

April 13, 2020

Mohammed Riaz Khan 5500 Harbour Pointe Blvd., R104 Mukilteo, WA 98275

RE: ICOM, Revised Mitigation Plan

The City of Mukilteo has requested additional information regarding required changes to the proposed Islamic Center of Mukilteo. The applicant was required to make changes to the stormwater management plan to be in compliance with the City's updated stormwater requirements, as well as comply with the development standards for the access driveway. As a result, the site plan has been updated to incorporate these changes, and is reflective of the City of Mukilteo's approved SEPA determination (Mitigated Determination of Nonsignificance (MDNS)). To accommodate this development activity the applicant is proposing buffer width averaging to gain access into the southern part of the site, thereby avoiding all direct wetland impacts. Additionally, stormwater facilities and conveyance features are located completely outside of buffer areas.

As discussed in detail in the originally approved Critical Area Study and Buffer Averaging Plan (dated April 11, 2016 by WRI), due to the location of the on-site wetland near the entrance to the site, permanent buffer reductions are unavoidable. The proposed access driveway will parallel the eastern property line. There is no feasible alternative for access into the site that would result in less impact and that would achieve the same safety requirements. Placing the driveway as far as possible away from the wetland will minimize impacts to the greatest extent possible. The result is a minimum 20-foot wide buffer between a portion of the on-site wetland and the driveway, which is 50% of the standard 40-foot buffer, as allowed by code.

In order to gain access to the development area, the applicant proposes a revised buffer averaging plan pursuant to MMC 17.52B.100(G)(2). The total area of buffer to be reduced will amount to 1,181 square feet along the northeastern side of the property, while the total buffer area to be added will amount to 2,918 square feet. This averaging plan results in a 2.5:1 mitigation to impact ratio, which exceeds the City required ratio of 1:1.

Additional buffer impacts (350 sq. ft.) on the subject property were required for ROW dedicated frontage improvements. These improvements were required and implemented by the City, during the Harbour Pointe Boulevard widening project (see approved mitigation plan, attached). Mitigation for these buffer impacts have been previously approved. As a result, the applicant is

not required to provide mitigation. However, as these impacts occurred on the subject property, the 350 square feet of buffer impacts will be included in the site calculations on the Civil Engineering set (Wetland buffer impacts: 1,531 sq. ft.)

As a result of the proposed revised mitigation plan, the applicant is preserving an additional 1,737 square feet of buffer area to be protected in perpetuity. The revised plan thereby meets the standards outlined in the originally approved Critical Area Study and Buffer Averaging Plan (dated April 11, 2016 by WRI), and follows the City of Mukilteo's Mitigated Determination of Nonsignificance (MDNS) SEPA determination.

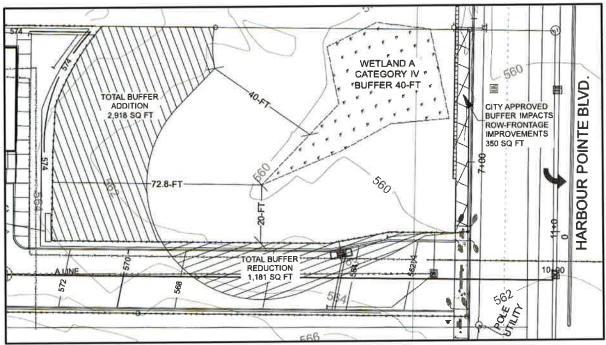


Figure 1. Revised Buffer Averaging Plan

Pursuant to MMC 17.52B.100(G)(2), the widths of buffers may be averaged if this will improve the protection of wetland functions or if it is the only way to allow for reasonable use of a parcel.

Averaging to allow reasonable use of a parcel may be permitted when all of the following are met, City code is in italics with WRI responses in normal text.

a. There are no feasible alternatives to the site design that could be accomplished without buffer averaging.

The proposed development plan aims to utilize the upland area on the western side of the property to avoid all wetland impacts. Required site access is an allowed use in buffers when no alternative exists. In this case, there is no alternate route to the developable area that avoids wetland or buffer impact. The access road has been designed to be the least impactful to critical areas and minimizes its overall footprint.

b. The averaged buffer will not result in degradation of the wetland's functions and values as demonstrated by a report from a qualified wetland professional.

The buffer after averaging will maintain the wetland's functions and values by providing no net loss of buffer, and provide an increase of 1,737 square feet of buffer area to be protected in perpetuity.

c. The total buffer area after being averaged is equal to the area required without the averaging.

The total averaged buffer area is equal to the buffer area required without averaging.

d. The buffer at its narrowest point is never less than fifty percent of the required buffer width.

The proposed final buffer maintains no less than 50% of the required buffer (40 feet), and it 20 feet wide at its narrowest.

e. Mitigation sufficient to compensate for the impacts as determined by a qualified specialist is provided for all buffer averaging proposals.

The buffer averaging as proposed, provides sufficient mitigation for the minor buffer reduction (1,181 sq. ft.) and results in a mitigation ratio of 2.5:1, which exceeds the City required ratio of 1:1.

It is in the opinion of WRI the above plan has successfully addressed the City of Mukilteo's request for additional information, as related to the required ICOM revised buffer averaging plan, as part of the proposed ICOM development project.

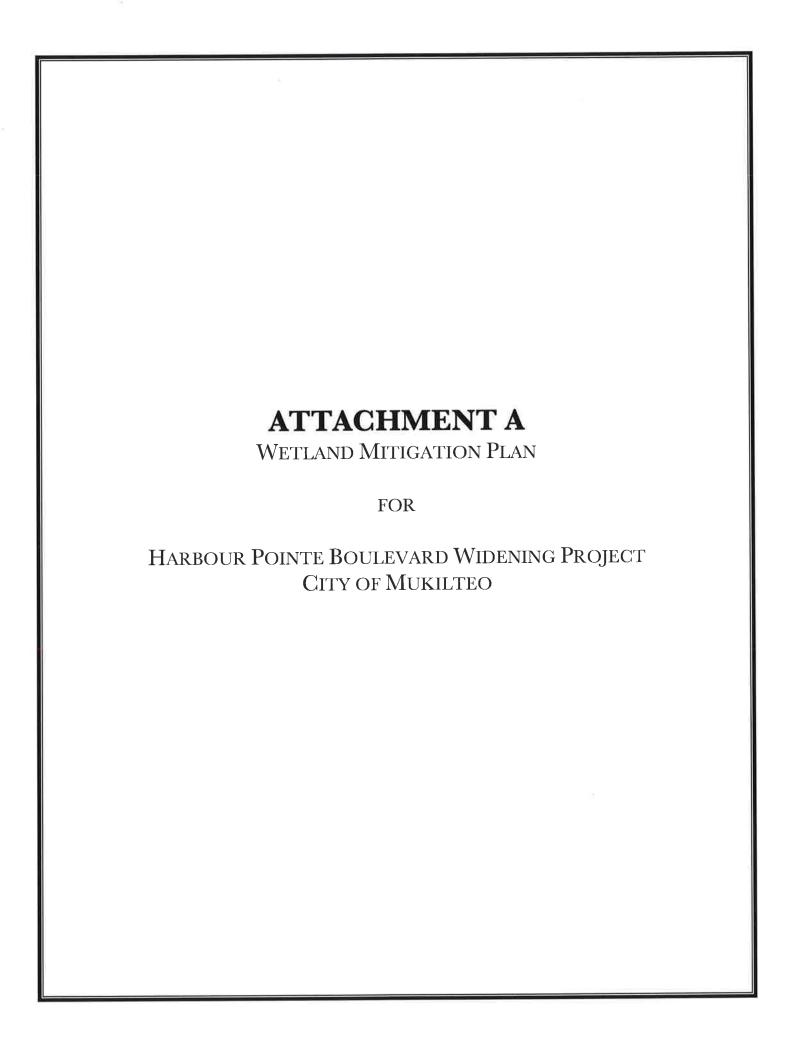
Should you have any questions or concerns, please do not hesitate to call. 425-337-3174.

Wetland Resources, Inc.

Joffmalet

Jeff Mallahan

Senior Wetland Ecologist



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Wetland Mitigation Plan

Harbour Pointe Boulevard Widening Project City of Mukilteo Public Works Department Mukilteo, Washington

for City of Mukilteo

December 19, 2017

GEOENGINEERS

600 Dupont Street Bellingham, Washington 98225 360.647.1510

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Figure 1. Vicinity Map

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1.0 INTRODUCTION

GeoEngineers, Inc. (GeoEngineers) was contracted by Tuttle Engineering and Management (TEAM) to develop a mitigation plan to compensate for unavoidable impacts to wetlands during the construction of the City of Mukilteo's proposed Harbour Pointe Boulevard Widening Project (Road Project).

The proposed Road Project is located within the City of Mukilteo on tax parcel numbers 004413-00004700, 004413-00004600, 004413-00001200 and 004412-00002800, within Section 27 of Township 28 North and Range 4 East of the Willamette Meridian (W.M.) (Figure 1 – Vicinity Map). The proposed mitigation site is located northeast of the 76th Street SW and 44th Avenue West intersection within the City of Everett, Washington (Figure 1). The mitigation work (Mitigation Project) is proposed to occur within the southeast corner of parcel No. 0631400000001 within Section 10 of Township 28 North and Range 4 East of the WM. Both the Road Project and Mitigation Project are located in WRIA 7 (Snohomish), within basins that drain directly to Puget Sound.

The purpose of this mitigation plan is to present the proposed development plans, to document measures taken by Mukilteo during development of the project to avoid and minimize impacts to wetlands and associated buffers, and to present proposed mitigation measures to compensate for the unavoidable impacts resulting from construction of the Road Project. Project permit drawings are included in Appendix A and site photographs are included in Appendix B.

2.0 PROJECT DESCRIPTION, PURPOSE AND NEED

Mukilteo is proposing to widen Harbour Pointe Boulevard SW and upgrade the operational components of the Harbour Pointe Boulevard SW/Cyrus Way intersection within the City of Mukilteo, Washington. The Road Project is classified as a reconstruction project that will mitigate collisions and provide public benefit by reducing congestion, increasing safety, improving business access, and improving the level of service at the intersections of Cyrus Way. The project will extend along Harbour Pointe Boulevard from State Route 525 (SR 525) to approximately 450 feet west of Cyrus Way (Appendix A – Sheets 4 and 5 of 8).

Left turn pockets with left turn sign phases will be added to all four legs at the intersection of Cyrus Way allowing left turn movements to be protected/permissive. An elevated, 8-foot wide shared-use path and 5-foot wide planter strip will be constructed on the south side of the boulevard to complete the sidewalk and bike path gap that currently exists. Adjacent to Wetland C, the planter strip will be eliminated, and the sidewalk narrowed to avoid impacts to the wetland.

Sidewalks along the east and west sides of Cyrus Way will be designed to draw pedestrians closer to the existing traveled way. At the intersection, proposed sidewalks will match against the back of curb. This is a standard design provision and is being done to minimize pedestrian crosswalk lengths, impacts to existing critical areas, and to avoid acquisition of new right-of-way. Roadway lane widths have been designed to best accommodate semi-truck turning movements as well as to minimize environmental impacts. Proposed paving limits have been minimized to reduce impacts on stormwater and downstream critical areas. Stormwater management will address both flow control and water quality in one combined wet vault/detention facility and a water quality structure which will contain Contech filters.

Project elements will provide comprehensive safety improvements that accommodate expected increases in traffic within the corridor. Overall outcomes will include increased corridor safety and capacity, reduced



- Excavators
- Rollers
- Pickup trucks
- Pavement cutters
- Pavement grinders
- Paving machines
- Concrete trucks
- Striping machines
- Cranes

2.2. Impact Avoidance, Minimization Measures, and Best Management Practices

Permitting conditions are expected to include requirements that will directly or indirectly control temporary and permanent impacts to the project area and surrounding vicinity. Temporary erosion and sedimentation control (TESC) measures, such as straw wattles or silt fencing, will be utilized during the project to avoid impacts to Endangered Species Act (ESA) listed species. Provided that TESC measures are selected and implemented properly, it is expected that no sediment laden runoff will leave the site and that there will be no impacts to ESA-listed species resulting from construction stormwater.

The contractor will install TESC best management practice (BMP) measures prior to project initiation, as needed. TESC BMP measures will be inspected, maintained and augmented if necessary, to prevent impacts to ESA-listed species. After completion of the project, TESC controls will be removed from the area for off-site disposal. The contractor will produce a Storm Water Pollution Prevention Plan (SWPPP) that will address spill prevention, fuel storage, if needed and erosion control.

3.0 REGULATORY REQUIREMENTS

The proposed Project will require authorization from multiple local, state and federal agencies. Anticipated environmental and land use authorizations include, but may not be limited to the following:

- City of Mukilteo
 - Land Disturbance Permit/Critical Areas Review
 - State Environmental Policy Act (SEPA) determination
- City of Everett
 - Land Use Application/Critical Areas Review
- Washington State Department of Ecology
 - Section 401 Water Quality Certification (likely issued with Nationwide Permit)
 - National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit coverage



See the Wetland and Stream Delineation Report (GeoEngineers, 2017a) and Critical Area Study and Buffer Averaging Plan by others (Wetland Resources, Inc., 2016) for more information on site wetlands.

5.0 WETLAND IMPACTS

Completion of the proposed Project will result in 1,016 square feet of wetland fill (Appendix A, Sheet 4 of 8). The project was designed to avoid wetland impacts where possible. Adjacent to Wetland C the planter strip was eliminated, and a retaining wall has been designed to reduce road prism fill and avoid impacts to Wetland C (Appendix A, Sheet 5 of 8). In addition, a large portion of the fill that is occurring within Wetland A is impacting a cattail and reed canary grass dominated ditch. A new ditch will be constructed on the southwest side of the new sidewalk, thereby replacing some of the conveyance and habitat on-site. Buffer areas of Wetland A that will be impacted to create the sidewalk are dominated by grassy areas of gravel, reed canary grass and Himalayan blackberry.

6.0 PROPOSED MITIGATION

Unavoidable wetland impacts associated with the Harbour Pointe Boulevard Widening Project will be compensated for through wetland creation, wetland enhancement, buffer creation and buffer enhancement at the Japanese Gulch Mitigation site located northeast of the 76th Street SW and 44th Avenue West intersection within the City of Everett, Washington (Appendix A, Sheets 1, 3, 6 and 8 of 8). Japanese Gulch has been identified by the City of Mukilteo in their Critical Areas Mitigation Program (CAMP) as an area for wetland and buffer mitigation (Appendix C – Background Maps). The Japanese Gulch property consists of several parcels owned by the City of Mukilteo that total approximately 7.45 acres (Parcel Nos. 00628500000001, 00631400000001, 00491200000101, 28041000201400). The property is in the southwest portion of the City of Everett, adjacent to the Mukilteo city limits. The proposed mitigation site is located in the southeast corner of parcel No. 0631400000001 (Appendix C).

6.1. Existing Conditions at Japanese Gulch Mitigation Site

A community garden is located on the west end of the Mukilteo property (within parcel No. 00628500000001) and public formal and informal hiking trails are located in the east end of the Mukilteo property (within parcel No. 0631400000001). A paved roadway extends east/west across the southern portion of the Mukilteo property and is used by mountain bikers and hikers to access the trails. The proposed mitigation site is located in an approximately 55-acre area consisting of 11 parcels owned by the City of Mukilteo, west of Japanese Gulch Creek. The parcels containing the mainstem of Japanese Gulch Creek are owned by the BNSF railway company (Parcel Nos. 28041000200600 and 28040300300300). A railway line extends along the eastern edge of Japanese Gulch Creek.

Sheet 3 of Appendix A depicts wetlands identified within the proposed Japanese Gulch mitigation area. The vast majority of the Mukilteo-owned parcels in Japanese Gulch are dominated by a mature mixed coniferous and deciduous forest of western red cedar (*Thuja plicata*) and red alder (*Alnus rubra*) with salmonberry (*Rubus spectabilis*) and sword fern (*Polystichum munitum*) in the understory. The portions of the Japanese Gulch CAMP parcels identified by Mukilteo for mitigation, are dominated by weedy species including non-native weeds such as Himalayan blackberry (*Rubus armeniacus*) and some reed canary grass, as well as native aggressive species including trailing blackberry (*Rubus ursinus*) and fireweed (*Chamerion angustifolium*). Trees within the CAMP areas identified for wetland and buffer mitigation include hawthorn (*Crataegus sp.*), red alder, cottonwood and young western red cedar. Additional descriptions of the



- Create buffer habitat where pavement currently exists
- Enhance wetland and buffer habitat at the mitigation site

Based on the stated goals above, the mitigation plan objectives are:

- Replace lost wetland functions of the permanently impacted wetland at the project site.
- Create additional wetland habitat by lowering the grade of the area immediately south of Wetland A at Japanese Gulch, and by removing existing pavement and lowering the grade of the pavement removal area.
- Restore more natural hydrology to the site by decommissioning a catch basin on the existing access road and by removing a man-made berm south of the access road that currently blocks surface water flowing south.
- Increase cover and diversity of native plant species within the wetland and buffer mitigation areas by installing native tree, shrub and emergent plant species.
- Restore any temporarily impacted buffer areas at the project site and at the mitigation site by restoring grades and seeding with a native seed mix. Any shrubs that are impacted in the new wetland buffer area, will be replaced at a 3:1 ratio.

Permanent fill impacts to 1,016 square feet of the Category III wetland (Wetland A) at the Harbour Pointe Boulevard Widening Project site will be offset by 2,105 square feet of wetland creation at the Japanese Gulch Mitigation Site (slightly larger than a 2:1 ratio). Per Everett Municipal Code (EMC) 19.37.120(C)(5) and per Mukilteo Municipal Code (MMC) 17.52B.130(B)(2) the standard wetland compensation ratio for impacts to a Category III wetland is 2:1 for re-establishment or creation.

6.3. Mitigation Work Plan for Off-Site Mitigation

6.3.1. Site Modifications and Wetland Functions Provided at the Mitigation Project Site

Hydrologic, water quality, and ecological processes and functions will be increased at the Japanese Gulch Mitigation Project site by redirecting surface flows into naturally occurring pathways, creating areas of temporary ponding, and re-establishing forest, scrub-shrub and emergent habitat within wetlands and uplands.

The following is a summary of proposed grading and planting activities at the site (see attached JARPA drawings in Appendix A):

- Enhance approximately 315 square feet of existing wetland habitat (Wetland A) by:
 - Removing reed canary grass and scraping off the top 6 to 10 inches of soil to remove the rhizomes and seed source.
 - Top-dress the area with 6 inches of topsoil and seed with native wetland seed mix.
 - Install native trees and shrubs per the attached JARPA drawings.



construction season (summer of 2018 or summer of 2019), and construction sequencing will therefore follow a 1-year/1-season construction approach. Potential effects of the Road Project and the Advance Mitigation Project on species listed under the ESA are discussed in the project Biological Evaluation No Effects Letter (GeoEngineers, 2017c).

Below is a general outline of the construction sequence anticipated for the proposed mitigation project. Construction sequencing may change based on final designs.

- Site Preparation
- Mobilize to site
 - Establish site survey control and project layout staking.
 - Install Erosion Control BMPs in accordance with the site SWPPP, to be developed in accordance with Ecology's 2012 Stormwater Management Manual for Western Washington, as amended in December 2014 (Ecology, 2014).
 - No clearing or grubbing is anticipated.
- Construct created wetland area (4,850 square feet)
 - Remove asphalt (2 inches thick) and rock subgrade (6 to 10 inches thick) within the wetland creation area shown on the JARPA drawings and excavate to subgrade.
 - Decommission the catch basin in the existing road.
 - Weed whack reed canary grass within the buffer area south of Wetland A.
 - Lower the grade of the buffer area south of Wetland A and southeast of pavement removal area excavating to subgrade.
 - Stockpile topsoil from all reed canary grass areas separately for later disposal.
 - Stockpile all other topsoil in adjacent upland areas for later reuse.
 - Remove earthen berm along southern edge of mitigation area and grade to match adjacent grades.
 - Install imported and stockpiled topsoil to design grade as shown on the JARPA drawings including creation of eight topsoil mounded areas with approximate dimensions of 2½ to 3 feet diameter and 10 inches above finished grade.
 - Apply 4 inches of wood chip mulch within areas of the wetland that match adjacent grades and within all disturbed upland areas.
 - Seed created wetland depression areas with a native wetland seed mix (no mulch should be applied in areas where temporary ponding is anticipated).
 - If straw is used to stabilize areas of disturbed soil as a temporary BMP, only certified weed-free straw will be used.
 - Control reed canary grass within the wetland enhancement area (Wetland A) and portions of the buffer enhancement areas
 - Weed whack reed canary grass.
 - Scrape off the top 6 to 10 inches of soil to remove the rhizomes and seed source.
 - Top-dress the area with 6 inches of topsoil, stabilize and seed with native wetland seed mix.



Observations to be recorded during each monitoring event will include:

- individual plant counts during the Year-0 and Year-1 monitoring events, by species, of native plants along each transect/within each monitoring station;
- estimated combined total percent aerial cover of all native plant species (visual estimate) within each transect/station during monitoring events for Years 2, 3, and 5;
- condition of native plants along each transect/within each station (alive, stressed, or dead);
- estimated cover of invasive plant species along each transect/within each station;
- within wetland creation areas (not including paper buffer areas) observations of wetland hydrology including surface water, high water table, and/or saturation (a soil pit is required for observing a high water table and saturation);
- observation of wildlife or signs of wildlife use;
- observations of damage to the restoration plantings and maintenance needs; and
- photographs of each transect/station.

Data collected during the Year zero event will be used as a baseline to compare with data collected during Years 1, 2, 3, and 5. Survival of the restoration plantings will be identified by comparing Year-zero counts to counts documented during subsequent monitoring years.

6.4.1. Performance Standards

Survival and percent aerial cover statistics generated from data collected during monitoring events will be compared to performance standards to check if the site is meeting the goals and objectives of the restoration plan.

Performance standards for the site, estimated along transects/within stations, are:

- Native plant species will have a minimum of 100 percent survival after Year-1.
- Native plant aerial cover shall achieve the following:
 - A minimum of 10 percent by the end of Year-2.
 - A minimum of 30 percent by the end of Year-3.
 - A minimum of 50 percent by the end of Year-5.
- Invasive, exotic and undesirable species shall be represented by less than 10 percent coverage in the buffer restoration area, or observations shall support the conclusion that invasive, exotic and undesirable species are not competing with native plants in a way that is inhibiting their growth.

Monitoring reports with a photographic log will be submitted by December 31 after the Year-zero event and after the Year-1, -2, -3, and -5 events. After Year-1, all observed dead plants will be replaced. If the percent aerial cover performance standards are not met during the Year-2, -3 or -5 events, additional plants will be installed throughout the mitigation area to achieve the aerial cover performance standard. Maintenance needs such as trash removal, vandalism, invasive species removal and watering of plants will also be noted in the monitoring report.

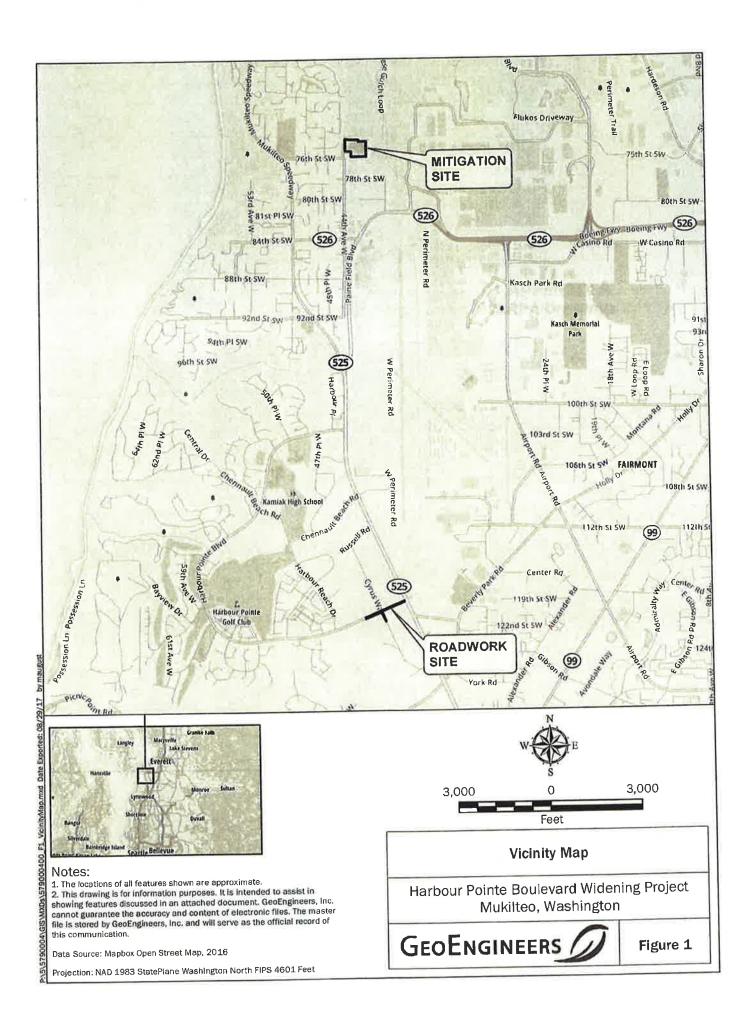


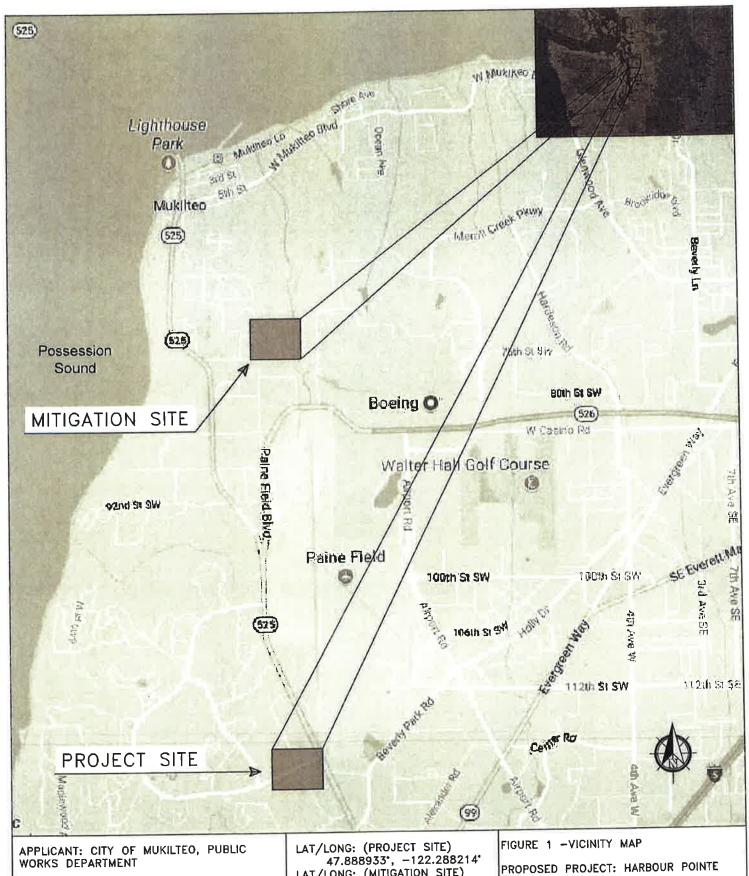
The applicant is advised to contact all appropriate regulatory agencies (local, state and federal) prior to design or construction of any development to obtain necessary permits and approvals.

9.0 REFERENCES

- City of Mukilteo. Chapter 17.52 Critical Areas Regulations. Available at: http://www.codepublishing.com/WA/Mukilteo/
- GeoEngineers, Inc. 2017a. "Wetland and Stream Delineation Report, Harbour Pointe Boulevard Widening Project. Mukilteo, Washington." GEI File No. 5790-004-00, December 18, 2017.
- GeoEngineers, Inc. 2017b. "Japanese Gulch Wetland Delineation Report, Harbour Pointe Boulevard Widening Project. Mukilteo, Washington." GEI File No. 5790-004-00, December 19, 2017.
- GeoEngineers, Inc. 2017c. "Biological Evaluation No Effects Letter, Harbour Pointe Boulevard Widening Project. Mukilteo, Washington." GEI File No. 5790-004-00, December 19, 2017.
- Washington State Department of Ecology, 2014. "2012 Stormwater Management Manual for Western Washington, as Amended in December 2014". Olympia, Washington. Available at: http://www.ecy.wa.gov/programs/wq/stormwater/manual.html
- Wetland Resources, Inc., 2016. "Critical Area Study and Buffer Averaging Plan for ICOM Harbour Pointe Blvd, Mukilteo, WA." Wetland Resources, Inc. Project # 14060. Prepared for Mohammed Khan.
- Washington State Department of Ecology, U.S. Army Corps of Engineers Seattle District, and U.S. Environmental Protection Agency Region 10, 2006. Wetland Mitigation in Washington State Part 1: Agency Policies and Guidance (Version 1). Washington State Department of Ecology Publication #06-06-011a.







REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

LAT/LONG: (MITIGATION SITE)

47.930044", 122.290486" DATUM: LIDAR

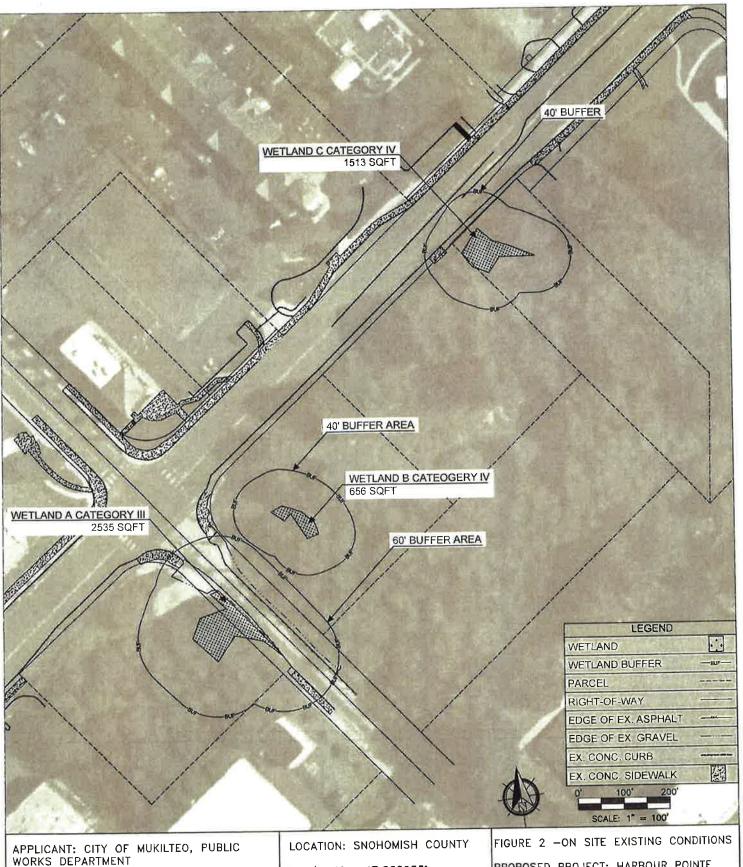
DATE: 11/30/2017

SHEET 1 OF 8

BOULEVARD WIDENING

COUNTY: SNOHOMISH NEAR: MUKILTEO

STATE: WASHINGTON



REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

LAT/LONG: 47.888933°, -122.288214°

DATUM: LIDAR

DATE: 11/30/17

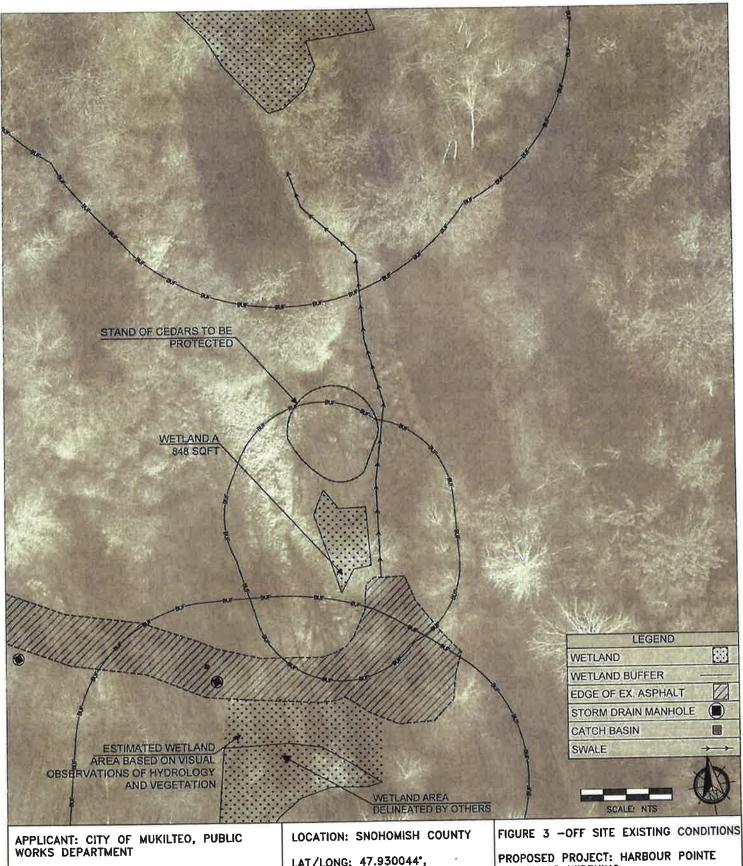
SHEET 2 OF 8

PROPOSED PROJECT: HARBOUR POINTE

BOULEVARD WIDENING

COUNTY: SNOHOMISH NEAR: MUKILTEO

STATE: WASHINGTON



REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

LAT/LONG: 47.930044°,

122.290486*

DATUM: LIDAR

SHEET 3 OF 8

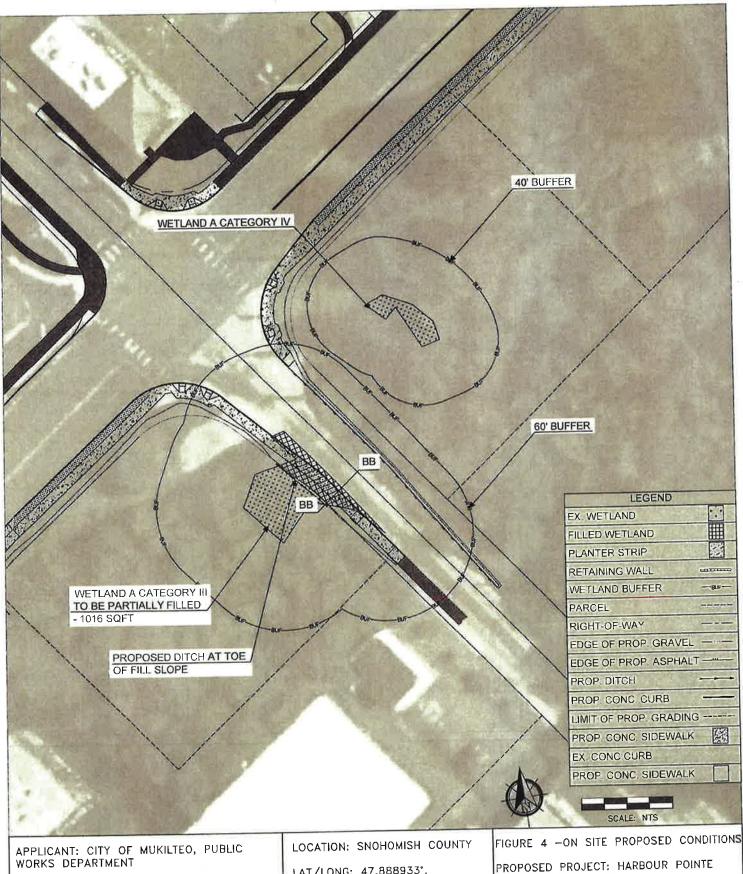
DATE: 11/30/17

PROPOSED PROJECT: HARBOUR POINTE BOULEVARD WIDENING

COUNTY: SNOHOMISH NEAR: MUKILTEO

STATE: WASHINGTON

TUTTLE ENGINEERING AND MANAGEMENT



REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

LAT/LONG: 47.888933°, -122.288214°

DATUM: LIDAR

DATE: 11/30/17

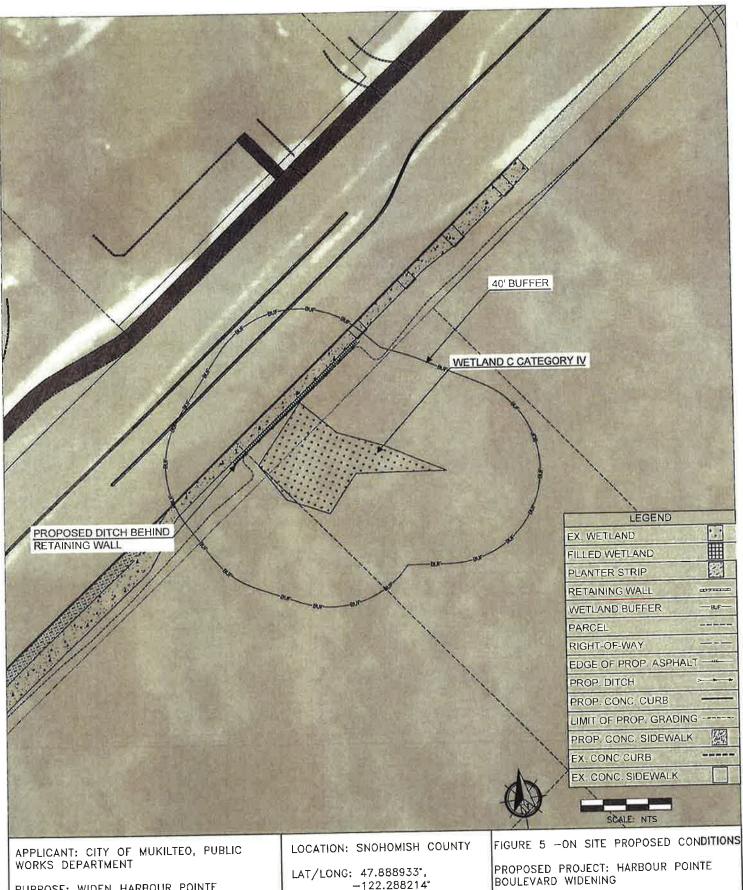
SHEET 4 OF 8

BOULEVARD WIDENING

COUNTY: SNOHOMISH NEAR: MUKILTEO

STATE: WASHINGTON

TUTTLE ENGINEERING



ACCE 33

REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

DATUM: LIDAR

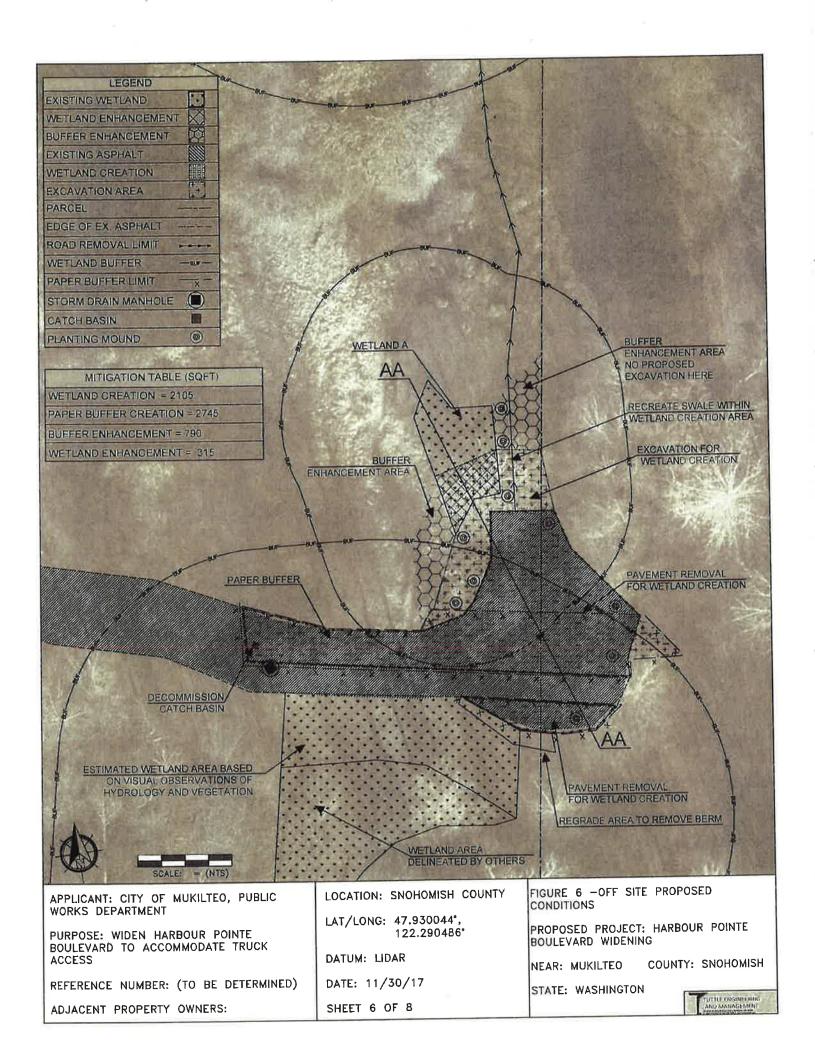
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SHEET 5 OF 8

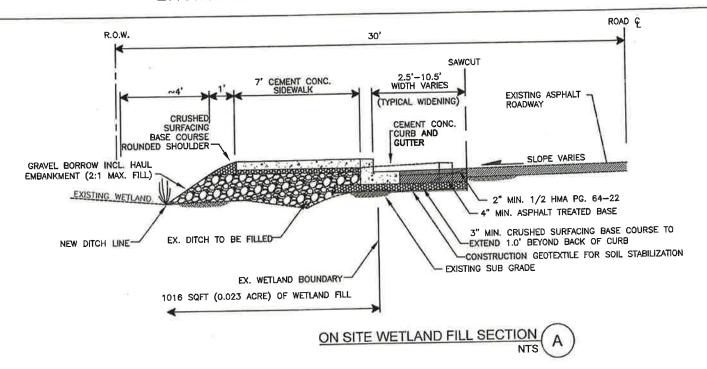
NEAR: MUKILTEO COUNTY: SNOHOMISH

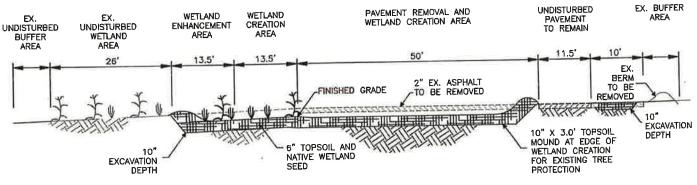
STATE: WASHINGTON

TUTTUE ENGINEERING AND MANAGEMENT



ENGINEERED WETLAND GRADING SECTION





NOTE: AT SOUTHERN BOUNDARY WETLAND CREATION MATCH FINISHED GRADE TO ADJACENT GRADE TO FACILITATE FLOWS FROM SOUTH TO NORTH

OFF SITE WETLAND CREATION SECTION

APPLICANT: CITY OF MUKILTEO, PUBLIC WORKS DEPARTMENT

PURPOSE: WIDEN HARBOUR POINTE BOULEVARD TO ACCOMMODATE TRUCK **ACCESS**

REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

LOCATION: NA

LAT/LONG: NA

DATUM: NA

DATE: 11/30/17

SHEET 7 OF 8

FIGURE 7 -PROPOSED WETLAND FILL AND WETLAND ENHANCEMENT SECTIONS

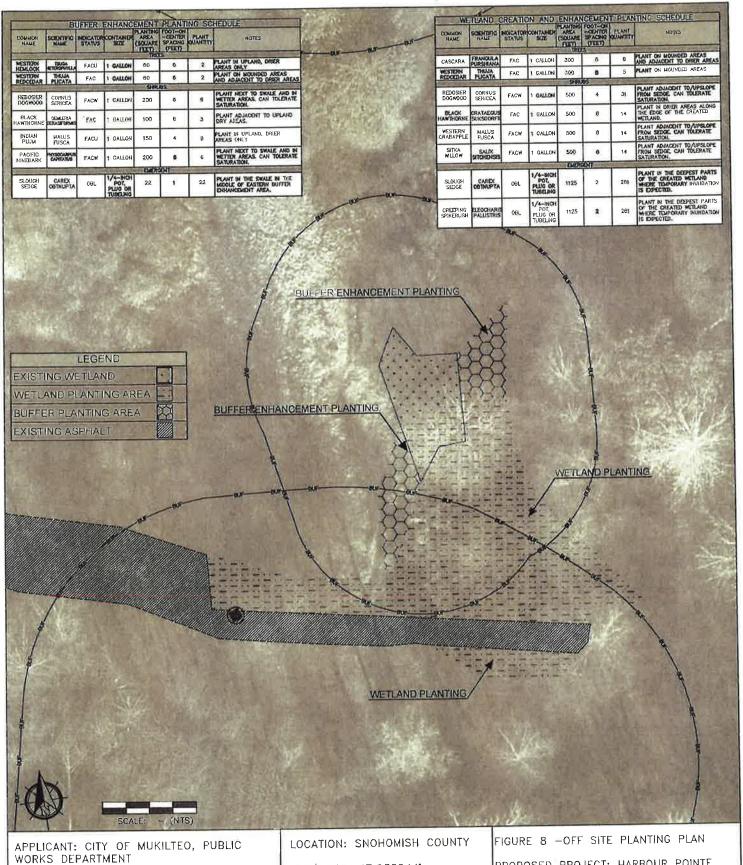
PROPOSED PROJECT: HARBOUR POINTE

BOULEVARD WIDENING

NEAR: MUKILTEO

COUNTY: SNOHOMISH

STATE: WASHINGTON



ACCESS

REFERENCE NUMBER: (TO BE DETERMINED)

ADJACENT PROPERTY OWNERS:

LAT/LONG: 47,930044°,

122.290486°

DATUM: LIDAR

DATE: 11/30/17

SHEET 8 OF 8

PROPOSED PROJECT: HARBOUR POINTE

BOULEVARD WIDENING

NEAR: MUKILTEO COUNTY: SNOHOMISH

STATE: WASHINGTON

TUTTLE ENGINEERING AND MANAGEMENT

APPENDIX B
Site Photographs



Photograph 1. Road Project Site: Google Earth *Street View* photograph, looking east along Harbour Pointe Boulevard near the west end of the project area.



Photograph 2. Road Project Site: Google Earth Street View photograph, looking west along Harbour Pointe Boulevard near the east end of the project area.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington





Photograph 3. Road Project Site: Upland habitat adjacent to Wetland A on the west side of the project area.



Photograph 4. Road Project Site: Typical uplands adjacent to Wetland A on the west side of the project site.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington

GEOENGINEERS /





Photograph 5. Road Project Site: Dominant vegetation in Wetland A, red alder and hardhack.



Photograph 6. Road Project Site: Soils within sample plot for Wetland A.

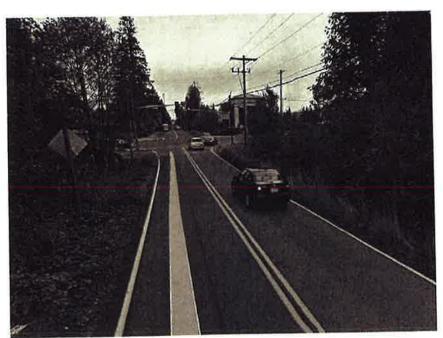
Harbour Pointe Boulevard Widening Project Mukilteo, Washington







Photograph 7. Road Project Site: Google Earth Street View photograph, looking south along Cyrus Way towards Wetland A.



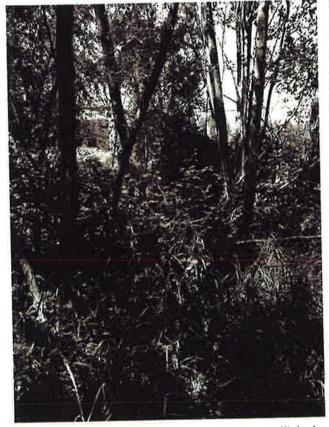
Photograph 8. Road Project Site: Google Earth Street View photograph, looking north along Cyrus Way. Wetland A is on the left side of the photograph and Wetland B is in the trees on the right side of the photograph.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington





Photograph 9. Road Project Site: Upland habitat adjacent to Wetland B on the central to east side of the project area.



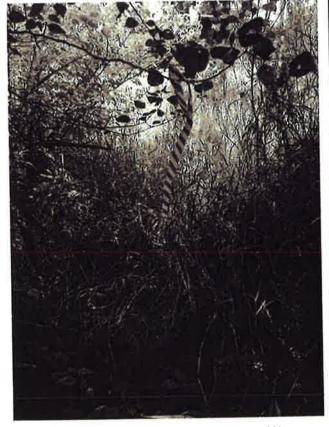
Photograph 10. Road Project Site: Upland habitat adjacent to Wetland B on the central to east side of the project area.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington





Photograph 11. Road Project Site: Wetland B is dominated by a thick herbaceous understory of Slough sedge. No proposed impacts to Wetland B.



Photograph 12. Road Project Site: Vegetation community within Wetland B. No proposed impacts to Wetland B.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington





Photograph 13. Mitigation Project Site: Looking south towards the mitigation area, swale that drains from the mitigation area, north to a wetland north of the mitigation parcel. Person in the photograph is standing adjacent to Wetland A.



Photograph 14. Mitigation Project Site: Upland habitat west of the proposed mitigation area. This area is outside of the buffer of the proposed created wetland. No work is proposed within this area.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington





Photograph 15. Mitigation Project Site: Looking southeast within and towards the proposed mitigation area. Pavement will be removed and constructed earthen berm on the right of the photo will be graded to match adjacent grade. Public trallhead is at Ecology blocks in upper left of photo.



Photograph 16. Mitigation Project Site: Looking north within and towards the proposed mitigation area. Pavement will be removed and some upland area will be graded down to create wetland habitat.

Harbour Pointe Boulevard Widening Project Mukilteo, Washington





Photograph 17. Mitigation Project Site: Existing wetland directly south of the proposed mitigation

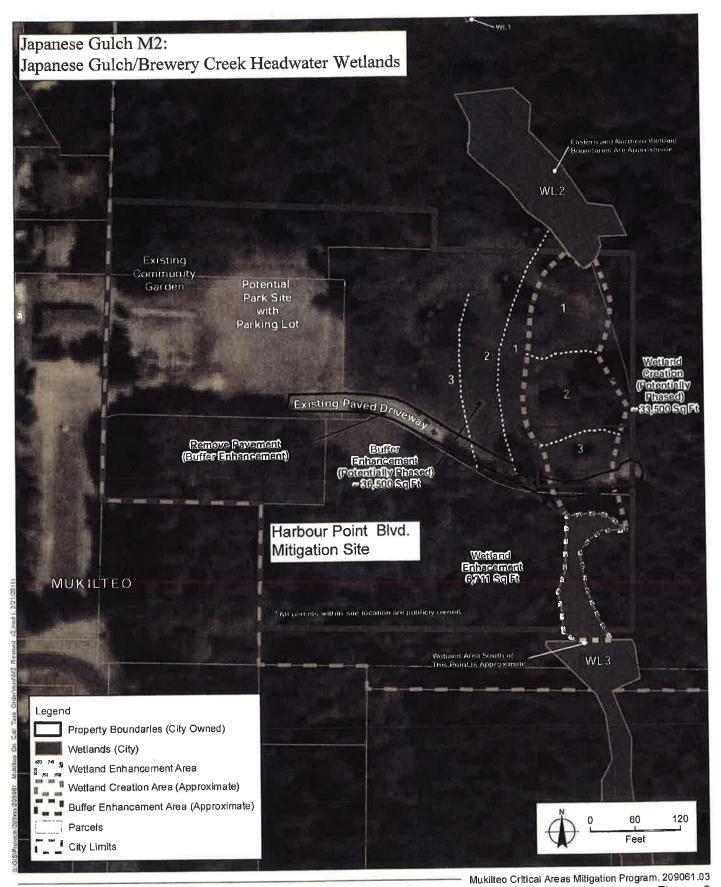


Photograph 18. Mitigation Project Site: Forested area east of the proposed mitigation site with public trails.

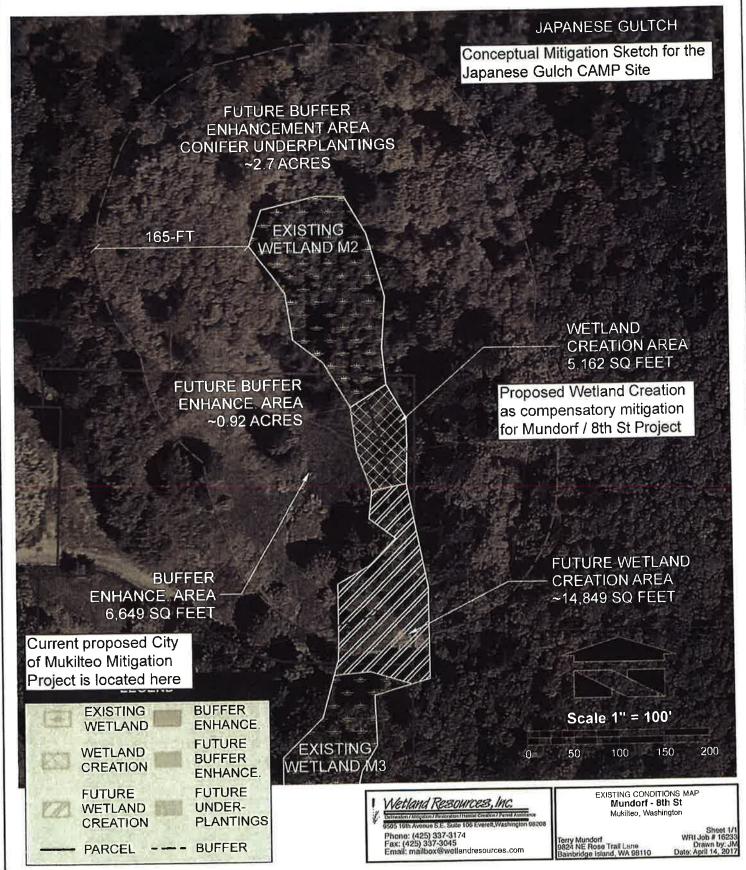
Harbour Pointe Boulevard Widening Project Mukilteo, Washington



APPENDIX C
Background Maps



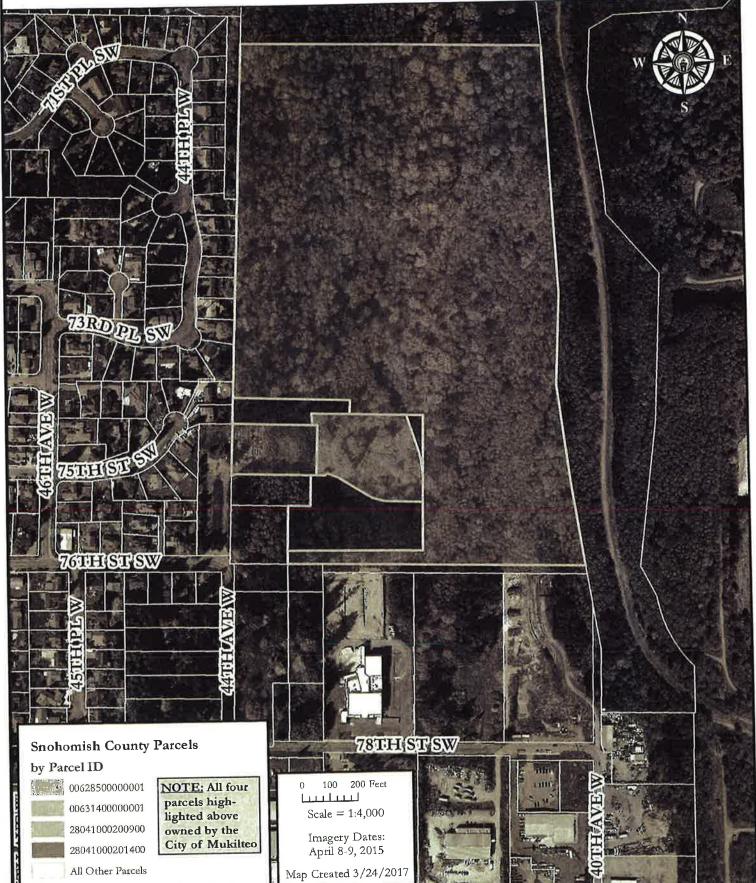
CONCEPTUAL MITIGATION PLAN Mundorf - 8th St PORTION OF SECTION 4, TOWNSHIP 28N, RANGE 4E, W.M.

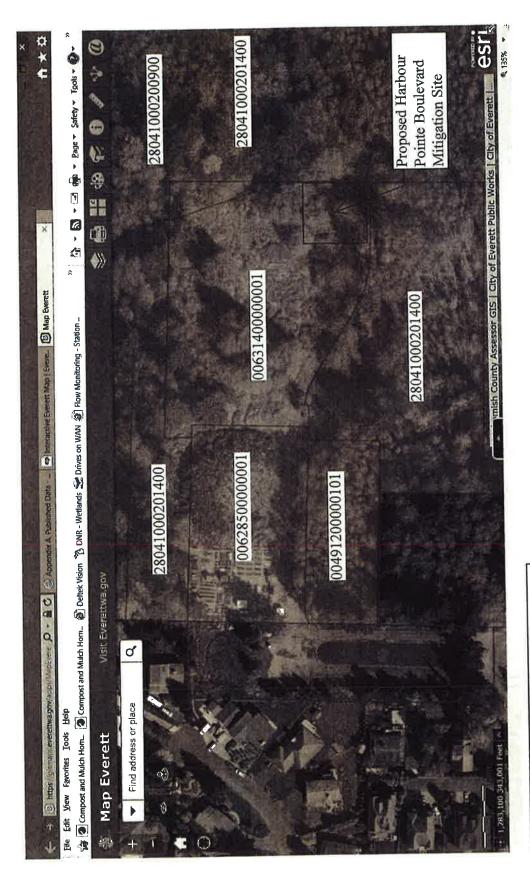




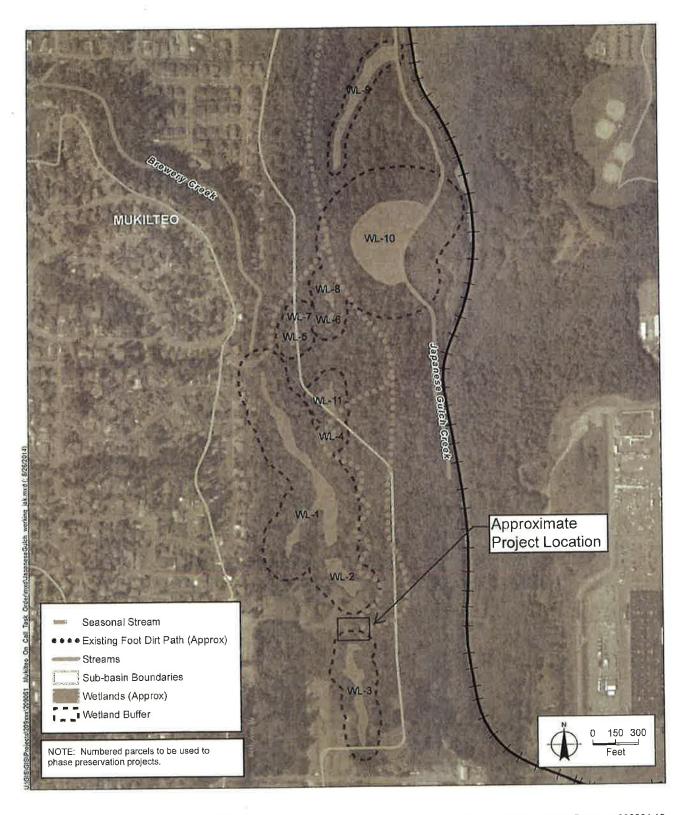
CAMP Mitigation Property Ownership

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Japanese Gulch Mitigation Site Parcels



Mukilteo Critical Areas Mitigation Program. 209061.10
Figure 1
Japanese Gulch Wetland Buffers
Mukilteo, Washington