



US Army Corps
of Engineers
Seattle District



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) 316-3048
ATTN: Danette L. Guy,
Project Manager

WA Department of Ecology

SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6068
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: October 18, 2016

Expiration Date: November 17, 2016

Reference No.: NWS-2012-880

**Name: Lexington Flood Control Zone
District of Cowlitz County**

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 November 4, 2015.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA). 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: Lexington Flood Control Zone District of Cowlitz County
Attention: Ms. Susan Eugenis
1600 13th Avenue South
Kelso, Washington 98626
Telephone: (360) 577-3030

AGENT: Gibbs & Olson, Inc.
Attention: Mr. Rich Gushman
P.O. Box 400
Longview, Washington 98632
Telephone: (360) 425-0991

LOCATION: In McCorkle Creek, near Kelso, Cowlitz County, Washington

WORK: Increase crest height of existing South Fork McCorkle Creek Detention Structure by 15 feet through placement of up to 125,000 cubic yards of material. A new spillway and up to 60-inch outlet pipe with the affiliated intake and outfall facilities would also be constructed. The project would permanently impact 0.0703 of an acre of wetlands and temporarily impact 0.16 of an acre of wetlands. Up to 120 feet of South Fork McCorkle Creek will be permanently filled as a result of the new spillway. Permanent impacts to the creeks buffer would be 0.17 of an acre and an additional 0.22 of an acre will be temporarily impacted.

The work would be conducted in two phases.

Phase 1 – Initial fill placed would allow for differential settlement and compaction of subsurface soils on the east side of the existing detention structure and expanded footprint. Areas designated for Phase 1 filling would be stripped of existing vegetation, proof-rolled with compaction equipment, filled with import embankment material, and compacted. During site preparation, topsoil and fine-grained silty/clayey soils would be temporarily stockpiled

NWS-2012-880, Lexington Flood Control Zone District

within an onsite upland area for future use as topsoil over the embankment slopes. The fill material, which would remain in place for the second phase, would need a minimum of 4 to 6 months to effectively compact the subsurface soils. Compacted embankment soils will be stabilized by seeding and applying mulch.

Phase 2 – Additional fill would be brought in to bring the remainder of the embankment to full height. The proposed detention structure embankment height would be raised by adding compacted fill material, a total of up to 125,000 cubic yards, to the downstream face of the existing detention structure and the structure's width would be expanded primarily to the north and east of the structure. Other work would include demolishing the spillway and outlet pipe, and constructing the new spillway, energy dissipater, outlet pipe, and associated structures.

PURPOSE (as define by applicant): To provide improved flood protection for the downstream population and infrastructure within unincorporated Lexington.

The wetland boundaries and location of the ordinary high water mark shown on the project drawings have not yet been verified by the Corps. If the Corps determines the boundaries of the wetland/waters are substantially inaccurate a new public notice may be published.

MITIGATION: The applicant is proposing to remove two cubic yards of material blocking the flow of the stream in its natural channel. After removal of the material the channel would be excavated and re-meandered. Sections of the riparian corridor would be enhanced with large woody material and native riparian trees and shrubs. The applicant is also proposing to purchase credits from the Columbia River Wetland Mitigation Bank. This project is located just north of the service area boundary and would require approval for use.

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 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 the activity could 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). 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. Historic properties are recorded near the proposed project. However, they do not occur in the permit area. The permit area has been so extensively disturbed by modern development that little likelihood exists for the proposed project to impinge upon an undisturbed historic property. 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.

NWS-2012-880, Lexington Flood Control Zone District

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 applicant has not yet identified the source of the fill material. Should a permit be issued, the Corps will evaluate the fill material source prior to the start of construction.

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 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.

Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

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: Danette L. Guy, 2108 Grand Boulevard, Vancouver, Washington 98665. 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.

NWS-2012-880, Lexington Flood Control Zone District

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, P.O. 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-2012-880; Lexington Flood Control Zone District

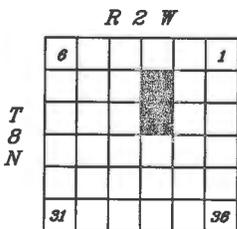
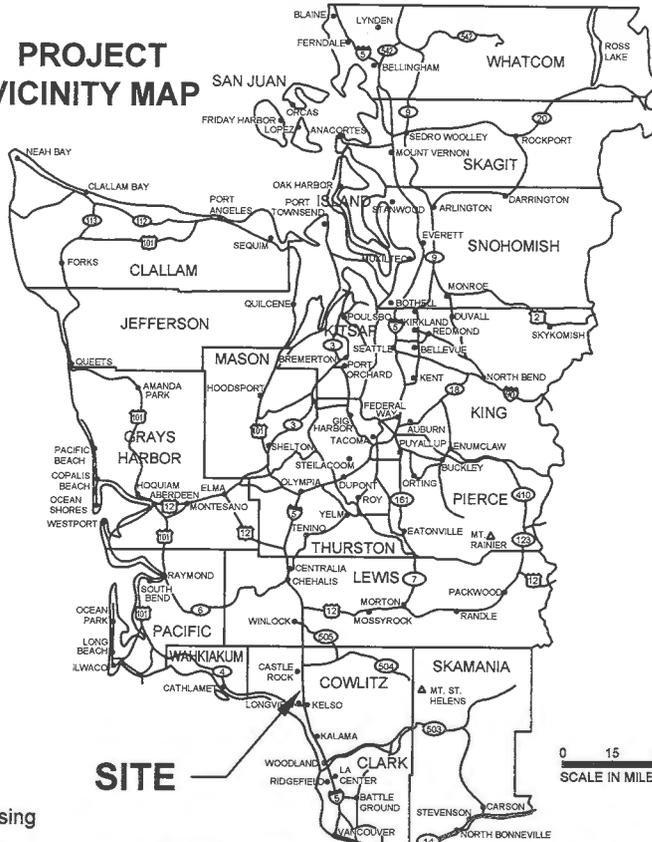
Encl: Figures (9)

WASHINGTON



46.184722 Latitude
-122.915833 Longitude
LOCATION MAP

PROJECT VICINITY MAP



NOTE:
USGS topographic quadrangle map reproduced using
MAPTECH Inc., Terrain Navigator Pro software.

PROPOSED:

Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands

NEAR: Lexington

COUNTY: Cowlitz

SHEET 1 OF 9

DATE: 11/4/15

VICINITY MAP

APPLICANT: Lexington Flood Control Zone District

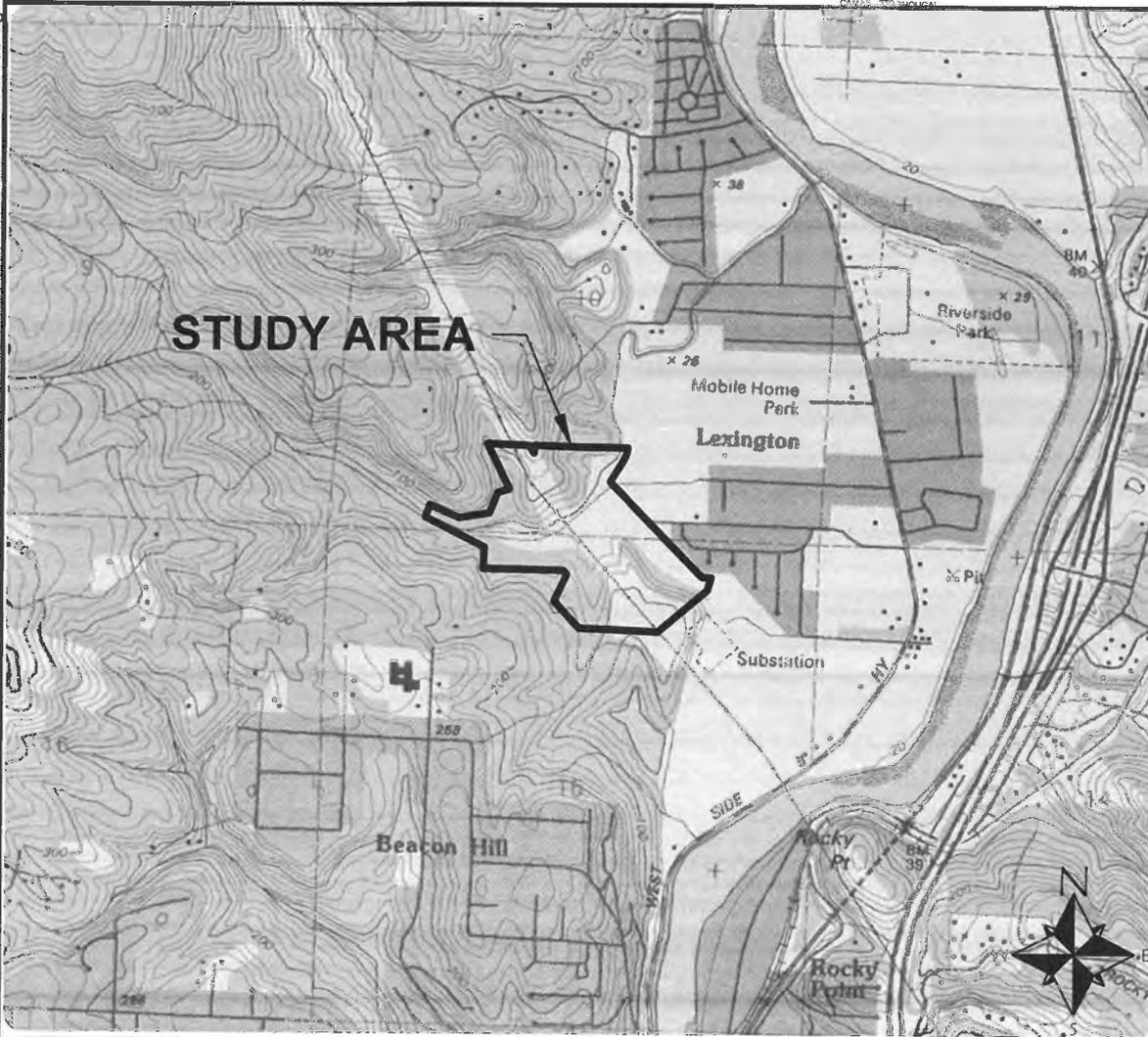
PROJECT NAME: S. Fork McCorkle Cr. Detention Structure Modifications

REFERENCE #: Not yet assigned

SITE LOCATION ADDRESS:

500 feet west of the west end of Sparks Drive
Kelso, WA 98626

STUDY AREA



PURPOSE:

Increase capacity of existing
detention facility.

DATUM: NAD 83

ADJACENT PROPERTY OWNERS:
See JARPA



SCALE IN FEET
1" = 2000'

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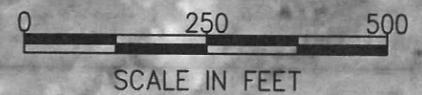


LEGEND:

- Study Area Boundary
- Wetland
- Existing Mitigation Site Boundary
- Approximate Location of McCorkle Creek
- Ditch
- Culvert Location

NOTE(S):

1. 2006 aerial photo provided by Google Earth™.

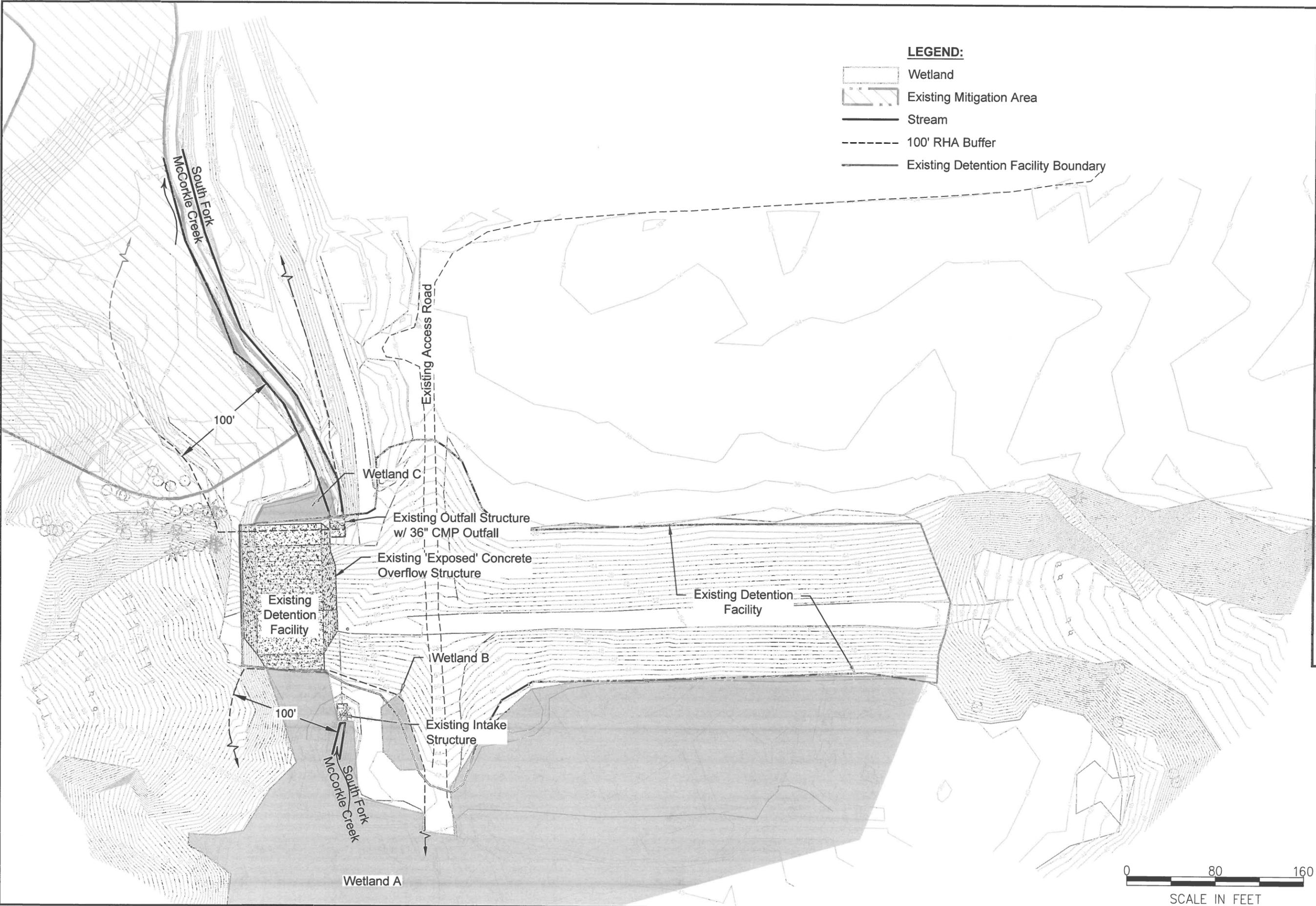


PURPOSE:
Increase capacity of existing detention facility.
DATUM: NAD 83
ADJACENT PROPERTY OWNERS: See JARPA

EXISTING CONDITIONS SITE MAP
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: S. Fork McCorkle Cr. Detention Structure Modifications
REFERENCE #: Not yet assigned
SITE LOCATION ADDRESS: 500 feet west of the west end of Sparks Drive Kelso, WA 98626

PROPOSED:
Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz
STATE: WA
SHEET 2 OF 9
DATE: 11/4/15

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- LEGEND:**
- Wetland
 - Existing Mitigation Area
 - Stream
 - 100' RHA Buffer
 - Existing Detention Facility Boundary



PURPOSE:
Increase capacity of existing detention facility.
DATUM: NAD 83
ADJACENT PROPERTY OWNERS:
See JARPA

EXISTING SITE MAP
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: s. Fork McCorkle Cr. Detention Structure Modifications
REFERENCE #: Not yet assigned
SITE LOCATION ADDRESS:
500 feet west of the west end of Sparks Drive
Kelso, WA 98626

PROPOSED:
Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz
STATE: WA
SHEET 3 OF 9
DATE: 11/4/15

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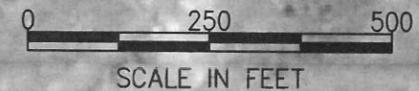


LEGEND:

-  Study Area Boundary (73 acres)
-  Wetland
-  Existing Mitigation Site Boundary
-  Approximate Location of South Fork McCorkle Creek
-  Ditch
-  Culvert Location
-  Construction Limits

NOTE(S):

- 1. 2006 aerial photo provided by Google Earth™.



PURPOSE:
Increase capacity of existing detention facility.
DATUM: NAD 83
ADJACENT PROPERTY OWNERS: See JARPA

PROPOSED SITE PLAN OVERVIEW
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: S. Fork McCorkle Cr. Detention Structure Modifications
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Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz
STATE: WA
SHEET 4 OF 9
DATE: 11/4/15



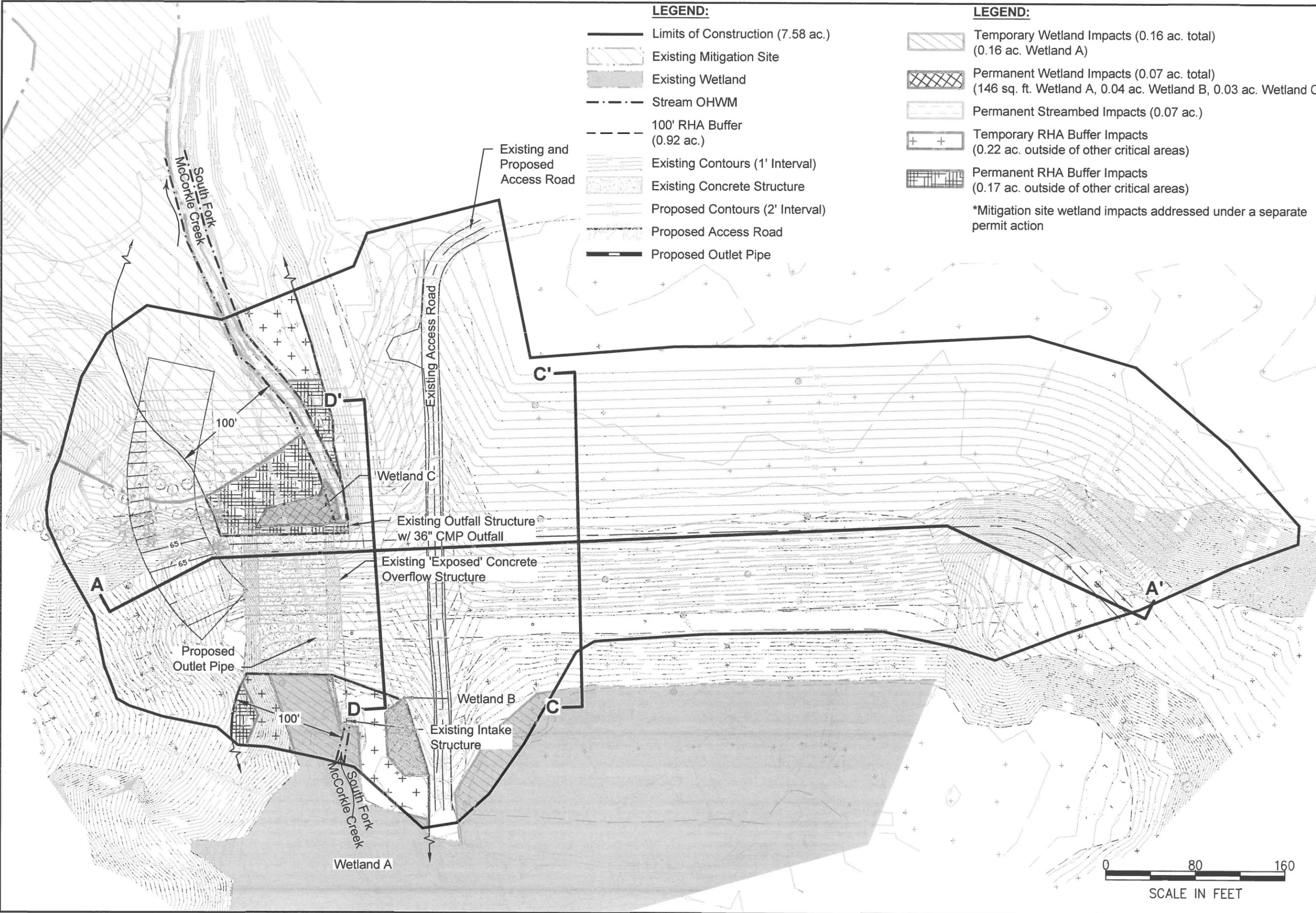
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LEGEND:

-  Limits of Construction (7.58 ac.)
-  Existing Mitigation Site
-  Existing Wetland
-  Stream OHWM
-  100' RHA Buffer (0.92 ac.)
-  Existing Contours (1' Interval)
-  Existing Concrete Structure
-  Proposed Contours (2' Interval)
-  Proposed Access Road
-  Proposed Outlet Pipe

LEGEND:

-  Temporary Wetland Impacts (0.16 ac. total)
(0.16 ac. Wetland A)
 -  Permanent Wetland Impacts (0.07 ac. total)
(146 sq. ft. Wetland A, 0.04 ac. Wetland B, 0.03 ac. Wetland C)
 -  Permanent Streambed Impacts (0.07 ac.)
 -  Temporary RHA Buffer Impacts
(0.22 ac. outside of other critical areas)
 -  Permanent RHA Buffer Impacts
(0.17 ac. outside of other critical areas)
- *Mitigation site wetland impacts addressed under a separate permit action



PROPOSED:
Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz
STATE: WA
SHEET 5 OF 9
DATE: 11/4/15

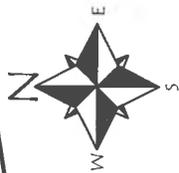
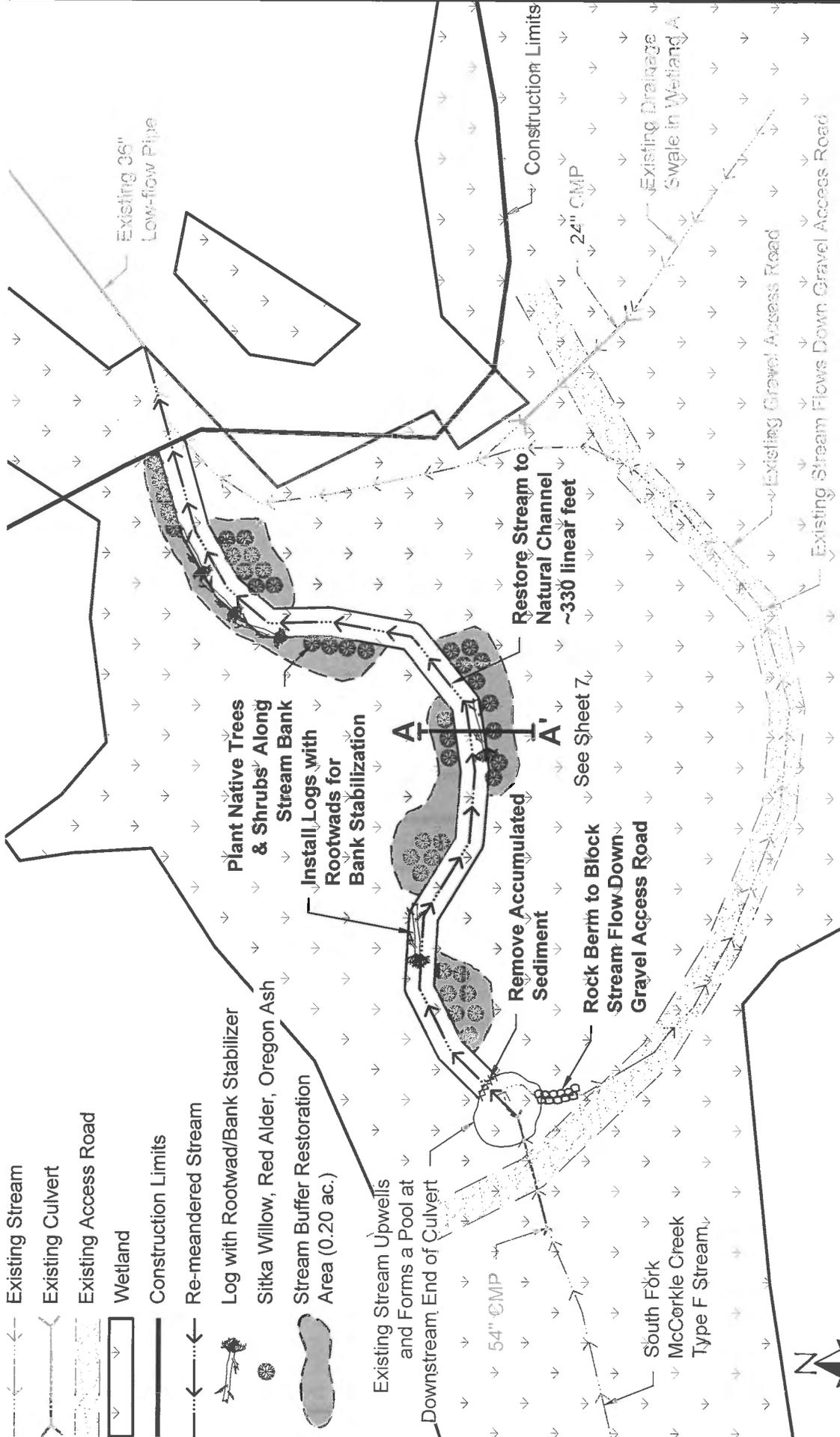
PROPOSED SITE PLAN
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: S. Fork McCorkle Cr. Detention Structure Modifications
REFERENCE #: Not yet assigned
SITE LOCATION ADDRESS:
500 feet west of the west end of Sparks Drive
Kelso, WA 98626

PURPOSE:
Increase capacity of existing detention facility.
DATUM: NAD 83
ADJACENT PROPERTY OWNERS:
See JARPA



LEGEND:

- Existing Stream
- Existing Culvert
- Existing Access Road
- Wetland
- Construction Limits
- Re-meandered Stream
- Log with Rootwad/Bank Stabilizer
- Sitka Willow, Red Alder, Oregon Ash
- Stream Buffer Restoration Area (0.20 ac.)



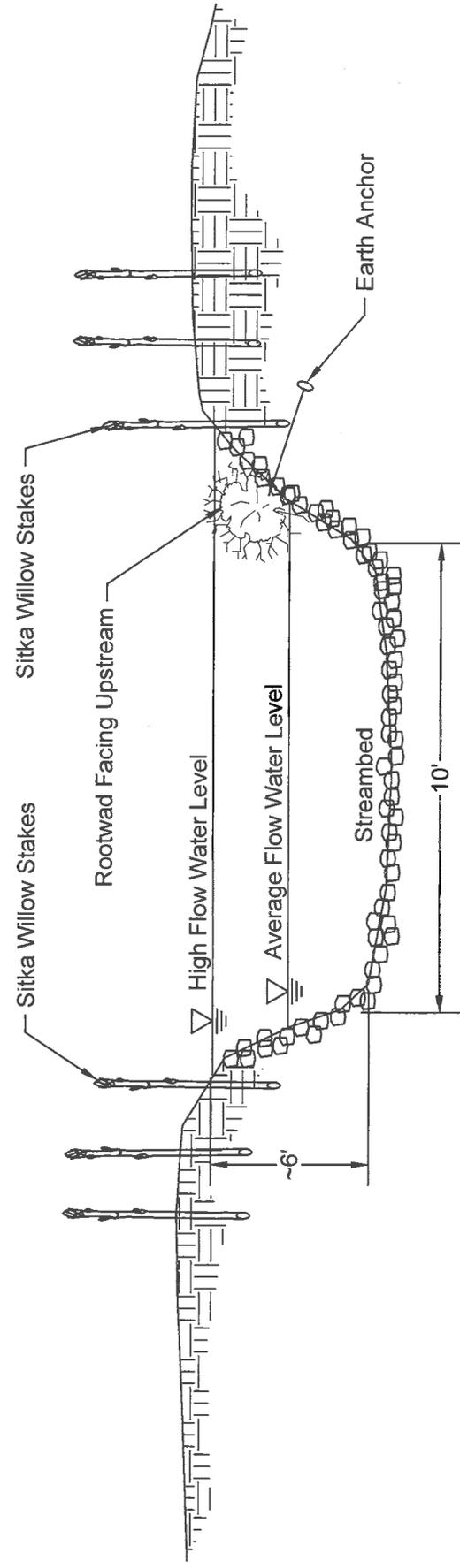
PURPOSE: Increase capacity of existing detention facility.
DATUM: NAD 83
ADJACENT PROPERTY OWNERS: See JARPA

STREAM RESTORATION PLAN
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: S. Fork McCorkle Cr. Detention Structure Modifications
REFERENCE #: Not yet assigned
SITE LOCATION ADDRESS: 500 feet west of the west end of Sparks Drive Kelso, WA 98626

PROPOSED: Wetland & Stream Fill IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz
STATE: WA
SHEET 6 OF 9
DATE: 11/4/15

A

A'



PURPOSE:
Increase capacity of existing detention facility.

DATUM: N/A

ADJACENT PROPERTY OWNERS:
See JARPA

Not to Scale

STREAM RESTORATION CROSS SECTION

APPLICANT: Lexington Flood Control Zone District

PROJECT NAME: s. Fork McCorkle Ck. Detention Structure Modifications

REFERENCE #: Not yet assigned

SITE LOCATION ADDRESS:
500 feet west of the west end of Sparks Drive
Kelso, WA 98626

PROPOSED:
Wetland & Stream Fill

IN McCorkle Cr. & assoc. wetlands

NEAR: Lexington

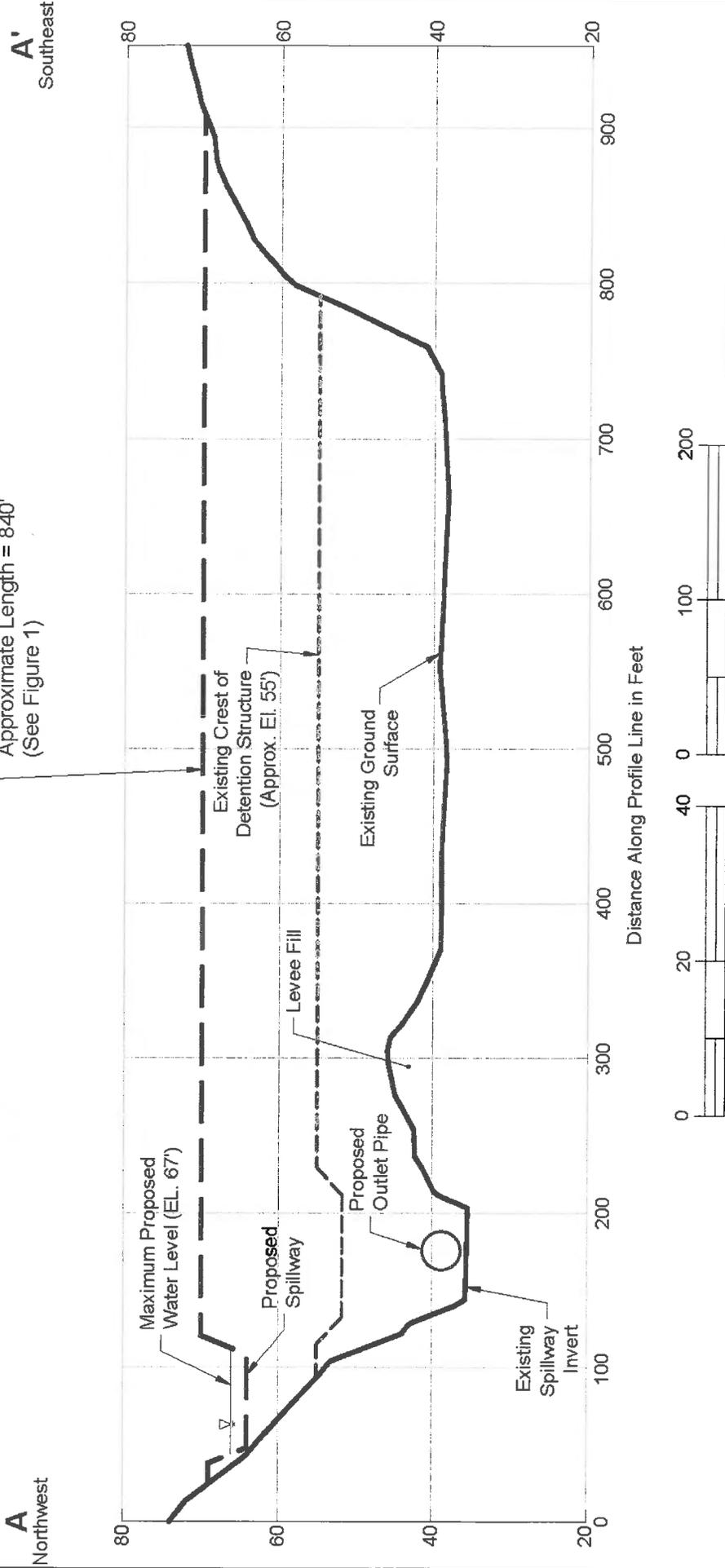
COUNTY: Cowlitz

STATE: WA

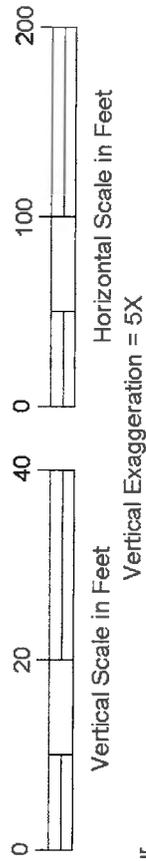
SHEET 7 OF 9

DATE: 11/4/15

D-D' C-C' A'



SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants



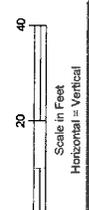
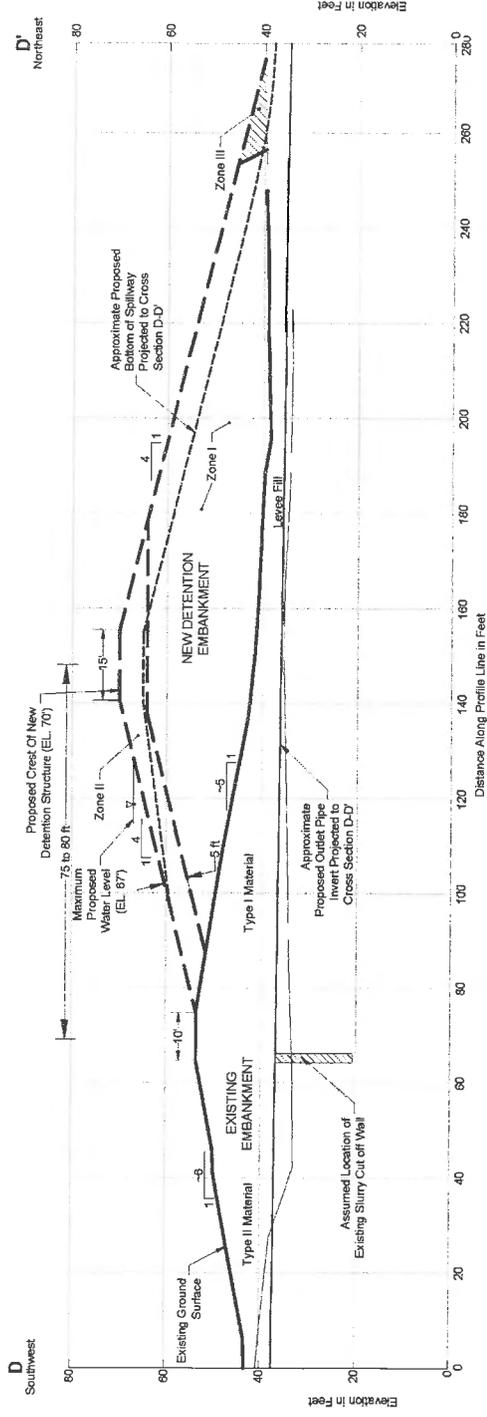
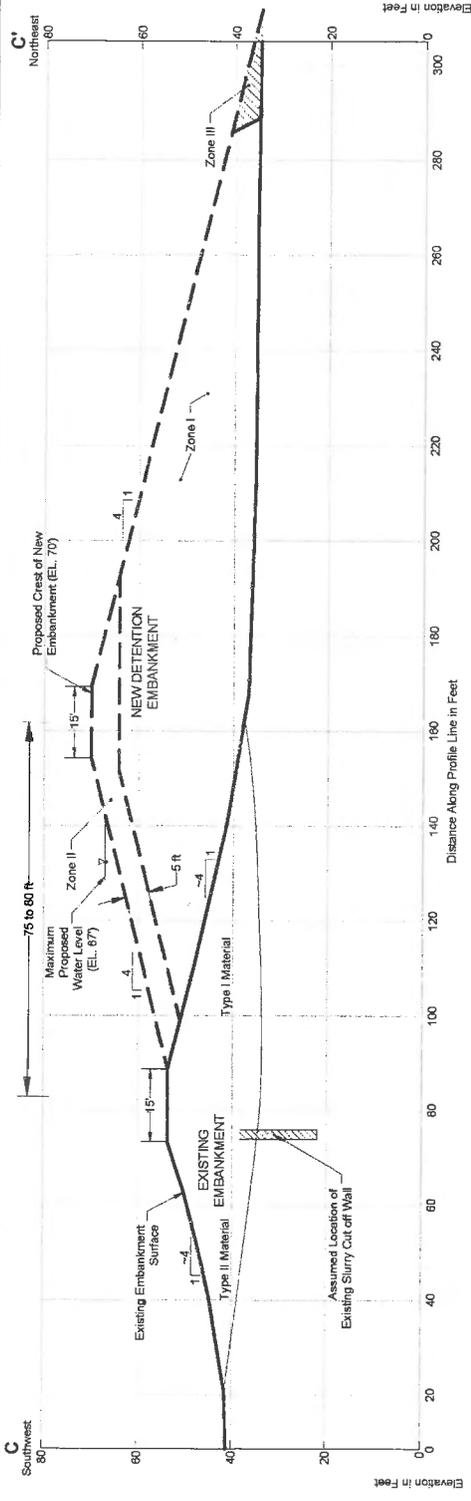
NOTES

- Information shown in this drawing is based on conceptual design work and modifications may occur when final detailed design work is completed.

PURPOSE:
Increase capacity of existing detention facility.
DATUM: NGVD88
ADJACENT PROPERTY OWNERS:
See JARPA

PROFILE A-A'
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: S. Fork McCorkle Cr. Detention Structure Modifications
REFERENCE #: Not yet assigned
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Kelso, WA 98626

PROPOSED:
Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz
STATE: WA
SHEET 8 OF 9
DATE: 11/4/15



SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

PROPOSED:
Wetland & Stream Fill
IN McCorkle Cr. & assoc. wetlands
NEAR: Lexington
COUNTY: Cowlitz **STATE:** WA
SHEET 9 OF 9
DATE: 11/4/15

SECTIONS C-C' AND D-D'
APPLICANT: Lexington Flood Control Zone District
PROJECT NAME: S. Fork McCorkle Ck. Detention Structure Modifications
REFERENCE #: Not yet assigned
SITE LOCATION ADDRESS:
500 feet west of the west end of Sparks Drive
Kelso, WA 98626

PURPOSE:
Increase capacity of existing detention facility.
DATUM: NGVD88
ADJACENT PROPERTY OWNERS:
Sec JARPA

NOTES
1. Information shown in this drawing is based on conceptual design work and modifications may occur when final detailed design work is completed.