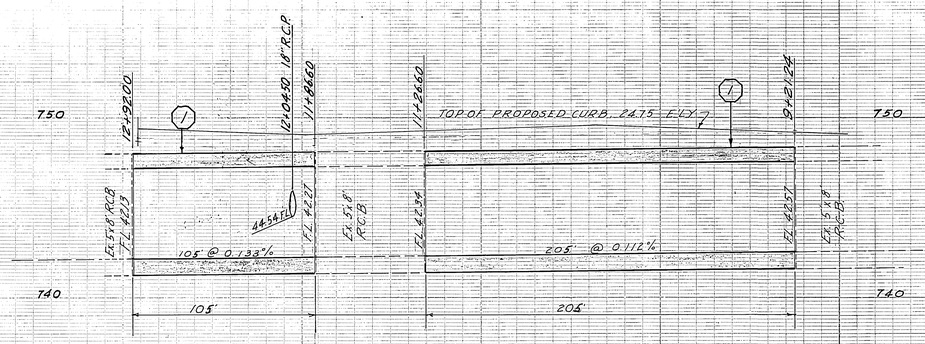
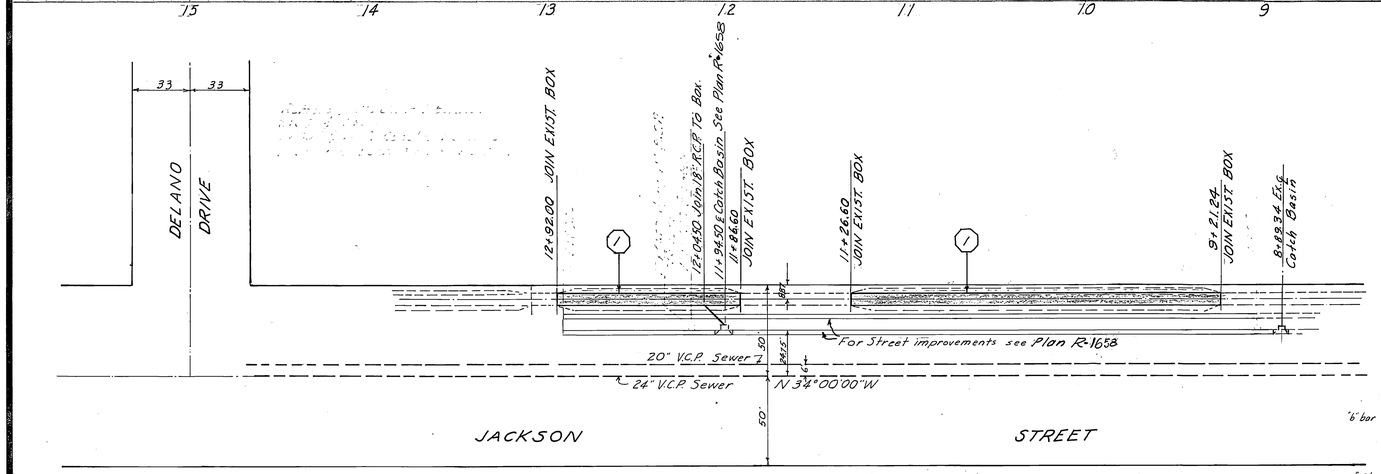
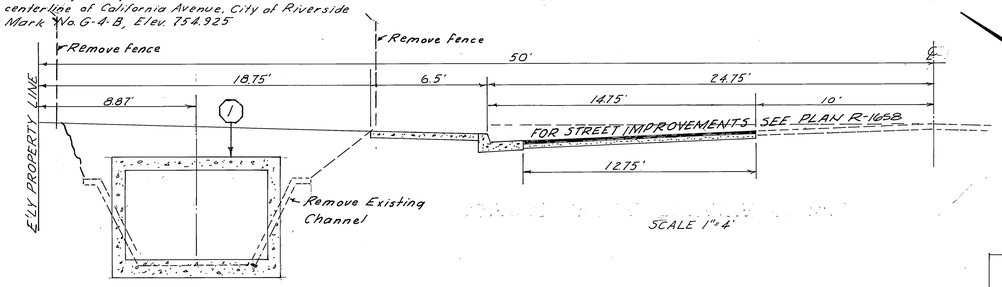
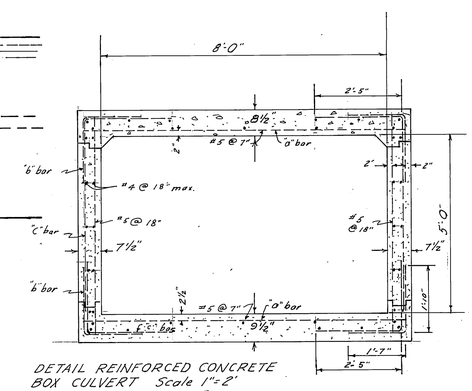




Bench Mark: Top of brass disk in capped monument 10' Northwesterly along centerline of Monroe Street from centerline of California Avenue, City of Riverside Bench Mark No. G-4-B, Elev. 754.925



SCALE 1"=4'



DETAIL REINFORCED CONCRETE BOX CULVERT Scale 1"=2'

MATERIAL SCHEDULE

"a" bar	#5 @ 7"	Length	7'-8"
"b" bar	#5 @ 7"	Length	3'-5"
"c" bar	#5 @ 7"	Length	7'-10"
c' bar	#5 @ 7"	Length	4'-5"
d bar	5 Top Slab, 3 Bot. Slab		
e bar	@ 18"	32 required	

Cubic yards conc. / ft. = .74

Reinforcing bars / ft. = 159 lbs.

STRUCTURAL NOTES

1. DIMENSIONS FROM FACE OF CONCRETE TO STEEL ARE TO CENTER OF BAR UNLESS OTHERWISE SHOWN.
2. LONGITUDINAL STEEL SHALL BE CONTINUOUS AND EXTEND THROUGH ALL CONSTRUCTION JOINTS AND SHALL BE LAPPED 30 DIAMETERS AT SPLICES.
3. ALL BAR BENDS AND HOOKS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE "MANUAL OF STANDARD PRACTICE.
4. ALL CONSTRUCTION JOINTS IN BOTTOM SLAB, TOP SLAB, AND SIDE WALLS SHALL BE IN THE SAME PLANE. NO STAGGERING OF JOINTS WILL BE PERMITTED.
5. THE WALLS AND TOP SLAB MAY BE POURED MONOLITHIC, BUT AFTER WALLS HAVE BEEN POURED, A DELAY OF TWO HOURS SHALL BE MADE BEFORE POURING OF THE TOP SLAB IS STARTED.
6. ALL LONGITUDINAL BARS SHALL BE #4. SPACING SHALL BE 18" c.c. UNLESS OTHERWISE SHOWN. BARS IN TOP AND BOTTOM SLABS SHALL BE SPACED SYMMETRICALLY ABOUT THE CENTER LINE. BARS IN WALLS SHALL BE SPACED SYMMETRICALLY ABOUT MID-HEIGHT OF THE WALLS.
7. REMOVE ALL CONCRETE ABOVE THE TOP SLAB OF THE EXISTING CONCRETE BOX CULVERT.

CONSTRUCTION NOTES

(1) CONSTRUCT 8'x5' R.C.B. PER SECTION ON THIS SHEET, AND PER STATE STD. D-80-1.

GENERAL NOTES

CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1970 EDITION AND PER CITY OF RIVERSIDE STANDARD DRAWINGS.

Plan Prepared in the Office of
Lloyd D. Paulsen
Civil Engineer
17535 Napa St. Northridge
Calif. 91324 213-349-2157
Lloyd D. Paulsen C # 9863

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		3/1
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGR.		3/2

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE: 3-27-73

STORM DRAIN PLAN AND PROFILE
JACKSON STREET BETWEEN CALIFORNIA AVENUE AND DELANO DRIVE
FOR C-14-678

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. D-250

SHEET 1 OF 1

FILE NO.