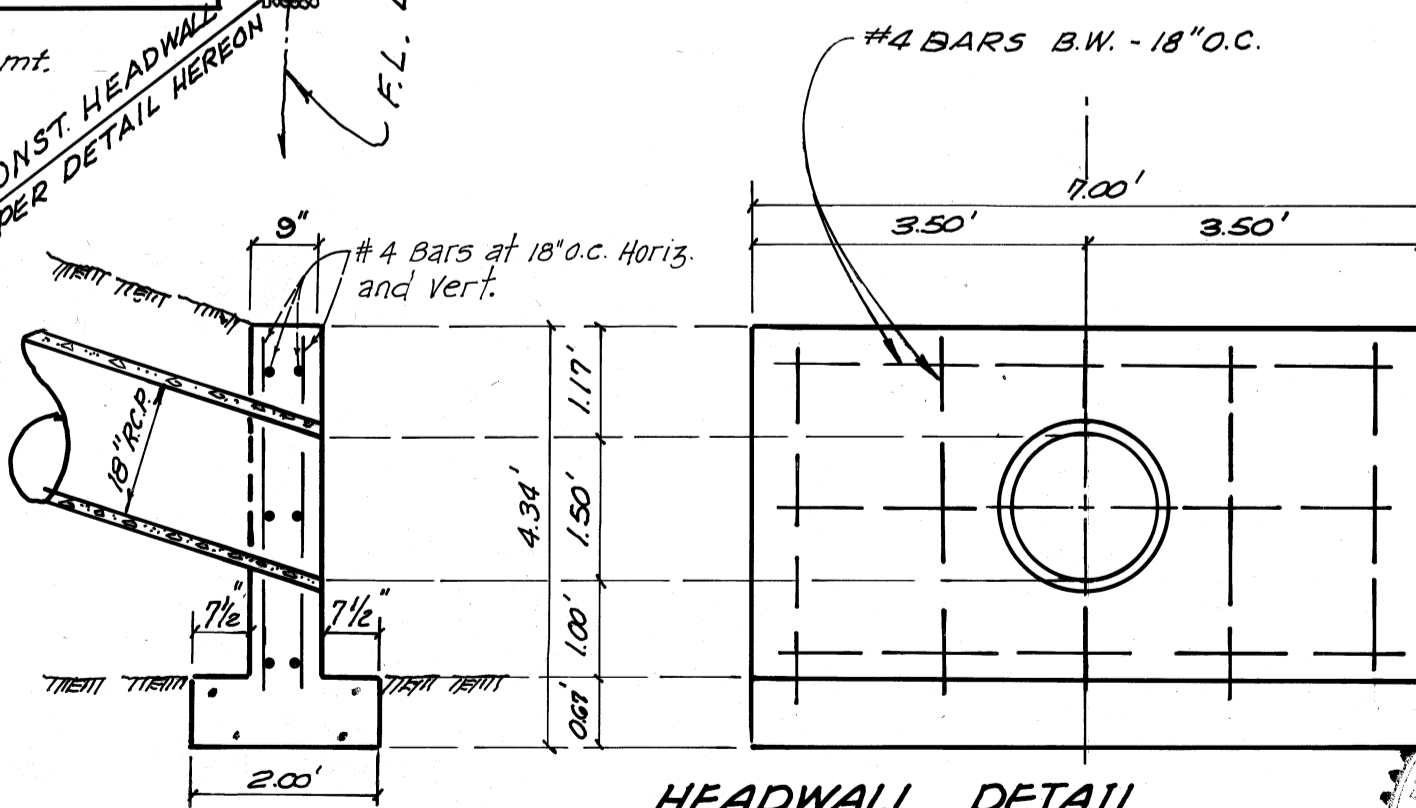
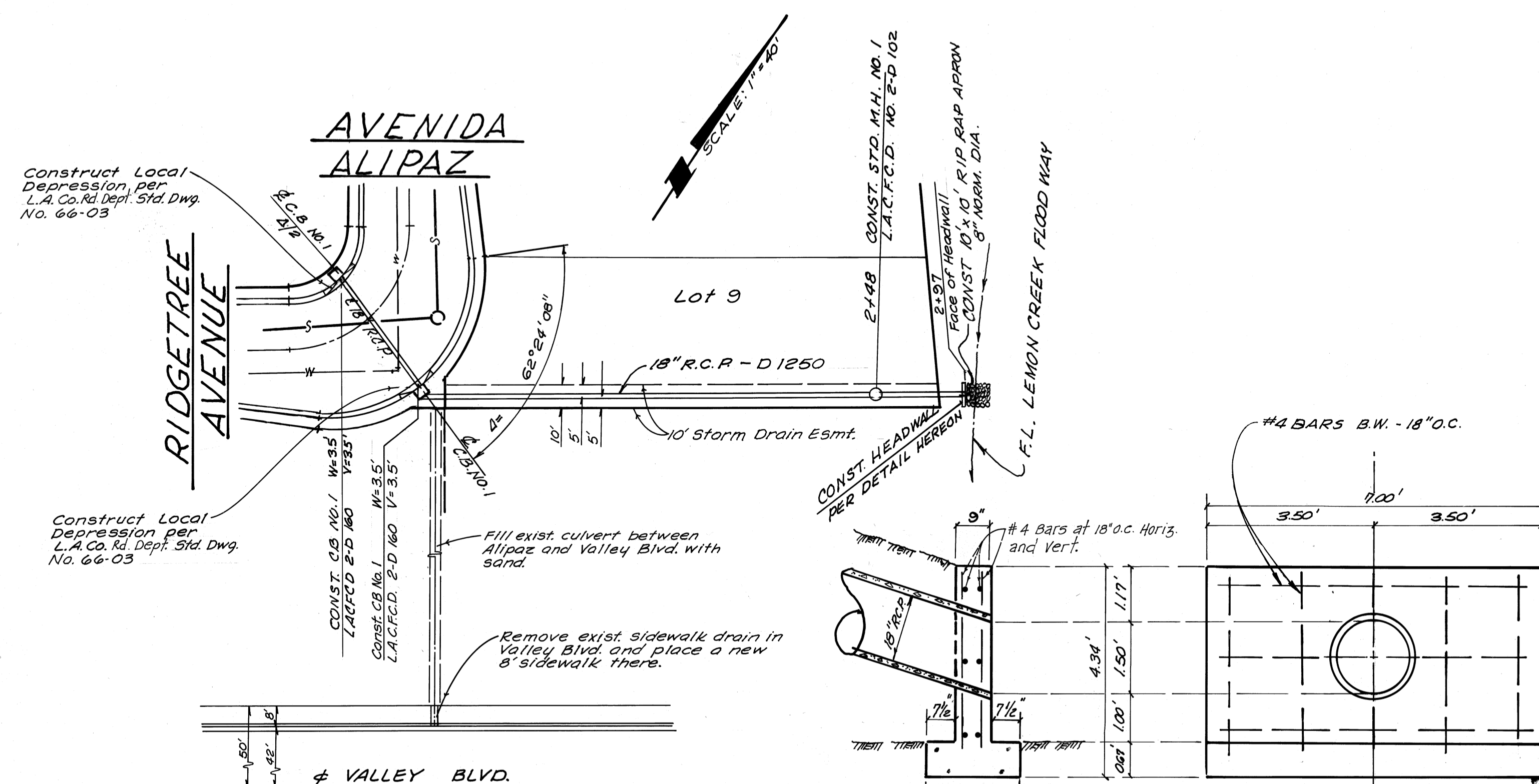


QUANTITY ESTIMATE

M.H. NO. 1	1 EA
C.B. NO. 1 W=3.5'	2 EA
HEADWALL STRUCTURE	1 EA
18" R.C.P. 1500 D	234 L.F.
RIP RAP	8 TONS
18" R.C.P. 2000 D w/ Conc. Backfill	56 L.F.

- GENERAL NOTES FOR STORM DRAIN CONSTRUCTION
- ALL PIPE LAID IN OPEN TRENCH SHALL BE BEDDED IN ACCORDANCE WITH LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STD. NO. 2-D117, CASE III.
 - 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE WALNUT CITY ENGINEER AT (714) 594-9702.
 - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1985 EDITION) '86 & '87 SUPPLEMENTS INCLUDING ALL AMENDMENTS ADOPTED THERETO PRIOR TO THE APPROVAL OF THESE PLANS AND TO THE SATISFACTION OF THE CITY ENGINEER.
 - ALL BACKFILL SHALL BE COMPACTED TO A RELATIVE DENSITY OF 90%.
 - ALL STATE AND LOCAL TRENCH SAFETY RULES WILL BE RIGIDLY ENFORCED.
 - THE CONTRACTOR MUST MAINTAIN ALL TRAFFIC SIGNS IN AN UPRIGHT, READILY DISCERNIBLE POSITION, FREE FROM OBSTRUCTIONS TO MOTORIST'S VISION AND SHALL RESET SAME IN PROPER POSITION UPON COMPLETION OF CONSTRUCTION.
 - ANY EXISTING UTILITIES CROSSING THE STORM DRAIN SHALL BE SUPPORTED PER STD. NO. 2-0173 AS DIRECTED BY THE CITY ENGINEER.
 - RCP SHALL BE MANUFACTURED AND INSPECTED IN ACCORDANCE WITH SECTION 207-2.7, 2.8 AND 2.9 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL FURNISH A LETTER OF CERTIFICATION FROM THE PIPE MANUFACTURER AS TO TEST RESULTS OF THE PIPE INSTALLED.
 - ALL PIPE LENGTHS SHOWN ARE HORIZONTAL PROJECTIONS, UNLESS NOTED OTHERWISE.
 - THE ENGINEER HAS INVESTIGATED ALL AVAILABLE RECORDS OF THE CITY AND OF OTHER PUBLIC UTILITIES INVOLVED, AND ALL KNOWN SUBSTRUCTURES ARE SHOWN HEREON. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY SAID SUBSTRUCTURES DAMAGED BY HIS OPERATIONS IN CONNECTION WITH THE PROSECUTION OF SAID WORK.
 - ELEVATIONS ARE IN FEET ABOVE USG AND GS MEAN SEAL LEVEL DATUM OF 1929.
 - THIS STORM DRAIN WILL NOT BE ACCEPTED FOR MAINTENANCE UNTIL THE STREETS HAVE BEEN PAVED, MANHOLES BROUGHT UP TO GRADE, AND THE SYSTEM CLEANED TO THE SATISFACTION OF THE CITY ENGINEER.
 - THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10 4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARDS TO SAFETY ORDERS.
 - THE CONTRACTOR SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES COUNTY ENGINEER STANDARD S-2.
 - ALL CONCRETE SHALL BE 3000 POUNDS PER SQUARE INCH PORTLAND CEMENT CONCRETE, UNLESS OTHERWISE SPECIFIED.
 - FINISH ALL EXPOSED EDGES WITH 3/4 INCH CHAMFERS.
 - REINFORCEMENT SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE STEEL IN ACCORDANCE WITH ASTM A-615.
 - ROCK FOR GROUTED RIPRAP SHALL BE GOOD QUALITY BROKEN CONCRETE AND/OR RIVER RUN ROCK. THE SMALLEST DIMENSION SHALL EXCEED 3 INCHES AND THE LARGEST DIMENSION SHALL NOT EXCEED 18 INCHES. THE LARGEST DIMENSION SHALL NOT EXCEED 4 TIMES THE SMALLEST DIMENSION.
 - THERE SHALL BE A GROUT BED OF AT LEAST 2 INCHES BENEATH THE FIRST LAYER OF ROCK. ALL THE VOIDS BETWEEN THE ROCKS SHALL BE FILLED WITH GROUT. MAXIMUM SPACING BETWEEN ROCKS SHALL BE 2 INCHES.
 - SURFACE ROCKS SHALL BE EMBEDDED FROM 1/2 TO 2/3 THEIR MAXIMUM DIMENSIONS.



NOTE: If construction of improvements as shown hereon are not commenced within 18 mos. of Approval Date, these plans are subject to review by the City.



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.

CITY OF WALNUT APPROVED

PLANS PREPARED BY:
 KING CIVIL ENGINEERING CORP.
 101 S. KRAEMER BLVD.
 PLACENTIA, CALIF. Lic. Exp. 3/31/07
 R. M. H. Stewart 3/30/87
 CIVIL ENGINEER R.C.E. NO. 20726

REVISIONS	

LIST OF STD. DRAWINGS (L.A.C.F.C.D.)

MANHOLE NO. 1	2 D 102
CATCH BASIN NO. 1	2 D 160

CITY OF WALNUT	
STORM DRAIN	
TR. 44797	SHT. 1 OF 1