



US Army Corps
of Engineers
Seattle District



WASHINGTON STATE
DEPARTMENT OF
E C O L O G Y

Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers

Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone: (206) 764-3482
ATTN: Jordan Bunch,
Project Manager

WA Department of Ecology

SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6076
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: August 20, 2020
Expiration Date: September 19, 2020

Reference No.: NWS-2019-876
**Name: Sunlight Beach Erosion and
Restoration**

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the U.S. as described below and shown on the enclosed drawings dated June 2020.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: Island County Diking District 1
Attention: Mr. Thomas Kraft
P.O. Box 74
Freeland, WA 98235
Telephone: (808) 479-7008

AGENT: Environmental Science Associates
Attention: Ms. Margaret Clancy
53090 Shilshole Avenue Northwest, Suite 200
Seattle, WA 98107
Telephone: (206) 789-9658

LOCATION: In Useless Bay from 2470 to 2650 Sunlight Beach Road, near Freeland, Island County, Washington.

WORK: The applicant proposes to implement several actions to address erosion of Sunlight Beach and cross-shore sediment transport processes in the vicinity of Sunlight Beach. The applicant also proposes restore original beach elevation profiles through re-establishment of a recreational beach. The project would involve the following actions:

1. Maintain sixteen 65-linear-foot existing timber sand retention structures (referred to as sills) waterward of mean high water in order to facilitate trapping of sediment and widen the beach over time (Sheets 1-2). Existing wooden piles would be removed and replaced with 141 six- to ten-inch diameter untreated wooden piles. Each sill would be composed of eight or nine piles spaced eight feet apart and driven by vibratory

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hammer six- to ten- feet deep. The piles would be delivered to the site by excavator, skid steer, and/or dump truck. An excavator would be used to position and install each pile. Untreated wooden boards would be attached to the piles by hand and would not extend in excess of two-feet above the updrift elevation of the beach at the time of installation. An excavator may move sand and gravel to install some of the lower planks. Construction access on beach would be during low tide only and no access improvements will be made. Estimated construction duration is 30 work days.

2. Remove 18,000 CY of super sack sandbags waterward of the high tide line from an area of 18,000 SF that were placed in 2019 and 2020 under emergency authorization from the Corps (Sheet 3). The sandbags would be opened by hand or excavator and material would be allowed to deposit on to the beach waterward of the high tide line. The plastic casings would be removed to an approved upland disposal site. Estimated construction duration is 2 work days.
3. Repair 120 LF on an existing dike structure waterward of the high tide line using 120 CY of material by removing and replacing fallen and unstable armoring with larger rip rap taken from the existing rock groin adjacent to Henney Spit (Sheets 9-10). The dike would remain in the same configuration and location and there would be no change to the height or waterward extent of the dike. The repairs would occur at three individual locations along the dike (Sheet 9).

Repair 200 LF of the existing dike structure waterward of the high tide line using 260 CY of material over an area of 3,000 SF. Rip rap material would be placed at the toe of the dike to decrease the slope of the dike which is currently 0.5:1. The new slope would match adjacent dike sections at 1.5:1. Up to 100 CY of rip rap would be taken from the existing rock groin adjacent to Henney Spit.

An excavator and skid steer would be used in both repairs and would access the upper intertidal zone of Sunlight Beach during low tides. Estimated construction duration is 10 work days.

4. Place 1,000 CY of gravel and 850 CY of sand sourced from an inland supplier waterward of the high tide line over an area of 22, 800 SF to dissipate wave energy in front of the dike and minimize wave reflection (Sheets 11-12). The placement would span 500 LF along the toe of existing dike with a width of 40-60 feet. Moving East to West the first 200 LF would have gravel placed at three-feet thickness, the next 100 LF would have gravel placed at two-feet thickness, and the last 200 LF would have gravel placed at one-foot thickness. A one-foot thick layer of sand would then be placed on top of the entire 500 LF of gravel. Up to 260 CY of material from below the High Tide Line (HTL) would need to be excavated to place the gravel mat. The gravel and sand would be dumped using dump trucks from the uplands and an excavator and skid steer would be used to grade the gravel and sand on the beach. Estimated construction duration is 5 to 10 work days.
5. Remove 70 linear feet (LF) of from the waterward end of an existing rock groin located adjacent to the existing Henney Spit mouth in order to facilitate sediment movement towards Sunlight Beach (Sheet 4). An excavator would cross the mouth of the spit using temporary timbers laid across the mouth at low tide. The excavator and wheel loader would remove 400 cubic yards (CY) of rock over an area of 1,110 square feet (SF) and place the material on a dump truck that would remain in the uplands on the dike. The material would then temporarily stockpiled in the uplands. Up to 200 CY of the stones would be reused for dike repair actions. The rest of the material would remain in the temporary stockpile site during an observation period or be removed to an approved upland facility. The applicant has developed a Monitoring and Adaptive Management Plan to monitor the shoreline following the removal of the section of groin. Estimated construction duration is 3 work days.

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6. Dredge 1,890 CY over an area of up to 22,000 SF waterward of the high tide line in order to breach the southern end of Henney Spit and create a new inlet (Sheet 7-8). The length of the dredge would be 250 LF cut perpendicularly through the existing sand spit. The breach would have a trapezoidal cross-section, with a bottom width of 40 feet and top width of 80 feet (similar to the existing tidal inlet at the north end of the spit). An excavator and bulldozer would access the spit by crossing temporary timbers across the mouth of the spit at low tide. Equipment would travel along the crest of Henney Spit to excavate the sediment from the southern end and transport it to the northern end. Estimated construction duration is 3 work days.
7. Place 2,250 CY of material dredged from the southern end of Henney Spit waterward of the high tide line over an area of 14,500 SF at the outlet on the northern end of Henney spit to close the existing inlet, weld the spit onto Sunlight Beach, and facilitate even distribution of sediment across Sunlight Beach to raise beach elevations (Sheets 4-6). A total of 100 linear feet of the channel would be filled with a depth of four to eight feet, and a width of 70 feet. Estimated construction duration is 3 work days.

All project work occurring waterward of the HTL would be conducted within the work window for Useless Bay of July 16 to February 15. Construction work on Sunlight Beach is proposed to be conducted in the dry during periods of low tide.

PURPOSE: Repair and protect existing dike and manage cross-shore sediment transport processes in Useless Bay at Sunlight Beach near Clinton, Island County, Washington.

Dredged Material Testing:

This project has been evaluated according to the guidelines specified by DMMP, a multi-agency program for the evaluation of dredged material proposed for disposal at open-water sites in Washington State. Based on a Tier 1 evaluation, the potential for contamination to be present is low. The DMMP agencies have determined that the sediment exposed by dredging will likely meet the State of Washington anti-degradation standard, and therefore, no DMMP testing of the leave surface is required for this project.

ADDITIONAL INFORMATION:

The location of the high tide line shown on the project drawings has not yet been verified by the U.S. Army Corps of Engineers (Corps). If the Corps determines the boundaries of the waters are substantially inaccurate a new public notice may be published.

MITIGATION: No mitigation has been proposed for this activity.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat.

After receipt of comments from this public notice, the U.S. Army Corps of Engineers will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area.

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If the U.S. Army Corps of Engineers (Corps) determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

CULTURAL RESOURCES: The Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. No known historic properties occur in the vicinity of the proposed project. Because of its location on the landscape there is a likelihood that unknown historic properties occur in the project area. An historic properties investigation may be required during the permit application review. The Corps invites responses to this public notice from Native American Tribes or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

SOURCE OF FILL MATERIAL: The source of the fill material will be on-site dredged materials and clean rock, sand, and gravel from commercially available sources.

EVALUATION – ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or

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deny certification for the proposed project.

ADDITIONAL EVALUATION:

This proposal is the subject of Shorelines Substantial Development Permit No. 205/20, being processed by Island County.

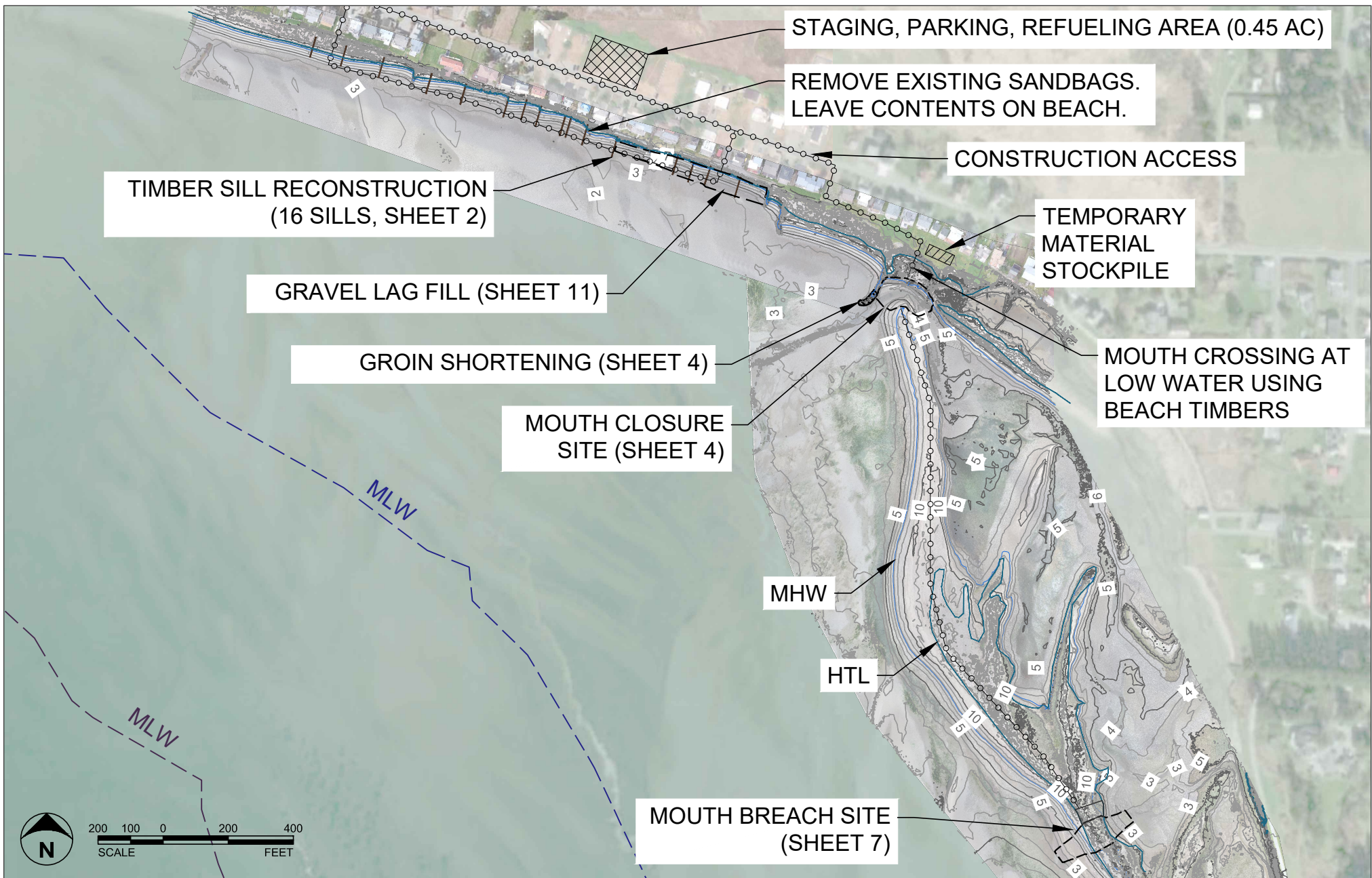
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

CORPS COMMENTS: All e-mail comments should be sent to jordan.a.bunch@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Jordan Bunch, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98504-7600, or e-mail to ecyrefedpermits@ecy.wa.gov.

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Island County Diking District 1; NWS-2019-876

Encl: Figures (12)



PROPOSED PROJECT:
Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1
REFERENCE: NWS-2019-876

LOCATION ADDRESS:
Sunlight Beach Road
NEAR: Clinton
COUNTY: Island **STATE:** Washington

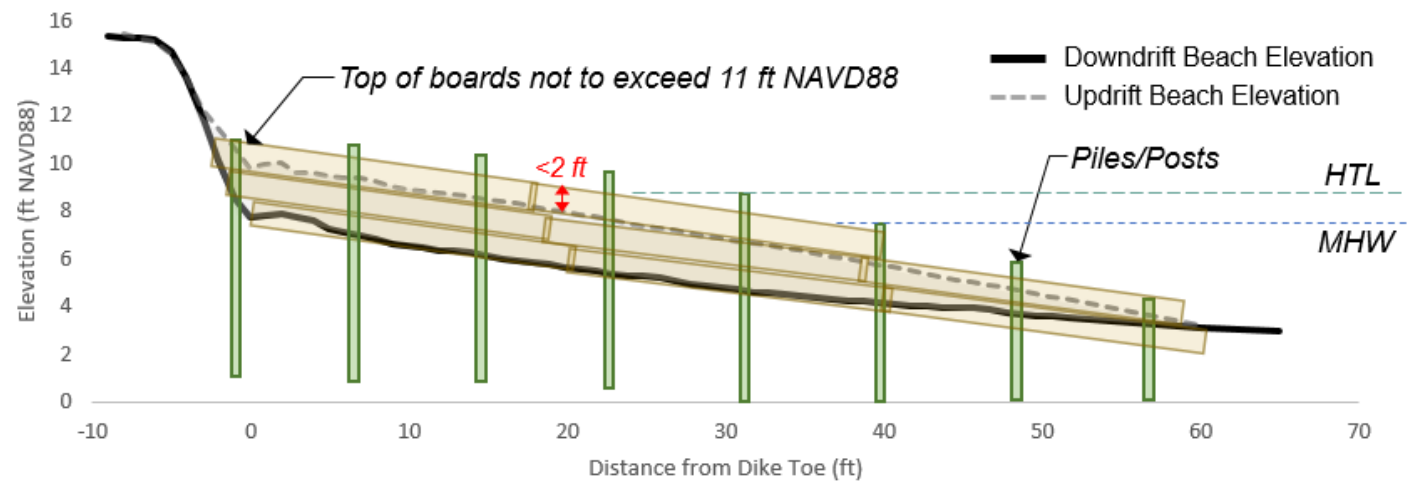
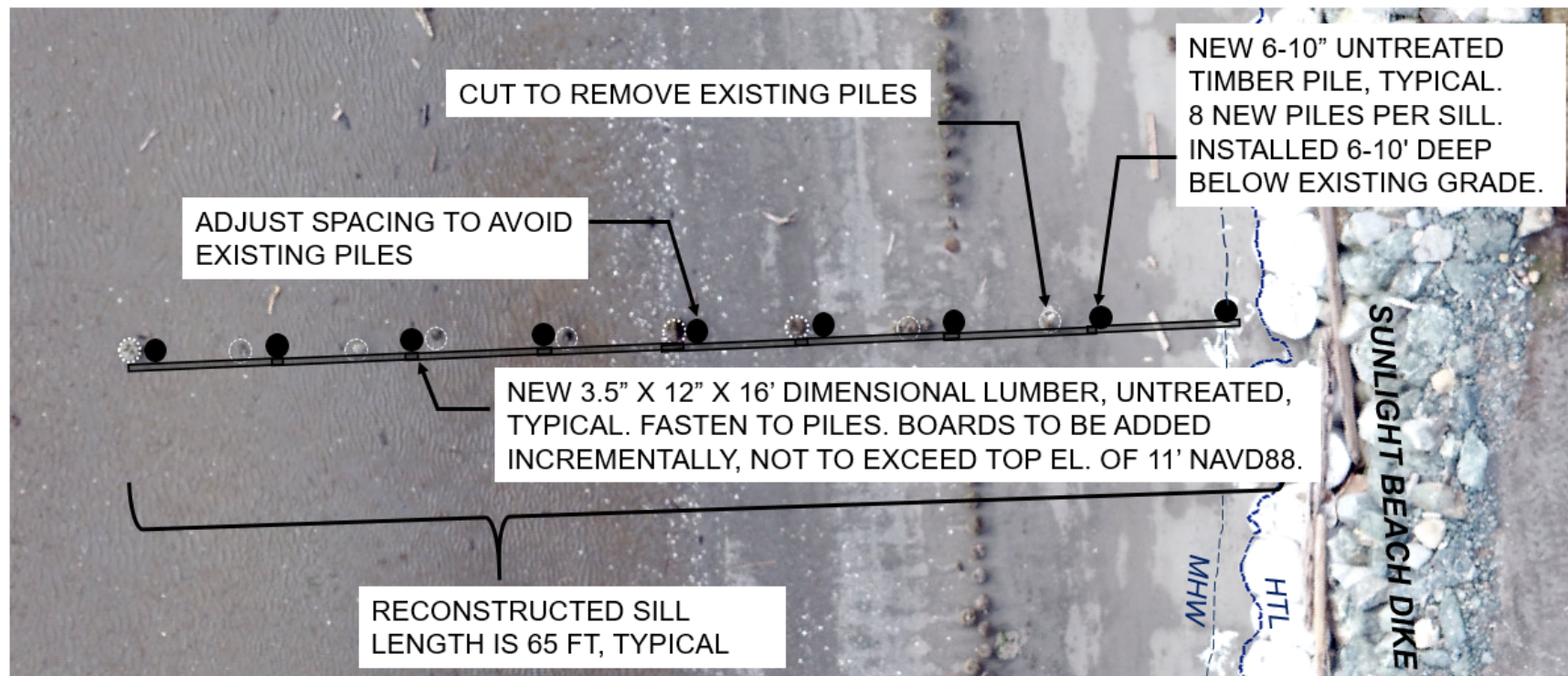
LAT/LONG:
47°59'16.0"N 122°28'29.0"W

VICINITY MAP

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 1 of 12

DATE: June, 2020



PROPOSED PROJECT:
Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1
REFERENCE: NWS-2019-876

LOCATION ADDRESS:
Sunlight Beach Road
NEAR: Clinton
COUNTY: Island **STATE:** Washington

LAT/LONG:
47°59'16.0"N 122°28'29.0"W

SILL RECONSTRUCTION DETAIL

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 2 of 12

DATE: June, 2020

STAGING, PARKING, REFUELING AREA
0.45 AC

ACCESS ROUTE

HTL

MHW

CUT OPEN ALL EXPOSED SANDBAGS.
LEAVE SAND-GRAVEL CONTENTS ON
BEACH. DISPOSE OF SYNTHETIC BAG.

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LOCATION ADDRESS:
Sunlight Beach Road
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COUNTY: Island **STATE:** Washington

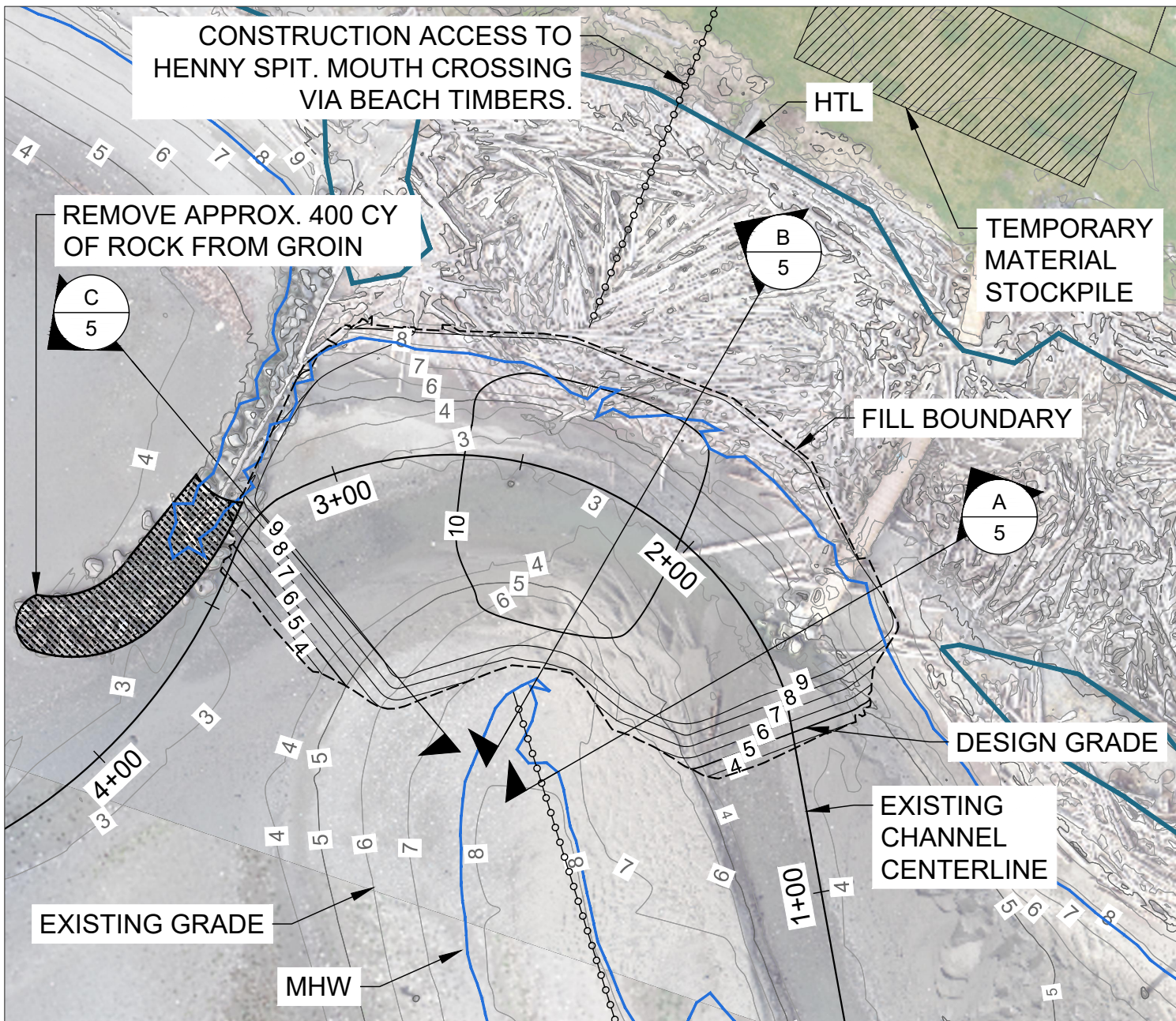
LAT/LONG:
47°59'16.0"N 122°28'29.0"W

SANDBAG REMOVAL DETAIL

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 3 of 12

DATE: June, 2020



FILL BELOW HTL: 2,250 CY
FILL ABOVE HTL: 0 CY

TOTAL FILL: 2,250 CY

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APPLICANT: Island County Diking District #1
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LOCATION ADDRESS:
Sunlight Beach Road
NEAR: Clinton
COUNTY: Island **STATE:** Washington

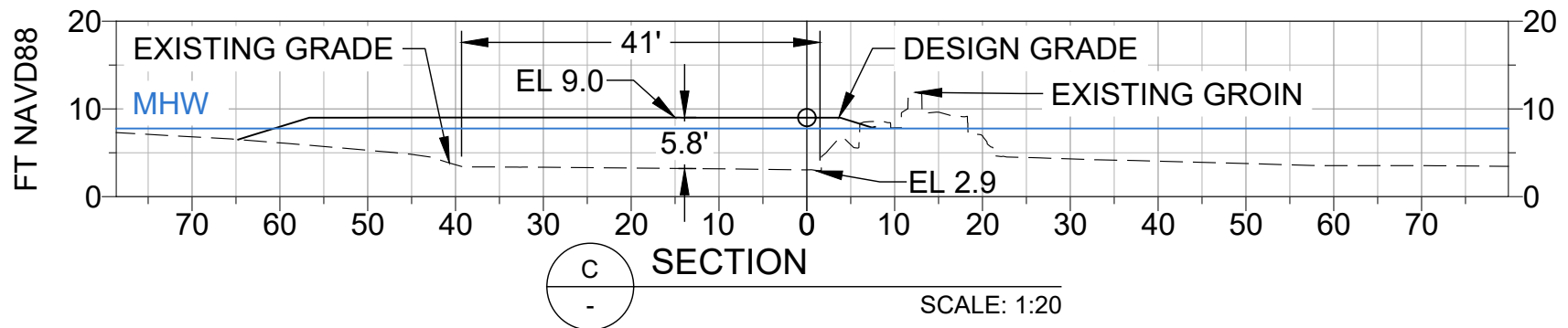
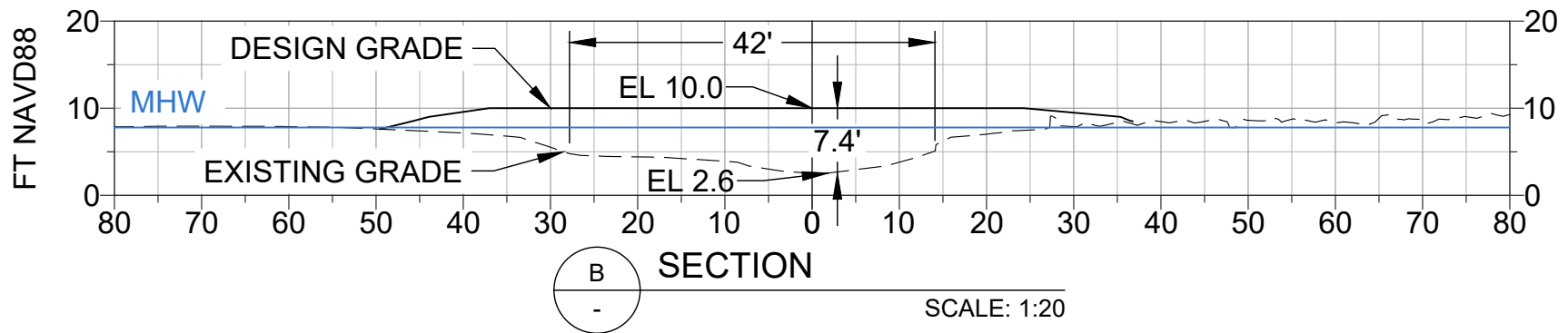
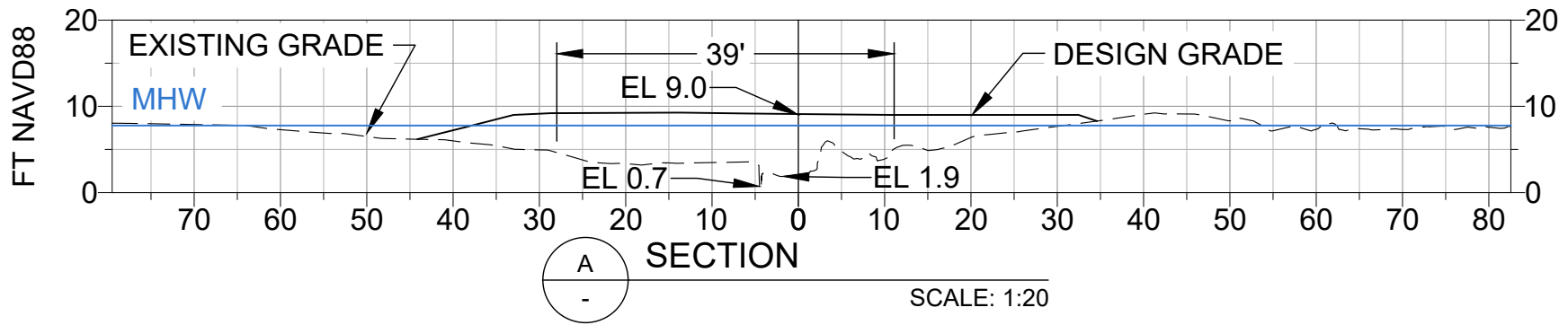
LAT/LONG:
47°59'16.0"N 122°28'29.0"W

MOUTH FILL DETAIL PLAN VIEW

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 4 of 12

DATE: June, 2020



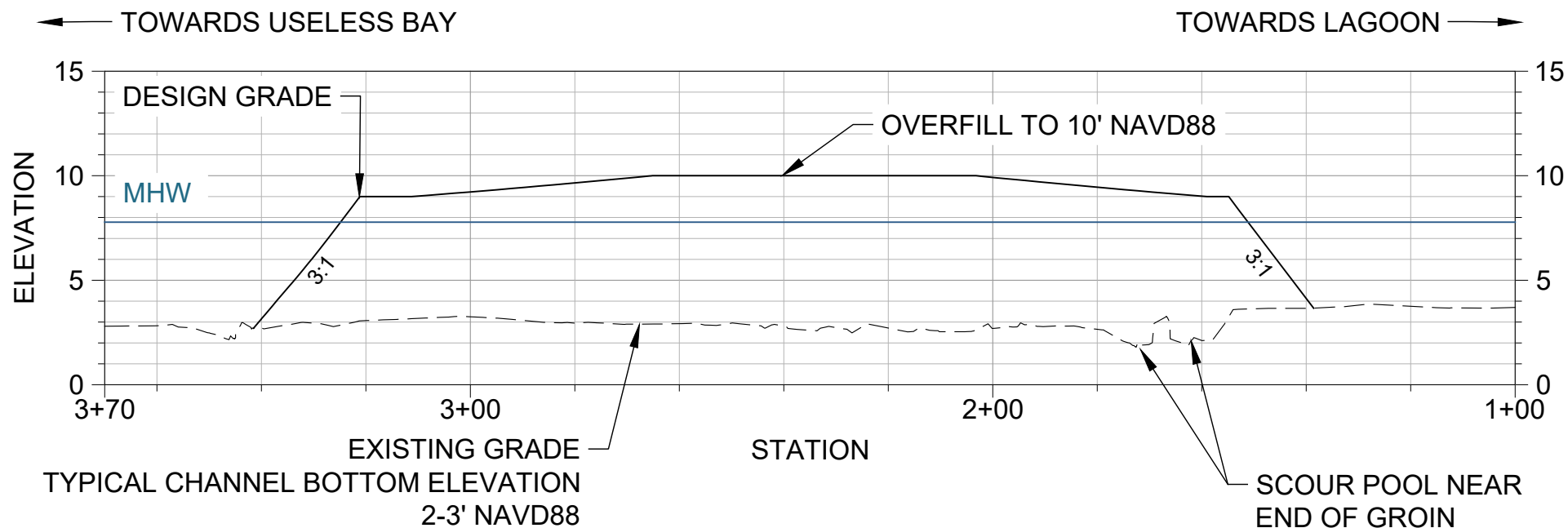
PROPOSED PROJECT:
Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1
REFERENCE: NWS-2019-876

LOCATION ADDRESS:
Sunlight Beach Road
NEAR: Clinton
COUNTY: Island **STATE:** Washington
LAT/LONG:
47°59'16.0"N 122°28'29.0"W

MOUTH FILL SECTION VIEW

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983
SHEET: 5 of 12
DATE: June, 2020



MOUTH CHANNEL FILL

PROFILE VIEW

HORZ: 1:30

VERT: 1:7.5

PROPOSED PROJECT:

Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1

REFERENCE: NWS-2019-876

LOCATION ADDRESS:

Sunlight Beach Road

NEAR: Clinton

COUNTY: Island

STATE: Washington

LAT/LONG:

47°59'16.0"N 122°28'29.0"W

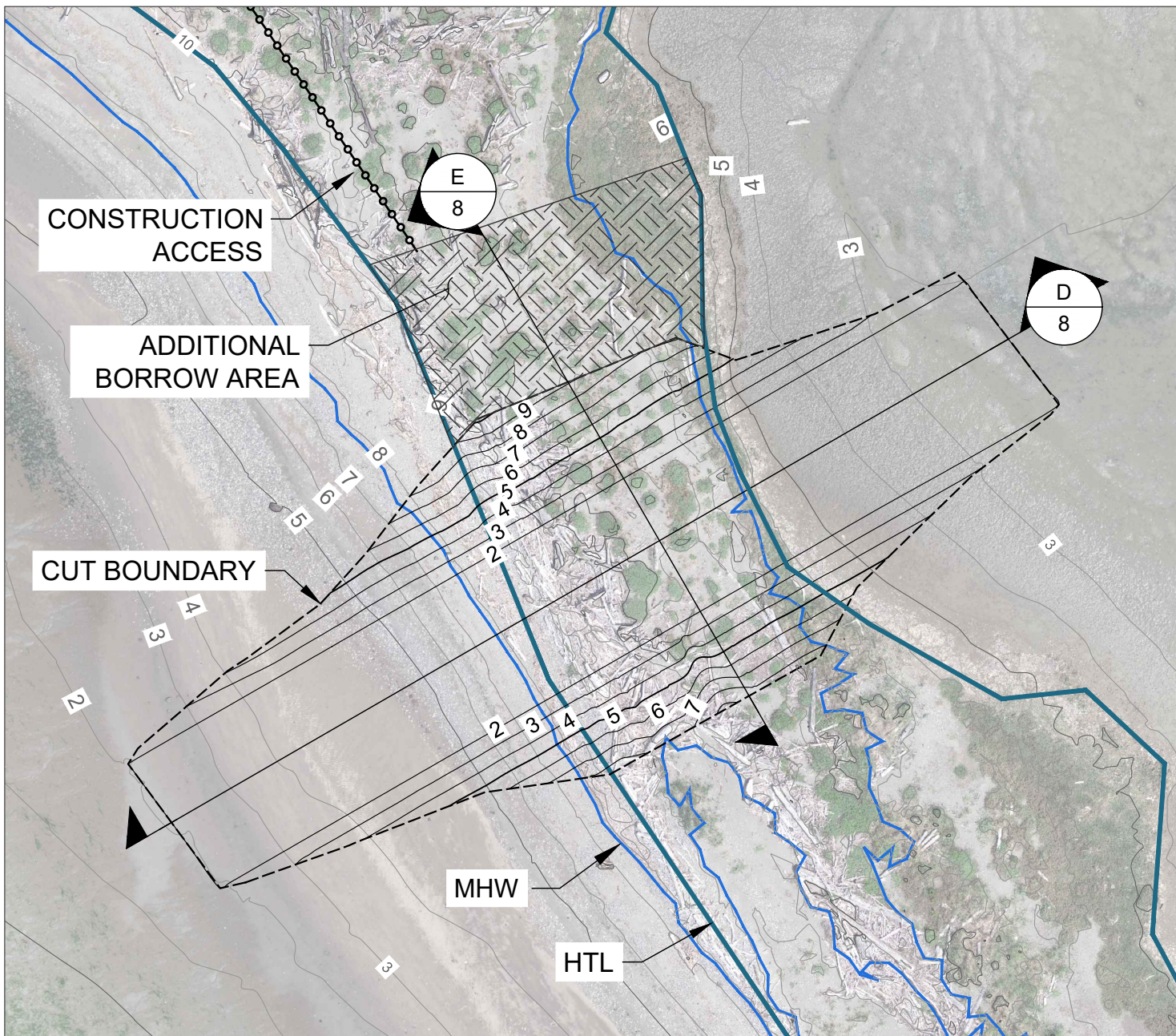
MOUTH FILL PROFILE VIEW

DATUM: Vertical: North American Vertical Datum 1988

Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 6 of 12

DATE: June, 2020



CUT BELOW HTL: 1890 CY
CUT ABOVE HTL: 110 CY

TOTAL CUT: 2000 CY



20 10 0 20 40
SCALE FEET

PROPOSED PROJECT:

Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1

REFERENCE: NWS-2019-876

LOCATION ADDRESS:

Sunlight Beach Road

NEAR: Clinton

COUNTY: Island

STATE: Washington

LAT/LONG:

47°59'16.0"N 122°28'29.0"W

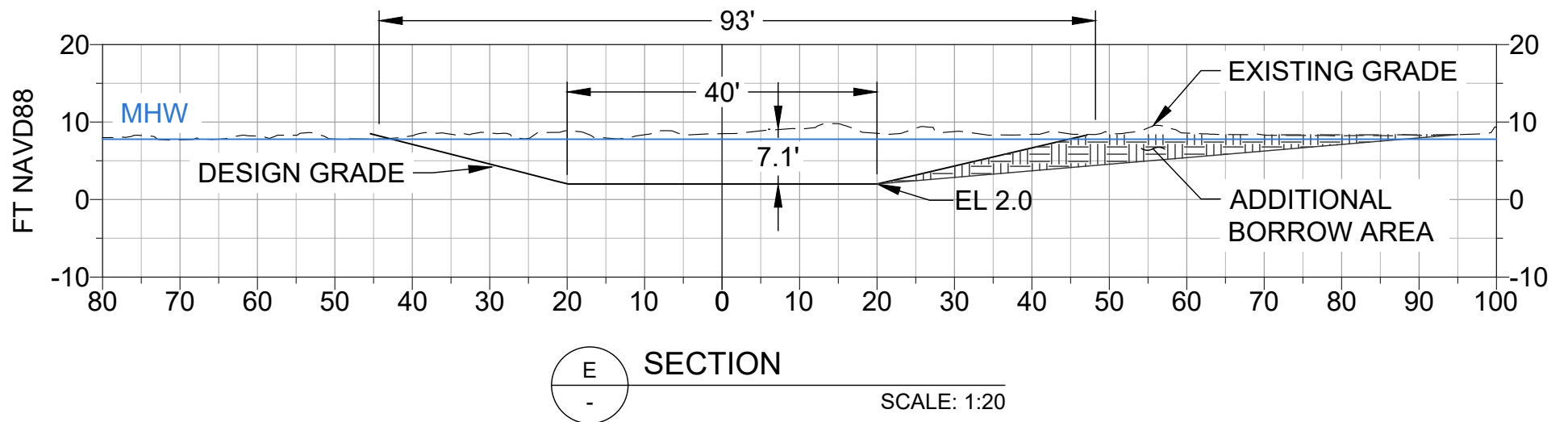
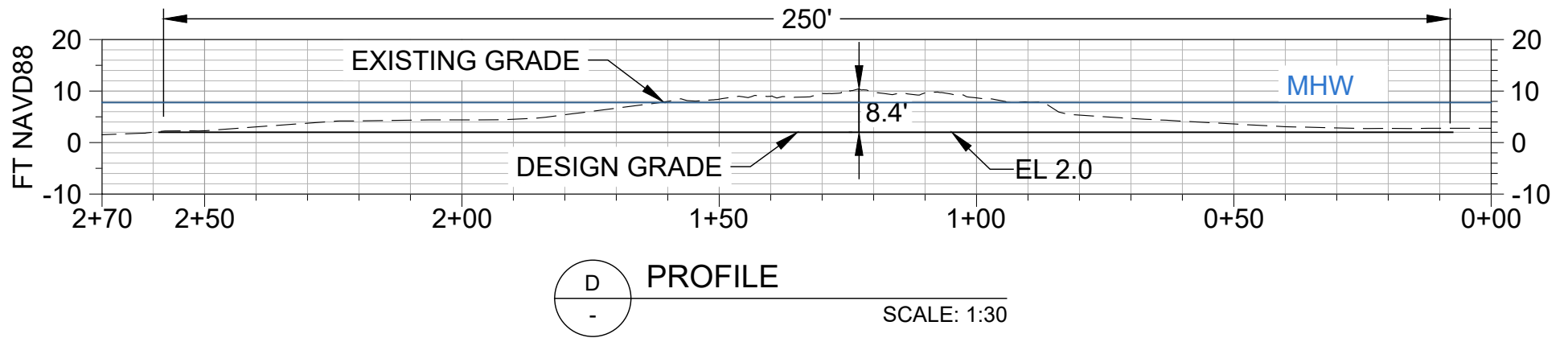
BREACH DETAIL PLAN VIEW

DATUM: Vertical: North American Vertical Datum 1988

Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 7 of 12

DATE: June, 2020



PROPOSED PROJECT:

Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1

REFERENCE: NWS-2019-876

LOCATION ADDRESS:

Sunlight Beach Road

NEAR: Clinton

COUNTY: Island

STATE: Washington

LAT/LONG:

47°59'16.0"N 122°28'29.0"W

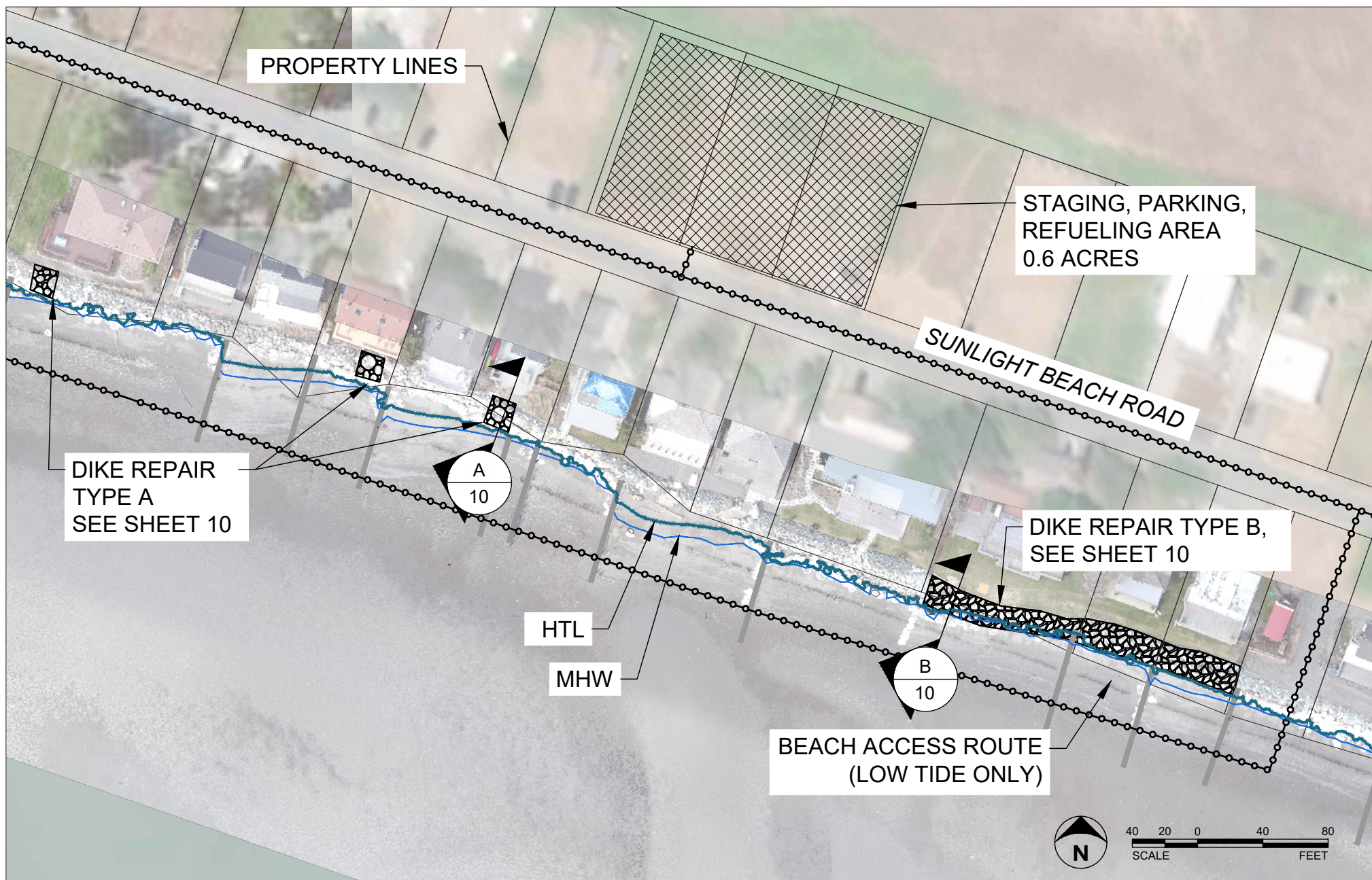
BREACH SECTION AND PROFILE VIEW

DATUM: Vertical: North American Vertical Datum 1988

Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 8 of 12

DATE: June, 2020



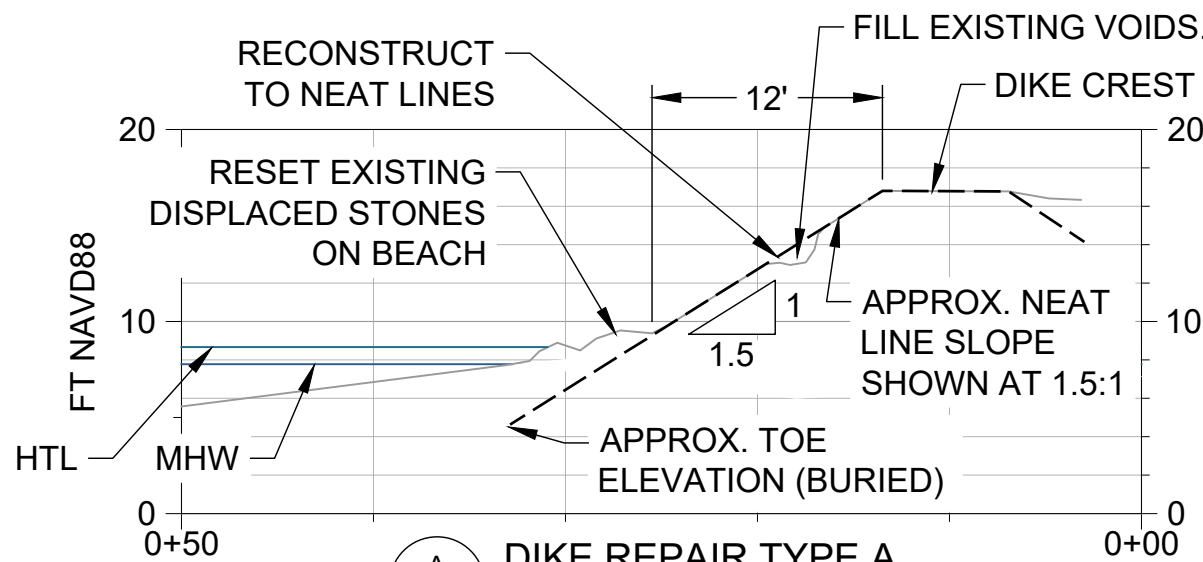
PROPOSED PROJECT:
Sunlight Beach Coastal Erosion And Restoration Projects

APPLICANT: Island County Diking District #1
REFERENCE: NWS-2019-876

LOCATION ADDRESS:
Sunlight Beach Road
NEAR: Clinton
COUNTY: Island **STATE:** Washington
LAT/LONG:
47°59'16.0"N 122°28'29.0"W

DIKE REPAIR PLAN VIEW

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983
SHEET: 9 of 12
DATE: June, 2020



DIKE REPAIR TYPE A
TYPICAL SECTION SCALE: 1:10

TYPE A REPAIRS:

TOTAL REPAIR LENGTH:

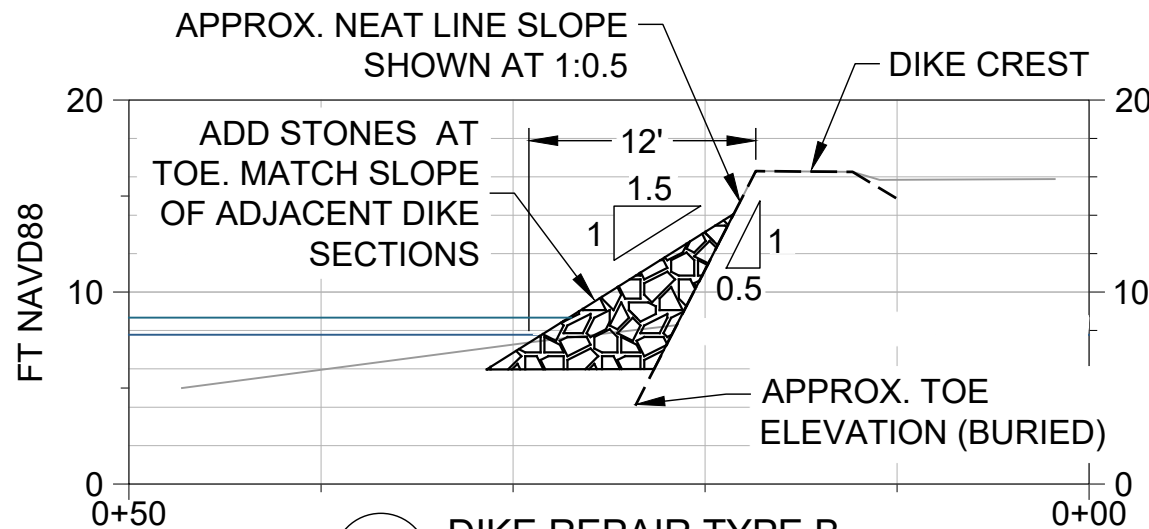
120 LF

VOLUME OF STONES NEEDED:

120 CY

VOLUME OF REUSED STONES USED:

120 CY



DIKE REPAIR TYPE B
TYPICAL SECTION SCALE: 1:10

TYPE B REPAIRS:

TOTAL REPAIR LENGTH:

200 LF

VOLUME OF STONES NEEDED:

260 CY

VOLUME OF REUSED STONES USED:

100 CY

VOLUME OF EXCAVATION:

100 CY

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LOCATION ADDRESS:

Sunlight Beach Road

NEAR: Clinton

COUNTY: Island

STATE: Washington

LAT/LONG:

47°59'16.0"N 122°28'29.0"W

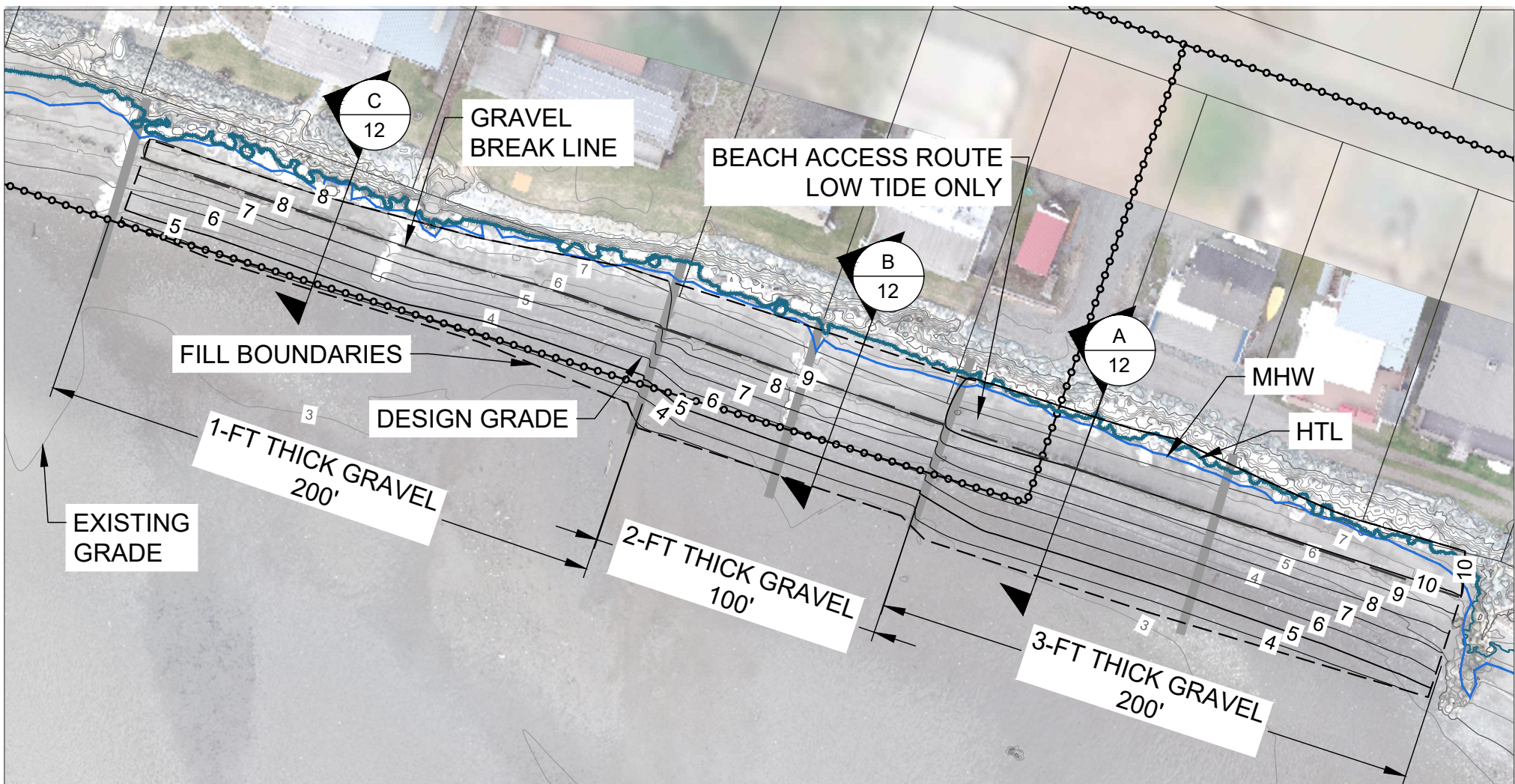
DIKE REPAIR SECTION VIEW

DATUM: Vertical: North American Vertical Datum 1988

Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 10 of 12

DATE: June, 2020



FILL BELOW HTL: 2100 CY
FILL ABOVE HTL: 50 CY

EXCAVATION BELOW HTL: 260 CY
EXCAVATION ABOVE HTL: 0 CY

TOTAL FILL: 2150 CY

TOTAL EXCAVATION : 260 CY



25 12.5 0 25 50
SCALE FEET

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LOCATION ADDRESS:

Sunlight Beach Road

NEAR: Clinton

COUNTY: Island

STATE: Washington

LAT/LONG:

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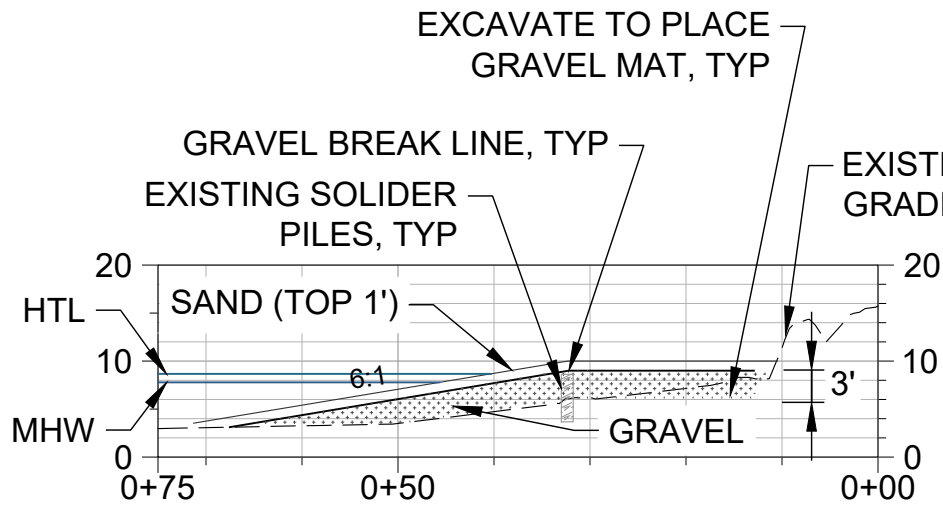
GRAVEL LAG FILL PLAN VIEW

DATUM: Vertical: North American Vertical Datum 1988

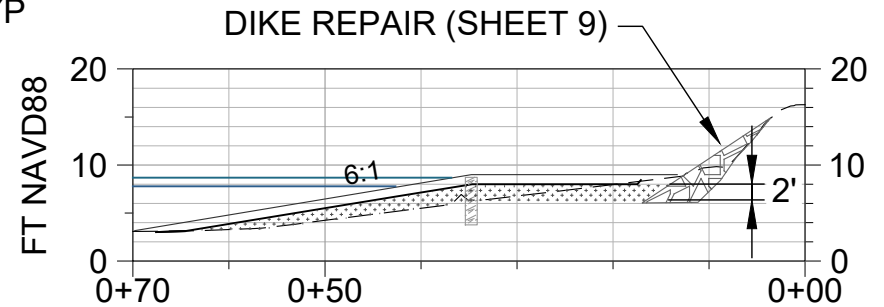
Horizontal: Washington State Plane North,
North American Datum 1983

SHEET: 11 of 12

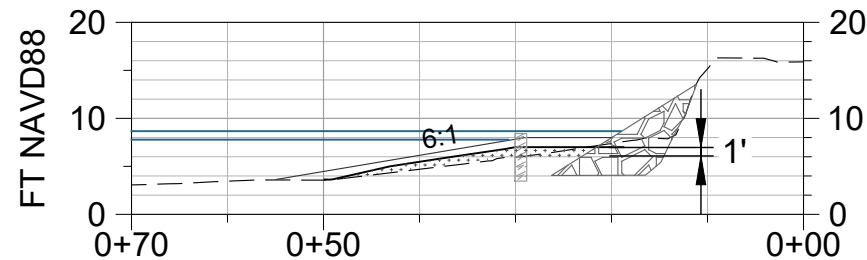
DATE: June, 2020



A 3-FOOT THICK SECTION
- TYPICAL SECTION SCALE: 1:20



B 2-FOOT THICK SECTION
- TYPICAL SECTION SCALE: 1:20



C 1-FOOT THICK SECTION
- TYPICAL SECTION SCALE: 1:20

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COUNTY: Island **STATE:** Washington
LAT/LONG:
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GRAVEL LAG FILL SECTIONS

DATUM: Vertical: North American Vertical Datum 1988
Horizontal: Washington State Plane North,
North American Datum 1983
SHEET: 12 of 12
DATE: June, 2020