

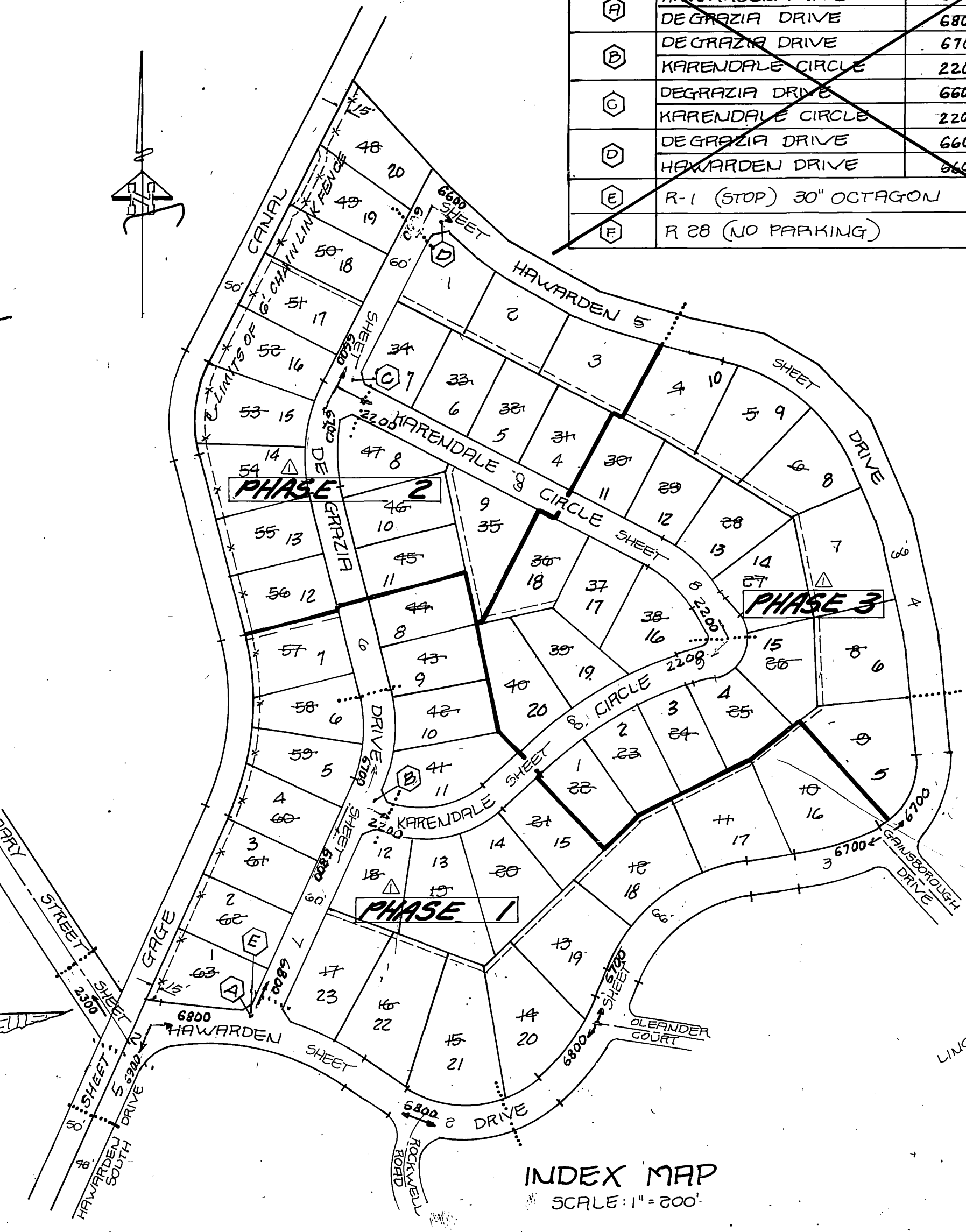
GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF THE LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION, 1979 EDITION.
- THE EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS TO A SMOOTH STRAIGHT LINE CONSTRUCTED SHALL BE SHOWN ON PLAN AND OVERLAY BE DIRECTED TO THE FIELD TO PRODUCE A SMOOTH SECTION. ENGINEER ESTIMATES OVERLAY TO BE 75 TONS.
- CONSTRUCT DRIVEWAY APPROACHES PER STD. DWG. 308 EXACT SIZE AND LOCATION TO BE DETERMINED AT THE TIME OF CONSTRUCTION AS APPROVED BY THE TRAFFIC ENGINEER.
- CURB AND GUTTER SHALL BE STAKED WITH 3' OFFSETS AT 25' INTERVALS.
- ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
- THE SUBDIVIDER SHALL ARRANGE FOR A SOIL TEST TO BE MADE BY A SOILS ENGINEER AFTER THE STREETS HAVE BEEN PREPARED TO ROUGH GRADE. DEPTH OF BASE MATERIAL AND A.C. PAVING SHALL BE DETERMINED BY THE CITY OF RIVERSIDE DESIGN STANDARDS AND TEST PROCEDURES.
- SEE "STREET LIGHTING PLANS" FOR QUANTITY AND LOCATION OF REQUIRED STREET LIGHTS.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
- THE CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DEPARTMENT TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION TO NEGOTIATE THE COST OF THE CITY'S PORTION OF THE WORK.
- IN ORDER TO COORDINATE THE CITY'S PORTION OF THE WORK, THE DEVELOPER SHALL GIVE THE CITY 90 DAYS NOTICE IN ORDER THAT THE DEVELOPER AND THE CITY'S WORK MAY BE INSTALLED CONCURRENTLY. THE DEVELOPER SHALL PREPARE AND COMPACT ROUGH SUBGRADE (1") AND IS RESPONSIBLE FOR THE CONDITION OF THE SUBGRADE UNTIL ACCEPTED BY THE CITY AND THE CITY CONTRACTOR STARTS WORKING. THE DEVELOPER IS ALSO RESPONSIBLE FOR BARRICADING DURING THIS TIME.
- ALL TESTING AND CERTIFICATION OF THE TREATED BASE WILL BE AT THE DEVELOPER'S COST.
- 6" x 6" BLOCKOUTS FOR MANHOLES REQUIRED IN CURB SIDE.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE CITY.
- ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE, PARK AND RECREATION DEPARTMENT STANDARDS.
- CONTACT THE PARK PROJECTS INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT 787-7633 TO SCHEDULE INSPECTIONS. INSPECTIONS SHALL BE REQUIRED: A) WHEN PLANT LOCATIONS HAVE BEEN SPOTTED IN THE FIELD PRIOR TO DIGGING PLANT PITS; B) WHILE DIGGING PLANT PITS AND PLANTING RELOCATING TREES; C) AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED FOR START OF MAINTENANCE; AND D) AT END OF MAINTENANCE / FINAL ACCEPTANCE. CONTRACTOR / DEVELOPER WILL BE RELEASED FROM MAINTENANCE ONLY UPON RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PARK AND RECREATION DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES.
- THE CONTRACTOR / DEVELOPER SHALL MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR.
- STREET TREE PLANTING SHALL BE AS FOLLOWS:

STREET NAME	BOTANICAL NAME / COMMON NAME	AMT. - SIZE	APPROX. SPACING
HAWARDEN DRIVE	RELOCATE 8 PALM TREES AS SHOWN		
DE GRAZIA DRIVE	ULMUS PARVIFOLIA SEMPERVIRENS / EVERGREEN ELM	15 GAL.	55'
KARENDALE CIRCLE	JACARANDA PIMOSABOLIA / JACARANDA	15 GAL.	60'
- A PUBLIC WORKS DEPARTMENT PERMIT IS REQUIRED PRIOR TO COMMENCEMENT OF TREE RELOCATION AND/OR REMOVAL WORK. FOR ALL TREES WITHIN THE URBANITE PAVEMENT AREA, BARRIALL OF ALL HOLES IS TO BE INSPECTED BY THE CITY FOR PROPER CONSTRUCTION.
- DEVELOPER TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND TO ALLOW THE CITY TEN (10) WORKING DAYS FOR COMPLETION OF WORK 787-7611.

CONST. STREET NAME SIGNS PER STD. 662-R & 666

STREET SIGN SCHEDULE		
SYMBOL	DESCRIPTION	BLOCK NUMBER
(A)	HAWARDEN DRIVE	6800
(B)	DE GRAZIA DRIVE	6800
(C)	DE GRAZIA DRIVE	6700
(D)	KARENDALE CIRCLE	2200
(E)	DE GRAZIA DRIVE	6600
(F)	KARENDALE CIRCLE	2200
(G)	DE GRAZIA DRIVE	6600
(H)	HAWARDEN DRIVE	6600
(I)	R-1 (STOP) 30" OCTAGON	
(J)	R-28 (NO PARKING)	



TYPICAL SECTIONS HAWARDEN DRIVE
 SCALE: HORIZ. 1"=5' VERT. 1"=2'
 *CITY PARTICIPATION STA. 13+80.57 TO STA. 14+30.75 (SEE SHEET 2)
 T.I. = 5

- CONSTRUCTION NOTES**
- REMOVE EXISTING A. C. PAVEMENT
 - CONST. VARIABLE THICKNESS A. C. OVERLAY PAVEMENT
 - CONST. 25" A.C. OVER & D.G.
 - CONST. TYPE I CURB & GUTTER (C.G.F.) PER STD. 200.
 - REMOVE EXISTING CURB & GUTTER
 - CONST. CURB SIDEWALK AND MEANDERING SIDEWALK PER STD. 305
 - PHASE 2" X 4" LEECHWOOD HEADER

CITY OF RIVERSIDE
 ELECTRIC DIVISION
 APP'D BY: *[Signature]*
 DATE: 11-19-81

SPECIAL TELEPHONE
 APP'D BY: *[Signature]*
 DATE: 11-19-81

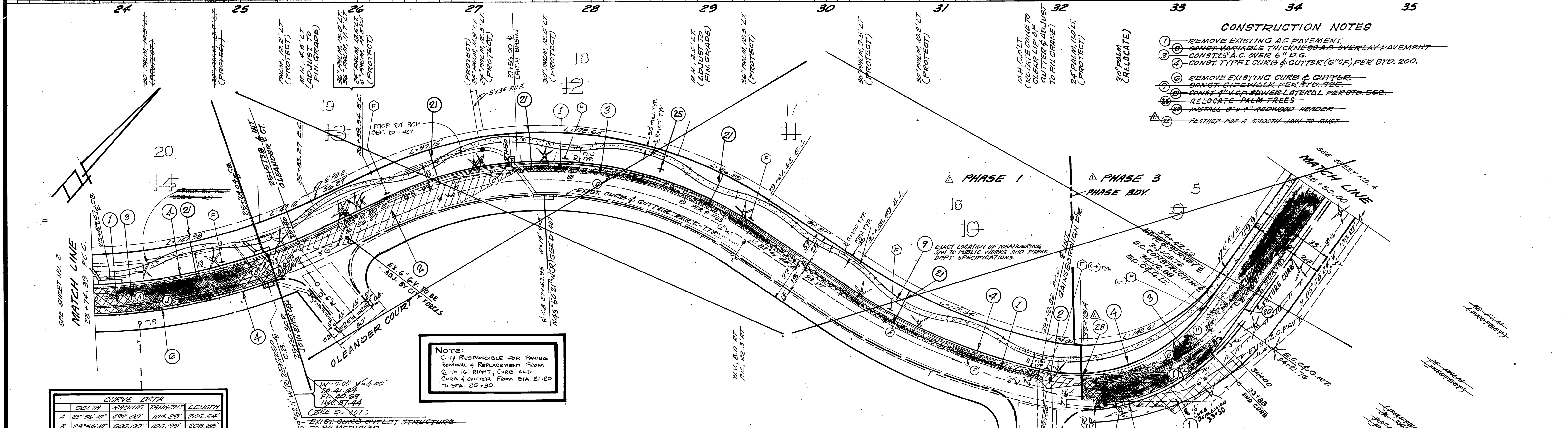
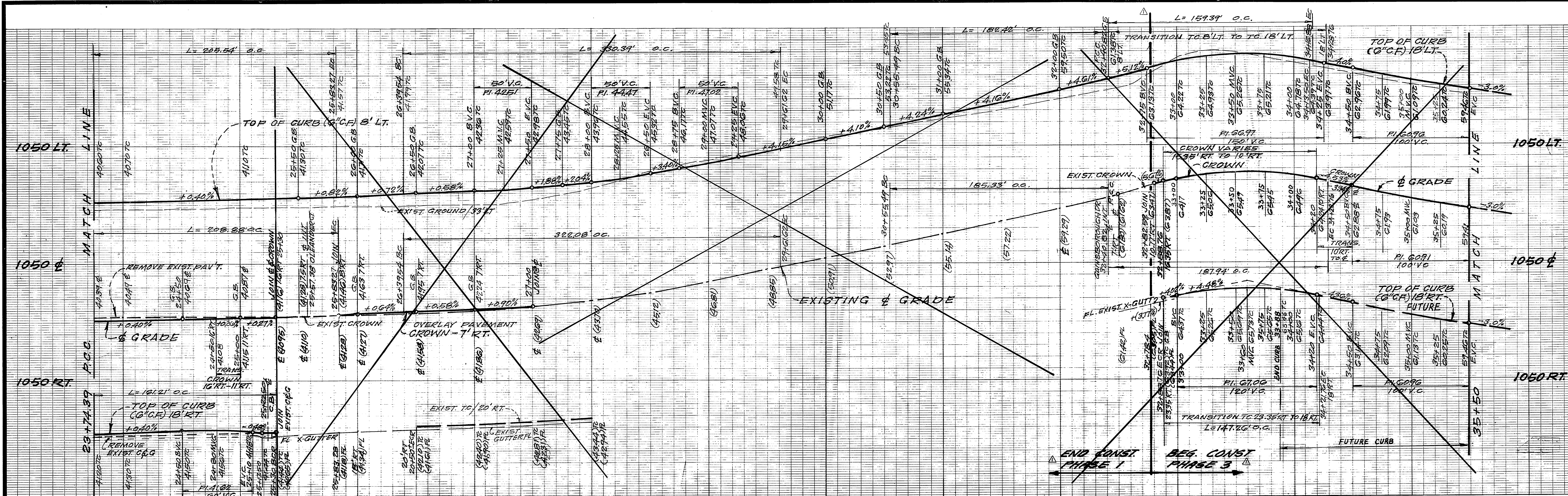
HAWKINS, ROBERTSON & ASSOCIATES
 ENGINEERS SURVEYORS
 3756 ELIZABETH STREET RIVERSIDE, CALIFORNIA 92506
 DATE: 7/31/81

MARK	REVISIONS	APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

HAWARDEN DRIVE
CITY PARTICIPATION
WITH TR-10005

ACCOUNT No. 30-575-367
 DRAWING NUMBER
R-2424-A
 SHEET 1 OF 3



- CONSTRUCTION NOTES**
- 1 REMOVE EXISTING A.C. PAVEMENT.
 - 2 CONST. VARIABLE THICKNESS A.C. OVERLAY PAVEMENT.
 - 3 CONST. A.C. OVER 8" A.C.G.
 - 4 CONST. TYPE I CURB & GUTTER (G.C.F.) PER STD. 200.
 - 5 REMOVE EXISTING CURB & GUTTER.
 - 6 CONST. SIDEWALK PER STD. 325.
 - 7 CONST. A.V.G.P. SEWER LATERAL PER STD. 500.
 - 8 RELOCATE PALM TREES.
 - 9 INSTALL 8" x 4" REDWOOD MEMBER.
 - 10 FEATHER FOR A SMOOTH JOIN TO EXIST.

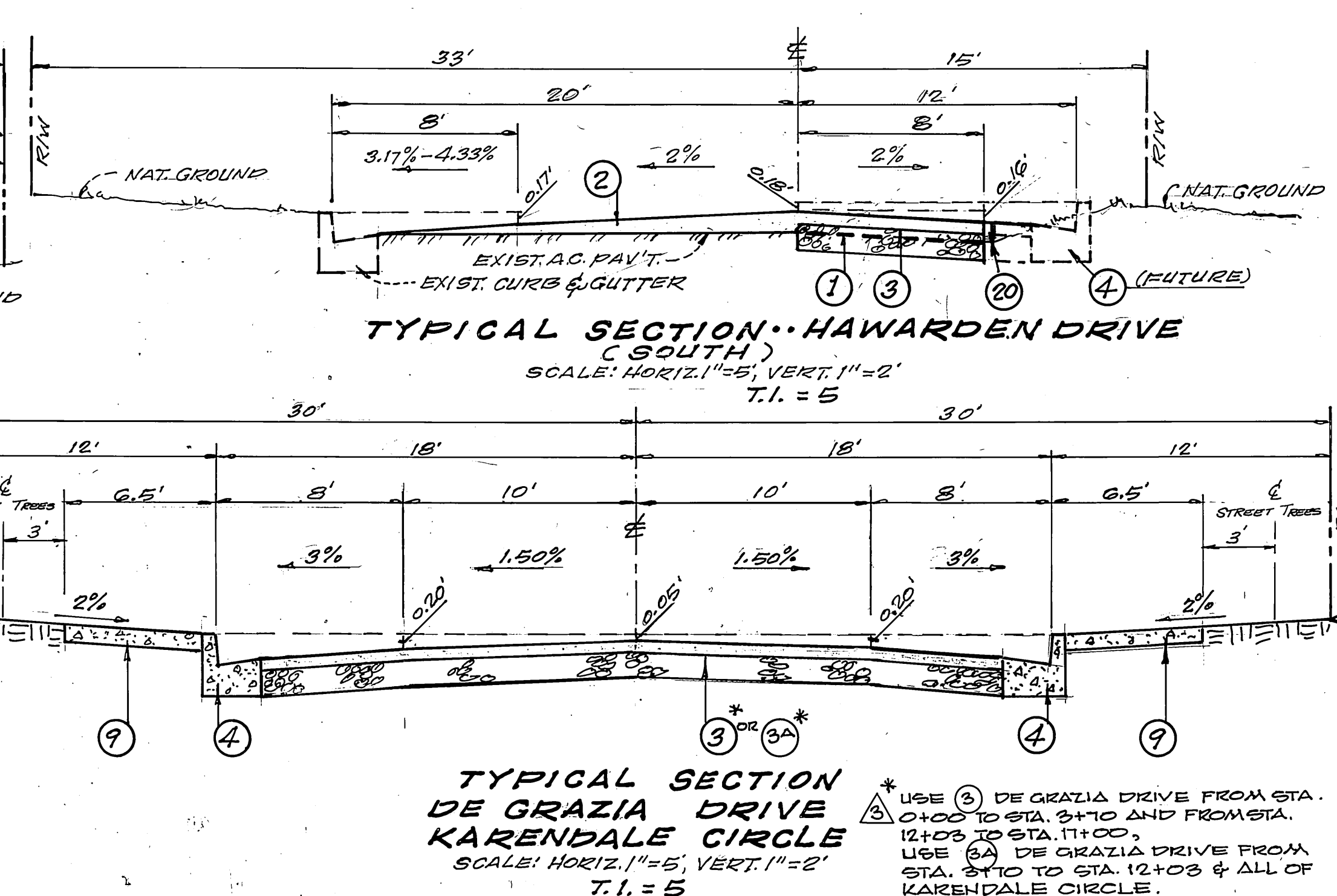
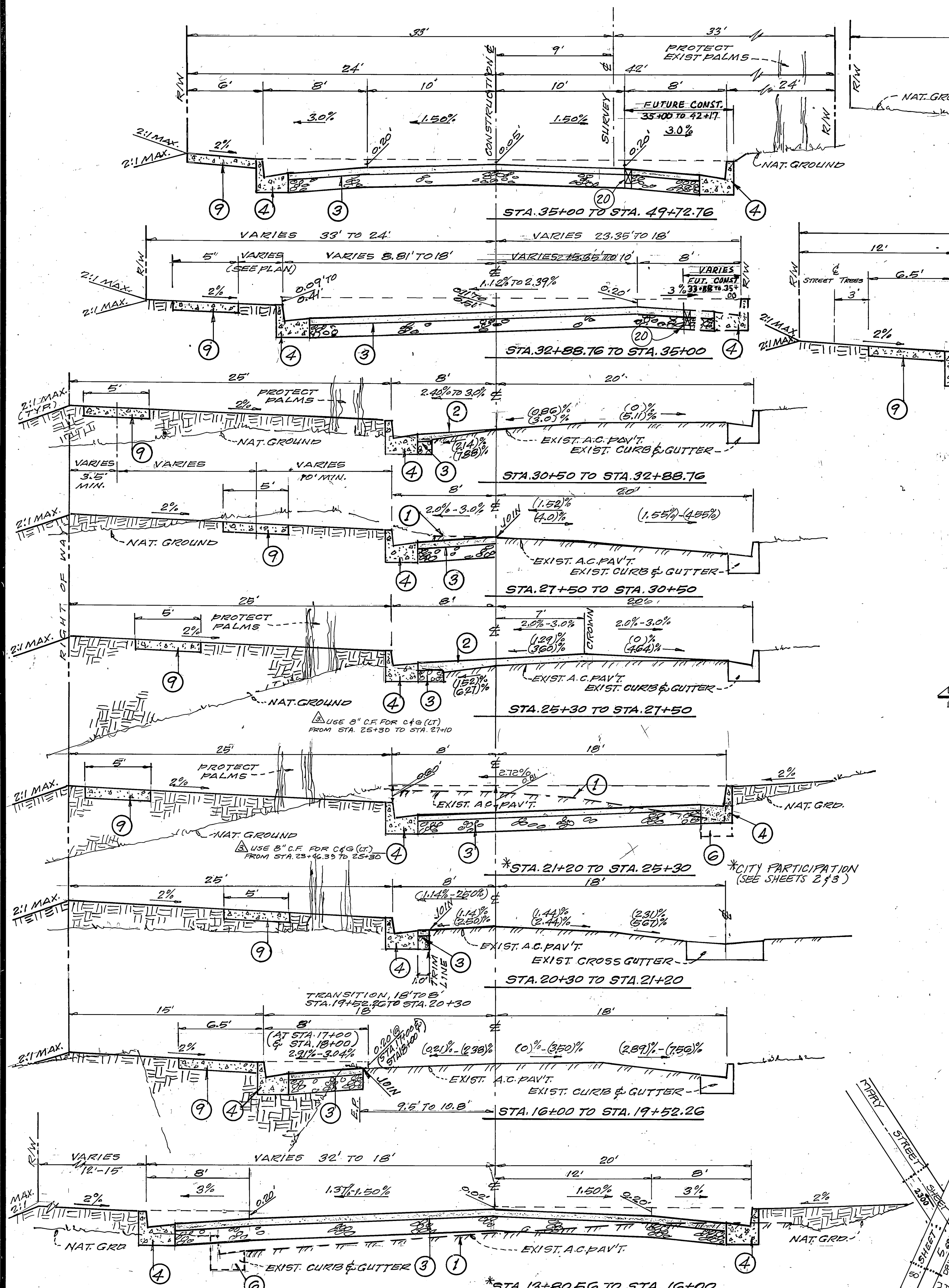
NOTE:
CITY RESPONSIBLE FOR PAVING
REMOVAL & REPLACEMENT FROM
6' TO 10' RIGHT, CURB AND
CURB & GUTTER FROM STA. 21+20
TO STA. 25+30.

CURVE DATA			
DELTA	RADIUS	TANGENT	LENGTH
A 23°56'10"	492.00'	124.29'	205.54'
B 23°56'10"	500.00'	125.29'	208.88'
C 59°31'44"	310.00'	151.86'	332.39'
D 59°31'44"	310.00'	151.86'	332.39'
E 20°49'14"	510.00'	93.70'	109.35'
F 20°49'14"	510.00'	93.70'	109.35'
G 17°21'54"	518.00'	81.20'	161.21'

HAWARDEN DRIVE

PACIFIC TELEPHONE CO. APPROVED BY: <i>John A. Kelly</i> 11-19-81 DATE	CITY OF RIVERSIDE DOMESTIC SYSTEM APPROVED BY: <i>John A. Kelly</i> WATER SYSTEMS MANAGER DATE SOUTHERN CALIFORNIA GAS CO. APPROVED BY: <i>Ol McNamee</i> 10/15/81 DATE	HAWKINS, ROBERTSON & ASSOC. ENGINEERS - SURVEYORS 3756 ELIMINATED ST. RIVERSIDE CALIF. R.C.E. 1081-0528 DATE: 7/31/81 DRAWN BY: <i>Dale D. Deaton</i> CHECKED BY: <i>Dale D. Deaton</i> BENCH MARK: FD. BARRIS DING STAMPED (78-4) MARKED @ NITE. FACTORY TRAIL & WASHINGTON ST. F.B. 185.19 EL. 924.700	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: PRINCIPAL ENGINEER: <i>William D. Harlan</i> DATE: 12-30-85 TRAFFIC DIVISION: <i>12/27/85</i> CHIEF P. W. ENGR.	HAWARDEN DRIVE CITY PARTICIPATION WITH TR-10005 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 5' INDEXED D.N. PROJECT NO. 30-575-367 R-2424-A SHEET 3 OF 3 FILE NO.
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ADAPTED FROM PLAN R-2424



TYPICAL SECTIONS HAWARDEN DRIVE
 SCALE: HORIZ. 1"=5' VERT. 1"=2'
 T.I. = 5

- CONSTRUCTION NOTES**
- REMOVE EXISTING A.C. PAVEMENT
 - CONST. VARIABLE THICKNESS A.C. OVERLAY PAVEMENT PER STD. 302
 - CONST. 2" A.C. OVER 6" D.G. C.A.B. (R-33)
 - CONST. TYPE I CURB & GUTTER (C.C.F.) PER STD. 200.
 - REMOVE EXISTING CURB & GUTTER.
 - CONST. 2" X 4" SIDEWALK AND MEANDERING SIDEWALK PER STD. 302.
 - PLACE 2" X 4" REDWOOD HEADER.
 - CONST. 2 1/2" A.C. OVER COMPACTED NATIVE (R-72)

CITY OF RIVERSIDE
 ELECTRIC DIVISION
 APP'D BY: *[Signature]* 11-19-81
 DATE: 11-19-81
 CHIEF UTILITIES ENGINEER ELECTRIC

PACIFIC TELEPHONE
 APP'D BY: *[Signature]* 11-19-81
 DATE: 11-19-81

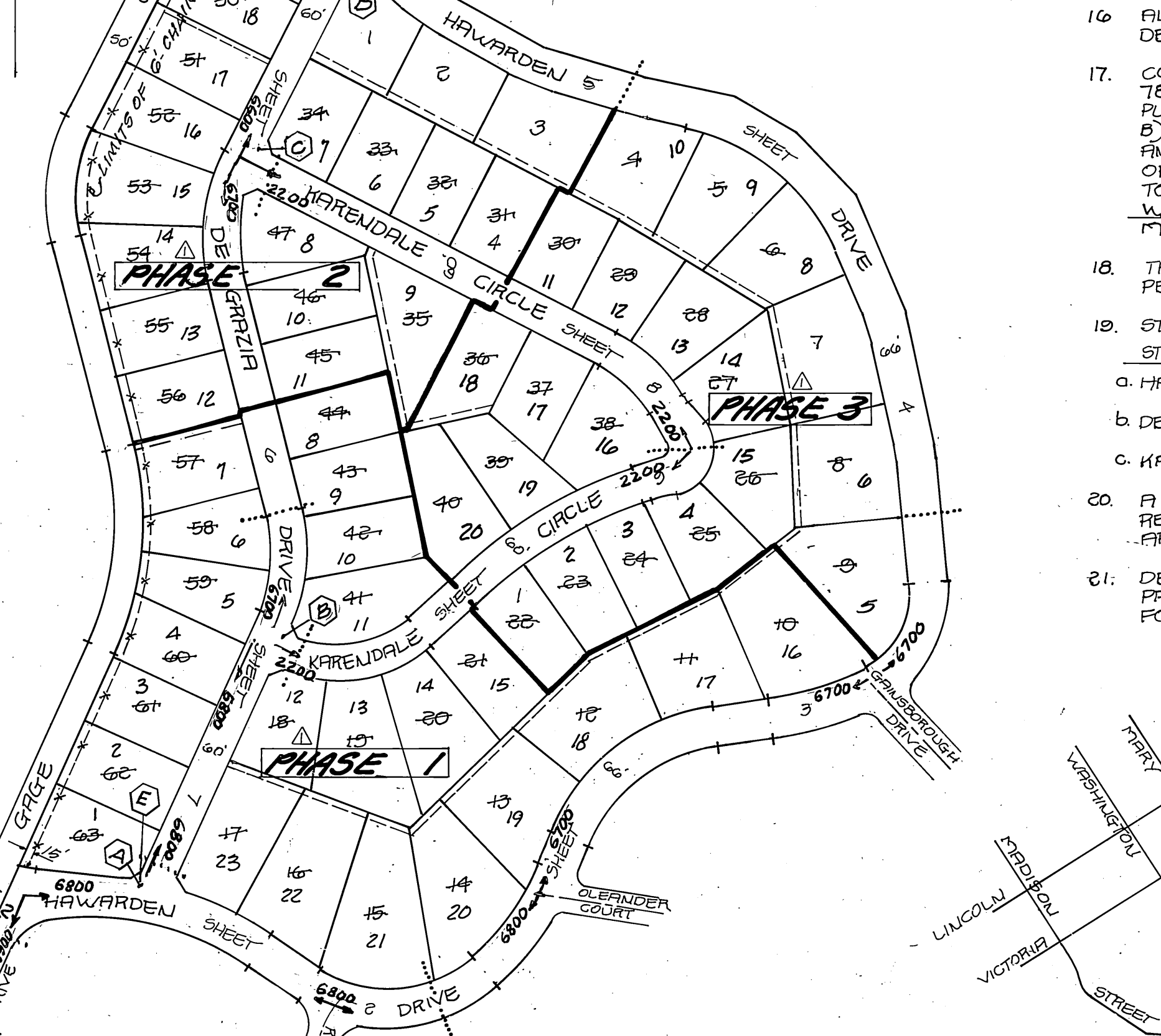
SOUTHERN CALIFORNIA GAS CO.
 APP'D BY: *[Signature]* 11-19-81
 DATE: 11-19-81

HAWKINS, ROBERTSON & ASSOCIATES
 ENGINEERS SURVEYORS
 3750 ELIZABETH STREET RIVERSIDE, CALIFORNIA 92506
 R.C.E. 17088
 APP'D BY: *[Signature]* 7/31/81
 DATE: 7/31/81

BENCHMARK: FD BRASS DISC, STAMPED (R-A) GAPPED @ INT. OF VICTORIA AVE. AND WASHINGTON ELEV. 987.099

CONST. STREET NAME SIGNS PER STD. 6602-R-2 6666

STREET SIGN SCHEDULE		
SYMBOL	DESCRIPTION	BLOCK NUMBER
(A)	HAWARDEN DRIVE	6800
(B)	DEGRAZIA DRIVE	6800
(C)	DEGRAZIA DRIVE	6700
(D)	KARENDALE CIRCLE	2200
(E)	DEGRAZIA DRIVE	6600
(F)	KARENDALE CIRCLE	2200
(G)	DEGRAZIA DRIVE	6600
(H)	HAWARDEN DRIVE	6600
(I)	R-1 (STOP) 30" OCTAGON	
(J)	R-28 (NO PARKING)	



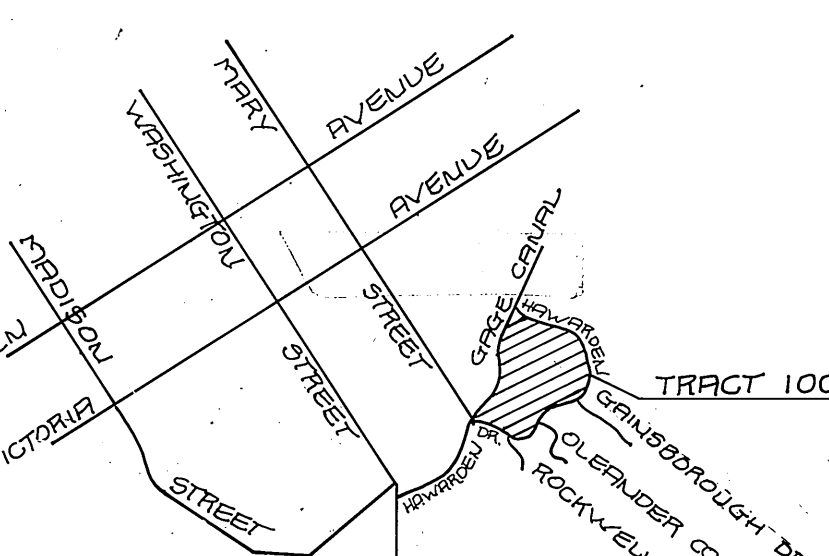
INDEX MAP
 SCALE: 1"=200'

GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF THE LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
 - CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION, 1972 EDITION.
 - TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS TO A SMOOTH, STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON PLAN AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION. ENGINEER ESTIMATED OVERLAY TO BE 78 TONS.
 - CONSTRUCT DRIVEWAY APPROACHES PER STD. DWG. 302. EXACT SIZE AND LOCATION TO BE DETERMINED AT THE TIME OF CONSTRUCTION AS APPROVED BY THE TRAFFIC ENGINEER.
 - CURB AND GUTTER SHALL BE STAKED WITH 3' OFFSETS AT 25' INTERVALS.
 - ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
 - THE SUBDIVIDER SHALL ARRANGE FOR A SOIL TEST TO BE MADE BY A SOILS ENGINEER AFTER THE STREETS HAVE BEEN PREPARED TO ROUGH GRADE. DEPTH OF BASE MATERIAL AND A.C. PAVING SHALL BE DETERMINED BY THE CITY OF RIVERSIDE DESIGN STANDARDS AND TEST PROCEDURES.
 - SEE "STREET LIGHTING PLANS" FOR QUANTITY AND LOCATION OF REQUIRED STREET LIGHTS.
 - ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
 - THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
 - THE CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DEPARTMENT TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION TO NEGOTIATE THE COST OF THE CITY'S PORTION OF THE WORK.
 - IN ORDER TO COORDINATE THE CITY'S PORTION OF THE WORK, THE DEVELOPER SHALL GIVE THE CITY 60 DAYS NOTICE IN ORDER THAT THE DEVELOPER AND THE CITY'S WORK MAY BE INSTALLED CONCURRENTLY. THE DEVELOPER SHALL PREPARE AND COMPACT ROUGH SUBGRADE (3.1") AND IS RESPONSIBLE FOR THE CONDITION OF THE SUBGRADE UNTIL ACCEPTED BY THE CITY AND UNTIL THE CITY CONTRACTOR STARTS WORKING. THE DEVELOPER IS ALSO RESPONSIBLE FOR BARRICADEING DURING THIS TIME.
 - ALL TESTING AND CERTIFICATION OF THE TREATED BASE WILL BE AT THE DEVELOPER'S COST.
 - 6" X 6" BLOCKOUTS FOR MAILBOXES REQUIRED IN CURB 5' W.
 - THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE CITY.
 - ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE, PARK AND RECREATION DEPARTMENT STANDARDS.
 - CONTACT THE PARK PROJECTS INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT 787-7225 TO SCHEDULE INSPECTIONS. INSPECTIONS SHALL BE REQUIRED: A) WHEN PLANT LOCATIONS HAVE BEEN SPOTTED IN THE FIELD PRIOR TO DIGGING PLANT PITS, B) WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES, C) AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED FOR START OF MAINTENANCE, AND D) AT END OF MAINTENANCE / FINAL ACCEPTANCE (CONTRACTOR/DEVELOPER WILL BE RELEASED FROM MAINTENANCE ONLY UPON RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PARK AND RECREATION DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES).
 - THE CONTRACTOR/DEVELOPER SHALL MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR.
 - STREET TREE PLANTING SHALL BE AS FOLLOWS:
- | STREET NAME | BOTANICAL NAME/COMMON NAME | MIN. SIZE | APPROX. SPACING |
|---------------------|---|-----------|-----------------|
| a. HAWARDEN DRIVE | RELOCATE 8 PALM TREES AS SHOWN | | |
| b. DEGRAZIA DRIVE | ULMUS PARVIFLORA SEMPERVIRENS/EVERGREEN ELM | 15 GAL. | 55' |
| c. KARENDALE CIRCLE | JACARANDA MIMOSAEOLEA/JACARANDA | 15 GAL. | 62' |
- A PUBLIC WORKS DEPARTMENT PERMIT IS REQUIRED PRIOR TO COMMENCEMENT OF TREE RELOCATION AND/OR REMOVAL WORK. FOR ALL TREES WITHIN THE ULTIMATE PAVEMENT AREA, BACKFILL OF ALL HOLES IS TO BE INSPECTED BY THE CITY FOR PROPER COMPACTION.
 - DEVELOPER TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND TO ALLOW THE CITY TEN (10) WORKING DAYS FOR COMPLETION OF WORK - 787-7611.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.



VICINITY MAP
 NOT TO SCALE

TRACT 10005
 STREET IMPROVEMENTS

TITLE SHEET

ACCOUNT NO. **R-2424**
 SHEET **1** OF **10**
 SCALE: AS SHOWN

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 7/28/81
 PRINCIPAL ENGINEER

APPROVED BY: *[Signature]* DATE: 7/28/81
 DIRECTOR OF PUBLIC WORKS

HAWKINS, ROBERTSON & ASSOCIATES
 ENGINEERS SURVEYORS
 3750 ELIZABETH STREET RIVERSIDE, CALIFORNIA 92506
 R.C.E. 17088

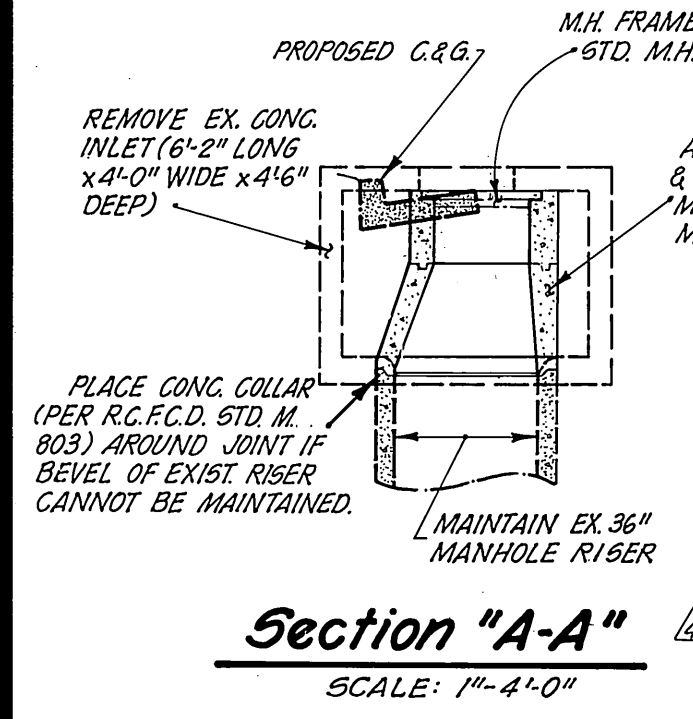
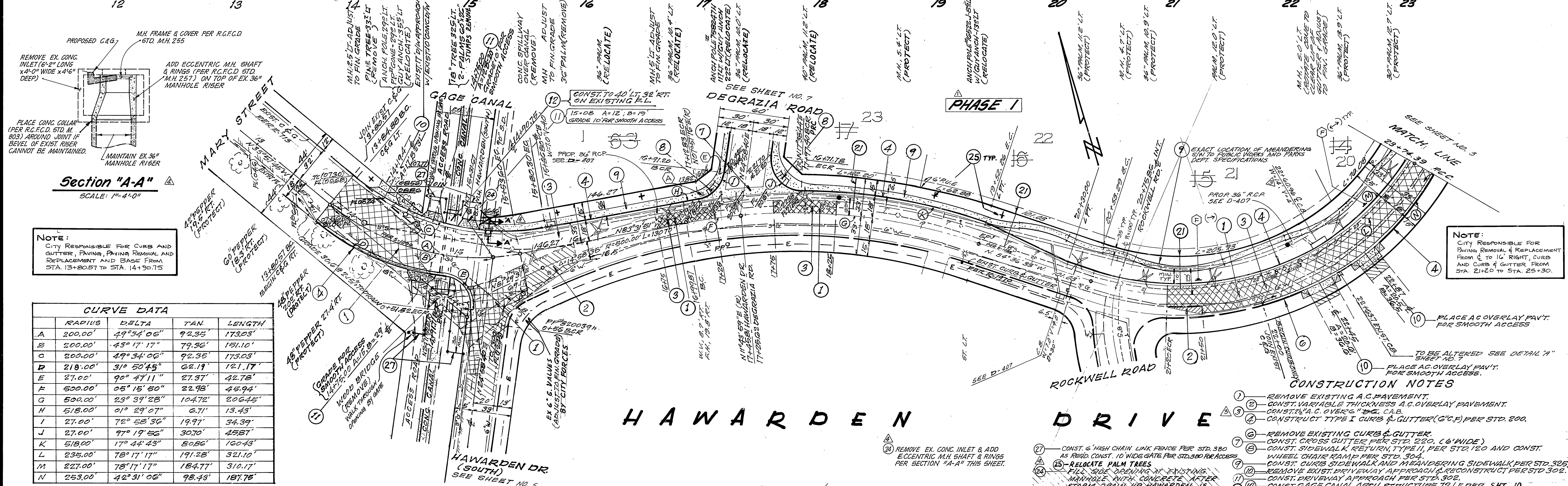
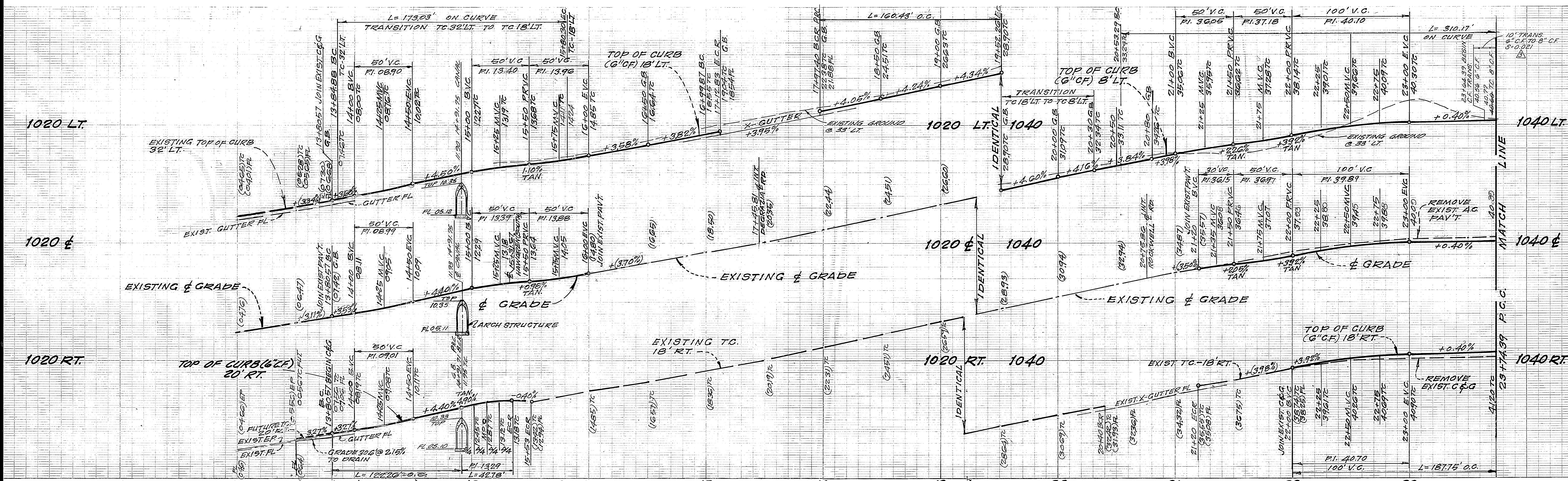
APP'D BY: *[Signature]* DATE: 7/31/81

BENCHMARK: FD BRASS DISC, STAMPED (R-A) GAPPED @ INT. OF VICTORIA AVE. AND WASHINGTON ELEV. 987.099

CITY OF RIVERSIDE
 ELECTRIC DIVISION
 APP'D BY: *[Signature]* 11-19-81
 DATE: 11-19-81
 CHIEF UTILITIES ENGINEER ELECTRIC

CONSTRUCTION NOTES

- REMOVE EXISTING A.C. PAVEMENT
- CONST. VARIABLE THICKNESS A.C. OVERLAY PAVEMENT PER STD. 302
- CONST. 2" A.C. OVER 6" D.G. C.A.B. (R-33)
- CONST. TYPE I CURB & GUTTER (C.C.F.) PER STD. 200.
- REMOVE EXISTING CURB & GUTTER.
- CONST. 2" X 4" SIDEWALK AND MEANDERING SIDEWALK PER STD. 302.
- PLACE 2" X 4" REDWOOD HEADER.
- CONST. 2 1/2" A.C. OVER COMPACTED NATIVE (R-72)



NOTE:
CITY RESPONSIBLE FOR CURB AND GUTTER, PAVING, PAVING REMOVAL AND REPLACEMENT AND BASE FROM STA 13+80.57 TO STA. 14+90.75

CURVE DATA	RADIUS	DELTA	TAN	LENGTH
A	200.00'	49°34'06"	92.35	173.03'
B	200.00'	43°17'17"	79.36'	151.10'
C	200.00'	49°34'06"	92.35	173.03'
D	218.00'	31°50'45"	62.19	121.17'
E	27.00'	90°47'11"	27.37'	42.78'
F	500.00'	05°15'50"	22.98'	45.94'
G	500.00'	23°39'28"	104.72'	206.45'
H	518.00'	01°29'07"	6.71'	13.43'
I	27.00'	72°58'36"	19.97'	34.39'
J	27.00'	97°19'56"	30.70'	48.81'
K	518.00'	17°44'43"	80.86'	160.43'
L	235.00'	78°17'17"	191.28'	321.10'
M	227.00'	78°17'17"	184.77'	310.17'
N	253.00'	42°31'06"	98.43'	181.76'

HAWARDEN DRIVE

- CONSTRUCTION NOTES**
- REMOVE EXISTING A.C. PAVEMENT.
 - CONST. VARIABLE THICKNESS A.C. OVERLAY PAVEMENT.
 - CONST. 4" A.C. OVERLAY PAVEMENT.
 - CONSTRUCT TYPE I CURBS & GUTTER (G.C.F.) PER STD. 200.
 - REMOVE EXISTING CURBS & GUTTER.
 - CONST. CROSS GUTTER PER STD. 220, (6" WIDE)
 - CONST. SIDEWALK RETURN, TYPE II, PER STD. 120 AND CONST. WHEEL CHAIR RAMPS PER STD. 304.
 - RELOCATE PALM TREES AND RECONSTRUCT SIDEWALK PER STD. 302.
 - REMOVE EXIST. DRIVEWAY APPROACH & RECONSTRUCT PER STD. 302.
 - CONST. DRIVEWAY APPROACH PER STD. 302.
 - CONST. GAGE CANAL ARCH STRUCTURE, T.O. LF PER SHT. 10.
 - CONST. 4" V.C.P. SEWER LATERAL PER STD. 200.

SOUTHERN CALIFORNIA GAS CO.
APPROVED BY: *D.R. Mc. Gowan* 11/15/81
DATE: 11-15-81

PACIFIC TELEPHONE CO.
APPROVED BY: *John M. Spangberg* 11-28-1982
DATE: 11-28-1982

CITY OF RIVERSIDE
ELECTRIC DIVISION
APPROVED BY: *John M. Spangberg* 11-19-81
DATE: 11-19-81

CITY OF RIVERSIDE
DOMESTIC SYSTEM
APPROVED BY: *John M. Spangberg* 11/19/81
DATE: 11/19/81

HAWKINS, ROBERTSON & ASSOC.
ENGINEERS - SURVEYORS
3756 ELIZABETH ST., RIVERSIDE, CALIF.
APPROVED BY: *John M. Spangberg* 7/31/81
DATE: 7/31/81

BENCH MARK: 12" BRASS DISC, STAMPED
60-4) CHANGED 8 NIT VICTORIA AVE &
WASHINGTON ST. R.B. 793/9 EL. 924.999

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *John M. Spangberg* 11/15/81
DATE: 11/15/81

CHIEF P. W. ENGR.

TRACT 10005
STREET IMPROVEMENTS
HAWARDEN DRIVE

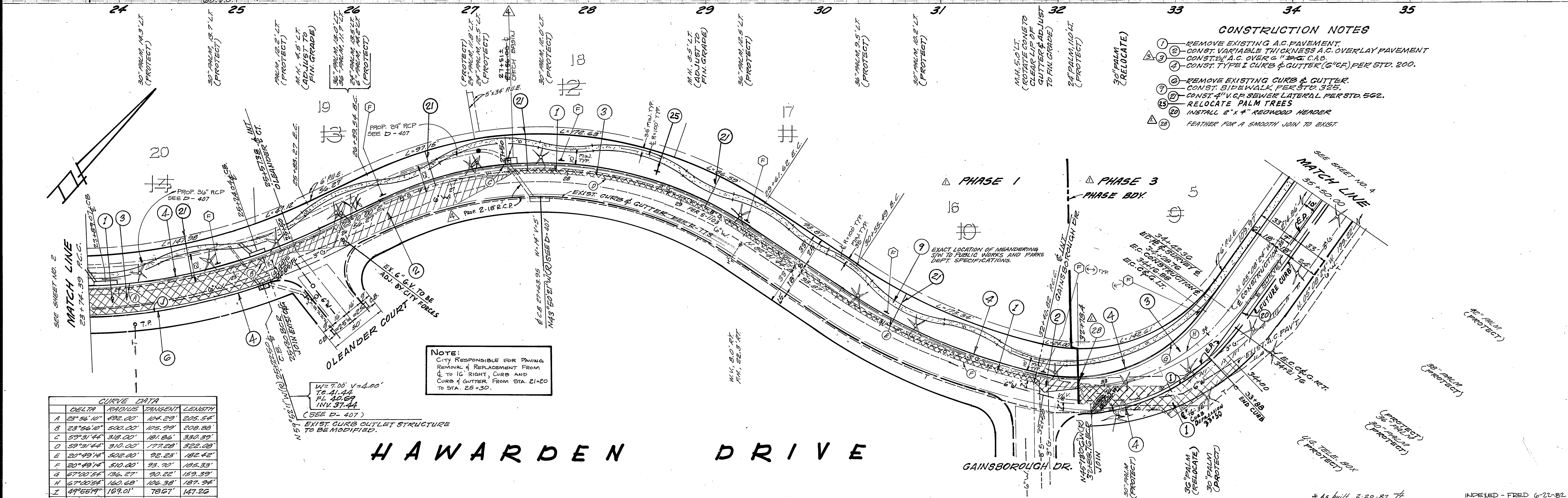
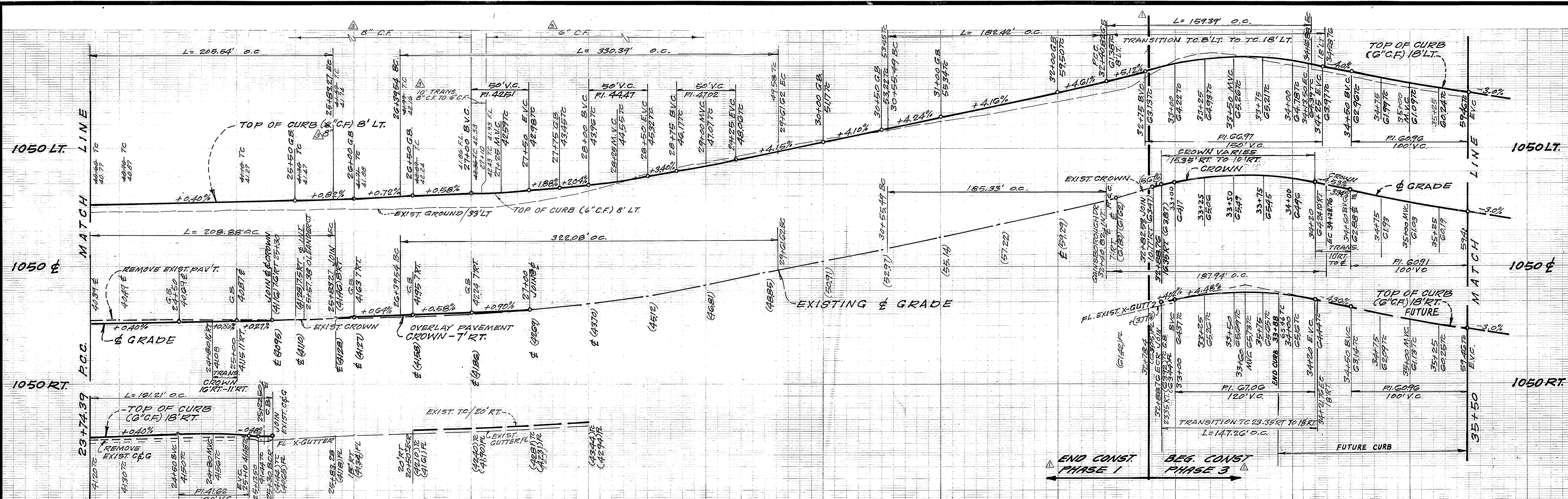
PROJECT NO. R-2424

SHEET 2 OF 10

HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

FILE NO. 81-3137-A

GAGE CANAL CO. SHALL NOT BE LIABLE FOR AND/OR INCUR ANY COST OR EXPENSE WHATSOEVER RELATIVE TO THE ELEVATION DATA, DESIGN AND/OR CONSTRUCTION OF ANY ROADWAY, CURB, DRAINAGE, FENCING, GUTTERS, AND/OR PAVEMENT, WHICH SHALL HEREAFTER BE CONSTRUCTED IN, OVER, ACROSS OR UPON THE CROSSING OF THE RIGHT OF WAY SHOWN ON THIS MAP.



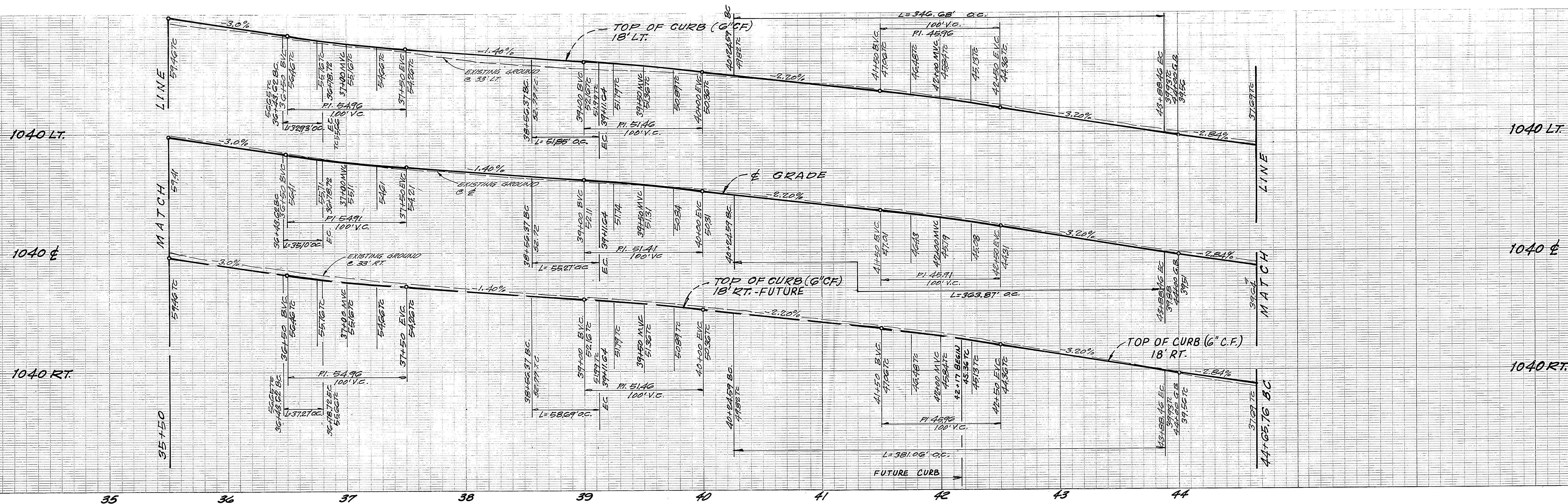
- CONSTRUCTION NOTES**
- REMOVE EXISTING A.C. PAVEMENT.
 - CONST. VARIABLE THICKNESS A.C. OVERLAY PAVEMENT.
 - CONST. A.C. OVER 6" C.C.P.
 - CONST. TYPE I CURB & GUTTER (G.C.F.) PER STD. 200.
 - REMOVE EXISTING CURB & GUTTER.
 - CONST. SIDEWALK PER STD. 325.
 - CONST. 4" CP SEWER LATERAL PER STD. 502.
 - RELOCATE PALM TREES.
 - INSTALL 2" X 4" REDWOOD HEADER.
 - FEATHER FOR A SMOOTH JOIN TO EXIST.

CURVE DATA

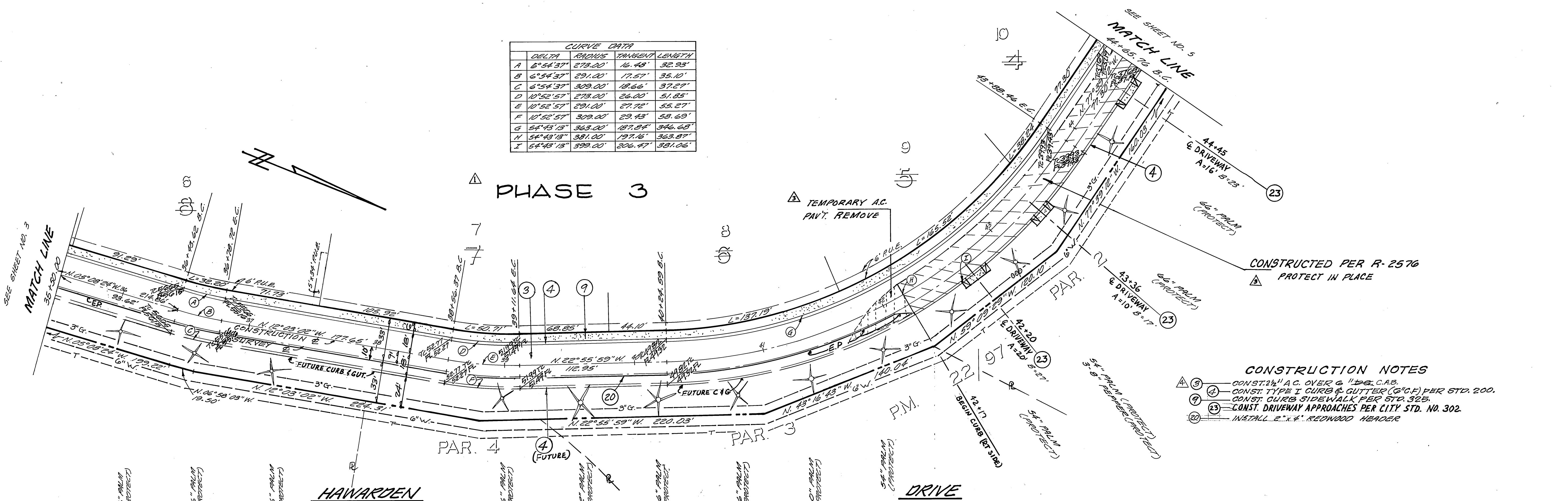
LETTER	DELTA	RADIUS	TANGENT	LENGTH
A	25° 56' 10"	490.00'	184.29'	205.54'
B	23° 56' 10"	500.00'	185.99'	208.88'
C	59° 31' 44"	310.00'	181.86'	330.39'
D	59° 31' 44"	310.00'	177.28'	323.08'
E	20° 49' 14"	502.00'	92.23'	182.42'
F	20° 49' 14"	510.00'	93.70'	185.33'
G	67° 40' 54"	136.27'	90.22'	159.39'
H	67° 40' 54"	160.60'	106.38'	187.94'
I	44° 55' 19"	169.01'	78.67'	147.26'
J	17° 49' 54"	518.00'	81.26'	161.21'

HAWARDEN DRIVE

PACIFIC TELEPHONE CO. APPLD. BY: Edin D. Kellogg 11-19-81 DATE	CITY OF RIVERSIDE DOMESTIC SYSTEM WATER SYSTEMS MAN'GR. DATE SOUTHERN CALIFORNIA GAS CO. APPLD. BY: DR. T. L. ... 10/15/81 DATE	HAWKINS, ROBERTSON & ASSOC. ENGINEERS-SURVEYORS 3756 ELIZABETH ST. RIVERSIDE, CALIF. 92504-0328 Dale S. ... 7/31/81 DATE BENCH MARK: RD. BRASS DISC, STAMPED (76-A) CHANGED 8' ALT. VICTORIA AVE. & WASHINGTON ST. FOR 1981.3 54. 328.999	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: [Signature] DATE: 7/20/82 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P. W. ENGR.	TRACT 10005 STREET IMPROVEMENTS HAWARDEN DRIVE PROJECT NO. R-2424 SHEET 3 OF 10 FILE NO. 81-3137-A HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 5'
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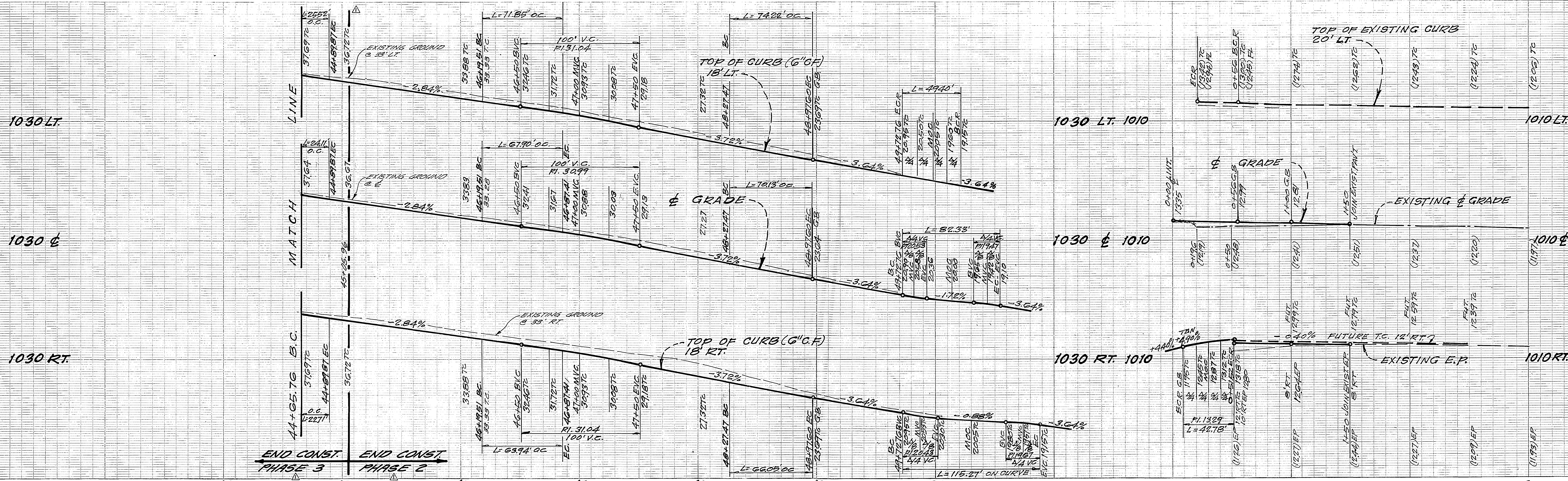
CURVE DATA			
DELTA	RADIUS	TANGENT	LENGTH
A 6°54'37"	273.00'	16.48'	32.23'
B 6°54'37"	291.00'	17.57'	35.10'
C 6°54'37"	309.00'	18.66'	37.27'
D 10°52'57"	273.00'	26.00'	51.85'
E 10°52'57"	291.00'	27.72'	55.27'
F 10°52'57"	309.00'	29.43'	58.69'
G 54°43'13"	363.00'	87.84'	346.68'
H 54°43'13"	391.00'	197.16'	363.87'
I 54°43'13"	399.00'	206.47'	381.06'



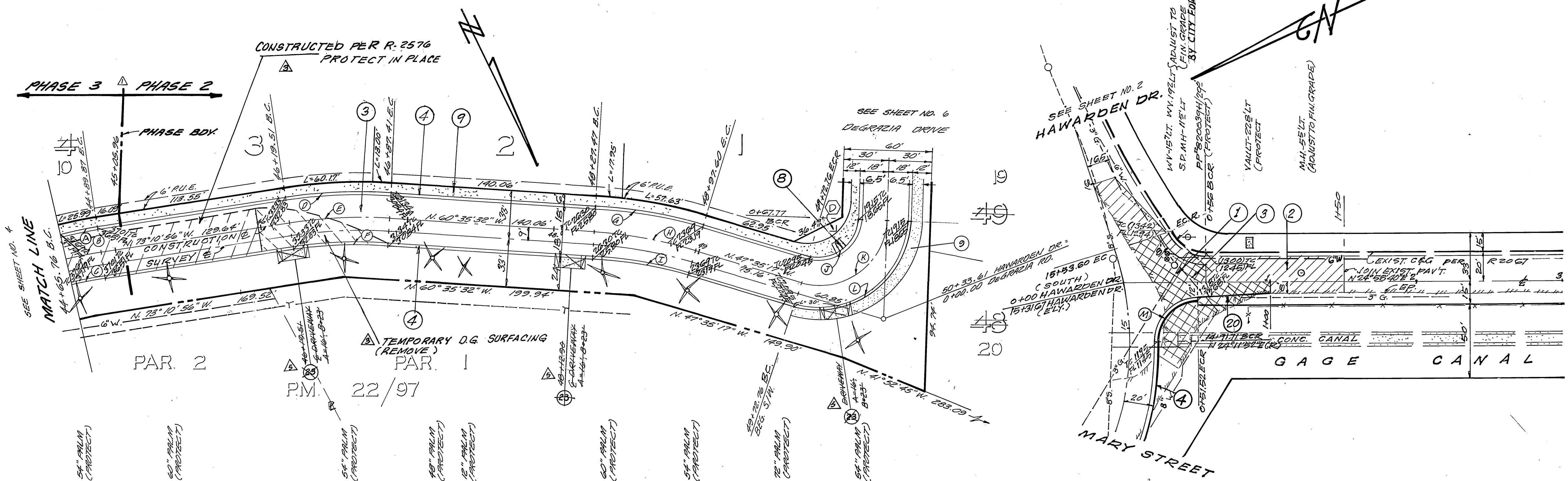
- CONSTRUCTION NOTES**
- ① CONST. 24" A.C. OVER 6" D.B.C.B.
 - ② CONST. TYPE I CURB & GUTTER (G.C.F.) PER STD. 200.
 - ③ CONST. CURB SIDEWALK PER STD. 325.
 - ④ CONST. DRIVEWAY APPROACHES PER CITY STD. NO. 302.
 - ⑤ INSTALL 2"x4" REDWOOD HEADER

PACIFIC TELEPHONE CO. APP'D. <i>Archie Kellogg</i> 11-19-81 DATE	SOUTHERN CALIFORNIA GAS CO. APP'D. <i>Dr. M. Sowan</i> 10/13/81 DATE	HAWKINS, ROBERTSON & ASSOC. ENGINEERS - SURVEYORS 3756 ELIZABETH ST. RIVERSIDE, CALIF. <i>Del. L. Gladding</i> 7/31/81 DATE	CITY OF RIVERSIDE DOMESTIC SYSTEM APP'D. <i>SAK SALLA Rantz</i> 1/13/81 DATE WATER SYSTEMS MANAGER	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: <i>[Signature]</i> DATE: 4/28/82 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P. W. ENGR.	TRACT 10005 STREET IMPROVEMENTS HAWARDEN DRIVE PROJECT NO. R-2424 SHEET 4 OF 10 FILE NO. 81-3137-A
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* As built 2-20-87 76 INDEXED - FRED 6-22-82

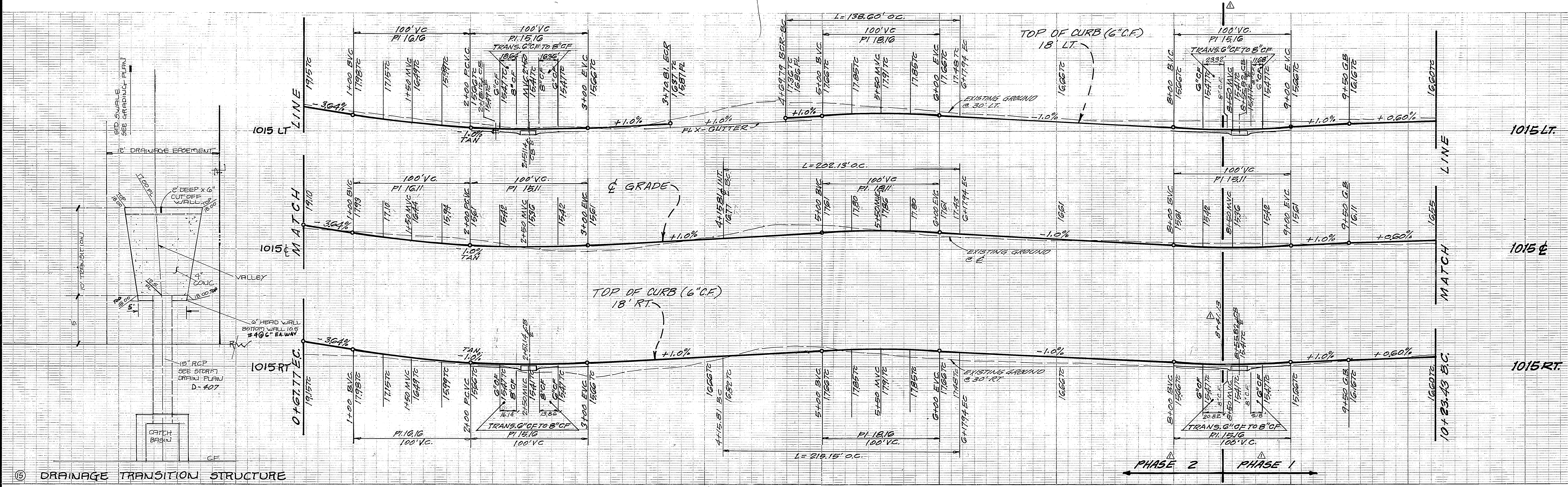


CURVE DATA				
DELTA	RADIUS	TANGENT	LENGTH	
A	4°28'16"	327.00'	12.71'	25.52'
B	4°28'16"	309.00'	12.06'	24.11'
C	4°28'16"	291.00'	11.36'	22.71'
D	12°35'25"	327.00'	36.07'	71.85'
E	12°35'25"	309.00'	34.09'	67.90'
F	12°35'25"	291.00'	32.10'	63.94'
G	13°00'16"	327.00'	37.27'	74.22'
H	13°00'16"	309.00'	35.32'	70.13'
I	13°00'16"	291.00'	33.37'	66.05'
J	10°49'43"	27.00'	35.08'	49.40'
K	10°49'43"	45.00'	58.46'	82.33'
L	10°49'43"	63.00'	81.85'	115.27'
M	9°46'48"	27.00'	27.37'	42.78'



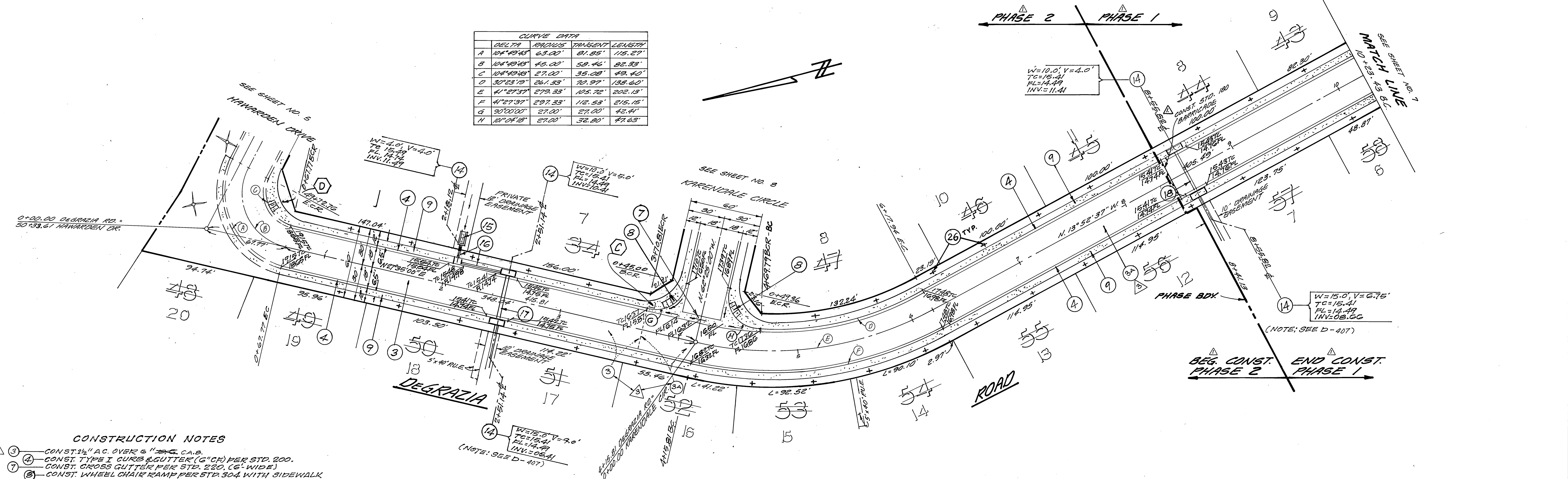
- CONSTRUCTION NOTES**
- REMOVE EXISTING A.C. PAVEMENT.
 - CONST. VARIABLE THICKNESS A.C. OVERLAY PAVEMENT.
 - CONST. 1/2" A.C. OVERLAY PER STD. 302.
 - CONST. TYPE I CURB & GUTTER (G.C.F.) PER STD. 200.
 - CONST. CURB SIDEWALK PER STD. 325.
 - CONST. SIDEWALK RETURN, TYPE II PER STD. 120 AND CONST. WHEEL CHAIR RAMP PER STD. 304.
 - PLACE 2"x4" REDWOOD HEADER.
 - CONST. DRIVEWAY APPROACHES PER CITY STD. NO. 302.

PACIFIC TELEPHONE CO. APP'D. <i>Andi R. Kelly</i> 11-19-91 DATE	HAWKINS, ROBERTSON & ASSOC. ENGINEERS - SURVEYORS 3756 ELIZABETH ST. RIVERSIDE, CALIF. <i>Del. S. Headley</i> 7/31/81 DATE	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		TRACT 10005 STREET IMPROVEMENTS HAWARDEN DRIVE	PROJECT NO. R-2424 SHEET 5 OF 10 FILE NO. 01-3137-1
		CITY OF RIVERSIDE DOMESTIC SYSTEM APP'D. <i>Fred Lamb</i> 11/19/91 DATE	BENCH MARK: PD BRASS DISC, STAMPED 104 CHANGED & NOT VOUCHER AVE. 4 WASHINGTON ST. FB. 255' S. EL. 329.999	APPROVED BY PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P. W. ENGR.	APPROVED BY DIRECTOR OF PUBLIC WORKS



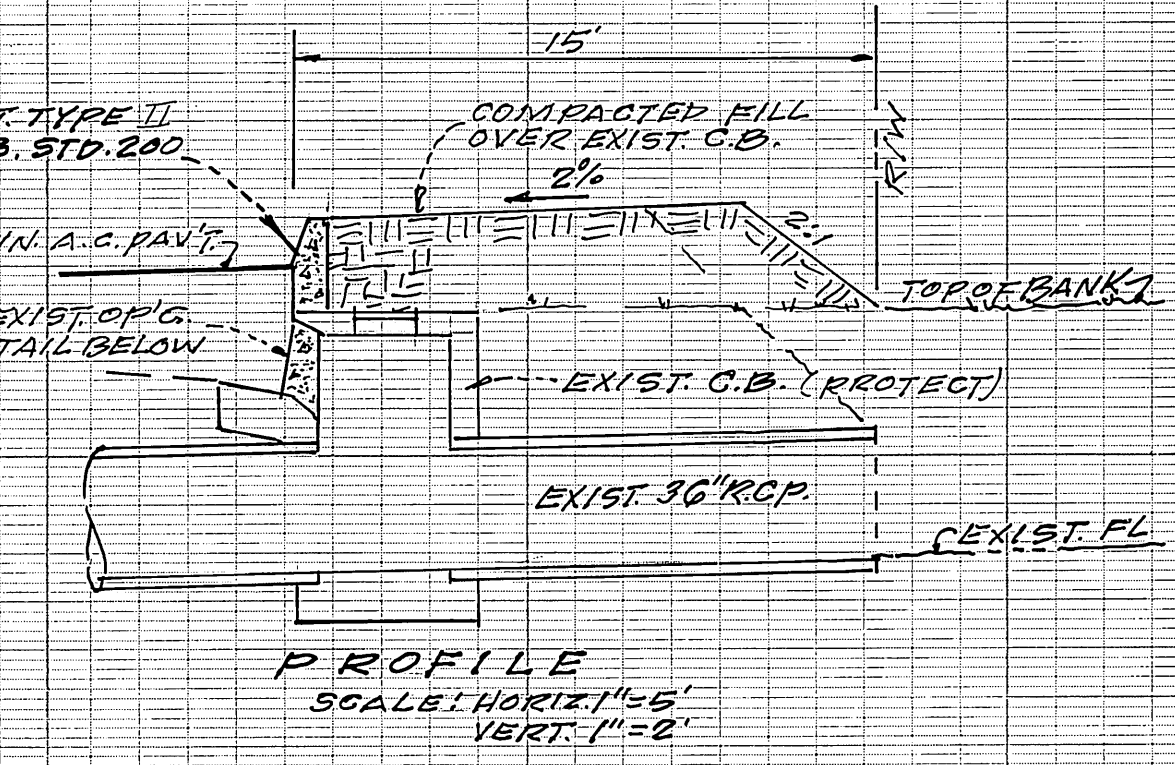
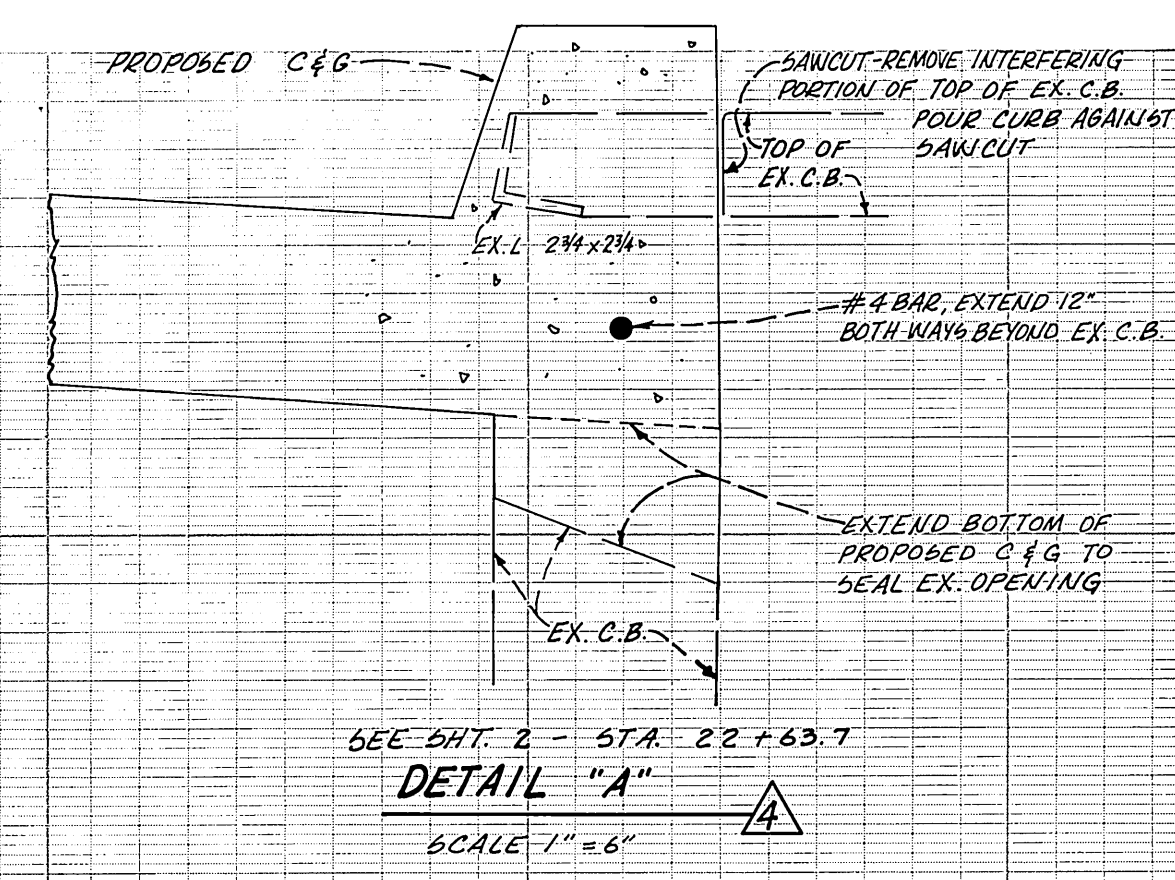
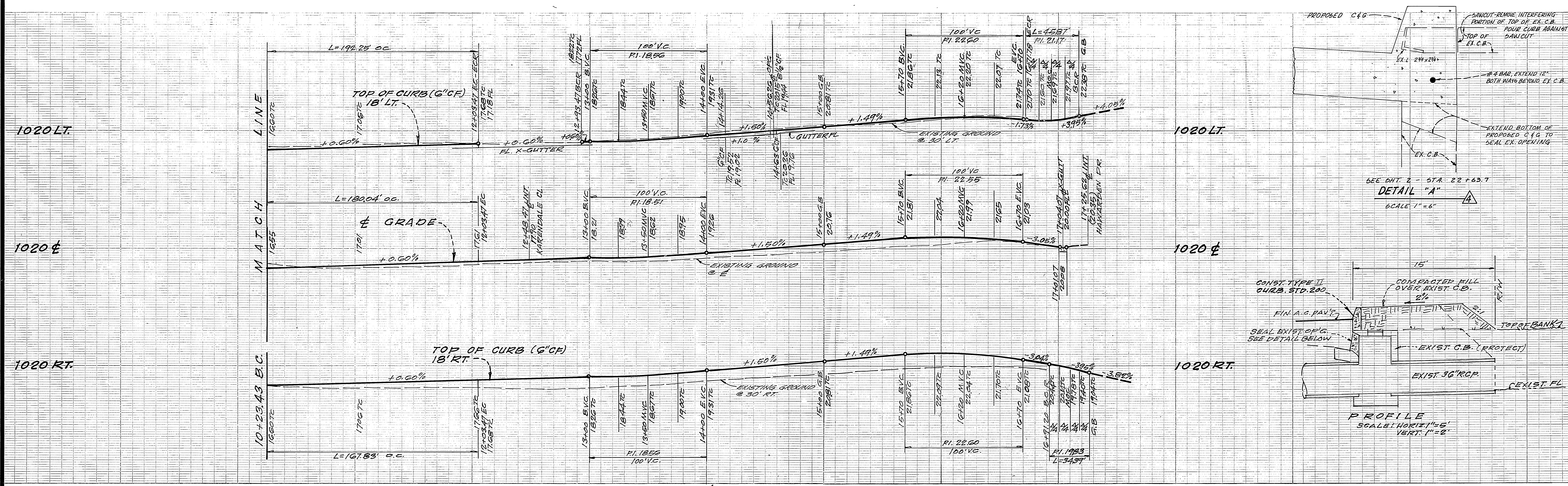
⑥ DRAINAGE TRANSITION STRUCTURE

CURVE DATA			
DELTA	PI	TANGENT	LENGTH
A 104°49'48"	63.00'	31.85'	110.27'
B 104°49'48"	45.00'	59.46'	82.33'
C 104°49'48"	27.00'	35.08'	49.40'
D 30°23'19"	261.33'	101.97'	139.80'
E 41°27'37"	279.33'	105.76'	202.18'
F 41°27'37"	297.33'	112.53'	215.15'
G 30°20'00"	27.00'	27.00'	42.41'
H 10°24'18"	27.00'	32.80'	47.63'

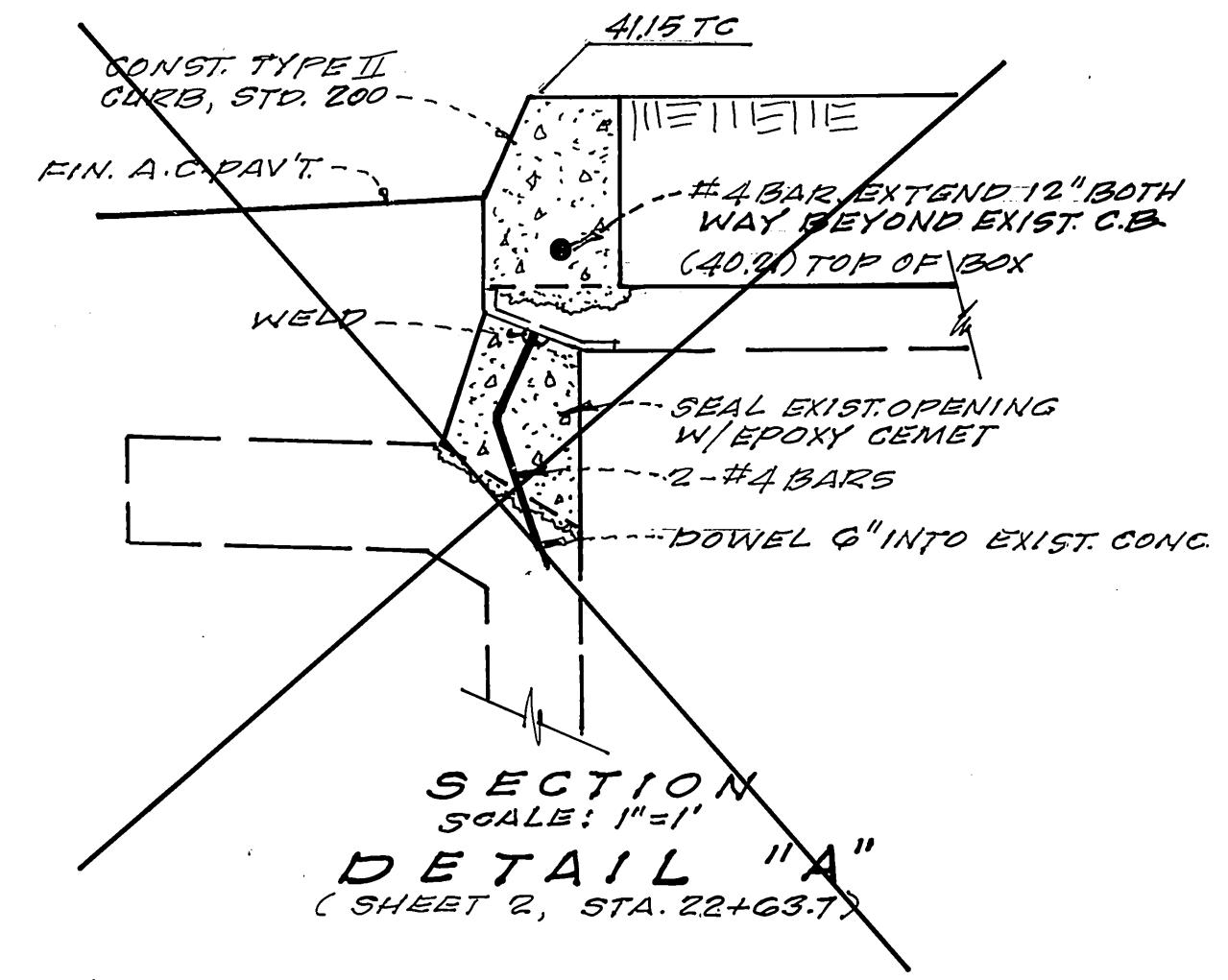
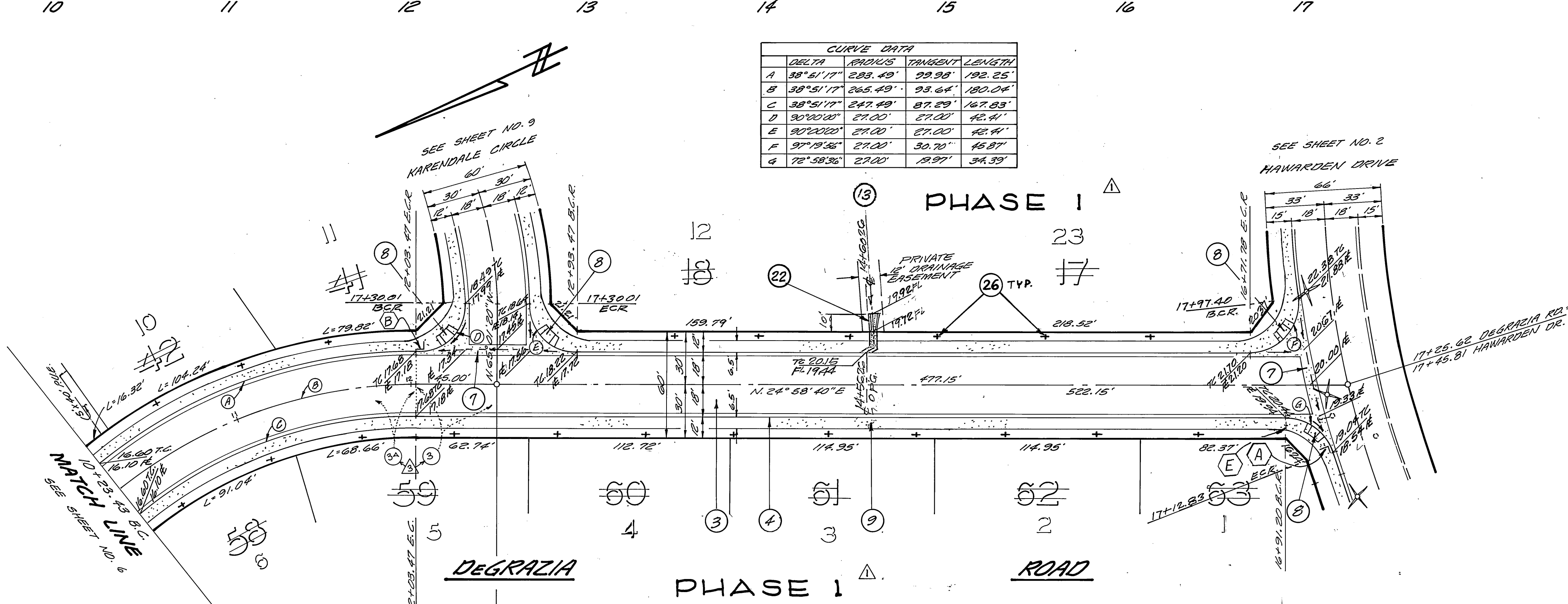


- CONSTRUCTION NOTES**
- ③ CONST. 2 1/2" A.C. OVER 6" C.A.B.
 - ④ CONST. TYPE I CURB & GUTTER (6" C.F.) PER STD. 200.
 - ⑤ CONST. CROSS GUTTER PER STD. 220, (6" WIDE)
 - ⑥ CONST. WHEEL CHAIR RAMP PER STD. 304 WITH SIDEWALK
 - ⑦ RETURN PER STD. 120, TYPE II
 - ⑧ CONST. CURB SIDEWALK PER STD. 325.
 - ⑨ CONST. CATCH BASIN PER STD. 405.
 - ⑩ CONST. DRAINAGE TRANSITION STRUCTURE PER DETAIL THIS SHEET.
 - ⑪ INSTALL 18" RCP, 2000 D.
 - ⑫ INSTALL 18" RCP, 2000 D. SEE D407
 - ⑬ INSTALL 18" RCP, 2000 D.
 - ⑭ PLANT ST. TREES PER CITY OF RIV. PARKS & REC. DEPT. STDS.
 - ⑮ CONST. 2 1/2" A.C. OVER COMPACTED NATIVE

HAWKINS, ROBERTSON & ASSOC. ENGINEERS - SURVEYORS 3756 DURABALE ST. RIVERSIDE, CALIF. <i>Del D. Kelly</i> 7-31-81 R.C.E. 19055 DATE		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		TRACT 10005 STREET IMPROVEMENTS DEGRAZIA ROAD		PROJECT NO. R-2424 SHEET 6 OF 10	
BENCH MARK: PD BRASS DISC, STAMPED (75' N) CORNER E. END OF VICTORIA AVE. & WASHINGTON ST. FB. 78613 EL. 927.999		APPROVED BY: <i>[Signature]</i> DATE: 7/1/81 CHIEF P. W. ENGR.		APPROVED BY: <i>[Signature]</i> DATE: 7/1/81 DIRECTOR OF PUBLIC WORKS		HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 8' FILE NO. 61-317-A	
DESIGNED BY: G.H. DRAWN BY: R.L.R. CHECKED BY: [Signature]		REVISIONS: [Table with 3 columns: MARK, DESCRIPTION, DATE]		DATE: 7/1/81		INDEXED - FRED G-22-82	



CURVE DATA	DELTA	RADIUS	TANGENT	LENGTH
A	38°41'17"	203.49'	29.98'	192.25'
B	38°51'17"	265.49'	33.64'	180.04'
C	38°51'17"	247.49'	37.29'	167.83'
D	90°00'00"	27.00'	27.00'	42.41'
E	90°00'00"	27.00'	27.00'	42.41'
F	97°19'36"	27.00'	30.70'	45.87'
G	78°58'36"	27.00'	19.97'	34.39'



- CONSTRUCTION NOTES**
- 1 - CONST. 2" A.C. OVER 6" C&G.
 - 2 - CONST. TYPE II CURB & GUTTER (6" C&G) PER STD. 200.
 - 3 - CONST. SIDEWALK RETURN, TYPE II, PER STD. 120 & CONST. WHEEL CHAIR RAMP PER STD. 30A.
 - 4 - CONST. CURB SIDEWALK PER STD. 325.
 - 5 - CONST. CURB OUTLET STRUCTURE PER STD. 410.
 - 6 - CONST. GUTTER PER STD. 220 (6" WIDE).
 - 7 - CONST. TRANSITION STRUCTURE, SEE DETAIL SHEET B.
 - 8 - PLANT 3" TREES PER CITY OF RIV. PARKS & REC. DEPT. STDS.
 - 9 - CONST. 2 1/2" A.C. OVER COMPACTED NATIVE.

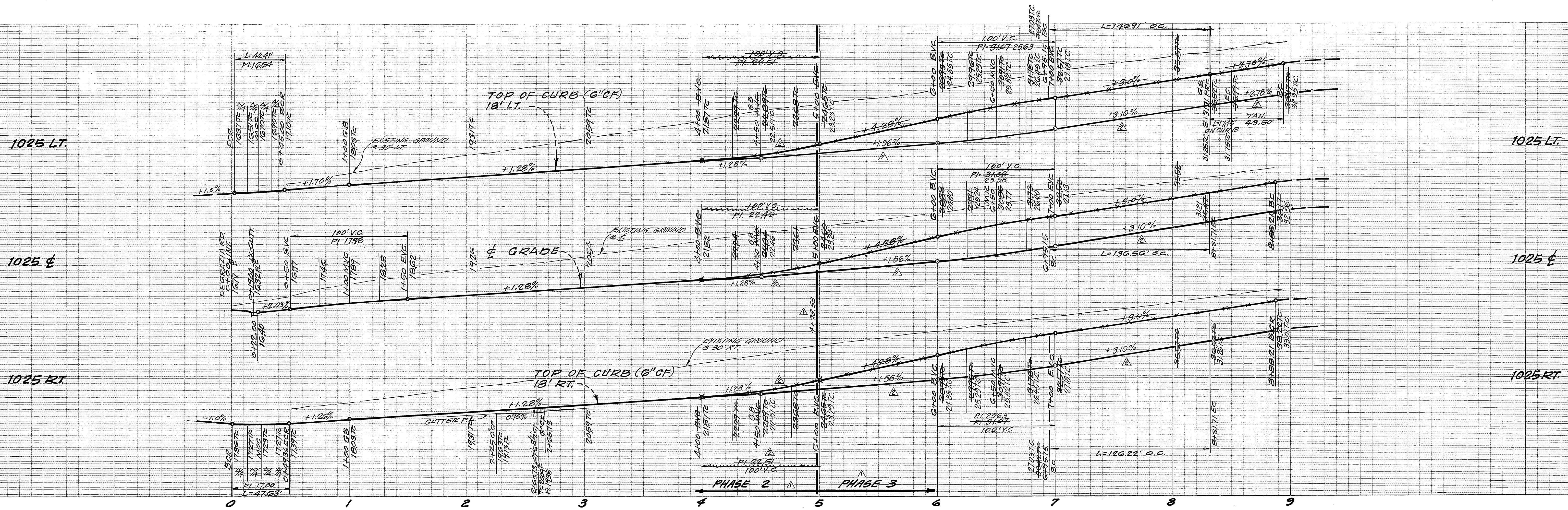
HAWKINS, ROBERTSON & ASSOC.
ENGINEERS - SURVEYORS
3756 ELIZABETH ST. RIVERSIDE, CALIF.
Dale G. Gladding 7-31-81
R.C.E. 17055 DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature] DATE: 4/28/82
PRINCIPAL ENGINEER: [Signature] DATE: 4/28/82
TRAFFIC DIVISION: [Signature] DATE: 4/28/82
CHIEF P.W. ENGR.: [Signature] DATE: 4/28/82

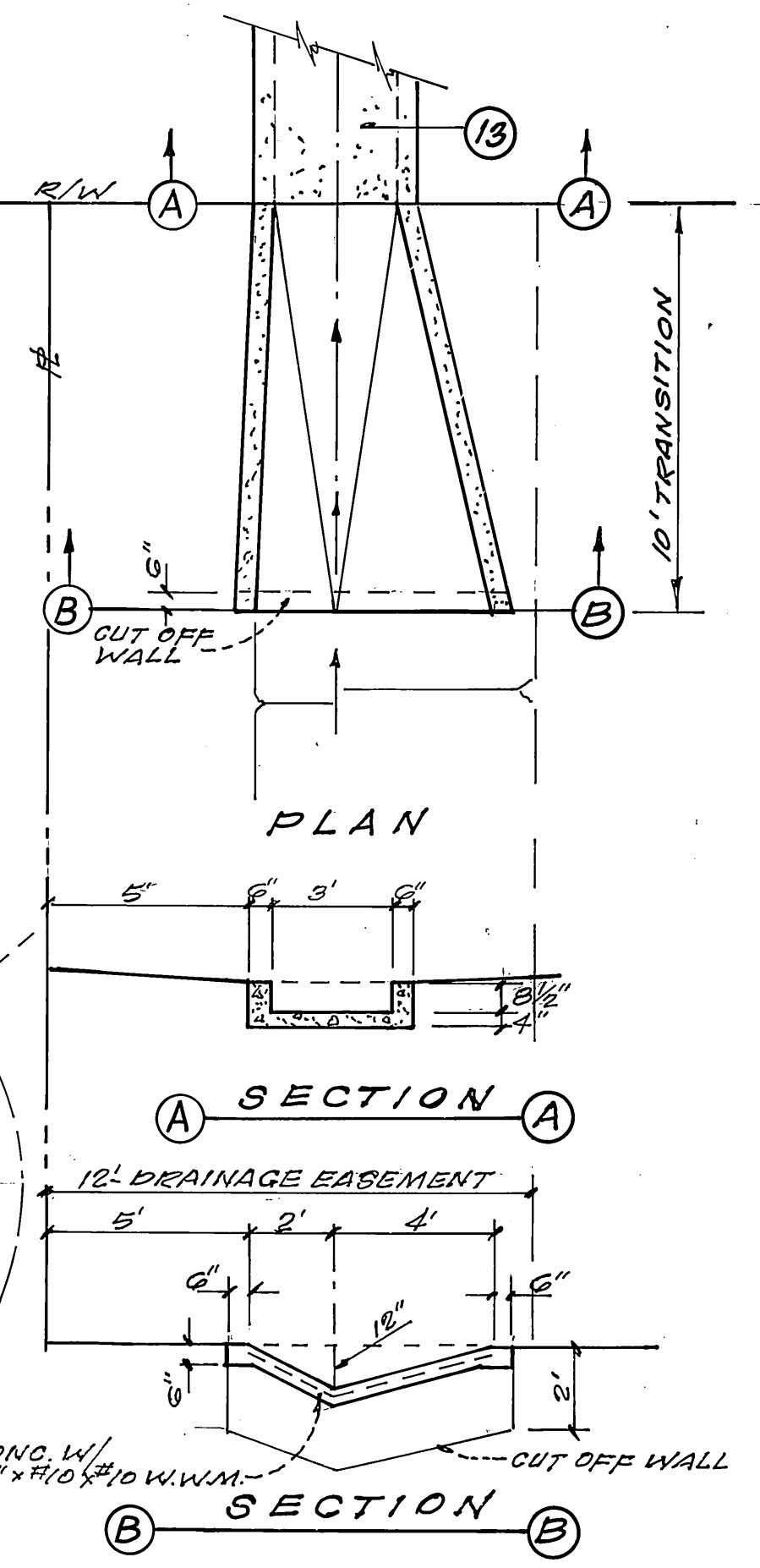
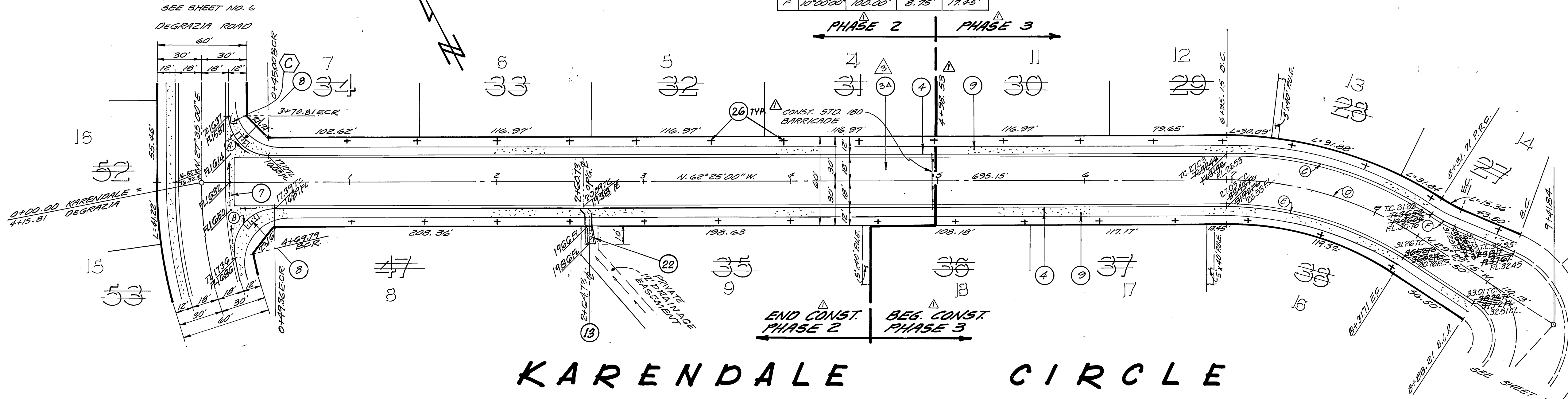
TRACT 10005
STREET IMPROVEMENTS
DEGRAZIA ROAD

PROJECT NO. R-2424
SHEET 7 OF 10
FILE NO. 81-3137-A

DESIGNED BY: E.H. DRAWN BY: R.V.E. CHECKED BY: [Signature]



CURVE DATA			
DELTA	RADIUS	TANGENT LENGTH	CHORD
A 90°00'00"	27.00'	27.00'	42.43'
B 101°04'48"	27.00'	32.80'	47.63'
C 32°55'48"	255.62'	78.55'	146.91'
D 32°55'48"	237.62'	70.23'	136.56'
E 32°55'48"	219.62'	64.91'	126.22'
F 10°00'00"	100.00'	8.75'	17.45'



- CONSTRUCTION NOTES**
- 1. CONST. 24" A.C. OVER COMPACTED NATIVE
 - 2. CONST. TYPE I CURB & GUTTER (6" C.F.) PER STD. 200.
 - 3. CONST. SIDEWALK RETURN, TYPE II, PER STD. 120 & CONST. WHEEL CHAIR RAMP PER STD. 304.
 - 4. CONST. CURB SIDEWALK PER STD. 325.
 - 5. CONST. CURB OUTLET STRUCTURE PER STD. 410.
 - 6. CONST. CROSS GUTTER PER STD. 220. (6" WIDE)
 - 7. CONST. TRANSITION STRUCTURE, SEE DETAIL, THIS SHEET.
 - 8. PLANT ST. TREES PER CITY OF RIVERSIDE PARKS & REC. DEPT.

HAWKINS, ROBERTSON & ASSOC. ENGINEERS - SURVEYORS 3756 ELIZABETH ST. RIVERSIDE, CALIF. <i>Dale L. Gladding</i> 7/31/81 R.C.E. 17055		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS TRACT 10005 STREET IMPROVEMENTS KARENDALE CIRCLE		PROJECT NO. R-2424 SHEET 8 OF 10 FILE NO. 81-3137-A
BENCH MARK: PD BRASS DISC STAMPED (76-A) CORNER 3 N.W. VICTORIA AVE. & WASHINGTON ST. E.B. 185.15' E.C. 927.999		APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS DATE: 7/28/82		HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 5'
DESIGNED BY: G.H. DRAWN BY: G.H. CHECKED BY: [Signature]		REVISIONS: [Table with columns for MARK, REVISIONS, APPR., DATE]		*As built 2-20-87 by [Signature] INDEXED - FRED 6-12-82

1025 LT.

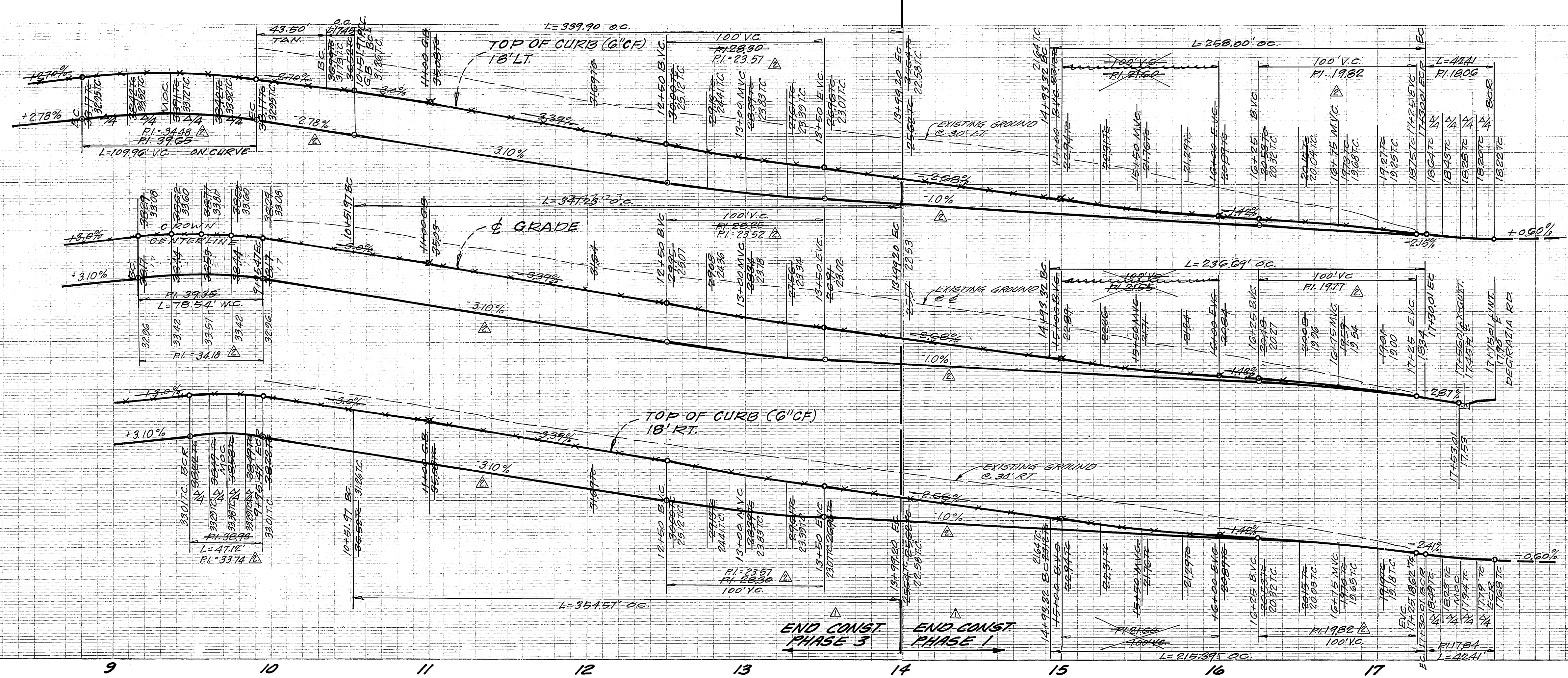
1025 LT.

1025 C

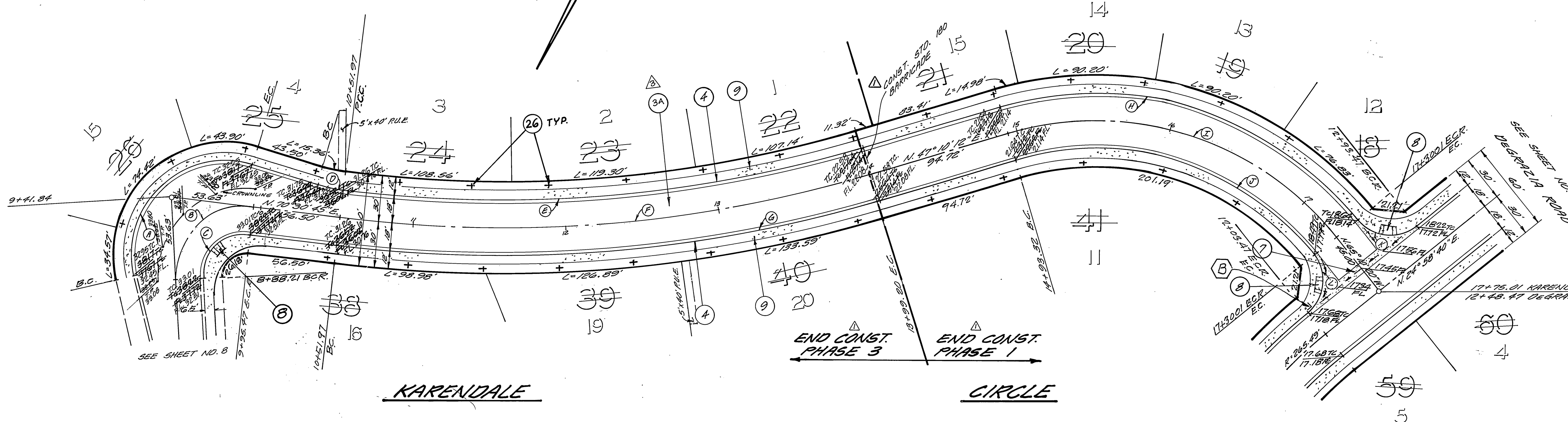
1025 C

1025 RT.

1025 RT.



CURVE DATA			
DELTA	CHORDS	TANGENT	LENGTH
A	100'00"00	63.00'	75.08'
B	100'00"00	45.00'	53.63'
C	100'00"00	27.00'	32.18'
D	100'00"00	100.00'	8.75'
E	23'20"34	154.30'	172.34'
F	23'20"34	852.30'	776.06'
G	23'20"34	870.30'	778.78'
H	67'48"28	218.00'	146.51'
I	67'48"28	200.00'	134.41'
J	67'48"28	182.00'	122.32'
K	90'00"00	27.00'	27.00'
L	90'00"00	27.00'	27.00'



- CONSTRUCTION NOTES**
- ① - CONST. 2 1/2" A.C. OVER COMPACTED NATIVE.
 - ② - CONST. TYPE I CURB & GUTTER (6" C.F.) PER STD. 200.
 - ③ - CONST. CROSS GUTTER PER STD. 220 (6" WIDE).
 - ④ - CONST. SIDEWALK RETURN, TYPE II, PER STD. 120 & CONST. WHEEL CHAIR RAMP PER STD. 304.
 - ⑤ - CONST. CURB SIDEWALK PER STD. 325.
 - ⑥ - PLANT ST. TREES PER CITY OF RIV. PARKS & REC. DEPT. STDS.

HAWKINS, ROBERTSON & ASSOC. ENGINEERS SURVEYORS 3756 ELIZABETH ST. RIVERSIDE, CALIF. <i>Dale L. Gladley</i> 7-31-81 R.C.E. 17055 DATE		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS TRACT 10005 STREET IMPROVEMENTS KARENDALE CIRCLE		PROJECT NO. R-2424 SHEET 9 OF 10
BENCH MARK: FD. BRASS DISC. STAMPED (16-A) CAPPED @ INT. VICTORIA AVE. & WASHINGTON ST. F.B. 13513 E.L. 927.999		APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS DATE: 4/28/82		INDEXED - FRED 6-22-82 FILE NO. 81-3137-1
DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>		HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 8'		021173