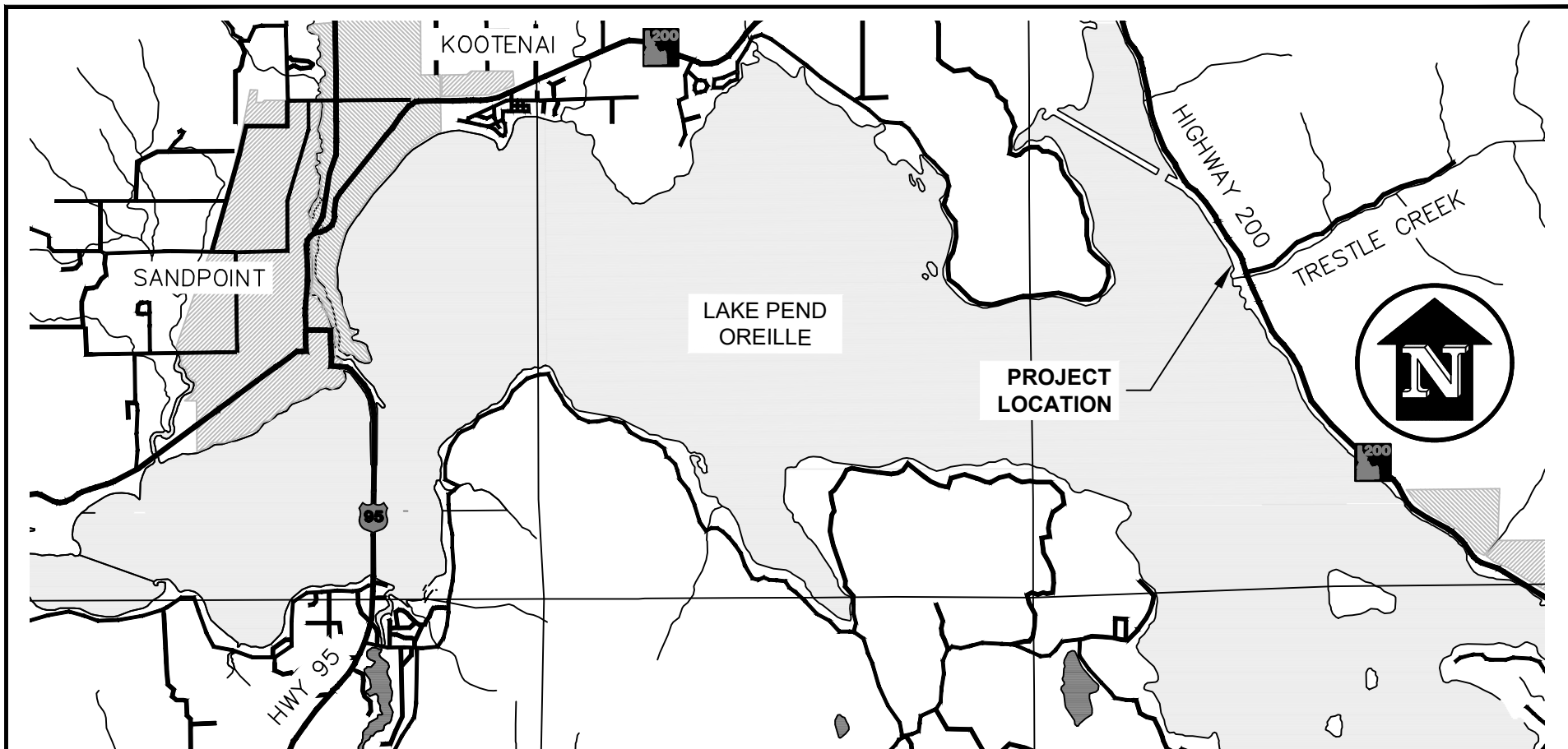




SHEET INDEX

SHEET #	SHEET TITLE
1	VICINITY MAP
2	EXISTING SITE CONDITIONS
3	EXCAVATION PLAN
4	SHORELINE PROTECTION PLAN
5	MARINA SITE PLAN
6	SITE CROSS SECTION
7	SHORELINE PROTECTION CROSS SECT.
8	DOCK PLAN
9	DOCK CROSS SECTION
10	BREAKWATER CROSS SECTION
11	BREAKWATER CROSS SECTION
12	BRIDGE CROSS SECTION
13	BOAT PUMP OUT STATION PLAN
14	BOAT PUMP OUT STATION DETAIL
15	PRELIMINARY SWPPP PHASE 1
16	PRELIMINARY SWPPP PHASE 2



APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: VICINITY MAP	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/JPJ
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
SHT 1 OF 16	

PLANNED UNIT DEVELOPMENT
PROPERTY LINE

ORDINARY HIGH WATER MARK (OHWM)
2062.5 NGVD '29
TOTAL LENGTH OF SHORELINE 4,370 LF

EXISTING DOCKS

A

A

EXISTING SIDE-TIE DOCKS

EXISTING BOAT RAMP
TO BE REMOVED

PLANNED UNIT
DEVELOPMENT
PROPERTY LINE

INTERSECTION OF OHW LINE
(2062.5) AND PROPERTY LINE

LITTORAL PROPERTY
LINE

OHW LINE (2062.5)

PROPERTY LINE

TRESTLE CREEK
MAIN CHANNEL

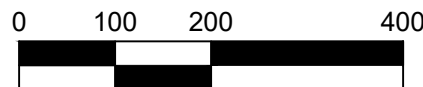
EXISTING CULVERTS

WETLAND BOUNDARY AS DELINEATED
BY TOM DUEBENDORFER 06/20/2022

EXISTING NORTH BRANCH OF
TRESTLE CREEK

APPROX. USACE FLOWAGE
EASEMENT BOUNDARY

NOTES:
THE ARTIFICIAL HIGH WATER MARK (ELEV 2062.5
NGVD 29) HAS BEEN NOTED ON THESE DRAWINGS
AS THE ORDINARY HIGH WATER MARK, AS
REQUESTED BY THE ACOE. THE ORDINARY HIGH
WATER MARK REFERENCED HEREIN DOES NOT
REPRESENT THE LAST NATURAL ORDINARY HIGH
WATER MARK (APPROX ELEV 2048) WHICH
IDENTIFIES FEE TITLE.



SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH
WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC
SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: EXISTING SITE CONDITIONS	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
	DRAWN: NCF/JPJ
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	
SHT 2 OF 16	



PROPOSED ISLAND, STREAM AND
BANK EXCAVATION ABOVE THE
ORDINARY HIGH WATER MARK



PROPOSED EXCAVATION AND
CONTOURING BELOW THE
ORDINARY HIGH WATER MARK

ORDINARY HIGH WATER MARK
(OHWM) 2062.5 NGVD '29

ESTIMATED AREA OF
EXCAVATION/CONTOURING

ORDINARY HIGH WATER
MARK 2062.5 (NGVD '29)

EXISTING PENINSULA

PLANNED UNIT
DEVELOPMENT
PROPERTY LINE

LOT 2
LOT 3

TRESTLE CREEK
MAIN CHANNEL

PLANNED UNIT DEVELOPMENT
PROPERTY LINE

EXISTING SLACK CHANNEL

UPLAND CONTOURING TO OBTAIN
A 3:1 SLOPE OR LESS (TYP)

ESTIMATED AREA OF
EXCAVATION/CONTOURING
BELOW THE OHWM

WETLAND BOUNDARY AS DELINEATED
BY TOM DUEBENDORFER 06/20/2022

EXISTING NORTH BRANCH OF
TRESTLE CREEK

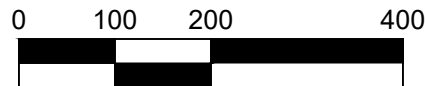
STREAM REALIGNMENT AND
RESTORATION (SEE PLANS
PREPARED BY RIVER DESIGN GROUP)

EXCAVATION ABOVE THE OHWM

LOCATION	AREA (SF) AT OHWM	VOLUME (CY) ABOVE OHWM
1	3,540	240
2	2,170	150
3	5,040	630
4	5,910	520
5	2,230	350
6	N/A	1,310
7	5,080	300
TL	23,970	3,500

EXCAVATION BELOW THE OHWM

LOCATION	AREA (SF) FIN GRADE	VOLUME (CY) BELOW OHWM
7	139,640	12,500



SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH
WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC
SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS

APPLICANT:	VALIANT IDAHO II, LLC
LOCATION:	BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.
WATERBODY:	LAKE PEND OREILLE
DA NUMBER:	
SHEET TITLE:	EXCAVATION PLAN
PROJECT:	IDAHO CLUB NORTH LAKE P.U.D.
DATE:	06/26/2024
SCALE:	AS SHOWN
DRAWN:	NCF/J.P.J.
CHECKED:	BSB
PROJ. NO.:	22043-20-001
CAD FILE:	E-VALIANT
SHT	3 OF 16

James A. Sewell and Associates, LLC
1319 N. DIVISION
SANDPOINT, IDAHO 83864, (208) 263-4160

-  PROPOSED FILL
(NATIVE MATERIAL)
-  VEGETATED SHORELINE
PROTECTION (RIP RAP)
-  NON-VEGETATED DOCK
HEADWALL (RIP RAP)
-  PROPOSED STREAM
RESTORATION

VEGETATED SHORELINE PROTECTION

LOCATION	LENGTH (LF)	AREA (SF)	VOLUME (CY) BELOW OHW	VOLUME (CY) ABOVE OHW
1	550	4,950	450	100
2	1,040	8,680	790	190
3	630	4,950	450	110
4	300	1,500	150	30
TL	2,520	20,080	1,840	430

NON-VEGETATED ROCK HEADWALL

LOCATION	LENGTH (LF)	AREA (SF)	VOLUME (CY) BELOW OHW	VOLUME (CY) ABOVE OHW
5	680	6,120	550	130
6	310	2,790	250	60
7	320	3,120	275	70
TL	1,310	12,030	1,075	260

NATIVE FILL MATERIAL

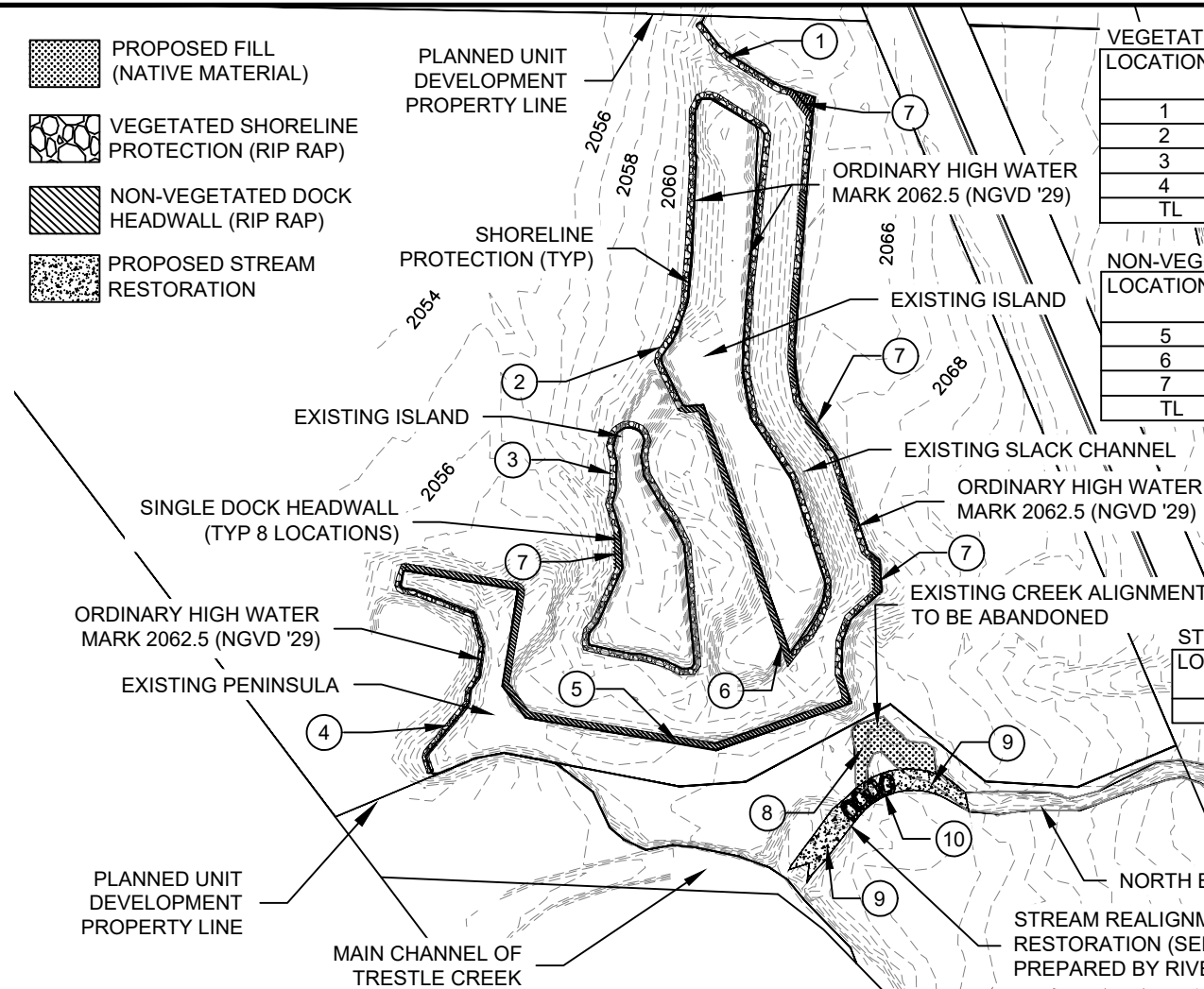
LOCATION	AREA (SF)	VOLUME (CY) BELOW OHW	VOLUME (CY) ABOVE OHW
8	3,640	N/A	300

STREAMBED FILL

LOCATION	AREA (SF)	(NO FILL BELOW THE OHWM)	JURISDICTIONAL FILL (CY)
9	5,080	N/A	90

CAT-1 AND CAT-2 ROCK (STEP POOLS)

LOCATION	AREA (SF)	VOLUME (CY) BELOW OHW	VOLUME (CY) ABOVE OHWM
10	1,450	N/A	130



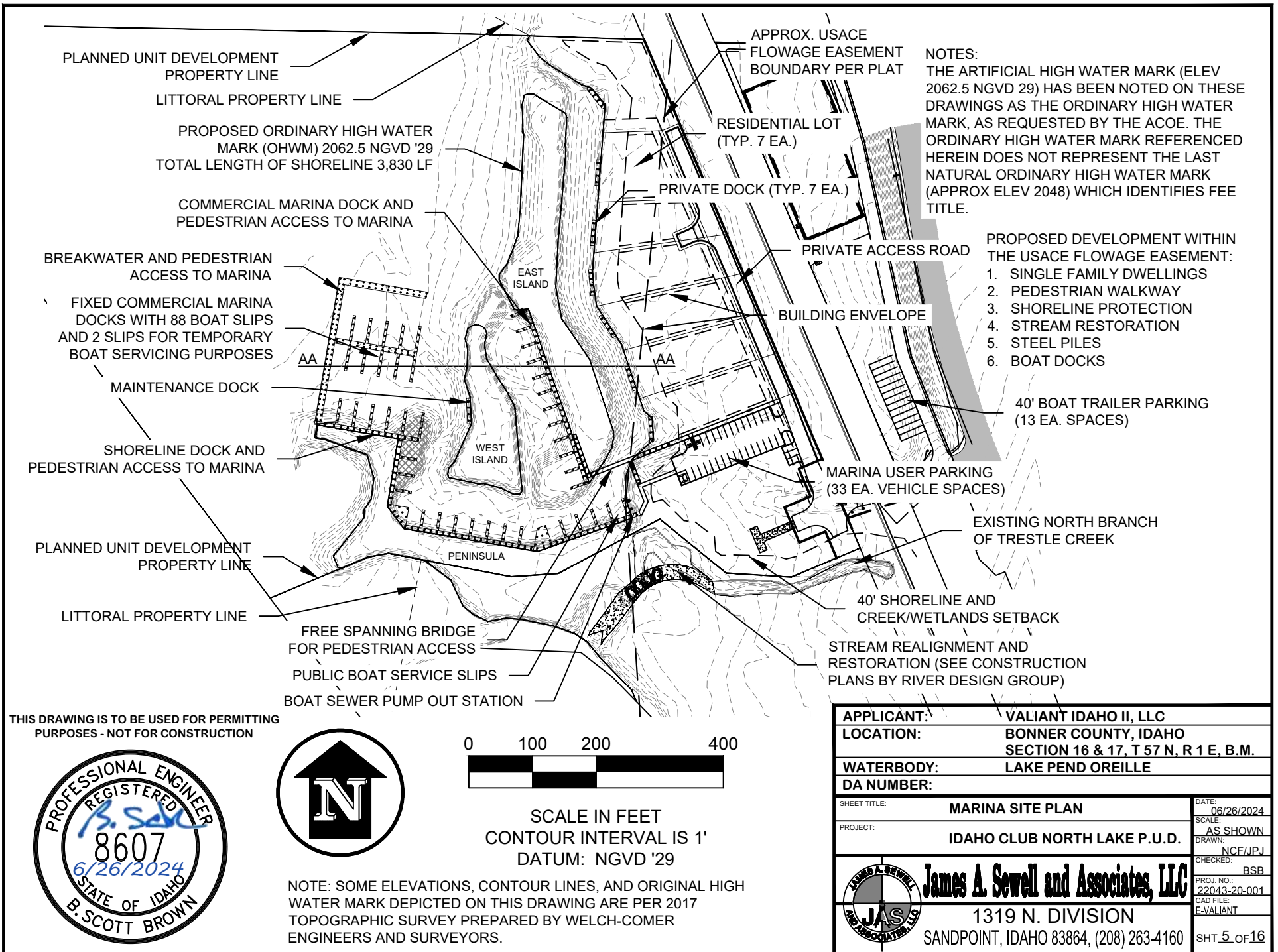
SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

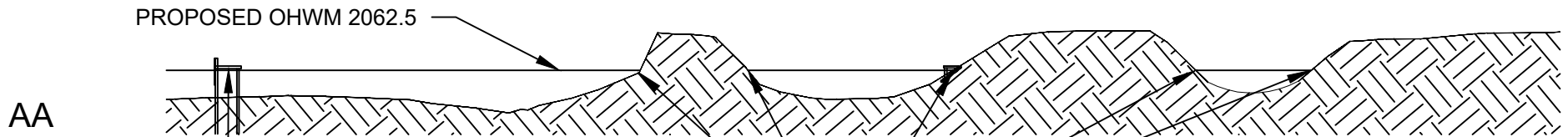
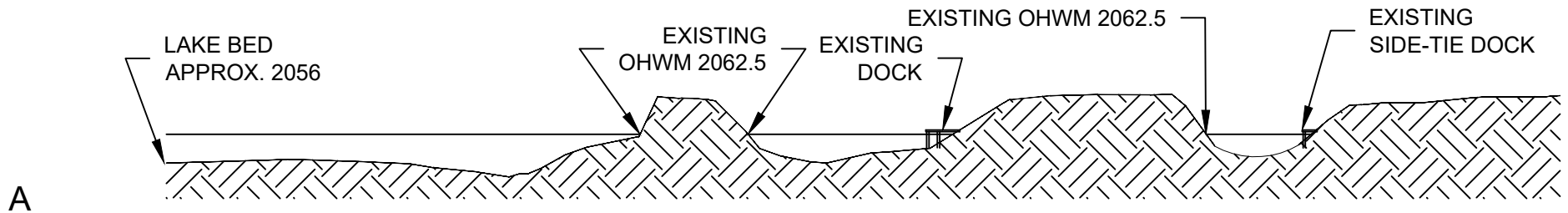
NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS

APPLICANT:	VALIANT IDAHO II, LLC
LOCATION:	BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.
WATERBODY:	LAKE PEND OREILLE
DA NUMBER:	
SHEET TITLE:	SHORELINE PROTECTION PLAN
PROJECT:	IDAHO CLUB NORTH LAKE P.U.D.
DATE:	06/26/2024
SCALE:	AS SHOWN
DRAWN:	NCF/J.P.J.
CHECKED:	BSB
PROJ. NO.:	22043-20-001
CAD FILE:	E-VALIANT
SHT. 4 OF 16	



James A. Sewell and Associates, LLC
1319 N. DIVISION
SANDPOINT, IDAHO 83864, (208) 263-4160





BREAKWATER
SECTION A
SEE SHEET 11

SEE SHORELINE PROTECTION
CROSS SECTION SHEET 7

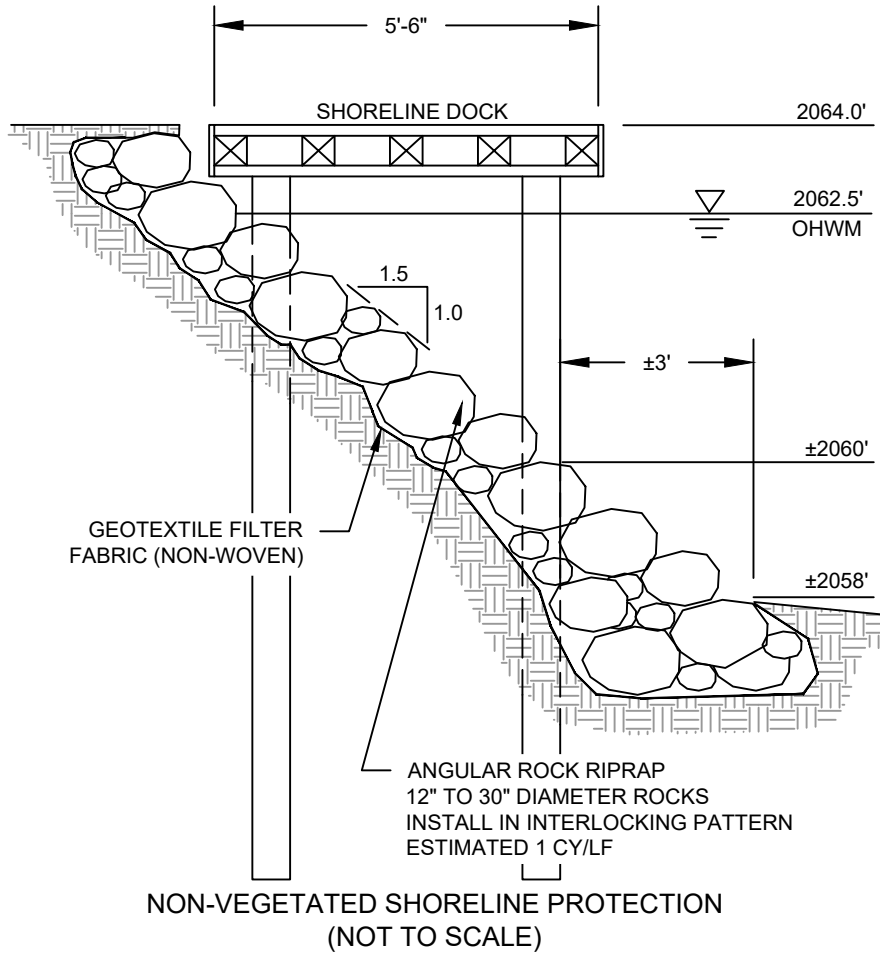
NOT TO SCALE

NOTES:
THE ARTIFICIAL HIGH WATER MARK (ELEV 2062.5 NGVD 29) HAS BEEN NOTED ON THESE DRAWINGS AS THE ORDINARY HIGH WATER MARK, AS REQUESTED BY THE ACOE. THE ORDINARY HIGH WATER MARK REFERENCED HEREIN DOES NOT REPRESENT THE LAST NATURAL ORDINARY HIGH WATER MARK (APPROX ELEV 2048) WHICH IDENTIFIES FEE TITLE.

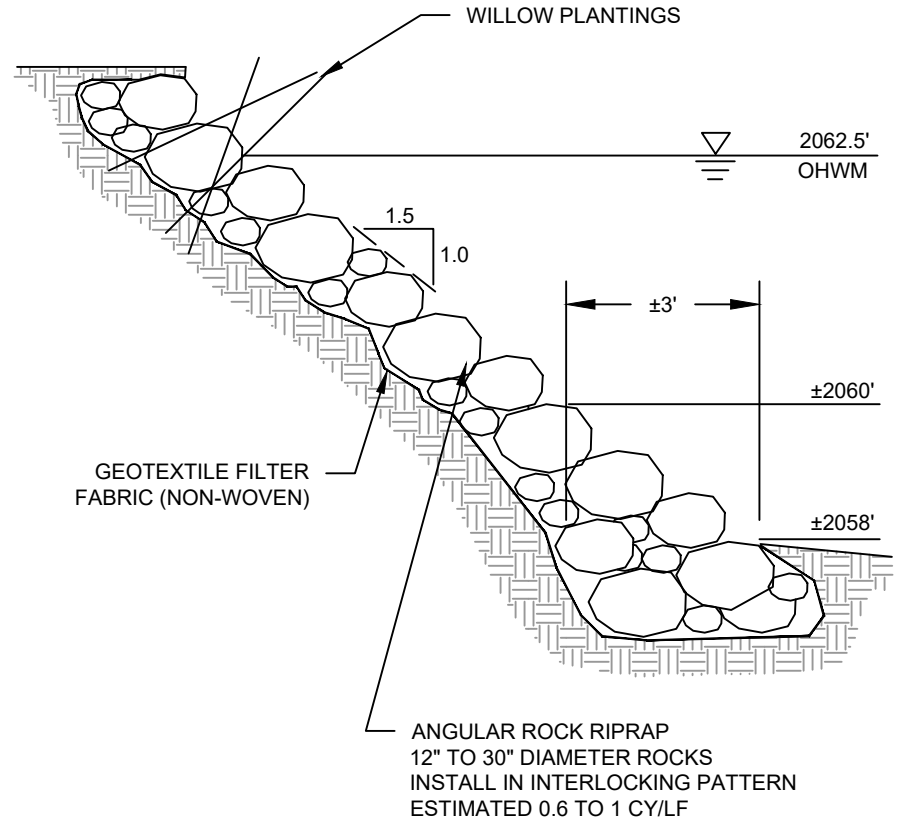


APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO	
SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: SITE CROSS SECTION	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/JPJ
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
SHT 6 OF 16	

NOTE: ELEVATIONS SHOWN ARE BASED ON NGVD 29 DATUM



NOTE: ELEVATIONS SHOWN ARE BASED ON NGVD 29 DATUM



THIS DRAWING IS TO BE USED FOR PERMITTING
PURPOSES - NOT FOR CONSTRUCTION



APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: SHORELINE PROTECTION CROSS SECT.	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
	SHT 7 OF 16



James A. Sewell and Associates, LLC
1319 N. DIVISION
SANDPOINT, IDAHO 83864, (208) 263-4160

COMMERCIAL MARINA BOAT SLIP SCHEDULE

SLIP LENGTH	TOTAL NO.	SLIP NUMBERS
24'	22 EACH	1-22
28'	32 EACH	23-54
28'	2 EACH	SERVICE SLIPS
40' NARROW	32 EACH	55-76, 79-88
40' WIDE	2 EACH	77-78

PRIVATE BOAT SLIP SCHEDULE

SLIP LENGTH	TOTAL NO.	SLIP NUMBERS
40' SIDE-TIE	8 EACH	N/A

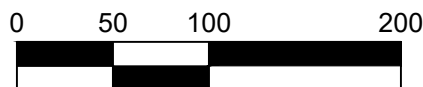
BREAKWATER AND DOCK SIZES

ID #	LENGTH (FT)	WIDTH (FT)	QTY (EA)	AREA (SF)	PILES (EA)
1	358	10	1	3,580	84
2	130	8	1	1,040	26
3	40	4	16	2,560	64
4A	168	6	1	1,008	30
4B	105	6	1	630	22
4C	204	6	1	1,224	42
4D	132	6	1	792	28
4E	28	6	1	168	6
5	28	4	14	1,568	42
6	40	6	1	240	8
7	24	4	12	1,152	36
8	N/A	N/A	1	656	10
9	N/A	N/A	1	786	14
10	290	6	1	1,740	58
11	40	6	7	1,680	56
TL				18,824	526

FREE SPANNING BRIDGE SIZE

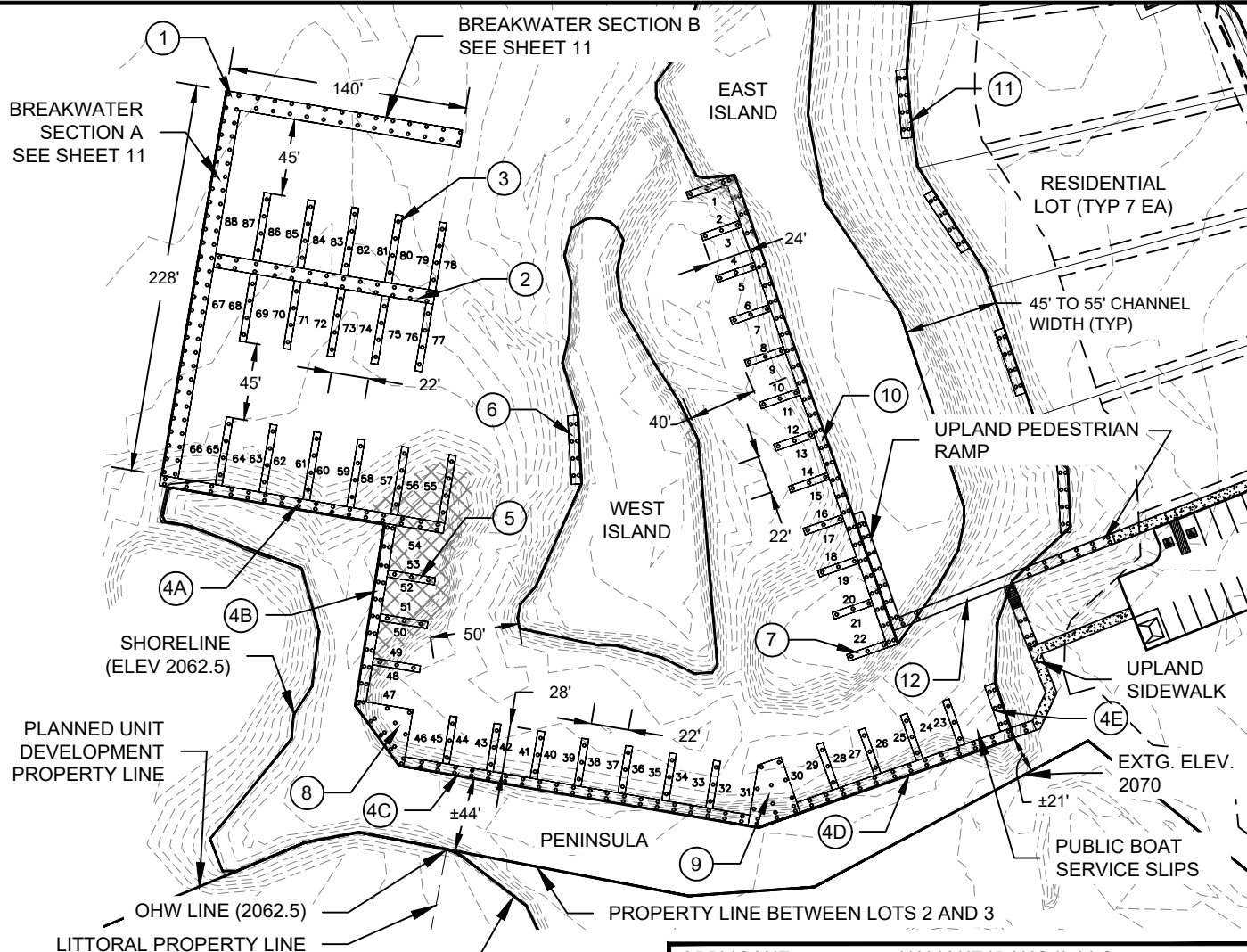
ID #	LENGTH (FT)	WIDTH (FT)	QTY (EA)	AREA (SF)	PILES (EA)
12	70	6	1	420	4

THIS DRAWING IS TO BE USED FOR PERMITTING PURPOSES - NOT FOR CONSTRUCTION



SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

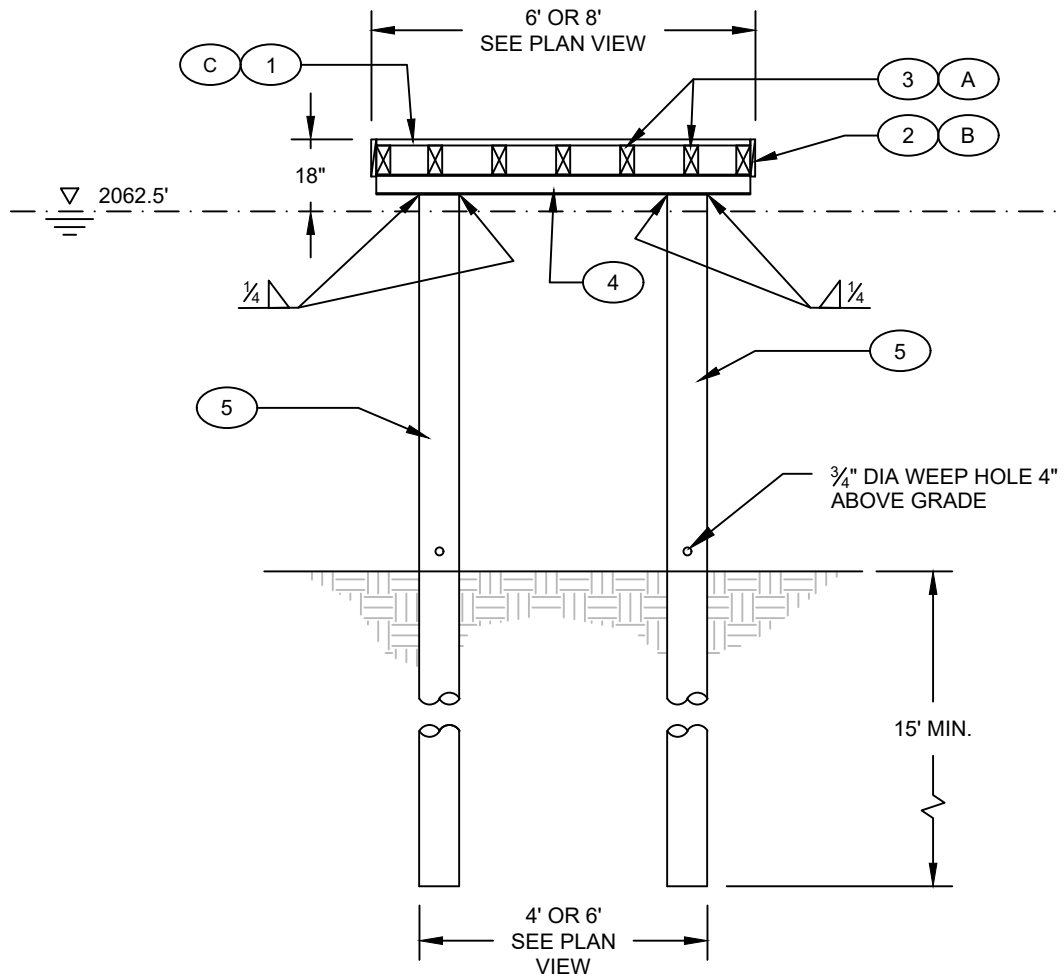
NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS



APPLICANT:	VALIANT IDAHO II, LLC
LOCATION:	BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.
WATERBODY:	LAKE PEND OREILLE
DA NUMBER:	
SHEET TITLE:	DOCK PLAN
PROJECT:	IDAHO CLUB NORTH LAKE P.U.D.
DATE:	06/26/2024
SCALE:	AS SHOWN
DRAWN:	NCF/JPJ
CHECKED:	BSB
PROJ. NO.:	22043-20-001
CAD FILE:	E-VALIANT
SHT. 8 OF 16	



James A. Sewell and Associates, LLC
1319 N. DIVISION
SANDPOINT, IDAHO 83864, (208) 263-4160



MATERIAL LEGEND

- 1 LIGHT PENETRATING DECKING
- 2 2 X 10 CEDAR FASCIA BOARD OR EQUIV.
- 3 4 X 8 JOISTS AT 16" O.C.
- 4 W 5 X 16 STEEL I-BEAM
- 5 10" DIA SCH. 40 STEEL PILING AT 10' O.C.
(WALL: $\sim \frac{3}{8}$ ")

FASTENER LEGEND

- A JOISTS TO STEEL: $\frac{1}{2}$ " X 10" GALV. BOLTS WITH WASHERS AND NUTS THROUGH DRILLED HOLES AT EACH BEARING POINT. RECESS BOLT HEADS IN JOISTS.
- B FACIA: TWO #10 X 3" SCREWS EVERY 12" ALONG JOISTS AND EVERY CROSS TIE BEARING. SPACE SCREWS 1 $\frac{1}{2}$ " FROM END OF FACIA.
- C DECKING: INSTALL PER MANUFACTURER.

DOCK STRUCTURE CROSS SECTION
NOT TO SCALE

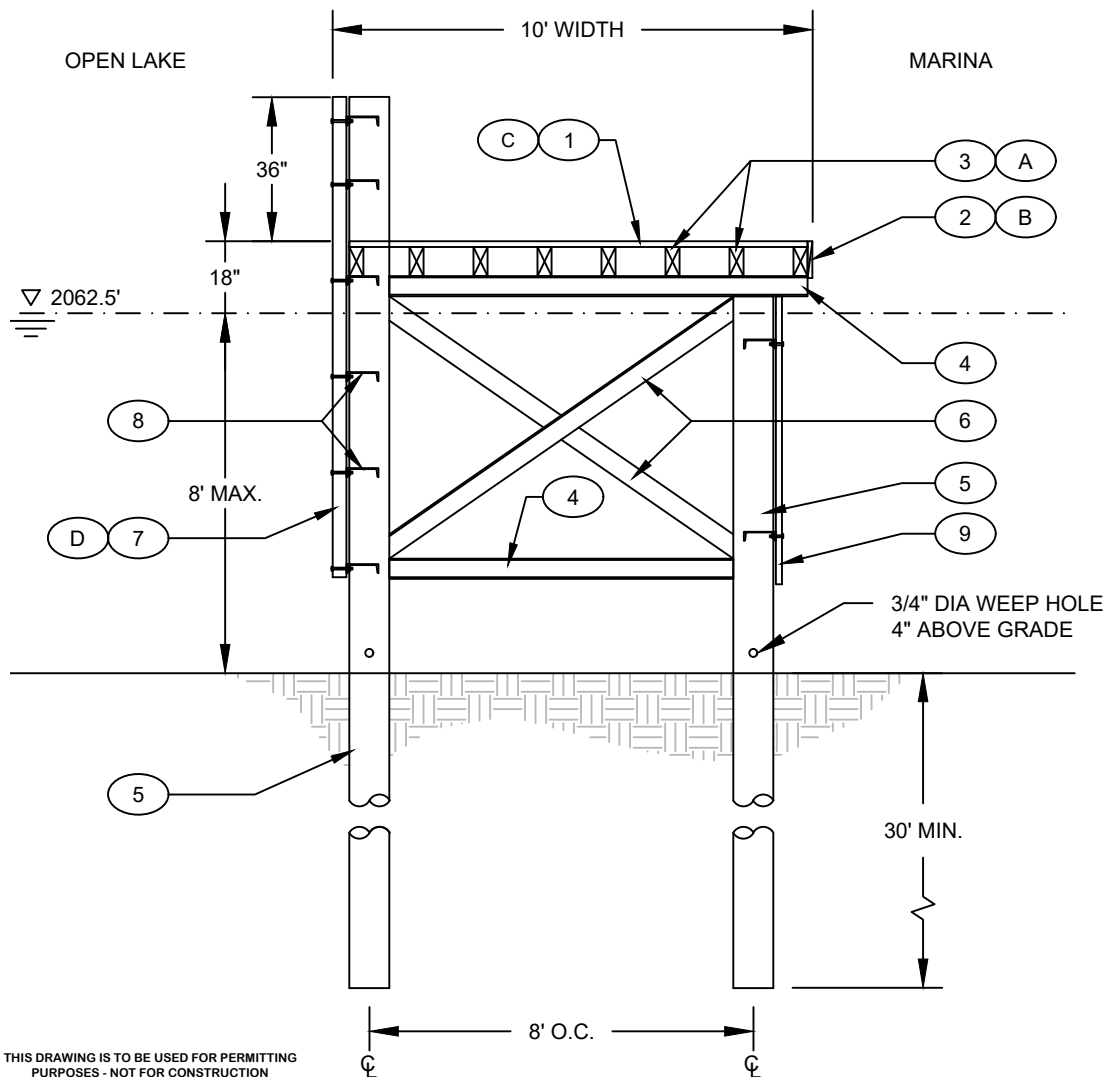
THIS DRAWING IS TO BE USED FOR PERMITTING
PURPOSES - NOT FOR CONSTRUCTION



NOTES:

- ALL DOCKS SHALL HAVE A LEVEL DECK THAT IS 1'-6" ABOVE THE HIGH WATER LEVEL
- ALL DIMENSIONAL LUMBER (EXCEPT FACIA BOARD AND DECKING) SHALL BE DOUG FIR/HEM FIR, GRADE-NO.2 OR BETTER, PRESSURE TREATED WITH WATERBORNE SALT-CCA, TO A RETENTION LEVEL OF .40pct (SWPB-LP22). FACIA BOARD AND DECKING SHALL BE CEDAR, GRADE-NO.2 OR BETTER.
- ALL SCREWS SHALL HAVE A RUST PROOF FINISH SUCH AS HOT-DIP GALVANIZED ALUMINUM OR STAINLESS STEEL. ALL OTHER FASTENERS, INCLUDING LAG BOLTS, MACHINE BOLTS, WASHERS AND NUTS SHALL HAVE A SIMILAR RUST PROOF FINISH.

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: DOCK CROSS SECTION	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
SHT 9 OF 16	



MATERIAL LEGEND

- 1 LIGHT PENETRATING DECKING
- 2 2 X 10 CEDAR FASCIA BOARD OR EQUIV.
- 3 4 X 8 JOISTS AT 16" O.C.
- 4 W 5 X 16 STEEL I-BEAM
- 5 10" DIA SCH. 40 STEEL PILING AT 8' O.C.
(WALL: $\sim \frac{3}{8}$ "), CAP TALL PILES
- 6 L 5" X 5" X 3/8" STEEL ANGLE
- 7 4 X 6 PT HEM-FIR VERTICAL BOARDS AT 7" O.C.
WITH 1-1/2" GAPS
- 8 C 8 X 11.5 STEEL CHANNEL, TYP. AS SHOWN
24" O.C. VERTICAL SPACING OR AS SHOWN
- 9 2 X 6 PT HEM FIR VERTICAL BOARDS AT 7" O.C.
WITH 1-1/2" GAPS

STEEL CONNECTION NOTES:

ALL STEEL MEMBERS SHALL BE COPED TO FIT TIGHT AND CONNECTED WITH 1/4" FILLET OR EQUIVALENT WELDS ALONG THE ENTIRE PERIMETER OF THE CONNECTED PART.

FASTENER LEGEND

- A JOISTS TO STEEL: $\frac{1}{2}$ " X 10" GALV. BOLTS WITH WASHERS AND NUTS THROUGH DRILLED HOLES AT EACH BEARING POINT. RECESS BOLT HEADS IN JOISTS.
- B FACIA: TWO #10 X 3" SCREWS EVERY 12" ALONG JOISTS AND EVERY CROSS TIE BEARING. SPACE SCREWS 1 $\frac{1}{2}$ " FROM END OF FACIA.
- C DECKING: INSTALL PER MANUFACTURER.
- D VERTICAL BOARDS TO STEEL: $\frac{1}{2}$ " X 5" OR 3" GALV. BOLTS WITH WASHERS AND NUTS THROUGH DRILLED HOLES AT 7" O.C.

THIS DRAWING IS TO BE USED FOR PERMITTING PURPOSES - NOT FOR CONSTRUCTION

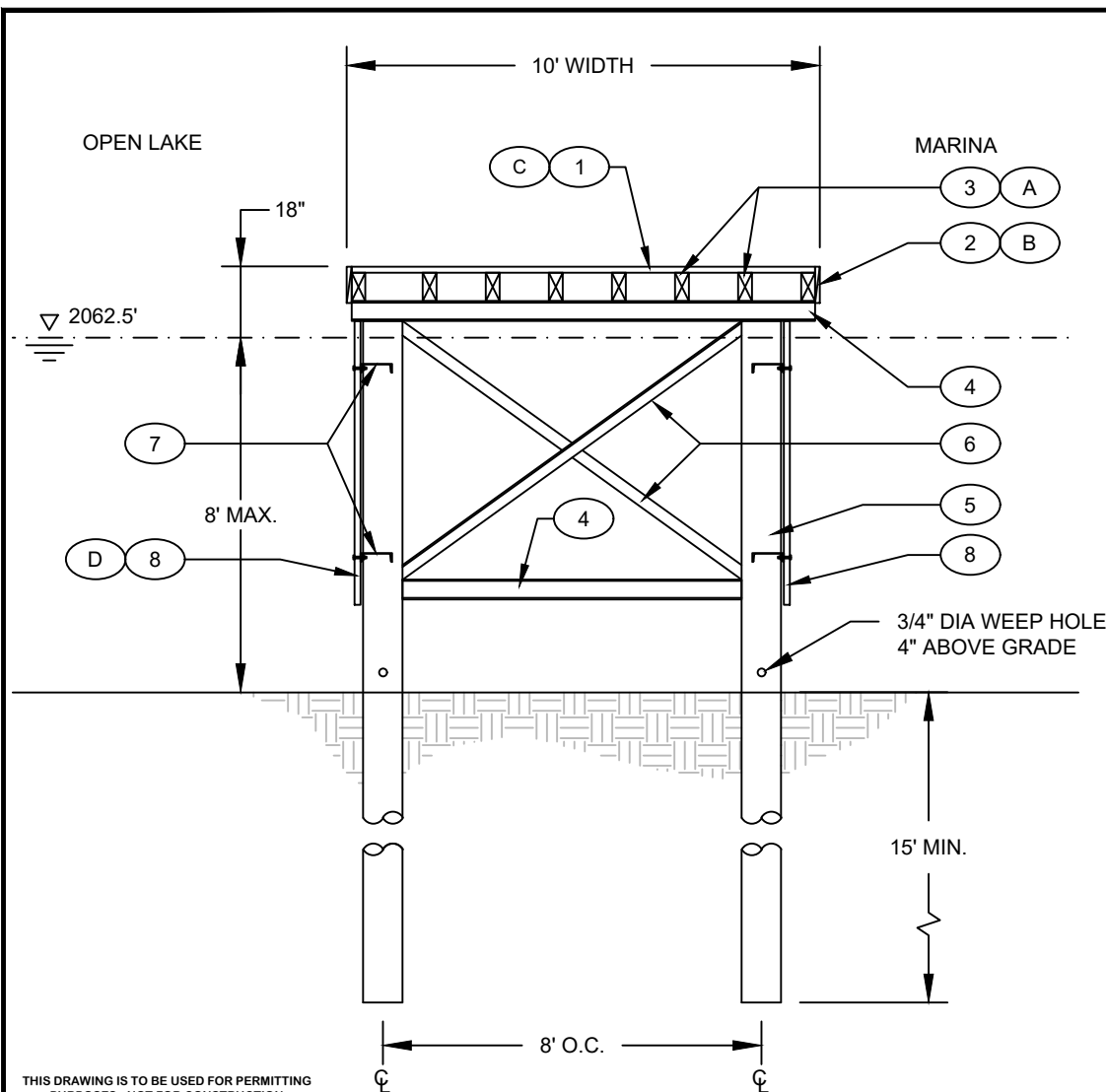


NOT TO SCALE

NOTES:

1. ALL SCREWS SHALL HAVE A RUST PROOF FINISH SUCH AS HOT-DIP GALVANIZED ALUMINUM OR STAINLESS STEEL. ALL OTHER FASTENERS, INCLUDING LAG BOLTS, MACHINE BOLTS, WASHERS AND NUTS SHALL HAVE A SIMILAR RUST PROOF FINISH.

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: BREAKWATER CROSS SECTION	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
SHT 10 OF 16	



MATERIAL LEGEND

- 1 LIGHT PENETRATING DECKING
- 2 2 X 10 CEDAR FASCIA BOARD OR EQUIV.
- 3 4 X 8 JOISTS AT 16" O.C.
- 4 W 5 X 16 STEEL I-BEAM
- 5 10" DIA SCH. 40 STEEL PILING AT 10' O.C. (WALL: $\sim \frac{3}{8}$ "), CAP TALL PILES
- 6 L 3" X 3" X 3/8" STEEL ANGLE
- 7 C 8 X 11.5 STEEL CHANNEL, TYP. AS SHOWN 48" O.C. VERTICAL SPACING AND 12" FROM EACH END
- 8 2 X 6 PT HEM FIR VERTICAL BOARDS AT 7" O.C. WITH 1-1/2" GAPS

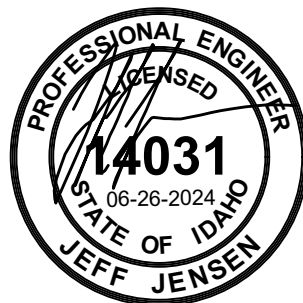
STEEL CONNECTION NOTES:

ALL STEEL MEMBERS SHALL BE COPED TO FIT TIGHT AND CONNECTED WITH 1/4" FILLET OR EQUIVALENT WELDS ALONG THE ENTIRE PERIMETER OF THE CONNECTED PART.

FASTENER LEGEND

- A JOISTS TO STEEL: $\frac{1}{2}$ " X 10" GALV. BOLTS WITH WASHERS AND NUTS THROUGH DRILLED HOLES AT EACH BEARING POINT. RECESS BOLT HEADS IN JOISTS.
- B FACIA: TWO #10 X 3" SCREWS EVERY 12" ALONG JOISTS AND EVERY CROSS TIE BEARING. SPACE SCREWS 1 $\frac{1}{2}$ " FROM END OF FACIA.
- C DECKING: INSTALL PER MANUFACTURER.
- D VERTICAL BOARDS TO STEEL: $\frac{1}{2}$ " X 3" GALV. BOLTS WITH WASHERS AND NUTS THROUGH DRILLED HOLES AT 7" O.C.

THIS DRAWING IS TO BE USED FOR PERMITTING PURPOSES - NOT FOR CONSTRUCTION



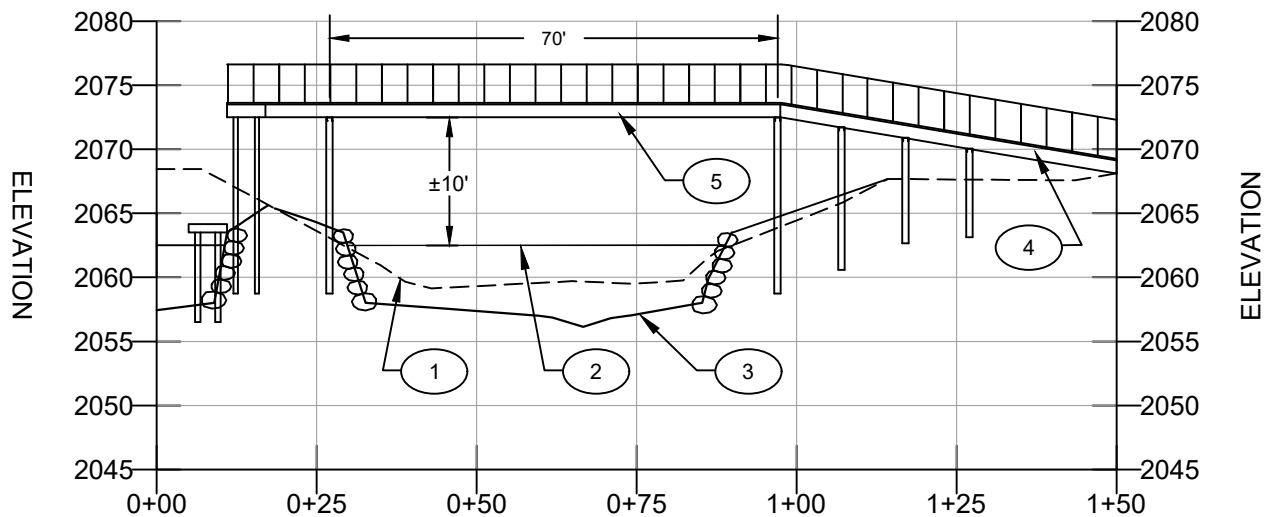
BREAKWATER STRUCTURE CROSS SECTION B

NOT TO SCALE

NOTES:

1. ALL SCREWS SHALL HAVE A RUST PROOF FINISH SUCH AS HOT-DIP GALVANIZED ALUMINUM OR STAINLESS STEEL. ALL OTHER FASTENERS, INCLUDING LAG BOLTS, MACHINE BOLTS, WASHERS AND NUTS SHALL HAVE A SIMILAR RUST PROOF FINISH.

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: BREAKWATER CROSS SECTION	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	
SHT 11 OF 16	



BRIDGE STRUCTURE CROSS SECTION
NOT TO SCALE

KEY NOTES

- 1 EXISTING CHANNEL CROSS SECTION
- 2 ORDINARY HIGH WATER MARK (2062.5 NGVD '29)
- 3 PROPOSED CHANNEL CROSS SECTION
- 4 PEDESTRIAN RAMP (MAX. 1:12)
- 5 FREE SPANNING BRIDGE WITH LIGHT PENETRATING DECKING

0 15 30 60



HORIZONTAL SCALE IN FEET

0 7.5 15 30



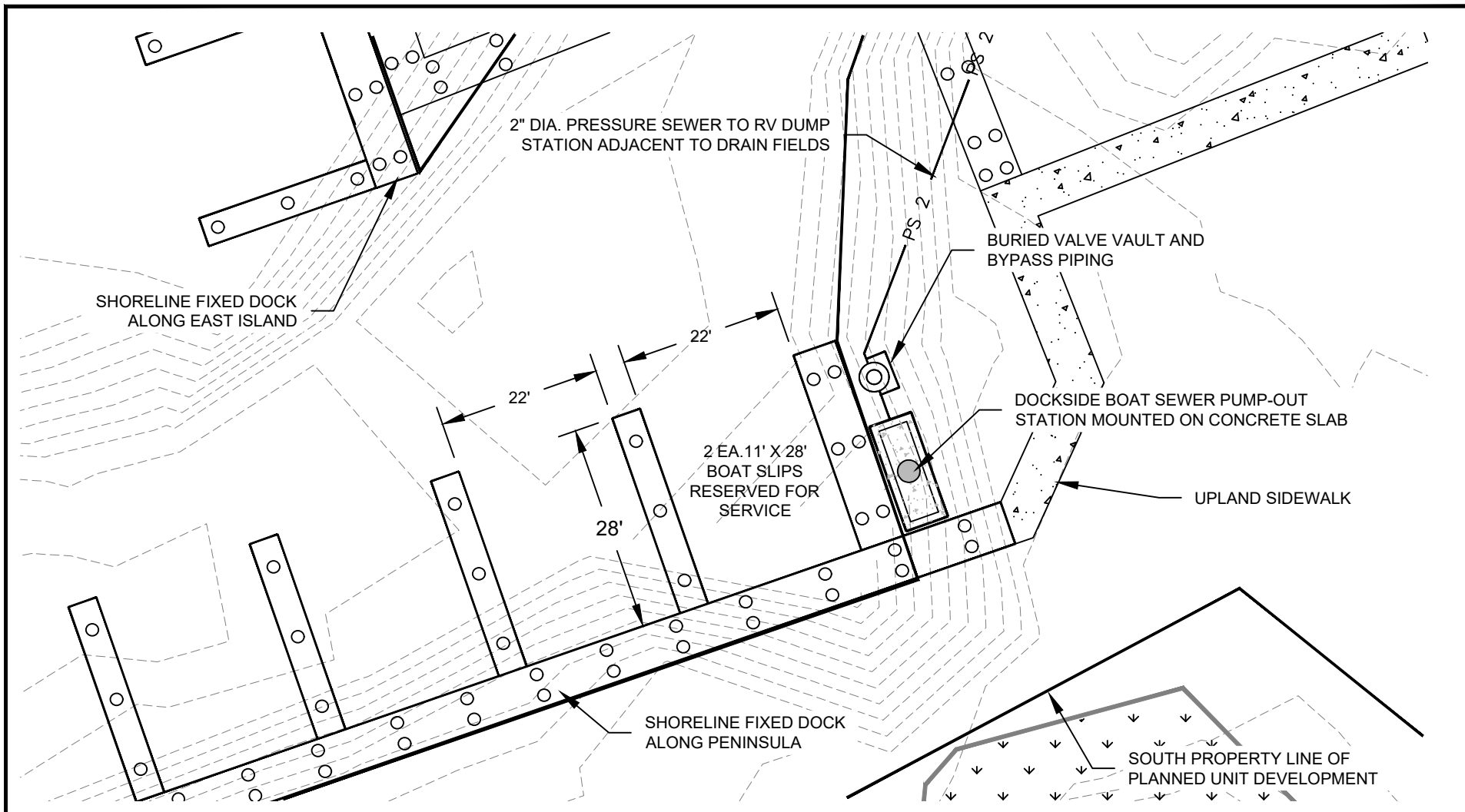
VERTICAL SCALE IN FEET

NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS

THIS DRAWING IS TO BE USED FOR PERMITTING PURPOSES - NOT FOR CONSTRUCTION



APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: BRIDGE CROSS SECTION	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
SHT 12 OF 16	



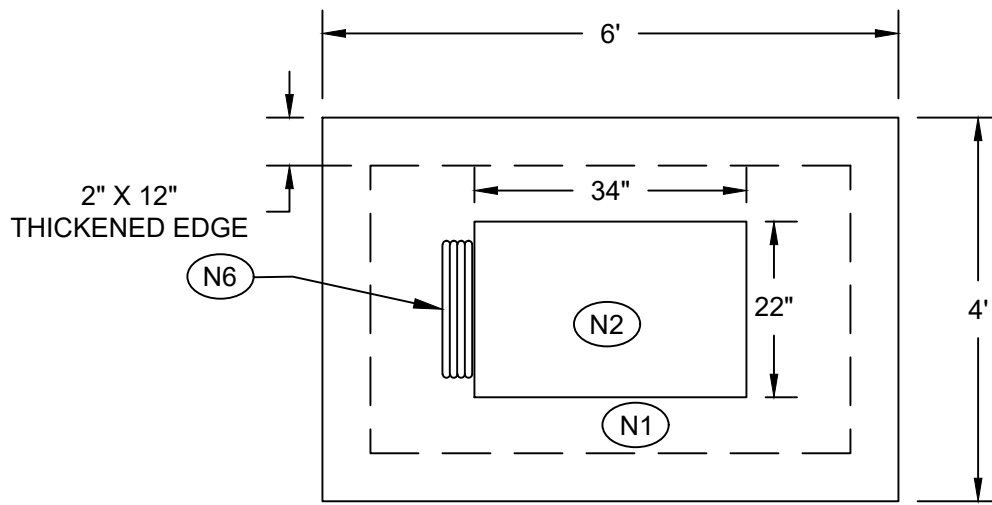
THIS DRAWING IS TO BE USED FOR PERMITTING
PURPOSES - NOT FOR CONSTRUCTION



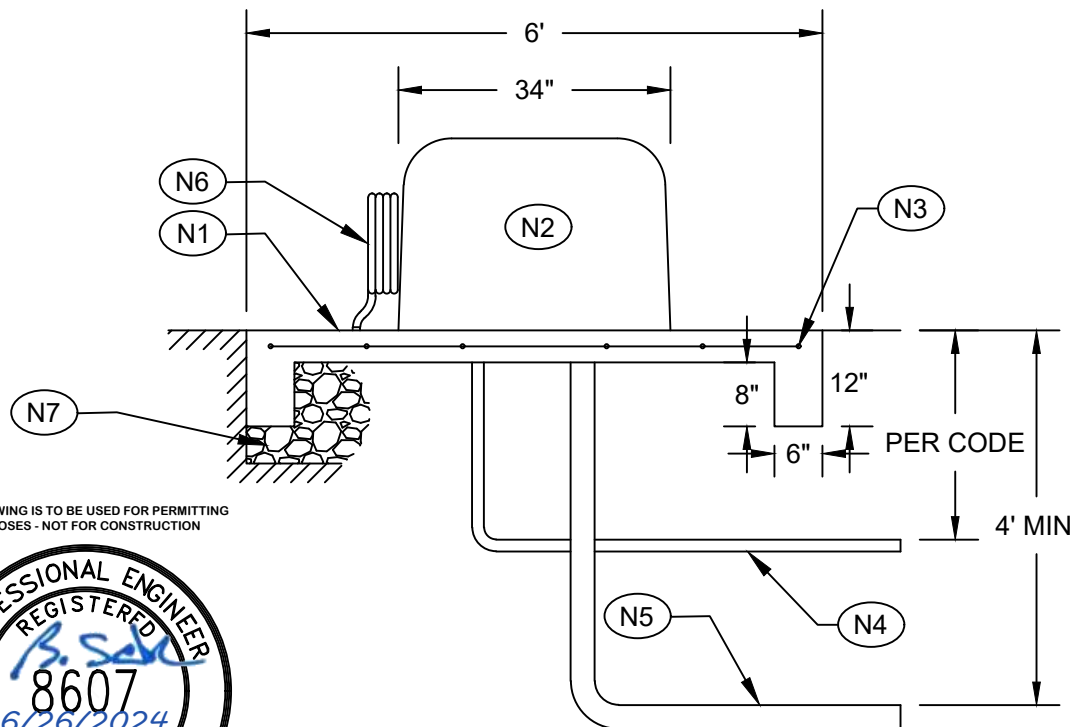
SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH
WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC
SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE:	BOAT PUMP OUT STATION PLAN
PROJECT:	IDAHO CLUB NORTH LAKE P.U.D.
DATE:	06/26/2024
SCALE:	AS SHOWN
DRAWN:	NCF/J.P.J.
CHECKED:	BSB
PROJ. NO.:	22043-20-001
CAD FILE:	E-VALIANT
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	
SHT 13 OF 16	



- (N1) 4" REINFORCED CONCRETE SLAB
- (N2) KECO 900.M 34-D 2-HP FIXED DOCKSIDE PUMP OUT STATION (OR APPROVED EQUAL)
- (N3) #4 REINFORCEMENT BARS @ 18" O.C.E.W.
- (N4) ELECTRICAL CONDUIT
- (N5) 2" DIA. CLASS 200 HDPE DISCHARGE PIPE
- (N6) FLEXIBLE SUCTION PIPE (SUPPLIED BY MANUFACTURER)
- (N7) $\frac{3}{4}$ " - MINUS BASE ROCK COMPACTED TO 95% RELATIVE DENSITY

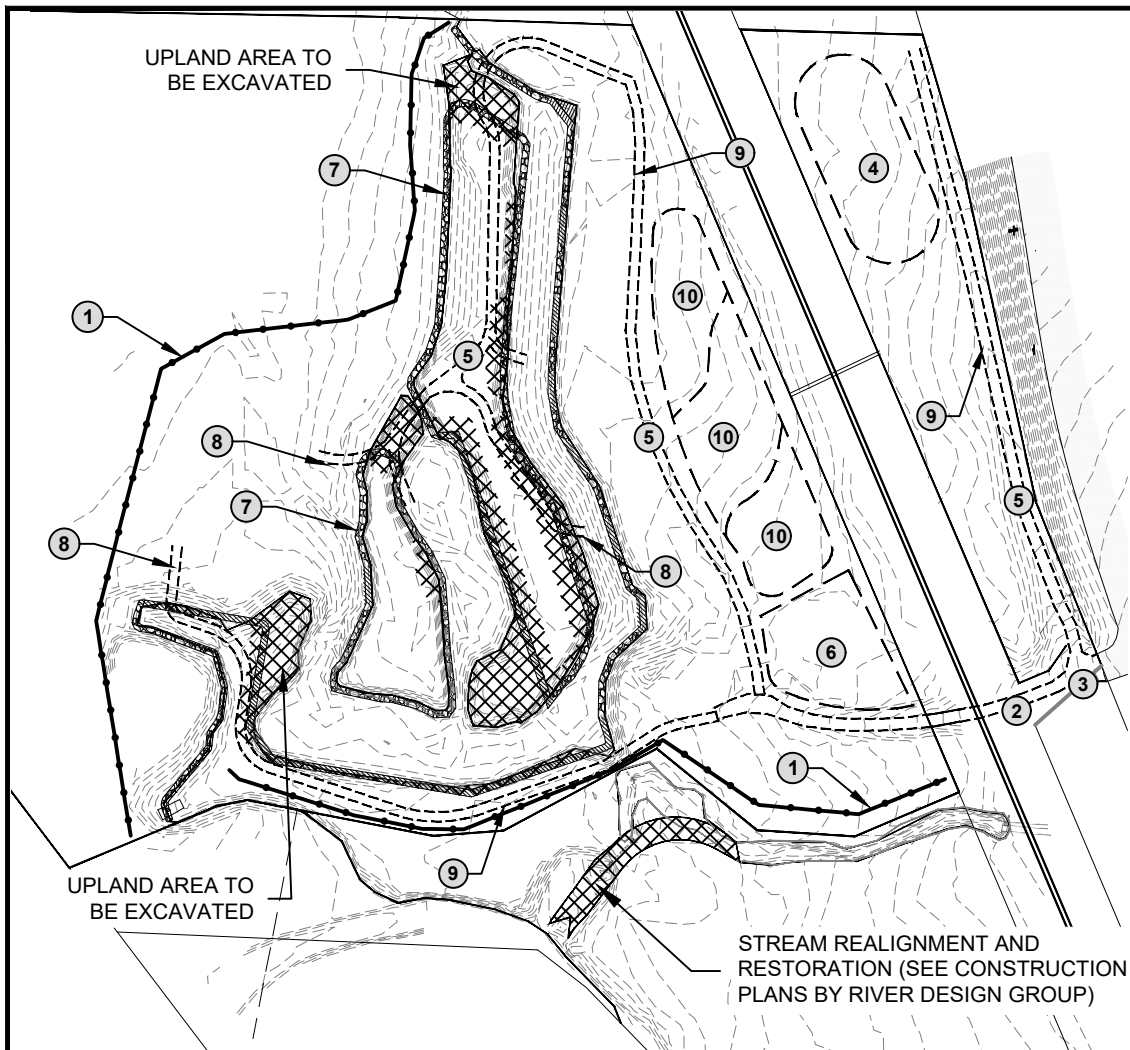


THIS DRAWING IS TO BE USED FOR PERMITTING PURPOSES - NOT FOR CONSTRUCTION

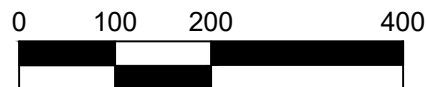


NOT TO SCALE

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: BOAT PUMP OUT STATION DETAIL	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
	SHT 14 OF 16



PRELIMINARY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PHASE 1



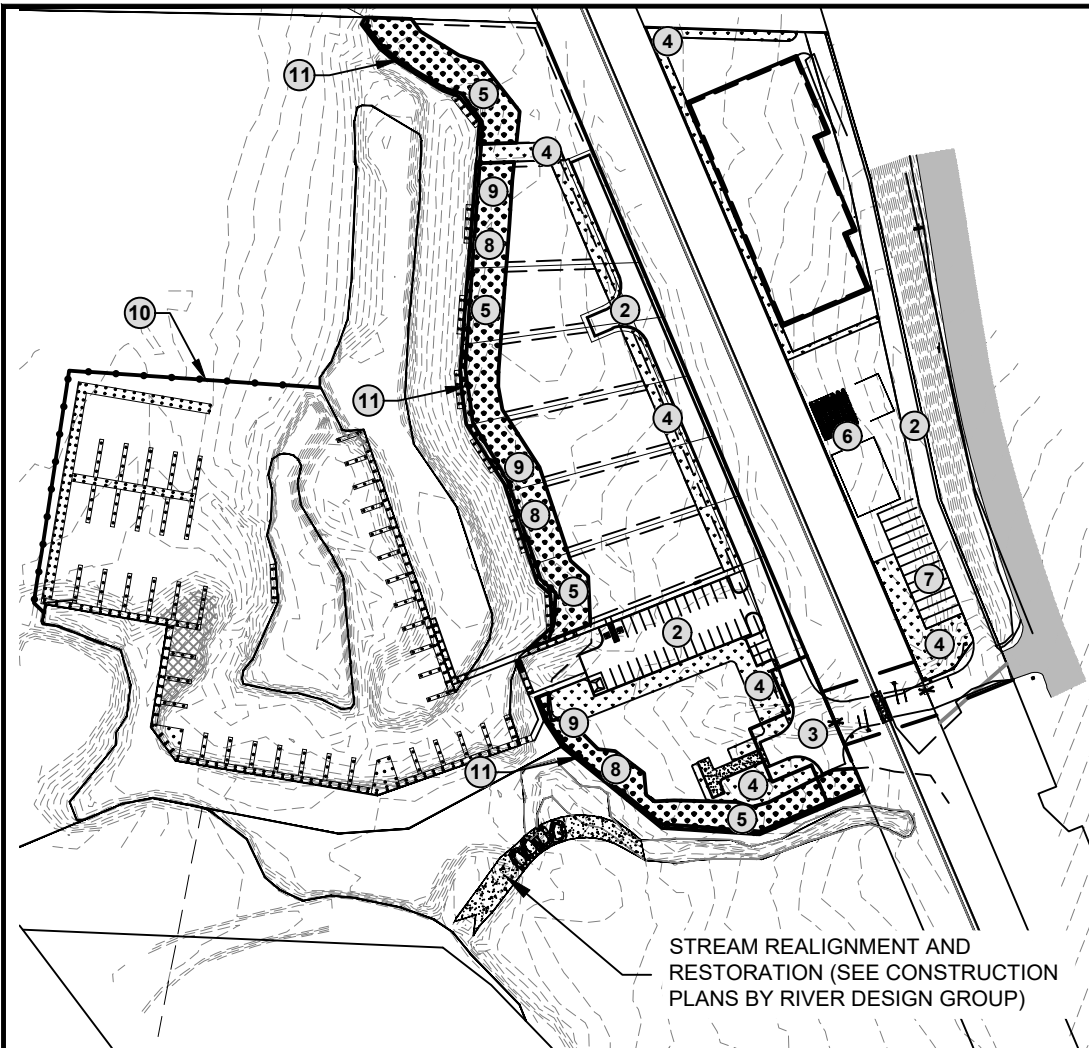
SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH WATER MARK DEPICTED IN THIS DRAWING IS PER 2017 TOPOGRAPHIC SURVEY PREPARED BY WELCH-COMER ENGINEERS AND SURVEYORS

KEY NOTES

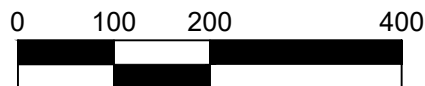
- ① INSTALL WIRE REINFORCED SILT FENCE (AKA SEDIMENT FENCING) AT THE BEGINNING OF PROJECT, AND MAINTAIN DURING ENTIRE PROJECT. SILT FENCE TO BE INSTALLED AT 3' AND 10' INTERVALS WATER-WARD FROM THE FURTHEST EXTENT OF EXCAVATION AND ALONG THE TOP OF EMBANKMENTS NOT BEING EXCAVATED. DO NOT INSTALL SILT FENCE AS A BARRIER FOR CHANNELIZED FLOW LEAVING THE SITE. REMOVE ALL SILT FENCE AFTER FINAL STABILIZATION. SEE BMP 65: SILT FENCE.
- ② CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE BEFORE BEGINNING PROJECT.
SEE BMP 40: VEHICLE SEDIMENT CONTROL
- ③ PREVENT MATERIAL TRACKING ONTO PUBLIC STREETS DURING ALL PHASES OF CONSTRUCTION, BY UTILIZING STABILIZED CONSTRUCTION ENTRANCE, VEHICLE WASHING AND STREET SWEEPING. SEE BMP 40: VEHICLE SEDIMENT CONTROL, BMP 47: CONSTRUCTION EQUIPMENT WASHING AND MAINTENANCE, AND BMP 75: STREET SWEEPING.
- ④ GENERAL MATERIAL STOCK PILE & CONSTRUCTION MATERIAL STORAGE AREA, SEE BMP 44: STOCKPILE MANAGEMENT AND BMP 37: STAGING AREAS
- ⑤ BMP 43: DUST CONTROL SHALL BE IMPLEMENTED DURING DRY TIMES WHEN SOIL IS ANTICIPATED TO BECOME AIR BORN.
- ⑥ VEHICLE EQUIPMENT REFUELING, CLEANING, MAINTENANCE AND REPAIR PER BMP 83 AND BMP 84.
- ⑦ SHORELINE RIPRAP PROTECTION PER BMP 53 AND BMP 56.
- ⑧ TRUCK AND EQUIPMENT ACCESS POINTS PER BMP 62.
- ⑨ STABILIZED CONSTRUCTION ROAD AND STAGING AREAS CROSSING PER BMP 41.
- ⑩ DE-WATERING PER BMP 73. INSTALL TEMPORARY SEDIMENTATION AND DE-WATERING INFILTRATION SURFACE STRUCTURES OR BASINS. TO BE IMPLEMENTED BY THE CONTRACTOR AFTER SEDIMENT PERIMETER PROTECTIONS ARE IN PLACE, BUT BEFORE MAJOR SITE DISTURBANCES HAVE BEGUN.

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: PRELIMINARY SWPPP PHASE 1	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
	DRAWN: NCF/JPJ
	CHECKED: BSB
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	
PROJ. NO.: 22043-20-001	SHT 15 OF 16
CAD FILE: E-VALIANT	



PRELIMINARY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PHASE 2

THIS DRAWING IS TO BE USED FOR PERMITTING
PURPOSES - NOT FOR CONSTRUCTION



SCALE IN FEET
CONTOUR INTERVAL IS 1'
DATUM: NGVD '29

NOTE: SOME ELEVATIONS, CONTOUR LINES, AND ORIGINAL HIGH
WATER MARK DEPICTED ON THIS DRAWING ARE PER 2017
TOPOGRAPHIC SURVEY PREPARED BY WELCH-COMER
ENGINEERS AND SURVEYORS.

KEY NOTES

- ① BMP 43: DUST CONTROL SHALL BE IMPLEMENTED DURING DRY TIMES WHEN SOIL IS ANTICIPATED TO BECOME AIR BORN.
- ② IMPERVIOUS SURFACE, SEE BMP 71.
- ③ CONCRETE WASHOUT AREA. SEE BMP 49: CONCRETE WASTE MANAGEMENT
- ④ CONSTRUCT TREATMENT SWALE PER BMP 9
- ⑤ 40-FT WIDE VEGETATED BUFFER (PLANTINGS PER COUNTY CODE)
- ⑥ SANITARY AND SEPTIC WASTE PER BMP 50.
- ⑦ VEHICLE EQUIPMENT REFUELING, CLEANING, MAINTENANCE AND REPAIR PER BMP 83 AND BMP 84.
- ⑧ ALL AREAS WITHIN 100' OF OPEN WATER THAT ARE DISTURBED SHALL BE SEEDED AND COVERED WITH EITHER CLEAN, WEED FREE ANCHORED STRAW, EROSION BLANKET, OR HYDRO-SEEDING MULCH WITH BONDED FIBER MIX WITHIN 24 HOURS OF REACHING FINISH GRADE PER BMP 32 AND 52.
- ⑨ ALL AREAS WITHIN 100' OF OPEN WATER, BUT NOT AT FINAL GRADE, WILL BE PROTECTED AT THE END OF EACH DAY WITH A TEMPORARY MULCH COVER SIMILAR TO NOTE 14 ABOVE, IF THEY ARE TO BE LEFT UNWORKED FOR MORE THAN 24 HOURS PER BMP 52.
- ⑩ FLOATING TURBIDITY CURTAIN TO BE INSTALLED AND ADJUSTED AS NEEDED DURING BARGE PILE DRIVING AND DOCK WORK PER BMP 71.
- ⑪ INSTALL WIRE REINFORCED SILT FENCE (AKA SEDIMENT FENCING) AT THE BEGINNING OF PROJECT, AND MAINTAIN DURING ENTIRE PROJECT. SILT FENCE TO BE INSTALLED AT 3' AND 10' INTERVALS WATER-WARD FROM THE FURTHEST EXTENT OF EXCAVATION AND ALONG THE TOP OF EMBANKMENTS NOT BEING EXCAVATED. DO NOT INSTALL SILT FENCE AS A BARRIER FOR CHANNELIZED FLOW LEAVING THE SITE. REMOVE ALL SILT FENCE AFTER FINAL STABILIZATION. SEE BMP 65: SILT FENCE.

APPLICANT: VALIANT IDAHO II, LLC	
LOCATION: BONNER COUNTY, IDAHO SECTION 16 & 17, T 57 N, R 1 E, B.M.	
WATERBODY: LAKE PEND OREILLE	
DA NUMBER:	
SHEET TITLE: PRELIMINARY SWPPP PHASE 2	DATE: 06/26/2024
PROJECT: IDAHO CLUB NORTH LAKE P.U.D.	SCALE: AS SHOWN
 James A. Sewell and Associates, LLC 1319 N. DIVISION SANDPOINT, IDAHO 83864, (208) 263-4160	DRAWN: NCF/J.P.J.
	CHECKED: BSB
	PROJ. NO.: 22043-20-001
	CAD FILE: E-VALIANT
SHT 16 OF 16	