



File No. EA2023-117

**CITY OF RICHLAND**  
**Determination of Non-Significance**

**Description of Proposal:** Repair existing dock to meet the new standards of the 2012 McNary Shoreline Management Plan. Repairs will include an installation of 4'x4' concrete shore anchor, 8'x20' floating dock with 4'x64' ramp, and up to 4 piles. The dock will be used for recreational purposes primarily during the summer months.

**Proponent:** Max White  
2626 Harris Ave  
Richland, WA 99354

**Location of Proposal:** This project is located on the river side of 2626 Harris Ave, Richland WA. Section 25, Township 10, Range 28.

**Lead Agency:** City of Richland

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

( ) There is no comment for the DNS.

(X) This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for fourteen days from the date of issuance.

( ) This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

**Responsible Official:** Mike Stevens

**Position/Title:** Planning Manager

**Address:** 625 Swift Blvd., MS #35, Richland, WA 99352

**Date:** June 19, 2023

**Comments Due:** July 5, 2023

Signature \_\_\_\_\_

# SEPA ENVIRONMENTAL CHECKLIST

## **Purpose of checklist**

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization, or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

## **Instructions for applicants**

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. **You may use “not applicable” or “does not apply” only when you can explain why it does not apply and not when the answer is unknown.** You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to **all parts of your proposal**, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

## **Instructions for lead agencies**

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

## **Use of checklist for nonproject proposals**

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B, plus the [Supplemental Sheet for Nonproject Actions \(Part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in “Part B: Environmental Elements” that do not contribute meaningfully to the analysis of the proposal.

## A. Background [Find help answering background questions](#)

**1. Name of proposed project, if applicable:**

Repair of existing dock at 2626 Harris Ave to meet 2012 McNary Shoreline Management Plan requirements

**2. Name of applicant:**

Max White

**3. Address and phone number of applicant and contact person:**

2626 Harris Ave, Richland, WA 99354; 509-430-0267

**4. Date checklist prepared:**

May 25, 2023

**5. Agency requesting checklist:**

City of Richland  
US Army Corps of Engineers  
WA Department of Fish and Wildlife

**6. Proposed timing or schedule (including phasing, if applicable):**

November 1, 2023 - February 28, 2025

Work will only take place between November 1 and February 28; end date of 2025 is based on possibility that cultural clearance will take longer than 9 months and 2023/2024 window will be missed

**7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

No

**8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**

Archaeological survey will be conducted as required by US Army Corps of Engineers

**9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.**

No

**10. List any government approvals or permits that will be needed for your proposal, if known.**

US Army Corps of Engineers - Shoreline Permit  
US Army Corps of Engineers - Dock Permit  
US Army Corps of Engineers - Joint Aquatic Resources Permit  
US Army Corps of Engineers - Archaeological Resources Protection Act Permit  
WA Department of Fish and Wildlife - Hydraulic Project Approval  
City of Richland - Shoreline Permit

**12. Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)**

Repair existing dock to meet the new standards of the 2012 McNary Shoreline Management Plan. Repairs will include an installation of 4'x4' concrete shore anchor, 8'x20' floating dock with 4'x64' ramp, and up to 4 piles. The dock will be used for recreational purposes primarily during the summer months.

**13. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

Location is on the river side of 2626 Harris Ave, Richland WA. Section 25, Township 10, Range 28.

Parcel 126081020000009.

Legal Desc COLUMBIA TERRACE SUBDIVISION: LOT 3: EXCEPT THE PORTION DEFINED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 3: THENCE EAST 113.86 FEET ALONG THE NORTH LINE OF SAID LOT. THENCE SOUTH 15 DEGREES 40'12" EAST A DISTANCE OF 147.58 FEET TO POINT ON SOUTH LINE OF SAID LOT, SAID POINT BEGINNING 124.85 FEET EAST OF THE SOUTHWEST CORNER OF SAID LOT. THENCE WEST ALONG SAID SOUTH LINE A DISTANCE OF 124.85 FEET TO SAID SOUTHWEST CORNER. THENCE NORTHERLY ALONG WEST LINE OF SAID LOT TO POINT OF BEGINNING. TOGETHER WITH EASEMENT FOR DRIVEWAY AND UTILITY.

Attachments: PE stamped dock design with site plan & vicinity map, topographic map.

## B. Environmental Elements

### 1. Earth [Find help answering earth questions](#)

#### a. General description of the site:

Natural Columbia River shoreline. Mixed vegetation with trees, bushes, and grasses.

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

#### b. What is the steepest slope on the site (approximate percent slope)?

55%

#### c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them, and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Burbank loamy fine sand

#### d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

#### e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

Small amount of excavation for concrete shore anchor, less than 5 cubic yards

#### f. Could erosion occur because of clearing, construction, or use? If so, generally describe.

Yes, around the excavation area.

#### g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Less than 1%

#### h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.

None

## 2. Air [Find help answering air questions](#)

**a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.**

None

**b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.**

No

**c. Proposed measures to reduce or control emissions or other impacts to air, if any.**

None

## 3. Water [Find help answering water questions](#)

**a. Surface Water: [Find help answering surface water questions](#)**

**1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

Columbia River

**2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

Yes, 4'x4' concrete shore anchor will be constructed 10' from the ordinary high water, up to 4 piles will be placed in river bed approximately 50' from ordinary high water.

**3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

None

**4. Will the proposal require surface water withdrawals or diversions? Give a general description, purpose, and approximate quantities if known.**

No

**5. Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

Yes, within the floodplain for the Columbia River.

6. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No

**b. Ground Water:** [Find help answering ground water questions](#)

1. Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give a general description, purpose, and approximate quantities if known.

No

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

**c. Water Runoff (including stormwater):**

1. Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No

2. Could waste materials enter ground or surface waters? If so, generally describe.

No

3. Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No

4. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any.

None

#### 4. Plants [Find help answering plants questions](#)

a. Check the types of vegetation found on the site:

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- orchards, vineyards, or other permanent crops.
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Shoreline grass will be removed under the 4'x4' shore anchor

c. List threatened and endangered species known to be on or near the site.

Salmon and trout in Columbia River

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any.

None

e. List all noxious weeds and invasive species known to be on or near the site.

None

#### 5. Animals [Find help answering animal questions](#)

a. List any birds and other animals that have been observed on or near the site or are known to be on or near the site.

Examples include:

- Birds: hawk, heron, eagle, songbirds, other:
- Mammals: deer, bear, elk, beaver, other:
- Fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened and endangered species known to be on or near the site.

Upper Columbia River Spring Chinook Salmon  
Upper Columbia River Steelhead Trout

c. Is the site part of a migration route? If so, explain.

Yes, Richland is within the Pacific Flyway

d. Proposed measures to preserve or enhance wildlife, if any.

Follow requirements of McNary Shoreline Management Plan

e. List any invasive animal species known to be on or near the site.

None



**6. Energy and Natural Resources** [Find help answering energy and natural resource questions](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

None

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

None

**7. Environmental Health** [Find help with answering environmental health questions](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe.

1. Describe any known or possible contamination at the site from present or past uses.

- a. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None

- b. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None

- c. Describe special emergency services that might be required.

Water rescue

- d. Proposed measures to reduce or control environmental health hazards, if any.

None

## b. Noise

1. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None

2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site)?

Vibratory pile driving during construction, hours would be per City's noise ordinance. No long term noise.

3. Proposed measures to reduce or control noise impacts, if any.

None

## 8. Land and Shoreline Use [Find help answering land and shoreline use questions](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

Site already has a dock, adjacent land has single-family homes. Proposal will not affect current land uses on nearby or adjacent properties

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses because of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No

1. Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?

No

- c. Describe any structures on the site.

Existing wood floating dock.

- d. Will any structures be demolished? If so, what?

Yes, existing wood floating dock will be removed.

- e. What is the current zoning classification of the site?

Parks and public facilities

- f. What is the current comprehensive plan designation of the site?

Developed open space

**g. If applicable, what is the current shoreline master program designation of the site?**

Recreation Conservancy

**h. Has any part of the site been classified as a critical area by the city or county? If so, specify.**

No

**i. Approximately how many people would reside or work in the completed project?**

None

**j. Approximately how many people would the completed project displace?**

None

**k. Proposed measures to avoid or reduce displacement impacts, if any.**

None

**l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.**

Follow City's Shoreline Master Plan and McNary Shoreline Management Plan

**m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any.**

None

**9. Housing** [Find help answering housing questions](#)

**a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**

None

**b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**

None

**c. Proposed measures to reduce or control housing impacts, if any.**

None

**10. Aesthetics** [Find help answering aesthetics questions](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

less than 10 ft

- b. What views in the immediate vicinity would be altered or obstructed?

None

- c. Proposed measures to reduce or control aesthetic impacts, if any.

None

**11. Light and Glare** [Find help answering light and glare questions](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

- c. What existing off-site sources of light or glare may affect your proposal?

None

- d. Proposed measures to reduce or control light and glare impacts, if any.

None

**12. Recreation** [Find help answering recreation questions](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity?

Swimming, boating, fishing

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any.

None

**13. Historic and Cultural Preservation** [Find help answering historic and cultural preservation questions](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

No

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

Archaeological survey will be conducted as required by US Army Corps of Engineers

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

ARPA permit required for archaeological survey

**14. Transportation** [Find help with answering transportation questions](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

Nearest street is Harris Ave

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No

- c. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No

- d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

- e. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

None

f. Will the proposal interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No

g. Proposed measures to reduce or control transportation impacts, if any.

None

**15. Public Services** [Find help answering public service questions](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

None

**16. Utilities** [Find help answering utilities questions](#)

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

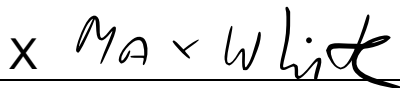
None

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None

**C. Signature** [Find help about who should sign](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.



SEPA Responsible Official

**Type name of signee:** <sup>Max White</sup> Click or tap here to enter text.

**Position and agency/organization:** Click or tap here to enter text.

**Date submitted:** <sup>6/1/2023</sup> Click or tap to enter a date.

## **D. Supplemental sheet for nonproject actions** [Find help for the nonproject actions worksheet](#)

**IT IS NOT REQUIRED** to use this section for project actions.

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

**1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?**

- **Proposed measures to avoid or reduce such increases are:**

**2. How would the proposal be likely to affect plants, animals, fish, or marine life?**

- **Proposed measures to protect or conserve plants, animals, fish, or marine life are:**

**3. How would the proposal be likely to deplete energy or natural resources?**

- **Proposed measures to protect or conserve energy and natural resources are:**

**4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection, such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?**

- **Proposed measures to protect such resources or to avoid or reduce impacts are:**

**5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?**

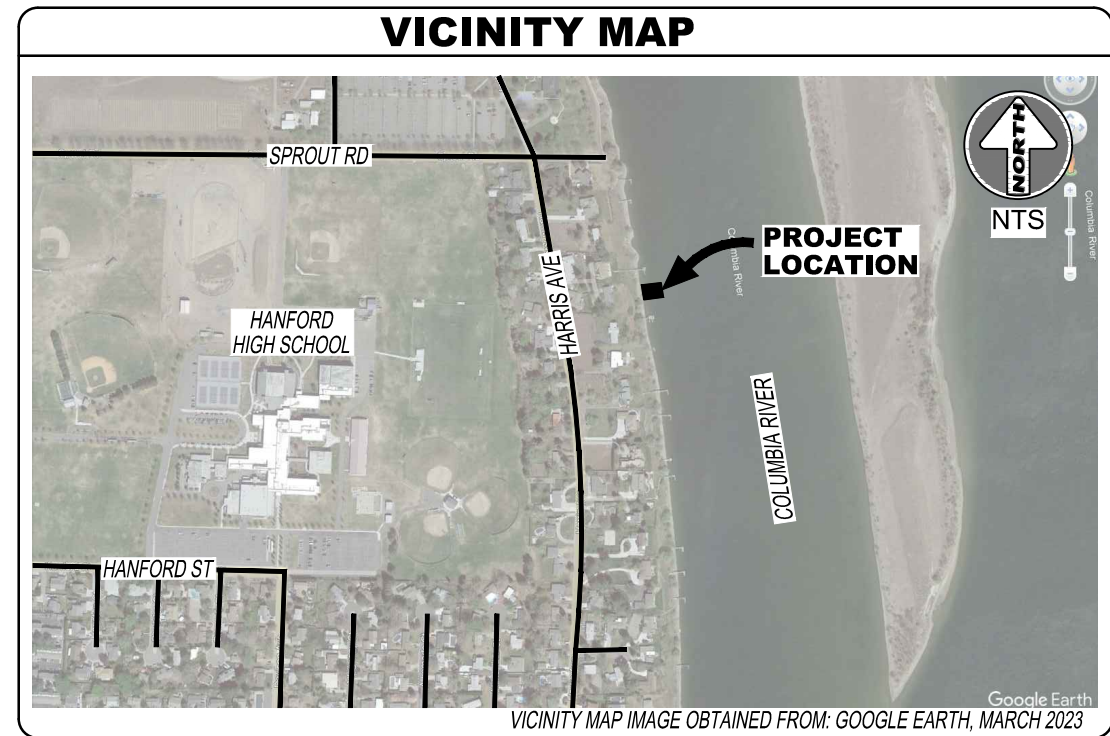
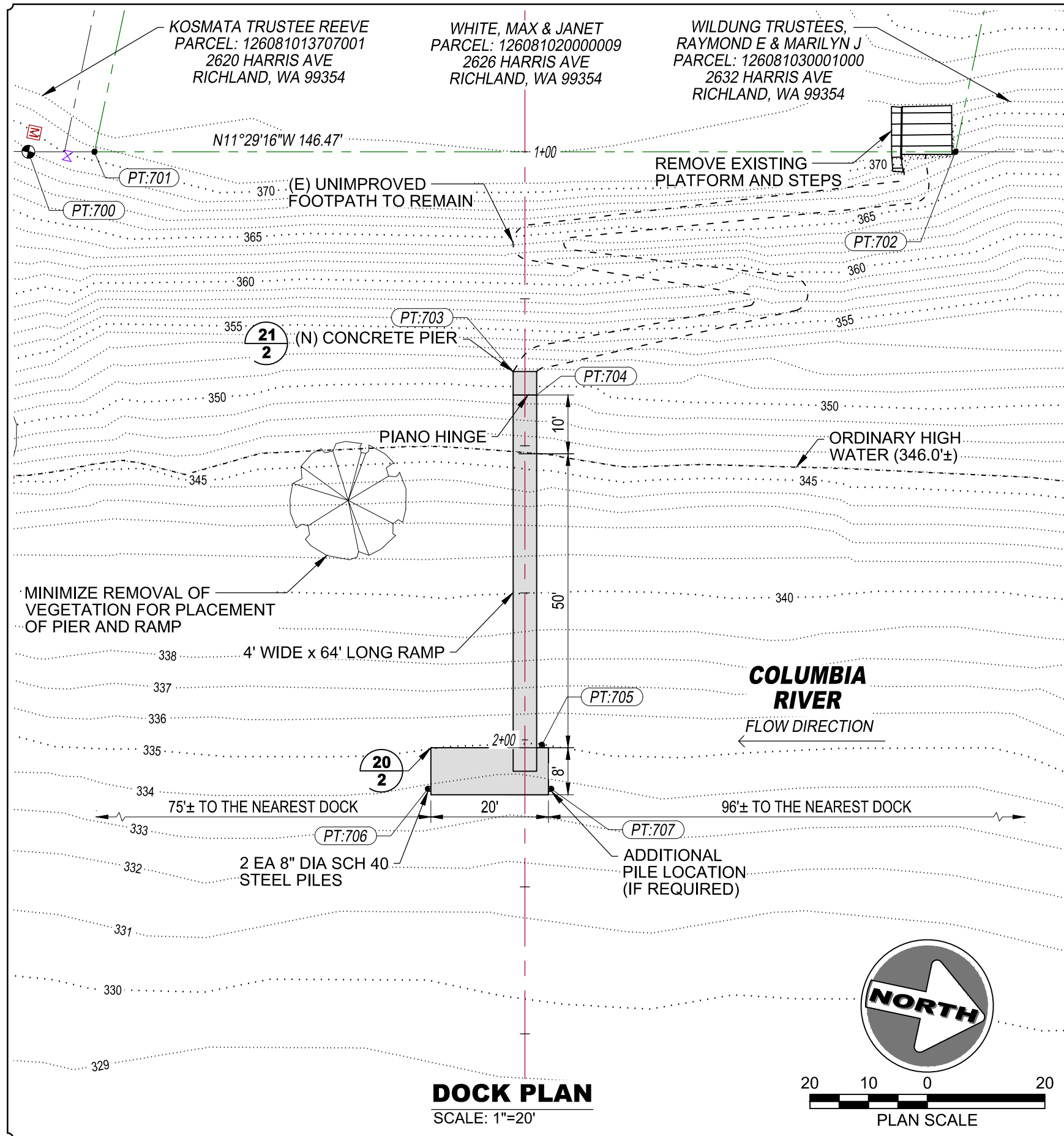
- **Proposed measures to avoid or reduce shoreline and land use impacts are:**

**6. How would the proposal be likely to increase demands on transportation or public services and utilities?**

- **Proposed measures to reduce or respond to such demand(s) are:**

**7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.**





**DATUM - BENCHMARK**

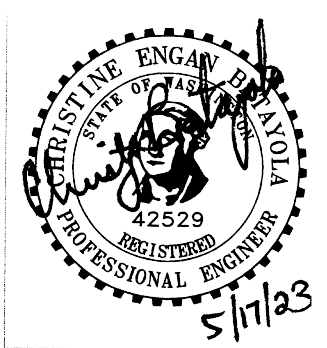
**BASIS OF BEARING:** WASHINGTON STATE PLANE, SOUTH ZONE, NAD83  
**VERTICAL DATUM:** NGVD29  
**BENCHMARK:** FND 3" BRASS CAP U-88 ELEV: 369.85

**REFERENCE MATERIALS**

1. TOPOGRAPHIC SURVEY, JOB 23010, DATED 03/13/2023, PERMIT SURVEYING INC, 2245 ROBERTSON DRIVE, RICHLAND, WA 99354

**PROJECT POINTS**

PT #	DESCRIPTION	ELEV	NORTHING	EASTING
700	FND 3" BRASS CAP U-88	369.85	364,857.29	1,953,415.24
701	FND 5/8" REBAR & CAP "12594"	371.60	364,868.31	1,953,413.09
702	FND 5/8" REBAR & CAP "13352"	367.18	365,011.84	1,953,383.69
703	PIER CORNER	350.90	364,945.56	1,953,435.42
704	PIER CORNER	350.90	364,950.27	1,953,438.54
705	PILE CENTER	350.00	364,963.01	1,953,496.67
706	PILE CENTER	350.00	364,945.46	1,953,507.89
707	PILE CENTER ADD'L	350.00	364,966.04	1,953,503.71



**HARMS ENGINEERING, INC.**  
 1632 W Sylvester Street, Pasco WA 99301 | 509.547.2679 | HarmsEngineering.com  
 Drawn By: D POOK  
 Designed By: C BAYAYOLA  
 File Name: 23-018 - White Replacement Private Dock 01 - Plot1.dwg  
 File Path: P:\2023\23-018 - White, Max - Replacement Dock Design\Drawings

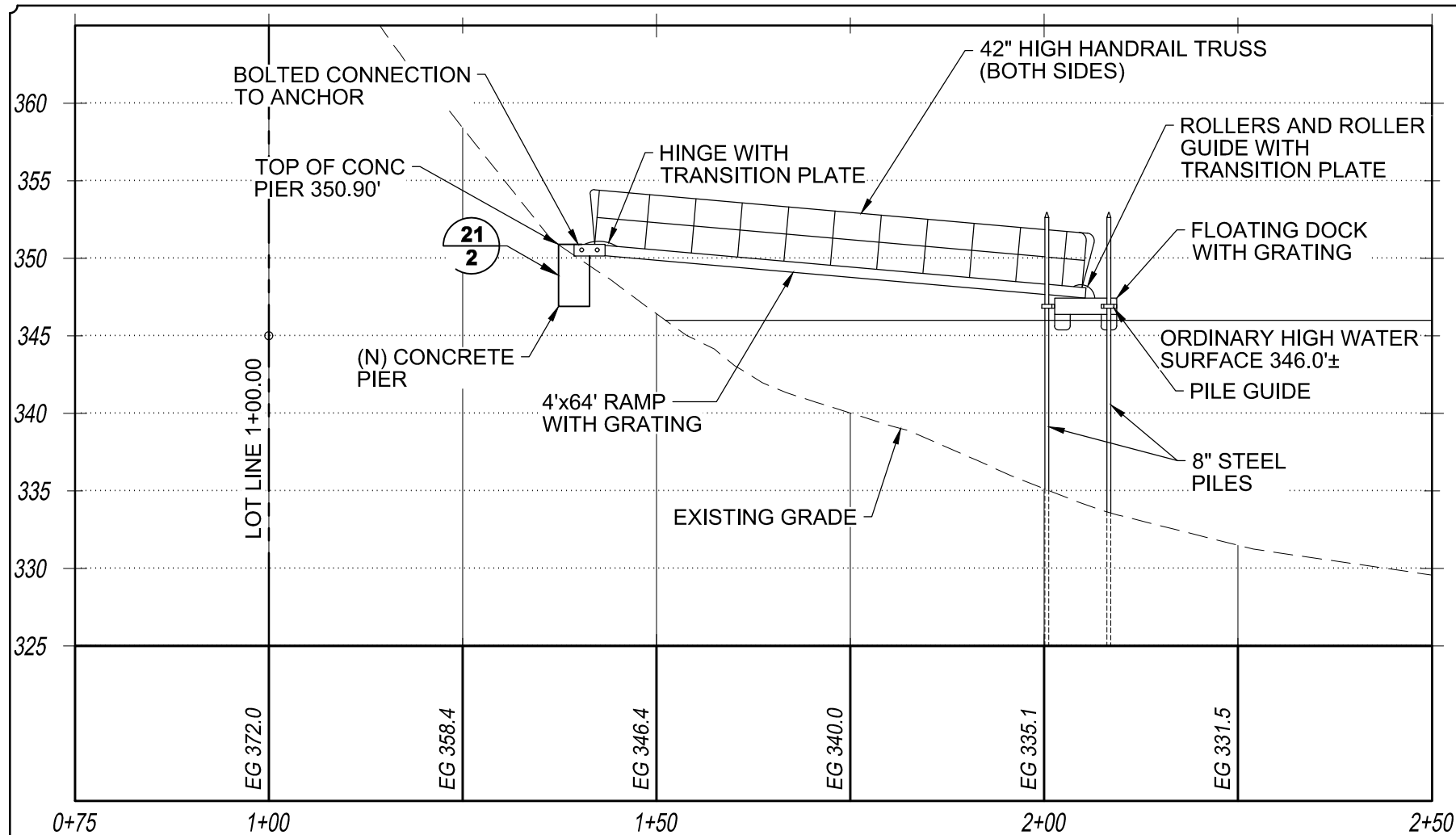
Rev	Date	By	Description

**WHITE DOCK DESIGN DOCK PLAN**  
 2626 HARRIS AVE, RICHLAND, WA 99352  
**MAX WHITE @ YAHOO.COM**  
 2626 HARRIS AVE, RICHLAND, WA 99352  
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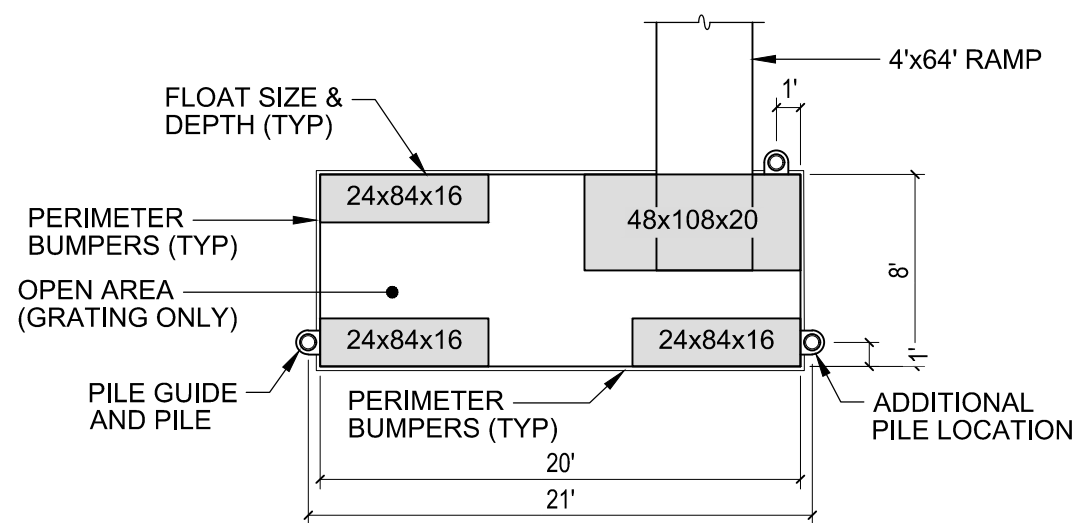
**DATE:** 05-17-2023  
**PROJECT NUMBER:** 23-018.1  
**SHEET NUMBER:** 1

**Client/Project Information**  
 Drawing Name  
 Date  
 Project Number  
 Sheet Number

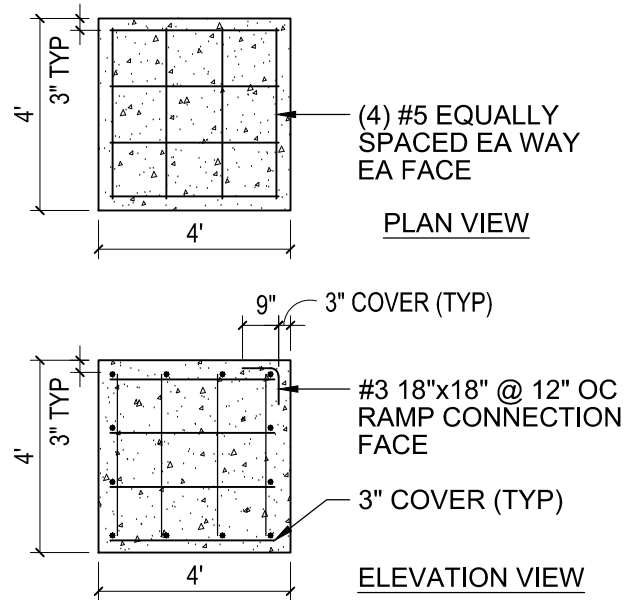
NW 1/4 SECT 25 T10N R28E WM



**DOCK PROFILE**  
SCALE: 1"=20' (H), 1"=10' (V)



**20**  
**1** **DOCK FLOAT PLAN**  
SCALE: NONE



**21**  
**1,2** **CONC PIER REINFORCING**  
SCALE: NONE

**NOTES**

**GENERAL:**

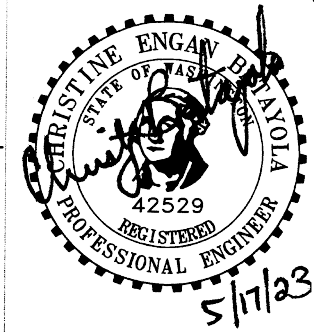
- DOCK TO MEET ALL REQUIREMENTS OF THE MCNARY SHORELINE MANAGEMENT PLAN (MSMP), JANUARY 2012, APPENDIX B: DOCK DESIGN CRITERIA.
- ACTUAL CONSTRUCTION IS THE RESPONSIBILITY OF THE SUPPLIER, AND WILL BE IN COMPLIANCE WITH THE DESIGN REQUIREMENTS OUTLINED ON THIS DOCUMENT AND THE MSMP.
- UNCURED CONCRETE OR ITS BYPRODUCTS SHALL NOT BE ALLOWED IN CONTACT WITH THE RIVER.
- DOCK TO BE BUILT OF MATERIALS THAT DO NOT LEACH PRESERVATIVES OR OTHER MATERIALS KNOWN TO BE DELETERIOUS TO FISH.
- CONSTRUCTION LIMITED TO THAT ALLOWED BY PERMIT.
- DOCK CONSTRUCTION TO BE MITIGATED PER MCNARY SHORELINE MANAGEMENT PLAN, JAN 2012, APPENDIX D: MITIGATION.
- ENTIRE SURFACE OF RAMP AND DOCK TO BE COVERED WITH GRATING HAVING AT LEAST 50% OPEN AREA:
  - SURGE 50 SERIES, 50% OPEN AREA, AS MANUFACTURED BY THRUFLOW.
  - FIBERGRATE WITH 1"x4"x1" DEEP RECTANGULAR MESH, 69% OPEN AREA, WITH AQUAGRIP TEXTURED SURFACE AS MANUFACTURED BY GRATING PACIFIC.
  - STEEL DEK ECO SERIES, 60% OPEN AREA, PVC ENCAPSULATED STEEL, AS MANUFACTURED BY XCCENT MARINA.
  - OR ENGINEER APPROVED EQUAL.
- DOCK FRAME TO BE GALVANIZED STEEL OR ALUMINUM WITH GRATING SUPPORTS AT A MAXIMUM OF 24" OC.
- FLOATS TO BE FULLY ENCAPSULATED FOAM, FLOAT SIZE AND ARRANGEMENT MAY BE ADJUSTED BY SUPPLIER TO LEVEL DOCK AS NECESSARY. MAXIMUM FLOAT AREA TO BE 50% OF DOCK AREA.
- RAMPS TO BE 4' WIDEx64' LONG ALUMINUM TRUSS ARCH W/42" HANDRAIL, HINGE ON BANK SIDE, ROLLERS ON DOCK SIDE, AS MANUF BY ANBO, WAHOO DOCKS, MANTLE, OR ENGINEER APPROVED EQUAL.
- PILES TO BE 8" DIA SCH 40 STEEL. EMBED PILES A MINIMUM OF 14'-6" INTO RIVER BED. INSTALL CONED PILE CAP TO PREVENT BIRDS FROM PERCHING. 6" DIA SCH 40 MAY BE USED IN LIEU OF 8" DIA SCH 40, EMBEDMENT SHALL BE INCREASED TO 16'-1". **VIBRATORY PILE DRIVER ONLY - NO IMPACT DRIVING.**
- ADDITIONAL PILE(S) (4 TOTAL) MAY BE REQUIRED IF EMBEDMENT CAN'T BE ACHIEVED, CONTACT ENGINEER OF RECORD FOR EMBEDMENT.

**DESIGN CRITERIA:**

- RIVER FLOW: 7 FPS (100-YEAR RETURN), 4.75 FPS (3-YEAR RETURN).
- LIVE LOAD: 10 PSF = 10 PEOPLE MAXIMUM.
- WIND: 85 MPH, EXP D.

**DOCK AREA SUMMARY**

DOCK AREA	=	160 SF
FLOAT AREA	=	78 SF
OPEN AREA	=	82 SF
PERCENT OPEN AREA	=	51%



NW 1/4 SECT 25 T10N R28E WM

**HARMS ENGINEERING, INC.**  
1632 W Sylvester Street, Pasco WA 99301 | 509.547.2679 | HarmsEngineering.com  
Designed By: C BAYOLA  
File Name: 23-018-1 White Replacement Private Dock 01 - Private - May 17, 2023, 3:51:54 PM  
File Path: P:\2023\23-018-1 White, Max - Replacement Dock Design\Draws

Rev	Date	By	Description

**WHITE DOCK DESIGN PROFILE AND NOTES**  
2626 HARRIS AVE, RICHLAND, WA 99352  
**MAX WHITE**  
2626 HARRIS AVE, RICHLAND, WA 99352  
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Client/Project Information  
Date: **05-17-2023**  
Project Number: **23-018.1**  
Sheet Number: **2**



## Kye Carpenter Work

Inbox - Yahoo! 1:14 PM

RE: [Non-DoD Source] 2626 Harris Dock Permit Number 5-0083

To: Max White

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My name is Kye Carpenter I managed the McNary Shoreline Plan 2012 for the US Army Corps of Engineers.

The Max White dock at 2626 Harris Ave is an older structure and to make any significant repair would need to meet the new standards of the 2012 McNary Shoreline Management Plan . The only practical way of doing this would be to replace the dock. Thus, the replacement has become the most common method of repair for these older docks, and they have to bring the dock up to the new ESA standards for Fish on the Columbia River. These types of activities have already been reviewed by USWF, NOAA, Tribes, WDFW, and the Corps. If you have any questions feel free to contact me anytime as there will probably be more docks along Harris that will need replacement in the future.

Thank You

Kye Carpenter

2339 Monument Drive

Burbank WA 99323

509-543-6062 Office

509-492-6278 Cell

Natural Resource Specialist (Shoreline Manager, Real Estate, Cultural, and Parks)

Walla Walla District - McNary Shoreline Management Plan (army.mil)

Does your boat have all of its required safety equipment?

Trust is the glue of life. It's the most essential ingredient in effective communication. It's the foundational principle that holds all relationships. "Stephen R. Covey"

Trust your employees they can move mountains! "Kye Carpenter"