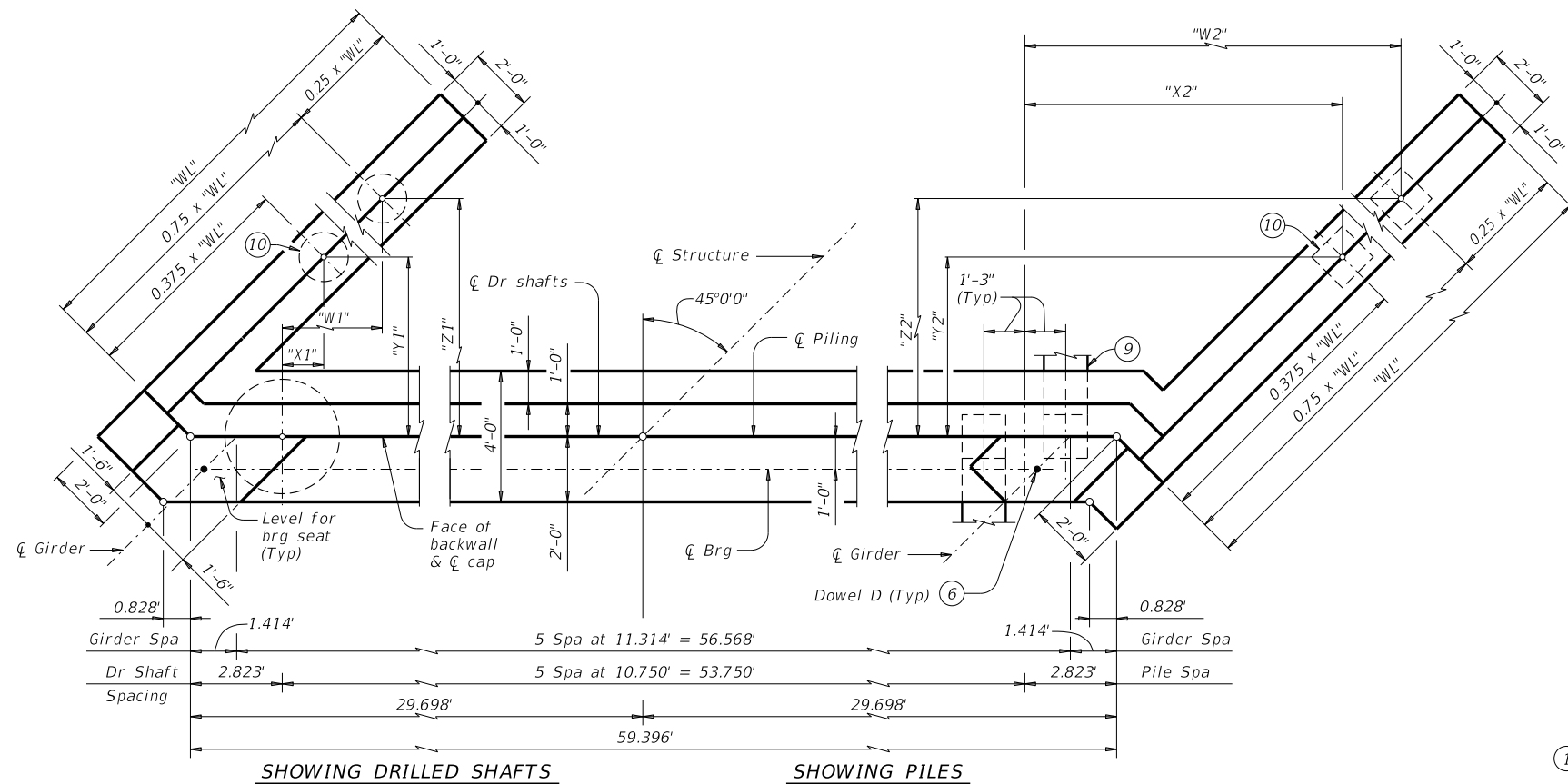
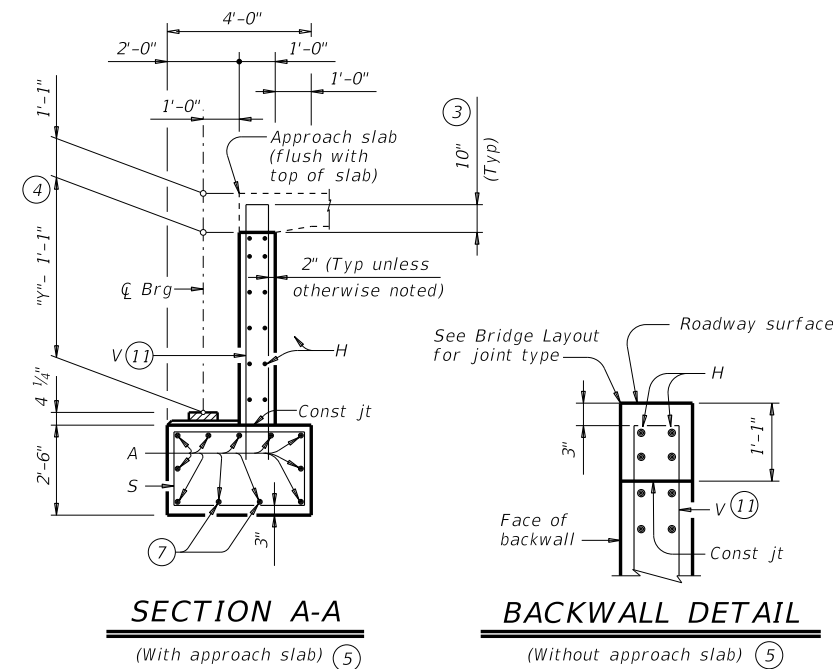


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PLAN ①

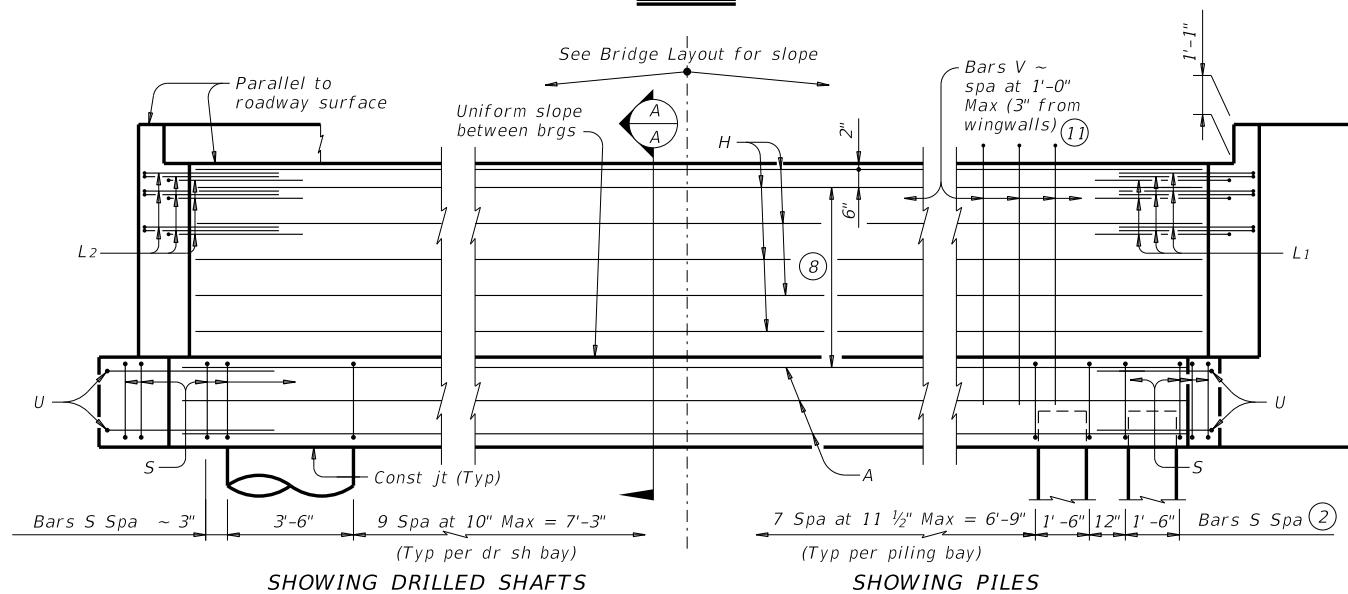


SECTION A-A

BACKWALL DETAIL

(With approach slab) ⑤

(Without approach slab) ⑤



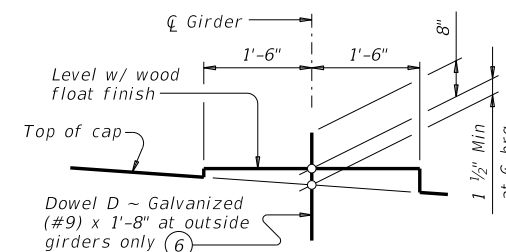
ELEVATION

- ① See Table A for variable dimensions based on header slope.
- ② For piling larger than 16" adjust Bars S spacing as required to avoid piling.
- ③ Increase as required to maintain 3" from finished grade.
- ④ See Span details for "Y" value.
- ⑤ See Bridge Layout to determine if approach slab is present.
- ⑥ Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.
- ⑦ With pile foundations, move Bars A shown to clear piles.
- ⑧ 5 Spaces at 1'-0" Max.
- ⑨ See Detail A on FD standard.
- ⑩ See Table A to determine if this wingwall foundation is required.
- ⑪ Field bend as needed to clear piles.

GENERAL NOTES:
 Designed according to AASHTO LRFD Bridge Design Specifications.
 See Bridge Layout for header slope and foundation type, size and length.
 See Common Foundation Details (FD) standard sheet for all foundation details and notes.
 See Concrete Riprap (CRR) standard sheet or Stone Riprap (SRR) standard sheet for riprap attachment details, if applicable.
 See applicable rail details for rail anchorage in wingwalls.
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.
 These abutment details may be used with standard SIG-62-44-45 only.

Cover dimensions are clear dimensions, unless noted otherwise.
 Reinforcing bar dimensions shown are out-to-out of bar.

MATERIAL NOTES:
 Provide Class C concrete ($f'c = 3,600$ psi).
 Provide Class C (HPC) concrete if shown elsewhere in the plans.
 Provide Grade 60 reinforcing steel.
 Galvanize dowel bars D.



BEARING SEAT DETAIL

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

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	21.000'	7.606'	Not Applicable		11.844'	14.668'	Not Applicable		10.430'
3:1	Tx62	Founded	30.000'	12.379'	4.424'	8.662'	16.617'	19.440'	11.486'	7.248'	15.203'

TABLE OF FOUNDATION LOADS

Span Length	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	64	61
65	68	63
70	71	64
75	74	66
80	77	67
85	80	69
90	83	70
95	86	72
100	89	73
105	92	75
110	95	76
115	97	78
120	100	79
125	103	81
130	106	83
135	109	84

HL93 LOADING SHEET 1 OF 2

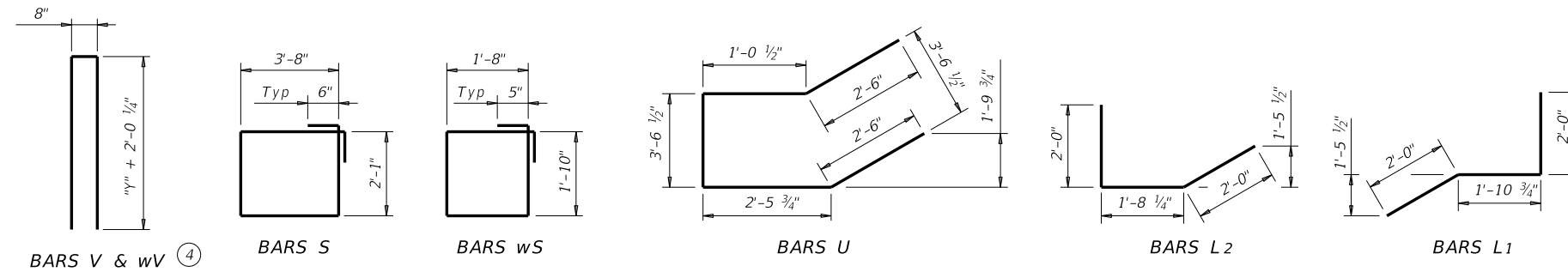
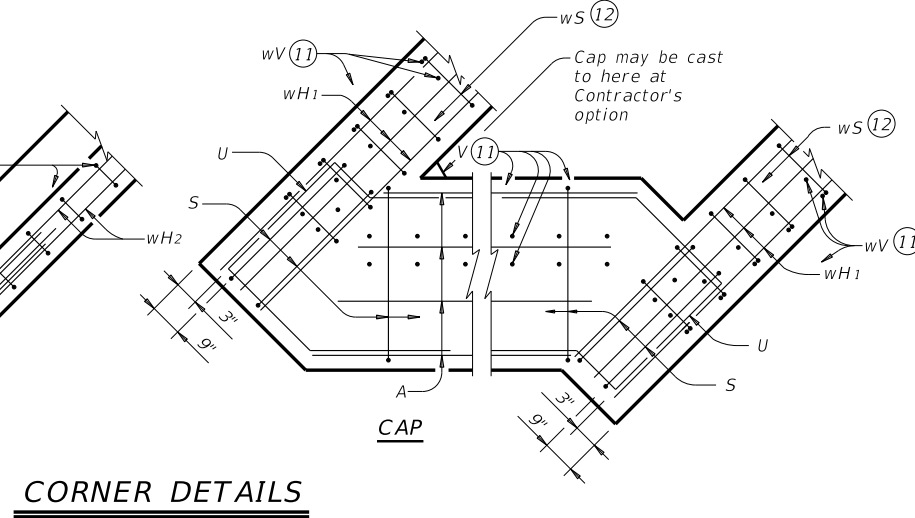
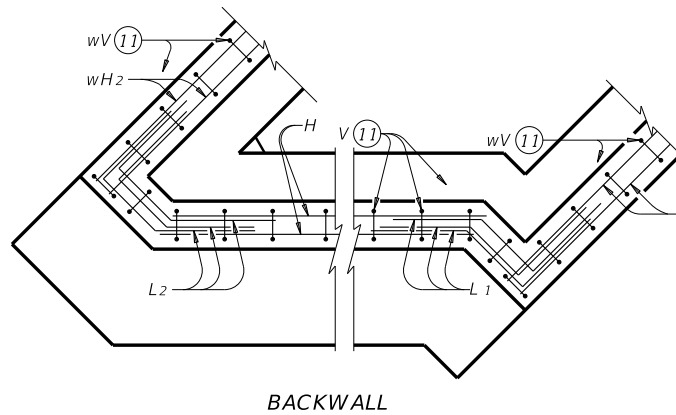
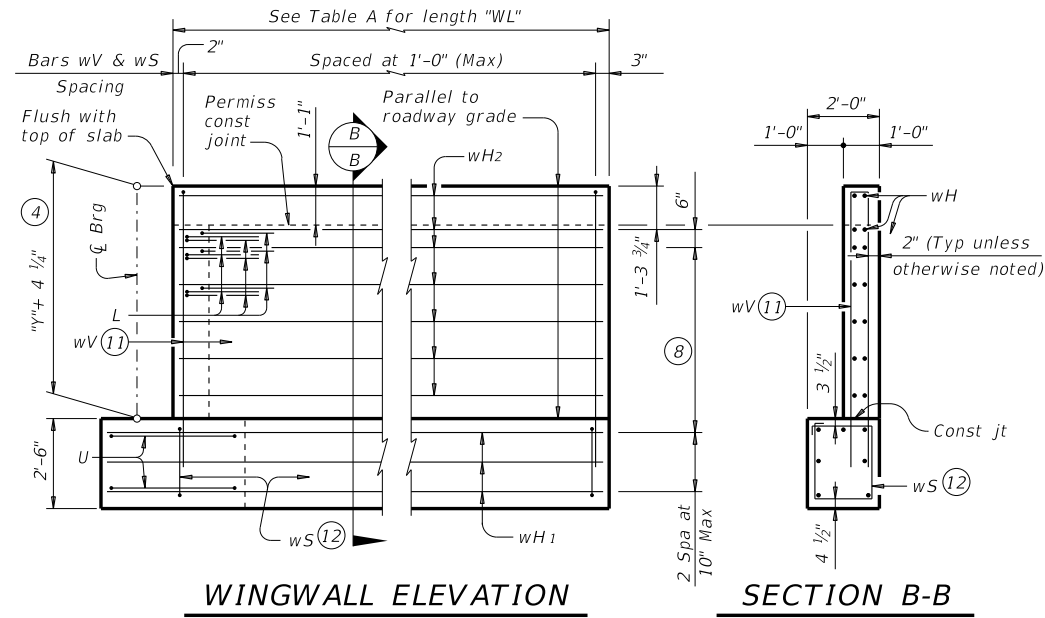


ABUTMENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 44' ROADWAY 45° SKEW
 AIG-62-44-45

FILE: IG-AIG624445-23.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
10-2023 - Stirrup Spa	DIST	COUNTY	SHEET NO.	

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DATE: FILE:



- ④ See Span details for "y" value.
- ⑥ Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.
- ⑧ 5 Spaces at 1'-0" Max.
- ⑪ Field bend as needed to clear piles.
- ⑫ Adjust as required to avoid piling.
- ⑬ Quantities shown are for one abutment only (with approach slab). With no approach slab, add 2.5 CY Class "C" concrete and 357 lbs reinforcing steel for 4 additional Bars H.

TABLE OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	11	#11	59'-5"	3,472
D⑥	2	#9	1'-8"	11
H	12	#6	59'-5"	1,071
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	58	#5	12'-6"	756
U	4	#6	12'-1"	73
V	62	#5	17'-0"	1,099
wH1	14	#6	22'-8"	477
wH2	28	#6	20'-8"	869
wS	44	#4	7'-10"	230
wV	44	#5	17'-0"	780
Reinforcing Steel				Lb 8,996
Class "C" Concrete				CY 53.1

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	11	#11	59'-5"	3,472
D⑥	2	#9	1'-8"	11
H	12	#6	59'-5"	1,071
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	58	#5	12'-6"	756
U	4	#6	12'-1"	73
V	62	#5	17'-0"	1,099
wH1	14	#6	31'-8"	666
wH2	28	#6	29'-8"	1,248
wS	62	#4	7'-10"	324
wV	62	#5	17'-0"	1,099
Reinforcing Steel				Lb 9,977
Class "C" Concrete				CY 60.8

HL93 LOADING

SHEET 2 OF 2



ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
44' ROADWAY 45° SKEW

AIG-62-44-45

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REVISIONS				
10-2023 - Stirrup Spa	DIST	COUNTY	SHEET NO.	