B.M. CG-2249 ELEV. 565.042
RD. MON. IN WELL 7 IN DN. @ P.I. OF CURVE @ INT. FULLERTON RD. AND KASHLAN RD. MKD. (RD. DEPT. 1950)
OTTERBEIN QUAD. 1979

NOTE:
NUMBER IN CIRCLE INDICATES PAGE NUMBER

INDEX MAP

SCALE: 1" = 600'
PC NO. 11215
TRACT NO. 46685
THOMAS 36A - D - 3

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS CONSOLIDATED SEWER MAINTENANCE DISTRICT; REVIEWED FOR MAINTENANCE.
REVIEWED BY: Nicholas R. Hinton DATE 2/9/94

GENERAL NOTES:

1. A SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION, INSPECTION AND RECORD PLANS TO THE OFFICE OF THE DIVISION OF THE STATE SAFETY AND INDUSTRIAL RELATIONS, DEPARTMENT OF INDUSTRIAL RELATIONS, 107 SOUTH BROADWAY, ROOM 4016, LOS ANGELES, CALIFORNIA 90012, AT LEAST 10 WORKING DAYS BEFORE CONSTRUCTION COMMENCES. EVIDENCE OF ALL OTHER REQUIRED PERMITS, SUCH AS RIGHT-OF-WAY, GRADING, ETC. MUST BE FILED WITH THE PERMIT APPLICATION.
2. PRIOR TO ISSUANCE OF ANY PERMIT THE CONTRACTOR SHALL FILE A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKER'S COMPENSATION INSURANCE OR A CERTIFICATE OF CONSENT TO SELF-INSURE ISSUED BY THE DIRECTOR OF PUBLIC WORKS OR THE CERTIFICATE HOLDER TO BE NOTIFIED 10 DAYS PRIOR TO CANCELLATION OF POLICY.
3. 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, CA.
4. WHEN WORK IS WITHIN A CONTRACT C.I.T., THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO DETERMINE FINE LOCATION TO PAY THE UNDERGROUND FEE.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE LISTED ON THE APPLICATION FOR CONSTRUCTION PERMIT TO ARRANGE FOR AN ALL-CITY FIELD CONSTRUCTION STAKING CONFERENCE, AND SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY 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 PAGES.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION, INCLUDING SUPPLEMENTS, AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS, DATED JULY 27, 1984, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS PERSONNEL.
8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION, IN REGARD TO SAFETY. WORKERS WILL SHALL CONFORM TO THE "GENERAL PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD 2-2.
9. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
10. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
11. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
12. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND/OR "FILLET" GRADE POINTS FROM TOP OF CURBS, CENTERLINE OF STREETS, OR CENTERLINES OF ALLEYS, AND SHOWN BY CHECKED PROFILES AT ALL POINTS BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE AS SHOWN ON THE PLANS AND PROFILES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GRADES AS SHOWN BETWEEN SUCH DESIGNATED POINTS.
13. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "Y" BRANCHES. SUCH GRADE SHEETS SHALL BE FURNISHED AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE. ALL PLANS APPROVED ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN. THE SEWER EXCEPT AS SHOWN ON THE APPROVED PLANS. ALL HOUSE LATERALS SHALL BE CONSTRUCTED TO A MINIMUM GRADE OF 1.0% (ONE PERCENT). NO SEWER SHALL BE LESS THAN 6" IN DIAMETER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
14. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.

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. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 208-2.
3. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER STANDARD PLAN 320, CASE II. TWO FEET OR LESS SHALL TRADE "THE PARTY" OR ALTERNATIVES.
4. ALL JOINTS OF TEES CAST-IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "D" WITH BUSHING IF NECESSARY, PER STANDARD SPECIFICATIONS SECTION 208-2.
5. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT THE PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
6. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
7. IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN, 18" OR MORE, LATERAL, OR MORE THAN 8 FEET OF COVER OVER THE TOP OF A MAIN, 15" OR LESS, THE PIPE SHALL BE ENCASED PER STANDARD PLAN 320, CASE II, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
8. ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER STANDARD PLAN 310 OR PRECAST CONCRETE SEWER MANHOLES PER STANDARD PLAN 334 OR REINFORCED PRECAST CONCRETE MANHOLES PER STANDARD PLAN 315, EXCEPT AS NOTED.
9. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY RESURFACING REQUIREMENTS IN ACCORDANCE WITH THE PERMITS.
10. FULL COMPLIANCE WITH SECTION 306-1.3.4 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
11. ALL BACKFILL AND FILL ON TOPS OF STREET RIGHT-OF-WAY SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D 1557 (COMPACTION TEST TO TEST METHOD "D" UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS). THIS SHALL BE CERTIFIED BY A QUALIFIED CIVIL ENGINEER. CERTIFICATION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
12. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
13. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS
TO BE CONSTRUCTED IN
TRACT NO. 46685
PRIVATE CONTRACT NO. 11215

PAGE 1
54168

INDEX 2264
1 SHEET 2 PAGES

REGISTERED CIVIL ENGINEER JAMES D. SCHNEIDER NO. 42815 EXP. 3-31-96 CIVIL

SCALE: HORZ. 1"=50' VERT. 1"=10'
MAY, 1992
PREPARED IN THE OFFICE OF:
CDC ENGINEERING
5 WRIGLEY IRVINE, CALIFORNIA 92718
BY [signature] TELEPHONE NO. (714) 830-6801
REG. C.E. No. 42915
EXP. DATE 3/31/96

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

LEGEND	
MINIMUM PUBLIC SAFETY REQUIREMENTS	2-1
BRICK MANHOLE	3-3
REINFORCED PRECAST CONCRETE MANHOLE	3-5
STANDARD MANHOLE STEP	3-17
BEDDING FOR SEWER PIPE	3-21
CRADLING AND ENCASEMENT	3-23
PIPE FOR TEE SUPPORT	3-24
ALLOWABLE TRENCH WIDTHS	3-30
LOCKING MANHOLE FRAME AND COVER	3-32
NON-REINFORCED PRECAST CONCRETE MANHOLE	3-35

COUNTY OF LOS ANGELES, CALIFORNIA

THOMAS A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS
APPROVED [signature] DATE 11/23/93
CHECKED Thomas Hammond 11/22/93
REG C.E. NO. 20275
LA PUENTE BLDG DIST 2

APPROVED FOR CONNECTION AND ALL PERMIT FEES HAVE BEEN PAID TO COUNTY OF ORANGE SAN DIST. NO. 3
APPROVED [signature] DATE 11/24/93

APPROVED: CITY OF BREA
BY: [signature] CITY ENGINEER DATE 11-30-93

SEE CONSTRUCTION NOTE NO. 11 ON PAGE 1 REGARDING COMPACTION

P.C. 11215 PAGE 2
REVIEWED BY: [signature] DATE 11-17-93

NO CHARGE FOR CONNECTION
DOUBLE SCALE

54169

ISSUE NO PERMITS – THESE LOTS ARE SERVED BY THE CITY OF BREA

L.A. COUNTY SURVEY SHEET NO. 1 G.M. # 213-5391-8480 REVISED 8/91

(1)
TRACT NO. 46685 PC 11215