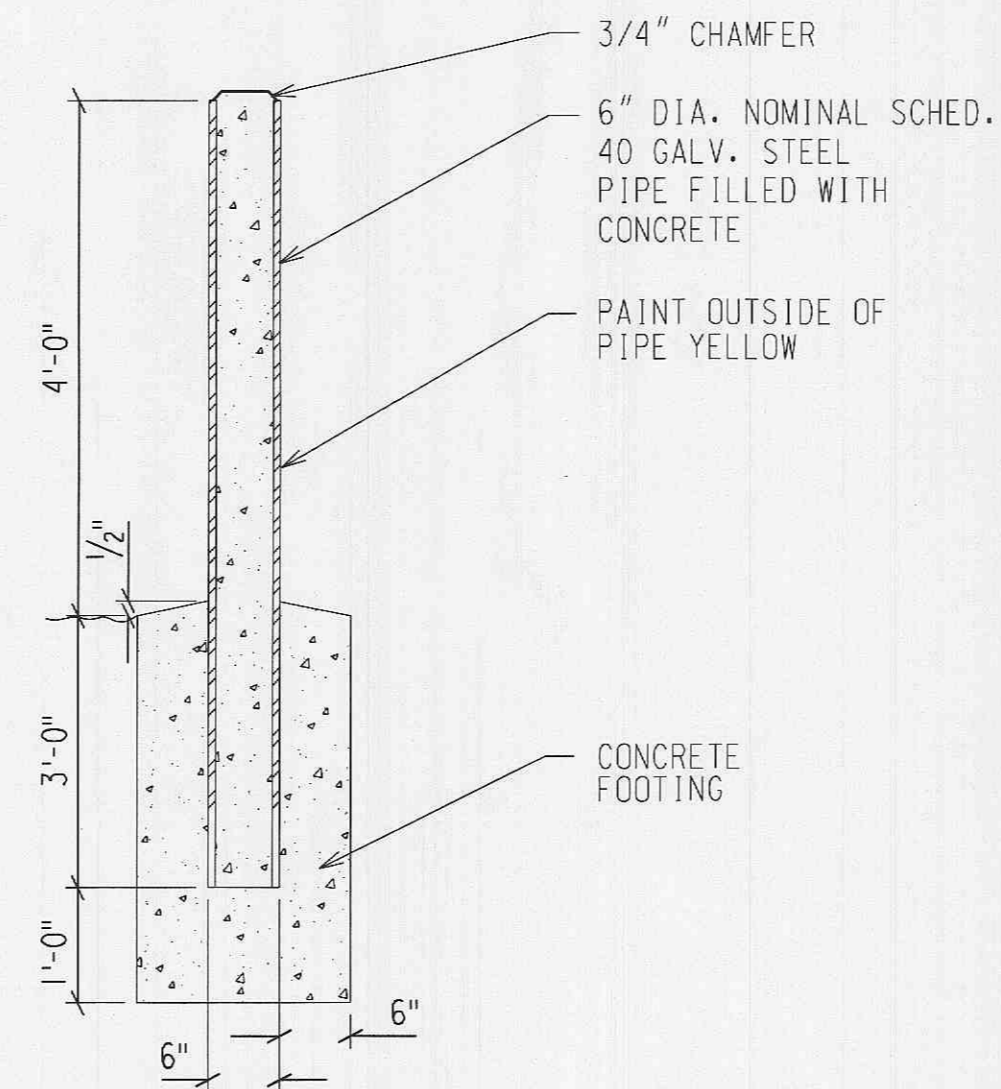


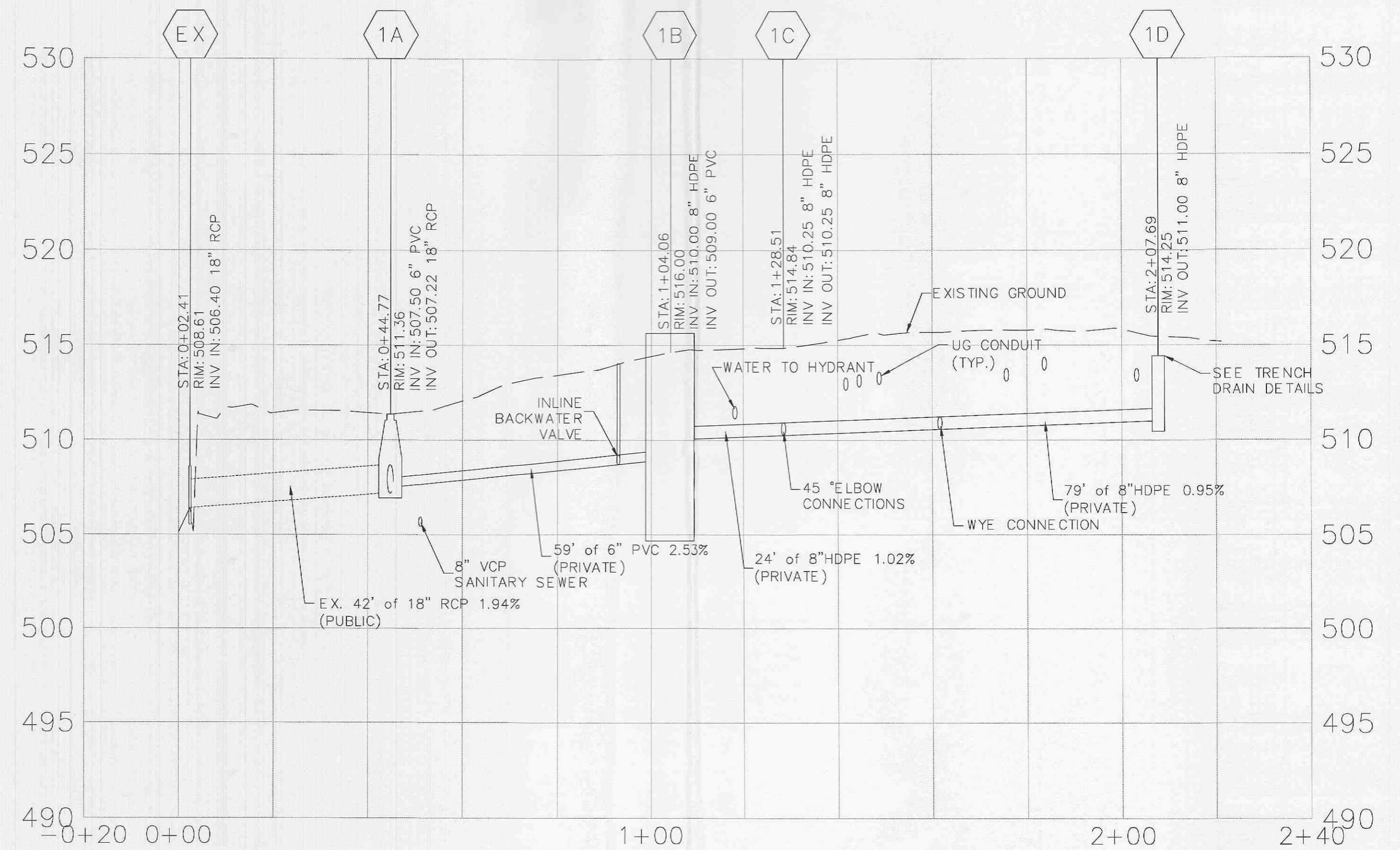
NOTES:

1. MANHOLE SOLID COVERS SHALL BE NEENAH R-1761 OR MSD APPROVED EQUAL. GRATE INLETS SHALL BE AS SPECIFIED ON PLANS.
2. SET TOPS OF MANHOLE COVERS AND GRATE INLETS FLUSH WITH SURROUNDING FINAL GRADES.
3. STEPS SHALL BE NEENAH R-1981-Y OR MSD APPROVED EQUAL. STEP SPACING AND ALIGNMENT SHALL BE MAINTAINED UNIFORM AND VERTICAL THROUGHOUT THE TOTAL DEPTH AS INDICATED.
4. PRECAST CONCRETE SECTIONS SHALL CONFORM TO ASTM C-478. ALL JOINTS BETWEEN THESE SECTIONS SHALL BE GROUTED SHUT.
5. WHEN MANHOLES AND INLETS ARE SET IN PAVEMENTS, BACKFILL AROUND STRUCTURE SHALL BE COMPACTED GRANULAR MATERIAL.
6. THIS DETAIL IS ONLY TO BE USED AS A GENERAL GUIDE TO MANHOLE AND INLET CONSTRUCTION. ALL SEWER PIPES AND STRUCTURES MUST BE BUILT IN ACCORDANCE WITH THE MSD STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES-2009.
7. MINIMUM MANHOLE/INLET DIAMETER SHALL BE 48" DIAMETER, WHERE APPLICABLE. CONTRACTOR TO DETERMINE MANHOLE/INLET DIAMETER NECESSARY FOR EACH SPECIFIC CIRCUMSTANCE. CONTRACTOR TO SUBMIT PRECAST SHOP DRAWINGS, WITH EACH MANHOLE/INLET DIAMETER CLEARLY MARKED, TO ENGINEER FOR APPROVAL.
8. PROVIDE A MARKING ON THE STORM SEWER INLETS. VERIFY WITH THE CITY OF FALLON FOR ALLOWABLE MARKERS AND ADHESIVE PROCEDURES.

A TYPICAL MANHOLE SECTION
NOT TO SCALE



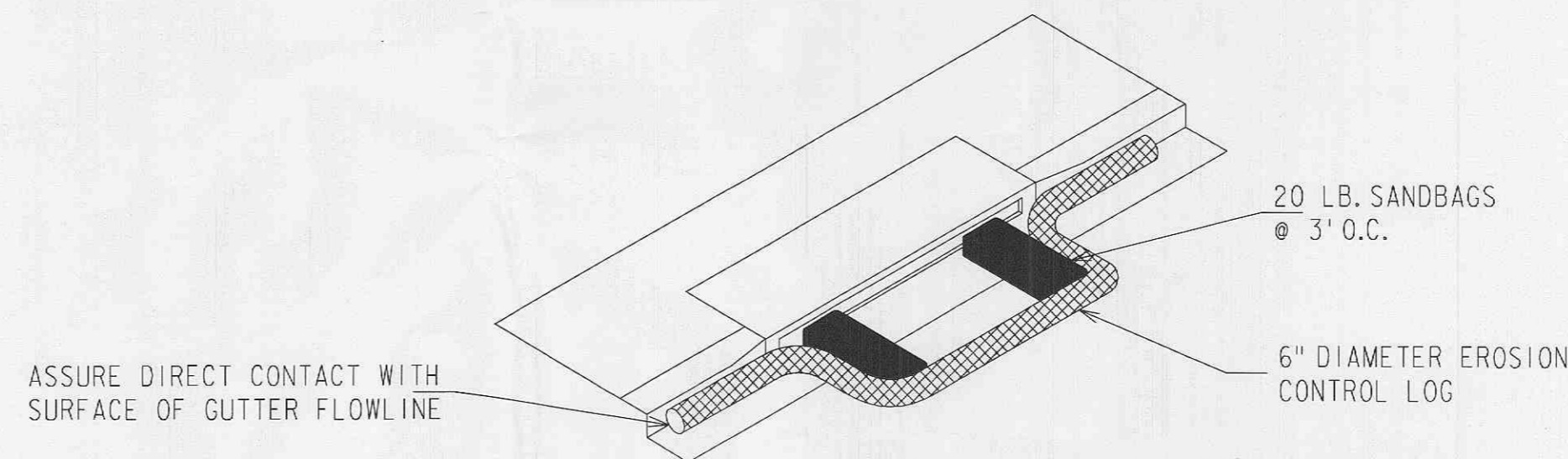
B PIPE BOLLARD (4' TALL)
NOT TO SCALE



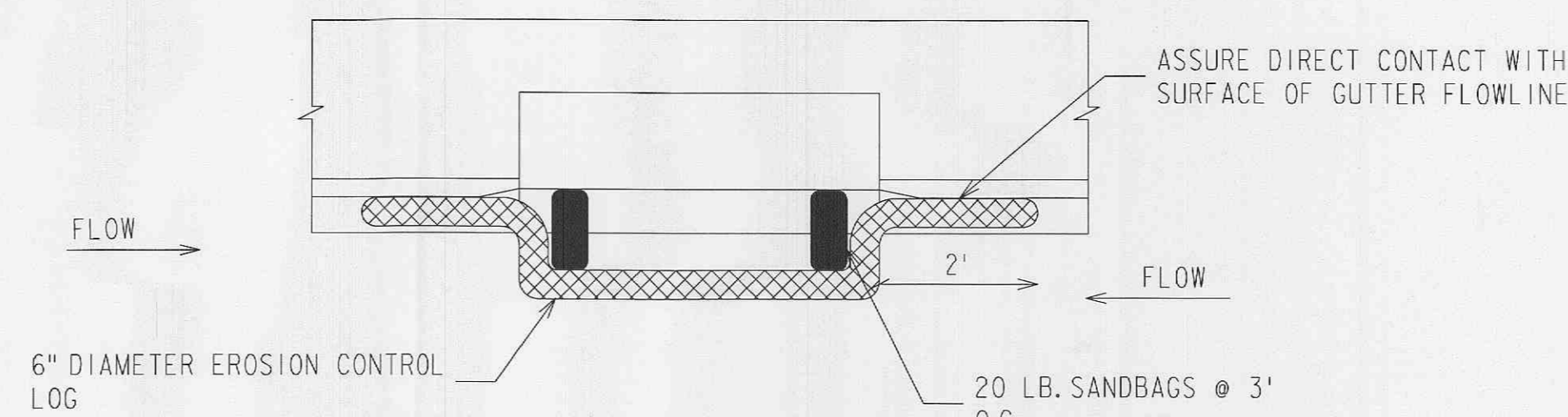
NOTES:

1. PROVIDE ROCK BACKFILL TO ALL STORM AND SANITARY SEWERS WITHIN 10 FEET OF THE EDGE OF PAVEMENT AND THAT LIE WITHIN THE 1:1 SHEAR PLANE OF THE ROAD.

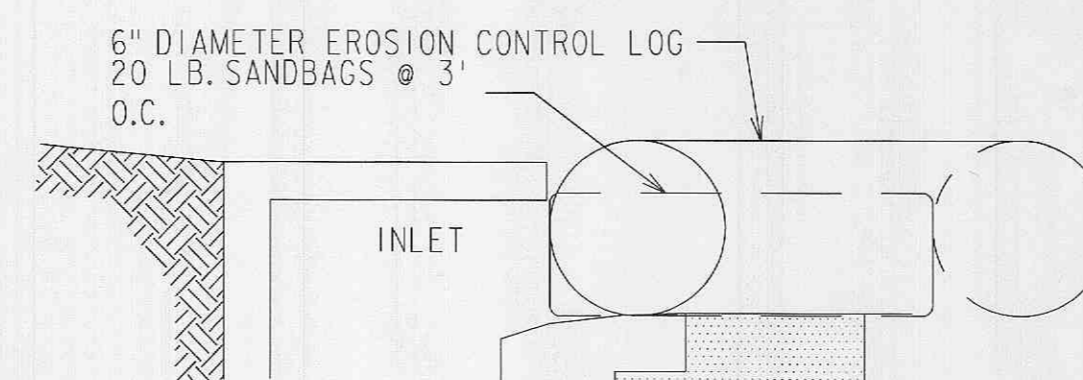
C STORM PROFILE
NOT TO SCALE



ISOMETRIC

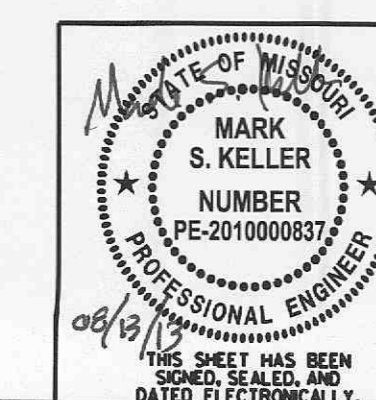


PLAN



CROSS SECTION

D INLET PROTECTION SOCK
NOT TO SCALE



REV	PROJ ID	DATE	DRWN	RW	APPD	MISC. DETAILS
0	JS44148	08/13/13	MSK	DML	MSK	

SONDEREN SUBSTATION					
641301					REV 0

FILE: 641301-DETAILS.dgn
 PRINTED BY: JUKROWM
 TIME: 8/13/2013 3:06:34 PM

24X36