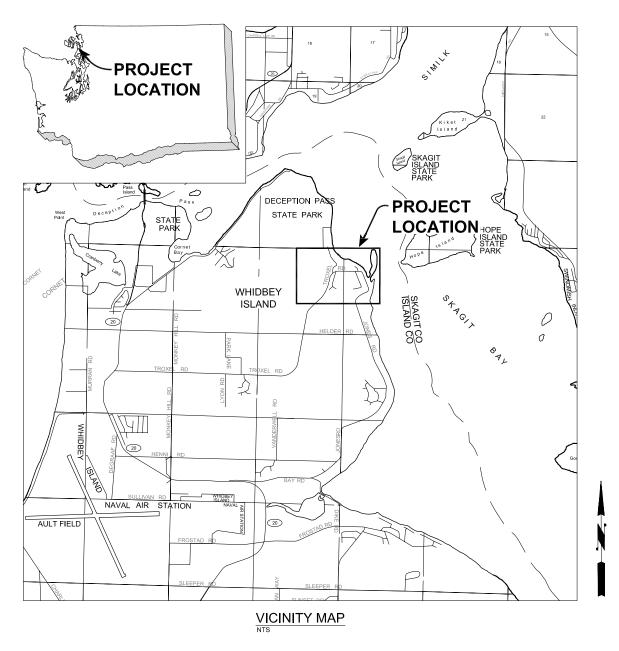
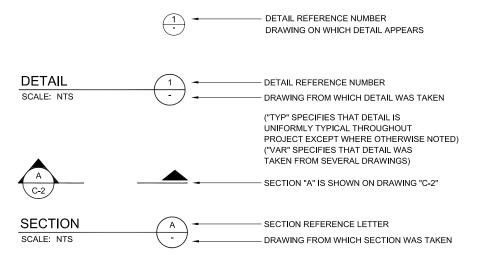
ALA SPIT RIPRAP AND CONSTRUCTION DEBRIS REMOVAL RESTORATION PROJECT

WHIDBEY ISLAND, WASHINGTON



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DETAIL AND SECTION REFERENCING

30% DESIGN - DRAFT

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No.	REVISION	BY	APP'D	DATE	
	No.	No. REVISION	No. REVISION BY	No. REVISION BY APP'D	No. REVISION BY APP'D DATE

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ALA SPIT
RIPRAP AND CONSTRUCTION DEBRIS REMOVAL
RESTORATION PROJECT

TITLE SHEET

JULY 2008

PROJECT NO: 06-03192-000

DRAWING NO: G-1

SHEET NO: 0F 5

GENERAL:

DESCRIPTION OF WORK

THIS WORK INVOLVES REMOVAL OF APPROXIMATELY EXISTING RIPRAP AND CONSTRUCTION DEBRIS, FINAL SITE GRADING, REVEGETATION, AND LWD DEBRIS RESTORATION OVER APPROXIMATELY 850' OF ALA SPIT.

ADDITIONAL CONTRACT WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING

- DEVELOPMENT OF SUBMITTALS INCLUDING A WORK PLAN, TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (TESC), SPILL PREVENTION AND CONTAINMENT CONTROL PLAN, DEWATERING AND WATER MANAGEMENT PLAN, PROGRESS SCHEDULE, AND IMPORT MATERIAL SOURCES.
- SITE CONTROL, INCLUDING ESTABLISHMENT OF SURVEY CONTROL, TEMPORARY BENCHMARKS, STAKING
 OF CLEARING LIMITS AND GRADING AREAS, STAGING AREAS, SECURITY MEASURES, AND OTHER AS
 NECESSARY
- STRIPPING AND TEMPORARY ACCESS, INCLUDING IMPROVEMENT OF STAGING AND STOCKPILE AREAS, LIMITED CLEARING, SALVAGE OF VEGETATION, GRUBBING AND STOCKPILING OF SURFICIAL SOILS. ALSO INCLUDES TEMPORARY STORAGE OF SALVAGED VEGETATION TO BE REPLACED FOR SEED BANK OR REPLANTED BY OWNER (ISLAND COUNTY).
- 4. SITE CLEANUP AND RESTORATION INCLUDING REMOVAL OF TEMPORARY FACILITIES, STOCKPILES, TEMPORARY EROSION AND SEDIMENT CONTROLS, SPILL PREVENTION AND CONTAINMENT CONTROLS, AND WORK LIMITS FENCING
- PROJECT CLOSEOUT DOCUMENTATION INCLUDING SUBMITTAL OF FINAL AS-BUILT DRAWINGS, PAY REQUESTS, AND OTHER REQUIRED DOCUMENTATION.

MINIMIZATION OF ENVIRONMENTAL IMPACT

EVERY REASONABLE EFFORT SHALL BE MADE TO PERFORM THE CONSTRUCTION IN A MANNER THAT PRESERVES WATER QUALITY AND FISH AND WILDLIFE HABITAT; INCLUDING BUT NOT LIMITED TO MIGRATORY WATERFOWL BREEDING AREAS, FORAGE FISH SPAWNING AREAS, AND AQUATIC RESOURCE BUFFER ZONES.

WORK WINDOWS

CONSTRUCTION SHALL OCCUR BETWEEN (DATE - DATE) OR AS SPECIFIED IN THE WASHINGTON DEPARTMENT OF FISH AND WILDLIFE HYDRAULICS PERMIT.

ENGINEE

THE ENGINEER SHALL BE A DESIGNATED REPRESENTATIVE OF CLIENT. ALL COMMUNICATIONS THAT REQUIRE INPUT FROM OR APPROVAL BY THE ENGINEER SHALL BE DIRECTED TO THIS REPRESENTATIVE. THE CLIENT RESERVES THE RIGHT TO CHANGE DESIGNATED REPRESENTATIVES DURING THE COURSE OF THE PROJECT.

PERMITS

THE CONTRACTOR SHALL COORDINATE WITH THE CLIENT FOR ALL APPLICABLE PERMITS.

SITE PREPARATION:

SITE PREPARATION WILL INCLUDE BUT IS NOT LIMITED TO FLAGGING BOUNDARIES OF PROTECTED AREAS, CONSTRUCTION AREAS, MATERIALS AND EQUIPMENT STORAGE AREAS AND CONSTRUCTION OF SEDIMENT BARRIERS (SILT FENCE). EXPECTED IMPACTS INCLUDE THE REMOVAL OF VEGETATION AND CLEARING OF GROUND COVER. CONSERVATION MEASURES WILL INCLUDE IMPLEMENTING A TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN, MINIMIZING USE OF HEAVY EQUIPMENT, AND MAINTAINING CLEAN WEED AND PEST FREE EQUIPMENT.

SOIL EROSION AND SEDIMENT CONTROLS

THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN APPROPRIATE EROSION AND SEDIMENT CONTROLS. THE WORK SHALL INCLUDE REMOVAL OF ALL INSTALLED CONTROLS AT PROJECT CLOSE. APPROVAL FOR REMOVAL OF CONTROLS SHALL COME FROM THE CLIENT FOR AREAS ABOVE THE MEAN HIGHER HIGH WATER (MHHW).

SITE WORK:

BEST MANAGEMENT PRACTICES (BMPS)

THE FOLLOWING BMPS SHALL BE IMPLEMENTED DURING ALL RESTORATION ACTIVITIES:

- INSTALLATION OF SEDIMENT/EROSION CONTROL DEVICES INCLUDING SILT FENCE, BALES, ETC. PRIOR TO CONSTRUCTION.
- LIMITATION OF USE OF HEAVY EQUIPMENT, MAINTENANCE OF CLEAN EQUIPMENT, AND LIMITATION OF ACTIVITIES BELOW THE MHHW.
- IMPLEMENTATION OF SPILL PREVENTION AND CONTAINMENT PLAN (MINIMIZE SPILLAGE OF FUEL/OIL LEAKAGE FROM EQUIPMENT).
- ALL EQUIPMENT SHALL USE BIODEGRADABLE HYDRAULIC FLUID

SUBMITTALS:

THE FOLLOWING SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THE START OF WORK AND DURING THE COURSE OF THE WORK. THE PURPOSE OF THE SUBMITTAL REVIEW IS TO VERIFY THAT APPLICABLE REGULATORY AND PERMIT REQUIREMENTS ARE MET AND THAT PERFORMANCE REQUIREMENTS ARE FINSLIPED.

- PRIOR TO STARTING WORK, THE CONTRACTOR SHALL SUBMIT A WATER QUALITY CONTROL PLAN THAT DESCRIBES MEANS AND METHODS TO MEET CRITERIA AND PERFORMANCE REQUIREMENTS DESCRIBED AND/OR SHOWN ON THE DRAWINGS. CONTRACTOR SHALL ALSO INCLUDE A TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN. INCLUDE A MARKED UP VERSION (HAND MARKED IS ACCEPTABLE) OF THE CONSTRUCTION PLAN SET TO SHOW LIMITS OF CONTROLS, STAGING AREAS TO BE UTILIZED WITHIN THE PROJECT LIMITS, AND ANY VARIANCES TO THE REQUIREMENTS SHOWN OR DESCRIBED IN THESE DRAWINGS. THE ENGINEER MUST APPROVE THE WATER QUALITY CONTROL PLAN AND TESC PLAN PRIOR TO STARTING WORK.
- 2. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL SUBMIT A SPILL PREVENTION AND CONTAINMENT PLAN THAT DESCRIBES MEANS AND METHODS FOR PREVENTING AND CONTAINING ANY SPILLS OR RELEASES TO THE ENVIRONMENT DURING THE COURSE OF THE WORK. THE ENGINEER MUST APPROVE THE SPILL PREVENTION AND CONTAINMENT PLAN PRIOR TO STARTING WORK.
- PRIOR TO STARTING WORK, THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE THAT DETAILS
 THE SEQUENCING OF THE WORK. THE ENGINEER MUST APPROVE THE SCHEDULE PRIOR TO STARTING
 WORK.
- 4. CONTRACTOR SHALL SUBMIT, PRIOR TO ACCEPTANCE AND PLACEMENT, MATERIAL DATA SHEETS FOR FILL MATERIALS INDICATING CONFORMANCE WITH THE REQUIREMENTS SET FORTH ON THE DRAWINGS. MATERIALS THAT DO NOT MEET THE REFERENCED SPECIFICATIONS SHALL NOT BE ALLOWED AT THE PROJECT SITE.

SEQUENCE OF CONSTRUCTION:

THE SEQUENCE OF WORK WILL BE IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE CONSTRUCTION SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS AND BE APPROVED BY THE ENGINEER EACH TIME THERE IS A CHANGE IN THE SCHEDULE. THE CONSTRUCTION SCHEDULE SHALL BE BASED ON THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS, THE PROPOSED SEQUENCE PLAN SHOWN ON THE DRAWINGS, AND THE CONTRACTOR PREPARED AND OWNER-APPROVED DETAILED PLANS FOR THE WORK. THE WORK SHALL BE PERFORMED TO SATISFY THE PROJECT SEQUENCING REQUIREMENTS BELOW.

CONSTRUCTION SEQUENCE

- 1. FLAG ALL RESTRICTED AREAS AND VEGETATION TO BE SALVAGED
- 2. INSTALL HIGH VISIBILITY FENCING
- 3. INSTALL ALL BMP'S AND TESC
- 4. CLEAR WOODY DEBRIS AS REQUIRED TO PROVIDE ACCESS
- 5. SALVAGE VEGETATION AND PLACE IN TEMPORARY NURSERY
- 6. SALVAGE RIPRAP FOR BULKHEAD EXTENSION AND REMOVE REMAINING CONSTRUCTION DEBRIS AND ROCK TO OFF SITE DISPOSAL FACILITY
- REPLACE/EMBED SALVAGED DRIFT WOOD TO ORIGINAL EXTENTS AND FINISH GRADE DISTURBED AREAS
- $8. \quad \mathsf{DECOMPACT} \; \mathsf{SOIL} \; \mathsf{AND} \; \mathsf{PLACE} \; \mathsf{SALVAGED} \; \mathsf{SEED} \; \mathsf{BANK} \; \mathsf{VEGETATION} \; \mathsf{TO} \; \mathsf{ORIGINAL} \; \mathsf{EXTENTS} \; \mathsf{AND} \; \mathsf{ELEVATION}$
- 9. REMOVE ALL BMP'S AND TESC'S

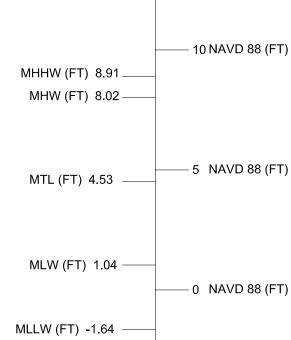
POST CONSTRUCTION:

SITE RESTORATION

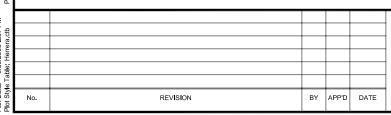
SITE RESTORATION FOLLOWING CONSTRUCTION SHALL INCLUDE LONG-TERM ESTABLISHMENT OF EROSION PROTECTION MEASURES; INCLUDING USE OF EROSION CONTROL FABRIC, SEEDING, AND MULCHING. THE CONTRACTOR SHALL REMOVE ALL MATERIAL STAGED WITHIN THE PROJECT AREA INCLUDING EQUIPMENT, AND EXCESS SUPPLIES. THE PROJECT SITE SHALL BE CLEANED.

TIDAL DATUM:

TIDAL DATUM IS SHOWN IN NAVD88. CONVERSION FROM NAVD88 TO MLLW, MTL, , MHW, MHHW, AND FOR ALA SPIT IS:



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RESTORATION PROJECT

AL PROJECT NO:
06-03192-000

DRAWING NO:
G-2

SHEET NO:
0F

ONE INCH

AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY

¥ 2008

NOTES

