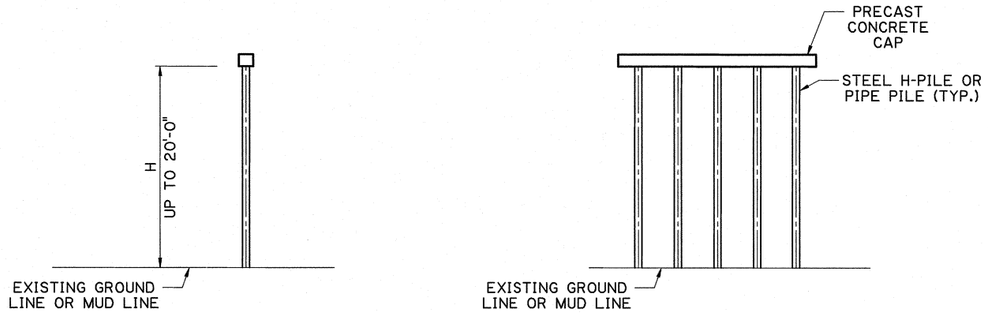
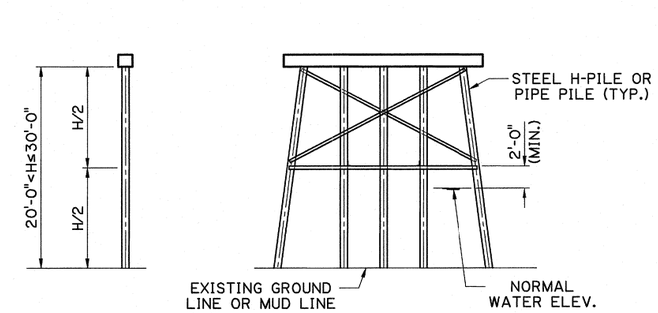


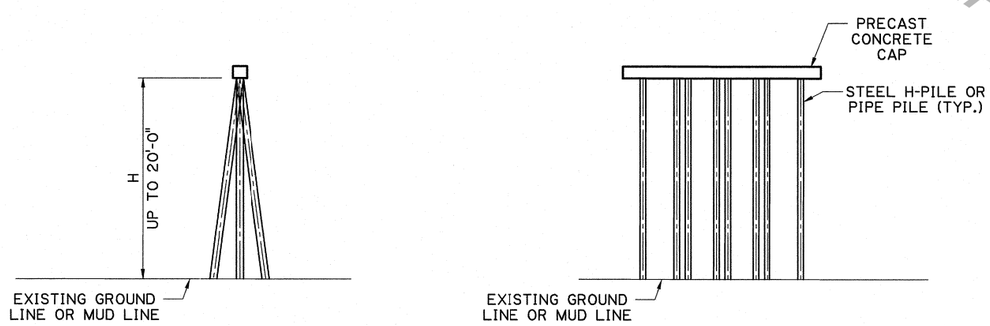
CASE 1 *
(SINGLE ROW BENT)



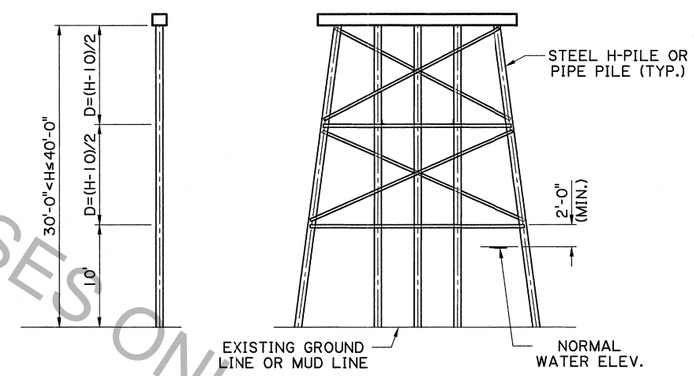
CASE 3

FOR INFORMATIONAL PURPOSES ONLY

* FOR BENT CASES 1 AND 2 BATTER EXTERIOR PILES
1½ ON 12 WHEN "H" > 12'-0"



CASE 2 *
(ANCHOR BENT)



CASE 4

NOTES:

THE PURPOSE OF THE TWO FEET MINIMUM CLEARANCE ABOVE THE NORMAL WATER LEVEL IS TO ALLOW THE PASSAGE OF DEBRIS UNDERNEATH THE HORIZONTAL AND SWAY BRACING. IN THE EVENT OF A FLOOD, THE WATER LEVEL MAY RISE ABOVE THE LOWEST MEMBER OF THE HORIZONTAL AND SWAY BRACING.

IF THE EXISTING WATER LEVEL ELEVATION CONFLICTS WITH THE SELECTED BRACING ALTERNATE, THEN THE CONTRACTOR MAY PROPOSE REVISIONS TO THE BRACING AND PILE MEMBERS TO THE BRIDGE ENGINEER FOR REVIEW.

"H" DOES NOT INCLUDE THE DEPTH OF SCOUR.

MAXIMUM PILE LOAD (TONS)			
BENT CASE	SERVICE LOAD	FACTORED DEAD LOAD	FACTORED LIVE LOAD
1	24	11	27
2	38	7	59
3	24	11	27
4	24	11	27

STATE OF LOUISIANA
JUSTIN C. PELTIER
License No. 34765
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/8/2012

SHEET NUMBER

PARISH	CONTROL SECTION	STATE PROJECT

DESIGNED J. PELTIER	DETAILED J. PELTIER	SERIES NUMBER 3 OF 15
CHECKED M. HEBERT	CHECKED M. HEBERT	

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

BENT CONFIGURATION AND PILE LOADS

BD2.8.1.0.03 - DETOUR BRIDGE

BRIDGE & STRUCTURAL DESIGN