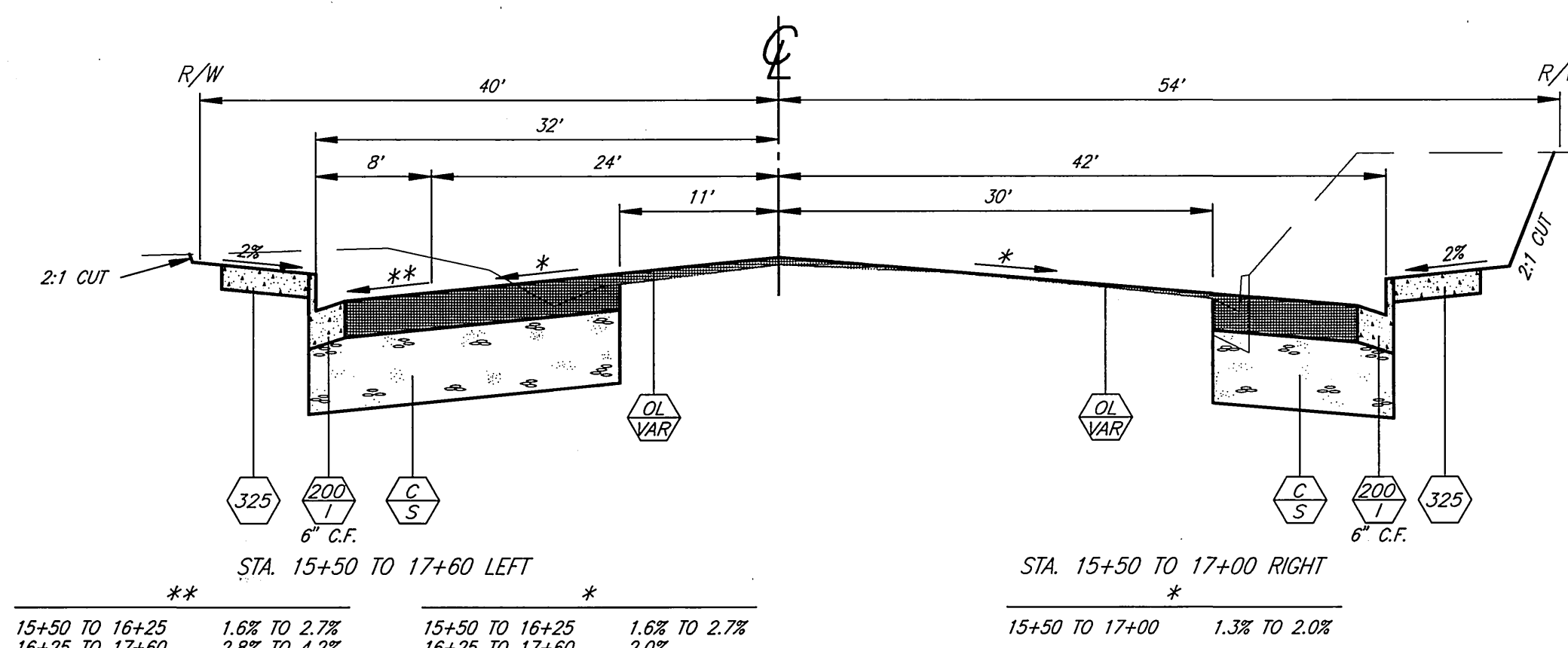


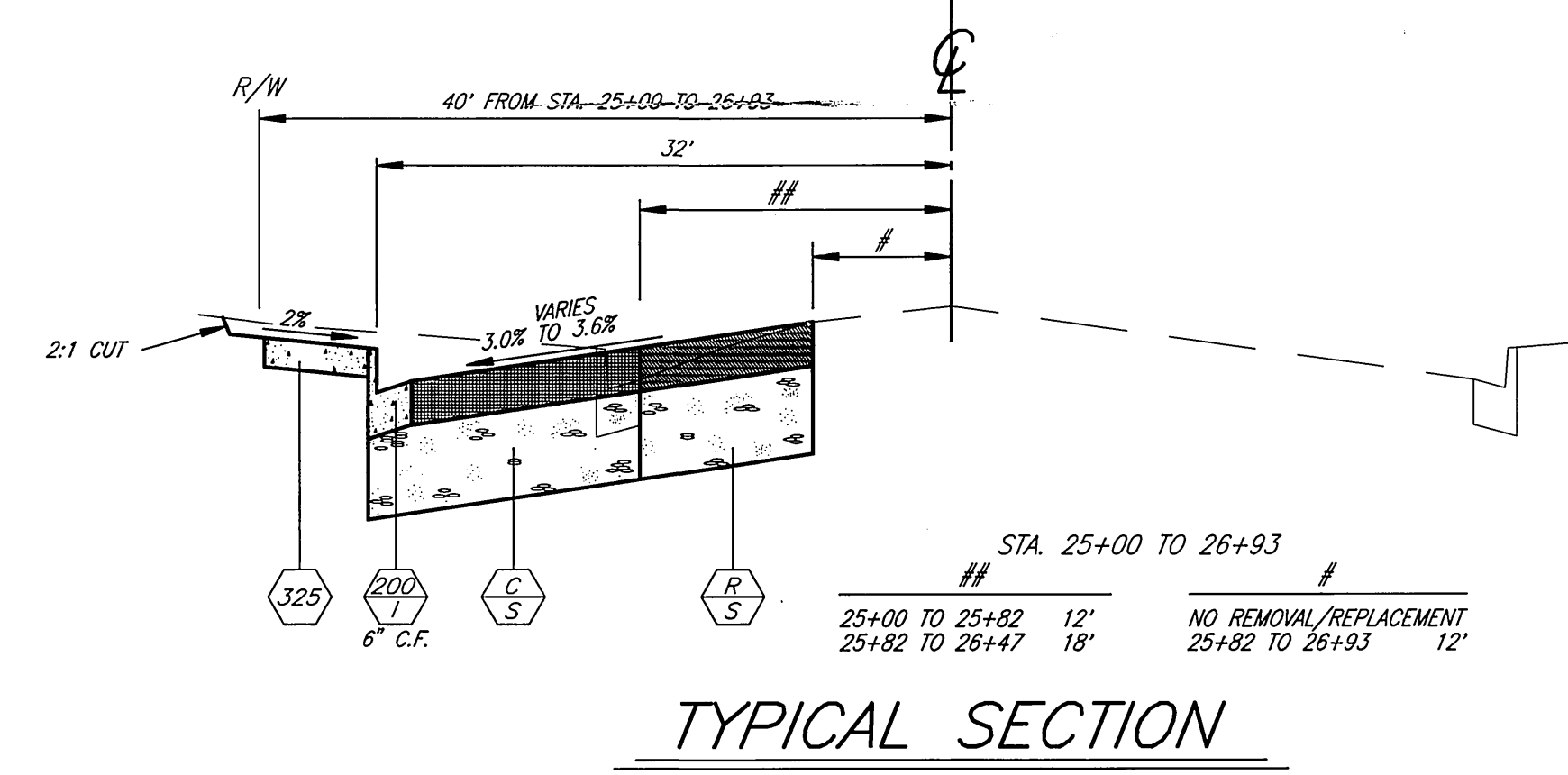
TYPICAL SECTION

SCALE: 1"=10' HORIZ.  
1"=2' VERT.



TYPICAL SECTION

SCALE: 1"=10' HORIZ.  
1"=2' VERT.



TYPICAL SECTION

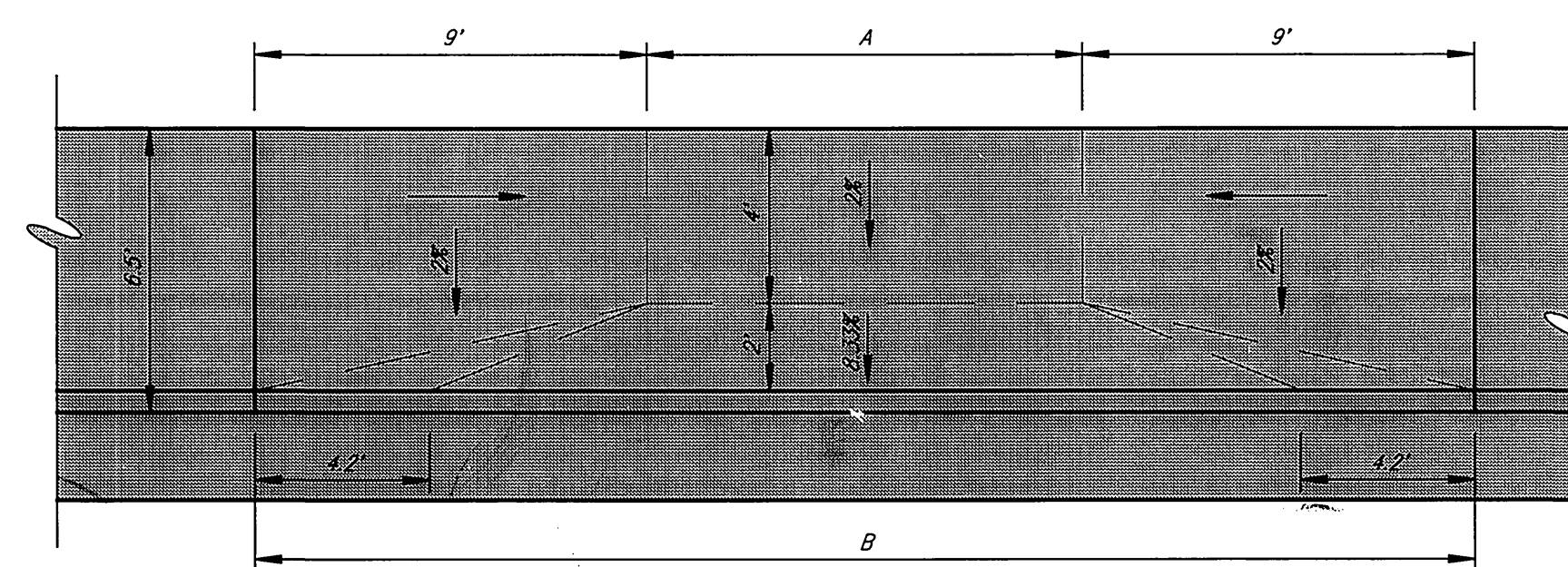
SCALE: 1"=10' HORIZ.  
1"=2' VERT.

GENERAL CONSTRUCTION NOTES

- 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. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN IN THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS "???" INDICATES THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD.
- RIGHTS OF ENTRY HAVE BEEN OBTAINED FOR WORK SHOWN OUTSIDE OF CITY RIGHT OF WAY.
- ALL PERMANENT PAVEMENT DELINEATION WILL BE PERFORMED BY CITY FORCES.

CONSTRUCTION NOTES

- 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 OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- C/S** CONSTRUCT STRUCTURAL SECTION OF 0.50' D.G.A.C. OVER 1.00' C.A.B. OVER COMPACTED NATIVE SOIL.
- R/AC** REMOVE EXIST. ASPHALT PAVING AND ANY REQUIRED BASE MATERIAL AND PLACE 0.50' D.G.A.C. OVER COMPACTED EXISTING SOIL.
- OL/VAR** CONSTRUCT A VARIABLE (0.10' MIN.) THICKNESS D.G.A.C. OVERLAY.
- R** REMOVE EXISTING TREE. CLASS I - 6" TO 18", CLASS II - OVER 18" TO 36", CLASS III - OVER 36".
- 502/M** CONSTRUCT MODIFIED DRIVEWAY APPROACH PER DETAIL SHOWN ON SHEET 1.
- 504/M** CONSTRUCT MODIFIED WHEELCHAIR RAMP PER DETAIL SHOWN ON SHEET 1.
- ADJ** ADJUST SEWER, WATER OR ELECTRIC MANHOLE OR GATE VALVE TO GRADE.
- REL** RELOCATE PALM TREE TO AN OFF-SITE LOCATION AS DIRECTED BY THE URBAN FORESTER, DAVID ROGER, (909) 351-6122. ALL WORK SHALL BE IN ACCORDANCE WITH THE PARK & RECREATION SECTION OF THE SPECIAL PROVISIONS.
- WM/1** WATER METER TO BE RELOCATED BY CITY FORCES.
- WM/2** WATER METER TO BE REMOVED BY CITY FORCES.
- 1** FIRE HYDRANT TO BE RELOCATED BY CITY FORCES.
- 2** POWER POLE AND/OR GUY TO BE RELOCATED BY CITY FORCES.
- 3** CONSTRUCT DRIVEWAY MATCHUP. MATCHUP MATERIAL SHALL MATCH THE EXISTING DRIVEWAY. P.C.C. - 6" THICK, A.C. - 3.5" THICK.
- 4** RELOCATE STREET LIGHT PER P.U.-ELECTRIC DIVISION DRAWING NO. L5-1127.
- 5** CONSTRUCT WHEELCHAIR RAMP PER CALTRANS STD. PLAN NSP 88B, CASE C, WITH THE EXCEPTION THAT THERE WILL BE NO LIP AT THE GUTTER F.L. AND A RETAINING CURB IS REQUIRED AT THE EDGE OF SIDEWALK. WIDTH OF RAMP SHALL BE AS SHOWN ON THE PLAN.

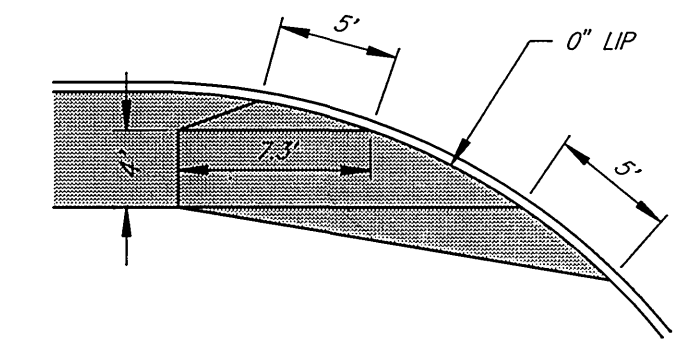


MODIFIED DRIVEWAY APPROACH DETAIL

NOT TO SCALE

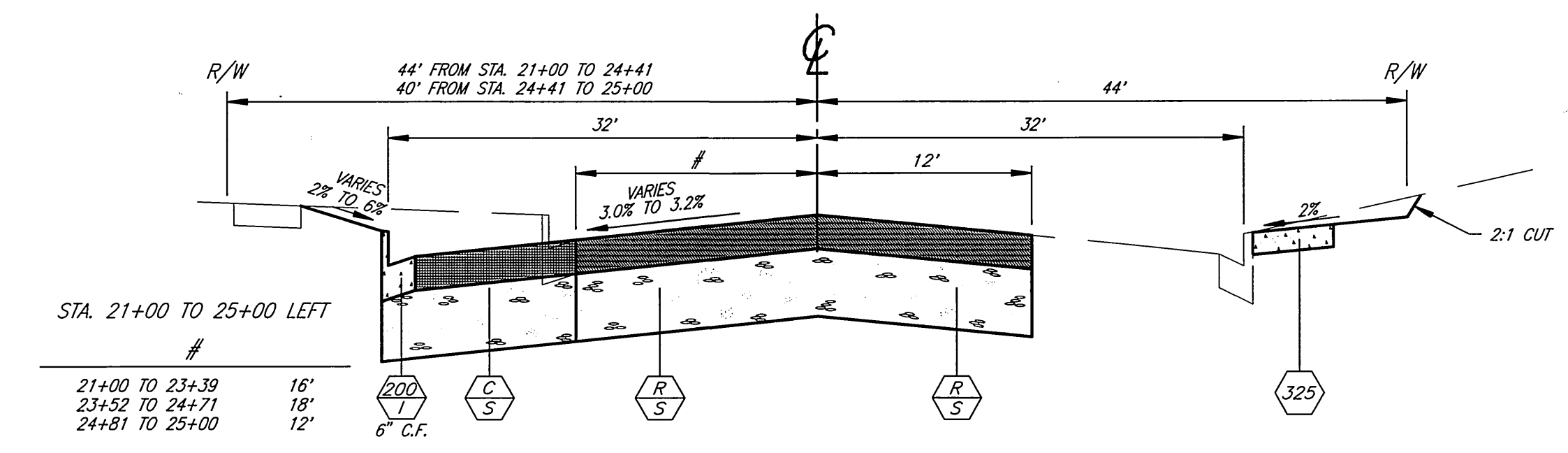
STREET TREE NOTES

- ALL RELATED WORK WITHIN PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARDS AND CITY OF RIVERSIDE STREET TREE POLICIES.
  - CONTACT THE STREET TREE INSPECTOR A MIN. OF 48 HOURS IN ADVANCE AT (909) 351-6126 TO SCHEDULE INSPECTIONS. A FIELD NOTICE WILL BE ISSUED AS WRITTEN APPROVAL FOR EACH STAGE OF INSPECTION. VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUIRED AS FOLLOWS:
    - AFTER COMPLETION OF FINAL GRADING OF THE LOTS AND WHEN ALL UTILITY SERVICES AND SEWER LATERALS HAVE BEEN MARKED, BUT PRIOR TO DIGGING PLANT PITS, ALL FINAL STREET TREE LOCATIONS ARE TO BE SPOTTED IN THE FIELD BY THE STREET TREE INSPECTOR.
    - WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES.
    - AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE.
    - AT END OF MAINTENANCE PERIOD, THE CONTRACTOR SHALL CALL THE STREET TREE INSPECTOR AT (909) 351-6126 FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. CONTRACTOR'S SURETY WILL NOT BE RELEASED UNTIL AFTER RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE TREES PASS FINAL INSPECTION AND THE PARK AND RECREATION DEPT. IS ASSUMING MAINTENANCE RESPONSIBILITY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE TO ACCEPTABLY MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR.
  - BACKFILL OF ALL HOLES CAUSED BY THE REMOVAL OF TREES WITHIN THE PUBLIC RIGHT-OF-WAY PAVEMENT AREA SHALL BE INSPECTED BY THE PUBLIC WORKS INSPECTOR FOR PROPER COMPACTION.
- + INDICATES STREET TREE. STREET TREES SHALL BE GUADALUPE PALM, MIN. 4' BARE TRUNK HEIGHT (BTH) AT 45' INTERVALS.
- NOTE: IN THE INTEREST OF PUBLIC SAFETY AND MAINTENANCE, THE STREET TREE INSPECTOR SHALL HAVE THE AUTHORITY TO REVISE THE STREET TREE QUANTITIES AND LOCATIONS SHOWN ON APPROVED PLANS BASED UPON FIELD CONDITIONS FOUND AT THE TIME OF INSTALLATION OF THE TREES.



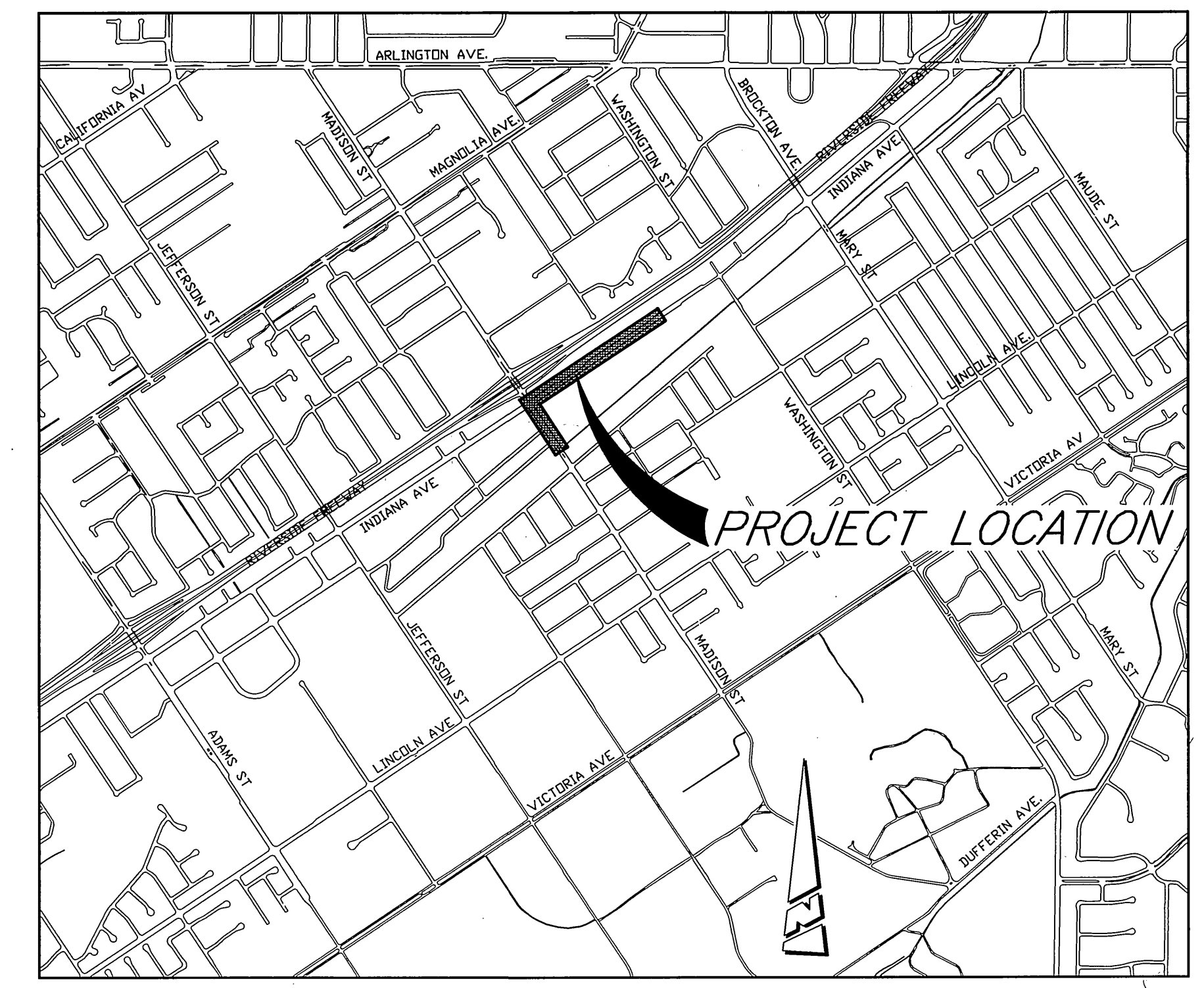
MODIFIED WHEELCHAIR RAMP DETAIL

NOT TO SCALE



TYPICAL SECTION

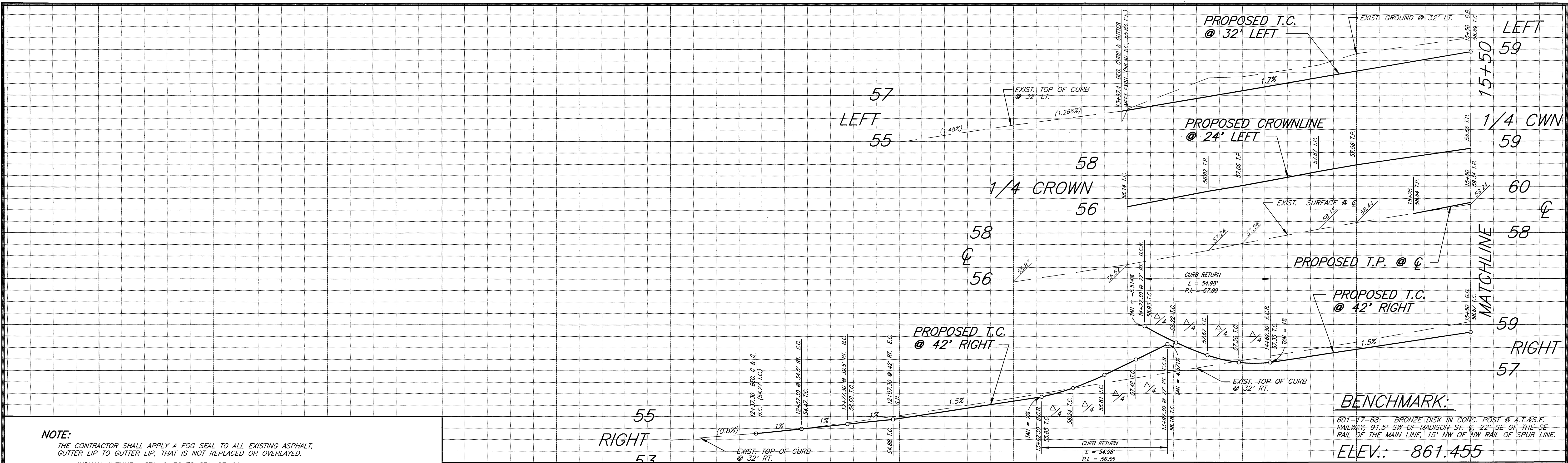
SCALE: 1"=10' HORIZ.  
1"=2' VERT.



PROJECT LOCATION MAP

SCALE: 1" = 1500'

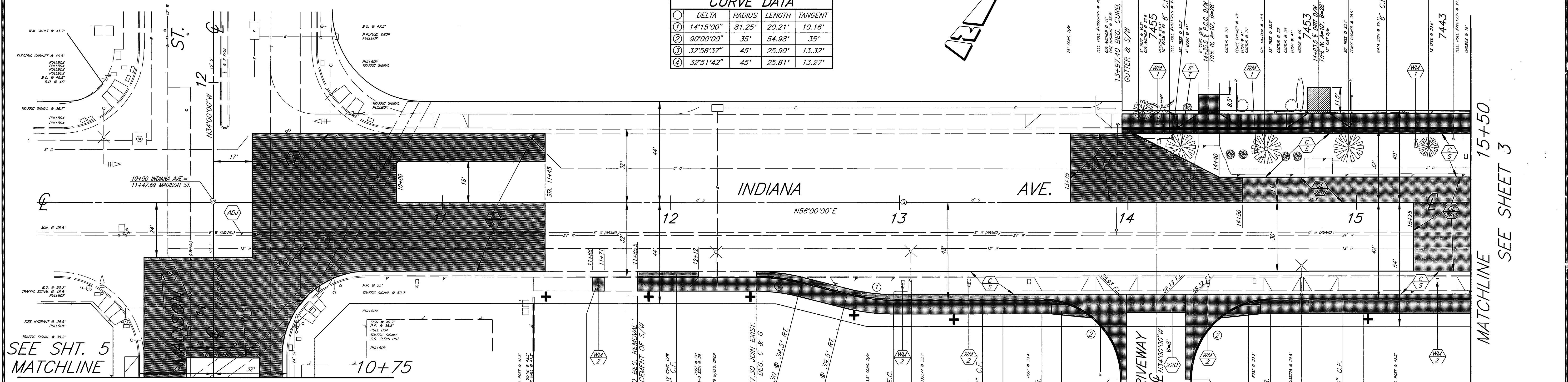
CITY OF RIVERSIDE OVERHEAD & UNDERGROUND APPROVED BY:  DATE: 11-18-96	ENGINEER IN RESPONSIBLE CHARGE  MICHAEL KATUSIAN R.C.E. No. 36686 expires 6/30/00 DATE: 11/18/96		CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		INDIANA AVENUE WIDENING MADISON ST. TO 1,700' EASTERLY	ACCT. NO. 230-541500-440223-30278 <b>R-3446</b> SHEET 1 OF 5 FILE NO.
			DESIGNED BY: KARL    DRAWN BY: KARL    CHECKED BY:	APPROVED BY: DATE: 11/20/96		



**NOTE:**  
 THE CONTRACTOR SHALL APPLY A FOG SEAL TO ALL EXISTING ASPHALT, GUTTER LIP TO GUTTER LIP, THAT IS NOT REPLACED OR OVERLAYED.  
 INDIANA AVENUE: STA. 9+70 TO STA. 27+00  
 MADISON STREET: STA. 4+77 TO STA. 11+77.69

**BENCHMARK:**  
 601-17-68: BRONZE DISK IN CONC. POST @ A.T.&S.F. RAILWAY-91.5'-SW-OF-MADISON-ST. @ 22'-SE-OF-THE-SE RAIL OF THE MAIN LINE, 15' NW OF NW RAIL OF SPUR LINE.  
 ELEV.: 861.455

CURVE DATA				
Δ	RADIUS	LENGTH	TANGENT	
①	14°15'00"	81.25'	20.21'	10.16'
②	90°00'00"	35'	54.98'	35'
③	32°58'37"	45'	25.90'	13.32'
④	32°51'42"	45'	25.81'	13.27'



SEE SHT. 5  
MATCHLINE

MATCHLINE  
SEE SHEET 3

**CONSTRUCTION NOTES**

- (C) CONSTRUCT STRUCTURAL SECTION OF 0.50" D.G.A.C. OVER 1.00" C.A.B. OVER COMPACTED NATIVE SOIL.
- (R) REMOVE EXIST. STRUCTURAL SECTION AND CONSTRUCT STRUCTURAL SECTION OF 0.50" D.G.A.C. OVER 1.00" C.A.B. OVER COMPACTED NATIVE SOIL.
- (OL) CONSTRUCT A VARIABLE THICKNESS (0.10" MIN.) D.G.A.C. OVERLAY.
- (R) REMOVE EXISTING TREE. CLASS I - 6" TO 18", CLASS II - OVER 18" TO 36", CLASS III - OVER 36".
- (302) CONSTRUCT MODIFIED DRIVEWAY APPROACH PER DETAIL SHOWN ON SHEET 1.
- (304) CONSTRUCT MODIFIED WHEELCHAIR RAMP PER DETAIL SHOWN ON SHEET 1.
- (ADJ) ADJUST SEWER, WATER OR ELECTRIC MANHOLE OR GATE VALVE TO GRADE.
- (WM 1) WATER METERS TO BE RELOCATED BY CITY FORCES.
- (WM 2) WATER METERS TO BE REMOVED BY CITY FORCES.
- (2) POWER POLE AND/OR GUY TO BE RELOCATED BY CITY FORCES.
- (3) CONSTRUCT DRIVEWAY MATCHUP. MATCHUP MATERIAL SHALL MATCH THE EXISTING DRIVEWAY. P.C.C. - 6" THICK, A.C. - 3.5" THICK.

+ INDICATES A GUADALUPE PALM, MIN. 4' BTH, TO BE PLANTED BY CONTRACTOR.

**ENGINEER IN RESPONSIBLE CHARGE**  
 MICHAEL KATUSIAN  
 R.C.E. No. 36686 expires 6/30/00  
 DATE: 11/18/96

REGISTERED PROFESSIONAL ENGINEER  
 MICHAEL KATUSIAN  
 No. 36686  
 Exp. 6-30-00  
 CIVIL  
 STATE OF CALIFORNIA

**CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT**

APPROVED BY: [Signature]  
 DEPUTY P.W. DIRECTOR  
 DATE: 11/20/96

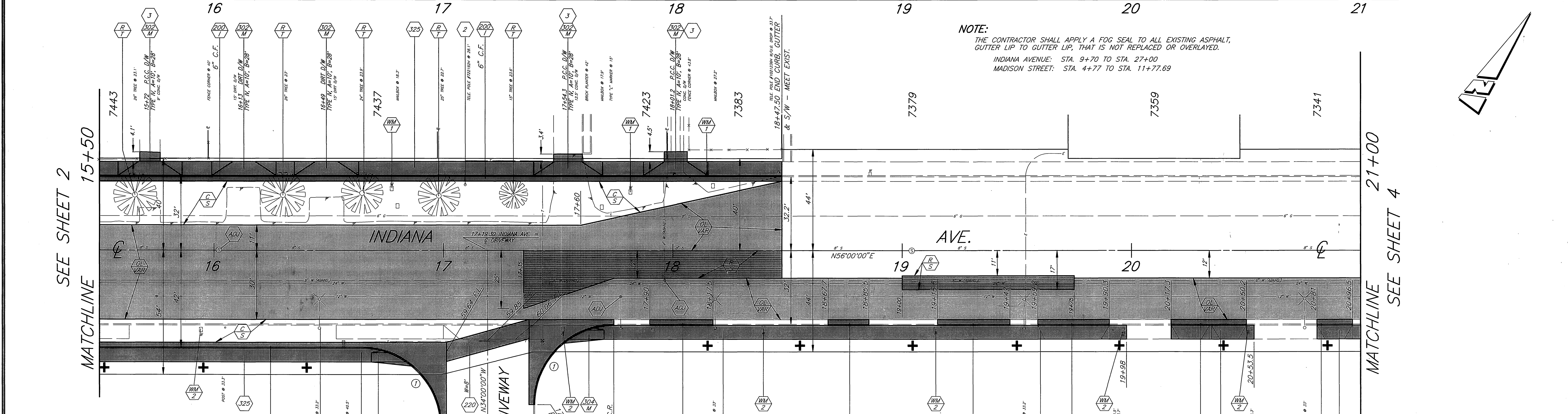
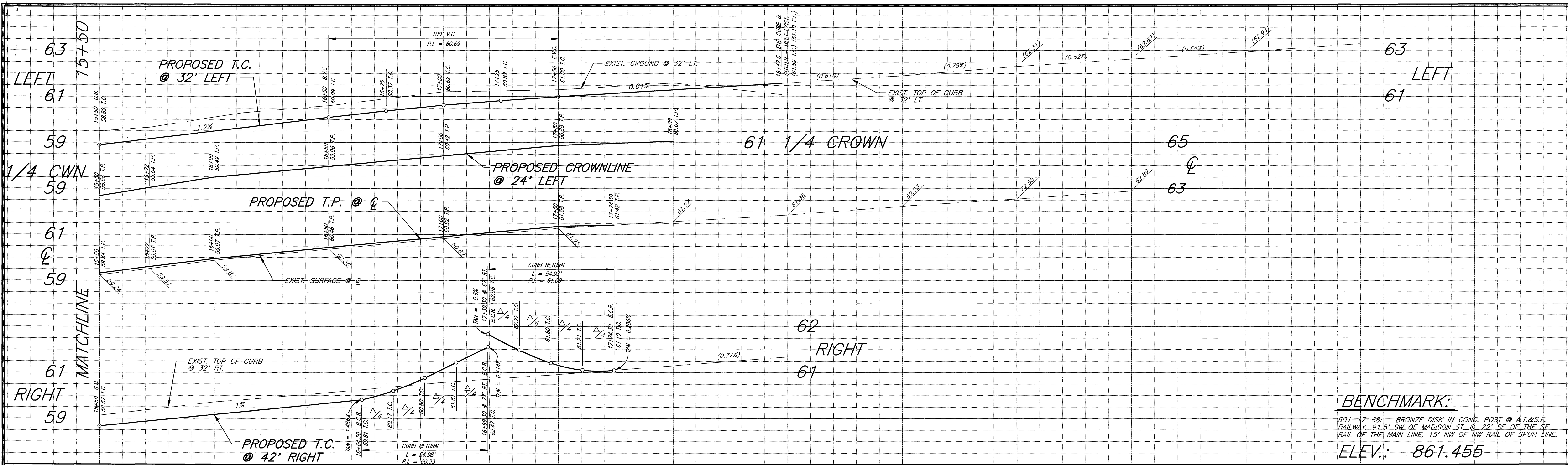
BY: [Signature]  
 PRINCIPAL ENGINEER  
 DATE: 11/20/96

DATE: 11/20/96

**INDIANA AVENUE  
 WIDENING  
 MADISON ST. TO  
 1,700' EASTERLY**

ACCT. NO. 230-541500-440223-30276  
**R-3446**  
 SHEET 2 OF 5  
 FILE NO.

HORIZ. SCALE: 1" = 20'  
 VERT. SCALE: 1" = 2'



**CONSTRUCTION NOTES**

- CONSTRUCT STRUCTURAL SECTION OF 0.50\"/>

- CONSTRUCT DRIVEWAY MATCHUP. MATCHUP MATERIAL SHALL MATCH THE EXISTING DRIVEWAY. P.C.C.-6\"/>

CURVE DATA			
Δ	RADIUS	LENGTH	TANGENT
90°00'00"	35'	54.98'	35'

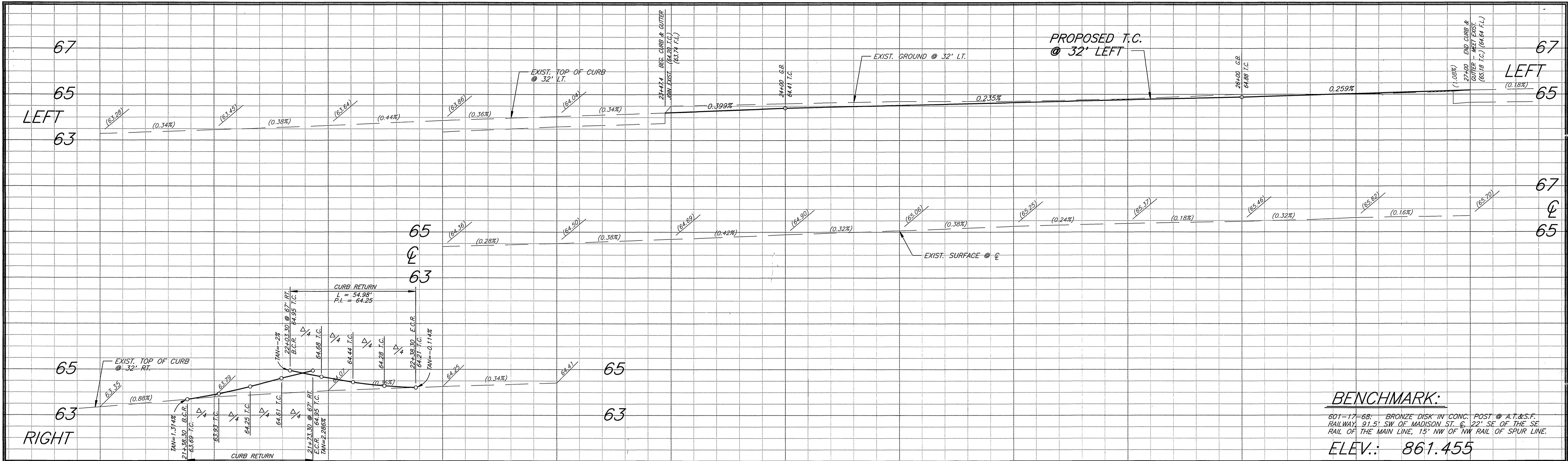
ENGINEER IN RESPONSIBLE CHARGE  
**Michael Katusian**  
 MICHAEL KATUSIAN  
 R.C.E. No. 36686 expires 6/30/00  
 DATE 11/26/96



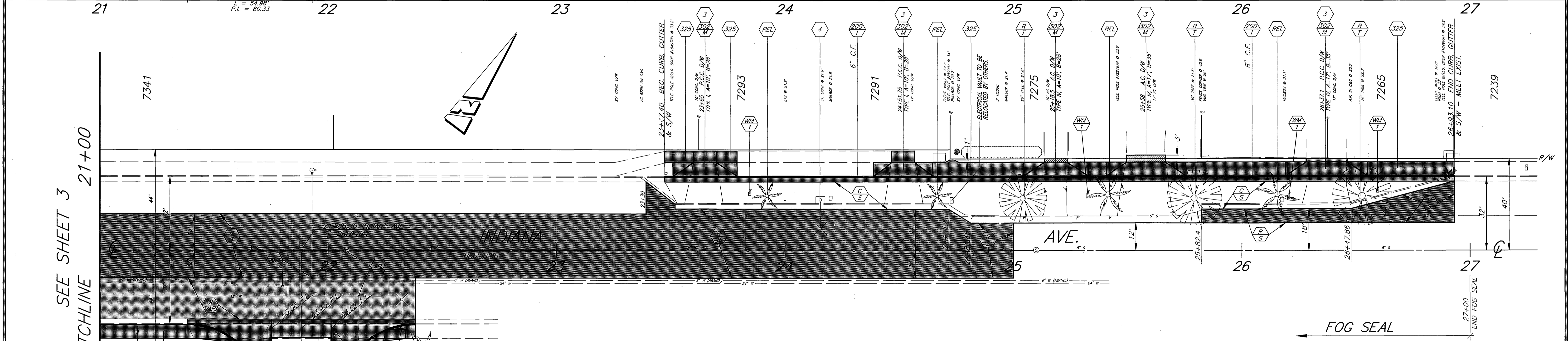
NO.	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: *[Signature]*  
 DATE: 11/26/96

INDIANA AVENUE  
 WIDENING  
 MADISON ST. TO  
 1,700' EASTERLY  
 ACC. NO. 230-541500-440223-30278  
**R-3446**  
 SHEET 3 OF 5  
 HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'  
 FILE NO.



**BENCHMARK:**  
 601-17-68: BRONZE DISK IN CONC. POST @ A.T.&S.F. RAILWAY, 91.5' SW. OF MADISON ST. @ 22' SE. OF THE SE. RAIL OF THE MAIN LINE, 15' NW OF NW RAIL OF SPUR LINE.  
**ELEV.: 861.455**



SEE SHEET 3 MATCHLINE 21+00

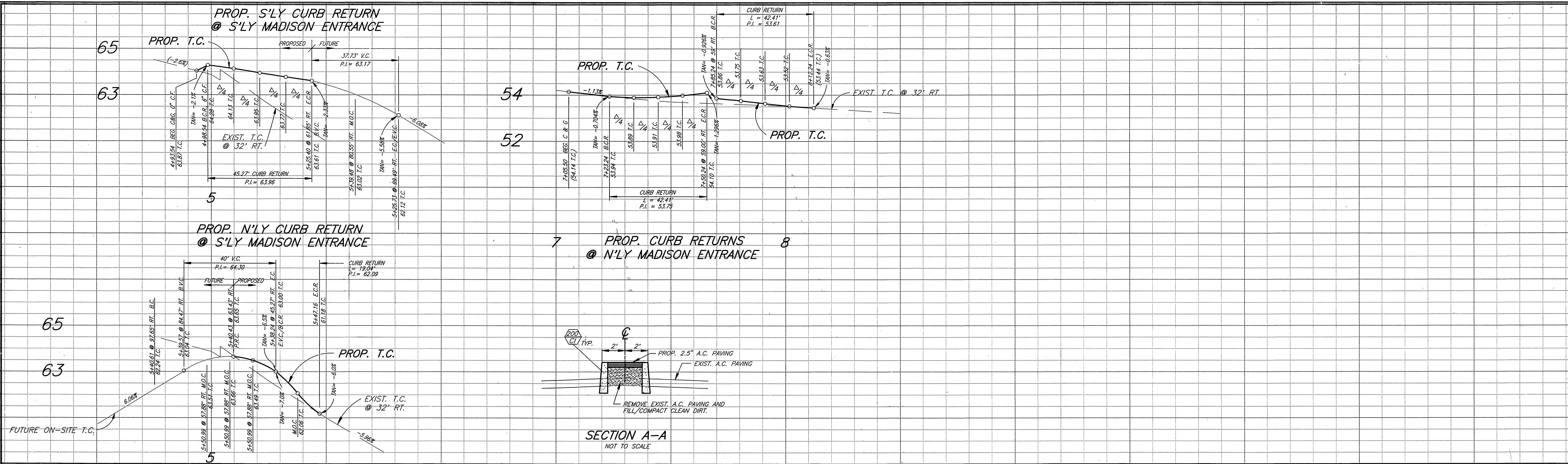
CURVE DATA			
DELTA	RADIUS	LENGTH	TANGENT
90°00'00"	35'	54.98'	35'

**NOTE:**  
 THE CONTRACTOR SHALL APPLY A FOG SEAL TO ALL EXISTING ASPHALT, GUTTER LIP TO GUTTER LIP, THAT IS NOT REPLACED OR OVERLAYED.  
 INDIANA AVENUE: STA. 9+70 TO STA. 27+00  
 MADISON STREET: STA. 4+77 TO STA. 11+77.69

**CONSTRUCTION NOTES**

- (C/S) CONSTRUCT STRUCTURAL SECTION OF 0.50" D.G.A.C. OVER 1.00" C.A.B. OVER COMPACTED NATIVE SOIL.
- (R/S) REMOVE EXIST. STRUCTURAL SECTION AND CONSTRUCT STRUCTURAL SECTION OF 0.50" D.G.A.C. OVER 1.00" C.A.B. OVER COMPACTED NATIVE SOIL.
- (OL/VAR) CONSTRUCT A VARIABLE THICKNESS (0.06" MIN.) D.G.A.C. OVERLAY.
- (R/T) REMOVE EXISTING TREE. CLASS I - 6" TO 18", CLASS II - OVER 18" TO 36", CLASS III - OVER 36".
- (302/M) CONSTRUCT MODIFIED DRIVEWAY APPROACH PER DETAIL SHOWN ON SHEET 1.
- (302/M) CONSTRUCT MODIFIED WHEELCHAIR RAMP PER DETAIL SHOWN ON SHEET 1.
- (ADJ) ADJUST SEWER, WATER OR ELECTRIC MANHOLE OR GATE VALVE TO GRADE.
- (REL) RELOCATE PALM TREE TO AN OFF-SITE LOCATION AS DIRECTED BY THE URBAN FORESTER, DAVID ROGER, (909) 351-6122. ALL WORK SHALL BE IN ACCORDANCE WITH THE PARK & RECREATION SECTION OF THE SPECIAL PROVISIONS.
- (WM 1) WATER METERS TO BE RELOCATED BY CITY FORCES.
- (WM 2) WATER METERS TO BE REMOVED BY CITY FORCES.
- (2) POWER POLE AND/OR GUY TO BE RELOCATED BY CITY FORCES.
- (3) CONSTRUCT DRIVEWAY MATCHUP. MATCHUP MATERIAL SHALL MATCH THE EXISTING DRIVEWAY. P.C.C.-6" THICK, A.C.-3.5" THICK.
- (4) RELOCATE STREET LIGHT PER P.U.-ELECTRIC DIVISION DRAWING NO. L5-1127.

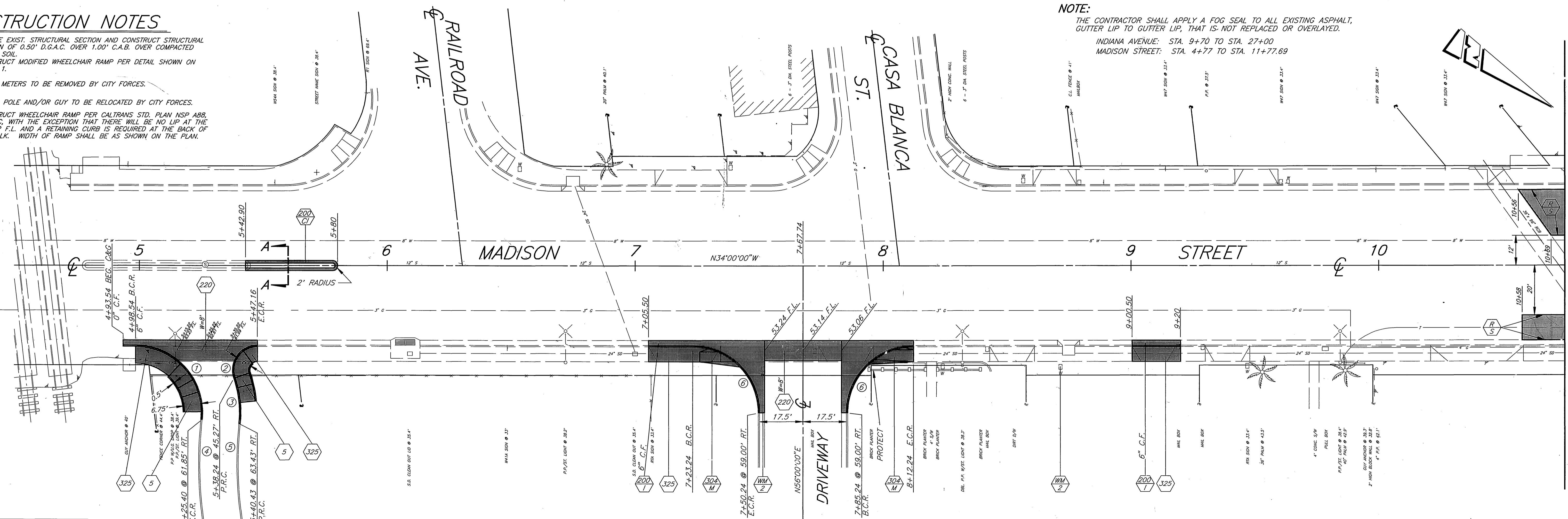
<p>ENGINEER IN RESPONSIBLE CHARGE          Michael Katusian          R.C.E. No. 36686 expires 6/30/00          DATE 11/20/96</p>	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		INDIANA AVENUE WIDENING MADISON ST. TO 1,700' EASTLY	ACCT. NO. 230-541500-440223-30276 <b>R-3446</b> SHEET 4 OF 5 FILE NO.
	DESIGNED BY: KARL DRAWN BY: KARL CHECKED BY:	APPROVED BY: [Signature] DATE: 11/20/96		



**CONSTRUCTION NOTES**

- 1 REMOVE EXIST. STRUCTURAL SECTION AND CONSTRUCT STRUCTURAL SECTION OF 0.50' D.G.A.C. OVER 1.00' C.A.B. OVER COMPACTED NATIVE SOIL.
- 2 CONSTRUCT MODIFIED WHEELCHAIR RAMP PER DETAIL SHOWN ON SHEET 1.
- 3 WATER METERS TO BE REMOVED BY CITY FORCES.
- 4 POWER POLE AND/OR GUY TO BE RELOCATED BY CITY FORCES.
- 5 CONSTRUCT WHEELCHAIR RAMP PER CALTRANS STD. PLAN NSP ABB, CASE C, WITH THE EXCEPTION THAT THERE WILL BE NO LIP AT THE GUTTER F.L. AND A RETAINING CURB IS REQUIRED AT THE BACK OF SIDEWALK. WIDTH OF RAMP SHALL BE AS SHOWN ON THE PLAN.

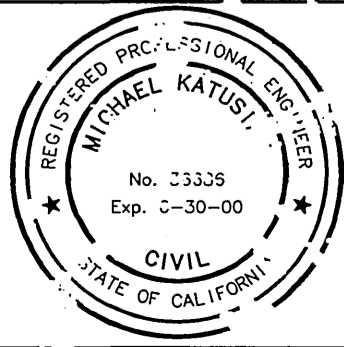
**NOTE:**  
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 INDIANA AVENUE: STA. 9+70 TO STA. 27+00  
 MADISON STREET: STA. 4+77 TO STA. 11+77.69



①	DELTA	RADIUS	LENGTH	TANGENT
①	96°04'09"	27'	45.27'	30.02'
②	109°04'56"	10'	19.04'	14.04'
③	25°08'39"	42'	18.43'	9.36'
④	13°06'05"	165'	37.73'	18.95'
⑤	13°06'05"	150'	34.30'	17.22'
⑥	90°00'00"	27'	42.41'	27'

**BENCHMARK:**  
 601-17-68: BRONZE DISK IN CONC. POST @ A.T.&S.F. RAILWAY, 91.5' SW OF MADISON ST. C. 22' SE OF THE SE. RAIL OF THE MAIN LINE, 15' NW OF NW RAIL OF SPUR LINE.  
**ELEV.: 861.455**

ENGINEER IN RESPONSIBLE CHARGE  
*Michael Katousian*  
 MICHAEL KATOUSIAN  
 R.C.E. No. 36626 expires 6/30/00  
 DATE: 11/14/96



CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: *[Signature]*  
 DEPUTY P.W. DIRECTOR  
 DATE: 11/20/96

INDIANA AVENUE  
 WIDENING  
 MA. 5'N ST. TO  
 1,700' EASTERLY

ACCT. NO. 230-541500-440223-37976  
**R-3446**  
 SHEET 5 OF 5  
 FILE NO.

MATCHLINE 10+75 SEE SH. 2