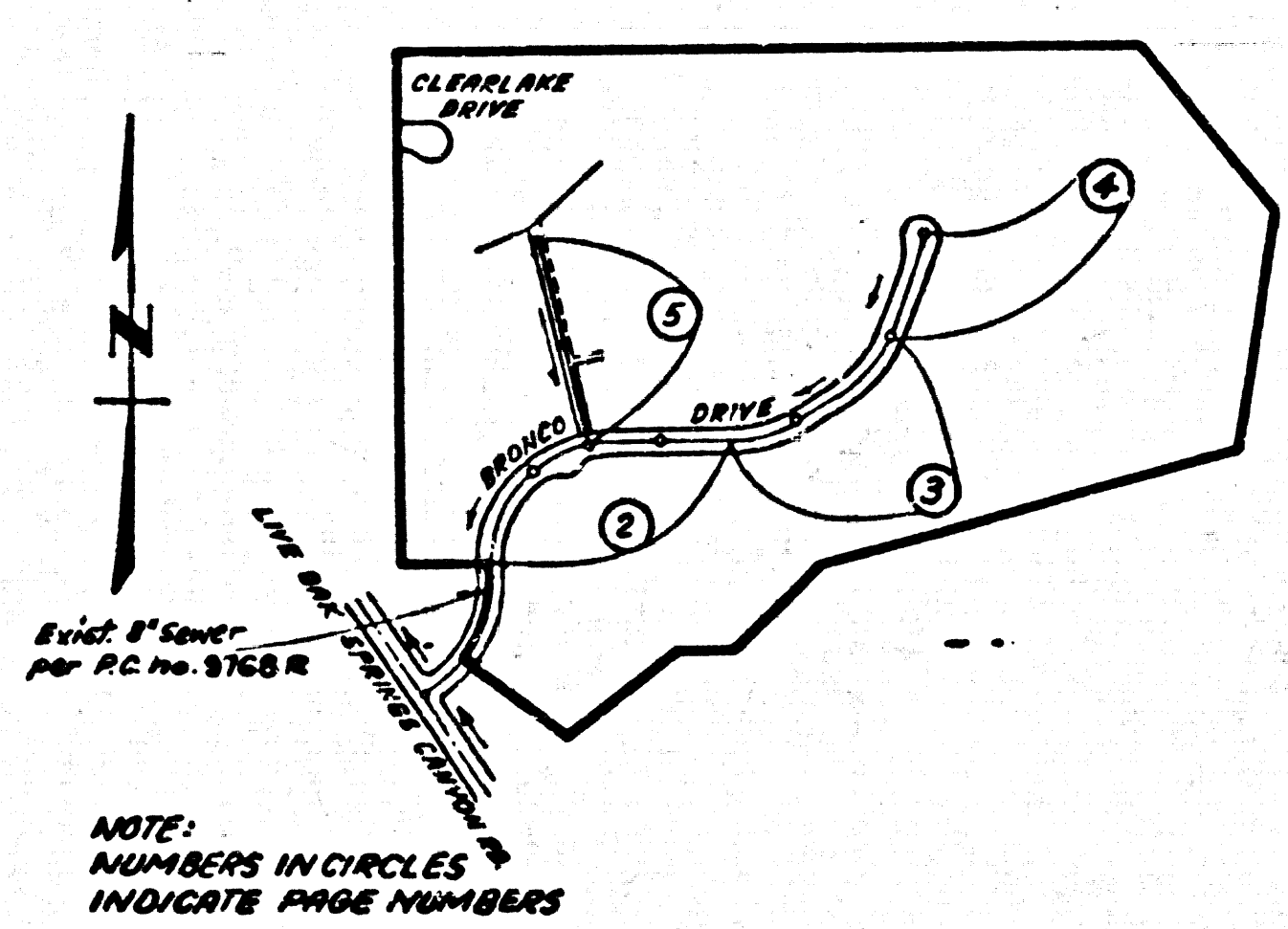


B.M. BL 1974 ELEV. 1688.905
 L+T SE COR CONC SLAB IN FRONT BLDG 87009
 SAND CANYON RD 46 FT W CL + 0.15 MI S CONDR
 RIDGE RD 43 FT SW PP x 7263 E MKD (SM)
 NEWHALL QUAD. 19 72

REVISION
 REVISION No. 1 DATE: SEPT 29, 1982
 CONSTRUCT SEWER LATERAL @ STA. 6115 TO REPLACE
 LATERAL @ STA. 6151
 RECONSTRUCT LATERAL @ STA. 6160-50
 RECONSTRUCT LATERAL @ STA. 7118
 RECONSTRUCT LATERAL @ STA. 7198
 ENLARGE 8" SEWER @ STA 5 FOR PER 3-23 CASE II
 APPROVED: [Signature] 11/1/82
 OFFICE OF THE COUNTY ENGINEER



INDEX MAP
 Scale: 1" = 800'
 P.C. No 9769
 TRACT No 37573

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTE WATER 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 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

ISSUE NO PERMITS UNTIL P.C. 9678 R TRACT No 37572 IS ACCEPTED

LOT 21 & 22 WILL BE SERVED FROM P.C. 9768 R

- CONSTRUCTION NOTES (CONT.):
15. WIRE BRACKETS ONLY MAY BE USED FOR CONNECTION TO MAIN LINE SEWER IF A B.S.C.P. IS USED.
 16. ALL JOINTS BETWEEN CHUTE IRON PIPE AND A.B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
 17. FULL COMPLIANCE WITH PART 12 OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A B.S. COMPOSITE AND A B.S. SOLID WALL JOINT LATERALS.
 18. MINIMUM WATER STOP PROTECTS AND CLAMPING ARE REQUIRED FOR THE CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
 19. A.B.S. SOLID WALL PIPE MUST BE USED FOR PIPE AND HOSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MANHOLE SENIOR PIPE.
 20. 4-DIGIT DUCTILE COUPLERS SHOULD BE USED TO COMPLY WITH RULES OF CONFORMANCE LATER THAN 2001.
 21. ALL A.B.S. COMPOSITE PIPE SHALL BE INSTALLED IN CONFORMANCE WITH THE TABLE IN SECTION 12.01 OF THE SPECIAL PROVISIONS.
 22. SPECIAL BACKFILL IN EGRESSANT CONSTRUCTION:
 a. BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE EGRESSANT PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION.
 b. ALL BACKFILL AND BIRTH REPAIRS SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STANDARD METHOD OF TEST DEM-157 AS MODIFIED, ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE ENVIRONMENTAL DEVELOPMENT DIVISION.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR
 The existence and location of any underground utility pipes or structures shown on these plans are obtained by a search of the available records. To the best of our knowledge there are no existing utilities except as shown on this map. The Contractor is required to take precautionary measures to protect the utility lines shown and any other lines not of record or not shown on this drawing.

- GENERAL NOTES: DOUBLE SCALE
1. REVISIONS ARE IN PENCIL ABOVE U.L.C. & D.S. SEA LEVEL DATUM OF 1988.
 2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 3. NO DIMENSIONS OF THE COUNTY ENGINEER WILL BE SHOWN ON 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 CURB, CENTER LINE OF 12" DIA. OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED GRADE POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE BEYOND DESIGNATED POINTS.
 5. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "T" OR "Y" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED AT RIGHT ANGLES TO THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS 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 STAKES 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 EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT., DISTRICT OFFICE NO. 4, AND A PERMIT TO THE COUNTY ENGINEER, 850 SOUTH HOODMAN, ROOM 402, LOS ANGELES, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
 8. IF WORK IS TO BE DONE IN A STREET, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 138 SOUTH SPRING 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 THE PROJECT. THIS NOTE APPLIES TO ALL PAGES.
 10. REFER TO SECTION 7.1.4.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
 11. PRIOR TO THE BEGINNING OF THE REQUIRED GRADE CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN THE COUNTY STREETS FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY, AND A CERTIFICATE OF INDUSTRIAL COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER, 850 SOUTH HOODMAN, ROOM 402, LOS ANGELES, CALIFORNIA, ISSUED AS THE CERTIFICATE HOLDER, TO BE INSTALLED SO SOON AS POSSIBLE PRIOR TO COMMENCEMENT OF WORK.

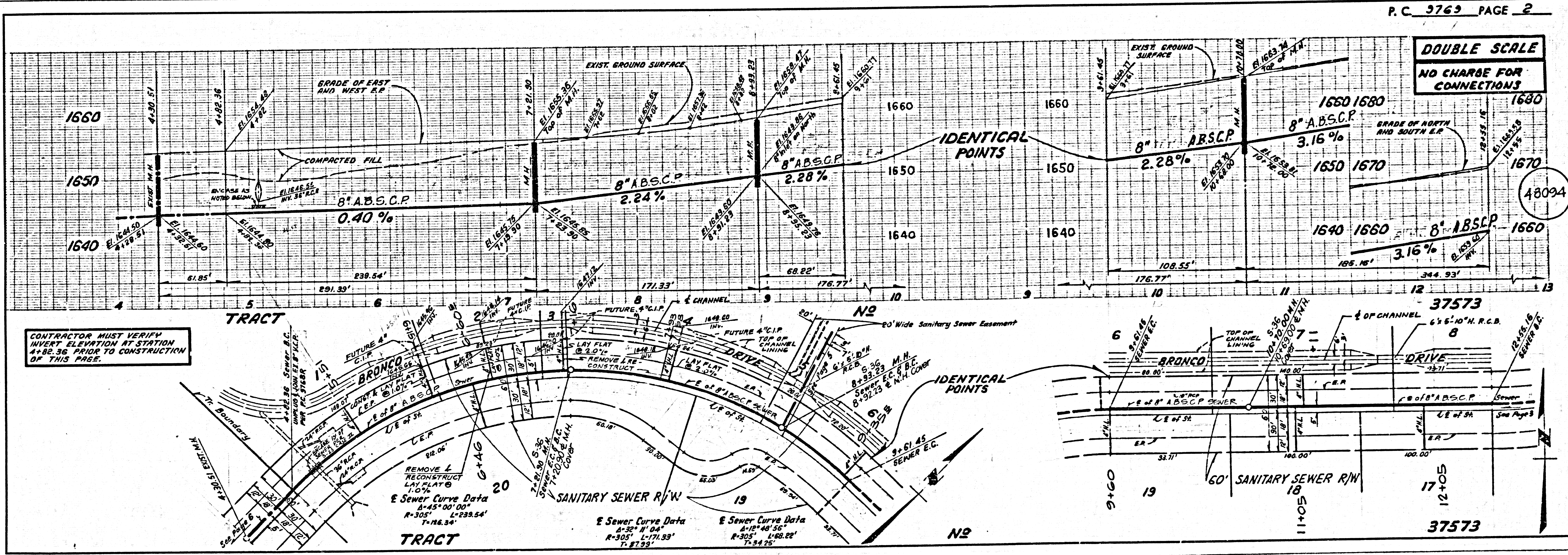
- CONSTRUCTION NOTES:
1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1979 EDITION WITH THE SUPPLEMENT AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS SHOWN WITH THESE PLANS. ALL WORK SHALL BE PROTECTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
 2. THE CONTRACTOR SHALL NOTIFY THE ENVIRONMENTAL DEVELOPMENT DIVISION OF THE COUNTY ENGINEER AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 3. HOUSE LATERALS TO BE CONSTRUCTED WITH BRICKS OR CONCRETE SHALL BE CONSTRUCTED AS NOTED.
 4. "T" OR "Y" BRANCHES MAY BE JOINED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
 5. ALL STRUCTURES SHALL BE BRICK MANHOLES PER 5.3 OR PRECAST CONCRETE MANHOLES PER 5.3, EXCEPT AS NOTED.
 6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 7. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 24 INCHES ABOVE FINISHED GRADE.
 8. WITHIN CLAY PIPE JOINTS SHALL BE TYPE "T", OR "Y" PER STANDARD SPECIFICATIONS SECTION 280-2.
 9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 5.3, CASE 2 TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
 10. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MANHOLE OR HOUSE LATERAL U.L.C. OR A.B.S.C.P. THE PIPE SHALL BE ENCASED PER 5.3, CASE 2 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 11. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER JOINT JOINT, TYPE "C" OR "D", WITH RUBBERS IF NECESSARY PER STANDARD SPECIFICATIONS, SECTION 300-2.
 12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 300-1.5 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
 13. REPAIRS TO ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 14. FULL COMPLIANCE WITH SECTION 300-1.5.3 OF THE SPECIAL PROVISIONS WILL 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 RESUME OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
 15. SPECIAL BACKFILL IN EGRESSANT CONSTRUCTION: (a) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE EGRESSANT PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION. (b) ALL BACKFILL AND BIRTH REPAIRS SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STANDARD METHOD OF TEST DEM-157 AS MODIFIED, ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE ENVIRONMENTAL DEVELOPMENT DIVISION.

PROFILE ALIGNMENT AND GRADE OF
SANITARY SEWERS PAGE 1
 TO BE CONSTRUCTED IN
TRACT No. 37573
PRIVATE CONTRACT NO. 9769
 W.S. 62
 3 SHEETS, 5 PAGES (48093)
 SCALE: HORIZ. 1" = 80' VERT. 1" = 4'
 JANUARY, 1980
 PREPARED IN THE OFFICES OF
ENGINEERING SERVICE CORPORATION
 4676 ADAMANTIA WAY, SUITE 503 - MALIBU, CALIF. 90265-5029
 BY: [Signature]
 REG. C.E. No. 13095

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

SEWER	5-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	5-2
BRICK MANHOLE	5-3
STANDARD MANHOLE STOP	5-4
BRICKS FOR SEWER PIPE	5-5
CLAMPING AND BRACKETS	5-6
TYPE OF THE SUPPORT	5-7
ALLOWABLE TRENCH WIDTHS	5-8
STOCKING MANHOLE PLANS AND COPIES	5-9
NON-REINFORCED PRECAST CONCRETE MANHOLE	5-10

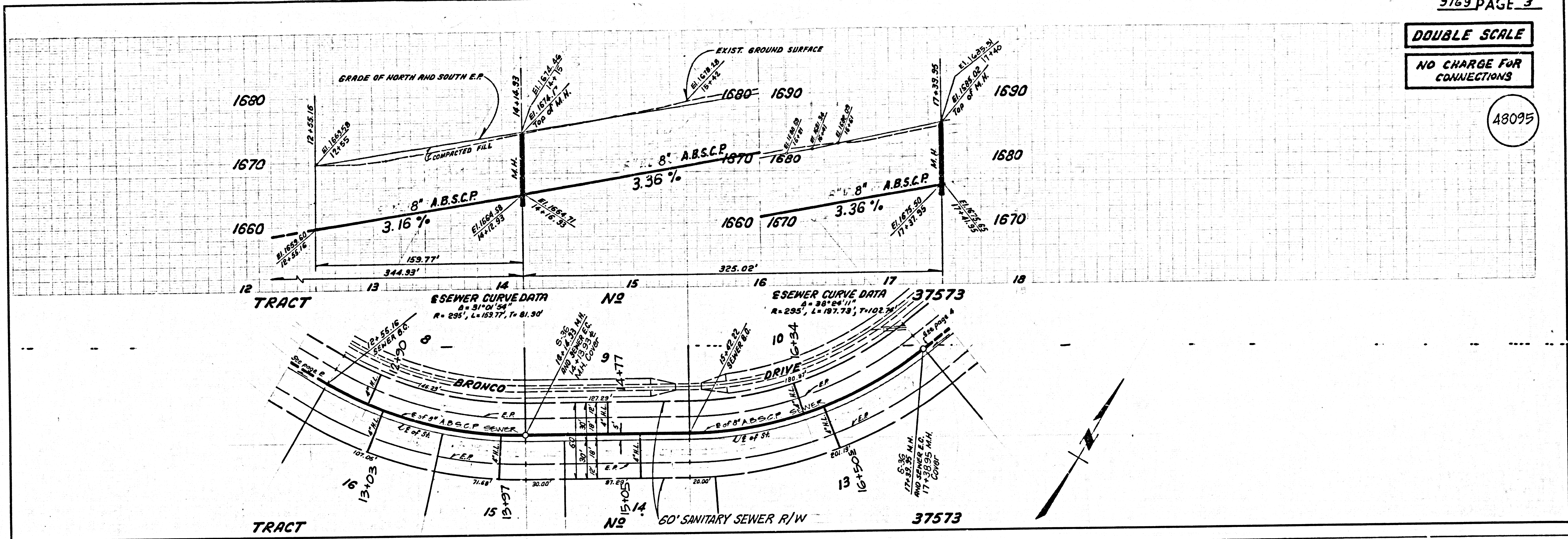
COUNTY OF LOS ANGELES, CALIFORNIA
 STEPHEN H. KODICE COUNTY ENGINEER WALTER E. GARRISON, CHIEF ENGINEER
 CO. SAN DIST. NO. 34
 APPROVED: [Signature] 6-12-80 APPROVED: [Signature] 6/11/80
 DATE DATE
 CHECKED: [Signature] 6/11/80
 REG. C.E. NO. 16873
 SANTA CLARITA BLDG. DIST. #2



DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

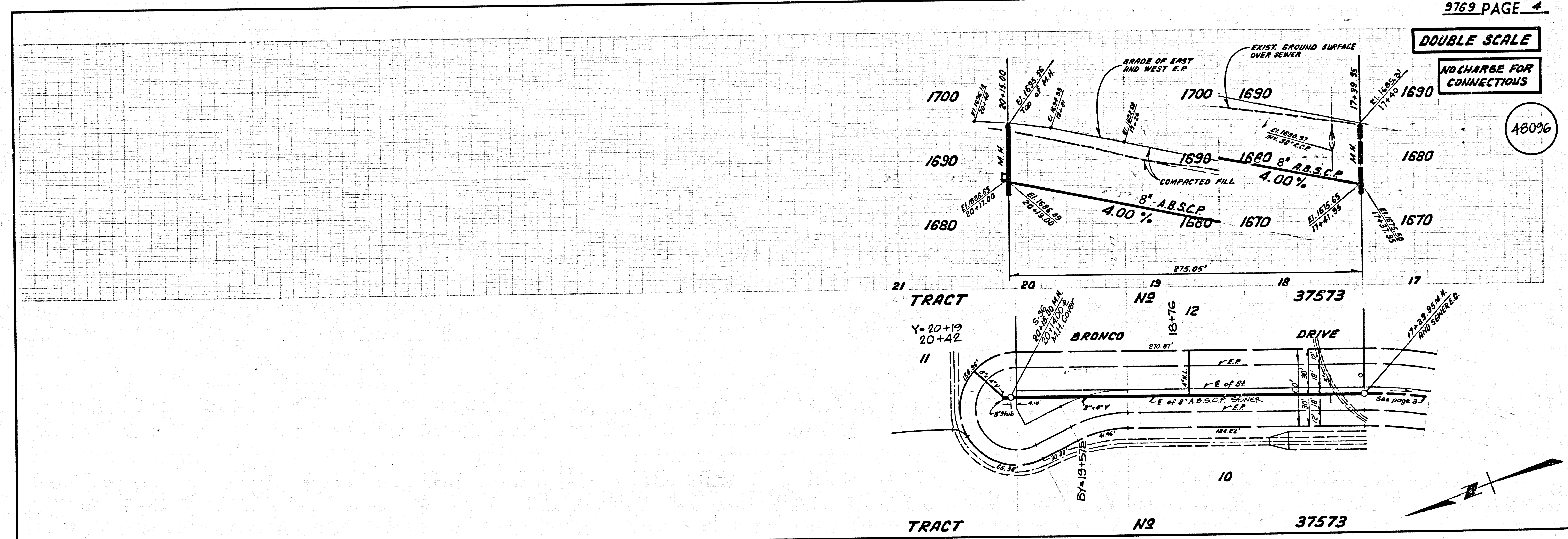
48095



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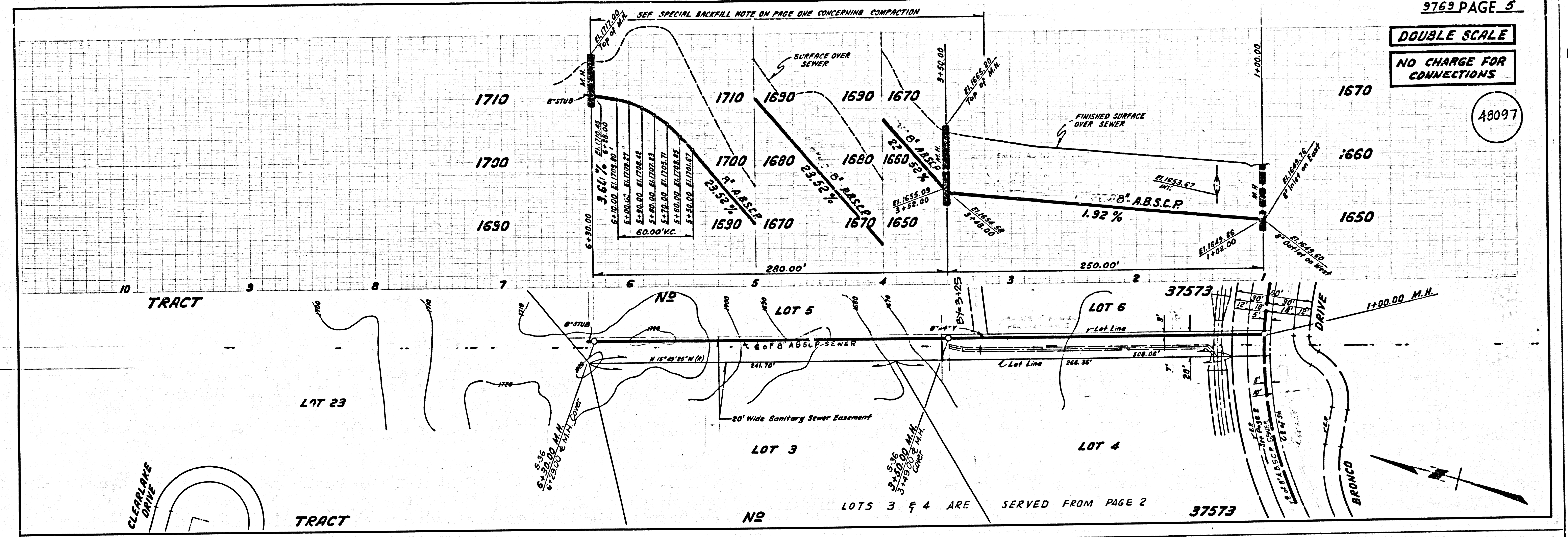
NO CHARGE FOR CONNECTIONS

48096



DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

48097



DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

