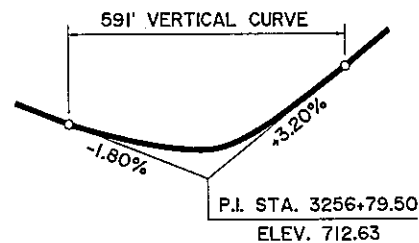
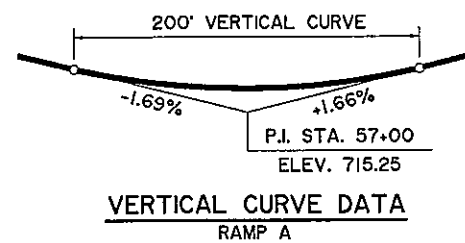
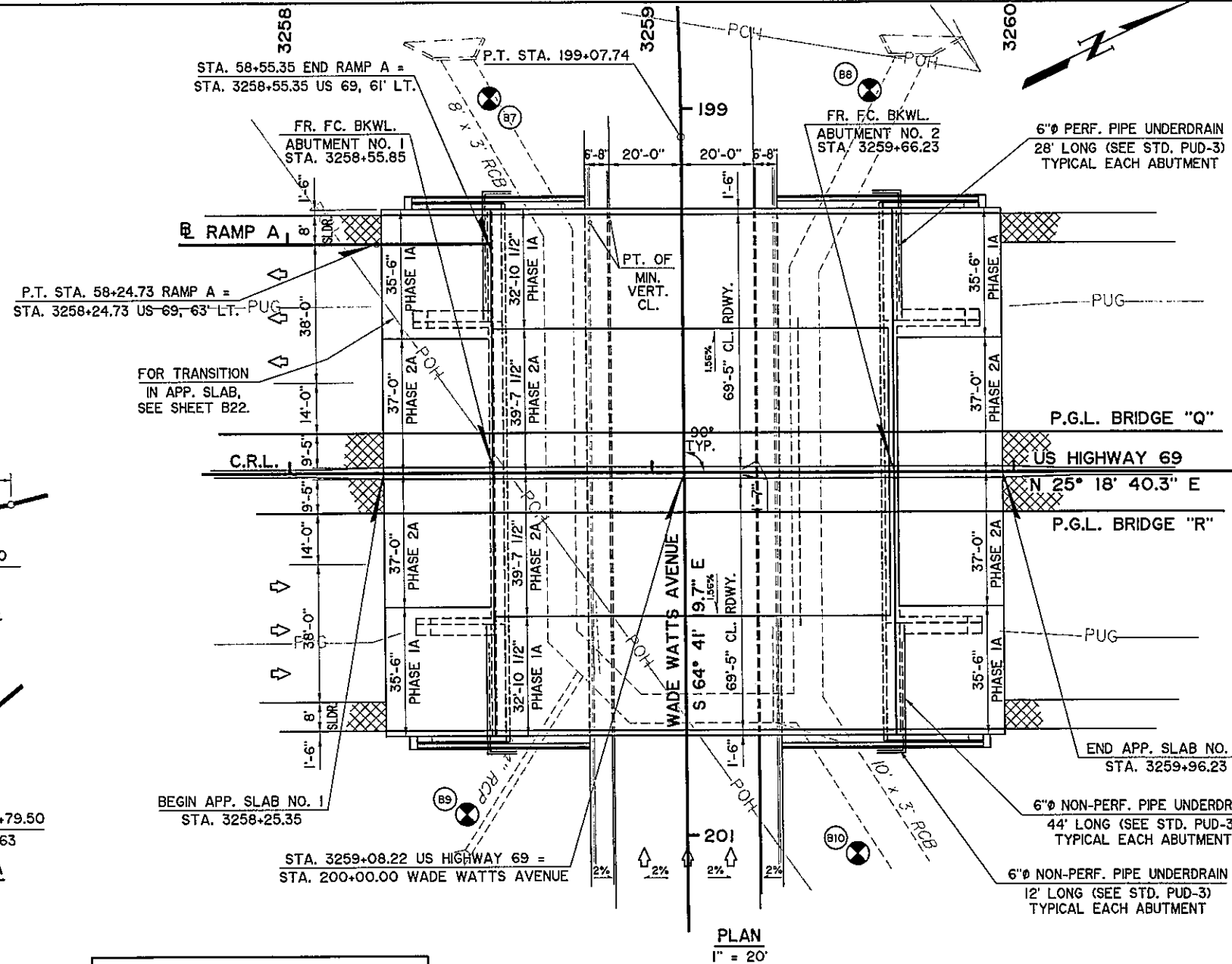
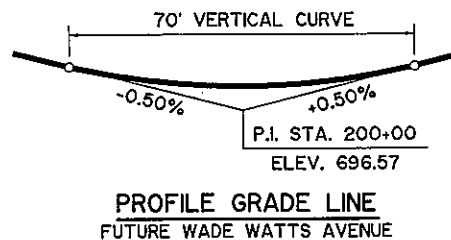


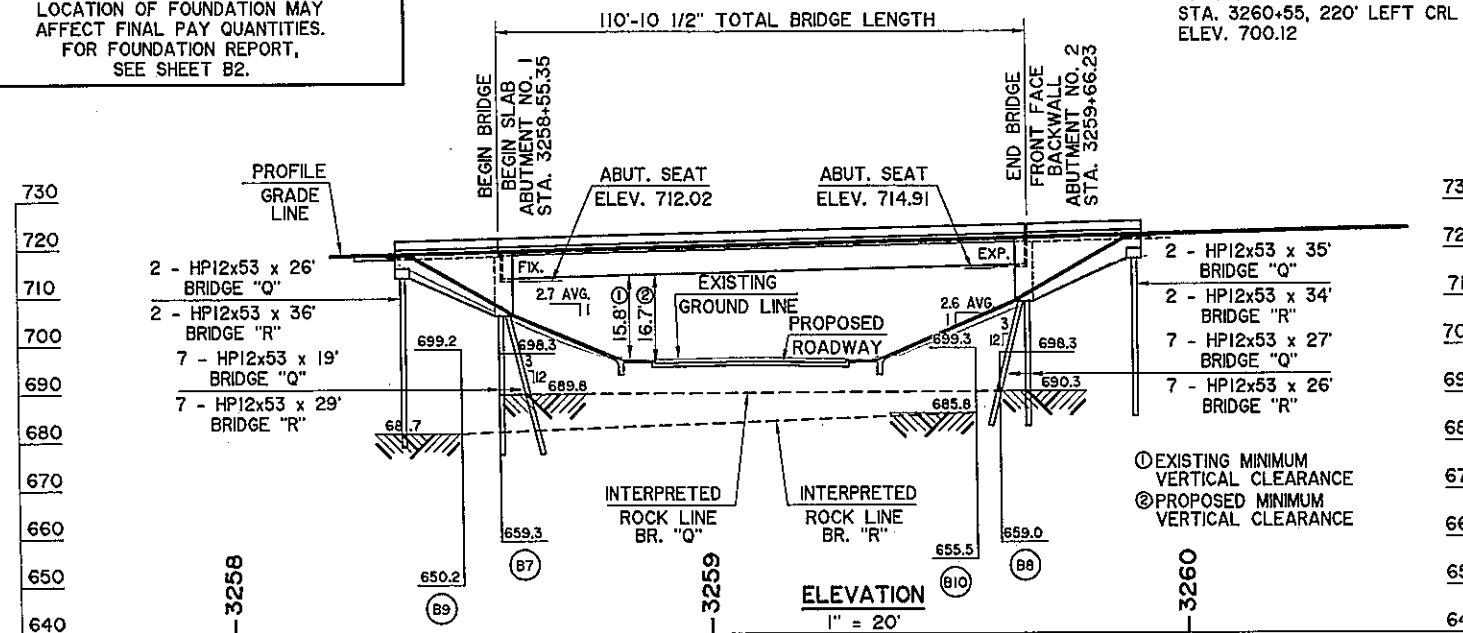
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NOTE  
ADJUST SLAB FINISH GRADE  
AS NECESSARY TO MATCH  
EXISTING SLAB.



INTERPRETED ROCK LINE USED TO CALCULATE  
PLAN FOUNDATION QUANTITIES. ACTUAL  
LOCATION OF FOUNDATION MAY  
AFFECT FINAL PAY QUANTITIES.  
FOR FOUNDATION REPORT,  
SEE SHEET B2.



**DESIGN DATA**

CONCRETE CLASS AA  $f_c = 4$  K.S.I.  
CONCRETE CLASS A  $f_c = 3$  K.S.I.  
REINFORCING STEEL (GRADE 60)  $f_y = 60$  K.S.I.  
STRUCTURAL STEEL M 270 (GRADE 50W)  $F_y = 50$  K.S.I.  
STAINLESS STEEL A240 (TYPE 316)  $F_y = 30$  K.S.I.

LOADING:  
HL-93 OR OKLAHOMA OVERLOAD TRUCK  
20 PSF FUTURE WEARING SURFACE  
5 PSF STAY-IN-PLACE FORM ALLOWANCE

DESIGN:  
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6th EDITION  
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE  
ANSI/AWS D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL

HL-93 INVENTORY RATING FACTOR: 1.14  
HL-93 OPERATING RATING FACTOR: 1.47

THE HL-93 RATING FACTORS SHOWN ARE BASED ON A NOMINAL STRENGTH  
USING ONLY STRANDS THAT ARE BONDED FOR THE FULL LENGTH OF THE  
BEAM. ALL PARTIALLY BONDED STRANDS ARE NEGLECTED IN STRENGTH  
COMPUTATIONS.

**FOUNDATION DATA**

ABUTMENTS (HP12x53 PILING)

FACTORED PILE REACTION = 94.0 TON / PILE

FACTORED PILE RESISTANCE:  
DRIVE PILING THROUGH THE COMPACTED FILL AND TO A POINT  
BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE  
ELEVATION SHOWN ON THE PLANS. IF A FACTORED AXIAL LOAD  
RESISTANCE EQUAL TO OR GREATER THAN THE FACTORED DRIVING  
REACTION IS NOT OBTAINED AT THIS ELEVATION, CONTINUE DRIVING  
UNTIL SUCH IS OBTAINED. THE LENGTH OF STEEL PILING SHOWN ON  
THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

**INDEX OF SHEETS**

- 11,12 BRIDGE GENERAL NOTES
- 13 SUMMARY OF BRIDGE PAY QUANTITIES - SHEET 1 OF 2
- 14 SUMMARY OF BRIDGE PAY QUANTITIES - SHEET 2 OF 2
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- B2 FOUNDATION REPORT
- B3 CONSTRUCTION SEQUENCE
- B4 SUMMARY OF QUANTITIES
- B5 SUBSTRUCTURE LAYOUT
- B6 SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN DETAILS
- B7 ABUTMENT NO. 1 BRIDGE "Q" ABUTMENT NO. 2 BRIDGE "R"
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- B9 ABUTMENT DETAILS
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- B15 LONGITUDINAL SECTION AND BEAM FRAMING PLAN
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- B17 DIAPHRAGM DETAILS
- B18 BEARING DETAILS
- B19 SLAB REINFORCING DETAILS
- B20 SEALED EXPANSION JOINT DETAILS
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- B22 APPROACH SLAB - PHASE 1A
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- STD. PUD-3-2
- STD. FSHP-42-2-00E
- STD. SFPI-1-00E
- STD. EJ-DTL-01E
- STD. LECS-4-1
- STD. TCS24-1-02
- STD. TCS25-1-00

|          |         |  |
|----------|---------|--|
| Design   | RRW     | <b>U.S. HIGHWAY 69 - McALESTER</b><br><b>GENERAL PLAN AND ELEVATION</b><br>WADE WATTS AVENUE<br>BRIDGE "Q" SOUTHBOUND, BRIDGE "R" NORTHBOUND<br>JOB PIECE NO. 14999(04) SHEET NO. B1 |
| Drawn    | KGL KGL |  |
| Checked  | ADT DMH |  |
| Approved | CEG     |  |
| Squad    | WEA     |  |

