



US Army Corps
of Engineers
Seattle District



WASHINGTON STATE
DEPARTMENT OF
ECOLOGY

Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone: (206) 348-3999
ATTN: Ms. Danette L. Guy,
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: February 23, 2021
Expiration Date: March 25, 2021

Reference No.: NWS-2020-721
**Name: City of Castle Rock Public
Works**

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 August 4, 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: City of Castle Rock Public Works
Attention: Mr. Dave Vorse
Post Office Box 370
Castle Rock, Washington 98611
Telephone: (360) 274-7478

AGENT: Ecological Land Services, Inc.
Attention: Ms. Kate'Lyn (KT) Wills
1157 3rd Avenue, Suite 220A
Longview, Washington 98632
Telephone: (360) 578-1371

LOCATION: In the Cowlitz River, at the Al Helenberg Memorial Boat Launch, at Castle Rock, Cowlitz County, Washington.

WORK: Place fill to construct two (2) 30-foot long cast-in-place concrete panels supported by H-beam piling, discharge riprap, construct two access roads, and continued maintenance dredging.

ADDITIONAL INFORMATION: This project proposes to construct two concrete panels within the Cowlitz River designed to reduce the high streamflow at the boat launch and ensure the safety of its users. A 275-linear foot interlocking steel sheet pile cofferdam would be constructed to isolate the work area. The proposed concrete wall would consist of two, 30-foot long by 5-foot-thick concrete panels supported by 34, 12-inch steel H-beam piles. The wall is proposed approximately 300 feet upstream of the launch, which would necessitate the construction of an access road to the work area (north maintenance access road) and placement of up to 143 cubic yards (cy) of riprap along 125 linear feet of riverbank. A 1,200 square foot area of old riprap and underlying soil located below

NWS-2020-721, City of Castle Rock Public Works (Al Helenberg Boat Launch Safety Improvements)

the ordinary high water mark (OHWM) would be excavated for the placement of 44 cy of riprap. Located landward of the OHWM, the proposed north access road would consist of gravel and be 12-feet wide by 275-feet long. The north access maintenance road would function to provide access to the work area but would ultimately be used as a maintenance access to the riprap revetment to assess potential failures of the erosion control measures and make necessary repairs.

A second gravel road (south maintenance access road) is proposed on the opposite side of the boat launch for the future maintenance access to repair the boat launch banks. The south access road would be 12-feet wide by 215-feet long would also be located above the OHWM.

Construction of the proposed facility improvements would require the removal of 24 black cottonwood (*Populus balsamifera*) trees to facilitate construction of the north and south access roads and allow for direct access to the in-river work area.

The project proposes to continue maintenance dredging within the 0.02 of an acre area with up to 200 cy per year for a total of 200,000 cy dredged over a 10-year period. Material would be disposed in adjacent uplands.

PURPOSE: To improve safety and vessel access

DREDGED MATERIAL MANAGEMENT PROGRAM (DMMP): The proposed dredged material has been tested according to the procedures specified by DMMP, a multi-agency program for the evaluation of dredged material. The DMMP evaluations may include both chemical and biological testing of sediments. For this project, the DMMP agencies determined that the material is of low concern for contamination. The sediment testing data are available at the U.S. Army Corps of Engineers (Corps), Seattle District, Dredged Material Management Office.

The location of the ordinary high water mark shown on the project drawings have 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: The applicant has indicated impacts to the aquatic resources have been minimized to the maximum extent practicable. To reduce impacts to fish and other aquatic organisms, in-water work would occur between August 1 and August 15.

To compensate for unavoidable direct, indirect, riparian, and temporal loss of aquatic resource function and service, the applicant proposes to purchase 0.14 universal mitigation credits and 0.41 Discounted Service Acre Years at The Coweeman River Joint Wetland and Conservation Bank.

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. A preliminary determination indicates that the activity will affect endangered or threatened species, or their critical habitat. Consultation under Section 7 of the ESA is required.

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 U.S. Army Corps of Engineers (Corps) has determined that the proposed action will adversely affect designated EFH for federally managed fisheries in Washington waters. The Corps has initiated EFH consultation with the National Marine Fisheries Service.

NWS-2020-721, City of Castle Rock Public Works (Al Helenberg Boat Launch Safety Improvements)

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. A historic properties investigation has been conducted within the permit area. No historic properties determined eligible for or listed on the National Register of Historic Places were found to exist within the permit area. 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 would be obtained from approved commercial 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 deny certification for the proposed project.

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

NWS-2020-721, City of Castle Rock Public Works (Al Helenberg Boat Launch Safety Improvements)

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 danette.l.guy@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Ms. Danette L. Guy, 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: NWS-2020-721: City of Castle Rock Public Works

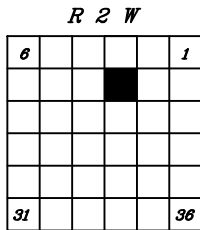
Encl: Figures (8)

WASHINGTON

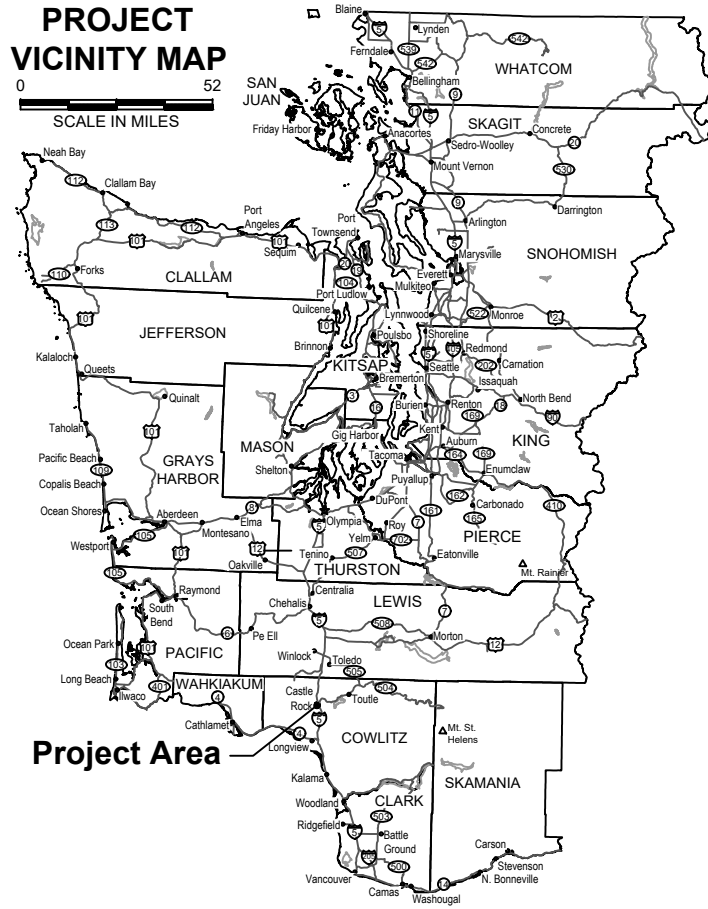


Latitude: 46.2781°
Longitude: -122.9125°

LOCATION MAP



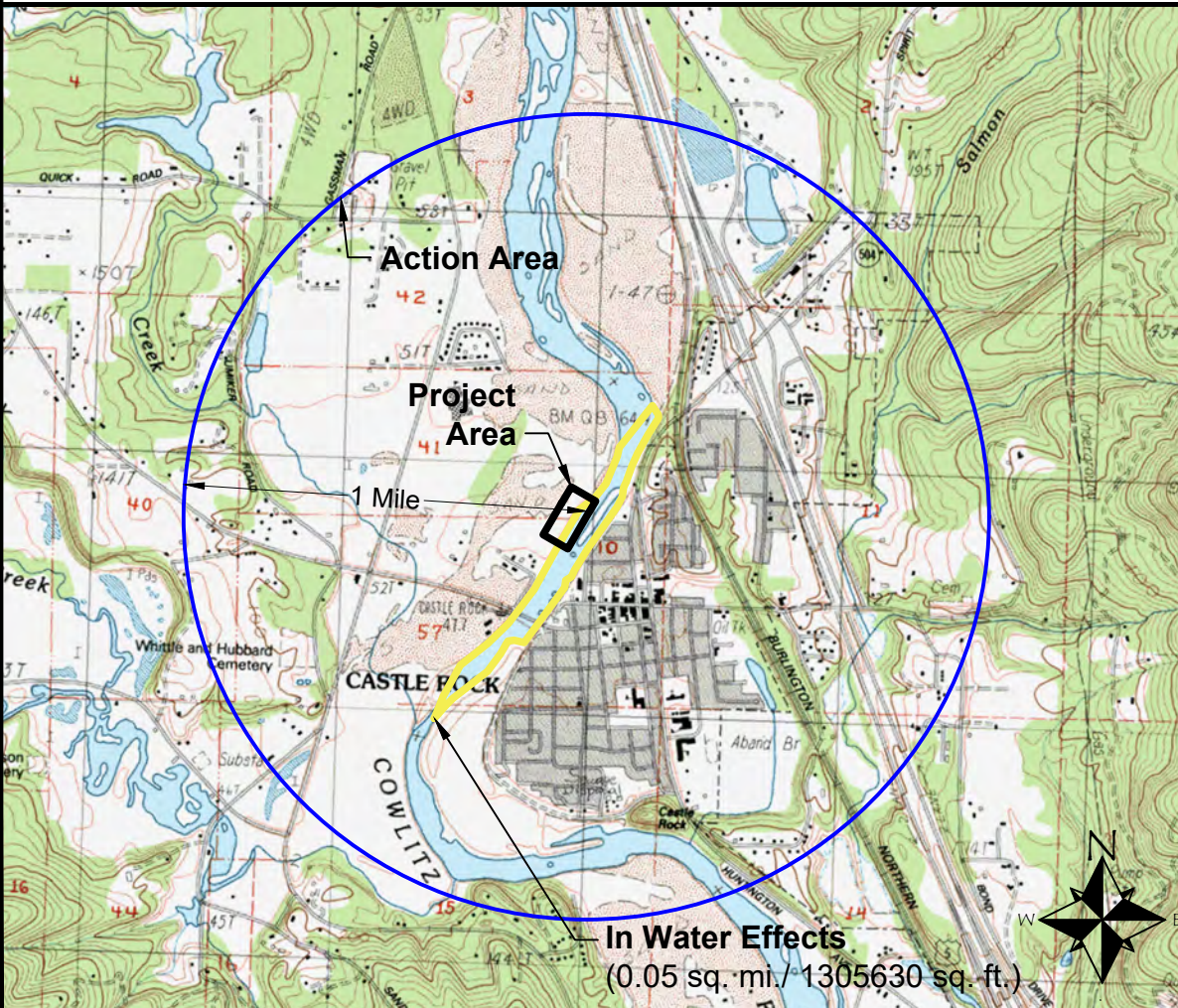
PROJECT VICINITY MAP



Project Area

NOTE:

Quadrangle topographic map from USGS.

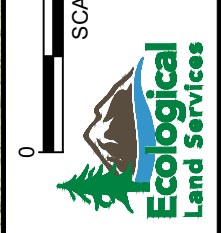


PROPOSED: Construction of structure to reduce streamflow velocities in Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz
STATE: WA
SHEET 1 OF 8
DATE: 8/4/20

VICINITY MAP
APPLICANT: City of Castle Rock
PROJECT NAME: C.R. Boat Launch Safety Improvements
REFERENCE #: NWS-2020-721
SITE LOCATION ADDRESS: R.M. 17.6 Access at 5040 Westside Highway
 Castle Rock, WA 98611

PURPOSE: Safety and access improvements at boat launch
DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

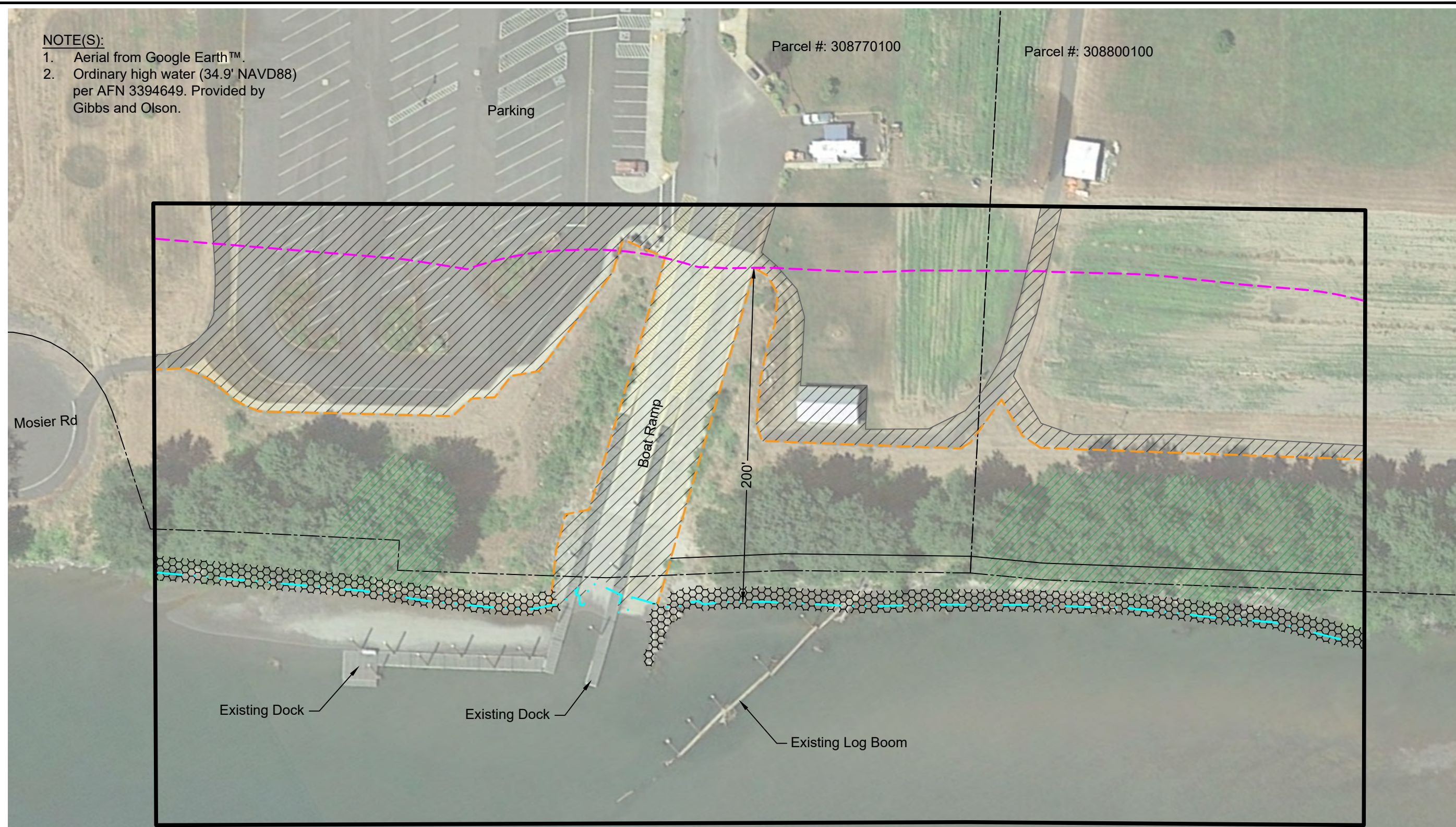
1157 3rd Ave., Suite 220A
 Longview, WA 98632
 Phone: (360) 578-1371



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NOTE(S):

1. Aerial from Google Earth™.
2. Ordinary high water (34.9' NAVD88) per AFN 3394649. Provided by Gibbs and Olson.



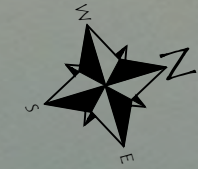
LEGEND:

- Project Area
- Parcel Boundaries
- Stream with Flow Direction
- OHWM

LEGEND:

- Shoreline Jurisdiction (200')
- Functionally Isolated Shoreline Buffer (250')
- Existing Impervious Surface
- Existing Rip Rap

Cowlitz River (Type S, Shoreline of Statewide Significance)



1157 3rd Ave., Suite 220A
 Longview, WA 98632
 Phone: (360) 578-1371



PURPOSE: Safety and access improvements at boat launch

DATUM: NAD83

ADJACENT PROPERTY OWNERS: See JARPA

EXISTING CONDITIONS

APPLICANT: City of Castle Rock
PROJECT NAME: C.R. Boat Launch Safety Improvements
REFERENCE #: NWS-2020-721
SITE LOCATION ADDRESS:
 R.M. 17.6 Access at 5040 Westside Highway
 Castle Rock, WA 98611

PROPOSED: Construction of structure to reduce streamflow velocities

IN: Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz
STATE: WA
SHEET 2 OF 8
DATE: 8/4/20

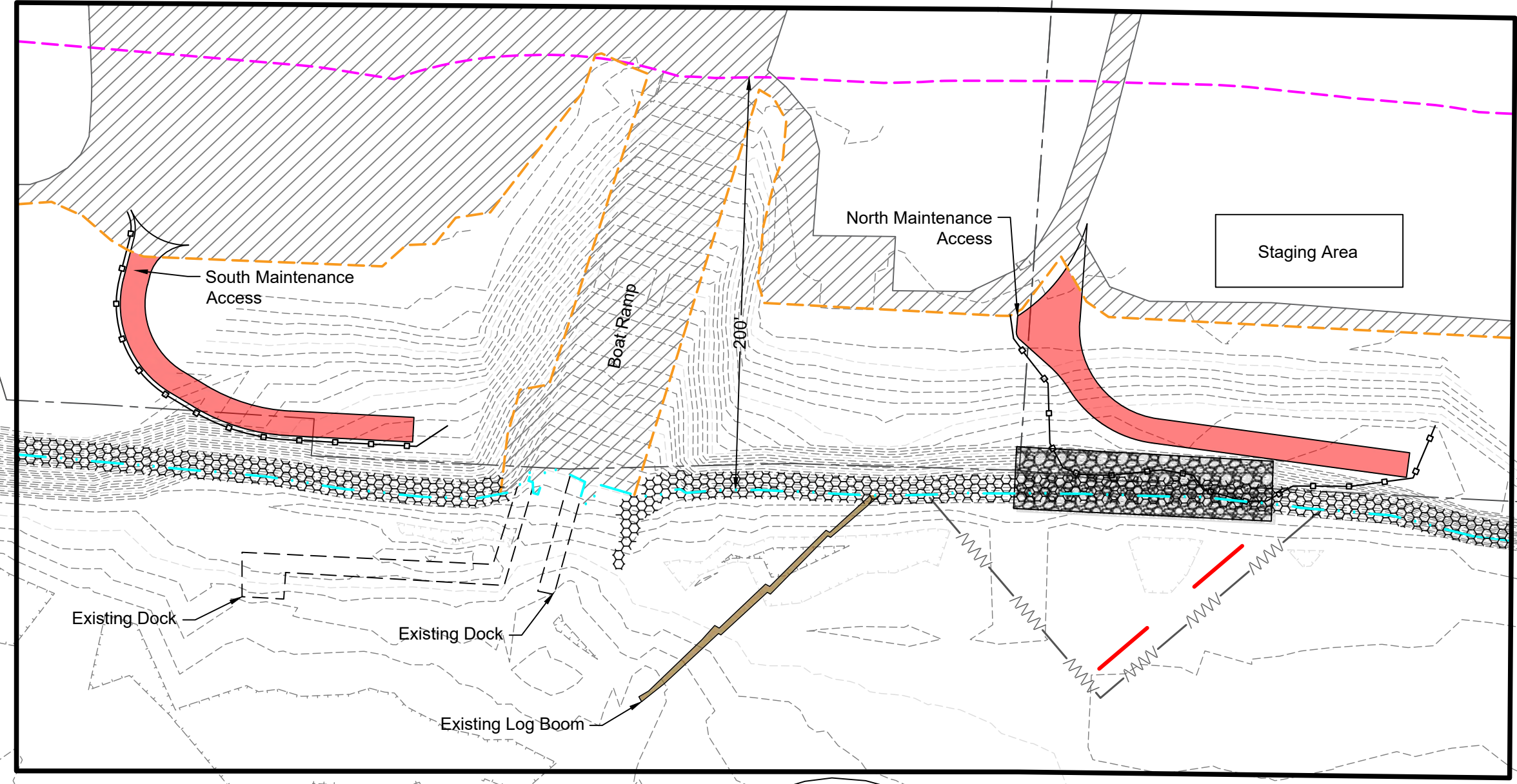
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LEGEND:

- Project Area
- Parcel Boundaries
- Shoreline Jurisdiction (200')
- Functionally Isolated Shoreline Buffer (250')
- OHWM
- Existing Impervious Surface
- Existing Rip Rap

LEGEND:

- Silt Fence
- Gravel Maintenance Access Impacts
North - (0.07 ac./ 3,188 sq. ft.)
South - (0.05 ac./ 2,271 sq. ft.)
- Riprap to be Replaced
Landward of OHWM - (0.06 ac./ 2,400 sq. ft.)
Waterward of OHWM - (0.03 ac./ 1,200 sq. ft.)
- Cofferdam
- Wall Sections (30' x 1'6" x 45')(0.001 ac./ 45 sq. ft. Each)

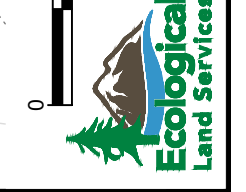


PROPOSED: Construction of structure to reduce streamflow velocities IN Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz **STATE:** WA
SHEET 3 OF 8
DATE: 8/4/20

PROPOSED CONDITIONS
APPLICANT: City of Castle Rock
PROJECT NAME: C.R. Boat Launch Safety Improvements
REFERENCE #: NWS-2020-721
SITE LOCATION ADDRESS:
 R.M. 17.6 Access at 5040 Westside Highway
 Castle Rock, WA 98611

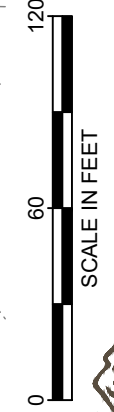
PURPOSE: Safety and access improvements at boat launch
DATUM: NAD83
ADJACENT PROPERTY OWNERS:
 See JARPA

1157 3rd Ave., Suite 220A
 Longview, WA 98632
 Phone: (360) 578-1371



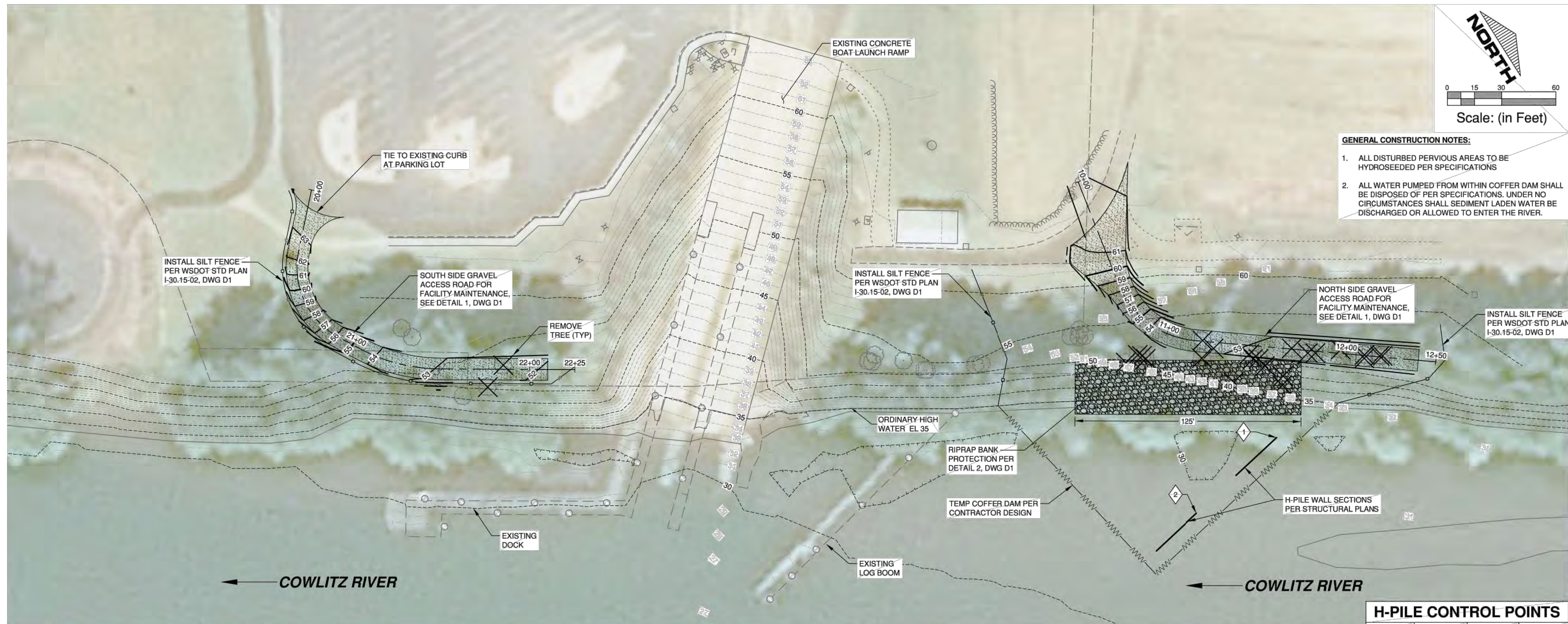
NOTE(S):

1. Site plan, topography, and bathymetry from Gibbs and Olson.
2. Ordinary high water (34.9' NAVD88) per AFN 3394649. Provided by Gibbs and Olson.



Cowlitz River (Type S, Shoreline of Statewide Significance)

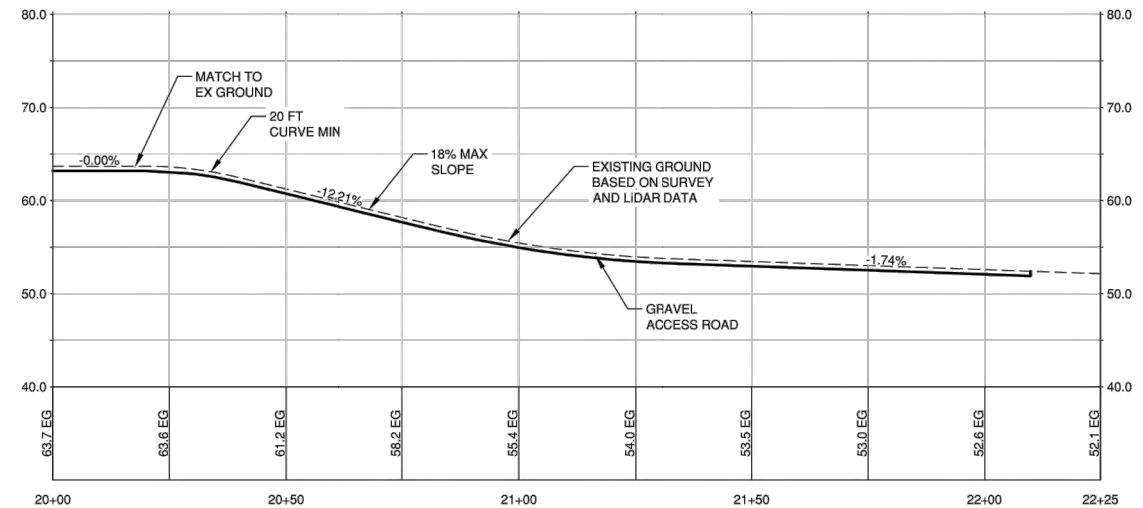
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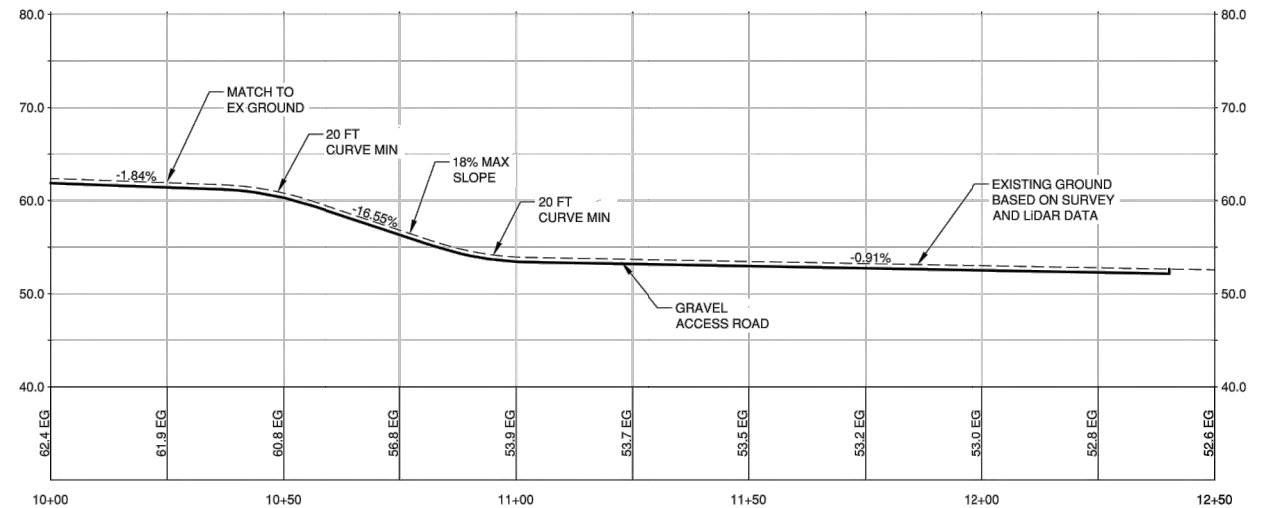
- GENERAL CONSTRUCTION NOTES:**
1. ALL DISTURBED PERVIOUS AREAS TO BE HYDROSEED PER SPECIFICATIONS
 2. ALL WATER PUMPED FROM WITHIN COFFER DAM SHALL BE DISPOSED OF PER SPECIFICATIONS. UNDER NO CIRCUMSTANCES SHALL SEDIMENT LADEN WATER BE DISCHARGED OR ALLOWED TO ENTER THE RIVER.

H-PILE CONTROL POINTS

POINT NO	NORTHING	EASTING	ANGLE
1	354134.53	1030918.92	S11°4'13"E
2	354074.89	1030930.98	S11°4'13"E



SOUTH ACCESS ROAD



NORTH ACCESS ROAD

RIGHT-OF-WAY DISCLAIMER

THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE

PROPOSED: Construction of structure to reduce streamflow velocities
IN Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz **STATE:** WA
SHEET 4 OF 8
DATE: 8/4/20

BOAT LAUNCH PLAN VIEW
APPLICANT: City of Castle Rock
PROJECT NAME: C.R. Boat Launch Safety Improvements
REFERENCE #: NWS-2020-721
SITE LOCATION ADDRESS:
 R.M. 17.6 Access at 5040 Westside Highway
 Castle Rock, WA 98611

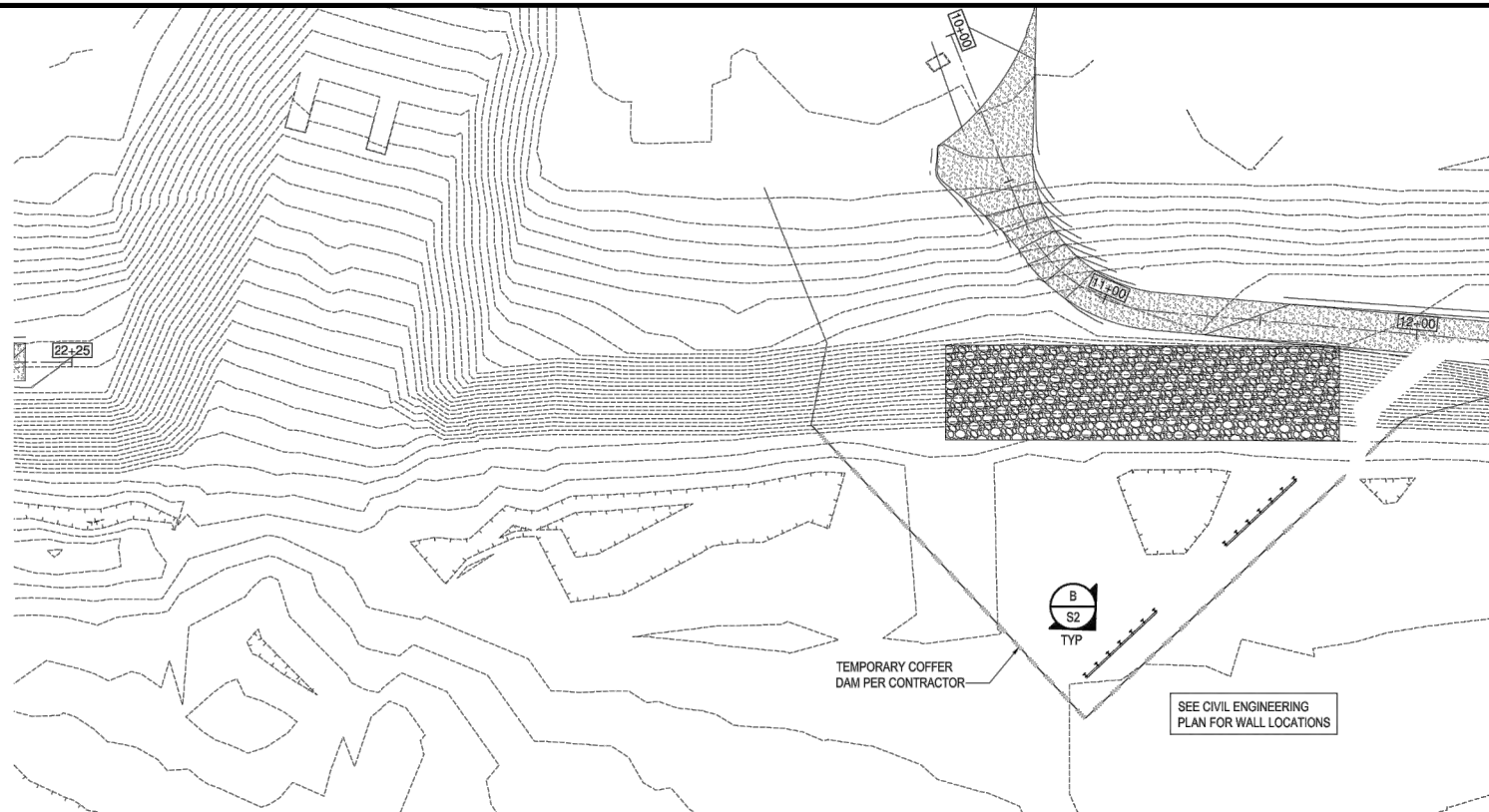
PURPOSE: Safety and access improvements at boat launch
DATUM: NAD83
ADJACENT PROPERTY OWNERS:
 See JARPA

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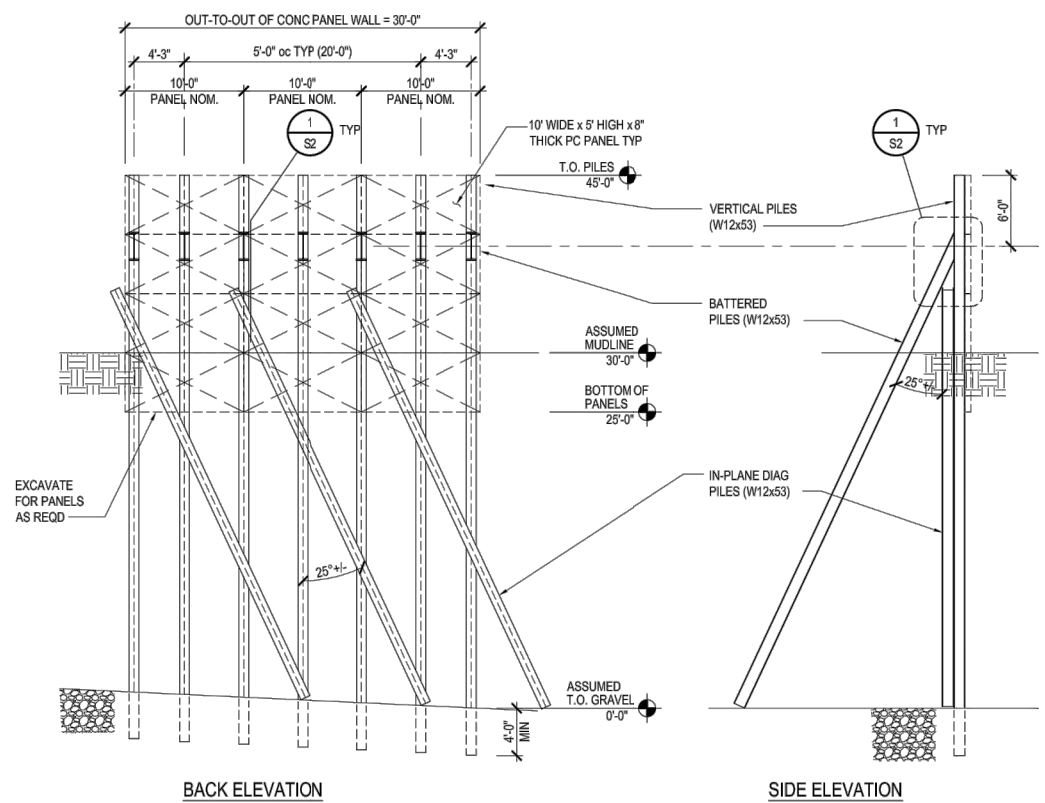
1157 3rd Ave., Suite 220A
 Longview, WA 98632
 Phone: (360) 578-1371



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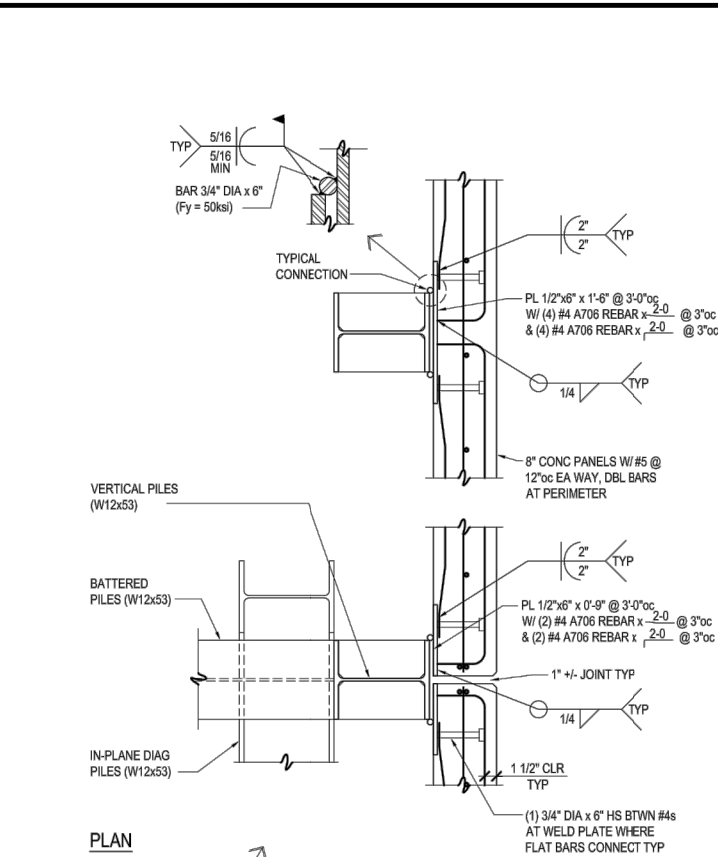


A
S2
PARTIAL PLAN
1" = 30'-0"

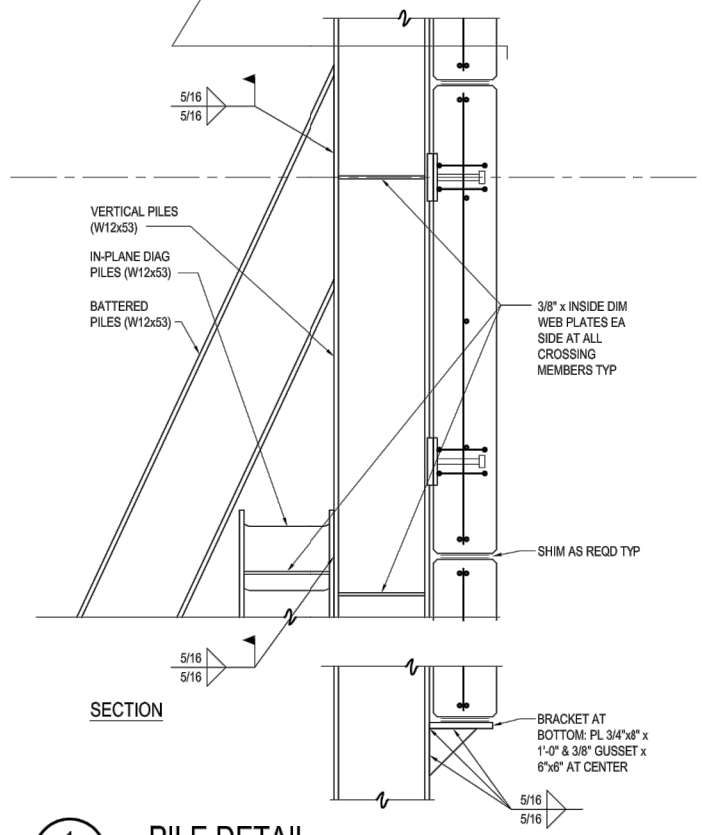


B
S2
WALL ELEVATION
1/8" = 1'-0"

- NOTE(S):**
- BATTER & IN-LINE DIAGONAL PILES TO BE VIBRATORY DRIVEN TO REFUSAL AT GRAVEL LAYER. GRAVEL LAYER ASSUMED TO BE APPROXIMATELY 30 FEET BELOW MUD LINE. IF SHALLOWER GRAVEL LAYER PREVENTS PILE FROM BEING VIBRATORY DRIVEN TO REQUIRED DEPTH, CONTACT ENGINEER TO VERIFY IF ACCEPTABLE OR IF HAMMER DRIVING WILL BE REQUIRED.
 - SOLDIER PILES TO BE VIBRATORY DRIVEN TO REFUSAL AT THE ASSUMED GRAVEL LAYER APPROXIMATELY 30 FEET BELOW THE MUD LINE AND THEN HAMMER DRIVEN AN ADDITIONAL 4 FEET MINIMUM. USE DRIVING SHOE AT END OF THE PILES.
 - SEE GEOTECHNICAL REPORT FOR INFORMATION CONCERNING SOILS AT INSTALLATION SITE.



1
S2
PILE DETAIL
1" = 1'-0"



1
S2
SECTION
1" = 1'-0"

RIGHT-OF-WAY DISCLAIMER
THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE

SCALE IN FEET
0 10 20 30 40 50 60 70 80 90 100

1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

PURPOSE: Safety and access improvements at boat launch

DATUM: NAD83

ADJACENT PROPERTY OWNERS: See JARPA

CONCRETE PILE WALLS DETAIL

APPLICANT: City of Castle Rock

PROJECT NAME: C.R. Boat Launch Safety Improvements

REFERENCE #: NWS-2020-721

SITE LOCATION ADDRESS: R.M. 17.6 Access at 5040 Westside Highway Castle Rock, WA 98611

PROPOSED: Construction of structure to reduce streamflow velocities IN CowIitz River

NEAR: Castle Rock

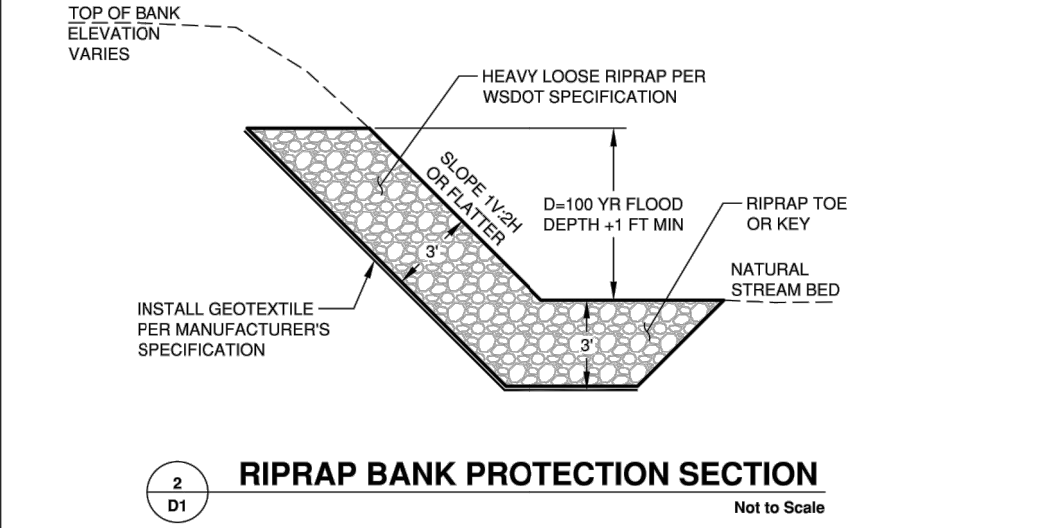
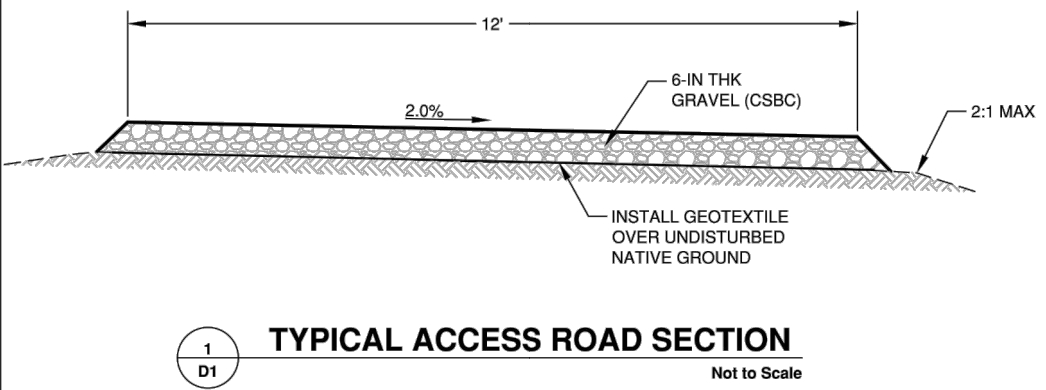
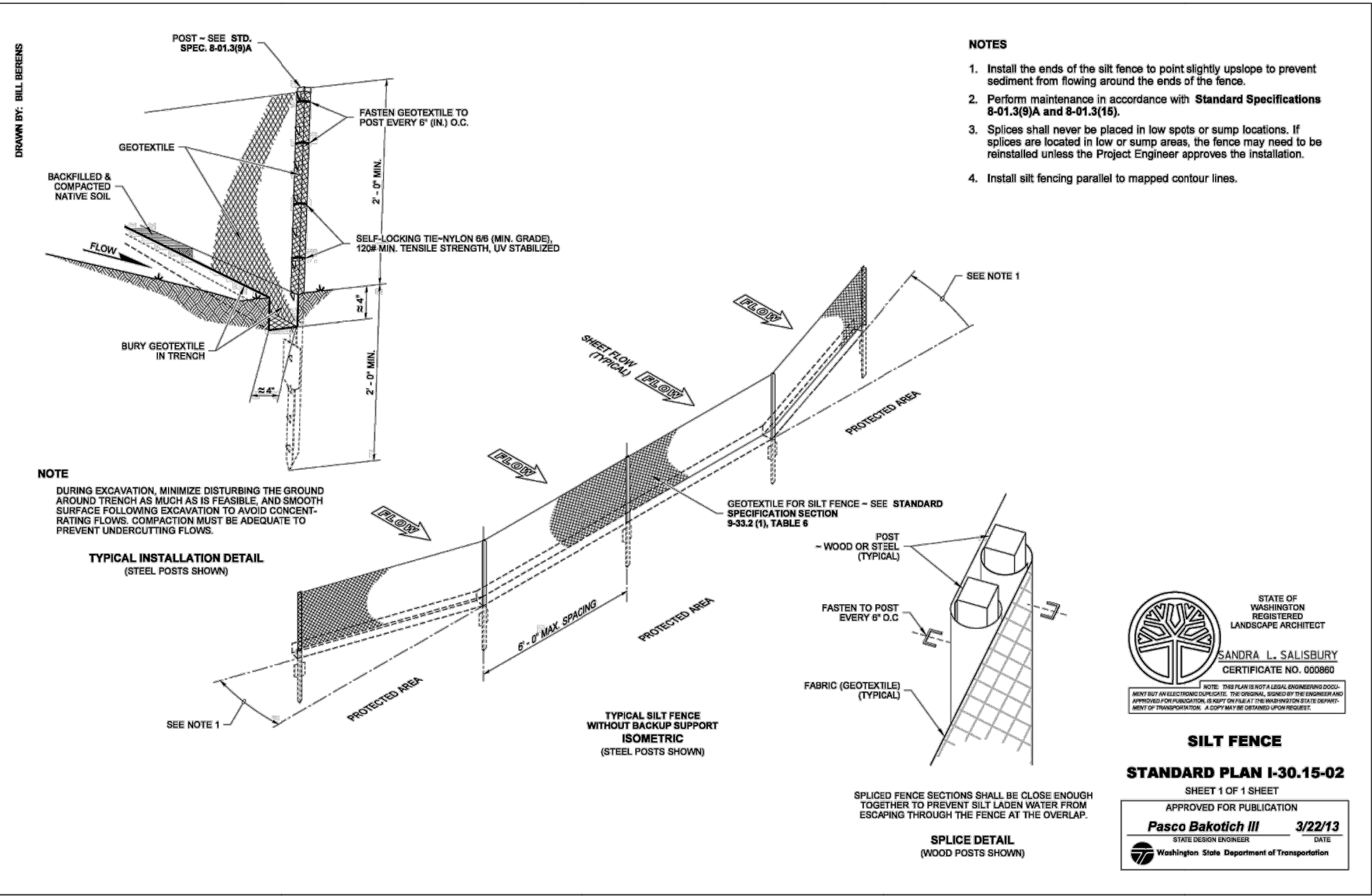
COUNTY: CowIitz

STATE: WA

SHEET 5 OF 8

DATE: 8/4/20

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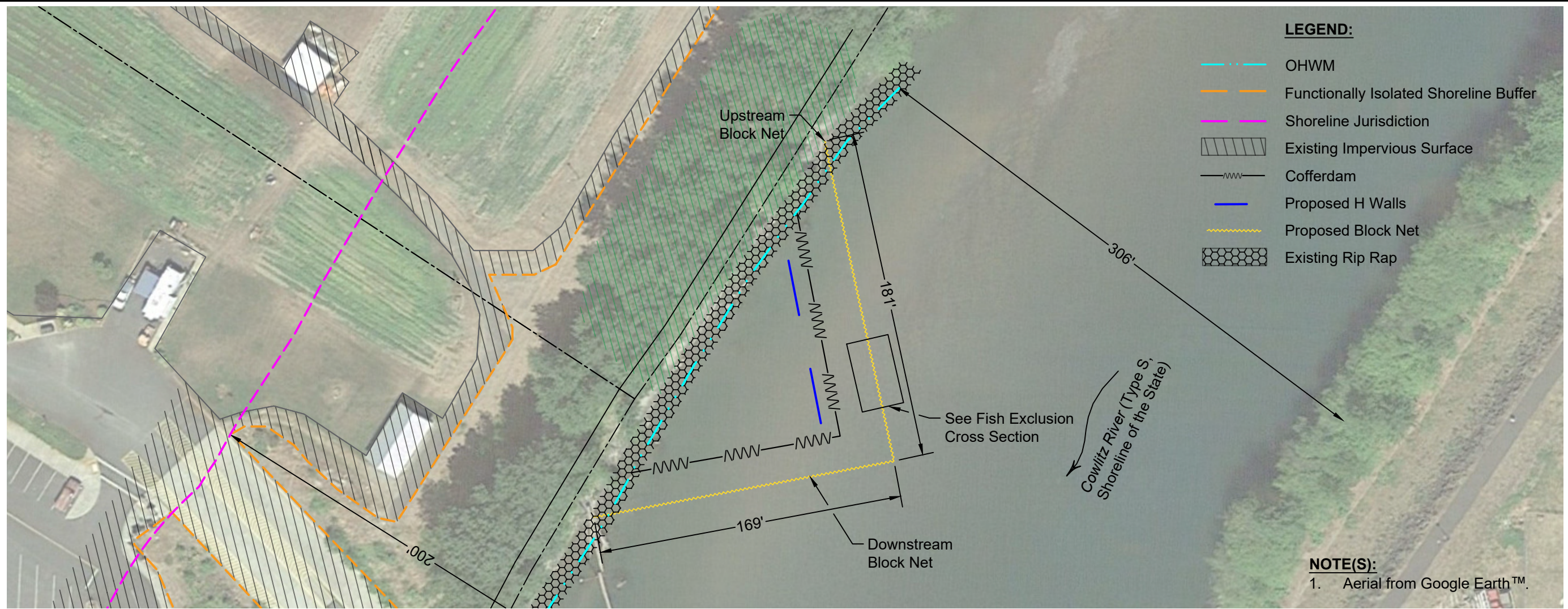
PROPOSED: Construction of structure to reduce streamflow velocities IN Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz
SHEET 6 OF 8
DATE: 8/4/20

CONSTRUCTION BMPs AND CROSS SECTIONS
APPLICANT: City of Castle Rock
PROJECT NAME: C.R. Boat Launch Safety Improvements
REFERENCE #: NWS-2020-721
SITE LOCATION ADDRESS:
 R.M. 17.6 Access at 5040 Westside Highway
 Castle Rock, WA 98611

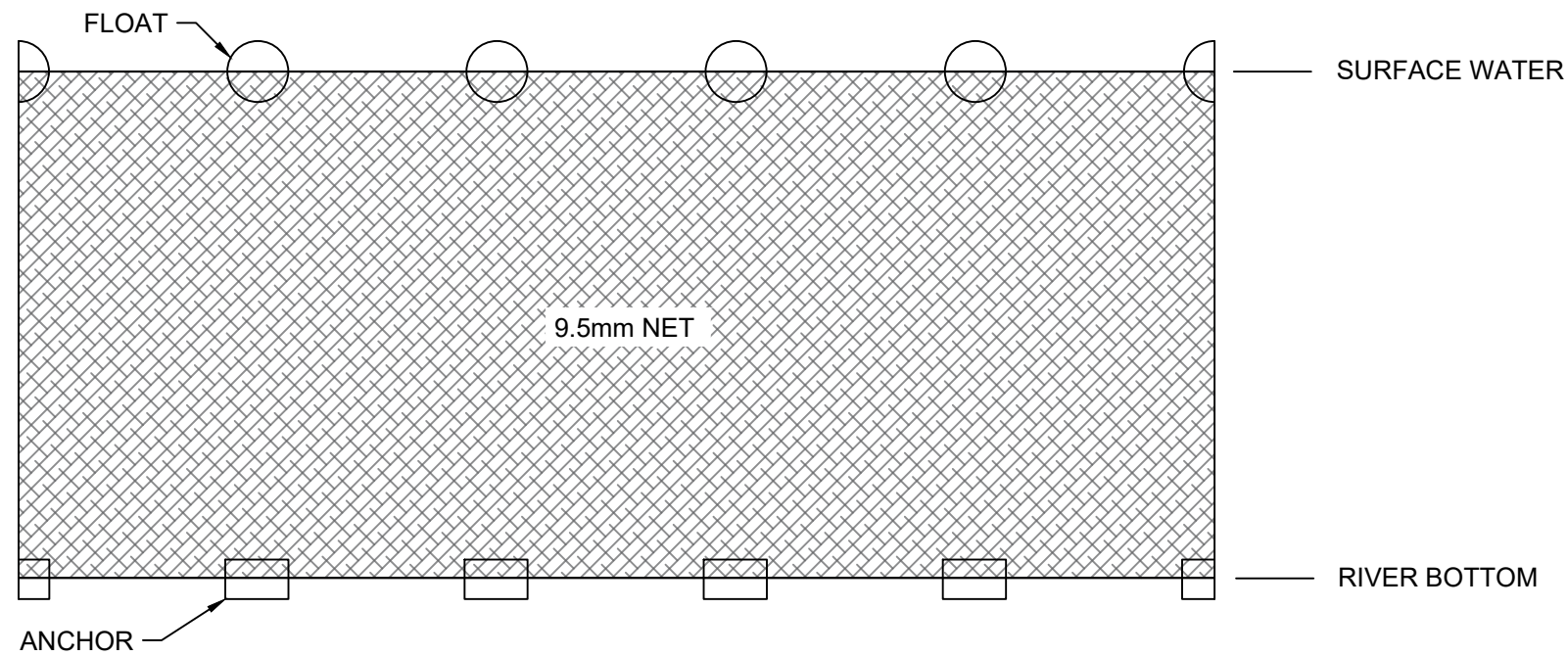
PURPOSE: Safety and access improvements at boat launch
DATUM: NAD83
ADJACENT PROPERTY OWNERS:
 See JARPA

NOT TO SCALE
 1157 3rd Ave., Suite 220A
 Longview, WA 98632
 Phone: (360) 578-1371





Fish Exclusion Block Net Cross Section



1157 3rd Ave., Suite 220A
 Longview, WA 98632
 Phone: (360) 578-1371

PURPOSE: Safety and access improvements at boat launch
DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

FISH EXCLUSION PLAN
APPLICANT: City of Castle Rock
PROJECT NAME: C.R. Boat Launch Safety Improvements
REFERENCE #: NWS-2020-721
SITE LOCATION ADDRESS: R.M. 17.6 Access at 5040 Westside Highway
 Castle Rock, WA 98611

PROPOSED: Construction of structure to reduce streamflow velocities
IN: Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz
STATE: WA
SHEET 7 OF 8
DATE: 8/4/20

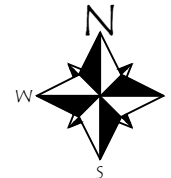


LEGEND:

- - - OHWM
- Maintenance Dredging Area (0.02 ac./ 990 sq. ft.)

NOTE(S):

1. Site plan, topography, and bathymetry from Gibbs and Olson.
2. Ordinary high water (34.9' NAVD88) per AFN 3394649. Provided by Gibbs and Olson.



<p>PURPOSE: Safety and access improvements at boat launch</p> <p>DATUM: NAD83</p> <p>ADJACENT PROPERTY OWNERS: See JARPA</p>	<p>MAINTENANCE DREDGING</p> <p>APPLICANT: City of Castle Rock</p> <p>PROJECT NAME: C.R. Boat Launch Safety Improvements</p> <p>REFERENCE #: NWS-2020-721</p> <p>SITE LOCATION ADDRESS: R.M. 17.6 Access at 5040 Westside Highway Castle Rock, WA 98611</p>	<p>PROPOSED: Construction of structure to reduce streamflow velocities IN Cowlitz River</p> <p>NEAR: Castle Rock</p> <p>COUNTY: Cowlitz STATE: WA</p> <p>SHEET 8 OF 8</p> <p>DATE: 8/4/20</p>
<p>1157 3rd Ave., Suite 220A Longview, WA 98632 Phone: (360) 578-1371</p>	<p>0 20 40 SCALE IN FEET</p>	