





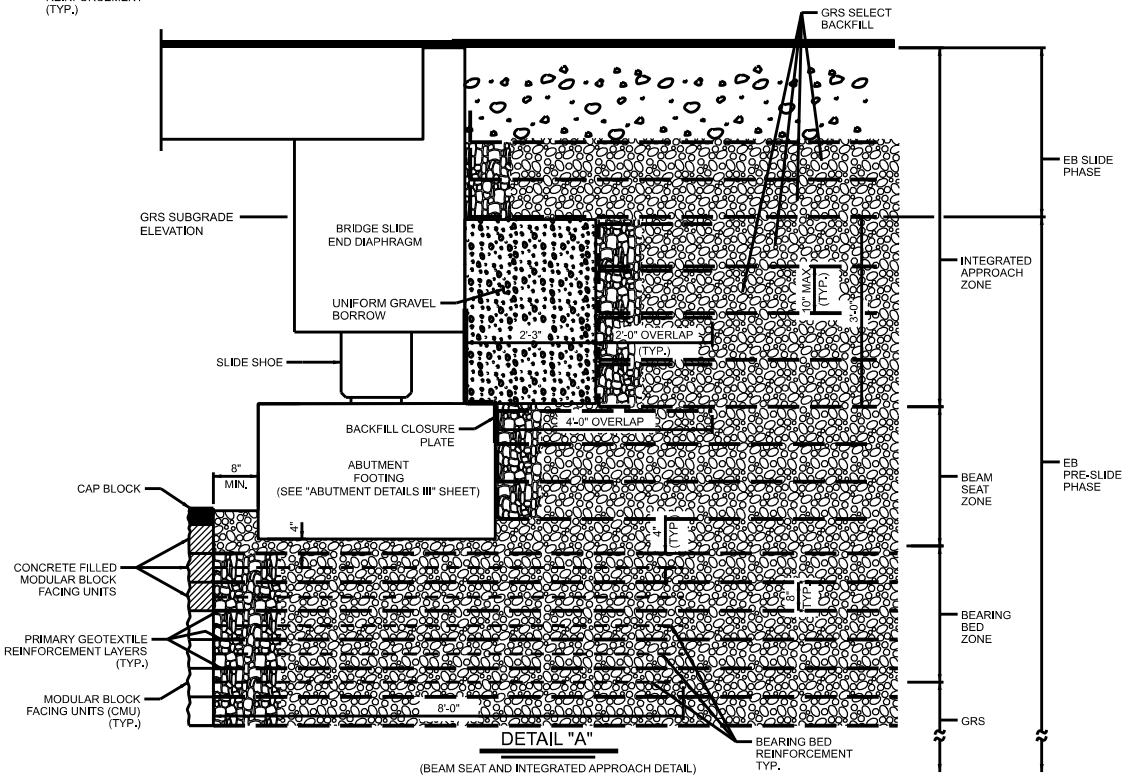
**GRS ABUTMENT SECTION**

**LEGEND:**

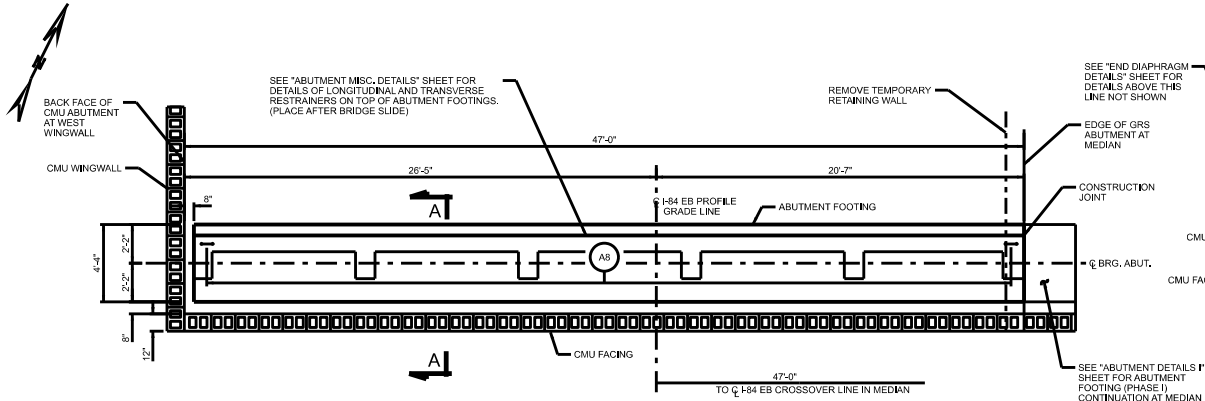
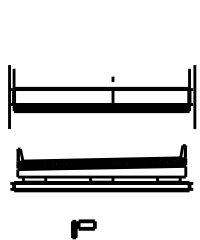
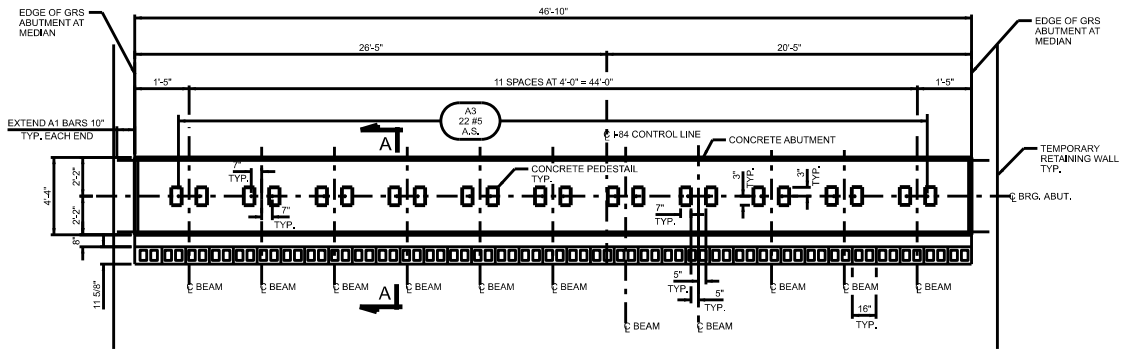
-  GRS SELECT BACKFILL
-  UNTREATED BASE
-  UNIFORM GRADED GRAVEL
-  FREE DRAINING GRANULAR BACKFILL

**NOTES:**

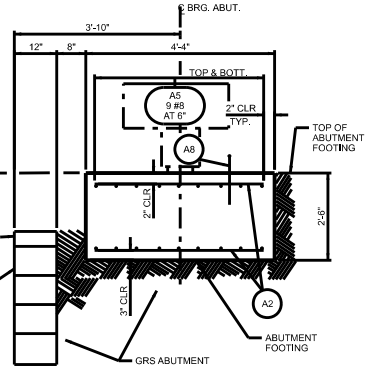
1. ALLOWABLE VERTICAL WALL FACE BATTER = 0 TO 1H:32V.
2. FOR LEVELING PAD ELEVATIONS AT FRONT FACE, SEE SHEET 11A.
3. FOR WINGWALLS, MATCH LEVELING PAD ELEVATION SHOWN ON SHEET 11A AT CORNER, AND THEREAFTER PROVIDE MINIMUM BURIAL OF 2 FEET FROM TOP OF LEVELING PAD TO DESIGN FINISH GRADE SHOWN ON SHEET 11A.
4. SHORT-TERM BACK SLOPE RATIO PER OSHA SAFETY REGULATIONS (29CFR, PART 1926, SUBPART P, EXCAVATION), SHORING MAY BE REQUIRED IF THE SHORT-TERM BACK SLOPE WILL BE OPEN MORE THAN 30 DAYS OR IF THE REQUIRED SHORT-TERM BACK SLOPE RATIO SPECIFIED CANNOT BE OBTAINED.
5. GRS BACKFILL, REINFORCEMENT AND BLOCK FACING UNITS TO BE CONSTRUCTED IN ACCORDANCE WITH SPECIAL PROVISION 02871S-GRS ABUTMENT AND WINGWALL.
6. MINIMUM OF 10 TOTAL LAYERS OF BEARING BED REINFORCEMENT (5 PRIMARY LAYERS AND 5 SECONDARY LAYERS).
7. PRIMARY WRAP REINFORCEMENT VERTICAL SPACING FOR THE BEAM SEAT ZONE AND INTEGRATED APPROACH ZONE IS A MAXIMUM OF 10 INCHES.
8. AFTER PLACEMENT OF ALL PRE-SLIDE PHASE GRS BACKFILL, PLACE SURCHARGE AS SHOWN ON SHEET 11A PER 02319S.
9. FOR THE PERMANENT EB ABUTMENTS, CONSTRUCT THE GRS AND PAVEMENT SECTION PER PHASING DELINEATION SHOWN IN DETAIL "A".
10. SEE DETAIL SHEET 13 FOR LAYOUT OF GRS WINGWALL GEOTEXTILE REINFORCEMENT.
11. FILL TOP THREE MODULAR BLOCK FACING UNITS WITH CONCRETE AS PER SPECIAL PROVISION 02871S - GRS ABUTMENT AND WINGWALL.



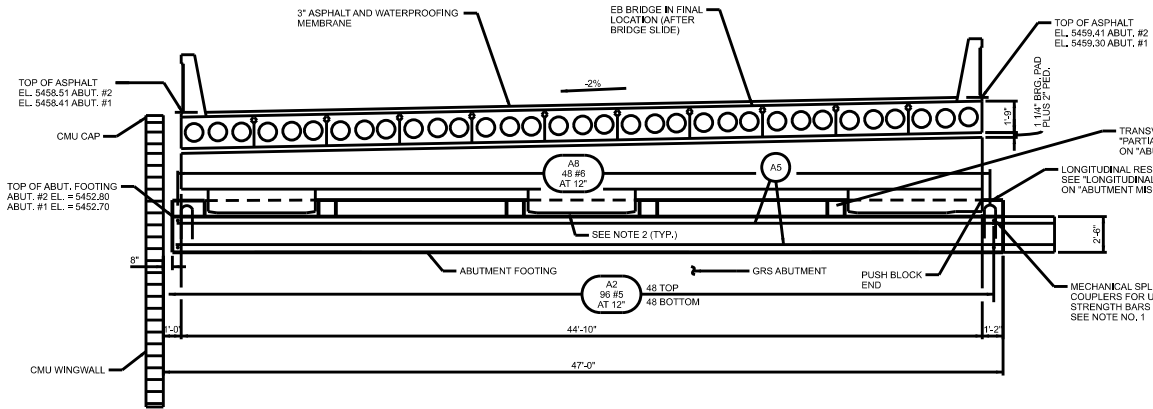
EB GRS ABUTMENT DETAILS



**EB BRIDGE ABUTMENT FOOTING PLAN**  
 ABUTMENT #2 SHOWN, ABUTMENT #1 OPPOSITE  
 PHASE III CONSTRUCTION BEFORE BRIDGE SLIDE



**SECTION A-A**  
 (EB BRIDGE)



**EB BRIDGE ABUTMENT FOOTING ELEVATION**  
 PHASE IV BRIDGE SLIDE COMPLETE

STRUCTURAL CONCRETE QUANTITIES CU. YDS.	
LOCATION	
ABUT. #1 EB ABUT. FOOTING	18.9
ABUT. #2 EB ABUT. FOOTING	18.9
TOTAL	37.8

- NOTE:
1. INCLUDE COST OF MECHANICAL SPLICE COUPLERS IN THE COST OF "STRUCTURAL CONCRETE" PAY ITEM.
  2. USE STAINLESS STEEL SHIMS AS NEEDED BETWEEN THE BOTTOM OF THE SLIDING SHOE AND TOP OF THE BEARING PAD SUPPORTS TO PROVIDE A TIGHT FIT AND SOLID BEARING BETWEEN THE BOTTOM OF THE SLIDING SHOE AND ALL BEARING PAD SUPPORTS WHEN BRIDGE SUPERSTRUCTURE IS IN ITS FINAL LOCATION. ATTACH STEEL SHIMS TO BOTTOM OF SLIDING SHOE WITH CONTINUOUS WELD ALONG FRONT OF SHIM AND 2" MINIMUM ALONG EACH SIDE OF SHIM.

ABUTMENT DETAILS III