

GENERAL NOTES

1. Piles shall be set at the specified tip elevation. Excavation for placement of the precast wall panels may occur prior to or immediately following pile setting operations; however, excavations shall not remain open any longer than 5 days.
2. At the bridge locations, the Contractor shall coordinate the bridge work with retaining walls. The bridge work shall be completed prior to constructing the adjacent sections of retaining walls, unless otherwise stated.
3. All exposed edges shall have 3/4" Chamfer.
4. All dimensions and grades shown on the plans shall be field verified by the Contractor prior to construction. The Contractor shall notify the Engineer of any variations. Such variations shall not be cause for additional compensation for a change in scope of work.
5. All fill and backfill shall be compacted to 95% of standard proctor density.
6. The Contractor shall restore all areas damaged during construction to their original condition.
7. Precast Concrete Panels shall be fabricated and erected according to Section 504 of the Standard Specifications. The Precast Concrete Manufacturer shall furnish detailed shop drawings showing all dimensions, reinforcement, weights, and lifting locations. Precast Concrete Panels shall be embedded in soil 2'-0" minimum, except as noted.
8. Contraction Joints shall be placed in the Concrete Cap at the center of each pile except at the Expansion Joint location. Reinforcement shall be continuous through the joint.
9. Expansion Joints shall be placed in the Concrete Cap at locations indicated in the plans. Reinforcement shall not pass through the joints.
10. Reinforcement Bars designated (E) shall be Epoxy Coated.
11. Compaction of soil and granular material located within 2'-0" from the back of the retaining wall shall be compacted to the satisfaction of the Engineer using a suitable mechanical hand tamper.
12. The Contractor shall secure the Precast Concrete Panels in the position with approved temporary devices until backfill is placed.
13. The exposed surfaces of the Soldier Piles shall be cleaned and painted according to the Special Provisions for "Cleaning and Painting New Metal Structures." The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.

INDEX OF SHEETS

- W1 General Plan & Elevation
- W2 General Data
- W3 Retaining Wall Details
- W4 Boring Logs I
- W5 Boring Logs II

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Granular Backfill for Structures	Cu. Yd.	72
Structure Excavation	Cu. Yd.	9
Geocomposite Wall Drain	Sq. Yd.	37
Precast Concrete Panel	Sq. Ft.	976
Furnishing Soldier Piles (HP Section)	Foot	492
Driving Soldier Piles	Foot	492
Concrete Cap	Foot	162

SOLDIER PILE LOCATIONS & ELEVATIONS

Pile No.	Center Pile Station	Top of Pile Elevation
1	18+08.93	875.40
2	18+14.93	875.40
3	18+20.93	875.50
4	18+27.93	875.50
5	18+34.75	875.50
6	18+41.49	875.70
7	18+48.24	875.70
8	18+55.95	875.70
9	18+63.66	875.80
10	18+71.37	875.80
11	18+79.08	875.80
12	18+86.79	875.90
13	18+94.50	875.90
14	19+02.21	875.90
15	19+09.92	876.00
16	19+17.63	876.00
17	19+25.35	876.00
18	19+33.06	876.00
19	19+40.77	876.00
20	19+48.48	876.00
21	19+56.19	876.00
22	19+63.90	876.00

J:\2473\road\sheet\17-Structures\Wall\02-General Data.dgn
 6:57:37 PM
 10/18/2012



450 E Devon Ave, Suite 300
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DRAWN -	K. BOCHNOWSKI	REVISED -	
DESIGNED -	M. LANGE	REVISED -	
CHECKED -	G. HATLESTAD	REVISED -	
DATE -	10/22/12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
KREUTZER ROAD RETAINING WALL
 SHEET NO. W2 OF W5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-00031-00-PV	MCHENRY	167	108
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63743	