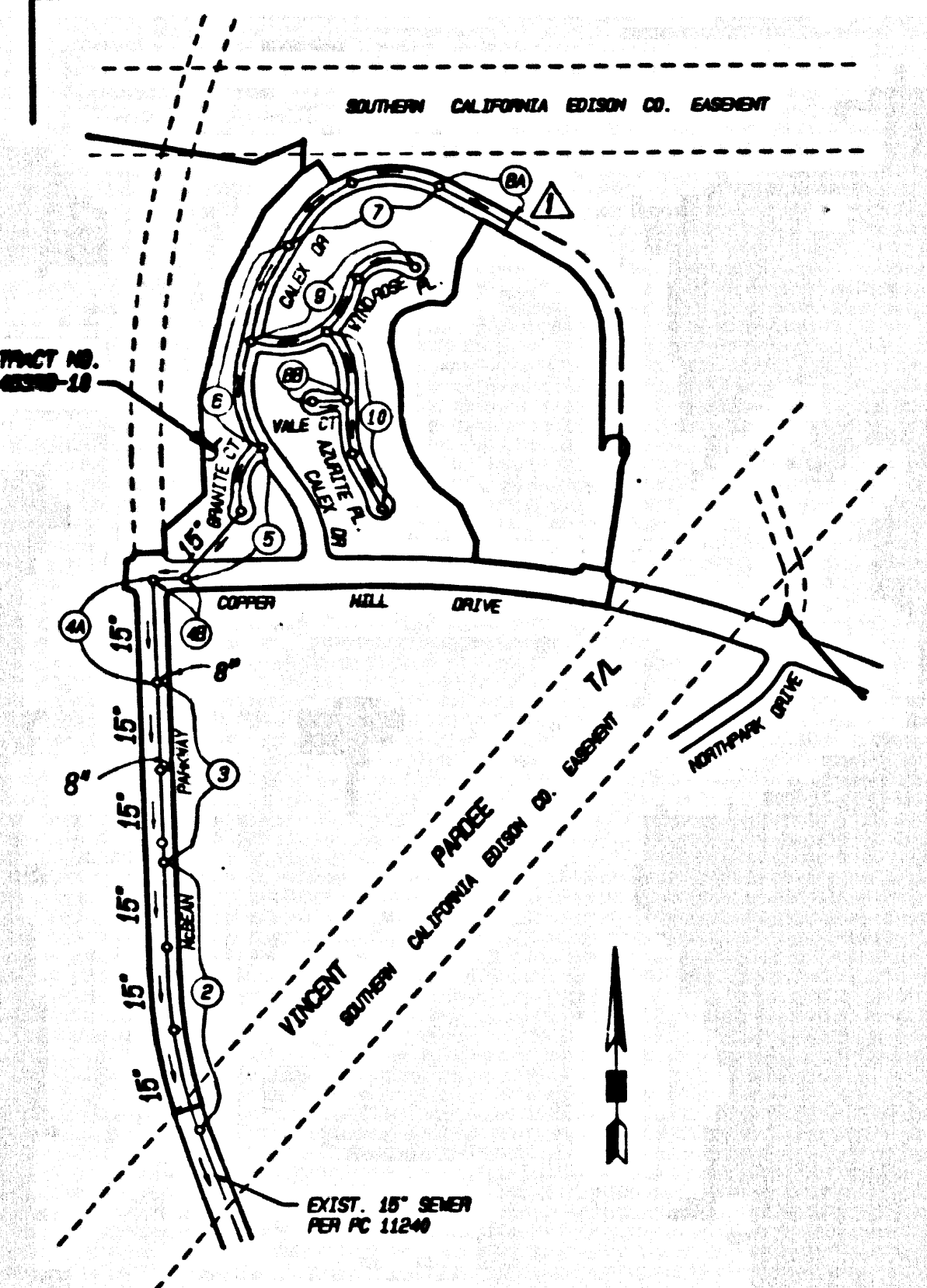


B.M. 3823 ELEV. 1180.440  
 LACS ON NON FLUSH 1 FT N/O N OS  
 ESPUELLA DR. 22 FT N & 77 FT E/O  
 C/L INT BOULET CYN RD & ESPUELLA DR  
 M/D (BM 204-B)  
 NEWHALL QUAD. 19 93



P.C. 11328 TRACT NO. 46389-10  
 THOMAS GUIDE PG. NO. 4460/F-8  
 NOTE: NUMBERS IN CIRCLES INDICATE PAGE NUMBERS

**PRIVATE ENGINEERS NOTICE TO CONTRACTORS:**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF 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. PRIOR TO LOCATION OF THE CONTRACTOR SHALL CALL TOLL FREE 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL ANY OWNERS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

REGISTERED CIVIL ENGINEER NO. 42890 Exp. 03-31-00 DATE: 04-01-96

LOTS 01 THRU 08 ARE RESTRICTED TO NO CONSTRUCTION OF RESIDENTIAL BUILDINGS & WILL NOT BE SERVED BY THIS SEWER.

REVISION NO. 1 DATE: 4/4/97  
 PAGE 1: REVISED INDEX MAP  
 PAGE 2: SHOWED FUTURE LOT LINES, ADDED FIVE 6" H/S CONNECTIONS  
 PAGE 3: ADDED ONE 6" H/S, ONE NEW M.N. @ STR. 21-35.00 AND N OF 8" V.C.P. CONNECTING @ EXIST. M.N. STR. 24-40.00  
 PAGE 4B: ADDED TWO 6" H/S AND 20' OF 8" V.C.P. CONNECTING @ EX. M.N. STR. 27-20.00  
 PAGE 5: REVISED LOT FRONTAGE DIMENSIONS  
 PAGE 8A: DELETED SEWER STR. 17-18.52 TO 18-12.30, ADDED M.N. @ STR. 15-15-43-40' @ V.C.P.  
 PAGE 8B: REVISED LOT FRONTAGE DIMENSIONS  
 APPROVED: *Santiago Bal* DATE: 4/29/97  
 OFFICE OF THE DIRECTOR OF PUBLIC WORKS / R.C.E. NO. 53134

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, A SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE AT (800) 266-4683 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

DOUBLE SCALE

**GENERAL NOTES:**

- 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 OFFICE, 900 SOUTH PLYMOUTH AVENUE, 8TH FLOOR, ALHAMBRA, AT LEAST 72 HOURS PRIOR TO STARTING WORK UNDER THIS CONTRACT. COPIES OF ALL OTHER REQUIRED PERMITS, SUCH AS ROAD EXCAVATION, CALTRANS ETC., MUST BE FILED WITH THE PERMIT APPLICATION.
- 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 HANDED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.
- IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS, 1205 SOUTH WYOMING STREET, LOS ANGELES, CALIFORNIA.
- WHEN WORK IS WITHIN A CONTRACT CITY, THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO DETERMINE THE LOCATION TO WAY THE INSPECTION FEES.
- 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 (818) 488-8182 AT LEAST THIRTY-TWO HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- 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.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" INCLUDING STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF SANITARY SEWERS, AND SHALL BE FURNISHED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS INSPECTION.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-15.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY GEARED AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS' STANDARD 8-5.
- SUBSTANTIATION ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1988.
- 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.
- GRADE 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 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.
- THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "ON" LATERALS AND SHALL BE RESPONSIBLE FOR THEIR BEING LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MANHOLE, OR OVER 10 FEET OF COVER OVER THE TOP OF A TRENCH. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM 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 CURB ELEVATION FOR EACH HOUSE LATERAL. THE DEPTH OF THE BRANCH SHALL BE USED UNLESS OTHERWISE SPECIFICALLY NOTED.

**CONSTRUCTION NOTES:**

- PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
- VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 800-2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER STANDARD PLAN 8-28, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "D" WITH BRANCHES (IF NECESSARY) PER STANDARD SPECIFICATIONS SECTION 800-2.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- PIPE OR THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- IF DURING THE COURSE OF CONSTRUCTION, IT IS DETECTED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MANHOLE, OR OVER 10 FEET OF COVER OVER THE TOP OF A TRENCH, THE PIPE SHALL BE ENCASED PER STANDARD PLAN 8-28, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER STANDARD PLAN 8-9 OR PRECAST CONCRETE SEWER MANHOLES PER STANDARD PLAN 8-30, OR REINFORCED PRECAST CONCRETE MANHOLE PER STANDARD PLAN 8-5, EXCEPT AS NOTED.
- REINFORCED CONCRETE MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PERMITS.
- FULL COMPLIANCE WITH SECTION 800-1.8.4 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL, IN STREET, IDENTIFICATION OF SUFFICIENT CONSTRUCTION, AND ROAD EQUIVALENTS BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- IF A HOUSE LATERAL IS TO BE CONSTRUCTED THROUGH AN EXISTING WALL, THE WALL SHALL BE REINFORCED AS DETERMINED BY A REGISTERED CIVIL ENGINEER. THIS REINFORCEMENT SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
- MANHOLE TOPS IN IMPROVE AREAS OF WAY TO BE LEVEL WITH FINISHED GRADE.
- SEWERS TO BE TRENCH PER SECTION 800-1.4 OF THE STANDARD SPECIFICATION AND SPECIAL PROVISIONS.
- ALL VEE AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.

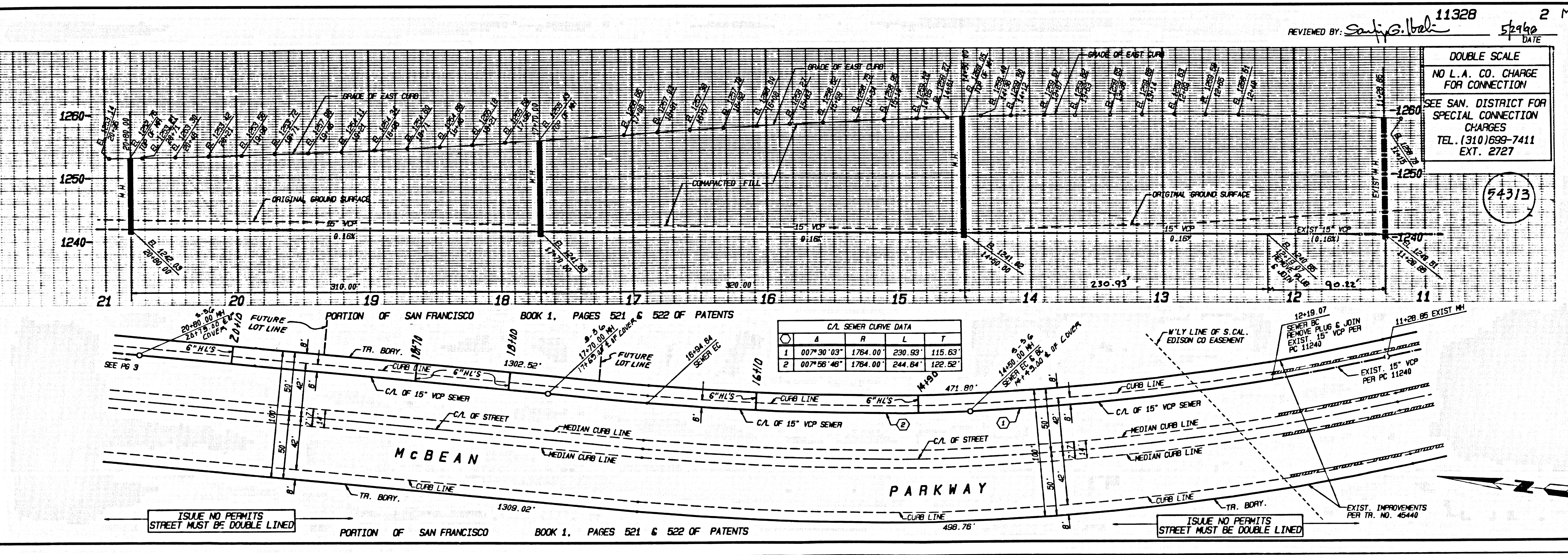
PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS**  
 TO BE CONSTRUCTED IN  
 TRACT No. 46389-10



INDEX 1294  
 5 SHEETS; 10 PAGES  
 VERT. 1" = 8'  
 SCALE: HORIZ. 1" = 40'  
 MAY, 1996  
 PREPARED IN THE OFFICES OF  
 SISKIAND ENGINEERING  
 15230 BURBANK BLVD., VAN NUYS, CA 91411-3588  
 TEL. (818) 787-8559  
 BY: *Santiago Bal*  
 REG. C.E. NO. 42890

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: ..... 8-1 (800-9 LACOPM STD. 1988 ED.)  
 MINIMUM PUBLIC SAFETY REQUIREMENTS ..... 8-4  
 BRICK MANHOLE ..... 8-9 (803 APMA-ABC)  
 STANDARD MANHOLE ..... 8-17 (801-9 LACOPM STD. 1988 ED.)  
 SECTIONS FOR SEWER PIPE ..... 8-21  
 CHADLINE AND ENCASUREMENT ..... 8-22  
 SPECIAL HOUSE LATERALS ..... 8-28  
 VEE OR TEE SUPPORT ..... 8-29  
 SLOPE PROTECTION IN STEEP SLOPES ..... 8-31  
 ALLOWABLE TRENCH WIDTHS ..... 8-32  
 LOCKING MANHOLE FRAME AND COVER ..... 8-33  
 NON-REINFORCED PRECAST CONCRETE MANHOLE ..... 8-36 (8001-9 LACOPM STD. 1988 ED.)  
 BREAK INTO EXIST. MANHOLE ..... 8-13

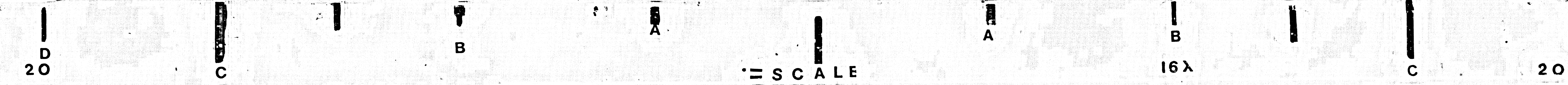
COUNTY OF LOS ANGELES, CALIFORNIA  
 HARRY W. STONE  
 DIRECTOR OF PUBLIC WORKS  
 APPROVED: *Santiago Bal* 5/12/96 (DATE)  
 APPROVED: *Charles W. Curry* 5/30/96 (DATE)  
 OFFICE ENGINEER 5-30-96  
 CHECKED: *Phil Doudor* 5/29/96 (DATE)  
 REG. C.E. NO. 45641  
 SANTA CLARITA VALLEY, BLDG. DIST. 8.2



REVIEWED BY: *Santiago Bal* 11328 5/29/96 DATE  
 2 ME  
 DOUBLE SCALE  
 NO L.A. CO. CHARGE FOR CONNECTION  
 SEE SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (310) 659-7411 EXT. 2727  
 54313

LA COUNTY ENGINE DIST. NO. 1 C.M. 2 (113) 000-0440 11328

11328 10 46389-10 BC 11358 11328 10 46389-10 BC 11358

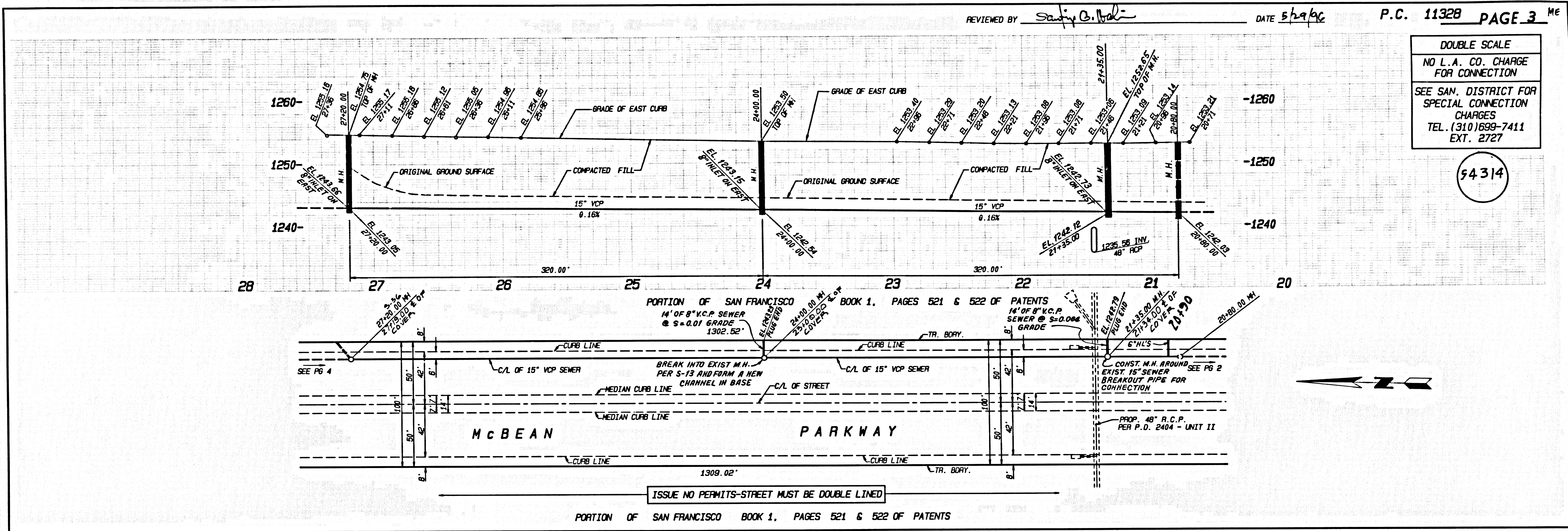


REVIEWED BY *Sally G. Ball* DATE *5/21/96*

P.C. 11328 PAGE 3 ME

DOUBLE SCALE  
NO L.A. CO. CHARGE  
FOR CONNECTION  
SEE SAN. DISTRICT FOR  
SPECIAL CONNECTION  
CHARGES  
TEL. (310) 699-7411  
EXT. 2727

54314

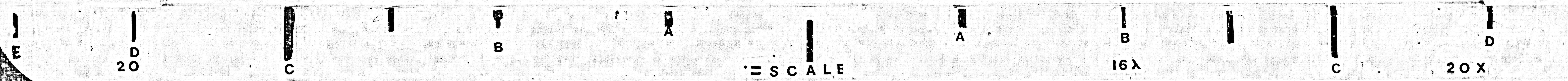
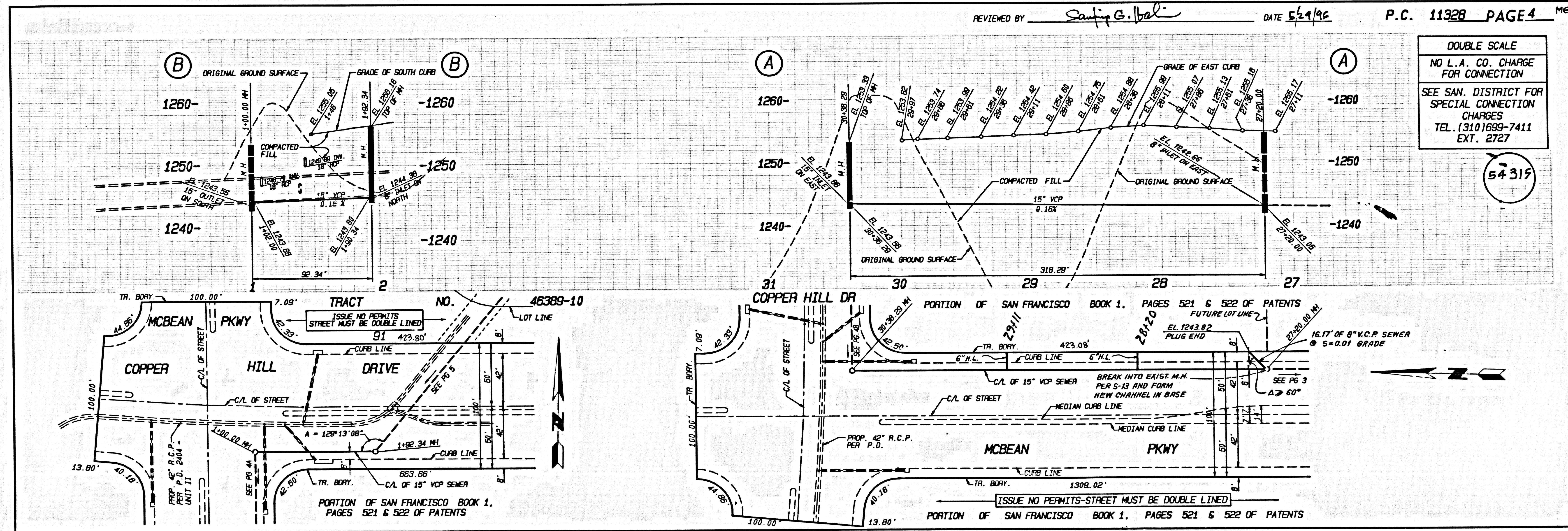


REVIEWED BY *Sally G. Ball* DATE *5/21/96*

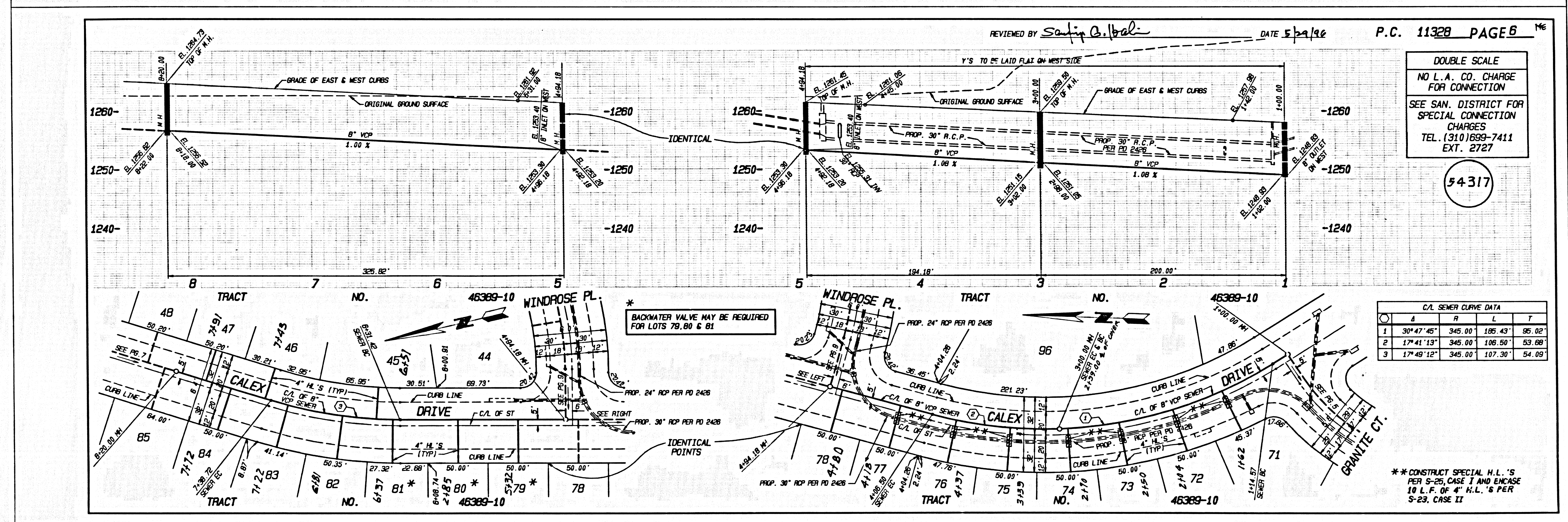
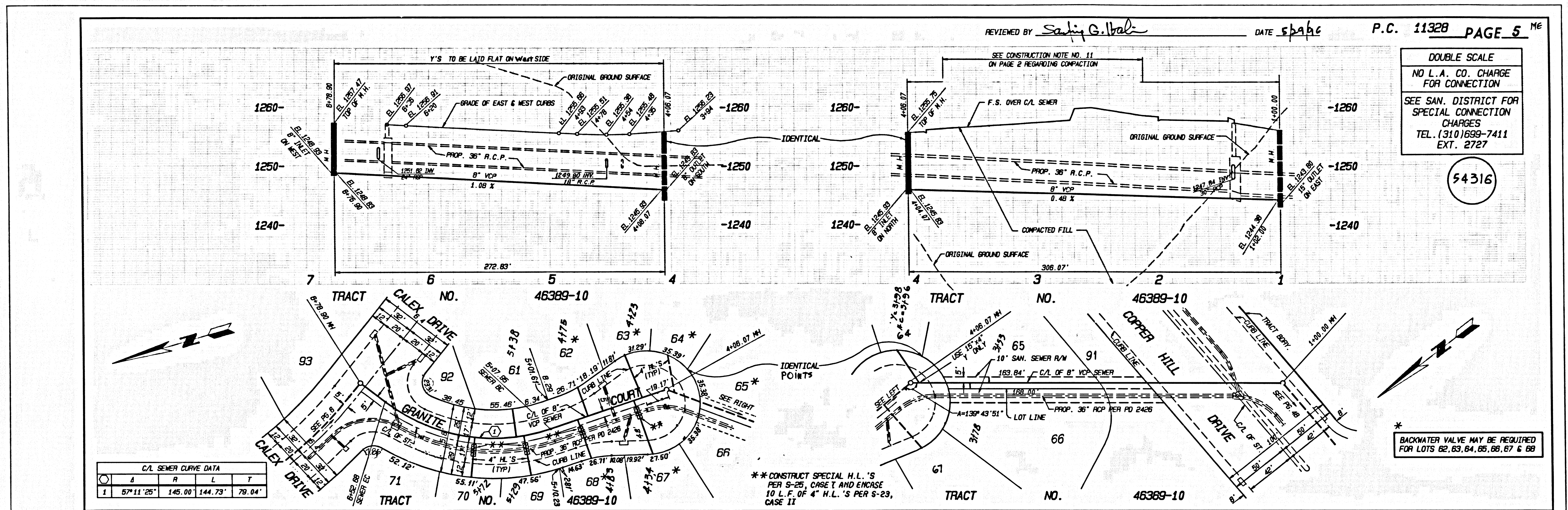
P.C. 11328 PAGE 4 ME

DOUBLE SCALE  
NO L.A. CO. CHARGE  
FOR CONNECTION  
SEE SAN. DISTRICT FOR  
SPECIAL CONNECTION  
CHARGES  
TEL. (310) 699-7411  
EXT. 2727

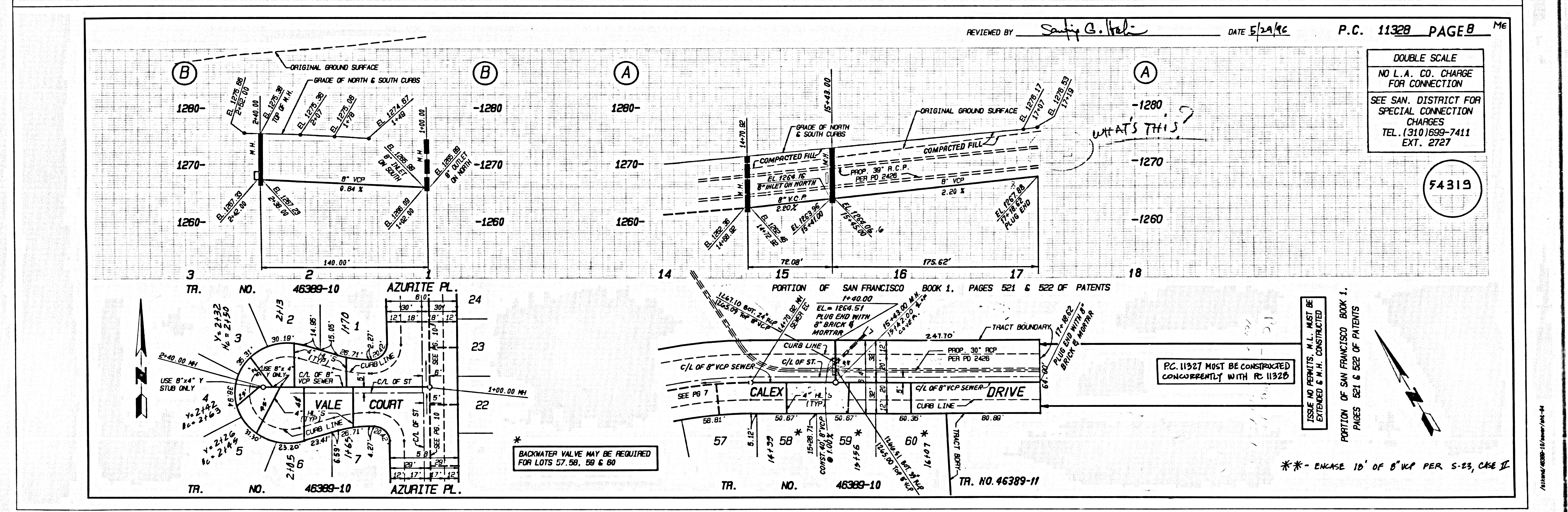
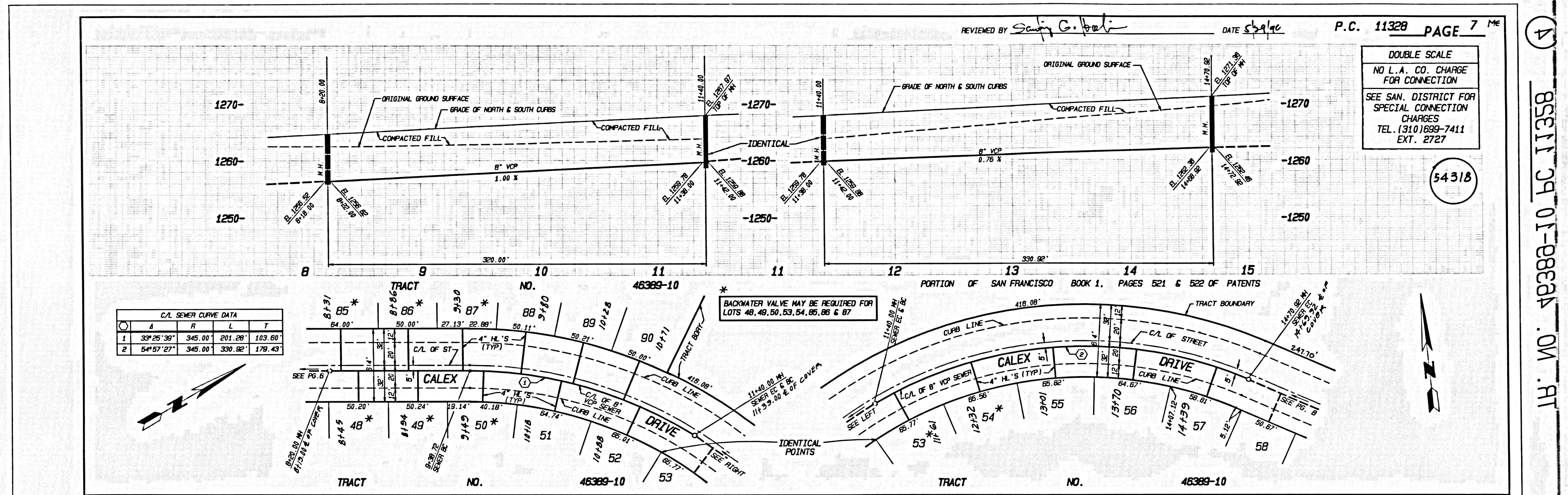
54315



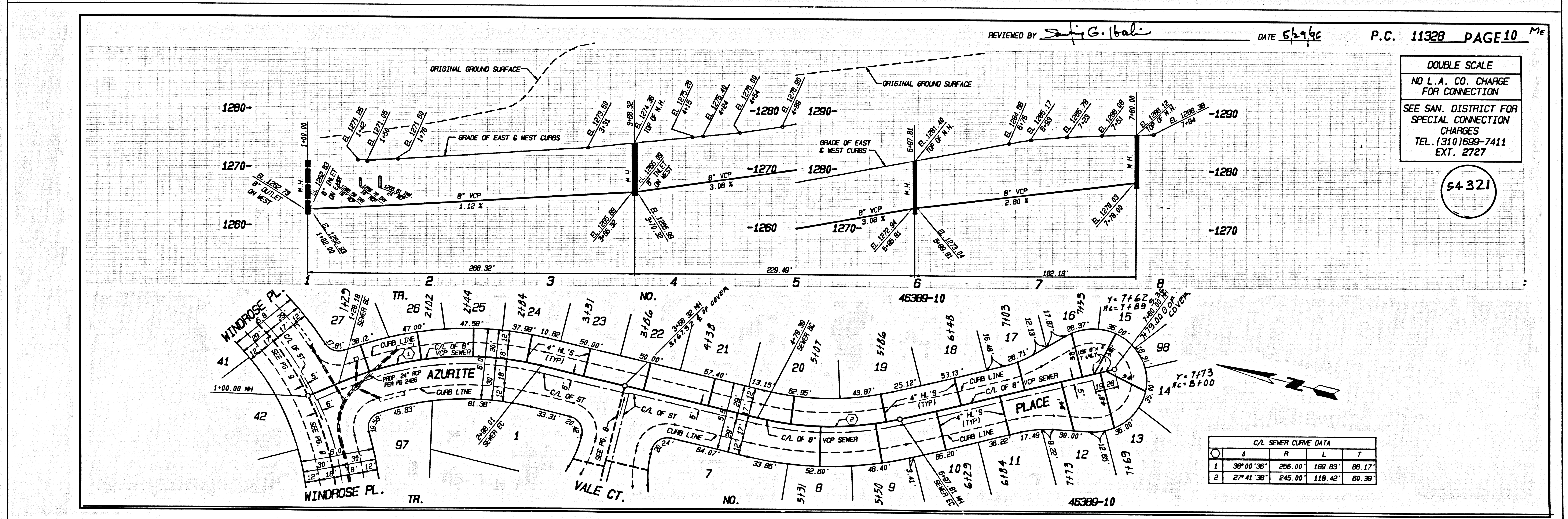
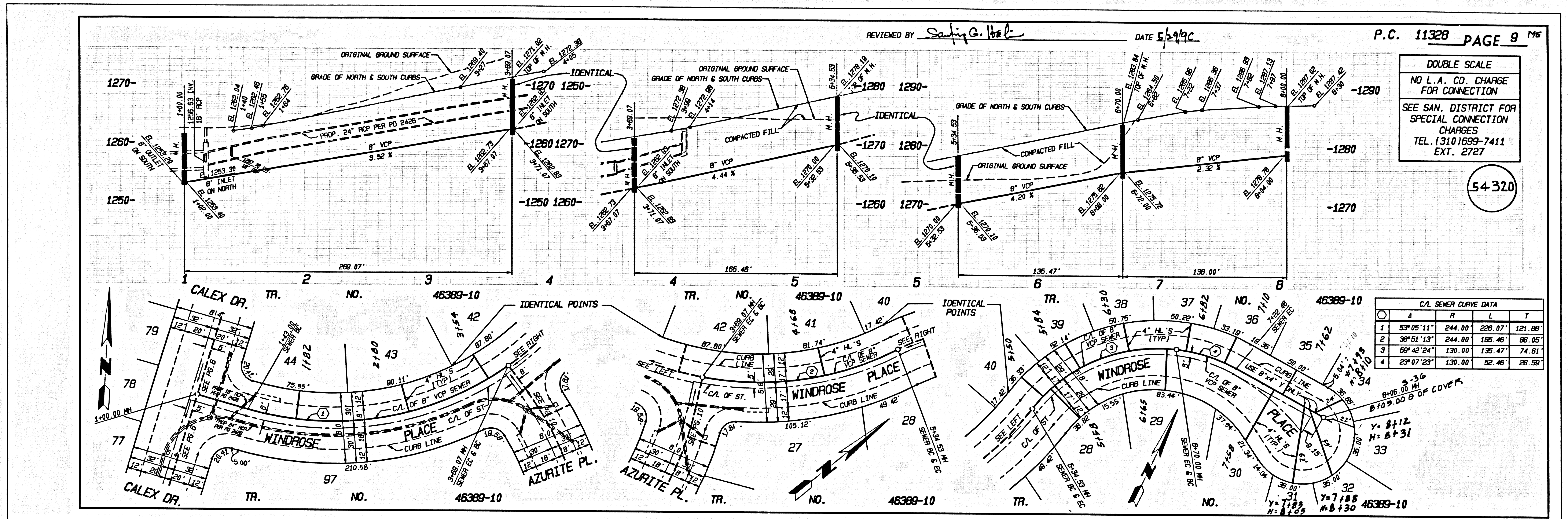
5  
18' MO' 49388-10 BC 11358



3  
85611 29 01-083A 0M RT



4 85111 29 01-08CA 0M RT



11' NO. 49388-10 BC 11358