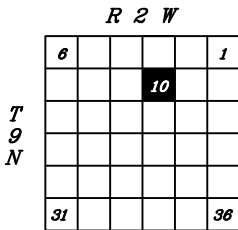


WASHINGTON



46.2784° Latitude
-122.9125° Longitude

LOCATION MAP

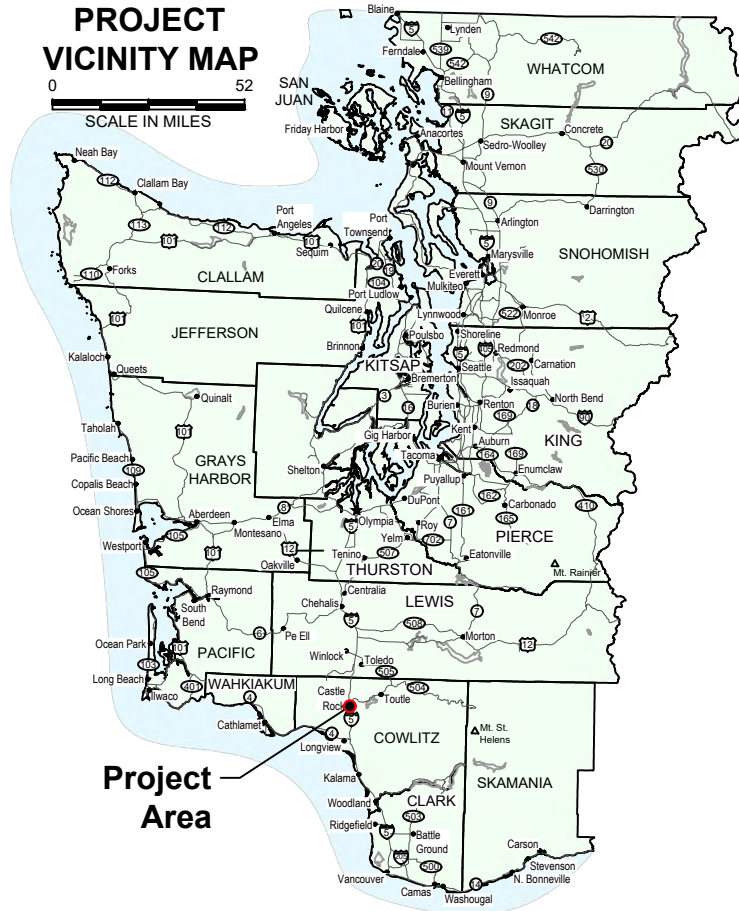


NOTE:

Quadrangle topographic map from USGS.

PROJECT VICINITY MAP

0 52
SCALE IN MILES



Project Area

PROPOSED: Maintenance Dredging

IN Cowlitz River

NEAR: Castle Rock

COUNTY: Cowlitz

STATE: WA

SHEET 1 OF 7
DATE: 6/4/25

VICINITY MAP

APPLICANT: City of Castle Rock

PROJECT NAME: Castle Rock Boat Launch Dredging

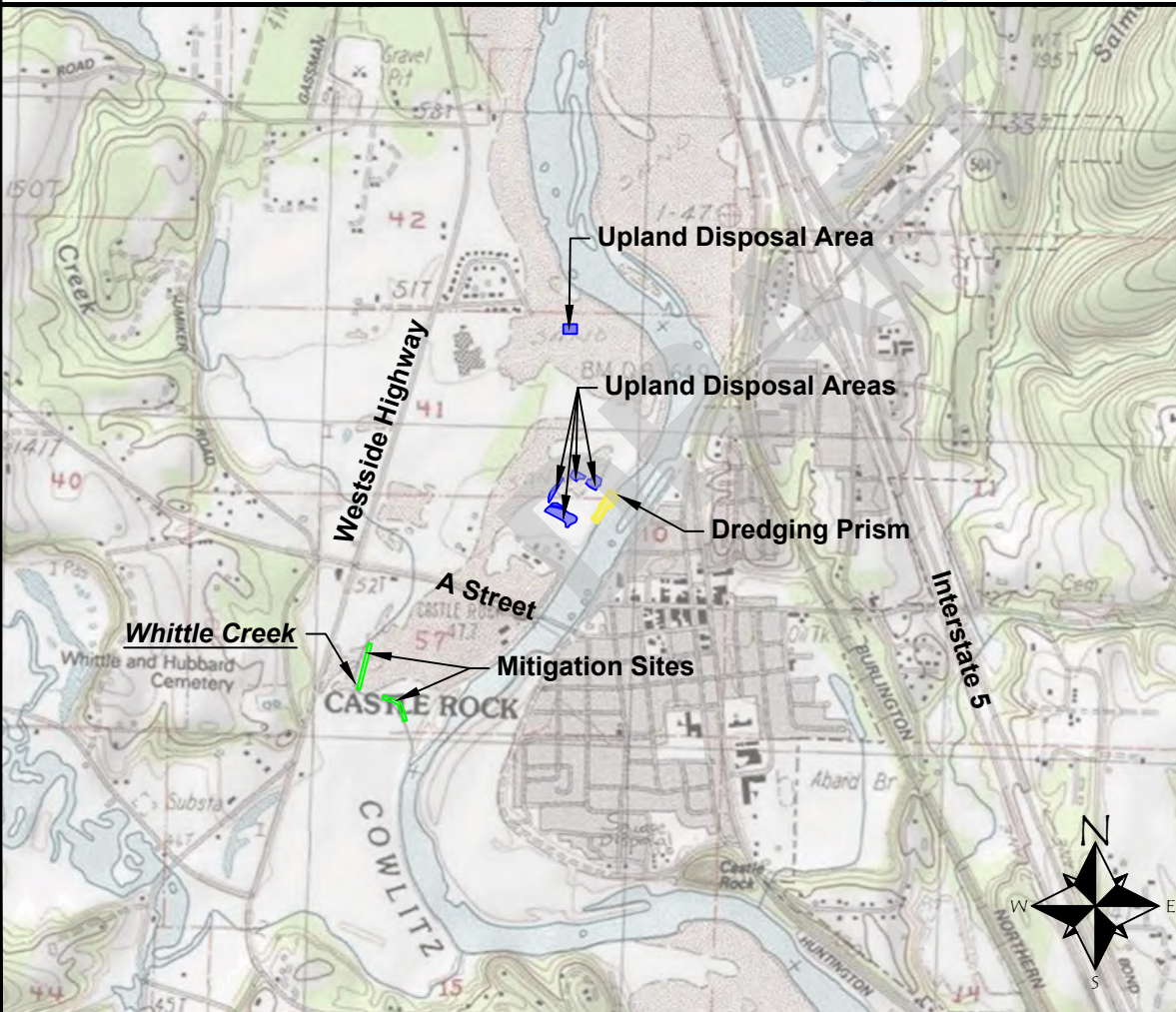
REFERENCE #: Not Yet Assigned.

SITE LOCATION ADDRESS:
RM 17.6 - Access Rd 5040 Westside Hwy

PURPOSE: Maintain Water Depth
at Boat Launch.

DATUM: NAD83

ADJACENT PROPERTY OWNERS:
See JARPA



4000
2000
0
SCALE IN FEET

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

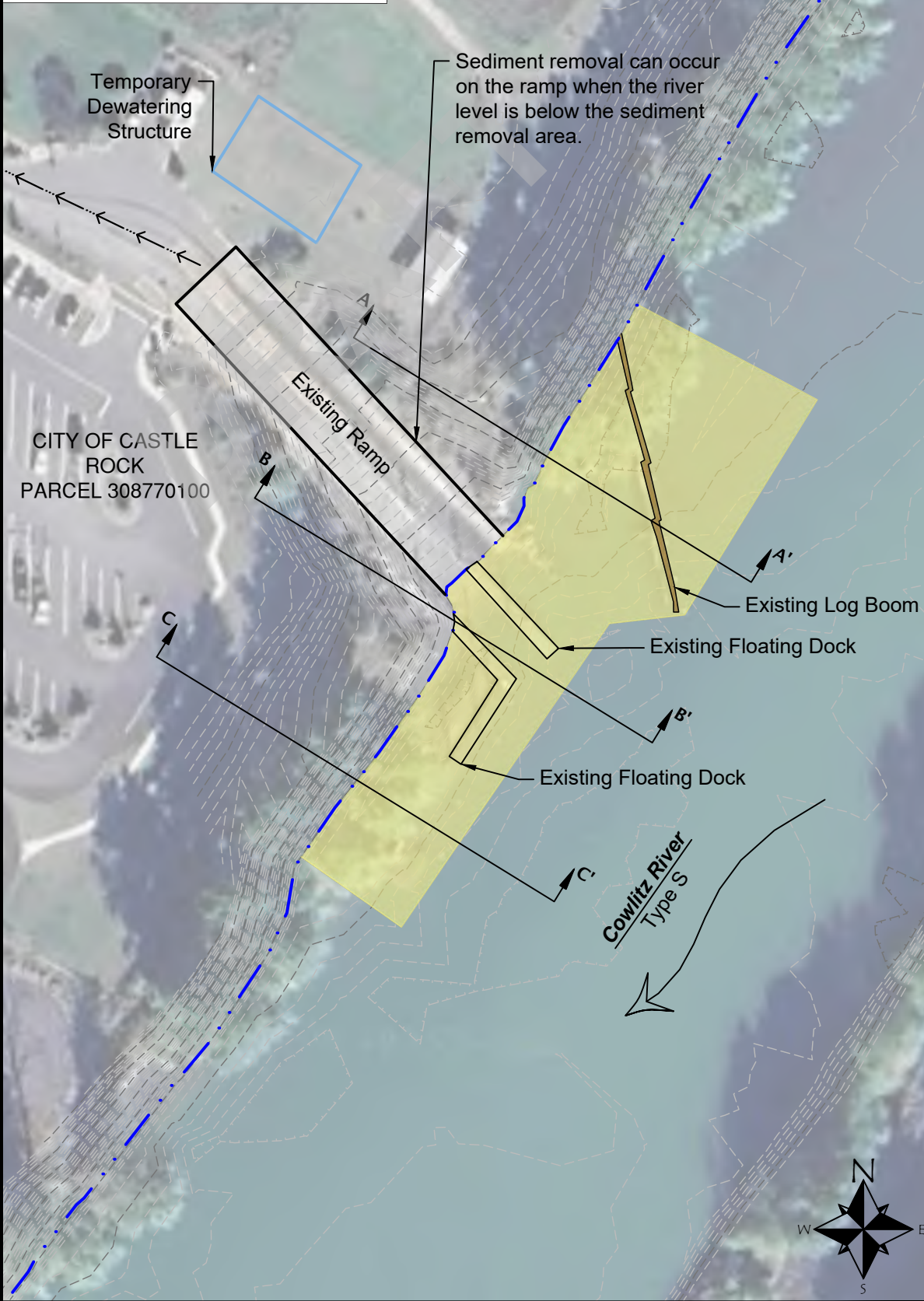


LEGEND:

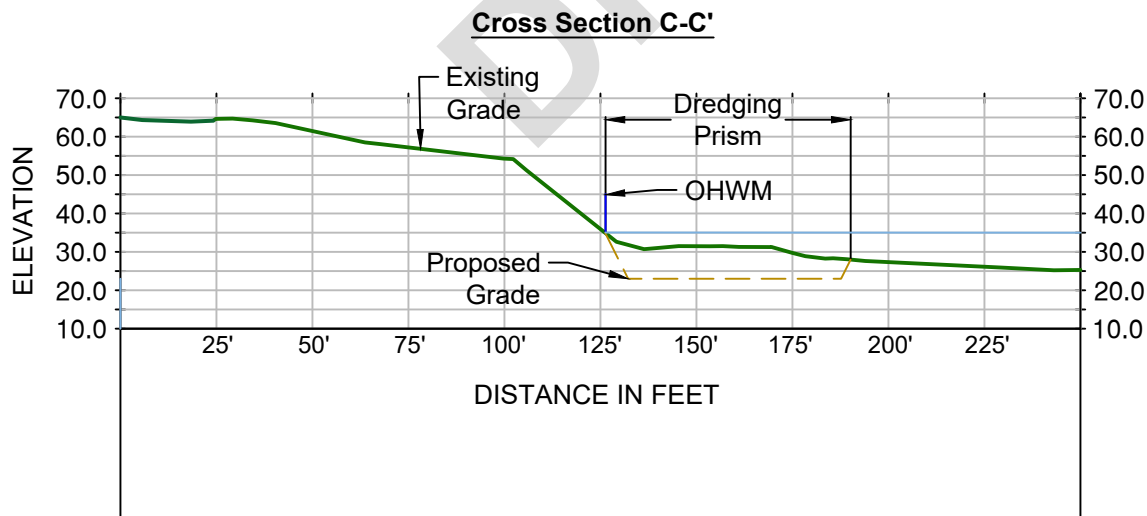
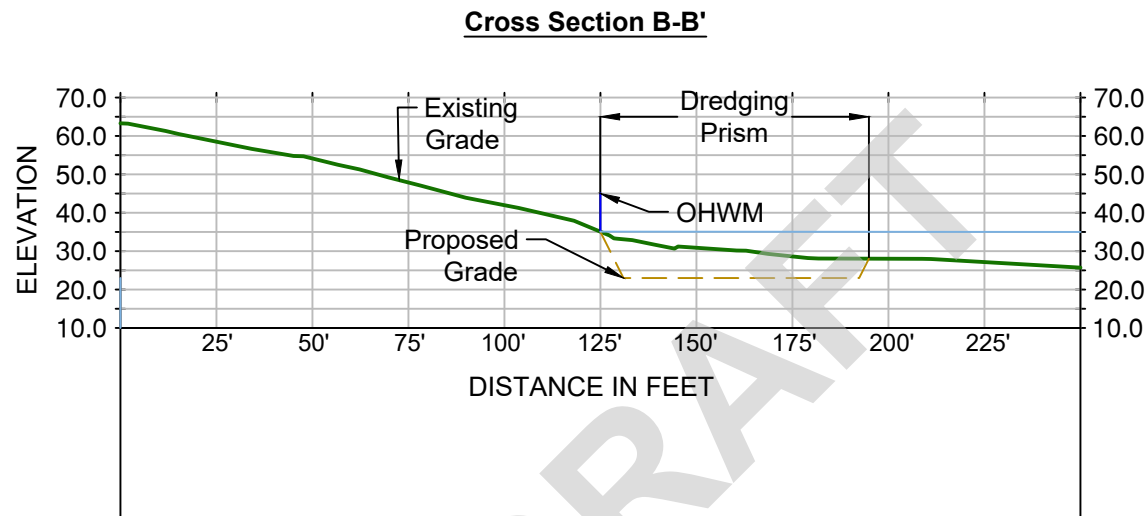
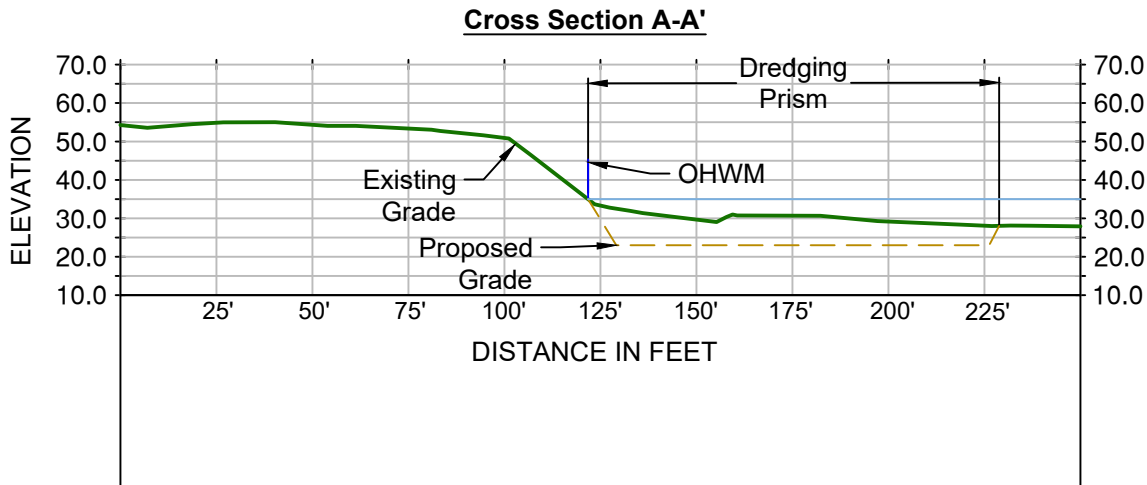
- OHWM
- Existing 1' Contours
-  Cross Section
- Existing Log Boom
- Dredging Area (0.68 ac.)

NOTE(S):

1. Aerial from Google Earth™ (10/4/2023).
2. Bathymetry from September 2016, Gibbs & Olson.



PROPOSED: Maintenance Dredging	DREDGING PRISM	PURPOSE: Maintain Water Depth at Boat Launch.
IN Cowlitz River	APPLICANT: City of Castle Rock	DATUM: NAD83
NEAR: Castle Rock	PROJECT NAME: Castle Rock Boat Launch Dredging	ADJACENT PROPERTY OWNERS: See JARPA
COUNTY: Cowlitz	REFERENCE #: Not Yet Assigned.	1157 3rd Ave., Suite 220A Longview, WA 98632 Phone: (360) 578-1371
STATE: WA	SITE LOCATION ADDRESS: RM 17.6 - Access Rd 5040 Westside Hwy	Ecological Land Services
SHEET 2 OF 7	DATE: 6/4/25	SCALE IN FEET 0 80 160



NOTE(S):

1. Green lines indicate existing grade from 2016 bathymetric survey.

PROPOSED: Maintenance Dredging
IN: Cowlitz River
NEAR: Castle Rock
COUNTY: Cowlitz
STATE: WA
SHEET 3 OF 7
DATE: 6/4/25

CROSS SECTIONS
APPLICANT: City of Castle Rock
PROJECT NAME: Castle Rock Boat Launch Dredging
REFERENCE #: Not Yet Assigned.
SITE LOCATION ADDRESS:
 RM 17.6 - Access Rd 5040 Westside Hwy

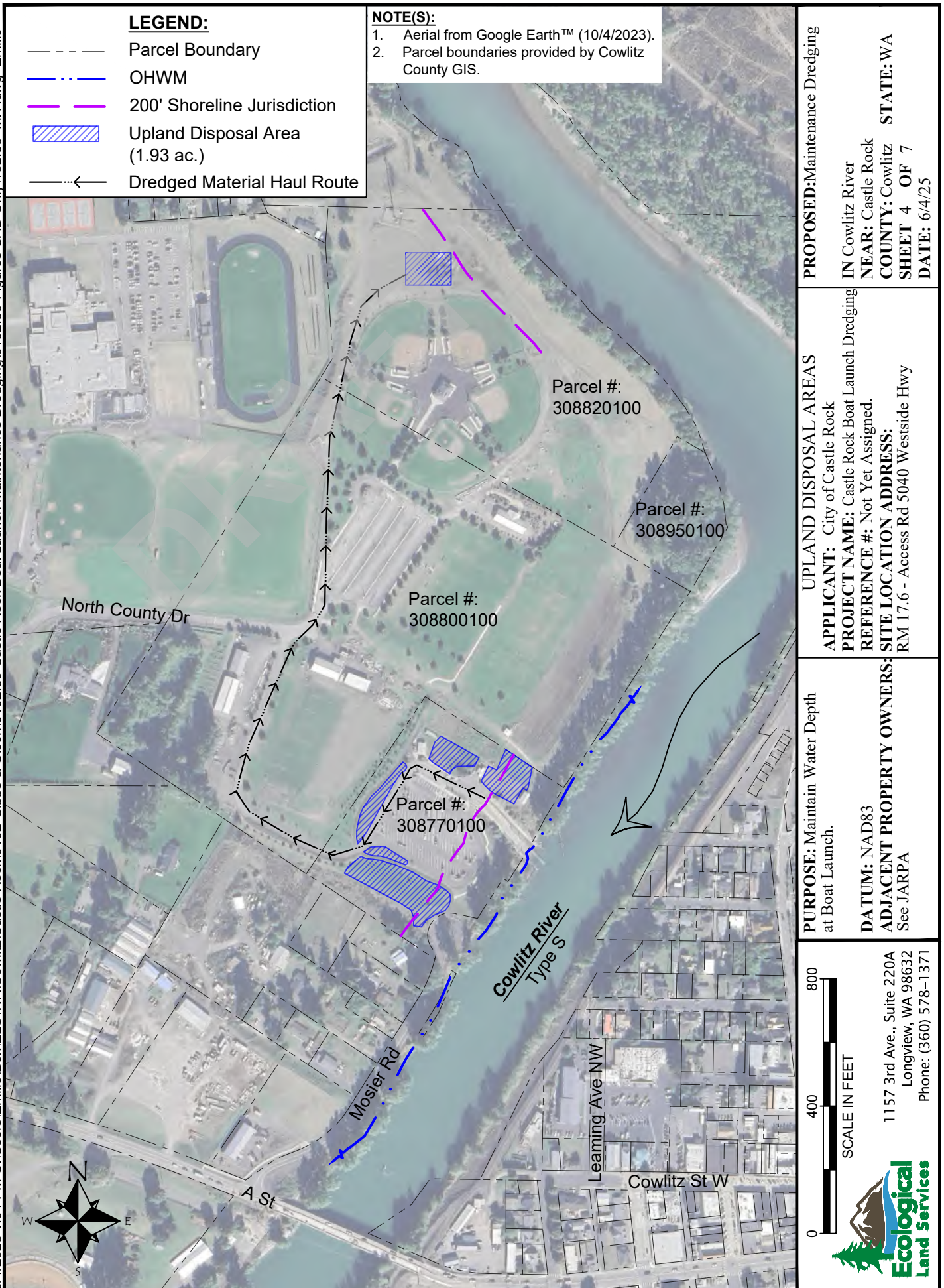
PURPOSE: Maintain Water Depth at Boat Launch.
DATUM: NAD83
ADJACENT PROPERTY OWNERS:
 See JARPA

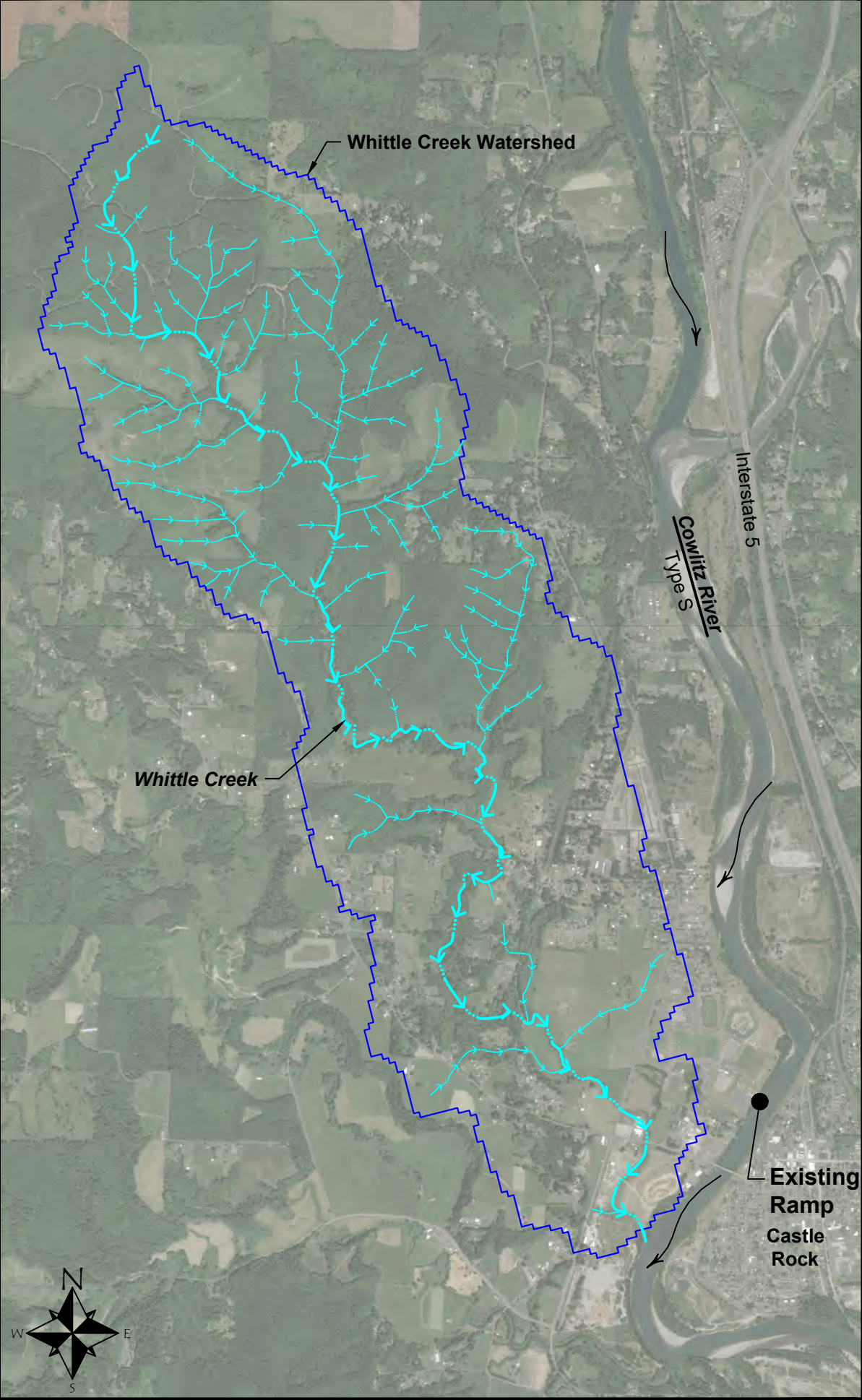
SCALE IN FEET

0 50 100

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 Longview, WA 98632
 Phone: (360) 578-1371

Ecological Land Services





PURPOSE: Maintain Water Depth at Boat Launch. DATUM: NAD83 ADJACENT PROPERTY OWNERS: See JARPA		WHITTLE CREEK WATERSHED APPLICANT: City of Castle Rock PROJECT NAME: Castle Rock Boat Launch Dredging REFERENCE #: Not Yet Assigned. SITE LOCATION ADDRESS: RM 17.6 - Access Rd 5040 Westside Hwy	PROPOSED: Maintenance Dredging IN Cowlitz River NEAR: Castle Rock COUNTY: Cowlitz STATE: WA SHEET 5 OF 7 DATE: 6/4/25
SCALE IN FEET 0 2500 5000 1157 3rd Ave., Suite 220A Longview, WA 98632 Phone: (360) 578-1371 Ecological Land Services			

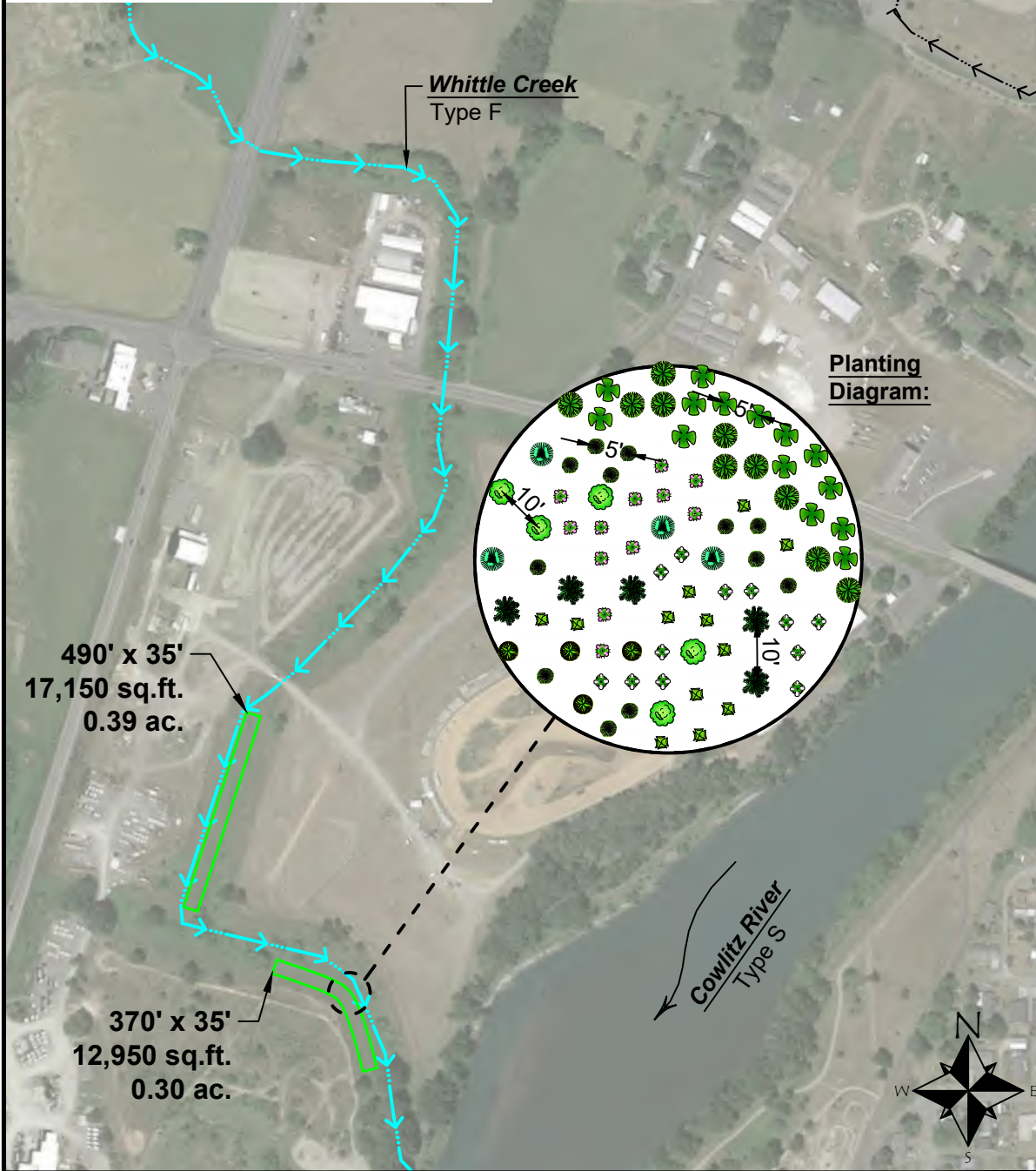


 1157 3rd Ave., Suite 220A Longview, WA 98632 Phone: (360) 578-1371		PURPOSE: Maintain Water Depth at Boat Launch.	DATUM: NAD83
		ADJACENT PROPERTY OWNERS: See JARPA	
SCALE IN FEET 		ACTION AREA MAP	
		APPLICANT: City of Castle Rock	PROPOSED: Maintenance Dredging
		PROJECT NAME: Castle Rock Boat Launch Dredging	
		REFERENCE #: Not Yet Assigned.	
		SITE LOCATION ADDRESS:	
		RM 17.6 - Access Rd 5040 Westside Hwy	
		NEAR: Castle Rock	IN Cowlitz River
		COUNTY: Cowlitz	STATE: WA
		SHEET 6 OF 7	
		DATE: 6/4/25	

Plant Specifications (0.69 acres)				
Species	Spacing (feet)		Minimum Size and Type	Quantity
Plant Near the Water - lower 11' (0.23 acres - 10,019 sf)				
Sida Willow (<i>Salix alba</i>)	5		3" cuttings	200
Red-Osier Dogwood (<i>Cornus sericea</i>)	5		3" cuttings or 1-gallon container or larger	200
Plant in Drier Soils Higher up the Bank - upper 24' (0.46 acres - 20,038 sf)				
Black Cottonwood (<i>Populus balsamifera</i>)	10' from other trees		3" cuttings, bareroot, or 1-gallon container or larger	67
Douglas Fir (<i>Pseudotsuga menziesii</i>)	10' from other trees		Bareroot or 1-gallon container minimum	67
Grand Fir (<i>Abies grandis</i>)	10' from other trees		Bareroot or 1-gallon container or larger	67
Vine Maple (<i>Acer circinnatum</i>)	10' from other trees		1-gallon container or larger	67
Oceanspray (<i>Holodiscus discolor</i>)	5' from other shrubs and trees		1-gallon container or larger	150
Nootka Rose (<i>Rosa nutkana</i>)	5' from other shrubs and trees		1-gallon container or larger	150
Snowberry (<i>Symphoricarpos albus</i>)	5' from other shrubs and trees		1-gallon container or larger	150
Salal (<i>Gaultheria shallon</i>)	5' from other shrubs and trees		1-gallon container or larger	150
Total Plants				1,286

LEGEND:

- Parcel Boundary
- Stream with Flow Direction
- Mitigation Area (0.69 ac.)



PROPOSED: Maintenance Dredging

IN Cowlitz River

NEAR: Castle Rock

COUNTY: Cowlitz **STATE:** WA

SHEET 7 **OF** 7

DATE: 6/4/25

PLANTING PLAN

APPLICANT: City of Castle Rock

PROJECT NAME: Castle Rock Boat Launch Dredging

REFERENCE #: Not Yet Assigned.

SITE LOCATION ADDRESS:
RM 17.6 - Access Rd 5040 Westside Hwy

PURPOSE: Maintain Water Depth at Boat Launch.

DATUM: NAD83

ADJACENT PROPERTY OWNERS:
See JARPA

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