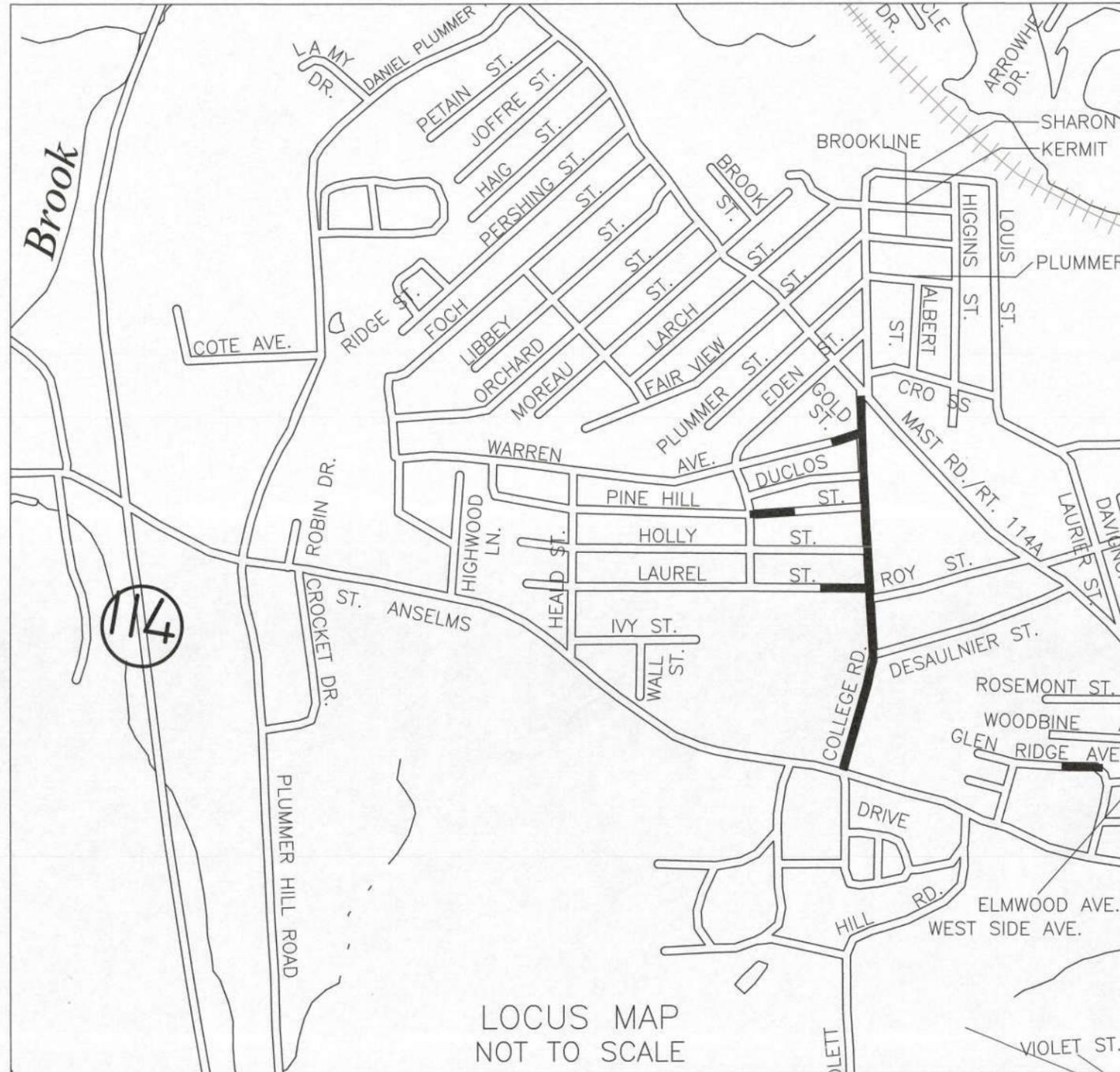


# PLANS FOR IMPROVEMENTS 2016 SEWER REPLACEMENT PROJECT



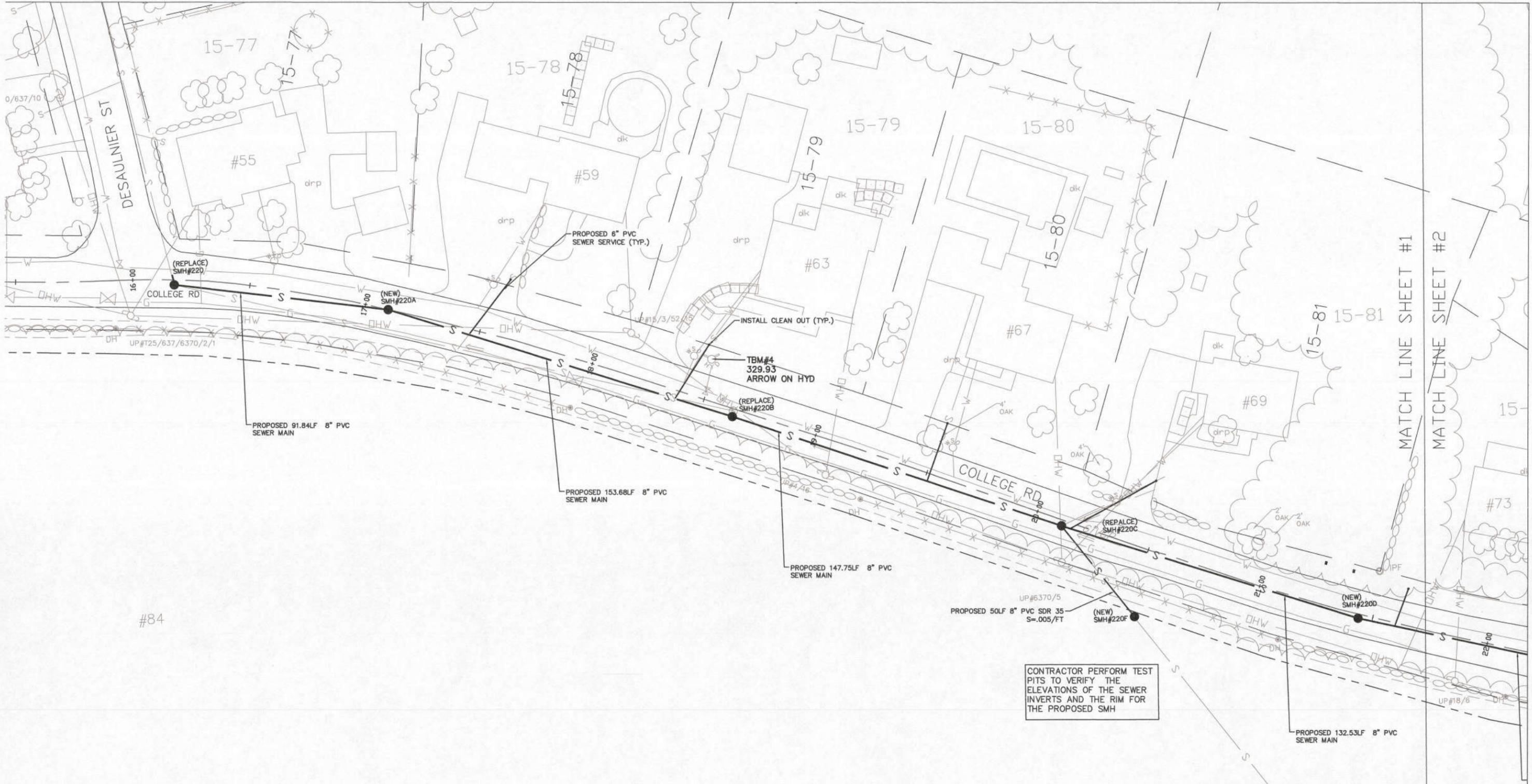
**PROJECT AREA**

TOWN OF GOFFSTOWN  
DEPARTMENT OF PUBLIC WORKS  
404 ELM STREET  
GOFFSTOWN, NH 03045  
PHONE: (603) 497-3617  
FAX: (603) 497-5700

Latest Revision Date: 06-10-16



TOWN OF GOFFSTOWN  
SEWER COMMISSION  
16 MAIN STREET  
GOFFSTOWN, NH 03045  
PHONE: (603) 497-8990  
FAX: (603) 497-8993



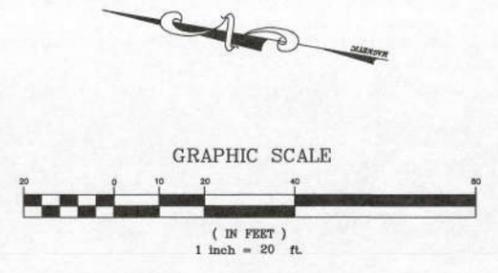
MATCH LINE SHEET #1  
MATCH LINE SHEET #2

CONTRACTOR PERFORM TEST PITS TO VERIFY THE ELEVATIONS OF THE SEWER INVERTS AND THE RIM FOR THE PROPOSED SMH

**LEGEND:**

DRAIN PIPE .....		WATER LINE .....	
WATER .....		RETAINING WALL .....	
UTILITY POLE .....		STONE WALL .....	
UTILITY BOX .....		GUARDRAIL .....	
LIGHT POLE .....		RAILROAD .....	
HYDRANT .....		POOL .....	
CATCH BASIN .....		PAVED ROAD .....	
SEWER .....		UNPAVED ROAD .....	
MANHOLE .....		SIDEWALK .....	
TREELINE .....		TRAIL .....	
FENCE .....		STRUCTURE .....	
CULVERT .....		WETLAND .....	

- GENERAL NOTES:**
- HOLD POLES AS NEEDED DURING CONSTRUCTION.
  - INSTALL 2" RIGID INSULATION IF COVER IS LESS THAN 6'.
  - INSTALL 2" OF HOT BIT PAVEMENT (BASE COURSE 3/4") AND 6" OF CRUSHED GRAVEL ON COLLEGE RD AND GLENRIDGE AVE.
  - INSTALL 4" OF PAVEMENT (BASE 2.5" + TOP 1.5") WITH 1" CRUSHED GRAVEL ON LAUREL ST, WARREN AVE, AND PINEHILL AVE.
  - SECOND WATER MAIN (ABANDONED) IS NOT SHOWN ON PLAN AS LOCATION IS UNKNOWN.



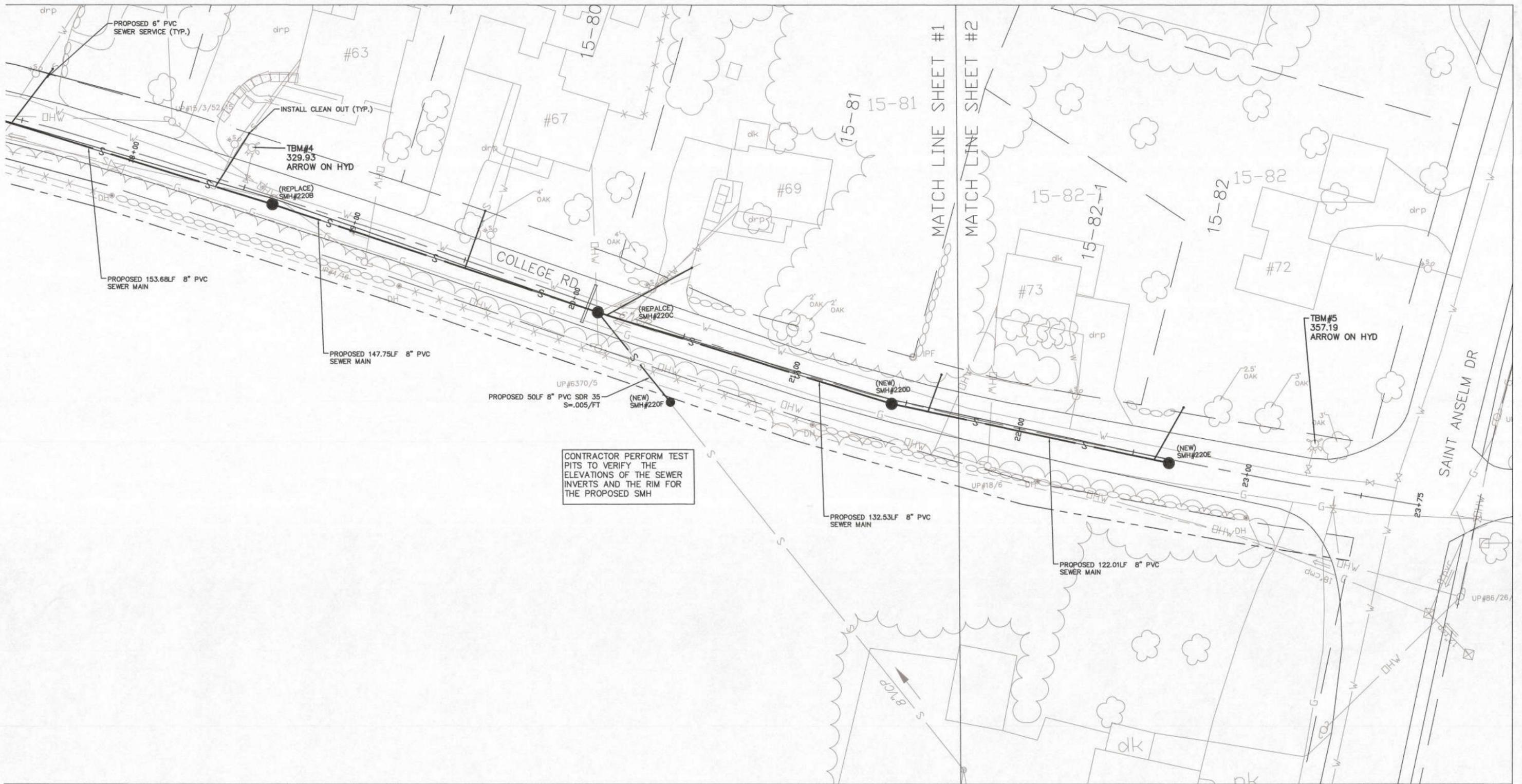
2016  
**SEWER REPLACEMENT PROJECT**

PLAN VIEW  
COLLEGE ROAD  
GOFFSTOWN, NH

PREPARED BY:  
TOWN OF GOFFSTOWN

DEPARTMENT OF PUBLIC WORKS  
GOFFSTOWN, NEW HAMPSHIRE

PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 06-10-16	DWG#: S1	SHEET #1 OF 6



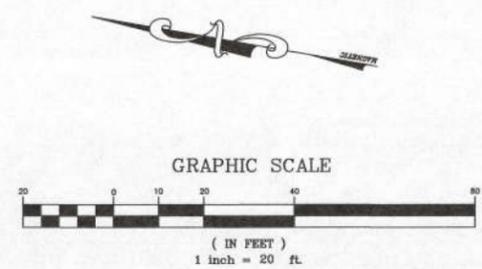
CONTRACTOR PERFORM TEST PITS TO VERIFY THE ELEVATIONS OF THE SEWER INVERTS AND THE RIM FOR THE PROPOSED SMH

**LEGEND:**

DRAIN PIPE .....		WATER LINE .....	
WATER .....		RETAINING WALL .....	
UTILITY POLE .....		STONE WALL .....	
UTILITY BOX .....		GUARDRAIL .....	
LIGHT POLE .....		RAILROAD .....	
HYDRANT .....		POOL .....	
CATCH BASIN .....		PAVED ROAD .....	
SEWER .....		UNPAVED ROAD .....	
MANHOLE .....		SIDEWALK .....	
TREELINE .....		TRAIL .....	
FENCE .....		STRUCTURE .....	
CULVERT .....		WETLAND .....	

**GENERAL NOTES:**

- HOLD POLES AS NEEDED DURING CONSTRUCTION.
- INSTALL 2' RIGID INSULATION IF COVER IS LESS THAN 6'.
- INSTALL 2" OF HOT BIT PAVEMENT (BASE COURSE 3/4") AND 6" OF CRUSHED GRAVEL ON COLLEGE RD AND GLENRIDGE AVE.
- INSTALL 4" OF PAVEMENT (BASE 2.5" + TOP 1.5") WITH 1' CRUSHED GRAVEL ON LAUREL ST, WARREN AVE, AND PINEHILL AVE.
- SECOND WATER MAIN (ABANDONED) IS NOT SHOWN ON PLAN AS LOCATION IS UNKNOWN.



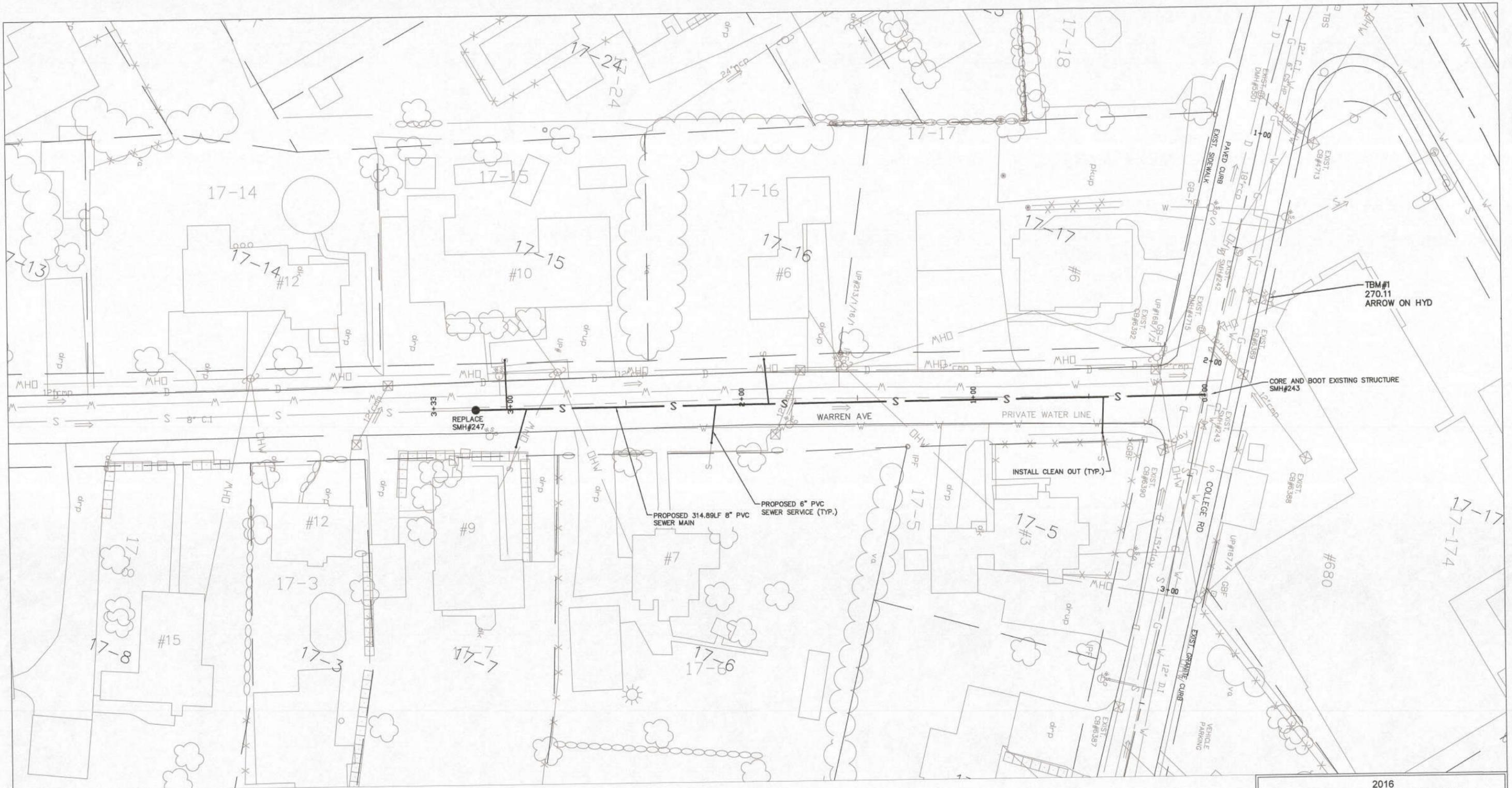
2016  
SEWER REPLACEMENT PROJECT

PLAN VIEW  
COLLEGE ROAD  
GOFFSTOWN, NH

PREPARED BY:  
TOWN OF GOFFSTOWN

DEPARTMENT OF PUBLIC WORKS  
GOFFSTOWN, NEW HAMPSHIRE

PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 06-10-16	DWG#: S2	SHEET #2 OF 6

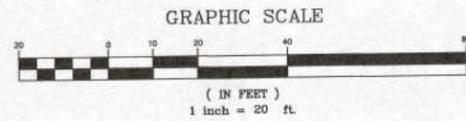


**LEGEND:**

DRAIN PIPE .....		WATER LINE .....	
WATER .....		RETAINING WALL .....	
UTILITY POLE .....		STONE WALL .....	
UTILITY BOX .....		GUARDRAIL .....	
LIGHT POLE .....		RAILROAD .....	
HYDRANT .....		POOL .....	
CATCH BASIN .....		PAVED ROAD .....	
SEWER .....		UNPAVED ROAD .....	
MANHOLE .....		SIDEWALK .....	
TREELINE .....		TRAIL .....	
FENCE .....		STRUCTURE .....	
CULVERT .....		WETLAND .....	

**GENERAL NOTES:**

- HOLD POLES AS NEEDED DURING CONSTRUCTION.
- INSTALL 2" RIGID INSULATION IF COVER IS LESS THAN 6".
- INSTALL 2" OF HOT BIT PAVEMENT (BASE COURSE 3/4") AND 6" OF CRUSHED GRAVEL ON COLLEGE RD AND GLENRIDGE AVE.
- INSTALL 4" OF PAVEMENT (BASE 2.5" + TOP 1.5") WITH 1" CRUSHED GRAVEL ON LAUREL ST, WARREN AVE, AND PINEHILL AVE.
- SECOND WATER MAIN (ABANDONED) IS NOT SHOWN ON PLAN AS LOCATION IS UNKNOWN.



<b>2016 SEWER REPLACEMENT PROJECT</b>		
<b>PLAN VIEW</b> WARREN AVE. GOFFSTOWN, NH		
<b>PREPARED BY:</b> <b>TOWN OF GOFFSTOWN</b> DEPARTMENT OF PUBLIC WORKS GOFFSTOWN, NEW HAMPSHIRE		
PROJ MANAGER: MET DATE: 06-10-16	CHECKED BY: MET DWG#: S3	DRAWN BY: MOY SHEET #3 OF 6

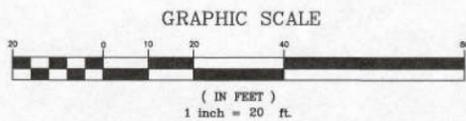


**LEGEND:**

DRAIN PIPE .....		WATER LINE .....	
WATER .....		RETAINING WALL .....	
UTILITY POLE .....		STONE WALL .....	
UTILITY BOX .....		RAILROAD .....	
LIGHT POLE .....		POOL .....	
HYDRANT .....		PAVED ROAD .....	
CATCH BASIN .....		UNPAVED ROAD .....	
SEWER .....		SIDEWALK .....	
MANHOLE .....		TRAIL .....	
TREELINE .....		STRUCTURE .....	
FENCE .....		WETLAND .....	
CULVERT .....			

**GENERAL NOTES:**

- HOLD POLES AS NEEDED DURING CONSTRUCTION.
- INSTALL 2" RIGID INSULATION IF COVER IS LESS THAN 6".
- INSTALL 2" OF HOT BIT PAVEMENT (BASE COURSE 3/4") AND 6" OF CRUSHED GRAVEL ON COLLEGE RD AND GLENRIDGE AVE.
- INSTALL 4" OF PAVEMENT (BASE 2.5" + TOP 1.5") WITH 1" CRUSHED GRAVEL ON LAUREL ST, WARREN AVE, AND PINEHILL AVE.
- SECOND WATER MAIN (ABANDONED) IS NOT SHOWN ON PLAN AS LOCATION IS UNKNOWN.



**2016 SEWER REPLACEMENT PROJECT**

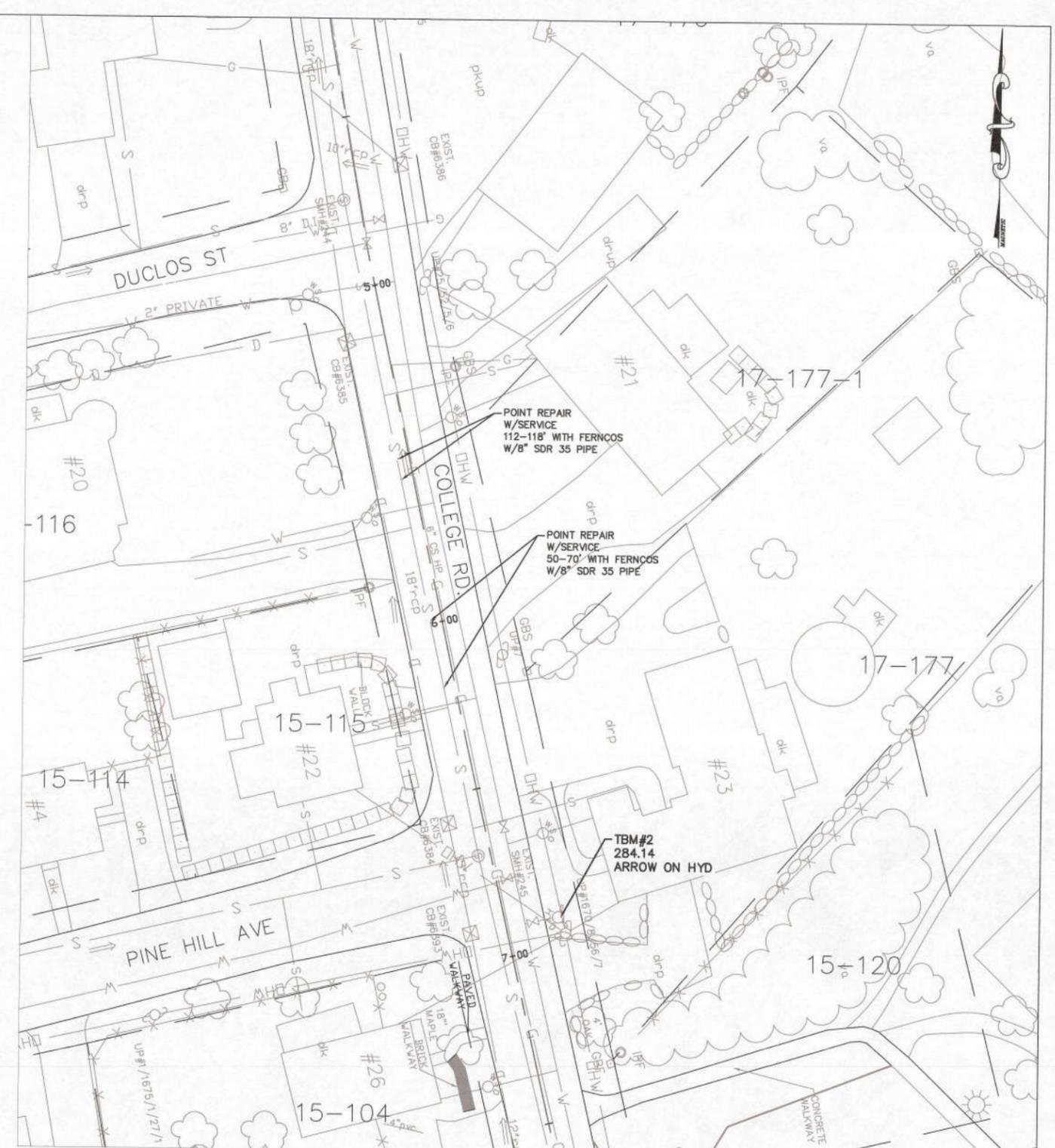
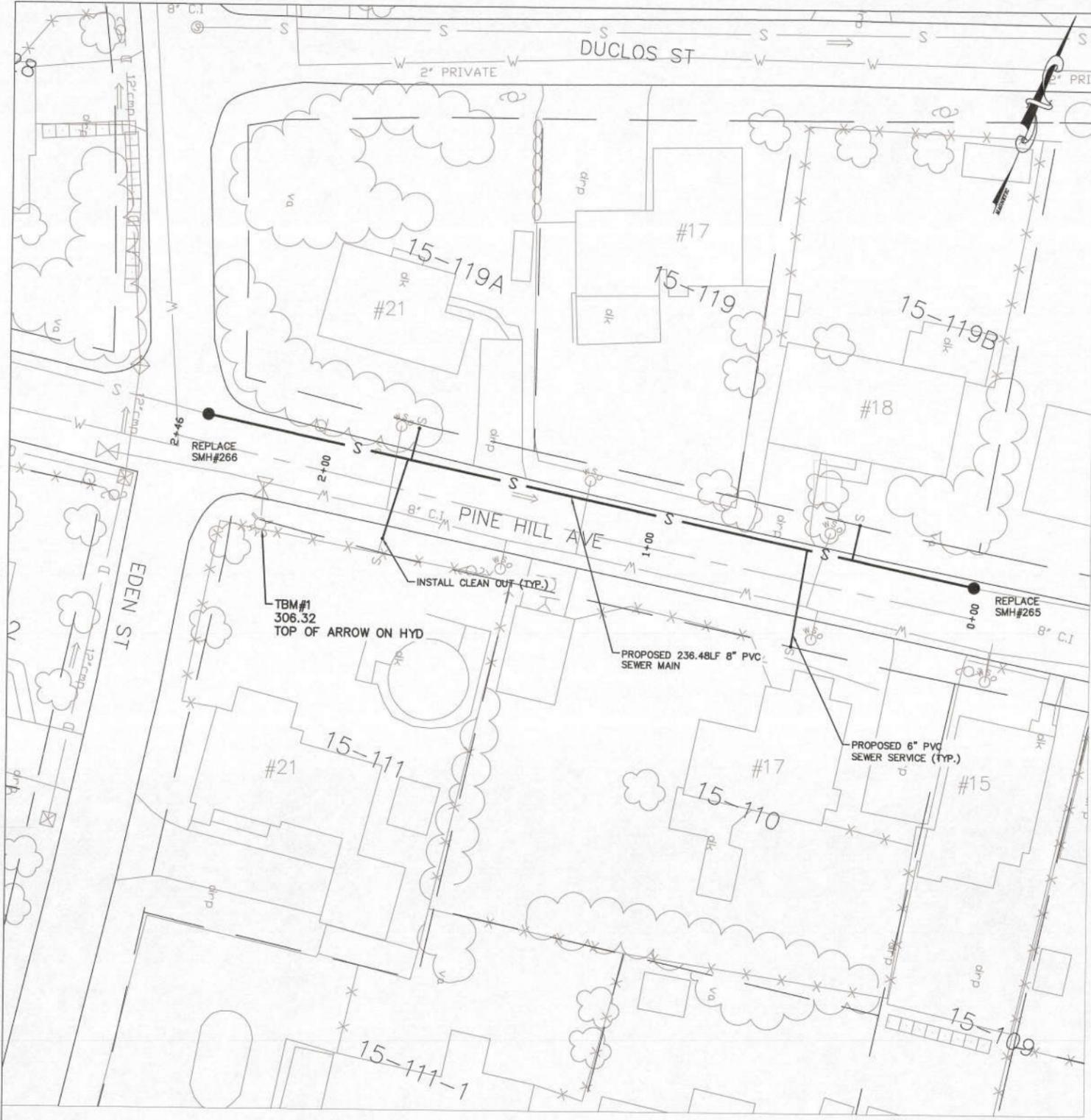
**PLAN VIEW**

LAUREL STREET  
GOFFSTOWN, NH

PREPARED BY:  
TOWN OF GOFFSTOWN

DEPARTMENT OF PUBLIC WORKS  
GOFFSTOWN, NEW HAMPSHIRE

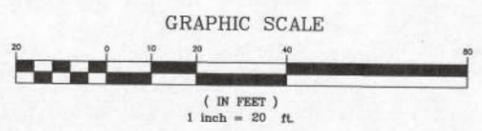
PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 06-10-16	DWG#: S4	SHEET #4 OF 6



**LEGEND:**

DRAIN PIPE .....		WATER LINE .....	
WATER .....		RETAINING WALL .....	
UTILITY POLE .....		STONE WALL .....	
UTILITY BOX .....		GUARDRAIL .....	
LIGHT POLE .....		RAILROAD .....	
HYDRANT .....		POOL .....	
CATCH BASIN .....		PAVED ROAD .....	
SEWER .....		UNPAVED ROAD .....	
MANHOLE .....		SIDEWALK .....	
TREELINE .....		TRAIL .....	
FENCE .....		STRUCTURE .....	
CULVERT .....		WETLAND .....	

- GENERAL NOTES:**
- HOLD POLES AS NEEDED DURING CONSTRUCTION.
  - INSTALL 2" RIGID INSULATION IF COVER IS LESS THAN 6'.
  - INSTALL 2" OF HOT BIT PAVEMENT (BASE COURSE 3/4") AND 6" OF CRUSHED GRAVEL ON COLLEGE RD AND GLENRIDGE AVE.
  - INSTALL 4" OF PAVEMENT (BASE 2.5" + TOP 1.5") WITH 1" CRUSHED GRAVEL ON LAUREL ST, WARREN AVE, AND PINEHILL AVE.
  - SECOND WATER MAIN (ABANDONED) IS NOT SHOWN ON PLAN AS LOCATION IS UNKNOWN.



**2016  
SEWER REPLACEMENT PROJECT**

**PLAN VIEW**

PINEHILL AVE. AND COLLEGE RD.  
GOFFSTOWN, NH

---

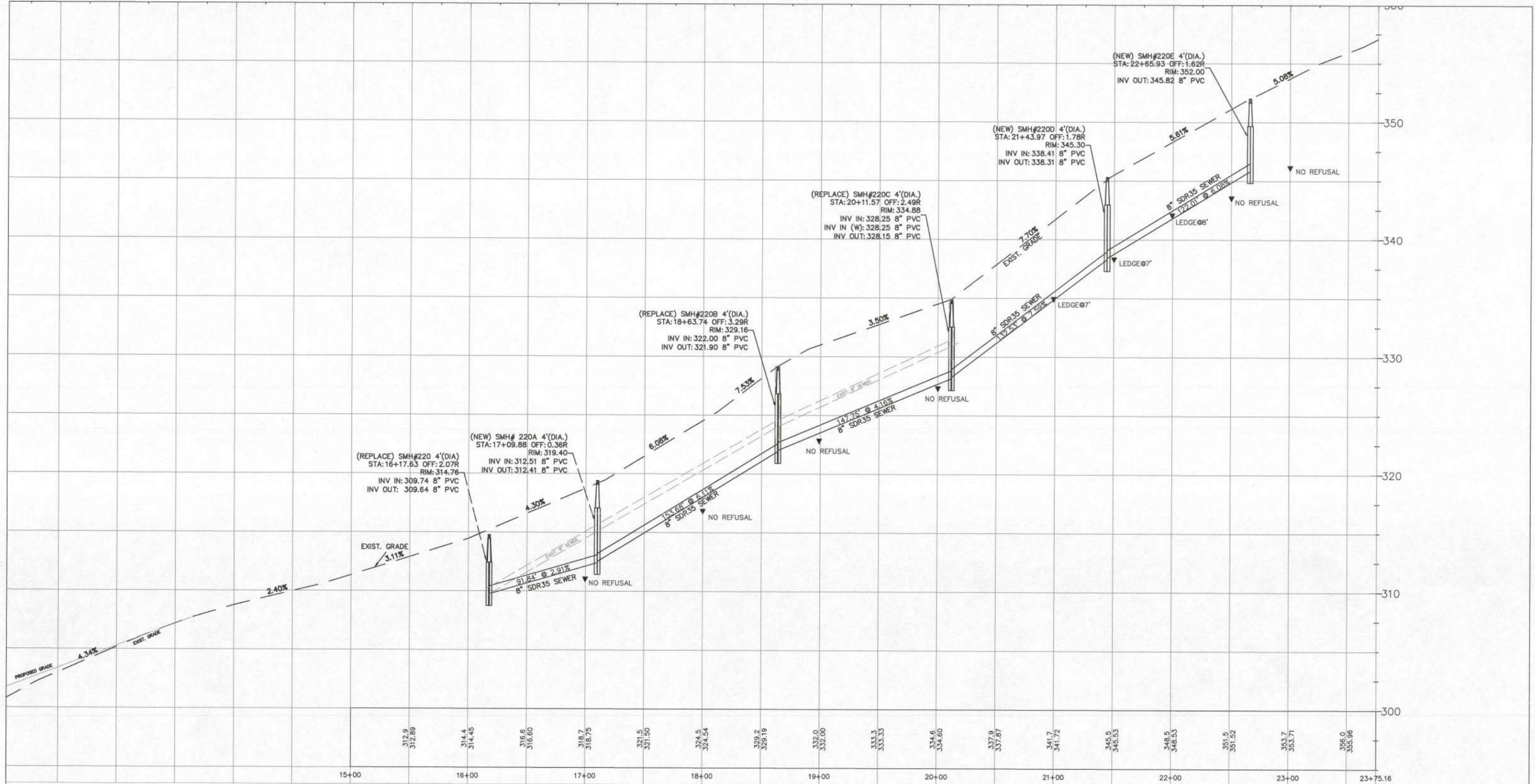
PREPARED BY:  
**TOWN OF GOFFSTOWN**

DEPARTMENT OF PUBLIC WORKS  
GOFFSTOWN, NEW HAMPSHIRE

---

PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 06-10-16	DWG#: SS	SHEET #5 OF 6





PROFILE  
 VERT. 1"=4'  
 HORZ. 1"=40'  
 COLLEGE ROAD



2016  
 SEWER REPLACEMENT PROJECT

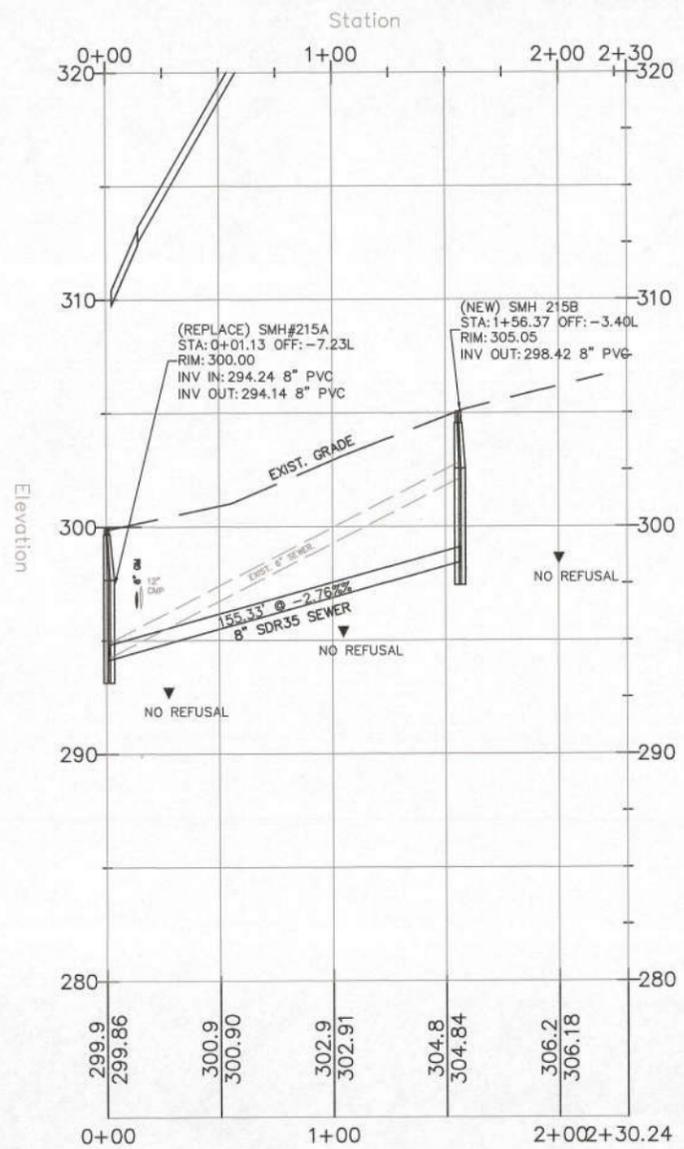
PROFILE VIEW  
 COLLEGE ROAD  
 GOFFSTOWN, NH

PREPARED BY:  
 TOWN OF GOFFSTOWN

DEPARTMENT OF PUBLIC WORKS  
 GOFFSTOWN, NEW HAMPSHIRE

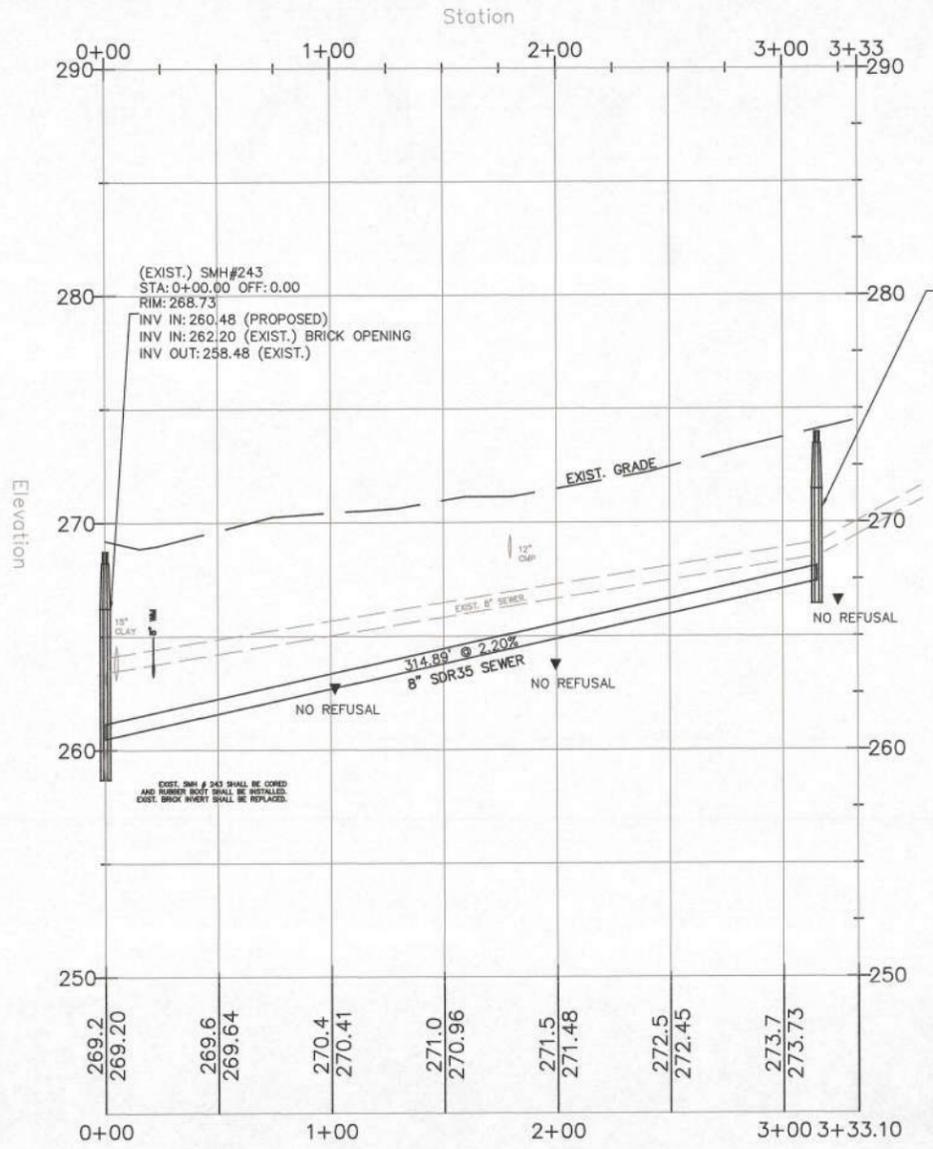
PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 06-10-16	DWG#: SP1	SHEET #1 OF 2

NO.	DATE	DESCRIPTION



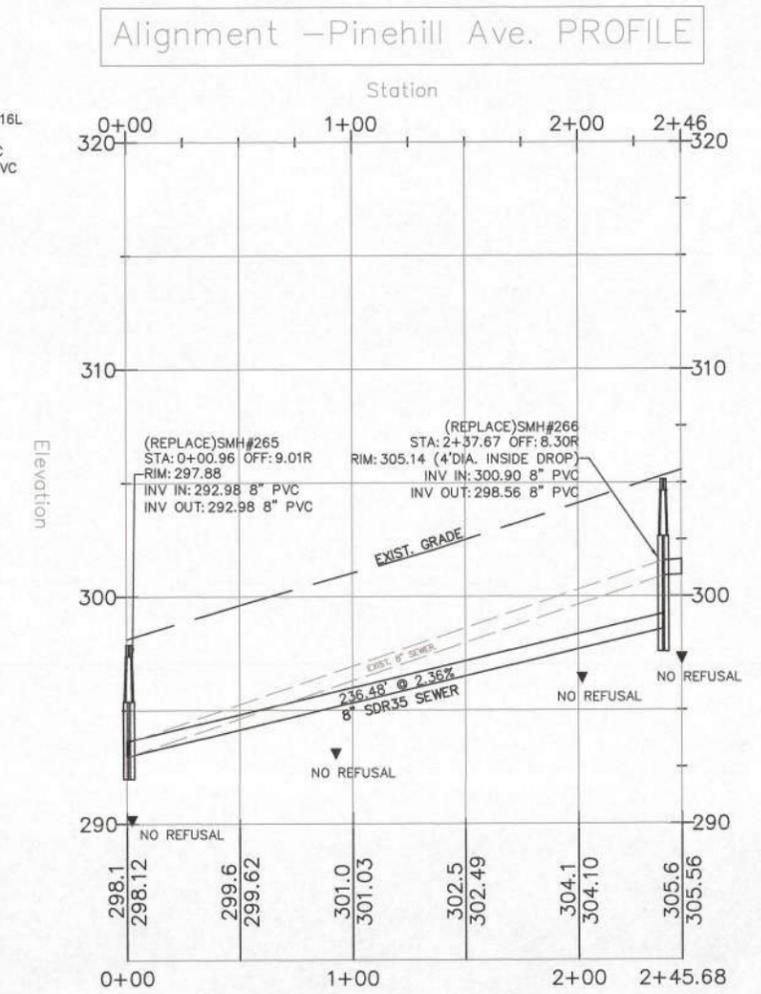
PROFILE  
VERT. 1"=4'  
HORZ. 1"=40'

LAUREL STREET



PROFILE  
VERT. 1"=4'  
HORZ. 1"=40'

WARREN AVE.



PROFILE  
VERT. 1"=4'  
HORZ. 1"=40'

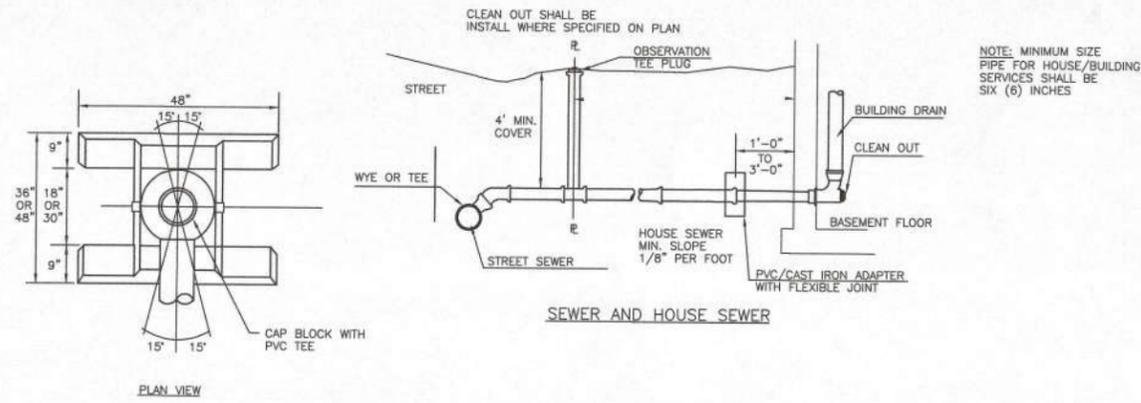
PINEHILL AVE.

PROFILE  
VERT. 1"=4'  
HORZ. 1"=40'

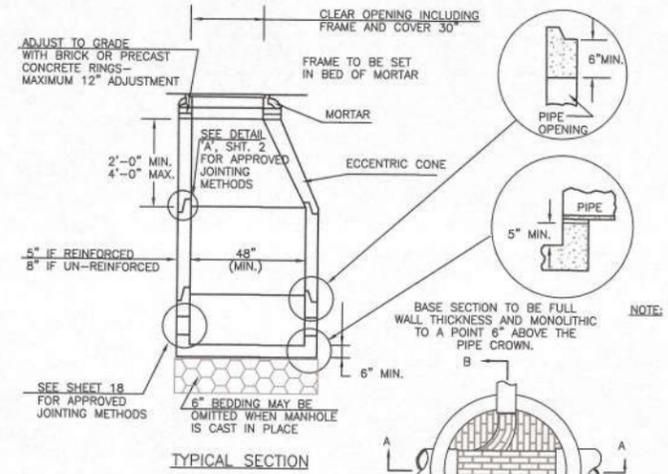
COLLEGE ROAD



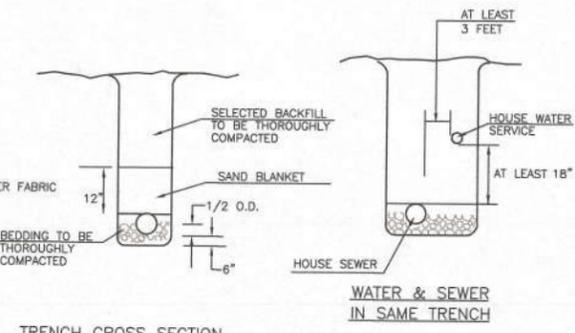
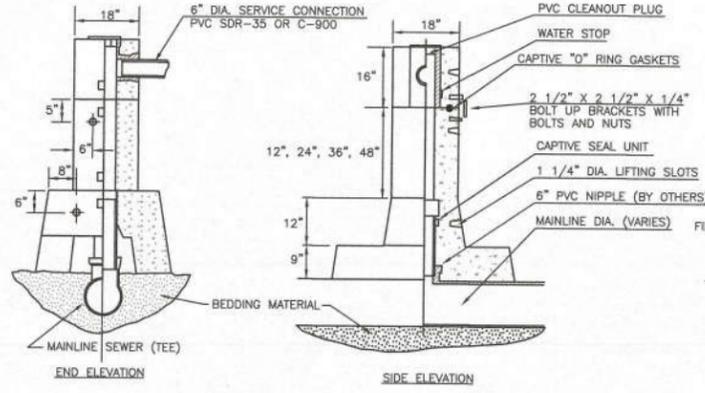
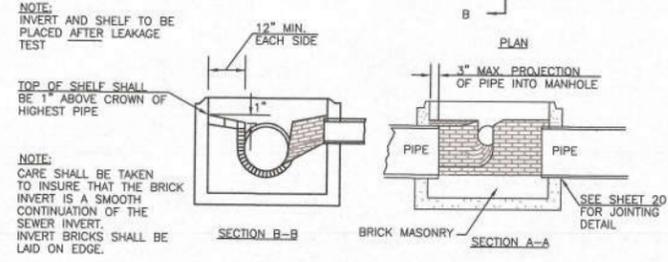
2016 SEWER REPLACEMENT PROJECT		
PROFILE VIEW		
WARREN AVE.-LAUREL ST.-PINEHILL AVE. GOFFSTOWN, NH		
PREPARED BY: TOWN OF GOFFSTOWN		
DEPARTMENT OF PUBLIC WORKS GOFFSTOWN, NEW HAMPSHIRE		
PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 06-10-16	DWG#: SP2	SHEET #2 OF 2



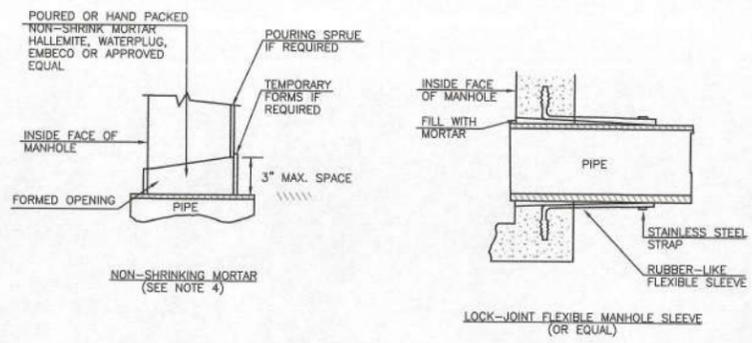
NOTE: MINIMUM SIZE PIPE FOR HOUSE/BUILDING SERVICES SHALL BE SIX (6) INCHES



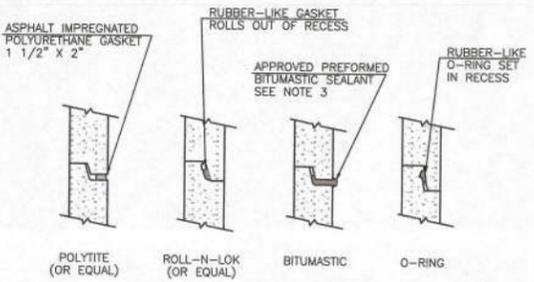
- NOTES:
1. THE MANHOLE, INCLUDING ALL COMPONENT PARTS, SHALL HAVE ADEQUATE SPACE, STRENGTH AND LEAKPROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE, SPACE REQUIREMENTS AND CONFIGURATIONS, SHALL BE AS SHOWN ON THE DRAWING. MANHOLES MAY BE AN ASSEMBLY OF PRECAST SECTIONS, WITH OR WITHOUT STEEL REINFORCEMENT, WITH ADEQUATE JOINTING, OR CONCRETE CAST MONOLITHICALLY IN PLACE WITH OR WITHOUT REINFORCEMENT. THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND LOADS OF 8 TONS (H-20 LOADING) WITHOUT FAILURE.
  2. INVERTS AND SHELVES, MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF PIPE AND FLOW. AT CHANGES IN DIRECTION, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  3. SHALLOW MANHOLE, IN LIEU OF A CONE SECTION, WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER SHALL BE USED, WHERE INDICATED, HAVING AN ECCENTRIC ENTRANCE OPENING AND CAPABLE OF SUPPORTING H-20 LOADS.



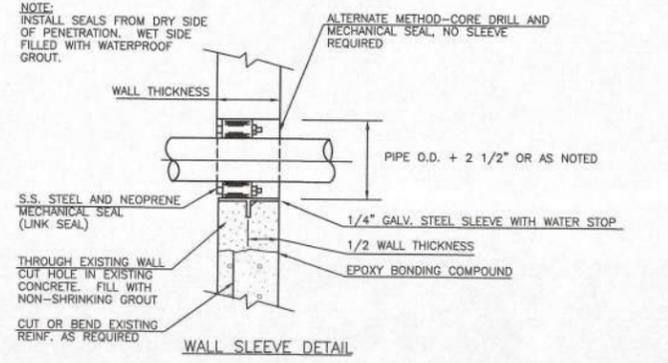
HOUSE SEWER DETAILS SEWER MANHOLE DETAIL



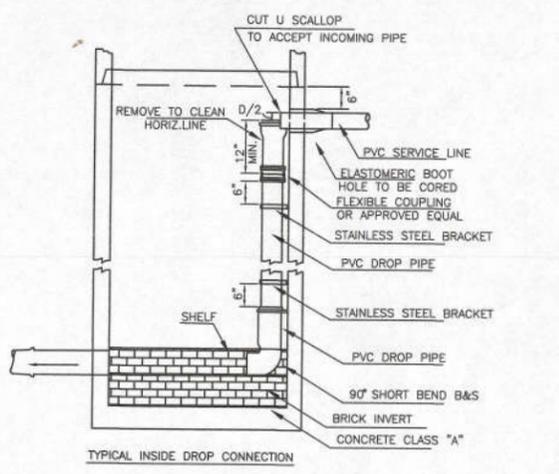
- NOTES:
1. HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF A TYPE APPROVED BY THE ENGINEER, WHICH TYPE SHALL, IN GENERAL, DEPEND FOR WATERTIGHTNESS UPON AN ELASTOMERIC OR MASTIC-LIKE GASKET SHALL BE DOUBLE ROW.
  2. PIPE TO MANHOLE JOINTS SHALL BE ONLY AS APPROVED BY THE ENGINEER AND IN GENERAL, WILL DEPEND FOR WATERTIGHTNESS UPON ELASTOMERIC SEALANT.
  3. FOR BITUMASTIC TYPE JOINTS THE AMOUNT OF SEALANT SHALL BE SUFFICIENT TO FILL AT LEAST 75% OF THE JOINT CAVITY.
  4. NON-SHRINKING MORTAR SHALL ONLY BE USED WHERE SPECIFICALLY APPROVED BY THE ENGINEER.



NOTE: ALL GASKETS AND SEALANTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND NHDES DESIGN STANDARDS



SEWER MANHOLE DETAIL



**2016 SEWER REPLACEMENT PROJECT**  
**CONSTRUCTION DETAILS**  
**GOFFSTOWN, NH**

PREPARED BY  
 TOWN OF GOFFSTOWN  
 DEPARTMENT OF PUBLIC WORKS  
 GOFFSTOWN, NEW HAMPSHIRE

NO.	DATE	DESCRIPTION	BY

PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 3-15-16	DWG #: DET-1	SHEET #1 OF 3

**ROAD DESIGN REQUIREMENTS**

ROAD GRADE (MIN.) 1/2%  
 ROAD GRADE (MAX.) 5%  
 GRADE WITHIN 100' OF INTERSECTION 2%  
 MINIMUM ANGLE AT INTERSECTION 60 DEG.  
 CENTERLINE RADIUS - CURVES (MIN.) 325'  
 TANGENT LENGTHS (MIN.) 100'  
 EDGE OF PAVEMENT RADIUS (MIN.) 25'  
 DESIGN SPEED (LOCAL ROADS) 35 MPH

**NOTES:**

- ALL ROAD DESIGNS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING DESIGN STANDARDS:  
 NHDOT - HIGHWAY DESIGN MANUAL  
 AASHTO - "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS".
- ANGLE OF INTERSECTION MAY BE MODIFIED, SUBJECT TO APPROVAL OF THE PLANNING BOARD.

**ROADWAY PAVEMENT THICKNESSES**

BINDER COURSE 2.5" (MIN.)  
 WEARING COURSE 1.5" (MIN.)

**NOTES:**

- BINDER AND WEARING COURSES SHALL NOT BE CONSTRUCTED IN THE SAME SEASON UNLESS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

**MAXIMUM SIDE SLOPES**

DISTANCE TO ORIGINAL GROUND	S1	S2
0 - 10'	4:1	3:1
10' - 20'	3:1	2:1
> 20'	2:1	2:1
LEDGE	-	1:2

**NOTES:**

- IF SLOPE S1 IS STEEPER THAN 4:1 AND/OR THE DISTANCE FROM THE EDGE OF SHOULDER TO ORIGINAL GROUND IS LESS THAN 10 FT (HORIZONTAL), GUARDRAIL SHALL BE PROVIDED.

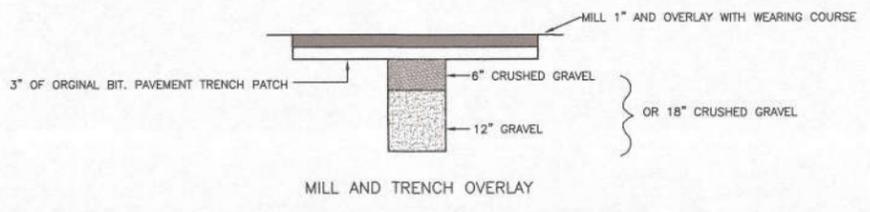
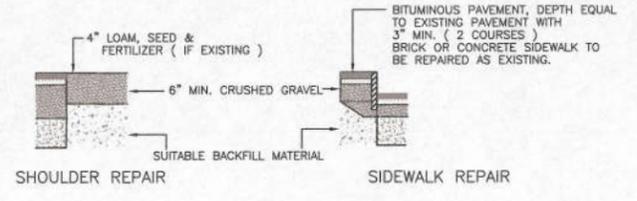
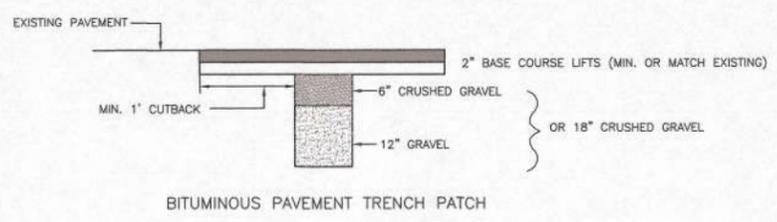
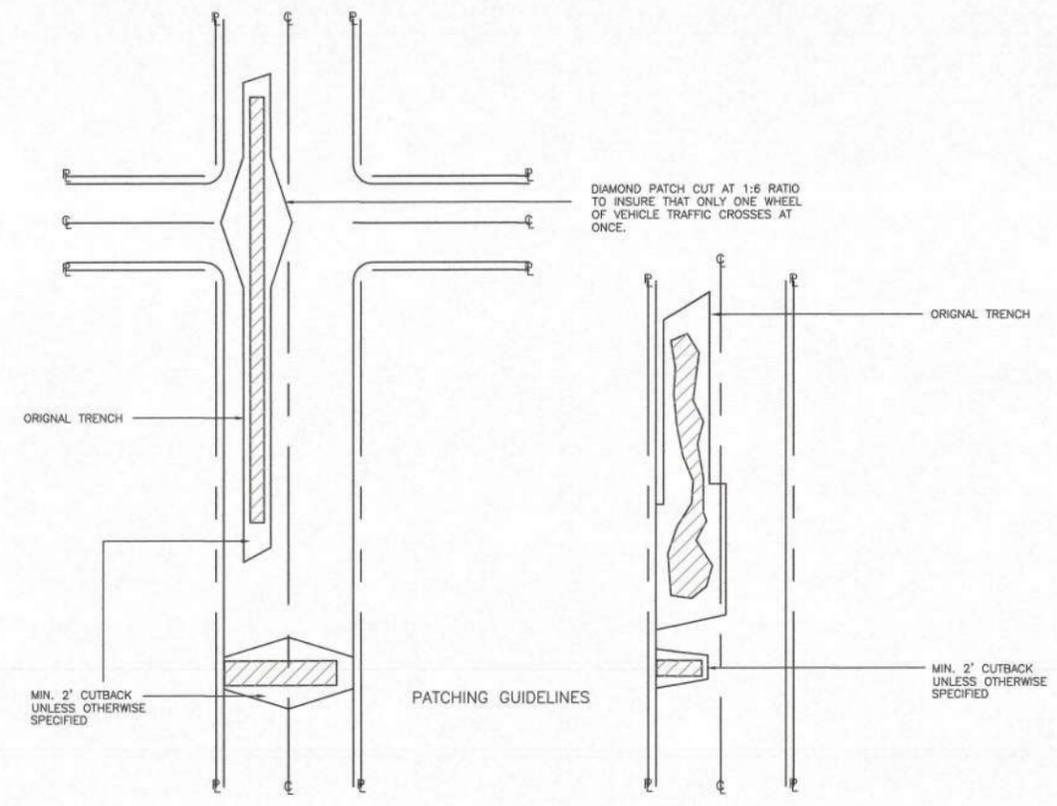
**GENERAL ROAD CONSTRUCTION NOTES**

- REMOVE ALL LOAM, CLAY, MUCK, STUMPS, AND OTHER IMPROPER ROAD FOUNDATION MATERIAL WITHIN 3' OF SUBGRADE. REPLACE WITH COMPACTED GRANULAR FILL MATERIAL ACCEPTABLE TO THE DIRECTOR OF PUBLIC WORKS. COMPACTION TO BE AT LEAST 95% OF THE DRY WEIGHT AS DETERMINED BY STANDARD PROCTOR TESTING (ASTM 1557).
- ALL PAVEMENT, BASE MATERIALS AND WORKMANSHIP TO BE IN COMPLIANCE WITH N.H.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" APPROVED AND ADOPTED 1990.
- A 2' SHOULDER EXTENSION IS REQUIRED WHERE SLOPE S1 IS 2:1 TO PROVIDE FOR THE GUARD RAIL CONSTRUCTION AND SUPPORT.
- UNDERDRAIN PIPE SHALL BE PROVIDED IN ALL AREAS WHERE THE SEASONAL HIGH WATER TABLE IS WITHIN 5 FT OF FINISHED GRADE. THE PIPE SHALL DISCHARGE THROUGH A MORTARED RUBBLE MASONRY ENDWALL OR INTO A CATCH BASIN.
- AN EASEMENT SHALL BE PROVIDED BEYOND THE LIMITS OF THE RIGHT OF WAY, TO THE BOUNDARY OF THE EXISTING WETLAND, TO PROVIDE FOR MAINTENANCE OF THE DRAINAGE STRUCTURES.
- ALL ROAD SWALES SHALL BE LINED WITH RIP-RAP (2 LAYERS, 6-8" DIA., 3' EA. SIDE OF SWALE CENTERLINE) WHERE ROAD GRADE EXCEEDS 5%. WHERE ROAD GRADE IS LESS THAN 5%, EROSION CONTROL FABRIC SHALL BE INSTALLED AND EXTEND 3' EA. SIDE OF THE SWALE CENTERLINE.
- ALL UNDERGROUND FACILITIES AND TRANSFORMER SLABS SHALL BE LOCATED AT THE RIGHT OF WAY LINE, UNLESS OTHERWISE APPROVED BY THE PLANNING BOARD.

**TYPICAL RURAL ROAD CROSS SECTION**  
 NOT TO SCALE  
 DEPARTMENT OF PUBLIC WORKS

**REVISIONS**

NO.	DATE	DESCRIPTION	BY
1	10-04-02	REVISED DRAWING	MY
2	3-29-05	REVISED NOTES	MY



\* MILL AROUND ALL STRUCTURES AS REQUIRED

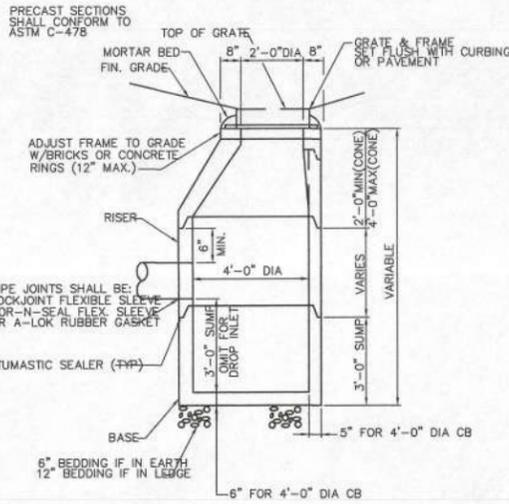


**2016 SEWER REPLACEMENT PROJECT**  
**CONSTRUCTION DETAILS**  
**GOFFSTOWN, NH**

PREPARED BY  
 TOWN OF GOFFSTOWN  
 DEPARTMENT OF PUBLIC WORKS  
 GOFFSTOWN, NEW HAMPSHIRE

NO.	DATE	DESCRIPTION	BY

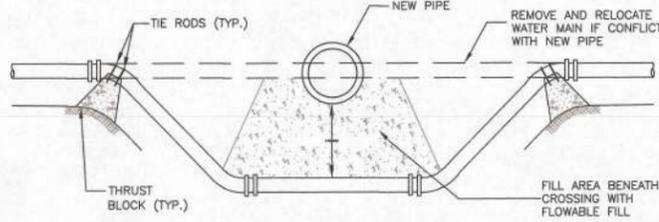
PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 3-15-16	DWG #: DET-2	SHEET #2 OF 3



Size	D	DIMENSIONS		WEIGHTS	
		L1	L	MJ x MJ	MJ x PE
4	6	19	27	75	70
4	12	22	30	85	80
4	18	30	38	105	100
4*	24	26	34	120	115
6	6	20	28	110	105
6	12	26	34	135	130
6	16	33	41	165	160
6*	24	24	32	165	160
8	6	21	29	160	155
8	12	28	36	200	195
8	16	35	43	245	240
8*	24	36	44	280	275
10	12	30	38	280	280
10	18	38	46	340	340
10	24	38	46	420	...
12	6	26	34	320	320
12	12	37	45	420	420
12	18	48	56	520	520
12*	24	48	56	640	630
16	12	40	48	715	690
16	18	50	58	850	830
20*	12	40	48	1025	...
20*	18	48	60	1275	...

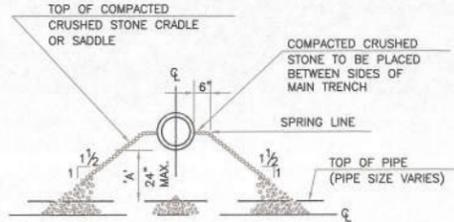
\*not included in AWWA C110

**PRECAST REINFORCED CATCH BASIN**  
NOT TO SCALE

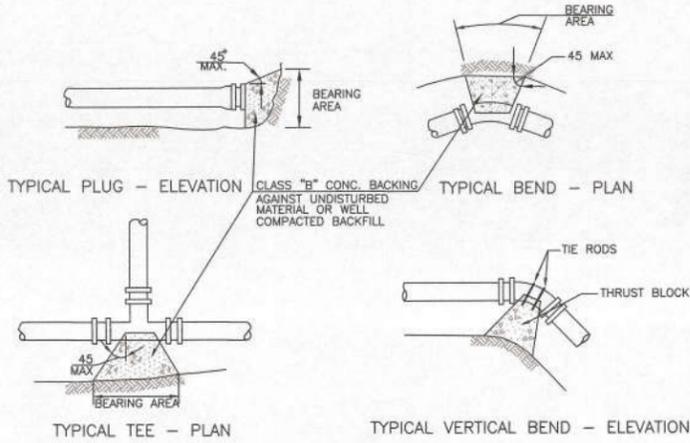


NOTE: ALL WATERMAIN WORK MUST BE COORDINATED WITH MANCHESTER WATER WORKS CLASS 52 D.I.

**WATER MAIN CROSSING**  
NOT TO SCALE



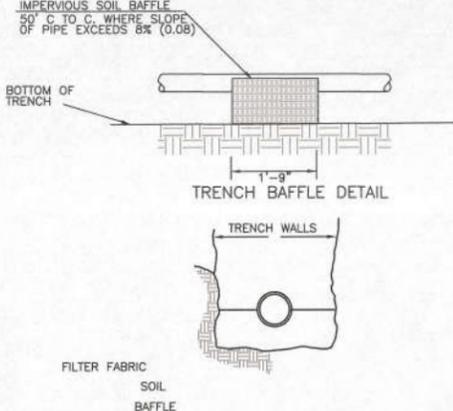
**PIPE CROSSING DETAIL**  
NOT TO SCALE



- BLOCK WIDTH SHALL BE EQUAL TO OR GREATER THAN TWICE THE BLOCK HEIGHT.
- PIPE JOINTS SHALL NOT BE ENCASED WITH CONC.

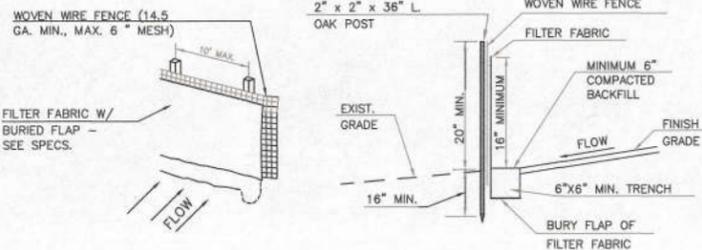
THRUST BLOCK BEARING AREAS (S.F.)						
PIPE SIZE	TEES	ENDS	90	45	22 1/2	11 1/4
6&8	6	8	4	2	1	1
12	12	16	9	5	2.5	2.5

NOTE: AREAS SHOWN ARE BASED ON PIPE WORKING PRESSURE OF 150 PSI AND SOIL BEARING PRESSURE OF 3000 PSF. OTHER VALUES AS DETERMINED BY THE ENGINEER MAY CAUSE BEARING AREAS TO CHANGE.



**TRENCH Baffle DETAIL**  
NOT TO SCALE

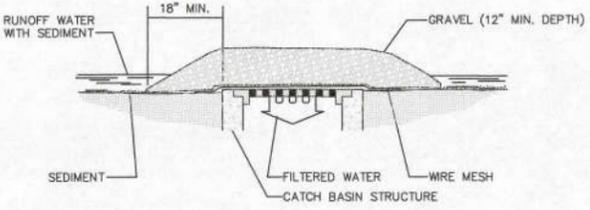
NOTE: TRENCH Baffle ARE ONLY INSTALLED WHERE REQUIRED BY THE ENGINEER



**NOTES FOR SILT FENCE**

- SPACING OF WOOD FENCE POSTS NOT TO EXCEED 10'-0".
- SILT FENCE SHALL BE INSTALLED BEFORE ANY EARTH REMOVAL OR EXCAVATION TAKES PLACE.
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO POSTS WITH WIRE TIES OR STAPLES AT TOP, MID-POINT AND BOTTOM.
- FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE.
- OVERLAP BY 6", FOLD AND STAPLE ADJOINING SECTIONS OF FILTER FABRIC.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND THE MATERIAL REMOVED WHEN "BULGES" DEVELOP. DO NOT DEPOSIT MATERIAL NEAR WETLANDS OR WATERCOURSES.

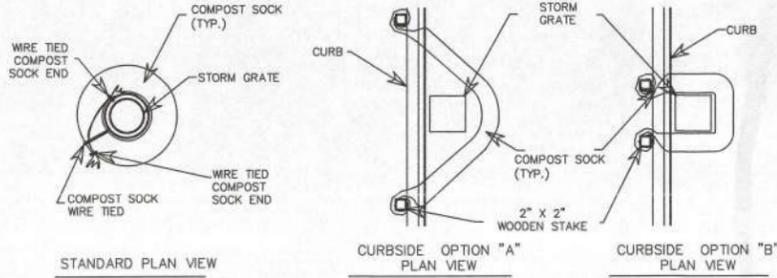
**SILT FENCE DETAIL**  
NOT TO SCALE



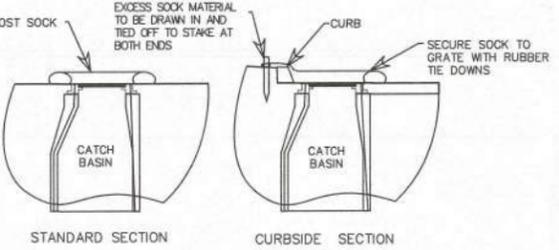
- A WIRE MESH SHALL BE PLACED OVER THE DROP INLET OR CURB OPENING SO THAT THE ENTIRE OPENING AND A MINIMUM OF 12 INCHES AROUND THE OPENING ARE COVERED BY THE MESH. THE MESH MAY BE ORDINARY HARDWARE CLOTH OR WIRE MESH WITH OPENINGS UP TO 1/4 INCH.
- THE WIRE MESH SHALL BE COVERED WITH CLEAN COARSE AGGREGATE SUCH AS CRUSHED STONE FOR A MINIMUM DEPTH OF 12 INCHES. CRUSHED STONE SHALL BE BEDDING STONE FOR SEWERS (ASTM STONE SIZE NO. 67). SEE SPECIFICATIONS.
- THE COARSE AGGREGATE SHALL EXTEND AT LEAST 18 INCHES BEYOND ALL SIDES OF THE CATCH BASIN/DRAIN OPENING.
- THIS SEDIMENTATION CONTROL SHALL BE UTILIZED AT ALL CATCH BASINS ENCOUNTERED.

**SEDIMENTATION CONTROL AT CATCH BASIN DETAIL**  
NOT TO SCALE

**THRUST BLOCK DETAILS**  
NOT TO SCALE



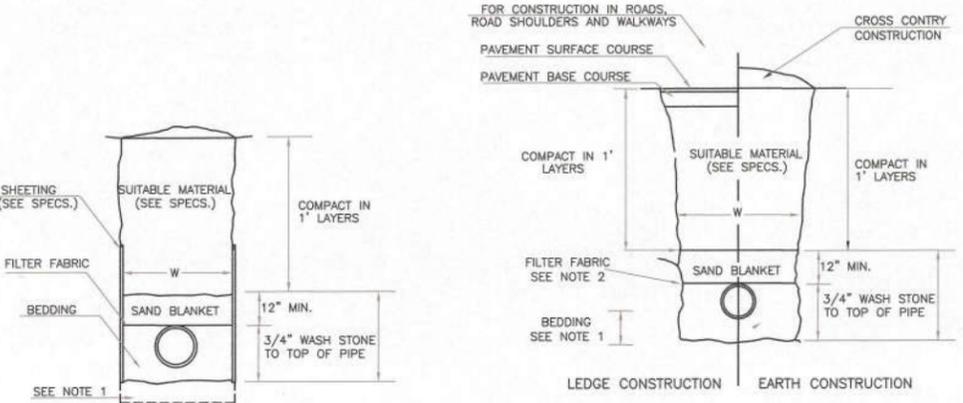
STANDARD PLAN VIEW, CURBSIDE OPTION "A" PLAN VIEW, CURBSIDE OPTION "B" PLAN VIEW



STANDARD SECTION, CURBSIDE SECTION

- NOTES:
- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS OR APPROVED EQUAL.
  - COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
  - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

**COMPOST SOCK INLET PROTECTION DETAIL**  
NOT TO SCALE

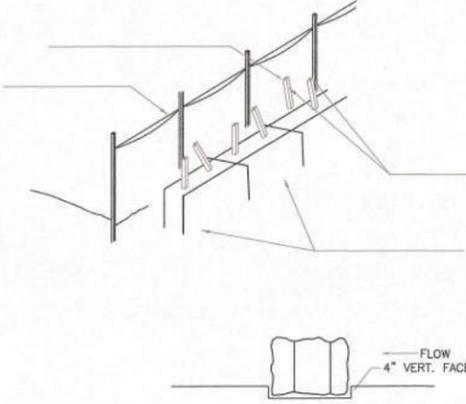


- NOTES:
- BEDDING: 6" BEDDING IN EARTH CONSTRUCTION. 12" BEDDING REQUIRED IF ON LEDGE.
  - FILTER FABRIC TO COVER ENTIRE TRENCH WIDTH. OVERLAP FABRIC ENDS BY 12".
  - TRENCH WIDTH: FOR 12" PIPES AND UNDER, TRENCH WIDTH SHALL BE 3 FEET MIN. FOR PIPES OVER 12", TRENCH WIDTH SHALL BE INSIDE PIPE DIAMETER PLUS 12" ON EACH SIDE OF PIPE.

**EARTH CONSTRUCTION WITH SHEETING**

**LEDGE/EARTH CONSTRUCTION DETAIL**

**SEWER AND STORM DRAIN PIPE DETAIL**  
NOT TO SCALE



- NOTES:
- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
  - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
  - BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARDS PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
  - INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

**STRAW BALE DETAIL**  
NOT TO SCALE



NO.	DATE	DESCRIPTION	BY

**2016 SEWER REPLACEMENT PROJECT**  
**CONSTRUCTION DETAILS**  
**GOFFSTOWN, NH**

PREPARED BY  
**TOWN OF GOFFSTOWN**  
**DEPARTMENT OF PUBLIC WORKS**  
**GOFFSTOWN, NEW HAMPSHIRE**

PROJ MANAGER: MET	CHECKED BY: MET	DRAWN BY: MOY
DATE: 3-15-16	DWG #: DET-3	SHEET #3 OF 3