

INDEX OF WALL No. 22 SHEETS	
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Reviewed and Approved for Structural Adequacy Only Todd C. Ude 9/1/2010	
7282 Argus Drive (ar5) 396-2332	SHEET I 5 SHEI

EET NO. 1

WALL INFORMATION CHART

	Reference Point	Station to Back Face of C.I.P. Wall	Offset to Back Face of C.I.P Wall
	A	210+68.02	6.62' Rt.
	В	210+75.14	10.73' Rt.
	С	210+82.30	10.81' Rt.
•	D	210+89.50	6.87' Rt.

DESIGNED

CHECKED

ORAWN

CHECKED

ств

AAG

JAW

JWH

MINIMUM BAR LAP

No. 4 bars 1'-8"

No. 5 bars 2'-2" No. 6 bars 2'-7"

FORM LINER PATTERN Milestone, Inc. Pattern No. MS-1011 Weathered Limestone or Equal (See Special Provisions)

SHEET NO. I 5 SHEETS

TOTAL BILL OF MATERIALS

SP WALL No. 22 AND LOOKOUT No. 3 SLAB	•	
ITEM	UNITS	TOTAL
Structure Excavation	Cu. Yd.	10
Concrete Structures	Cu. Yd	23.0
Protective Coat	Sq. Yd.	25.0
Stud Shear Connectors	Each	96
Precast Concrete Lagging	Sq. Ft.	198
Furnishing Soldier Piles W14 X 109	Foot	114
Drilling and Setting Soldier Piles in Rock	Cu. Ft.	275
Drilling and Setting Soldier Piles in Soil	Cu. Ft.	72
Reinforcement Bars (Epoxy Coated)	Pound	3,350
Geocomposite Wall Drain	Sq. Yd.	12

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Form Liner Textured Surface	Sq. Ft.	225
Rock Excavation for Structures, Special	Cu. Yd.	12
Rubbed Finish	Sq. Ft.	28
Staining Concrete Structures	Sq. Yd.	25
Anti–Grafitti Coating	Sq. Ft.	225

- 10. The approximate embedment depth for the soldier pile tip is as provided on the plans and considers a penetration into competent rock of 5.5 feet (minimum) based on the soil boring information and uniaxial compressive rock strength value of 4,000 PSI (minimum) as provided by Terracon Consultants, Inc. The actual top of rock elevation, which qualifies as competent rock meeting the minimum requirements of the design, shall be determined and field verified by the Geotechnical Engineer during the drilling operation at each soldier pile location. Final pile tip elevations shall be a minimum of 5.5 feet below actual top of competent rock elevations.
- All exposed edges shall have a ¾" x 45° chamfer, except as shown otherwise. Chamfers on vertical edges shall be continued a minimum of one foot below finished ground level.
- 12. Exposed surfaces of concrete shall be given a "rubbed finish" except where form liner is specified.
- 13. Contractor shall be responsible for dewatering in accordance with the erosion control plan at no additional cost to the contract.
- 14. Backfill behind wall shall be placed to the lines and grades as shown on the plans. The Contractor shall take care to ensure the use of suitable material and proper compaction of all fill areas. Compaction shall be performed with a loose thickness of no more than 8" and each lift shall be compacted to a density equal to or greater than 95% standard proctor maximum dry density (ASTM D-698) taking care not to over compact the soil directly behind the wall. Moisture shall be within -2 to +3 percent of optimum. No heavy equipment shall be allowed within 6 feet of the wall during backfilling and compaction. Compaction shall be by hand method, "walk behind", equipment in the areas within 6 feet of the wall.
- 15. Backfill of wall behind precast panels must be completed before placement of cast-in-place concrete face. Refer to Pecast Panel Details sheet for additional notes.
- 16. Temporary Concrete will be removed in the future by "others". Install a bond breaker to allow removal without damaging the structural slab. Temporary Concrete will be paid as PCC Sidewalk, 6" and shall include payment for the bond breaker.

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				<u>57</u>	ATION 21	0+89.50	
	F.A. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
		06-005	43-00-BT		WINNEBAGO	148	90
			CONTRACT N	D.	85521		
FED. ROAD DIST. NO. ILLINOIS FI			FE	D. AID PROJE	СТ		