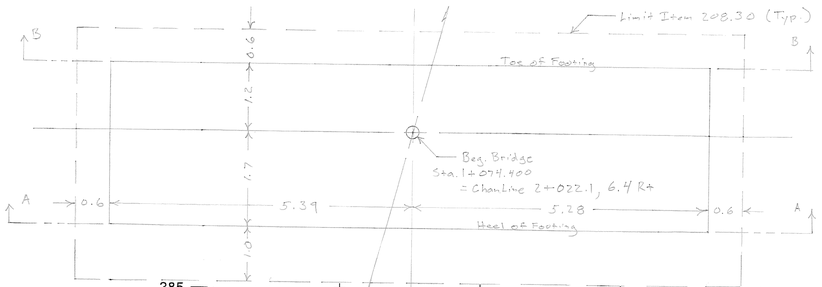
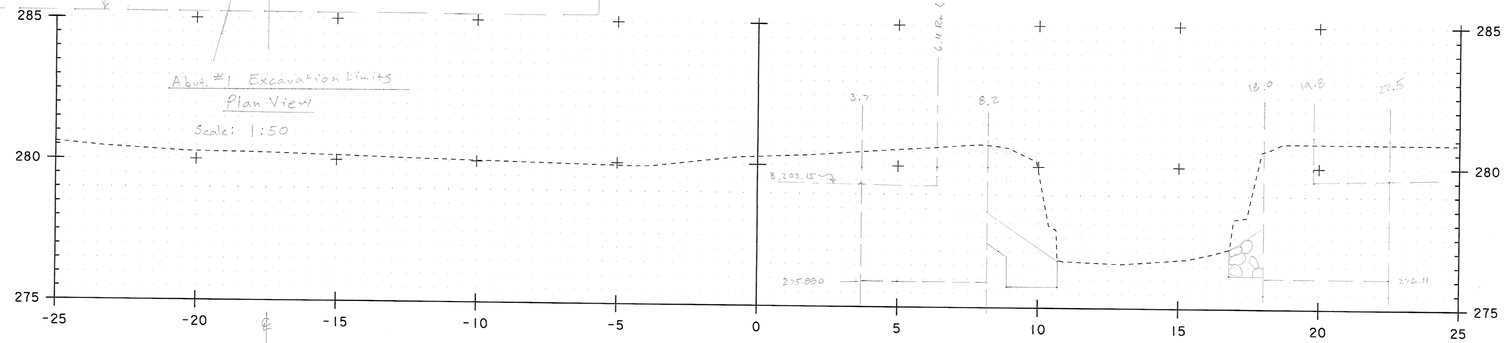


Abut. #1 Excavation Limits
Plan View
Scale: 1:50



2+018.90

A-2:

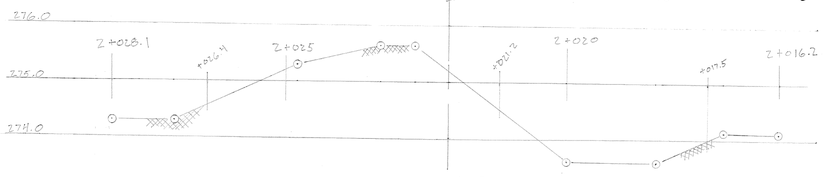
Item 208.30, $A = \frac{1}{2}\left[(4.5+4.8)(0.7)\right] + 4.8(1.1) + 3.45(2.7)$

$A = 17.85\ M^2$ ✓ CDC 8-6-08 SWS 12-2-08

Item 203.27,

$A = \frac{1}{2}\left[(0.9+2.0)(0.2) + (7.0+2.1)(0.9) + (3.1+4.5)(0.6)\right]$

$A = 3.09\ M^2$ ✓ CDC 8-20-08 JWS 12-1-08



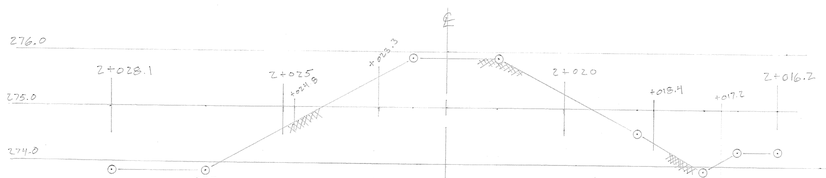
Profile B-B
(7.6 Rt of Channel Line)
Scale- 1:50

A-1: Item 208.30, $A = \frac{1}{2}(3.4+3.45)(7.7) + 4.85(1.8)$

$A = 17.98\ M^2$ ✓ CDC 7-7-08 SWS 12-2-08

Item 203.27, $A = \frac{1}{2}\left\{(3.5+3.8)(0.7) + (4.9+4.5)(1.0) + (11.9+8.2)(0.5) + (8.2+2.0)(0.3)\right\}$

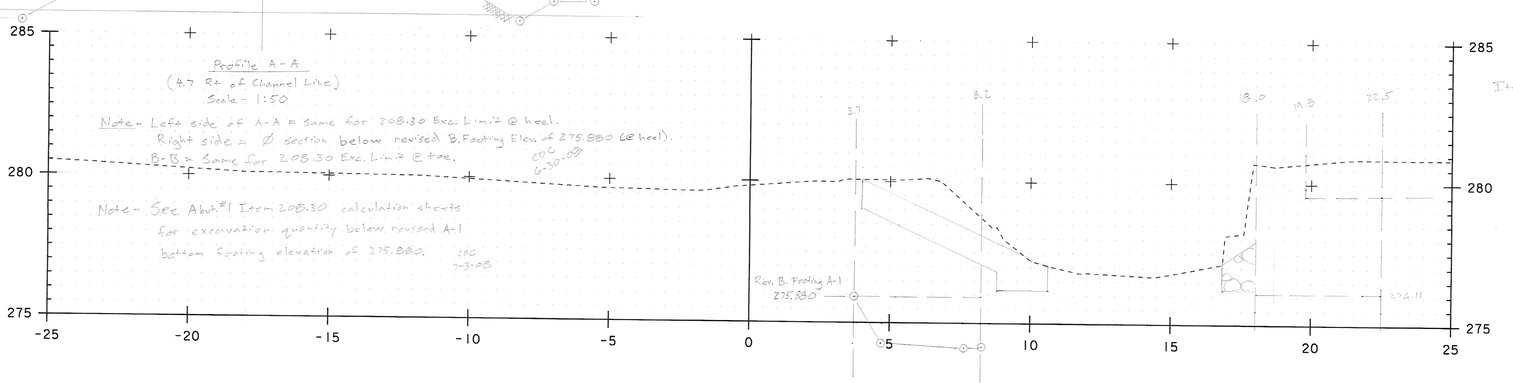
$A = 9.66\ M^2$ ✓ CDC 8-20-08 SWS 12-1-08



Profile A-A
(4.7 Rt of Channel Line)
Scale- 1:50

Note- Left side of A-A = same for 208.30 Exc. Limit @ heel.
Right side = Ø section below revised B. Footing Elev. of 275.880 (@ heel).
B-B = Same for 208.30 Exc. Limit @ toe. CDC 6-30-08

Note- See Abut #1 Item 208.30 calculation sheets for excavation quantity below revised A-1 bottom footing elevation of 275.880. CDC 7-3-08



2+016.20

Beg Item 208.30, Abut #1 (Bwall)

A-1: Item 208.30, $A = 3.0(4.2) + \frac{1}{2}(4.2+2.8)(1.5)$

$A = 17.85\ M^2$ ✓ CDC 7-3-08 SWS 12-2-08

Item 203.27,

(BK) $A = \frac{1}{2}\left\{(1.0+2.3)(2.7) + (2.3+1.5)(2.0) + (1.5+1.6)(0.2) + (2.2+1.0)(1.2) + (1.0+0.9)(1.6)\right\}$

$A = 11.06\ M^2$ ✓ CDC 8-20-08 SWS 12-1-08

(AH) $A = 11.06 - \frac{1}{2}\left\{(1.0+2.3)(2.7) + (2.3+1.6)(1.2)\right\} = 3.49\ M^2$ ✓ CDC 8-20-08 SWS 12-1-08

A-2:

Item 208.30, $A = \frac{1}{2}\left[(4.2+4.5)(0.65) + (4.3+4.65)(1.15)\right] + 3.45(2.7)$

$A = 17.53\ M^2$ ✓ CDC 8-6-08 SWS 12-2-08

Item 203.27,

$A =$ Same as 2+018.90 $= 3.09\ M^2$ ✓ CDC 8-20-08 SWS 12-1-08

STA. 2+008 TO STA. 2+019

0 2 4 6 8 10
SCALE 1:100

PROJECT: CABOT	PROJECT NO.: BRO 1446 (27)
DESIGN FILE NAME:	
IPARM FILE NAME:	
SURVEYED BY: R. GILMAN	PLOT DATE: 10-JUN-2008
SQUAD LEADER: C. P. WILLIAMS	SURVEY DATE: 5/98
CHANNEL CROSS SECTIONS	DRAWN BY: M.FESSEL
	SHEET: 3 OF 7