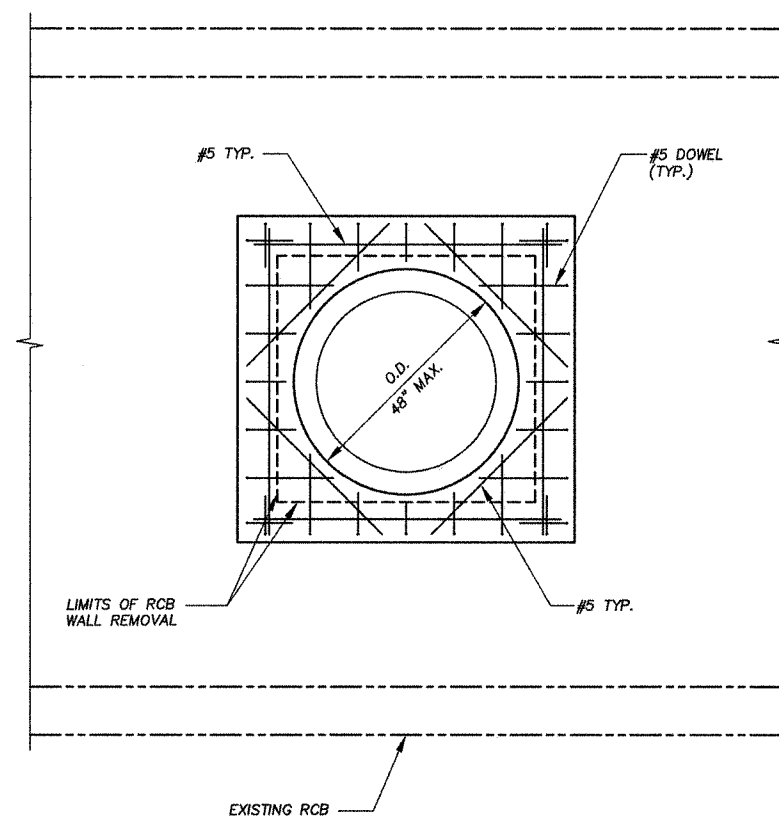
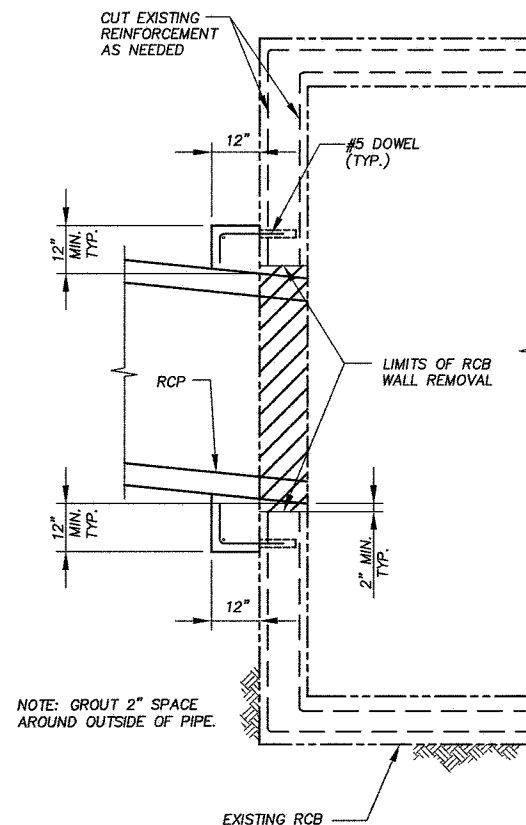
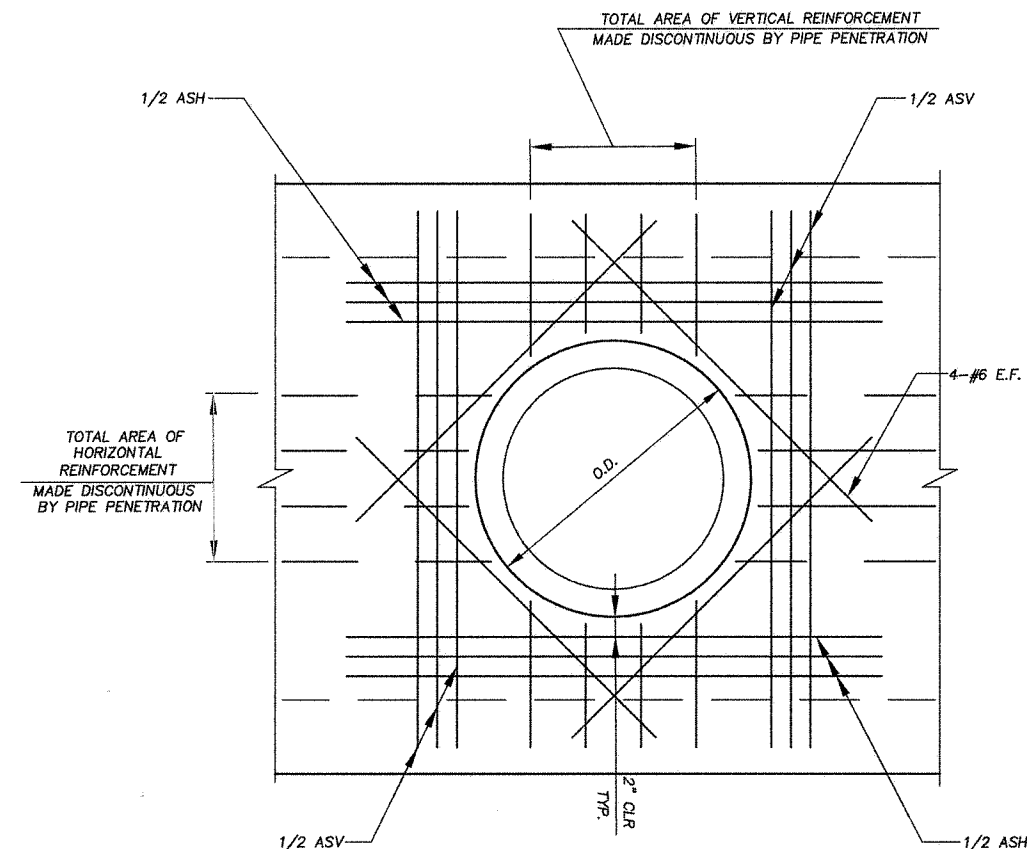




COLLAR DETAIL



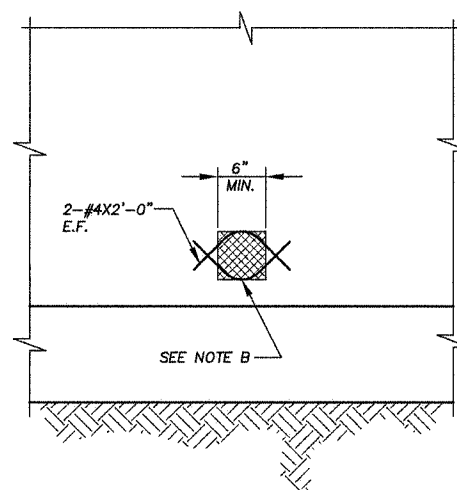
LONGITUDINAL SECTION



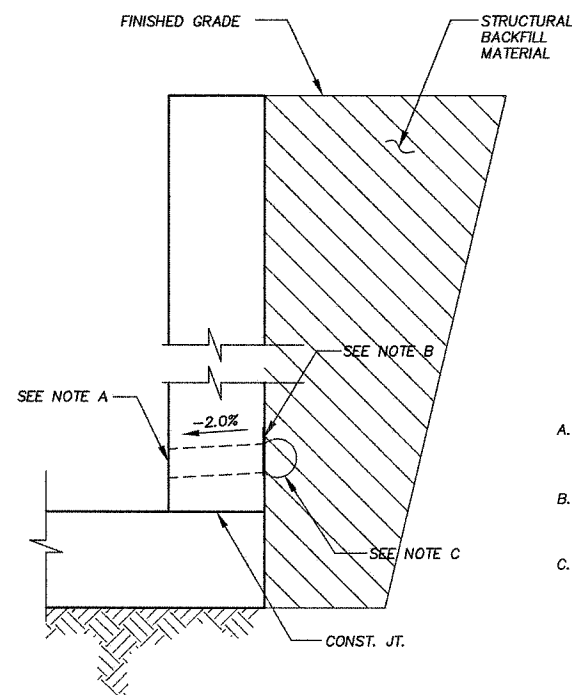
WALL PIPE PENETRATION DETAIL

WALL PIPE PENETRATION NOTES

1. ASH BARS LENGTHS TO BE O.D. + 3'-10".
2. ASH= TOTAL AREA OF HORIZONTAL REINFORCEMENT MADE DISCONTINUOUS BY PIPE PENETRATION.
3. ASV= TOTAL AREA OF VERTICAL REINFORCEMENT MADE DISCONTINUOUS BY PIPE PENETRATION.
4. ASH AND ASV BARS SHALL BE EVENLY DISTRIBUTED ON EACH SIDE OF PIPE PENETRATION, AND PLACED IN ADDITION TO TYPICAL WALL REINFORCEMENT SHOWN.
5. ASH AND ASV BARS SHALL BE UNIFORMLY SPACE OVER A DISTANCE NOT TO EXCEED 1/4 O.D. ON EACH SIDE OF THE PIPE PENETRATION.
6. PIPE OUTSIDE DIAMETER (O.D.) NOT TO EXCEED 40" FOR RCB WALL PENETRATION, AND NOT TO EXCEED 80" FOR CHANNEL WALL PENETRATION.



ELEVATION



SECTION

WEEP HOLE NOTES:

- A. 4" DIA. WEEP HOLE SPACED AT 24'-0" MAX. FOR CANTILEVER WALLS. BOTTOM OF EXPOSED WALL DRAINS SHALL BE LOCATED 3"± ABOVE FINISHED GRADE.
- B. SQUARE ALUMINUM OR GALVANIZED STEEL WIRE 1/4" MESH HARDWARE CLOTH (MIN. WIRE DIA. 0.030") ANCHOR FIRMLY TO BACK FACE.
- C. TWO CU. FT. OF 2" DRAIN BACK FILL. ENCAPSULATED ON TO MIRAFI FILTERWEAVE 500 GEOTEXTILE FABRIC (OR APPROVED EQUAL) SECURELY TIED AND PLACED AT EACH WEEP HOLE. SUB WOVEN GEOTEXTILE SHALL NOT BE ALLOWED.

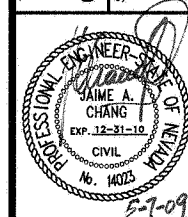
WEEP HOLE DETAIL

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C4.02

**DEPARTMENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION**

**OAKEY/MEADOWS STORM DRAIN
PHASE 1
CHARLESTON BOULEVARD TO ALTA DRIVE**

TYPICAL DETAILS 1 OF 2



SHEET:

C4.02

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PBSJ 2270 Corporate Circle Drive
Suite 100
Henderson, Nevada 89074
Telephone: 702/263-7275
Fax: 702/263-7200
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