

WEIGHT:
 LID = 138 LBS EACH
 BASE = 3,783 LBS

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 2,250 LBS
 ON SEGMENTED LIDS

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

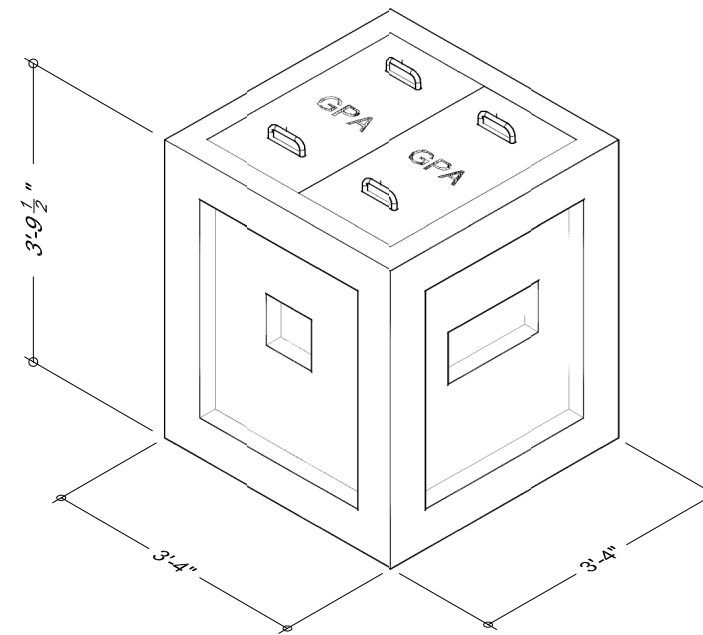
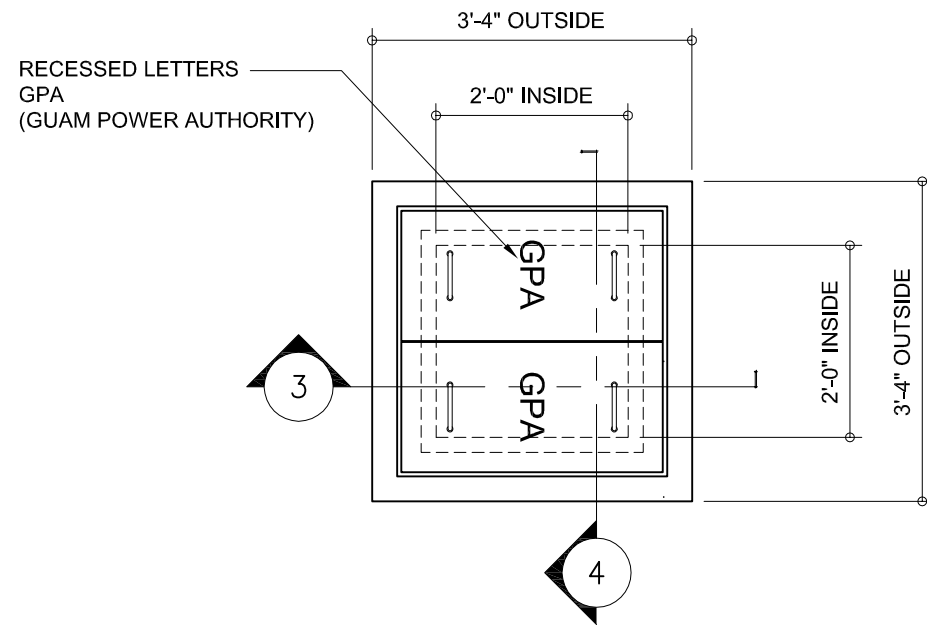
ASTM C-858 "UNDERGROUND PRECAST
 UTILITY STRUCTURES"

SOIL DENSITY 120 PCF

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

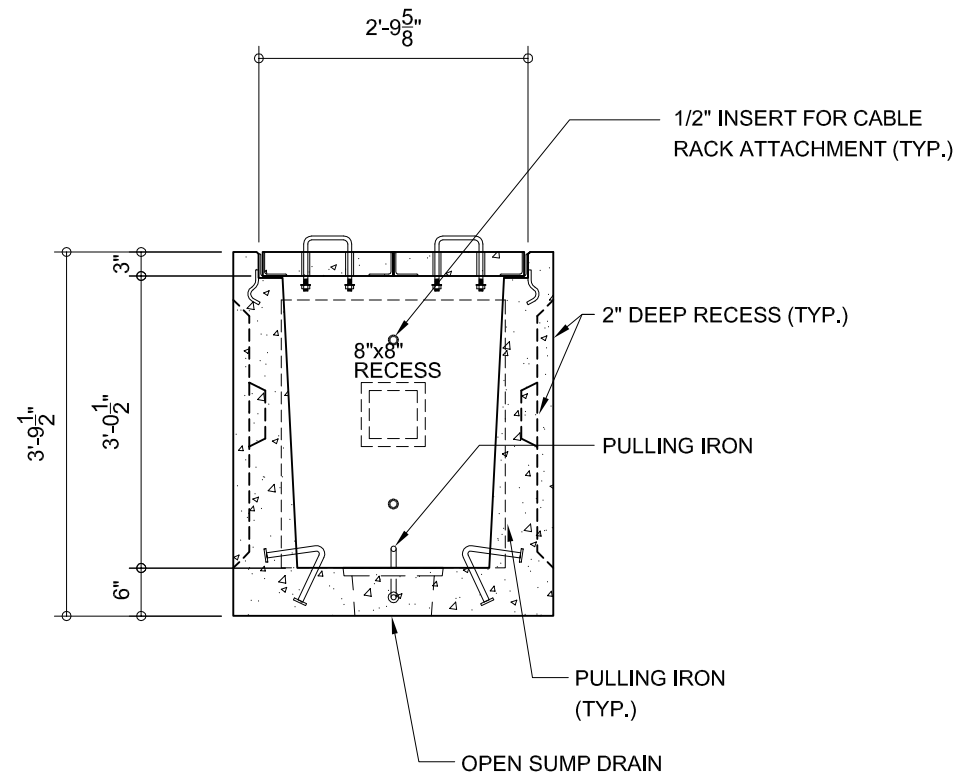
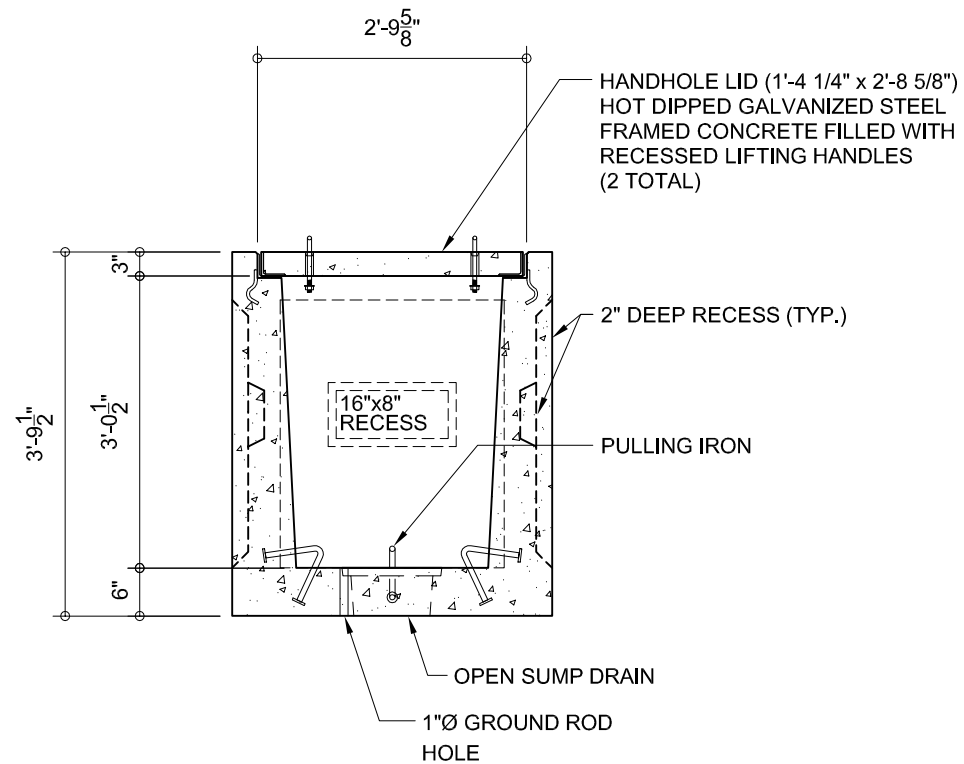
80 PCF E.F.P. LATERAL SOIL PRESSURE
 BELOW WATER TABLE

WE CAN PROVIDE DRAWINGS AND CALCULATIONS
 STAMPED BY A PROFESSIONAL ENGINEER



1 PLAN
 Scale: 1/2" = 1'-0"

2 ISOMETRIC VIEW
 Scale: 1/2" = 1'-0"



3 SECTION
 Scale: 1/2" = 1'-0"

4 SECTION
 Scale: 1/2" = 1'-0"

HANDHOLE
 2' W x 2' L x 3' D WITH SEGMENTED
 STEEL FRAMED CONCRETE LIDS

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 ECONOMIC ESPIONAGE ACT 1996 18 UCS 1831-39



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