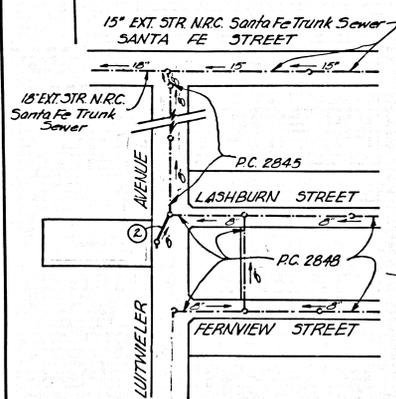


B.M. 3Y 1220 B ELEV. 197.770
 LEFT 5 Ch. 1 W. O.C.R.
 TO S.E. COR. FORMER C. SANTA FE
 P. 1 26 3. 4 2 45' 2. E. INT.
 SANTA FE QUAD. 19 60



INDEX MAP
 LUITWIELER AVE.
 P.C. 7053
 SCALE 1" = 200'

Note by the Private Engineer:
 The existence and approximate location of underground utilities or structures shown on this plan were determined by a search of the available public records. To the best of knowledge there are no existing underground utilities or structures except as shown on this plan. The contractor is required to take due precautionary measures to protect the utilities or structures shown and any other utilities or structures at the site. It shall be the contractor's responsibility to notify the owners of utilities or structures concerned before starting work.

WHITTIER BLDG. DIST. NO. 11

- NOTES:**
1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 3. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND T MANHOLES AND SHALL PROVIDE STAKES FOR THEM AT THREE FEET INTERVALS 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 CHIMNEYS 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.
 4. 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.
 5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 6. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-4747, EXT. 8181, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 7. MANHOLES SHALL BE BRICK SEWER STRUCTURES PER S-304, PRECAST CONCRETE MANHOLES PER S-473 OR S-473 MAY BE USED AS AN ALTERNATE BY LOCATIONS APPROVED BY THE COUNTY ENGINEER.
 8. USE STANDARD MANHOLE FRAMES AND COVERS, S-487, EXCEPT AS NOTED.
 9. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 10. USE EXTRA STRENGTH PIPE. ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
 11. USE CEMENT PORTLAND OR MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPECS., SECS. 56, 48 & 49.
 12. THREE FEET CIRCUMFERENCE WATER IS DISCONTINUED DURING THE CONSTRUCTION OF THE SEWER. THE V.C.P. JOINTS SHALL BE OF JOINT COMPOUND PER SPECS., SECS. 58 & 48, OR MECHANICAL COMPRESSION JOINTS PER SPECS., SEC. 54.
 13. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-473, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
 14. 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 S-473, CASE III, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 15. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE... FEET BELOW CURB GRADE EXCEPT AS NOTED.
 16. REINFORCE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 17. FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO. 1, SPECS., SEC. 54.
 18. ALL STATE AND LOCAL TRENCH SAFETY ORDERS SHALL BE RIGIDLY ENFORCED.
- 19. FROM STATION 0+21.00 TO STATION 0+52.26, CONSTRUCT SEWER BY JACKING PER SPECS. SEC. 61 OR BY TUNNELING.**
- THE TUNNEL SHALL:**
- A. BE NO LESS THAN TWO FEET HIGH AND THE ROOF SHALL BE SLOPED PER SPECS. SEC. 52.
 - B. BE SO BRACED AND SUPPORTED AS TO BE SAFE FROM CAVEING.
 - C. BE KEPT FREE OF WATER.
 - D. BE OPEN TO THE SURFACE AT EACH END PRIOR TO ANY WORK THEREIN OTHER THAN DIGGING OR SHORING.
 - E. BACKFILL PER SPECS. SEC. 52.

PROFILE ALIGNMENT AND GRADE OF **P.C. 7053**
SANITARY SEWERS PAGE 1
 CONSTRUCTED IN

LUITWIELER AVENUE
 PRIVATE CONTRACT NO. 7053

W.S. 54
 1 SHEET, 2 PAGES
 SCALE: HORIZ. 1" = 40' VERT. 1" = 4'
 JULY 1964

PREPARED BY THE OFFICES OF
KEMMERER ENGR. CO. INC.
 145 NO. FAINTER AVE. WHITTIER CALIF.
 BY Robert R. Filson
 REG. C. E. NO. 11349

FOR LEGEND SEE PLAN NO. S-64

NOTES:

GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURB, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.

ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.

THE DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.

WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS DATED MAY 22, 1958 ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.

BEFORE WORK IS STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO OCCUPY ANY COUNTY STREET FROM THE L.A. COUNTY ROAD DEPT., DISTRICT OFFICE NO. 75.2 AND PAY A FEE TO THE COUNTY ENGINEER, ROOM 300, COUNTY ENGINEERING BUILDING, 100 WEST SECOND STREET OF THE COUNTY ENGINEER'S OFFICE.

CONSTRUCTION INSPECTION AND RECORD PLANS.

THE APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THE PROJECT. THIS NOTE APPLIES TO ALL PAGES.

IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA
 JOHN A. LAMBIE, COUNTY ENGINEER
 APPROVED BY Robert R. Filson ASSISTANT SANITATION ENGINEER

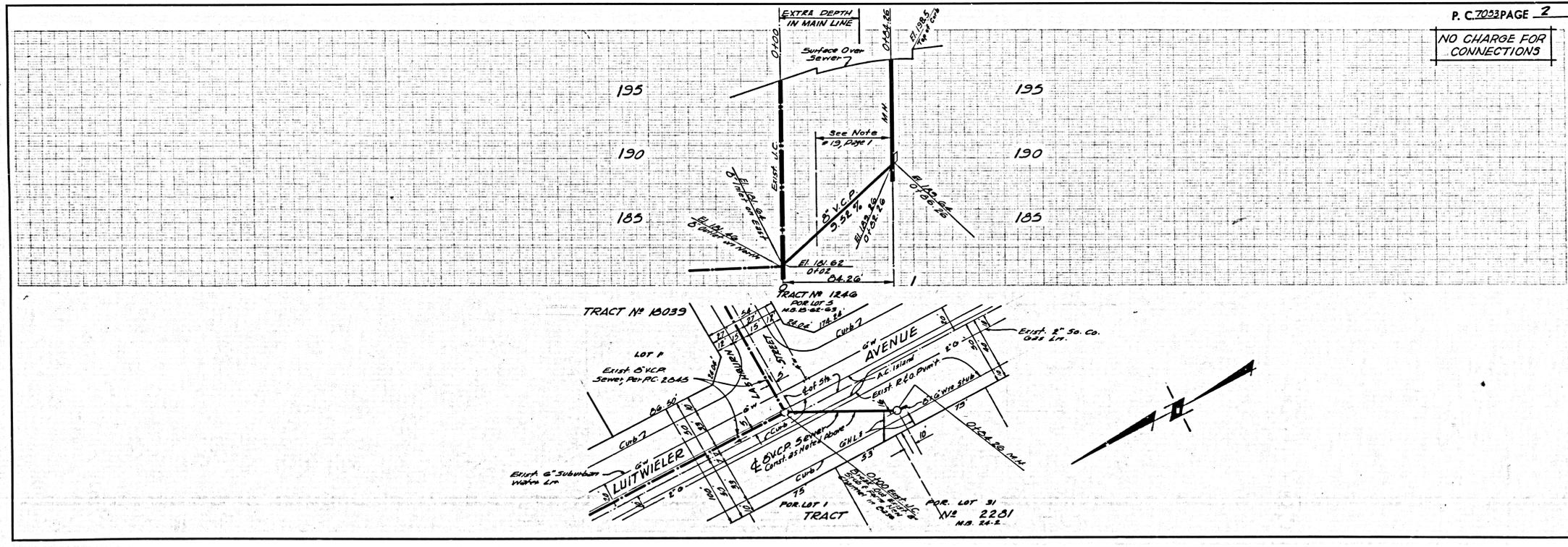
J. D. PARKHURST, CHIEF ENGINEER
 CO. SAN. DIST. NO. 11
 APPROVED BY J. D. Parkhurst OFFICE ENGINEER

COLLECT CHARGES AS INDICATED
W. M. D. Smith

NO CONNECTIONS FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS WITHOUT WRITTEN PERMISSION FROM THE CHIEF ENGINEER AND GENERAL MANAGER OF THE COUNTY SANITATION DISTRICTS.

APPROVED: Robert A. Moore
 INDUSTRIAL WASTE DIVISION

J.N. 0363 03



P. C. 7053 PAGE 2
 NO CHARGE FOR CONNECTIONS

5100