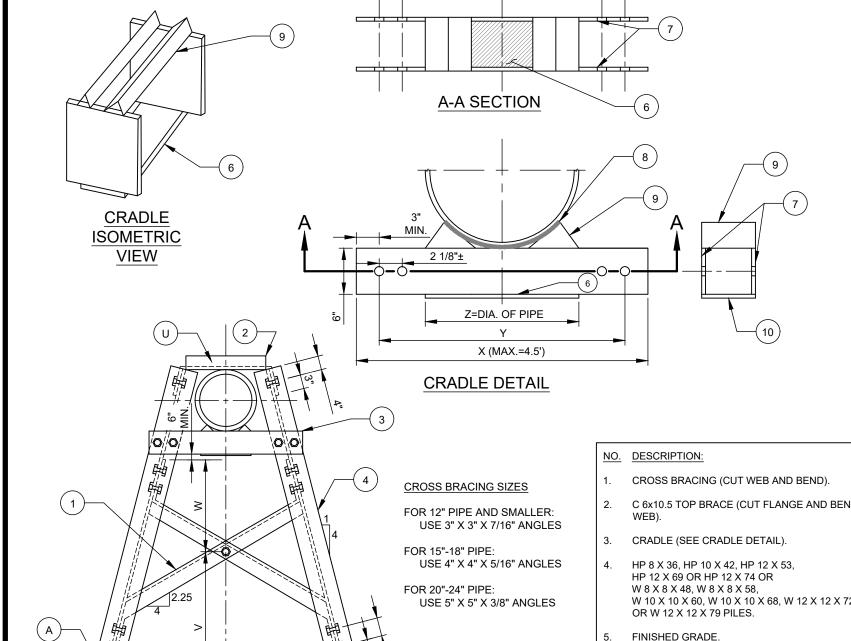
24'

S

DATE

04/2024

DETAIL 11.4.2



- C 6x10.5 TOP BRACE (CUT FLANGE AND BEND
- W 10 X 10 X 60, W 10 X 10 X 68, W 12 X 12 X 72
- FINISHED GRADE.
- 6. 1/2" STEEL BOTTOM PLATE.
 - 3/4" STEEL PLATE.
- 8. 1/4" NEOPRENE PAD.
- 1/2" STEEL ANGLE WITH EQUAL SIDES.

NOTES:

- ALL FIELD CUTS BY TORCH SHALL BE GROUND TO FLAT TRUE 90° ANGLES.
- DIMENSIONS X AND Y VARY ACCORDING TO PIPE SIZE AND ELEVATION OF PIPE. THE MAXIMUM LENGTH OF X IS 4.5'.
- DIMENSION Z IS EQUAL TO THE DIAMETER OF THE PIPE.
- ALL STEEL PLATES SHALL MEET ASTM A36.
- E. FOR 8" TO 18" PIPE, ALL BOLTS SHALL BE 7/8" IN DIAMETER AND MEET ASTM A325. FOR 24" PIPE, BOLTS ON THE CRADLE SHALL BE 1 INCH IN DIAMETER AND MEET ASTM A490. BOLTS SHALL BE AT LEAST 2 1/2" LONG. PLAIN ROUND WASHERS WILL BE REQUIRED.
- BOLT HOLES SHALL BE 1/16" LARGER THAN THE DIAMETER OF THE BOLT AND SHALL BE DRILLED
- THIS CRADLE SHALL NOT BE USED FOR PIPE LARGER THAN 24" IN DIAMETER.
- ATTACH THE CRADLE TO THE PILES WITH 4 BOLTS ON EACH SIDE [TOTAL OF 8 BOLTS].
- ATTACH BOTTOM PLATE TO CRADLE SIDES WITH A CONTINUOUS 3/8" FILLET WELD
- THE 1/2" STEEL ANGLES SHALL BE SPOT WELDED TO THE SIDES OF THE CRADLE AND SHALL BE 1/4TH OF THE PIPE DIAMETER.
- ADD 1/4" NEOPRENE PAD OR SIMILAR TO PROTECT PIPE FROM CRADLE.
- MAXIMUM HEIGHT FROM PIPE TO UNDISTURBED SOIL IS 20'.
- PIPE SHALL FIT SNUGLY.
- V SHALL EQUAL W OR AS APPROVED
- Ο. SEE STEEL H-PILE SPECIFICATIONS.
- PILES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 10' BELOW GROUND OR AS DIRECTED BY THE ENGINEER.
- PILES SHALL BE DRIVEN TO A DEPTH AT WHICH PILE BEARING CAPACITY IS 20 TONS OR AS APPROVED BY THE ENGINEER.
- THESE PIERS SHALL BE USED FOR DUCTILE IRON PIPE OR HIGH STRENGTH STEEL PIPE ONLY.
- ALL STEEL TO BE HOT DIP GALVANIZED. SEE GALVANIZED SPECIFICATIONS.
- PAINTING IN BLACK OVER THE HOT DIP GALVANIZED COMPONENTS IS ACCEPTABLE TO CLTW.