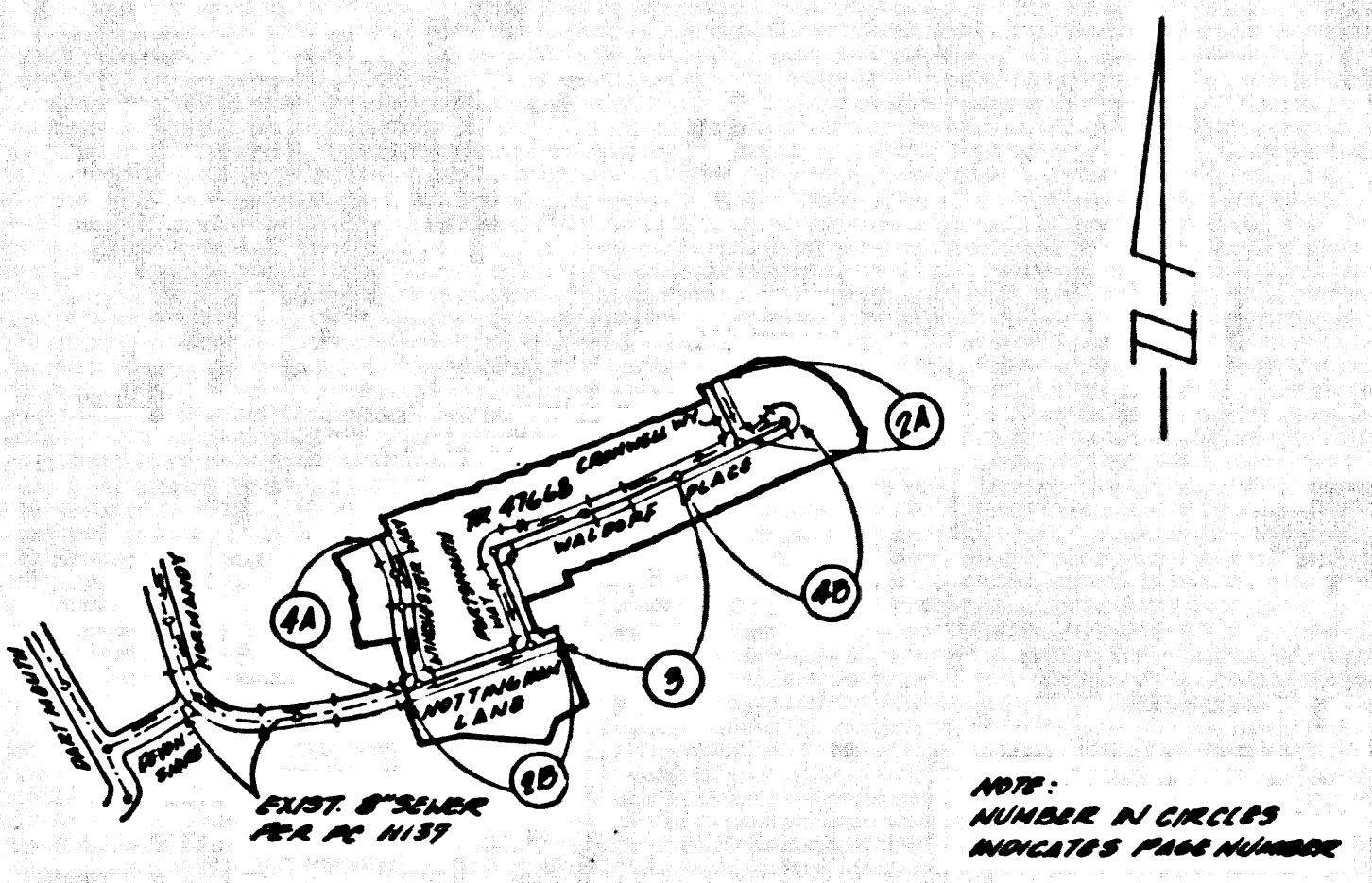


B.M. CO 4004 ELEV. 51.078
 ROAD DATE RECONSTRUCTION IN NORTH END OF A CATCH BASIN
 @ THE NORTH END OF MAINLAND WATER DISTRICT
 4.5 MILE SOUTH OF BEAUFORT RD. 1/2 MI. WEST OF THE
 CENTER OF TRAVEL OF FULLERTON ROAD.
 OTTERSON QUAD. 19 20



INDEX MAP
 P.C. 11147 TR. NO. 47668
 SCALE 1" = 600'
 T.G. 28-08

CONSTRUCTION NOTES CONT'D. DOUBLE SCALE

1. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPES.
2. MANHOLE INLET STOP SUBJECTS AND CLAMPS ARE REQUIRED FOR CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
3. A.B.S. SHIELD WALL PIPE MUST BE USED FOR THE PIPE AND MOORING LATERAL CONNECTIONS TO A.B.S. COMPOSITE MANHOLE STRUCTURE PIPE.
4. A.B.S. COMPOSITE PIPE SHALL BE SECTORED IN CONFORMANCE WITH THE TABLE IN SECTION 8-1.1 OF PART IV OF THE SPECIAL PROVISIONS.
5. THREE ORANGE CONSTRUCTION CONEPLERS ARE REQUIRED FOR EACH OF COURSEWORK LESS THAN 500 FEET AHEAD OF A.B.S. COMPOSITE PIPE.
6. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED BY A.B.S. COMPOSITE PIPE IS USED.
7. SENSITIVE AREAS REQUIRING SPECIAL HANDLING BY MEANS OF JOINTS OR BRIDGING MUST BE HANDLED WHEN USING PLASTIC PIPE INCLUDING A.B.S. COMPOSITE PIPE.
8. ALL WIRE AND/OR WIRELESS LATERALS ARE TO BE LOCATED IN LEAST FOR TEST POINT AND WIRELESS LATERALS AND GLASSER SHALL BE PART TO ANY MANHOLE.
9. A.B.S. SHIELD WALL PIPE IS NOT ACCEPTABLE FOR USE AS MANHOLE STRUCTURE.
10. ONLY WIRE BRANCHES ARE TO BE USED FOR CONNECTION TO A.B.S. COMPOSITE MANHOLE STRUCTURE 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) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

GENERAL NOTES:

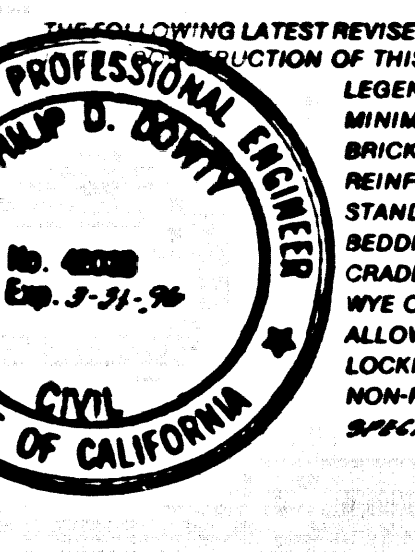
1. A SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE DEPARTMENT OF PUBLIC WORKS AT THE COUNTY COURTHOUSE 200 SOUTH PARAMOUNT AVENUE, 8TH FLOOR ALHAMBRA, AT LEAST 72 HOURS PRIOR TO STARTING WORK UNDER THIS CONTRACT. COPIES OF ALL OTHER REQUIRED PERMITS, SUCH AS ROAD OCCUPATION, CALTRANS, ETC. MUST BE FILED WITH THE PERMIT.
2. 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 WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS. THESE PERMITS AND CERTIFICATE MUST BE OBTAINED AND FILED WITH THE DEPARTMENT OF PUBLIC WORKS 30 DAYS PRIOR TO CANCELLATION OF PERMIT.
3. IF WORK IS TO BE DONE ON A STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS, 130 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
4. 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.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE LISTED ON THE APPLICATION FOR CONSTRUCTION PERMIT TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE AND SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE NUMBER 818-411-2200 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
6. APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO 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.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION", INCLUDING SUPPLEMENTS AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS, DATED JULY 31, 1988 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS PERSONNEL.
8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 1-18.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY GROUPS AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD 2.
9. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1988.
10. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
11. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
12. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF STREETS, OR CENTERLINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES AT ALL POINTS BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
13. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 12" OR 18" HOUSE LATERALS FOR 150 FEET FROM THEIR PROPER LOCATIONS WITH STATIONING AND 12" OR 18" 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 SHALL BE CONSTRUCTED AT AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
14. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.

CONSTRUCTION NOTES:

1. PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
2. WITHELD CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 300-2.
3. IF A HOUSE POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER STANDARD PLAN 5-25, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
4. ALL JOINTS BETWEEN CAST IRON PIPE AND WITHELD CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 300-2.
5. HOUSE LATERALS TO BE CONSTRUCTED WITH "12" OR 18" HOUSE LATERALS 4" OR 6" BELOW CURB GRADE EXCEPT AS NOTED.
6. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
7. DURING THE COURSE OF CONSTRUCTION IF IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAINLINE OR HOUSE LATERAL V.C.R. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER STANDARD PLAN 5-25, CASE II, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
8. ALL STRUCTURES SHALL BE EITHER BRICK OR PRECAST CONCRETE PER STANDARD PLAN 5-25 OR PRECAST CONCRETE SEWER MANHOLES PER STANDARD PLAN 5-24, OR REINFORCED PRECAST CONCRETE MANHOLE PER STANDARD PLAN 5-24, EXCEPT AS NOTED.
9. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH THE PERMITS.
10. FULL COMPLIANCE WITH SECTION 300-1.5.6 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
11. ALL BACKFILL AND FILLS OUTSIDE OF STREET RIGHT OF WAY SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 COMPACTION TEST OR BY METHOD "B" UNLESS OTHERWISE SPECIFIED. THIS SHALL BE CERTIFIED BY A QUALIFIED CIVIL ENGINEER. THIS CERTIFICATION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE DEPARTMENT.
12. MANHOLE TOPS IN IMPROVED RIGHTS OF WAY TO BE LEAVE WITH FINISHED GRADE.
13. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 300-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

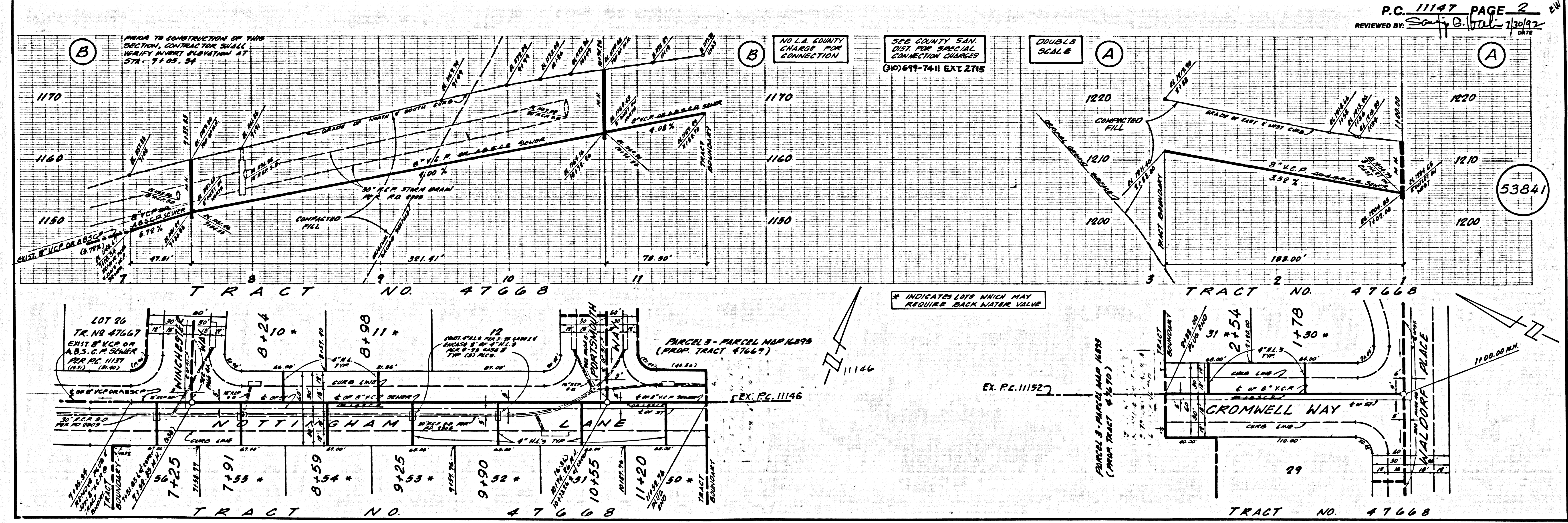
PROFILE ALIGNMENT AND GRADE OF
 SANITARY SEWERS
 TO BE CONSTRUCTED IN
 TRACT No 47668
 PRIVATE CONTRACT NO. 11147
 INDEX U-126
 2 SHEETS; 4 PAGES

SCALE: VERT. 1" = 4'
 HORIZ. 1" = 40'
 PREPARED IN THE OFFICES OF
 HUNSAKER & ASSOC. 3 HUGHES ST., IRVING, CALIFORNIA, 92718
 BY: Philip O. Dault, 10/1/80 TEL. NO. (916) 833-1010
 REG. C.E. No. 42028
 EXP. 3-31-90



LEGEND	NO.
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COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON
 DIRECTOR OF PUBLIC WORKS
 CHARLES W. CARRY
 CHIEF ENGINEER
 CO. SAN. DIST. NO. 21
 APPROVED: [Signature] 10/1/80
 APPROVED: [Signature] 10/1/80
 CHECKED: Tom H. [Signature] 10/1/80
 REG. C.E. No. 20273
 LA PUENTE BLDG. DIST. 2



1
 BC 1147 29
 BOSTON TRACT

