

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commander  
United States Coast Guard  
Thirteenth District

915 Second Avenue  
Seattle, WA 98174-1067  
Staff Symbol: dpw  
Phone: (206) 220-7282

February 24, 2021

## **PUBLIC NOTICE (1-21)**

### **BRIDGE PERMIT APPLICATION TO CONSTRUCT SEISMIC UPGRADES AND ADDITIONAL TRAVEL LANES ON THE EXISTING I-205 ABERNETHY BRIDGE ACROSS THE WILLAMETTE RIVER, MILE 25.5, BETWEEN THE CITIES OF WEST LINN AND OREGON CITY, CLACKAMAS COUNTY, OREGON**

All interested parties are notified that the Commander, Thirteenth Coast Guard District, has received an application from the Oregon Department of Transportation (ODOT), requesting approval of the location and plans for the modification of a highway bridge over a navigable waterway of the United State. The public is highly encouraged to review this notice with attached plans carefully, and provide comments on the proposed project.

**WATERWAY AND LOCATION:** The project location is at river mile 25.5 of the Willamette River, between the cities of West Linn and Oregon City, in Clackamas County, Oregon.

**CHARACTER OF WORK:** The project purpose is to seismically upgrade the existing I-205 Abernethy Bridge, which is a fixed, 15-span steel girder and box girder bridge that carries motor vehicle traffic over the Willamette River on I-205. There are no pedestrian facilities on the existing bridge and no pedestrian facilities are proposed. The Oregon City Bridge south of the I-205 Abernethy Bridge provides pedestrian facilities. The existing bridge is 104 feet wide and after the proposed seismic upgrades the bridge will be 201.51 feet wide, an increase of 97.51 feet. The existing bridge has six lanes for motor vehicle traffic and the proposed upgrade to the bridge will add an additional 2 lanes for a total of eight lanes (one additional lane in each direction). The existing bridge piers will be replaced in the same location with larger (wider) piers for the new bridge. After construction of the new piers, the existing piers will be removed down to 5 feet below the river bottom. To aid demolition of old bridge piers and construction of new piers, two temporary work platforms will be constructed, one extending from each bank of the river. Navigational clearances for the existing and proposed bridges as well as during the construction phase are provided below.

### **MINIMUM NAVIGATIONAL CLEARANCES**

	<u>Existing</u>	<u>Proposed</u>
Horizontal:	325 feet (at mean high water (MHW))	265 feet (MHW)

Vertical\*: 76 feet (CRD) / 51.8 feet (MHW) 79 feet (CRD) / 54.8 feet (MHW)

**MINIMUM NAVIGATIONAL CLEARANCE due to temporary structure during construction period (approximately 4 years):**

Horizontal: 150 feet (at MHW)

Vertical\*: 79 feet (CRD) / 54.8 feet (MHW)

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\*Note: Vertical clearance is represented by two numbers. The first is the difference between 0.0 feet Columbia River Datum (CRD) and elevation of low steel using CRD. The second is the difference between mean high water and elevation of low steel based on NAVD 88 Datum.

**ENVIRONMENTAL CONSIDERATIONS:** The U.S. Federal Highway Administration (FHWA) is the Lead Federal Agency (LFA) for satisfying the requirements of the National Environmental Protection Act (NEPA) for this project. The LFA acts on behalf of the U.S. Coast Guard (USCG) for all environmental control laws. FHWA has issued a NEPA Categorical Exclusion (CE). The U.S. Coast Guard (USCG) tentatively plans to issue its own CE.

The State of Oregon Department of Environmental Quality (ODEQ) reviewed the project pursuant to Section 401 of the Clean Water Act (CWA) with applicable provisions of State water pollution control laws. IDEQ has issued a Water Quality Certification pursuant to Section 401, Public Law 92-500, 33 USC Section 1341, as amended.

The 100-year flood elevation is 43.2 feet (CRD) and 49.0 feet (NAVD88). The proposed low steel elevation of the new bridge is 79.0 feet (CRD) and 84.8 feet (NAVD88). The project is located in the floodplain and has been issued a floodplain permit from the Oregon Department of Land (ODL).

**SOLICITATION OF COMMENTS:**

The decision as to whether to grant approval of the location and plans for the proposed action rests primarily upon the effect it has on navigation.

Mariners are requested to comment on the placement of bridge piers, clearances and other navigational safety issues, including the need for clearance gauges and extent of nighttime navigation passing through the bridge to determine the need for bridge lighting.

We will forward comments of an environmental nature such as those regarding wildlife refuges, public parks, historic sites, wetlands, floodplain issues, air, water quality, environmental justice, etc. to the FHWA. Comments will be received for the record at the office of: Commander (dpw), Thirteenth Coast Guard District, 915 2<sup>nd</sup> Avenue, Rm 3510, Seattle, WA 98174-1067, or via email at [D13-SMB-D13-BRIDGES@uscg.mil](mailto:D13-SMB-D13-BRIDGES@uscg.mil). Comments should be mailed to arrive on or before March 31, 2021. Comments received by the due date will be made part of the case record.

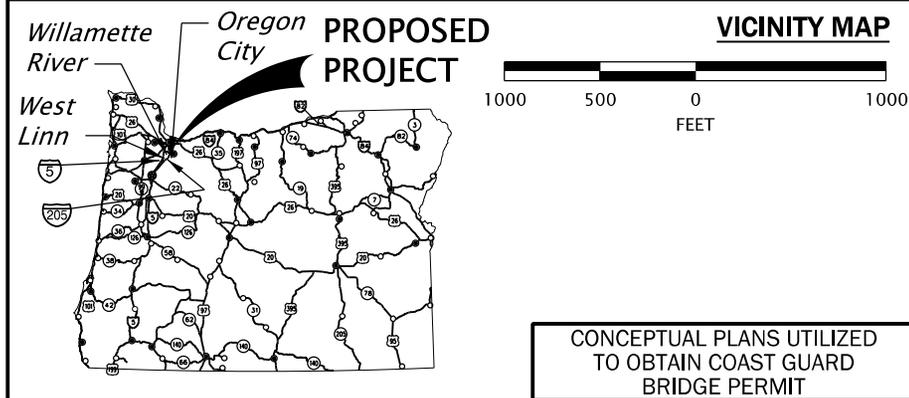
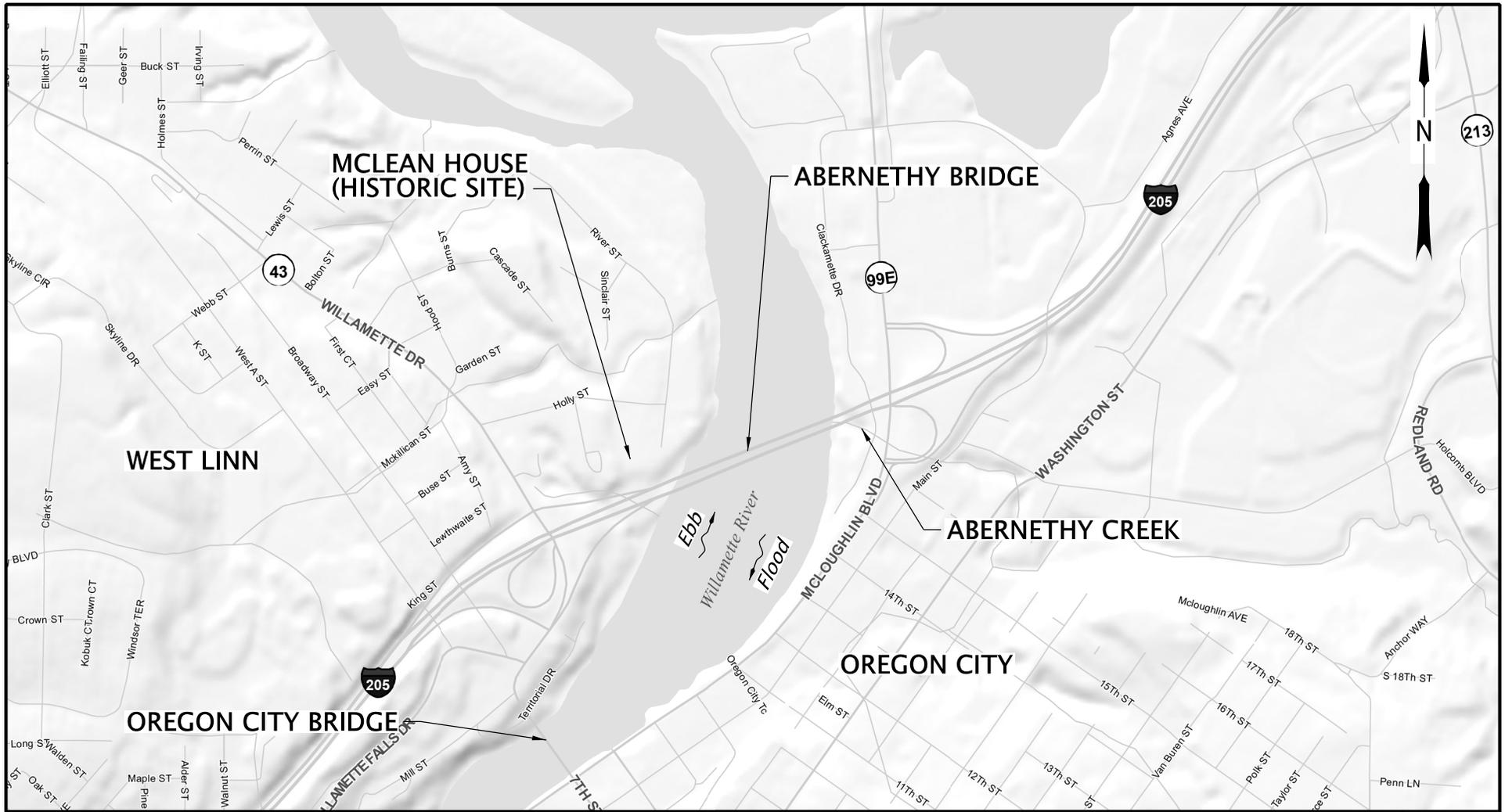
It is requested that this information be brought to the attention of any person having an interest in this who may not have received a copy of this public notice.

Map of location and plans attached.

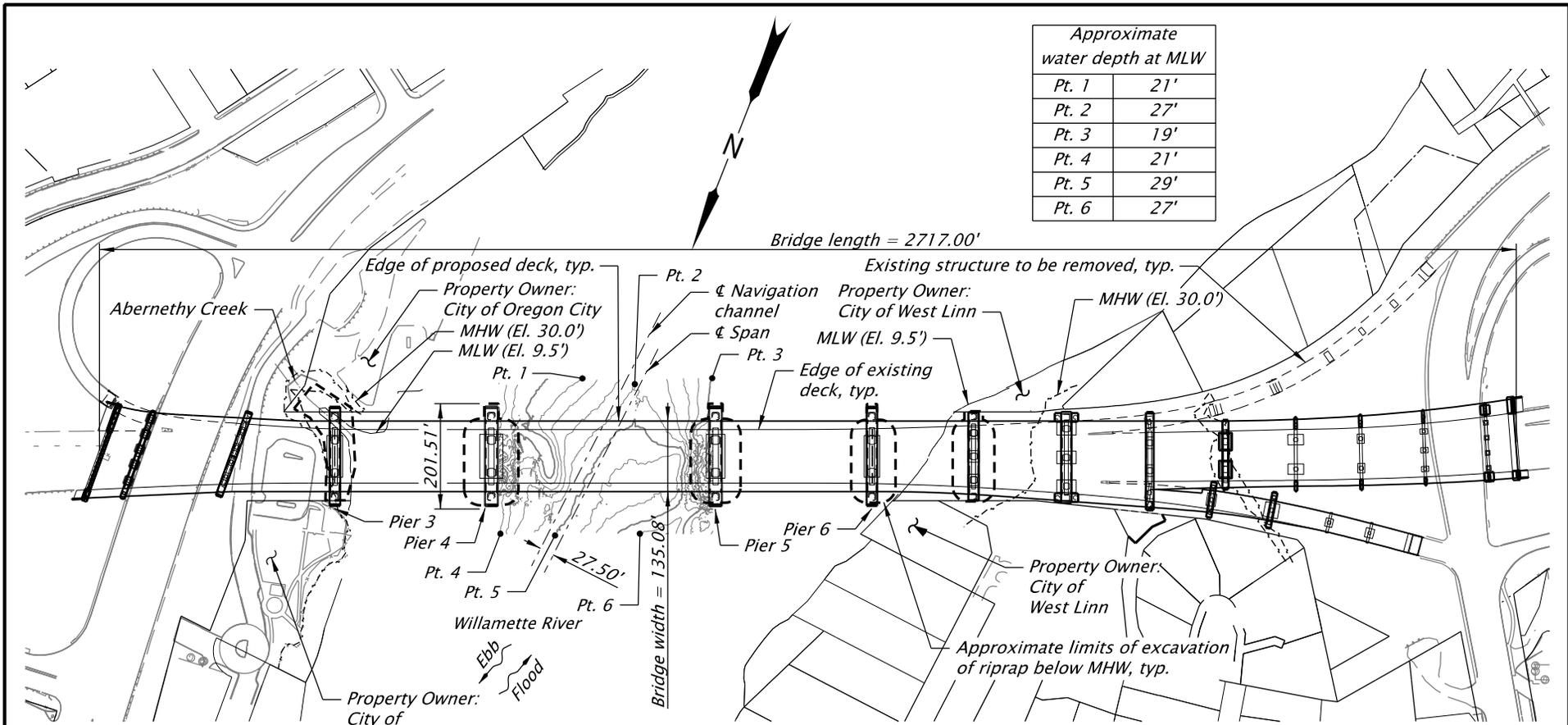
All federal, state and local agencies and public representatives are requested to submit an e-mail address(es) to the project manager to obtain this public notice and announcements of future public notices from this office.

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STEVEN M. FISCHER  
Bridge Program Administrator  
Thirteenth Coast Guard District  
By direction of the District Commander

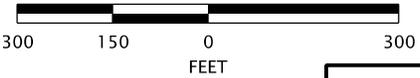


APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION		
CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING		
<b>I-205 ABERNETHY BRIDGE WILLAMETTE RIVER, MILE 25.5 OREGON CITY - WEST LINN CLACKAMAS COUNTY, OREGON</b>		
<b>LOCATION/VICINITY MAP FOR COAST GUARD PERMIT</b>		
<b>SHEET 1 OF 6</b>		DATE <b>2/17/21</b>



Approximate water depth at MLW	
Pt. 1	21'
Pt. 2	27'
Pt. 3	19'
Pt. 4	21'
Pt. 5	29'
Pt. 6	27'

**PLAN**



- Notes:**
1. Piers consist of concrete crossbeams, columns, and drilled shafts.
  2. Bridge work consists of widening and seismic retrofit. See sheet 5 for portions of existing structure to be removed and portions to remain adjacent to the navigation channel.

Water Body Name	Removal Volume (cy)	Fill Volume (cy)
Willamette River	39,760 - 44,490	28,696
Abernethy Creek	3,315	2,914

Unless noted otherwise, elevations shown are based on North American Vertical Datum (1988).

MHW = Shoreline

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING



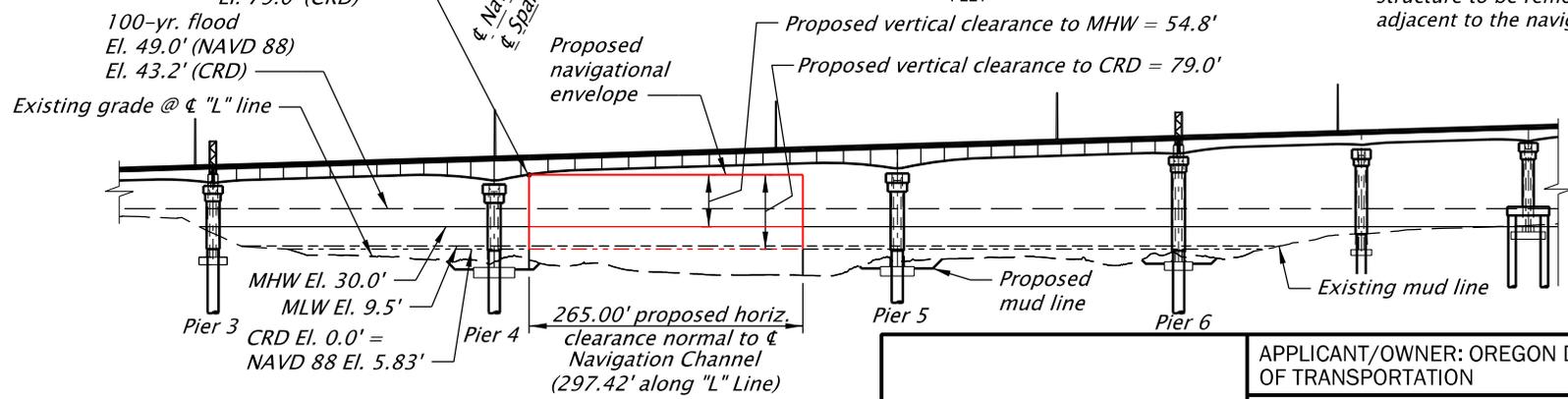
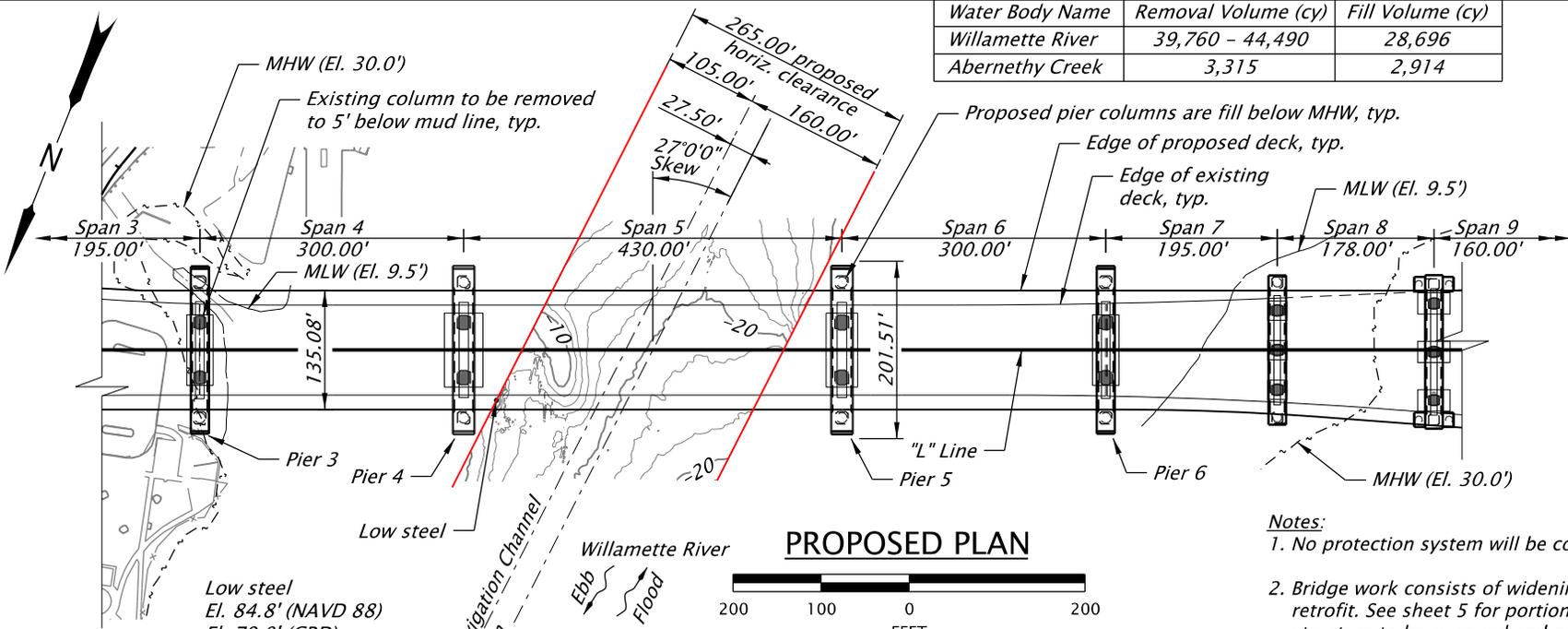
**I-205 ABERNETHY BRIDGE  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
CLACKAMAS COUNTY, OREGON**

OVERALL PLAN VIEW FOR COAST GUARD PERMIT

SHEET 2 OF 6

DATE  
2/17/21

Water Body Name	Removal Volume (cy)	Fill Volume (cy)
Willamette River	39,760 - 44,490	28,696
Abernethy Creek	3,315	2,914



- Notes:**
1. No protection system will be constructed.
  2. Bridge work consists of widening and seismic retrofit. See sheet 5 for portions of existing structure to be removed and portions to remain adjacent to the navigation channel.

Unless noted otherwise, elevations shown are based on North American Vertical Datum (1988).

MHW = Shoreline  
CRD = Columbia River Datum

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING

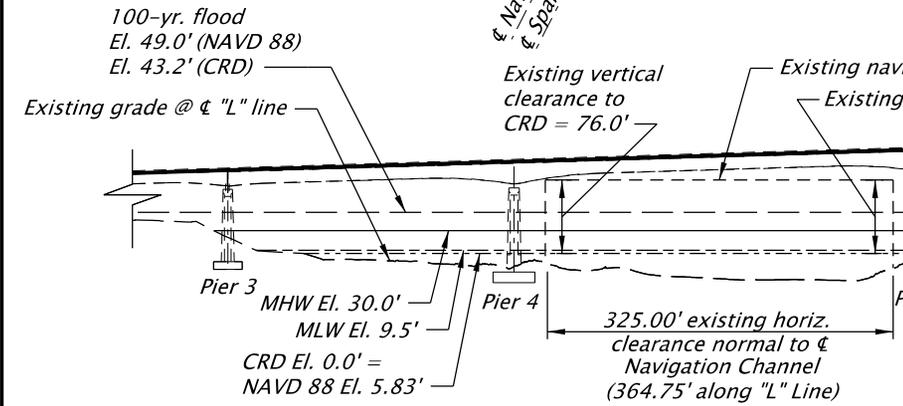
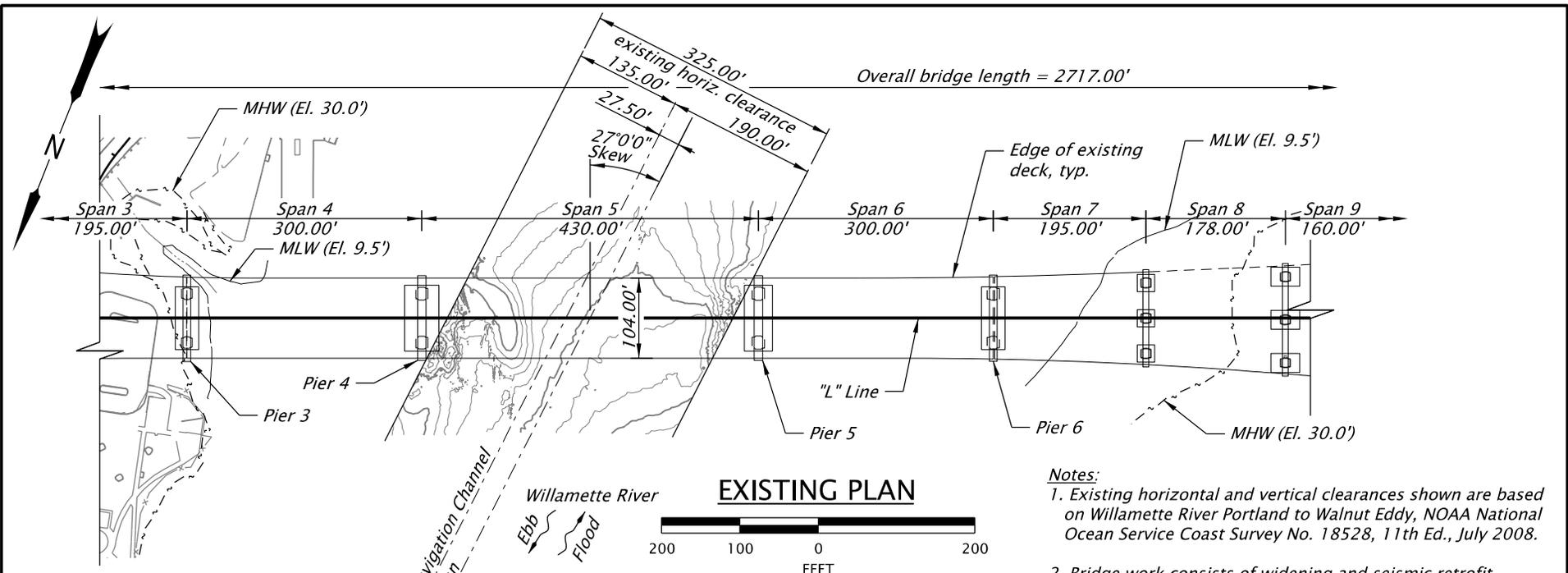


**I-205 ABERNETHY BRIDGE  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
CLACKAMAS COUNTY, OREGON**

**PROPOSED RIVER SPANS PLAN AND ELEVATION  
VIEW FOR COAST GUARD PERMIT**

SHEET 3 OF 6

DATE  
2/17/21



**EXISTING ELEVATION**  
Shown at "L" Line

Unless noted otherwise, elevations shown are based on North American Vertical Datum (1988).

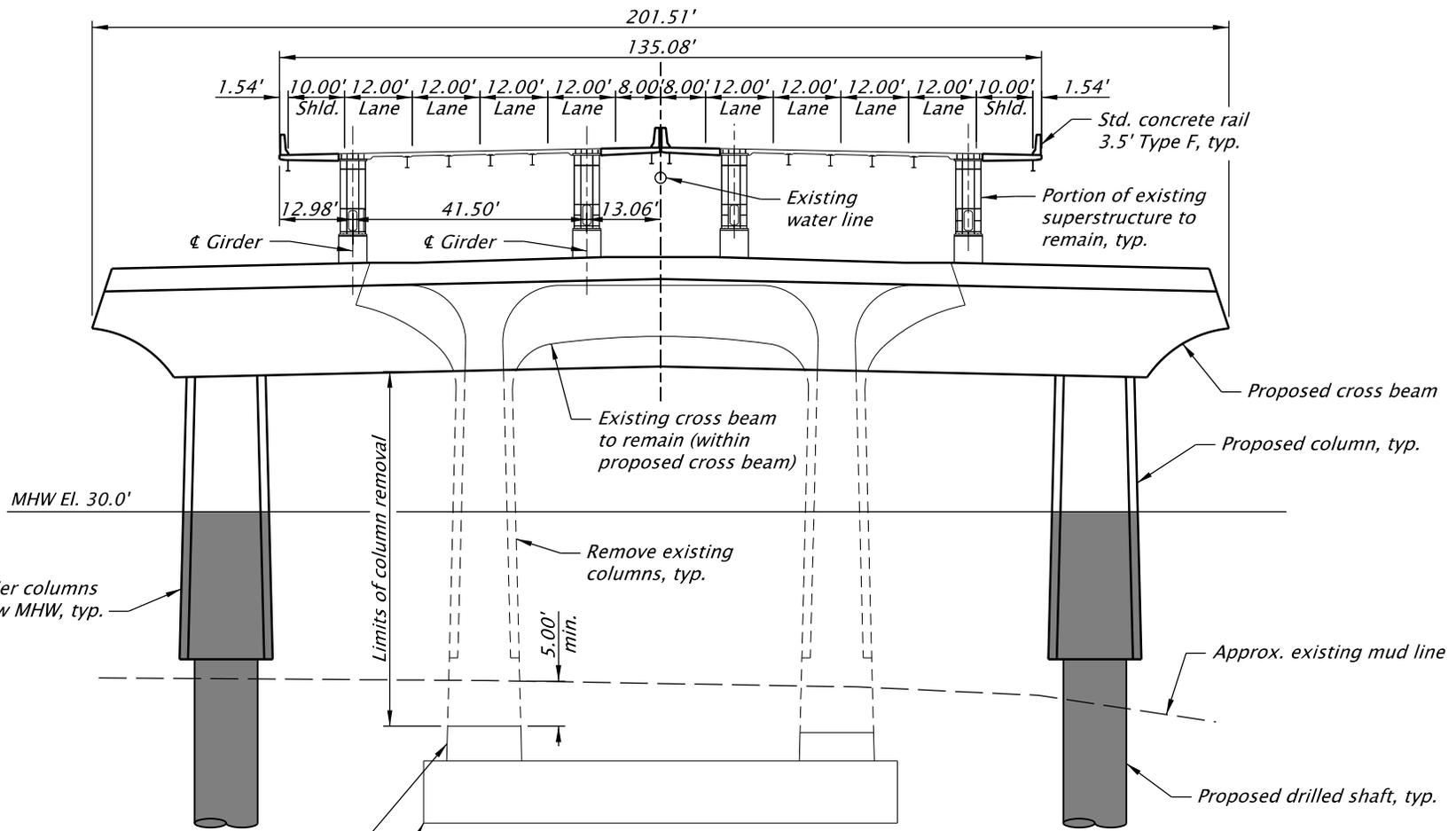
MHW = Shoreline  
CRD = Columbia River Datum

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

**Notes:**

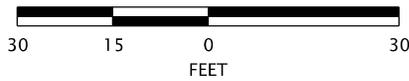
- Existing horizontal and vertical clearances shown are based on Willamette River Portland to Walnut Eddy, NOAA National Ocean Service Coast Survey No. 18528, 11th Ed., July 2008.
- Bridge work consists of widening and seismic retrofit. See sheet 5 for portions of existing structure to be removed and portions to remain adjacent to the navigation channel.

<p>APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION</p> <p>CONSULTANT/AGENT: HDR ENGINEERING &amp; QUINCY ENGINEERING</p>	
<p><b>I-205 ABERNETHY BRIDGE</b> <b>WILLAMETTE RIVER, MILE 25.5</b> <b>OREGON CITY - WEST LINN</b> <b>CLACKAMAS COUNTY, OREGON</b></p>	
<p><b>EXISTING RIVER SPANS PLAN AND ELEVATION VIEW FOR COAST GUARD PERMIT</b></p>	
<p>SHEET 4 OF 6</p>	<p>DATE 2/17/21</p>



**TYPICAL SECTION**

Pier 4 shown. Piers 3 and 5-8 similar.



Note:  
Existing columns to be removed to 5'  
below existing mud line.

CONCEPTUAL PLANS UTILIZED  
TO OBTAIN COAST GUARD  
BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT  
OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING &  
QUINCY ENGINEERING

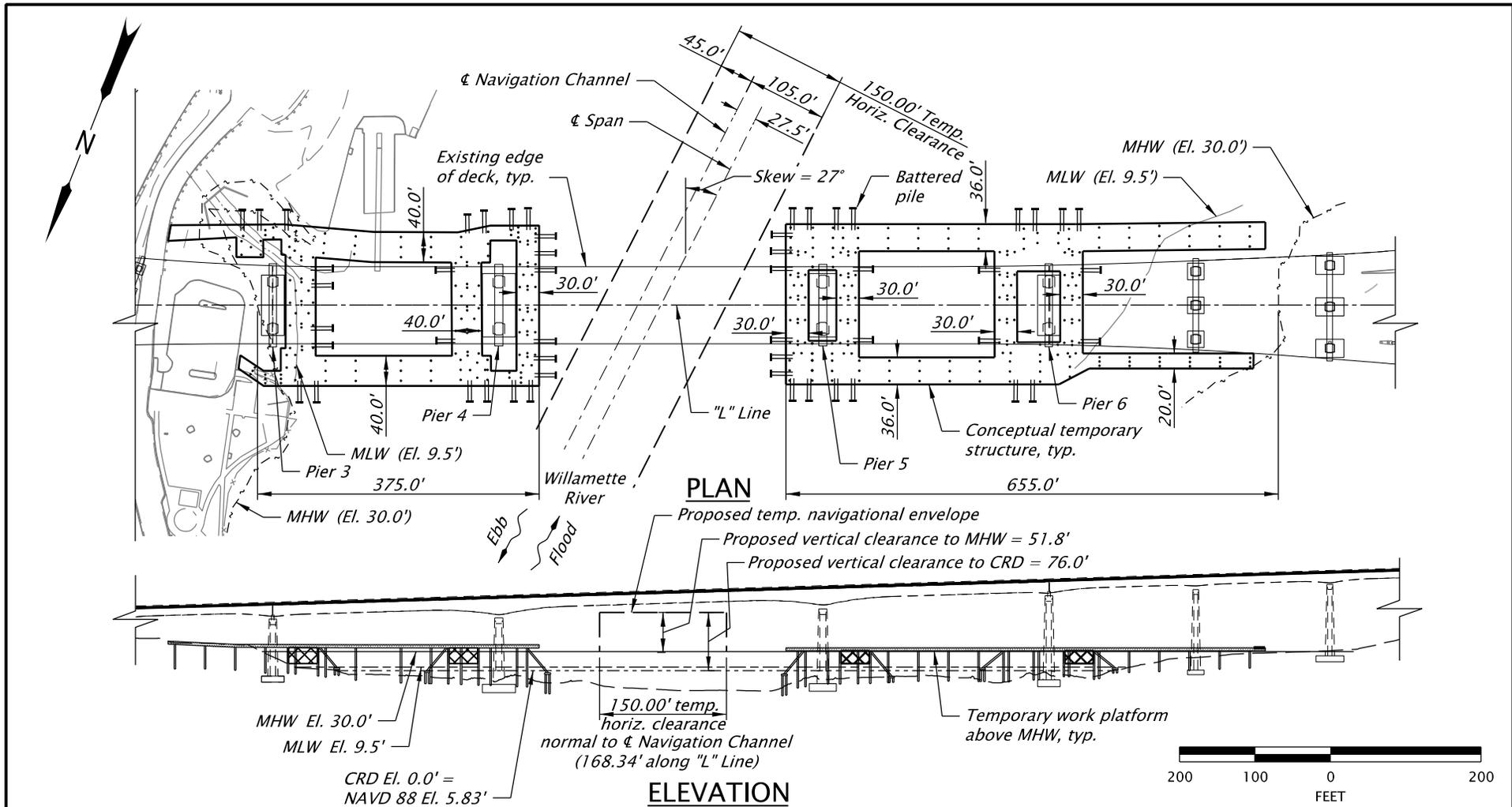


**I-205 ABERNETHY BRIDGE  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
CLACKAMAS COUNTY, OREGON**

**TYPICAL SECTION VIEW  
FOR COAST GUARD PERMIT**

**SHEET 5 OF 6**

DATE  
2/17/21



**Notes:**

Existing bridge is being widened. Only portions of the structure will be removed to allow for widening.

Only existing bridge structure and conceptual temporary structures are shown for clarity.

Dimensions shown for conceptual temporary work structure may be modified prior to construction plan approval. Horizontal and vertical clearances shown will be maintained.

Unless noted otherwise, elevations shown are based on North American Vertical Datum (1988).

MHW = Shoreline  
CRD = Columbia River Datum

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING



**I-205 ABERNETHY BRIDGE  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
CLACKAMAS COUNTY, OREGON**

**TEMPORARY STRUCTURES FOR COAST GUARD PERMIT**

**SHEET 6 OF 6**

DATE  
2/17/21