



WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form^{1,2}

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps
of Engineers •
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

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DEC 20 2013

CITY OF OAK HARBOR
Development Services Department

Part 1—Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]
Oak Harbor Wastewater Outfall Replacement

Part 2—Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)			
Stowell, Joe			
2b. Organization (If applicable)			
City of Oak Harbor			
2c. Mailing Address (Street or PO Box)			
865 SE Barrington Drive			
2d. City, State, Zip			
Oak Harbor, WA 98277			
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail
(360) 279-4520	()	(360) 679-3902	jstowell@oakharbor.org

¹ Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

² To access an online JARPA form with [\[help\]](#) screens, go to http://www.epermittng.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office of Regulatory Assistance at 1-800-917-0043 or help@ora.wa.gov.

Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

3a. Name (Last, First, Middle)			
Adolfson, Lisa			
3b. Organization (If applicable)			
Environmental Science Associates (ESA)			
3c. Mailing Address (Street or PO Box)			
5309 Shilshole Ave NW, Suite 200			
3d. City, State, Zip			
Seattle, WA 98107			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
(206) 789-9658	()	(206)789-9684	ladolfson@esassoc.com

Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out JARPA Attachment A for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete JARPA Attachment E to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail
()	()	()	

Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input type="checkbox"/> Private			
<input type="checkbox"/> Federal			
<input checked="" type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.)			
<input type="checkbox"/> Tribal			
<input checked="" type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
Windjammer Park is located at 1500 SW Beeksma Drive, Oak Harbor, WA 98277. The outfall is located in Windjammer Park near the terminus of SE City Beach Street in Oak Harbor.			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Oak Harbor, WA 98277			
5d. County [help]			
Island			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
SW	2	32N	1E
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none"> Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83) 			
48° 17.130' / 122° 39.088'			
48° 17.132' / 122° 39.011'			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none"> The local county assessor's office can provide this information. 			
10785			
5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]			
Name	Mailing Address		Tax Parcel # (if known)
City of Oak Harbor	865 SE Barrington Drive		252112
	Oak Harbor, WA 98277		
See Attachment C			
5i. List all wetlands on or adjacent to the project location. [help]			

There are no wetlands present near the existing outfall location.

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [\[help\]](#)

The project will occur within Oak Harbor, an embayment at the north end of Saratoga Passage.

5k. Is any part of the project area within a 100-year floodplain? [\[help\]](#)

Yes No Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

The beach area is largely devoid of vegetation. Some beach grasses are generally present at the upper limit of the beach, generally above 9' mean lower low water (MLLW) elevation. Large amounts of driftwood are also present on the beach above 9' MLLW. An eelgrass and macroalgae survey was conducted by Grette Associates in October 2012. Eelgrass was not present along, or within 25 feet, of the proposed outfall alignment, and macroalgae coverage was sparse.

5m. Describe how the property is currently used. [\[help\]](#)

The project area is located within Oak Harbor and Windjammer Park in the City of Oak Harbor, Island County, WA (Section 2, Township 32N, Range 1E).

5n. Describe how the adjacent properties are currently used. [\[help\]](#)

The surrounding property is Windjammer Park, which contains park amenities such as ball fields, restrooms, a swimming lagoon, open lawn, and trails. The existing city wastewater treatment plant is located within the park (Sheet 1). Beyond the park, the surrounding area can best be classified as commercial/business park.

5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [\[help\]](#)

The existing outfall into Oak Harbor from the existing treatment plant is an 18-inch-diameter corrugated metal pipe. The outfall is 1,160 feet long, terminating at a water depth of -14 feet mean lower low water (MLLW). The outfall includes a diffuser section at the terminus consisting of five 8-inch ports arranged in an "H" configuration and a single 6-inch port. The diffuser has had a history of sediment buildup and blockages of the individual ports. In 2010, a significant portion of the outfall was found to be filling with sediment, blocking flow to the diffusers. As a result, the City has temporarily diverted effluent flows to the lagoon facility on the Navy Seaplane Base (the Lagoon Plant).

5p. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From I-5, take exit 230 to merge onto SR 20 toward Anacortes. Follow SR 20 to Oak Harbor. Turn left onto SE Pioneer Way. Turn left on SE City Beach Street.

Part 6–Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [\[help\]](#)

The City has determined it is necessary to replace the existing outfall in Oak Harbor. This work would include the replacement of the outfall constructed in the same alignment as the existing failed outfall in Oak Harbor (Sheets 2 and 3): The new outfall would consist of:

- o 1,370 lineal feet (overall length) of 24-inch diameter pipe (Sheet 2),

- Pipe material will be high density polyethylene (HDPE),
- Pipe will be fully buried from the shoreline to the diffuser (Sheet 3),
- Existing buried outfall pipe will be excavated and disposed of at an upland site, and
- New 200-foot long diffuser at the end of the outfall with 26 diffuser ports (Sheets 3 and 6).

Currently the City's wastewater is treated at two facilities: a rotating biological contactor (RBC) facility in Windjammer Park, and a lagoon facility on the Navy's Seaplane Base (the Lagoon Plant) which discharges via an outfall in Crescent Harbor. Although the existing facilities are currently able to meet the requirements of the City's National Pollution Discharge Elimination System (NPDES) Permit, they are not able to provide reliable long-term service for the following reasons:

- The existing RBC facility is nearing the end of its useful life and will need to be replaced within the life cycle of the new outfall. The existing outfall is not anticipated to meet the capacity requirements of a new wastewater treatment plant; and
- Both of the existing effluent outfalls have seen major failures; the Oak Harbor outfall no longer functions and the Crescent Harbor outfall is functional but damaged.

The overarching purpose of the project is to provide a reliable discharge location for the City's treated effluent.

6b. Describe the purpose of the project and why you want or need to perform it. [help]

The purpose and need of the project are described in 6a. Outfall construction is anticipated to occur sooner than construction of a new treatment plant to allow use by the existing RBC plant in the event of a failure of the RBC diversion pump station or force main. Currently the City does not have another means of discharge should the damaged outfall in Crescent Harbor completely fail.

The proposed action will require the installation of a new outfall adjacent to the existing RBC outfall in Oak Harbor. Project details are shown in Sheets 2 through 6. The new outfall will include the following:

- Outfall length approximately 1,370 lineal feet
 - 60 ft nearshore (upland manhole to MHHW through driftlogs)
 - 60 ft steep gravel beach (MHHW to +5 ft MLLW)
 - 820 ft lower intertidal on sand flat (+5 ft MLLW to -3 ft MLLW)
 - 430 ft subtidal including diffuser (-3 ft MLLW to diffuser at -14 ft MLLW)
- 200 foot-long diffuser (included in 1,370 ft overall length)
 - 26 diffuser ports with elastomeric duckbill valves
 - 8 ft port spacing
 - Water depth = -14 ft MLLW
 - Port height 1 ft above mudline (-13 ft MLLW elevation)
 - Port diameter variable (opens and closes with flow)
 - Port orientation: horizontal discharge perpendicular to diffuser pipe
- Outfall pipe
 - 24-inch diameter
 - Pipe material will be high density polyethylene (HDPE)
 - Bolt-on precast concrete anchors will be used for HDPE pipeline anchoring
 - Pipe will be fully buried from shoreline to diffuser

6c. Indicate the project category. (Check all that apply) [help]

- Commercial
 Residential
 Institutional
 Transportation
 Recreational
 Maintenance
 Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [help]

<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Culvert	<input type="checkbox"/> Float	<input type="checkbox"/> Retaining Wall (upland)
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Floating Home	<input type="checkbox"/> Road
<input type="checkbox"/> Boat House	<input type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Geotechnical Survey	<input type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat Launch	<input type="checkbox"/> Ditch	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Stairs
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Stormwater facility
<input type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mining	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Outfall Structure	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input type="checkbox"/> Piling/Dolphin	
<input type="checkbox"/> Channel Modification	<input type="checkbox"/> Fishway	<input type="checkbox"/> Raft	

Other:

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

The following is a description of construction methods for the outfall based upon experience with similar outfalls.

1. The new outfall replacement pipe will be constructed along the same alignment as the existing damaged outfall pipe.
2. The new outfall pipe will be buried all the way through the entire alignment out to the diffuser, thus minimizing environmental impact to the intertidal zone (Sheet 3).
3. The nearshore portion from above mean higher high water (MHHW) out to approximately +5 ft MLLW will be constructed using shore-based equipment. Equipment will access the beach by temporarily relocating the driftlogs. Driftlogs will be replaced and beach grass replanted when construction is complete. The trench will be excavated in the dry during low tides except for the deeper lower portion. The existing CMP outfall pipe will be removed during excavation of the trench and disposed of at an upland site. If allowed by fisheries agencies, this work will be preferably conducted during July to target the lowest annual daytime tides. Target dates for working on the beach during the extreme low tides in 2014 are July 9 through 15.
4. Certified divers using surface-supplied air will be used to support off-shore construction of the pipeline. Divers will stage from the barge, and assist with pipe placement, pipe joining, and verification of the pipeline profile and condition before backfilling.
5. The offshore section from +5 ft MLLW to the terminus will be excavated from a barge mounted crane with clamshell dredge. These excavations will be conducted during tidal inundation. Excavated material will be stored on an adjacent barge for reuse as final backfill in the trench. The existing CMP outfall pipe will be removed during excavation of the trench, separated from native material while on the storage barge, and disposed of at an upland site. Trench depth will be approximately 6 feet. The trench will be sloped seaward during inundation so that tidal waters will drain from the construction area as the tide ebbs.
6. A ¾-inch minus clean crushed aggregate will be used for pipe zone bedding (Sheet 4). Approximately 40 cubic yards of pipe bedding are anticipated. This material will be placed with a clamshell dredge and verified by diver.
7. The pipeline will be placed in the excavated and bedded trench under the direction and control of divers. The pipeline may be placed by cranes either or both from shore and from an offshore crane barge. The

pipeline and diffuser will be anchored as shown on Sheets 5 and 6. The trench will be backfilled with the native excavated material.

8. The final layer over the backfilled pipe will consist of a 6-inch minimum thickness of a "fish mix" washed pea gravel meeting WDFW specifications.
9. The existing buried pipe will be abandoned in place.
10. In-water construction will take approximately 16 weeks. The preferred construction period is early summer in order to construct in the nearshore section during daytime low tides. Target dates for working on the beach during the extreme low tides in 2014 are July 9 through 15.
11. The existing onshore manhole will be replaced with a new structure. The new manhole will be approximately 15 feet deep and require approximately 15 feet by 15 feet of excavation for construction.

6f. What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Overall Construction: Start date: May 2014 End date: October 2014 See JARPA Attachment D

In-Water Work: Start date: July 9, 2014 End date: September 30, 2014

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

\$2,800,000

6h. Will any portion of the project receive federal funding? [\[help\]](#)

- If yes, list each agency providing funds.

Yes No Don't know Centennial Clean Water State Revolving Funds are being sought for the project.

Part 7–Wetlands: Impacts and Mitigation

- Check here if there are wetlands or wetland buffers on or adjacent to the project area.
(If there are none, skip to Part 8.) [\[help\]](#)

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [\[help\]](#)

Not applicable

Wetlands are not present in the area surrounding the outfall. Outfall construction will not impact any wetlands or wetland buffers.

7b. Will the project impact wetlands? [\[help\]](#)

Yes No Don't know

7c. Will the project impact wetland buffers? [\[help\]](#)

Yes No Don't know

7d. Has a wetland delineation report been prepared? [\[help\]](#)

- If Yes, submit the report, including data sheets, with the JARPA package.

Yes No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- If Yes, submit the wetland rating forms and figures with the JARPA package.

Yes No Don't know Not applicable

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- If **Yes**, submit the plan with the JARPA package and answer 7g.
- If **No**, or **Not applicable**, explain below why a mitigation plan should not be required.

Yes No Not applicable

No impacts to wetlands will occur as a result of this project. The project will involve construction below the mean higher high water line of Oak Harbor. Mitigation for in-water work is described in 8.d. below.

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

The goal of the on-shore mitigation is to restore the area to existing conditions following construction. Driftlogs will be replaced and beach grass replanted following construction. Additional mitigation measures are described below in 8c.

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)
No wetland impacts						

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _____

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

No wetland fill is associated with this project.

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

No wetland excavation is associated with this project.

Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment.

[\[help\]](#)

Not applicable

Outfall construction is proposed in the same alignment as the existing outfall. No eelgrass is present in the proposed outfall vicinity, and the area is currently closed to shellfish harvest. The outfall will be buried to minimize impacts following construction. Effluent quality will be improved from existing conditions, and the outfall will be located to provide better dilution.

8b. Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes No Excavations will occur below the MHHW line in Oak Harbor.

8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [\[help\]](#)

- If Yes, submit the plan with the JARPA package and answer 8d.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

Yes No Not applicable

A biological assessment has been prepared for the project which discusses potential impacts to threatened and endangered species, as well as describes mitigation measures related to construction impacts.

- Comprehensive erosion and sediment control plans will be developed and implemented for each phase of construction in accordance with the 2012 Stormwater Management Manual for Western Washington (Ecology, 2012) or updated versions as they become available. The plans could include elements for site stabilization, slope protection, drainage way protection, and sediment retention. The proposed action would also comply with applicable erosion control standards for the City of Oak Harbor.
- A silt/turbidity curtain would be used to confine turbidity within the immediate work area when constructing the in-water portion of the outfall.
- Refueling of equipment will take place a minimum of 200 feet from surface waters.
- In water work will be conducted in accordance with approved in-water work windows for tidal reference area 8, which typically corresponds to times when listed fish and forage species are least likely to be present (Corps, 2012). For the project area, this is likely to be July 16 through October 14; however, it is desirable to conduct work during the extreme low tides which are July 9 through July 15, 2014. A hydraulic project approval (HPA) from WDFW has yet to be obtained for the project; therefore, this is an approximate date.

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

The goal of the project is improve water quality and provide a reliable discharge for the City's wastewater. Mitigation measures have been developed to reduce construction-related impacts associated with the outfall construction, to minimize any short-term water quality impacts.

The main project objectives are:

- Improve long-term water quality
- Avoid habitat disturbance
- Restore construction area to existing conditions with WDFW-approved aggregates

8e. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or	Area (sq. ft. or linear ft.) of waterbody
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				removed from waterbody	directly affected
Excavation	Oak Harbor	In-water	16 weeks	7,000 cy	
Bedding backfill	Oak Harbor	In-water		1,400 cy	
Backfill native material	Oak Harbor	In-water		6,000 cy	
Pea gravel	Oak Harbor	In-water		1,200 cy	
¹ If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided. ² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain. ³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.					
8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [help]					
Refer to question 6.e. for a description of probable construction methods, and fill materials and quantities associated with the outfall construction in Oak Harbor.					
8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [help]					
Refer to the description in 6.e.					

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [help]			
Agency Name	Contact Name	Phone	Most Recent Date of Contact
Washington Department of Ecology	Shawn McKone, PE	(425) 649-7037	June 4, 2013
Washington Department of Natural Resources	Brady Scott	(360) 732-0013	March 20, 2013
		()	
9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help] <ul style="list-style-type: none"> • If Yes, list the parameter(s) below. • If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: http://www.ecy.wa.gov/programs/wq/303d/. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Oak Harbor is listed as a Category 5 for bacteria.			
9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help] <ul style="list-style-type: none"> • Go to http://cfpub.epa.gov/surl/locate/index.cfm to help identify the HUC. 			
17110019			
9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]			

- Go to <http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm> to find the WRIA #.

WRIA 6, Island

9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/programs/wq/swqs/criteria.html> for the standards.

Yes No Not applicable

9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [\[help\]](#)

- If you don't know, contact the local planning department.
- For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html.

Rural Urban Natural Aquatic Conservancy Other

In the 2013 updated shoreline master program, which has not yet been adopted by Ecology, the designation is Urban Public Facility.

9g. What is the Washington Department of Natural Resources Water Type? [\[help\]](#)

- Go to http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx for the Forest Practices Water Typing System.

Shoreline Fish Non-Fish Perennial Non-Fish Seasonal

9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [\[help\]](#)

- If No, provide the name of the manual your project is designed to meet.

Yes No

Name of manual: 2012 Stormwater Management Manual for Western Washington

9i. Does the project site have known contaminated sediment? [\[help\]](#)

- If Yes, please describe below.

Yes No

There are no known contaminated sediments in Oak Harbor.

9j. If you know what the property was used for in the past, describe below. [\[help\]](#)

The project area is located within Oak Harbor. The surrounding land use has been a park for over 40 years.

9k. Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If Yes, attach it to your JARPA package.

Yes No Cultural survey conducted as part of the SEPA review. Field investigations have been conducted associated with geotechnical explorations.

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

Oak Harbor supports Puget Sound Steelhead DPS (*Oncorhynchus mykiss*), Puget Sound Chinook Salmon ESU (*O. tshawytscha*), Coastal-Puget Sound DPS Bull Trout (*Salvelinus confluentus*), Yelloweye Rockfish, (*Sebastes ruberrimus*), Canary Rockfish (*Sebastes pinniger*), Bocaccio Rockfish (*Sebastes paucispinis*), Southern DPS Green Sturgeon (*Acipenser medirostris*), Humpback Whale (*Megaptera novaeangliae*), Southern Resident Killer Whale (*Orcinus orca*), Stellar Sea Lion (*Eumatopias jubatus*), and Marbled Murrelet (*Brachyramphus marmoratus*).

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [help]

According to the Priority Habitat and Species (PHS) database, the project area is listed as estuarine intertidal. Big brown bat (*Eptesicus fuscus*), Townsend's Big-eared bat (*Corynorhinus townsendii*), Pinto abalone (*Haliotis kamtschatkana*), and surf smelt (*Hypomesus pretiosus*) are mapped in proximity to the project, but beyond the immediate project limits.

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.ecy.wa.gov/opas/>.
- Governor's Office of Regulatory Assistance at (800) 917-0043 or help@ora.wa.gov.
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with the City of Oak Harbor (lead agency). The expected decision date is August 2014.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

Other: _____

SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [help]

LOCAL GOVERNMENT

Local Government Shoreline permits:

Substantial Development Conditional Use Variance

Shoreline Exemption Type (explain): _____

Other city/county permits:

Floodplain Development Permit Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

- Hydraulic Project Approval (HPA) Fish Habitat Enhancement Exemption – Attach Exemption Form

Effective July 10, 2012, you must submit a check for \$150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes:

- \$150 check enclosed. (Check # _____)
Attach check made payable to Washington Department of Fish and Wildlife.
- Charge to billing account under agreement with WDFW. (Agreement # _____)
- My project is exempt from the application fee. (Check appropriate exemption)
- HPA processing is conducted by applicant-funded WDFW staff.
(Agreement # _____)
 - Mineral prospecting and mining.
 - Project occurs on farm and agricultural land.
(Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use.)
 - Project is a modification of an existing HPA originally applied for, prior to July 10, 2012.
(HPA # _____)

Washington Department of Natural Resources:

- Aquatic Use Authorization
Complete JARPA Attachment E and submit a check for \$25 payable to the Washington Department of Natural Resources.
Do not send cash.

Washington Department of Ecology:

- Section 401 Water Quality Certification

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

- Section 404 (discharges into waters of the U.S.) Section 10 (work in navigable waters)

United States Coast Guard permits:

- General Bridge Act Permit Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. _____ (initial)

Applicant Printed Name

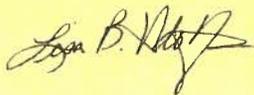
Applicant Signature

Date

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Lisa B. Adolfson
Authorized Agent Printed Name



Authorized Agent Signature

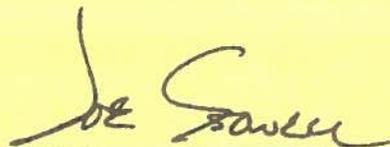
December 10, 2013
Date

11c. Property Owner Signature (if not applicant). [\[help\]](#)

Not required if project is on existing rights-of-way or easements.

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Joseph Stowell
Property Owner Printed Name



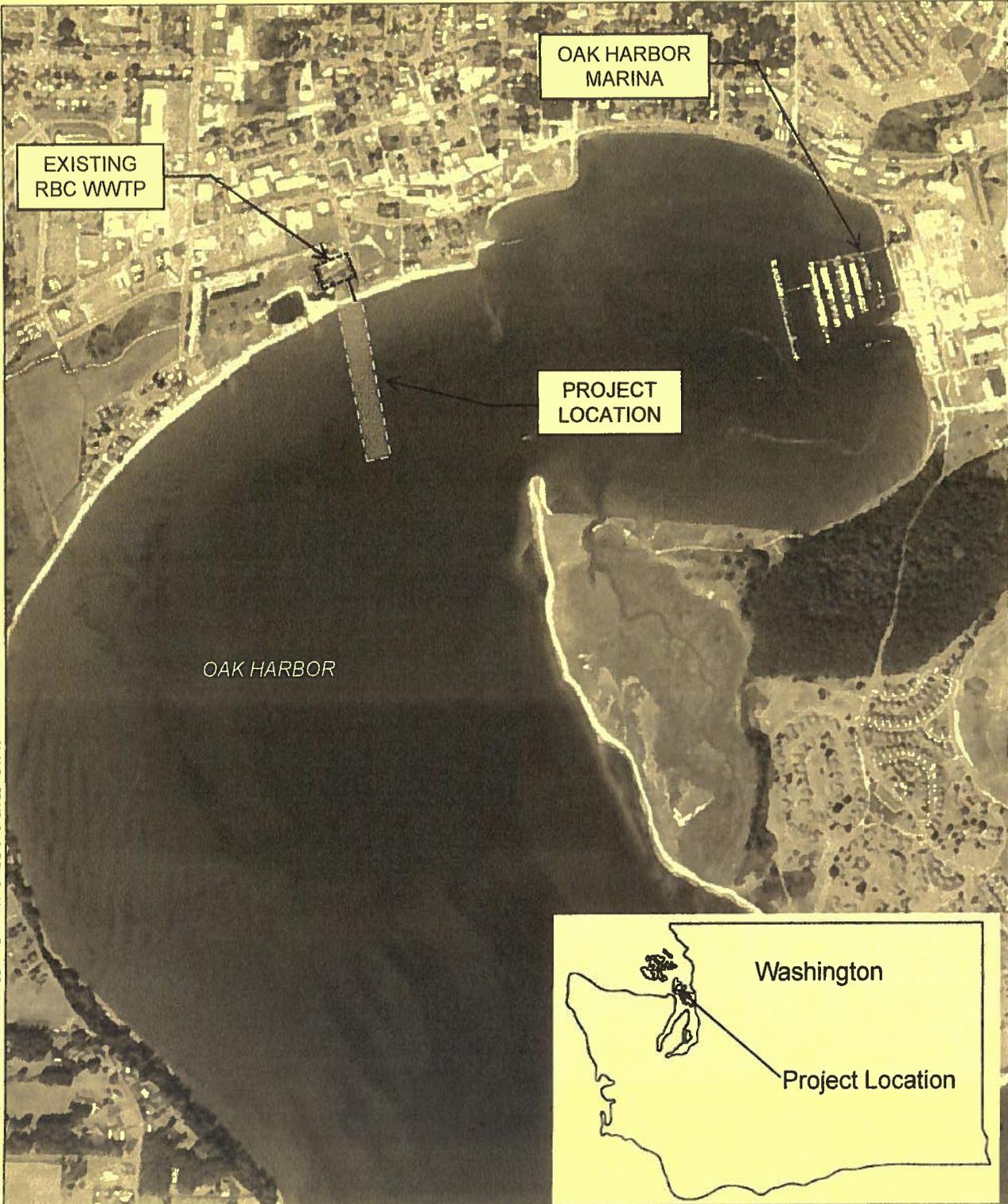
Property Owner Signature

December 16, 2013
Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

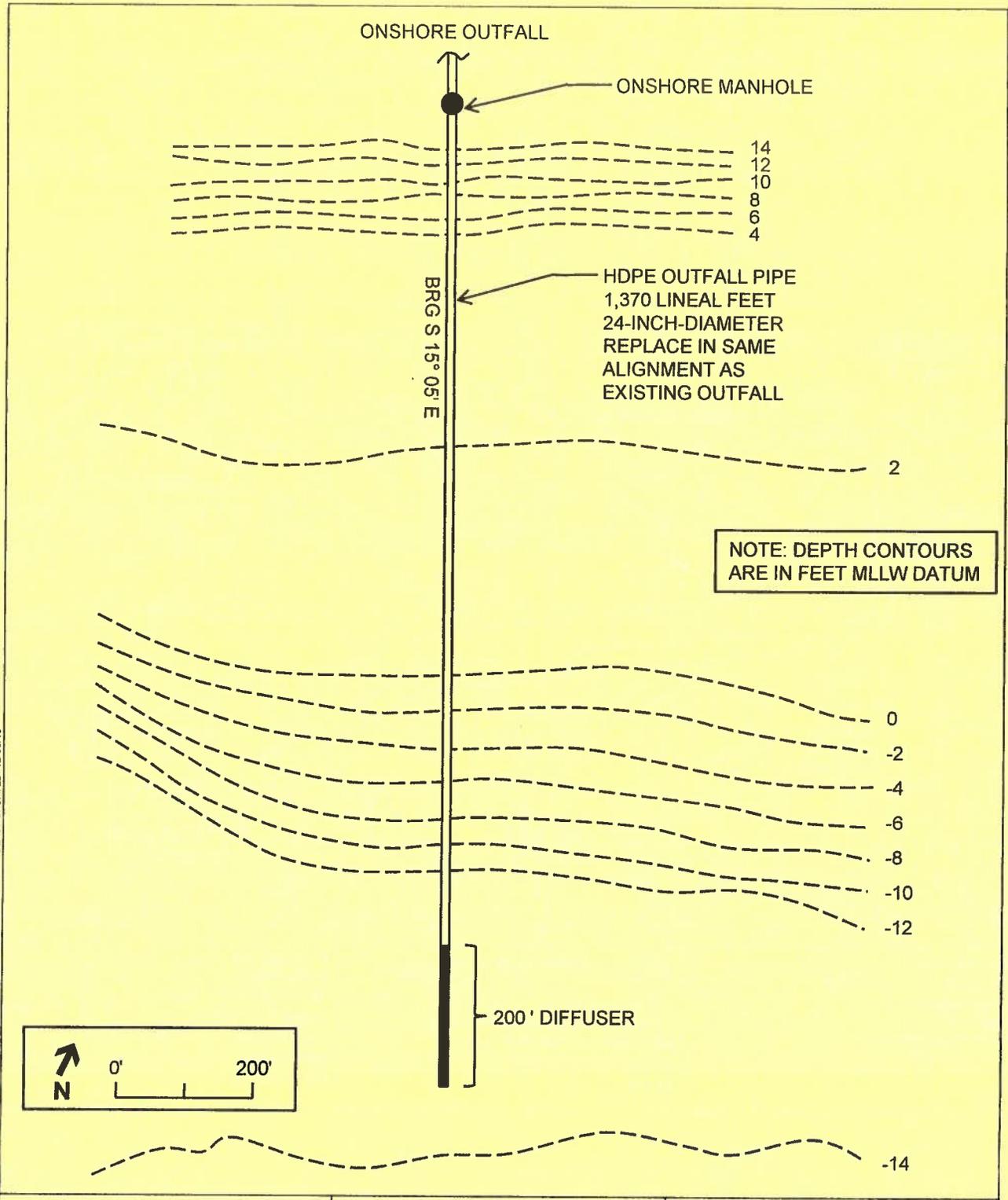
If you require this document in another format, contact the Governor's Office of Regulatory Assistance (ORA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORA publication number: ENV-019-09 rev. 06-12

FILE NAME: Sheet01_Location.ai / CREATED BY: DJP / REF #77777 / DATE LAST UPDATED: 12/08/13

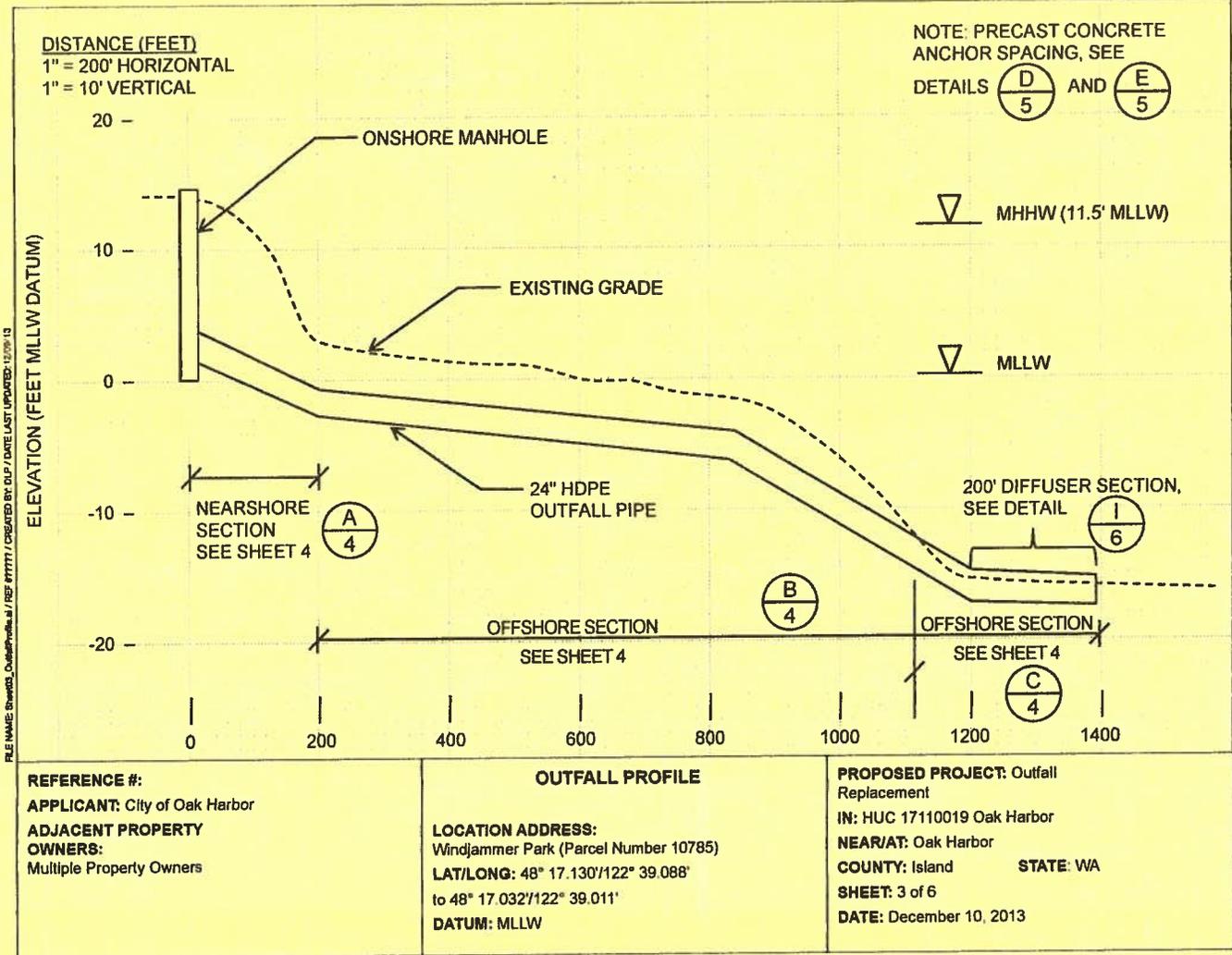


<p>REFERENCE #: APPLICANT: City of Oak Harbor ADJACENT PROPERTY OWNERS: Multiple Property Owners</p>	<p>PROJECT LOCATION</p> <p>LOCATION ADDRESS: Windjammer Park (Parcel Number 10785) LAT/LONG: 48° 17.130'/122° 39.088' to 48° 17.032'/122° 39.011' DATUM: MLLW</p>	<p>PROPOSED PROJECT: Outfall Replacement IN: HUC 17110019 Oak Harbor NEAR/AT: Oak Harbor COUNTY: Island STATE: WA SHEET: 1 of 6 DATE: December 10, 2013</p>
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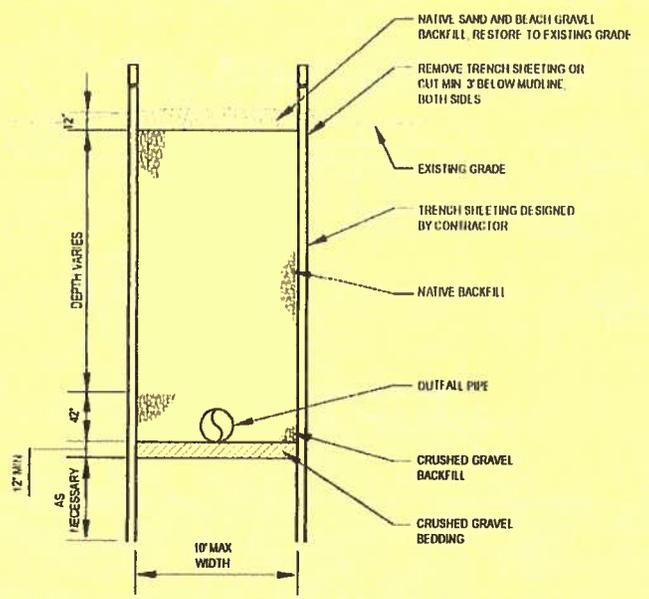
FILE NAME: Sheet02_PlanView.dwg / REF: #77777 / CREATED BY: DLP / DATE LAST UPDATED: 12/09/13



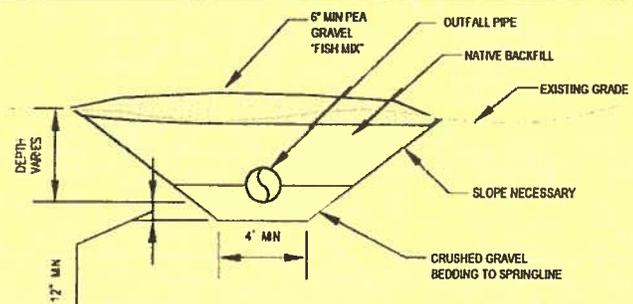
<p>REFERENCE #: APPLICANT: City of Oak Harbor ADJACENT PROPERTY OWNERS: Multiple Property Owners</p>	<p align="center">PLAN VIEW</p> <p>LOCATION ADDRESS: Windjammer Park (Parcel Number 10785) LAT/LONG: 48° 17.130'/122° 39.088' to 48° 17.032'/122° 39.011' DATUM: MLLW</p>	<p>PROPOSED PROJECT: Outfall Replacement IN: HUC 17110019 Oak Harbor NEAR/AT: Oak Harbor COUNTY: Island STATE: WA SHEET: 2 of 6 DATE: December 10, 2013</p>
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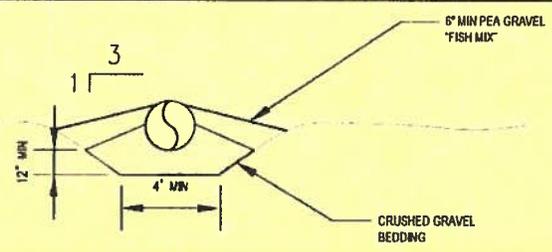
FILE NAME: Sheet04_TrenchDetails.a1 / REF: #77777 / CREATED BY: JAC / DATE LAST UPDATED: 12/09/13



TYPICAL NEARSHORE SECTION
A STA 0+00 TO STA 1+20
 NOT TO SCALE



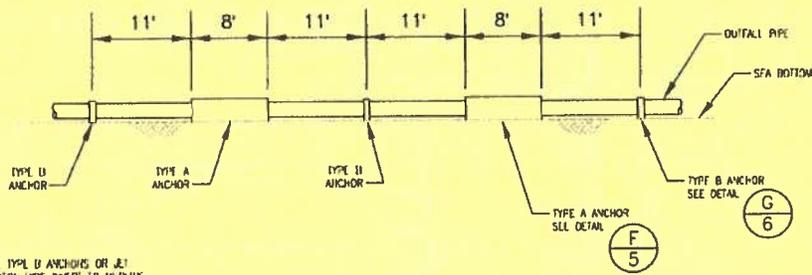
TYPICAL OFFSHORE BURIED SECTION
B STA 1+20 TO STA 11+00
 NOT TO SCALE



TYPICAL OFFSHORE TRANSITION SECTION
C STA 11+00 TO STA 13+70
 NOT TO SCALE

<p>REFERENCE #: APPLICANT: City of Oak Harbor ADJACENT PROPERTY OWNERS: Multiple Property Owners</p>	<p>TRENCH DETAILS</p> <p>LOCATION ADDRESS: Windjammer Park (Parcel Number 10785) LAT/LONG: 48° 17.130'/122° 39.088' to 48° 17.032'/122° 39.011' DATUM: MLLW</p>	<p>PROPOSED PROJECT: Outfall Replacement IN: HUC 17110019 Oak Harbor NEAR/AT: Oak Harbor COUNTY: Island STATE: WA SHEET: 4 of 6 DATE: December 10, 2013</p>
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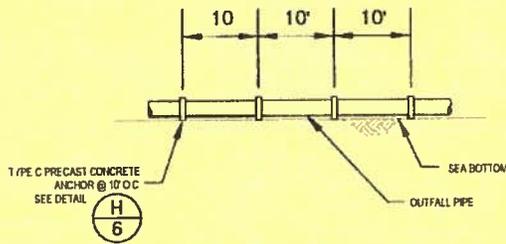
FILE NAME: Sheet05_Anchoral / REF: #77777 / CREATED BY: DLP / DATE LAST UPDATED: 12/09/13



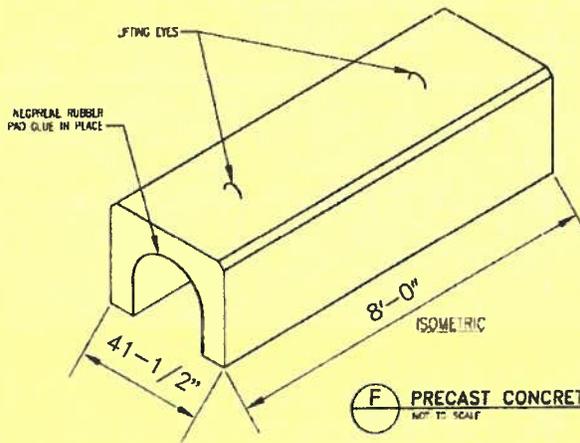
NOTE: VERTICAL TYPE D ANCHORS OR JET BENEATH TO MATCH PIPE RIVETS TO WELDLINE.

(D) ANCHOR SPACING DETAIL
STA 1+40 TO STA 12+00
NOT TO SCALE

NOTE: TYPE C ANCHORS TO BE LAID ON GRADE



(E) ALTERNATE ANCHOR SPACING DETAIL
STA 0+00 TO TERMINUS
NOT TO SCALE

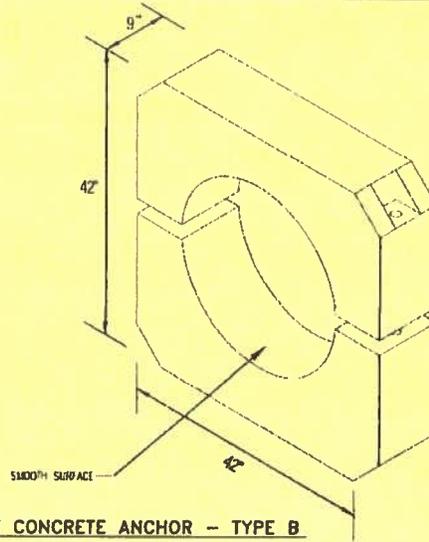


(F) PRECAST CONCRETE ANCHOR - TYPE A
NOT TO SCALE

<p>REFERENCE #: APPLICANT: City of Oak Harbor ADJACENT PROPERTY OWNERS: Multiple Property Owners</p>	<p>ANCHOR SPACING</p> <p>LOCATION ADDRESS: Windjammer Park (Parcel Number 10785) LAT/LONG: 48° 17.130'/122° 39.088' to 48° 17.032'/122° 39.011' DATUM: MLLW</p>	<p>PROPOSED PROJECT: Outfall Replacement IN: HUC 17110019 Oak Harbor NEAR/AT: Oak Harbor COUNTY: Island STATE: WA SHEET: 5 of 6 DATE: December 10, 2013</p>
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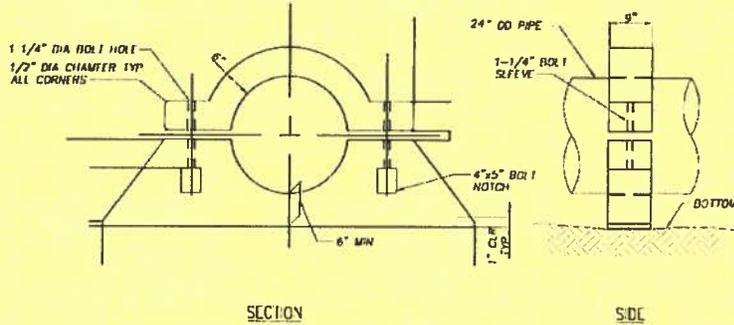
FILE NAME: Sheet06_AnchorDiffuser.dwg / REF #77777 / CREATED BY: djp / DATE LAST UPDATED: 12/09/13

- NOTES:
- 1 UNDERPAD MATERIAL 1/4" NEO-PRENE SPONGE PADDING WIDTH SHALL BE 11" MINIMUM TO PREVENT CONCRETE FROM CONTACTING PIPE SURFACE.
 - 2 CONCRETE INTERIOR SHOULD BE SMOOTH
 - 3 1 1/4" DIA STAINLESS STEEL ASTM A316 PIPE SLEEVES MAY BE USED AROUND THE ANCHOR BOLTS
 - 4 A MINIMUM 2" GAP BETWEEN MATING BLOCKS MUST BE MAINTAINED TO ALLOW FOR TIGHTENING OF THE PIPE
 - 5 ALL REINFORCEMENT SHALL BE EPOXY COATED GRADE 60
 - 6 BOLTS SHALL BE 1" DIA STAINLESS ASTM A316 WITH 1/4" A316 WASHERS AT EACH END, TIGHTEN EQUALLY BOTH SIDES
- JIT OR VIBRANT TYPE B ANCHORS INFO BOTTOM AS NEEDED TO STRAIGHTEN PIPE BETWEEN TYPE A ANCHORS

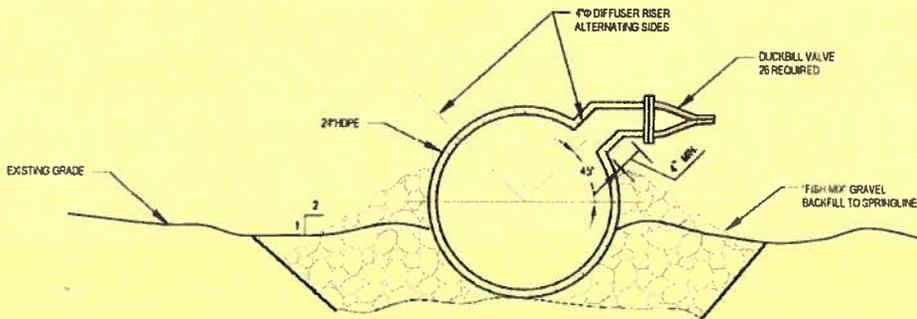


G PRECAST CONCRETE ANCHOR - TYPE B
NOT TO SCALE

- NOTES:
1. UNDERPAD MATERIAL: 1/4" NEOPRENE SPONGE PADDING WIDTH SHALL BE 11" MINIMUM TO PREVENT CONCRETE FROM CONTACTING PIPE SURFACE.
 - 2 CONCRETE INTERIOR SHOULD BE SMOOTH. APPLY UNDER PAD TO ALL INTERIOR SURFACE, FULL WIDTH OF ANCHOR.
 - 3 1 1/4" DIA HDPE PIPE SLEEVES MAY BE USED AROUND THE ANCHOR BOLTS
 - 4 BOLTS SHALL BE 1" DIA GRADE 2 TITANIUM RODS, 20" MIN LENGTH, 4" THREADED EA END, W/ 2 3/4" OD TYPE B GRADE 2 TITANIUM FLAT WASHERS AND GRADE 2 TITANIUM NUTS. TIGHTEN BOLTS EQUALLY BOTH SIDES. (NOT SHOWN)



H PRECAST CONCRETE ANCHOR - TYPE C
NOT TO SCALE



I DIFFUSER PORT DETAIL
NOT TO SCALE

REFERENCE #:

APPLICANT: City of Oak Harbor

ADJACENT PROPERTY OWNERS:

Multiple Property Owners

ANCHOR AND DIFFUSER PORT

LOCATION ADDRESS:
Windjammer Park (Parcel Number 10785)

LAT/LONG: 48° 17.130'/122° 39.088'
to 48° 17.032'/122° 39.011'

DATUM: MLLW

PROPOSED PROJECT: Outfall Replacement

IN: HUC 17110019 Oak Harbor

NEAR/AT: Oak Harbor

COUNTY: Island **STATE:** WA

SHEET: 6 of 6

DATE: December 10, 2013

