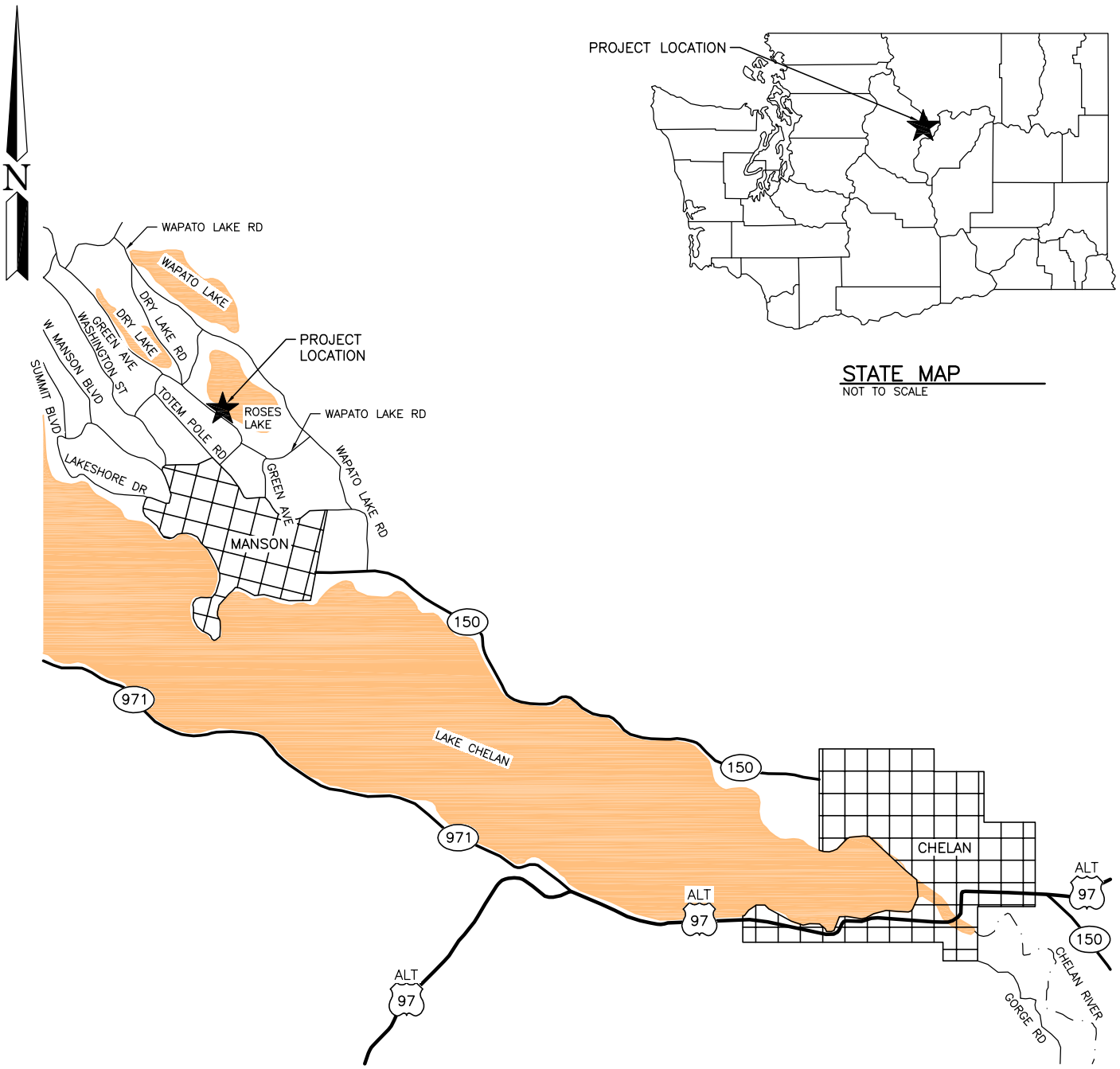


STATE MAP
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

DIRECTIONS
FROM WENATCHEE, TAKE HWY 2/HWY 97 TOWARDS CHELAN. STAY ON HWY 2/HWY 97 FOR ABOUT 39 MILES. JUST AFTER CROSSING THE COLUMBIA RIVER, TURN LEFT ONTO WA–150 TOWARDS CHELAN. IN CHELAN TURN RIGHT ONTO N SANDERS ST, AND TAKE THE NEXT LEFT ONTO E JOHNSON AVE/WA–150. STAY ON WA–150 FOR ABOUT 6 MILES. TURN RIGHT ONTO WAPATO LAKE RD. TURN LEFT ONTO ROSES AVE AND CONTINUE ONTO GREEN AVE. DESTINATION WILL BE ON THE RIGHT.

PARCEL NUMBER: 282126613032

PARCEL SIZE: 7.84 ACRES

ENG. PROJECT NO. CN:A44:2019–1

PORTION OF: SEC 26, T28N, R21E

DRAWN BY: J. LONG

REFERENCE NUMBER:

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

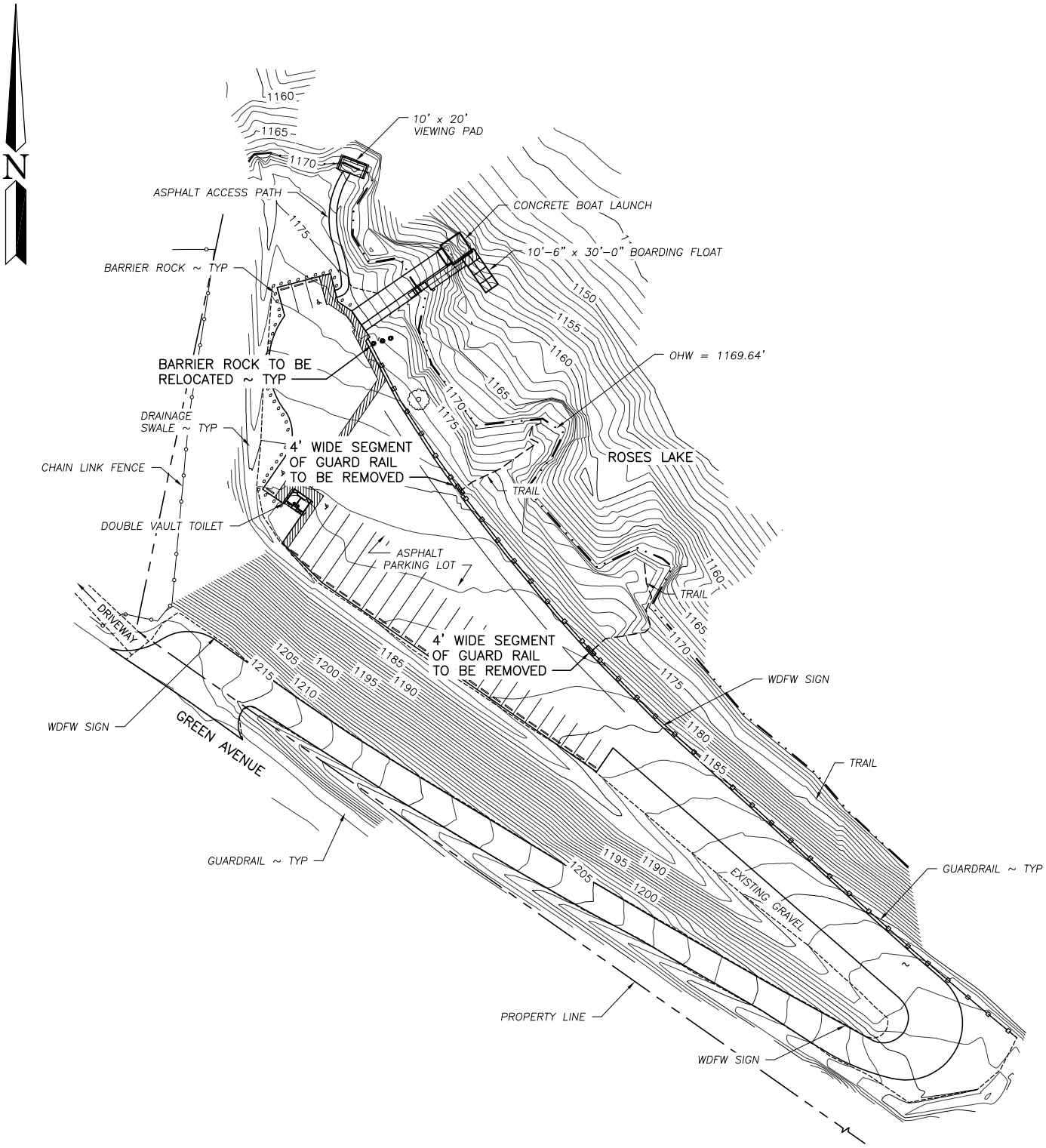
ADJACENT PROPERTY OWNER:
1. DAVID LEWMAN
2 JIM WRIGHT

PROJECT LOCATION (ADDRESS):
ROSES LAKE
2620 GREEN AVE
MANSON, WA 98831

LAT/LONG: N47.902277 / W120.158344
DATUM: NAVD 88
SHEET 1 OF 9 DATE: 02/07/2020

PROPOSED PROJECT:
FISHING PLATFORMS

IN: ROSES LAKE
NEAR/AT: MANSON
COUNTY: CHELAN
STATE: WA



0 50 100
25 75 150
SCALE: 1" = 100'

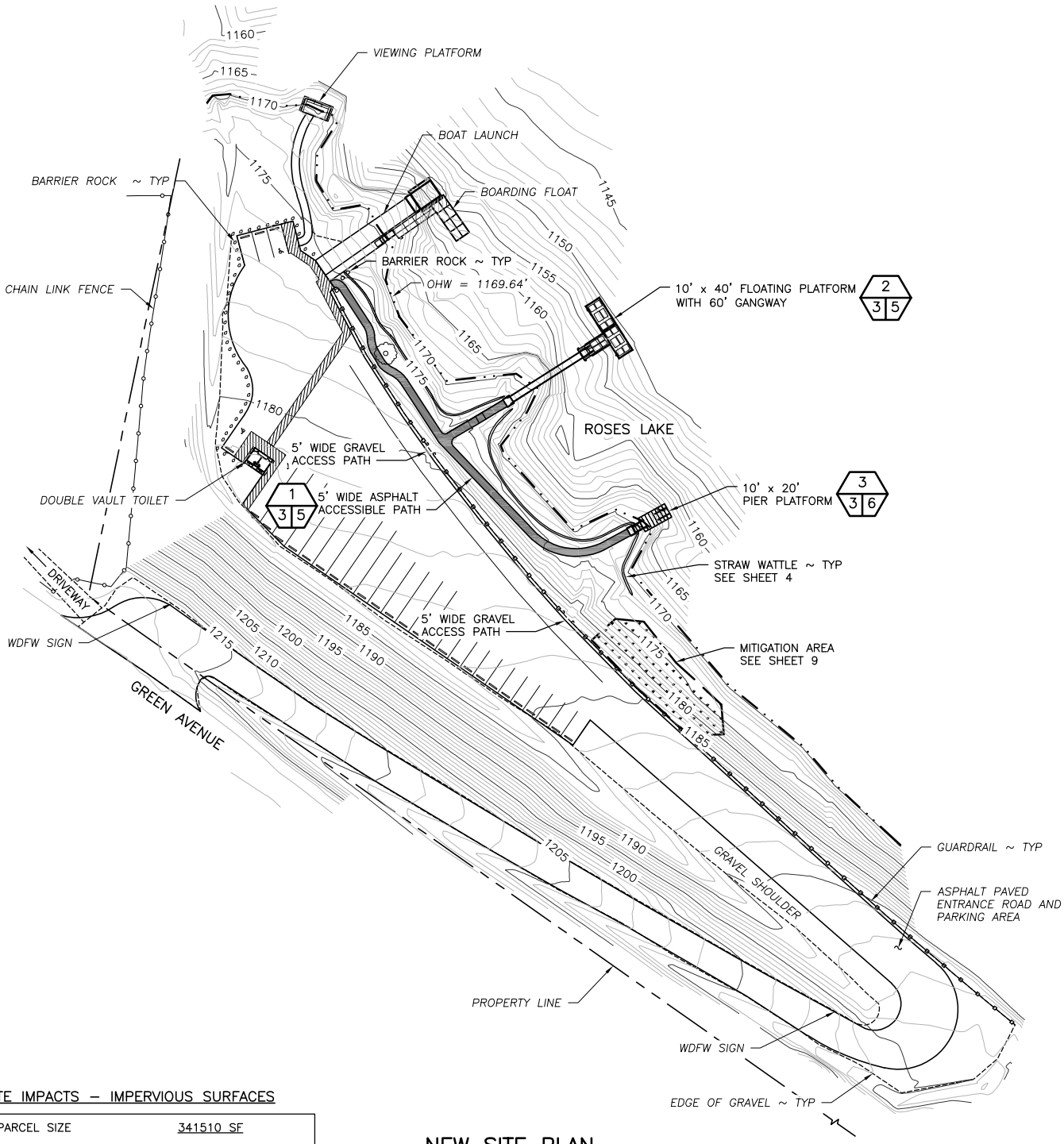
EXISTING & DEMOLITION SITE PLAN

SCALE: 1" = 100'

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE
SHEET 2 OF 9 DATE: 02/07/2020

ENG. PROJECT NO. CN:A44:2019-1

DRAWN BY: J. LONG



SITE IMPACTS – IMPERVIOUS SURFACES

TOTAL PARCEL SIZE	341510 SF	
EXISTING GRAVEL AREAS	7700 SF	
EXISTING ASPHALT AREAS	58010 SF	
TOTAL EXISTING IMPERVIOUS	65710 SF	19.24%
PROPOSED GRAVEL TRAILS	345 SF	
PROPOSED ASPHALT TRAILS	1710 SF	
PROPOSED CONCRETE ABUTMENTS	60 SF	
TOTAL PROPOSED IMPERVIOUS	2115 SF	19.86%

NEW SITE PLAN

SCALE: 1" = 100'

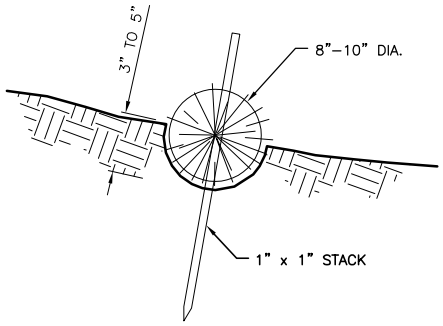
0 50 100
25 75 150

SCALE: 1" = 100'

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE
SHEET 3 OF 9 DATE: 02/07/2020

ENG. PROJECT NO. CN:A44:2019-1

DRAWN BY: J. LONG



STRAW WATTLE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

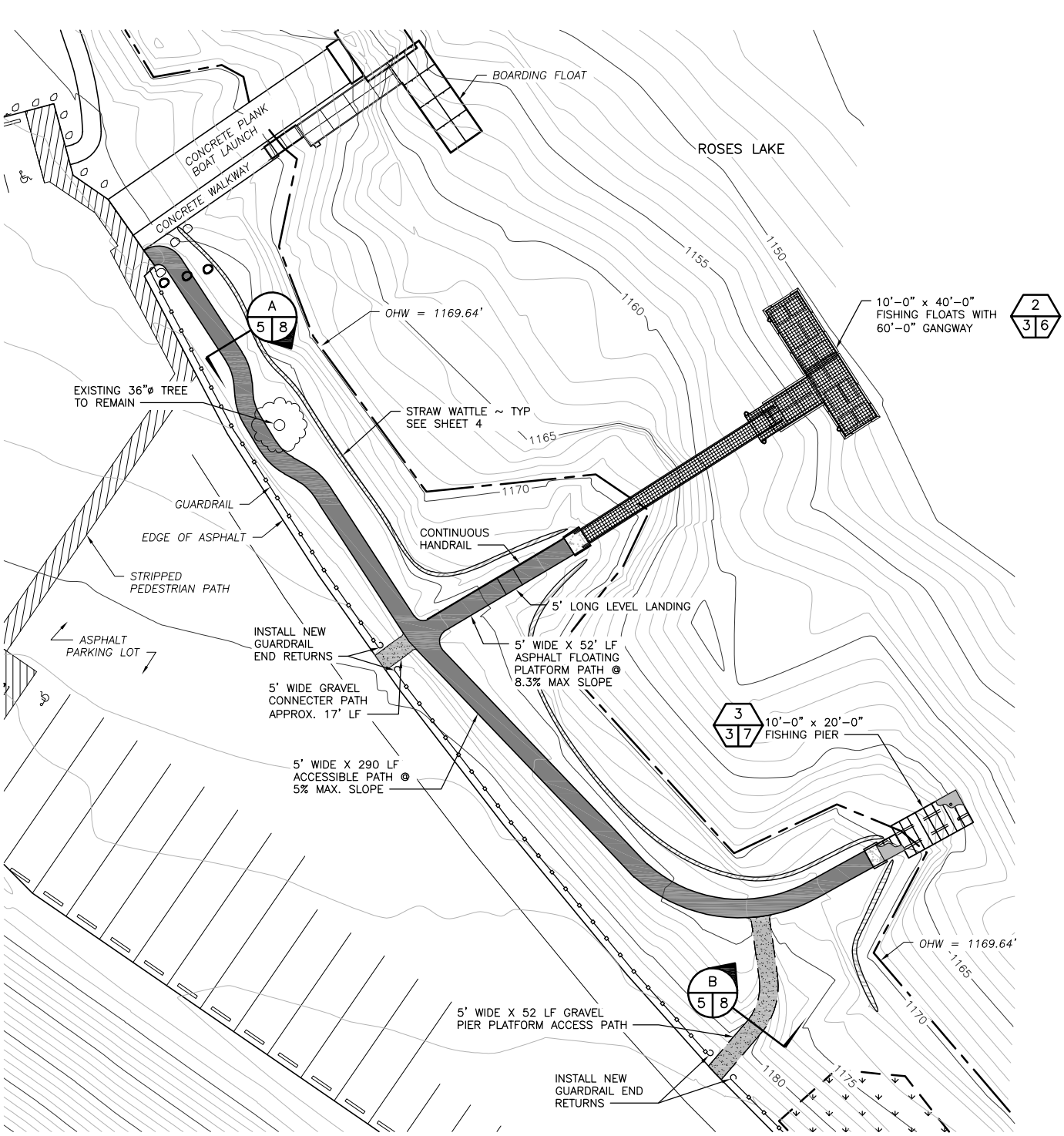
1. PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED.
2. SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
4. IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
5. START BUILDING TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
6. CONSTRUCT TRENCHES AT CONTOUR INTERVALS OF 3–12 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES. 1:1=10' 2:1=20' 3:1=30' 4:1=40'
7. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
8. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES.
9. DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.
10. IF USING WILLOW STAKES REFER TO LIVE STAKING BEST MANAGEMENT PRACTICES.
11. INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE. ADDITIONAL STAKES MAY BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY EROSIVE OR VERY STEEP SLOPES.
12. INSPECT THE STRAW ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL.
13. REPAIR ANY RILLS OR GULLYS PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE

ENG. PROJECT NO. CN:A44:2019–1

DRAWN BY: J. LONG

SHEET 4 OF 9 DATE: 02/07/2020



0 20 40
10 30 60
SCALE: 1" = 40'

ACCESSIBLE TRAIL

SCALE: 1" = 40'

1
3 5

ACCESS PATHS CUT AND FILL DATA cu.yd.		
SITE	CUT ABOVE OHW	FILL ABOVE OHW
CSTC FOR GRAVEL PATHS	4.25	4.25
NATIVE SOILS FOR GRAVEL PATHS	0.87	12.85
CSBC FOR ASPHALT PATHS	8.44	8.44
CSTC FOR ASPHALT PATHS	10.50	10.50
3" HMA FOR ASPHALT PATHS	15.83	15.83
NATIVE SOILS ASPHALT PATHS	33.65	22.43

ENG. PROJECT NO. CN:A44:2019-1

DRAWN BY: J. LONG

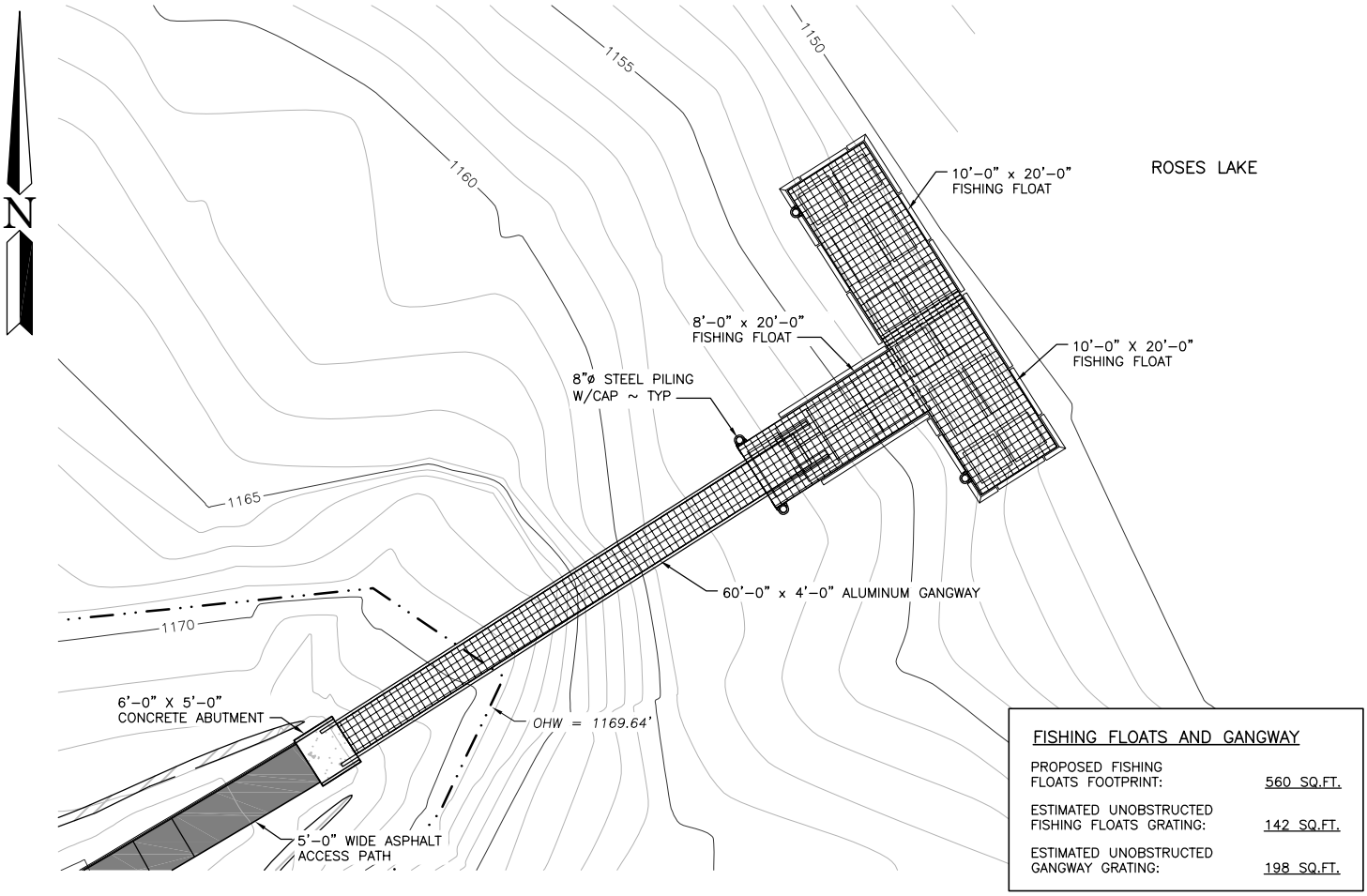
REFERENCE NUMBER:

APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:
FISHING PLATFORMS

LOCATION: ROSES LAKE

SHEET 5 OF 9 DATE: 02/07/2020

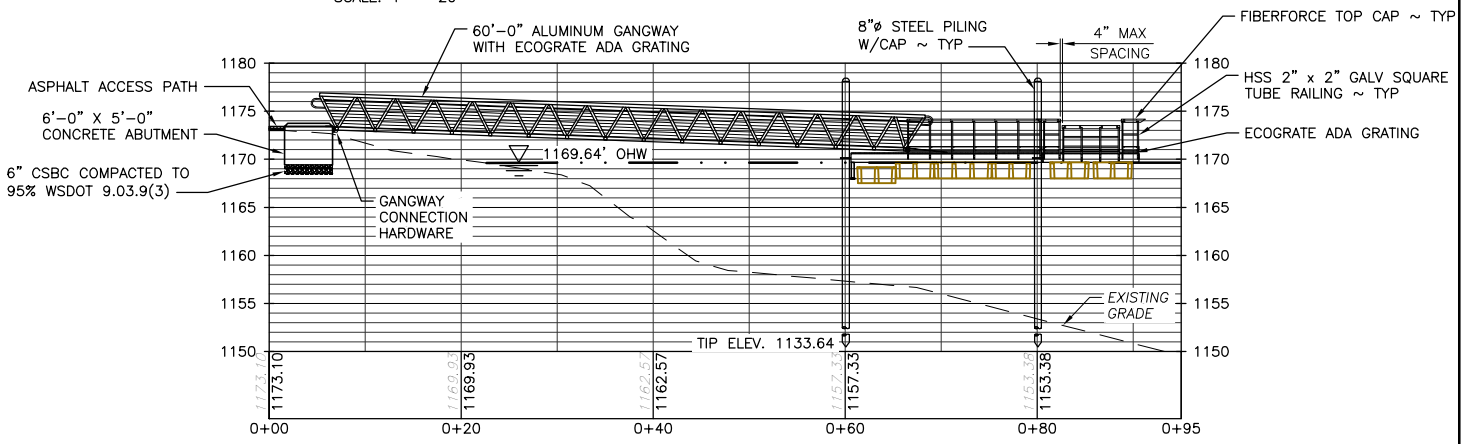


0 10 20
5 15 30
SCALE: 1" = 20'

FISHING FLOAT PLAN

SCALE: 1" = 20'

2
3 6



0 10 20
5 15 30
SCALE: 1" = 20'

FISHING FLOATS PROFILE

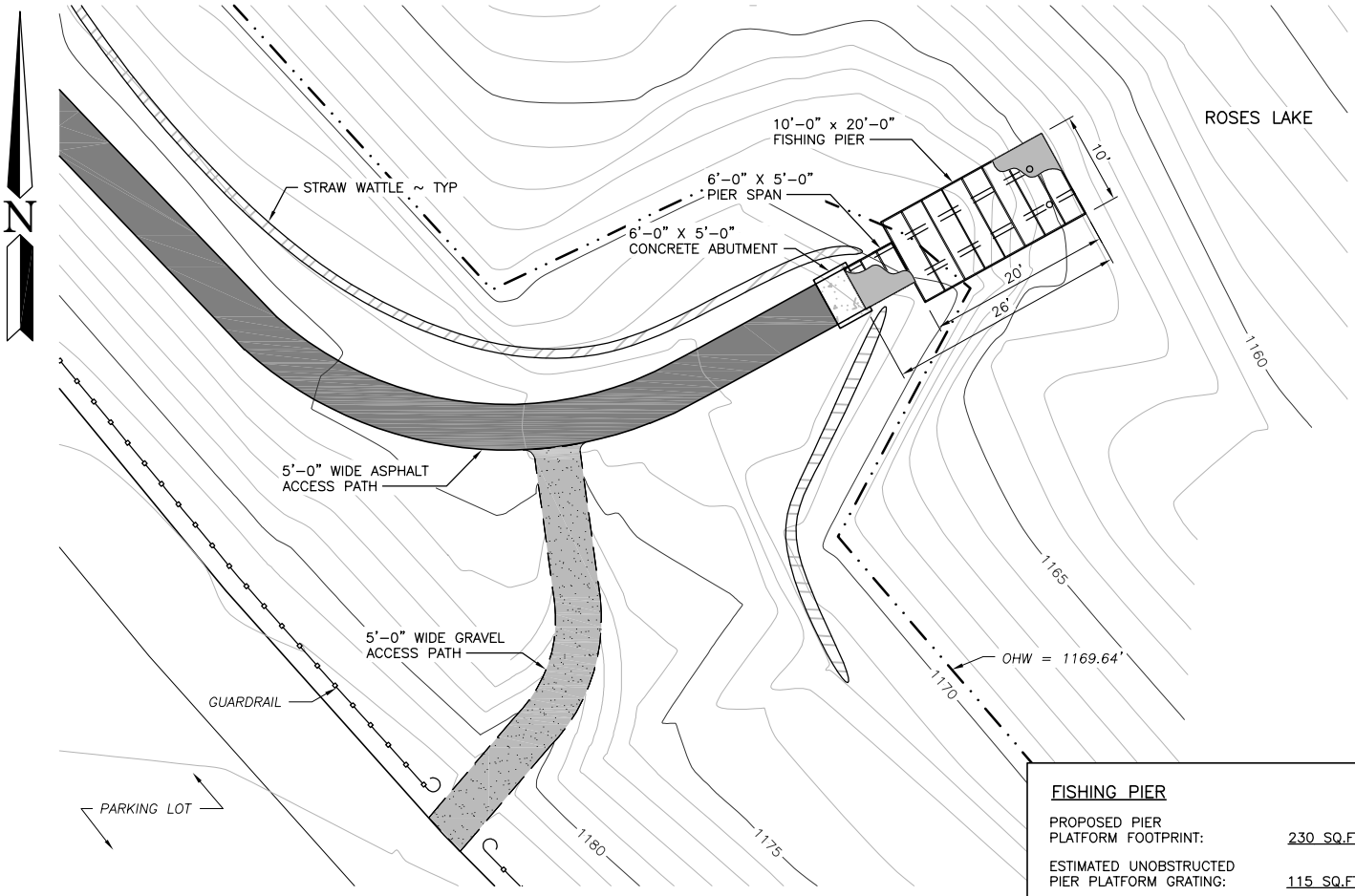
SCALE: 1" = 20'

ABUTMENT CUT & FILL DATA cu.yd.		
MATERIAL	CUT ABOVE OHW	FILL ABOVE OHW
CONCRETE	4.24	4.44
GRAVEL CSBC	0.00	0.56
NATIVE SOIL	0.76	0.00
TOTAL CUT/FILL	5.00	5.00

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE
SHEET 6 OF 9 DATE: 02/07/2020

ENG. PROJECT NO. CN:A44:2019–1

DRAWN BY: J. LONG



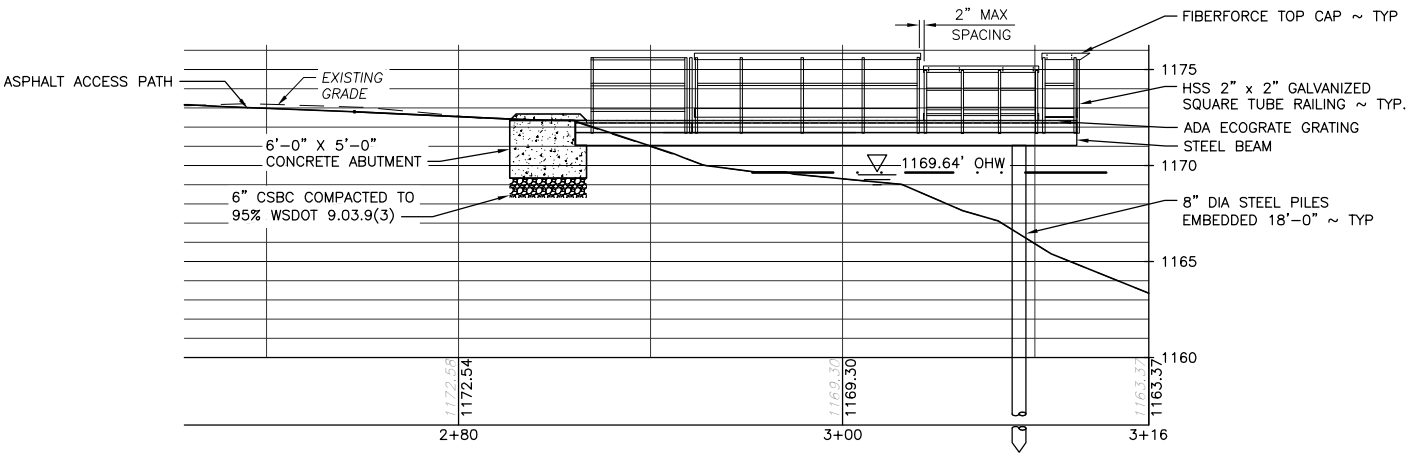
FISHING PIER	
PROPOSED PIER PLATFORM FOOTPRINT:	230 SQ.FT.
ESTIMATED UNOBSTRUCTED PIER PLATFORM GRATING:	115 SQ.FT.
ESTIMATED UNOBSTRUCTED PIER PLATFORM FOOTPRINT OVER OHW:	107 SQ.FT.

0 10 20
5 15 30
SCALE: 1" = 20'

FISHING PIER PLAN

SCALE: 1" = 20'

2
3 7



0 10 20
5 15 30
SCALE: 1" = 20'

FISHING PIER PROFILE

SCALE: 1" = 20'

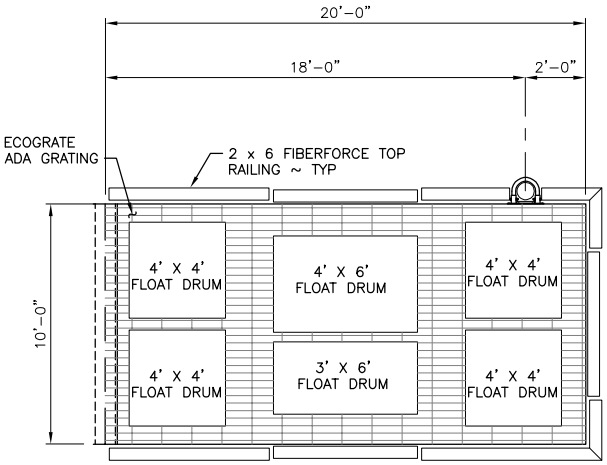
ABUTMENT CUT & FILL DATA cu.yd.		
MATERIAL	CUT ABOVE OHW	FILL ABOVE OHW
CONCRETE	4.24	4.44
GRAVEL CSBC	0.00	0.56
NATIVE SOIL	0.76	0.00
TOTAL CUT/FILL	5.00	5.00

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE
SHEET 7 OF 9 DATE: 02/07/2020

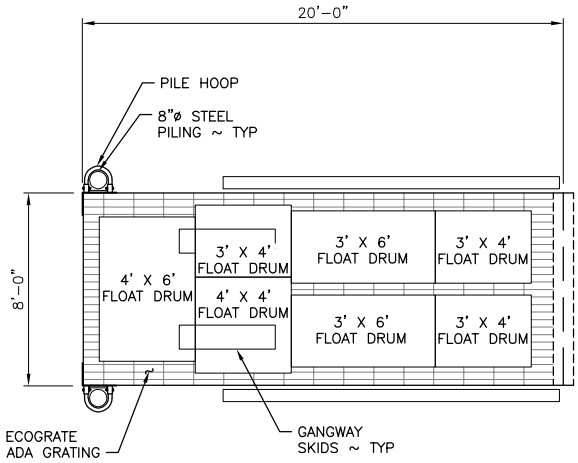
ENG. PROJECT NO. CN:A44:2019-1

DRAWN BY: J. LONG

FISHING FLOAT LIGHT PENETRATION DATA				
FLOATING PLATFORM SIZE	NUMBER OF FLOATING PLATFORMS	OBSTRUCTED SURFACE GRATING (SQ.FT.)	UNOBSTRUCTED SURFACE GRATING (SQ.FT.)	UNOBSTRUCTED SURFACE GRATING (%)
10' X 20'	2	112	94	47%
8' X 20'	1	106	48	30%

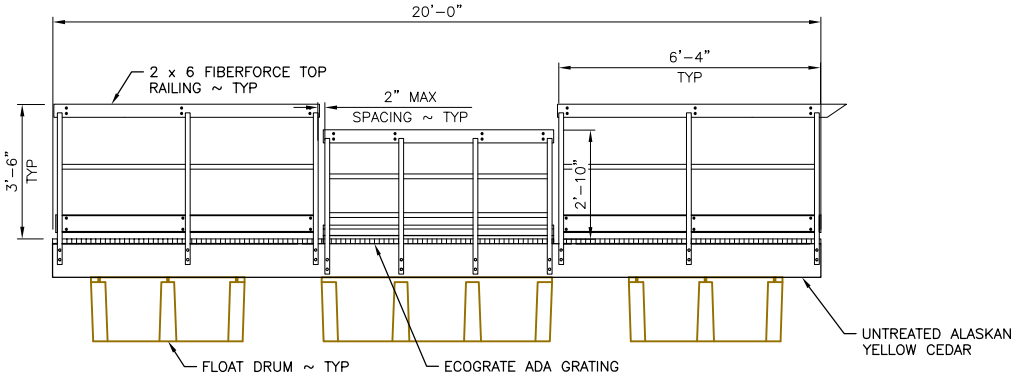


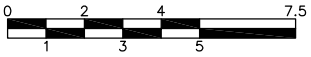
10' X 20' FLOAT
DRUM AREA = 106 SQ FT



8' X 20' FLOAT
DRUM AREA = 112 SQ FT

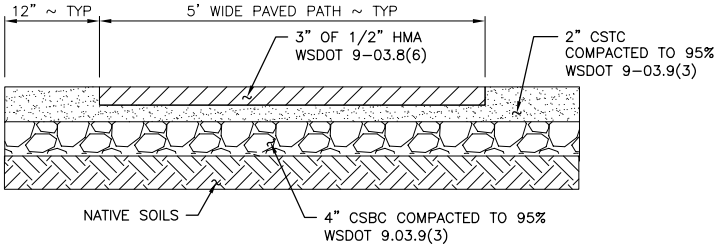
FISHING FLOATS PLAN
SCALE: 1" = 8'





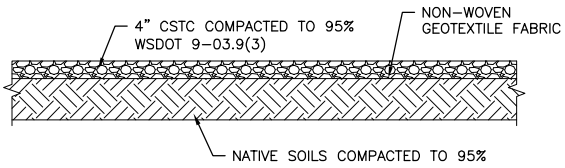
SCALE: 1" = 5'

TYPICAL FISHING FLOAT ELEVATION
SCALE: 1" = 5'



TYPICAL ASPHALT SECTION
NOT TO SCALE

A
5 | 8



TYPICAL GRAVEL SECTION
NOT TO SCALE

B
5 | 8

REFERENCE NUMBER:
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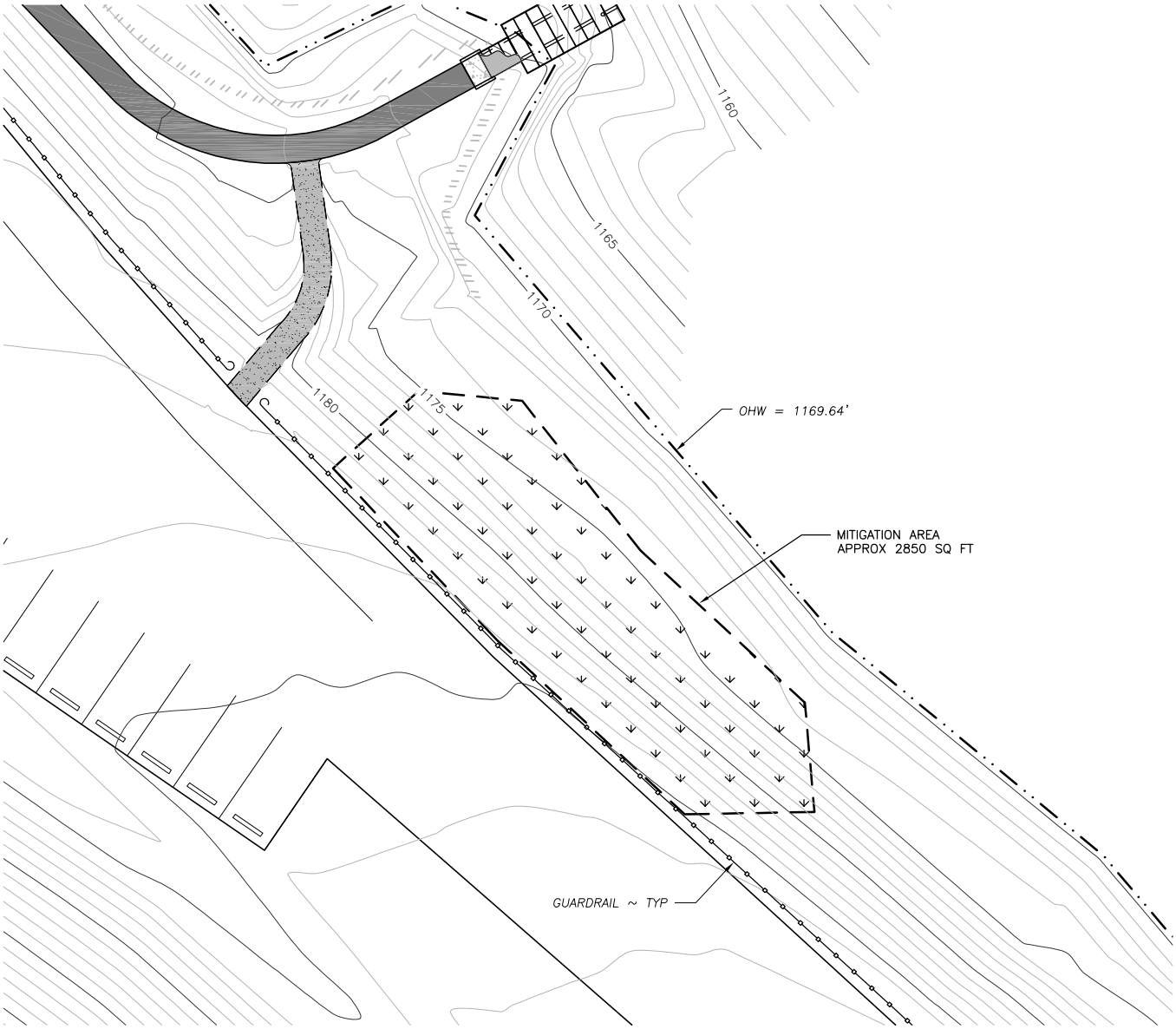
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE
SHEET 8 OF 9 DATE: 02/07/2020

ENG. PROJECT NO. CN:A44:2019–1

DRAWN BY: J. LONG

ROSES LAKE MITIGATION PLANTINGS				
SPECIES	SIZE	QUANTITY	SPACING	REMARKS
SERVICEBERRY	1 GAL	30	5 FT OC	FULL SUN TO PARTIAL SHADE; GROUPED
WOODS ROSE	1 GAL	30	5 FT OC	FULL SUN, WELL-DRAINED SOIL; GROUPED
MOCK ORANGE	1 GAL	30	5 FT OC	FULL SUN TO PARTIAL SUN, WELL-DRAINED SOIL; GROUPED
RED OSIER DOGWOOD	1 GAL	30	5 FT OC	FULL SUN TO PARTIAL SUN, WELL-DRAINED SOIL; GROUPED
OCEAN SPRAY	1 GAL	30	5 FT OC	FULL SUN, SOIL ADAPTABLE; GROUPED



0 10 20 30
5 15 25 45
SCALE: 1" = 30'

MITIGATION PLAN

SCALE: 1" = 30'

NOTES:

1. ALL INVASIVE PLANTS SPECIES TO BE REMOVED WITHIN MITIGATION AREA
2. NEW PLANTINGS TO BE INSTALLED WITHOUT DISTURBING EXISTING NATIVE PLANTS
3. INSTALL 2" BARK MULCH
4. SEE PLANTING SCHEDULE

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
FISHING PLATFORMS
LOCATION: ROSES LAKE
SHEET 9 OF 9 DATE: 02/07/2020

ENG. PROJECT NO. CN:A44:2019-1

DRAWN BY: J. LONG