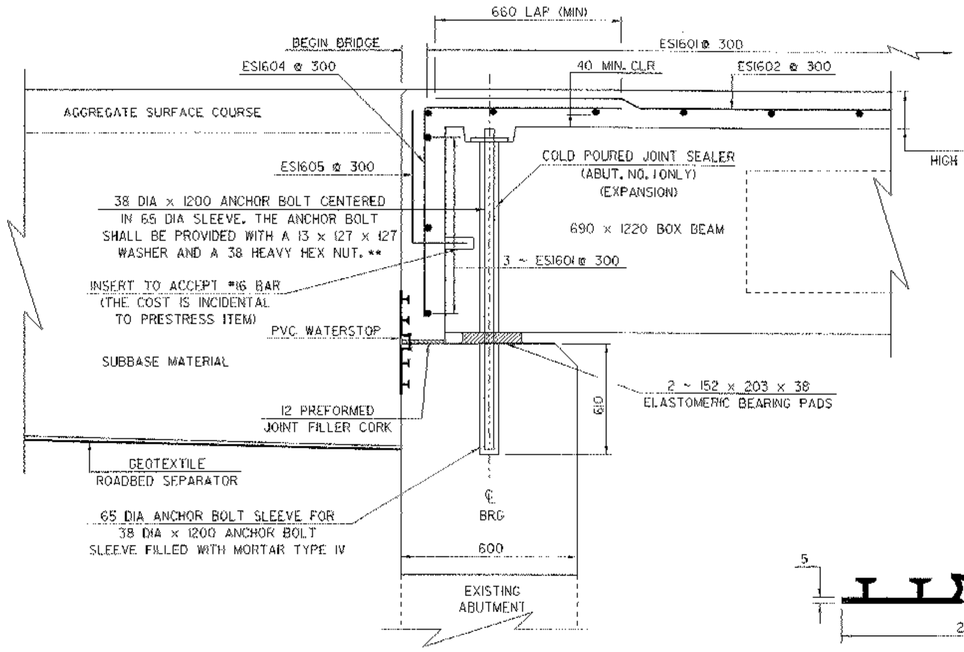
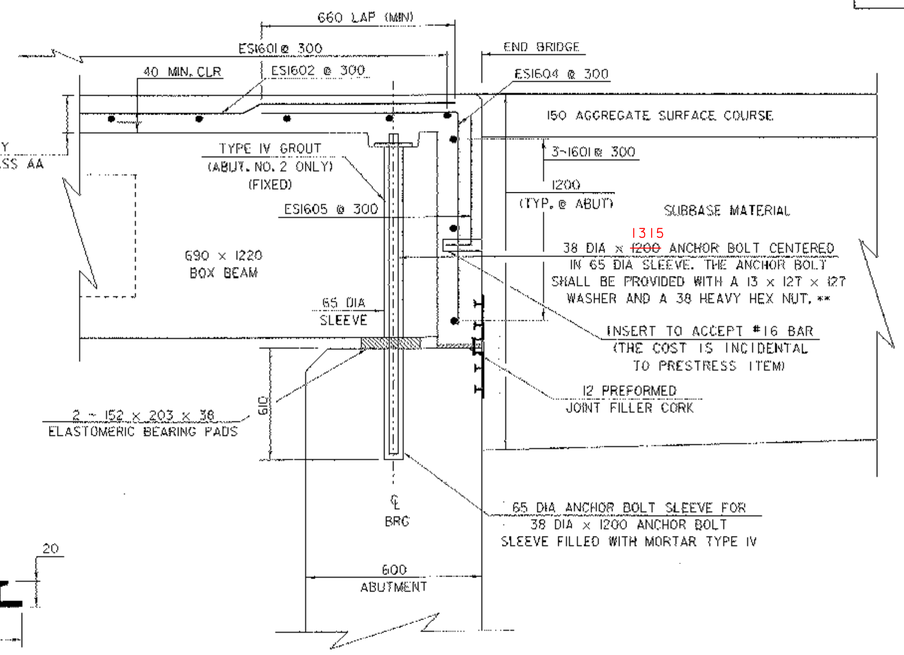


BRIDGE END DETAIL AT ABUTMENT #1

SCALE: 1:10

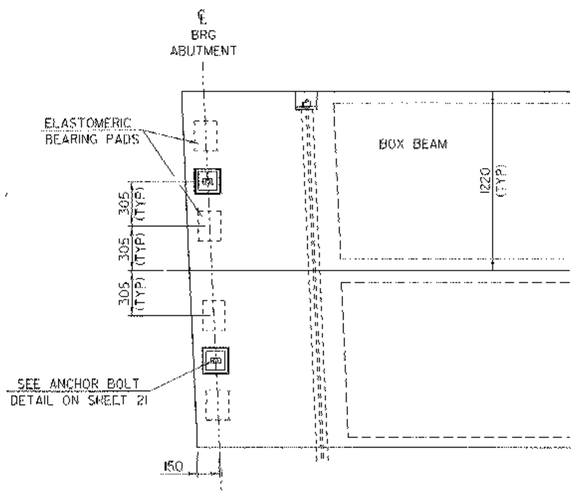
PVC WATERSTOP FOR CONSTRUCTION JOINTS

THE COSTS FOR P.V.C. WATERSTOP SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE. OTHER CONFIGURATIONS MAY BE BASED UPON APPROVAL OF THE STRUCTURES ENGINEER.



BRIDGE END DETAIL AT ABUTMENT #2

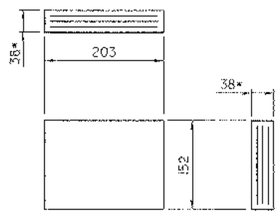
SCALE: 1:10



ABUTMENT BEARING PLACEMENT DETAIL

SCALE: 1:20

** NOTE: FABRICATOR SHALL SUPPLY A SELF ADHESIVE COMPRESSIBLE SEALER BETWEEN THE BOTTOM OF THE UNITS AND THE BRIDGE SEAT. THIS COMPRESSIBLE SEALER SHALL SURROUND THE 65 DIA SLEEVE IN THE UNIT. THE PURPOSE OF THE SEALER IS TO FACILITATE PLACEMENT OF THE "MORTAR OR JOINT SEALER" AROUND THE ANCHOR BOLTS.



ELASTOMERIC BEARING DETAIL

* 4 - 8mm LAYERS OF ELASTOMERIC ALTERNATING WITH 3 - 14 GAGE STEEL REINFORCING PLATES

NOTES

1. ALTERNATE CONFIGURATIONS FOR ELASTOMERIC BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE BEARING SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE LOADS AND CRITERIA SHOWN ON THIS SHEET AND MAINTAIN THE ANCHORAGE SYSTEM SHOWN. THE BEARINGS SHALL BE DESIGNED ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" 2002 EDITION AND ITS LATEST REVISIONS.
2. THE BEARING SHAPE FACTOR SHALL BE BETWEEN 5.0 AND 12.0.
3. ALL REINFORCMENT BETWEEN LAYERS OF ELASTOMERIC SHALL BE STEEL GRADE 250. NO FABRIC REINFORCEMENT WILL BE PERMITTED.
4. ELASTOMERIC BEARINGS REINFORCED WITH STEEL SHALL HAVE A 3mm EDGE SEAL OF ELASTOMERIC INTEGRAL WITH THE BEARING OVER ALL PLATES.
5. ALL MATERIALS AND FABRICATION SHALL BE PER AASHTO DIVISION II SECTION 18.2 AND AASHTO MATERIAL SPECIFICATION M251.
6. DESIGN CRITERIA:
   A. TEMPERATURE RANGE: 27°c
   B. 60 DUROMETER ELASTOMERIC
   C. MAXIMUM BEARING STRESS: 6.89 MPa
   D. DESIGN ROTATION: 0.015 RAD.
   E. REACTION/BEAM:
      RDL: 190 KN
      RLL: 148 KN

SHEET NAME:	**BEGIN AND END BRIDGE DETAILS**		
PROJECT NAME:	WALLINGFORD	HIGHWAY NO.:	TH 60
PROJECT NUMBER:	BRO 1443(31)	BRIDGE NO.:	50
		OVER:	OTTER CREEK
FILE NAME:	/PW/94j084/sj084sup.dgn	PLOT DATE:	24-OCT-2005
PROJECT MANAGER:	R. WHITCOMB	DRAWN BY:	J. GILMORE
DESIGNED BY:	K. UPMAL	IPARM NAME:	sj084bed.1
BRIDGE SHEET NUMBER:		SHEET	25 OF 38