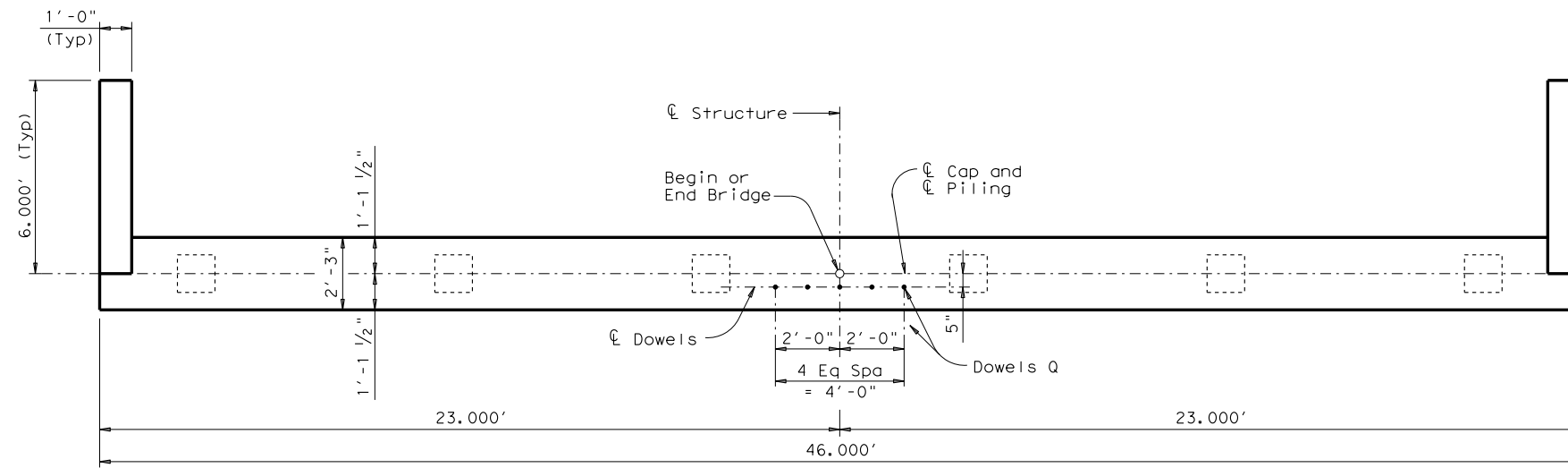
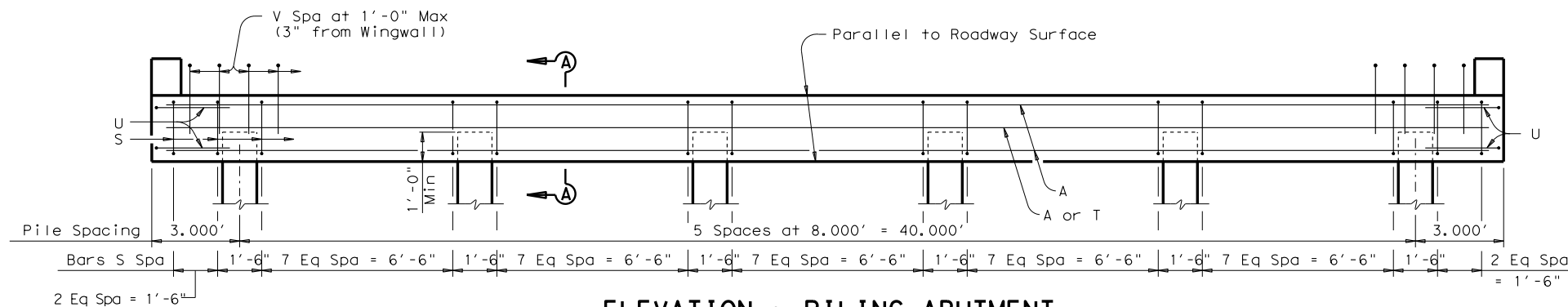


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DATE: FILE:

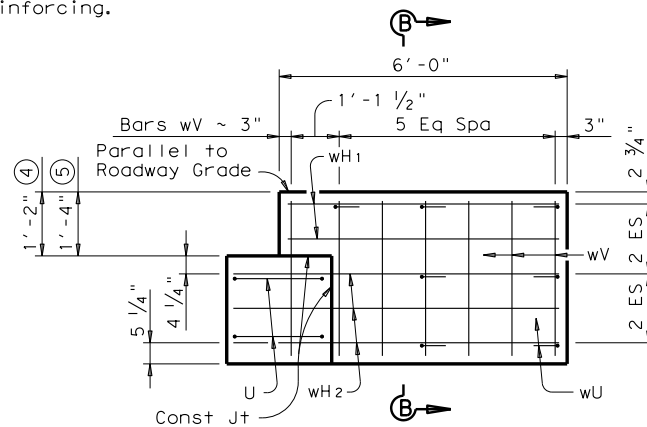


**PLAN**

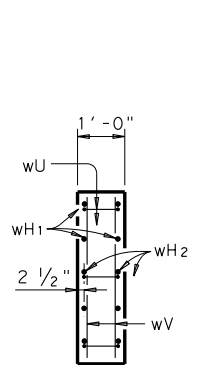


**ELEVATION ~ PILING ABUTMENT**

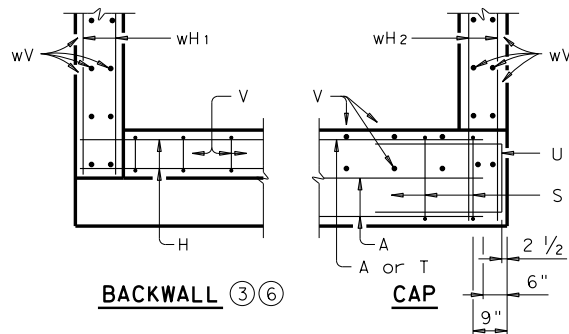
Note: For piling larger than 16", adjust Bars S and/or strip back piling as required to clear cap reinforcing.



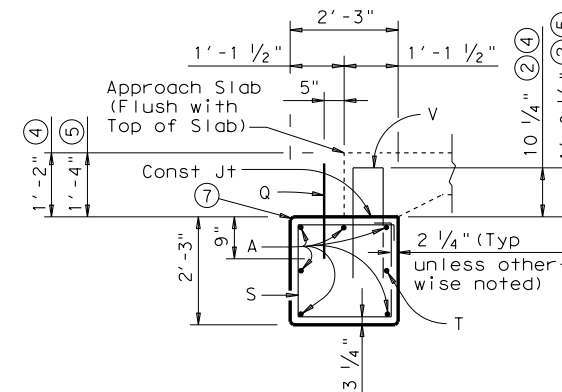
**WINGWALL ELEVATION**



**SECTION B-B**



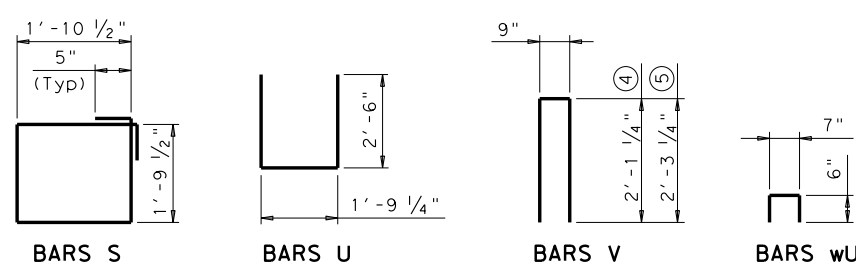
**CORNER DETAILS**



**SECTION A-A (With Approach Slab)**

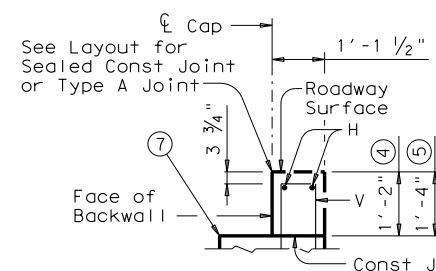
**GENERAL NOTES:**

Designed according to AASHTO LRFD Specifications. All cap and wall reinforcing shall be Grade 60. Concrete strength  $f'c = 3,600$  psi. Designed for normal embankment header slope of 3:1. See Layout for foundation size and length. See standard FD for foundation details and notes. See standard CS-MD for joint details and details not shown. Calculated Foundation Loads: 25 Tons/Pile. These abutment details may be used with standards CS-25-44, CS-50-44, CS-75-44 and CS-80-44 only.



Steel H piling (extend a Min 1'-0" into cap)

**ORIENTATION OF STEEL H PILING**



**BACKWALL DETAIL (Without Approach Slab)**

**TABLE OF ESTIMATED QUANTITIES ①**

14" SLAB					16" SLAB						
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight		
A	6	#11	45'- 0"	1,435	A	6	#11	45'- 0"	1,435		
Q	5	# 6	1'- 6"	11	Q	5	# 6	1'- 6"	11		
S	46	# 4	8'- 2"	251	S	46	# 4	8'- 2"	251		
T	1	# 5	45'- 0"	47	T	1	# 5	45'- 0"	47		
U	4	# 6	6'- 9"	41	U	4	# 6	6'- 9"	41		
V	45	# 5	5'- 0"	235	V	45	# 5	5'- 4"	250		
wH1	8	# 6	5'- 8"	68	wH1	8	# 6	5'- 8"	68		
wH2	12	# 6	6'-10"	123	wH2	12	# 6	6'-10"	123		
wU	14	# 4	1'- 7"	15	wU	14	# 4	1'- 7"	15		
wV	28	# 5	3'- 1"	90	wV	28	# 5	3'- 3"	95		
Reinforcing Steel				Lb	2,316	Reinforcing Steel				Lb	2,336
Class "C" Concrete				CY	10.0	Class "C" Concrete				CY	10.0

① Quantities shown are for one Abutment only (with Approach Slab). With no Approach Slab, add 95 Lbs Reinforcing Steel for 2 ~ #5 Bars H (45'-8") and the following amounts of concrete: 14" slab thickness add 2.1 CY Class "C" Concrete. 16" slab thickness add 2.4 CY Class "C" Concrete.

- ② Increase as required to maintain 3 3/4" from Finished Grade.
- ③ See Layout to determine if Approach Slab is present.
- ④ Use with 14" slab thickness.
- ⑤ Use with 16" slab thickness.
- ⑥ Omit Bars H if Approach Slab is present.
- ⑦ See standard CS-MD for Prefomed Bituminous Fiber Material.

HL93 LOADING

Texas Department of Transportation  
**ABUTMENTS FOR C-I-P CONC SLAB SPANS (PILES) 44 FT ROADWAY**  
**ACSP-44**

FILE: acs20ste.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
CONT	SECT	JOB	HIGHWAY	
REVISIONS				
DIST	COUNTY			SHEET NO.