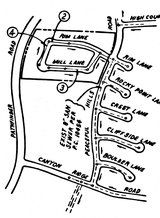
B.M. CG-4211 ELEV. 821.160
C.S.B.M. MON. F.L. IN WK. ON PATHFINDER RD.
20 FT. E/O W. END BRIDGE OVER ORANGE
FRWY. 28 FT. N & 117 FT. W/O & INT. W/O. (C7-341573)
OTTERBEIN QUAD. 1980




INDEX MAP
TRACT NO. 44824
P.C. NO. 10589
SCALE 1" = 600'

NOTE:
NUMBERS IN CIRCLES INDICATE PAGE NUMBERS

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.

NOTE: ISSUE NO H.L. PERMITS UNTIL OUTLET P.C. 10454 IS ACCEPTED FOR PUBLIC USE.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND 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 TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

No. 21598 Exp. 12-31-89 CIVIL STATE OF CALIFORNIA
ROBERT T. QUINN R.C.E. 24388

## 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 DEPT. OF PUBLIC WORKS
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 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.
5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPT. OF P.W. WITH GRADE SHEETS AND 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 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
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 OF LOS ANGELES, CA 90012 TO COVER THE COST OF CONSTRUCTION INSPECTION AND 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 7.10.41 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, 2250 ALCAZAR ST., RM 1201, LOS ANGELES, CALIFORNIA 90033, 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 1986 EDITION WITH 1986 SUPPLEMENTS, AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED DEPT. 21, 1978 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE 818-338 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 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 "G" PER STANDARD SPECIFICATIONS SECTION 208-2.
9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER THE SEWER SHALL BE ENCASED. PER S-23, 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-23, CASE II UNLESS OTHERWISE APPROVED BY THE DEPT. OF PUBLIC WORKS.
11. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D". (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS, SECTION 208-2.
12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306.1 & 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 306.1.3 & OF THE STD SPECIFICATIONS 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
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 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 D698-57 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION.

PROFILE, ALIGNMENT AND GRADE OF

PAGE 1

# SANITARY SEWERS

TO BE CONSTRUCTED IN

## TRACT NO. 44824

## PRIVATE CONTRACT NO. 10589
INDEX: U-141, A-2

2 SHEETS; 4 PAGES

51942

SCALE: VERT. 1"=4' HORIZ. 1"=40' SEPT. , 1986

PREPARED IN THE OFFICES OF
EL FEARSON & ASSOCIATES
1555 W. REDONDO BEACH BLVD. GARDENA, CA. 90247 (213) 321-1515

No. 21598 Exp. 12-31-89 CIVIL STATE OF CALIFORNIA
BY Robert T. Quinn
REG. C. E. No. 24388

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

| | |
|---|---|
| LEGEND | S-1 |
| MINIMUM PUBLIC SAFETY REQUIREMENTS | S-2 |
| BRICK MANHOLE | S-3 |
| STANDARD MANHOLE STEP | S-17 |
| BEDDING FOR SEWER PIPE | S-29 |
| CRADLING AND ENCASEMENT | S-33 |
| WYE OR TEE SUPPORT | S-36 |
| ALLOWABLE TRENCH WIDTHS | S-38 |
| LOCKING MANHOLE FRAME AND COVER | S-53 |
| NON-REINFORCED PRECAST CONCRETE MANHOLE | S-56 |

COUNTY OF LOS ANGELES, CALIFORNIA
THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS-WALTER E. GARRISON, CHIEF ENGINEER
CO. SAN DIST. ENG.

APPROVED BY Carl J. Blum 2/5/87 (DATE) APPROVED Dean M. Fuller 2/11/87 for OFFICE ENGINEER

CHECKED F. Ruiz 2/3/87 DATE

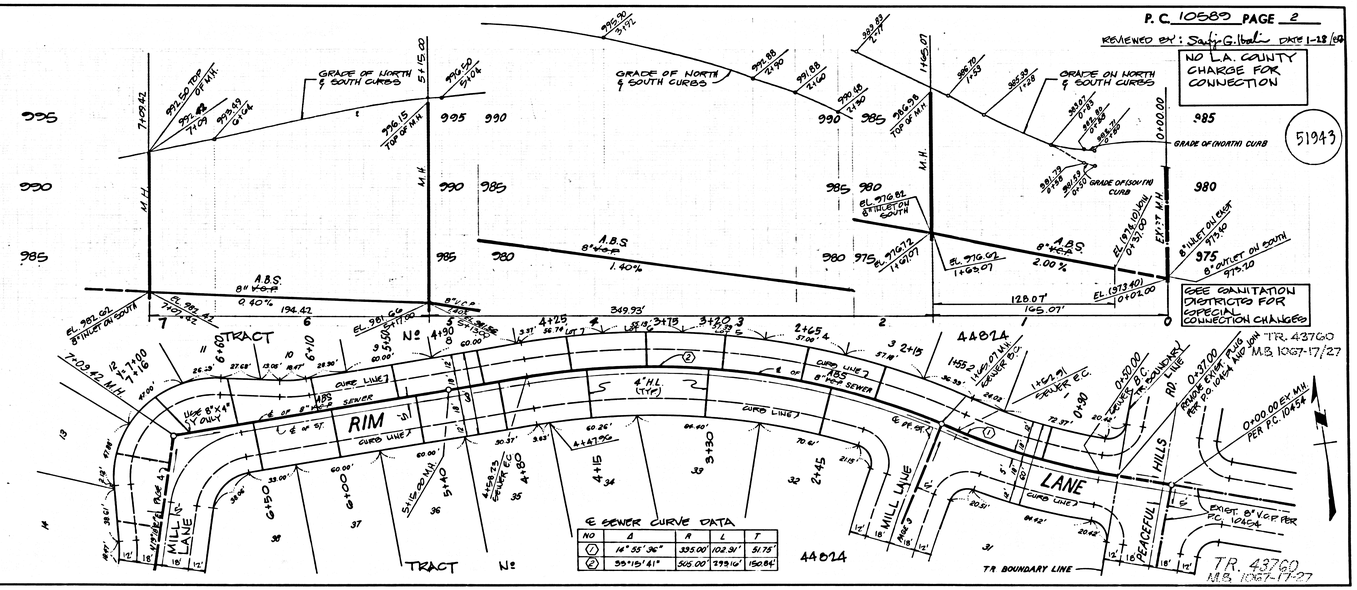
BRD. C.E. NO. 16841

LA PUENTE BLDG. DIST. 200

P.C. 10589 PAGE 2
REVIEWED BY: Sanjiv G. Ibrahim DATE 1-28-87

NO L.A. COUNTY CHARGE FOR CONNECTION

51943




| NO | Δ | R | L | T |
|---|---|---|---|---|
| 1 | 14°55'36" | 395.00' | 102.91' | 51.75' |
| 2 | 55°15'41" | 505.00' | 487.16' | 260.84' |

P.C. 10583 PAGE 3
REVIEWED BY: DATE: 1-28-87
NO L.A. COUNTY CHARGE FOR CONNECTION
51944
GRADE OF NORTH & SOUTH CURBS
GRADE OF WEST CURB
GRADE OF EAST & WEST CURBS
GRADE OF EAST CURB
A.B.S.
8" V.C.P.
0.40%
60' V.C.
P.I. = 978.07
IDENTICAL
246.87'
192.34'
227.66'
TRACT No 44824
RIM LANE
MILL LANE
CURB LINE
℄ OF STREET
4" H.L. (TYP)
USE 8"Ø Y ONLY
℄ 8" VCP SEWER
℄ OF 8" VCP SEWER
IDENTICAL POINTS
SEE SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
℄ SEWER CURVE DATA
Δ = 7°06'00"
R = 1490.00'
L = 186.51, T = 93.38'


P.C. 10583 PAGE 4
REVIEWED BY: DATE: 1-28-87
NO L.A. COUNTY CHARGE FOR CONNECTION
51945
GRADE OF EAST & WEST CURBS
ENCASE AS NOTED BELOW
A.B.S.
0.40%
284.62'
SEE SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TRACT NO. 44824
RIM LANE
MILL LANE
CURB LINE
℄ OF ST.
4" H.L.
ENCASE 8' OF 8" V.C.P. SEWER PER S-23, CASE X