DESIGNER NOTES:

1. APPROXIMATE FINISHED GROUND LINE
   - BATTERED PILES 6 ON 1
   - APPROXIMATE FINISHED GROUND LINE

2. EARTHWORK DETAIL
   - SPACE PILES AS REQUIRED BY DESIGN
   - PILE LOOP 50 mm (MIN.) INTO JOINT
   - FILL TOP AND FRONT FACE OF JOINT WITH 150 mm OF PREMOULDED RESILIENT JOINT FILLER
   - FILL TOP AND FRONT FACE OF JOINT WITH 150 mm OF PREMOULDED RESILIENT JOINT FILLER TO CONFORM TO MATERIAL SPECIFICATION 705-07.

3. APPROACH SLAB
   - POUR 1
   - POUR 2

4. INTEGRAL U-WINGWALLS
   - DESIGNER NOT TO SCALE
   - NOTE: REINFORCEMENT NOT SHOWN FOR CLARITY.
   - KEYWAY TO STOP 100 mm FROM SUPPORT PLATE OR CONSTRUCTION JOINT.

5. INTEGRAL WINGWALL DETAIL FOR STEEL SUPERSTRUCTURE
   - NOT TO SCALE
   - WHERE THESE BARS INTERFERE WITH THE PILE OR GIRDER, DON'T EXTEND THEM TO THE FRONT FACE OF ABUTMENT REAR FACE REINFORCEMENT.

6. HORIZONTAL REINFORCEMENT INTO WINGWALL AT CONSTRUCTION JOINT.

7. INTEGRAL WINGWALL DETAIL FOR STEEL SUPERSTRUCTURE
   - NOT TO SCALE

8. KEYWAY DETAIL
   - STEEL SUPERSTRUCTURE
   - WHEN SEPARATED WINGWALLS ARE NECESSARY, A SINGLE LINE OF PILES (AS SHOWN) IS PREFERABLE. IT IS ALSO ACCEPTABLE TO USE A CONVENTIONAL CANTILEVER WALL WITH A PILE-SUPPORTED FOOTING.

9. WHEN AN INTEGRAL U-WINGWALL DESIGN IS REQUIRED, THE U-WINGWALL SHALL BE POURED CONCURRENTLY WITH THE BACKWALL POUR.

10. WHEN AN INTEGRAL U-WINGWALL DESIGN IS CHosen, THE LEVEL CONSTRUCTION JOINT MAY BE STEPPED TO ACCOMMODATE GROUND SLOPES.

11. STEEL FILL IS REQUIRED FOR ALL STREAM CROSSINGS. SLOPE PROTECTION IS REQUIRED FOR OTHER CROSSINGS. THE HYDRAULICS ENGINEER SHALL DETERMINE THE TYPE OF STEONE FILL TO BE USED AT STREAM CROSSINGS.

12. FOR CORROSION PROTECTED REINFORCEMENT IN SUBSTRUCTURES, REFER TO BRIDGE MANUAL, SECTION 15.12.

13. FOR TYPE “D” WATERSTOP DETAILS, SEE BD-MS3.

14. WHERE THESE BARS INTERFERE WITH THE PILE OR GIRDER, DON'T EXTEND THEM TO THE FRONT FACE OF ABUTMENT REAR FACE REINFORCEMENT.

15. STONE FILL OR SLOPE PROTECTION IS REQUIRED FOR OTHER CROSSINGS.

16. THE HYDRAULICS ENGINEER SHALL DETERMINE THE TYPE OF STONE FILL TO BE USED AT STREAM CROSSINGS.

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.

NOT SCALE

NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN AND CONSTRUCTION DIVISION
INTEGRAL ABUTMENTS
MISCELLANEOUS DETAILS
ISSUED UNDER EB 10-024 EFFECTIVE WITH THE LETTING OF 1/06/11
ORIGINAL SIGNED BY APPROVED: 6/28/10
6/28/10
ACTING DEPUTY CHIEF ENGINEER (STRUCTURES)
ARTHUR P. YANNOTTI, P.E.