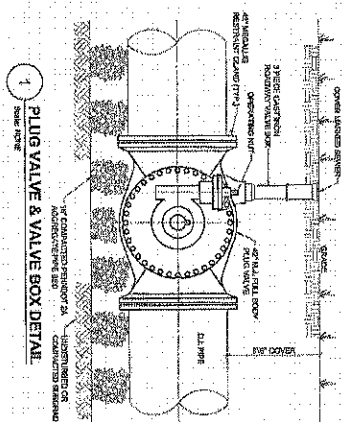
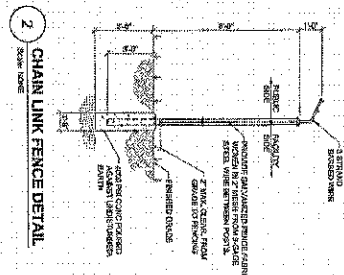


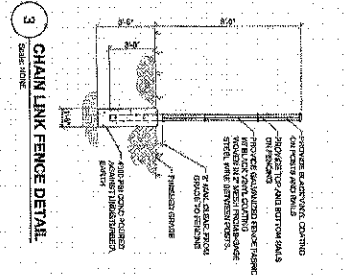
Reading Engineering - Pictet, Inc. 4 South Second Street, Reading, PA 19601-4602
 Pictet, Inc. 4 South Second Street, Reading, PA 19601-4602
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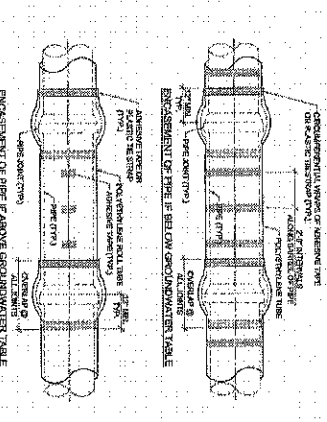
1 PLUG VALVE & VALVE BOX DETAIL
 Scale: 1/2\"/>



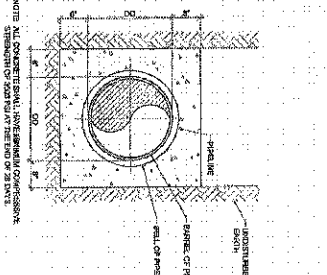
2 CHAIN LINK FENCE DETAIL
 Scale: 1/2\"/>



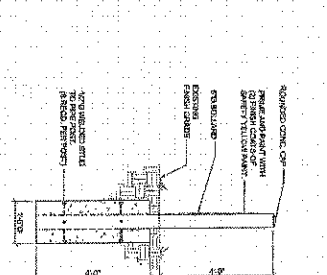
3 CHAIN LINK FENCE DETAIL
 Scale: 1/2\"/>



4 POLYETHYLENE ENCASED PIPING DETAIL
 Scale: 1/2\"/>



5 CONCRETE ENCASEMENT DETAIL
 Scale: 1/2\"/>



6 EXTERIOR BOLLARD DETAIL
 Scale: 1/2\"/>

PIPE RESTRAINT SCHEDULE

LENGTH OF PIPE RESTRAINTS (L)			TYPE OF JOINT			
PIPE SIZE	SOIL TYPE	DEPTH	TYPE	ENDS	END WALLS	JOINTS
18"	TO	24"	1"	2"	2"	2"
24"	TO	30"	1 1/2"	3"	3"	3"
30"	TO	36"	2"	4"	4"	4"
36"	TO	42"	2 1/2"	5"	5"	5"
42"	TO	48"	3"	6"	6"	6"
48"	TO	54"	3 1/2"	7"	7"	7"
54"	TO	60"	4"	8"	8"	8"
60"	TO	66"	4 1/2"	9"	9"	9"
66"	TO	72"	5"	10"	10"	10"
72"	TO	78"	5 1/2"	11"	11"	11"
78"	TO	84"	6"	12"	12"	12"
84"	TO	90"	6 1/2"	13"	13"	13"
90"	TO	96"	7"	14"	14"	14"
96"	TO	102"	7 1/2"	15"	15"	15"
102"	TO	108"	8"	16"	16"	16"
108"	TO	114"	8 1/2"	17"	17"	17"
114"	TO	120"	9"	18"	18"	18"

NOTE: RESTRAINT SCHEDULE IS FOR USE IN DESIGN OF RESTRAINTS ONLY. RESTRAINTS SHALL BE DESIGNED TO RESIST ALL DESIGN LOADS AND SHALL BE INSTALLED AS SHOWN.

GENERAL SHEET NOTES
 1. REFER TO DRAWING FOR GENERAL PROJECT NOTES.
 2. REFER TO GENERAL CONDITIONS, SPECIFICATIONS, AND PERMITS.

<p>C-501</p>	<p>CITY OF READING READING, BERKS COUNTY, PENNSYLVANIA 42-INCH FORCE MAIN - 8TH & CANAL PS TO ANGELICA CREEK CITY OF READING PROJECT #2001-12 CIVIL CONSTRUCTION DETAILS</p>	<p>RECORD DRAWING PREPARED BY PACT CONSTRUCTION AS BUILT DATE: 06/11/2014</p>	<p>ENTECH ENGINEERING 1 866 855 4403 www.entecheng.com Reading, Pennsylvania 610 871 7970 Philadelphia, Pennsylvania 215 261 5600 Pittsburgh, Pennsylvania 412 771 1000</p>
<p>DATE: 06/11/2014</p>		<p>6ND APPD</p>	<p>RECORD REVISIONS ISOLD FOR APPROVED</p>