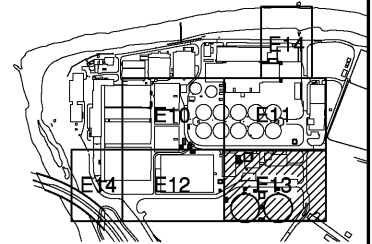


NOTES:

1 THE CONTRACTOR SHALL FURNISH AND INSTALL THE UNDERGROUND RACEWAY SYSTEM FOR THE ELECTRIC UTILITY 15KV PRIMARY CONDUCTORS. THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL THE CONCRETE TRANSFORMER PAD AS REQUIRED BY THE ELECTRIC UTILITY. ALL DUCTBANKS, MANHOLES, AND TRANSFORMER PADS FOR ELECTRIC UTILITY SHALL BE INSTALLED PER THE ELECTRIC UTILITY SPECIFICATIONS.

DUCTBANK CONDUIT AND WIRE	
NO.	DESCRIPTION
44	1(4#14, #14G, 1" C) 1(3#6, #8G, 1" C) 1(2-TPS, #14G, 1" C) 1(12#14, #14G, 1" C) 1(6#14, #14G, 1" C) 2-1" SP.C.
45	2(5#12, 4#14, #12G, 1" C) 1(2#12, #12G, 1" C) 2(8#14, #14G, 1" C) 1(2#12, #12G, 1" C) 1(6#14, #14G, 1" C) 1(2-TPS, #14G, 1" C) 1(4#14, #14G, 1" C) 3-1" SP.C.
46	4(6#14, #14G, 1" C) 3(3#1/0, #4G, 2" C) 3(12#14, #14G, 1" C) 3(2-TPS, #14G, 1" C) 1(2#12, #12G, 1" C) 2(3#12, #12G, 1" C) 4-1" SP.C.
47	2(3#12, #12G, 1" C) 1(2#12, #12G, 1" C) 2(12#14, #14G, 1" C) 2(2-TPS, 1" C) 1(6#14, #14G, 1" C) 4-1" SP.C.
48	1(3#12, #12G, 1" C) 1(12#14, #14G, 1" C) 1-1" SP.C.
49	1(3#12, #12G, 1" C) 2(12#14, #14G, 1" C) 1-1" SP.C.
50	NOT USED
51	5(3#500kcmil, #250kcmilG, 4" C) 2-4" SP.C.
52	4-5" SP.C. (WIRE BY ELECTRIC UTILITY)
53	1(3#12, #12G, 1" C) 2(12#14, #14G, 1" C) 1-1" SP.C.
54	CABLE BY INSTRUMENTATION SUBCONTRACTOR, 3" C 2-2" SP.C. 1-4" SP.C.
55	CABLE BY INSTRUMENTATION SUBCONTRACTOR, 3" C 1-2" SP.C.
56	2-2" SP.C.
57	2-1" SP.C.
58	3#12, #12G, 1" C 1-1" SP.C.
59	2#12, #12G, 1" C 1-1" SP.C.
60	10#14, #14G, 1" C 1-1" SP.C.
61	3(3#350kcmil, #3/0G, 3" C) 1-3" SP.C.

1617002
FURNISH AND INSTALL FENCE GROUNDING SYSTEM PER STANDARD DETAIL 1617002



<table><tr><td>3</td><td>ADDITIONAL 1</td><td>APRIL 2004</td><td>RLT</td></tr><tr><td>2</td><td>CONSTRUCTION</td><td>MAR 2004</td><td>RLT</td></tr><tr><td>1</td><td>REGULATORY APPROVAL</td><td>NOV 2003</td><td>RLT</td></tr><tr><td>NO.</td><td>ISSUED FOR</td><td>DATE</td><td>BY</td></tr></table>	3	ADDITIONAL 1	APRIL 2004	RLT	2	CONSTRUCTION	MAR 2004	RLT	1	REGULATORY APPROVAL	NOV 2003	RLT	NO.	ISSUED FOR	DATE	BY	<table><tr><td>DESIGNED</td><td>BRL</td></tr><tr><td>DRAWN</td><td>BRL</td></tr><tr><td>CHECKED</td><td></td></tr><tr><td>PROJ. ENGR.</td><td>DAN</td></tr><tr><td>APPROVED</td><td></td></tr></table>	DESIGNED	BRL	DRAWN	BRL	CHECKED		PROJ. ENGR.	DAN	APPROVED		<p>THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769</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>THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY RONALD L. TAYLOR, SEAL NO. 024649</p>	<p>RECORD DRAWING</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 PROCESS TRAIN IMPROVEMENTS</p>	<p>SITE PLAN ELECTRICAL PARTIAL SITE PLAN</p>	<table><tr><td>THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.</td><td>DATE</td><td>MARCH 2004</td></tr><tr><td></td><td>H & S JOB NUMBER</td><td>30788B</td></tr><tr><td></td><td>CONTRACT NUMBER</td><td>B</td></tr><tr><td></td><td>DRAWING NUMBER</td><td>E13</td></tr></table>	THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE	MARCH 2004		H & S JOB NUMBER	30788B		CONTRACT NUMBER	B		DRAWING NUMBER	E13
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