

BRIDGE INSPECTION REPORT

Status: Released
 CD Guid: aca3eaef-cca4-4ee6-9d45-4c5fe9583067

Printed On: 7/22/2021
 Release Date: 7/22/2021

Agency: Other State Agencies
 Program Mgr: Evan M Grimm

Br. No. DOC-1

SID 00200436

Br. Name STEILACOOM BLDG TRESTLE

Carrying

Route On

Mile Post

Intersecting PUGET SOUND

Route Under

Mile Post

LAW

ABK

Inspector's Signature LAW

Cert # G1112

Cert Exp Date 1/12/2022

Co-Inspector's Signature ABK

Inspections Performed

Report Type	Inspection Type	Date	Freq	Hours	Inspector	Cert No	Co-Insp.
Routine		4/26/2021	24	2.0	LAW	G1112	ABK
Underwater		4/26/2021	48	3.0	JRWH	G0911	LAW

6	<input type="checkbox"/> Alignment (1661)	17	<input type="checkbox"/> Operating Tons (1552)	<input type="checkbox"/> Bridge Rails (1684)	<input type="checkbox"/> No Utilities (2675)
7	<input type="checkbox"/> Deck Overall (1663)		<input type="checkbox"/> Op RF (1553)	<input type="checkbox"/> Transition (1685)	<input type="checkbox"/> Asphalt Depth (2610)
7	<input type="checkbox"/> Superstructure (1671)	10	<input type="checkbox"/> Inventory Tons (1555)	<input type="checkbox"/> Guardrails (1686)	1900 <input type="checkbox"/> Year Built (1332)
5	<input type="checkbox"/> Substructure (1676)		<input type="checkbox"/> Inv RF (1556)	<input type="checkbox"/> Terminals (1687)	0 <input type="checkbox"/> Year Rebuilt (1336)
9	<input type="checkbox"/> Culvert (1678)	N	<input type="checkbox"/> Operating Level (1660)	<input type="checkbox"/> Bridge Rail Ht (2612)	
8	<input type="checkbox"/> Chan/Protection (1677)		<input type="checkbox"/> Open/Closed (1293)	<input type="checkbox"/> Design Curb Ht (2611)	
	<input type="checkbox"/> Pier/Abut/Prot (1679)		<input type="checkbox"/> Structural Eval (1657)		
8	<input type="checkbox"/> Waterway (1662)	9	<input type="checkbox"/> Deck Geometry (1658)		
T	<input type="checkbox"/> Scour (1680)	9	<input type="checkbox"/> Underclearance (1659)		

NBIS Risk Category	
Routine: No Risk Category	
Underwater: No Risk Category	

Inspection Flags

<input type="checkbox"/> Soundings (2693)	<input type="checkbox"/> Measure Clearance (2694)	<input type="checkbox"/> Revise Rating (2688)	<input type="checkbox"/> Photos (2691)	<input type="checkbox"/> QA Flag (2695)
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BMS Elements

Element	Element Description	Total	Units	CS 1	CS 2	CS 3	CS 4
8124	Timber Submerged Pile/Column	60	EA	49	0	10	1
8132	Concrete Pier Cap/Crossbeam	408	LF	404	0	4	0
8150	Prestressed Concrete Slab w/Uncoated Bars	1750	SF	1750	0	0	0
8217	Concrete Deck	1750	SF	1750	0	0	0
8361	Scour	9	EA	9	0	0	0
8408	Steel Sliding Plate Joint	14	LF	0	0	14	0
8460	Timber Pile Dolphins	1	EA	1	0	0	0
8817	Timber Pedestrian Railing	174	LF	174	0	0	0

Notes

<p>0 ORIENTATION: The Steilacoom Building Trestle includes the security building and the concrete deck between the building and the Pierce County Trestle. 2021 - There is a temporary Covid testing building placed on the trestle. For location reference: Offshore is north, shore is south, left side is west, and right side is east. For pile defect location the offshore side is considered 12 O'clock looking down.</p>
<p>1676 SUBSTRUCTURE CONDITION: Substructure NBI coded 5 due to red tagged pile 8.9.</p>

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Carrying		Route On
Intersecting PUGET SOUND		Route Under
		Mile Post
		Mile Post

Notes (Continued)

1677 CHANNEL:
 This structure abuts another structure and does not connect to the shoreline directly. No bank issues noted. No restrictions to water flow past the structure.

1680 SCOUR:
 Structure is in tidal waters with weak and variable tidal currents. Scour code set to "T - tidal" and is considered a low risk for scour. See note 8361.

8124 TIMBER SUBMERGED PILE:
 There are 49 piles supporting the dock and building. There are also 11 fender piles.
 Timber pile 8.9A has a significant rot pocket that substantially effects the capacity, see attached cross section drawing (photos UW-3, UW-4, #8, and #11). Pile Red Tagged for REPAIR #10002.

Underwater Inspection Findings:
 In general, the timber piles are in satisfactory condition with only minor defects noted. Eight (8) trestle piles and two (2) fender piles were noted to have minor defects and associated section loss. Observed defects included evidence of marine borer entry (MBE), shake or ring split missing from pile exterior, and open rot cavities (photos UW-1 through UW-6). Generally, these defects do not significantly affect the structural capacity of the pile and do not require repair at this time but will be monitored for further deterioration during future inspections.
 See Layout drawing and Pile Data Sheets for defect descriptions and locations.

8132 CONCRETE PIER CAP/CROSSBEAM:
 Quantities include caps above piles and deck edgebeams.
 Span 3 left edge beam has a 6" exposed rebar in the right web.
 Span 6 right edge beam has three exposed stirrup tails on the bottom.

8150 PRESTRESSED CONCRETE SLAB W/UNCOATED BARS:
 Each of the precast deck panels have 1" diameter holes drilled in the soffit at midspan, presumably at each of the voids (photo #4). Many of the utility hangers are rusty with some section loss.

8217 CONCRETE DECK:
 Approach deck does have vehicle loads.
 Concrete deck poured on prestressed deck panels. Section under building is included in this quantity.

8361 SCOUR (Field):
 Nine piers in the water.

Underwater Inspection Findings:
 Water flow in the vicinity is tidal. No scour patterns or scour countermeasures were observed around the trestle bents.

8408 STEEL SLIDING PLATE JOINT:
 Joint located at shore side of walkway.
 Steel plate cut near full length for conduit placement (photo #9). Spot welds used to reset are now breaking apart (photo #10). REPAIR #10001.

8460 TIMBER PILE DOLPHINS:
 There is a seven pile timber dolphin near the left offshore end of the security building.

Underwater Inspection Findings:
 The center pile has minor Limnoria striations.
 The pile group moves very easily even with light wave action. It appears to be due to the wraps being loose which doesn't make the dolphin act as a unit. The piles are not showing any distress at mudline (photo UW-7).

8817 TIMBER PEDESTRIAN RAILING:
 Timber railing on walkway only.
 Timber curb not included in railing quantity, approximately half of all timber curbing is rotten (photo #6). REPAIR #10000.

Repairs

Repair No	Pr	R	Repair Descriptions	BMS	Noted	Maint	Verified
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Repairs (Continued)

Repair No	Pr	R	Repair Descriptions	BMS	Noted	Maint	Verified
10000	3	B	Timber curbing has sections of rot. Recommend replacing all timber curbing that is rotten.	8817	5/22/2013		
10001	2	B	Steel sliding plate joint has been sawcut near full length for conduit placement. Spot welds used to reset are now breaking apart. Reweld sawcut with more than the occasional skip weld.	8408	4/8/2019		
10002	1	B	Timber pile 8.9A has a significant rot pocket that substantially effects the capacity. 2019 inspection moved this pile from Yellow to Red Tagged. Evaluate capacity/demand and replace as required.	8124	4/8/2019		

Inspections Performed and Resources Required

Report Type	Date	Freq	Hrs	Insp	CertNo	Coinsp	Note	
Routine	4/26/2021	24	2.0	LAW	G1112	ABK		
Resources	Hours	Min	Pref	Max	Freq Date	Need Date	Override	Notes
SNDG					999			Floating structures do not require soundings.
Boat			M					Boat needed for inspection.
Third Party Notification								Schedule inspection with Greg Buikema (DOC) 253-328-3229 or 253-588-5281 (cell). A security clearance must be done for all inspectors prior to landing on the island.
Underwater	4/26/2021	48	3.0	JRWH	G0911	LAW	Underwater inspection by WSDOT Dive Team. Frequency set at 48 months to correspond with every-other routine inspection.	
Resources	Hours	Min	Pref	Max	Freq Date	Need Date	Override	Notes
Boat		M	M	M				Used Munson dive boat for access.
Third Party Notification								Schedule inspection with Greg Buikema (DOC) 253-328-3229 or 253-588-5281 (cell). A security clearance must be done for all inspectors prior to landing on the island. This can be done via Greg.

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Route On
Route Under
Mile Post
Mile Post

SI-12

0 Orientation
Photo Type: D - Deck
Orientation: Sea
Date: 4/26/2021
Repairs:
Deck looking offshore. Tempoary covid check building on the deck in 2021.



SI-2

0 Orientation
Photo Type: E - Elevation
Orientation: NE
Date: 5/22/2013
Repairs:
Elevation looking right.



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Route On
Route Under
Mile Post
Mile Post

SI-3

0 Orientation
Photo Type: E - Elevation
Orientation: W
Date: 5/22/2013
Repairs:
Elevation looking offshore.



UW-3

8124 Timber Submerged Pile/Column
Photo Type: I - In Depth
Orientation: Left
Date: 5/22/2013
Repairs: 10002
Pile 8.9A: Rot cavity 6"W x 12"H x 6"D
(2013 photo)



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Route Under

Mile Post

UW-4

8124 Timber Submerged Pile/Column

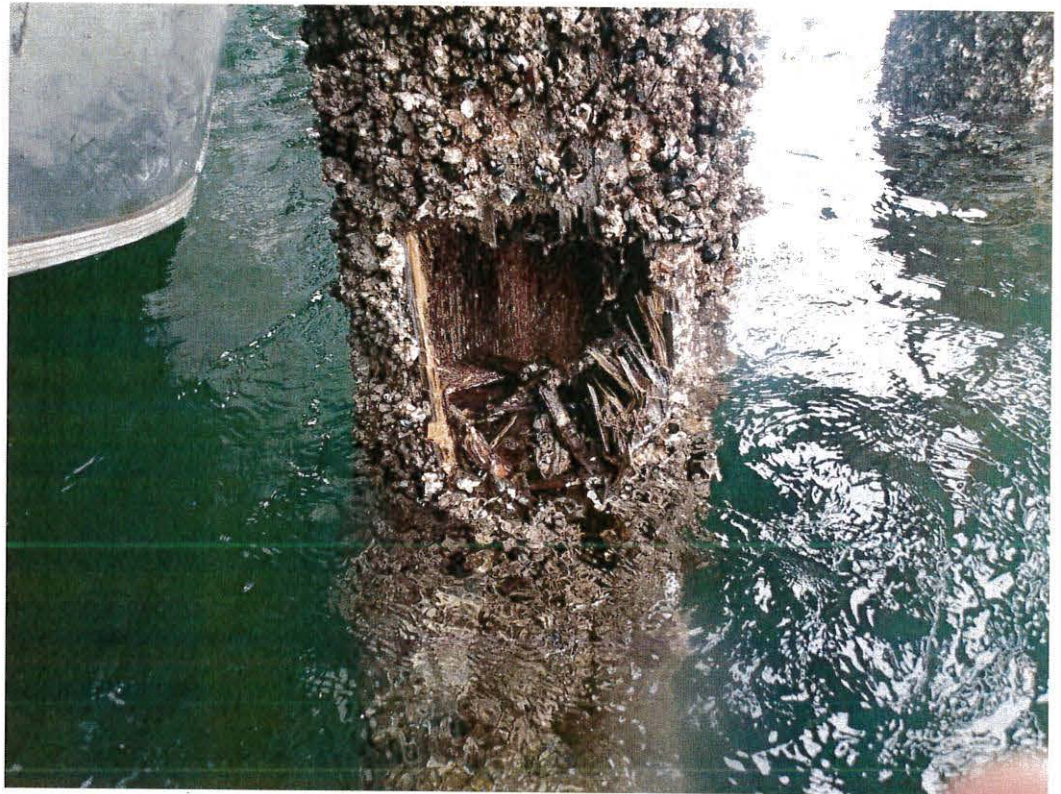
Photo Type: I - In Depth

Orientation:

Date: 4/24/2017

Repairs: 10002

8.9A: updated view of rot cavity (2017).



SI-8

8124 Timber Submerged Pile/Column

Photo Type: R - Repair

Orientation: Sea

Date: 4/8/2019

Repairs: 10002

Pile 8.9A: Measured 9" W x 16" H x 8" D (2019). Grew to 12"W x 21" H X 12" deep in 2021.



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Intersecting PUGET SOUND

Route Under

Mile Post

SI-11

8124 Timber Submerged Pile/Column

Photo Type: R - Repair

Orientation: Sea

Date: 4/8/2019

Repairs: 10002

Pile 8.9A: Measured 9" W x 16" H x 8" D (2019). Grew to 12"W x 21" H X 12" deep in 2021.



UW-1

8124 Timber Submerged Pile/Column

Photo Type: I - In Depth

Orientation:

Date: 4/24/2017

Repairs:

Pile 3B: two marine borer entries (MBE's) near mudline.



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UW-2

8124 Timber Submerged Pile/Column

Photo Type: I - In Depth

Orientation:

Date: 4/24/2017

Repairs:

Pile 7.1H: MBE with 2.5" penetration. Typical of MBE defects throughout the facility.



UW-5

8124 Timber Submerged Pile/Column

Photo Type: I - In Depth

Orientation:

Date: 5/22/2013

Repairs:

Pile 9B: 3 marine borer entry holes. Up to 2" pen. Typical MBE defect.



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Carrying

Route On

Mile Post

Intersecting PUGET SOUND

Route Under

Mile Post

UW-6

8124 Timber Submerged Pile/Column

Photo Type: I - In Depth

Orientation: Right

Date: 4/26/2021

Repairs:

Pile F7 has a 3/4" diameter MBE with 3" of penetration at 6:00 MDL +10.



SI-4

8150 Prestressed Concrete Slab w-

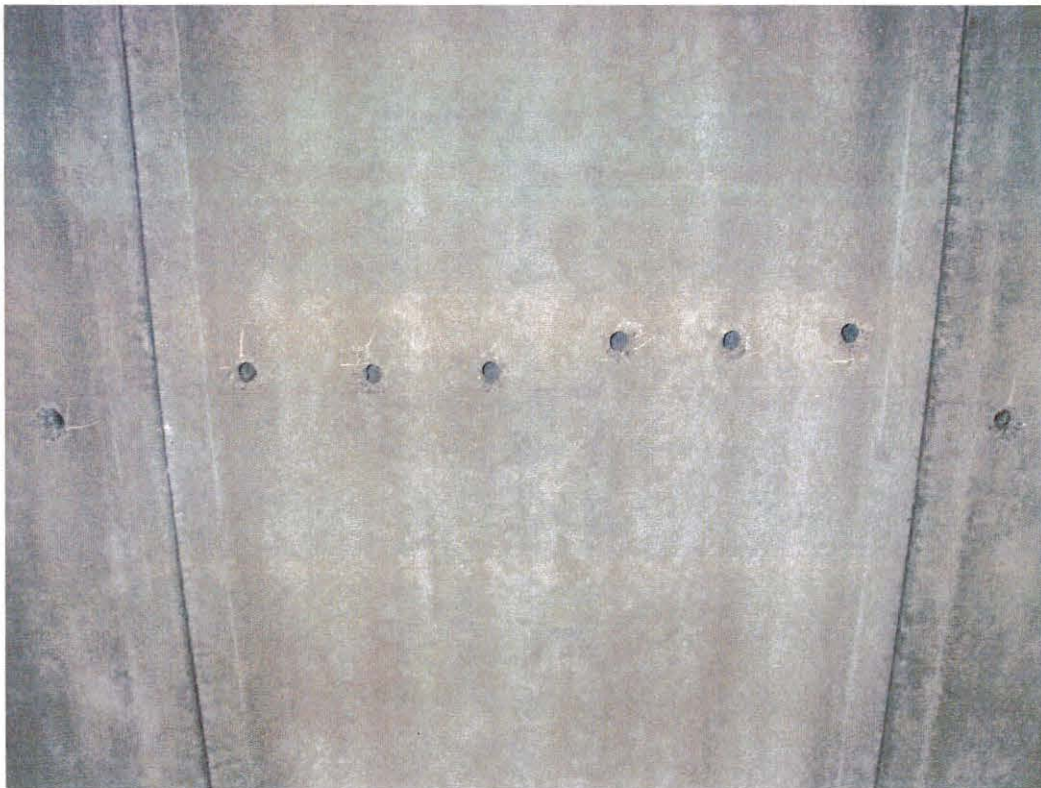
Photo Type: G - General

Orientation: UP

Date: 5/22/2013

Repairs:

Each of the precast deck panels have 1" diameter holes drilled at midspan, presumably at each of the voids.



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Carrying

Route On

Mile Post

Intersecting PUGET SOUND

Route Under

Mile Post

SI-9

8408 Steel Sliding Plate Joint

Photo Type: G - General

Orientation: W

Date: 4/8/2019

Repairs: 10001

Steel sliding plate joint between Pierce County Trestle and DOC-1 Trestle. Plate cut near full length for conduit placement



SI-10

8408 Steel Sliding Plate Joint

Photo Type: R - Repair

Orientation: DN

Date: 4/8/2019

Repairs: 10001

Spot welds used to reset are now breaking apart



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Route On

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Intersecting PUGET SOUND

Route Under

Mile Post

UW-7

8460 Timber Pile Dolphins

Photo Type: G - General

Orientation: Sea

Date: 4/26/2021

Repairs:

Timber dolphin at ground line. Note the minor Limnoria striations on the center pile.



SI-6

8817 Timber Pedestrian Railing

Photo Type: R - Repair

Orientation: N

Date: 5/22/2013

Repairs: 10000

Right side timber curbing is in poor condition. Several sections on the left are soft. (2021 - photo kept for clarity)



Underwater		4/26/2021	Lead: JRWH	Co: LAW					
Routine		4/26/2021	Lead: LAW	Co: ABK					
Pile Location			Condition/Damage				Inspection Type		
Bent	Pile	% Area Remaining	RT or YT	RT Pile Circum. (in)	Elevation	Details/Remarks		Routine/UW	Date
PILE INSPECTION DATA - Building Trestle (12:00 = offshore / ahead on station)									
1	A	100			-3	MDL		UW	4/26/2021
	B	100						UW	4/26/2021
	C	100						UW	4/26/2021
	D	100			-2.0 Cap to Cap -5	MDL Checks		UW	4/26/2021
2	A	100			-4	MDL. Battered pile.		UW	4/26/2021
	B	100						UW	4/26/2021
	C	100						UW	4/26/2021
	D	100						UW	4/26/2021
	E	100						UW	4/26/2021
	F	100			-3	MDL. Battered pile.		UW	4/26/2021
3	A	100			-6	MDL		UW	4/26/2021
	B	75			MDL +1	Two MBEs @ 11:00; 3/4" diam. w/ 1" pen. each (Photo #UW-1)		UW	4/26/2021
	C	100			-6	MDL		UW	4/26/2021
4	A	100			-10	MDL		UW	4/26/2021
	B	100						UW	4/26/2021
	C	100			-9	MDL		UW	4/26/2021
5	A	100			-10	MDL		UW	4/26/2021
	B	100						UW	4/26/2021
	C	100			Cap -6 @ 1:00	3/4" diameter MBE with 3" of pen.		Routine	4/26/2021
6	A	100			-12	MDL		UW	4/26/2021
	B	100						UW	4/26/2021
	C	100			-12	MDL		UW	4/26/2021
7	A	100			-13	MDL		UW	4/26/2021
	B	100				Battered pile.		UW	4/26/2021
	C	100						UW	4/26/2021
	D	100				Battered pile.		UW	4/26/2021
	E	100						UW	4/26/2021
	F	100			-12.5	MDL		UW	4/26/2021
	G	100			-12.5	MDL. Battered pile.		UW	4/26/2021

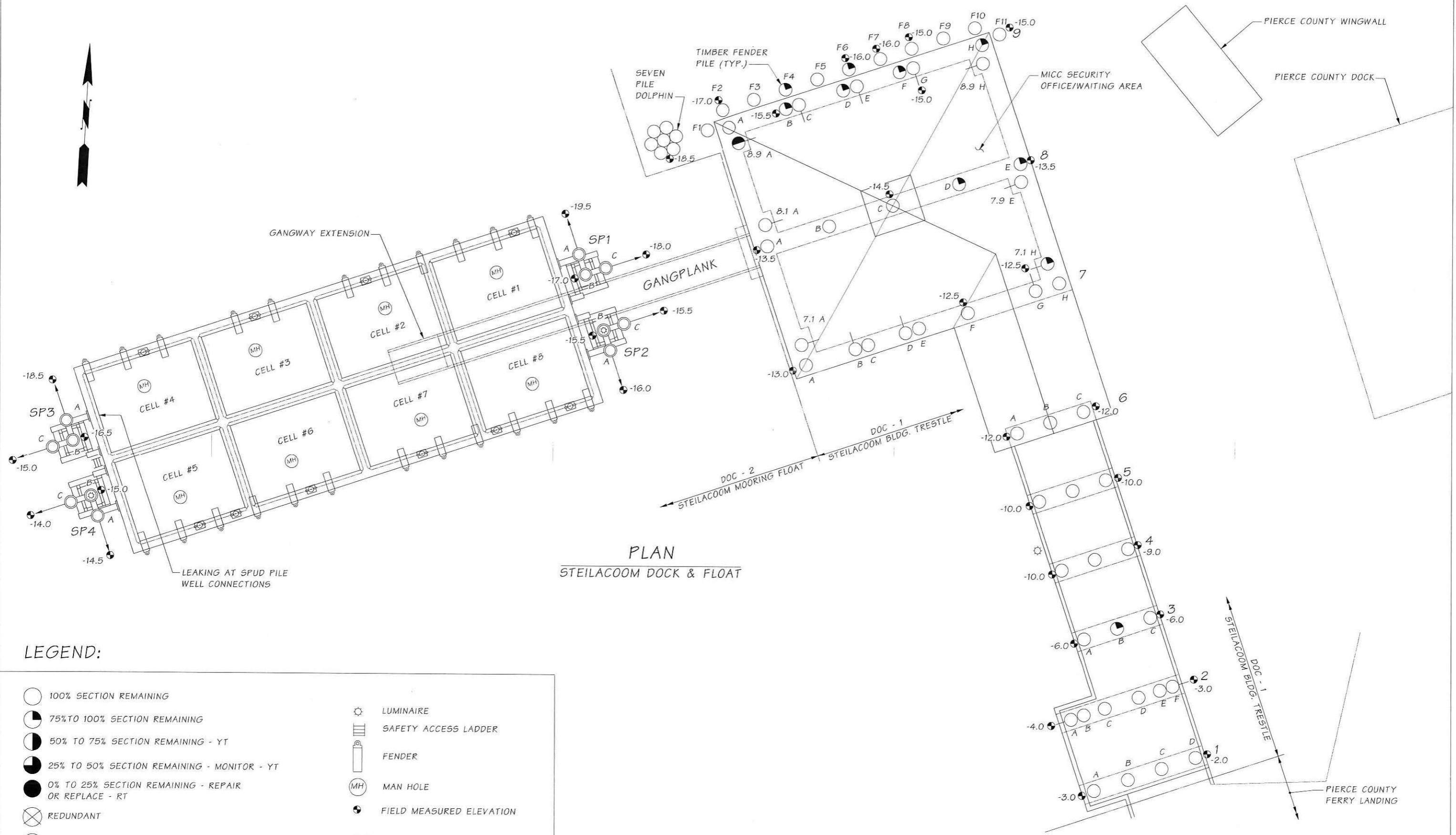
Underwater		4/26/2021	Lead: JRWH		Co: LAW			
Routine		4/26/2021	Lead: LAW		Co: ABK			
Pile Location		Condition/Damage					Inspection Type	
Bent	Pile	% Area Remaining	RT or YT	RT Pile Circum. (in)	Elevation	Details/Remarks	Routine/UW	Date
7.1	H	100					UW	4/26/2021
	A	100				Battered pile.	UW	4/26/2021
7.9	H	75			MDL+16	Battered pile. MBE; 1/2" diam. w/ 2.5" pen. @ 5:00 (Photo #UW-2)	UW	4/26/2021
	E	100				Battered pile.	UW	4/26/2021
8	A	100			-13.5	MDL	UW	4/26/2021
	B	100			MDL +18 @ 1:00	1/2" opening with 2" pen.	UW	4/26/2021
	C	100			-14.5	MDL		
	D	75			MDL+14	Shake: 1"W x 1/2" D x 2' tall @ 8:00	UW	4/26/2021
	D	75			MDL+15	Two MBEs @ 6:00: 3/4" diam. w/ 2" pen. and 1/2" diam. w/ 1.5" pen.	UW	4/26/2021
	E	75			-13.5	MDL		
8.1	A	100			MDL+12	MBE @ 3:00; 3/4" diam w/ 3" pen.	UW	4/26/2021
						Battered pile.	UW	4/26/2021
8.9	A	50	RT	50"	MDL+20	Battered pile. Two MBEs.		
					MDL+22	Rot cavity from 1:00 - 3:00: 8 x 8 opening to a 12" W x 21" H x 12" deep cavity. Photos #UW-3 and #UW-4.	UW	4/26/2021
9	H	100				Battered pile.	UW	4/26/2021
	A	100					UW	4/26/2021
	B	75			-15.5	MDL		
					MDL+17	Two MBEs @ 4:00 w/ up to 2" pen. Photo #UW-5		
					MDL+19	Two MBEs @ 4:00: 3/4" diam. w/ up to 3" pen.	UW	4/26/2021
					MDL+21	MBE @ 4:00: 3/4" diam. w/ up to 2" pen.		
	C	100				Battered pile has minor striations.	UW	4/26/2021
	D	75			Cap -5	4 holes @ 12:00: 1" W x 2" H x up to 5" deep.	UW	4/26/2021
	E	100				Battered pile.	UW	4/26/2021
	F	75			Cap -5	2 holes @ 12:00: 3/4" diam w/ up to 5" pen.	UW	4/26/2021
	G	100			-15	MDL. Battered pile.	UW	4/26/2021
	H	75			Cap -5	MBE @ 5:00 w/ 3" pen. And MBE @12:00 3/4" diam. w/ 4" pen.	UW	4/26/2021
Fenders	F1	100			MDL+2	2 MBEs @ 11:00; both 3/4" diam. w/ 1.5" pen.	UW	4/26/2021
	F2	100			-17	MDL	UW	4/26/2021

Underwater		4/26/2021	Lead: JRWH		Co: LAW			
Routine		4/26/2021	Lead: LAW		Co: ABK			
Pile Location		Condition/Damage					Inspection Type	
Bent	Pile	% Area Remaining	RT or YT	RT Pile Circum. (in)	Elevation	Details/Remarks	Routine/UW	Date
	F3	100					UW	4/26/2021
	F4	75			MDL+4	Two MBEs @ 7:00: 3/4" diam. w/ up to 2" pen.	UW	4/26/2021
					MDL+7	Two MBEs @ 9:00: 3/4" diam. w/ 2" pen.		
					MDL+11	Two MBEs @ 8:00: 3/4" diam. w/ 3" pen.		
	F5	100					UW	4/26/2021
	F6	75			-16	MDL		
					MDL+3	Up to 5 MBE holes from 7:00 to 8:00, up to 3" pen.	UW	4/26/2021
					MDL+8	Two MBEs @ 8:00: 3/4" diam. w/ 4" pen.		
					MDL+15	Two MBEs @ 6:00: 3/4" diam. w/ 3" pen.		
	F7	100			-16	MDL		
					MDL +10	3/4" diameter MBE at 6:00 with 3" of penetration	UW	4/26/2021
	F8	100			-15	MDL		
	F9	100			MDL +6	2 MBC's at 6:00 1-1/2" deep	UW	4/26/2021
	F10	100			MDL +10	MBE @ 6:00 1" diameter with 2" penetration	UW	4/26/2021
	F11	100			MDL+16	MBE @ 6:00 3/4" diameter with 3" penetration	UW	4/26/2021
					-15	MDL		
Dolphin	Dolphin				-18.5	MDL. Seven pile dolphin. Center pile has Limnoria striations (photo UW-7).	UW	4/26/2021
Counts	Timber =	60	7	(dolphin piles)				

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 NBI STRUCTURE INVENTORY AND APPRAISAL REPORT
 (ENGLISH UNITS)

CD Date: 7/21/2021 Printed on: 7/22/2021
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IDENTIFICATION		WSBIS DATA	
(1) STATE NAME - WASHINGTON	530	BRIDGE NUMBER	DOC-1
(8) STRUCTURE NUMBER	# 002004360000000	BRIDGE NAME	STEILACOOM BLDG TRESTLE
(5) INVENTORY ROUTE (ON/UNDER) - Under	0 5 1 10210	CUSTODIAN	Other State Agencies
STATE ROUTE MILEPOST	5.96	CROSSING DESC	
(2) HIGHWAY AGENCY DISTRICT -		MAIN LISTING FLAG	M
(3) COUNTY CODE 53 - Pierce County	(4) PLACE CODE 0000	SUFFICIENCY RATING	
(6) FEATURES INTERSECTED	PUGET SOUND	CLASSIFICATION	
(7) FACILITY CARRIED		(112) NBIS BRIDGE LENGTH	
(9) LOCATION		(104) HIGHWAY SYSTEM - Not on the NHS	0
(12) BASE HIGHWAY NETWORK - Not part of network	0	(26) FUNCTIONAL CLASS -	
(13) LRS INV ROUTE AND SUB ROUTE		(100) DEFENSE HIGHWAY - Not a STRAHNET route	0
(11) LRS MILEPOST		(101) PARALLEL STRUCTURE -	
(16) LATITUDE	47 Deg 10 Min 21.03 Sec	(102) DIRECTION OF TRAFFIC -	
(17) LONGITUDE	122 Deg 36 Min 12.19 Sec	(103) TEMPORARY STRUCTURE - Not Applicable	
(98A) BORDER BR. - (98B)	(99) BORDER BR. SID	(105) FEDERAL LANDS HIGHWAY -	
		(110) DESIGNATED NATIONAL NETWORK - Not part of network	0
STRUCTURE TYPE AND MATERIAL		(20) TOLL -	
(43) STRUCTURE TYPE MAIN: MATERIAL -		(21) MAINTENANCE -	
DESIGN - Stringer/multi-beam	02	(22) OWNER -	
(44) STRUCTURE TYPE APPR: MATERIAL -		(37) HISTORICAL SIGNIFICANCE -	
DESIGN -		CONDITION	
(45) NO. OF SPANS IN MAIN UNIT		(58) DECK	
(46) NO. OF APPROACH SPANS		(59) SUPERSTRUCTURE	
(107) DECK STRUCTURE TYPE -		(60) SUBSTRUCTURE	
(108) WEARING SURFACE / PROTECTIVE SYSTEM:		(61) CHANNEL AND CHANNEL PROTECTION	
(A) TYPE OF WEARING SURFACE -		(62) CULVERTS	
(B) TYPE OF MEMBRANE -		LOAD RATING AND POSTING	
(C) TYPE OF DECK PROTECTION -		(31) DESIGN LOAD -	
AGE AND SERVICE		(63) OPER RATING METHOD -	
(27) YEAR BUILT	1900	(64) OPERATING RATING	
(106) YEAR RECONSTRUCTED		(65) INV RATING METHOD -	
(42) TYPE OF SERVICE ON - Building or plaza	9	(66) INVENTORY RATING	
UNDER - Other	0	(70) BRIDGE POSTING -	
(28) LANES: ON STRUCTURE 0	UNDER STRUCTURE 0	(41) STRUCT OPEN, POSTED, CLOSED -	
(29) AVERAGE DAILY TRAFFIC	0	APPRAISAL	
(30) YEAR OF ADT	(109) TRUCK ADT 0%	(67) STRUCTURAL EVALUATION	
(19) BYPASS, DETOUR LENGTH	000	(68) DECK GEOMETRY	
GEOMETRIC DATA		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	
(48) LENGTH OF MAXIMUM SPAN		(71) WATERWAY ADEQUACY	
(49) STRUCTURE LENGTH		(72) APPROACH ROADWAY ALIGNMENT	
(50) CURB OR SIDEWALK: LEFT	RIGHT	(36) TRAFFIC SAFETY FEATURES	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		(113) SCOUR CRITICAL BRIDGE	
(52) DECK WIDTH OUT TO OUT		PROPOSED IMPROVEMENTS	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		(75) TYPE OF WORK -	
(33) BRIDGE MEDIAN -		(76) LENGTH OF STRUCTURE IMPROVEMENT	
(34) SKEW Deg	(35) STRUCTURE FLARED	(94) BRIDGE IMPROVEMENT COST	
(10) INVENTORY ROUTE MIN VERT CLEAR	99 ft 99 in	(95) ROADWAY IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		(96) TOTAL PROJECT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDW		(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(54) MIN VERT UNDERCLEAR		(114) FUTURE ADT	
(55) MIN LAT UNDERCLEAR RT		(115) YEAR OF FUTURE ADT	
(56) MIN LAT UNDERCLEAR LT		INSPECTIONS	
NAVIGATION DATA		(90) INSPECTION DATE	(91) FREQUENCY MO
(38) NAVIGATION CONTROL -		(92) CRITICAL FEATURE INSPECTION:	(93) CFI DATE
(111) PIER PROTECTION - Not Applicable		(A) FRACTURE CRIT DETAIL - NO -	Month (A) / /
(39) NAVIGATION VERTICAL CLEARANCE		(B) UNDERWATER INSP - NO -	Month (B) / /
(116) VERT-LIFT BRIDGE NAV MIN VERT CLR		(C) OTHER SPECIAL INSP - NO -	Month (C) / /
(40) NAVIGATION HORIZONTAL CLR			

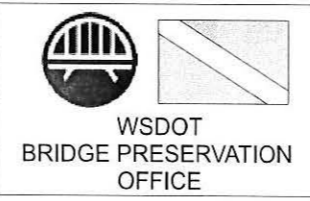


PLAN
STEILACOOM DOCK & FLOAT

LEGEND:

- 100% SECTION REMAINING
- 75% TO 100% SECTION REMAINING
- 50% TO 75% SECTION REMAINING - YT
- 25% TO 50% SECTION REMAINING - MONITOR - YT
- 0% TO 25% SECTION REMAINING - REPAIR OR REPLACE - RT
- REDUNDANT
- VERTICAL TREATED TIMBER PILE
- VERTICAL ROUND STEEL PILE
- BATTERED (br) TREATED TIMBER PILE
- BATTERED (br) ROUND STEEL PILE
- LUMINAIRE
- SAFETY ACCESS LADDER
- FENDER
- MAN HOLE
- FIELD MEASURED ELEVATION

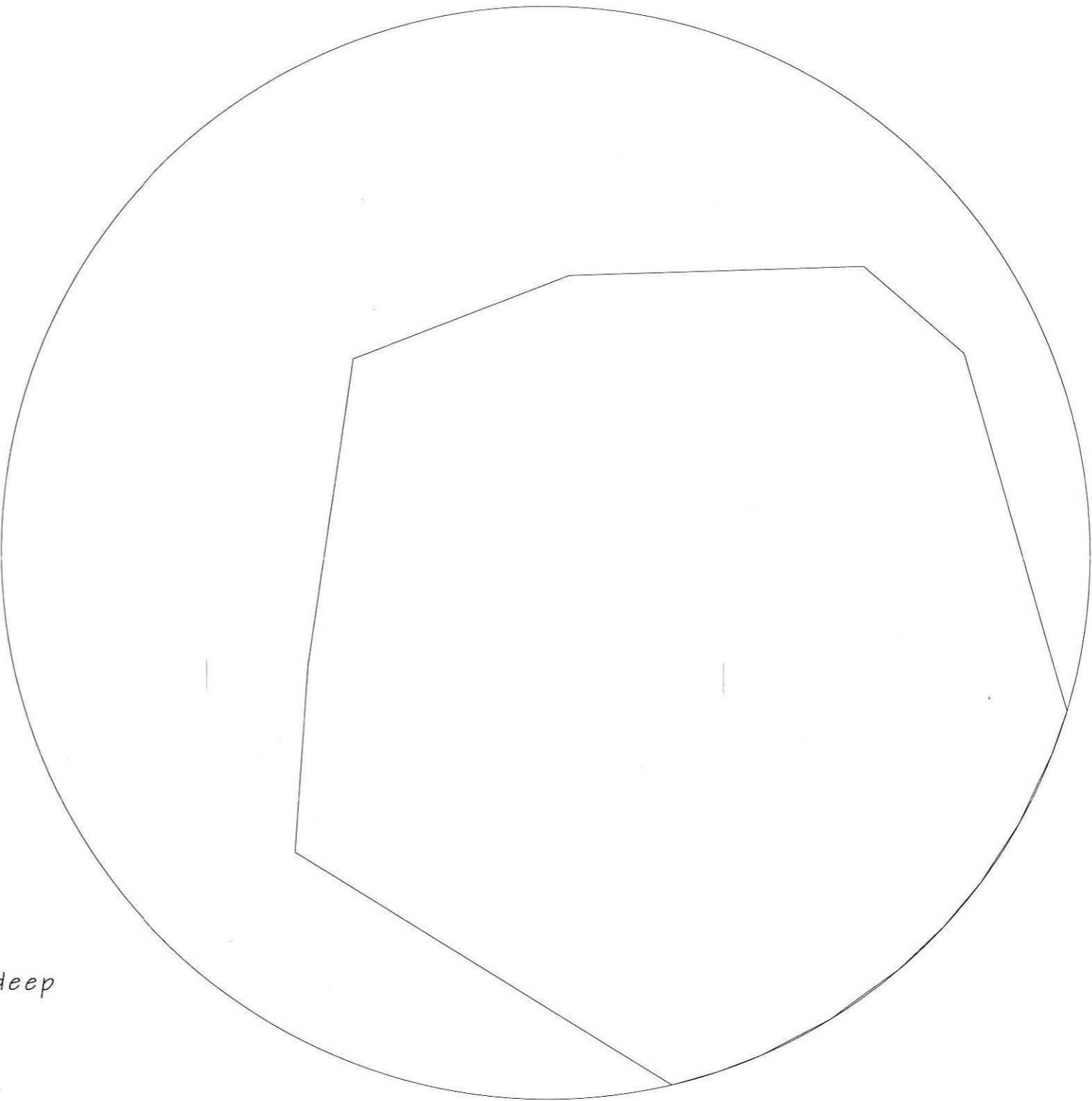
ROUTINE INSPECTION		UNDERWATER INSPECTION	
Date:	4/26/2021	Date:	4/26/2021
Scale:	NA	Scale:	NA
Inspected by:	LAW/ABK	Inspected by:	JRW/LAW




DOC - 1 AND DOC - 2
STEILACOOM BUILDING TRESTLE
AND MOORING FLOAT

LAYOUT

SHEET NO.	1
SHEET	OF
SHEETS	



16"Ø PILE 8.9A ROT POCKET 12" W x 21" H x 12" deep
 APPROXIMATELY 50% SECTION LOSS
 AT 9' BELOW THE CAP.
 PILE LENGTH 36' AS ESTIMATED FROM PLANS.

Drawn By: #####	 Washington State Department of Transportation Bridge and Structures Office	DOC-1 STEILACOOM BLDG TRESTLE	SHEET NO. 1
Designed By: #####			of 1
Checked By: #####		Drawing Date: ##/##/##	Repair #: #####
Tracking #: RP####		RED TAGGED PILE 8.9A	