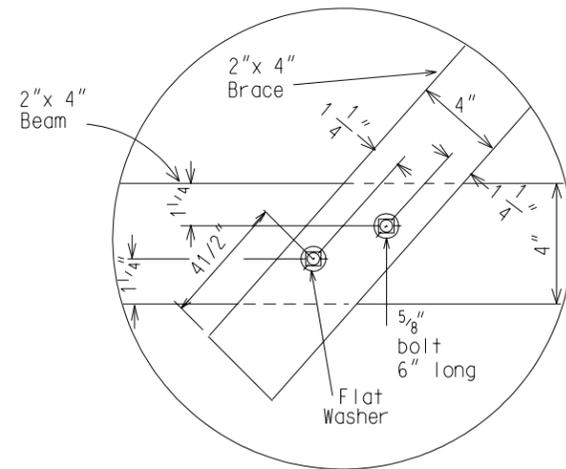
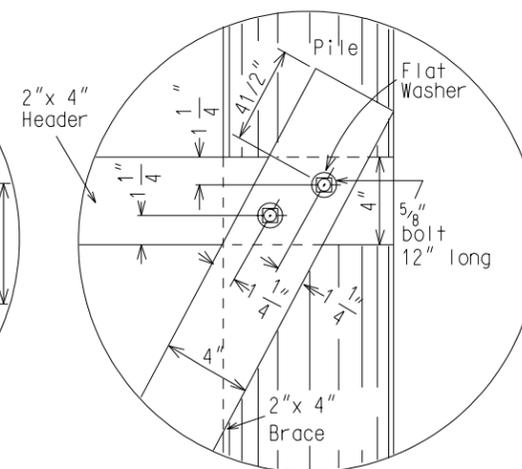


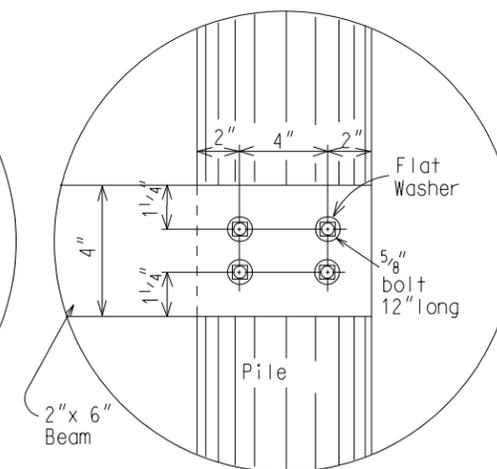
PLAN
(NTS)



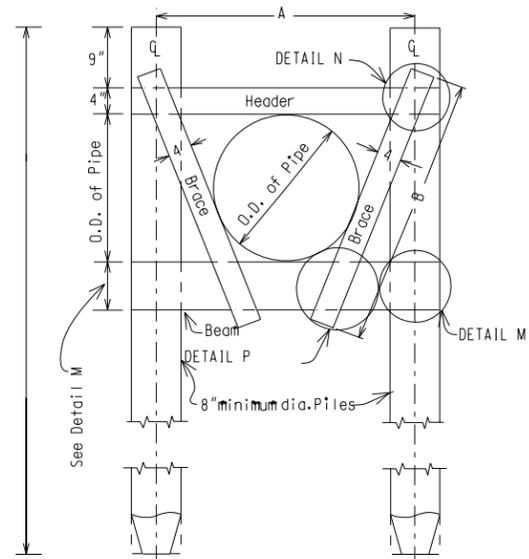
DETAIL P



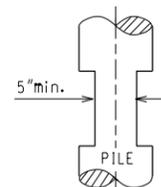
DETAIL N



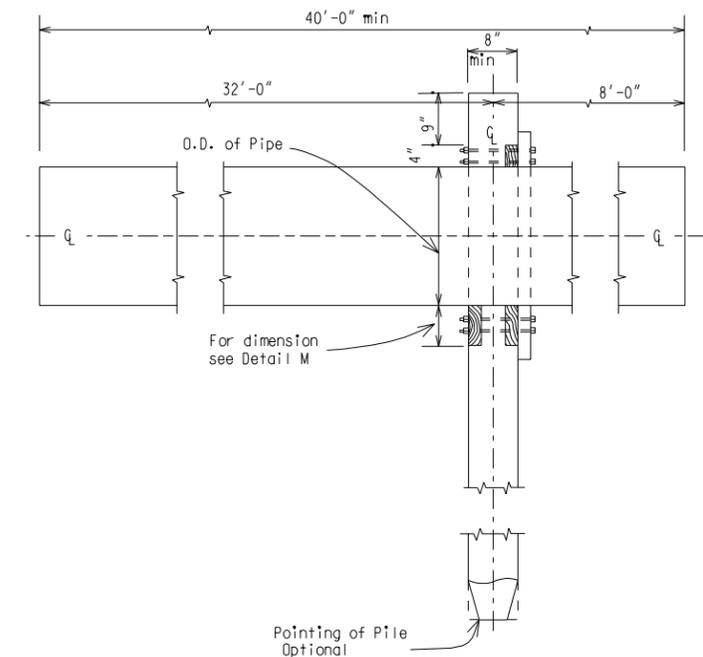
DETAIL M



ELEVATION
(NTS)



NOTCH DETAIL



SECTION ALONG
CENTERLINE OF PIPE
(NTS)

NOTES AND SPECIFICATIONS

- Lumber shall be southern Pine (unfinished surface), No. 2 Dense (MC=19) in conformance with the latest edition of grading rules by the Southern Pine Inspection Bureau.
- Washers shall be circular cut washers conforming to the requirements of A.S.T.M. Specification A-36. Bolts shall conform to A.S.T.M. Specification A-307. Bolts, nuts, and washers shall be hot dip zinc coated in accordance with requirements of class C, A.S.T.M. Specification A-153, or stainless steel class 304 or 314. Bolts shall have a 6 inch minimum thread length.
- Timber piles shall meet the requirements of ASTM D25 and shall be class B southern yellow pine.
- Timber piles and timber members shall be pressure treated in conformance with ASTM D 1760. Prescribed treatment shall be stated in the specifications.
- Bracing shall be placed against and bolted tangent to the pipe.
- The piles may be either:
 - Set butt up, in drilled holes which have a diam. at least 9" larger than the top of the pile. Backfill may be with earth placed in 6" layers and thoroughly tamped or with concrete well rodded to a dense mass. The hole shall be filled to the ground line.
 - Driven to the specified depth by methods and procedures approved by the Engineer.

| BILL OF MATERIALS | | | | | |
|-------------------------|------------|----------|--------------------------------|------|------|
| PIPE DIAMETER IN INCHES | | | 8 | 10 | 12 |
| ITEM | SIZE | QUANTITY | Item Length for pipe Diameters | | |
| PILES | 8" diam. | 2 | | | |
| HEADERS | 2"x4" | 1 | 3'8" | 3'8" | 3'8" |
| BEAMS | 2"x4" | 2 | 3'8" | 3'8" | 3'8" |
| BRACES | 2"x4" | 2 | 2'7" | 2'8" | 2'9" |
| BOLTS w/NUTS | 5/8" diam. | 4 | 6" | 6" | 6" |
| BOLTS w/NUTS | 5/8" diam. | 8 | 12" | 12" | 12" |
| BOLTS w/NUTS | 5/8" diam. | 4 | 12" | 12" | 12" |
| WASHERS, Flat | 5/8" | 32 | | | |

✓ PILES: Enter actual length of piling based on site conditions

| TABLE OF DIMENSIONS | | | | |
|-------------------------|------|-------|-------|-------|
| PIPE DIAMETER IN INCHES | | 8 | 10 | 12 |
| A | FEET | 3'-0" | 3'-0" | 3'-0" |
| B | FEET | 2'-7" | 2'-8" | 2'-9" |

| | | | |
|---|----------|-------|----|
| PIPE OUTLET SUPPORT DETAILS FOR 8", 10", 12", 15", 18" DIAMETER PIPE | | | |
| STANDARD DWG. NO. | FL-410B1 | SHEET | OF |
| DATE | 12/02 | | |

| REVISIONS | | |
|-----------|----------|-------|
| DATE | APPROVED | TITLE |
| | | |

| | |
|----------|--|
| Date | |
| Designed | |
| Drawn | |
| Checked | |
| Approved | |

| | |
|-------------|----|
| File No. | |
| Drawing No. | |
| Sheet | of |

