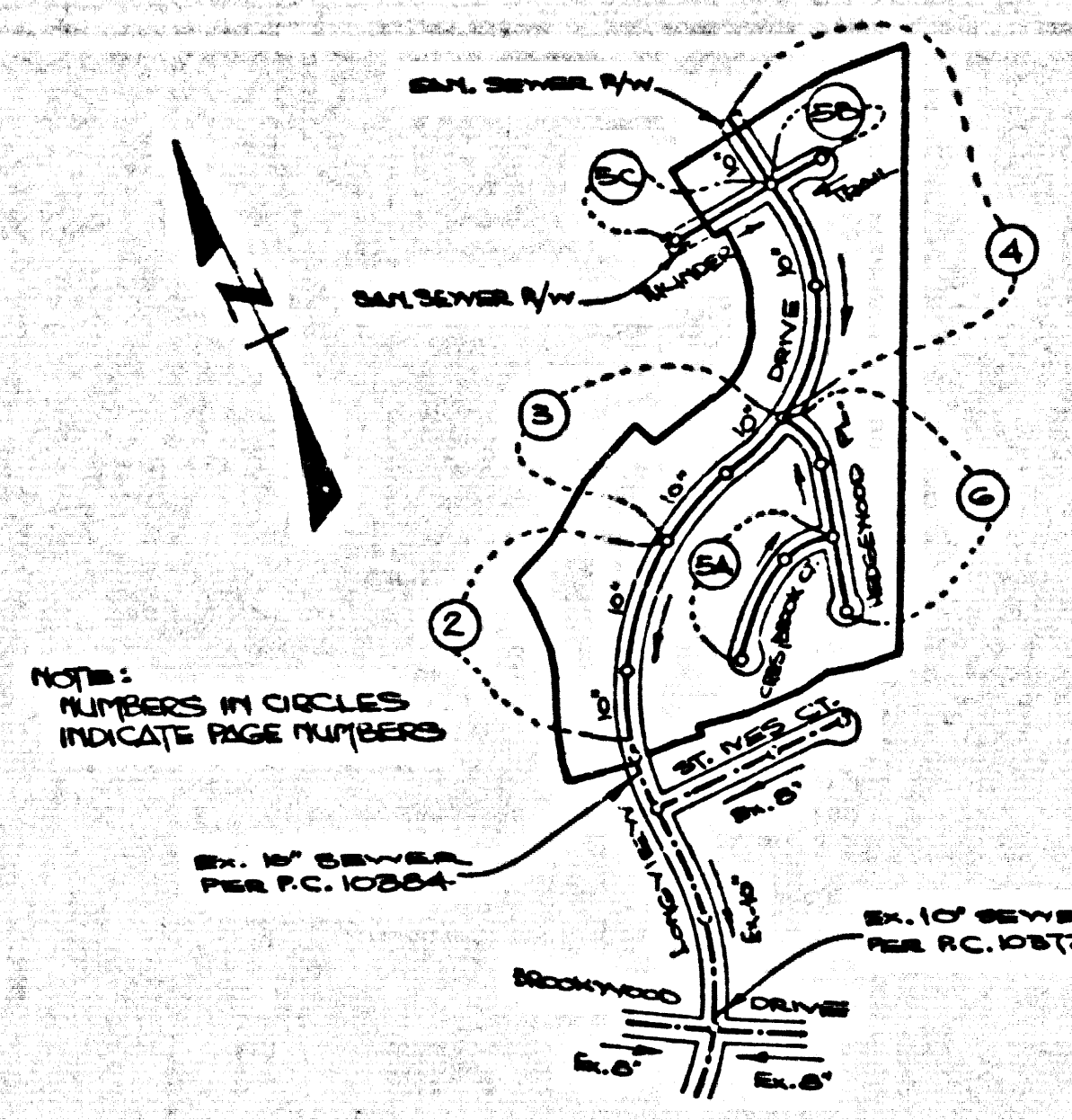


B.M. C.G. 3911 ELEV. 895.556
 1.41 IN E END OF 44 FT S.
 96 FT N C/L INT GRAND AVE.
 DIAPYD BAR BLVD (UND BH
 C-12)
 OTTERBEIN QUAD. 19 75



INDEX MAP
 TRACT NO 42568
 P.C. 10328
 SCALE 1"=600'

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.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

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 these plans. The contractor is required to take due precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans. The contractor shall be responsible for notifying "UNDERGROUND SERVICE ALERT" at 1-800-422-4133 two working days prior to any excavation or construction.

[Signature]
 Registered Engineer R.C.E. No. 19233

GENERAL NOTES CONT'D.

12. ALL REFERENCES ON THIS PLAN TO THE COUNTY ENGINEER, THE ROAD DEPARTMENT, OR THE FLOOD CONTROL DISTRICT SHALL APPLY TO THOSE APPROPRIATE SECTIONS OF THE DEPARTMENT OF PUBLIC WORKS.

CONSTRUCTION NOTES CONT'D.

- 16. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPE.
- 17. HANDLE WATER STOP BASKETS 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 VYE AND HOUSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
- 19. A.B.S. COMPOSITE PIPE SHALL BE REDEED IN CONFORMANCE WITH THE TABLE IN SECTION B-3.1 OF PART IV OF THE SPECIAL PROVISIONS.
- 20. THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADIUS OF CURVATURE LESS THAN 300 FEET WHEN USING 6" A.B.S. COMPOSITE PIPE.
- 21. NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A.B.S. COMPOSITE PIPE IS USED.
- 22. SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY PULLING OF JOINTS OR REVELING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A.B.S. COMPOSITE PIPE.
- 23. ALL VYE AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
- 24. A.B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
- 25. ONLY VYE BRANCHES ARE TO BE USED FOR CONNECTION TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.

ISSUE NO HOUSE CONNECTION PERMITS UNTIL P.C. 10328 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY P.L.A.

GENERAL NOTES:

- 1. ELEVATIONS ARE IN FEET ABOVE U.S. & B.S. SEA LEVEL DATUM OF 1929.
- 2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
- 3. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL 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 GRADES, CENTER LINE OF STREETS OR CENTER LINE 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.
- 5. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRAD SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "Y" OR "T" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING CLEARLY MARKED. ALL 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 FROM OWNERS 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 DEPTH 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. 1, AND PAY A FEE TO THE COUNTY ENGINEER, 800 S. WENTWORTH AVENUE, LOS ANGELES, CA 90026, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- 8. IF WORK IS TO BE DONE IN A STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 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 THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
- 10. REFER TO SECTION 7.16.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
- 11. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, 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 COUNTY ENGINEER, 800 SOUTH WENTWORTH, RM 610 LOS ANGELES, CALIFORNIA 90026, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

CONSTRUCTION NOTES:

- 1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1985 EDITION AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1975, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
- 2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPT., TEL. (213)226-8281 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- 3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- 4. VYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- 5. VYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A B.S.C.P. IS USED.
- 6. ALL STRUCTURES SHALL BE SET ON BRICK MANHOLES PER S-28, EXCEPT AS NOTED.
- 7. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- 8. MANHOLE TOPS IN UNIMPROVED PORTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
- 9. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 300-2.
- 10. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-28 CASE B, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 11. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A 18" LINE OR HOUSE LATERAL SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-28 CASE B UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
- 12. 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 300-1.
- 13. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH APPROVED FITTINGS.
- 14. ALL JOINTS BETWEEN VITRIFIED CLAY PIPE SHALL BE MADE WITH APPROVED FITTINGS.
- 15. REINFORCE ALL TRENCHES WITHIN AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- 16. FULL COMPLIANCE WITH SECTION 7.16.1.2 OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND BAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE RESUME OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- 17. SPECIAL BACKFILL IN EASEMENT CONSTRUCTION: (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLANS APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION. (B) ALL BACKFILL AND EARTH PLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST D698-57 "A" MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPT.

TRACT NO. 42568
PRIVATE CONTRACT NO. 10398

INDEX U-153
 3 SHEETS, 6 PAGES

SCALE: VERT. 1"=4'
 HORIZ. 1"=40'
 JUNE, 1985
 PREPARED IN THE OFFICES OF

LIND & MILLERUD, INC.
 205 WASHINGTON DRIVE
 SAN MARINO, CA 91108
 REG. C.E. 19233

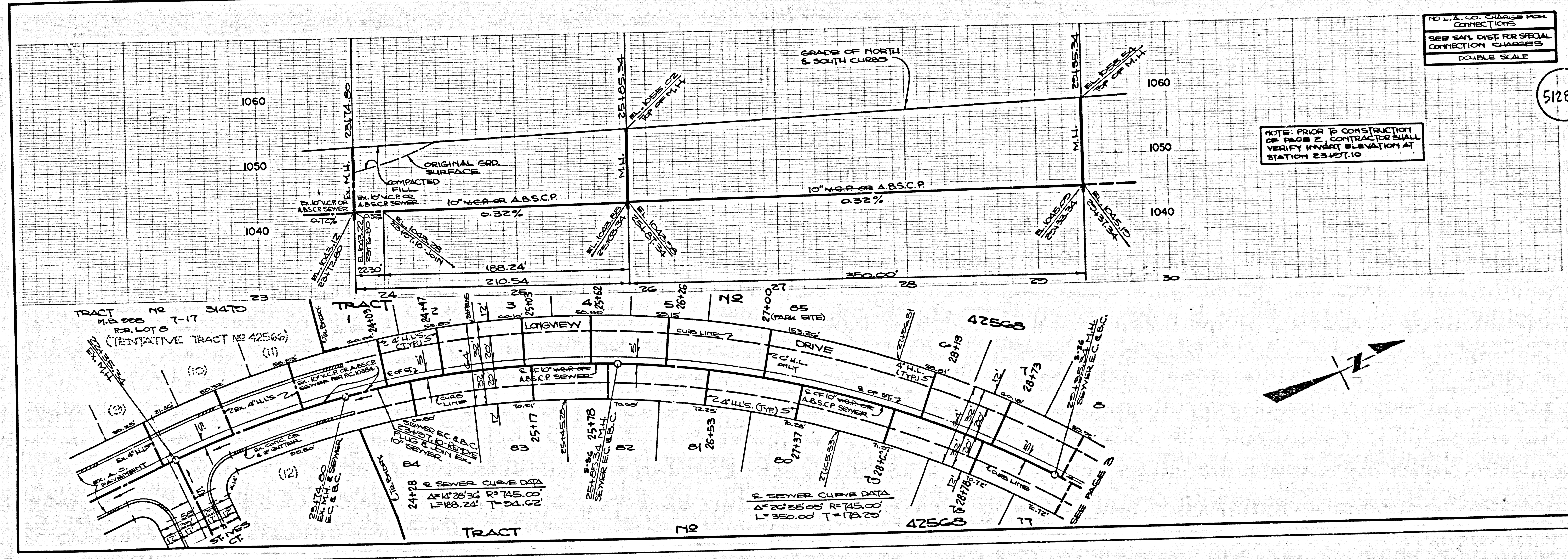
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THE FOLLOWING LATEST REVISED STANDARD PLANS OR FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT:

MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
BRICK MANHOLES	S-28
STANDARD MANHOLE SET	S-27
REINFORCING FOR SEWER PIPE	S-29
CHASING AND ENCASING	S-26
VYE OR TEE BRANCH	S-28
ALLOWABLE TRENCH WIDTHS	S-28
LOADING MANHOLE FRAME AND COVER	S-28
NON-FORCED PRECAST CONCRETE MANHOLES	S-28
CHIMNEY PIPE & BASE	S-27

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR. DEPARTMENT OF PUBLIC WORKS
 APPROVED *[Signature]* 11/3/85 DATE
 CHECKED *[Signature]* 10-23-85 DATE
 REG. C.E. NO. 53134
 SAN DIMAS RDG. DIST. 10

CHARLES V. CARRY, CHIEF ENGINEER
 CO. VAN. DIST. NO. 21
 APPROVED *[Signature]* 10-10-85 DATE
 OFFICE ENGINEER



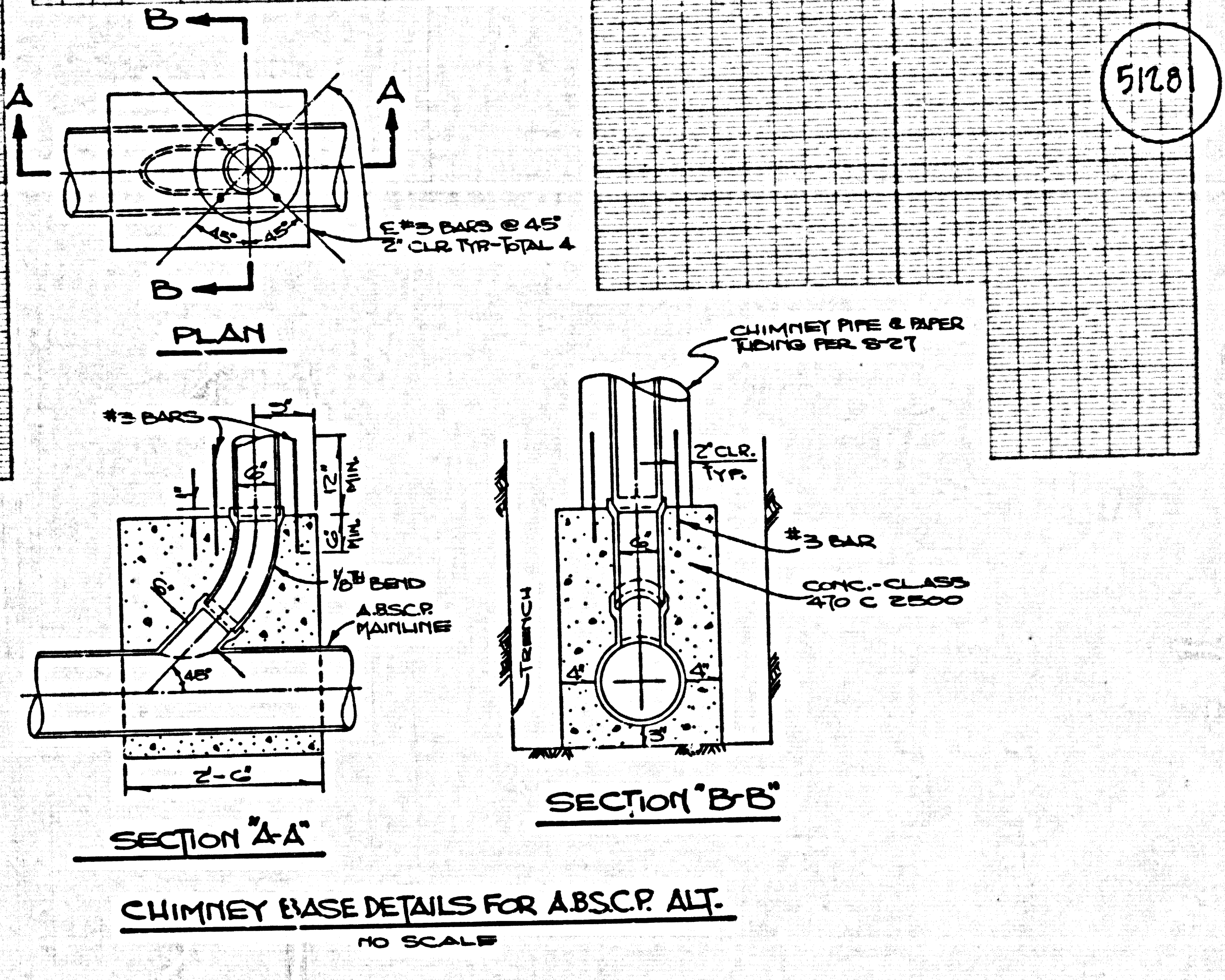
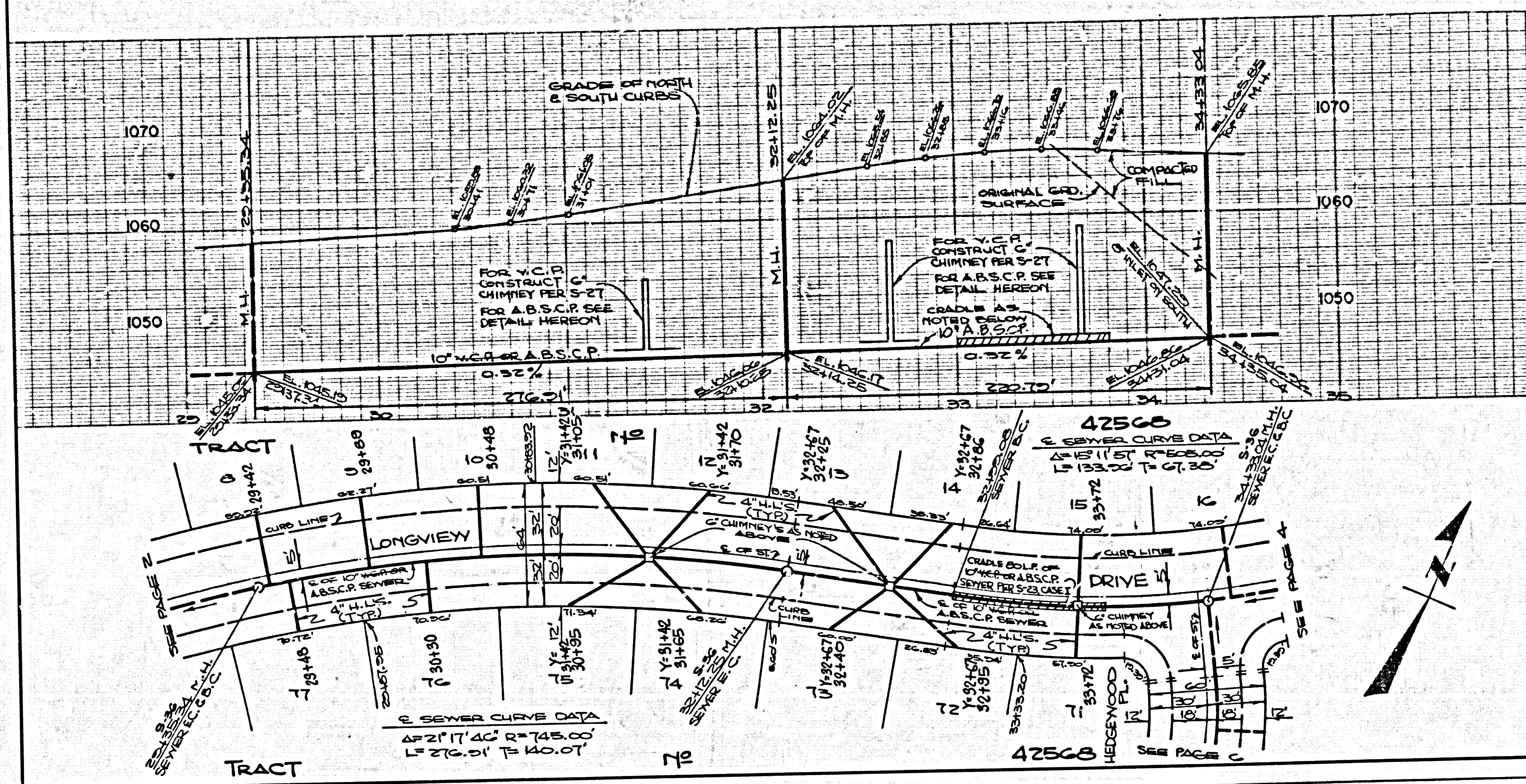
NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE SAN. DIST. FOR SPECIAL CONNECTION CHARGES
 DOUBLE SCALE

NOTE: PRIOR TO CONSTRUCTION OF PAGE 2, CONTRACTOR SHALL VERIFY INVERT ELEVATION AT STATION 25+07.10

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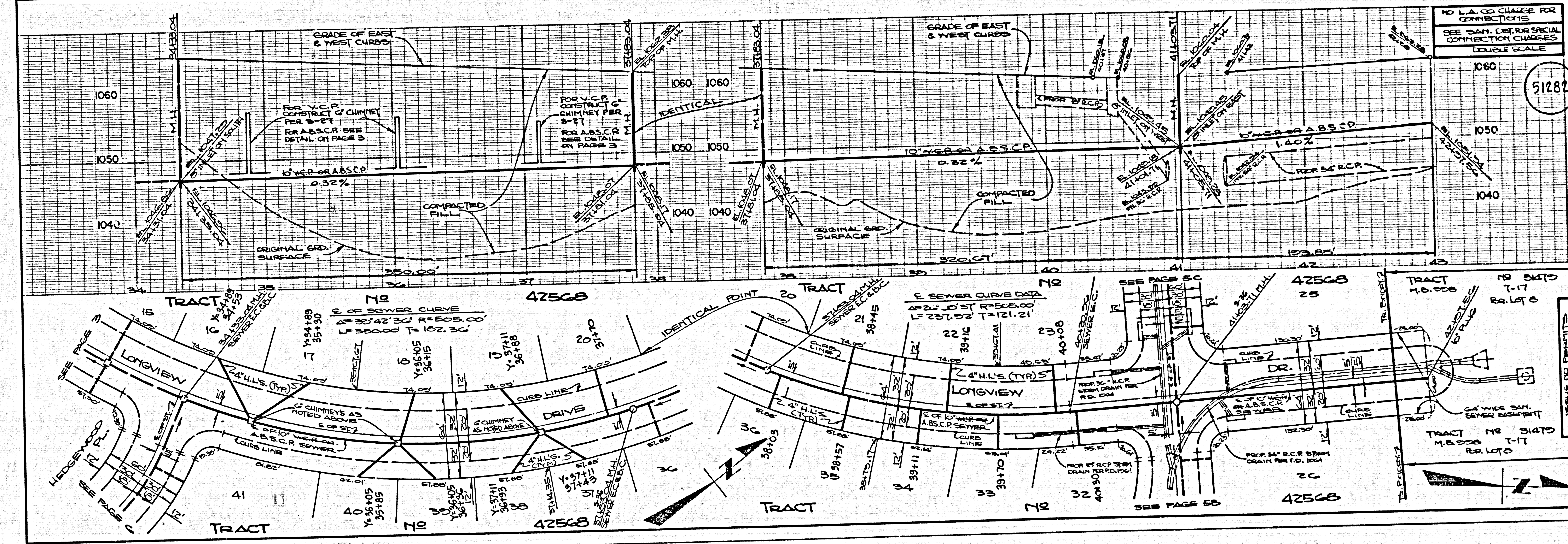
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SEE SAN. DIST. FOR SPECIAL CONNECTION CHARGES
DOUBLE SCALE

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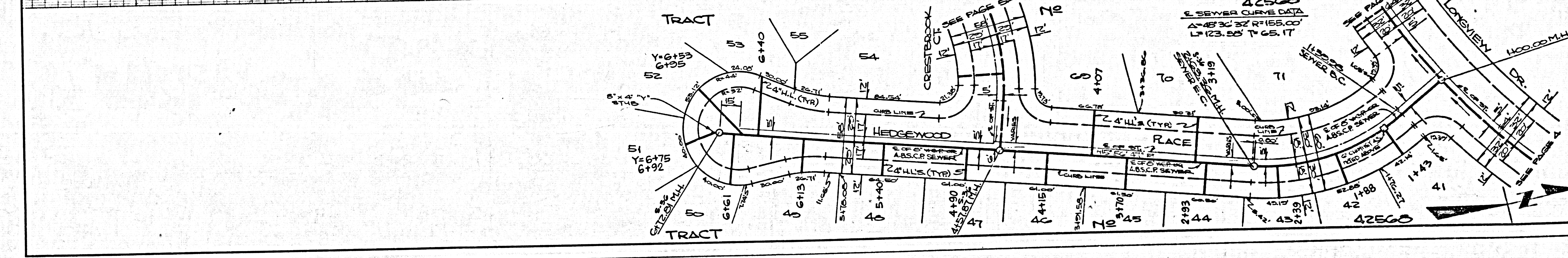
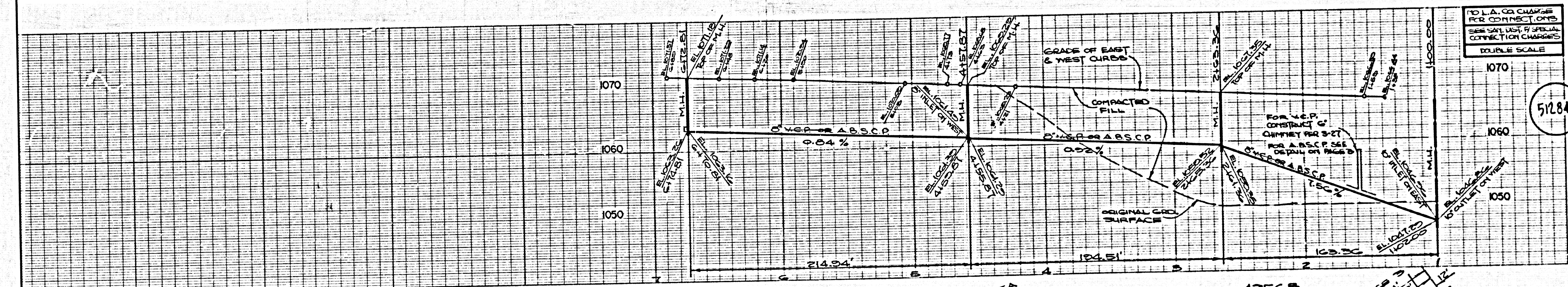
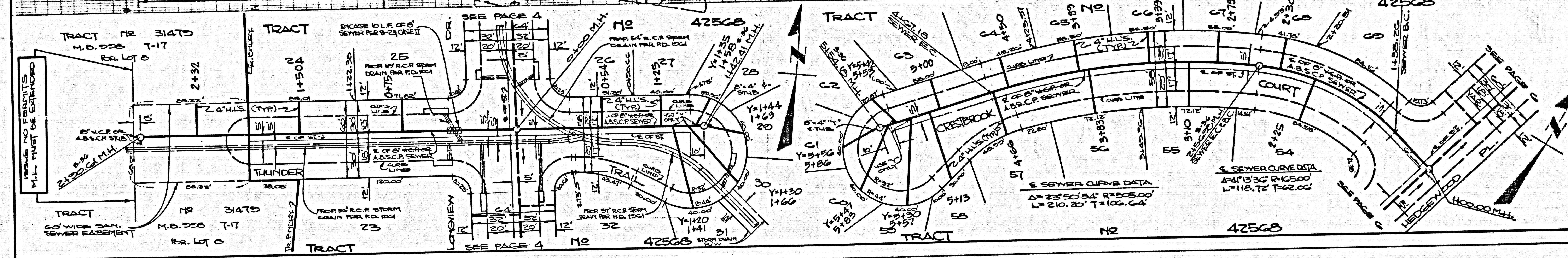
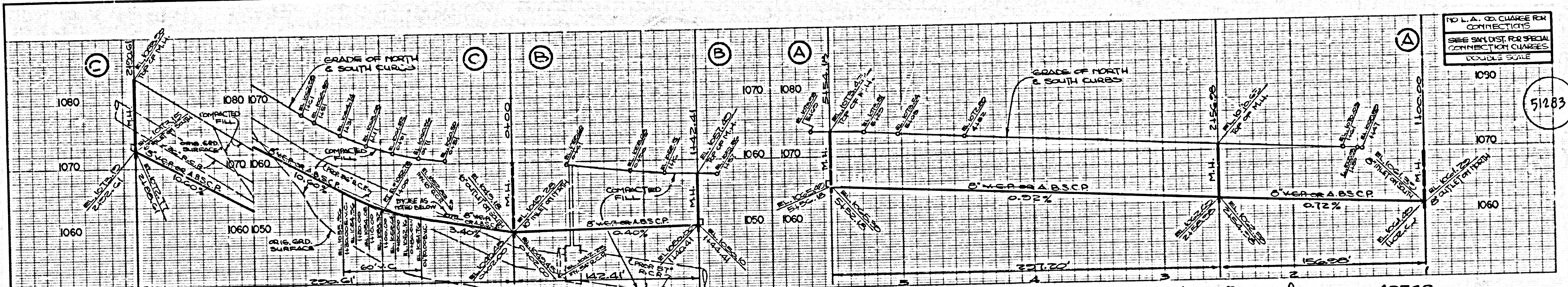
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SEE SAN. DIST. FOR SPECIAL CONNECTION CHARGES
DOUBLE SCALE

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PC. 10358

TRACT 149 T5E08



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