

# SANITARY SEWERS

TO BE CONSTRUCTED IN

## TRACT No 32546 PRIVATE CONTRACT NO. 10235

W.S. 48-54  
1 SHEET, 2 PAGES

50701

SCALE: VERT. 1"=4'  
HORIZ. 1"=40'  
FEB., 1984  
PREPARED IN THE OFFICES OF  
WESTCO ENGINEERING & SURVEYING  
HOYTHORNE CALIF. TEL. (913) 978-3499  
BY: *John M. Smith*  
REG. C.E. No. 24027

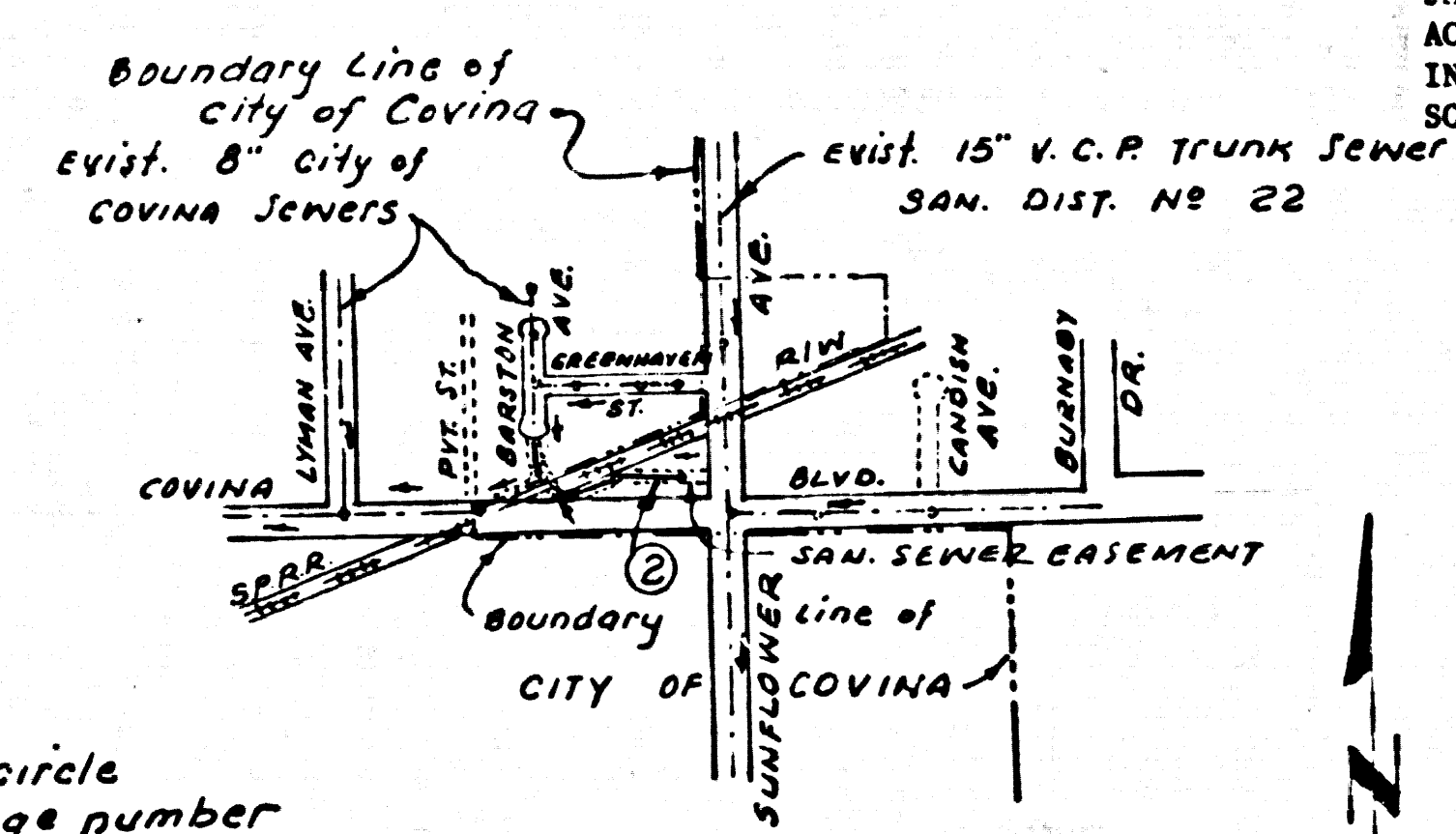
B.M. C.S. 4558 ELEV. 730.573  
R.D.B.M. TAG 1 FT. E/O BCR 32 FT.  
N/O & CYPRESS AVE. & 66 FT. E/O  
E SUNFLOWER AVE.  
SAN DIMAS QUAD. 1920

### CONSTRUCTION NOTES CONT'D.

- FULL COMPLIANCE WITH PART II OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF 8" V.C.P. SEWERS.
- MINIMUM WATER STOP DRIBBLE AND CLAMP ARE REQUIRED FOR THE CONNECTION OF 8" V.C.P. PIPES TO MANHOLE STRUCTURES.
- 8" V.C.P. SHALL BE USED FOR RISE AND UNDER LATERAL CONNECTIONS TO 8" V.C.P. MAIN LINE SEWERS.
- 8" V.C.P. SHALL BE BEDDED IN COMPLIANCE WITH THE TABLE IN SECTION 8-31 OF PART II OF THE SPECIAL PROVISIONS.
- 5" DEGREE DEFLECTION COMPLESS SHALL BE USED TO ACCOMPLISH RADII OF CURVATURE LESS THAN 300'.

NO CONNECTION FOR THE 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 - 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.



INDEX MAP  
TRACT No 32546 P.C. 10235  
SCALE: 1" = 600'

REVISION No 1 DATE: DEC. 1984  
LOWERED SURFACE OVER SEWER  
BETWEEN STATION 2+20.00 TO  
STATION 5+50.52.  
APPROVED: *[Signature]*  
OFFICE OF COUNTY ENGINEER  
U.C. 16191

### GENERAL NOTES:

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1988.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
- NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- 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.
- THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERAL AND "Y" OR "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 LATERAL 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 "Y" OR "T" BRANCH ON THE GRADE SHEET.
- 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. \_\_\_\_\_ AND PAY A FEE TO THE COUNTY ENGINEER, 860 S. VERNAMOUNT AVENUE, LOS ANGELES, CA 90024 TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- 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.
- 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 PAGES.
- REFER TO SECTION 7.04.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
- PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER, 860 SOUTH VERNAMOUNT, RM. 408, LOS ANGELES, CALIFORNIA 90024, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY. THE CONTRACTOR TO OBTAIN EXCAVATION PERMIT FROM CITY OF COVINA.

### CONSTRUCTION NOTES:

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1982 EDITION WITH 82 SUPPLEMENTS) AND COUNTY ENGINEER'S SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWER, DATED 12-21-1978, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE ENVIRONMENTAL DEVELOPMENT DIVISION BY TELEPHONE, 728-2186, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- PIPE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- PIPE BRANCHES MUST BE USED FOR CONNECTIONS TO 8" V.C.P. MAIN LINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 8-30 OR PRECAST CONCRETE MANHOLES PER 8-36, EXCEPT AS NOTED.
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
- WITHEDED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 308-2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER 8-26 CASE B 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 SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 8-36 CASE B UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITHEDED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS, SECTION 308.3.
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITHEDED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS, SECTION 308.3.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- REINFORCE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- FULL COMPLIANCE WITH SECTION 308-1.5 OF THE SPECIAL PROVISIONS WHICH IS 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 EASEMENT CONSTRUCTION: (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION. (B) ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST D1557 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE ENVIRONMENTAL DEVELOPMENT DIVISION.

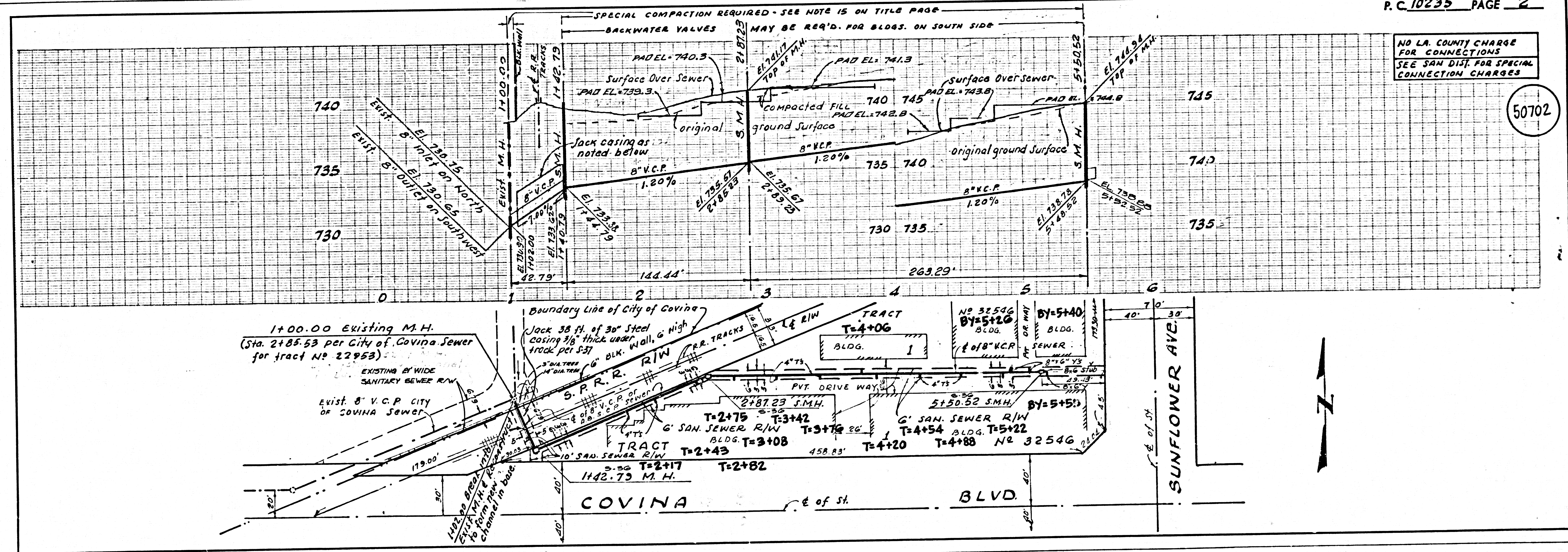
THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

MINIMUM PUBLIC SAFETY REQUIREMENTS	8-3
BRICK MANHOLE	8-30
STANDARD MANHOLE STEP	8-37
BEDDING FOR SEWER PIPE	8-38
CALLING AND DISCUMENT	8-39
WYE OR TEE SUPPORT	8-36
ALLOWABLE TRENCH WIDTHS	8-38
LOCKING MANHOLE FRAME AND COVER	8-38
NON-BRONZES PRECAST CONCRETE MANHOLE	8-36
CAST IRON PIPE	8-37
BEARING INTO EXIST. BRICK OR PRECAST CONC. M.H.	8-39
BEDDING REQUIREMENTS FOR PLASTIC PIPE	8-31A
SHALLOW MANHOLES	8-37

COUNTY OF LOS ANGELES, CALIFORNIA  
 STEPHEN J. KOONCE, COUNTY ENGINEER  
 APPROVED: *[Signature]*  
 NO. C.E. NO. 33134  
 SAN DIMAS BLDG. DIST. 10.00

CHARLES W. CARRY, CHIEF ENGINEER  
 CO. SAN. DIST. NO. 22  
 APPROVED: *[Signature]*  
 OFFICE ENGINEER

CITY OF COVINA  
 APPROVED: *Walter B. Dowdley 7/14/77*  
 CITY ENGINEER



NO L.A. COUNTY CHARGE FOR CONNECTIONS  
SEE SAN DIST. FOR SPECIAL CONNECTION CHARGES

50702

BC 10532

BASE ON TRACT