

INDEX MAP
No Scale

ESTIMATE OF QUANTITIES

Excavation	2400	C.Y.
Embankment	0	C.Y.
Conc. Curb & Gutter (Std. 200)	410	L.F.
Conc. Curb S.W. (Std. 325)	482	L.F.
A.C. Paving	15,950	S.F.
Aggregate Base	15,950	S.F.
Driveway Approaches (13 ea.)		S.F.
Remove Tree		
18" R.C.P.	150	L.F.

CONSTRUCTION NOTES

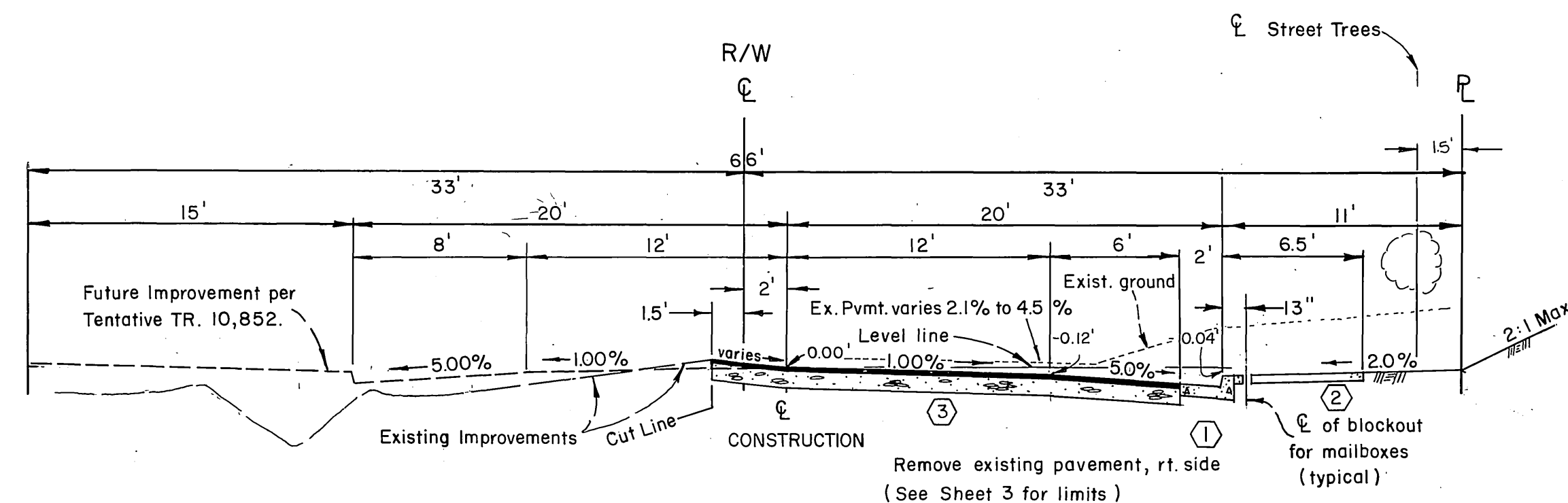
- ① Construct Curb and Gutter per Standard Drawing N° 200 (Type 1).
- ② Construct Curb Sidewalk per Standard Drawing N° 325.
- ③ Construct 2 1/2" A.C. Paving over 4" crushed aggregate base. *Per S.R. # 1263, R-58 (1985), R-93 (Private & Minerva)*
- ④ Construct 4" V.C.P. Laterals to property line per Std. 562.
- ⑤ Plant Street Trees.
- ⑥ Install 18" R.C.P. (Private) "D" = 2000
- ⑦ Construct Curb Outlet per Standard Drawing N° 410.
- ⑧ Construct 2-1/2" A.C. Paving for Bike Path.
- ⑨ Remove existing A.C. Pavement.
- ⑩ Remove existing Barricade and fence and reconstruct as necessary.
- ⑪ Relocate F.H. and W.V. by City forces
- ⑫ Install W 31 (END) & Type N (red) per Std. 180.
- ⑬ Remove 3' x 60' redwood retaining wall and "END" sign.
- ⑭ Construct Cleanout Box per Std. 425 (sealed lid), (Private)
- ⑮ Construct 2' Block Wall w/5' Wood Fence.
- ⑯ Existing water service and water meter

GENERAL NOTES

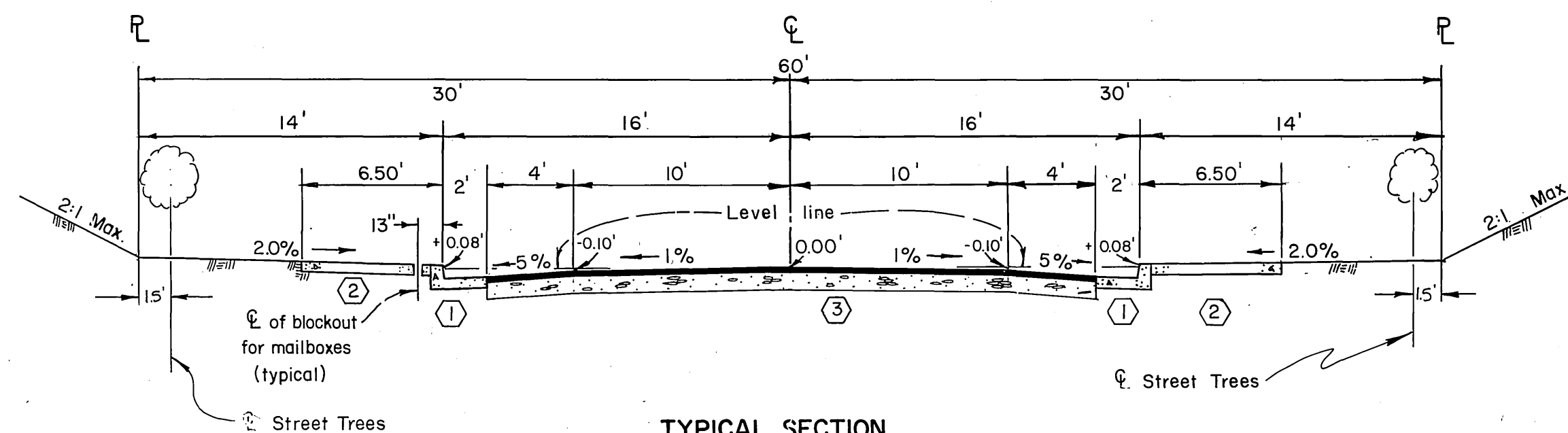
1. The private engineer signing these plans is responsible for the accuracy and acceptability of the work hereon. In the event of discrepancies arising during construction, the private engineer signing these plans shall be responsible for determining an acceptable solution and revising the plans for approval by the City.
2. Construction shall be in accordance with the City of Riverside Department of Public Works, Standard Drawings, and the Standard Specifications for Public Works Construction, 1985 Edition.
3. All flagged elevations shall be staked in the field by the private engineer.
4. Curb and gutter to be staked on 3' offset at 25' intervals.
5. Trim edge of existing pavement where new pavement joins, to a smooth, straight line. Construct match up pavement as shown on the plans and overlay paving as directed in the field to produce a smooth surface.
6. 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.
7. Any traffic control striping obliterated and/or badly worn during construction shall be restored by the Contractor within five days after notification from the City Inspectors.
8. 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.
9. Location of laterals to be determined in the field at the direction of the owner. Avoid conflict proposed and/or existing facilities.
10. Contractor is to verify existing sewer elevation prior to construction.
11. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
12. 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.
13. See "Street Lighting Plans" for quantity and location of required street lights.
14. The private engineer preparing these plans shall be responsible for preserving or re-establishing and referencing survey monuments destroyed, disturbed or buried as a result of construction shown hereon.
15. The sewer contractor shall adjust manholes to final grade after paving is completed.
16. The developer and/or contractor shall contact the Public Service Department (787-7251) to pick up any existing Std. 180 barricades that are being removed. The City's inspector will make the final determination on whether a barricade can be relocated.
17. The contractor shall call in a location request to Underground Service Alert (U.S.A.), phone N° 1-800-422-4133, two working days before digging. No construction permit will be issued by the Public Works Department involving excavation for underground facilities unless the applicant has been provided an inquiry identification number by U.S.A.
18. No finished floor elevation shall be less than 4' above the sewer flow line at the point of connection without having a proper backwater valve installed in the lateral.
19. In residential areas 6" x 6" or 6" diameter blockouts for mailboxes are required in curb sidewalks 10" to 14" from curb face at the property line between adjacent residences.
20. Developer to give City Water Division five (5) working days written notice prior to start of construction and to allow city ten (10) working days for completion of work. (787-7611)

GENERAL NOTES (STREET TREES)

1. All related work shall conform to the City of Riverside, Park and Recreation Department Standards.
 2. Contact the Park Projects Inspector a minimum of 48 hours in advance at 787-7223 to schedule inspections. Inspections shall be required: a) when plant locations have been spotted in the field prior to digging plant pits and planting and relocating trees, c) after planting and all other indicated or specified work has been completed for start of maintenance, and d) at the 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.)
 3. The Contractor / Developer shall maintain all plantings for a minimum period of one (1) year.
 4. Street tree plantings shall be as follows:
- | Street Name | Botanical Name / Common Name | Minimum Size | Approximate Spacing | Number Required |
|-----------------------|-----------------------------------------|--------------|---------------------|-----------------|
| a. Massachusetts Ave. | Fraxinus Velutina modesta / Modesto Ash | 15 gal. | 45' | 6 |
| b. Minerva Court | Fraxinus Velutina modesta / Modesto Ash | 15 gal. | 45' | 7 |
| c. Athena Court | Fraxinus Velutina modesta / Modesto Ash | 15 gal. | 45' | 7 |
5. Public Works and Park and Recreation Department permits are 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.



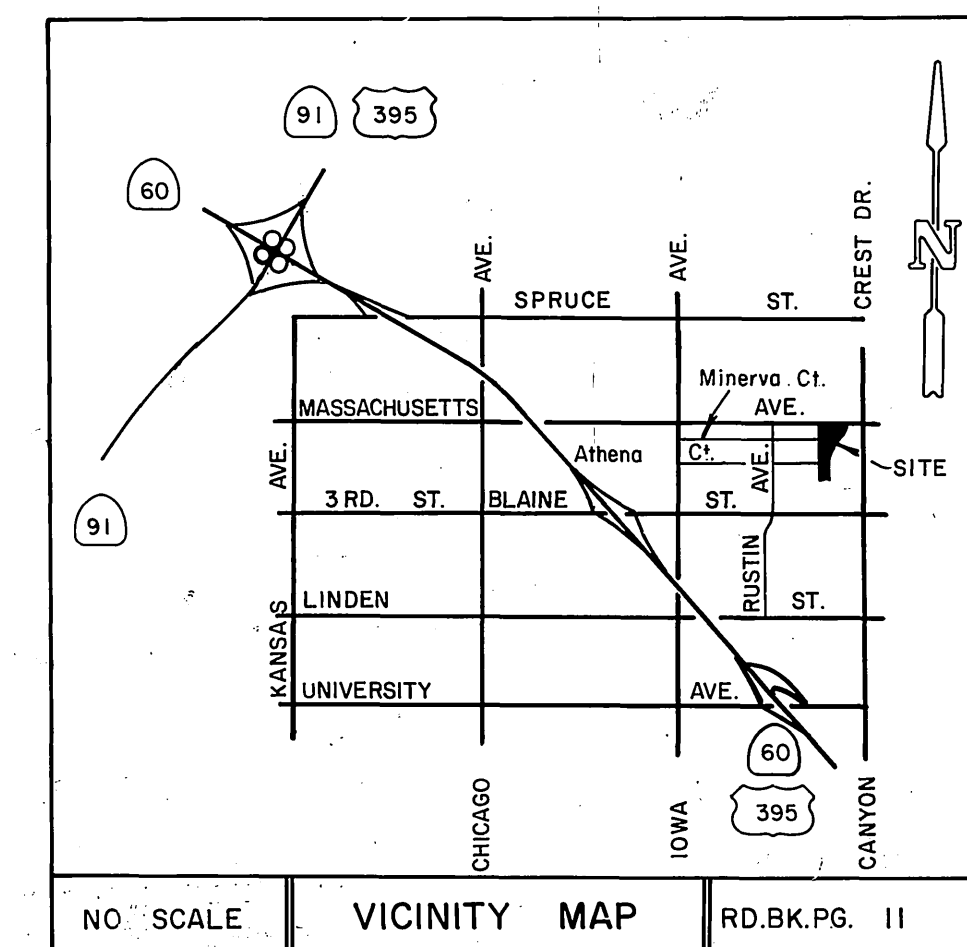
TYPICAL SECTION
MASSACHUSETTS AVENUE
Sta. 12+80 to 20+35.76
SCALE: 1" = 6'
T.I. = 6



TYPICAL SECTION
MINERVA CT. ATHENA CT.
Sta. 6+30.59 to 6+31.00 Sta. 6+30.67 to 6+31.00
SCALE: 1" = 6'
T.I. = 5

NOTE:

The Gage Canal shall not be liable for or incur any expense whatsoever for the blockwall, fence, stormdrain, bikeway or walkway shown on this plan.



PACIFIC TELEPHONE COMPANY
Approved by: *John Johnson* Date: 8-23-85
CITY OF RIVERSIDE - PUBLIC UTILITIES, ELECTRIC
Chief Utilities Engineer - Electric

SOUTHERN CALIFORNIA GAS COMPANY
Approved by: *Or Mc Brown* Date: 8-30-85
CITY OF RIVERSIDE - WATER SYSTEM
APPROVED: *W. L. Fahn* Date: 10-2-85

PERRIS ENGINEERING
PAUL DIEGES - CIVIL ENGINEER - R.C.E. 13234
1051 DAVIDS RD.; PERRIS, CA. 92370
(714) 657-2822
APPROVED BY: *Paul Dieges* DATE: 5-14-85
WO. _____ FOR _____ F.B. _____

BENCH MARK:
Found Standard Brass Disk stamped G 1144 1961, at the Highland Grammar School, set vertically in the west wall of a concrete patio, 2 feet above the ground.
Elevation: 1077.842

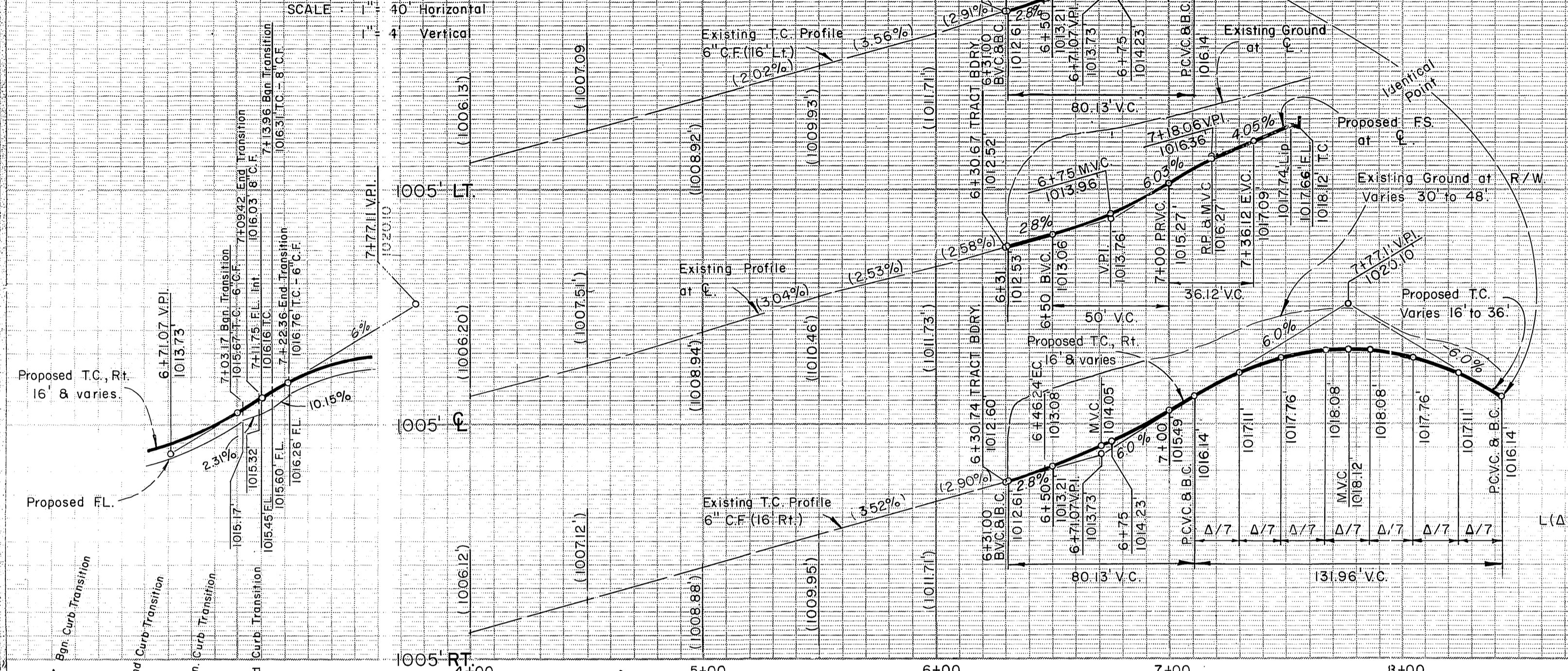
APPROVED BY: *John Johnson* DATE: 8-23-85
TRAFFIC DIVISION
DESIGNED BY: P.D. DRAWN BY: J.L. CHECKED BY: G.Y. R...

GAGE CANAL CO.
Approved by: *John M. Gage* Date: 8-22-1985
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: *William D. Gardner* DATE: 10-11-85
DIRECTOR OF PUBLIC WORKS

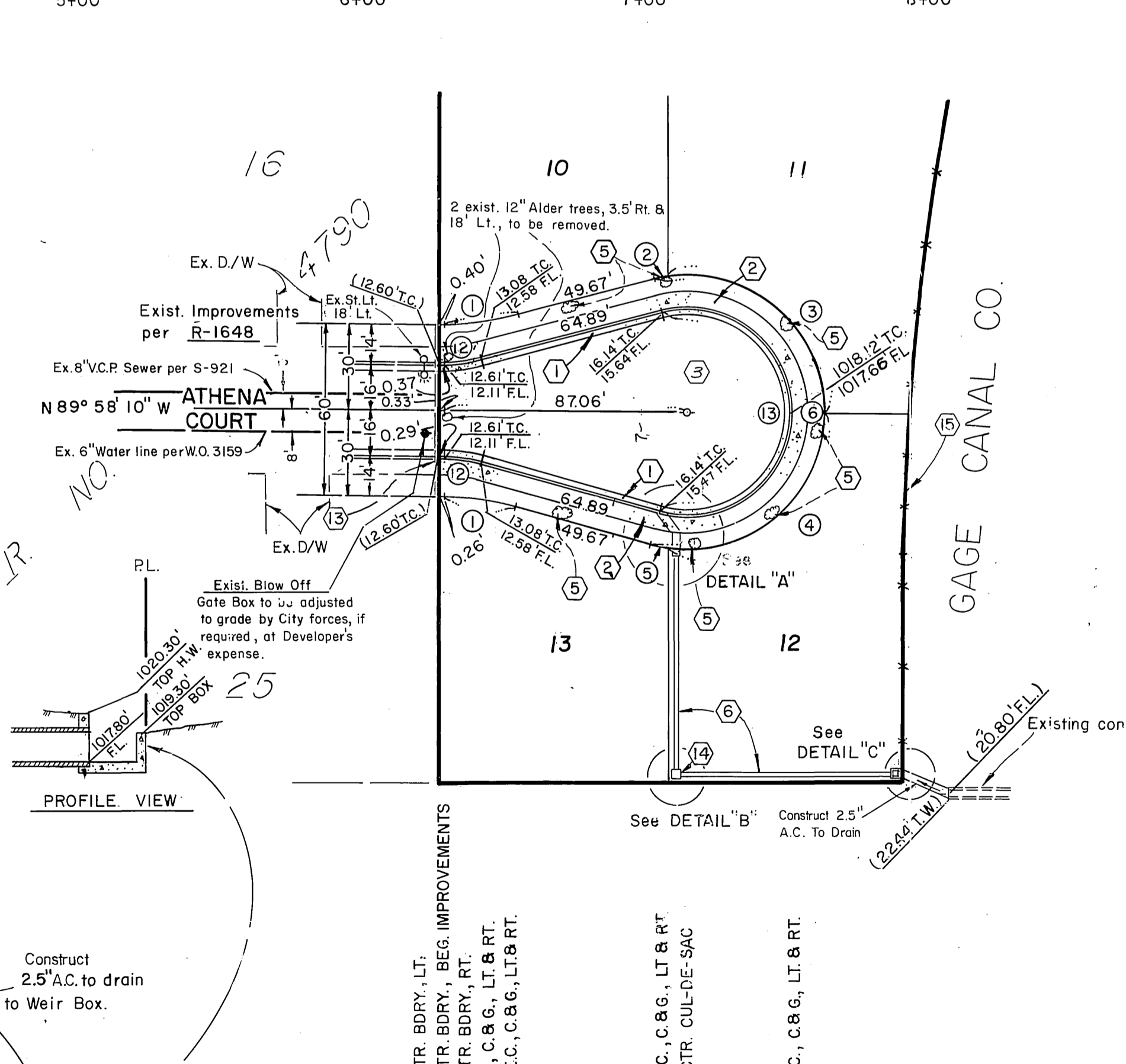
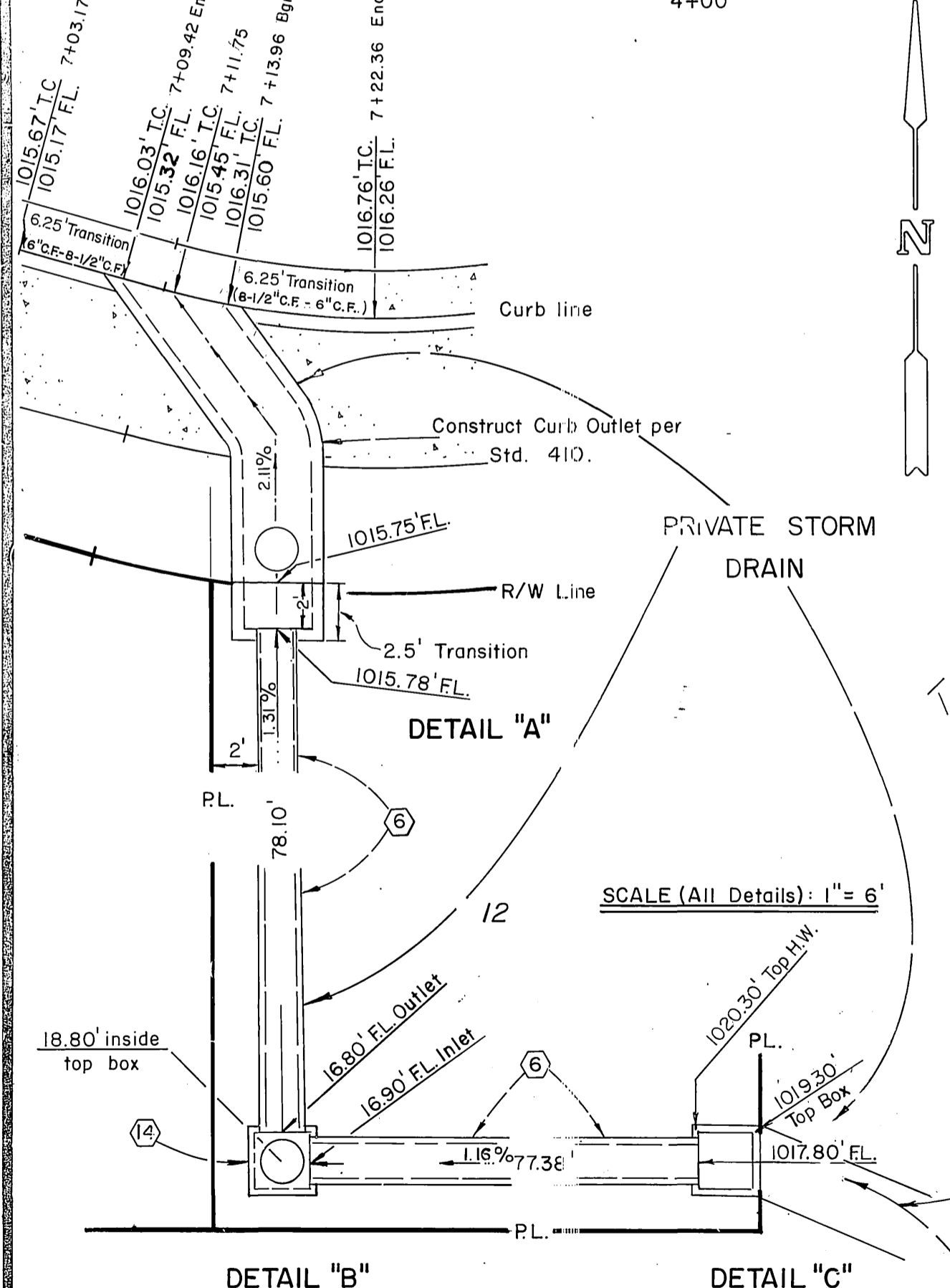
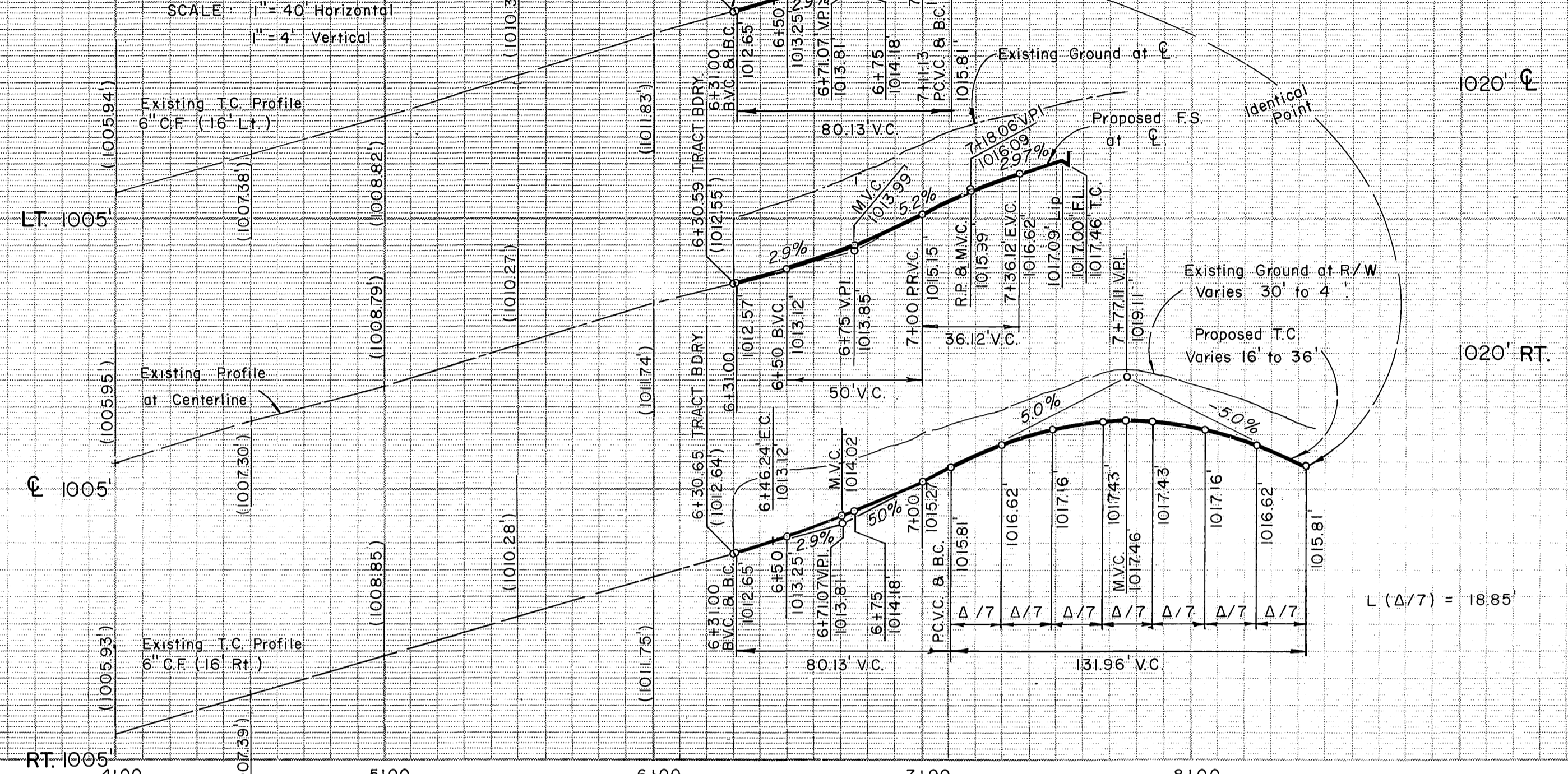
ACCOUNT N°
DRAWING NUMBER
TRACT N° 19590
INDEX MAP
SHEET 1 OF 3
W.O. N° 84-34
SCALE: HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

PC 1757

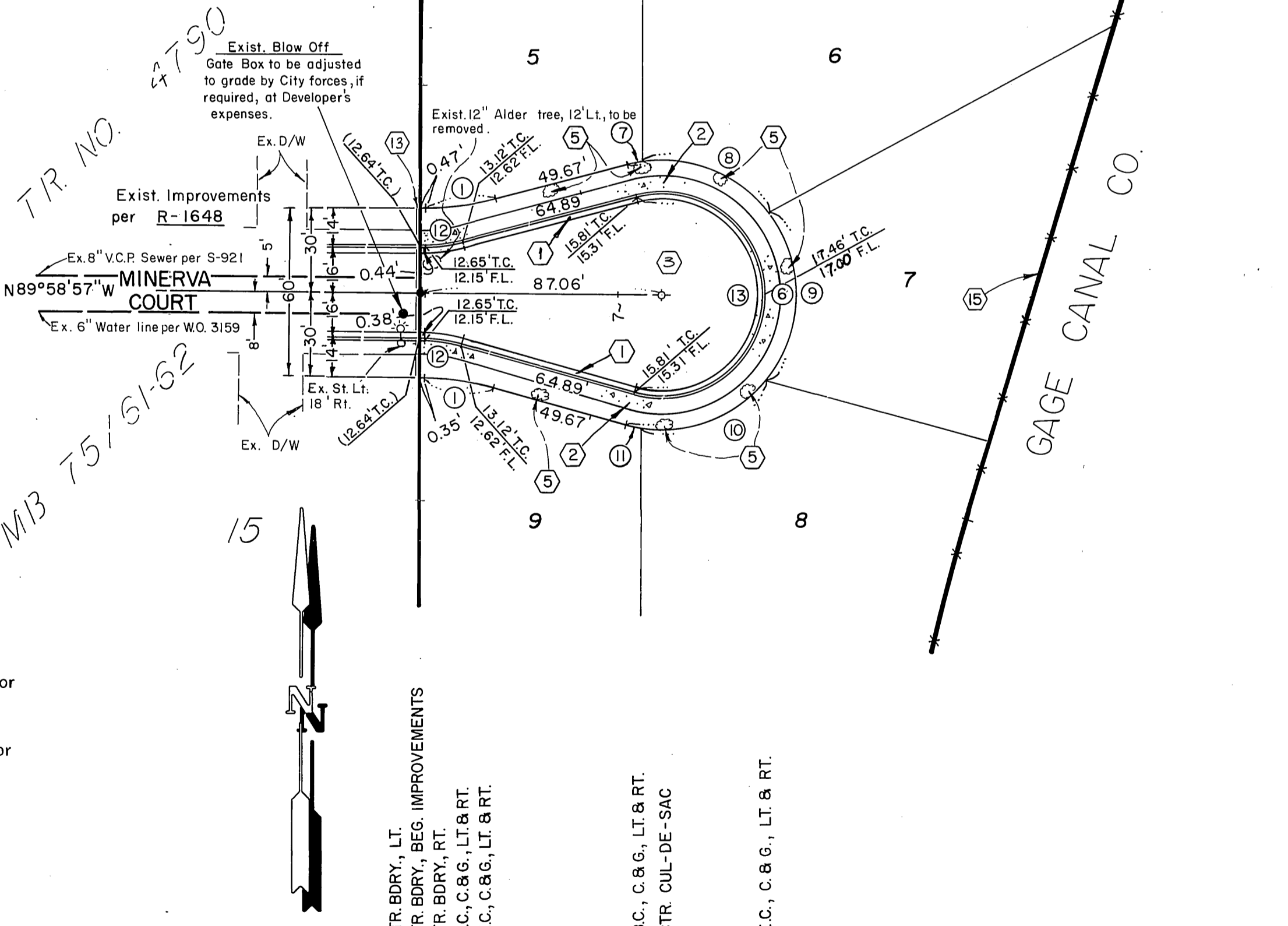
ATHENA COURT PROFILES



MINERVA COURT PROFILES



R/W CURVE DATA				
	DELTA	RADIUS	LENGTH	TANGENT
1	15° 00' 00"	103.00'	26.97'	13.56'
2	6° 00' 52"	48.00'	5.04'	
3	98° 59' 08"	48.00'	82.93'	
4	98° 43' 29"	48.00'	82.71'	
5	6° 16' 31"	48.00'	5.26'	
6	210° 00' 00"	48.00'	175.93'	
7	5° 55' 49"	48.00'	4.97'	
8	60° 24' 11"	48.00'	50.60'	
9	77° 20' 00"	48.00'	64.79'	
10	60° 10' 09"	48.00'	50.41'	
11	6° 09' 51"	48.00'	5.16'	
CURB CURVE DATA				
12	15° 00' 00"	58.21'	15.24'	7.66'
13	210° 00' 00"	36.00'	131.95'	



NOTE:
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PACIFIC TELEPHONE COMPANY
APPROVED BY: *John Johnson* DATE: 8-19-85
CITY OF RIVERSIDE PUBLIC UTILITIES, ELECTRIC
CHIEF UTILITIES ENGINEER - ELECTRIC DATE: 8/21/85

SOUTHERN CALIFORNIA GAS COMPANY
APPROVED BY: *OR M. Jordan* DATE: 8-30-85
CITY OF RIVERSIDE WATER SYSTEM
APPROVED BY: *Paul Dieges* DATE: 10-2-85

PERRIS ENGINEERING
PAUL DIEGES - CIVIL ENGINEER - R.C.E. 13234
1051 DAVIDS RD.; PERRIS, CA. 92370
(714) 657-2822
APPROVED BY: *Paul Dieges* DATE: 5-14-85

BENCH MARK:
Found Standard Brass Disk stamped G 1144 1961, at the Highland Grammar School, set vertically in the west wall of a concrete patio, 2 feet above the ground.
Elevation: 1077.842

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: *William D. Hardin* DATE: 10-11-85
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF PUD. WKB. ENGR.

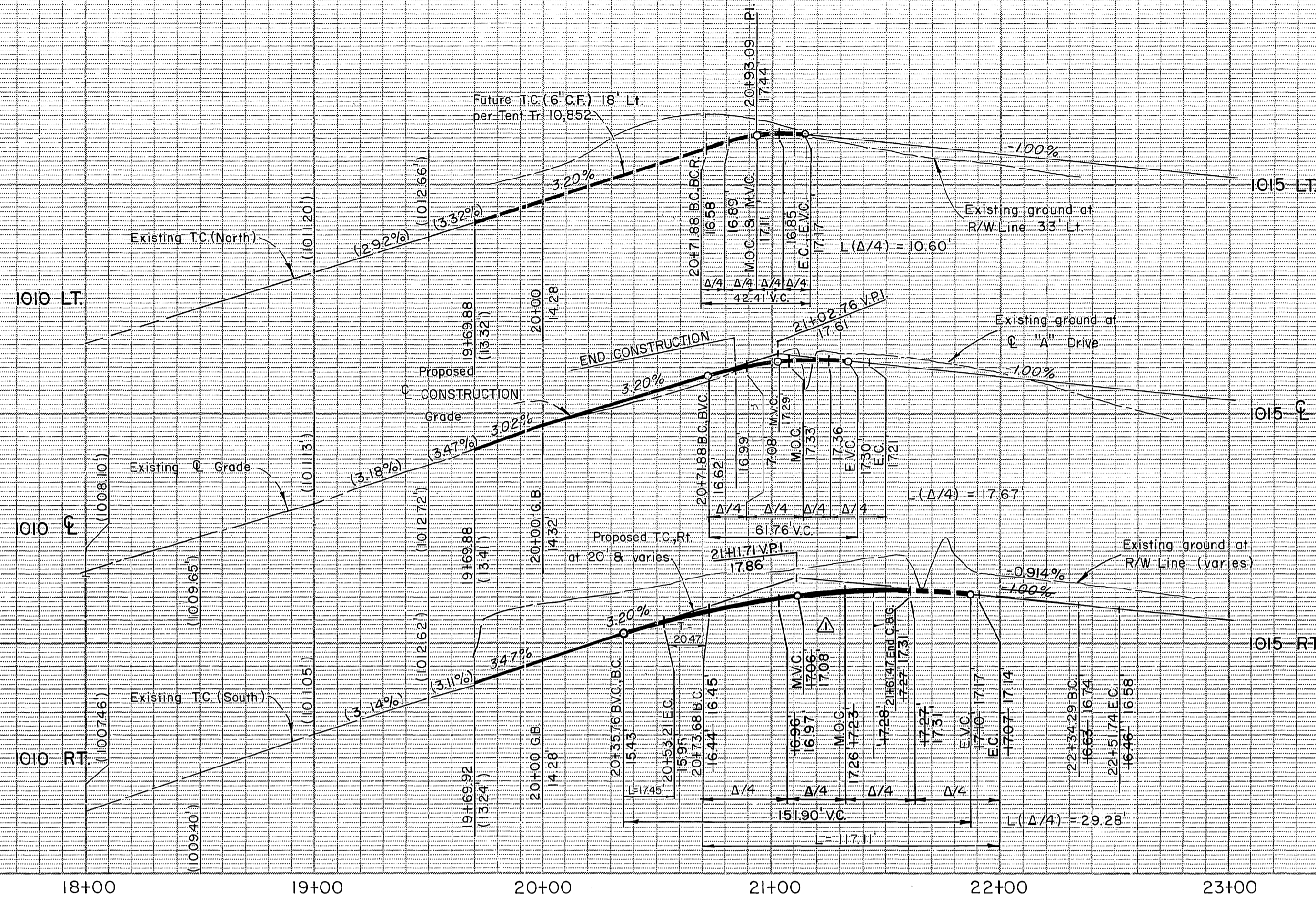
STREET PLAN AND PROFILE
TRACT No 19590
ATHENA and MINERVA COURTS
SCALE: HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

ACCOUNT No. DRAWING NUMBER
R-2719
SHEET 2 OF 3
W.O. No 84-34
INDEX W/F
GAGE CANAL CO.
John M. Hacking 8-22-1985
Approved by Date

PC 175

MASSACHUSETTS AVE PROFILES

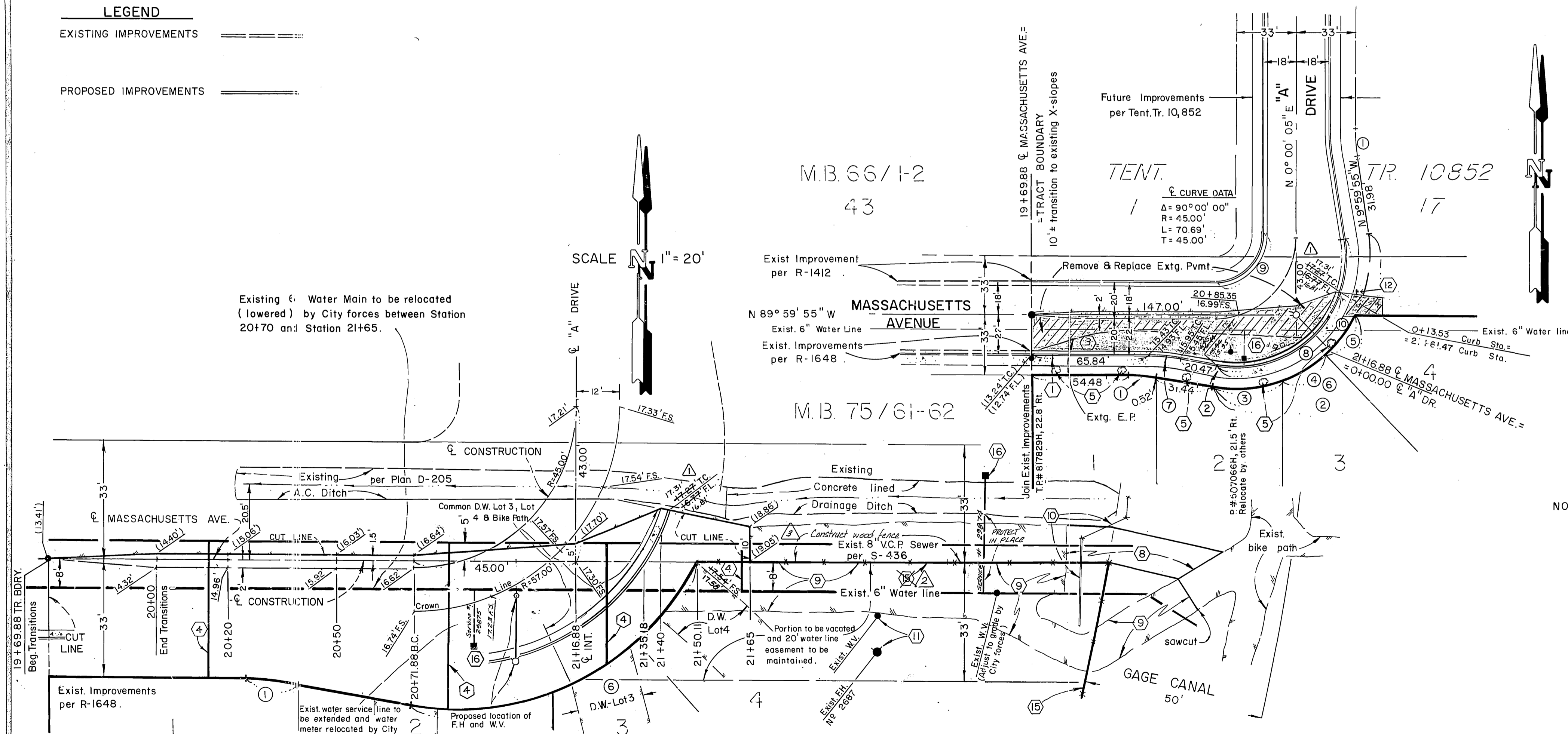
SCALE: 1" = 40' Horizontal
1" = 4' Vertical



LEGEND
EXISTING IMPROVEMENTS
PROPOSED IMPROVEMENTS

Existing 6" Water Main to be relocated (lowered) by City forces between Station 20+70 and Station 21+65.

SCALE 1" = 20'



R/W CURVE DATA				
	DELTA	RADIUS	LENGTH	TANGENT
①	10° 00' 00"	87.00'	15.18'	7.61'
②	110° 00' 00"	74.00'	142.07'	
③	30° 37' 24"	74.00'	39.55'	
④	21° 26' 32"	74.00'	27.69'	
⑤	21° 27' 02"	74.00'	27.70'	
⑥	73° 30' 58"	74.00'	94.95'	

CURB CURVE DATA				
	DELTA	RADIUS	LENGTH	TANGENT
⑦	10° 00' 00"	100.00'	17.45'	8.75'
⑧	82° 27' 19"	61.00'	87.79'	
⑨	90° 00' 00"	27.00'	42.41'	
⑩	110° 00' 00"	61.00'	117.11'	

KNUCKLE DATA

P	W	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	B	C
Massachusetts Ave.	33'	20'	100'	87'	12'	27'	45'	61'	74'	31.98' 59.46'
"A" Drive	33'	18'	100'	87'	12'	27'	45'	61'	74'	31.98' 59.46'

NOTE:
The Gage Canal shall not be liable for or incur any expenses whatsoever for the blockwall, fence, stormdrain, bikeway or walkway shown on this plan.

PACIFIC TELEPHONE COMPANY APPROVED BY: <i>John D. Smith</i> DATE: 8-19-85	SOUTHERN CALIFORNIA GAS COMPANY APPROVED BY: <i>Dr. McHown</i> DATE: 8-30-85	PERRIS ENGINEERING PAUL DIEGES - CIVIL ENGINEER - R.C.E. 13234 1051 DAVIDS RD.; PERRIS, CA. 92370 (714) 657-2822 APPROVED BY: <i>Paul Dieges</i> DATE: 5-19-85	BENCH MARK: Found Standard Brass Disk stamped G 1144 1961, at the Highland Grammar School, set vertically in the west wall of a concrete patio, 2 feet above the ground. Elevation: 1077.842	Change grade existing st. on curb - outside of curb Knuckle Change affected grades on Plan Profile Delete Construction Note 15 at North Line Lot 4 Add Fence construction note	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: <i>William S. Gardner</i> DATE: 10-11-85 CHIEF PUBLIC WORKS ENGINEER	STREET PLAN AND PROFILE TRACT No 19590 MASSACHUSETTS AVE. SCALE: HORIZONTAL: 1" = 40', VERTICAL: 1" = 4'	ACCOUNT No. DRAWING NUMBER R-2719 SHEET 3 OF 3 W.O. No 84-34
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PC 1767