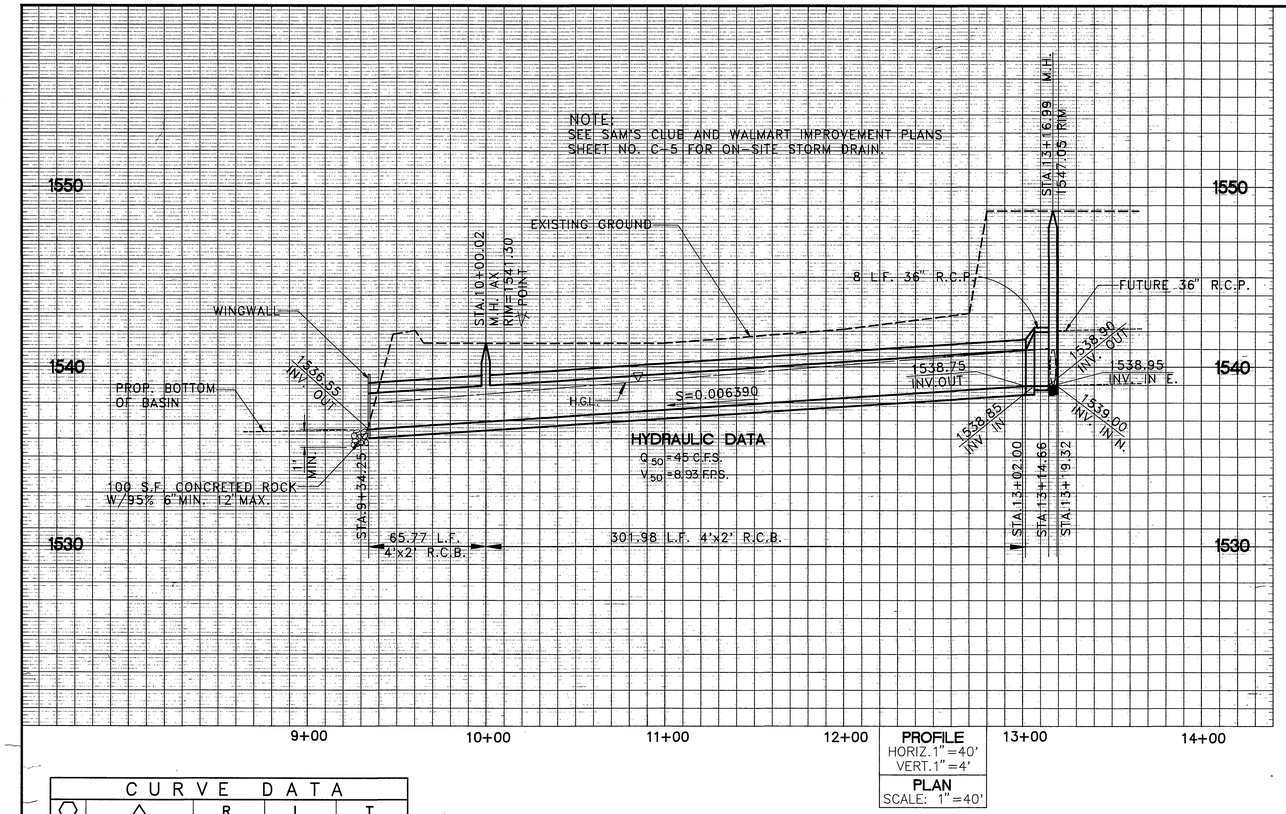
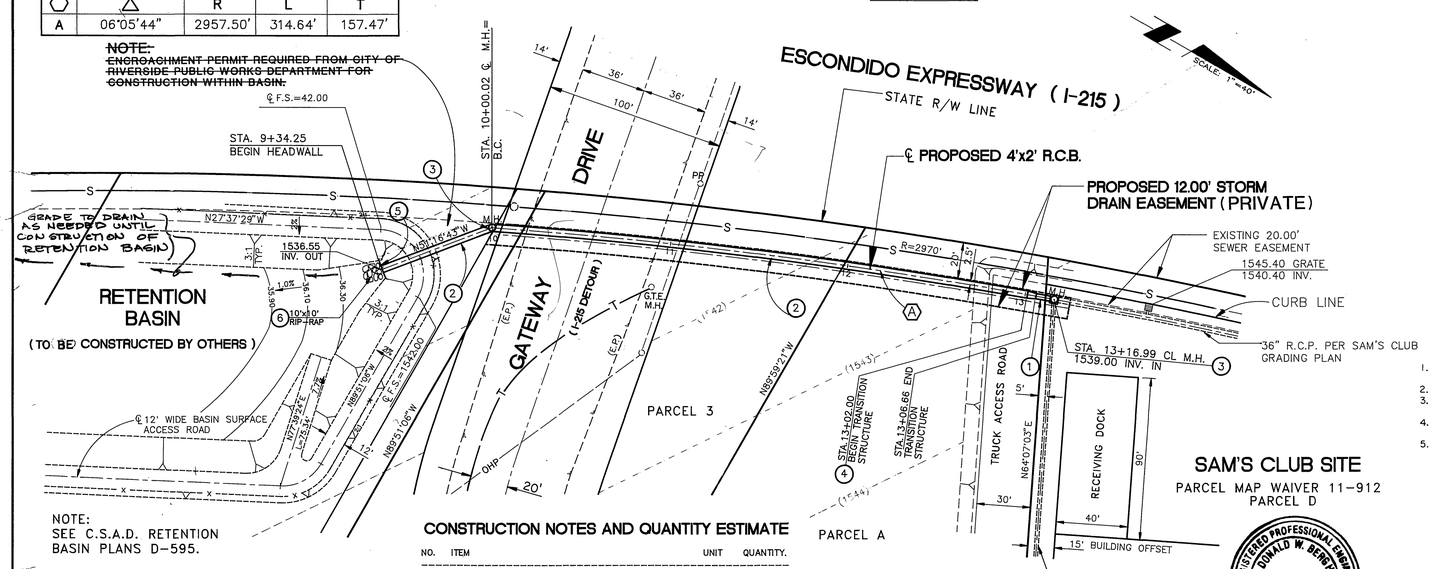


PROFILE
HORIZ. 1" = 40'
VERT. 1" = 4'

PLAN
SCALE: 1" = 40'

CURVE DATA				
⬡	△	R	L	T
A	06°05'44"	2957.50'	314.64'	157.47'

~~NOTE:~~
~~ENCROACHMENT PERMIT REQUIRED FROM CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT FOR CONSTRUCTION WITHIN BASIN.~~



NOTE:
SEE C.S.A.D. RETENTION
BASIN PLANS D-595.

40 0 40 80 120
SCALE IN FEET

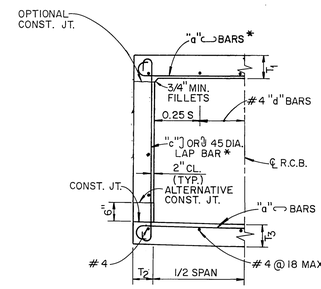
CONSTRUCTION NOTES AND QUANTITY ESTIMATE

NO.	ITEM	UNIT	QUANTITY.
1	INSTALL 36" R.C.P. (D-1250)	LF	8
2	INSTALL 4'x 2' R.C.B. PER CALTRANS STD. D80 AND DETAILS HEREON.	LF	368
3	INSTALL MANHOLE AX PER CITY OF RIVERSIDE STD. DWG. NO. 430.	EA	2
4	CONSTRUCT TRANSITION STRUCTURE NO. 1 PER R.C.F.C.D. STD'S. AND DETAILS HEREON.	EA	1
5	CONSTRUCT STRAIGHT WINGWALL TYPE "D" PER CALTRANS STD. D85 AND DETAILS HEREON.	EA	1
6	CONSTRUCT CONCRETED ROCK "BLANKET", 1.0' IN DEPTH WITH 10' WIDTH AND 10' LENGTH.	LS	1

BENCH MARK: RIV. CO.:B.M.

BRASS DISK MARKED 600-47-58, IS 1.7 MILES NW ALONG THE AT & SF RAILWAY FROM THE STATION @ MARCH FIELD, SET BETWEEN THE TRACK AND INTERSTATE 215, 64.5' SW OF THE SW EDGE OF THE HIGHWAY, 43.6' NE OF THE NE RAIL OF TRACK, 20' SE OF POST, IRON B.M. DISK SET ON TOP OF A CONCRETE POST 0.4' ABOVE THE GROUND.

ELEVATION = 1536.119



* IT IS PERMISSABLE TO ELIMINATE THE 180° HOOKS ON EVERY OTHER BAR.

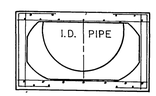
TYPICAL SECTION

SPAN			'	4
HEIGHT			'	2
MAXIMUM EARTH COVER			'	10
CONC.	ROOF	T_1	"	7
	WALLS	T_2	"	6
	INVERT	T_3	"	6
QUAN. REINF.	SPACING		"	7
	"a"	SIZE BAR#		6
	"c"	SIZE BAR#		4
	CONCRETE		CF / LF	7.4
	REINFORCEMENT		LBS / LF	48

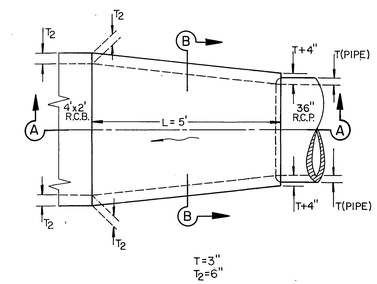
NOTE: QUANTITIES ARE APPROXIMATE AND FOR DESIGN PURPOSES ONLY.

4'x 2' BOX CULVERT DETAIL (2)

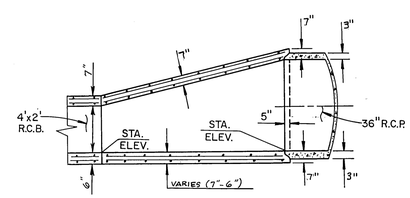
N.T.S.



SECTION B-B



PLAN

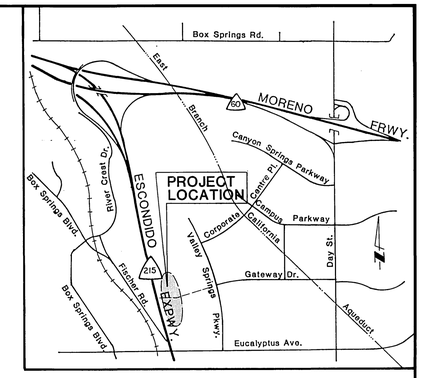


SECTION A-A

TRANSITION STRUCTURE NO.1 DETAILS (4)

N.T.S.

1. Reinforcing steel bar sizes, spacing, pattern and cover over the steel shall be that of the box section. The bar lengths shall vary uniformly throughout the transition.
2. The interior surface shall be smooth and vary uniformly between the two adjoining sections.
3. Construction joints of the same dimensions as those of the box may be carried through the transition structure at contractor's option. See Sec. B-B above.
4. The transition structure shall be constructed in accordance with the general structure notes applying to box as shown on the project drawings.
5. Structure concrete shall be Class "A".

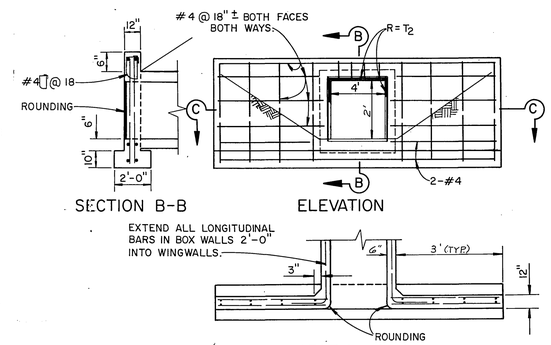


VICINITY MAP

N.T.S.

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD DRAWING NO. 10 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
3. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
5. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
6. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-422-4133, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
7. BEFORE THE RIP RAP IS ACCEPTED, AS PLACED, AT THE OUTLET OF ANY DRAINAGE STRUCTURE, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.



TYPE "D" STRAIGHT WINGWALL DETAILS (5)

N.T.S.

REGISTERED PROFESSIONAL ENGINEER
DONALD W. BERGH
NO. 28949
EXP. 3-31-95
CIVIL
STATE OF CALIFORNIA

Greiner
BUSINESS TAX CERT. NO. 102995
EXP. DATE: 7-1-92

Greiner, Inc.
5225 Canyon Crest Drive
Building 200, Suite 253
Riverside, California 92507-6323
(714) 788-7746
FAX: (714) 788-5002

PLANS PREPARED UNDER THE DIRECTION OF: DONALD W. BERGH

EXPIRATION DATE: 3-31-95 R.C.E. NO. 28949 DATE: 6-7-92

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: V.T. DRAWN BY: A.S. CHECKED BY: D.W.B.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	12/15/92	
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGINEER	12/17/92	
	12/15/92	

APPROVED BY: PUBLIC WORKS DIRECTOR
DATE: 12/21/92

AS BUILT 12/2/94

PRIVATE STORM DRAIN

CANYON SPRINGS

PARCEL MAP NO: 19617
C-15-912
SAM'S CLUB
PRIVATE OFF-SITE STORM DRAIN

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

ACCOUNT NO. D-613

SHEET 1 OF 1

INDEXED 1-14-93