

AS-BUILT REQUIREMENTS FOR BOTH SEP's and SU's

SYSTEM EXTENSION PROJECTS (SEP) * separate water as-built and separate sewer as-built required*	SITE UTILITY PROJECTS (SU) * separate water as-built and separate sewer as-built required*																																														
<p>1. APPLICANT OR DESIGNATED REPRESENTATIVE IS REQUIRED TO SUBMIT AS-BUILT PACKAGE CONTAINING:</p> <p>A. Three (3) sets of green-line copies of water as-built drawings showing the most current revisions to the drawings and profile including connection permit numbers with the water survey final as-built data as specified below.</p> <p>B. Three (3) sets of red-line copies of sewer as-built drawings showing the most current revisions to the drawings and profile including permit numbers with the sewer survey final as-built data as specified below.</p> <p>C. Three (3) copies of the 'Fire Hydrant Summary' sheet.</p> <p>D. Three (3) copies of the 'Sewer As-Built Data' worksheet.</p> <p>E. One (1) copy of the water and sewer grade notes sheets, including field notes.</p>	<p>* The requirements for both SEP & SU are the same now with the below noted exceptions. *</p> <p>C. NOT NEEDED FOR SITE UTILITY – however property owner may still want it.</p> <p>D. NOT NEEDED FOR SITE UTILITY – however property owner may still want it.</p>																																														
<p>2. REQUIRED ITEMS SHOWN ON THE AS-BUILT PLANS(s):</p> <p>A. All field changes will be shown on as-built drawings.</p> <p>B. Manhole to manhole distances and swing tie measurements shall be carried to the nearest tenth.</p> <p>C. Manhole depths shall be carried to the nearest hundredth.</p> <p>D. The as-built information will be submitted on the most current, revised drawings.</p> <p>E. A 'Registered Surveyor' or Engineer will certify the as-built.</p>	<p>D. Clean-outs to be included</p>																																														
<p>3. PROVIDE A TABLE OF AS-BUILT COORDINATES WHERE SPACE PERMITS ON EVERY SHEET WHERE THERE ARE FITTINGS IN ACCORDANCE WITH NAD 83/91 DATUM FOR: (note - coordinates may be placed on the profile view above each item in lieu of a table.) * See example to the right → → → → → → → → →</p> <p>A. Manholes – new and existing MHs being connected to</p> <p>B. Fire Hydrants</p> <p>C. Water Valves – including water meter vault valves</p>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="background-color: #d9ead3;">FH (A)</td> <td style="text-align: right;">- N: 453601 E: 1336819</td> </tr> <tr> <td>STREET NAME:</td> <td style="text-align: right;">N ENGLEWOOD DR</td> </tr> <tr> <td>FHT TO FHV:</td> <td style="text-align: right;">2'</td> </tr> <tr> <td>FHV TO FH:</td> <td style="text-align: right;">9'</td> </tr> <tr> <td>FHT TO FH:</td> <td style="text-align: right;">11'</td> </tr> <tr> <td>FH BARREL HEIGHT:</td> <td style="text-align: right;">6.5'</td> </tr> <tr> <td>FH MANUFACTURER:</td> <td style="text-align: right;">CLOW</td> </tr> <tr> <td>SIZE OF MAIN:</td> <td style="text-align: right;">8'</td> </tr> <tr> <td style="background-color: #d9ead3;">FHV (A)</td> <td style="text-align: right;">- N: 453592 E: 1336818</td> </tr> <tr> <td>TIES TO:</td> <td></td> </tr> <tr> <td>1 - PEPCO 824392-000010</td> <td style="text-align: right;">36'</td> </tr> <tr> <td>2 - STORM DRAIN =</td> <td style="text-align: right;">26'</td> </tr> <tr> <td>3 - V064 =</td> <td style="text-align: right;">38'</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="background-color: #d9ead3;">8" V064</td> <td style="text-align: right;">- N: 453586 E: 1336855</td> </tr> <tr> <td>TIES TO:</td> <td></td> </tr> <tr> <td>1 - FH (A) =</td> <td style="text-align: right;">40'</td> </tr> <tr> <td>2 - PEPCO 824392-000010 =</td> <td style="text-align: right;">27'</td> </tr> <tr> <td>3 - STORM DRAIN =</td> <td style="text-align: right;">14'</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="background-color: #d9ead3;">8" V068</td> <td style="text-align: right;">- N: 453536 E: 1336848</td> </tr> <tr> <td>TIES TO:</td> <td></td> </tr> <tr> <td>1 - PEPCO 824392-380780 =</td> <td style="text-align: right;">35'</td> </tr> <tr> <td>2 - 009U =</td> <td style="text-align: right;">18'</td> </tr> <tr> <td>3 - PEPCO 824392-410780 =</td> <td style="text-align: right;">5'</td> </tr> </table>	FH (A)	- N: 453601 E: 1336819	STREET NAME:	N ENGLEWOOD DR	FHT TO FHV:	2'	FHV TO FH:	9'	FHT TO FH:	11'	FH BARREL HEIGHT:	6.5'	FH MANUFACTURER:	CLOW	SIZE OF MAIN:	8'	FHV (A)	- N: 453592 E: 1336818	TIES TO:		1 - PEPCO 824392-000010	36'	2 - STORM DRAIN =	26'	3 - V064 =	38'	8" V064	- N: 453586 E: 1336855	TIES TO:		1 - FH (A) =	40'	2 - PEPCO 824392-000010 =	27'	3 - STORM DRAIN =	14'	8" V068	- N: 453536 E: 1336848	TIES TO:		1 - PEPCO 824392-380780 =	35'	2 - 009U =	18'	3 - PEPCO 824392-410780 =	5'
FH (A)	- N: 453601 E: 1336819																																														
STREET NAME:	N ENGLEWOOD DR																																														
FHT TO FHV:	2'																																														
FHV TO FH:	9'																																														
FHT TO FH:	11'																																														
FH BARREL HEIGHT:	6.5'																																														
FH MANUFACTURER:	CLOW																																														
SIZE OF MAIN:	8'																																														
FHV (A)	- N: 453592 E: 1336818																																														
TIES TO:																																															
1 - PEPCO 824392-000010	36'																																														
2 - STORM DRAIN =	26'																																														
3 - V064 =	38'																																														
8" V064	- N: 453586 E: 1336855																																														
TIES TO:																																															
1 - FH (A) =	40'																																														
2 - PEPCO 824392-000010 =	27'																																														
3 - STORM DRAIN =	14'																																														
8" V068	- N: 453536 E: 1336848																																														
TIES TO:																																															
1 - PEPCO 824392-380780 =	35'																																														
2 - 009U =	18'																																														
3 - PEPCO 824392-410780 =	5'																																														
<p>4. AS-BUILT DATA BOX REQUIRED ON SHEET 1 OF DRAWINGS MUST PROVIDE THE FOLLOWING:</p> <p>A. Contract Manager's Name (list the WSSC Contract Manager assigned to project)</p> <p>B. Contractor (provide contracting company's name who built/installed)</p> <p>C. Inspector (list the WSSC assigned inspector who visited site)</p> <p>D. L&G (list the Surveyor for project)</p> <p>E. Date started (provide date construction on project began)</p> <p>F. Date completed (provide substantial completion date issued by WSSC Contract Manager)</p>																																															

AS-BUILT REQUIREMENTS FOR BOTH SEP's and SU's

<p>G. Type of water pipe (list water main pipe material)</p> <p>H. Date finalized (list date project totally completed)</p> <p>I. Finalized by (provide name of survey company who prepared as-built)</p>	
<p>5. SEWER MAIN INFORMATION REQUIRED</p> <p>A. Plan Sheet (Horizontal Plan) requirements provided in a tie box using RED ink:</p> <ol style="list-style-type: none"> 1. Three (3) swing ties to the center of each manhole cover (refer to Swing Tie Requirements later in document). 2. For new manholes built over an existing sewer, provide the distance from the center of the upstream and manhole covers to the center of the new built-over manhole cover. <p>B. Profile Sheet (Vertical Plan) requirements using RED ink:</p> <ol style="list-style-type: none"> 1. Place a check-mark next to elevations and stations that were built according to the drawings (in other words did not change from approved plan.) For areas where they did change, cross-out data using a single line and insert the correct as-built elevation and/or station using RED ink. 2. Depth of manhole (in vertical feet) from the top of the rim to the channel centerline. 3. Sewer line lengths (in linear feet) from centerline of manhole cover to centerline of manhole cover. 4. Drop connection elevation at the centerline of manhole and inside wall of manhole. 5. Manhole rim elevations. 6. Percent of sewer line grade to be calculated from centerline of manhole to centerline of manhole except for those built at .50% of grade or less. In those cases the lines are to be calculated and indicated on the as-built from the incoming invert at the inside manhole wall to the next upstream manhole's outgoing invert at the inside manhole wall. 	<p>A. Plan Sheet (horizontal plan) requirements provided in a tie box using RED ink:</p> <ol style="list-style-type: none"> 3. Includes sewer cap and plugs on SU's located 5 feet outside the building
<p>6. WATER MAIN INFORMATION REQUIRED</p> <p>A. Provide three (3) swing ties to the center of each water fitting listed below (refer to Swing Tie Requirements later in document) in a tie box on the horizontal plan using GREEN ink:</p> <ol style="list-style-type: none"> 1. Caps/plugs – include depth in vertical feet NOTE: includes water cap on SU's located 5-feet outside the building! 2. Valves 3. Test Stations <p>B. Provide the fire hydrant data listed below in a tie box on the horizontal plan using GREEN ink:</p> <ol style="list-style-type: none"> 1. Fire Hydrant Station 2. Street Name 3. Measurement from center of fire hydrant valve to fire hydrant 4. Fire hydrant height (in vertical feet) 5. Fire hydrant manufacturer 6. Operating nut elevation (top of hydrant) 	<p>B. NOT REQUIRED FOR SU's by WSSC – however the property owner may still want.</p>

AS-BUILT REQUIREMENTS FOR BOTH SEP's and SU's

<p>7. SERVICE CONNECTION FINAL INFORMATION REQUIRED</p> <p>A. The Applicant is to supply two (2) copies of the Service Connection Certification Form and two (2) complete sets of drawings showing all revisions and connection permit numbers.</p> <p>B. The Service Connection Certification Form will contain the following information:</p> <ol style="list-style-type: none">1. Lot, Block and Connection Permit Number.2. Mainline sewer tee station when both water and sewer connections are in the same location, measuring from the downstream manhole.3. Mainline water station when there are no sewer connections.4. Linear footage of the service connections from the centerline of the main(s) to the property line.5. Depth (in vertical feet) of each connection at the cleanout stack and/or curb stop.6. Ties: Three (3) swing ties from the green board and/or cleanout stack. If the water service is in a different trench than the sewer, provide three (3) swing ties to the curb stop. Always provide three (3) swing ties for outside water meter (even if water service is located in the same trench as the sewer service.)	<p>See Service Connection Construction Permit requirements for service connections associated with a SU.</p>
<p>8. SWING TIE REQUIREMENTS – be sure that all structures used for ties are clearly sketched and labeled on the as-built drawing(s). Listing a tie to a feature not shown on the as-built drawing(s) is not acceptable!</p> <p>A. Swing ties (preferably under 100-feet) are to be taken from above ground structures provided in the following order of WSSC preference and are to be labeled:</p> <ol style="list-style-type: none">1. Manholes (sewer, water, storm-drain) taken at the center of the cover.2. Telecommunications and electric manholes or structures (C&P – PEPCO – BG&E...) with the location plotted on as-built drawing and the measurement taken at the center of the structure.3. Fire hydrants4. House or Building Corners5. Valve Box6. Telephone Poles (must include pole number on as-built drawing.)7. Curb Box or Cleanout Stack (which are located on a different property.)8. Retaining Wall Corners.9. Point on line from the downstream manhole to upstream manhole (use only one point on line tie per water main fitting.)10. Property Corners (if nothing else exists.)	