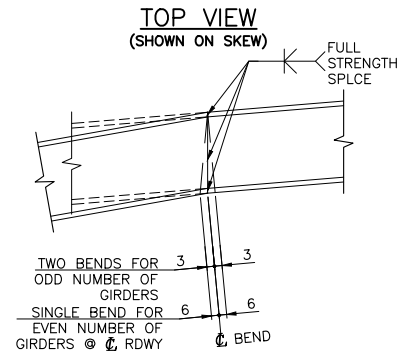
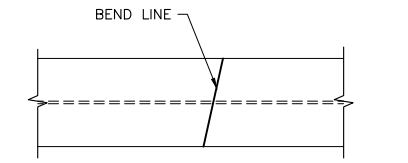
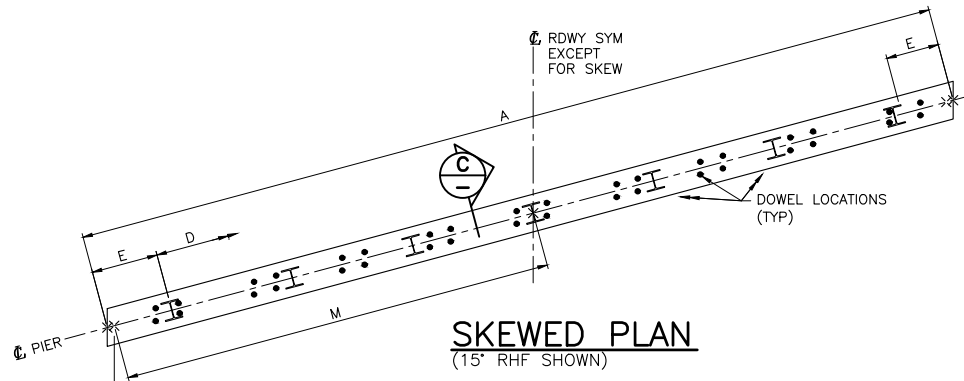


DATA FOR STANDARD SL PRECAST GIRDER BRIDGES – PIERS

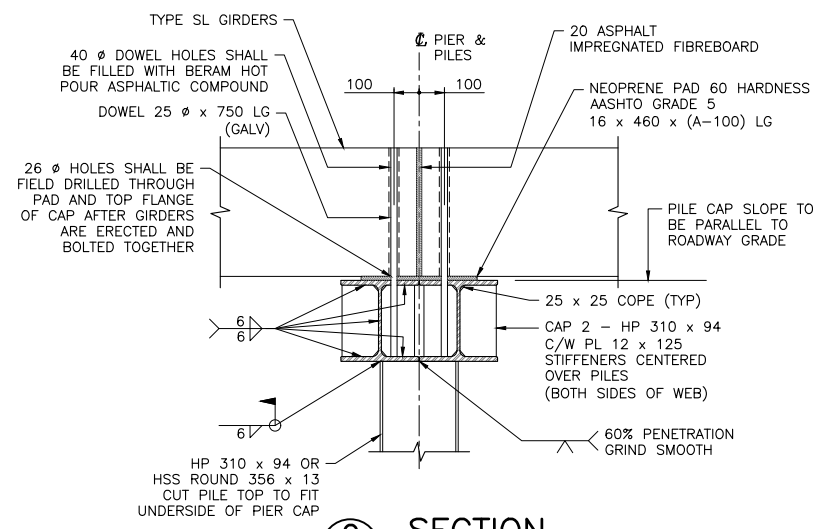
CLEAR ROADWAY (GIRDERS/SPAN)		R	8 940 (8)			10 160 (9)			11 370 (10)			12 590 (11)			13 810 (12)			15 020 (13)			
SKEW			0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
GENERAL	OVERALL LENGTH	A	9 920	10 270	11 455	11 140	11 533	12 863	12 350	12 786	14 261	13 570	14 049	15 669	14 790	15 312	17 078	16 000	16 564	18 475	
	CROWN	B	99	99	99	111	111	111	124	124	124	136	136	136	148	148	148	160	160	160	
	DIFFERENTIAL FOR ROADWAY GRADE OF	1%	C	0	27	57	0	30	64	0	33	71	0	36	78	0	40	85	0	43	92
		2%	C	0	53	115	0	60	129	0	66	143	0	73	157	0	79	171	0	86	185
3%		C	0	80	172	0	90	193	0	99	214	0	109	235	0	119	256	0	129	277	
PILES	NUMBER		6	6	6	7	7	7	8	8	8	9	9	9	9	9	9	10	10	10	
	SPACING	D	1 642	1 700	1 896	1 572	1 627	1 815	1 520	1 574	1 755	1 482	1 534	1 711	1 635	1 693	1 888	1 588	1 644	1 834	
	END DISTANCES	E	855	885	987	855	885	987	855	885	987	855	885	987	855	885	987	855	885	987	
NUMBER OF DOWELS PER LINE		16	16	16	18	18	18	20	20	20	22	22	22	24	24	24	26	26	26		
EXTERIOR GIRDER LOCATION FROM BRIDGE	M	4 859	5 030	5 611	5 467	5 660	6 313	6 075	6 289	7 015	6 683	6 919	7 717	7 291	7 548	8 419	7 899	8 178	9 121		



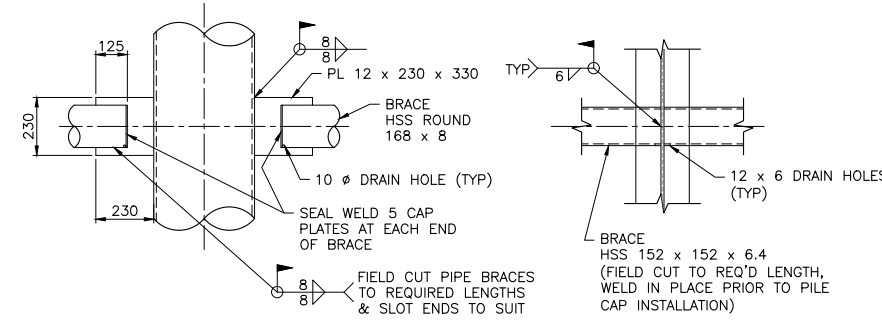
(X) DETAIL NTS



SKEWED PLAN (15° RHF SHOWN)



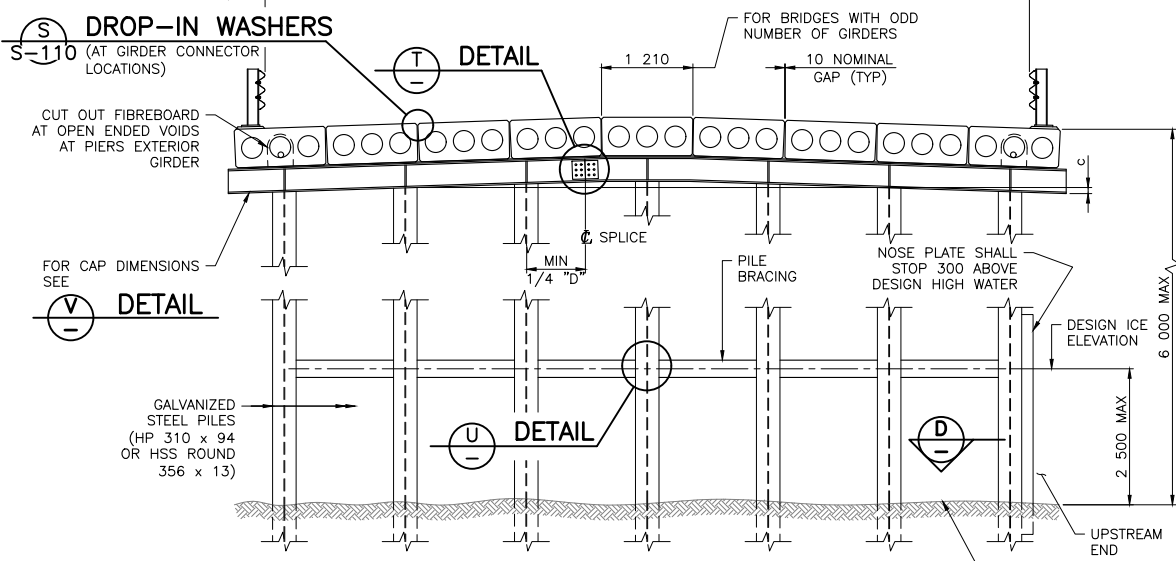
(C) SECTION 1:15



PIPE PILE PIER

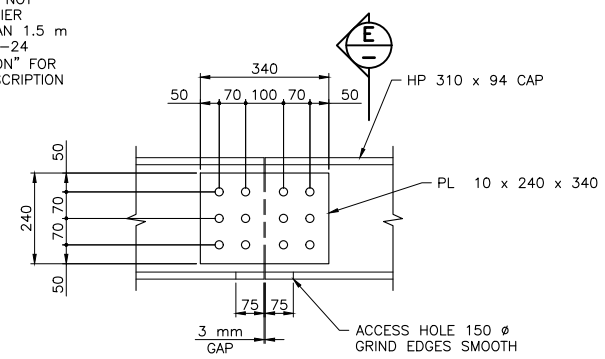
H-PILE PIER

(U) BRACING DETAILS 1:15

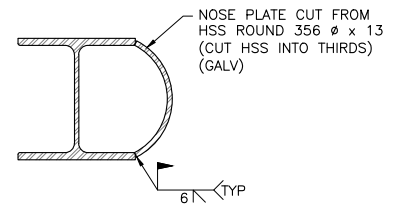


PIER ELEVATION 1:50

NOTE: PILE BRACING IS NOT REQUIRED FOR PIER HEIGHT LESS THAN 1.5 m SEE DWG S-108-24 "BRIDGE ELEVATION" FOR PIER HEIGHT DESCRIPTION

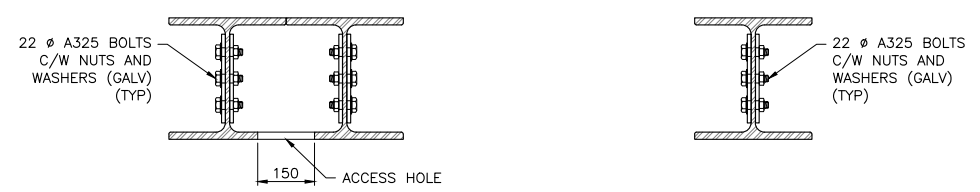


(E) SECTION - PIER 1:10



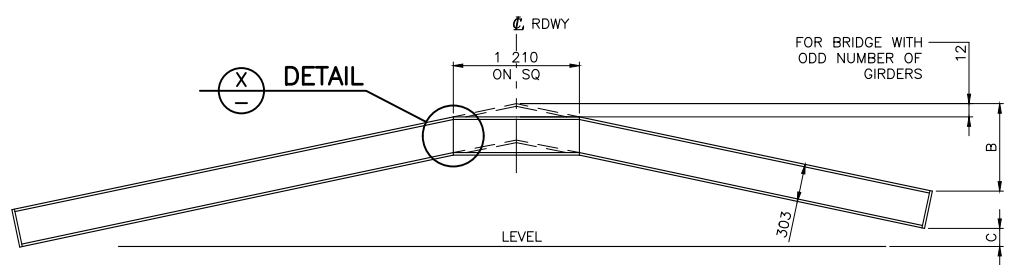
(D) SECTION 1:10 (FOR HP 310 x 94 PILE ONLY)

(T) DETAIL - OPTIONAL FIELD SPLICE S-109/S-110 1:10



(E) SECTION - PIER 1:10

(E) SECTION - ABUTMENT 1:10



(V) DETAIL S-109/S-110 NTS (FOR B & C DIMENSIONS)

NOTE: DIMENSION B IS GIVEN TO THEORETICAL CROWN

\* WORK THESE DRAWINGS TOGETHER: S-108-24, S109-24, S-110-24, AND S-111-24 TOGETHER WITH SITE SPECIFIC GENERAL LAYOUT.

		Consultant Logo	
Rev	Date	Description	Init

Government of Northwest Territories  
STANDARD DRAWING  
TYPE SL-510 PRESTRESSED CONCRETE BRIDGES  
WITH STEEL SUBSTRUCTURES – SHEET 2

DESIGNED	K. HABEL	DATE	OCTOBER 25, 2024
CHECKED	K. WILLIS	DATE	OCTOBER 25, 2024
DRAWN	T. CHIU	DATE	OCTOBER 25, 2024
SCALE	AS SHOWN		

PROJECT No.		PREPARED UNDER THE DIRECTION OF	
		K. HABEL	
		ENGINEER OF RECORD	
		DATE	OCTOBER 25, 2024
		DRAWING No.	S-109-24

CANCEL PRINTS BEARING PREVIOUS LETTER

FILE: \\MECA\DATA\WORKING\W\N\2021-2234-00\STRU\MODEL\S-109-24.DWG  
PLOTTED: October 25, 2024