



19. Special Excavation in designated areas:  
 (a) Excavation for trench & manhole other earth removed to 20% to 30% above top of trench or manhole. Excavation shall be compacted to 95% of maximum dry density.  
 (b) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (c) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (d) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (e) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (f) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (g) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (h) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (i) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (j) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (k) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
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 (p) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (q) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
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 (s) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (t) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (u) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (v) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (w) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (x) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (y) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.  
 (z) Excavation for trench & manhole shall be compacted to 95% of maximum dry density.

### NEWHALL BLDG. DIST. NO. 82

- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE & 4 FEET BELOW CURB EXCEPT AS NOTED.
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINE PRODUCES AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- NO IMPROVEMENTS 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 "T" OR "Y" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THESE 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 CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED BY WRITING BY THE PRIVATE ENGINEER.
- THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL SHEET 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, MAILBOX 9-229, BY 5:30 P.M., AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- ALL STRUCTURES SHALL BE BUILT TO MEET THE STANDARD SPECIFICATIONS SECTION 2-36 EXCEPT AS NOTED.
- "T" OR "Y" BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 6 INCHES ABOVE FINISHED GRADE.
- USE EXTRA STRENGTH PIPE ALL PIPE IS STANDARD SPECIFICATIONS EXCEPT AS NOTED.
- VERTICAL CLAY PIPE JOINTS SHALL BE TYPE "B", "C", OR "D" PER STANDARD SPECIFICATIONS SECTION 2-35.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-28, 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 REINFORCED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-28, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
- REINFORCE ALL TRENCHES WITHIN TRACT AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 2-36.2.2.7 OF THE STANDARD SPECIFICATIONS.
- REFER TO SECTION 2-36.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY BARBERS.
- ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER GASKET JOINT, TYPE "C" OR "D", FIFTEEN BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS, SECTION 2-35.

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

SEWER	2-35
SEWER	2-36
SEWER	2-37
SEWER	2-38
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SEWER	2-97
SEWER	2-98
SEWER	2-99
SEWER	3-00

PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS** P.C. 8497  
 PAGE 1

CONSTRUCTED BY  
**TRACT NO 29663**  
 AND  
**TRACT NO 29321**  
**PRIVATE CONTRACT NO. 8497**  
 INDEX 246-117  
 W.S. 63

4 SHEETS; 8 PAGES  
 SCALE: VERT. 1"=4'  
 HORIZ. 1"=40'  
 APRIL, 1971

PREPARED IN THE OFFICES OF  
**CROWN ENGINEERING & SURVEYING CORP.**  
 18455 BURBANK BLVD. TARZANA, CALIF.  
 BY: *[Signature]*  
 MORTON D. SCHWARTZ REG. C. E. NO. 8729

NOTE:  
 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. MEAN SEA LEVEL DATUM OF 1929. (SEE STANDARD AND COUNTY ENGINEER'S WORK SHALL BE CONSTRUCTION ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. A SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED JANUARY 1, 1970, 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. 18455 BURBANK BLVD. TARZANA, CALIF. (SEE STANDARD AND COUNTY ENGINEER'S WORK SHALL BE CONSTRUCTION ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. A SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED JANUARY 1, 1970, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.  
 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 BRIDGE 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. THE 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 BRIDGE STREET, LOS ANGELES, CALIFORNIA.  
**COUNTY OF LOS ANGELES, CALIFORNIA**  
**MARTIN T. BRADY, COUNTY ENGINEER** J. D. PARKHURST, CHIEF ENGINEER  
 APPROVED BY: *[Signature]* 4-8-71 APPROVED BY: *[Signature]* OFFICE ENGINEER  
 CHECKED BY: *[Signature]* 4-7-71  
 REG. C. E. NO. 18390  
 J.N. 0250.02

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.

COLLECT CHARGES AS INDICATED







