# CLARKSVILLE INDIANA

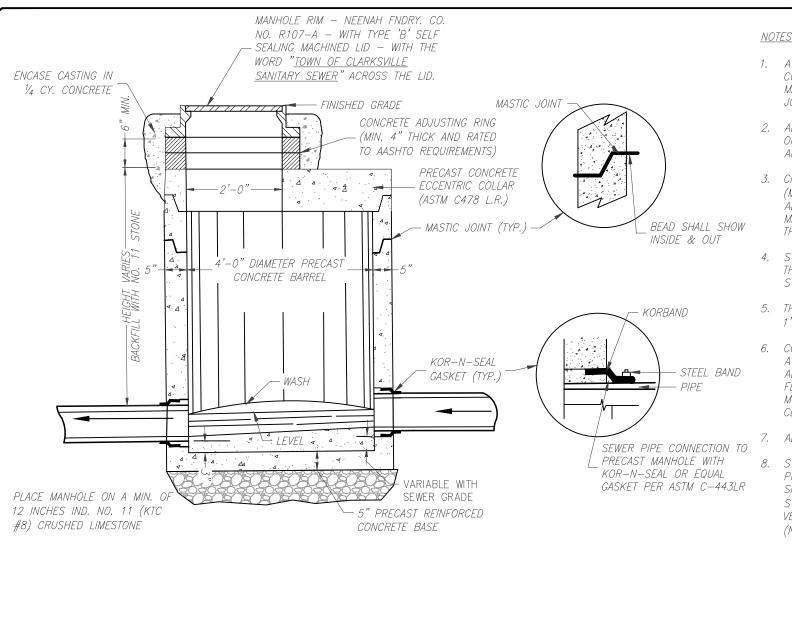
# WASTEWATER STANDARD DRAWINGS

Clarksville Indiana 2000 Broadway Street Clarksville, Indiana 47129

# **WASTEWATER STANDARD DRAWINGS**

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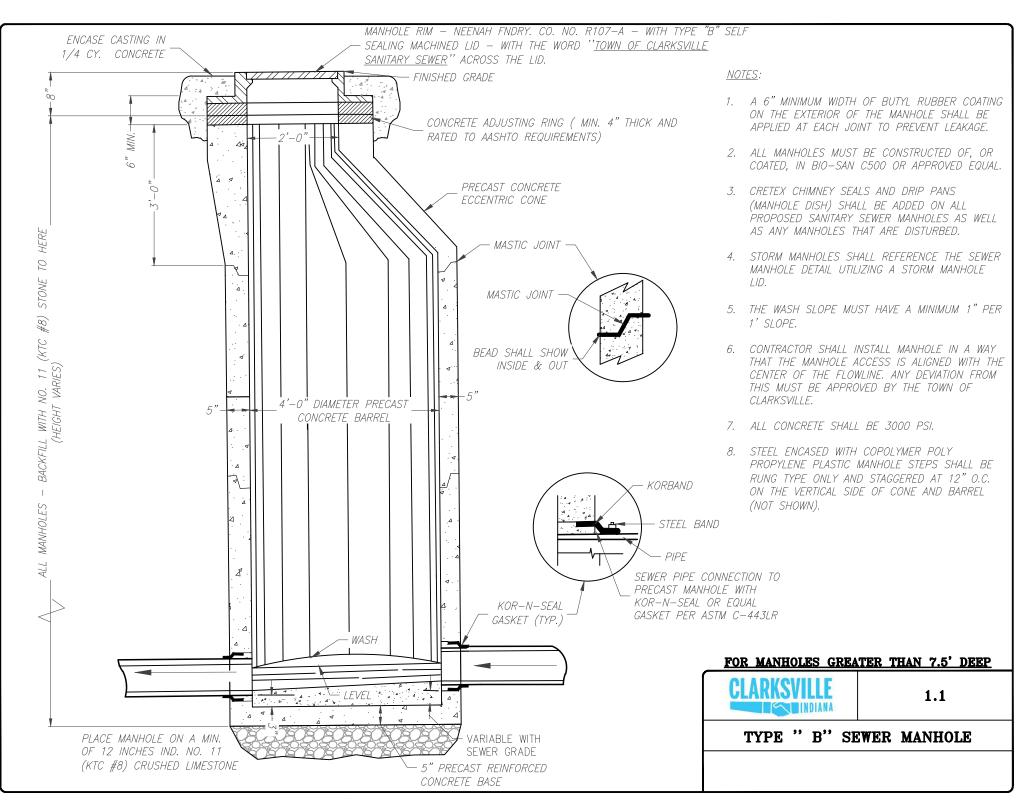
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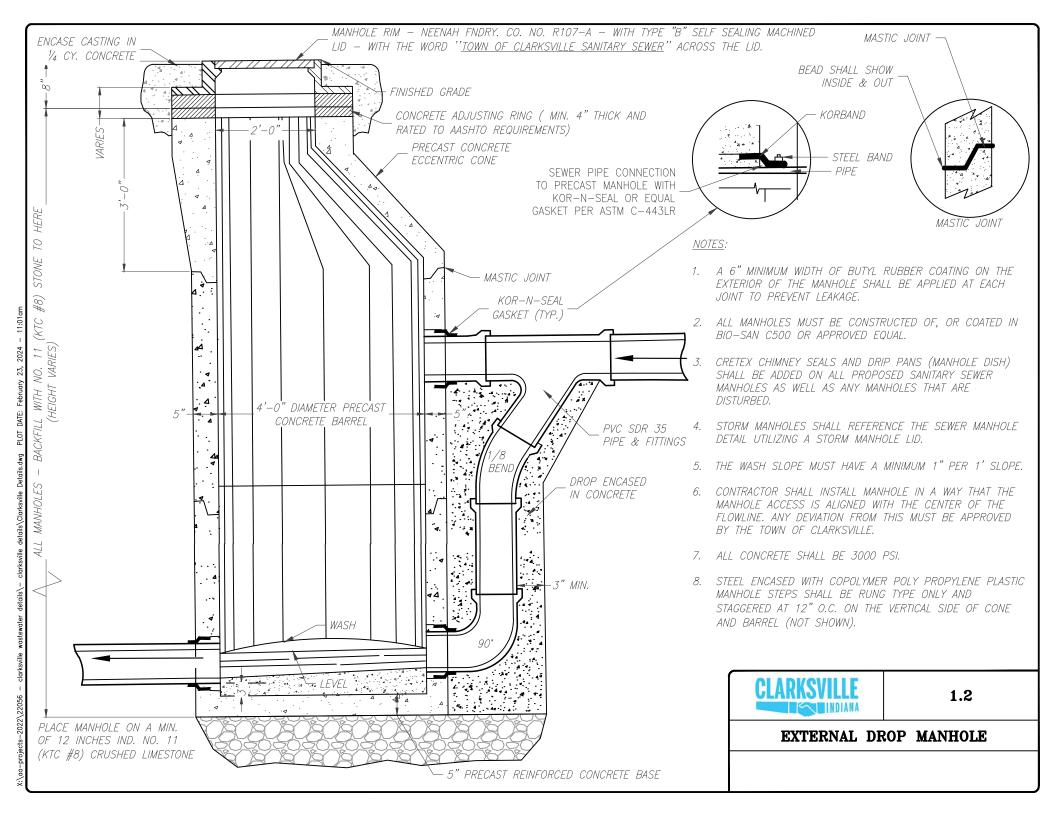


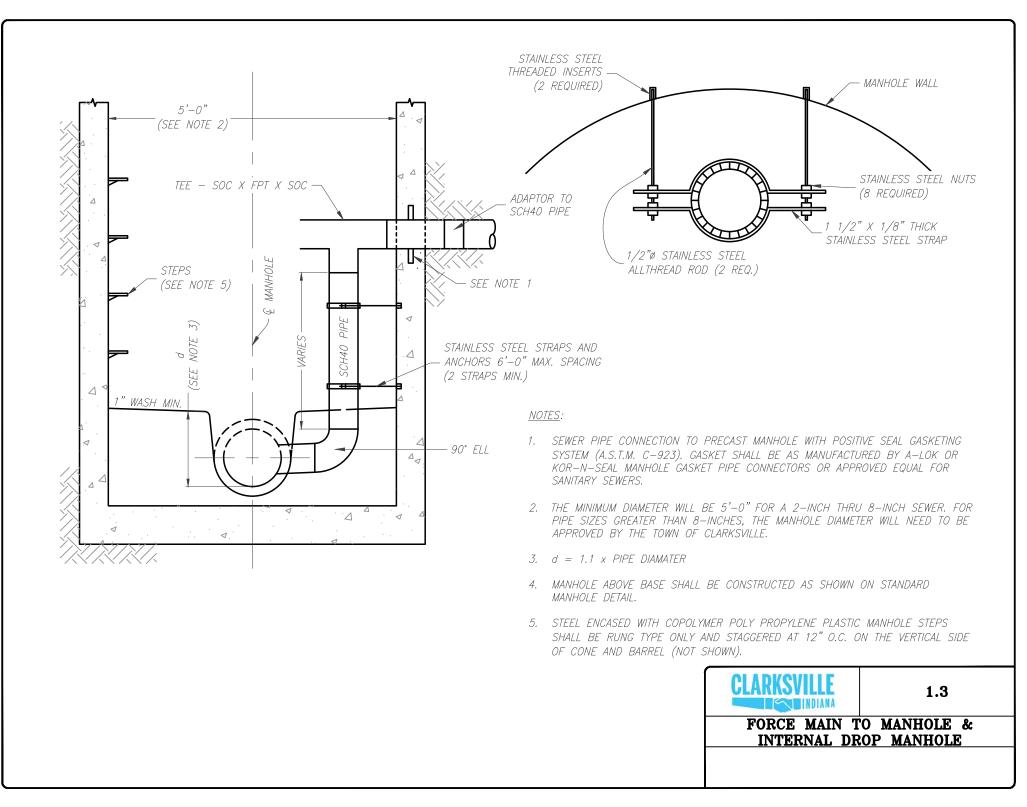
#### NOTES:

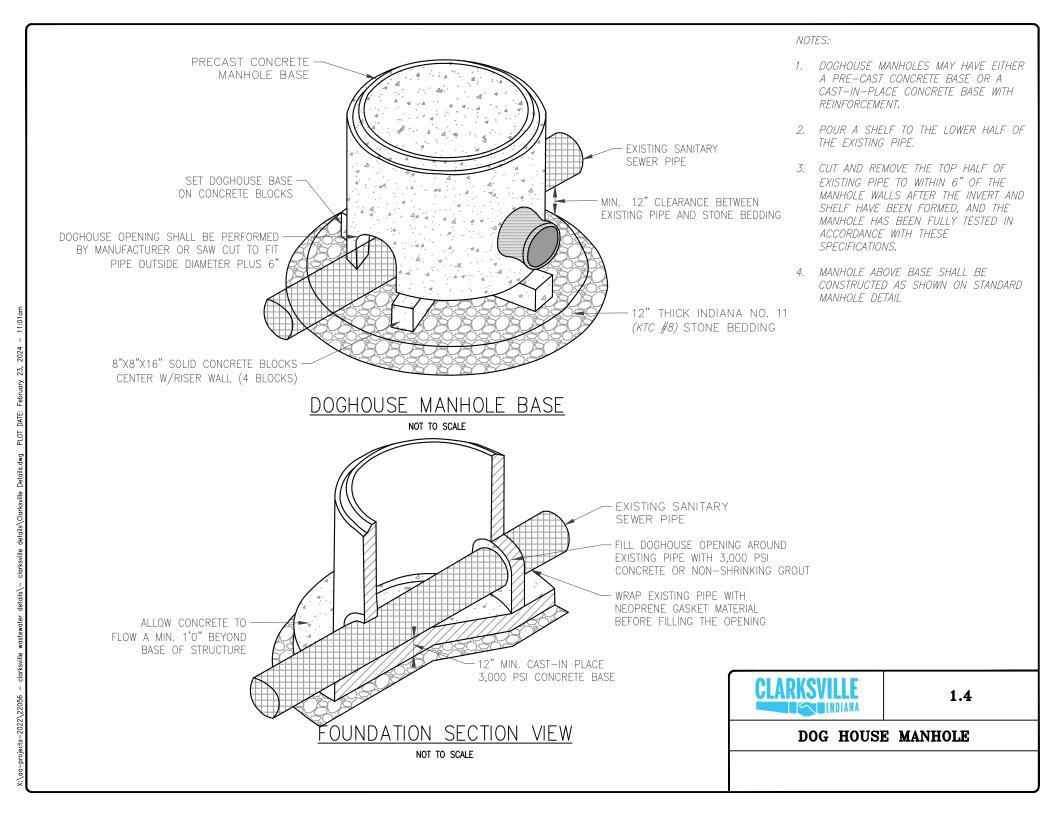
- 1. A 6" MINIMUM WIDTH OF BUTYL RUBBER COATING ON THE EXTERIOR OF THE MANHOLE SHALL BE APPLIED AT EACH JOINT TO PREVENT LEAKAGE.
- 2. ALL MANHOLES MUST BE CONSTRUCTED OF, OR COATED IN BIO-SAN C500 OR APPROVED EQUAL.
- 3. CRETEX CHIMNEY SEALS AND DRIP PANS (MANHOLE DISH) SHALL BE ADDED ON ALL PROPOSED SANITARY SEWER MANHOLES AS WELL AS ANY MANHOLES THAT ARE DISTURBED.
- 4. STORM MANHOLES SHALL REFERENCE THE SEWER MANHOLE DETAIL UTILIZING A STORM MANHOLE LID.
- 5. THE WASH SLOPE MUST HAVE A MINIMUM 1" PER 1' SLOPE.
- 6. CONTRACTOR SHALL INSTALL MANHOLE IN A WAY THAT THE MANHOLE ACCESS IS ALIGNED WITH THE CENTER OF THE FLOWLINE. ANY DEVIATION FROM THIS MUST BE APPROVED BY THE TOWN OF CLARKSVILLE.
- 7. ALL CONCRETE SHALL BE 3000 PSI.
- 8. STEEL ENCASED WITH COPOLYMER POLY PROPYLENE PLASTIC MANHOLE STEPS SHALL BE RUNG TYPE ONLY AND STAGGERED AT 12" O.C. ON THE VERTICAL SIDE OF CONE AND BARREL (NOT SHOWN).

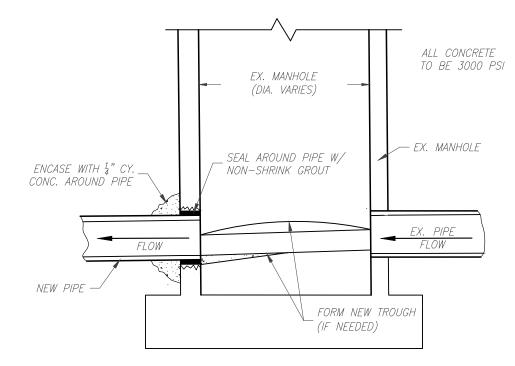
FOR MANHOLES		1.0
TYPE " C"	SEWER	MANHOLE

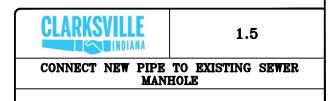


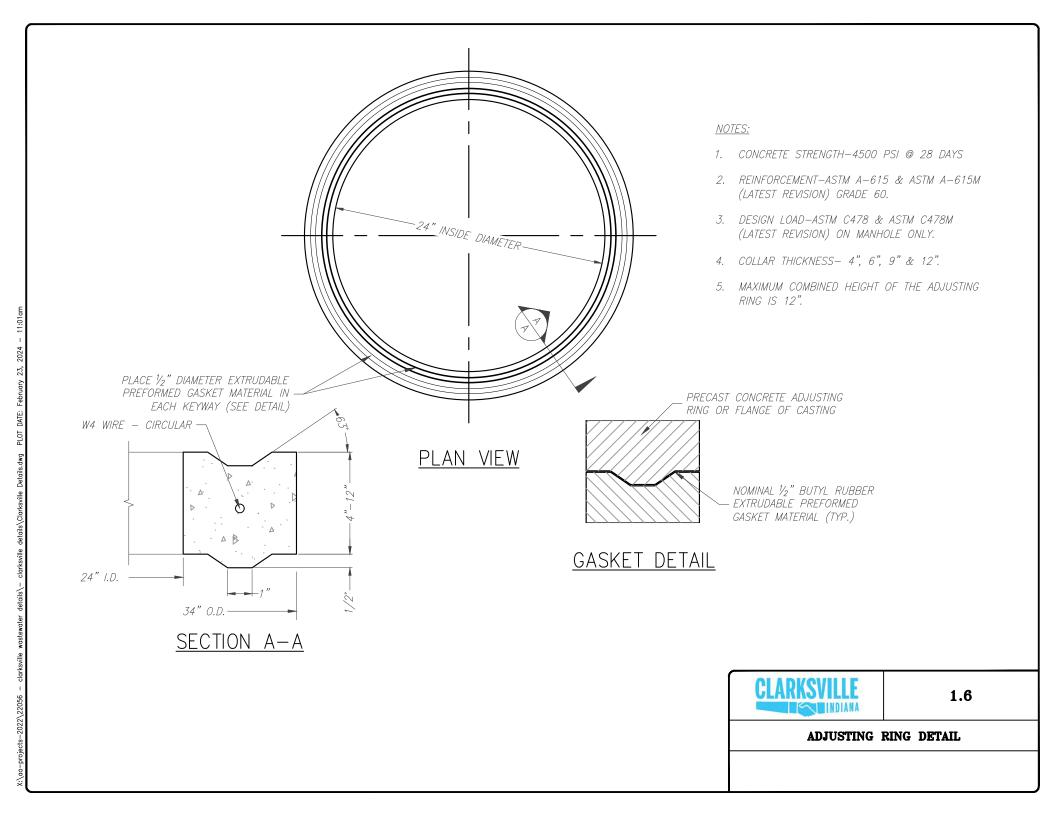


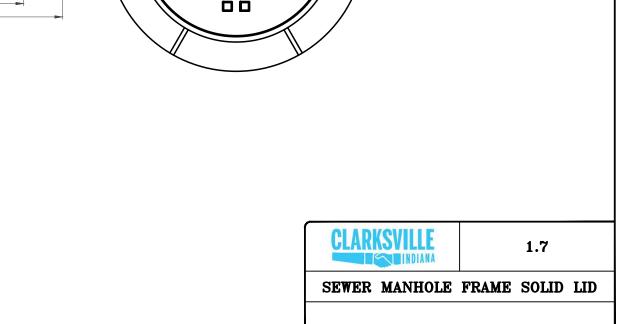


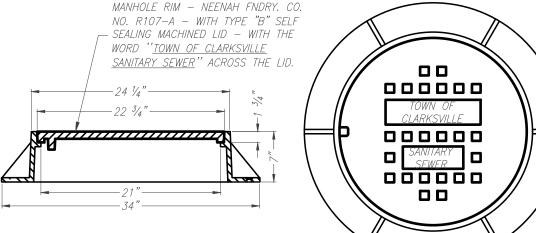


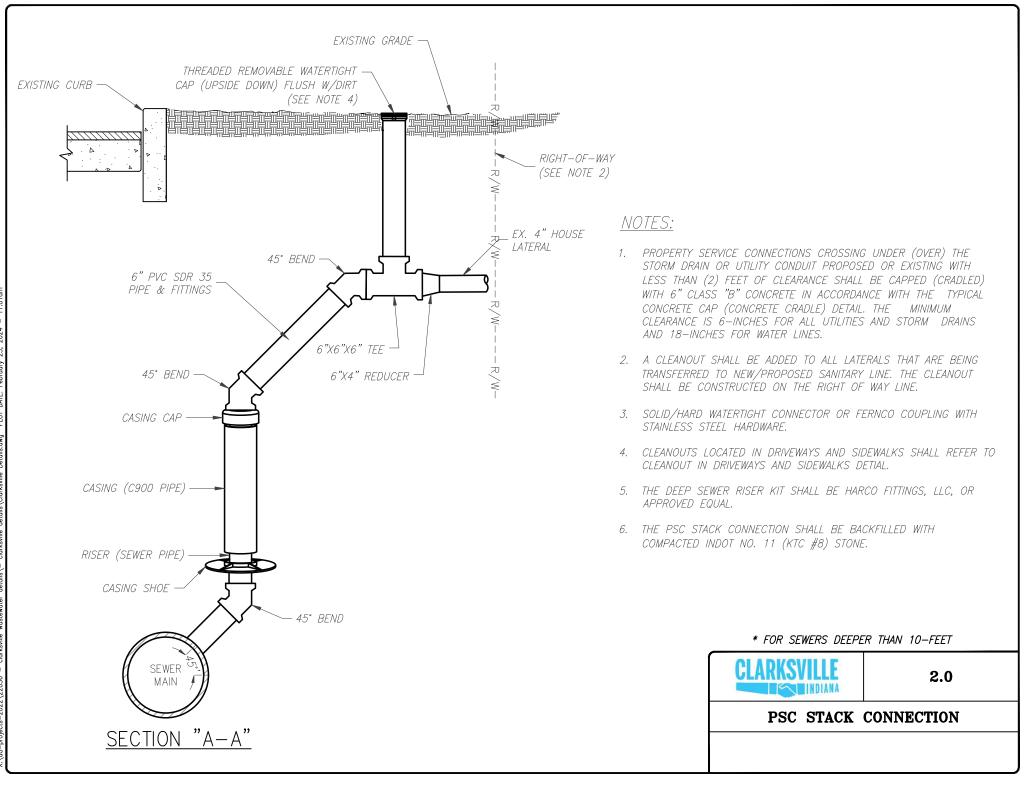


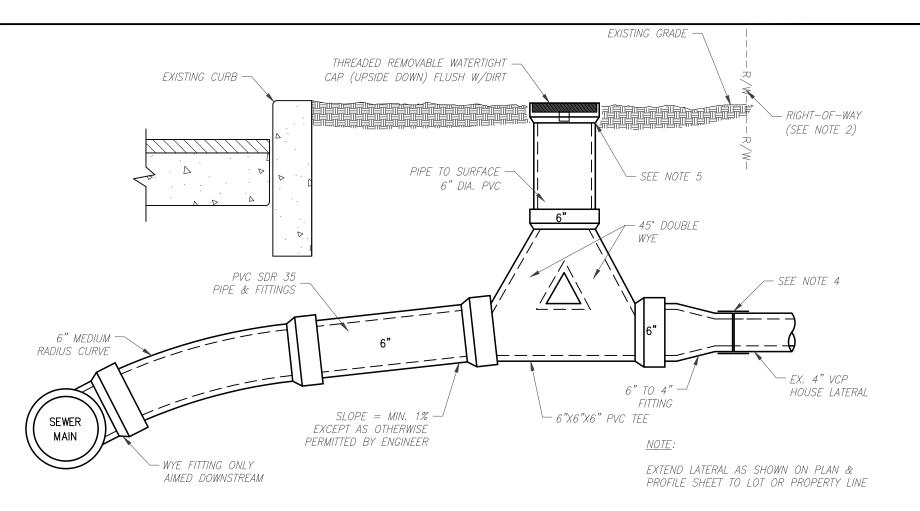












### NOTES:

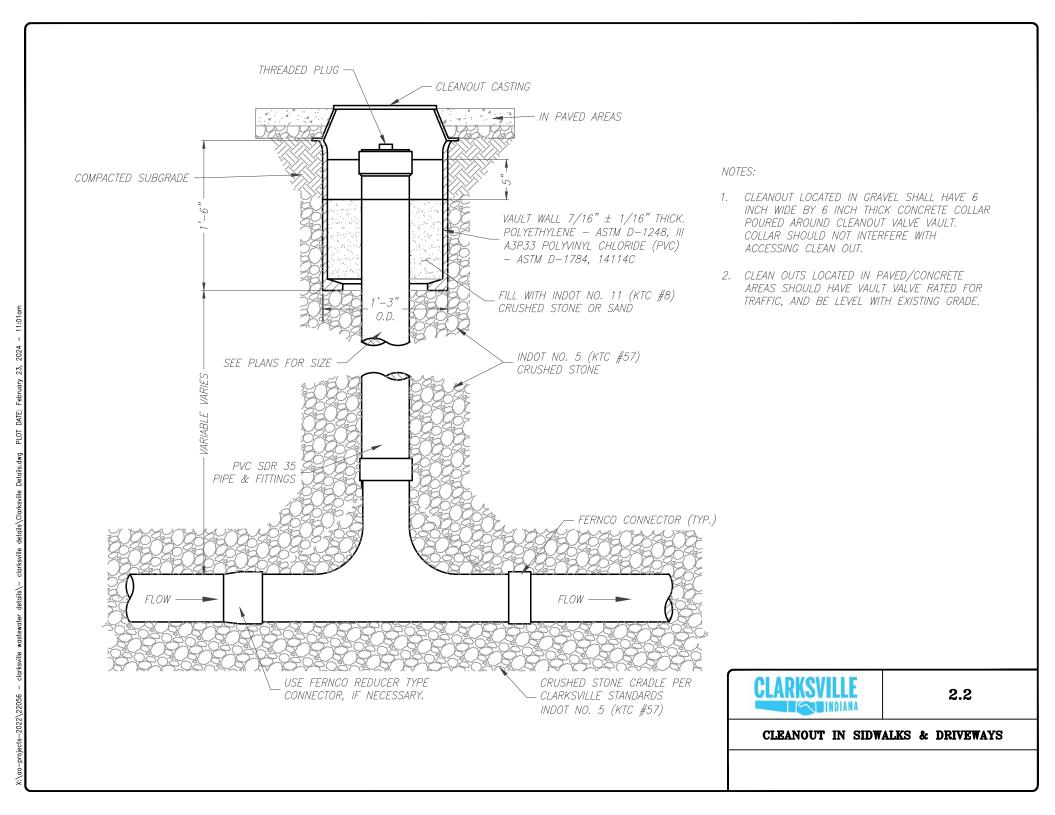
- 1. PROPERTY SERVICE CONNECTIONS CROSSING UNDER (OVER) THE STORM DRAIN OR UTILITY CONDUIT PROPOSED OR EXISTING WITH LESS THAN (2) FEET OF CLEARANCE SHALL BE CAPPED (CRADLED) WITH 6" CLASS "B" CONCRETE IN ACCORDANCE WITH THE TYPICAL CONCRETE CAP (CONCRETE CRADLE) DETAIL. THE MINIMUM CLEARANCE IS 6-INCHES FOR ALL UTILITIES AND STORM DRAINS AND 18-INCHES FOR WATER LINES.
- 2. A CLEANOUT SHALL BE ADDED TO ALL LATERALS THAT ARE BEING TRANSFERRED TO NEW/PROPOSED SANITARY LINE. THE CLEANOUT SHALL BE CONSTRUCTED ON THE RIGHT OF WAY LINE.
- 3. SOLID/HARD WATERTIGHT CONNECTOR OR FERNCO COUPLING WITH STAINLESS STEEL HARDWARE.
- 4. WHERE NECESSARY THE CONTRACTOR TO UTILIZE THE STACKING DETAIL FOR THE CONNECTION TO THE SEWER MAIN.
- 5. CLEANOUTS LOCATED IN DRIVEWAYS AND SIDEWALKS SHALL REFER TO CLEANOUT IN DRIVEWAYS AND SIDEWALKS DETIAL.

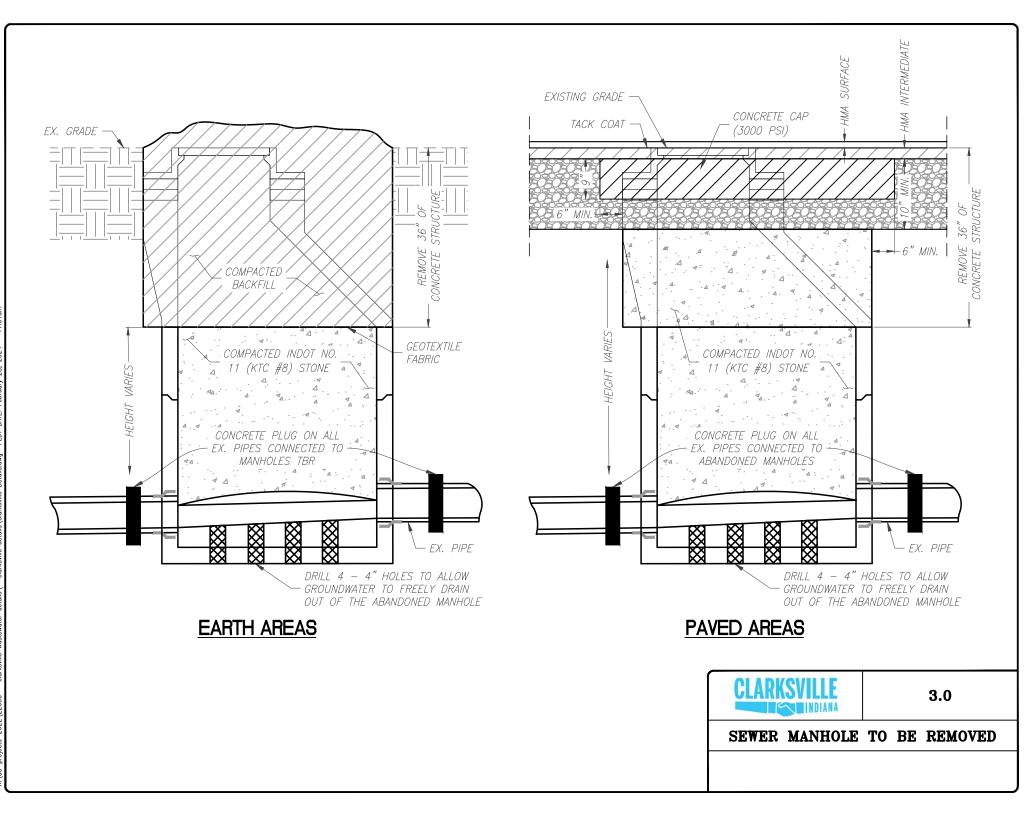
LATERAL WITH CLEANOUT

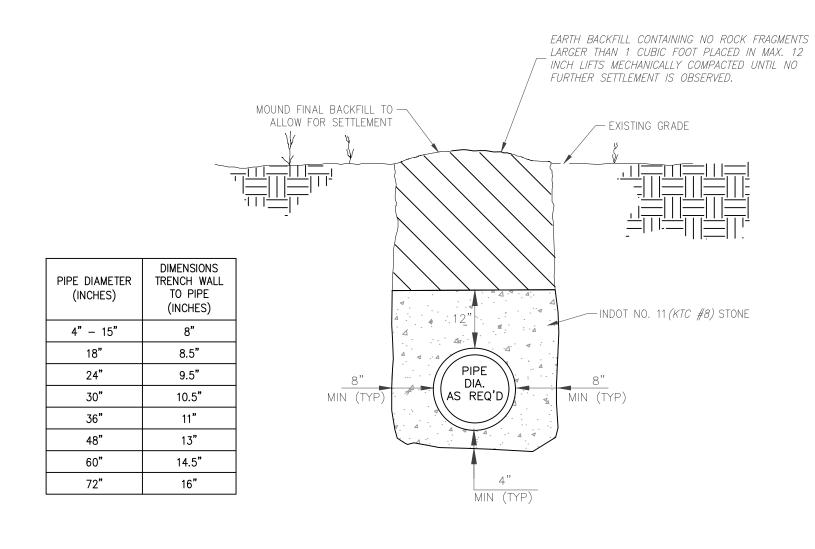
2.1

DATE:

PLOT







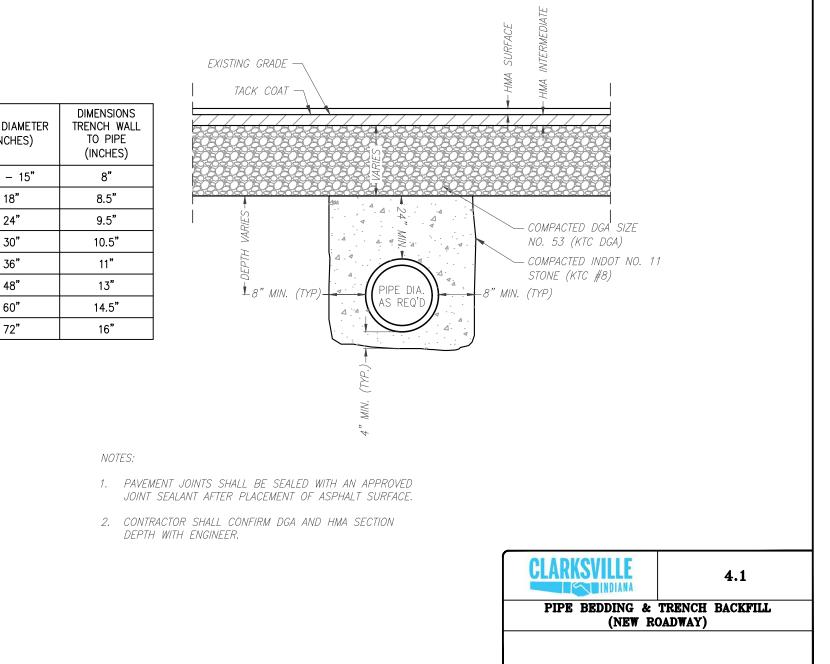
#### <u>NOTES</u>:

1. SEE PLANS AND SPECIFICATIONS FOR SEED MIXTURE TYPE. 

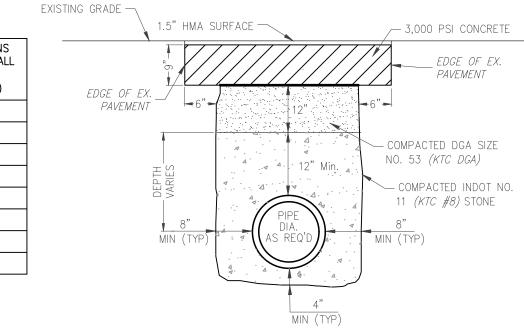
 CLARKSVILLE
 4.0

 PIPE BEDDING & TRENCH BACKFILL

 (EARTH AREAS)



PIPE DIAMETER (INCHES)	DIMENSIONS TRENCH WALL TO PIPE (INCHES)
4" — 15"	8"
18"	8.5"
24"	9.5"
30"	10.5"
36"	11"
48"	13"
60 <b>"</b>	14.5 <b>"</b>
72"	16"



4.2
TRENCH BACKFILL ROADWAY)

PIPE DIAMETER (INCHES)	DIMENSIONS TRENCH WALL TO PIPE (INCHES)
4" - 15"	8"
18"	8.5"
24"	9.5"
30"	10.5"
36"	11"
48"	13"
60"	14.5"
72"	16"

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