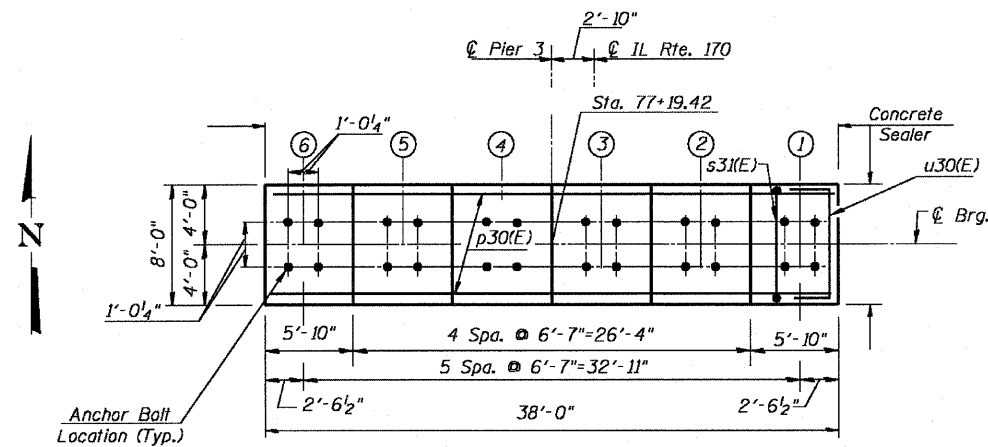


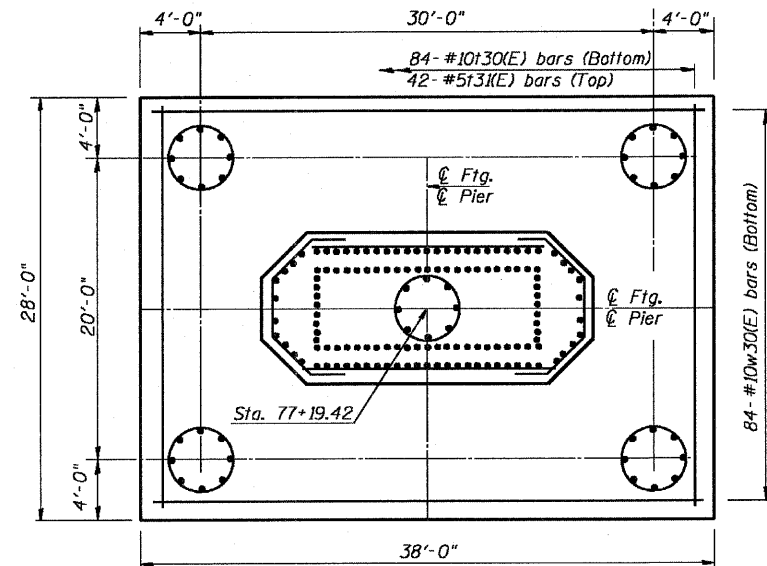
Contract # 66607

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|----------|-------|
| h30(E) | 12 | #6 | 37'-8" | — |
| h3(E) | 2 | #6 | 32'-8" | — |
| h32(E) | 48 | #6 | 15'-8" | — |
| h33(E) | 60 | #6 | 16'-0" | — |
| h34(E) | 2 | #6 | 27'-4" | — |
| h35(E) | 9 | #5 | 19'-5" | — |
| n30(E) | 66 | #14 | 14'-3" | — |
| n3(E) | 64 | #14 | 17'-3" | — |
| p30(E) | 20 | #14 | 37'-8" | — |
| p3(E) | 6 | #9 | 37'-10" | — |
| s30(E) | 64 | #6 | 27'-0" | — |
| s3(E) | 100 | #6 | 14'-6" | — |
| s32(E) | 48 | #6 | 12'-4" | — |
| s33(E) | 60 | #6 | 17'-8" | — |
| s34(E) | 19 | #4 | 12'-8" | — |
| s35(E) | 168 | #5 | 7'-11" | — |
| s36(E) | 210 | #5 | 10'-10" | — |
| s37(E) | 36 | #6 | 16'-0" | — |
| sp30 | 5 | #5 | 1084'-0" | — |
| t30(E) | 84 | #10 | 27'-8" | — |
| t3(E) | 42 | #5 | 27'-8" | — |
| u30(E) | 12 | #6 | 13'-4" | — |
| v30(E) | 66 | #14 | 26'-6" | — |
| v3(E) | 64 | #14 | 23'-3" | — |
| v32(E) | 32 | #14 | 33'-0" | — |
| v33(E) | 30 | #14 | 36'-0" | — |
| v34(E) | 32 | #14 | 28'-8" | — |
| v35(E) | 30 | #14 | 24'-8" | — |
| v36 | 100 | #11 | 36'-3" | — |
| w30(E) | 84 | #10 | 37'-8" | — |
| w3(E) | 42 | #5 | 37'-8" | — |
| Cofferdam Excavation | | Cu. Yd. | 548 | |
| Concrete Structures | | Cu. Yd. | 868 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 118,340 | |
| Reinforcement Bars | | Pound | 24,920 | |
| Drilled Shaft in Rock | | Cu. Yd. | 107 | |
| Mechanical Splice | | Ea. | 192 | |

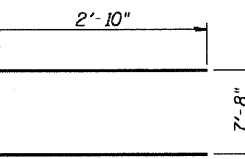


TOP PLAN

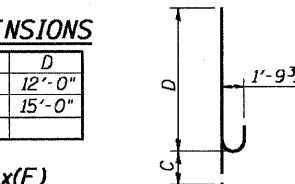


FOOTING PLAN

BAR s30(E)



BAR u30(E)

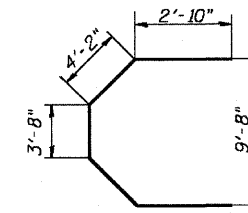


C & D DIMENSIONS

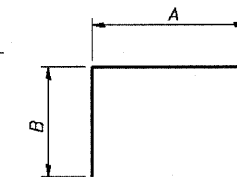
| Bar | C | D |
|--------|-------|--------|
| n30(E) | 2'-3" | 12'-0" |
| n3(E) | 2'-3" | 15'-0" |

BARS nxx(E)

BAR n30(E) & n3(E)



BAR s33(E)

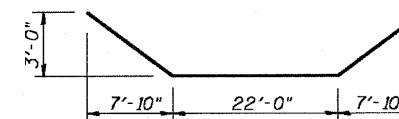


BARS sx(E)

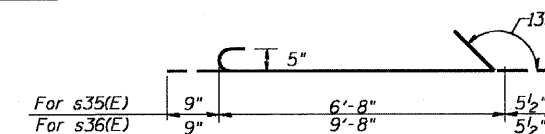
A & B DIMENSIONS

| Bar | A | B |
|--------|-------|--------|
| s3(E) | 5'-2" | 4'-8" |
| s32(E) | 6'-8" | 2'-10" |
| s34(E) | 7'-8" | 2'-6" |
| s37(E) | 5'-2" | 5'-5" |

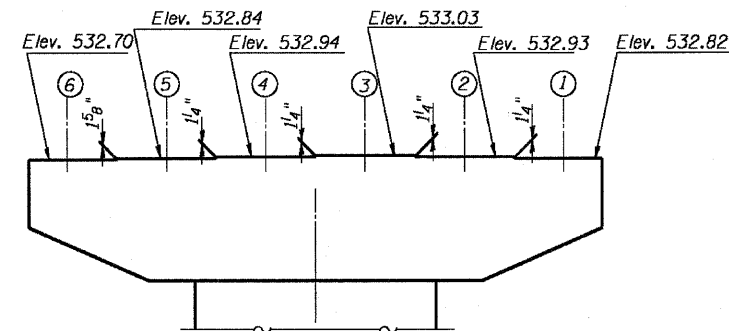
BARS syy(E)



BAR p3(E)



BAR s35(E) and s36(E)



TOP OF PIER
(Showing Steps Elevations)

VESSEL COLLISION FORCES

Load Case 1
Static Load = 2800K
Elevation = 500.13 ft (Barge Bow Rake 6' above MHW)
Direction = Parallel to Pier & Navigational Channel

Load Case 2
Static Load = 1400K
Elevation = 500.13 ft (Barge Bow Rake 6' above MHW)
Direction = Perpendicular to Pier & Navigational Channel

Note: Load Cases are considered independently
Load Combination 1.0(1.0D)+1.0P+1.0B+1.0SF+1.0E

| |
|----------------|
| DESIGNED - RJC |
| CHECKED - DEV |
| DRAWN - JHR |
| CHECKED - DEV |

Notes:

- Work this Sheet with Sheet 70
- Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap.
- Cofferdam Struts are not allowed to pass through Foundation.
- Final Design & Dimensions of Cofferdams are the Responsibility of the Contractor.

PIER 3 DETAILS
IL. 170 F.A.P. 786 OVER
ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246