1. **GENERAL NOTES**

   1. All work shall conform to the latest edition of "Standard Specifications for Road Bridge and Municipal Construction" current edition (herein, the "City of Bellingham Development Code Specifications"), and all other regulatory specifications or standards, the more stringent requirement will prevail. All references to "specification sections" refer to the "Standard Specifications for Road Bridge and Municipal Construction" unless otherwise noted.

   2. The roadway for the pipeline shall be filled gravel. According to the City of Bellingham Standard Plan No. 65-S42, the trench backfill, under existing or future paving shall be bank run gravel for trench backfill, and shall be compacted to 85% of maximum density (modified Proctor).

   3. All culverts, sewers, and conduits prior to abandonment as per standard specifications Section 7-08-311, except for the decommissioned culvert.

   4. All lines and vegetationary areas outside the project limits disturbed by construction equipment, vehicles or personnel, shall be restored to original condition or better, at the contractor's expense.

   5. This project may require various permits as outlined in the project specifications. General provisions, all work shall be performed in a manner which ensures compliance with any permit requirements.

   6. The contractor shall attend pre-construction conference with the City of Bellingham Engineering Division prior to beginning construction.

   7. Underlying utilities are known to exist in the area of construction. It is the responsibility of the contractor to contact the utility owners for locations and to notify the City Project Engineer promptly of any conflict. The one-call number for underground utilities is 1-888-424-5656.

   8. The contractor is responsible for maintaining the integrity of adjacent utilities which may include, but are not limited to, water, sewer, storm sewer, power, telephone, cable TV, gas, irrigation, and street lighting.

   9. The contractor shall notify residents and businesses 48 hours in advance of any work affecting access or service and shall minimize interruptions to driveways for residents and businesses adjacent to the project.

   10. Public rights-of-way shall be kept in a clean and serviceable condition at all times. In the event materials are inadvertently deposited on roadways, the material shall be promptly removed and re Harmless.

   11. Public and private damages may be protected from pollution. No material is to be discharged to or deposited in stormwater systems that may result in violation of state or federal water quality standards.

   12. The contractor shall be responsible for constructing, maintaining, and removing erosion control measures (silt fence, rock check dams, silt ponds, catch basin filters, etc.). Throughout the duration of the project, all erosion control work is considered incidental to the items of work and shall be coordinated with the City Project Engineer.

   13. The contractor shall stake out sensitive areas as identified on the plans and in the field by the project engineer for approval by the city project engineer prior to commencing earthwork.

   14. No staging area is provided for this project.

   15. Any temporary storage of materials in the right-of-way more than two weeks prior to installation shall require approval of the City Project Engineer.

   16. Stockpiling of aggregate base or excavated materials in the right-of-way shall not be allowed without the City Project Engineer's authorization.

   17. The contractor is responsible for all permits and authorization for staging areas.

   18. Construction equipment access may be from Lindberg Avenue, or West Illinois.

   19. The contractor shall be responsible for all access agreements required from the City of Bellingham Parks Department.

   20. All materials hauled shall be on Lindberg Avenue only.

   21. Protection of the environment: No construction related activity shall contribute to the degradation of the environment, including, without limitation, any activity that allows particular emissions to the atmosphere, which exceed state or federal standards. Any actions that potentially allow a discharge to state waters must have prior approval of the Washington State Department of Ecology.

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**ABBREVIATIONS**

- APN: ASSessor's PArCell NUMBER
- B&O: BRIDGE & RAILWAY
- BOS: BOSCoAL GEOLOGIC SERVICES
- CG: CITY OF GROWING
- CONC: CONCRETE
- ELEVATION: ELEVATION
- EXISTING: EXISTING
- FT: FOOT
- HAVING: HAVING-TO-BEHAVE
- NAWD: NORTH AMERICAN VERTICAL DATUM 1988
- OGR: ORDERLY GROWING MARI
- RR: RAIL ROAD
- RW: RIGHT OF WAY
- SWMP: STORMWATER POLLUTION PREVENTION PLAN
- TYP: TYPICAL
- W: WHAtCOM COUNty

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**LEGEND:**

- **FEATURE:**
  - CONTROLS, MAJOR
  - CONTROLS, MINOR
  - CRED/DRN/PIPELINE
  - CONCRETE
  - DRAIN
  - SURVEY MONUMENT
  - PROPERTY LINE
  - BWF ON ROW
  - EXISTING
  - SWMP
  - DRAWEES
  - RAILROAD
  - stimulation STRAW
  - OGR INFRASTRUCTURE
  - MACRO
  - TERRAIN
  - HYDROGEO
  - LAND USE WITH USE RT W
  - WOODS
  - BEACH

---

**PROJECT DATUM:** NAHD/ NS WASHINGTON STATE (NORTH ZONE)

**VERTICAL DATUM:** NAVD88 PER CITY OF BELLINGHAM 2009 HEIGHT MODIFICATION SURVEY

**MEAN LOWER WATER LEVEL (MLLW):** -0.48 FT (NAVD88)

**MEAN HIGHER WATER LEVEL (MHW):** +6.01 FT (NAVD88)

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**LITTLE SQUILACUM ESTUARY NOTES - LEGEND - ABBREVIATIONS**

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**SCALE:** 1:200

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**G02**
TREE SALVAGE LEGEND:

LARGE TREES

<table>
<thead>
<tr>
<th>Site #</th>
<th>Species</th>
<th>Diameter (in)</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>2</td>
<td>Black Cottonwood</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>Alder</td>
<td>17</td>
</tr>
<tr>
<td>4</td>
<td>Big Leaf Maple</td>
<td>7</td>
</tr>
<tr>
<td>5</td>
<td>Alder</td>
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<td>10</td>
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<td>11</td>
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<td>Alder</td>
<td>17</td>
</tr>
<tr>
<td>14</td>
<td>Red Alder</td>
<td>18</td>
</tr>
<tr>
<td>15</td>
<td>Red Alder</td>
<td>19</td>
</tr>
</tbody>
</table>

APPROXIMATED LOCATION OF TREE TO BE SALVAGED WITH ROOT M A R I T I M E
(TYPICAL)
NOTES:
1. CONTRACTOR SHALL STAKE THESE AREAS FOR APPROVAL.
VAULT/LINE: FIBER OPTIC
RELOCATION BY OTHERS

Legend:
- Contours, Major
- Contours, Minor
- Credit/Garbage
- Concrete
- Gravel
- Survey Monument
- Property Lines
- BPR In Row
- Exception
- Ditches
- NBR/CR
- Survey Buffers
- 100' HCA Buffer
- BPR In Centerline
- Tree Line
- Existing Stream
- No Arcade/Bridge Area

CALL 811
Before building
Contact your utility
owners.

BELLINGHAM BAY
REMOVING ANY LOGGED WOOD
WITHIN WORK AREA AND
RECONSTITUTE ON BEACH
AT SAME ELEVATION OUTSIDE
1-3 ELEVATION AREA

Call 811 before building
Contact your utility
owners.

PROPOSED CONDITIONS - ESTUARY GRADING PLAN
LITTLE SQUALICUM ESTUARY
CITY OF BELLINGHAM, WASHINGTON
PUBLIC WORKS DEPARTMENT
SCALE: 1" = 20'-0"
DATUM: NAV D & R NAVD

PROPOSED ESTUARY DTW = +9.77' (MLLW datum)
USACE based on
approximate MLW.

LITLLE SQUALICUM ESTUARY
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4'-0" MINIMUM FROM SHEET PILE TO TRESTLE AT GRADE