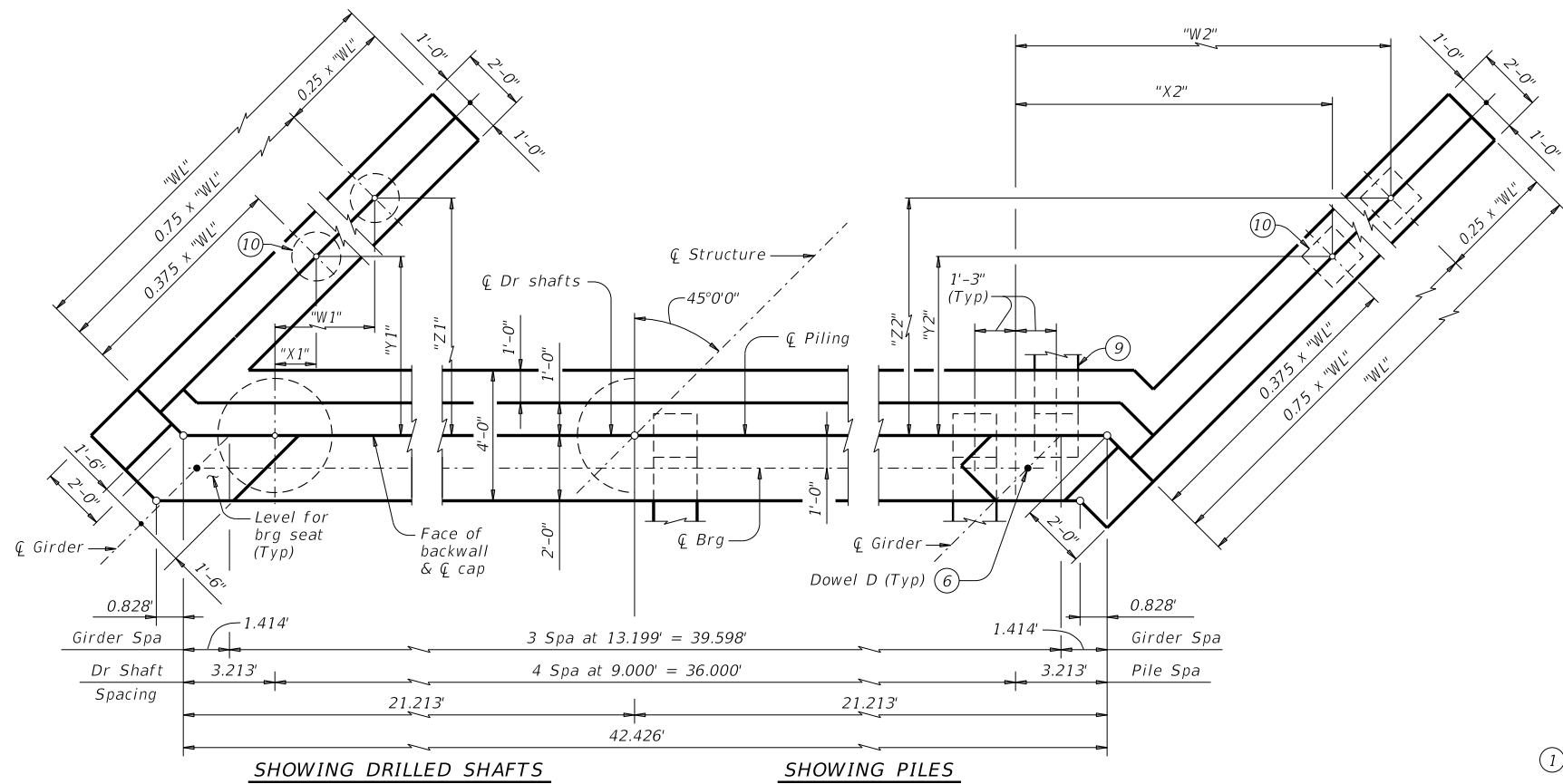
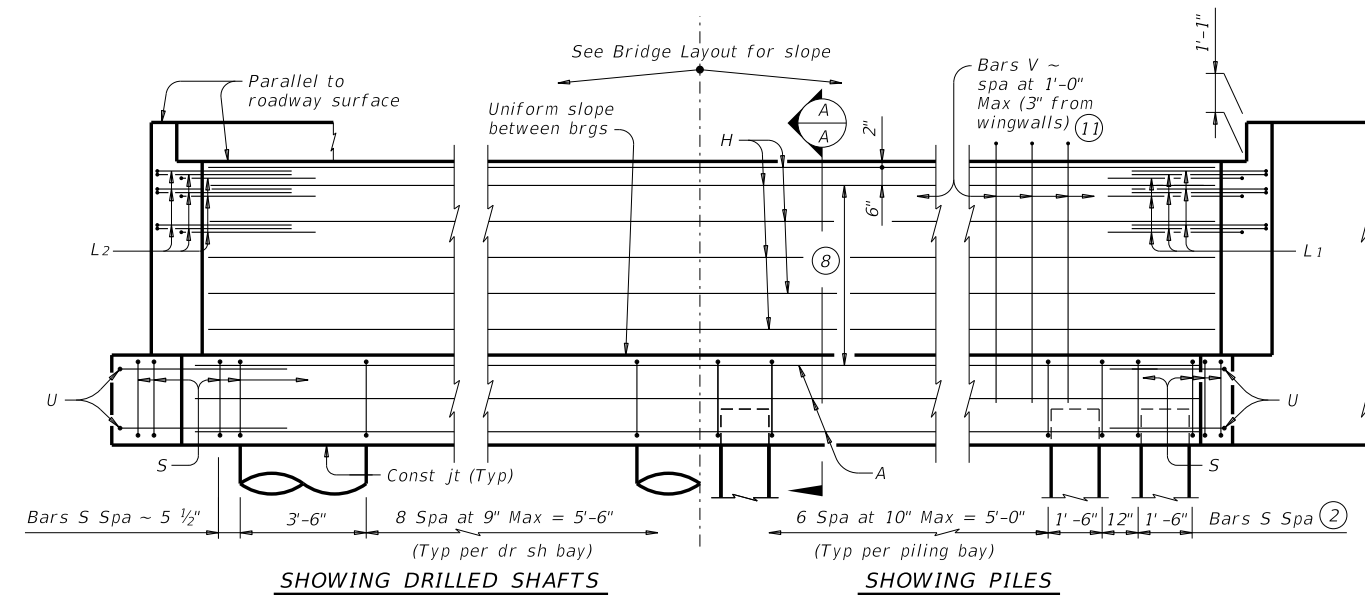


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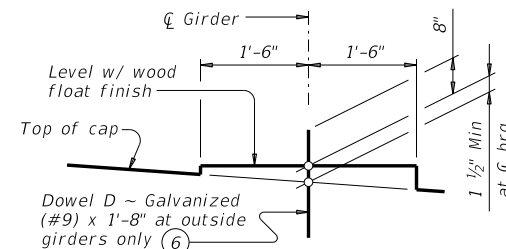
PLAN 1



ELEVATION

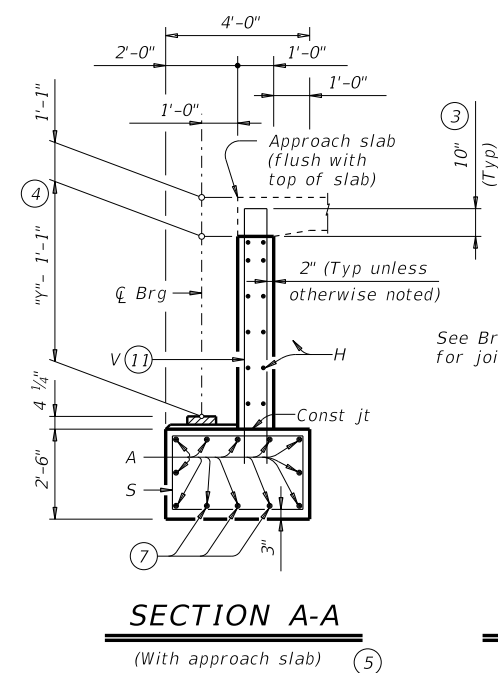
Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	21.000'	7.217'	Not Applicable		11.844'	15.057'	Not Applicable		10.430'
3:1	Tx62	Founded	30.000'	11.990'	4.035'	8.662'	16.617'	19.830'	11.875'	7.248'	15.203'

- 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.



BEARING SEAT DETAIL

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



SECTION A-A

(With approach slab) 5

BACKWALL DETAIL

(Without approach slab) 5

TABLE OF FOUNDATION LOADS

Span Length	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	59	53
65	61	55
70	64	56
75	67	58
80	69	59
85	72	60
90	74	62
95	77	63
100	80	64
105	82	66
110	85	67
115	87	68
120	90	70
125	93	71
130	95	72

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-62-32-45 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.

HL93 LOADING

SHEET 1 OF 2



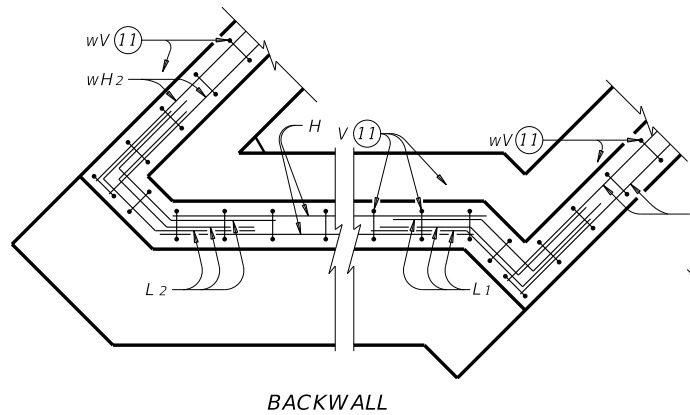
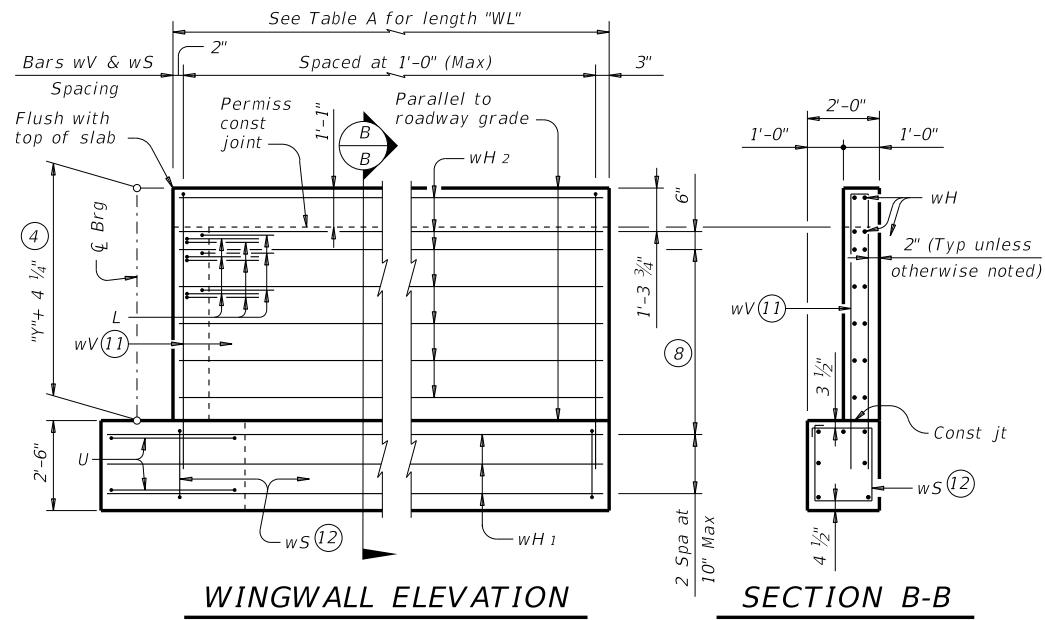
ABUTMENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 32' ROADWAY 45° SKEW

AIG-62-32-45

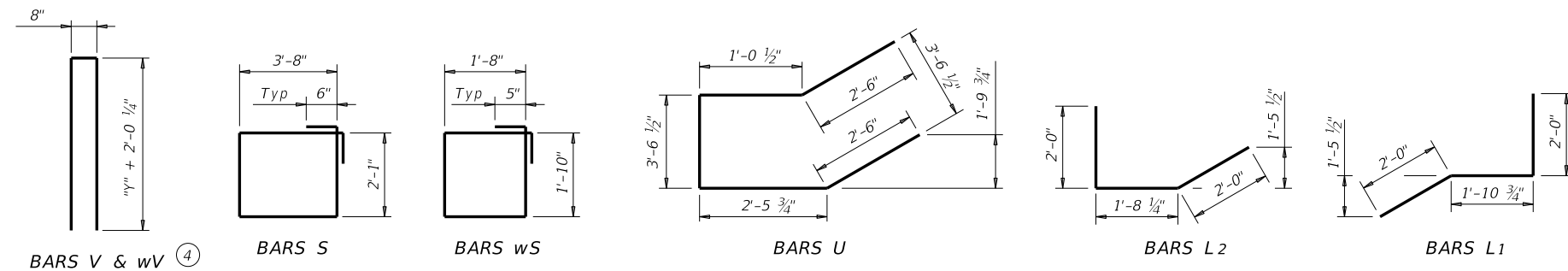
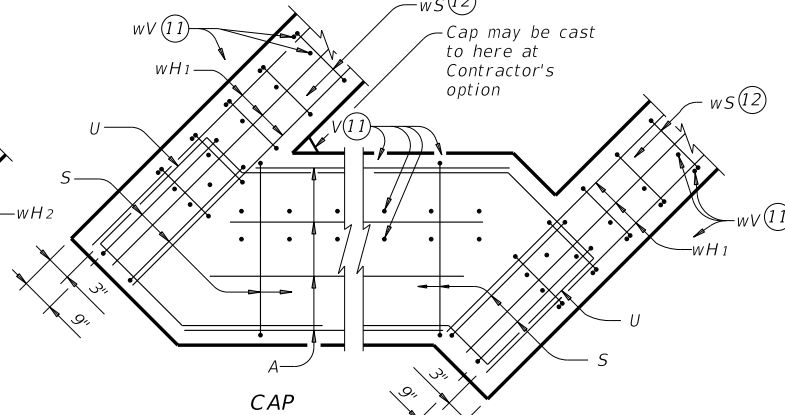
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©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-2023 - Stirrup Spa	DIST	COUNTY		SHEET NO.

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CORNER DETAILS



- 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 1.8 CY Class "C" concrete and 255 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	12	#11	42'-5"	2,704
D⑥	2	#9	1'-8"	11
H	12	#6	42'-5"	765
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	44	#5	12'-6"	574
U	4	#6	12'-1"	73
V	45	#5	17'-0"	798
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 7,439
Class "C" Concrete				CY 43.3

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	12	#11	42'-5"	2,704
D⑥	2	#9	1'-8"	11
H	12	#6	42'-5"	765
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	44	#5	12'-6"	574
U	4	#6	12'-1"	73
V	45	#5	17'-0"	798
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 8,420
Class "C" Concrete				CY 51.0

HL93 LOADING

SHEET 2 OF 2



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

AIG-62-32-45

FILE: IG-AIG623245-23.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-2023 - Stirrup Spa	DIST	COUNTY	SHEET NO.	