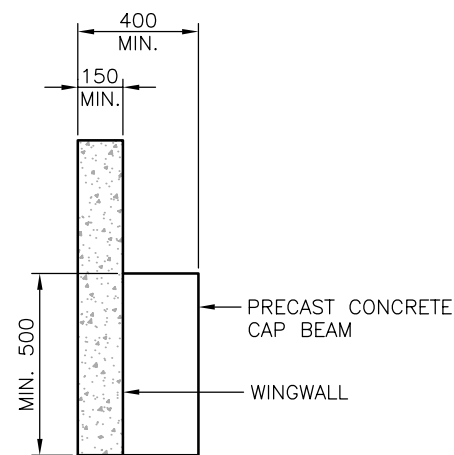


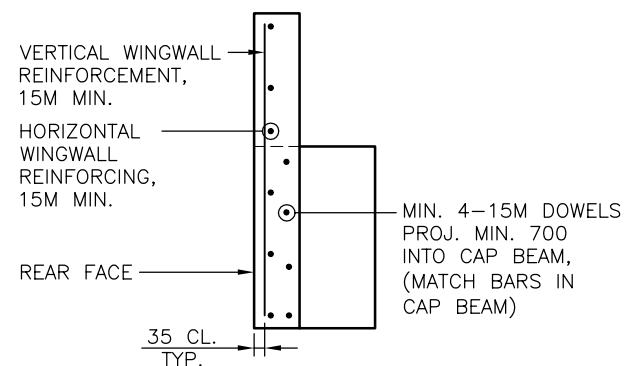
**PRECAST CONCRETE INTEGRAL CAP BEAM & WINGWALL ELEVATION**

1:25



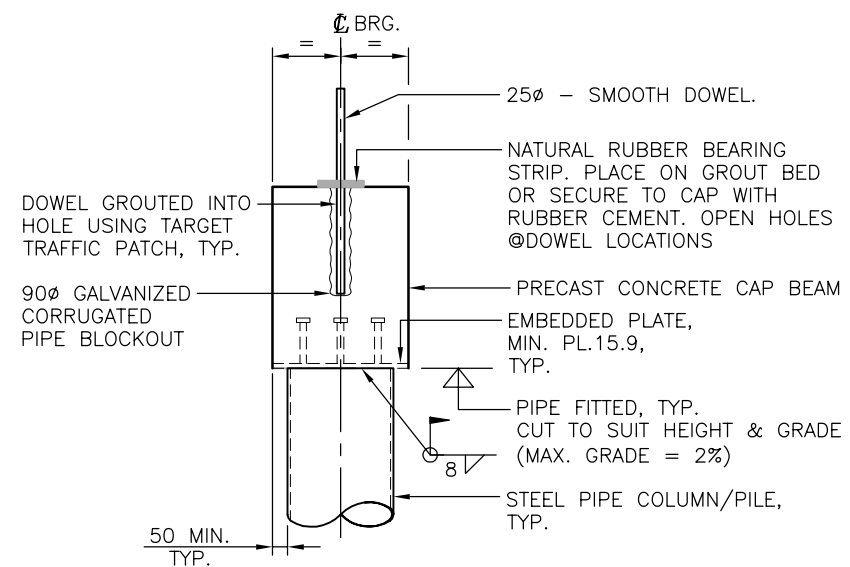
**WINGWALL SECTION**

1:25



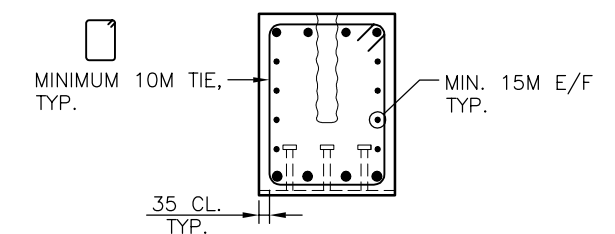
**WINGWALL REINFORCING DETAIL**

1:25



**CAP BEAM SECTION**

1:25



**CAP BEAM REINFORCING DETAIL**

1:25

**NOTES:**

1. DOWELS WHERE SPECIFIED BY ENGINEER, MINIMUM 2 DOWELS PER ABUTMENT.
2. THE DESIGN DRAWINGS SHOULD INCLUDE THE DESIGN MAXIMUM APPLIED SERVICEABILITY LIMIT STATES COMBINATION 1 AND ULTIMATE LIMIT STATE STRESSES FOR PRECAST CONCRETE FOOTINGS AND SERVICEABILITY LIMIT STATES COMBINATION 1 AND ULTIMATE LIMIT STATE LOADS FOR DRIVEN PILES.
3. ACCOMMODATE GRADES IN EXCESS OF 2% WITH A SLOPED CAP BEAM.

**ASSUME NOT TO SCALE  
NOT FOR CONSTRUCTION**

DESIGN ENGINEER	0 2 4 6 8 10 meters	Ministry of Forests, Lands and Natural Resource Operations ENGINEERING BRANCH																				
	SCALE AS SHOWN BAR LENGTH IS 40mm ON ORIGINAL.																					
Checked <u>JULIEN HENLEY</u> Date <u>14/04/01</u>	Drawn <u>ERFAN FARJOO</u> Date <u>14/04/01</u>	<b>STANDARD BRIDGE DRAWING</b> DRAWING TITLE: CONCEPTUAL ABUTMENT CAP BEAM FOR CONCRETE BRIDGES																				
<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>DESCRIPTION</th> <th>Init</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Rev		Date	DESCRIPTION	Init																	DESIGNED BY: <b>HELEN DU, P.ENG.</b>
Rev	Date	DESCRIPTION	Init																			
PROFESSIONAL SEAL	REVISIONS	COORDINATING REGISTERED PROFESSIONAL:	FLNR ENGINEER:																			
		FILE No.	DRAWING No. <b>STD-EC-050-17</b>																			