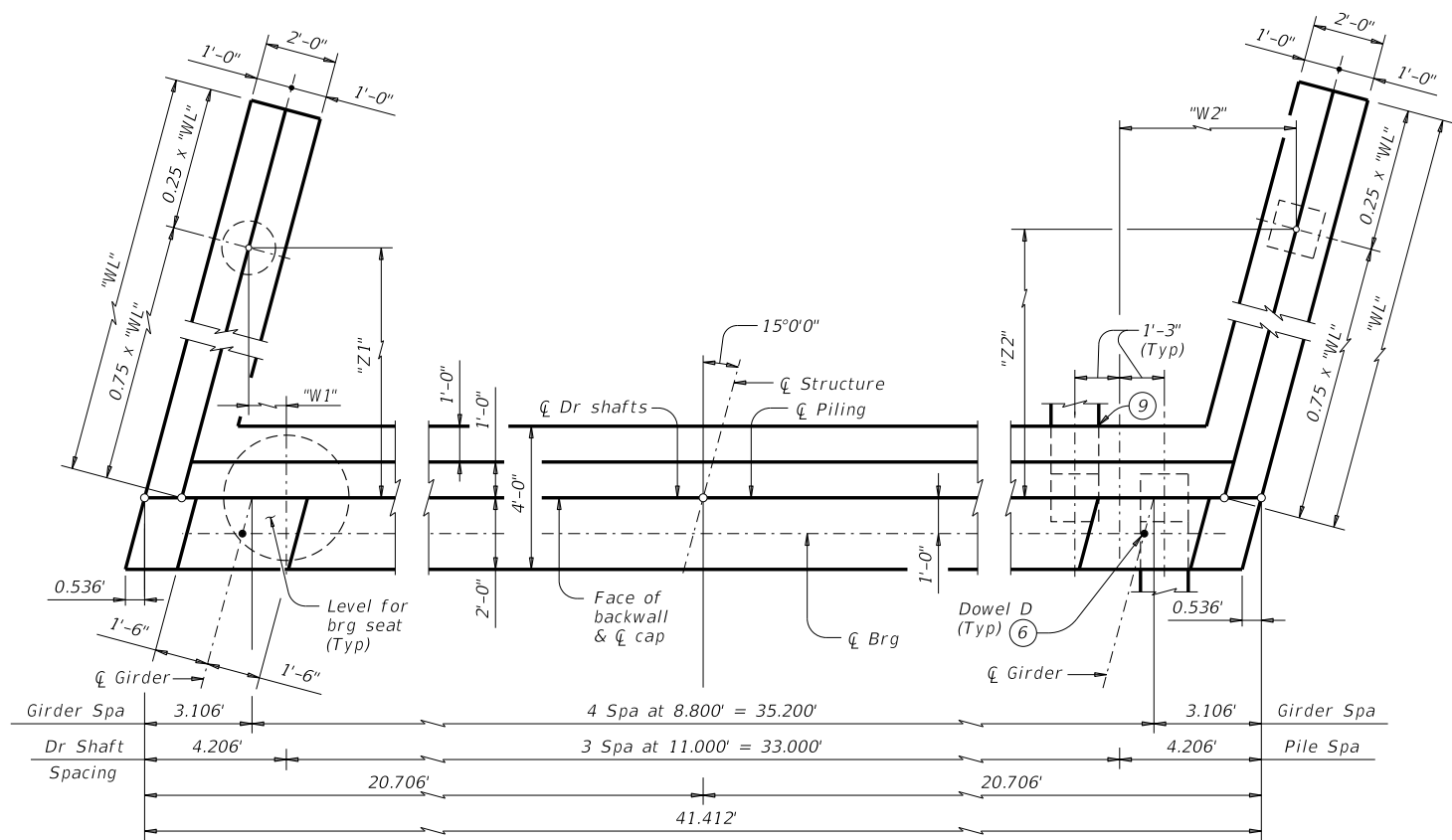
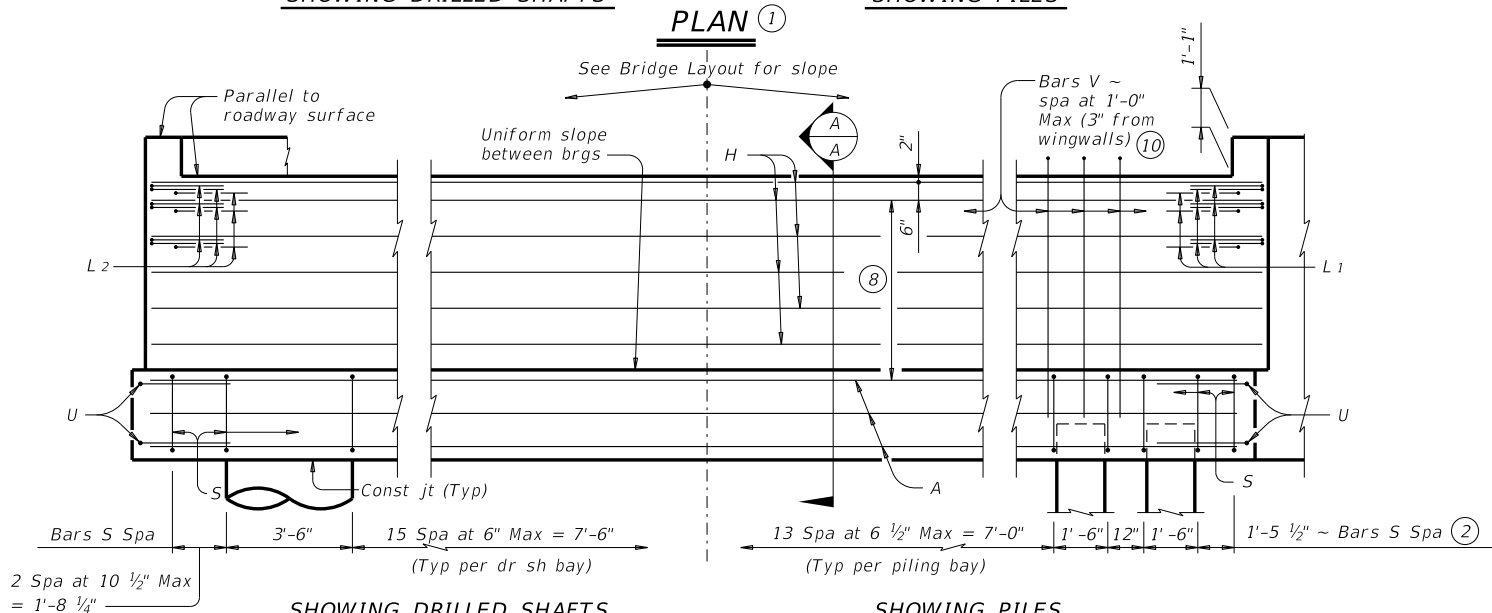


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DATE: FILE:

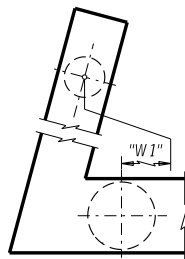


SHOWING DRILLED SHAFTS PLAN 1 SHOWING PILES

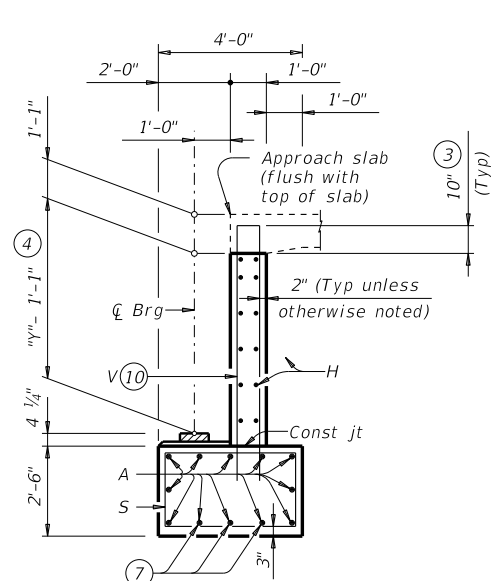


SHOWING DRILLED SHAFTS ELEVATION SHOWING PILES

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1" (1)	"Z1"	"W2"	"Z2"
2:1	Tx62	Founded	14.000'	0.453'	10.142'	5.888'	10.142'
3:1	Tx62	Founded	21.000'	-0.906'	15.213'	7.247'	15.213'

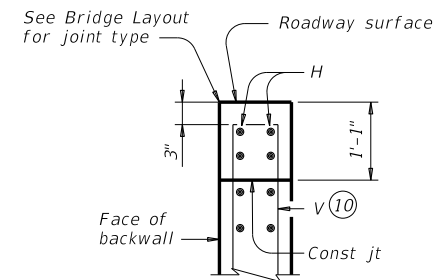


DETAIL A



SECTION A-A

(With approach slab) 5



BACKWALL DETAIL

(Without approach slab) 5

- 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 Field bend as needed to clear piles.
- 11 Negative values for the "W1" dimension indicates a wingwall foundation on the other side of the cap foundation from what is shown in plan view. See Detail A.

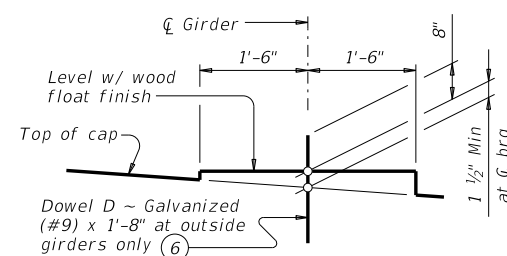
GENERAL NOTES:

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-62-38-15 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.)

TABLE OF FOUNDATION LOADS

Span Length	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	84	71
65	88	74
70	92	76
75	96	78
80	100	80
85	104	82
90	108	84
95	111	86
100	115	88
105	119	90
110	123	92
115	127	94
120	131	96
125	135	98
130	139	100
135	143	102

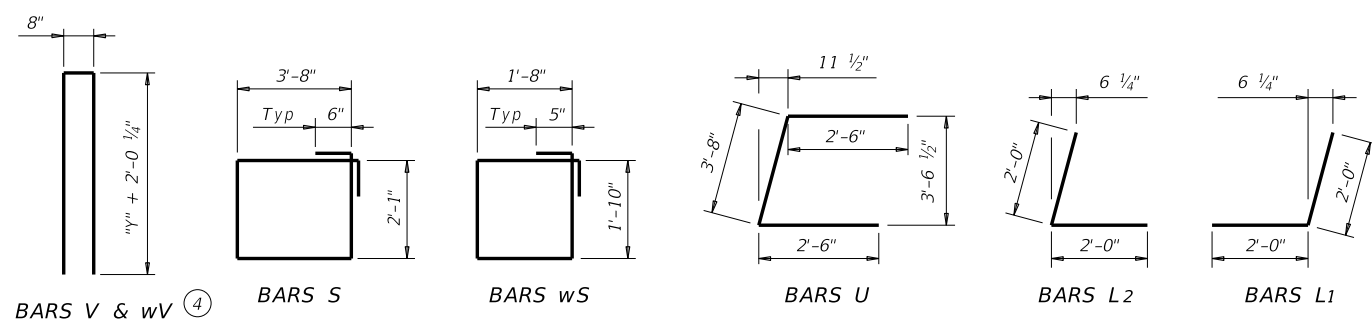
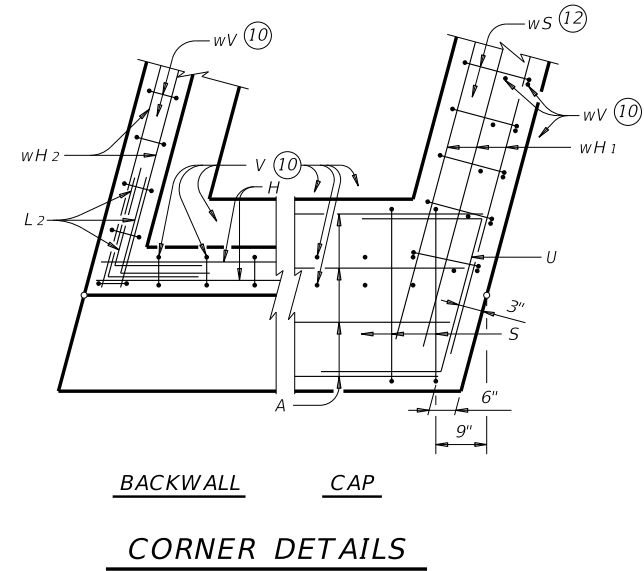
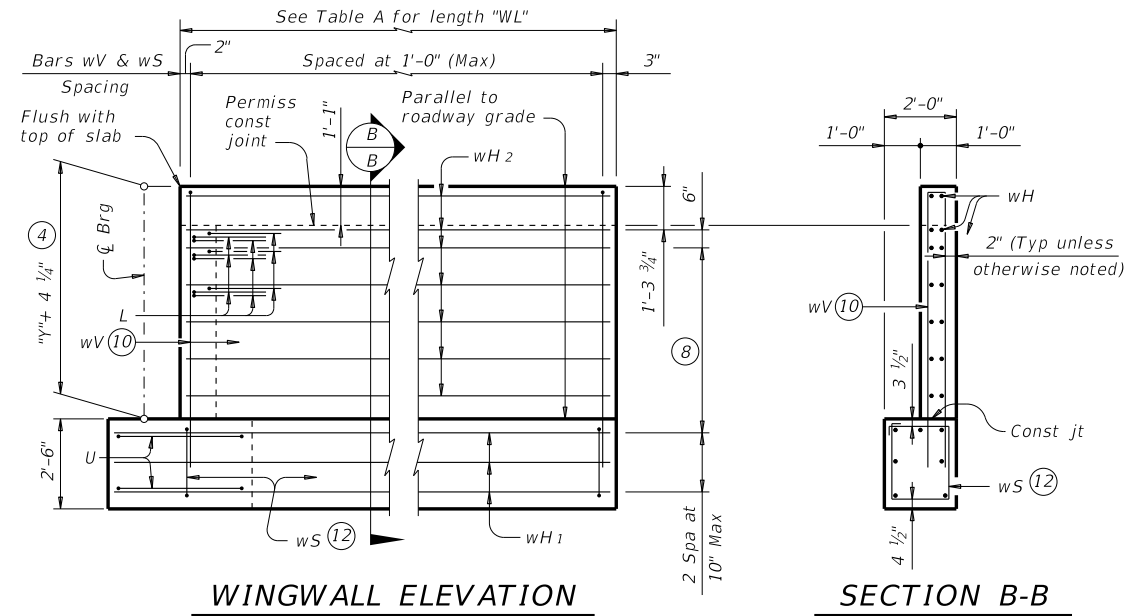
ABUTMENTS TYPE TX62 PRESTR CONC I-GIRDERS 38' ROADWAY 15° SKEW

AIG-62-38-15

FILE: IG-AIG623815-23.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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- 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.
- ⑩ 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 1.6 CY Class "C" concrete and 247 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	40'-5"	2,577
D ⑥	2	#9	1'-8"	11
H	12	#6	41'-1"	740
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	54	#5	12'-6"	704
U	4	#6	8'-8"	52
V	40	#5	17'-0"	709
wH1	14	#6	15'-8"	329
wH2	28	#6	13'-8"	575
wS	30	#4	7'-10"	157
wV	30	#5	17'-0"	532
Reinforcing Steel			Lb	6,494
Class "C" Concrete			CY	34.5

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	12	#11	40'-5"	2,577
D ⑥	2	#9	1'-8"	11
H	12	#6	41'-1"	740
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	54	#5	12'-6"	704
U	4	#6	8'-8"	52
V	40	#5	17'-0"	709
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	7,257
Class "C" Concrete			CY	40.5



**ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
38' ROADWAY 15° SKEW
AIG-62-38-15**

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10-2023 - Stirrup Spa	DIST	COUNTY	SHEET NO.	