

PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS PAGE 1
TO BE CONSTRUCTED IN
TRACT No. 32996
PRIVATE CONTRACT NO. 7636
W.S. 36-C-4 SHEETS: 12 PAGES
SCALE: 1" = 10' HORIZONTAL, 1" = 4' VERTICAL
DATE: OCTOBER, 1978
PREPARED IN THE OFFICES OF
KEMMERER ENGINEERING CO., INC.
6105 S. PAINTER AVE., WHITTIER, CA 90608 (213) 698-0791
BY: *[Signature]* REG. C.E. No. 12547

GENERAL NOTES: DOUBLE SCALE

- REVISIONS ARE IN PENCIL UNLESS OTHERWISE NOTED.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
- NO REPRESENTATIVE OF THE COUNTY ENGINEER 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, CENTER LINE OF ALLEYS AND OTHER POINTS AT ALL POINTS BETWEEN DESIGNATED POINTS SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
- THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "T" OR "F" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY 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 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.
- THE PRIVATE ENGINEER SHALL MAINTAIN THE HOUSE LATERAL DEPTH AT THE PROPOSED LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.

CONSTRUCTION NOTES:

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1978 EDITION) AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED *SEP. 26, 1978* AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE **STATE HIGHWAY DEVELOPMENT PLAN, PAGE 257342156**, AT LEAST TWENTY FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE A FEET BELOW CURB GRADE EXCEPT AS NOTED.
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS PROVIDED THAT THE MAINLINE SEWER IS NOT UNDER MINIMUM COVER. ALL BRANCHES SHALL BE AT LEAST 18" DEEP CONCRETE MANHOLES TO BE EXCEPT AS NOTED.
- PROVIDE STAKES ON THE PROPERTY LINE OR CONNECTIONS LINE PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- MANHOLES SHALL BE CONSTRUCTED TO THE TOP OF THE MAINLINE SEWER OR TO THE TOP OF THE CURB GRADE AS NOTED.
- VERTICAL CURVE PITCH SHALL BE 1/8" PER 100' OR "1" PER 100' PER STANDARD SPECIFICATIONS SECTION 208.2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S 23, CASE II 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 "T" OR "F" WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S 23, CASE II UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
- ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D". WITHIN BUILDING OR NEARBY AREAS PER STANDARD SPECIFICATIONS SECTION 208.1.
- JOINTS TO BE USED FOR JOINTS SHALL BE OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OF CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PLANS.
- ALL COMPLIANCE WITH SECTION 208.2.B OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAME EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- SPECIAL BACKFILL IS DISCLOSED.
- SHALL PREPARE AND REPLICATE OTHER DATA REQUIRED BY AN ENGINEER TO BE MAINTAINED ON FILED RECORDS AND UPON DEMAND TO BE PRODUCED TO THE COUNTY ENGINEER FOR THE RECORDS AND SAFETY OF THE PROJECT.
- ALL BACKFILL AND EARTH REPLICATED SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER ASTM STANDARD METHOD OF TESTING D 998-57T AS APPROVED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE COUNTY ENGINEER WITHIN 10 DAYS OF THE DATE OF THE PROJECT'S COMPLETION.

CONSTRUCTION NOTES CONTINUED:

- ALL TRENCHES SHALL BE PROTECTED BY THE INSTALLATION OF A 4" X 8" SHIMMERING PLATE TO MAINTAIN TRENCH GABLETS AND CLIPS ARE REQUIRED FOR THE CONNECTION OF A.B.S.C.P. TO MANHOLE STRUCTURES.
- A.B.S.C.P. SHALL HAVE PIPE MUST BE USED FOR PIPES AND HOUSE LATERAL CONNECTIONS TO A.B.S.C.P. MANHOLE STRUCTURES.
- A.B.S.C.P. CONNECTIONS SHALL BE MADE IN CONFORMANCE WITH THE RULES IN SECTION 4.5.3 PART 1 OF THE SPECIAL PROVISIONS.
- PIPE REFLECTION FITTINGS ARE REQUIRED FOR JOINTS OF COMPARTMENT LESS THAN 200' WHEN USING 8" A.B.S.C.P. AND 300' WHEN USING 10" A.B.S.C.P.

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
THE EXISTENCE AND APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS WERE DETERMINED BY A SEARCH OF AVAILABLE PUBLIC RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UNDERGROUND UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS.
THE CONTRACTOR IS REQUIRED TO TAKE THE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES NOT SHOWN ON THESE PLANS.
Robert R. Floxed REG. C.E. No. 12547 DATE 10-2-78

REVISIONS:

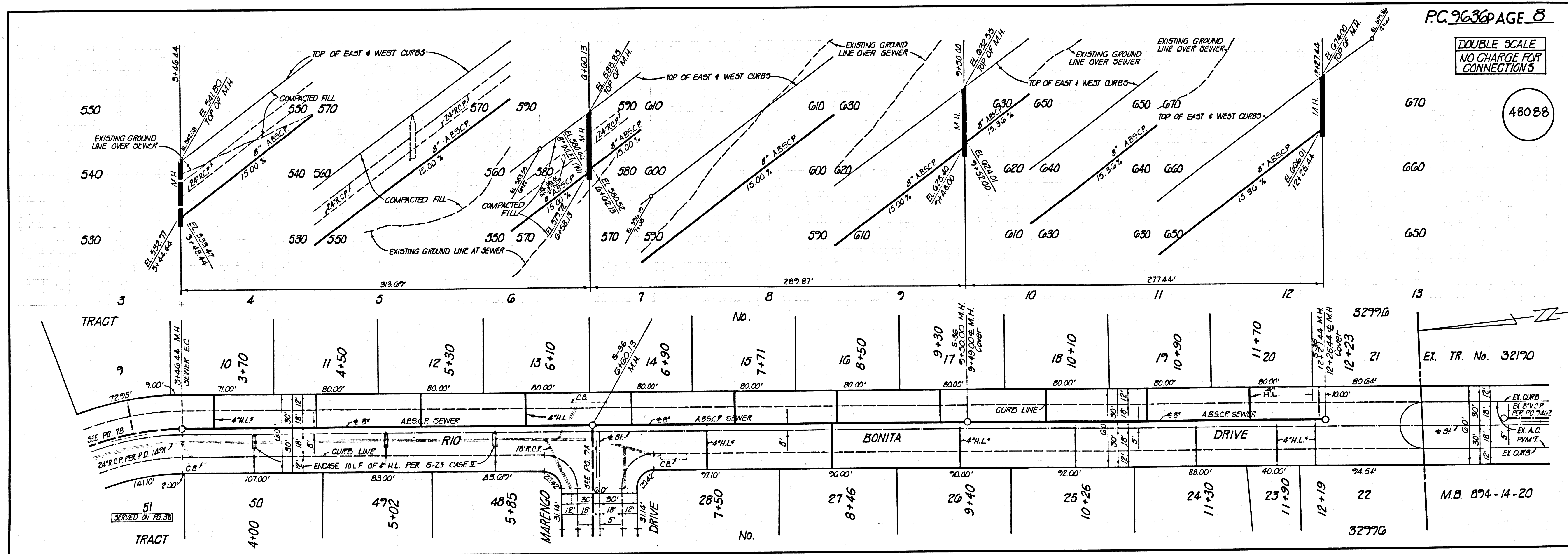
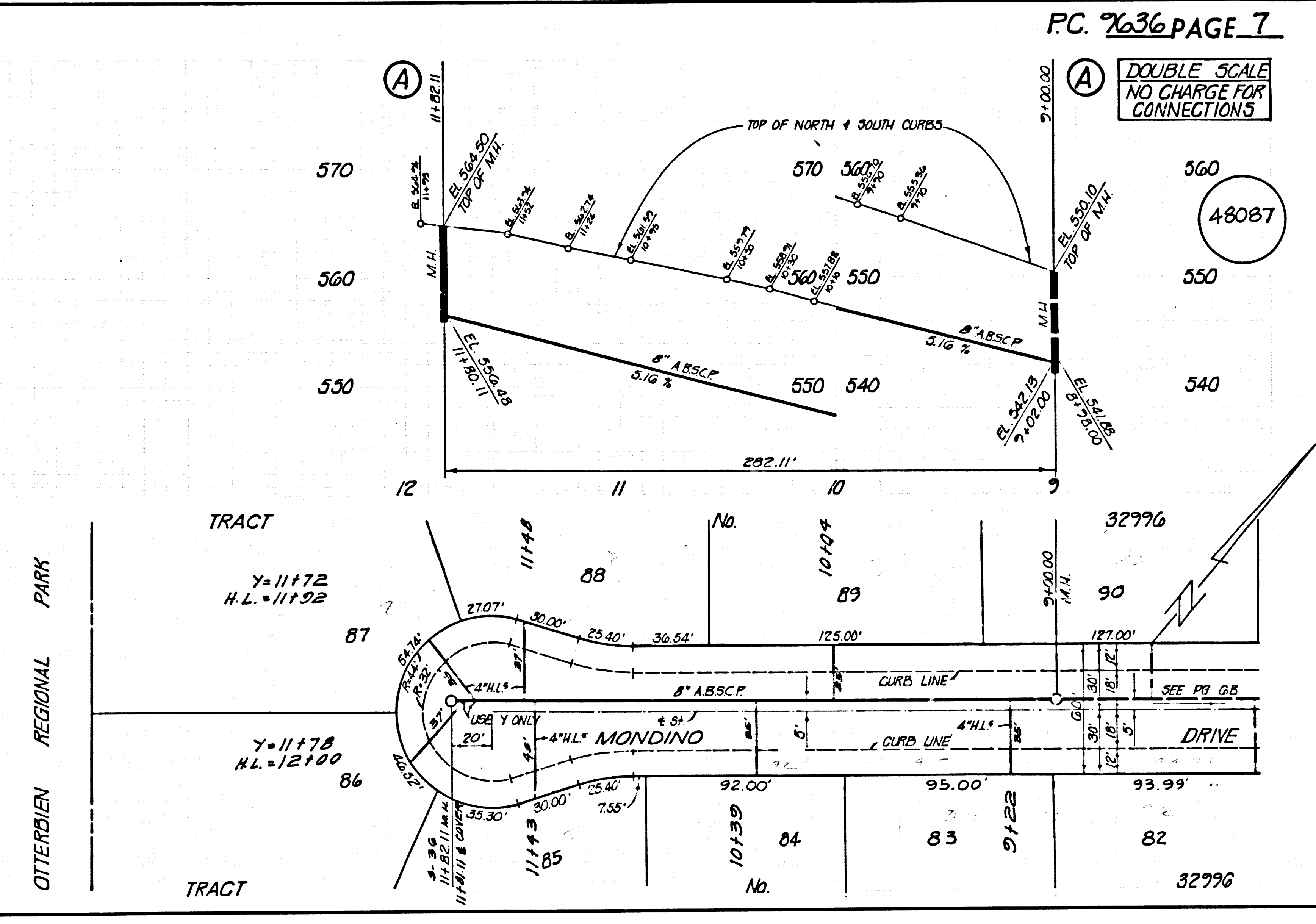
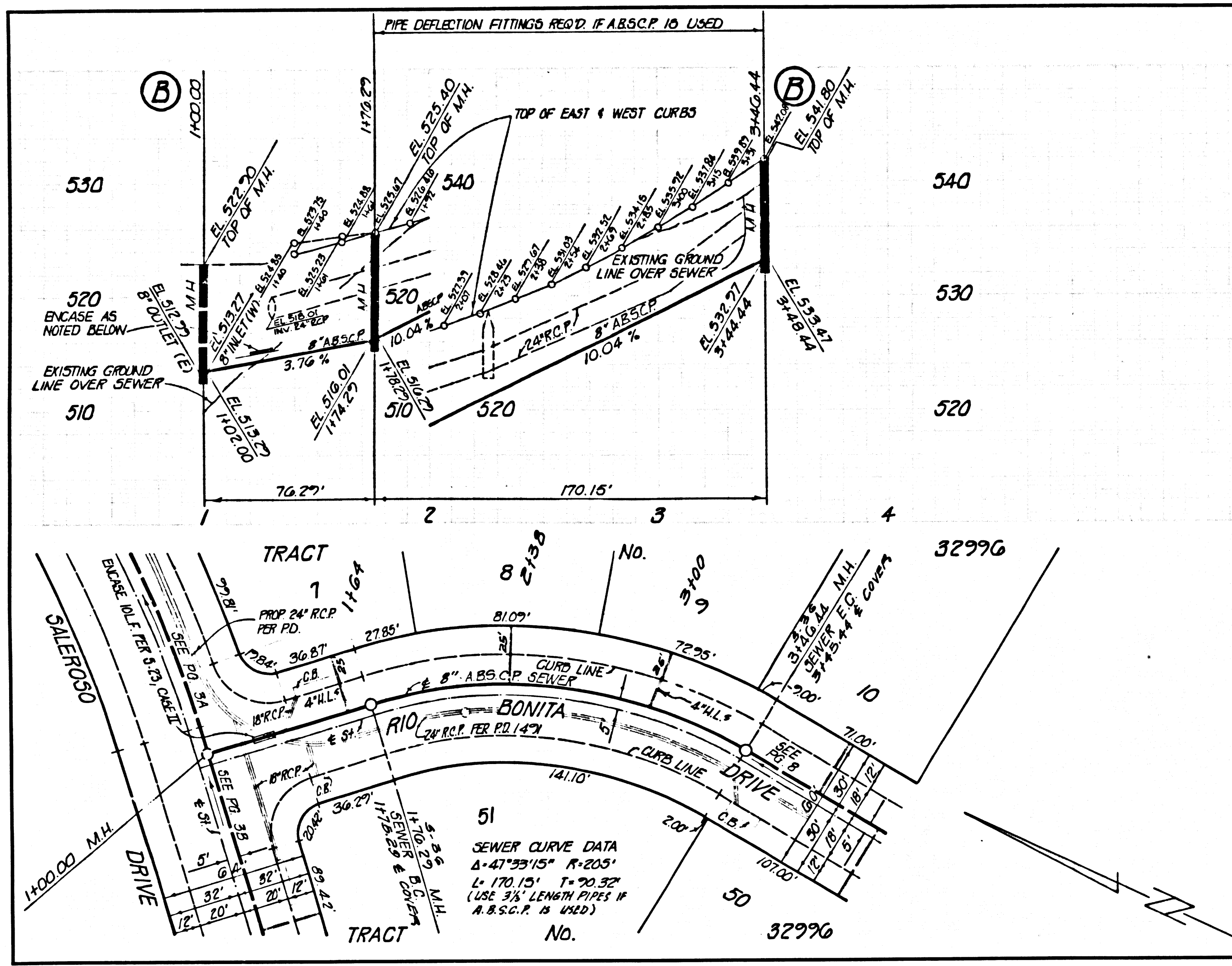
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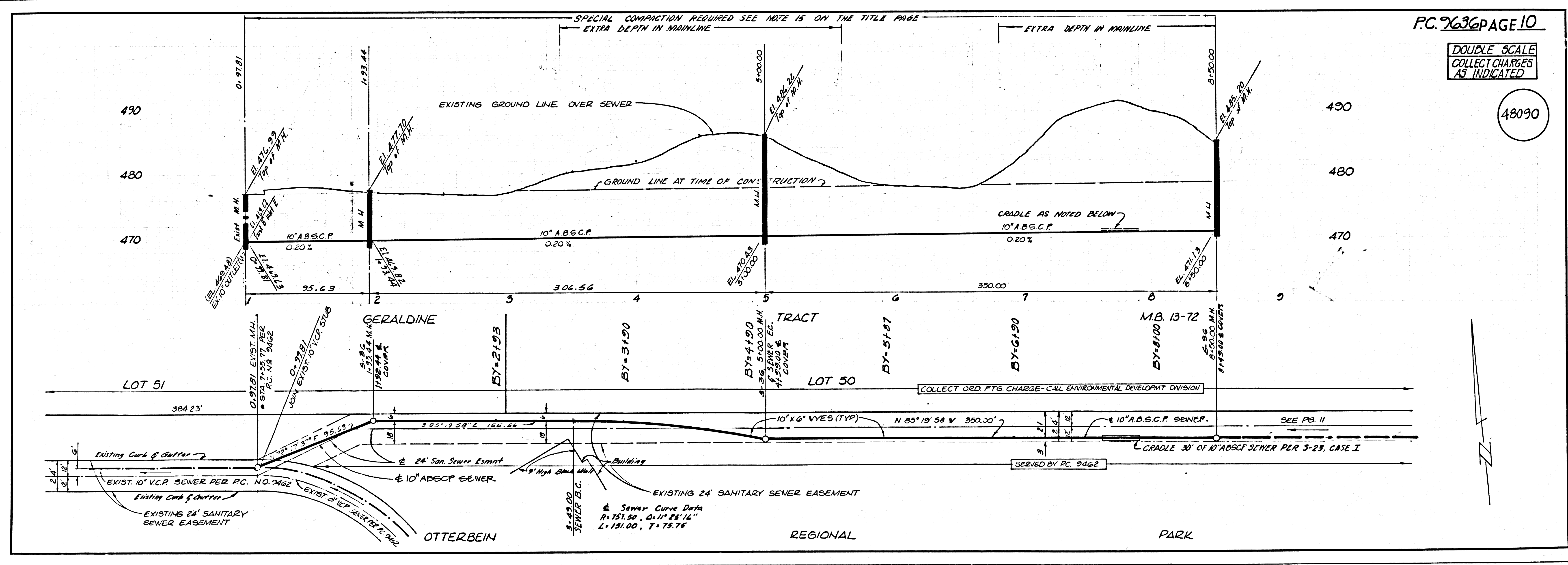
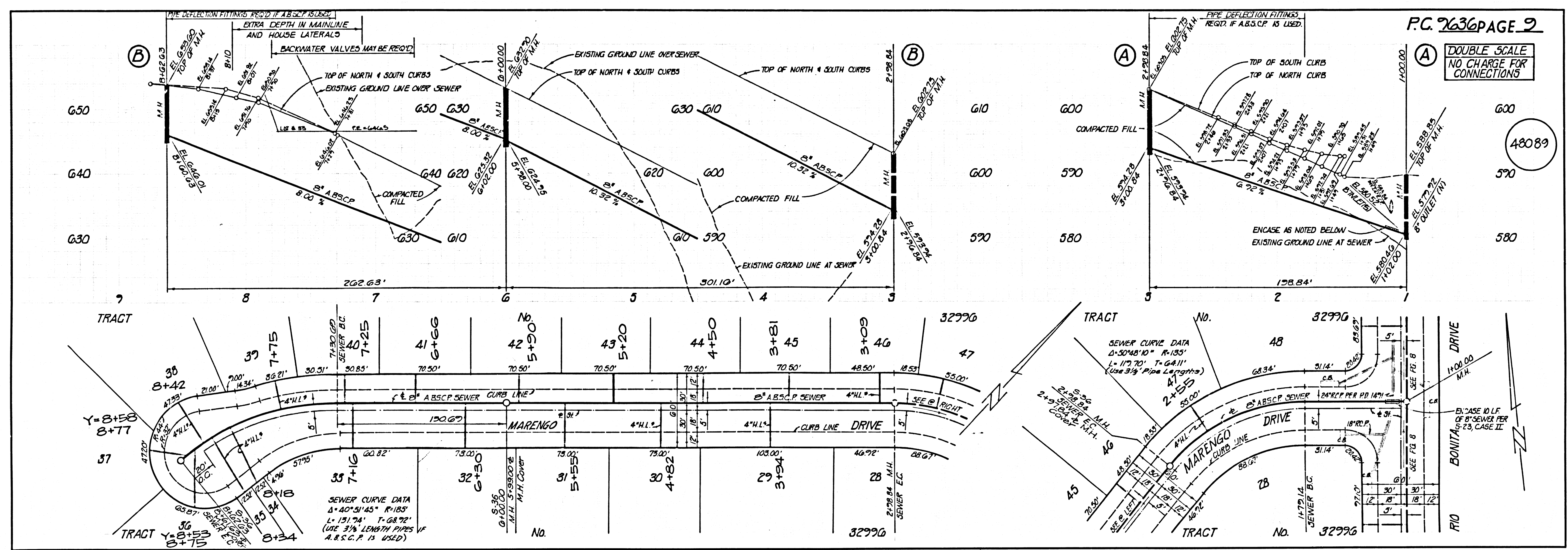
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OFFICE OF THE COUNTY ENGINEER

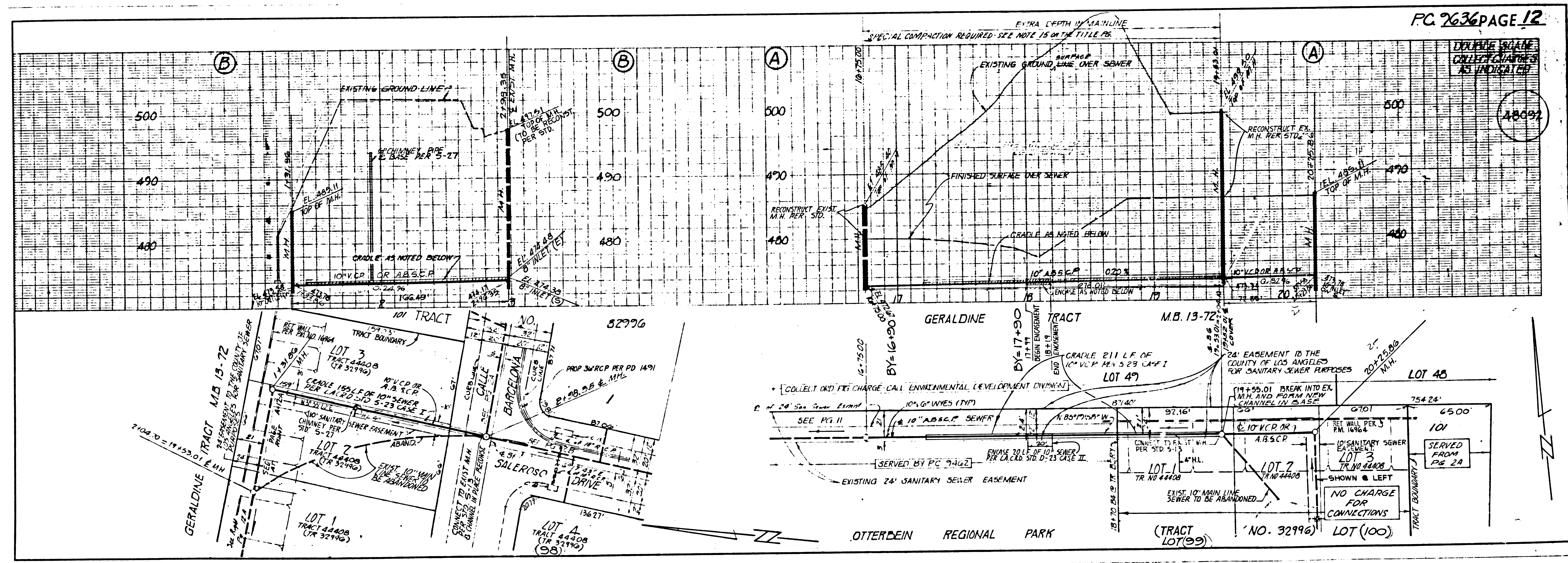
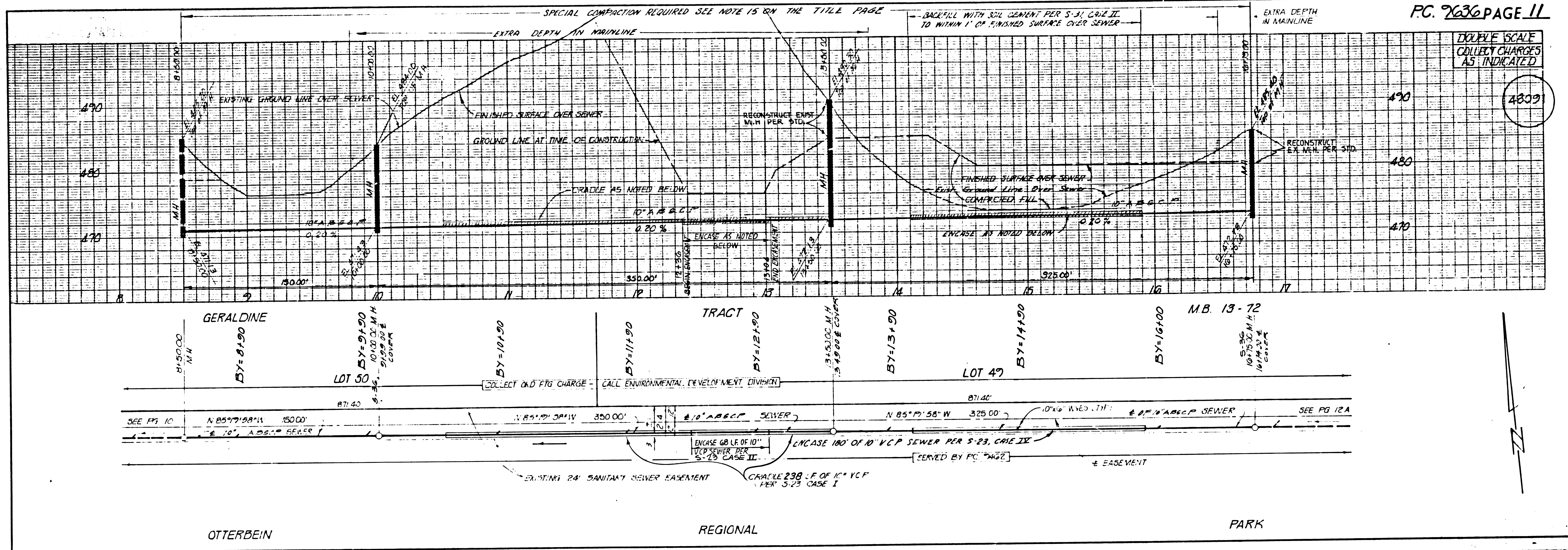
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APPROVED: *[Signature]* REG. C.E. 15583 DATE 1-29-80
OFFICE OF COUNTY ENGINEER

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