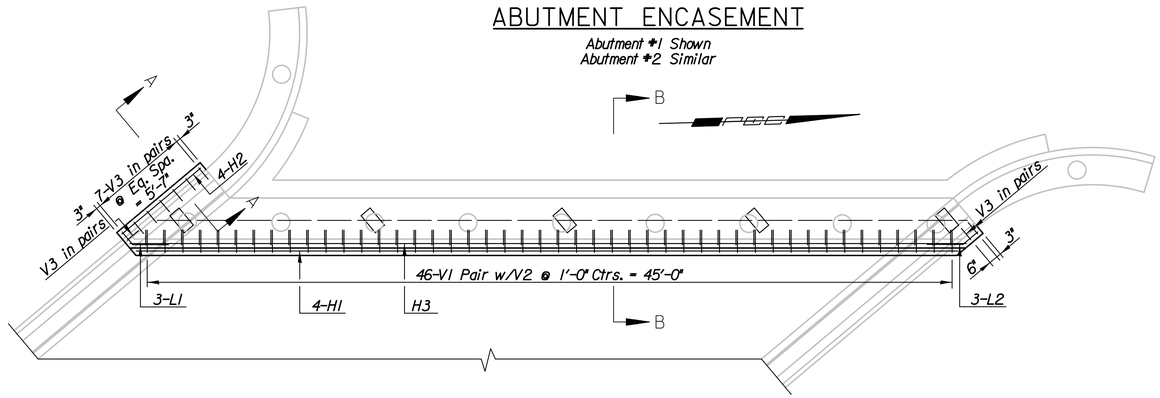
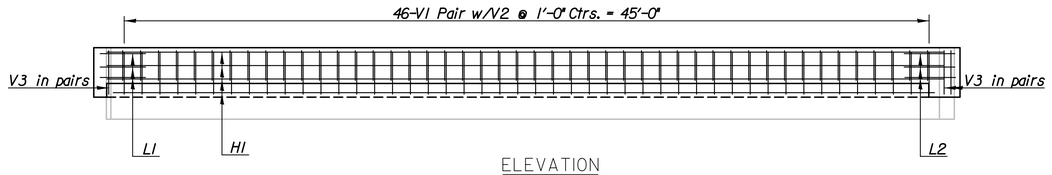
ABUTMENT ENCASEMENT

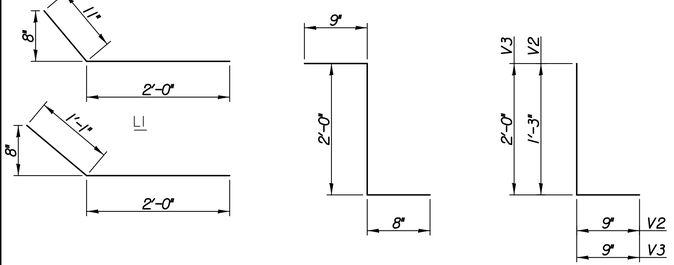
Abutment #1 Shown
Abutment #2 Similar



PLAN
ABUTMENT #1



ELEVATION
ABUTMENT #1



L2 V1 V2, V3

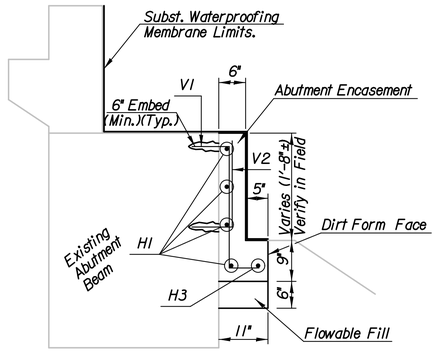
BENDING DIAGRAM

BAR LIST				
MARK	SIZE	FORM	NUMBER	LENGTH
V1	#5	Bent	46	3'-5"
V2	#5	Bent	46	2'-0"
V3	#5	Bent	20	2'-9"
H1	#5	Str.	4	46'-9"
H2	#5	Str.	4	5'-9"
H3	#5	Str.	1	45'-11"
L1	#5	Bent	3	2'-11"
L2	#5	Bent	3	3'-1"

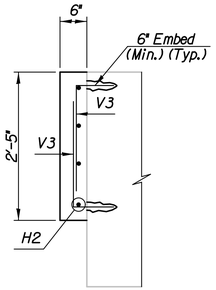
✳SUMMARY OF QUANTITIES		
ITEM	QUANTITY	UNIT
Concrete (Grade 4.0)(AE)	3.0	C.Y.
Reinforcing Steel (Grade 60)	603	LBS
Drill and Grout	112	EA
Flowable Fill	1.0	C.Y.
† Embedded Galvanized Anode	90	EA

✳ Quantities shown are for one abutment only (2 Required).
† Quantity based on center to center grid spacing of 18" max.

NOTE: Place embedded galvanized anodes per the manufacturers recomendation, or as directed by the Engineer. 25% of the required amount has been added for the attachment to existing steel at the direction of the Engineer.



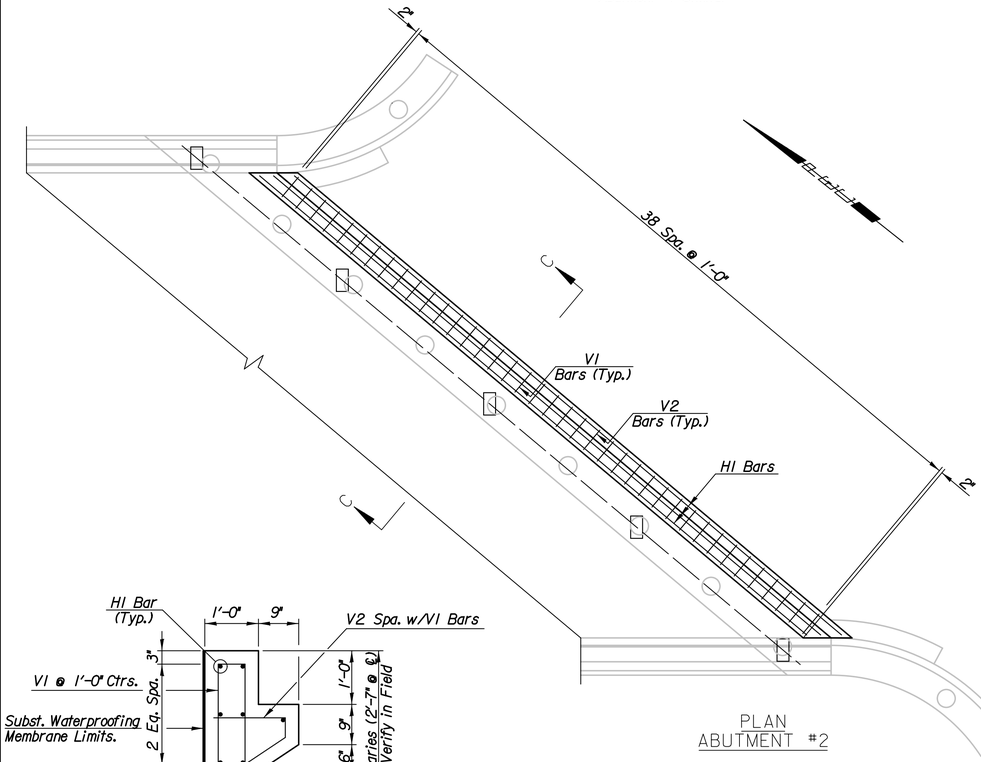
SECTION B-B



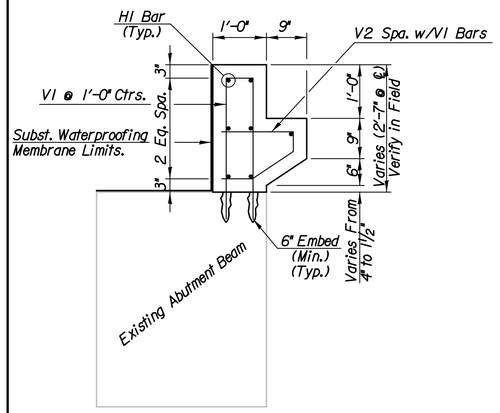
SECTION A-A

ABUTMENT BACKWALL

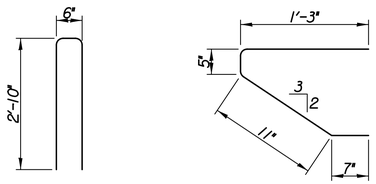
Abutment #2 Shown
Abutment #1 Similar



PLAN
ABUTMENT #2



SECTION C-C



V1 V2

BENDING DIAGRAM

BAR LIST				
MARK	SIZE	FORM	NUMBER	LENGTH
H1	#5	Str.	7	39'-11"
V1	#5	Bent	39	6'-2"
V2	#5	Bent	39	3'-2"

✳SUMMARY OF QUANTITIES		
ITEM	QUANTITY	UNIT
Concrete (Grade 4.0) (AE)	4.7	C.Y.
Reinforcing Steel (Grade 60) (Epoxy Coated)	672	LBS
Drill and Grout	78	EA

✳ Quantities shown are for one abutment only (2 Required).

No.	Revision	By	Date

SOUTHEAST BLVD AT WICHITA FLOOD CONTROL CANAL

ABUTMENT ENCASEMENT & BACKWALL DETAILS

JAMES L. ARMOUR, P.E.–CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-84923

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303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	RJM	Job No.	10313	Sht. 15 of 42
Drawn by	RJM	Date	June, 2011	

Plotted By: cp Date: 7/22/2011 10:43:27 AM
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