PROFILE, ALIGNMENT AND GRADE OF

SANITARY SEWERS

TO BE CONSTRUCTED IN

VALLEY BOULEVARD

FROM 300' WEST OF GRAND AVENUE

TO 990' EAST OF GRAND AVENUE

(WALNUT SHERIFF STATION)

PRIVATE CONTRACT NO. 10417

INDEX U-144

PAGE 1

52005

2 SHEETS, 3 PAGES

SCALE: VERT. 1"=4' HORIZ. 1"=40' AUGUST, 1985

PREPARED IN THE OFFICES OF

NEPTUNE AND THOMAS ASSOCIATES

1550 WEST COLORADO BLVD. PASADENA, CALIFORNIA

BY: [signature]

REG. C. E. No. 7658

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

BEDDING	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
BRICK MANHOLE	S-3
STANDARD MANHOLE STEP	S-27
BENDING FOR STUBS PIPE	S-28
CRADLING AND ENCASEMENT	S-29
WYE OR TEE SUPPORT	S-30
ALLOWABLE TRENCH WIDTHS	S-31
SECTIONS MANHOLE FRAME AND COVER	S-35
NON-REINFORCED PRECAST CONCRETE MANHOLE	S-36
RECTANGULAR SHALLOW MANHOLE	S-7
RECTANGULAR MANHOLE FRAME & COVERS	S-14
PRECAST CONCRETE SHALLOW MANHOLE	S-32

CONT. LEFT ABOVE

COUNTY OF LOS ANGELES, CALIFORNIA

THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS — APPROVED [signature] DATE 7/11/85

CHARLES W. CARRY, CHIEF ENGINEER (WITH SUBMITTAL IF NECESSARY) — APPROVED [signature] DATE 9/11/85

CHECKED [signature] DATE 9-9-85

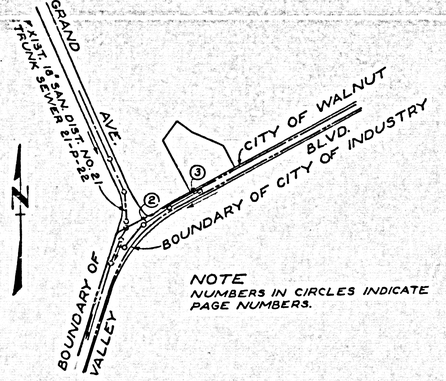
SAN. C.E. NO. 93194

Revision No. 2. Approved 6/26/86 [signature]

SAN DIMAS BDG. DIST. 10

B.M. 11-96 ELEV. 575.701

VALLEY BLVD. & OLD BREA CANYON RD. 157.7' N.E. & INTER. 21.5' N.W. & OF VALLEY BLVD. BUTTON BRASS CAP IN WELL W/C. COVER. CO. ENGR. PRECISE LEVEL QUAD. 1976 ADJ.



INDEX MAP

P.C. 10417 VALLEY BOULEVARD (WALNUT SHERIFF STATION)

SCALE: 1"=600'

GENERAL NOTES: CONT.

16. ALL REFERENCES ON THIS PLAN TO THE COUNTY ENGINEER, THE ROAD DEPARTMENT, OR THE FLOOD CONTROL DISTRICT SHALL APPLY TO THOSE APPROPRIATE SECTIONS OF THE DEPARTMENT OF PUBLIC WORKS.

STANDARD PLANS CONT.

SPECIAL HOUSE LATERALS S-25

IN ADDITION THE FOLLOWING COUNTY SANITATION DISTRICTS STANDARDS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT.

STANDARD METHODS FOR CONNECTION TO PIPE & STRUCTURES S-9-86

REVISION NO 1	DATE 11-05-85
PAGE 2 REVISE SEWER ALIGNMENT FROM 5+34.57 TO 6+45.29 MOVE M.H. FROM 5+90.00 TO 6+50.00	
PAGE 3 MOVE M.H. FROM 9+40.00 TO 10+00.00 DELETE SEWER LINE FROM 10+00.00 TO 12+90.00	
APPROVED: [signature] RCE 33154 DIRECTOR OF PUBLIC WORKS	
REVISION NO 2	DATE 6-30-86
PAGE 2 REVISE SEWER ALIGNMENT AND GRADE FROM STA. 0-35.00 TO STA. 3+50.00	
APPROVED: [signature] RCE 30990 DIRECTOR OF PUBLIC WORKS	

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.

GENERAL NOTES:

1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
3. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
4. 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 8" 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.
5. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS SHO STATIONING FOR ALL HOUSE LATERALS 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 LATERALS FROM CURVED STS 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.
6. 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.
7. 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, 900 S. VERMONT AVENUE, LOS ANGELES, CA 90006 TO COVER THE COST OF CONSTRUCTION INSPECTION ARE "RECORD PLANS."
8. 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.
9. 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.
10. REFER TO SECTION 7.10.4.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
11. 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 WORKER'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER, 900 SOUTH VERMONT, FIN. 498, LOS ANGELES, CALIFORNIA 90005, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

CONSTRUCTION NOTES:

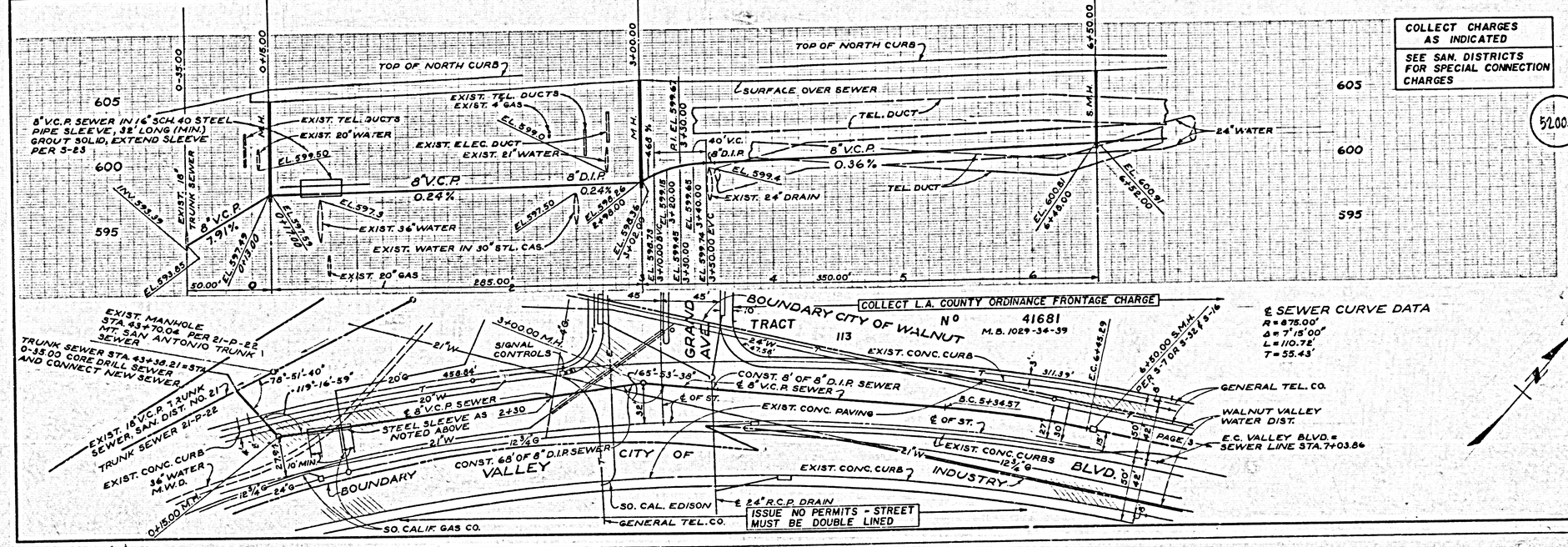
1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1985 AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1976 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
2. THE CONTRACTOR SHALL NOTIFY THE CONST. DIV - PUBLIC WORKS BY TEL. 213-226-8226 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
3. HOUSE LATERAL "S" TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 5 FEET BELOW CURB GRADE EXCEPT AS NOTED
4. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
5. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-3 OR PRECAST CONCRETE MANHOLES PER S-36, EXCEPT AS NOTED.
6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
7. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
8. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "S" PER STANDARD SPECIFICATIONS SECTION 208-5.
9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-30, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
10. 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 S-30, CASE II UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
11. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "O" OR "S". (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS, SECTION 208-2.
12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-14 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
13. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
14. FULL COMPLIANCE WITH SECTION 300-1.2.8 OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR PACKFILL 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.
15. 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 THE 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 D698-57T AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION - PUBLIC WORKS.

P. C. 10417 PAGE 2

COLLECT CHARGES AS INDICATED

SEE SAN. DISTRICTS FOR SPECIAL CONNECTION CHARGES

52006



℄ SEWER CURVE DATA

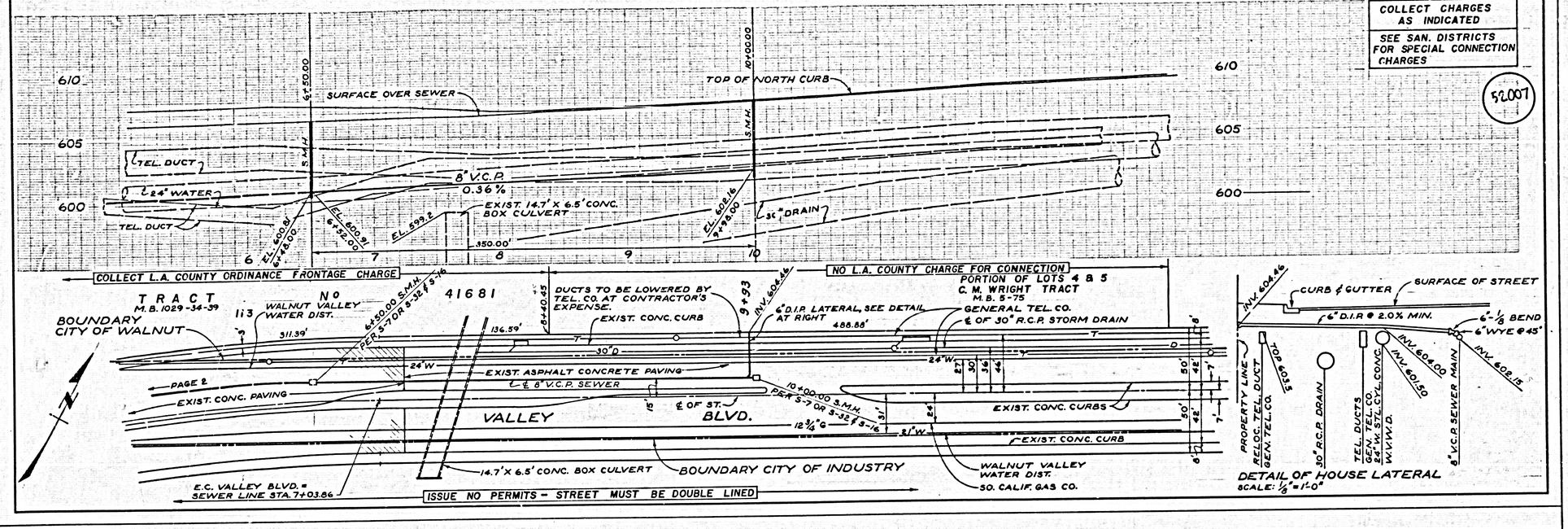
R = 675.00'
Δ = 7°15'00"
L = 110.72'
T = 55.43'

L.A. COUNTY SURVEY SHEET NO. 3 SOUTHERN CALIFORNIA GAS COMPANY CO. 25 0-45

P.C. 10417 PAGE 3

COLLECT CHARGES AS INDICATED
SEE SAN. DISTRICTS FOR SPECIAL CONNECTION CHARGES

52007



PAGE

L.A. COUNTY SEWER SHEET NO. 2 SOUTHERN CALIFORNIA BLUEPRINT CO.