(CON'T)

ND FACILITIES TO
NJUNCTION WITH STREET
ACT PUBLIC UTILITIES
787-7421) FOR COORDINATION

SHALL ARRANGE FOR A SOIL
BY A SOIL ENGINEER AFTER
T HAS BEEN PREPARED TO
DEPTH OF BASE MATERIAL
ERMINED BY CITY OF RIVERSIDE
NDARDS AND TEST PROCEDURES.

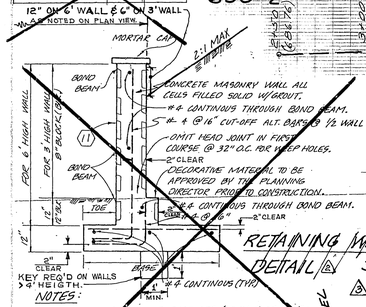
MAXIMUM STRESSES 690 LT.

f_c = 20,000 psi.
f_m = 250 psi.
f_c = 900 psi.
SOIL PRESSURE = 1500 psi.
CONCRETE TO SOIL
COEF. FRICTION = 0.40

WALL HEIGHT	BASE	TOE
3'-0"	2'-10"	0'-9"
6'-0"	5'-9"	1'-0"

690 ℄

12" ON ℄ WALL ℄ ON 3' WALL
AS NOTED ON PLAN VIEW.

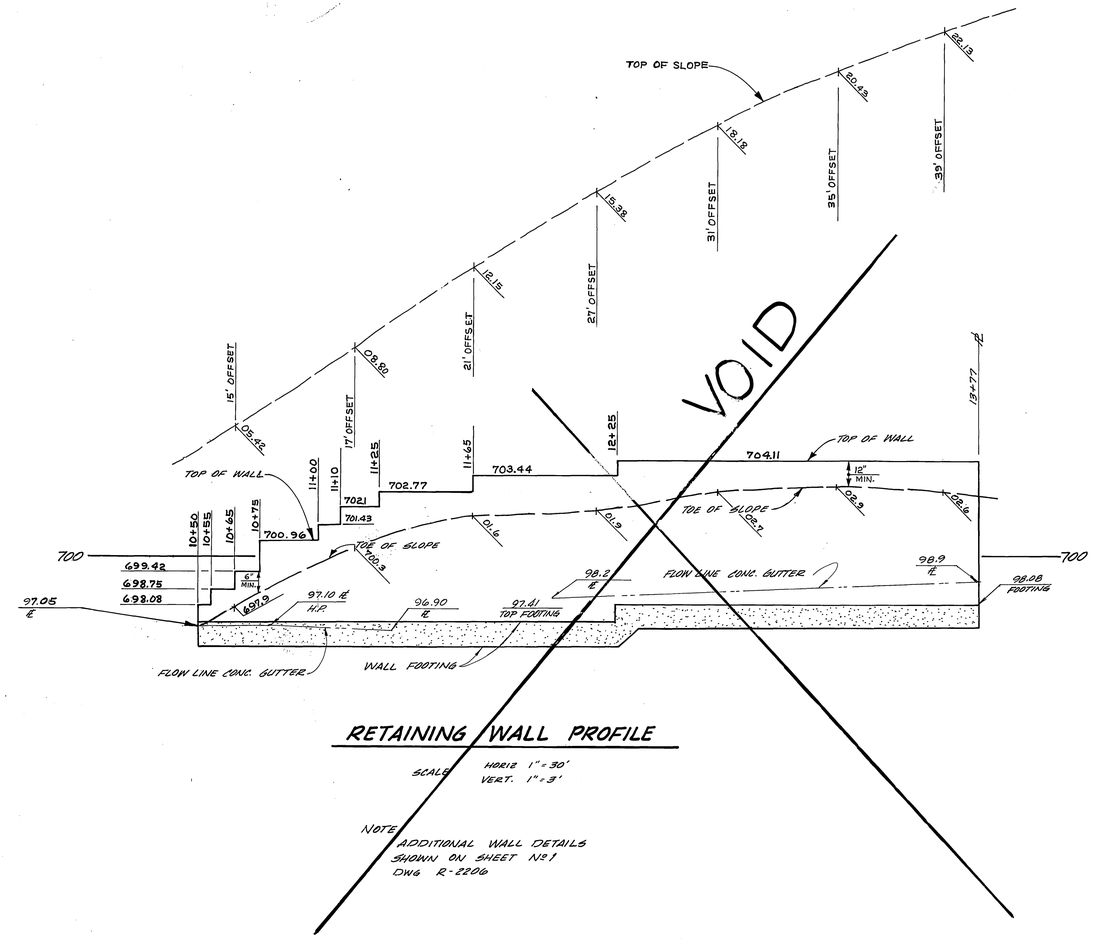


RETAINING WALL DETAIL 2

NOTES:

1. CONCR. IN FOOTING TO TEST 2000 LBS/SQ IN @ 28 DAYS.
2. CONCR. BLOCK GRADE "A" UNITS ASTM: C-90-52.
3. GROUT 1 PART CEMENT & 3 PARTS SAND.
4. MATERIAL & DESIGN OF DECORATIVE WALL & FENCE TO BE APPROVED BY THE PLANNING DIRECTOR PRIOR TO CONSTRUCTION.
5. POUR FOOTING AGAINST UNDISTURBED NATURAL SOIL OR COMPACTED GRAVEL BASE.

PROPOSED TOP OF CURB 32' LT. (6" CURB FACE)
EXISTING GROUND 44' LT.
EXISTING EDGE OF PAVT.
FUTURE CURB
DESIGN GRADE & PROFILE
EXIST. TOP OF CURB 32' RT.
690 RT
SCALES: HORIZ: 1"=40'
VERT: 1"=4'
EXISTING EDGE OF PAVT.
GUTTER
250 VC
CONVERT STREET
EXISTING GROUND
(TOP 32.)
(TOP 44.)
(TOP 32.)
(TOP 44.)
(TOP 32.)
(TOP 44.)



RETAINING WALL PROFILE

SCALE: HORIZ 1" = 30'
VERT. 1" = 3'

NOTE: ADDITIONAL WALL DETAILS SHOWN ON SHEET No 1 DWG R-2206

J. F. DAVIDSON ASSOCIATES
CIVIL ENGINEERS · SURVEYORS - PLANNERS
RIVERSIDE, CALIFORNIA

APPROVED BY Jack W Canty DATE 9/25/81
R/E. No. 17550

W.O. 7158 FOR: WERDIN - PARKER F.B. 7158

J. F. DAVIDSON ASSOCIATES
CIVIL ENGINEERS • SURVEYORS • PLANNERS
3426 TENTH STREET, RIVERSIDE, CAL.
11200 S. MT. VERNON AVE., COLTON, CAL.

SCALE: AS SHOWN

DATE 9-22-81

BENCH MARK: E2-E - NAIL & TAG IN CULV. HEADWALL, W'LY. COR. MAGNOLIA AVE & BUCHANAN ST. C.R.F.B. 739/56 ELEV. 686.278

MARK	REVISIONS	APPR.	DATE
1	VOID RET. WALL PROFILE	RSD	10/29/81

DESIGNED BY ____ DRAWN BY ____ CHECKED BY RSD

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

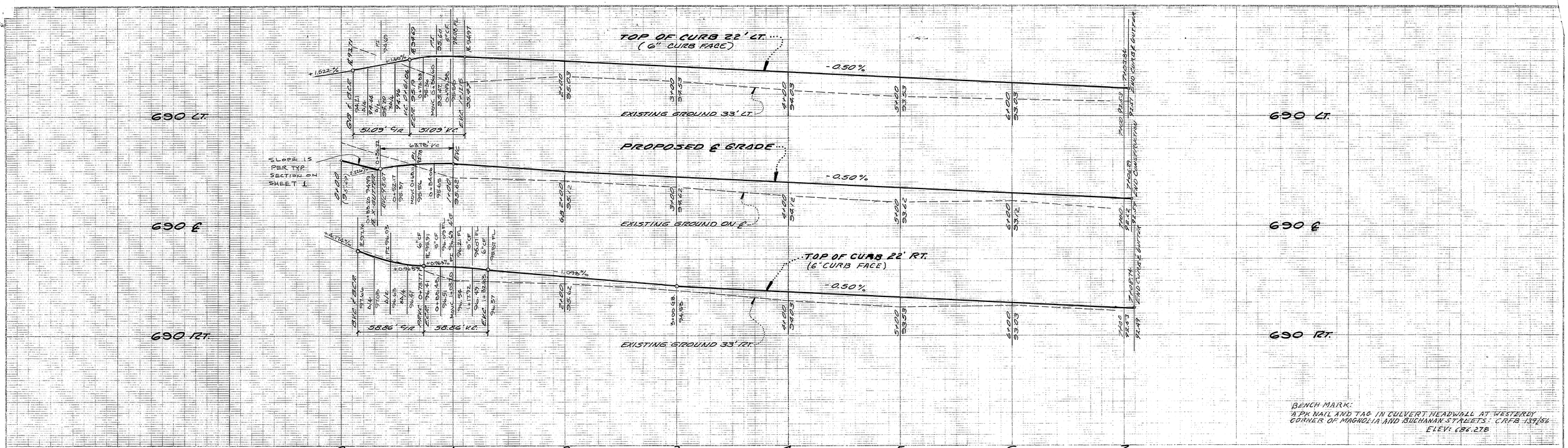
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[illegible]	11/2/81
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGR.	—	—

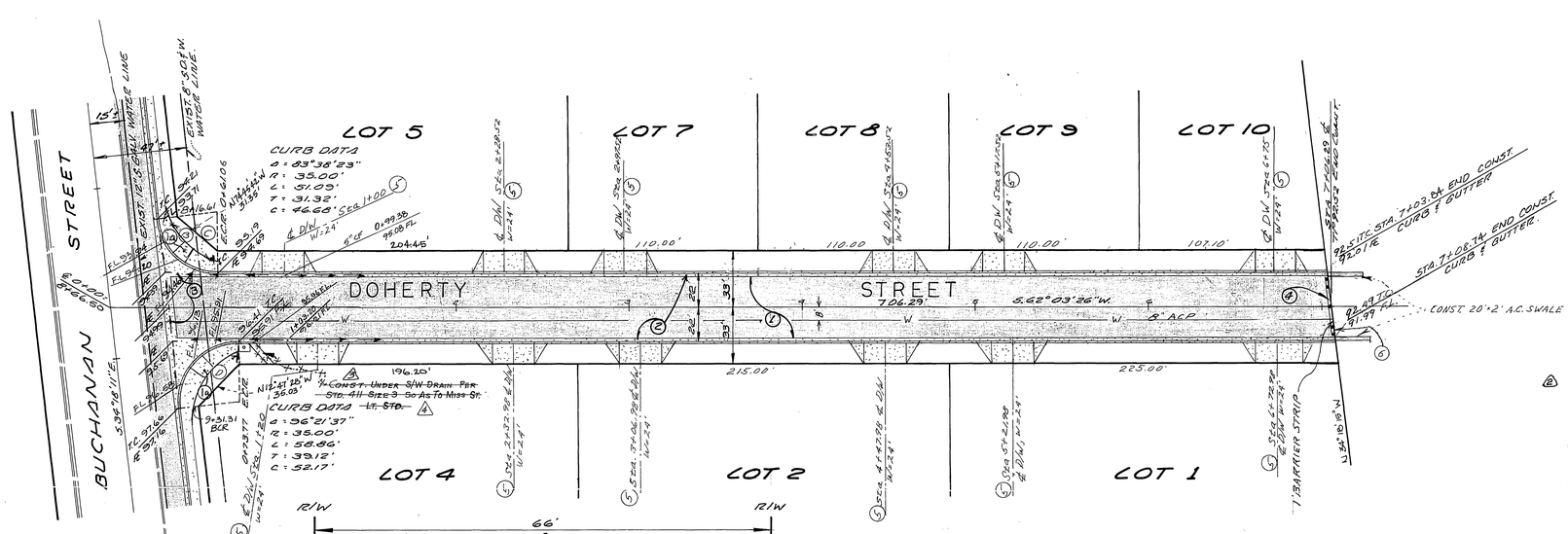
APPROVED BY [signature]
DIRECTOR OF PUBLIC WORKS
DATE 10/1/81

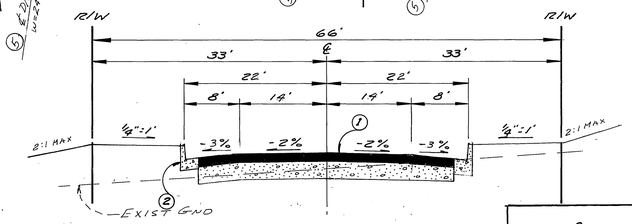
TRACT 17609
RETAINING WALL PROFILE
BUCHANAN STREET
WEST SIDE RIVERSIDE FRWY. TO 357'SLY.

HORIZ. SCALE: 1" = VERT. SCALE: 1" =

INDEXED BLD
PROJECT NO. R-2206
SHEET 1A OF 5
FILE NO. 81-7158 (M)







TYPICAL SECTION
T1-6
N.T.S.

BENCH MARK:
A PK NAIL AND TAG IN CULVERT HEADWALL AT WESTERLY CORNER OF MAGNOLIA AND BUCHANAN STREETS: CRFB 137/56
ELEV: 686.278

Craig Smith 9-25-78
CRAIG SMITH RCE 20820

CITY OF RIVERSIDE DOMESTIC SYSTEM
CHIEF UTILITIES ENG., WATER — DATE 3/6/79
CITY OF RIVERSIDE ELECT. DEP'T.
APPROVED: FOR CHIEF ELECTRIC ENGINEER — DATE 2-27-79

CRAIG SMITH
CIVIL ENGINEER GEOLOGIST
1627 BROOKSIDE AVE.
REDLANDS, CA 92373
(714) 792-1338

MARK	REVISIONS	APPR	DATE
4	DELETE UNDER S/W DRAIN 7-13-85	WWL	7/23/85
3	ADDED DRAIN FOR T.17609		9-23-81
2	ADDED STRUCTURAL SECTION	WWL	5-20-80
1	SHEET 3A ADDED MAKING A TOTAL OF 4 SHEETS	WWL	4-16-79

DESIGNED BY CRS — DRAWN BY EDM — CHECKED BY CRS — 8-3-79

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	RL	8-13-79
PARK DEPARTMENT	WWG	11-13
TRAFFIC DIVISION	TTF	8-6-79
CHIEF PUB. WKS. ENGR.	WWG	11-13
DIRECTOR OF PUBLIC WORKS	SWB	8-13-79

APPROVED BY: Samuel L. Wells
DATE #113/79

PLAN AND PROFILE
DOHERTY STREET
TRACT 11,118
W'LY OF BUCHANAN STREET
SCALE: HORIZ: 1"=40' VERT: 1"=4'

ACCOUNT No. — INDEXED BY Indexed KMP
DRAWING NUMBER R-2206
SHEET 2 OF 5 4

As Built 12/28/82

NOTE: TRANSITION E AT BOTH SIDES OF CATCH BASINS FROM ELEVATIONS SHOWN 25' AWAY & C.B. TO OPENING OF C.B.

690 Lt.

690 ℄

690 Rt.

CL CURB & GUTTER 4.5% EXIST. GRADE

CL CURB & GUTTER 4.5% PROPOSED GRADE

68.05' C/L

12.99 (CURB LENGTH)

121.99

101.71 (CURB LENGTH)

141.69'

110.15'

43.71' C/L

71.55'

16.55'

TOP OF CURB 14' LEFT (6" CURB FACE)

EXIST GRD. ℄ -0.50%

-0.972 %

PROPOSED ℄ GRADE -0.60%

EXISTING GROUND @ ℄

-0.920%

TOP OF CURB 22' RIGHT -0.50%

-0.712 %

+0.50%

+0.60%

+0.60%

+0.60%

EXIST. GRD. 30 Rt.

STA 6+79.01

CATCH BASIN TC=85.79 W=4'-0" V=3.86'

5'x4' MODIFIED C.B.

5'x4' C.B.

5'x6' C.B.

W = 4'-0" V = 3.86'

100' V.C.

50' V.C.

CATCH BASIN-PROFILE

50' R/W CHANNEL

R/W SAMPSON 14' 8' 8'

MAX. FLOOD EL=84.59

TOP OF CHANNEL

Q_{50} = 6.66

Q_{100} = 10.03

Q_{50} = 10.03 cfs 24" Ø RCP S = 0.0155 0.013

EL 81.09

EL 80.09

EL 81.33*

EL 80.09*

* EXISTING FIELD ELEVATIONS

100' V.C. FUTURE

FUTURE IMPROVEMENT

+0.5%

-0.5%

Elevation, same

BENCH MARK: E2-E

NAIL & TAG IN CULVERT HEADWALL ON WESTERLY CORNER OF MAGNOLIA AVE AND BUCHANAN STREET: CRFB 7.39/56

ELEV: 686.278

0 1 2 3 4 5 6 7 8

MAGNOLIA AVENUE

ARLINGTON VALLEY STORM CHANNEL

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

STREET

CA SIERRA FLOOD CONTROL CHANNEL

EXIST. 12" S.G.ALV. WATER LINE

EXIST. 8" SOIV. WATER LINE

TOP CHANNEL BS 1.9

TOP F.C. CHANNEL

STA 6 CATCH BASIN TC=85.79 W=4'-0" V=3.86'

6' C.L. FENCE ON R/W LINE

REMOVE ; SEE INSPR. NO. 119089 ; RECORDED 6-8-79, RIVERSIDE COUNTY

BUCHANAN

STREET

SAMPSON STREET

℄ OF CONSTRUCTION 477.94 S38°09'00"W

283.19'

194.80'

LOT 12

LOT 11

EXISTING 24" Ø CMP STORM DRAIN TO BE REMOVED & REPLACED WITH 24" Ø RCP

NOTE: 6' PROFILE GRADE AT FACE OF CURB

6' C.L. FENCE ON R/W

R/W 50' R/W

6' 14' 22' 8'

14' 8'

EXIST GND

VARIES

-2% -1½ -2%

4:1

8:1 MAX.

℄ CONST.

FLOOD CONTROL CHANNEL

TYPICAL SECTION

T.I. = 6 N.T.S.

CITY OF RIVERSIDE

CITY OF CORONA

CONSTRUCTION NOTES:

1. CONSTRUCT P.C.C. CURB & GUTTER PER CITY OF RIVERSIDE STD. 200, TYPE I, 6" CURB FACE.
2. INSTALL 2"x4" REDWOOD HEADER AT END OF PAVING.
3. CONSTRUCT 3" A.C. PAVING OVER 11" D.G. BASE, PER SR No. 1037.
4. INSTALL CATCH BASIN PER CITY OF RIVERSIDE STD A05
- 4A. CONST DRIVEWAY PER CITY STD 302
5. CONSTRUCT 75' OF TRANSITION DIRT ROAD UTILIZING COMPACTED NATIVE EARTH (95% RELATIVE COMPACTION) STA. 7+75.47 to 8+50.47. THE FIRST 10' AFTER REGULAR CONSTRUCTION SHALL BE AT LEAST HAND-LAID
- 6. ~~INSTALL GUIDE MARKERS PER CITY OF RIVERSIDE STD. 665 FOR TRAFFIC CONTROL.~~
7. INSTALL WHEELCHAIR RAMPS PER CITY OF RIVERSIDE STD No. 304

BENCH MARK: PK NAIL & TAG IN LEAD IN CULVERT HD. WALL ON N.W.ly CORNER OF MAGNOLIA & BUCHANAN STS. ELEV. 686.905

Craig Smith 9-25-78

CRAIG' SMITH R.C.E. 20820

GENERAL NOTES:

SEE SHT. 1 OF 3 (BUCHANAN ST. IMP. PLANS)

CURVE	Δ	R	L	T	C
①	44°36'03"	109'	84.85'	44.71'	82.72'
②	66°00'00"	123'	141.69'	79.88'	133.98'
③	57°22'23"	145'	146.20'	79.34'	139.21'
④	48°27'15"	108.25'	91.55'	48.71'	88.84'
⑤	48°27'15"	130.25'	110.15'	58.61'	106.90'
⑥	48°27'15"	144.25'	121.99'	64.91'	118.39'
⑦	~~0°38'58"~~	~~4.80'~~	~~5.44'~~	~~2.72'~~	~~5.44'~~
⑧	0°38'58"	302'	5.69'	2.85'	5.69'
⑨	~~0°38'58"~~	~~516'~~	~~5.85'~~	~~2.92'~~	~~5.85'~~

CURVE	Δ	R	L	T	C
⑩	111°23'57"	35'	68.05'	51.31'	57.83'
⑪	81°22'23"	35'	49.71'	30.29'	45.75'
⑫	8°39'49"	502'	75.91'	38.03'	75.83'

CRAIG SMITH
CIVIL ENGINEER GEOLOGIST
1627 BROOKSIDE AVE
REDLANDS, CA 92373
(714) 792-1338

CITY OF RIVERSIDE DOMESTIC SYSTEM — CHIEF UTILITIES ENG. WATER — DATE 3/6/79

CITY OF RIVERSIDE ELECT. DEPT. APPROVED — DATE 2-27-79

MARK	REVISIONS	APPR	DATE
⚠	ADD SHEET 1A TOTAL - 5 SHEETS	SBC	01-19-81
⚠	REVISED PIPE SLOPE TO MATCH EXISTING D/S	[illegible]	5-20-80
⚠	SHEET 3A ADDED MAKING A TOTAL OF 4 SHEETS		
⚠	MAJOR CHANGE IN ALIGNMENT, ETC., SEE SHEET 3A		

DESIGNED BY CRJ DRAWN BY FDH CHECKED BY RSW

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	—	—
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	[illegible]	8-6-79
CHIEF PUB. WKS. ENGR.	[illegible]	8-13-79

APPROVED BY [signature] DIRECTOR OF PUBLIC WORKS

DATE 11/13/79

PLAN AND PROFILE
TRACT 11,118
SAMPSON STREET
W'LY OF BUCHANAN STREET

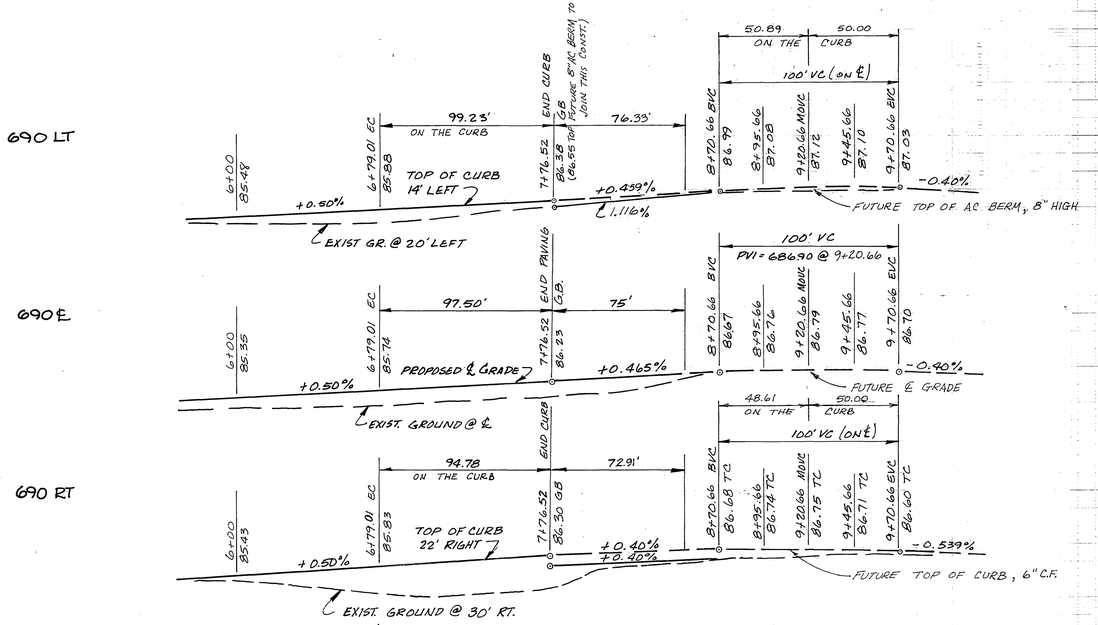
ACCOUNT No. Interfund Enf.

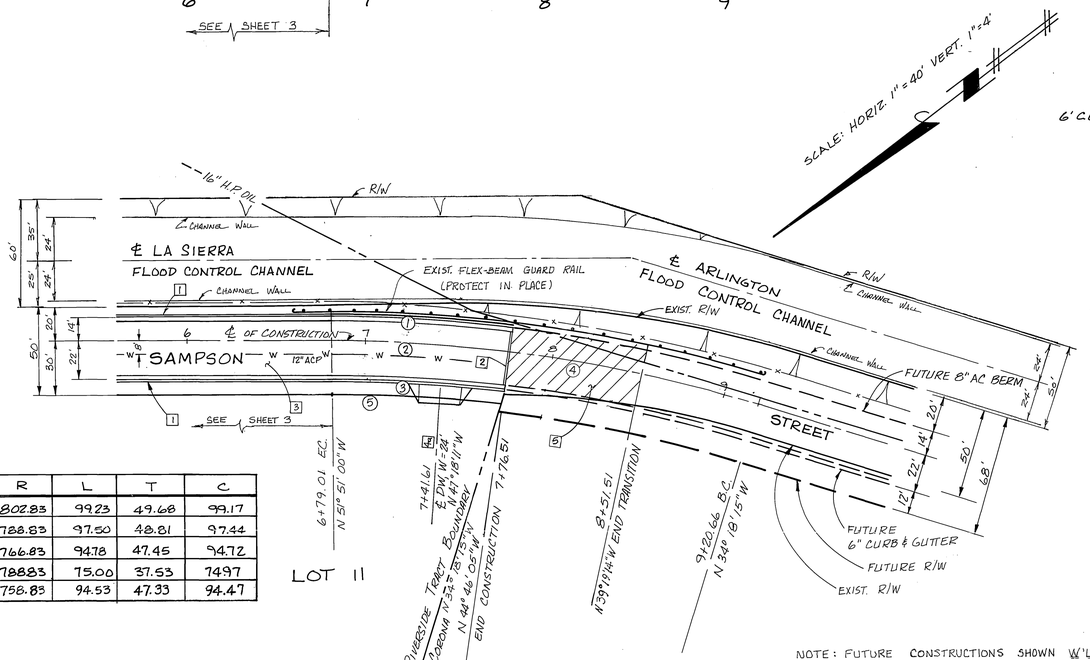
DRAWING NUMBER R-2206

SHEET 3 OF 5 4

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

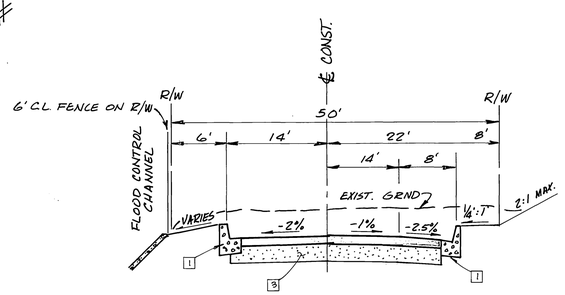
As Built 12/1980





CURVE	Δ	R	L	T	C
1	7° 04' 55"	802.83	99.23	49.68	99.17
2	7° 04' 55"	788.83	97.50	48.81	97.44
3	7° 04' 55"	766.83	94.78	47.45	94.72
4	5° 26' 51"	788.83	75.00	37.53	74.97
5	7° 08' 16"	758.83	94.53	47.33	94.47

NOTE: FUTURE CONSTRUCTIONS SHOWN W'LY WILL BE AS PER IMPROVEMENT PLANS OF THE CITY OF CORONA.



TYPICAL SECTION

T.1 = 6 N.T.S.

GENERAL NOTES:

SEE SHT. 1 OF 4 (BUCHANAN ST. IMP. PLANS)

CONSTRUCTION NOTES:

1. CONSTRUCT P.C.C. CURB & GUTTER PER CITY OF RIVERSIDE STD. 200, TYPE I, 6" CURB FACE.
2. INSTALL 2"x4" REDWOOD HEADER AT END OF PAVING.
3. CONSTRUCT 3" A.C. PAVING OVER 11" D.G. BASE PER SR NO. 1037.
4a. CONSTRUCT DRIVEWAY PER CITY STD. 302
5. CONSTRUCT 75' TRANSITION DIRT ROAD UTILIZING COMPACTED NATIVE EARTH (95% RELATIVE COMPACTION) STA. 7+76.60 TO STA. 8+51.60 THE FIRST 10' AFTER REGULAR CONSTRUCTION SHALL BE AT LEAST HAND-LAID PAVING @ 2½" THICKNESS.

BENCH MARK: P.K. NAIL & TAG IN LEAD IN CULVERT HD. WALL ON N.W'LY CORNER OF MANGULAR & BUCHANAN STS. ELEV. 686.405

GABEL, COOK & BECKLUND
Environmental • Hydrology • Planning
Civil Engineering • Surveying • Structures
647 North Main Street, Suite 1-B, Riverside, Calif. 92501
Telephone (714) 788-8092

APPROVED BY: 30 APRIL 1980 DATE — Craig A. Cook R.C.E. 23323

CITY OF RIVERSIDE
ELECTRICAL DEPARTMENT
APPROVED BY — 5-1-80 DATE

MARK	REVISIONS	APPR.	DATE
1	ADD SHEET 1A TOTAL = 5 SHEETS ea		5-19-80

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

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

APPROVED BY — DIRECTOR OF PUBLIC WORKS — DATE 5-19-80

PLAN AND PROFILE
TRACT 11,118
SAMPSON STREET
W'LY OF BUCHANAN STREET
(REVISIONS - STA 6+79.01 to CITY BOUNDARY WESTERLY)

PROJECT NO. Indexed map
R-2206
SHEET 3A OF ~~4~~ 5

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
FILE NO.

As Built Revised 12