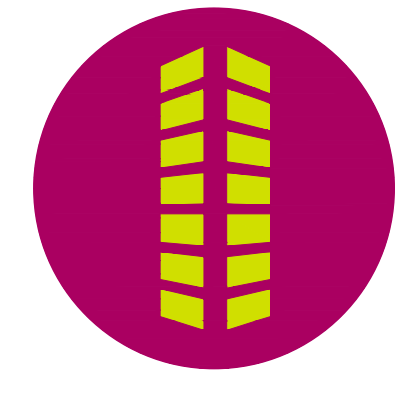


Galloway
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Colorado Springs, CO 80920
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10/21/2019

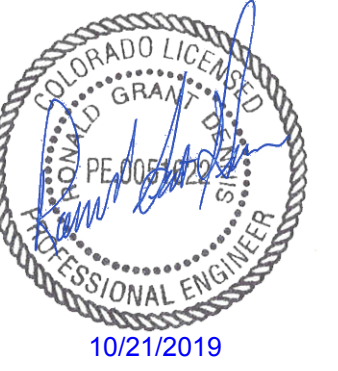
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CONSTRUCTION PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
BENT GRASS MEADOWS DRIVE
FALCON, CO 80831 EL PASO COUNTY

#	Date	Issue / Description	Init.

Project No: CUH000014.20
Drawn By: JDP
Checked By: RGD
Date: 10/21/2019



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 FALCON, CO 80831 EL PASO COUNTY

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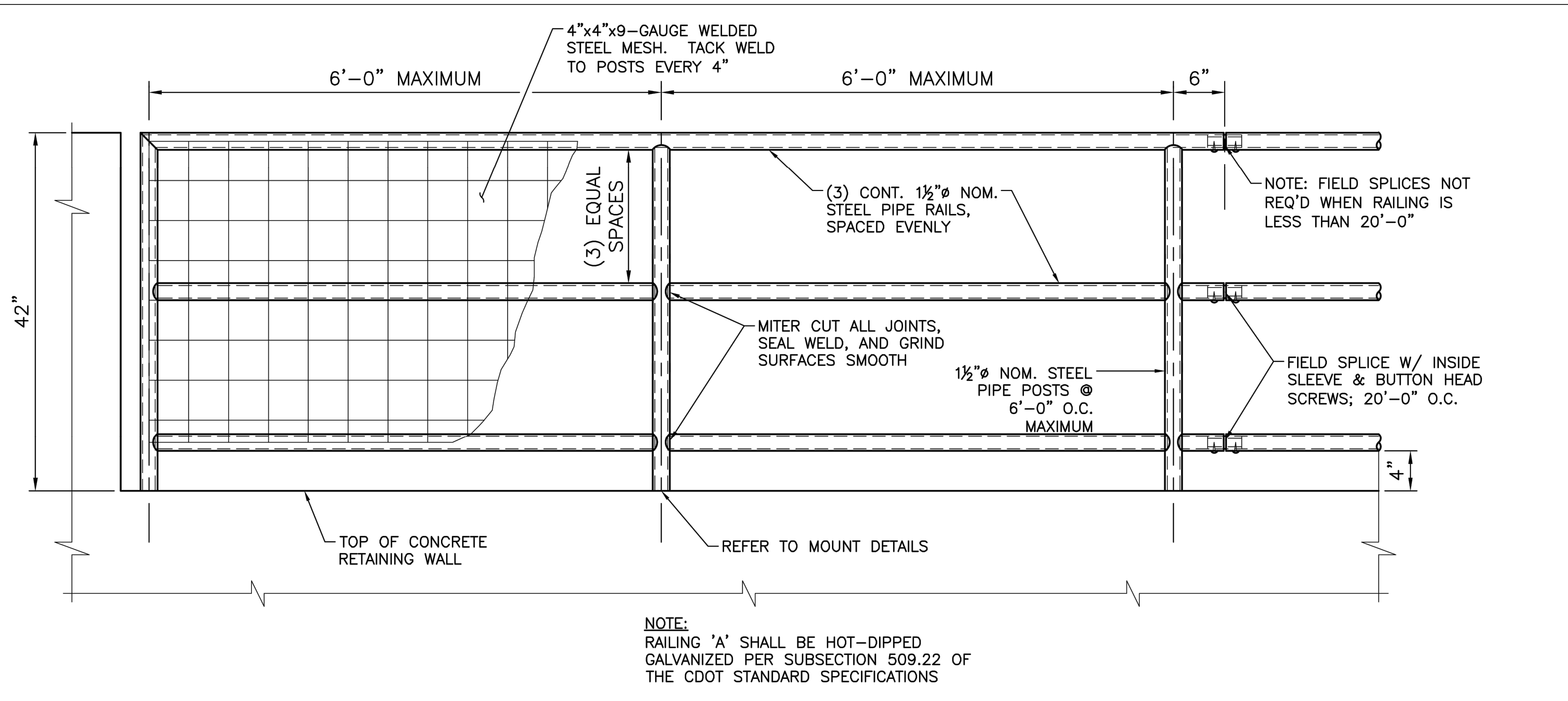
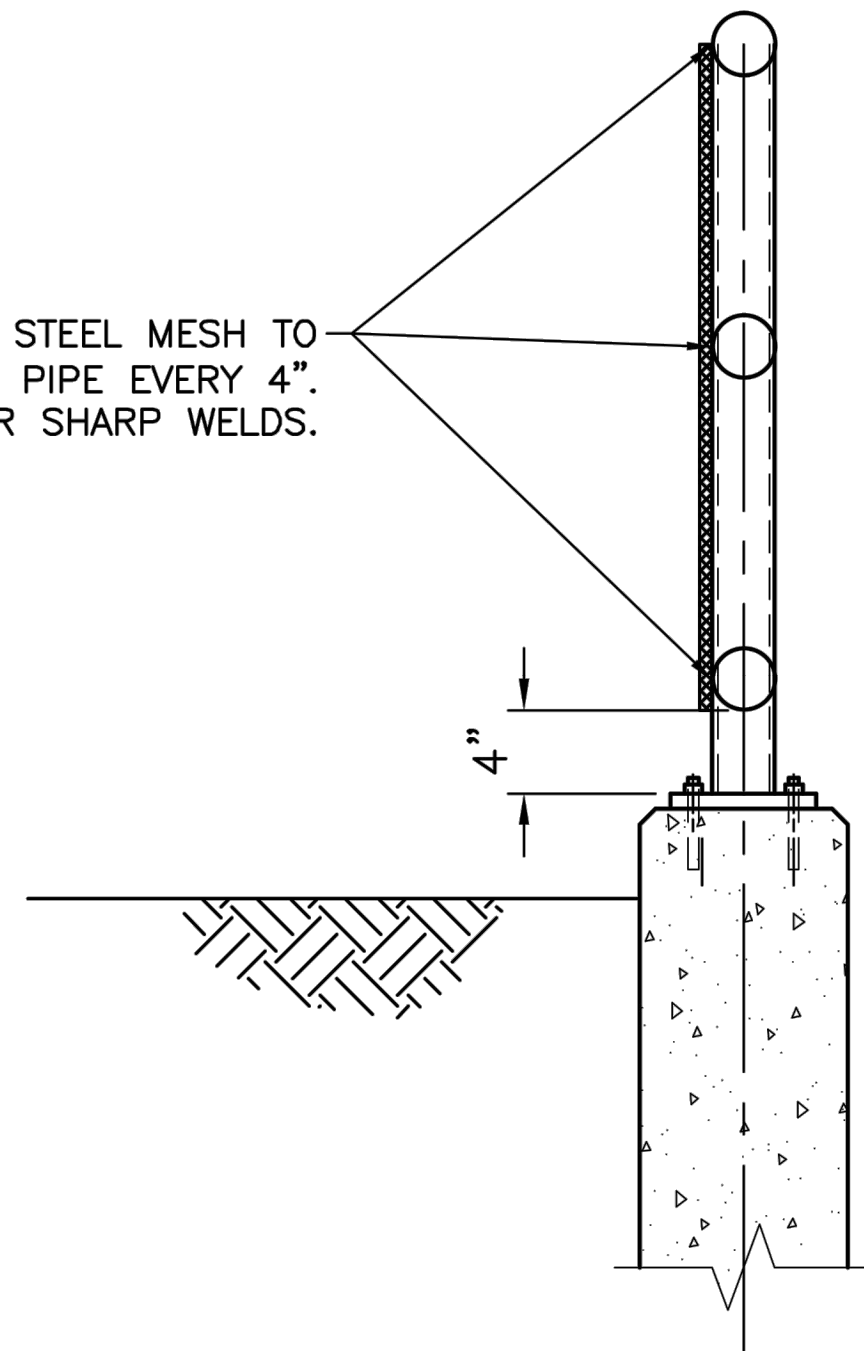
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CULVERT DETAILS

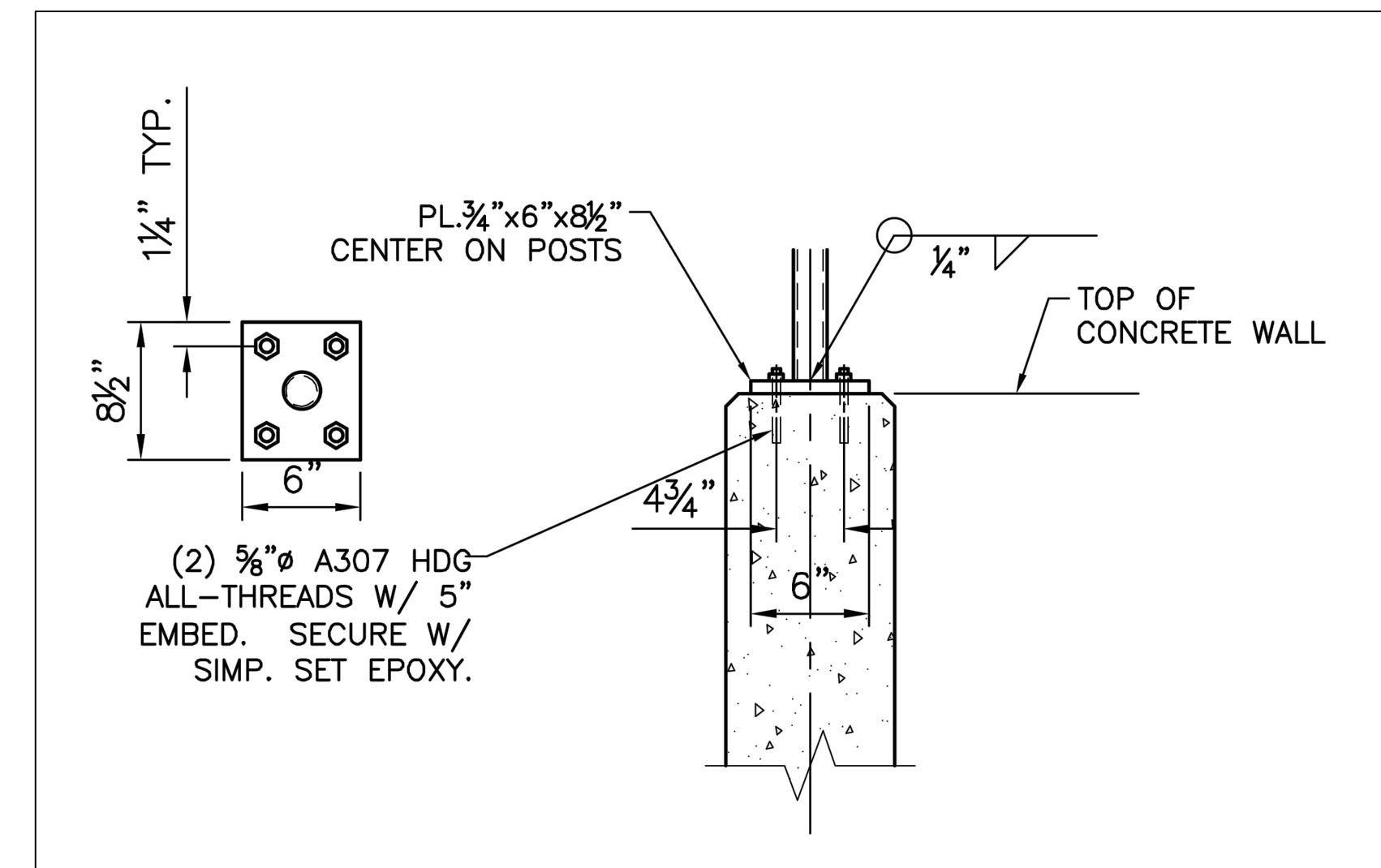
NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE CDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
2. STEEL PIPE TO BE ASTM A53 GRADE B; WITH $F_y = 35$ KSI.
3. STEEL PLATES, CHANNELS & ANGLES TO BE ASTM A36; WITH $F_y = 36$ KSI.
4. ALL WELDING TO CONFORM TO CURRENT AWS D1.1 REQUIREMENTS.
5. COMPLETE ASSEMBLY OR SUB-ASSEMBLIES, BRACKETS, RAILING AND MISCELLANEOUS STEEL PIECES SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
6. STRUCTURAL BOLTS, NUTS & WASHERS SHALL BE HOT-DIP GALVANIZED.
7. EXPANSION ANCHORS TO BE HILTI KWIK-BOLT II OR APPROVED EQUAL. INSTALL EXPANSION ANCHORS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
8. EXPANSION ANCHOR BOLTS, NUTS & WASHERS SHALL BE STAINLESS STEEL.
9. REFER TO OTHER DETAILS FOR CONCRETE REINFORCING REQUIREMENTS.
10. COORDINATE REBAR PLACEMENT IN CONCRETE TO MISS ANCHOR BOLTS & INSERTS.
11. GALVANIZED AREAS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH A APPROVED COLD-GALVANIZING COMPOUND.
12. EPOXY SET ANCHORS SHALL UTILIZE HILTI HIT HY 150 CONSTRUCTION ADHESIVE AND HAS GALVANIZED OR STAINLESS STEEL THREADED RODS.
13. FIELD SPLICES SHALL BE MADE UTILIZING GALVANIZED STEEL PIPE SLEEVE INSERTS AND HOT-DIP GALVANIZED STEEL BOLTS, NUTS, AND WASHERS.
14. CROSS REFERENCE ASSOCIATED STANDARD DETAILS AS NECESSARY FOR STEEL FABRICATIONS.

TACK WELD STEEL MESH TO CENTER OF PIPE EVERY 4". GRIND ROUGH OR SHARP WELDS.



PIPE RAILING DETAIL
 SCALE: NOT TO SCALE



PIPE RAIL MOUNT DETAIL
 SCALE: NOT TO SCALE

