



NOTES:

- THE NEW 15KV CONDUCTORS FROM THE NEW ELECTRIC UTILITY TRANSFORMERS TX-3 AND TX-4 SHALL BE SPliced TO THE EXISTING 15KV CONDUCTORS SUPPLYING THE EXISTING UTILITY TRANSFORMERS AS INDICATED ON THIS DRAWING. THE SPLICE SHALL BE FURNISHED AND INSTALLED BY THE ELECTRIC UTILITY INSIDE THE EXISTING 15KV MANHOLE. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THIS SPLICE WITH THE OWNER AND THE ELECTRIC UTILITY. THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY POWER SOURCE (I.E. GENERATOR) CONNECTED TO THE EXISTING NEMA 3R WALK-IN SWITCHGEAR SG-1 DURING THE INSTALLATION OF THE SPLICE AS DESCRIBED IN SPECIFICATION SECTION 01520. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRE AND CONDUIT NECESSARY TO CONNECT THE TEMPORARY POWER SOURCE TO SG-1. THE TEMPORARY POWER SOURCE SHALL BE SIZED TO OPERATE THE REQUIRED LOADS CONNECTED TO SG-1 AS DIRECTED BY THE OWNER.
- THE CONTRACTOR SHALL CONNECT THE NEW CONDUCTORS IN DUCTBANK 16A TO THE EXISTING OVERHEAD CONDUCTORS AT THIS EXISTING POWER POLE
- THE CONTRACTOR SHALL FURNISH AND INSTALL THIS DUCTBANK AT ELEVATION 897.00. THE CONTRACTOR SHALL REFERENCE SECTION 01520 FOR INFORMATION REGARDING THE INSTALLATION OF THE FILTER BACKWASH RECLAIM PIPE IN THIS AREA.

DUCTBANK CONDUIT AND WIRE	
NO.	DESCRIPTION
14	3(3#12, #12G, 1" C) 72#14, #14G, 2" C 1-2" SP.C.
15	3#350kcmil, #4G, 3" C 10#14, #14G, 1" C 1-3" SP.C.
16	3(3#8, 2#12, 4#14, #10G, 1" C) 5(2#12, #12G, 1" C) 5(3#12, #12G, 1" C) 24#14, #14G, 2" C 9(4#14, #14G, 1" C) 3(6#14, #14G, 1" C) 1-CABLE BY SUPPLIER, 1" C 2(2-TPS, 1" C) 4-1" SP.C. 2-2" SP.C.
17	2(2#12, #12G, 1" C) 3#12, #12G, 1" C 2(6#14, #14G, 1" C) 5#12, 4#14, #12G, 1" C 4#14, #14G, 1" C 2-1" SP.C.
18	4(3#500kcmil, #4/0G, 4" C) 1-4" SP.C.
19	3(3#350kcmil, #3/0G, 4" C) 2-4" SP.C.
20	4(3#500kcmil, #3G, 4" C) 10(10#14, #14G, 1" C) 11(2-TPS, 1" C) 5(3#1/0, #6G, 2" C) 4(3#12, #12G, 1" C) 2-CABLE BY SUPPLIER, 1" C 10(4#14, #14G, 1" C) 6(2#12, #12G, 1" C) 4(12#14, #14G, 1" C) 4-2" SP.C. 2-4" SP.C. 4-1" SP.C.
21	9(3#500kcmil, #500kcmilG, 4" C) 3-4" SP.C.
22	3#350 kcmil, #4G, 3" C 1-3" SP.C.
23	CABLE BY INSTRUMENTATION SUBCONTRACTOR, 2" C
24	30-1" SP.C.
25	3#12, #12G, 1" C 12#14, #14G, 1" C
25B	3#8, #8G, 1" C

KEY PLAN

				DESIGNED	BRL	<p>THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769</p> <p>THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY RONALD L. TAYLOR, SEAL NO. 024649</p>	<p>RECORD DRAWING</p> <p>THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER. THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY GERALD J. RATASKY, 026535. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.</p>	<p>Hazen and Sawyer Environmental Engineers & Scientists 4011 WestChase Blvd, Raleigh, North Carolina 27607</p>	<p>CITY OF ROANOKE VIRGINIA</p> <p>REGIONAL WATER POLLUTION CONTROL PLANT WET WEATHER IMPROVEMENTS</p>	<p>SITE PLAN ELECTRICAL PARTIAL SITE PLAN</p>	<p>THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.</p> <p>DATE JULY 2003</p> <table><tr><td>H & S JOB NUMBER</td><td>30788A</td></tr><tr><td>CONTRACT NUMBER</td><td>DRAWING NUMBER</td></tr><tr><td>A</td><td>E11</td></tr></table>	H & S JOB NUMBER	30788A	CONTRACT NUMBER	DRAWING NUMBER	A	E11
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A	E11																
				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													