RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

JURUPA AVE. STORM DRAIN

JURUPA AVE. - CORRELL TO PALM AVE.
PALM AVE. - JURUPA TO RUBIDOUX AVE.

LENGTH OF PROJECT = 4,475 Feet = 0.85 Mile

GENERAL CONSTRUCTION NOTES

1. CONSTRUCT 5' I.D. MANHOLES PER STD. 500 AS INDICATED BY (500 M) STA. ALL MANHOLES SHALL HAVE A 30" CLEAR OPENING.

2. CONSTRUCT CATCH BASIN PER STD. 405 AS INDICATED BY (405) STA. THE BOTTOMS OF ALL CATCH BASINS WITH INLET PIPES SHALL BE CHANNELIZED PER STD. 500.

3. EXACT DEPTH OF UNDERGROUND UTILITIES MARKED: ^ ARE UNKNOWN. THE LOCATIONS AND DEPTHS SHOWN ON PLAN ARE FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UNDERGROUND FACILITIES.

4. CONTRACTOR SHALL RESTORE AT HIS OWN EXPENSE ANY CURBS AND GUTTERS, IRRIGATION PIPE LINES, OR OTHER IMPROVEMENTS DAMAGED BY CONSTRUCTION

5. PIPE AND BEDDING SHALL BE PER TABLE BELOW. BEDDING PER STD. 452.

SIZE	PIPE	CLASS	BEDDING
* 42"	RCP	2000 - D	CASE I
30"	RCP	1500 - D	CASE I
24"	RCP	2000 - D	CASE I
15"	RCP	2500 - D	CASE I

* SEE SECTION 207-2 OF THE SPECIAL PROVISIONS, REGARDING CAST IN PLACE PIPE ALTERNATE.

6. TRENCH BACKFILL AND RESURFACING SHALL BE PER STD. 453.

7. WHERE EXIST. CROSS GUTTER AND APRON IS TO BE REMOVED IT SHALL BE REPLACED WITH FULL DEPTH A.C. - CONTRACTOR TO OVERLAY THE DIP AREAS AS DIRECTED BY THE ENGINEER. GRADE SHEETS FOR CURB & GUTTER WILL BE ISSUED AT TIME OF CONSTRUCTION.

8. BORINGS HAVE BEEN TAKEN FOR THIS PROJECT AND ARE AVAILABLE FOR INSPECTION BY THE BIDDERS AT THE PUBLIC WORKS DEPT.

9. SEWER LATERALS WHICH ARE BROKEN SHALL BE REPLACED PER STD. DWG. # 454. THE CONTRACTOR SHALL BEAR FULL COST FOR SUCH REPLACEMENT.

PROJECT LOCATION PLAN

0 625 1250 2500 3750 5000 6250 FEET

SCALE 1" = 1000'

EXISTING CULTURE & UNDERGROUND LEGEND

EXISTING UNDERGROUND UTILITIES (000)

SANITARY SEWER	8"VCP-S	TELEPHONE CONDUIT	T T
WATER LINE	6"CI-W	ELECTRICAL CONDUIT	E E
STORM DRAIN	24"RCP-SD	STREET LIGHTING	SL SL
CULVERT	15"CONC-C	TRAFFIC SIGNAL	SIG SIG
IRRIGATION LINE	20"-IRR	FIRE ALARM	F F
GAS LINE	3"M-G		

EXISTING TOPOGRAPHY (000)

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW

- (S) SANITARY SEWER MH
- SANITARY SEWER CLEANOUT
- (D) STORM DRAIN MH
- (I) IRRIGATION WEIR
- (W) WATER MH
- (G) GAS MH
- (E) ELECTRIC MH
- (T T) TELEPHONE MH OR VAULT
- POWER POLE
- GUY POLE
- POLE & GUY ANCHOR
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- STREET LIGHT (UPRIGHT)
- STREET LIGHT
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC CONTROL BOX
- TRAFFIC SIGNAL DETECTOR
- PEDESTRIAN CONTROL FOR TRAFFIC SIGNAL
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- HYDRANT OR FAUCET
- GAS METER
- MAIL BOX

- CONCRETE
- ASPHALT
- EDGE OF PAVEMENT
- BUILDING
- UNDERGROUND OR OVERHANGING STRUCTURE
- TREE SHOWING DIAMETER IN INCHES
- PALM SHOWING DIAMETER IN INCHES
- SHRUBBERY
- TREE STUMP DIAMETER IN INCHES

▽ As Built - 6-30-72 JW

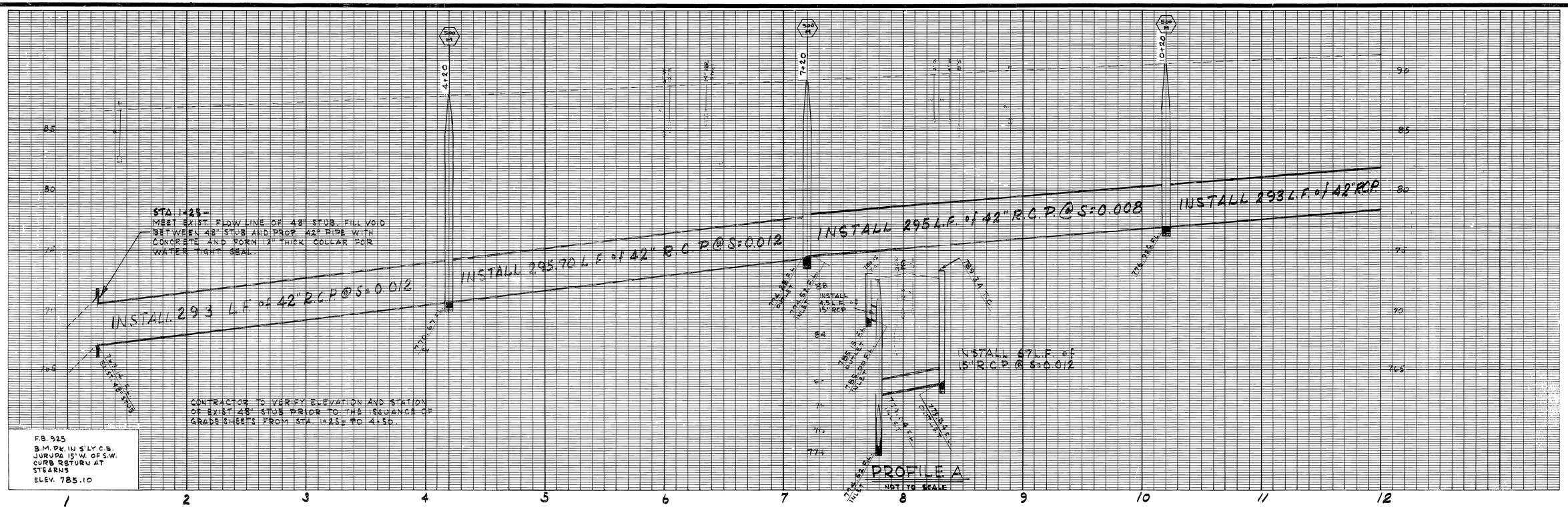
JURUPA AVE. S. D.
JURUPA AVE. - CORRELL TO PALM AVE.
PALM AVE. - JURUPA TO RUBIDOUX AVE.

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		6/14
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF PUB. WKS. ENGR.		6-20-72

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE

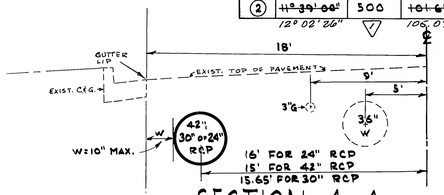
ACCOUNT Nº 452-470
DRAWING NUMBER
D-208
SHEET 1 OF 7

DESIGNED BY SAB DRAWN BY JW CHECKED BY



PIPE & DATA

NO.	Δ	R	L	T
1	10° 53' 12"	500	95.00	47.64
2	~~11° 39' 00"~~ 12° 02' 26"	500	~~101.67~~ 105.07'	~~51.01~~ 52.73'



SECTION A-A

STA. 7+20 TO 37+00 JURUPA & 0+16 TO 8+10 PALM AVE.
NO SCALE

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M. | After Hours & Holidays
Orange County 714-633-0811 714-547-6606
Riverside County 714-684-0071 714-547-6606
FOR FREE CABLE LOCATING SERVICE

MARK	REVISIONS	APPR.	DATE
1	As Built 6-20-72		

DESIGNED BY S.J.B. DRAWN BY JW CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

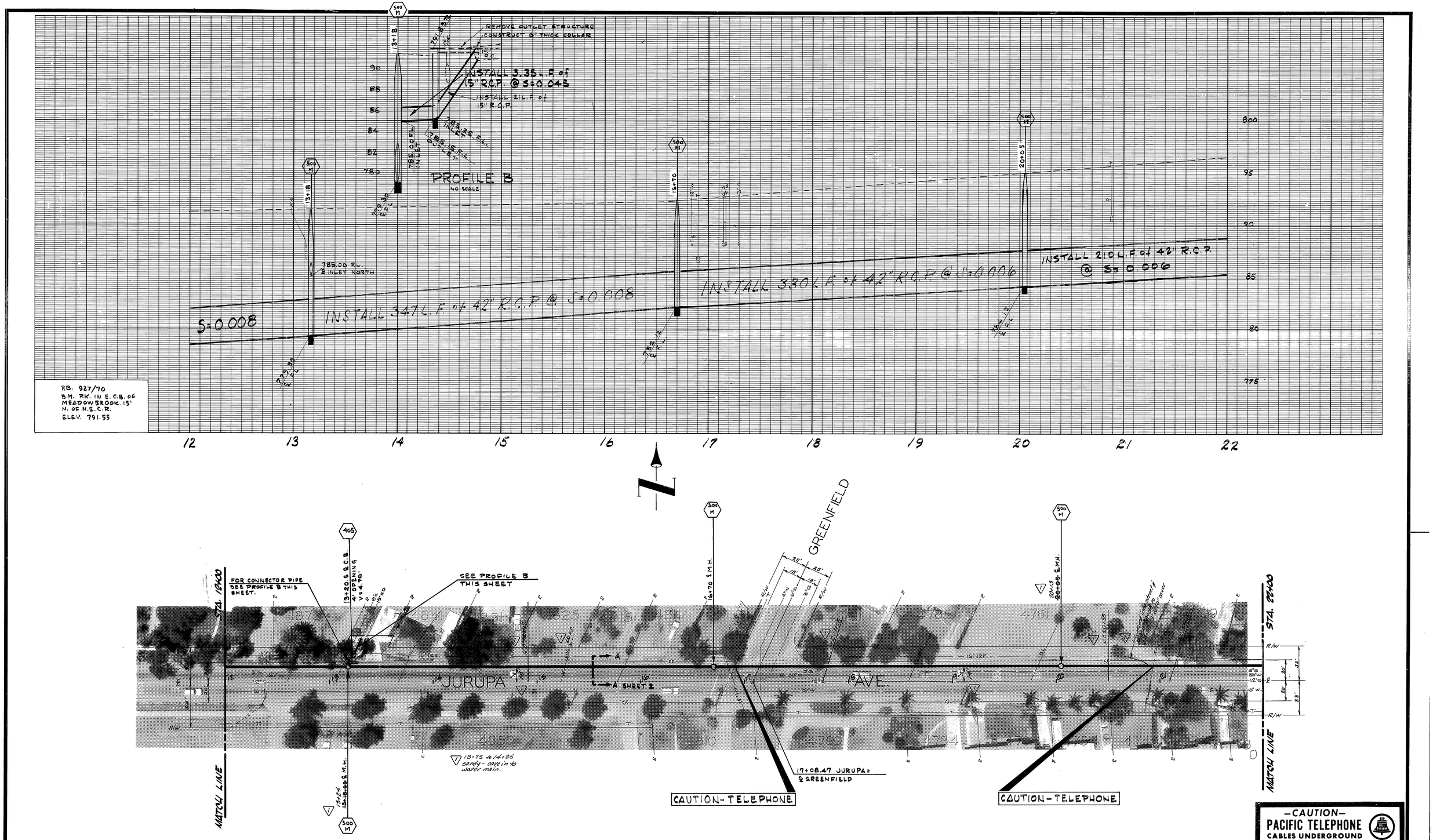
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		11/16
PARK DEPARTMENT		11-8
TRAFFIC DIVISION	—	—
CHIEF PUB. WKS. ENGR.		1-24

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 1-24-72

JURUPA AVE. S.D.
CORRELL TO PALM

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

ACCOUNT No. 452
DRAWING NUMBER
D-208
SHEET 2 OF 7



-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M. | After Hours & Holidays
Orange County 714-633-0811 714-547-6606
Riverside County 714-684-0071 714-547-6606
FOR FREE CABLE LOCATING SERVICE

MARK	REVISIONS	APPR.	DATE
▽	As Built 6-20-72 JW		

DESIGNED BY SJB DRAWN BY JW CHECKED BY [illegible]

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[illegible]	11/16
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF PUB. WKS. ENGR.	[illegible]	1-24

APPROVED BY [signature]
DIRECTOR OF PUBLIC WORKS
DATE 1-24-72

JURUPA AVE. S.D.
CORRELL TO PALM

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

ACCOUNT No. 452
DRAWING NUMBER
D-208
SHEET 3 OF 7

INSTALL 5 L.F. of 15" R.C.P.

INSTALL 115 L.F. of 42" R.C.P. @ S=0.006

INSTALL 335 L.F. of 30" R.C.P. @ S=0.0070

INSTALL 335 L.F. of 30" R.C.P. @ S=0.0070

INSTALL 340 L.F. of 30" R.C.P. @ S=0.0070

INSTALL 442 L.F. of 24" R.C.P. @ S=0.0057

CONSTRUCT 2 L.F. OF 24" R.C.P. @ S=0.01 & PLUG

PROFILE C

F.B. 927/74
B.M. PK. IN LEAD IN CENTER OF N.W.C.R. OF PALM & JURUPA
ELEV. 814.146

22+20 & M.H.
94.38 L.F. 42" R.C.P.
4° OPENING
Vc=6

23+40 & M.H.
SEE MANHOLE DETAIL BELOW

24+80 & M.H.

30+26
30+40 & M.H.

TOWER

RELOCATE 16" IRRIGATION PIPE UNDER GUTTER TO CLEAR CATCH BASIN.

CAUTION - TELEPHONE

STA 22+00

STA 33+00

MATCH LINE

MATCH LINE

JURUPA AVE.

A SHEET 2

22+75.65 JURUPA = & TOWER

SEE PROFILE C THIS SHEET

23+71.20 S.C.B. 4° OPENING Vc 11.45

23+81.21 JURUPA = & ARCH WAY EXTENDED

CONSTRUCT 2 L.F. OF 24" R.C.P. & PLUG

FUTURE ARCH WAY S.D. PLAN NO. D-228.

MANHOLE DETAIL
STA. 23+40 JURUPA
SCALE: 1" = 5'

CURB FACE
GUTTER LIP
785.13 REF. GUTTER
785.63 M.H. INLET
785.13 SHELF
785.13 INVERT

CAUTION—
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:

	7:30 A.M. to 5 P.M.	After Hours & Holidays
Orange County	714-633-0811	714-547-6606
Riverside County	714-684-0071	714-547-6606

FOR FREE CABLE LOCATING SERVICE

MARK	REVISIONS	APPR.	DATE
▽	As Built 6-20-72 (JW)		

DESIGNED BY S.J.B. DRAWN BY J.W. CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		9/74
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF PUB. WKS. ENGR.		11-74

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 11-21-74

JURUPA AVE. S.D.
CORRELL TO PALM

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

ACCOUNT No. 452
DRAWING NUMBER D-208
SHEET 4 OF 7

FB. 927/74
B.M. PK. IN LEAD IN CENTER OF N.W.C.R. OF PALM & JURUPA
ELEV. 814.146

EXACT LOCATION OF THIS M.H. WILL BE DETERMINED IN THE FIELD AFTER EXPOSING THE EXIST. 21" & 12" STORM DRAINS.

33+65 ℄ M.H.

℄ ELEV. @ STREET ℄

36+38

21" RCP ℄ CONNECT EXIST. 21" RCP STORM DRAIN

37+00.73 JURUPA AVE. = 0+15.7 PALM AVE.

BILCO P.L. INLET TYP.

INSTALL 288 L.F. of 30" R.C.P. @ S=0.007

INSTALL 37.73 L.F. of 30" R.C.P. @ S=0.007

796.29 E.L.

796.42 E.L. OUTLET

796.8 INVERT

796.54 INVERT

36+51.88

INSTALL P.L.E. of 18GA. 12" CMP. (PAYMENT IS CONSIDERED AT P.L.E. of 15" RCP)

BILCO P.L. INLET TYP.

796.54 C.P.L.

CONNECTOR PIPES PROFILE
NOT TO SCALE

33 34 35 36 37

STA. 33+00 MATCH LINE

Removed 14" C.M.P. from trench 34+62 to 36+25

SEE SHT. 6 FOR PROFILE AND DATA ON THIS LINE.

SEE CONECTOR PIPES PROFILE THIS SHEET.

PLUG 21" & 12" S.D.

37+16.73 JURUPA AVE. = 0+00 PALM AVE.

PALM AVE.

JURUPA AVE.

CAUTION-TELEPHONE

MARK	REVISIONS	APPR.	DATE
▽	As Built 6-20-72 GW		

DESIGNED BY S.T.B. DRAWN BY JW CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		11/16
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF PUB. WKS. ENGR.		11-24

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE

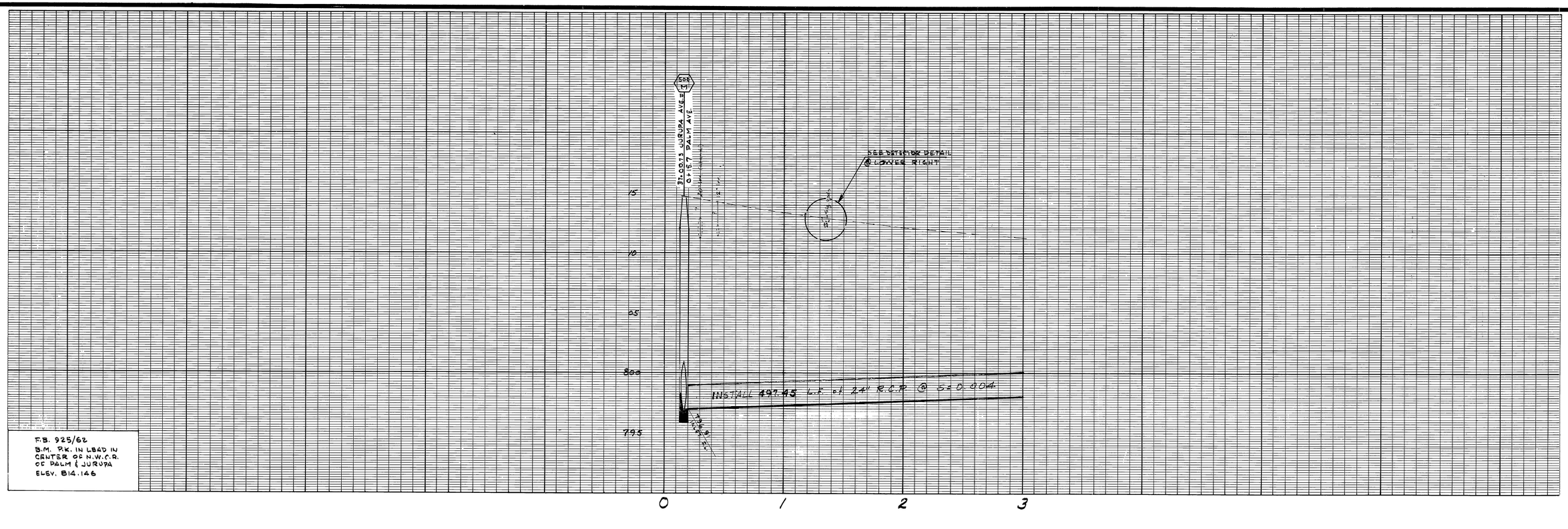
JURUPA AVE. S.D.

CORRELL TO PALM

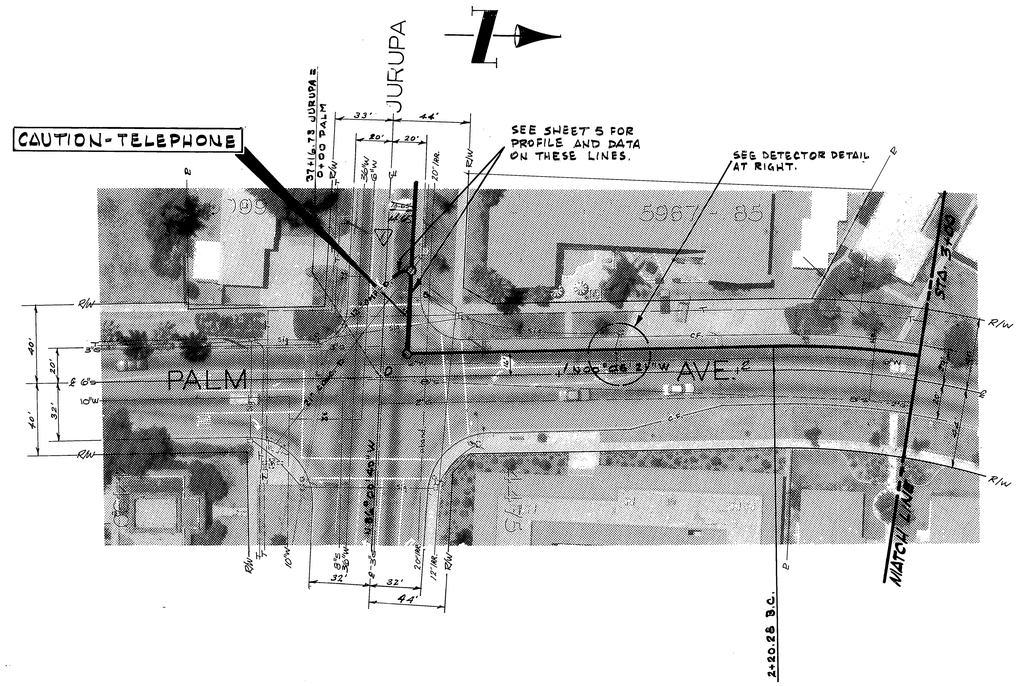
HORIZ. SCALE: 1"= 40' VERT. SCALE: 1"= 4'

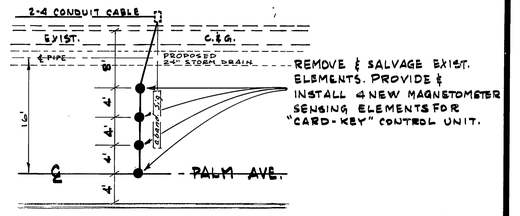
ACCOUNT No. 452
DRAWING NUMBER D-208
SHEET 5 OF 7

—CAUTION—
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M. | After Hours & Holidays
Orange County 714-633-0811 | 714-547-6606
Riverside County 714-684-0071 | 714-547-6606
FOR FREE CABLE LOCATING SERVICE



F.B. 925/62
B.M. P.K. IN LEAD IN CENTER OF N.W.C.R. OF PALM & JURUPA
ELEV. 814.146





DETECTOR DETAIL

STA. 1+44 PALM AVE.
SCALE: 1"=10'

—CAUTION—
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:

	7:30 A.M. to 5 P.M.	After Hours & Holidays
Orange County	714-633-0811	714-547-6606
Riverside County	714-684-0071	714-547-6606

FOR FREE CABLE LOCATING SERVICE

MARK	REVISIONS	APPR.	DATE
7	As Built 6-20-72 JD		

DESIGNED BY SJTS DRAWN BY JW CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

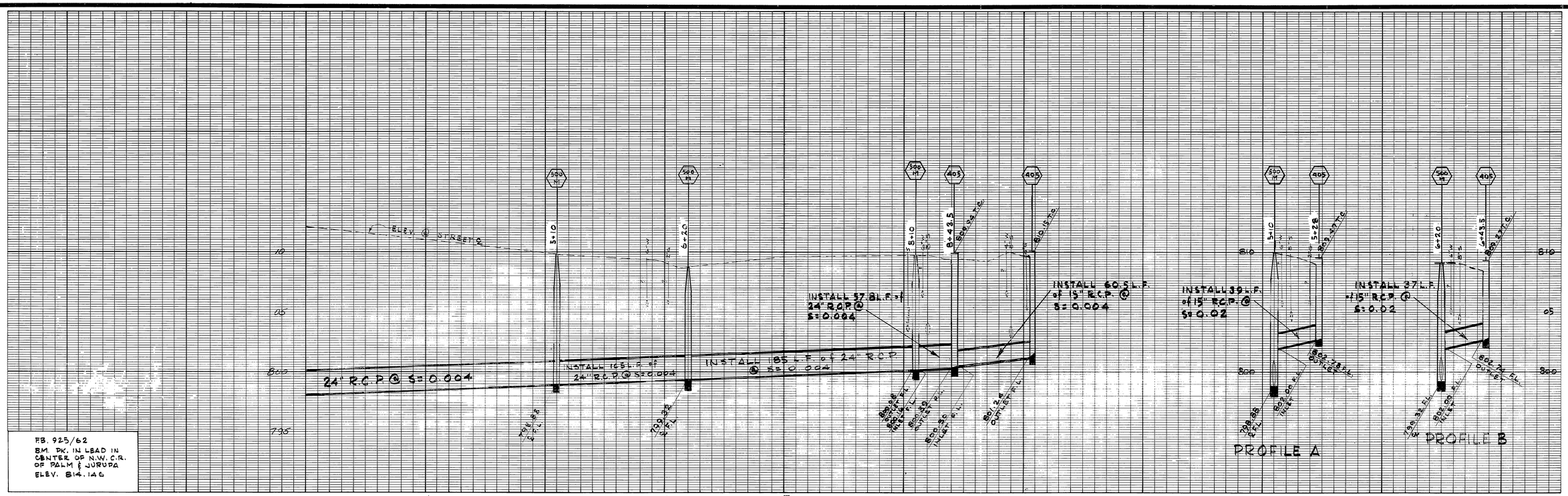
	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER		11/16
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		11/8
CHIEF PUB. WKS. ENGR.		11-6-72

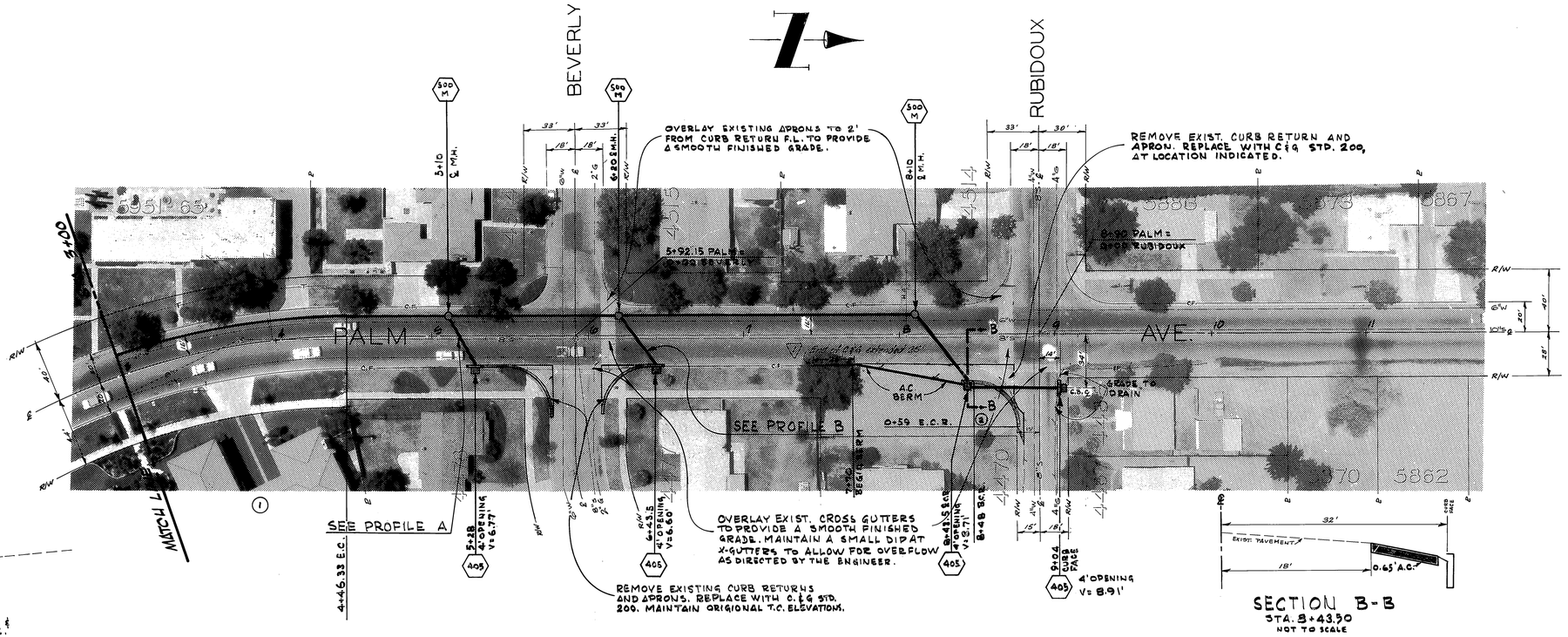
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 1-6-73

JURUPA AVE. S.D.
PALM AVE.
JURUPA TO RUBIDOUX

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

ACCOUNT No. 470
DRAWING NUMBER
D 208
SHEET 6 OF 7





d = 15' ON PALM AVE.
d = 10' ON BEVERLY ST. & RUBIDOUX AVE.

CROSS GUTTER OVERLAY DETAIL

NOT TO SCALE

PIPE CURVE DATA

NO.	R	Δ	T	L
①	460.41'	29°08' 40"	119.69'	234.2'

CURB RETURN DATA

NO.	R	Δ	T	L
②	27'	90° 00' 00"	27'	42.41'

▽ As Built 6-20-72 JW

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JTS DRAWN BY JW CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	RE	7/16
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF PUB. WKS. ENGR.	—	—

APPROVED BY _____ DIRECTOR OF PUBLIC WORKS
DATE _____

JURUPA AVE. S.D.
PALM AVE.
JURUPA TO RUBIDOUX

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

ACCOUNT No. 470
DRAWING NUMBER D-208
SHEET 7 OF 7