



# Andrews, Miller & Associates

A DIVISION OF DAVIS, BOWEN & FRIEDEL, INC.

ARCHITECTS ENGINEERS SURVEYORS

## **Addendum No. 02**

Date: Thursday, August 16, 2018

Project : Phillips Landing Boat Ramp at Nanticoke Wildlife Area  
Contract No. NAT201801/Phillips.Landing  
AMA/DBF Job no. 1945A006.B01

Prepared By: Ken Eaton, AMA/DBF

Addendum No. 2 includes the following items:

### **1. Mill & Overlay**

All references to "Mill & Overlay" shall be modified to indicate "Overlay" only. Due to the potential areas of poor sub-grade and some areas of approximately 2" of existing pavement thickness, the milling operation will not be required. Full depth restoration will be required where existing pavement is determined to be weak.

### **2. Subcontractor List:**

Based upon discussions held during the Pre-Bid meeting, the subcontractor list within the Bid Form has been revised to delete "Electric & Power" and replace with "Surveyor".

## **Project Manual Sections:**

### **00 41 13 Bid Form**

Replace entire section with section attached to this addendum. Bid Form Unit Prices (page 2) has been revised to include the following:

#### **Bid Form Page 2**

##### Unit Price No. 5

1. Description: Provide Full Depth Pavement Restoration
2. Unit of measurement: Square foot

#### **Bid Form Page 4**

##### Subcontractor List

Item No. 2: Replace "**Electric & Power**" with "**Surveyor**"

### **01 22 00 Unit Prices**

Replace entire section with section attached to this addendum. List of Unit Prices (page 2) has been revised to include the following:

##### E. Unit Price No. 5

1. Description: Provide Full Depth Pavement Restoration
2. Unit of measurement: Square foot

**32 10 02 – Pavement (Bituminous Concrete)**

Replace entire section with section attached to this addendum. Part 3-Execution, section 3-2 has been revised to include the following:

**3.2 Bituminous Concrete**

- A. Parking lot and loop / access road shall be overlaid with a minimum 2" Bituminous Concrete Surface Course – Superpave Type C.
- B. All surfaces to be overlaid shall be thoroughly cleaned and any vegetation removed from all cracks.
- C. All weak areas shall be repaired with full depth patches. If cleaned and patched surface does not provide a uniform supporting layer, leveling courses and / or leveling wedges shall be required to provide proper line and cross-section.
- D. Paver must examine the areas and conditions under which the bituminous concrete pavement is to be installed. Notify the Owner in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until satisfactory conditions have been corrected in a manner acceptable to the Paver and the Owner.
- E. If the corrected surface is sound and acceptable to the Paver and Owner, a tack coat shall be applied at the rate of 0.10 gal. / Sq. Yd.

Original Items A thru F shall be re-lettered to continue beginning with F. and ending with K.

**Drawings:**

**Sheet C-3:**

Note indicating "PROPOSED MILL & OVERLAY, TYP. SEE DETAIL SHEET 6". Has been revised as follows:

~~PROPOSED MILL & OVERLAY, TYP. SEE DETAIL SHEET 6~~

**Sheet C-6:**

MILL AND OVERLAY DETAIL revised as follows:

~~MILL AND OVERLAY DETAIL~~

FULL DEPTH RESTOTATION DETAIL added

**End of Addendum No. 02**

PHILLIPS LANDING/NANTICOKE WILDLIFE AREA

PHILLIPS LANDING BOAT RAMP

Date of Issue July 2018

Project Manual

Division of Fish and Wildlife Project No. NAT-201801/Phillips.Landing

PHILLIPS LANDING BOAT RAMP

NANTICOKE WILDLIFE AREA

LAUREL, DELAWARE 19956

DIVISION OF FISH AND WILDLIFE CONTRACT No. NAT-201801/PHILLIPS.LANDING

### BID FORM

For Bids Due: Friday, September 7<sup>th</sup>, 2018  
At 2:00 PM

To: Dept. of Natural Resources and Environmental Control  
Division of Fish and Wildlife  
Office Number A247  
89 Kings Highway, Dover DE 19901

Name of Bidder: \_\_\_\_\_

Delaware Business License No.: \_\_\_\_\_

Taxpayer ID No.: \_\_\_\_\_

(A copy of Bidder's Delaware Business License must be attached to this form.)

(Other License Nos.): \_\_\_\_\_

Phone Number: ( ) \_\_\_\_\_

Fax Number: ( ) \_\_\_\_\_

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

BASE BID:

ITEM No. 1: 3 Lane Boat Ramp Renovation/Replacement and Parking Lot Improvements:

(\$ \_\_\_\_\_ )

ITEM No. 2: Kayak Launch Improvements:

(\$ \_\_\_\_\_ )

Total Bid = Item No. 1 + Item No. 2:

(\$ \_\_\_\_\_ )

## PHILLIPS LANDING BOAT RAMP

## NANTICOKE WILDLIFE AREA

LAUREL, DELAWARE 19956

DIVISION OF FISH AND WILDLIFE CONTRACT No. NAT-201801/PHILLIPS.LANDING

**BID FORM**

## UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	DEDUCT	ADD
UNIT PRICE No. 1: Unsatisfactory Soils	\$ _____	\$ _____
1. Description: Excavation and disposal of unsatisfactory soils as defined in Section 31 20 00 Earth Moving		
2. Unit of Measurement: Cubic Yards (CY)		
UNIT PRICE No. 2 Del. Crusher Run Type B or CR-1	\$ _____	\$ _____
1. Description: Inclusion of GABC within the over-excavation areas as defined in section 31 20 00 Earth Moving		
2. Unit of Measurement: Ton		
UNIT PRICE No. 3	\$ _____	\$ _____
1. Description: Furnish & Install 12" – 3' Timber Piles		
2. Unit of Measurement: Vertical Foot		
UNIT PRICE No. 4	\$ _____	\$ _____
1. Description: Furnish & Install 12" Steel Guide Piles		
2. Unit of Measurement: Vertical Foot		
UNIT PRICE No. 5	\$ _____	\$ _____
1. Description: Provide Full Depth Pavement Restoration		
2. Unit of Measurement: Square Foot		

PHILLIPS LANDING/NANTICOKE WILDLIFE AREA

PHILLIPS LANDING BOAT RAMP

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### BID FORM

I/We acknowledge Addendums numbered \_\_\_\_\_ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within \_\_\_\_\_ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By \_\_\_\_\_ Trading as \_\_\_\_\_  
(Individual's/General Partner's /Corporate Name)

\_\_\_\_\_  
(State of Corporation)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness: \_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Signature)

(Seal)

\_\_\_\_\_  
(Title)

Date: \_\_\_\_\_

#### ATTACHMENTS

Sub-Contractor List

Non-Collusion Statement

Affidavit(s) of Employee Drug Testing Program

Bid Security

(Others as Required by Project Manual)

## PHILLIPS LANDING BOAT RAMP

## NANTICOKE WILDLIFE AREA

LAUREL, DELAWARE 19956

DIVISION OF FISH AND WILDLIFE CONTRACT No. NAT-201801/PHILLIPS.LANDING

**BID FORM**SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions. **Note that all subcontractors listed below must have a signed Affidavit of Employee Drug Testing Program included with this bid.**

Subcontractor Category	Subcontractor	Address (City & State)	Subcontractors tax payer ID # or Delaware Business license #
1. Concrete	_____	_____	_____
	_____	_____	_____
2. Survey	_____	_____	_____
	_____	_____	_____
3. Site Work	_____	_____	_____
	_____	_____	_____
4. General Construction	_____	_____	_____
	_____	_____	_____

PHILLIPS LANDING/NANTICOKE WILDLIFE AREA

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**BID FORM**

**NON-COLLUSION STATEMENT**

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to the Office of Design and Development, Division of Fish and Wildlife, DNREC.

All the terms and conditions of the Phillips Landing Boat Ramp have been thoroughly examined and are understood.

**NAME OF BIDDER**

\_\_\_\_\_

**AUTHORIZED REPRESENTATIVE**

**(TYPED):**

\_\_\_\_\_

**AUTHORIZED REPRESENTATIVE**

**(SIGNATURE):**

\_\_\_\_\_

**TITLE:**

\_\_\_\_\_

**ADDRESS OF BIDDER:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**E-MAIL:**

\_\_\_\_\_

**PHONE NUMBER:**

\_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ of 20  
\_\_\_\_\_.

My commission expires \_\_\_\_\_.

NOTARY PUBLIC \_\_\_\_\_

**THIS PAGE MUST BE SIGNED AND NOTORIZED FOR YOUR BID TO BE CONSIDERED.**

PHILLIPS LANDING/NANTICOKE WILDLIFE AREA

PHILLIPS LANDING BOAT RAMP

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**AFFIDAVIT  
OF  
EMPLOYEE DRUG TESTING PROGRAM**

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

**Contractor/Subcontractor Name:**

\_\_\_\_\_

**Contractor/Subcontractor Address:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Authorized Representative (typed or printed):**

\_\_\_\_\_

**Authorized Representative (signature):**

\_\_\_\_\_

**Title:**

\_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

**THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.**



**SECTION 012200 - UNIT PRICES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for unit prices.
- B. Related Sections include the following:
  - 1. Division 1 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
  - 2. Division 31 "EARTHWORK," Section 31 20 00 "EARTH MOVING" procedures for measurement and payment for excavation/ disposal of unsatisfactory soils.
  - 3. Division 31 "EARTHWORK," Section 31 20 00 "EARTH MOVING" procedures for measurement and payment for Del. No. 57 Stone.
  - 4. Division 31 "EARTHWORK," Section 31 20 00 "EARTH MOVING" procedures for measurement and payment for Del. No. 2 Stone.

**1.3 DEFINITIONS**

- A. Unit price is an amount proposed by bidders, stated on the Bid Form, as a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

**1.4 PROCEDURES**

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A list of unit prices is included at the end of this Section. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

## PART 3 - EXECUTION

### 3.1 LIST OF UNIT PRICES

A. Unit Price No. 1 –Unsatisfactory Soils.

1. Description: Excavation/disposal of unsatisfactory soils as defined in Section 31 20 00 “EARTH MOVING.”
2. Unit of Measurement: Cubic Yards (CY)

B. Unit Price No. 2-Del. Crusher Run Type B or CR-1

1. Description: Inclusion of GABC within the “over-excavation” area as defined in Section 31 20 00 “EARTH MOVING”.
2. Unit of Measurement: Ton

C. Unit Price No.3

1. Description: Furnish & Install 12”-3’ Timber Piles
2. Unit of Measurement: Vertical Foot

D. Unit Price No. 4

1. Description: Furnish & Install 12” Steel Guide Piles
2. Unit of Measurement: Vertical Foot

E. Unit Price No. 5

1. Description: Provide Full Depth Pavement Restoration
2. Unit of Measurement: Square Foot

**END OF SECTION 012200**

## **SECTION 32 10 02 – PAVEMENT (BITUMINOUS CONCRETE)**

### **Part 1 - General**

#### **1-1 Scope**

- A. Contractor shall provide all labor, materials, equipment and services necessary for and reasonably incidental to, furnishing and installing complete all related items as shown on the drawings and/or as specified herein.
- B. The Contractor shall adhere to the terms of the various permits and approvals issued to this project.
- C. The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations applicable to work. If the Contractor observes that the Specifications and/or Drawings are at variance therewith, he will give the Owner or the Owner's Representative prompt written notice thereof. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner or the Owner's Representative, he will bear all costs arising therefrom.
- D. Work shall consist of, but not be limited to installing prime coats, tack coats, bituminous concrete pavement, line painting and handicapped symbol painting.
- E. Related work not included in this Section consists of the following:
  - 1. "Selective Demolition" provided under Section 02 41 19.
  - 2. "Cast-In-Place Concrete" provided under Section 03 30 53.
  - 3. "Earth Moving" provided under Section 31 20 00.
  - 4. "Barricades, Guardrail and Signage" provided under Section 32 30 01.
- F. Related Documents: The general provisions of the Contract, including Division 1 – General Requirements, the Geotechnical Report in Appendix 3; ASTM Standards in Building Codes, and The DelDOT "Standard Specification for Road and Bridge Construction, August 2001; and all applicable supplements and addenda pertaining thereto apply to this section.

#### **1-2 Quality Assurance**

- A. Source Quality Control: Maintain quality in products by using those of a qualified bituminous concrete producer having qualified plant operating personnel.
- B. Experience: The bituminous concrete producer shall be a bulk producer regularly engaged in production of hot-mixed, hot-laid bituminous concrete conforming to the standards referenced herein.
- C. Workmen Qualifications: Provide at least one person thoroughly trained and experienced in the skills required who readily understands the design and is completely familiar with the application of stone base and bituminous concrete paving work. Said person shall be present at all times during progress of the stone base and bituminous concrete paving work and shall direct the performance of said work. For actual finishing of bituminous

concrete surfaces and operation of the equipment, use only personnel thoroughly trained and experienced in the skills required.

## **Part 2- Materials**

### **2-1 Paving and Aggregate Products**

#### **A. Roadwork and Paving**

All new road surfaces and paved areas where indicated on the plans shall consist of Bituminous Concrete Surface Course (Superpave Type C), Bituminous Concrete Base Course (Superpave Type B), over the compacted aggregate base. Roads shall be installed to the sizes, dimensions, grades, slopes and elevations as shown on the contract drawings. Existing pavement shall be scarified, cleaned and resurfaced with Bituminous Concrete Surface Course (Superpave Type C).

The Contractor shall submit in writing at least three weeks in advance of the paving operation the following information for the Owner or Owner's Representative.

1. Source of each aggregate component.
2. Source of asphalt and anti-stripping agent.
3. Complete gradation.
4. Plant from which material will be ordered.

#### **B. Aggregate Base Course**

1. Aggregate Base Course: The aggregate base course shall be in accordance with the provisions of Section 821; "Aggregates" Type A (CR-1) or Type B (Crusher Run) of the DelDOT Specifications.

#### **C. Measurement and Payment**

1. The DelDOT Specification provisions dealing with measurement and payment for pavement coarses shall not be applicable to this contract. No measurement for this item of work will be made since its' cost shall be included in the lump sum price bid.

### **2-2 Pavement Paint**

Paint shall be in accordance with Federal Highway Administration Specification TT-P115. Roadways and parking areas shall be delineated with white paint.

## **Part 3- Execution**

### **3-1     Preparation**

- A.     The Contractor shall prepare subgrade and place, grade and compact aggregate base course at the new and replacement pavement areas in accordance with Section 31 20 00 "Earth Moving".

### **3-2     Bituminous Concrete**

- A.     Parking lot and loop / access road shall be overlaid with a minimum 2" Bituminous Concrete Surface Course – Superpave Type C.
- B.     All surfaces to be overlaid shall be thoroughly cleaned and any vegetation removed from all cracks.
- C.     All weak areas shall be repaired with full depth patches. If cleaned and patched surface does not provide a uniform supporting layer, leveling courses and / or leveling wedges shall be required to provide proper line and cross-section.
- D.     Paver must examine the areas and conditions under which the bituminous concrete pavement is to be installed. Notify the Owner in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until satisfactory conditions have been corrected in a manner acceptable to the Paver and the Owner.
- E.     If the corrected surface is sound and acceptable to the Paver and Owner, a tack coat shall be applied at the rate of 0.10 gal. / Sq. Yd.
- F.     Bituminous Concrete Pavement material shall be applied only to dry surfaces.
- G.     Equipment and methods of construction shall be in accordance with Section 401 of the Delaware Department of Transportation Standard Specifications for Road and Bridge construction.
- H.     Bituminous Concrete Pavement base and surface courses shall be laid to the grade and cross section as shown on the drawings.
- I.     The terminus of all proposed paving shall be butted to match existing pavement. This shall be in accordance with the provisions of Section 761 of the Delaware Department of Transportation Standard Specifications for Road and Bridge construction.
- J.     No traffic will be permitted on the bituminous concrete pavement until it has set sufficiently to prevent marking.
- K.     The Contractor shall take all steps necessary to prevent damage to completed pavements during construction until final acceptance of the project by the Owner. Construction equipment and materials shall not travel over or be stored on pavements accepted by the Owner. Any damage to the pavements or the base materials by construction activities shall be repaired as directed by the Owner or the Owner's Representative at no additional cost to the Owner.

### **3-3     Pavement Painting**

The Contractor shall paint paved areas with white paint as shown on the drawings. Any parking stall lines shall be 4" wide. Paint shall be material especially adapted for this use being equal to Gliddens "Romard Traffic Paint" or DegraCo "Traffic Master" Standard Type. Contractor shall allow

the pavement to cure for at least 21 days before applying paint. Clean the pavement to remove loose sand, stones, dust, oil, grease, water, and other substances that are harmful to paint or adversely affect the adhesion of paint. Do not apply paint if conditions prevent neat, uniform application.

**Part 4- Measurement**

No measurement for payment of these items of work will be made since their cost shall be included in the lump sum price bid.

- END OF SECTION –



**KAYAK LAUNCH CONSTRUCTION NOTES:**  
1. IN LIEU OF MANUFACTURERS RECOMMENDATIONS, MOBI-MAT SHALL BE ATTACHED TO THE EXISTING CONCRETE SLAB WITH 1/2" x 3" WIDE HOPE MARINE BOARD WITH TAPCON 3/8" x 2 1/2" WHITE ULTRASHIELD (6" C.C.) OR EQUAL ON ALL SIDES.  
2. MOBI-MAT SHALL BE INSTALLED AS FAR DOWN THE RAMP AS POSSIBLE WITHOUT UTILIZING A COFFERDAM. RECOMMEND INSTALLING AT LOW TIDE.

PROPOSED 10' WIDE, 50' LONG MOBI-MAT RECAPTH GRADE, AFX BROWN EAGLE OR APPROVED EQUAL. ANCHOR PER MANUFACTURER RECOMMENDATIONS.

BENCHMARK  
IRON ROD W/ CAP SET  
N 205595.674  
E 582962.144  
ELEV. = 6.41' MLW

REMOVE EXISTING CONCRETE AND REPLACE WITH A HERRINGBONE SURFACE. EXPAND CONCRETE SURFACE AND GRAVEL BASE TO PROVIDE A 3-LANE BOAT RAMP.

\* TEST PILES SHALL BE 50' LONG MINIMUM

PROPOSED 3 LANE BOAT RAMP WITH 2 FLOATING PIERS. SEE BOAT RAMP SITE PLAN, SHEET C-4.

REMOVE EXISTING ALUMINUM BULKHEAD TO THE LIMIT SHOWN.

BENCHMARK  
IRON ROD W/ CAP SET  
N 205569.878  
E 583134.988  
ELEV. = 4.79' MLW

PROTECT EXISTING TREES AND THEIR ROOT SYSTEMS (TYP)

REMOVE EXISTING BITUMINOUS PAVEMENT

PROPOSED CONCRETE LEVELING PAD  
REMOVE EXISTING TIMBER BOLLARDS AS NECESSARY FOR CONSTRUCTION (TYP)

PARKING SPACE STRIPING SHALL BE 4" WIDE WHITE PAVEMENT MARKING PAINT, TYP.

ADA ACCESSIBLE ROUTE STRIPING SHALL BE 4" WIDE WHITE PAVEMENT MARKING PAINT @ 45', 32" CC

HANDICAP SYMBOL, TYP - 4, SEE DETAIL SHEET C-6

Philips Landing RTA

PROPOSED HATCHED STRIPING SHALL BE 4" WIDE YELLOW PAVEMENT MARKING PAINT @ 45', 32" CC

PROPOSED OVERLAY, TYP. SEE DETAIL SHEET C-6

PROPOSED TRAFFIC FLOW DIRECTION ARROW, TYP. - 3, SEE DETAIL SHEET C-6

### SIGN LEGEND

SIGN	QUANTITY
1a STOP (R1-1)	1
2a DO NOT ENTER (R5-1)	2
3a VAN PARKING - ADA	2
4a CAR PARKING - ADA	1

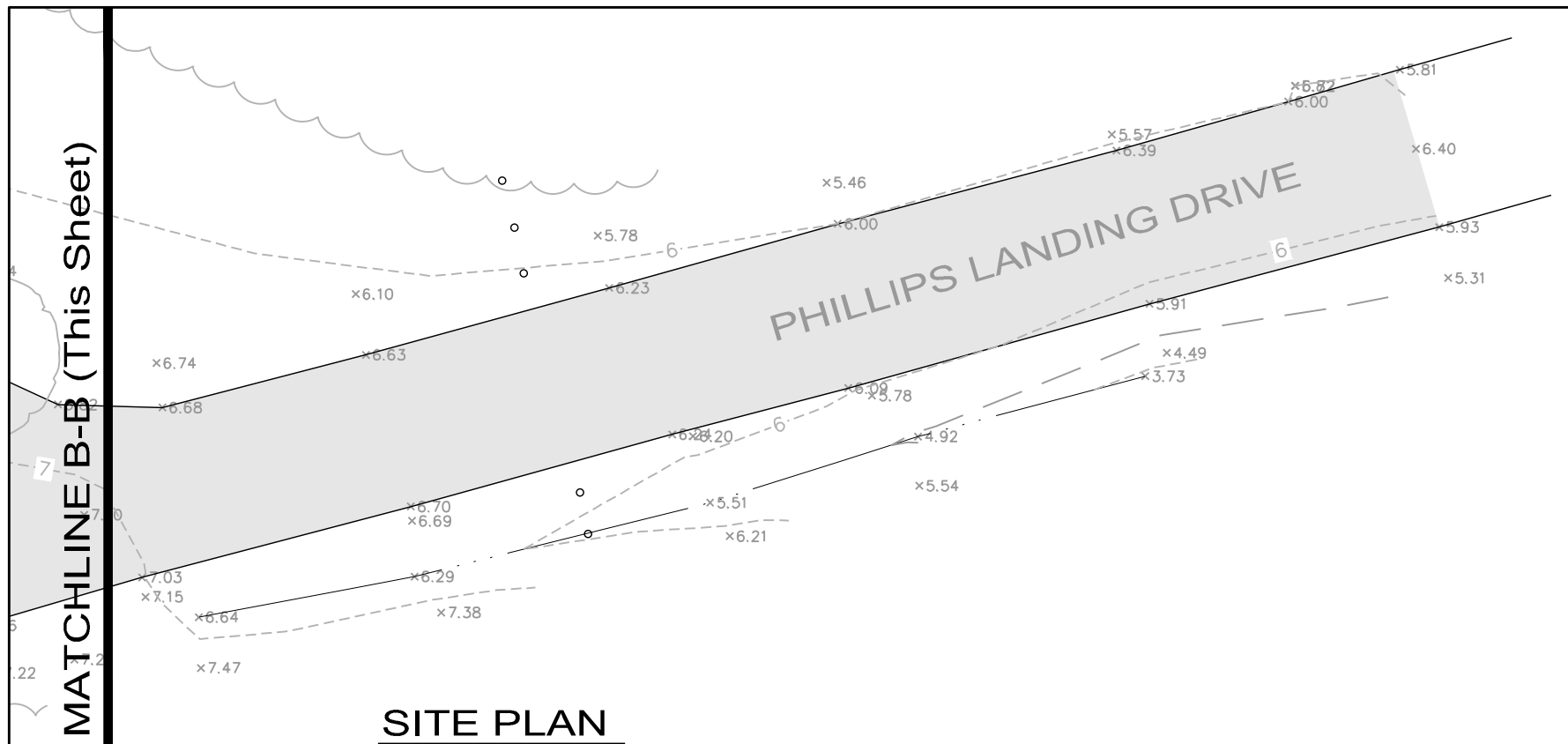
### EROSION AND SEDIMENT CONTROL LEGEND

ITEM	PROPOSED	DE STANDARD DETAIL *
LIMIT OF DISTURBANCE	LOD	N/A
PUMPING PIT - TYPE 1	(PP-1)	DE-ESC-3.2.2.1
GEOTEXTILE DEWATERING BAG	(GB)	DE-ESC-3.2.1.2
PORTABLE SEDIMENT TANK	(ST)	DE-ESC-3.2.1.1

\* SEE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR STANDARD DETAILS AND SPECIFICATIONS.

### SITE PLAN

SCALE: 1" = 20'



NO.	DATE	REVISIONS
1	08/16/18	ADDENDUM NO. 02 - OVERLAY

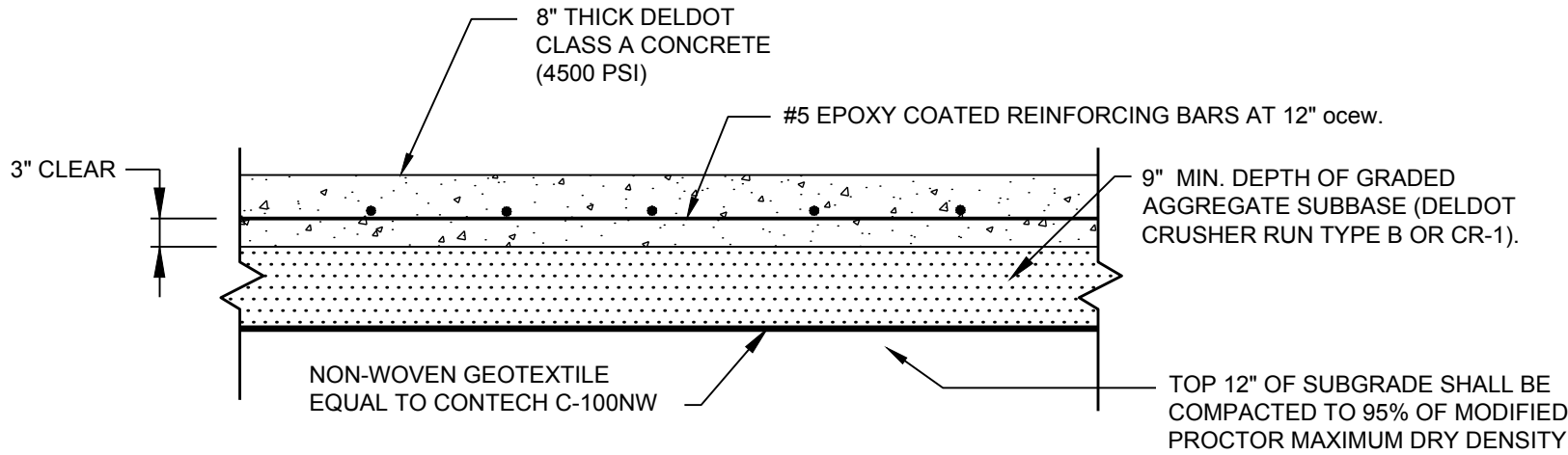
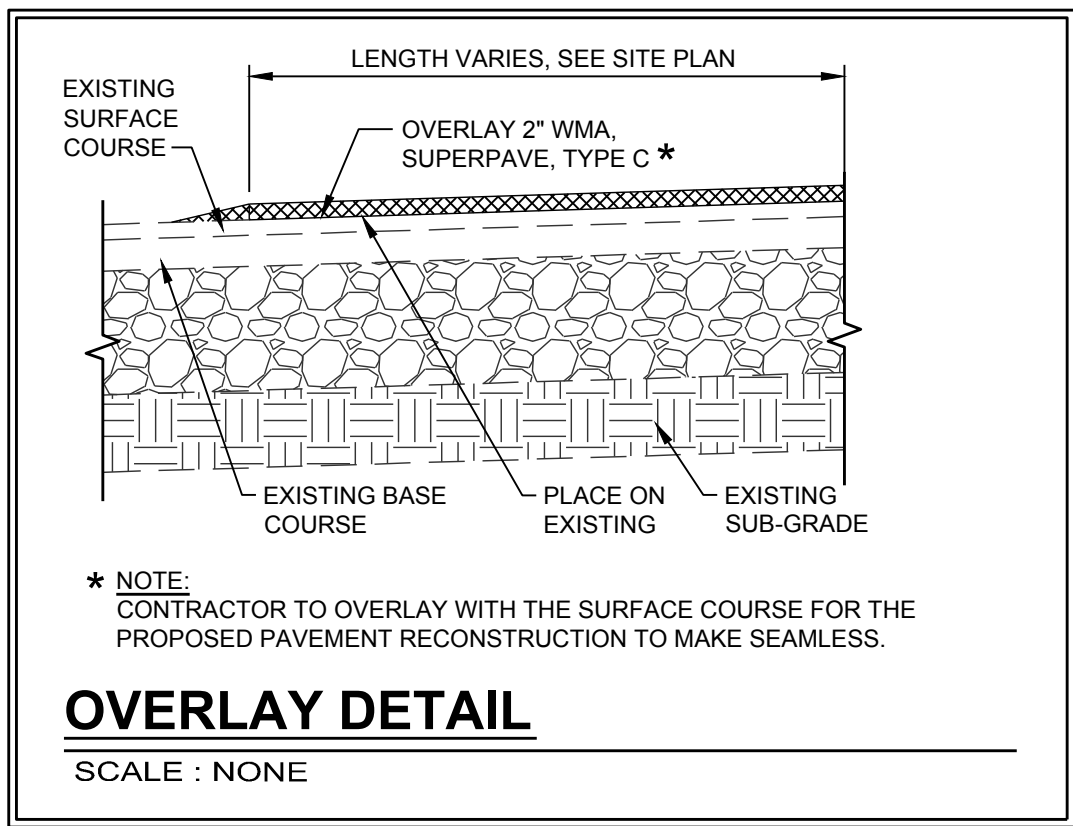
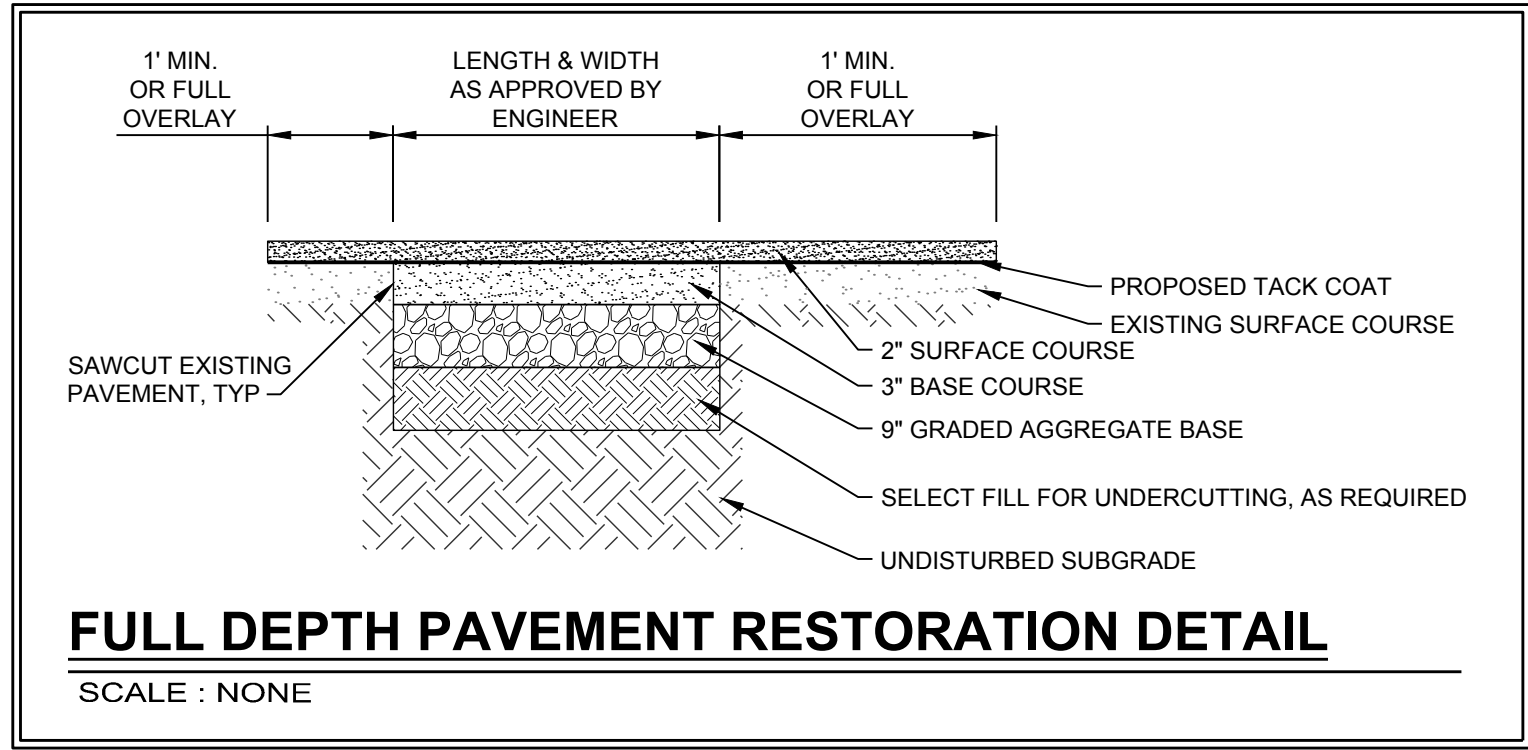


**Andrews, Miller & Associates**  
ARCHITECTS ENGINEERS SURVEYORS  
A Division of:  
**DAVIS, BOWEN & FRIEDEL, INC.**  
EASTON, MARYLAND (410) 770-4744  
SUSSEX COUNTY, DELAWARE (302) 424-1441

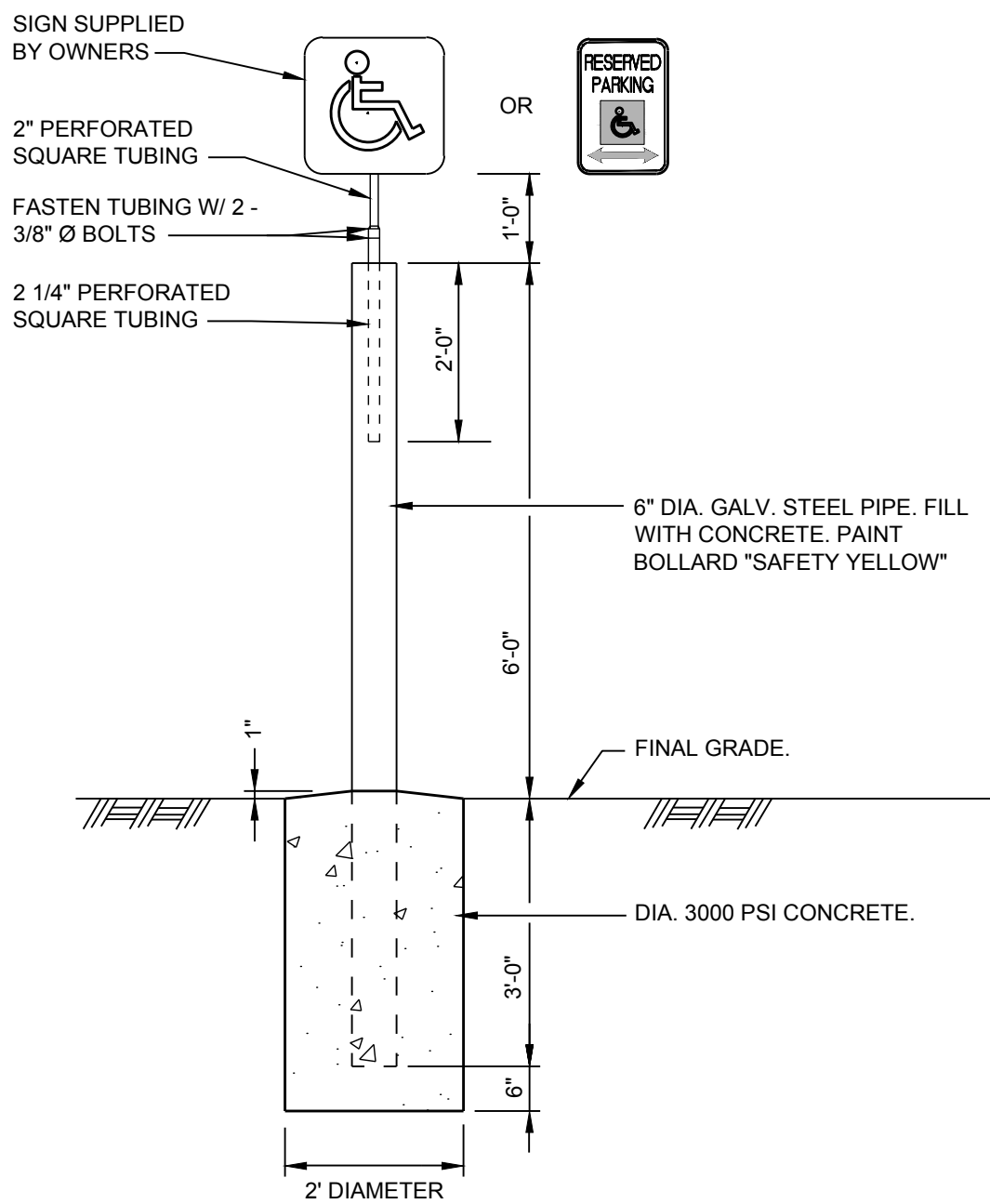
**SITE PLAN**  
FOR  
STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL  
DIVISION OF FISH AND WILDLIFE  
at  
**PHILLIPS LANDING BOAT RAMP**  
SUSSEX COUNTY, DELAWARE

DRAWN	DESIGNED	CHECKED
SMS	ABE	JPL
DATE JULY 2018		
SCALE 1" = 20'		
PROJ. NO. 1945A006		
Dwg No. C-3		
3	of	6

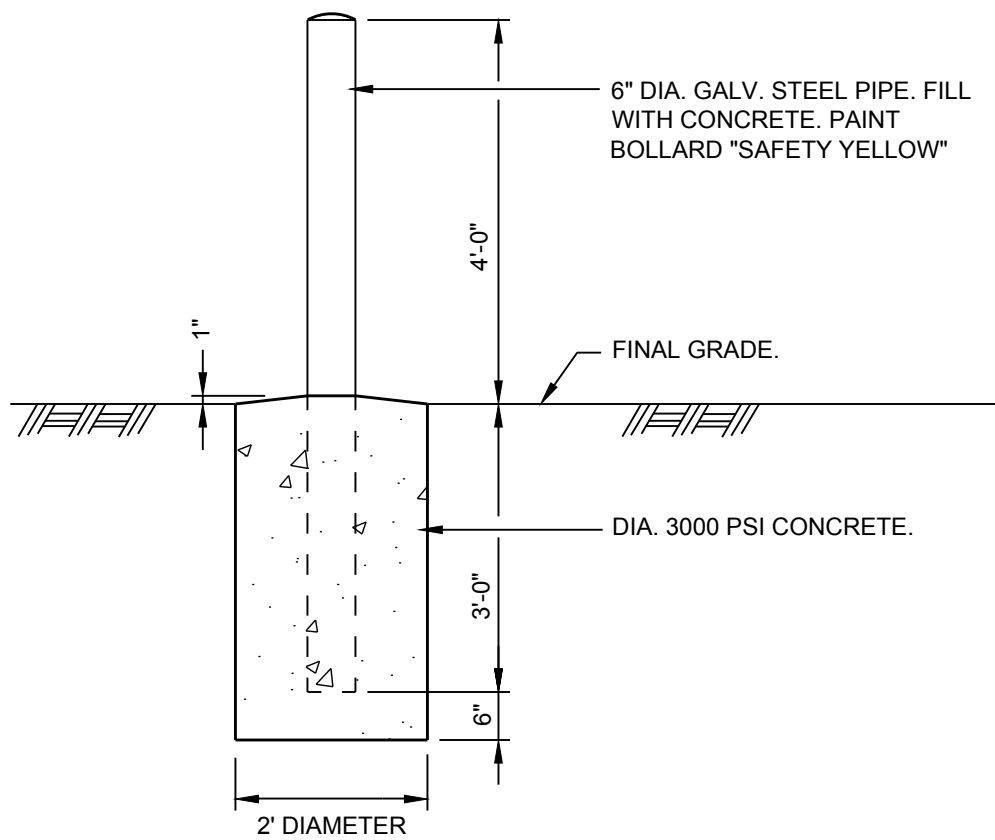




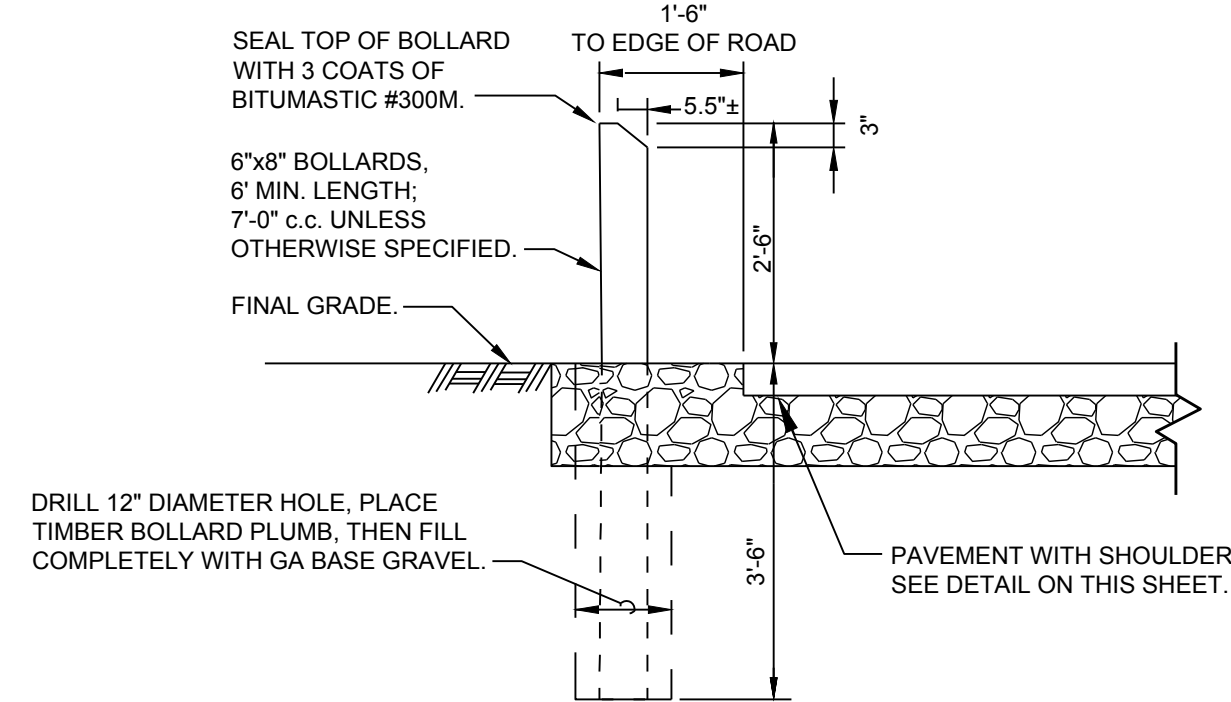
CONCRETE LEVELING PAD SECTION  
NO SCALE



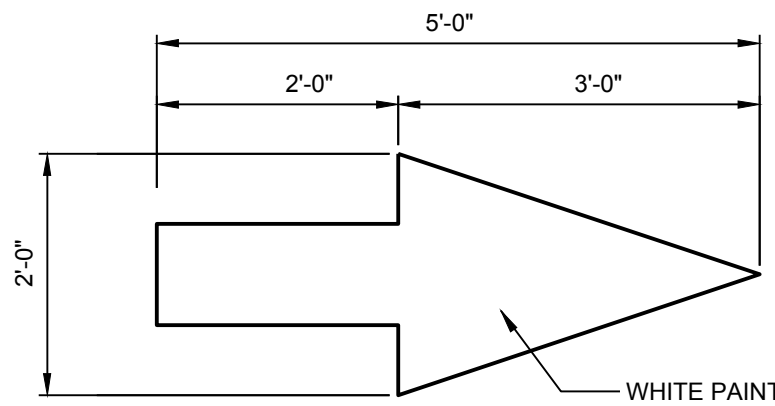
TYPICAL STEEL BOLLARD W/ SIGN DETAIL  
SCALE: 1"= 2'



TYPICAL STEEL BOLLARD DETAIL  
SCALE: 1"= 2'

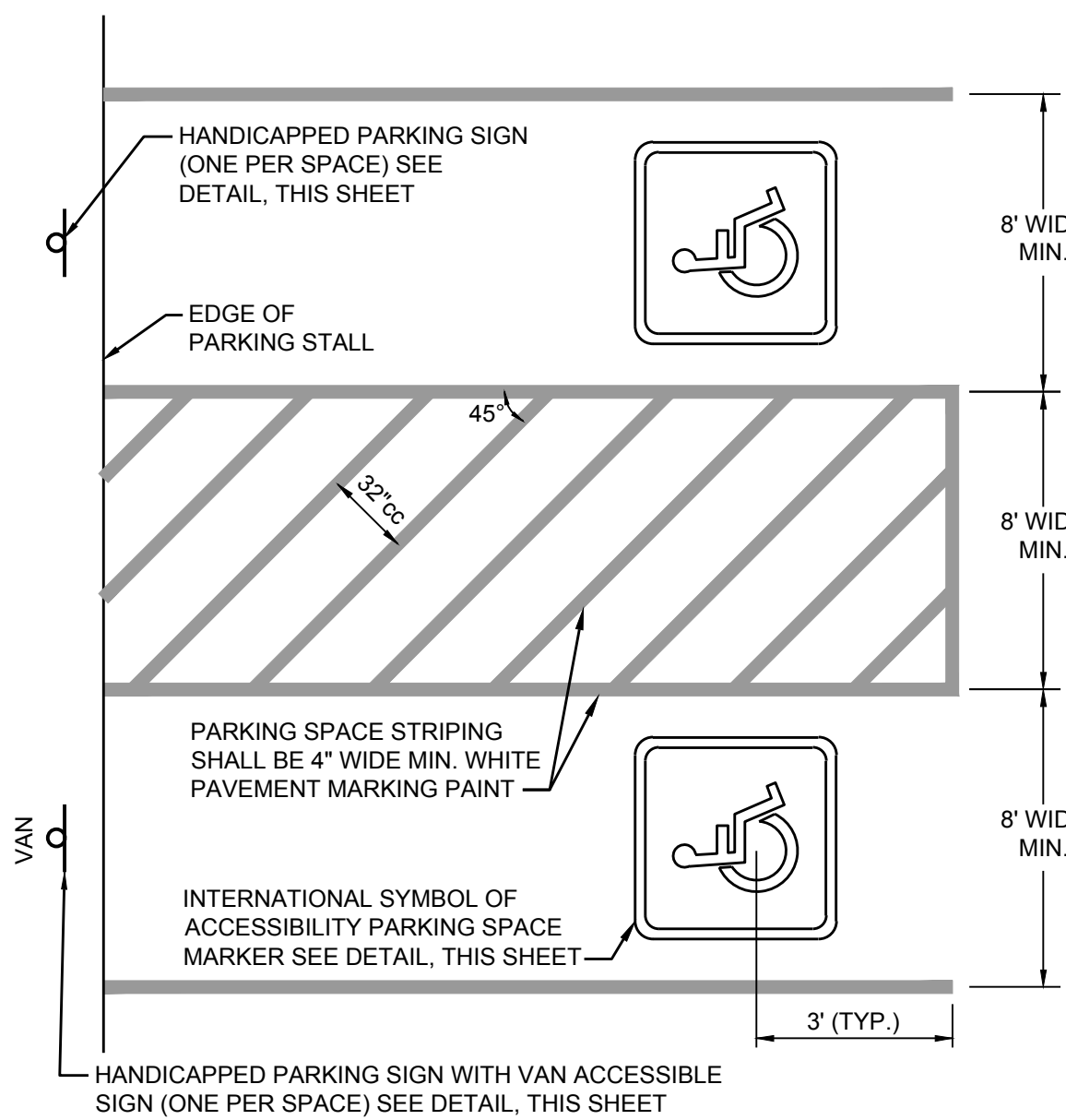


TYPICAL TIMBER BOLLARD DETAIL  
SCALE: 1"= 2'

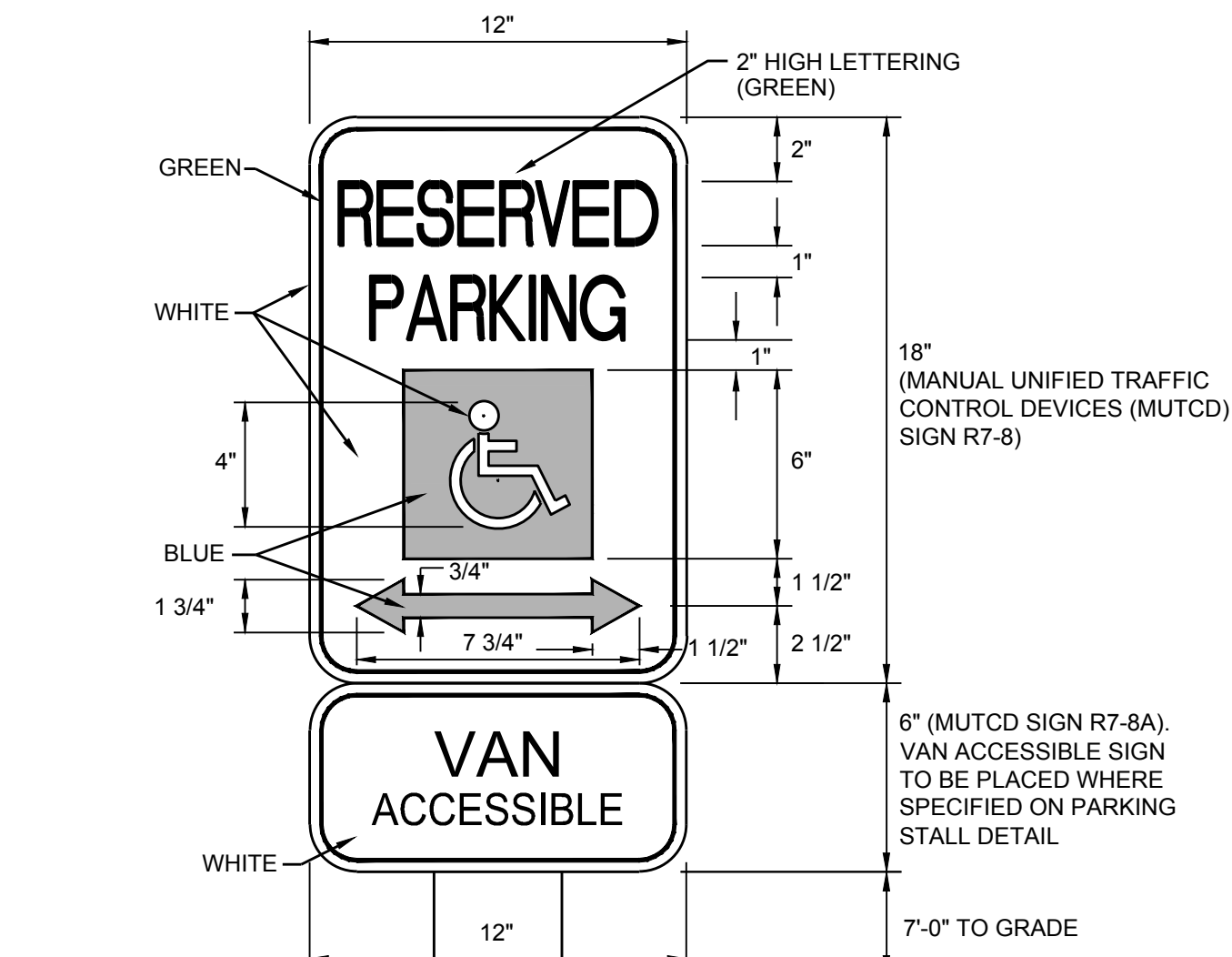


NOTE: DIMENSIONS MAY VARY.

TRAFFIC FLOW DIRECTION ARROW  
SCALE : NONE

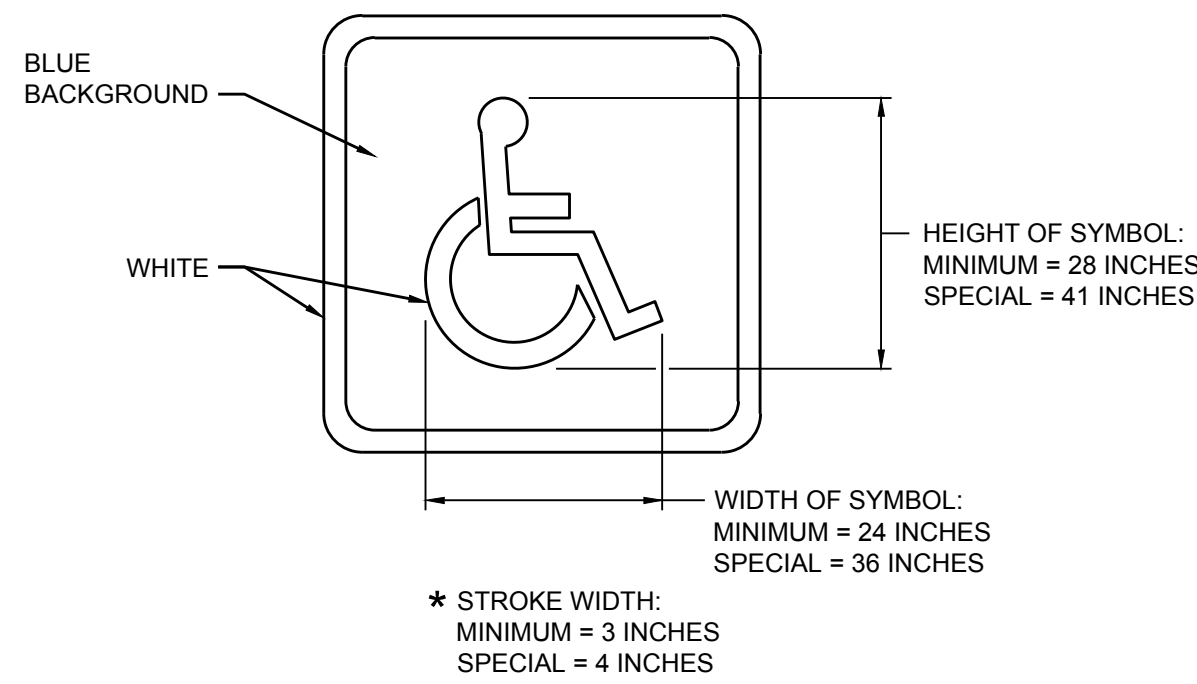


TYPICAL HANDICAPPED CAR PARKING STALL PLAN  
SCALE: NONE



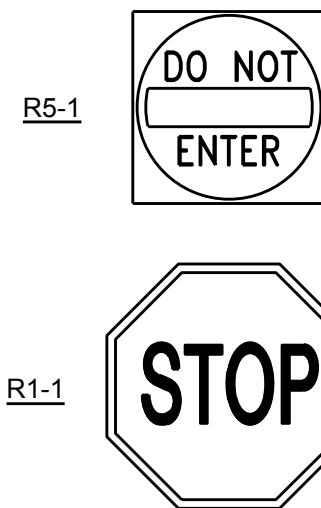
- NOTES:
1. BOTTOM EDGE OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISHED GRADE.
  2. CONTRACTOR SHALL INSTALL ONE SIGN PER HANDICAP PARKING SPACE.
  3. SIGNS ARE TO BE CENTERED ON STALL WIDTH, FACING PARKING.
  4. ALL SIGNS SHALL HAVE A WHITE BACKGROUND WITH GREEN LETTERING IN ACCORDANCE WITH THE MUTCD AND DELDOT STANDARDS, LATEST EDITION THEREOF.

HANDICAPPED PARKING SIGN DETAIL  
SCALE : NONE



NOTE: BLUE BACKGROUND AND WHITE BORDER ARE OPTIONAL

INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING  
SCALE : NONE



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

SIGNAGE DETAIL  
SCALE : NONE

REVISIONS		DATE	BY
NO.	ITEM		
1	ADDENDUM NO. 02 - OVERLAY	08/16/18	



**Andrews, Miller & Associates**  
ARCHITECTS ENGINEERS SURVEYORS  
A Division of:  
**DAVIS, BOWEN & FRIEDEL, INC.**  
EASTON, MARYLAND (410) 770-4744  
SUSSEX COUNTY, DELAWARE (302) 424-1441

**SITE DETAILS**  
FOR  
STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL  
DIVISION OF FISH AND WILDLIFE  
at  
**PHILLIPS LANDING BOAT RAMP**  
SUSSEX COUNTY, DELAWARE

DRAWN	DESIGNED	CHECKED
SMS	KBE	JPL
DATE JULY 2018		
SCALE As Shown		
PROJ. NO. 1945A006		
Dwg No. <b>C-6</b>		
6	of	6