

DRAWN JAW CHECKED

PASSED

(See Special Provisions)

ineering Associates, Inc.

5 SHEETS

67.

TOTAL BILL OF MATERIALS

SP WALL NO. 20 AND LOOKOUT NO. 2 SL	AB	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
ITEM	UNITS	TOTAL
Structure Excavation	Cu. Yd.	10
Concrete Structures	Cu. Yd	31.1
Protective Coat	Sq. Yd.	49.8
Stud Shear Connectors	Each	210
Precast Concrete Lagging	Sq. Ft.	340
Furnishing Soldier Piles (W Section)	Foot	194
Drilling and Setting Soldier Piles in Rock	Cu. Ft.	435
Drilling and Setting Soldier Piles in Soil	Cu. Ft.	396
Reinforcement Bars (Epoxy Coated)	Pound	4,303
Geocomposite Wall Drain	Sq. Yd.	17.5
Form Liner Textured Surface	Sq. Ft.	410
Rock Excavation for Structures, Special	Cu. Yd.	1.2
Rubbed Finish	Sq. Ft.	86
Anti–Grafitti Coating	Sq. Ft.	496
Staining Concrete Structures	Sq. Yd.	46

- 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.
- 11. All exposed edges shall have a $\frac{34}{7}$ 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.
- Contractor shall be responsible for dewatering in accordance with 13. the erosion control plan at no additional cost to the contract.
- 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 face of the wall.
- Backfill of wall behind precast panels must be completed before placement of cast-in-place concrete face. Refer to Precast Panel Details Sheet for additional notes.
- Temporary Concrete will be removed in the future by "others". 16. 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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CENTREL CENSED STRUCTURAL COFINITION OF NUMB COFINITION COFI	E A SECTI	ERAL PLAN SP WALL EDESTRIAN I LONG THE R WINNEBAGO ON NO. 06– STATION 208- STATION 20	<u>No. 20</u> RIVERWALK OCK RIVER COUNTY 00543-00- +05.12 TO	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00543-00-BT	WINNEBAGO	148	80
		CONTRACT NO. 85521		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				