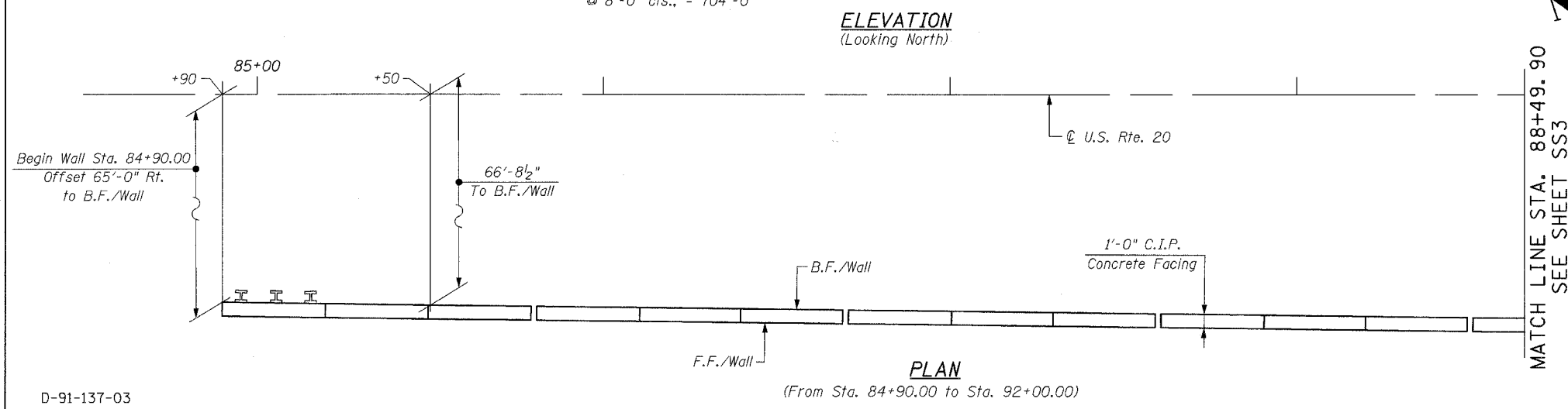


- GENERAL NOTES:**
- The Contractor is responsible for the Design and Performance of the Lagging using no less than a 3 in. nominal rough-sawn thickness and Timber with a minimum allowable bending stress of 1000 psi.
 - Pipe Underdrain Outlet Pipes shall drain into Concrete Headwalls. See Article 601.05 of The Standard Specifications and see Highway Standard 601101.
 - Reinforcement Bars shall conform to the requirements of ASTM A706, GR. 60 (IL. Modified). See Special Provisions.
 - All Exposed Concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
 - Reinforcement Bars designated (E) shall be Epoxy Coated.

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	215.2
Reinforcement Bars, Epoxy Coated	Lb.	44,230
Pipe Underdrains for Structures 4"	Foot	718
Furnishing Soldier Piles (HP Section)	Foot	1,976
Driving Soldier Piles	Foot	1,976
Stud Shear Connectors	Each	2,418
Untreated Timber Lagging	Sq. Ft.	4,386
Geocomposite Wall Drain	Sq. Yd.	366
Structure Excavation	Cu. Yd.	225



- LEGEND:**
- B.F. = Back Face
 F.F. = Front Face
 E.F. = Each Face
 [1] = Panel Numbers
 (1) = Pile Numbers
- MIN. LAP:**
 #6 Bars = 2'-7"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN & ELEVATION-I
 U.S. RTE. 20
 AT BLUFF CITY / SHALES PARKWAY
 SOUTH SOLDIER PILE RETAINING WALL
 F.A.P. 345 SECTION: 8R-1-N-1
 COOK COUNTY
 STRUCTURE NO. 016-W968

SCALE: NONE
 DATE: FEBRUARY, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./J.C.N.

CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS