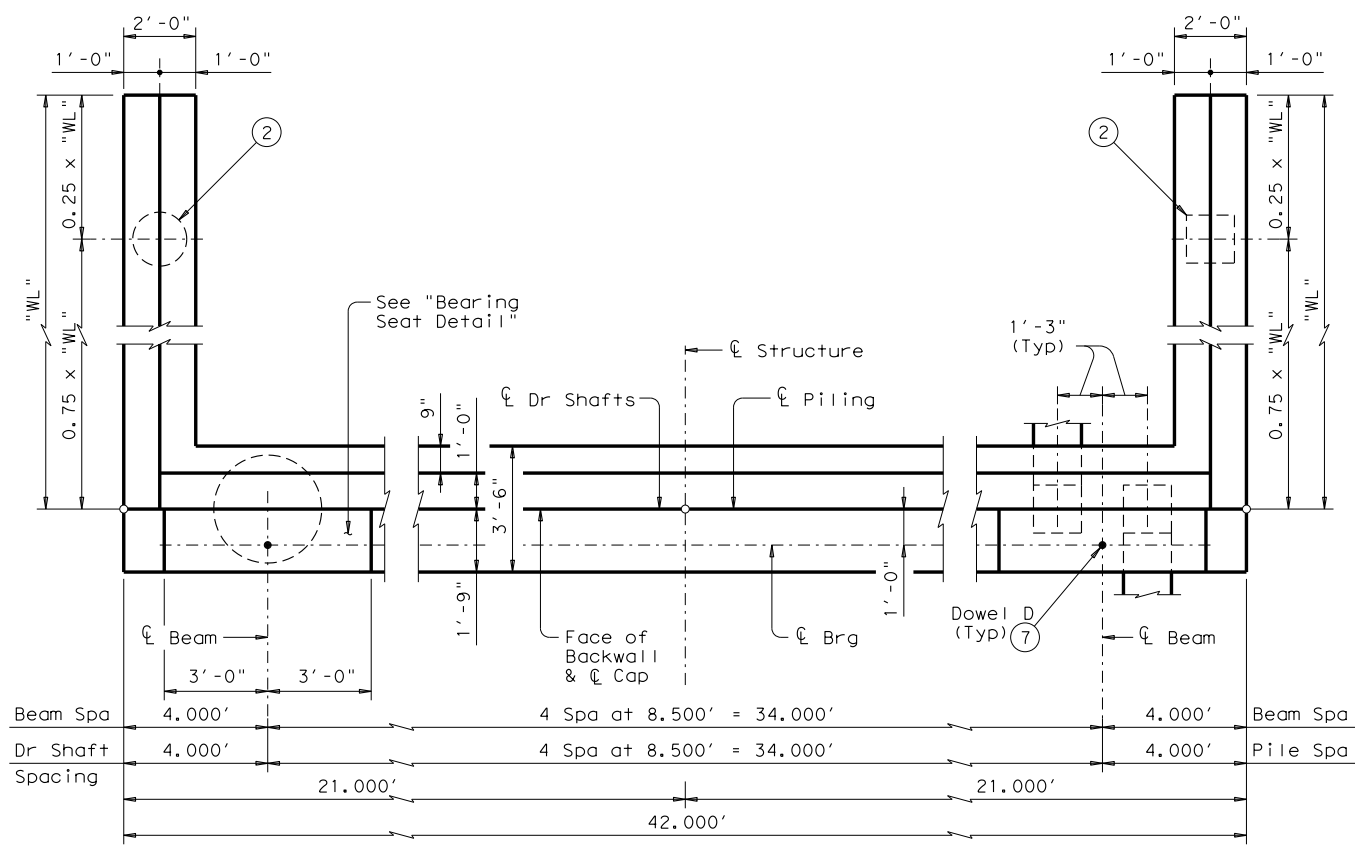
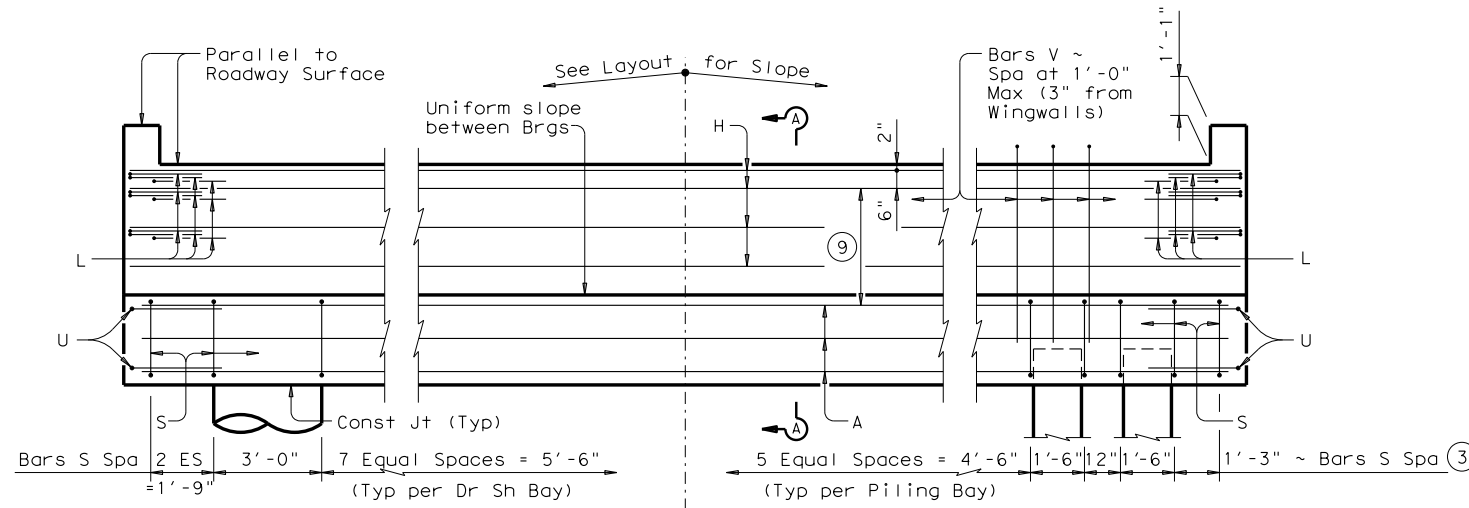


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DATE: FILE:

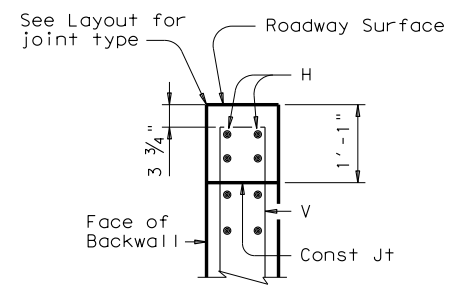


SHOWING DRILLED SHAFTS PLAN 1 SHOWING PILES



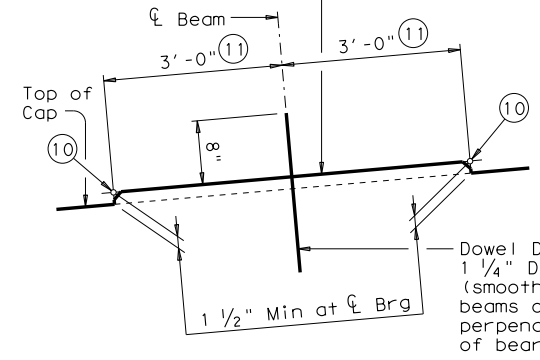
SHOWING DRILLED SHAFTS ELEVATION SHOWING PILES

Header Slope	Beam Type	Wingwall Type	Wingwall Lgth "WL"
2:1	XB20	Cantilevered	7.000'
	XB28	Cantilevered	8.000'
	XB34	Cantilevered	9.000'
	XB40	Cantilevered	10.000'
3:1	XB20	Cantilevered	10.000'
	XB28	Cantilevered	12.000'
	XB34	Founded	13.000'
	XB40	Founded	15.000'



BACKWALL DETAIL (Without Approach Slab) 6

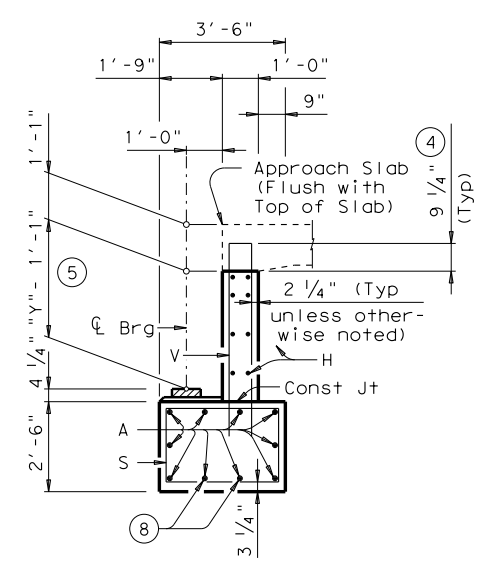
Level along a line perpendicular to backwall. Uniform slope between Left and Right Bearing Seat Elevations with wood float finish.



BEARING SEAT DETAIL

(Bearing surface must be clean and free of all loose material before placing bearing pad.)

- 1 See Table A for variable dimensions based on header slope and beam type.
- 2 See Table A to determine if wingwall foundations are required.
- 3 For Piling larger than 16" adjust Bars S spacing as required to avoid Piling.
- 4 Increase as required to maintain 3 3/4" from Finished Grade.
- 5 See Span details for "Y" value.
- 6 See Bridge Layout to determine if Approach Slab is present.
- 7 Omit Dowels D at end of unit. Deduct 14 lbs from reinforcing steel total.
- 8 With pile foundations, move Bars A shown to clear piles.
- 9 Spacing based on beam type:
XB20 ~ 2 Equal Spaces
XB28 ~ 3 Equal Spaces
XB34 ~ 3 Equal Spaces
XB40 ~ 3 Equal Spaces
- 10 Right and left elevations and locations are provided elsewhere.
- 11 Measured along centerline of Bearing.



SECTION A-A (With Approach Slab) 6

TABLE OF FOUNDATION LOADS

Span Length	Beam Types 5XB20 Thru 5XB40	
	Ft	Tons/Shaft
40	54	41
45	58	43
50	62	45
55	65	47
60	69	49
65	72	51
70	76	52
75	80	54
80	83	56
85	87	58
90	90	60
95	94	61
100	97	63
105	100	65

GENERAL NOTES:
 Designed according to AASHTO LRFD Specifications.
 Concrete strength f'c = 3,600 psi.
 All cap and wall reinforcing must be Grade 60.
 Galvanize dowel bars D.
 See Bridge Layout for header slope and foundation type, size and length.
 See Foundation Detail Standard Sheet, FD, for all foundation details and notes.
 See Concrete Riprap Standard Sheet, CRR, for riprap attachment details, if applicable.
 See applicable rail details for rail anchorage in wingwalls.
 These abutment details may be used with Standard SXB-40 only.



ABUTMENTS
 TYPE 5XB20 THRU 5XB40
 PRESTR CONC X-BEAMS
 40' ROADWAY

AXB-40

FILE: xbstde61.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
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