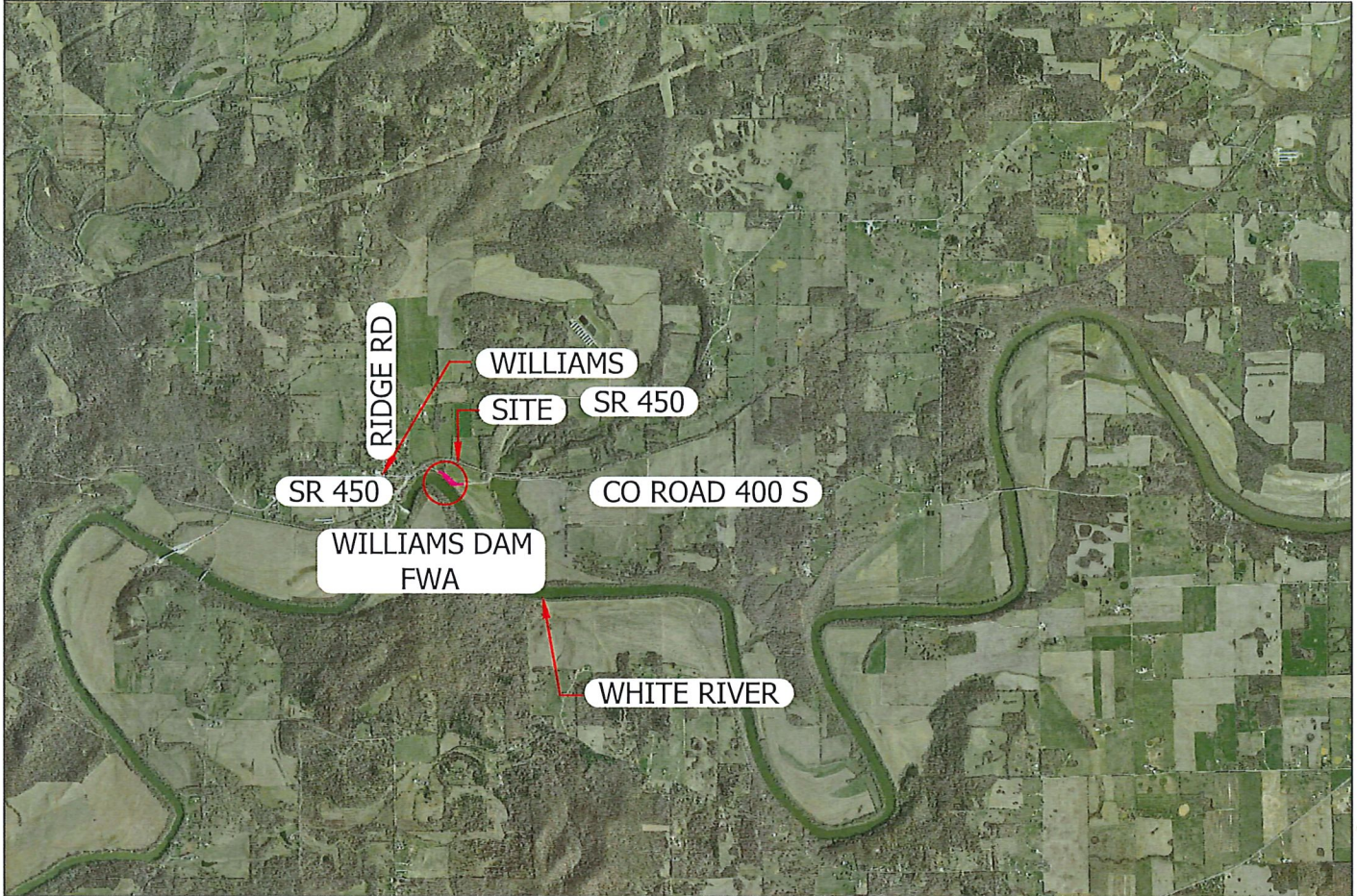




INDIANA DEPARTMENT OF NATURAL RESOURCES
WILLIAMS DAM FISH AND WILDLIFE AREA
SPICE VALLEY PUBLIC ACCESS SITE
LAWRENCE COUNTY

1" = 5000'



Jonathan M. Kipling
07/20/2018

DRIVING DIRECTIONS:

From Indianapolis, take Indiana State Road 37 South to 16th Street in Bedford. Turn right onto 16th Street and then in 0.2 miles turn left onto Williams Road/ Indiana State Road 450 West. Take Indiana State Road 450 W approximately 8.5 miles to the site.



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VICINITY MAP
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE: As Noted
DATE: 07/20/2018
DRAWN BY: JKS
PROJECT#: 18-3909
DRAWING: C 4.1



1" = 100'



BUILDING



CENTERLINE OF ROADWAY



EDGE OF PAVEMENT



EDGE OF GRAVEL



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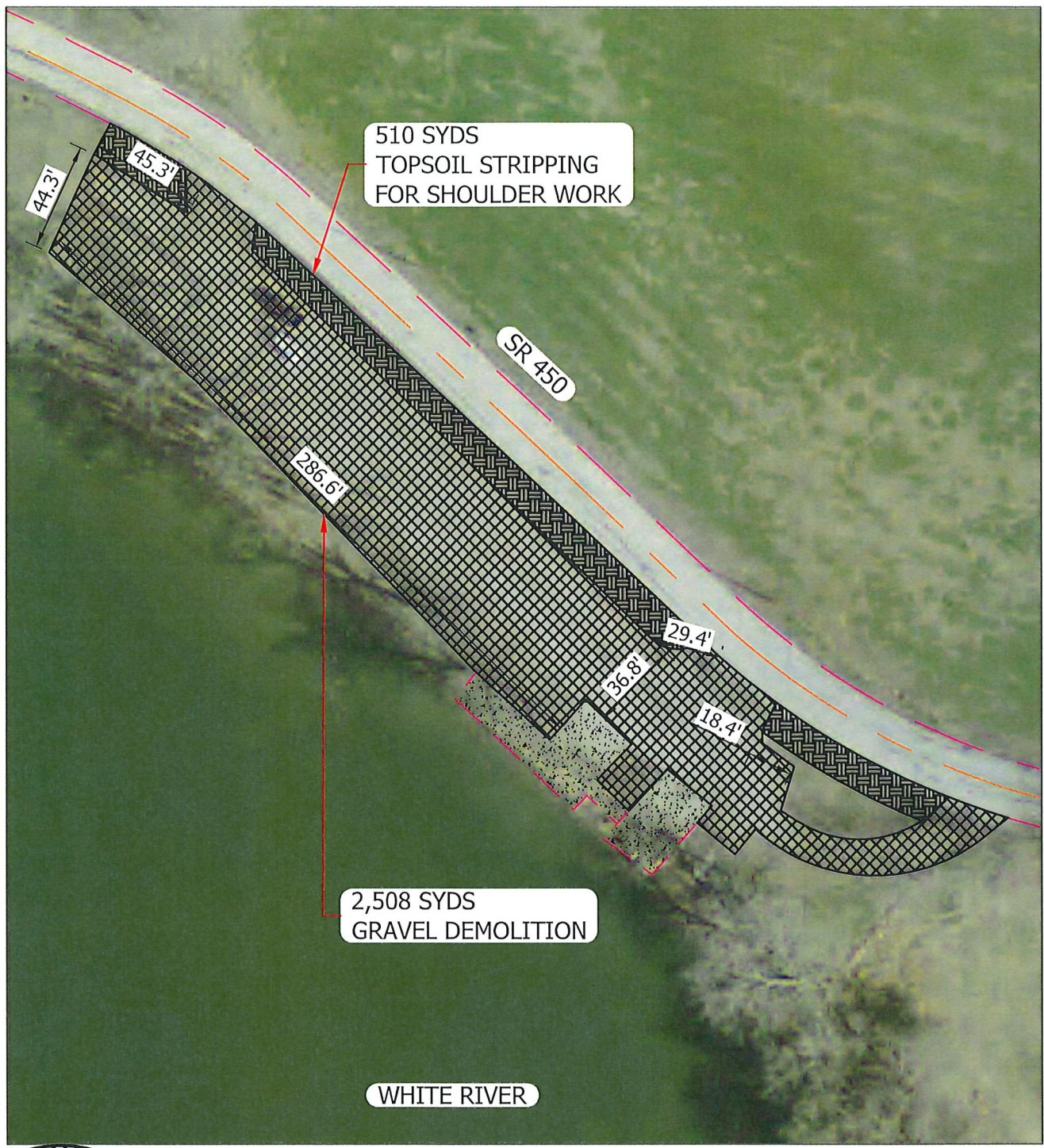
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EXISTING SITE
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE:	As Noted
DATE:	07/20/2018
DRAWN BY:	JKS
PROJECT #:	18-3909
DRAWING:	C 4.2



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07/20/2018



GRAVEL DEMOLITION AREA

SHOULDER TOPSOIL REMOVAL

- DEMOLITION NOTES:
1. EXISTING CONCRETE PADS AND APRONS TO REMAIN.
 2. GRAVEL SURFACE TO BE POTHOLED FOR TOTAL ROCK DEPTH, SCRAPED A NOMINAL 1/2" DEPTH, AND PATCHED WHERE NECESSARY PRIOR TO ANY HMA SURFACE PLACEMENT. COORDINATE WITH SITE MANAGER FOR WASTE DISPOSAL AREA.

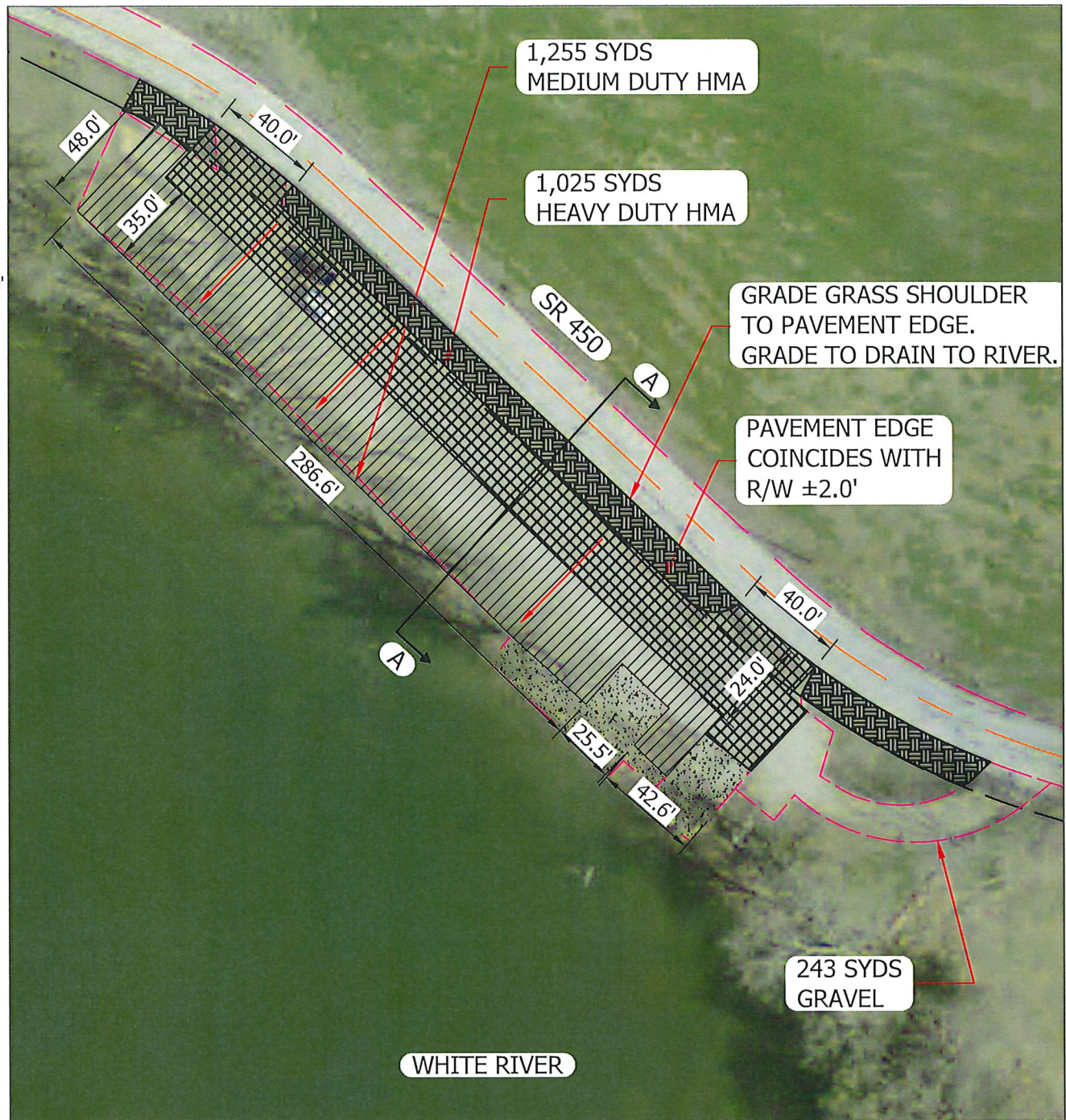
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DEMOLITION PLAN
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE: As Noted
DATE: 07/20/2018
DRAWN BY: JKS
PROJECT#: 18-3909
DRAWING: C 4.3



-  HEAVY DUTY HMA PAVING
-  MEDIUM DUTY HMA PAVING
-  SHOULDER BACKFILL
-  DIRECTION OF SURFACE RUNOFF

GENERAL NOTES:

1. EXISTING CONCRETE APRONS AND PADS TO REMAIN.
2. MATCH EXISTING GRADES AND DRAINAGE PATTERNS.
3. SEE SHEET C 4.6 FOR SECTION A-A.



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07/20/2018

PAVING AND PATCHING PLAN
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE: As Noted
DATE: 07/20/2018
DRAWN BY: JKS
PROJECT#: 18-3909
DRAWING: C 4.4



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VAN AND PASSENGER VEHICLE
ADA PARKING WITH STRIPING.

WHITE RIVER

GENERAL NOTES:

1. SEE SHEET C 13.5 FOR ADA STALL STRIPING AND SIGNAGE REQUIREMENTS.
2. NOMINAL PARKING WITH BOAT TRAILERS IS 12' WIDE BY 40' DEEP AT A 45° SKEW.



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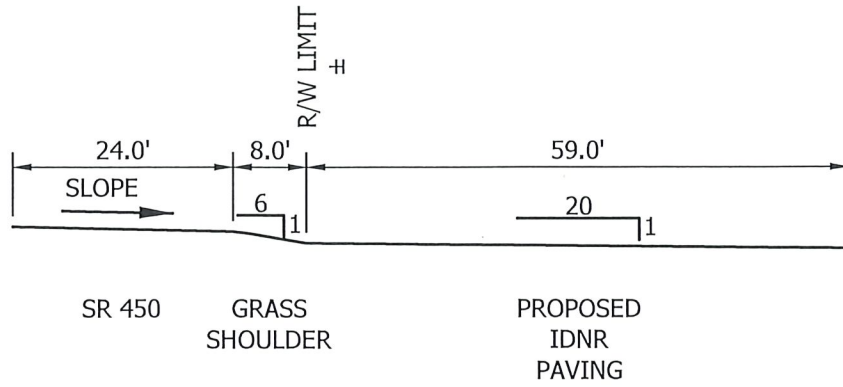
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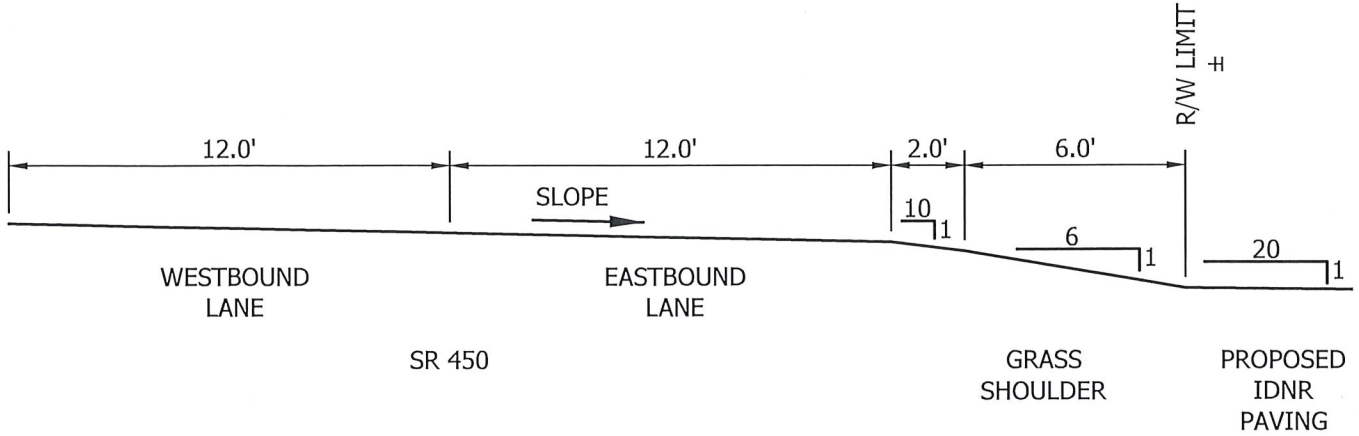
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PAVEMENT MARKING PLAN
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE:	As Noted
DATE:	07/20/2018
DRAWN BY:	JKS
PROJECT#:	18-3909
DRAWING:	C 4.5



1" = 20'



1" = 5'

GENERAL NOTES:

1. SR 450 IS A MAXIMUM 24' WIDE ASPHALT ROADWAY WITH TWO LANES, NO CURB, AND GRASS SHOULDER.
2. SR 450 IS SUPER ELEVATED ALONG THE PROJECT FRONTAGE.
3. PROPOSED IMPROVEMENTS PROVIDE A NOMINAL 8' GRASS SHOULDER.
4. HIGHWAY DRAINAGE CONTINUES HISTORIC PATTERN OF DRAINING OFF THE PAVEMENT TO THE SOUTH AND ACROSS IDNR PUBLIC ACCESS SITE TO WHITE RIVER.



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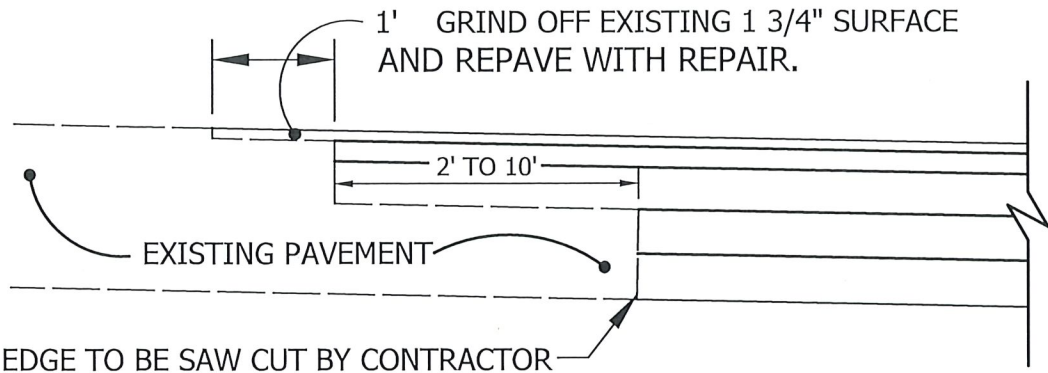


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SECTION A-A
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE: As Noted
DATE: 07/20/2018
DRAWN BY: JKS
PROJECT#: 18-3909
DRAWING: C 4.6

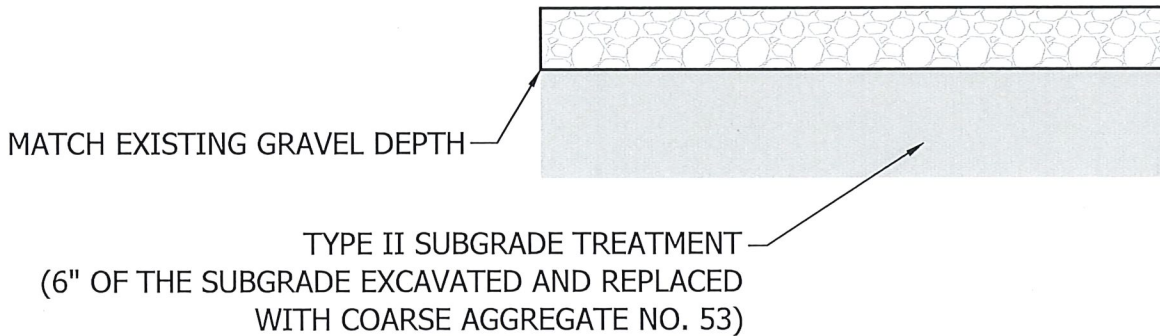


ALL EXISTING BITUMINOUS SURFACES THAT MEET WITH THE NEW BITUMINOUS SURFACES SHALL BE CLEANED AND COVERED WITH ASPHALT EMULSION TACK (AE-T) PER INDOT STANDARDS.
(MAY BE DELETED BY THE ENGINEER)

MILLING SHALL CONFORM TO SEC. 306 OF INDOT SPECS.

ASPHALT JOINT DETAIL

NTS



GRAVEL PATCH & REPAIR

NTS



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07/20/2018

MATERIALS, PAY ITEMS, AND STANDARDS SHALL MEET 2018 INDIANA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, UNLESS NOTED OTHERWISE.

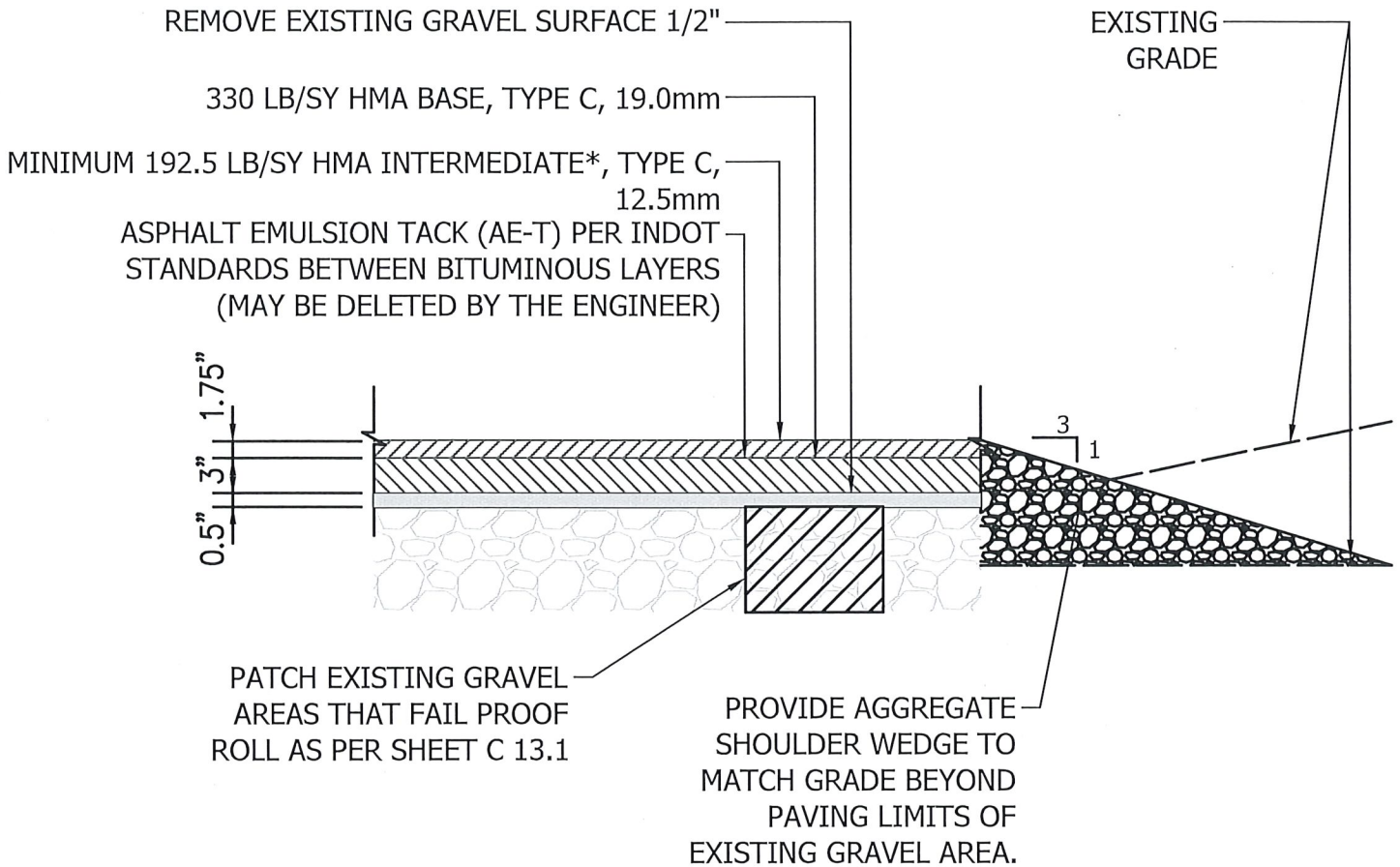


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DETAIL SHEET
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE: As Noted
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DRAWN BY: JKS
PROJECT#: 18-3909
DRAWING: C 13.1



*IN AREAS OF EXISTING ASPHALT AND/OR CONCRETE TO BE MILLED AND RESURFACED, 192.5 LB/SYD HMA INTERMEDIATE, TYPE C, 12.5 mm SHALL BE USED FOR FINAL SURFACE. CONTRACTOR SHALL REPAIR ALL PAVEMENT CRACKS EQUAL TO OR GREATER THAN 1/4" IN WIDTH WITHIN EXISTING ASPHALT.

MILLING SHALL CONFORM TO SEC. 306 OF INDOT SPECS.

CRACK REPAIR AND FILLING SHALL CONFORM TO SEC. 408 OF INDOT SPECS.

HMA SURFACING OF EXISTING AGGREGATE

NTS



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MATERIALS, PAY ITEMS, AND STANDARDS SHALL MEET 2018 INDIANA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, UNLESS NOTED OTHERWISE.



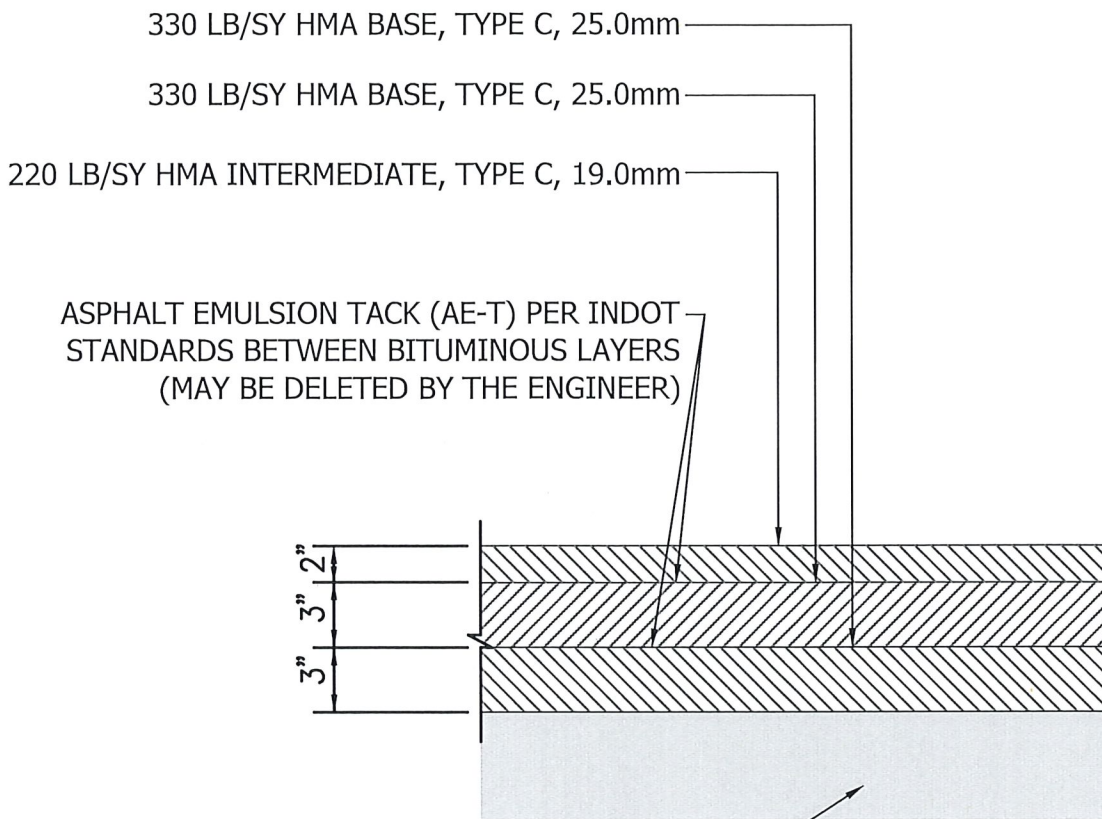
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DETAIL SHEET
Indiana Dept. of Natural Resources
Public Access Sites
Improvement Projects

SCALE: As Noted
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PROJECT#: 18-3909
DRAWING: C 13.2



TYPE II SUBGRADE TREATMENT*
 (6" OF THE SUBGRADE EXCAVATED AND REPLACED
 WITH COARSE AGGREGATE NO. 53)

* IF SUBGRADE FAILS PROOF ROLLING, REPLACE
 SUBGRADE TREATMENT II WITH TYPE IV
 SUBGRADE TREATMENT.

STANDARD AND MEDIUM DUTY HMA PAVEMENT

NTS



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 07/20/2018

MATERIALS, PAY ITEMS, AND STANDARDS SHALL MEET
 2018 INDIANA DEPARTMENT OF TRANSPORTATION
 SPECIFICATIONS, UNLESS NOTED OTHERWISE.



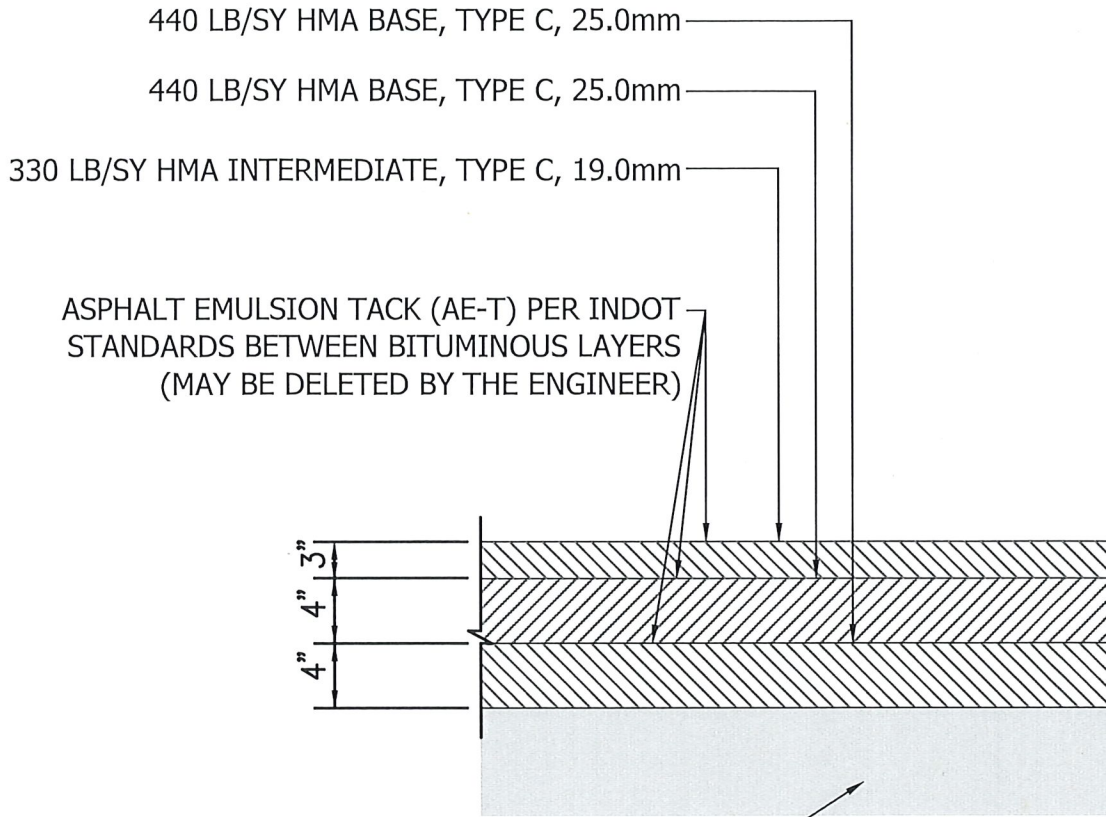
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DETAIL SHEET
 Indiana Dept. of Natural Resources
 Public Access Sites
 Improvement Projects

SCALE: As Noted
 DATE: 07/20/2018
 DRAWN BY: JKS
 PROJECT#: 18-3909
 DRAWING: C 13.3



TYPE IC SUBGRADE TREATMENT*
 (12" OF THE SUBGRADE EXCAVATED AND REPLACED
 WITH COARSE AGGREGATE NO. 53)

* IF SUBGRADE FAILS PROOF ROLLING, REPLACE
 SUBGRADE TREATMENT IC WITH TYPE IV
 SUBGRADE TREATMENT.

HEAVY DUTY HMA PAVEMENT

NTS



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MATERIALS, PAY ITEMS, AND STANDARDS SHALL MEET
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DETAIL SHEET
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PROJECT#:	18-3909
DRAWING:	C 13.4



R7-8
12"X18"



12"X6"

MOUNT BENEATH R7-8a FOR VAN ACCESSIBLE SPACES

NOTE:

1. REFLECTIVE BLUE BACKGROUND WHITE LETTERING AND SYMBOL LETTERING MINIMUM 1" HEIGHT.
2. SIGN TO BE MOUNTED ON 2" METAL POST.
3. ONE SIGN PER ACCESSIBLE SPACE.
4. VAN ACCESSIBLE SIGN TO BE MOUNTED BELOW STANDARD ACCESSIBLE SIGN WHERE SPECIFIED ON PLANS. COLORING TO MATCH.
5. SEE DETAIL SHEET C 13.6 FOR ADA SIGN MOUNTING

ADA PARKING SIGN (TYP.)

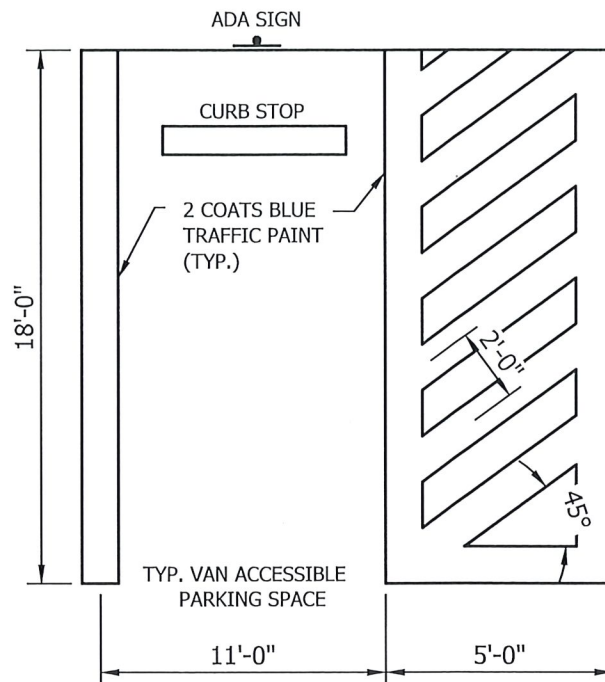
NTS

GENERAL NOTES:

1. PAVEMENT MARKINGS ARE TYPICAL 4" WIDTH FOR STRIPING AND ADA SYMBOL.
2. TRAFFIC PAINT APPLICATIONS REQUIRE A MINIMUM OF TWO COATS.
3. ADA STRIPING SHALL BE BLUE AS PER IAC 5-16-9.
4. PASSENGER VEHICLES MAY SHARE THE VAN LOADING ACCESS AISLE WHEN ADJACENT TO EACH OTHER.
5. SLOPES WITHIN THE PARKING STALL, ACCESS AISLE, AND PATH OF TRAVEL SHALL NOT EXCEED 2.0% SLOPES. RAMPS SHALL NOT EXCEED 12:1 SLOPES WITH A MAXIMUM DISTANCE OF 6'-0".



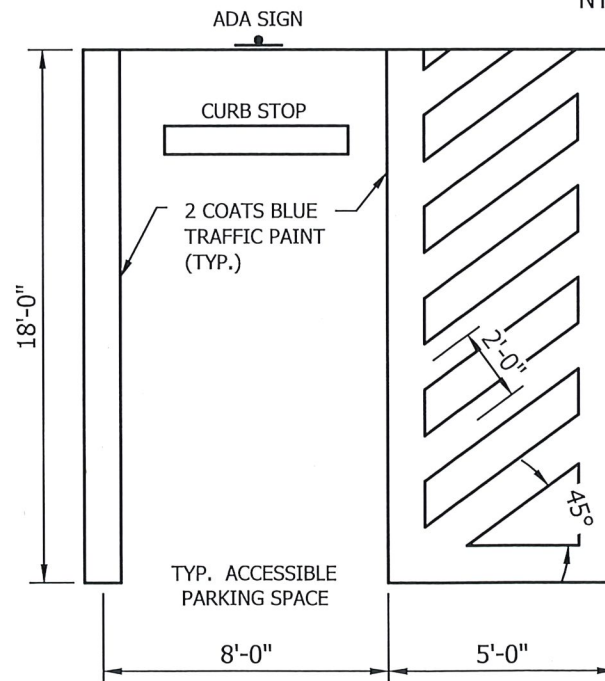
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CURB STOPS 2.5' OFF OF EDGE OF PAVEMENT (TYP.)

ADA PARKING STALL (VAN)

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CURB STOPS 2.5' OFF OF EDGE OF PAVEMENT (TYP.)

ADA PARKING STALL (CAR)

NTS



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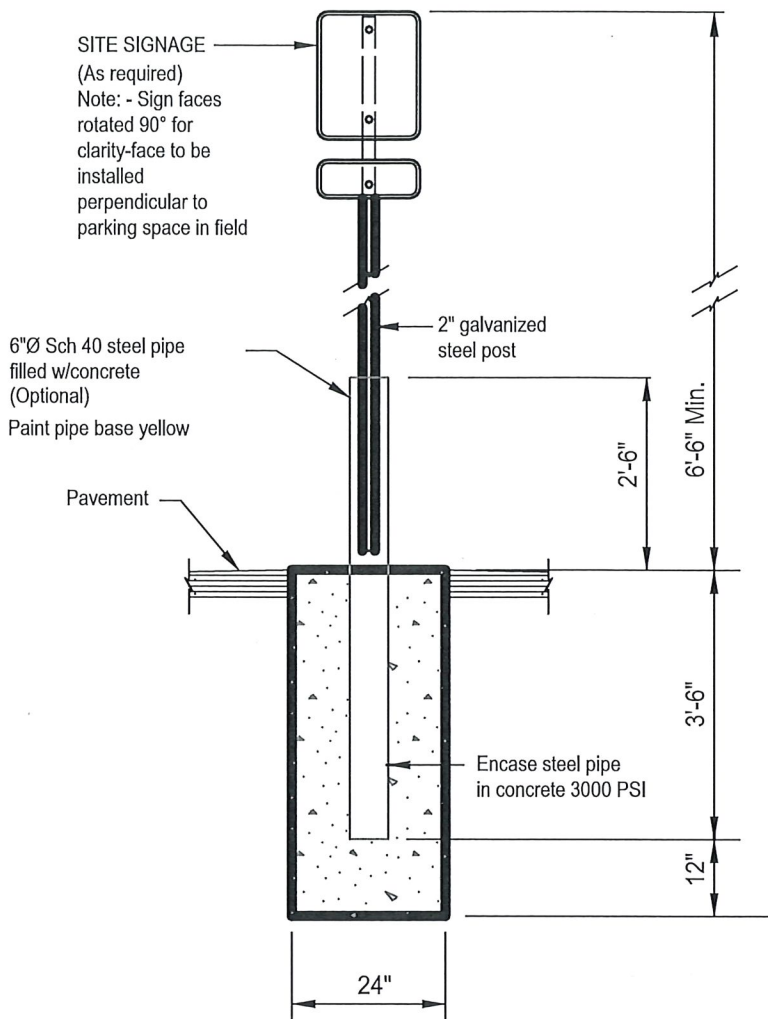
DETAIL SHEET
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Public Access Sites
Improvement Projects

SCALE: As Noted
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DRAWN BY: JKS
PROJECT#: 18-3909
DRAWING: C 13.5



NOTE:

1. REFLECTIVE WHITE BACKGROUND RED LETTERING AND SYMBOL LETTERING MINIMUM 1" HEIGHT.
2. SIGN TO BE MOUNTED ON 2" METAL POST.
3. ONE SIGN PER SPACE.
4. SEE DETAIL SHEET C 13.6 FOR SIGN MOUNTING REQUIREMENTS.



NO PARKING SIGN (TYP.)

SIGN POST MOUNTING (TYP.)

NTS



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07/20/2018

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