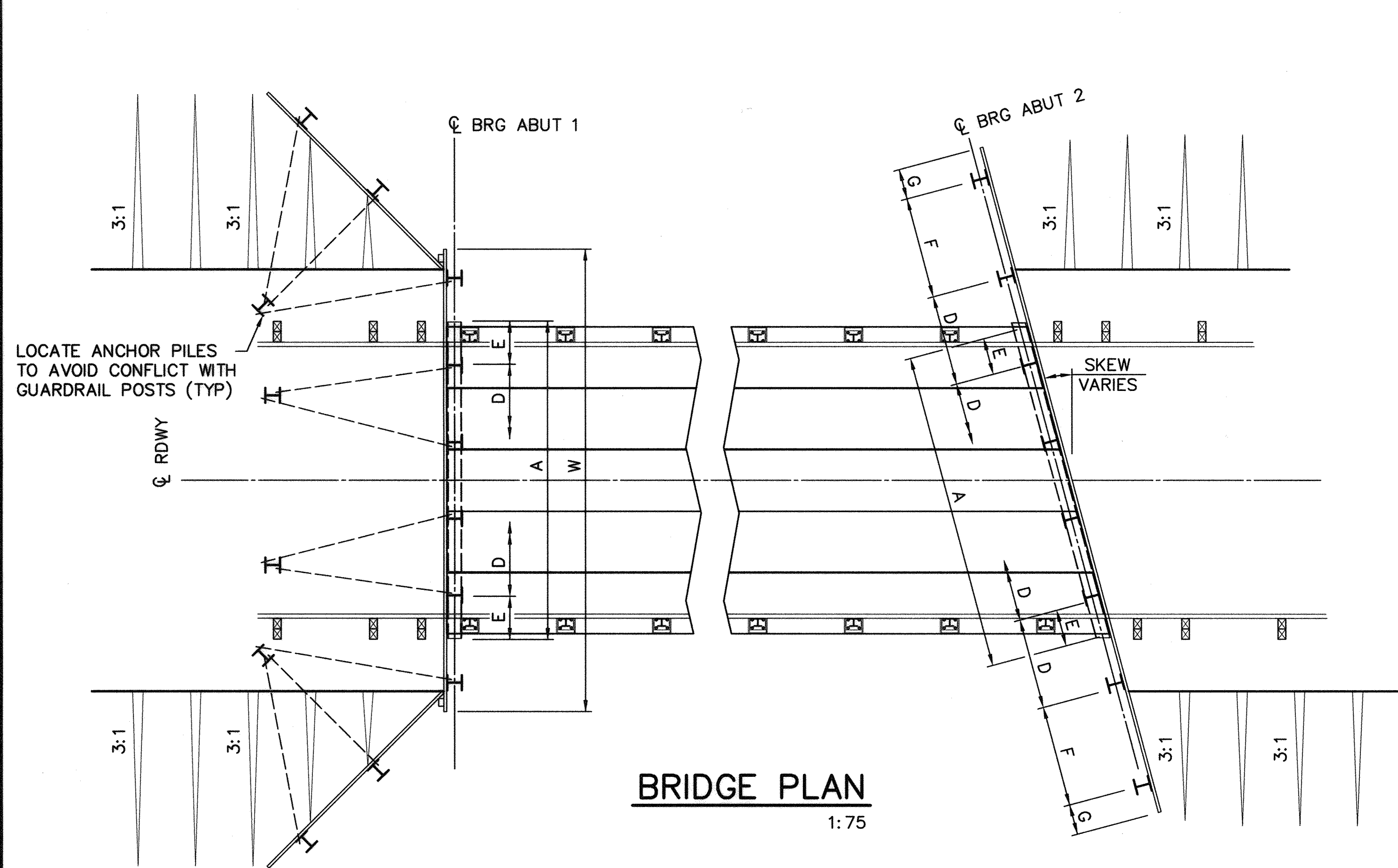
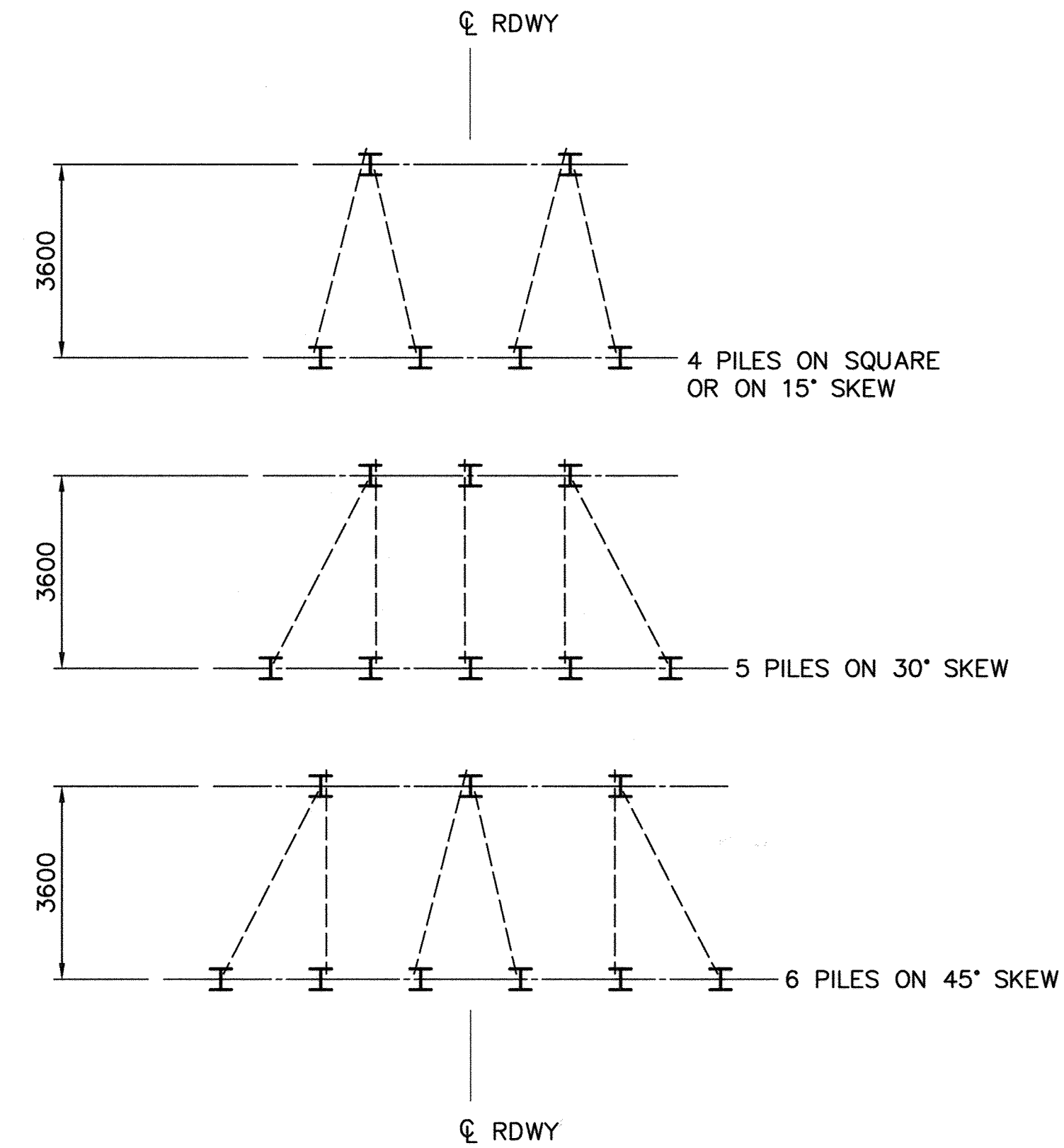


DRAWING
HIGHWAY
CONTRACT
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DEPARTMENT BAR CODE



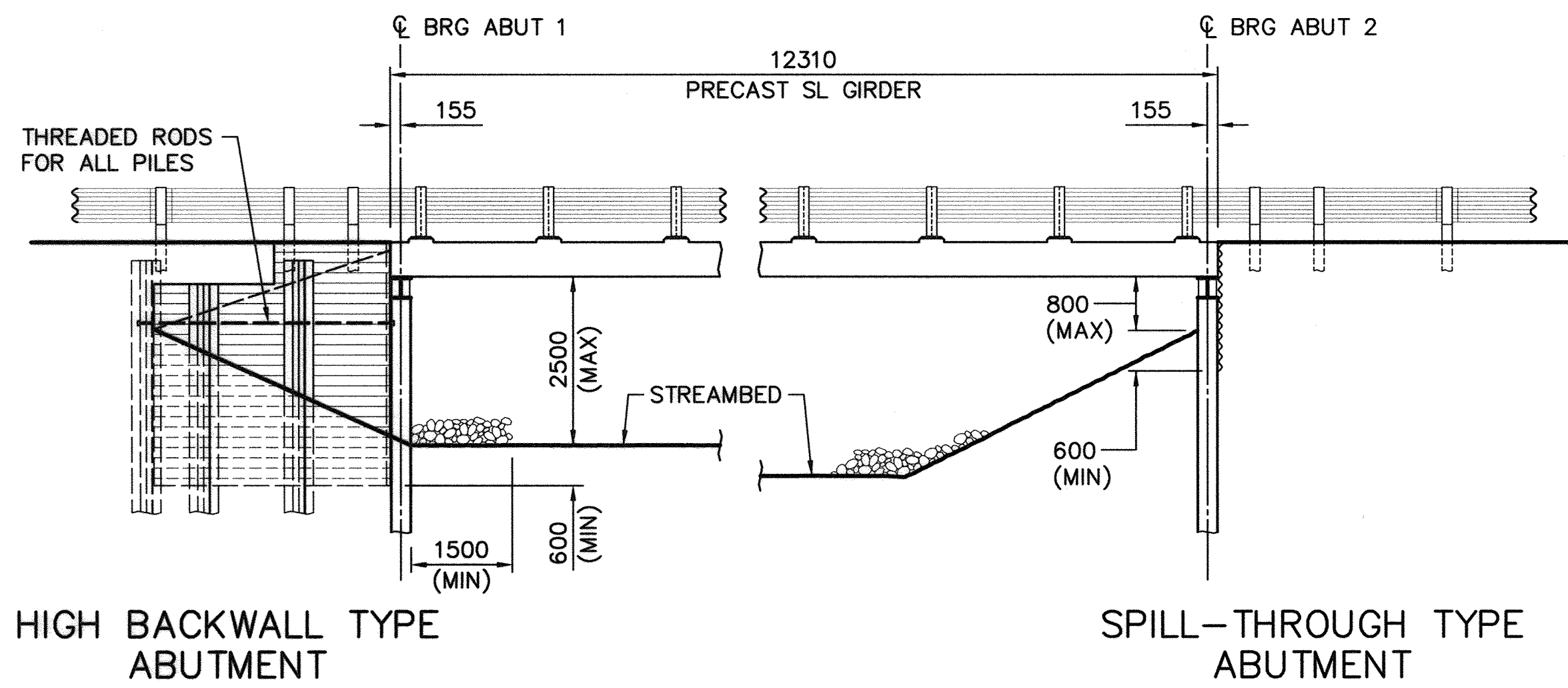
BRIDGE PLAN
1:75



BEARING AND ANCHOR PILE ARRANGEMENT
FOR HIGH BACKWALL TYPE ABUTMENT NTS

GENERAL NOTES

- THIS DRAWING PROVIDES GEOMETRY AND DESIGN DATA FOR 5280 mm WIDE CLEAR ROADWAY SINGLE LANE SL PRECAST CONCRETE GIRDER BRIDGES WITH STEEL SUBSTRUCTURES ON LOW VOLUME LOCAL ROADS.
- THIS DRAWING SHALL BE WORKED TOGETHER WITH STANDARD DRAWINGS S-1753 TO S-1758 FOR SPILL-THROUGH TYPE ABUTMENTS, AND STANDARD DRAWINGS S-1793 TO S-1796 FOR HIGH BACKWALL TYPE ABUTMENTS. THE GEOMETRY AND DESIGN DATA ON THIS DRAWING PROVIDES SUPPLEMENTAL INFORMATION TO THE ABOVE LISTED STANDARD DRAWINGS FOR BRIDGES WITH 5280 mm CLEAR ROADWAY WIDTH. UNLESS NOTED OTHERWISE, ALL REQUIREMENTS OF THE ABOVE LISTED STANDARD DRAWINGS SHALL APPLY.
- THIS DRAWING SHALL BE USED IN ACCORDANCE WITH THE "LOCAL ROAD BRIDGE DESIGN GUIDELINES" PROVIDED BY ALBERTA TRANSPORTATION FOR SITES MEETING THE FOLLOWING CONDITIONS:
 - LOW TRAFFIC VOLUME MEETING THE REQUIREMENTS OF THE "LOCAL ROAD BRIDGE DESIGN GUIDELINES" FOR SINGLE LANE APPLICATION
 - GRAVEL ROADS WITH NO DE-ICING SALT EXPOSURE
 - BRIDGE ON TANGENT ALIGNMENT
 - SMALL STREAMS WITH MINIMAL RISK OF ABUTMENT SCOURING
- THE USERS OF THESE DRAWINGS SHALL PROVIDE A SITE SPECIFIC GENERAL LAYOUT DRAWING TO IDENTIFY:
 - BRIDGE LOCATION MAP
 - BRIDGE GENERAL ARRANGEMENT IN PLAN AND ELEVATION
 - BRIDGE SPAN AND CLEAR ROADWAY
 - STREAM CHARACTERISTICS
 - ROADWAY ALIGNMENT, PROFILE AND STATIONING
 - FILL/CUT LIMITS
 - BRIDGERAIL AND APPROACH GUARDRAIL LAYOUT
 - SCOUR PROTECTION WORKS
- A RECORD DRAWING REVISION OF THE GENERAL LAYOUT SHALL RECORD ANY CHANGES MADE DURING CONSTRUCTION AND SHALL PROVIDE ACTUAL PILE PENETRATION INFORMATION FOR EACH PILE.
- ALL DIMENSIONS ARE GIVEN IN MILLIMETRES UNLESS NOTED OTHERWISE.



BRIDGE ELEVATION
1:75

SPILL-THROUGH TYPE ABUTMENTS FOR USE WITH DWGS S-1753 TO S-1756						
CLEAR ROADWAY (GIRDERS/SPAN)		R	5280 (5)			
			0'	15'	30'	45'
GENERAL	SKEW	A	6260	6481	7228	8853
	PILE CAP LENGTH	B	61	61	61	61
	DIFFERENTIAL FOR ROADWAY GRADE OF	1% C	0	17	36	63
		2% C	0	34	73	126
		3% C	0	51	109	189
NUMBER - LOAD BEARING	D	4	4	4	5	
SPACING	E	1517	1570	1751	1609	
END DISTANCES	F	855	885	987	1209	
WINGWALL PILE LOCATION	G	1665	1724	1923	2354	
WINGWALL PROJECTION	H	600	621	693	849	
NUMBER OF DOWELS PER LINE	I	10	10	10	10	
EXTERIOR GIRDER LOCATION FROM \bar{C} BRIDGE	M	3025	3132	3493	4278	

HIGH BACKWALL TYPE ABUTMENTS FOR USE WITH DWGS S-1793 TO S-1796						
CLEAR ROADWAY (GIRDERS/SPAN)		R	5280 (5)			
			0'	15'	30'	45'
GENERAL	OVERALL LENGTH	W	9080	9400	10485	12841
	PILE CAP LENGTH	A	6260	6481	7228	8853
	DIFFERENTIAL FOR ROADWAY GRADE OF	CROWN B	61	61	61	61
1% C		0	17	36	63	
2% C		0	34	72	125	
3% C	0	50	108	188		
NUMBER - LOAD BEARING	D	4	4	5	6	
SPACING	E	1517	1627	1455	1573	
END DISTANCES	F	855	800	705	495	
NUMBER OF DOWELS PER LINE	G	10	10	10	10	
EXTERIOR GIRDER LOCATION FROM \bar{C} BRIDGE	M	3025	3132	3493	4278	

PERMIT TO PRACTICE AECOM Canada Ltd. Signature: <i>Bob Ramon</i> Date: <i>Feb 9, 2015</i> PERMIT NUMBER: P10450 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.	DESIGNER DATE: <i>Feb. 9, 2015</i>	CHECKER DATE: <i>Feb. 11, 2015</i>	RECOMMENDED DIRECTOR BRIDGE ENGINEERING APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH DATE: <i>FEB. 18/15</i>	Alberta Transportation LOW VOLUME STANDARD BRIDGE SINGLE LANE SL PRECAST GIRDERS ON STEEL SUBSTRUCTURES
	AT BARCODE DATE: 2015-01-19 SHEET: 1 OF 1 DRAWING: LRS-1015			