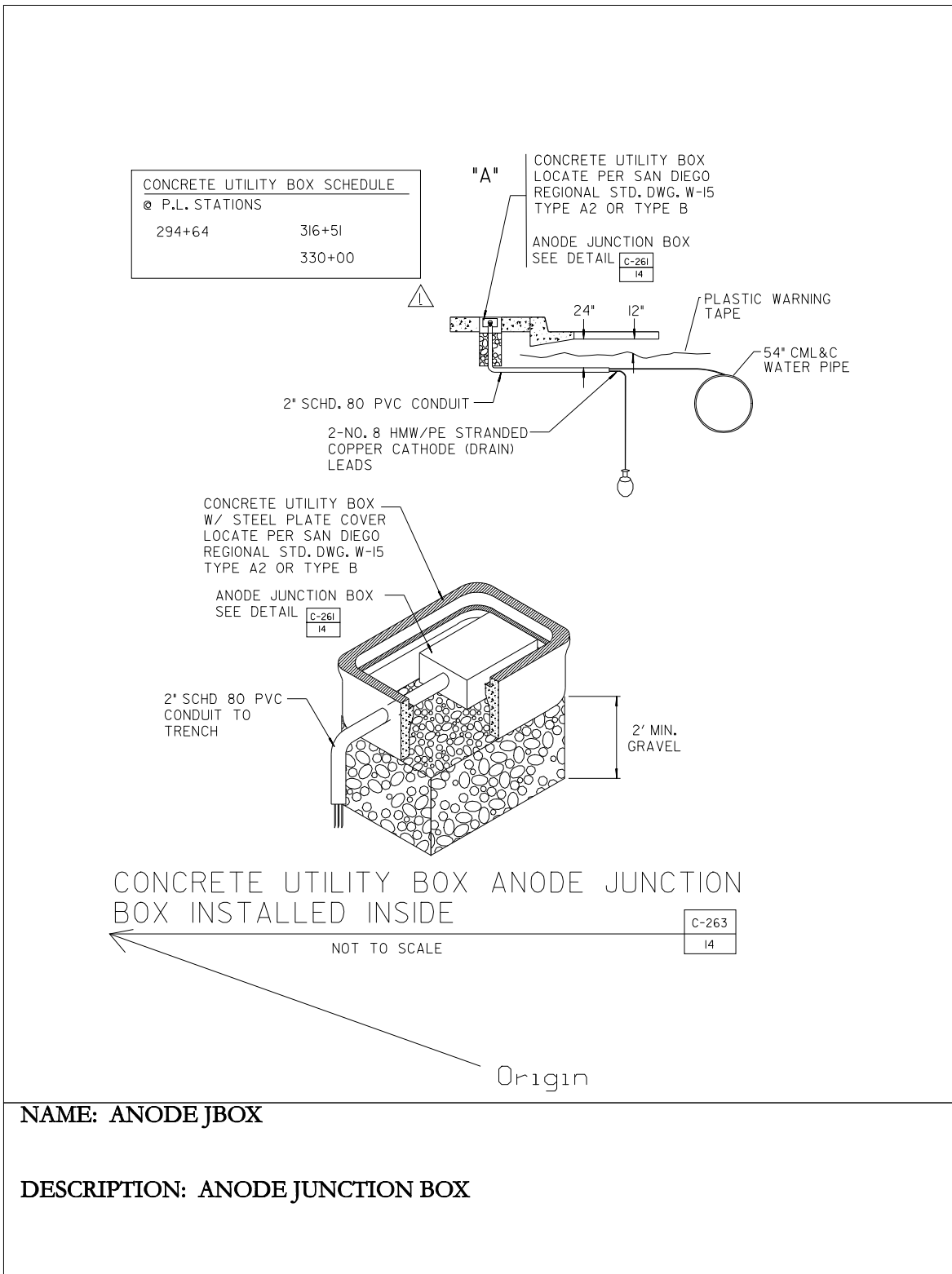


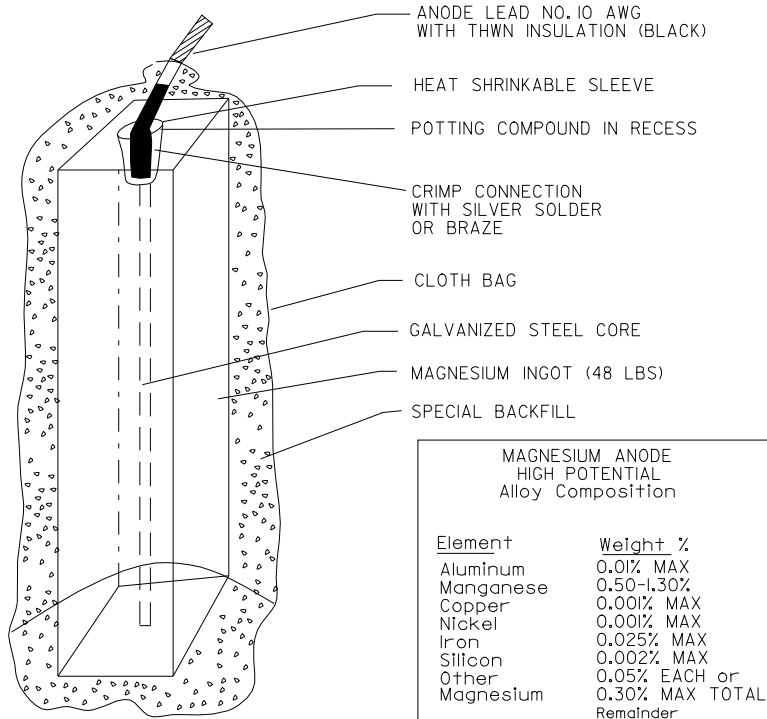
Appendix D

V8 City Details.cel

V8 CITY DETAILS.CEL



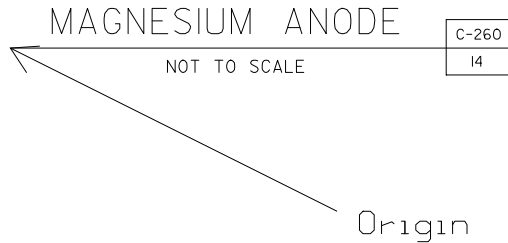
V8 CITY DETAILS.CEL



MAGNESIUM ANODE HIGH POTENTIAL Alloy Composition	
Element	Weight %
Aluminum	0.01% MAX
Manganese	0.50-1.30%
Copper	0.001% MAX
Nickel	0.001% MAX
Iron	0.025% MAX
Silicon	0.002% MAX
Other	0.05% EACH or
Magnesium	0.30% MAX TOTAL Remainder

SPECIAL BACKFILL COMPOSITION	
	75% GYPSUM
	20% BENTONITE
	5% SODIUM SULFATE

- NOTES :
1. SEE TECHNICAL SPECIFICATIONS FOR ANODE INSTALLATION REQUIREMENTS.
 2. DO NOT SUSPEND ANODE WITH LEAD WIRE.
 3. APPROXIMATE MAGNESIUM INGOT SIZE: 6" X 5" X 32" LONG, WT. 48 POUNDS.

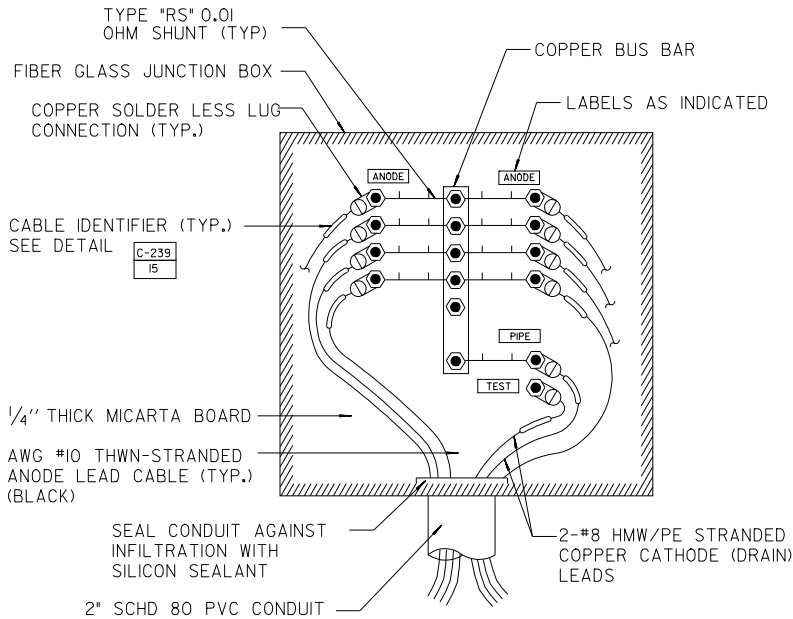


NAME: ANODE MAGNESIUM

DESCRIPTION: ANODE MAGNESIUM

V8 CITY DETAILS.CEL

ANODE JUNCTION BOX SCHEDULE	
@ P.L. STATIONS	
294+64	316+51
	330+00



- NOTE :
1. NUMBER OF ANODES AS REQUIRED SEE ANODE SCHEDULE ON C-259
14
 2. ANODES SHALL NOT BE CONNECTED UNTIL NATIVE POTENTIALS HAVE BEEN MEASURED.

TYPICAL ANODE JUNCTION BOX
MULTIPLE ANODE INSTALLATION C-261
14

NOT TO SCALE

Origin

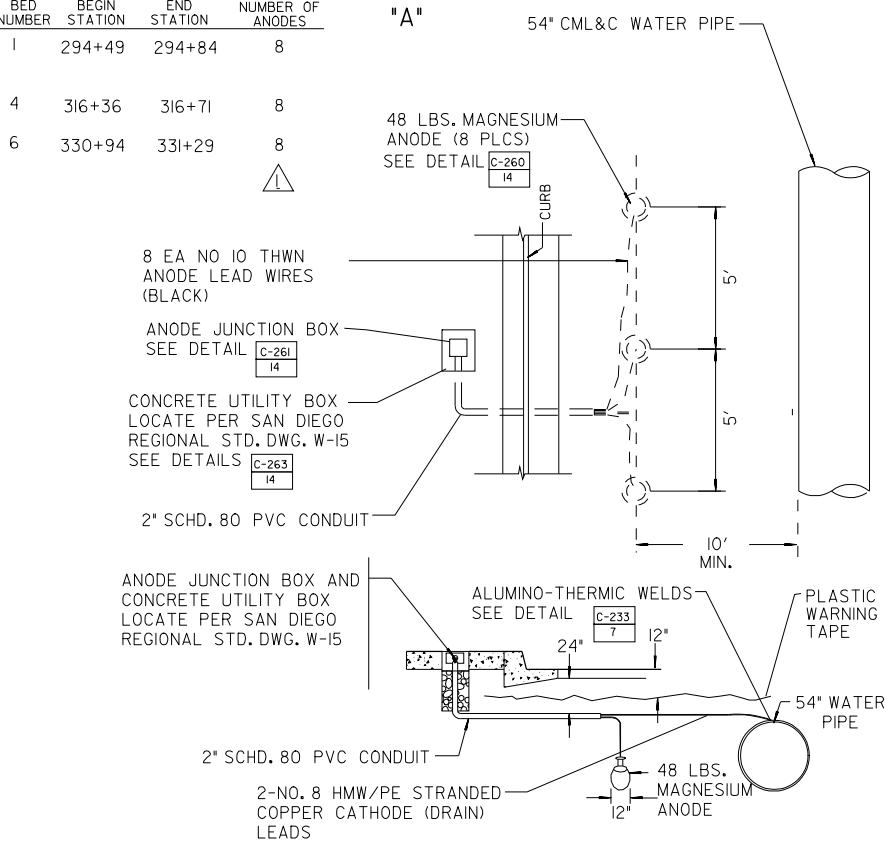
NAME: ANODE MULTI JBOX

DESCRIPTION: ANODE MULTIPLE JUNCTION BOX

V8 CITY DETAILS.CEL

ANODE GROUND BED SCHEDULE @ PIPELINE STATIONS

BED NUMBER	BEGIN STATION	END STATION	NUMBER OF ANODES
1	294+49	294+84	8
4	316+36	316+71	8
6	330+94	331+29	8



TYPICAL ANODE INSTALLATION DETAIL C-259 14

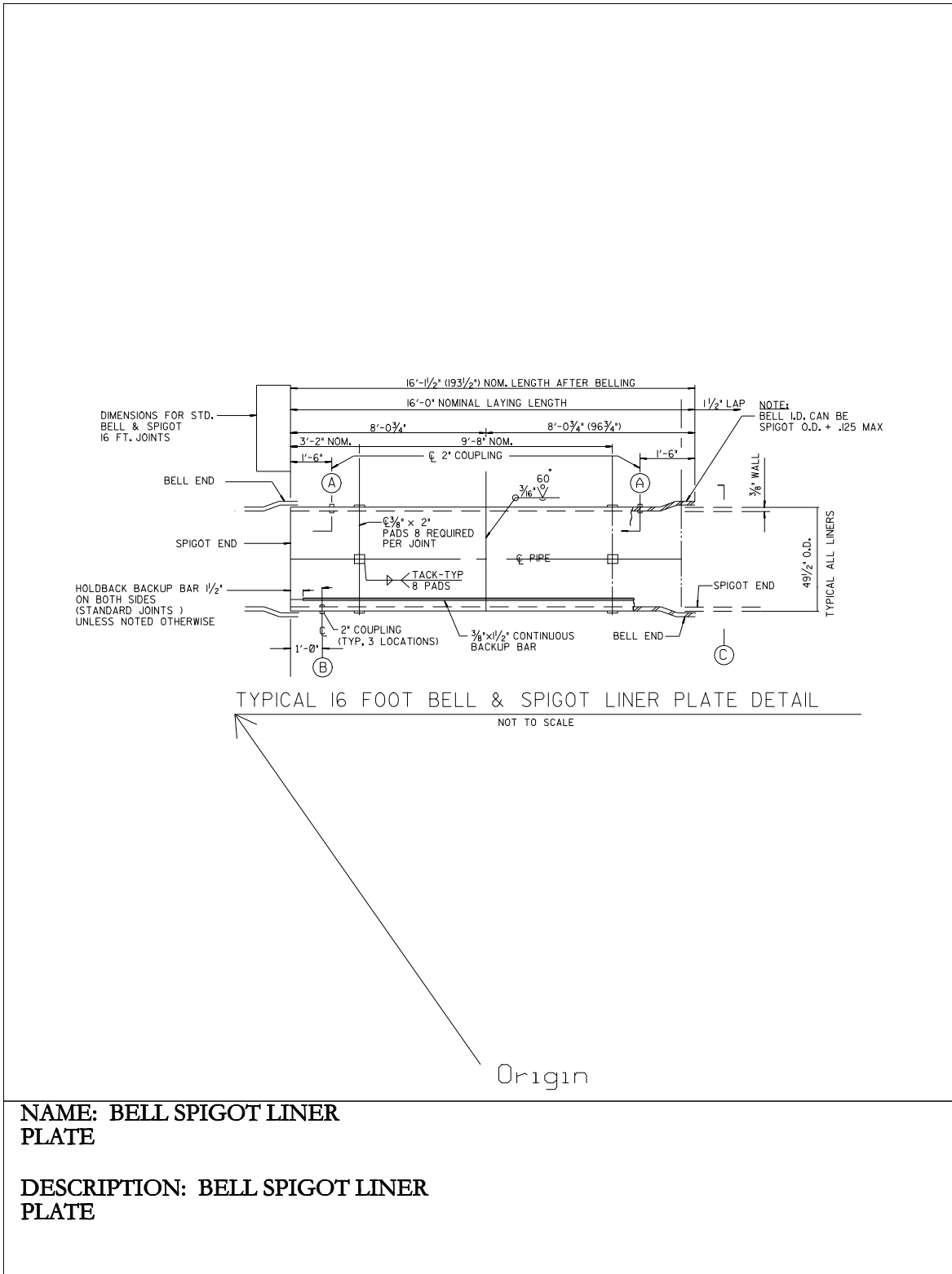
NOT TO SCALE

Origin

NAME: ANODE TYP

DESCRIPTION: ANODE TYPICAL

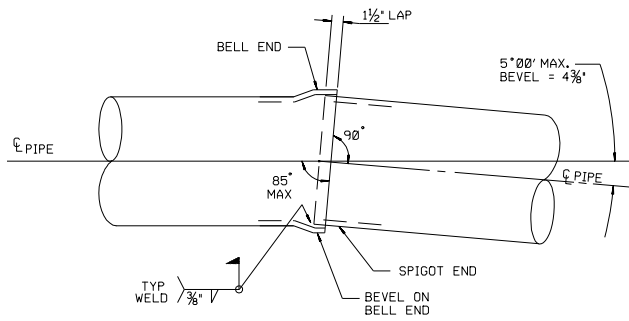
V8 CITY DETAILS.CEL



NAME: BELL SPIGOT LINER PLATE

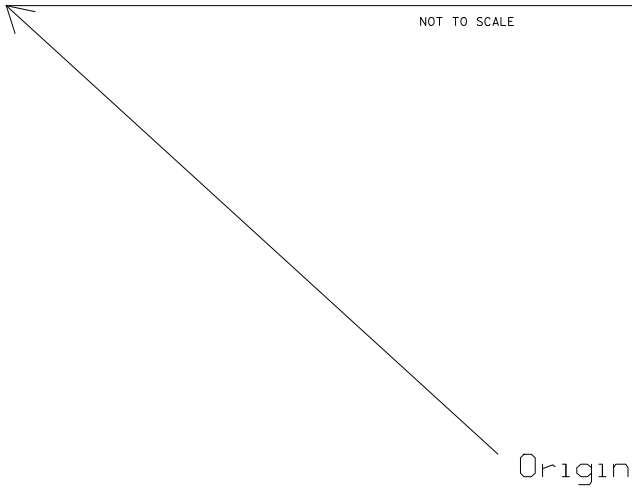
DESCRIPTION: BELL SPIGOT LINER PLATE

V8 CITY DETAILS.CEL



TYPICAL FIELD JOINTS - WELDED BELL & SPIGOT W/BEVELED JOINTS

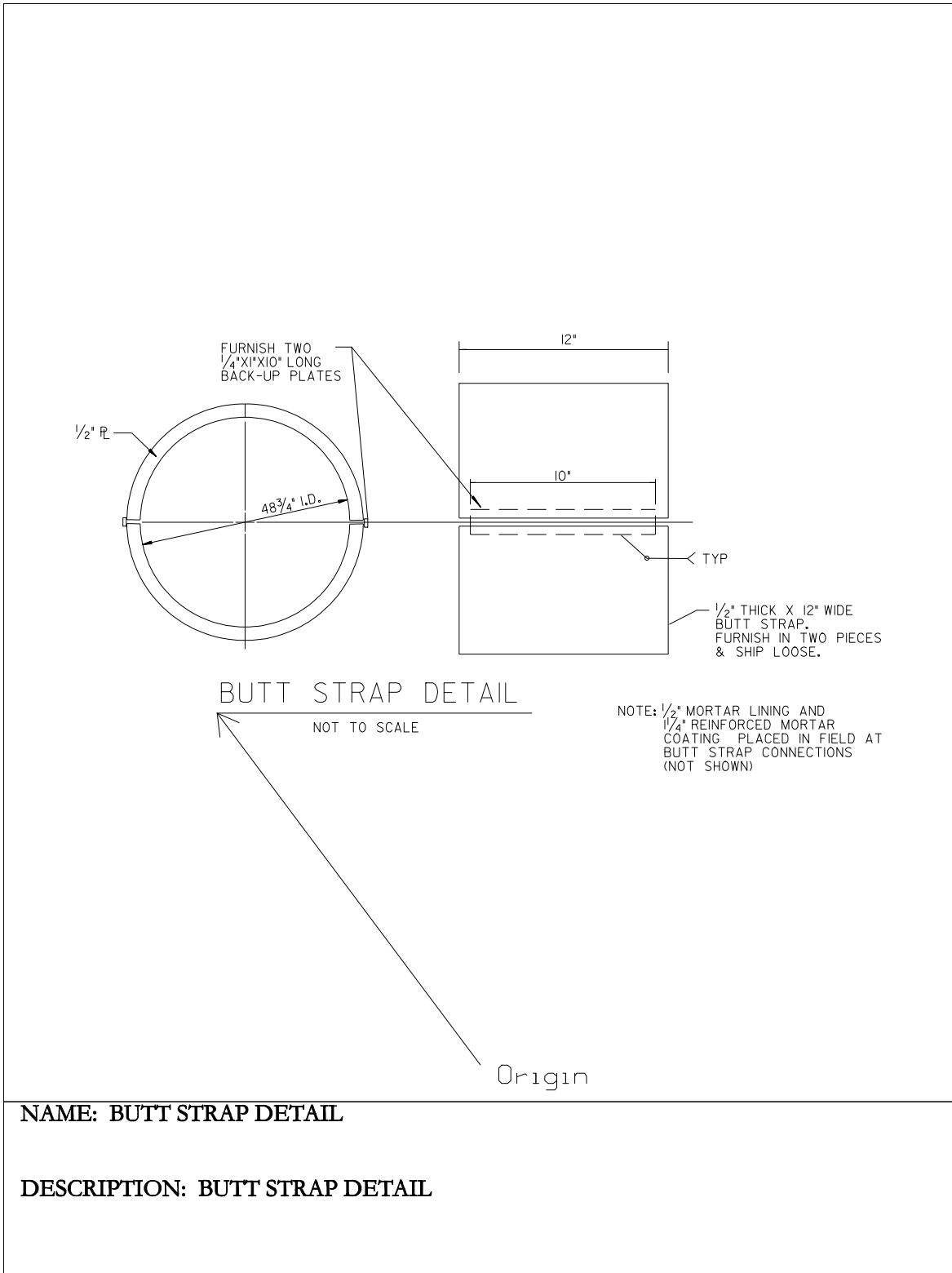
NOT TO SCALE



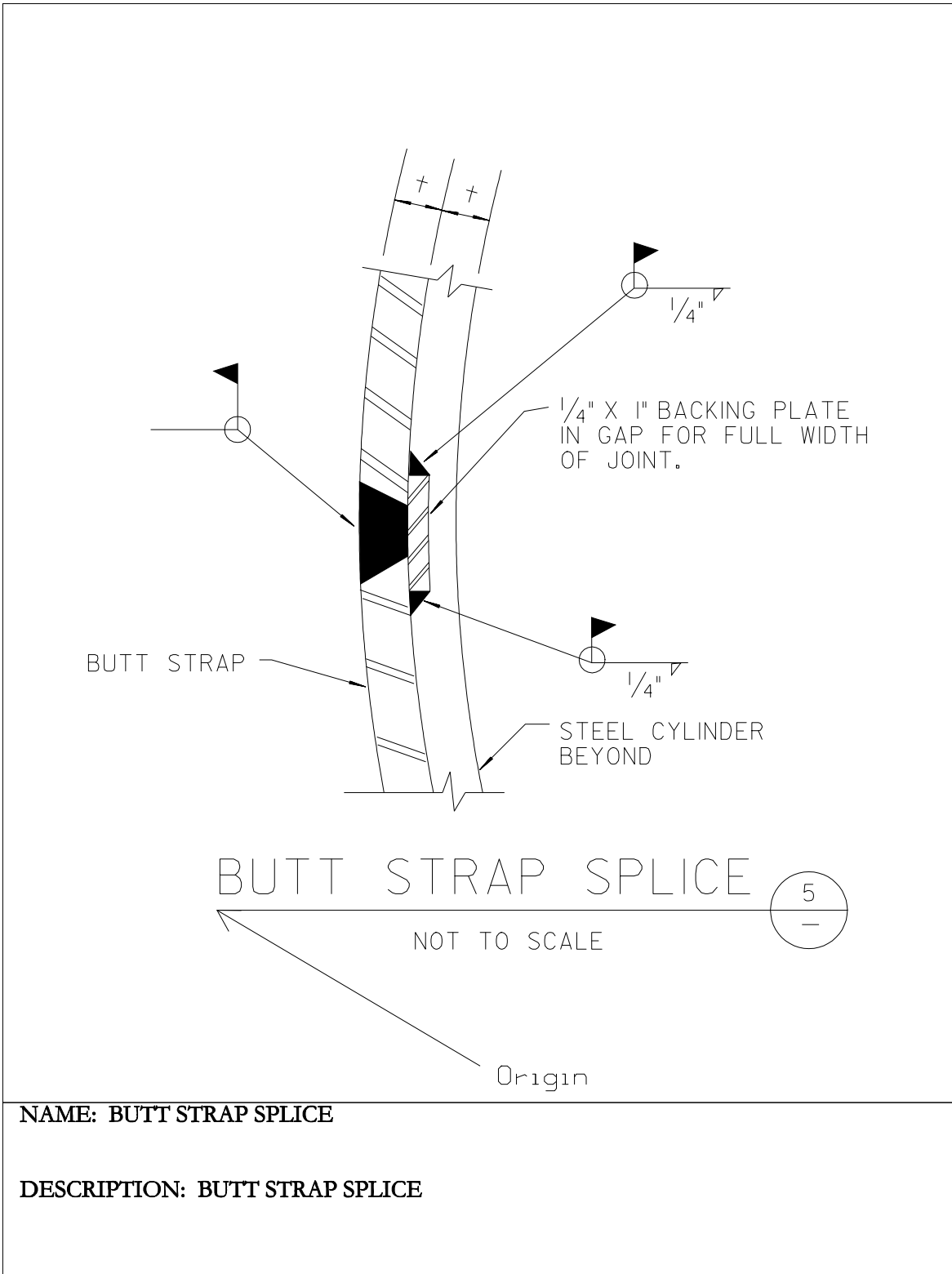
NAME: BELL SPIGOT WELD

DESCRIPTION: BELL SPIGOT WELD

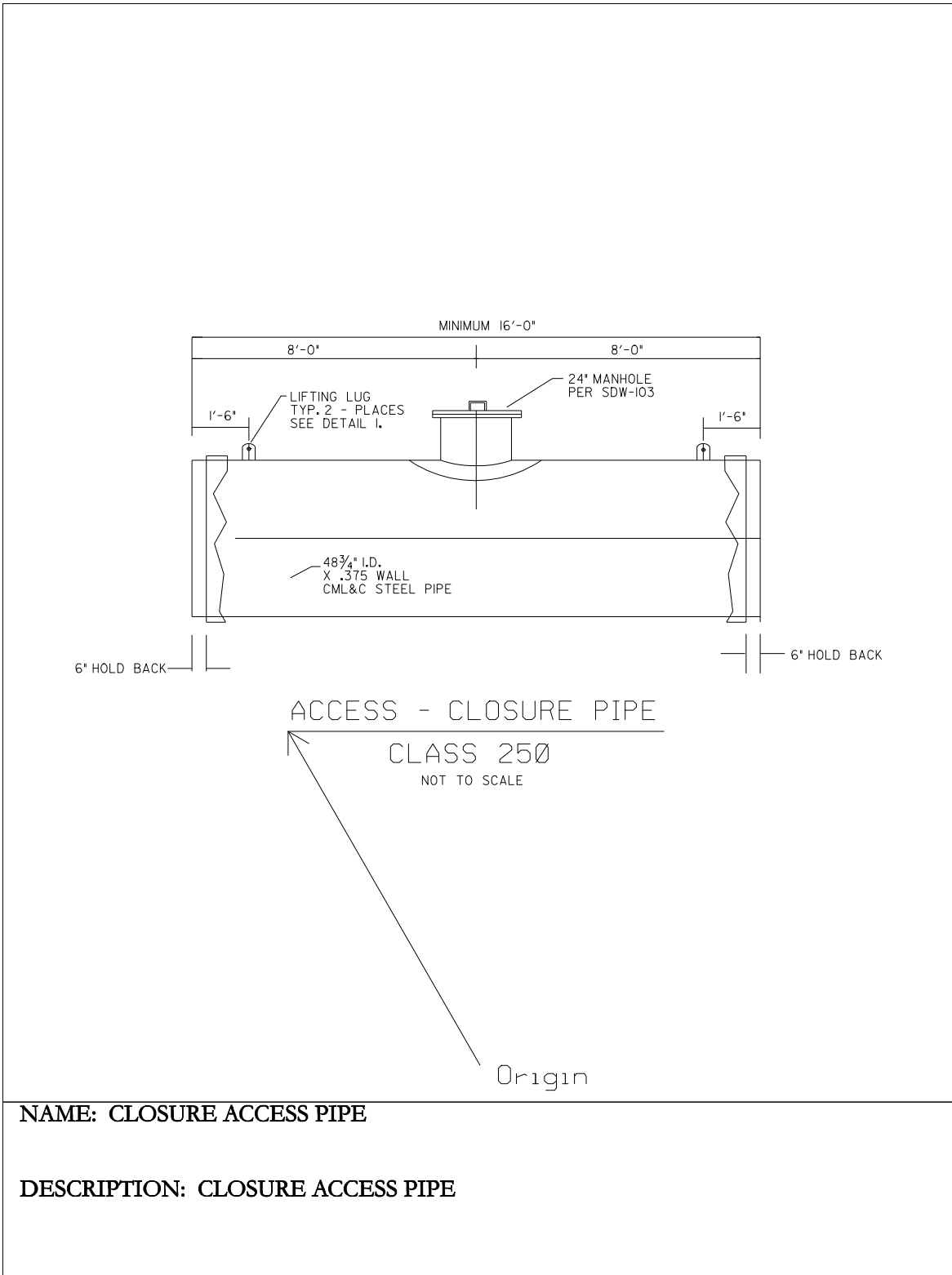
V8 CITY DETAILS.CEL



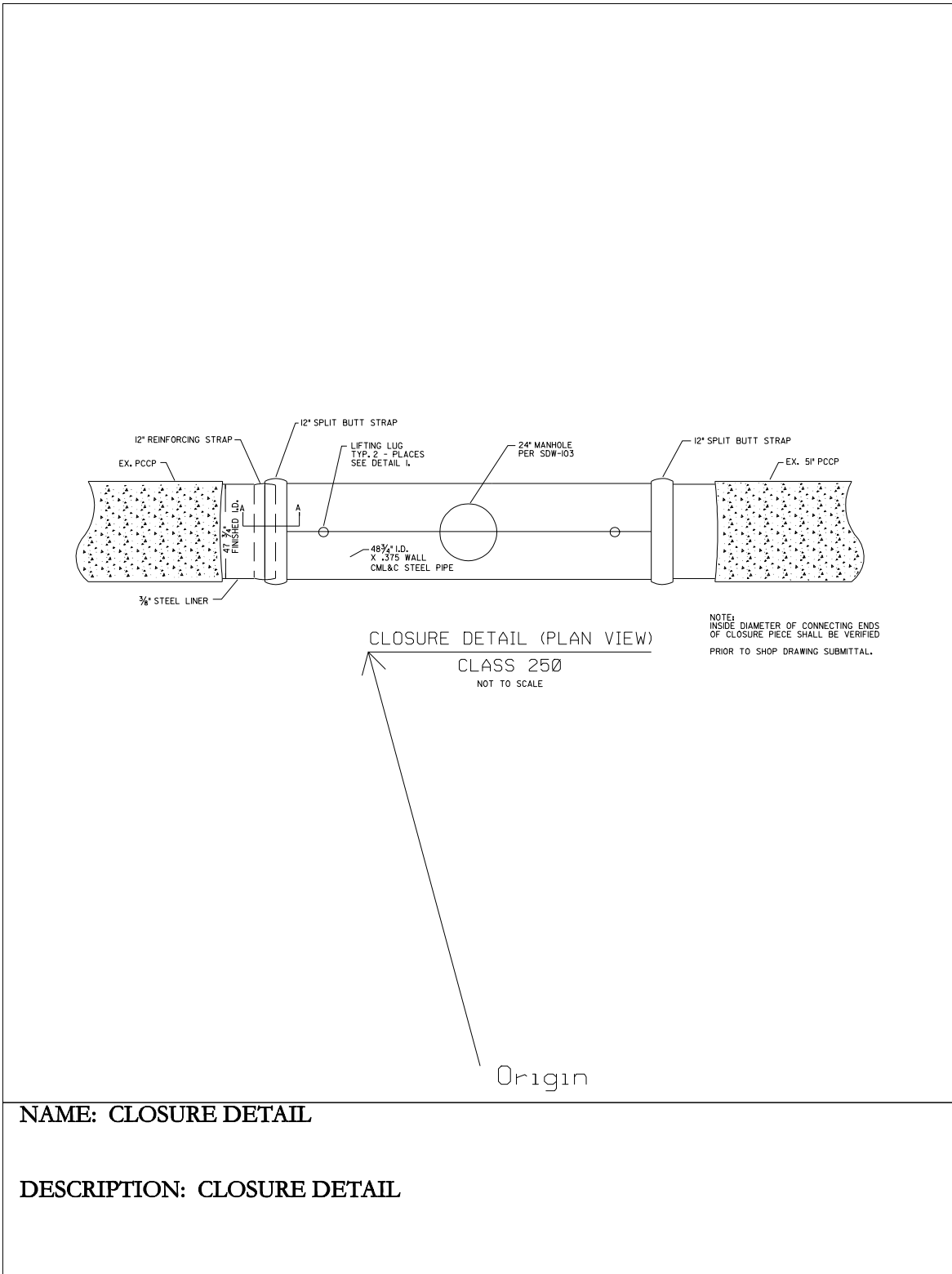
V8 CITY DETAILS.CEL



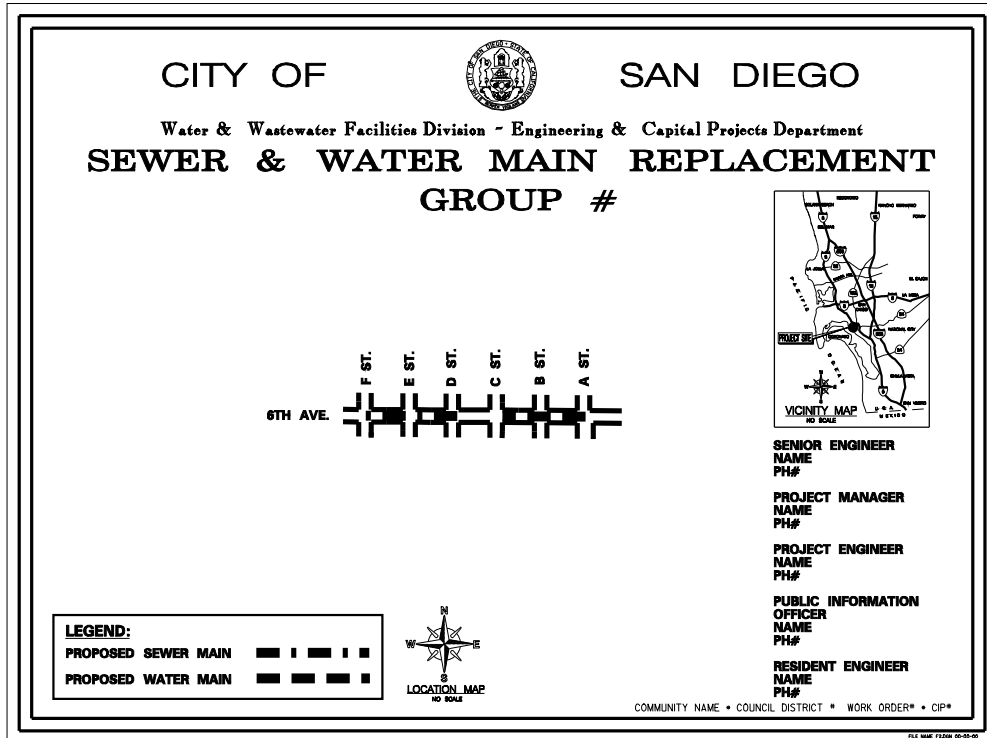
V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL

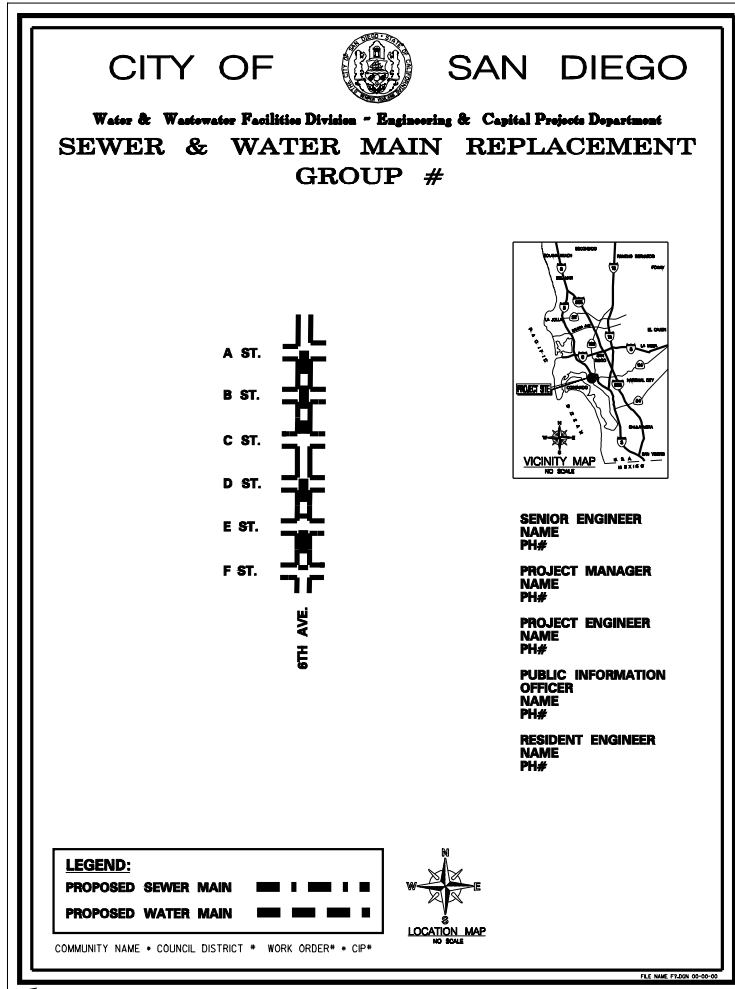


Origin

NAME: COMM DISPLAY HORIZ

DESCRIPTION: COMMUNITY DISPLAY HORIZ

V8 CITY DETAILS.CEL

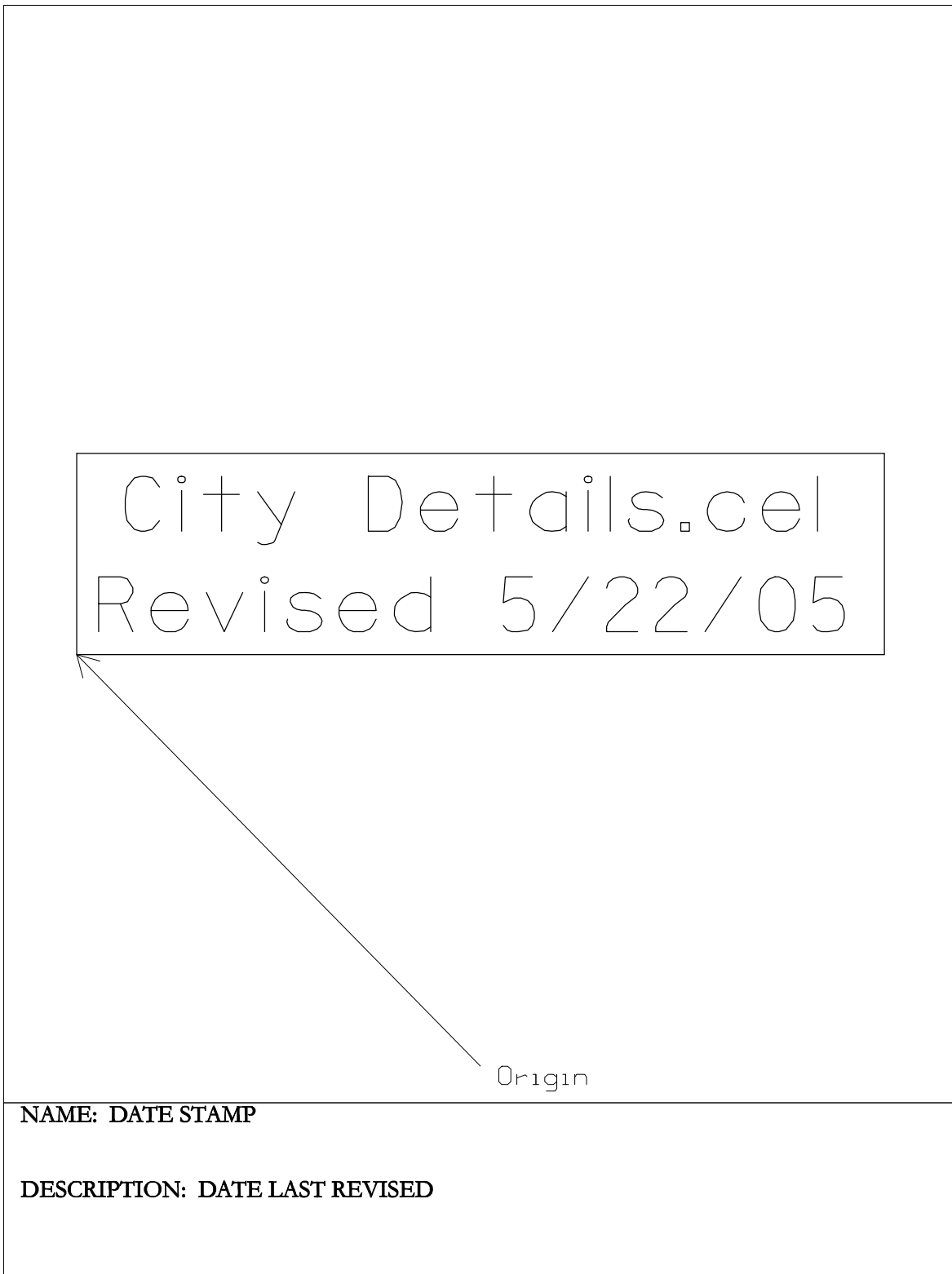


Origin

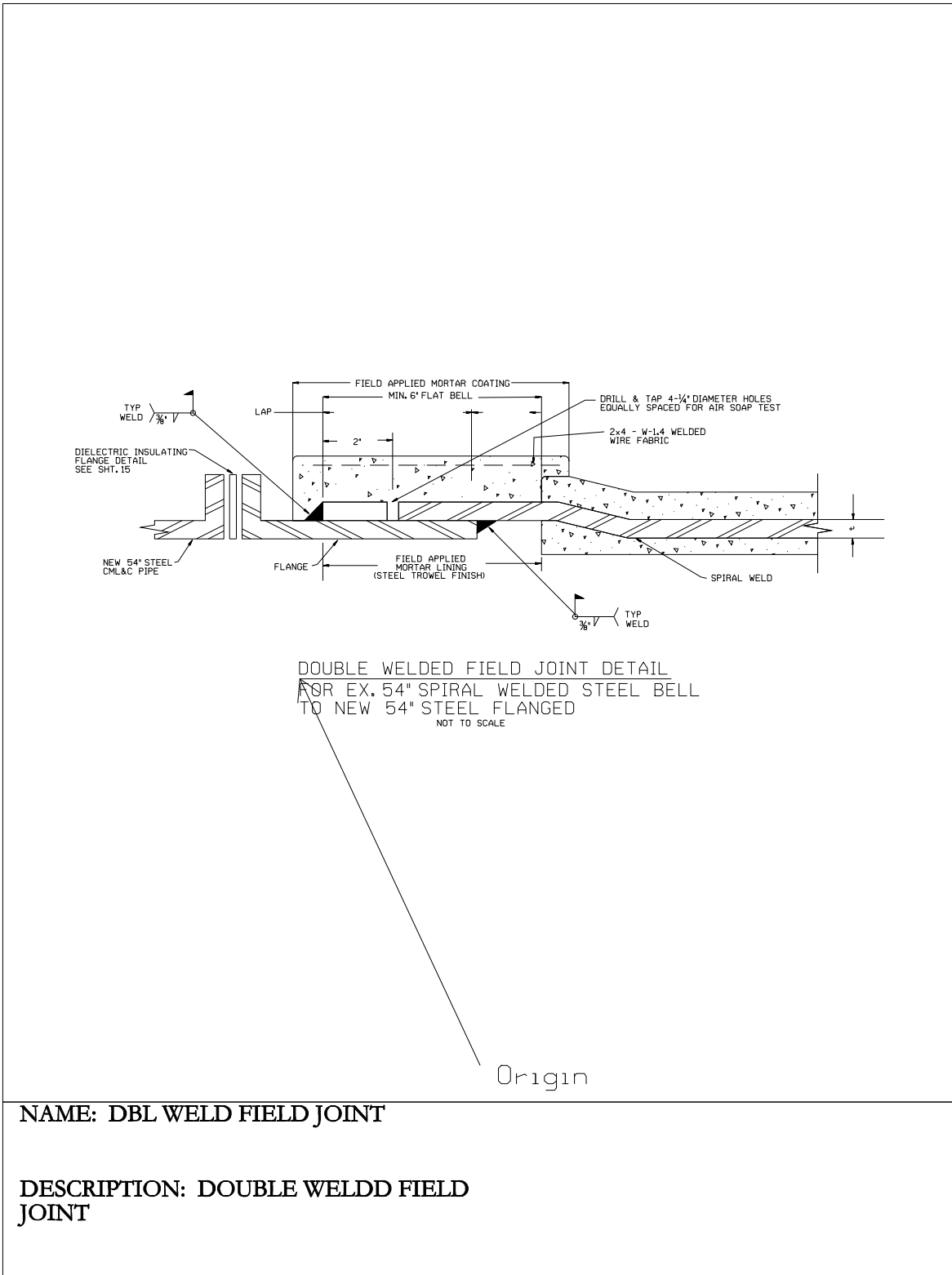
NAME: COMM DISPLAY VERT

DESCRIPTION: COMMUNITY DISPLAY VERT

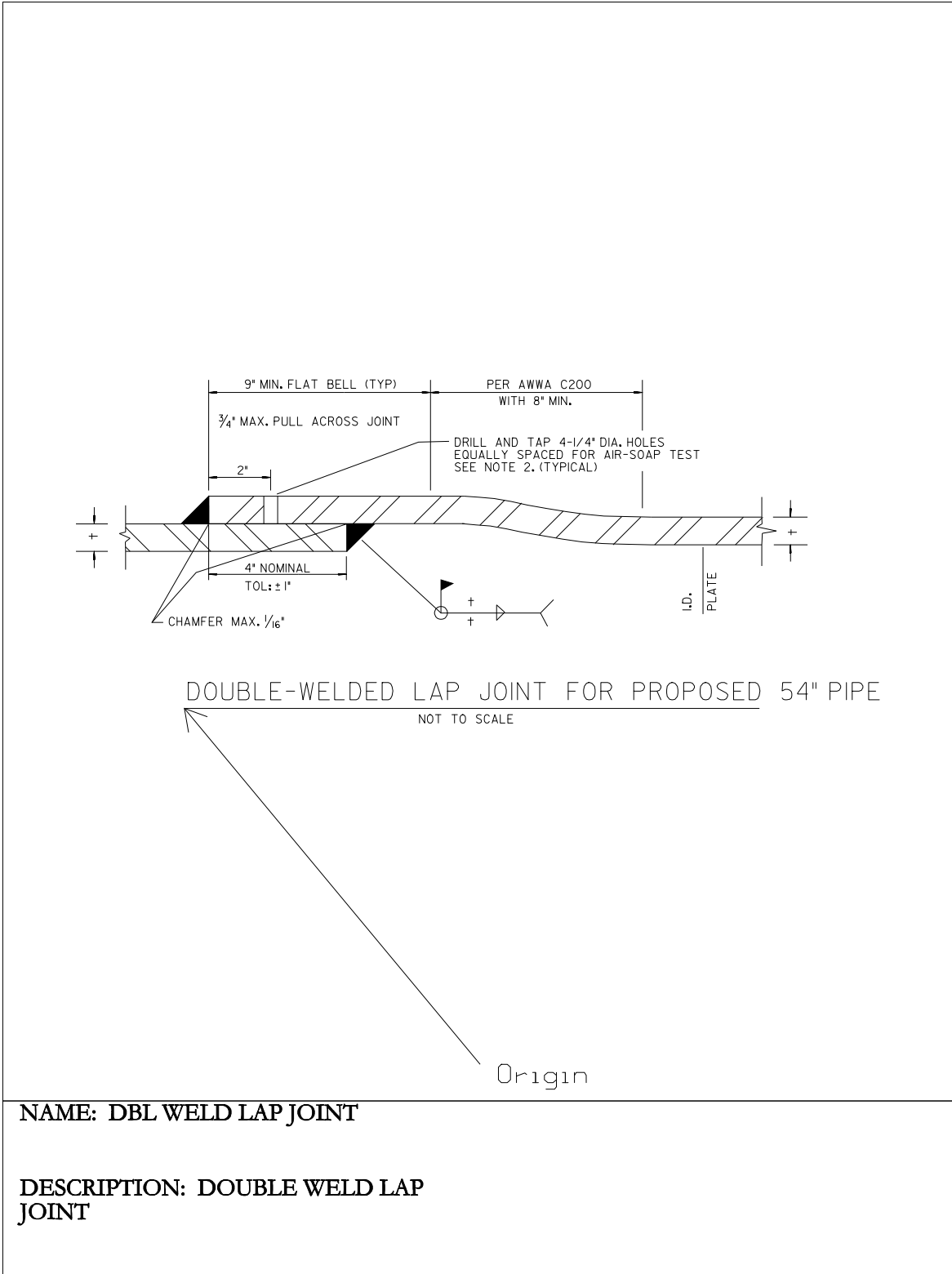
V8 CITY DETAILS.CEL



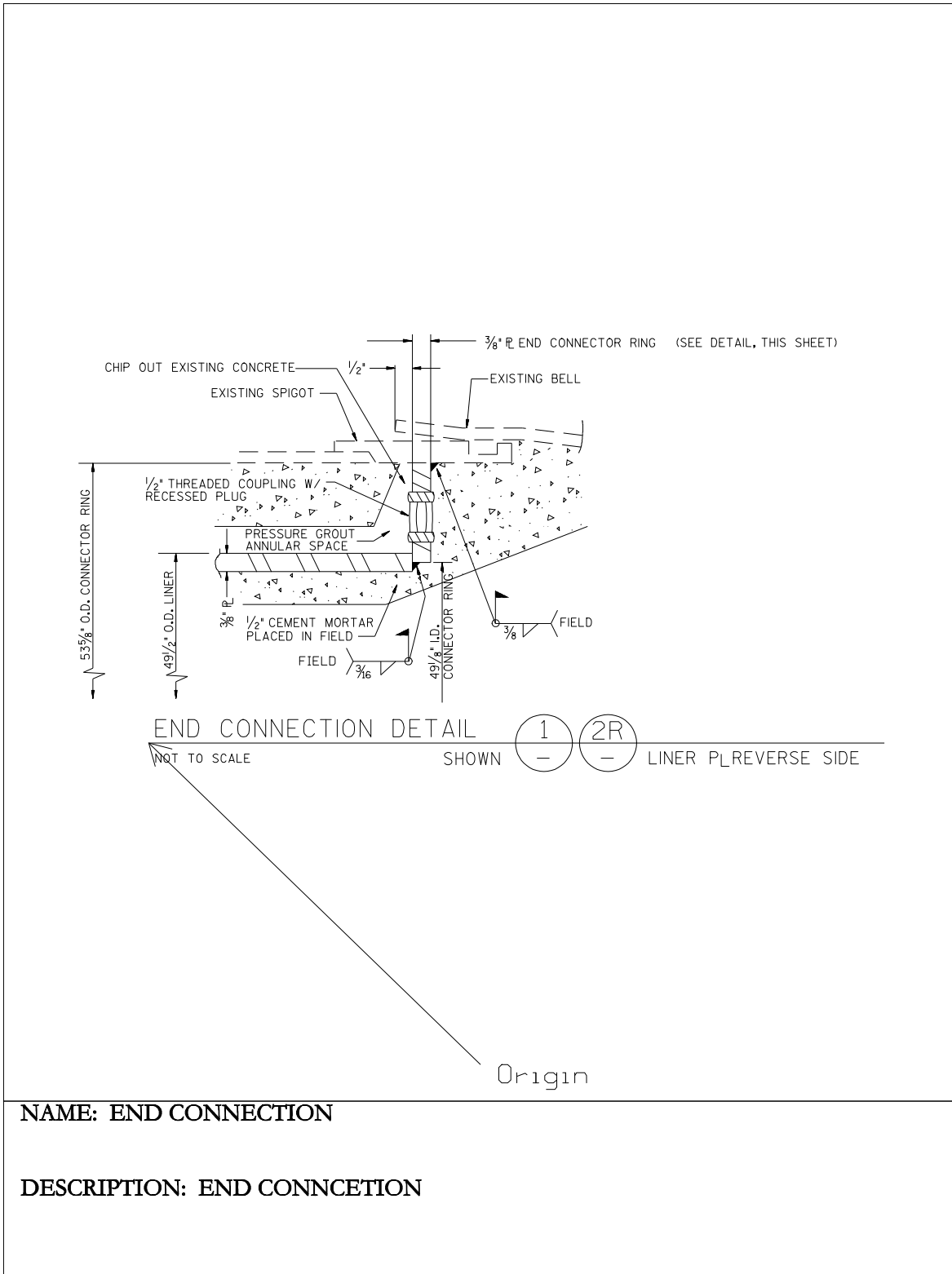
V8 CITY DETAILS.CEL



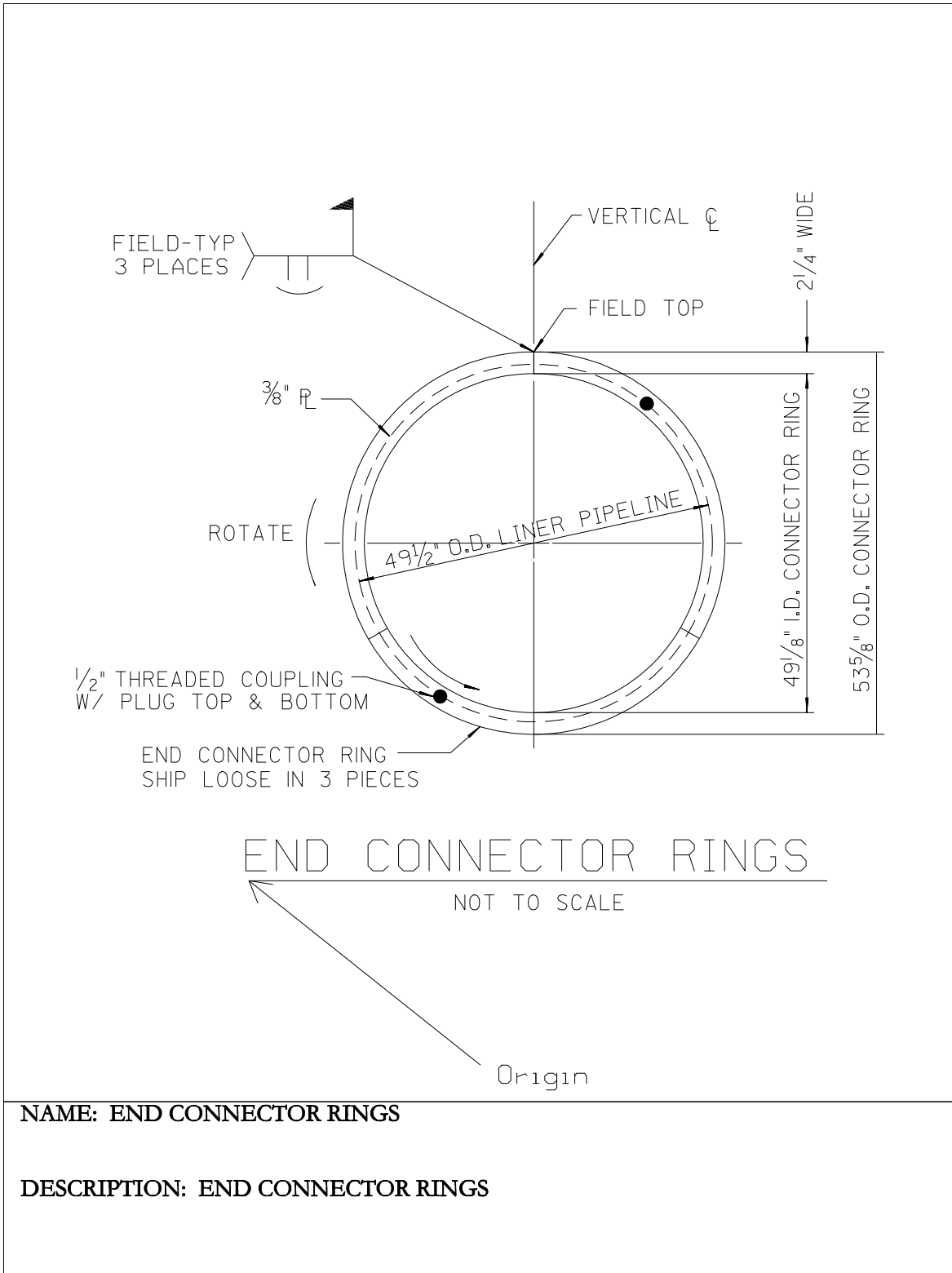
V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL

REV. I-94

NOTES

1. CLEAN AREA OF STEEL SURFACE APPROXIMATELY 2'X2' FOR EACH CADWELD CONNECTION. WIRE BRUSH AND SCRAPE TO OBTAIN SPCC-SP-5 WHITE METAL SURFACE FINISH
2. STRIP CABLE END AND TWIST TO FIT CADWELD MOLD. MINIMUM SPACING BETWEEN WELDS WILL BE DETERMINED BY MOLD GEOMETRY, NOMINALLY 6'.
3. HOLD MOLD FIRMLY AGAINST PIPE WITH OPENING AWAY FROM OPERATOR. IGNITE EITH FLINT GUN.
4. REMOVE ALL WELD SLAG AND SPATTER, SHARP EDGES AND BURRS WITH METAL FILE.
5. WIPE PIPE SURFACE WITH CLEAN, OIL FREE RAGS TO REMOVE ANY LOOSE DUST.
6. COAT CADWELD AND 6" OF CABLE TAIL WITH COMPATIBLE COATING, SUCH THAT ALL CORNERS ARE FILLED. THE COATING SHALL EXTEND FOR AT LEAST 2' AROUND THE CADWELD.
7. CADWELD CARTRIDGE SHALL BE COMPATIBLE TO STEEL MATERIALS. MULTIPLE CARTRIDGE CHARGES SHALL NOT BE USED. IF A EXOTHERMIC WELD MUST BE REPEATED, A NEW PIPE SURFACE MUST BE PREPARED AT LEAST 6' FROM THE ORIGINAL WELD ATTEMPT. MORE THAN ONE WELD ATTEMPT ON THE SAME SPOT SHALL NOT BE PERMITTED.
8. TEST STRENGTH OF CONNECTION BY TAPPING WITHA 22-OUNCE HAMMER.

EXOTHERMIC WELD

NOT TO SCALE

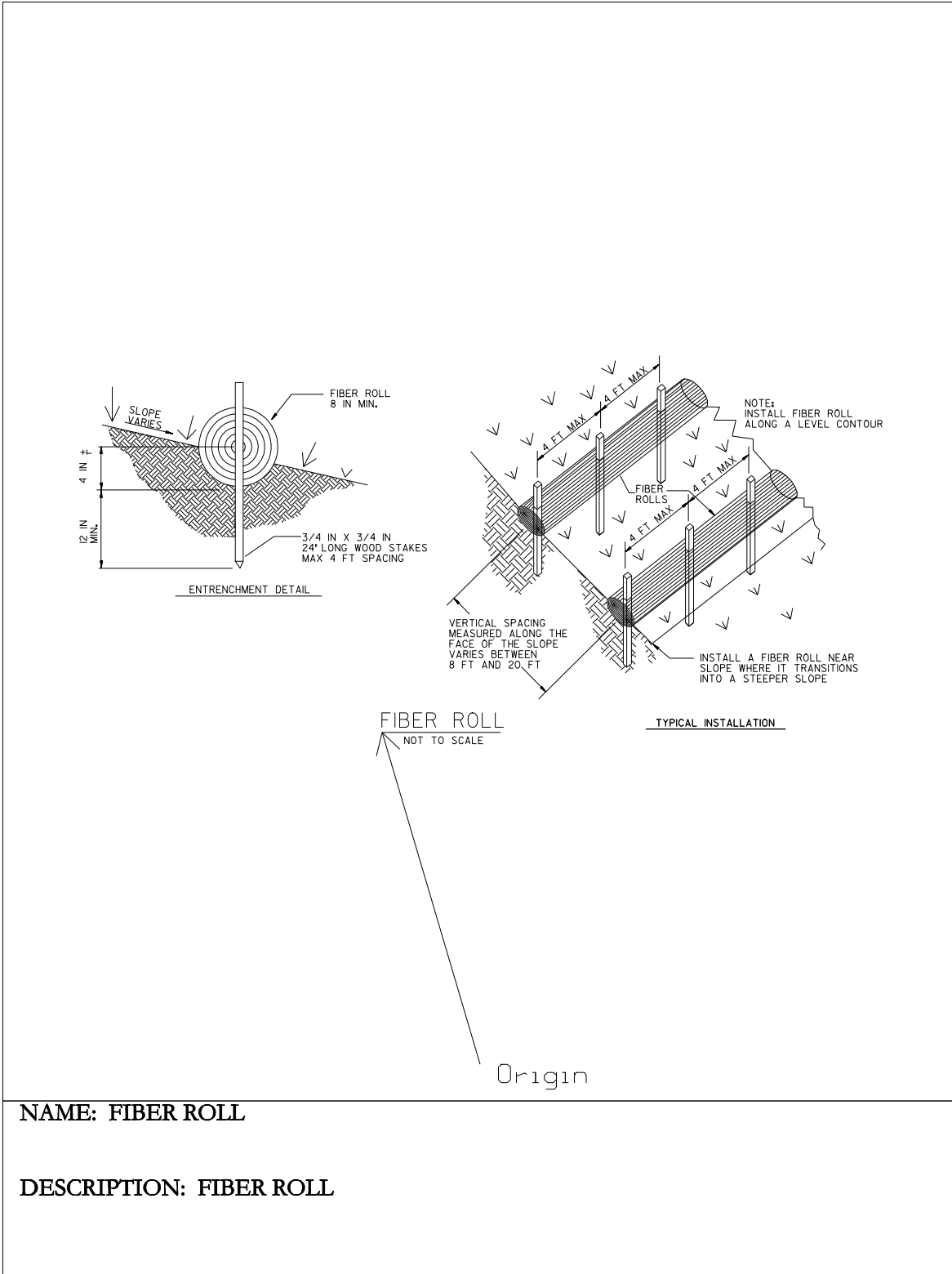
C-233
15

Origin

NAME: EXOTHERMIC WELD

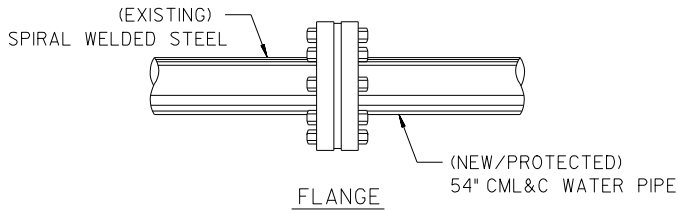
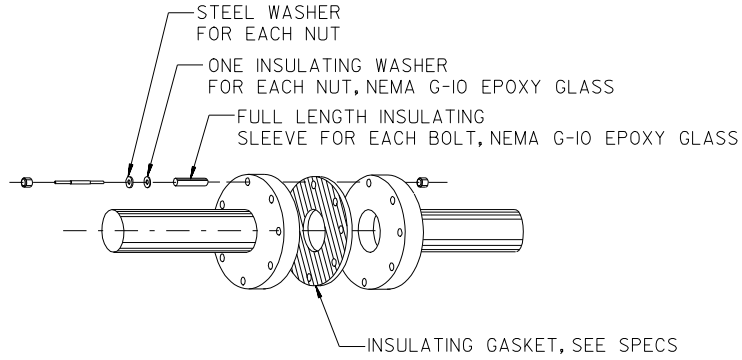
DESCRIPTION: EXOTHERMIC WELD

V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL

INSULATED FLANGE SCHEDULE	
@ P.L. STATIONS	
29I+00	7+47.13



NOTE: FOR BOND REQUIREMENTS SEE DETAIL

C253
15

DIELECTRIC INSULATING FLANGE

C-255
15

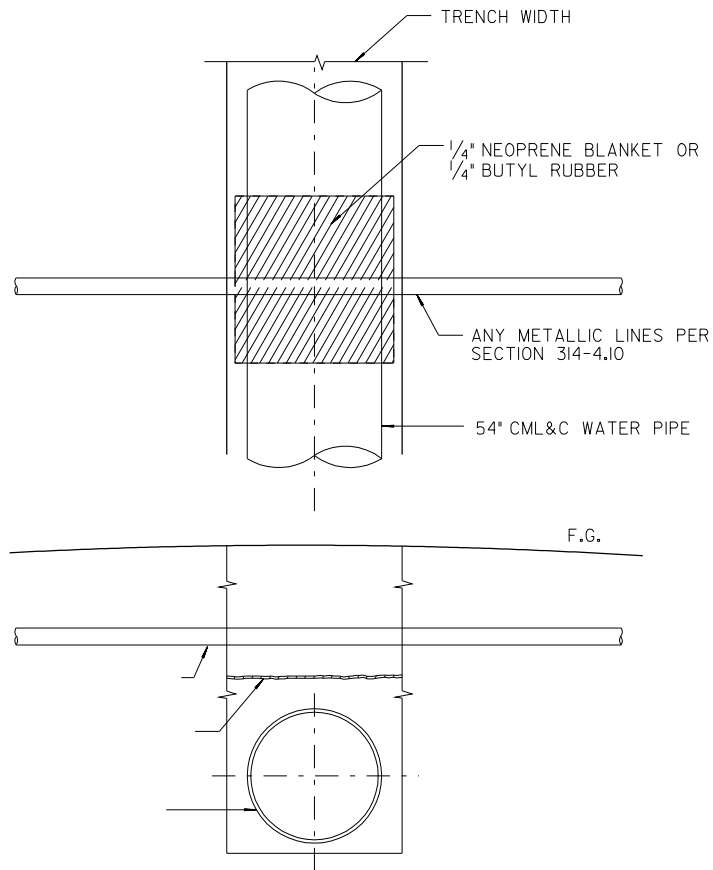
NOT TO SCALE

Origin

**NAME: INSUL FLANGE
DIELECTRIC**

**DESCRIPTION: INSULATION FLANGE
FIELECTRIC**

V8 CITY DETAILS.CEL



INSULATING SHEET DETAIL

C-257
14

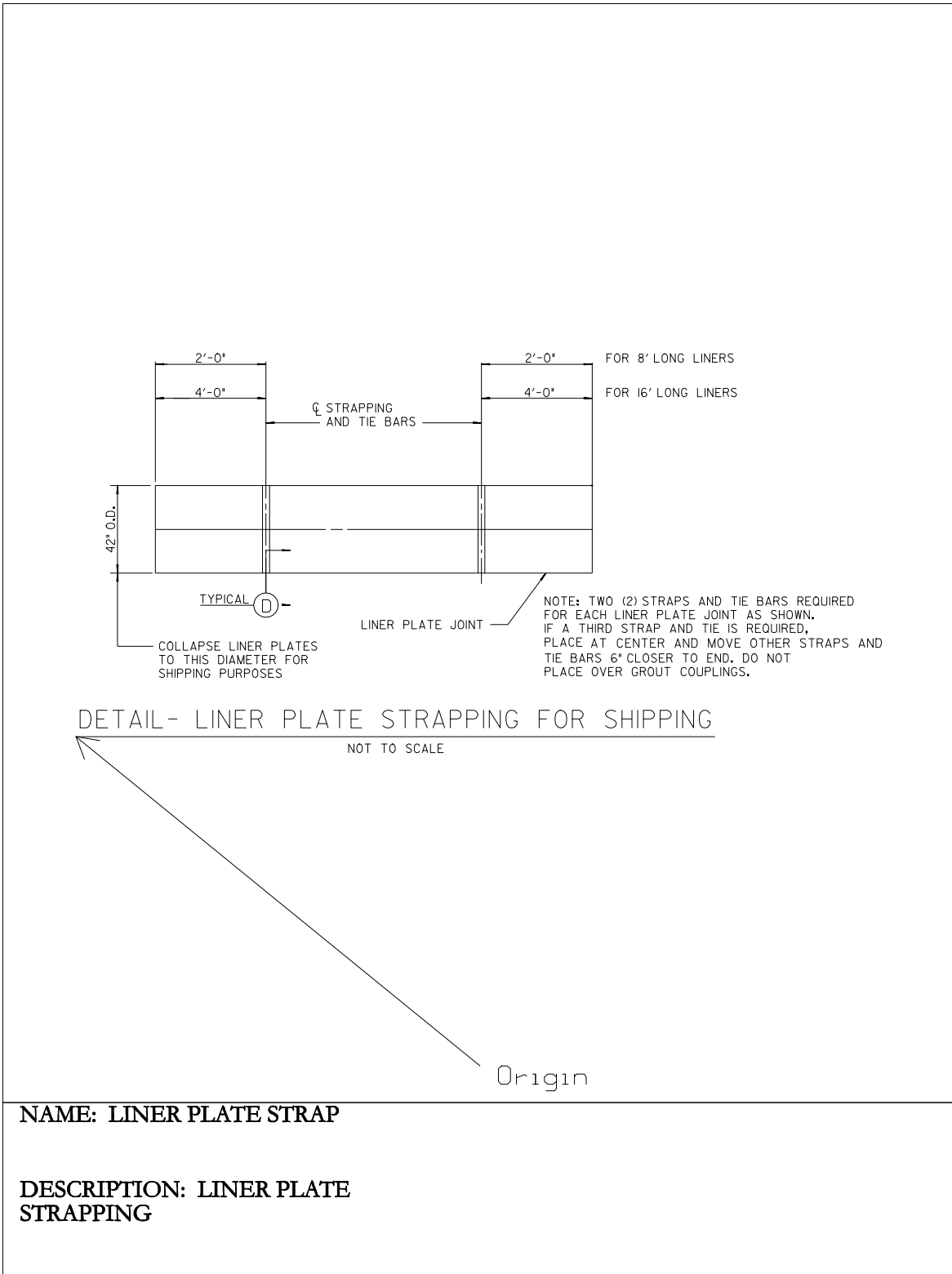
NOT TO SCALE

Origin

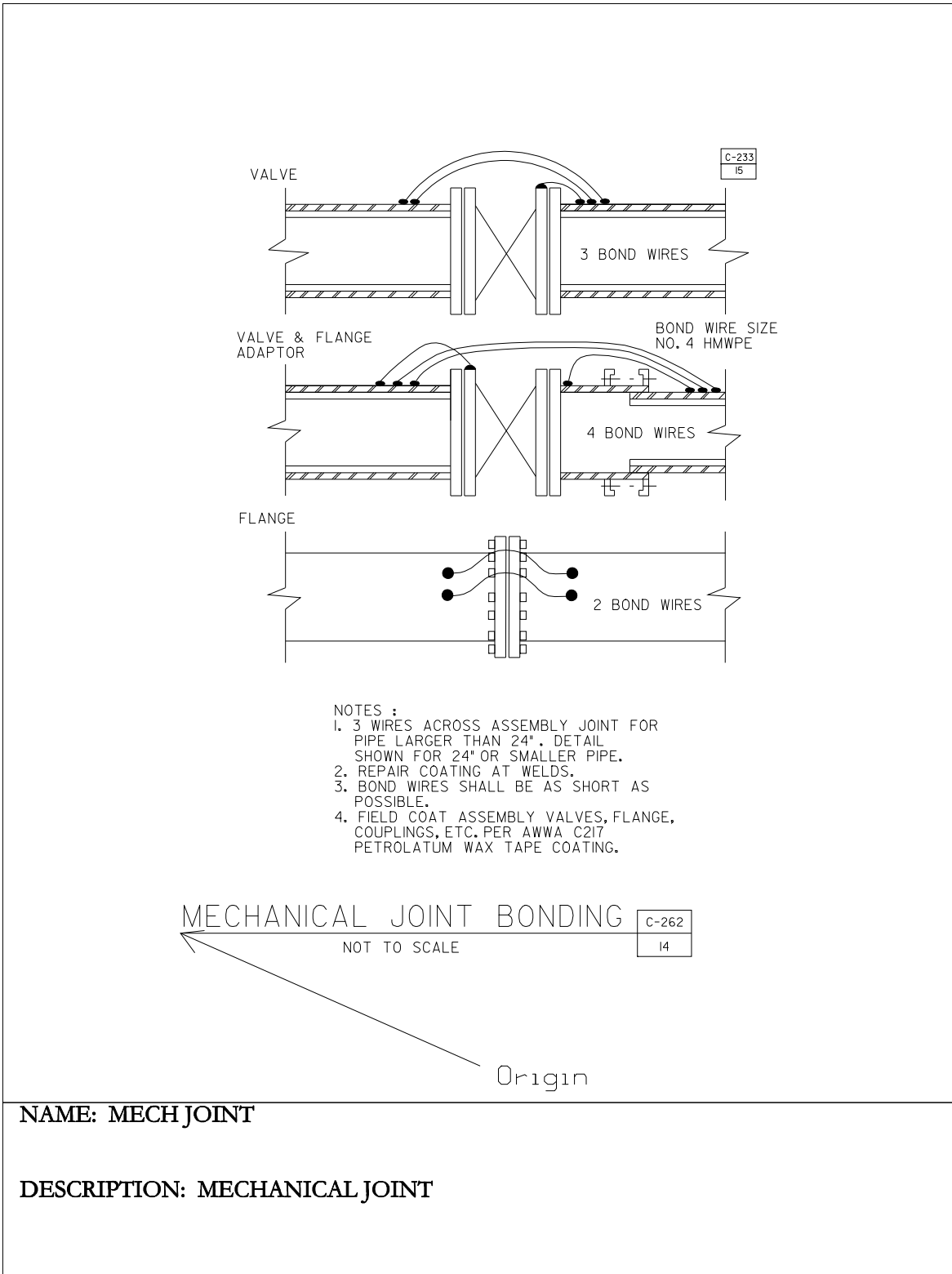
NAME: INSUL SHEET

DESCRIPTION: INSULATION SHEET

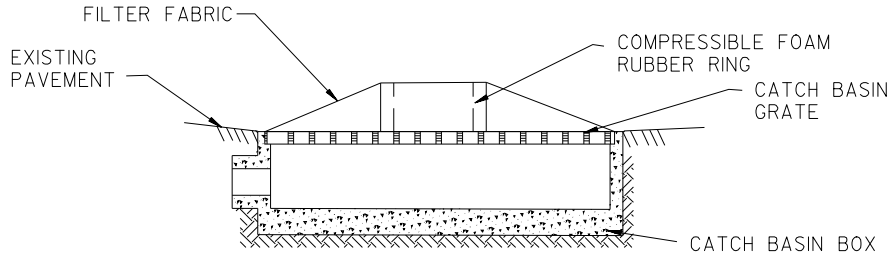
V8 CITY DETAILS.CEL



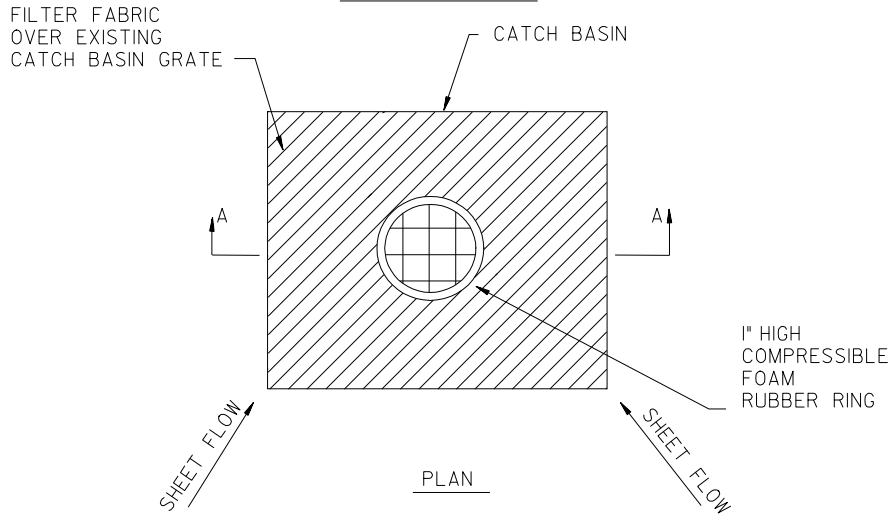
V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



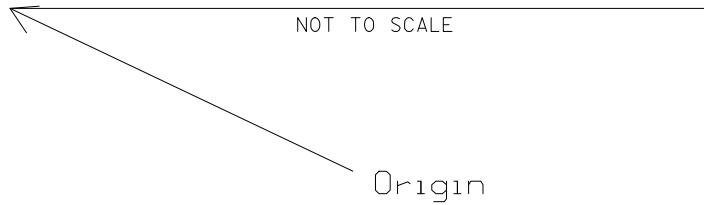
SECTION A - A



PLAN

CATCH BASIN INLET PROTECTION IN PAVED AREAS

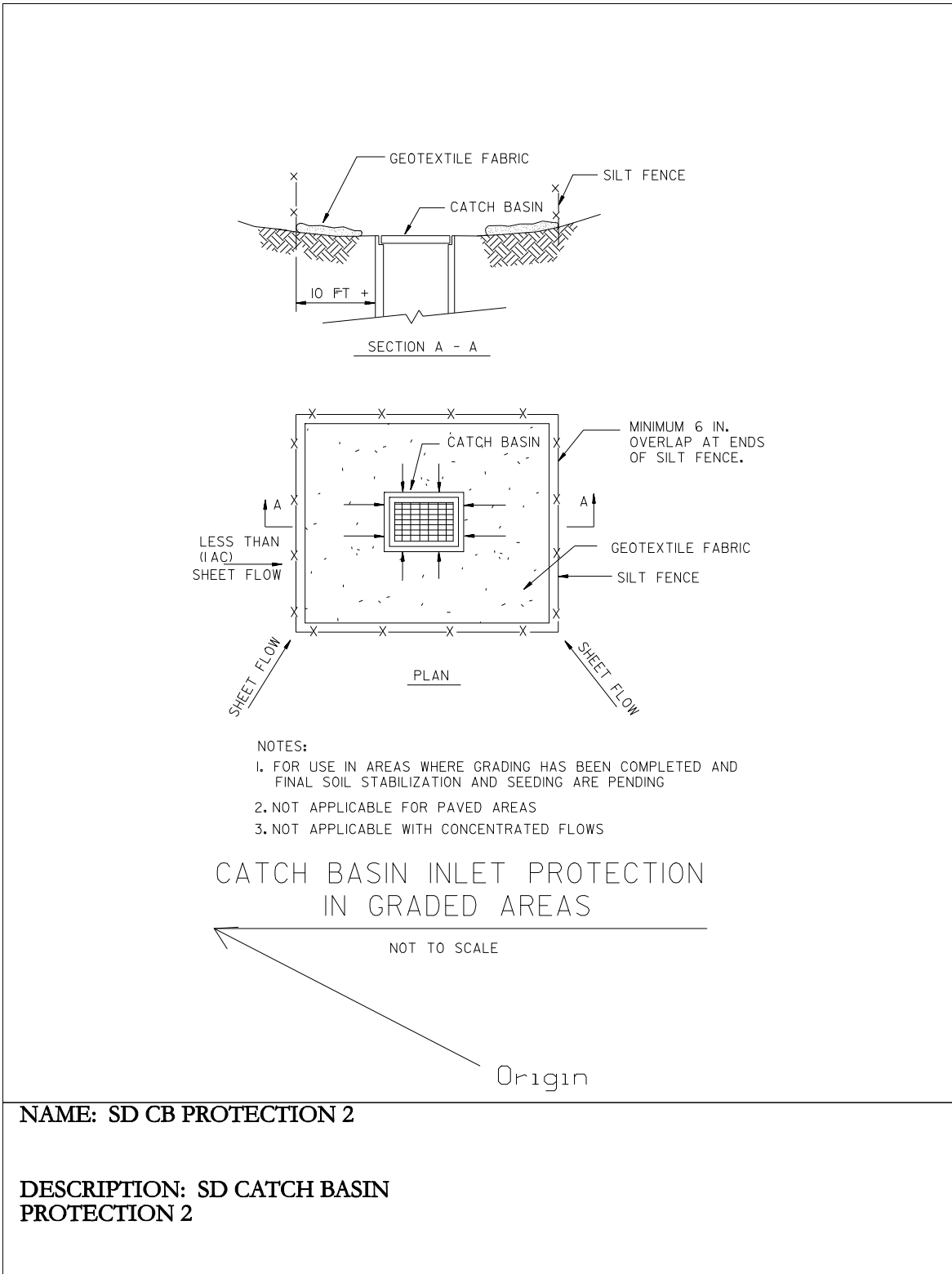
NOT TO SCALE



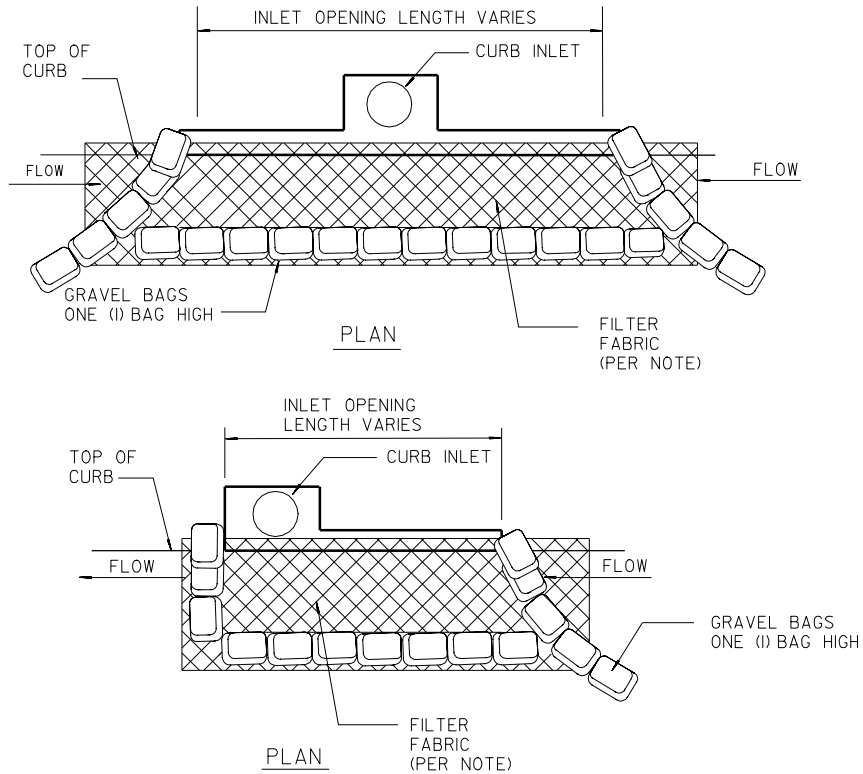
NAME: SD CB PROTECTION 1

DESCRIPTION: SD CATCH BASIN
PROTECTION 1

V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



NOTE: FILTER FABRIC
 MATERIAL: POLYETHYLENE OR POLYPROPYLENE FABRIC
 FABRIC WEIGHT: MINIMUM 4 OZ./ SQUARE YARD
 MINIMUM WATER FLOW RATE: 125 GPM/SF (PER ASTM D4491)
 MINIMUM TENSILE STRENGTH: 120 LBS. (PER ASTM D4632)

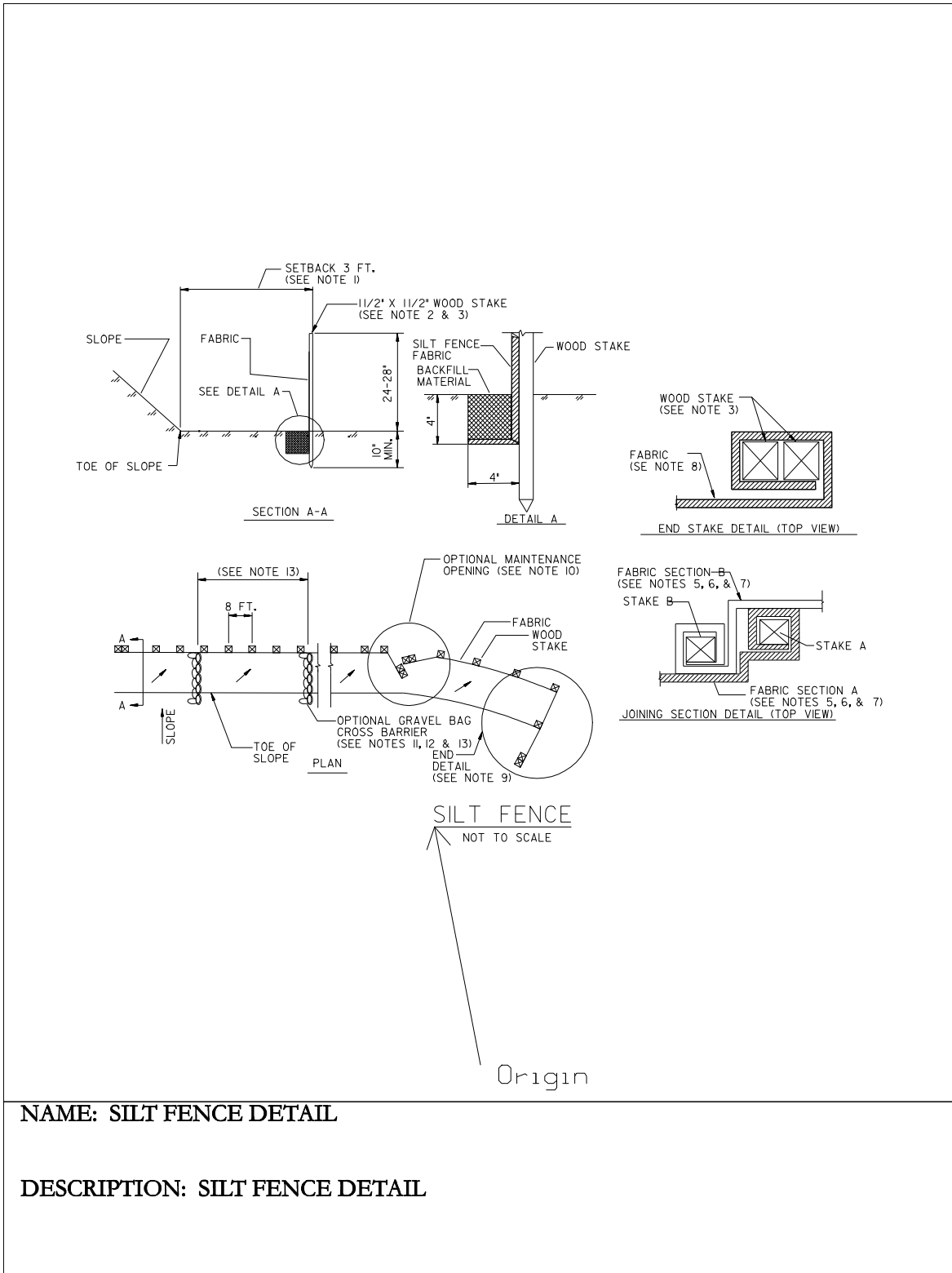
STORM DRAIN INLET PROTECTION
 NOT TO SCALE

Origin

NAME: SD INLET PROTECTION

DESCRIPTION: SD INLET PROTECTION

V8 CITY DETAILS.CEL



NAME: SILT FENCE DETAIL

DESCRIPTION: SILT FENCE DETAIL

V8 CITY DETAILS.CEL

Origin

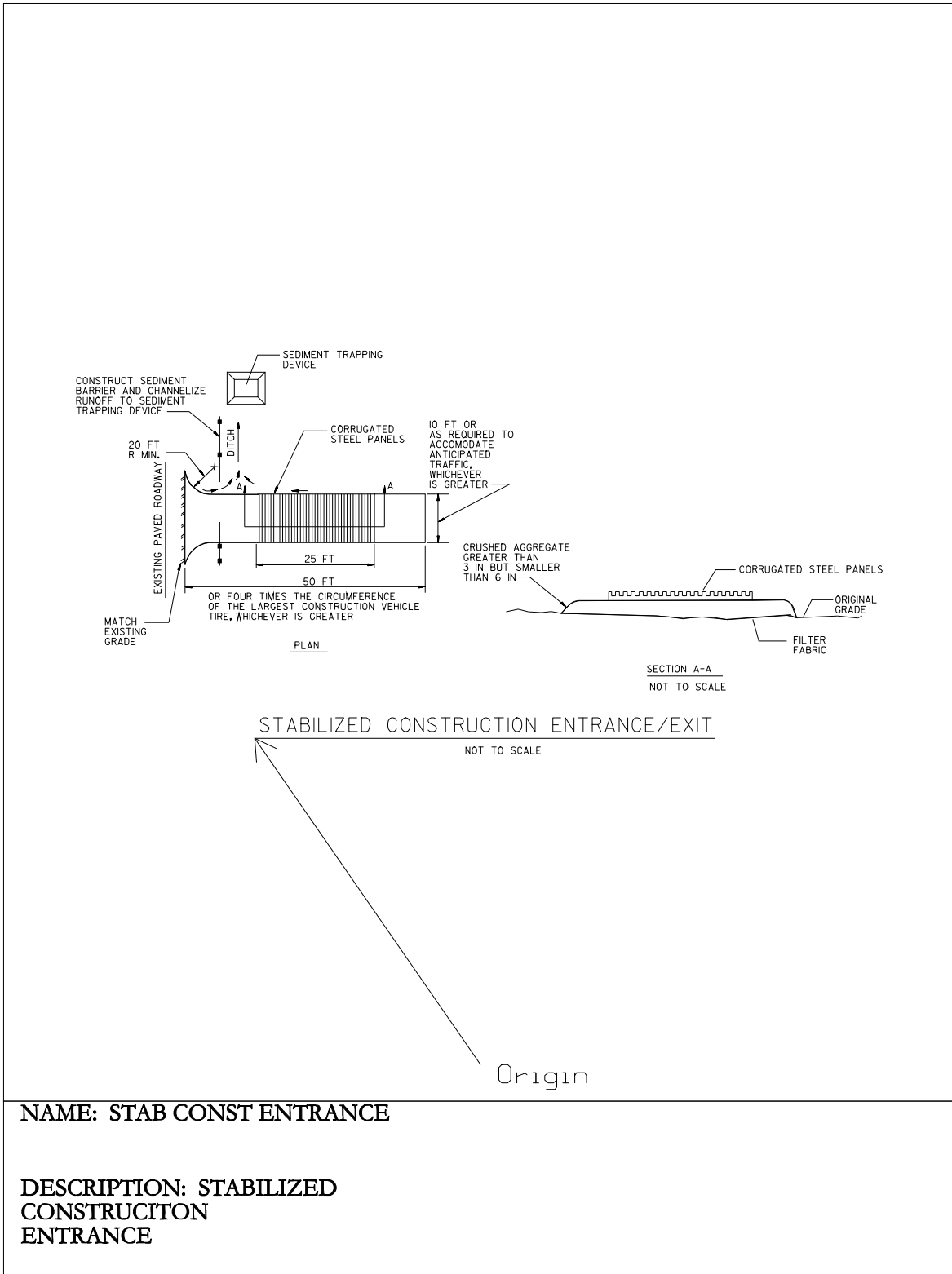
SILT FENCE NOTES:

1. SETBACK DISTANCE MAY VARY TO FIT FIELD CONDITION.
2. STAKES SHALL BE SPACED AT 8 FT MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
3. STAKE DIMENSIONS ARE NOMINAL.
4. MINIMUM 4 STAPLES PER STAKE.
5. AT JOINING SECTION, STAKES TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH STAKE ONE FULL TURN. SECURE FABRIC TO STAKE WITH 4 STAPLES.
6. STAKES SHALL BE DRIVEN TIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT JOINT. THE TOPS OF THE STAKES SHALL BE SECURED WITH WIRE.
7. JOINING SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS.
8. FOR END STAKE, FENCE FABRIC SHALL BE FOLDED AROUND TWO STAKES ONE FULL TURN AND SECURED WITH 4 STAPLES
9. THE LAST 8 FT OF FENCE SHALL BE TURNED UP SLOPE.
10. MAINTENANCE OPENINGS SHALL BE CONSTRUCTED IN A MANNER TO ENSURE SEDIMENT REMAINS BEHIND SILT FENCE.
11. CROSS BARRIERS SHALL BE A MINIMUM OF 1/3 AND A MAXIMUM OF 1/2 THE HEIGHT OF THE SILT FENCE.
12. GRAVEL BAG ROWS AND LAYERS SHALL BE OFFSET TO ELIMINATE GAPS.
13. CONSTRUCT THE LENGTH OF EACH REACH SO THAT THE CHANGE IN BASE ELEVATION ALONG THE REACH DOES NOT EXCEED 1/3 THE HEIGHT OF THE SILT FENCE, IN NO CASE SHALL THE REACH LENGTH EXCEED 500 FT.
14. SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS.

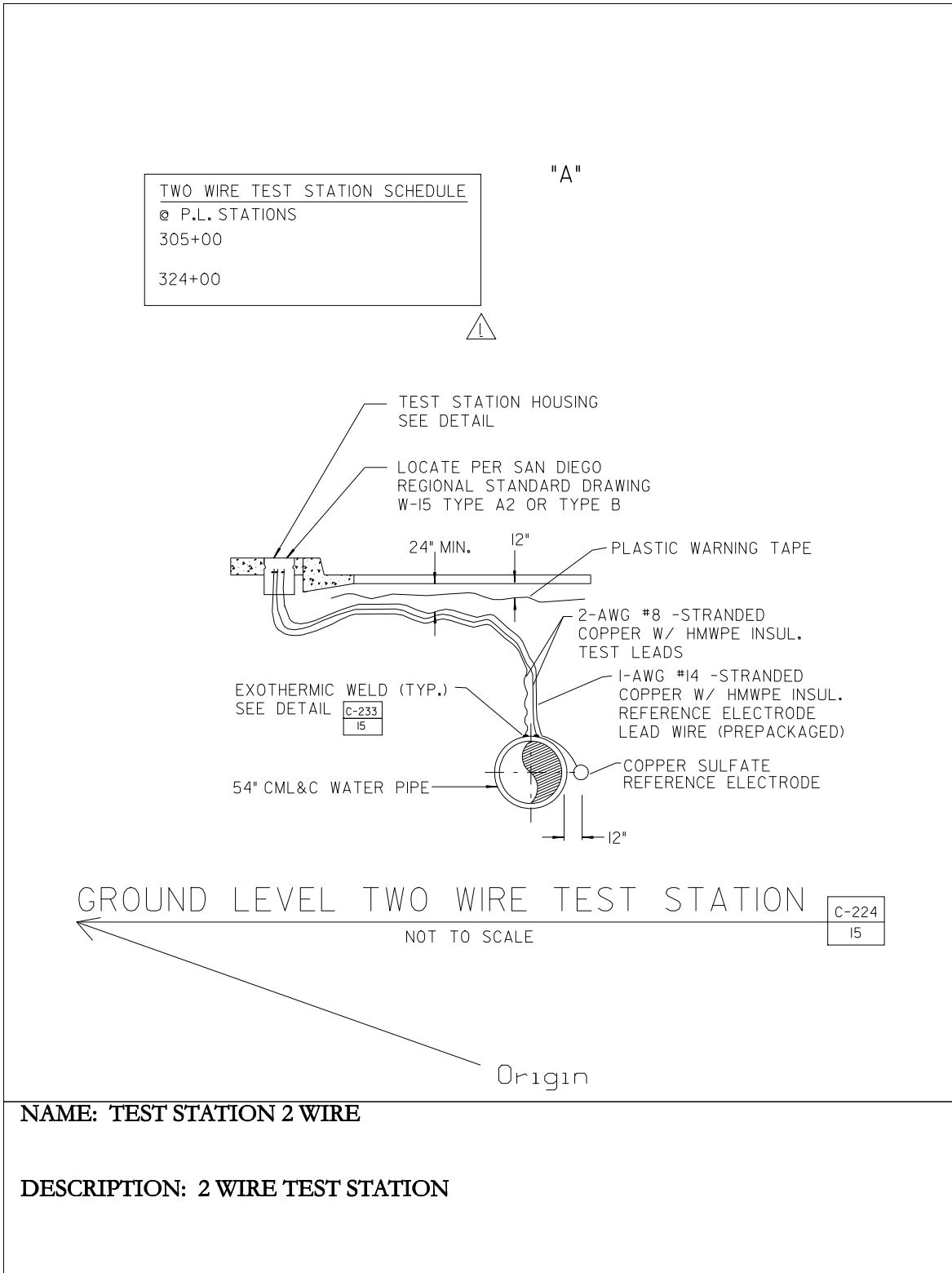
NAME: SILT FENCE NOTES

DESCRIPTION: SILT FENCE NOTES

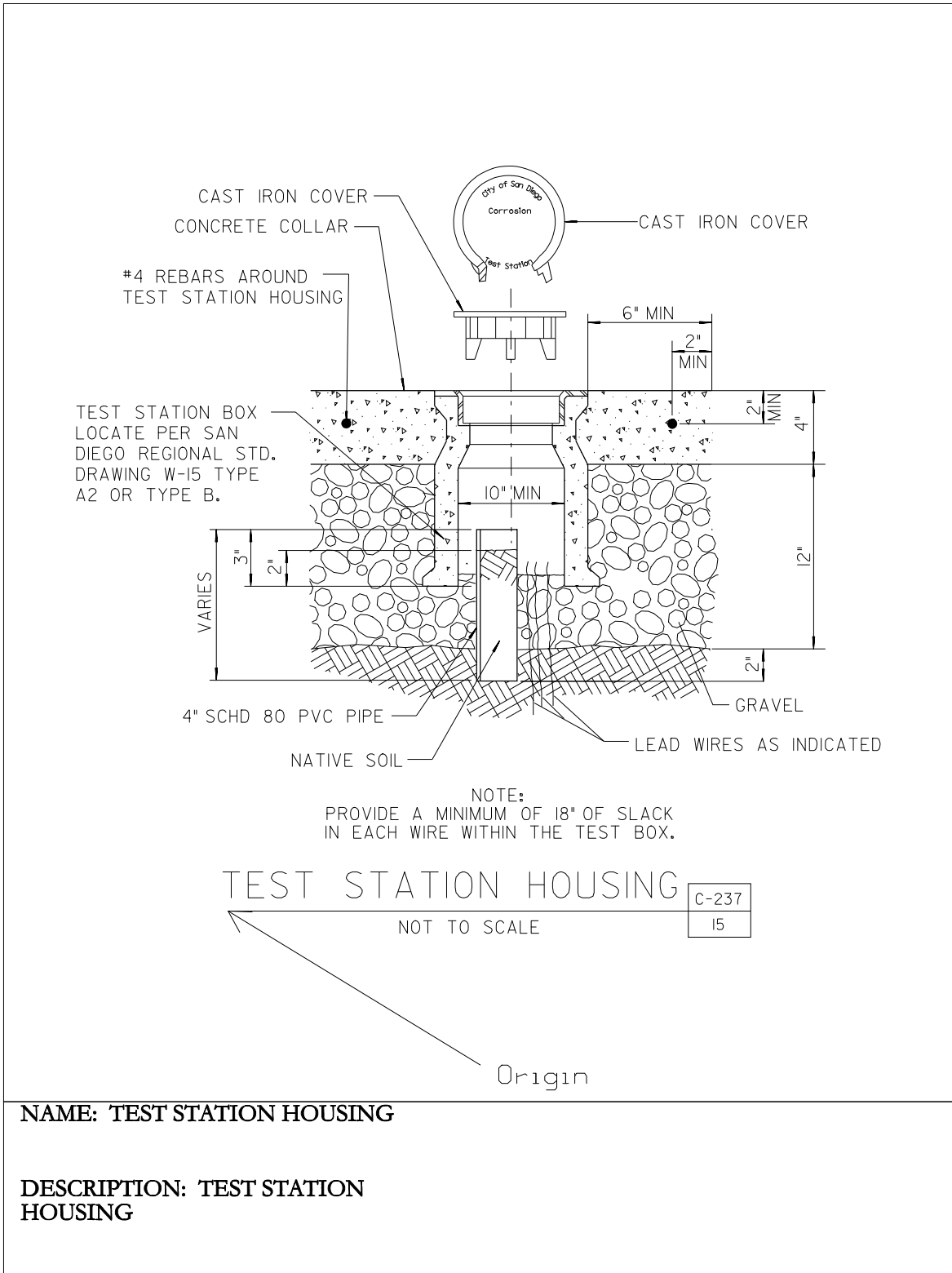
V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



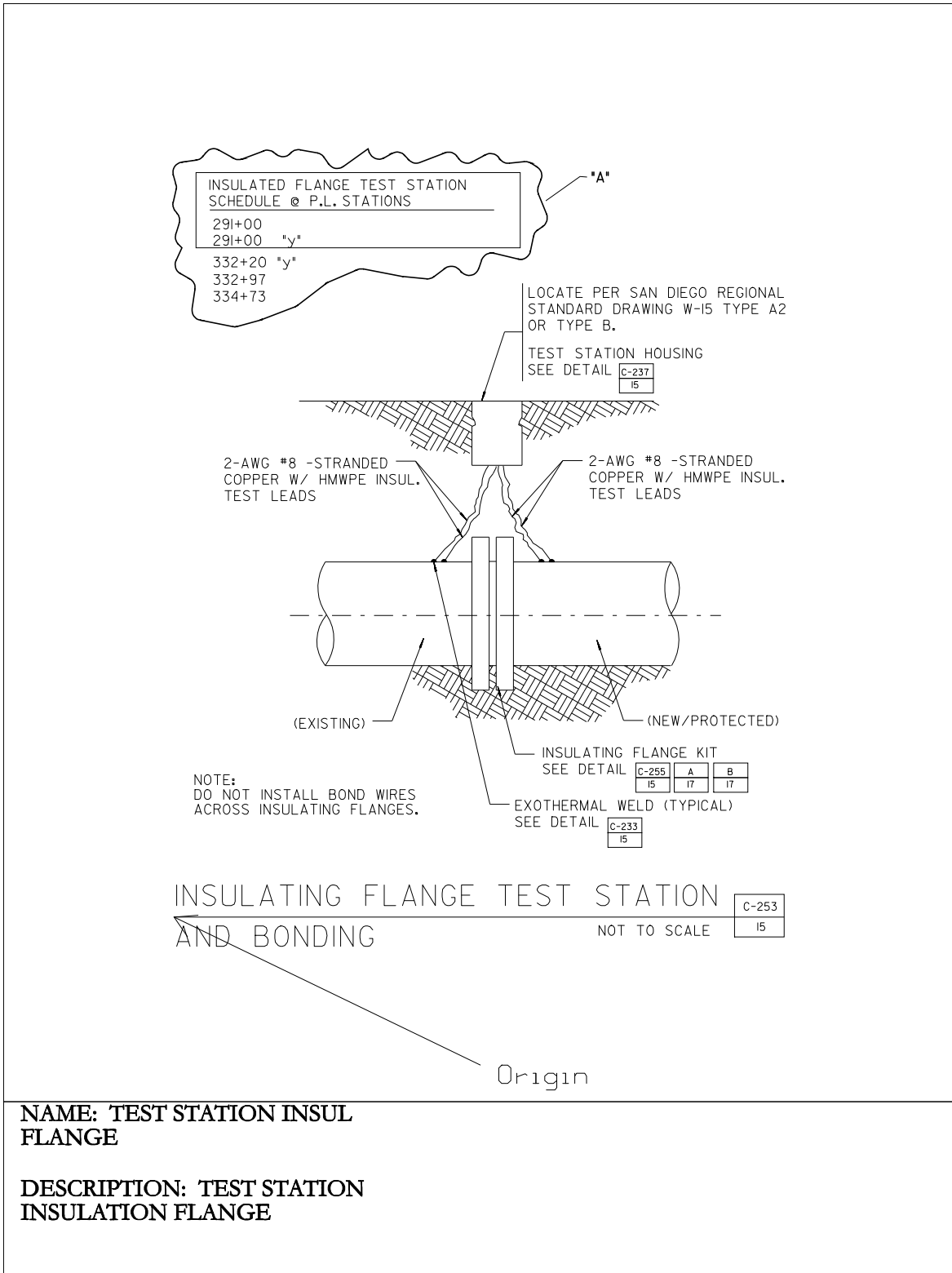
V8 CITY DETAILS.CEL



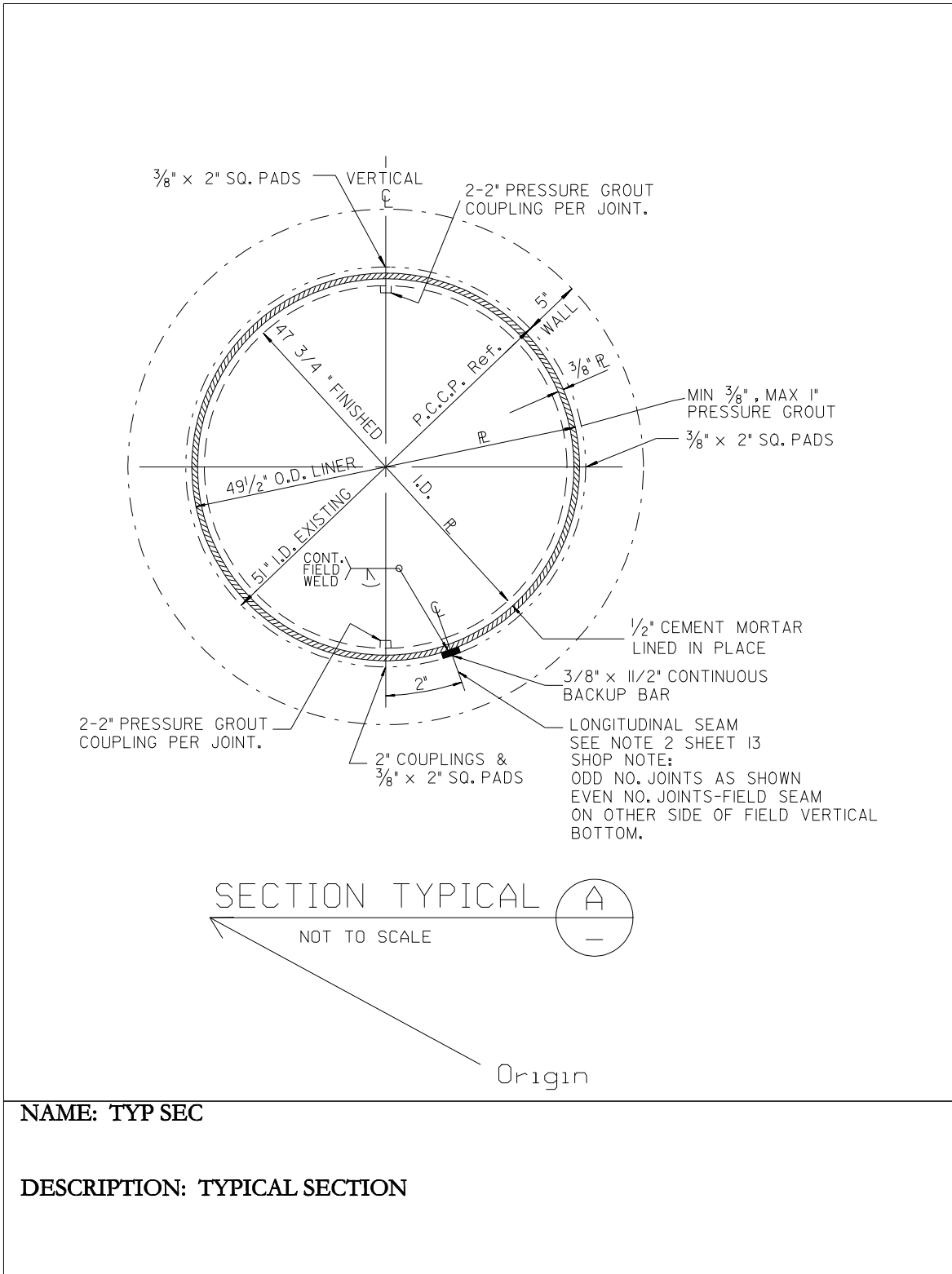
NAME: TEST STATION HOUSING

DESCRIPTION: TEST STATION HOUSING

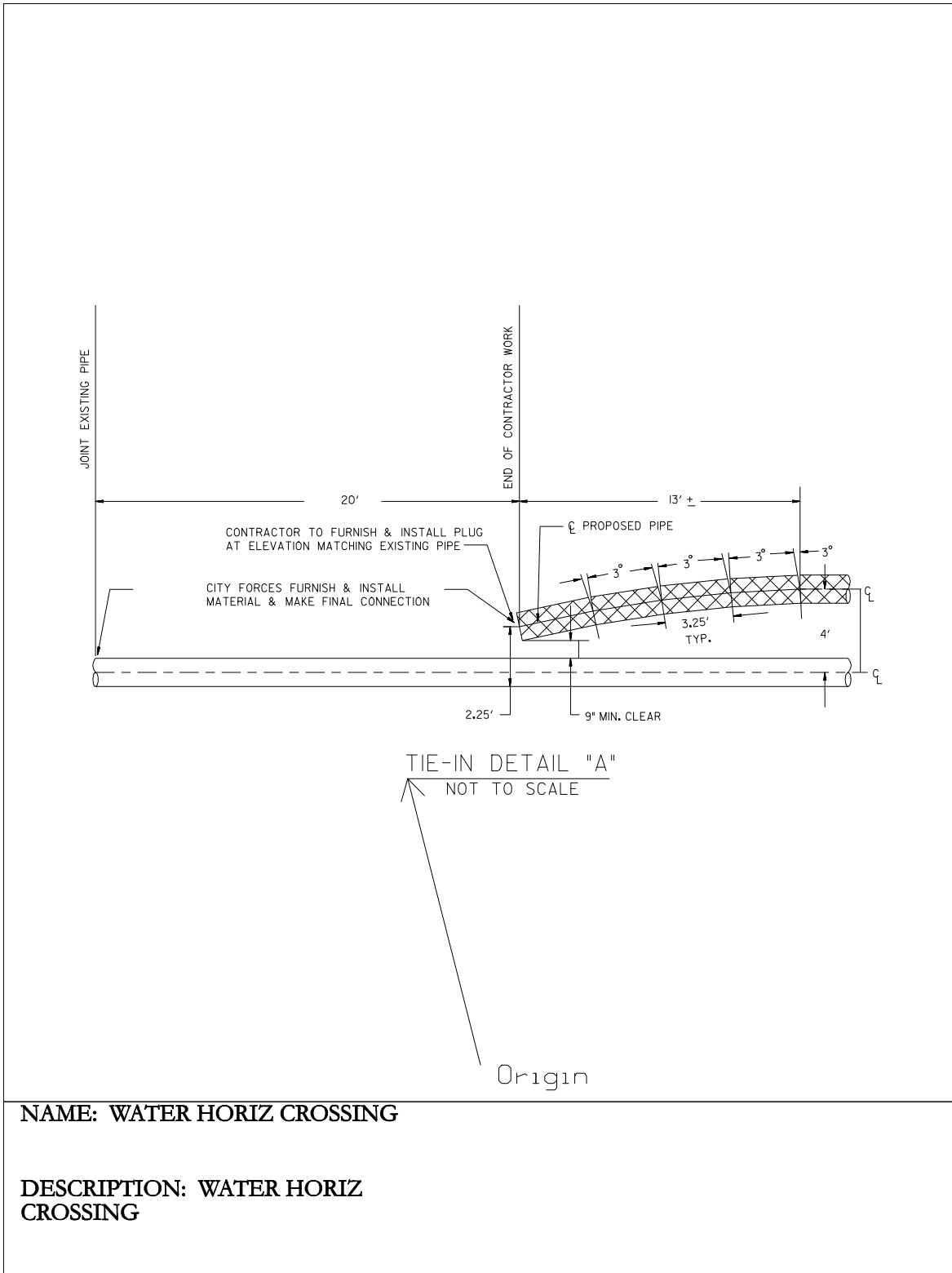
V8 CITY DETAILS.CEL



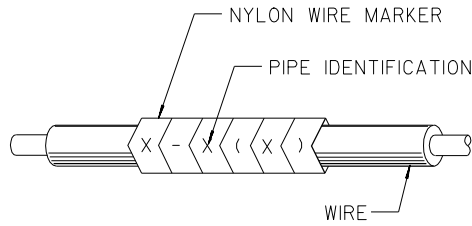
V8 CITY DETAILS.CEL



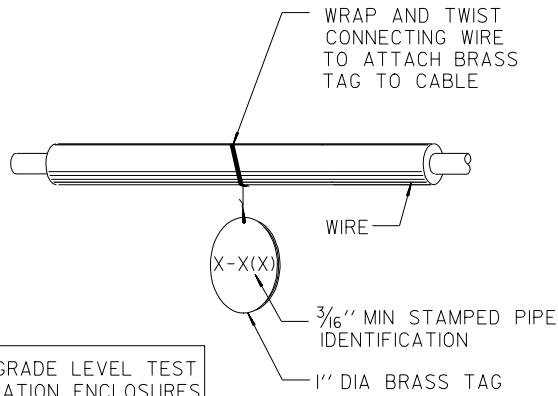
V8 CITY DETAILS.CEL



V8 CITY DETAILS.CEL



FOR USE IN JUNCTION BOXES
AND ABOVE GRADE ENCLOSURES



FOR USE IN GRADE LEVEL TEST
AND BOND STATION ENCLOSURES

WIRE IDENTIFIER

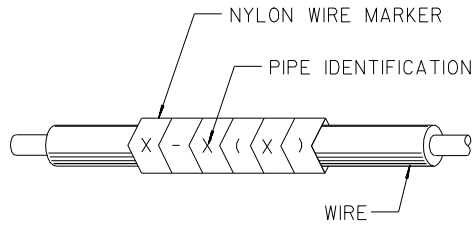
C-239
15

ALL WIRE TERMINATIONS
NOT TO SCALE

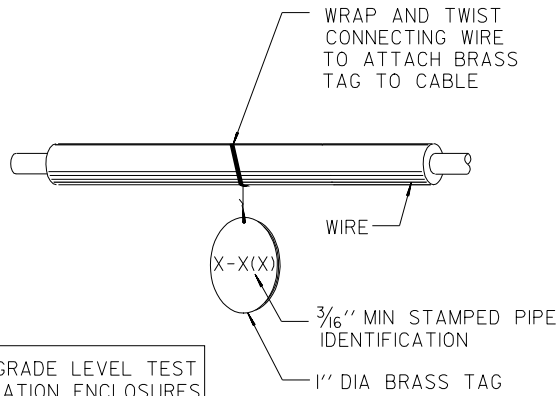
Origin

NAME: WIRE IDENTIFIER

DESCRIPTION: WIRE IDENTIFIER



FOR USE IN JUNCTION BOXES
AND ABOVE GRADE ENCLOSURES



FOR USE IN GRADE LEVEL TEST
AND BOND STATION ENCLOSURES

WIRE IDENTIFIER

C-239
15

ALL WIRE TERMINATIONS
NOT TO SCALE

Origin

NAME: WIRE IDENTIFIER

DESCRIPTION: WIRE IDENTIFIER