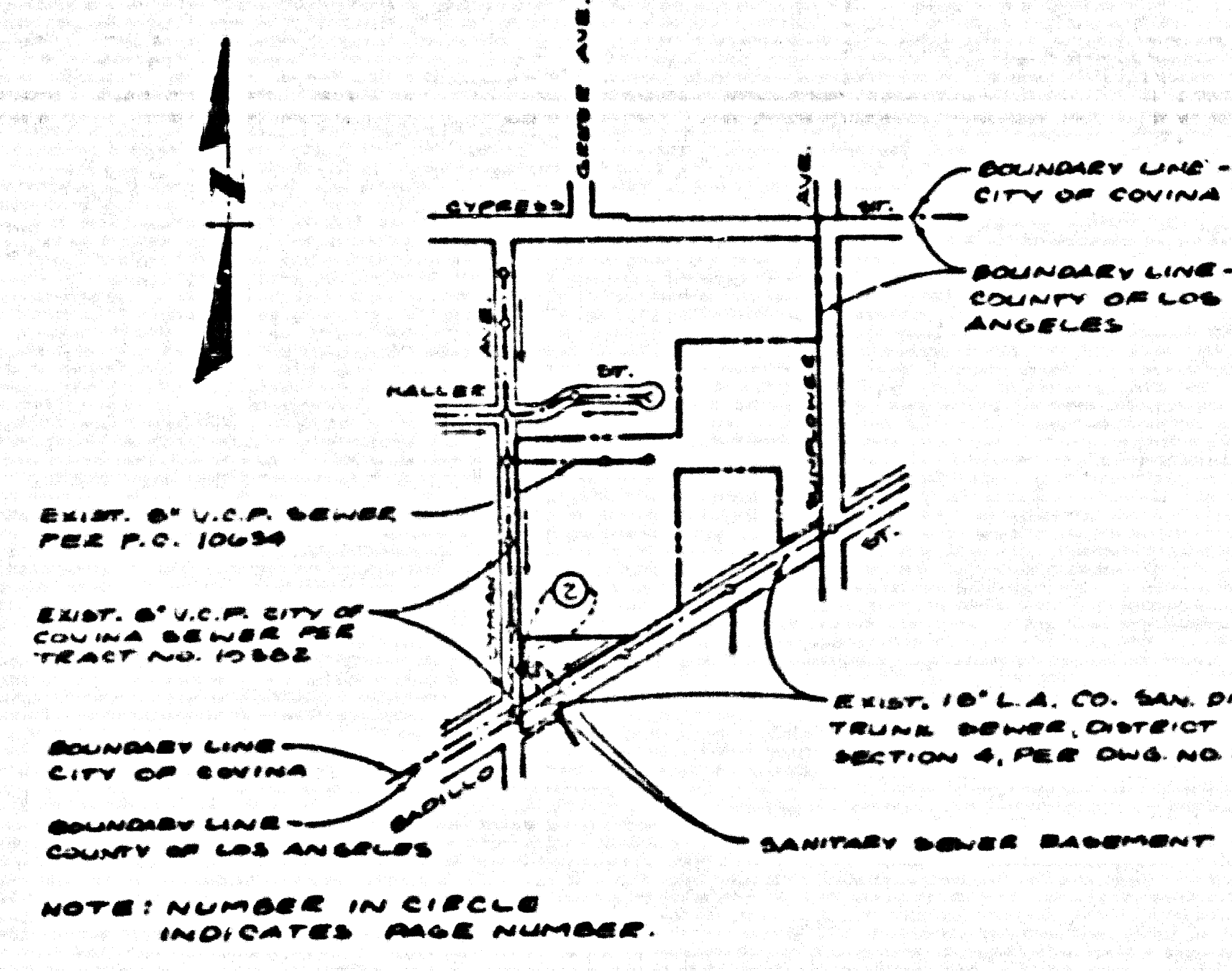


B.M. CG 1031 ELEV. 724.932  
 ROOM TAG IN N. C. 117 N. 806 S.  
 N.W. COR. SUDGROCK ST. CUTURES  
 8.0 FT. 0" FROM L. LYMAN AVE 75 FT. N.  
 8.0 FT. 0" FROM N.W. COR. 100' 0" N. 1062  
 SAN DIMAS QUAD. 19.00



INDEX MAP  
 PARCEL MAP NO. 19909  
 P.C. 11031  
 SCALE 1" = 400'  
 T. & G. CO. (C-4)

**PRIVATE ENGINEER'S NOTICE TO CONTRACTORS**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES SHOWN ON STRUCTURED PLANS OF THESE PLANS ARE OBTAINED BY A SURVEY OF THE AVAILABLE RECORDS. IN THE EVENT OF ANY DISCREPANCY THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE TO TAKE THE PRESENT ENGINEER'S DRAWINGS TO THE UTILITY LINES SHOWN AND ANY OTHER LINES HE IS INFORMED BY THE CITY OF COVINA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE OF ANY UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES OR STRUCTURES.  
 RICHARD SHOGGERS 35447  
 R.E.E. No.

**CONSTRUCTION NOTES CONT.**

- 26. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.S.S. SUPPORTIVE PIPE.
  - 27. MANHOLE WITH TOP SURFACE 18" ABOVE FINISHED GRADE FOR THE CONNECTION OF A.S.S. COMPOSITE PIPE TO MANHOLE STRUCTURE.
  - 28. A.S.S. 24" RIGID WALL PIPE MUST BE USED FOR VEE AND VEE LATERAL CONNECTIONS TO A.S.S. COMPOSITE WITH THE SAME PIPE.
  - 29. A.S.S. COMPOSITE PIPE SHALL BE SECOND IN CONFORMANCE WITH THE TABLE IN SECTION 9-A.1 OF PART IV OF THE SPECIAL PROVISIONS.
  - 30. THREE INCHES DEFLECTION COULD BE ALLOWED FOR RADIUS OF CURVATURE LESS THAN 300 FEET WHEN USING A.S.S. COMPOSITE PIPE.
  - 31. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED BY A.S.S. COMPOSITE PIPE IS USED.
  - 32. MINIMUM CURVATURE SHALL NOT BE ACCEPTED BY RADIUS OF 100 FEET OR LESS FOR A.S.S. COMPOSITE PIPE WHEN USING PLASTIC PIPE EXCEPT A.S.S. COMPOSITE PIPE.
  - 33. ALL VEE AND/OR VEE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET SPACING AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
  - 34. A.S.S. 24" RIGID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MANHOLE BENCH.
  - 35. ONLY VEE BRANCHES ARE TO BE USED FOR CONNECTION TO A.S.S. COMPOSITE MANHOLE BENCH PIPE.
- NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTION
- BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (818) 962-0605 SO THAT REQUIRED INSPECTION CAN BE MADE.

**GENERAL NOTES:**

- 1. ELEVATIONS ARE 1' FEET ABOVE U.S.C. & G.S. SEA LEVEL UNLESS OTHERWISE NOTED.
- 2. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
- 3. NO REVISIONS TO ANY OF THE DEPARTMENT OF PUBLIC WORKS' SURVEY OR LAY OUT PLAN POSITION OF THE WORK.
- 4. HANDS TO WHICH THIS APPROVAL APPLIES TO BE PRINTED AND SHOWN ON PLANS AND PROFILES SHALL BE FOR TOP OF CURBS, CENTERLINE OF THE ROAD OR CENTERLINE OF HIGHWAYS AND LOCATIONS OF ALL UTILITIES TO BE INSTALLED. THE SAME SHALL BE AS SHOWN ON THE PLANS TO THE DEPARTMENT OF PUBLIC WORKS.
- 5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH A COMPLETE SET OF DRAWINGS FOR ALL HOUSE LATERALS AND VEE OR VEE BRANCHES AND SHALL INCLUDE STAKE LOCATIONS OF ALL UTILITIES AND PLANS TO BE INSTALLED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED TO A MINIMUM OF 18" ABOVE FINISHED GRADE. THE MAIN LINE SEWER SHALL BE AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LEAS THAN 45° IN THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED TO BE NOTIFIED BY THE PRIVATE ENGINEER.
- 6. 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.
- 7. BEFORE WORK CAN BE STARTED THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. PERMIT OFFICE NO. AND PAY FEE TO THE DIRECTOR OF PUBLIC WORKS, 800 S. FINE LANE, ALHAMBRA, CALIFORNIA 91801 - 8TH FLOOR, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- 8. IF WORK IS TO BE DONE IN A STREET OR ALLEY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 100 SOUTH BRIDGE STREET, LOS ANGELES, CALIFORNIA.
- 9. APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITIES OR STRUCTURES WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PLANS.
- 10. REF. TO SECTION 7-10.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY LIGHTS.
- 11. PRIOR TO THE BEGINNING OF THE WORK THE CONTRACTOR SHALL CALL AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. PERMIT OFFICE NO. AND PAY FEE TO THE DIRECTOR OF PUBLIC WORKS, 800 S. FINE LANE, ALHAMBRA, CALIFORNIA 91801 - 8TH FLOOR, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- 12. PERMIT TO EXCAVATE IN COUNTY STREETS SHALL BE OBTAINED BY THE PRIVATE ENGINEER AND SHALL BE OBTAINED BY THE CONTRACTOR.

**CONSTRUCTION NOTES:**

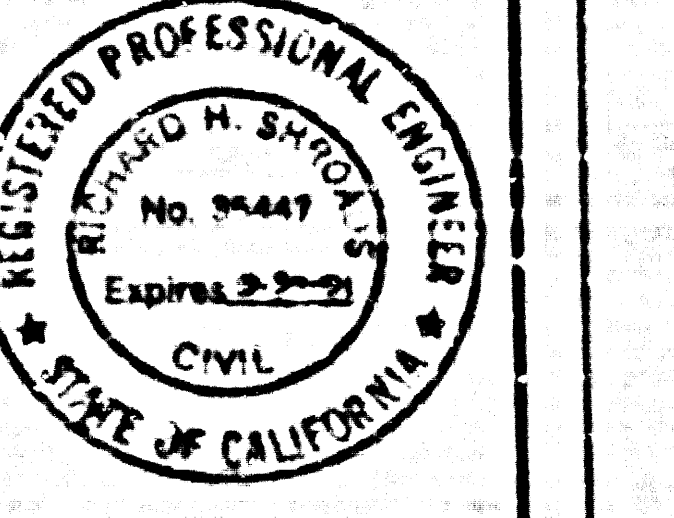
- 1. ALL WORK SHALL BE CONSTRUCTED ACCORDANT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS AND THE DEPARTMENT OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SEWERS. THE DEPARTMENT OF PUBLIC WORKS SHALL BE ADVISED OF ANY CHANGES TO THE PLANS AND SHALL BE NOTIFIED IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS.
- 2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (818) 962-3131 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- 3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 4 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- 4. VEE OR VEE BRANCHES MAY BE USED FOR CONNECTIONS TO MANHOLE SEWERS EXCEPT AS NOTED.
- 5. ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER 9-A OR PRECAST CONCRETE SEWER MANHOLES PER 9-B, EXCEPT AS NOTED.
- 6. HOUSE LATERALS ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
- 7. MANHOLE TOPS IN UNIMPROVED AREAS OR IN AREAS TO BE IMPROVED SHALL BE FINISHED GRADE.
- 8. WITHIN CURB PAVEMENT AREAS SHALL BE TYPE "B" OR "C" PER STANDARD SPECIFICATIONS SECTION 200-2.
- 9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER THE SEWER SHALL BE ENCASED PER 9-23 CASE B TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 10. 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 OF HOUSE LATERAL VEE OR VEE BRANCH WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 9-23 CASE B UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- 11. ALL JOINTS BETWEEN CAST-IRON PIPE AND WITHIN CLAY PIPE SHALL BE MADE WITH A RUBBER GASKET JOINT PIPE "C" OR "D" WITHIN BUILDINGS IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-2.
- 12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-14 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- 13. REINFORCE ALL TRENCHES WITHIN PAVED AREAS TO MEET THE COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- 14. FULL COMPLIANCE WITH SECTION 10A-1.24 OF THE STANDARD SPECIFICATIONS ARE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED AND LICENSED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE FREE OF COST TO THE DEPARTMENT OF PUBLIC WORKS.
- 15. SPECIAL BACKFILL REQUIREMENTS FOR CONSTRUCTION IN BACKFILL TRENCH AND REPLACE OTHER BACKFILL TO ACHIEVE THE NATURAL OR FINISHED GRADES AND TO BE SHOWN ON THE DRAWINGS PLAN APPROVED FOR THIS CASE BY THE LAND DEVELOPMENT DIVISION. ALL BACKFILL WITHIN PAVED AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. METHOD OF TEST ONE (7) AS REQUIRED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPARTMENT.

PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS**  
 TO BE CONSTRUCTED IN

**PARCEL MAP NO. 19909**

PRIVATE CONTRACT NO. 11031  
 INDEX U-73  
 1 SHEET OF 2 PAGES

SCALE: HORIZ. 1" = 400'  
 VERT. 1" = 10'  
 SEPTEMBER 1989  
 PREPARED IN THE OFFICES OF  
**CIVILTEC ENGINEERING, INC.**  
 135 E. LA PORTE ST., SUITE 5  
 ARCADIA, CA. 91006 (818) 446-6607



BY: *Richard M. Shoggers*  
 RICHARD SHOGGERS R.E. 35447

THE POLYCHORD LINES IN THESE STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT

LEGEND	
MINIMUM PUBLIC SAFETY REQUIREMENTS	9-1
BRICK MANHOLE	9-2
STANDARD MANHOLE STEP	9-17
BEADING FOR SEWER PIPE	9-21
CRACKING AND ENCASEMENT	9-22
VEE OR VEE SUPPORT	9-23
ALLOWABLE VEE SLOPES	9-23
LOCKING MANHOLE FRAME AND COVER	9-23
NON-RETURN TO EXISTING MANHOLE	9-23
BREAKING INTO EXISTING MANHOLE	9-23

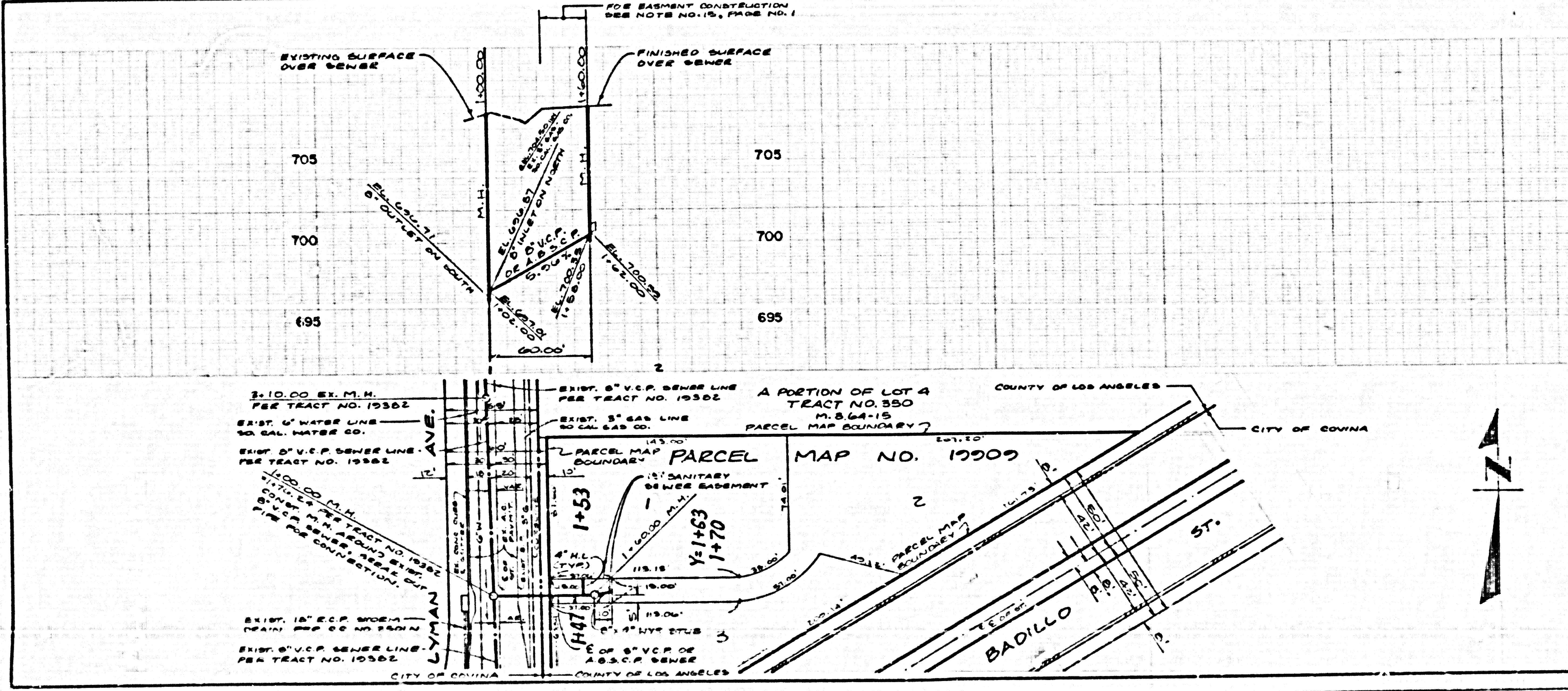
COUNTY OF LOS ANGELES, CALIFORNIA

THOMAS A. TIDEMANSON  
 DIRECTOR OF PUBLIC WORKS

CHARLES W. CARRY  
 CHIEF ENGINEER

APPROVED *[Signature]* 12/10/89  
 CHECKED *[Signature]* 12/10/89  
 NO. CC NO. 1116  
 SAN DIMAS BLDG. DIST. 19.00

CITY OF COVINA  
 APPROVED: *[Signature]* 12-10-89  
 CITY ENGINEER



REVIEWED BY: *[Signature]* P.C. 11031 PAGE 2  
 DATE: 12-16-89

NOTE: NO PORTION OF THIS SEWER SHALL BE MAINTAINED BY THE CITY OF COVINA.

PC 11031

00801 01 PAM JESPAD