

PUBLIC NOTICE

US Army Corps of Engineers
New York District
Jacob K. Javits Federal Building
New York New York 10278-0090
ATTN: Regulatory Branch

In replying refer to:

Public Notice Number: NAN-2017-01463-ETY
Issue Date: **June 18, 2018**
Expiration Date: **July 18, 2018**

To Whom It May Concern:

The New York District, Army 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:** Phillips 66 Holdings
1075 W. Sam Houston Drive N., Suite 200
Houston, Texas 77043
- WATERWAY:** Arthur Kill a tributary to the Raritan Bay
- LOCATION:** 4601 Tremley Point Road
Linden, NJ 07036
Latitude: 40.603035° Longitude -74.203852°
- ACTIVITY:** Demolish existing structures (dock, pier, moorings and pipes), dredge (deepening) by clam-shell bucket and blasting to a depth of 40 feet with 2 feet of overdredge, construction of new pier, dock, piping and dolphins at Berth A and Berth C-D.

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

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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 PREPARED IN WRITING AND MAILED TO THE ATTENTION OF MELANIE TYMES AT THE ABOVE ADDRESS, OR SENT VIA ELECTRONIC MAIL TO melanie.b.tymes@usace.army.mil, 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.

EIS Determination: A preliminary determination has been made that an EIS is not required for the proposed work.

National Historic Preservation Act: 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. Furthermore, due to the area being extensively modified by previous work, there is little likelihood that a historic property exists or may be affected by the proposed activity. It is remotely possible that presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the permit. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Water Quality Certification (WQC): Reviews of activities 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 9b) of the Clean Water Act (CWA) and the applicant will be required to obtain a WQC or waiver from the New Jersey Department of Environmental Protection (NJDEP) in accordance with Section 401 of the CWA prior to a permit decision.

Coastal Zone Management (CZM) Federal Consistency Review: Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], this federal action is subject to federal consistency review. The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner

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consistent with the approved Coastal Zone Management (CZM) Program. By this public notice, we are requesting the State of New Jersey concurrence or objection to the applicant's consistency statement. No permit decision will be made until this occurs. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal should be sent to NJDEP, Division of Land Use Management, 401 E. State Street, 7th floor, Mail Code 401-07B, Trenton, NJ, 08625-0420, Telephone (609) 633-2201.

Endangered Species Act: Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any federally endangered or threatened species or their critical habitat. 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.

Essential Fish Habitat (EFH): The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), 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 EFH. The project site lies in or adjacent to EFH as described under MSFCMA for all life stages of longfin inshore squid (*Loligo pealeii*), summer flounder (*Paralichthys dentatus*), and other managed species under the MSFCMA. The project has the potential to adversely affect EFH or the species of concern by loss of spawning, nursery, forage and/or shelter habitat as described under the MSFCMA for the species and life stages identified above. The New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial. Further consultation with NOAA/FS regarding EFH impacts is being conducted and will be concluded prior to the final decision.

Tribal Trust Responsibilities: Consultation with Tribes must occur if the activities requiring Department of the Army (DA) authorization, have the potential to significantly (i.e., materially) affect protected tribal resources, tribal rights (including treaty rights) and tribal lands. It is unlikely that the proposed action will significantly affect protected tribal resources.

Wild and Scenic Rivers: The proposed action is not within a designated Wild and Scenic River or a river proposed for such designation.

Marine Sanctuaries and Wildlife Refuges: The proposed action will not take place in a marine sanctuary as established by the Secretary of Commerce under the Authority of the Marine Research and Sanctuaries Act of 1972, as amended, or in a National Wildlife Refuge.

Special Aquatic Sites: The proposed action does not appear to be proposed within a Special Aquatic Site as defined in 40 CFR 230.40 through 230.45.

Effects of Corps Civil Works Projects: The permit area of the proposed action is directly

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adjacent to a Federal Navigation Channel. Coordination will be undertaken to determine if the project will require permission under Section 14 of the Rivers and Harbors Act (33 USC 408) because the activity, in whole or in part, would alter, occupy or use a Corps Civil Works project.

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 Melanie Tymes of this office at (917) 790-8085.

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>

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



For and In behalf of

Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, Phillips 66, has requested Department of the Army authorization for dredging (maintenance and deepening), demolition of existing berthing facilities and construction of a new larger berthing structure in the Arthur Kill, 4601 Tremley Point Road, Linden, Union County, New Jersey.

The proposed work involves expanding the capacity of berthing areas to specifically include:

Berth A Expansion (northerly berth):

Demolish and remove (by barge) existing structures that will interfere with new construction including pilings, pile caps, beams, grating, guardrails and piping. Dredge approximately 80,100 cubic yards of sediment and approximately 38,000 cubic yards of rock to a depth of 40 feet below Mean Low Water with two foot overdredge. Top sediments consisting of loose black silts, clays and organics will be dredged by environmental clam-shell bucket. Deeper sediments consisting of loose to dense red clay, silt, sand, and gravel will be excavated by hydraulic excavator. The loaded scows will be decanted to Arthur Kill and the sediment will be disposed of at an approved upland disposal facility. Rock removal will require drilling and blasting with explosives. Broken bedrock will be excavated and transported to an approved upland facility.

Construction consists of one (1) 40-foot-wide by 75-foot-long foot loading platform, one (1) 20-foot-wide by 515-foot-long pier with a 60-foot-wide by 60-foot-long pier head, 615 linear-feet of overhead pipe trestle and product piping, eight (8) 16-foot-wide by 16-foot-long mooring dolphins, four (4) 22-foot-wide by 22-foot-long breasting dolphins, and 5,600 square feet of access walkways. A total of 400 steel pilings (14 to 24 inch diameter) will be installed by hammer drilling and grouted in place. Concrete will be cast-in-place with the use of a concrete pump truck and/or by barge. Construction of the framing and ancillary equipment will be by barge mounted cranes, staging barges push boats and support vessels.

Berth C-D Expansion (southerly berth):

Dredge, using clam-shell bucket or toothed digging bucket, approximately 3,600 cubic yards of sediment (black silts, sands, clay, and organics) to a depth of 30 feet below Mean Low Water with two foot overdredge. The loaded scows will be decanted to Arthur Kill and the sediment will be offloaded and disposed of at an approved upland disposal facility.

Construction consists of one (1) 30-foot-wide by 50-foot-long loading platform, two (2) 16-foot-wide by 16-foot-long mooring dolphins, two (2) 6-foot-wide by 20-foot-long breasting dolphins and 500 square feet of access walkways within the footprint of existing cut-off, cellular cofferdams. A total of 100 steel pilings (14 to 24 inch diameter) will be installed by hammer drilling and grouted in place. Concrete will be cast-in-place with the use of a concrete pump truck and/or by barge. Construction of the framing and ancillary equipment will be by barge mounted cranes, staging barges push boats and support

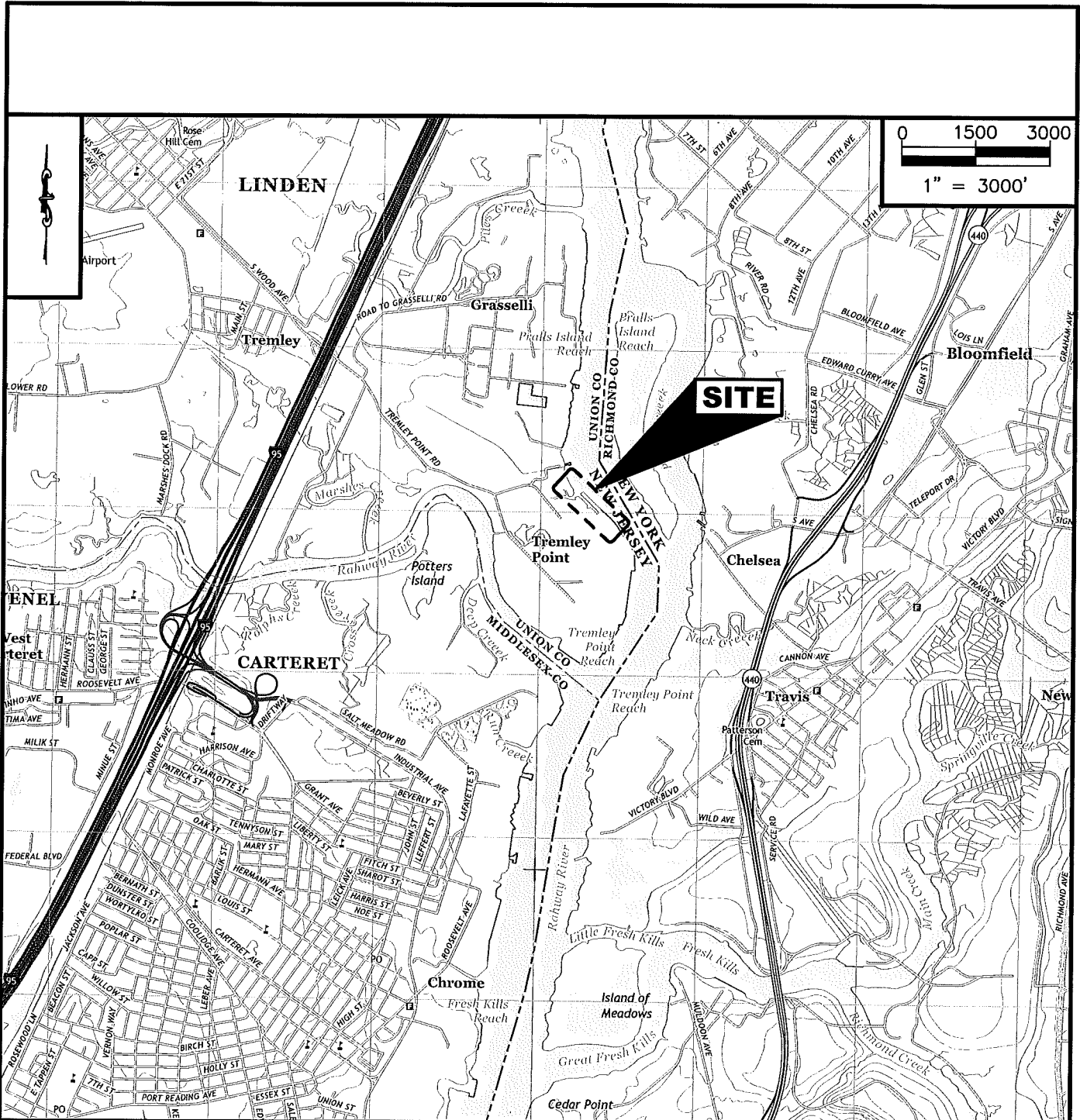
vessels.

Upland components: In association with the proposed work in waters of the United States (not within Corps jurisdiction), fourteen new storage tanks are proposed on upland areas adjacent to the project.

In addition to the authorization requested from USACE, the applicant has applied to the US Coast Guard for a bridge permit, NYSDEC for a protection of waters permit and NJDEP for a Waterfront Development Permit.

The stated purpose of this project is to expand the facility to handle greater volumes of petroleum products to meet regional energy demands and to accommodate larger vessels.

The applicant has stated that they have avoided, minimized, and mitigated for potential impacts proposed, to the maximum extent practicable, by, limiting the dredging area to the minimum area required for safe and reasonable navigation. Any potential impacts would be temporary and would be offset by implementing best management practices associated with the proposed use of dredge equipment and decanting methods.



TAKEN FROM USGS ARTHUR KILL QUADRANGLE
 NEW YORK - NEW JERSEY 7.5-MINUTE SERIES 2013

VICINITY MAP



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[Signature]
 DEVIN J. SANTA
 PROFESSIONAL ENGINEER
 N.J. LICENSE NUMBER: 24GE05103200

APPLICANT: PHILLIPS 66
 ADJACENT PROPERTY OWNERS: SEE APPLICATION
 LOCATION: 4601 TREMLEY POINT ROAD
 LAT/LONG: 40°36.16'N/74°12.26'W
 RACE No.: 2017065

PROPOSED MARINE
 TERMINAL EXPANSION
 IN ARTHUR KILL
 CITY OF LINDEN
 UNION COUNTY
 STATE OF NEW JERSEY
 DATE: 10-25-2017

**PHILLIPS 66
PROPOSED MARINE TERMINAL EXPANSION**

DRAWING LIST

SHEET No.	EXISTING DRAWING TITLE	SHEET No.	PROPOSED DRAWING TITLE
1	VICINITY MAP	11	PROPOSED WATERFRONT EXPANSION
2	DRAWING LIST	12	'A' BERTH: PROPOSED PARTIAL SITE PLAN (1 OF 3)
3	GENERAL NOTES & PROJECT TIDAL ELEVATIONS	13	'A' BERTH: PROPOSED PARTIAL SITE PLAN (2 OF 3)
4	EXISTING FACILITY SITE PLAN – BLOCK 587, LOT 6	14	'A' BERTH: PROPOSED PARTIAL SITE PLAN (3 OF 3)
5	EXISTING WATERFRONT PLAN	15	'A' BERTH: PROPOSED TRESTLE/ACCESS PIER SECTION
6	EXISTING 'A' BERTH SITE PLAN	16	'A' BERTH: PROPOSED WALKWAY SECTION
7	EXISTING 'C-D' BERTH SITE PLAN	17	'A' BERTH: PROPOSED MOORING DOLPHIN PLANS
8	EXISTING 'A' BERTH SECTION A-A THRU PLATFORM	18	'A' BERTH: PROPOSED MOORING DOLPHIN SECTION
9	EXISTING 'A' BERTH SECTION B-B THRU PIPE RACK	19	'A' BERTH: PROPOSED BREASTING DOLPHIN PLANS
10	EXISTING 'C-D' BERTH SECTION C-C	20	'A' BERTH: PROPOSED BREASTING DOLPHIN SECTION
		21	'A' BERTH: PROPOSED LOADING PLATFORM PLAN
		22	'A' BERTH: PROPOSED LOADING PLATFORM SECTION
		23	'A' BERTH: PROPOSED TRESTLE/ACCESS PIER PLAN
		24	'C-D' BERTH: PROPOSED SITE PLAN
		25	'C-D' BERTH: PROPOSED LAND-BASED MOORING DOLPHIN PLANS
		26	'C-D' BERTH: PROPOSED LAND-BASED MOORING DOLPHIN SECTION
		27	'C-D' BERTH: PROPOSED BREASTING DOLPHIN PLANS
		28	'C-D' BERTH: PROPOSED BREASTING DOLPHIN SECTION
		29	'C-D' BERTH: PROPOSED LOADING PLATFORM PLAN
		30	'C-D' BERTH: PROPOSED LOADING PLATFORM SECTION
		31	PROPOSED DREDGING PLAN
		32	'A' BERTH: PROPOSED DREDGING SECTION A-A
		33	'A' BERTH: PROPOSED DREDGING SECTION B-B
		34	'A' BERTH: PROPOSED DREDGING SECTION C-C
		35	'C-D' BERTH: PROPOSED DREDGING SECTION D-D



DEVIN J. SANTA
PROFESSIONAL ENGINEER
N.J. LICENSE NUMBER: 24GE05103200

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PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

PHILLIPS 66 PROPOSED MARINE TERMINAL EXPANSION

GENERAL NOTES:

1. VICINITY MAP TAKEN FROM TAKEN FROM USGS ARTHUR KILL QUADRANGLE NEW YORK – NEW JERSEY 7.5-MINUTE SERIES 2013
2. ELEVATIONS REFERENCE CORPS OF ENGINEERS MEAN LOW WATER, UNLESS NOTED OTHERWISE. COEMLW WAS DETERMINED FROM THE US ARMY CORPS OF ENGINEERS CONDITION SURVEY, NEW YORK & NEW JERSEY CHANNELS, ARTHUR KILL, DATED FEBRUARY 25, 2016.
3. SITE INFORMATION TAKEN FROM A DRAWING TITLED "TOPOGRAPHIC SURVEY, PART OF BLOCK 587 LOT 6, CITY OF LINDEN, UNION COUNTY, NEW JERSEY", BY KELLER & KIRKPATRICK INC., DATED 1/31/2014.
4. HYDROGRAPHIC SURVEY CONDUCTED BY RACE COASTAL ENGINEERING, LLC (RACE) ON JUNE 28, 2017 AND CAN ONLY REPRESENT CONDITIONS AT THE TIME OF THE SURVEY.
5. SUPPLEMENTARY SITE INFORMATION OBTAINED BY RACE ON JULY 20, 2017 AND ONLY REPRESENT THE SITE CONDITIONS AT THAT TIME.
6. TIDAL ELEVATION DATA HAS BEEN TAKEN FROM NOAA VDATUM.
7. HIGH TIDE LINE (HTL) HAS BEEN TAKEN AS THE HIGHEST PREDICTED TIDE IN 2017 FOR THE BERGEN POINT WEST REACH NY NOAA TIDE STATION.

PROJECT TIDAL ELEVATIONS:

DATUM	COEMLW (FT)	NAVD 88 (FT)	NGVD 29 (FT)
HIGH TIDE LINE (HTL)	+7.3	+3.9	+5.0
MEAN HIGHER HIGH WATER (MHHW)	+6.2	+2.8	+3.9
MEAN HIGH WATER (MHW)	+5.8	+2.4	+3.5
NAVD 88	+3.4	0.0	+1.1
NGVD 29	+2.3	-1.1	0.0
MEAN LOW WATER (MLW)	+0.6	-2.8	-1.7
MEAN LOWER LOW WATER (MLLW)	+0.4	-3.0	-1.9
CORPS OF ENGINEERS MLW (COEMLW)	0.0	-3.4	-2.3



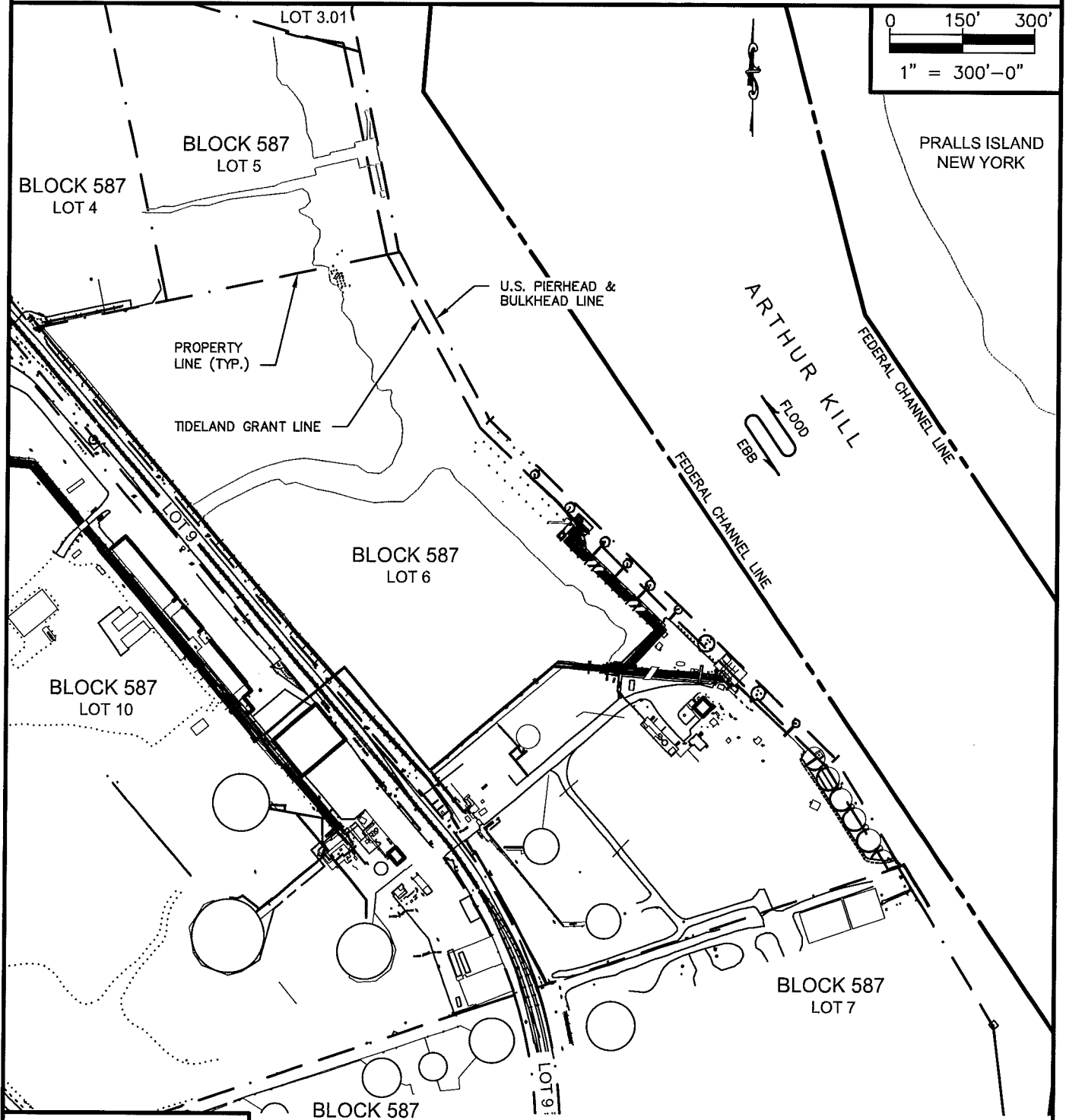
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EXISTING FACILITY SITE PLAN
BLOCK 587 LOT 6

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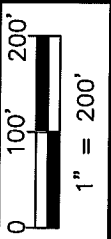


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NOT VALID WITHOUT ENGINEER'S SEAL

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ARTHUR KILL



FEDERAL CHANNEL LINE

FEDERAL CHANNEL LINE

APPROX. LOCATION OF ADJACENT DOCK

U.S. PIERHEAD & BULKHEAD LINE
TIDELANDS GRANT LINE

APPROX. EDGE OF WETLANDS

PROPERTY LINE

FOR EXISTING 'A' BERTH
SITE PLAN SEE SHEET 6

BLOCK 587
LOT 6

FOR EXISTING 'C-D' BERTH
SITE PLAN SEE SHEET 7

BLOCK 587
LOT 7

PROPERTY LINE

EXISTING WATERFRONT PLAN

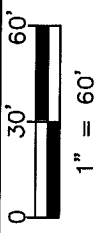
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FEDERAL CHANNEL LINE

ARTHUR KILL



'B' BERTH
STRUCTURES TO REMAIN

'A' BERTH
STRUCTURES TO BE REMOVED
AS REQ'D FOR INSTALL
OF PROPOSED FACILITY

STEEL SHEET PILE
BULKHEAD

CELL No. 6

CELL No. 5
TO REMAIN

CELL No. 4

CELL No. 3

BERTH 'A'
PLATFORM

CELL No. 2

CELL No. 1

PILE SUPPORTED LOADING PLATFORM
CELLULAR COFFERDAM
MOORING/BREASTING DOLPHIN (TYP.)

ELEVATED WALKWAY

PRODUCT PIPES (TYP.)

APPROX. EDGE OF WETLANDS

PIPE TRESTLE
FLOATING DOCK

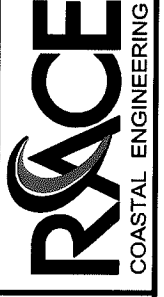
PILE TO BE REMOVED AS REQ'D (TYP.)

NOTE:
US PIERHEAD & BULKHEAD
LINE AND TIDELANDS GRANT
LINE NOT SHOWN FOR CLARITY.

EXISTING 'A' BERTH SITE PLAN

Devin J. Santa

DEVIN J. SANTA
PROFESSIONAL ENGINEER
N.J. LICENSE NUMBER: 24GE05103200

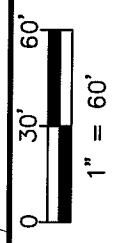
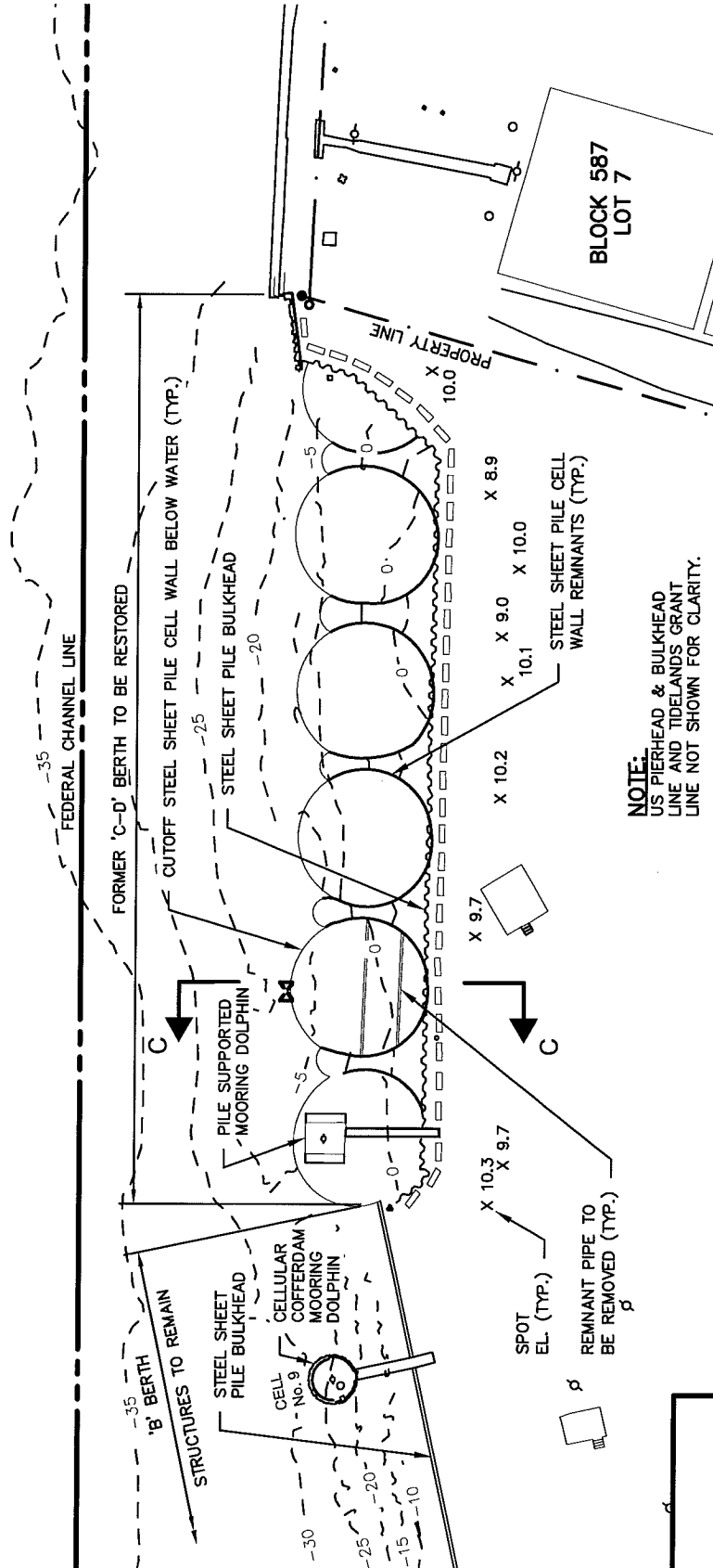


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ARTHUR KILL



EXISTING 'C-D' BERTH SITE PLAN

NOTE:
US PIERHEAD & BULKHEAD
LINE AND TIDELANDS GRANT
LINE NOT SHOWN FOR CLARITY.



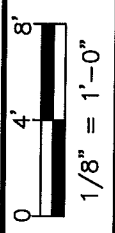
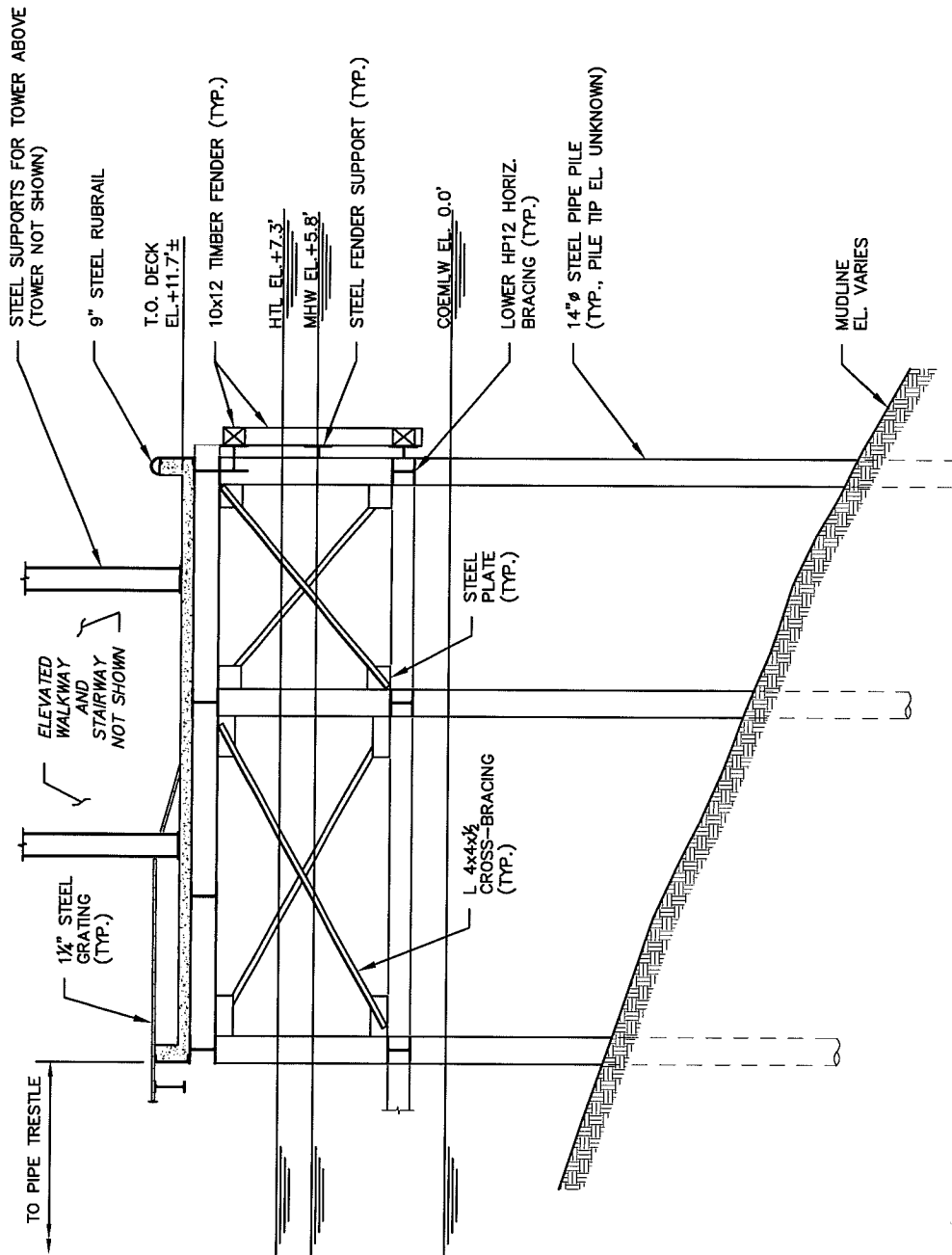
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SHEET 7 of 35

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EXISTING 'A' BERTH SECTION A-A THRU PLATFORM

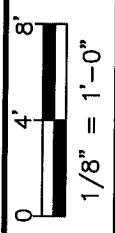
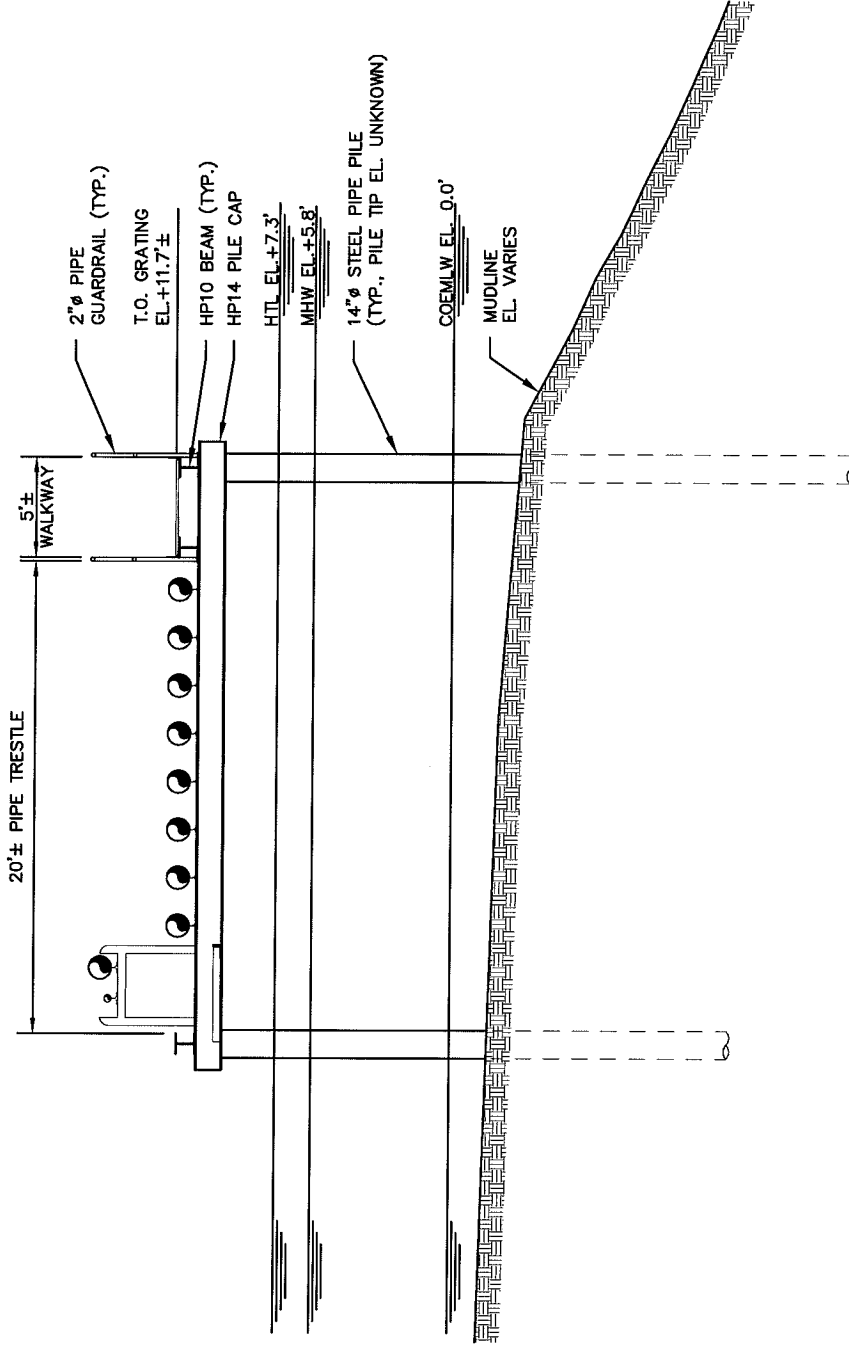


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[Signature]
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EXISTING 'A' BERTH SECTION B-B THRU PIPE TRESTLE

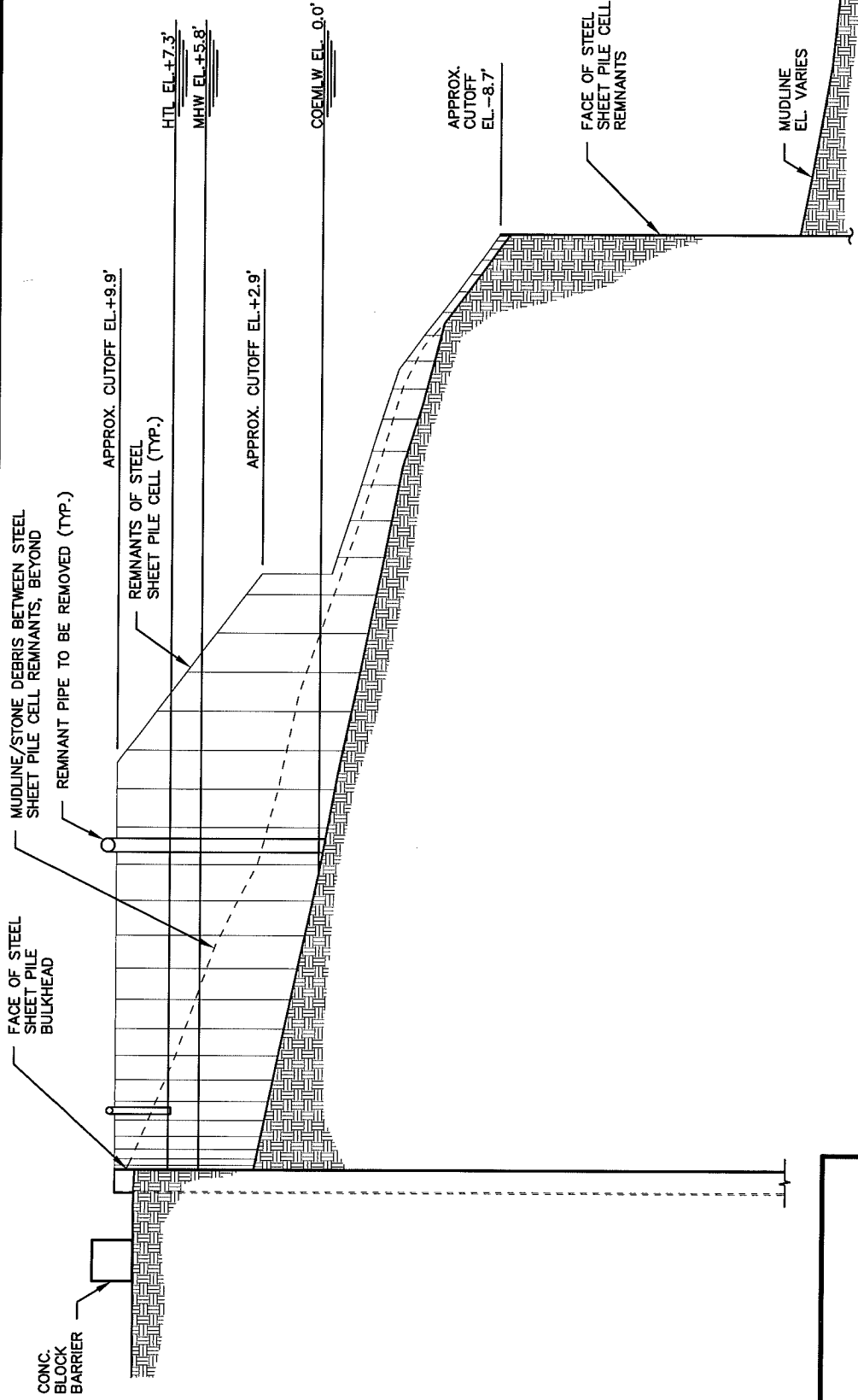


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EXISTING 'C-D' BERTH SECTION C-C



PROPOSED MARINE TERMINAL EXPANSION
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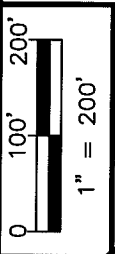
SHEET 10 of 35

Devin J. Santa

DEVIN J. SANTA
 PROFESSIONAL ENGINEER
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ARTHUR KILL



FEDERAL CHANNEL LINE

FEDERAL CHANNEL LINE

APPROX.
LOCATION
OF EXIST.
ADJ. DOCK

FOR PROPOSED 'A' BERTH
PARTIAL SITE PLAN
SEE SHEET 12

FOR PROPOSED 'A' BERTH
PARTIAL SITE PLAN
SEE SHEET 13

FOR PROPOSED 'A' BERTH
PARTIAL SITE PLAN
SEE SHEET 14

FOR PROPOSED 'C-D' BERTH
SITE PLAN SEE SHEET 24

BLOCK 587
LOT 6

BLOCK 587
LOT 7

PROPOSED WATERFRONT EXPANSION

[Handwritten Signature]

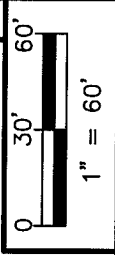
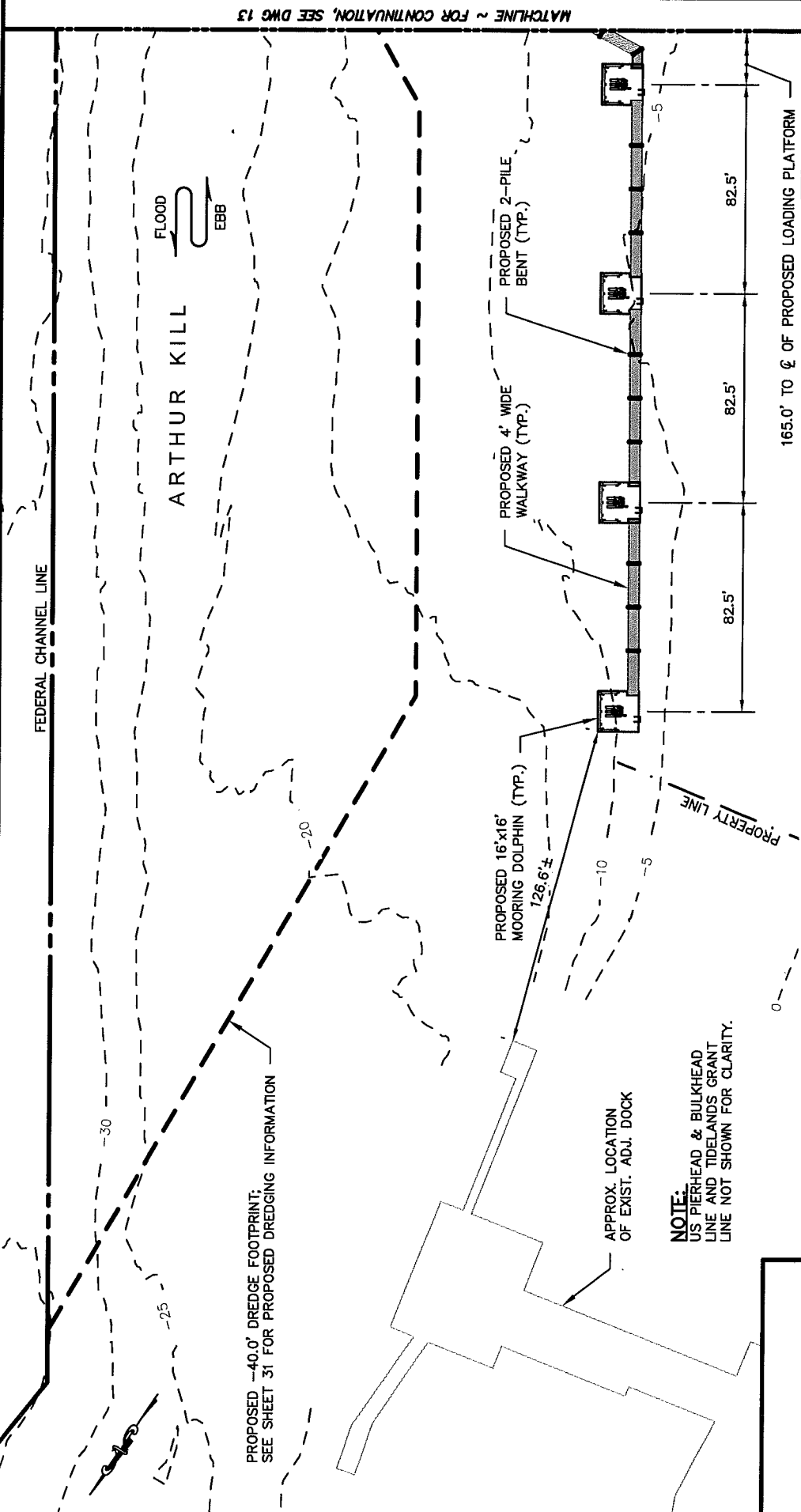
DEVIN J. SANTA
PROFESSIONAL ENGINEER
N.J. LICENSE NUMBER: 24GE05103200



PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065 DATE: 10-25-2017

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'A' BERTH: PROPOSED PARTIAL SITE PLAN (1 OF 3)



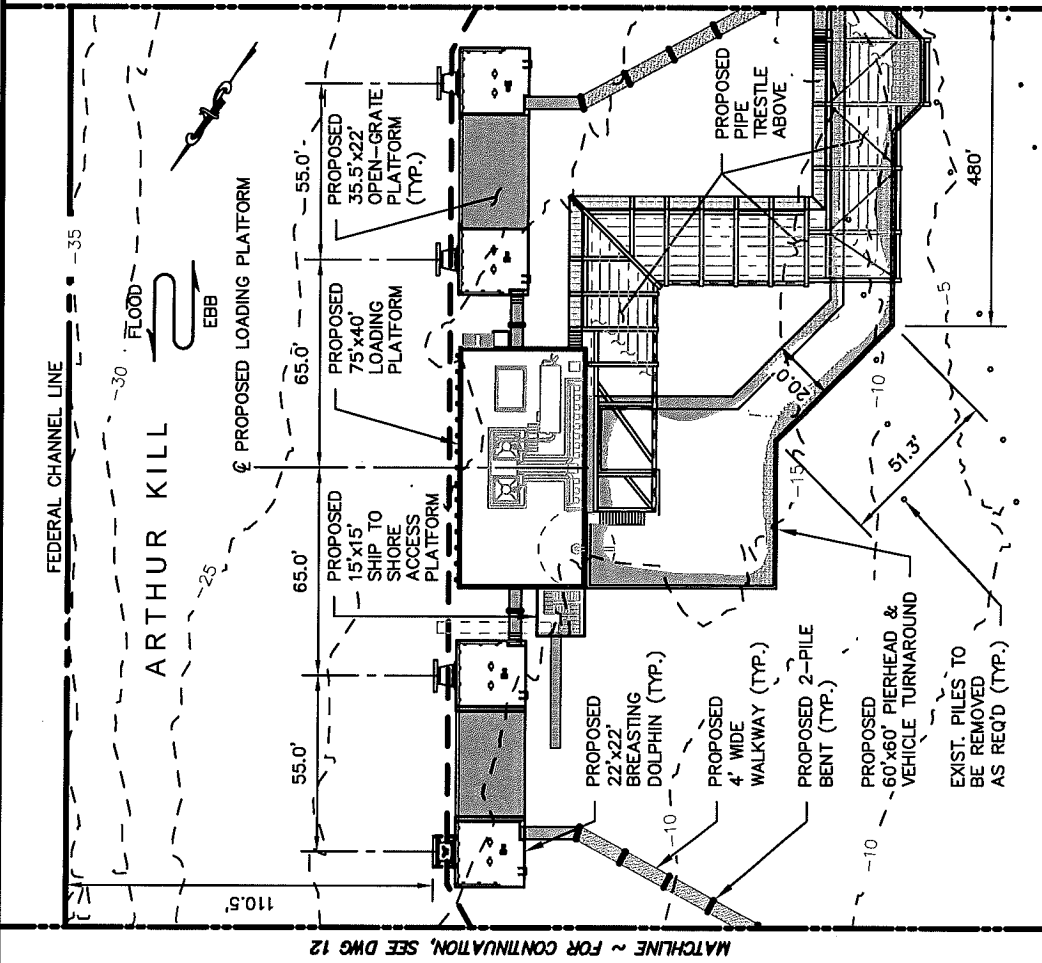
PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065
 DATE: 10-25-2017

SHEET 12 of 35

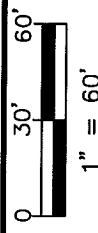
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 DEVIN J. SAKTA
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 N.J. LICENSE NUMBER: 24GE05103200

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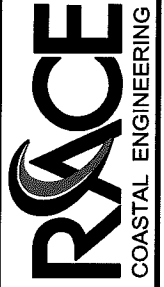
NAN-2017-01463-ETY



NOTE:
US PIERHEAD & BULKHEAD
LINE AND TIDELANDS GRANT
LINE NOT SHOWN FOR CLARITY.



'A' BERTH: PROPOSED PARTIAL SITE PLAN (2 OF 3)



PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065
 DATE: 10-25-2017

SHEET 13 of 35

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FEDERAL CHANNEL LINE

ARTHUR KILL



MATCHLINE ~ FOR CONTINUATION, SEE DWG 13

PROPOSED -40.0' DREDGE FOOTPRINT;
SEE SHEET 31 FOR PROPOSED
DREDGING INFORMATION

PROPOSED 3' WIDE WALKWAY
TO EXIST. CELL No. 5

165.0' TO ϕ OF PROPOSED LOADING PLATFORM

PROPOSED 16'x16'
MOORING DOLPHIN
(TYP.)

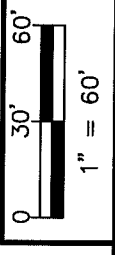
PROPOSED
4' WIDE
WALKWAY
(TYP.)

PROPOSED EDGE OF ACCESS PLATFORM
480'

PROPOSED OVERHEAD
PIPELINE SUPPORT (TYP.)

OUTLINE OF EXIST. STRUCTURE, SHOWN AS REFERENCE, TO BE REMOVED AS REQUIRED FOR PROPOSED WORK

'A' BERTH: PROPOSED PARTIAL SITE PLAN (3 OF 3)

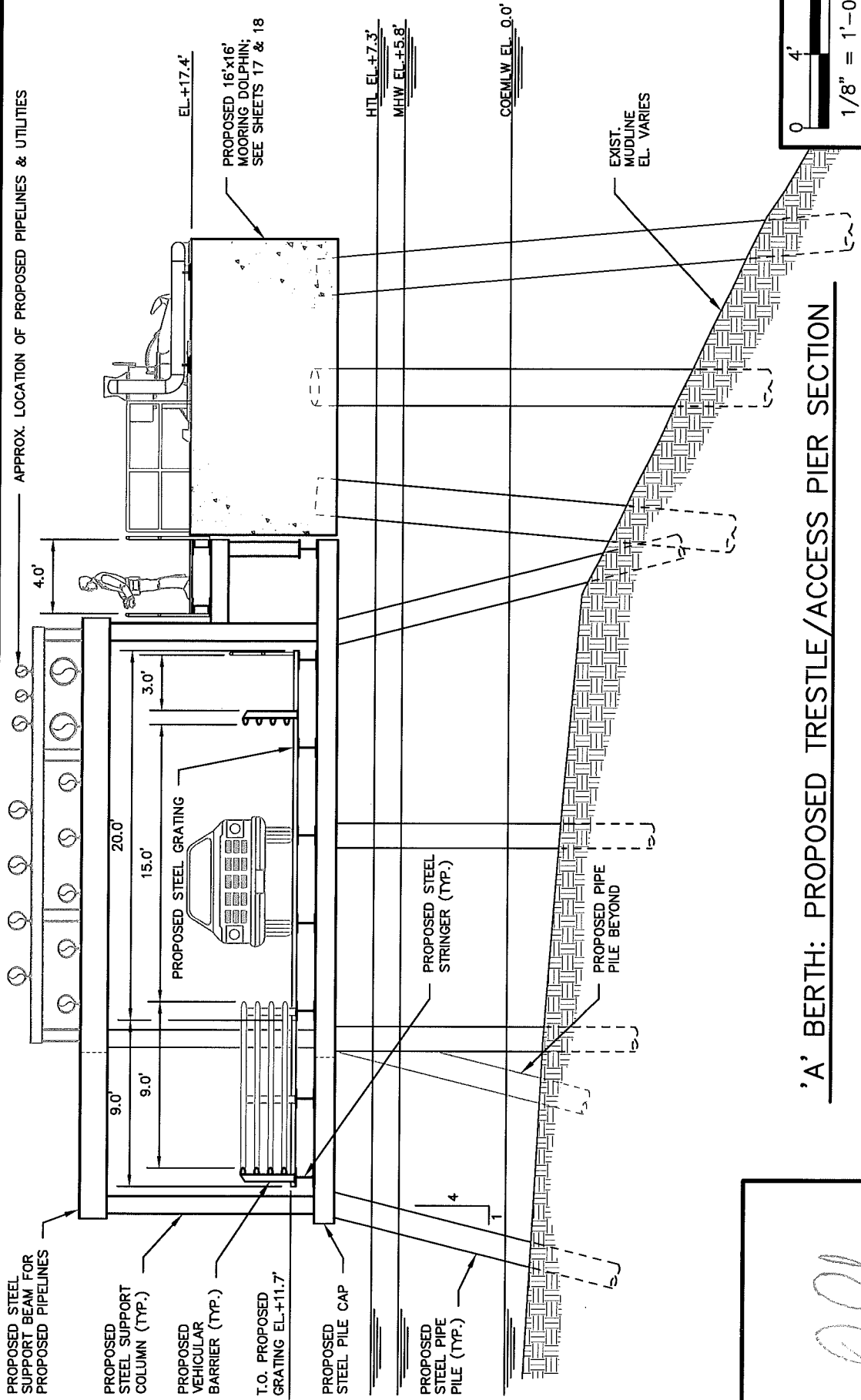


PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065
DATE: 10-25-2017

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'A' BERTH: PROPOSED TRESTLE/ACCESS PIER SECTION

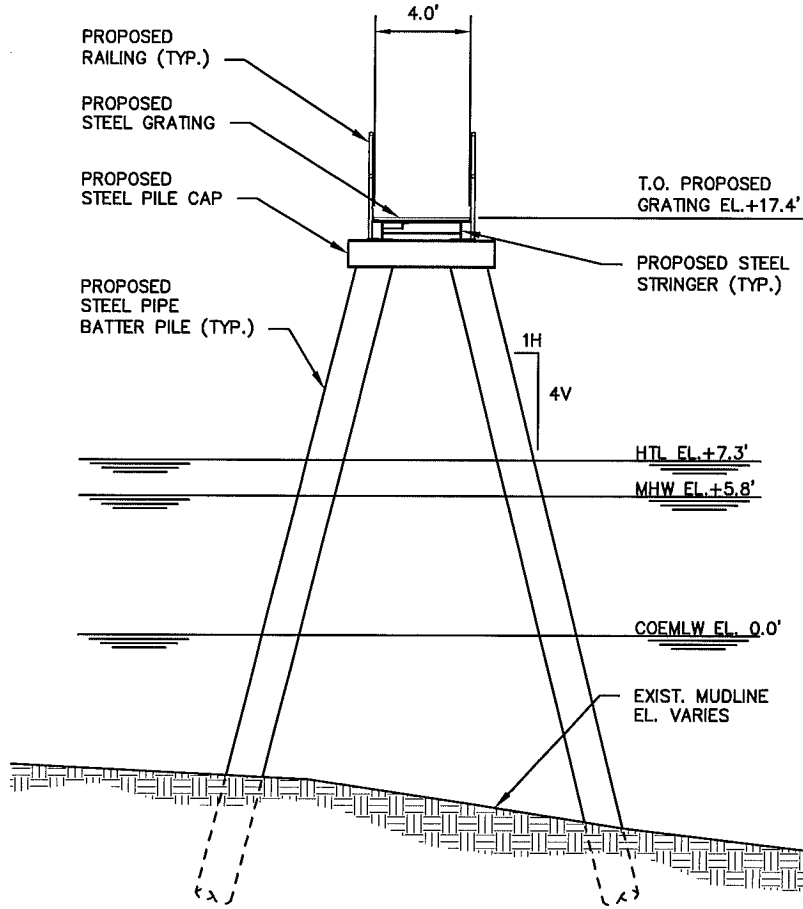


PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065 DATE: 10-25-2017

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[Signature]
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 PROFESSIONAL ENGINEER
 N.J. LICENSE NUMBER: 24GE05103200

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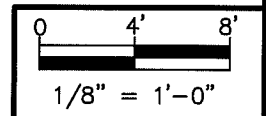
'A' BERTH: PROPOSED WALKWAY SECTION

DEVIN J. SANTA
PROFESSIONAL ENGINEER
N.J. LICENSE NUMBER: 24GE05103200

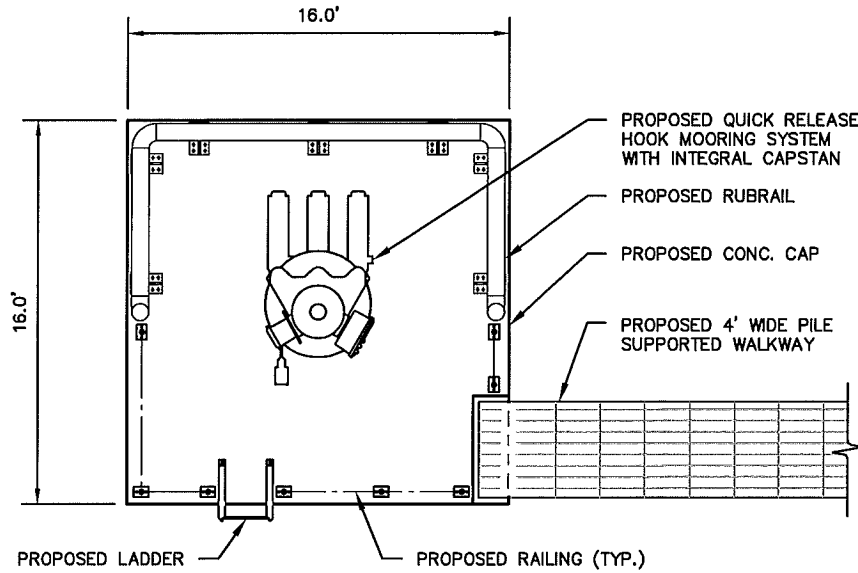
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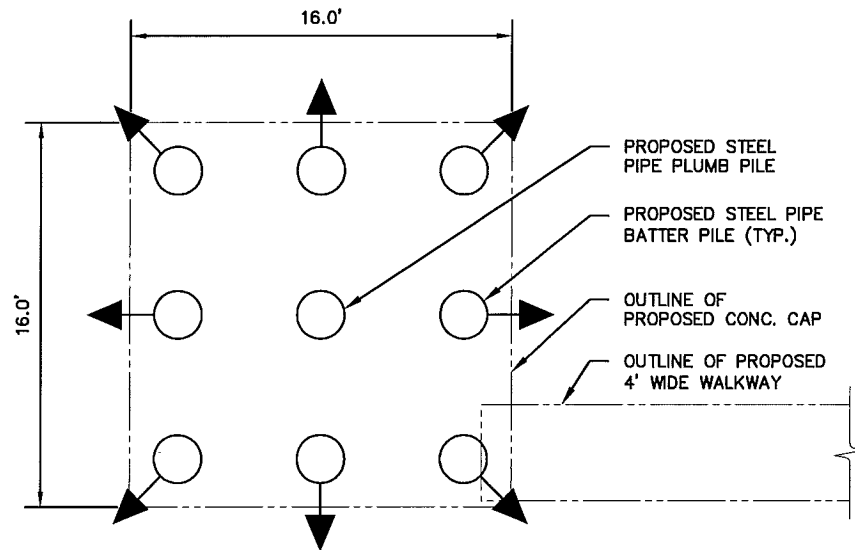
PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017



NAN-2017-01463-ETY



'A' BERTH: PROPOSED MOORING DOLPHIN DECK PLAN

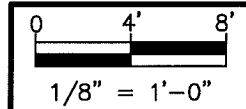


'A' BERTH: PROPOSED MOORING DOLPHIN PILE PLAN

NOTE:

DIMENSIONS AND PILE LOCATIONS TYPICAL FOR EIGHT (8) PROPOSED MOORING DOLPHINS. LOCATION OF WALKWAY(S) VARIES.

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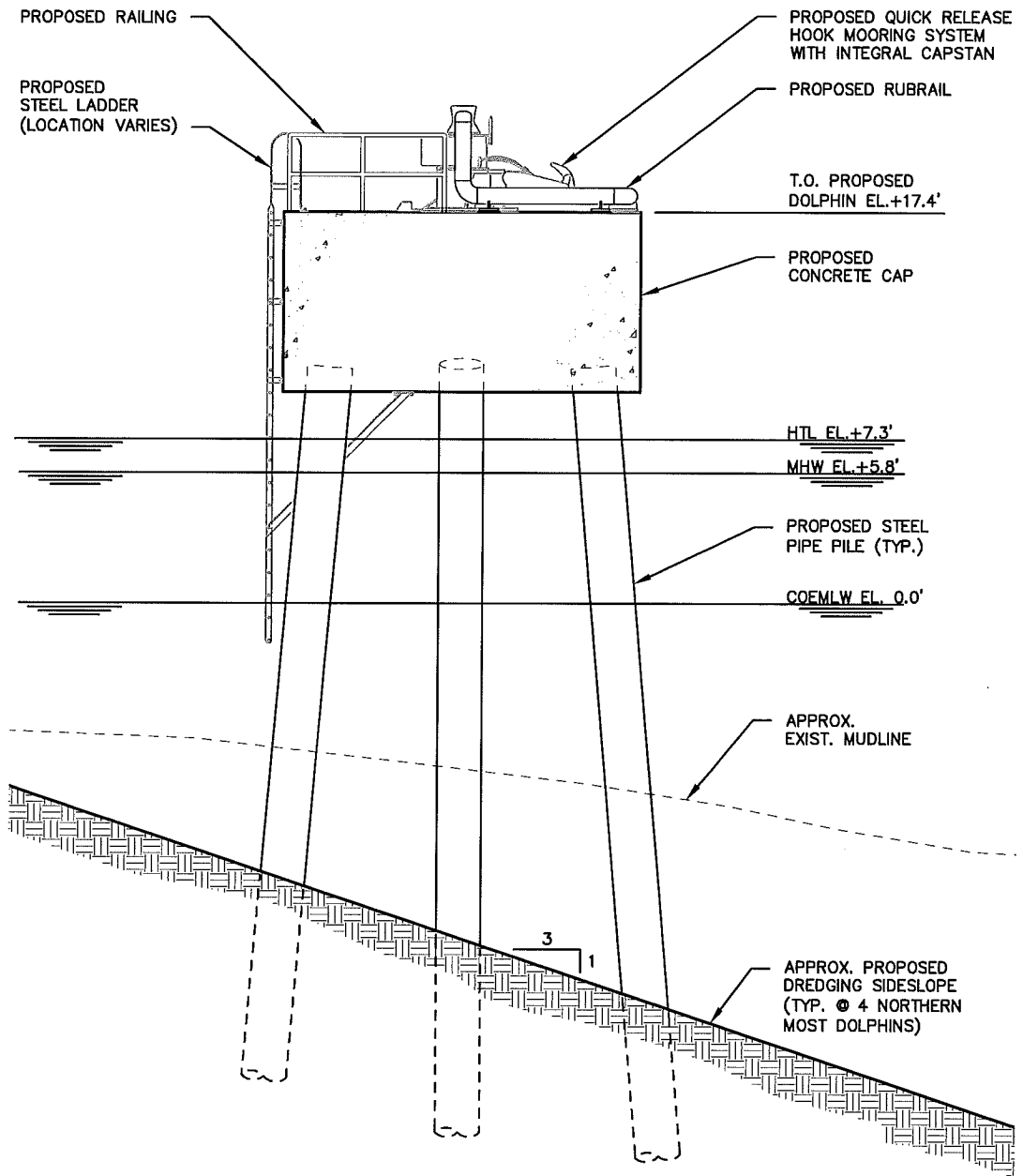


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PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

NAN-2017-01463-ETY



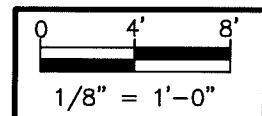
'A' BERTH: PROPOSED MOORING DOLPHIN SECTION

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PROFESSIONAL ENGINEER
N.J. LICENSE NUMBER: 24GE05103200

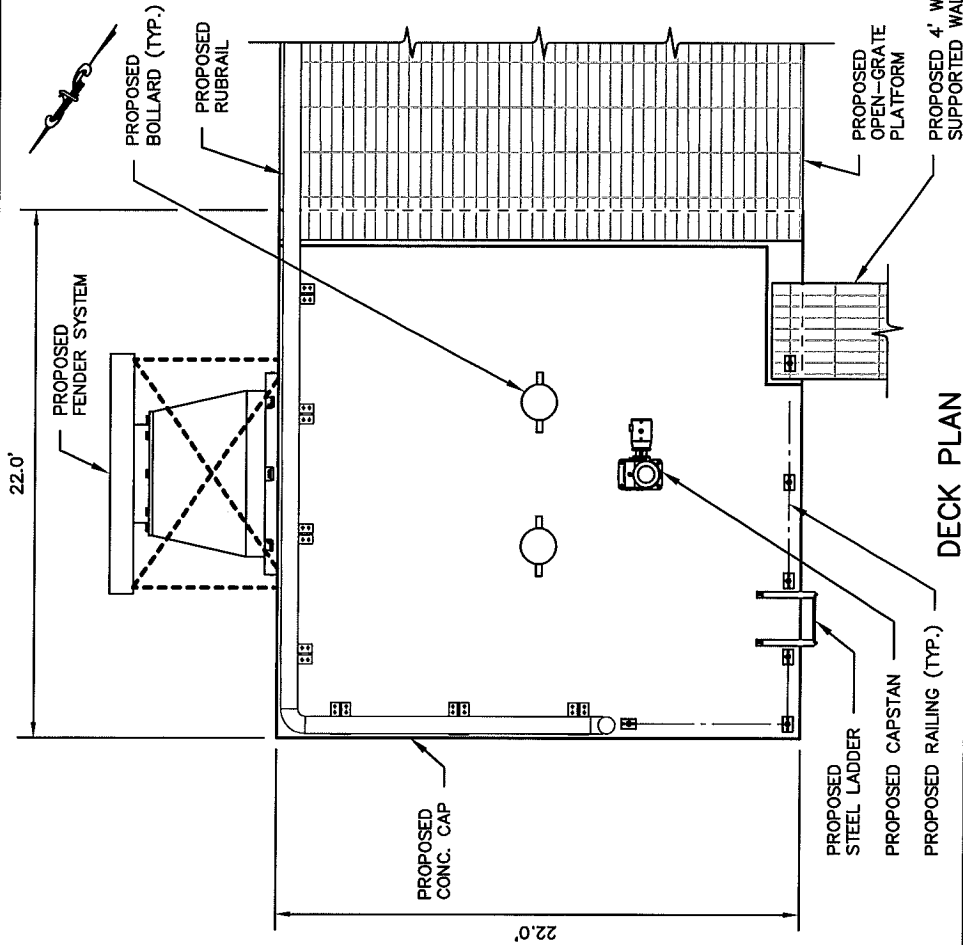
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PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

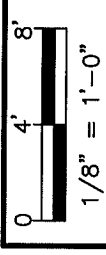


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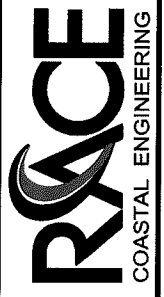
PILE PLAN

DECK PLAN



'A' BERTH: PROPOSED BREASTING DOLPHIN

NOTE:
 DIMENSIONS AND PILE LOCATIONS TYPICAL FOR FOUR (4) PROPOSED BREASTING DOLPHINS.
 LOCATION OF WALKWAY(S) AND DECK FEATURES VARIES.



PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065

DATE: 10-25-2017

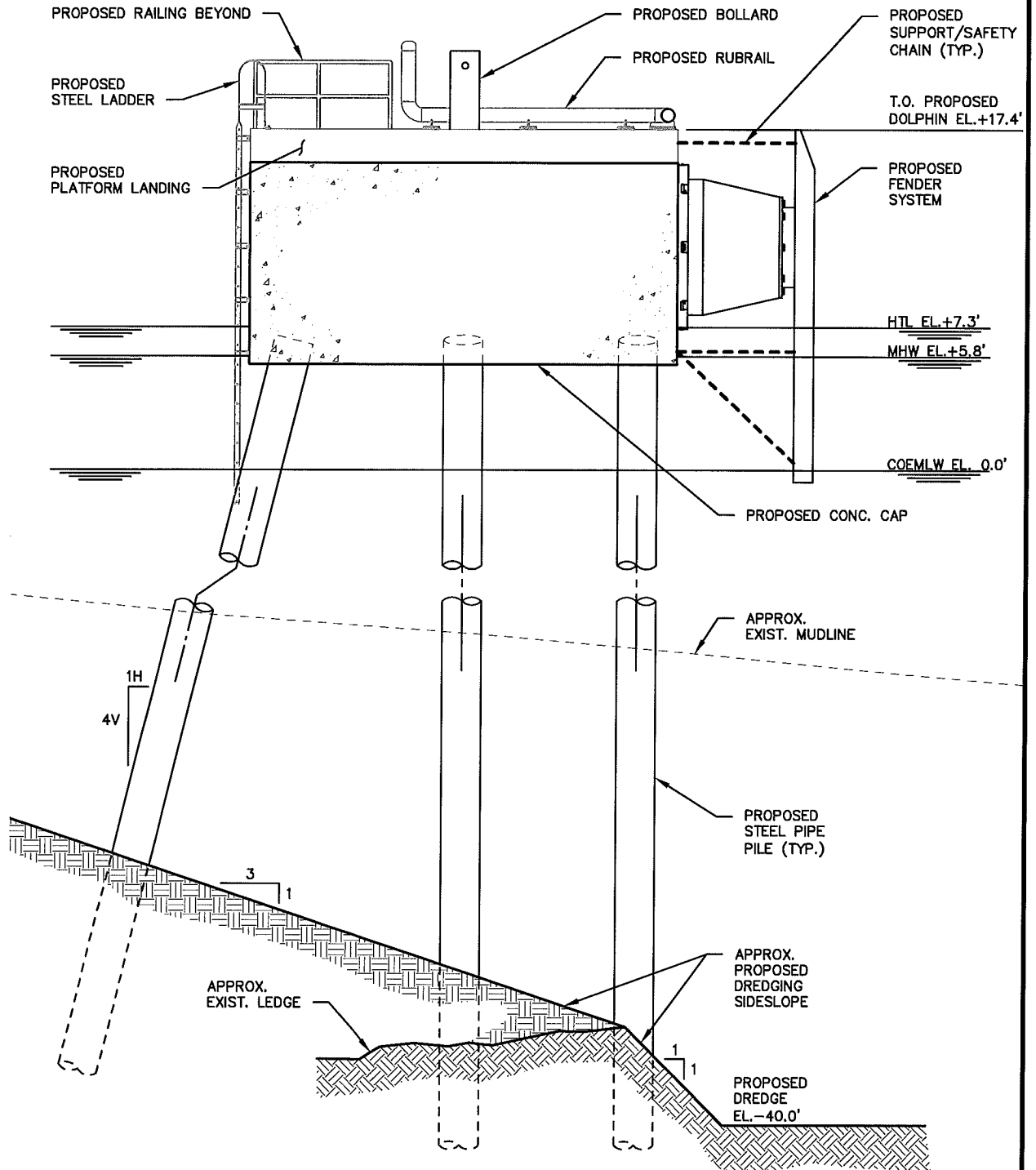
SHEET 19 of 35

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 PROFESSIONAL ENGINEER
 N.J. LICENSE NUMBER: 24GE05103200

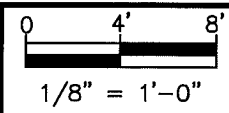
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'A' BERTH: PROPOSED BREASTING DOLPHIN SECTION



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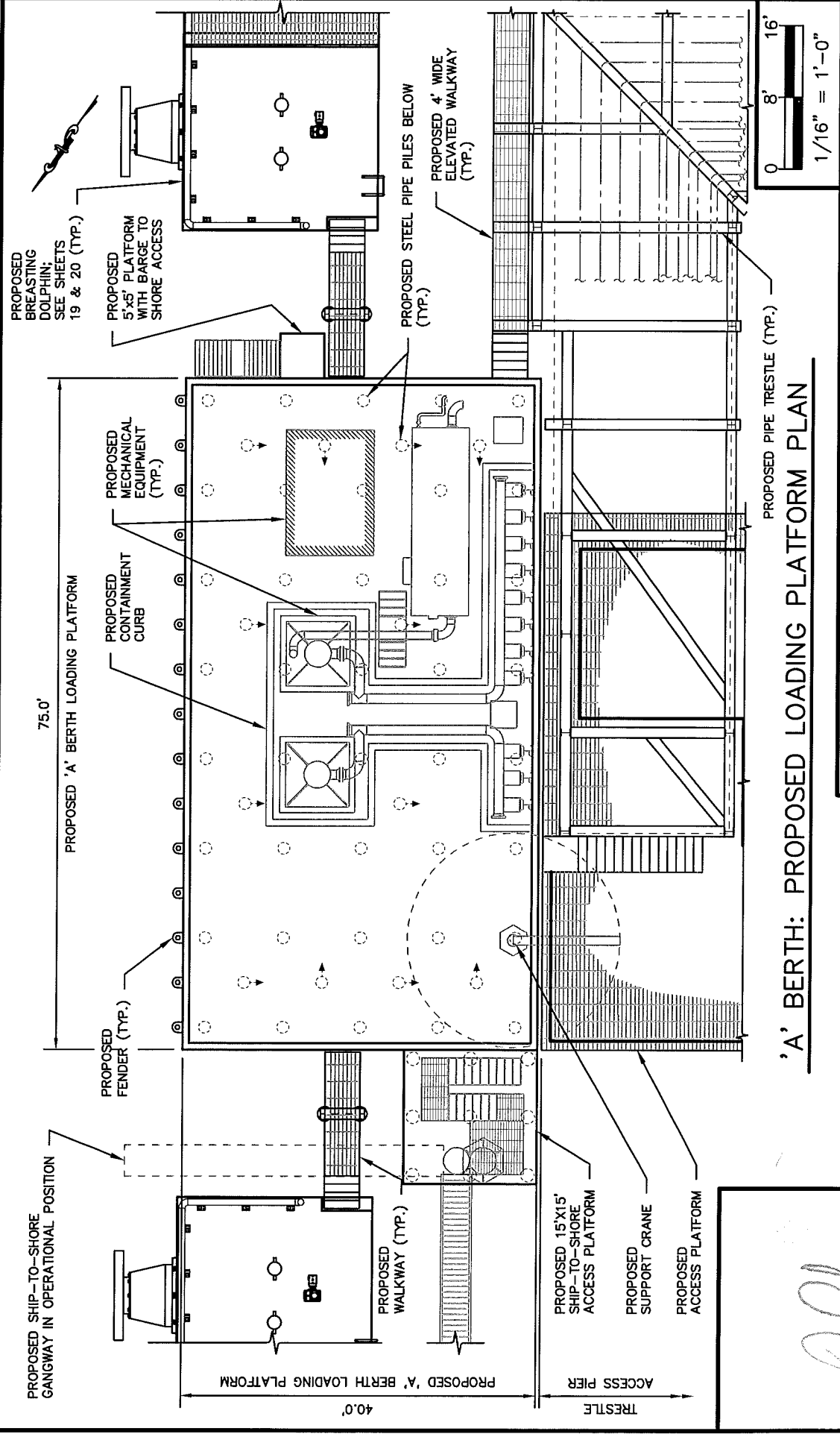
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N.J. LICENSE NUMBER: 24GE05103200

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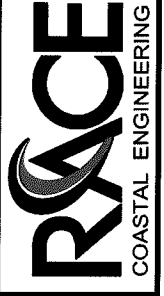
PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

SHEET 20 of 35

NAN-2017-01463-ETY



'A' BERTH: PROPOSED LOADING PLATFORM PLAN

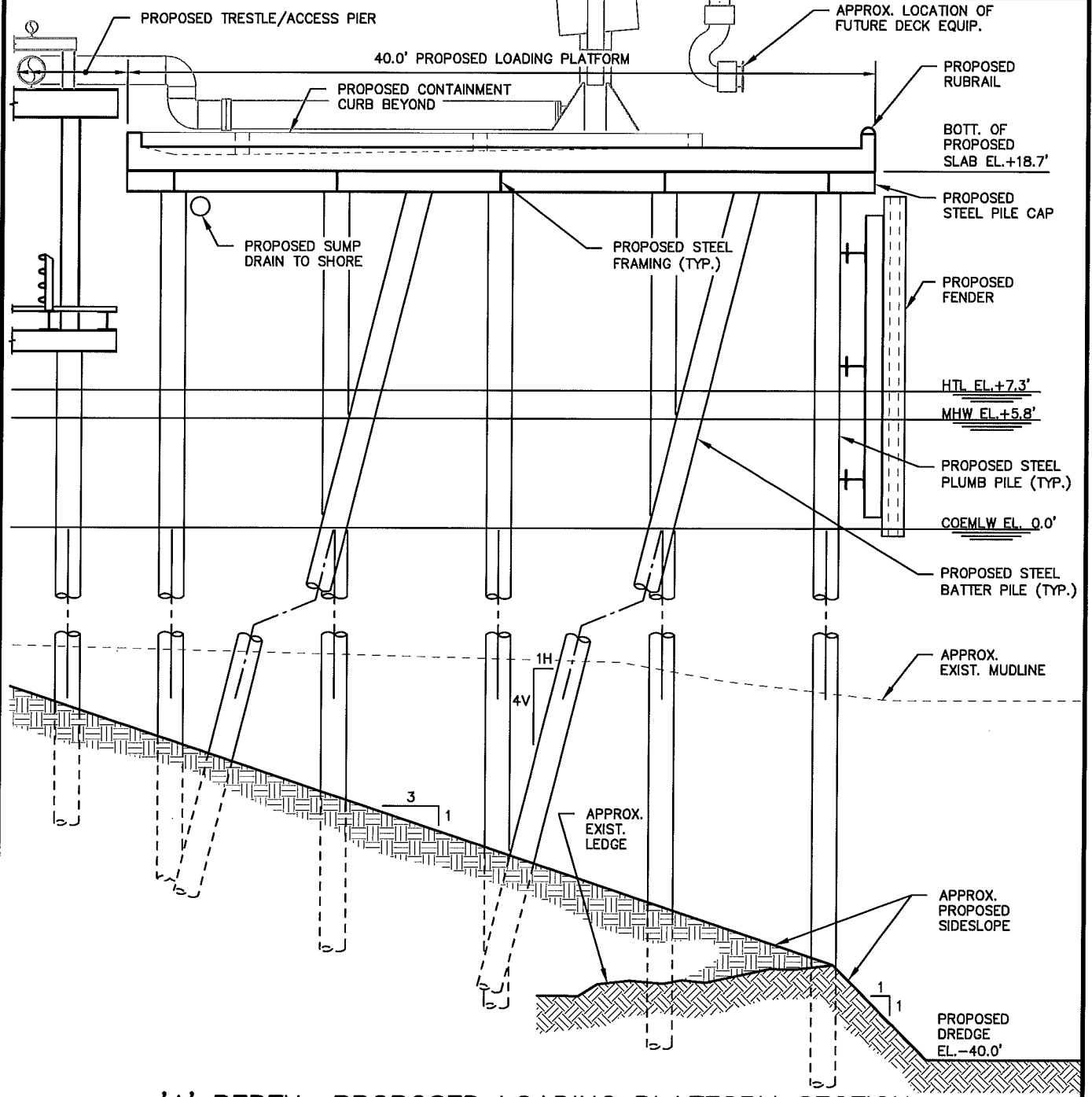


PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065
 DATE: 10-25-2017

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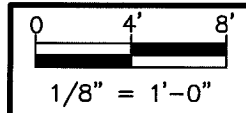
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 DEVIN J. SANTA
 PROFESSIONAL ENGINEER
 N.J. LICENSE NUMBER: 24GE05103200

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'A' BERTH: PROPOSED LOADING PLATFORM SECTION

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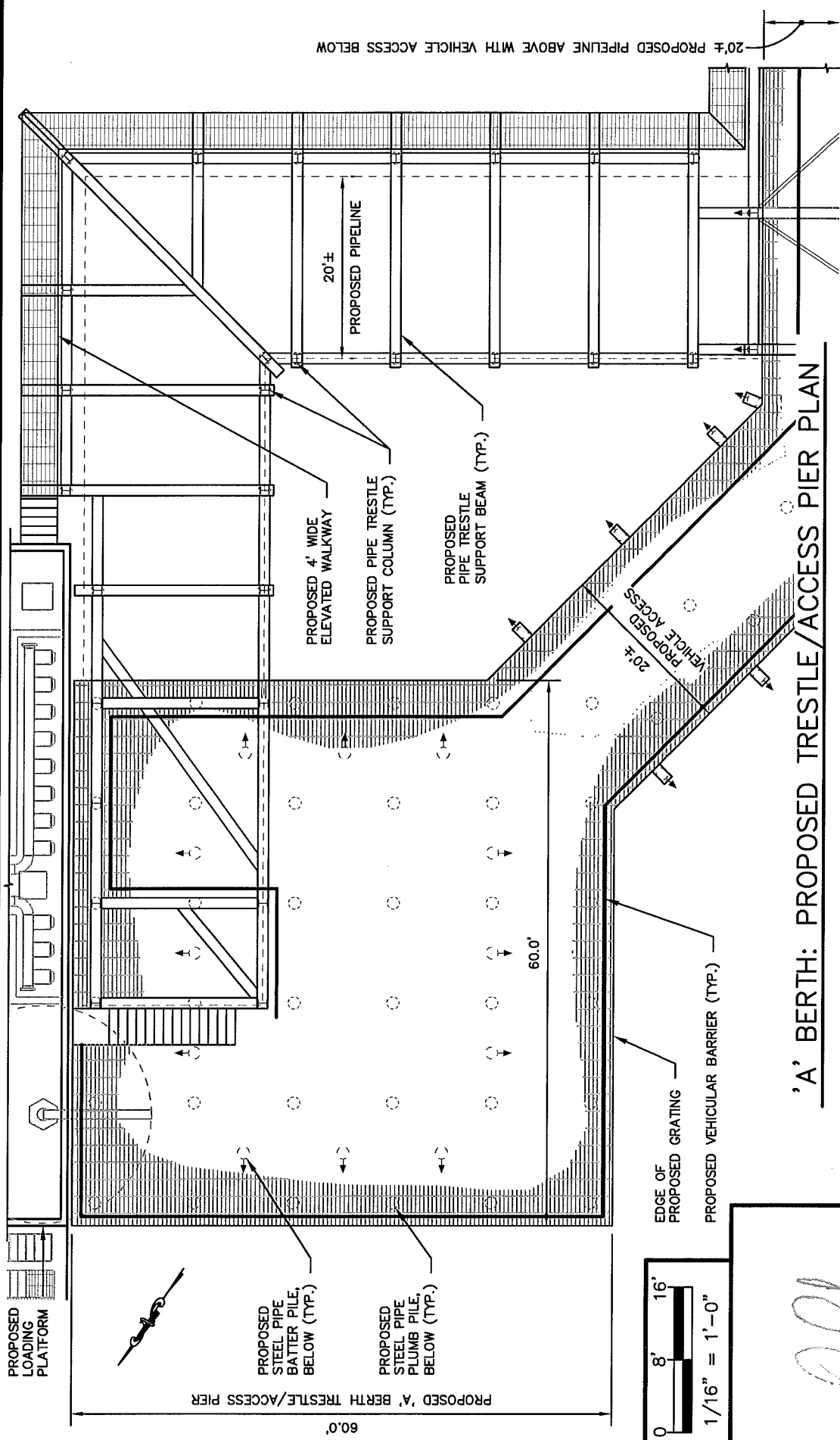
2017

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N.J. LICENSE NUMBER: 24GE05103200

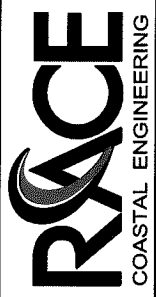


PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065 DATE: 10-25-2017

NAN-2017-01463-ETY



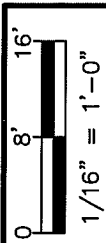
PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065
 DATE: 10-25-2017



NOTE:
 PIPELINES NOT SHOWN FOR CLARITY.

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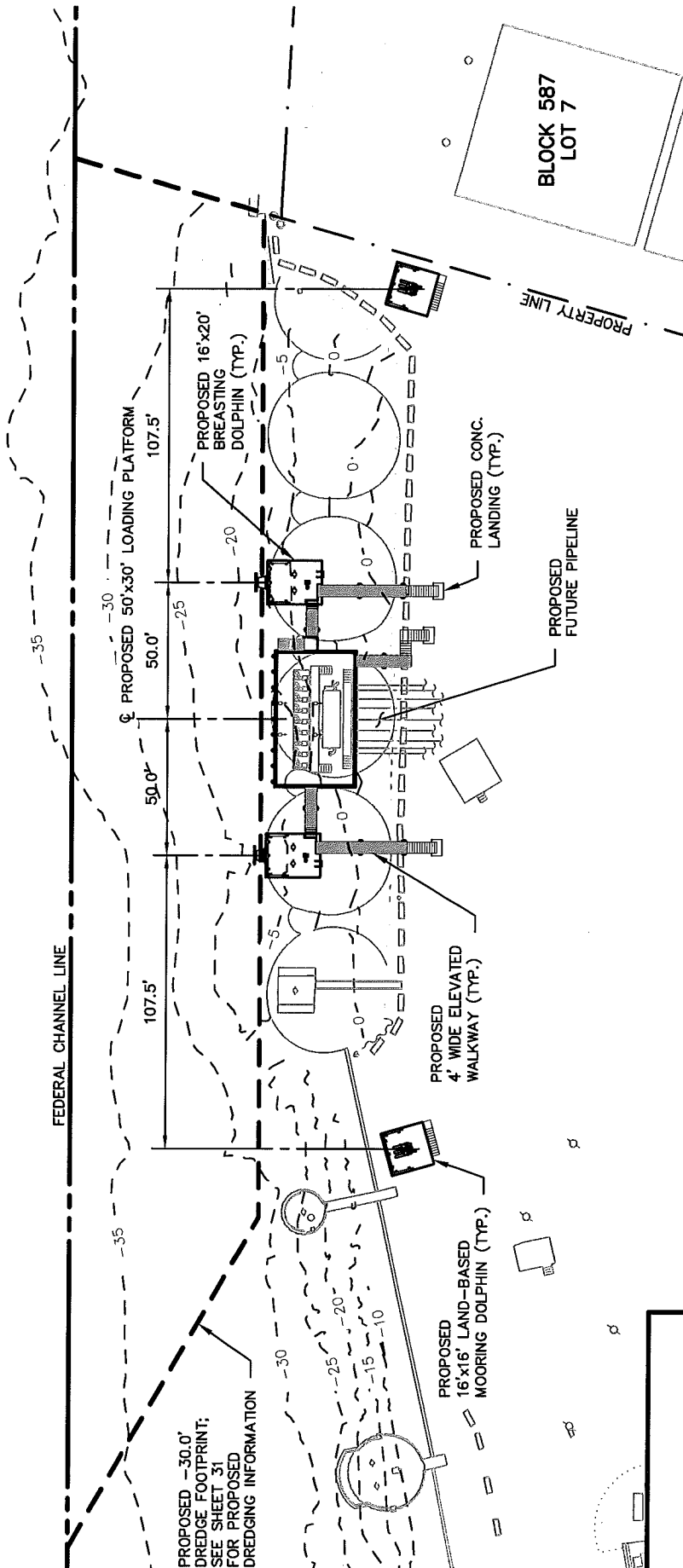
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'A' BERTH: PROPOSED TRESTLE/ACCESS PIER PLAN

NAN-2017-01463-ETY



ARTHUR KILL



PROPOSED -30.0' DREDGE FOOTPRINT; SEE SHEET 31 FOR PROPOSED DREDGING INFORMATION

PROPOSED 16'x16' LAND-BASED MOORING DOLPHIN (TYP.)

PROPOSED 4' WIDE ELEVATED WALKWAY (TYP.)

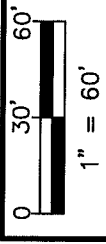
PROPOSED CONC. LANDING (TYP.)

PROPOSED FUTURE PIPELINE

PROPOSED 16'x20' BREASTING DOLPHIN (TYP.)

PROPOSED 50'x30' LOADING PLATFORM

BLOCK 587 LOT 7



'C-D' BERTH: PROPOSED SITE PLAN

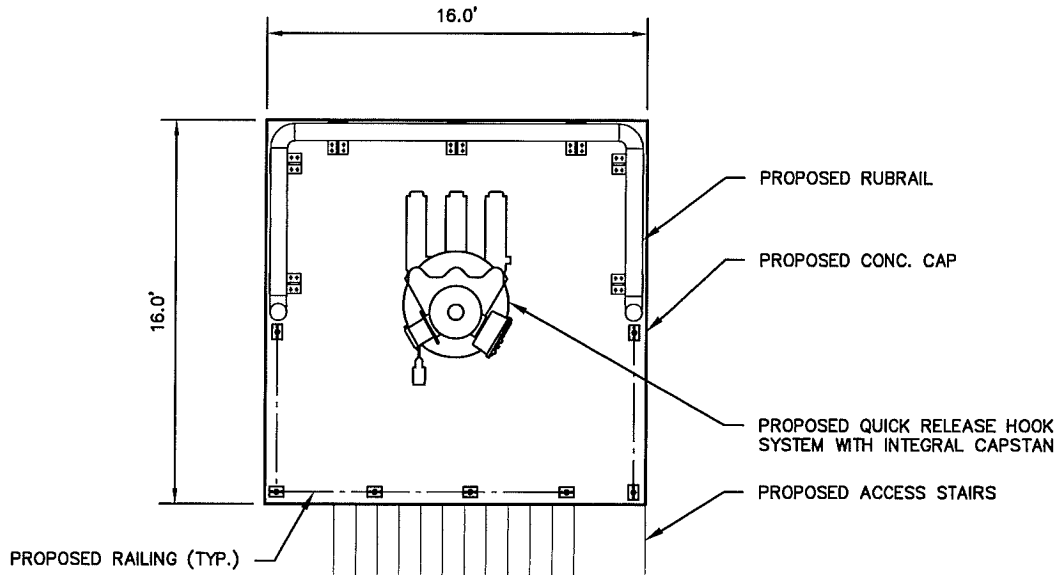


PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

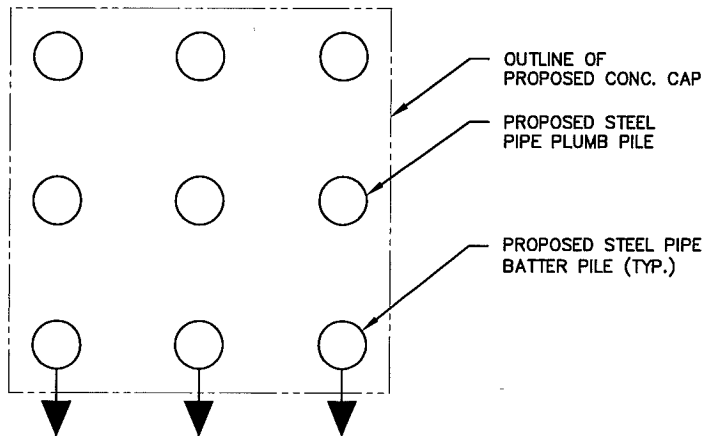
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Signature of Devin J. Santa
DEVIN J. SANTA
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N.J. LICENSE NUMBER: 24GE05103200

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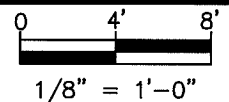
'C-D' BERTH: PROPOSED LAND-BASED MOORING DOLPHIN DECK PLAN



'C-D' BERTH: PROPOSED LAND-BASED MOORING DOLPHIN PILE PLAN

NOTE:
DIMENSIONS AND PILE LOCATIONS TYPICAL FOR
TWO (2) PROPOSED LANDWARD MOORING DOLPHINS.

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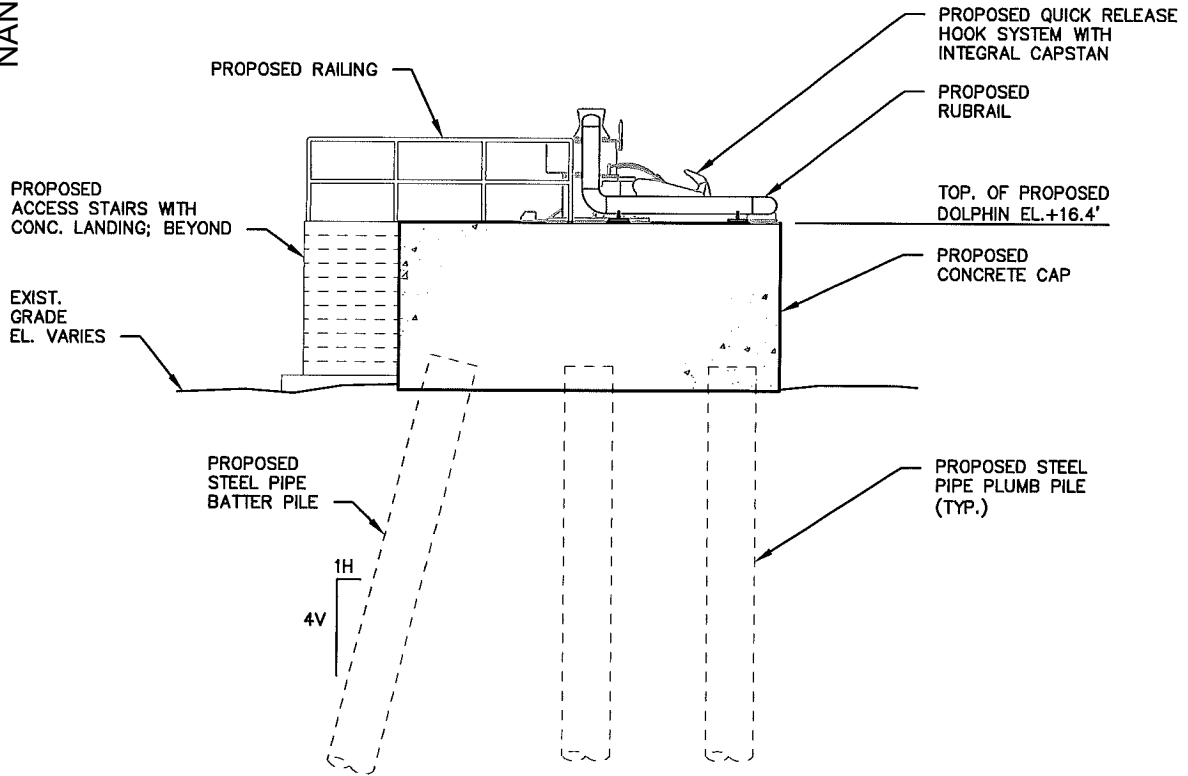
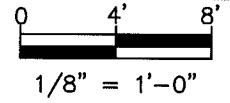
DEVIN J. SANTA
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PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

SHEET 25 of 35

NAN-2017-01463-ETY



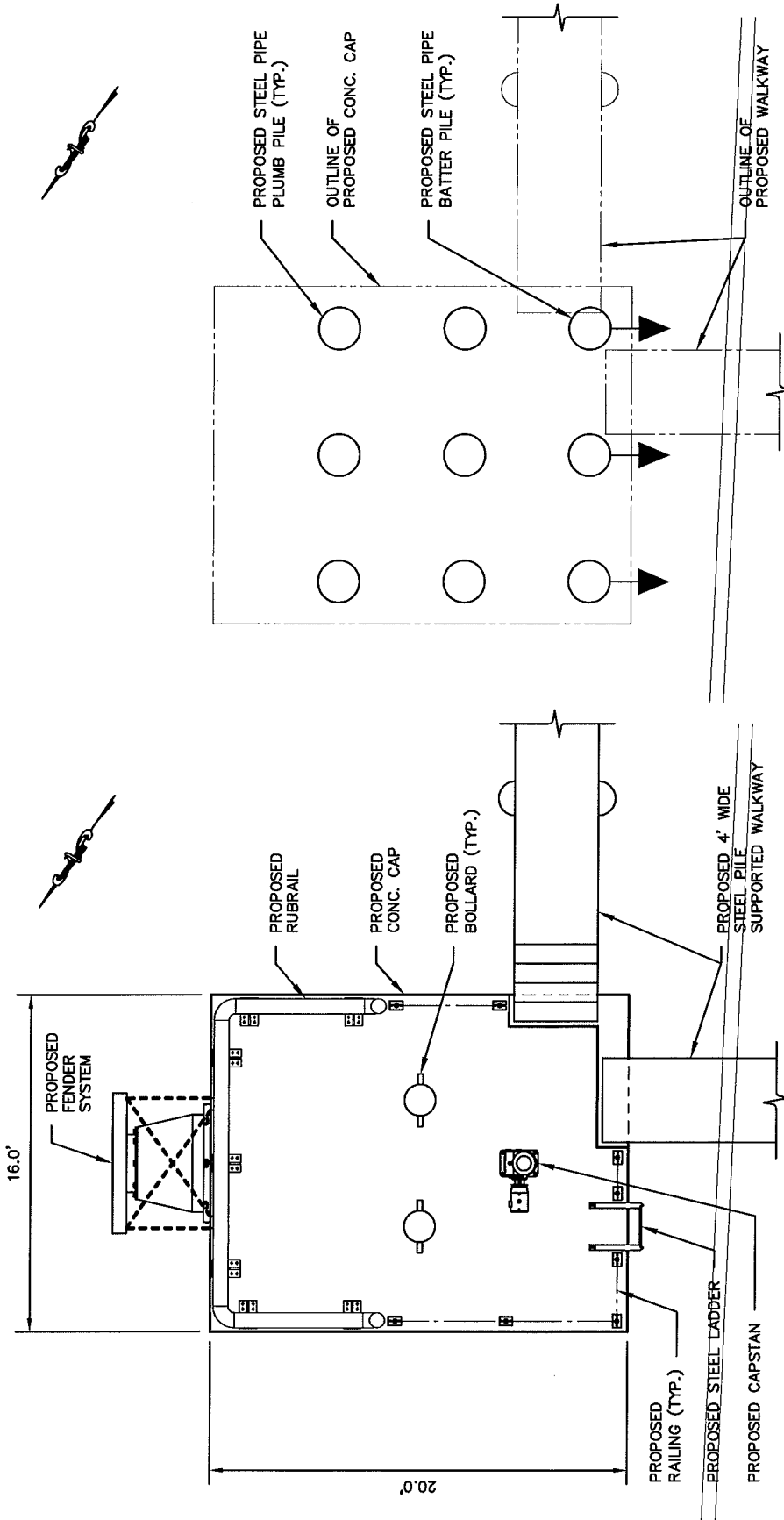
'C-D' BERTH: PROPOSED LAND-BASED MOORING DOLPHIN SECTION

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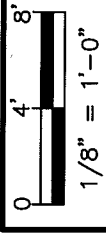
PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017



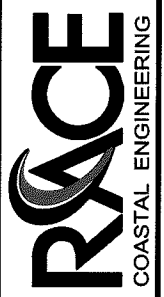
DECK PLAN

PILE PLAN

'C-D' BERTH: PROPOSED BREASTING DOLPHIN



NOTE:
DIMENSIONS AND PILE LOCATIONS TYPICAL FOR TWO (2) PROPOSED BREASTING DOLPHINS. LOCATION OF WALKWAY(S) AND DECK FEATURES VARIES.



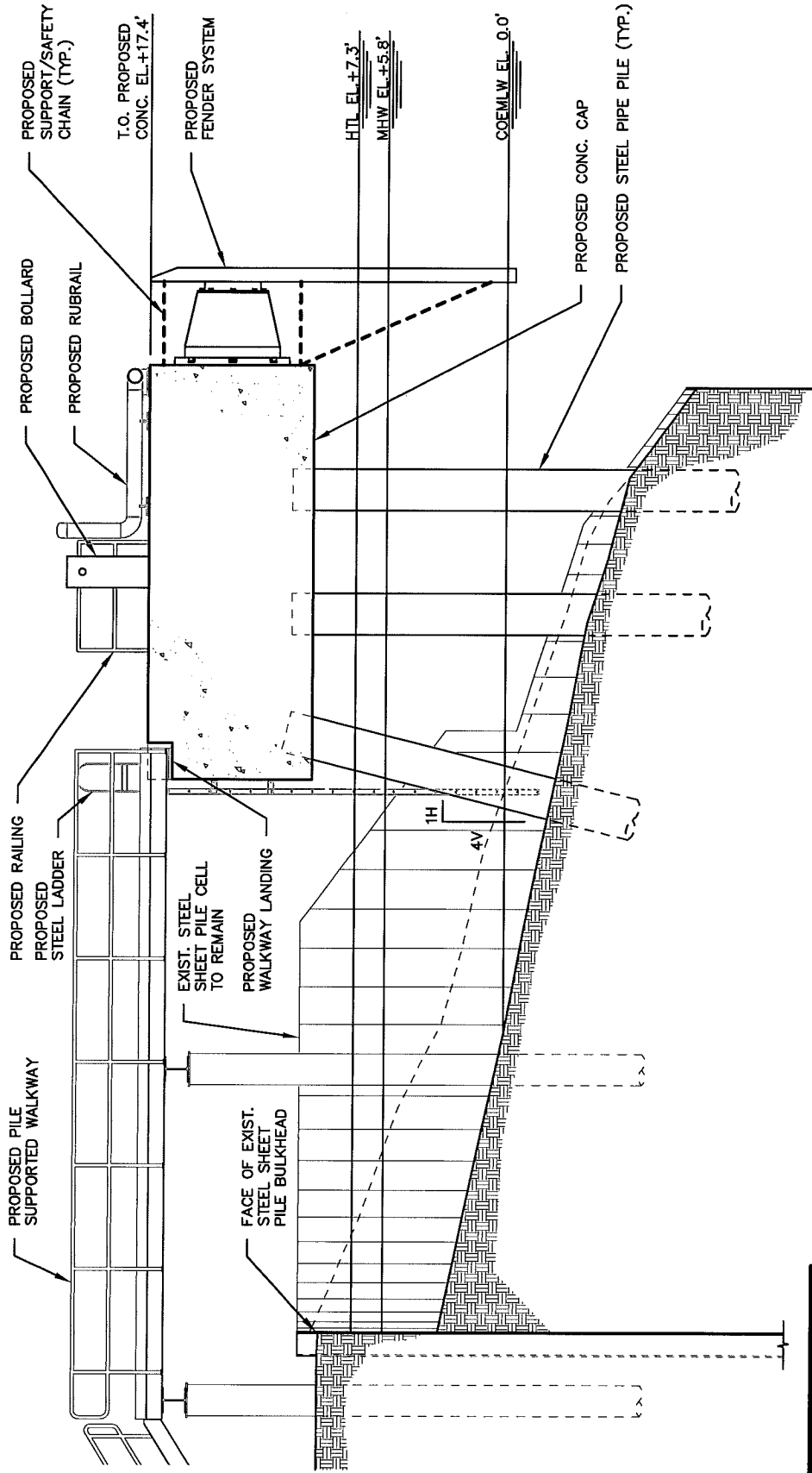
PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065 DATE: 10-25-2017

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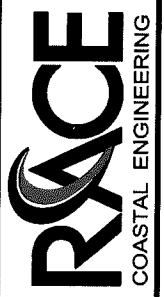
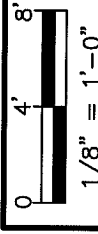
Devin J. Santa

DEVIN J. SANTA
 PROFESSIONAL ENGINEER
 N.J. LICENSE NUMBER: 243E05103200

NAN-2017-01463-ETY



'C-D' BERTH: PROPOSED BREASTING DOLPHIN SECTION



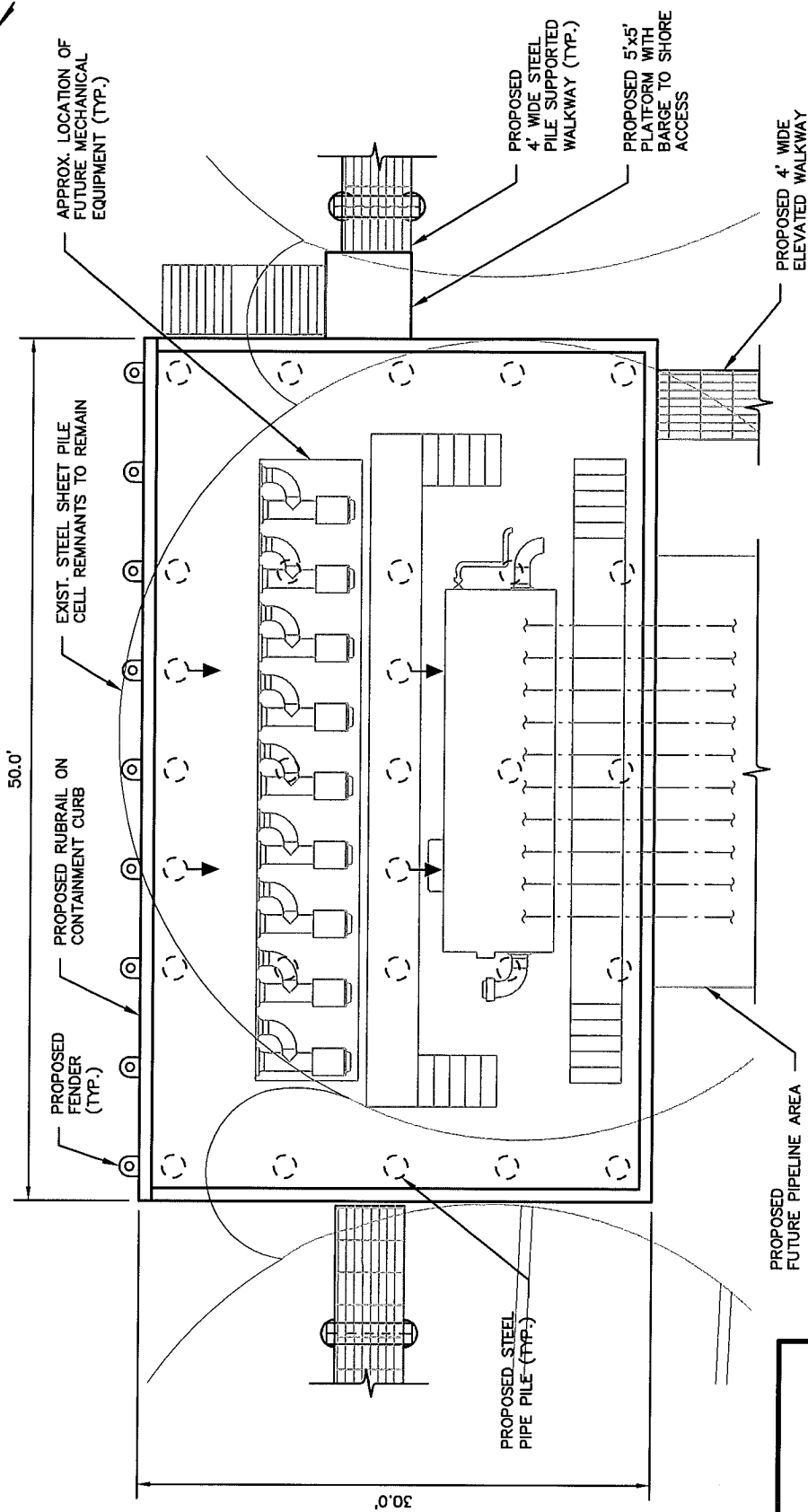
PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065 DATE: 10-25-2017

SHEET 28 of 35

[Signature]
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NAN-2017-01463-ETY



'C-D' BERTH: PROPOSED LOADING PLATFORM PLAN



PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065

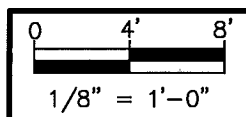
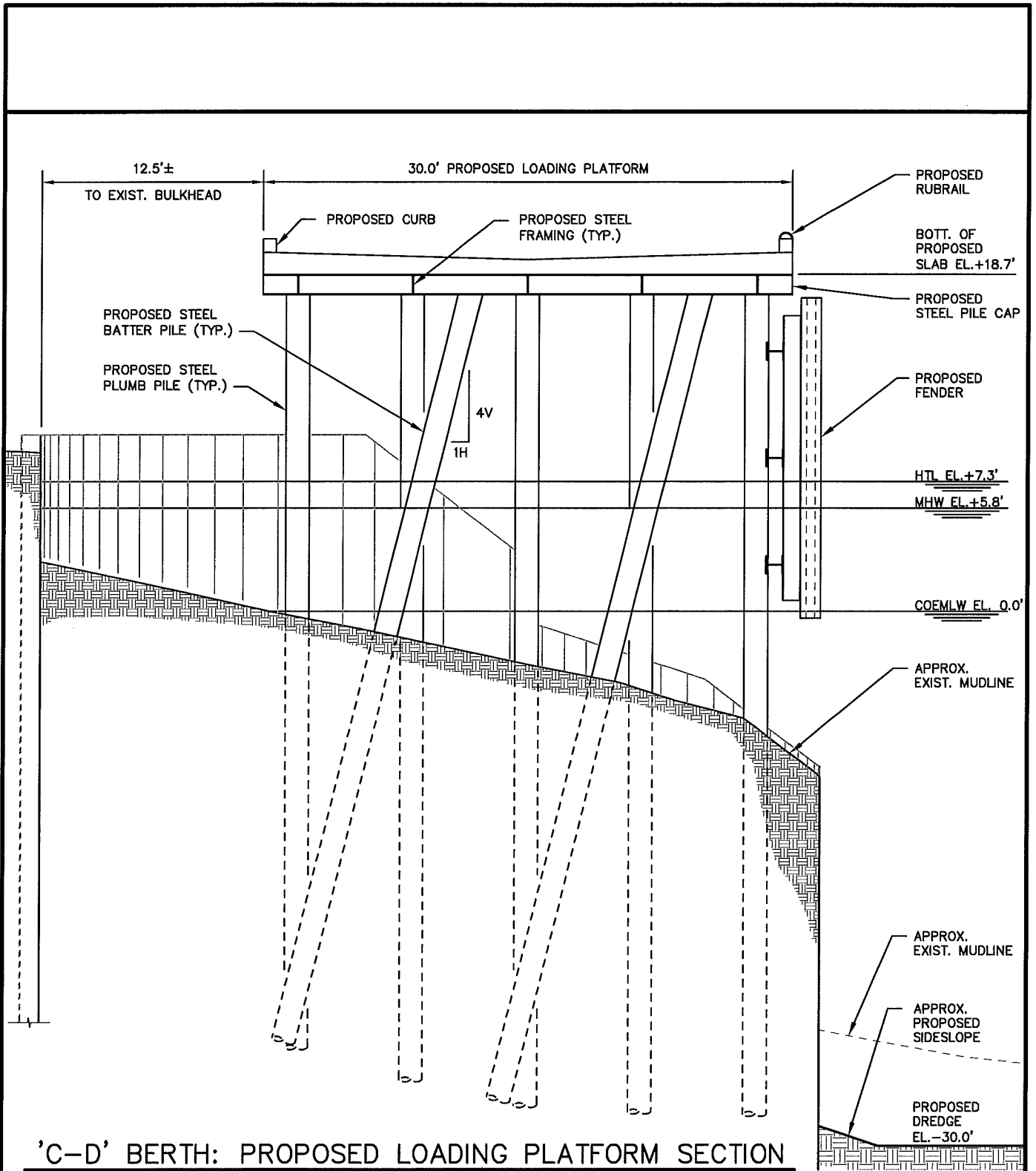
DATE: 10-25-2017

SHEET 29 of 35

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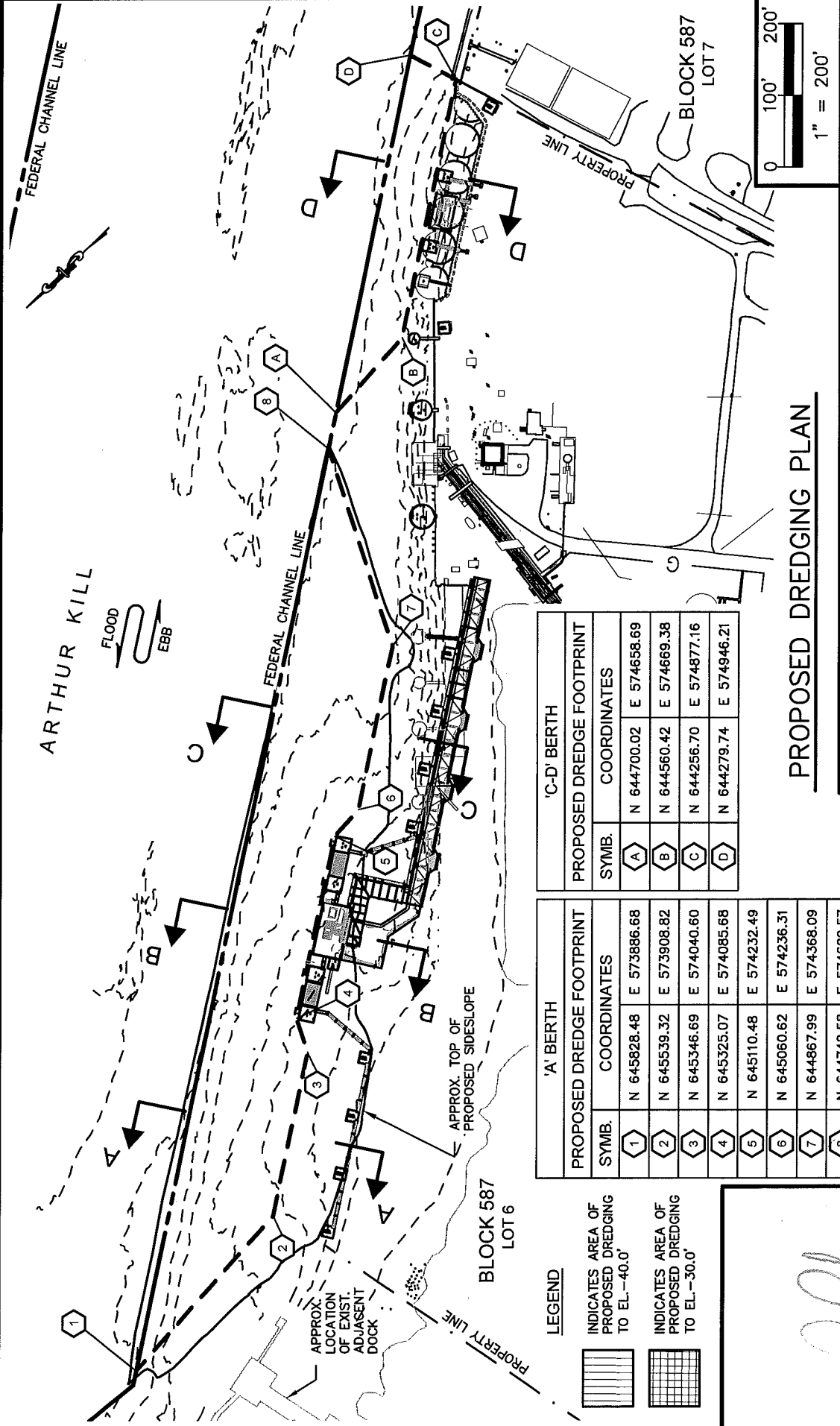
DEVIN J. SANTA
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 N.J. LICENSE NUMBER: 24GE05103200



PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065 DATE: 10-25-2017

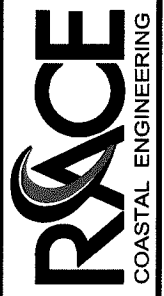
SHEET 30 of 35

NAN-2017-01463-ETY



PROPOSED DREDGING PLAN

PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065 DATE: 10-25-2017



SHEET 31 of 35

'C-D' BERTH		
PROPOSED DREDGE FOOTPRINT	COORDINATES	
SYMB.	N	E
(A)	644700.02	574658.69
(B)	644560.42	574669.38
(C)	644256.70	574877.16
(D)	644279.74	574946.21

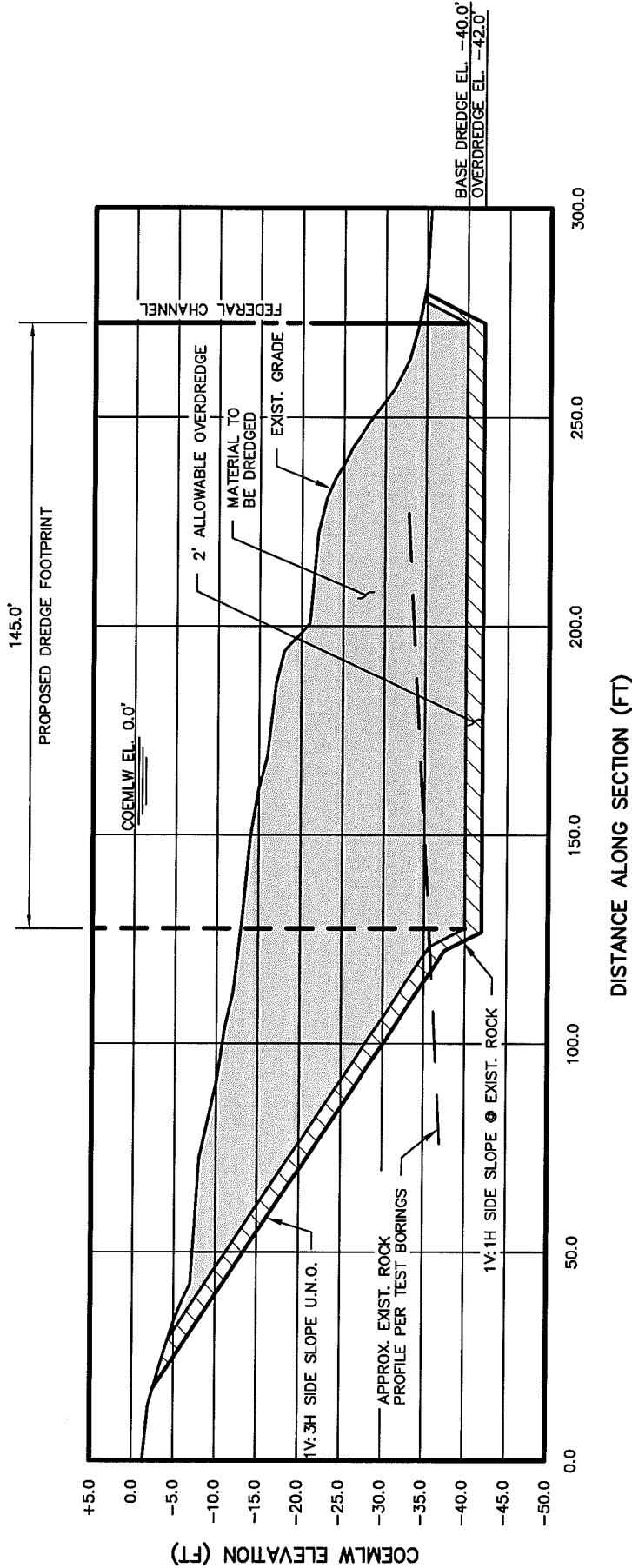
'A' BERTH		
PROPOSED DREDGE FOOTPRINT	COORDINATES	
SYMB.	N	E
(1)	645828.48	573886.68
(2)	645539.32	573908.82
(3)	645346.69	574040.60
(4)	645325.07	574085.68
(5)	645110.48	574232.49
(6)	645060.62	574236.31
(7)	644867.99	574368.09
(8)	644742.58	574629.57

LEGEND

	INDICATES AREA OF PROPOSED DREDGING TO EL. -40.0'
	INDICATES AREA OF PROPOSED DREDGING TO EL. -30.0'

DEVIN J. SANTA
 PROFESSIONAL ENGINEER
 N.J. LICENSE NUMBER: 24GE05103200

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NOTE: PROPOSED STRUCTURES NOT SHOWN FOR CLARITY.

'A' BERTH - PROPOSED DREDGING SECTION A-A



HORIZ. SCALE: 1" = 40'-0"



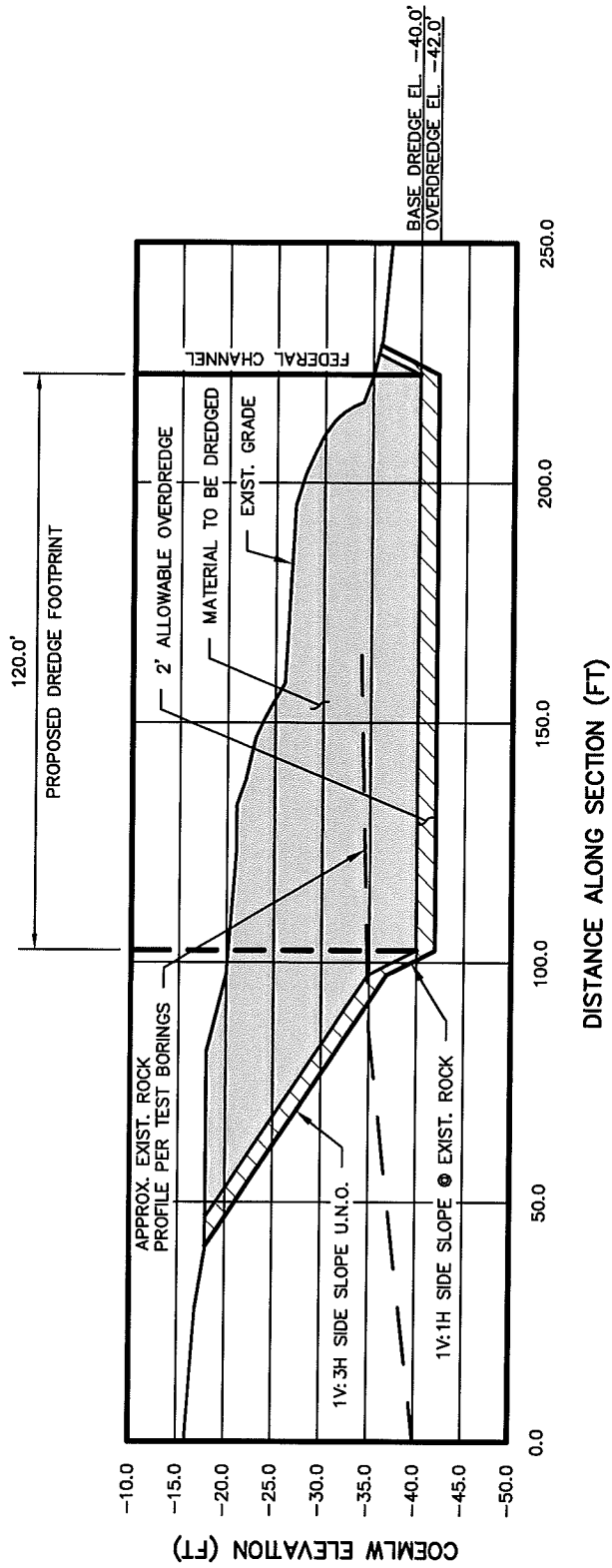
VERT. SCALE: 1" = 20'-0"

[Signature]
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PROPOSED MARINE TERMINAL EXPANSION
 APPLICANT: PHILLIPS 66
 LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
 DATUM: COEMLW
 RACE No.: 2017065
 DATE: 10-25-2017

NAN-2017-01463-ETY



NOTE: PROPOSED STRUCTURES NOT SHOWN FOR CLARITY.

'A' BERTH - PROPOSED DREDGING SECTION B-B

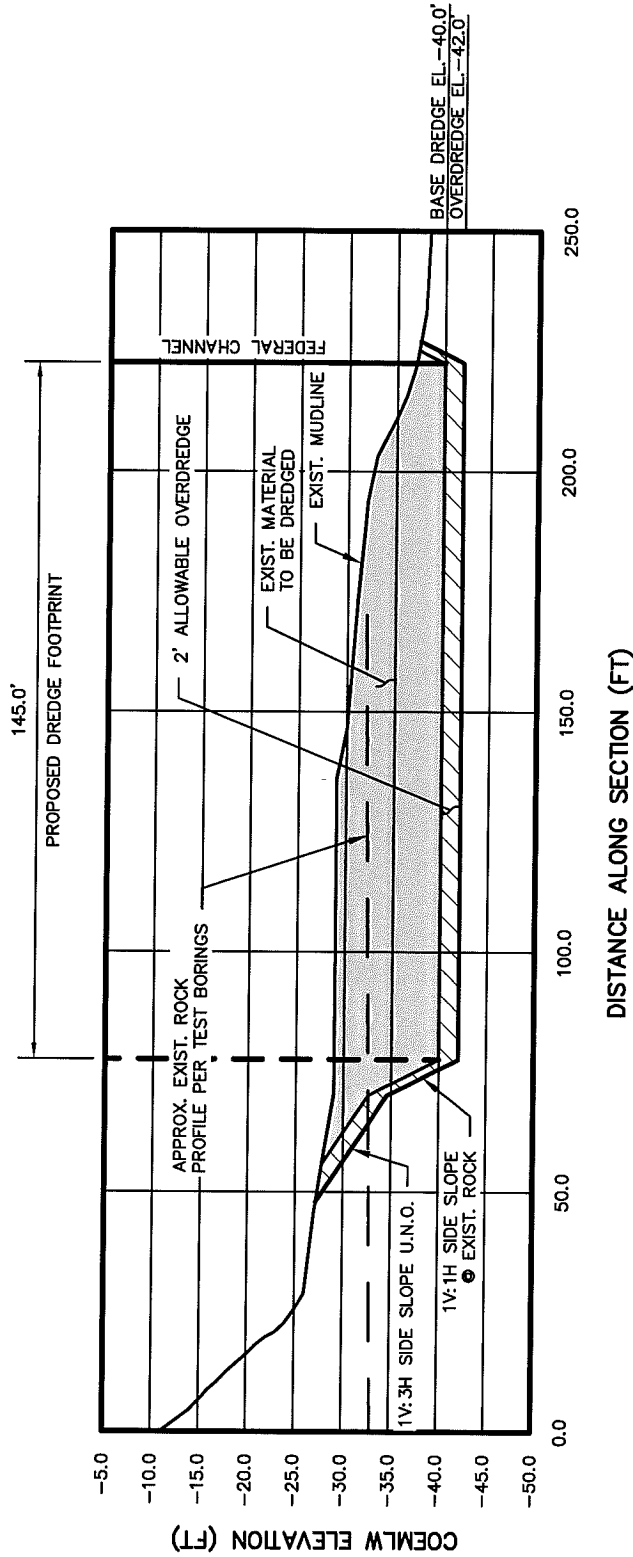


[Signature]
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PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065
DATE: 10-25-2017



NOTE: PROPOSED STRUCTURES NOT SHOWN FOR CLARITY.

'A' BERTH - PROPOSED DREDGING SECTION C-C

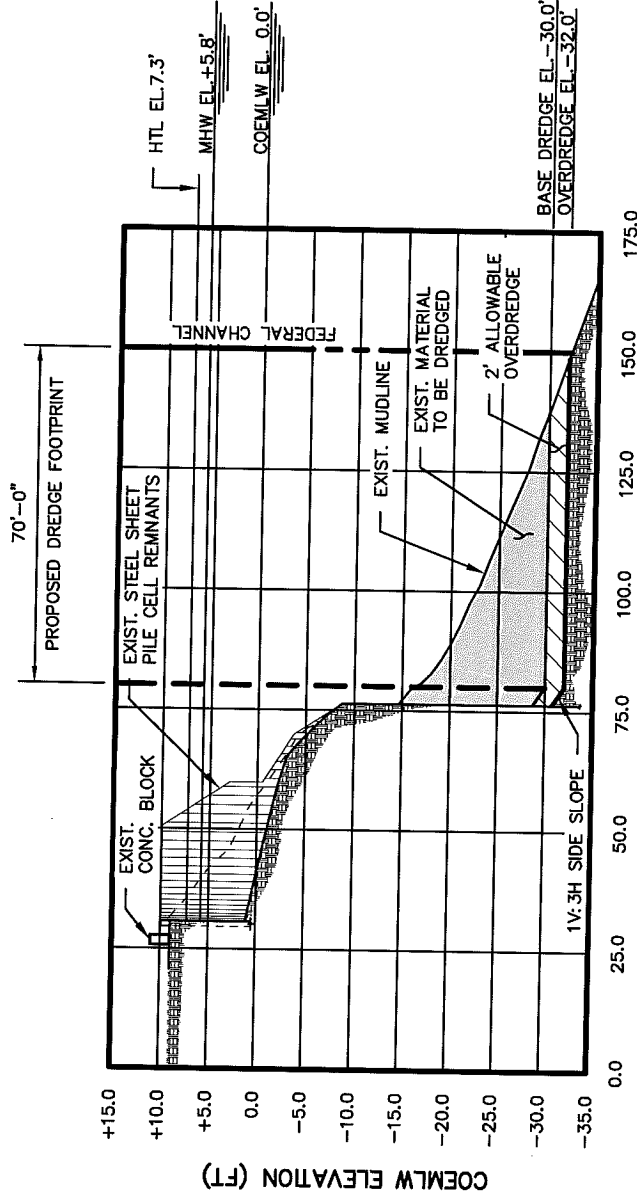


[Handwritten Signature]

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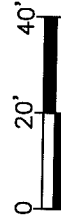
PROPOSED MARINE TERMINAL EXPANSION
APPLICANT: PHILLIPS 66
LOCATION: 4601 TREMLEY POINT ROAD, LINDEN, NJ
DATUM: COEMLW
RACE No.: 2017065
DATE: 10-25-2017



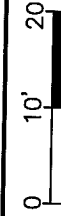
DISTANCE ALONG SECTION (FT)

NOTE: PROPOSED STRUCTURES NOT SHOWN FOR CLARITY.

'C-D' BERTH - PROPOSED DREDGING SECTION D-D

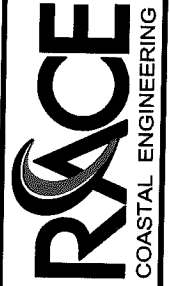


HORIZ. SCALE: 1" = 40'-0"



VERT. SCALE: 1" = 20'-0"

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