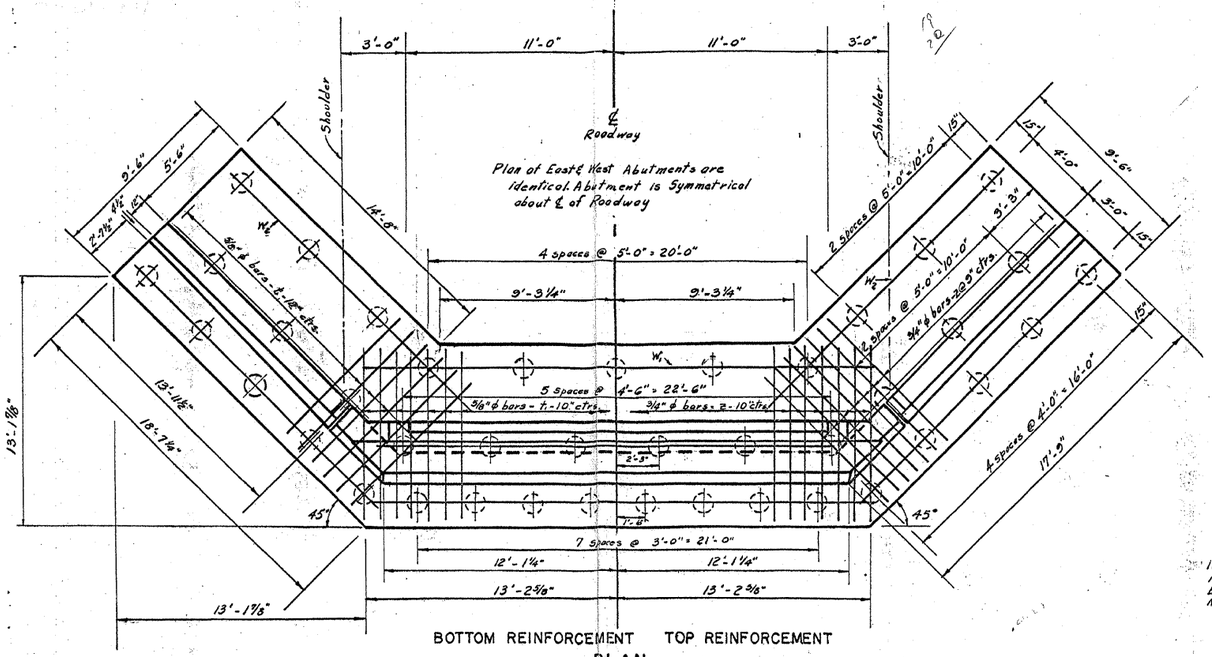
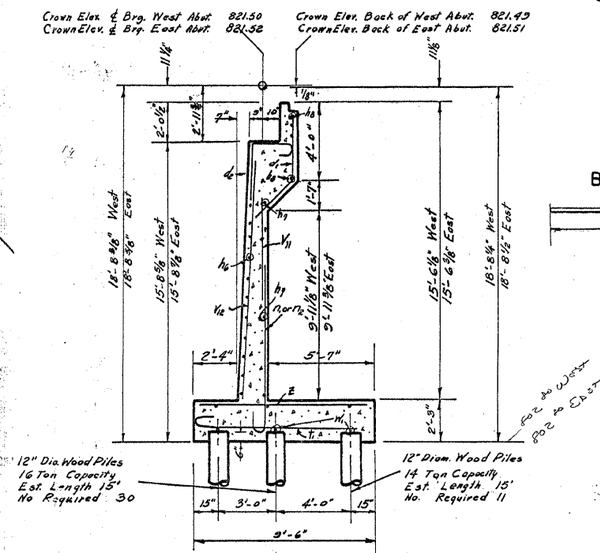
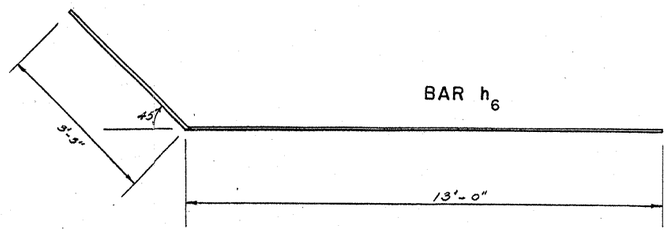



PLAN
Scale ¼"=1'0"




SECTION THRU BREAST WALL

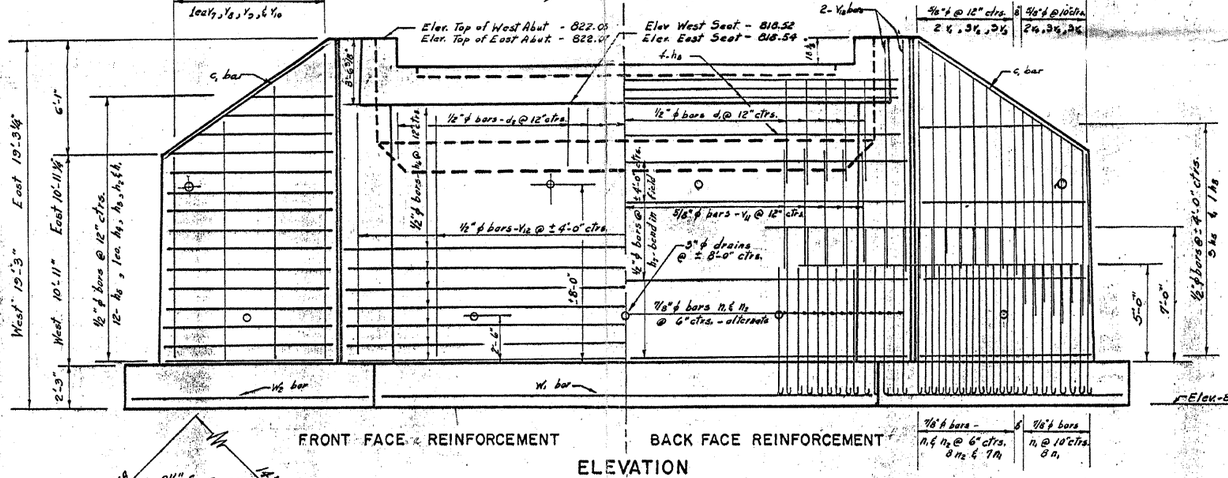



BILL OF MATERIALS (1 ABUTMENT)

| BAR | NO | SIZE | LENGTH | SHAPE |
|---|---|---|---|---|
| c | 4 | #6 | 14'-6" | |
| $d_1$ | 27 | #3 | 6'-3" | |
| $d_2$ | 25 | ½" ϕ | 6'-0" | |
| $h_1$ | 2 | ½" ϕ | 4'-3" | |
| $h_2$ | 2 | ½" ϕ | 6'-6" | |
| $h_3$ | 4 | ½" ϕ | 8'-9" | |
| $h_4$ | 2 | ½" ϕ | 10'-9" | |
| $h_5$ | 30 | ½" ϕ | 13'-6" | |
| $h_6$ | 28 | ½" ϕ | 16'-3" | |
| $h_7$ | 4 | ½" ϕ | 23'-0" | |
| $h_8$ | 4 | ½" ϕ | 25'-6" | |
| $V_1$ | 4 | ⅝" ϕ | 11'-3" | |
| $V_2$ | 6 | ⅝" ϕ | 11'-0" | |
| $V_3$ | 6 | ⅝" ϕ | 9'-9" | |
| $V_4$ | 4 | ⅝" ϕ | 10'-6" | |
| $V_5$ | 6 | ⅝" ϕ | 9'-9" | |
| $V_6$ | 6 | ⅝" ϕ | 8'-6" | |
| $V_7$ | 2 | ½" ϕ | 16'-9" | |
| $V_8$ | 2 | ½" ϕ | 15'-0" | |
| $V_9$ | 2 | ½" ϕ | 13'-0" | |
| $V_{10}$ | 2 | ½" ϕ | 11'-0" | |
| $V_{11}$ | 26 | ⅝" ϕ | 5'-6" | |
| $V_{12}$ | 8 | ½" ϕ | 12'-6" | |
| $V_{13}$ | 4 | ⅜" ϕ | 13'-6" | |
| $n_1$ | 59 | ⅞" ϕ | 8'-0" | |
| $n_2$ | 46 | ⅞" ϕ | 10'-0" | |
| $t_1$ | 69 | ⅝" ϕ | 10'-0" | |
| $W_1$ | 3 | ½" ϕ | 26'-6" | |
| $W_2$ | 6 | ½" ϕ | 17'-6" | |
| z | 79 | ¾" ϕ | 9'-3" | |

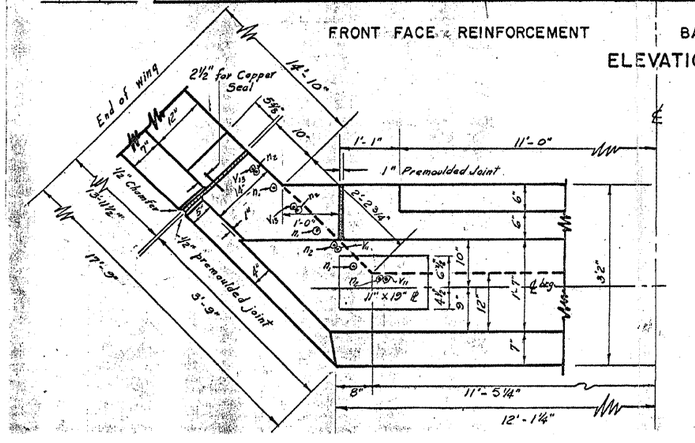
| | | |
|---|---|---|
| Class X Concrete | Cu. Yds. | 87.5 |
| Reinforcement Bars | Lbs. | 5,540 |
| Fur. Untr. Wood Piles 15' Lg. Lin. Ft. | | 600 |
| Drir. Untr. Wood Piles 15' Lg. Lin. Ft. | | 600 |
| Test Pile | Each | 1 |

FOR INFORMATION ONLY



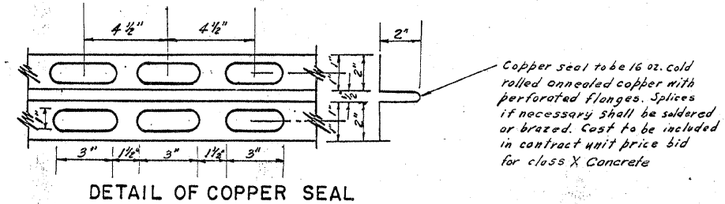

FRONT FACE REINFORCEMENT
BACK FACE REINFORCEMENT

ELEVATION




CORNER DETAIL
Scale 3/4"=1'0"
NOTE: All corner details are identical

SECTION THRU WING WALL




DETAIL OF COPPER SEAL
Scale 3"=1'0"

Copper seal to be 16 oz. cold rolled annealed copper with perforated flanges. Splices if necessary shall be soldered or brazed. Cost to be included in contract unit price bid for class X Concrete

BRUSH POINT BRIDGE
OVER
KISHWAUKEE RIVER (SO. BRANCH)
MAYFIELD TOWNSHIP
DE KALB COUNTY, ILLINOIS