RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

PALMYRITA AVE. AND NORTHGATE ST.

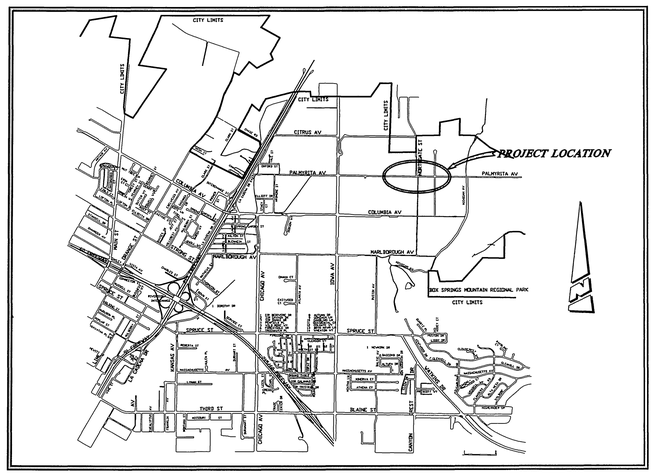
INTERSECTION IMPROVEMENTS

GENERAL CONSTRUCTION NOTES:

1. EXISTING UTILITIES, SHOWN ON THIS PLAN, ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
2. PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A" OR "C-12" LICENSE.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2000 EDITION.
4. ALL ELEVATIONS, SHOWN ON THE PLAN, SHALL BE STAKED IN THE FIELD EXCEPT FOR ELEVATIONS SHOWN IN PARENTHESIS WHICH DENOTE EXISTING GRADES.
5. CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE SHOWN ON THE PLAN.
6. RIGHTS OF ENTRY HAVE BEEN OBTAINED FOR WORK SHOWN OUTSIDE OF CITY RIGHT OF WAY.
7. TREES AND SHRUBS, AFFECTED BY THE PROPOSED SIDEWALK CONSTRUCTION, SHALL BE TRIMMED TO AT LEAST 8' VERTICALLY ABOVE THE SIDEWALK SURFACE AND TO AT LEAST 3' LATERALLY OF THE SIDEWALK, WHERE RIGHT-OF-WAY PERMITS.
8. WATER METERS, GAS METERS AND ALL STREET PULL BOXES AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED SIDEWALK GRADE/GRADED SHOULDER GRADE.
9. EXISTING SPRINKLERS AND IRRIGATION LINES, AFFECTED BY THE CONSTRUCTION OF THE PROPOSED SIDEWALK, SHALL BE RELOCATED TO THE BACK OF THE SIDEWALK OR MODIFIED TO COVER EXISTING IRRIGATED AREAS EXCEPT THE NEW PAVED AREA.

CONSTRUCTION LEGEND:

- ⬢ NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- ADJ. EMH — ADJUST MANHOLE FRAME AND COVER OF ELECTRICAL VAULT TO THE FINISHED GRADE.
- ADJ. GV — ADJUST GATE VALVE COVER TO GRADE.
- ADJ. MH — ADJUST SEWER OR STORM DRAIN MANHOLE COVER TO GRADE.
- ADJ. EMH — ADJUST ELECTRICAL VAULT MANHOLE COVER TO GRADE.
- C ST — CONSTRUCT STRUCTURAL SECTION OF 0.33' AC OVER 0.67' CAB.
- C S2 — CONSTRUCT STRUCTURAL SECTION OF 0.33' AC OVER 0.5' CAB.
- E — PUBLIC UTILITIES DEPARTMRNT ELECTRIC DIV. TO RELOCATE.
- OL — OVERLAY EXISTING PAVEMENT WITH VARIABLE THICKNESS OF DGAC (0.10' MIN.).
- RR — U.P.R.R. CO. TO RELOCATE RAILROAD CROSSING SIGNS, FLASHING SIGNALS, AND POWER POLE IN CONFLICT WITH CONSTRUCTION.
- REL AV — RELOCATE ELECTRIC VAULT AIR VENT TO BACK OF THE PROPOSED CURB PER THE PUBLIC UTILITIES DEPARTMRNT STANDARD DRAWING NO. UGS-233.
- REL SL — RELOCATE EXISTING STREET LIGHT TO BACK OF THE PROPOSED CURB.
- TEL — TELEPHONE COMPANY TO RELOCATE.



PROJECT LOCATION MAP

0 KM. 0.5 KM. 1 KM. 1.5 KM.
0' 500' 1000' 2000' 3000' 4000' 5000' 6000'

SCALE: 1"=1,000'

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	8"S	TELEPHONE CONDUIT	T T
WATER LINE	6"W	ELECTRICAL CONDUIT	E E
STORM DRAIN	24"SD	ELECTROLIER LIGHTING CONDUIT	ELC
GAS LINE	3"G	TRAFFIC SIGNAL	SIG SIG
ABANDONED UTILITY	6"G(ABAN'D.)	FIRE ALARM	F F

EXISTING TOPOGRAPHY:

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW
- (S) SANITARY SEWER M.H.
- S.C.O. SANITARY SEWER CLEANOUT
- (D) STORM DRAIN M.H.
- (I) IRRIGATION WEIR
- (W) WATER M.H.
- (G) GAS M.H.
- (E) ELECTRIC M.H.
- (T) TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- BUS STOP SIGN
- B.O. BLOW-OFF VALVE
- (SP) IRRIGATION STAND PIPE
- POLE & GUY ANCHOR
- P.P. POWER POLE
- T TELEPHONE POLE
- T TELEPHONE RISER
- J JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- F FIRE ALARM BOX
- STREET NAME SIGN
- G GAS METER
- MAIL BOX
- FAUCET
- WALK-DON'T WALK PEDESTRIAN SIGNAL
- ELECTRICAL TEST STATION
- WHEEL STOP
- A.C. BERM
- CONCRETE
- ASPHALT
- BUILDING
- EDGE OF PAVEMENT
- P.P.B. PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT ON MAST ARM
- STEEL POST
- WOOD POST

SPECIFIC CONSTRUCTION NOTES:

1. CONSTRUCT STAMPED CONCRETE PAVEMENT IN MEDIAN ISLANDS (ADOBE TAN A-21 INTEGRAL COLOR PER SECTION 303-6.3.2 OF THE STD. SPEC., METHOD B. USE A 12"x12" TILE PATTERN).
2. REMOVE EXIST. AC PAVEMENT AND FILL WITH COMPACTED MATERIAL.
3. GRADE AREAS AS SHOWN ON THE PLAN AND TYPICAL SECTION.
4. 10' CURB FACE TRANSITION FROM 0" TO 6".
4A. 7' CURB FACE TRANSITION FROM 0" TO 6".
5. CONSTRUCT 55' OF 18" RCP. (2500D).
6. EXISTING AC SURFACING.
7. CONSTRUCT 15' OF 24" CSP AND CSP FLARED END PER AMERICAN PUBLIC WORKS ASSOCIATION, SOUTHERN CALIFORNIA CHAPTER, STANDARD DRAWING NO. 351-1 (CASE II).
8. 10' AC BERM FACE TRANSITION FROM 0" TO 6".
9. REMOVE BLOCK WALLS.
10. CONTRACTOR MUST VERIFY THE 30" PIPE FLOWLINE ELEV. BEFORE THE CONSTRUCTION OF S.D. MANHOLE.
11. THIS AREA IS LANDSCAPED AND HAS AN ACTIVE SPRINKLER SYSTEM. CONTRACTOR SHALL RESTORE LANDSCAPE, PLANTING AND IRRIGATION SYSTEMS TO PRIOR CONDITION SUCH THAT ALL AREAS ARE PROPERLY AND FULLY LANDSCAPED AND IRRIGATED.
12. REMOVE INTERFERING IRRIGATION STANDPIPE AND APPURTENANCES AND CAP THE END OF REMAINING PIPE.

*AS-BUILT 11-06-03 4H

BENCHMARK NO. : J8-D3

ELEV.: 918.908
LEAD AND TACK IN THE TOP OF CURB 3.5 FEET NORTH OF THE B.C.R. OF THE NORTHWEST CURB RETURN AT PALMYRITA AVENUE AND IOWA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
Michael Katusian
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/04
DATE 2/13/03

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER	KH	2/10/03
TRAFFIC DIVISION		
SURVEYOR		
STREET SERVICES		
CONST. CONCTRACT ADMIN		
PARK & RECREATION DEP.		

APPROVED BY
INTERIM PUBLIC WORKS DIRECTOR
DATE 2/10/03

PALMYRITA-NORTHGATE INTERSECTION IMPROVEMENTS

HORIZ. SCALE: VERT. SCALE:

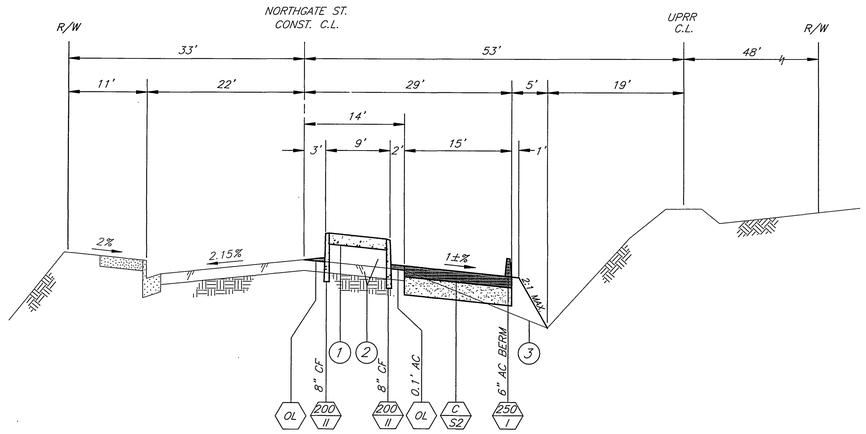
ACCT. NO.: 9538730214-440302XX

R-3627

SHEET 1 OF 4

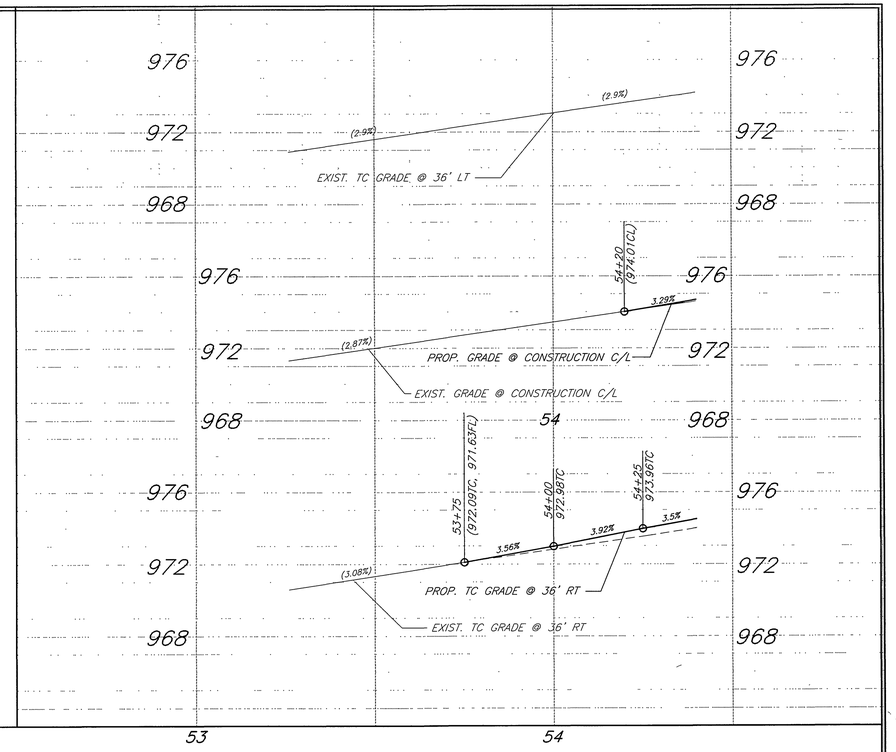
FILE NO.: LFRANK/C/DWG/R3627-1

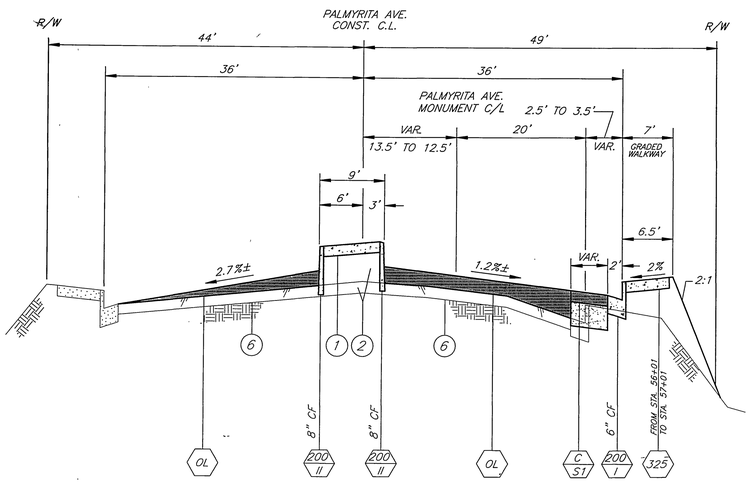
INDEXED 4-29-03 4H



TYPICAL SECTION – NORTHGATE STREET

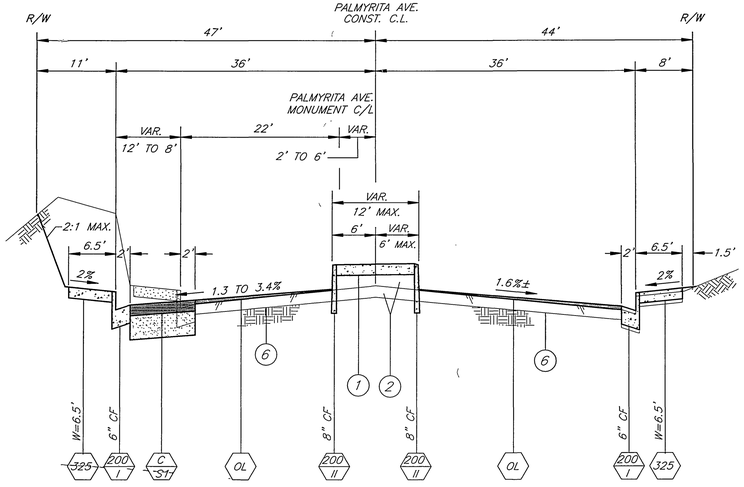
@ STATION 11+00 (NTS)





TYPICAL SECTION – PALMYRITA AVENUE WESTERLY OF NORTHGATE STREET

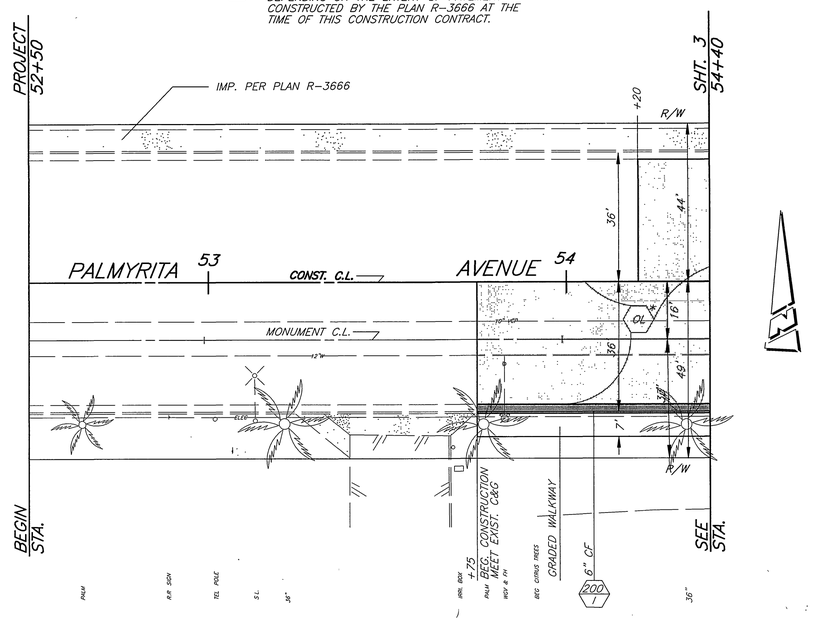
FROM STATION 55+70 TO 55+90 (NTS)



TYPICAL SECTION – PALMYRITA AVENUE EASTERLY OF NORTHGATE STREET

FROM STATION 57+40 TO 57+80 (NTS)

OL* AC OVERLAY IN THIS AREA MAY BE ADJUSTED DEPENDING ON THE EXTENT OF PAVEMENT CONSTRUCTED BY THE PLAN R-3666 AT THE TIME OF THIS CONSTRUCTION CONTRACT.



*AS-BUILT 11-06-03 LH

ENGINEER IN RESPONSIBLE CHARGE

MICHAEL KATUSIAN

R.C.E. No. 36686 expires 6/30/04

DATE 2/13/03

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6-30-04
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
--			

DESIGNED BY: FYE DRAWN BY: FYE CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER	VH	8/20/03
TRAFFIC DIVISION		
SURVEYOR		
STREET SERVICES		
CONST. CONTRACT ADMIN		
PARK- & RECREATION DEP.		

APPROVED BY: Tom Boyd
INTERIM PUBLIC WORKS DIRECTOR
DATE: 12/8/03

PALMYRITA-NORTHGATE INTERSECTION IMPROVEMENTS

ACCT. NO.: 9538730214-440302XX

R-3627

SHEET 2 OF 4

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

FILE NO.: LFRANK/G/DWG/R3627-3

INDEXED 4-29-03 LH

OL AC OVERLAY IN THIS AREA MAY BE ADJUSTED DEPENDING ON THE EXTENT OF PAVEMENT CONSTRUCTED BY THE PLAN R-3666 AT THE TIME OF THIS CONSTRUCTION CONTRACT.

CURVE DATA				
◇	△	R	L	T
15	0°-56'-12.85"	2034'	33.26'	16.63'
14	180°-00'-13.75"	6'	18.85'	-----
13	0°-36'-15.86"	2004'	21.14'	24.97'

CURVE DATA				
◇	△	R	L	T
12	162°-17'-23.70"	4'	11.33'	25.68'
11	1°-19'-08.64"	1992'	45.86'	22.93'
10	7°-09'-59.56"	1998'	249.91'	125.12'
9	7°-03'-18.27"	1962'	241.59'	120.95'
8	55°-11'-02.01"	35'	33.71'	18.29'
7	179°-31'-34.88"	4.5'	14.10	1088.71'

CURVE DATA				
◇	△	R	L	T
6	6°-37'-13.94"	1962'	226.71'	113.48'
5	180°-00'-02.14"	4.5'	14.14'	-----
4	1°-26'-02.29"	1995'	49.93'	24.97'
3	182°-12'-00.55"	9.5'	30.21'	494.73'
2	3°-09'-14.83"	2004'	110.33'	55.17'
1	6°-52'-37.91"	1998'	239.82'	120.05'

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/04
DATE 2/13/03

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
2	Corrected Stationing@U.P.R.R.	MK	7/29/03
1	Added Storm Drain & Lateral from Sta. 54+60 to Sta. 57+01	MK	7/29/03
1	ADD UTILITY & STORM DRAIN INFORMATION	MK	9/5/03

DESIGNED BY: FYL DRAWN BY: FYL CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY:	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER		
TRAFFIC DIVISION		
SURVEYOR		
STREET SERVICES		
CONST. CONTRACT ADMIN.		
PARK & RECREATION DEP.		

APPROVED BY: INTERIM PUBLIC WORKS DIRECTOR
DATE: 2/20/03

PALMYRITA-NORTHGATE INTERSECTION IMPROVEMENTS

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

ACCT. NO.: 9538730214-440302XX

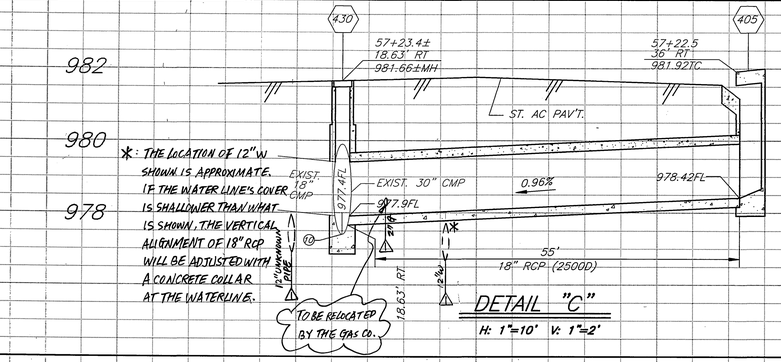
R-3627

SHEET 3 OF 4

FILE NO.: I:FRANK/G/DWG/R3627-4

*AS-BUILT 11-06-03 4H

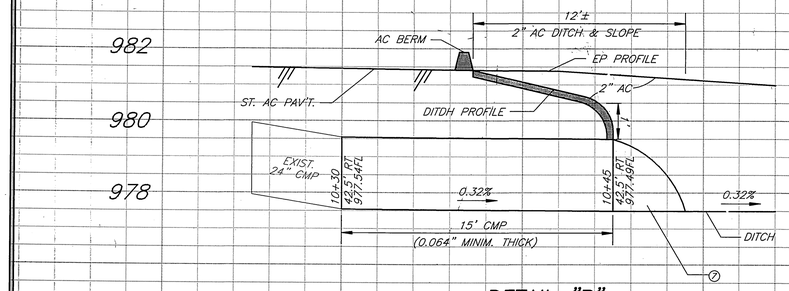
INDEXED 4-29-03 4H



*: THE LOCATION OF 12"W SHOWN IS APPROXIMATE. IF THE WATER LINE'S COVER IS SHALLOWER THAN WHAT IS SHOWN, THE VERTICAL ALIGNMENT OF 18" RCP WILL BE ADJUSTED WITH A CONCRETE COLLAR AT THE WATERLINE.

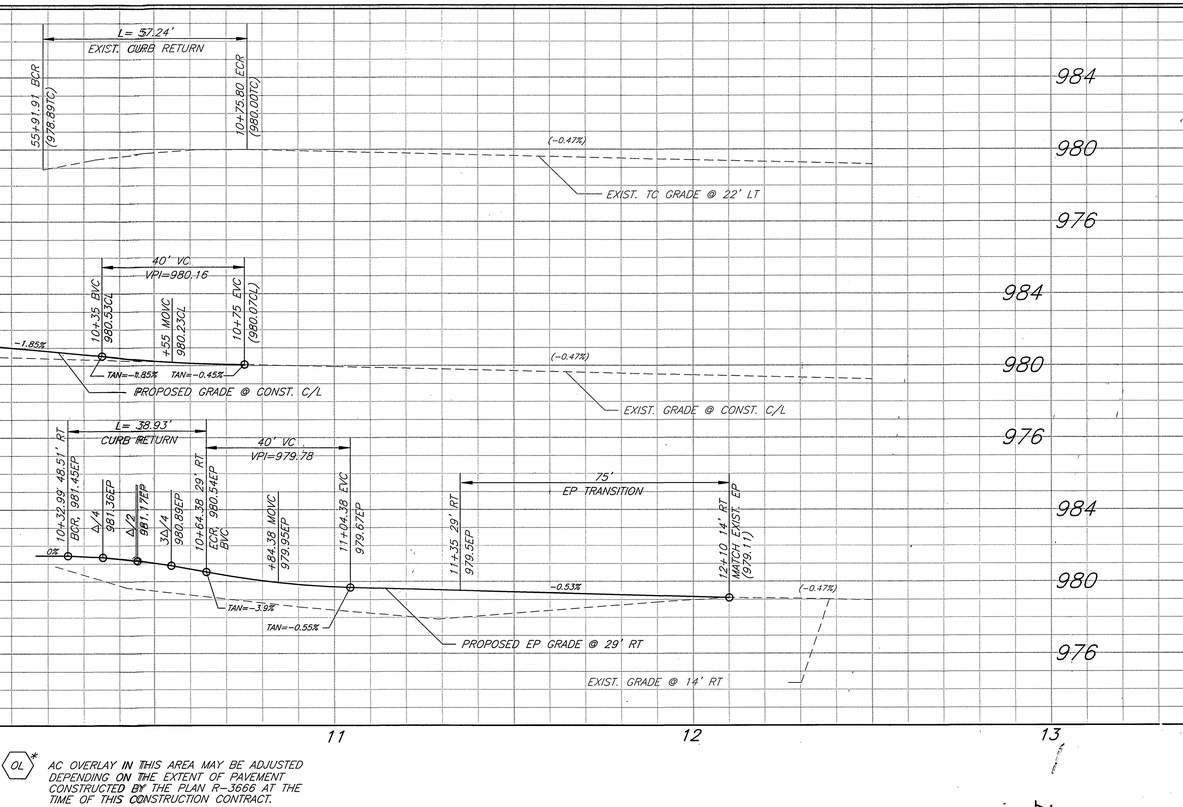
DETAIL "C"

H: 1"=10' V: 1"=2'



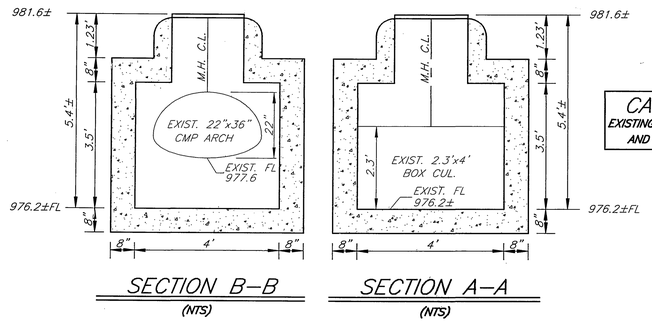
DETAIL "B"

H: 1"=4' V: 1"=2'



DETAIL "A" – PLAN VIEW

(NTS)



SECTION B–B

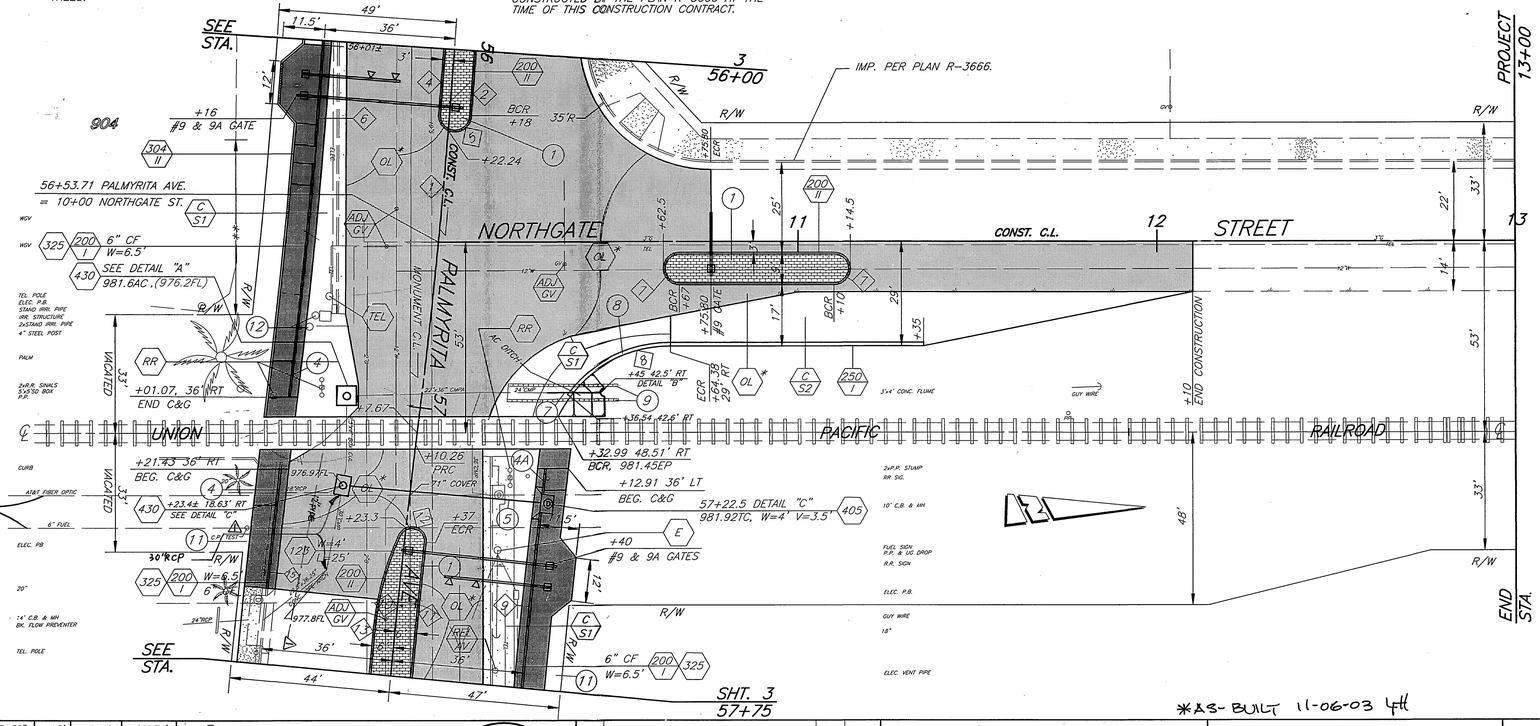
(NTS)

SECTION A–A

(NTS)

**: FROM STA. 56+30 TO STA. 56+80 TRIM/REMOVE ANY INTERFERRING PORTIONS OF EXISTING CITRUS TREES.

OL* AC OVERLAY IN THIS AREA MAY BE ADJUSTED DEPENDING ON THE EXTENT OF PAVEMENT CONSTRUCTED BY THE PLAN R-3666 AT THE TIME OF THIS CONSTRUCTION CONTRACT.



*AS-BUILT 11-06-03 FH

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◇	Δ	R	L	T
CURVE DATA				

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CURVE DATA				

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◇	Δ	R	L	T
CURVE DATA				

ENGINEER IN RESPONSIBLE CHARGE

MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/04
DATE 2/13/03

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6-30-04
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	ADDUTILITY & STORM DRAIN INFORMATION	MK	4/5/03

DESIGNED BY: FYL DRAWN BY: FYL CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER	DA	4/7/03
TRAFFIC DIVISION		
SURVEYOR		
STREET SERVICES		
CONST. CONTRACT ADMIN.		
PARK & RECREATION DEP.		

APPROVED BY: Kenneth Reed
INTERIM PUBLIC WORKS DIRECTOR
DATE: 4/7/03

PALMYRITA-NORTHGATE INTERSECTION IMPROVEMENTS

ACCT. NO.: 9538730214-440302XX

R-3627

SHEET 4 OF 4

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

FILE NO.: LFRANK/CI/DWG/R3627-5

INDEXED 4-29-03 FH