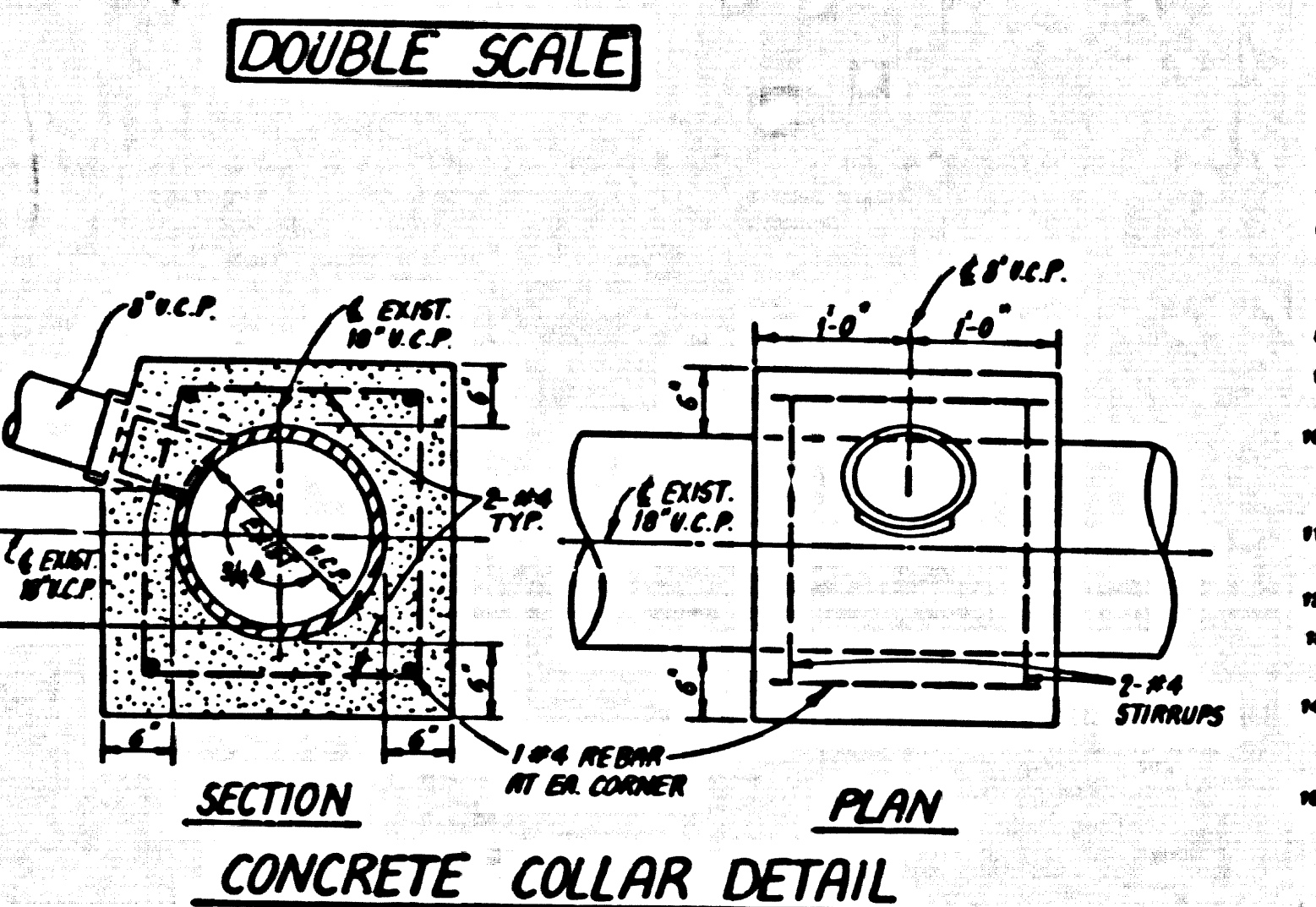


**CONTRACTORS NOTE:**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURE SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR IS RESPONSIBLE TO TAKE PRECAUTIONARY MEASURES TO PROTECT UTILITY LINES SHOWN AND OTHER LINES NOT OF RECORD OR NOT KNOWN ON THESE PLANS. 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 BEGINNING WORK OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

**CONSTRUCTION NOTES CONT'D.**  
 14. WYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWER IF A.B.S.C.P. IS USED.  
 15. ALL JOINTS BETWEEN CAST IRON PIPE AND A.B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.  
 16. FULL COMPLIANCE WITH PART II OF THE SPECIAL PROVISIONS IS REQUIRED FOR INSTALLATION OF A.B.S. COMPOSITE PIPE.  
 17. MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.  
 18. A.B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTION TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.  
 19. A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION 8-3.1 OF THE SPECIAL PROVISIONS.  
 20. 3-DEGREE DEFLECTION COUPLERS SHALL BE USED TO ACCOMPLISH RADIUS OF CURVATURE LESS THAN 380'.



**REVISION NO. 1**  
 PAGE 28 OF PAGE 30  
 REVISED SAN. SEWER EASEMENT LOCATION  
 APPROVED BY: *Saufer G. Balci* 7/1/16  
 DEPT. OF PUBLIC WORKS

**GENERAL NOTES:**  
 1. ELEVATIONS ARE IN FEET ABOVE SEA LEVEL. 8.8' MEAN LEVEL DATUM OF 1985.  
 2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.  
 3. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL 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 CURVE, CENTER LINE OF STREETS OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PLANS AT ALL POINTS BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED AS TO CONFORM TO A TANGENT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.  
 5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 12" OR 14" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CURBS 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 CURB 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 DIGGATE IN COUNTY STREETS FROM THE ROAD ELEMENT OF THE LOS ANGELES DEPARTMENT OF PUBLIC WORKS, DISTRICT OFFICE NO. 1000 AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 888 S. WENOMONT AVE., LOS ANGELES, CALIFORNIA 90005. TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.  
 8. WORK IS TO BE DONE IN A STATE HIGHWAY. A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH BRIDGE 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 PHASES.  
 10. REFER TO SECTION 7.18.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.  
 11. PRIOR TO THE BEGINNING OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO DIGGATE IN COUNTY STREETS FROM THE ROAD ELEMENT AT THE DEPARTMENT OF PUBLIC WORKS, A PERMIT FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND CERTIFICATION OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 888 S. WENOMONT AVE., LOS ANGELES, CALIFORNIA 90005. ROOM 516, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED IN ADVANCE PRIOR TO CANCELLATION OF POLICY.

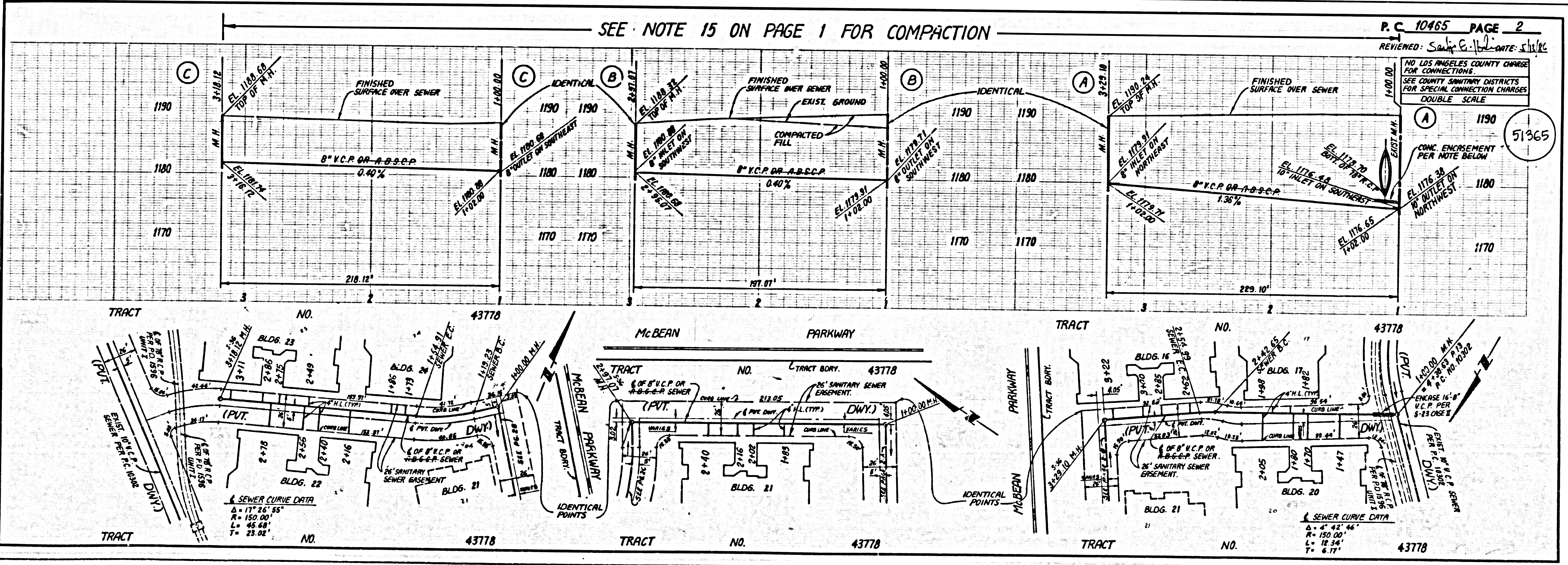
**CONSTRUCTION NOTES:**  
 1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 11988 EDITION WITH THE SPECIAL PROVISIONS AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWER DATED 11/15/16. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE 899-8881 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.  
 2. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED.  
 3. WYE OR THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.  
 4. ALL STRUCTURES SHALL BE EITHER BRICK, BRICK ANNULES PER 8-3 OR PRECAST CONCRETE SEWER ANNULES PER 8-36.  
 5. PROVIDE STAKES ON THE PROPERTY LINES OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.  
 6. MANHOLE TOPS IN UNIMPROVED PORTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.  
 7. WITHIN CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 700-2.  
 8. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 8-23 CASE II TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.  
 9. 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 HOUSE LATERAL 12" OR 14" SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 8-23 CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.  
 10. ALL JOINTS BETWEEN CAST IRON PIPE AND WITHIN CLAY PIPE SHALL BE MADE WITH A RUBBER JOINT, TYPE "D" OR "E", WITH RUBBER GASKETS PER STANDARD SPECIFICATIONS, SECTION 804-2.  
 11. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.  
 12. REBURIED ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.  
 13. FULL COMPLIANCE WITH SECTION 308-1.3.8 OF THE SPECIAL PROVISIONS SHALL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.  
 14. SPECIAL BACKFILL IN EASEMENT CONSTRUCTION (IN 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 OR ALL BACKFILL AND EARTH WORK SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST D1557 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION.

PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS**  
 TO BE CONSTRUCTED IN  
 TRACT NO. 43778  
**PRIVATE CONTRACT NO. 10465**  
 3 SHEETS, 5 PAGES  
 SCALE: HORIZ. 1" = 40'  
 VERT. 1" = 4'  
 17 MARCH, 1986  
 PREPARED IN THE OFFICES OF:  
 SHAW ENGINEERING ASSOCIATES  
 1520 BURBANK BLVD., 14TH FLOOR  
 CALIFORNIA 94111 (415) 787-8550  
 BY: *N. G. Clark*  
 REG. C.E. NO. 21873

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:

LEAKAGE	8-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	8-2
BRICK SEWER ANNULES	8-3
STANDARD MANHOLE STEP	8-17
BRICK FOR SEWER PIPE	8-21
CADLING AND ENCASUREMENT	8-22
WYE ON THE SUPPORT	8-26
ALLOWABLE TRENCH WIDTHS	8-28
LOCKING MANHOLE FRAME AND COVER	8-30
NON-REINFORCED PRECAST CONCRETE SEWER ANNULES	8-36

APPROVED: *Thomas A. Chidambaram* 5/1/16 (DATE)  
 DIRECTOR OF PUBLIC WORKS  
 APPROVED: *Charles W. Carry* 5/1/16 (DATE)  
 CHIEF ENGINEER  
 CHECKED: *J. G. Clark* 5/1/16 (DATE)  
 REG. C.E. NO. 16244  
 SANTA CLARITA BLDG. DIST. 8.2



P.C. 10465 PAGE 2  
 REVISION: *Saufer G. Balci* DATE: 5/1/16  
 NO LOS ANGELES COUNTY CHARGE FOR CONNECTIONS.  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES.  
 DOUBLE SCALE  
 CONC. ENCLOSURE PER NOTE BELOW

LA COUNTY ENGINE SHEET NO. 1  
 S.M.A. 0110-000-040  
 DATE: 5/1/16

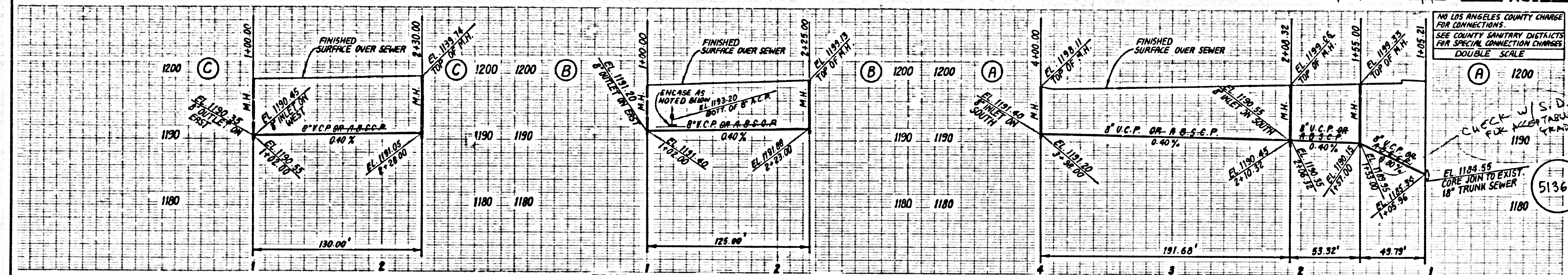
51365

51364  
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 87524 ON TRACT



SEE NOTE 15 ON PAGE 1 FOR COMPACTION

REVIEWED: *Samy G. H. DATE: 1/10/88 P.C. 10465 PAGE 5*

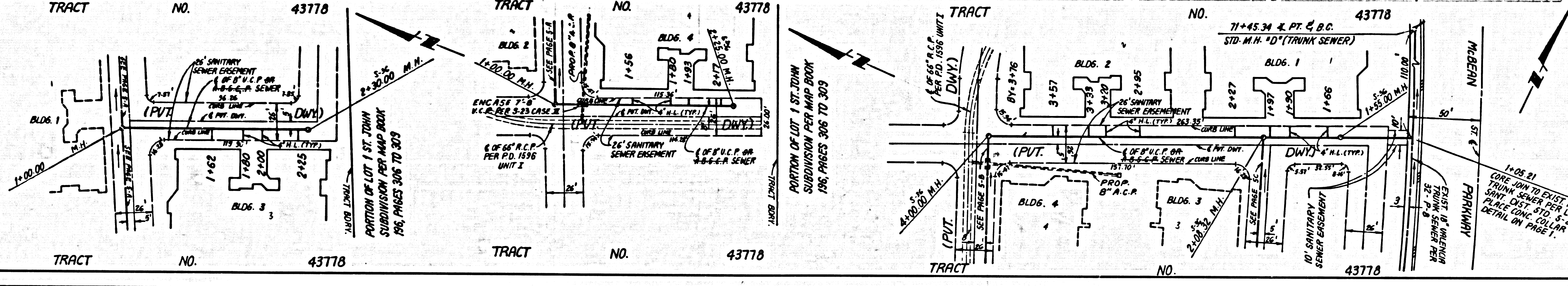


NO LOS ANGELES COUNTY CHARGE FOR CONNECTIONS  
 SEE COUNTY SANITARY DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 DOUBLE SCALE

51368

CHECK W/S.D. FOR ALLOWABLE GRADE

EL. 1184.55  
 CORE JOIN TO EXIST. 18" TRUNK SEWER



8765 ON TRACT

PAGE



