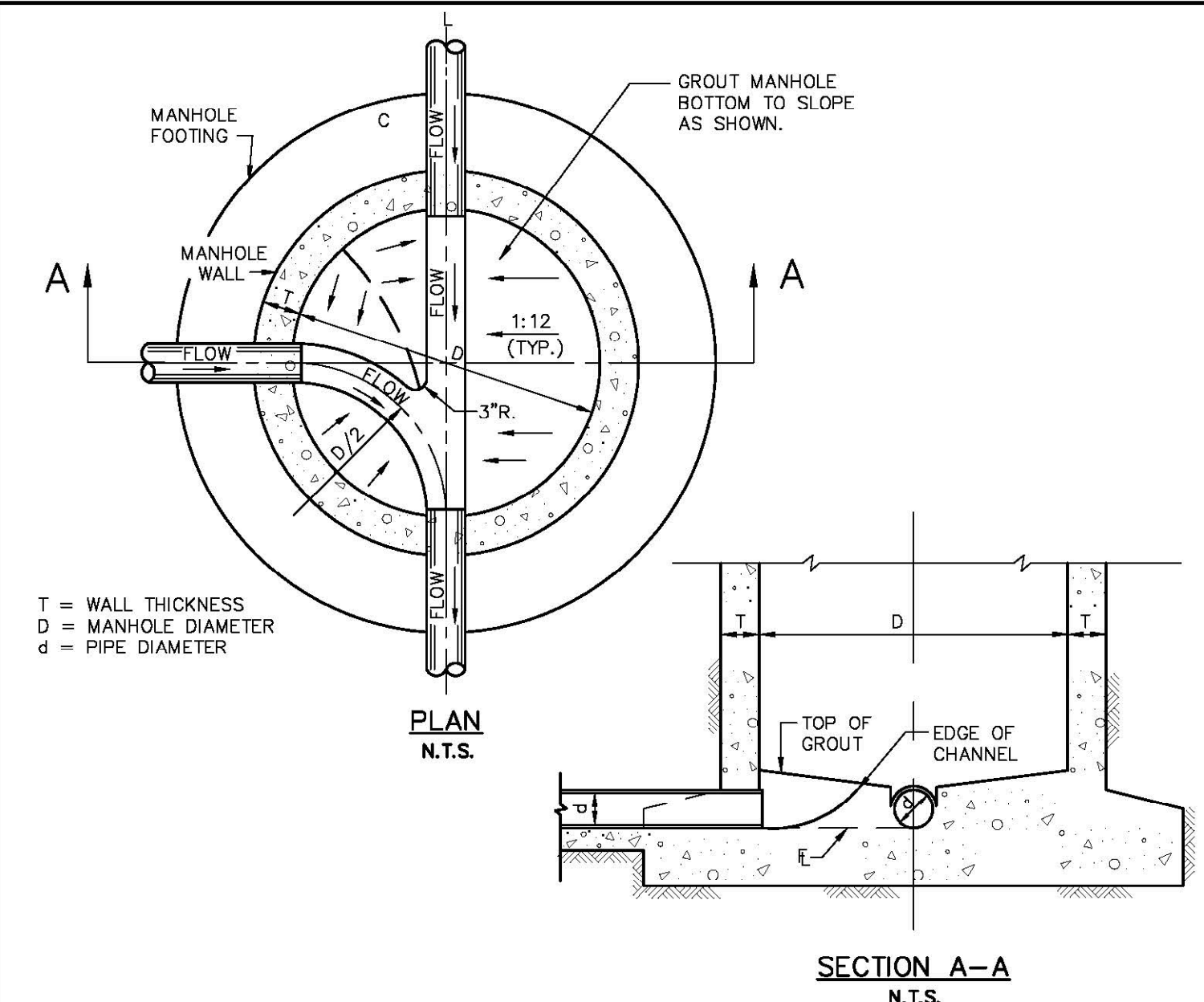
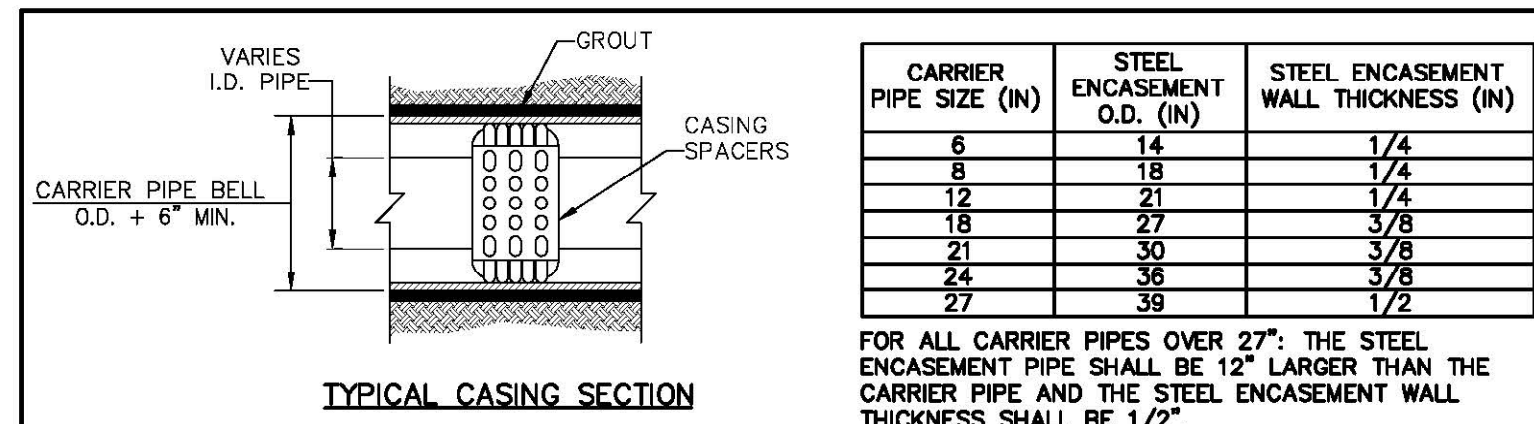
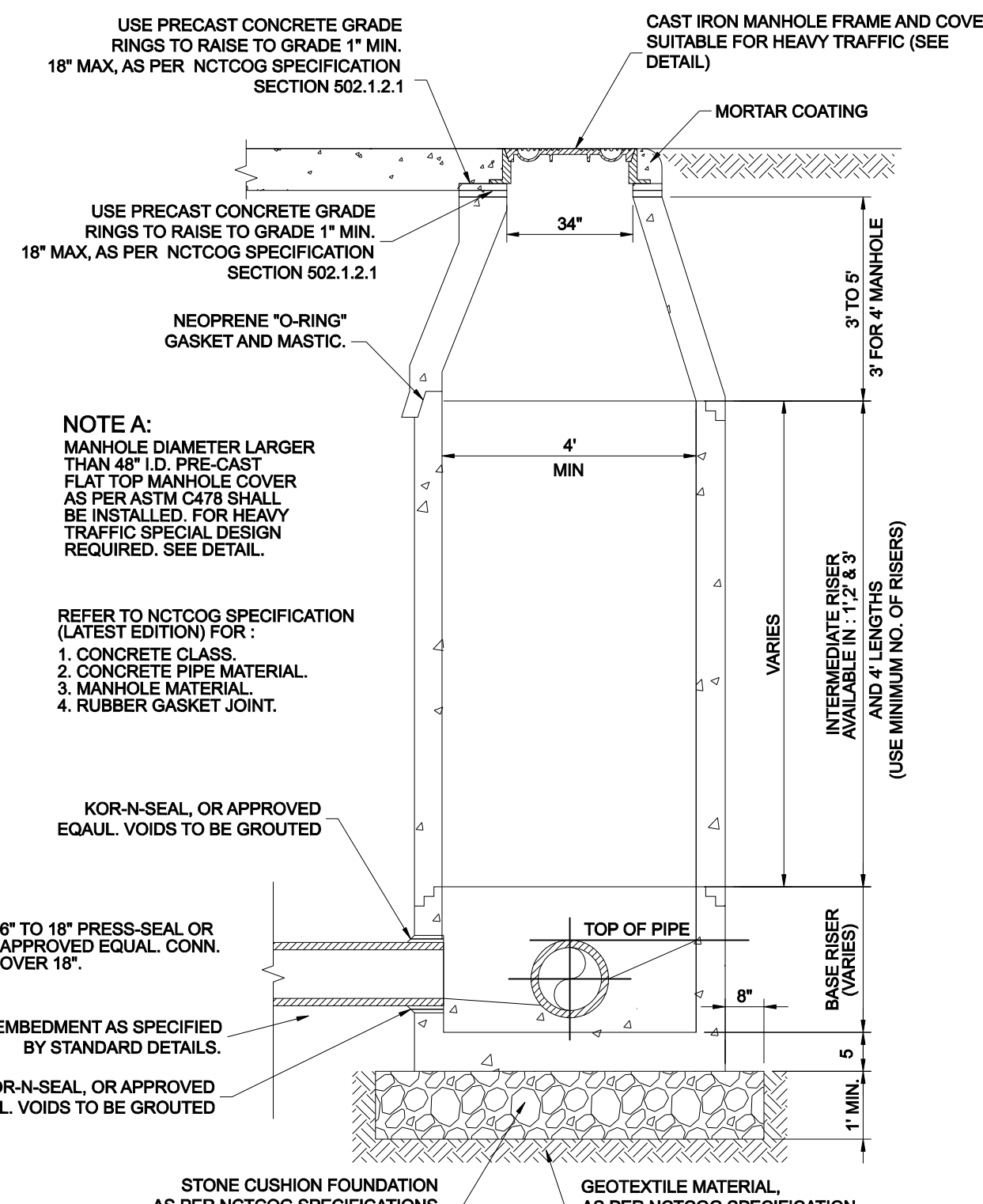
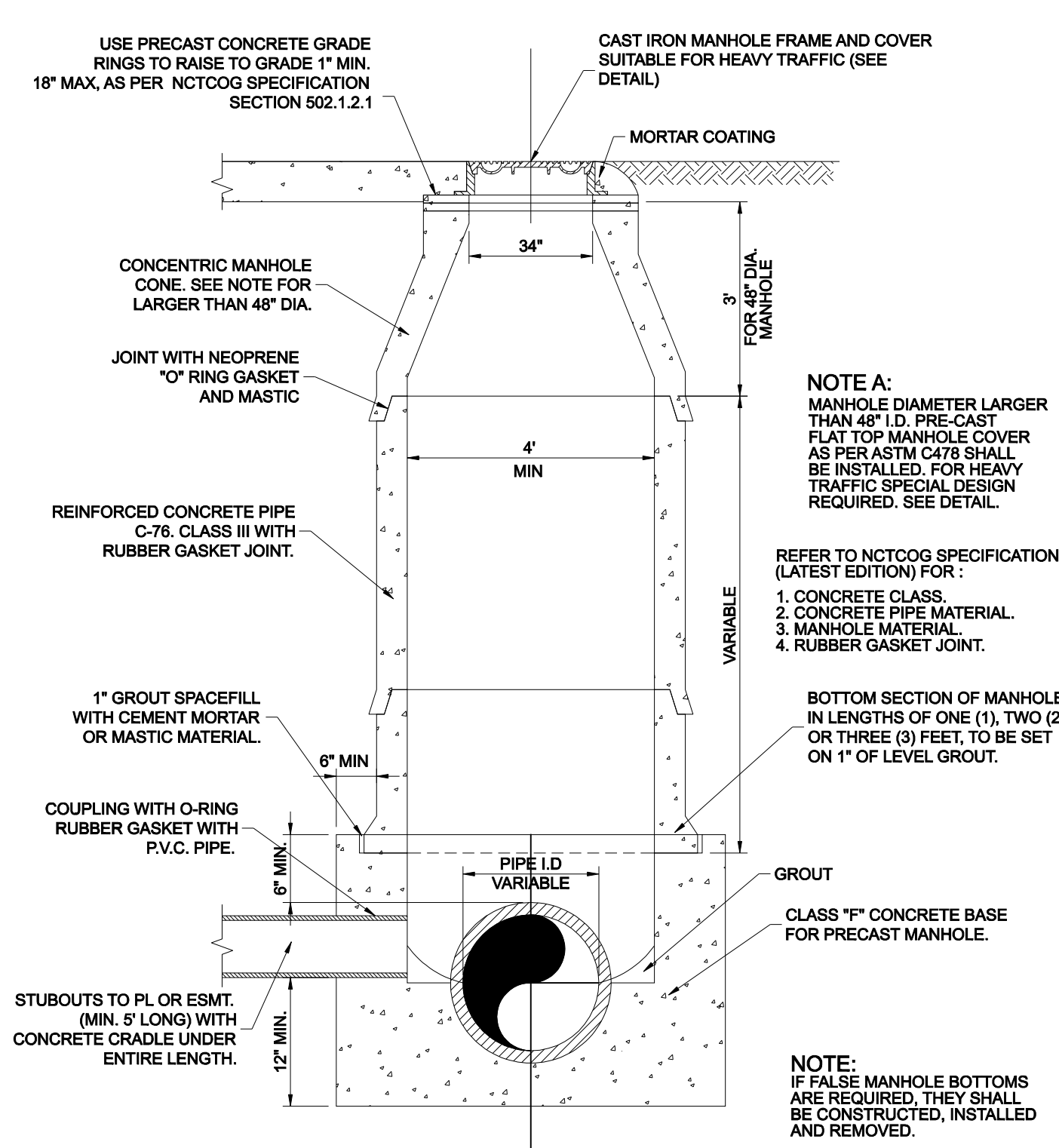
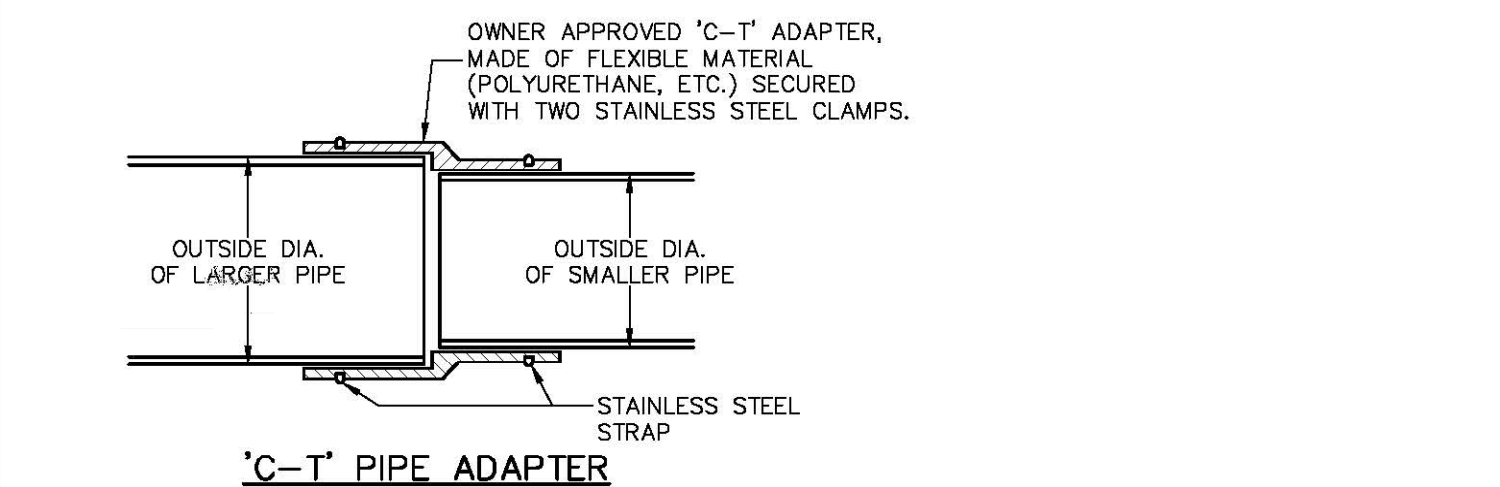


LOAD RATING <b>HEAVY DUTY</b>	COATING <b>DIPPED</b>	ESTIMATED WEIGHT COVER: <b>LBS 86 kg</b>	MATERIAL SPECIFICATION COVER - <b>GRAY IRON</b> ASTM A48 CL35B
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**CAST IRON FRAME AND COVER**

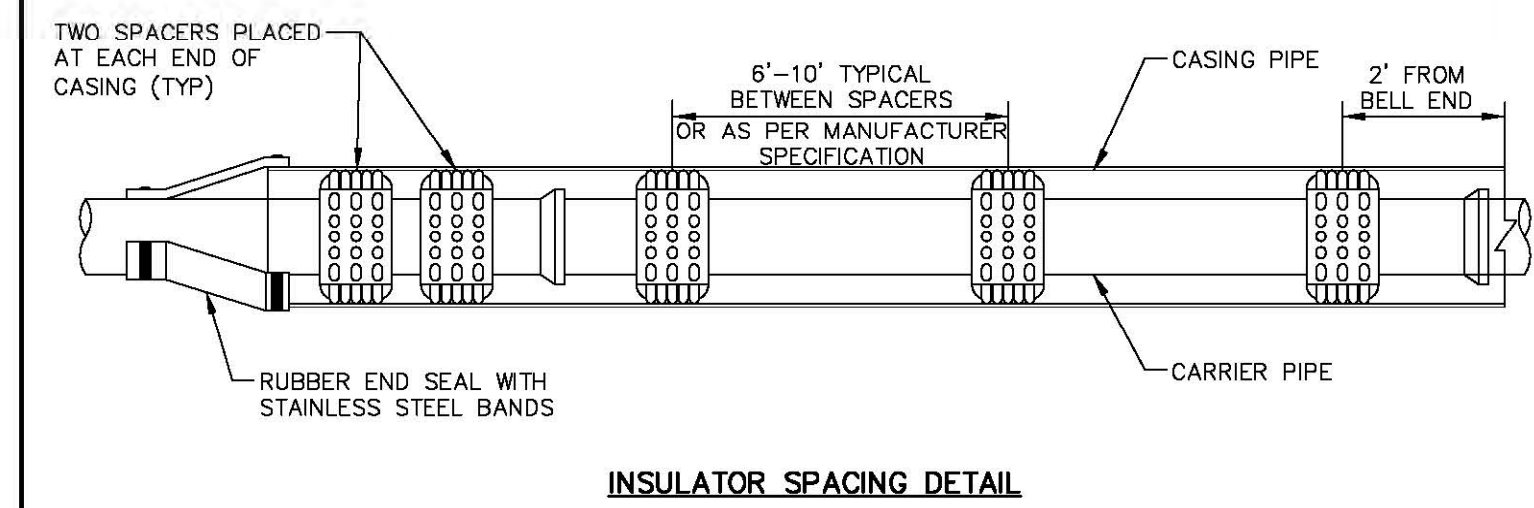
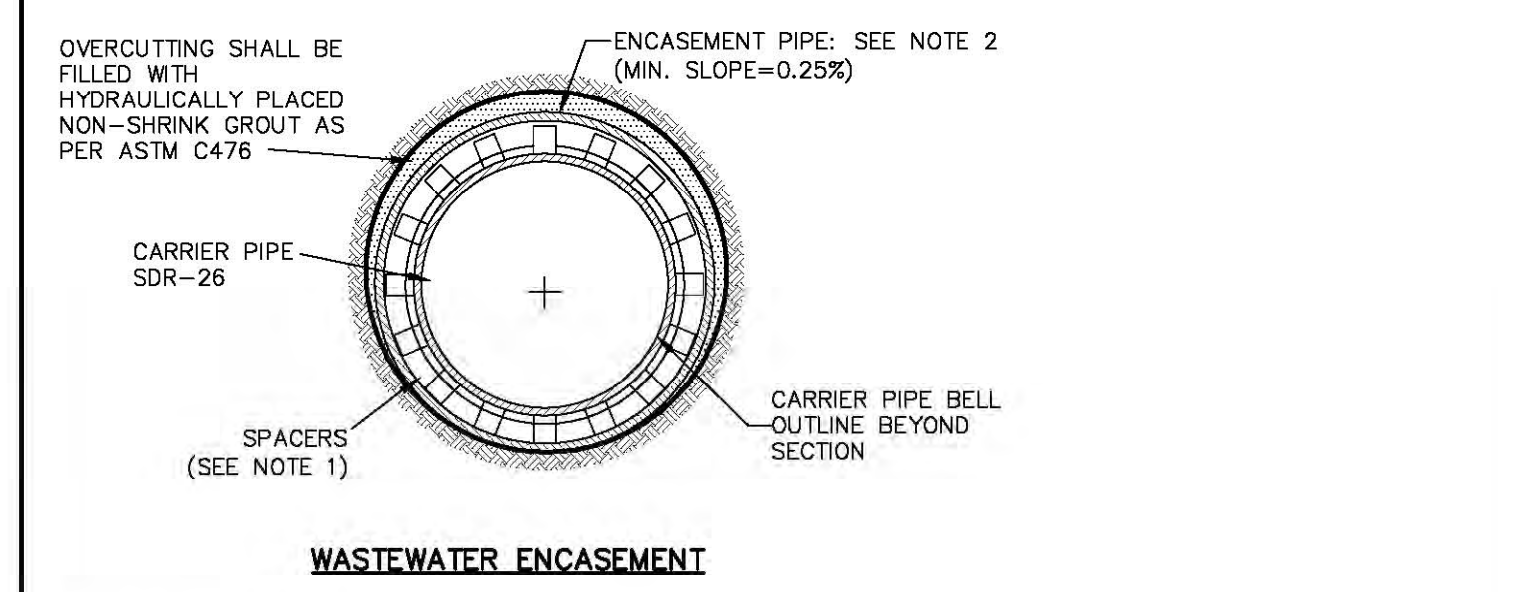


**WASTEWATER MANHOLE LINE INTERSECTION**



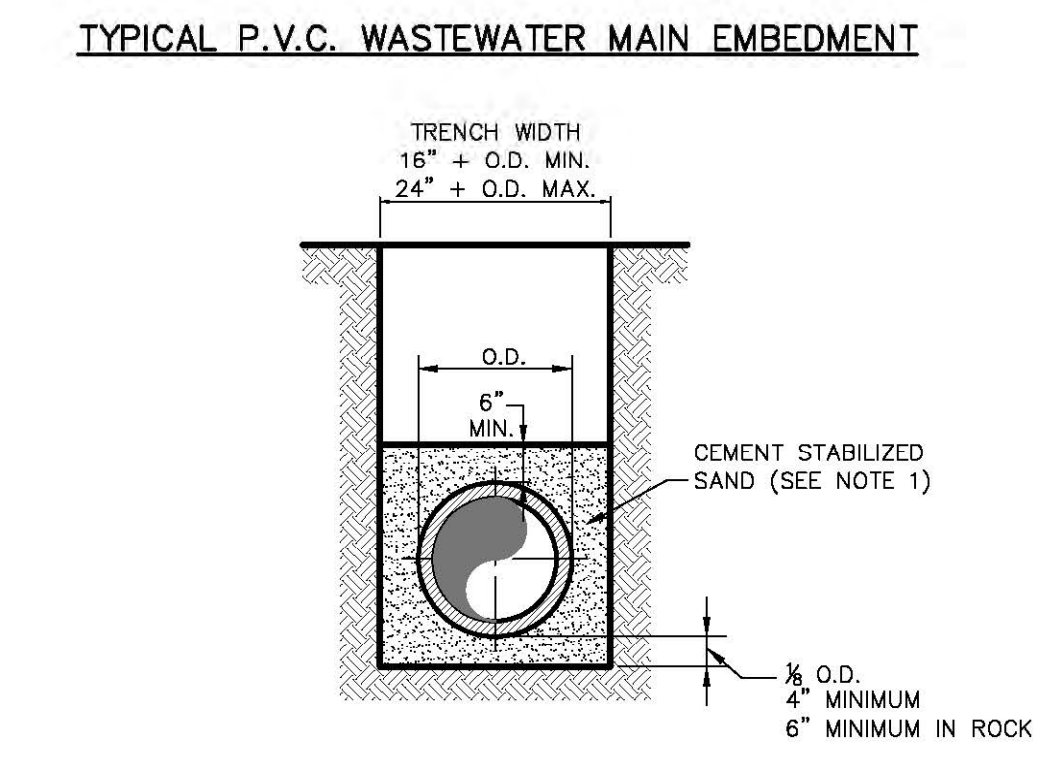
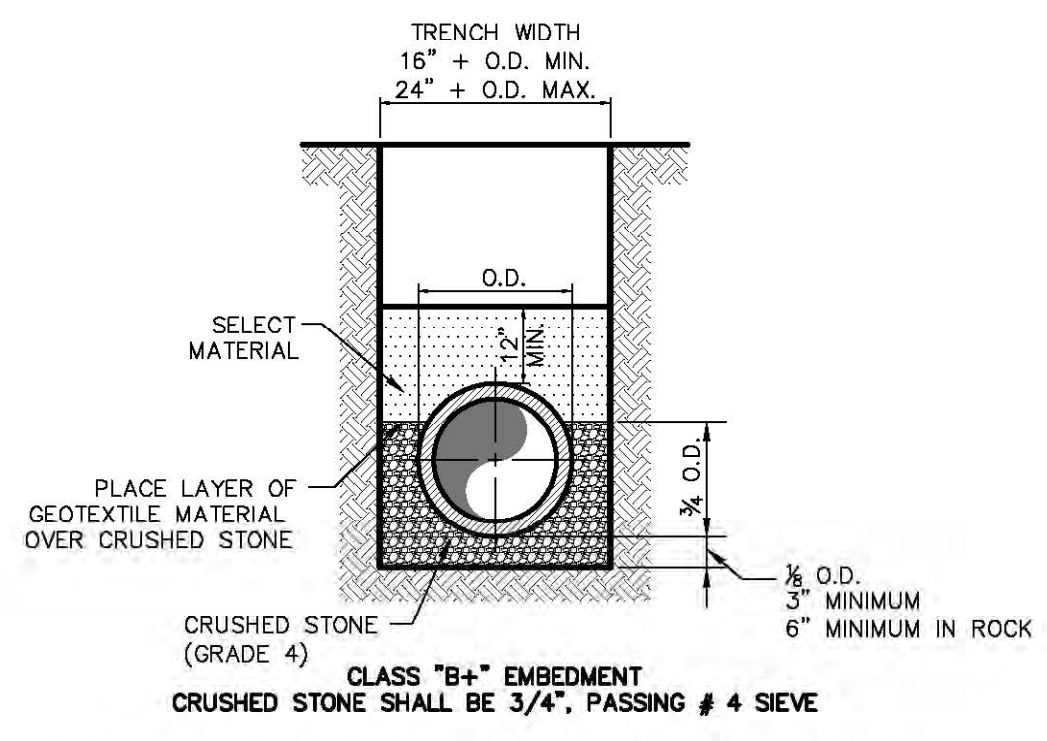
CARRIER PIPE SIZE (IN)	STEEL ENCASEMENT O.D. (IN)	STEEL ENCASEMENT WALL THICKNESS (IN)
6	14	1/4
8	18	1/4
12	21	1/4
18	27	3/8
21	30	3/8
24	36	3/8
27	39	1/2

FOR ALL CARRIER PIPES OVER 27", THE STEEL ENCASEMENT PIPE SHALL BE 12" LARGER THAN THE CARRIER PIPE AND THE STEEL ENCASEMENT WALL THICKNESS SHALL BE 1/2".



- NOTES:**
- HIGH DENSITY POLYETHYLENE SPACERS, RACI OR EQUAL, SHALL BE USED. WHERE NO CASING PIPE IS REQUIRED OVERCUTTING AROUND UTILITY SHALL BE FILLED WITH HYDRAULICALLY PLACED NON-SHRINK GROUT AS PER ASTM C476.
  - ENCASEMENT PIPE SHALL BE HIGH DENSITY STEEL PIPE. ALL JOINTS TO BE WELDED 100%.

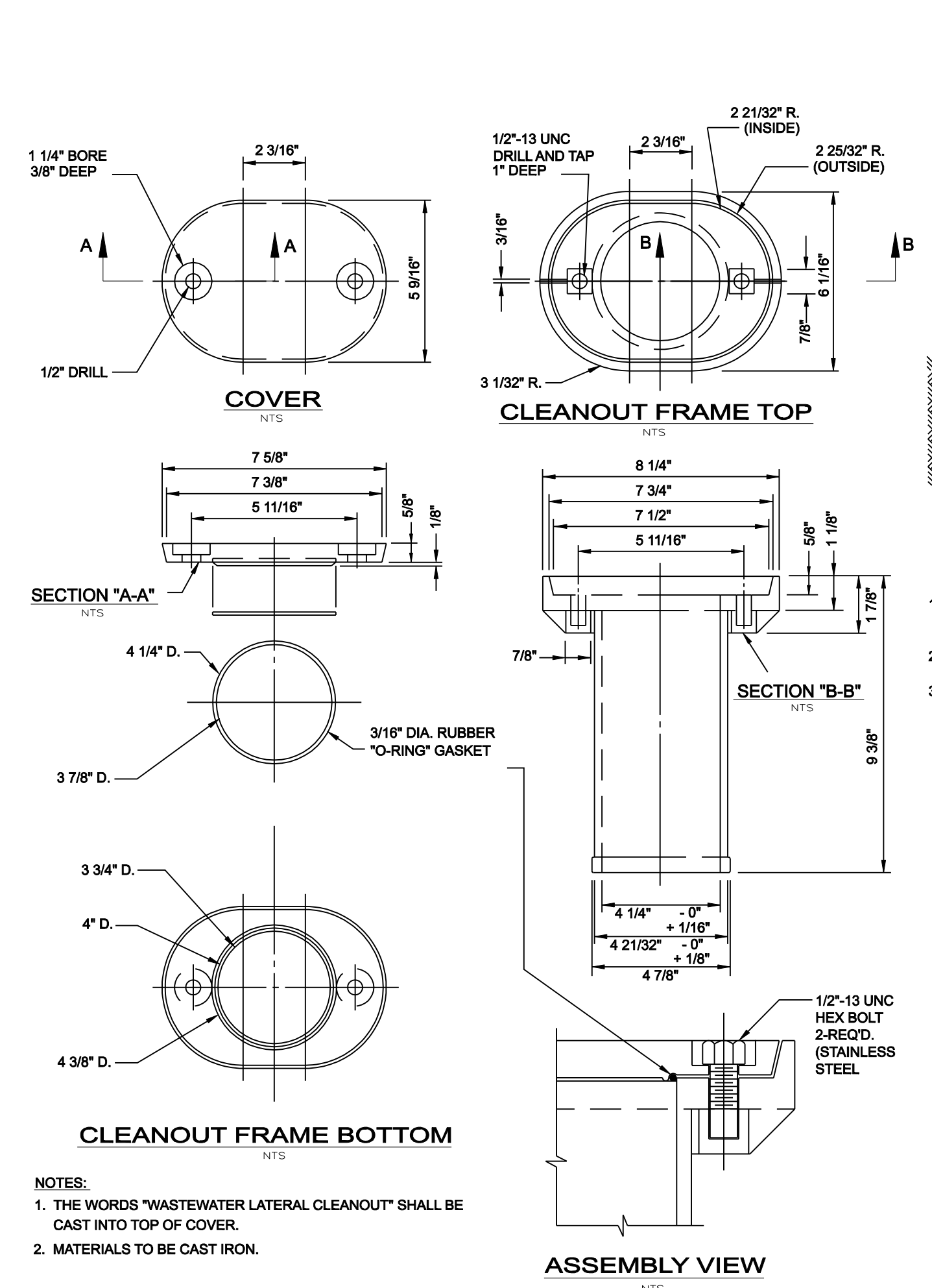
<b>ADDISON!</b> PUBLIC WORKS DEPARTMENT	CASING	STANDARD CONSTRUCTION DETAILS WASTEWATER
DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW16



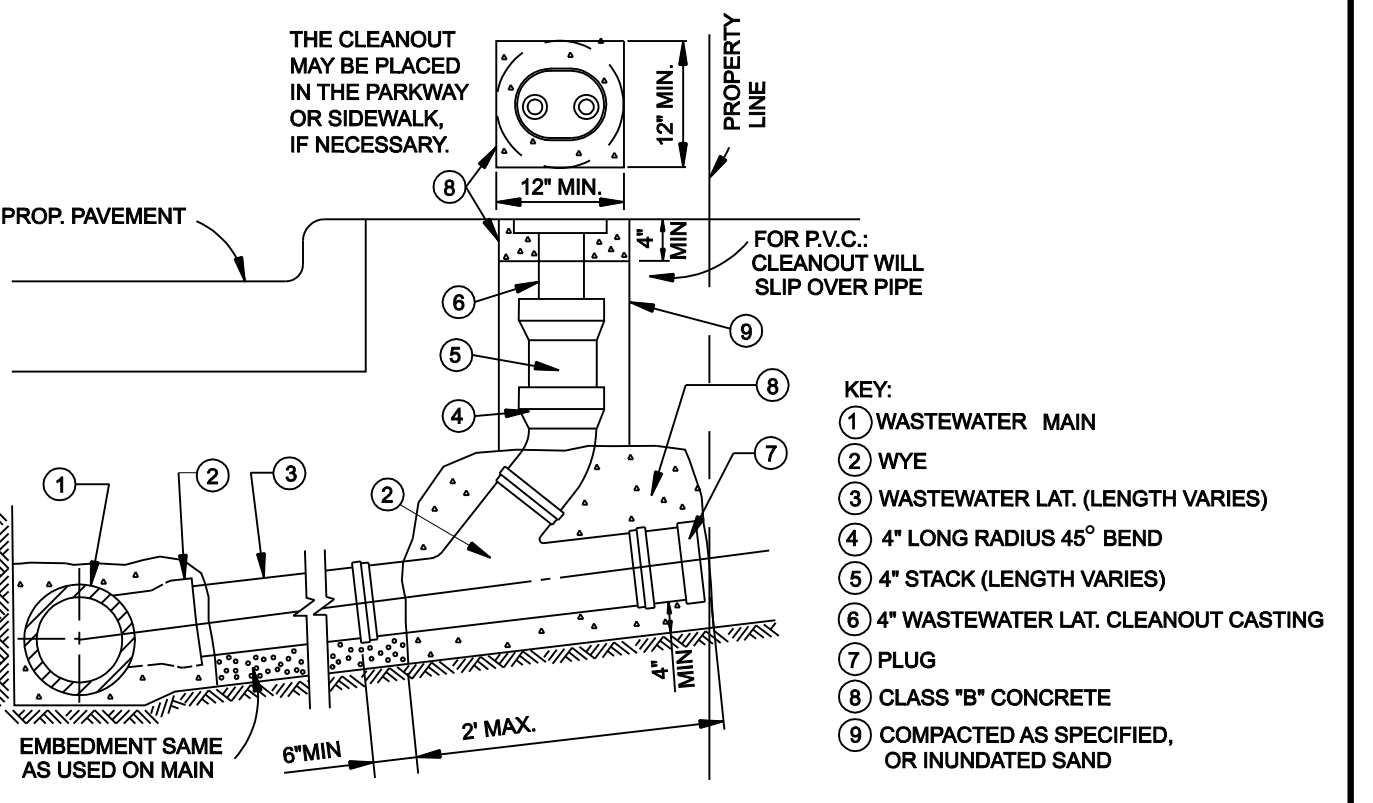
- NOTE:**
- CEMENT STABILIZED SAND SHALL HAVE A MINIMUM OF 10% CEMENT PER CUBIC YARD OF CEMENT STABILIZED SAND MIXTURE. BASED ON LOOSE DRY WEIGHT VOLUME. (AT LEAST 2.5 BAGS OF CEMENT PER CUBIC YARD OF MIXTURE). THE USE OF BROWN COLORING IN CEMENT STABILIZED SAND IS REQUIRED FOR PRESSURE RATED WASTEWATER MAIN AND LATERAL BEDDING.

**P.V.C. WASTEWATER MAIN CEMENT STABILIZED SAND EMBEDMENT**

**PRECAST CONCRETE PIPE MANHOLE ALTERNATE "A"**



**SANITARY SEWER LATERAL CLEANOUT FRAME & COVER**



- NOTES:**
- CLEANOUT CASTING TO BE FURNISHED AND PLACED PER SPECIAL CONDITIONS. IN VEHICLE TRAFFIC AREAS AND FOR COMMERCIAL MAINLINE LATERALS, WASTEWATER CLEANOUT SHALL BE OF CAST IRON.
  - SLOPE OF LATERAL TO BE 1% MIN., 2% MAX. UNLESS SHOWN OTHERWISE ON THE PLAN & PROFILE.
  - THE CLEANOUT STACK & CASTING MAY BE PLACED IN THE PARKWAY, VEHICLE TRAFFIC AREAS, OR SIDEWALK, IF NECESSARY.

**BRUCE F. DUNNE**  
 LICENSED PROFESSIONAL ENGINEER  
 01/22/20

NO.	REVISION	BY	DATE
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**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
 Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**

<b>SANITARY SEWER DETAILS</b>					
DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		21

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05