



6. FOR GENERAL NOTES, ETC., SEE F.S. #1
 5. SPRING PILOT DIAPHRAGM VALVES PNEUMATICALLY OPERATED FROM A-302 PACKAGE SHOWN ON F.S. #17.

<p>LEGEND</p> <p>COOLING WATER SUPPLY (OLYCOL-17A)</p> <p>COOLING WATER RETURN (OLYCOL-17B)</p> <p>60-110 S. STEAM</p> <p>100 S. STEAM (INTERMEDIATE PRESS.)</p> <p>60 S. I.P. STEAM</p>	<p>154 DESUPERHEATED STEAM</p> <p>POULABLE WATER</p> <p>PLANT AIR</p> <p>INSTRUMENT AIR</p>	<p>STEAM CONDENSATE</p> <p>TREATED WATER</p> <p>FIRE OIL (BURNING)</p> <p>FIRE GAS (NATURAL GAS)</p> <p>CLEAN WATER SEWER</p>	<p>ONLY OR DIRTY WATER SEWER</p> <p>SEWAGE WASTES</p> <p>PURGE GAS (NITROGEN)</p> <p>BLOWDOWN</p> <p>FLARE</p> <p>TO ATMOSPHERE</p>	<p>PUMP/OUT</p> <p>PURGE GAS (NITROGEN)</p> <p>BLOWDOWN</p> <p>FLARE</p> <p>TO ATMOSPHERE</p>	<p>CRD START-UP GAS</p> <p>PIPELINE GAS (NAT. GAS)</p> <p>PROCESS CONDENSATE</p> <p>RAW WATER</p> <p>FUEL GAS (STRETFORD)</p> <p>SOOR WATER</p> <p>PRESSURIZATION AIR</p>	<p>#15 STEAM CONDENSATE</p>			
<p>ITEM NO. P-301A</p> <p>SERVICE TREATED WATER PUMP</p> <p>S.O. AT RT. 1.0</p> <p>DES. G.P.M. AT FT. 554</p> <p>DES. DIFF. P.S.I. 102</p> <p>MAX. DISCH. P.S.I.G. 150</p> <p>MATERIAL 304</p> <p>INSULATION NI</p>	<p>ITEM NO. P-301B</p> <p>SERVICE SPARE FOR P-301A</p> <p>S.O. AT RT. 1.0</p> <p>DES. G.P.M. AT FT. 554</p> <p>DES. DIFF. P.S.I. 102</p> <p>MAX. DISCH. P.S.I.G. 150</p> <p>MATERIAL 304</p> <p>INSULATION NI</p>	<p>ITEM NO. P-305</p> <p>SERVICE CALUSTIC REGEN. PUMP</p> <p>S.O. AT RT. 7</p> <p>DES. G.P.M. AT FT. 7</p> <p>DES. DIFF. P.S.I. 100</p> <p>MAX. DISCH. P.S.I.G. 100</p> <p>MATERIAL 304</p> <p>INSULATION NI</p>	<p>ITEM NO. P-306</p> <p>SERVICE ACID REGEN. PUMP</p> <p>S.O. AT RT. 7</p> <p>DES. G.P.M. AT FT. 7</p> <p>DES. DIFF. P.S.I. 100</p> <p>MAX. DISCH. P.S.I.G. 100</p> <p>MATERIAL 304</p> <p>INSULATION NI</p>	<p>ITEM NO. P-307</p> <p>SERVICE NEUT. ACID PUMP</p> <p>S.O. AT RT. 7</p> <p>DES. G.P.M. AT FT. 7</p> <p>DES. DIFF. P.S.I. 100</p> <p>MAX. DISCH. P.S.I.G. 100</p> <p>MATERIAL 304</p> <p>INSULATION NI</p>	<p>ITEM NO. P-308</p> <p>SERVICE NEUT. CAUSTIC PUMP</p> <p>S.O. AT RT. 7</p> <p>DES. G.P.M. AT FT. 7</p> <p>DES. DIFF. P.S.I. 100</p> <p>MAX. DISCH. P.S.I.G. 100</p> <p>MATERIAL 304</p> <p>INSULATION NI</p>	<p>ITEM NO. D-302</p> <p>SERVICE ACID STORAGE TANK</p> <p>SIZE 6'-0" X 13'-0"</p> <p>DES. PRESS. TEMP. 50 PSIG / 120° F</p> <p>OPER. PRESS. TEMP. ATM / 120° F</p> <p>MATERIAL CS</p> <p>INSULATION HC</p>	<p>ITEM NO. D-303</p> <p>SERVICE ACID STORAGE TANK</p> <p>SIZE 6'-0" X 13'-0"</p> <p>DES. PRESS. TEMP. 50 PSIG / 120° F</p> <p>OPER. PRESS. TEMP. ATM / 120° F</p> <p>MATERIAL CS</p> <p>INSULATION NI</p>	<p>ITEM NO. TK-307</p> <p>SERVICE TREATED WATER TANK</p> <p>SIZE 15'-0" X 3'-9"</p> <p>DES. PRESS. TEMP. ATM / 150° F</p> <p>OPER. PRESS. TEMP. ATM / 150° F</p> <p>MATERIAL ALUMINUM</p> <p>INSULATION NI</p>	<p>ITEM NO. TK-308</p> <p>SERVICE NEUTRALIZING TANK</p> <p>SIZE 15'-0" X 3'-9"</p> <p>DES. PRESS. TEMP. ATM / 150° F</p> <p>OPER. PRESS. TEMP. ATM / 150° F</p> <p>MATERIAL PVC</p> <p>INSULATION NI</p>
<p>REVISIONS</p> <p>H 9-5-80 FIELD CHANGE</p> <p>G 10-31-79 AS-BUILT</p> <p>F 3-16-79 FINAL</p> <p>E 07/26/77 GENERAL REVISION</p> <p>D 12-26-77 RELEASED FOR ERECTION</p> <p>C 7/26/77 GENERAL REVISION</p> <p>B 5/19/77 FOR CLIENT COMMENTS</p> <p>A 1/13/77 ISSUED FOR DEFINITIVE ESTIMATE ONLY</p>	<p>PHILADELPHIA GAS WORKS</p> <p>ENGINEERING DEPT. PHILADELPHIA, PA.</p> <p>W.D. PGW DWG. NO. 12-A-183</p> <p>APPROVED</p>	<p>FOSTER WHEELER ENERGY CORPORATION</p> <p>115 SOUTH CHANDLER AVENUE, LIVINGSTON, N.J.</p> <p>AND IS LENT WITHOUT CONSIDERATION OTHER THAN THE PURPOSE FOR WHICH IT IS LOANED. IT SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF FOSTER WHEELER ENERGY CORPORATION.</p>	<p>ENGINEERING FLOW DIAGRAM</p> <p>SECTION 300 SUPPORT FACILITIES</p> <p>TREATED WATER CAUSTIC AND NEUT.</p> <p>60MM SCDP SNG PLANT</p> <p>PHILADELPHIA GAS WORKS</p> <p>PHILADELPHIA PENNSYLVANIA</p> <p>CONTRACT NUMBER 15-1779</p> <p>DWG. NO. 1779-1-50-1</p>						