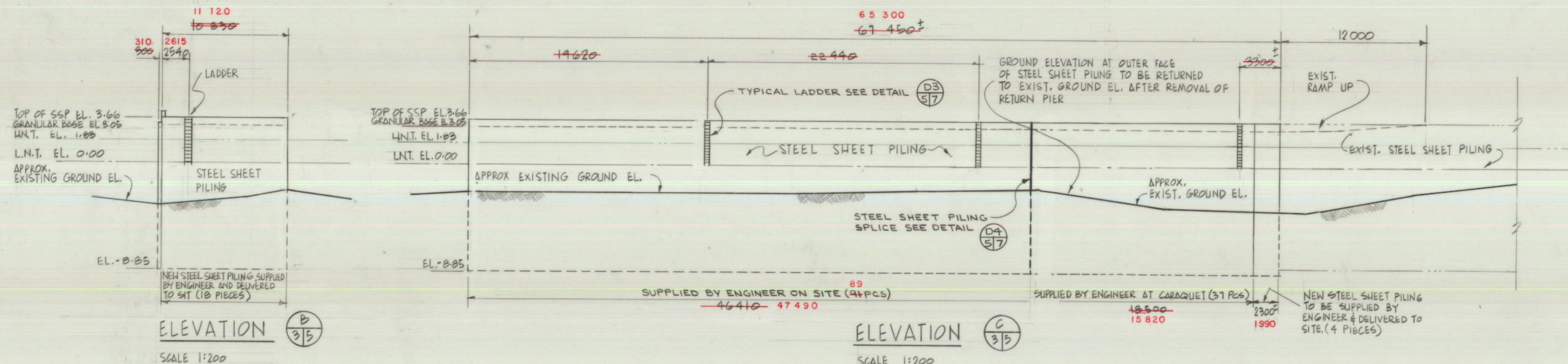
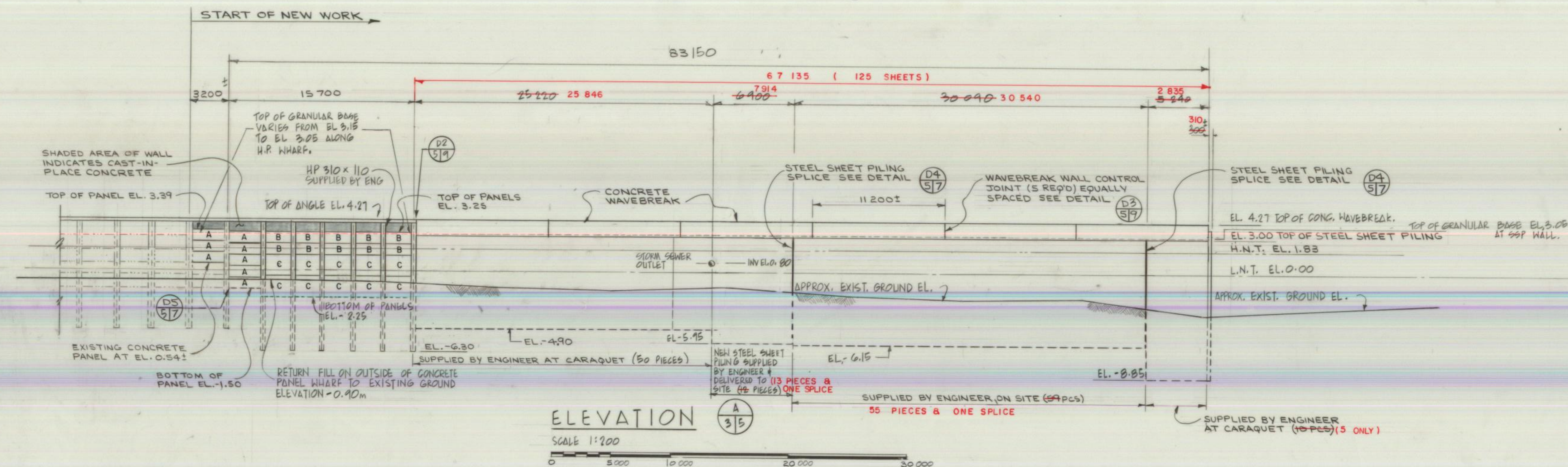


SHIPPAGAN GULLY

5/5/0-05



## NOTES

### 1.0 Materials Supplied by Engineer On Site

#### 1.1 Concrete Wall Panels

Type A - 950 mm x 3045 mm x 225 mm..... 8 pieces  
Type B - 960 mm x 2440 mm x 260 mm.....10 pieces  
Type C - 1790 mm x 2430 mm x 260 mm.....10 pieces

#### 1.2 Steel H-Piles

HP 310 x 110 - 10700 mm length.....6 pieces

#### 1.3 Steel Channels

C 310 x 45 - 18300 mm length.....2 pieces  
C 310 x 45 - 16800 mm length.....1 pieces  
C 310 x 45 - 15200 mm length.....2 pieces  
C 310 x 45 - 11700 mm length.....1 pieces

#### 1.4 Steel Angles

100 x 100 x 13 - 6100 mm length.....11 pieces  
100 x 100 x 13 - 12200 mm length.....7 pieces  
125 x 75 x 13 - 4000 mm length.....6 pieces

#### 1.5 Galvanized Steel Bent Plate for Ladders at Concrete Wall Panels

10 x 200 - 3660 mm length.....10 pieces

### 1.6 Galvanized Steel Bar for Ladders at Concrete Wall Panels

Bar 25 # - 457 mm length.....70 pieces

### 1.7 Steel Bent Bar for Holdfasts at Ladders for Timber Wheelguard on Concrete Wall Panels

Bar 19 # - Bent as Required.....7 pieces

### 1.8 Steel Sheet Piling

- Flange Thickness = 9.5 mm +  
- Web Thickness = 9.5 mm +  
- 10100 mm x length.....159 pieces  
- 12870 mm x length.....92 pieces

### 2.0 Materials Supplied by Engineer Located at Caraque Public Wharf

#### 2.1 Steel Sheet Piling

- Flange Thickness = 13.0 mm +  
- Web Thickness = 10.0 mm +  
- 20820 mm x length.....50 pcs. (to be cut and used in lengths of 12710 mm and 8100 mm)

### 3.0 New Steel Sheet Piling Supplied by Engineer and Delivered to Site

- to CSA G40.21-M1978, Grade 300 W  
- minimum flange thickness = 13.0 mm  
- minimum web thickness = 10.0 mm  
- 13000 mm x length..... 24 pieces (18 pieces to be installed on 10,830 mm East End Face. 4 pieces to be installed on the Westward end of the 67,450 mm North East Face. 2 pieces are spares, to be installed as directed, if required.)  
- 9150 mm x length..... 14 pieces (12 pieces to be installed on 6,900 mm section on 83,150 mm south face. 2 pieces are spares, to be installed as directed, if required).

### 4.0 Concrete Compressive Strength

- 30 MPa minimum at 28 days

### 5.0 Concrete Reinforcement

- to CSA G30.12-M1977, Grade 400

### 6.0 Miscellaneous Steel

- to CSA G40.21-M1978, Grade 300 W

### 7.0 Bolts, Nuts, & Washers

- to ASTM A307-83a

AS BUILT INFO	MAR 1988
revisions	date

A detail no. no. du détail	A
B location drawing no. sur dessin no.	B
C drawing no. dessin no.	C

project

RECONSTRUCTION OF  
WESTERN BREAKWATER  
SHIPPAGAN GULLY  
GLoucester COUNTY N.B.

ELEVATIONS OF NEW WORK.

designed *for M. Bouchard P. Eng* conçu

date JULY 87

drawn G. HENDER JULY 24, 1987 dessiné

date

reviewed *Francis Hache* examiné

date July 24, 1987

approved

date

Tender *M. A. Humeau* Soumission

PWC Project Manager Administrateur de projets TPC

project number 657315 no. du projet

drawing no. 5 of 9 no. du dessin