



DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 15-129126-WD

Project Name/Address: Meydenbauer Bay Sewer Line Relocation

Planner: Reilly Pittman

Phone Number: 425-452-4350

Minimum Comment Period: February 11, 2016

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

OTHERS TO RECEIVE THIS DOCUMENT:

- State Department of Fish and Wildlife / Sterwart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- Attorney General ecyolyef@atg.wa.gov
- Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

BACKGROUND

Property Owner: City of Bellevue - Parks Department

Proponent: City of Bellevue - Utilities Department

Contact Person: Jay Hummel, P.E., Senior Engineer, Bellevue Utilities Department

(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: P.O. Box 90012 Bellevue, WA 98009-9012

Phone: 425-452-4160

Proposal Title: Meydenbauer Bay Park Sewer Line Replacement and Grange Pump Station Improvements Project

Proposal Location: Bellevue Meydenbauer Bay Park and Marina (See Exhibit A)

(Street address and nearest cross street or intersection) Provide a legal description if available. (See Permit Plan Set: Sheet 2B)

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site. (See Permit Plan Set: Sheet 1)

Give an accurate, brief description of the proposal's scope and nature:

1. General description:

The Meydenbauer Bay Park Sewer Line Replacement and Grange Pump Station Improvement project includes construction of approximately 1,290 linear feet of sewer line that replaces existing 10-inch diameter asbestos cement (AC) sewer pipe located along the shore of Lake Washington. Approximately 600 feet of sewer pipe will be installed below Ordinary High Water, OHW, within the limit of Lake Washington and 690 feet of sewer pipe will be installed on-shore along the Lake. The replacement sewer line will be 12" diameter ductile iron pipe to accommodate current and future anticipated flows. Approximately 200 feet of the on shore pipe will be installed in a steel casing using trenchless boring equipment to preserve two existing residential structures on site at the marina, while the remaining sewer will be installed using standard open-cut trenching construction. The existing sewer line, constructed in the 1950s, has been subject to structural pipe failures and blockages in the recent past and is partially exposed on the lake bed. The new sewer line will be installed along the same off-shore alignment, within about two feet, but will be constructed two feet to five feet deeper to avoid exposure along the lake bed and to stay below any shoreline modifications being considered with the future City Meydenbauer Park.

In addition to the replacement sewer line work, the project includes construction of a new, deeper, sewer pump station wet well that will receive wastewater from the new sewer line. The project will install new pumps in the wet well and associated mechanical piping, valves, and flow meter in new below ground vaults. An electrical power and instrumentation control panel will be housed in an above ground enclosure with a rain shed. The new underground wet well will be constructed adjacent to the old existing Grange pump station. A temporary bypass sewer system will be used to convey current flow to the Grange pump station during construction to maintain service to existing customers. Once the new pump station is commissioned, the old wet/dry well will be filled and abandoned in place. The existing below grade blower vault and standby generator vault will remain in place and be re-used for the pump station. The redesigned pump station will be enclosed in a six foot fence and surrounded by landscaping or hedge material except where truck access is needed to service the pump station. Pole mounted lighting fixtures designed to limit illumination to the pump station work area, are included in the proposal.

Approximately 660 feet of the existing AC sewer pipe will be removed and remaining 600 feet of existing sewer will be abandoned in place. The segments of sewer line that are to be removed will be handled and disposed of consistent with local, state and federal regulations regarding the disposal of AC pipe. As part of the work within Lake Washington, approximately 275 lineal feet of rock bulkhead will be removed and replaced with a sloped and stabilized shoreline to allow removal and replacement of the existing sewer lake line.

The proposed sewer line alignment would temporarily disturb 3,600 square feet (sf) of lakebed below the OHWM and 240 sf of wetland (Class IV City rating). Approximately 2,200 sf of lawn and shrubs will be cleared, along with the replacement of approximately 11,700 sf of asphalt concrete and approximately 350 sf of concrete sidewalk for trenching activities and construction of a replacement wet well for the pump station. The upland trenching activity will include approximately 4,050 cubic yards (cy) of excavation and 3,700 cy of fill for the sewer line replacement and replacement wet well. The in-water trenching activity will include approximately 510 cy of excavation and 480 cy of fill for the sewer line replacement along the Lake Washington Shoreline within the City jurisdiction.

2. Acreage of Site:

The approximate proposed project site including active construction, staging and laydown areas will be 0.83 acres (36,150 sf).

3. Number of dwelling units/buildings being demolished:

No residential buildings will be demolished with this project. The sewer line will be bored under one residential building and routed around the other existing residential building.

4. Number of dwelling units/buildings to be constructed:

No dwelling units or buildings will be constructed as part of the project. Square footage of buildings to be demolished: NA.

5. Square footage of buildings to be constructed:

No buildings will be constructed as part of this project. Quantity of earth movement (in cubic yards):

The total earth movement will include approximately 4,050 cy of cut and 3,700 cy of fill.

6. Proposed land use:

Proposed project is for the replacement of aging and failing sewer line within Lake Washington, which does not alter current or future land use. The proposed sanitary sewer line, including the relocated pump station is designed to serve the lake front residences and upland residences that are currently served by the existing in lake sanitary sewer. None of the future Park development plans, both upland and in-water, for serving these same residences is precluded by this proposal.

The City of Bellevue has adopted a Master Plan for the Meydenbauer Bay Park and Marina December 2010 (Resolution 8182) however; this proposed sewer line replacement project is not related to the Master Plan (see Exhibit D). The anticipated park design has influenced the location and depth of the replacement sewer line in order to avoid potential exposure of the replacement sewer line in certain areas. The proposed sewer line replacement project will not preclude or change any of the elements of the park and marina land use plan.

7. Design features, including building height, number of stories and proposed exterior materials:

The electrical enclosure will stand approximately 6 feet tall, 10 feet wide and 3 feet deep and will be built from steel.

8. Other:

Estimated date of completion of the proposal or timing of phasing:

Proposed start date for the project is June 2016 with completion in March 2017. The contractor will mobilize to the site and setup the construction staging area (proposed: Marina parking area and City- owned undeveloped Meydenbauer Bay Park area to the north of 99th Ave NE) and temporary erosion and sedimentation control facilities along the project site. The connection to the existing lake line, removal of failing pipe in-water, replacement with new pipe, and surface restoration of the lake line within Lake Washington will occur during approved in-water work windows. The upland gravity sewer pipe, manholes, and service connections will be completed after the in-water work is completed. Concurrent with the upland sewer line construction, the pump station wet well, valve vault, flow meter vault and electrical enclosure will be constructed. After testing and final acceptance of the sewer line and pump station, the old pump station will be decommissioned and abandoned in place. The final stages of construction will include upland surface restoration, hydroseeding and other necessary restoration activities above the OHWM.

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal?

If yes, explain.

There are no plans for future additions, expansions or further activity connected with this proposal. There is an ongoing sewer system evaluation effort being conducted currently to identify long-term replacement needs for the overall Bellevue sewer lake line. The potential extent of repairs needed are presently unknown for the overall sewer lake line. Upon completion of the evaluation, the City of Bellevue Utilities Department will make a determination of the priority of repairs, replacement or new construction that may be required.

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

- (1) Geotechnical Engineering Report – Relocation of Grange Pump Station (March 19, 1992)
- (2) Biological Evaluation – City of Bellevue 2006 Exposed Sanitary Sewer Lines (Aug 2006)
- (3) Geotechnical Engineering Report – Meydenbauer Bay Sewer Lake Line (March 11, 2010)
- (4) Meydenbauer Beach Park Wetland Delineation and Existing Conditions Memo (November 19, 2012)
- (5) Geotechnical Engineering Report – Meydenbauer Bay Park Phase 1 (February 2015)
- (6) Meydenbauer Bay Park Phase 1 Wetland Delineation Report (April 2015)
- (7) Geotechnical Report - October 2015 **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.**

The only other applications pending would be associated with the Meydenbauer Bay Park Improvements – Phase 1 being completed for the City of Bellevue Parks Department. Application dates and file numbers are not known.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

- (1) City of Bellevue SEPA Checklist and Determination
- (2) City of Bellevue Shoreline Exemption
- (3) City of Bellevue Clearing and Grading Permit, Electrical Permit
- (4) City of Bellevue Haul Route / Right of Way Permit
- (5) Department of Army Permit – Clean Water Act Section 404, Section 10 Rivers/Harbors Act/NWP (JARPA/NEPA/Section 106 Concurrence)
- (6) US Fish and Wildlife – Section 7 Endangered Species Act Consultation
- (7) National Marine Fisheries Services – Section 7 Endangered Species Act Consultation
- (8) Washington State Fish and Wildlife Hydraulic Project Approval (JARPA)

Please provide one or more of the following exhibits, if applicable to your proposal.

(Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone) Map
- Preliminary Plat or Planned Unit Development



Clearing & Grading Permit

Building Permit (or Design Review)

Shoreline Management Permit

A) ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other.

b. What is the steepest slope on the site (approximate percent slope)?

The majority of the site is flat with a 2% slope, a small segment of the sewer line will be constructed on a 70% slope where the lake line transitions from off shore to on shore within the right-of-way of 99th Ave NE, adjacent to the Ice House.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Vashon sub glacial till (Qvt) and Vashon Advanced Outwash (Qva)

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

There are no indications of unstable soils in the project impact area.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Overall, there will be approximately 2,200 sf of lawn and shrubs that will be cleared for the upland trenching portion of the project. Approximately 956 sf asphalt access roadway will be constructed for future maintenance of the relocated sewer pump station. In-water trenching activity will temporarily disturb 3,600 square feet (sf) of lakebed below OHWM. As part of the trenching activity approximately 240 sf of wetland will be impacted. The wetland will be disturbed as part of the removal of a rock bulkhead that is currently present above the existing sewer line. The entire trenching activity will include approximately 4,050 cy of excavation and 3,700 cy of fill for sewer line replacement, replacement wet well, valve vault, and meter vault construction underground. There will be approximately 633 linear feet of construction and demolition in-water along Lake Washington Shoreline, within City jurisdiction (Exhibit B). The trenching and removal of the bulkhead will cross two wetlands (Class IV City rating) as identified in Exhibit E: Meydenbauer Bay Park Phase 1 Wetland Delineation Report (Anchor, April 2015).

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

It is not anticipated there will be erosion with implementation of BMPs, City regulations, and TESC plan.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Less than 3 percent of the site will be converted to impervious surface. Across the 0.83 acre site, approximately 956 sf of impervious surface will be added.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:



Standard BMPs, TESC, fish exclusion, and an approved clearing and grading plan will avoid and mitigate any limited impacts to the earth. Contract drawings and specifications will require compliance with City, State and Federal permits.

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

There will be limited emissions from fugitive dust and construction vehicles during construction activity.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None known or anticipated.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

A vacuum street sweeper will be utilized to remove dust and debris from pavement as directed by the City. Standard TESC and BMPs will control fugitive dust emissions and construction vehicles will be using federally regulated exhaust systems for vehicle emissions. Idling equipment will be turned off.

3. Water

- a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Lake Washington is adjacent to the park and marina and there is an unnamed stream along the northern edge of the park. There are three (3) wetlands in the middle of the park property. The palustrine wetlands (Wetland A, B and C) associated with the shoreline of the project area were categorized as a Class IV wetland by Anchor QEA staff in April 2015 based on City regulations. These Meydenbauer Bay Park wetlands were reported as having moderate potential for improving water quality, low to moderate potential for hydrologic functions, and low to moderate potential for habitat functions.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, the project area is within the 200-foot shoreline buffer and a segment of the sewer line will be replaced in the lake within 30 feet of the shoreline. A majority of the existing in-water sanitary sewer line will be removed and a new gravity sewer line will be installed in the same trench, 2 to 5-feet deep below the bottom of Lake Washington (See Permit Plan Set: Sheets 7 through 9). The proposed sewer line alignment would temporarily disturb 3,600 square feet (sf) of lakebed below the OHWM.

The Project will impact a portion of two wetlands. The removal of the existing asbestos cement sewer line will require impacting Wetlands B and C because the line is located below the bulkhead structures that these wetlands are associated with (See Permit Plan Set: Sheet 7). The impact will be less than a quarter acre for the wetlands and temporary in nature, as all three wetlands are to be removed as part of the Meydenbauer Bay Land Use Plan with on-site restoration or mitigation within the park. This is illustrated in Exhibit D – Meydenbauer Bay Park Master Plan - Central Waterfront.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

There is limited excavation and fill where the sewer line extends under the wetland. The project includes trenching through 240 sf of wetlands and approximately 3,600 sf of trenching in the lake (approximately 560 feet of pipeline replacement and an additional 75 feet of existing asbestos cement pipe to be removed below the OHWM within 5 foot wide trench). There will be a de-watering area along the shoreline between the Ice House north to the northern property line of the existing Meydenbauer Bay Park to allow for replacement of the sewer line in-water. The in-water pipe trenches will be backfilled with imported pipe bedding followed by native material and a 6-inch layer of imported fish mix gravel.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

During construction, there will be de-watering along the shoreline between the Ice House north to the northern property line of the existing Meydenbauer Bay Park to establish a dry work zone for removal of the existing sewer line and placement of the in-water sewer line.

De-watering activities are anticipated for the upland sewer alignment. Depending on subsurface conditions, the contractor may utilize a combination of well points and sump pumps to accomplish a dry trench. Dewatering equipment may include mobile dewater tanks, weir tanks, or sand media filter, along with pumps, piping and backup equipment. All discharged clean water will be regulated under the water quality standards in the NPDES and applicable state or federal agencies and will be discharged to either the storm system or sanitary sewer system.

In water work activities will be limited in time and duration. The necessary de-watering operations for replacement of the sewer line in the lake will comply with applicable local permits, project-specific permits, and regulations.

A de-watering plan will be submitted as part of the CSWPPP, detailing the location of dewatering activities and equipment, as well as discharge point(s), in order to support the work to connect to and replace the existing sewer line in the lake and to bore under the existing residences.

The contractor will be responsible for determining the exact method for establishing a dewatering zone as part of the de-watering plan to be submitted as part of the CSWPPP. The dewatering zone will most likely be established through a temporary cellular cofferdam to avoid the use of vibratory or pile driving equipment that may impact fish species and potentially damage the existing asbestos cement sewer pipeline. The cellular cofferdam will be floated into place and the contractor will isolate the area around the existing pipe to allow for the dewatering and access to lake line. The cellular cofferdam will be water filled and the lower portion of the cell will be matched with the contours of Lake Washington. Rock ballast, sand bags and/or external braces may be utilized to decrease seepage and stabilize the structure. The contractor proposed dewatering system will be reviewed and approved by the City and will be designed with appropriate resistance to lateral forces and overturning.

To accommodate the sediment and gravel, most likely a mobile technology such as a dewater tank, weir tank, or sand media filter will be utilized on-site temporarily. All discharged clean water will be regulated under the water quality standards in the NPDES and applicable state or federal agencies. The dewatering process and details will be determined by the contractor and approved by the City.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No (Confirmed via the FEMA Map No. 53033C0652K)

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

There are not proposed discharges to the surface waters of Lake Washington or wetlands.

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

Yes, groundwater will likely be temporarily withdrawn and will be discharged to Lake Washington via the storm system or to the sanitary sewer system as part of the sewer line trenching and pump station structure excavation by the use of dewatering wells. Any sediment that collects in the actual trench or structure excavations will be treated using a Baker tank type technology and will either be discharged to the sanitary sewer under a permit from King County or will be transported off site for proper disposal.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material is anticipated to be discharged into the ground. The Project's objective is to reduce the risk of domestic wastewater being discharged into the environment (including the lake) due to a potential catastrophic failure of the old sanitary sewer line in the lake and to allow greater access for inspection or repair to the new sewer line system for the City of Bellevue Utilities department maintenance team.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No proposed changes in runoff, present conditions are lawn with sheet flow runoff and parking lot with an existing system of catch basin/water quality elements. With implementation of a TESC Plan and standard BMPs, there is no anticipated polluted runoff from the project action.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

No discharge of waste materials to the environment is anticipated.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

With implementation of a TESC Plan and standard BMPs there is no anticipated polluted runoff from the proposed project during or following construction.

4. **Plants**

a. Check or circle types of vegetation found on the site:

deciduous tree: alder, maple, aspen, various ornamental trees

evergreen tree: fir, cedar, pine, spruce, hemlock, various ornamental evergreens

shrubs



grass

pasture

crop or grain

wet soil plants: buttercup, watercress, slough sedge, soft rush, reed canarygrass, curled dock, iris, red osier dogwood, weeping willow, pin oak

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Lawn area will be removed during trenching and restored with sod and hydroseed. This area will be re-developed as part of the Meydenbauer Bay Park re-development. Supplemental gravel, approved by WDFW for fish habitat, will be added to the in-water work area.

Portions of vegetation associated with Wetland B and C located within the bulkhead structures (grass, reed canarygrass, buttercup, horsetail, soft rush, and iris) will be removed as part of the demolition of the bulk head structures. Approximately 275 lineal feet of rock bulkhead will be removed and replaced with a temporary soil stabilization structure.

c. List threatened or endangered species known to be on or near the site.

No known threatened or endangered species are on the upland portions of the project area. In water, species are Chinook Salmon, Steelhead Trout, and Bullhead Trout populations in Lake Washington.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Standard landscaping in lawn area will be replaced, pursuant to City of Bellevue Parks Department requirements. In locations where the existing lake line is located below the rock bulkhead, the rockery will be removed and stockpiled on site for future use by Parks. After the replacement sewer line is installed, the shoreline will be sloped back and geotextile fabric will be placed followed by riprap (see Permit Plan Set: Sheets 10 and 10B). This will remain in place approximately one year until the Park re-development is implemented.

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

X birds: hawk, heron, eagle, songbirds

x mammals: deer, bear, elk, beaver, other:

x fish: bass, salmon, trout, herring, shellfish, other: Specific Species: Chinook, and Sockeye Salmon, Steelhead Trout, and Bullhead Trout

b. List any threatened or endangered species known to be on or near the site.

The only known threatened and endangered species are the Chinook salmon, Steelhead Trout and Bulltrout. These are addressed in the Biological Evaluation prepared for the US Army Corps permit.

- c. Is the site part of a migration route? If so, explain.

None known presently

- d. Proposed measures to preserve or enhance wildlife, if any:

None proposed for upland area, due to absence of threatened or endangered species. For in-water work, construction associated with removing and replacing the proposed sewer line section will cause temporary and localized impacts to water quality (i.e., turbidity), with some de-water activities. With the work being limited to approved Washington Department of Fish & Wildlife Fish work windows, no long-term impacts are anticipated.

The trench that is constructed to connect the existing off-shore sanitary sewer line to the existing on-shore sanitary sewer line as well as the trench for replacement of the off-shore line and removal of the abandoned off-shore line will be covered with 2" minus round river rock to enhance use by Sockeye Salmon for near shore spawning purposes.

6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electricity from Puget Sound Energy will be required for the pump station. The replacement pump station will require approximately the same amount of energy as the existing station.

- b. Would your project affect the potential use of solar energy by adjacent property? If so, generally describe.

No.

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Pump station will use modern energy efficient lighting in addition to efficient electrical pumps and controllers to minimize runtime and electrical energy demand.

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

None. The project is designed reduce the potential for spills into Lake Washington by replacing the aging, deteriorating, fragile existing sewer line. The project will remove the aging asbestos containing line that is currently in Lake Washington.

- 1) Describe special emergency services that might be required.

Standard emergency response by Fire or Police services in the event of an accident. Emergency services are not anticipated to be required within the completed project. Access for emergency vehicles will be maintained throughout the duration of the project.

- 2) Proposed measures to reduce or control environmental health hazards, if any:

Coordination and notification to adjacent property owners, parks department and marina during construction activities. Standard construction BMPs will be implemented to prevent any sewer spills during construction activities.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

No known noise that will adversely affect the project.

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

There will be short-term construction equipment noise, during daylight hours and as controlled by the City of Bellevue noise ordinance and allowable work hours.

- 3) Proposed measures to reduce or control noise impacts, if any:

Contractor vehicles shall be equipped with regulation muffler systems. Construction activities will be limited to daylight hours in accordance with the City of Bellevue Noise Ordinance. Temporary wastewater bypass equipment shall be equipped with sound attenuation to meet the requirements of the noise ordinance.

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?

Park and Marina are the current use of the site. There is single family and multi-family housing to the east and north of the project area.

- b. Has the site been used for agriculture? If so, describe.

No

- c. Describe any structures on the site.

There are buildings and parking lots associated with the Marina (southern portion) of the project action. The park side of the project action area is lawn, sidewalk, picnic tables, rest room facility, and dock on the northern portion. The existing pump station wet well and dry well are both located below-grade. There are two residential structures near the Grange pump station that will be retained.

- d. Will any structures be demolished? If so, what?

Approximately 275 lineal feet of rock bulkhead will be removed. The existing below grade pump station wet well and dry well will be abandoned in place. Two existing City Parks Department owned duplexes as described in Section 5 will remain in place.

- e. What is the current zoning classification of the site?

See Exhibit C. R-5, R-3.5: Single Family Residential, R-30: Multi-Family Residential, O:Office

f. What is the current comprehensive plan designation of the site?

DNTN-OB: Old Bellevue District

SF-M, SF-H: Single Family (Medium to High Density)

MF-H: Multi-Family (High Density)

O: Office

g. If applicable, what is the current shoreline master program designation of the site?

The current shoreline master program designation is "Shoreline Overlay District" (20.2SE). It is considered an urban environment for a shoreline with Lake Washington as the body of water.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

The portions of the project site at or below Ordinary High Water Mark (OHWM), and the area 25 feet landward of OHWM are designated as a critical area by the City of Bellevue code. There are three (3) wetlands in the middle of the park property. The palustrine wetlands associated with the shoreline of the project area (Wetlands B and C) were rated Category III wetland by Anchor QEA staff in April 2015 using the 2015 Washington State Wetland Rating System for Western Washington (see Exhibit E for Wetland Delineation Report). The wetlands are rated as Class IV wetlands according to Anchor QEA based on City regulations. These Meydenbauer Park wetlands were reported as having little potential moderate potential for improving water quality, low to moderate potential for hydrologic functions, and low to moderate potential for habitat functions.

i. Approximately how many people would reside or work in the completed project?

There will be no additional employees or residents as a result of this project.

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

Sewer line construction is being designed to avoid demolition of existing residential buildings.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The project is consistent and with the applicable City Comprehensive Plan Elements, City of Bellevue Parks Department Master Plan, and Land Use Code.

Comprehensive Plan- The applicable comprehensive plan elements are the Utilities and Shoreline Management:

- Goal# 1 (Utilities Element): To promote and encourage the development and maintenance of all utilities at the appropriate levels of service.
- Goal# 2 (Utilities): to promote and encourage the provisions of reliable utility service in a way that balances the public's concerns about safety and health impacts of utility infrastructures, consumers' interest in paying no more than a fair and reasonable price for the utility's product, Bellevue's natural environment and the impacts that utility infrastructures may have on it, and the community's desire that utility projects be aesthetically compatible with surrounding land uses.
- Goal #1 (Shoreline Mgmt. Element): To protect and enhance the natural and developed shoreline of the City.
- Goal #3 (Shoreline Mgmt. Element): To protect, preserve, and enhance the natural resources and amenities of the city's shorelines for use and enjoyment by present and future generations.

Land Use Code- the Land Use Code has a several sections that apply to the proposed project. These include:

- Land Use Charts in LUC 20.10.440- The replacement and operation of the sewer line is considered an element of the "local utility system," and is considered "permitted in both the R-3.5 and R-30 land use zoning districts.

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

- c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

There will be an above ground electrical enclosure canopy housing controls for operation of the sewage pump station. The electrical enclosure canopy will stand approximately 10 feet tall and will be constructed from wood.

- b. What views in the immediate vicinity would be altered or obstructed?

None



- c. Proposed measures to reduce or control aesthetic impacts, if any:

The proposed electrical enclosure will be located at the south end of the project site near an existing fence and small rockery and should not impact the aesthetics of the area and will not impact residential sight lines to the lake. No other proposed measures, aside from restoration of grassed lawns and park features to pre-construction status.

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

There will be a site light located near the wet well and a light under the canopy of the electrical control cabinet. The lights will be operated by a manual switch and in use only when City maintenance staff are onsite.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

None anticipated as maintenance would be conducted during daylight hours and any emergency service call will have light directed down into the below grade pump station or pipeline.

- c. What existing off-site sources of light or glare may affect your proposal?

None

- d. Proposed measures to reduce or control light and glare impacts, if any:

Proposed lighting fixtures will be designed to keep all light on the pump station work area and not spill onto adjacent properties or Lake Washington.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

The project action area is located within the City of Bellevue Meydenbauer Bay Park and Marina.

- b. Would the proposed project displace any existing recreational uses? If so, describe.

There will be short-term disruption and construction activity in the marina during the non-peak season. Meydenbauer Beach Park will be closed starting after Labor Day and remain closed through the non-peak season to the public during construction.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Construction activity, within the active park area, will begin at the start of the non-peak season. Recreational access to the marina will be maintained during construction of the sewer line and pump station.

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

None identified in the project action area. An assessment was conducted and consultation with Washington State Department of Archeology and Historic Preservation (DAHP) was completed on January 4, 2013 (010213-13-KI, Sewer Lake Line Replacement at Meydenbauer Bay).

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

The "Ice House" (also known as the Boat House and Whaling Building) is adjacent to the proposed sewer line replacement. The building is listed on the Washington Information System for Architectural and Archaeological Records Database as a Historic Property. No work is planned that would disturb this building.

- c. Proposed measures to reduce or control impacts, if any:

City of Bellevue is creating a Monitoring and Inadvertent Discovery Plan for this project. A qualified archaeologist will monitor all ground disturbing activities for the on-land portion of the project, and will monitor the in-water portion if it can be done safely within the time and duration constraints.

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Meydenbauer Way, Bellevue Place SE and 99th Avenue NE (See Exhibit A)

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No. The nearest bus lines are routes 249 and 550 on Bellevue Way and Main Street more than a mile away.

- c. How many parking spaces would the completed project have? How many would the project eliminate?

None proposed or needed. No parking spaces will be eliminated because of the project. The site will only need to be accessed periodically for maintenance.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

There will be a maintenance access area constructed for City maintenance vehicles to access the pump station. The access area will be located within the right-of-way of Bellevue Pl SE and extend approximately 40 feet from the existing paved road. Bollards will be installed to limit Grange Pump Station access to City maintenance vehicles only. Existing traffic circulation will not be impacted by the proposed project after construction is complete.

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The southern portion of the project is within the City of Bellevue marina parking lot and adjacent to the docks with boats.

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Existing maintenance trips will not increase or decrease with the completed project. There will be short-term truck traffic in the marina area for removal of unsuitable excavated soils that cannot be reused as trench backfill on-site. It is anticipated that there could be 10 to 15 trucks trips a day during the peak construction activity.

g. Proposed measures to reduce or control transportation impacts, if any:

None proposed presently.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

None anticipated.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None proposed.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

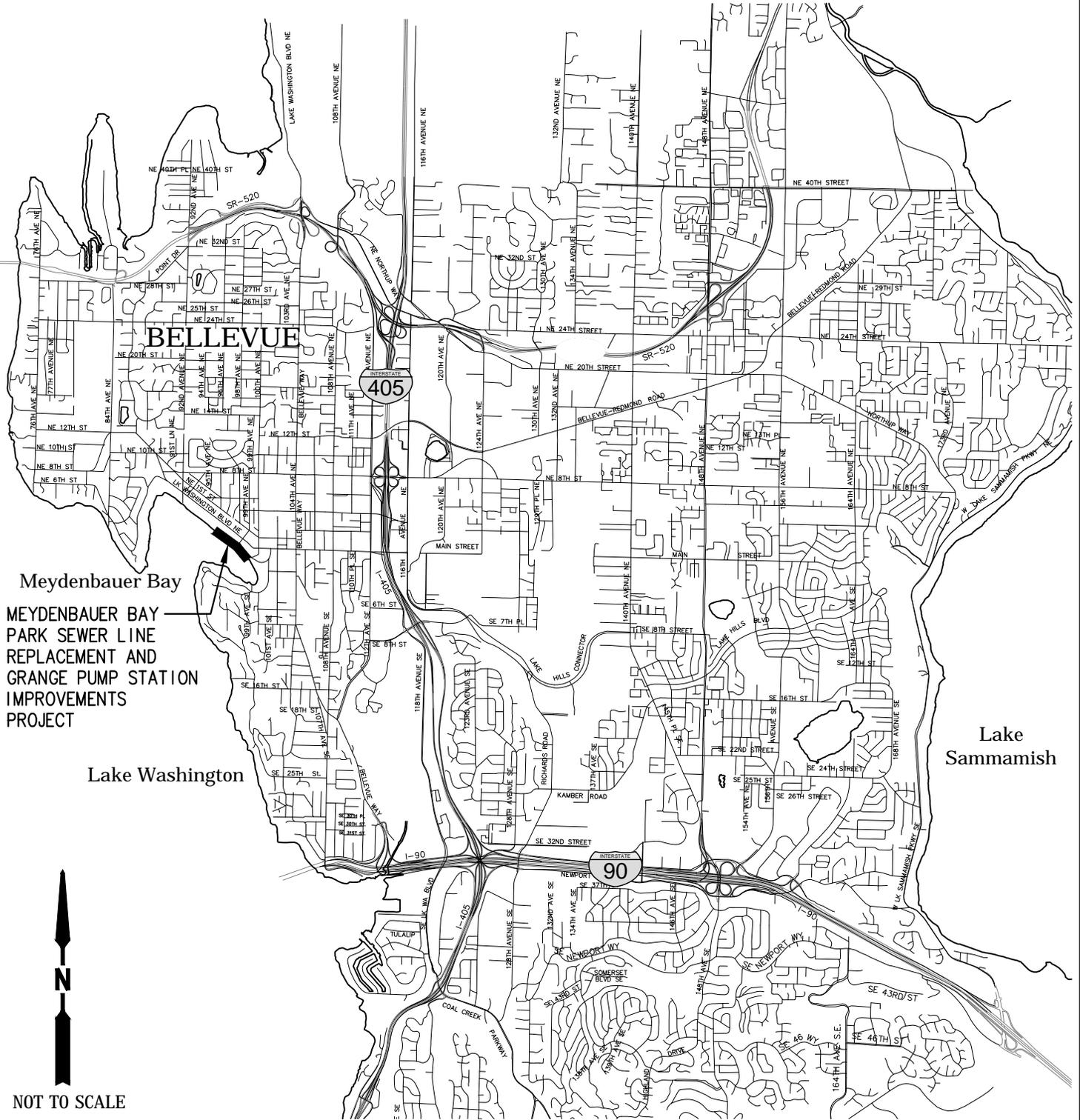
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

There is existing underground electrical, telephone and water services running to the existing Grange Pump Station at the south end of the project site. The project design calls to maintain these services for the replacement of the Grange Pump Station. There will be an above-ground electrical enclosure. The primary utilities proposed are a sewer line replacement with 8- and 12-inch Ductile Iron piping, pump station, valve vault and flow meter vault, as well as a small segment of 6- and 8-inch DI sewage force main piping.

The contractor will mobilize to the site and setup the construction staging area (proposed: portion of marina parking area and City-owned undeveloped park properties to the north of 99th Ave NE) and temporary erosion and sedimentation control facilities along the project site. The connection to the existing lake line, removal of failing pipe in-water, replacement with new pipe, and surface restoration of the lake line within Lake Washington will occur during in-water work windows. The upland gravity sewer pipe, force main, manholes, service connections, and pump station will be installed after in-water work is completed. Concurrent with the gravity line construction, the pump station wet well, valve vault, flow meter vault and electrical enclosure canopy will be installed. After testing and final acceptance of the gravity sewer line and pump station, the previous pump station will be decommissioned and abandoned in place. The final stages of construction will include upland surface restoration, hydroseeding and other necessary restoration activities above the OHWM.

VICINITY MAP

SE ¼ SEC. 31, T. 25N, R. 05E, W.M.



Meydenbauer Bay
**MEYDENBAUER BAY
 PARK SEWER LINE
 REPLACEMENT AND
 GRANGE PUMP STATION
 IMPROVEMENTS
 PROJECT**

Lake Washington

Lake Sammamish



NOT TO SCALE

**NAME: MEYDENBAUER BAY
 SEWER LINE REPLACEMENT
 AND GRANGE PUMP
 STATION IMPROVEMENTS
 PROJECT**

**IN: MEYDENBAUER BAY
 NEAR: BELLEVUE
 COUNTY: KING
 STATE: WASHINGTON**

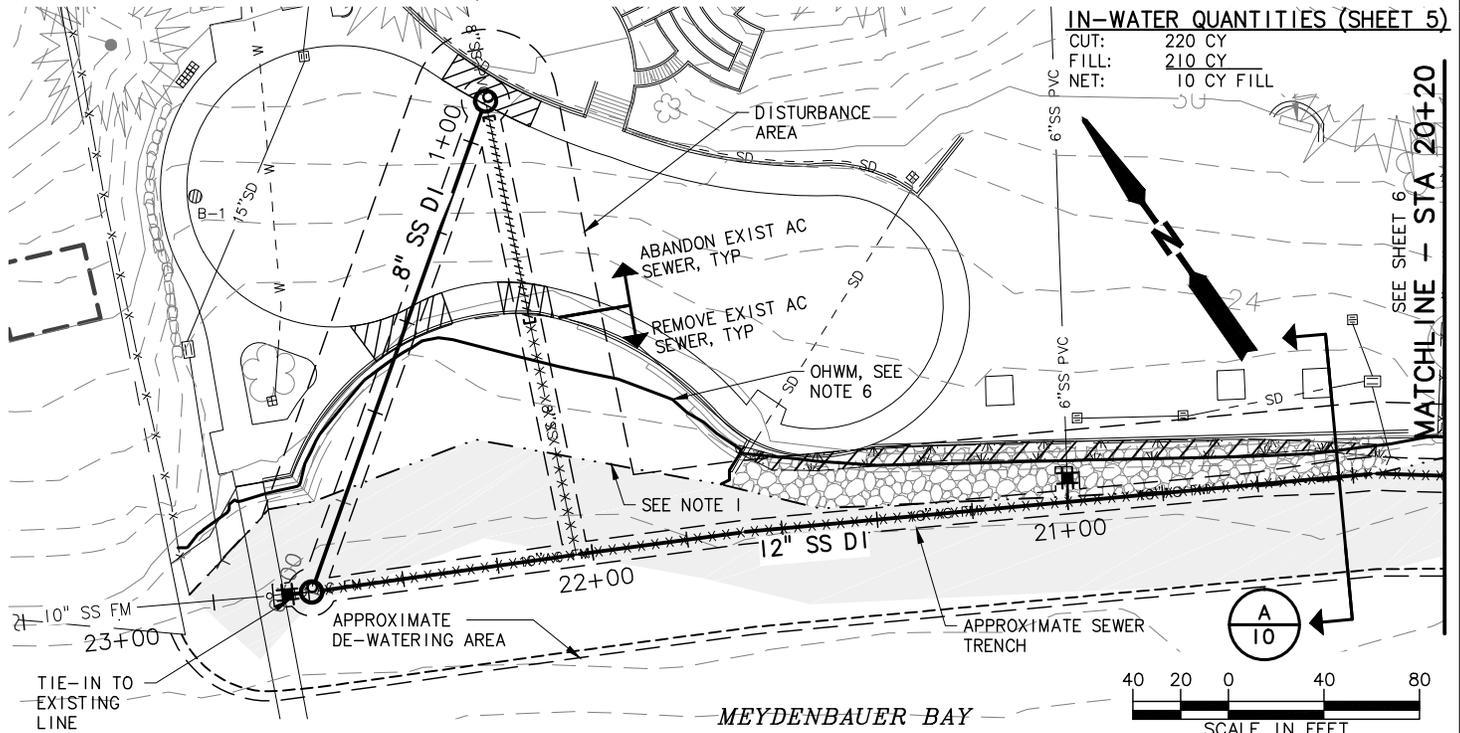
**SITE LOCATION ADDRESS:
 419 98TH AVE NE,
 BELLEVUE, WA 98004**

DATE: OCTOBER 28, 2015



SEWER PLAN AND PROFILE WITHIN MEYDENBAUER BAY (1 OF 3)

SE ¼ SEC. 31, T. 25N, R. 05E, W.M.

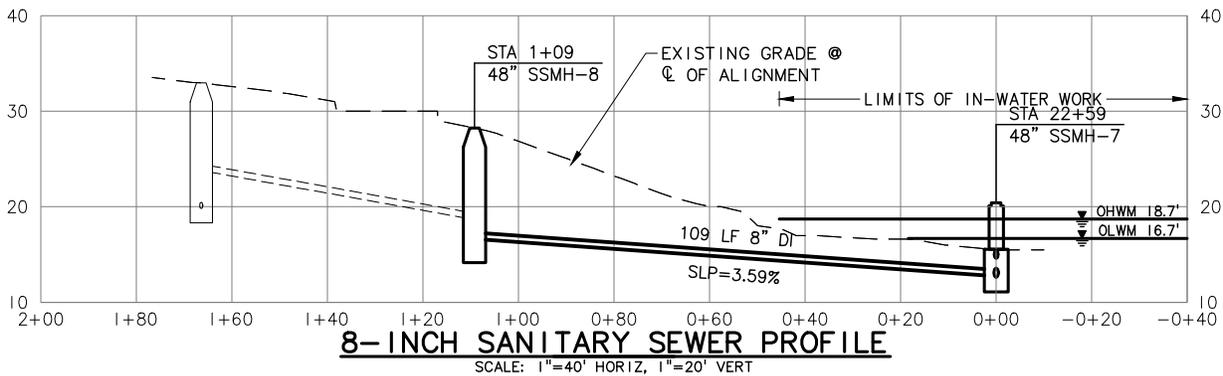
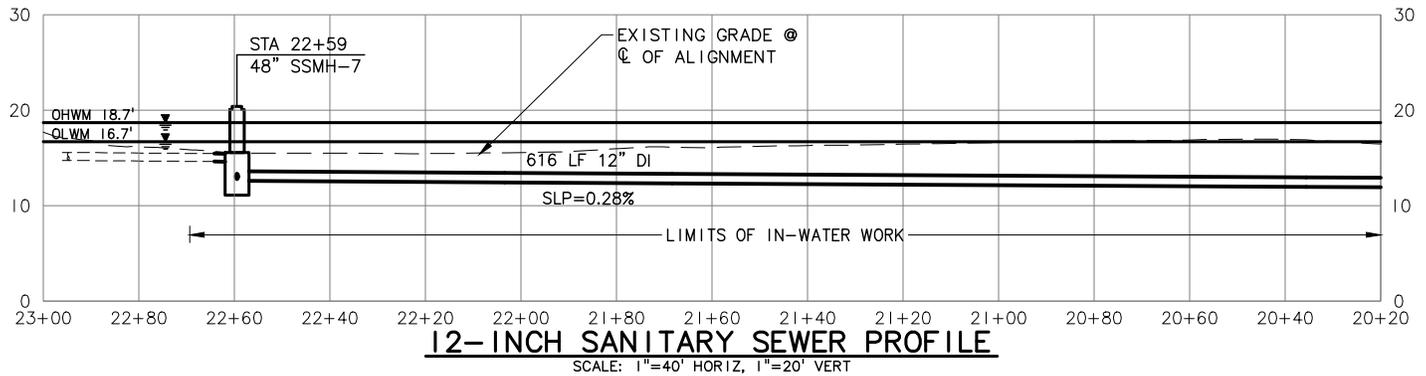


IN-WATER QUANTITIES (SHEET 5)

| | |
|-------|------------|
| CUT: | 220 CY |
| FILL: | 210 CY |
| NET: | 10 CY FILL |

SEE SHEET 6
MATCHLINE - STA 20+20

h:\evt_projects\15\1700_belleve_meydenbauer\CAD\PERMIT FIGURES\JARPA\15-1700-205-WA-JARPA-P-P.dwg 5/11/10/2015 1:33 PM HCM 20.0s (LMS Tech)



NOTES:

- SHORELINE AS SURVEYED ON DECEMBER 21, 2009. (OLWM)
- REMOVED ASBESTOS CEMENT SEWER LINES WILL BE DRAINED, FLUSHED, REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED LOCATION.
- ABANDONED SEWER LINES WILL BE DRAINED, FLUSHED, CAPPED AND LEFT IN PLACE.
- APPROVED EROSION CONTROL BMPs WILL BE USED WITHIN MEYDENBAUER BAY DURING SEWER LINE CONSTRUCTION.
- ALL MANHOLES ARE 48-INCHES UNLESS STATED OTHERWISE.
- SHORELINE WAS NOT SURVEYED AT OHWM. APPROXIMATE OHWM SHOWN BASED OFF OF DECEMBER 21, 2009 SURVEY. OHWM IS AT 18.7' (BASED OFF OF NAVD 88).

LEGEND

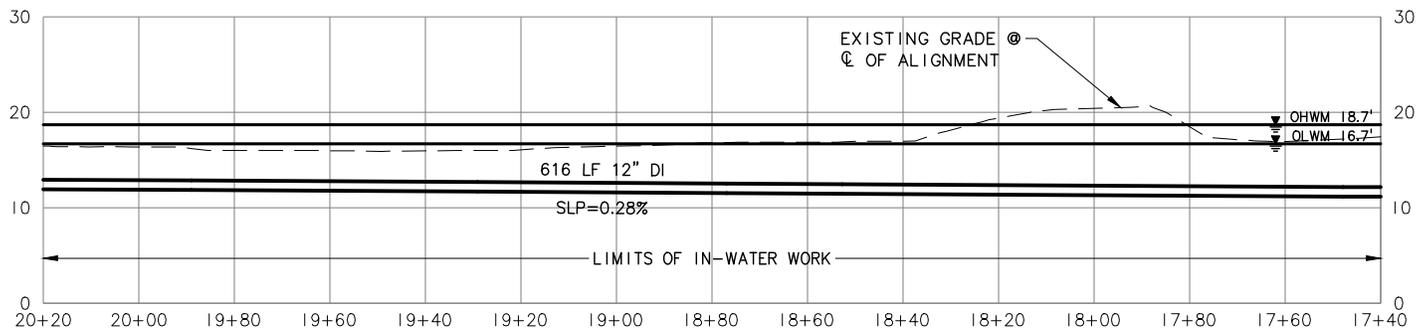
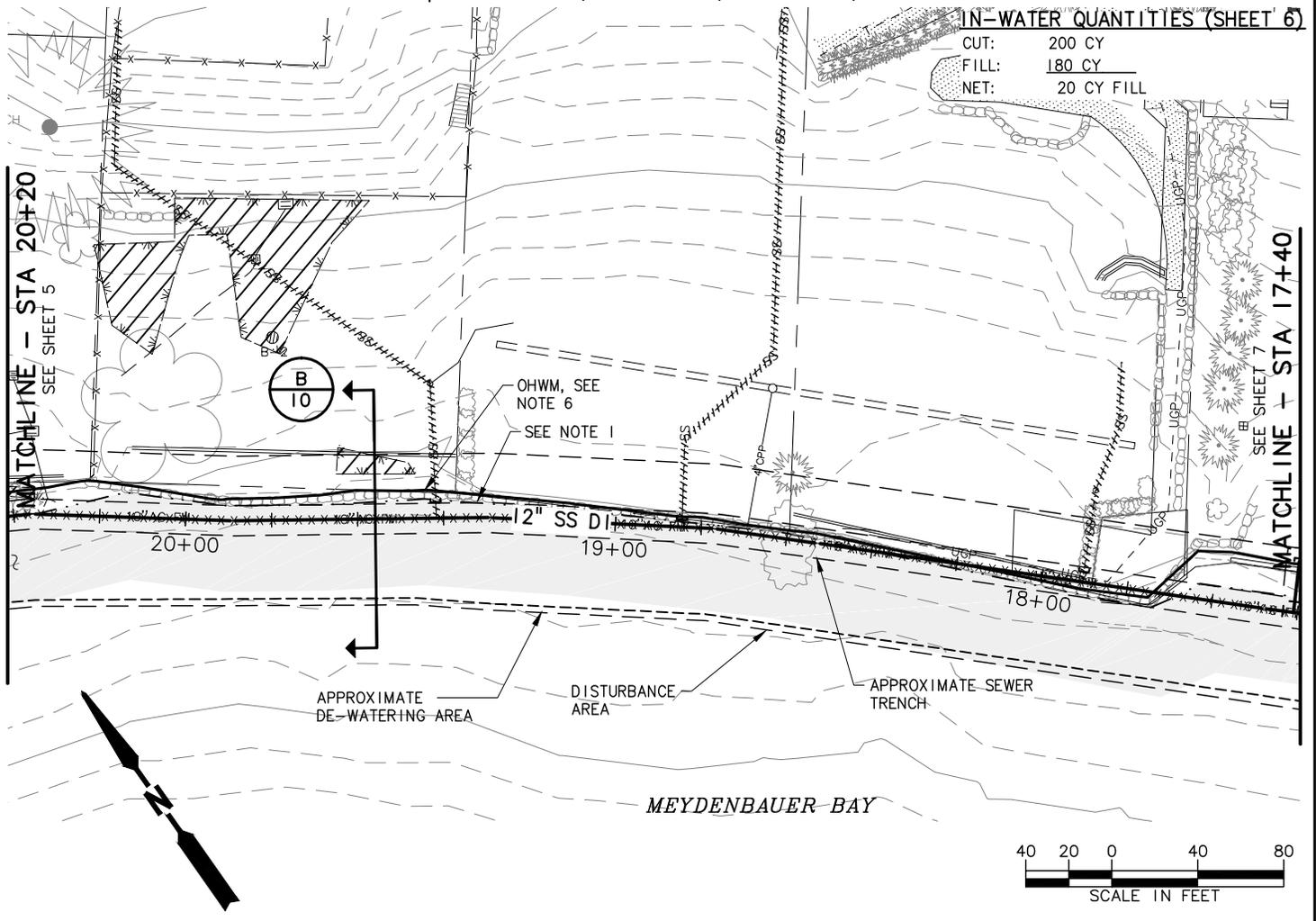
- EXISTING ASPHALT PAVEMENT
- WETLAND, BCC CAO CATEGORY IV
- SHORELINE 200' BUFFER
- SHORELINE, SEE NOTE 1
- EXIST SEWER, ABANDON
- EXIST SEWER, REMOVE

REFERENCE#: _____
APPLICANT: CITY OF BELLEVUE, UTILITIES DEPARTMENT
NAME: MEYDENBAUER BAY PARK SEWER LINE REPLACEMENT AND GRANGE PUMP STATION IMPROVEMENTS PROJECT
AT: BELLEVUE, WASHINGTON
SHEET: 5 OF 10
DATE: OCTOBER 15, 2015



SEWER PLAN AND PROFILE WITHIN MEYDENBAUER BAY (2 OF 3)

SE ¼ SEC. 31, T. 25N, R. 05E, W.M.



12-INCH SANITARY SEWER PROFILE

SCALE: 1"=40' HORIZ, 1"=20' VERT

NOTES:

- SHORELINE AS SURVEYED ON DECEMBER 21, 2009. (OLWM)
- REMOVED ASBESTOS CEMENT SEWER LINES WILL BE DRAINED, FLUSHED, REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED LOCATION.
- ABANDONED SEWER LINES WILL BE DRAINED, FLUSHED, CAPPED AND LEFT IN PLACE.
- APPROVED EROSION CONTROL BMPs WILL BE USED WITHIN MEYDENBAUER BAY DURING SEWER LINE CONSTRUCTION.
- ALL MANHOLES ARE 48-INCHES UNLESS STATED OTHERWISE.
- SHORELINE WAS NOT SURVEYED AT OHWM. APPROXIMATE OHWM SHOWN BASED OFF OF DECEMBER 21, 2009 SURVEY. OHWM IS AT 18.7' (BASED OFF OF NAVD 88).

LEGEND

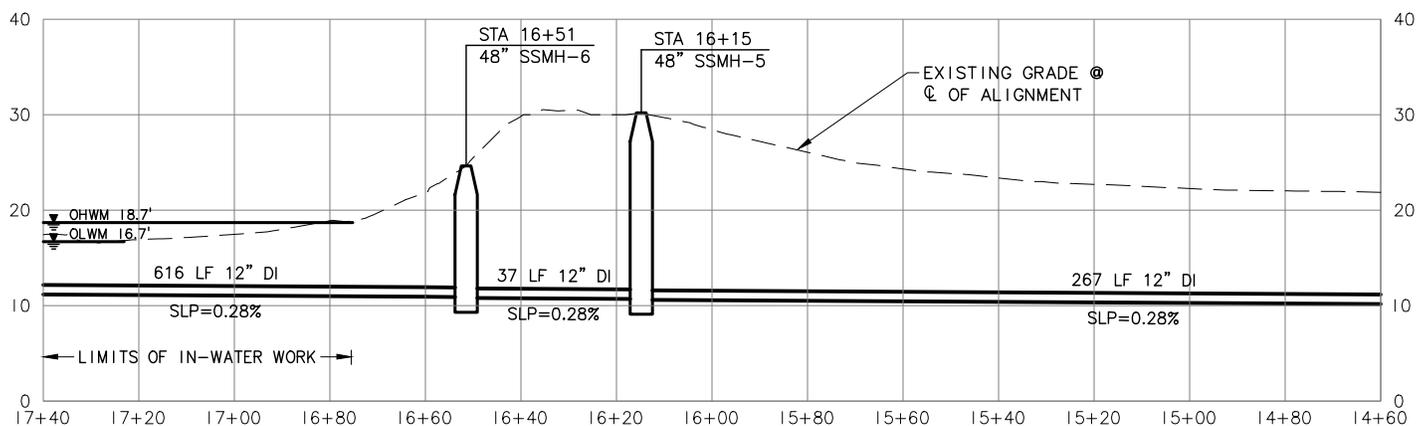
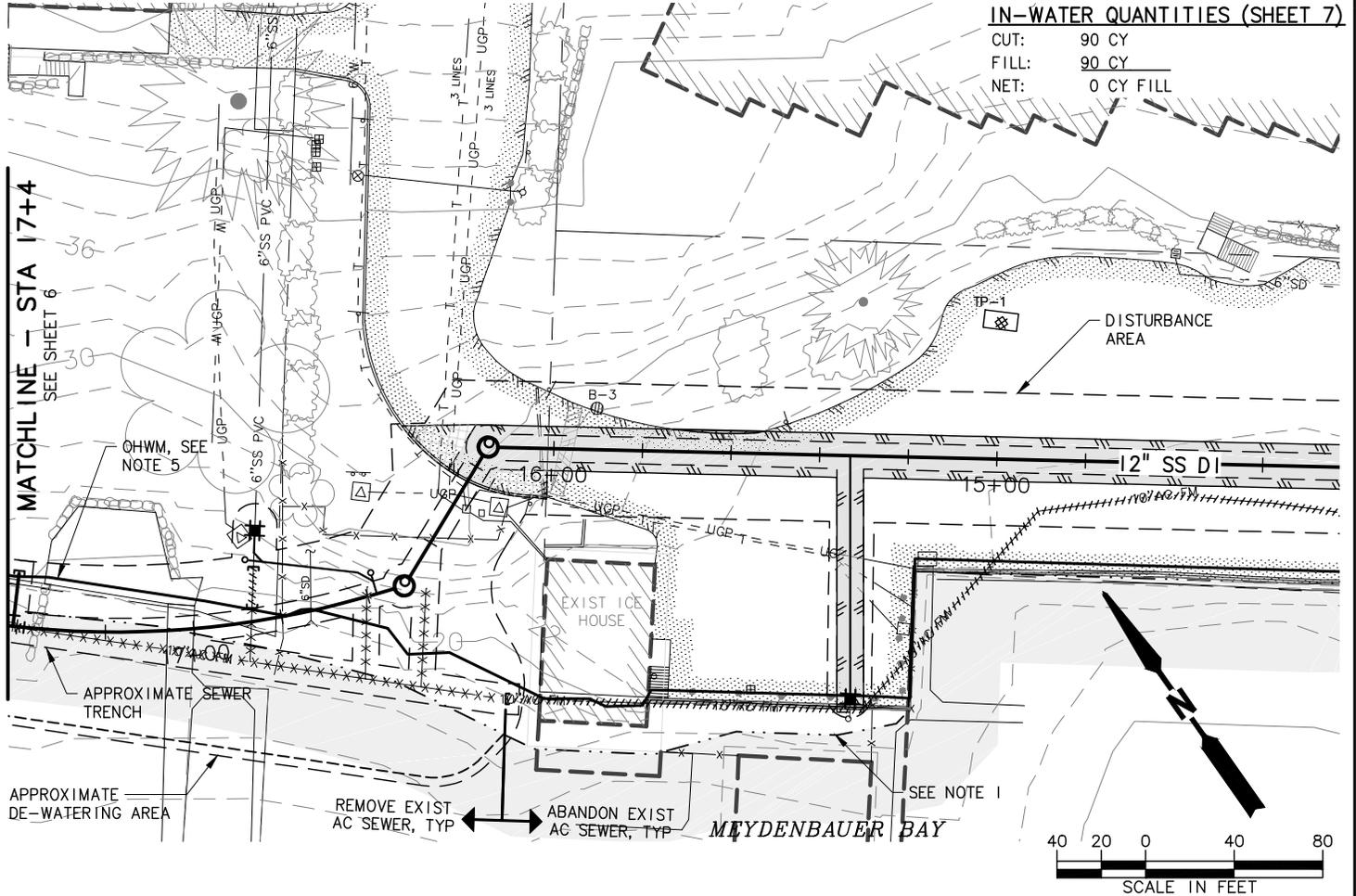
- EXISTING ASPHALT PAVEMENT
- WETLAND, BCC CAO CATEGORY IV
- SHORELINE 200' BUFFER
- SHORELINE, SEE NOTE 1
- EXIST SEWER, ABANDON
- EXIST SEWER, REMOVE

REFERENCE#: _____
 APPLICANT: CITY OF BELLEVUE,
 UTILITIES DEPARTMENT
 NAME: MEYDENBAUER BAY PARK
 SEWER LINE REPLACEMENT
 AND GRANGE PUMP STATION
 IMPROVEMENTS PROJECT
 AT: BELLEVUE, WASHINGTON
 SHEET: 6 OF 10
 DATE: OCTOBER 15, 2015



SEWER PLAN AND PROFILE WITHIN MEYDENBAUER BAY (3 OF 3)

SE ¼ SEC. 31, T. 25N, R. 05E, W.M.



NOTES:

- SHORELINE AS SURVEYED ON DECEMBER 21, 2009. (OLWM)
- REMOVED ASBESTOS CEMENT SEWER LINES WILL BE DRAINED, FLUSHED, REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED LOCATION.
- ABANDONED SEWER LINES WILL BE DRAINED, FLUSHED, CAPPED AND LEFT IN PLACE.
- APPROVED EROSION CONTROL BMPs WILL BE USED WITHIN MEYDENBAUER BAY DURING SEWER LINE CONSTRUCTION.
- ALL MANHOLES ARE 48-INCHES UNLESS STATED OTHERWISE.
- SHORELINE WAS NOT SURVEYED AT OHWM. APPROXIMATE OHWM SHOWN BASED OFF OF DECEMBER 21, 2009 SURVEY. OHWM IS AT 18.7' (BASED OFF OF NAVD 88).

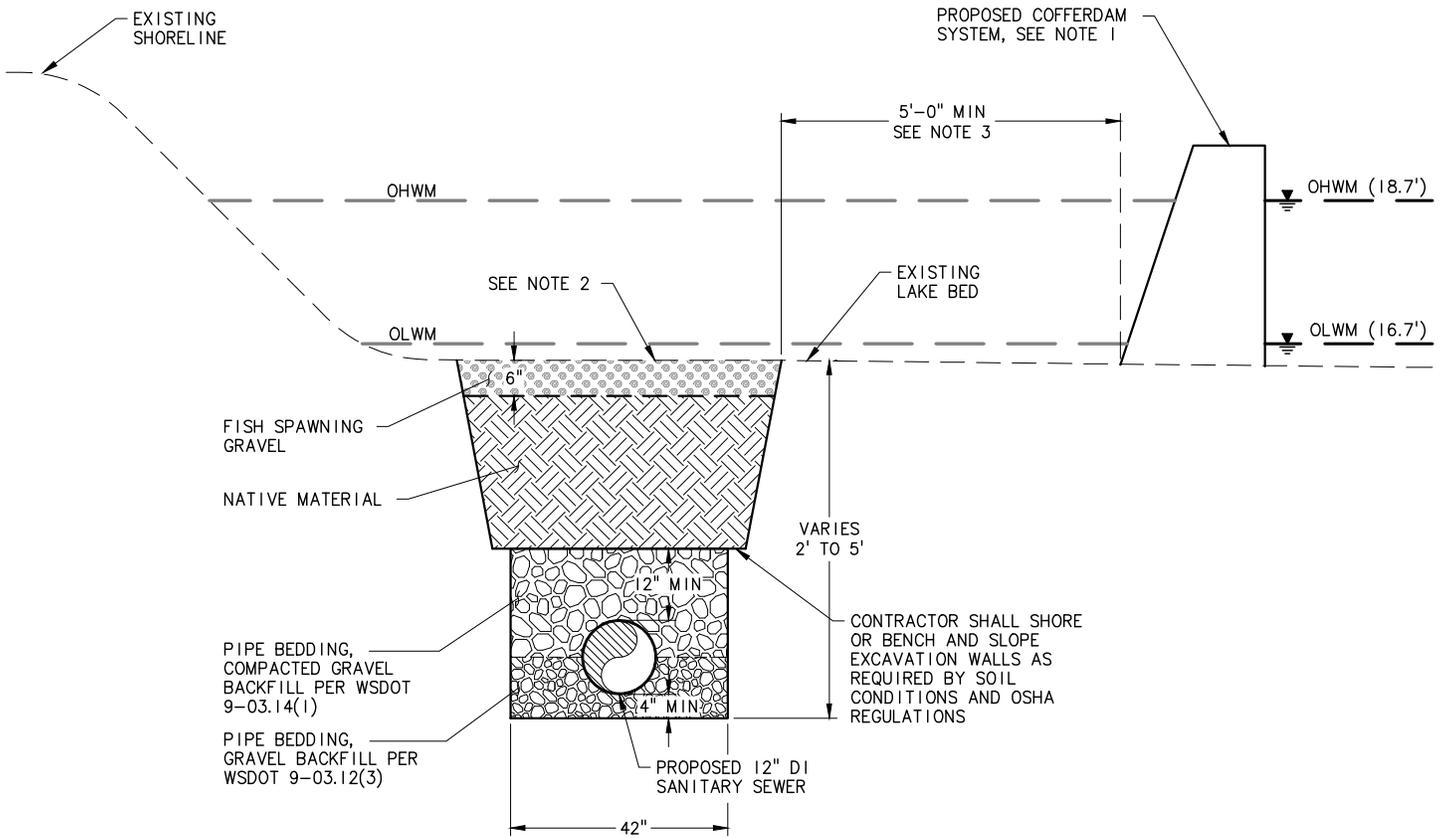
LEGEND

- EXISTING ASPHALT PAVEMENT
- SHORELINE 200' BUFFER
- SHORELINE, SEE NOTE 1
- EXIST SEWER, ABANDON
- EXIST SEWER, REMOVE

REFERENCE#: _____
 APPLICANT: CITY OF BELLEVUE,
 UTILITIES DEPARTMENT
 NAME: MEYDENBAUER BAY PARK
 SEWER LINE REPLACEMENT
 AND GRANGE PUMP STATION
 IMPROVEMENTS PROJECT
 AT: BELLEVUE, WASHINGTON
 SHEET: 7 OF 10
 DATE: OCTOBER 15, 2015



TRENCH RESTORATION WITHIN MEYDENBAUER BAY



SCALE: NTS

REFERENCE#: _____
 APPLICANT: CITY OF BELLEVUE,
 UTILITIES DEPARTMENT
 NAME: MEYDENBAUER BAY PARK
 SEWER LINE REPLACEMENT
 AND GRANGE PUMP STATION
 IMPROVEMENTS PROJECT
 AT: BELLEVUE, WASHINGTON
 SHEET: 8 OF 10
 DATE: OCTOBER 15, 2015

NOTES:

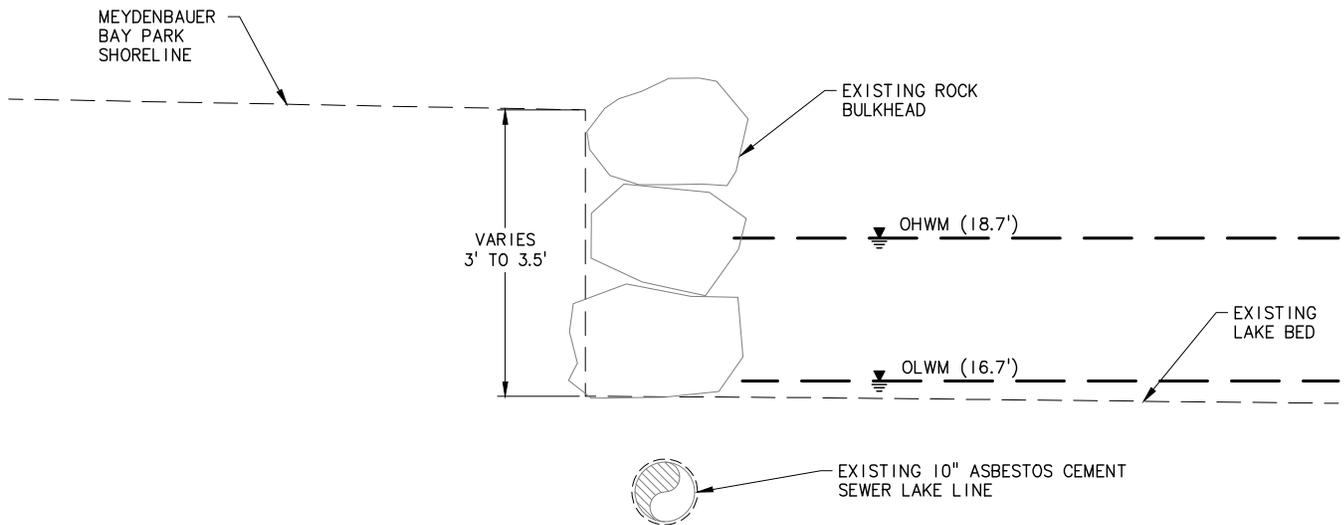
1. COFFERDAM SYSTEM WILL BE DETERMINED BY THE CONTRACTOR. INSTALLATION, STABILIZATION WILL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS AND BE ADJUSTED IN FIELD TO PROVIDE A SAFE WORKING ENVIRONMENT.
2. LAKE BED WILL BE RESTORED TO EXISTING CONTOURS FOLLOWING CONSTRUCTION.
3. DISTANCE FROM EDGE OF TRENCH TO COFFERDAM WILL BE DICTATED BY SITE CONDITIONS.
4. OHWM AT 18.7', OLWM AT 16.7'.



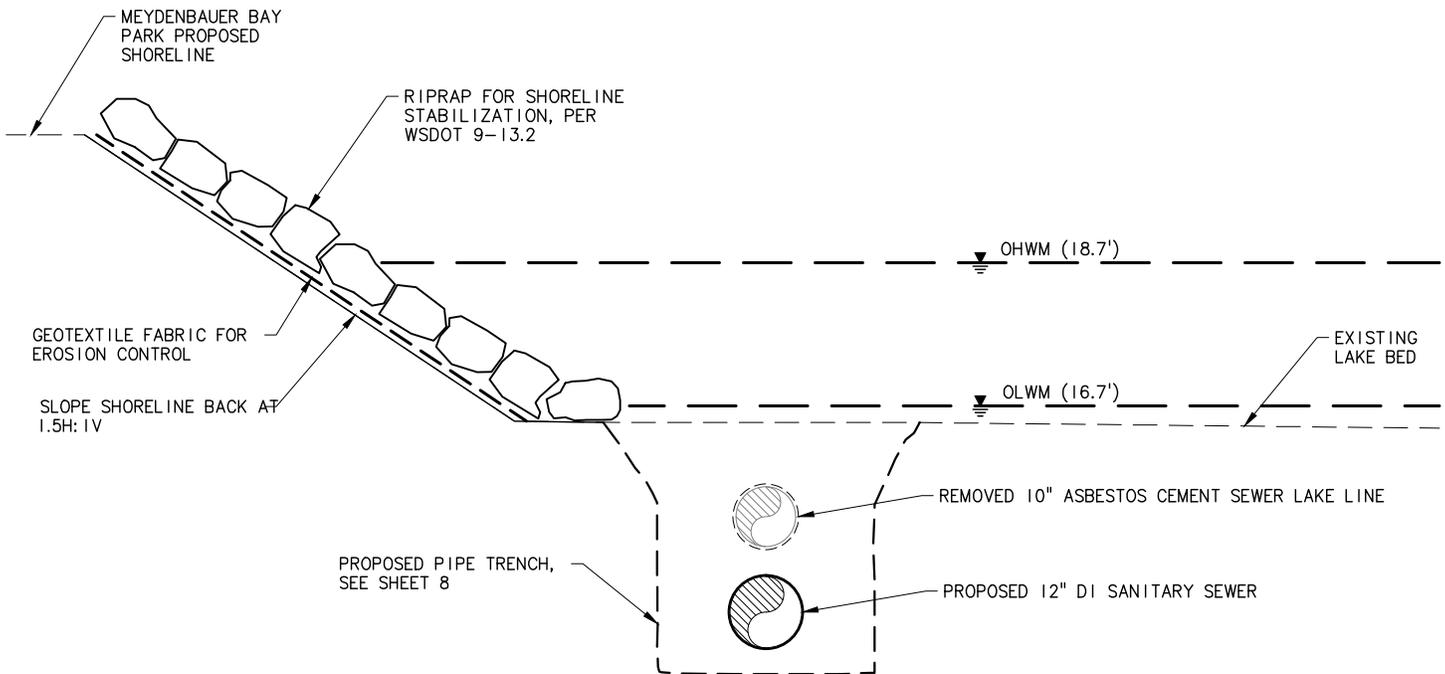
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ROCK BULKHEAD STABILIZATION

SE ¼ SEC. 31, T. 25N, R. 05E, W.M.



EXISTING SHORELINE
SCALE: NTS



PROPOSED BULKHEAD REMOVAL
SCALE: NTS

REFERENCE#: _____
 APPLICANT: CITY OF BELLEVUE,
 UTILITIES DEPARTMENT
 NAME: MEYDENBAUER BAY PARK
 SEWER LINE REPLACEMENT
 AND GRANGE PUMP STATION
 IMPROVEMENTS PROJECT
 AT: BELLEVUE, WASHINGTON
 SHEET: 9 OF 10
 DATE: OCTOBER 15, 2015

NOTES:

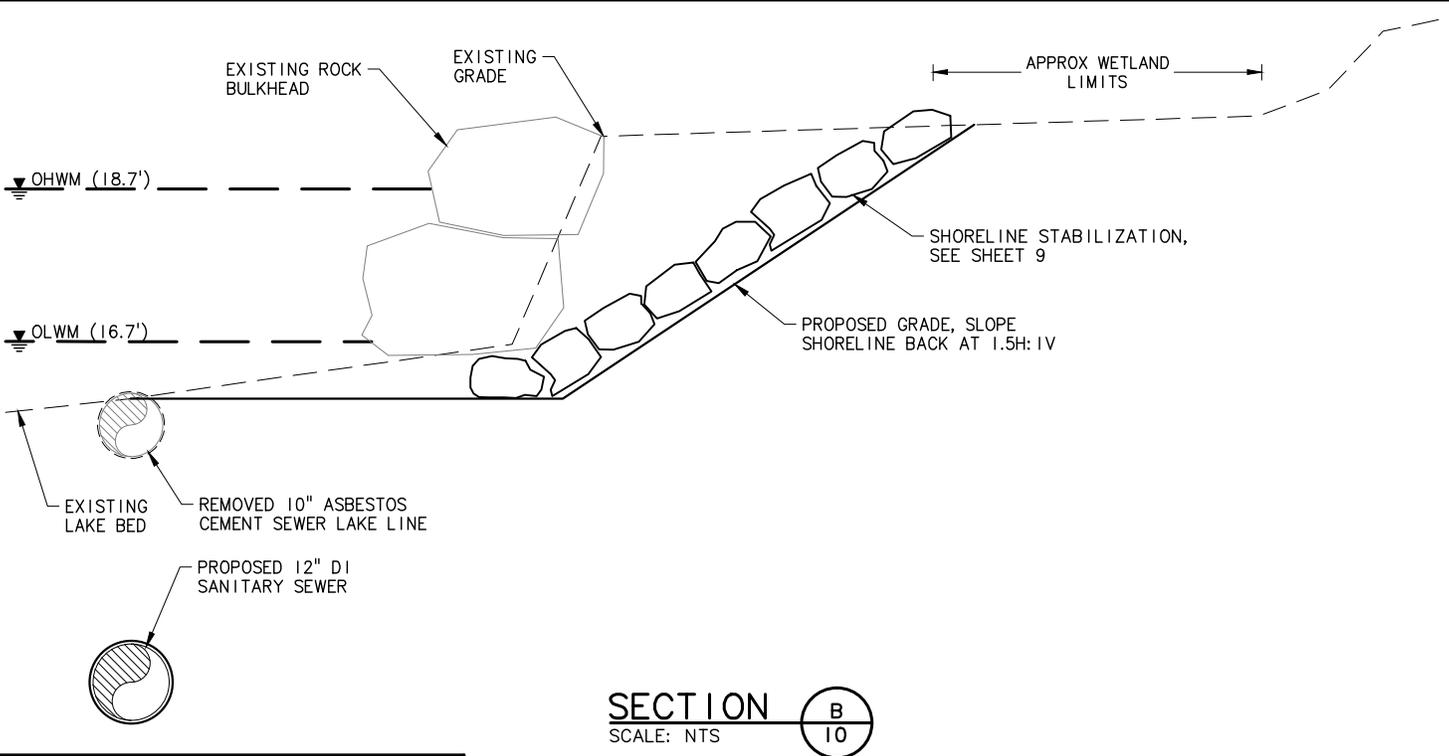
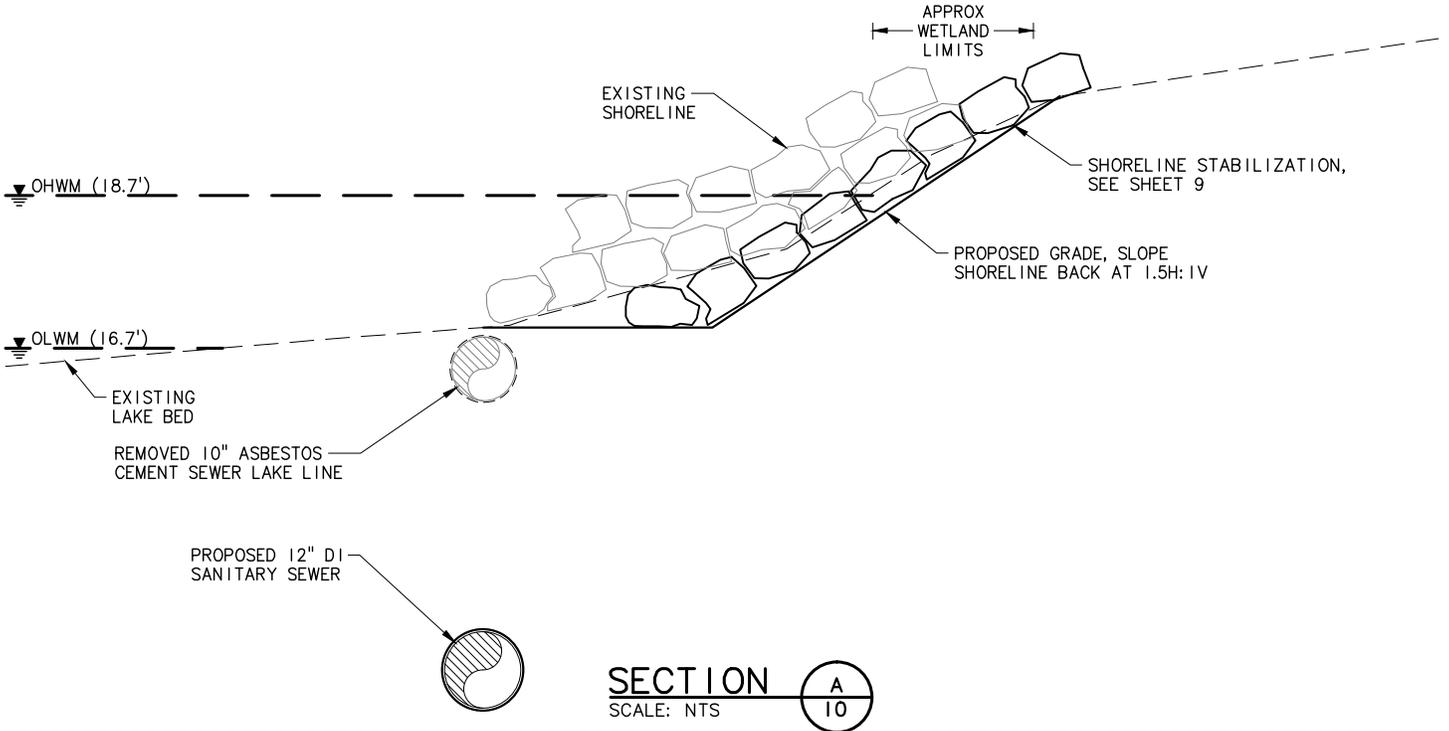
1. REMOVAL OF THE BULKHEAD AT LOCATIONS WHERE THE EXISTING SEWER IS LOCATED BELOW THE EXISTING ROCK BULKHEAD IS REQUIRED TO ACCESS THE EXISTING LAKE LINE AND INSTALL THE NEW SEWER LINE IN THE EXISTING EASEMENT.
2. OHWM AT 18.7', OLWM AT 16.7'.



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WETLAND CROSS SECTION VIEWS

SE ¼ SEC. 31, T. 25N, R. 05E, W.M.



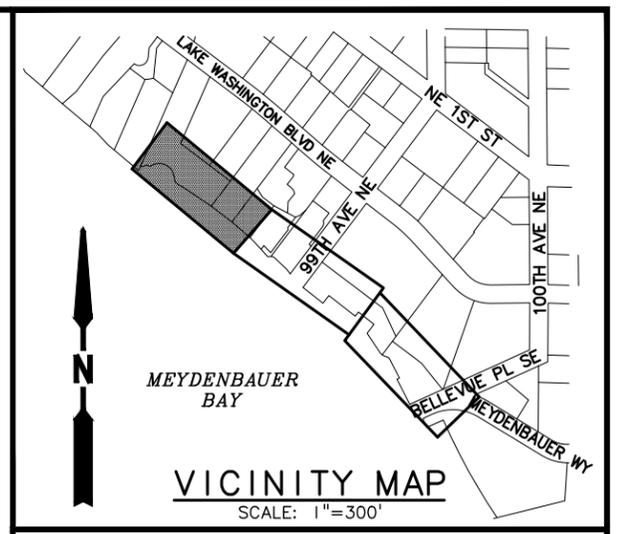
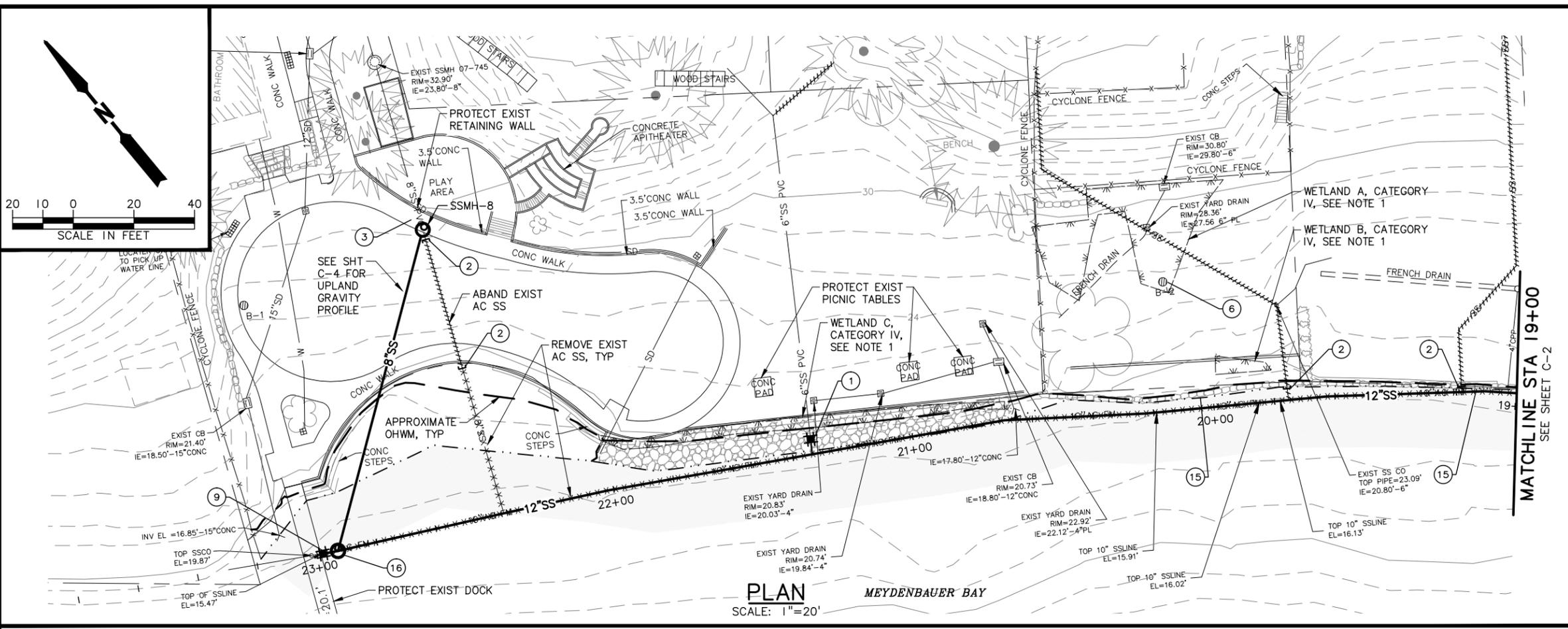
REFERENCE#: _____
 APPLICANT: CITY OF BELLEVUE,
 UTILITIES DEPARTMENT
 NAME: MEYDENBAUER BAY PARK
 SEWER LINE REPLACEMENT
 AND GRANGE PUMP STATION
 IMPROVEMENTS PROJECT
 AT: BELLEVUE, WASHINGTON
 SHEET: 10 OF 10
 DATE: OCTOBER 15, 2015

NOTES:
 1. OHWM AT 18.7', OLWM AT 16.7'.

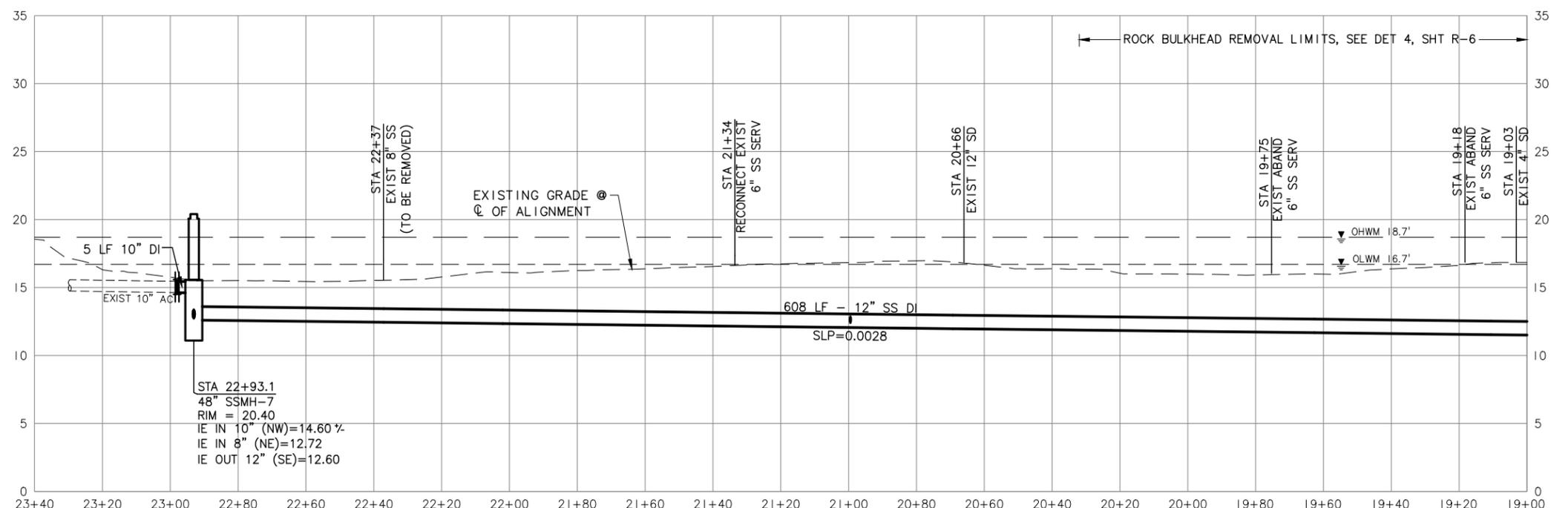


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r:_ext_projects\15\1700_belleuve_meydenbauer\CAD\SHEETS\15-1700-WA-CIVIL.dwg C-1 Plot Date: 1/19/2016 9:06 AM Plotted by: HCM v2012



- KEYED NOTES:**
- ① REMOVE & REPLACE RESIDENTIAL SS LINE CONNECTIONS TO MEET SEWER PROFILE PER CITY STD DET S-21. ROUTE 6" SS PVC TO GRAVITY SS LINE WITH 2% MIN CONTINUOUS SLOPE.
 - ② CAP ABANDONED SEWER LINE
 - ③ SADDLE MH PER CITY STD DET S-7
 - ⑥ TEST PITS/BORINGS FROM GEOTECHNICAL INVESTIGATION, SEE SPECIFICATIONS
 - ⑨ 10" ROMAC CPLG
 - ⑮ REMOVE PORTIONS OF ROCK BULKHEAD WHERE EXISTING LAKE LINE IS BELOW OR IMMEDIATELY ADJACENT TO BULKHEAD. SLOPE SHORELINE BACK AND STABILIZE PER DET 4, SHT R-6. SEE NOTE 3, THIS SHT.
 - ⑯ LAKE LINE CONNECTION MANHOLE SSMH-7, SEE SHT C-4



SEWER PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

- SHEET NOTES:**
- 1. WETLAND AS DELINEATED BY ANCHOR QEA IN 2015. CATEGORY BASED ON BCC CAO.
 - 2. CONTRACTOR SHALL EXPOSE LAKE LINE PIPE AT CONNECTION POINT FOR INSPECTION BY ENGINEER PRIOR TO CUTTING INTO AC SANITARY SEWER LINE.
 - 3. CONTRACTOR SHALL STOCKPILE EXCESS ROCKS NOT USED FOR SHORELINE STABILIZATION ONSITE FOR PARKS FUTURE USE. SEE SPECIFICATIONS.

60% SUBMITTAL

| NO | DATE | BY | APPR | REVISIONS |
|----|------|----|------|-----------|
| | | | | |
| | | | | |
| | | | | |

MSA Murray Smith & Associates, Inc.
Engineers/Planners
2707 Colby Avenue, Suite 1110 PHONE 425.252.9003
Everett, Washington 98201-3566 FAX 425.252.8853

PRELIMINARY ONLY
DO NOT USE FOR CONSTRUCTION
NOVEMBER 2015
MURRAY, SMITH & ASSOCIATES, INC.
Engineers/Planners

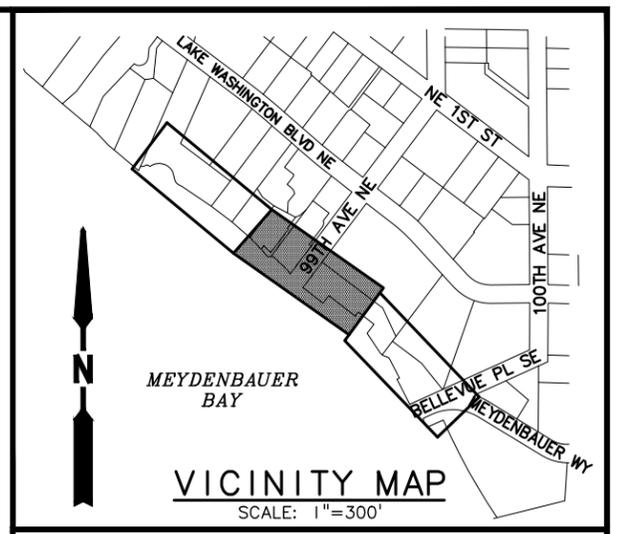
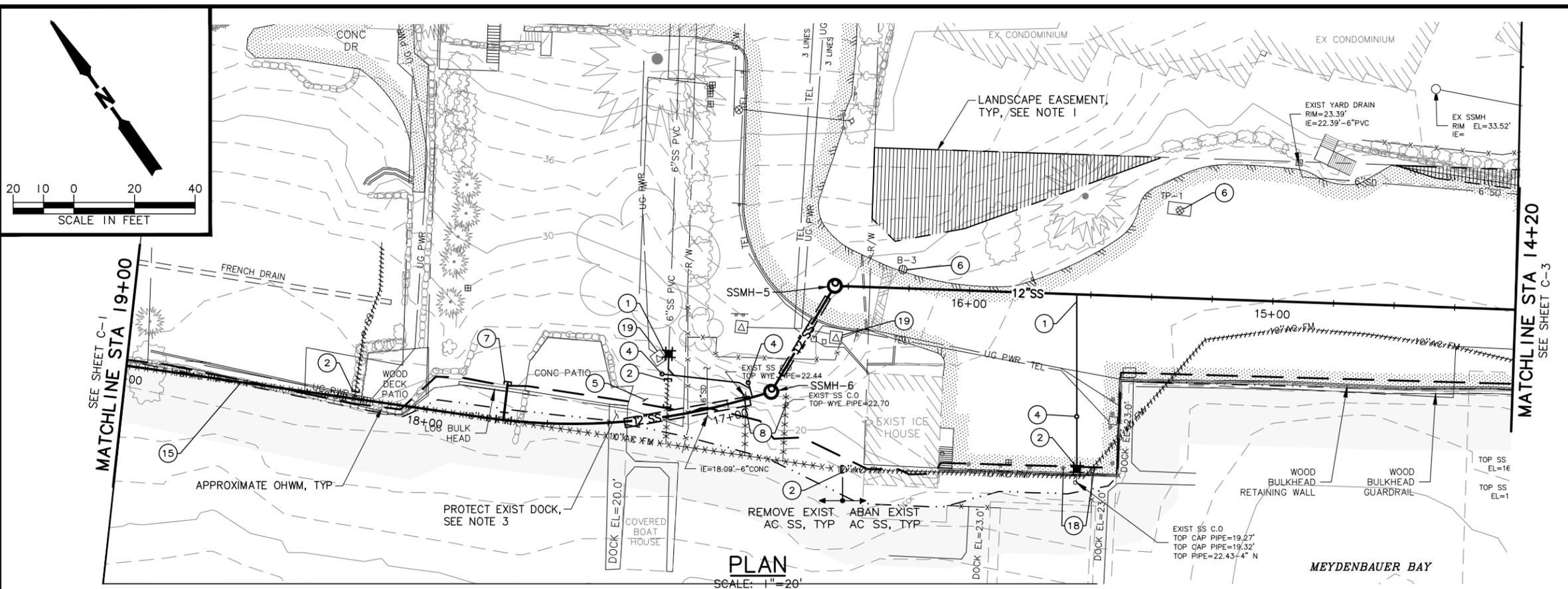
Approved By
UTILITIES ENGINEERING MANAGER DATE
PROJECT MANAGER DATE

SMRT 11/6/15
DESIGNED BY DATE
BAW 1/19/16
DRAWN BY DATE
SNG 11/6/15
CHECKED BY DATE

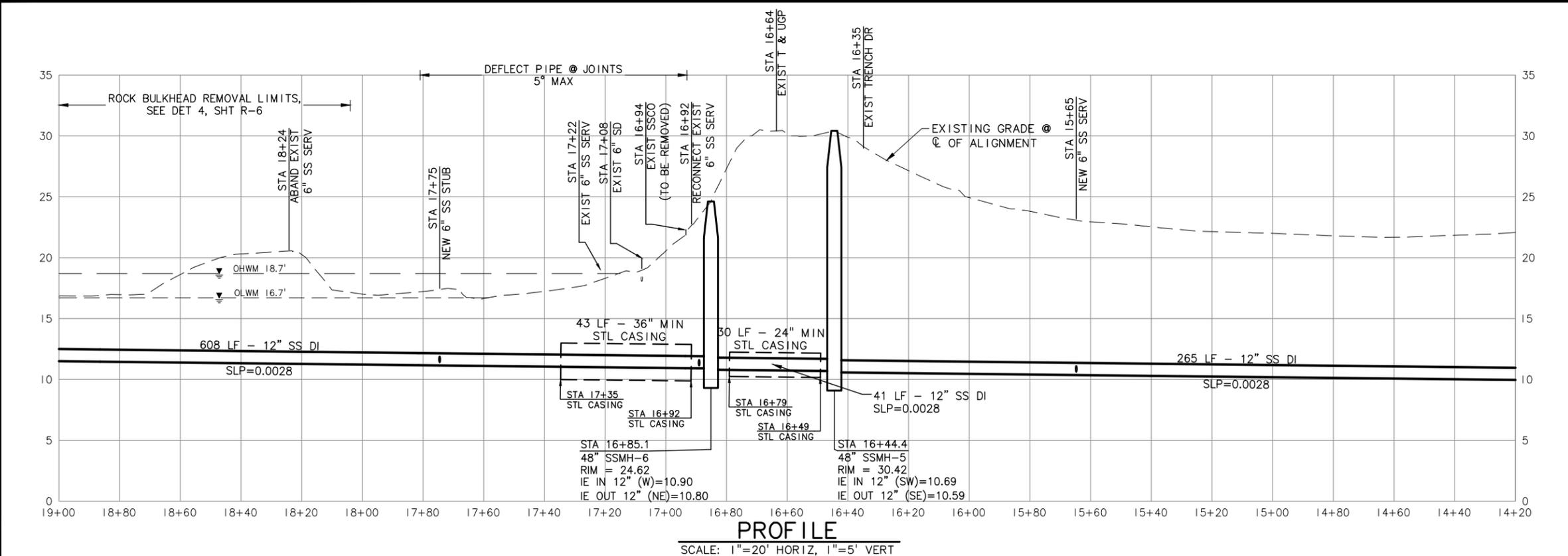


City of Bellevue
UTILITIES DEPARTMENT

MEYDENBAUER BAY PARK SEWER LINE REPLACEMENT AND GRANGE PUMP STATION IMPROVEMENTS
SEWER PLAN & PROFILE
STA 23+20 TO STA 19+00
SEC 31.TWP 25.RGE 5 SHT C-1 OF XX



- KEYED NOTES:**
- REMOVE & REPLACE RESIDENTIAL SS LINE CONNECTIONS TO MEET SEWER PROFILE PER CITY STD DET S-21. ROUTE 6" SS PVC TO GRAVITY SS LINE WITH 2% MIN CONTINUOUS SLOPE.
 - CAP ABANDONED SEWER LINE
 - CLEANOUT PER CITY STD DET S-16
 - PROTECT WATER AND POWER SERVICE TO RESIDENTIAL DOCK
 - TEST PIT/BORING FROM GEOTECHNICAL INVESTIGATION, SEE SPECIFICATIONS
 - 12"x6" PVC WYE & 10' STUB @ 2% W/ CAP. COORDINATE LOCATION W/ OWNER'S REPRESENTATIVE.
 - REMOVE EXIST ABOVE GROUND CONC. STRUCTURE, CLEANOUT AND ASSOCIATED PIPING
 - REMOVE PORTIONS OF ROCK BULKHEAD WHERE EXISTING LAKE LINE IS BELOW OR IMMEDIATELY ADJACENT TO BULKHEAD. SLOPE SHORELINE BACK AND STABILIZE PER DET 4, SHT 6-6. SEE NOTE 2, THIS SHT.
 - SALVAGE EXIST BOLLARDS, SEE RESTORATION SHEETS.
 - PROTECT EXIST UTILITY BOX



- SHEET NOTES:**
- WHALER'S COVE ASSOCIATION OF APARTMENT OWNER'S LANDSCAPE AND ACCESS EASEMENT. KING COUNTY RECORDING NO. 7906190805.
 - CONTRACTOR SHALL STOCKPILE EXCESS ROCKS NOT USED FOR SHORELINE STABILIZATION ONSITE FOR PARKS FUTURE USE. SEE SPECIFICATIONS.
 - CONTRACTOR SHALL PROTECT EXISTING DOCK AND PROVIDE ACCESS TO RESIDENT THROUGHOUT DURATION OF THE PROJECT. SEE SPECIFICATIONS FOR ALLOWABLE WORK WINDOW.

60% SUBMITTAL

| NO | DATE | BY | APPR | REVISIONS |
|----|------|----|------|-----------|
| | | | | |
| | | | | |
| | | | | |

MSA Murray Smith & Associates, Inc.
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NOVEMBER 2015
MURRAY, SMITH & ASSOCIATES, INC.
Engineers/Planners

Approved By
UTILITIES ENGINEERING MANAGER DATE
PROJECT MANAGER DATE

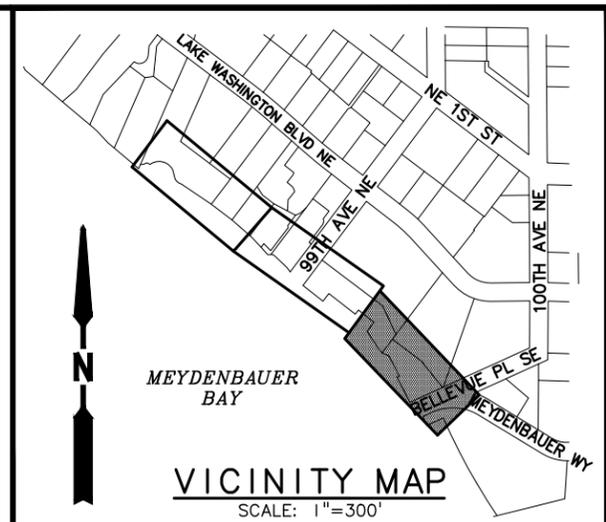
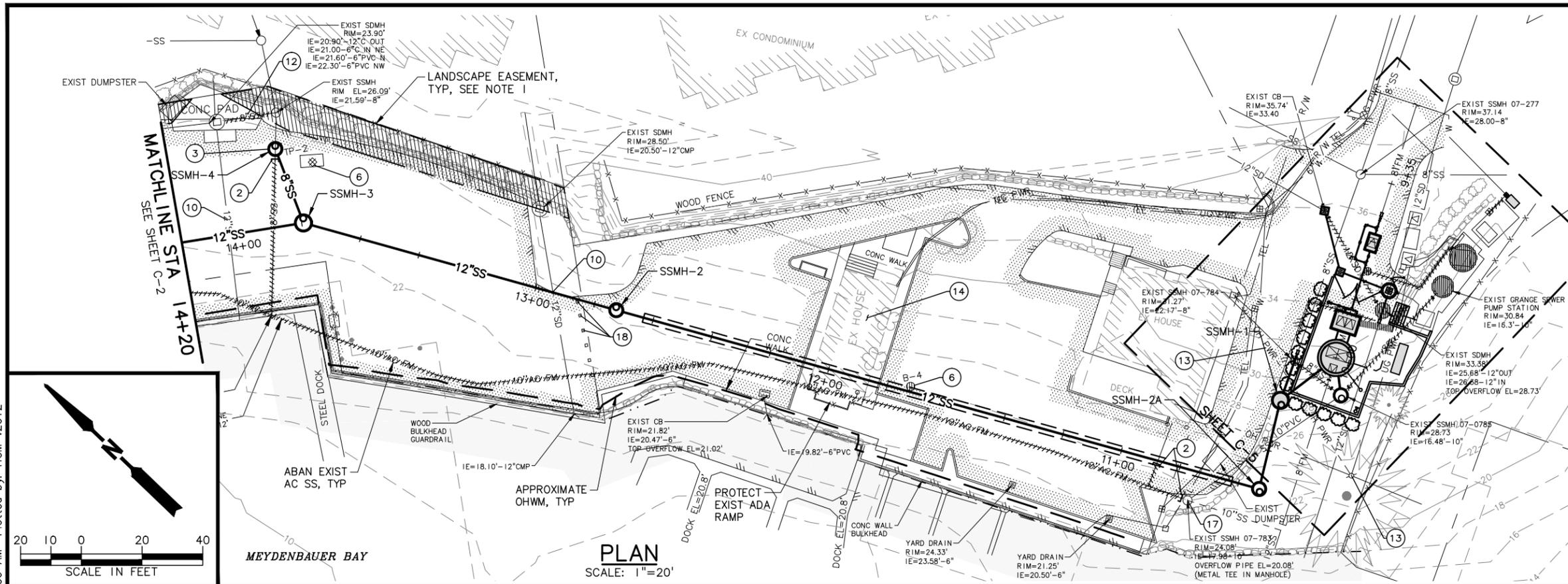
SMRT 11/6/15
DESIGNED BY DATE
BAW 1/19/16
DRAWN BY DATE
SNG 11/6/15
CHECKED BY DATE



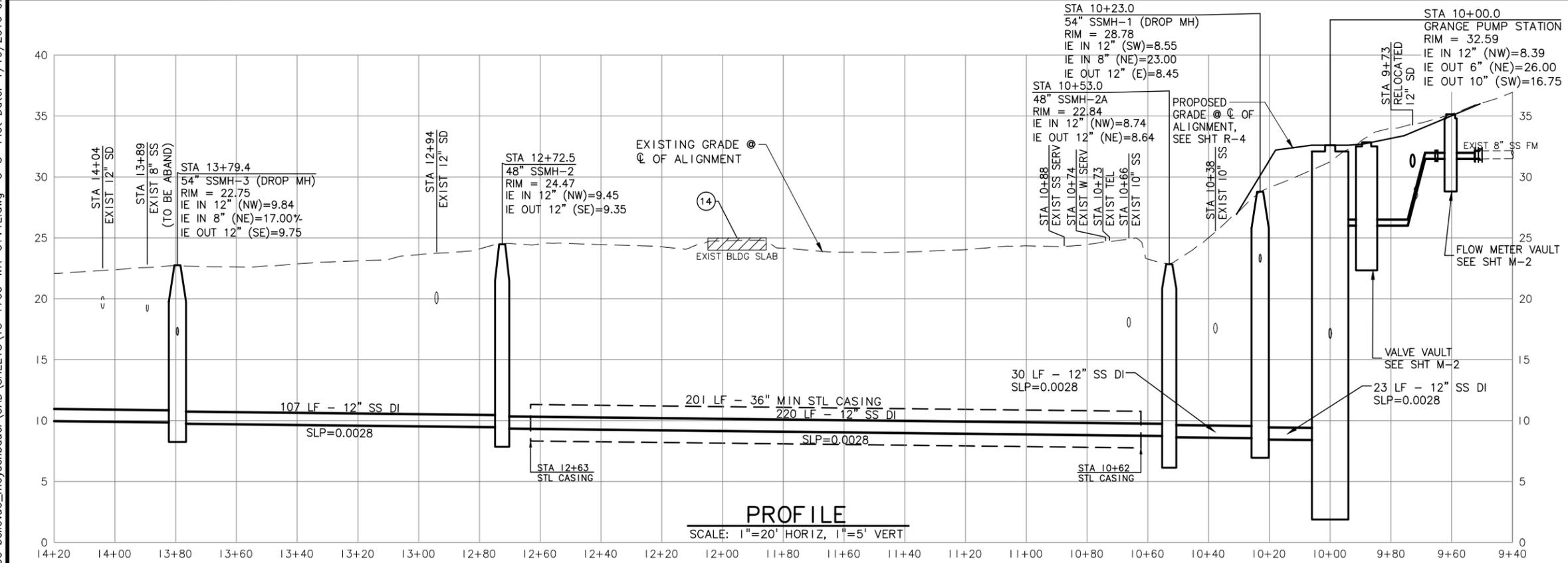
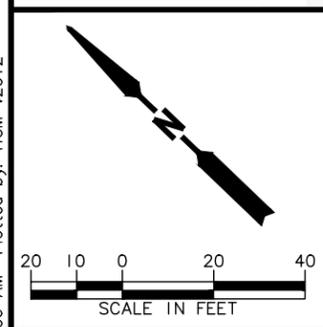
City of Bellevue
UTILITIES DEPARTMENT

MEYDENBAUER BAY PARK SEWER LINE REPLACEMENT AND GRANGE PUMP STATION IMPROVEMENTS
SEWER PLAN & PROFILE
STA 19+00 TO STA 14+20
SEC 31.TWP 25.RGE 5 SHT C-2 OF XX

r:_ext_projects\15\1700_belleuve_meydenbauer\CAD\SHEETS\15-1700-WA-CIVIL.dwg C-2 Plot Date: 1/19/2016 9:06 AM Plotted by: HCM v2012



- KEYED NOTES:**
- ② CAP ABANDONED SEWER LINE
 - ③ SADDLE MH PER CITY STD DET S-7
 - ⑥ TEST PIT BORINGS FROM GEOTECHNICAL INVESTIGATION, SEE SPECIFICATIONS
 - ⑩ PROTECT AND/OR TEMPORARILY RELOCATE, EXIST 12" SD. REPLACE AS NECESSARY
 - ⑫ ABANDON CONNECTION TO SD IN PLACE
 - ⑬ OVERHEAD POWER, CONTRACTOR TO COORDINATE W/ PSE AS NEEDED
 - ⑭ CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING FOUNDATION
 - ⑰ PLUG EXIST 10" SS LINE PENETRATION TO THE NW W/ GROUT. EXIST 10" SS LINES TO THE SE & E SHALL REMAIN
 - ⑱ SALVAGE EXIST BOLLARDS, SEE RESTORATION SHTS



SHEET NOTES:

1. WHALER'S COVE ASSOCIATION OF APARTMENT OWNER'S LANDSCAPE AND ACCESS EASEMENT. KING COUNTY RECORDING NO. 7906190805.

60% SUBMITTAL

| NO | DATE | BY | APPR | REVISIONS |
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MSA Murray Smith & Associates, Inc.
Engineers/Planners
 2707 Colby Avenue, Suite 1110 PHONE 425.252.9003
 Everett, Washington 98201-3566 FAX 425.252.8853

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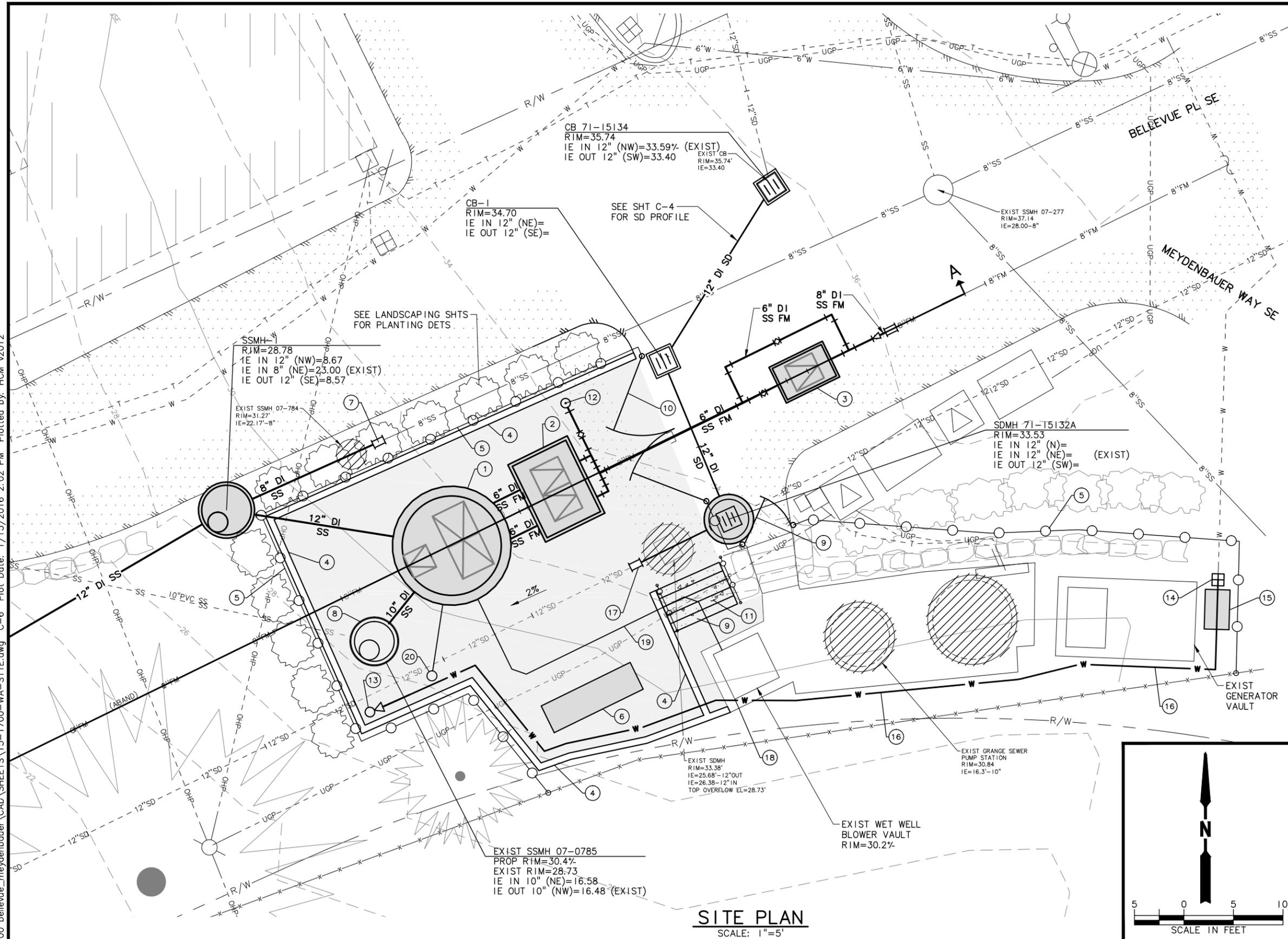
SMRT 11/6/15
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 SNG 11/6/15
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CITY OF BELLEVUE WASHINGTON
City of Bellevue
 UTILITIES DEPARTMENT

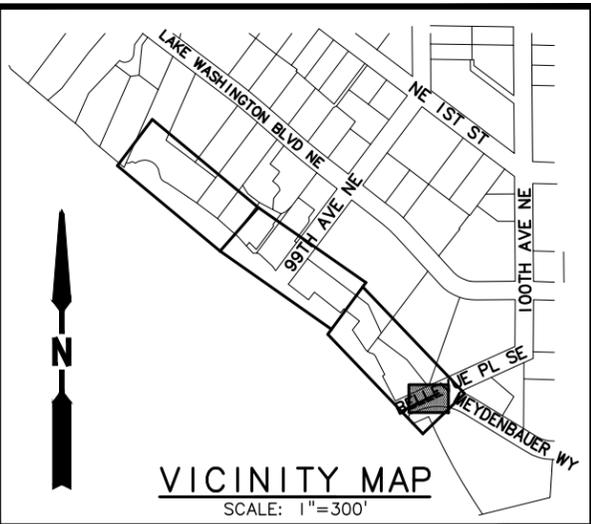
MEYDENBAUER BAY PARK SEWER LINE REPLACEMENT AND GRANGE PUMP STATION IMPROVEMENTS
 SEWER PLAN & PROFILE
 STA 14+20 TO STA 9+40
 SEC. 31 TWP. 25 RGE. 5 SHT C-3 OF XX

n:_ext_projects\15\1700_bellevue_meydenbauer\CAD\SHEETS\15-1700-WA-CIVIL.dwg C-3 Plot Date: 1/19/2016 9:06 AM Plotted by: HCM v2012

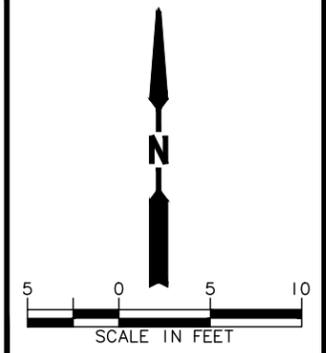
H:\ext_projects\15\1700_bellevue_meydenbauer\CAD\SHEETS\15-1700-WA-SITE.dwg C-6 Plot Date: 1/15/2016 2:02 PM Plotted by: HCM v2012



SITE PLAN
SCALE: 1"=5'



- KEYED NOTES:**
- 1 DUPLEX SUBMERSIBLE PUMP STATION, SEE SHT M-1
 - 2 VALVE VAULT, SEE SHT M-2
 - 3 FLOW METER VAULT, SEE SHT M-2
 - 4 RETAINING WALL
 - 5 STEEL SECURITY FENCE
 - 6 POWER AND CONTROL PANEL, SEE ELECTRICAL SHTS
 - 7 8" ROMAC CPLG
 - 8 REPLACE CHIMNEY AND CONE, STEPS, LADDER AND FRAME/COVER. INSTALL 5 FOOT HIGH BARREL SECTION TO MATCH FINAL GRADE. RE-CHANNEL MH TO ALLOW SMOOTH HYDRAULIC TRANSITION.
 - 9 SAFETY HANDRAIL
 - 10 DUAL 8" STEEL SECURITY GATE WITH PADLOCK AND HARDWARE
 - 11 CONCRETE STAIRCASE
 - 12 TEMP PS/FM BYPASS, SEE SHT M-2
 - 13 FROST-FREE YARD HYDRANT
 - 14 WATER METER PER STD DET W-23/W-24
 - 15 RPBA IN HOT BOX ENCLOSURE, SEE DET 4, SHT M-3
 - 16 1" COPPER WATER SERVICE, COORDINATE WATER SERVICE CONNECTIONS WITH CITY FOR EXIST WATER SERVICE TIE-IN LOCATION
 - 17 12" ROMAC CPLG
 - 18 WET WELL BLOWER VAULT MODIFICATIONS, SEE DET 2, SHT M-4
 - 19 WET WELL 10" PVC VENTILATION DUCT
 - 20 WET WELL VENTILATION OUTLET, SEE DET 5, SHT M-3



**REVISED DRAFT
SUBMITTAL**

| NO | DATE | BY | APPR | REVISIONS |
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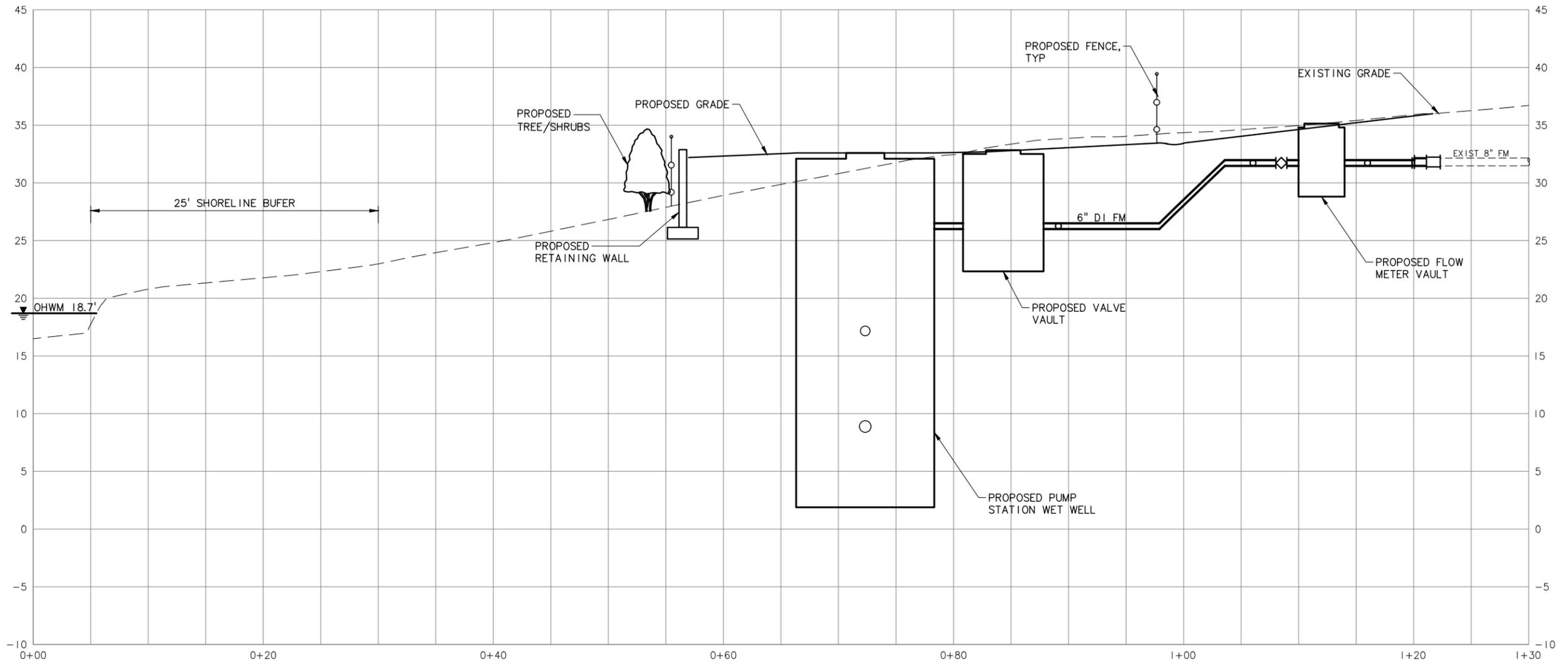
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City of
Bellevue
UTILITIES DEPARTMENT

MEYDENBAUER BAY PARK SEWER LINE
REPLACEMENT AND GRANGE PUMP STATION
IMPROVEMENTS
PUMP STATION SITE PLAN
SEC. 31 TWP 25 RGE 5 SHT C-6 OF XX



SECTION A-A
 SCALE: 1"=5' HORIZ, 1"=5' VERT



**City of
Bellevue**

UTILITIES DEPARTMENT

**MEYDENBAUER BAY PARK SEWER LINE
REPLACEMENT PROJECT**

**PROPOSED NEW GRANGE PUMP
STATION SITE PROFILE**

FIGURE 1



Murray Smith & Associates, Inc.
Engineers/Planners

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JANUARY 2016

H:\evit_projects\15\1700\bellevue_meydenbauer\CAD\SHEETS\15-1700-WA-SITE.dwg FIGURE 1 / 15/2016 2:02 PM HCM 20.0s (LMS Tech)