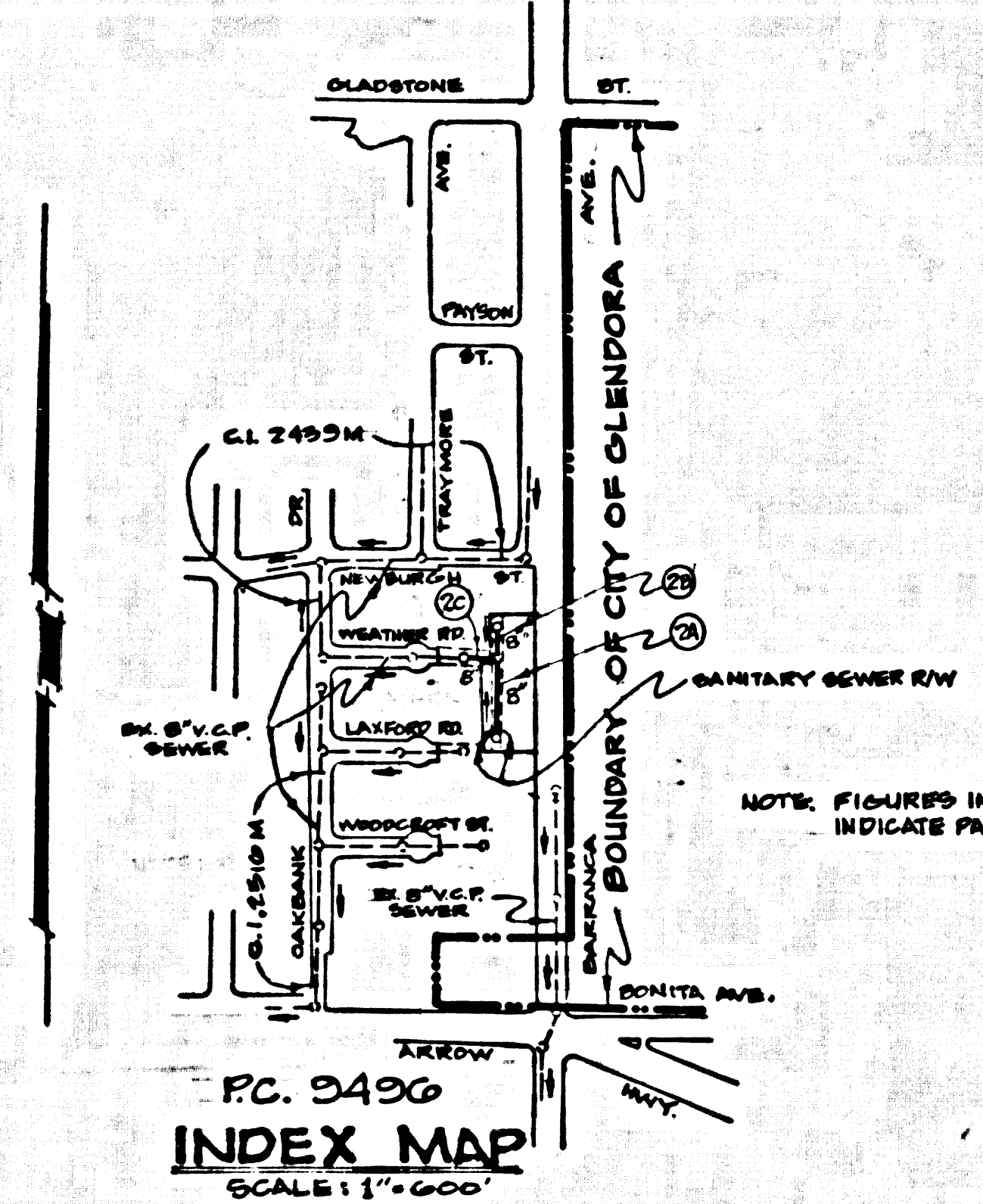


B.M. C.G. 3437 ELEV. 612.195  
 L+T 1 FT 5 IN. BCR 72 FT N+30 FT  
 W C/L INT ARROW HWY + BARRANCA  
 AVE.  
**SAN DIMAS QUAD. 1975**

21. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT BY THE COUNTY ENGINEER, THE CONTRACTOR SHALL OBTAIN A PERMIT TO EXCAVATE FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY.

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 MANHOLES	5-3
STANDARD MANHOLE STEPS	5-7
BEDDING FOR SEWER PIPE	5-21
DRAINING AND ENCASUREMENT	5-23
WYS OR TEE SUPPORT	5-25
ALLOWABLE TRENCH WIDTHS	5-25
LOCKING MANHOLE FRAMES AND COVERS	5-26
NON-REINFORCED PRECAST CONCRETE MANHOLES	5-30



NOTE: FIGURES IN CIRCLES INDICATE PAGE NUMBERS.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN IN THESE DRAWINGS UNLESS A PERMIT FOR INDUSTRIAL WASTE WATER 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 638-1151, SO THAT REQUIRED INSPECTION CAN BE MADE.

# SAN DIMAS BLDG. DIST. NO. 10

- 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 "T" 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 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 SUPERVISOR OF THE DISTRICT OF INDUSTRIAL SAFETY, P.M. (12/3) 974-7253 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
  - MANHOLES SHALL BE BRICK SEWER STRUCTURES PER 5-3 OF PRECAST CONCRETE MANHOLES PER 5-30.
  - WYS OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MANHOLE SEWERS EXCEPT AS NOTED.
  - MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
  - VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "F", "T", OR "D" PER STANDARD SPECIFICATIONS SECTION 208-2.
  - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 206-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL SAFETY DIVISION.
  - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER 5-23, CLASS 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 5-23, CLASS II, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
  - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 4 FEET 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.
  - ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SURVEY JOINT, TYPE "C" OR "D" WITH BEARING (IF NECESSARY) PER STANDARD SPECIFICATIONS SECTION 208-2.
  - FULL COMPLIANCE WITH SECTION 206-1.4.3 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.
  - SPECIAL BACKFILL IN DESIGNATED AREAS:
    - BACKFILL TRENCH AND REPLACE OTHER BIRTH REMOVED SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE CHANGING PLAN APPROVED FOR THIS TRACT BY THE SANITATION DISTRICTS.
    - ALL BACKFILL AND BIRTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER ASTM STANDARD METHOD OF TESTING D 698-67T AS MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE SANITATION DISTRICT DEVELOPMENT DIVISION.
  - REFER TO SECTION 7-10.4.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY BARRIERS.

### NOTICE TO CONTRACTOR

The existence and location of any underground utility pipes or structures shown on these plans are obtained by a search of the available records. To the best of my knowledge there are no existing utilities except as shown on these plans. The contractor is required to take due precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans.

COLLECT CHARGES AS INDICATED

PROFILE ALIGNMENT AND GRADE OF **P.C. 9496**  
**SANITARY SEWERS** PAGE 1

CONSTRUCTED IN  
**TRACT NO. 33923**

## PRIVATE CONTRACT NO. 9496

W.S. 47-03  
 SHEETS: 2 PAGES  
 SCALE: VERT. 1" = 4' HORIZ. 1" = 40'  
 NOVEMBER, 1977  
**46,333**

PREPARED IN THE OFFICES OF  
**THOMSEN ENGINEERING, INC.**  
 16145 E. WHITTIER BLVD., WHITTIER, CALIFORNIA  
 (213) 961-0838  
 BY: *Harold C. Thomsen*  
 HAROLD C. THOMSEN REG. C. E. NO. 6244

FOR LEGEND SEE PLAN NO. S-1

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 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.  
 WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1976 EDITION) AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPTEMBER 21, 1976 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 OFF. # NO. 1, AND PAY A FEE TO THE COUNTY ENGINEER, 201 E. BONITA AVENUE, REGIONAL OFFICE, SUFFICIENT TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.  
 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 SACS.  
 IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 126 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA  
 STEPHEN J. KOONCE, COUNTY ENGINEER  
 J. D. PARKHURST, CHIEF ENGINEER  
 CO. ENG. DIST. NO. 22  
 APPROVED BY: *Harold C. Thomsen* 4/2/78  
 OFFICE ENGINEER

APPROVED BY: *B.F. Morling*  
 SAN DIMAS REGIONAL ENGINEER  
 CHECKED BY: *Thomas C. Johnson*  
 REG. C.E. NO. 14156  
 4/18/78

J.N. 0250.02

