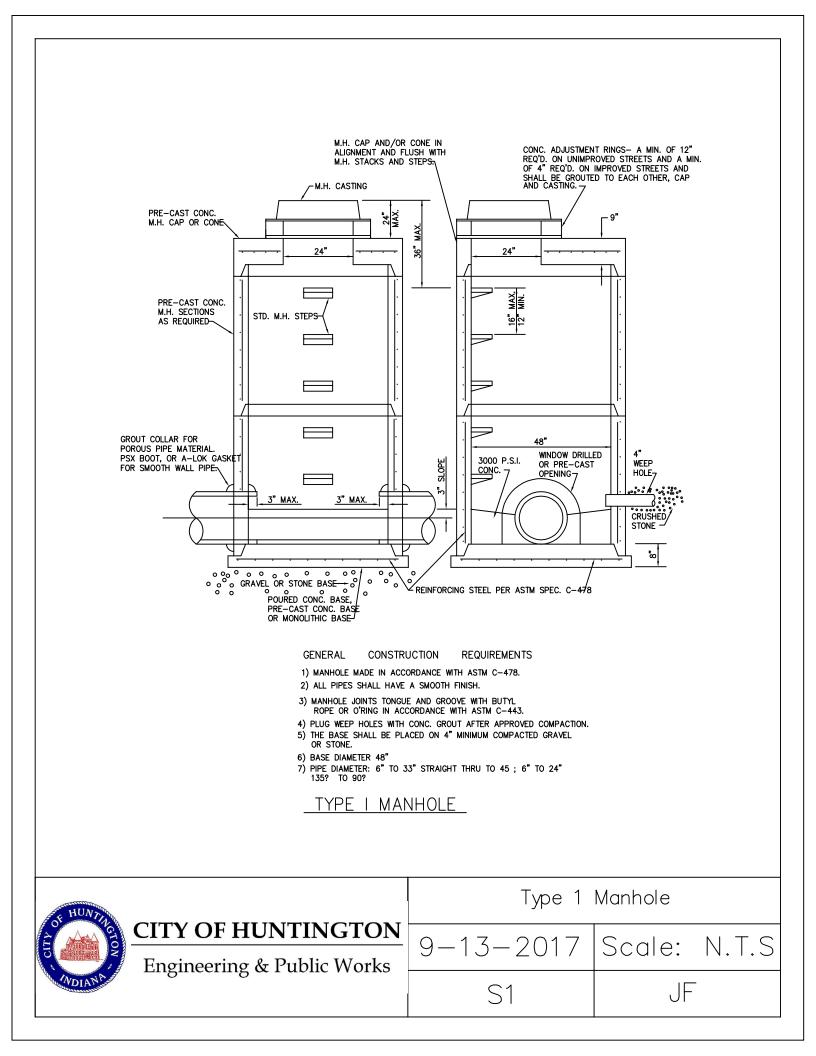
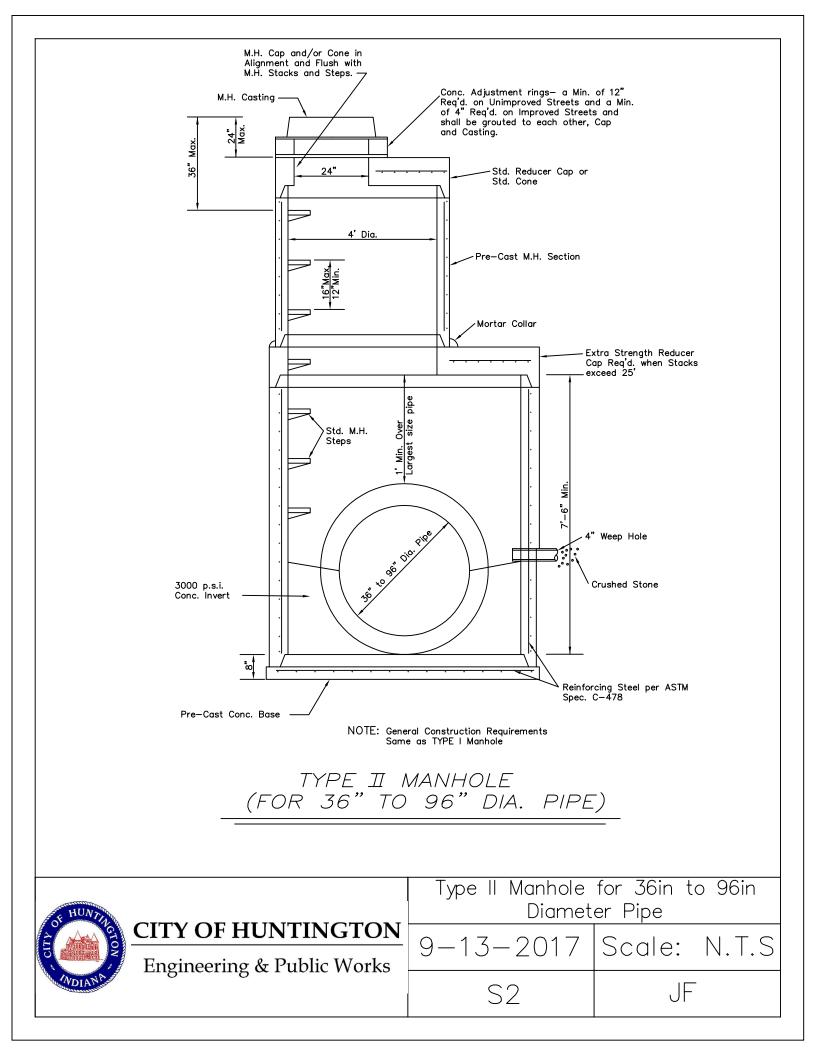
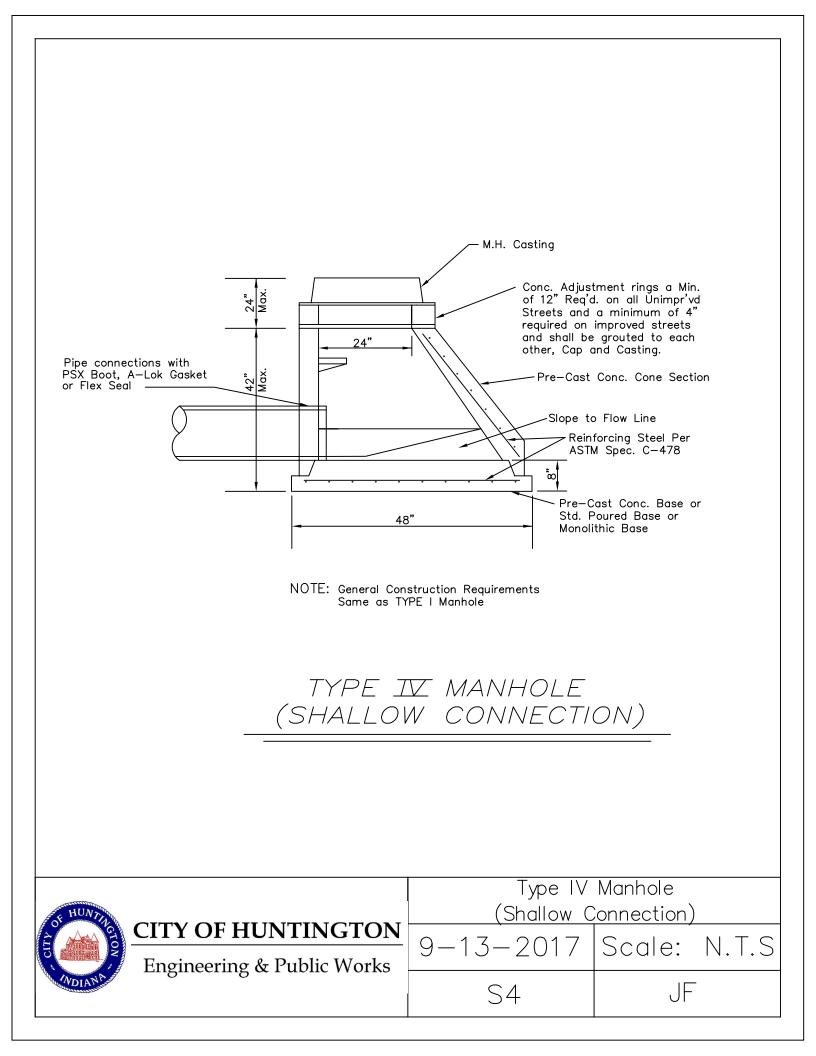
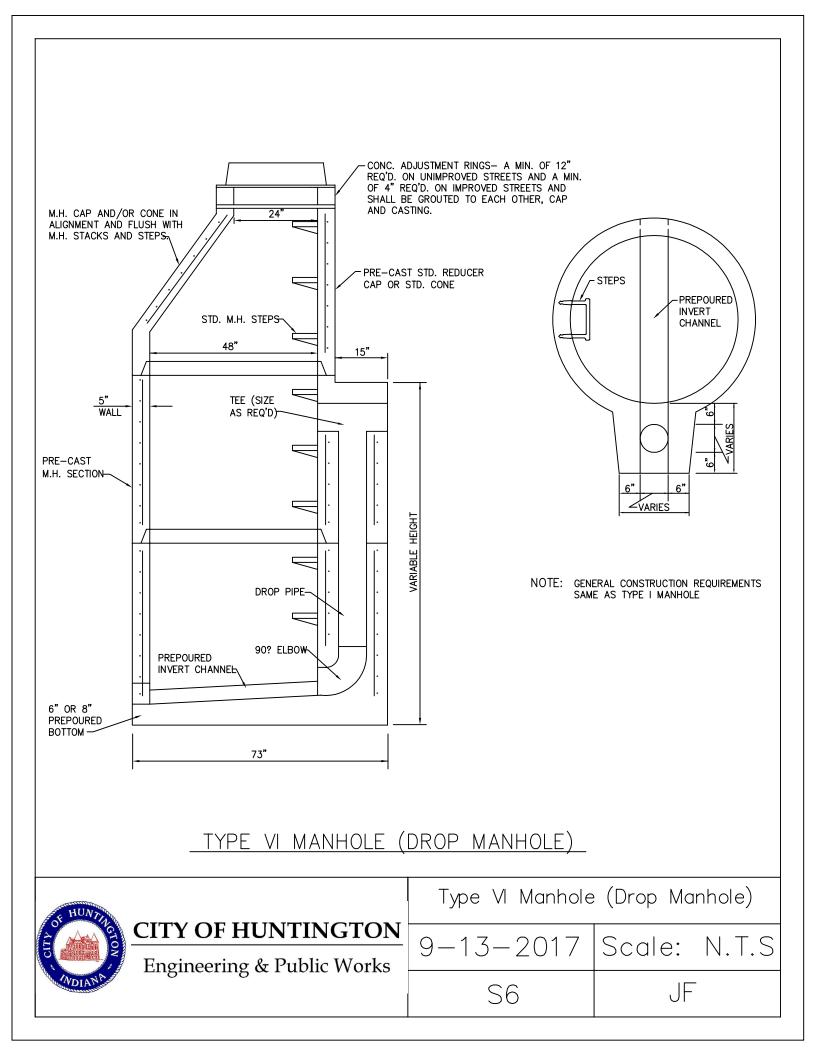
## Sewer Details

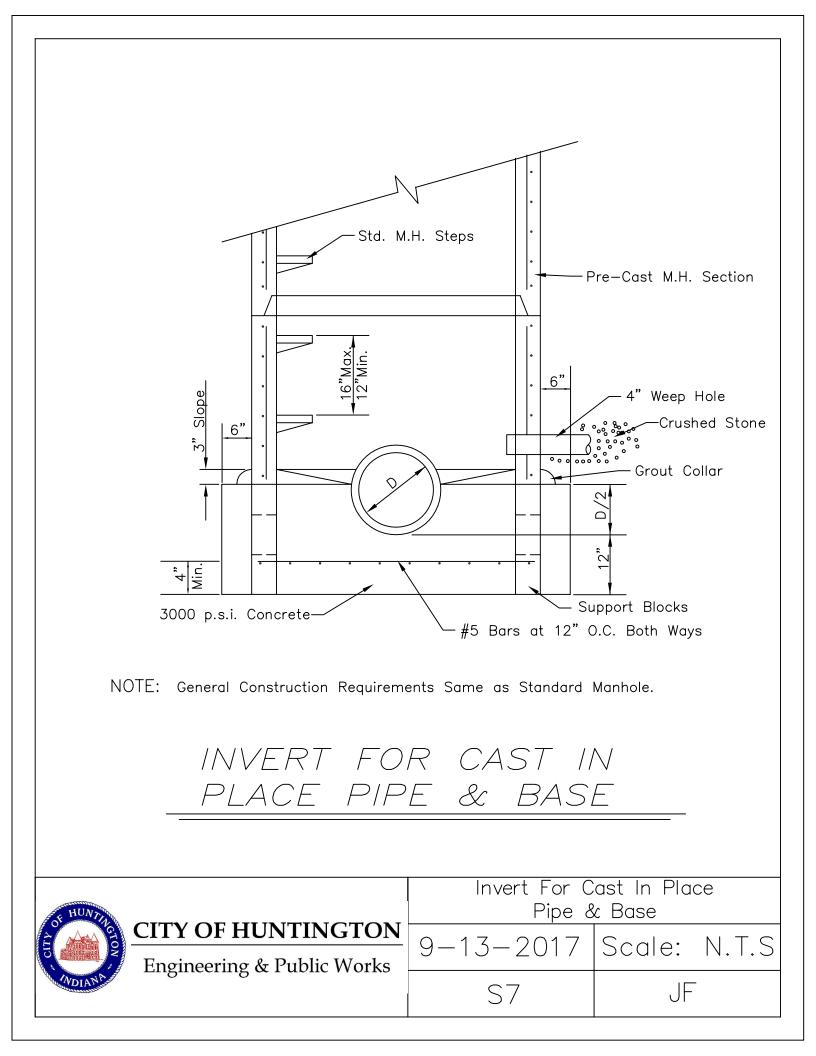
- S1 Type 1 Manhole
- S2 Type II Manhole for 36in to 96in Diameter Pipe
- S4 Type IV Manhole (Shallow Connection)
- S6 Type VI Manhole (Drop Manhole)
- S7 Invert For Cast In place Pipe & Base
- S8 Invert Shapes
- S9 Type I Catch Basin
- S10 Type I Inlet
- S11 Type III Inlet
- S12 Cast Iron Manhole Step
- S13 Reinforced Plastic Manhole Step
- S14 Standard Cleanout Detail with Casting
- S15 Tap Connection Detail (Deep Connection 10ft or Greater)
- S16 Tap Connection Detail (Shallow Connection 10ft or Less)
- S17 Typical Full Cut-In Wye
- S18 Typical Partial Cut-In Wye
- S19 Dissimilar Pipe Size Tap Connection
- S20 Flexible Sewer Pipe Bedding Detail, Class I & II
- S20A Rigid Pipe Bedding Detail, Class A
- S20B Rigid Pipe Bedding Detail, Class B
- S20C Rigid Pipe Bedding Detail, Class C
- S20D Sewer Trench Detail
- S21 Backfill Requirements (for pipe lines within right of way for improved streets)
- S22 Backfill Requirements (for pipe lines crossing right of way for improved streets)
- S23 Types A, B, and C Casting Detail
- S24 Standard Casting Detail for Rolled Curb Type D
- S25 Curb Casting Detail Type E
- S26 Type F Casting Detail (Inverted Crown)
- S27 Type G Casting Detail (Bee Hive Casting)
- S28 Type J Waterproof Manhole Frame (Bolted Lid & Gasket)
- S29 Trench Drain Detail
- S30 Anti-Seep Collar Details
- S31 18in Inlet
- S32 Special Inlet for Yard Drain
- S33 Sewer Air Valve Structure
- S34 Sanitary Sewer Notes
- S35 Storm Sewer Notes
- S36 Line Drain Structure
- S37 Fin Detail for Type H Casting
- S38 Fin Detail for Type L Grate
- S39 Type M Casting
- S40 Trench Drain Detail
- S41 Type 8 Casting Detail
- S42 Inlet Type A Detail
- S43 Storm Crossing Sanitary

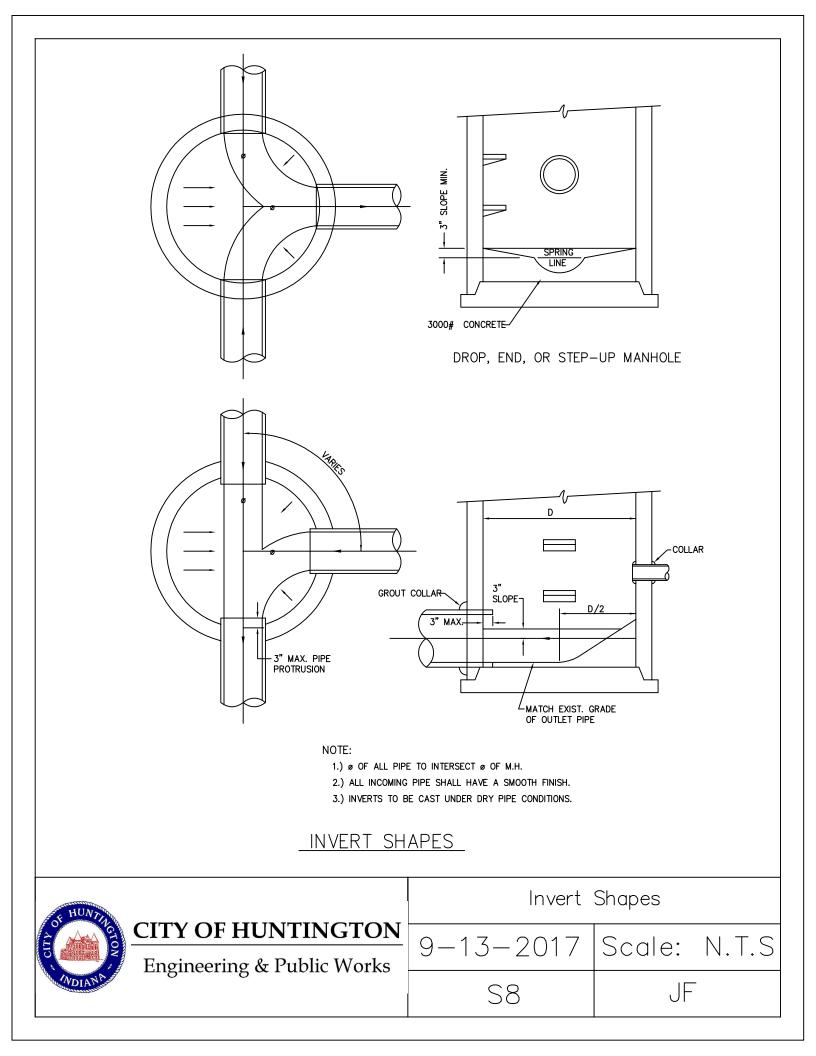


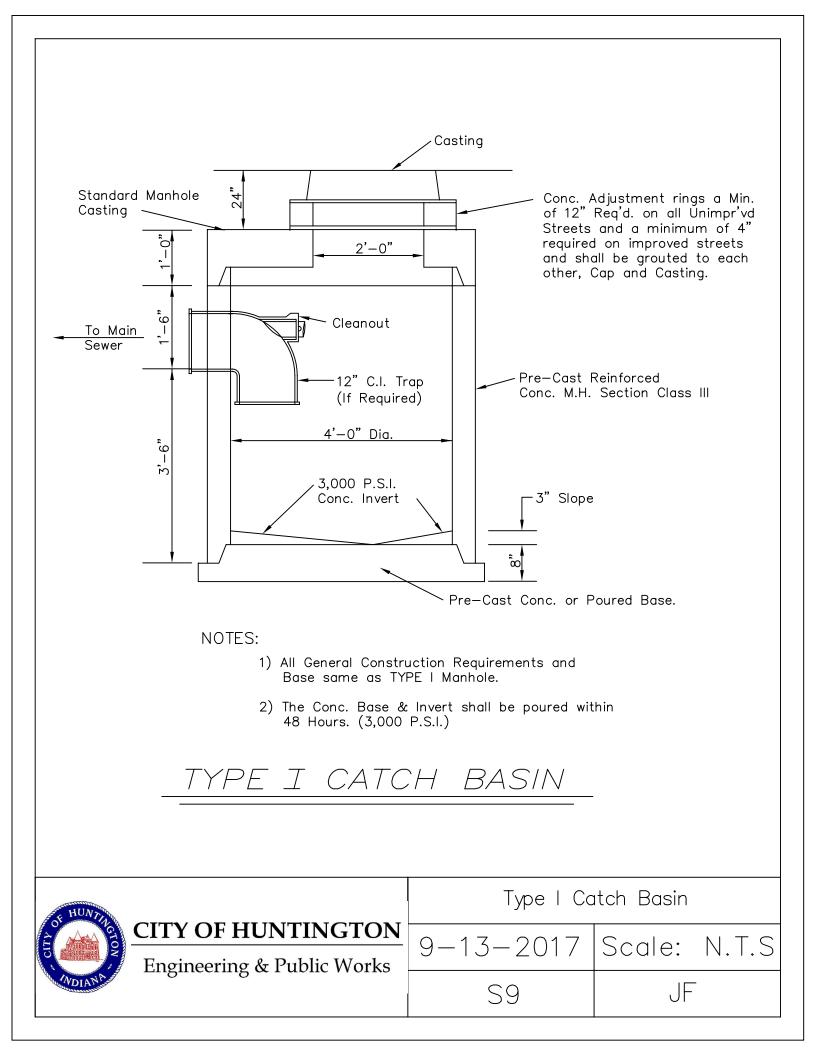


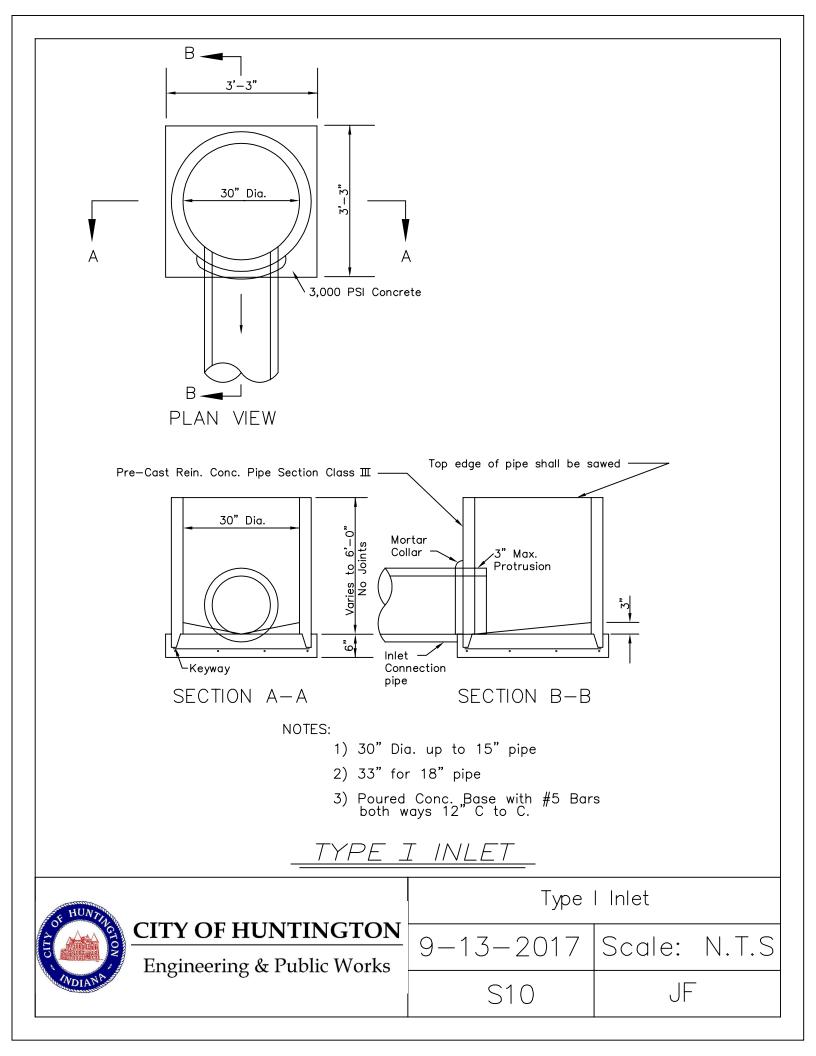


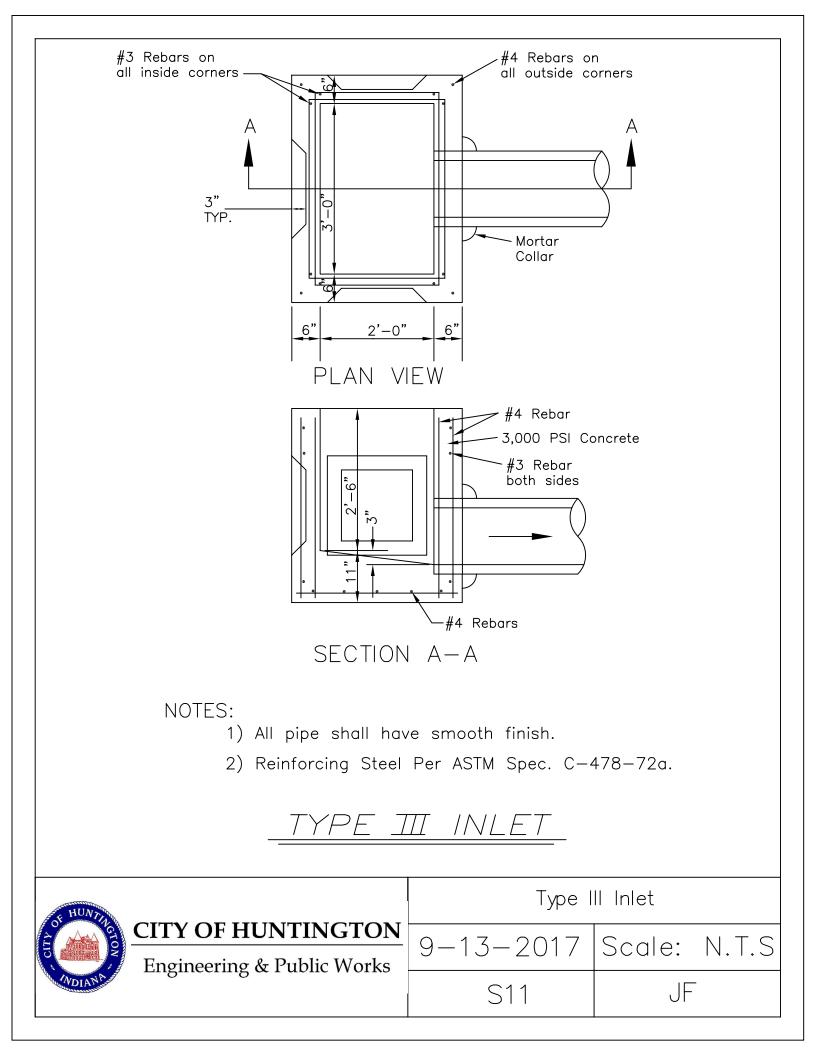


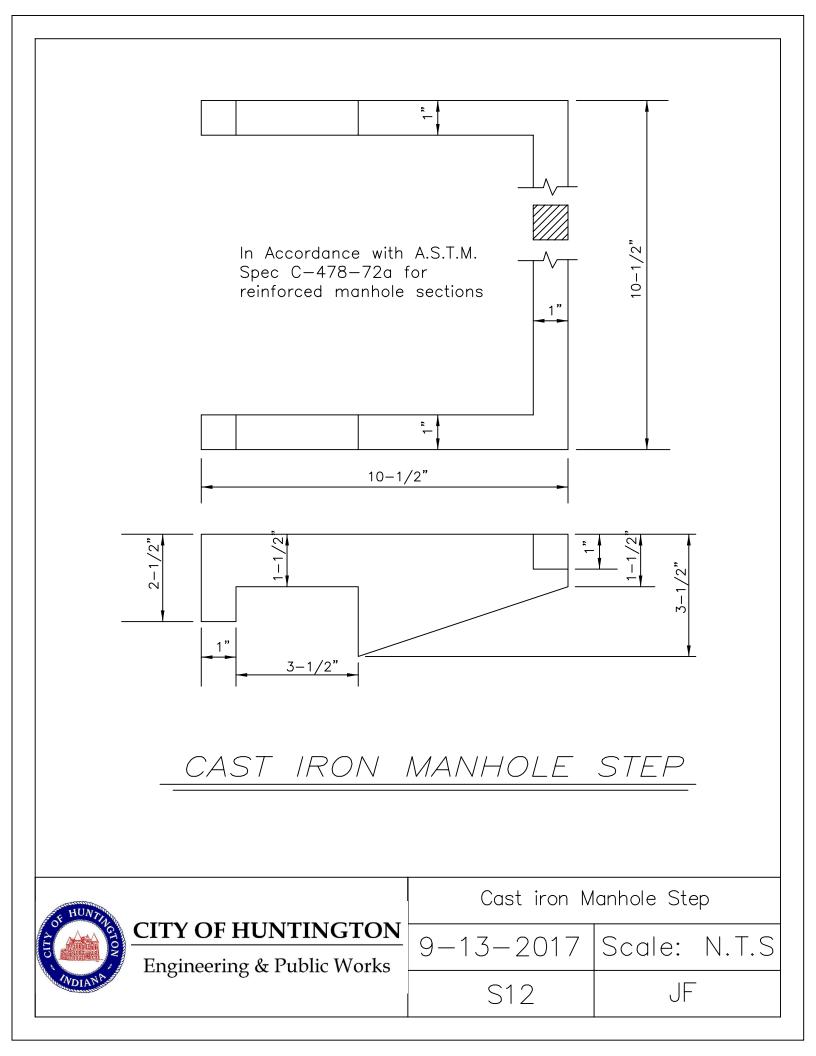


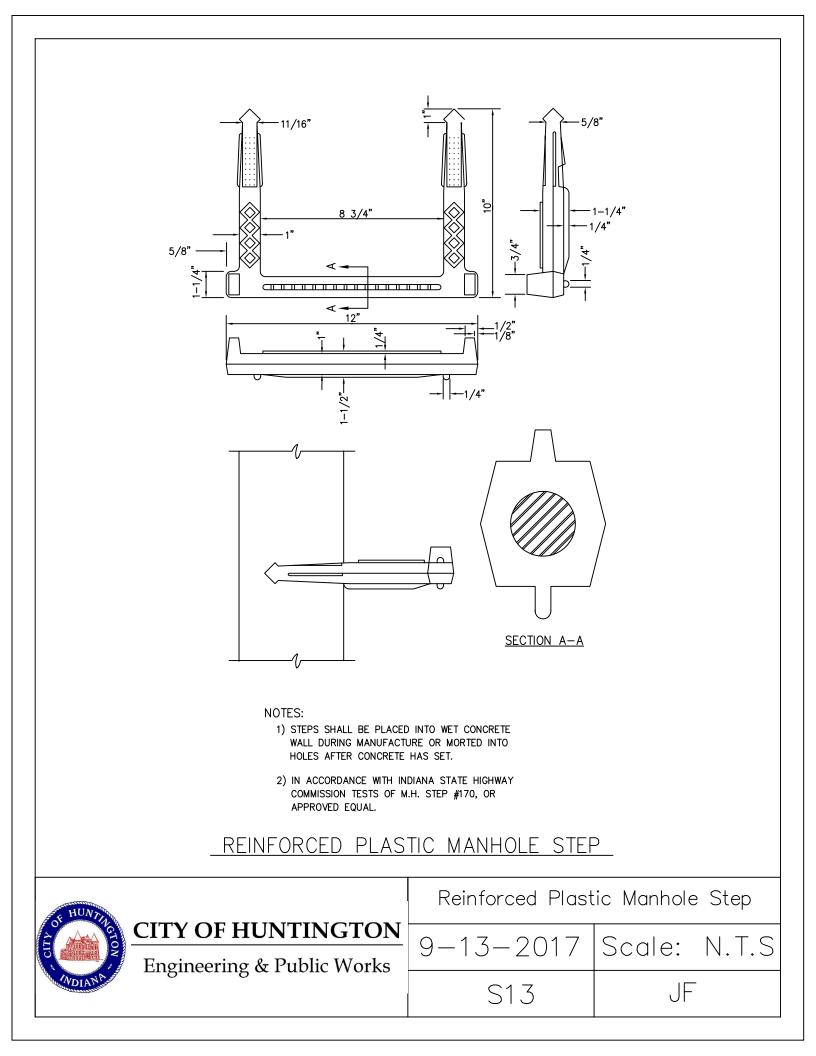


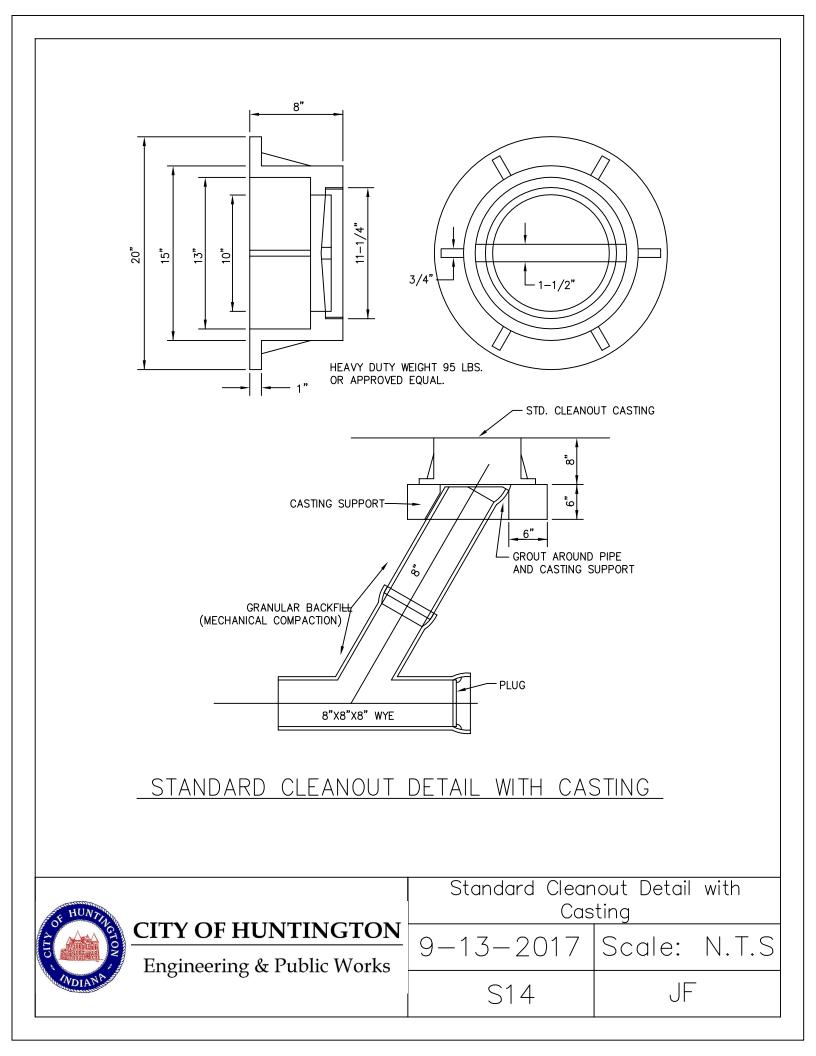


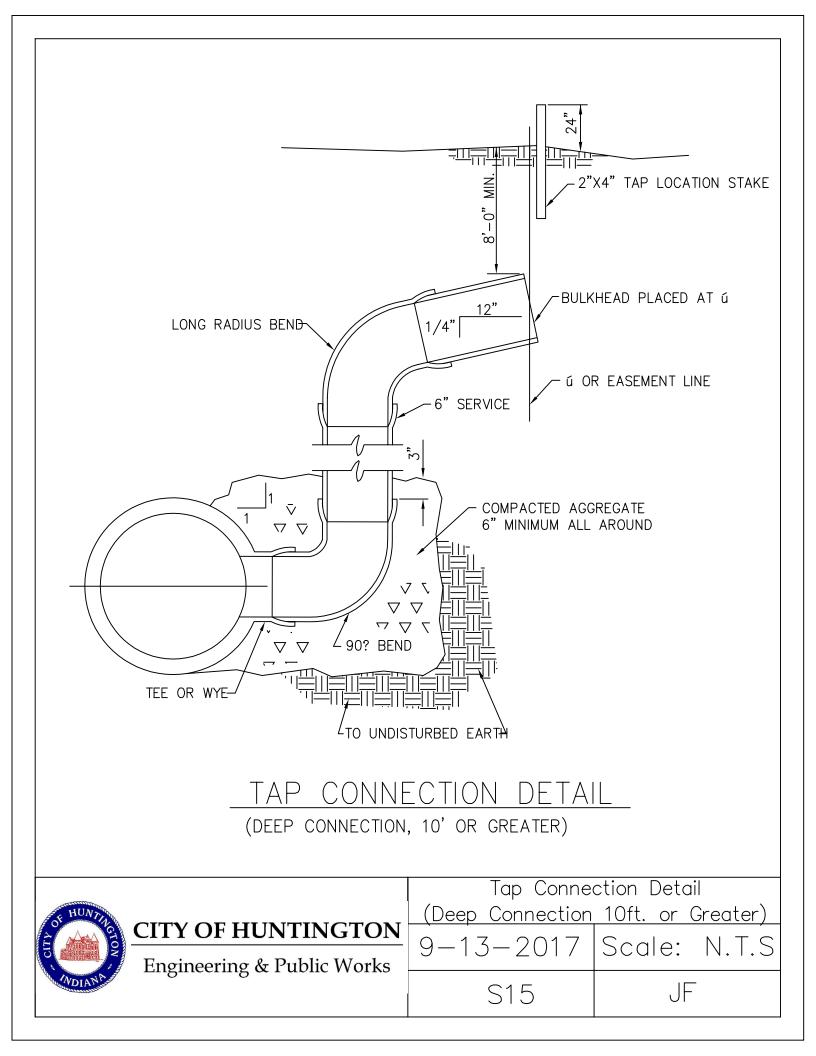


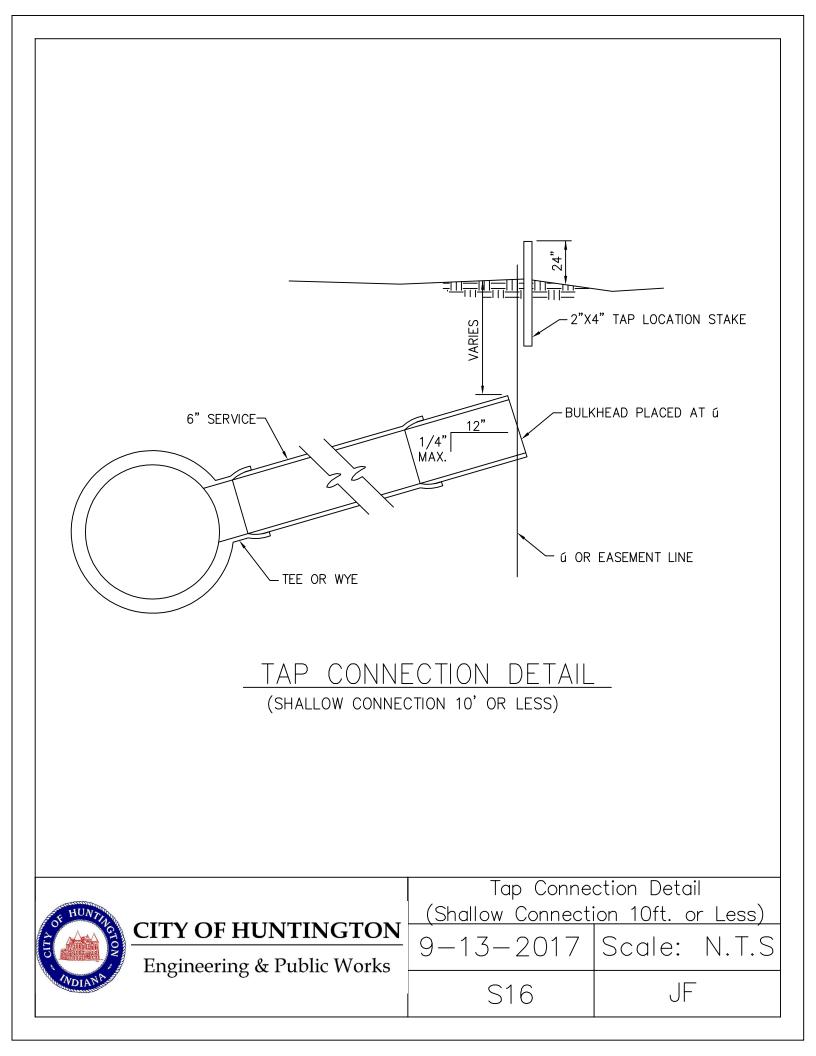


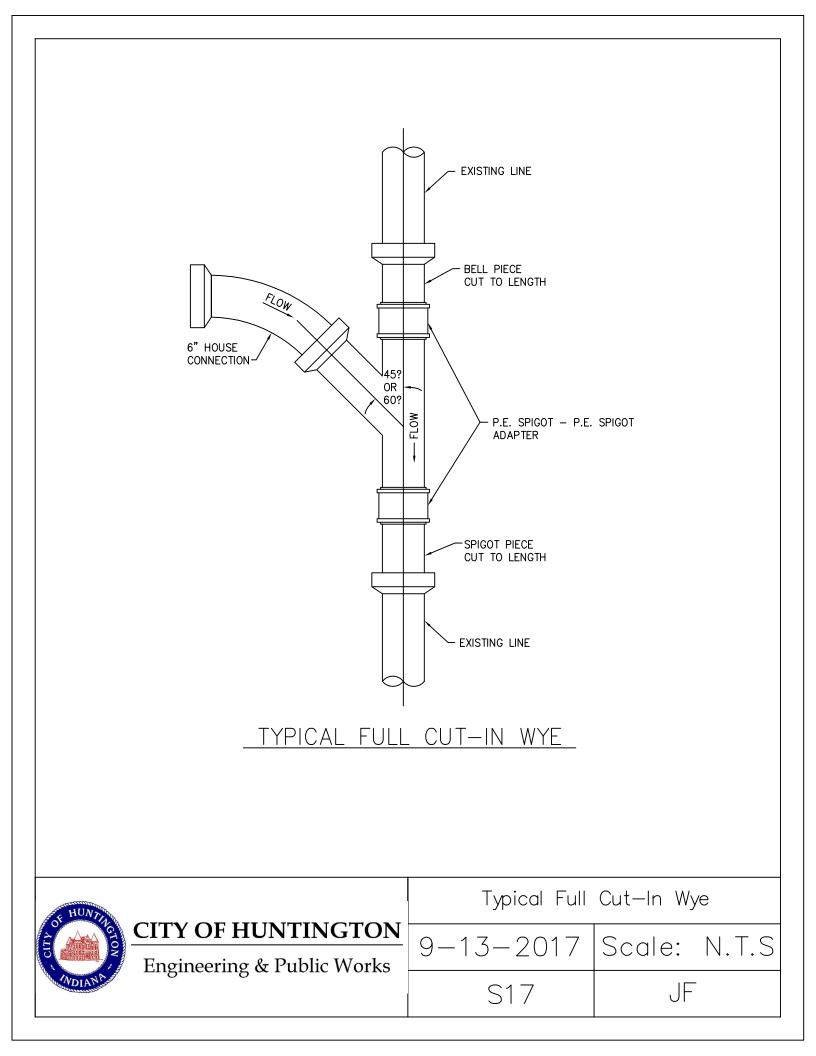


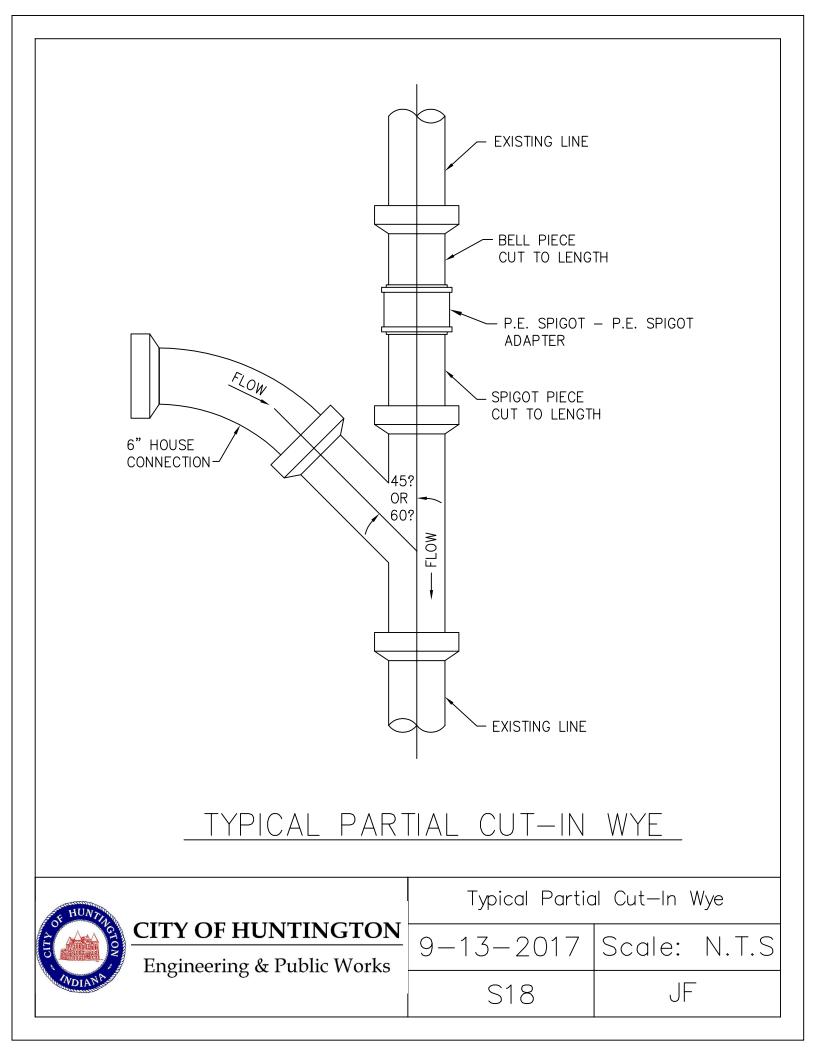


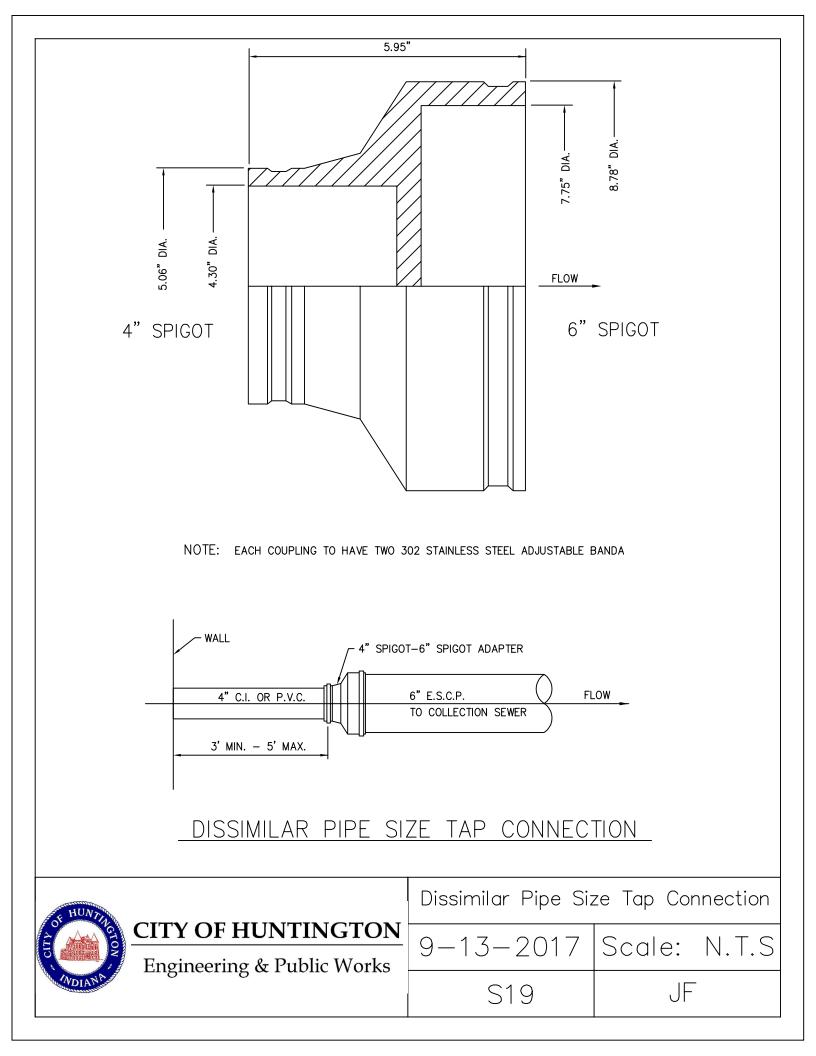


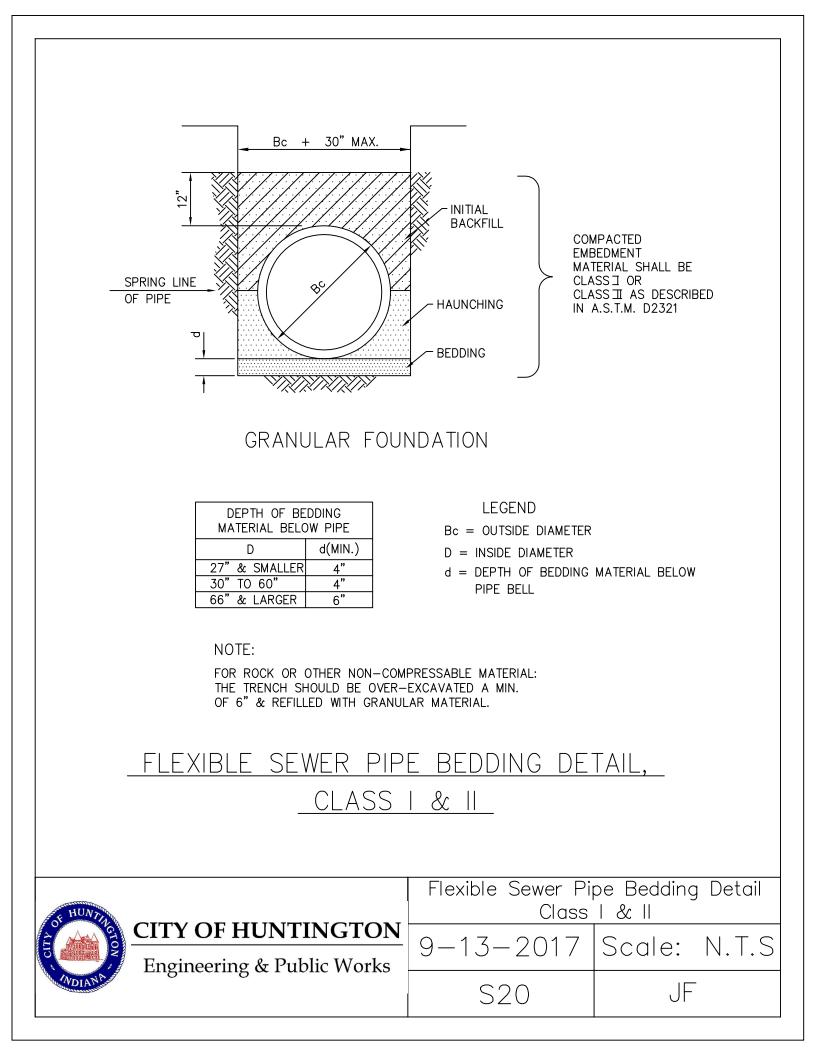


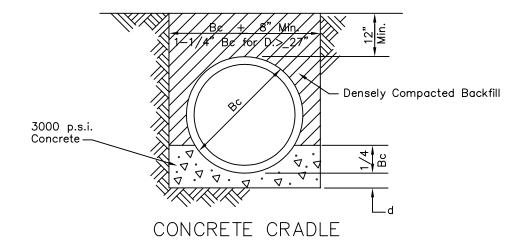












Depth of Bedding Material Below Pipe			
D	d(Min.)		
27" & Smaller	3"		
30" to 60"	4"		
66"& Larger	6"		

LEGEND

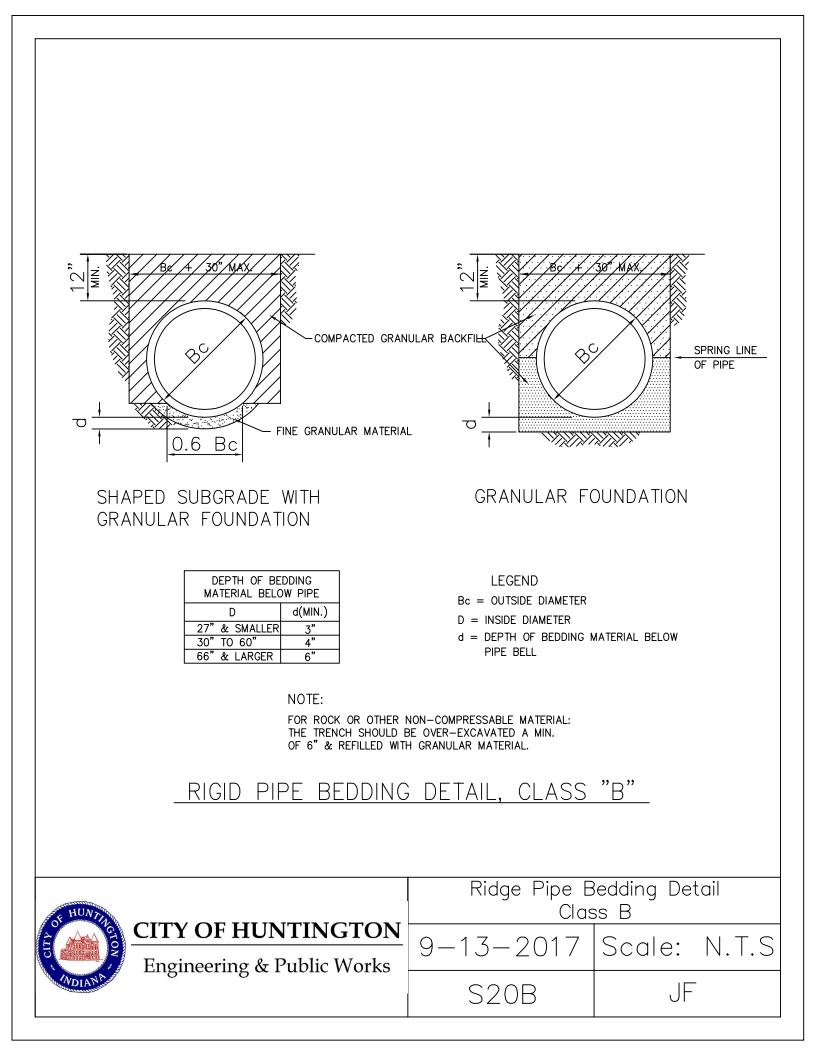
- Bc = Outside Diameter
- D = Inside Diameter
- d = Depth of Concrete Cradle below Pipe Bell

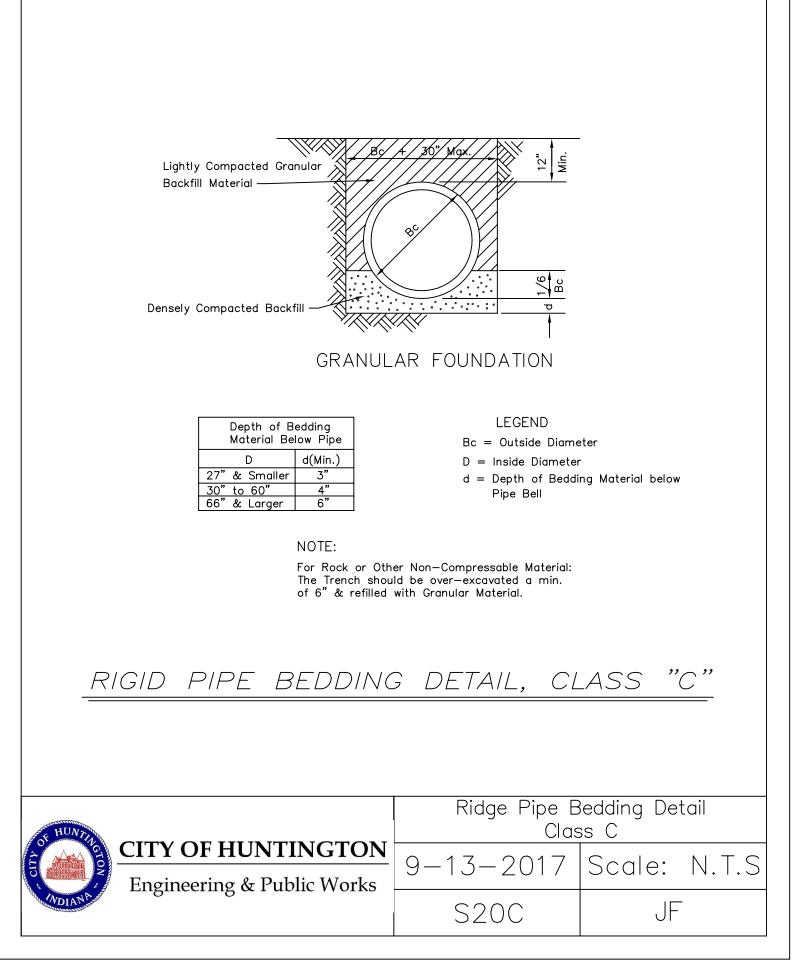
## NOTE:

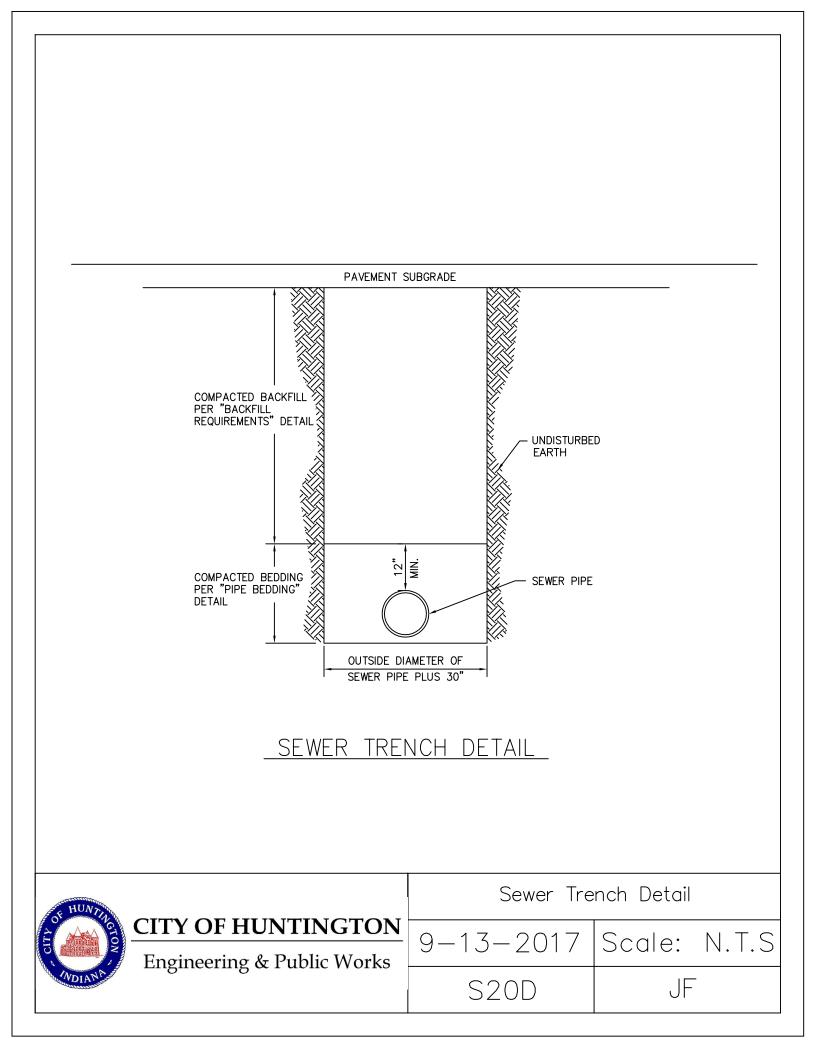
For Rock or Other Non-Compressable Material: The Trench should be over-excavated a min. of 6" & refilled with Granular Material.

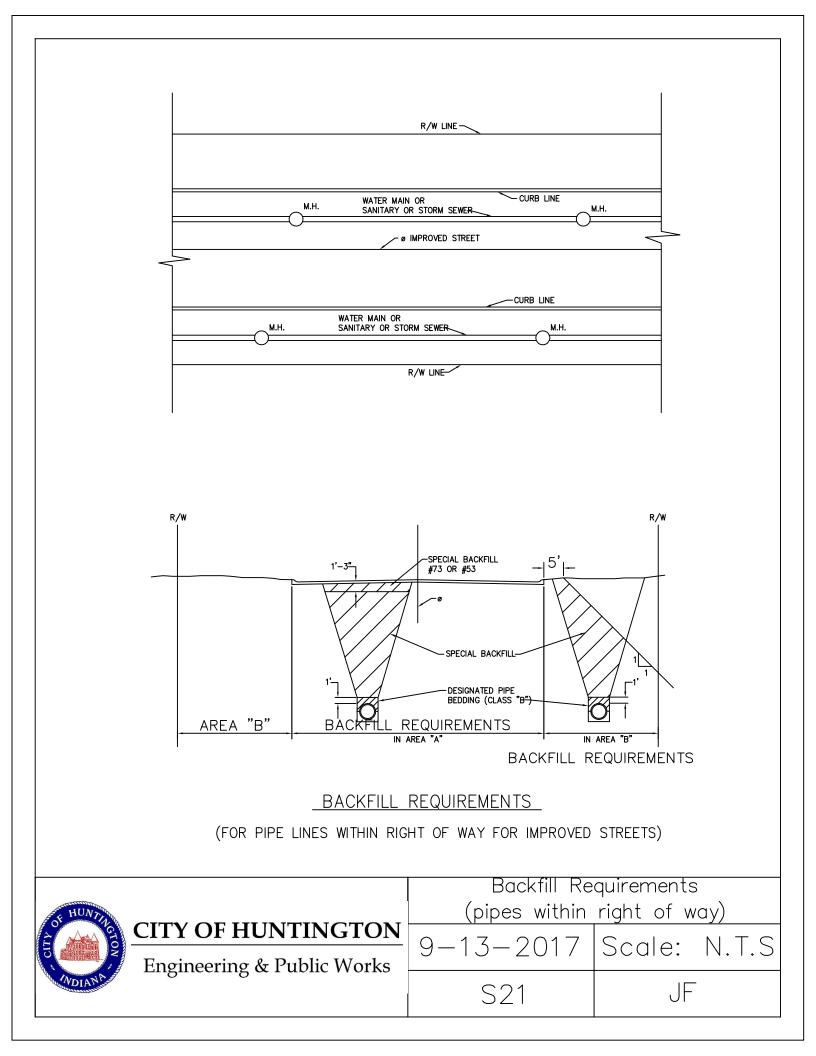
RIGID PIPE BEDDING DETAIL, CLASS "A"

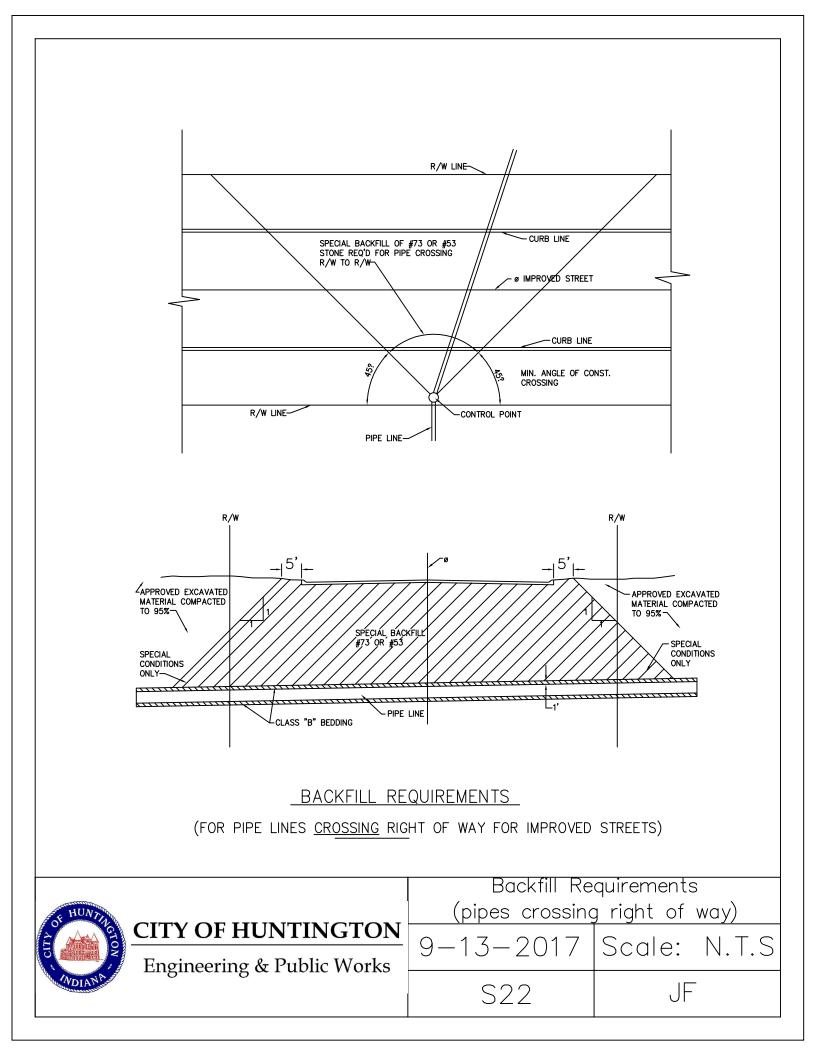
HUNTIN		Ridge Pipe Bedding Detail Class A		
ADIANA	CITY OF HUNTINGTON Engineering & Public Works	9-13-2017	Scale: N.T.S	
		S20A	JF	

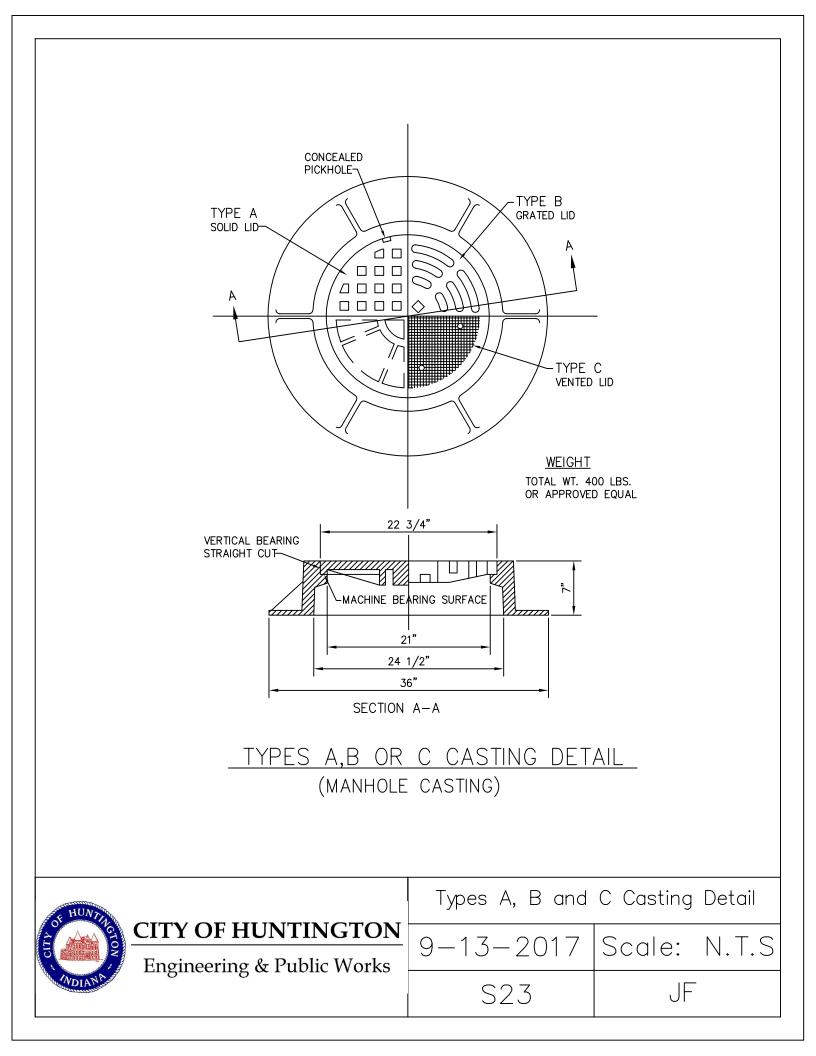


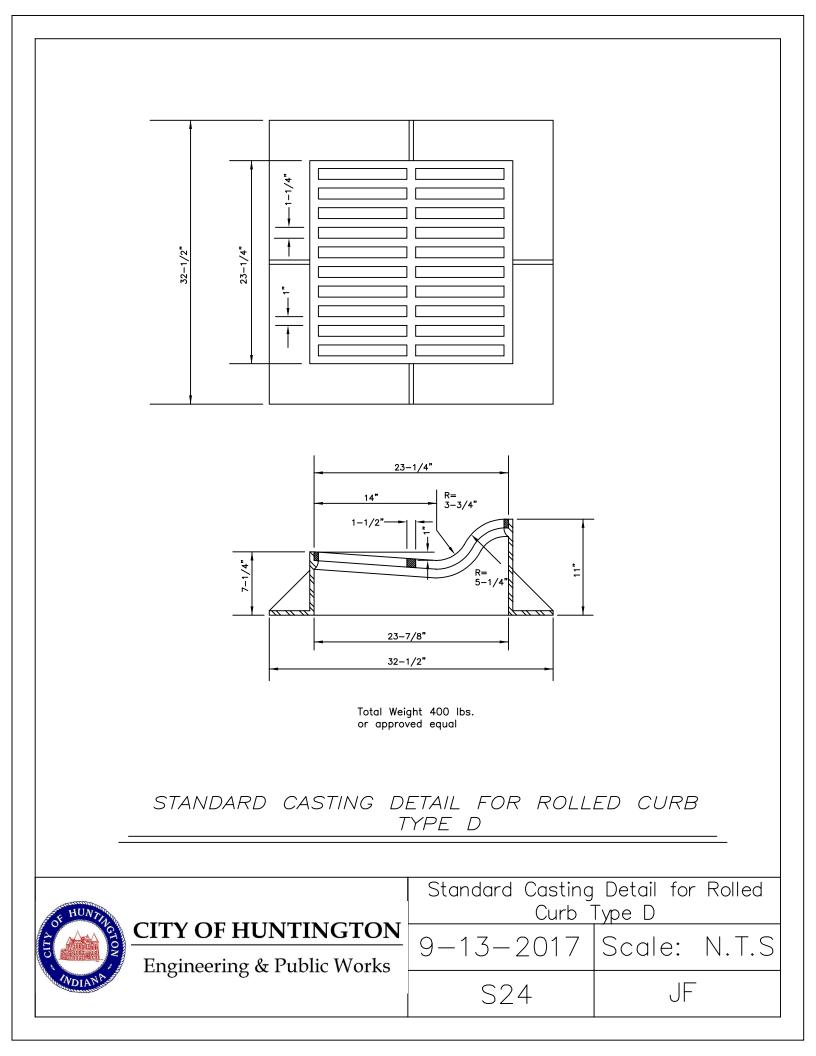


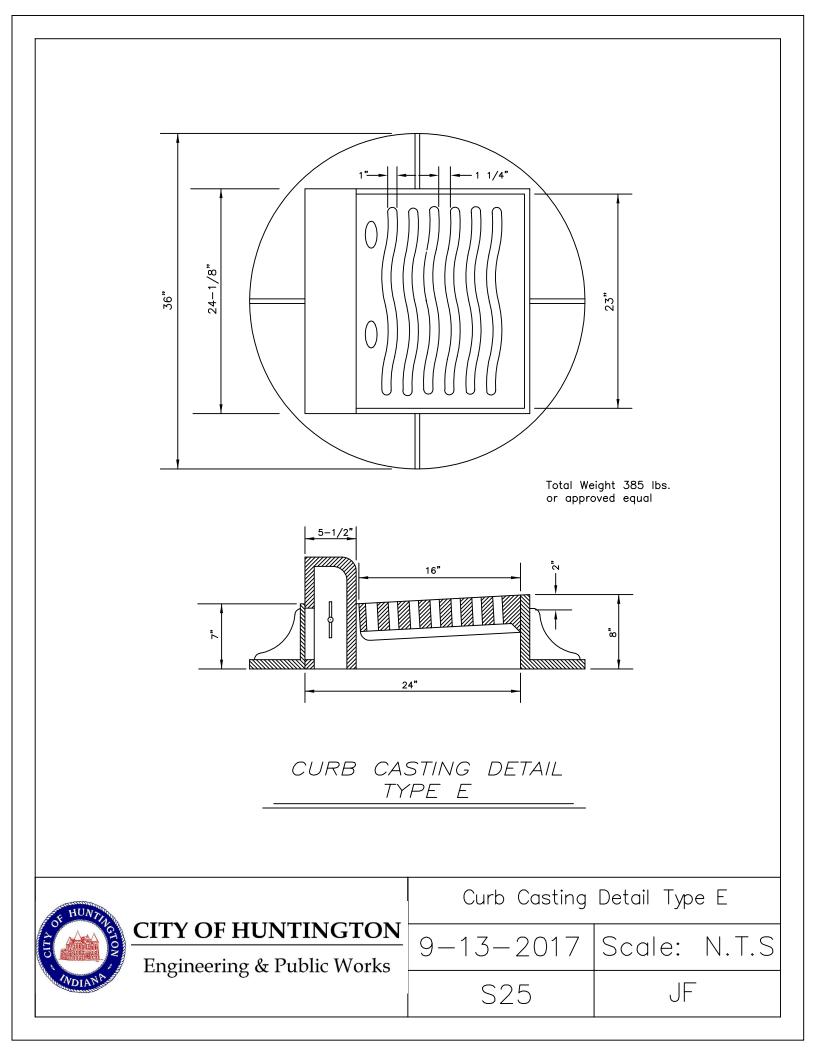


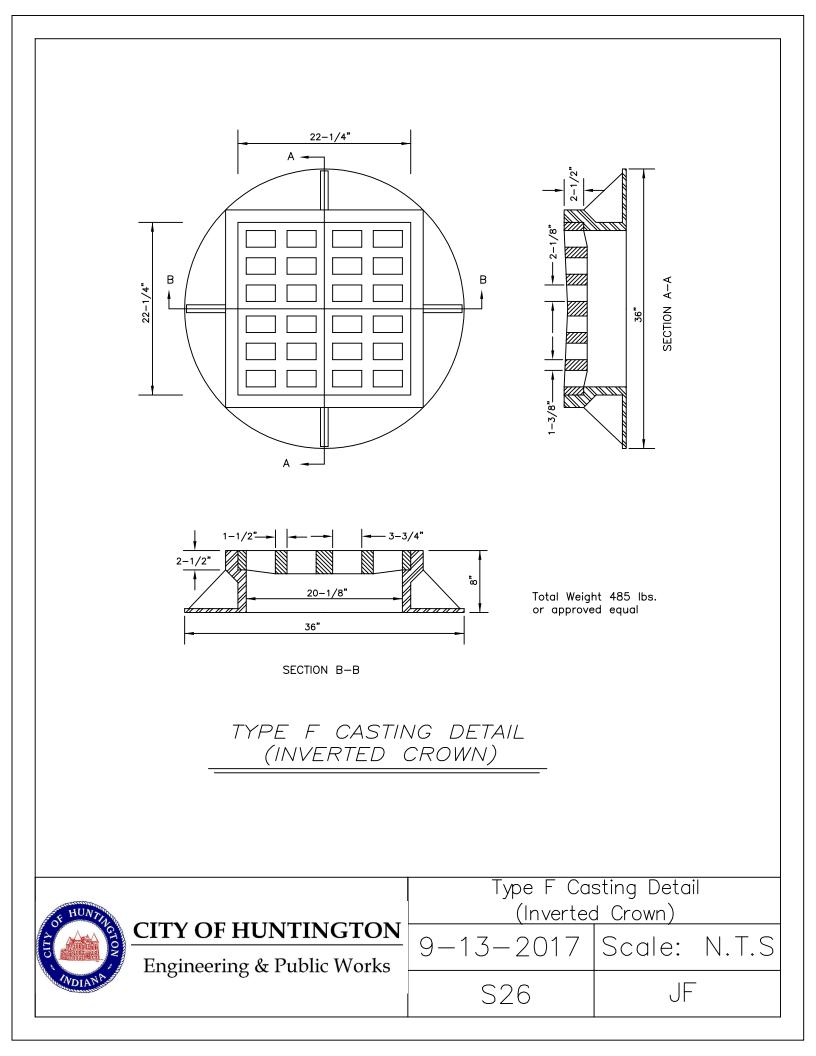


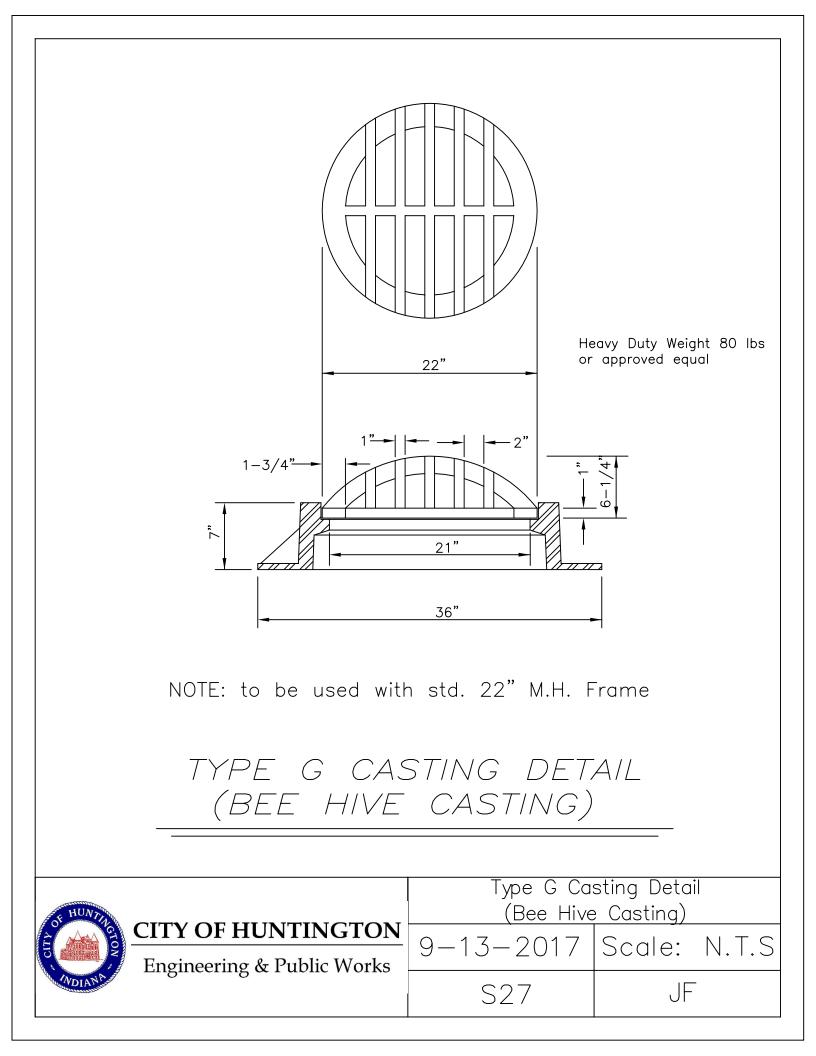


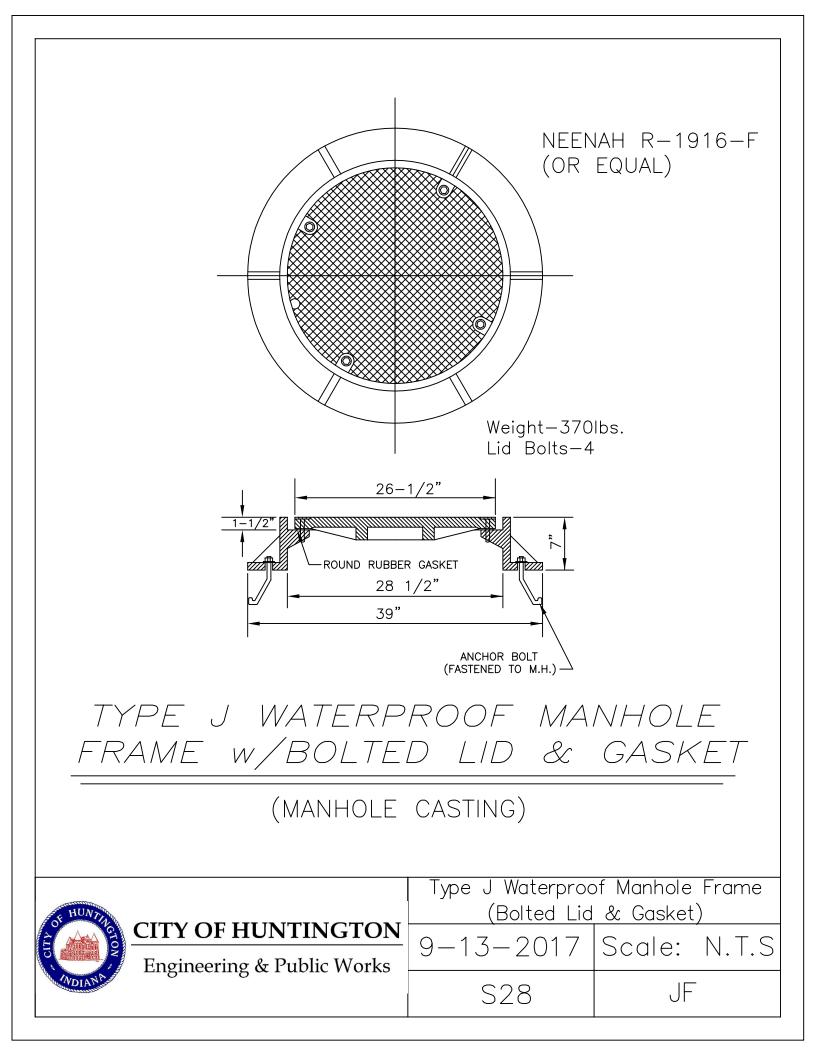


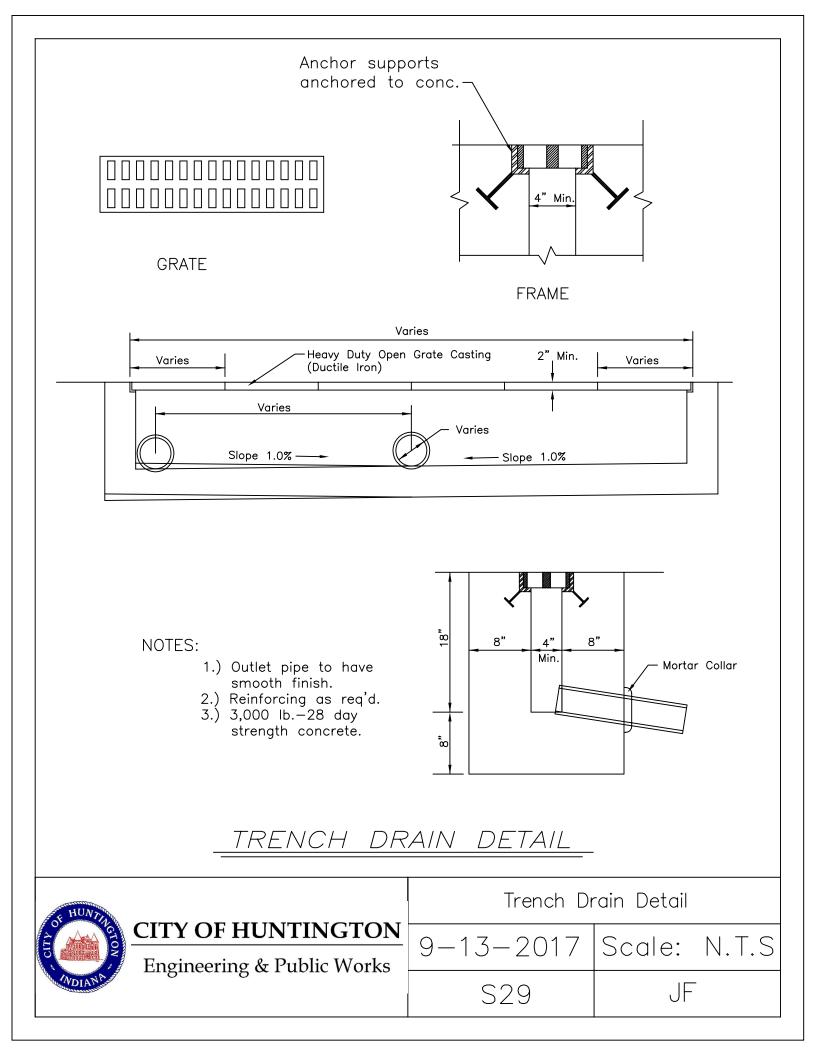


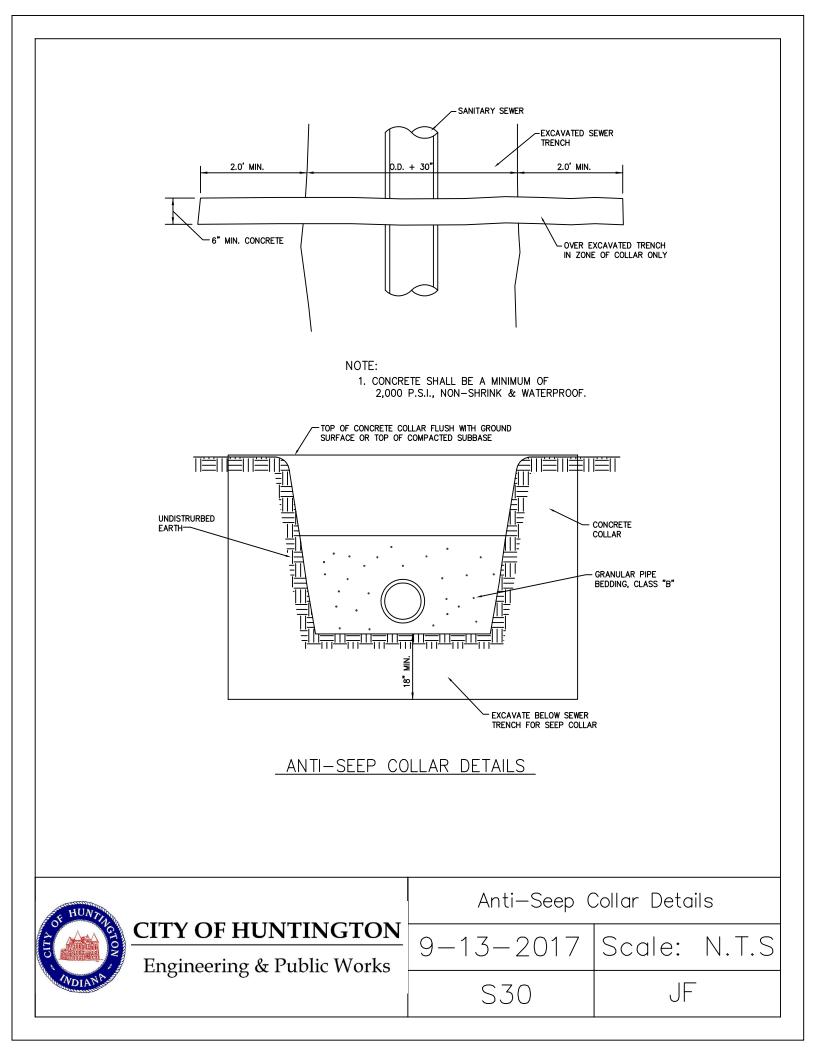


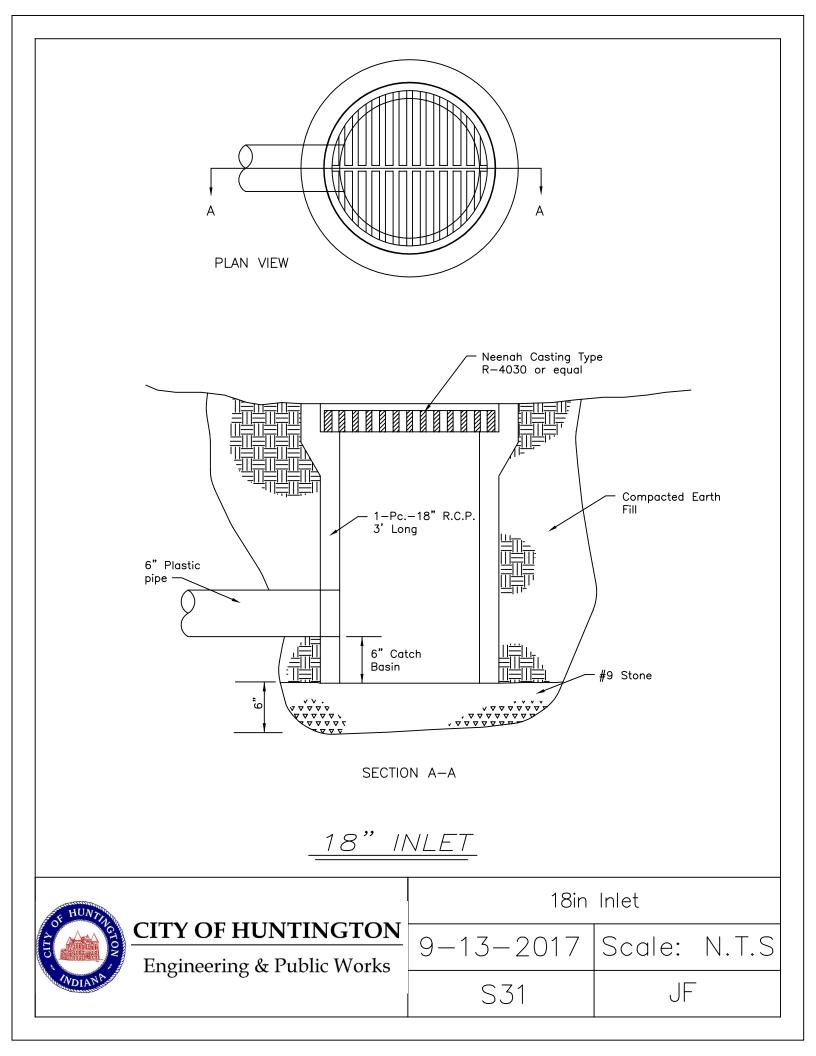


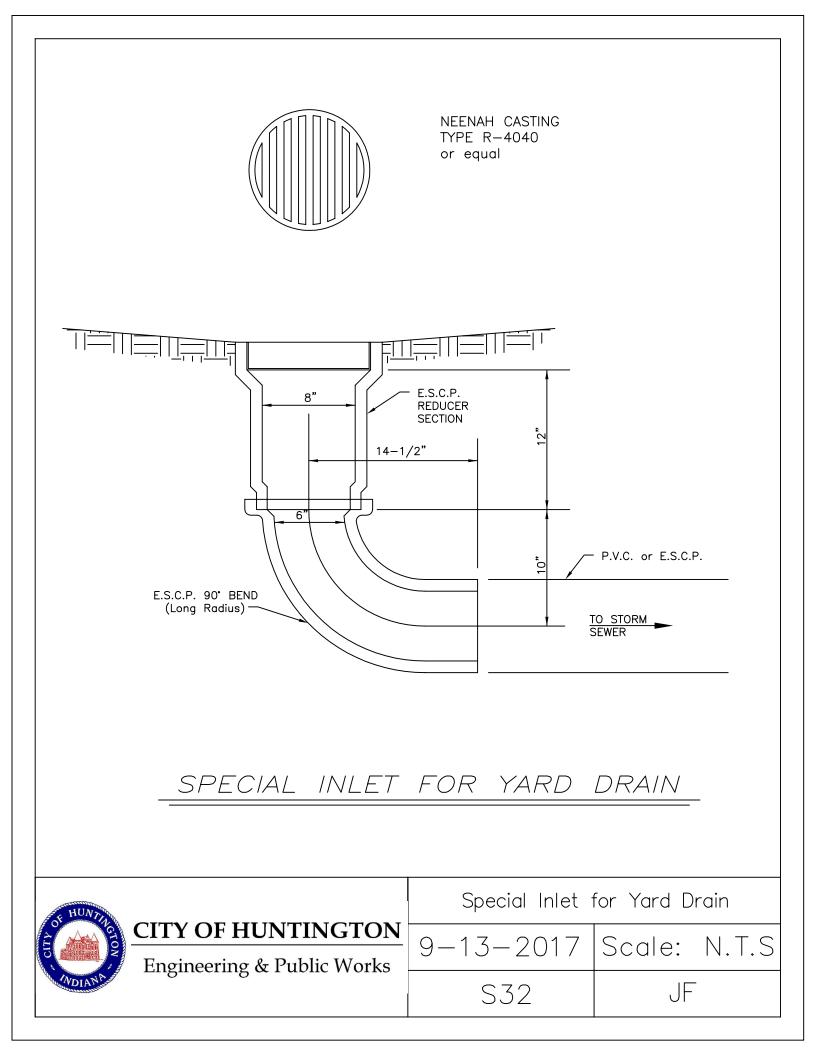


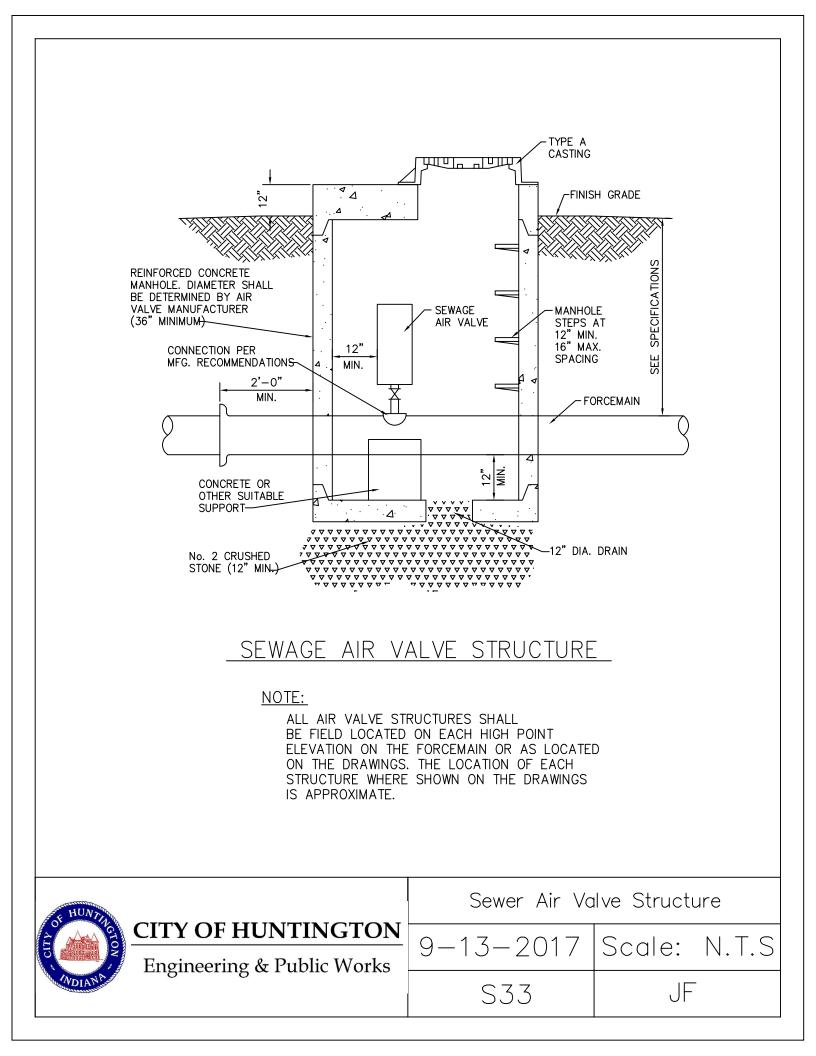












## SANITARY SEWER NOTES

- 1. Material and workmanship shall comply with Engineering Standards and Specifications, for the City of Huntington
- 2. All pipe shall be ASTM C-700 Extra Strength Clay; Truss Pipe, ASTM D-2680; PVC Pipe ASTM D-3034, SDR 35 with stone bedding; or approved equal with Class "B" bedding. Cost per lineal foot of pipe shall include all items necessary for complete and usable final products.
- 3. All manholes shall be 48" Type 1-A or Type IV-A.
- 4. City of Huntington inspection required on installation of all sanitary sewers.
- All taps shall have a minimum of 1/4-inch per foot rise and shall be extended to a point as indicated on the plans. Location of taps to be marked with 2 X 4 at end of tap.
- 6. A minimum of 10 feet of horizontal separation shall be maintained between the sanitary sewer and the water mains.
- 7. Maximum allowable infiltration shall not exceed 200 gpd/mile/inch of diameter of the pipe.
- 8. All permits, including street and road cut permits, necessary for the construction of this sanitary sewer shall be secured and paid for by the Contractor and a copy furnished to the Syracuse City Engineering Department before construction starts.
- 9. Contractor shall furnish a set of Construction Drawings to Engineer showing location of main lines and taps.
- 10. To tap the existing manhole the Contractor shall "core" the manhole and install a rubber boot as manufactured by Press-Seal Gasket Corporation or an equal product that has been approved by the local utility.

S HUNT	Sanitary Sewer Notes		
<b>CITY OF HUNTINGTON</b> Engineering & Public Works	9-13-2017	Scale: N.T.S	
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## STORM SEWER NOTES

- All concrete pipe shall be manufactured in accordance with ASTM C14, AASHO M86, and Federal SS-P-371 for non-reinforced concrete pipe; ASTM C76, AASHO M170 and Federal S-P-375 reinforced concrete pipe and ASTM C361 for reinforced low head concrete pipe, with Class "B" bedding.
- 2. All concrete adjustment ring joints shall be grouted (watertight) to top of inlet and casting. When weep holes are used for subbase drainage, geotextile/filter fabric shall be required to restrict fine materials from washing into storm system.
- 3. All storm sewer shall have stone bedding (Class "B").
- 4. All storm pipe 12 inches and larger shall be concrete as noted in Note 1 of these storm sewer notes.

S HUNTIN	Storm Sewer Notes (2)		
<b>CITY OF HUNTINGTON</b> Engineering & Public Works	9-13-2017	Scale: N.T.S	
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