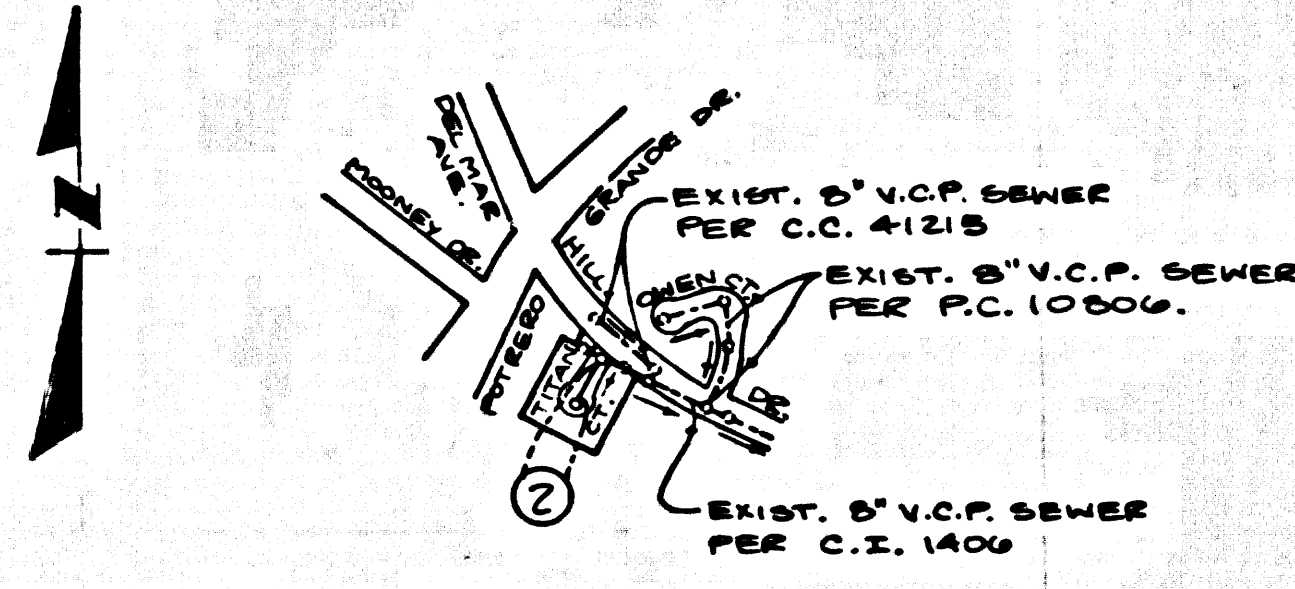


B.M. CY 7750 ELEV. 332.560
 EDDM TAG 1FT W/O BCR 42FT N
 6.115 W/O CL INT SAN GABRIEL
 BLVD & HILL DR
 BASELINE QUAD. 1915



NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.

INDEX MAP
 TRACT NO. 48565
 P.C. 11245
 SCALE: 1"=600'
 THOMAS: G36-E-4

PRIVATE ENGINEER'S NOTE TO CONTRACTORS
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE ESTIMATED BY A REVIEW OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE TO THE SANITATION DISTRICTS TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "UNDERGROUND UTILITY ALERT" AT 1-800-451-1233 TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
Richard Shroade 35447
 REGISTERED ENGINEER REC. NO.

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:**
- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
 - NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
 - NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL BE CALLED OUT ANY PORTION OF THE WORK.
 - GRANDES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN IN PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF STREETS, OR CENTERLINE OF ALLEYS ARE SHOWN IN PROFILES. AT ALL POINTS BETWEEN INDICATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID INDICATED POINTS.
 - THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATISTICS FOR ALL HOUSE LATERALS AND 12" OR 18" BRANCHES AND TRUNK LINES. THESE STATISTICS SHALL BE PREPARED LOCATING WITH STATIONING MEASUREMENTS. 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.
 - THE PRIVATE ENGINEER SHALL INDICATE THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
 - BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, POINT OFFICE NO. 8 AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 900 SOUTH FRENCH AVE., ALHAMBRA, CA 91807 - 8TH FLOOR, 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 20000 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY DEVICES.
 - PRIOR TO THE ISSUANCE OF THE REQUIRED REVIEW CONSTRUCTION PERMIT THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS, POINT OFFICE NO. 8, A PERMIT FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY, AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FRENCH AVE., ALHAMBRA, CA 91807 - 8TH FLOOR, IN ACCORDANCE WITH THE CERTIFICATE HOLDER TO BE NOTIFIED IN WRITING PRIOR TO COMMENCEMENT OF PROJECT.

- CONSTRUCTION NOTES:**
- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1988 EDITION) AND COPY OF PUBLIC WORKS SPECIAL DIVISION FOR THE CONSTRUCTION OF SANITARY SEWERS DATED JULY 24, 1989 AND SHALL BE PROCEEDED ONLY IN THE PRESENCE OF THE SPT OF PUBLIC WORKS.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION - PUBLIC WORKS DEPARTMENT, BY TELEPHONE 969-3828 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED.
 - V.I.E. OR V.E. BRANCHES MAY BE USED FOR CONNECTION TO MAINLINE SEWERS EXCEPT AS NOTED.
 - ALL STRUCTURES SHALL BE EXTERIOR BRICK SEWER MANHOLES PER 3-23 OR PRECAST CONCRETE SEWER MANHOLES 3-26, EXCEPT AS NOTED.
 - PROTECT 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.
 - VERIFIED CLAY PIPE JOINTS SHALL BE TYPE "B" OR "C" PER STANDARD SECTION 200-5.
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE CHANGED PER 3-25, CASE II, 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 PROTECTED ON THE PLANS, THE PIPE SHALL BE CHANGED PER 3-23, CASE II, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
 - ALL JOINTS BETWEEN CAST IRON PIPE AND INTERFERED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", WITH SLEEVES IF NECESSARY PER STANDARD SPECIFICATION, SECTION 200-5.
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-14 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
 - RECURVE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 - FULL COMPLIANCE WITH SECTION 200-13 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STRICTLY CERTIFICATION OF BACKFILL, COMPACTOR 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 EXISTING CONSTRUCTION OR BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADE AND SLOPE REQUIREMENTS FOR THAT SECTION BY THE TIME THE PERMITTEE HAS BEEN NOTIFIED BY THE COUNTY OF LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, POINT OFFICE NO. 8, A PERMIT FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY, AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FRENCH AVE., ALHAMBRA, CA 91807 - 8TH FLOOR, IN ACCORDANCE WITH THE CERTIFICATE HOLDER TO BE NOTIFIED IN WRITING PRIOR TO COMMENCEMENT OF PROJECT.

DOUBLE SCALE PROFILE ALIGNMENT AND GRADE OF

SANITARY SEWERS
 TO BE CONSTRUCTED IN

TRACT NO. 48565
 PRIVATE CONTRACT NO. 11245
 INDEX 2020
 1 SHEET ; 2 PAGES

SCALE: VERT. 1"=4'
 HORIZ. 1"=40'
 DECEMBER, 1990

PREPARED IN THE OFFICES OF
 CIVILTEC ENGINEERING, INC.
 855 W. FOOTHILL BLVD.
 MONROVIA, CA 91016 (918) 357-0588

BY: *Richard Shroade*
 RICHARD SHROADE R.C.E. 35447

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

MINIMUM PUBLIC SAFETY REQUIREMENTS	3-1
BRICK MANHOLE	3-2
REINFORCED PRECAST CONCRETE MANHOLE	3-4
STANDARD MANHOLE STEP	3-7
RECORDING FOR SEWER PIPE	3-1
CRADLING AND ENCASUREMENT	3-29
PIPE ON TIE SUPPORT	3-28
ALLOWABLE TRENCH WIDTHS	3-33
LOADING MANHOLE FRAME AND COVER	3-38
NON-REINFORCED PRECAST CONCRETE MANHOLE	3-38
CHIMNEY PIPE AND BASIS	3-51

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON
 DIRECTOR OF PUBLIC WORKS

CHARLES W. CARRY
 CHIEF ENGINEER
 CG SAN DIST NO. 12

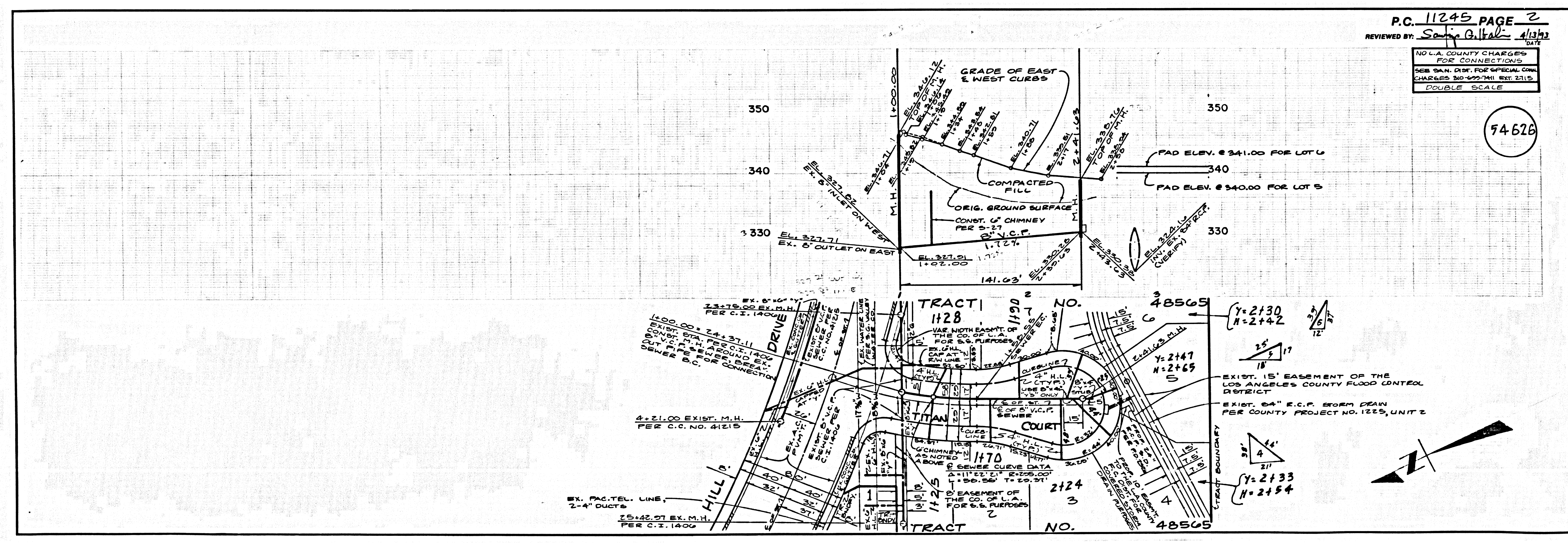
APPROVED: *James C. Thompson* 4/12/93
 APPROVED: *Thomas A. Tideman* 4-4-93
 OFFICE ENGINEER

CHECKED: *Tom Hoagland* 4/15/93
 REG. CE NO. 22773

SAN GABRIEL VALLEY BLDG. DIST. 5

P.C. 11245 PAGE 2
 REVIEWED BY: *Sanjay G. Patel* 4/13/93
 DATE

NO L.A. COUNTY CHARGES FOR CONNECTIONS
 SEE SAN. DIST. FOR SPECIAL CHARGES 200-122-111 EXT. 2315
 DOUBLE SCALE



1

24511 29

25288 ON TRACT