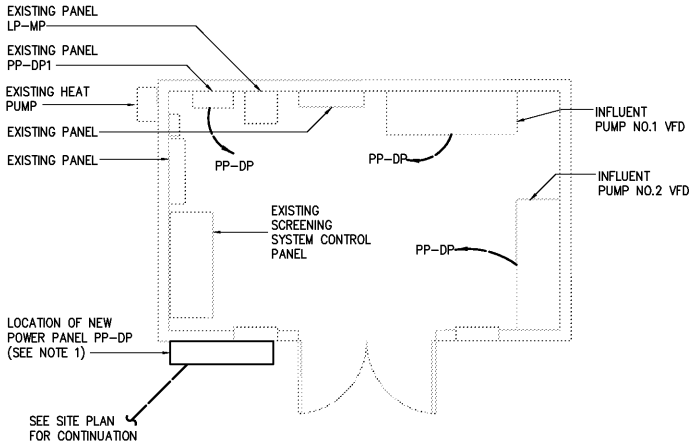
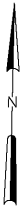


NOTES:

1 THE EXISTING ELECTRICAL BUILDING CONTAINS THE EXISTING VFDs FOR THE EXISTING SUBMERSIBLE INFLUENT PUMPS. THE EXISTING SUBMERSIBLE INFLUENT PUMPS ARE TO REMAIN IN SERVICE DURING AND AFTER THE NEW PRELIMINARY TREATMENT FACILITY IS CONSTRUCTED. THE EXISTING INFLUENT PUMP VFDs AND THE EXISTING POWER PANEL PP-DP1 WILL BE SUPPLIED FROM THE NEW POWER PANEL PP-DP. ALL EQUIPMENT (INCLUDING THE SCREENINGS SYSTEM) LOCATED INSIDE THE EXISTING ELECTRICAL BUILDING SHALL REMAIN IN SERVICE DURING THE CONSTRUCTION OF THE PRELIMINARY TREATMENT FACILITY.



EXISTING ELECTRICAL BUILDING - PLAN

1/4"=1'-0"

CONDUIT AND WIRE LEGEND (NUMBERS REFERENCE THIS SHEET ONLY)	
NO.	DESCRIPTION
1	3#350kcmil, #4G, 3"C
2	2(3#4/O, #2G, 2"C)

480 VOLTS 3Ø, 3 WIRE		PP-DP										TYPE: MOUNT: SURFACE			
		MAIN BKR 800 A 3 P													
DESCRIPTION	WIRE	CKT BKR			VOLT AMPERE			VOLT AMPERE			CKT BKR			WIRE	DESCRIPTION
		TRIP	POLE	NO	#A	#B	#C	#A	#B	#C	NO	POLE	TRIP		
PP-DP1	1	225	3	1 3 5	60000		60000 60000				2 4 6	3	225	1	SPARE
INFLUENT PUMP NO.1 VFD	2	400	3	7 9 11	100,000		100,000 100,000	100,000		100,000	8 10 12	3	400	2	INFLUENT PUMP NO.2 VFD
SPARE	1	400	3	13 15 17							14 16 18	3	225	1	SPARE
	1		3	19 21 23							20 22 24	3		1	
	1		3	25 27 29							26 28 30	3		1	
NEMA 3R		TOTAL			160000	160000	160000	100000	100000	100000	TOTAL				
					PHASE TOTAL			TOTAL LOAD							
					260000	260000	260000	780000							

				DESIGNED	BRL
				DRAWN	BRL
				CHECKED	
	RECORD DRAWINGS	MAR 2008	RLT	PROJ. ENGR.	DAN
	CONSTRUCTION	MAR 2004	RLT		
	REGULATORY APPROVAL	NOV 2003	RLT		
	PRELIMINARY DESIGN	NOV 2002	RLT		
NO.	ISSUED FOR	DATE	BY	APPROVED	

RECORD DRAWING	
THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769	THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER.
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CITY OF ROANOKE VIRGINIA
REGIONAL WATER POLLUTION CONTROL PLANT WET WEATHER IMPROVEMENTS

EXISTING ELECTRICAL BUILDING ELECTRICAL PLANS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE JULY 2003
	H & S JOB NUMBER 30788A
	CONTRACT NUMBER A
	DRAWING NUMBER E22