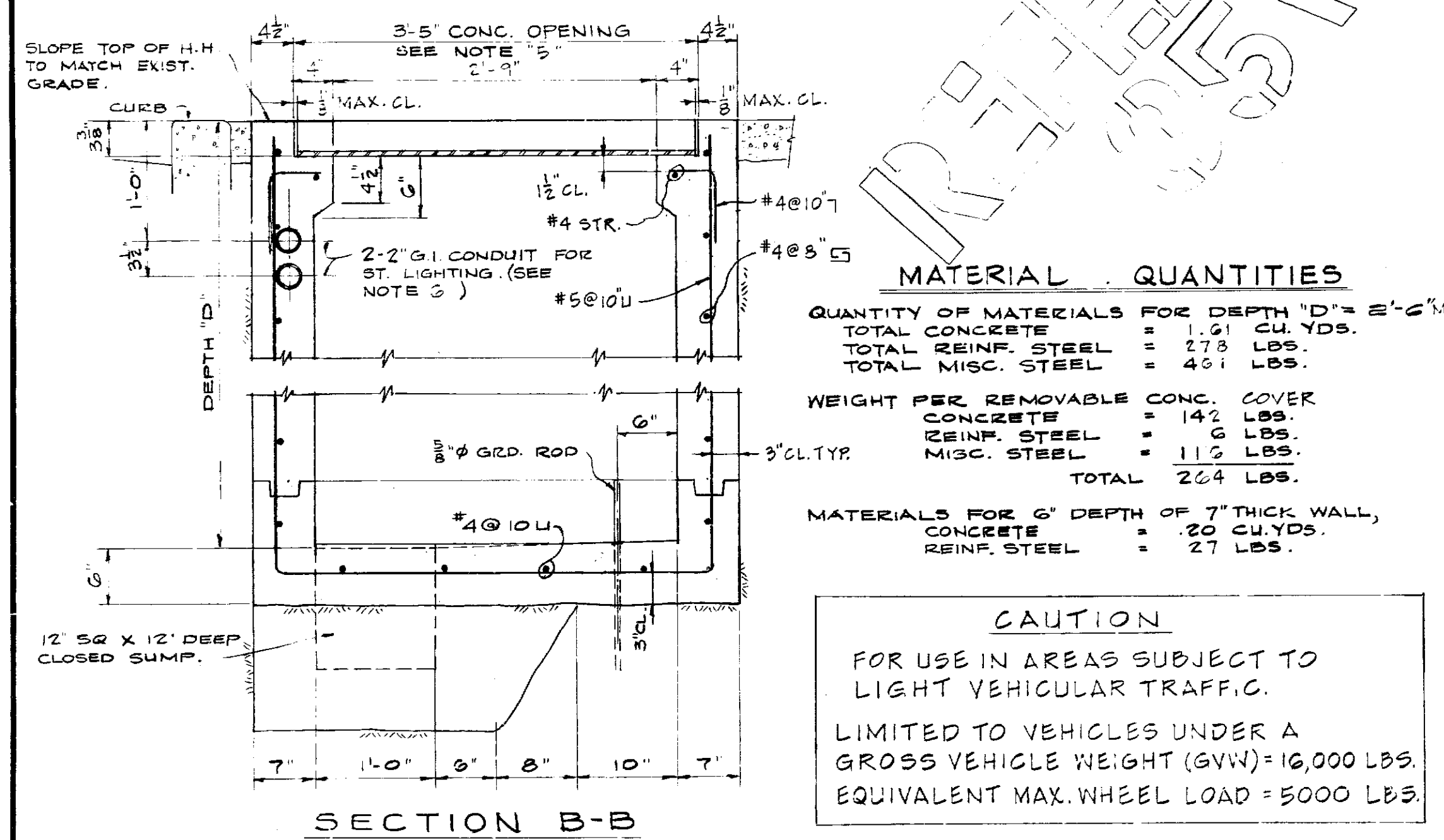
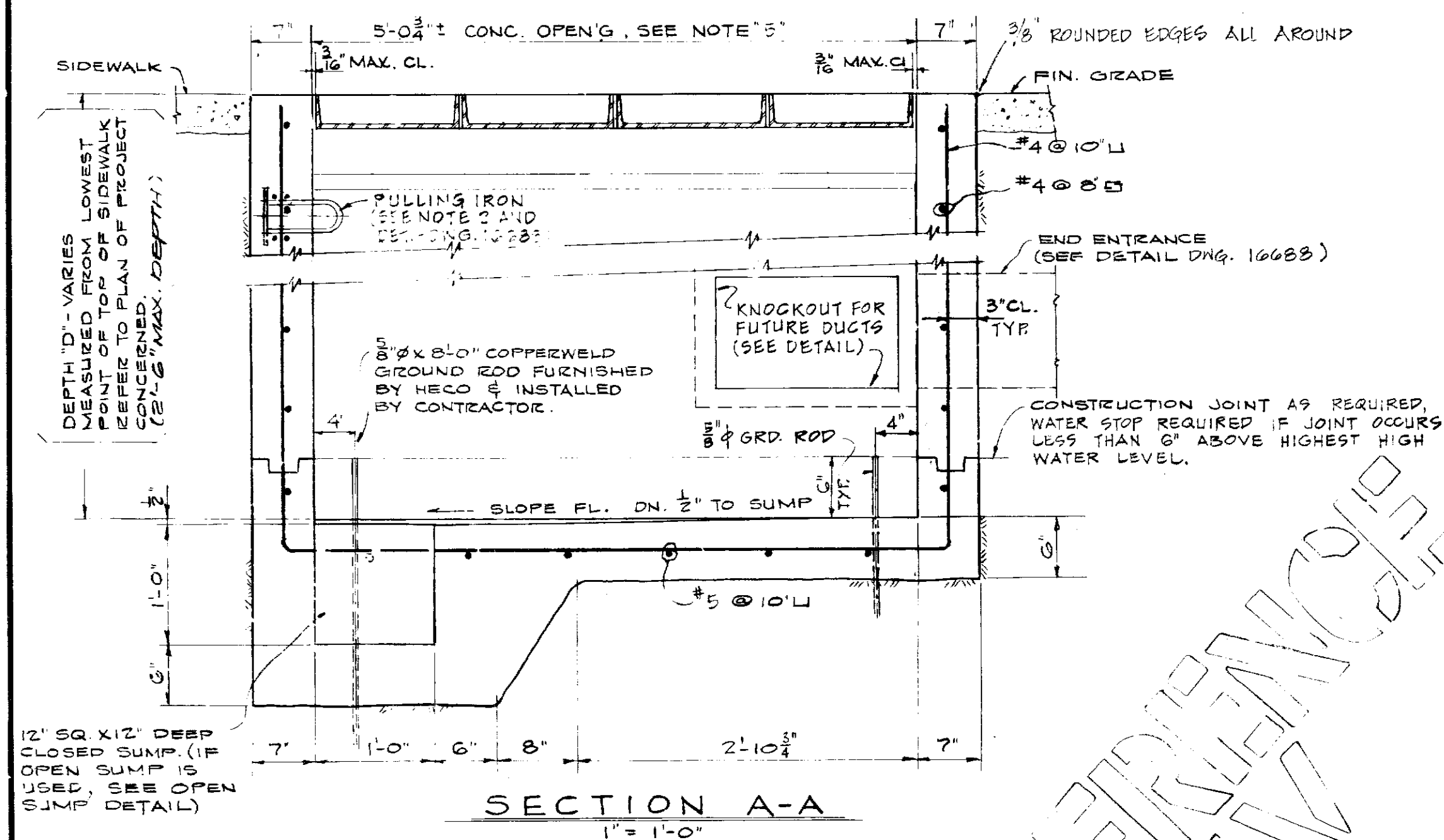
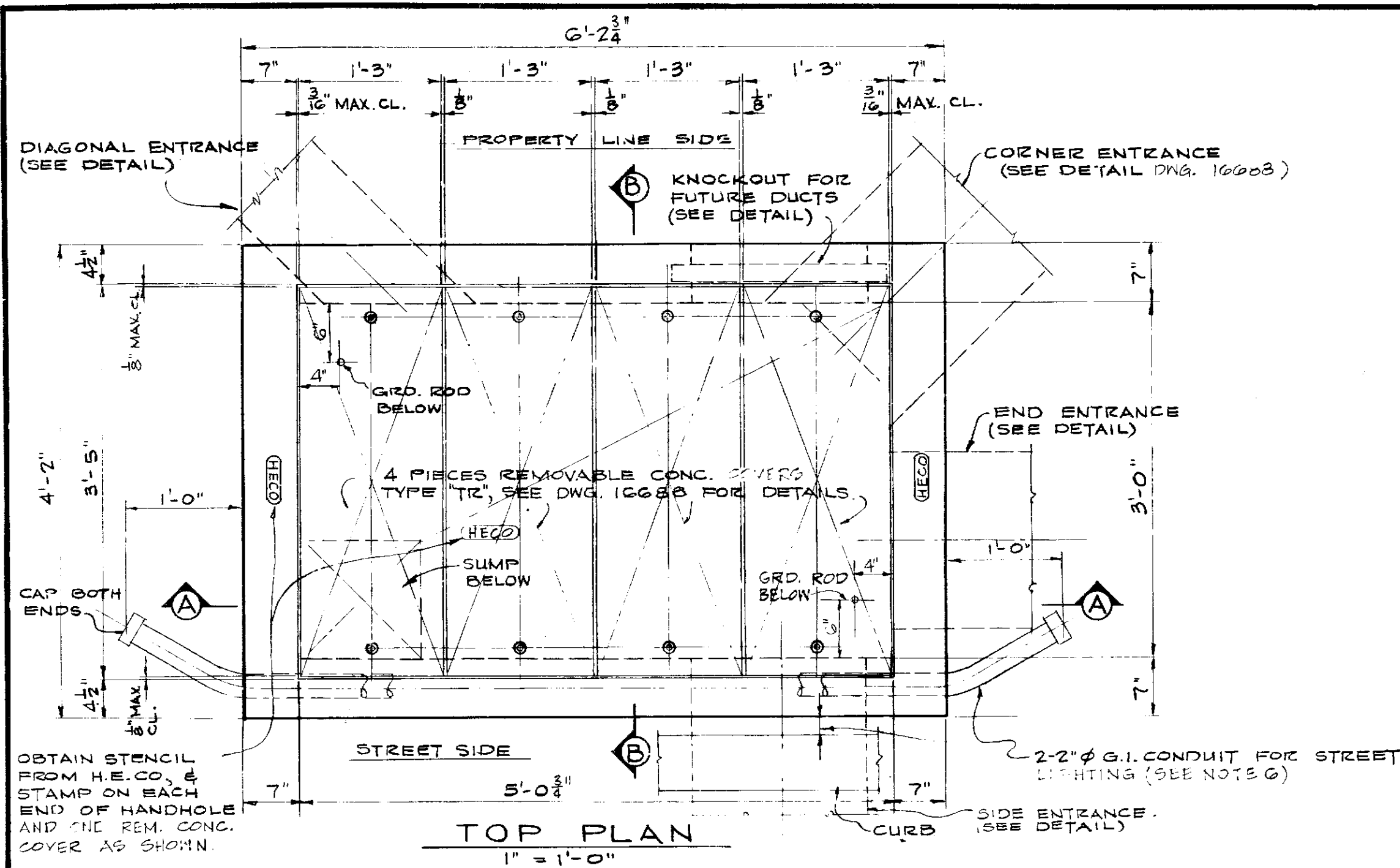




MATERIAL QUANTITIES

QUANTITY OF MATERIALS FOR DEPTH "D" = 5'-6" MAX.
 TOTAL CONCRETE = 1.51 CU. YDS.
 TOTAL REINF. STEEL = 273 LBS.
 TOTAL MISC. STEEL = 491 LBS.

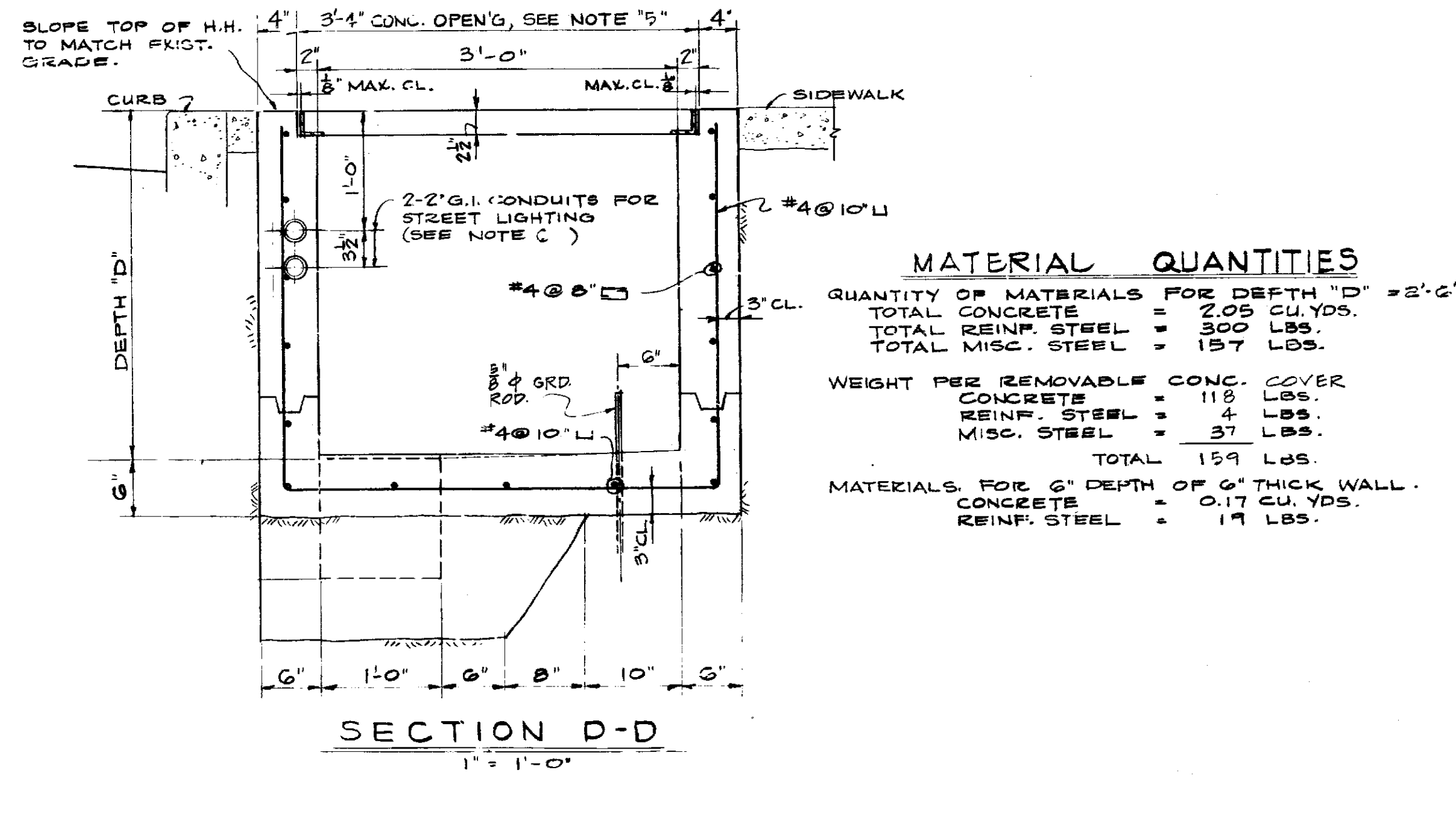
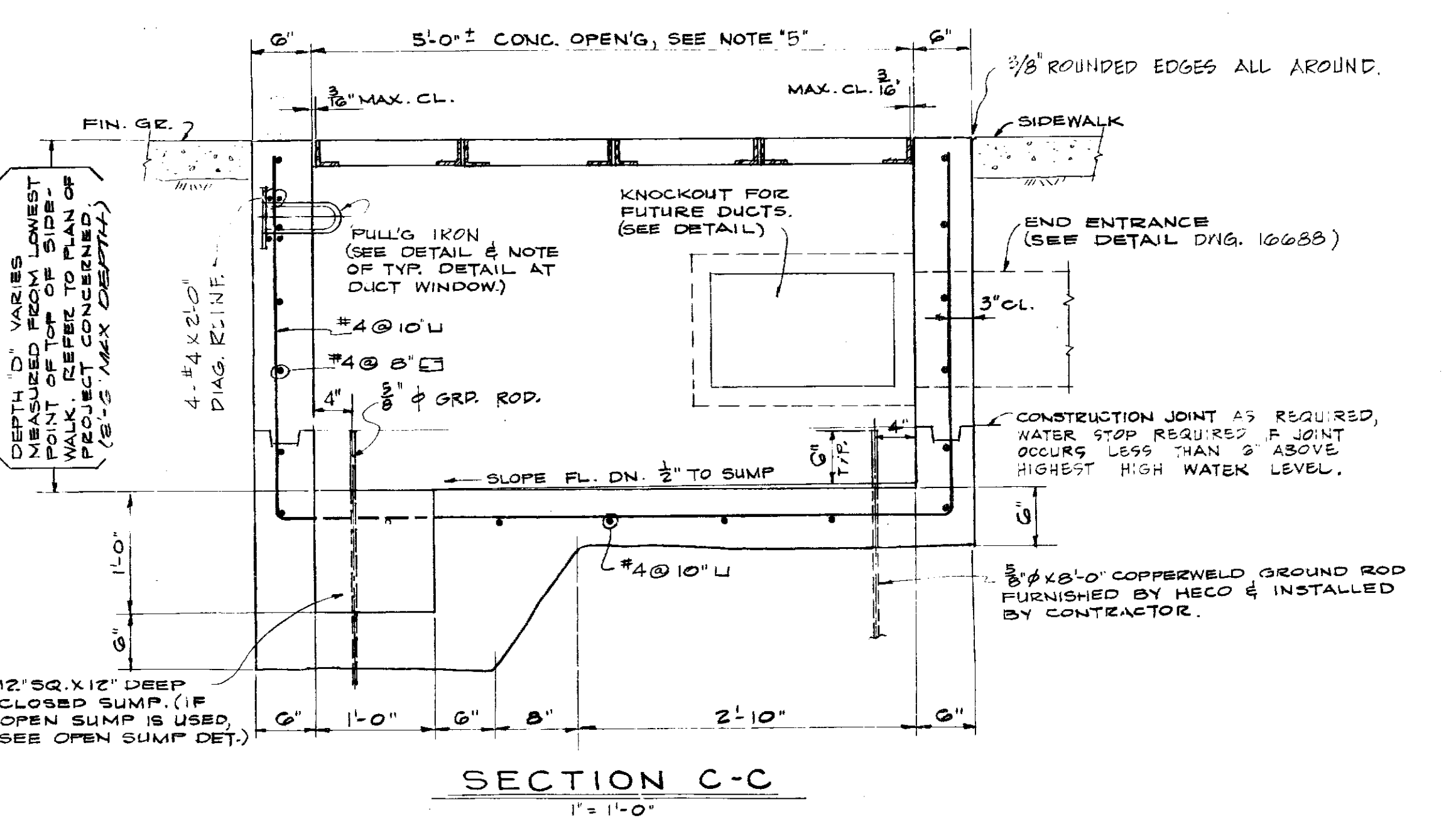
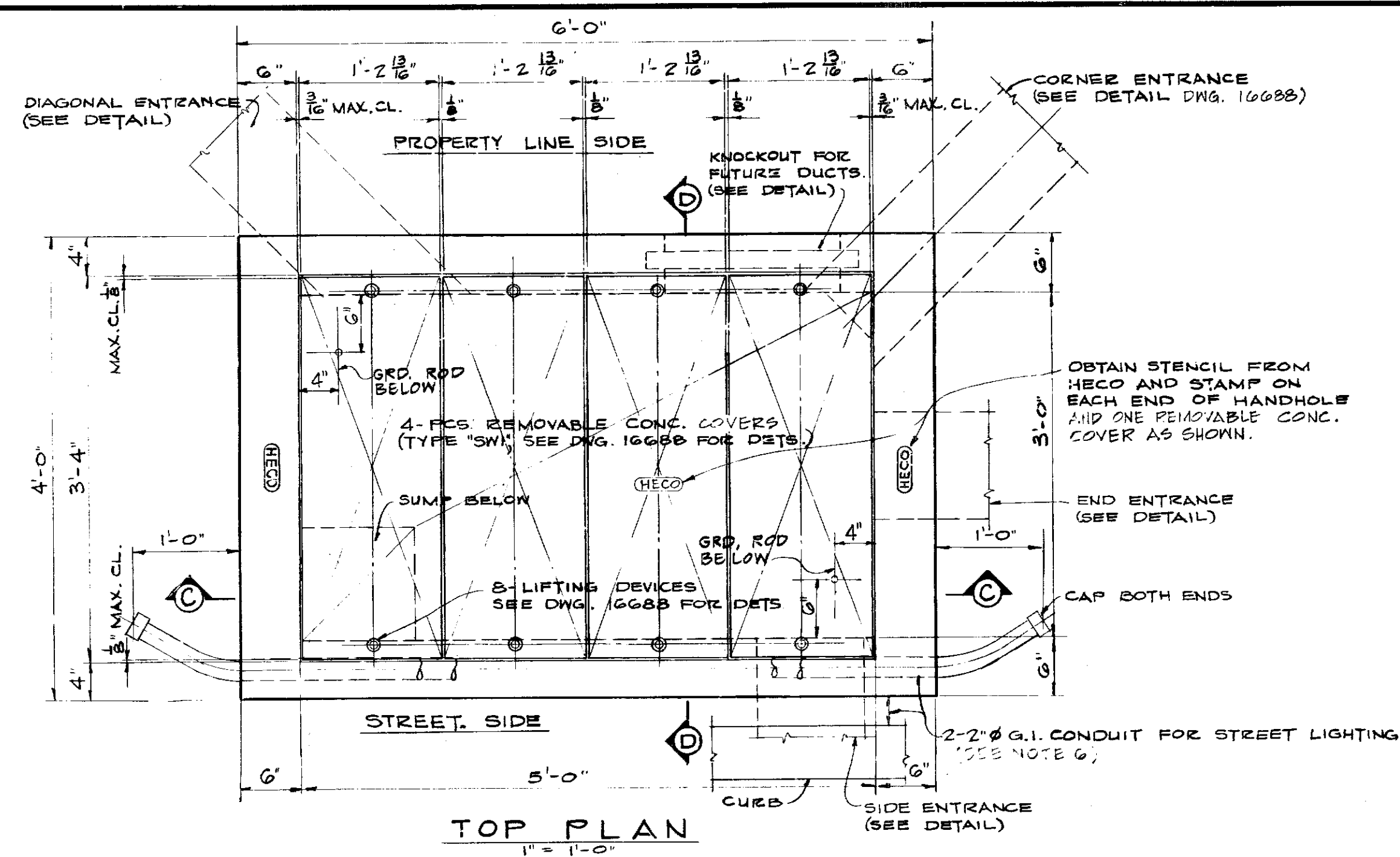
WEIGHT PER REMOVABLE CONC. COVER
 CONCRETE = 142 LBS.
 REINF. STEEL = 6 LBS.
 MISC. STEEL = 116 LBS.
 TOTAL 264 LBS.

MATERIALS FOR 6" DEPTH OF 7" THICK WALL,
 CONCRETE = .20 CU. YDS.
 REINF. STEEL = 27 LBS.

CAUTION

FOR USE IN AREAS SUBJECT TO
 LIGHT VEHICULAR TRAFFIC.
 LIMITED TO VEHICLES UNDER A
 GROSS VEHICLE WEIGHT (GVW) = 16,000 LBS.
 EQUIVALENT MAX. WHEEL LOAD = 5000 LBS.

SECTION B-B
 1" = 1'-0"
HANDHOLE TYPE 35V (3'-0" x 5'-0")



MATERIAL QUANTITIES

QUANTITY OF MATERIALS FOR DEPTH "D" = 5'-6" MAX.
 TOTAL CONCRETE = 2.05 CU. YDS.
 TOTAL REINF. STEEL = 300 LBS.
 TOTAL MISC. STEEL = 157 LBS.

WEIGHT PER REMOVABLE CONC. COVER
 CONCRETE = 118 LBS.
 REINF. STEEL = 4 LBS.
 MISC. STEEL = 37 LBS.
 TOTAL 159 LBS.

MATERIALS FOR 6" DEPTH OF 6" THICK WALL.
 CONCRETE = 0.17 CU. YDS.
 REINF. STEEL = 19 LBS.

SECTION D-D
 1" = 1'-0"
HANDHOLE TYPE 35 (3'-0" x 5'-0")
 FOR USE IN AREAS NOT SUBJECT
 TO VEHICULAR TRAFFIC.

NOTES:

- FOR GENERAL NOTES AND MISCELLANEOUS HANDHOLE DETAILS, SEE DWG. 16688 (2 SHEETS).
- FOR DUCT ENTRANCES, DEPTH AND LOCATIONS OF PULLING IRONS, SEE HANDHOLE DEVELOPMENTS OF PROJECT CONCERNED.
- SEE PROJECT DRAWINGS FOR LOCATION OF HANDHOLE CONCERNED.
- TOP OF HANDHOLE SHALL MATCH NEW AND/OR EXISTING GRADES UNLESS OTHERWISE SHOWN OR NOTED ON PLANS OF PROJECT CONCERNED.
- MAXIMUM CLEARANCE BETWEEN REMOVABLE COVERS AND CONCRETE OPENING AT THE SUPPORTS MUST BE KEPT. CONCRETE CONTRACTOR SHALL MEASURE COVER SLAB STEEL FRAME AFTER FABRICATION TO OBTAIN PROPER CLEARANCES. ANY VARIATION IN CLEARANCES SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AT CONTRACTOR'S EXPENSE.
- 2'-2" G.I. CONDUIT FOR STREET LIGHTING TO BE INSTALLED ONLY WHEN OUTSIDE FACE OF HANDHOLE WALL IS LESS THAN 3" FROM CURBING.

THIS DRAWING SUPERSEDES
 DWG. 18841 DATED 8-3-61 AND
 DWG. 18846 DATED 7-3-61

KALANIANA'OLE HIGHWAY WIDENING PHASE I

3	2-24-81	REMOVE H.H. NECK TO ACCOMMODATE FUTURE COMPOSITE COVERS ON H.H. TYPE 35V & ADDED NOTE Q.	RG	150	101
2	5-31-77	ADDED NOTES AND CHANGED PULLING IRON INSERTS TO PULLING IRONS	RG	90	111
1	11/7/73	ADDED MAX. DEPTH			141
NO.	DATE	REVISIONS	BY	CHKD	APPD

HANDHOLES, TYPE 35 & 35V (3'-0" x 5'-0") UNDERGROUND STANDARDS

DESIGNED	By Chen	DRAWN	By	DATE	7/15/71	SCALE	AS NOTED
CHECKED	ELEC. MECH. ETRUC.						
APPROVAL	By [Signature]						
ENGINEERING DEPARTMENT HAWAIIAN ELECTRIC CO., INC. HONOLULU, HAWAII				DRAWING NUMBER 18841			