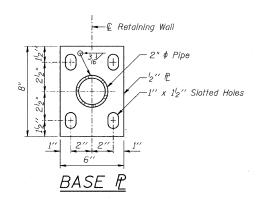
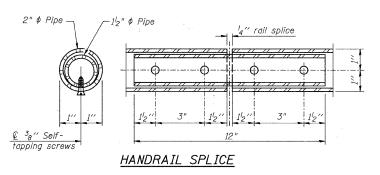
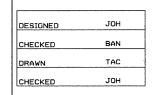


# ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting  $^58^{\prime\prime}$   $^6$  anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.







2791WALL1-03



DETAIL B

DETAIL A

- 2" ∮ Pipe

PEDESTRIAN RAILING

2" \$ Pipe (Typ.) -

Top of Retaining Wall

See Sh.# 1 of 3 for Spacing

€ Post (Typ.) \_\_\_

— Detail B

∕— Detail C

End of Railing

Detail A

5½" West End

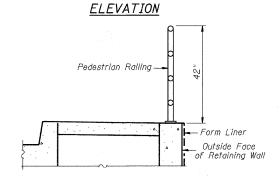
53<sub>8</sub>" East End

Inside Face of

Retainina Wall

₽ Base P and

2" Ø Post (Typ.)



### SECTION THRU SIDEWALK

#### NOTES

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing, Special.

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M270 Grade 36.

All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.

Vent holes for galvanized shall be placed in posts and rails at locations that will not allow the accumulation of moisture in the members.

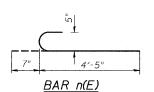
All posts, rails, base plates and all components shall be cleaned and powder coated (electrostatically applied), in accordance with Article 1006.29(b)(5) of the Standard Specifications except as noted in the Special Provisions.

## BILL OF MATERIAL

	Bar	No.	Size	Length	Shape					
	h(E)	56	#4	20'-3"						
	$h_1(E)$	12	#4	30'-11"						
	h2(E)	2	#4	31'-0"						
	n(E)	117	#5	5′-0"						
	t(E)	270	#4	4'-9"						
	(5)			5/ 0"						
	v(E) 84		#4	5′-0"						
	V <sub>1</sub> (E)	35	#4	4'-10" 6'-4"						
	V2(E)	39	#4	6'-4"						
	v3(E)	17	#4	0-2						
	w(E)	36	#4	27'-0"						
	$W_1(E)$	24	#4	17'-6"						
	WILL	<i>2</i> 7	77-4	11 0						
	Structu	re Exco	avation	Cu. Yd.	148.0					
		e Struc		Cu. Yd.	36.8					
	Reinfor	cement	Bars,	0	4,070					
	Ероху	Coated		Pound						
ŧ		ive Coat	4	Sq. Yd.	158					
	Steel R			Foot	106					
	(Specia			1 001	100					
	Geocomposite Wall			Sq. Yd.	45					
	Drain			Jy. 10.						
		Granula		Cu. Yd.	30					
		ment (S								
		iner Te	Sq. Ft.	296						
	Surface (Special) 39.77. 298									
	Apply Destactive Cost to Incide Face									

\* Apply Protective Coat to Inside Face, Outside Face and top of wall.

Reinforcement bars designated (E) shall be epoxy coated.



RETAINING WALL #1 DETAILS C.H. 35 (55TH STREET) SECTION 94-00302-00-FP DU PAGE COUNTY STA. 35+07.85 TO STA. 36+05.63

HUTCHISON ENGINEERING, INC.	SHEET NO. 3	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Jacksonville & Shorewood, Illinois		1504	94-00302-00-FP	DU PAGE	240	146
Date: 2011		CONTRACT NO. 63609			609	
		ILLINOIS FED. AID PROJECT				