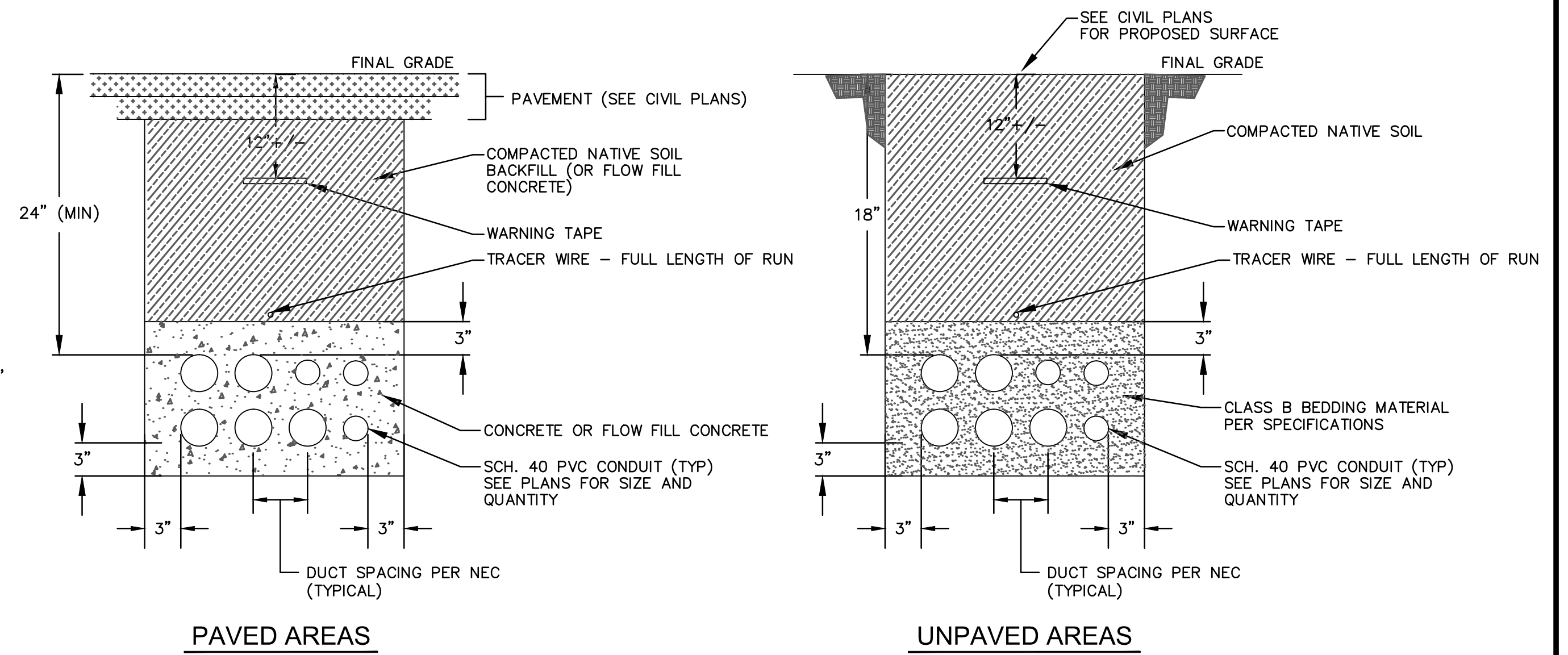


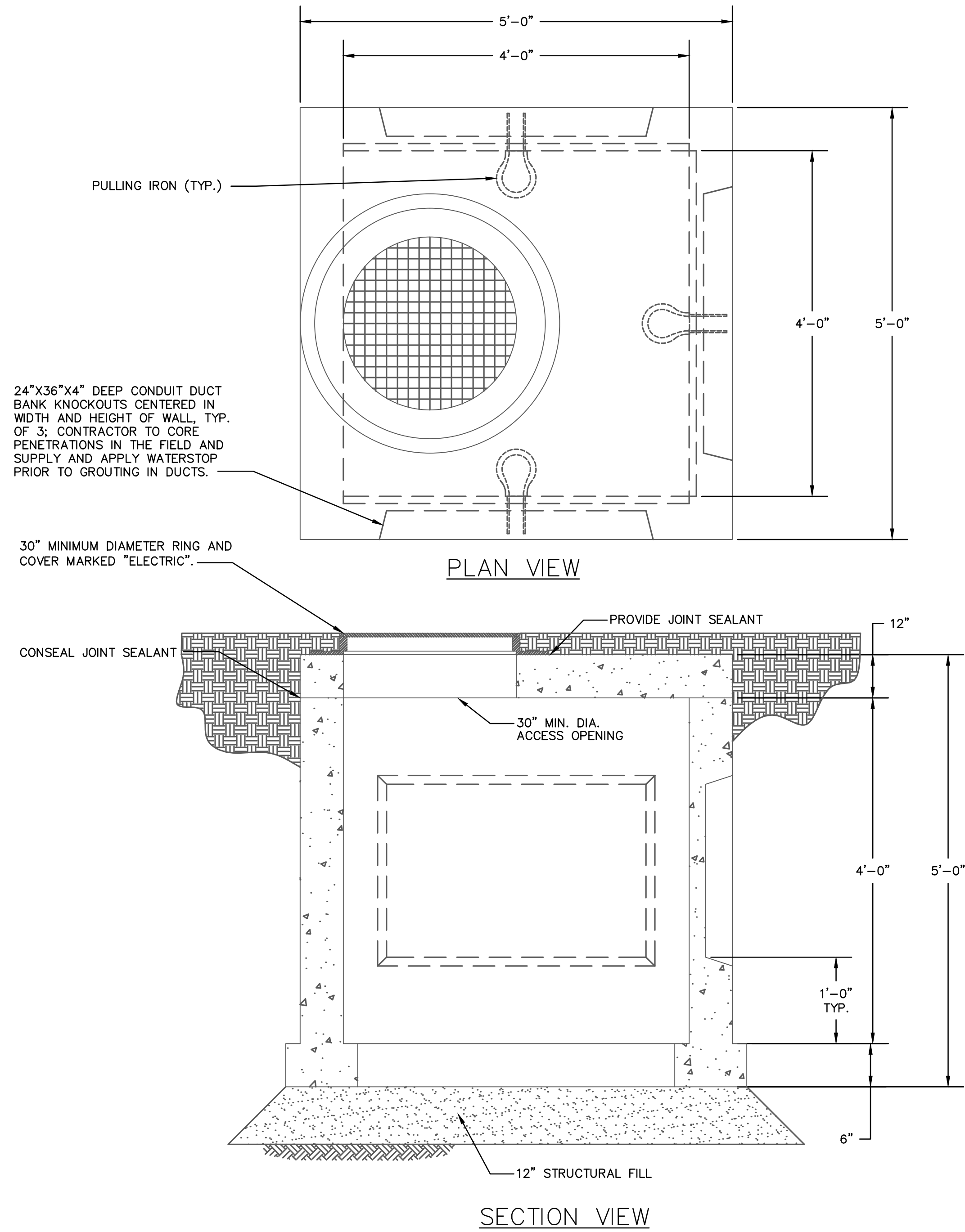
NOTES:

CONCRETE: 5000 PSI MINIMUM
 REINFORCING: GRADE 60 MINIMUM
 VAULT: #4 REBAR @ 12" O.C. O.C.E.W.
 LID: 2 LAYERS OF #5 REBAR @ 2" O.C.
 WALLS TO BE 6" THICK, LID TO BE 12" THICK
 DESIGNED TO ASTM C-857, HS-20-44 LOADINGS AND ASTM C-858

- DUCT IS TO HAVE A MINIMUM OF 3" (+1",-0") CONCRETE ENVELOPE ABOVE AND BELOW, AND 2" MINIMUM IN BETWEEN. CONDUITS SHALL BE TIED TO SPACERS.
- CONCRETE ENCASEMENT SHALL EXTEND 5' BEYOND EDGE OF PAVEMENT UNDER PAVEMENT CROSSINGS.
- CONCRETE SHALL BE PROPERLY VIBRATED WHEN INSTALLED TO ASSURE COMPLETE FLOW UNDER, AROUND AND BETWEEN ALL DUCTS TO ELIMINATE ANY AIR POCKETS.
- ALL RISERS AND CONDUIT BENDS TO ABOVE GROUND SHALL BE RIGID METAL CONDUIT. PROVIDE PVC TO METAL COUPLING AT ENDS OF STRAIGHT UNDERGROUND RUNS.
- CONCRETE / FLOW FILL FOR DUCT BANKS SHALL MEET CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 206.02.
- FOR ALL UTILITY TRENCHES, CONTRACTOR SHALL BACKFILL TRENCHES IN ACCORDANCE WITH CIVIL SPECIFICATION SECTIONS.



1 LOW VOLTAGE TRENCH DETAIL
NO SCALE



2 LARGE HANDHOLE DETAIL
NO SCALE

REVISIONS		
NO.	DATE	DESCRIPTION
1	10/17/11	ESI NO. 013

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ELECTRICAL SITE PLAN DETAILS
 HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
 LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN: MAR DESIGNED: MAR CHECKED: MAR DATE: 2011 PROJECT NO.: 20166.330 GMS FILE NO.: 2599	GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	SHEET ESP-2 OF —
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