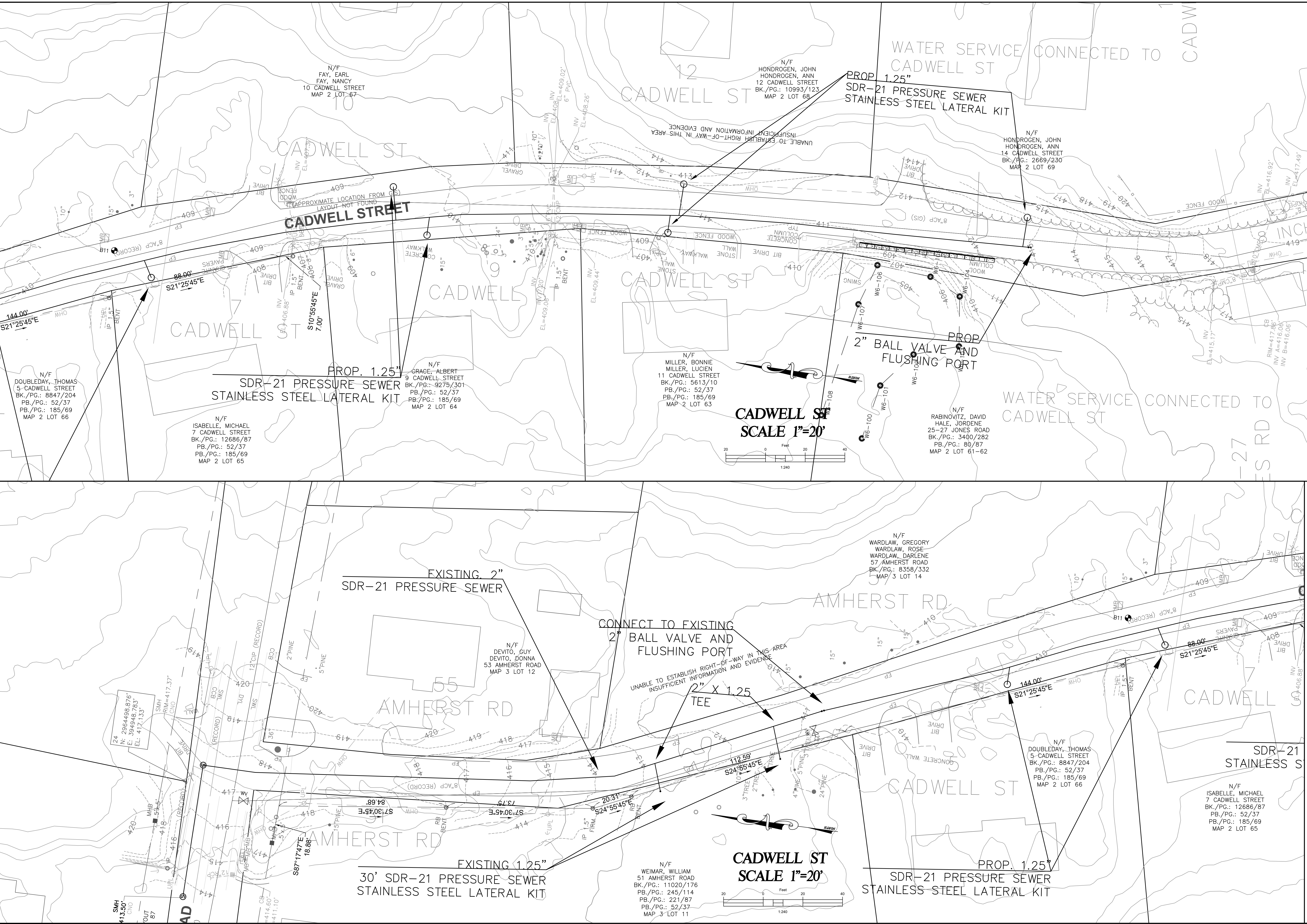
REV.	DESCRIPTION	BY	DATE

**TOWN OF PELHAM VILLAGE CENTER**  
**WATER AND SEWER IMPROVEMENTS**  
 AMHERST, MASSACHUSETTS 01002  
**JONES RD CONSTRUCTION PLANS**

**TOWN OF AMHERST**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING DIVISION**  
 586 SOUTH PLEASANT STREET  
 AMHERST, MA 01002  
 413-259-3050



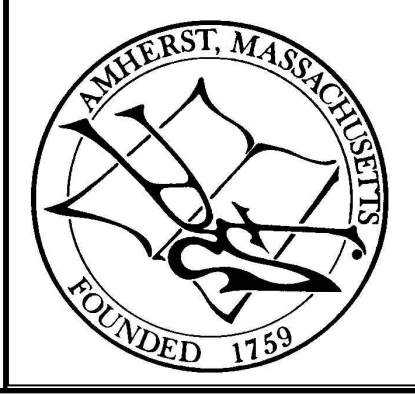
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 DATE: \_\_\_\_\_  
 JOB NO.: \_\_\_\_\_  
 SHEET: 16 OF 20



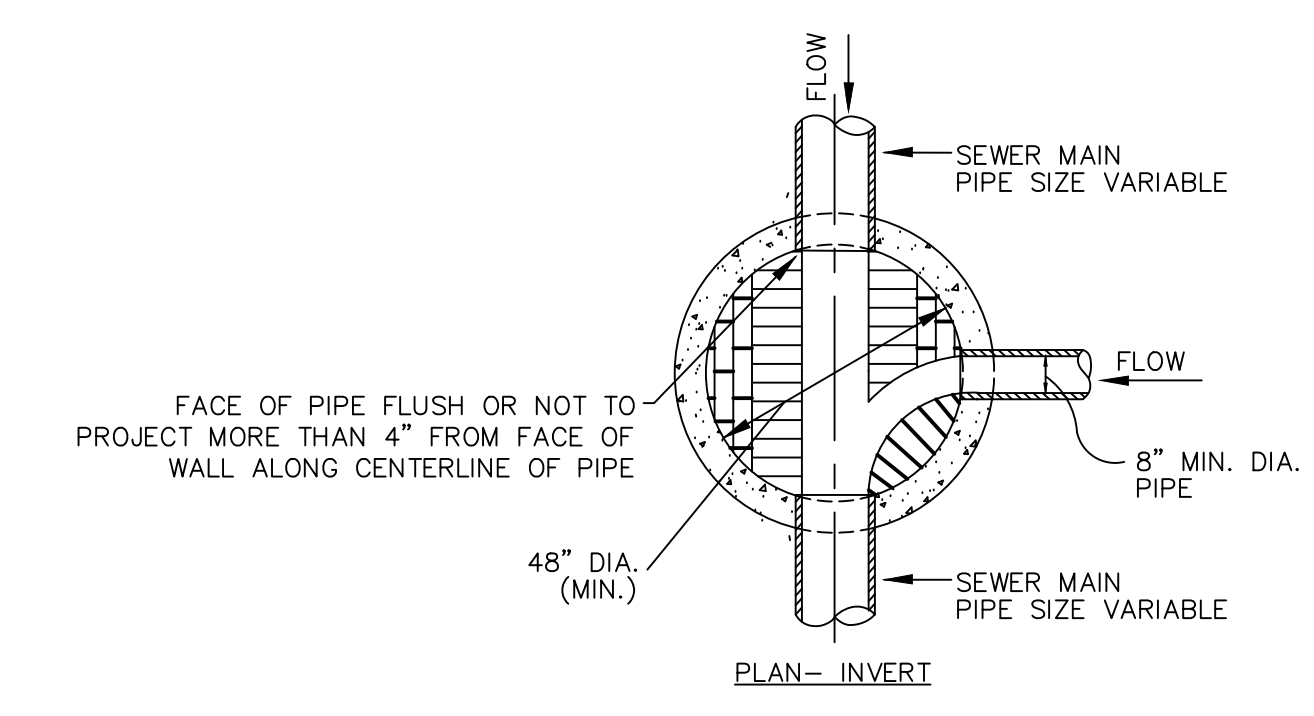
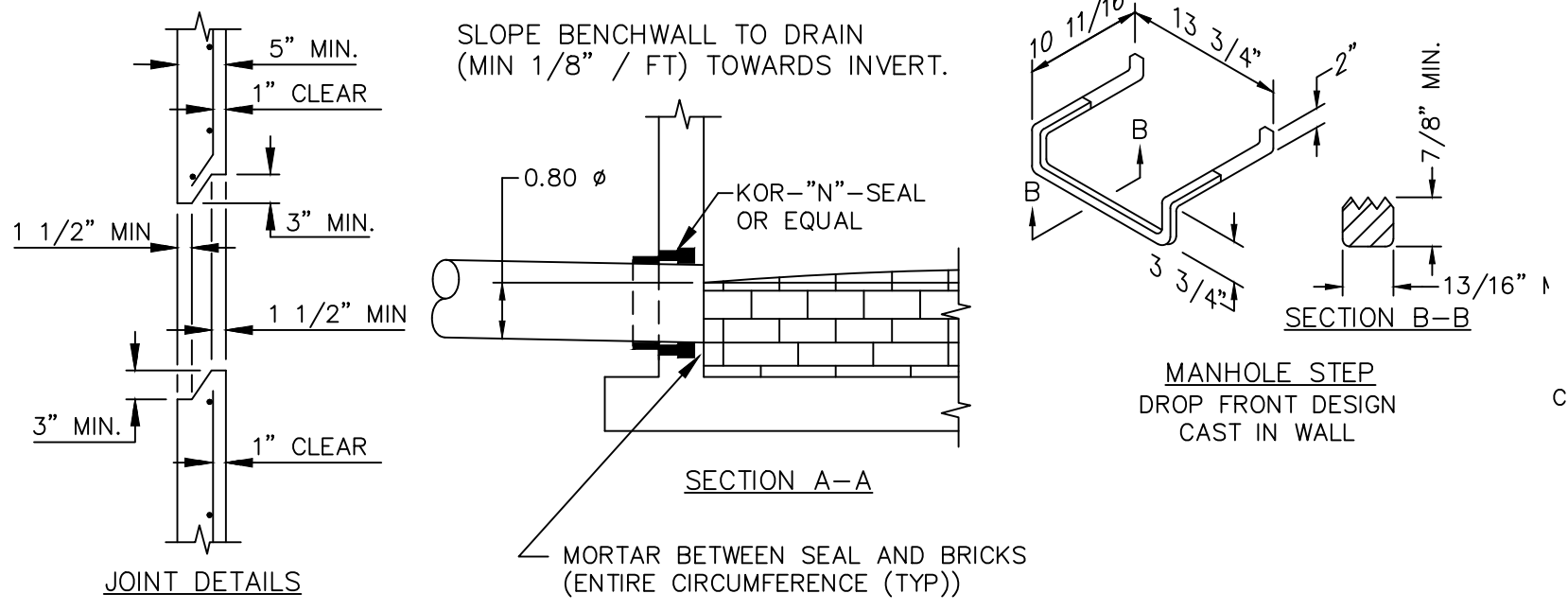
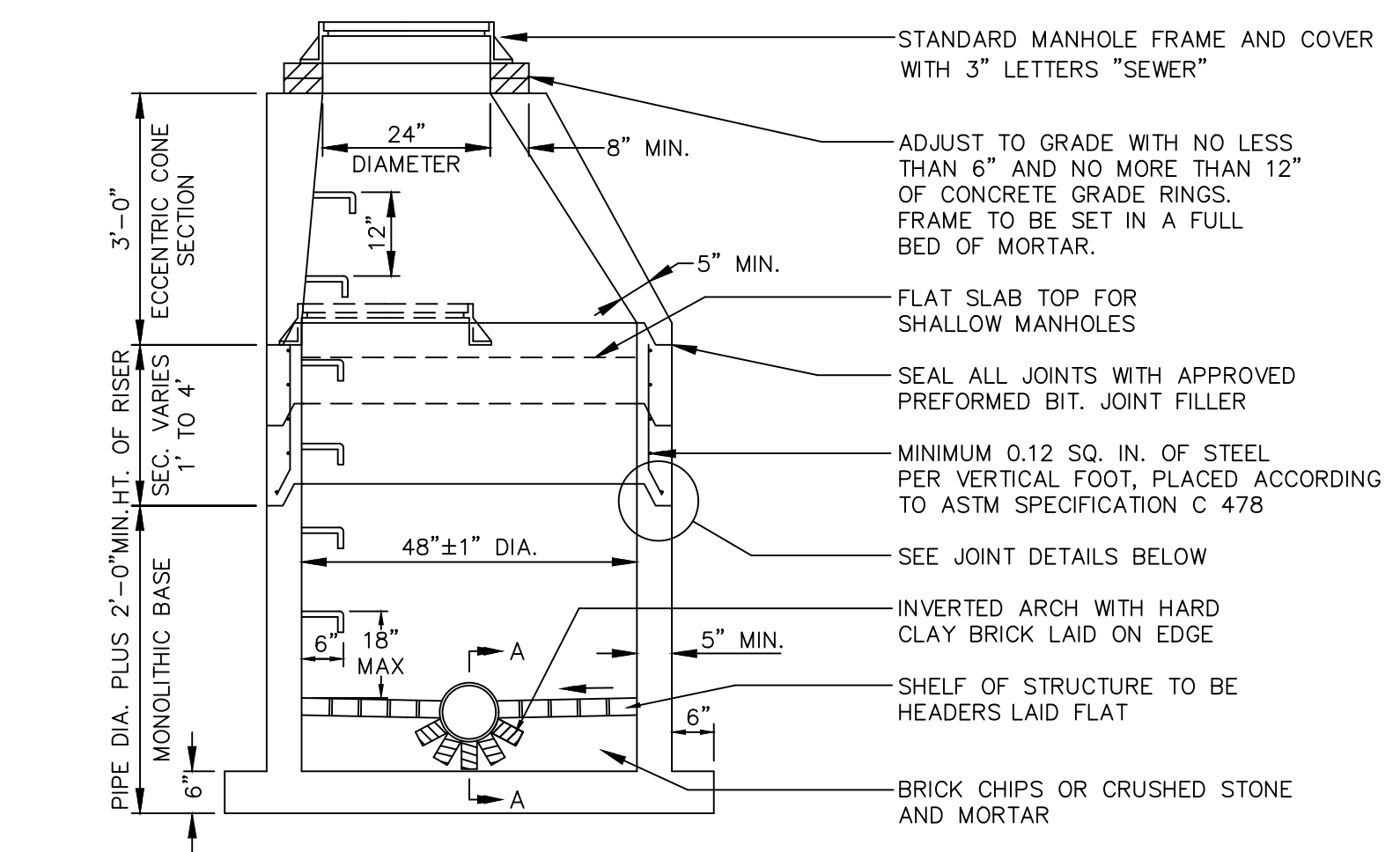
REV.	DESCRIPTION	BY	DATE

**TOWN OF PELHAM VILLAGE CENTER**  
**WATER AND SEWER IMPROVEMENTS**

**TOWN OF AMHERST**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING DIVISION**  
**586 SOUTH PLEASANT STREET**  
**AMHERST, MA. 01002**  
**413-259-3050**



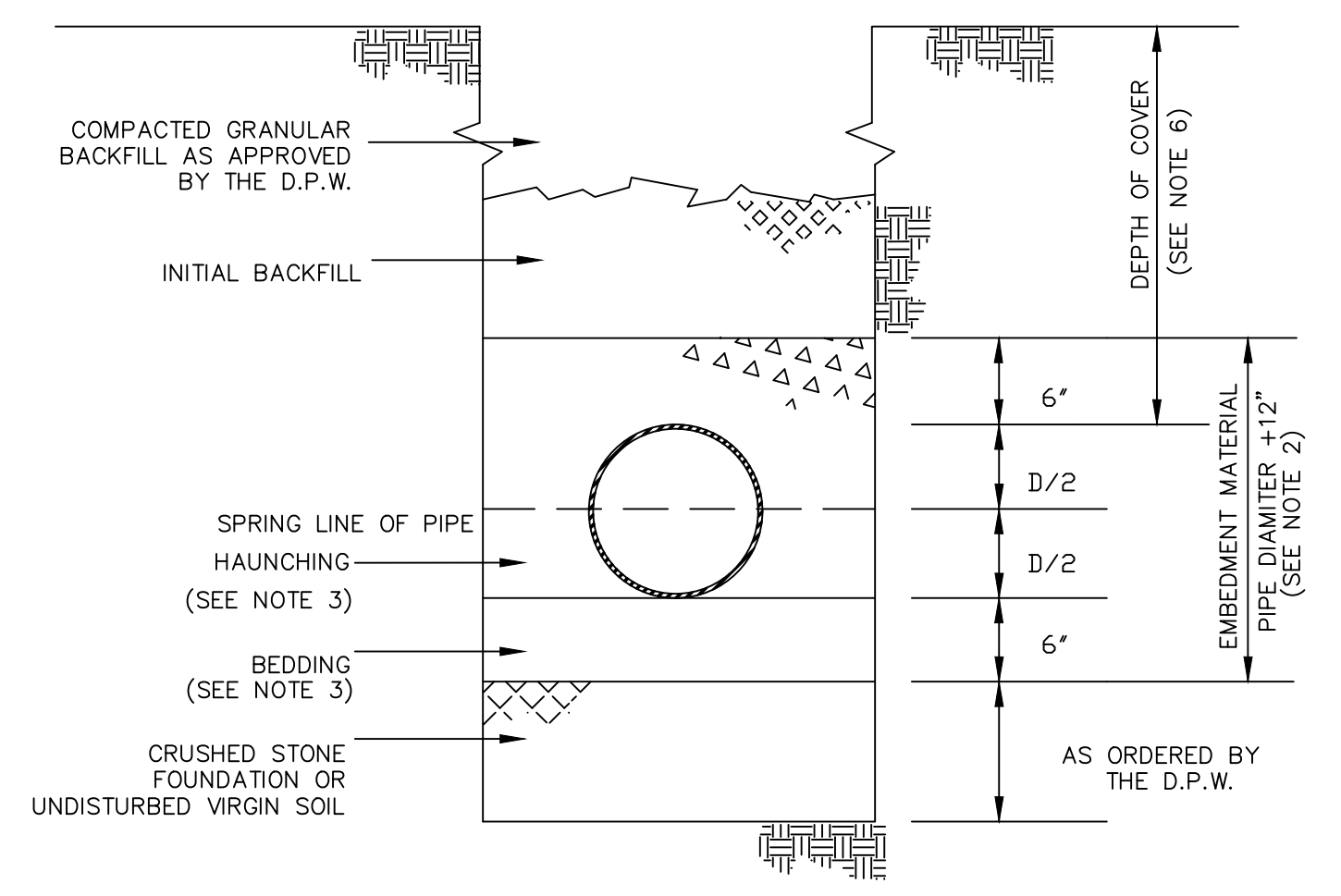
AMHERST, MASSACHUSETTS 01002  
 CADWELL ST CONSTRUCTION PLANS  
 AS NOTED DRAWN: SHEET: 17 OF 20  
 DATE: JOB NO.:



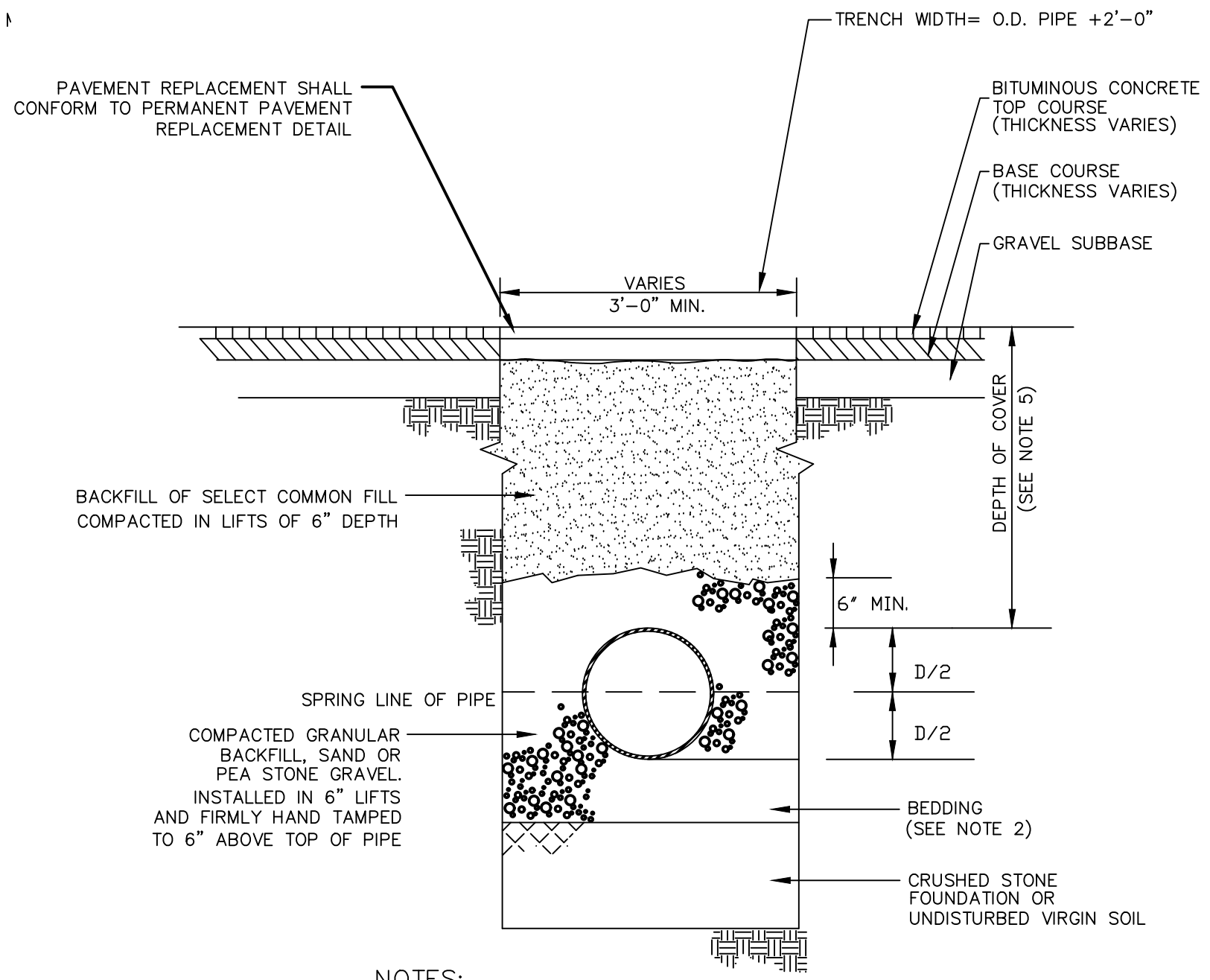
NOTES:  
1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE CURRENT TOWN STANDARDS.

### STANDARD SANITARY SEWER MANHOLE

N.T.S.



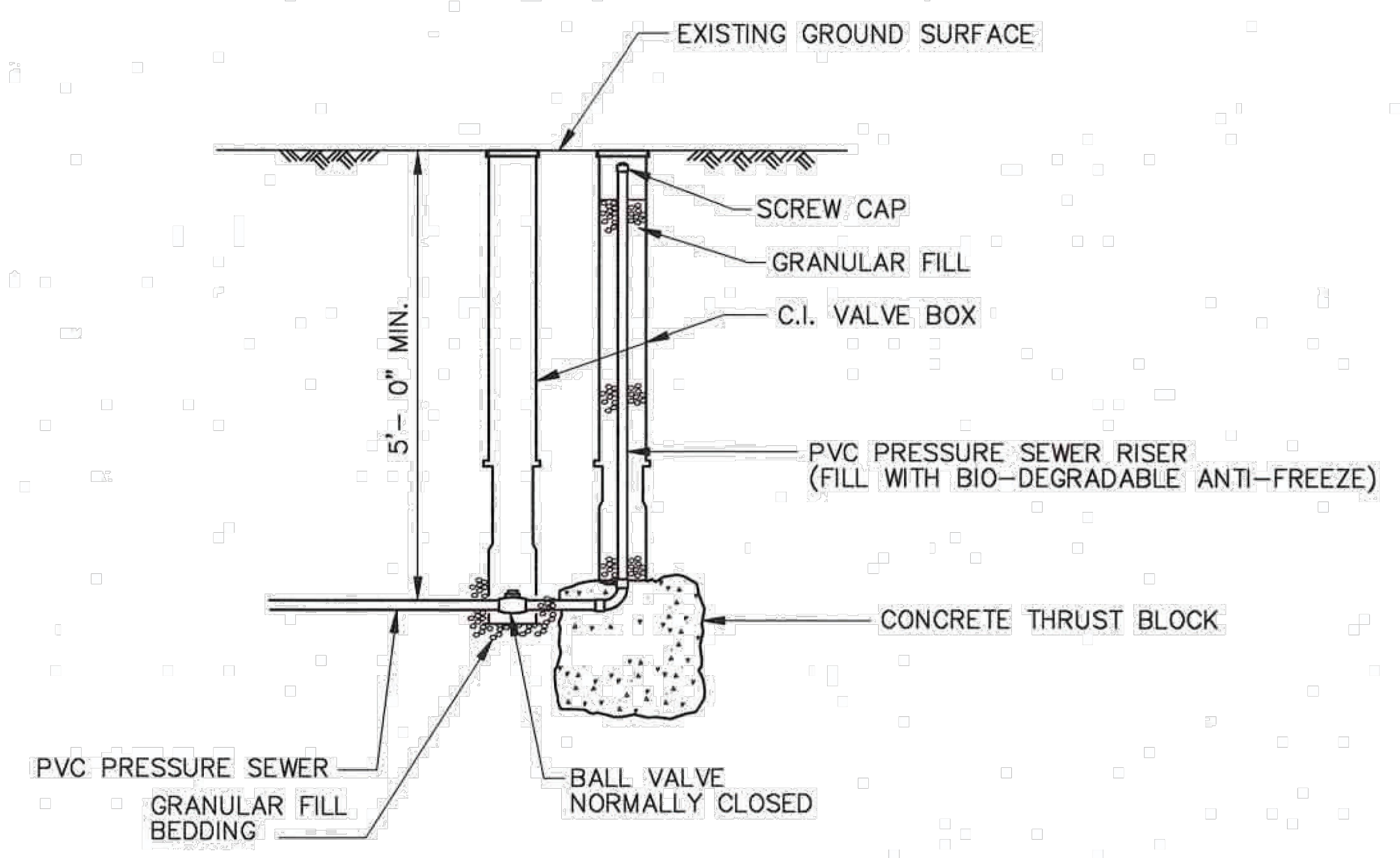
- NOTES:
1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE CURRENT TOWN STANDARDS.
  2. THE EMBEDMENT MATERIAL SHALL BE 3/4" CRUSHED STONE.
  3. USE HAND OR MECHANICAL TAMPING TO COMPACT THE BEDDING AND HAUNCHING.
  4. GEOTEXTILE TO BE USED WHERE AND AS DIRECTED BY THE D.P.W.
  5. CLAY DAMS WILL BE PROVIDED WHEN DIRECTED OR WHEN CONDITIONS WARRANT INSTALLATION.
  6. ALL SANITARY SEWER PIPE SHALL HAVE A MINIMUM OF 4 FEET OF COVER ABOVE THE PIPE.



- NOTES:
1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CURRENT TOWN STANDARDS.
  2. USE HAND OR MECHANICAL TAMPING TO COMPACT THE BEDDING AND BACKFILL MATERIAL.
  3. GEOTEXTILE TO BE USED WHERE AND AS DIRECTED BY THE D.P.W.
  4. PROVIDE AT LEAST ONE IMPERVIOUS DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE OR EVERY 300 FT., WHICHEVER IS LESS.
  5. DEPTH OF COVER VARIES. MAINTAIN 4' MIN. COVER OVER TOP OF PIPE.
  6. PAVEMENT REPLACEMENT SHALL CONFORM TO PERMANENT PAVEMENT REPLACEMENT DETAIL.

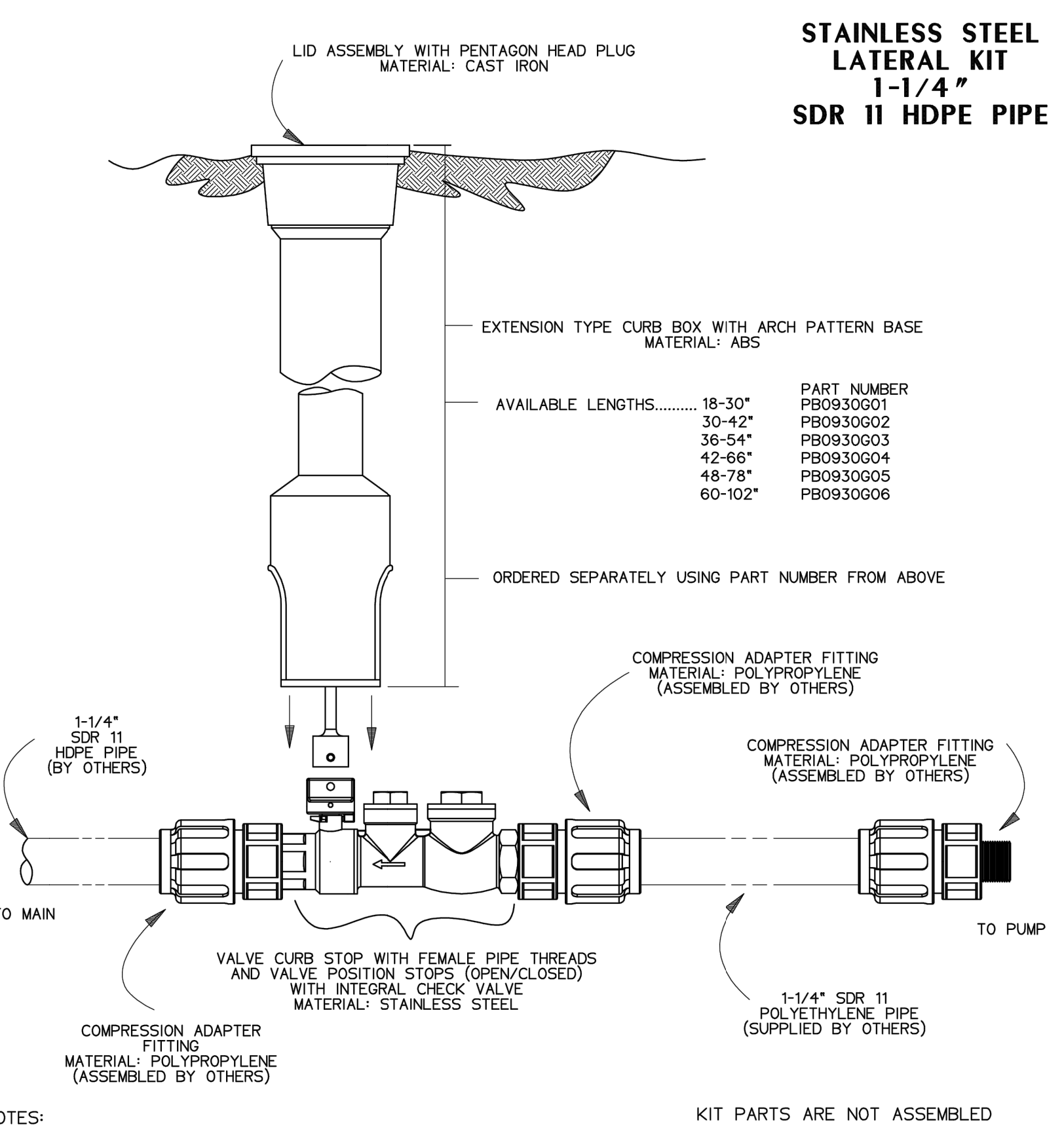
### TRENCH SECTION WITHIN PAVED SURFACE

N.T.S.



### PRESSURE SEWER FLUSHING CONNECTION

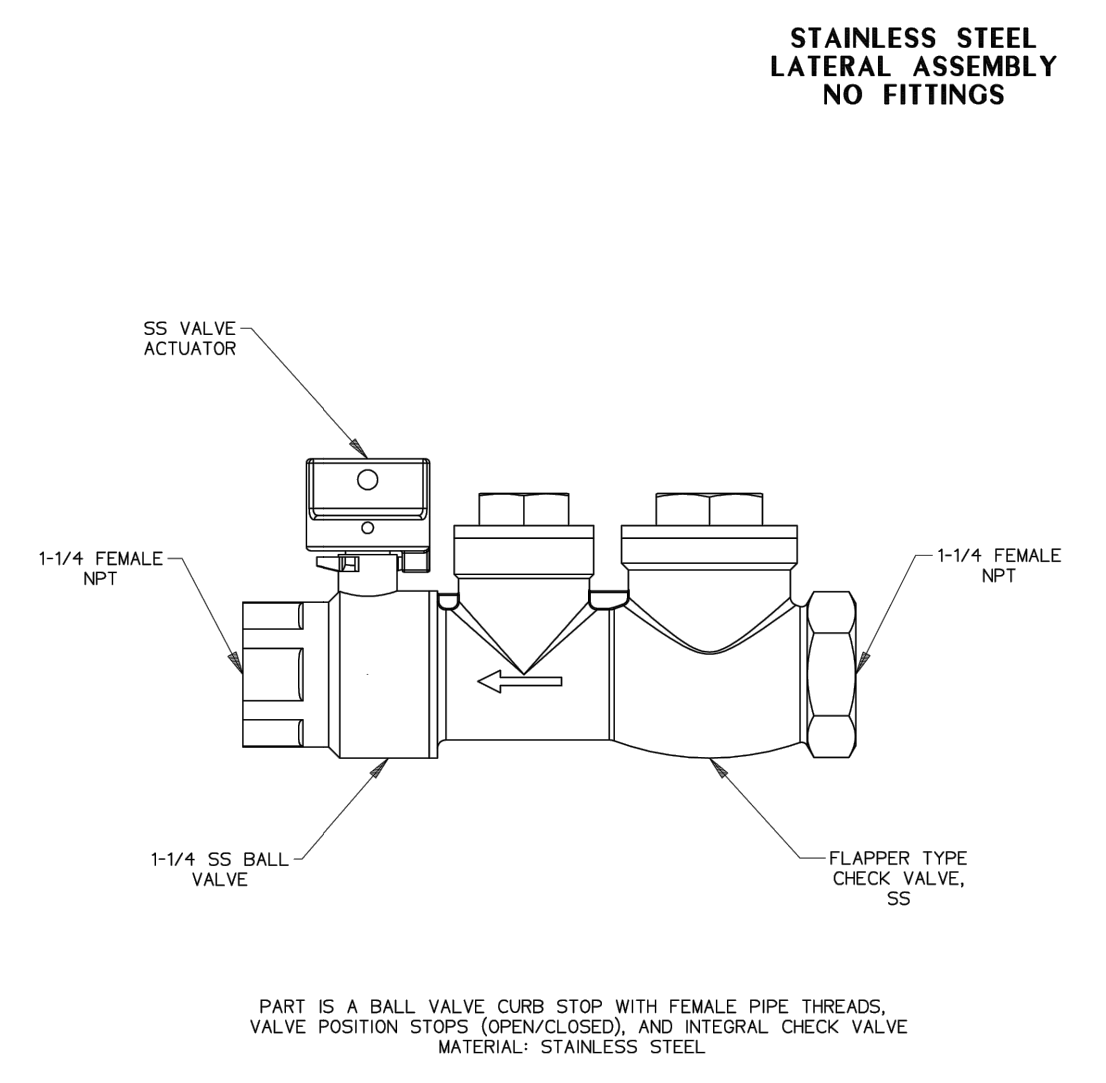
N.T.S.



- NOTES:
1. SS CURB STOP/CHECK VALVE AND FITTINGS ARE PROVIDED SEPARATELY, TO BE ASSEMBLED BY OTHERS
  2. TO ASSEMBLE, APPLY A DOUBLE LAYER OF TEFLON TAPE, AND A LAYER OF PIPE DOPE (SUPPLIED BY OTHERS) TO THE THREADS ON THE PLASTIC FITTINGS AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS
  3. ASSEMBLY IS TO BE PRESSURE TESTED (BY OTHERS)
  4. ASSEMBLY IS TO BE USED WITH SDR11 HDPE PIPE
  5. TO ORDER SS LATERAL KIT, USE PART NUMBER NCO193G01
  6. CURB BOX IS TO BE ORDERED SEPARATELY, SEE ABOVE

KIT PARTS ARE NOT ASSEMBLED

SGS	DN	11/02/11	B	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE
<b>eone</b> SEWER SYSTEMS				
STAINLESS STEEL LATERAL KIT 1-1/4" SDR 11 HDPE PIPE				
NA0330P02				



NOTES:  
1. FOR SS FITTING INTO SS THREAD, USE PIPE DOPE OR TEFLON TAPE, NOT BOTH  
2. FOR PLASTIC FITTINGS INTO SS THREAD, USE BOTH PIPE DOPE AND 2 LAYERS OF TEFLON TAPE

SSS	DN	09/20/11	A	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE
<b>eone</b> SEWER SYSTEMS				
STAINLESS STEEL LATERAL ASSEMBLY NO FITTINGS				
NA0330P05				

DESCRIPTION

REV

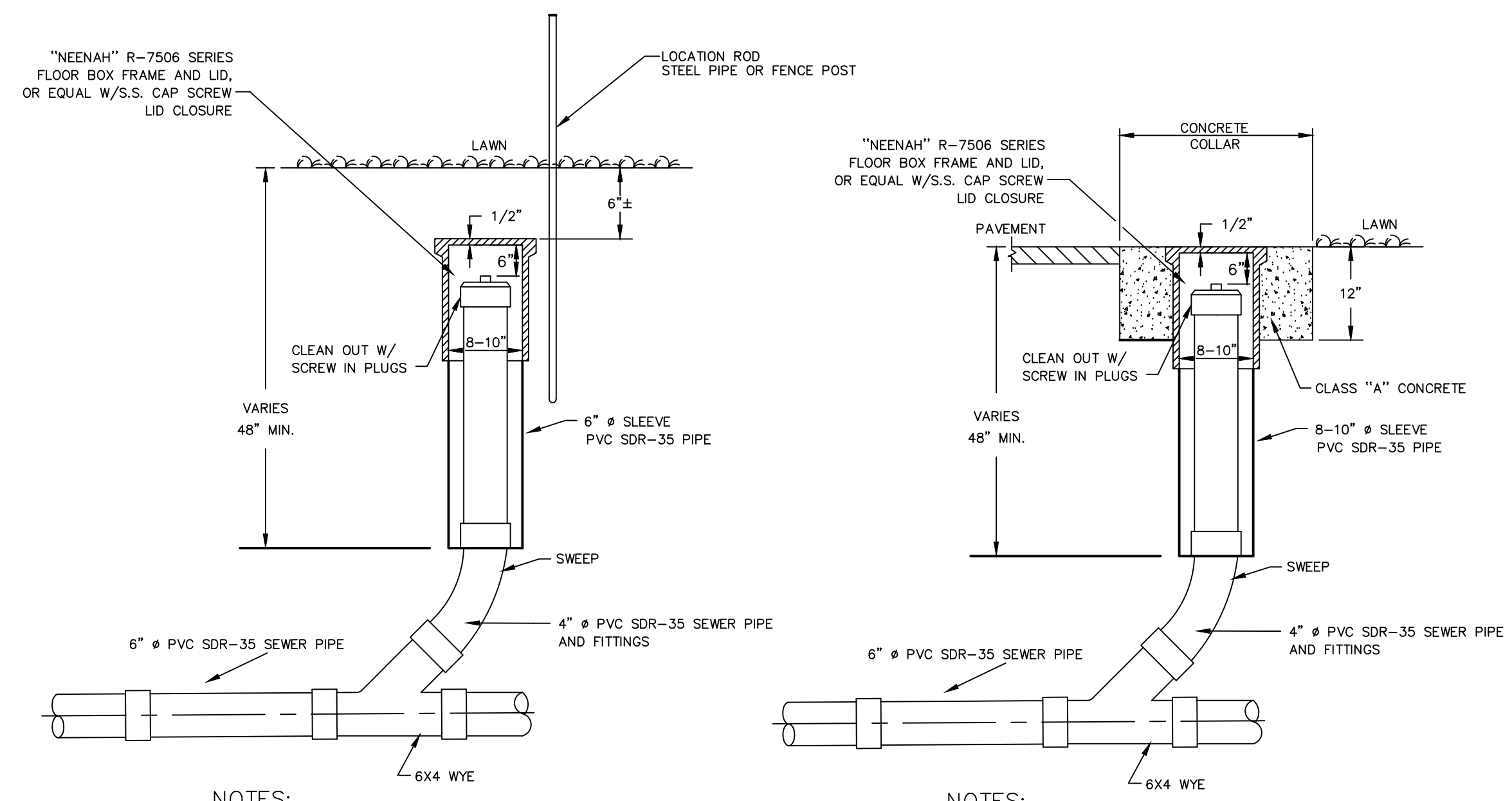
TOWN OF PELHAM VILLAGE CENTER  
WATER AND SEWER IMPROVEMENTS

CONSTRUCTION DETAILS

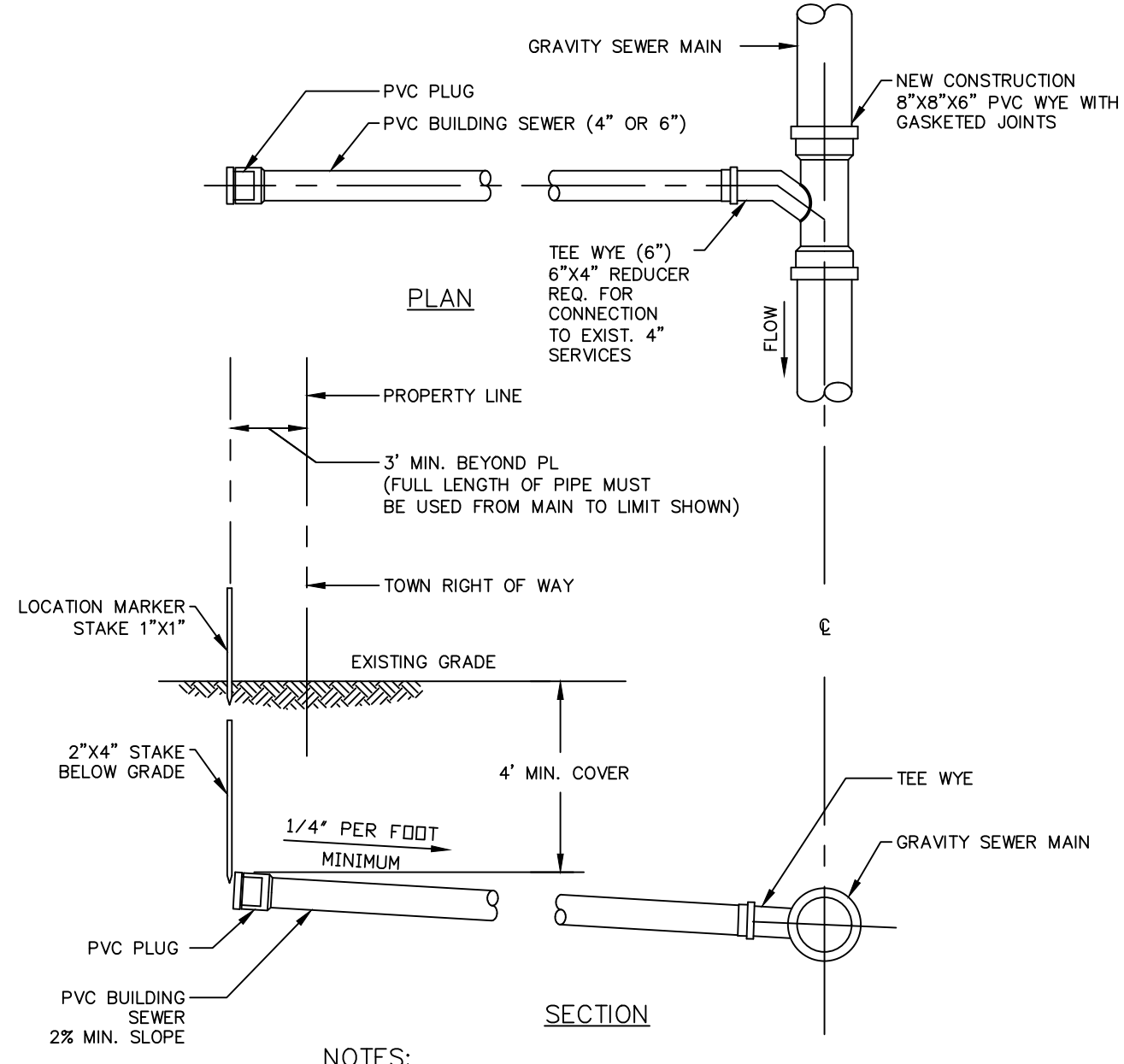
DESCRIPTION

DRAWN BY: JJJ  
SCALE: AS NOTED  
DATE: DECEMBER 31, 2025  
JOB NO.: TPI19-33 SHI: 19 OF 21  
SHEET: 18 OF 20

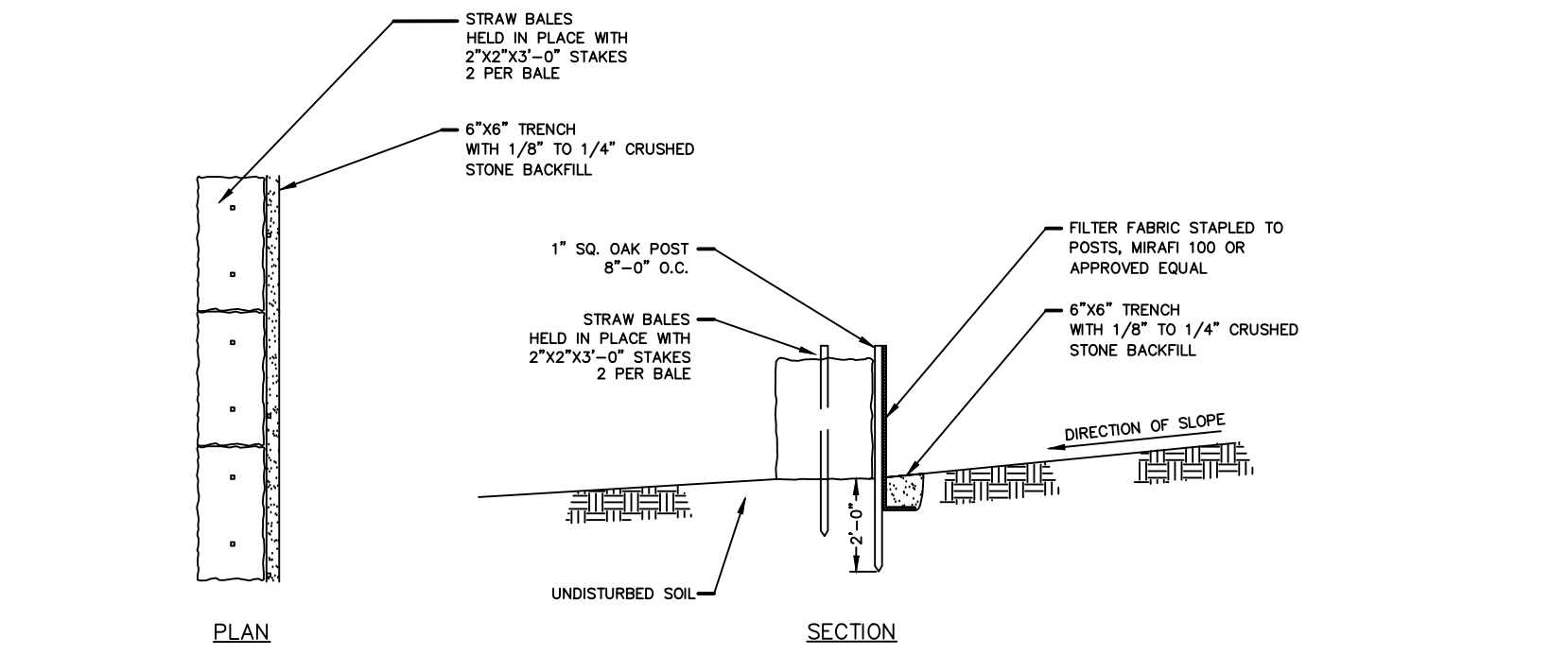
TOWN OF AMHERST  
DEPARTMENT OF PUBLIC WORKS  
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586 SOUTH PLEASANT STREET  
AMHERST, MA 01002  
413-259-3050



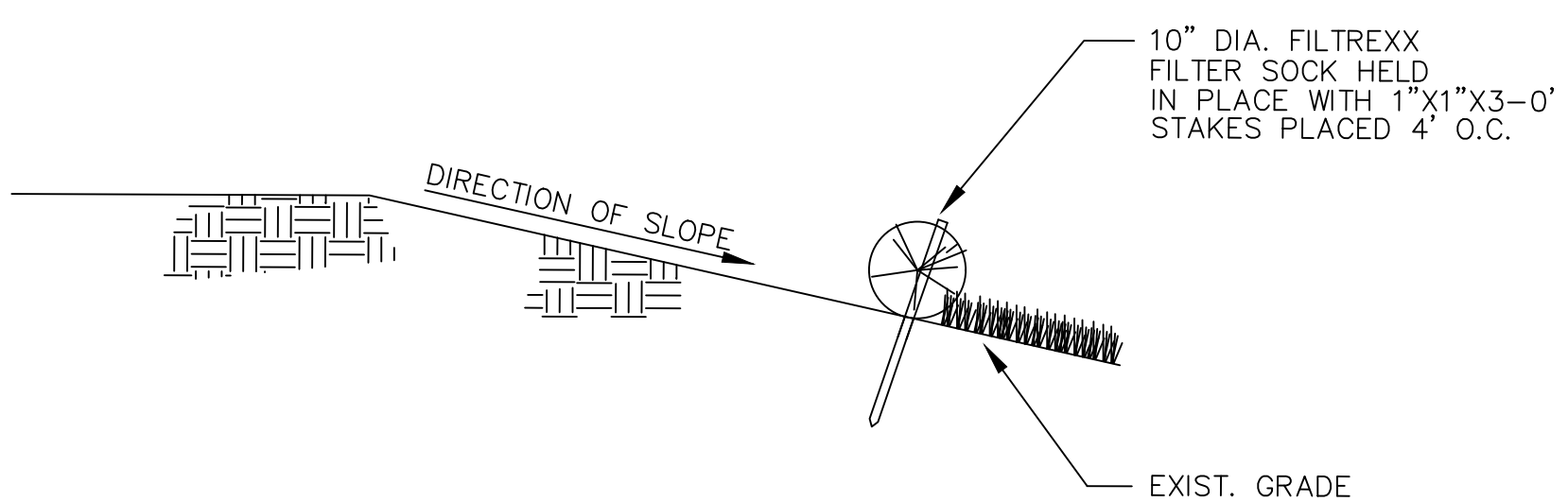
**SANITARY CLEANOUT**  
N.T.S.



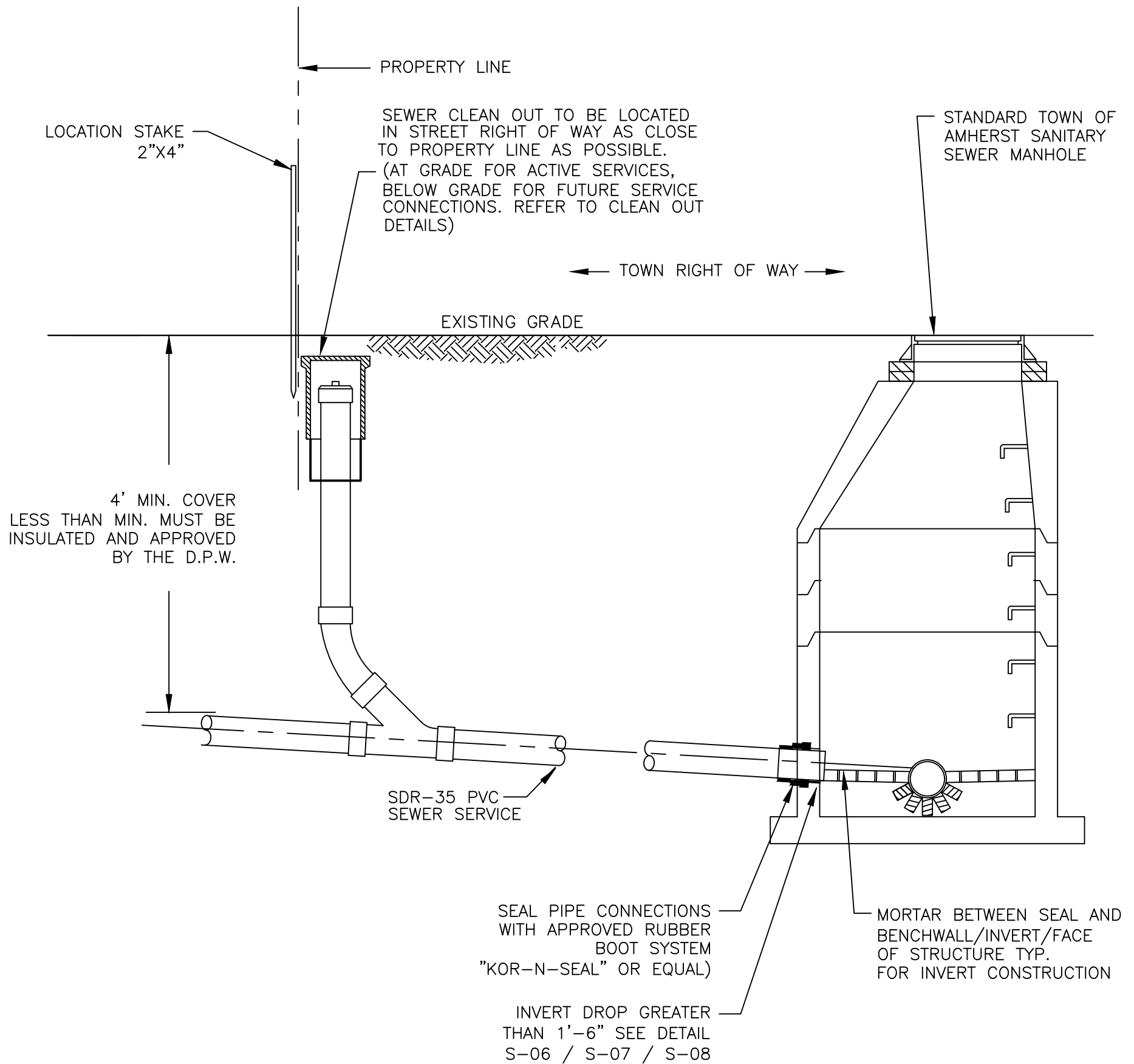
**BUILDING SEWER CONNECTION GRAVITY SEWER**  
N.T.S.



**SEDIMENTATION FENCE**  
N.T.S.

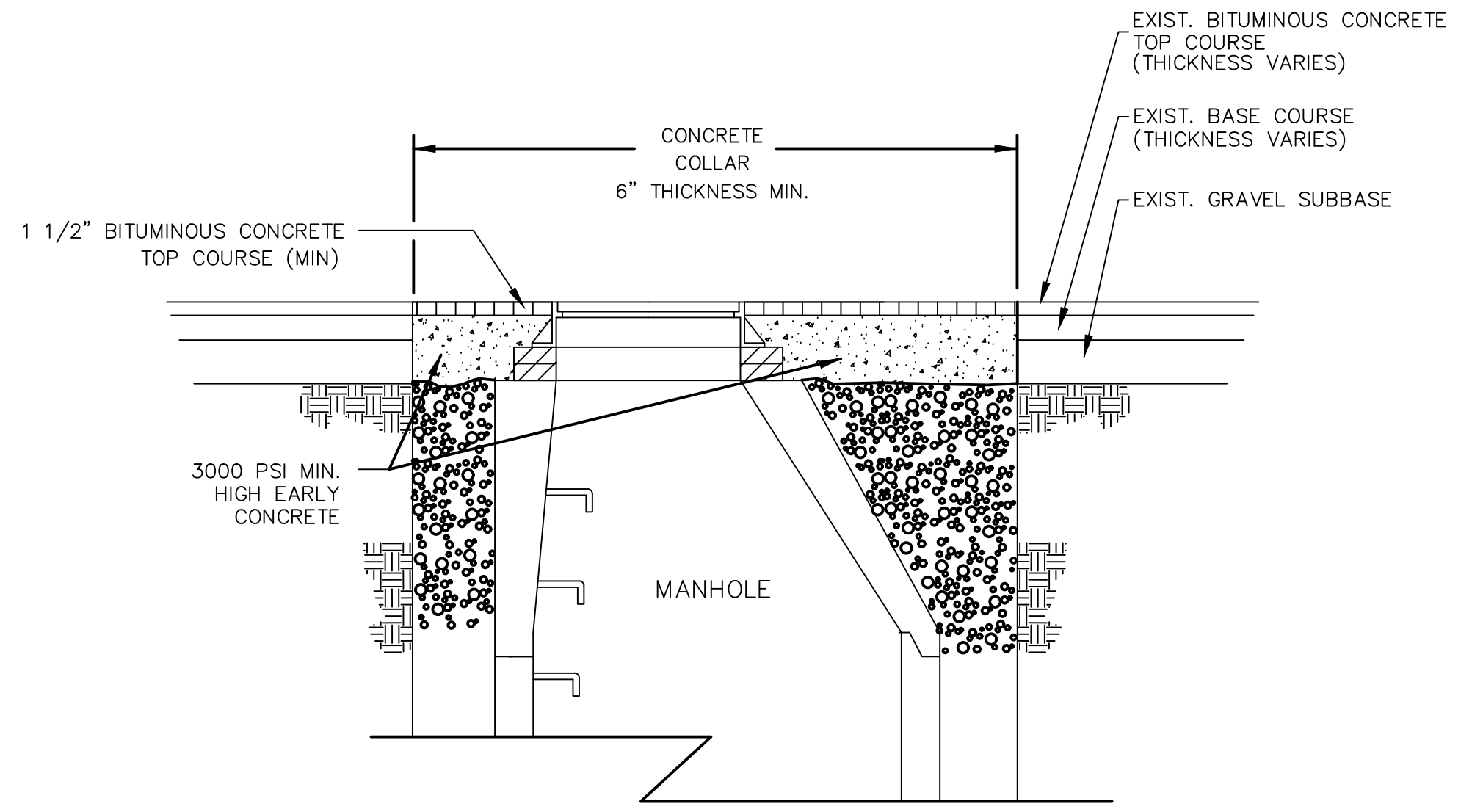


**SEDIMENT FILTER SOCK (OPTION)**  
N.T.S.

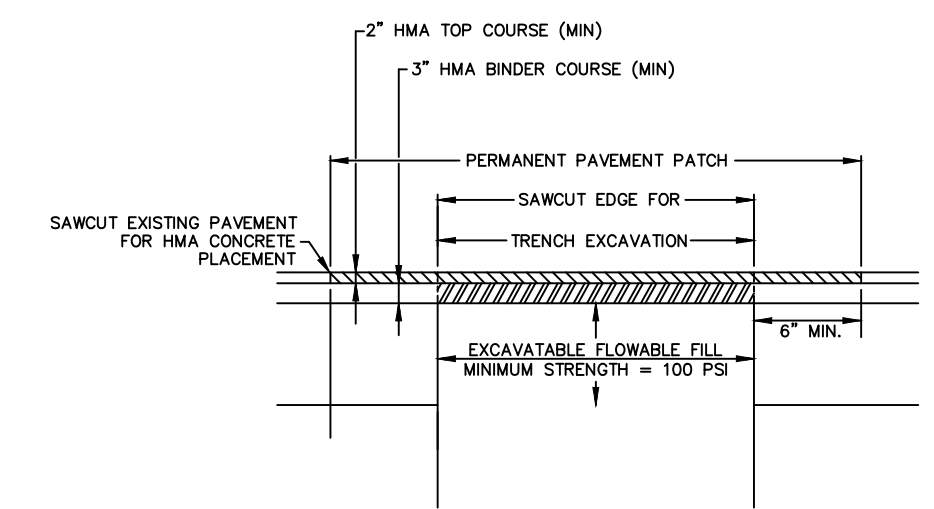


- NOTES:**
1. GRAVITY BUILDING SEWERS SHALL BE 6" DIA. MINIMUM.
  2. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE CURRENT TOWN STANDARDS.

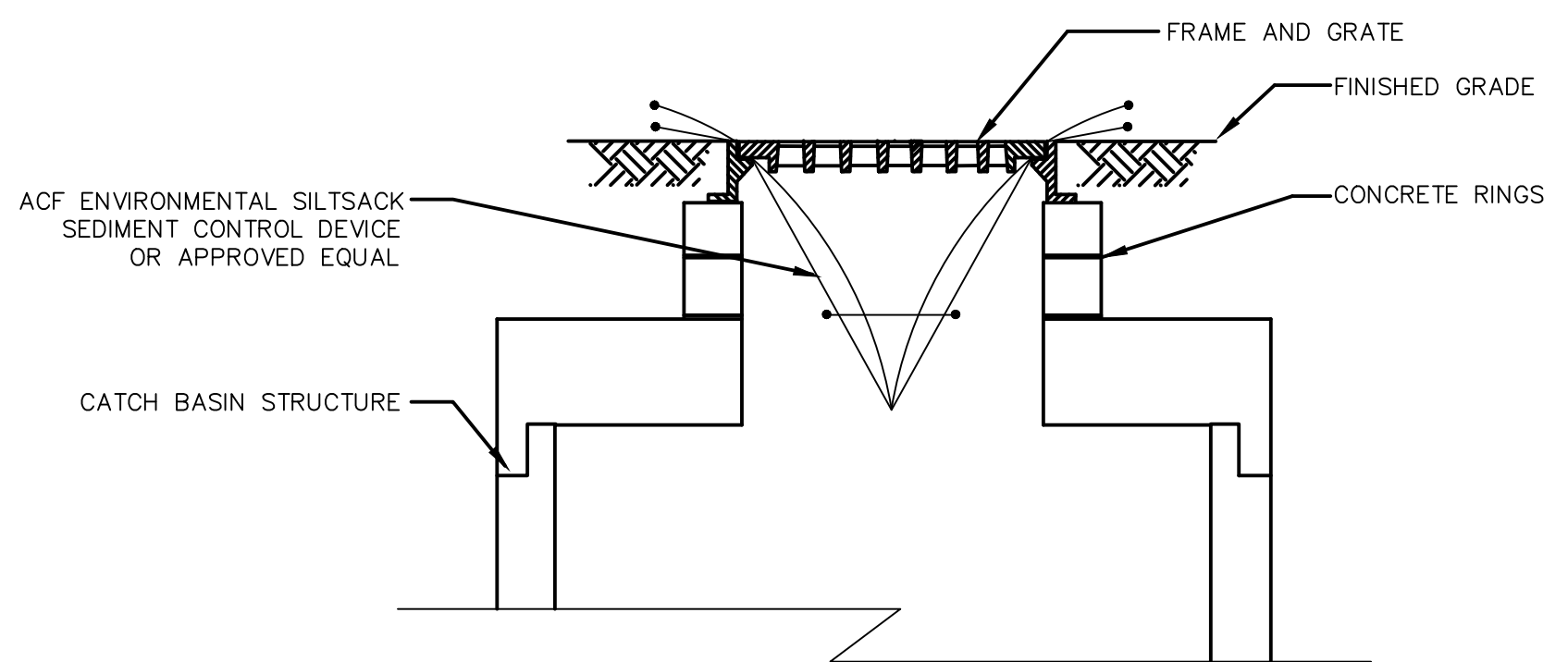
**SANITARY SEWER SERVICE CONNECTION TO MANHOLE**  
N.T.S.



**MANHOLE FRAME - CONCRETE COLLAR**  
N.T.S.



**PERMANENT PAVEMENT REPLACEMENT PATCH**  
N.T.S.

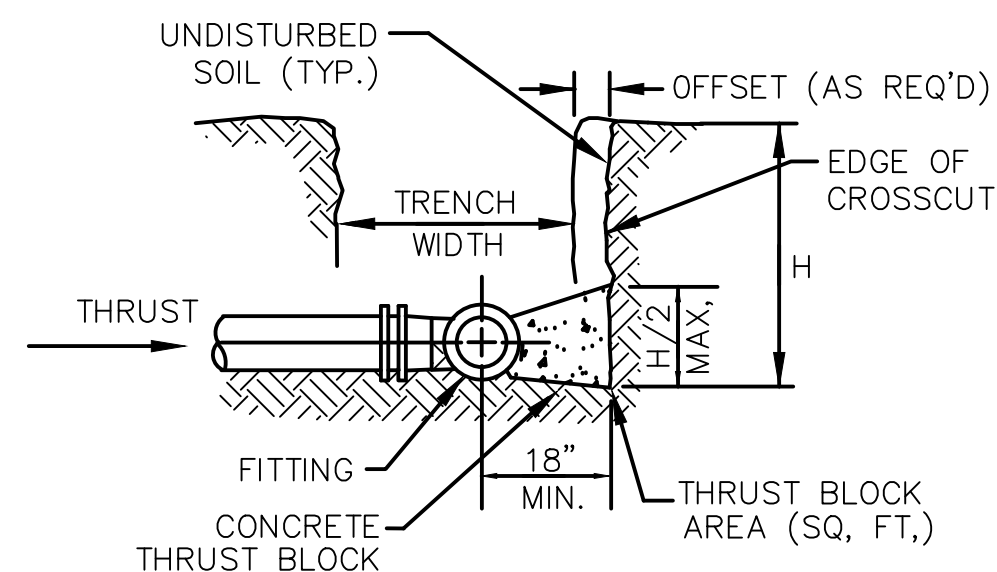
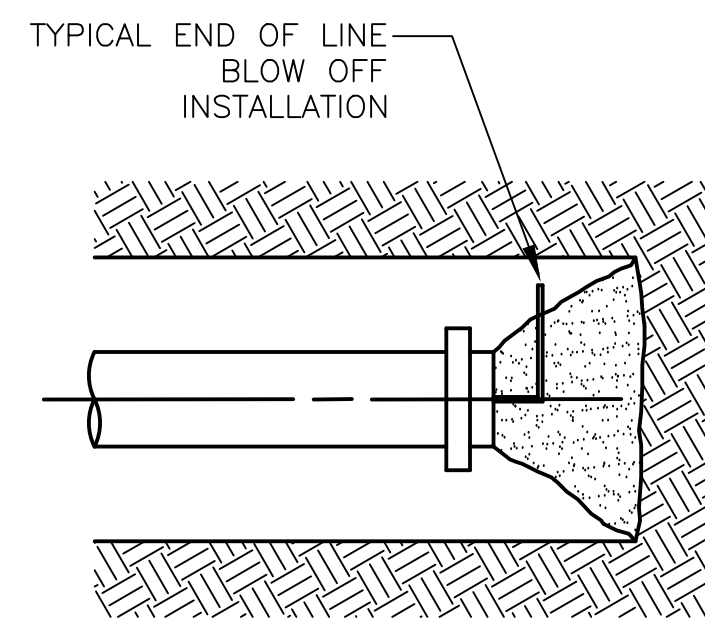
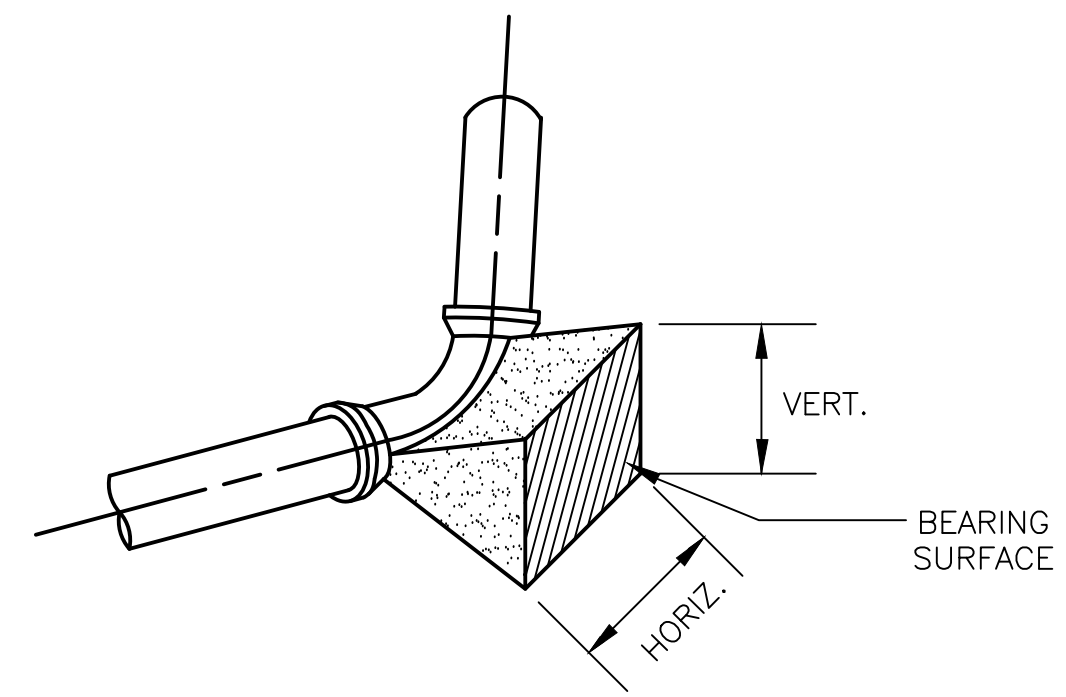


**ACF ENVIRONMENTAL SILTSACK**  
N.T.S.

REV.	DESCRIPTION	<p><b>TOWN OF PELHAM VILLAGE CENTER WATER AND SEWER IMPROVEMENTS</b></p> <p>DESCRIPTION: CONSTRUCTION DETAILS</p>
DRAWN BY: JJJ CHCKD BY: JOS		SCALE: AS NOTED
DATE: DECEMBER 31, 2025		JOB NO.: TP19-33 SH1: 20 OF 21
SHEET: 19 OF 20		

**TOWN OF AMHERST**  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
586 SOUTH PLEASANT STREET  
AMHERST, MA 01002  
413-259-3050

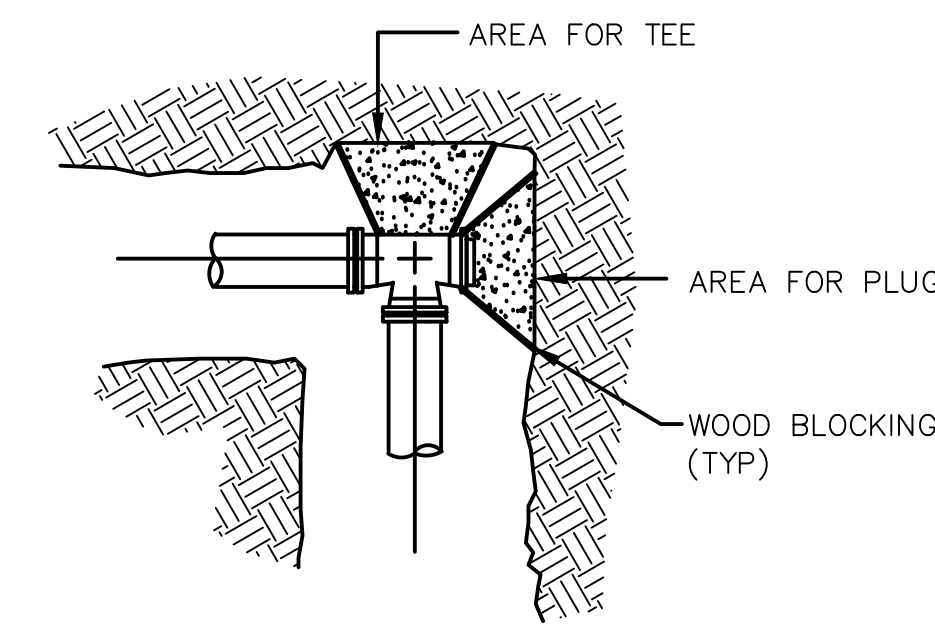




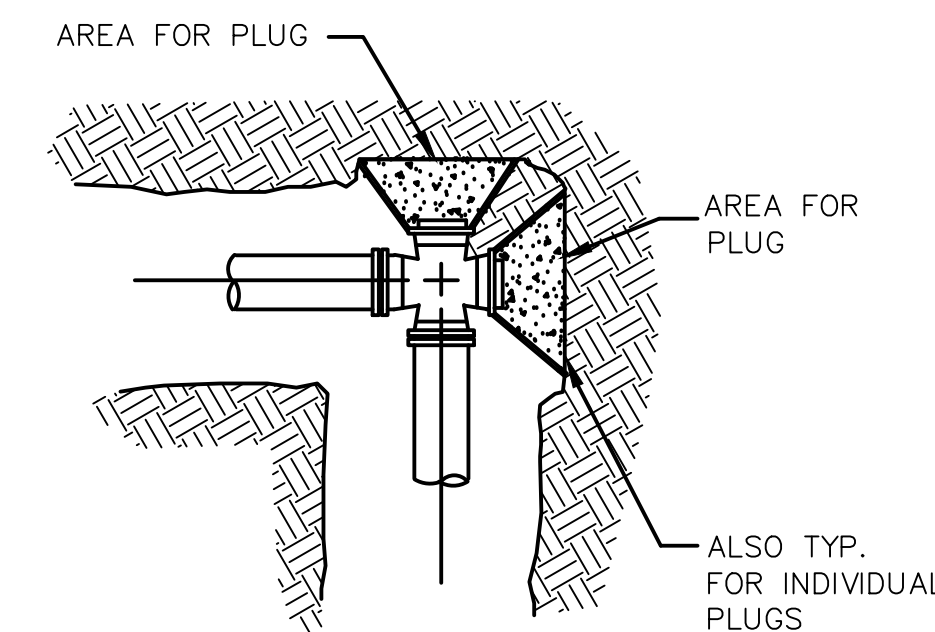
TYPICAL SECTION

MINIMUM SIZE OF THRUST BLOCK BEARING SURFACE												
(A)=	11.5' BEND		22.5' BEND		45' BEND		90' BEND		TEE		END CAP	
PIPE DIA.	H	V	H	V	H	V	H	V	H	V	H	V
4"	1'-0"	0'-10"	1'-0"	0'-10"	1'-6"	1'-0"	2'-3"	1'-3"	1'-6"	1'-0"	1'-6"	1'-6"
6"	1'-6"	0'-10"	2'-0"	0'-10"	3'-0"	1'-2"	3'-6"	1'-9"	3'-6"	1'-9"	2'-5"	1'-9"
8"	2'-0"	0'-10"	2'-3"	1'-4"	4'-0"	1'-6"	4'-6"	2'-4"	4'-6"	2'-4"	4'-0"	2'-0"
10"	2'-4"	1'-0"	3'-0"	1'-6"	4'-0"	1'-10"	6'-0"	2'-10"	6'-0"	2'-10"	4'-9"	2'-6"
12"	2'-6"	1'-4"	4'-0"	1'-8"	5'-3"	2'-6"	7'-0"	3'-5"	7'-0"	3'-5"	5'-6"	3'-0"

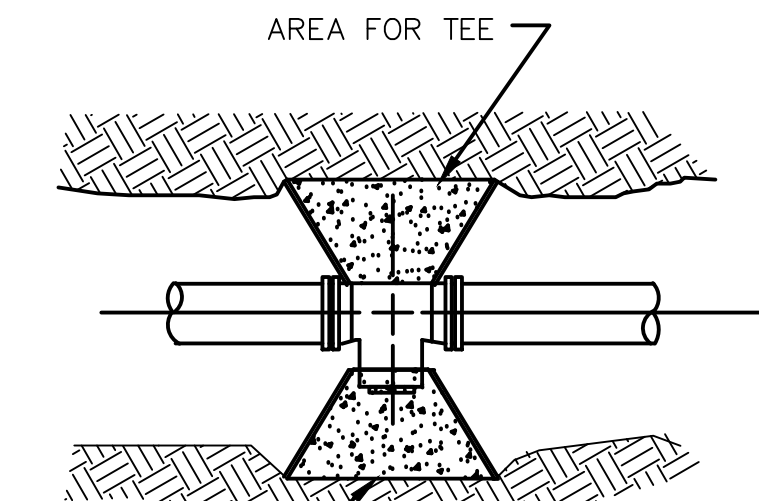
N.T.S.



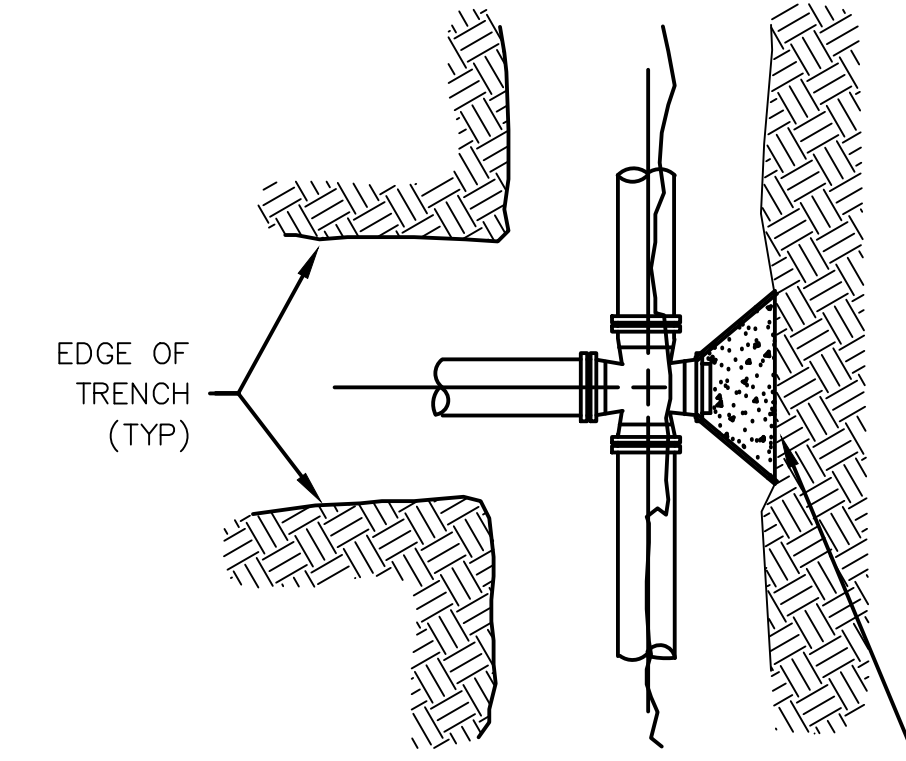
TEE WITH END PLUG



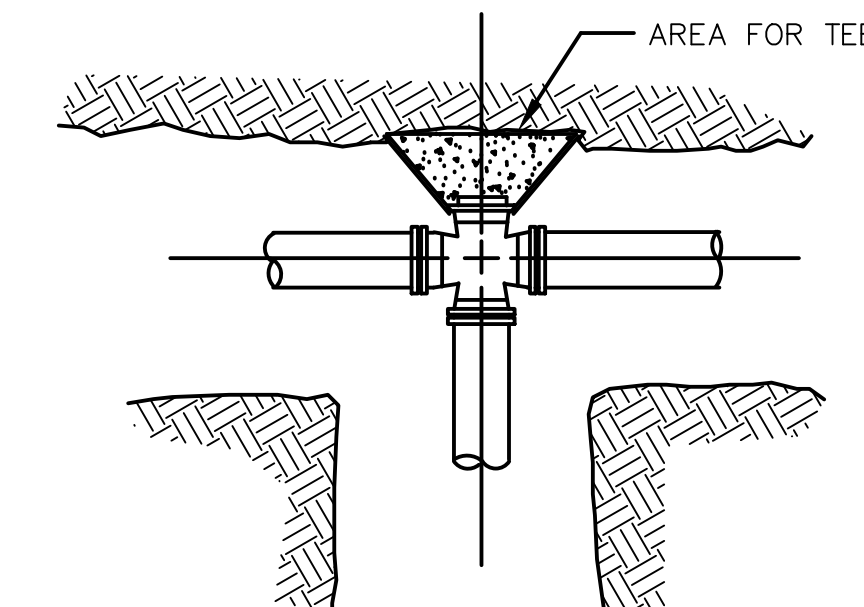
CROSS WITH TWO PLUGS



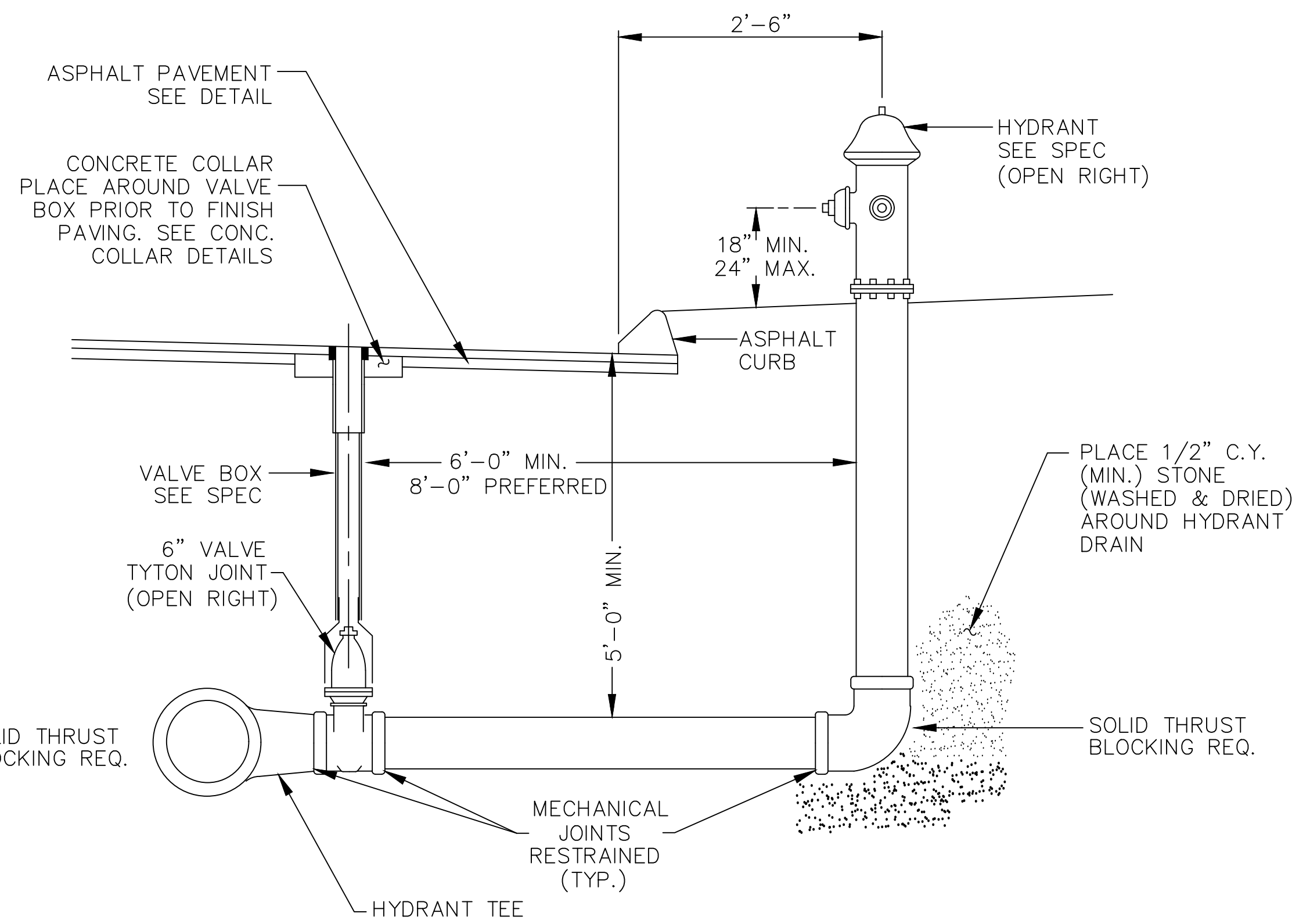
TEE WITH PLUG  
N.T.S.



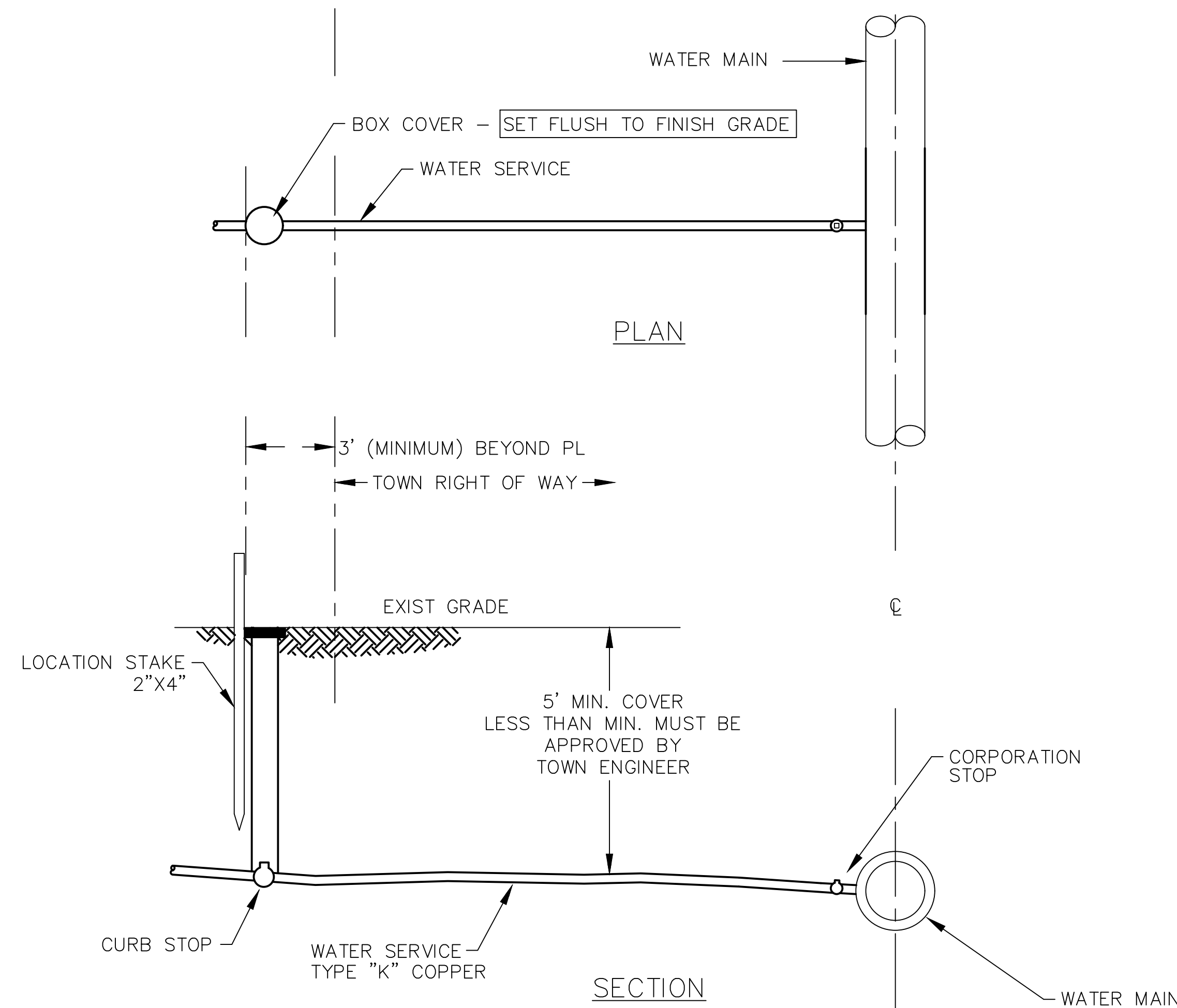
CROSS WITH PLUG



TEE



HYDRANT DETAIL  
N.T.S.



NOTES:

1. WATER SERVICE TO BE A MINIMUM 3/4"Ø. BASED ON SETBACK AND ELEVATION, LARGER SERVICES MAY BE REQUIRED AND SIZED BY A PROFESSIONAL ENGINEER/LICENSED PLUMBER.
2. MINIMUM BURY DEPTH = 5 FEET.

WATER SERVICE CONNECTION  
N.T.S.

REV. DESCRIPTION

DRAWN BY: JJJ CHCKD BY: JOS  
SCALE: AS NOTED  
DATE: DECEMBER 31, 2025  
JOB NO.: TP19-33 SHT: 21 OF 21  
SHEET: 20 OF 20

TOWN OF PELHAM VILLAGE CENTER  
WATER AND SEWER IMPROVEMENTS

CONSTRUCTION DETAILS

DESCRIPTION:

TOWN OF AMHERST  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
586 SOUTH PLEASANT STREET  
AMHERST, MA 01002  
413-259-3050



# GEOSEARCH, INC.

Client: Amherst, MA Date: 2/17/26 Page # 1 of 1  
 Location 2 South Valley Rd., Pelham, MA

Boring Ground Date Date Drilling Eng/Hydrol.  
 No. B1 Elev Start 2/17/26 Complete 2/17/26 Foreman: Michael DeAmicis Geologist:

D E P T H	Sample Data				Casing Blows Per Ft.	Strata Change Depth	Visual Identification of Soil and/or Rock Strata
	Sample		Blows	Rec.			
	NO.	Depth(ft.)	6" Penetration	Inches			
							ASPHALT 5"
	1	1' - 3'	9-39-13-17	21"			Dry, very dense, COURSE SAND & GRAVEL, trace silt
	2	3' - 4'2"	11-47-60/2"	10"			Moist, very dense, GRAVEL & SAND, small peat layer, some silt
5	3	5' - 7'	30-15-16-18	17"		WET	Wet, dense, COURSE GRAVEL & SAND
	4	7' - 9'	17-12-8-5	19"			Wet, medium dense, FINE SAND & GRAVEL, some silt
10	5	9' - 11'	6-6-7-6	19"			Wet, medium dense, FINE SAND, some silt
							END OF BORING 11'
							** Very boney between 3'-5'
15							
20							
25							
30							
35							

Type Of Boring: Casing Size Hollow Stem Auger Size 4.25" Standard Penetration Test (ST) = 140lb hammer falling 30"

Proportion Percentages	Granular Soils (blows per ft.)		Cohesive Soils (blows per ft.)	
Trace 0 to 10%	0 to 4 Very Loose	30 to 50 Dense	0 to 2 Very Soft	8 to 15 Stiff
Some 10 to 40%	4 to 10 Loose	Over 50 Very Dense	2 to 4 Soft	15 to 30 Very Stiff
And 40 to 50%	10 to 30 Medium Dense		4 to 8 Medium Stiff	Over 30 Hard

Blows are per 6" taken with an 24" long X 2" OD X 1 3/8" I.D.

















# GEOSEARCH, INC.

Client: Amherst, MA		Date: 2/18/26		Page # 1 of 1		
Location 9 Jones Rd., Pelham, MA						
Boring No. B9	Ground Elev	Date Start 2/18/26	Date Complete 2/18/26	Drilling Foreman: Michael DeAmicis	Eng/Hydrol. Geologist:	
<b>D E P T H</b>	<b>Sample Data</b>			<b>Casing Blows Per Ft.</b>	<b>Strata Change Depth</b>	<b>Visual Identification of Soil and/or Rock Strata</b>
	<b>NO.</b>	<b>Sample Depth(ft.)</b>	<b>Blows 6" Penetration</b>			
						ASPHALT 6"
	1	1' - 3'	13-15-20-19	20"		Dry, dense, FINE SAND, trace gravel, trace silt
	2	3' - 5'	11-5-4-4	19"		Dry, loose, FINE SAND, trace silt
5	3	5' - 7'	6-5-4-6	17"		Dry, loose, FINE SAND, trace silt
	4	8' - 10'	12-15-19-23	24"		Dry, dense, FINE SAND, trace gravel, trace silt
10						END OF BORING at 10' - No water
15						
20						
25						
30						
35						

Type Of Boring:	Casing Size	Hollow Stem Auger Size 4.25"	Standard Penetration Test (ST) = 140lb hammer falling 30"
<b>Proportion Percentages</b>		<b>Granular Soils (blows per ft.)</b>	
Trace 0 to 10%	Some 10 to 40%	And 40 to 50%	
0 to 4 Very Loose	4 to 10 Loose	10 to 30 Medium Dense	30 to 50 Dense Over 50 Very Dense
0 to 2 Very Soft	2 to 4 Soft	4 to 8 Medium Stiff	8 to 15 Stiff 15 to 30 Very Stiff Over 30 Hard
Blows are per 6" taken with an 24" long X 2" OD X 1 3/8" I.D.			



