**APRON DETAIL**

- CORNER "A"
- CORNER "B"
- APRON DETAIL
- ALTERNATE SECTION C6
- ALTERNATE CUT-OFF WALL

**SECTION C6**

- SHEET BARS
- REINFORCEMENT
- LEVEL 2

**NOTES**

- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- CONCRETE IN THE CUT-OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CAN BE DREDGED.
- THE ALTERNATE CUT-OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT-OFF WALLS.
- LOCATE NAME PLATE ON NEAREST FACING RIGHT WALL UP STATION FACE PLATE UP STATION.
- THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT IF THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES LISTED IN "TOTAL ESTIMATED QUANTITIES".

**DESIGNER NOTES**

SEE SIMILAR DRAWING FOR ADDITIONAL NOTES.

- ALL BAR STEEL FOR CAST-IN-PLACE CONCRETE BOX CULVERTS SHALL BE UNCOATED, EXCEPT WHEN THERE IS NO FILL COVER THE CULVERT. ALL STEEL BARS SHALL BE USED FOR THE TOP AND BOTTOM BARS IN THE TOP SLAB.
- BAR STEEL FOR CAST-IN-PLACE CONCRETE APRONS SHALL BE UNCOATED AND ALL STEEL FOR PRECAST CONCRETE AND ALL PRECAST BARS SHALL BE EPOXY COATED.
- FOR AT DESIGNATED CONCRETE BOX CULVERTS MAKING THEIR TOP SURFACE AT GRADE, HAND HELD FINISHING MACHINES MAY BE USED. NOTE THIS ON PLANS WHEN APPROPRIATE.

**CONCRETE CUT-OFF WALL**

- PAYMENT SHALL BE BASED ON CONCRETE CUT-OFF WALLS. APPLICATION MAY BE USED IN LIEU OF THE CAST-IN-PLACE ALTERNATE CUT-OFF WALLS. PAYMENT CANNOT BE DEWATERED.
- THE CONCRETE IN THE CUT-OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CAN BE DREDGED.

**BOX CULVERT APRON DETAILS**

- SHEET BARS
- REINFORCEMENT
- LEVEL 2

**APRON DETAIL**

- CORNER "A"
- CORNER "B"

**SECTION THRU WINGWALLS**

- CHECK LEVEL
- SHEET BARS
- REINFORCEMENT
- LEVEL 2

**NOTES**

- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- CONCRETE IN THE CUT-OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CAN BE DREDGED.
- THE ALTERNATE CUT-OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT-OFF WALLS.
- LOCATE NAME PLATE ON NEAREST FACING RIGHT WALL UP STATION FACE PLATE UP STATION.
- THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT IF THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES LISTED IN "TOTAL ESTIMATED QUANTITIES".

**DESIGNER NOTES**

SEE SIMILAR DRAWING FOR ADDITIONAL NOTES.

- ALL BAR STEEL FOR CAST-IN-PLACE CONCRETE BOX CULVERTS SHALL BE UNCOATED, EXCEPT WHEN THERE IS NO FILL COVER THE CULVERT. ALL STEEL BARS SHALL BE USED FOR THE TOP AND BOTTOM BARS IN THE TOP SLAB.
- BAR STEEL FOR CAST-IN-PLACE CONCRETE APRONS SHALL BE UNCOATED AND ALL STEEL FOR PRECAST CONCRETE AND ALL PRECAST BARS SHALL BE EPOXY COATED.
- FOR AT DESIGNATED CONCRETE BOX CULVERTS MAKING THEIR TOP SURFACE AT GRADE, HAND HELD FINISHING MACHINES MAY BE USED. NOTE THIS ON PLANS WHEN APPROPRIATE.