

**INDEX MAP**  
TRACT No. 29389  
P.C. 7006  
SCALE: 1" = 400'

Approved: *Robert R. F. Lopez*  
Industrial Waste Division

**NOTE:**  
The existence and approximate location of underground utilities or structures shown on these plans were determined by a search of the available public records. To the best of our knowledge there are no existing underground utilities or structures except as shown on this map.  
The contractor is required to make due precautionary measures to protect the utilities or structures shown and any other utilities or structures at the site. It shall be the responsibility of the contractor to notify the owners of the utilities or structures concerned before starting work.

**REVISION #2**  
Re-worked entire Sewer system to accommodate new sewer outlet. Added 10' Easement between lots 5 & 6. App. 11-25-64. (Office of Co. Engineer)

Rev #2 APPROVED: *W. M. Linn* 11-25-64 Deputy CITY ENGINEER, CITY OF LONG BEACH

**REVISION**  
Added Page 2-C. To serve Property Bounding North West of Tract Boundary. Approved: *W. M. Linn* 9-21-64 Office of Co. Engineer

**REVISION #3**  
Remove M.H. At Sta. 145+00. Page 2-B and replace 6" x 6" Manhole with 6" x 6" House Lateral. Approved: *W. M. Linn* 1-26-65 Office of Co. Engineer

APPROVED: *W. M. Linn* AUGUST 11, 1964 CITY ENGINEER, CITY OF LONG BEACH

**NOTE TO CONTRACTOR**  
Before work can be started the Contractor must obtain a Sewer Permit from the City of Long Beach & Pay Sewer Outfall Charges of \$964.67.

ISSUE NO CONNECTION PERMITS UNTIL EASMT. IN LOTS 5 & 6, & IN TR. # 30045 ARE ACCEPTED.

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.

**LAKEWOOD BLDG. DIST. NO. 4.3**

- NOTES:**
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
  - NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
  - THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 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 CHANGE IN ALIGNMENT. 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.
  - 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.
  - NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
  - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-4747, EXT. 8158, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
  - MANHOLES SHALL BE BRICK SEWER STRUCTURES PER S-1-154. PRECAST CONCRETE MANHOLES PER S-1-153 OR S-1-173 MAY BE USED AS AN ALTERNATE IN LOCATIONS APPROVED BY THE COUNTY ENGINEER.
  - USE STANDARD MANHOLE FRAMES AND COVERS, S-1-177, EXCEPT AS NOTED.
  - MANHOLE TOPS ON UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
  - USE STEEL STRENGTH PIPE, ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
  - USE RESUME AND/OR MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPECS., SECT. 34, & 44-49.
  - WHERE EVER GROUND WATER IS ENCOUNTERED DURING THE CONSTRUCTION OF THE SEWER, THE V.C.P. JOINTS SHALL BE OF JOINT COMPOUND PER SPECS., SECS. 33 & 44, OR MECHANICAL COMPRESSION JOINTS PER SPECS., SEC. 34.
  - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-1-172, 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 S-1-172, CASE III, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
  - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE ... PUT BELOW CURB GRADE EXCEPT AS NOTED.
  - RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
  - FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO. 2, SPECS., SEC. 34.
  - ALL STATE AND LOCAL TRENCH SAFETY ORDERS WILL BE RIGIDLY ENFORCED.
  - CONSTRUCTION IN FILLED AREAS:
    - An acceptable certification of compaction test results shall be submitted to the Construction Division. Compaction tests are to be made in accordance with A-2.1 Method of Test, D-695-42-7.
    - No construction is permitted in filled areas where the relative density of compaction is less than 80%.
    - If the relative density of compaction is less than 80%, all main line and house laterals shall be encased per S-1-172, CASE III, special manhole house per S-1-173, and approved.
    - If the relative density of compaction is 20% or greater, the special provisions in (c) are not required.

**COLLECT CHARGES AS INDICATED**  
*W. M. Linn*

**CITY OF LONG BEACH**  
APPROVED: *W. M. Linn*  
Deputy CITY ENGINEER

PROFILE ALIGNMENT AND GRADE OF  
**SANITARY SEWERS PAGE 1**

TRACT No. 29389

PRIVATE CONTRACT NO. 7006

W.S. 32  
2 SHEETS, 3 PAGES

SCALE: HORIZ. 1" = 40' VERT. 1" = 4'  
JANUARY, 1964

PREPARED IN THE OFFICES OF  
**KEMMERER ENG. CO. INC.**  
145, N. PAINTER AVE., WHITTIER, CALIF.  
By: *Robert R. F. Lopez*  
REG. C. E. NO. 11349

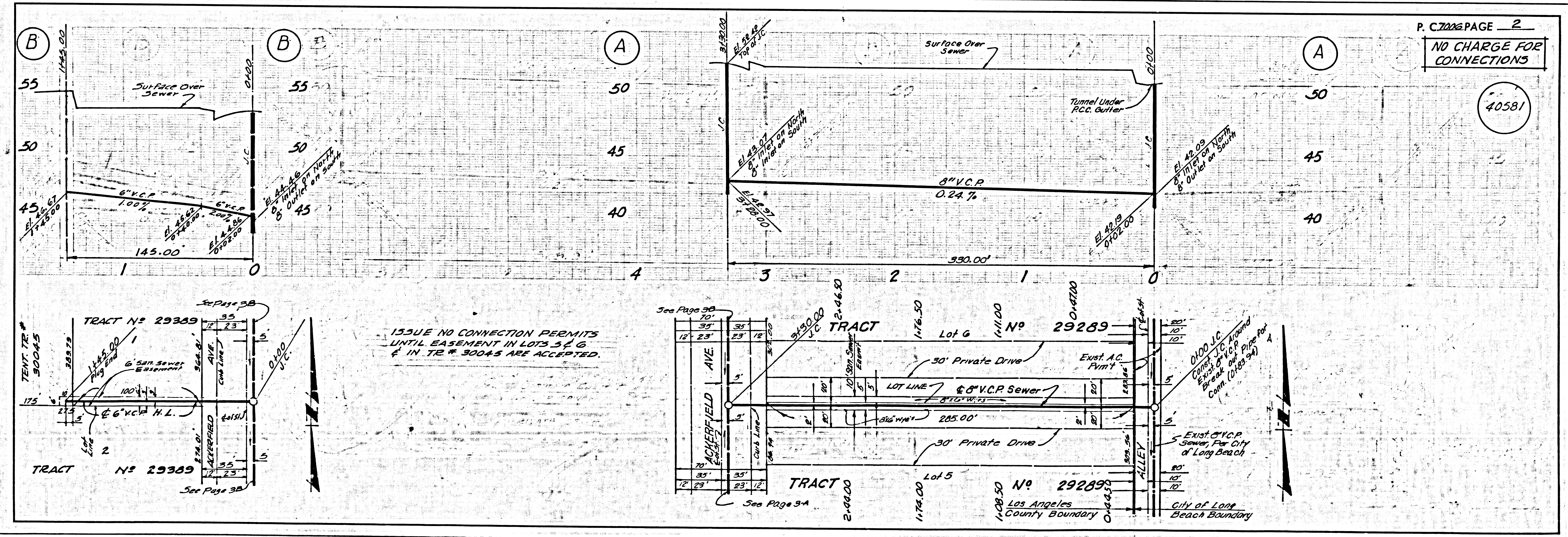
FOR LEGEND SEE PLAN NO. S-64

**NOTE:**  
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 CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.  
THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.  
WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS DATED MAY 22, 1952 ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.  
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, ROOM 200, COUNTY ENGINEERING BUILDING, CONSTRUCTION DIVISION, 145 N. PAINTER AVE., WHITTIER, CALIF. SUFFICIENT TO COVER THE COST OF 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 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, 720 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

**COUNTY OF LOS ANGELES, CALIFORNIA**  
JOHN A. LAMBIE, COUNTY ENGINEER  
APPROVED BY: *Robert R. F. Lopez* ASSISTANT SANITATION ENGINEER  
APPROVED BY: *J. D. Parkhurst* CHIEF ENGINEER  
CO. SAN. DIST. NO. 43

SUBMITTED BY: *W. M. Linn* 6-15-64  
LOS ANGELES REGIONAL ENGINEER R.C.E. 3031  
CHECKED BY: *W. M. Linn*  
REG. C.E. NO. 138715

J. N. 0363.23



ISSUE NO CONNECTION PERMITS UNTIL EASEMENT IN LOTS 5 & 6 & IN TR. # 30045 ARE ACCEPTED.

**NO CHARGE FOR CONNECTIONS**

40581



