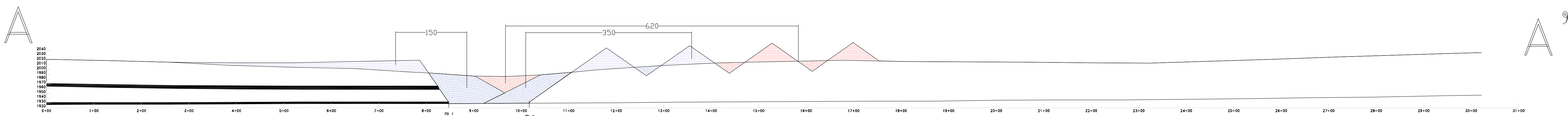
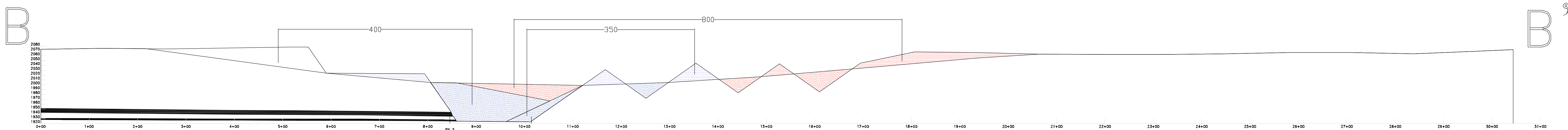


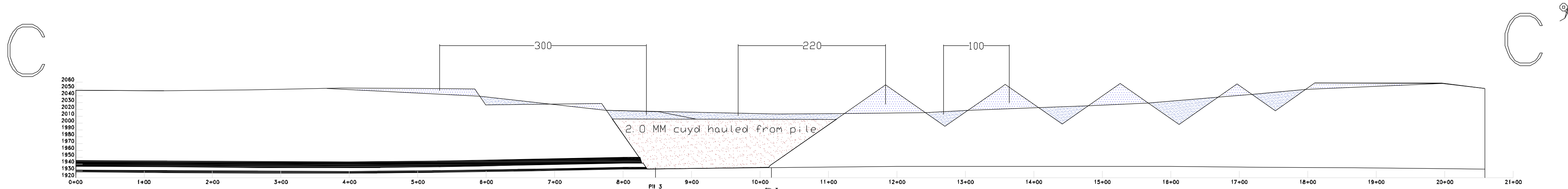
Pit Width	170.0 feet
OB Thickness	54.4 feet
Hagel Seam Thickness	7.0 feet
IB Thickness	25.9 feet
B Seam Thickness	4.0 feet



Pit Width	170.0 feet
PB Thickness	56.6 feet
OB Thickness	78.8 feet
Hagel Seam Thickness	8.8 feet
IB Thickness	7.2 feet
B Seam Thickness	3.1 feet



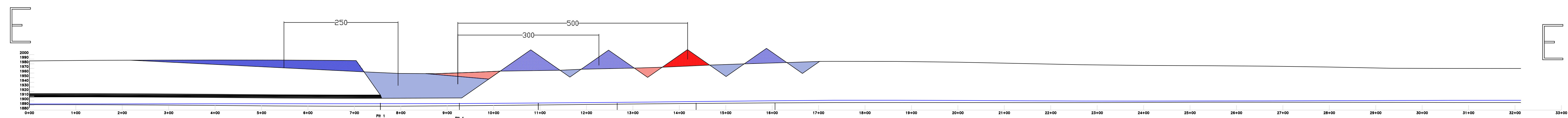
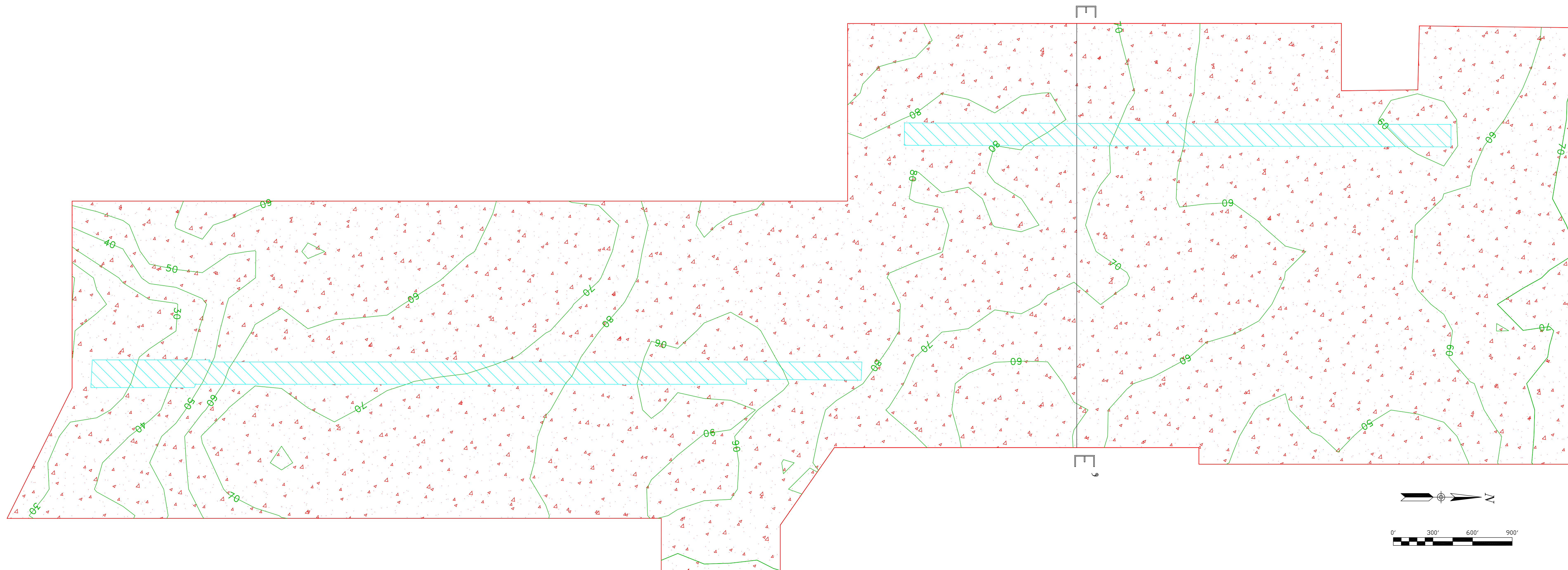
Pit Width	170.0 feet
PB Thickness	35.3 feet
OB Thickness	70.7 feet
Hagel Seam Thickness	8.5 feet
IB Thickness	6.0 feet
B Seam Thickness	2.6 feet



DOZER PUSH
SCRAPER HAUL
DOZER FILL
SCRAPER FILL



8	J	R/E	R/E	4/07/21	 NORTH AMERICAN MINING COMPANY 2863 1st St. SW Underwood, ND 58570-3877 (701) 444-9751 - Fax (701) 290-3487
9	J	R/E	M/RB	8/12/10	
5	J	R/E	M/RB	1/20/09	
5	J	R/E	M/RB	8/26/08	
5	J	R/E	M/RB	1/21/06	
4	J	R/E	M/RB	1/17/05	EAST PIT WORST CASE PIT CROSS-SECTIONS SECTION 4.2.4a
3	J	R/E	M/RB	2/25/04	
2	M/RB	M/RB		4/08/02	
1	J	R/E	M/RB	11/23/01	
0	J	J	J	J	
NO. BY APP'D DATE					SCALE: AS SHOWN (Paper size 36"x42") PROJECT: NMC 8405, 8705 and 9305 Rev. 20 0=(Drawings PERMIT/Consolidated) BOND(4.2.4-a=dog
REVISIONS					



RIVERDALE MINE AREA CROSS-SECTION

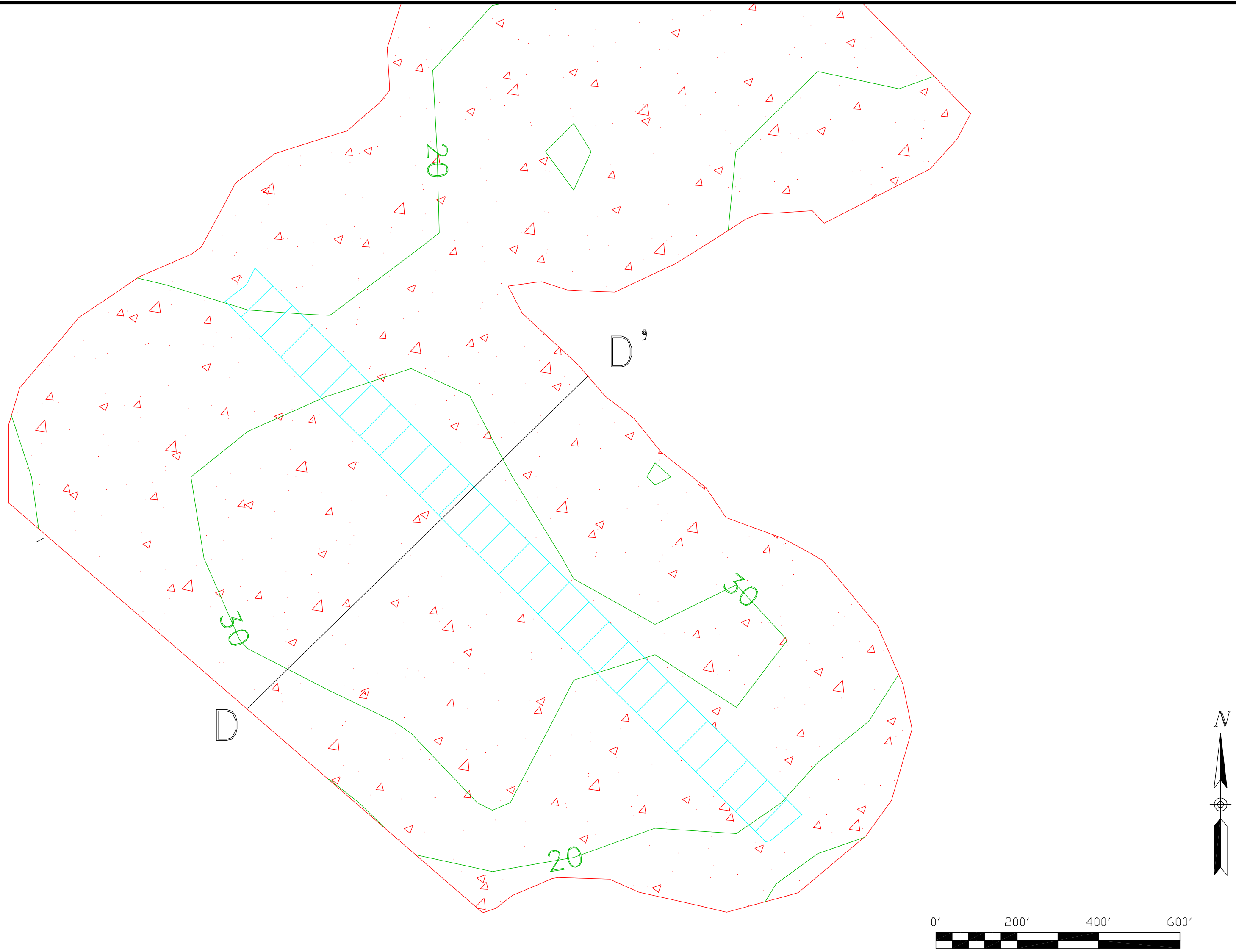
8750 DRAGLINE PITS

Pit Width	170.0 feet
OB Thickness	73.0 feet
Hagel Seam Thickness	6.8 feet
IB Thickness	2.0 feet
B Seam Thickness	3.5 feet

LEGEND

 DOZER PUSH
 SCRAPER HAUL
 DOZER FILL
 SCRAPER FILL

[illegible]



LEGEND

DOZER PUSH

SCRAPER HAUL

DOZER FILL

SCRAPER FILL

195M DRAGLINE PITS

Pit Width

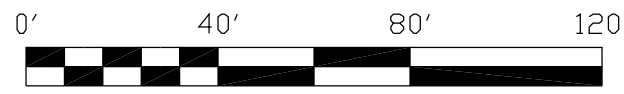
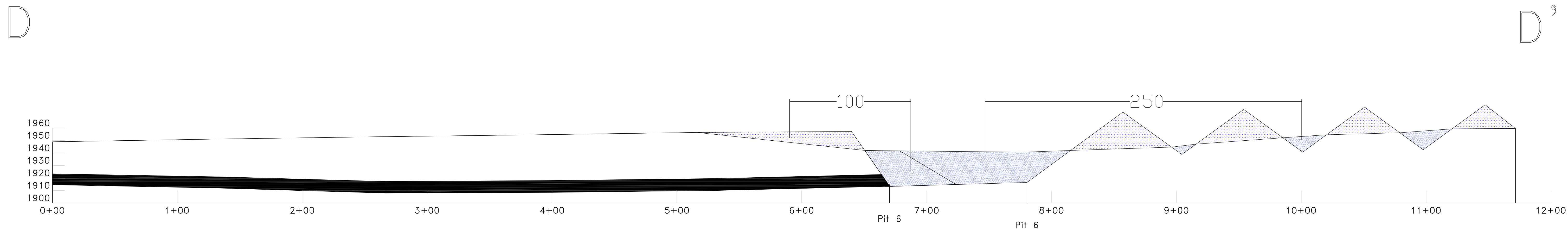
OB Thickness

Hagel Seam Thickness

110.0 feet

36.8 feet

9.6 feet



9	JJE	RES	4/07/11
8	JJE	MRB	8/12/10
7	JJE	MRB	1/20/09
6	JJE	MRB	8/26/08
5	MRB	MRB	11/21/06
4	JJE	MRB	11/7/05
3	JJE	MRB	2/25/04
2	MRB	MRB	4/08/02
1	MRB	MRB	11/5/01
0	JHMB	JHMB	4/12/96
NO.	BY	APP'D	DATE
REVISIONS			

NORTHAMERICAN

COAL

FALKIRK MINE

THE FALKIRK MINING COMPANY

2801 1st St. SW

Underwood, ND 58576-1087

(701) 442-9751 - Fax (701) 258-2473

RIVERDALE SOUTH PIT

WORST CASE PIT CROSS-SECTIONS

SECTION 4.2.4a

SCALE: AS SHOWN (Paper size 24"x36")

PROJECT: NAFK 8405, 8705 and 9503 REV. 20

O:\Drawings\PERMIT\CONSOLIDATED BOND\4-2-4a.dwg

LEGEND

DOZER PUSH

SCRAPER HAUL

DOZER FILL

SCRAPER FILL

TRUCK/SHOVEL PITS

Pit Width

450.0 feet

OB Thickness

78.0 feet

Tavis Seam Thickness

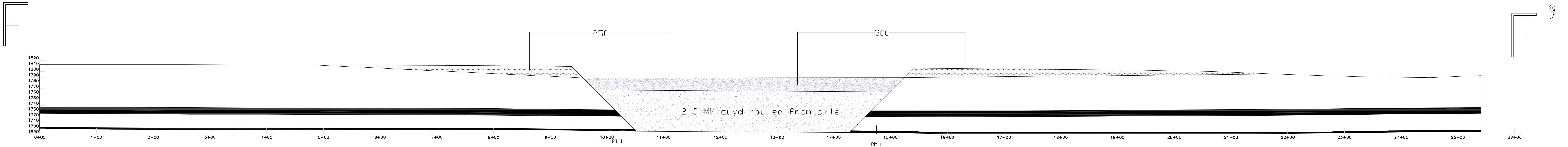
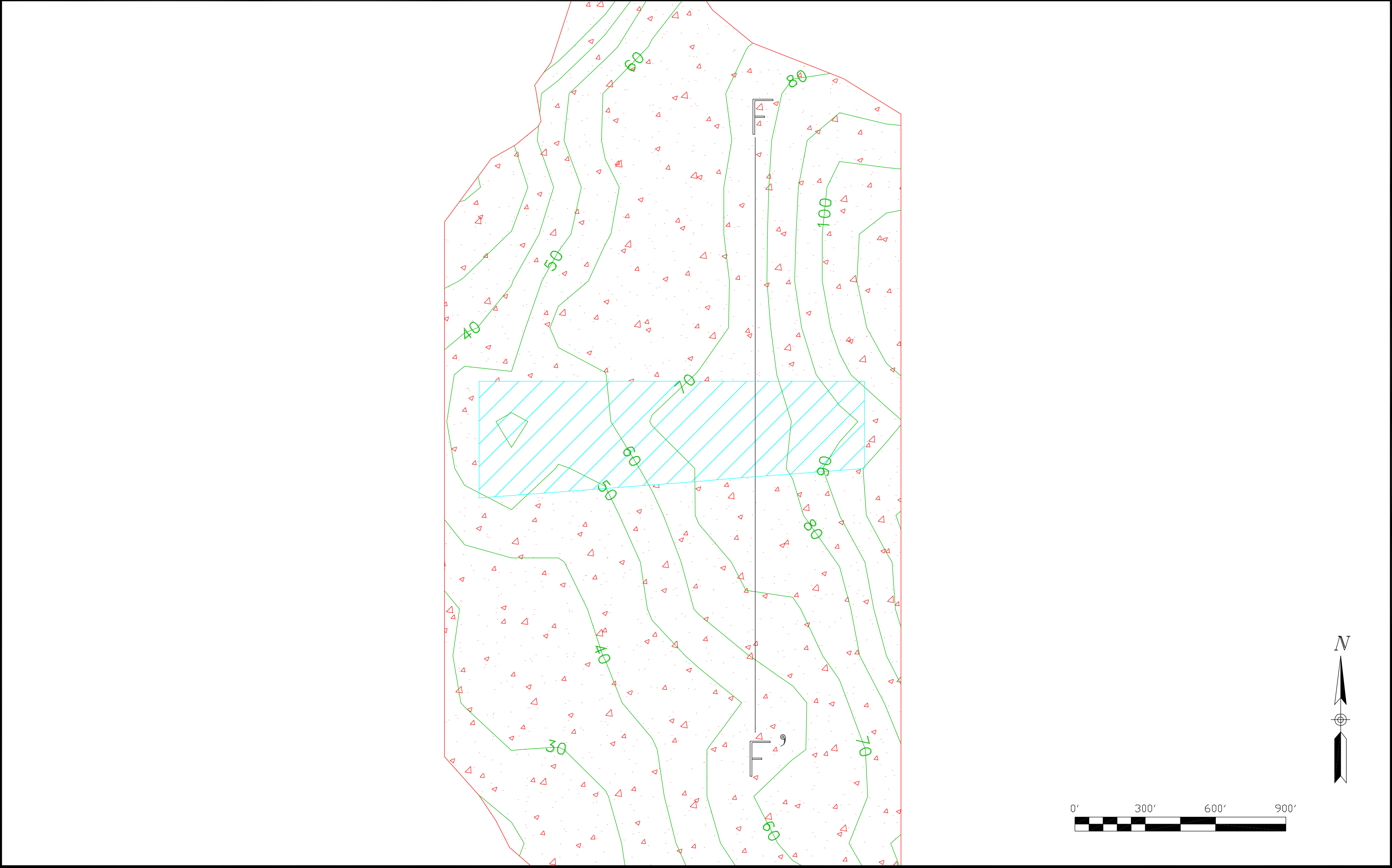
11.0 feet

IB Thickness

28.8 feet

CLC Seam Thickness

2.7 feet



9	JJE	RES	4/07/11	
8	JJE	MRB	8/12/10	
7	JJE	MRB	1/20/09	
6	JJE	MRB	8/26/08	
5	MRB	MRB	11/21/05	
4	JJE	MRB	11/7/05	
3	JJE	MRB	2/25/04	
2	MRB	MRB	4/08/02	
1	MRB	MRB	11/5/01	
0	JHMB	JHMB	4/12/96	
NO.		BY	APP'D	DATE
REVISIONS				

NORTH AMERICAN COAL CORPORATION
FALKIRK MINE

THE FALKIRK MINING COMPANY
2801 1st St. SW
Underwood, ND 58576-1087
(701) 442-5751 • Fax (701) 250-2473

RIVERDALE PITS (TAVIS)

WORST CASE PIT CROSS-SECTIONS

SECTION 4.2.4a

SCALE: AS SHOWN (Paper size 24"x36")

PROJECT: NAFK 8405, 8705 and 9503 REV. 20

0:\Drawings\PERMIT\CONSOLIDATED BOND\4-2-4a.dwg