

B.M. CG 4546 ELEV. 292.381
 LET CONC CR 18FT W/O BCR 40FT 5/10 C/L VALLEY
 BLDG & ROFT W/O C/L 2ND AVE
PUNTE QUAD 1980

CONSTRUCTION NOTES:

- ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D". (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS SECTION 209.2
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306.1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS
- 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 EQUIVALENT 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: (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADE AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION. (B) ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A 5" W. STD. METHOD OF TEST D698 SBT AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION-PUBLIC WORKS DEPARTMENT
- FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A B S COMPOSITE PIPE
- MANHOLE WATER STOP BASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A B S COMPOSITE PIPE TO MANHOLE STRUCTURES
- A B S SOLID WALL PIPE MUST BE USED FOR VYE AND HOUSE LATERAL CONNECTIONS TO A B S COMPOSITE MAINLINE SEWER PIPE
- A B S COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION 8.3.1 OF PART IV OF THE SPECIAL PROVISIONS
- THREE DEGREE DEFLECTION COEFFICIENTS ARE REQUIRED FOR RADIUS OF CURVATURE LESS THAN 300'. WHEN USING A B S COMPOSITE PIPE
- NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTES IS ALLOWED IF A B S COMPOSITE PIPE IS USED
- SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY WALLING OF JOINTS OR BEVELING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A B S COMPOSITE PIPE
- ALL VYES AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE
- A B S SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER
- ONLY VYE BRANCHES ARE TO BE USED FOR CONNECTION TO A B S COMPOSITE MAINLINE SEWER PIPES

INDEX MAP
 TRACT NO. 46318
 P.C. NO. 10926
 SCALE 1" = 400'

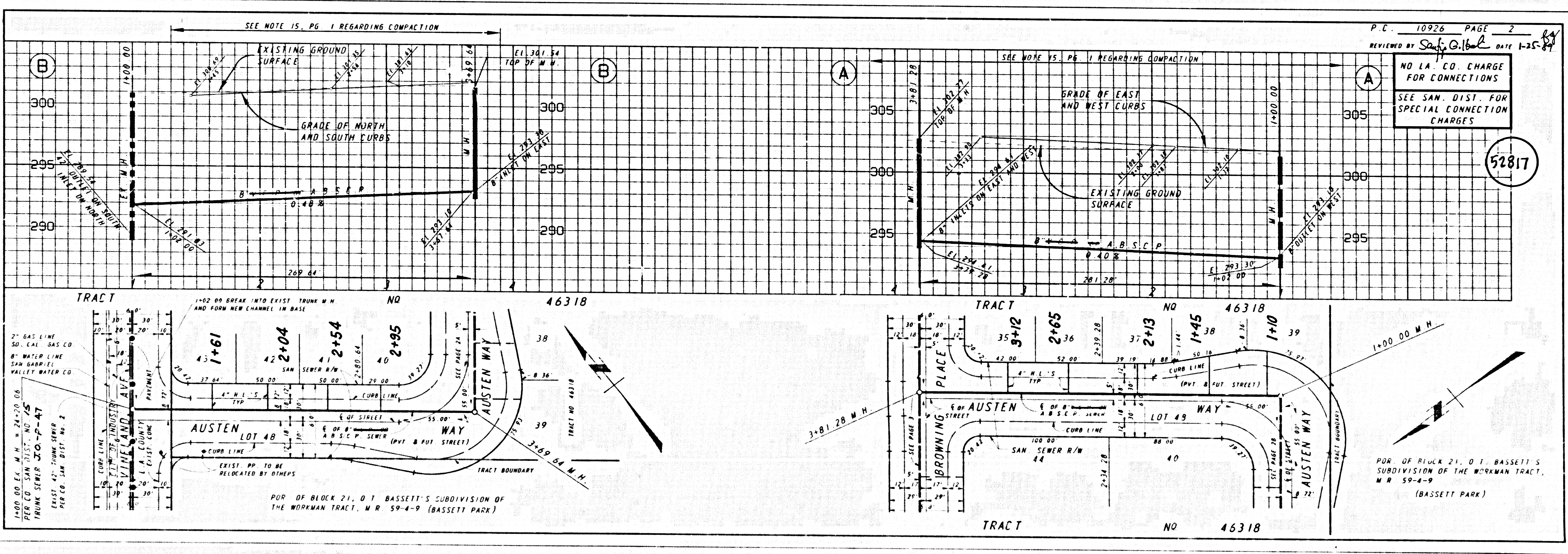
GENERAL NOTES:

- 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 WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK
- GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE TO BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS
- THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING NO. FOR ALL HOUSE LATERALS AND "Y" OR "T" BRANCHES AND SHALL PROVIDE STAKES FOR CONSTRUCTION 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 DEGREES WITH THE MAIN LINE 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 THE 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 L.A. COUNTY DEPARTMENT OF PUBLIC WORKS DISTRICT OFFICE NO. 5, AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 900 SOUTH FREMONT AVENUE, ALHAMBRA, CA 91803. 8TH FLOOR TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS. CALIFORNIA DIVISION OF HIGHWAYS, 140 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 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 7 TO 4 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS
- PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONNECTIONS PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COUNTY DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKER'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 900 SOUTH FREMONT AVE., ALHAMBRA, CALIFORNIA 91803, 8TH FLOOR NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY

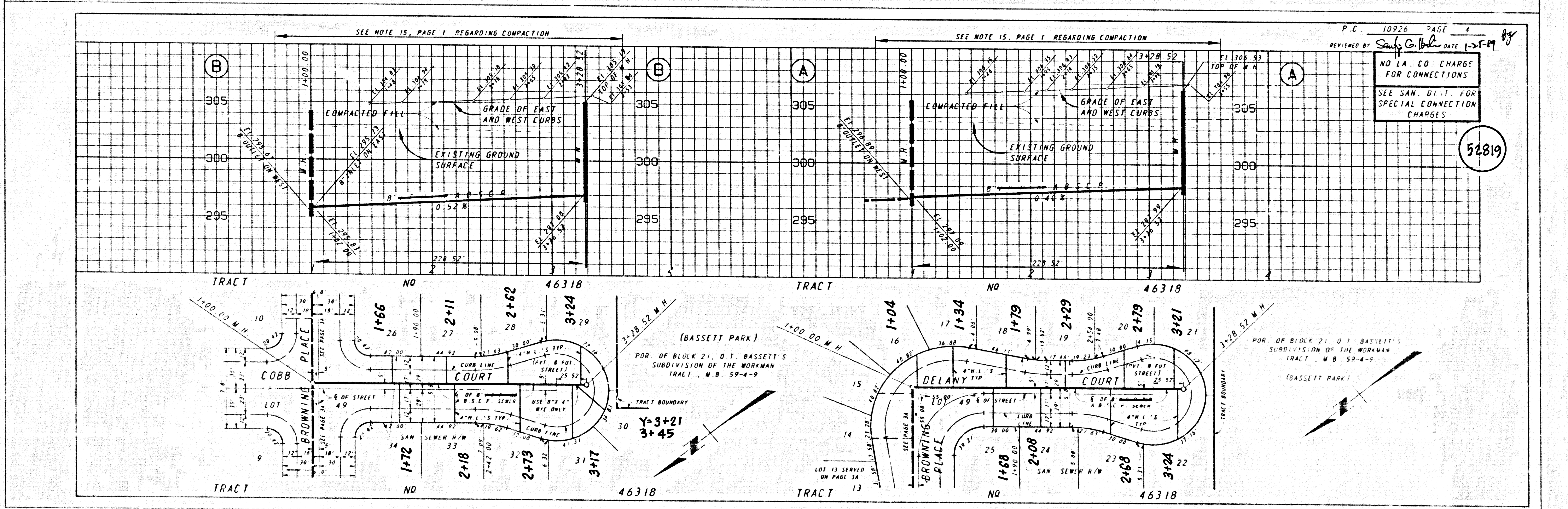
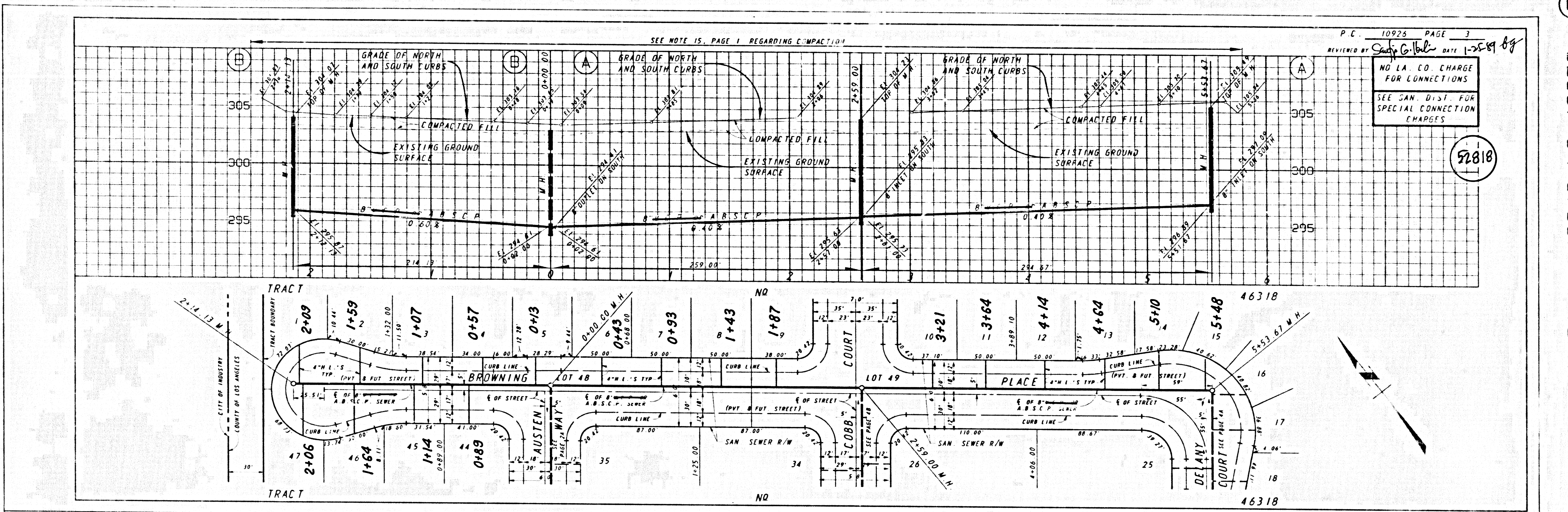
CONSTRUCTION NOTES:

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1988 EDITION) & DEPARTMENT OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1978 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DIRECTOR OF PUBLIC WORKS
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (818)458-3129 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
- VYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED
- ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER 5-3 OR PRE-CAST CONCRETE MANHOLES AS PER 5-36, EXCEPT AS NOTED
- PROVIDE 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
- VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "B" PER STANDARD SPECIFICATIONS SECTION 209.2
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 5-23 CASE III. 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 INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 5-23 CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS

PROFILE, ALIGNMENT AND GRADE OF PAGE 1
SANITARY SEWERS
 TO BE CONSTRUCTED IN
TRACT NO. 46318
PRIVATE CONTRACT NO. 10926
 INDEX U-46
 2 SHEETS, 4 PAGES (52816)
 SCALE: VERT. 1" = 4' AUGUST 3, 1988
 HORIZ. 1" = 40'
 PREPARED IN THE OFFICES OF
ENGINEERING SERVICE CORPORATION
 6077 BRISTOL PARKWAY, FOX HILLS BUSINESS PARK
 CULVER CITY, CALIF. 90230 TELEPHONE (213)417-7000
 BY: *J.R. Williams*
 REG. C.E. NO. 13095
 THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:
 LEGEND 5-1
 MINIMUM PUBLIC SAFETY REQUIREMENTS 5-2
 BRICK MANHOLE 5-3
 STANDARD MANHOLE STEP 5-17
 BEDDING FOR SEWER PIPE 5-21
 CRADLING AND ENCASEMENT 5-23
 VYE OR TEE SUPPORT 5-26
 ALLOWABLE TRENCH WIDTHS 5-33
 LOCKING MANHOLE FRAME AND COVER 5-35
 NON-REINFORCED PRECAST CONCRETE MANHOLE 5-36
 IN ADDITION, THE FOLLOWING COUNTY SANITATION DISTRICT STANDARD SHALL APPLY:
 STD. MANHOLE TYPE "D" 5-8-204
 STD. 24" MANHOLE FRAME & COVERS 5-8-207
 COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. HEDENSON, DIRECTOR OF PUBLIC WORKS
 CHARLES V. CARRY, CHIEF ENGINEER
 CO. SAN. DIST. NO. 2
 APPROVED *Dan Epstein* 1-20-89 APPROVED *James L. Casey* 1-10-89
 CHECKED *James Williams* 1-20-89
 REG. C.E. NO. 18116
 LA PLUNTE BLDG. DIST. 2



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