

**STANDARD DETAILS**



**CITY OF DAWSONVILLE, GEORGIA**

# **STANDARD DETAILS**

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**CITY OF DAWSONVILLE, GEORGIA  
415 Highway 53 East  
Dawsonville, Georgia 30534  
Office: (706) 265- 3256**

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*Prepared by:*

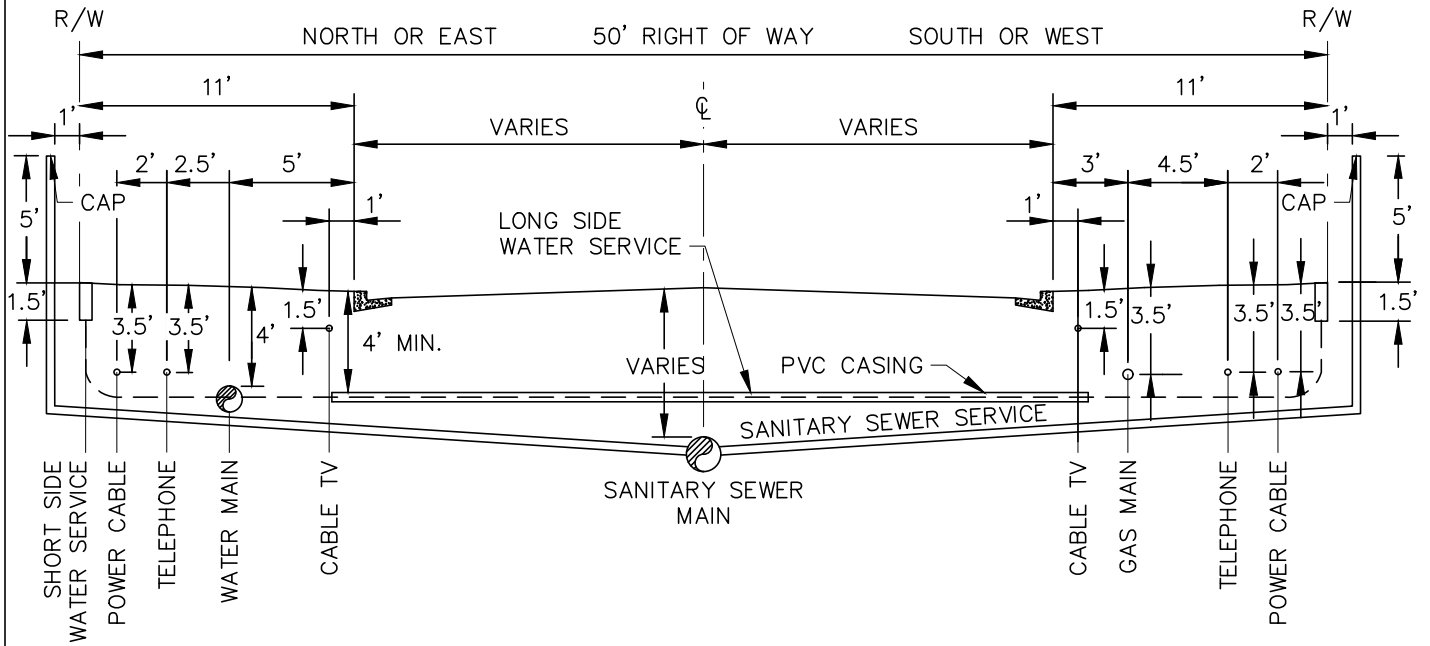


**Adopted:** December 6, 2021

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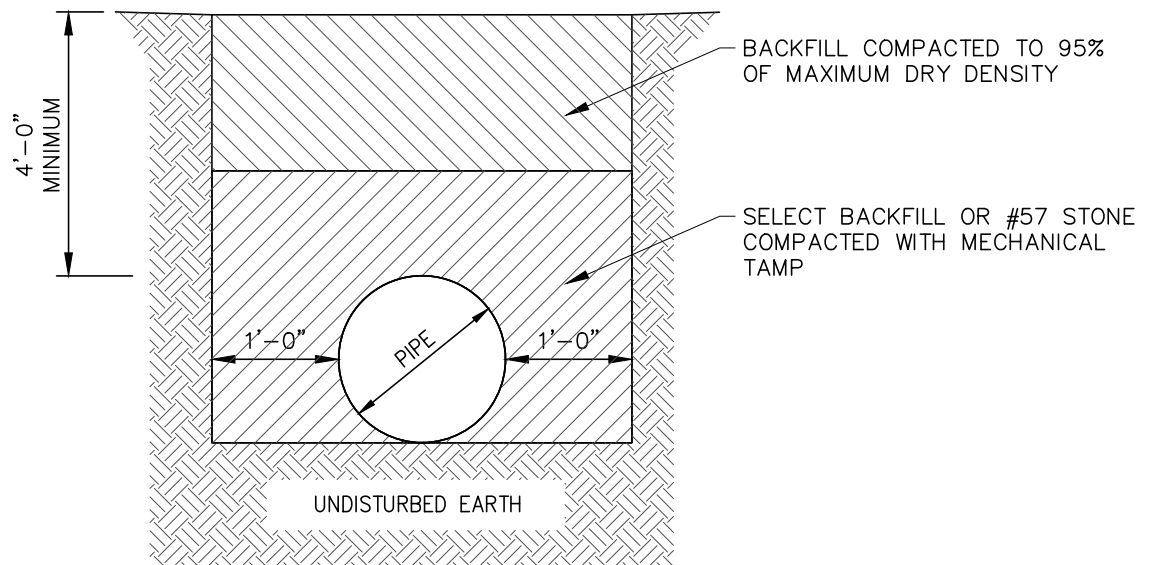
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**NOTE:**

1. ON ALL UNCURBED STREET, UTILITY LOCATIONS SHALL BE AT THE SAME DISTANCES FROM EDGE OF PAVEMENT AS SHOWN.
2. NO TREES OR FENCES ALLOWED WITHIN THE ROAD R/W OR UTILITY EASEMENT EXCEPT WHERE REQUIRED BY CITY, COUNTY, OR OTHER GOVERNMENT ORDINANCE.
3. ALL TREES SHALL BE CLEARED AND SHOULDERS GRADED WITHIN 6" OF FINAL GRADE (INCLUDING UTILITY EASEMENT) PRIOR TO THE INSTALLATION OF ANY UTILITIES.
4. PROPERTY CORNER REFERENCE SHALL BE PLACED ON CURB AND GUTTER AND ON 10' OFFSET STAKE.
5. WATER METERS SHALL BE MARKED WITH A BLUE "W" ON CURB AS SOON AS POSSIBLE AFTER INSTALL. SEWER LATERALS SHALL BE MARKED WITH A GREEN "S" ON CURB.
6. DEPTH REQUIREMENTS INDICATE MINIMUM DEPTH AT TIME OF INSTALLATION BELOW CURB LINE.
7. PEDESTALS, TRANSFORMERS AND SECURITY LIGHTS MUST BE OUTSIDE SIDEWALK LOCATIONS.

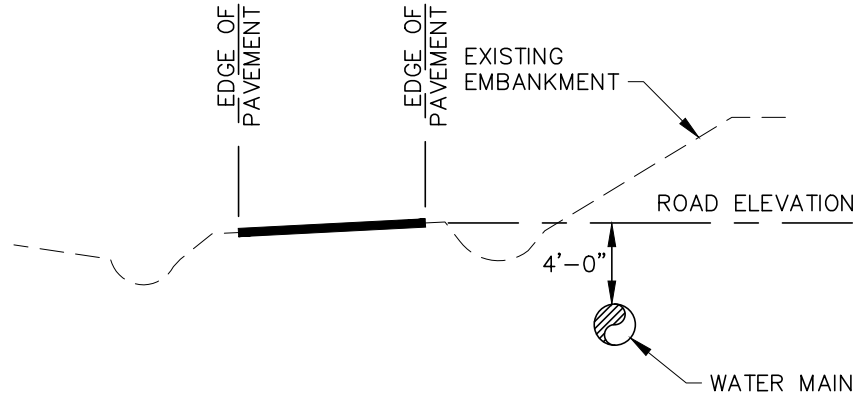
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>UNDERGROUND UTILITIES LOCATIONS</b>	<b>1.1</b>



**NOTE:**

1. UNSUITABLE SOILS ENCOUNTERED IN BOTTOM OF EXCAVATED TRENCH SHALL BE EXCAVATED & REPLACED WITH #57 STONE.
2. ONLY SUITABLE SOIL SHALL BE USED AS BACKFILL.

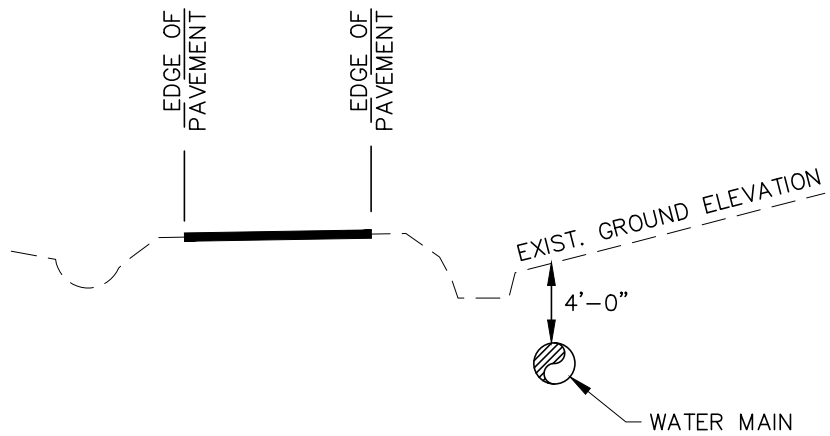
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL DUCTILE IRON WATER PIPE BEDDING</b>	<b>2.1</b>



NOTE:

1. UNLESS OTHERWISE NOTED ON PLANS MINIMUM SOIL COVER ABOVE PIPE IS 4 FEET.
2. PIPE SHALL BE INSTALLED IN THE BACK 5' OF R/W.

WHERE GROUND ELEVATION IS ABOVE ROAD ELEVATION

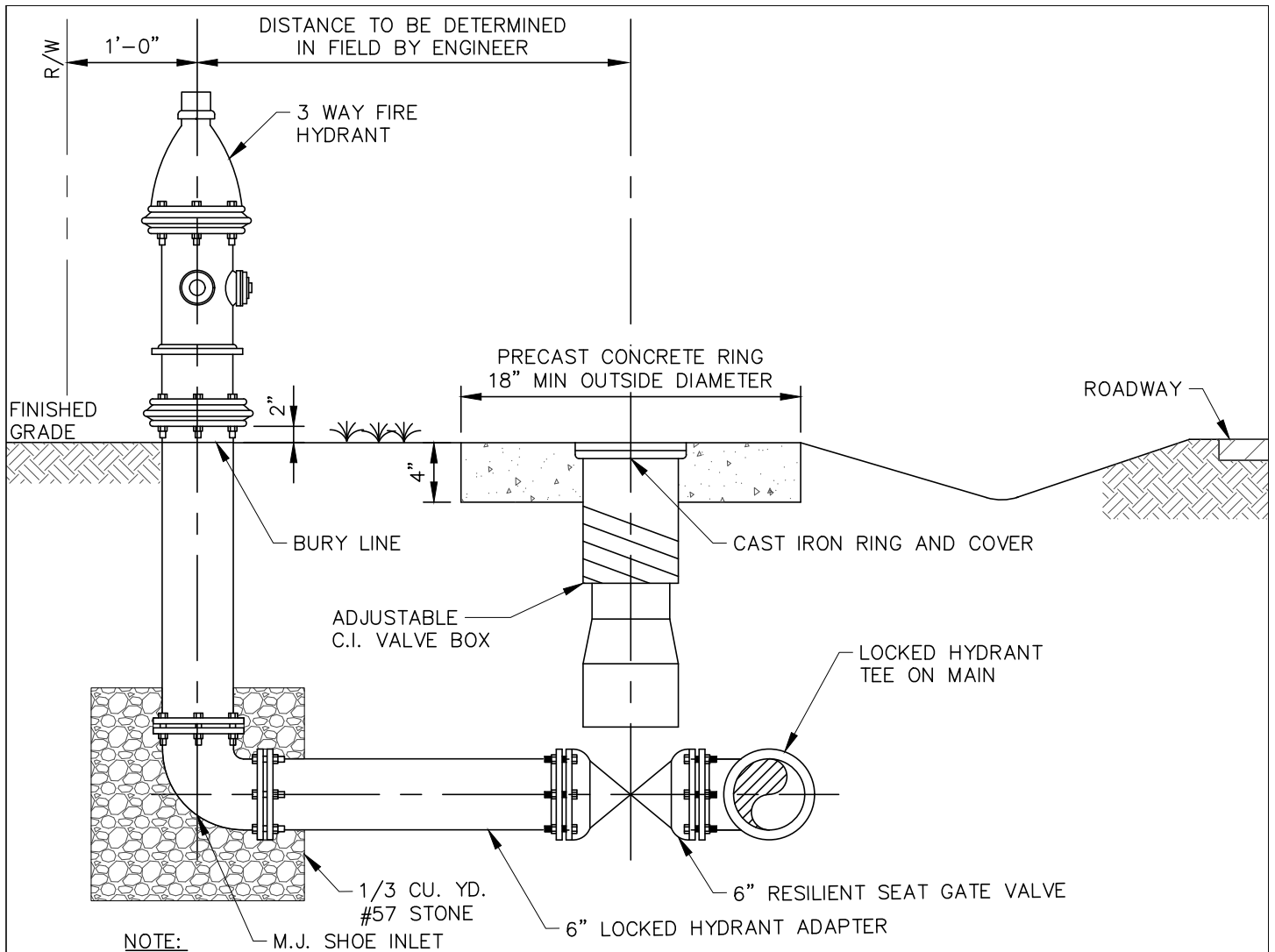


NOTE:

1. UNLESS OTHERWISE NOTED ON PLANS MINIMUM SOIL COVER ABOVE PIPE IS 4 FEET.
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WHERE GROUND ELEVATION IS BELOW ROAD ELEVATION

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>PIPE DEPTH AT EDGE OF PAVEMENT</b>	<b>3.1</b>

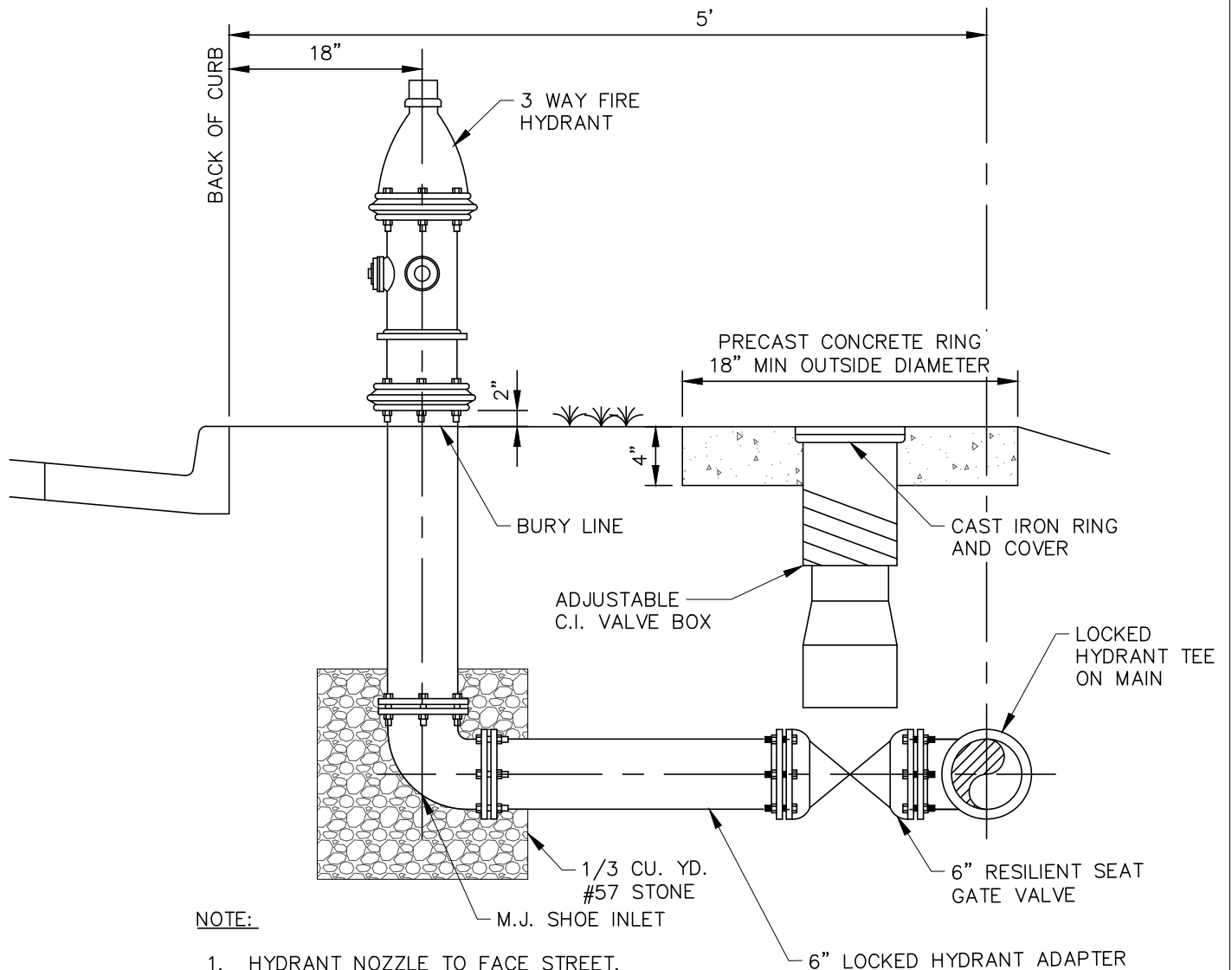


**NOTE:**

1. HYDRANT NOZZLE TO FACE STREET.
2. HYDRANT AND VALVE BOX SHALL BE SET PLUMB AND ADJUSTED TO GRADE.
3. ALL MATERIAL AND CONSTRUCTION SHALL BE I.A.W. THE SPECIFICATIONS.
4. FIRE HYDRANTS, VALVES & VALVE BOXES SHALL NOT BE LOCATED IN DITCH LINE.
5. ALL FIRE HYDRANT VALVES ARE TO HAVE 5 1/4" OPENINGS.
6. CONCRETE COLLAR REQ'D. WHERE VALVE BOX IS NOT LOCATED IN PAVED AREA.
7. GRAVEL TO BE PLACED AROUND HYDRANT DRAIN, MINIMUM DIMENSIONS 2' x 2' x 2.25'.
8. OFFSET ANCHOR ALLOWED TO ADJUST F.H. TO GRADE.
9. INSTALL 2" +/- ABOVE /BELOW GRADE.
10. WHERE LOCKED HYDRANT TEES OR LOCKED HYDRANT ADAPATORS CANNOT BE USED, D.I. PIPE SHALL BE RESTRAINED WITH MEGALUGS AND THREADED RODS.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL FIRE HYDRANT DETAIL</b>	<b>4.1</b>





**NOTE:**

1. HYDRANT NOZZLE TO FACE STREET.
2. HYDRANT AND VALVE BOX SHALL BE SET PLUMB AND ADJUSTED TO GRADE.
3. ALL MATERIAL AND CONSTRUCTION SHALL BE I.A.W. THE SPECIFICATIONS.
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**CITY OF DAWSONVILLE**

SCALE: NOT TO SCALE

DATE: OCTOBER 15, 2021

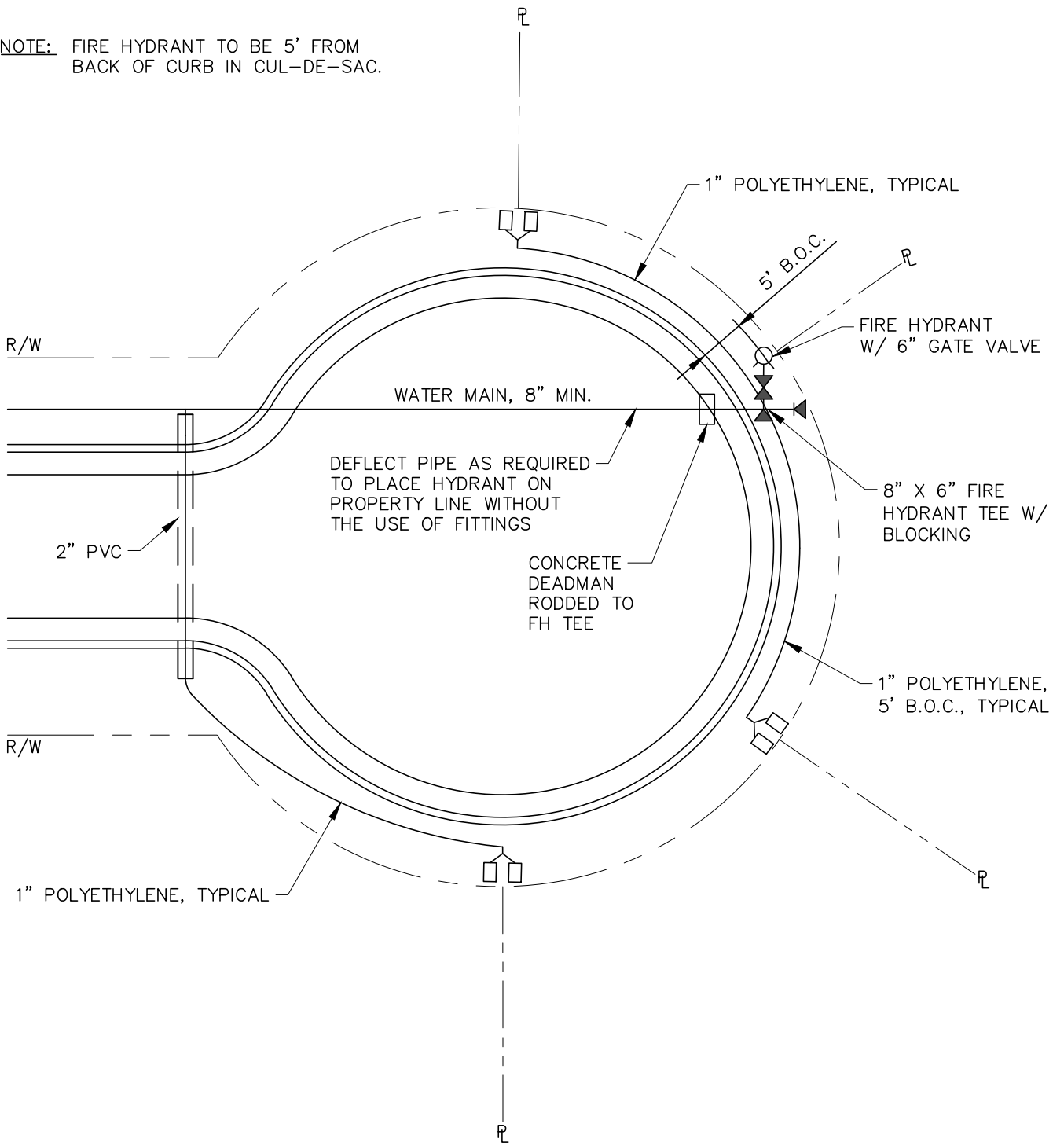
DETAIL TITLE

DETAIL NO.

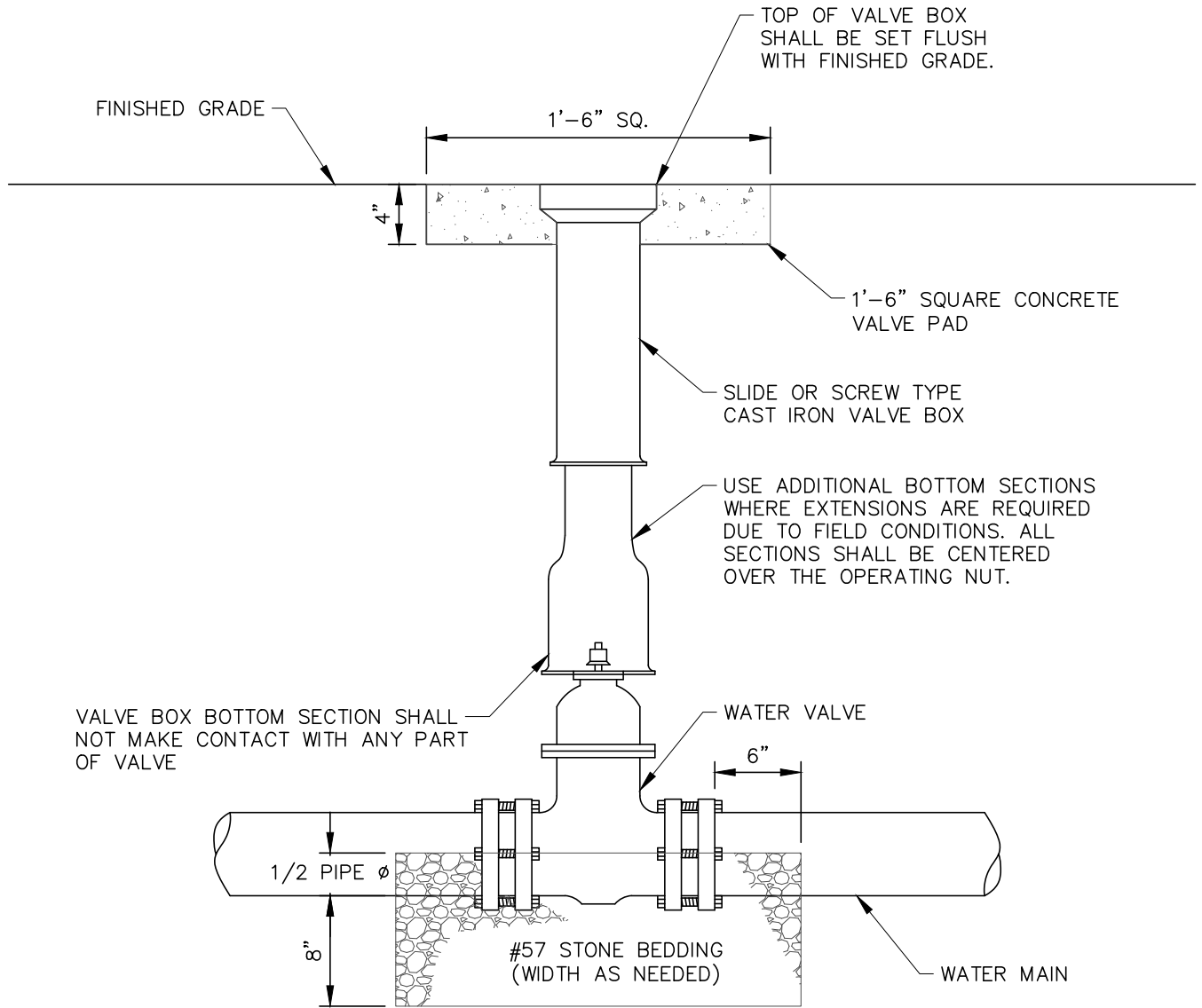
**FIRE HYDRANT DETAIL  
(CURBED STREET)**

**4.2**

NOTE: FIRE HYDRANT TO BE 5' FROM BACK OF CURB IN CUL-DE-SAC.



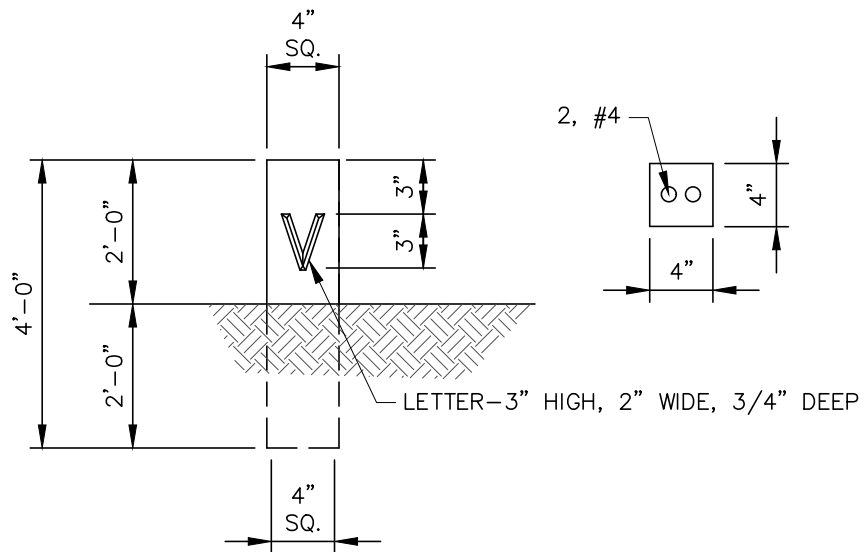
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>FIRE HYDRANT IN CUL-DE-SAC</b>	<b>5.1</b>



NOTE:

1. VALVE BOX SHALL NOT BE SET IN DEPRESSED AREA.
2. VALVE STEM EXTENSION REQUIRED IF VALVE IS OVER 5' DEEP.

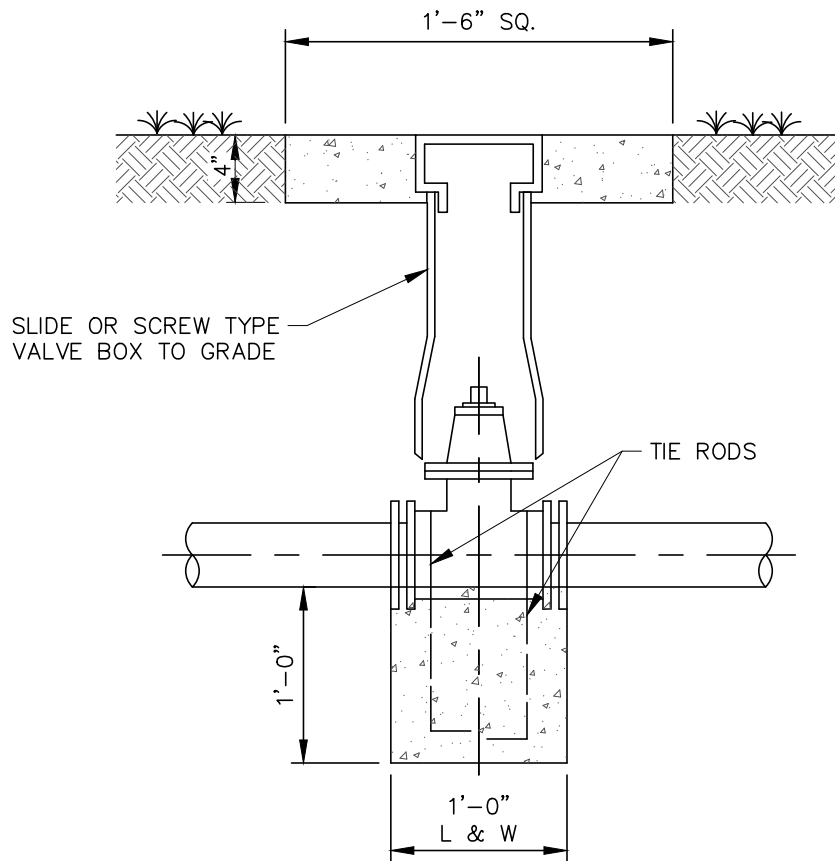
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>VALVE BOX DETAIL</b>	<b>6.1</b>



NOTE:

1. #5 x 2'-9" REBAR TO BE CAST IN CENTER.
2. CONCRETE SHALL BE MIN. 3,000 PSI W/ MAX. AGGREGATE SIZE OF 1/2".
3. VALVE MARKERS TO BE LOCATED BY THE ENGINEER.

CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
VALVE MARKER POST	6.2



CITY OF DAWSONVILLE

SCALE: NOT TO SCALE

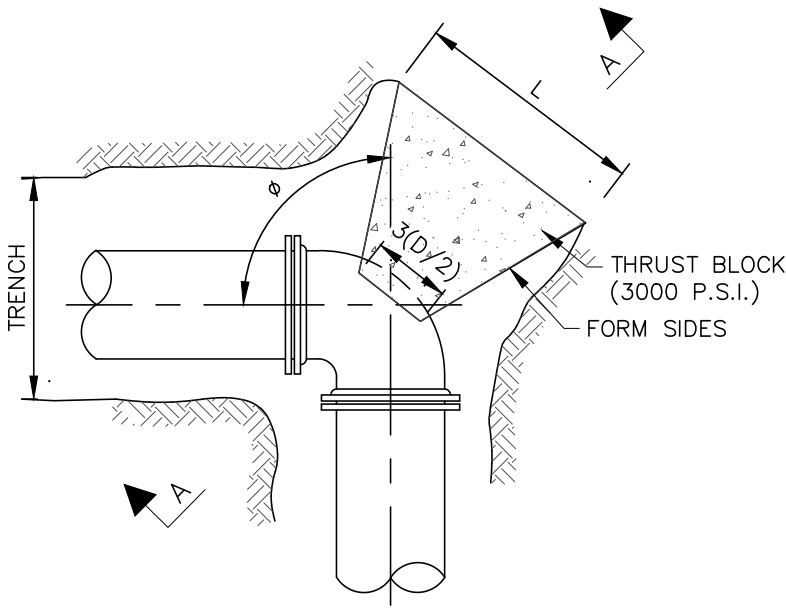
DATE: OCTOBER 15, 2021

DETAIL TITLE

DETAIL NO.

VALVE ANCHOR

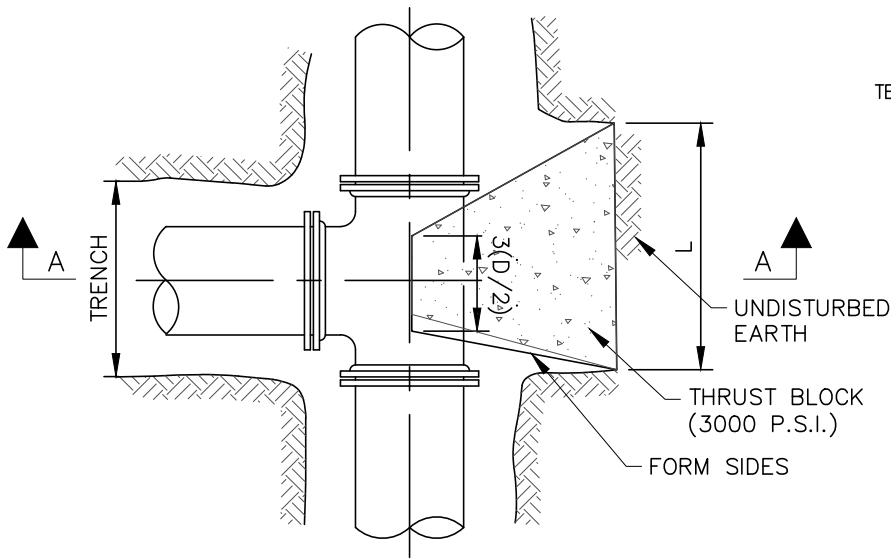
6.3



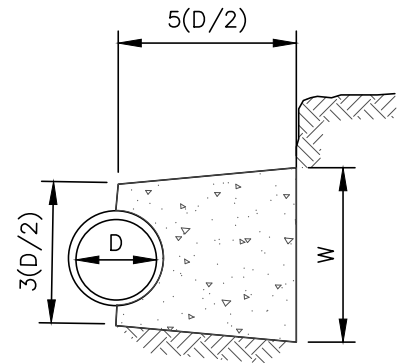
BEND PLAN

MINIMUM DIMENSIONS FOR CONCRETE BLOCKING

BEND	PIPE SIZE	$\frac{5D}{2}$	L	$\frac{3D}{2}$	W
11 1/4°	4"	10"	9"	6"	8"
	6"	15"	14"	9"	12"
	8"	20"	21"	12"	14"
	10"	25"	28"	15"	16"
	12"	30"	32"	18"	20"
	16"	40"	41"	24"	27"
22 1/2°	4"	10"	9"	6"	8"
	6"	15"	14"	9"	12"
	8"	20"	21"	12"	14"
	10"	30"	28"	15"	16"
	12"	40"	32"	18"	20"
	16"	40"	41"	24"	27"
45°	4"	10"	14"	6"	10"
	6"	15"	23"	9"	14"
	8"	20"	31"	12"	18"
	10"	30"	40"	15"	22"
	12"	40"	48"	18"	26"
	16"	40"	64"	24"	35"
90°	4"	10"	19"	6"	14"
	6"	15"	29"	9"	20"
	8"	20"	40"	12"	26"
	10"	30"	50"	15"	32"
	12"	40"	61"	18"	38"
	16"	40"	82"	24"	50"
TEE	4"	10"	15"	6"	12"
	6"	15"	23"	9"	18"
	8"	20"	31"	12"	24"
	10"	30"	38"	15"	30"
	12"	40"	46"	18"	36"
	16"	40"	61"	24"	48"
24"	60"	92"	36"	71"	



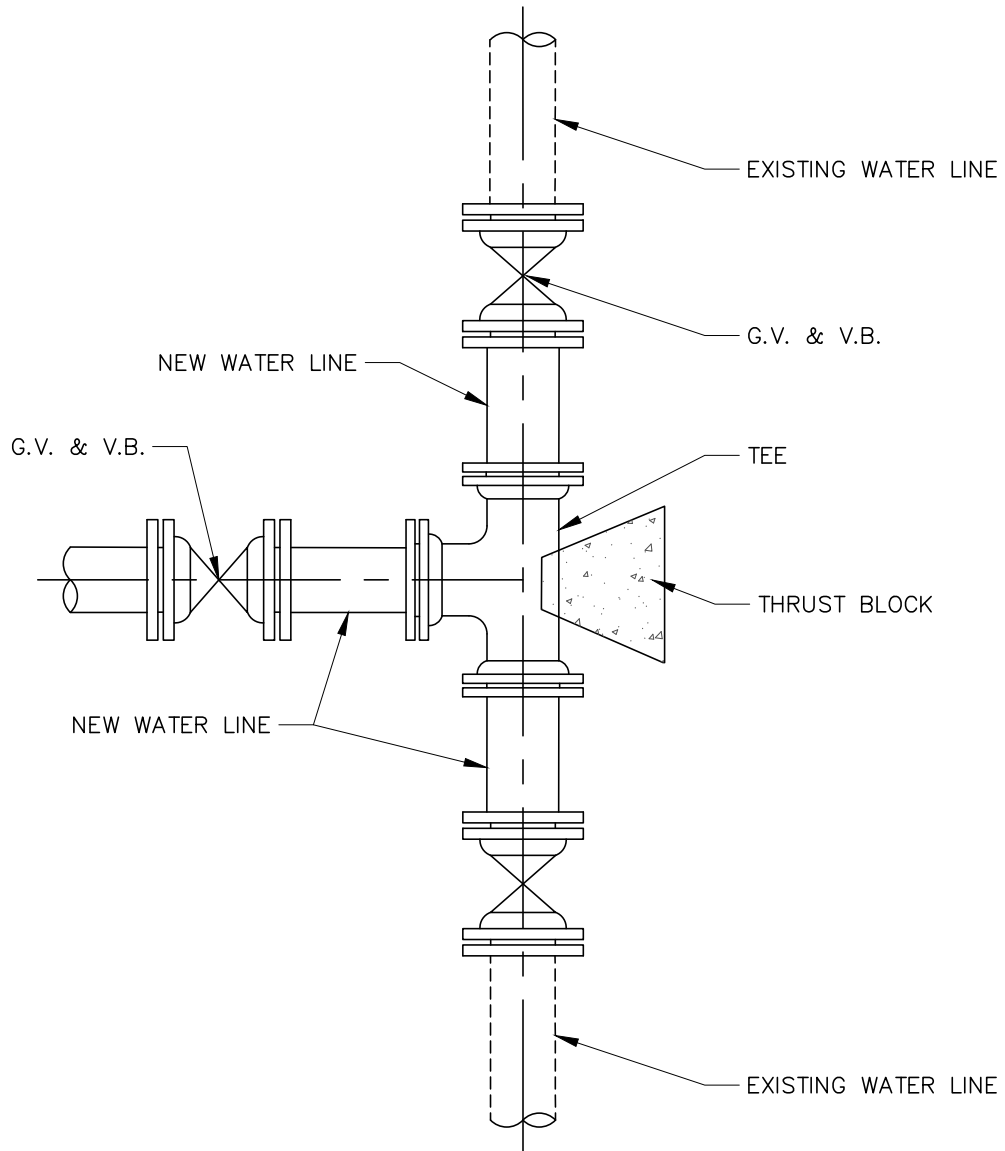
TEE PLAN



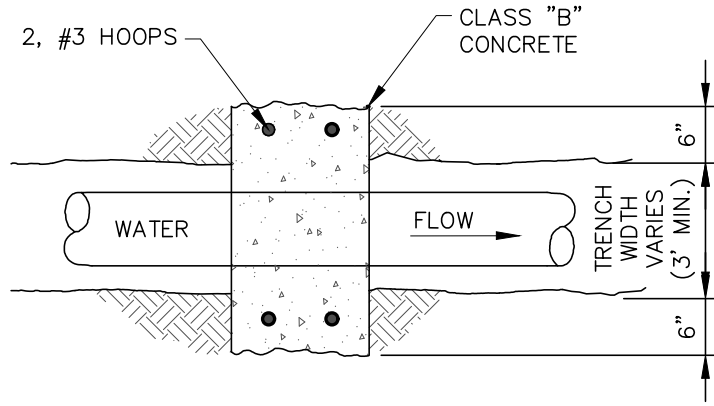
SECTION A-A

NOTE: INSTALL 6 MIL POLY BETWEEN CONCRETE AND FITTINGS.

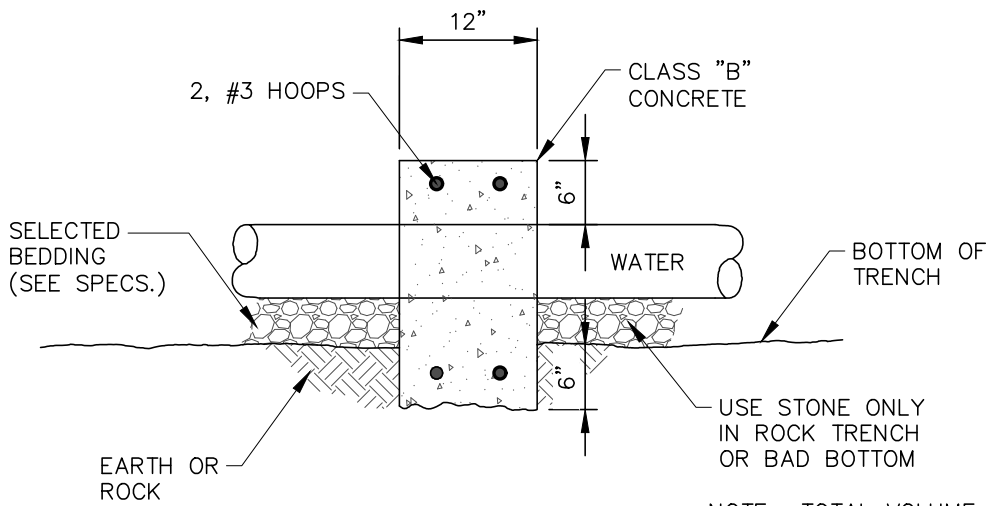
CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
THRUST BLOCK DIMENSIONS	7.1



<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>CONNECT TO EXISTING WATER LINE</b>	<b>7.2</b>



PLAN



SECTION

NOTE: TOTAL VOLUME OF CONCRETE SHALL BE MINIMUM 10 CU. FT.

CITY OF DAWSONVILLE

SCALE: NOT TO SCALE

DATE: OCTOBER 15, 2021

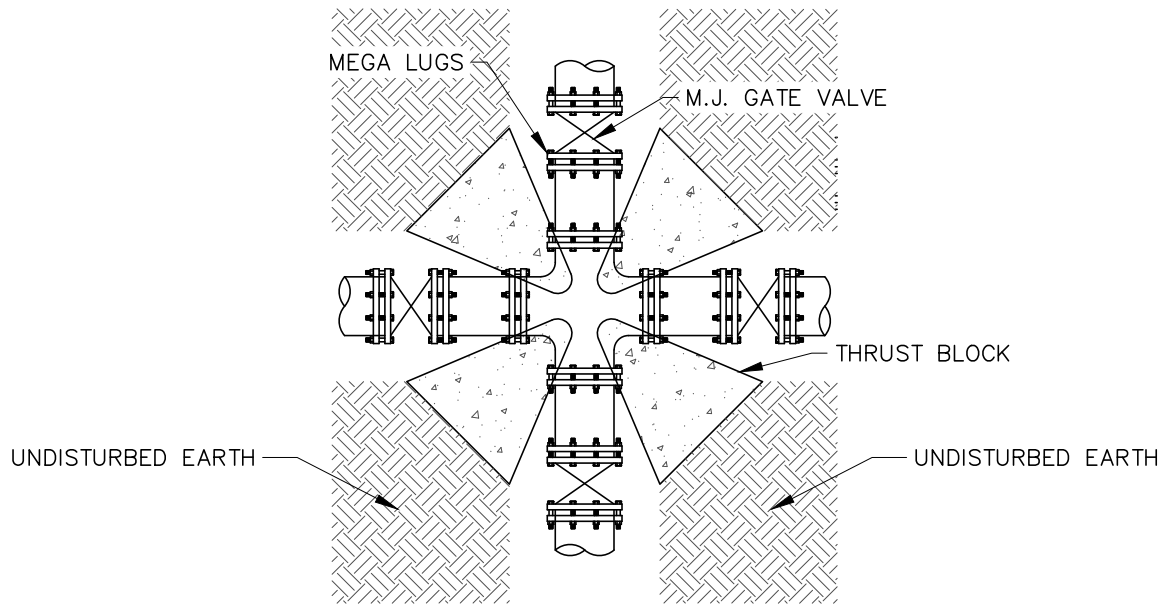
DETAIL TITLE

DETAIL NO.

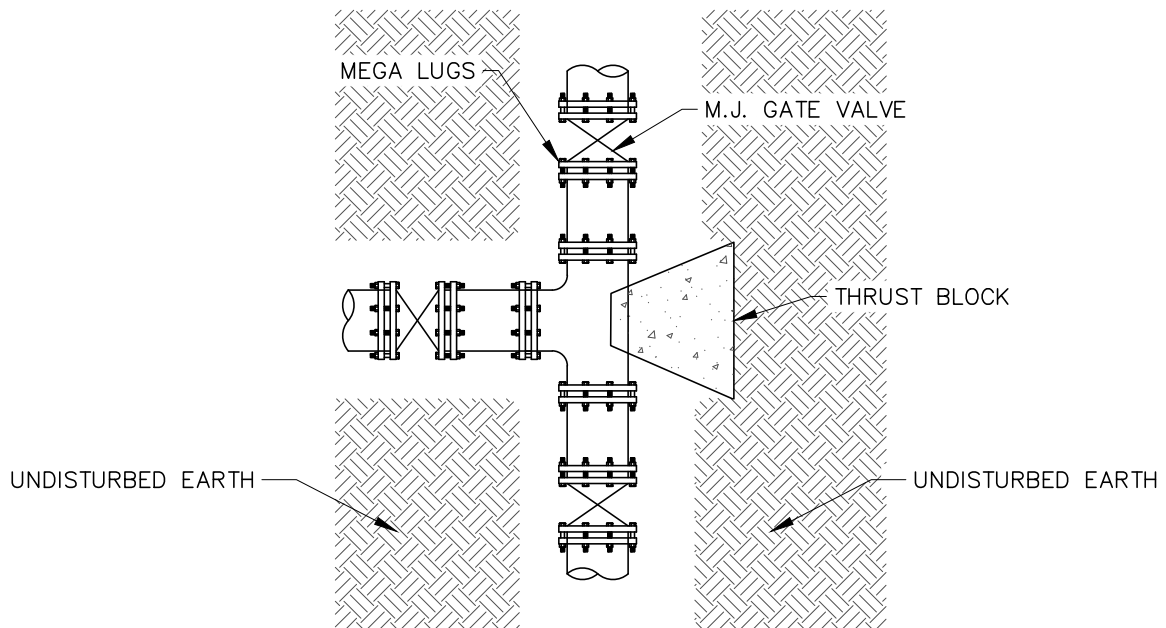
TYPICAL CONCRETE ANCHOR

8.1





CROSS INSTALLATION

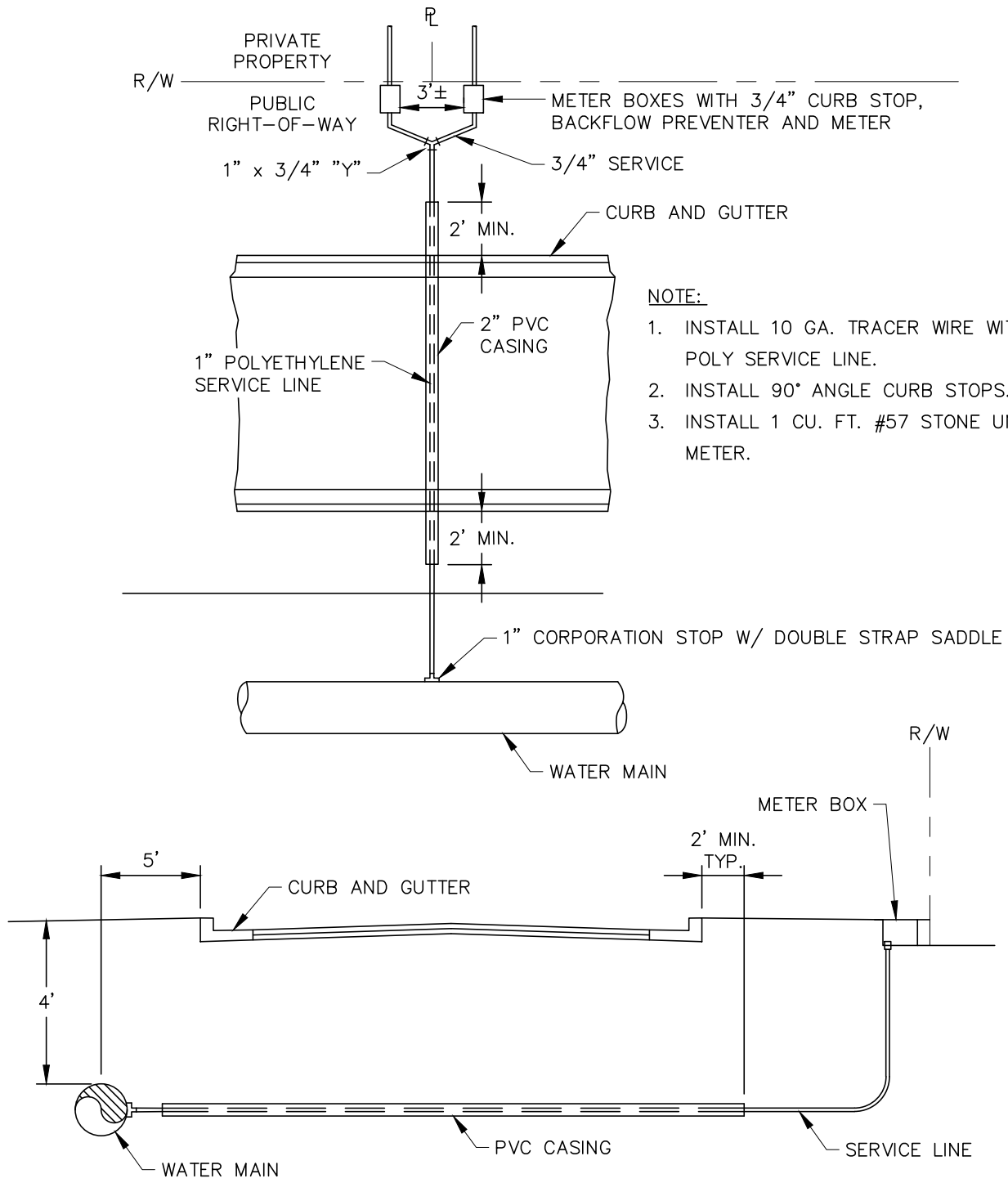


TEE INSTALLATION

NOTE:

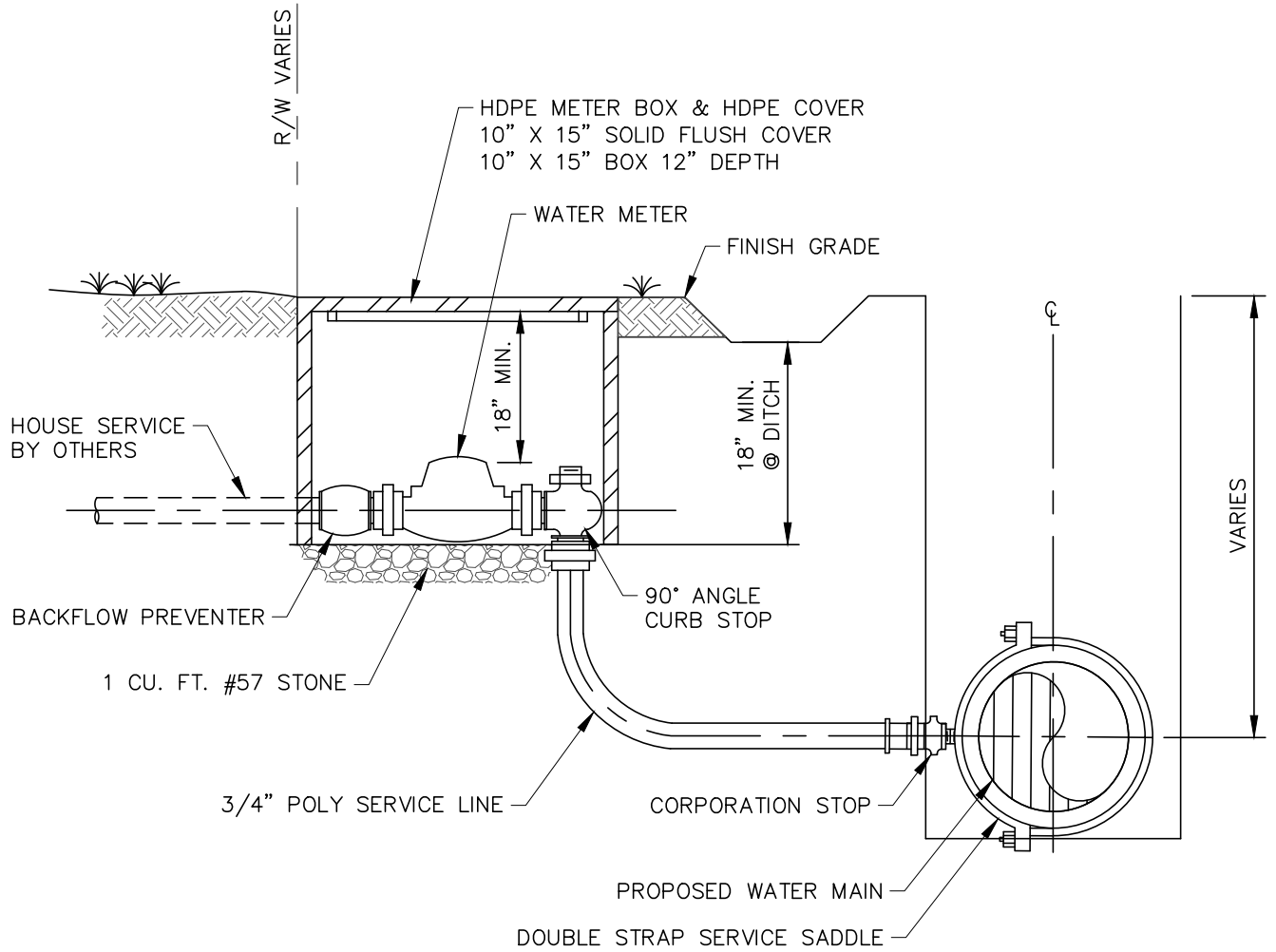
1. ALL CONNECTIONS SHALL BE RESTRAINED JOINT USING MEGA LUGS.
2. BOLTS/NUTS SHALL BE PROTECTED FROM CONCRETE COVERAGE.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>THRUST RESTRAINT AT FITTING</b>	<b>9.1</b>



- NOTE:**
1. INSTALL 10 GA. TRACER WIRE WITH POLY SERVICE LINE.
  2. INSTALL 90° ANGLE CURB STOPS.
  3. INSTALL 1 CU. FT. #57 STONE UNDER METER.

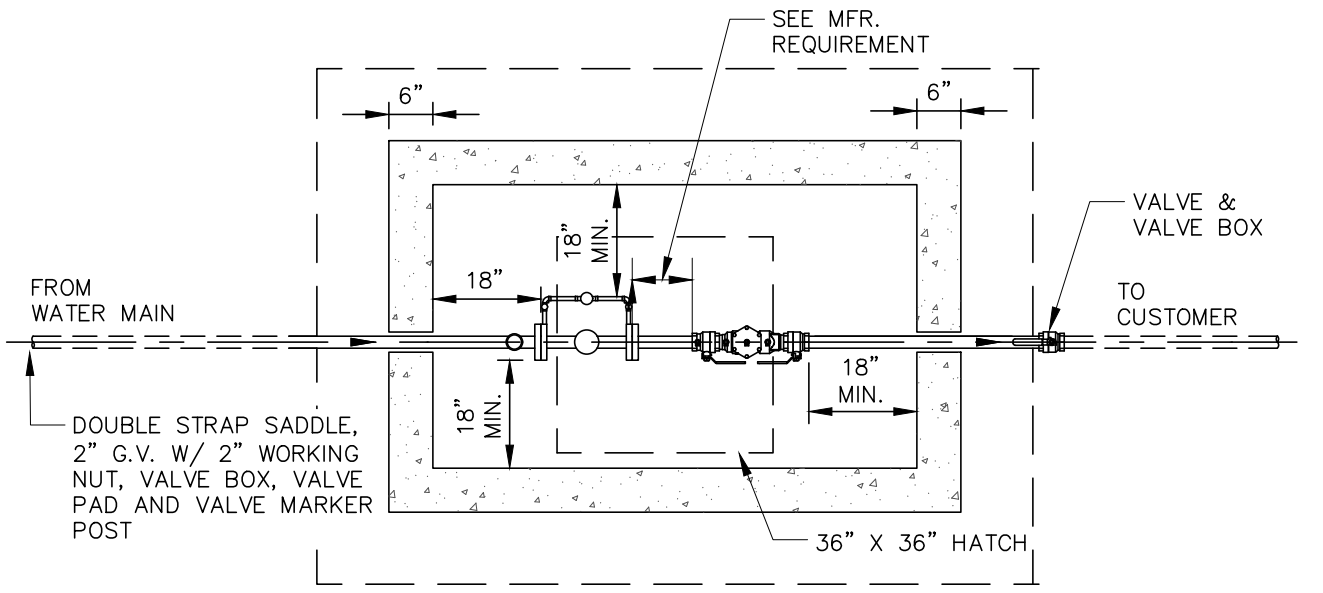
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>LONG SIDE SERVICE</b>	<b>10.1</b>



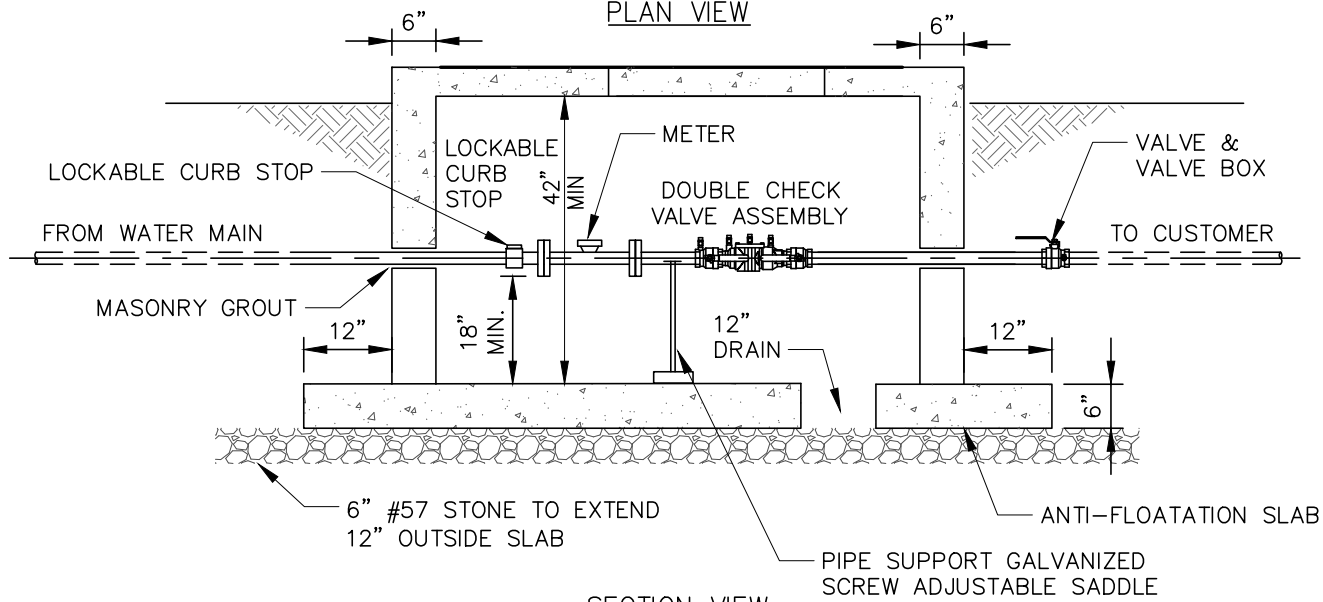
**NOTE:**

1. INSTALLATION SHALL ALLOW ADEQUATE ROOM TO REMOVE AND/OR REPAIR METER.
2. INSTALL 10 GA. TRACER WIRE WITH POLY SERVICE LINE.
3. INSTALL 90° ANGLE CURB STOP.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>SHORT SIDE SERVICE</b>	<b>11.1</b>



PLAN VIEW

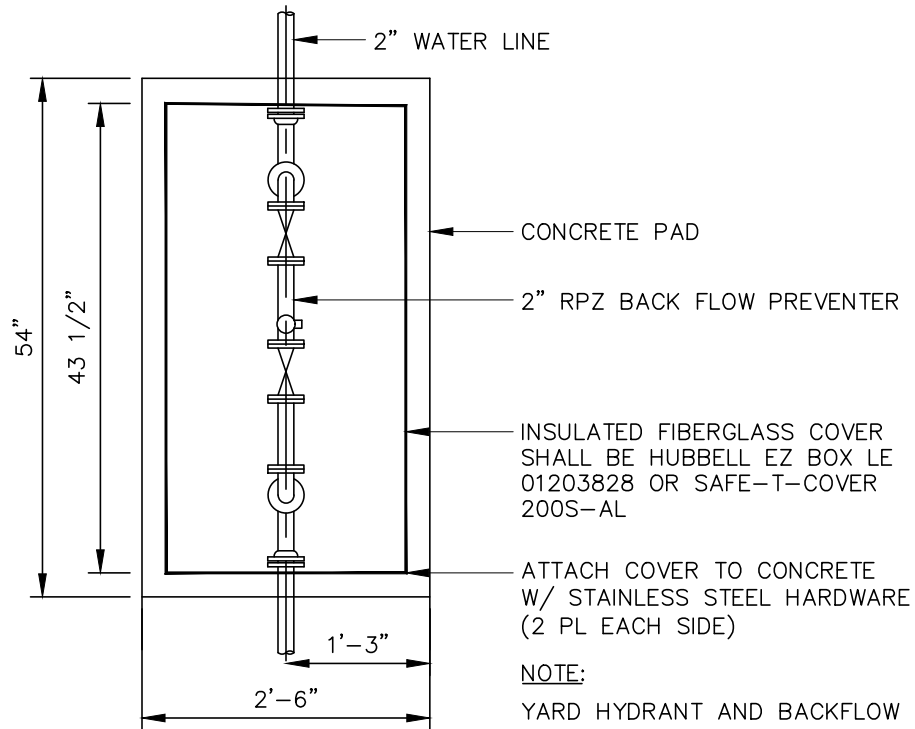


SECTION VIEW

**GENERAL NOTES:**

1. LOCATION OF PIT SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ALL PIPING SHALL HAVE 18" OF CLEARANCE ON ALL SIDES.
3. CONTRACTOR SHALL SUPPORT ALL PIPING INSIDE PIT AS REQUIRED (2 PLACES).
4. CONTRACTOR MAY USE PRECAST CONCRETE OR POLYMER REINFORCED CONCRETE VAULT IN LIEU OF CAST IN PLACE VAULT.
5. IF POLYMER REINFORCED CONCRETE VAULTS ARE USED, THEY SHALL BE ANSI TIER 22 RATED AND HAVE ADEQUATE PROTECTION AGAINST BUOYANCY.
6. CONTRACTOR MAY INSTALL METER AND BACKFLOW PREVENTER IN TWO SEPARATE VAULTS.
7. ALL EXCAVATION INCLUDING TRENCHING, BORE PITS, ETC., SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
8. STRAIGHT PIPE REQUIREMENTS UPSTREAM AND DOWNSTREAM OF METER SHALL BE AS SPECIFIED BY THE METER MANUFACTURER.
9. VAULT SHALL HAVE 12"  $\phi$  DRAIN.
10. PIPE MATERIAL SHALL BE POLY OR HDPE

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>1.5" TO 2" METER</b>	<b>12.1</b>



2" WATER LINE

CONCRETE PAD

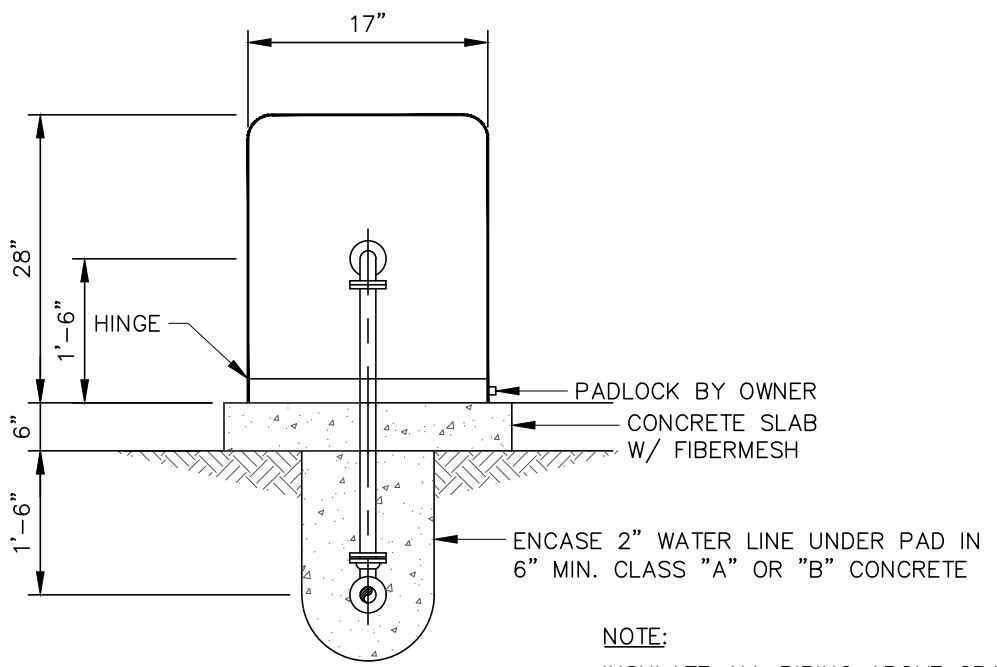
2" RPZ BACK FLOW PREVENTER

INSULATED FIBERGLASS COVER SHALL BE HUBBELL EZ BOX LE 01203828 OR SAFE-T-COVER 200S-AL

ATTACH COVER TO CONCRETE W/ STAINLESS STEEL HARDWARE (2 PL EACH SIDE)

**NOTE:**  
YARD HYDRANT AND BACKFLOW PREVENTER ARE REQUIRED FOR EACH PUMP STATION.

PLAN



PADLOCK BY OWNER

CONCRETE SLAB W/ FIBERMESH

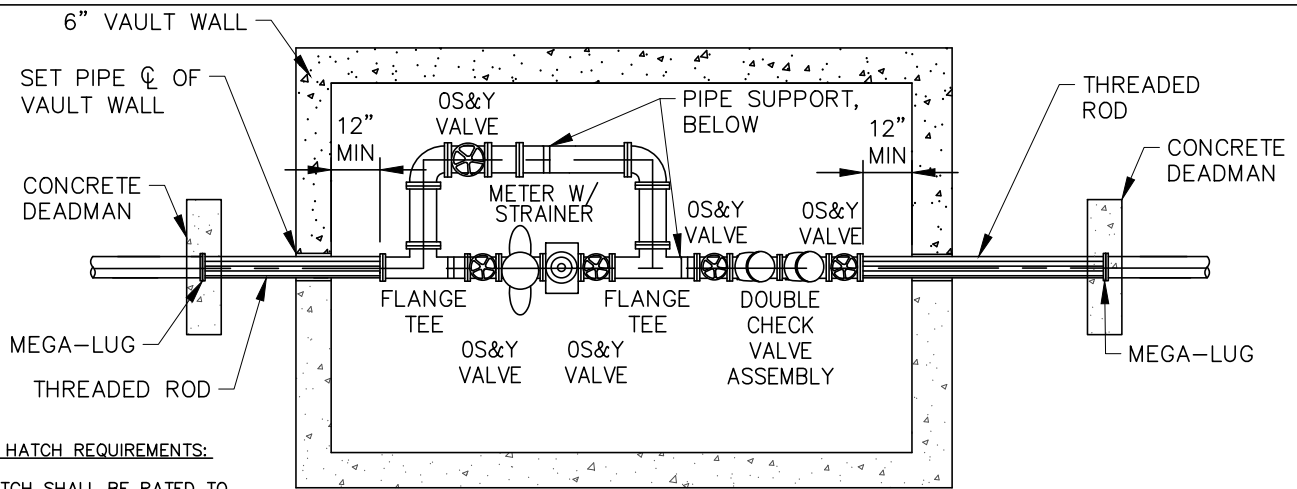
ENCASE 2" WATER LINE UNDER PAD IN 6" MIN. CLASS "A" OR "B" CONCRETE

**NOTE:**  
INSULATE ALL PIPING ABOVE GRADE.

SECTION

CITY OF DAWSONVILLE

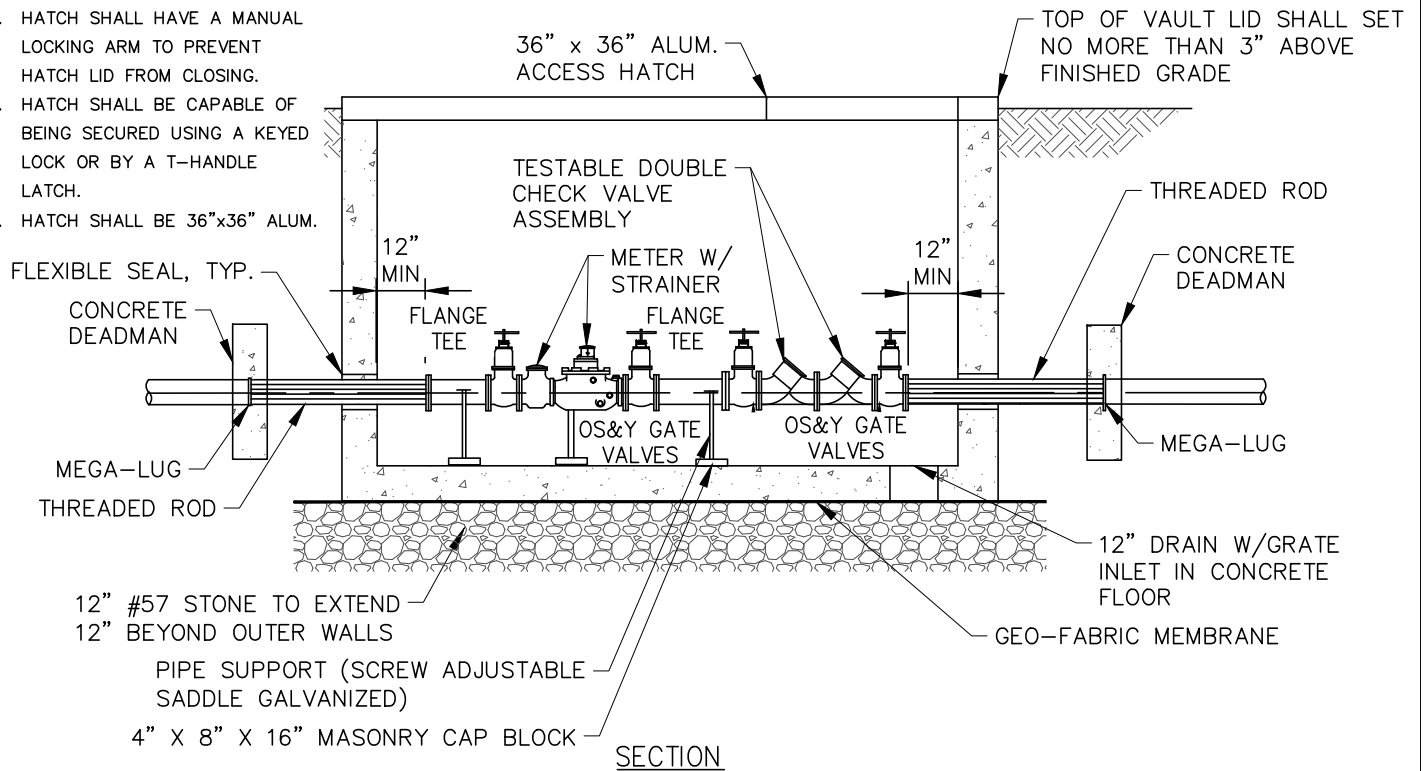
DETAIL TITLE	DETAIL NO.
2" RPZ BACK FLOW PREVENTER DETAIL	12.2



PLAN

VAULT HATCH REQUIREMENTS:

1. HATCH SHALL BE RATED TO WITHSTAND A MIN. H-10 LIVE LOAD.
2. HATCH SHALL HAVE A MANUAL LOCKING ARM TO PREVENT HATCH LID FROM CLOSING.
3. HATCH SHALL BE CAPABLE OF BEING SECURED USING A KEYED LOCK OR BY A T-HANDLE LATCH.
4. HATCH SHALL BE 36"x36" ALUM.



SECTION

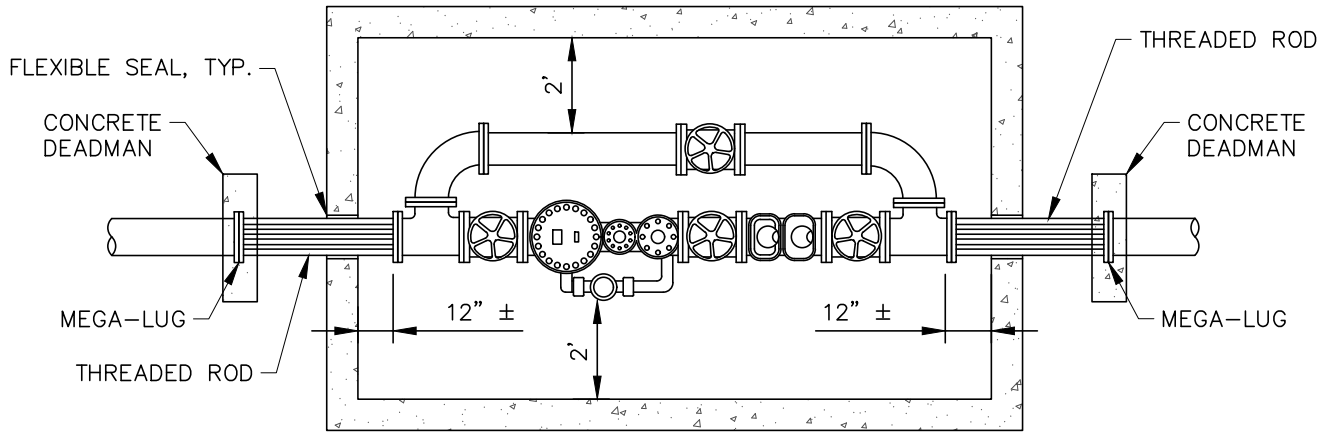
VAULT SPECIFICATIONS:

1. VAULT SHALL BE PRECAST REINFORCED CONCRETE.
2. VAULT TOP SHALL BE REINFORCED CONCRETE WITH HATCH OPENING OFFSET TO ONE SIDE.
3. ACCESS LADDER SHALL BE DOWELED TO WALL AND CENTERED AT HATCH OPENING.
4. PIPE PENETRATIONS (ANNULUS BETWEEN CONCRETE AND OUTSIDE OF PIPE) SHALL BE SEALED WITH BRICK AND GROUTED.
5. BFP DEVICE SHALL BE SUPPORTED AT ONE (1) POINT WITH PIPE STANDS.
6. THRUST BLOCKING (AS REQUIRED).
7. VAULT SHALL BE INSTALLED ON OWNERS PRIVATE PROPERTY, PROVIDING A 20' X 30' EASEMENT.
8. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER/OWNER.
9. VAULTS SHALL BE 2 PIECE.
10. VAULT SHALL HAVE 36" X 36" ALUMINUM HATCH.
11. STRAIGHT PIPE REQUIREMENTS UPSTREAM & DOWNSTREAM OF METER SHALL BE SPECIFIED BY METER MANUFACTURER.

VAULT SIZING REQUIREMENT

1. VAULTS SHALL BE ADEQUATELY SIZED TO CONTAIN ALL PIPING, VALVES, BYPASS, FITTINGS, METER AND STRAINER ASSOCIATED WITHIN THE METER INSTALLATION.
2. A MINIMUM DISTANCE OF 18" SHALL BE MAINTAINED BETWEEN ANY PIPING AND 1) THE VAULT FLOOR AND 2) THE WALL RUNNING PARALLEL TO THE PIPING.
3. RECOMMENDED VAULT SIZES:  
 3" - 10'-6" X 6'-0"  
 4" - 12'-0" X 6'-0"  
 6" AND GREATER - AS APPROVED BY CITY

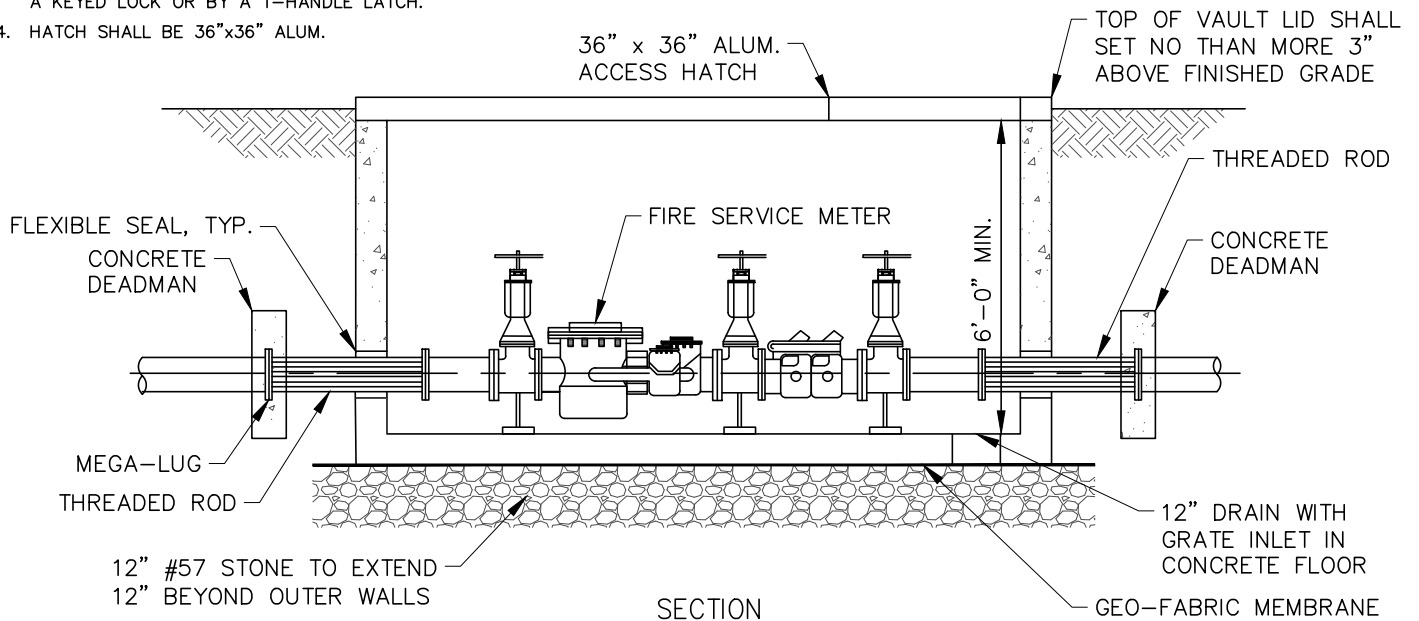
<b>CITY OF DAWSONVILLE</b>		
SCALE: NOT TO SCALE		DATE: OCTOBER 15, 2021
DETAIL TITLE		DETAIL NO.
<b>WATER METER BOX 3" AND LARGER</b>		<b>13.1</b>



PLAN

VAULT HATCH REQUIREMENTS:

1. HATCH SHALL BE RATED TO WITHSTAND A MIN. H-20 LIVE LOAD.
2. HATCH SHALL HAVE A MANUAL LOCKING ARM TO PREVENT HATCH LID FROM CLOSING.
3. HATCH SHALL BE CAPABLE OF BEING SECURED USING A KEYED LOCK OR BY A T-HANDLE LATCH.
4. HATCH SHALL BE 36"x36" ALUM.

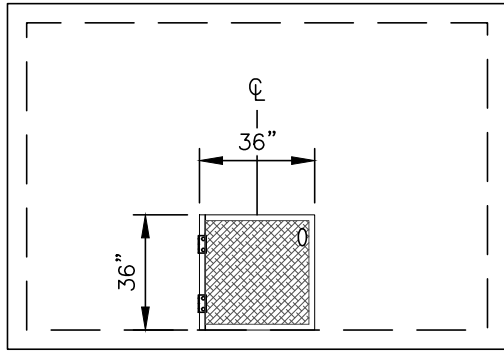


SECTION

VAULT SPECIFICATIONS:

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7. VAULT SHALL BE INSTALLED ON OWNERS PRIVATE PROPERTY, PROVIDING A 20' X 30' EASEMENT.
8. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER/OWNER.
9. VAULTS SHALL BE 2 PIECE.
10. VAULT SHALL HAVE 36" X 36" ALUMINUM HATCH.
11. STRAIGHT PIPE REQUIREMENTS UPSTREAM & DOWNSTREAM OF METER SHALL BE SPECIFIED BY METER MANUFACTURER.

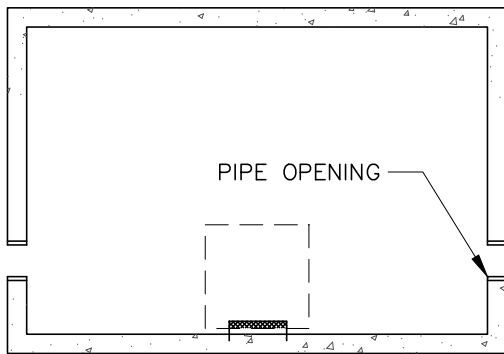
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>FIRE METER AND VAULT</b>	<b>14.1</b>



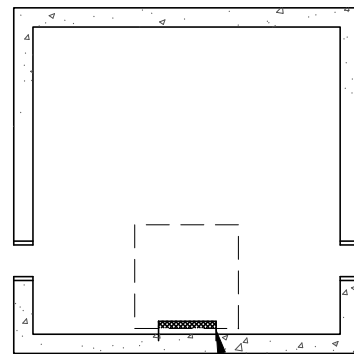
TOP VIEW



36" x 36"  
ALUMINUM ACCESS  
HATCH, TYP.

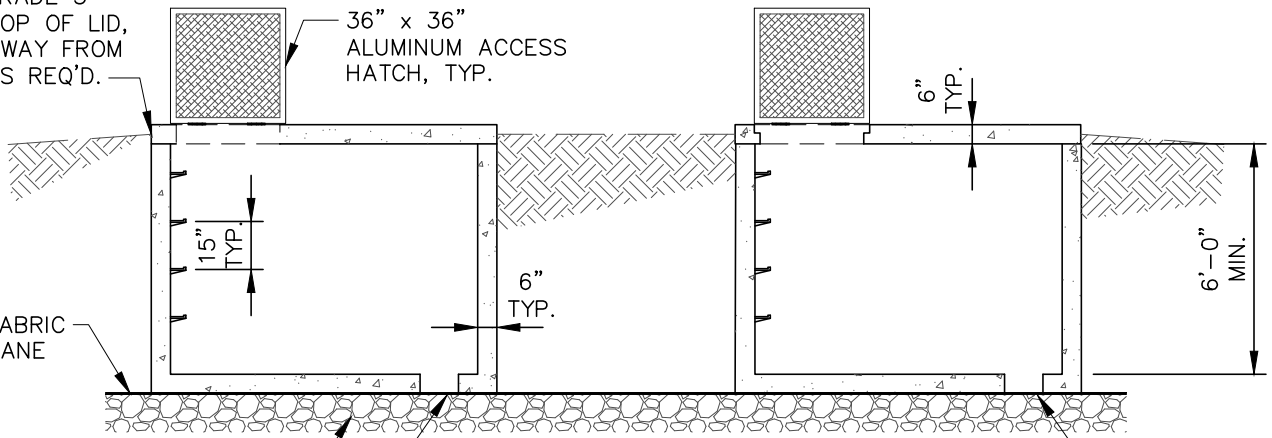


PLAN VIEW



MANHOLE STEPS  
@ 15" O.C.

FINISH GRADE 3"  
BELOW TOP OF LID,  
SLOPE AWAY FROM  
VAULT AS REQ'D.



36" x 36"  
ALUMINUM ACCESS  
HATCH, TYP.

GEO-FABRIC  
MEMBRANE

6"  
TYP.

6"  
TYP.

6'-0"  
MIN.

12" LAYER #57 STONE TO EXTEND  
12" BEYOND OUTER WALLS

SECTION VIEW

12" DRAIN

12" DRAIN

CITY OF DAWSONVILLE

SCALE: NOT TO SCALE

DATE: OCTOBER 15, 2021

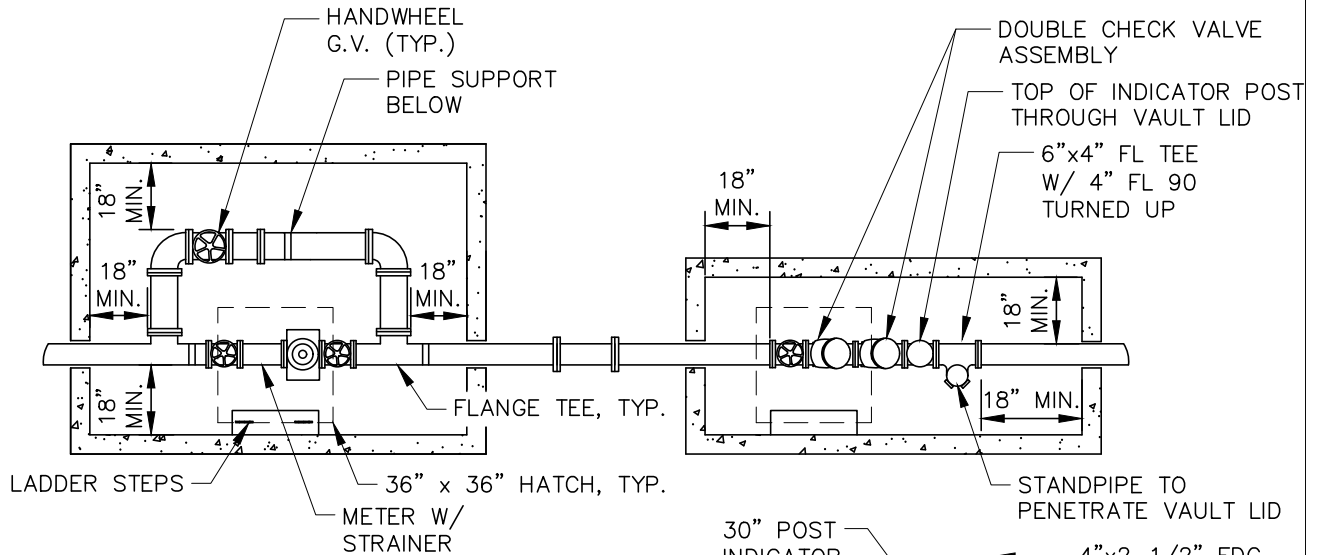
DETAIL TITLE

DETAIL NO.

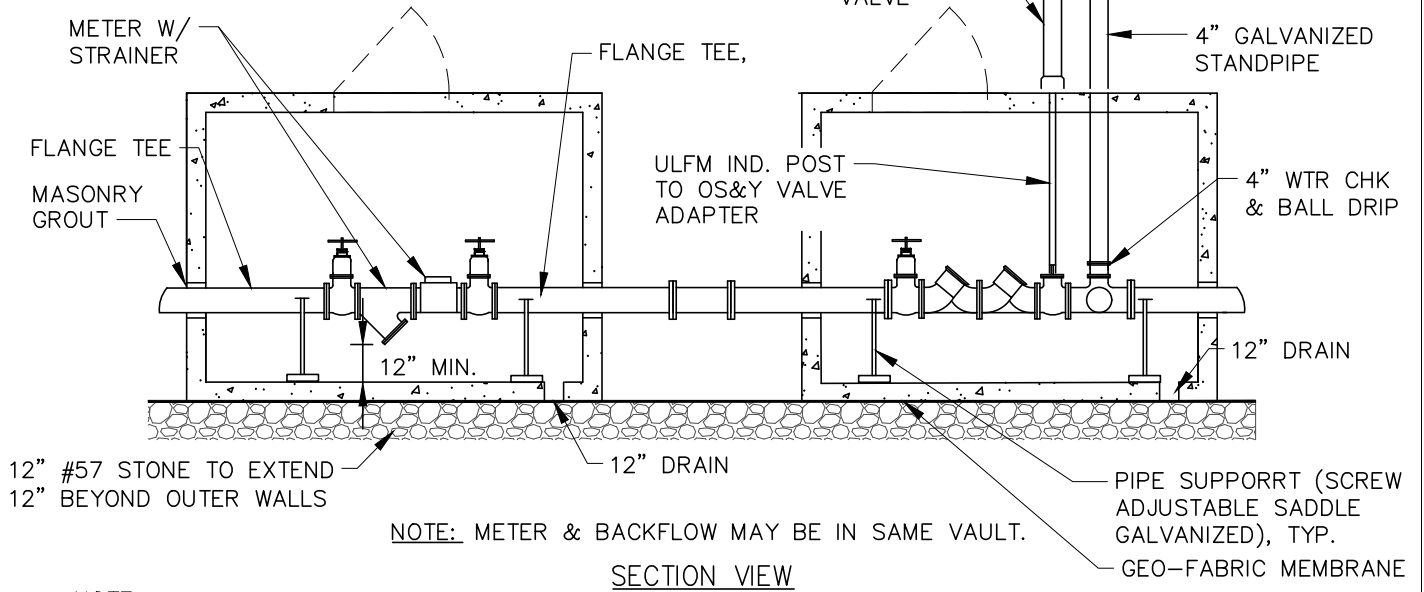
FIRE METER VAULT

15.1





PLAN VIEW



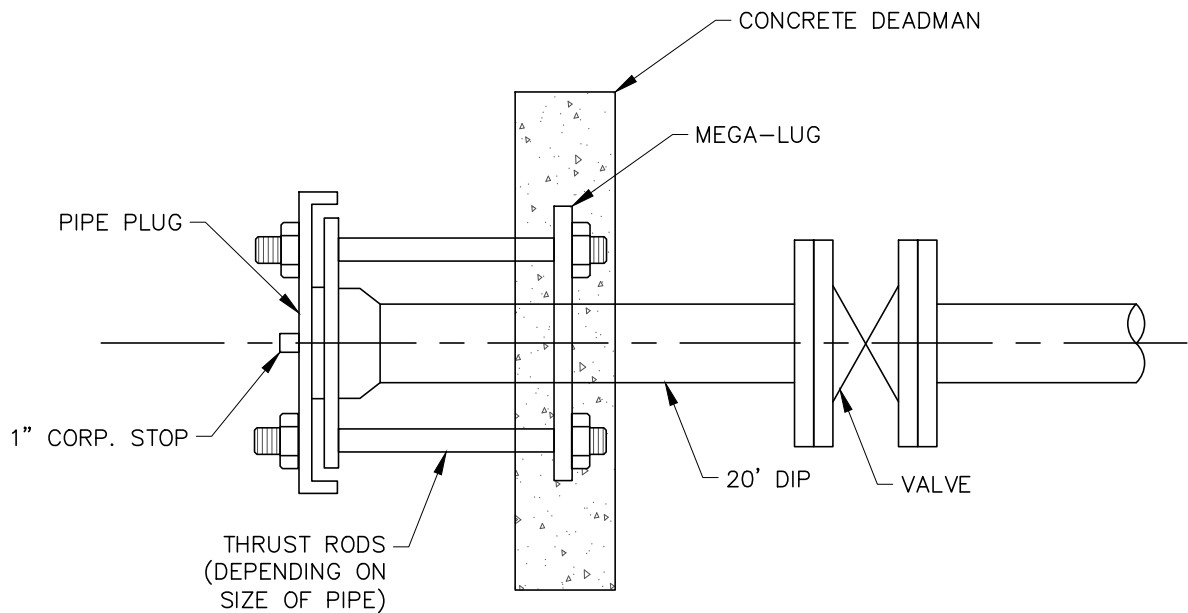
SECTION VIEW

NOTE: METER & BACKFLOW MAY BE IN SAME VAULT.

NOTE:

1. VAULT TO BE SIZED TO ALLOW 18" MIN. CLEARANCE AROUND ALL INSTALLED EQUIPMENT.
2. VAULT COATING TO BE
  - A. BITUMINOUS TAR ON UNDERGROUND PORTION OF VAULT.
  - B. ASSEMBLY TO BE COATED WITH SPECIAL NON-SKID EPOXY.
3. THE HATCHES SHALL BE CONSTRUCTED W/ 6" DEEP FRAME AND OF 1/4" DIAMOND PLATE ALUMINUM.
4. THE HATCHES SHALL BE REINFORCED FOR H-20 LOADING, AND SHALL HAVE A FALL-IN-PLACE HOLD-OPEN ARM AND STAINLESS STEEL SNAP LOCK.
5. HATCHES SHALL MEET ALL CURRENT ASTM STANDARDS.
6. SIX (6") INCH THICK PRECAST CONCRETE SHALL BE USED FOR CONSTRUCTION AS A MINIMUM.
7. 12" LAYER OF #57 STONE, 12" LARGER THAN FOOTPRINT OF VAULT.
8. VAULT SHALL HAVE 12" Ø DRAIN.
9. POSITION HATCH OVER METER & ALIGN EDGE AGAINST VAULT INTERIOR WALL.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>FDC VAULT</b>	<b>16.1</b>



PIPE SIZE	ROD SIZE	NUMBER OF RODS
6"	3/4"	2
8"	3/4"	3
10"	3/4"	4
12"	3/4"	4
14"	3/4"	4
16"	3/4"	6
20"	3/4"	6
24"	3/4"	8
30"	1"	8
36"	1"	10

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>DEADMAN FOR PLUG</b>	<b>16.2</b>

REQ'D: (ABOVE GRADE)

- 1 - 4" QUICK DISCONNECT 90° BEND
- 1 - 4" PIPE FLANGE ADAPTER
- 1 - 4" DUST CAP

#3 @ 9" E.W.

3'-0"

PRECAST CONC. SURROUND

SLIDE OR SCREW TYPE VALVE BOX TO GRADE

4" PLUG VALVE

EXIST. D.I. FORCE MAIN

REQ'D: (BELOW GRADE)

- 1 - 4" 90° BEND
- CONCRETE BLOCKING

4" D.I.

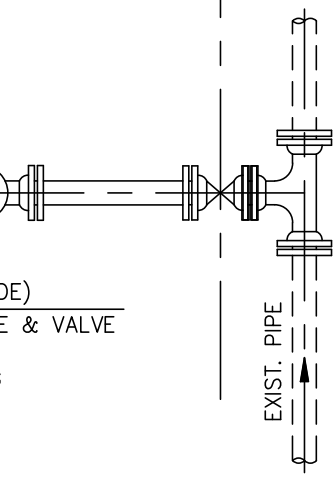
4'-0"

REQ'D: (BELOW GRADE)

- 1 - TAPPING SLEEVE & VALVE
- CONCRETE BLOCKING

4'-0"  
L&W

SECTION

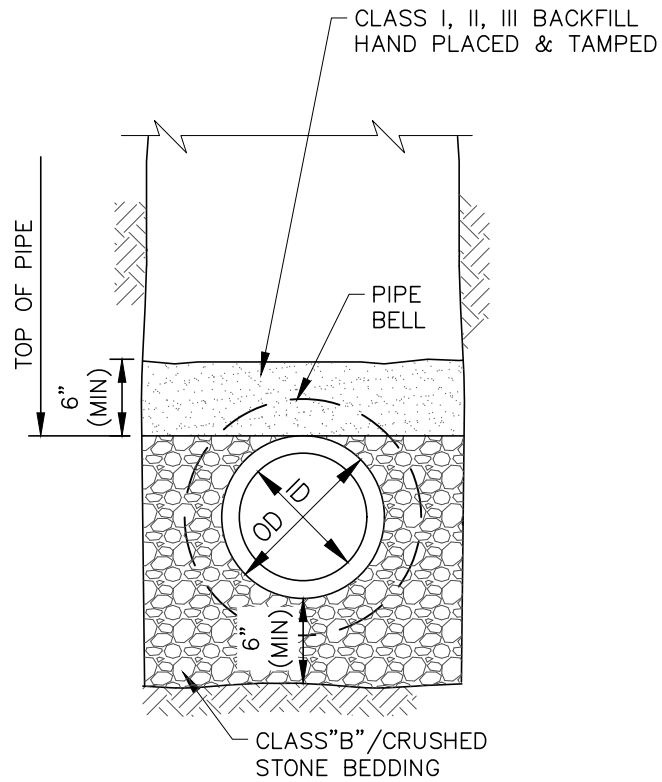


REQ'D: (BELOW GRADE)

- 1 - TAPPING SLEEVE & VALVE
- 1 - 4" 90° BEND
- CONCRETE BLOCKING

PLAN

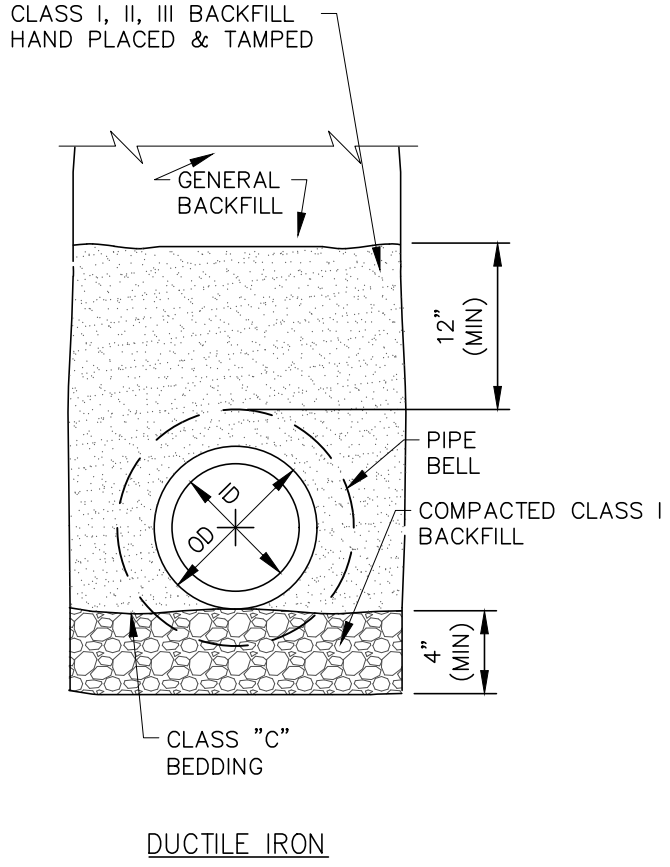
<b>CITY OF DAWSONVILLE</b>		
SCALE: NOT TO SCALE		DATE: OCTOBER 15, 2021
DETAIL TITLE		DETAIL NO.
<b>RAW SEWAGE PUMP STATION EMERGENCY BY-PASS CONNECTION</b>		<b>17.1</b>



**NOTE:**

1. UNSUITABLE SOILS ENCOUNTERED IN BOTTOM OF EXCAVATED TRENCH SHALL BE EXCAVATED & REPLACED WITH #57 STONE.
2. ONLY SUITABLE SOIL SHALL BE USED AS BACKFILL.

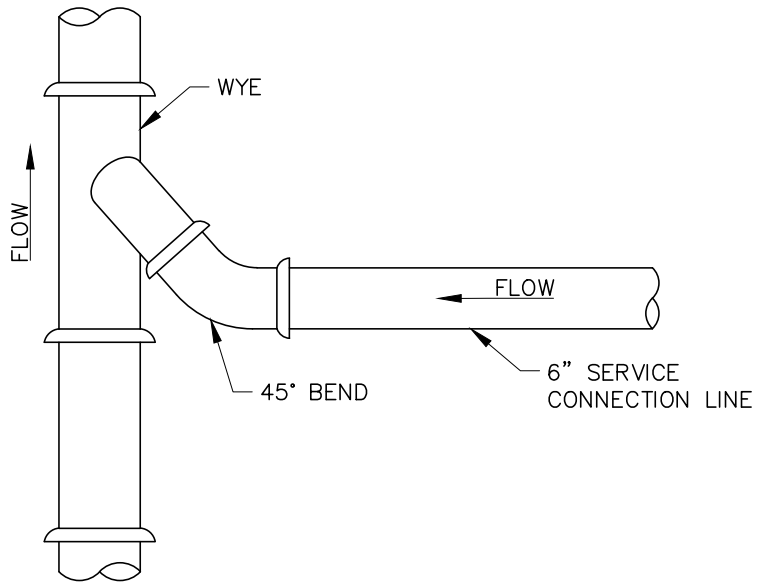
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL PVC SEWER PIPE BEDDING</b>	<b>18.1</b>



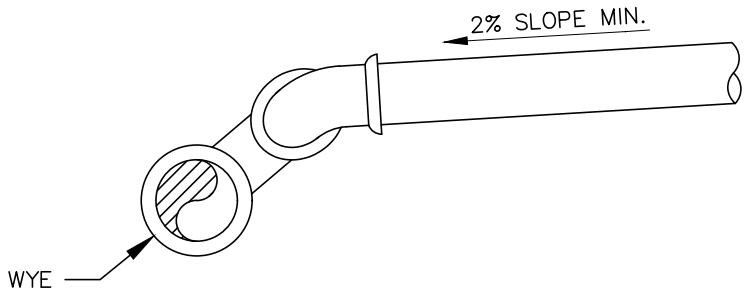
NOTE: APPLICABLE TO BOTH EARTH \* ROCK TRENCHES  
 MAX. DEPTH OF COVER FOR DUCTILE IRON PIPE OF THE VARIOUS CLASSES & SIZES TO BE INSTALLED  
 ARE AS FOLLOWS:  
LAYING CONDITION – DUCTILE IRON

<u>PIPE SIZE IN</u>	<u>THICK CLASS</u>	<u>NOMINAL THICK IN</u>	<u>MAX. DEPTH &amp; COVER (FT.)</u>	
			<u>(1) FLAT BOT TRENCH</u>	<u>(2) SELECTED MATERIAL</u>
8	50	0.27	46	64
	51	0.30	61	81
	52	0.33	77	99

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL DUCTILE IRON SEWER PIPE BEDDING</b>	<b>18.2</b>



PLAN

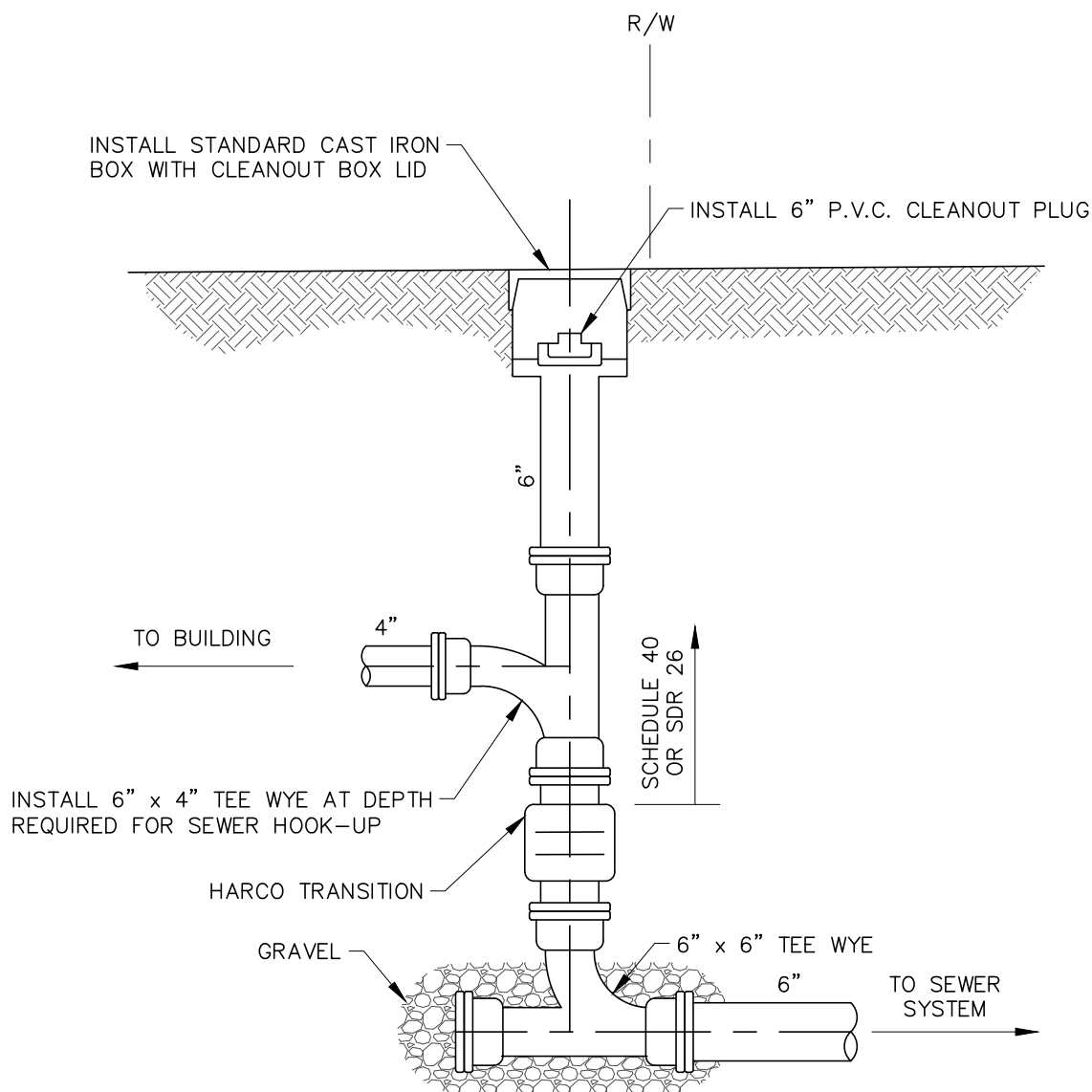


SECTION

NOTE:

1. CONNECTION TO NEW SEWER SHALL BE WITH TEE WYE.
2. NO TEES WYES ON SEWERS LARGER THAN 18"  $\phi$ .
3. LATERAL MATERIAL SHALL BE SAME TYPE AS MAIN LINE
4. LATERAL BEDDING SHALL BE SAME AS MAIN LINE.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>SEWER LATERAL CONNECTION</b>	<b>19.1</b>



**NOTE:** THIS CLEANOUT DETAIL TO BE USED FOR 10' OR DEEPER CONDITIONS AND ONLY AFTER APPROVAL BY CITY OF DAWSONVILLE.

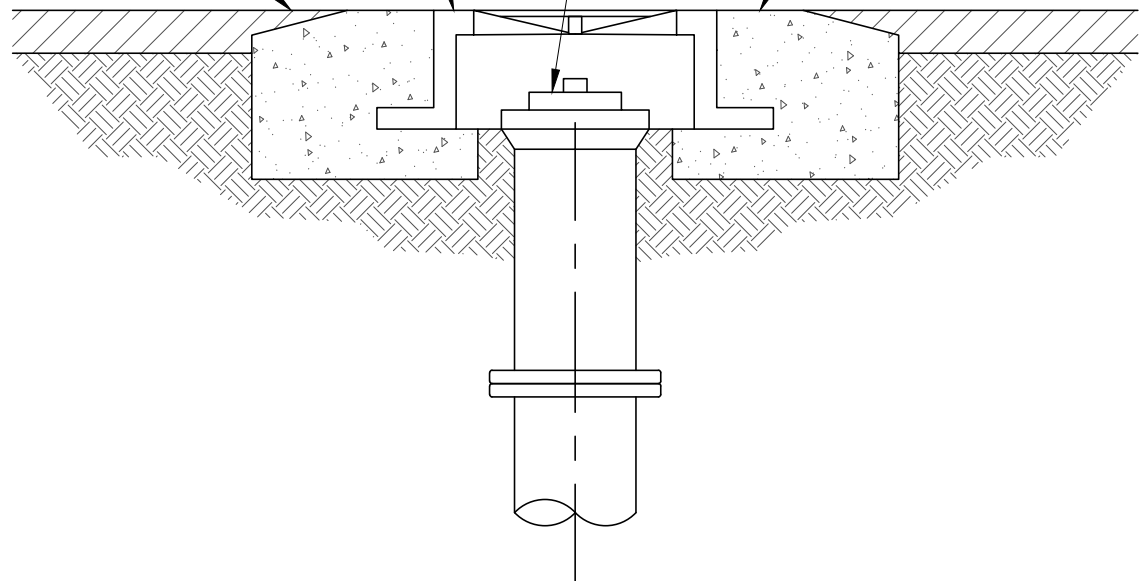
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
CLEANOUT	19.2

STANDARD RISER FRAME & COVER  
AS APPROVED BY CITY. USE  
NEENAH INSPECTION FRAME AND  
COVER MODEL R-1976, USF COVER  
MODEL 7621, OR APPROVED EQUAL.

FINISHED PAVEMENT  
OR CONCRETE

THREADED  
BRASS CAP

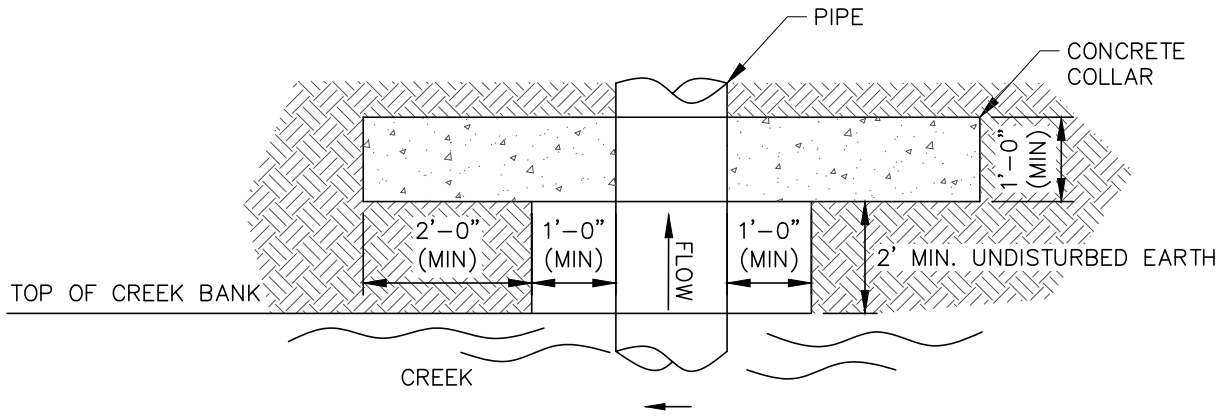
NEENAH INSPECTION FRAME  
& COVER TO BE SET IN  
REINFORCED CONCRETE  
COLLAR.



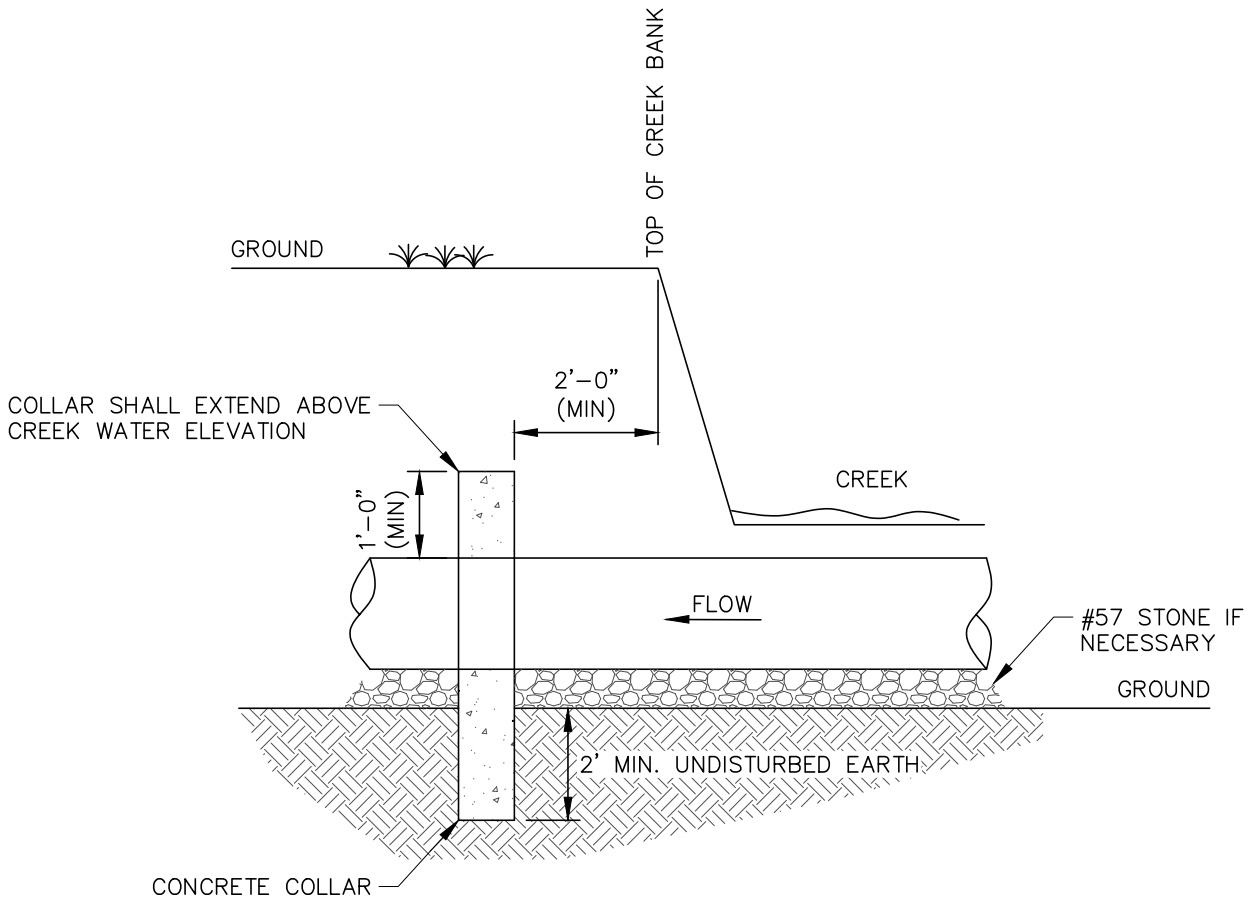
NOTE: THE INSPECTION FRAME AND COVER IS TO BE USED  
IN ALL PAVED AND CONCRETE APPLICATIONS.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
TRAFFIC RATED CLEANOUT BOX	19.3



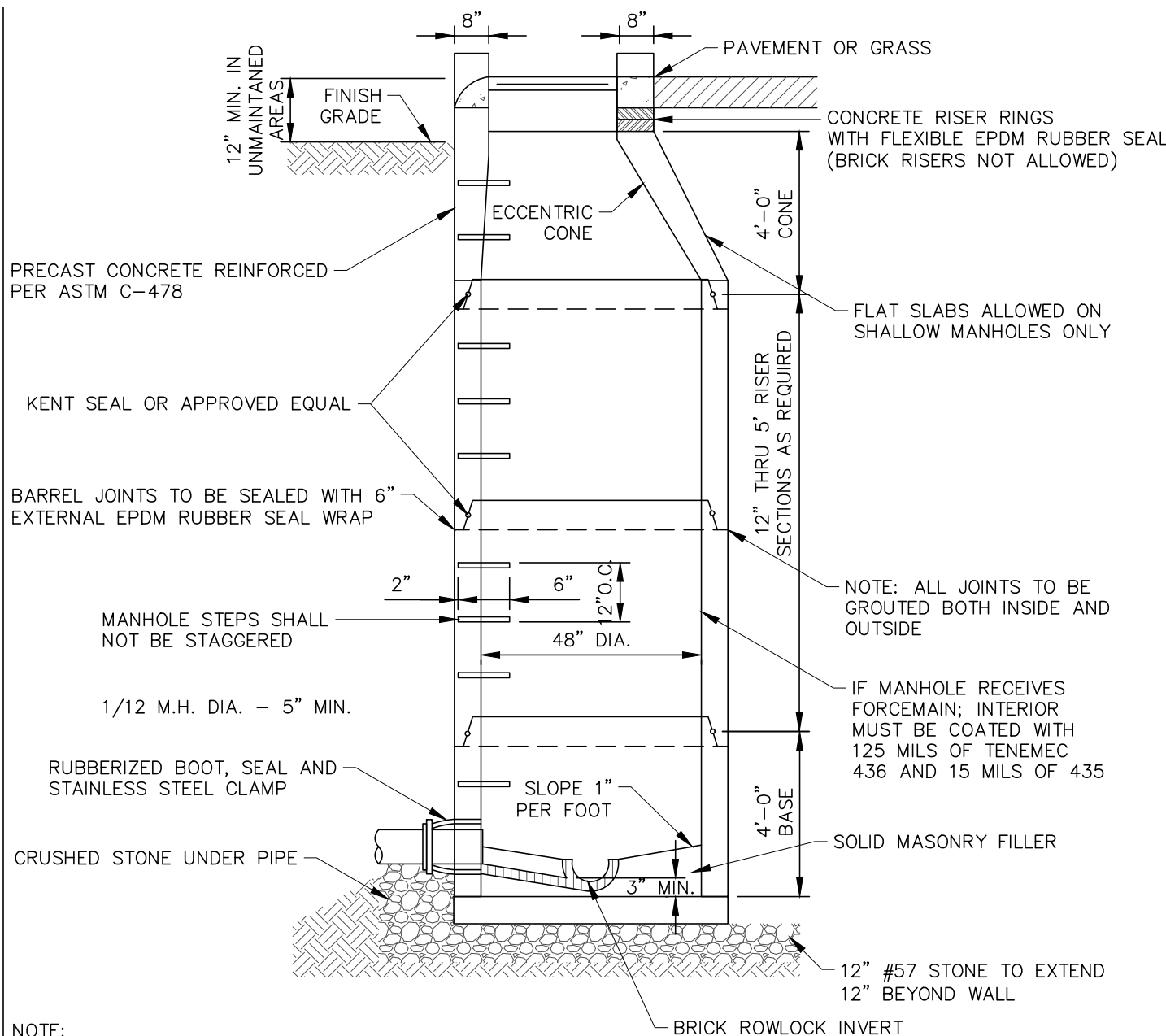


PLAN VIEW



SIDE VIEW

CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
PIPE COLLAR	20.1

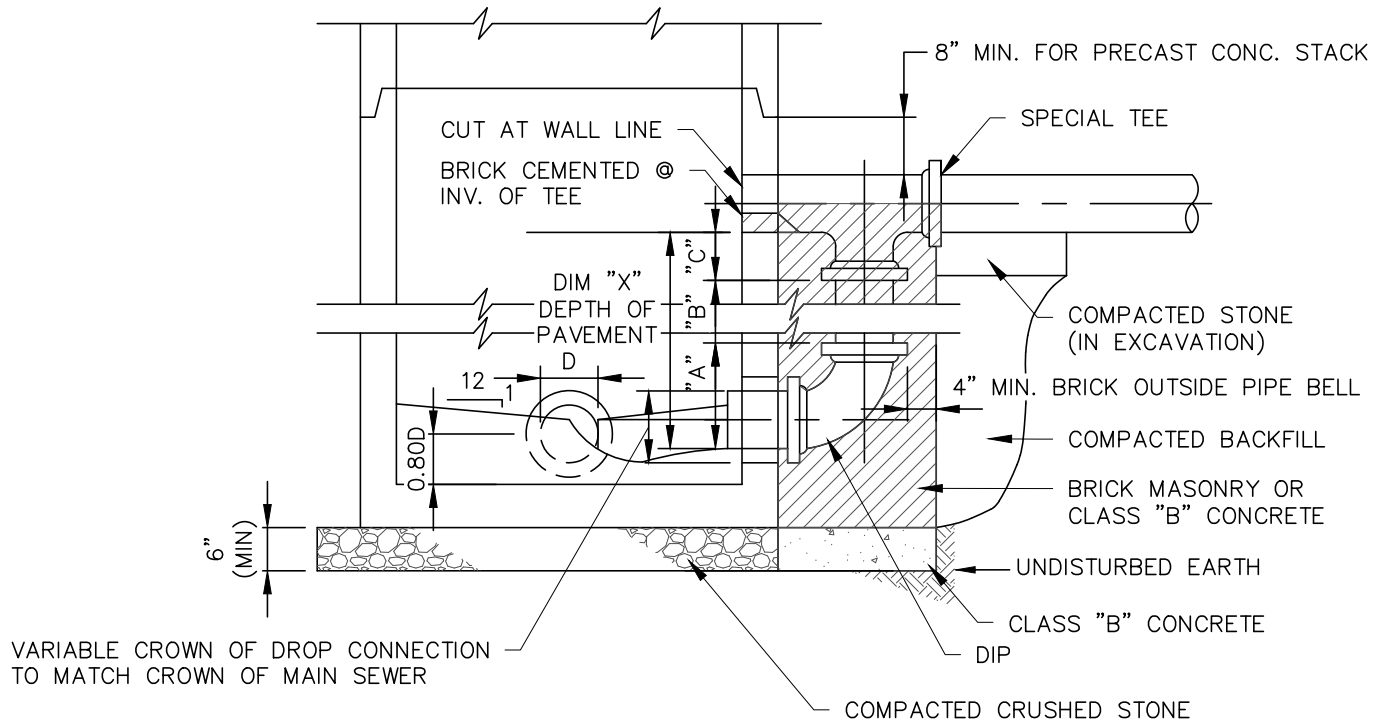


**NOTE:**

1. TABLES ARE TO BE GENTLY SLOPED AND TROWELED SMOOTH FROM M.H. WALL TO INVERT WALL AND CONSTRUCTED OF SOLID MASONRY.
2. BASES LARGER THAN 48" (INCH) MUST USE TRANSITION SLAB AND 48" (INCH) RISER SECTIONS
3. CONES WITH BOLT DOWN CAST IN PLACE FRAMES ARE REQUIRED ON OUTFALL SEWERS IN UNMAINTAINED AREAS
4. TRAFFIC FRAME AND COVER SHALL BE USED IN PAVED AREAS.
5. NO MANHOLE RISER SECTION SHALL BE MORE THAN 1/2" (ONE HALF INCH) OUT OF ROUND.

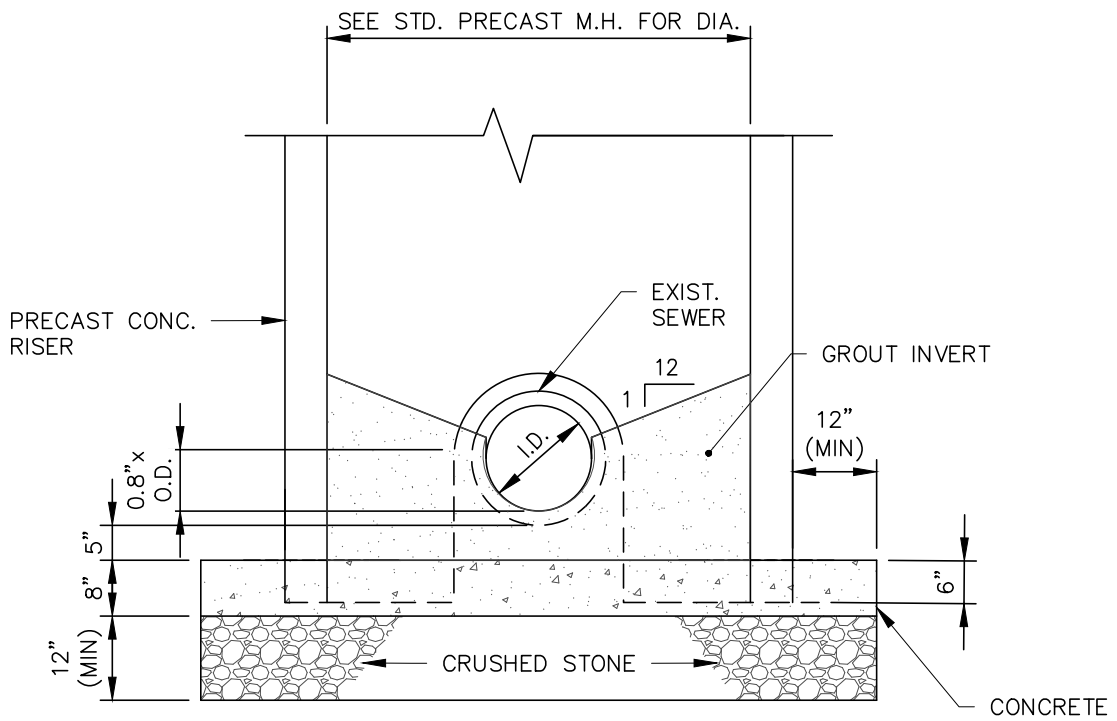
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>PRECAST MANHOLE</b>	<b>21.1</b>

SCHEDULE FOR DROP CONNECTIONS DIMENSION "X"		
PIPE SIZE	DROP SIZE	MIN. DROP
6"	6"	24"
8"	8"	24"
10"	8"	24"
12"	10"	35"
15"	12"	37"
18"	15"	39"
21"	18"	41"
24"	18"	43"
30"	18"	45"



**NOTE:** ALL PIPING INSIDE MANHOLE SHALL BE DUCTILE IRON W/ STAINLESS STEEL HARDWARE.

CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
TYPICAL DROP MANHOLE CONNECTION DETAIL	21.2



CITY OF DAWSONVILLE

SCALE: NOT TO SCALE

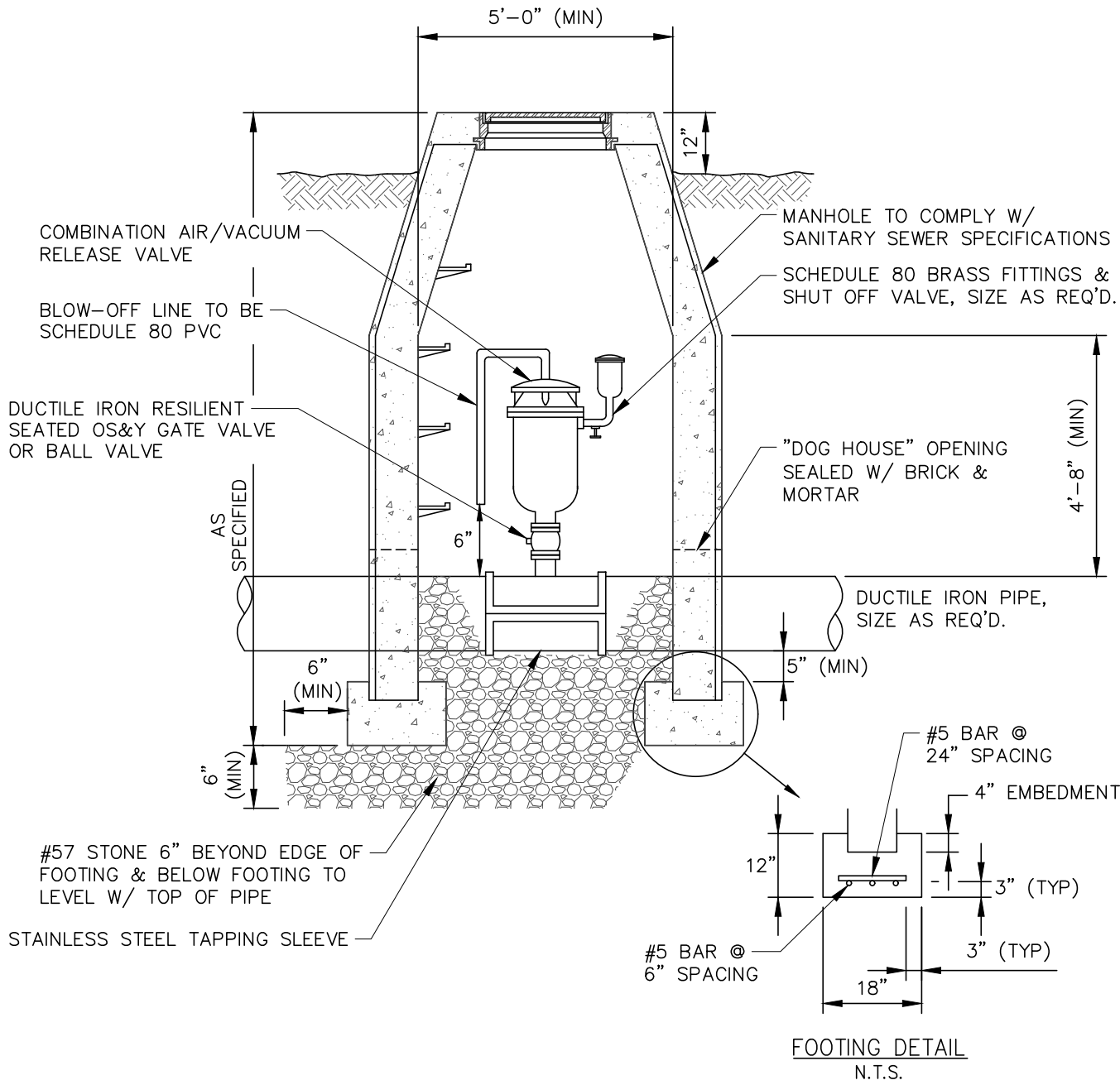
DATE: OCTOBER 15, 2021

DETAIL TITLE

DETAIL NO.

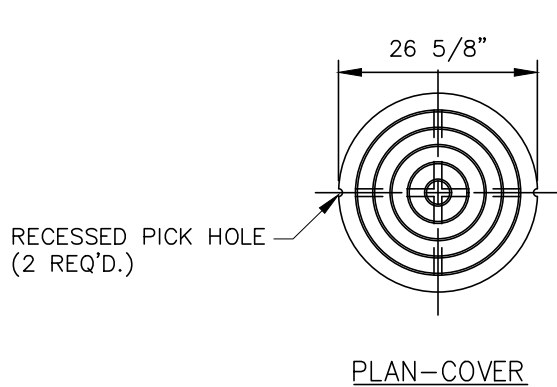
TYPICAL DOG HOUSE MANHOLE DETAIL

21.3



NOTE: ARV ASSEMBLY SHALL BE SET LEVEL & PLUMB.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>COMBINATION AIR/VACUUM RELEASE VALVE</b>	<b>22.1</b>

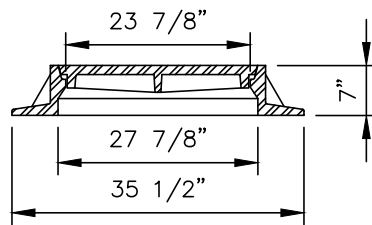


NOTE:

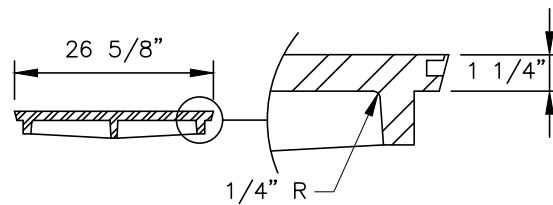
SEATING SURFACE OF  
FRAMES & COVERS TO  
BE MACHINED TO FIT.

APPROX TOTAL WT. OF FRAME & COVER IS  
370# OR GREATER

SHALL BE:  
U.S. FOUNDRY 223 BN,  
NEENAH R-1423-BN,  
EAST JORDAN V1349 OR EQUAL

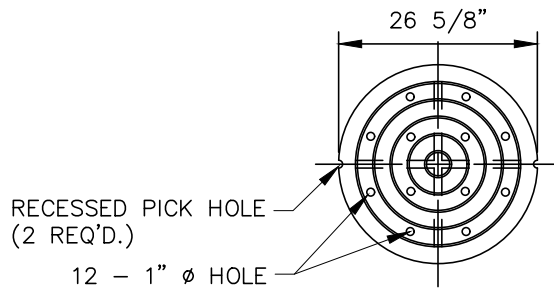


SECTION-FRAME & COVER



SECTION-COVER

<b>CITY OF DAWSONVILLE</b>		
SCALE: NOT TO SCALE		DATE: OCTOBER 15, 2021
DETAIL TITLE		DETAIL NO.
<b>TYPICAL STANDARD C.I. D.I. MANHOLE FRAME AND COVER</b>		<b>23.1</b>



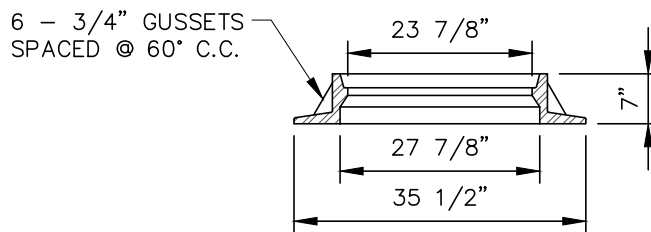
PLAN-COVER

NOTE:

SEATING SURFACE OF  
FRAMES & COVERS TO  
BE MACHINED TO FIT.

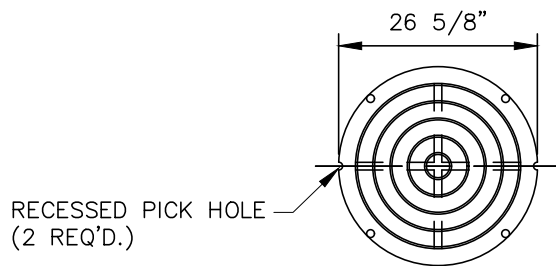
APPROX TOTAL WT. OF FRAME & COVER IS  
370# OR GREATER

SHALL BE:  
U.S. FOUNDRY 223 BN,  
NEENAH R-1423-BN,  
EAST JORDAN V1349 OR EQUAL



SECTION-FRAME

CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
TYPICAL VENTED C.I. D.I. MANHOLE FRAME AND COVER	23.2



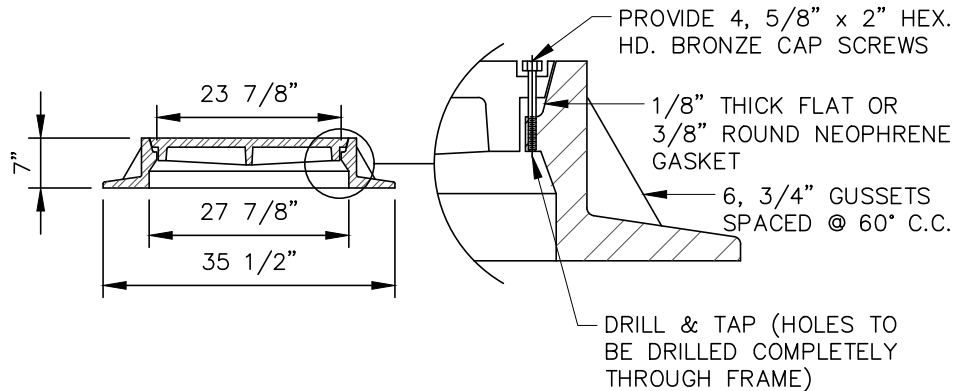
PLAN-COVER

NOTE:

SEATING SURFACE OF  
FRAMES & COVERS TO  
BE MACHINED TO FIT.

APPROX TOTAL WT. OF FRAME & COVER IS  
370# OR GREATER

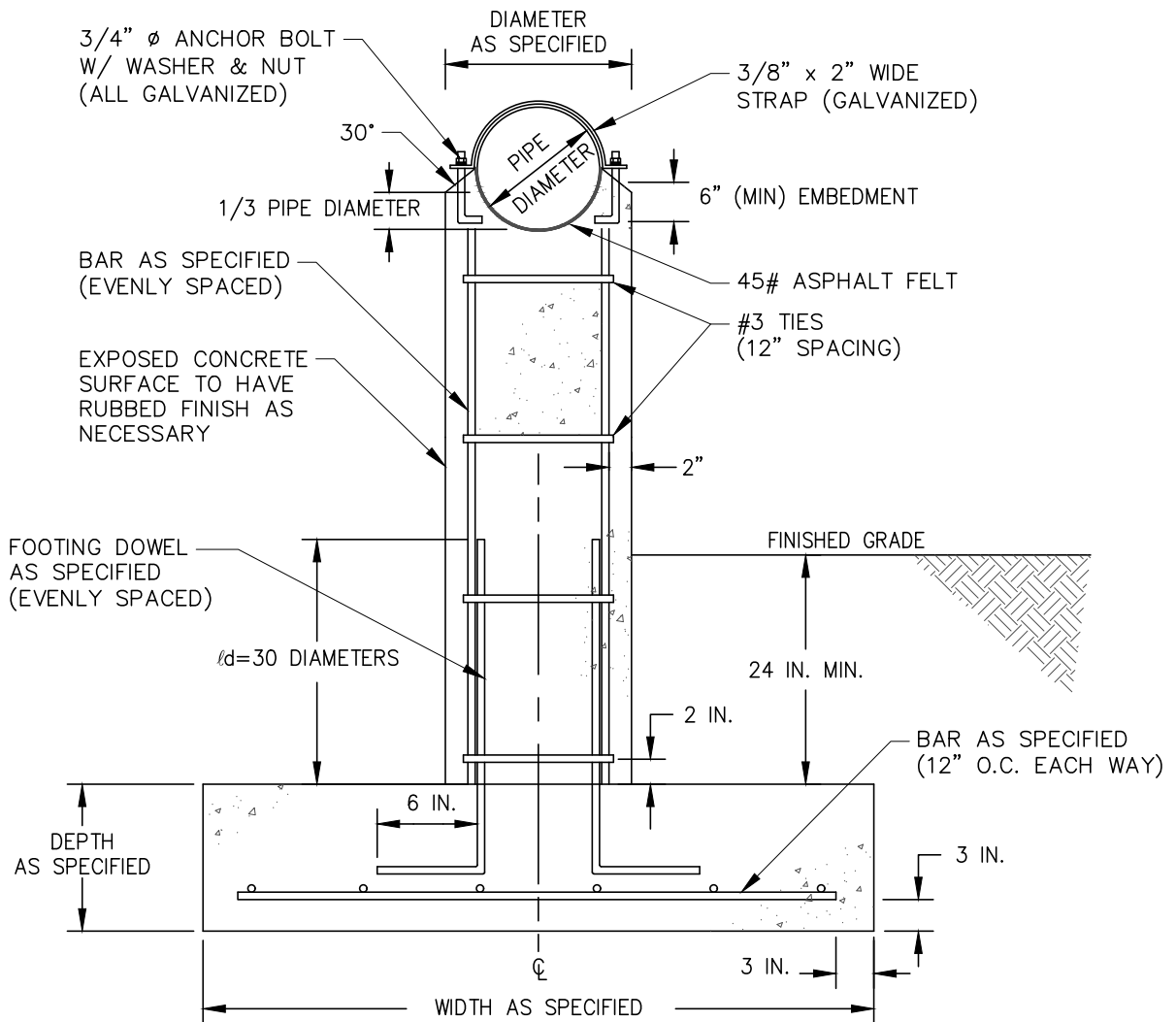
SHALL BE:  
U.S. FOUNDRY 223 BN,  
NEENAH R-1423-BN,  
EAST JORDAN V1349 OR EQUAL



SECTION-FRAME & COVER

CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
TYPICAL WATERTIGHT C.I. D.I. MANHOLE FRAME AND COVER	23.3





**CONCRETE PIERS**

PIPE SIZE (INCHES)	PIER DIAMETER (INCHES)	PIER REINFORCING STEEL (EVENLY SPACED)
8	16	6 : # 5 BAR, # 3 TIE AT 12" O.C.
10	18	6 : # 5 BAR, # 3 TIE AT 12" O.C.
12	20	6 : # 5 BAR, # 3 TIE AT 12" O.C.
14	22	6 : # 6 BAR, # 3 TIE AT 12" O.C.
16	24	6 : # 6 BAR, # 3 TIE AT 12" O.C.

**CONCRETE FOOTINGS**

PIER DIAMETER (INCHES)	FOOTING WIDTH AND DEPTH (INCHES)	FOOTING REINFORCING STEEL (EVENLY SPACED, 12 INCH MAX. SPACING EACH WAY)	FOOTING DOWELS (EVENLY SPACED)
16	40 X 40 X 12 DEPTH	# 5 BAR	# 5 BAR
18	42 X 42 X 15 DEPTH	# 5 BAR	# 5 BAR
20	44 X 44 X 15 DEPTH	# 5 BAR	# 5 BAR
22	46 X 46 X 18 DEPTH	# 6 BAR	# 6 BAR
24	48 X 48 X 20 DEPTH	# 6 BAR	# 6 BAR

**CITY OF DAWSONVILLE**

SCALE: NOT TO SCALE

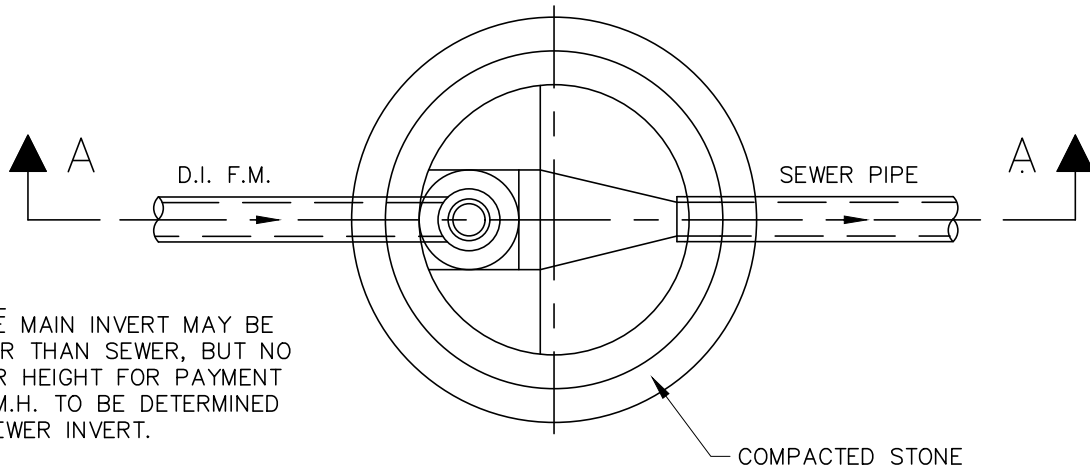
DATE: OCTOBER 15, 2021

DETAIL TITLE

DETAIL NO.

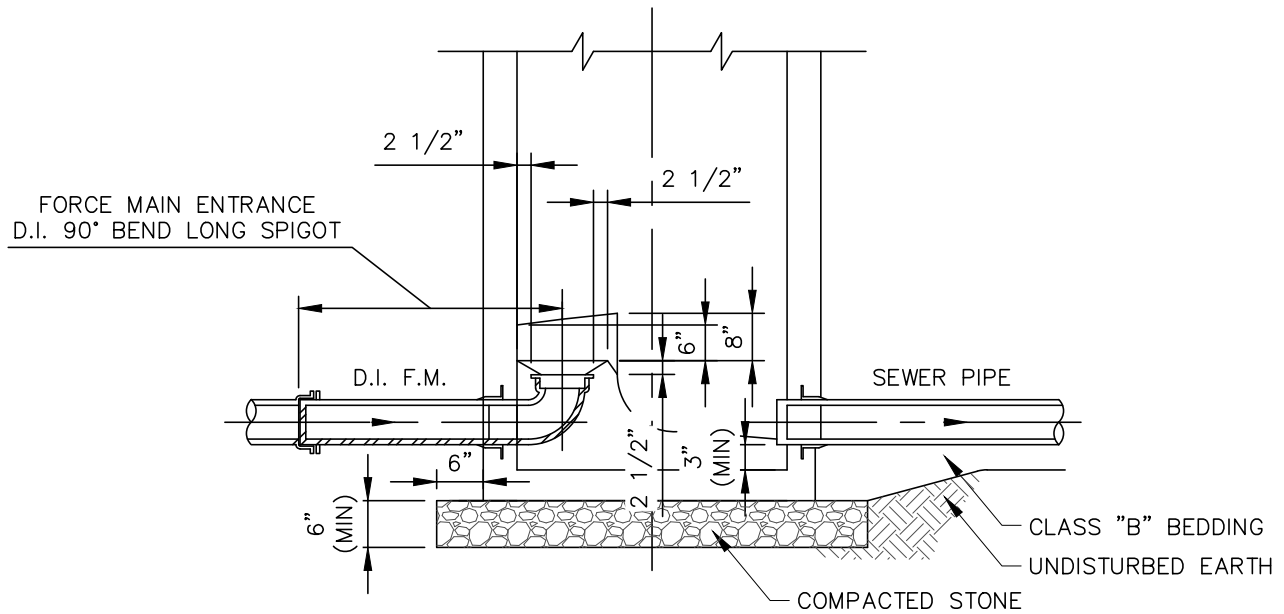
**PIER DIMENSIONS AND SECTION**

**24.1**



NOTE:  
 FORCE MAIN INVERT MAY BE  
 HIGHER THAN SEWER, BUT NO  
 LOWER HEIGHT FOR PAYMENT  
 FOR M.H. TO BE DETERMINED  
 BY SEWER INVERT.

PLAN

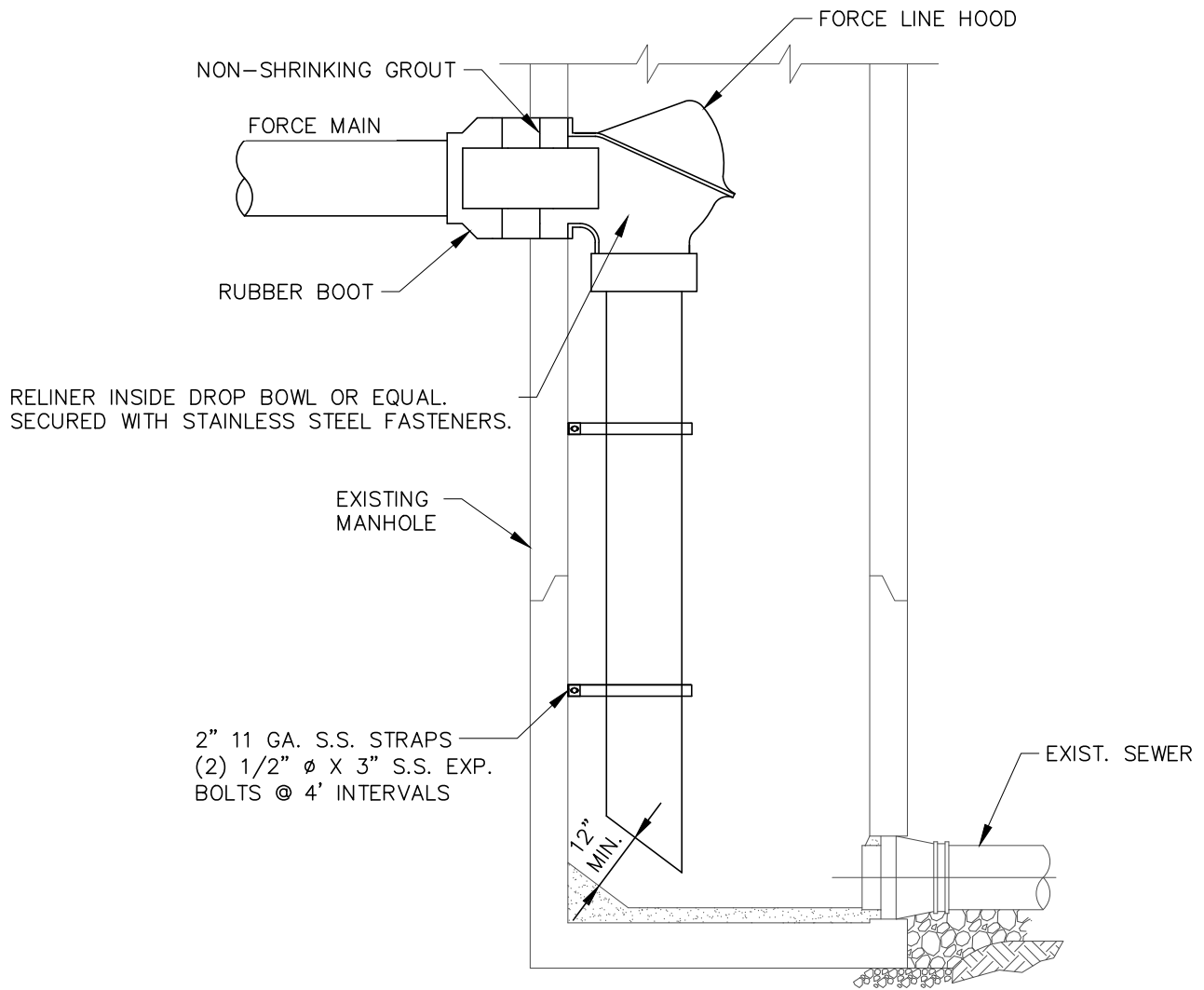


SECTION A-A

NOTE:

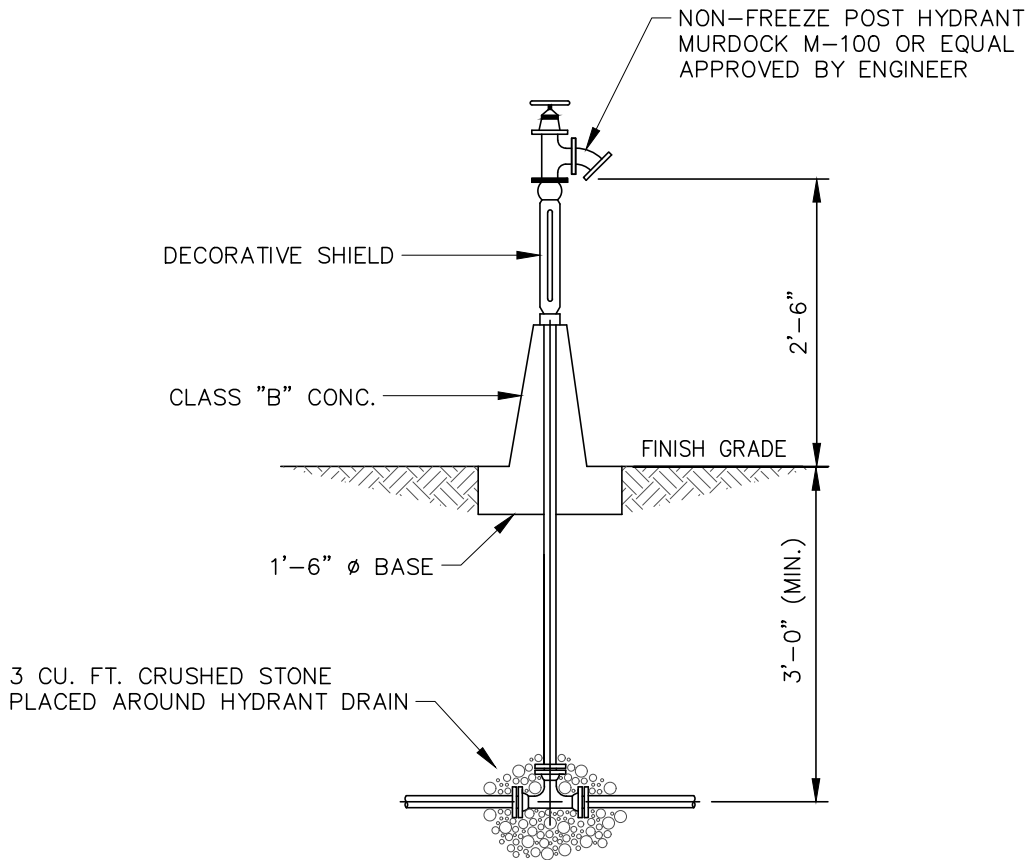
1. WASTEWATER PIPE CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE IN SUCH A MANNER THAT THE FINISHED WORK SHALL CONFORM AS NEARLY AS PRACTICABLE TO THE ESSENTIAL REQUIREMENTS SPECIFIED FOR NEW MANHOLES. THE CONTRACTOR SHALL CORE AN OPENING IN THE EXISTING MANHOLE AS NECESSARY TO INSERT THE NEW WASTEWATER PIPE. THE EXISTING CONCRETE FOUNDATION BENCH SHALL BE CHIPPED TO THE CROSS-SECTION OF THE NEW PIPE IN ORDER TO FORM A SMOOTH CONTINUOUS INVERT SIMILAR TO WHAT WOULD BE FORMED IN A NEW CONCRETE BASE. NON-SHRINK GROUT SHALL BE USED TO SEAL THE NEW LINE SO THE JUNCTION IS WATERTIGHT. THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A RECEIVING STREAM IS STRICTLY PROHIBITED.
2. INTERIOR MUST BE COATED WITH 125 MILS OF TNEMEC 436 AND 15 MILS OF 435.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>FORCE MAIN CONNECTION TO MANHOLE</b>	<b>25.1</b>



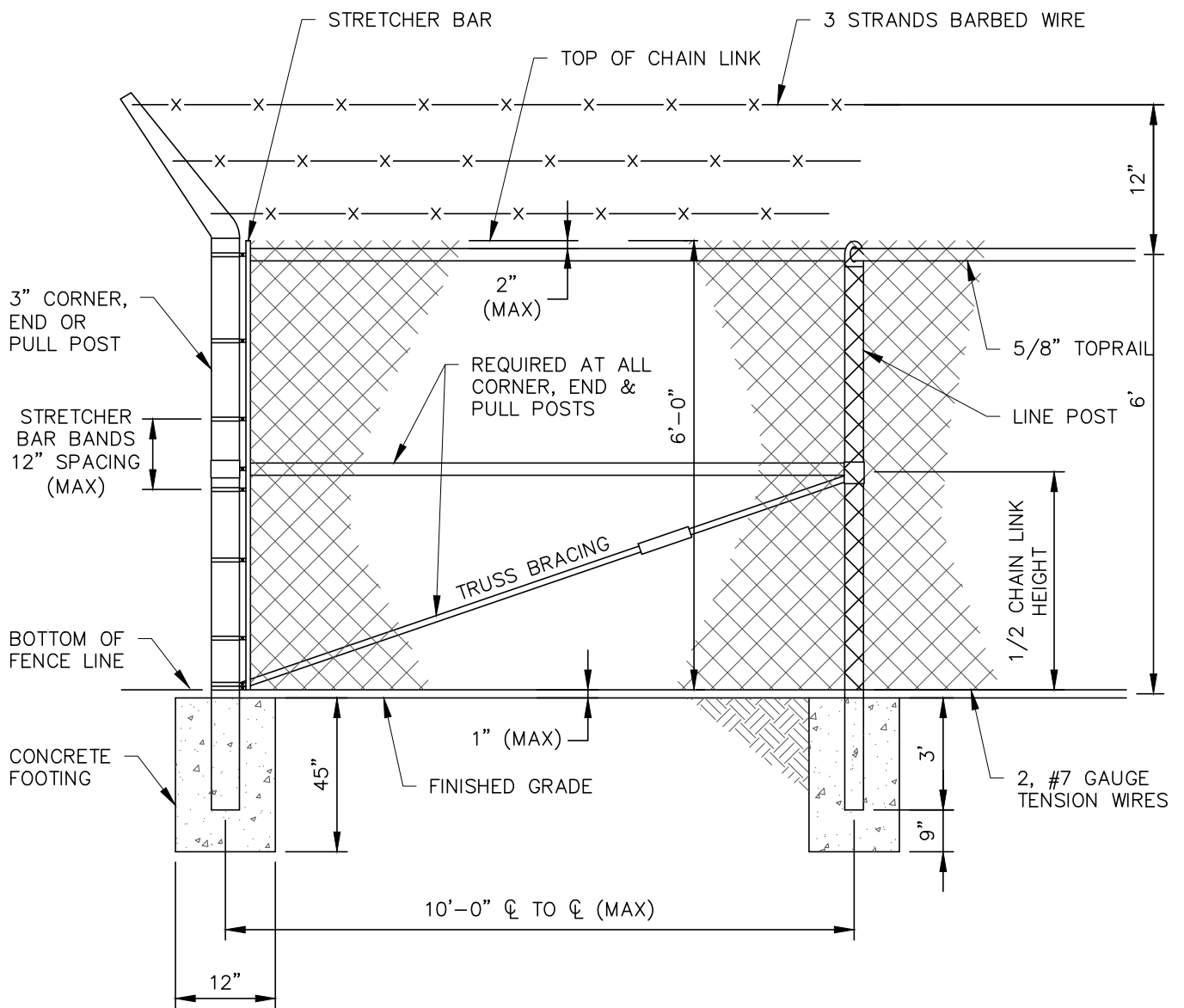
NOTE: INTERIOR MUST BE COATED WITH 125 MILS OF TNE MEC 436 AND 15 MILS OF 435.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>FORCE MAIN CONNECTION TO MANHOLE (DROP BOWL)</b>	<b>25.2</b>



**NOTE:** THE DISTANCE FROM THE WATER MAIN TO THE YARD HYDRANT SHALL BE DETERMINED IN FIELD BY ENGINEER.

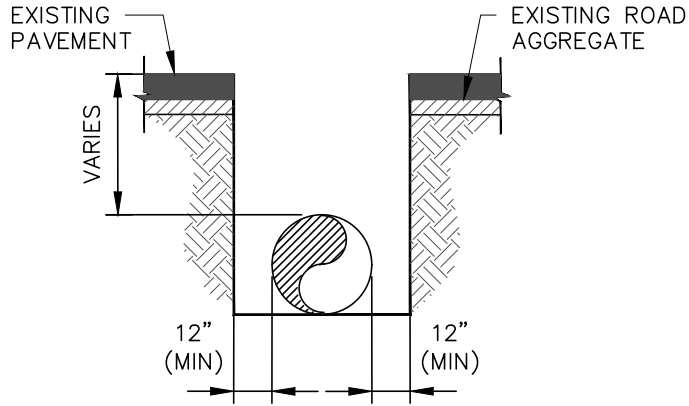
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
YARD HYDRANT	26.1



**NOTE:**

1. PROVIDE PVC COATED CHAIN LINK FOR FENCE.
2. INSTALL 14' WIDE DOUBLE SWING GATE.

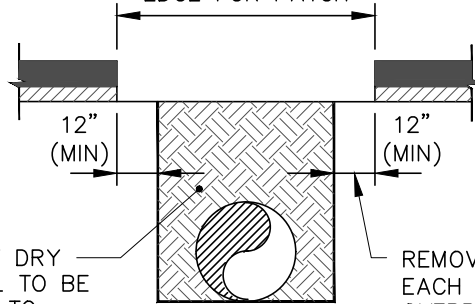
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>CHAIN LINK FENCE</b>	<b>27.1</b>



PAVEMENT TO BE SAW CUT TO NEAT LINES AND REMOVED

STAGE 1

CUT W/ CONCRETE SAW TO INSURE A STRAIGHT VERTICAL EDGE FOR PATCH

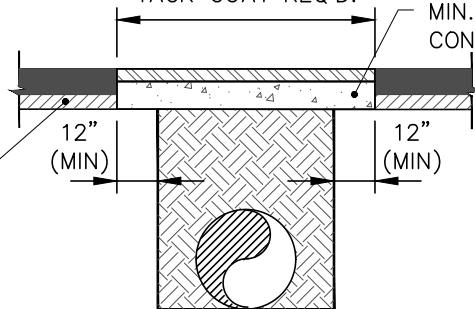


FILL COMPACTED TO 95% OF DRY MAXIMUM DENSITY. MATERIAL TO BE COMPACTED IN LAYERS NOT TO EXCEED 6".

REMOVE EXTRA 12" OF PAVEMENT ON EACH SIDE OF TRENCH OR TO VISIBLE OVERBREAK WHICHEVER IS GREATER

STAGE 2

TOP 2" TO BE REPLACED W/ SAME MATERIAL AS EXISTING SURFACE. TACK COAT REQ'D.



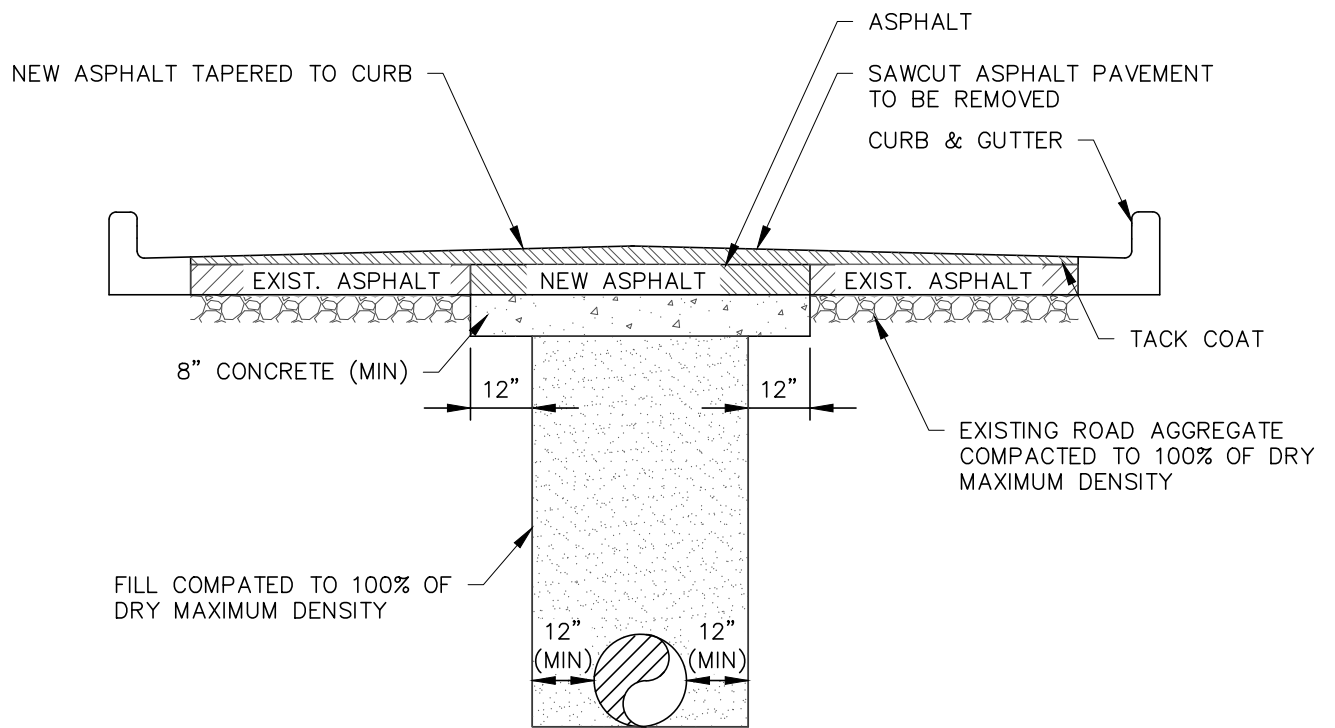
EXISTING ROAD AGGREGATE COMPACTED TO 100% OF DRY MAXIMUM DENSITY

MIN. 8" CLASS "B" PORTLAND CEMENT CONCRETE OR MIN. 12" SOIL CEMENT BASE

SURFACES TO BE CLEANED AND BITUMINOUS TACK COAT APPLIED BEFORE PLACEMENT OF TYPE "E" OR "F" ASPHALTIC.

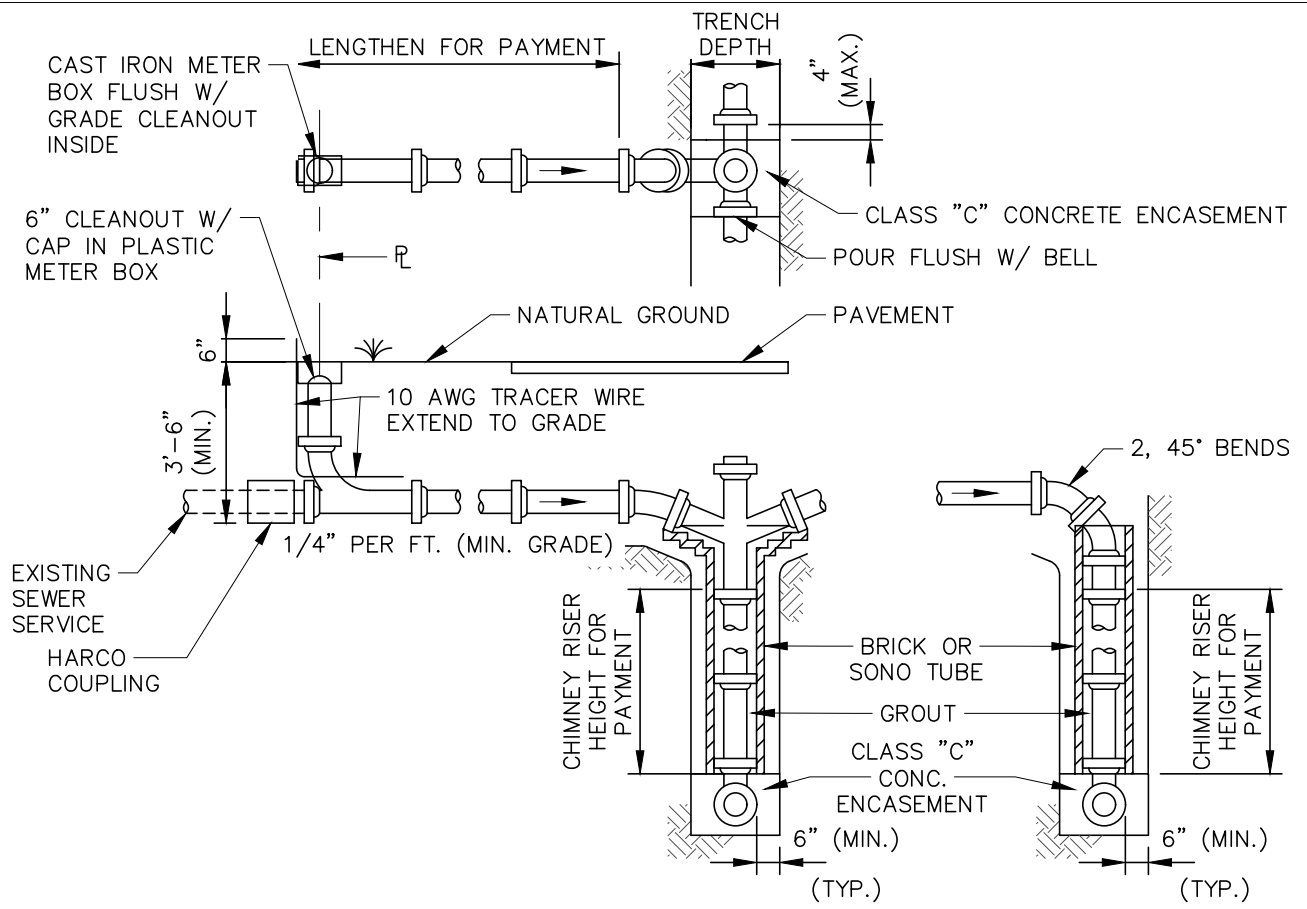
STAGE 3

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL ASPHALT REPLACEMENT</b>	<b>28.1</b>

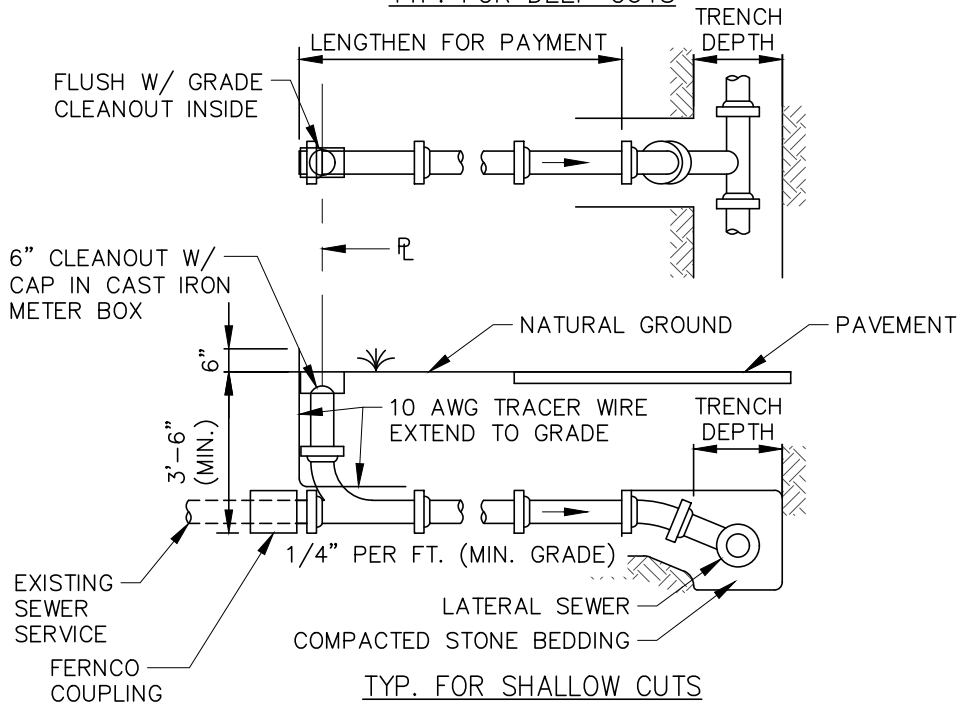


- NOTE:**
1. TAPER NEW ASPHALT PAVEMENT TO EXISTING PAVEMENT
  2. USE 9.5MM ASPHALT 1 1/8" TO 1.5" TYPE 2
  3. USE 12.5MM ASPHALT 1 3/8" TO 2.5"

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL ASPHALT TO CURB REPLACEMENT</b>	<b>29.1</b>



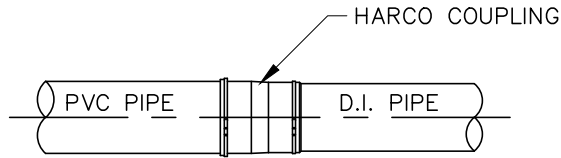
TYP. FOR DEEP CUTS



TYP. FOR SHALLOW CUTS

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL CLEANOUT ASSEMBLY</b>	<b>30.1</b>

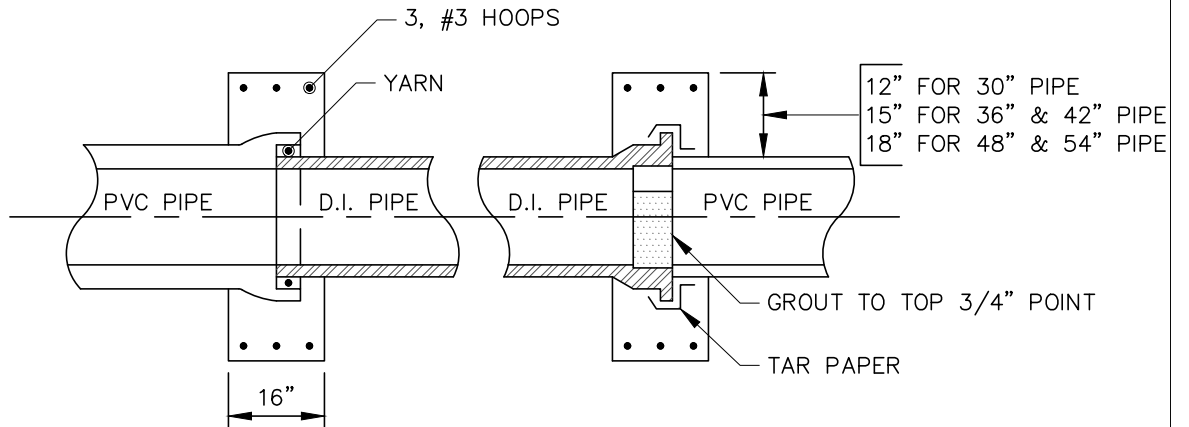




**NOTE:**

1. CONTRACTOR TO USE COUPLING AS RECOMMENDED BY MFG. IN JOINTING UNLIKE TYPES OF PIPE.
2. CONTRACTOR TO USE HARCO COUPLING IN LIEU OF CONCRETE COLLAR, PIPE SIZES 4" THRU 24".

FLEXIBLE COUPLING

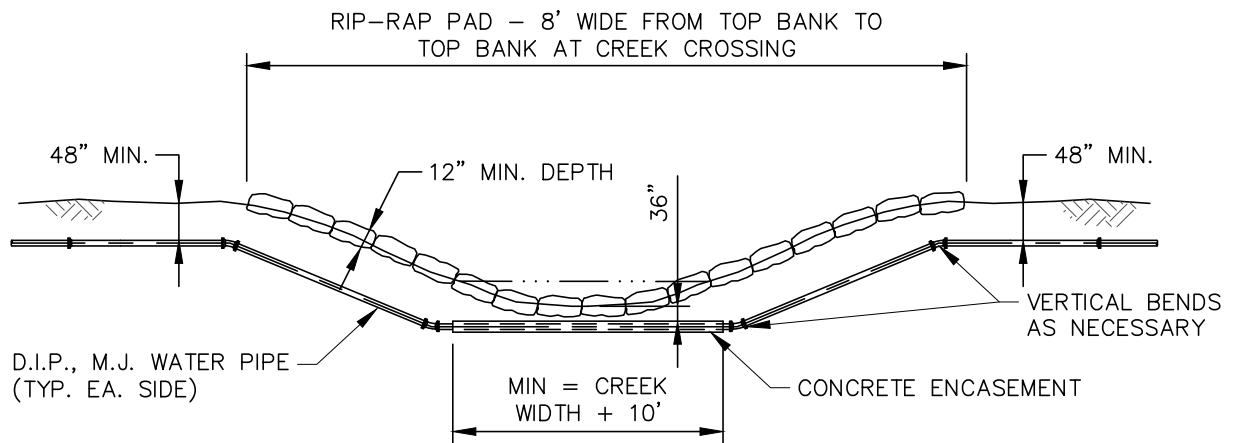


**NOTE:**

COLLAR TO BE CLASS "B" CONCRETE.

CONCRETE COLLAR

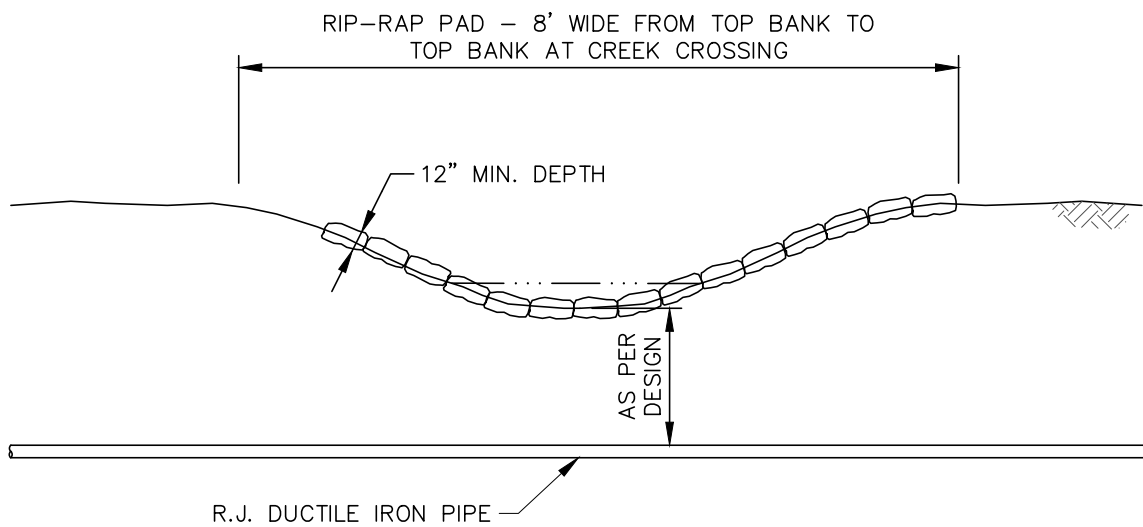
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>D.I. PIPE AND PVC PIPE CONNECTION DETAIL</b>	<b>31.1</b>



**NOTE:**

1. ALL JOINTS IN D.I.P.. M.J. USED IN CREEK CROSSINGS SHALL BE RESTRAINED WITH M.J. RETAINER GLANDS—EBAA IRON OR EQUAL.
2. PROVIDE CONCRETE ENCASEMENT WHERE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.

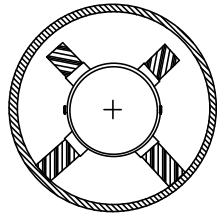
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>WATER LINE CREEK CROSSING DETAIL</b>	<b>32.1</b>



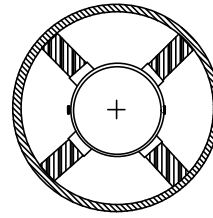
**NOTE:**

1. ALL JOINTS IN D.I.P.. M.J. USED IN CREEK CROSSINGS SHALL BE RESTRAINED WITH M.J. RETAINER GLANDS—EBAA IRON OR EQUAL.

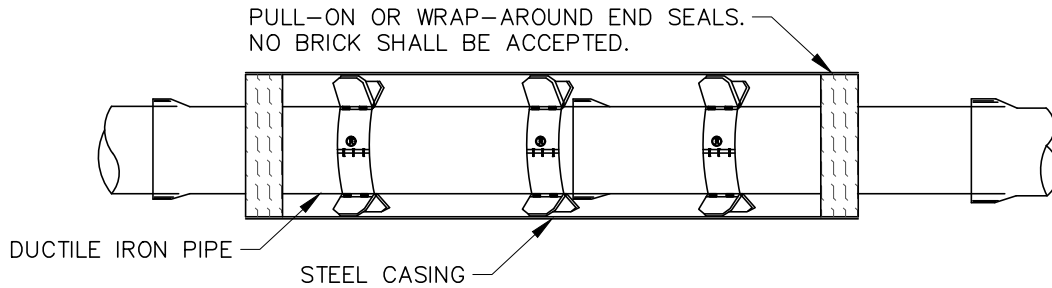
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
SEWER LINE CREEK CROSSING DETAIL	32.2



STANDARD  
POSITIONING FOR  
SANITARY SEWER



CENTERED/RESTRAINED  
POSITIONING FOR WATER MAINS  
MECHANICAL JOINT PIPE  
REQUIRED FOR WATER MAINS



**NOTES:**

1. STEEL PIPE CASING SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A252 GRADE 2 AS AMENDED TO DATE, WITH A MINIMUM YIELD STRENGTH OF 35,000 PSI BEFORE COLD FORMING. PIPE MAY BE STRAIGHT SEAM OR SPIRAL WELD.
2. CASING PIPE SHALL EXTEND A MINIMUM OF 10' BEYOND TOE OF FILL SLOPES, DITCH LINES, EDGE OF PAVEMENT OR BACK OF CURB.
3. DUCTILE IRON PIPE SHALL BE RESTRAINED JOINT WITH FIELD LOK-GASKETS.

D.I. PUSH-ON JOINT CARRIER PIPE SIZE	CASING PIPE ROADWAY	
	SIZE	THICKNESS*
4"	10"	.250"
6"	12"	.250"
8"	16"	.250"
10"	16"	.312"
12"	18"	.312"
14"	22"	.312"
16"	24"	.375"
18"	30"	.375"
20"	30"	.500"
24"	36"	.500"

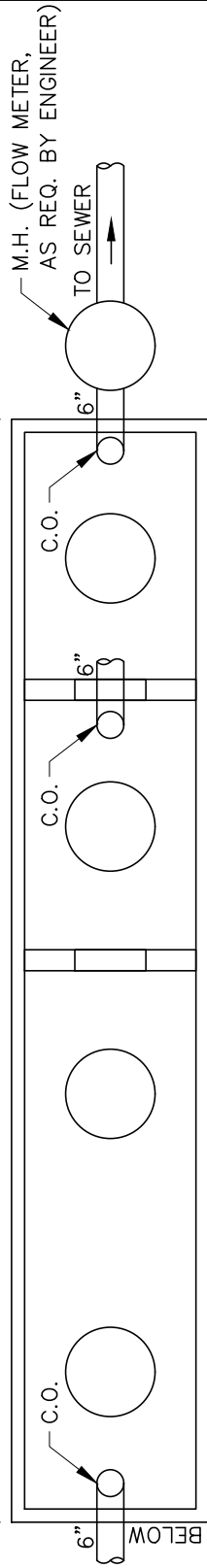
\* .063" HAS BEEN ADDED TO MIN. FOR CORROSION ALLOWANCE

**SPACER NOTES:**

1. SPACER OPTIONS: 8" WIDE BAND OR 12".
2. APPROVED TYPES ARE CASCADE OR PSI.
3. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS STANDARDS.
4. WOODEN SKIDS SHALL NOT BE ACCEPTABLE.

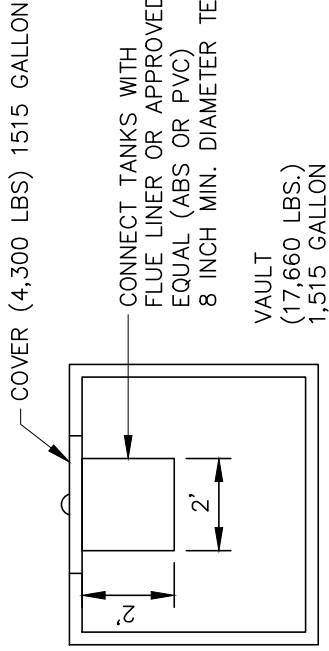
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
TYPICAL ENCASED CROSSING DETAIL	33.1

LENGTH (SEE TABLE BELOW)



GALLON CAPACITY	OUTSIDE DIMENSIONS		HEIGHT
	LENGTH	WIDTH	
1,515	9'-10"	5'-4"	7'-0"
1,077	9'-10"	4'-10"	5'-10"
785	8'-4"	4'-4"	5'-10"

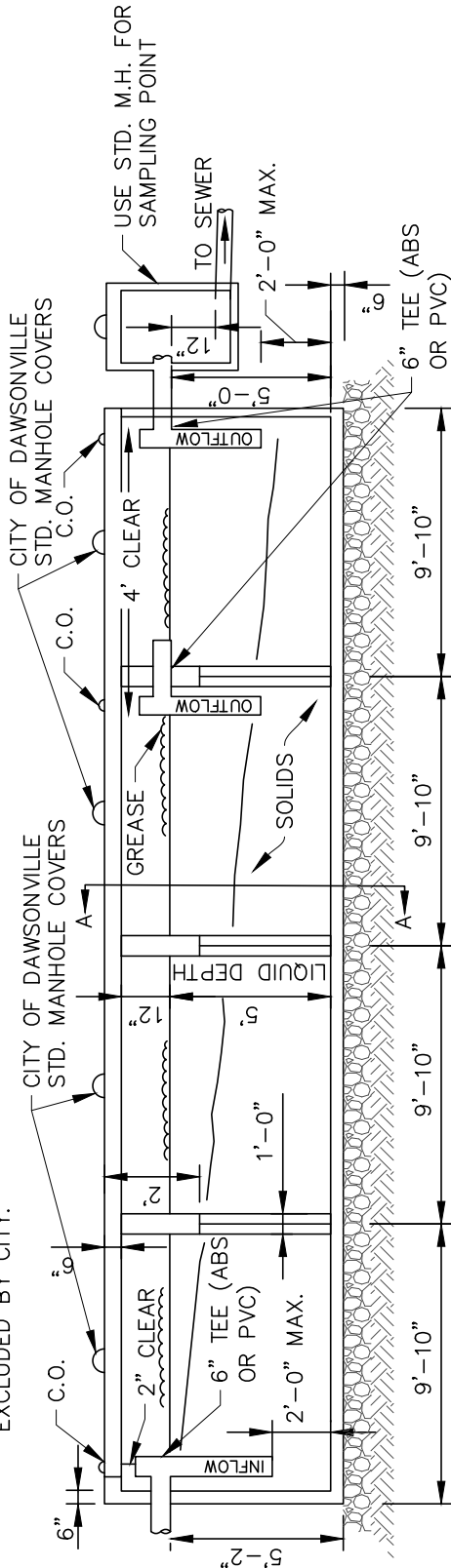
**PLAN**



**TYPICAL SECTION A-A**

**SPECIFICATIONS:**

1. CONCRETE MINIMUM STRENGTH 5,000 PSI AT 28 DAYS.
2. STEEL REINFORCEMENT ASTM A615-75 GRADE 60, ONE INCH COVER MINIMUM.
3. DESIGN LOADING AASHO HS20-44.
4. CONSTRUCTION JOINT SEALED WITH ONE INCH DIA. BUTYL RUBBER OR EQUIVALENT.
5. SAMPLING MANHOLE SHALL BE INSTALLED UNLESS EXCLUDED BY CITY.



**SECTION**

**NOTES:**

1. ANY ALTERNATIVE PRETREATMENT SYSTEMS SHALL BE APPROVED BY CITY PRIOR TO INSTALLATION.
2. USE 1515 GALLON PREFABRICATED TANKS,
3. NO INTERCEPTOR SHALL BE LESS THAN 750 GALLONS WHERE SEATING IS LESS THAN 50 AND NO SINGLE CHAMBER INTERCEPTOR SHALL BE GREATER THAN 3,000 GALLONS.
4. FOR RESTAURANTS USE MINIMUM ONE 1,515 GALLON TANK PER 50 SEATS.
5. ALL MULTI-CHAMBERED SYSTEMS SHALL HAVE AT LEAST 2 BAFFLED OR OUTLET CONTROL CHAMBERS PRIOR TO DISCHARGE TO THE SEWER.

**CITY OF DAWSONVILLE**

SCALE: NOT TO SCALE

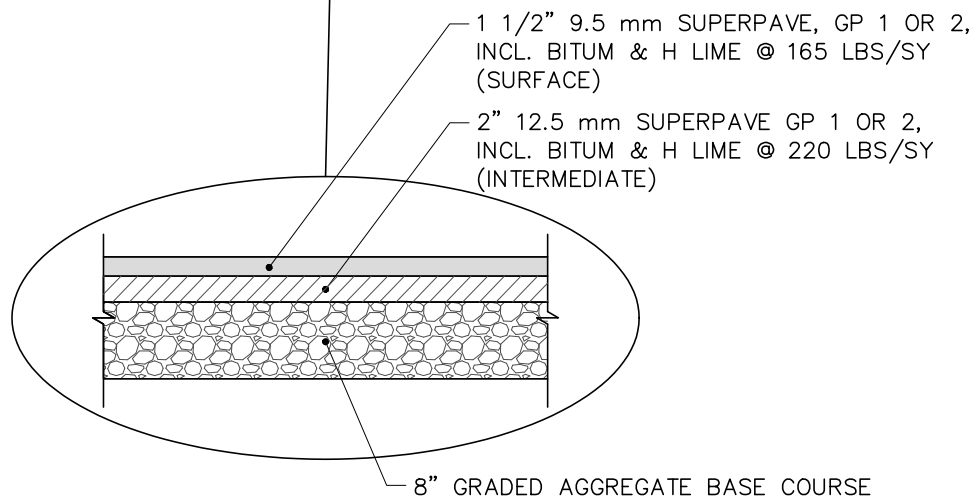
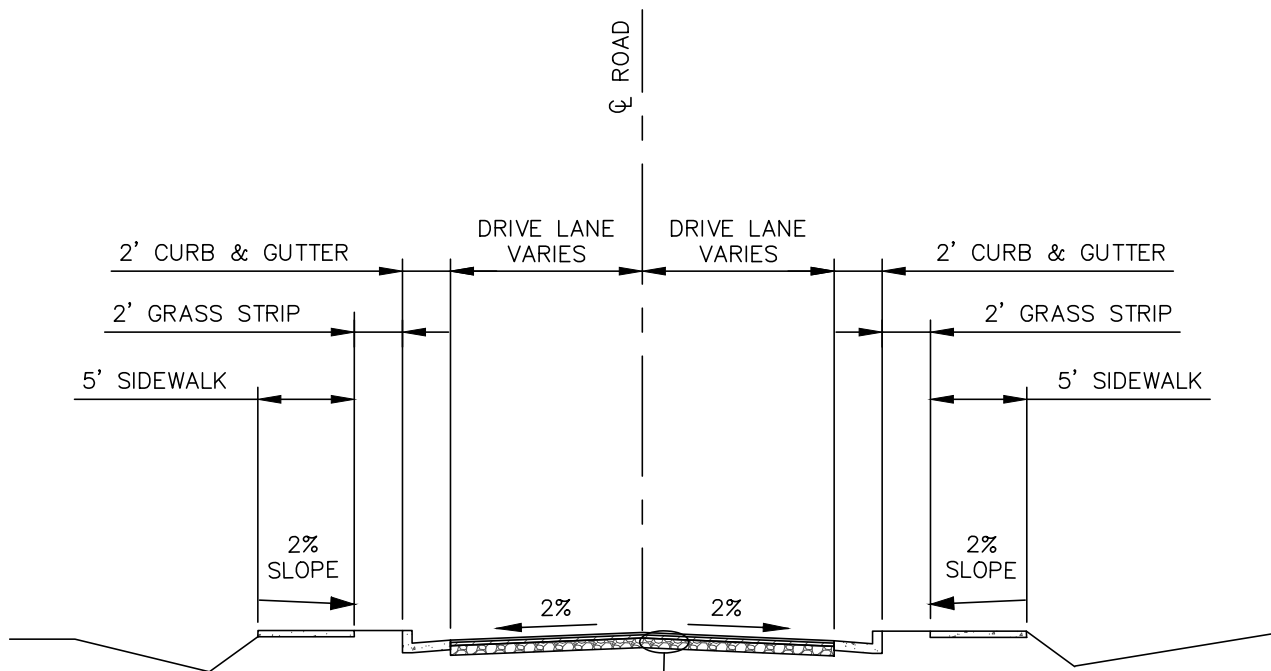
DATE: OCTOBER 15, 2021

DETAIL TITLE

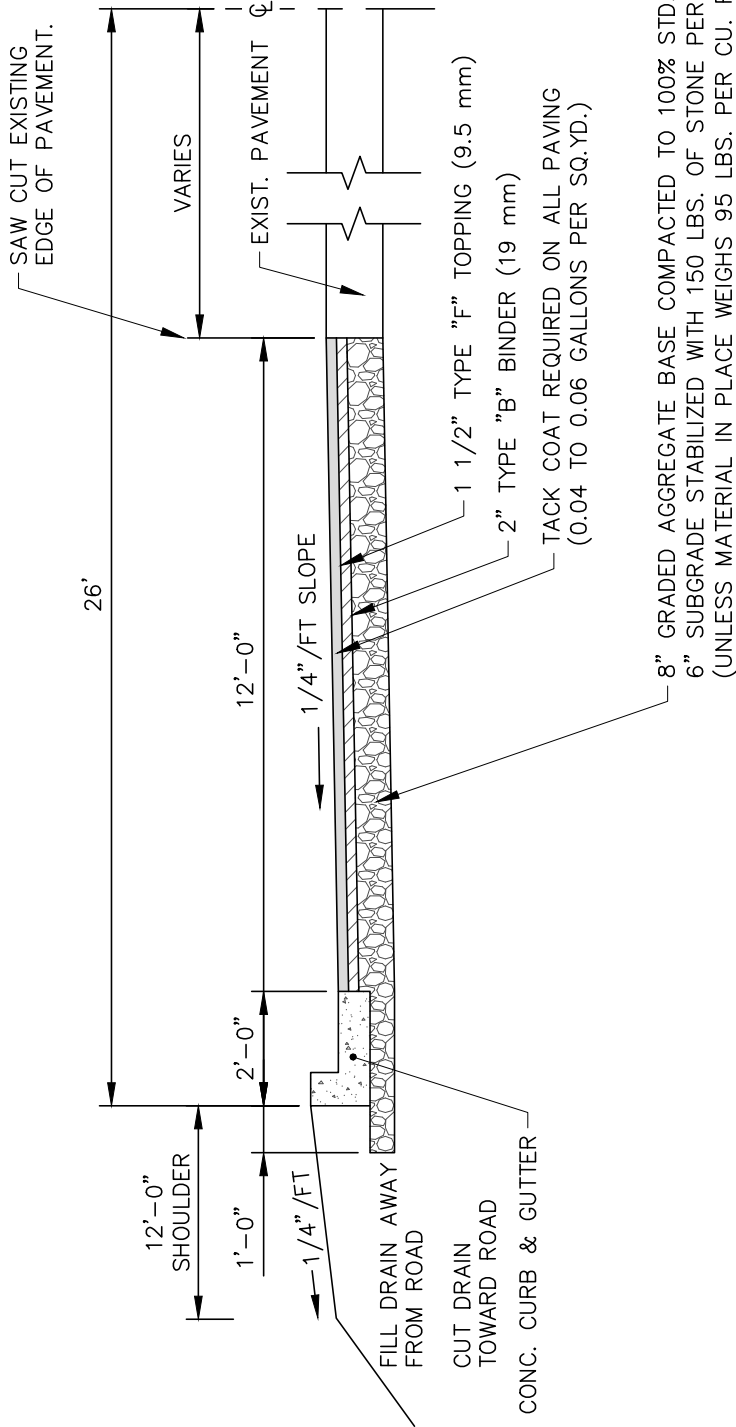
DETAIL NO.

**GREASE/SOLIDS/OIL INTERCEPTOR**

**33.2**



<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>TYPICAL SECTION SUBDIVISION ROAD</b>	<b>34.1</b>

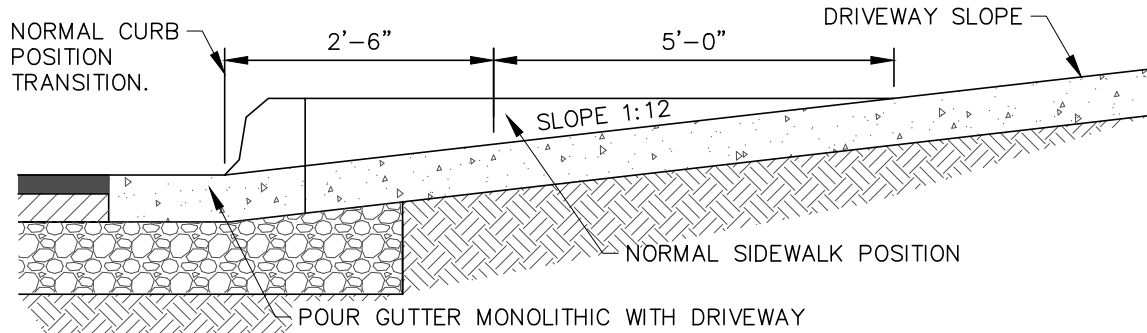
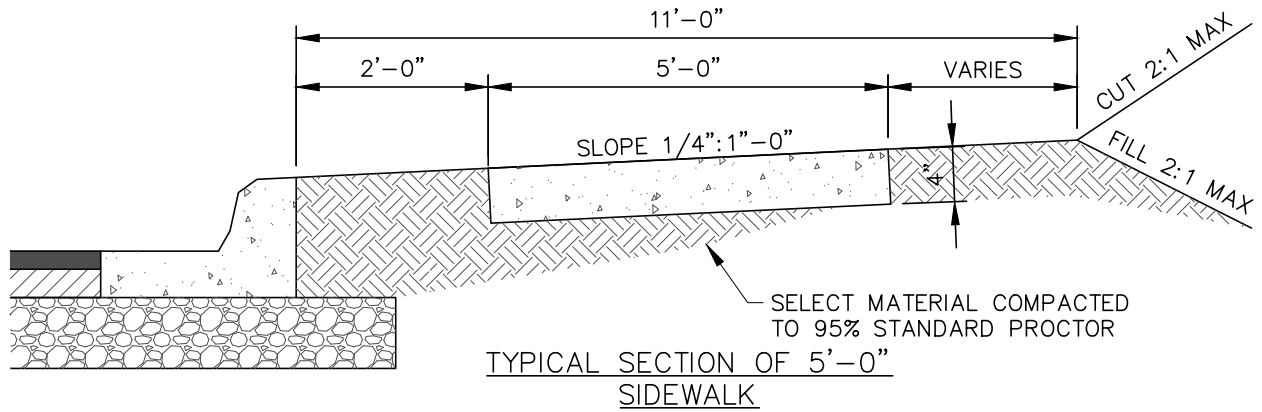


DECELERATION LANE TYPICAL SECTION

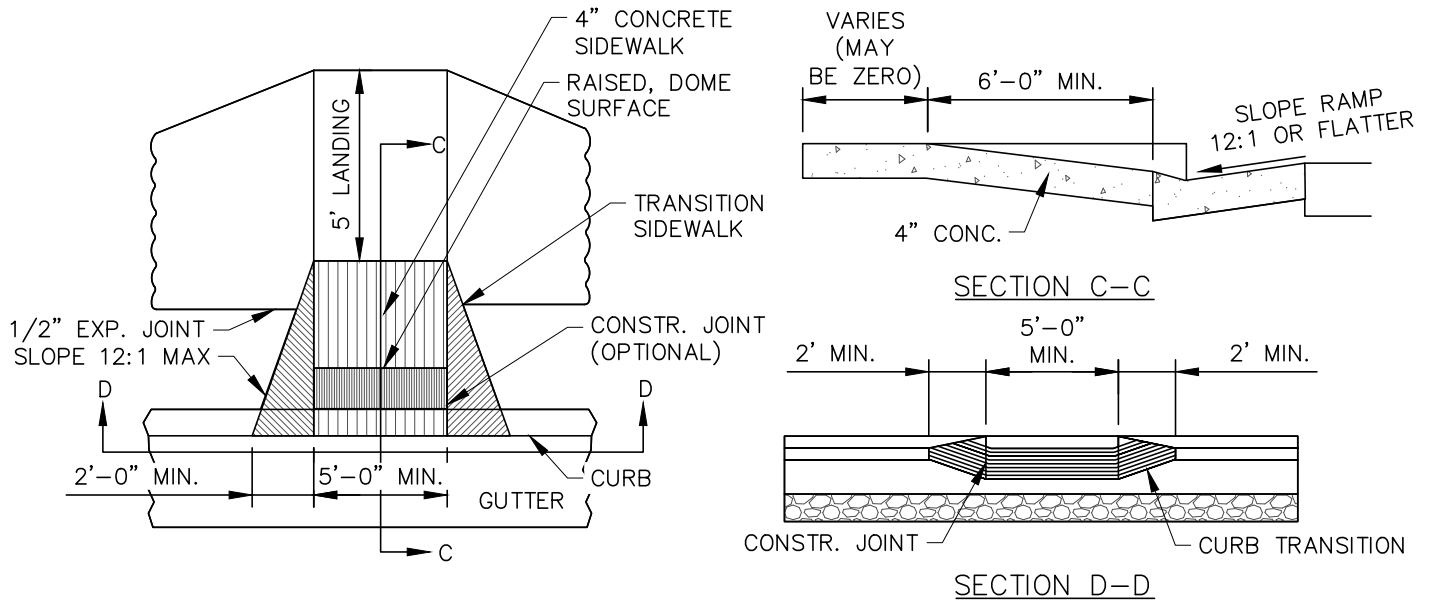
NOTE:

1. ALL ASPHALT MIX MUST HAVE A MINIMUM 5% ASPHALT CEMENT CONTENT.
2. DIVIDED HIGHWAYS OR MAJOR COLLECTOR ROADS WILL REQUIRE MATCHING MAIN LINE TYPICAL SECTION OF 10" GAB, 4" ASPHALT BASE, 2" ASPHALT BINDER, 1 1/2" (12.5 MM) TOPPING.

CITY OF DAWSONVILLE	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
TYPICAL ROAD SECTION	34.2



SIDEWALK SECTION AT DRIVEWAY  
(STREET WITH CURB & CUTTER)



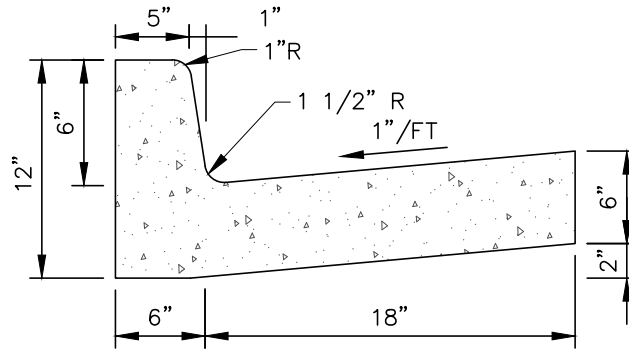
TYPICAL SIDEWALK TO CURB TRANSITION DETAILS  
(MODIFY AS NECESSARY FOR CURVE)

**NOTE:**

1. 1/2" PREMOULDED EXPANSION JOINT AT DRIVEWAYS, CATCH BASINS AND AT MIN. 60'-0" O.C. HORIZONTALLY.
2. MATERIAL OF 95#/CU. FT. OR BETTER OF SELECT MATERIAL.
3. ALL EXPOSED UNPAVED AREAS TO BE COVERED WITH A STAND OF GRASS.
4. SIDEWALK TO BE CONSTRUCTED OF CLASS "A" 3,000 P.S.I. CONCRETE.
5. ALL CURB CUTS AREA TO BE SAW CUT PERPENDICULAR TO CURB LINE. CONTRACTION JOINTS 3/8" WIDE X 1/2" DEEP EVERY 10'.

<b>CITY OF DAWSONVILLE</b>		
SCALE: NOT TO SCALE		DATE: OCTOBER 15, 2021
DETAIL TITLE		DETAIL NO.
<b>TYPICAL SECTION OF A 5'-0" SIDEWALK</b>		<b>35.1</b>



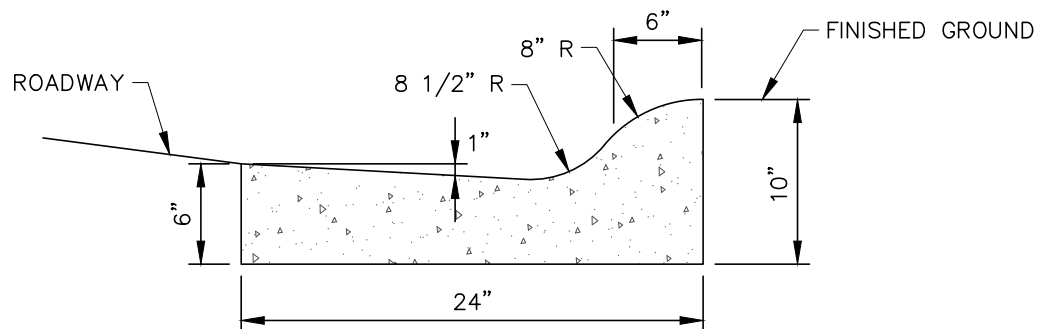


24" STANDARD CURB

6" X 24" X 12"  
 3,000 P.S.I. CONC. @ 28 DAYS  
 1/2" EXPANSION JOINTS OR PREMOLDED BITUMINOUS  
 EXPANSION JOINT MATERIAL SHALL BE PROVIDED AT ALL  
 STRUCTURES AND RADIUS POINTS & AT INTERVALS NOT TO  
 EXCEED 200' IN THE REMAINDER OF THE CURB & GUTTER.

\*REQUIRED FOR COMMERCIAL USE AND NEGATIVE GRADE CUL-DE-SACS.

NOTE: CONTRACTION JOINTS SHALL BE INSTALLED 1/2" DEEP AT 10' INTERVALS  
 HOT & COLD WEATHER PROTECTION MUST BE PROVIDED PER GDOT SPEC.

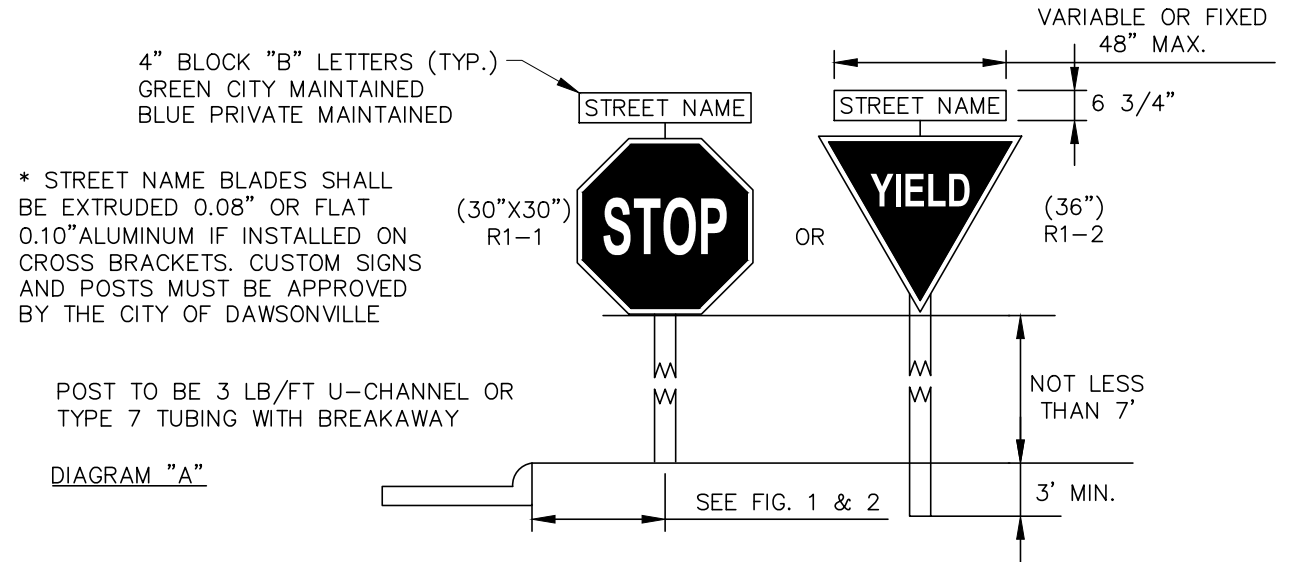
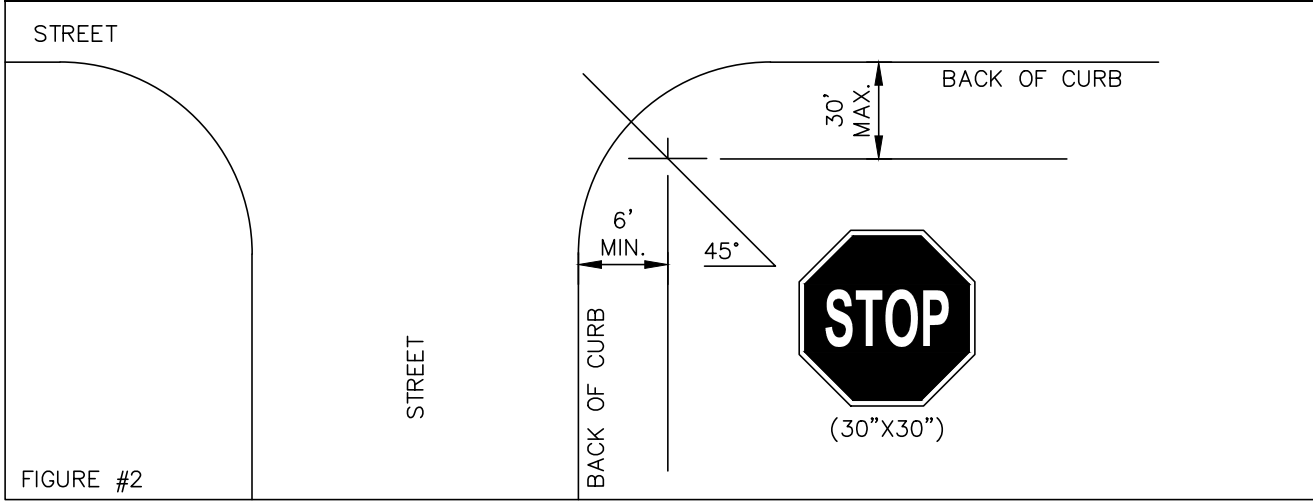
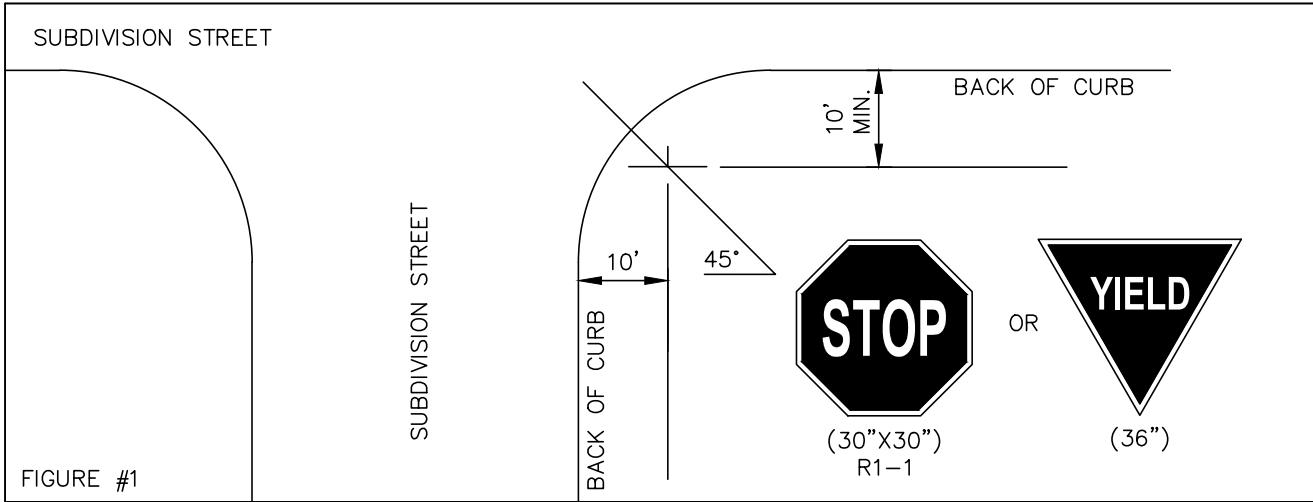


TYPICAL ROLL CURB

3,000 P.S.I. CONC. @ 28 DAYS  
 1/2" EXPANSION JOINTS OR PREMOLDED BITUMINOUS  
 EXPANSION JOINT MATERIAL SHALL BE PROVIDED AT ALL  
 STRUCTURES AND RADIUS POINTS & AT INTERVALS NOT TO  
 EXCEED 200' IN THE REMAINDER OF THE CURB & GUTTER.

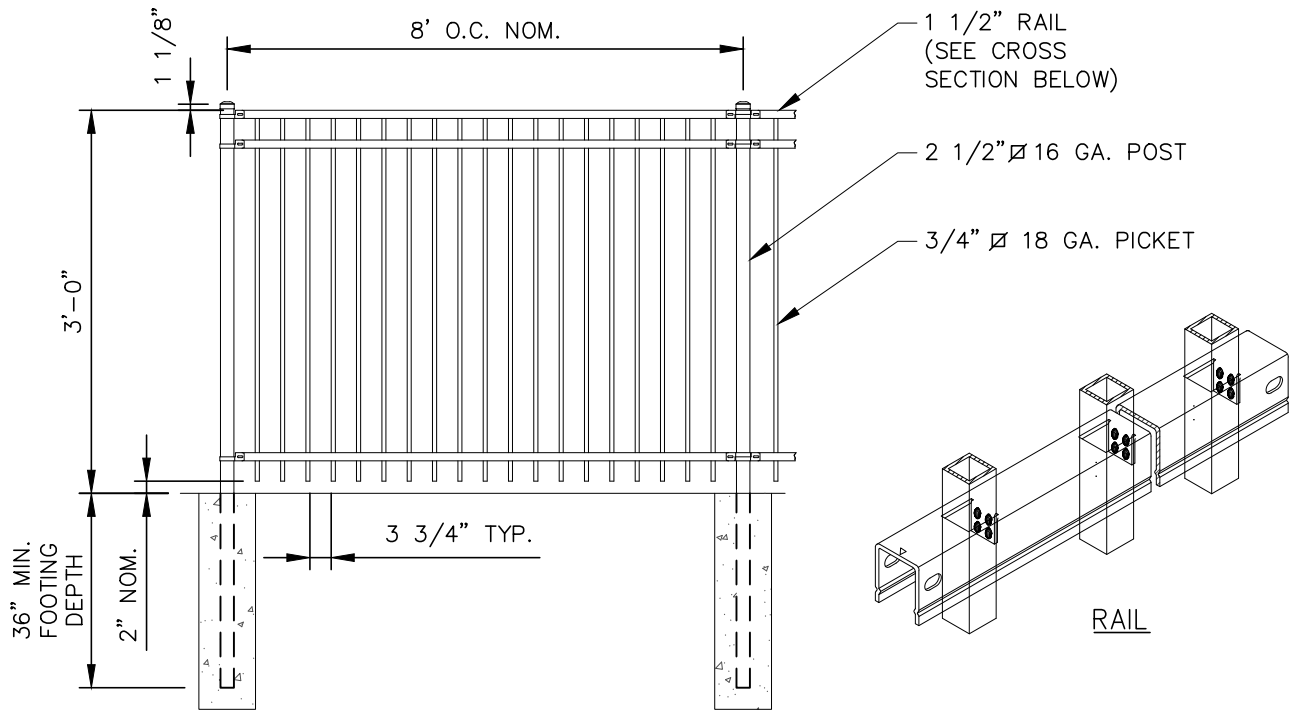
NOTE: CONTRACTION JOINTS SHALL BE INSTALLED 1/2" DEEP AT 10' INTERVALS  
 HOT & COLD WEATHER PROTECTION MUST BE PROVIDED PER GDOT SPEC.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>STANDARD CONSTRUCTION DETAILS - CURBING</b>	<b>36.1</b>



NOTE: ALL SIGNS MUST CONFORM TO ALL REQUIREMENTS OF THE CURRENT M.U.T.C.D

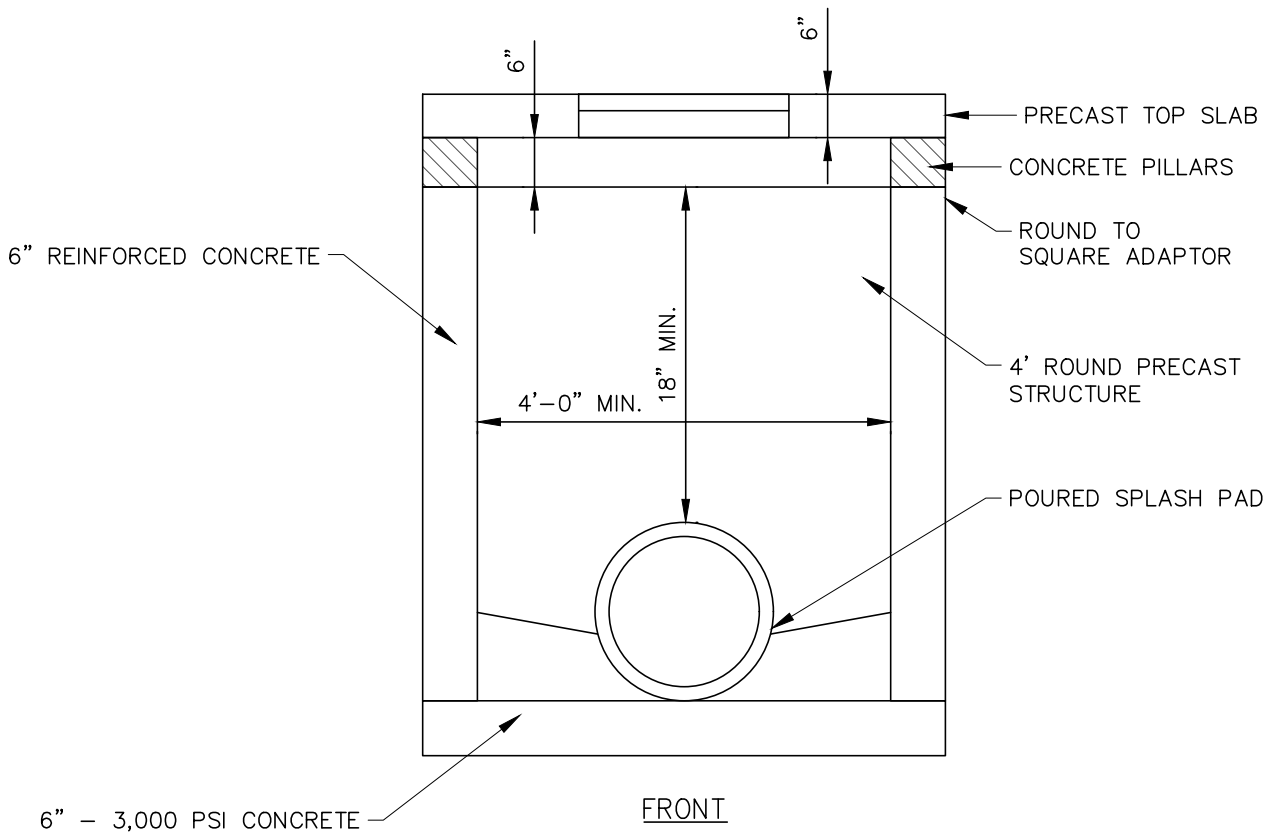
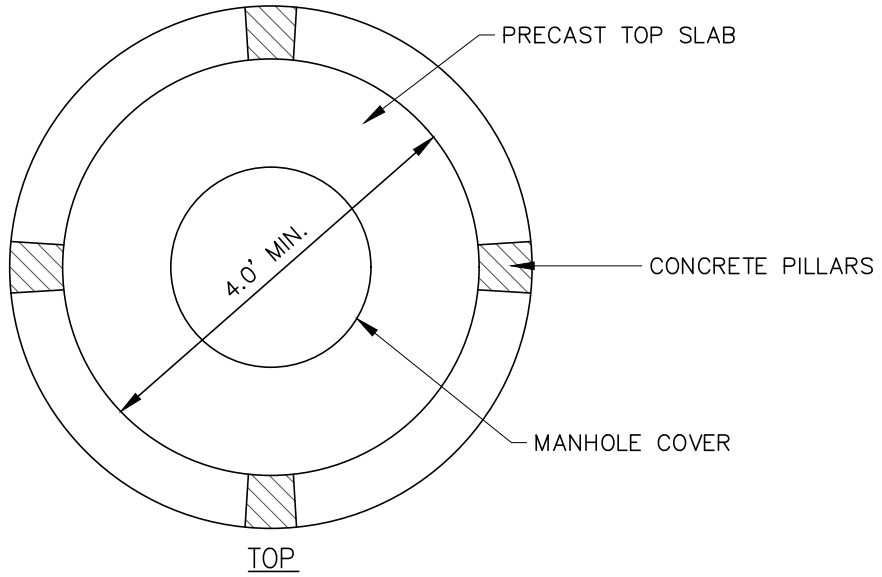
<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>STREET SIGN LOCATION &amp; SPECIFICATION</b>	<b>36.2</b>



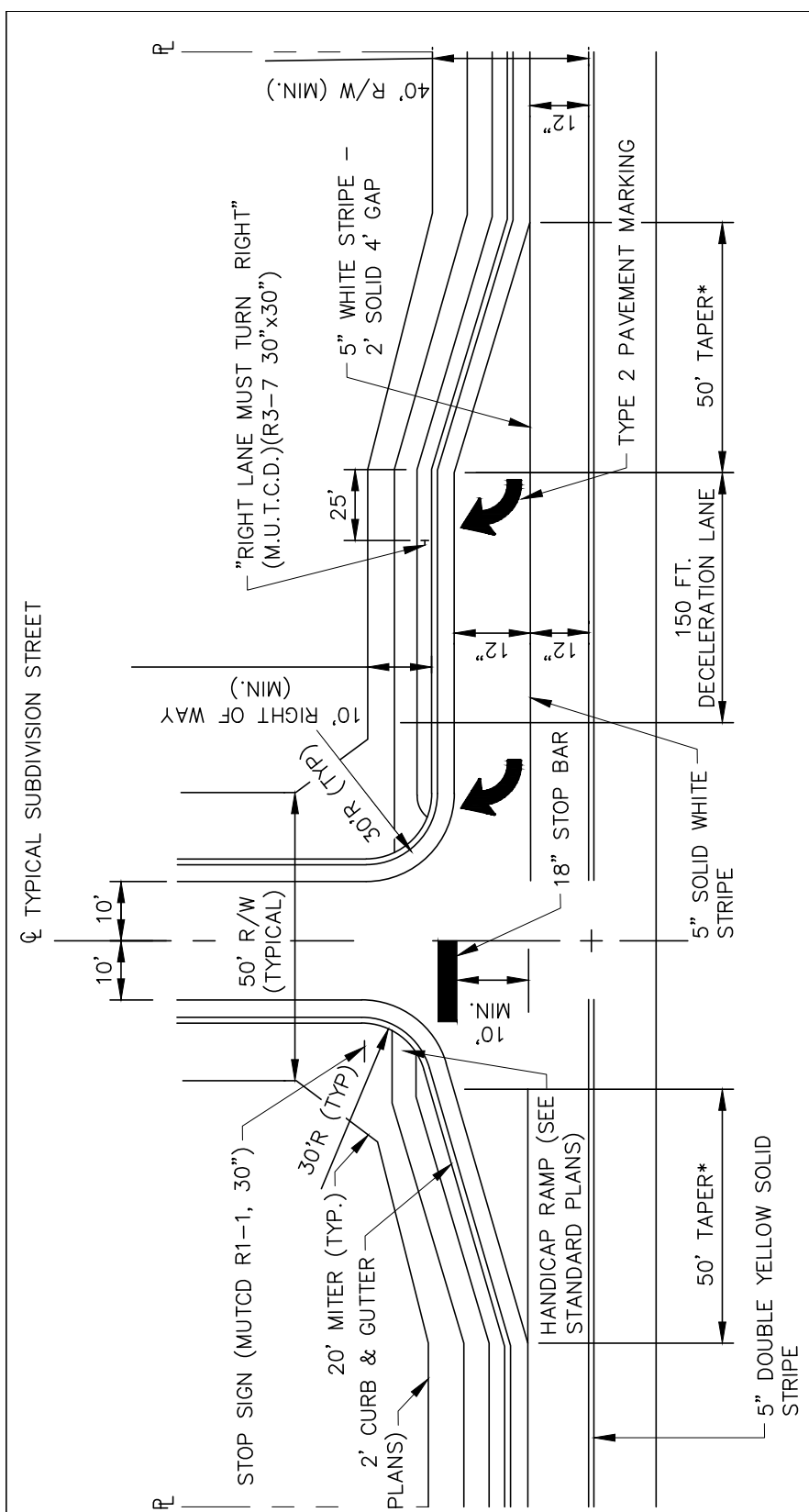
NOTES:

1. WELDED ORNAMENTAL STEEL FENCE SYSTEM SHALL BE MONTAGE PLUS, MAJESTIC STYLE 3-RAIL PANELS WITH 4" AIR GAP MANUFACTURED BY AMERISTAR.
2. SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.
3. UPON RECEIPT AT THE JOB SITE, ALL MATERIALS SHALL BE CHECKED TO ENSURE THAT NO DAMAGE OCCURRED DURING SHIPPING OR HANDLING. MATERIALS SHALL BE STORED IN SUCH A MANNER TO ENSURE PROPER VENTILATION AND DRAINAGE, AND TO PROTECT AGAINST DAMAGE, WEATHER AND VANDALISM.
4. ALL STRUCTURAL FENCE COMPONENTS (I.E. RAILS, PICKETS, AND POSTS) SHALL BE WARRANTED WITHIN SPECIFIED LIMITATIONS, BY THE MANUFACTURER AS STATED IN THE PRODUCT WARRANTY. WARRANTY SHALL COVER ANY DEFECTS IN MATERIAL FINISH, INCLUDING CRACKING, PEELING, CHIPPING, BLISTERING OR CORRODING.
5. REIMBURSEMENT FOR LABOR NECESSARY TO RESTORE OR REPLACE COMPONENTS THAT HAVE BEEN FOUND TO BE DEFECTIVE UNDER THE TERMS OF MANUFACTURES WARRANTY SHALL BE GUARANTEED FOR FIVE (5) YEARS FROM DATE OF ORIGINAL PURCHASE.
6. STEEL MATERIAL FOR FENCE PANELS AND POSTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A653/A653M, WITH A MINIMUM YIELD STRENGTH OF 45,000 PSI (310 MPA) AND A MINIMUM ZINC (HOT-DIP GALVANIZED) COATING WEIGHT OF 0.60 OZ/FT2 (184 G/M2), COATING DESIGNATION G-60.
7. MATERIAL FOR PICKETS SHALL BE 5/8" SQUARE X 18 GA. TUBING. THE RAILS SHALL BE STEEL CHANNEL, 1.25" X 0.92" X 14 GA. PICKET HOLES IN THE RAIL SHALL BE SPACED (SPECIFY 4.334" O.C. FOR STANDARD PICKET SPACE). FENCE POSTS SHALL BE A MINIMUM OF 2" SQUARE X 16 GA.
8. WHEN CUTTING/DRILLING RAILS OR POSTS ADHERE TO THE FOLLOWING STEPS TO SEAL THE EXPOSED STEEL SURFACES; 1) REMOVE ALL METAL SHAVINGS FROM CUT AREA. 2) APPLY ZINC-RICH PRIMER TO THOROUGHLY COVER CUT EDGE AND/OR DRILLED HOLE; LET DRY. 3) APPLY 2 COATS OF CUSTOM FINISH PAINT MATCHING FENCE COLOR. FAILURE TO SEAL EXPOSED SURFACES PER STEPS 1-3 ABOVE WILL NEGATE WARRANTY. AMERISTAR SPRAY CANS OR PAINT PENS SHALL BE USED TO PRIME AND FINISH EXPOSED SURFACES; IT IS RECOMMENDED THAT PAINT PENS BE USED TO PREVENT OVERSPRAY. USE OF NON-AMERISTAR PARTS OR COMPONENTS WILL NEGATE THE MANUFACTURES' WARRANTY.
9. THE COLOR SHALL BE BLACK.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>ORNAMENTAL STEEL HANDRAIL DETAIL</b>	<b>37.1</b>



<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>WEIR INLET DETAIL (PEDESTAL INLET)</b>	<b>38.1</b>

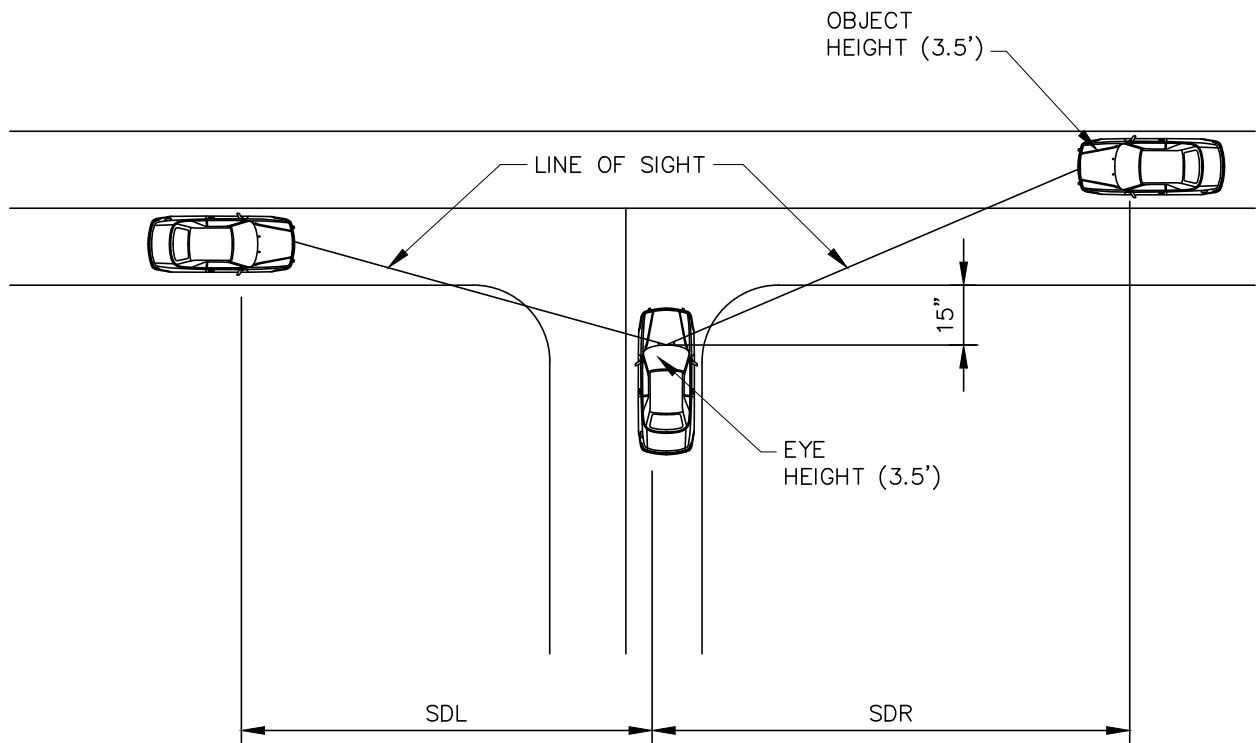


\*NOTE: TAPERS ARE NOT CURBED WHEN JOINING AN UNCURBED ROAD.

SHOW THE FOLLOWING NOTES ON THE APPROVED PLAN:

- A) SIGNING, STRIPING, MARKING, AND HIGH LEVEL WARNING DEVICES TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE CITY OF DAWSONVILLE INSPECTOR. THIS TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE.
- B) WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON EXISTING ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.
- C) ALL WARNING DEVICES SHALL BE EITHER TYPE I BARRICADES OR DRUMS WITH WARNING LIGHTS ON EVERY OTHER DEVICE, AND SHALL CONFORM WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND CITY OF DAWSONVILLE FOR COLOR, SIZE REFLECTIVITY, HEIGHT, AND PLACEMENT
- D) MAXIMUM SPACING OF WARNING DEVICES SHALL BE EQUAL TO THE POSTED SPEED OF THE ROAD IN M.P.H (I.E. 30 FOOT SPACING FOR 30 M.P.H SPEED LIMIT)
- E) ALL SIGNS SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT AND PLACEMENT.
- F) STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING GEORGIA D.O.T. STANDARD THERMOPLASTIC.
- G) CONFLICTING STRIPING SHALL BE REMOVED BY GRINDING, OR OVERLAY AS SPECIFIED BY THE CITY OF DAWSONVILLE.
- H) ALL SIGNS MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>DECELERATION LANE</b>	<b>39.1</b>



ARTERIAL SPEED, MPH	SIGHT DISTANCE, FT				
	2 LANE SDL=SDR	3 AND 4 LANES		5 AND 6 LANES	
		SDL	SDR	SDL	SDR
30	335	350	375	400	420
35	390	410	440	465	490
40	445	470	500	530	560
45	500	530	560	595	630
50	555	590	625	660	700
55	610	650	685	730	770
60	665	705	750	795	840
65	720	765	810	860	910

<b>CITY OF DAWSONVILLE</b>	
SCALE: NOT TO SCALE	DATE: OCTOBER 15, 2021
DETAIL TITLE	DETAIL NO.
<b>INTERSECTION SIGHT DISTANCE REQUIREMENTS</b>	<b>40.1</b>