# Contract No. NAT-201801/Phillips.Landing State of Delaware Department of Natural Resources and

Environmental Control Division of Fish and Wildlife

ABBREVIATIONS		
ABBR.	DESCRIPTION	
Ac.	ACRE	
C.C.	CENTER TO CENTER	
С	CENTER LINE	
CONC.	CONCRETE	
DEG.	DEGREE	
DIA.	DIAMETER	
ELEV.	ELEVATION	
EX.	EXISTING	
Ft.	FOOT	
GA.	GAUGE	
HP	HIGH POINT	
ln.	INCH	
Lb.	POUND	
MAX.	MAXIMUM	
M.H.W	MEAN HIGH WATER	
MIN.	MINIMUM	
M.L.W.	MEAN LOW WATER	
N/A	NOT APPLICABLE	
N.I.C	NOT IN CONTRACT	
N.T.S.	NOT TO SCALE	
O.C.	ON CENTER	
o.c.e.w.	ON CENTER EACH WAY	
PSI	POUND PER SQUARE INCH	
RCP	REINFORCED CONCRETE PIPE	
SF	SQUARE FEET	
S.S.	STAINLESS STEEL	
ABBR.	STATION	
STD.	STANDARD	
TYP.	TYPICAL	

LEGEND				
ITEM	EXISTING	PROPOSED		
INDIVIDUAL TREES - EVERGREEN INDIVIDUAL TREES - DECIDUOUS	The state of the s	N/A N/A		
IMPERVIOUS SURFACES				
BITUMINOUS		N/A		
CONCRETE		4		
MOBI-MAT	N/A			
MILL & OVERLAY	N/A			
DRAINAGE DITCH OR SWALE		N/A		
STONE SCOUR	N/A			
FENCE - WOOD	-000	N/A		
CONTOUR	8	8		
ELEVATION SPOT SHOT	× 4.00	49x20		
BENCH MARK		N/A		
TRAVERSE POINT		N/A		
PROPERTY OR RIGHT-OF-WAY LINE		N/A		
TEST PILE	N/A	<b>♦</b> TP #1		
TIMBER BOLLARD	0	0		
STEEL BOLLARD	0	$\odot$		
LIMIT OF DISTURBANCE	N/A	LOD LOD		
PUMPING PIT - TYPE 1	N/A	PP-1)		
GEOTEXTILE DEWATERING BAG	N/A	GB		
BORING	<b>•</b>	N/A		
SIGN				

SITE Broad  BROAD CHERRY WALK  WHITE RIVER ESTS	SJAI
Wildlife  Area  Prickley  Pear Island  Prickley  Pear Island  Prickley  RIVER  ESTS  LANDI	OWLES HODTER OWLES I CT MILLCR CO RD PORTSVILLI
Nanticoke Wildlife Area  Nanticoke Wildlife Area	AREA QUENT LA SOLORY
COUNTY OLD SHARPTOWN ROAD BY SHARPTOWN ROAD ROAD ROAD ROAD ROAD ROAD ROAD ROAD	NORTH TOWNED END II  NORTH TOW
CLOCATION AND ASSESSION OF THE PROPERTY OF THE	THESTIE THE THE THE THE THE THE THE THE THE TH
LOCATION MAP	Copyright ADC The Map People Permitted Use No. 12312014

#### SHEET INDEX

- C-1 Cover Sheet
- C-2 Existing Conditions
- C-3 Site Plan

SCALE : 1" = 2500'

- C-4 Boat Ramp Site Plan & Details
- C-5 Boat Ramp DetailsC-6 Site Details

# Andrews, Miller & Associates



ARCHITECTS ENGINEERS SURVEYORS

EASTON, MARYLAND (410) 770-4744
SALISBURY, MARYLAND (410) 543-9091
MILFORD, DELAWARE (302) 424-1441

First Edition Map 28, Grid A10

A.M.A. JOB NO. 1945A006 JULY 2018

#### GENERAL NOTES

- 1. MEAN TIDAL RANGE IS 2.5'.
- 2. VERTICAL DATUM IS MLW, BASED ON EXISTING TIDE GAUGE, ELEV. 5.0 FEET
- 3. TOPOGRAPHIC AND BATHYMETRIC DATA SHOWN WAS TAKEN ON MARCH 15, 2013 & JANUARY 31, 2017 BY DAVIS, BOWEN & FRIEDEL. INC.
- 4. ACCORDING TO THE FLOOD INSURANCE RATE MAP (FIRM), MAP #10005C0400J, PANEL 0400, THE SITE IS LOCATED IN ZONE "AE" (100 YEAR FLOOD ELEVATION 5") NAVD 88 DATUM. THE ENTIRE PROPERTY IS WITHIN THE 100 YEAR FLOOD PLAIN.
- 5. THE CONTRACTOR SHALL CALL "MISS UTILITY" (1-800-282-8555) A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION, BORING, PILE DRIVING AND/OR DIGGING FOR THE LOCATION OF UNDERGROUND UTILITY LINES.
- 6. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- 7. THE CONTRACTOR SHALL PROVIDE ENERGY STAR APPLIANCES, EQUIPMENT, SYSTEMS, ETC. TO THE MAXIMUM EXTENT POSSIBLE ACCORDING TO DELAWARE CODE, TITLE 29, CHAPTER 69, SECTION 6939
- 8. LIMIT OF DISTURBANCE = 4,940 SF
  LAND DISTURBANCE ABOVE MEAN HIGH WATER (MHW) IS BELOW 5,000 SF THEREFORE STORMWATER
  MANAGEMENT AND EROSION SEDIMENT CONTROL REVIEW IS NOT REQUIRED.

DATE

- 9. THERE SHALL BE NO WATER WORK FROM AUGUST 15 TO NOVEMBER 1 OR MARCH 15 TO JUNE 1 OF ANY YEAR.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION IN ACCORDANCE WITH ALL STATE AND FEDERAL PERMITS.

#### CERTIFICATION OF OWNERSHIP

I, JOHN CLARK, HEREBY CERTIFY THAT THE STATE OF DELAWARE IS THE OWNER OF THE PROPERTY WHICH IS SUBJECT OF THIS PLAN AND THAT THE LAND USE ACTION PROPOSED BY THIS PLAN IS MADE AT MY DIRECTION.

JOHN CLARK
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL
DIVISION OF FISH & WILDLIFE

## OWNER'S CERTIFICATION

#### I. THE UNDERSIGNED. CERTIFY THAT:

- 1. THE PERPETUAL MAINTENANCE OF THE PERMANENT STORMWATER MANAGEMENT FACILITIES, INCLUDING THE CONSTRUCTED WETLANDS AND PAVERS, SHALL BE THE RESPONSIBILITY OF THE OWNER.
- 2. ALL LAND CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THE APPROVED PLAN, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE LAND DISTURBING ACTIVITIES WILL HAVE A SEDIMENT AND STORMWATER MANAGEMENT CERTIFICATION FROM THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL, AND
- AUTHORIZE THE RIGHT OF ENTRY FOR ON-SITE INSPECTIONS BY STATE OF DELAWARE, DEPARTMENT OF NATURAL RESOURCE AND ENVIRONMENTAL CONTROL COMPLIANCE PERSONNEL AND/OR AUTHORIZED AGENTS.

MR. JOHN CLARK
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DIVISION OF FISH AND WILDLIFE
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

#### CERTIFICATION OF PLAN ACCURACY

I, JASON P. LOAR, P.E., HEREBY CERTIFY THAT I AM A PROFESSIONAL ENGINEER WITH

A BACKGROUND IN CIVIL ENGINEERING IN THE STATE OF DELAWARE, AND THAT THE PLAN

A BACKGROUND IN CIVIL ENGINEERING IN THE STATE OF DELAWARE, AND THAT THE PLAN

CENSE BY ACCEPTED SURVEYING STANDARDS AND PRACTICES.

OELAWA TASON P. LOAR, P.E. #14959

7-6.18 DATE

#### DESIGNER CERTIFICATION

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK AND THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

SIGNATURE JASON P. LOAR

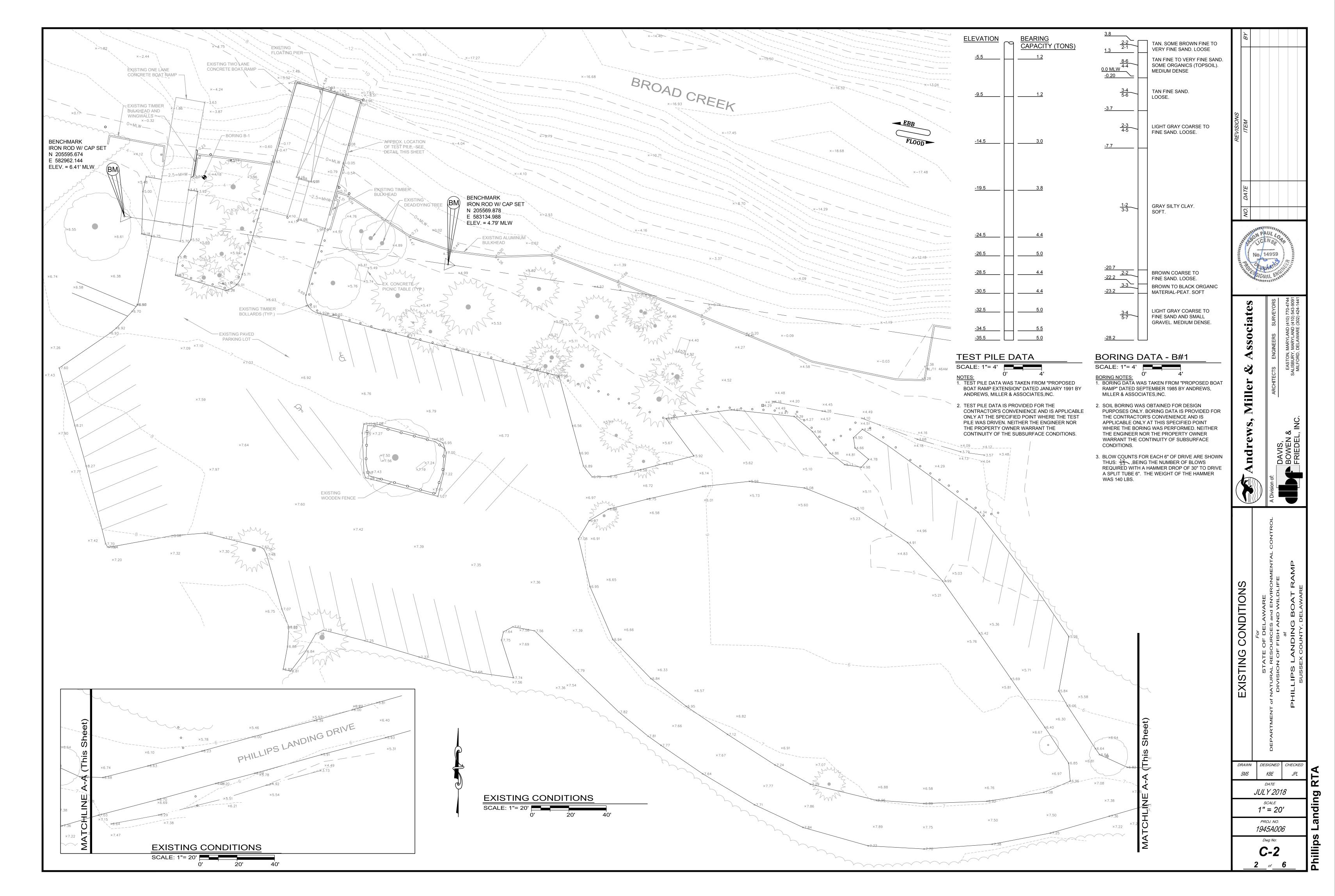
7-6 DATE

1-6-18

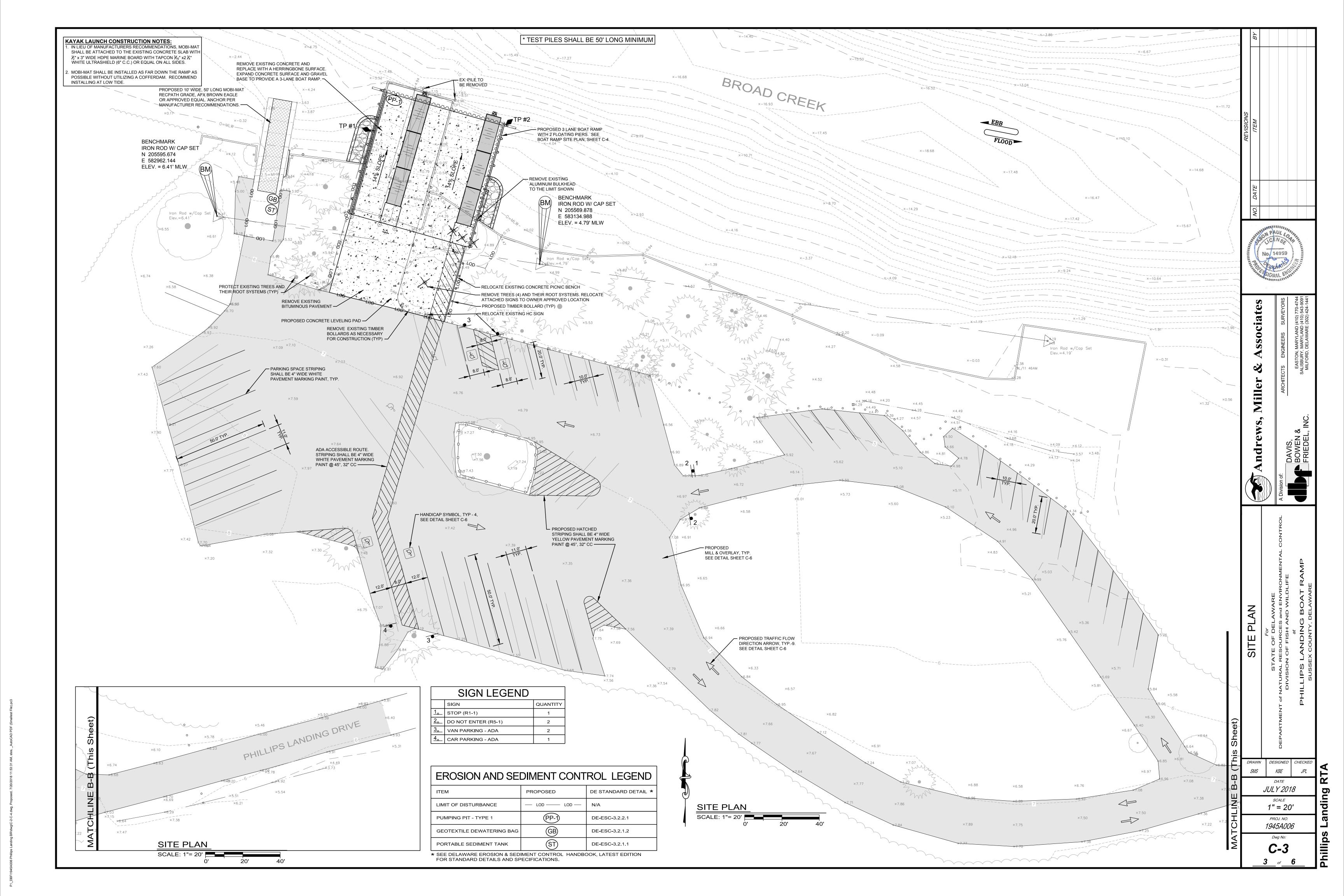
14959 DELAWARE REG. NO.

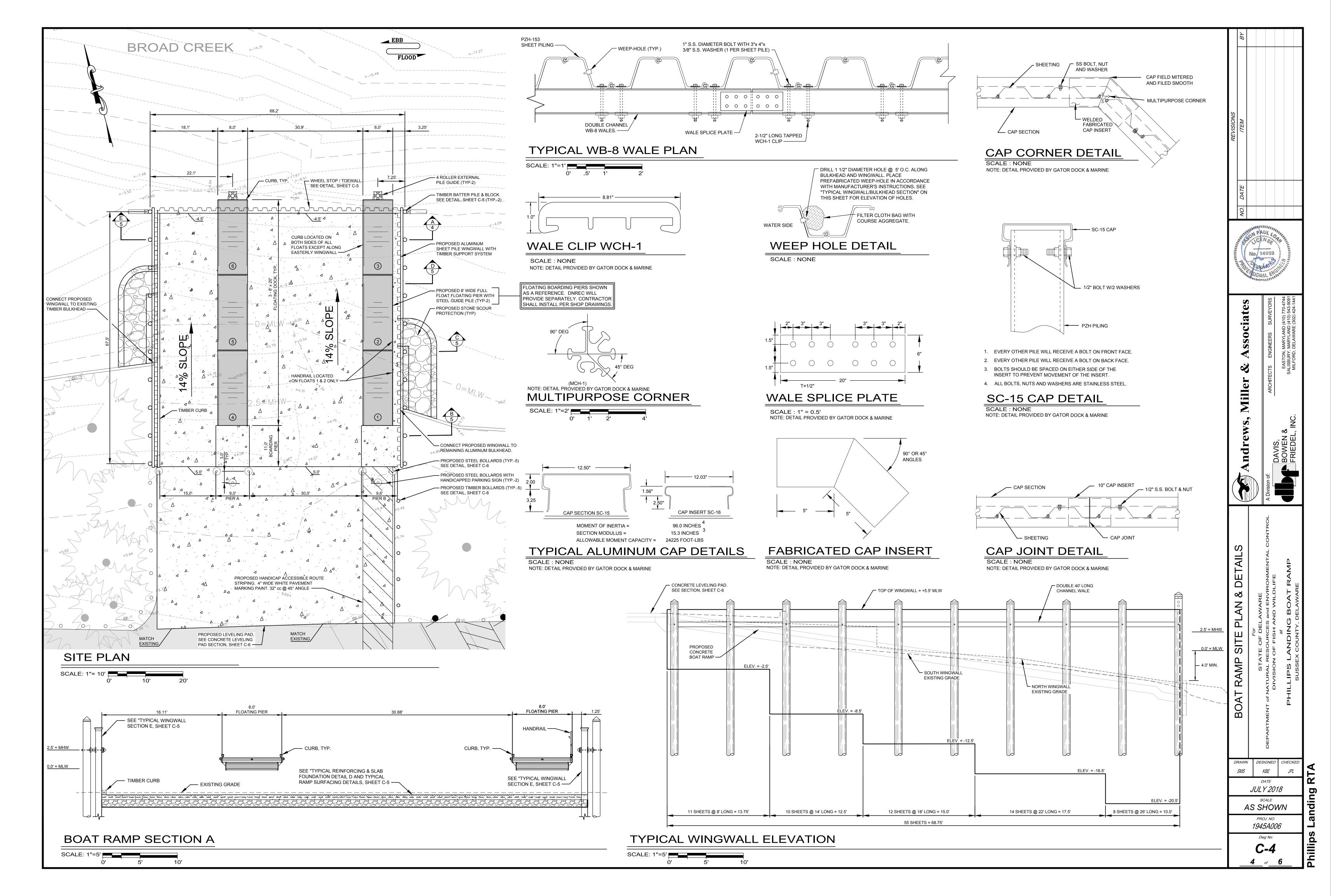
SHEET **C-1** 

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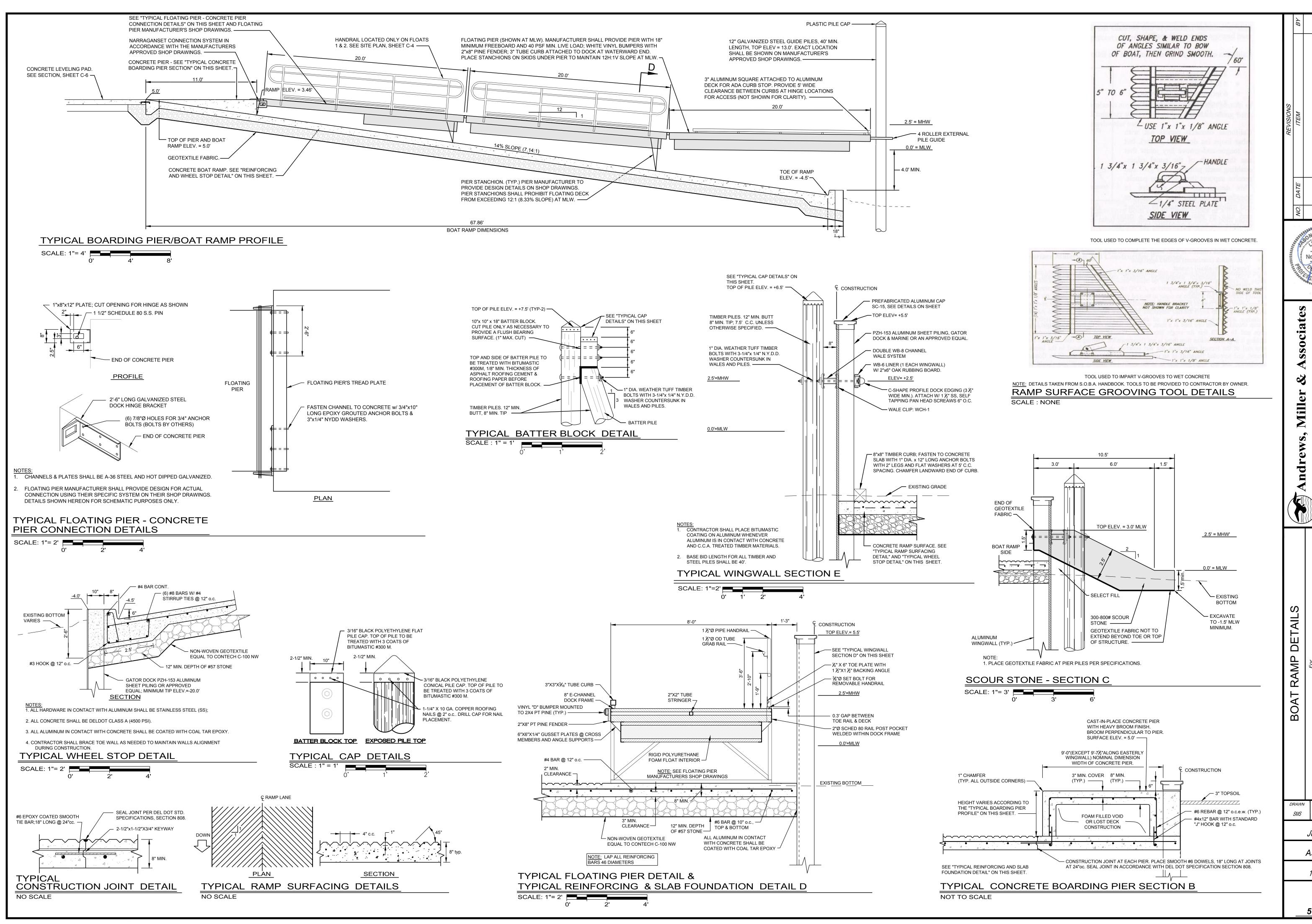


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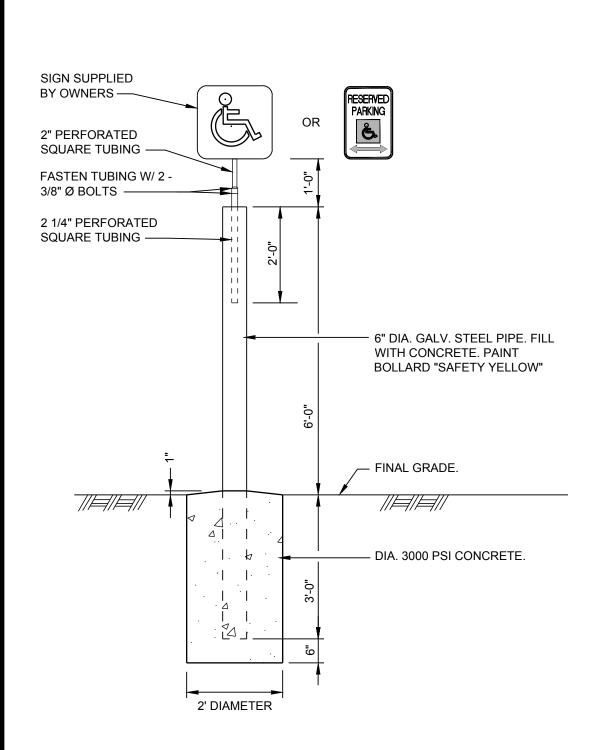




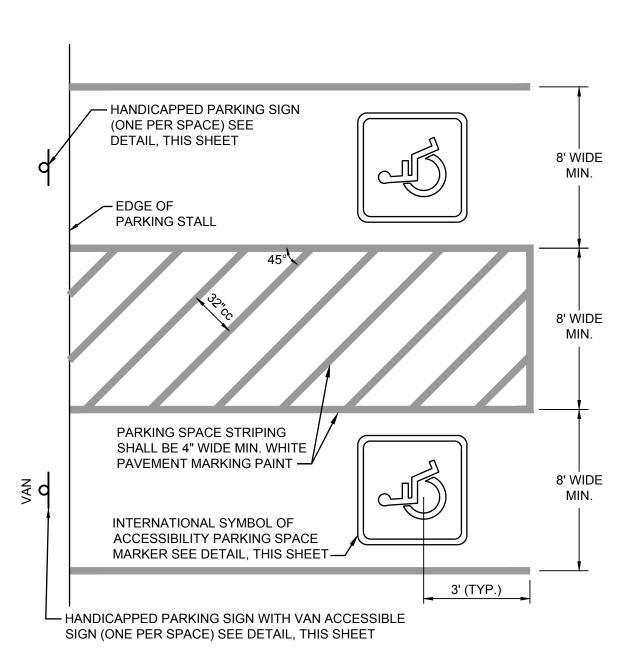
DESIGNED CHECKE KBE DATE JULY 2018 SCALE As Shown

PROJ. NO. *1945A006* 

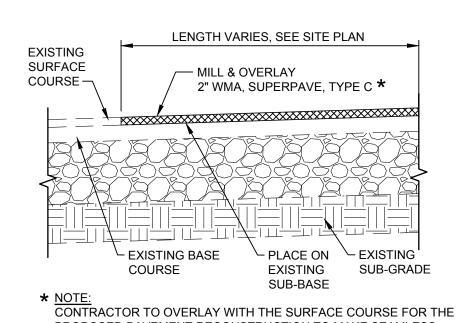
Dwg No:



### TYPICAL STEEL BOLLARD W/ SIGN DETAIL

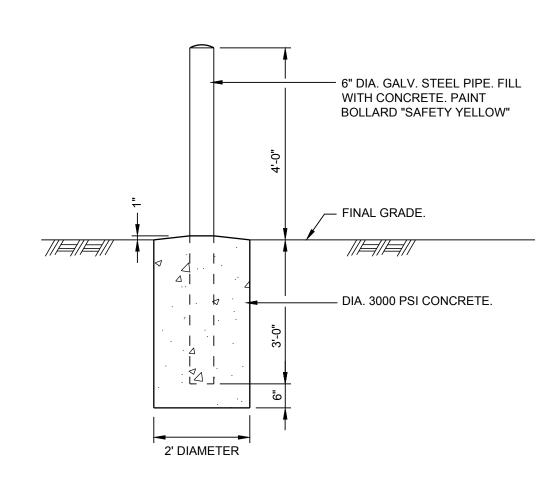


TYPICAL HANDICAPPED CAR PARKING STALL PLAN SCALE: NONE

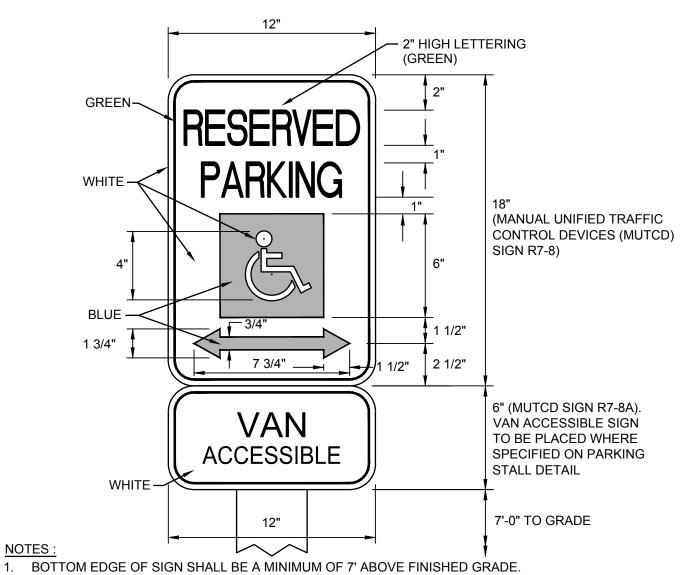


#### **MILL AND OVERLAY DETAIL**

SCALE : NONE

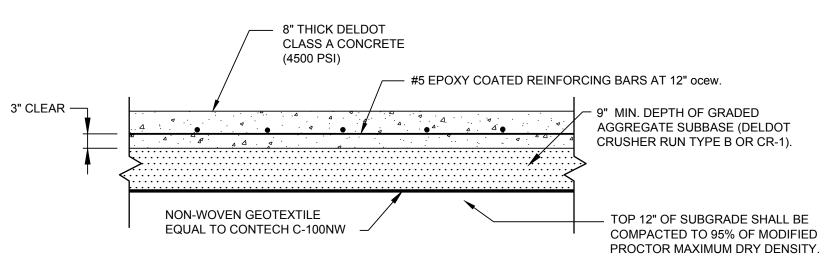


TYPICAL STEEL BOLLARD DETAIL



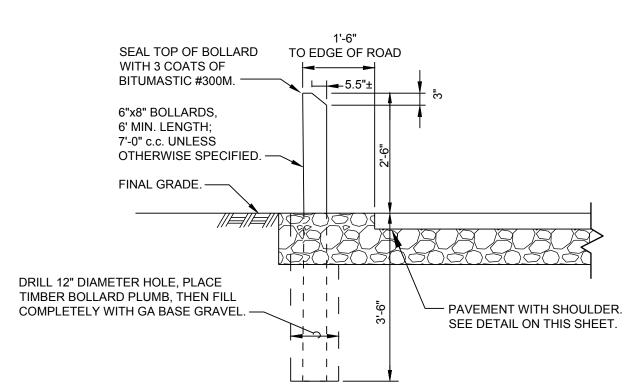
- CONTRACTOR SHALL INSTALL ONE SIGN PER HANDICAP PARKING SPACE. SIGNS ARE TO BE CENTERED ON STALL WIDTH, FACING PARKING.
- 4. ALL SIGNS SHALL HAVE A WHITE BACKGROUND WITH GREEN LETTERING IN ACCORDANCE WITH THE MUTCD AND DELDOT STANDARDS, LATEST EDITION THEREOF.

HANDICAPPED PARKING SIGN DETAIL SCALE : NONE

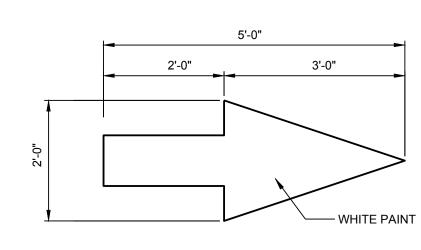


#### CONCRETE LEVELING PAD SECTION

NO SCALE



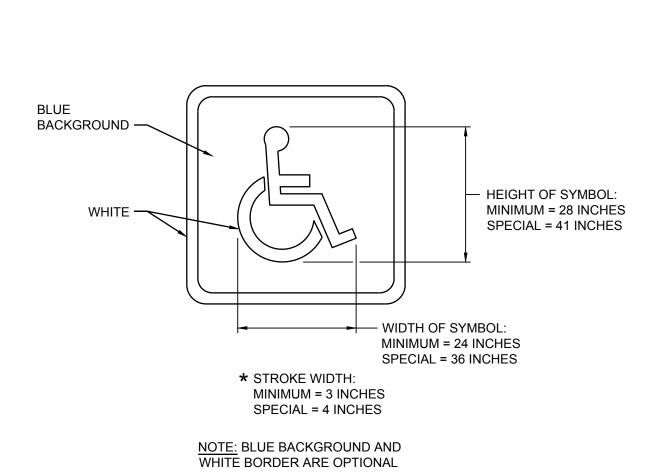
TYPICAL TIMBER BOLLARD DETAIL



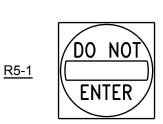
NOTE: DIMENSIONS MAY VARY.

SCALE: NONE

# TRAFFIC FLOW DIRECTION ARROW



INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING SCALE : NONE



24"x24" RED WITH REFLECTORIZED WHITE LEGEND & BACKGROUND



SCALE : NONE

R1-1: 30"x 30" OCTAGONAL REFLECTORIZED WHITE LEGEND ON RED BACKGROUND

NOTE: ALL ROAD SIGNS SHALL SHALL BE IN ACCORDANCE WITH THE MUTCD AND DELDOT STANDARDS, LATEST EDITION THEREOF.

SIGNAGE DETAIL

Miller

SITE DETAILS

SMS

KBE

DATE

JULY 2018

SCALE

As Shown

PROJ. NO. *1945A006* Dwg No: