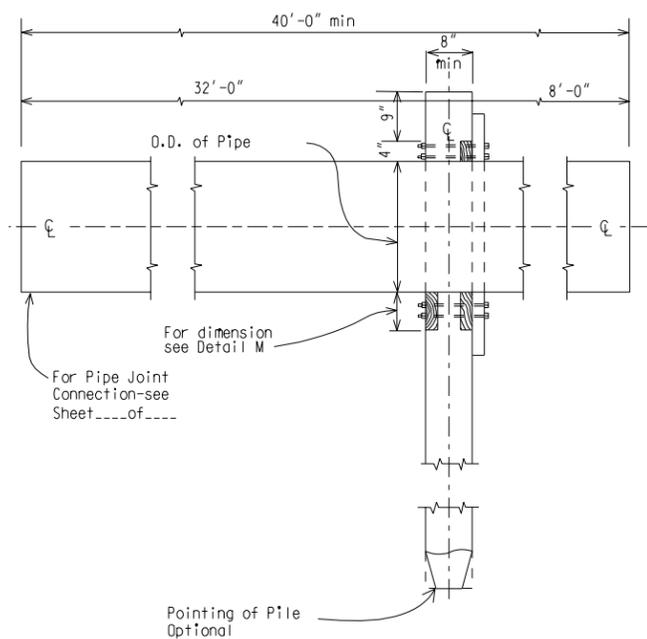
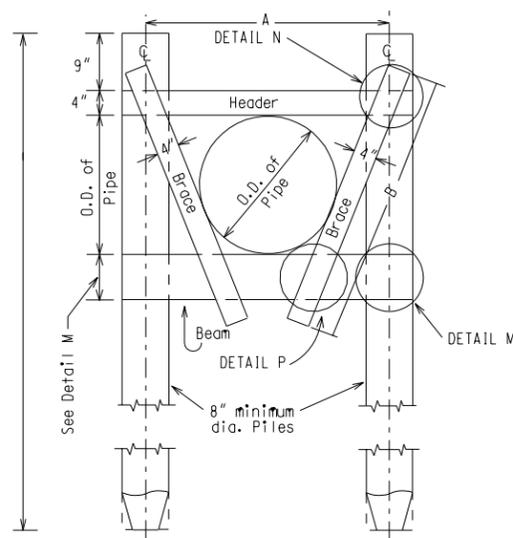


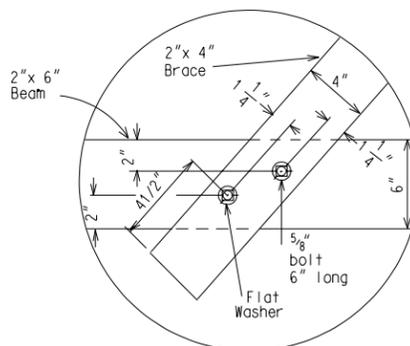
PLAN
(NTS)



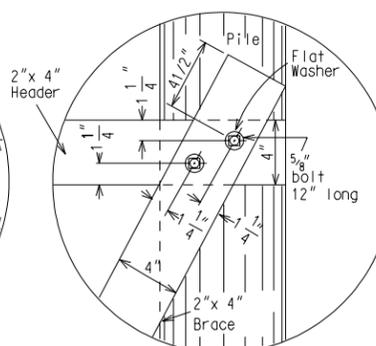
SECTION ALONG
CENTERLINE OF PIPE
(NTS)



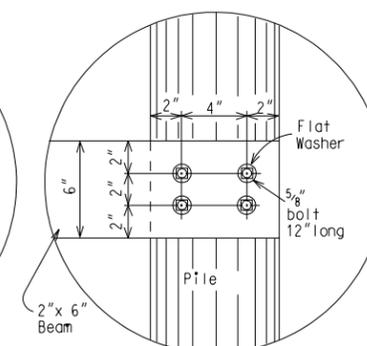
ELEVATION
(NTS)



DETAIL P



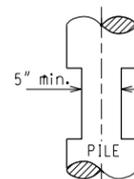
DETAIL N



DETAIL M

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 dipped zinc coated in accordance with the requirements of class C, A.S.T.M. Specification A-153, or stainless steel class 304 or 316. 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.



NOTCH DETAIL

TABLE OF DIMENSIONS						
PIPE DIAMETER IN INCHES		15	18	21	24	
A	FEET	3'-0"	4'-0"	4'-0"	4'-0"	
B	FEET	3'-0"	3'-6"	3'-7"	3'-8"	

BILL OF MATERIALS						
PIPE DIAMETER in INCHES		15	18	21	24	
ITEM	SIZE	QUANTITY	Item Length for pipe Diameters			
PILES	8" diam.	2				
HEADER	2"x4"	1	3'8"	4'8"	4'8"	4'8"
BEAMS	2"x6"	2	3'8"	4'8"	4'8"	4'8"
BRACES	2"x4"	2	3'0"	3'6"	3'7"	3'8"
BOLTS w/NUTS	5/8" diam.	4	6"	6"	6"	6"
BOLTS w/NUTS	5/8" diam.	8	12"	12"	12"	12"
BOLTS w/NUTS	5/8" diam.	4	12"	12"	12"	12"
WASHERS, Flat	5/8"	32				

NOTE: Enter actual length of piling based on site conditions.

PIPE OUTLET SUPPORT DETAILS FOR
21" AND 24" DIAMETER PIPE

STANDARD DWG. NO. FL-410B2
DATE 12/02 SHEET OF

REVISIONS		
DATE	APPROVED	TITLE

Date _____
Designed _____
Drawn _____
Checked _____
Approved _____



File No. _____

Drawing No. _____

Sheet of _____