

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**LEGEND**



F.F. - denotes Front Face  
B.F. - denotes Back Face  
E.F. - denotes Each Face

**NOTES**

1. For pile details, see sheet 12.

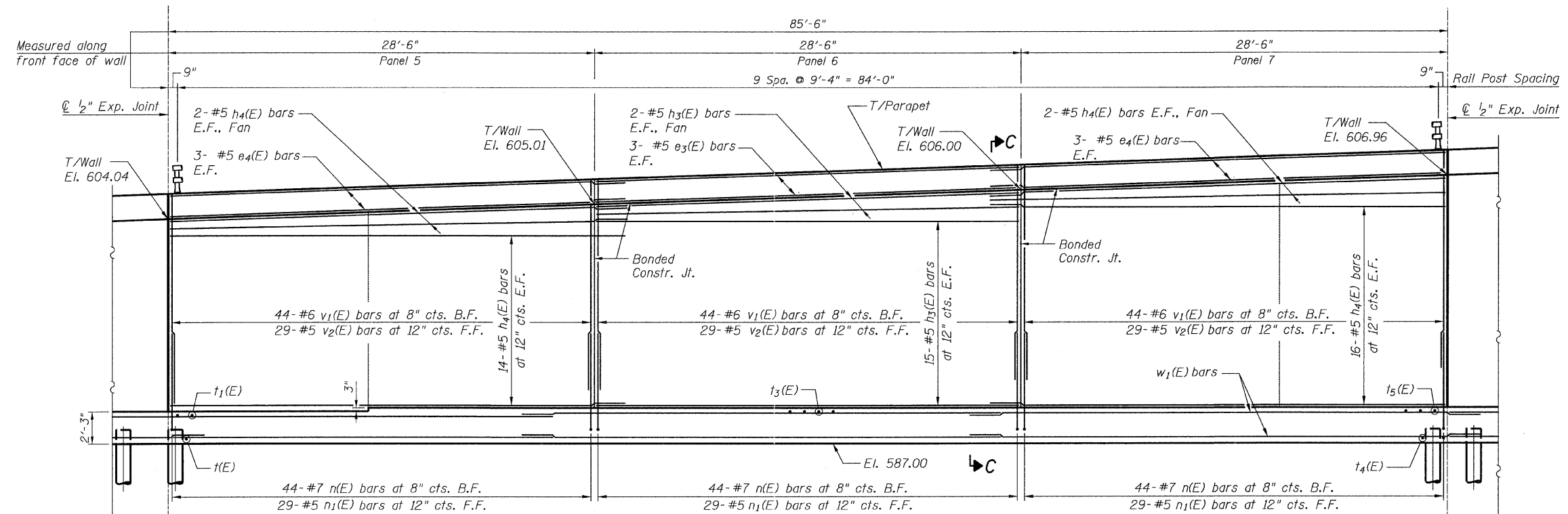
**PILE DATA TABLE**

Type: 12"  $\phi$  x 0.25" Wall  
Nominal Required Bearing: 270 kips  
Allowable Resistance Available: 90 kips  
Estimated Length: 34 ft  
No. Production Piles: 25

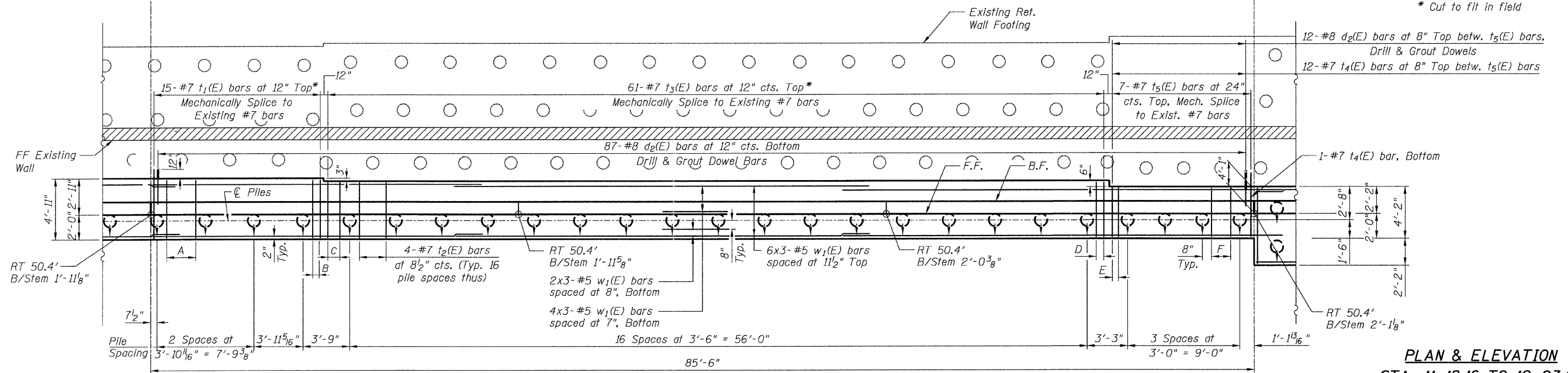
-  Proposed Pile
-  Existing Pile

- A: 4-#7 t(E) bars at 10" cts., Bottom, (Typ. 3 pile spaces thus)
- B: 2-#7 t(E) bars at 9" cts., Bottom
- C: 2-#7 t<sub>2</sub>(E) bars at 11" cts., Bottom
- D: 2-#7 t<sub>2</sub>(E) bars at 7" cts., Bottom
- E: 2-#7 t<sub>4</sub>(E) bars at 7" cts., Bottom
- F: 3-#7 t<sub>4</sub>(E) bars at 10" cts., Bottom, (Typ. 3 pile spaces thus)

\* Cut to fit in field



**ELEVATION**



**FOOTING PLAN**

**PLAN & ELEVATION  
STA. 11+18.16 TO 12+03.66  
STRUCTURE NO. 016-W821**

**TYLIN** INTERNATIONAL

DESIGNED -	MMB	REVISIONS	
CHECKED -	AMD,	NAME	DATE
DRAWN -	MMB		
CHECKED -	AMD,		
DATE -	03/25/2011		

SHEET NO. 5

16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	0711.2R & 1011.1BR	COOK	741	681
CONTRACT NO. 60999				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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p:\01345\structure\Retaining Wall\ret5balelev2.dwg

5/10/2011