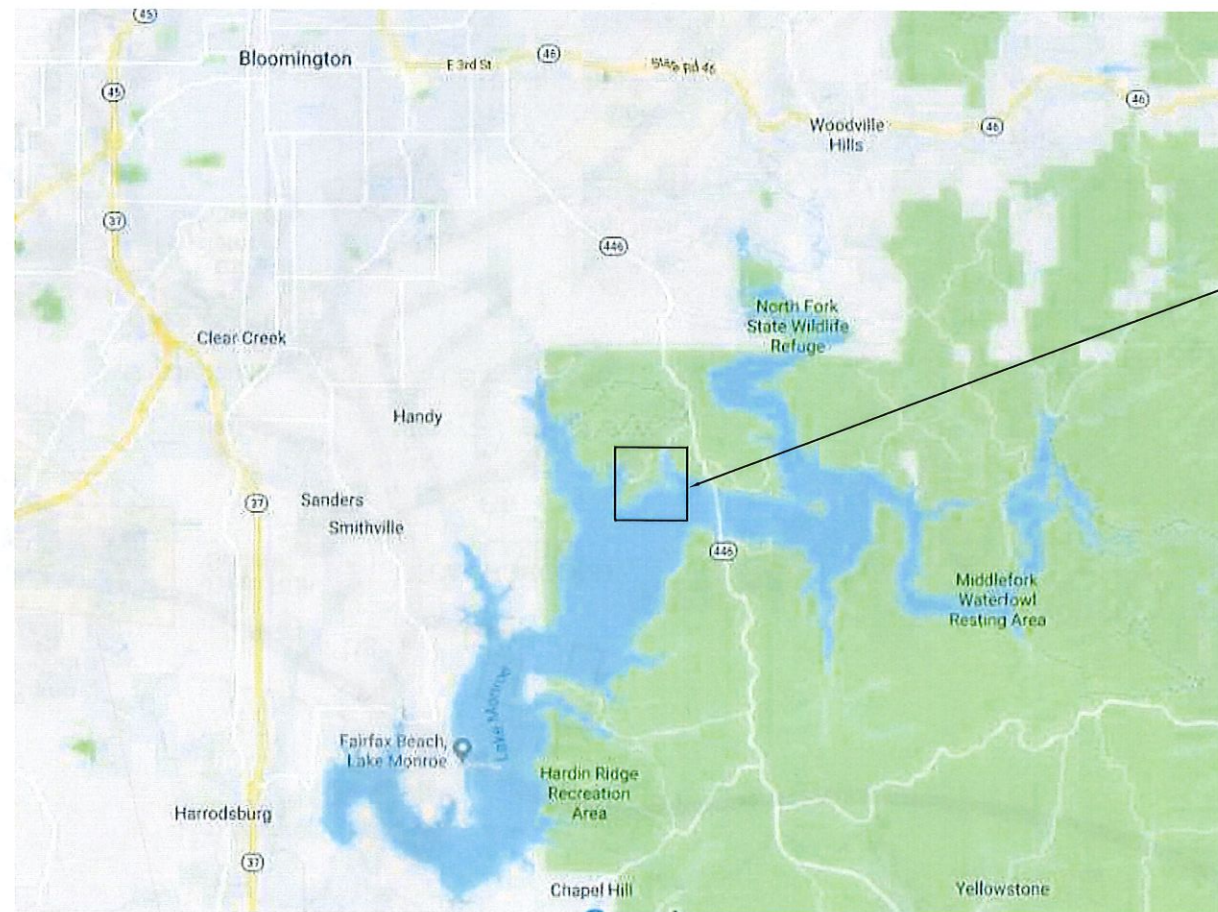


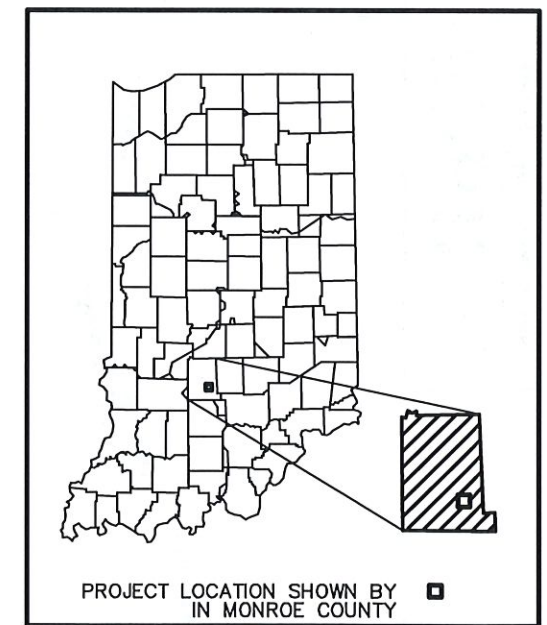
# INDIANA DEPARTMENT OF ADMINISTRATION PUBLIC WORKS DIVISION

PUBLIC WORKS PROJECT NO. ENG1801724495  
BOAT & VEHICLE PARKING PAVING PROJECTS - 2018  
VARIOUS LOCATIONS  
DNR - PAYNETOWN STATE RECREATION AREA

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2	PROPERTY MAP
3	BOAT PARKING #2 - PAVEMENT DETAIL
4	BOAT PARKING #2 - PAVEMENT MARKINGS
5	BEACH PARKING - PAVEMENT DETAIL
6	BEACH PARKING - PAVEMENT MARKINGS
7	MARINA PARKING - PAVEMENT DETAIL
8	MARINA PARKING - PAVEMENT MARKINGS
9	CONSTRUCTION DETAILS



**LOCATION OF  
PROJECTS**



**INDIANA UNDERGROUND**  
Phone: (800)382-5544

Note: Utility locations are shown based upon information (maps and paint marks) supplied by others, and there is no guarantee of the accuracy or completeness of said locations.

**PLANS PREPARED BY:**



72 Henry Street  
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P: (812) 346-2045

1302 Race Street  
New Castle, IN 47362  
P: (765) 575-4056

[www.fpbhonline.com](http://www.fpbhonline.com)

Paynetown SRA  
4850 S. State Road 446  
Bloomington, IN 47401  
812-837-9546

February 16, 2018 BIDDING PLANS

**FILE NUMBER: 17-10654**

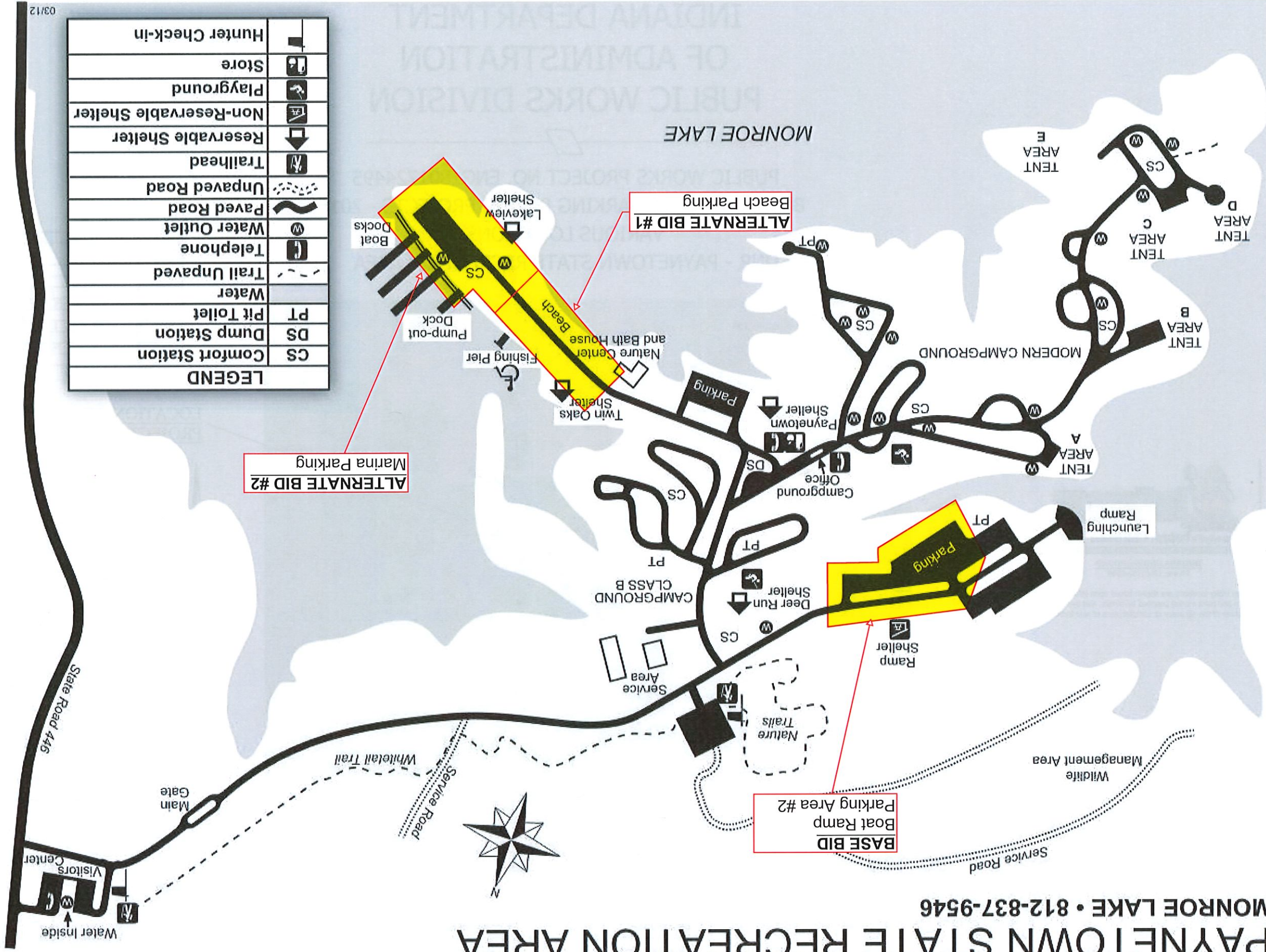
**GENERAL NOTE:**

All construction to meet or exceed all state, local, and federal codes & requirements, including but not limited to current INDOT, ISBH, IDEM, OSHA, local requirements and codes. The drawings & specs, that make up the work of this project are interrelated & dependent on every other drawing and spec. section. The contractor shall review all other spec., drawing, & addendum (if applicable) to coordinate all work that relates to this project. If an item is drawn or specified on any spec. section or drawing, it shall be as if it were part of this work and shall be provided for in the contract.



# PAYNETOWN STATE RECREATION AREA

MONROE LAKE • 812-837-9546



**GENERAL NOTE:**  
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**FPPBH, Inc.**  
 Engineers • Surveyors • Planners • Inspectors

77 Henry Street  
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 P: (812) 346-2045

1302 Race Street  
 New Castle, IN 47362  
 P: (765) 575-4056

www.fppbhinc.com

SCALE: DNS	DRAWN BY: JDS	CHECKED BY: BRB	DATE: February 16, 2018	REVISION	Drawn By	Date
				Project #s	BRB	Feb 21, 2018
FILE NO: 17-10654	CLIENT NAME: DNR - PAYNETOWN SRA	PROJ. NO. ENGL801224495	PROJECT DESCRIPTION: BOAT & VEHICLE PARKING	SHEET TITLE: PROPERTY MAP	DESIGN PHASE: BIDDING PLANS	SHEET NUMBER: 2

**GENERAL NOTE:**  
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**NOTES:**

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 1302 Race Street  
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 P: (765) 572-4056  
 www.fpbhinc.com

72 Henry Street  
 North Vernon, IN 47265  
 P: (812) 346-2045



SCALE: 1" = 30'  
 DRAWN BY: JDS  
 CHECKED BY: BRB  
 DATE: February 16, 2018

Revision	Drawn By	Date

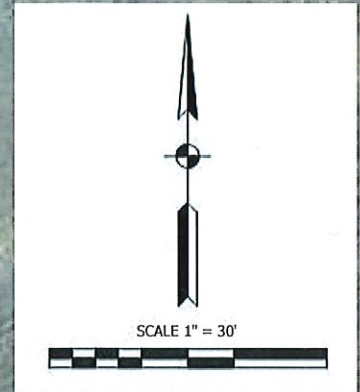
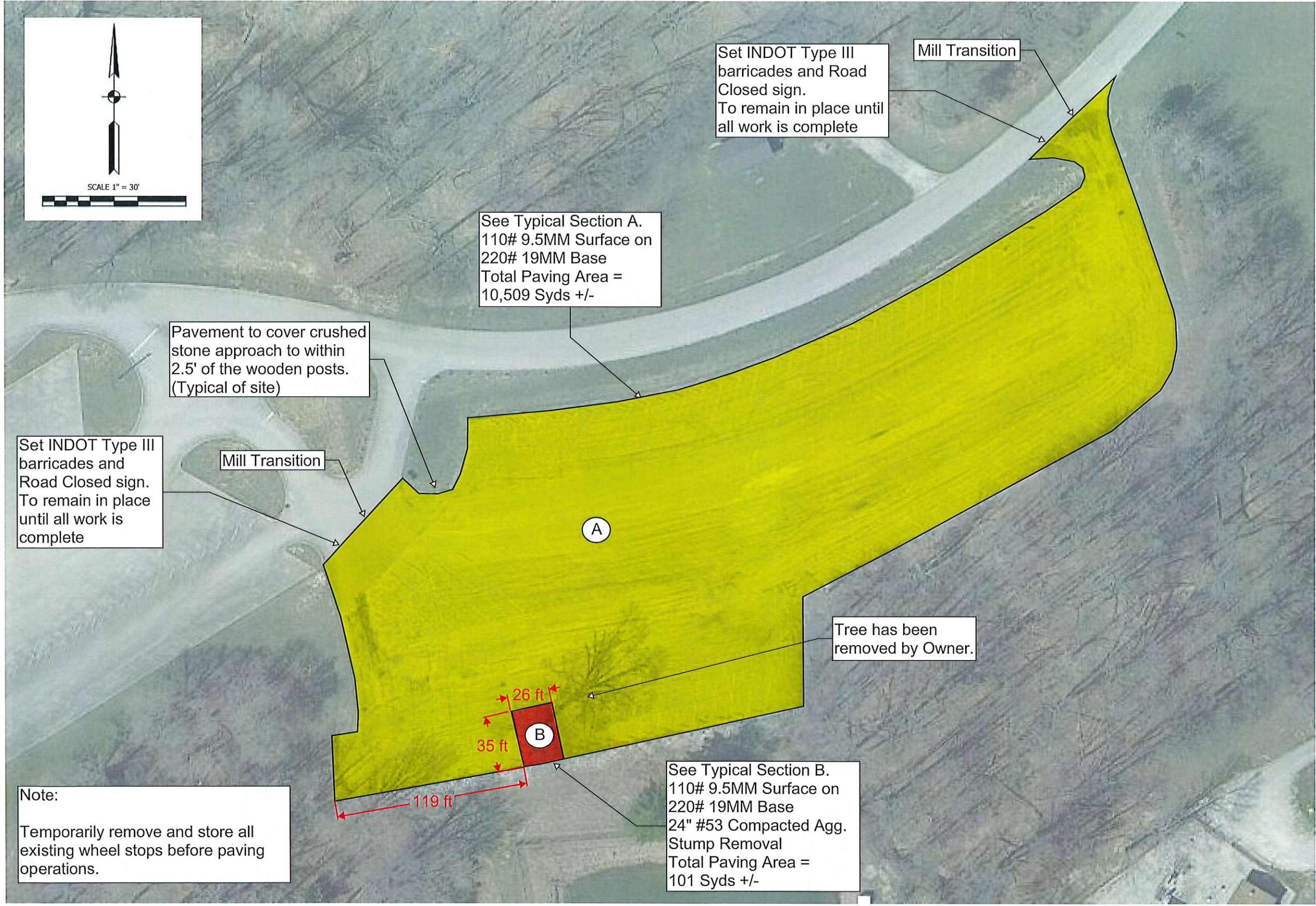
FILE NO: 17-10654  
 CLIENT NAME:  
 DNR - PAYNETOWN SRA  
 PROJ. NO. ENG1801724495

PROJECT DESCRIPTION:  
 BOAT & VEHICLE PARKING  
 PAVING PROJECTS - 2018

SHEET TITLE:  
 BOAT PARKING #2  
 PAVEMENT DETAIL

DESIGN PHASE:  
 BIDDING PLANS

SHEET NUMBER:  
**3**



See Typical Section A.  
 110# 9.5MM Surface on  
 220# 19MM Base  
 Total Paving Area =  
 10,509 Syds +/-

Pavement to cover crushed  
 stone approach to within  
 2.5' of the wooden posts.  
 (Typical of site)

Set INDOT Type III  
 barricades and  
 Road Closed sign.  
 To remain in place  
 until all work is  
 complete

Set INDOT Type III  
 barricades and Road  
 Closed sign.  
 To remain in place until  
 all work is complete

Tree has been  
 removed by Owner.

See Typical Section B.  
 110# 9.5MM Surface on  
 220# 19MM Base  
 24" #53 Compacted Agg.  
 Stump Removal  
 Total Paving Area =  
 101 Syds +/-

Note:  
 Temporarily remove and store all  
 existing wheel stops before paving  
 operations.

Notes:

Reset wheel stops after paving, using only full undamaged stops without spalling or cracking. Contractor to supply new as needed and replace any damaged during removal.

All pavement marking to be white paint. Parking spaces to be striped at 4" (Typical)

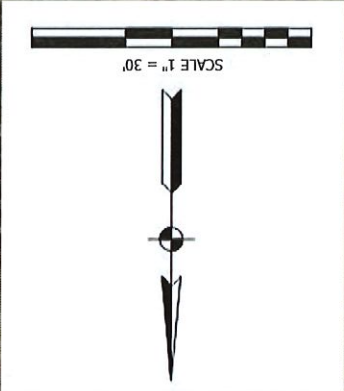
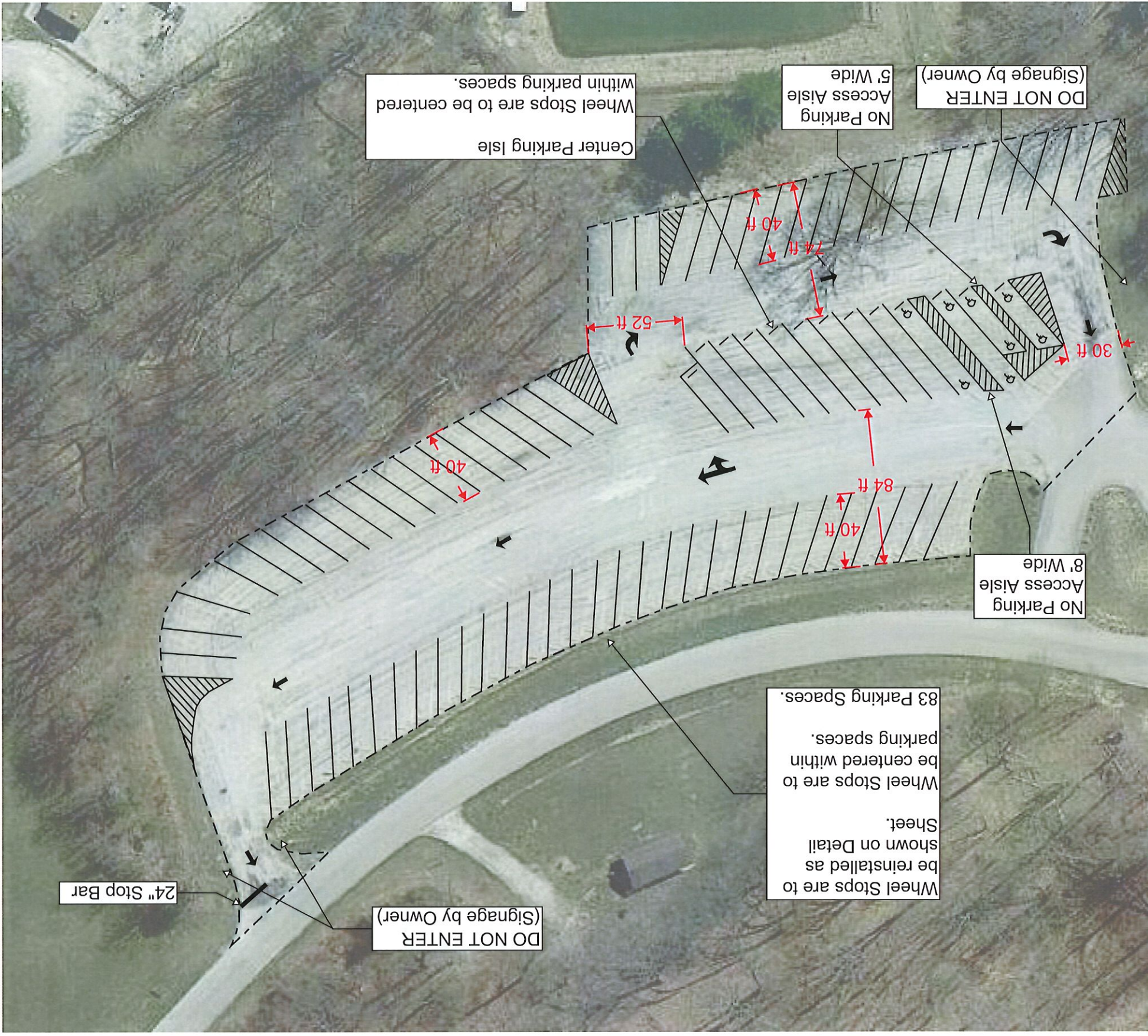
All parking spaces to be marked at 12' wide. (Typical)

Perimeter parking areas are 40' long face of the curb perpendicular to end of striping.

Center parking areas length as shown.

Directional arrow and ADA pavement markings are to be installed as shown. IMUTCD Spec. (Typical)

Parking lot border shown for reference only, do not stripe. All signage to be installed by Owner.



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**NOTES:**

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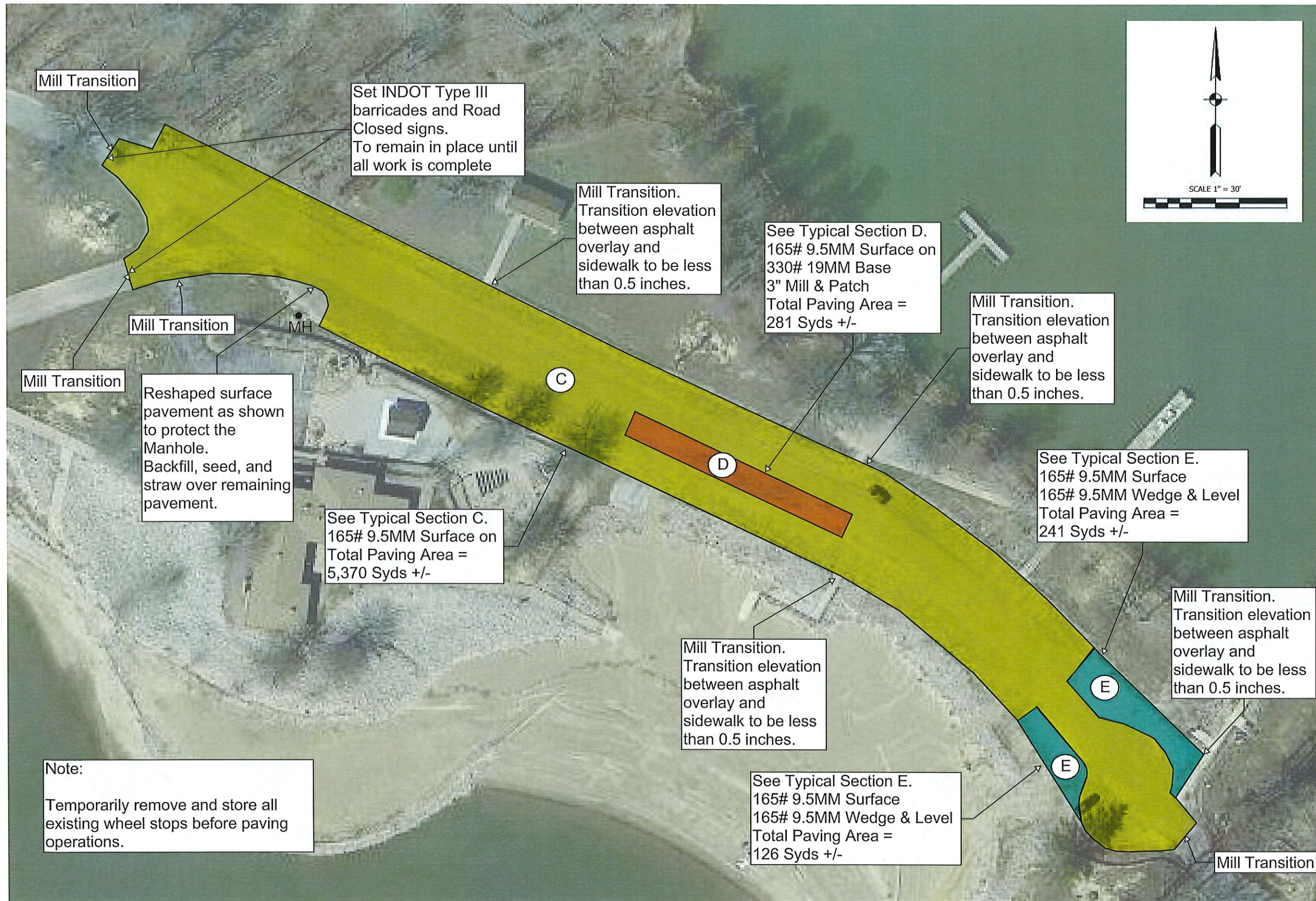
1302 Race Street  
 New Castle, IN 47362  
 P: (765) 575-4056

77 1/2 Henry Street  
 North Vernon, IN 47265  
 P: (812) 346-2045  
 www.fppbhonline.com

SCALE: 1" = 30'

DRAWN BY: JDS  
 CHECKED BY: BRB  
 DATE: February 16, 2018  
 REVISION: Drawn By Date

FILE NO: 17-10654  
 CLIENT NAME: DNR - PAVNETOWN SRA  
 PROJ. NO. ENGI1801724495  
 PROJECT DESCRIPTION: BOAT & VEHICLE PARKING PAVING PROJECTS - 2018  
 SHEET TITLE: BOAT PARKING #2 PAVEMENT MARKINGS  
 DESIGN PHASE: BIDDING PLANS  
 SHEET NUMBER: 4



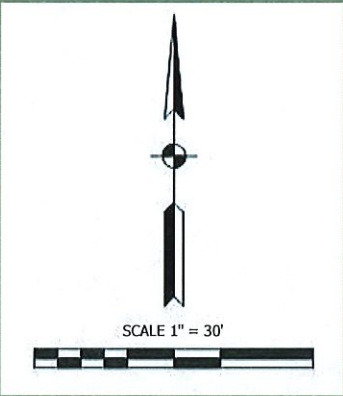
Mill Transition

Set INDOT Type III barricades and Road Closed signs. To remain in place until all work is complete

Mill Transition. Transition elevation between asphalt overlay and sidewalk to be less than 0.5 inches.

See Typical Section D. 165# 9.5MM Surface on 330# 19MM Base 3" Mill & Patch Total Paving Area = 281 Syds +/-

Mill Transition. Transition elevation between asphalt overlay and sidewalk to be less than 0.5 inches.



Mill Transition

MH

Mill Transition

Reshaped surface pavement as shown to protect the Manhole. Backfill, seed, and straw over remaining pavement.

See Typical Section C. 165# 9.5MM Surface on Total Paving Area = 5,370 Syds +/-

See Typical Section E. 165# 9.5MM Surface 165# 9.5MM Wedge & Level Total Paving Area = 241 Syds +/-

Mill Transition. Transition elevation between asphalt overlay and sidewalk to be less than 0.5 inches.

Mill Transition. Transition elevation between asphalt overlay and sidewalk to be less than 0.5 inches.

See Typical Section E. 165# 9.5MM Surface 165# 9.5MM Wedge & Level Total Paving Area = 126 Syds +/-

Note:  
Temporarily remove and store all existing wheel stops before paving operations.

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 1302 Race Street  
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 www.fpbhonline.com

72 Henry Street  
 North Vernon, IN 47265  
 P: (812) 346-2045

SCALE: 1" = 30'  
 DRAWN BY: JDS  
 CHECKED BY: BRB  
 DATE: February 16, 2018

Revision	Drawn By	Date

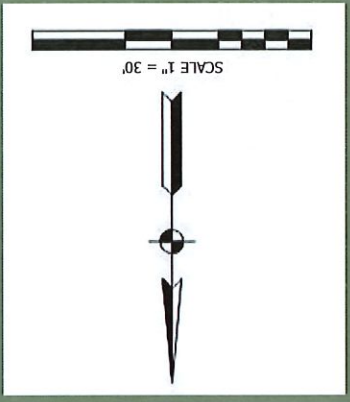
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 CLIENT NAME:  
 DNR - PAYNETOWN SRA  
 PROJ. NO. ENGL801724495  
 PROJECT DESCRIPTION:  
 BOAT & VEHICLE PARKING  
 PAVING PROJECTS - 2018

SHEET TITLE:  
 BEACH PARKING  
 PAVEMENT DETAIL

DESIGN PHASE:  
 BIDDING PLANS

SHEET NUMBER:  
**5**

Notes:  
 Temporarily remove and store all existing wheel stops before paving operations.  
 Reset wheel stops after paving, using only full undamaged stops without spalling or cracking. Contractor to supply new as needed and replace any damaged during removal.  
 All pavement marking to be white paint. Parking spaces to be striped at 4" (Typical)  
 All parking spaces to be marked at 10' wide and 20' long. (Typical)  
 ADA pavement markings are to be installed as shown. MUTCD Spec. (Typical)  
 Parking lot border shown for reference only, do not stripe. All signage to be installed by Owner.



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**NOTES:**

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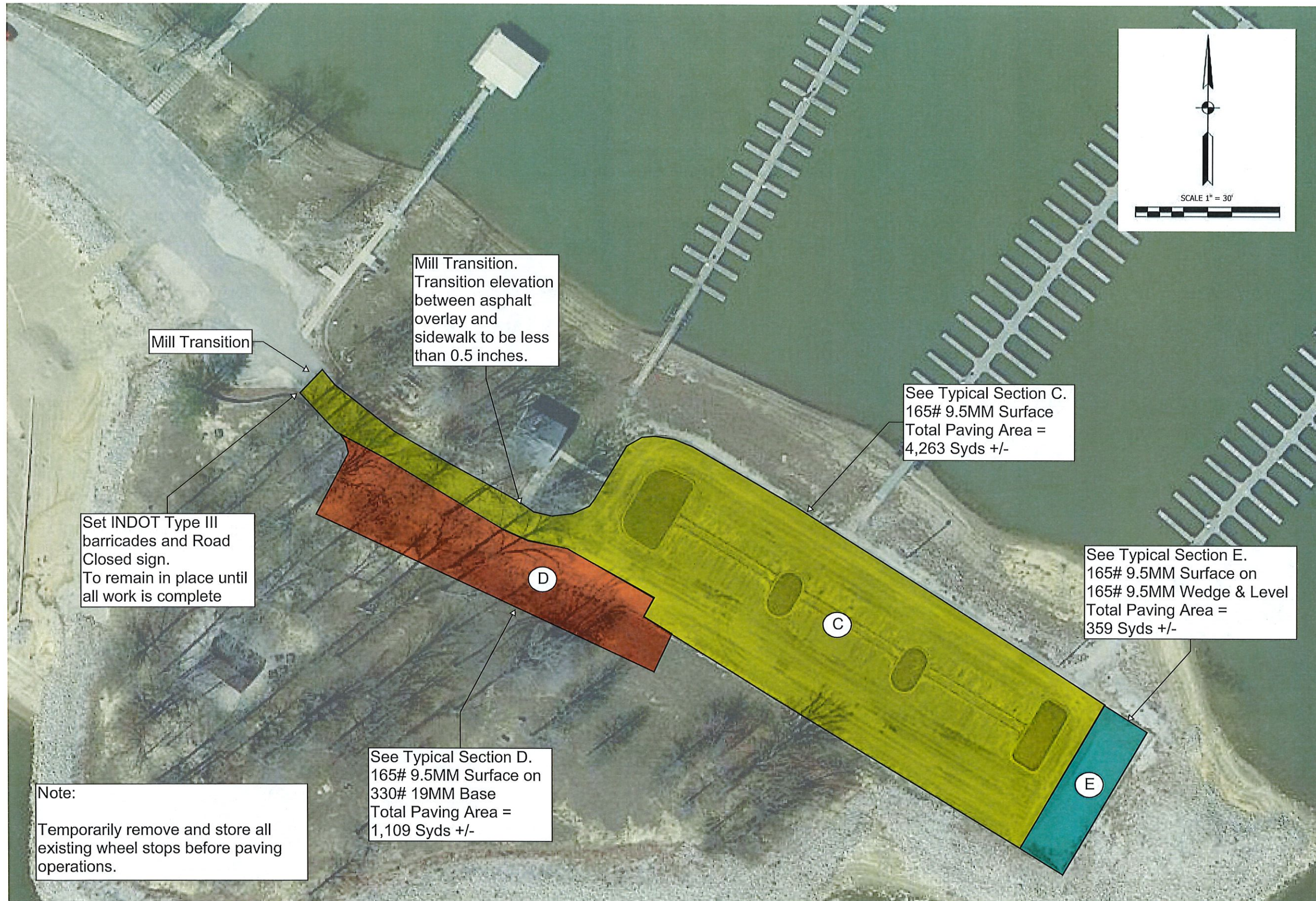
1302 Race Street  
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 P: (765) 575-4056



SCALE: 1" = 30'

DRAWN BY: JDS  
 CHECKED BY: BRB  
 DATE: February 16, 2018  
 REVISION  
 Drawn By  
 Date

FILE NO: 17-10654  
 CLIENT NAME: DNR - PAYMETOWN SRA  
 PROJ. NO. ENGI1801724495  
 PROJECT DESCRIPTION: BOAT & VEHICLE PARKING  
 SHEET TITLE: BEACH PARKING PAVEMENT MARKINGS  
 DESIGN PHASE: BIDDING PLANS  
 SHEET NUMBER: 6



Mill Transition

Mill Transition.  
Transition elevation  
between asphalt  
overlay and  
sidewalk to be less  
than 0.5 inches.

See Typical Section C.  
165# 9.5MM Surface  
Total Paving Area =  
4,263 Syds +/-

See Typical Section E.  
165# 9.5MM Surface on  
165# 9.5MM Wedge & Level  
Total Paving Area =  
359 Syds +/-

Set INDOT Type III  
barricades and Road  
Closed sign.  
To remain in place until  
all work is complete

See Typical Section D.  
165# 9.5MM Surface on  
330# 19MM Base  
Total Paving Area =  
1,109 Syds +/-

Note:  
Temporarily remove and store all  
existing wheel stops before paving  
operations.

**GENERAL NOTE:**  
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state, local, and federal codes &  
requirements, including but not limited to  
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72 Henry Street  
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www.fpbhinc.com

1302 Race Street  
New Castle, IN 47362  
P: (765) 575-4056

REGISTERED PROFESSIONAL ENGINEER  
No. 60900038  
STATE OF INDIANA  
2-16-18  
*Ronald C. Haugan*

SCALE: 1" = 30'

DRAWN BY: JDS

CHECKED BY: BRB

DATE: February 16, 2018

Revision	Drawn By	Date

FILE NO: 17-10654  
CLIENT NAME:  
DNR - PAYNETOWN SRA  
PROJ. NO. ENGL801724495

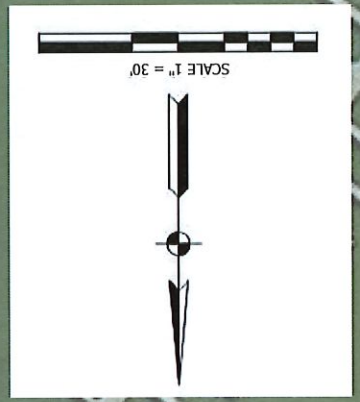
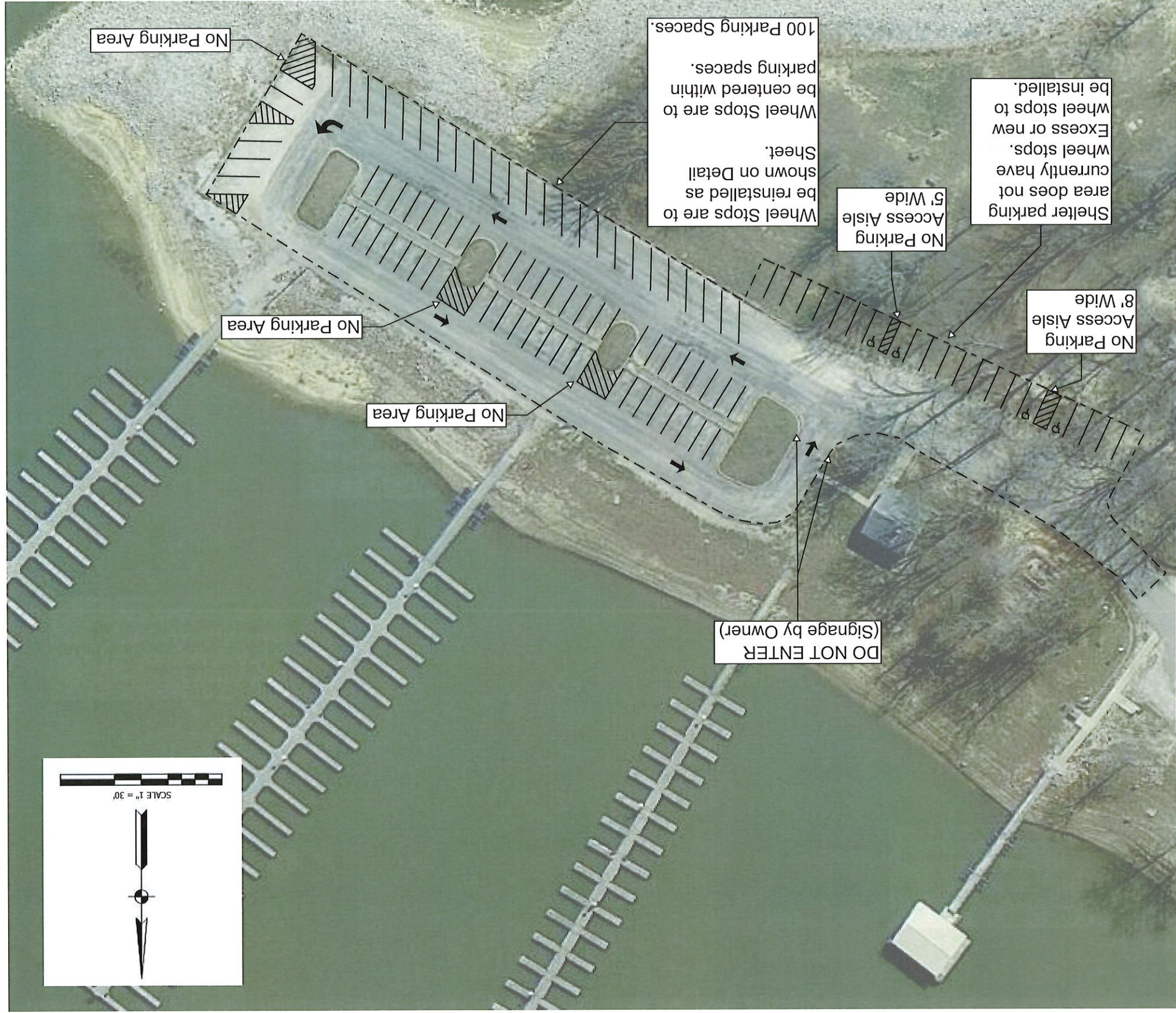
PROJECT DESCRIPTION:  
BOAT & VEHICLE PARKING  
PAVING PROJECTS - 2018

SHEET TITLE:  
MARINA PARKING  
PAVEMENT DETAIL

DESIGN PHASE:  
BIDDING PLANS

SHEET NUMBER:  
**7**

Notes:  
 Temporarily remove and store all existing wheel stops before paving operations.  
 Reset wheel stops after paving, using only full undamaged stops without spalling or cracking. Contractor to supply new as needed and replace any damaged during removal.  
 All pavement marking to be white paint. Parking spaces to be striped at 4" (Typical)  
 90° parking spaces along the shelter area are to be marked at 10' wide and 20' long. (Typical)  
 60° parking spaces are to be marked at 10' wide and 24' long. (Typical)  
 90° parking spaces within the curbed area are to be marked at 9' wide and 20' long. (Typical)  
 Directional arrow and ADA pavement markings are to be installed as shown. MUTCD Spec. (Typical)  
 Parking lot border shown for reference only, do not stripe.  
 All signage to be installed by Owner.



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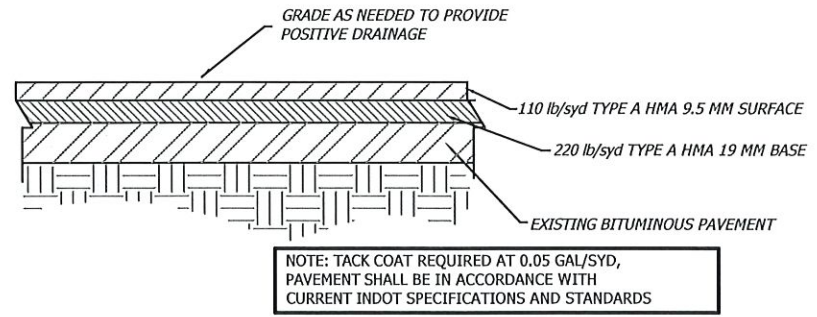
Professional Engineer Seal for State of Indiana, No. 60900038, dated 2-16-18.

SCALE: 1" = 30'

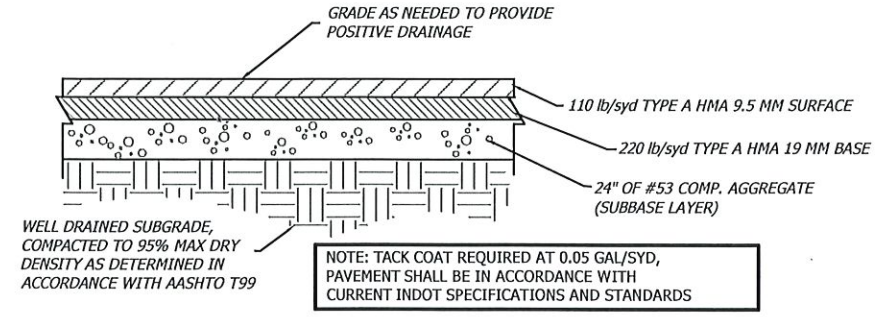
DRAWN BY: JDS  
 CHECKED BY: BRB  
 DATE: February 16, 2018  
 REVISION: Drawn By Date

FILE NO: 17-10654  
 CLIENT NAME: DNR - PAYMETOWN SRA  
 PROJ. NO. ENGL801272495  
 PROJECT DESCRIPTION: BOAT & VEHICLE PARKING MARINA PARKING PAVING PROJECTS - 2018  
 SHEET TITLE: PAVEMENT MARKINGS  
 DESIGN PHASE: BIDDING PLANS  
 SHEET NUMBER: 8



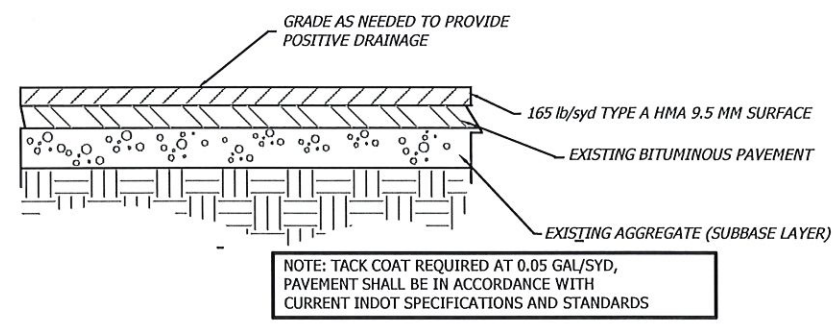


**A** BOAT PARKING #2  
HMA SURFACE SECTION  
NOT TO SCALE

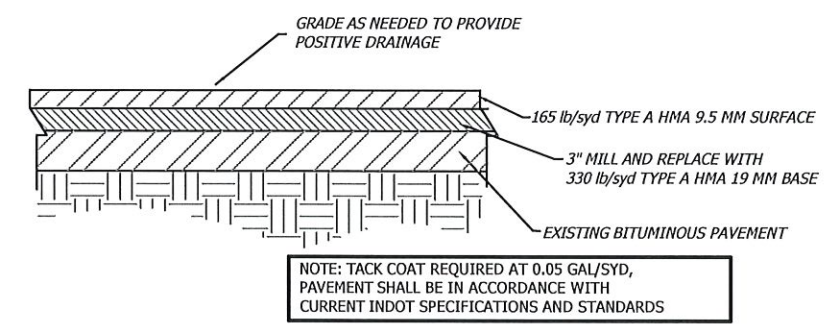


**B** BOAT PARKING #2  
HMA BASE PATCHING SECTION  
NOT TO SCALE

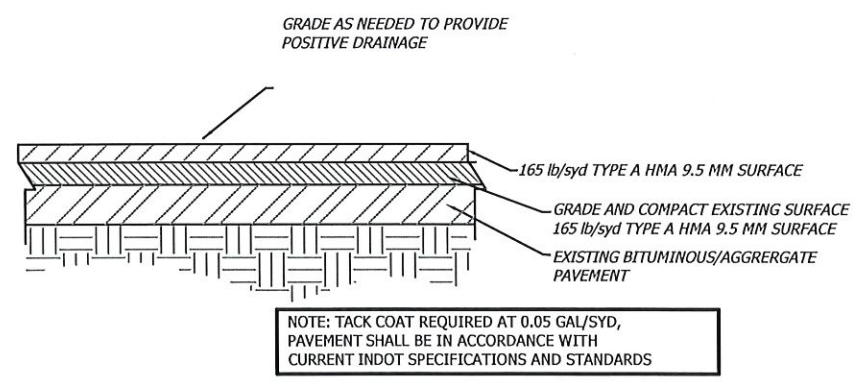
NOTES:  
1) REMOVE EXISTING STUMP AND ROOTS.



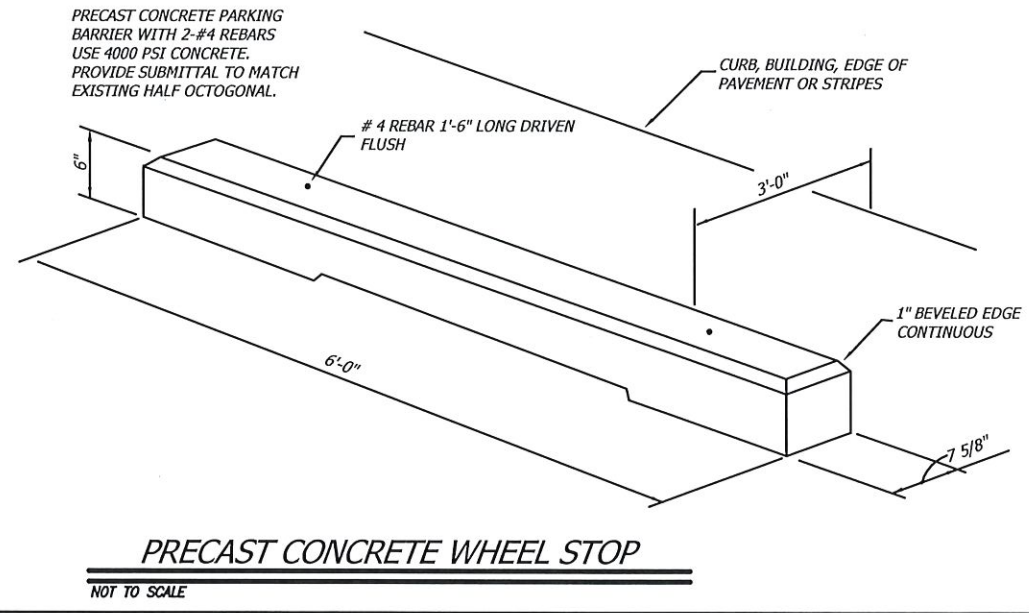
**C** BEACH & MARINA PARKING  
HMA SURFACE SECTION  
NOT TO SCALE



**D** BEACH & MARINA PARKING  
HMA BASE PATCHING SECTION  
NOT TO SCALE



**E** BEACH & MARINA PARKING  
HMA WEDGE & LEVEL SECTION  
NOT TO SCALE



PRECAST CONCRETE WHEEL STOP  
NOT TO SCALE

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P: (812) 346-2045

REGISTERED PROFESSIONAL ENGINEER  
No. 60900038  
STATE OF INDIANA  
2-16-18  
*Paul C. Hays*

SCALE: DNS  
DRAWN BY: JDS  
CHECKED BY: BRB  
DATE: February 16, 2018

Revision	Drawn By	Date

FILE NO: 17-10654  
CLIENT NAME:  
DNR - PAYNETOWN SRA  
PROJ. NO. ENG180172495  
PROJECT DESCRIPTION:  
BOAT & VEHICLE PARKING  
PAVING PROJECTS  
SHEET TITLE:  
CONSTRUCTION DETAILS

DESIGN PHASE:  
BIDDING PLANS

SHEET NUMBER:  
**9**

