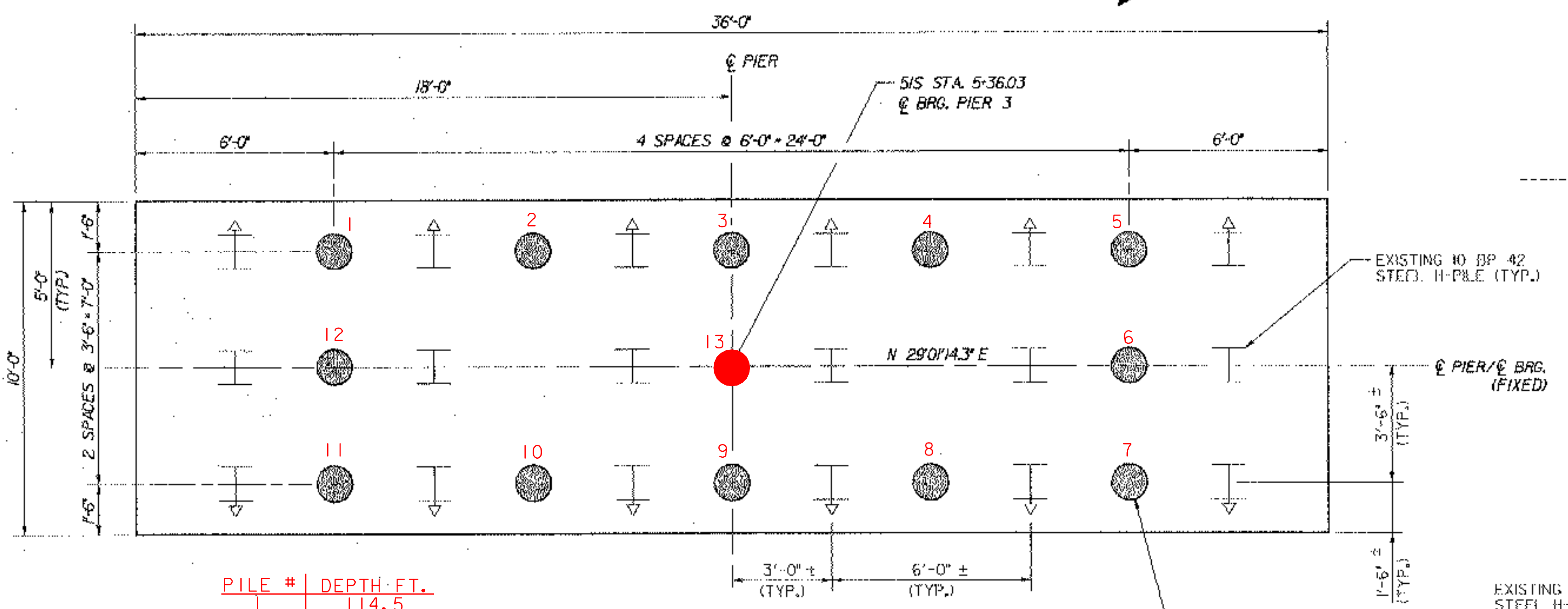


**PLAN**  
SCALE: 3/8"=1'-0"



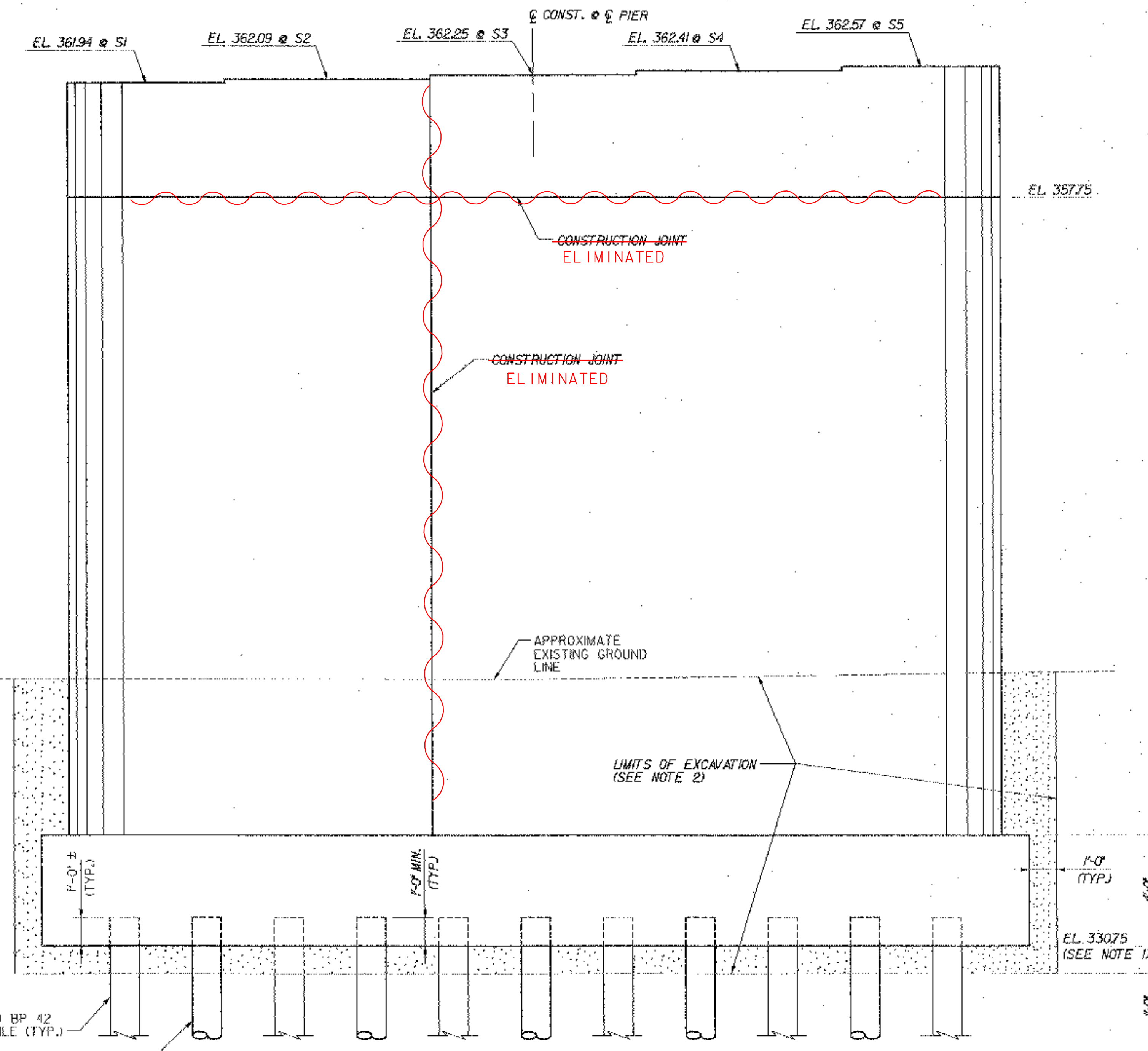
**FOOTING PLAN**  
SCALE: 3/8"=1'-0"

PILE #	DEPTH-FT.
1	114.5
2	117.5
3	117
4	117
5	113
6	120
7	118.5
8	139
9	118.5
10	118.5
11	104
12	100
13	112.5

**NOTES:**

1. THE NEW BOTTOM OF FOOTING ELEVATION SHOWN IS APPROXIMATE. THE NEW BOTTOM OF FOOTING SHALL BE CONSTRUCTED AT THE SAME ELEVATION AS THE EXISTING FOOTING. THE CONTRACTOR SHALL VERIFY THE EXISTING BOTTOM OF FOOTING LOCATION PRIOR TO ORDERING REINFORCING STEEL.
2. THE COST OF ALL EARTH EXCAVATION WITH LIMITS ONE FOOT OUTSIDE AND UNDER THE NEW PIER FOOTING SHALL BE PAID UNDER ITEM 204.25, 'STRUCTURE EXCAVATION'. REMOVAL OF THE EXISTING PIER SHALL BE INCLUDED UNDER ITEM 529.20, 'PARTIAL REMOVAL OF STRUCTURE (AT BR 515)'.
3. PAYMENT FOR ALL BACKFILL REQUIRED WITHIN THE NEAT LINES AS SHOWN SHALL BE MADE UNDER ITEM 204.30, 'GRANULAR BACKFILL FOR STRUCTURES'.

4. IF THE LOCATION OF EXISTING STEEL PILES CONFLICTS WITH DRIVING NEW PILES, THE CONTRACTOR SHALL DRIVE NEW PILES IN DIFFERENT LOCATIONS, AS ORDERED BY THE STRUCTURES ENGINEER, AT NO ADDITIONAL EXPENSE TO THE CONTRACT. SHOULD EXHUMATION OF EXISTING STEEL PILES BE REQUIRED, THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 109.06, EXTRA AND FORCE ACCOUNT WORK.
5. THE SIZE AND LENGTH OF EXISTING PILES IS BASED ON EXISTING PLAN INFORMATION, AND IS PROVIDED FOR INFORMATION ONLY.
6. FOR DETAILS OF CAST-IN-PLACE CONCRETE PILING, SEE TYPICAL BRIDGE DETAILS, BRIDGE SHEET C-46.



**ELEVATION**  
SCALE: 3/8"=1'-0"

- KEY**
- EXISTING 10 BP 42 STEEL H-PILE (APPROX. 47' LONG - SEE NOTE 5)
  - INDICATES BATTERED PILE 1/4 (SEE NOTE 5)
  - NEW 12 3/4" DIA. CLOSED END CAST-IN-PLACE CONCRETE PILE
  - GRANULAR BACKFILL FOR STRUCTURES

**STATE OF VERMONT**  
**AGENCY OF TRANSPORTATION**

Town Of	BOLTON	Bridge No.	515
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 OVER US ROUTE 2 AND JOINER BROOK			
<b>PIER NO. 3 MASONRY (515)</b>			
Designed By	M.J. MOZER	Drawn By	R.A. BOTZENHART
Checked By	Date	Bridge Design Supervisor	Date
P.W. SZUSTAK	10/99	J.P. HALSTEAD	10/99
PROJECT	BOLTON	PROJECT NO.	IM-089-2(29)
TVGA ENGINEERING, SURVEYING, P.C.	TVGA CAD Drawing No. 51sp3mos	Date	10/99
Bridge Sheet No. BR51-26	Sheet	124 of	307