

# PUBLIC NOTICE

U.S. Army Corps  
of Engineers  
New York District, CENAN-OP-RU  
Upstate Regulatory Field Office  
1 Buffington Street, Bldg. 10, 3<sup>rd</sup> Fl. North  
Watervliet, New York 12189-4000

**In replying refer to:**

Public Notice Number: NAN-2019-01113-USH  
Issue Date: April 14, 2022  
Expiration Date: May 13, 2022

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S. C. 1344).

APPLICANT: P & M Brick, LLC  
2170 River Road  
Coeymans, New York 12045

ACTIVITY: Dredging with upland disposal and return flow to the waterway, with 10-year maintenance dredging, the installation of a new wharf and inlet, and the removal of existing trestle pier structures.

WATERWAY: Hudson River

LOCATION: Town of Coeymans, Albany County, New York

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE SENT VIA ELECTRONIC MAIL TO [Brad.Sherwood@usace.army.mil](mailto:Brad.Sherwood@usace.army.mil), OR PREPARED IN WRITING AND MAILED TO THE ATTENTION OF BRAD SHERWOOD AT THE ABOVE ADDRESS, TO REACH THIS OFFICE BY THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to adversely affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts, and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. However, archaeological and/or historic resources have been identified in the project's vicinity. Therefore, further consultation with the N.Y.S. Office of Parks, Recreation and Historic Preservation (SHPO) and Tribal Historic Preservation Office (THPO) regarding potential effects to archaeological and/or historic resources is being conducted and will be concluded prior to the final decision.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision. This public notice serves as notification to the Administrator of the Environmental Protection Agency (EPA) pursuant to section 401(a)(2) of the Clean Water Act. If EPA determines that the proposed discharge may affect the quality of the waters of any state

other than New York, it will so notify such other state, the district engineer, and the applicant. If such notice or a request for supplemental information is not received within 30 days of issuance of this public notice, the district engineer will assume EPA has made a negative determination with respect to section 401(a)(2).

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occur. For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator, New York State Department of State, Division of Coastal Resources and Waterfront Revitalization, Coastal Zone Management Program, One Commerce Plaza, 99 Washington Avenue, Albany, New York 12231, Telephone (518) 474-6000. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- New York State Department of Environmental Conservation

In order for us to better serve you, please complete our Customer Service Survey located at:

<http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact Brad Sherwood of this office at (518) 266-6355, or at [Brad.Sherwood@usace.army.mil](mailto:Brad.Sherwood@usace.army.mil).

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>

*Christine Delorier*

**FOR AND ON BEHALF OF**

Stephan A. Ryba

Chief, Regulatory Branch

Enclosures

## **WORK DESCRIPTION**

The applicant, P & M Brick, LLC, has requested Department of the Army permit to conduct dredging, with ten years maintenance, upland disposal and return flow to the waterway, the installation of a new wharf and inlet, and the removal of existing trestle pier structures in the Hudson River, Town of Coeymans, Albany County, New York.

The proposed work includes dredging of approximately 156,000 cubic yards (cy) of sediment from an irregular-shaped area measuring 230,800 square feet (sf) to a depth of 32 feet (ft) below the plane of mean low water (MLW) with 2 ft over dredge to 34 ft MLW. The dredging would be accomplished by a barge-mounted crane with a clamshell bucket to reduce the production of suspended sediments within the water column. In addition, a double-walled silt curtain would be installed during the dredging operation to minimize turbidity. The proposed dredge area is located outside the Federal Navigation Channel. The applicant plans to conduct two (2) additional dredging events within the ten-year maintenance dredging period removing a maximum of approximately 10,000 CY per event from within the same dredging area.

The dredged material would be placed in a scow for transfer to the offloading area on the east side of the Port of Coeymans main driveway. The scow would dock and be offloaded by a land-mounted long reach excavator for transport into dump trucks. The dump trucks would transfer the sediments from the barge to a dewatering and temporary stockpile area located upland on the east side of the main driveway.

Return flow water from the upland contained dewatering area back down to the river would occur after some time for the suspended sediments to settle out and collect on the bottom of the upland contained dewatering area as shown on the attached permit application drawings. The dewatered dredged material would be used as upland re-use and fill in accordance with a Beneficial Use Determination (BUD) from the NYSDEC Division of Solid Waste.

A new wharf, 400 ft long by 70 ft wide, would be constructed along the existing deteriorated timber bulkhead at the base of the riverbank. The wharf would be constructed by inserting a grid of steel pilings to bedrock and capped with steel reinforced concrete decking formed over top of these structural supports. The piles would be 24-inch steel cast-in-place (CIP with concrete fill) and would be driven to bedrock and be on approximately a 15 ft x 15 ft grid pattern. The installation technique would involve vibrating and then using a pile hammer to proof when reaching soil or rock refusal. Additionally, a steel sheeting bulkhead would be constructed first along the face of the new wharf and extend well below the mudline. This new bulkhead would create a watertight seal and separate the proposed wharf construction from the Hudson River and allow for all construction activities such as drilling of the soil anchors, pile installations and backfilling to be performed behind the wall and in the dry. This sheet piling installed along the wharf would be installed on average of 2 ft in front of the existing timber bulkhead. The bulkhead would extend vertically about 10' above the top of the existing wooden bulkhead. This bulkhead construction would entail backfilling 550 CY below the mean high water (MHW) with clean structural fill behind the new bulkhead wall and under the new wharf. The bulkhead would be vibrated to bedrock, and horizontally restrained by several rows of soil anchors with 9' on center spacing. The wall would be capped by concrete and have a 24-inch thick minimum reinforced concrete slab placed on the steel

piles. In addition to the proposed bulkhead at the main wharf, an inlet/canal located at the southern end of the new wharf would be excavated out of upland to facilitate the loading and unloading of smaller barges. The new wharf would be formed by the continuation of the sheet pile bulkhead, with dredging utilized to form a consistent draft at the new wharf to 32 ft below MLW.

Eight (8) 5 ft diameter steel pipe breasting piles would be installed on both the ends of the new wharf with six (6) piles to the south of the new wharf and two (2) piles on the north end to accommodate vessel docking and tie off. A three (3) ft wide steel walkway would be constructed between each breasting pile and the walkway would be accessed from upland via three 12 ft wide steel grating walkways.

The existing shoreline is currently stabilized with riprap in the area of the newly proposed wharf. However, the existing riprap would be extended to the northerly most breasting pile and along the southern end of the inlet and would slope below Mean High Water (MHW) down to the proposed dredge depth. This new slope riprap would cover an area of 7,500 SF and volume of 300 CY below MHW.

A spud barge, 250 ft long x 50 ft wide, would be permanently moored at the end of the existing inlet canal at the southern end of the port. The barge platform would facilitate other barge loading and onloading activities at the end of the inlet. The barge would be accessed via a 40 ft long x 25 ft wide ramp connected to the existing concrete apron of the inlet. This loading platform is proposed to service existing port activities and limit conflicts with future activities associated with new wharf.

In addition, the four (4) existing trestle pier structures would be removed to facilitate the installation of the new wharf and inlet. The structures would be removed utilizing a barge mounted crane, including removal of walkways, mats, beams, pile caps and pile extraction by vibratory hammer. All steel piles are proposed to be completely removed, but all structures shall be removed to at least 18" below the mudline.

The applicant has stated that they have avoided, minimized, and mitigated for potential impacts proposed to the maximum extent practicable by limiting the proposed work area to the minimum area required for safe and reasonable operation at the Port of Coeymans. Any potential impacts would be temporary and would be offset by implementing best management practices associated with the proposed use of a turbidity curtain and beginning the proposed work in September to avoid potential impacts during the fish spawning season (April – June).

The stated purpose of this project is to provide sufficient access and draft within the existing active port and allow for expanded operations to better facilitate current and future operations at the Port of Coeymans, including to accommodate and service the unique needs associated with fabrication and assembly of large, heavy offshore wind (OSW) components, including but not limited to platforms, anode cages, blades, jackets, monopiles and concrete Gravity Base Structures (GBS's).

# ***P&M OSW INFRASTRUCTURE PROJECT HUDSON RIVER (MILE 133.5) TOWN OF COEYMANS ALBANY COUNTY, NEW YORK***

**APPLICANT:**  
P&M BRICK, LLC  
2170 RIVER ROAD  
COEYMANS, NY 12045

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying  
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

DATED: APRIL 7, 2020  
LAST REVISED APRIL 1, 2022

SCHEDULE OF DRAWINGS	
SHEET NO.	DRAWING TITLE
	COVER SHEET
1	NOTES
2	SITE LOCATION MAP
3	OVERALL PLAN(1)
4	OVERALL PLAN(2)
5	DREDGE & WHARF PLAN A
6	DREDGE & WHARF PLAN B
7	DREDGE & WHARF PLAN C
8	DREDGE & WHARF PLAN D
9	DREDGE & WHARF SECTION AA (PH2)
10	INLET SECTION BB
11	SHORELINE SECTION(1)
12	SHORELINE SECTION(2)
13	WHARF PLAN VIEW DETAIL
14	TYPICAL PIPE PILE & WALKWAY DETAIL
15	WALKWAY SECTION
16	ACCESS RAMP SECTION
17	TYPICAL PIPE PILE & WALKWAY SECTION
18	INSTALLATION SEQUENCE
19	BANK STABILIZATION
20	DEWATERING NOTES
21	DEWATERING PLAN
22	DEWATERING DISCHARGE PLAN A
23	DEWATERING DISCHARGE PLAN B
24	DEWATERING DETAILS A
25	DEWATERING DETAILS B
26	DEWATERING DETAILS C
27	DEWATERING DETAILS D

MAP REFERENCES:

- 1) MAPS ENTITLED FATHOMETRIC SURVEY PREPARED FOR: P&M BRICK, LLC, RT. 144 COEYMANS, NY 12045 AS PREPARED BY M.G. MCLAREN ENGINEERING ON APRIL 22, 2019.
- 2) MAP ENTITLED "PIERHEAD AND BULKHEAD LINES, HUDSON RIVER, N.Y. WATERFORD TO HUDSON, MULLS TO COEYMANS, SHEET NO. 8 OF 14" AS PREPARED BY THE U. S. ENGINEER SUB-OFFICE FIRST DISTRICT, N.Y. AND APPROVED BY THE OFFICE OF THE NEW YORK HARBOR LINE BOARD NOVEMBER 9, 1933, ALSO APPROVED BY THE SECRETARY OF WAR, OFFICE OF THE CHIEF OF ENGINEERS, WASHINGTON, D.C., APPROVED MAY 10, 1934.

NOTES:

- 1) SUBJECT PARCEL: TOWN OF COEYMANS – TAX MAP 156., BLOCK 4, PARCEL 8.
- 2) GROUND TOPOGRAPHIC SURVEY PREPARED BY INGALLS & ASSOCIATES, LLP FROM A 2019 FIELD SURVEY.
- 3) NORTH IS REFERENCED TO NAD 83 NEW YORK STATE PLANES, EAST ZONE.
- 4) GROUND AND BATHYMETRY VERTICAL DATUM REFERENCED TO NAVD 88.
- 5) RIVER BATHYMETRY INFORMATION SHOWN HEREIN PER MAP REFERENCE 1.
- 6) HUDSON RIVER FEDERAL NAVIGATION CHANNEL SHOWN HEREIN PER MAP REFERENCE 2.
- 7) SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTION; RECORDED OR UNRECORDED.
- 8) SUBJECT TO ANY STATEMENT OF FACT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
- 9) UNDERGROUND UTILITIES IF SHOWN HEREON ARE BASED ON VISIBLE PHYSICAL EVIDENCE. THEY SHOULD BE CONSIDERED SCHEMATIC ONLY AND ARE SHOWN TO DEPICT GENERAL UTILITY CONNECTIONS RATHER THAN EXACT UNDERGROUND LOCATIONS. INGALLS & ASSOCIATES, LLP MAKES NO CERTIFICATION AS TO THE ACCURACY OF THE UNDERGROUND UTILITY LOCATIONS AND OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THIS MAP. CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF ALL UTILITIES PRIOR TO INSTALLATION OF ANY GRAVITY MAIN.
- 10) PROPOSED LOCATION OF ALL STRUCTURAL MEMBERS IS PRELIMINARY. FINAL DESIGN AND LOCATIONS TO BE PROVIDED BY OTHERS.

LEGEND

EXISTING PROPERTY LINE	
ADJACENT PROPERTY LINE	
EXISTING CONTOUR	
EXISTING HYDRANT	
EXISTING UTILITY POLE	
EXISTING SIGN	
EXISTING CATCH BASIN	
EXISTING STORM SEWER	
P&M PROPOSED DREDGE (230,800±SF)	
TZC 2014 DREDGE (50,000±SF)	
P&M 2015 MAINTENANCE DREDGE (79,200±SF)	
P&M ORIGINAL 2007 DREDGE (186,600±SF)	

LATITUDE: N 42° 29' 10"  
LONGITUDE: W 73° 47' 17"

HUDSON RIVER - MI. 133.5

OWNER / APPLICANT:  
P & M BRICK, LLC  
2170 RIVER ROAD  
COEYMANS, NY 12045

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
2	02/08/21	ADDITIONAL DESIGN INFORMATION ADDED	PJY
1	05/11/20	ADDITIONAL INFORMATION ADDED	PJY

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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993



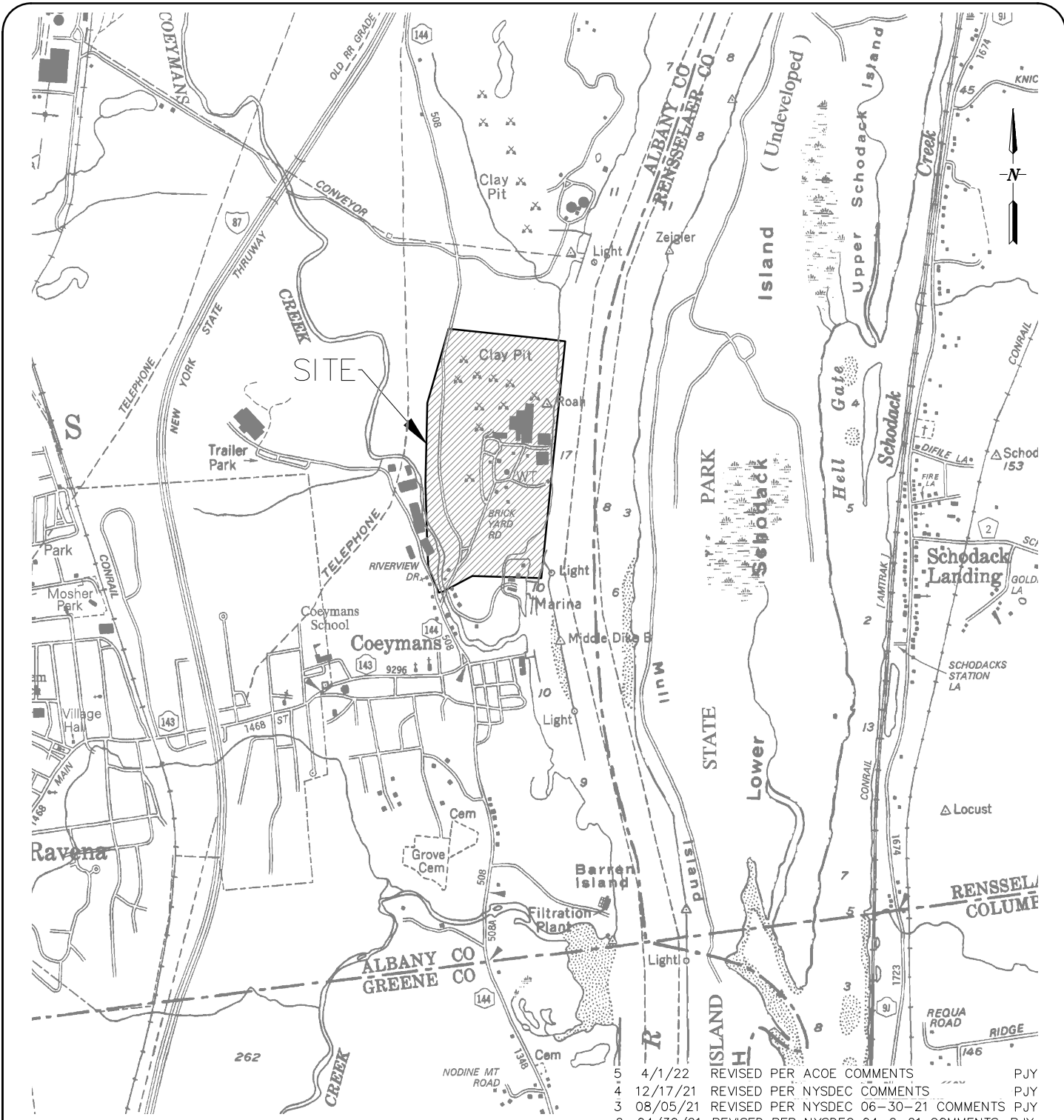
ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**NOTES**  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: 3-25-20	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: N.T.S.
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- 5 4/1/22 REVISED PER ACOE COMMENTS PJY
- 4 12/17/21 REVISED PER NYSDEC COMMENTS PJY
- 3 08/05/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
- 2 04/30/21 REVISED PER NYSDEC 04-2-21 COMMENTS PJY
- 1 04/13/21 REVISED PER ACOE 03-23-21 COMMENTS PJY

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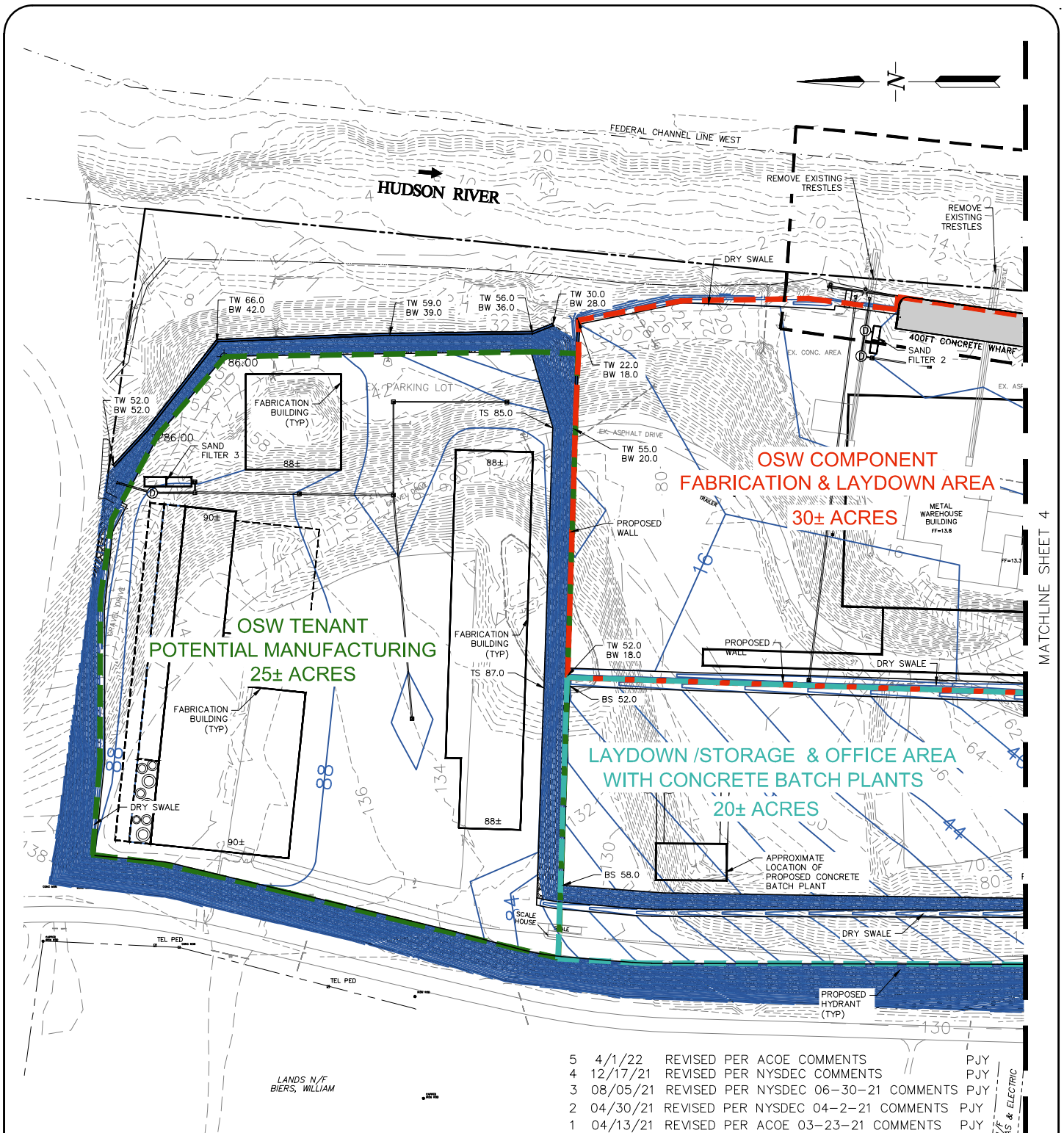
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

**ingalls**  
ingalls & associates, LLP  
engineering, environmental, surveying  
2603 GUILDERLAND AVENUE  
SCHEMECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

<b>SITE LOCATION MAP</b> <b>P&amp;M OSW INFRASTRUCTURE PROJECT</b> <b>PORT OF COEYMANS</b> TOWN OF COEYMANS ALBANY COUNTY NEW YORK		
DATE: 2-8-21	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: 1"=2,000
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- 5 4/1/22 REVISED PER ACOE COMMENTS PJY
- 4 12/17/21 REVISED PER NYSDEC COMMENTS PJY
- 3 08/05/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
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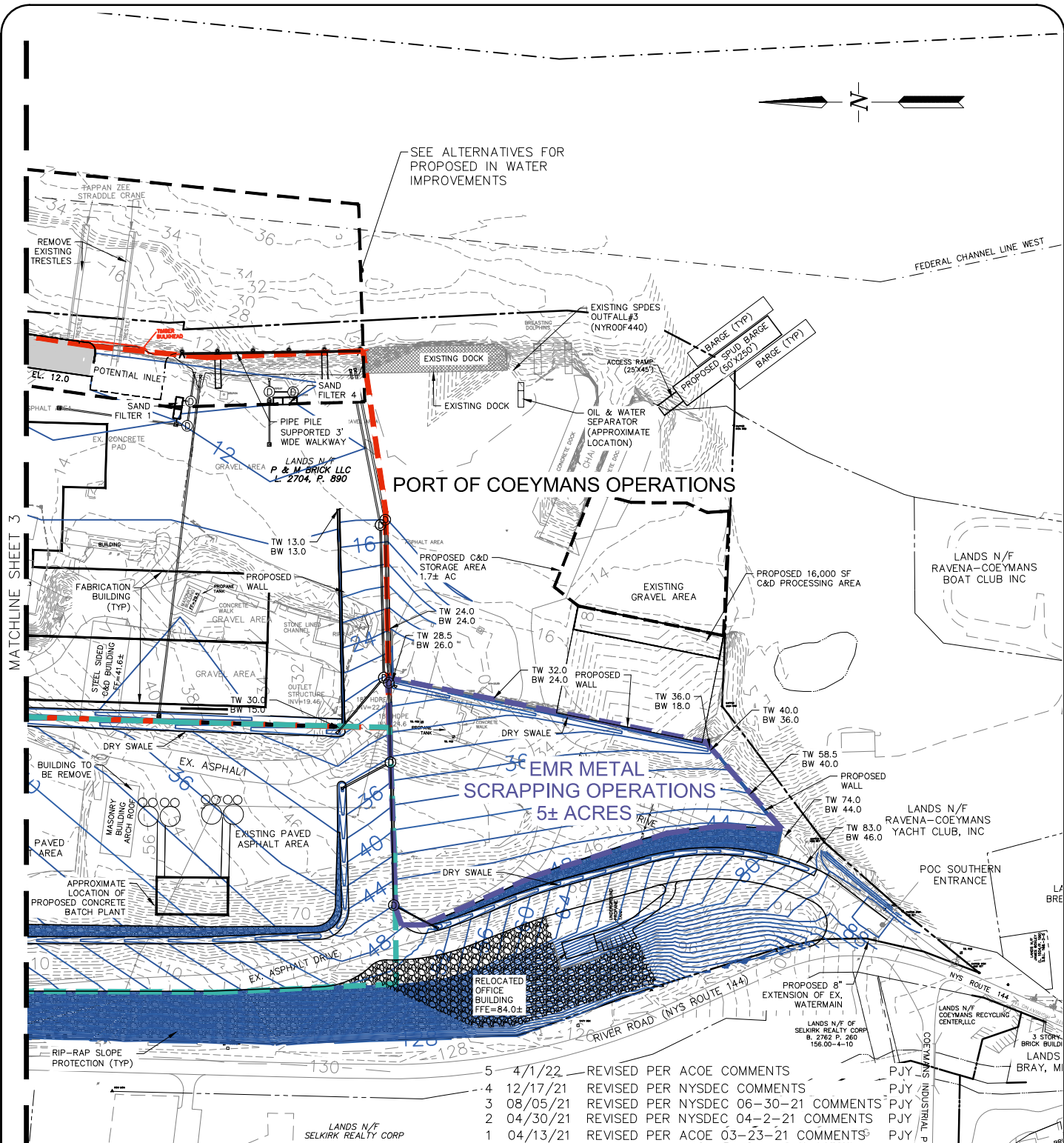
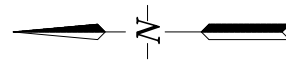
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**ingalls & associates, LLP**  
engineering, environmental, surveying  
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
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**OVERALL PLAN(1)**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMANS**

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: 2-8-21	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: 1"=300'
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MATCHLINE SHEET 4



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4	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
3	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
2	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
1	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY

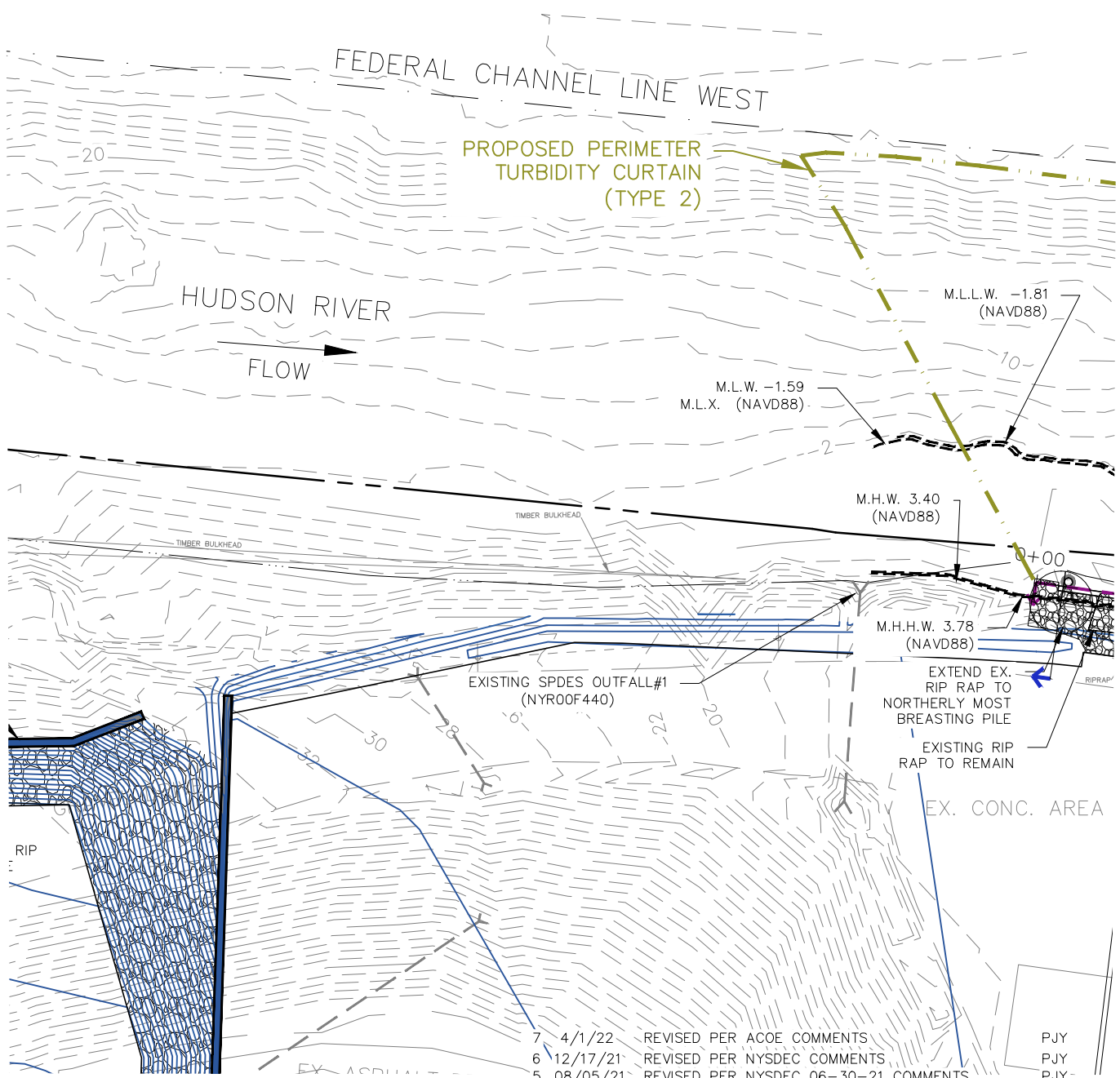
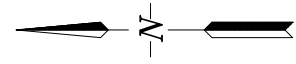
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*ingalls*  
**ingalls & associates, LLP**  
engineering, environmental, surveying  
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

<b>OVERALL PLAN(2)</b> <b>P&amp;M OSW INFRASTRUCTURE PROJECT</b> <b>PORT OF COEYMANS</b> TOWN OF COEYMANS ALBANY COUNTY NEW YORK		
DATE: 2-8-21	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: 1"=300'
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MATCHLINE SHEET 6

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
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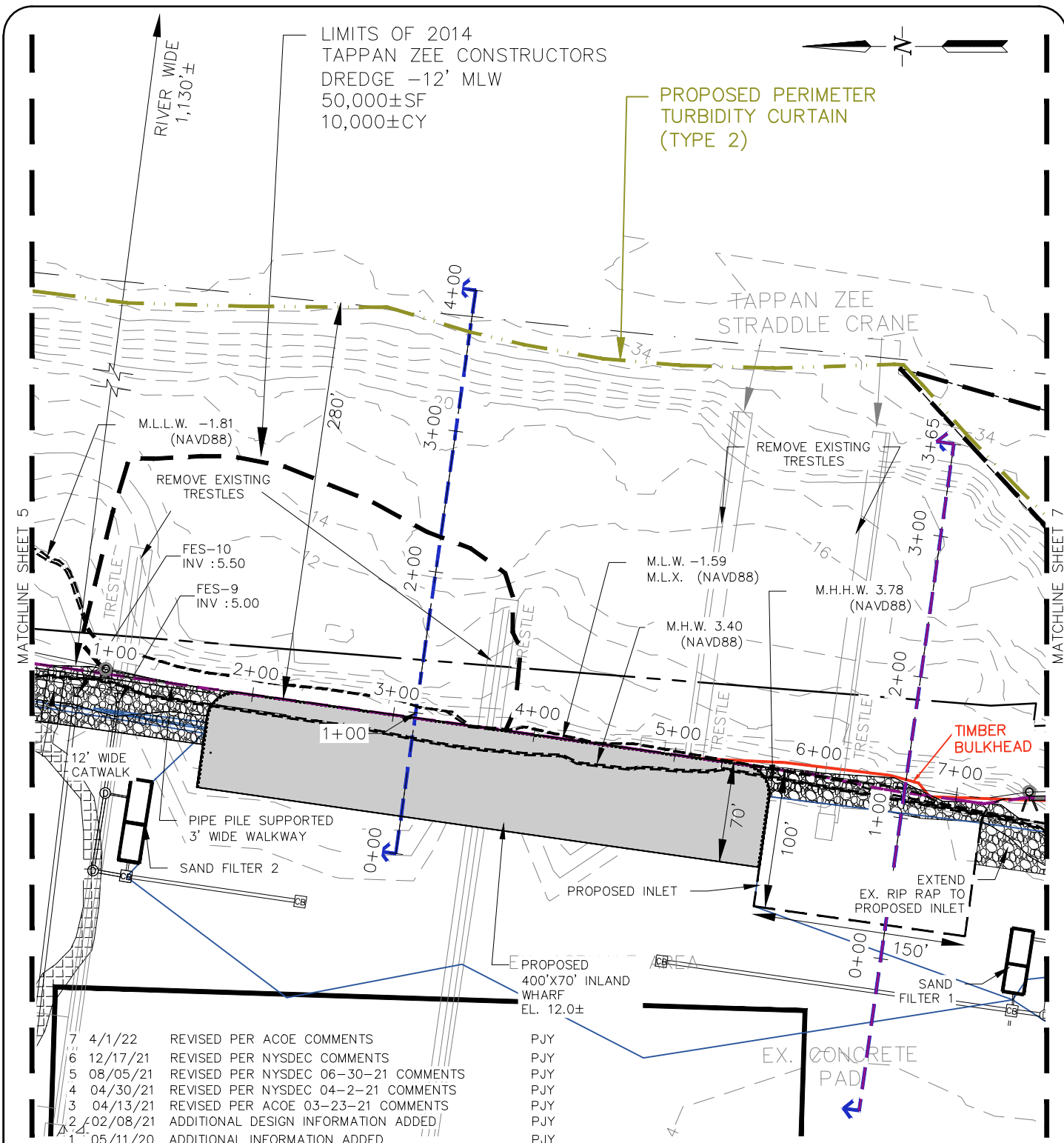
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2603 GUILDERLAND AVENUE  
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**DREDGE & WHARF PLAN A**  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

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4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
2	02/08/21	ADDITIONAL DESIGN INFORMATION ADDED	PJY
1	05/11/20	ADDITIONAL INFORMATION ADDED	PJY

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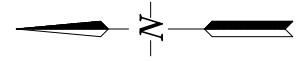
DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*  
**ingalls & associates, LLP**  
engineering, environmental, surveying  
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**DREDGE & WHARF PLAN B**  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: 3-25-20	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: 1"=100'
DRAWN BY: PJY CADD FILE: WIND ALT 3A		SHEET 6 OF 27



HUDSON RIVER



LIMITS OF 2007  
P&M BRICK, LLC  
ORIGINAL DREDGE  
-32' MLW  
186,600 ±SF  
45,860±CY

P&M BRICK, LLC  
2015 MAINTENANCE DREDGE  
-32' MLW  
79,200 ±SF  
7,030±CY

PROPOSED PERIMETER  
TURBIDITY CURTAIN  
(TYPE 2)

M.L.L.W. -1.81  
(NAVD88)

M.L.W. -1.59  
M.L.X. (NAVD88)

M.H.W. 3.40  
(NAVD88)

M.H.H.W. 3.78  
(NAVD88)

EXISTING RIP RAP TO  
REMAIN

EXISTING DOCK

8+00

9+00

10+00

11+00

11+56

FES-7  
INV :5.00

FES-3

FES-6

12' WIDE  
CATWALKS

12' WIDE  
CATWALKS

SAND  
FILTER 4

PIPE PILE  
SUPPORTED 3'  
WIDE WALKWAY

GRAVEL  
ARFA

- |   |          |                                      |     |
|---|----------|--------------------------------------|-----|
| 7 | 4/1/22   | REVISED PER ACOE COMMENTS            | PJY |
| 6 | 12/17/21 | REVISED PER NYSDEC COMMENTS          | PJY |
| 5 | 08/05/21 | REVISED PER NYSDEC 06-30-21 COMMENTS | PJY |
| 4 | 04/30/21 | REVISED PER NYSDEC 04-2-21 COMMENTS  | PJY |
| 3 | 04/13/21 | REVISED PER ACOE 03-23-21 COMMENTS   | PJY |
| 2 | 02/08/21 | ADDITIONAL DESIGN INFORMATION ADDED  | PJY |
| 1 | 05/11/20 | ADDITIONAL INFORMATION ADDED         | PJY |

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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993



ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
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DREDGE & WHARF PLAN C  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

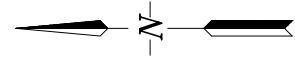
TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE:  
3-25-20

CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: 1"=100'  
SHEET 7 OF 27

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A



HUDSON RIVER  
FLOW →

MATCHLINE SHEET 7

FEDERAL CHANNEL LINE WEST

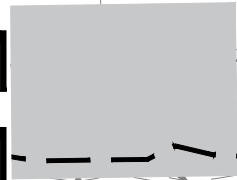
CURRENTLY PERMITTED DREDGE LIMITS

50'±  
95'±  
95'±

M.L.L.W. -1.81 (NAVD88)  
M.L.W. -1.59 M.L.X. (NAVD88)  
M.H.H.W. 3.78 (NAVD88)

M.H.W. 3.40 (NAVD88)  
ACCESS RAMP (25'X45')

BARGE (TYP)  
PROPOSED SPUD BARGE (50'X250')  
BARGE (TYP)



CONCRETE

RIPRAP

DOCK

NE

- |   |          |                                      |     |
|---|----------|--------------------------------------|-----|
| 7 | 4/1/22   | REVISED PER ACOE COMMENTS            | PJY |
| 6 | 12/17/21 | REVISED PER NYSDEC COMMENTS          | PJY |
| 5 | 08/05/21 | REVISED PER NYSDEC 06-30-21 COMMENTS | PJY |
| 4 | 04/30/21 | REVISED PER NYSDEC 04-2-21 COMMENTS  | PJY |
| 3 | 04/13/21 | REVISED PER ACOE 03-23-21 COMMENTS   | PJY |
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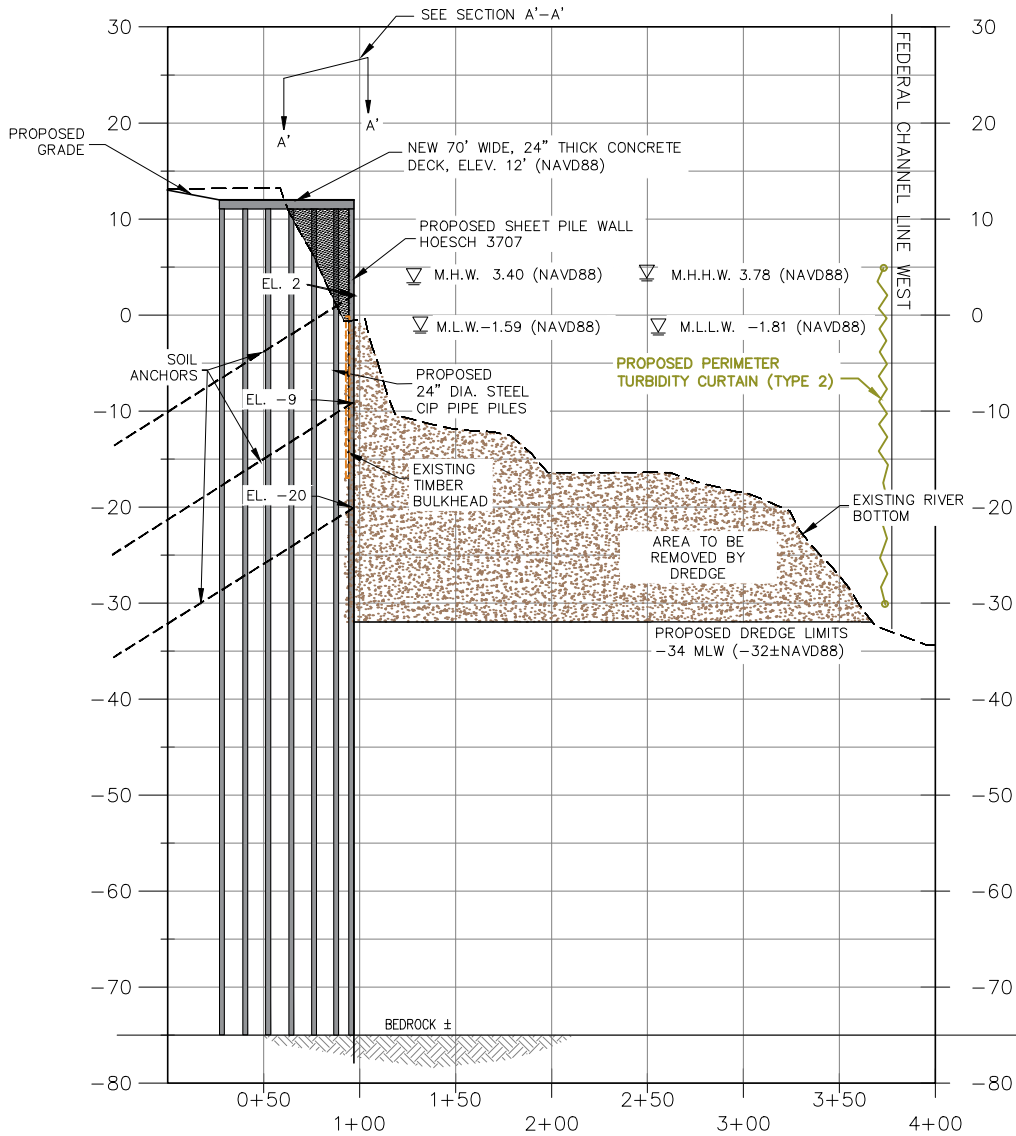
ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHEMECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

DREDGE & WHARF PLAN D  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: 3-25-20	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: 1"=100'
DRAWN BY: PJY CADD FILE: WIND ALT 3A		SHEET 8 OF 27



DREDGE TO -34' MLW

SECTION A-A

SCALE: 1"=20' VERT.

1"=100' HORIZ.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

DREDGE & WHARF SECTION AA  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

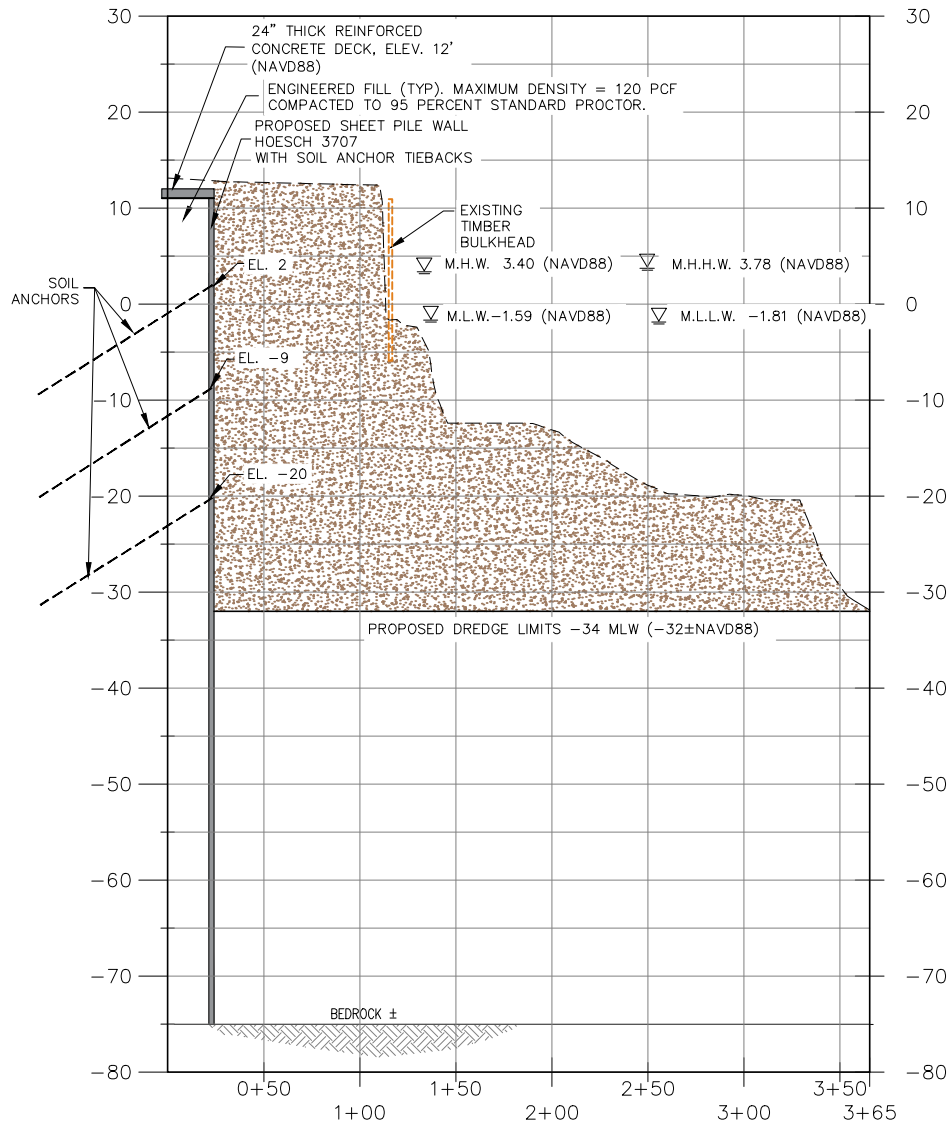
DATE:  
3-25-20

CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: AS SHOWN

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 9 OF 27



INLET  
SECTION B-B

SCALE: 1"=20' VERT.  
1"=100' HORIZ.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
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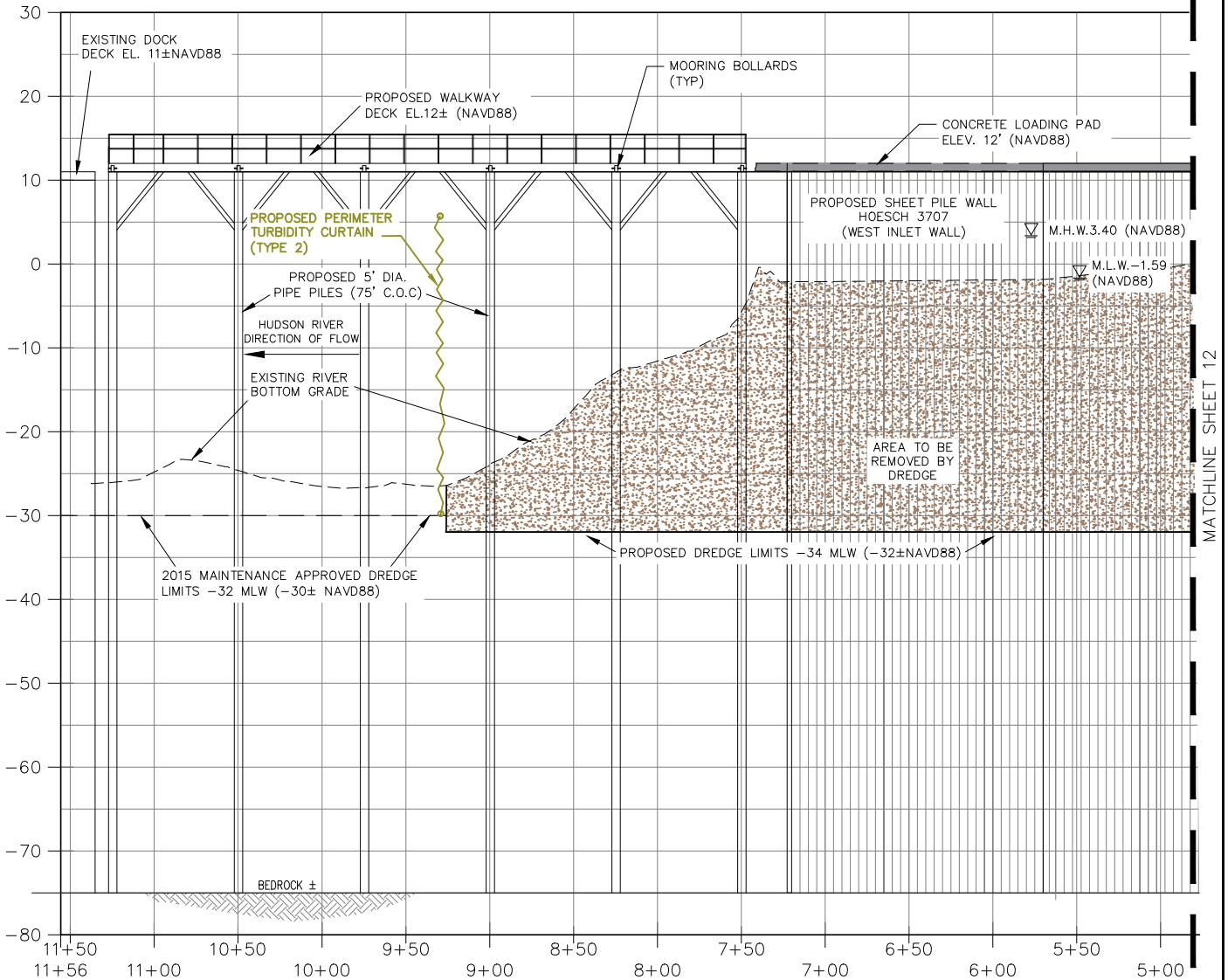
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**INLET SECTION BB**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMANS**

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: 3-25-20	CHECKED BY: D.F.I. JOB NO. 02-017	SCALE: AS SHOWN
DRAWN BY: PJY CADD FILE: WIND ALT 3A		SHEET 10 OF 27





MATCHLINE SHEET 12

**SHORELINE SECTION(1)**

SCALE: 1"=20' VERT.  
1"=100' HORIZ.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
2	02/08/21	ADDITIONAL DESIGN INFORMATION ADDED	PJY
1	05/11/20	ADDITIONAL INFORMATION ADDED	PJY

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**ingalls & associates, LLP**  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**SHORELINE SECTION (1)**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMANS**

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE:  
3-25-20  
DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

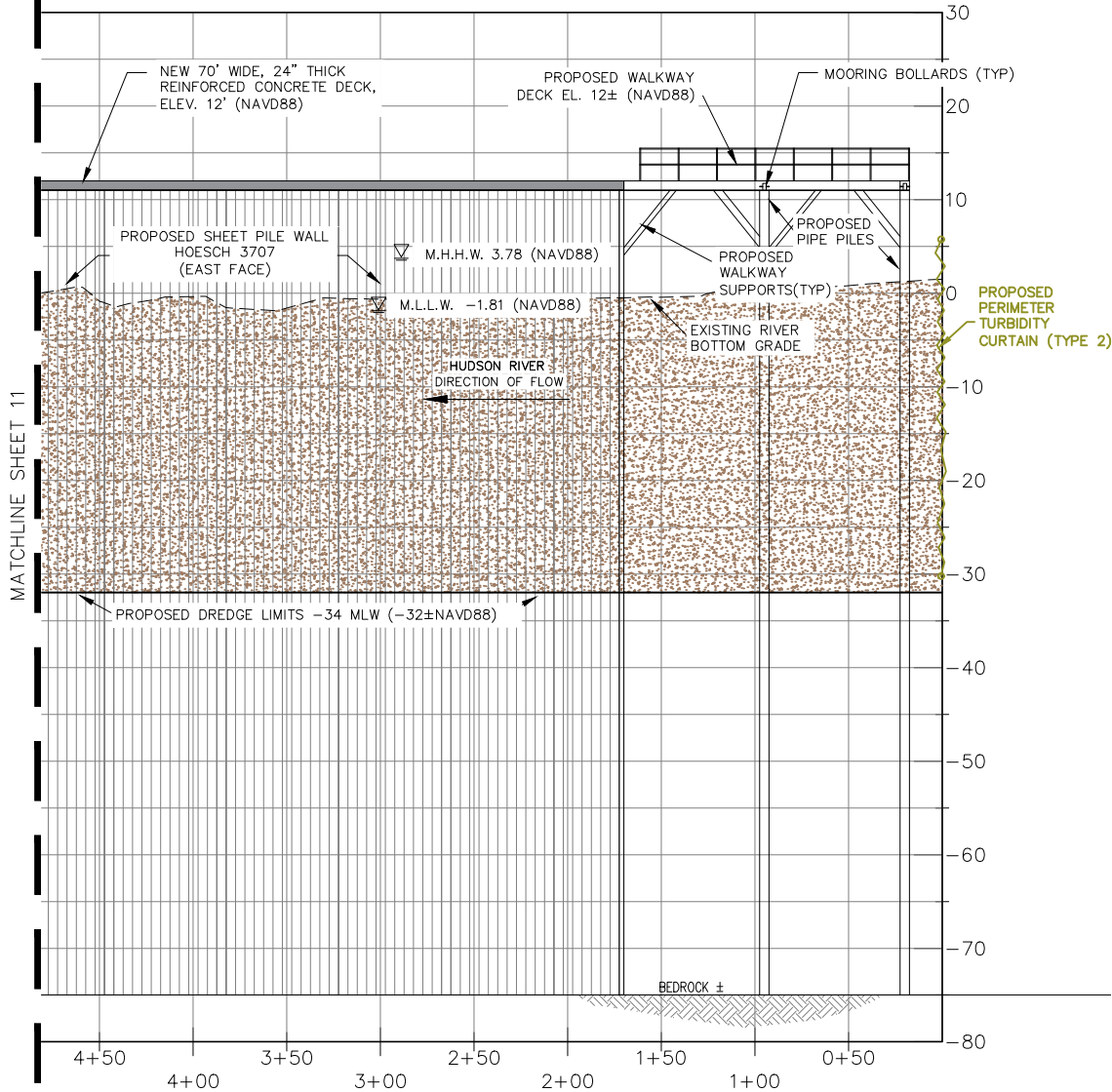
CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: AS SHOWN

SHEET 11 OF 27

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SHORELINE SECTION(2)

SCALE: 1"=20' VERT.  
1"=100' HORIZ.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993



ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

SHORELINE SECTION (2)  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

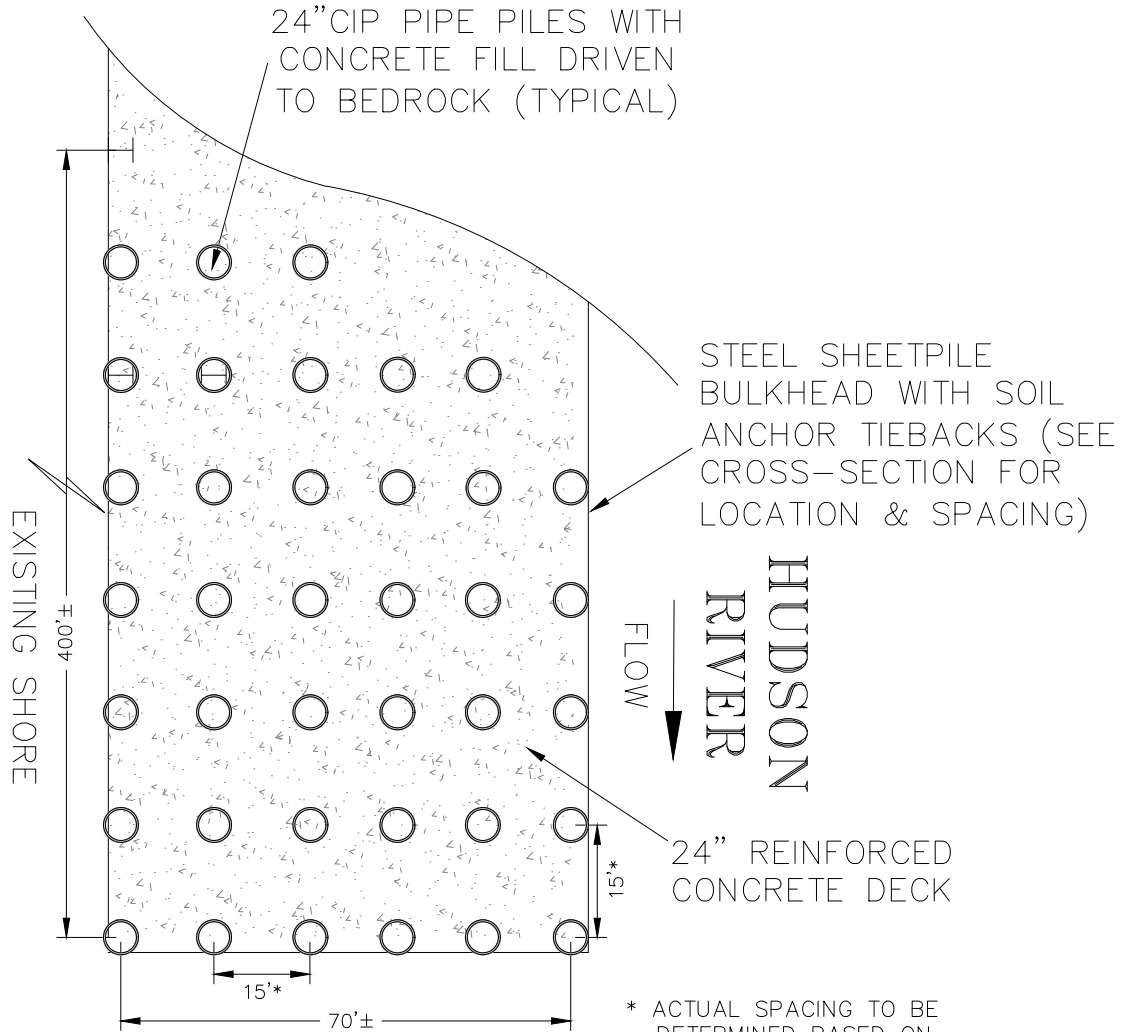
DATE:  
3-25-20

CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: AS SHOWN

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 12 OF 27



WHARF PLAN VIEW DETAIL  
N.T.S.

- |   |          |                                      |     |
|---|----------|--------------------------------------|-----|
| 7 | 4/1/22   | REVISED PER ACOE COMMENTS            | PJY |
| 6 | 12/17/21 | REVISED PER NYSDEC COMMENTS          | PJY |
| 5 | 08/05/21 | REVISED PER NYSDEC 06-30-21 COMMENTS | PJY |
| 4 | 04/30/21 | REVISED PER NYSDEC 04-2-21 COMMENTS  | PJY |
| 3 | 04/13/21 | REVISED PER ACOE 03-23-21 COMMENTS   | PJY |
| 2 | 02/08/21 | ADDITIONAL DESIGN INFORMATION ADDED  | PJY |
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
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WHARF PLAN VIEW DETAIL  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

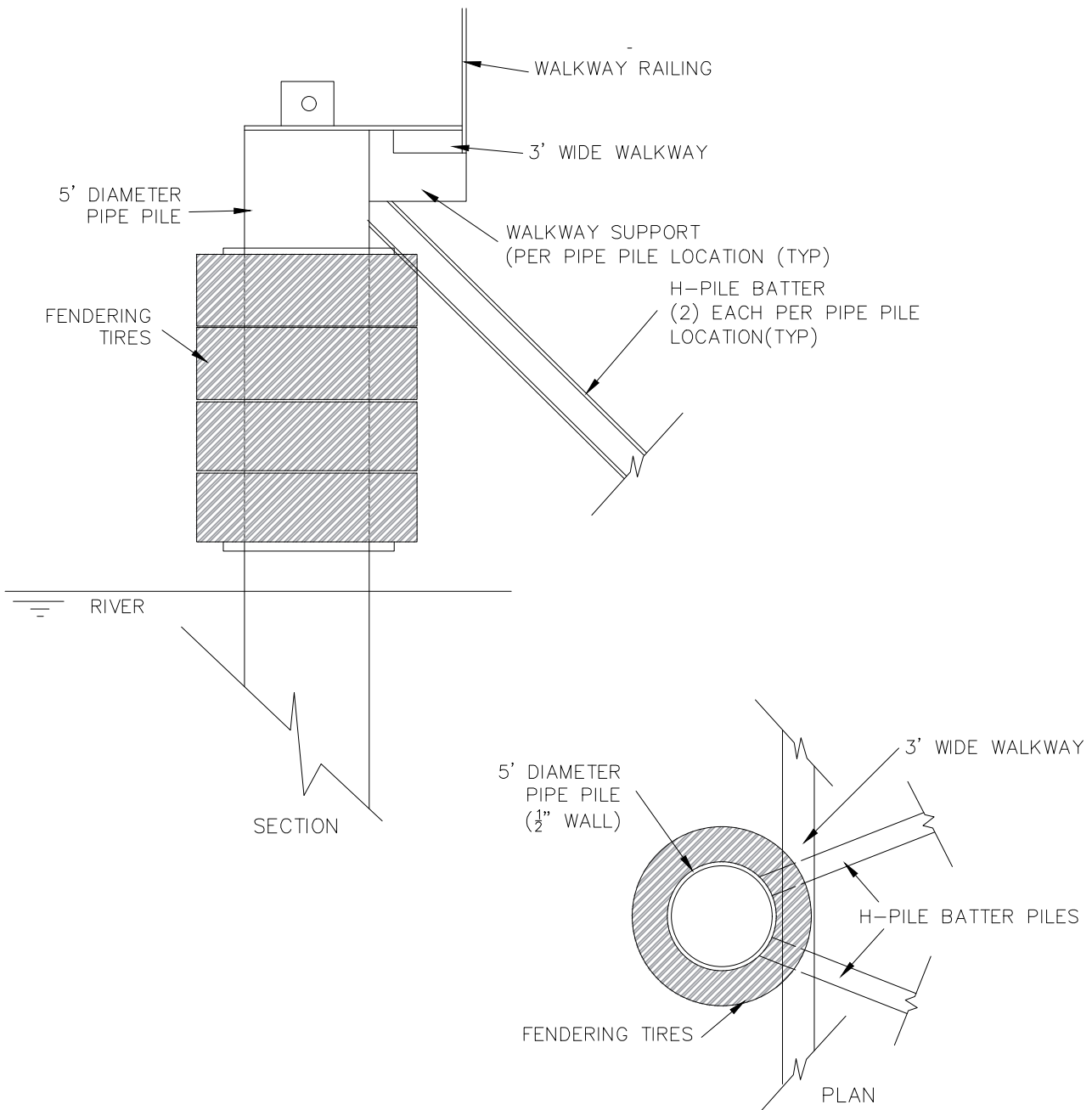
DATE:  
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CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: N.T.S.

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 13 OF 27



TYPICAL PIPE PILE & WALKWAY DETAIL  
N.T.S.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

TYPICAL PIPE PILE & WALKWAY DETAIL  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

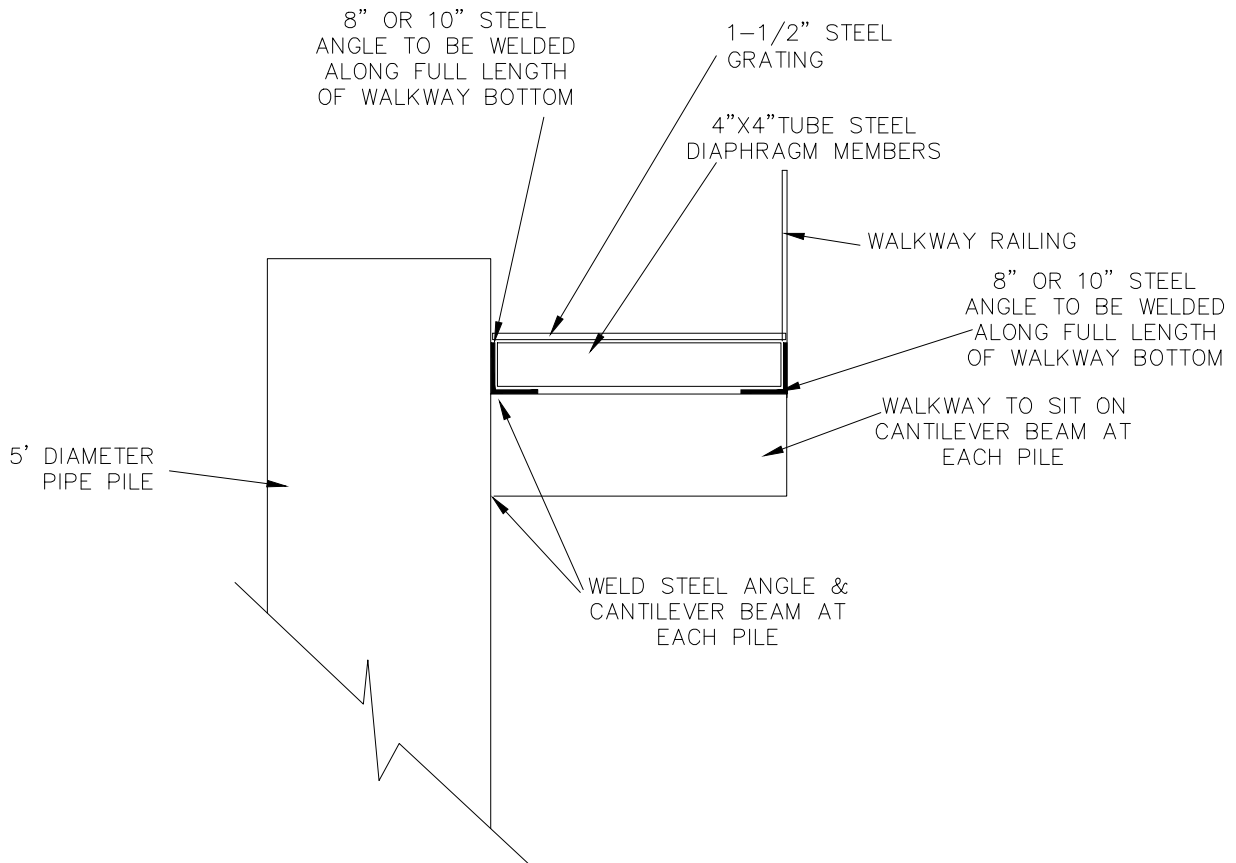
DATE:  
3-25-20

CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: N.T.S.

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 14 OF 27



WALKWAY SECTION  
N.T.S.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
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WALKWAY SECTION  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

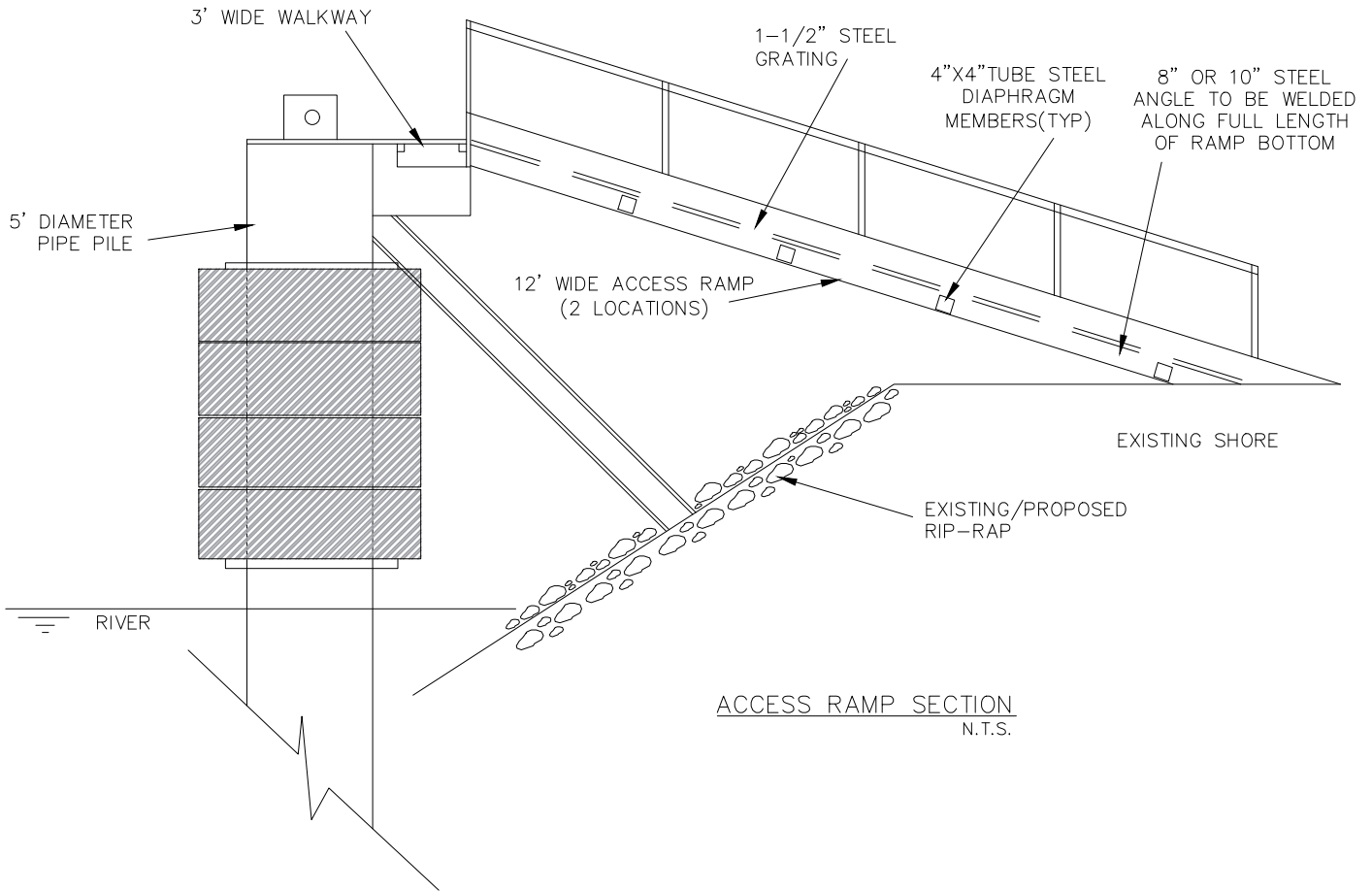
DATE:  
3-25-20

CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: N.T.S.

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 15 OF 27



- |   |          |                                      |     |
|---|----------|--------------------------------------|-----|
| 7 | 4/1/22   | REVISED PER ACOE COMMENTS            | PJY |
| 6 | 12/17/21 | REVISED PER NYSDEC COMMENTS          | PJY |
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

ACCESS RAMP SECTION  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

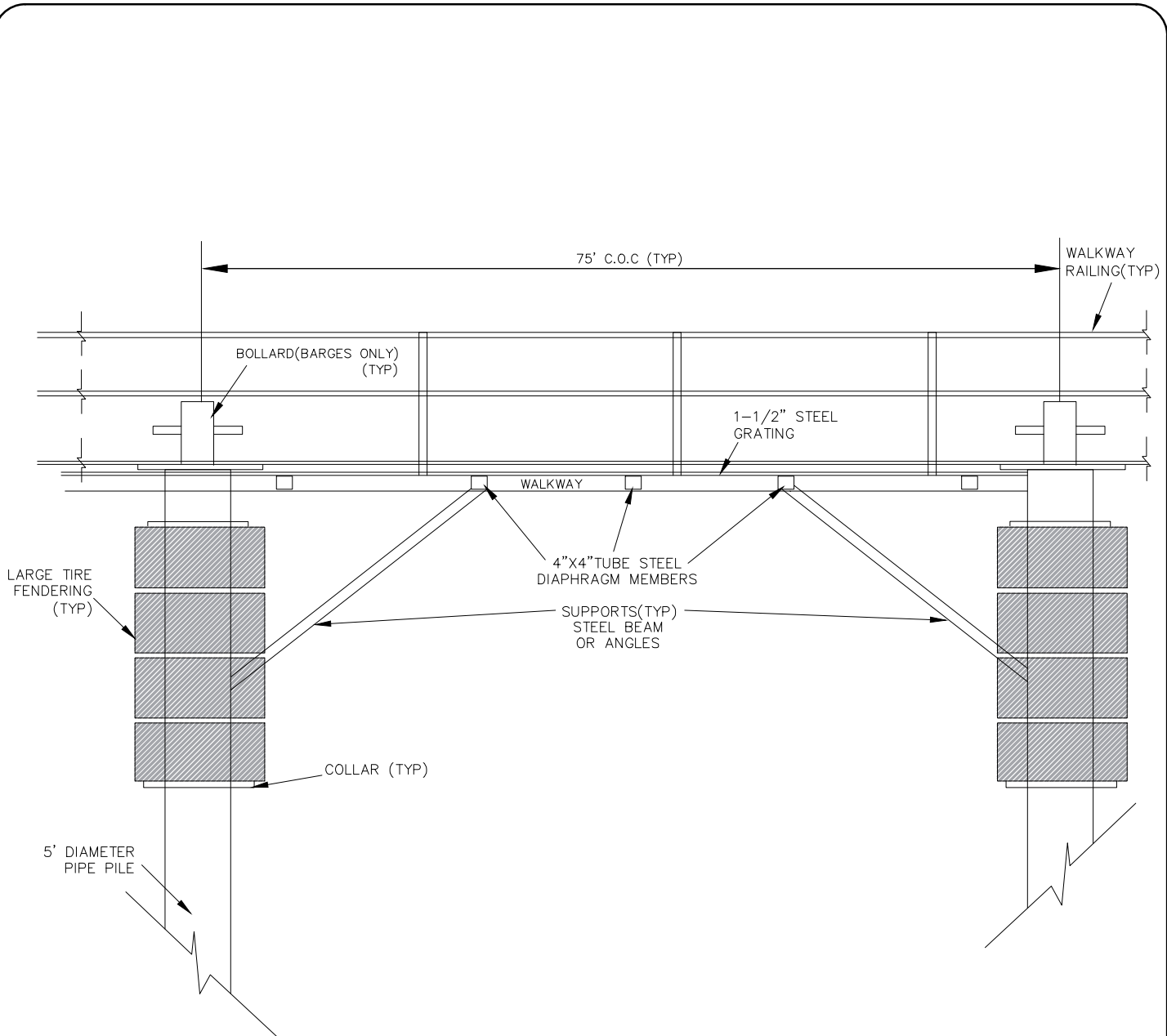
DATE:  
3-25-20

CHECKED BY: D.F.I.  
JOB NO. 02-017

SCALE: N.T.S.

DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 16 OF 27



TYPICAL PIPE PILE & WALKWAY SECTION  
N.T.S.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
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TYPICAL PIPE PILE & WALKWAY SECTION  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE:  
3-25-20

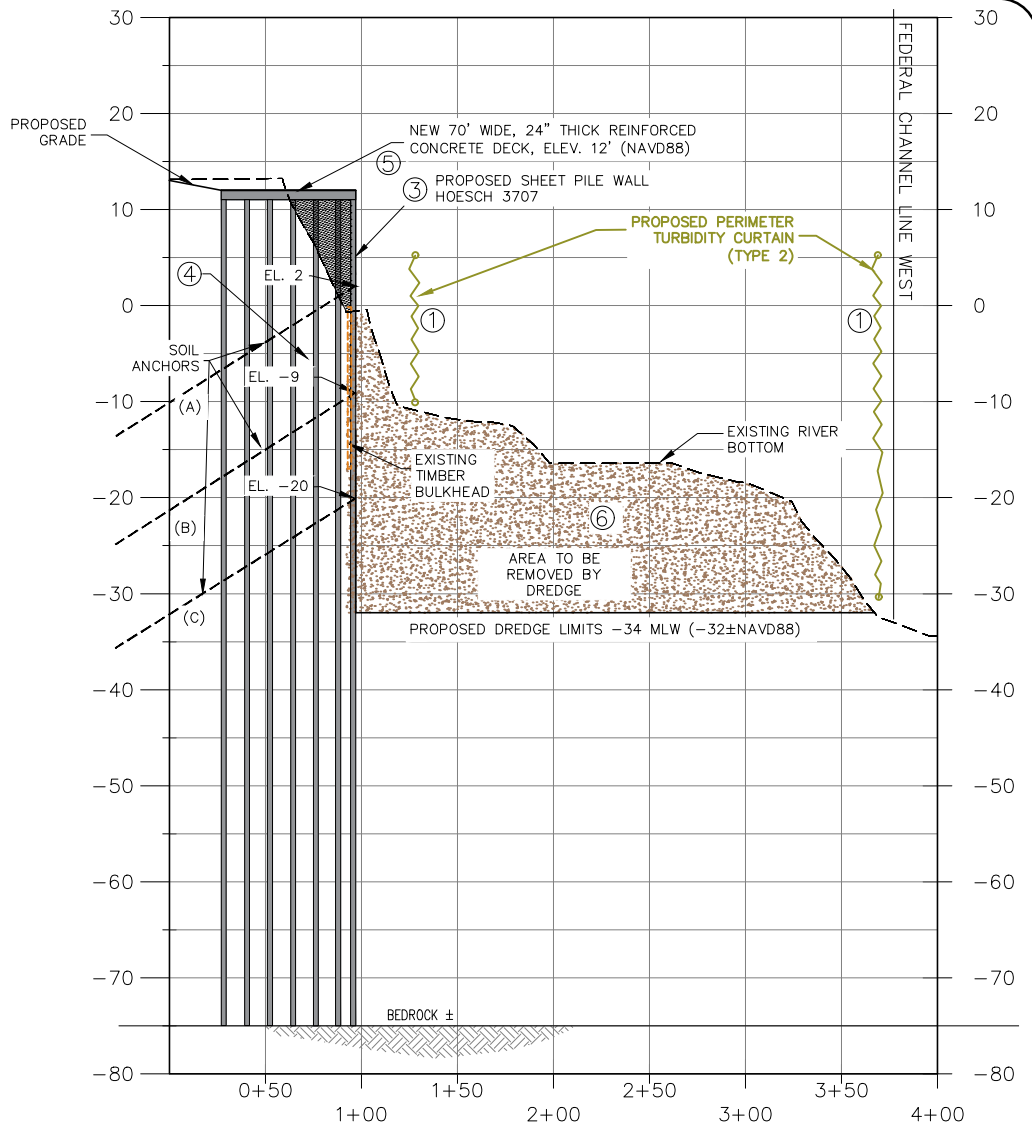
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DRAWN BY: PJY  
CADD FILE: WIND ALT 3A

SHEET 17 OF 27





CONSTRUCTION INSTALLATION SEQUENCE

1. INSTALL TYPE 2 TURBIDITY CURTAINS. TURBIDITY CURTAINS SHALL BE DEPLOYED FOR ALL IN WATER WORK INCLUDING TRESTLE REMOVAL, DREDGING, AND WHARF CONSTRUCTION. THE CURTAINS WILL BE DESIGNED SO AS TO BE ANCHORED IN THE DEEPER WATER DURING DREDGING OPERATIONS. CURTAINS WILL BE RESTRAINED BY EITHER BARGES OR STEEL PILES. THE WHARF CONSTRUCTION WILL BE EMPLOYED WITH CONVENTIONAL FLOATS AND RESTRAINTS IN THE LESS THAN 15 FEET WATER DEPTH.
2. REMOVE EXISTING TRESTLES & SUPPORTING PILES.
3. INSTALL NEW WHARF BULKHEAD STEEL SHEETING.
4. EXCAVATE BEHIND NEW WHARF SHEETING TO INSTALL ANCHOR ROWS (A),(B)& (C) AND STEEL PILES.
5. POUR REINFORCED CONCRETE DECK.
6. DREDGE BALANCE OF RIVER TO PROPOSED ELEVATIONS = -34 MLW (-32±NAVD88).

INSTALLATION SEQUENCE

SCALE: 1"=20' VERT.  
1"=100' HORIZ.

7	4/1/22	REVISED PER ACOE COMMENTS	PJY
6	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
5	08/05/21	REVISED PER NYSDEC 06-30-21 COMMENTS	PJY
4	04/30/21	REVISED PER NYSDEC 04-2-21 COMMENTS	PJY
3	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY
2	02/08/21	ADDITIONAL DESIGN INFORMATION ADDED	PJY
1	05/11/20	ADDITIONAL INFORMATION ADDED	PJY

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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993



ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

INSTALLATION SEQUENCE  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE:  
3-25-20

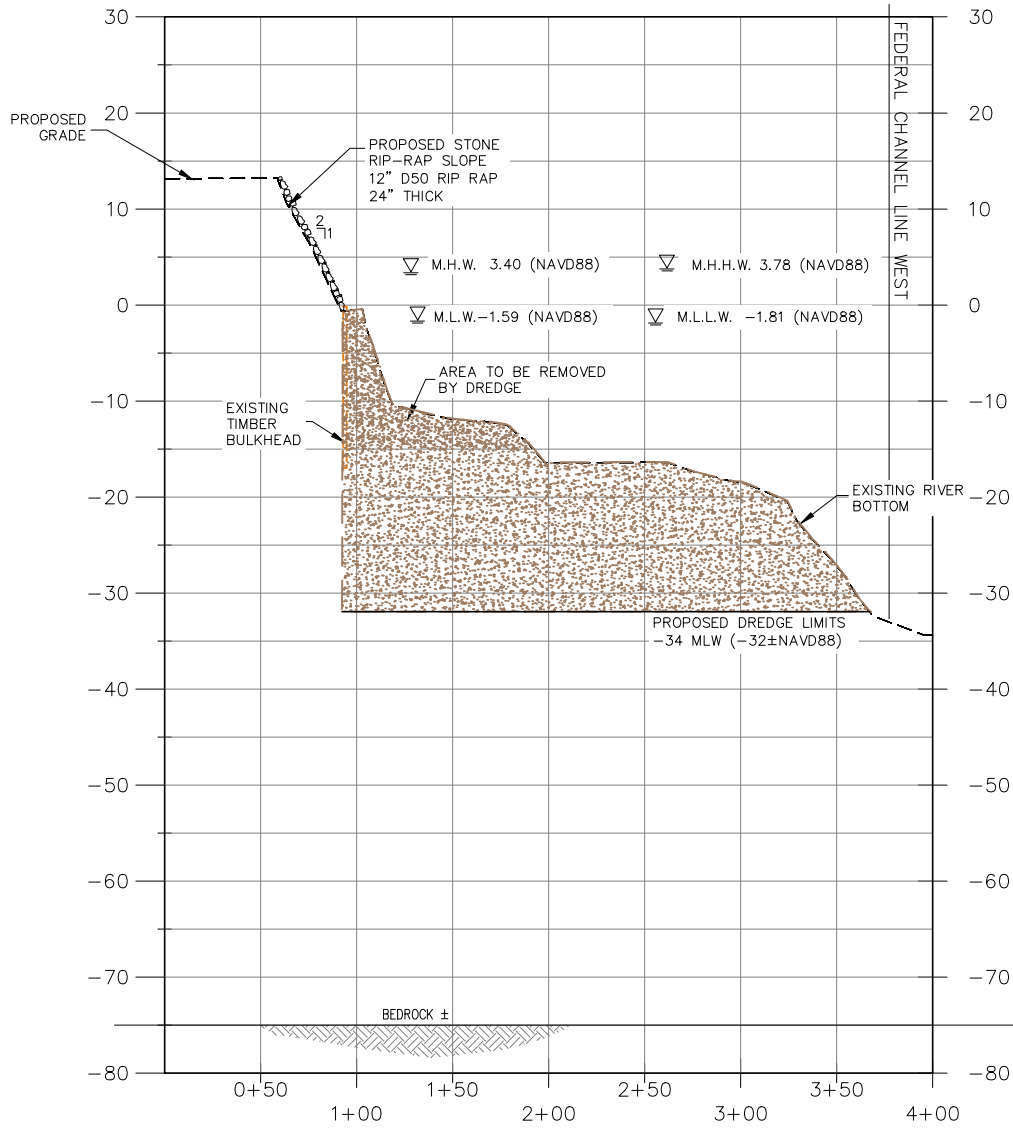
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SHEET 18 OF 27





STONE RIPRAP SLOPE PROTECTION

SCALE: 1"=20' VERT.  
1"=100' HORIZ.

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N.Y.S. LIC. NO. 064993



ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

BANK STABILIZATION  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE:  
4-1-22

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JOB NO. 02-017

SCALE: N.T.S.

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SHEET 19 OF 27

**DEWATERING AND EROSION & SEDIMENT CONTROL NOTES**

1. THIS PROJECT IS AUTHORIZED UNDER NYSDEC PERMIT GP-0-20-001.
2. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GP-0-20-001, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.
3. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL." (aka: THE BLUE BOOK) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
5. IT IS THE INTENT OF THESE PLANS AND NOTES TO BE USED AS A GUIDE BY THE CONTRACTOR TO ENSURE THAT NO ERODED MATERIAL MIGRATES FROM THE SITE OR ENTERS ANY WATER COURSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THIS GOAL IS MET, BY IMPLEMENTING THESE PLANS AND ANY ADDITIONAL MEANS THAT MAY BE NECESSARY. FURTHER MEASURES MAY BE REQUIRED BY THE CITY, VILLAGE, OR TOWN ENGINEER. WHILE MANY OF THE EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TAKEN DIRECTLY FROM THE BLUE BOOK, THE CONTRACTOR SHOULD CONSIDER ANY OF THE DETAILS CONTAINED IN SECTION 7A OF THE BLUE BOOK AS ACCEPTABLE PRACTICE IN THE APPROPRIATE APPLICATION.
6. THE CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT. TO ASSURE PROPER FUNCTION, SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPOIL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDED AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED.
7. SEEDED/MULCHED AREAS SHALL BE INSPECTED TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY. SEED MIXTURES SHALL BE COMPLIANT WITH SECTION 4 OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" MANUAL.
8. EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE SITE HAS ACHIEVED FINAL STABILIZATION.
9. SILT FENCE AND OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 5.
10. EXISTING PAVEMENT AREAS SHALL BE CLEANED REGULARLY AND AT THE DIRECTION OF THE CITY, VILLAGE, OR TOWN ENGINEER.
11. WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAY AREAS AS DIRECTED BY THE CITY, VILLAGE, OR TOWN ENGINEER.
12. ANY WATER PUMPED AS A RESULT OF DEWATERING ACTIVITIES SHALL BE PUMPED THROUGH A FILTER SOCK INTO A DEWATERING PIT.
13. ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE STABILIZED WITH SEED AND MULCH NO MORE THAN 14 DAYS AFTER THE COMPLETION OF WORK IN THAT AREA. IT MAY BE NECESSARY TO SEED AND MULCH SOME AREAS SEVERAL TIMES TO MEET THIS REQUIREMENT.
14. STOCK PILES SHALL BE PROTECTED PER GP-0-20-001. THESE DEVICES SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SAID STOCK PILES ARE REMOVED AND STOCK PILING AREAS ARE PERMANENTLY STABILIZED. STOCK PILES SHALL BE SEEDED UPON SUSPENSION OF WORK OR IF MATERIAL IS NOT TO BE USED OR TRANSPORTED WITHIN 14 DAYS.
15. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.
16. WHEN RUNOFF IS COLLECTED AND FLOW IS CONCENTRATED IN A SWALE OR DRAINAGE DITCH, THEN CHECK DAMS SHALL BE INSTALLED TO REDUCE VELOCITY UNTIL THE SWALE AND THE AREA DRAINING TO THE SWALE ARE STABILIZED. SEDIMENT SHALL BE REMOVED FROM THE DAM AS NEEDED TO ALLOW THE CHANNEL TO DRAIN THROUGH THE DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM.

**LEGEND**

EXISTING PROPERTY LINE	— — — — —
ADJACENT PROPERTY LINE	— — — — —
EXISTING CONTOUR	— 200 —
EXISTING HYDRANT	○ HYD
EXISTING UTILITY POLE	○ NG 19
EXISTING SIGN	—
EXISTING CATCH BASIN	○ CB
EXISTING SANITARY MANHOLE	○ S
EXISTING SANITARY SEWER	— S —
EXISTING STORM SEWER	— ST —
EXISTING WATERMAIN	— W —
EXISTING OVERHEAD WIRE	— OH —
PROPOSED SILT FENCE	— SF — SF —
PROPOSED LIMITS OF DISTURBANCE	— LOD —
PROPOSED CONTOUR	— 200 —

LATITUDE: N 42° 29' 10"  
LONGITUDE: W 73° 47' 17"

HUDSON RIVER - MI. 134

**APPLICANT:**  
**P&M BRICK, LLC**  
2170 RIVER ROAD  
COEYMANS, NY 12045

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4	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
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1	04/13/21	REVISED PER ACOE 03-23-21 COMMENTS	PJY

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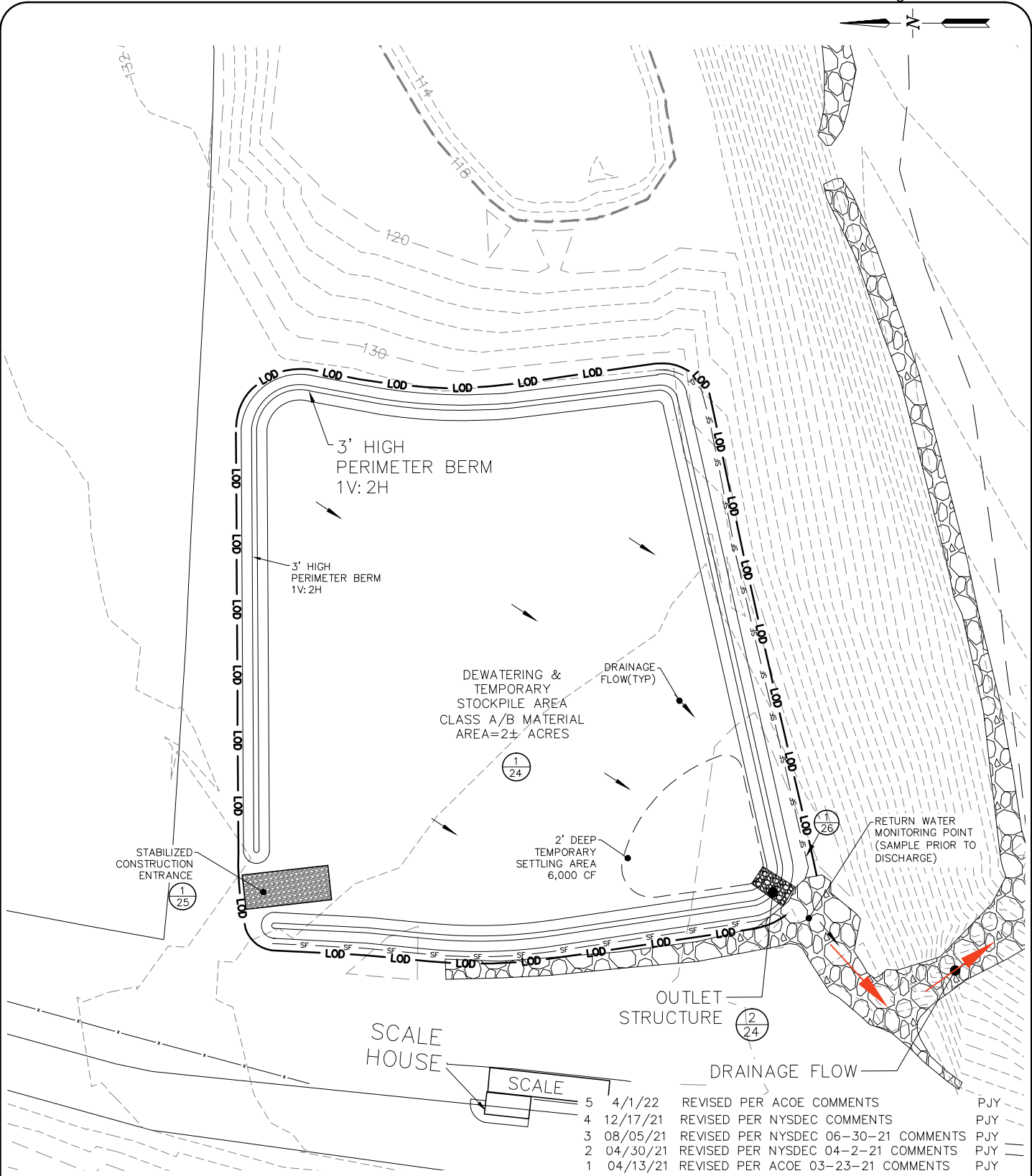
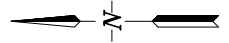
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engineering, environmental, surveying

2803 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**DEWATERING NOTES**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMANS**

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: JANUARY 28, 2021	CHECKED BY: JOB NO. 02-017	SCALE: NTS
DRAWN BY: PJY CADD FILE: DEWATER ESC WIND		SHEET 20 OF 27



- 5 4/1/22 REVISED PER ACOE COMMENTS PJY
- 4 12/17/21 REVISED PER NYSDEC COMMENTS PJY
- 3 08/05/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
- 2 04/30/21 REVISED PER NYSDEC 04-2-21 COMMENTS PJY
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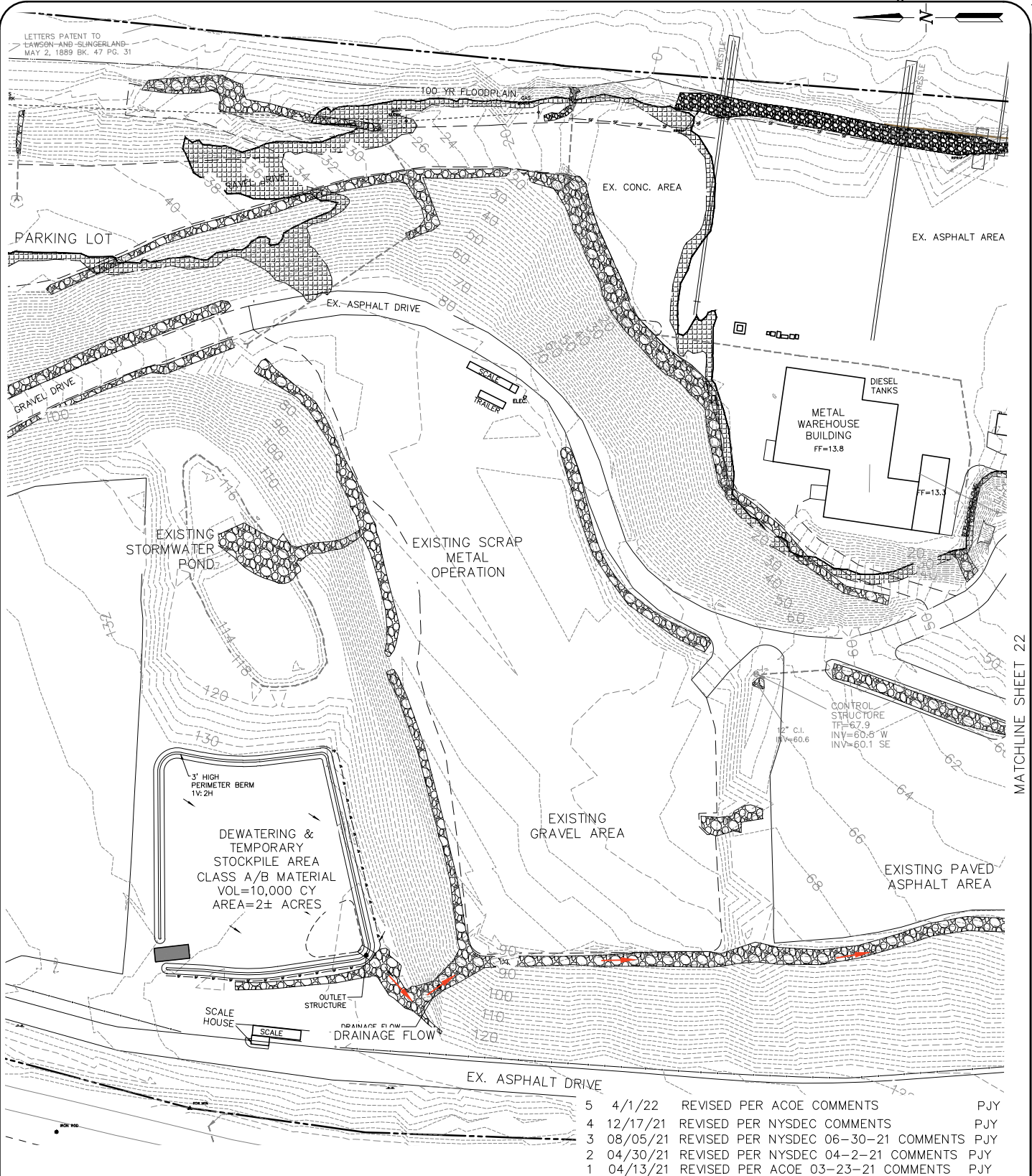
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2803 GUILDERLAND AVENUE  
SCHECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

DEWATERING PLAN  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: JANUARY 28, 2021	CHECKED BY: JOB NO. 02-017	SCALE: 1"=80'
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- 5 4/1/22 REVISED PER ACOE COMMENTS PJY
- 4 12/17/21 REVISED PER NYSDEC COMMENTS PJY
- 3 08/05/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
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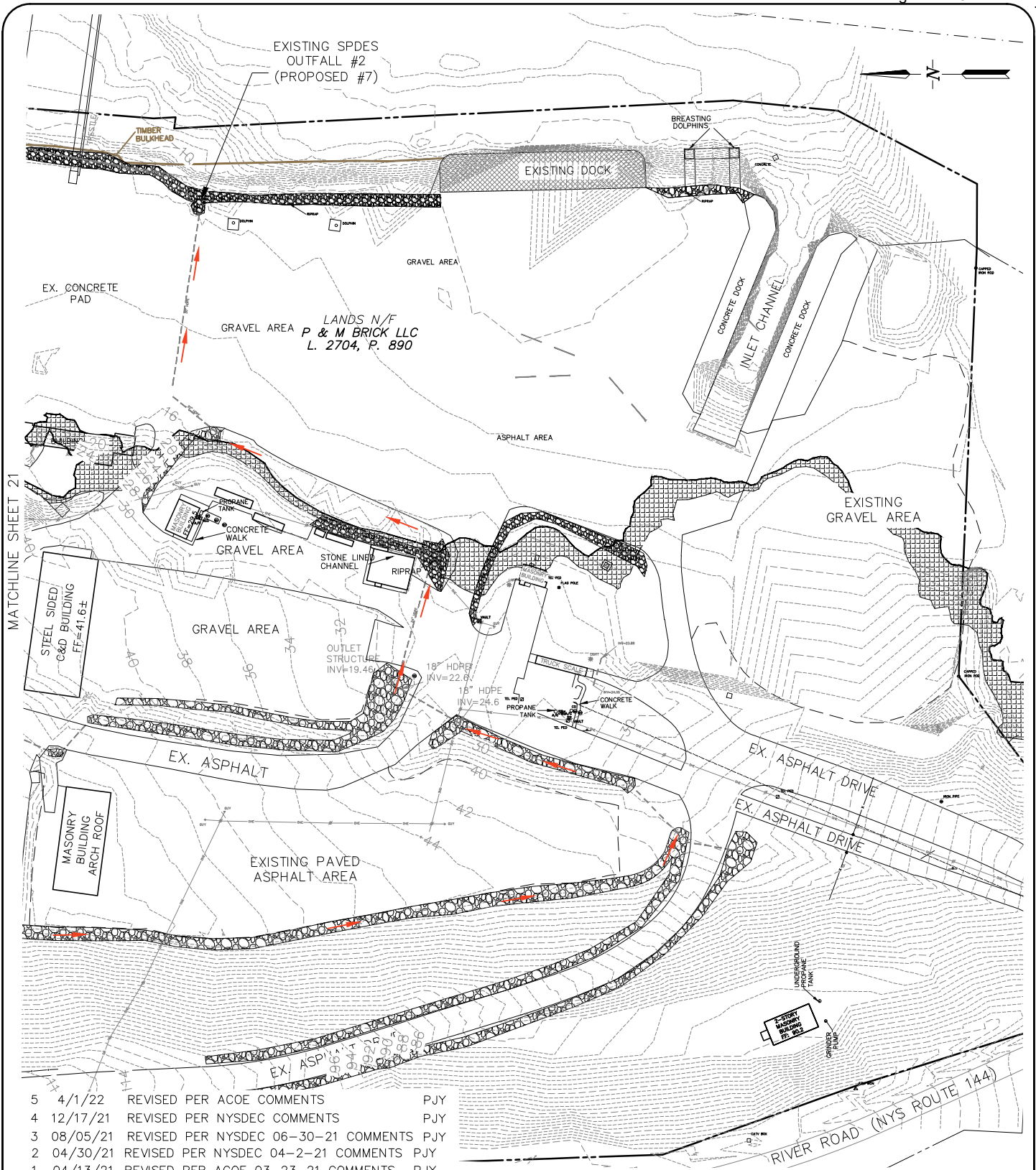
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

DEWATERING DISCHARGE PLAN A  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

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MATCHLINE SHEET 21

- 5 4/1/22 REVISED PER ACOE COMMENTS PJY
- 4 12/17/21 REVISED PER NYSDEC COMMENTS PJY
- 3 08/05/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
- 2 04/30/21 REVISED PER NYSDEC 04-2-21 COMMENTS PJY
- 1 04/13/21 REVISED PER ACOE 03-23-21 COMMENTS PJY

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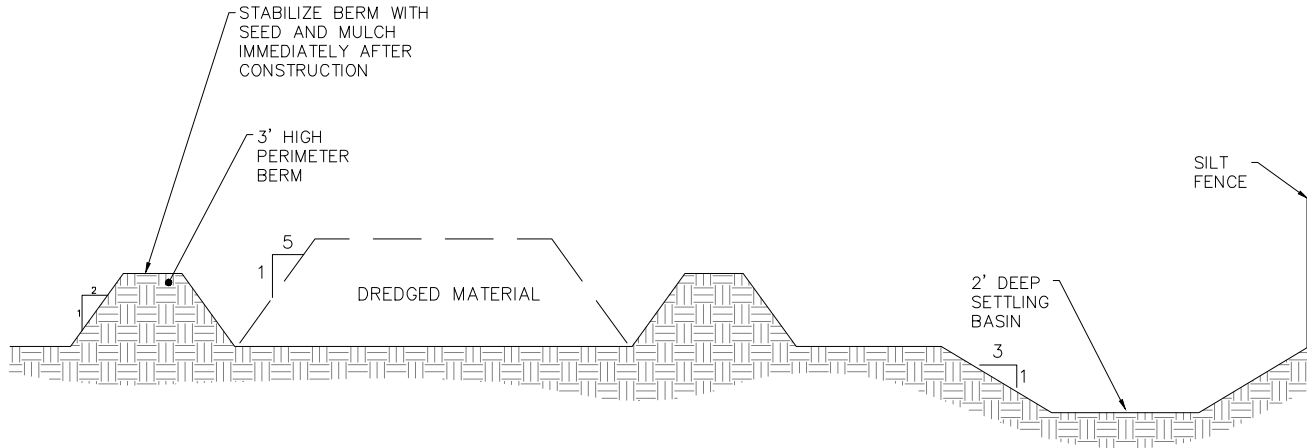
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engineering, environmental, surveying

2803 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**DEWATERING DISCHARGE PLAN B**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMAN**  
TOWN OF COEYMAN  
ALBANY COUNTY NEW YORK

DATE: JANUARY 28, 2021	CHECKED BY: JOB NO. 02-017	SCALE: NTS
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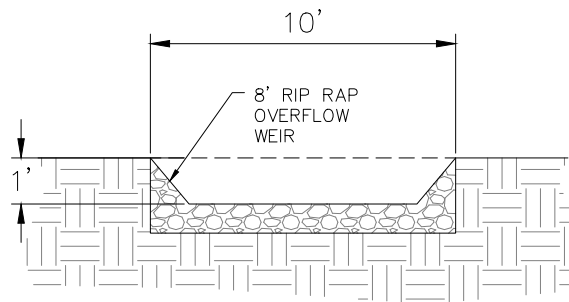


**1**  
24

**TYPICAL DEWATERING AREA SECTION (CLASS 'A/B' MATERIAL)**  
NOT TO SCALE

**NOTES:**

1. THE SETTLING BASIN SHALL BE CLEANED OF SEDIMENT ONCE 50% OF THE VOLUME HAS BEEN LOST. A GRADE STAKE INDICATING THIS LEVEL SHOULD BE INSTALLED WITHIN THE BASIN.



**WEIR DETAIL**

**2**  
24

5	4/1/22	REVISED PER ACOE COMMENTS	PJY
4	12/17/21	REVISED PER NYSDEC COMMENTS	PJY
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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

**ingalls & associates, LLP**  
engineering, environmental, surveying

2803 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**DETAILS A**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMANS**

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

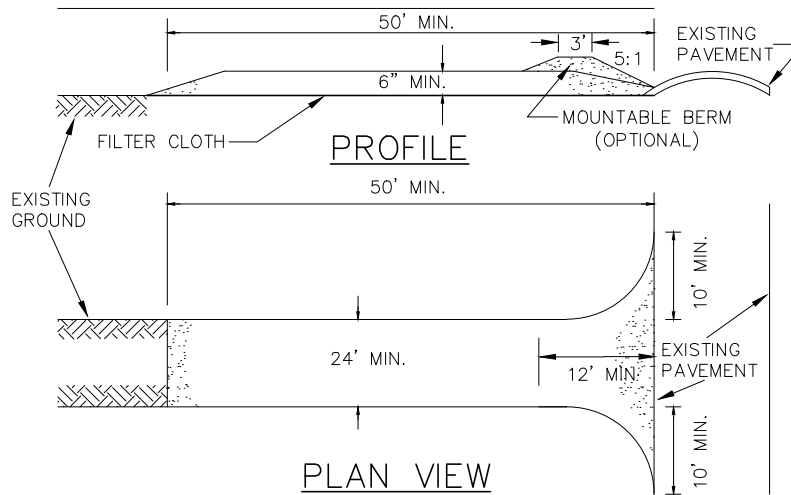
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SHEET 24 OF 27



### CONSTRUCTION SPECIFICATIONS

1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FEET MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY – FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5 : 1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS – OF – WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS – OF – WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1  
25

### STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

- 4 12/17/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
- 3 08/05/21 REVISED PER NYSDEC 06-30-21 COMMENTS PJY
- 2 04/30/21 REVISED PER NYSDEC 04-2-21 COMMENTS PJY
- 1 04/13/21 REVISED PER ACOE 03-23-21 COMMENTS PJY

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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993

*ingalls*

ingalls & associates, LLP  
engineering, environmental, surveying

2803 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

### DETAILS B

P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

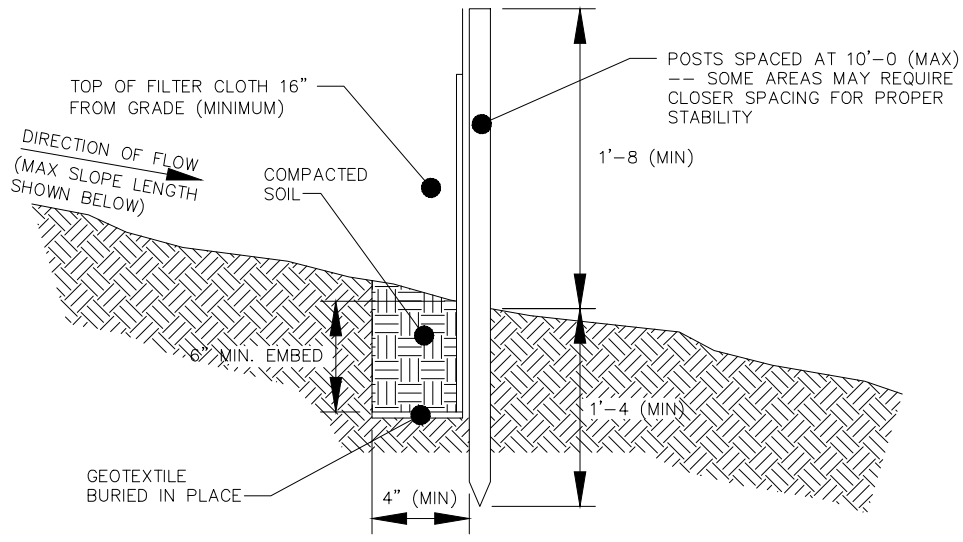
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SCALE: NTS

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CADD FILE: DEWATER ESC WIND

SHEET 25 OF 27



**MAXIMUM ALLOWABLE SLOPE LENGTH**

MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SECTION OF SILT FENCE SHALL BE AS FOLLOWS:

SLOPE STEEPNESS:	MAX. SLOPE LENGTH:
1:2	25 FT
1:3	50 FT
1:4	75 FT
1:5 OR FLATTER	100 FT

**NOTE:**

MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO SILT FENCE SECTION SHALL NOT EXCEED 1/4 ACRE PER 100 FT OF FENCE. CONCENTRATED DISCHARGE OF SEDIMENT LADEN WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO THE FENCING.

**CONSTRUCTION NOTES**

- |   |  |
|---|--|
| 1. INSTALL SILT FENCE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 5.   | POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD                       |
| 2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.  | FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL. |
| 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER DETAIL 4 ON THIS PAGE.  | PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.              |
| 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/2 HEIGHT OF FILTER FABRIC) OR WHEN "BULGES" DEVELOP IN FENCING. |  |

**1**  
**26** **SILT FENCE**  
NOT TO SCALE

5	4/1/22	REVISED PER ACOE COMMENTS	PJY
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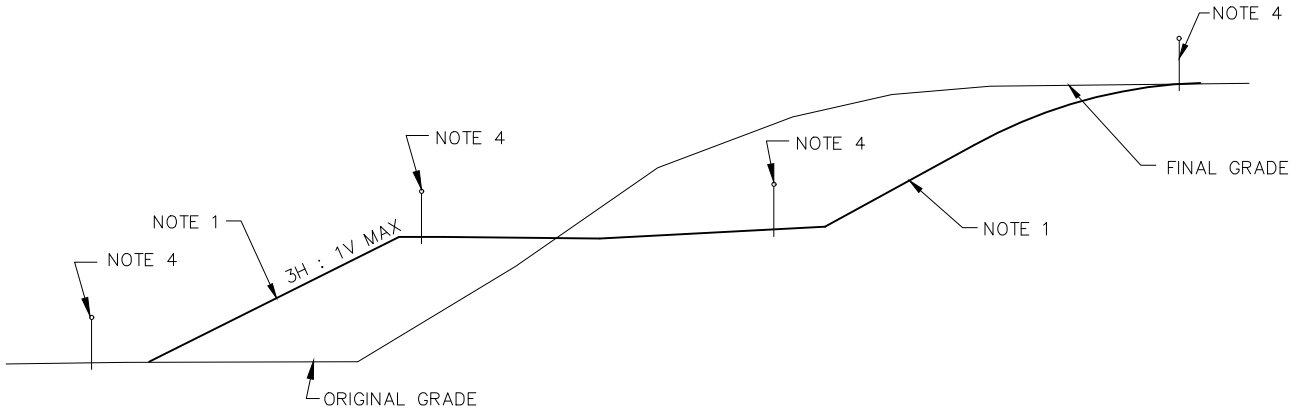
2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

**DETAILS C**  
**P&M OSW INFRASTRUCTURE PROJECT**  
**PORT OF COEYMANS**

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

DATE: JANUARY 28, 2021	CHECKED BY: JOB NO. 02-017	SCALE: NTS
DRAWN BY: PJY CADD FILE: DEWATER ESC PN		SHEET 26 OF 27





NOTES:

1. WHEN CUT/FILL SLOPE HAS BEEN COMPLETED, THE SLOPE SHOULD BE TRIMMED AND THE PERMANENT EROSION CONTROL MEASURES OF SEEDING AND MULCHING SHOULD BE CARRIED OUT. IF THE CUT/FILL IS TRIMMED OUT OF "SEASON" (FROM NOV. 1 THROUGH APRIL 1), MULCH THE SLOPE AND SEED ON TOP OF THE MULCH IN THE NEXT SEEDING SEASON.
2. IF THE SLOPE CANNOT BE COMPLETED BECAUSE PAVING IS REQUIRED OR FOR OTHER REASONS, THE SEEDING AND MULCHING SHOULD BE COMPLETED TO THE MAXIMUM EXTENT POSSIBLE.
3. WHEN THE CUT/FILL CANNOT BE BROUGHT TO FINAL GRADE IN A REASONABLE LENGTH OF TIME IT SHOULD BE MULCHED PER GP-20-001.
4. PROVIDE A CONTINUOUS LINE OF SILT FENCE AT THE PERIMETER OF SLOPES UNTIL THE FINAL STABILIZATION HAS BEEN APPROVED BY THE DESIGN ENGINEER OR THE INSPECTING PROFESSIONAL.
5. ALL FILL SLOPES AND CONSTRUCTED EMBANKMENTS SHALL BE INSTALLED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATIONS SECTION 203 (EXCAVATION AND EMBANKMENT).
6. TEMPORARY AND PERMANENT SEEDING AND MULCHING SELECTION AND APPLICATION RATES SHALL BE IN ACCORDANCE WITH THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, SECTION 4.

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SEEDING AND MULCHING GUIDES – CUT/FILL SLOPES

NOT TO SCALE

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| 5 | 4/1/22   | REVISED PER ACOE COMMENTS            | PJY |
| 4 | 12/17/21 | REVISED PER NYSDEC COMMENTS          | PJY |
| 3 | 08/05/21 | REVISED PER NYSDEC 06-30-21 COMMENTS | PJY |
| 2 | 04/30/21 | REVISED PER NYSDEC 04-2-21 COMMENTS  | PJY |
| 1 | 04/13/21 | REVISED PER ACOE 03-23-21 COMMENTS   | PJY |

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DAVID F. INGALLS JR., P.E.  
N.Y.S. LIC. NO. 064993



ingalls & associates, LLP  
engineering, environmental, surveying

2603 GUILDERLAND AVENUE  
SCHENECTADY, N.Y. 12306  
PHONE: (518) 393-7725  
FAX: (518) 393-2324

DETAILS D  
P&M OSW INFRASTRUCTURE PROJECT  
PORT OF COEYMANS

TOWN OF COEYMANS  
ALBANY COUNTY NEW YORK

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