PROPOSED HIGHWAY PROJECT
DPS-0958(1)
GASTINEAU CHANNEL CROSSING
PHASE I
PIERS, PIER ISLANDS, STONE COLUMNS,
PARTIAL APPROACH EMBANKMENT &
NAVIGATIONAL CHANNEL EXCAVATION
"AS BUILT PLANS"
CONTRACTOR: MANSON-Osberg Company
PROJECT ENGINEER: Vern V. Hirsch

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION &
PUBLIC FACILITIES
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The following Standard Drawings apply to this project: A-1, C-00.04, C-00.06, C-00.22, D-20.10, U-09.00

STATE OF ALASKA
DIVISION OF HIGHWAYS
APPROVED
Walter K. Illingsworth
SOUTHEASTERN REGION DESIGN/CONSTRUCTION ENGINEER
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION &
PUBLIC FACILITIES
APPROVED
RED. EM. TRANSPORTATION
DIRECTOR-HIGHWAY DESIGN/CONSTRUCTION
TOP LEFT:
- Plan View
- Existing Pier 4
- Existing Gastineau Channel Bridge
- Tide Flats
- Douglas Island

BOTTOM LEFT:
- Detail of Existing Bridge Pier
- Approximate Limits of Excavation

RIGHT:
- Navigational Channel Excavation
- General Notes
1. Excavation and deposition of excavated material will not be permitted between February 1 and May 31.
2. If excavated material is disposed of in deep water, no material shall be deposited higher than elevation minus 23.0 upon completion of excavation.
3. Excavation limits shown are intended as a guide only; slight deviations may occur.
4. Subcutting will not be allowed within 50 feet of the existing Gastineau Channel Bridge Pier 3.

TYPICAL SECTION A-A:
- Existing Gastineau Channel Bridge
- Material to be Excavated
- Deep Water Disposal Site

NOTE: Hatched area represents approximate location to be used for deep water disposal of excavated material.
WORK-PAD DETAILS

GENERAL NOTES:
1. THE EXISTING STREAM WHICH CROSSES THE "L" LINE AT STATION 29+75 SHALL BE REROUTED, AS SHOWN, TO MISS THE AREA OF CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK AND NO SPECIAL PAYMENT WILL BE MADE THEREFOR.

2. DRAINAGE CONTROL WILL BE THE TOP EDGE OF THE WORK PAD ELEVATION - 0'5' AND IS LOCATED AS SHOWN ON THE PLANS. SLOPE LIMITS ARE INTENDED AS A GUIDE AND ARE APPROXIMATE ONLY.


4. THE EXISTING PILES AT APPROXIMATE STATION "L" 29+50 WT. SHALL BE REMOVED TO GROUND LINE AND DISPOSED OF, AND COBBLES AND Boulders SHALL BE MOVED BEYOND STATION "L" 29+50. THESE ITEMS SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.

5. ROCKS, BROKEN CONCRETE, OR OTHER SOLID MATERIALS WHICH WOULD INTERFERE WITH FUTURE PIPE DRIVING SHALL NOT BE PLACED BETWEEN STATION "L" 29+30 AND STATION "L" 29+40, BETWEEN THE LIMITS OF THE WRAWR.

WORK-PAD ESTIMATED QUANTITIES

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borrow</td>
<td>CY</td>
<td>27,001</td>
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<tr>
<td>Selected Material, Grading A</td>
<td>CY</td>
<td>590</td>
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<tr>
<td>Riprap, Class A</td>
<td>CY</td>
<td>270</td>
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<tr>
<td>Riprap, Class III</td>
<td>CY</td>
<td>2,806</td>
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</tbody>
</table>

PLAN VIEW

GASTINEAU CHANNEL
UTILITIES

GRAVITY SEWER LINE MODIFICATIONS

GENERAL NOTES:

1. STATIONS AND OFFSETS ARE APPROXIMATE ONLY AND SHALL BE LOCATED IN THE FIELD AS SHOWN ON PLAN DIMENSION AND AS DIRECTED BY THE ENGINEER.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FUNCTIONING UTILITIES REMAIN IN SERVICE DURING THE PERIOD OF CONSTRUCTION. ANY TEMPORARY BY-PASSES REQUIRED SHALL BE DONE SO BY THE CONTRACTOR, AND CONSIDERED INCIDENTAL TO ITEM NO.42, SANITARY SEWER MANHOLES.

3. "THE EXISTING BURIED FUEL TANK NEXT TO THE PUMP STATION PST-10" REMAIN IN PLACE AND IN SERVICE - THE LOCATION SHOWN IS APPROXIMATE AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ITS LOCATION AND INSURE ITS PROTECTION DURING CONSTRUCTION.

4. ALL NEW SEWER PIPES SHOWN ON THIS SHEET SHALL BE DUCTILE IRON AND SHALL CONFORM TO SECTION #7 OF THE SPECIAL AND STANDARD SPECIFICATIONS.

SANITARY SEWER SUMMARY TABLE:

<table>
<thead>
<tr>
<th>PIPE NUMBER</th>
<th>PIPE DIAMETER</th>
<th>DESIGN LENGTH</th>
<th>FROM STRUCTURE</th>
<th>TO STRUCTURE</th>
<th>PERCENT GRADE</th>
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</thead>
<tbody>
<tr>
<td>P-1</td>
<td>18&quot;</td>
<td>-200'-0&quot;</td>
<td>S-1</td>
<td>S-2</td>
<td>-0.99%</td>
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<tr>
<td>P-2**</td>
<td>18&quot;</td>
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<td>S-2</td>
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<tr>
<td>P-3</td>
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<td>S-3</td>
<td>S-4</td>
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<tr>
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<td>S-4</td>
<td>S-5</td>
<td>-5.90%</td>
</tr>
<tr>
<td>P-5</td>
<td>6&quot;</td>
<td>-160'-0&quot;</td>
<td>S-5</td>
<td>S-6</td>
<td>21.49%</td>
</tr>
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</table>

**In conjunction with Subsanance Strap (see detail) 
* Existing pipe to remain in place
* Non-furnished Items

NOTE: Lengths apply to intersection points of 1'-0" of conduits.

<table>
<thead>
<tr>
<th>STRUCTURE SUMMARY</th>
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<tbody>
<tr>
<td>MANHOLE NUMBER</td>
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<tr>
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<tr>
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<tr>
<td>P-3</td>
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<tr>
<td>P-2**</td>
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