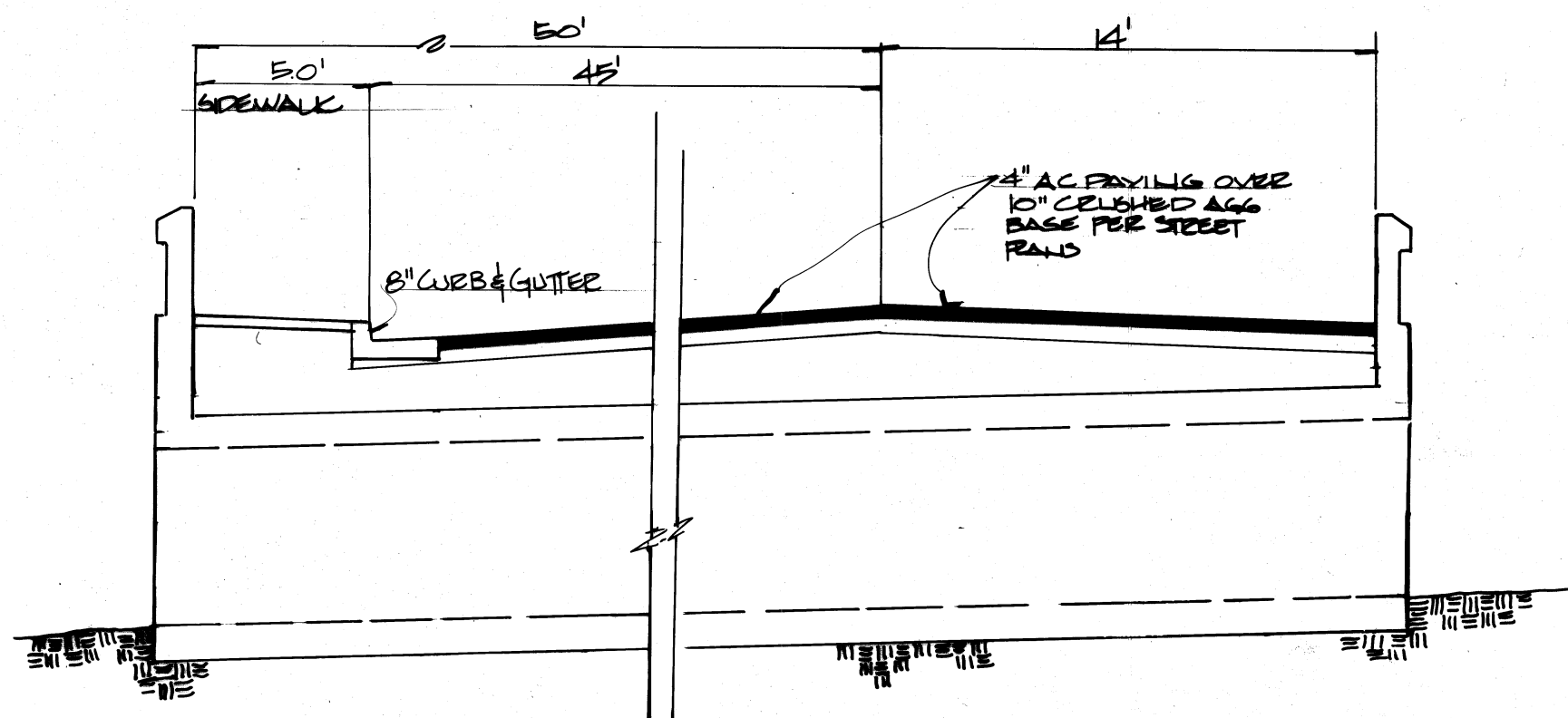
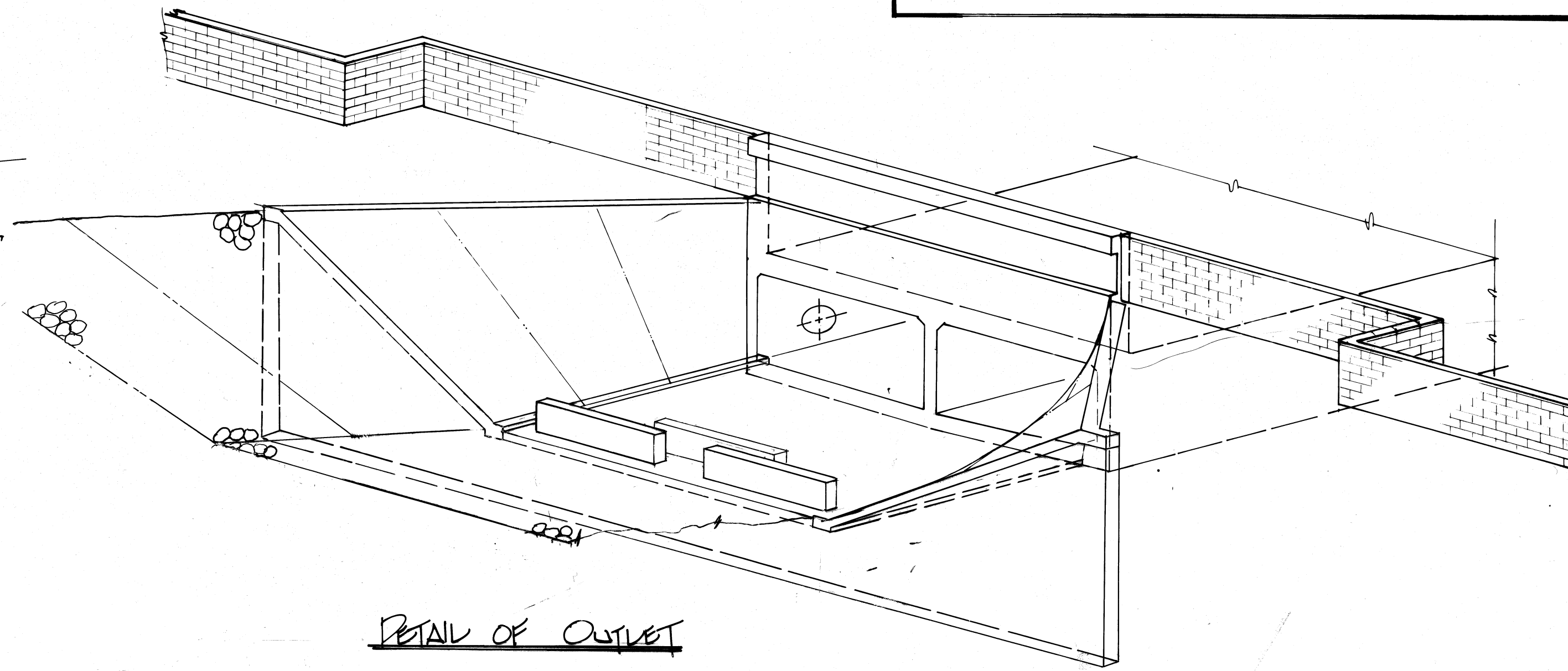
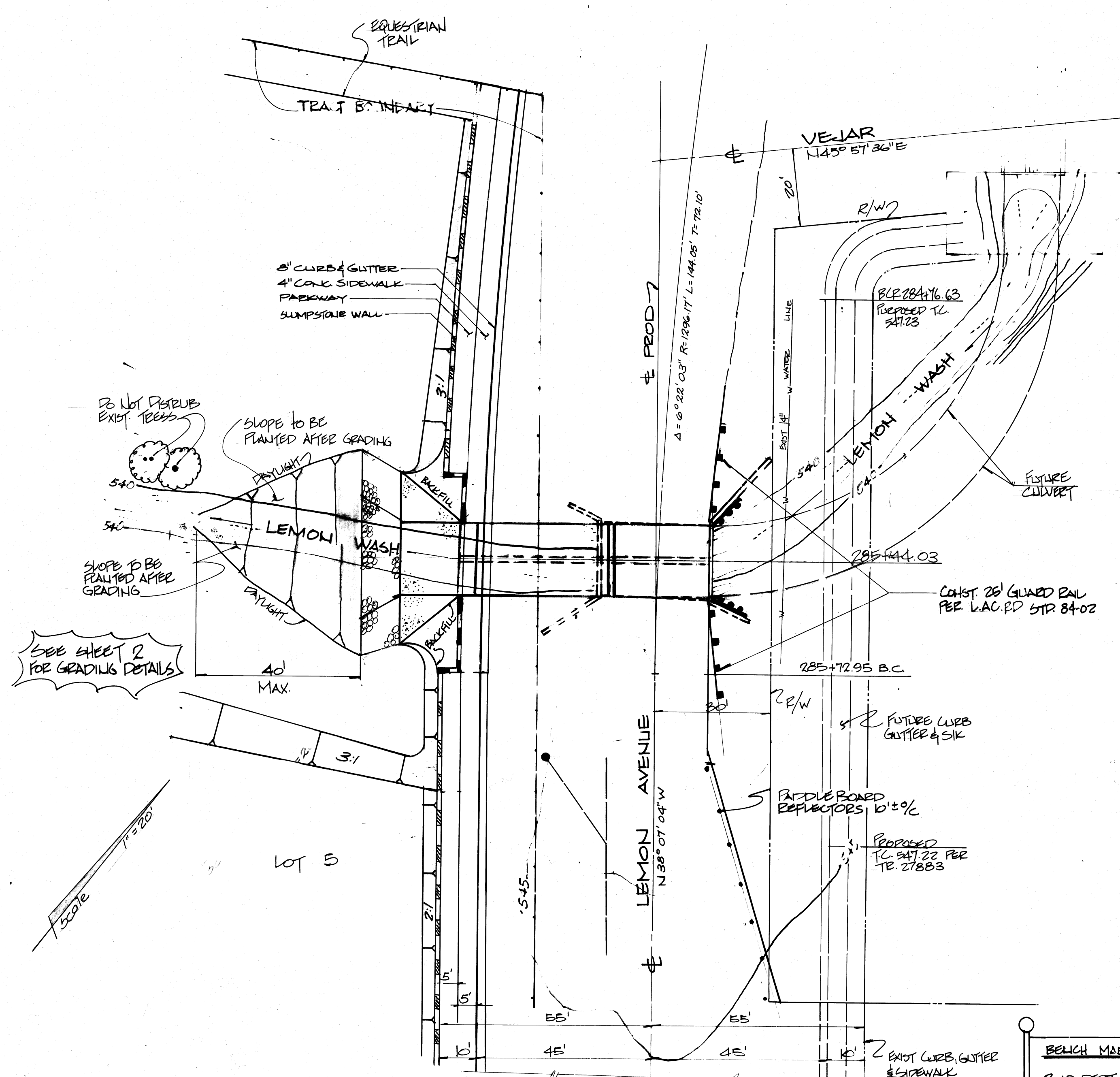
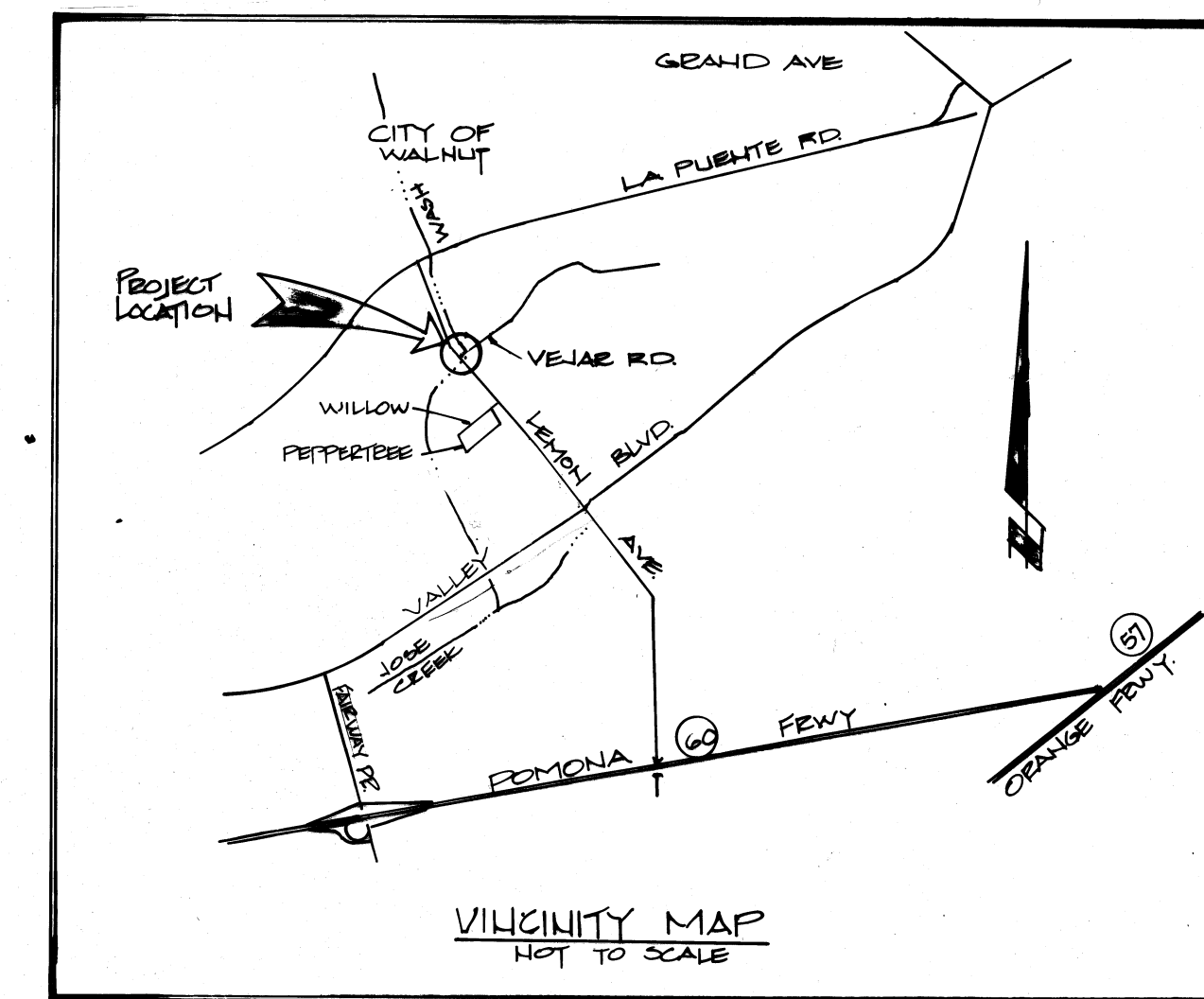


CULVERT PLANS AT LEMON AVENUE AND LEMON WASH

TRACT 37980



STREET CROSS SECTION
@ E NOT TO SCALE



DETAIL OF OUTLET

SPECIFICATIONS

DESIGN:
 A.A.S.H.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES,
 TWELFTH EDITION, 1971
 DESIGN LOADS: HS 20-44
 DESIGN STRESSES:
 CONCRETE $f'_c = 1,350$ PSI
 REINFORCING STEEL (GRADE 60) $f'_s = 24,000$ PSI
 EARTH LOAD 120 PCF
 EQUIV. FLUID PRESSURE 36 PCF

CONSTRUCTION:
 STANDARD SPECIFICATIONS FOR PUBLIC WORKS
 CONSTRUCTION (1979).

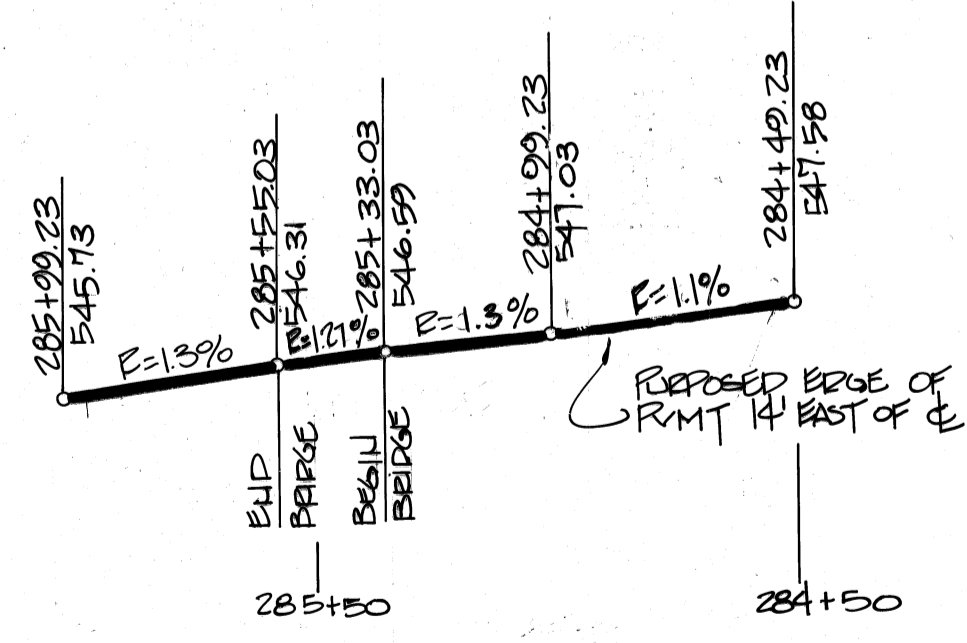
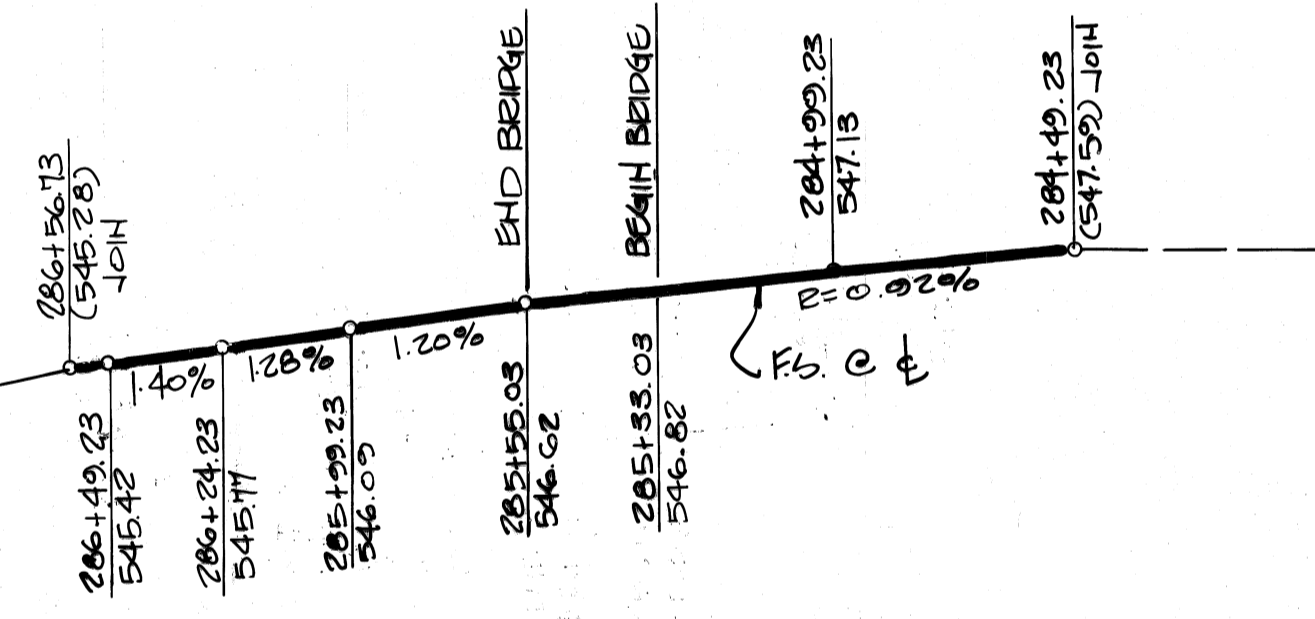
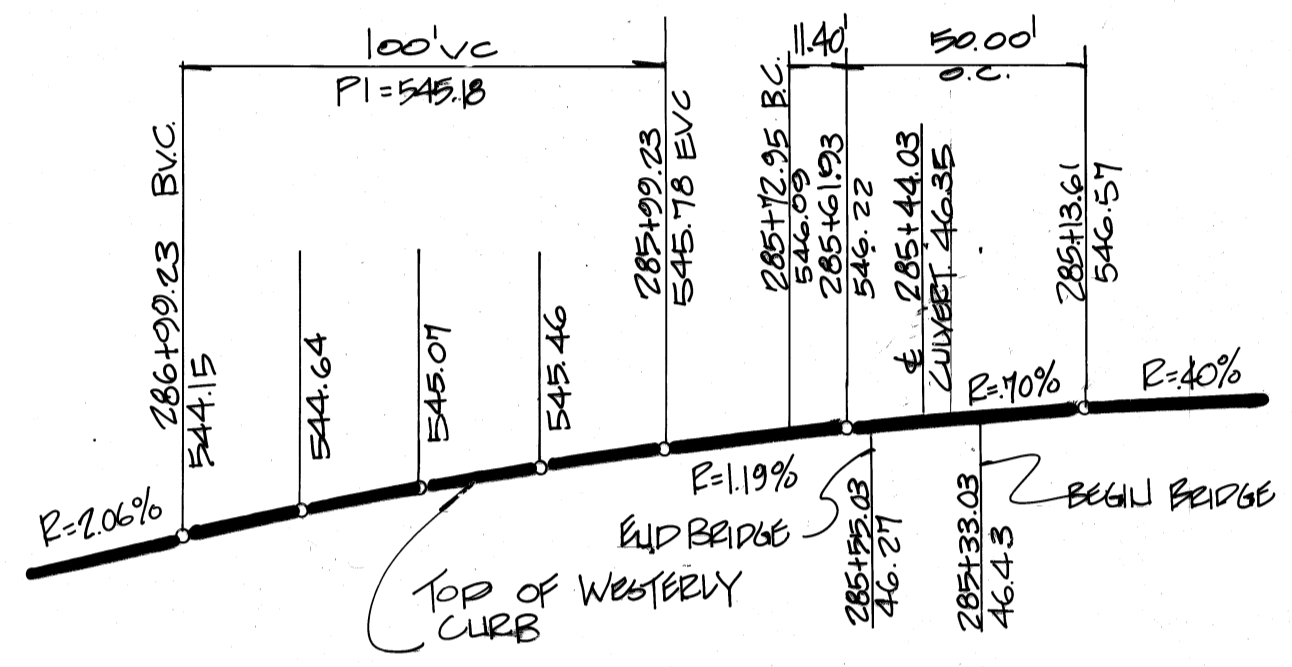
SEE SHEET 2 FOR GRADING DETAILS

BENCH MARK: GG 1788 ELEV. 433.053
 ROAD DEPT. TAG N CURB VALLEY BLVD
 1' W/O CATCH BASIN, 45' N/O VALLEY BLVD,
 0.2 MI E/O LA SECA ED.
 QUAD 19

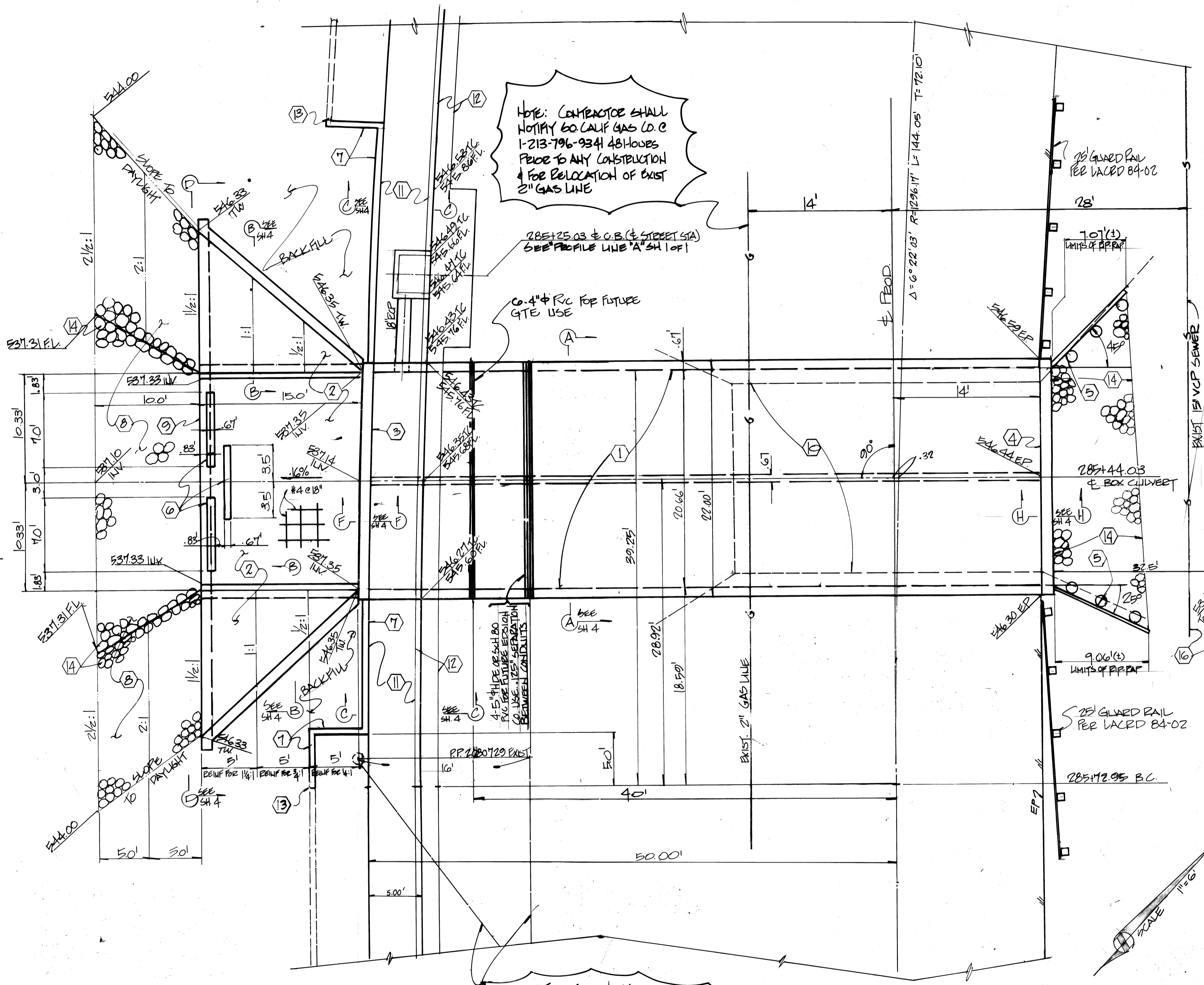
Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this Project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor 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.

| | | | |
|--------------|--|------------------------------|--|
| TRACT 37980 | | CITY OF WALNUT | |
| BRIDGE PLANS | | LEMON AVENUE OVER LEMON WASH | |
| 121A | | SHEET 1 OF 4 | |

| | | | | | | | | | | | |
|---|--|---|------------------|---------------|----------------|------------|--|------------------|---------------|----------------|------------|
| CITY OF WALNUT APPROVED CITY ENGINEER, R.E. 5/1/80 DATE | PLANS PREPARED BY: J.P. KAPP & ASSOCIATES, INC. CONSULTING CIVIL ENGINEERS 501 PARK CENTER DRIVE, SUITE 200 SANTA ANA, CALIFORNIA 92705 PHONE (714) 247-8445 J.P. KAPP R.E. 22015 DATE 1-25-80 | REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">REVISED BY _____</td> <td style="width: 50%;">RE. NO. _____</td> </tr> <tr> <td>APPROVED _____</td> <td>DATE _____</td> </tr> </table> | REVISED BY _____ | RE. NO. _____ | APPROVED _____ | DATE _____ | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">REVISED BY _____</td> <td style="width: 50%;">RE. NO. _____</td> </tr> <tr> <td>APPROVED _____</td> <td>DATE _____</td> </tr> </table> | REVISED BY _____ | RE. NO. _____ | APPROVED _____ | DATE _____ |
| REVISED BY _____ | RE. NO. _____ | | | | | | | | | | |
| APPROVED _____ | DATE _____ | | | | | | | | | | |
| REVISED BY _____ | RE. NO. _____ | | | | | | | | | | |
| APPROVED _____ | DATE _____ | | | | | | | | | | |



STREET PROFILE
SCALE HORIZ 1"=40'
VERT 1"=4'



NOTE: CONTRACTOR SHALL NOTIFY 60 CALIF GAS CO. @ 1-213-796-9341 48 HOURS PRIOR TO ANY CONSTRUCTION & FOR RELOCATION OF EXIST 2" GAS LINE

CONTRACTOR NOTE: EXIST UNDERGROUND UTILITIES. CONTRACTOR SHALL NOTIFY 60 CALIF GAS CO. @ 1-213-796-9341 48 HOURS PRIOR TO ANY CONSTRUCTION AND INSPECTION OF NEW COMPACTS

- CONSTRUCTION NOTES:**
- CONSTRUCT DOUBLE BOX CULVERT PER CALTRANS STD. NO. 81 WITH SPAN=10' & HEIGHT=5'. SEE SHEET 4 SECTION A-A FOR STRUCTURAL DETAILS.
 - CONSTRUCT WARPED CONCRETE WING WALL W/APR21 PER CALTRANS STD. D86-A1 SEE SHEET 4 SECTION B-B FOR STRUCTURAL DETAILS.
 - CONSTRUCT CONCRETE BARRIER TYPE 26 PER CALTRANS STD. B11-54 W/CONCRETE HEADWALL. SEE SHEET 4 SECTION F-F FOR STRUCTURAL DETAILS.
 - CONSTRUCT CONCRETE BARRIER TYPE 25A PER CALTRANS STD. B11-53 WITH CONCRETE HEADWALL. SEE SHEET 4 SECTION H-H FOR STRUCTURAL DETAILS.
 - CONSTRUCT TEMPORARY TIMBER WING WALLS. SEE SHEET 3 FOR STRUCTURAL DETAILS.
 - CONSTRUCT CONCRETE ENERGY DISSIPATORS SEE SHEET 4 SECTION D-D FOR STRUCTURAL DETAILS.
 - CONSTRUCT 3'-2" SLUMPSTONE WALL PER SECTION C-C ON SHEET 4.
 - CONSTRUCT RIP-RAP APRON. SEE DETAIL ON SHEET 1 GRADING PLAN & NOTE (K) HEREON.
 - CONSTRUCT CONCRETE CUT-OFF WALL PER CALTRANS STD. DWG. D86-A1. SEE SHEET 4 SECTION D-D FOR STRUCTURAL DETAILS.
 - REMOVE EXISTING BRIDGE & WING WALLS.
 - CONSTRUCT 4" RCC SIDEWALK PER CITY OF WALNUT STD. DWG. NO. WS-505 SEE STREET PLANS.
 - CONSTRUCT 8" CURB & GUTTER TYPE A2 PER CITY OF WALNUT STD. DWG. NO. WS-504.
 - JOIN SLUMPSTONE WALL AS SHOWN ON TRACT GRADING PLAN.
 - ROCK FOR RIP-RAP SHALL BE GOOD QUALITY BROKEN CONCRETE AND/OR RIVER RUN ROCK. MIN. SIZE SHALL BE 12".
 - UNLESS OTHER WBE NOTED:
 - REINFORCING STEEL SHALL HAVE 2" COVER
 - BAR SPACES SHALL BE STAGGED AND LAPPED 36 BAR DIAMETER MIN.
 - ALL REINFORCING STEEL SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
 - EXIST UTILITIES ARE SHOWN FROM ALL AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR THE LOCATION, PROTECTION, REMOVAL OR RELOCATION OF ALL UTILITIES ABOVE OR BELOW GROUND, WITHIN THE LIMITS OF GRADING AND ALONG ANY ROUTE OF TRAVEL OF EQUIPMENT.

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 <i>[Signature]</i> CITY ENGINEER RE. DATE | PLANS PREPARED BY: J.P. KAPP & ASSOCIATES, INC. CONSULTING CIVIL ENGINEERS 300 MAIN CENTER DRIVE, SUITE 200 SANTA ANA, CALIFORNIA 92705 PHONE (714) 247-8445 | REVISIONS | |
| | | REVISOR | DATE |
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Tract 37980
CITY OF WALNUT
PLAN & PROFILE
LEMON AVENUE OVER LEMON WASH
SHEET 2 OF 4
WPC 158

