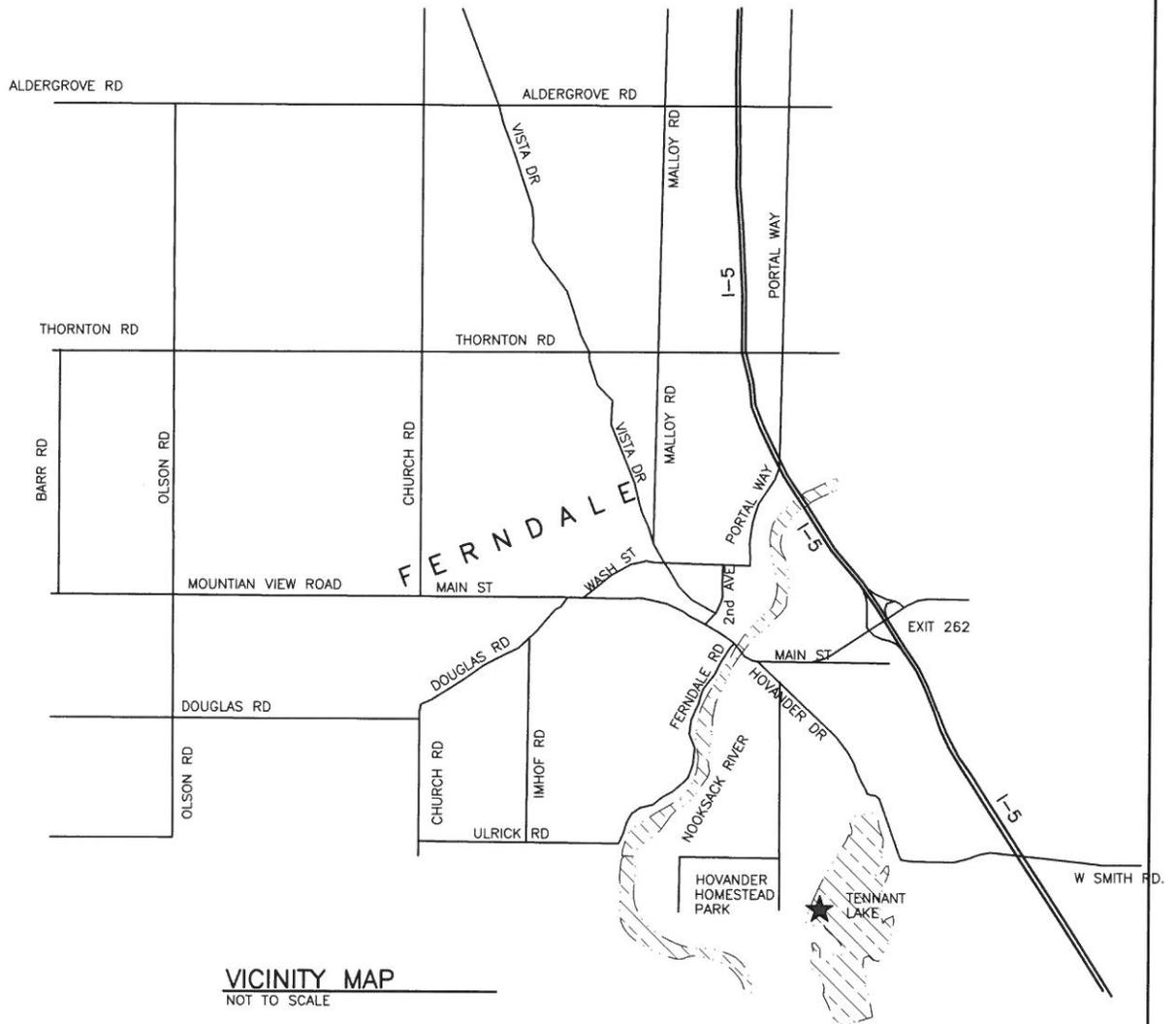




**STATE MAP**  
NOT TO SCALE



**VICINITY MAP**  
NOT TO SCALE

PURPOSE: BOARDWALK MAINTENANCE

WASHINGTON DEPT. of FISH & WILDLIFE  
600 CAPITOL WAY N.  
OLYMPIA, WA 98501-1091

PROPOSED: BOARDWALK MAINTENANCE

VICINITY MAP

DATUM: ASSUMED

ADJACENT PROPERTY OWNER:

1. WDFW
2. WHATCOM COUNTY

ENG. PROJECT NO. WM:R006:14-1

REFERENCE NO. \_\_\_\_\_

SITE: **TENNANT LAKE**  
ADDRESS: **HOVANDER HOMESTEAD PARK  
NEILSEN ROAD, FERNDAL**

IN: TENNANT LAKE

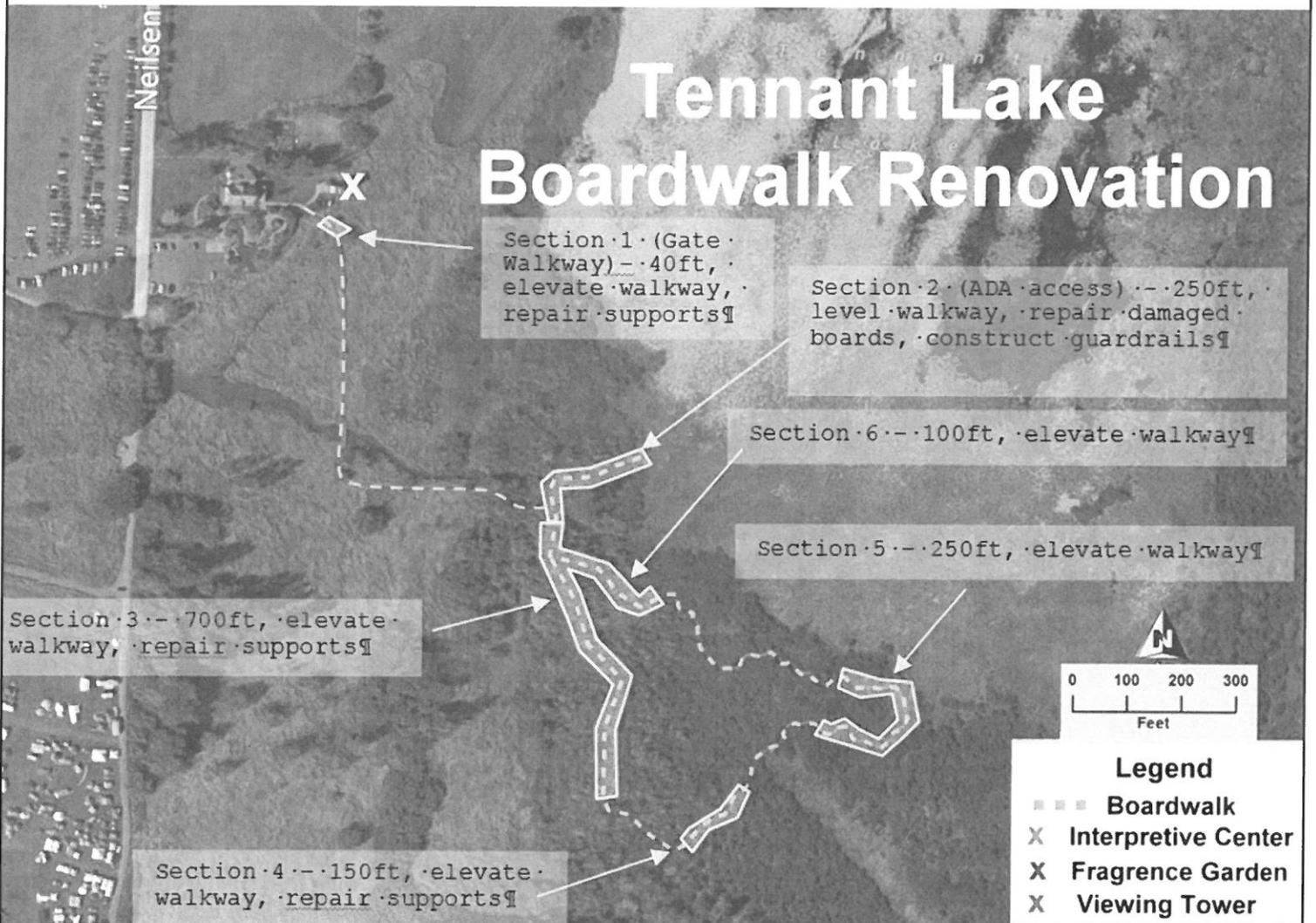
NEAR: FERNDAL

COUNTY OF: WHATCOM STATE: WA

PORTION OF: SEC.32, T39N, R2E

DATE: 07/21/2014 SHEET 1 OF 7

# Tennant Lake Boardwalk Renovation



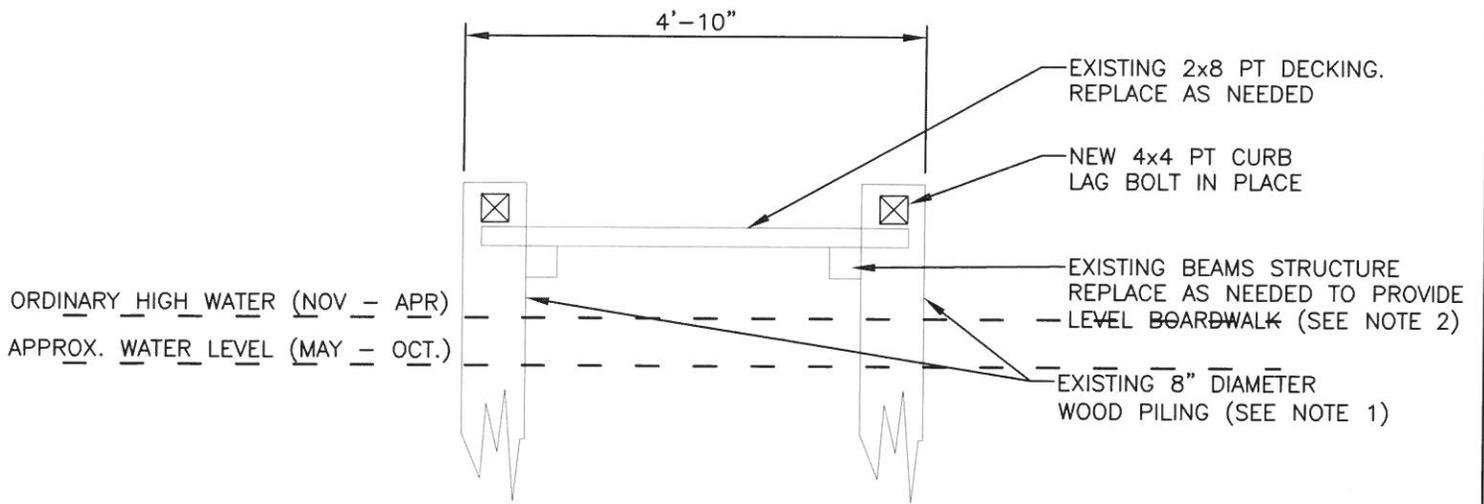
## SITE PLAN

SCALE: NONE

### NOTES:

- SECTION 1: 40' GATE BOARDWALK. INSTALL NEW 5' WIDE BOARDWALK WITH CURBS ABOVE EXISTING TRAIL.
- SECTION 2: 250' LONG ADA SPUR TRAIL. REPAIR DAMAGED 5' WIDE BOARDWALK. LEVEL WALKWAY AND REPLACE DAMAGED BOARDS AND PILES AS NEEDED. ADD 4x4 CURBING FULL LENGTH. REPLACE VIEW AREA DECKING WITH GRATED DECKING, REPLACE RAILING.
- SECTION 3: 700' LONG BOARDWALK. ELEVATE WALKWAY AND REPAIR SUPPORTS.
- SECTION 4: 150' LONG BOARDWALK. ELEVATE WALKWAY AND REPAIR SUPPORTS.
- SECTION 5: 250' LONG BOARDWALK. ELEVATE WALKWAY. GRATE DECK OF OPEN WATER VIEW PLATFORM PER DETAIL .
- SECTION 6: 100' LONG BOARDWALK. ELEVATE WALKWAY.

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>TENNANT LAKE</b> BOARDWALK MAINTENANCE SITE PLAN
AT: <u>FERNDAL</u> , _____, WASHINGTON
DATE: <u>07/21/2014</u> SHEET <u>2</u> OF <u>7</u>



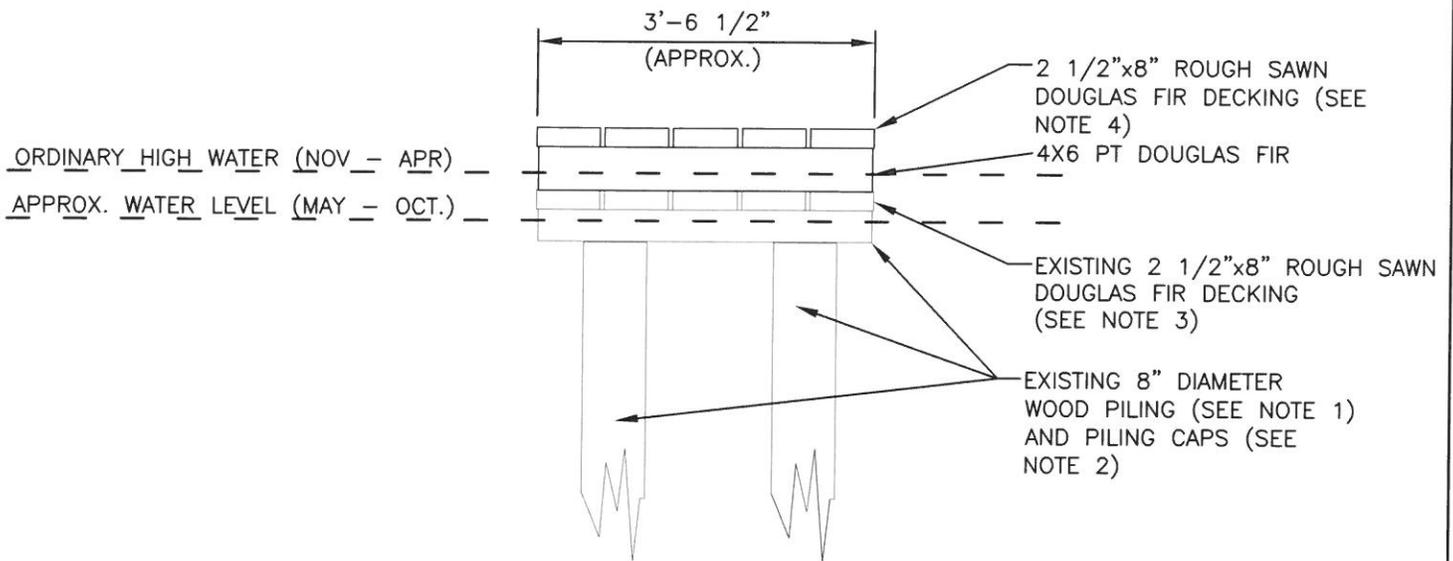
## TYPICAL SECTION AT PILING

SCALE: 1/2" = 1'-0"

**NOTES:**

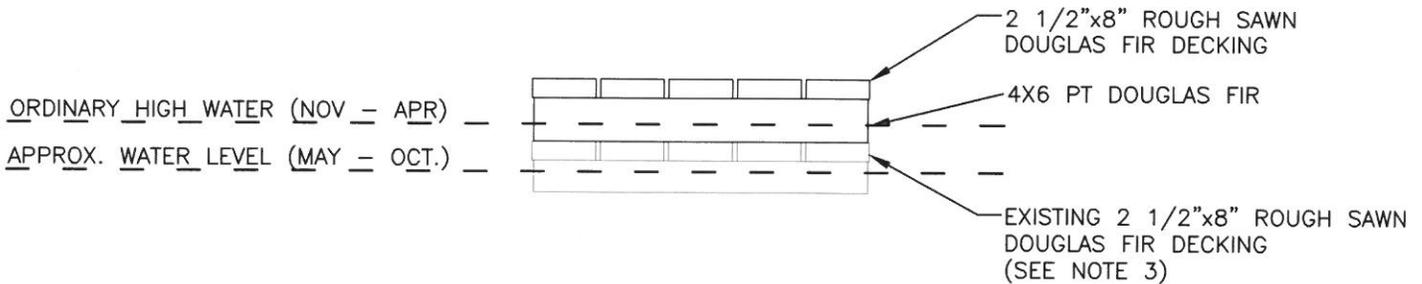
1. REPLACE LOSE OR DAMAGED PILING WITH NEW 8" DIA. x 10' LONG WOOD PILES.
2. REPLACE DAMAGED OR NON-LEVEL BEAMS WITH NEW 4x6 BEAMS. NON-LEVEL BEAMS MAY ALSO BE SHIMMED TO LEVEL.

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>TENNANT LAKE</b> BOARDWALK MAINTENANCE TYPICAL SECTIONS
AT: FERNDALE, _____, WASHINGTON
DATE: 07/21/2014 SHEET 3 OF 7



### TYPICAL SECTION AT PILING

SCALE: 1/2" = 1'-0"



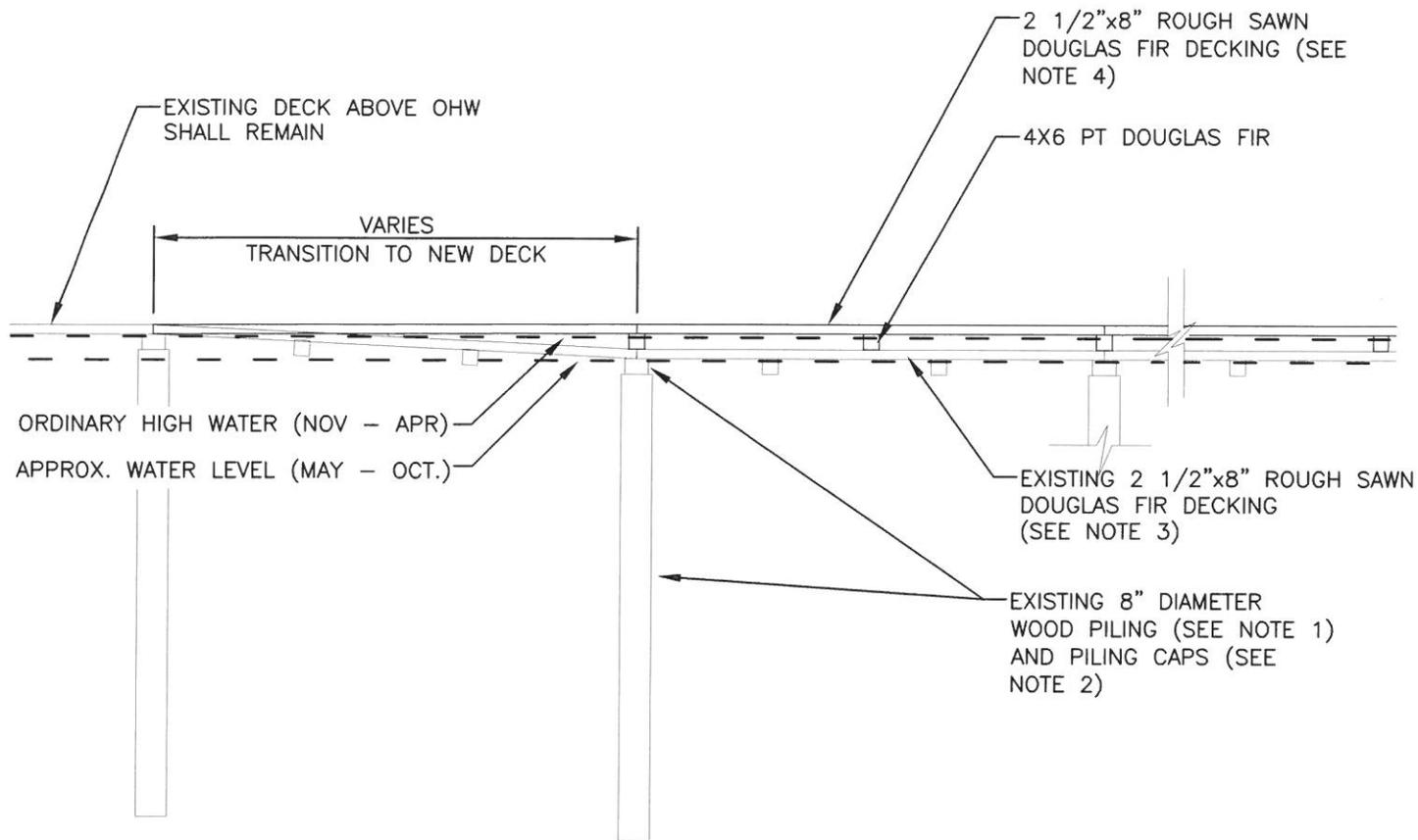
### TYPICAL SECTION BETWEEN PILING

SCALE: 1/2" = 1'-0"

**NOTES:**

1. REPLACE LOSE OR DAMAGED PILING WITH NEW 8" DIA. x 10' LONG WOOD PILES.
2. REPLACE DAMAGED OR NON-LEVEL PILE CAPS WITH NEW 4X6 BEAMS AND 6"x5/8" HDG LAG BOLTS. NON-LEVEL BEAMS MAY ALSO BE SHIMMED TO LEVEL.
3. EXISTING DECKING SHALL BE REMOVED BETWEEN PILE CAPS WHEN STRUCTURALLY PERMISSIBLE.
4. DECKING SECURED TO SUPPORT BEAMS WITH 40 OR 50 PENNY HDG NAILS.

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>TENNANT LAKE</b> BOARDWALK MAINTENANCE TYPICAL SECTIONS
AT: FERDALE, _____, WASHINGTON
DATE: 07/21/2014 SHEET 4 OF 7



## TYPICAL BOARDWALK PROFILE

SCALE: 1/4" = 1'-0"

**NOTES:**

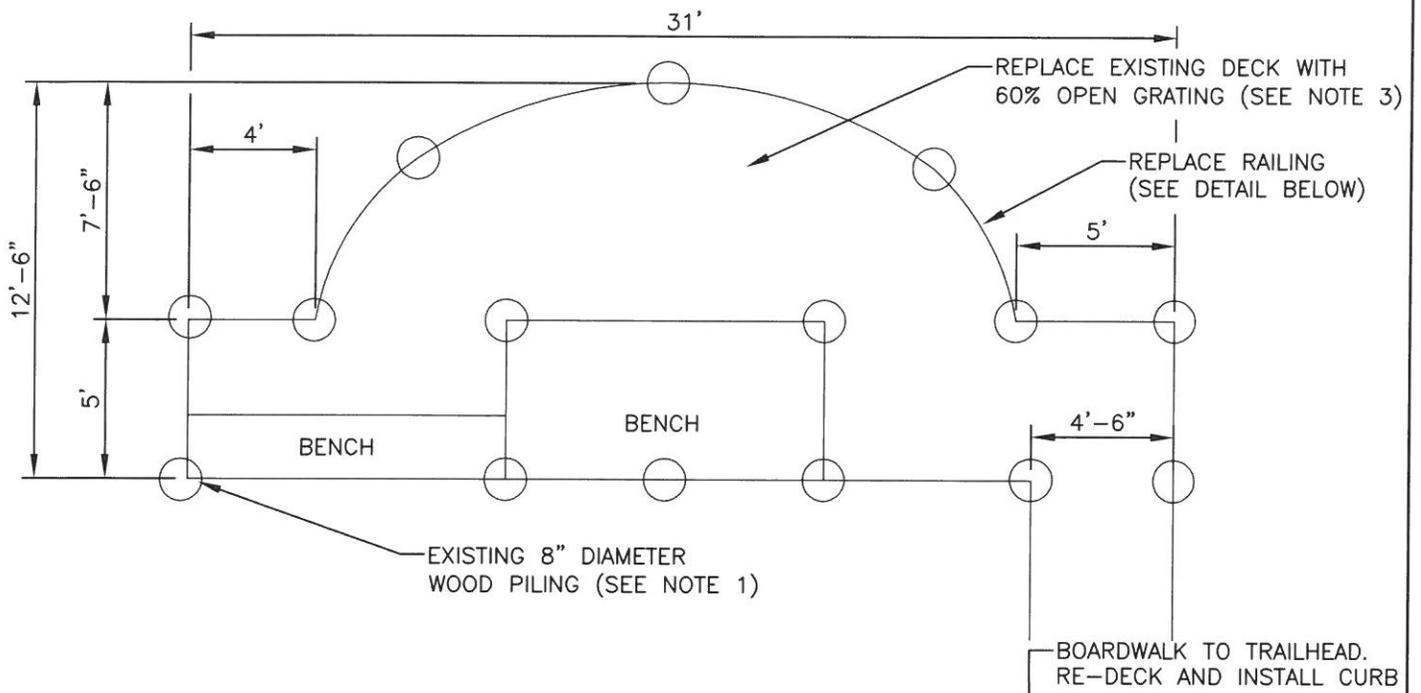
1. REPLACE LOSE OR DAMAGED PILING WITH NEW 8" DIA. x 10' LONG WOOD PILES.
2. REPLACE DAMAGED OR NON-LEVEL PILE CAPS WITH NEW 4X6 BEAMS AND 6"x5/8" HDG LAG BOLTS. NON-LEVEL BEAMS MAY ALSO BE SHIMMED TO LEVEL.
3. EXISTING DECKING SHALL BE REMOVED BETWEEN PILE CAPS WHEN STRUCTURALLY PERMISSIBLE.
4. DECKING SECURED TO SUPPORT BEAMS WITH 40 OR 50 PENNY HDG NAILS.

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE

**TENNANT LAKE**  
BOARDWALK MAINTENANCE  
TYPICAL BOARDWALK PROFILE

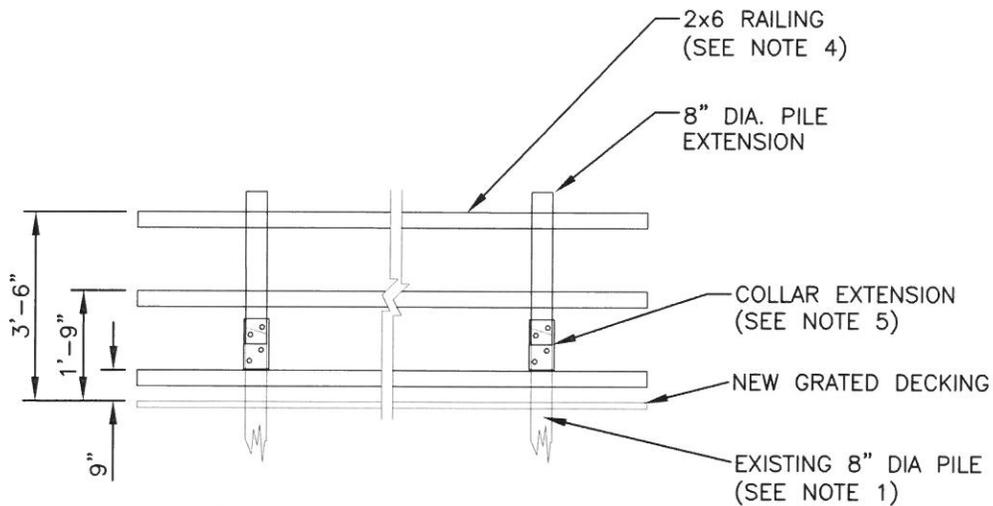
AT: FERNDAL, _____, WASHINGTON
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DATE: 07/21/2014	SHEET 5	OF 7
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## ADA SPUR PLATFORM

SCALE: 3/16" = 1'-0"



## RAILING DETAIL

SCALE: 1/NONE

### NOTES:

1. REPLACE LOSE OR DAMAGED PILING WITH NEW 8" DIA. x 10' LONG WOOD PILES.
2. REPLACE DAMAGED OR NON-LEVEL BRACING, AND ADD BRACES TO REDUCE SPANS IF NEED, TO MEET LOAD REQUIREMENTS PER GRATING MANUFACTURER REQUIREMENTS.
3. EXISTING DECKING SHALL BE REMOVED. REPLACE WITH FIBERGLASS EXTRUDED GRATING SIMILAR TO "DURAGRID STRONGWELL R6200" 1" BAR (60% OPEN AREA, 1/2" GAP). DECKING SECURED TO SUPPORT BEAMS WITH MANUFACTURER SUPPLIED CLIPS.
4. EXTEND PILES FOR RAILING USING HDG COLLAR AND (8) 4"x5/8" LAG BOLTS INSTALLED ON DIAGONAL QUADRANT SPACING.

REFERENCE NO. \_\_\_\_\_

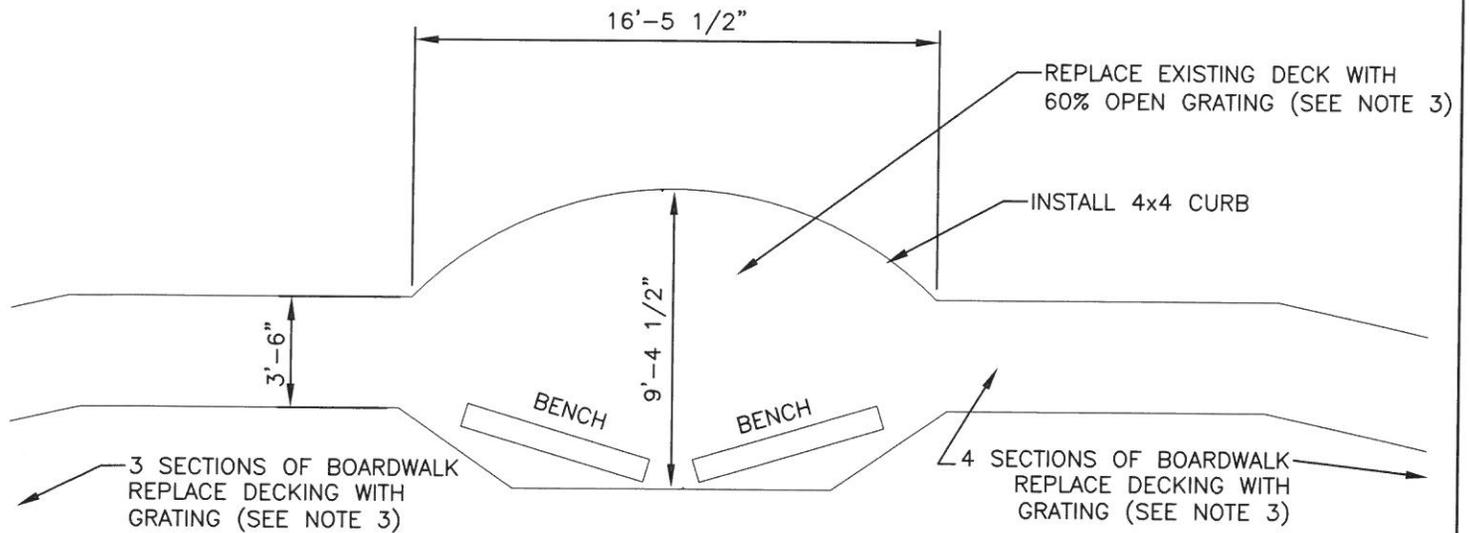
APPLICANT:

WASHINGTON DEPT. of FISH & WILDLIFE

TENNANT LAKE  
BOARDWALK MAINTENANCE  
TYPICAL SECTIONS

AT: FERNDAL, \_\_\_\_\_, WASHINGTON

DATE: 07/21/2014 SHEET 6 OF 7



## OPEN WATER VIEW PLATFORM

SCALE: 3/16" = 1'-0"

**NOTES:**

1. REPLACE LOSE OR DAMAGED PILING WITH NEW 8" DIA. x 10' LONG WOOD PILES.
2. REPLACE DAMAGED OR NON-LEVEL BRACING, AND ADD BRACES TO REDUCE SPANS IF NEED, TO MEET LOAD REQUIREMENTS PER GRATING MANUFACTURER REQUIREMENTS.
3. EXISTING DECKING SHALL BE REMOVED. REPLACE WITH FIBERGLASS EXTRUDED GRATING SIMILAR TO "DURAGRID STRONGWELL R6200" 1" BAR (60% OPEN AREA, 1/2" GAP). DECKING SECURED TO SUPPORT BEAMS WITH MANUFACTURER SUPPLIED CLIPS.

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>TENNANT LAKE</b> BOARDWALK MAINTENANCE OPEN WATER VIEW PLATFORM
AT: FERNDALE, _____, WASHINGTON
DATE: 07/21/2014      SHEET 7 OF 7