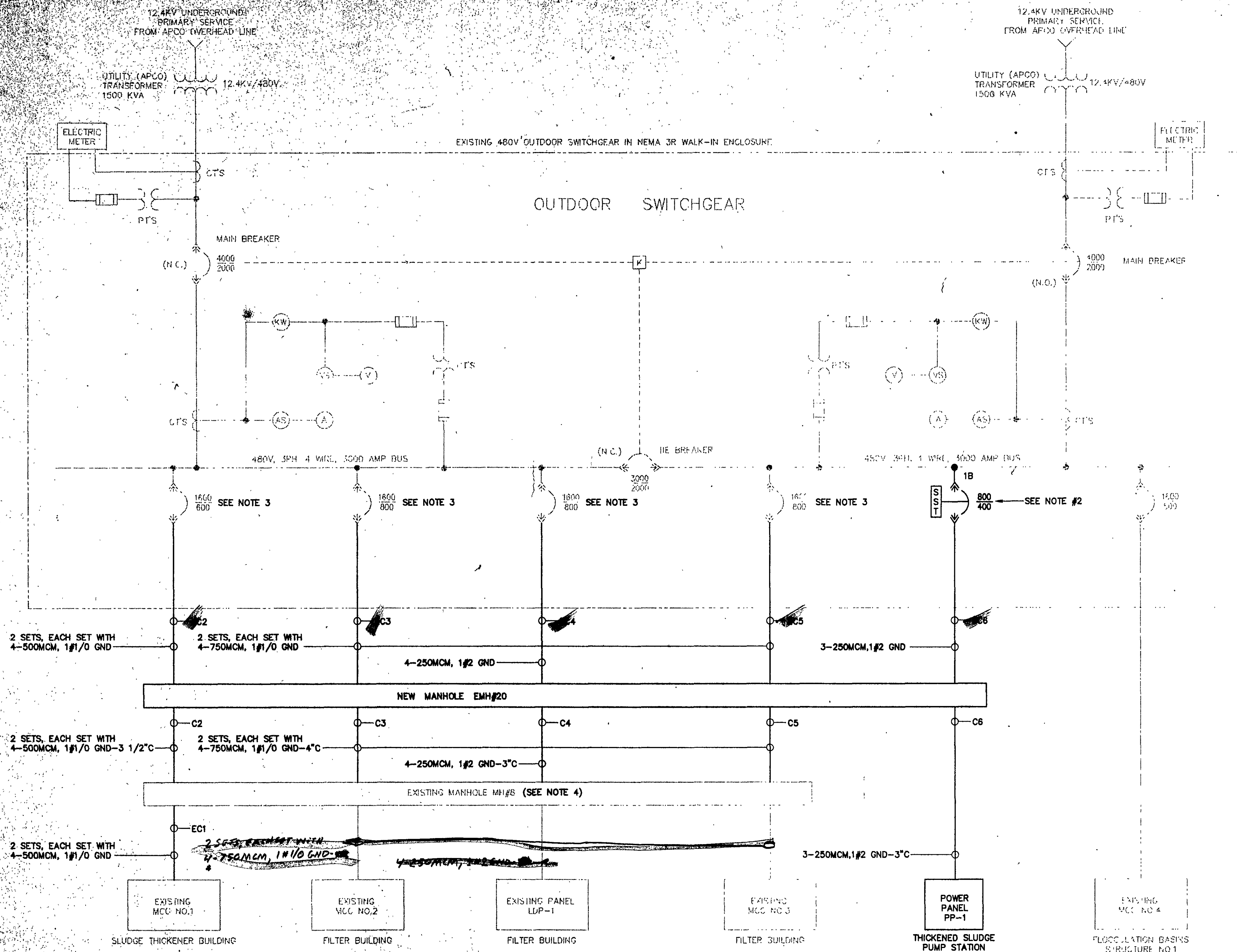




480V OUTDOOR SWITCHGEAR - ONE LINE DIAGRAM

NOTES:

1. CONTRACTOR SHALL UTILIZE SPACE IN EXISTING SWITCHGEAR (EQUIP SPACE AS REQUIRED) AND INSTALL A NEW CIRCUIT BREAKER FOR FEEDER TO THICKENED SLUDGE PUMP STATION.
2. EQUIP NEW 800 AMP FRAME BREAKER WITH A 225 AMP PLUG. NEW BREAKER TO HAVE AN INTERRUPTING RATING OF 200 KA RMS SYMM.
3. ADJUST SETTINGS OF EXISTING BREAKER TO MATCH AMPACITY OF NEW FEEDER.
4. SPlice AND RECONNECT EXISTING FEEDERS WITH NEW CABLES. PROVIDE WEATHERPROOF SPlice-KIT AND INSTALL ELECTRICAL ARC AND FIREPROOFING TAPE FOR ALL CABLES WITHIN EXISTING MANHOLE MH#18.

4. REPLACE EXISTING FEEDERS FOR LDP-1, MCC#2, MCC#3 FROM EXISTING MH#8 TO FILTER BUILDING

EXISTING 480V SWITCHGEAR, G.E. TYPE AKD-5 IN NEMA 3R WALK-IN ENCLOSURE.		MCC NO. 2		SPACE	SPACE	SPACE	150 MW	AUX. COMP.
1600/800	1800/800	1600/800	1800/800	1600/800	1800/800	1600/800	1800/800	
2 SETS, EACH SET WITH 4-500MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	2 SETS, EACH SET WITH 4-750MCM, 1#1/0 GND	
EXISTING MCC NO. 1	EXISTING MCC NO. 2	EXISTING MCC NO. 3	EXISTING MCC NO. 4	EXISTING MCC NO. 5	EXISTING MCC NO. 6	EXISTING MCC NO. 7	EXISTING MCC NO. 8	
SLUDGE THICKENER BUILDING	FILTER BUILDING	FILTER BUILDING	FILTER BUILDING	THICKENED SLUDGE PUMP STATION	FLOCCULATION BASINS STRUCTURE NO. 1			

FRONT VIEW

MODIFICATIONS TO EXISTING 480V OUTDOOR SWITCHGEAR
N.T.S.

RECORD DRAWINGS