

SAUDI ARABIAN OIL COMPANY

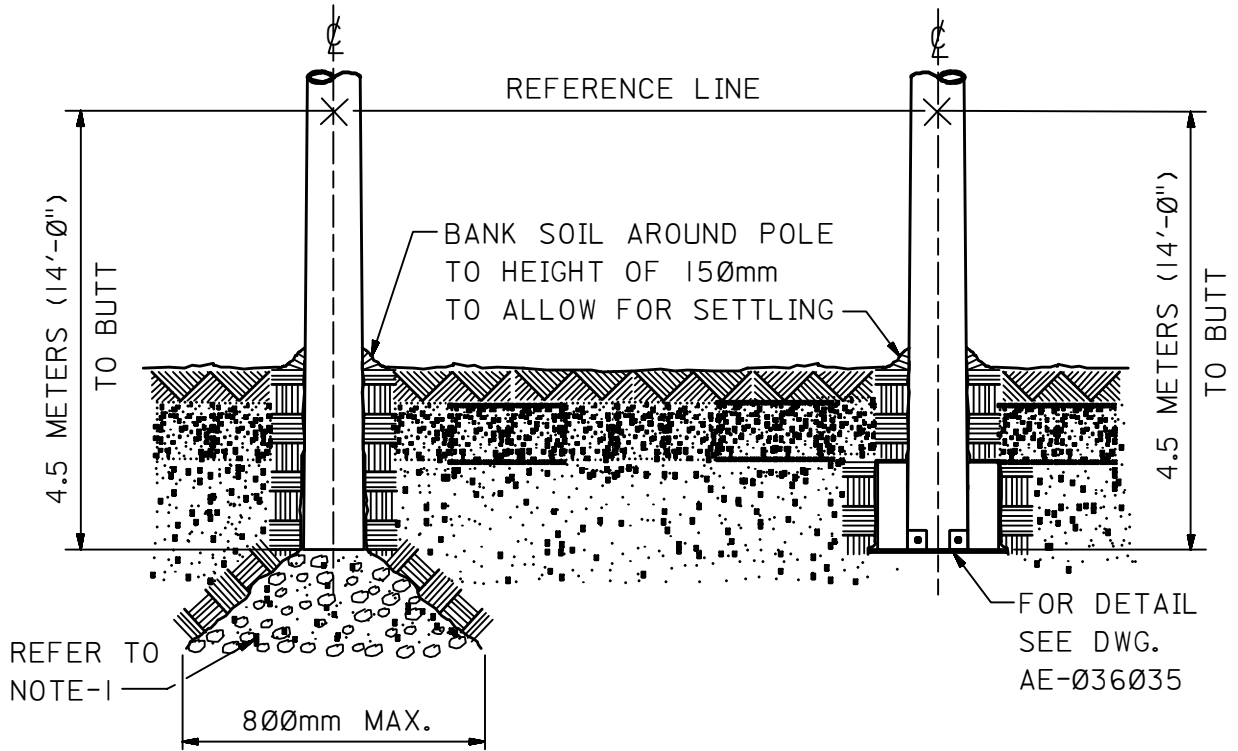


FIGURE-1

FIGURE-2

ALLOWABLE BEARING STRENGTH OF SOILS

PROBE TABLE		MATERIAL	KPa (#/SQ. FT.)	
MM(IN)	LBS.			
2,500mm(100)	200	MUCK IN SWAMP AREAS (SUBKHAH)	25	(500)
5,000mm(200)	300	SOFT CLAY OR FINE SAND	200	(4,000)
10,000mm(400)	500	COMPACT GRAVEL OR SAND-GRAVEL MIXTURE	1,000	(20,000)
OVER 12700MM(500)		HARD PAN OR BROKEN BEDROCK	2,000	(40,000)

NOTES:

1. USE A 380(15") TO 460mm(18") FILL OF 50(2") TO 75mm(3") DIAMETER FIELD STONE AND COARSE GRAVEL OR CRUSHED ROCK, WHERE THE BOTTOM OF THE HOLE IS FIRM ENOUGH TO HOLD STONE IN PLACE.
2. THE ABOVE VALUES PROVIDE FOR BEARING WITH REASONABLE SETTLEMENT. WHERE SETTLEMENT CANNOT BE TOLERATED, THESE VALUES SHALL BE REDUCED BY ONE HALF.
3. EITHER METRIC OR IMPERIAL MEASUREMENTS MAY BE USED FOR CONSTRUCTION.

MANDATORY DRAWING

DRAWING TITLE		PLANT NO.	INDEX	DRAWING NO.	SHT. NO.	REV. NO.
POLE FOOTING INCREASED BEARING AREA		990	P	AE-036034	001	02
STD. DWG.		J0/EW0-				