

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 OF A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (518) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

- UNDERGROUND UTILITIES**
- 1 12" ORCHARD DALE WATER
 - 2 10" UNION OIL
 - 3 16" 50-PACIFIC PIPE LINE OIL
 - 4 8" 50-PACIFIC PIPE LINE OIL
 - 5 8" 50-PACIFIC PIPE LINE OIL
 - 6 12" 50-PACIFIC LIGHTING
 - 7 6" S.O. COUNTRIES GAS
 - 8 3 1/4" S.O. COUNTRIES GAS (ARAB. 3-58)
 - 9 8" SOUTHWEST WATER
 - 10 GEN TEL 4 TR.D

NUMBER	DATE	REVISIONS	APPROVED
1	8-4-91	ADDED 600' RADIUS CURVE BETWEEN STA. 1+87.00 BC AND STA. 2+87.00 EC TO AVOID EXIST. GAS LINE (SEE PG. 2)	<i>[Signature]</i> 8/6/91

GENERAL NOTES:

- 1 A SEWER CONNECTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTOR AND RECORD PLANS TO THE DEPARTMENT OF PUBLIC WORKS AT THE PERMIT OFFICES 800 N. MAIN STREET 4TH FLOOR, LOS ANGELES, CALIFORNIA 90012. THIS PERMIT SHALL BE FILED WITH THE PERMIT APPLICATION.
- 2 PRIOR TO BREAKING INTO OR CONSTRUCTION OF A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (518) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.
- 3 SEWER IS TO BE COVERED IN A STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DEPARTMENT OF HIGHWAYS 140 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
- 4 WHEN WORK IS TO BE DONE IN A STATE HIGHWAY THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT OFFICE TO DETERMINE THE LOCATION TO BE THE INSPECTION PIT.
- 5 THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE LISTED ON THE APPLICATION FOR CONSTRUCTION PERMIT TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE AND SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (415) 484-3142 AT LEAST FORTY-EIGHT HOURS BEFORE STARTING WORK UNDER THIS CONTRACT.
- 6 APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO 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 SHEETS.
- 7 ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION HAS BEING PREPARED BY THE COUNTY OF LOS ANGELES AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS PART 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- 8 ELEVATIONS ARE IN FEET ABOVE M.S.L. & S.E.A. LEVEL (BAYAN OF 1988).
- 9 NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
- 10 NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- 11 GRADE TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED IS SHOWN ON PLANS AND PROFILES. GRADES FOR PORTION OF ROAD CENTERLINE OF STREETS ON CENTERLINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES AT ALL POINTS BETWEEN OR NEAR POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE BETWEEN ADJACENT POINTS.
- 12 THE FINISH OF EXISTING SURFACE SHALL BE SHOWN BY CIRCLES ON PROFILES WITH GRADE SYMBOLS AND STATIONING FOR ALL PORTIONS OF STREETS AND ALLEYS AND SHALL PROVIDE GRADES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLACING AND MARKING AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAIN LINE TO THE HOUSE EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LESS THAN 90 DEGREES WITH THE MAIN LINE. SEWER AND GAS LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAIN LINE TO THE HOUSE EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAIN LINE TO THE HOUSE EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LESS THAN 90 DEGREES WITH THE MAIN LINE. SEWER AND GAS LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAIN LINE TO THE HOUSE EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LESS THAN 90 DEGREES WITH THE MAIN LINE.
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- 15 SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

CONSTRUCTION NOTES:

- 1 PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
- 2 STRENGTHENED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 200-4.
- 3 IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER STANDARD PLAN 504-G. TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 4 ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER GASKET JOINT TYPE "D" WITH GASKETS IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-4.
- 5 HOUSE LATERALS TO BE CONSTRUCTED WITH 1 1/2" MINIMUM TO THE FACE OF THE R/W LINE.
- 6 USE OR BE SHOWN BY CIRCLES ON PROFILES WITH GRADE SYMBOLS AND STATIONING FOR ALL PORTIONS OF STREETS AND ALLEYS AND SHALL PROVIDE GRADES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLACING AND MARKING AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAIN LINE TO THE HOUSE EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LESS THAN 90 DEGREES WITH THE MAIN LINE. SEWER AND GAS LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAIN LINE TO THE HOUSE EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LESS THAN 90 DEGREES WITH THE MAIN LINE.
- 7 IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER STANDARD PLAN 504-G. TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 8 ALL STRUCTURES SHALL BE EITHER SEWER MANHOLES PER STANDARD PLAN 504-G OR PRECAST CONCRETE SEWER MANHOLES PER STANDARD PLAN 504-G OR REINFORCED PRECAST CONCRETE MANHOLES PER STANDARD PLAN 504-G EXCEPT AS NOTED.
- 9 REINFORCE ALL STRUCTURES WITHIN MANHOLES TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH THE PLANS.
- 10 ALL COMPLIANCE WITH SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR EACH ALL IN SPECIAL CERTIFICATION OF A QUALIFIED CONTRACTOR AND SHALL BE OBTAINED BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE RESUBMISSION OF A CERTIFICATE OF FINAL ACCEPTANCE.
- 11 ALL MANHOLES AND PILE OUTSIDE OF SPREAD RIGHT OF WAY SHALL BE CONSTRUCTED TO 80% OF MAXIMUM DEPTH AS DETERMINED BY ALL THE LOCAL COMMUNITIES THAT ARE TO BE SERVED BY THIS SEWER SYSTEM. THIS CERTIFICATION SHALL BE OBTAINED BY A QUALIFIED CIVIL ENGINEER THAT CERTIFICATION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
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- 13 SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PROFILE, ALIGNMENT AND GRADE OF **SANITARY SEWERS** TO BE CONSTRUCTED IN **TRACT NO. 47736**

PRIVATE CONTRACT NO. 11051
INDEX C-149
1 SHEET, 2 PAGES

SCALE: HORIZ. 1" = 40' VERT. 1" = 4'
DECEMBER 18, 1989

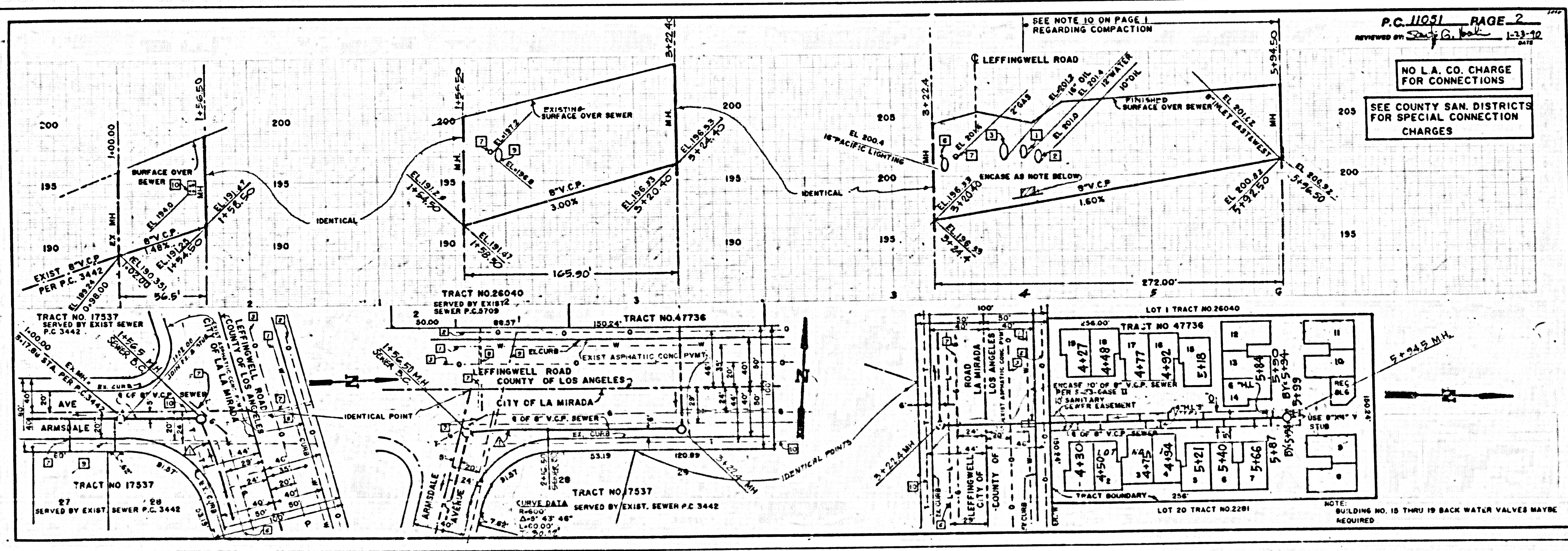
PREPARED IN THE OFFICES OF
CAM ENGINEERING INC.
BY: *[Signature]* TEL. NO. 714-521-8779
REG. C.E. NO. 27156

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

STANDARD PUBLIC SAFETY REQUIREMENTS	5-1
SEWER MANHOLE	5-2
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STANDARD MANHOLE	5-4
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LOADING MANHOLE FRAMES AND COVER	5-9
NON-REINFORCED PRECAST CONCRETE MANHOLE	5-10

COUNTY OF LOS ANGELES, CALIFORNIA
THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS
CHARLES W. CARRY, CHIEF ENGINEER
APPROVED: *[Signature]* 1/28/90 DATE
CHECKED: *[Signature]* 1/28/90 DATE
REG. C.E. NO. 18116

BELFLOWER, BLDG. DIST. 4



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