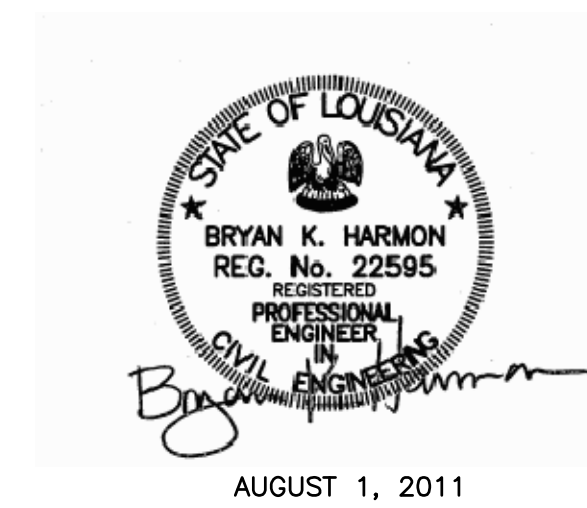


FOR INFORMATION PURPOSES ONLY

NOTES:

1. SIZE OF MAIN SERVICE, AUTOMATIC TRANSFER SWITCH, VFD, CONDUCTORS, MOTOR STARTERS, CTS, MOTOR CIRCUIT BREAKER (MCB) AND CIRCUIT BREAKERS ARE TO BE DETERMINED BY HORSEPOWER ON PUMP SELECTION. SEE TABLE 805-09 FOR COMPONENT SIZING.
2. COORDINATE TRANSFORMER AND BREAKER SIZES ON CONNECTED LOAD, GENERATOR JACKET WATER HEATER AND AIR CONDITIONER.
3. VERIFY AVAILABLE SHORT CIRCUIT CURRENT WITH SERVING ELECTRICAL UTILITY.
4. PROVIDE MOTOR CONTROLS TYPICAL OF PUMP NO.1 AND NO.2 FOR TRIPLEX PUMP STATIONS.
5. THE DRAWING SHOWS PUMP STATION WITH FIXED SPEED PUMPS. FIXED SPEED PUMP CONTROLS ARE SHOWN ON DRAWING 805-08. FOR PUMP STATIONS WITH VARIABLE SPEED PUMPS, PROVIDE VARIABLE FREQUENCY DRIVE PUMP CONTROLS AS SHOWN ON DRAWING 805-06.
6. FOR PUMP STATIONS WITH VARIABLE SPEED PUMPS, PROVIDE AIR CONDITIONING TO REMOVE HEAT GENERATED BY VARIABLE FREQUENCY DRIVE.

THREE LINE POWER DIAGRAM



STANDARD PLAN NO. 805-09	DATED AUGUST 1, 2011	SHEET NO. 1 OF 2
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**THREE LINE POWER DIAGRAM
(TYPE I STATION)**

ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE			
DESIGNED A. SCHULZE	DRAWN G. VANNICE	CHECKED R. WRIGHT	APPROVED B. HARMON

DATE	DESCRIPTION	BY
	REVISIONS	