MISSING SHEET

PROPOSED GRADE OVER STORM DRAIN

PROPOSED INVERT ELEV. OF STORM DRAIN PIPING

PROPOSED GRADE OVER STORM DRAIN

PROPOSED GRADE OVER STORM DRAIN

PROP. INVERT ELEV. OF STORM DRAIN PIPING

LINE "AA"

LINE "BB"

LINE "B"

LINE "F"

HEADWALL GRATE DETAIL

ENERGY DISSIPATOR

N.T.S.

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

NOTES:
1. ALL STEEL BARS TO BE USED SHALL BE # 4 REBAR.
2. BAR SPACING 6" MAX.
3. TRIM ANCHOR BOLTS UPON COMPLETION
4. REMOVE ALL RUST AND PAINT BLACK USING APPROVED PAINT.

ONLY WORK SHOWN AS REVISION 4 ON THIS PLAN IS PART OF THIS PROJECT.

NOTE: BEDDING SHALL BE PER CITY OF RIVERSIDE STD. DWG. NO 452, CASE I

CONSTRUCTION NOTES

1. 18" RCP
2. CONSTRUCT HEADWALL PER DETAIL ON SHEET 1
3. CONSTRUCT CONCRETE COLLAR PER CITY STD. NO. 424.
4. CONSTRUCT CATCH BASIN PER CITY STD. NO. 405 (W,V AS SHOWN)
5. 24" RCP
6. 42" RCP
7. 48" RCP
8. CONSTRUCT C/R STD. NO. 432 MANHOLE "J M"
9. CONSTRUCT CITY OF RIVERSIDE STD. NO. 421 JUNC. STRUCT B.
10. CONSTRUCT CITY OF RIVERSIDE STD. NO. 412 CSP INLET.
11. RIP-RAP (1/4 TON) TO LIMITS SHOWN. (12) GROUTED
12. CONSTRUCT JUNCTION STRUCTURE C, PER CITY OF RIV. STD. DWG. 422 L=10 R2=4' Δ1=35°
15. CONSTRUCT CITY OF RIVERSIDE STD. NO. 491 MANHOLE "EZ"
16. CONSTRUCT CITY OF RIVERSIDE STD. NO. 491 MANHOLE "E2"

CURVE DATA	Δ	R	L	T
(1)	90° 00' 00"	50.00'	78.54'	50.00'
(2)	45° 00' 00"	50.00'	39.27'	20.71'

M.H. "JM" DATA @ S.D STA. 5+36.81	M.H. "JM" DATA @ S.D. STD. 04727	JUNC. STRUC. DATA @ STA. 6+38.38
A = 60°00'00"	A = 90°00'00"	A = 60°00'00"
B = 24"	B = 24"	B = 18"
C = 5.1	C = 4.2	C = 3.48'
$D_1=D_2$ = 42"	D_1 = 42" D_2 = 48"	$D_1=D_2$=42"
E = 6.6'	E = 5.7'	E = 2.53
L = 8.90'	L = 8.74'	L = 2.60'
ELEV. R = 74.82	ELEV. R = 50.87	ELEV. R = 78.74
ELEV. S = 74.69	ELEV. S = 50.67	ELEV. S = 78.69

TR. 20798

TENTATIVE TR. 22924

TR. 22527 BDRY.

PARCEL MAP NO. 9296 PM 42/59

LIMITS OF PONDING WATER SURFACE

VACANT LANDS

GRADING AND DRAINAGE EASEMENT

SCALE IN FEET

CITY OF RIVERSIDE WATER DEPARTMENT
APPROVED BY: R. McGrath
DATE: 8-1-88

SEE SHEET ONE FOR GENERAL NOTES

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W. CANTY No. 17550 Exp. 03-30-89 Civil STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE: 11/5/87

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493, RIVERSIDE, CA 92502 (714) 686-0844
11200 SO. MT. VERNON AVE. #D, COLTON, CA 92324 (714) 825-1082
73-080 EPASEO, #103, PALM DBERT, CA 92260 (619)346-9691
JFD ASSOCIATES

SCALE: PLAN: 1" = 40'
DATE: NOV. 1987

BENCH MARK: BM: F6-G ELEV.: 1029.59
PK NAIL ON TOP OF CONCRETE VAULT ON THE WEST SIDE OF WASHINGTON 15' NOTHERLY OF C.L. OF MUIRFIELD ROAD PRODDED.

MARK	REVISIONS	APPR.	DATE
4	ADD 2 C.B.'S & 18" RCP	DH	7/21/89
3	REVISED GRADING	DH	6/16/89
2	ADDED 18" RCP THROUGH EARTH DIKE FOR LOW FLOWS	MM	4-7-89
1	ADDED GROUTING LIMITS TO ENERGY DIS.	MM	4/13/89

DESIGNED BY JDS DRAWN BY TJC CHECKED BY MM DR

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		

APPROVED BY: Barry Bell
DIRECTOR OF PUBLIC WORKS
DATE 10/17/88

STORM DRAIN IMPROVEMENTS
TRACT 22527
LINE "A", "C", & "D"
BRADLEY STREET
FOR MANNING CO.

PROJECT NO. D-547-A
SHEET 2 OF 2
FILE NO. 8709925 (M)

INDEXED 11-15-88 LH