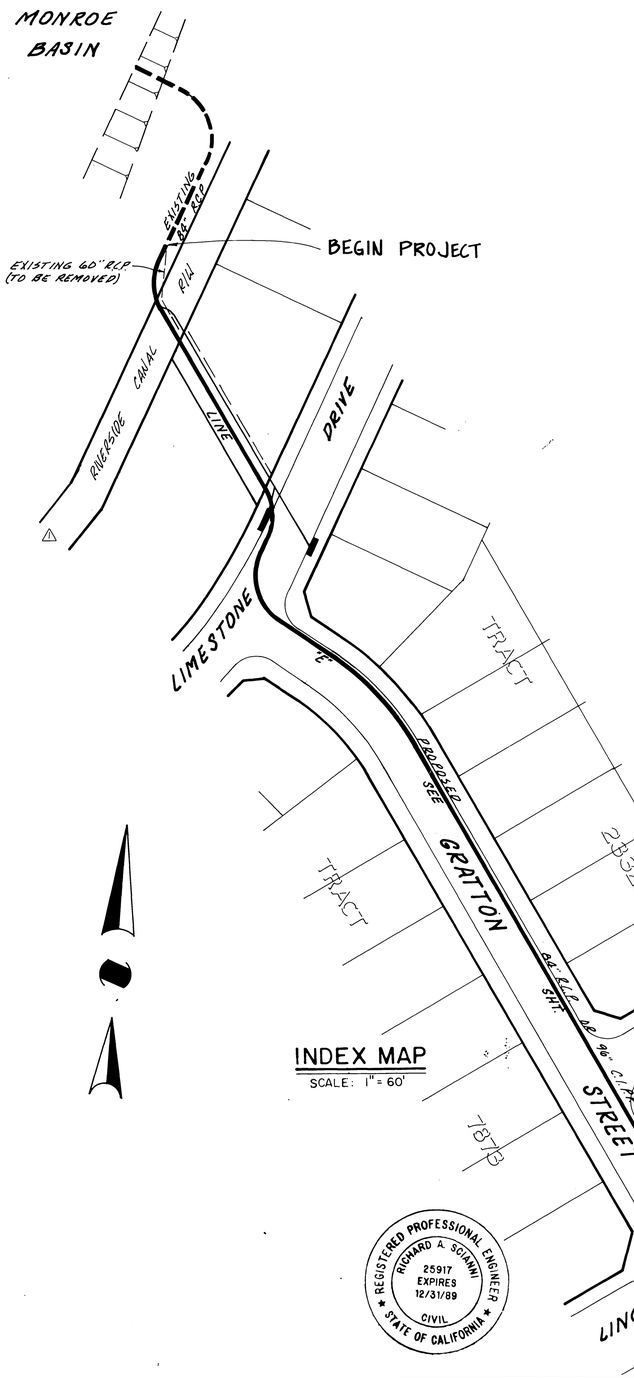
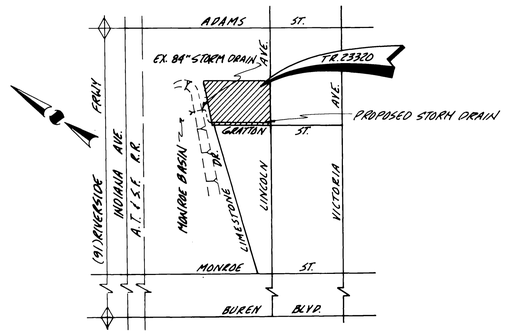
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT





VICINITY MAP
N.T.S.

INDEX

	SHEET NO.
TITLE SHEET	1
PLAN AND PROFILE	2

R.C.F.C. & W.C.D. STANDARD DRAWINGS

M 814 ABBREVIATIONS & SYMBOLS
M 815 BEDDING AND PAYLINES
M 807 SANITARY SEWER PROTECTION
CB 103 CATCH BASIN MANHOLE FRAME & COVER
JS 229 JUNCTION STRUCTURE NO. 4
CB 106 CATCH BASIN REINFORCEMENT
MH 252 MANHOLE NO. 2
MH 256 MANHOLE FRAME & COVER (PRESSURE)
MH 257 MANHOLE SHAFT
MH 259 STANDARD DROP STEP
M 816 CONCRETE BULKHEAD
CB 100 CATCH BASIN NO. 1.
LD 201 LOCAL DEPRESSION NO.2
M 803 CONCRETE COLLAR
JS 227 JUNCTION STRUCTURE NO. 2
TS 303 TRANSITION STRUCTURE NO. 3

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE IN FEET BASED ON U.S.C. & G.S. DATUM
2. NOTICE TO THE CONTRACTOR: THE EXISTENCE & LOCATION OF ANY UNDER GROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQ'D TO TAKE DUE PRECAUTIONARY MEASURES THE UTILITY LINES SHOWN OR ANY OTHER LINES NOT SHOWN ON THESE PLANS OR NOT OF RECORD.
3. CAST-IN-PLACE CONCRETE PIPE SHALL COMPLY WITH RIV. COUNTY FLOOD CONTROL DISTRICT STD. FOR C.I.P.P. WITH ABRASIVE MATERIALS IN THE FLOW. f'_c=5000 P.S.I., INV. THICKNESS TO BE 11" @ LOWER 120°
4. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE R.C.F.C. & WATER CONSERVATION DISTRICT. PROVISION & DETAIL SPECIFICATIONS DATED SEPT. 1984 AND DESIGN MANUAL STD. DRAWINGS DATED MAY 1971

CONSTRUCTION NOTES & QUANTITY ESTIMATES

(1)	CONSTRUCT 30" R. C. P. (D-2000)	40 L.F.
(2)	CONSTRUCT 84" R. C. P. (D-1250) OR 96" C.I.P.P.	964 L.F.
(3)	CONSTRUCT CATCH BASIN # 1 PER R.C.F.C. STD. CB 100	2 EA.
(4)	CONSTRUCT LOCAL DEPRESSION # 2 PER R.C.F.C. STD. L.D. 201	2 EA.
(5)	CONSTRUCT MANHOLE # 2 PER R.C.F.C. STD. MH 252 W/PRESSURE COVER	2 EA.
(6)	CONSTRUCT JUNCTION STRUCTURE # 4 PER R.C.F.C. STD. JS. 229	3 EA.
(7)	REMOVE BULKHEAD & JOIN EXISTING PIPE	1 EA.
(8)	CONSTRUCT CONCRETE BULKHEAD PER R.C.F.C. STD. M816 (MODIFIED)	1 EA.
(9)	CONSTRUCT 36" R. C. P. (D-1750)	180 L.F.
(10)	CONSTRUCT CONCRETE COLLAR PER R.C.F.C. STD. M 803	2 EA.
(11)	CONSTRUCT 48" C.M.P. x 16 GA.	20 L.F.
(12)	CONSTRUCT 18" R.C.P. CL. IV	10 L.F.
(13)	CONSTRUCT JUNCTION STRUCTURE # 2 PER R.C.F.C. STD. JS. 227	1 EA.
(14)	CONSTRUCT BROOKS DRAIN BOX PER DETAIL SHT. 2	1 EA.
(15)	CONSTRUCT TRANSITION STRUCTURE NO. 3 PER R.C.F.C. STD. TS303	1 EA.

SPECIAL NOTES

AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL. CONTACT HOWARD DICKERSON AT 714/787/6668. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT:
96" C.I.P.P.
OR 84" RCP FROM STATION 2+07 TO STATION 11+80 AS SHOWN ON SHEETS 2.

ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE MENTIONED MAINLINE PIPE.

REGISTERED PROFESSIONAL ENGINEER RICHARD A. SCIANNI 25917 EXPIRES 12/31/89 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER FRANK J. PEARS No. 21809 EXP. 3/30/89 CIVIL STATE OF CALIFORNIA

DATE 11/1/89

CSL ENGINEERING, INC. 119 MAPLE STREET SUITE N CORONA, CA 91720 (714) 737-8190	BENCH MARK F5F FOUND P.K. NAIL & CITY ENGINEERS TAG IN CONC. CURB ON S'LY SIDE OF DWY, N'LY SIDE OF ADAMS, 150± N'LY OF VICTORIA AVE. FIELD BOOK 739-79 EL. 896.317	REVISIONS: 1 SHOW RIVERSIDE CANAL R/W C.C. 11-30-88; REF. DESCRIPTION APPR. DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT. RECOMMENDED FOR APPROVAL BY: Frank J. Pears, PLANNING ENGINEER R.E. # 21809, DATE: NOV 10, 1988. APPROVED BY: Kenneth Edwards, CHIEF ENGINEER R.E. NO. 12400, DATE: 11-14-88	CITY of Riverside. APPROVED BY: DATE:	MONROE M.D.P. LINE "E" TRACT 23320 STA. 2+07.48 TO STA. 12+00.00	PROJECT NO. 1-0-073; DRAWING NO. 1-497; SHEET NO. 1 OF 2
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PREPARED UNDER THE SUPERVISION OF:
Richard A. Scianni 3-21-88
RICHARD A. SCIANNI RCE 25917 DATE

INDEXED 1-5-89 GH

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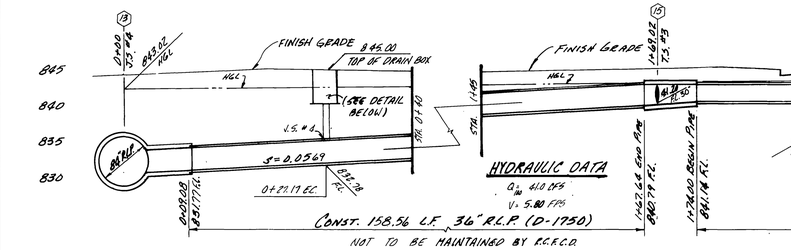
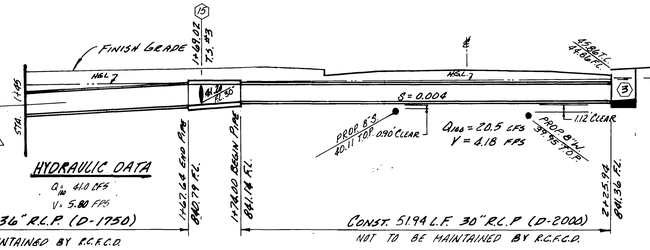
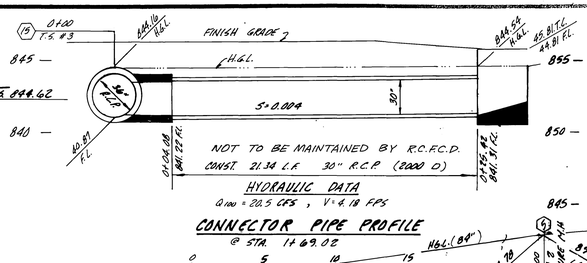
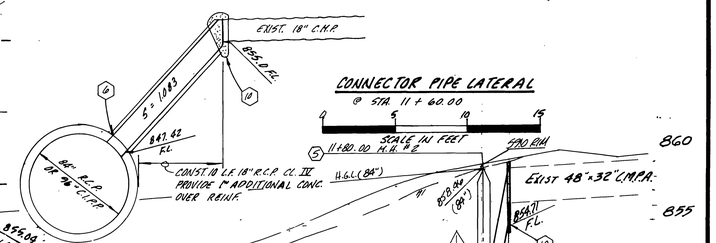
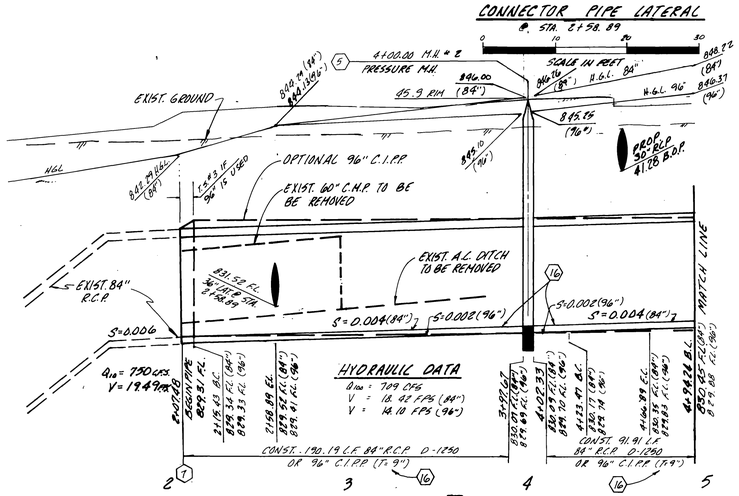
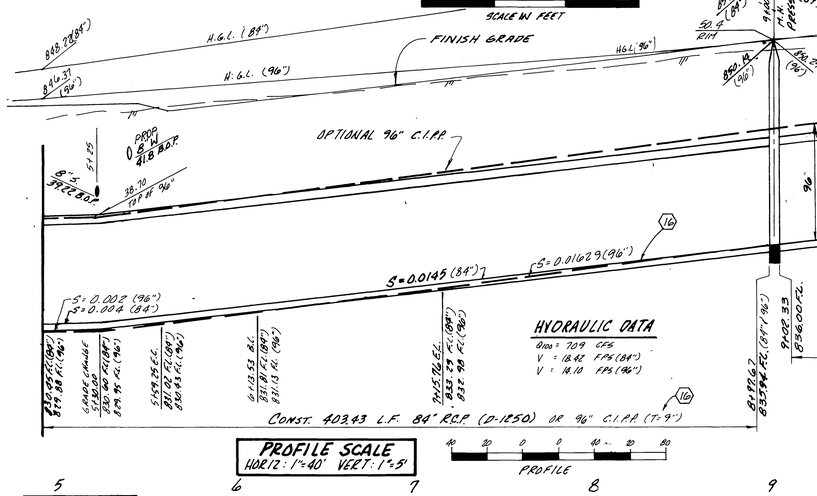


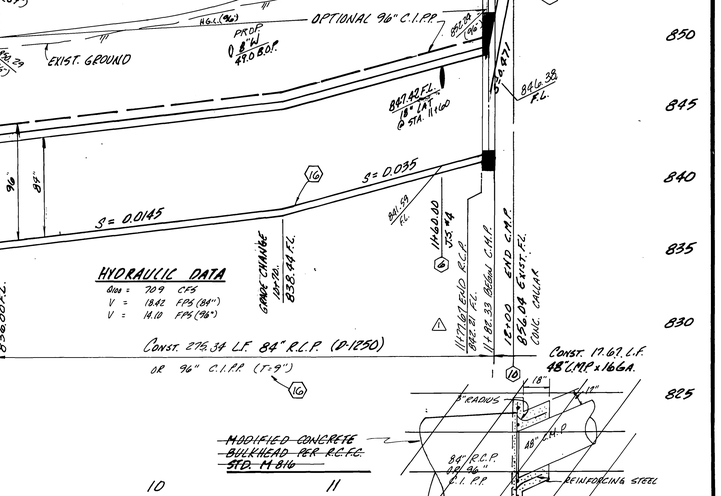


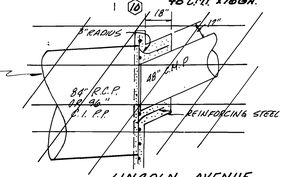


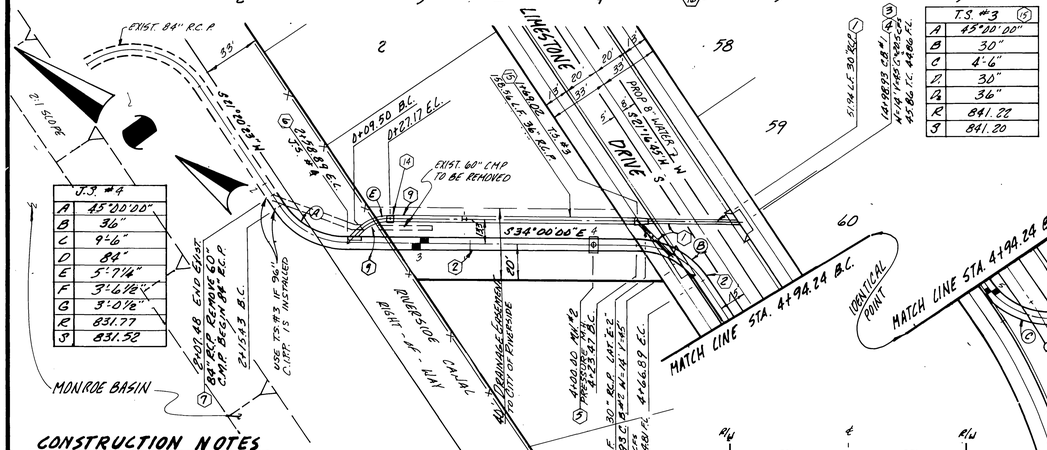








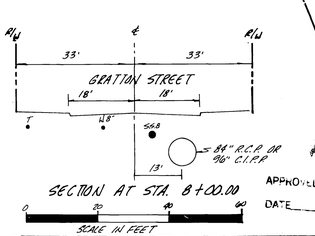




CONSTRUCTION NOTES

1. Const. 30" R.C.P. (D-2000).
2. Const. 84" R.C.P. (D-1250).
3. Const. C.B. #1 per R.C.F.C. Std. CB100.
4. Const. Local Depression per R.C.F.C. Std. LD201.
5. Const. M.H. #2 per R.C.F.C. Std. MH 252. w/ Pressure Cover & Shaft MH 253.
6. Const. J.S. #4 per R.C.F.C. Std. JS829.
7. Remove Bulkhead & Join Existing Pipe.
8. Const. Concrete Bulkhead per R.C.F.C. Std. M816.
9. Const. 36" R.C.P. (D-1750)
10. Const. Concrete Collar per R.C.F.C. Std. M803.
11. Const. 48" C.M.P. x 16 GA.
12. Const. 18" R.C.P. (CL III)
13. Const. J.S. #2 per R.C.F.C. Std. JS227.
14. Const. Drain Box Brooks #1212 per Detail this Sht.
15. Const. T.S. #3 per R.C.F.C. Std. TS303.
16. Increase invert thickness by 2" for lower 120°

RICHARD A. SCIANNI PROFESSIONAL ENGINEER 25917 EXPIRES 12/31/89 CIVIL STATE OF CALIFORNIA



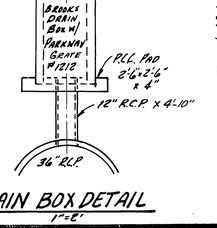
AS BUILT
APPROVED
DATE 11/1/89

FRANK J. PEARCE REGISTERED PROFESSIONAL ENGINEER No. 21809 EXP. 9/30/89 CIVIL STATE OF CALIFORNIA

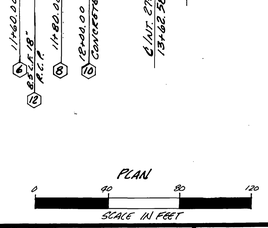
GRATTON ST.

CURVE DATA

	Δ	R	L	T
A	55°20'23"	45.00'	43.46'	23.60'
B	55°16'45"	45.00'	43.42'	23.57'
C	82°46'45"	45.00'	65.01'	39.66'
D	27°30'00"	213.00'	102.23'	52.12'
E	45°00'00"	22.50'	17.67'	9.32'



DRAIN BOX DETAIL
1"=5'



CITY OF RIVERSIDE WATER DEPARTMENT	APPROVED DATE
CSL ENGINEERING, INC. 119 MAPLE STREET SUITE N CORONA, CA 91720 (714) 737-8190	PREPARED UNDER THE SUPERVISION OF: Richard A Scianni 3-21-88 RICHARD A. SCIANNI R.C.E 25917 DATE
BENCH MARK: SEE SHT. 1	
REVISIONS: △ ADDED H.H. @ 11+80, SHOW CANAL R/W — REF — DESCRIPTION — APPR. — DATE 11/1/88	
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT — RECOMMENDED FOR APPROVAL BY: Frank J. Pearce, PLANNING ENGINEER R.E. # 21809, DATE NOV. 10, 1988 — APPROVED BY: Kenneth L. Edwards, CHIEF ENGINEER, DATE 11-14-88	
City of Riverside — APPROVED: — DATE:	
MONROE M.D.P. LINE "E" TRACT 23320 STA. 2+07.48 TO STA. 12+00.00	PROJECT NO. 1-0-073 — DRAWING NO. 1-497 — SHEET NO. 2 OF 2

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