

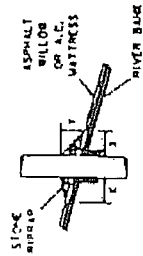
**SITE LOCATION**

BOX NO 6 & 7 DOLPHINS & ADDRESS	
JOHN W. STONE OIL DISTRIBUTOR, LLC.	
87 FIRST STREET	
GRETN,	LOUISIANA
11/24/09	JN 1634
DEAS NOTER - CHUDSEN	D6-1
	1 OF 4

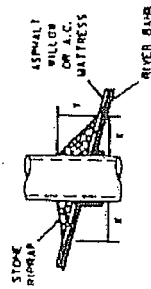




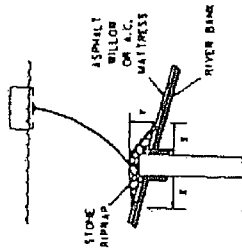
# PILE



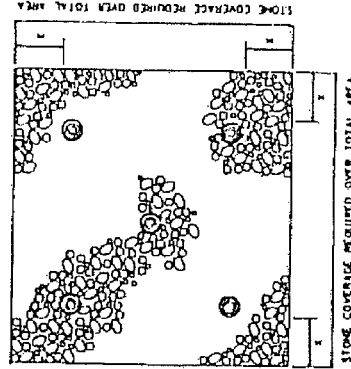
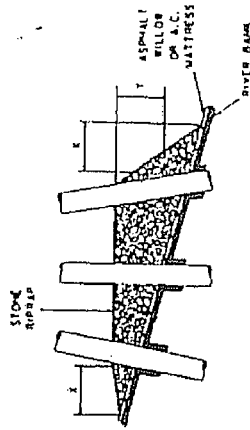
# CAISSON



# SPUD PILE (BUOY AND ANCHOR CHAIN)



# PILE CLUSTER



## NOTES:

1. SIZE OF RIPRAP TO VARY BETWEEN 8 POUNDS AND 125 POUNDS WITH 40 PERCENT TO 60 PERCENT OF THE STONE WITHIN THE RANGE OF 25 POUNDS TO 75 POUNDS.
2. WHEN PENETRATING THE UPPER BANK PAVING IN A REVETMENT WITH PILES, CAISSONS AND/OR PILE CLUSTERS, A 10 INCH THICK RIPRAP STONE LAYER SHALL BE PLACED OVER ALL AREAS WHERE THE BANK PAVING IS DISTURBED BY DRIVING OPERATIONS.
3. WHEN USING AN ANCHOR CHAIN AND BUOY SYSTEM, THE ANCHOR CHAIN MUST BE ATTACHED AT THE TOP OF THE PILE TO MINIMIZE REVETMENT DAMAGE.

DEPTH OF WATER IN FEET AT POINT OF PENETRATION AT TIME OF STONE PLACEMENT	DIMENSIONS IN FEET FOR PROTECTION AREA REQUIRED									
	PILE		CAISSON		SPUD PILE BUOY AND ANCHOR CHAIN		PILE CLUSTER			
3' - 10'	3	1.5	3	2	3	1	3	1	3	1
11' - 40'	5	2	5	3	5	2	5	2	5	2
41' - 80'	8	3	8	4	8	3	8	3	8	3