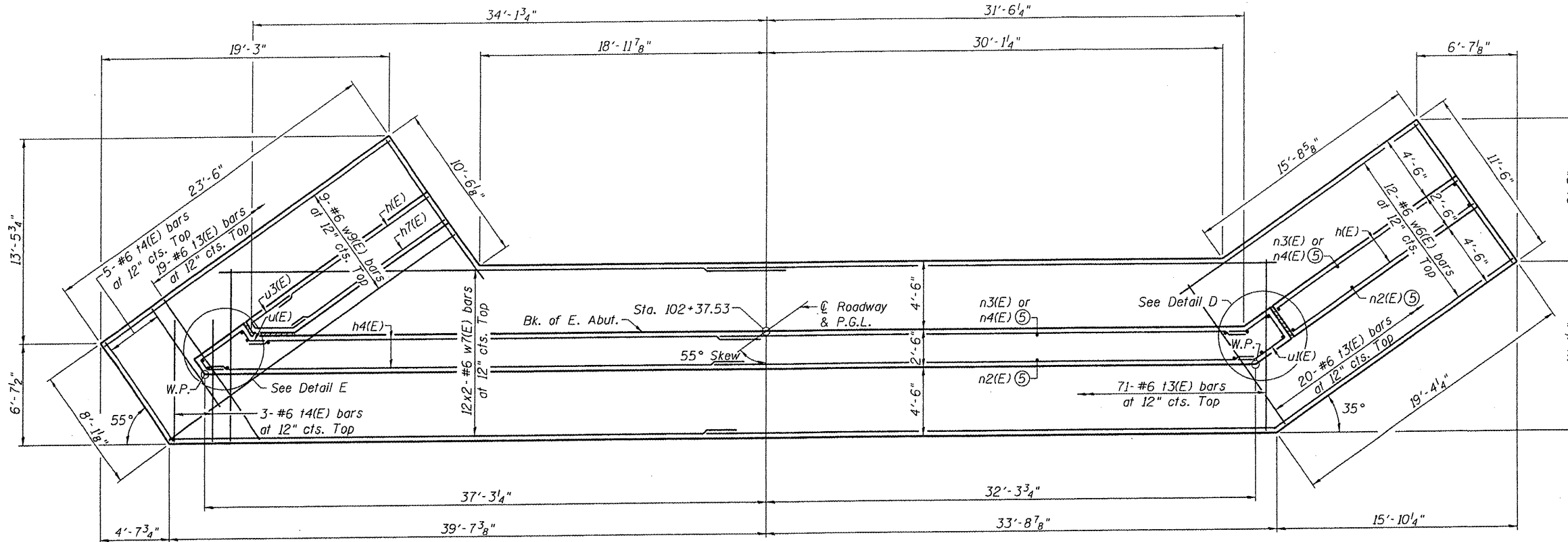
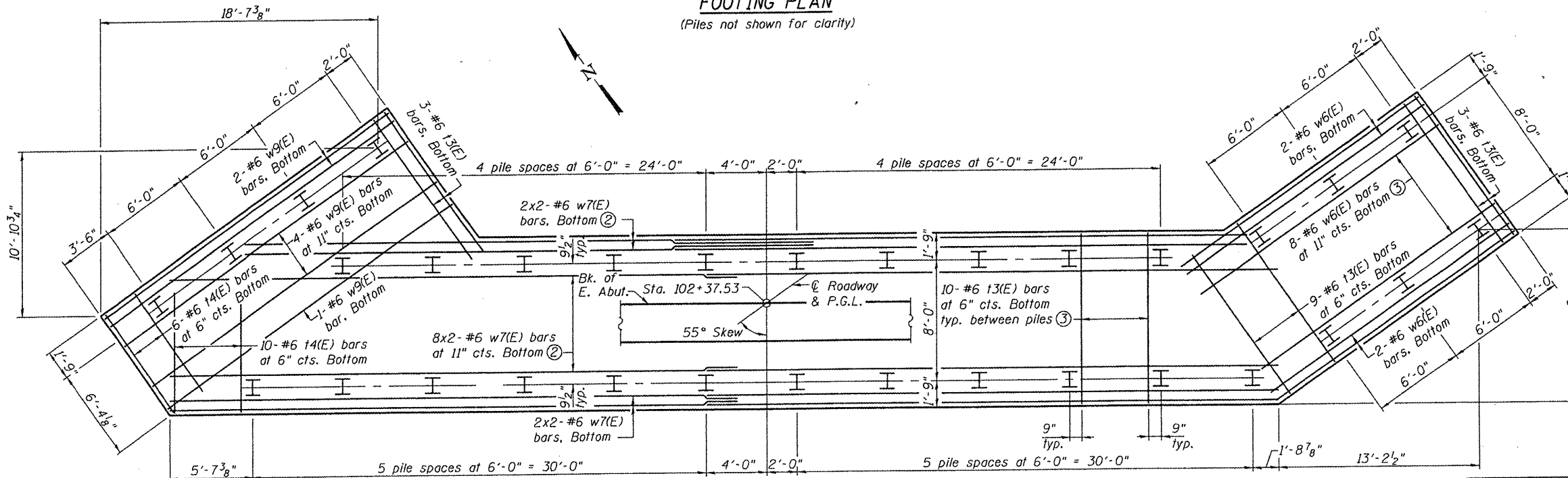


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**FOOTING PLAN**

(Piles not shown for clarity)



**PILE LAYOUT**

(Walls not shown for clarity)


**PILE DATA**

Type: HP14x73 with Pile Shoes  
 Nominal Required Bearing: 578 Kip  
 Allowable Resistance Available: 192 Kip  
 Est. Length: 18' (Embed 3 feet into shale  
 as directed by the Engineer)  
 No. Test Piles: 1  
 No. Production Piles: 31

**Notes:**

- ① Minimum bar lap: #6 bars = 2'-10"
- ② Vary bar lap where required to avoid conflict with piles.
- ③ Cut bars where required to avoid conflict with piles.
- ④ For Bar List, Bill of Materials, Detail D, Detail E, pile details, and reinforcement details, see sheet 23 of 31.
- ⑤ Bars n2(E), n3(E), and n4(E) shall be cast with footing. Bars billed in Unfolded Elevation View of abutment for clarity.
- ⑥ Bars indicated thus 12x2-#6 etc. indicates 12 lines of bars with 2 lengths.

**EAST ABUTMENT  
STRUCTURE NO. 082-6113**

SHEET NO. 22	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	9274	04-00202-00-BR	ST. CLAIR	55	39
31 SHEETS	CONTRACT NO. 97369				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					
 DATES ASSOCIATES Consulting Engineers	Eastport Business Center 1 100 Lanier Court, Suite 1 Collinsville, Illinois 62234 618-345-2200 Design Firm License No. 184.001115			DESIGNED DGL	
				CHECKED JAD	
				DRAWN JAD	
				CHECKED DGL	