

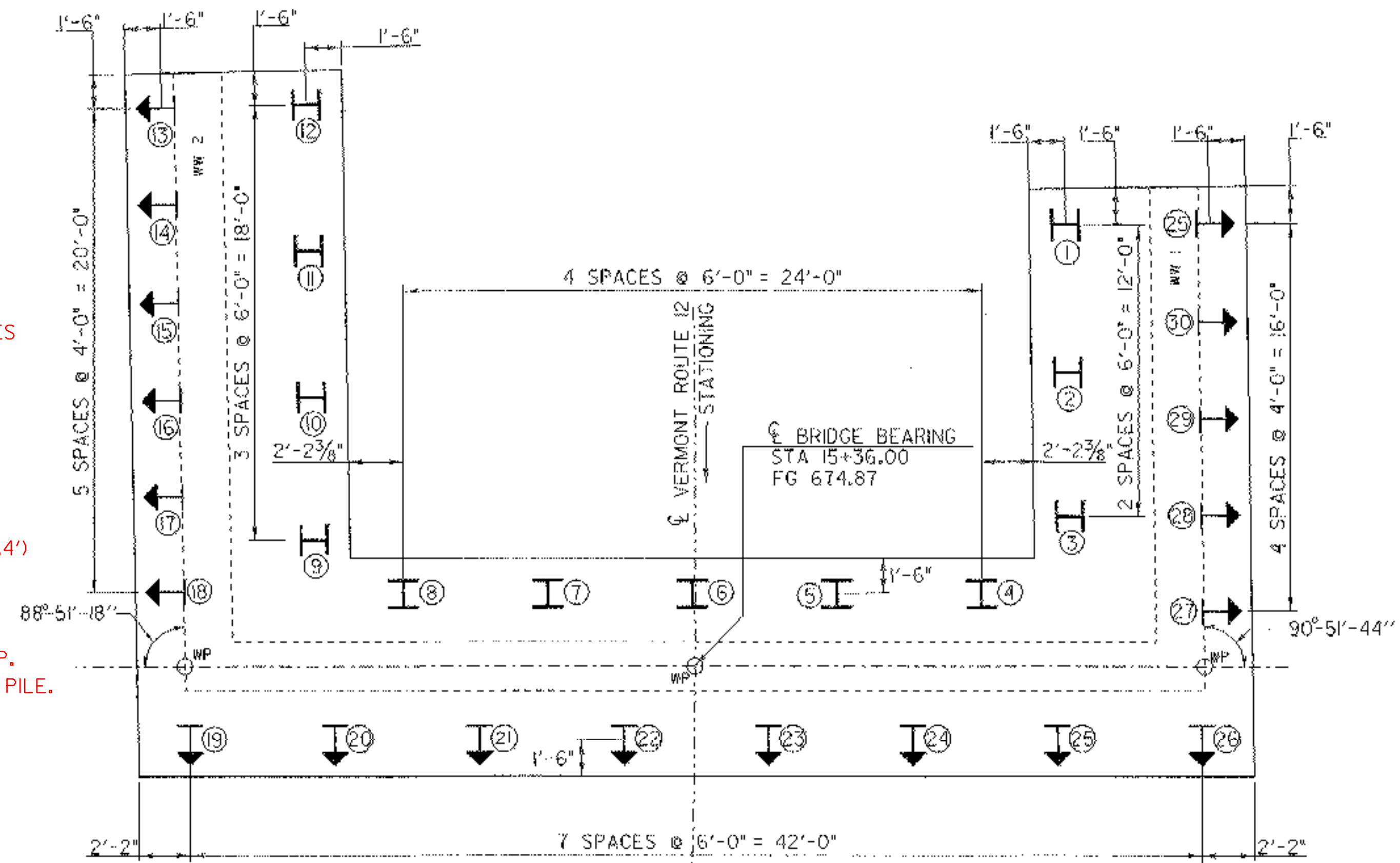
**PILE NOTES:**

1. H - INDICATES LOCATION OF A VERTICAL H-PILE
2. H- - INDICATES LOCATION OF A BATTERED H-PILE
3. PILE SIZE: HP 14 x 73
4. PILE STEEL: ASTM A572/A572M (GRADE 50)
5. WELDING PROCEDURES TO BE APPROVED BY THE STRUCTURES ENGINEER PRIOR TO WELDING
6. PREFABRICATED PILE SPLICE PLATES MAY BE USED WITH THE APPROVAL OF THE RESIDENT ENGINEER
7. ULTIMATE CAPACITY: 365 KIPS (INCLUDES 2.25 FACTOR OF SAFETY).

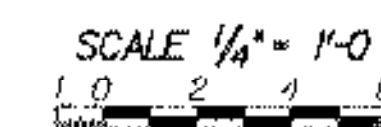
DRIVING CRITERIA FROM DYNAMIC TEST  
 7 BLOWES/INCH FOR 3 CONSECUTIVE INCHES  
 WITH MINIMUM 9" HAMMER STROKE.  
 WRS 05-23-07

NOTE: WAIVE ANALYSES  
 9 BLOWES/FUEL 3/STROKE 7.5' (MAX 11.4')  
 FOR 3 CONSECUTIVE INCHES.

SEE BLACK BOOK PAGE 5-41  
 (NOTHING IN GEN SP, SPECIALS, OR SUPP.  
 C.BENDA SAIS NO RESTRIKES ON TEST PILE.

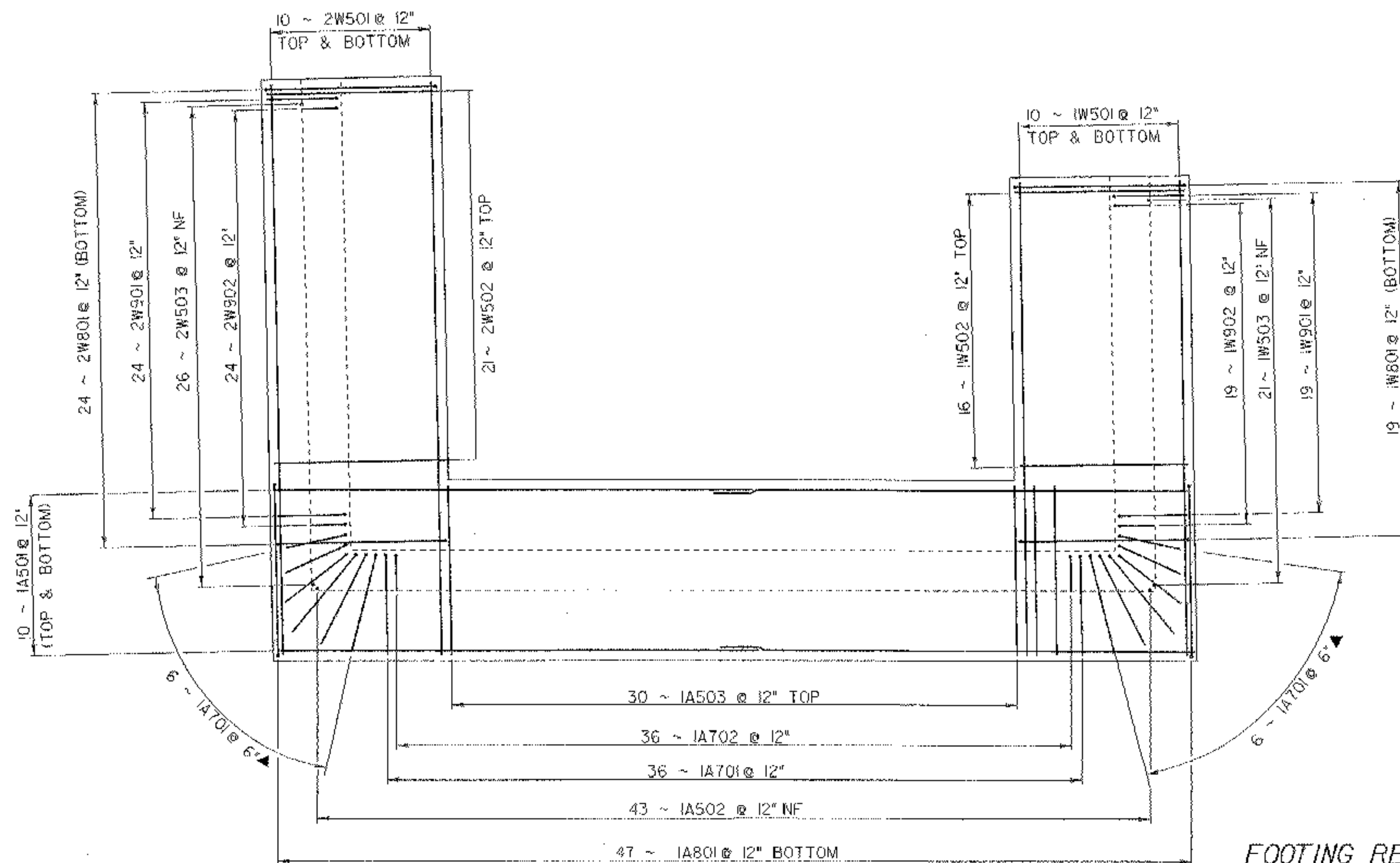


**PILE SPACING**



**NOTE:**

- NF - NEAR FACE
- FF - FAR FACE
- EF - EACH FACE
- ▲ - CUT TO FIT IN FIELD
- 3" CLR, UNLESS OTHERWISE NOTED
- 2'-2" BAR LAP UNLESS OTHERWISE NOTED



**FOOTING REINFORCEMENT**



**ABUTMENT #1  
 FOOTING REINFORCING  
 AND PILE SPACING**

PROJECT NAME:	RANDOLPH
PROJECT NUMBER:	BRF 0241 (29)
FILE NAME: /str5/88j096/s88j096sub.dgn	PLOT DATE: 29-AUG-2006
PROJECT LEADER: W. SYMONDS	DRAWN BY: G. SHANGRAW
DESIGNED BY: T. SUMNER	CHECKED BY: T. FILLBACH
s88j096abut1foot.1	SHEET 71 OF 135