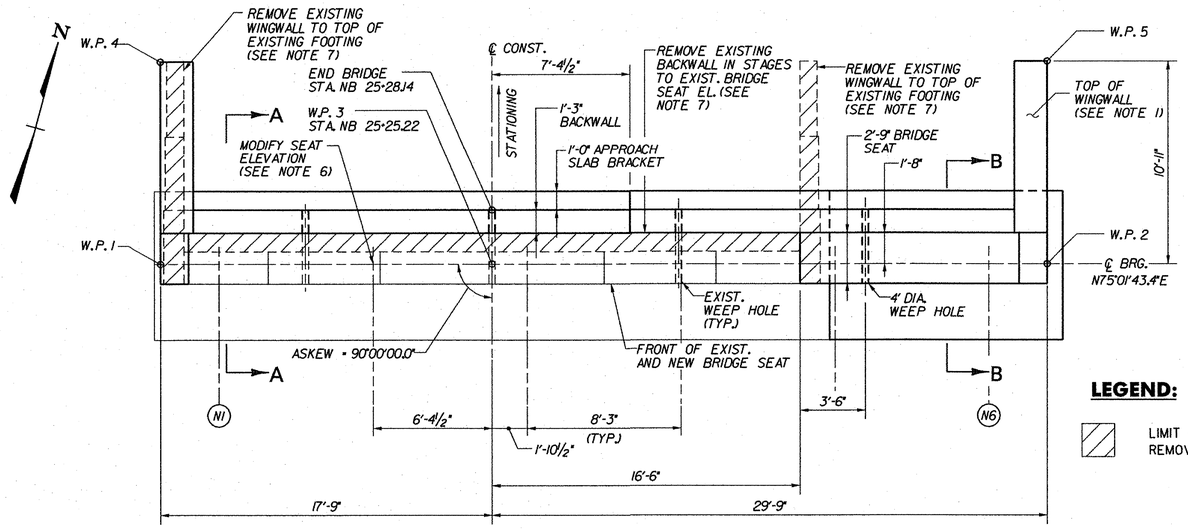
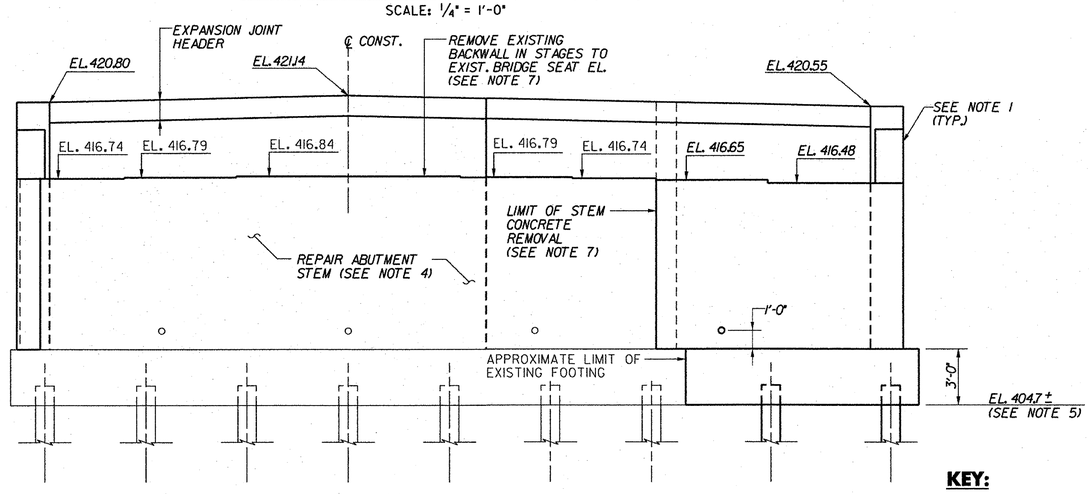


ABUTMENT 2 PLAN (EXP.) (3N)

SCALE: ¼" = 1'-0"

LEGEND:

LIMIT OF CONCRETE REMOVAL



ABUTMENT 2 ELEVATION (3N)

(BACKWALL AND WINGWALL REMOVAL LIMITS NOT SHOWN FOR CLARITY)

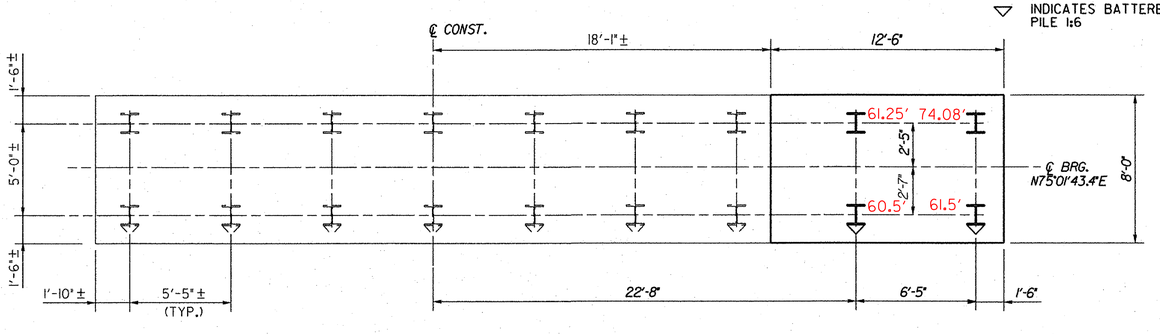
SCALE: ¼" = 1'-0"

KEY:

EXISTING 12BP53 PILE

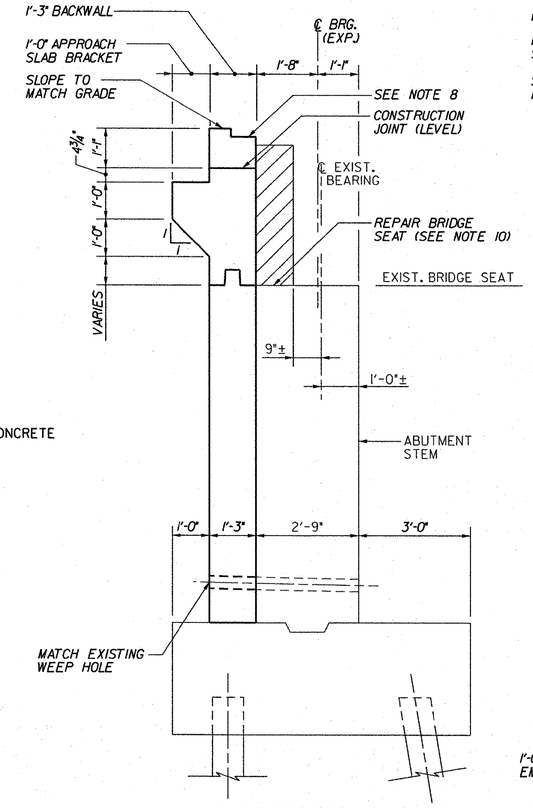
HP 12X53 PILE

INDICATES BATTERED PILE 1:6



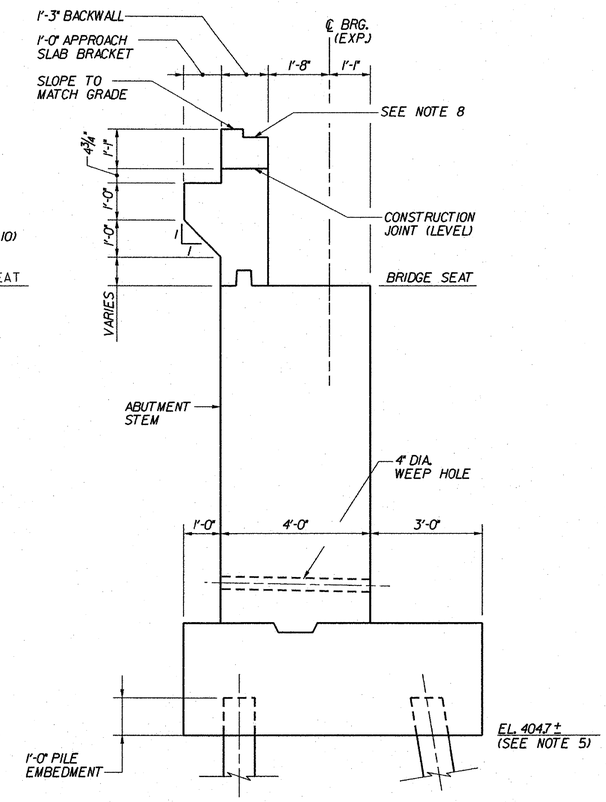
FOOTING PLAN (3N)

SCALE: ¼" = 1'-0"



SECTION A–A

SCALE: ½" = 1'-0"



SECTION B–B

SCALE: ½" = 1'-0"

NOTES:

1. FOR WINGWALL AND CHEEKWALL DIMENSIONS, DETAILS AND ELEVATIONS, SEE WINGWALL MASONRY & REINFORCEMENT (3N), BRIDGE SHEET BRI38.
2. BACKWALL ELEVATIONS SHOWN AT FRONT FACE OF BACKWALL.
3. FOR ABUTMENT REINFORCEMENT DETAILS, SEE ABUTMENT 2 REINFORCEMENT (3N) BRIDGE SHEET BRI37.
4. REPAIR ALL EXISTING SPALLED AND DELAMINATED AREAS ON ABUTMENT. SEE EXISTING SUBSTRUCTURE CONDITION (3N), BRIDGE SHEET BRI60, FOR APPROXIMATE CONDITION OF EXISTING SUBSTRUCTURE. FOR CONCRETE REPAIR DETAILS, SEE SUBSTRUCTURE REPAIR DETAILS (3N&S), BRIDGE SHEET BRI51.
5. THE NEW BOTTOM OF FOOTING ELEVATION SHOWN IS APPROXIMATE AND SHALL BE CONSTRUCTED AT THE SAME ELEVATION AS THE EXISTING FOOTING. THE CONTRACTOR SHALL VERIFY THE EXISTING FOOTING LOCATION PRIOR TO ORDERING REINFORCING STEEL.
6. DUE TO THE PROXIMITY OF THE GIRDER TO THE STEP IN THE EXISTING BRIDGE SEAT, REMOVE 4" ± OF CONCRETE TO A MINIMUM OF 1" BELOW THE TOP MAT OF REINFORCING STEEL AND REPLACE WITH A LEVEL BED OF CONCRETE CLASS AA TO THE HIGHER ELEVATION OF THE ADJACENT BRIDGE SEAT. LIMITS OF CONCRETE REMOVAL AND REPLACEMENT SHALL BE 18" EITHER SIDE OF ℄ OF GIRDER. THIS WORK SHALL BE PAID FOR AS ITEM 580.14 "REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II".
7. FOR LIMITS OF CONCRETE REMOVAL IN EACH STAGE, SEE STAGED CONSTRUCTION DETAILS (2 OF 2) (3N), BRIDGE SHEET BRI13.
8. FOR DETAILS OF EXPANSION JOINT HARDWARE, SEE FINGER JOINT DETAILS, BRIDGE SHEET BRI27.
9. BRIDGE SEAT SHALL BE SLOPED ½" PER FOOT EXCEPT UNDER BEARING PLATES WHERE THE SURFACE SHALL BE LEVEL. THE RESIDENT ENGINEER SHALL DETERMINE IF THE EXISTING CONCRETE AT PROPOSED BEARING LOCATIONS REQUIRES REPAIR. ANY WORK REQUIRED TO PROVIDE A SOUND, LEVEL SURFACE SHALL BE PERFORMED UNDER ITEM 580.14 "REPAIR OF CONCRETE SUBSTRUCTURE SURFACE, CLASS II", EXCEPT THAT ONLY CONCRETE, CLASS AA SHALL BE ALLOWED UNDER BEARINGS. ALL WORK AND MATERIALS REQUIRED SHALL BE PAID UNDER ITEM 580.14.
10. FOLLOWING REMOVAL OF EXISTING BACKWALL, THE CONTRACTOR SHALL GRIND AND/OR REPAIR THE CONCRETE, AS DIRECTED BY THE ENGINEER, TO PROVIDE A SMOOTH LEVEL SURFACE AT PROPOSED SEAT ELEVATION. ANY REPAIRS REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH SUBSTRUCTURE REPAIR DETAILS (3N&S), BRIDGE SHEET BRI51. ALL COSTS FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 529.20, "PARTIAL REMOVAL OF STRUCTURE (DECK & SUBSTRUCTURE)".

TVGA ENGINEERING, SURVEYING, P.C.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of GUILFORD		Bridge No. 3N	
Highway No. I-91		Log Sta. / Surv. Sta.	
I-91 NB OVER BROAD BROOK & BROAD BROOK ROAD			
ABUTMENT 2 MASONRY (3N)			
Designed By M. J. MOZER		Drawn By G.K. MORZE	
Checked By P.W. SZUSTAK	Date 01/03	Bridge Design Supervisor J.P. HALSTEAD	Date 01/03
PROJECT GUILFORD		PROJECT NO. IM 091-1(33)	
TVGA CAD Drawing No. G NB ABUT2.dgn		Date 05/12/08	
Bridge Sheet No. BRI36		Sheet 62 of 114	