LOCATON:
SE 1/4 OF THE SW 1/4 OF SECTION 33, TOWNSHIP 19N, RANGE 05E AND THE SW 1/4 OF THE SE 1/4 OF SECTION 33, TOWNSHIP 19N, RANGE 05E OF THE WILLAMETTE MERIDIAN.

LATITUDE: 47 DEG 05' 00" N
LONGITUDE: 122 DEG 10' 39" W

PURPOSE
FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND

DATUM:

ADJACENT PROPERTY OWNERS

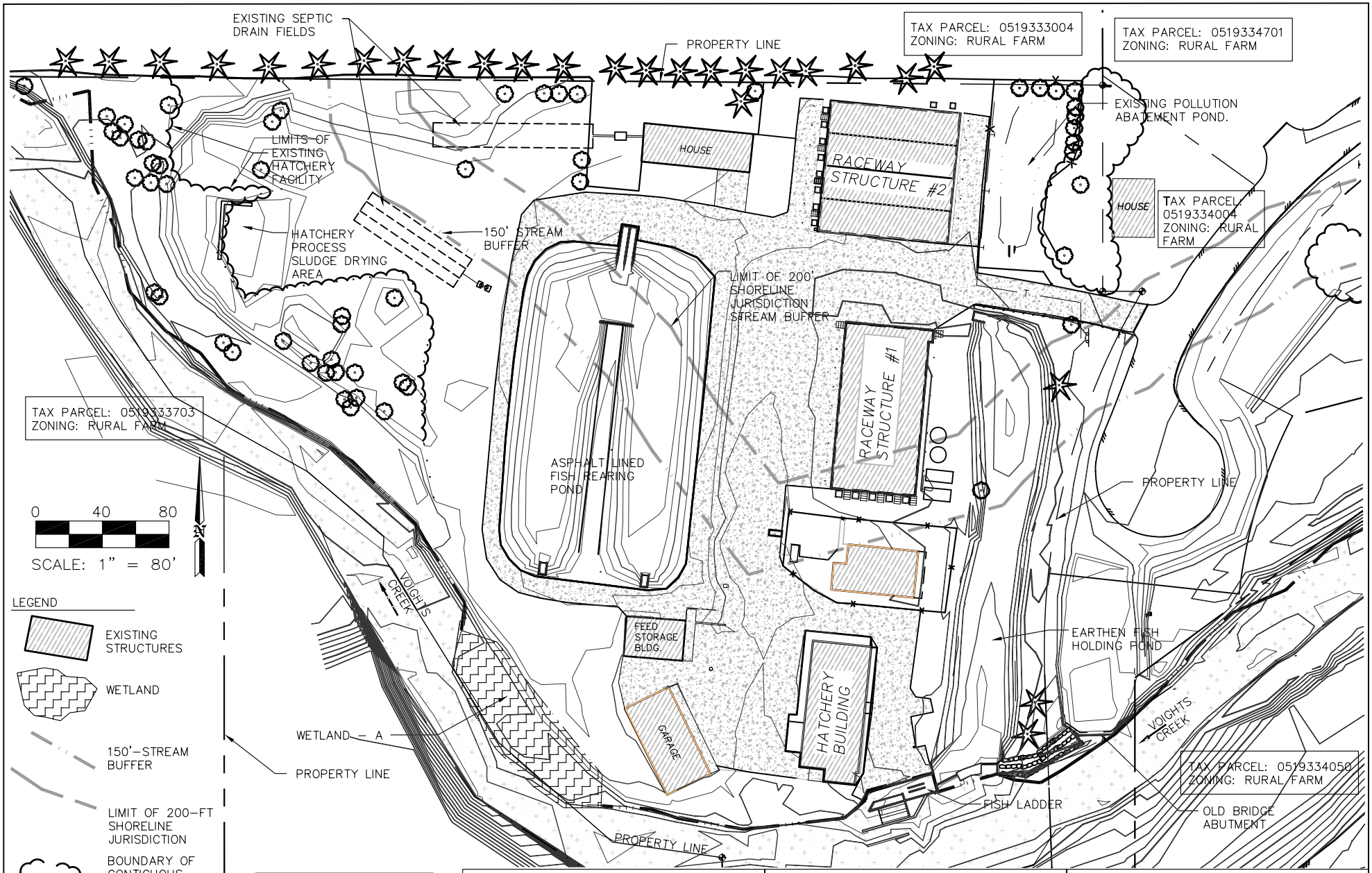
NAME:
FIGURE 1 VICINITY MAP
SCALE: 1:24,000

REFERENCE #:

SITE LOCATION ADDRESS:
VOIGHTS CREEK HATCHERY
19112 PIONEER WAY
ORTING, WA 98360

PROPOSED WORK:
CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER

IN: STREAM BANK
NEAR/AT: ORTING
COUNTY: PIERCE STATE: WA



PURPOSE

FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND

DATUM: **NAVD 88**

ADJACENT PROPERTY OWNERS

NAME:

FIGURE 2 EXISTING CONDITIONS SCALE 1"=80'

REFERENCE #:

SITE LOCATION ADDRESS:

VOIGHTS CREEK HATCHERY
19112 PIONEER WAY
ORTING, WA 98360

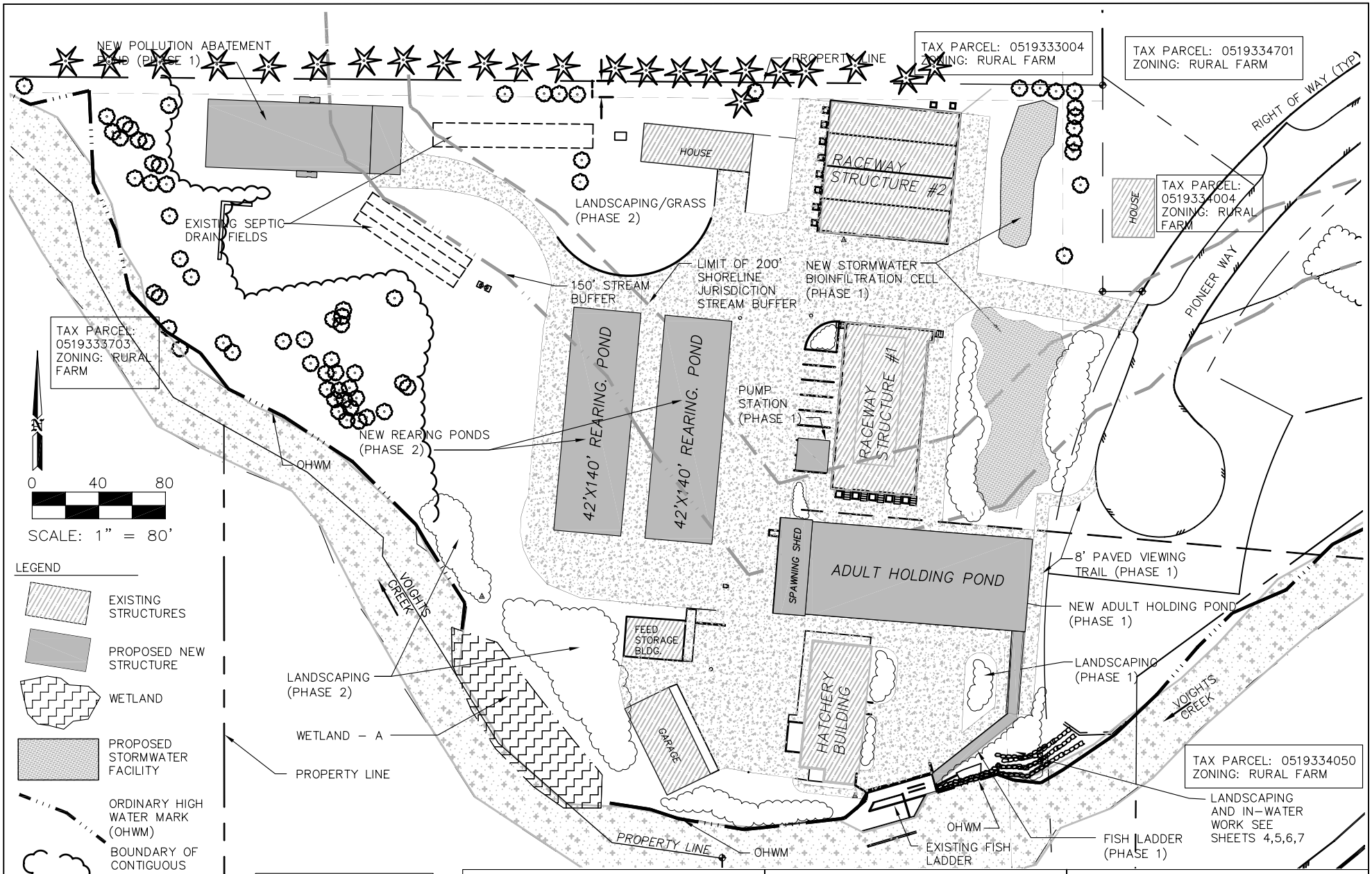
PROPOSED WORK:

CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER

IN: **STREAM BANK**

NEAR/AT: **ORTING**

COUNTY: **PIERCE** STATE: **WA**



PURPOSE

FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND

DATUM: **NAVD 88**

ADJACENT PROPERTY OWNERS

NAME:

FIGURE 3 PROPOSED SCHEMATIC DESIGN
SCALE 1" = 80'

REFERENCE #:

SITE LOCATION ADDRESS:

VOIGHTS CREEK HATCHERY
19112 PIONEER WAY
ORTING, WA 98360

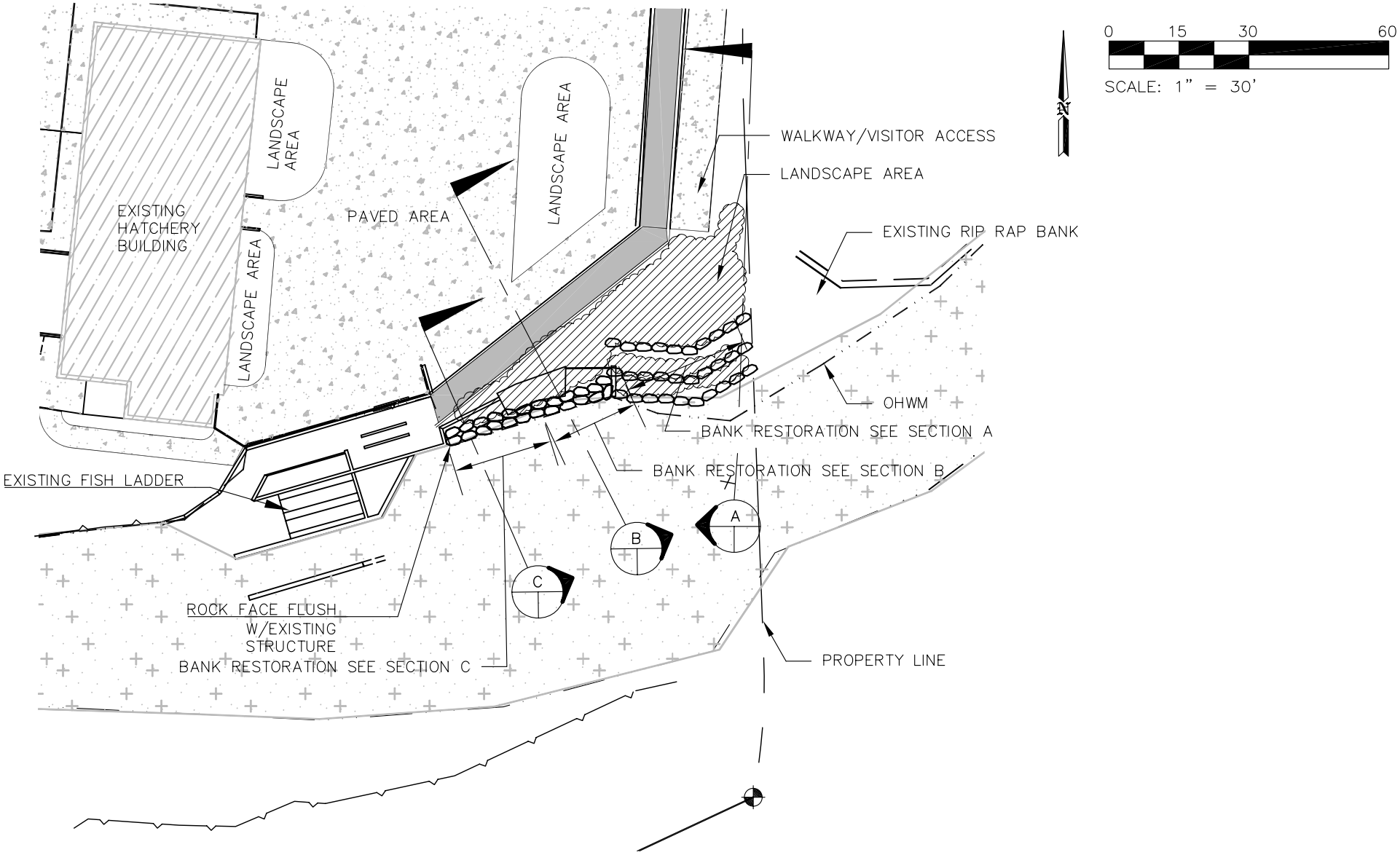
PROPOSED WORK:

CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER

IN: **STREAM BANK**

NEAR/AT: **ORTING**

COUNTY: **PIERCE** STATE: **WA**



PURPOSE
FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND
DATUM: **NAVD 88**
ADJACENT PROPERTY OWNERS

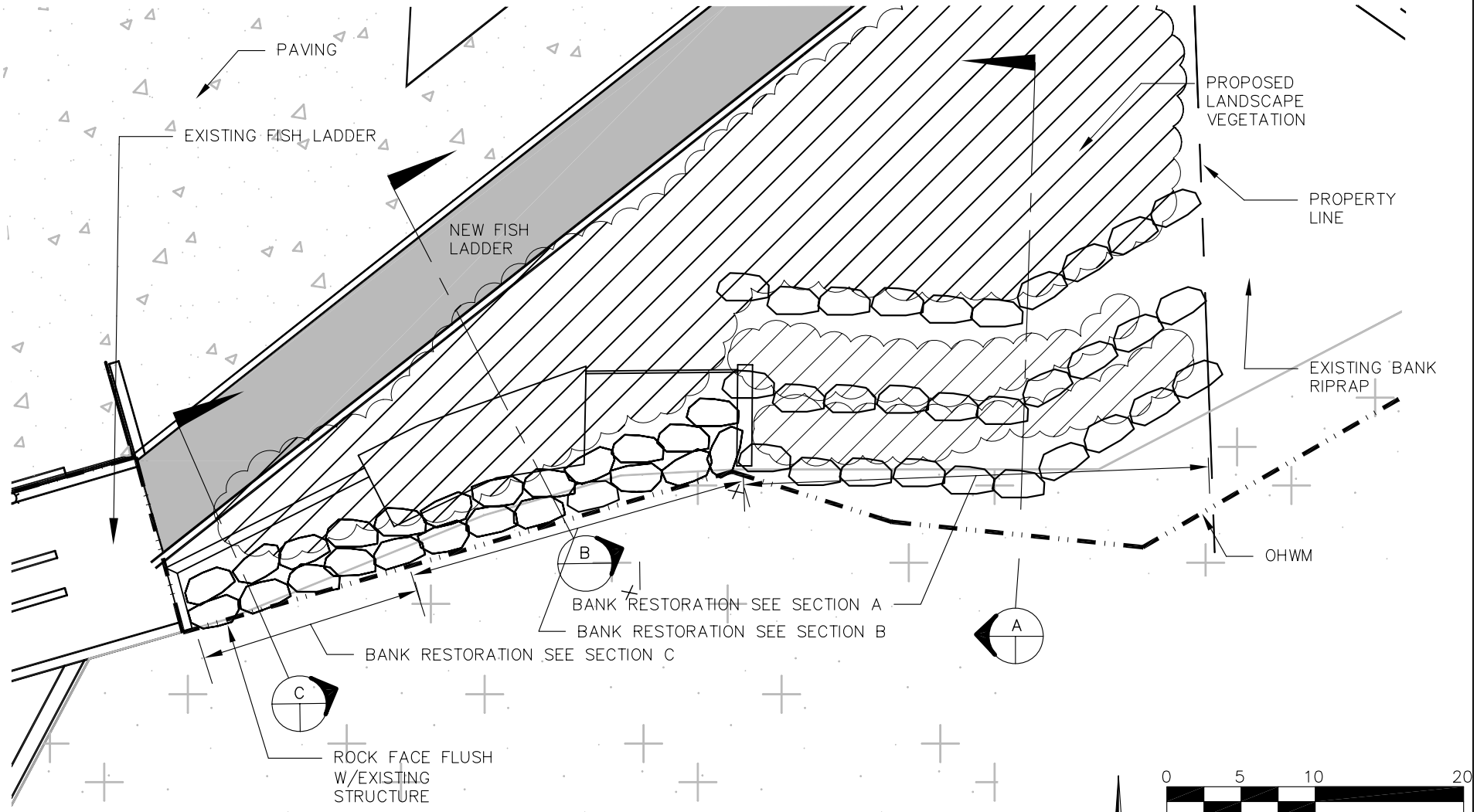
NAME:
FIGURE 4 FISH LADDER PLAN & BANK RESTORATION PLAN
SCALE 1'= 30'-0"
REFERENCE #:

SITE LOCATION ADDRESS:
VOIGHTS CREEK HATCHERY
19112 PIONEER WAY
ORTING, WA 98360

PROPOSED WORK:
CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER

IN: **STREAM BANK**
NEAR/AT: **ORTING**
COUNTY: **PIERCE** STATE: **WA**

SHEET: 4 of 7



VOLUME CALCULATIONS	TOTAL	BELOW OHW
EXCAVATED MATERIAL:	144.7 CY	42.9 CY
FILL MATERIAL:	155.3 CY	53 CY
BANK PROTECTION STONE:	118.9 CY	53 CY.
NET FILL:	10.6 CY	10.1 CY

PURPOSE
FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND
DATUM: **NAVD 88**
ADJACENT PROPERTY OWNERS

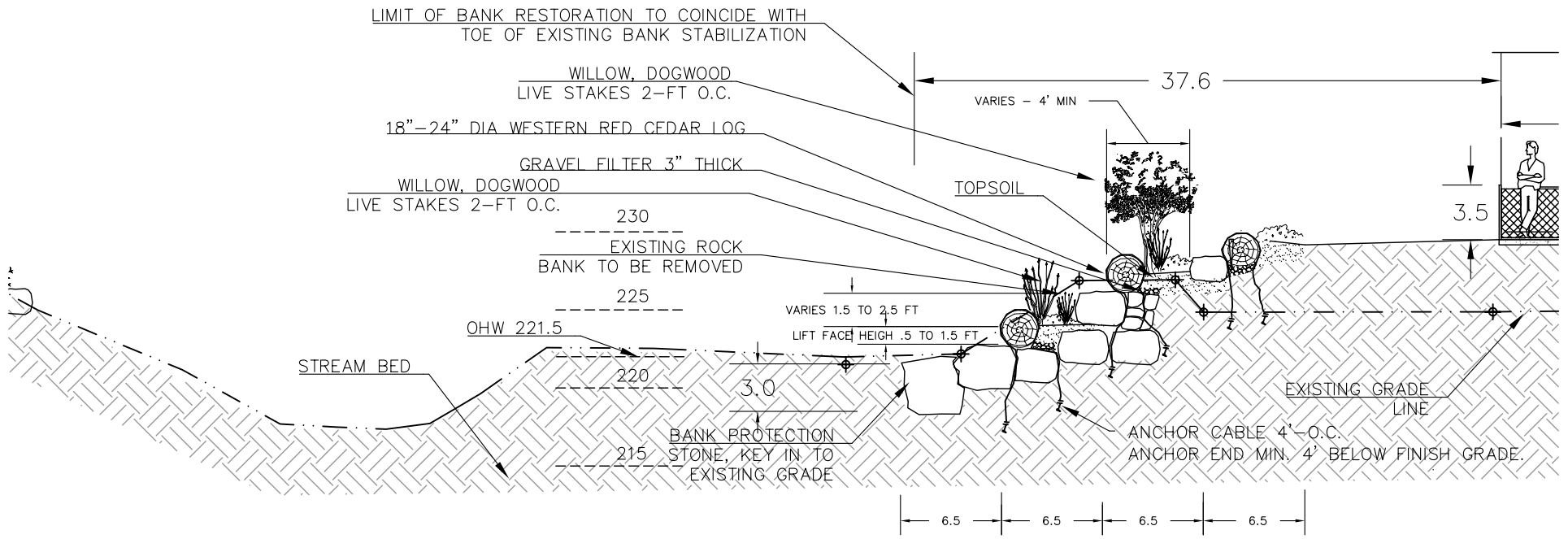
NAME:
FIGURE 5 FISH LADDER PLAN & BANK RESTORATION PLAN
SCALE 1'= 10'-0"
REFERENCE #:

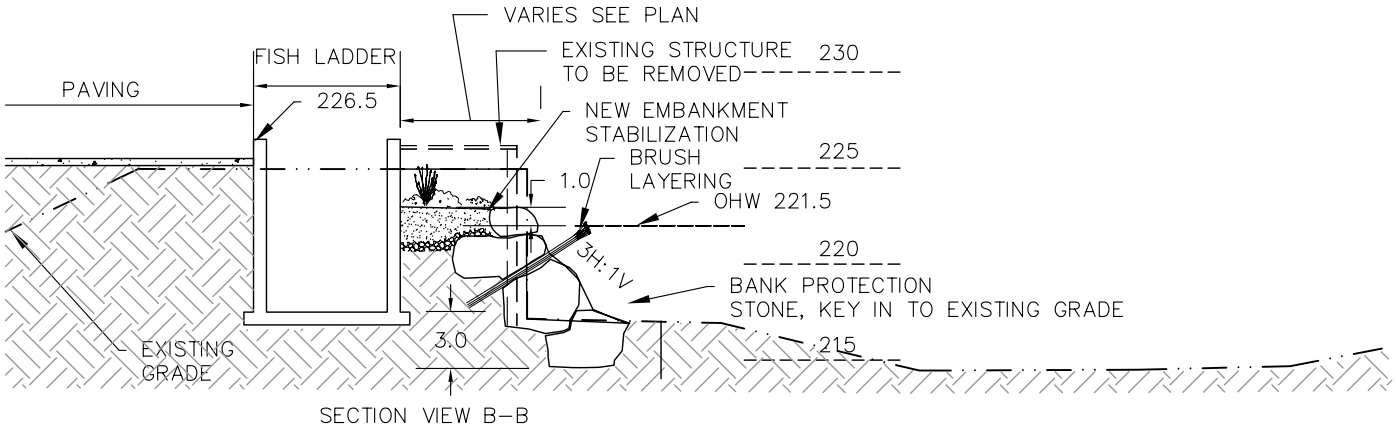
SITE LOCATION ADDRESS:
VOIGHTS CREEK HATCHERY
19112 PIONEER WAY
ORTING, WA 98360

PROPOSED WORK:
CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER

IN: **STREAM BANK**
NEAR/AT: **ORTING**
COUNTY: **PIERCE** STATE: **WA**

SHEET: 5 of 7





SECTION VIEW B-B

NOTES:

1. THE EXISTING STREAM BANK IN THE AREA OF THE PROPOSED RENOVATION IS COMPRISED OF LARGE BOULDER RIP RAP AND SHEET PILES WITH NO RIPARIAN VEGETATION.

2. THE PROPOSED STREAM BANK RESTORATION WILL INTERLAY RIP RAP, LARGE LOGS, SOIL AND RIPARIAN VEGETATION (WILLOW, DOGWOOD, SALAL, INDIAN PLUM, SWORD FIRN AND OCIAN SPRAY) TYPICAL OF THAT FOUND ALONG VOIGHTS CREEK.

3. THE CONSTRUCTION WILL BE COMPLETED WITH TYPICAL MECHANIZED CONSTRUCTION EQUIPMENT INCLUDING A SMALL EXCAVATOR, AND HAND TOOLS.

PURPOSE
FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND
DATUM: **NAVD 88**
ADJACENT PROPERTY OWNERS

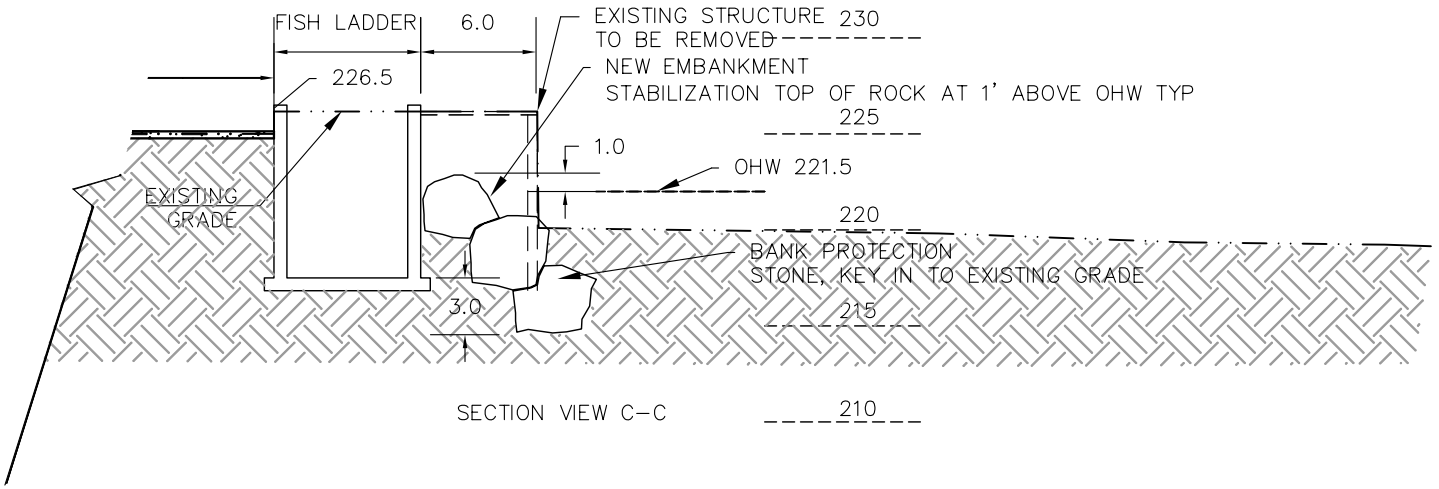
NAME:
FIGURE 6
BANK RESTORATION SECTIONS
SCALE 1"= 10'-0"
REFERENCE #:

SITE LOCATION ADDRESS:
VOIGHTS CREEK HATCHERY
19112 PIONEER WAY
ORTING, WA 98360

PROPOSED WORK:
CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER

IN: **STREAM BANK**
NEAR/AT: **ORTING**
COUNTY: **PIERCE** STATE: **WA**

SHEET: 6 of 7



PURPOSE **FISH HATCHERY RENOVATION & CONSTRUCTION OF NEW FISH HOLDING POND, FISH LADDER & POLLUTION ABATEMENT POND** DATUM: **NAVD 88** ADJACENT PROPERTY OWNERS	NAME: **FIGURE 7** **BANK ENHANCEMENT SECTIONS** **SCALE 1" = 10'–0"** REFERENCE #: SITE LOCATION ADDRESS: **VOIGHTS CREEK HATCHERY** **19112 PIONEER WAY** **ORTING, WA 98360**	PROPOSED WORK: **CONSTRUCTION OF NEW ADULT FISH HOLDING POND AND FISH LADDER** IN: **STREAM BANK** NEAR/AT: **ORTING** COUNTY: **PIERCE** STATE: **WA** SHEET: 7 of 7