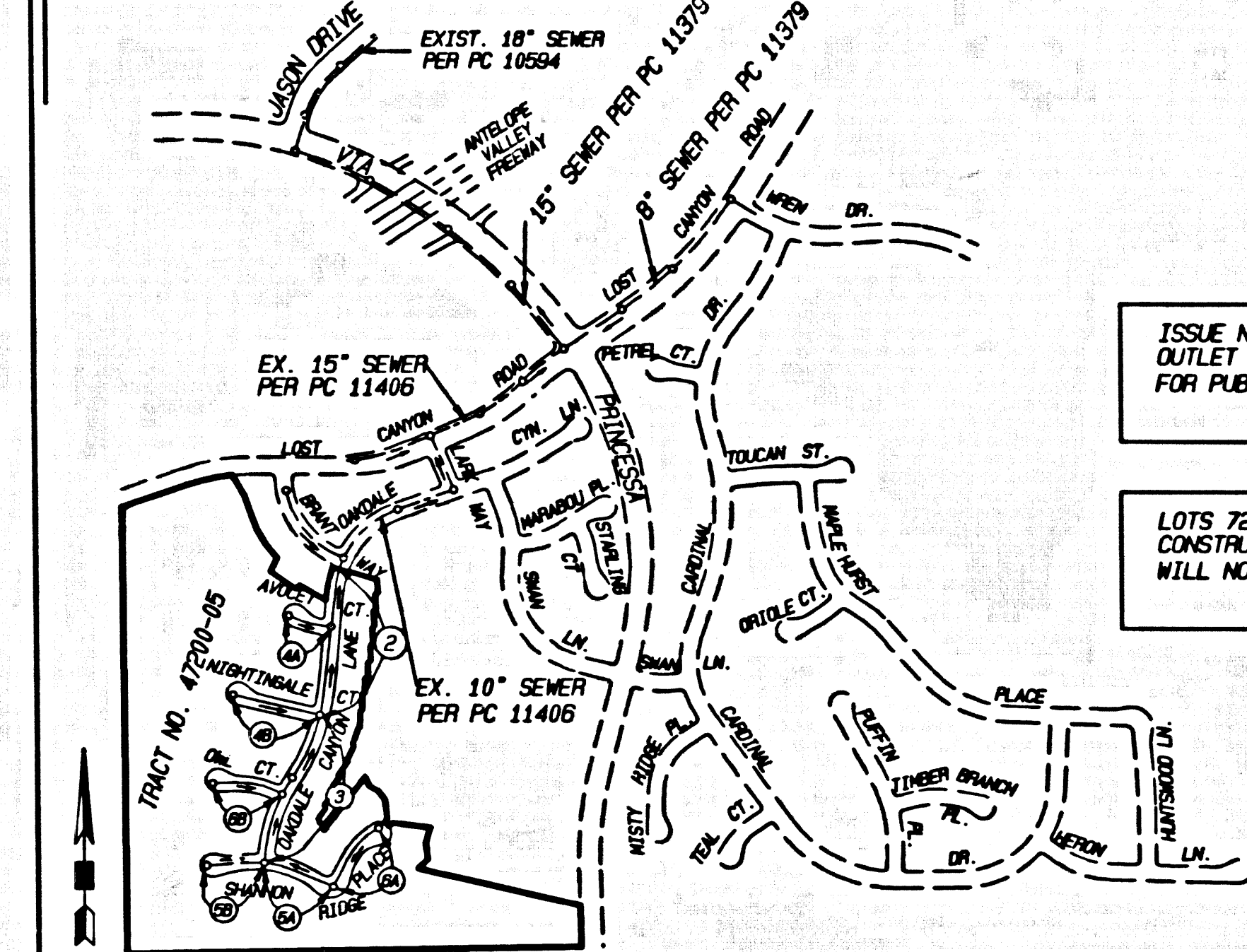


B.M. L 5222 ELEV. 1456.412
D.F.W. BY TAB 1FT N/O BOR @ NE COR SIERRA HWY
& VIA PRINCESSA DRFT N & ABFT E/O C/L INT

NEWHALL QUAD. 19.93



ISSUE NO H.L. CONNECTIONS PERMITS UNTIL
OUTLET SEMER P.C. NO. 11408 IS ACCEPTED
FOR PUBLIC USE BY LOS ANGELES COUNTY.

LOTS 72 THROUGH 75 ARE RESTRICTED TO NO
CONSTRUCTION OF RESIDENTIAL BUILDINGS AND
WILL NOT BE SERVED BY THIS SEMER.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEMER
SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
HAS BEEN ISSUED BY THE SANITATION DISTRICT FOR SAID CONNECTIONS.

P.C. 11428 TRACT NO. 47200-05
THOMAS GUIDE PG. NO. 4551/A-5.6.

NOTE: NUMBERS IN CIRCLES INDICATE PAGE NUMBERS

NO.	REVISION	REVISED BY	APPROVED BY	DATE

STORMWATER POLLUTION CONTROL REQUIREMENTS FOR SEMER CONSTRUCTION

- 1. Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetwash, rillwash, erode drainwash, natural drainage courses or wind.
- 2. Excavation of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- 3. Pile, silt, sediments and other toxic materials must be stored in accordance with their listing and are not to be removed from the site and surface waters. All approved storage containers are to be protected from the weather. Spills may not be washed into the drainage system.
- 4. Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete waste on site until they can be disposed of as solid waste.
- 5. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent accumulation of refuse and disposed by wind.
- 6. Bedbanks and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadway must be stabilized so as to inhibit entrance from being deposited into the public way. Accidental deposits must be swept up immediately and may not be washed down by rain or other means.
- 7. Any slopes with disturbed soils or removed of vegetation must be stabilized so as to inhibit erosion by wind and water.

- The following BMPs as outlined in, but not limited to, the Best Management Practices Handbook, California's Best Management Quality Task Force Report, California, 1993, or the latest revised edition may apply during construction (Additional measures may be required if deemed appropriate by County):
- CA01 - SEWERING OPERATIONS
 - CA02 - PAINTING OPERATIONS
 - CA03 - STRUCTURE CONSTRUCTION AND PAINTING
 - CA04 - MATERIAL DELIVERY AND STORAGE
 - CA05 - SOLID WASTE MANAGEMENT
 - CA06 - HAZARDOUS WASTE MANAGEMENT
 - CA07 - CONCRETE WASTE MANAGEMENT
 - CA08 - SANITARY/SPECIAL WASTE MANAGEMENT
 - CA09 - VEHICLE AND EQUIPMENT CLEANING
 - CA10 - VEHICLE AND EQUIPMENT FUELING
 - CA11 - SCHEDULE
 - CA12 - PRESERVATION OF EXISTING VEGETATION
 - ES01 - SEEDING AND PLANTING
 - ES02 - MULCHING
 - ES03 - GEOTEXTILES AND MATS
 - ES04 - EROSION CONTROL
 - ES05 - TEMPORARY SOIL CROSSING
 - ES06 - CONSTRUCTION ROAD STABILIZATION
 - ES07 - STABILIZED CONSTRUCTION ENTRANCE
 - ES08 - STORM DRAIN INLET PROTECTION

STANDARD PLANS:
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.

- AMERICAN PUBLIC WORKS ASSOCIATION
- AWA 200-4 - EXISTING TWO EXISTING MANHOLES
 - AWA 200-4 - HOUSE CONNECTION SEMER
 - AWA 200-4 - HOUSE CONNECTION RENEWAL
 - AWA 200-4 - REINFORCED PRECAST CONCRETE MANHOLE
 - AWA 200-4 - MANHOLE PROTECTION FOR EXISTING
- LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
- 200-4 - LEGEND FOR SANITARY SEMER PLANS AND PROFILES AND DISTRICT MAPS
 - 200-4 - SECTION FOR HOUSE PIPE
 - 200-4 - SECTION FOR HOUSE PIT
 - 200-4 - ALLIANCE CHECK WITH
 - 200-4 - MINIMUM SAFETY REQUIREMENTS
 - 200-4 - STANDARD MANHOLE SIZE
 - 200-4 - CHAINING AND CASING
 - 200-4 - REQUIREMENTS FOR SAN. SEMER NEAR WATER WAYS

PRIVATE CONTRACT SEMER GENERAL NOTES

- 1. A SEMER CONSTRUCTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE DEPARTMENT OF PUBLIC WORKS PRIOR TO THE START OF CONSTRUCTION. THE PERMIT HOLDER SHALL BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.
- 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 CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.
- 3. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAY AND SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
- 4. WHEN WORK IS TO BE DONE IN A STATE HIGHWAY, THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO OBTAIN THE NECESSARY PERMIT FOR THE CONSTRUCTION OF SANITARY SEMER. THIS NOTE APPLIES TO ALL CITIES.
- 5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ENGINEER LISTED ON THE "APPLICATION FOR CONSTRUCTION PERMIT" TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE AND SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (323)498-3138 AT LEAST THIRTY-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, INCLUDING SUPPLEMENTALS AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEMER. AND SHALL BE PROTECTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS PERSONNEL.
- 8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-11.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY ORDERS AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD P-1.
- 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. SPACES 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, CURB OR FINISH GRADE POINTS AT ALL POINTS BETWEEN DESIGNATED POINTS.
- 13. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH SPACE SHEETS AND STATIONINGS FOR ALL HOUSE LATERALS AND "ON-T" 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 SEMER EXCEPT AIR 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 SPACE SHEET.

CONSTRUCTION NOTES

- 1. TRENCH BRANCHES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEMER LINE AT THE CENTERLINE OF EACH MANHOLE.
- 2. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "B" PER STANDARD SPECIFICATIONS SECTION 200-8.
- 3. IF HOUSE PILES OR RETAINING WALLS ARE FOUND, THE SEMER SHALL BE ENCASED PER STANDARD PLAN 200-1, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 4. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "D" FIFTH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-2.
- 5. HOUSE LATERALS TO BE CONSTRUCTED WITH DOWNCAST AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- 6. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEMER EXCEPT AS NOTED.
- 7. IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAINLINE SEMER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY COVER OVER THE TOP OF THE SEMER PER STANDARD PLAN 200-1, CASE II, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- 8. ALL STRUCTURES SHALL BE EITHER BRICK SEMER MANHOLES PER STANDARD PLAN 200-4 OR PRECAST CONCRETE SEMER MANHOLES PER STANDARD PLAN 200-4.
- 9. REPAIRS ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS WITHIN THE POINTS.
- 10. FULL COMPLIANCE WITH SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS, INTERSECTIONS, BACKLASH CONNECTIONS AND SAND EQUIVALENTS BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF FINAL ACCEPTANCE.
- 11. ALL BACKFILL AND FILLS OUTSIDE OF STREET POINT OF WAY SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 COMPACTOR TEST. DENSITY TESTING SHALL BE DONE AT 4' INTERVALS. THIS SHALL BE CERTIFIED BY A QUALIFIED CIVIL ENGINEER PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
- 12. MANHOLE TOPS IN IMPROVED AREAS OF WAY TO BE LEVEL WITH FINISHED GRADE.
- 13. SEMER TO BE TESTED FOR LEAKAGE PER SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- 14. ALL WYE AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET AWAY AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.

PROFILE, ALIGNMENT AND GRADE OF 55002
SANITARY SEMERS
TO BE CONSTRUCTED IN

TRACT NO. 47200-05 PC NO. 11428
3 SHEETS: 6 PAGES

COUNTY OF LOS ANGELES CALIFORNIA
INDEX - 1417

HARRY V. STONE
DIRECTOR OF PUBLIC WORKS

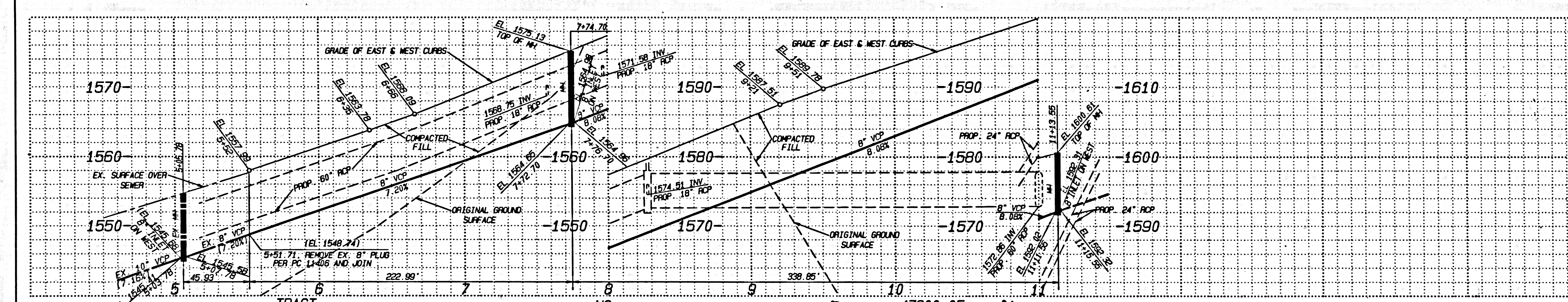
APPROVED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
BY *Ronald A. O'Leary* 2-11-99
DATE

SUBMITTED BY *P.D. Smith* 2-11-99
DATE

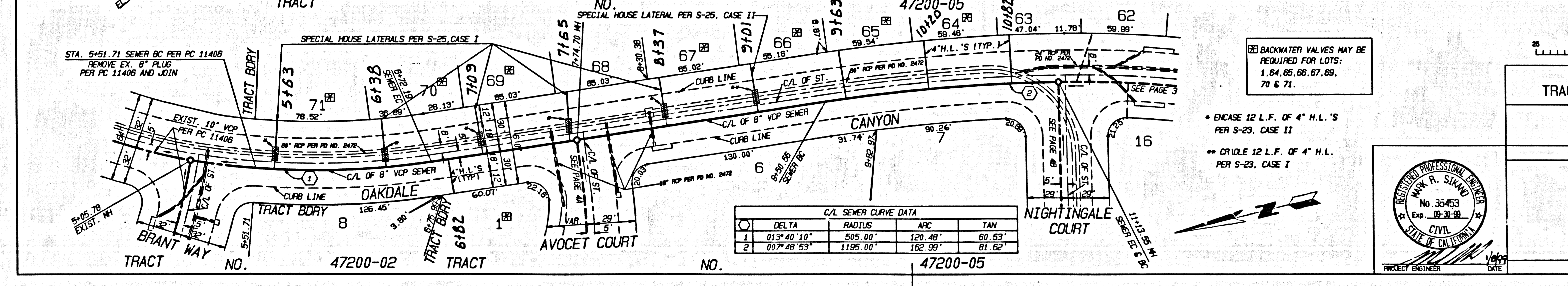
APPROVED: COUNTY SANITATION DISTRICT
OF LOS ANGELES CALIF.
CHARLES W. CARRY - CHIEF ENGINEER AND GENERAL MANAGER
COUNTY SANITATION DISTRICT NO. 26
BY *William Egan* DATE: 2-17-99
DATE

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS BELIEVED TO BE 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 SHOWN ON THIS MAP. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-468-4145 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY COOKING OF GROUND TELEPHONE COMPANY AT 1-800-546-4611 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

William Egan 2/10/99
DATE



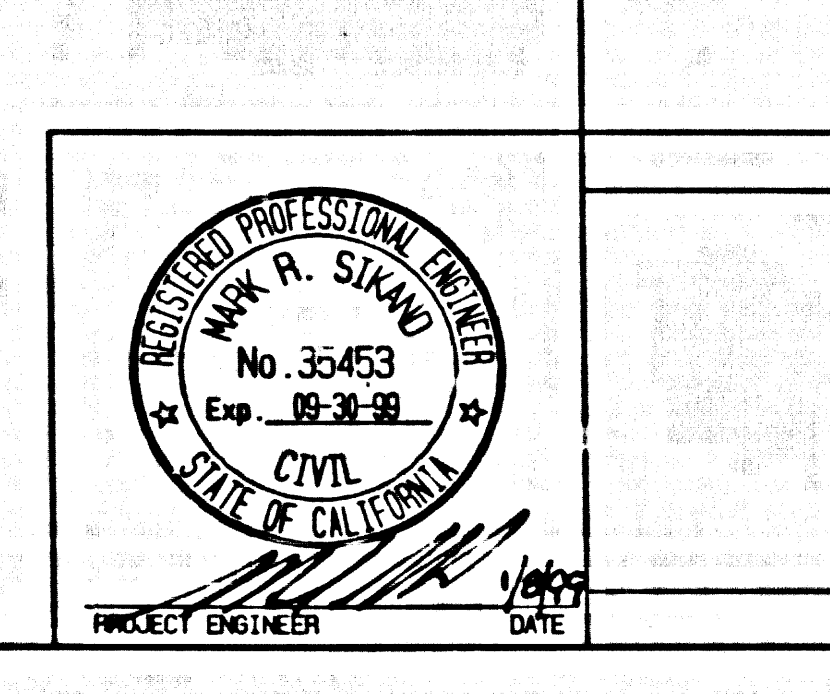
NO L.A. CO. CHARGE FOR CONNECTION
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
TEL. (800) 800-7411 EX. 277
55003



C/L SEMER CURVE DATA

NO.	DELTA	RADIUS	ARC	TAN
1	03° 46' 19"	536.00'	129.48'	60.53'
2	07° 48' 53"	1136.00'	182.98'	81.82'

ENCASE 12 L.F. OF 4" H.L.'S PER 5-23, CASE II
ENCASE 12 L.F. OF 4" H.L.'S PER 5-23, CASE I



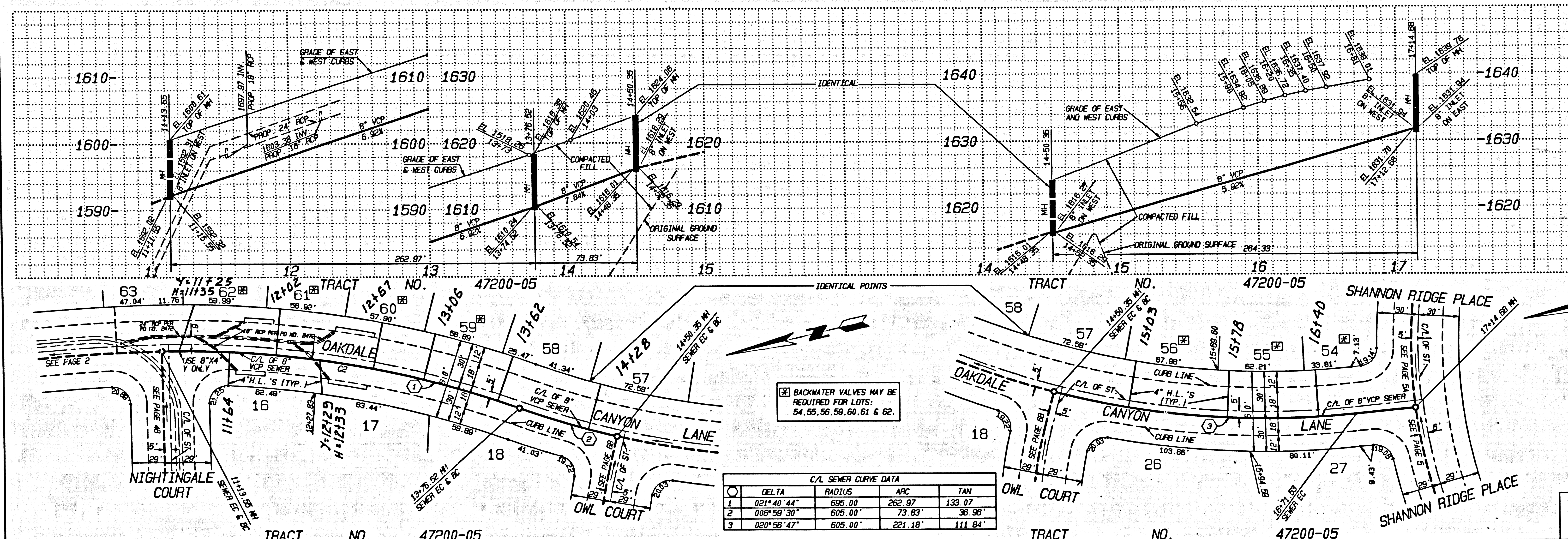
PLAN SCALE: 1" = 40'

SANITARY SEMER PLANS IN TRACT NO. 47200-05 PC NO. 11428

REVISOR BUILDING & SAFETY/LAND DEVELOPMENT DIVISION BY *William C. Ibelio* 2/10/99
DATE

PREPARED BY: SIKRUD ENGINEERING ASSOCIATES CONSULTING ENGINEERS
15234 BURBANK BLVD., VAN NUYS, CALIFORNIA 91411 (818) 787-8558

1
85411 09 20-00574 .0M TRACT



NO. L.A. CO. CHARGE FOR CONNECTION
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
TEL. (902) 809-7411 EX. 2727

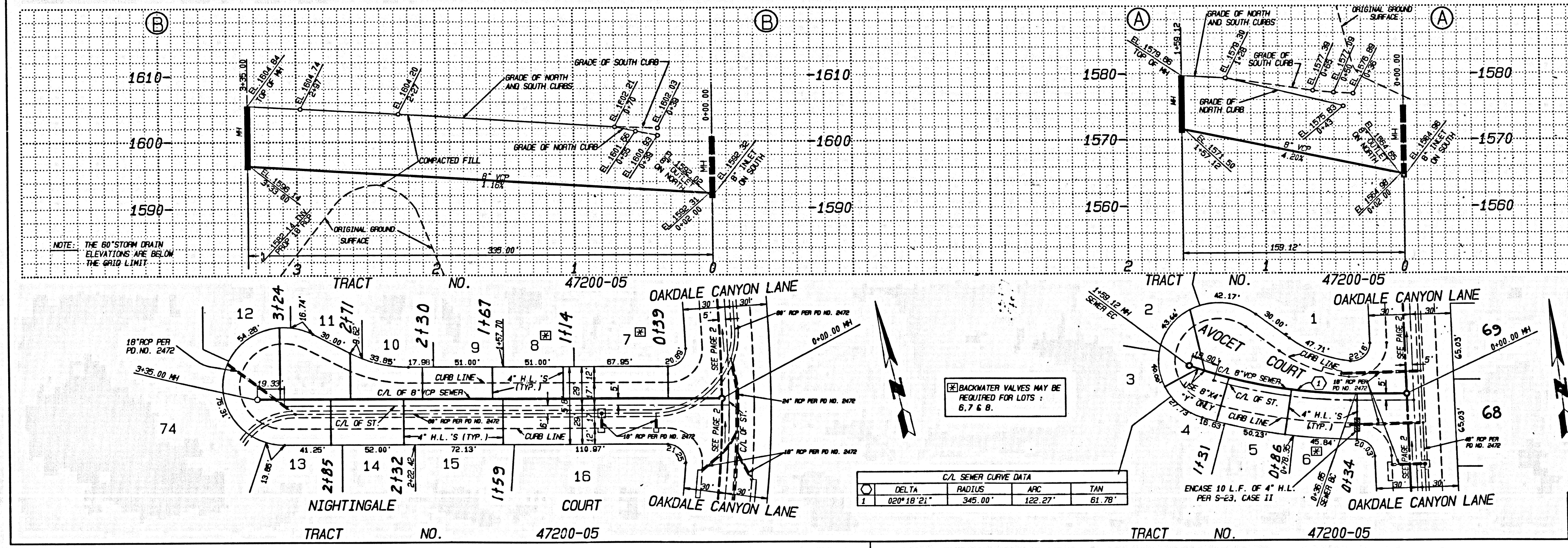
55004

BACKWATER VALVES MAY BE REQUIRED FOR LOTS: 54, 55, 56, 59, 60, 61 & 62.

C/L SEMER CURVE DATA			
DELTA	RADIUS	ARC	TAN
1 021°40'44"	605.00	263.97	133.07
2 006°59'30"	605.00	73.63	38.96
3 021°56'47"	605.00	221.18	111.84

REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
By Sauhin G. Iralis 2/10/99 DATE
SUBDIVISION PLAN CHECKING SECTION

5
85411 29 20-00574 .0M TRACT



NO. L.A. CO. CHARGE FOR CONNECTION
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
TEL. (902) 809-7411 EX. 2727

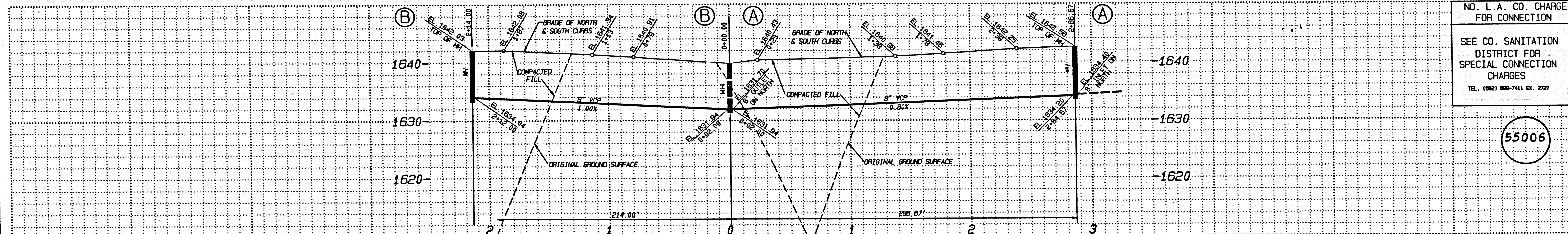
55005

BACKWATER VALVES MAY BE REQUIRED FOR LOTS: 6, 7 & 8.

C/L SEMER CURVE DATA			
DELTA	RADIUS	ARC	TAN
1 020°18'21"	345.00	122.27	61.78

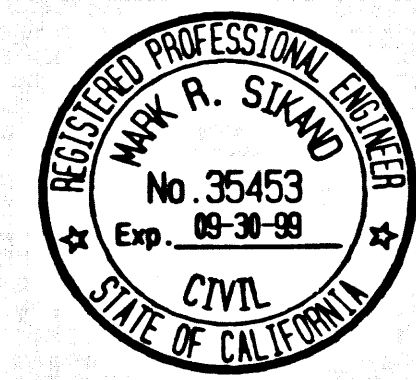
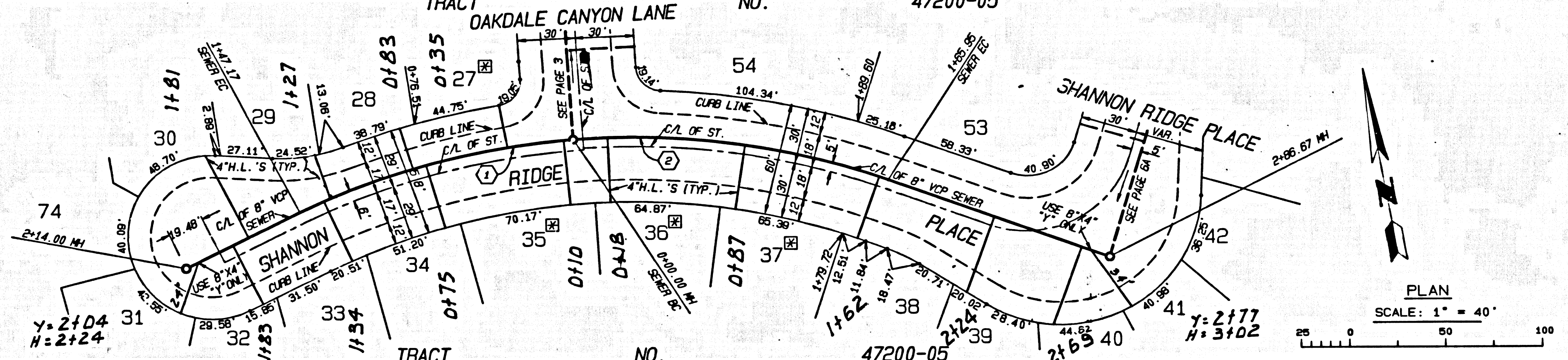
REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
By Sauhin G. Iralis 2/10/99 DATE
SUBDIVISION PLAN CHECKING SECTION

PS000216-2



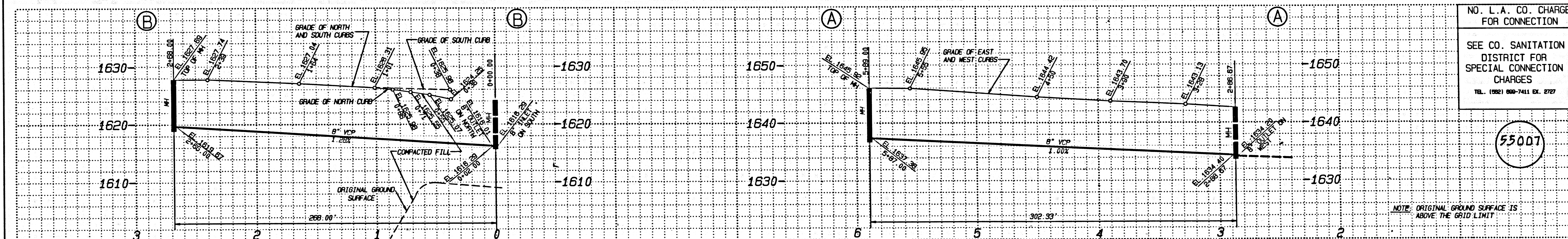
C/L SEWER CURVE DATA			
DELTA	RADIUS	ARC	TAN
1 021°54'05"	385.00	147.17'	74.49'
2 024°41'49"	385.00	163.35'	84.28'

BACKWATER VALVES MAY BE REQUIRED FOR LOTS: 27, 35, 36 & 37



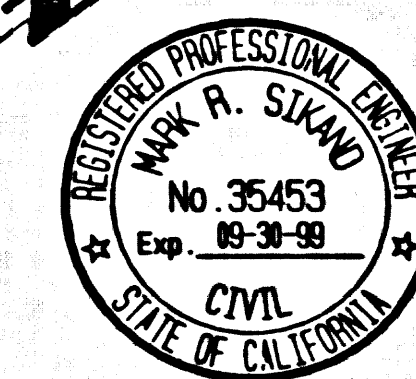
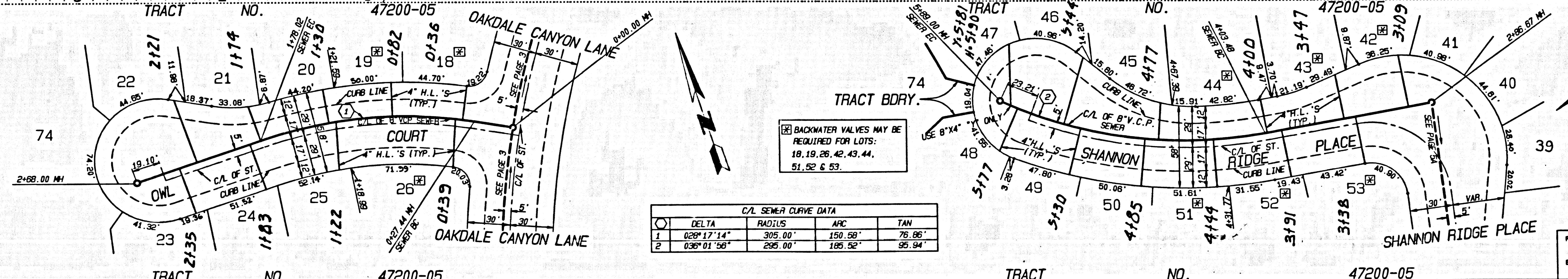
REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
 BY Santi G. Irala 2/10/99
 SUBDIVISION PLAN CHECKING SECTION DATE

TRACT NO. 47200-05 PART 3



C/L SEWER CURVE DATA			
DELTA	RADIUS	ARC	TAN
1 028°17'14"	305.00	150.58'	76.86'
2 036°01'58"	295.00	185.52'	95.94'

BACKWATER VALVES MAY BE REQUIRED FOR LOTS: 18, 19, 26, 42, 43, 44, 51, 52 & 53



REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
 BY Santi G. Irala 2/10/99
 SUBDIVISION PLAN CHECKING SECTION DATE