

TO BE CONSTRUCTED IN  
**WORKMAN MILL ROAD**

**PRIVATE CONTRACT NO. 9637**

W.S. 37  
 2 SHEETS, 4 PAGES

4718G

SCALE: VERT. 1" = 4'  
 HORIZ. 1" = 40'  
 MARCH, 1979  
 PREPARED IN THE OFFICES OF  
 NATIONAL ENGINEERING COMPANY  
 253 N. HACIENDA BLVD., CITY OF INDUSTRY, CALIF.  
 BY: *Ed. [Signature]*  
 REG. C. E. No. 12552

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

|   |      |
|---|------|
| LEGEND                                  | 5-1  |
| MINIMUM PUBLIC SAFETY REQUIREMENTS      | 5-2  |
| BRICK MANHOLE                           | 5-3  |
| STANDARD MANHOLE STEP                   | 5-7  |
| REINFORCING FOR SEWER PIPE              | 5-8  |
| CALLING AND DIMENSION                   | 5-9  |
| WYE OR TEE SUPPORT                      | 5-30 |
| ALLOWABLE TRENCH WIDTHS                 | 5-31 |
| LOADING MANHOLE FRAME AND COVER         | 5-32 |
| NON-REINFORCED PRECAST CONCRETE MANHOLE | 5-34 |

COUNTY OF LOS ANGELES, CALIFORNIA

STEPHEN J. KOONCE, COUNTY ENGINEER WALTER E. GARRISON, CHIEF ENGINEER  
 CO. SAN. DIST. NO. 13

APPROVED: *Carol [Signature]* 5/31/79 APPROVED: *Frank [Signature]* 6/4/79

CHECKED: *Ralph David [Signature]* 5/31/79

REG. C.E. No. 16883  
 LA PUENTE BLDG. DIST. 2 J.N. 0358.11

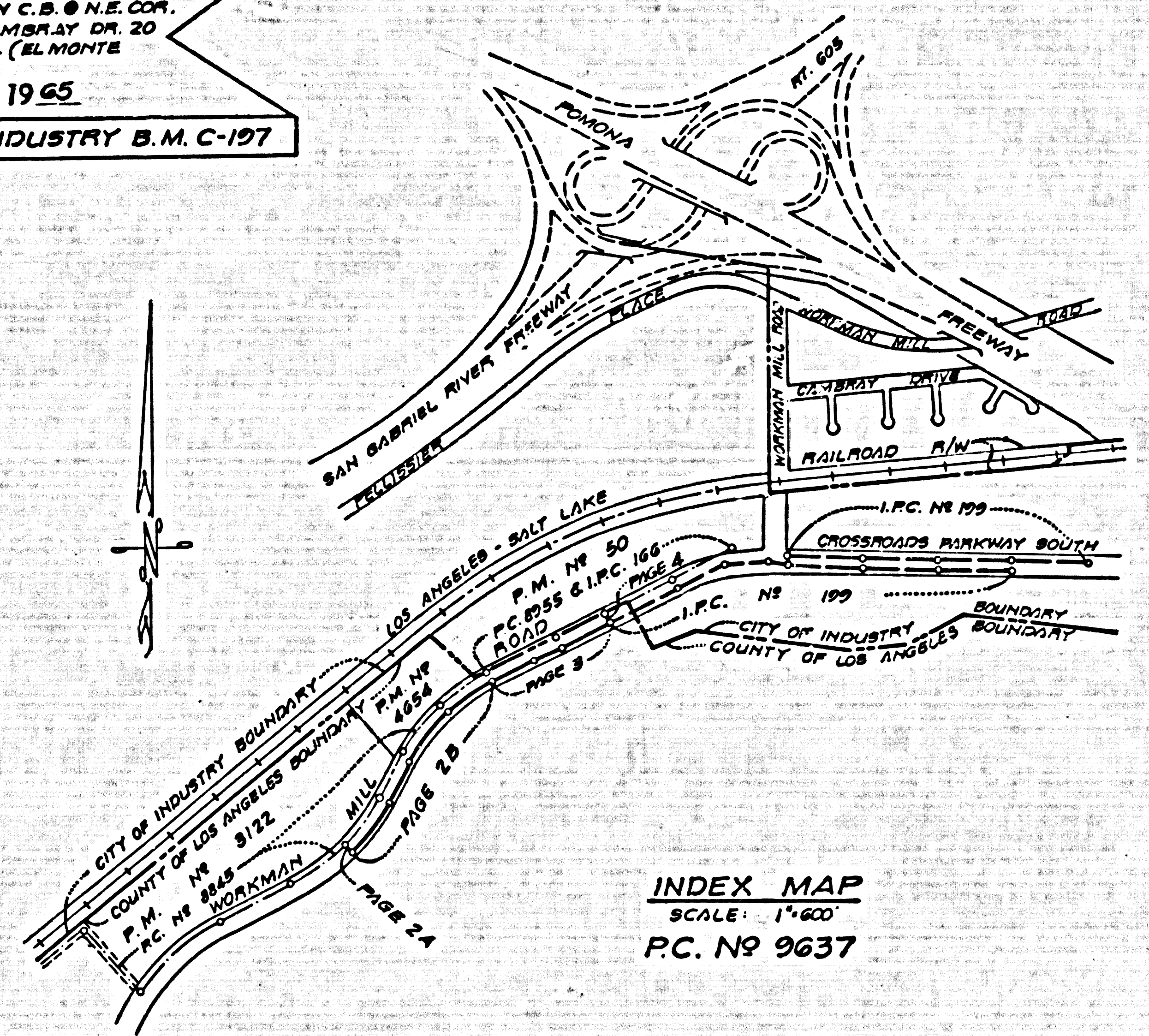
**GENERAL NOTES:**

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
- NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY STRAIGHT LINES DRAWN BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
- THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "T" OR "Y" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM GARAGES SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
- THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
- BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT., DISTRICT OFFICE NO. 4, AND PAY A FEE TO THE COUNTY ENGINEER, 550 S. VERMONT AVE., ROOM 405, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 128 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
- APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
- REFER TO SECTION 7-116.4.3 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY CURES.
- PRIOR TO THE ISSUANCE OF THE PERMIT BETWEEN CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF INSURANCE COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER, 850 SOUTH VERMONT, LOS ANGELES, CALIFORNIA 90005, FROM 405, NAMED AS THIS CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

**CONSTRUCTION NOTES:**

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1978 EDITION WITH 1978 SUPPLEMENTS AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 5/27/78 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE DIVISION BY TELEPHONE, 213-876-7288 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE & FEET BELOW CURB GRADE EXCEPT AS NOTED.
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 5-3 OR PRECAST CONCRETE MANHOLES PER 5-34, EXCEPT AS NOTED.
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINE PRODUCTIONS AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
- VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "B", "C", OR "D" PER STANDARD SPECIFICATIONS SECTION 300-2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER 5-32, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 5-32, CASE II UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
- ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", WITH GUNNING IF NECESSARY PER STANDARD SPECIFICATIONS, SECTION 300-2.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 304-1.6 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- FULL COMPLIANCE WITH SECTION 306-1.8.6 OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED, REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.

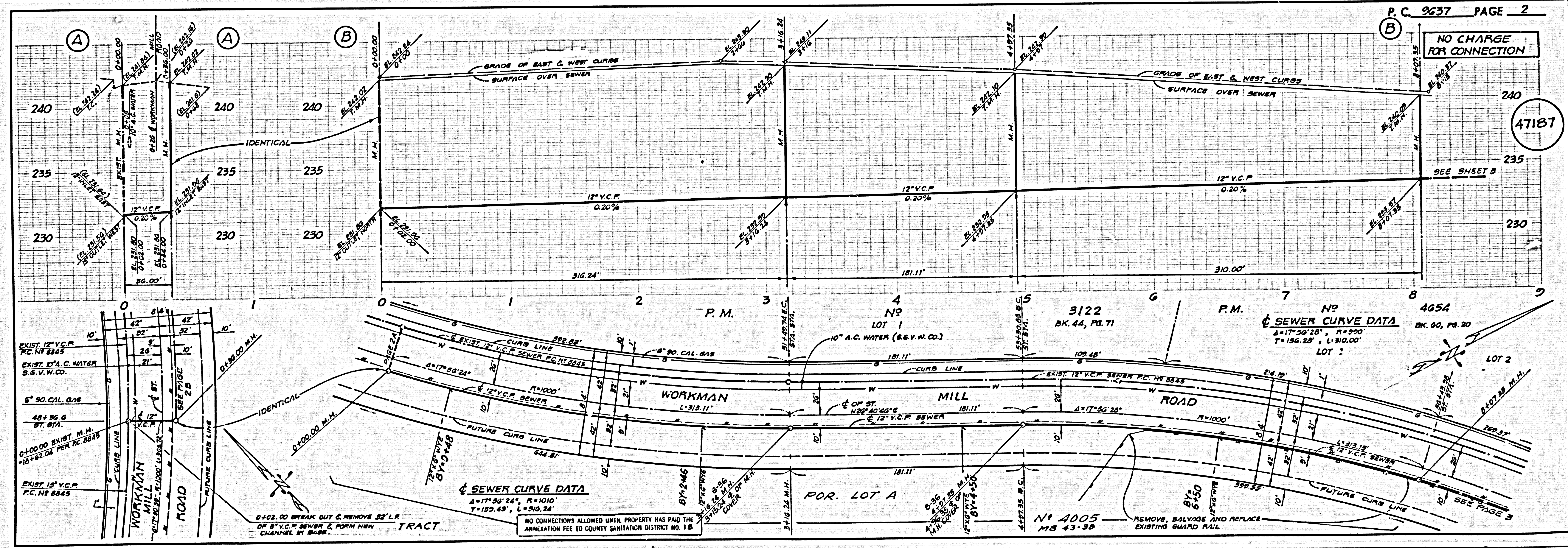
B.M. CY-6642 ELEV. 251.267  
 C.S. REF. MON. 8 IN. BELOW C.B. @ N.E. COR.  
 WORKMAN MILL ROAD & CAMBRAY DR. 20  
 FT. N. & 55 FT. E. & INT. ANKD. (BL. MOUNT)  
 J-D AUX. R.M. 3 1961.  
 WHITTIER QUAD. 1965  
 SAME AS CITY OF INDUSTRY B.M. C-197



**INDEX MAP**  
 SCALE: 1" = 600'  
 P.C. NO 9637

**REVISION #1**  
 6-27-79 Changed 36 L.R. of 12" V.C.P. to 36 L.R. of 12" C.I.P. on Page 4.  
 APPROVED: *Ralph David [Signature]* 6/27/79  
 R.C.E. No. 16553 DATE

**NO CHARGE FOR CONNECTION**

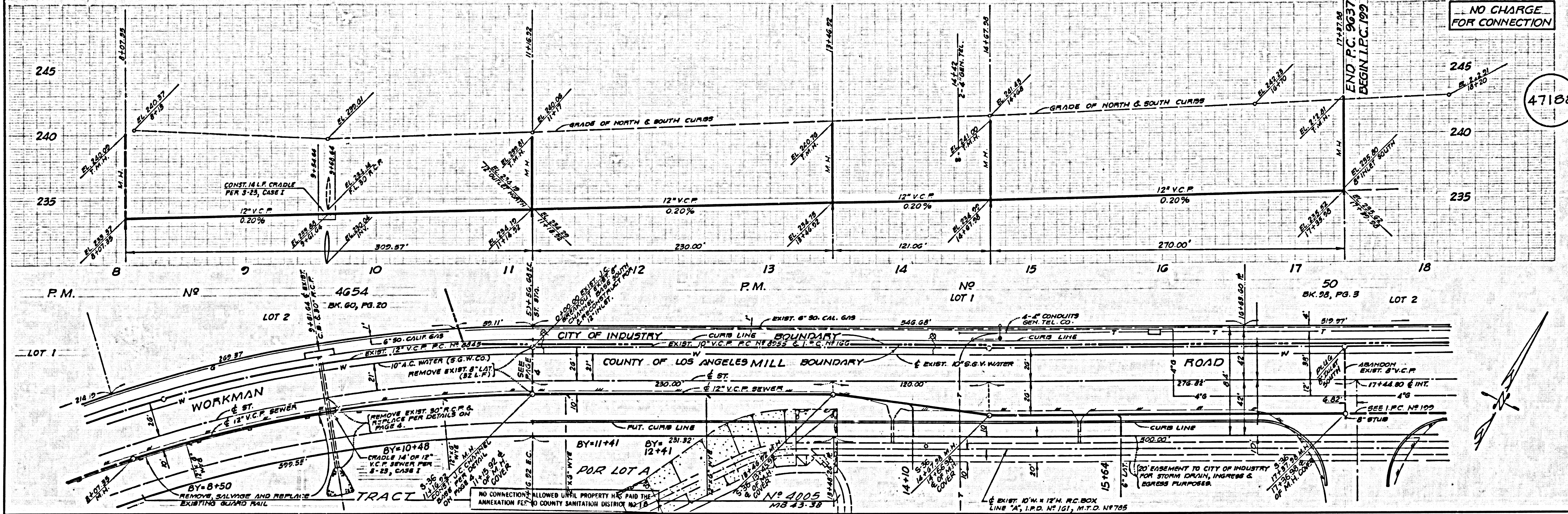


**NO CHARGE FOR CONNECTION**

47187

NO CHARGE FOR CONNECTION

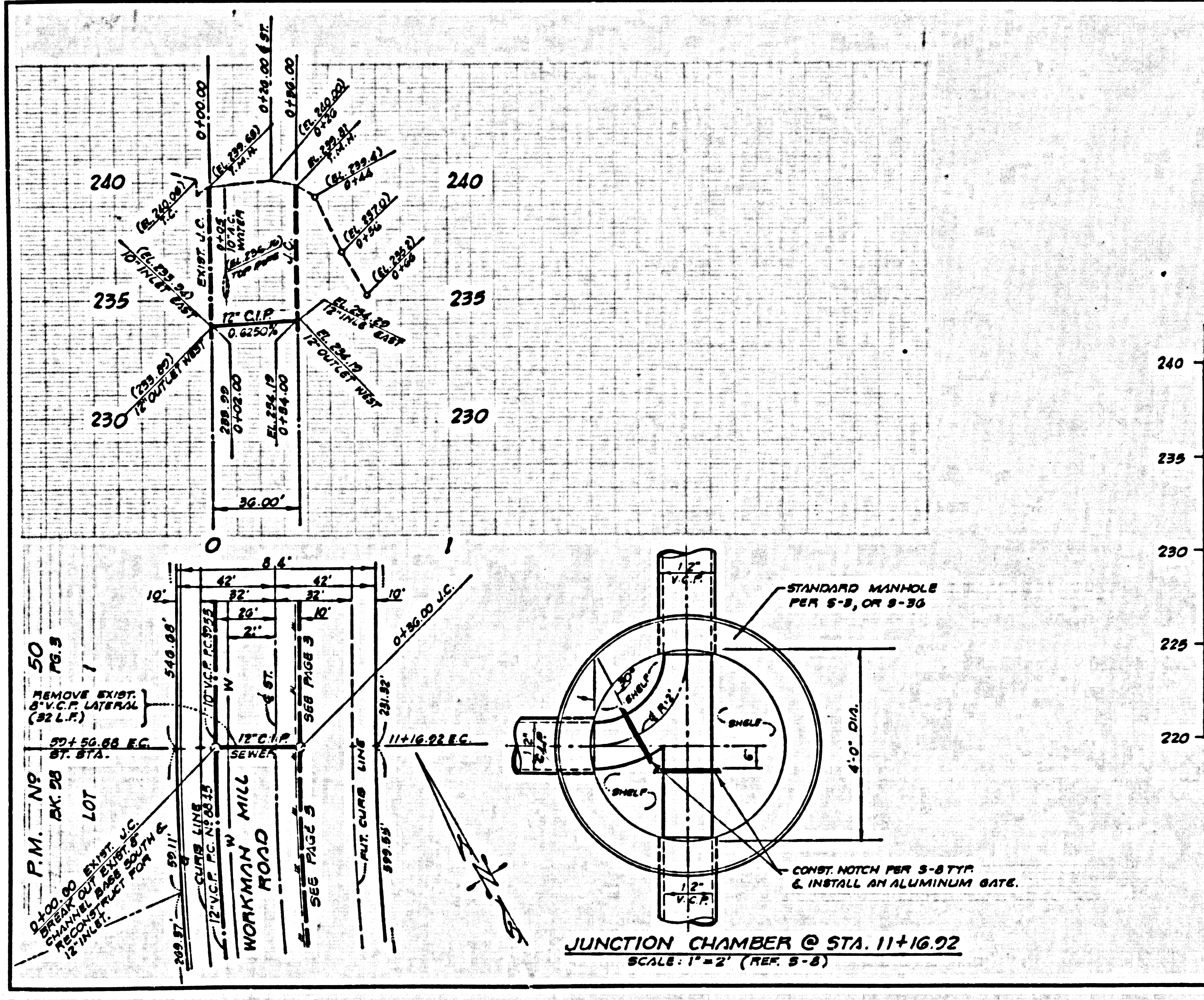
47188



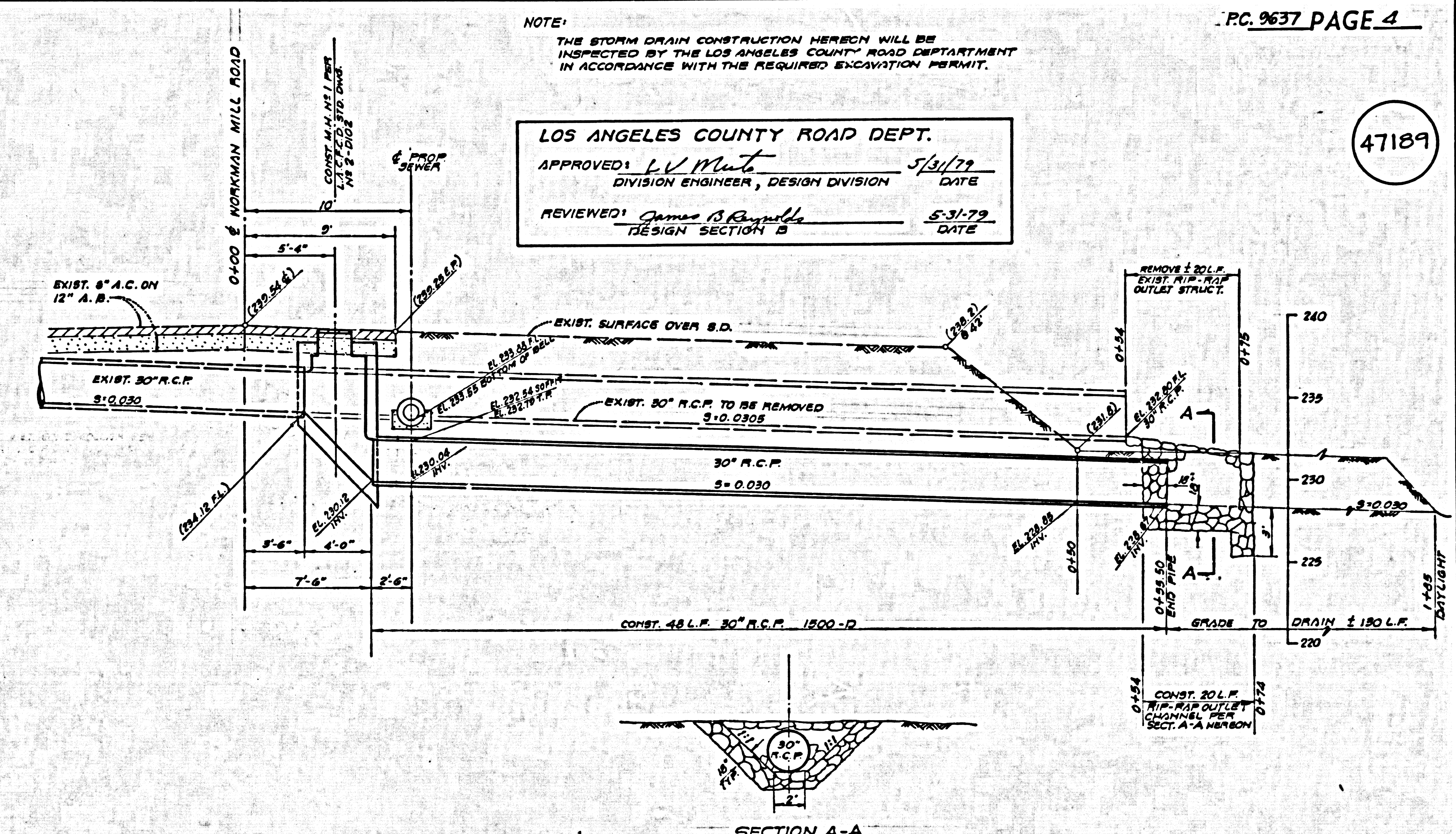
47189

NOTE:  
THE STORM DRAIN CONSTRUCTION HEREON WILL BE INSPECTED BY THE LOS ANGELES COUNTY ROAD DEPARTMENT IN ACCORDANCE WITH THE REQUIRED EXCAVATION PERMIT.

LOS ANGELES COUNTY ROAD DEPT.  
APPROVED: *L.V. Muto* 5/31/79  
DIVISION ENGINEER, DESIGN DIVISION DATE  
REVIEWED: *James B. Rayville* 5-31-79  
DESIGN SECTION B DATE



JUNCTION CHAMBER @ STA. 11+16.92  
SCALE: 1"=2' (REF. S-8)



SECTION A-A  
NO SCALE