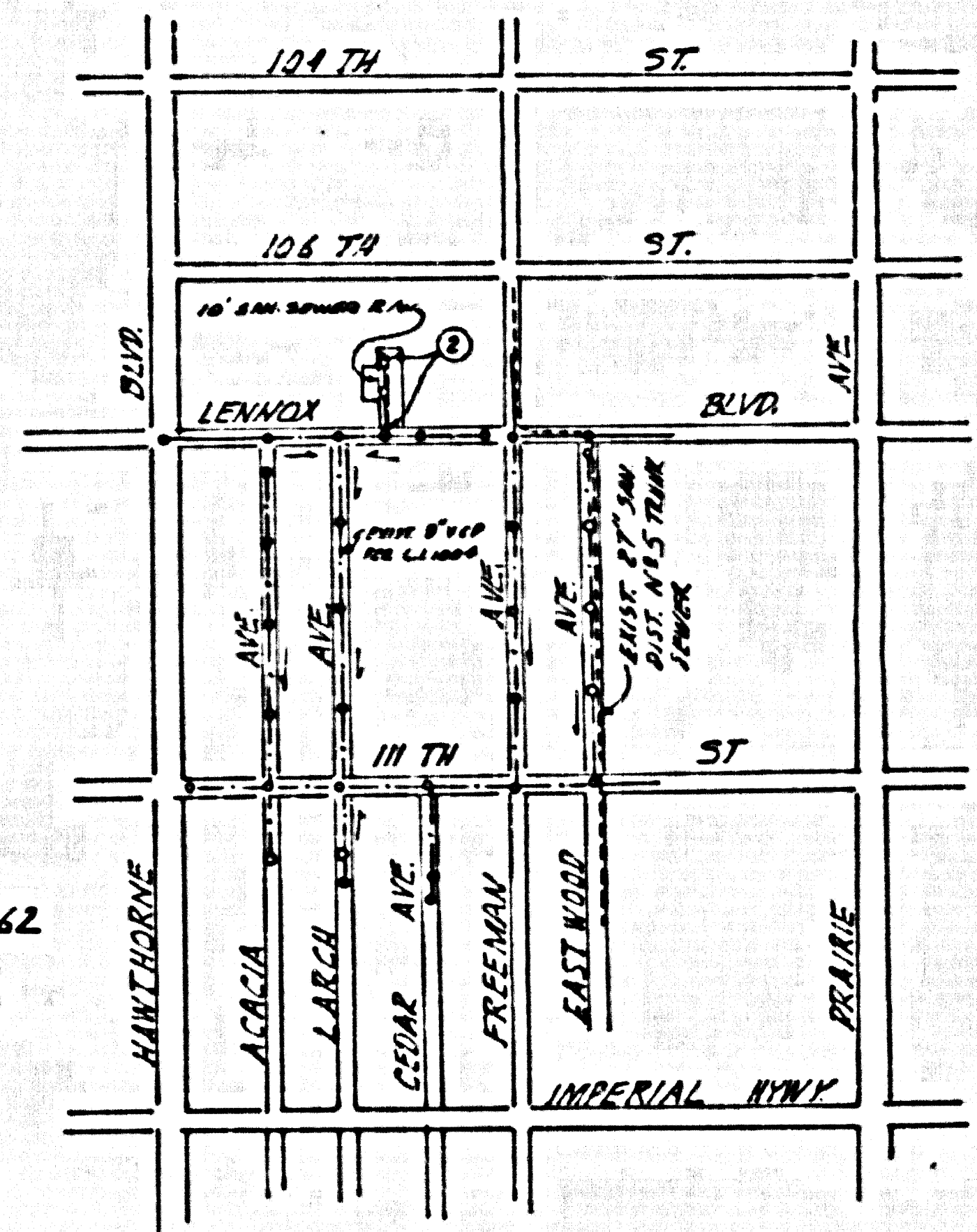


B.M. CY 888 ELEV. 62.325
 RANJET EAST CURB HAWTHORNE BLVD.
 48 FT NORTH B.C.R. AT NORTHEAST CORNER
 IMPERIAL HWY 71.5 FT NORTH AND
 80 FT EAST CENTERLINE INTERSECTION
 HAWTHORNE QUAD. 19 82.



INDEX MAP
 P.C. 11155 TR. NO. 48962
 SCALE 1"=500'
 THOMAS GUIDE PG. 57-A4

NOTE:
 NUMBER IN CIRCLE
 INDICATES PAGE 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 (213) 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

GENERAL NOTES:

- A SEWER CONNECTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE DEPARTMENT OF PUBLIC WORKS AT THE PERMIT OFFICE AND 50% OF THE FEE FOR RECORD PLANS AT THE COUNTY ENGINEER'S OFFICE PRIOR TO STARTING WORK UNDER THIS CONTRACT. LISTS OF ALL OTHER REQUIRED PERMITS, SUCH AS ROAD EXCAVATION, UTILITIES, ETC., SHALL BE FILED WITH THE PERMIT APPLICATION.
- 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 LIABILITY INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS IN ACCORDANCE WITH THE REQUIREMENTS AS NOTICED IN DATE PRIOR TO CANCELLATION OF PERMIT.
- IF WORK IS TO BE DONE IN A STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS AND SOUTH BURNING STREET, LOS ANGELES, CALIFORNIA.
- WHEN WORK IS WITHIN A CONTRACT CITY, THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO DETERMINE THE LOCATION TO PAY THE INSPECTION FEE.
- THE CONTRACTOR SHALL CONTACT THE COUNTY ENGINEER OFFICE FOR THE APPLICATION FOR CONSTRUCTION PERMIT, TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE AND SHALL NOTIFY THE COUNTY ENGINEER DIVISION BY TELEPHONE (213) 638-1161 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, INCLUDING SUPPLEMENTS AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS, BOTH PART 51.00 AND 51.01, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS PERSONNEL.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 51.01 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY CONES AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD 5-2.
- EXCAVATIONS ARE TO BE KEPT OPEN UNLESS A 6 IN. DIA. DIA. SIGN IS USED.
- NO EXCAVATIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
- NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- SHOULDER TO MATCH THE EXISTING AT 18 IN. TO BE CONSTRUCTED AND SHOWN ON PLANS AND PROFILES. SHOULDER POINTS FOR TOP OF CURBS, EXISTING OR NEW, SHALL BE SET BY THE CONTRACTOR AND CHECKED BY THE COUNTY ENGINEER AT ALL POINTS BETWEEN SEWER MANHOLE POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A SMOOTH LINE SHOWN BETWEEN SAID SEWER MANHOLE POINTS.
- THE SEWER MANHOLE SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH THE SEWER MANHOLE AND EXHAUSTION FOR ALL SEWERS. MANHOLE AND 24" DIA. MANHOLE SHALL BE PROVIDED FOR THE 18" DIA. SEWER LOCATIONS WITH STANDARD PLANS, EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT BE LESS THAN 18" DIA. UNLESS OTHERWISE SPECIFIED BY THE PLAN. THE SEWER MANHOLE SHALL BE PROVIDED BY THE CONTRACTOR.
- THE SEWER MANHOLE SHALL FURNISH THE HOUSE LATERAL, BOTH AT THE PROPERTY LINE AND AT THE TOP CURB. EXHAUSTION FOR EACH HOUSE LATERAL ON THE SEWER SHEET.

CONSTRUCTION NOTES:

- PROTECT EXISTING UTILITIES AND PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE OF THE CURB OR SIDE OF ROAD MANHOLE.
- STRENGTHEN CLAY PIPE JOINTS SHALL BE 75% OF 10" DIA. FOR STANDARD SPECIFICATIONS SECTION 500-2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER STANDARD PLAN 504. CASE A TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- ALL JOINTS BETWEEN CLAY PIPE AND STRENGTHEN CLAY PIPE SHALL BE MADE WITH A RUBBER GASKET JOINT. PIPE JOINTS SHOWN IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 500-2.
- HOUSE LATERALS TO BE DEMONSTRATED WITH EXPOSURE AT THE PROPERTY LINE & THEY SHALL BE CASED UNDER EXISTING AS SHOWN.
- IF THE EXISTING SEWER IS TO BE USED FOR CONNECTIONS TO NEW SEWERS SHOWN AS SHOWN.
- IF IT IS FOUND THE COURSE OF CONSTRUCTION IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A SEWER OR HOUSE LATERAL 18" DIA. WHICH IS NOT NOTICED ON THE PLANS, THE PIPE SHALL BE ENCASED PER STANDARD PLAN 504. CASE B UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- ALL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 500-2 UNLESS OTHERWISE SPECIFIED BY THE PLANS.
- REINFORCE ALL EXISTING STRUCTURES TO MEET LOS ANGELES COUNTY PUBLIC WORKS CONSTRUCTION STANDARDS UNLESS OTHERWISE SPECIFIED BY THE PLANS.
- FULL COMPLIANCE WITH SECTION 500-2 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR MANHOLE, EXHAUSTION, POINTS OF MANHOLE CONNECTION AND HOUSE LATERALS TO BE CONSTRUCTED BY THE CONTRACTOR.
- ALL MANHOLE AND ALL OUTLET OF STREET RIGHT OF WAY SHALL BE CONSTRUCTED TO TOP OF MANHOLE IDENTIFY AS DETERMINED BY THE SOIL CONNECTION TEST. 2" DIA. TO BE PROVIDED UNLESS OTHERWISE SPECIFIED. THIS SHALL BE CERTIFIED BY A QUALIFIED CIVIL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
- MANHOLE TOPS TO BE CONSTRUCTED TO TOP OF MANHOLE UNLESS OTHERWISE SPECIFIED.
- ALL MANHOLE TOPS TO BE CONSTRUCTED TO TOP OF MANHOLE UNLESS OTHERWISE SPECIFIED.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 500-1 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS
 TO BE CONSTRUCTED IN

TRACT NO. 48962
 PRIVATE CONTRACT NO. 11155
 INDEX 1591
 1 SHEET ; 2 PAGES

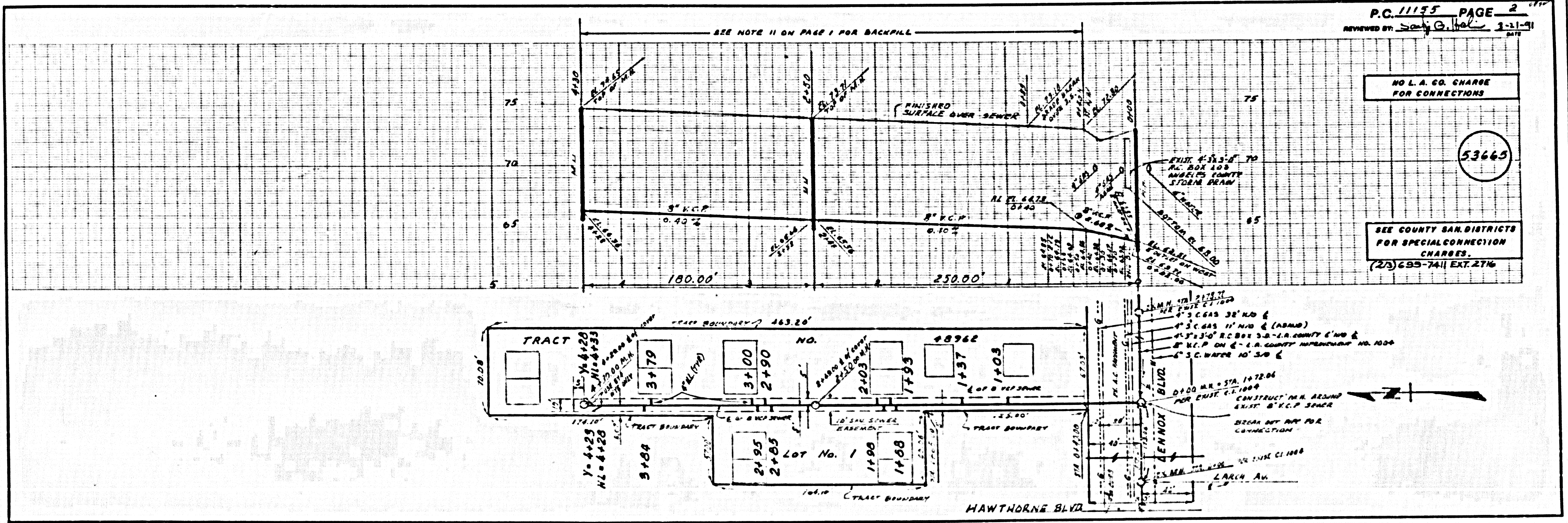
SCALE: HORIZ. 1"=40' VERT. 1"=4'
 1990

PREPARED IN THE OFFICES OF
 CHARLES W. CARRY
 CIVIL ENGINEER
 P.O. BOX 3187 REDONDO BEACH, CA. 90277
 TEL. NO. 424-379-4371
 BY: *Thomas H. Crawford*
 REG. CE NO. 24525 EXP. 12-31-93

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

LEAKAGE	5-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	5-2
BRICK MANHOLE	5-3
REINFORCED PRECAST CONCRETE MANHOLE	5-4
STANDARD MANHOLE 5100	5-5
SEWERS FOR SEWER PIPE	5-6
CHANGES AND REVISIONS	5-7
SIZE OF THE SUPPORT	5-8
ALLOWABLE FRICTION LOSS	5-9
LOADING MANHOLE FRAME AND COVER	5-10
NON-REINFORCED PRECAST CONCRETE MANHOLE	5-11

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS H. CRAWFORD
 DIRECTOR OF PUBLIC WORKS
 APPROVED: *Thomas H. Crawford* 4/8/91
 CHECKED: *Thomas H. Crawford* 4/8/91
 REG. CE NO. 24525
 LENOX BLDG. DIST. 7



P.C. 11155 PAGE 2
 REVISED BY: *Tom H. Crawford* 2-11-91

NO L.A. CO. CHARGE FOR CONNECTIONS

SEE COUNTY SAN. DISTRICTS FOR SPECIAL CONNECTION CHARGES.
 (27) 685-741 EXT. 274