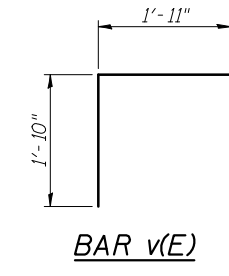
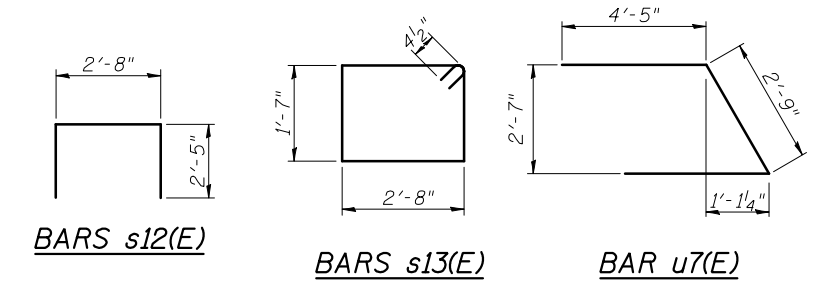


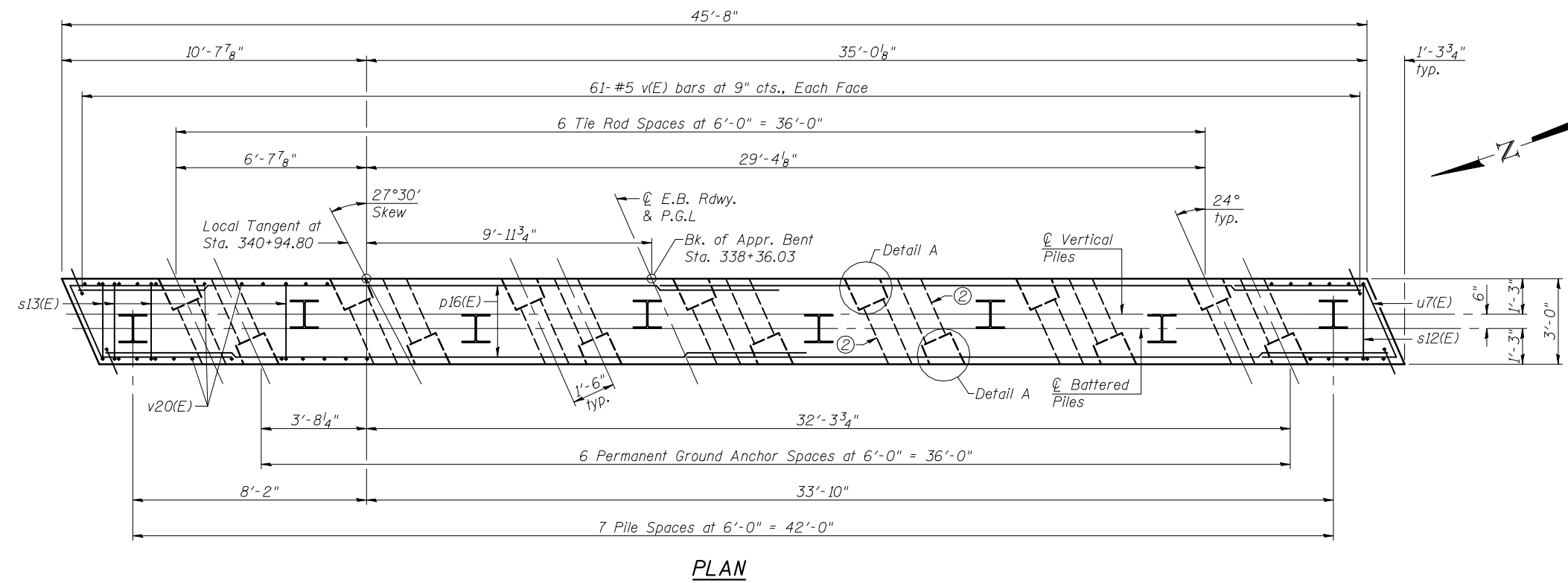
ELEVATION
(Looking East)



MIN. BAR LAP
#7 bar = 5'-10"

BILL OF MATERIAL

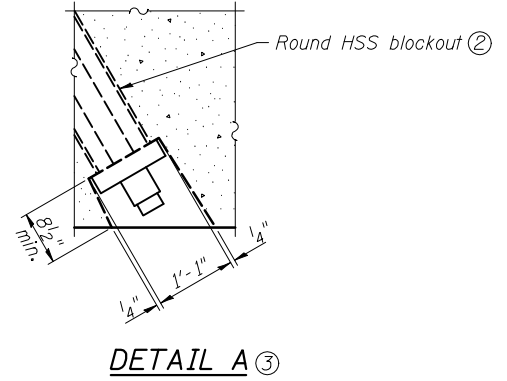
| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|---------|-------|
| p16(E) | 48 | #7 | 25'-7" | — |
| s12(E) | 60 | #4 | 7'-6" | ⌊ |
| s13(E) | 53 | #4 | 9'-3" | ⌊ |
| u7(E) | 18 | #6 | 11'-7" | ⌊ |
| v(E) | 122 | #5 | 3'-9" | ⌊ |
| v20(E) | 94 | #5 | 7'-0" | — |
| Structure Excavation | | | Cu. Yd. | 118 |
| Concrete Structures | | | Cu. Yd. | 38.9 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 4,610 |
| Furnishing Steel Piles HP14x89 | | | Foot | 752 |
| Driving Piles | | | Foot | 752 |



PLAN

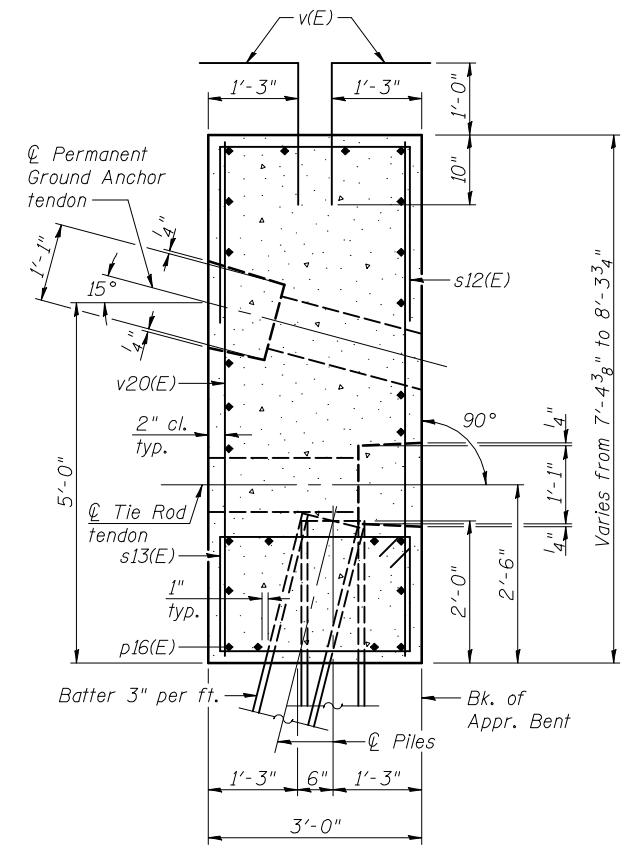
PILE DATA

Type: Steel HP 14x89
 Nominal Required Bearing: 705 kips
 Factored Resistance Available: 390 kips
 Est. Length: 94 ft
 No. Production Piles: 8
 No. Test Piles: 0



DETAIL A

- Notes:
- For details of piles, see sheet 46 of 53.
 - Round HSS9.625x0.188 conforming to the requirements of ASTM A500 Grade B cast into bent for Tie Rod and Permanent Ground Anchor blockouts. Cost included with Concrete Structures.
 - For details of Tie Rod and Permanent Ground Anchor, see sheet 39 of 53.
 - Fan bars located above the Permanent Ground Anchor blockouts.
 - Bars indicated thus 24 x 2-#7 etc. indicates 24 lines of bars with 2 lengths per line.



SEC. THRU APPR. BENT



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| | | |
|--------------|----------------|-----------|
| USER NAME = | DESIGNED - JAD | REVISED - |
| | CHECKED - DGL | REVISED - |
| PLOT SCALE = | DRAWN - JAD | REVISED - |
| PLOT DATE = | CHECKED - DGL | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST APPROACH BENT DETAILS
STRUCTURE NO. 039-0075 (E.B.)

SHEET NO. 31 OF 53 SHEETS

| | | | | |
|--------------------|------------|---------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 331 | (12-11B-1) | JACKSON | 200 | 90 |
| CONTRACT NO. 78056 | | | | |

ILLINOIS FED. AID PROJECT