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 E. TURNBULL CYN. RD.
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PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS OF THE CITY OF LOS ANGELES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION OR EXCAVATION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY OF LOS ANGELES OF ANY DISCREPANCIES OR UNRECORDED UTILITIES PRIOR TO ANY CONSTRUCTION OR EXCAVATION WORK.

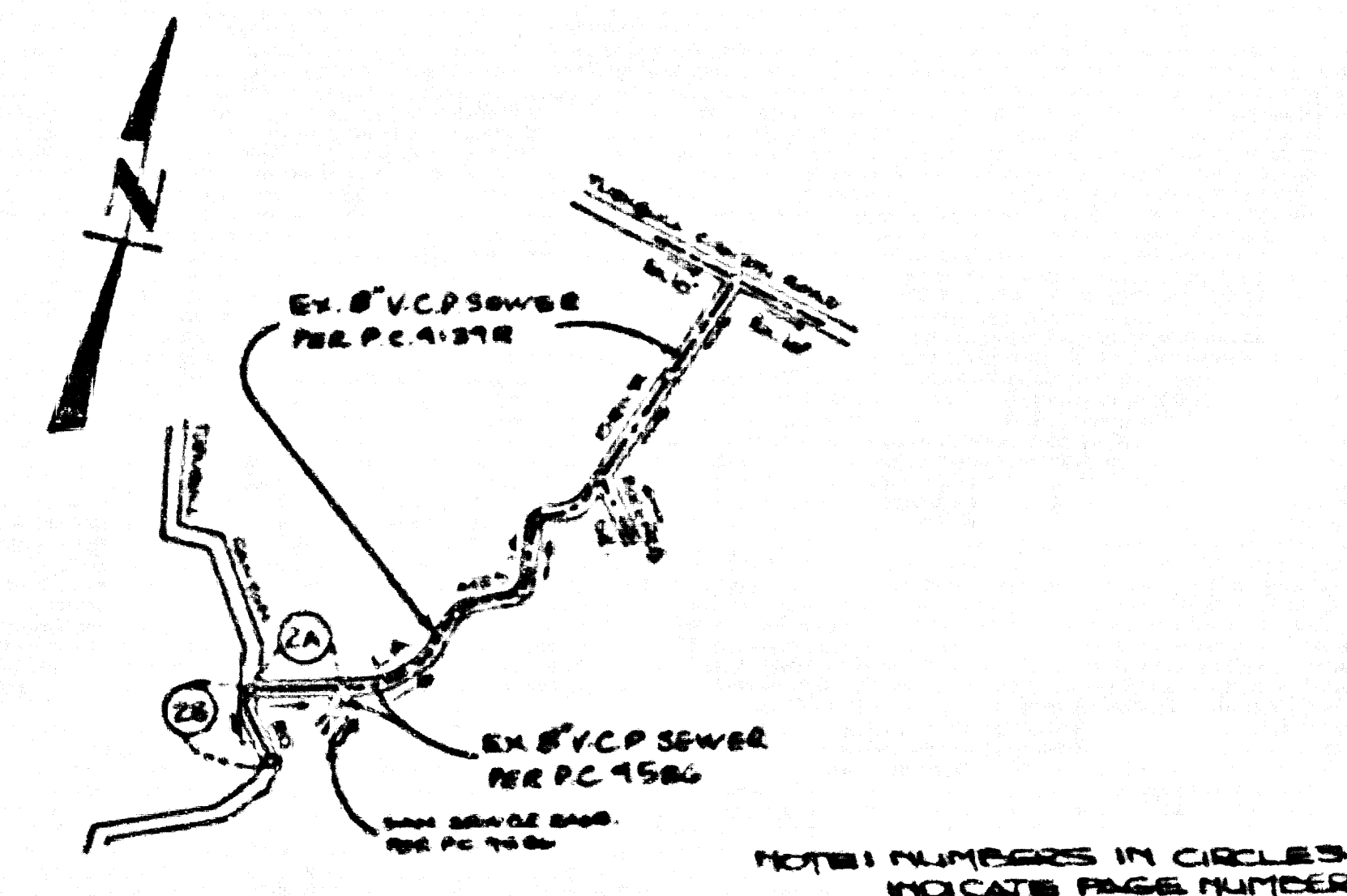
Wesley R. Lind
 REGISTERED ENGINEER P.C.E. NO. 16782

CONSTRUCTION NOTES CONT.

- FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A 8" A.S.C.P. COMPOSITE PIPE STRUCTURE.
- A 8" A.S.C.P. COMPOSITE PIPE SHALL BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A 8" A.S.C.P. COMPOSITE MAINLINE SEWER PIPE.
- A 8" A.S.C.P. COMPOSITE PIPE SHALL BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A 8" A.S.C.P. COMPOSITE MAINLINE SEWER PIPE.
- THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADIUS OF CURVATURE LESS THAN 200 FEET W/ 1/2" V.C.P. A 8" A.S.C.P. COMPOSITE PIPE.
- NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A 8" A.S.C.P. COMPOSITE PIPE IS USED.
- SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY PULLING OF JOINTS OR BENDING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A 8" A.S.C.P. COMPOSITE PIPE.
- ALL WYE AND HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
- A 8" A.S.C.P. COMPOSITE PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
- ONLY WYE BRANCHES ARE TO BE USED FOR CONNECTION TO A 8" A.S.C.P. COMPOSITE MAINLINE SEWER PIPE.

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) 952-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.



GENERAL NOTES:

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL, DATUM OF 1988.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
- NO REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- GRADING TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS SHALL BE ESTABLISHED AS TO LOW CURB TO A STRAIGHT LINE DRAWN TWENTY FEET FROM CURB TO CENTERLINE OF PLANTING.
- THE PRIVATE ENGINEER SHALL FURNISH THE DEPT. OF PUBLIC WORKS WITH ORANGE PRINTS AND STATIONING FOR ALL HOUSE LATERALS AND FOR 17" BURNING OILS AND SHALL PROVIDE STAKES FOR THE HOUSE LATERALS IN PLAYS AND PROFILES. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES TO THE MAINLINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAINLINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
- 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.
- BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIV. OF THE LA. DEPT. OF PUBLIC WORKS PERMITS OFFICE, 818 W. 4TH ST., LOS ANGELES, CA 90012. THE DEPT. OF PUBLIC WORKS WILL ISSUE A PERMIT FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803. THE DEPT. OF PUBLIC WORKS WILL ISSUE A PERMIT FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803. THE DEPT. OF PUBLIC WORKS WILL ISSUE A PERMIT FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803.
- 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 THE PROJECT. THE NOTE APPLIES TO ALL PAGES.
- REFER TO SECTION 106.4 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
- PERMITS TO EXCAVATE IN COUNTY STREETS SHALL BE OBTAINED FROM THE DEPT. OF PUBLIC WORKS PERMITS OFFICE, 818 W. 4TH ST., LOS ANGELES, CA 90012. THE DEPT. OF PUBLIC WORKS WILL ISSUE A PERMIT FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803. THE DEPT. OF PUBLIC WORKS WILL ISSUE A PERMIT FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803. THE DEPT. OF PUBLIC WORKS WILL ISSUE A PERMIT FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803.
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CONSTRUCTION NOTES:

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1988 EDITION) AND DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS UNDER THE ROAD, ALHAMBRA, CA 91803.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIV. BY TELEPHONE (818) 952-8605 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITHIN PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- WYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A 8" A.S.C.P. IS USED.
- ALL STRUCTURES 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 36 INCHES ABOVE FINISHED GRADE.
- WITHELD CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 208-8.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S-28 CASE 2 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 MAINLINE OR H.L. V.C.P. SEWER WHICH IS NOT ENCASED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-28 CASE 2 UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITHELD CLAY PIPE SHALL BE MADE WITH A RUBBER BELLEVUE JOINT TYPE "C" OR "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 208-12.
- ALL JOINTS BETWEEN CAST IRON PIPE & A 8" A.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
- SEWERS TO BE TREATED FOR LEAKAGE PER SECTION 208-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- REINFORCE ALL TRENCHES WITHIN FINED AREAS TO MEET L.A. COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- FULL COMPLIANCE WITH SECTION 106.4 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPLETION 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 EASEMENT CONSTRUCTION: IN BACKFILL TRENCH AND REPLACE OTHER BATH 30" AS TO ACHIEVE THE NATURAL OR FINISHED GRADE AND BLDG'S SHOWN ON THE GRADING PLAN APPROVED FOR THE DEVELOPMENT BY THE L.A. AND DEVELOPMENT DIVISION. IN ALL BACKFILL AND BATHS REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A S.T.M. METHOD OF TEST D951 577 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIV. PUBLIC WORKS DEPT.

DOUBLE SCALE

LA MESITA DRIVE EXTENSION
 PRIVATE CONTRACT NO. 11013
 INDEX U-112
 1 SHEET 2 PAGES

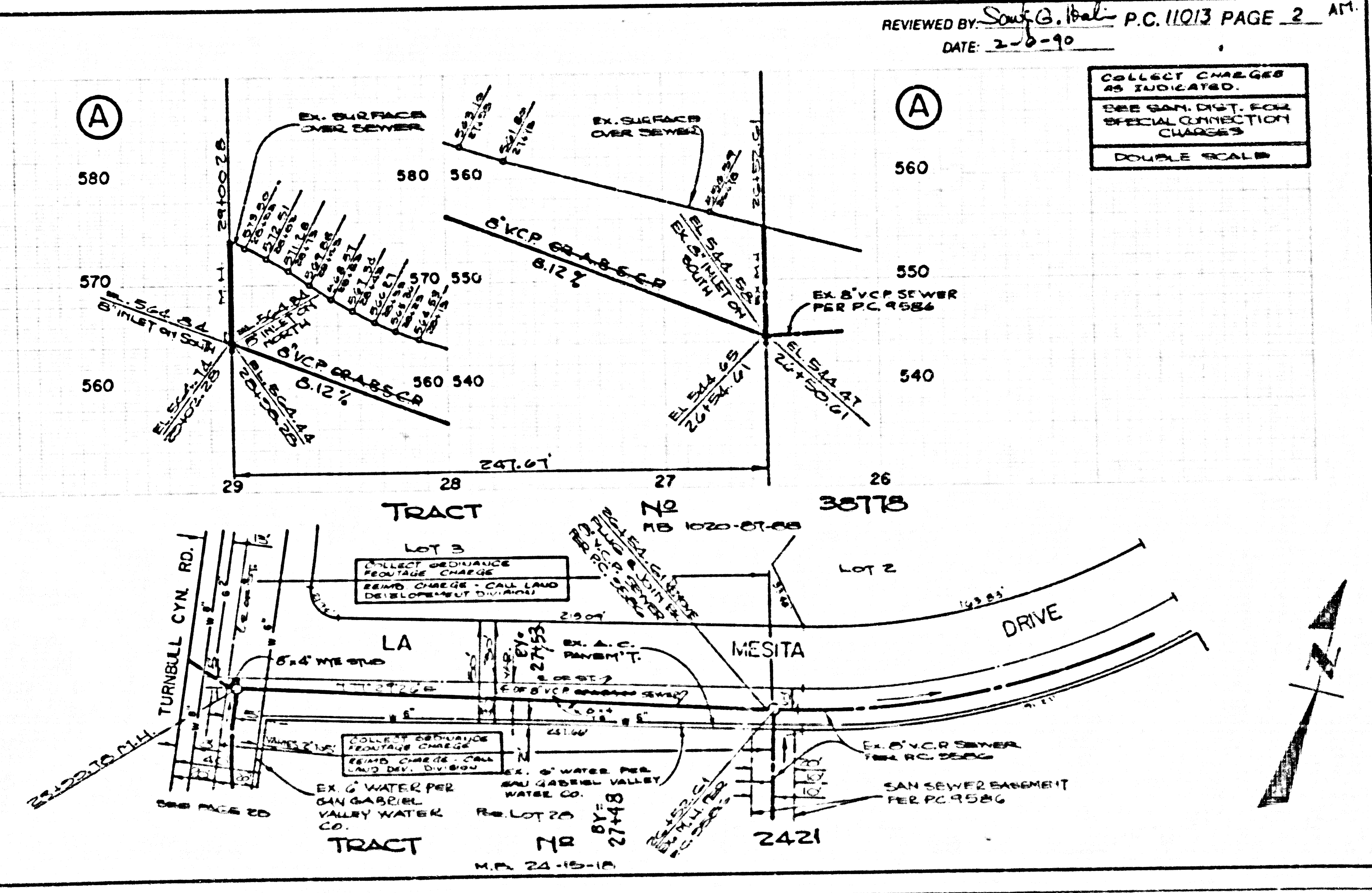
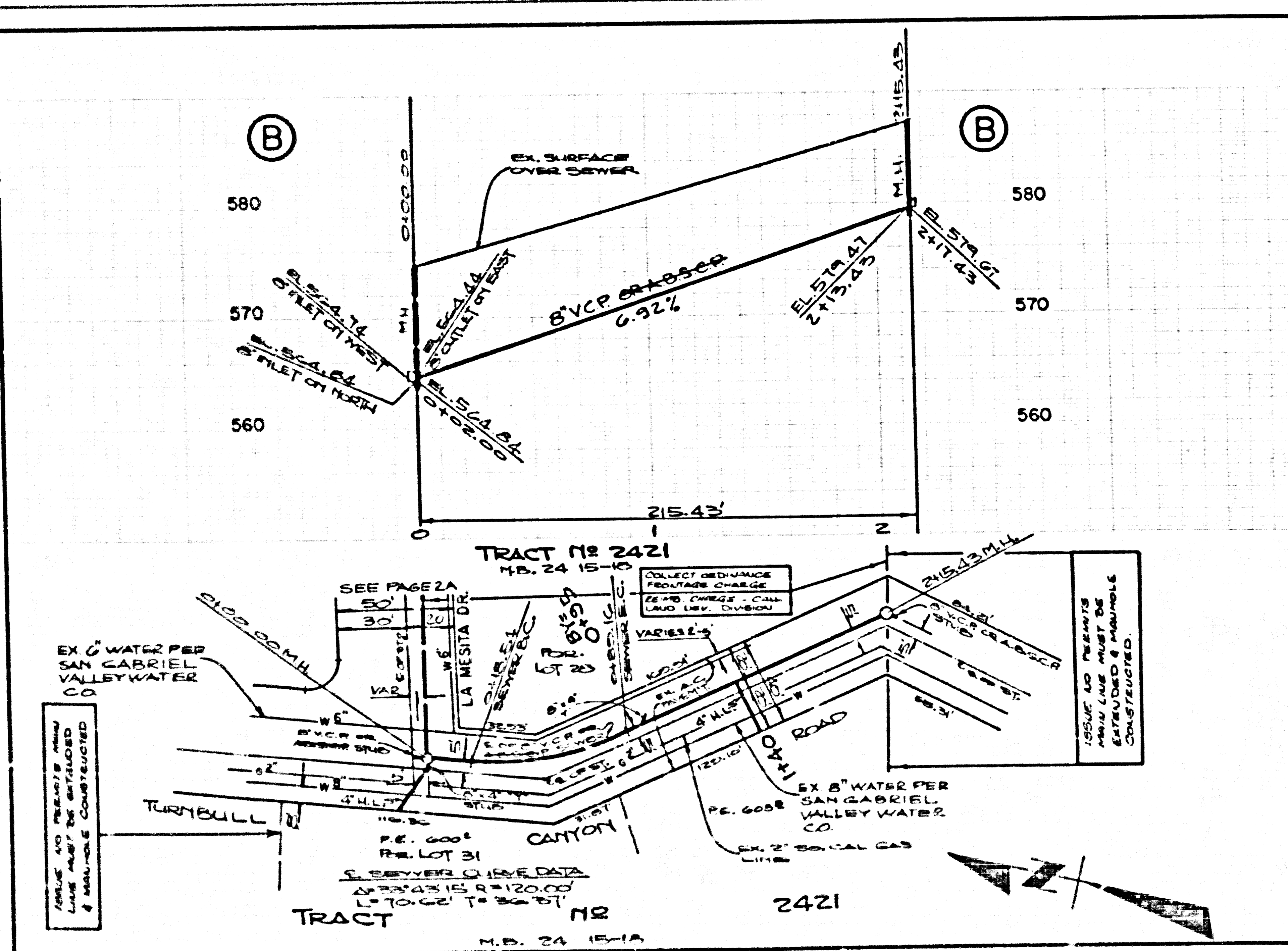
SCALE: VERT. 1" = 4'
 HORIZ. 1" = 40'
 JULY, 1989
 PREPARED IN THE OFFICES OF
 W. R. LIND
 44 SOUTH CHESTER AVENUE
 PASADENA, CA 91106
 BY: *Wesley R. Lind*
 WESLEY R. LIND REG. C.E. 16782



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	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
BRICK SEWER MANHOLE	S-3
STANDARD MANHOLE STEP	S-4
RECORDS FOR SEWER PIPE	S-5
CRACKING AND ENCASING	S-6
WYE OR TEE SUPPORT	S-7
ALLOWABLE TRENCH WIDTHS	S-8
LOADING MANHOLE FRAME AND COVER	S-9
NON-REINFORCED PRECAST CONCRETE SEWER MANHOLE	S-10

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: *Thomas A. Tidemanson* 2/1/90
 CHECKED: *Jermol Chisina* 2/1/90
 REG. C.E. NO. 12116
 CHARLES W. CARRY, CHIEF ENGINEER
 SAN. DIST. NO. 13
 APPROVED: *Charles W. Carry* 2/1/90
 DATE: 2/1/90
 LA PUENTE BLDG. DIST. 200.



REVIEWED BY: *South G. Hall* P.C. 11013 PAGE 2
 DATE: 2-8-90

COLLECT CHARGES AS INDICATED.
 SEE SAN. DIST. FOR SPECIAL CONNECTION CHARGES.
 DOUBLE SCALE

P.C. 11013

LA MESITA DRIVE EXTENSION