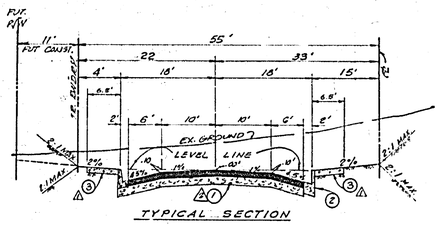
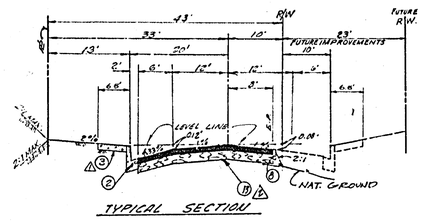
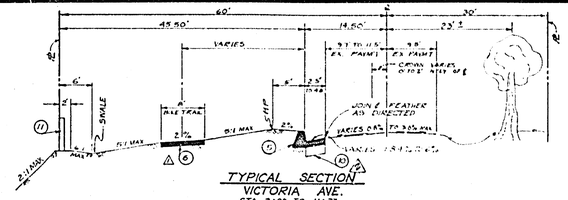


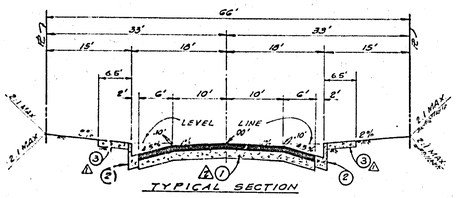
TYPICAL SECTION
ZODIAC DRIVE (FROM STA. 8+05.87)
T.I. = 5



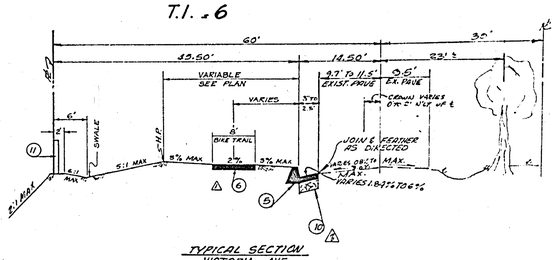
TYPICAL SECTION
BOUNDARY LN.
T.I. = 6



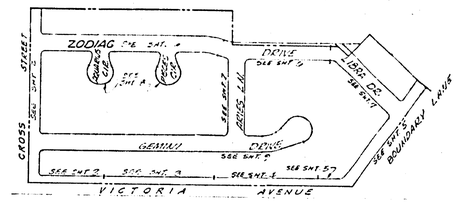
TYPICAL SECTION
VICTORIA AVE.
STA. 3+00 TO 11+77
T.I. = 7



TYPICAL SECTION
LIBRA DRIVE
ARIES LANE
GEMINI DRIVE
ZODIAC DRIVE (STA. 0+00 TO 8+05.87)
T.I. = 5



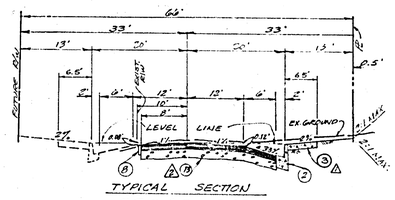
TYPICAL SECTION
VICTORIA AVE.
STA. 0+00 TO 3+00
T.I. = 7



KEY MAP
SCALE: 1" = 200'

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES.

SO. CAL. GAS CO.	713-781-6117
SO. CAL. EDISON CO.	714-686-6153
CITY OF RIVERSIDE WATER DIVISION	714-787-7411
SO. CALIF. GAS CO. (30" HIGH PRESSURE LINE)	714-635-2017



TYPICAL SECTION
CROSS STREET
T.I. = 6

ST. NAME & TRAFFIC SIGN SCHEDULE

(A)	ZODIAC DRIVE	10600
	ARIES LANE	2700
(B)	ZODIAC DRIVE	10600
	LIBRA DRIVE	10600
(C)	LIBRA DRIVE	10600
	BOUNDARY LN.	2700
(D)	GEMINI DRIVE	10700
	ARIES LANE	2700
(E)	BOUNDARY LN.	2700
	VICTORIA AVE.	10600
(F)	R1 (STOP SIGN) 30" OCTAGON	
(G)	W53 (NOT A THROUGH STREET) 24"x24"	
(H)	Ø23 (BIKE ROUTE) 24"x18"	
(I)	ZODIAC DR.	10700
	PISCES CIR.	2700
(J)	ZODIAC DR.	10700
	AQUARIUS CIR.	2700
(K)	CROSS ST.	2700
	ZODIAC DR.	10700
(L)	GEMINI DR.	10700
	CROSS ST.	2700
(M)	VICTORIA AVE.	10700
	CROSS ST.	2700

BENCH MARK:
SET P.K. NAIL AND TAG IN CULVERT HEADWALL ON N'LY. SIDE OF VICTORIA 50' W'LY. OF CROSS ST. - F.B. 139/64
ELEV. = 829.204

- CONSTRUCTION NOTES -

(1) — CONSTRUCT 3" A.C. OVER COMPACTED NATIVE
(2) — CONSTRUCT CURB AND GUTTER PER STD. DWG. 200 (TYPE) 6" C.F.
(3) — CONSTRUCT SIDEWALK PER STD. DWG. 325. (6' WIDE)
(4) — CONSTRUCT CROSS GUTTER PER STD. DWG. 220 (6' WIDE)
(5) — CONSTRUCT A.C. BERM PER STD. DWG. 250 (TYPE I)
(6) — CONSTRUCT 8' WIDE 2½" A.C. BIKE TRAIL
(7) — CONSTRUCT BARRICADE PER STD. DWG. 180 W/ TYPE 'N' (RED) REFLECTOR SIGN.
(8) — CONSTRUCT 2" X 4" REDWOOD HEADER
(9) — CONSTRUCT WHEEL CHAIR RAMP PER STD. DWG. 304
(10) — CONSTRUCT 4" A.C. OVER COMPACTED NATIVE
(11) — CONSTRUCT 6' HIGH BLOCK WALL PER STD. DWG. 704
(12) — ~~CONSTRUCT 6' WIDE A.C. SWALE OVER A.C.~~
(13) — CONST. 3½" A.C. OVER COMPACTED NATIVE
(14) — CONST. CROSS GUTTER PER STD. DWG. 220 (10' WIDE)
(15) — INSTALL TYPE L MARKER PER STD DWG. NO. 625
(16) — CONST. UNDER SIDEWALK DRAIN PER STD. DWG. NO 411 SIZE 3

- GENERAL NOTES -

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY, INCLUDING IRRIGATION LINES AND APPURTENANCES, AND AT NO COST TO THE CITY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1973 EDITION, AND CITY OF RIVERSIDE STANDARD DRAWINGS.
3. ALL "FLAGGED" ELEVATIONS SHALL BE STAKED BY ENGINEER
4. GRADING WILL REQUIRE A PERMIT FOR A CUT OR FILL EXCEEDING 50 CUBIC YARDS, OR A FILL OVER ONE FOOT IN DEPTH.
5. TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVING JOINS EXISTING PAVEMENT, TO CLEAN STRAIGHT LINE. CONSTRUCT MATCH UP PAVING AS SHOWN AND OVERLAY AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH CROWN SECTION.
6. THE SUBDIVIDER SHALL ARRANGE FOR A SOILS 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.
7. CONSTRUCT DRIVEWAY APPROACHES PER STD. DWG. 302. EXACT SIZE AND LOCATION TO BE DETERMINED AT THE TIME OF THE CONSTRUCTION AS APPROVED BY THE TRAFFIC DIVISION.
8. CURB RETURNS SHALL BE CONSTRUCTED PER STANDARD DRAWING 304.
9. CURB & GUTTER AND A.C. BERM TO BE STAKED WITH 3' OFFSET AT 25' INTERVALS.
10. SEE "STREET LIGHTING PLANS" FOR NUMBER AND LOCATION OF REQUIRED STREET LIGHTS
11. SEE "LANDSCAPING AND SPRINKLING SYSTEM PLANS" FOR VICTORIA AVE. PARKWAY.
12. TRAFFIC CONTROL SIGNS MUST BE IN PLACE PRIOR TO OPENING OF STREETS TO TRAFFIC

VTM CONSULTING ENGINEERS · ARCHITECTS · PLANNERS
APPROVED BY: PAUL H. CARRILLO · R.C.E. 19557 — DATE 5-15-75

REVISIONS		
1	Added Drawing No. 6	6-30-75
2	Revised Title Block, Add Sheet Count	7-11-75

DESIGNED BY — DRAWN BY — CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

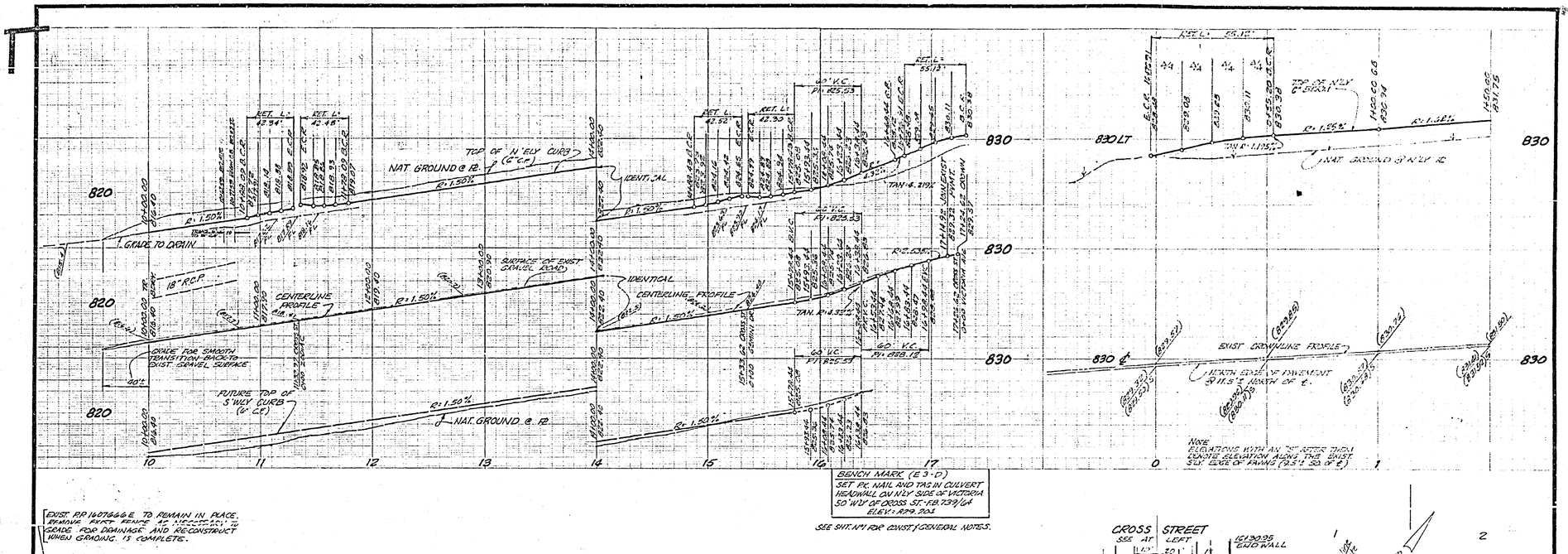
APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		

APPROVED BY: DIRECTOR OF PUBLIC WORKS — DATE 1/20/76

TITLE SHEET
TYPICAL SECTIONS
TRACT No 4915

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

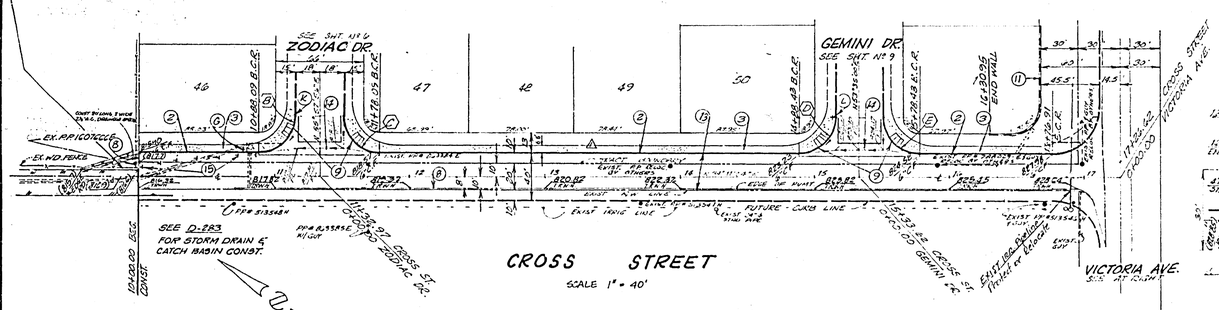
INDEXED
PROJECT NO. R-1840
SHEET 1 OF 17
FILE NO. 5628



BENCH MARK (E 3-D)
SET P.K. NAIL AND TAG IN CULVERT HEADWALL ON N'LY SIDE OF VICTORIA 50' W'LY OF CROSS ST. STA. 139.739 ℄
ELEV: 829.204

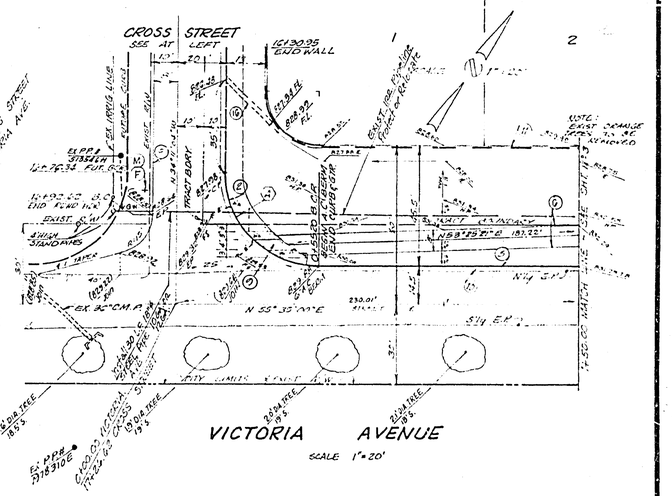
SEE SHT. N°1 FOR CONST./GENERAL NOTES.

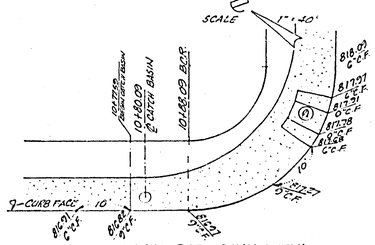
EXIST. R.P. 1607666 E TO REMAIN IN PLACE. REMOVE PART FENCE AS NECESSARY TO GRADE FOR DRAINAGE AND RE-CONSTRUCT WHEN GROWING IS COMPLETE.



CROSS STREET
SCALE 1" = 40'

Notes:
Contractor to determine exact location of active irrigation lines prior to construction - Call Gage Canal Co. 683-8226 or 686-2455 48 hrs. prior to doing any work. Ground active irr. lines





LOCAL DEPRESSION DETAIL
NO SCALE

CURVE DATA

	Δ	R	L	T
A	90°13'55"	35.00'	55.13'	35.14'
B	89°57'00"	27.33'	43.34'	27.53'
C	90°03'00"	27.33'	42.48'	27.07'
D	90°13'55"	27.00'	42.50'	27.11'
E	89°46'04"	27.00'	42.30'	26.891'

GAGE CANAL
BY

VTN Consolidated, Inc.
ENGINEERS ARCHITECTS PLANNERS
6-15-75
PAUL H. BARGOOD R.C.E. 15957 DATE

MARK	BY	DATE	REVISIONS
1			MOVED ELEV. MODIFY VICTORIA AVE.
2			CHANGE ℄ S.W. TO CURB S.W.

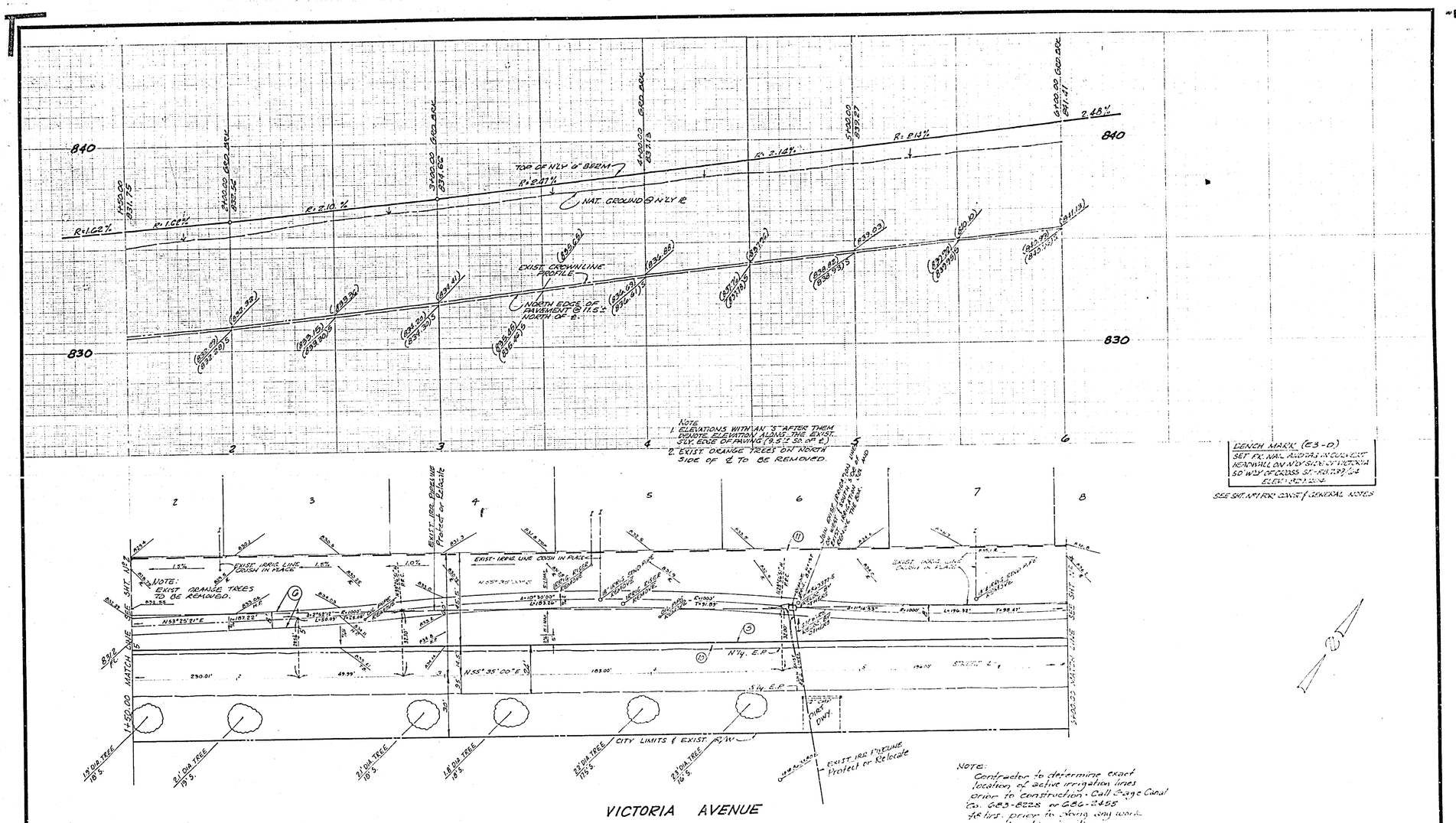
DESIGNED BY | DRAWN BY | CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

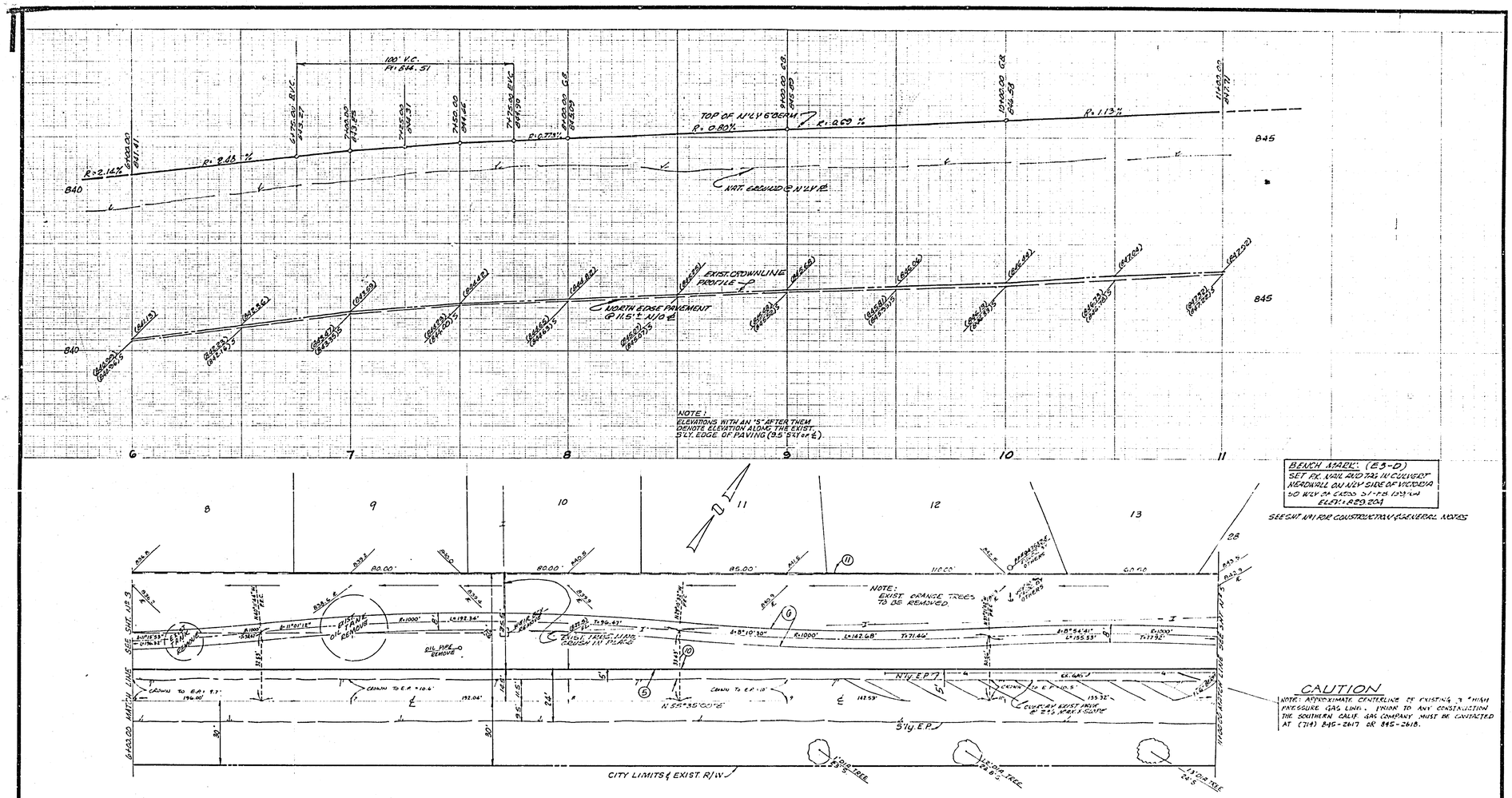
APPROVED BY: CITY ENGINEER, PARK DEPARTMENT, TRAFFIC DIVISION, ASSISTANT CITY ENG. — BY — DATE
APPROVED BY: DIRECTOR OF PUBLIC WORKS — DATE 1/30/76

STREET PLAN AND PROFILE
VICTORIA AVE. FROM CROSS ST. TO 150' E/O CROSS ST.
CROSS STREET FROM VICTORIA AVE. TO 750' N/O VICTORIA
TRACT Nº 4915

PROJECT NO. R-1840
SHEET 2 OF 2
HORIZ. SCALE: 1" = 40 & 20 VERT. SCALE: 1" = 4'
FILE NO. 5528



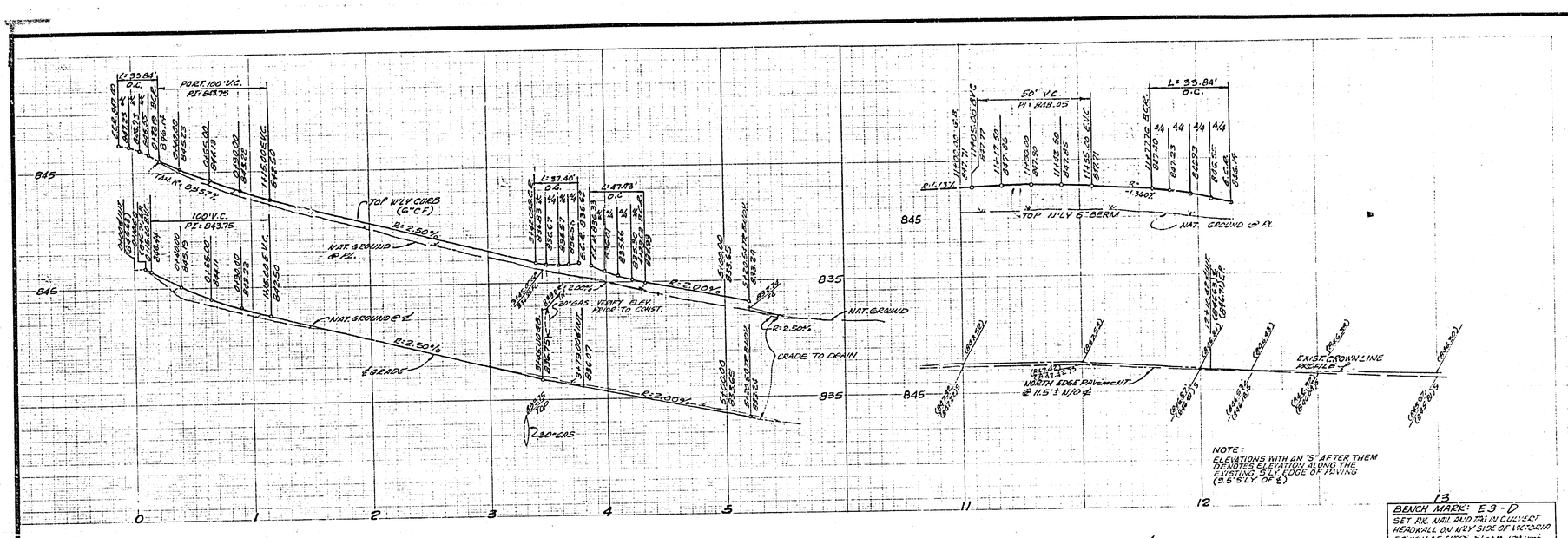
840
830
TOP OF N'LY 6" BERM
NAT. GROUND @ N'LY ℄
EXIST. CROWNLINE PROFILE
NORTH EDGE OF PAVEMENT @ 11.5'± NORTH OF ℄
R=1.62%
R=2.10%
R=2.47%
R=2.14%
R=2.13%
2.48%
1+50.00 831.75
2+00.00 GRD BRK 832.54
3+00.00 GRD BRK 834.66
4+00.00 GRD BRK 837.13
5+00.00 839.27
6+00.00 GRD BRK 841.41
NOTE
1. ELEVATIONS WITH AN "S" AFTER THEM DENOTE ELEVATION ALONG THE EXIST. S'LY. EDGE OF PAVING (9.5'± SO. OF ℄)
2. EXIST. ORANGE TREES ON NORTH SIDE OF ℄ TO BE REMOVED.
BENCH MARK (E3-D)
SET PK. NAIL AND TAG IN CURVE OF HEADWALL ON N'LY SIDE OF VICTORIA 50' W'LY OF CROSS ST. - ELEV. 839.64
SEE SHT. No 1 FOR CONST. & GENERAL NOTES
NOTE: EXIST. ORANGE TREES TO BE REMOVED.
EXIST. IRRIG. LINE CRUSH IN PLACE
EXIST. IRRIG. PIPELINE Protect or Relocate
N'ly. E.P.
S'ly. E.P.
CITY LIMITS & EXIST. R/W
EXIST. IRR. PIPELINE Protect or Relocate
1+50.00 MATCH LINE SEE SHT. No 2
3+00.00 MATCH LINE SEE SHT. No 4
VICTORIA AVENUE
NOTE:
Contractor to determine exact location of active irrigation lines prior to construction - Call Gage Canal Co. 683-8228 or 686-2455 48 hrs. prior to doing any work around active irr. lines.
GAGE CANAL
BY:
VTN consulted, inc.
ENGINEERS ARCHITECTS PLANNERS
5-15-75
ADDED ELEVATIONS
MODIFY VICTORIA AVE. SECTION
REVISIONS
DESIGNED BY
DRAWN BY
CHECKED BY
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 1/30/76
STREET PLAN AND PROFILE
VICTORIA AVE.
TRACT No 4915
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'
PROJECT NO
R-1840
SHEET 3 OF 12
FILE NO.



VICTORIA AVENUE

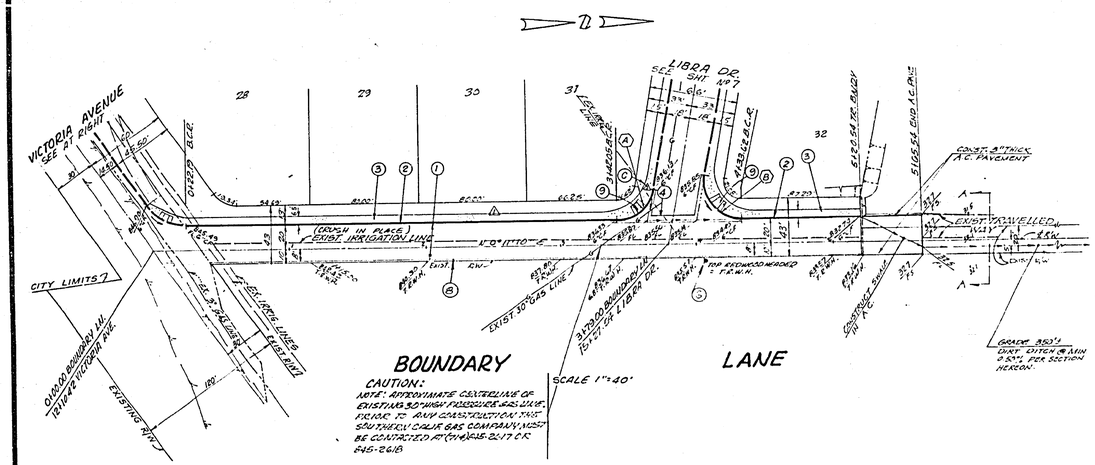
GAGE CANAL BY Patterson	VTN Consultants, Inc. Paul N. Eggers RCE 19557 5-15-75 DATE	2 ADDED ELEVATIONS 1 MODIFY VICTORIA AVE. SECTION MARK REVISIONS APPR. DATE DESIGNED BY DRAWN BY CHECKED BY	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY / BY / DATE CITY ENGINEER PARK DEPARTMENT TRAFFIC DIVISION ASSISTANT CITY ENG.	APPROVED BY William S. Hardman DIRECTOR OF PUBLIC WORKS DATE 1/30/76	STREET PLAN AND PROFILE VICTORIA AVE. 1400' ± S. CROSS ST. TO: 1100' ± N. CROSS ST. TRACT No 4915 HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

PROJECT NO. R-1840
SHEET 4 OF 2
FILE NO. 57-28

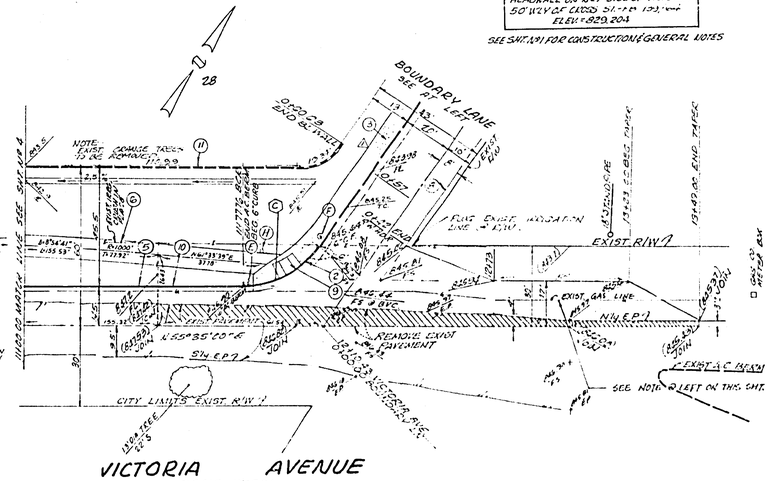


BENCH MARK: E3-D
SET P.K. NAIL AND TAG IN CULVERT HEADWALL ON W'LY SIDE OF VICTORIA 50' W'LY OF CROSS SLOPE
ELEV = 829.204

SEE SHT. 1 OF 1 FOR CONSTRUCTION & GENERAL NOTES

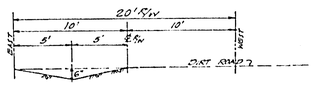


CAUTION:
NOTE: APPROXIMATE CENTERLINE OF EXISTING 8" STEEL NATURAL GAS LINE. PRIOR TO ANY CONSTRUCTION THE SOUTHERN CALIF. GAS COMPANY MUST BE CONTACTED AT (714) 645-2617 OR 645-2618



CURVE DATA

	Δ	R	L	T
A	79°21'19"	27'	37.40'	22.40'
B	100°38'41"	27'	47.43'	32.55'
C	55°23'50"	35'	33.84'	18.37'



SECTION A-A
TYPICAL DITCH DETAIL

GAGE CANAL
BY: F. D. Lane

VTN CONSULTANTS, INC.
ENGINEERS · ARCHITECTS · PLANNERS · ENVIRONMENTAL SCIENTISTS
PAUL N. BARRIOS RCE 15857 — DATE 5-15-75

A	ADDED ELEVATIONS		
A	MODIFY VICTORIA AVE. & ADD BOUNDARY LANE, & SHT. 2 OF 2		
MARK	REVISIONS	APPR.	DATE

DESIGNED BY — DRAWN BY — CHECKED BY

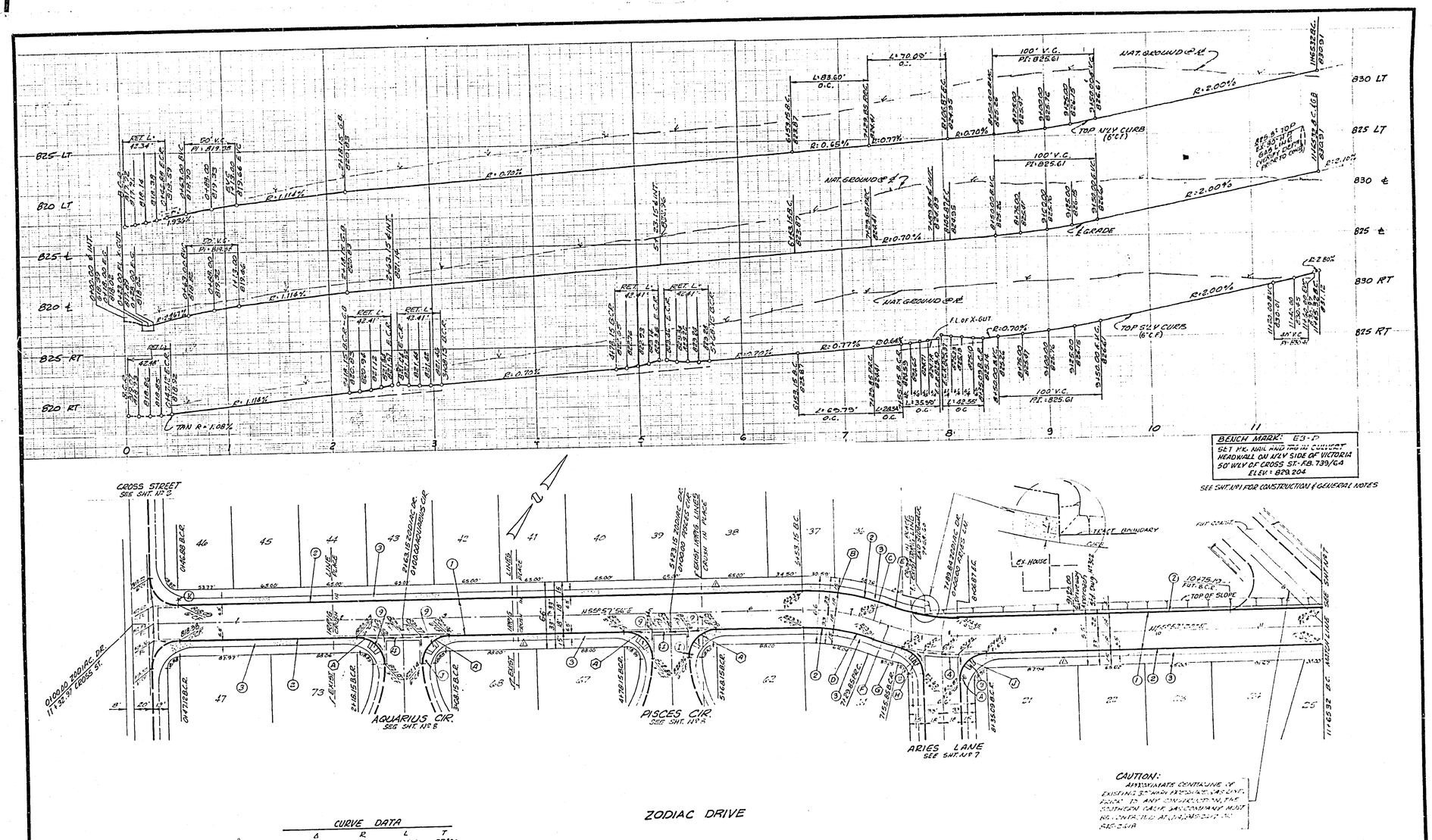
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	APPR.	DATE
OFFICE ENGINEER		
PARK DEPARTMENT		
TRAFFIC ENGINEER		
ASSISTANT CITY ENG.		

APPROVED BY: William D. Stanbury, DIRECTOR OF PUBLIC WORKS
DATE: 1/30/76

STREET PLAN AND PROFILE
BOUNDARY LN. FROM 300'± E/O CROSS ST. TO ALMONDEE LN.
VICTORIA AVE. FROM 400'± E/O CROSS ST. TO ALMONDEE LN.
TRACT No 24915
HORIZ. SCALE: 1" = 40'&20' VERT. SCALE: 1" = 4'

PROJECT NO. R-1840
SHEET 5 OF 7
FILE NO. 50129



CURVE DATA

	Δ	R	L	T
A	90°00'00"	27'	42.41'	27.00'
B	21°58'20"	218'	83.60'	42.32'
C	21°58'20"	200'	76.70'	38.83'
D	21°58'20"	182'	69.79'	35.33'
E	22°03'56"	182'	70.09'	35.49'
F	22°03'56"	200'	77.02'	38.99'
G	07°26'56"	218'	28.34'	14.19'
H	75°05'40"	27'	35.39'	20.75'
J	90°17'20"	27'	42.55'	27.14'

GAGE CANAL

BY [signature]

VTN Consolidated, Inc.
ENGINEERS ARCHITECTS PLANNERS

PAUL H. BARROS RCE 15857 — 5-15-76 DATE

CHANGE R S.W. TO CURB S.W.

DESIGNED BY — DRAWN BY — CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY — DIRECTOR OF PUBLIC WORKS — DATE 1/30/76

STREET PLAN AND PROFILE

ZODIAC DR. FROM CROSS STREET TO 1165' W. CROSS

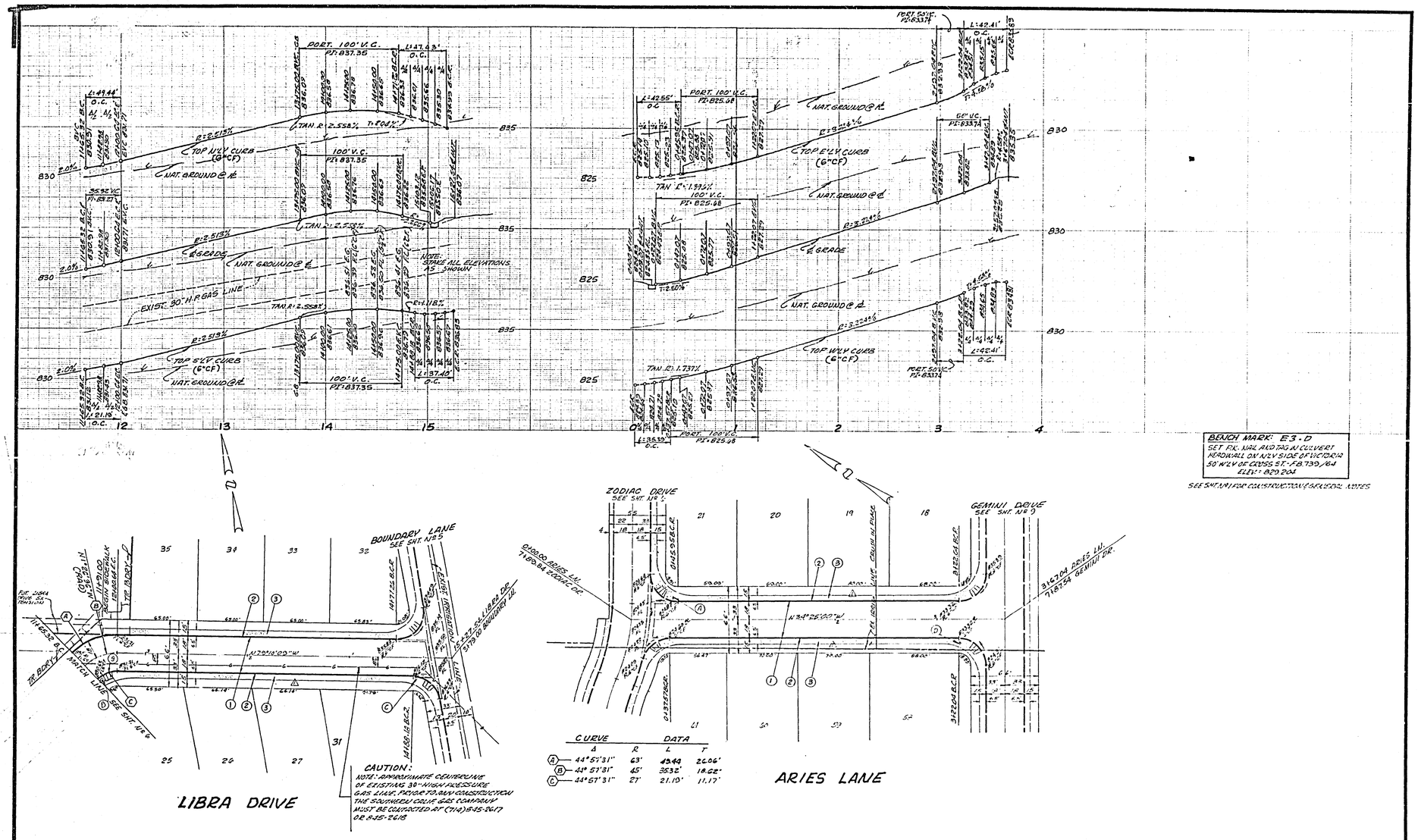
TRACT No 4915

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

PROJECT NO. R-1840

SHEET 6 OF 9

FILE NO. 5628



CURVE	DATA			
	Δ	R	L	T
(A)	44° 57' 31"	63'	49.44	26.06'
(B)	44° 57' 31"	45'	35.32'	18.62'
(C)	44° 57' 31"	27'	21.19'	11.17'

GAGE CANAL

BY [signature]

VTN consolidated, inc.
ENGINEERS · ARCHITECTS · PLANNERS

PAUL H. BARRIOS R.C.E. 15857 — 5-16-75 DATE

MARK	REVISIONS	BY	APPR.	DATE
1	CHANGE R. 5 A TO CURB 3 W	[illegible]	[illegible]	1/7/72

DESIGNED BY — DRAWN BY — CHECKED BY [illegible]

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY — CITY ENGINEER — PARK DEPARTMENT — TRAFFIC DIVISION — ASSISTANT CITY ENG.

APPROVED BY [signature] DIRECTOR OF PUBLIC WORKS

DATE 1/30/76

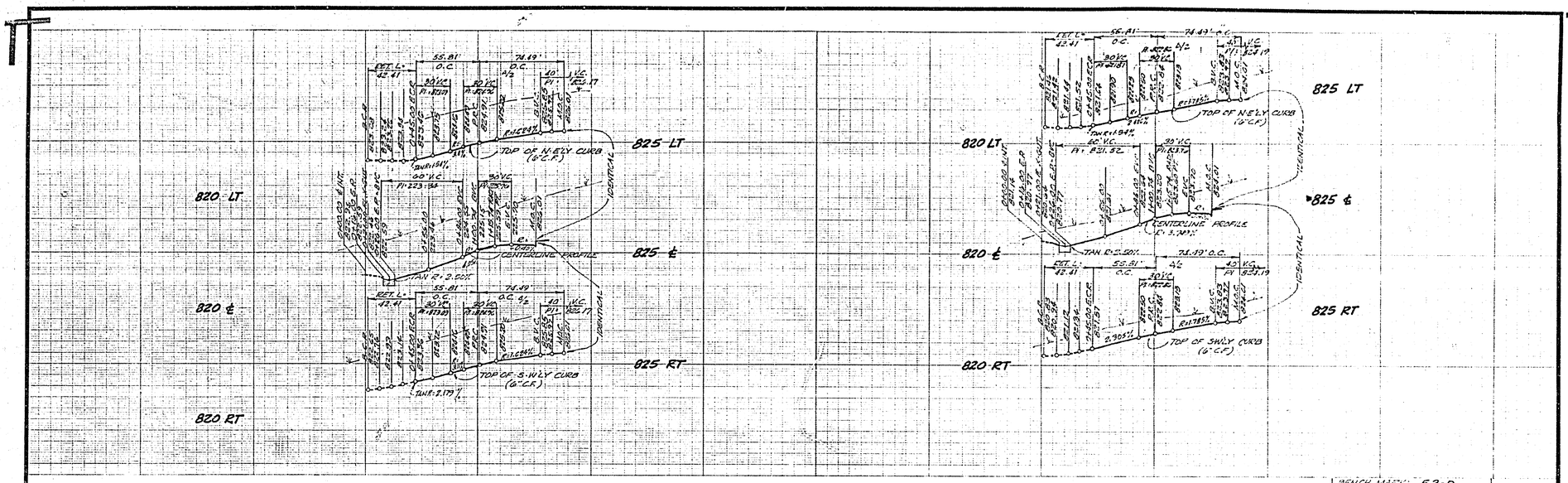
STREET PLAN AND PROFILE
LIBRA DRIVE FROM BOUNDARY LN. TO ZODIAC DR.
ARIES LANE FROM GEMINI DR. TO ZODIAC DR.
TRACT No 4915

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

PROJECT NO. R-1840

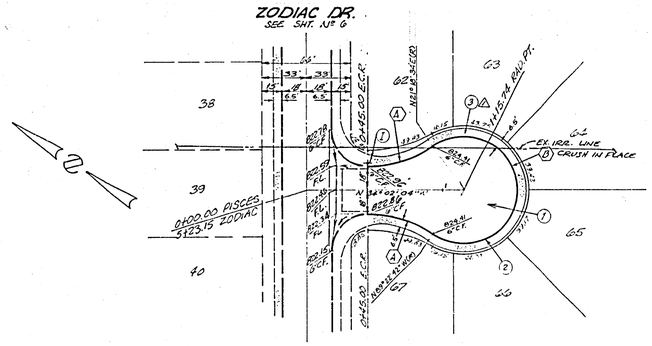
SHEET 7 OF 9

FILE NO. 6528

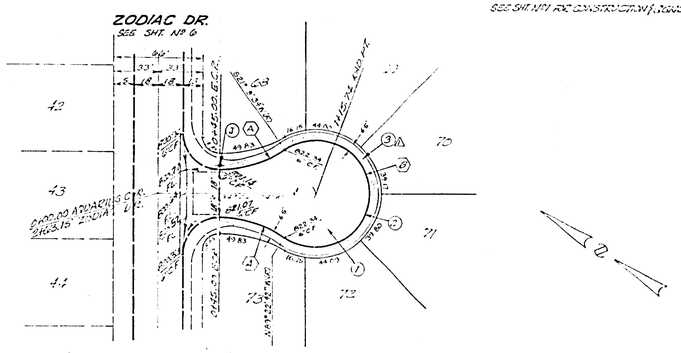


BENCH MARK: E3-D
SET PK NAIL AND TAG IN CULVERT HEADWALL ON N'LY SIDE OF VICTORIA 50' W'LY OF CROSS ST. FOR T.30/61
ELEV = 829.204

SEE SHT. NO. 1 FOR CONSTRUCTION & GENERAL NOTES



PISCES CIRCLE



AQUARIUS CIRCLE

CURVE DATA

	Δ	R	L	T
A	34° 39' 22"	84'	50.81'	26.21'
B	249° 18' 43"	40'	174.05'	——

GAGE CANAL
BY: P.S.W. Vale

VTN consultants, inc.
ENGINEERS ARCHITECTS PLANNERS
PAUL N. DAXOOS RCE 15457 — 5-15-79 DATE

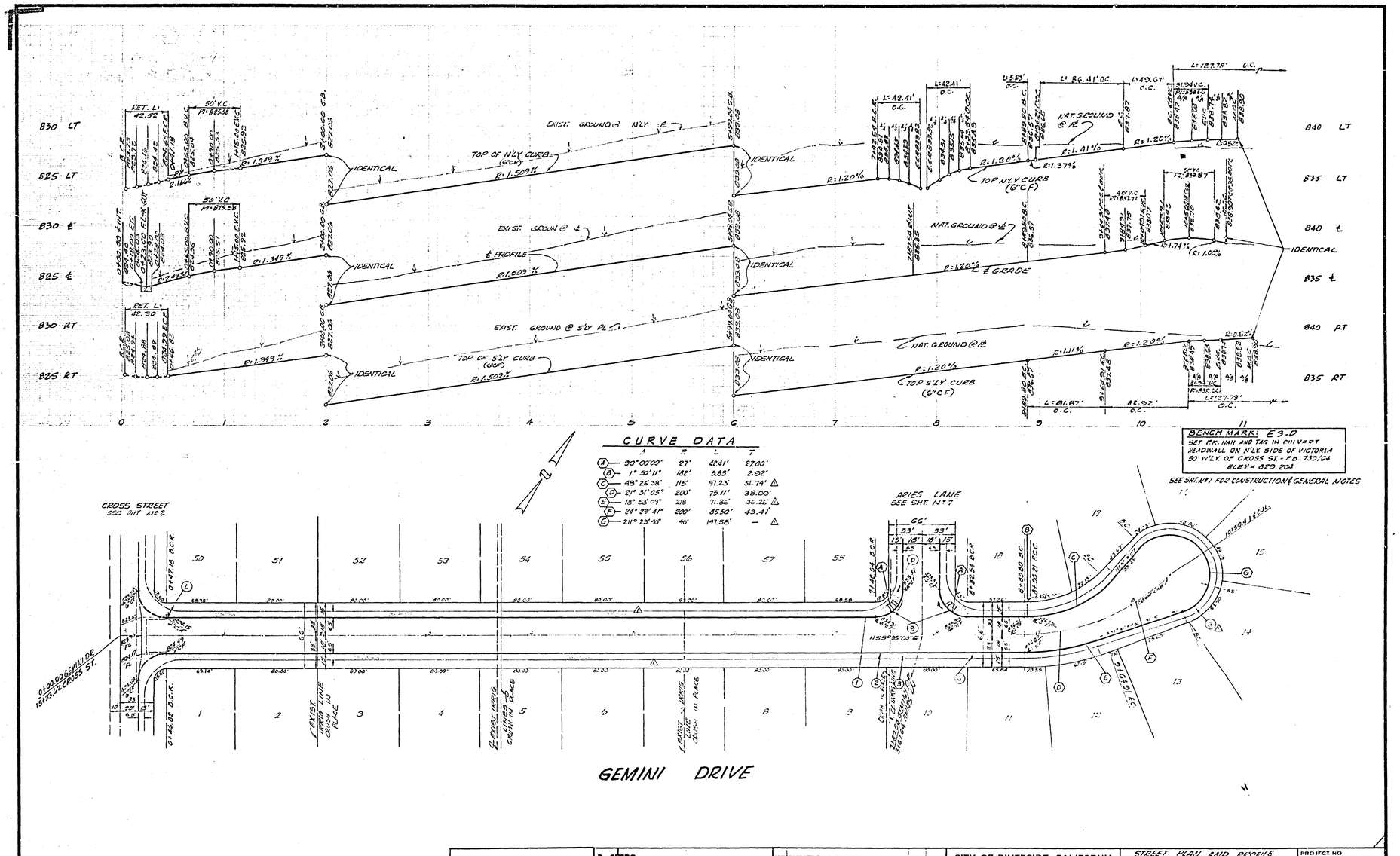
REVISIONS
DESIGNED BY — DRAWN BY — CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: OFFICE ENGINEER, PARK DEPARTMENT, TRAFFIC DIVISION, SANITARY ENGINEER
APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE 1/30/76

STREET PLAN AND PROFILE
PISCES CIRCLE
AQUARIUS CIRCLE
TRACT Nº 4915

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

PROJECT NO. R-1840
SHEET 8 OF 9
FILE NO. 5524



CURVE DATA

	Δ	R	L	T
A	90°00'00"	27'	42.41'	27.00'
B	1° 50'11"	182'	5.83'	2.92'
C	48° 26'38"	115'	97.23'	51.74' △
D	21° 31'05"	200'	75.11'	38.00'
E	18° 53'09"	218	71.86'	36.26' △
F	24° 29'41"	200'	85.50'	43.41'
G	211° 23'40"	40'	147.58'	— △

BENCH MARK: E3-D
SET P.K. NAIL AND TAG IN CULVERT HEADWALL ON N'LY. SIDE OF VICTORIA 50' W'LY. OF CROSS ST. - F.B. 739/64
ELEV = 829.204

SEE SHT. No 1 FOR CONSTRUCTION & GENERAL NOTES

GAGE CANAL
BY [signature]

VTN Consolidated, Inc.
ENGINEERS, ARCHITECTS, PLANNERS, OPERATIONS AND CONSULTING
PAUL H. BARROWS RCE 15957 — DATE 5.19.76

CHANGE CURB ARCHS TO CONC. CURB & G.W. TO CURB & G.W. — APPR. — DATE 7/20/76
REVISIONS
DESIGNED BY — DRAWN BY — CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY — CITY ENGINEER — PARK DEPARTMENT — TRAFFIC DIVISION — ASSISTANT CITY ENG. — BY — DATE
APPROVED BY — DIRECTOR OF PUBLIC WORKS — DATE 1/25/76

STREET PLAN AND PROFILE
GEMINI DRIVE FROM CROSS ST. TO WEST R.S. CROSS
TRACT No 4915
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

PROJECT NO. R-1840
SHEET 9 OF 9
FILE NO. 5628