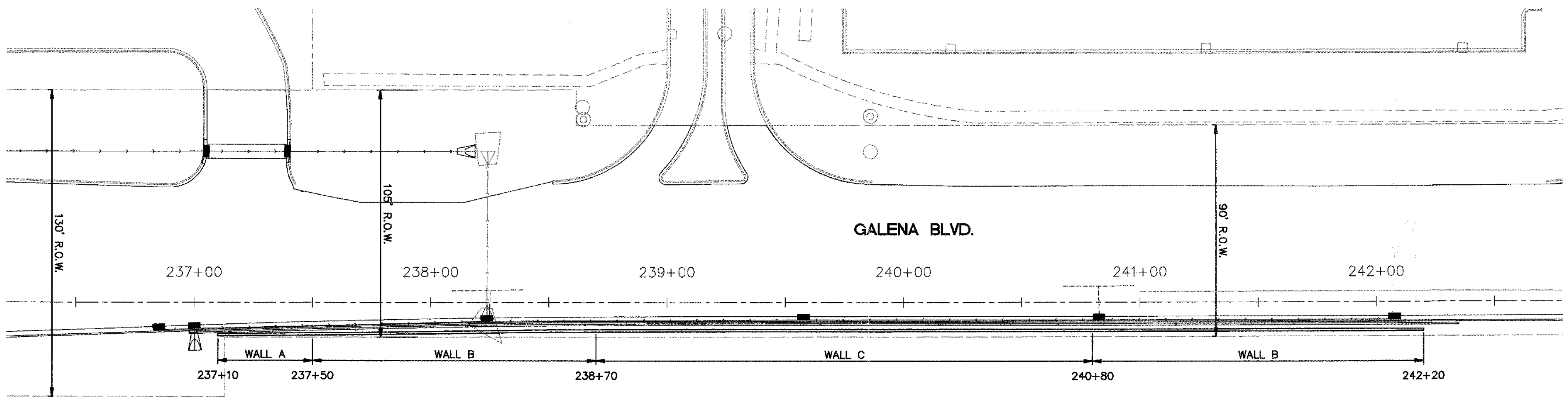
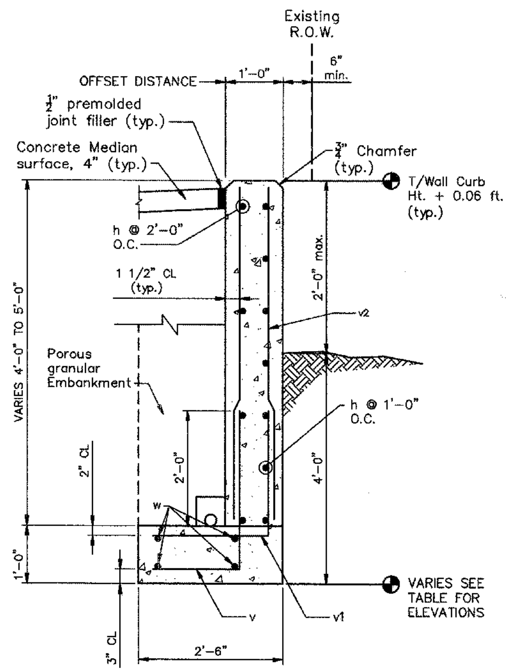
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	93

STA. 234+00 TO STA. 241+00

FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

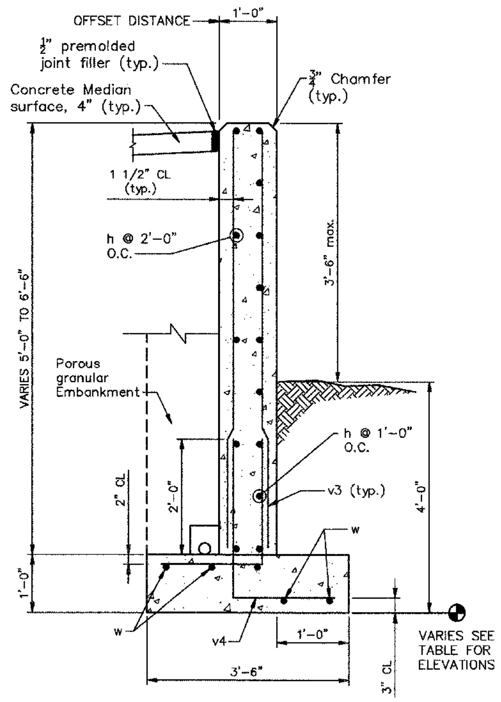
Engineering Enterprises, Inc.





WALL A

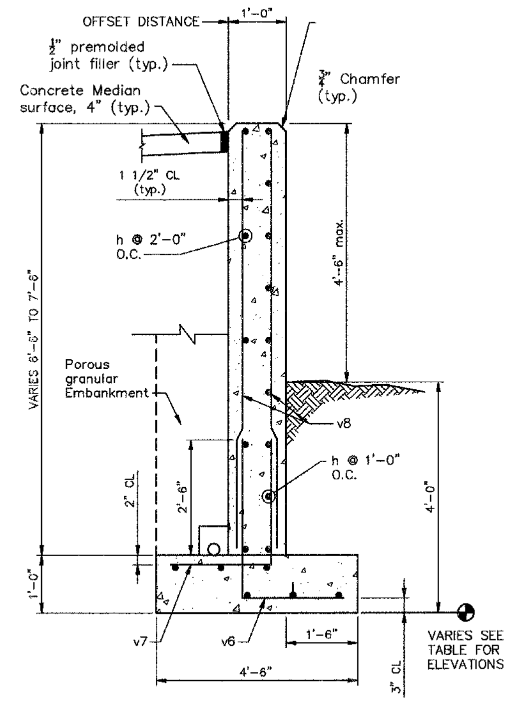
STA. 237+10 TO 237+50



WALL B

STA. 237+50 TO 238+70

STA. 240+80 TO 242+20



WALL C

STA. 238+70 TO 240+80

TABLE OF WALL STATION, OFFSETS, AND B/FTG ELEV.

station	offset distance (ft)	Joint	BTM of Footing
237+10	13.39	n/a	704'-9"
237+30	13.18	e	
237+50	12.96	e	704'-9"
237+80	12.65	c	
238+00	12.43	n/a	704'-9"
238+10	12.26	e	
238+40	11.84	e	
238+50	11.74	n/a	704'-0"
238+70	11.59	c	
239+00	11.5	e	703'-6"
239+30	11.5	e	
239+50	11.5	n/a	703'-6"
239+60	11.5	c	
239+90	11.5	e	
240+00	11.5	n/a	704'-3"
240+20	11.5	e	
240+50	11.5	c	705'-0"
240+80	11.5	e	
241+00	11.5	n/a	705'-9"
241+10	11.5	e	
241+40	11.5	c	
241+50	11.5	n/a	706'-9"
241+70	11.5	e	
242+00	11.5	e	706'-9"
242+20	11.5	n/a	706'-9"

e = expansion joint
c = construction joint

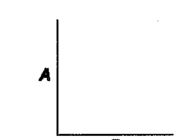
Note: Slope btm of footing uniformly between Stations and Elevations given.

0 30' 60'
SCALE FEET

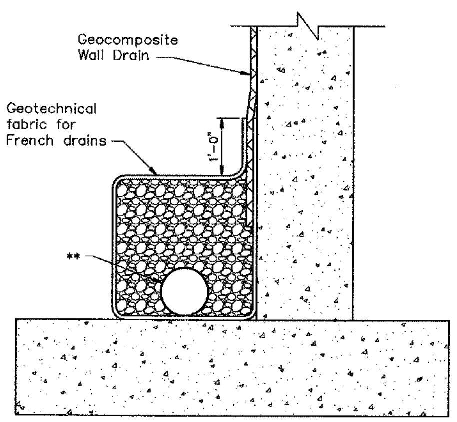
BILL OF MATERIAL

Bar	No.	Size	length	Shape
v	41	4	5.33	L
v1	41	4	5.17	L
v2	82	4	3.83	—
v3	261	4	5.17	L
v4	261	4	5.67	L
v5	522	4	5.33	—
v6	211	5	6.67	L
v7	211	5	6.17	L
v8	422	4	6.33	—
w	4	4	21.75	—
w1	4	4	19.67	—
w2	48	4	31.75	—
w3	23	4	29.67	—
w4	4	4	19.67	—
h	8	4	21.75	—
h1	8	4	19.67	—
h2	125	4	31.75	—
h3	58	4	29.67	—
h4	11	4	19.67	—
Porous Granular Embankment			CU. YD	186
Reinforcement Bars			LB	14670
Geocomposite Wall Drain			SQ. YD.	265
Pipe Underdrains 4"			FT	510
Concrete Structures			CU. YD	189

BAR	A	B
v	4'-0"	1'-4"
v1	3'-0"	2'-2"
v3	3'-0"	2'-2"
v4	4'-0"	1'-8"
v6	4'-6"	2'-2"
v7	3'-6"	2'-8"

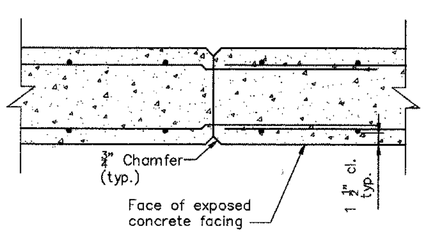


BAR v

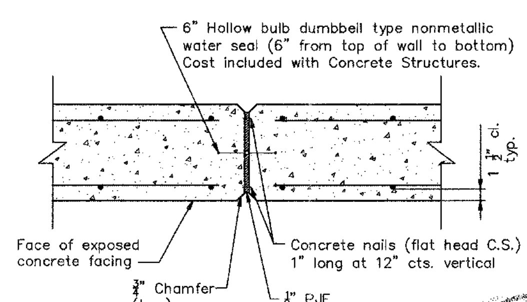


LONGITUDINAL DRAIN DETAIL

**4" Perforated pipe drain according to section 601 of the standard specifications, encased in 12" of CA-5 or CA-7 course aggregated. Cost included with Geocomposite Wall drain.



CONSTRUCTION JOINT



EXPANSION JOINT

See Table for location of joints.

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.

DATED AT SUGAR GROVE, ILLINOIS,

THIS 29th DAY OF May, 2008.

DAVID S. BRONARS, P.E.
ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 081-004796
EXPIRATION DATE: 11/30/08

General Notes:

Reinforcement shall conform to the requirements of ASTM A706 Gr 60 (IL Modified). See Special Provisions

All Concrete shall be Class SI with a minimum compressive strength of 3,500 psi at 14 days

Contractor shall verify location of all utilities prior to excavation and construction of retaining walls

Backfill shall be placed evenly on both sides of the wall

All foundations shall bear on native soil or properly compacted fill having a net minimum allowable soil bearing capacity of 1,800 psf

Construction Joints shall be at 30 ft or less as noted in the Table of Stations and Offsets

Expansion Joints shall be at 90 ft or less as noted in the Table of Stations and Offsets

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GALENA BOULEVARD RETAINING WALL PLAN AND DETAILS

SCALE: 1" = 30'   DRAWN BY: KKP
DATE: 05/27/08   CHECKED BY: DSB

PLAN: NOTE BOOK / NO. / SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME / BY / DATE

PROFILE: NOTE BOOK / NO. / SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHK'D / BY / DATE

Plotted: May 28, 2008 @ 7:53 AM By: Kris Pung - Tab: 93 WALL (22x34)