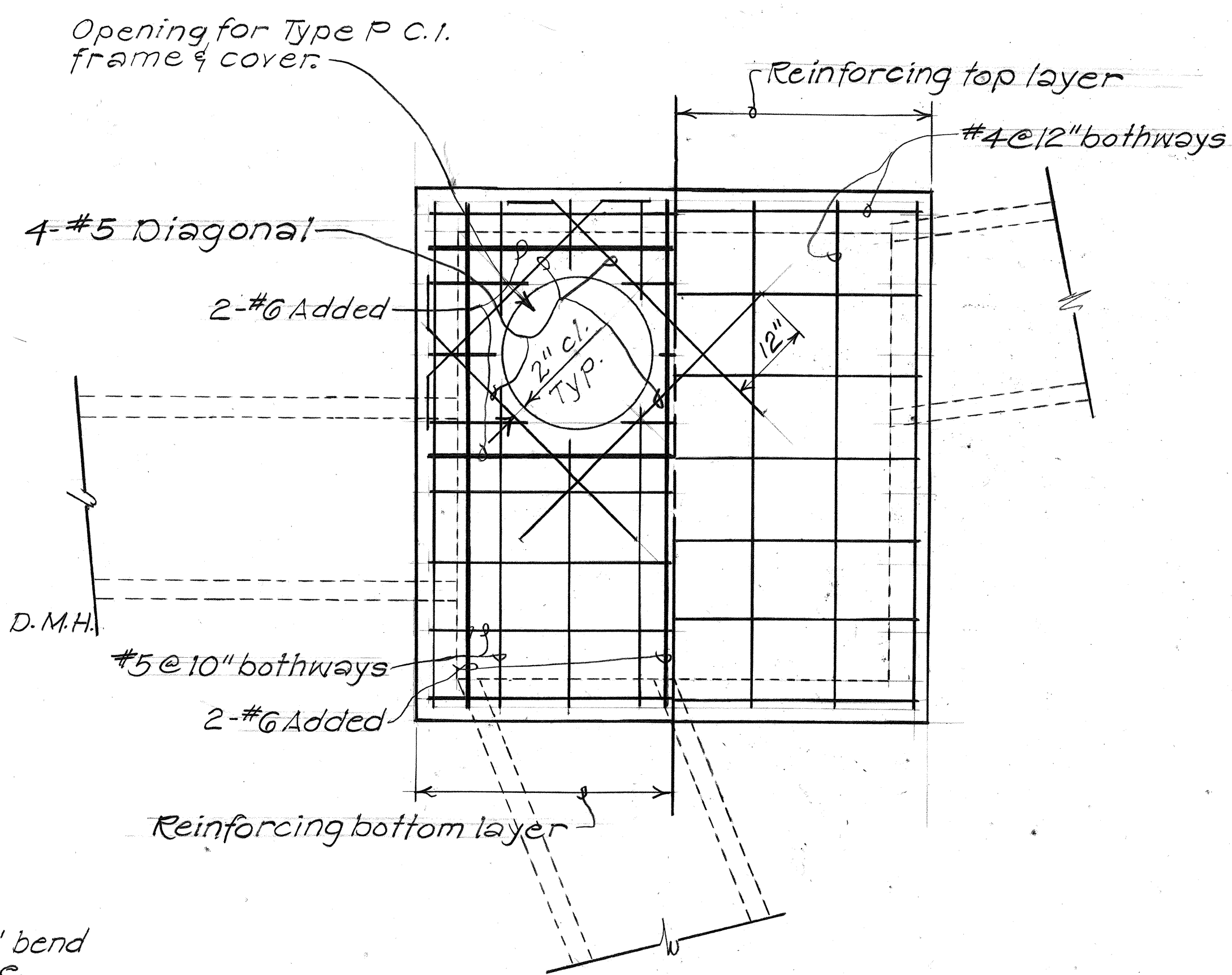
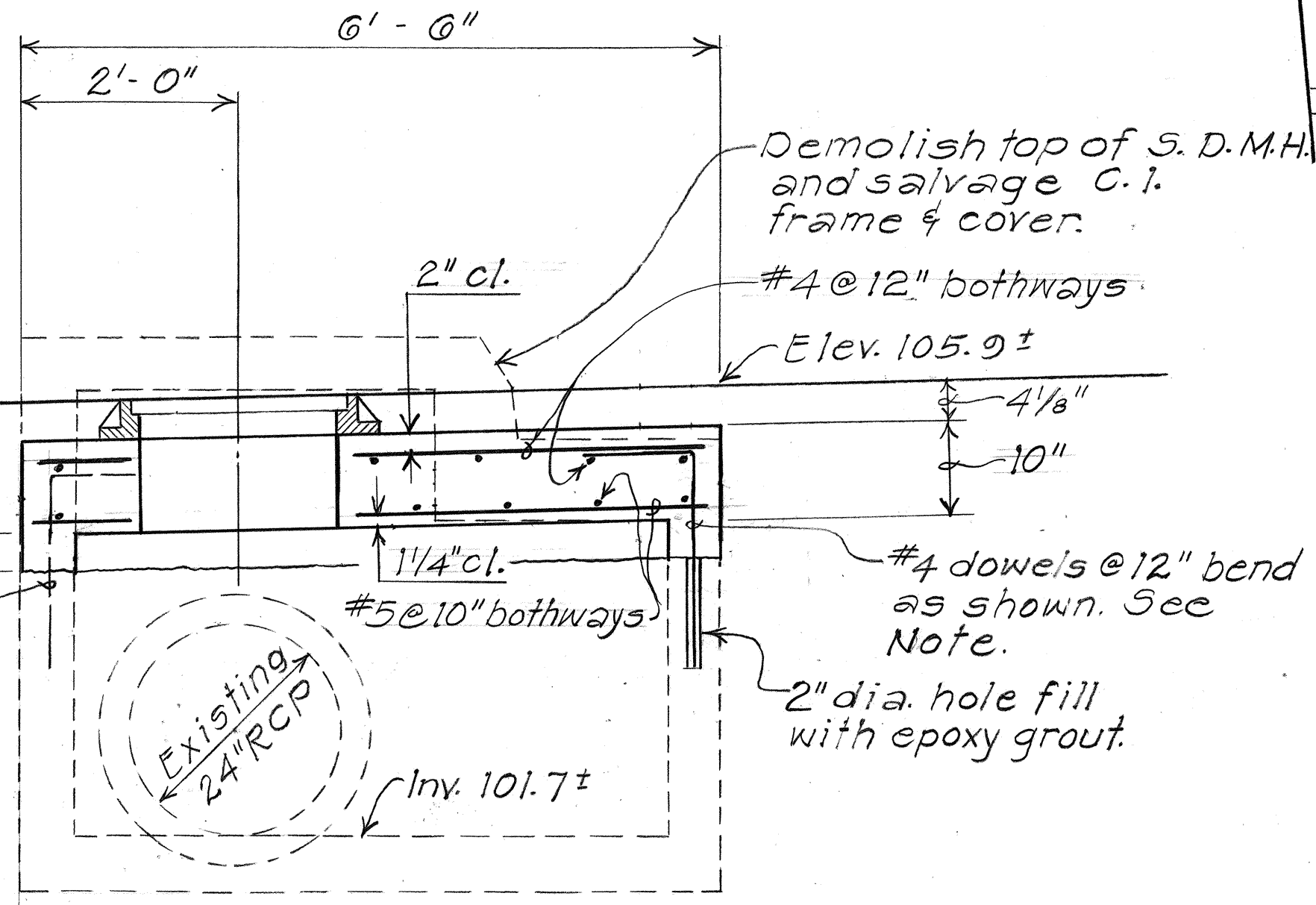
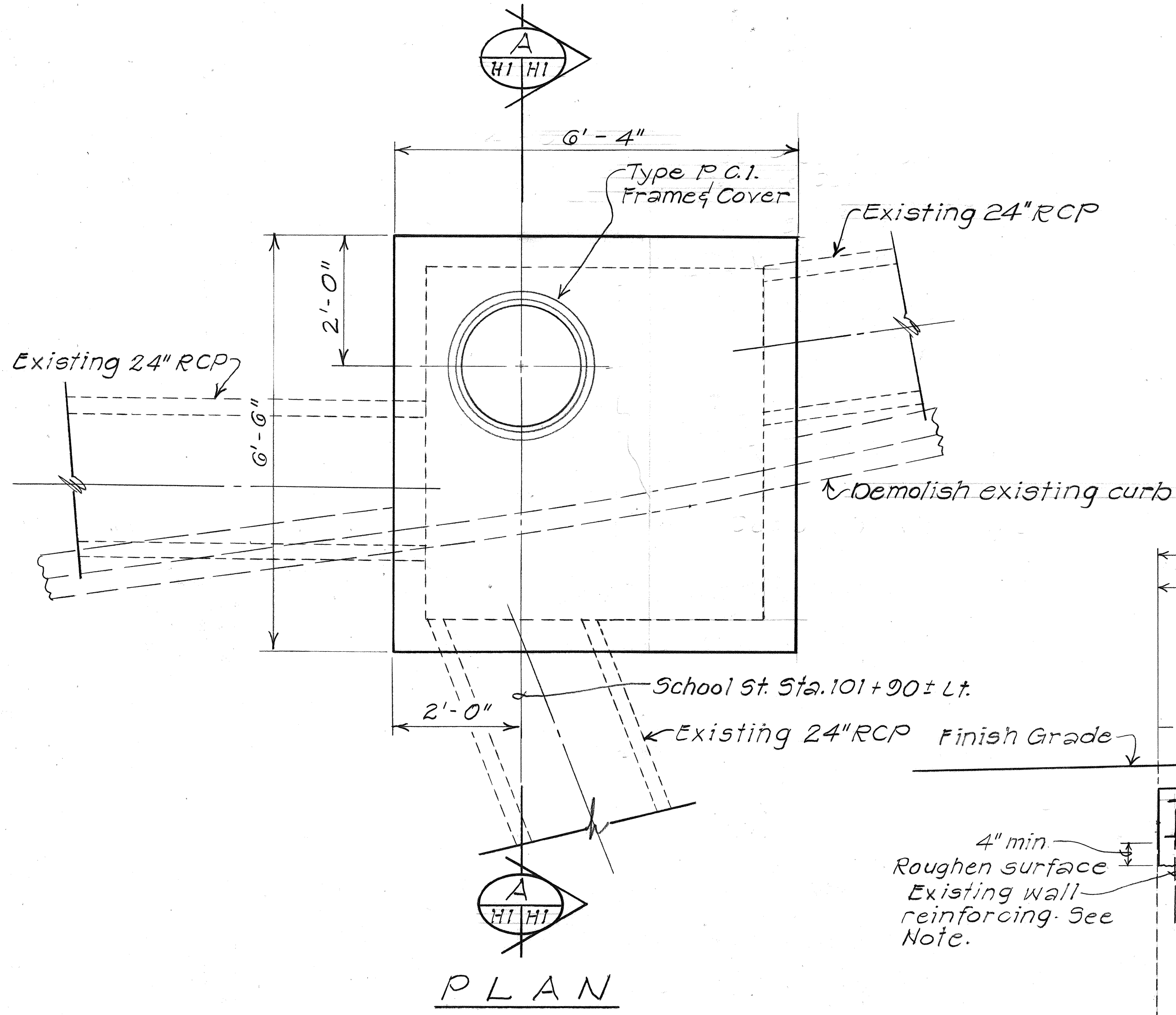


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HE5-063-1(18)	1989	C.O.G	18



PLAN VIEW OF REINFORCING STEEL

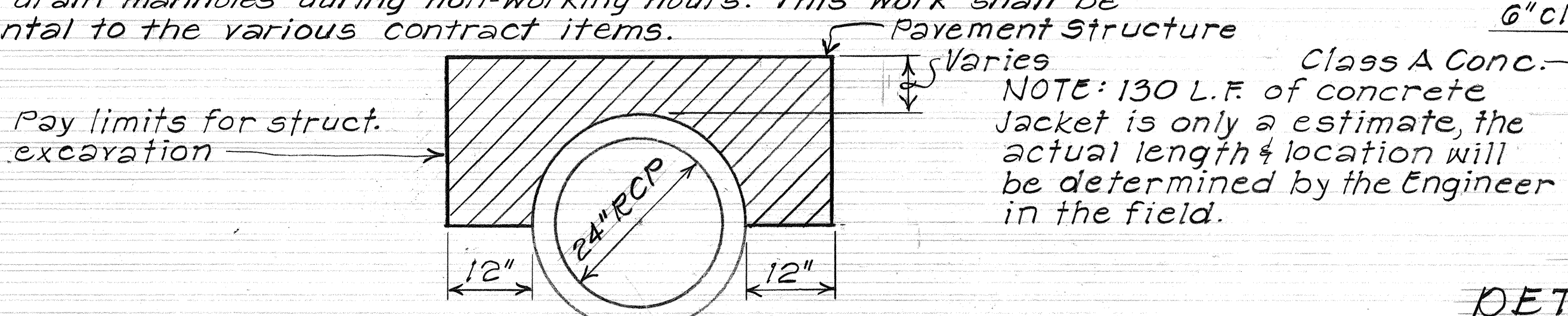
GENERAL NOTES:

- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various contract items.
- Demolishing, removing and disposing a portion of the existing structure shall not be paid for separately, but shall be considered incidental to the various contract items.
- Concrete shall be Class A unless otherwise noted.
- Chamfer all exposed concrete edges 1".
- Only non-pneumatic type of drill as approved by the engineer will be permitted for drilling holes in concrete. Where indicated on plans, the approximate diameter of drilled holes for installation of dowels shall be 2"; and voids after installing dowels shall be filled with epoxy grout as directed by the Engineer. The work mentioned above shall be considered incidental to the various contract items.
- Salvaged C.I. frame and covers shall be cleaned, painted, and returned to 727 Kakoi St., Honolulu, Hawaii 96819.
- For A.C. Pavement Restoration Detail, see Plan Sht. No. 3.
- The Contractor shall provide a non-skid plate over partially demolished storm drain manholes during non-working hours. This work shall be incidental to the various contract items.

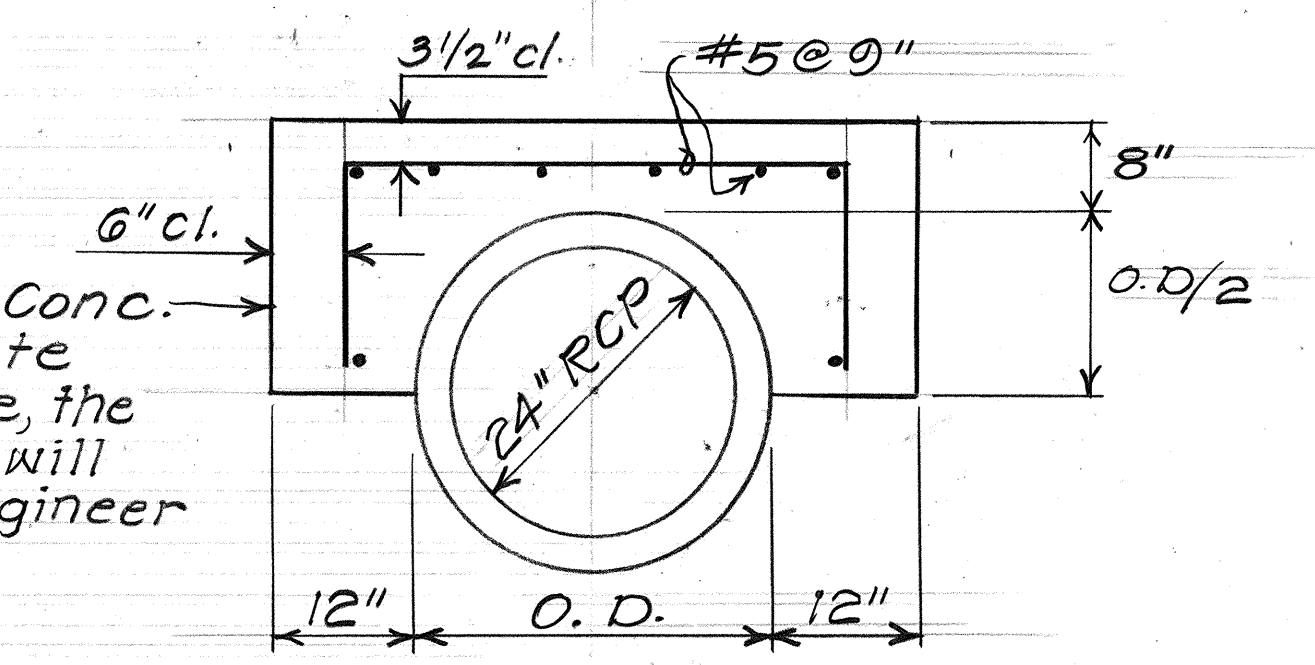
Note: Extend existing wall reinforcing into new slab as shown. If no wall reinf. exists, place #4 dowels 12" o.c. thruout interface except over pipe culverts. Use centered 1" dia. holes, 12" deep and fill with epoxy grout.

SECTION A-A

DETAIL OF STORM DRAIN MANHOLE AT SCHOOL ST. STA. 101+90± LT.



STRUCTURAL EXCAVATION LIMITS



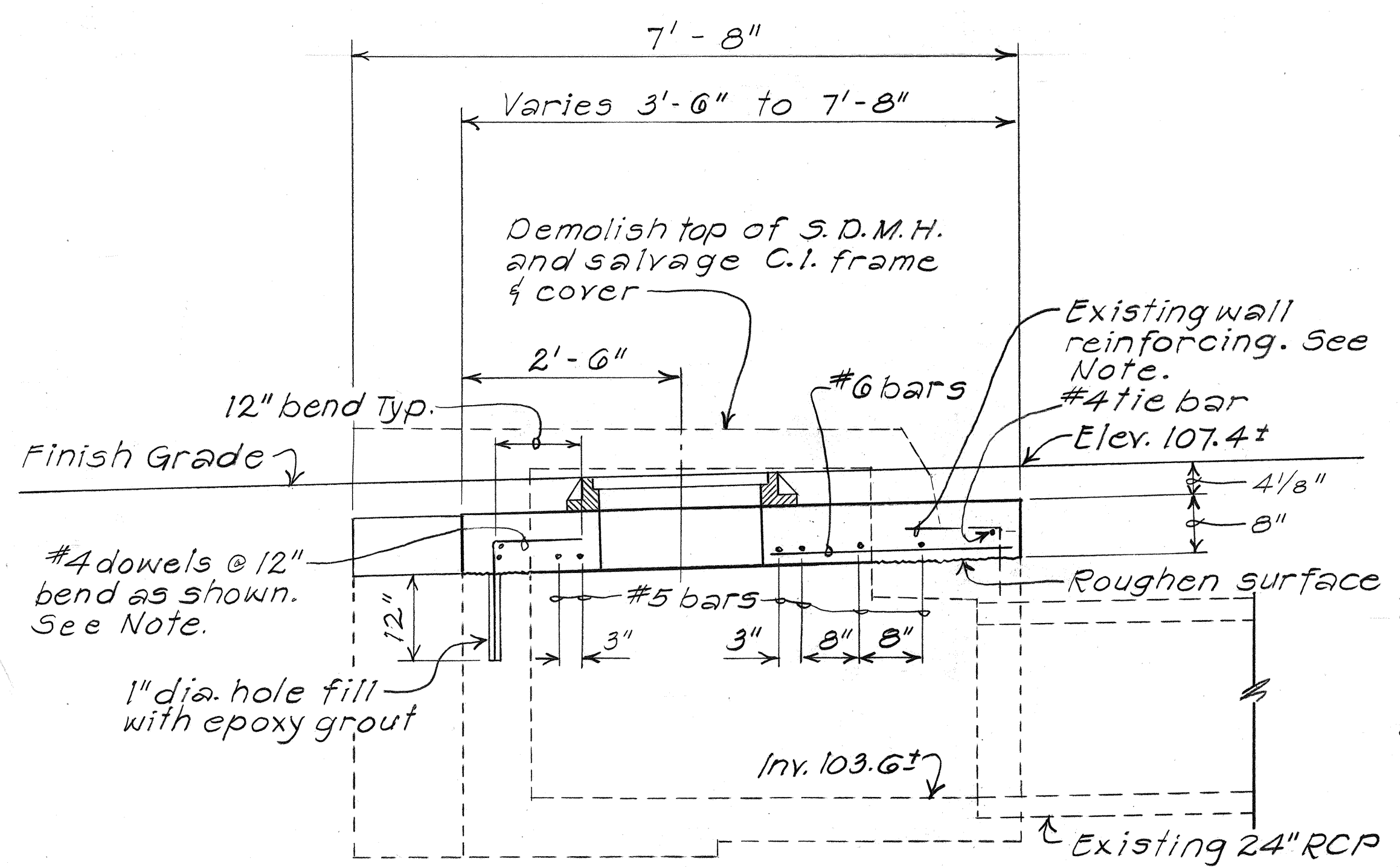
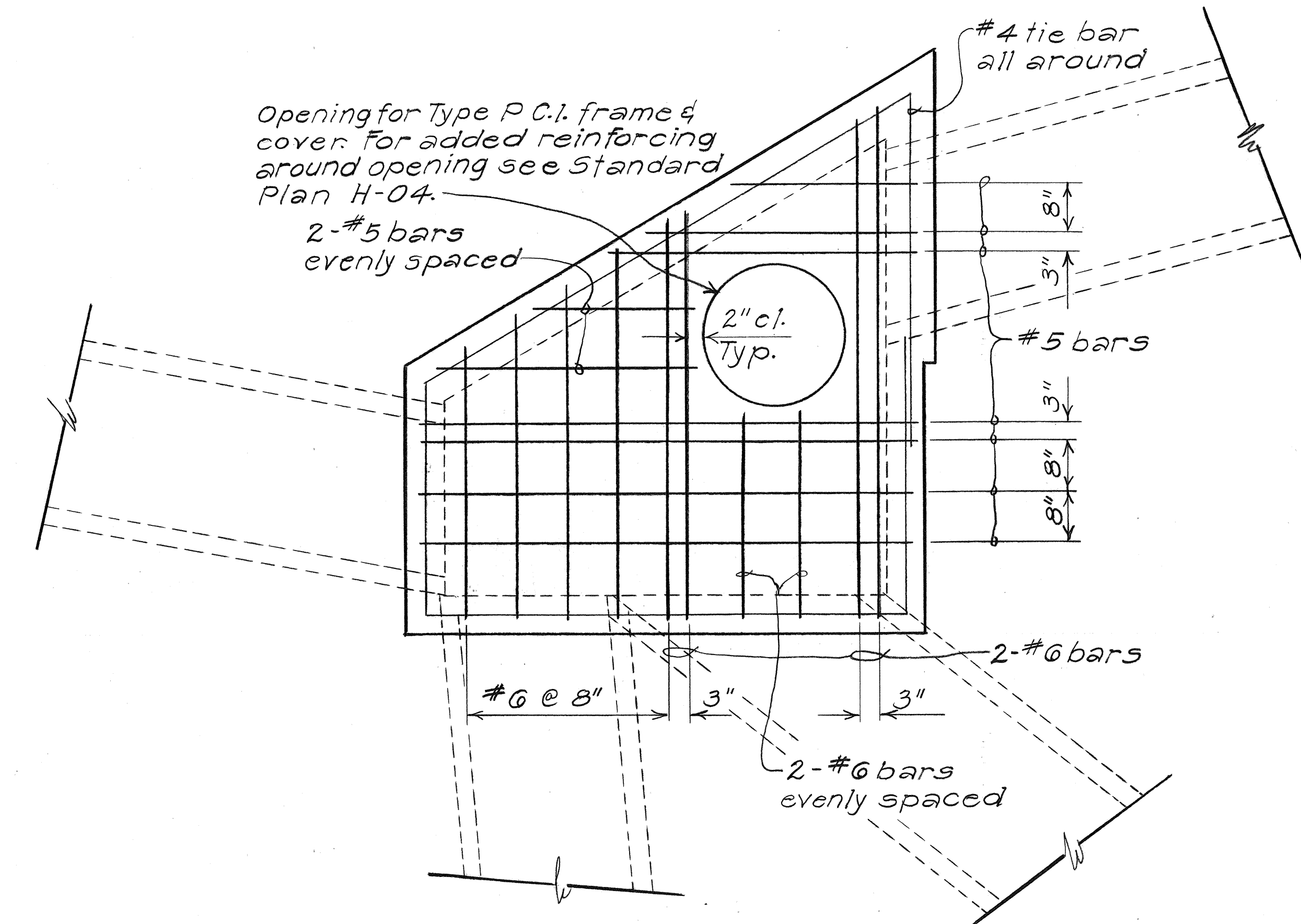
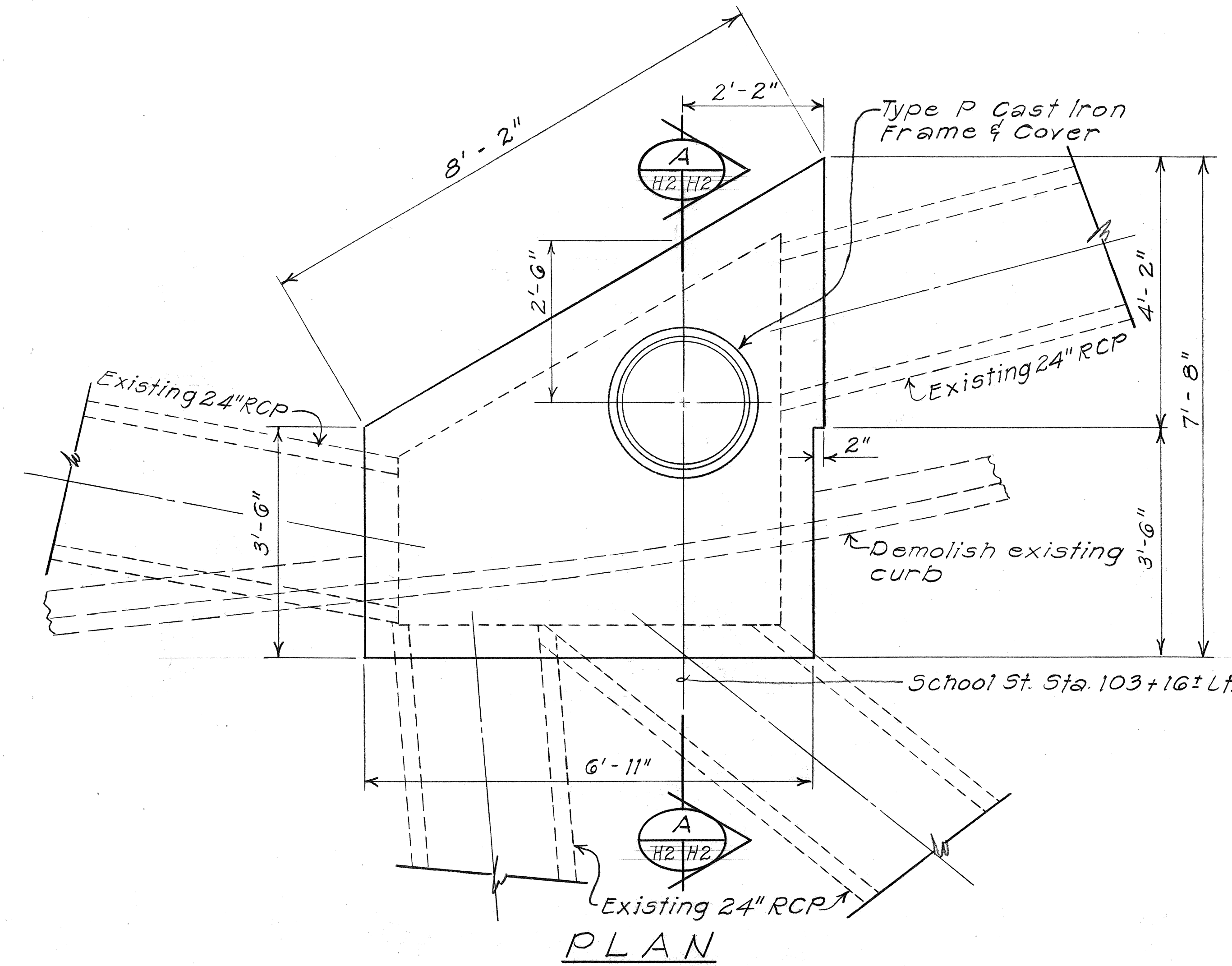
DETAIL OF CONCRETE JACKET

09/28/90	Change size of top slab and spacing of reinforcing steel
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE DETAIL
LIKELIKE HIGHWAY INTERSECTION
IMPROVEMENTS AT NO. SCHOOL ST.
F.A. Proj. No. HE5-063-1(18)

Scale: 3/4"=1'-0" Date: Dec. 1989
SHEET No. H1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HE5-063-1(18)	1989	7	13



Note: Extend existing wall reinforcing into new slab as shown. If no wall reinf. exists, place #4 dowels 12" o.c. thruout interface except over pipe culverts. Use centered 1" dia. holes, 12" deep and fill with epoxy grout.

DETAIL OF STORM DRAIN MANHOLE AT SCHOOL ST. STA. 103+16± LT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAIL

LIKELIKE HIGHWAY, INTERSECTION IMPROVEMENTS AT NO. SCHOOL ST.

F.A. Proj. No. HE9-063-1(18)

Scale: 3/4" = 1'-0" Date: Dec. 1989

SHEET No. H2 OF 2 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	