

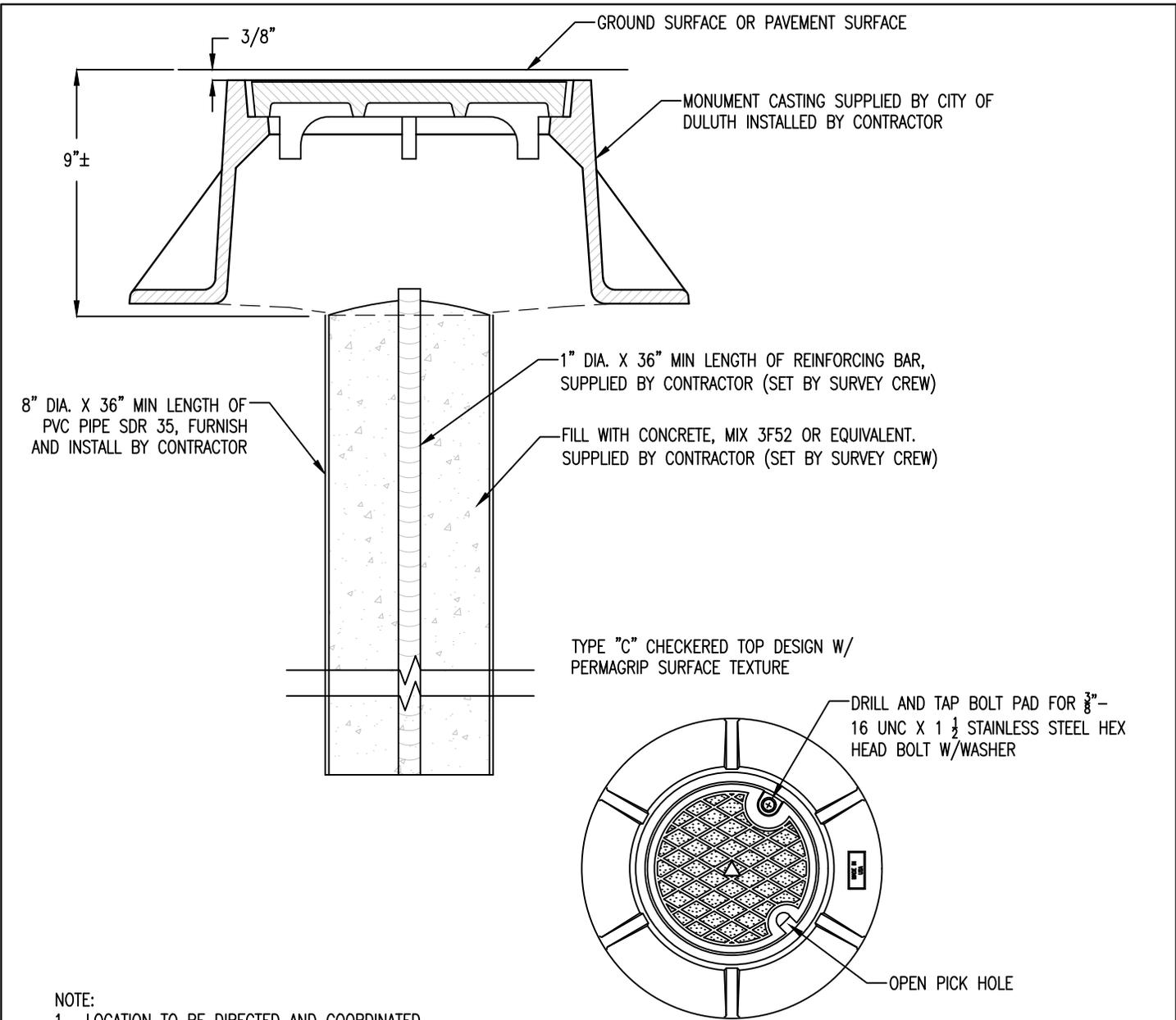
SURVEY DETAILS

SUR-1

SURVEY MONUMENT

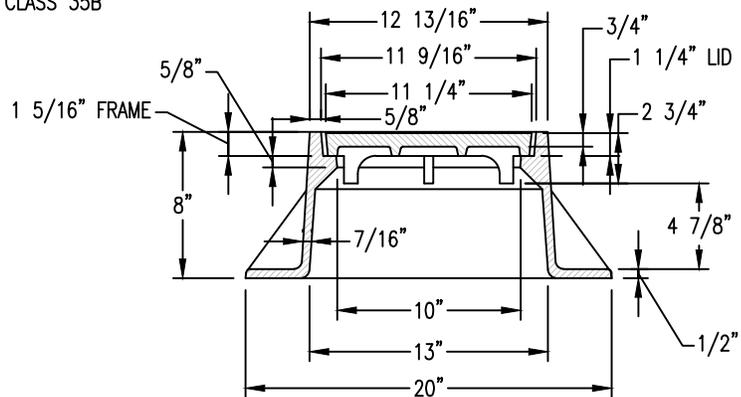
SUR-2

CONCRETE ENCASED CASTING COLLAR IN ROADWAY



NOTE:

1. LOCATION TO BE DIRECTED AND COORDINATED WITH SURVEY CREW.
2. FRAME & SOLID LID, BOLTED.
3. MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
4. FINISH: NO PAINT
5. WEIGHT: FRAME 83#, LID 24#.



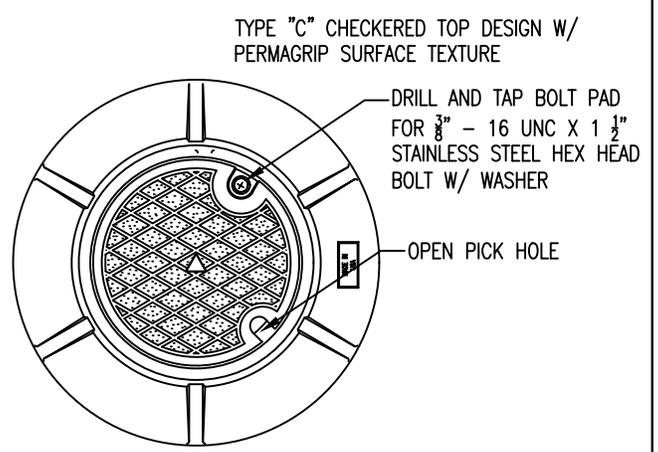
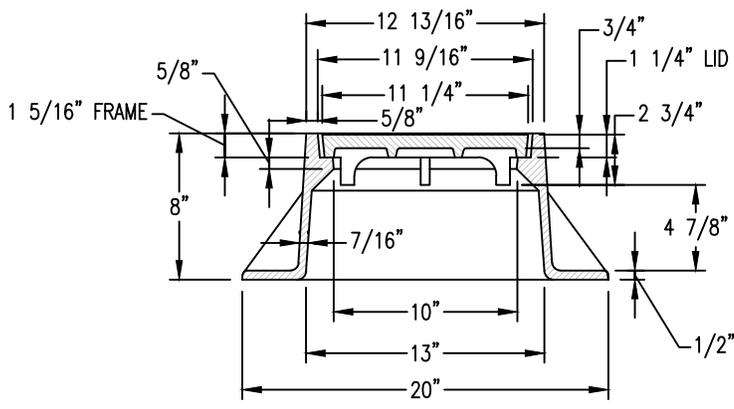
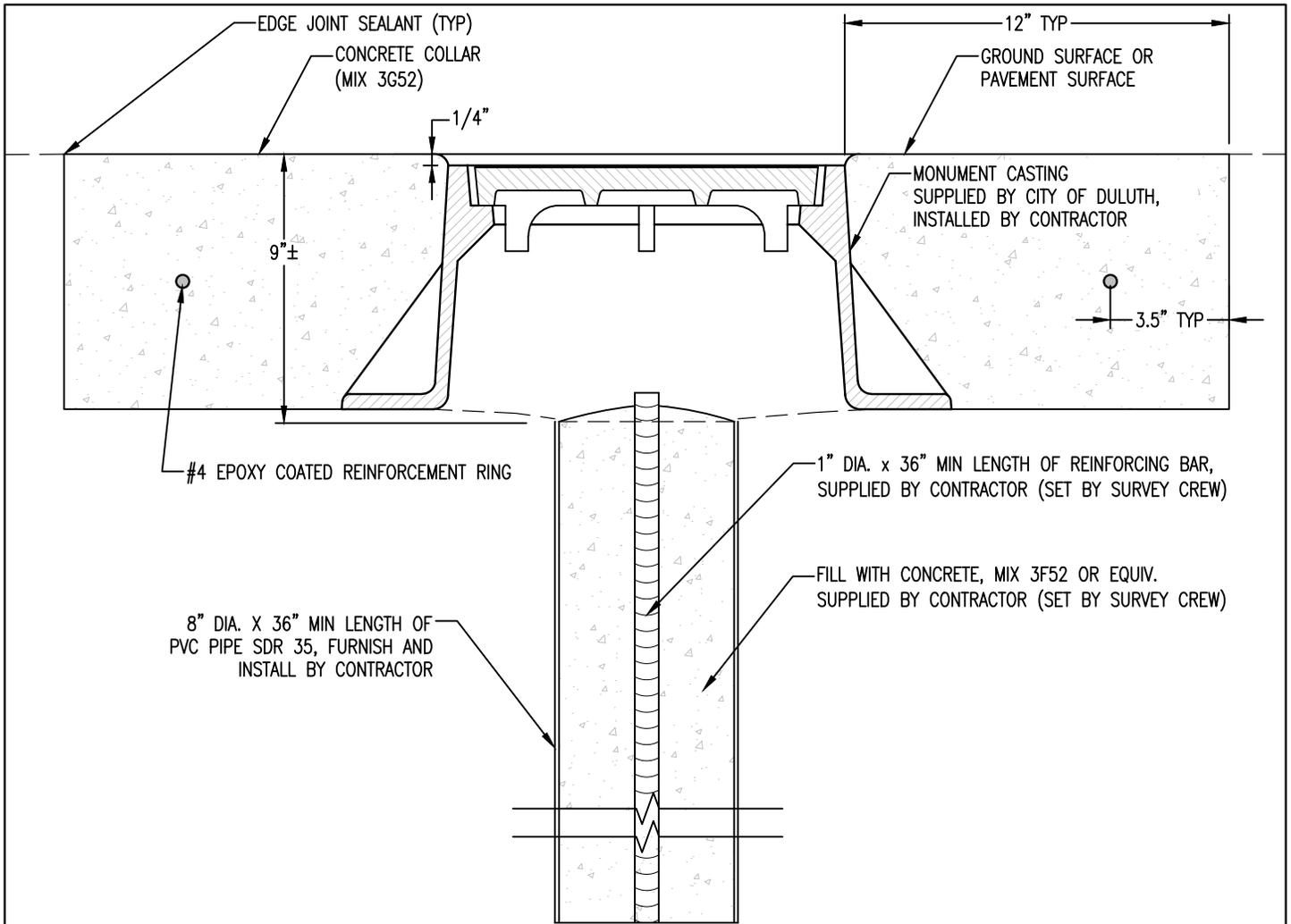
CONSTRUCT SURVEY MONUMENT

SUR-1

REVISED/APPROVED 04/05/2019

CITY OF DULUTH STANDARD DETAIL
DEPT. OF PUBLIC WORKS AND UTILITIES

NO SCALE



- GENERAL NOTE:
1. LOCATION TO BE DIRECTED AND COORDINATED WITH SURVEY CREW.
 2. FRAME & SOLID LID, BOLTED.
 3. MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
 4. FINISH: NO PAINT
 5. WEIGHT: FRAME 83#, LID 24#.
 6. CONCRETE (MIX NO 3G52) COLLAR TO ENCASE CASING.
 7. CONCRETE COLLAR SHALL BE CIRCULAR LAYOUT. REMOVE PAVEMENT AND BASE WITH ROTATING CUTTING DEVICE.
 8. FINISH CONCRETE EDGE WITH 1/4" RADIUS. SEAL JOINT BETWEEN PAVEMENT AND COLLAR.

CONCRETE ENCASED CASTING COLLAR IN ROADWAY		SUR-2
REVISED/APPROVED 04/05/2019	CITY OF DULUTH STANDARD DETAIL DEPT. OF PUBLIC WORKS AND UTILITIES	NO SCALE