# PHILADELPHIA WATER DEPARTMENT

**GSI UNIT – Ecological Restoration**

#### In-Stream Plans, Specs, and Estimate

#### (PS&E) Submission (PWD 90%) Checklist

**This checklist outlines the requirements for each submission to PWD.**

All requirements will be checked by the PWD project manager prior to review. If a project is found to be incomplete, it will be returned to the provider and one week will be allotted for revision. Checklists can be modified based on project specific requirements.

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| **PS&E Submission (PWD 90%)**  *The PS&E submission should incorporate all comments from the internal and external utility/agency reviews. There should be no design changes at this point.* |  |
| * Update on external reviews. Provide evidence that all internal and external comments on the substantially complete design submission have been adequately addressed. (.PDF)   + Utility Review transmittals |  |
| * USACE Section 404/PADEP Chapter 105 Permit (.PDF) |  |
| * Materially complete plan set (.PDF and .DWG) including:   + Drawings prepared in accordance with the *PWD Stream Restoration Drafting & Design Guidelines* and *GSI CAD Standards*   + All design features included and identified   + Layout complete with all necessary call-outs   + Profile complete with all necessary call-outs   + Sections complete with all necessary call-outs   + All needed inverts and dimensions specified   + All needed details included   + Landscape plans using species from PP&R perched floodplain plant list |  |
| * Draft PWD Design Report (all files combined into single .PDF), along with supporting attachments:   + Written Report documenting design approach and assumptions (.PDF)   + Supporting design calculations and modeling files (.XLSX and modeling original files)   + Drainage area maps (.PDF) (for wetlands) |  |
| * Draft specifications with tracked changes and complete bid tab (.DOCX) |  |
| * Engineer’s estimate of construction cost (.XLSX) |  |
| * Project Summary Sheet (.PDF, .DOCX, and supporting image files) (if applicable) |  |

SUBMITTED BY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_­\_\_\_\_\_\_\_\_