

NOTES

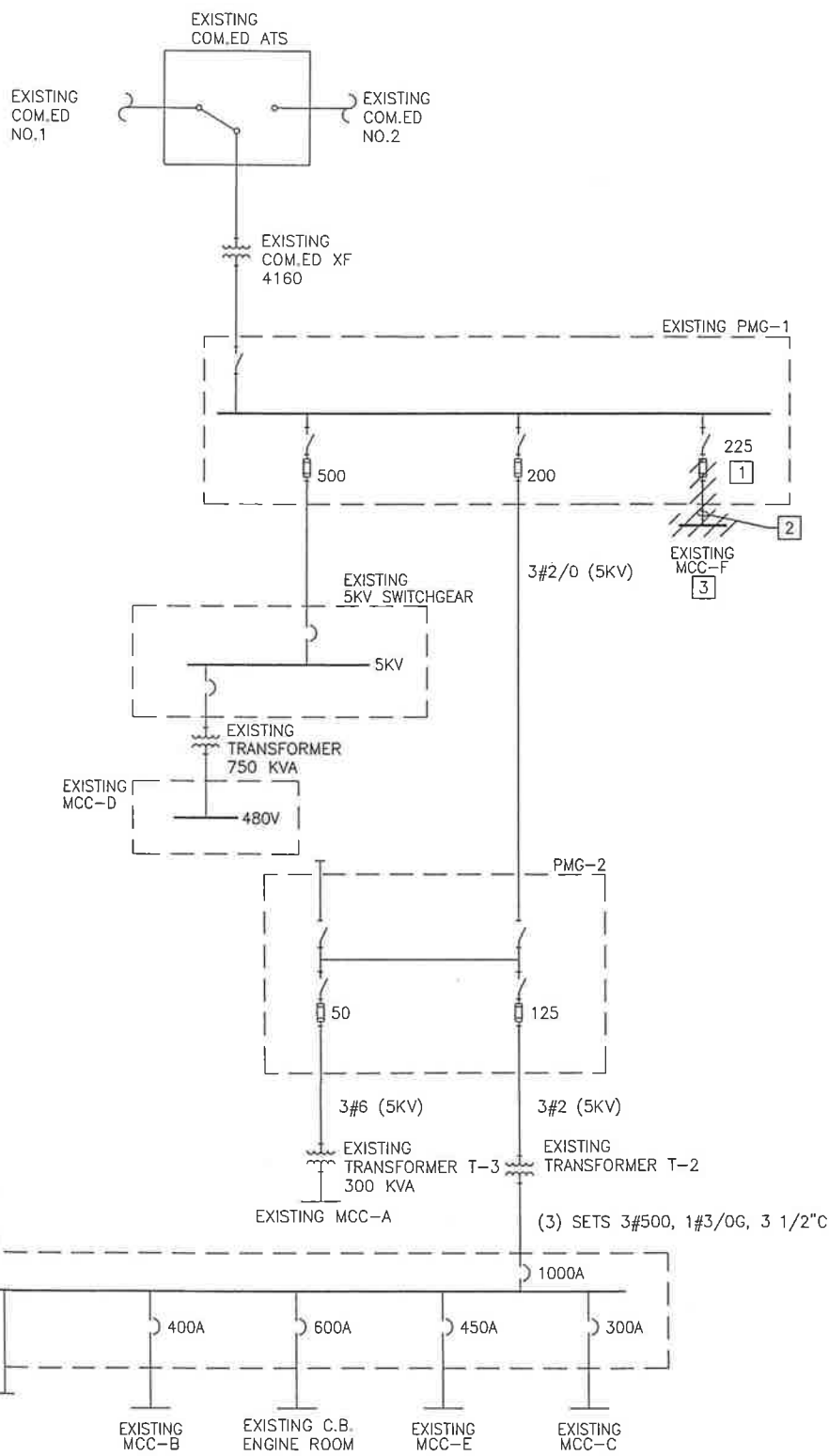
1. NOT ALL LOADS ARE SHOWN IN ONE-LINE DIAGRAMS. ONLY LOADS SERVED BY A 100A OR LARGER BREAKER ARE SHOWN.
2. ALL BREAKERS ARE 3 POLE BREAKERS UNLESS NOTED OTHERWISE.

# DEMOLITION KEYNOTES

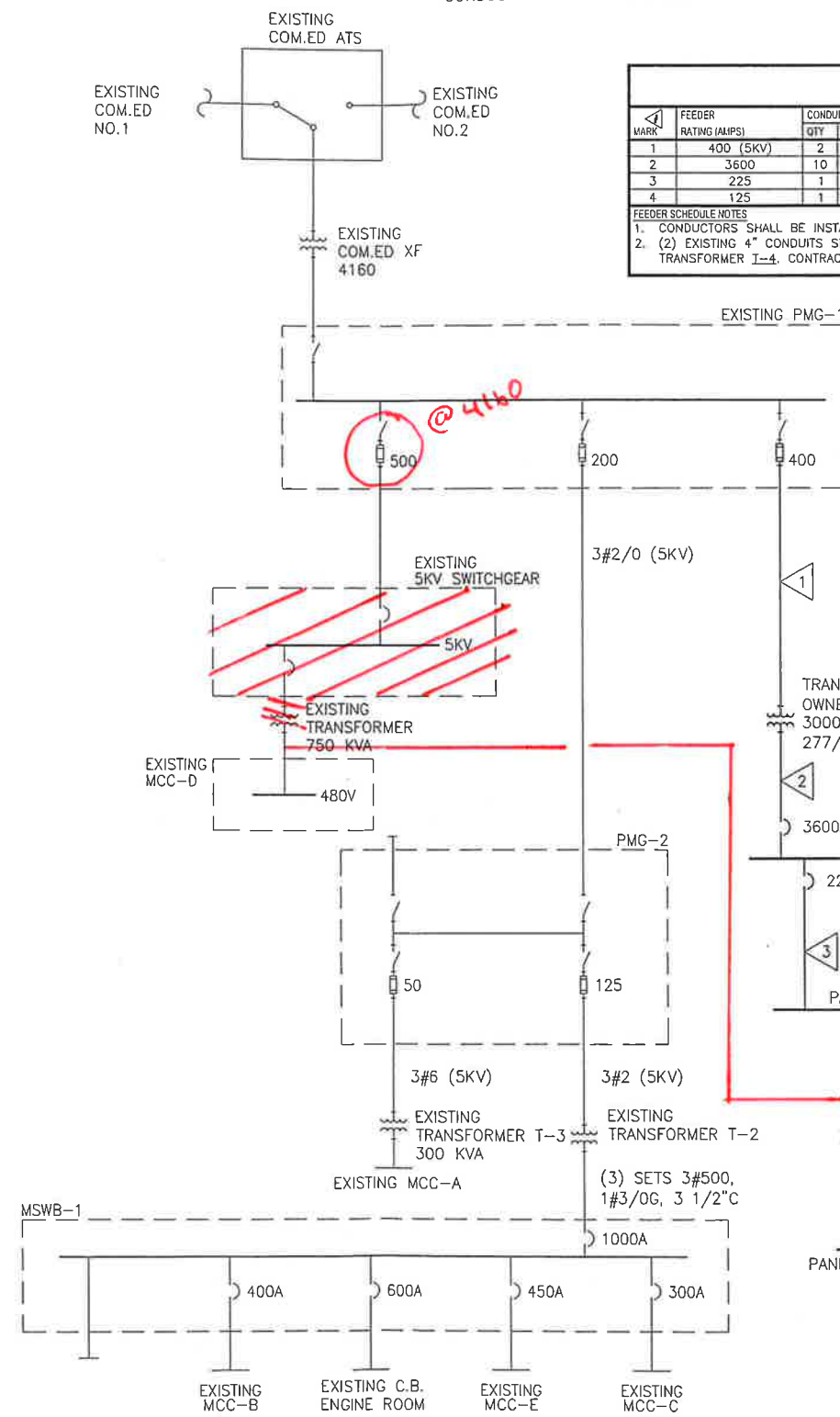
1. REMOVE EXISTING FUSES FROM FEEDER BAY.
2. DISCONNECT AND REMOVE EXISTING 5KV CONDUCTORS BETWEEN MCC-F AND PMG-1. EXISTING CONDUIT SHALL REMAIN AND BE REUSED.
3. DISCONNECT AND REMOVE EXISTING 5KV MCC-F.

# KEYNOTES

1. 36" X 4" X 1/4" COPPER GROUND BUS.
2. GROUND RING CONSISTING OF (4) 3/4" X 10' LONG COPPER CLAD STEEL GROUND RODS INTERCONNECTED BY #3/0 BARE COPPER CONDUCTOR EXOTHERMICALLY WELDED TO GROUND RODS.
3. TO BUILDING STEEL. EXOTHERMICALLY WELD CONDUCTOR TO BUILDING STEEL.
4. BRANCH CIRCUITS-SIZE VARIES. EQUIPMENT GROUNDING CONDUCTOR INSTALLED IN CONDUIT WITH PHASE CONDUCTORS.
5. DO NOT BOND GROUND BUS TO NEUTRAL BUS.
6. TO UNDERGROUND METAL WATER PIPE, CONNECTION TO PIPE SHALL BE BY A LISTED GROUND CLAMP.
7. EQUIPMENT GROUND CONDUCTOR INSTALLED IN CONDUIT WITH PHASE CONDUCTORS BACK TO PMG-1. SEE FEEDER SCHEDULE FOR SIZE.
8. NEUTRAL CONDUCTOR INSTALLED IN CONDUIT WITH PHASE CONDUCTORS. SEE FEEDER SCHEDULE FOR SIZE.



1 DEMOLITION POWER ONE-LINE DIAGRAM  
NO SCALE



2 POWER ONE-LINE DIAGRAM  
NO SCALE

FEEDER SCHEDULE

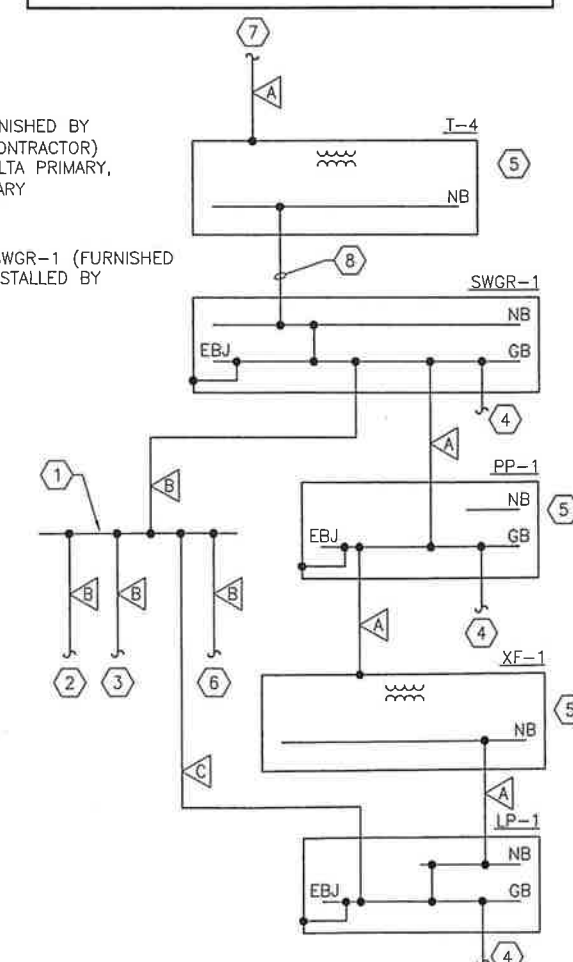
MARK	FEEDER RATING (AMPS)	CONDUIT		CONDUCTOR		GROUND		NOTES
		QTY	SIZE	SETS	NO. PER SET	SIZE	SIZE	
1	400 (5KV)	2	4"	NOTE 2	2	3	3/0 (5KV)	3
2	3600	10	4"	NOTE 1	10	4	600	--
3	225	1	2.5"	RGS	1	4	4/0	4
4	125	1	1.5"	RGS	1	4	1	6

FEEDER SCHEDULE NOTES  
 1. CONDUCTORS SHALL BE INSTALLED IN CONCRETE ENCASED DUCTBANK.  
 2. (2) EXISTING 4" CONDUITS SHALL BE INTERCEPTED UNDERGROUND AND EXTENDED UP TO TRANSFORMER T-4. CONTRACTOR SHALL PROVIDE 4" RGS CONDUIT AS REQUIRED TO EXTEND CONDUITS.

GROUND SCHEDULE

MARK	CONDUIT		CONDUCTOR		NOTES
	SIZE	TYPE	SIZE	NOTES	
A	1"	PVC	3/0	1	
B	1"	PVC	6		
C	1"	PVC			

GROUND SCHEDULE NOTES  
 1. SEE FEEDER SCHEDULE



3 GROUNDING ONE-LINE DIAGRAM  
NO SCALE

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PROJECT TITLE  
CITY OF JOLIET, IL  
EASTSIDE WWTP  
BLOWER AND FINE BUBBLE  
AERATION EQUIPMENT  
REPLACEMENT

DESIGNED BY: JJF  
DRAWN BY: JJF  
CHECKED BY: MLS  
DATE CHECKED: 11/11  
NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DRAWING TITLE  
ONE-LINE DIAGRAMS

PROJECT No.  
J0020690  
DRAWING No.  
E-301  
DRG 26 OF 43 DRGS

FOR CONSTRUCTION