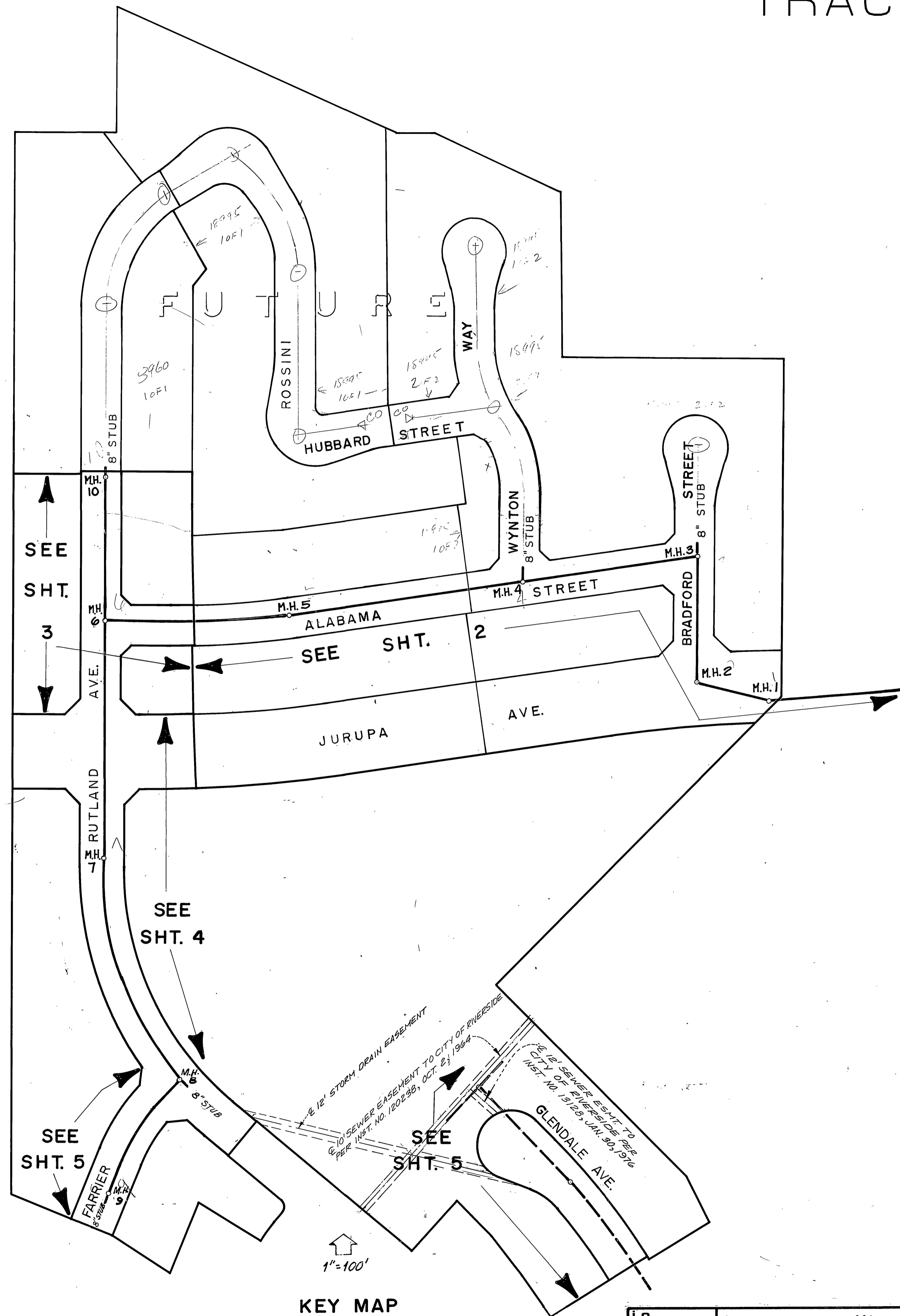


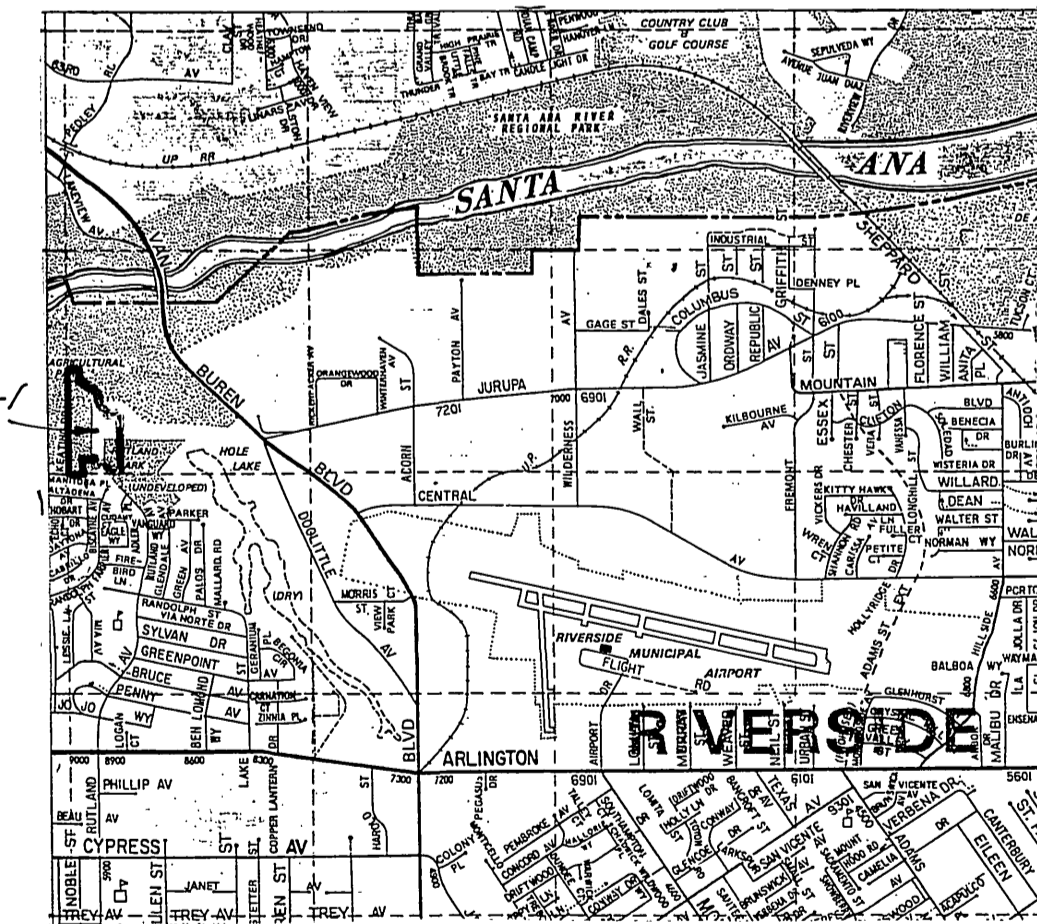
# SEWER IMPROVEMENT PLANS

## TRACT NO. 8960-1



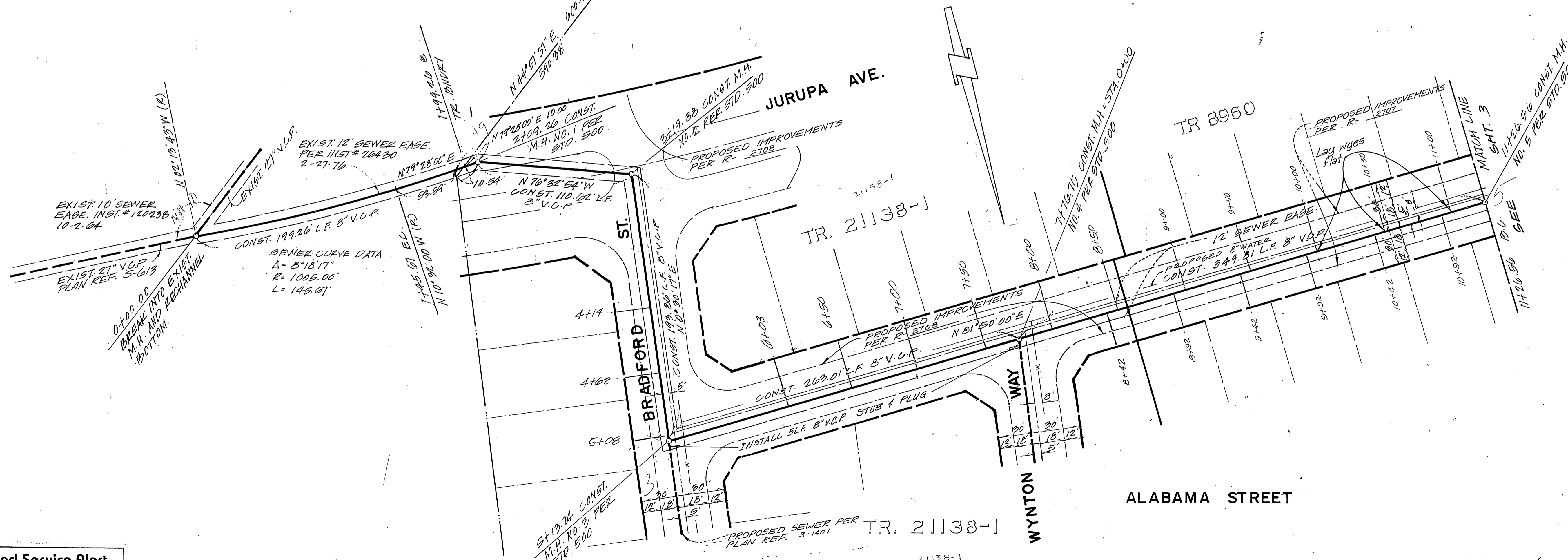
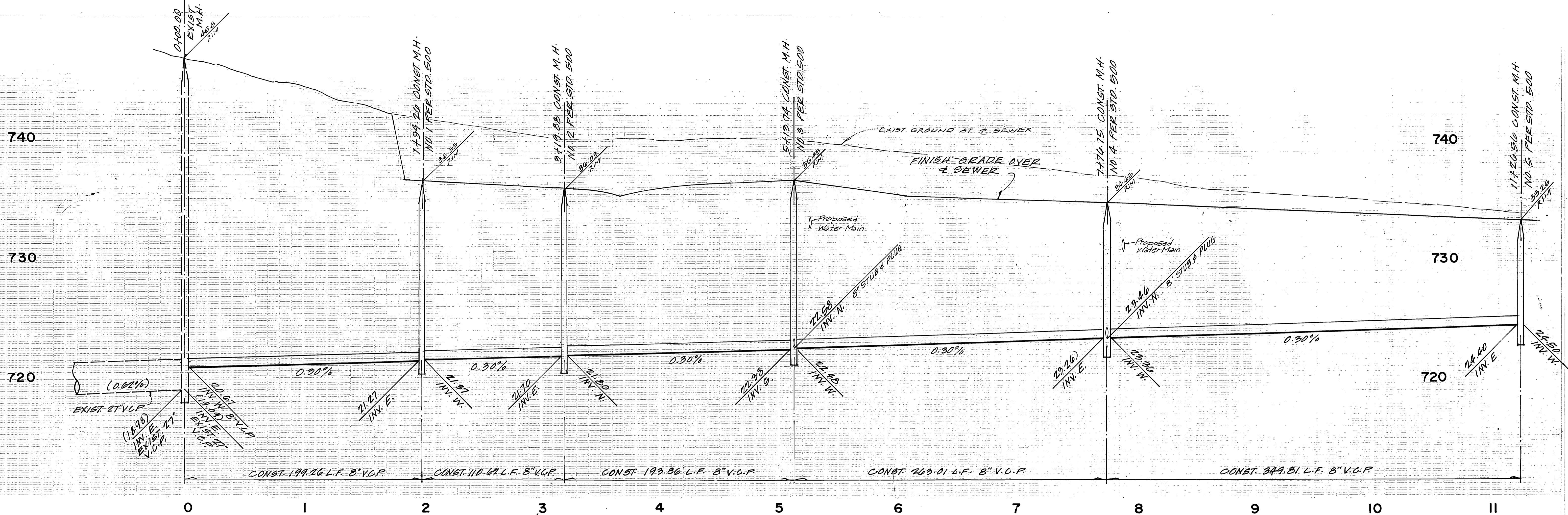
**GENERAL NOTES:**

1. 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.
2. 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.
3. Contractor is to verify existing sewer elevation prior to construction.
4. Location of laterals to be determined in the field at the direction of the owner. Avoid conflict with proposed and/or existing facilities. Laterals to be 4" and extended to the property line. No laterals directly opposite each other. Per Std. 562.
5. No finished floor elevation shall be less than 4' above the sewer flow line at point of connection without having a proper backwater valve installed in the lateral.
6. The sewer contractor shall adjust manholes to final grade after paving is completed.
7. A plug shall be installed and will remain in place where the new sewer connects with the existing sewer until the new sewer is accepted by the City.
8. Contractor shall modify existing manhole invert to rechannel flow from new main.
9. 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 revising the plans for approval by the City.
10. The contractor shall call in a location request to Underground Service Alert (USA), Phone No. 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.
11. 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.
12. All flagged elevations shall be staked in the field by the private engineer.



**PRIVATE ENGINEER'S NOTE TO CONTRACTOR**  
 The existence and location of any underground utility pipes or structures shown on this plan are obtained by search of 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 or any other lines of record, shown or not shown on this plan.

<p>i.e.                  designed: <b>PEB</b>                  drawn: <b>AD</b>                  checked: <b>PEB</b></p>	<p><b>brown &amp; mullins, inc.</b>                  engineering &amp; surveying                  2150 no. arrowhead avenue                  san bernardino, california</p> <p><i>bm</i>                  (714)886-4768                  Feb. 1985                  date</p>	<p><b>CITY OF RIVERSIDE</b>                  PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: <b>W. Williams</b>                  DATE: <b>12-18-85</b></p> <p>APPROVED BY: <b>W. Williams</b>                  DATE: <b>12-18-85</b></p>	<p>SEWER PLANS                  TRACT NO. 8960-1                  TITLE SHEET                  PRD-18-834</p> <p>ACCOUNT NO. <b>S-1399</b>                  SHEET <b>1</b> OF <b>5</b></p> <p>HORIZ. SCALE: 1" =                   VERT. SCALE: 1" =</p>
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**Underground Service Alert**  
 Call: TOLL FREE  
 1-800-422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

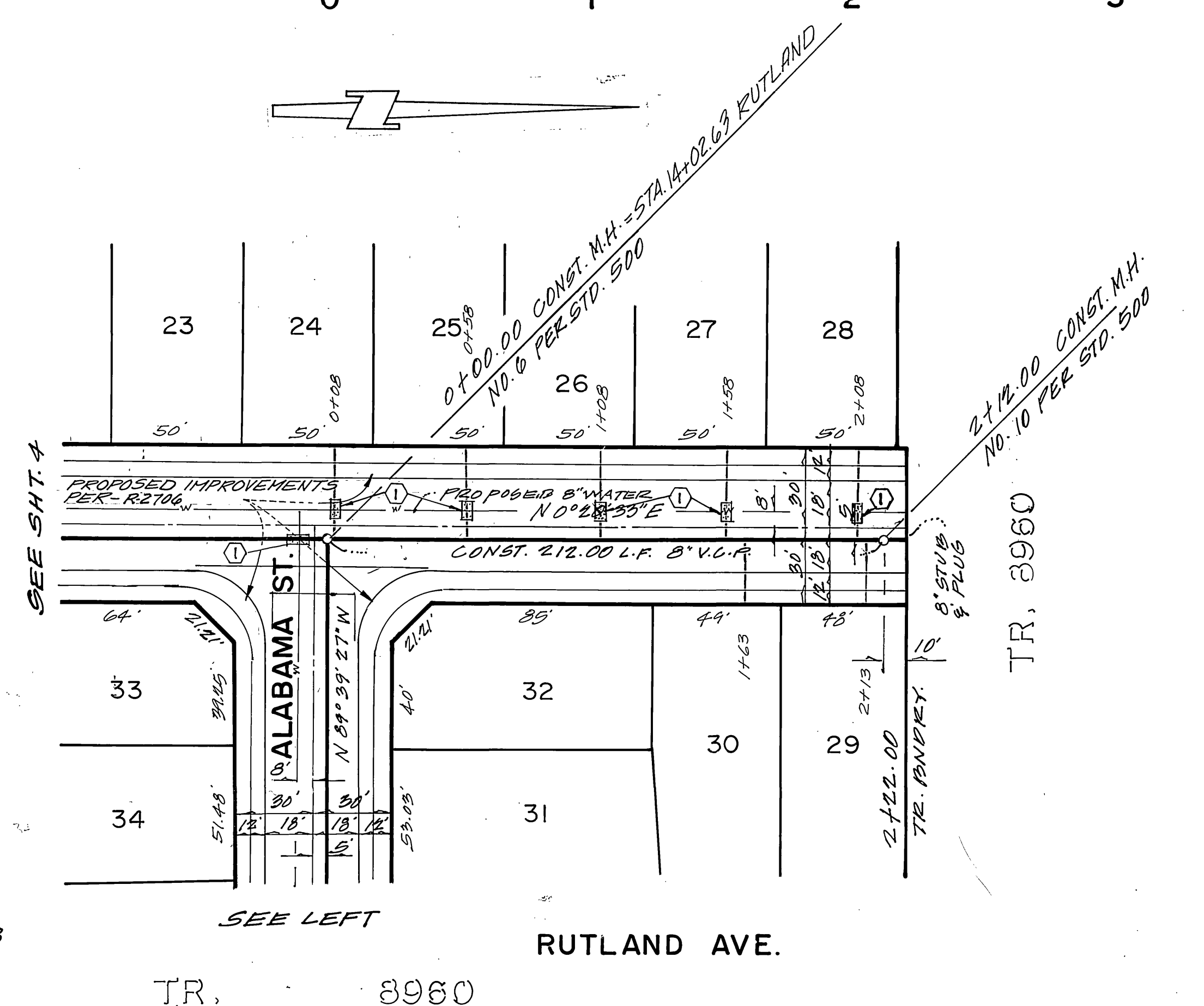
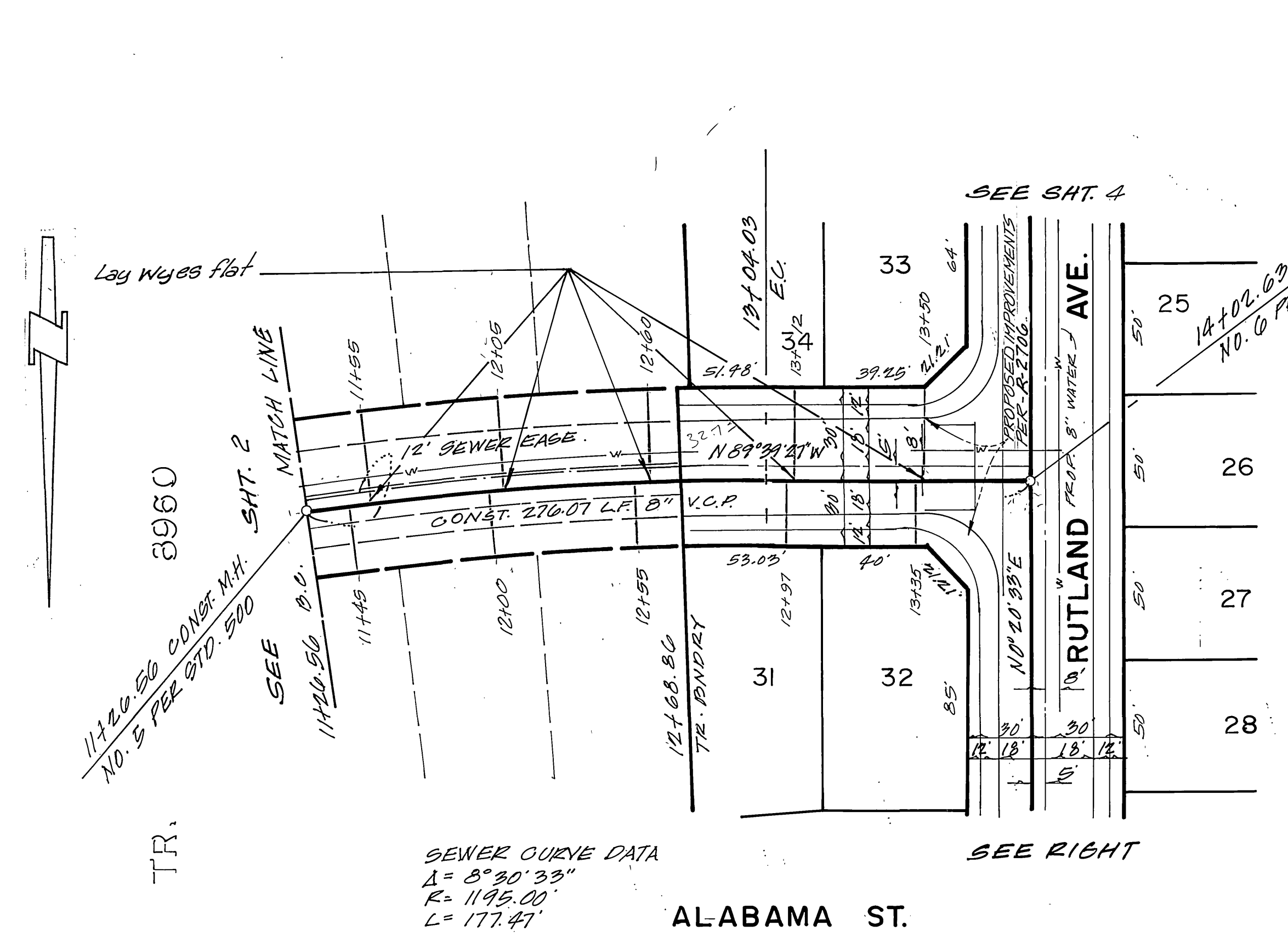
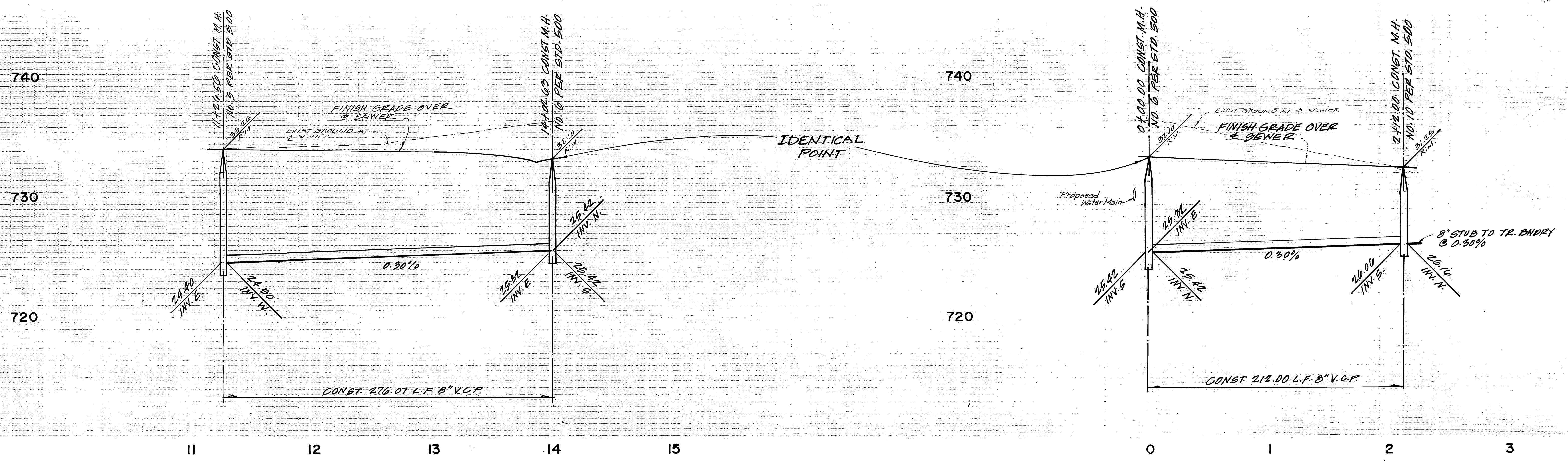
CITY OF RIVERSIDE  
 WATER SYSTEM  
 Approved \_\_\_\_\_ Date \_\_\_\_\_

designed: PEB  
 drawn: AD  
 checked: PEB  
 brown & mullins, inc.  
 engineering & surveying  
 2150 no. arrowhead avenue  
 san bernardino, california  
 PHILIP E. BROWN R.C.E. 18679

*bmi*  
 (714) 886-4768  
 FEB 1985  
 date

CITY OF RIVERSIDE  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY \_\_\_\_\_ DATE 12/18/85  
 PRINCIPAL ENGINEER  
 PARK DEPARTMENT  
 TRAFFIC DIVISION  
 CHIEF P. V. ENGINEER  
 WILLIAM S. HARDEN  
 PUBLIC WORKS DIRECTOR  
 DATE 12-18-85

BENCHMARK: Fd. P.K. nail in NE curb return at Arlington Ave., and Rutland Ave. Elevation = 746.244  
 \*As built 9-21-85  
 SEWER PLANS  
 TRACT NO. 8960-1  
 JURUPA AVE.  
 ALABAMA ST.  
 INDEXED D.N.  
 ACCOUNT NO.  
 S-1399  
 25  
 SHEET 2 OF 5  
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'



SEWER CURVE DATA  
 $\Delta = 8^{\circ}30'33''$   
 $R = 1195.00'$   
 $L = 177.47'$

Construction Note:  
 ① Encase sewer per C.M.D.-022 & C.M.D.-023

**Underground Service Alert**  
 Call: TOLL FREE  
 1-800-422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE  
 WATER SYSTEM  
 designed: P.E.B.  
 drawn: A.D.  
 checked: P.E.B.  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

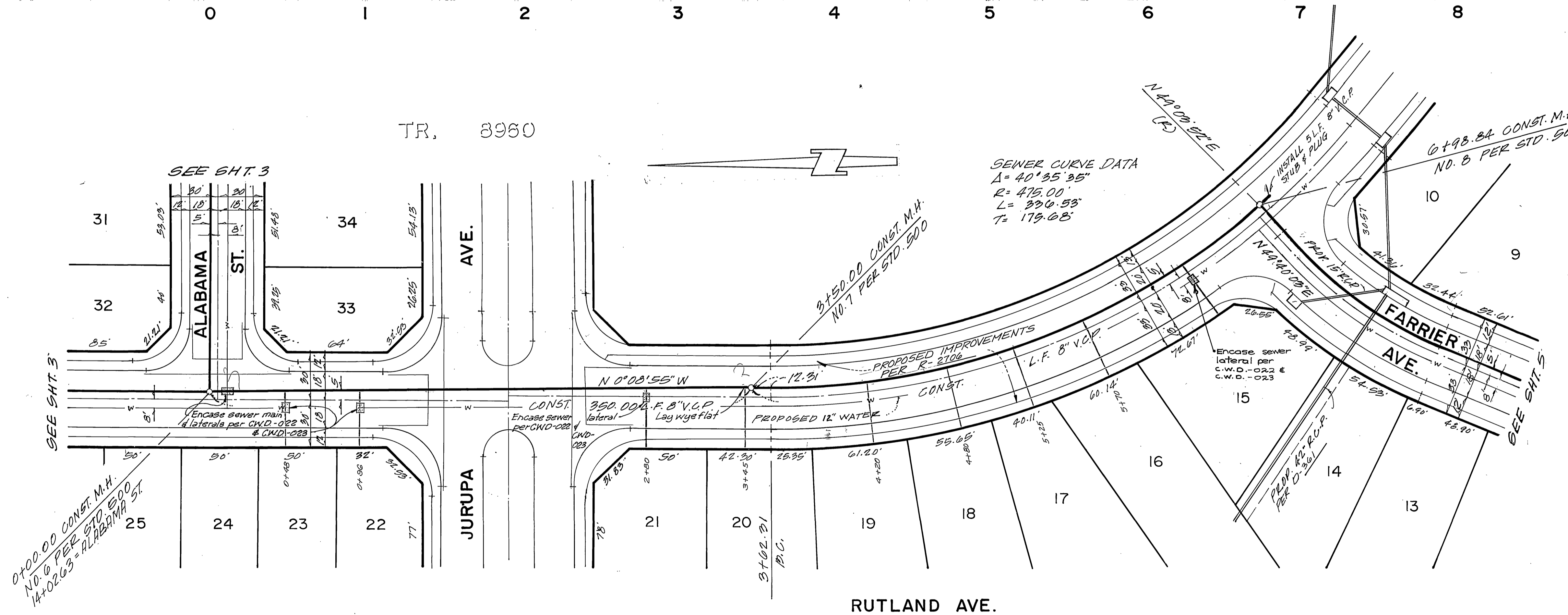
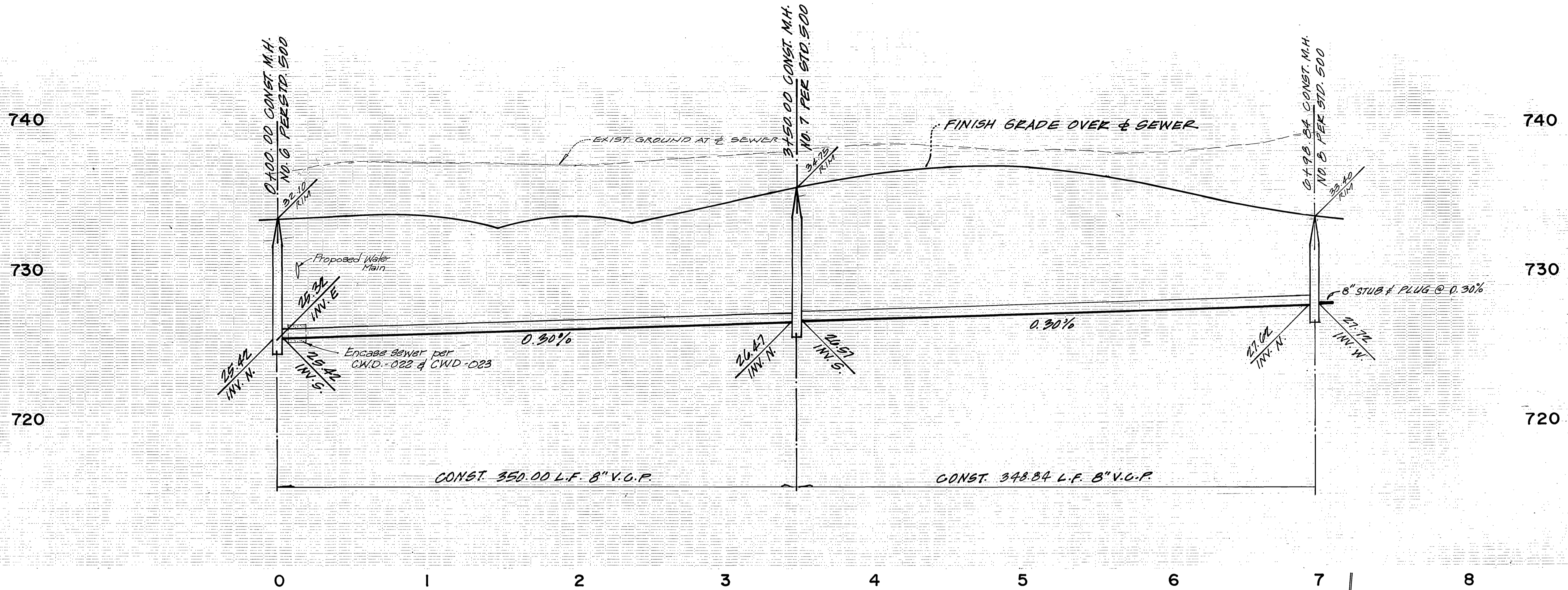
brown & mullins, inc.  
 engineering & surveying  
 2150 no. arrowhead avenue  
 san bernardino, california  
 (714)886-4768  
 FEB 1988 date

DESIGNED BY: P.E.B. DRAWN BY: A.D. CHECKED BY: P.E.B.  
 REVISIONS: \_\_\_\_\_ APPR. DATE: \_\_\_\_\_

CITY OF RIVERSIDE  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: \_\_\_\_\_ DATE: 12/16/85  
 CHIEF P.W. ENGINEER

INDEXED D.N.  
 SEWER PLANS  
 TRACT NO. 8960-1  
 RUTLAND AVE.  
 ALABAMA ST.  
 ACCOUNT NO. S-1399  
 SHEET 3 OF 5  
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

BENCHMARK: Fd. P.K. nail in NE curb return at Arlington Ave. and Rutland Ave. Elevation=746.244 FB739/58



**Underground Service Alert**  
 Call: TOLL FREE  
 1-800-422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

**CITY OF RIVERSIDE WATER SYSTEM**  
 i.o. brown & mullins, inc.  
 engineering & surveying  
 2150 no. arrowhead avenue  
 san bernardino, california  
 (714) 886-4768  
 FEB 1985  
 date

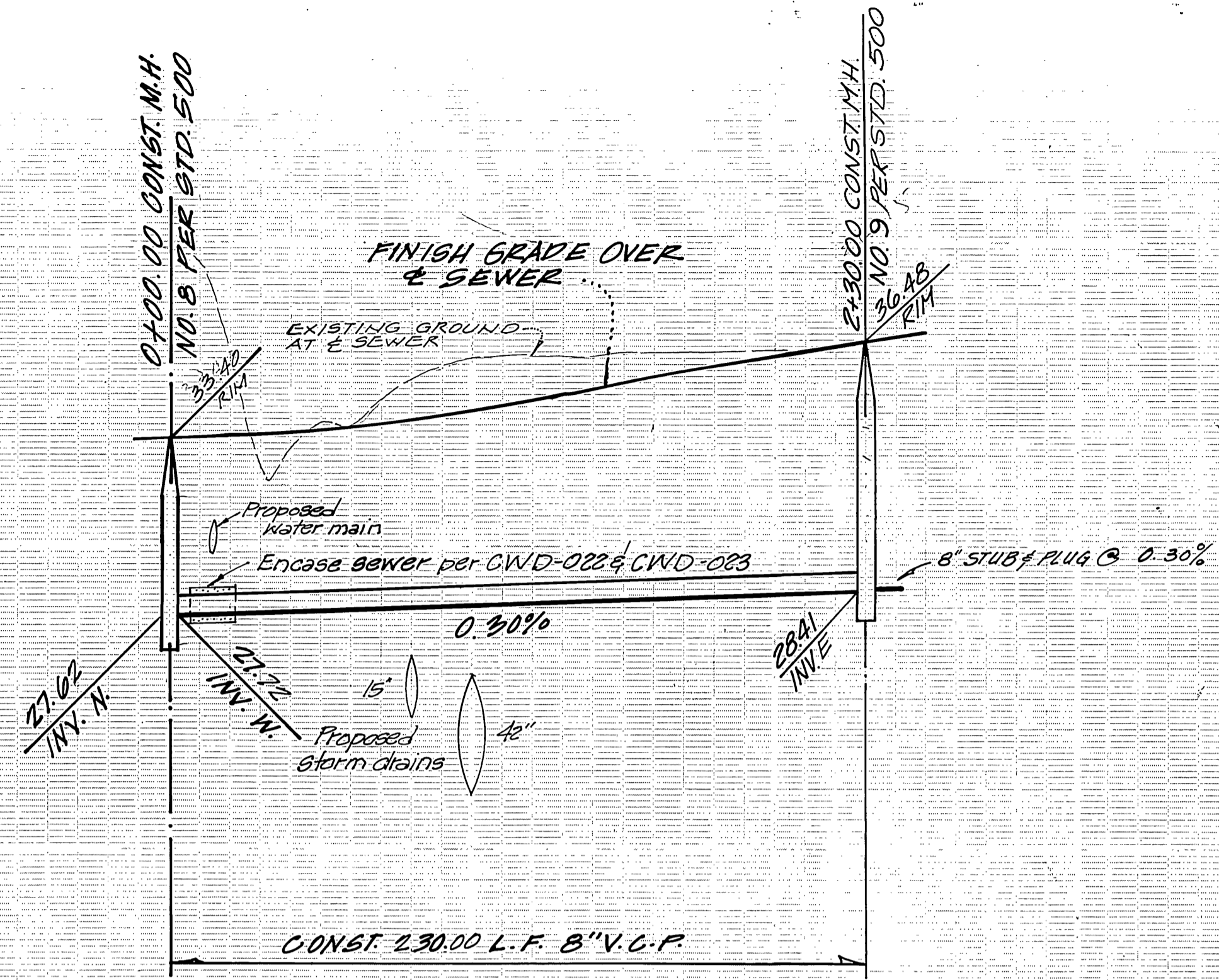
**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**  
 APPROVED BY: [Signature]  
 DATE: 12-18-85  
 APPROVED BY: William D. Gardner  
 PUBLIC WORKS DIRECTOR

INDEXED BY  
**SEWER PLANS**  
 TRACT NO. 8960-1  
**RUTLAND AVE.**  
 SHEET NO. 4 5  
 BENCHMARK: Fd. P.K. nail in NE curb return at Arlington Ave., and Rutland Ave. Elevation = 746.244 F.B. 739/58

740

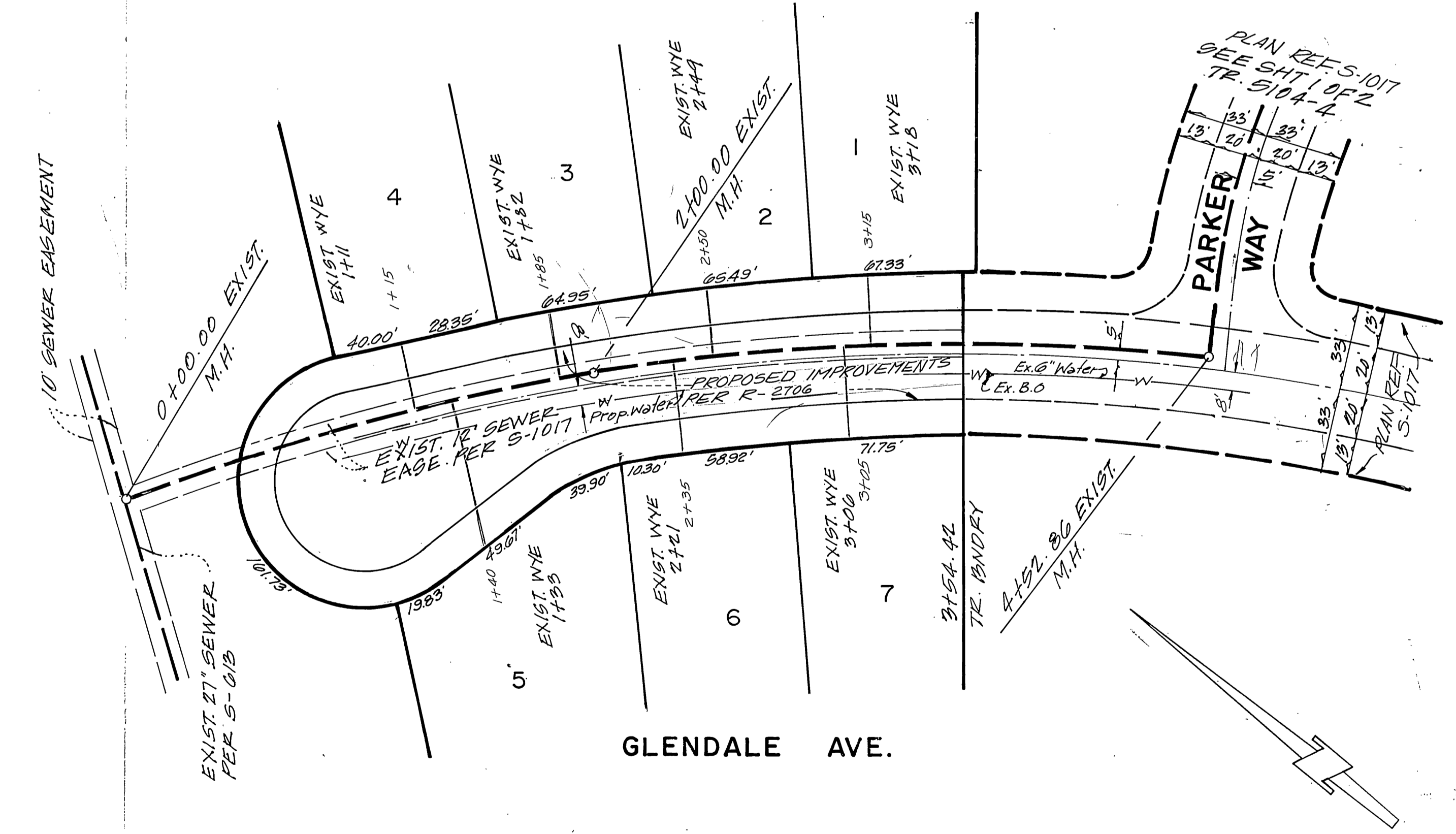
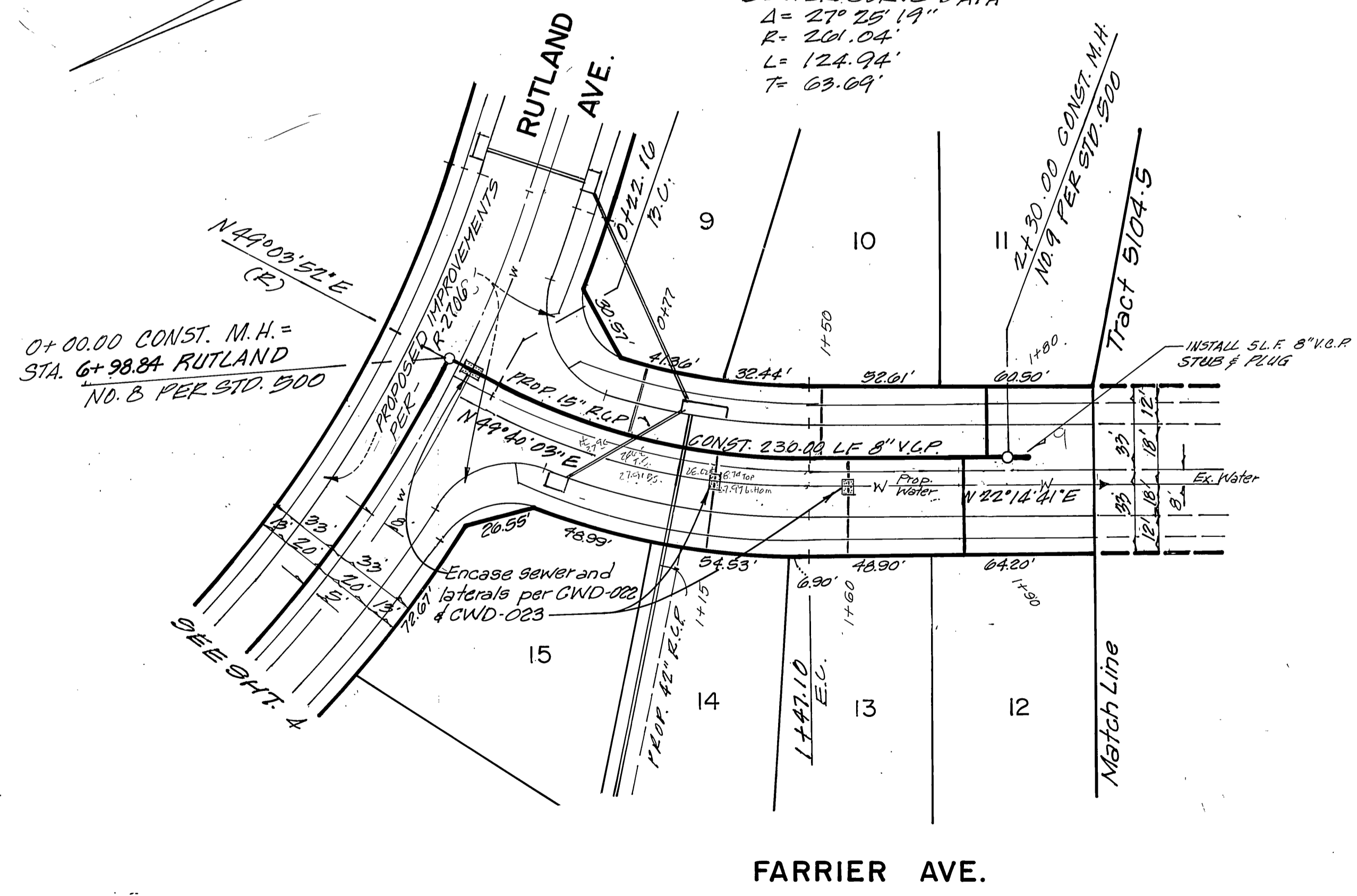
730

720



0 1 2 3

SEWER CURVE DATA  
 $\Delta = 27^{\circ} 26' 19''$   
 $R = 201.04'$   
 $L = 124.94'$   
 $T = 63.69'$



FARRIER AVE.

GLENDALE AVE.

BENCHMARK: Fd. P.K. nail in NE curb return  
 at Arlington Ave. and Rutland Ave.  
 Elevation=746.244

**Underground Service Alert**  
 Call: TOLL FREE  
 1-800-422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE WATER SYSTEM Approved Date	designed: PEB	brown & mullins, inc. engineering & surveying 2150 no. arrowhead avenue san bernardino, california PHILIP E. BROWN R.C.E. 18679	
	drawn: AD		
	checked: PEB		
	DATE: 12-18-85		

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT	
APPROVED BY: [Signature]	DATE: 12/16/85
PRINCIPAL ENGINEER: [Signature]	APPROVED BY: [Signature]
TRAFFIC DIVISION: [Signature]	PUBLIC WORKS DIRECTOR: [Signature]
DESIGNED BY: PEB	DATE: 12-18-85

INDEXED D.N.  
**SEWER PLANS**  
 TRACT NO. 8960-190  
 FARRIER AVE.  
 GLENDALE AVE.  
 5 5