

**DESIGN NOTES**

THE STRUCTURAL NOTES BELOW ARE FOR STANDARD VAULTS. WE CAN DESIGN VAULTS TO MEET OTHER SPECIFICATIONS.

1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH  $f_c = 6,500$  PSI
2. REBAR: ASTM A-615 GRADE 60
3. MESH: ASTM A-185 GRADE 65
4. DESIGN: CONCENTRATED SERVICE LOAD OF 1,250 LBS ON SEGMENTED LIDS

ASTM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES."

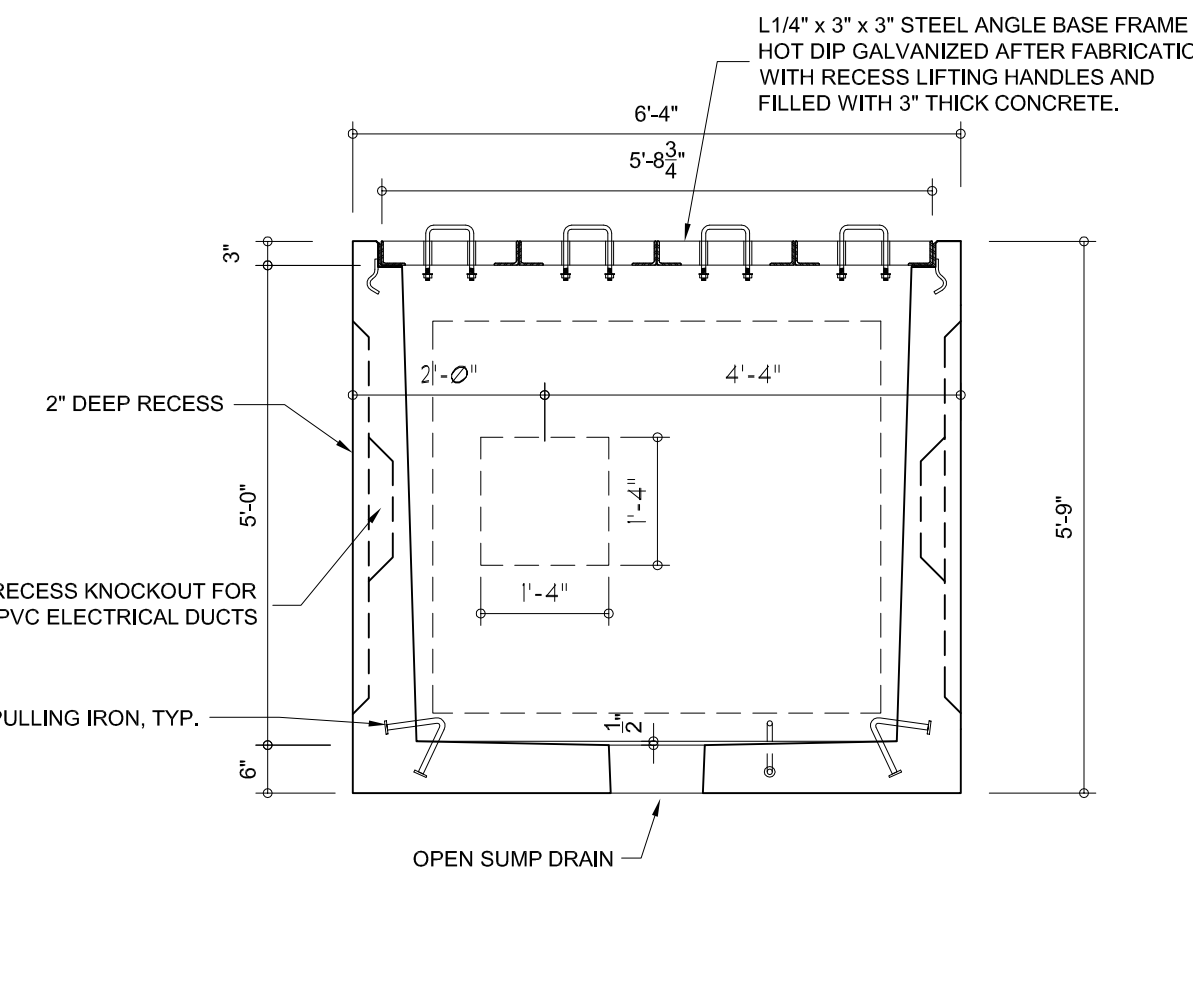
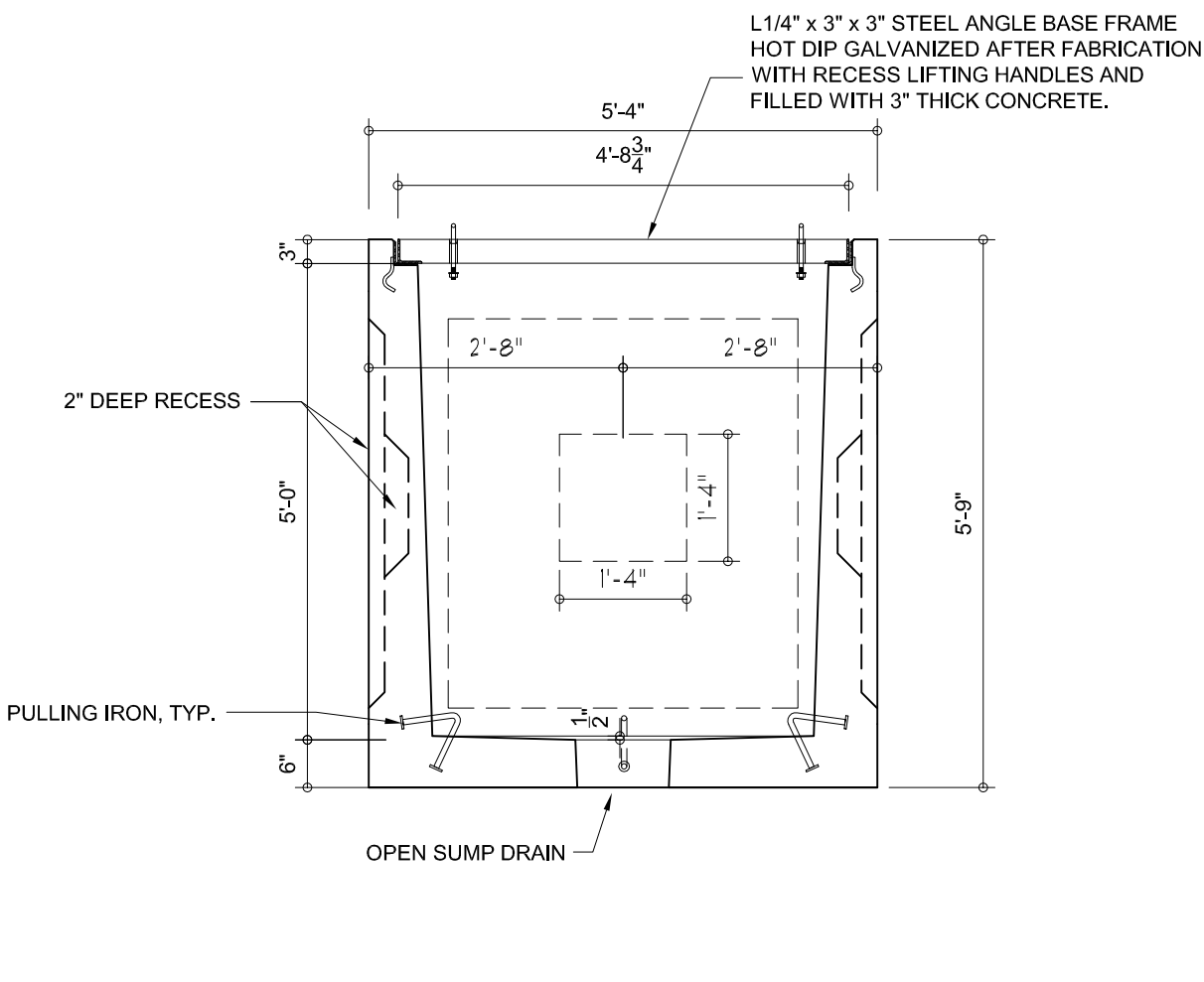
ASTM C-858 "UNDERGROUND PRECAST UTILITY STRUCTURES"

SOIL DENSITY 120 PCF

40 PCF E.F.P. LATERAL SOIL PRESSURE ABOVE WATER TABLE

80 PCF E.F.P. LATERAL SOIL PRESSURE BELOW WATER TABLE

WE CAN PROVIDE DRAWINGS AND CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER



PRIMARY HANDHOLE (NON-TRAFFIC RATED)  
4' W x 5' L x 5' D WITH SEGMENTED  
STEEL FRAMED CONCRETE LIDS

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PROJECT: _____	PROJECT NO: _____
ENGINEER: _____	COORDINATOR: _____
DRAWN BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____