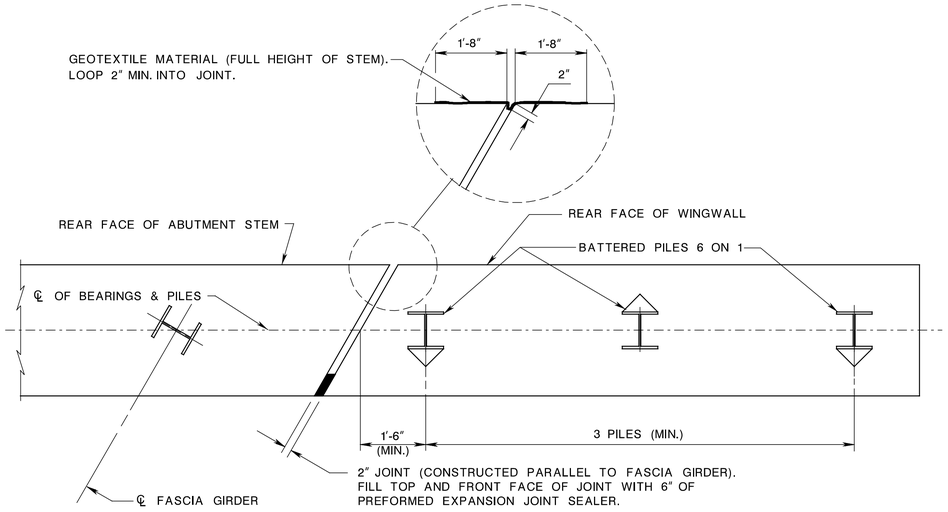
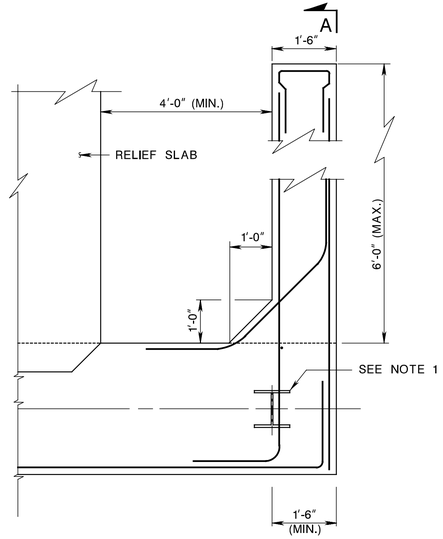
STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N. J.			
STRUCTURE NO.			
STRUCTURE NAME			



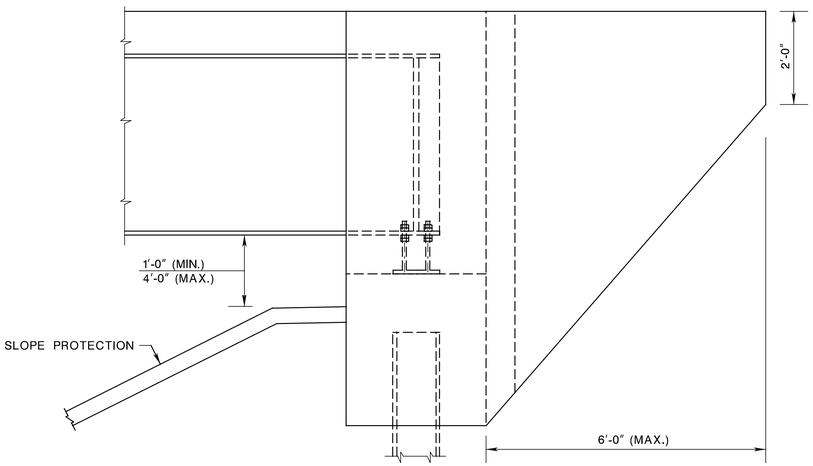
PLAN

TYPICAL LAYOUT FOR SEPARATED WINGWALLS

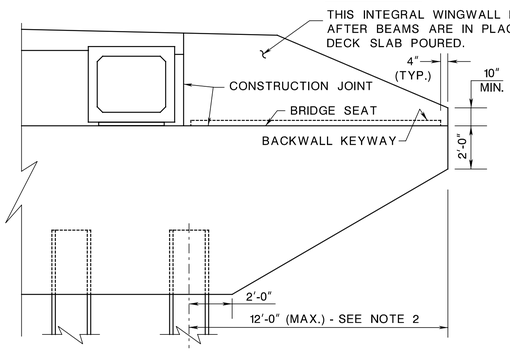


PLAN

U WALLS

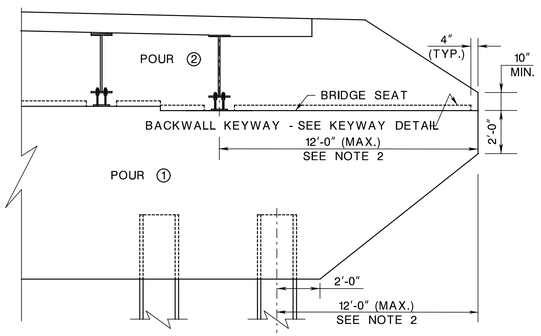


SECTION A-A

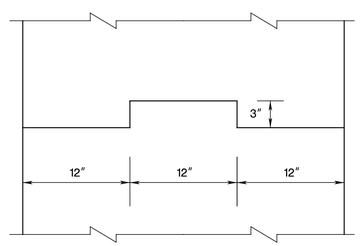


INTEGRAL WINGWALL ELEVATION

PRESTRESSED CONCRETE SUPERSTRUCTURE



INTEGRAL WINGWALL DETAIL FOR STEEL SUPERSTRUCTURE



NOTE:
KEYWAY TO STOP 4" FROM SUPPORT PLATE OR CONSTRUCTION JOINT

KEYWAY DETAIL FOR STEEL SUPERSTRUCTURE

NOTE TO DESIGNER:

DETAILING INCLUDED WITHIN THIS DRAWING MAY BE UTILIZED IN PREPARING CONTRACT PLANS. HOWEVER, IN CONFORMANCE WITH THE PROVISIONS OF SECTION 15 OF THIS MANUAL, ALTERNATIVE DETAILING MAY BE PROVIDED.

NOTES:

1. FOR ABUTMENTS WITH INTEGRAL U-WINGWALLS, THE CORNER PILE SHOULD BE ORIENTED WITH THE STRONG AXIS PERPENDICULAR TO THE INTEGRAL U-WINGWALLS.
2. THE 12'-0" MAXIMUM DIMENSION FOR THE PROJECTION OF INTEGRAL WINGWALLS IS MEASURED TO EITHER THE CENTERLINE OF THE FASCIA GIRDER FOR STEEL GIRDERS, OR THE EDGE OF THE FASCIA BEAM FOR PRESTRESSED BOX BEAM.
3. 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 FOOTING.

CONTROL SECTION		JOB NO.	
DES. BY		CHK. BY	
DWN. BY			
EST. BY		CHK. BY	
SPECS. BY			

IN CHARGE OF

BDC04MB-01

BDC04MB-01

STANDARD DRAWING PLATE 2.9-4

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

WINGWLL DETAILS FOR
INTEGRAL ABUTMENTS

ROUTE : SECTION :

MUNICIPALITY COUNTY

SCALE : NONE

BRIDGE
SHEET NO. ____ OF ____