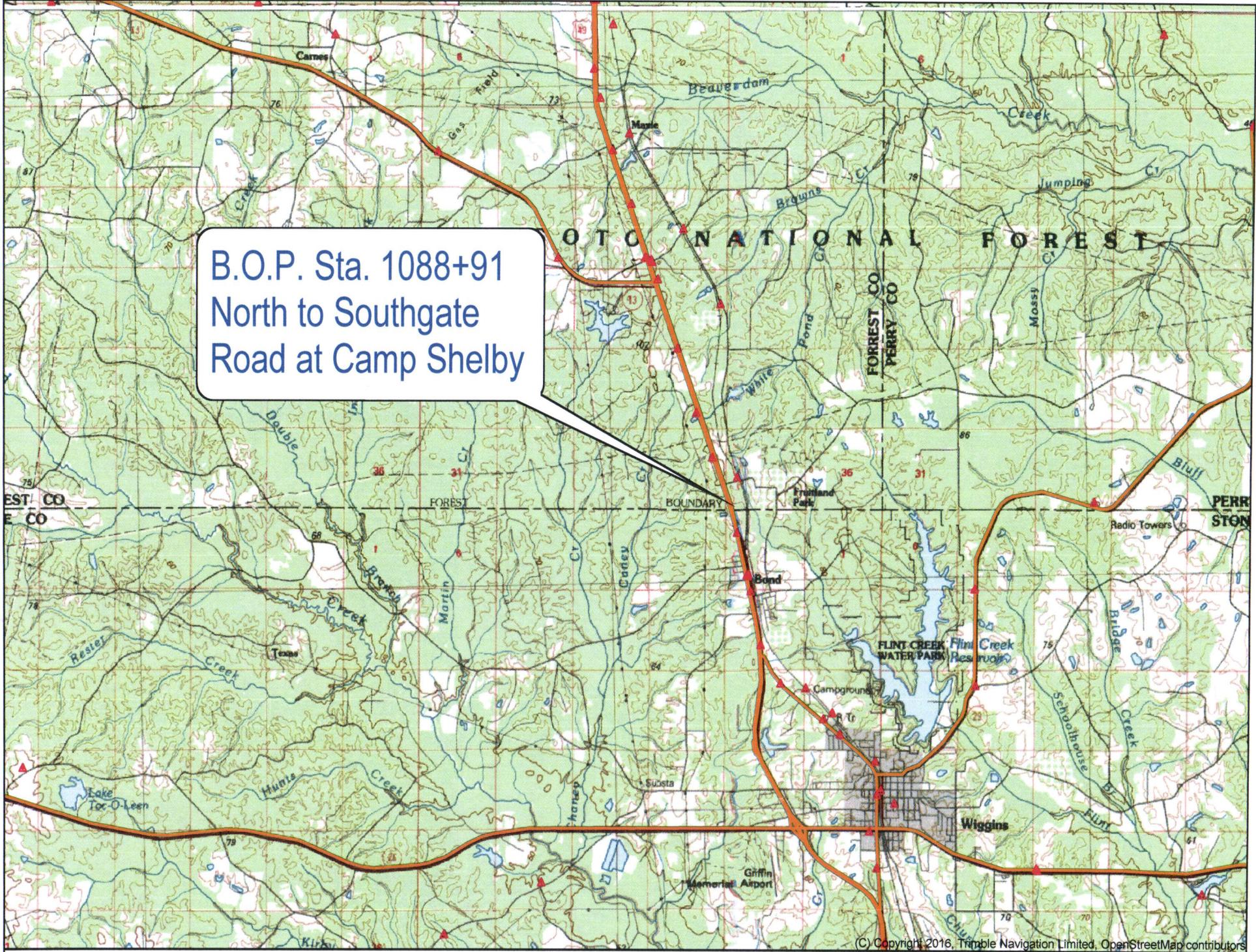


Forrest 49

HSIP-0008-00(005); 107464-301000

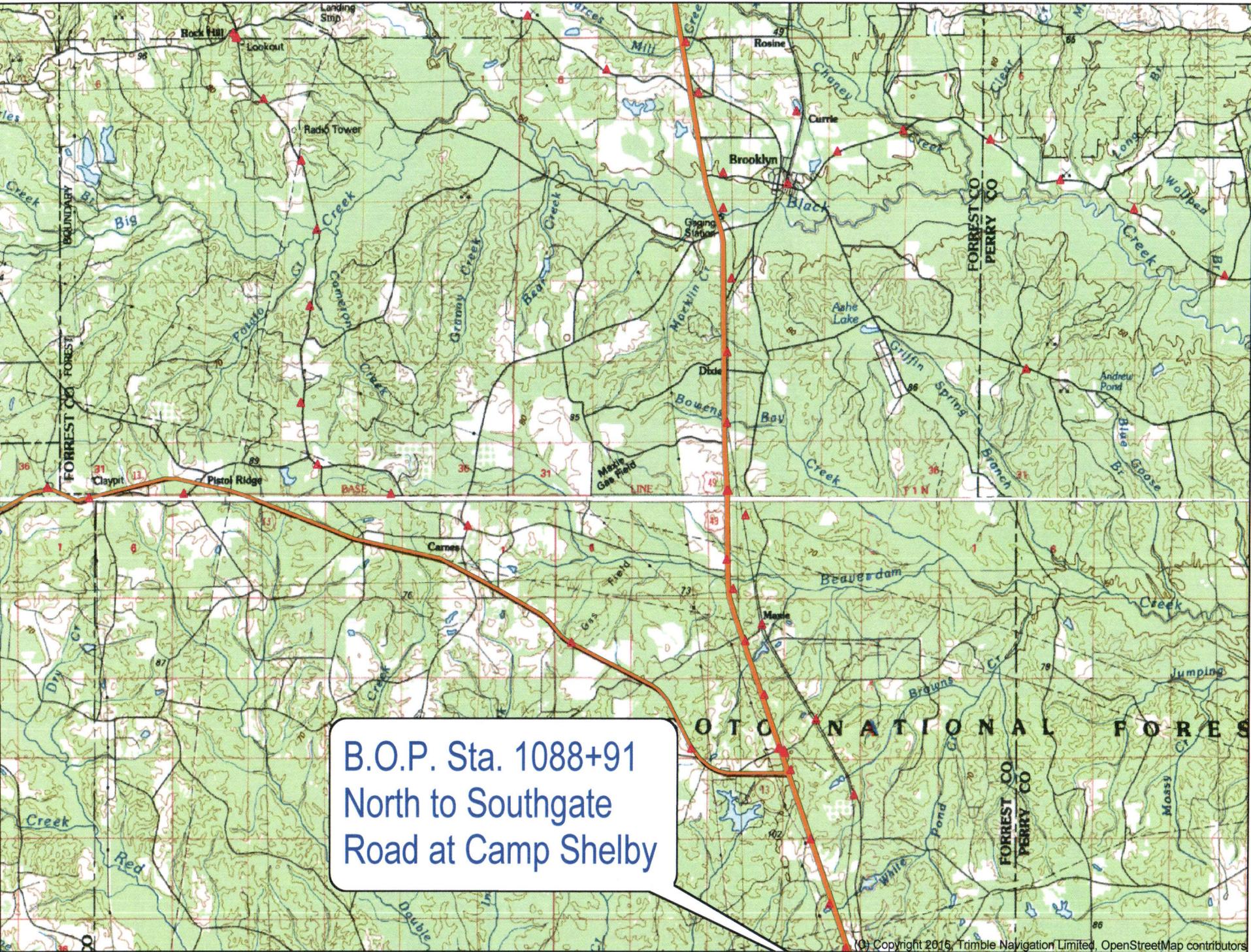
Location Maps of US 49 Work From
Forrest/Stone County Line to North Gate
Camp Shelby

B.O.P. Sta. 1088+91
North to Southgate
Road at Camp Shelby



Name: BOGALUSA
Date: 11/06/18
Scale: 1 inch = 8,333 ft.

Location: 030° 54' 55.1424" N, 089° 11' 37.2878" W
Forest US 49 Safety Project Stone CL to Camp Shelby FMS 107464/301000



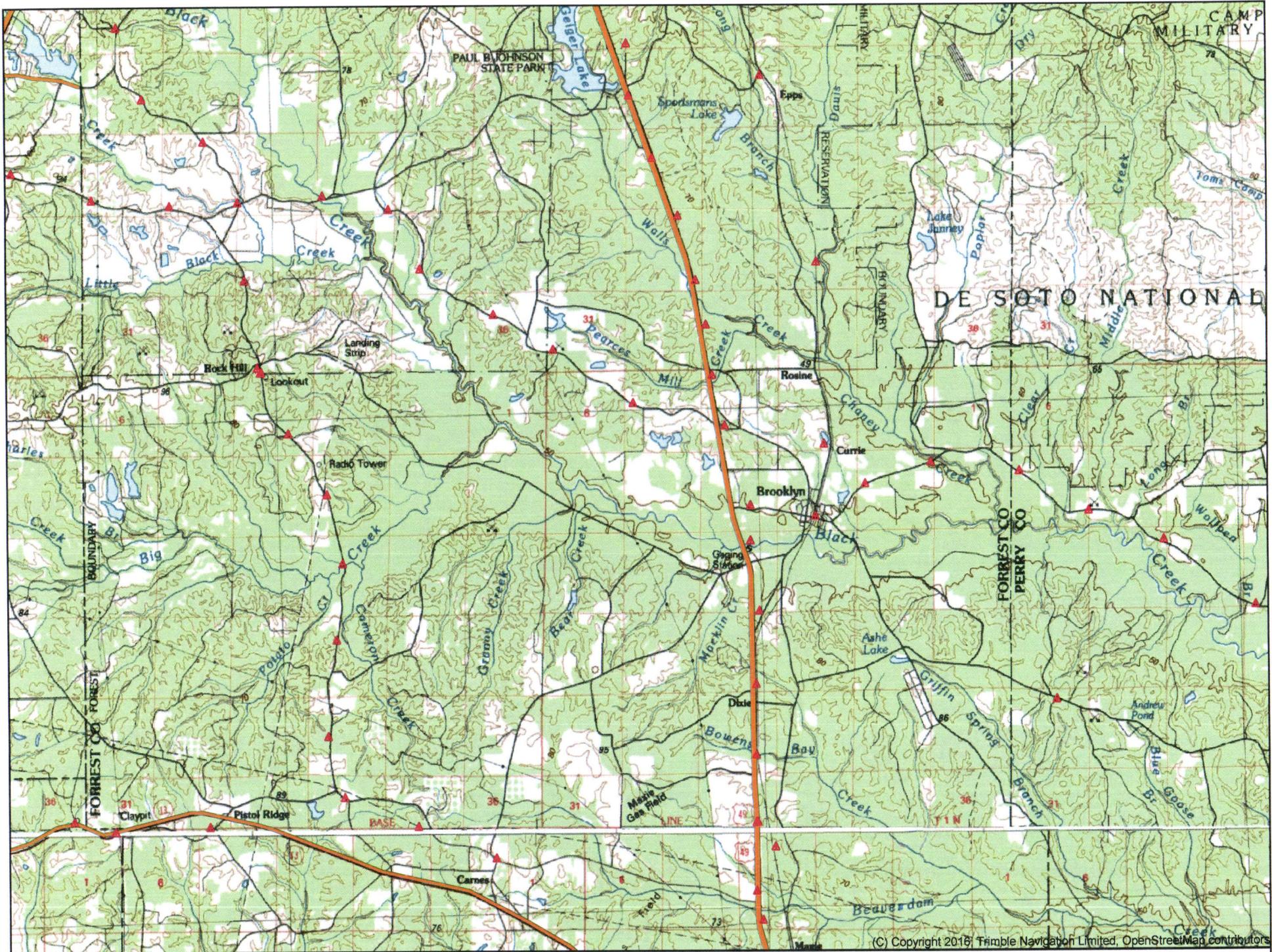
B.O.P. Sta. 1088+91
 North to Southgate
 Road at Camp Shelby

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Name: HATTIESBURG
 Date: 02/13/19
 Scale: 1 inch = 8,333 ft.

Location: 031° 00' 13.4703" N, 089° 13' 25.7547" W
 Forrest US 49 Safety Project Stone CL to Camp Shelby
 FMS 107464/301000

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Name: HATTIESBURG

Date: 02/13/19

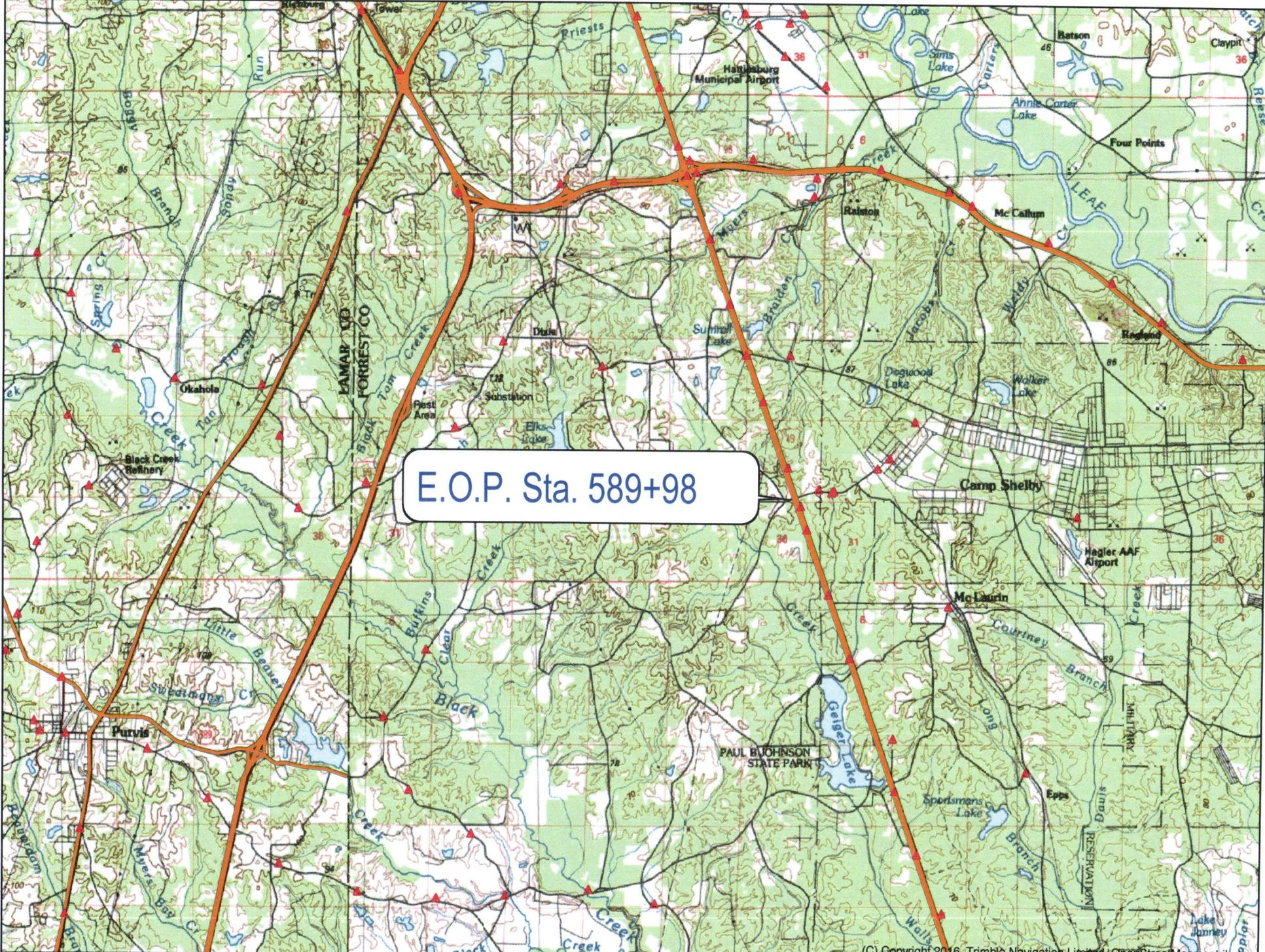
Scale: 1 inch = 8,333 ft.

Location: 031° 03' 50.0003" N, 089° 13' 37.5049" W

Forrest US 49 Safety Project Stone CL to Camp Shelby

FMS 107464/301000

(C) Copyright 2016, Trimble Navigation Limited



E.O.P. Sta. 589+98

Name: HATTIESBURG
Date: 11/06/18
Scale: 1 inch = 8,333 ft.

Location: 031° 11' 21.0958" N, 089° 17' 11.1815" W
Forrest US 49 Safety Project Stone CL to Camp Shelby FMS 107464/301000

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Table of Impacts

Table 1. Wetland Data Point Summary Table

Data Point	Wetland ID#	Site # OR Worksheet #	Latitude*	Longitude*	Approximate Station Number	Section-Township-Range	Area from ROW to ROW (Acres)	Cowardin Classification	Impact**
DP-1	W-1	29	31.17002	-89.72368	339+00	20-2N-12W	0.07	PFO	0.04 acres permanent fill; 0.03 acres temporary fill
DP-2	W-2	32	31.13885	-89.23183	412+00	18-2N-12W	0.04	PFO	0.02 acres permanent fill; 0.02 acres temporary fill
DP-3	W-3	32	31.14410	-89.23380	432+00	7-2N-12W	0.04	PFO	0.02 acres permanent fill; 0.02 acres temporary fill
DP-4	W-4	34	31.15478	-89.23851	474+00	7-2N-12W	0.15	PFO	0.06 acres permanent fill; 0.09 acres temporary fill

DP- Data point- collection point for sampling data for wetland assessment

W- Wetland- areas described as wetlands

PFO- Palustrine Forested

PEM- Palustrine Emergent

PSS- Palustrine Shrub-Scrub

Station Numbers are approximate

*Latitude and Longitude in Decimal Degrees, NAD 83, State Plane

** Impacts are one of the following- Shade/ Clear, Below Grade Culvert, Armor/ Rip-Rap, Detention, Morphological change, Pipe, Fill

Wetland Summary:	0 Total Present in ROW (acres)	Permanent Fill (acres)	Temporary Fill (acres)
Forested:	9.56	0.14	0.16
Shrub-Scrub:	0.0	0	0
Emergent:	0.0	0	0
Total	9.56	0.14	0.16

Note: No temporary haul roads or bridges are anticipated to be needed for this interchange project. Sheet ECD-17 will be removed from the final plans.

Table 2. Channel Assessment Table

CA #	Site #	Latitude	Longitude	Sta.	Section- Township- Range	Type	Length in Project Area (feet)	Channel Width (feet)	Name	Impact
1	1	30.92652	-89.17812	1153+00	27-1S-12W	E	150	22	White Pond Creek	72' of 60" RCP extension (WK5)
2	1	30.97127	-89.19653	1325+40	9-1S-12W	I	175	5	Hogpen Branch	20' of DBL 8x6 box culvert extension; 14' of DBL 10x6 box culvert extension; 35' of apron (WK11)
3	1	30.98623	-89.20116	1382+59	9-1S-12W	I	225	15	Beaverdam Creek	83' of TPL 16x8 box culvert extension in median; 36' of TPL 16x8 box culvert extension; 54' rip-rap (WK13)
4	1	30.99168	-89.20154	1402+20	4-1S-12W	E	200	6	Trib. Beaverdam Creek	20' of DBL 8x8 box culvert extension; 8' of DBL 8x8 box culvert extension w/62' apron; 22' rip-rap (WK13)
5	1	31.00870	-89.20216	1464+00	33-1N-12W	E	175	3	Trib. Bowens Bay Creek	30' of DBL 4x4 box culvert extension w/9' of apron; 14' 8x4 box culvert extension w/9' of apron; 29' rip-rap (WK15)
6	1	31.01349	-89.20226	1482+00	28-1N-12W	I	250	10	Bowens Bay Creek	73' of DBL 8x6 box culvert extension (WK16)
7	1	31.10400	-89.23000	277+00	29-2N-12W	E	185	6	Trib. Walls Creek	34' of DBL 6x4 box culvert extension w/12" of apron; 25' of DBL 6x4 box culvert extension w/12" of apron; 18' of 8x5 box culvert extension w/ 17' apron; 101' rip-rap (WK27)

CA- Channel Assessment- Channel Assessment point location

Type:

P-Perennial

I-Intermittent

E-Ephemeral

OHWM-Ordinary High Water Mark

Station numbers (Sta.) are approximate

*Latitude and Longitude in Decimal Degrees, NAD 83, State Plane

**-. Stream Impacts are one of the following- Shade/ Clear, Below Grade Culvert, Armor/ Rip-Rap, Detention, Morphological change, Pipe, Fill

CA Summary	Total Present (ft)	New Bridge Width Shade/ Clear (ft)	Temporary Bridge Width Shade/ clear (ft)	Culvert/ Pipe (ft)	Rip-Rap/ Armor (ft)	Relocate and Fill (ft)	New Channel with rip-rap (ft)
Perennial:	0	0	0	0	0	0	0
Intermittent:	425	0	0	261	54	0	0
Ephemeral:	710	0	0	342	152	0	0
Total (P.I.E.)	1135	0	0	603	206	0	0

US 49 Safety Project Forrest County

Note: No temporary haul roads or bridges are anticipated to be needed for this interchange project. Sheet ECD-17 will be removed from the final plans.

Roadway Plans

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY	1
<input checked="" type="checkbox"/> PERMANENT SIGNS	1001
<input checked="" type="checkbox"/> TRAFFIC SIGNALS	2001
<input type="checkbox"/> ITS COMPONENTS	3001
<input type="checkbox"/> LIGHTING	4001
<input type="checkbox"/> (RESERVED)	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS	6001
<input type="checkbox"/> BOX CULVERT STD. DRAWINGS (LRFD)	7001
<input checked="" type="checkbox"/> BOX CULVERT STD. DRAWINGS (STD. SPEC.)	7501
<input checked="" type="checkbox"/> STRUCTURES	8001
<input checked="" type="checkbox"/> CROSS SECTIONS	9001

BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.

STA. 1325+50, 76 LF DOUBLE 10'X8'
STA. 1382+32, 36 LF TRIPLE 16'X8'

BEGINNING OF PROJECT
STA. 1088+91 - US HIGHWAY 49

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. HSIP-0008-00(005)

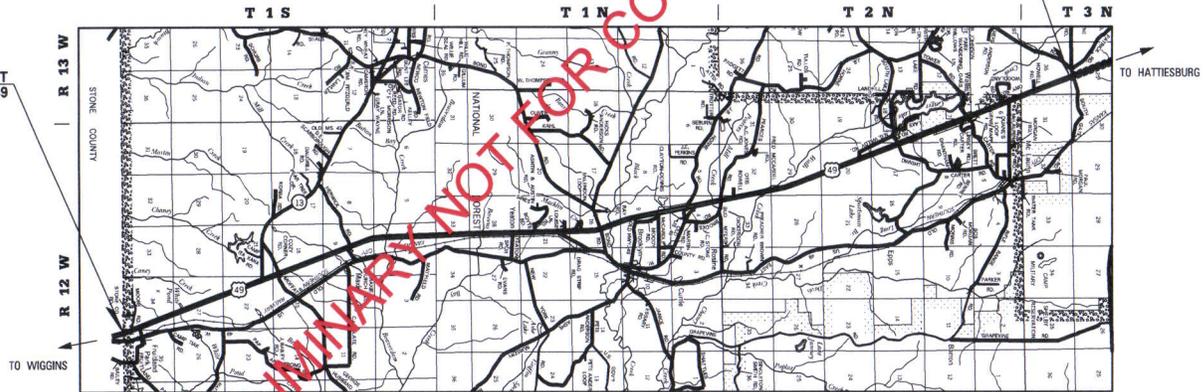
U.S. HWY. 49
STONE CO. LINE TO CAMP SHELBY SOUTH GATE
FORREST COUNTY

FMS. CONST. NO. 107464301000
FMS. ROW NO. 107464201000

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 6000 FT.

END OF PROJECT
STA. 589+98 - US HIGHWAY 49



EQUATIONS

STA. 177+89.330	=	STA. 1377+98.543	-9.213'
STA. 146+56.838	=	STA. 1463+60.679	-3.841'
STA. 1610+16.238	=	STA. 71+45.908	+153,870.33'
STA. 162+96.709	=	STA. 163+00.000	-3.291'
STA. 230+50.000	=	STA. 230+46.299	+3.701'
STA. 338+60.676	=	STA. 338+59.449	+1.227'
STA. 420+03.205	=	STA. 420+03.577	-0.372'
TOTAL			153,858.541'

LENGTH DATA

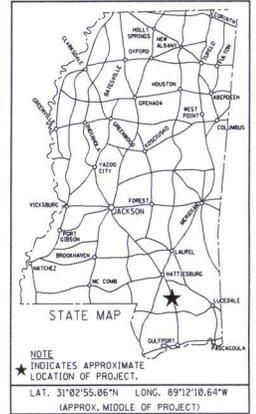
LENGTH OF ROADWAY	103,965.541 FT.	19.690 MI.
LENGTH OF BRIDGES	1,259.000 FT.	0.238 MI.
LENGTH OF PROJECT (NET)		19.452 MI.
LENGTH OF EXCEPTIONS	2,866.000 FT.	0.543 MI.
LENGTH OF PROJECT (GROSS)		18.909 MI.

EXCEPTIONS

STA. 192+19 TO STA. 195+82	363.00'
STA. 242+00 TO STA. 258+00	1,600.00'
STA. 367+00 TO STA. 373+00	600.00'
STA. 482+75 TO STA. 485+78	303.00'
TOTAL	-2,866.00'

PLANS STAGE	DATE PRINTED
CONCEPTUAL	
PRE-R.O.W.	
FIELD INSPECTION	
R.O.W. PLANS TO SMD	
FINAL R.O.W.	08/01/18
R.O.W. REVISION	10/12/18
OFFICE REVIEW	10/26/18

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	HSIP-0008-00(005)	1



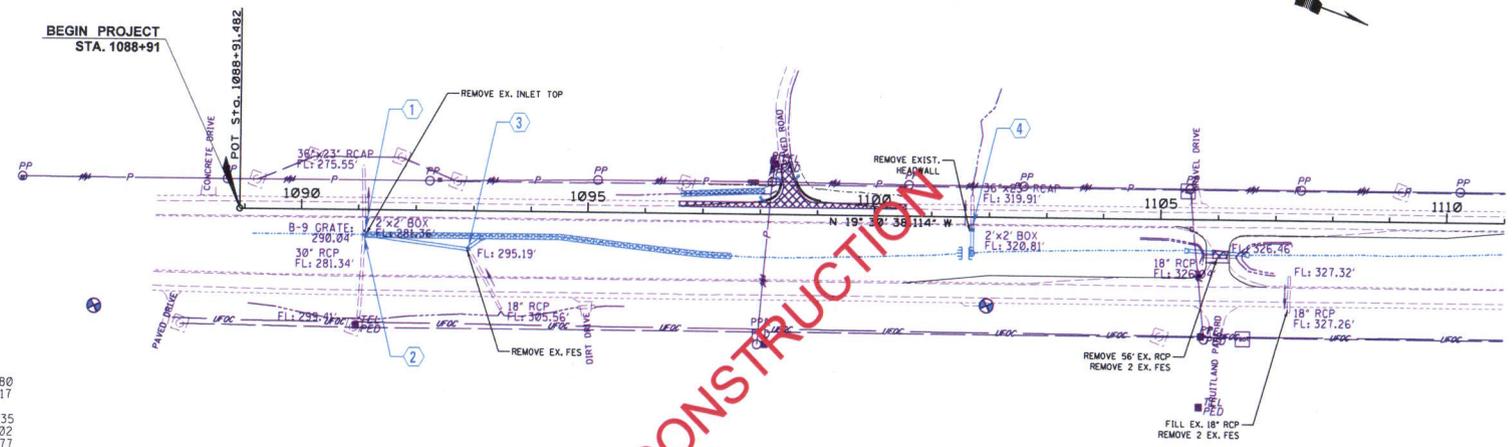
DESIGN CONTROL	
65 MPH = V (SPEED DESIGN)	
ADT (2020) = 18,000 ; ADT (2040) = 23,000	
DHW = 2.500 ; D = 80 % ; T = 11 %	
PERMITS ACQUIRED BY MDOT	
WETLANDS AND WATERS PERMITS NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY:	
NATIONWIDE #14	<input type="checkbox"/> WATERS <input type="checkbox"/> WETLANDS
NATIONWIDE (OTHER)*	<input type="checkbox"/> <input type="checkbox"/>
GENERAL*	<input type="checkbox"/> <input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/> <input type="checkbox"/>
* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR	
STORMWATER PERMIT <input checked="" type="checkbox"/>	
Y	REQUIRED CRDS SUBMITTED BY MDOT (DISTURBED AREA - 5 ACRES)
S	REQUIRED CRDS TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)
APPROVED BY: _____	

P S & E DATE:

APPROVED: _____
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER
EXECUTIVE DIRECTOR

PRELIMINARY
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CONSTRUCTION





- PUBLIC UTILITIES:**
- AT&T DISTRIBUTION (228) 872-1480
 - CENTERPOINT ENERGY (800) 371-5417
 - LAUREL / COLUMBIA
 - C SPIRE (855) 277-4735
 - MS POWER CO. COAST (800) 532-1502
 - PEARL RIVER VALLEY EPA (601) 928-7277
 - WIGGINS
 - NEW ZION UTILITIES (601) 528-1020
 - FL GAS TRANSMISSION-ENERGY TRANSFER (713) 989-2500
 - BROOKLYN UTILITY ASSOC. INC. (601) 582-1948
 - INLINE 1 (281) 651-1126

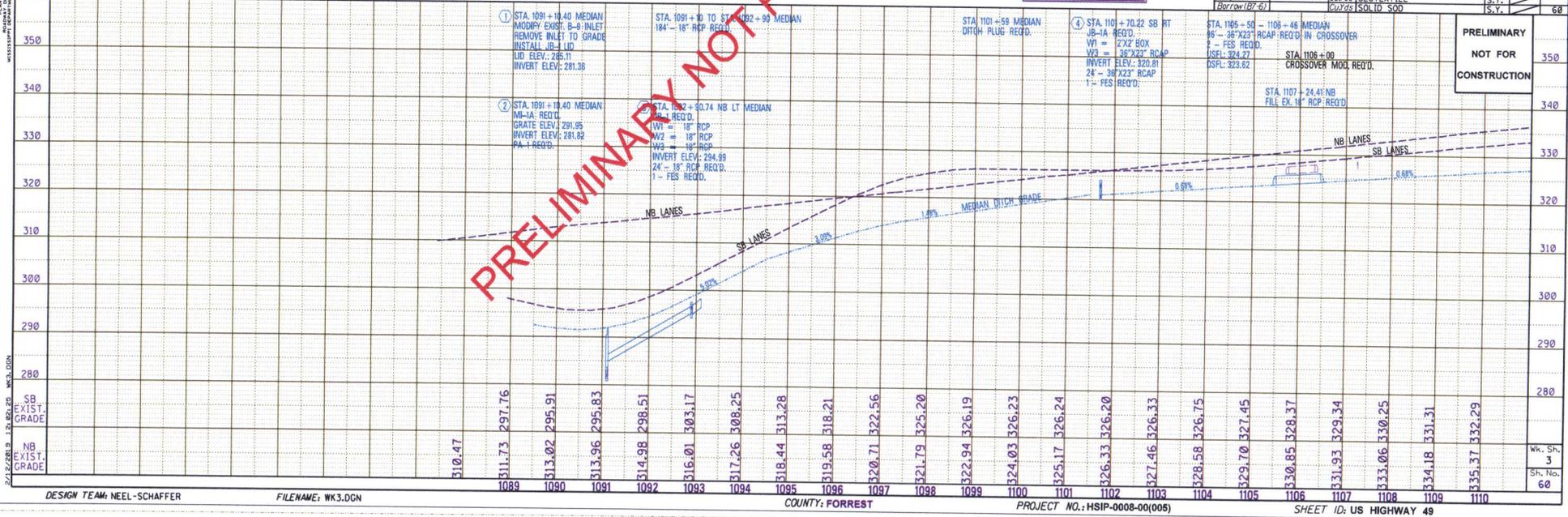
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PT NAME	49-18-11
N.	512755.381
E.	878557.314
DESC.	3.5" ALUM. DISK ON 24"
FENO. ROD	STAMPED 49-18-11

LEGEND:
 REMOVAL OF PAVEMENT

P.C.M. ELEV.	324.73
PT NAME	AZ49-18-11
N.	514227.053
E.	878821.121
DESC.	3.5" ALUM. DISK ON 24"
FENO. ROD	STAMPED 49-18-11

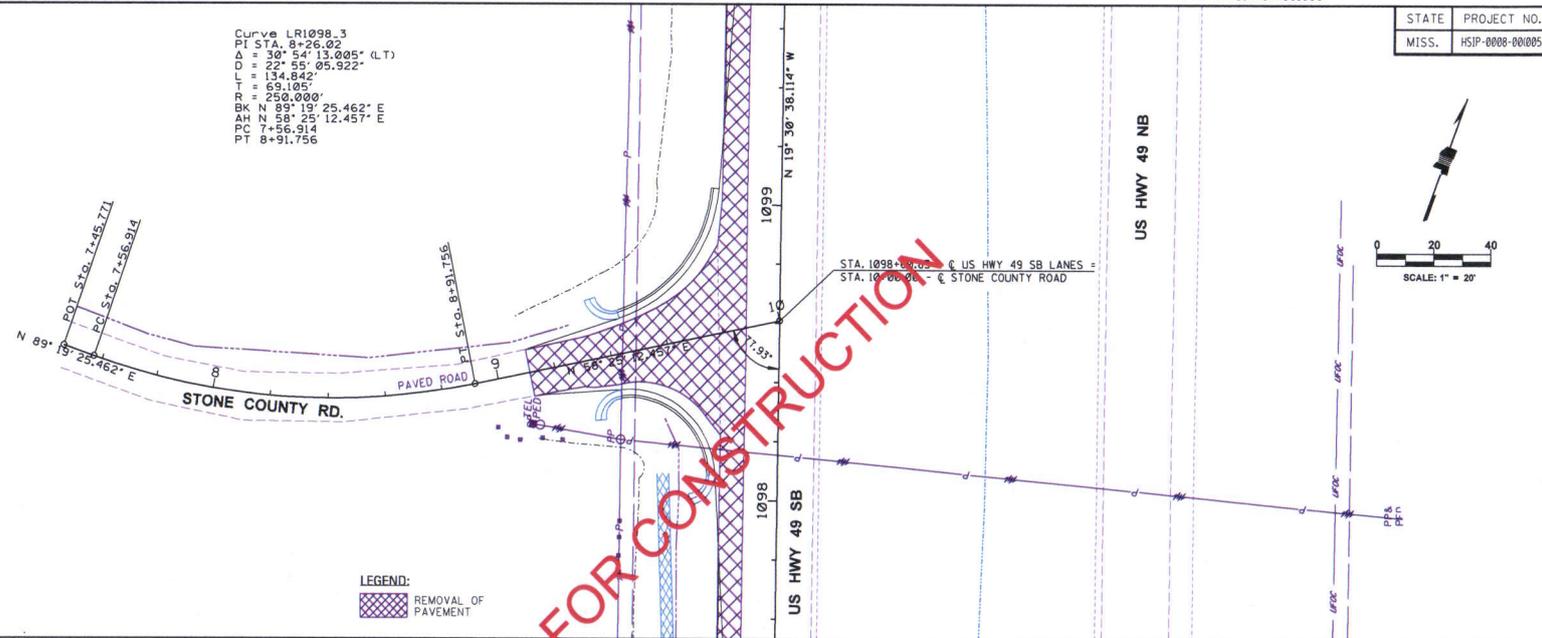
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Cut	12452	cu/yds	DITCH LINER	S.Y.		65
Fill	4943	cu/yds	INTERLOCKING FLEXIBLE BLOCK	S.Y.		284
Excess		cu/yds	PAVED DITCH	C.Y.		3
Surplus		cu/yds	RIPRAP	TON		3
		cu/yds	GEOTEXTILE	S.Y.		3
		cu/yds	SOLID SOD	S.Y.		60

2/10/2010 10:58:11 AM
 PROJECT: 107464/301000
 SHEET: 49



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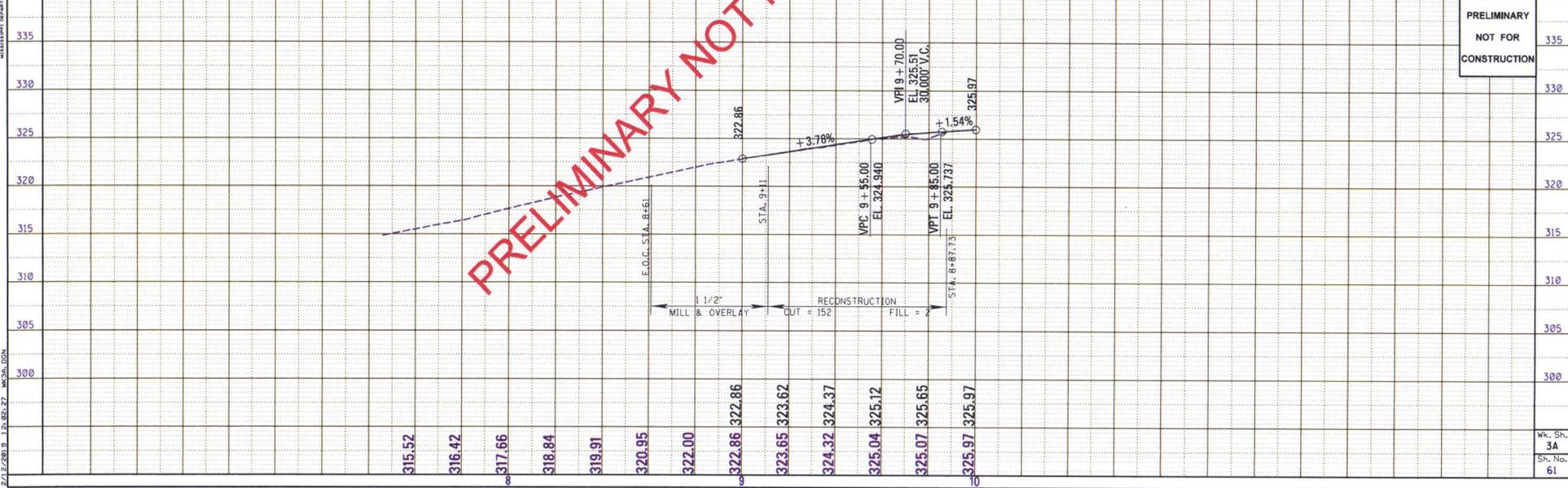
Curve LRI098.3
 PI STA. 8+26.02
 $\Delta = 30^\circ 54' 13.005''$ (LT)
 $D = 22^\circ 55' 05.922''$
 $L = 134.842'$
 $T = 69.105'$
 $R = 250.000'$
 BK N $89^\circ 19' 25.462''$ E
 AP N $58^\circ 25' 12.457''$ E
 PC 7+56.914
 PT 8+91.756



QUANTITIES INCLUDED ON WKG. NO. 3

PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
DITCH LINER	S.Y.	[Symbol]	
INTERLOCKING FLEXIBLE BLOCK	S.Y.	[Symbol]	
PAVED DITCH	C.Y.	[Symbol]	
RIPPRAP	TON	[Symbol]	
GEOTEXTILE	S.Y.	[Symbol]	
SOLID SOD	S.Y.	[Symbol]	

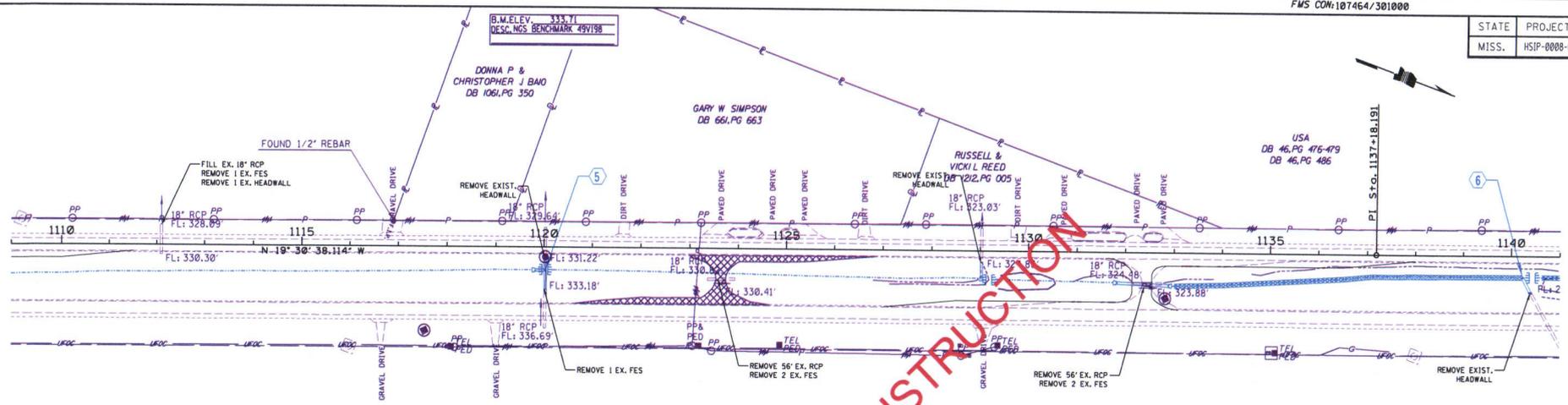
LEGEND:
 REMOVAL OF PAVEMENT



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STATE	PROJECT NO.
MISS.	HSP-0008-00(005)



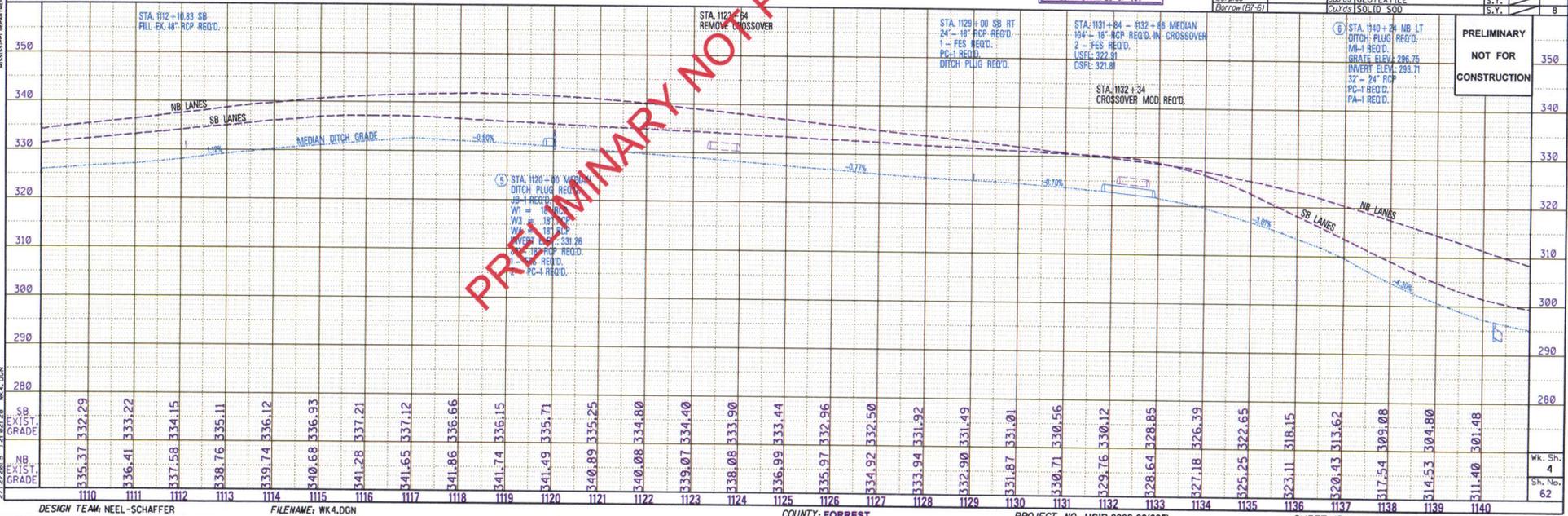
S.C.M. ELEV.	333.51
PT NAME	CP 100
N.	515701.227
E.	877517.069
DESC.	2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 100

LEGEND:
 REMOVAL OF PAVEMENT

S.C.M. ELEV.	326.98
PT NAME	CP 101
N.	517114.635
E.	876935.443
DESC.	2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 101

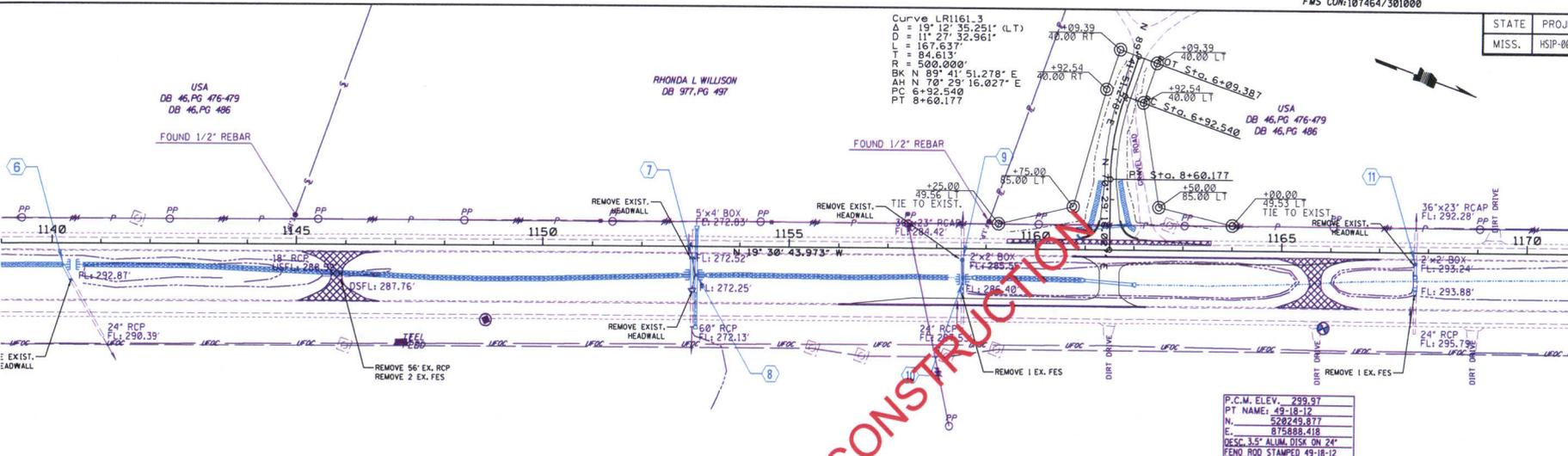
EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	10637	cu/yds	DITCH LINER	S.Y.		156
Fill	3486	cu/yds	INTERLOCKING FLEXIBLE BLOCK	S.Y.		186
Access		cu/yds	PAVED DITCH	C.Y.		1
Surplus		cu/yds	RIPRAP	TON		2
Bottom (BT-6)		cu/yds	GEOTEXTILE	S.Y.		1
		cu/yds	SOLID SOD	S.Y.		8

2/12/2008 9:12:02 AM WK4.DGN
 MISSISSIPPI STATE UNIVERSITY
 MISSISSIPPI STATE UNIVERSITY



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Wk. Sh.	4
Sh. No.	62

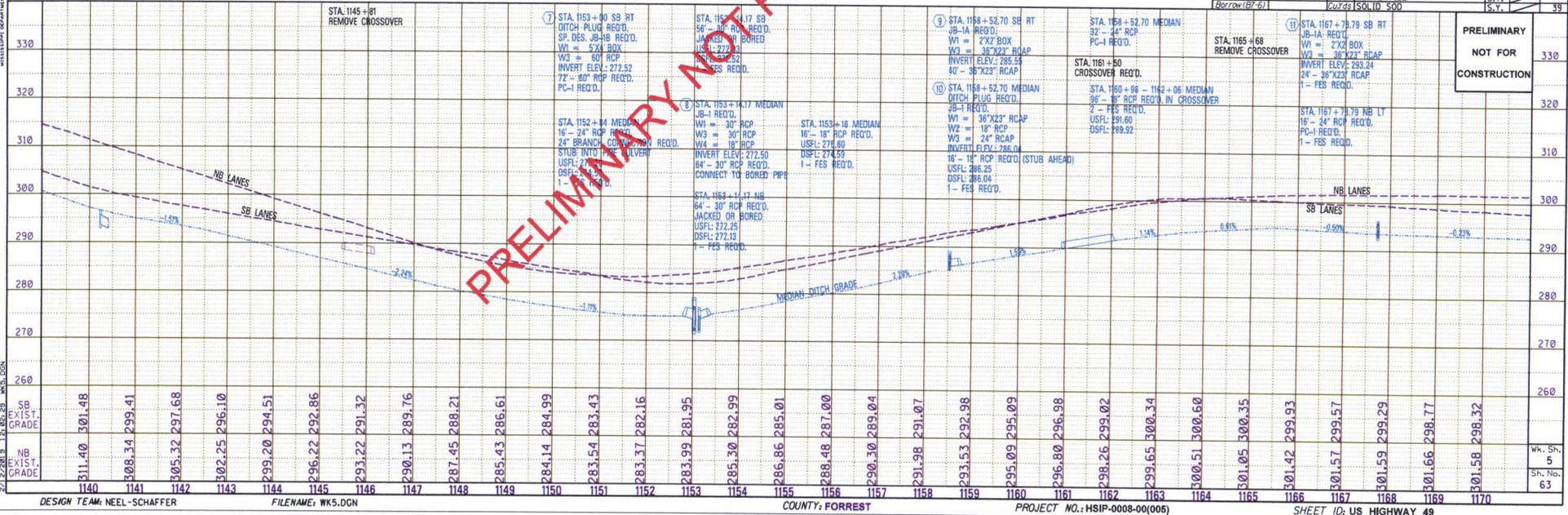


S.C.M. ELEV.	284.27
PT NAME:	CP 102
N.	518645.675
E.	818453.415
DESC: 2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 102	

P.C.M. ELEV.	299.97
PT NAME:	49-18-12
N.	528249.877
E.	875888.418
DESC: 3.5" ALUM. DISK ON 24" FENO. ROD STAMPED 49-18-12	

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET	DITCH LINER	PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
		S.Y.	TON			
Cut	207.57	CURBS	INTERLOCKING FLEXIBLE BLOCK	S.Y.	849	
Fill	5026	CURBS	PAVED DITCH	S.Y.	100	
Excav		CURBS	RIPRAP	TON	2	
Surplus		CURBS	GEO TEXTILE	S.Y.		
		CURBS	50L D 50D	S.Y.	39	



PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY
NOT FOR CONSTRUCTION

MISSISSIPPI HIGHWAY DEPARTMENT

24132(2)B.1 1.24.00.25 WK5.DGN

SUPER EL. NC FT/FT WIDTH
EXTRA WIDTH ON INSIDE FT
SEE DWG. SE-2A CASE 1

Curve LR1161.3
PI STA. 7+77.15
 $\Delta = 19^{\circ}12'35.251"$ (LT)
 $\Delta = 11^{\circ}27'32.961"$ (RT)
 $R = 167.637'$
 $PI = 84.613'$
 $PC = 500.000'$
 $PT = 500.000'$
BK N $83^{\circ}41'51.278"$ E
AH N $70^{\circ}29'16.027"$ E
PC 6+92.540
PT 8+60.177

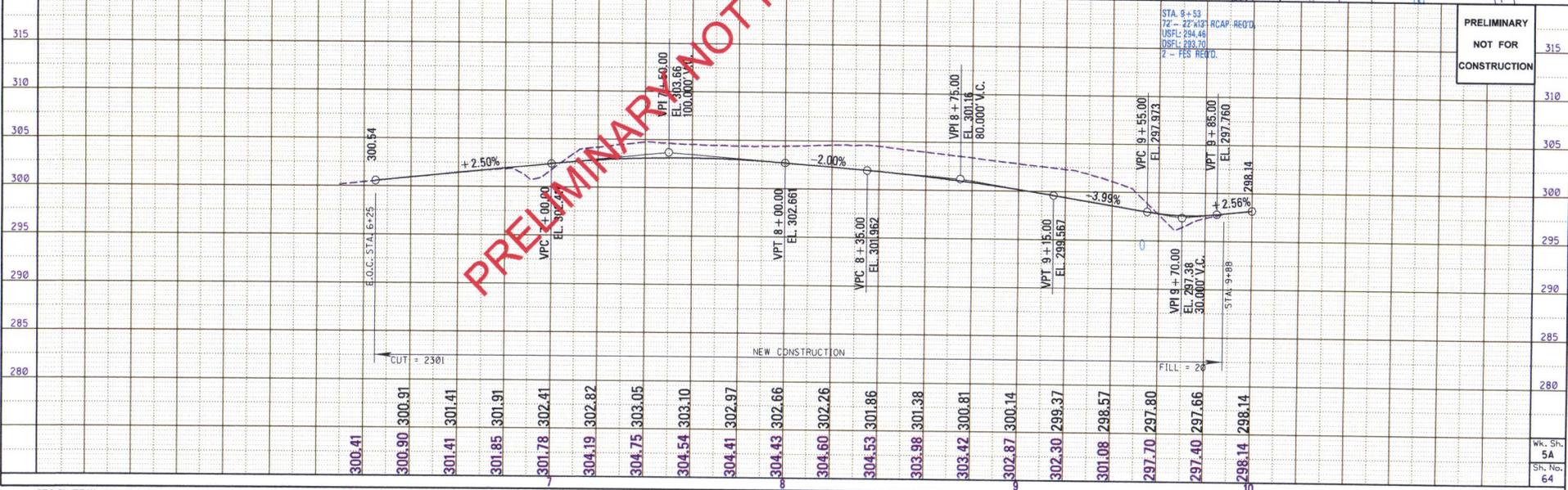
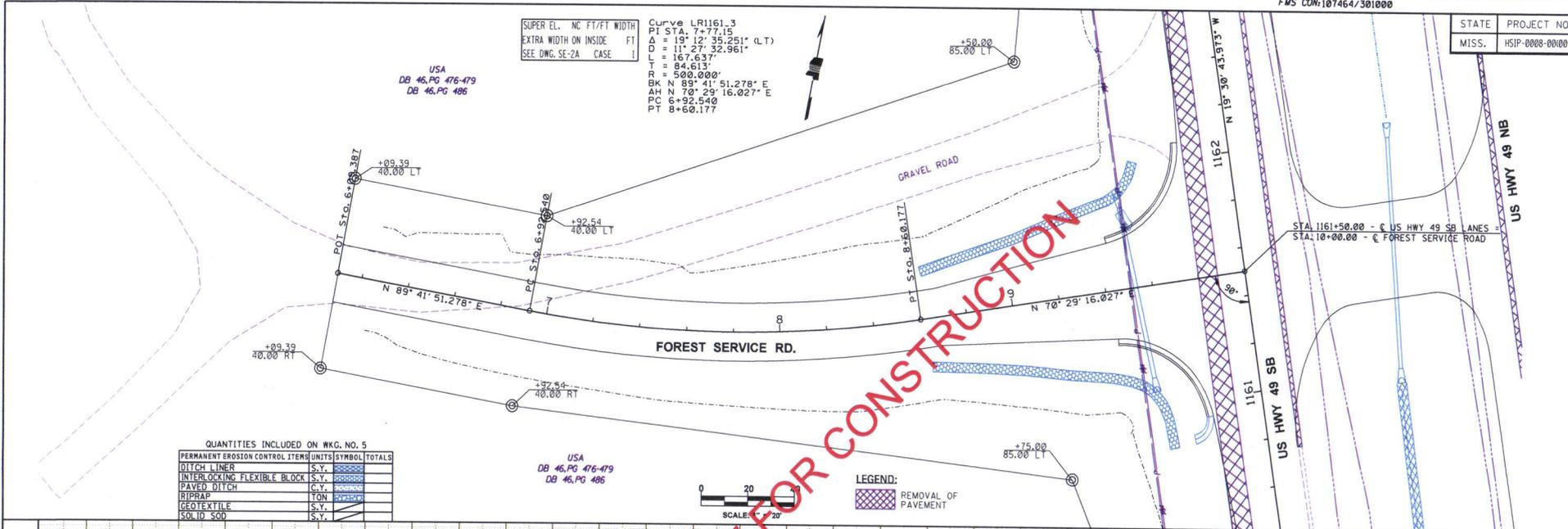
USA
DB 46, PG 476-479
DB 46, PG 486

USA
DB 46, PG 476-479
DB 46, PG 486

QUANTITIES INCLUDED ON WKG. NO. 5

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DITCH LINER	S.Y.	[Symbol]	
INTERLOCKING FLEXIBLE BLOCK	S.Y.	[Symbol]	
PAVED DITCH	C.Y.	[Symbol]	
RIPRAP	TON	[Symbol]	
GEOTEXTILE	S.Y.	[Symbol]	
SOLID SOB	S.Y.	[Symbol]	

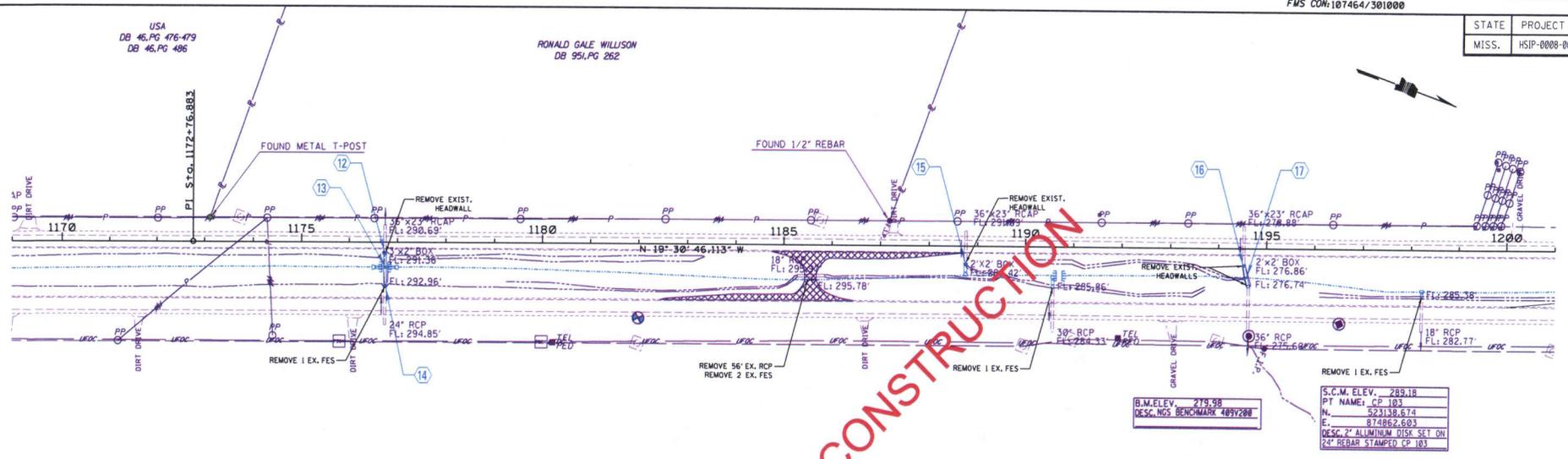
LEGEND:
[Symbol] REMOVAL OF PAVEMENT



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CONSTRUCTION

USA
DB 46, PG 476-479
DB 46, PG 486

RONALD GALE WILLIAMS
DB 95, PG 262



P.C.M. ELEV. 300.14
PT NAME: A249-18-12
N. 521770.019
E. 875347.488
DESC. 3.5" ALUM. DISK ON 24"
FENO ROD STAMPED A249-18-12

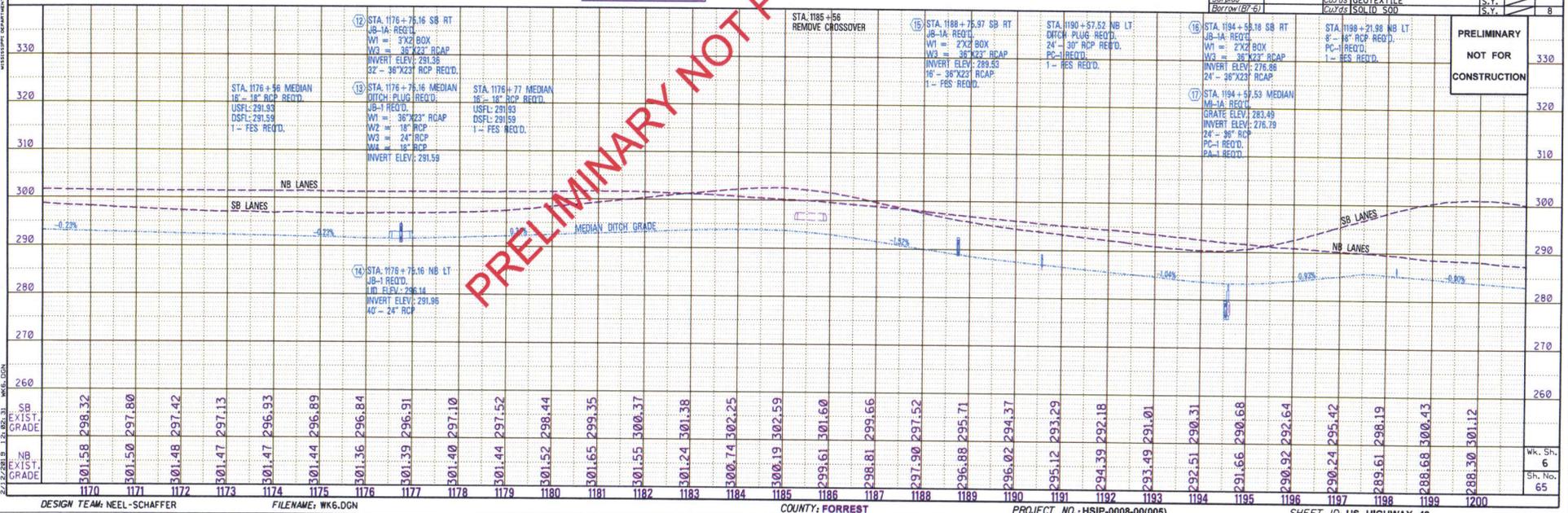
B.M. ELEV. 279.98
DESC. NGS BENCHMARK 4937280

S.C.M. ELEV. 289.18
PT NAME: CP 103
N. 523139.674
E. 874892.603
DESC. 2" ALUMINUM DISK SET ON
24" REBAR STAMPED CP 103

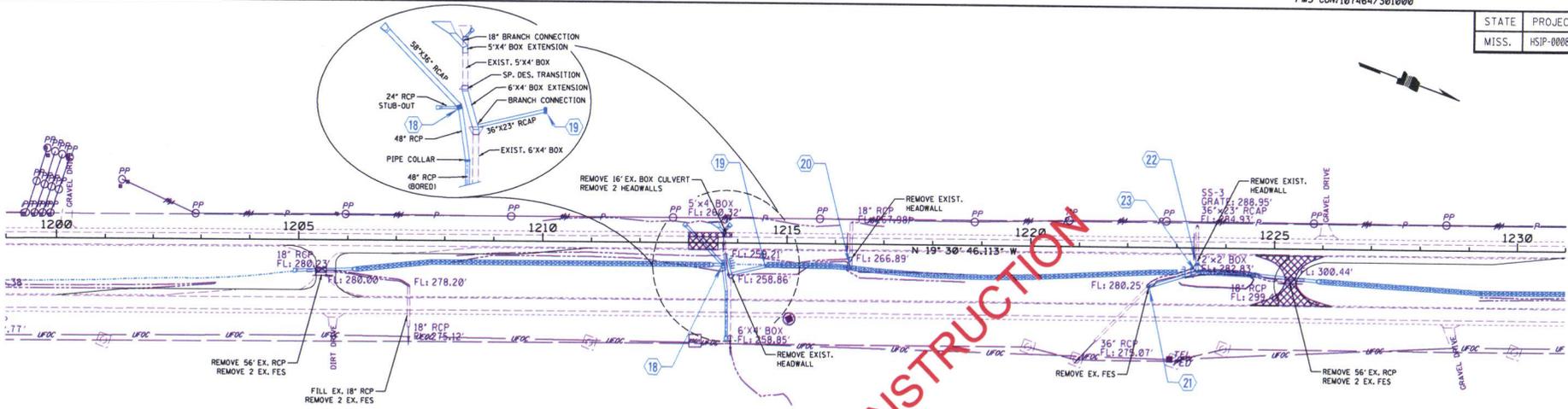
LEGEND:
[Cross-hatched box] REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	1080	DITCH LINER	S.Y.	0.000000		
Fill	6888	INTERLOCKING FLEXIBLE BLOCK	S.Y.	0.000000		
Excav		PAVED DITCH	C.Y.	0.000000		
Surplus		RIPRAP	TON	0.000000		
Below		GEOTEXTILE	S.Y.	0.000000		
		SOLID SOIL	S.Y.	0.000000		
						8

MIXTURES AND CONSTRUCTION METHODS TO BE USED SHALL BE AS SHOWN ON SHEETS 107464/301000 AND 107464/301001



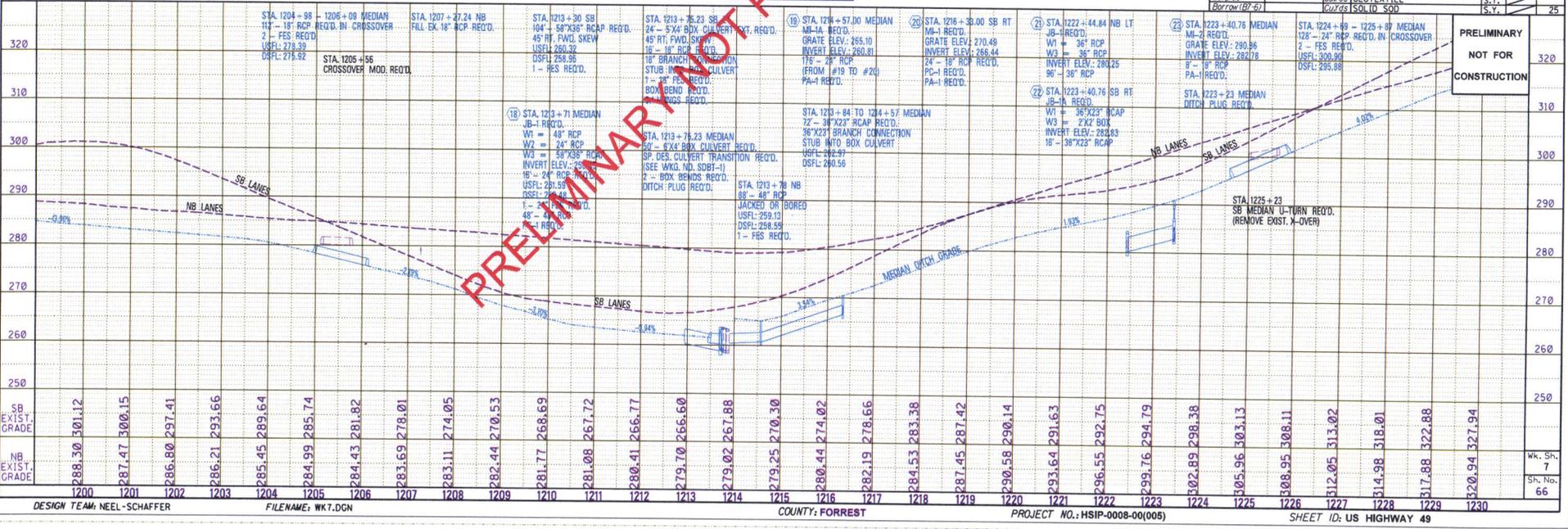
PRELIMINARY
NOT FOR
CONSTRUCTION



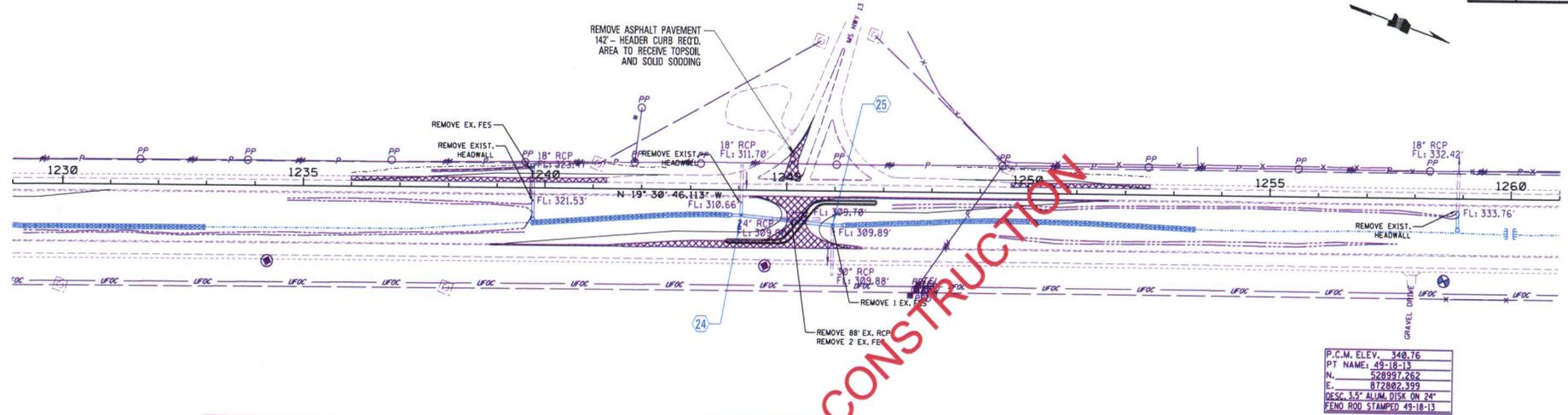
S.C.M. ELEV.	267.71
PT NAME	CR 18
N.	314.339
E.	674.951
DESC.	24\"/>

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	49/B	Ditch Liner	S.T.	508		
Fill	139/S	Interlocking Flexible Block	S.V.	330		
Grass		Paved Ditch	C.Y.	2		
		Grass Riprap	TON	2		
		Grass Geotextile	S.V.	2		
		Grass Solid Sod	S.V.	25		



PRELIMINARY
NOT FOR
CONSTRUCTION



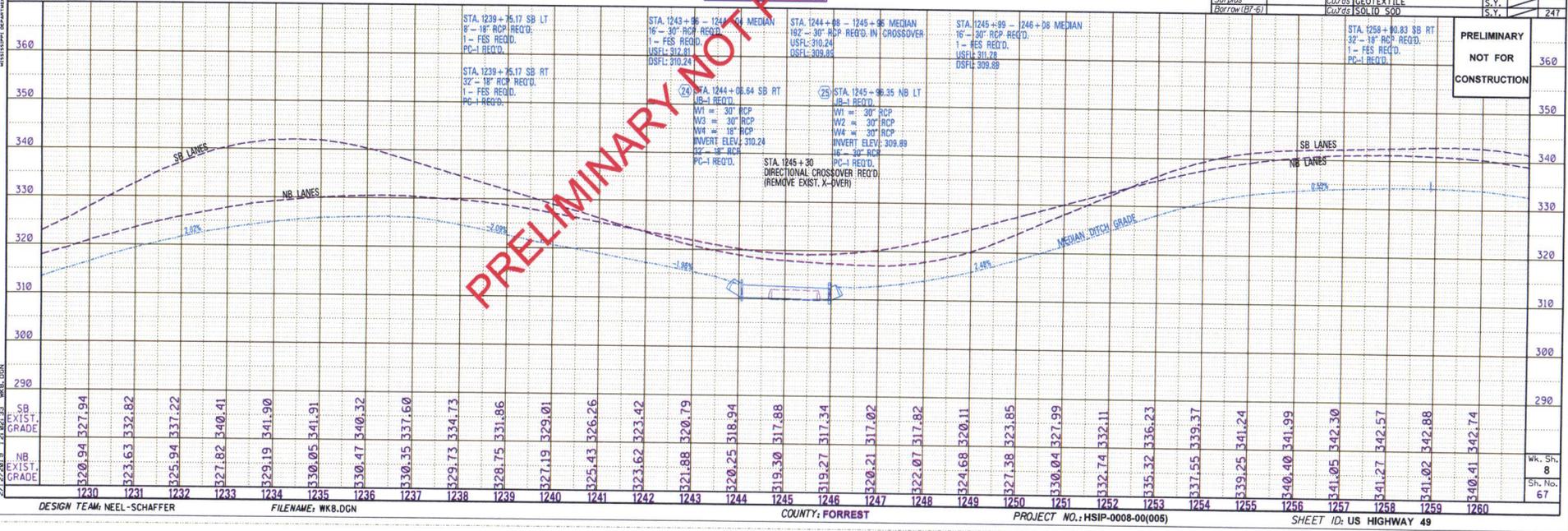
S.C.M. ELEV.	328.22
PT NAME	CP 105
N	5265.90
E	8736.01
DESC	2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 105

S.C.M. ELEV.	317.75
PT NAME	CP 106
N	52166.74
E	87328.15
DESC	2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 106

P.C.M. ELEV.	340.76
PT NAME	49-18-13
N	52897.262
E	87280.359
DESC	3.5" ALUM. DISK ON 24" FEND ROD STAMPED 49-18-13

LEGEND:
 REMOVAL OF PAVEMENT

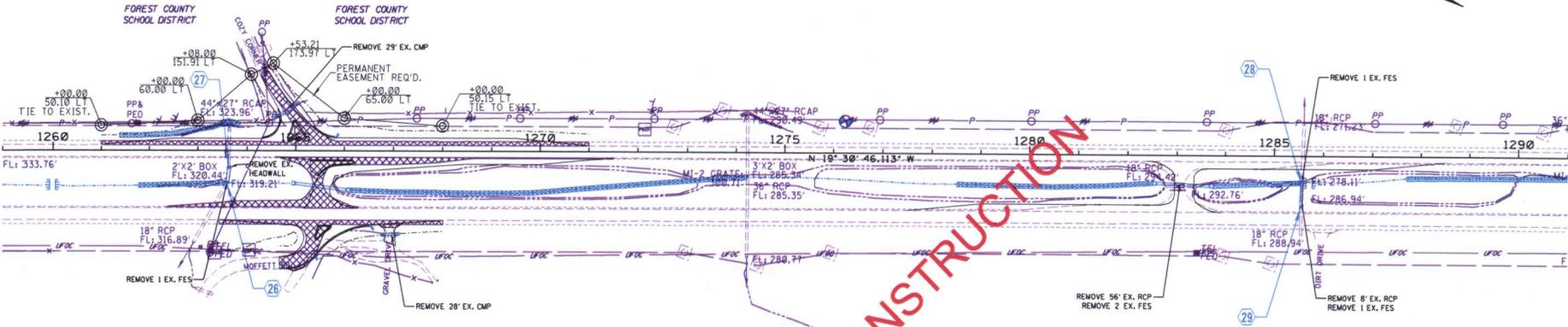
EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	143.33	DITCH LINER	S.Y.	504		
Fill	87.49	INTERLOCKING FLEXIBLE BLOCK	S.Y.	167		
Access		PAVED DITCH	S.Y.			
Subbase		RIPRAP	TON			
Borrow (197-6)		GEOTEXTILE	S.Y.			
		GRAVEL SOD	S.Y.	247		



PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY
 NOT FOR
 CONSTRUCTION

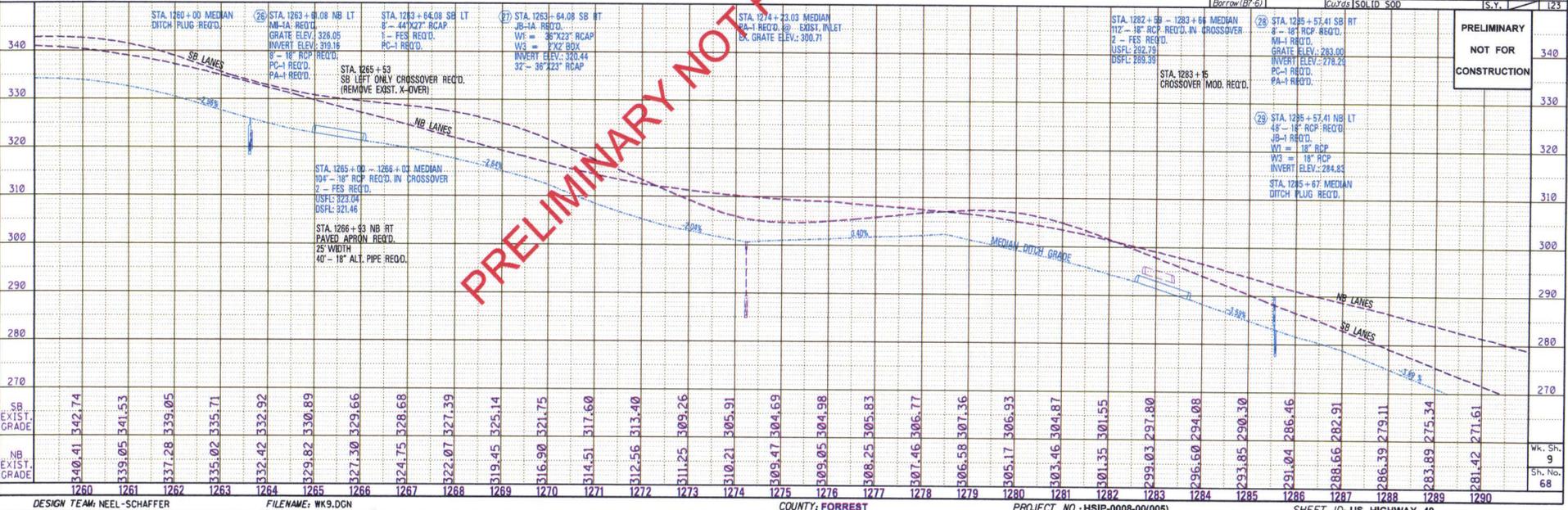
P.C.M. ELEV. 310.10
PT. NAME: A749-18-13
N. 530581.420
E. 871939.230
DESC. 3.5" ALUM. DISK ON 2"
END ROD STAMPED: 8/29-18-13



PRELIMINARY NOT FOR CONSTRUCTION

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	13966	DITCH LINER	S.Y.		620
Fill	5276	INTERLOCKING FLEXIBLE BLOCK	S.Y.		250
Surplus		PAVED DITCH	C.Y.		4
		RIPRAP	TON		3000
		GEOTEXTILE	S.Y.		2500
		SOLID SOD	S.Y.		123



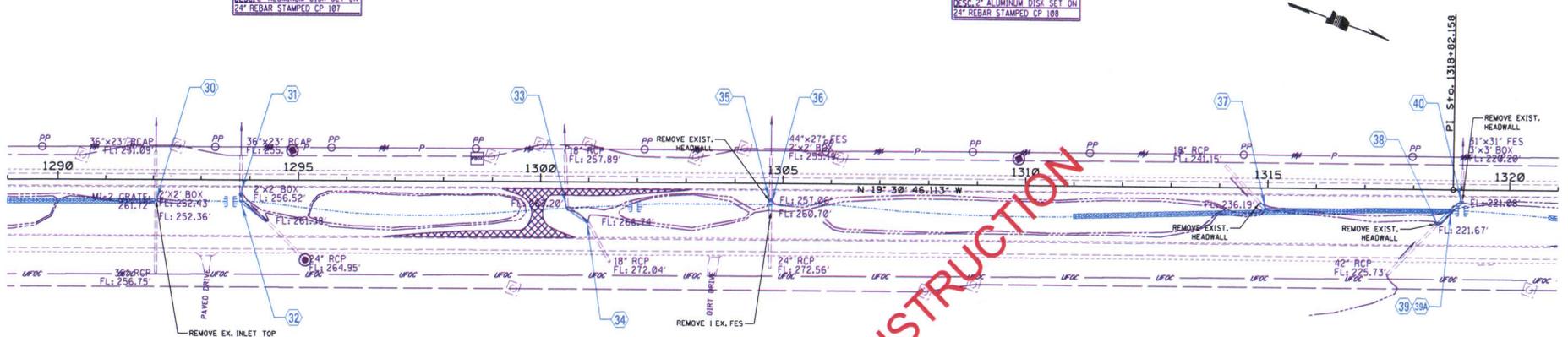
PRELIMINARY
NOT FOR
CONSTRUCTION

2/13/2018 9:12 AM WK9.DGN

S.C.M. ELEV. 272.38
 PT NAME: CP 107
 N. 532339.600
 E. 871319.803
 DESC. 2" ALUMINUM DISK SET ON
 24" REBAR STAMPED CP 107

S.C.M. ELEV. 274.38
 PT NAME: CP 108
 N. 533753.970
 E. 870886.016
 DESC. 2" ALUMINUM DISK SET ON
 24" REBAR STAMPED CP 108

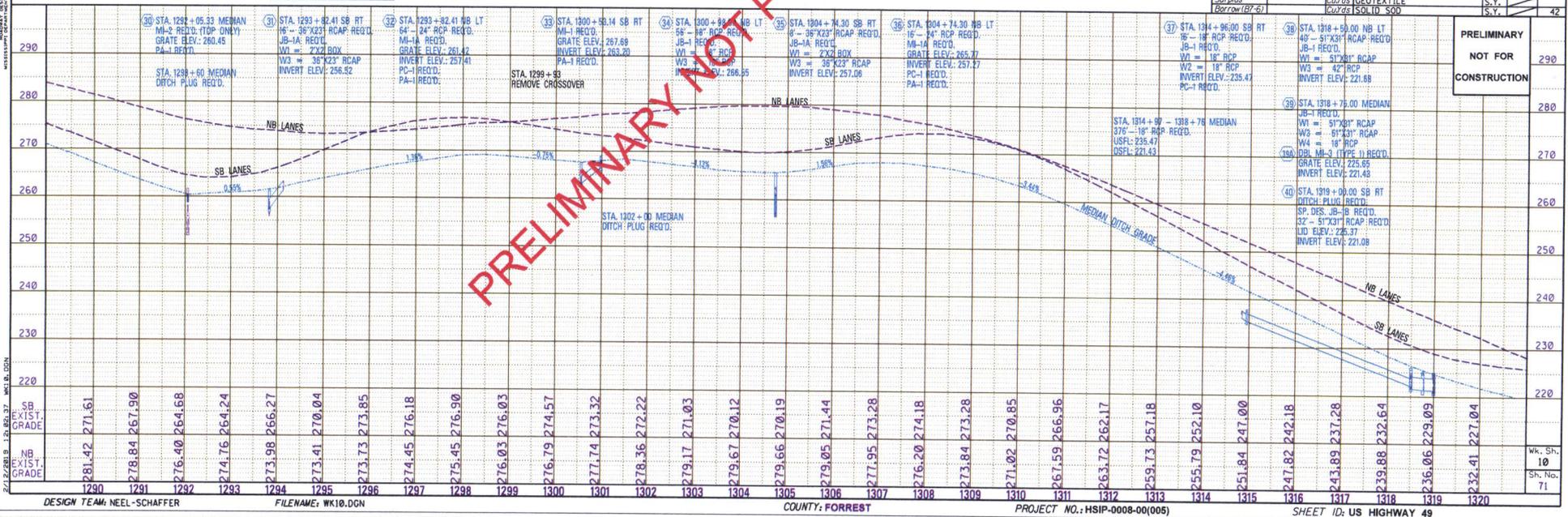
STATE PROJECT NO.
 MISS. HSIP-0008-00(005)



B.M. ELEV. 268.04
 DESC. MSS BENCHMARK 49V281

LEGEND:
 REMOVAL OF PAVEMENT
 REMOVAL OF HEADWALL

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS UNITS SYMBOL TOTALS	
Cut	20442	DITCH LINER	S.Y.
Fill	9274	INTERLOCKING FLEXIBLE BLOCK	483
Access		PAVED DITCH	9
Surplus		CURBS RIPRAP	TON
Below (B7-5)		CURBS GEOTEXTILE	S.Y.
		CURBS SOLID SOD	S.Y.
			42

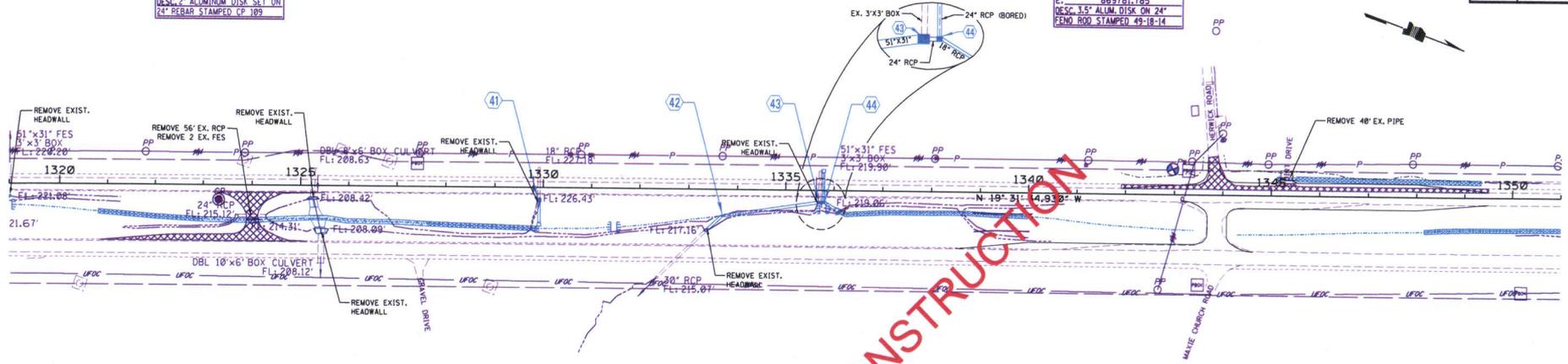


PRELIMINARY
 NOT FOR
 CONSTRUCTION

S.C.M. ELEV. 219.64
 PT NAME: CP 109
 N. 535050.328
 E. 870513.654
 DESC: 2" ALUMINUM DISK SET ON
 24" REBAR STAMPED CP 109

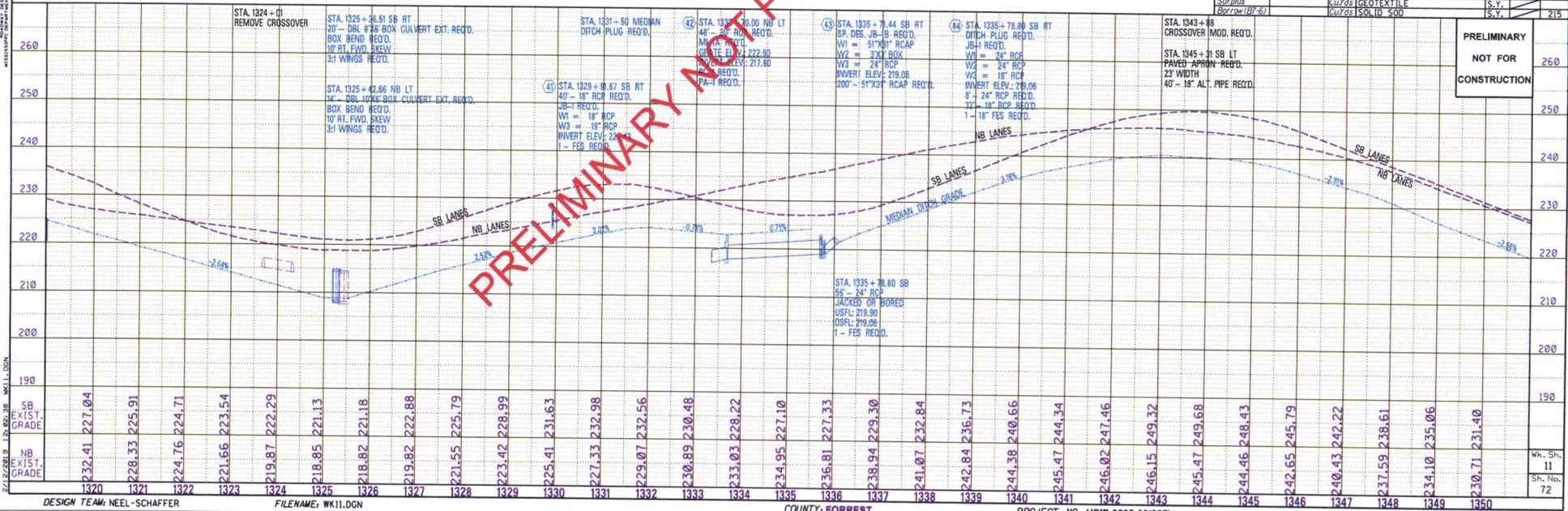
P.C.M. ELEV. 251.02
 PT NAME: 49-18-14
 N. 536874.969
 E. 869781.785
 DESC: 3.5" ALUM. DISK ON 24"
 END ROD STAMPED 49-18-14

STATE PROJECT NO.
 MISS. HSIP-0008-00(005)



LEGEND:
 REMOVAL OF PAVEMENT

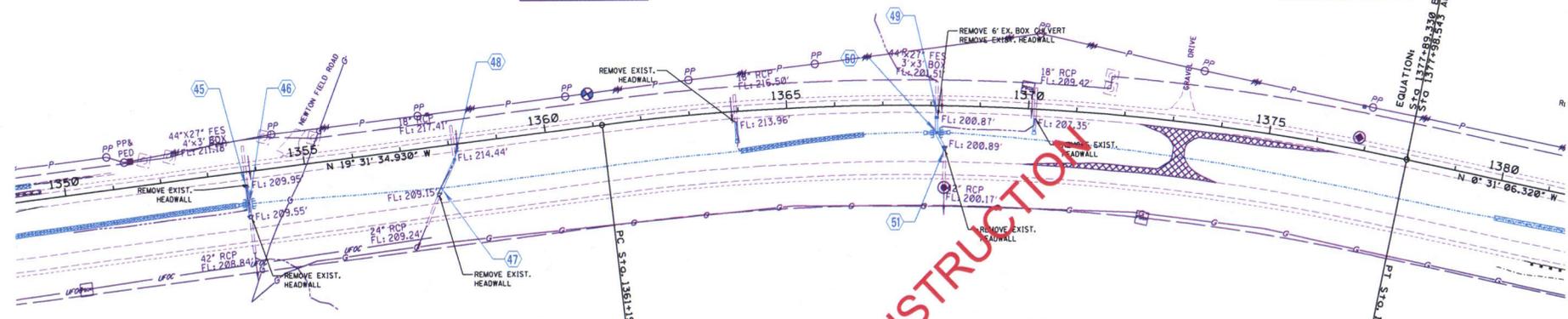
EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	6556	CULVERT INTERLOCKING FLEXIBLE BLOCK	S.Y.	325	325
Fill	9179	CULVERT PAVED DITCH	S.Y.	381	381
E.xcess		CULVERT RIPRAP	TON	29	29
Surface		CULVERT GEOTEXTILE	S.Y.		
Subgrade		CULVERT SOLID SOIL	S.Y.		215



PRELIMINARY
 NOT FOR
 CONSTRUCTION

P.C.M. ELEV. 226.96
 PT NAME: A249-18-14
 N. 538566.359
 E. 869166.312
 DESC: 3.5" ALUM. DISK ON 24"
 FWD ROD STAMPED A249-18-14

S.C.M. ELEV. 215.81
 PT NAME: CP 110
 N. 540142.786
 E. 868909.672
 DESC: 2" ALUMINUM DISK SET ON
 24" REBAR STAMPED CP 110

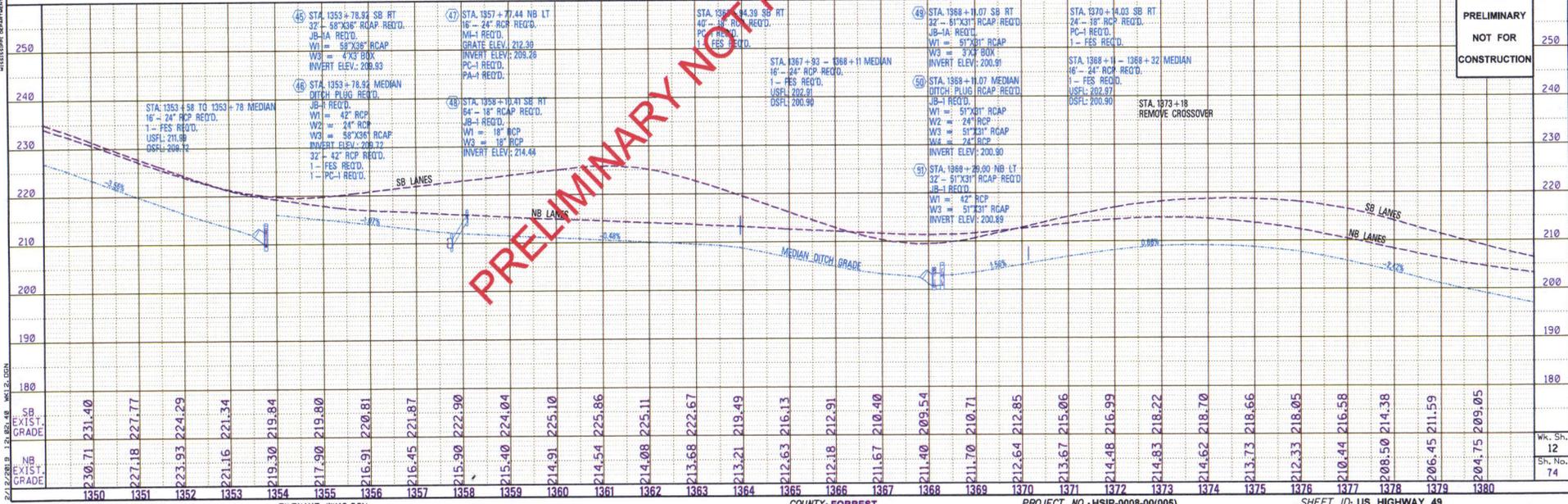


Curve MLH49SB_9
 P.I. STA. 1369+61.96
 A = 19° 00' 28.610" (RT)
 D = 1' 08" 16.957"
 L = 1,670.230'
 T = 842.860'
 R = 5,034.586'
 BK N 19° 31' 34.930" W
 AH N 0° 31' 06.320" W
 PC 1361+19.100
 PT 1377+89.330

B.M. ELEV. 205.84
 DESC: NGS BENCHMARK 49283

LEGEND:
 REMOVAL OF PAVEMENT

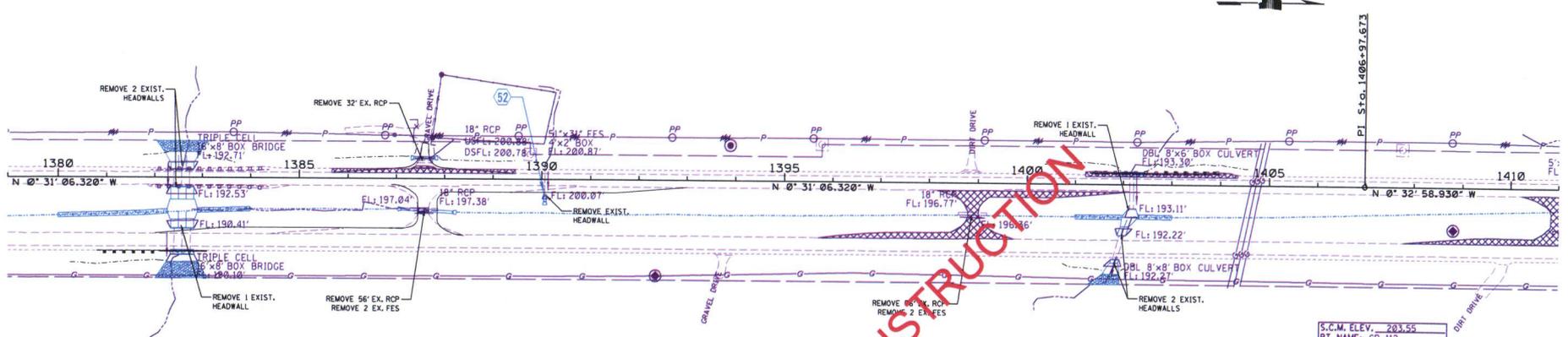
EARTHWORK TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	10507	cu/yds	INTERLOCKING FLEXIBLE BLOCK	S.Y. 115
Fill	11836	cu/yds	PAVED DITCH	S.Y. 112
Crosses		cu/yds	RIPRAP	TON 1
Surplus		cu/yds	GEOTEXTILE	TON 20000
Borrow (B7-6)		cu/yds	SOLID SOD	S.Y. 8



PRELIMINARY
 NOT FOR
 CONSTRUCTION

Wk. Sh.
 12
 Sh. No.
 74

B.M. ELEV. 211.84
DESC. NOS. BENCHMARK DIXIE AY

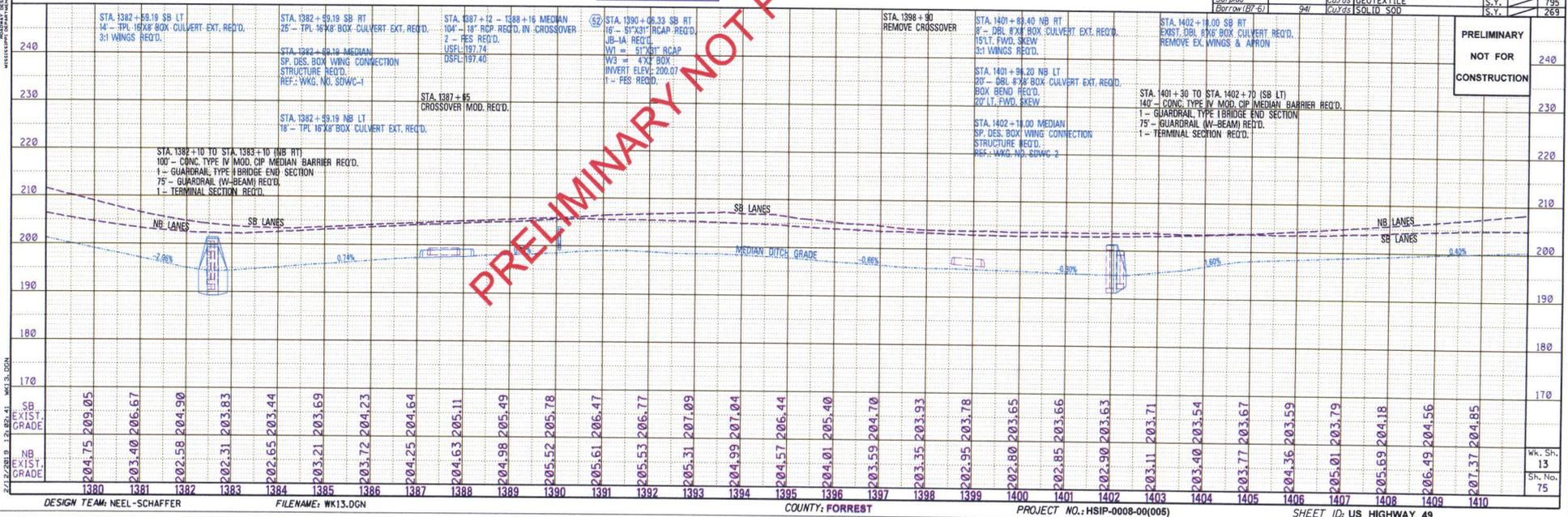


S.C.M. ELEV. 203.55
PT NAME: CP 112
N. 543329.731
E. 868987.934
DESC. 2\"/>

S.C.M. ELEV. 211.34
PT NAME: CP 111
N. 531685.488
E. 859109.377
DESC. 2\"/>

LEGEND:
[Hatched Box] REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	654'	DITCH LINER		S.Y.	[Symbol]	
Fill	9533'	INTERLOCKING FLEXIBLE BLOCK		S.Y.	[Symbol]	
Excess		PAVED DITCH		C.Y.	[Symbol]	48
Surplus		CURBS RIPRAP		TON	[Symbol]	838
Borrow (BY 6)	94'	CURBS GEOTEXTILE		S.Y.	[Symbol]	795
		CURBS SOLID SOD		S.Y.	[Symbol]	269



PRELIMINARY
NOT FOR
CONSTRUCTION

STATION	NB EXIST. GRADE	NB NEW GRADE	SB EXIST. GRADE	SB NEW GRADE
1380	204.75	209.05		
1381	203.40	206.67		
1382	202.68	204.90		
1383	202.31	203.83		
1384	202.65	203.44		
1385	203.21	203.69		
1386	203.72	204.23		
1387	204.25	204.64		
1388	204.63	205.11		
1389	204.98	205.49		
1390	205.52	205.78		
1391	205.61	206.47		
1392	205.53	206.77		
1393	205.31	207.09		
1394	204.99	207.04		
1395	204.57	206.44		
1396	204.01	205.40		
1397	203.59	204.70		
1398	203.35	203.93		
1399	202.95	203.78		
1400	202.80	203.65		
1401	202.85	203.66		
1402	202.90	203.63		
1403	203.11	203.71		
1404	203.40	203.54		
1405	203.77	203.67		
1406	204.36	203.59		
1407	205.01	203.79		
1408	205.69	204.18		
1409	206.49	204.56		
1410	207.37	204.85		

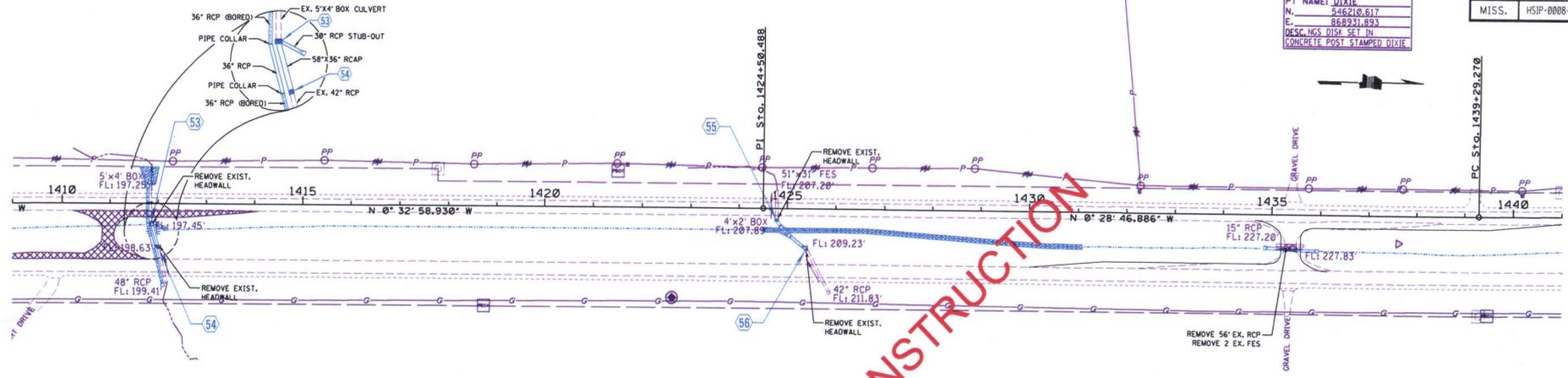
2/12/2018 11:22:41 AM

Wk. Sh. 13
Sh. No. 75

FMS CON:107464/301000

STATE	PROJECT NO.
MISS.	HSIP-0008-00(005)

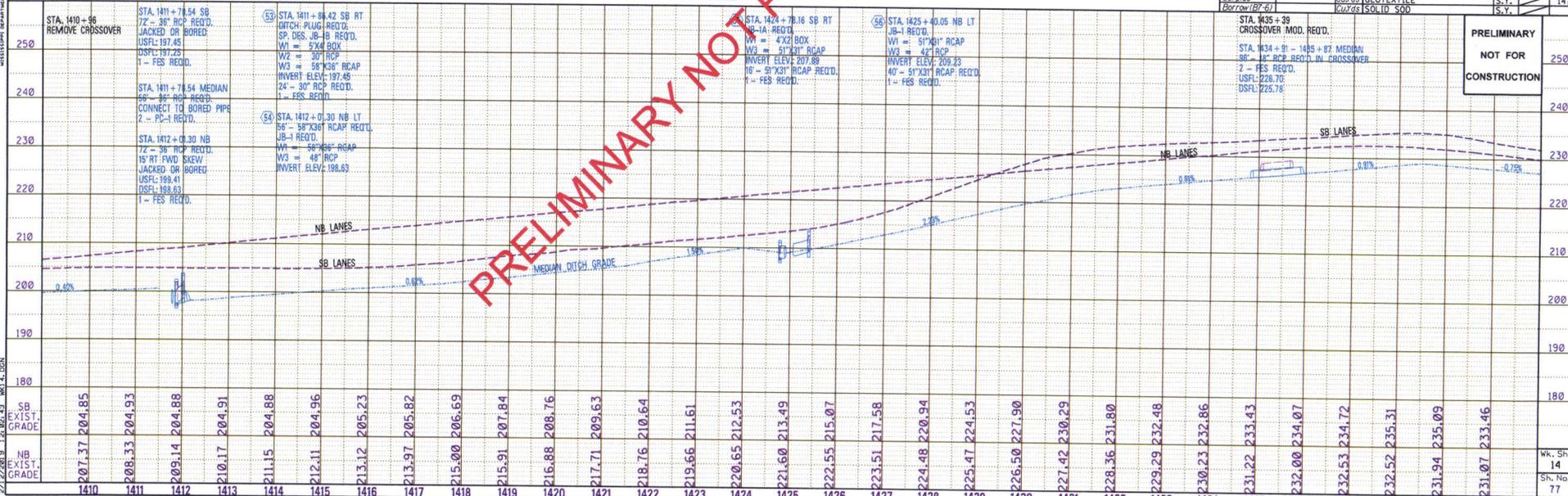
NGS ELEV.	235.19
PT NAME	DIXIE
N.	546210.617
E.	868931.893
DESC	NGS DISK SET IN CONCRETE POST STAMPED DIXIE



S.C.M. ELEV.	218.25
PT NAME	CP 113
N.	544711.908
E.	869070.409
DESC	2\"/>

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	1365	DITCH LINER	S.Y.		227
Fill	5187	INTERLOCKING FLEXIBLE BLOCK	S.Y.		74
Access		PAVED DITCH	C.Y.		165
Surplus		RIPRAP	TON		155
		CULVERT GEOTEXTILE	S.Y.		147
		SOLID SOD	S.Y.		147



PRELIMINARY NOT FOR CONSTRUCTION

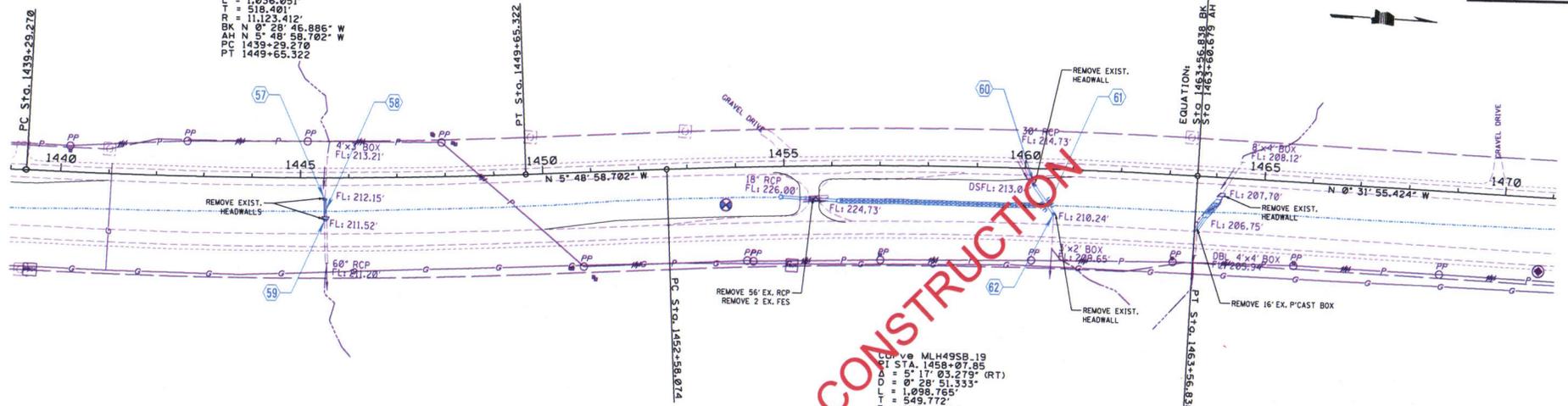
PRELIMINARY
 NOT FOR
 CONSTRUCTION

Wk. Sh.	14
Sh. No.	77

STATE	PROJECT NO.
MISS.	HSP-0008-00(005)

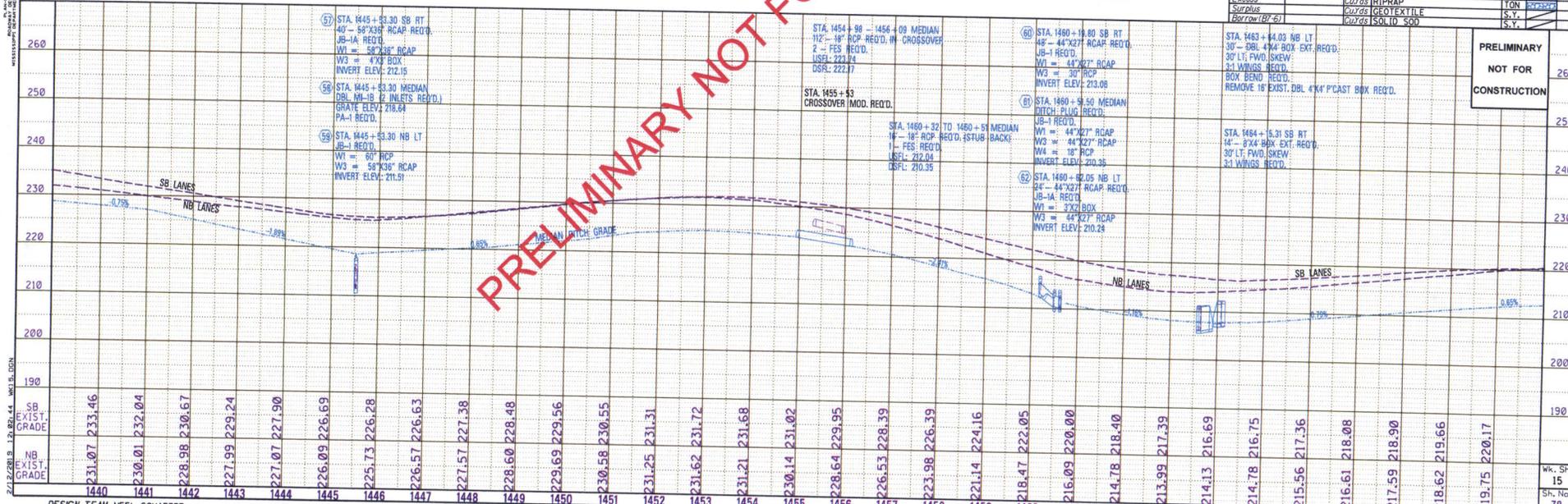
Curve MLH495B.16
 PT STA. 1444+47.67
 $\Delta = 5^{\circ} 20' 11.017''$ (LT)
 $D = 0^{\circ} 30' 54.330''$
 $L = 1,036.051'$
 $T = 518.401'$
 $R = 11,123.412'$
 BK N $0^{\circ} 28' 46.886''$ W
 AH N $5^{\circ} 48' 58.702''$ W
 PC 1439+29.270
 PT 1449+65.322

Curve MLH495B.19
 PT STA. 1458+07.95
 $\Delta = 5^{\circ} 17' 03.279''$ (RT)
 $D = 0^{\circ} 28' 51.333''$
 $L = 1,038.765'$
 $T = 549.772'$
 $R = 11,913.640'$
 BK N $5^{\circ} 48' 58.702''$ W
 AH N $0^{\circ} 31' 55.424''$ W
 PC 1452+58.074
 PT 1463+56.838



LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cur	7438	DITCH LINER	S.Y.	180		
Fill	5289	INTERLOCKING FLEXIBLE BLOCK	S.Y.			
Excavss		CUTS GRAVED DITCH	TON	27330	53	
Surplus		CUTS RIPRAP	S.Y.	51		
		CUTS GEOTEXTILE	S.Y.	51		
		CUTS SOLID SOO	S.Y.	8		



DESIGN TEAM: NEEL-SCHAFFER	FILENAME: WK15.DGN	COUNTY: FORREST	PROJECT NO.: HSP-0008-00(005)	SHEET ID: US HIGHWAY 49
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PRELIMINARY NOT FOR CONSTRUCTION	260
	250
	240
	230
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	210
	200
	190
	180
	170
	160
	150
	140
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	120
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	100
	90
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2/12/2015 10:07:44 MCLB.DGN
 MISSISSIPPI HIGHWAY DEPARTMENT
 MISSISSIPPI HIGHWAY DEPARTMENT

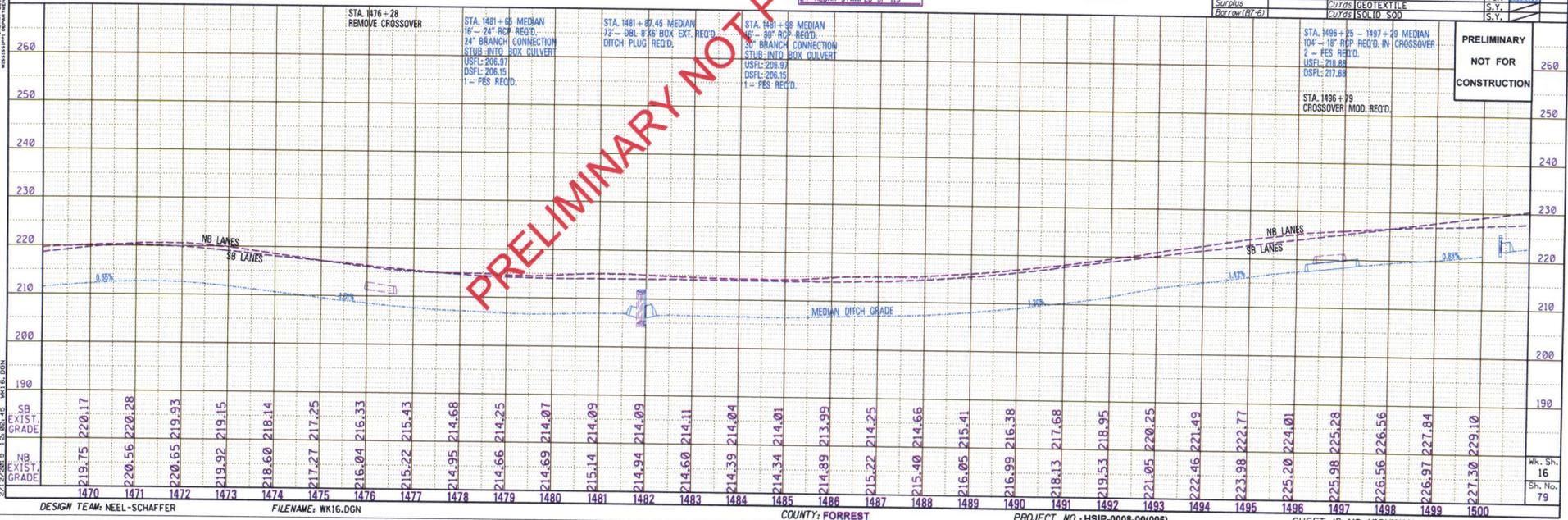
B.M. ELEV. 212.94
DESC. NOS. BENCHMARK 49V284

S.C.M. ELEV. 219.07
PT NAME: CP 114
N. 549518.392
E. 868869.350
DESC. 2" ALUMINUM DISK SET ON
24" REBAR STAMPED CP 114

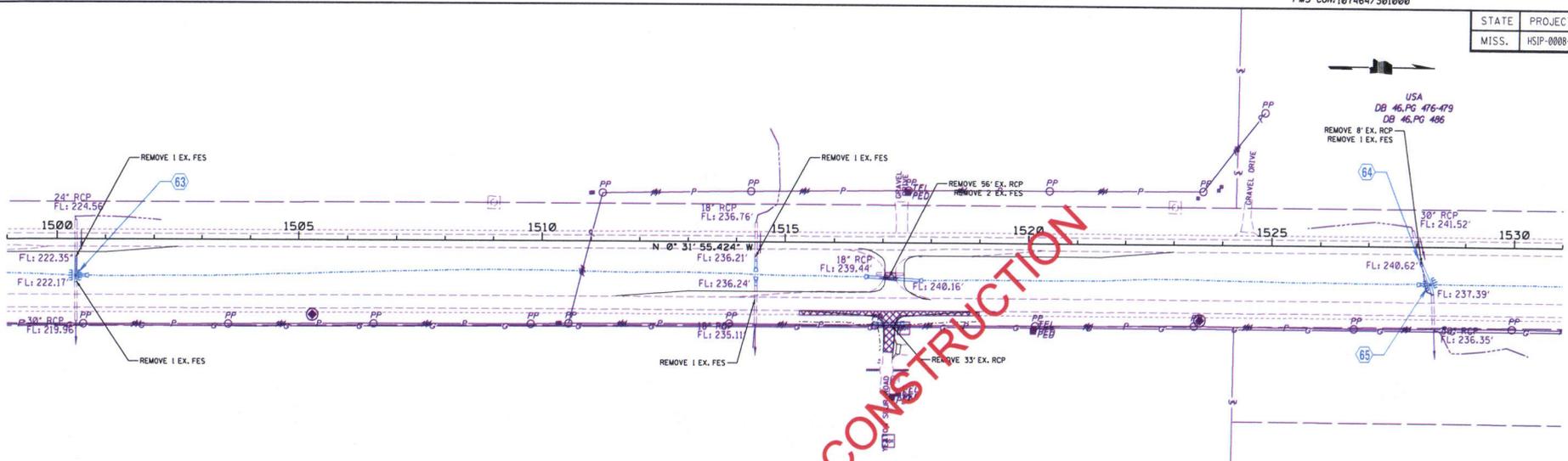
B.M. ELEV. 212.16
PT NAME: CP 115
N. 551035.734
E. 868861.584
DESC. 2" ALUMINUM DISK SET ON
24" REBAR STAMPED CP 115

LEGEND:
[Cross-hatched box] REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	908	Cut/dgs	DITCH LINER	S.Y.	[Symbol]	
Fill	199	Cut/dgs	INTERLOCKING FLEXIBLE BLOCK	S.Y.	[Symbol]	
Excess		Cut/dgs	PAVED DITCH	S.Y.	[Symbol]	
Surplus		Cut/dgs	RIPRAP	TON	[Symbol]	
Borrow(07-6)		Cut/dgs	GEOTEXTILE	S.Y.	[Symbol]	
		Cut/dgs	SOIL ID. 500	S.Y.	[Symbol]	



PRELIMINARY NOT FOR CONSTRUCTION



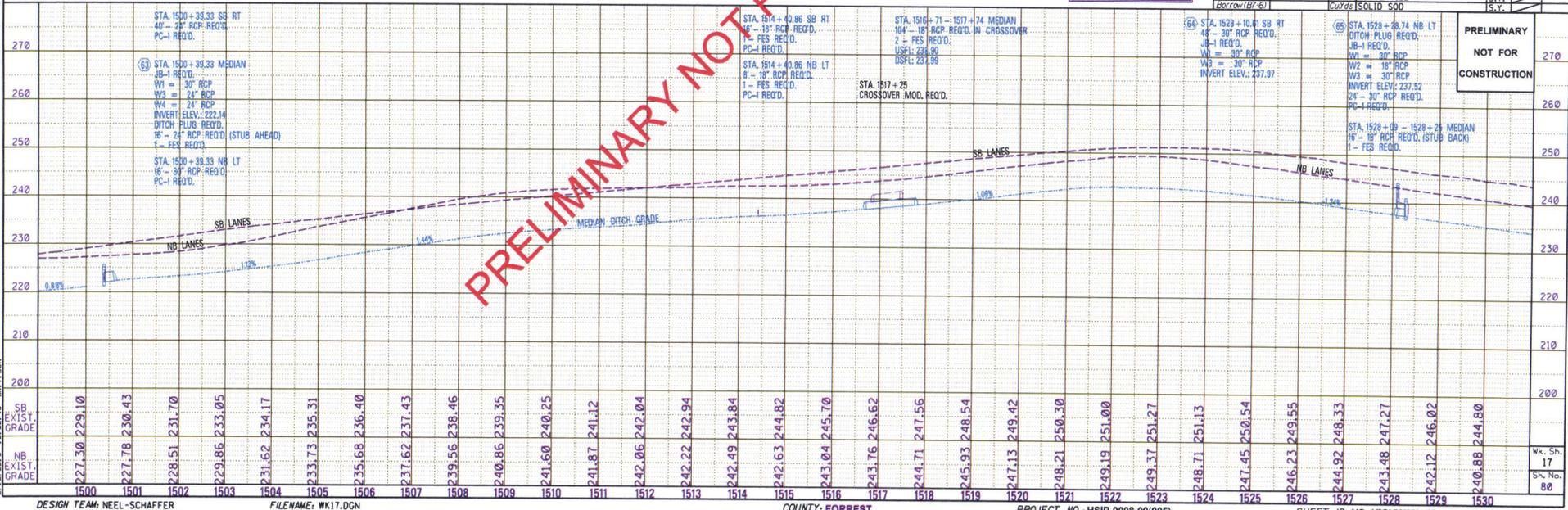
S.C.M. ELEV.	232.88
PT NAME:	CP 116
N.	552369.215
E.	868830.927
DESC:	2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 116

LEGEND:
 REMOVAL OF PAVEMENT

S.C.M. ELEV.	241.57
PT NAME:	CP 117
N.	554794.275
E.	868823.553
DESC:	2" ALUMINUM DISK SET ON 24" REBAR STAMPED CP 117

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	14498	DITCH LINER	S.Y.	1000	1000	
Fill	2354	INTERLOCKING FLEXIBLE BLOCK	S.Y.	1000	1000	
Access		PAVED DITCH	S.Y.	1000	1000	
Subbase		IRIPRAP	TON	1000	1000	
Bottom		GEOTEXTILE	S.Y.	1000	1000	
Bottom		SOLID SOO	S.Y.	1000	1000	

PRELIMINARY NOT FOR CONSTRUCTION

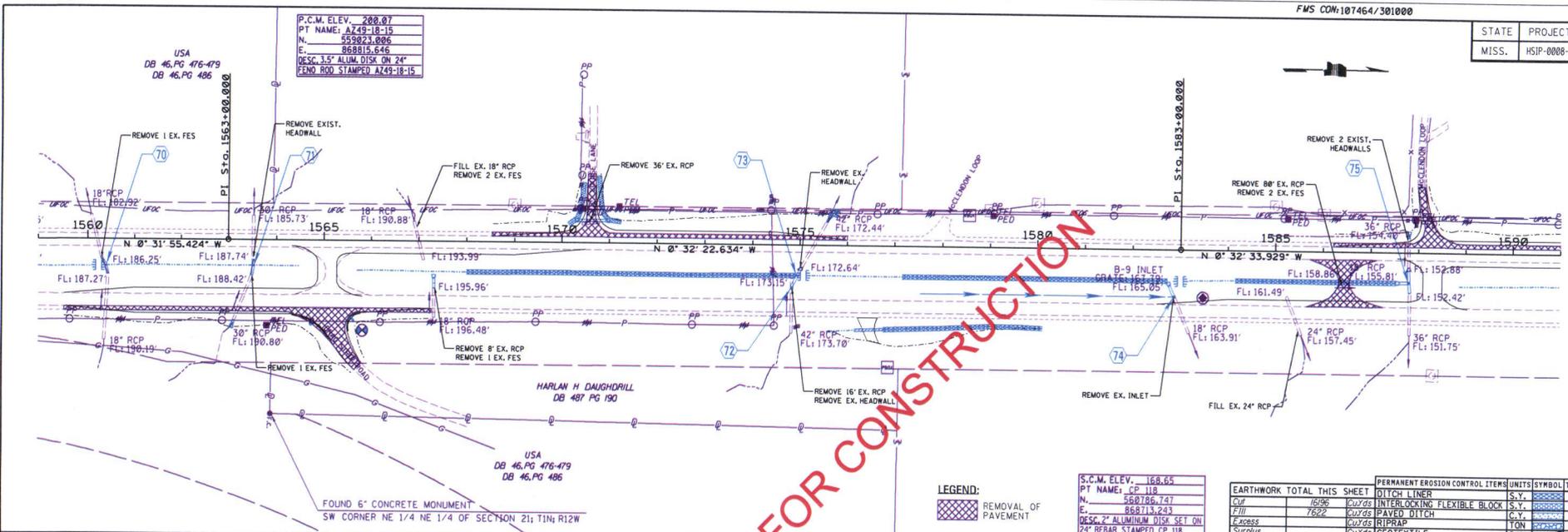


PRELIMINARY
 NOT FOR
 CONSTRUCTION

2/22/2008 9:18:06 AM WK17.DGN
 A:\projects\107464\301000\107464_301000.dwg
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

P.C.M. ELEV. 200.07
 PT NAME: A749-18-15
 N. 55923.006
 E. 868815.646
 DESC. 3.5" ALUM. DISK ON 24"
 FENO ROD STAMPED A749-18-15

USA
 DB 46, PG 476-479
 DB 46, PG 486



PRELIMINARY NOT FOR CONSTRUCTION

LEGEND:
 REMOVAL OF PAVEMENT

S.C.M. ELEV. 168.55
 PT NAME: CP 118
 N. 560786.747
 E. 868713.243
 DESC. 2" ALUMINUM DISK SET ON
 24" REBAR STAMPED CP 118

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	1696	CU/YDS	DITCH LINER	S.Y.	854	
Fill	7622	CU/YDS	INTERLOCKING FLEXIBLE BLOCK	S.Y.	98	
Excavate		CU/YDS	PAVED DITCH	S.Y.	3	
Surface		CU/YDS	RIPRAP	TON	41	
Borrow	272	CU/YDS	GEOTEXTILE	S.Y.	39	
		CU/YDS	SOLID SOD	S.Y.	72	

STATION	SB EXIST. GRADE	NB EXIST. GRADE	SB LINES	NB LINES	DESIGN NOTES
1560	198.42	198.62	0.3%	0.7%	STA. 1560+26 MEDIUM DITCH PLUG REQ'D.
1561	198.58	199.07			
1562	198.98	199.46			
1563	199.43	199.93			
1564	199.89	200.26			
1565	199.89	200.26			
1566	199.24	200.53			
1567	198.48	200.55			
1568	198.52	200.12			
1569	197.97	199.24			
1570	197.14	198.08			
1571	195.92	196.21			
1572	194.18	194.39			
1573	192.51	192.41			
1574	190.38	190.52			
1575	188.41	188.55			
1576	186.47	186.58			
1577	184.40	184.61			
1578	182.09	182.78			
1579	180.09	180.89			
1580	177.90	178.61			
1581	175.85	176.25			
1582	173.56	173.75			
1583	171.55	171.32			
1584	169.41	169.04			
1585	167.30	166.63			
1586	165.04	164.37			
1587	163.03	162.13			
1588	161.01	160.42			
1589	159.33	159.40			
1590	158.52	158.75			

REVISIONS: 1. DATE: 11/15/2019 BY: [unreadable]

2/12/2019 1:24:02 PM WK19.DGN

STATE	PROJECT NO.
MISS.	HSIP-0008-00(005)

Curve ML49SB_26
 PI STA. 1605+44.04
 Δ = 18° 59' 59.949" (LT)
 D = 1' 59' 35.655"
 L = 953.222'
 T = 481.021'
 R = 2,874.509'
 BK N 0° 32' 33.929" W
 AH N 19° 32' 03.878" W
 PC 1600+63.016
 PT 1610+16.238



C.M. ELEV	157.75
PT NAME	AZ49V206
N.	562780.510
E.	868730.431
DESC	3.5" ALUM. DISK ON 24"
END ROD	STAMPED AZ49V206

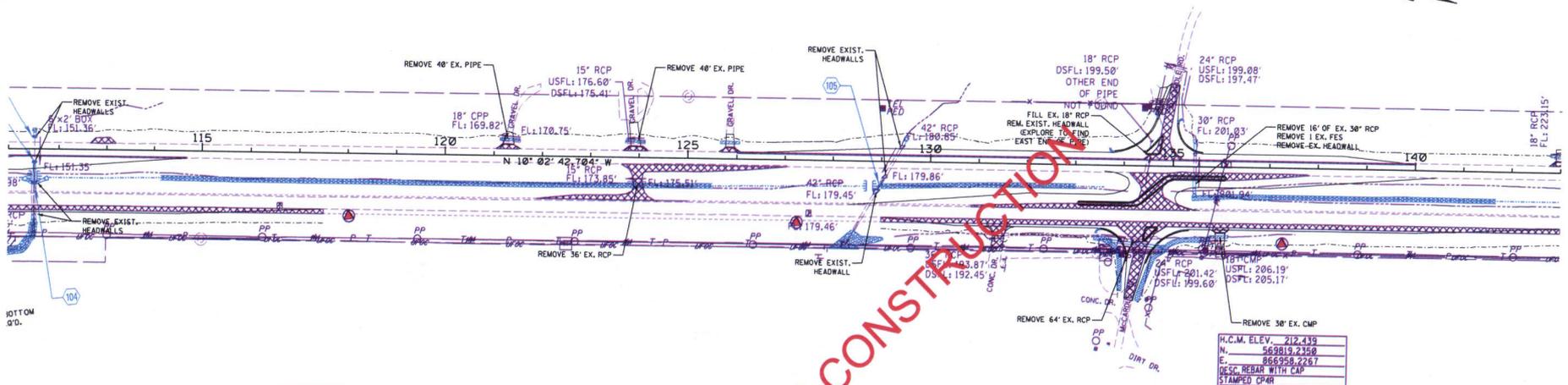
LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	4640	DITCH LINER	INTERLOCKING FLEXIBLE BLOCK	S.Y.		
Fill	13497	DITCH	PAVED DITCH	S.Y.		5
Excess		DITCH	RIPRAP	TON		300000
Surplus		DITCH	GEOTEXTILE	S.Y.		
Borrow (BT-5)	2446	DITCH	SOLID T. SOD	S.Y.		143

STATION	SB EXIST. GRADE	NB EXIST. GRADE	SB LANES	NB LANES	DESIGNATION	REMARKS
1589	159.40	159.33				
1590	158.75	158.52				
1591	158.58	158.12				
1592	158.60	158.16				
1593	158.55	158.14				
1594	158.63	158.14				
1595	158.47	158.12				
1596	158.69	158.16				
1597	158.78	158.20				
1598	158.67	158.04				
1599	158.71	158.20				
1600	158.78	158.07				
1601	158.56	158.12				
1602	158.03	158.11				
1603	157.99	157.97				
1604	157.92	157.71				
1605	157.89	157.41				
1606	157.91	157.24				
1607	157.89	156.95				
1608	157.93	157.08				
1609	157.76	157.14				
1610	157.48	157.18				
72	157.39	157.29				
73	157.38	157.50				
74	157.42	157.62				
75	157.42	157.86				
76	157.46	157.92				
77	157.44	158.15				
78	157.55	158.26				
79	157.87	158.47				
80	158.71	158.58				
81	159.83	158.18				

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY
 NOT FOR
 CONSTRUCTION



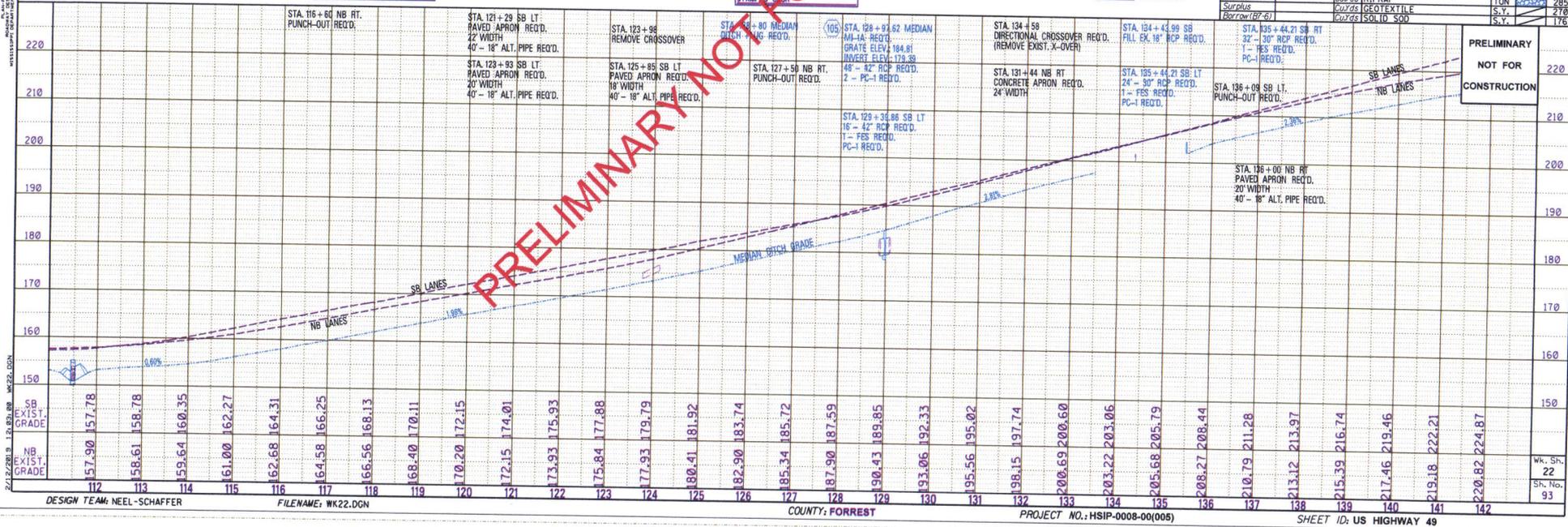
H.C.M. ELEV.	165.579
N.	567919.9820
E.	857457.8015
DESC. REBAR WITH CAP STAMPED CP4R	

H.C.M. ELEV.	147
N.	568220.920
E.	857110.281
DESC. REBAR WITH CAP STAMPED CP4R	

H.C.M. ELEV.	212.439
N.	562813.2359
E.	866959.2767
DESC. REBAR WITH CAP STAMPED CP4R	

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	72.30	Ditch Liner		S.Y.	3500	891
Fill	648	Curbs	INTERLOCKING FLEXIBLE BLOCK	S.Y.	3500	232
Excess		Curbs	PAVED DITCH	C.Y.	2000	4
Surplus		Curbs	RIPRAP	TON	2000	285
Borrow (B7-5)		Curbs	GEOTEXTILE	S.Y.	2000	278
		Curbs	SOLID SOD	S.Y.	2000	176



2/12/2019 1:26:03 PM WK22.DGN

DESIGN TEAM: NEEL-SCHAFFER

FILENAME: WK22.DGN

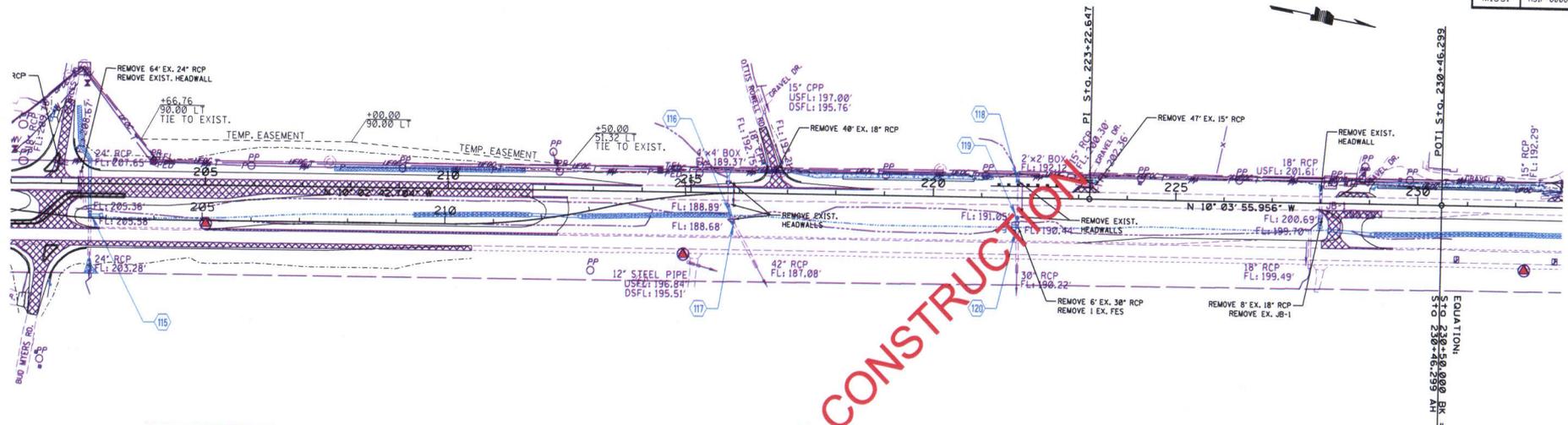
COUNTY: FORREST

PROJECT NO.: HSIP-0008-001005

SHEET ID: US HIGHWAY 49

PRELIMINARY
NOT FOR
CONSTRUCTION

WK. SH.	22
SH. NO.	93



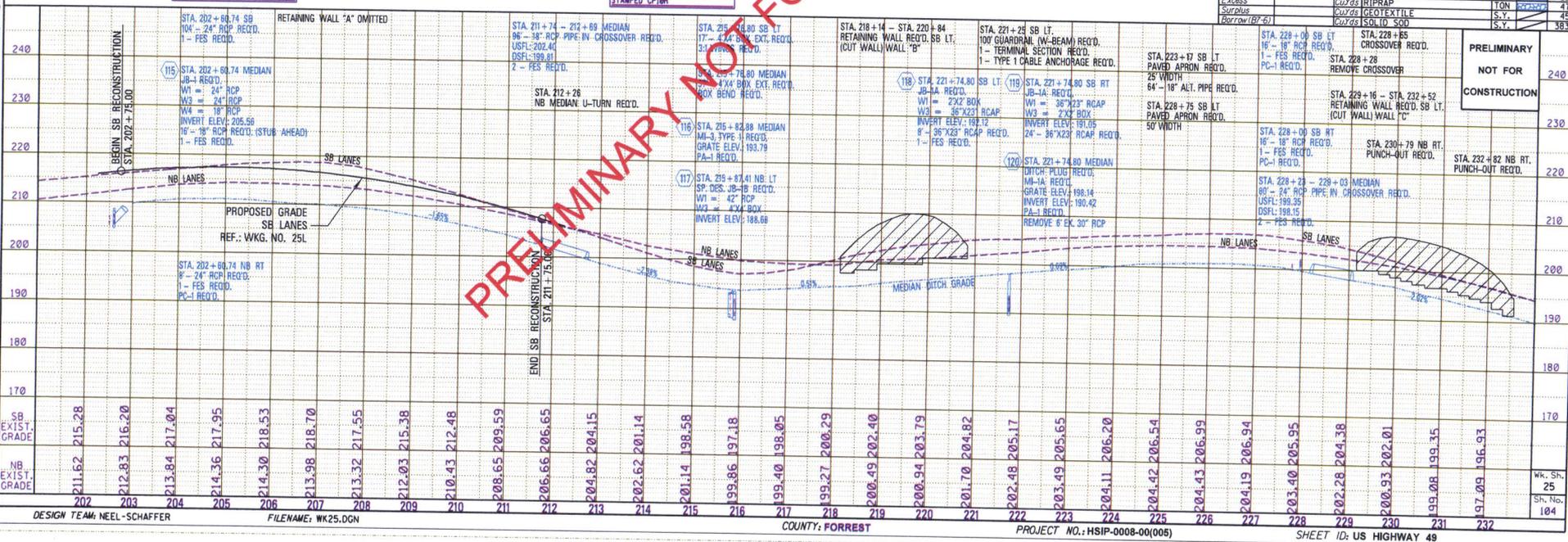
N.C.M. ELEV.	212.828
N.	576473.4517
E.	865701.9209
DESC. REBAR WITH CAP	
STAMPED CPBR	

M.C.M. ELEV.	200.445
N.	577450.0395
E.	865576.7615
DESC. REBAR WITH CAP	
STAMPED CPBR	

LEGEND:

	REMOVAL OF PAVEMENT
--	---------------------

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	3946	Ditch Liner	INTERLOCKING FLEXIBLE BLOCK	S.Y.		231
Fill	6465	Ditch	PAVED DITCH	C.Y.		309
Excess		Ditch	RIPRAP	C.Y.		52
Surplus		Ditch	GEOTEXTILE	TON		47
Borrow	(187.61)	Ditch	SOLID SOD	S.Y.		45
				S.Y.		383

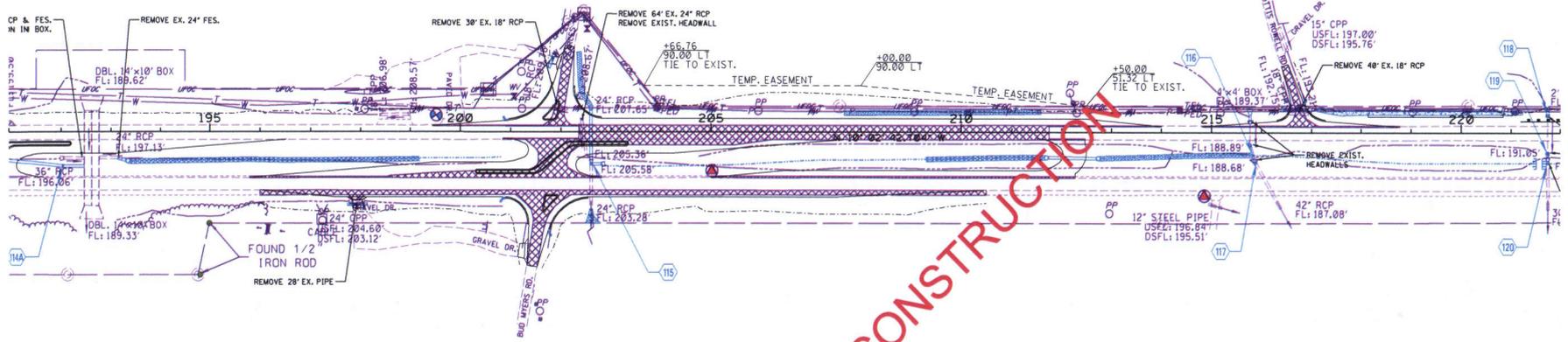


PRELIMINARY NOT FOR CONSTRUCTION

2/12/2008 10:13:48 AM B:\PROJECTS\107464\301000\DWG\WK25.DGN
 MISSISSIPPI STATE HIGHWAY DEPARTMENT
 MISSISSIPPI STATE HIGHWAY DEPARTMENT

P.C.M. ELEV.	212.489
N.	575513.7078
E.	865591.4150
DESC.	REBAR WITH CAP
STAMPED	49-18-6 RESET

STATE	PROJECT NO.
MISS.	HSIP-0008-00(005)



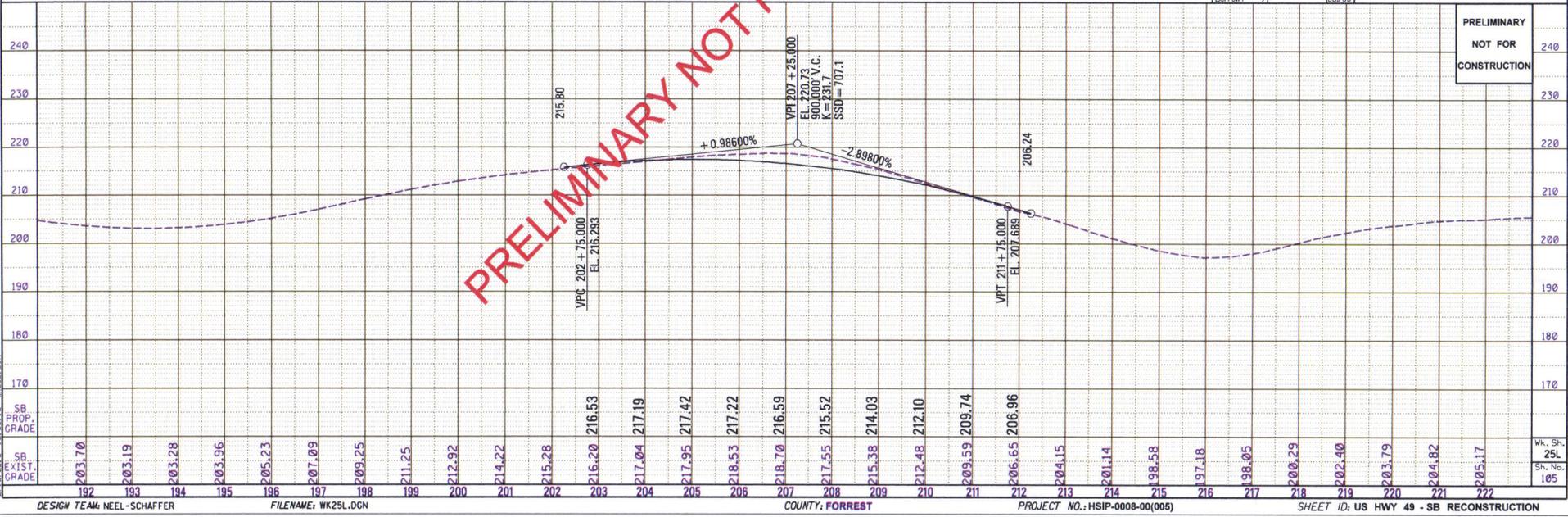
H.C.M. ELEV.	212.828
N.	576473.4517
E.	865701.9289
DESC.	REBAR WITH CAP
STAMPED	CP18

LEGEND:
 REMOVAL OF PAVEMENT

H.C.M. ELEV.	208.445
N.	577458.0595
E.	865576.7615
DESC.	REBAR WITH CAP
STAMPED	CP18

EARTHWORK TOTAL THIS SHEET		
Cut	1012	Cu/Yds
Fill	1158	Cu/Yds
Excav	8665	Cu/Yds
Surplus		Cu/Yds
Sp/ft	1	Cu/Yds

PRELIMINARY NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

2/2/2008 12:08:12 WK25L.DGN
 PROJECT: 49-18-6 SB RECONSTRUCTION
 DRAWING: SB RECONSTRUCTION - PLAN AND PROFILE
 SHEET: 49-18-6 SB RECONSTRUCTION - PLAN AND PROFILE

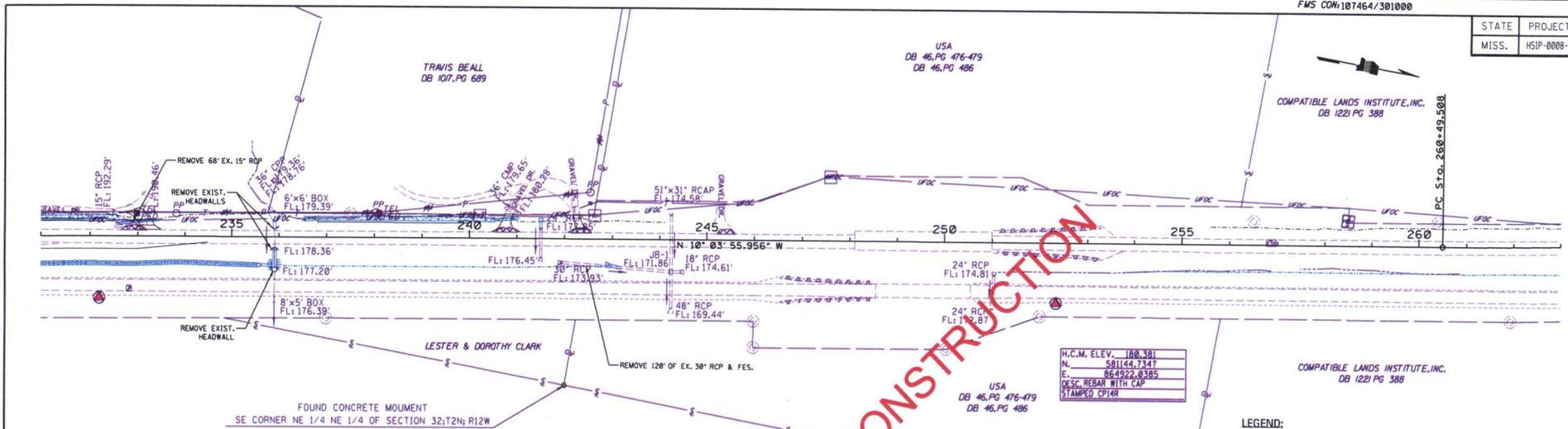
Wk. Sh.
25L
Sh. No.
105

STATE	PROJECT NO.
MISS.	HSP-0008-00(005)

TRAVIS BEALL
DB 1017.PG 689

USA
DB 46.PG 476-479
DB 46.PG 486

COMPATIBLE LANDS INSTITUTE, INC.
DB 1221.PG 388



FOUND CONCRETE MOUMENT
SE CORNER NE 1/4 NE 1/4 OF SECTION 32; T24; R12W

FOUND CONCRETE MOUMENT
NE CORNER OF SECTION 32; T24; R12W

H.C.M. ELEV.	195.380
N.	579161.7285
E.	85276.4783
DESC.	REBAR WITH CAP
STAMPED	CPI4R

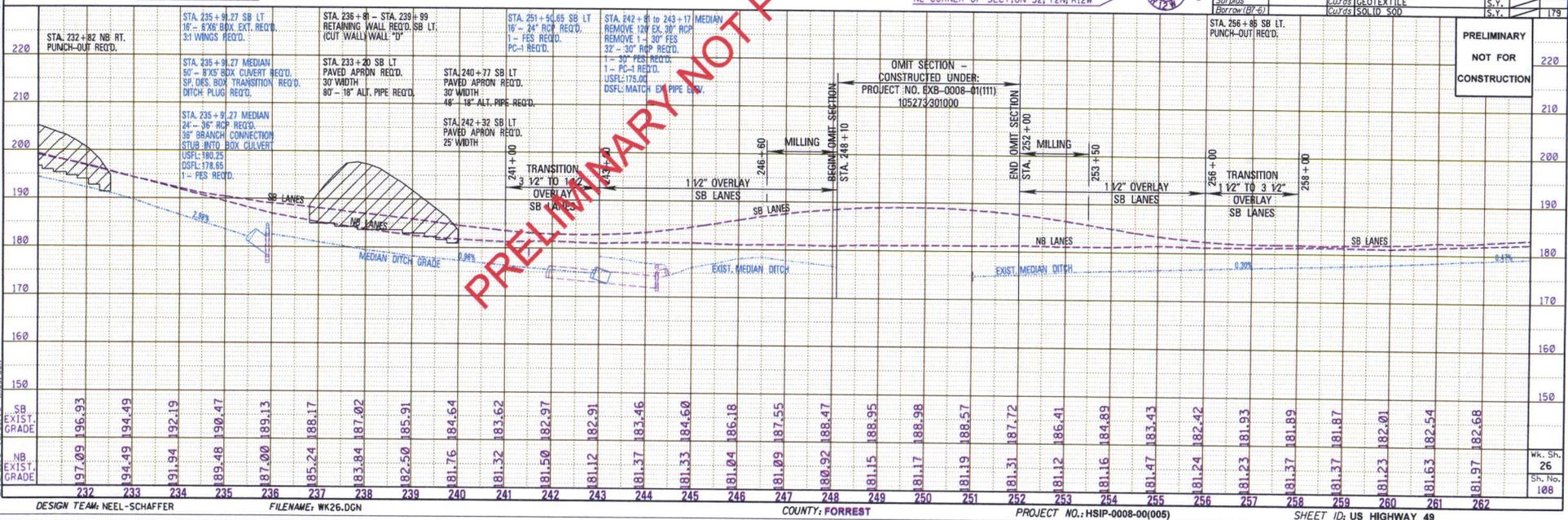
H.C.M. ELEV.	180.381
N.	581144.7347
E.	864922.6385
DESC.	REBAR WITH CAP
STAMPED	CPI4R

LEGEND:
[Symbol] REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
		ITEM	QUANTITY			
Cut	5063	DITCHES	DITCH LINER	S.Y.	[Symbol]	162
Fill	4895	DITCHES	PAVED DITCH	S.Y.	[Symbol]	24
Excavate		DITCHES	RIPRAP	TON	[Symbol]	
Surface		DITCHES	GEOTEXTILE	S.Y.	[Symbol]	
Bottom (B-6)		DITCHES	SOLID SOIL	S.Y.	[Symbol]	179

DATE PLOTTED: 08/12/2010 10:11:11 AM

2/12/2010 10:11:11 AM



PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGN TEAM: NEEL-SCHAFFER

FILENAME: WK26.DGN

COUNTY: FORREST

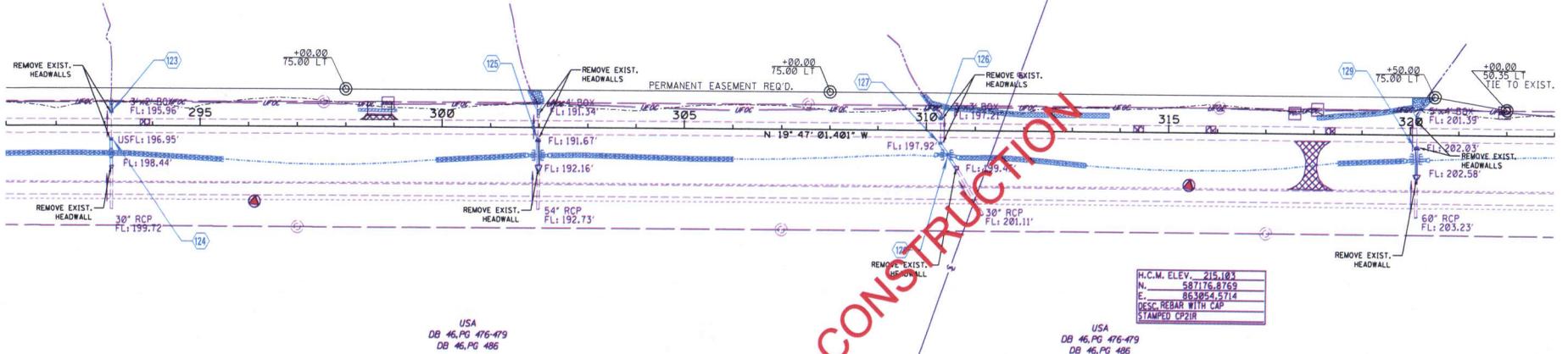
PROJECT NO.: HSP-0008-00(005)

SHEET ID: US HIGHWAY 49

Wk. Sh.
26
Sh. No.
108

USA
DB 46, PG 476-479
DB 46, PG 486

USA
DB 46, PG 476-479
DB 46, PG 486



H.C.M. ELEV.	207.746
N.	585376.8847
E.	863749.6582
DESC: REBAR WITH CAP	
STAMPED CP2IR	

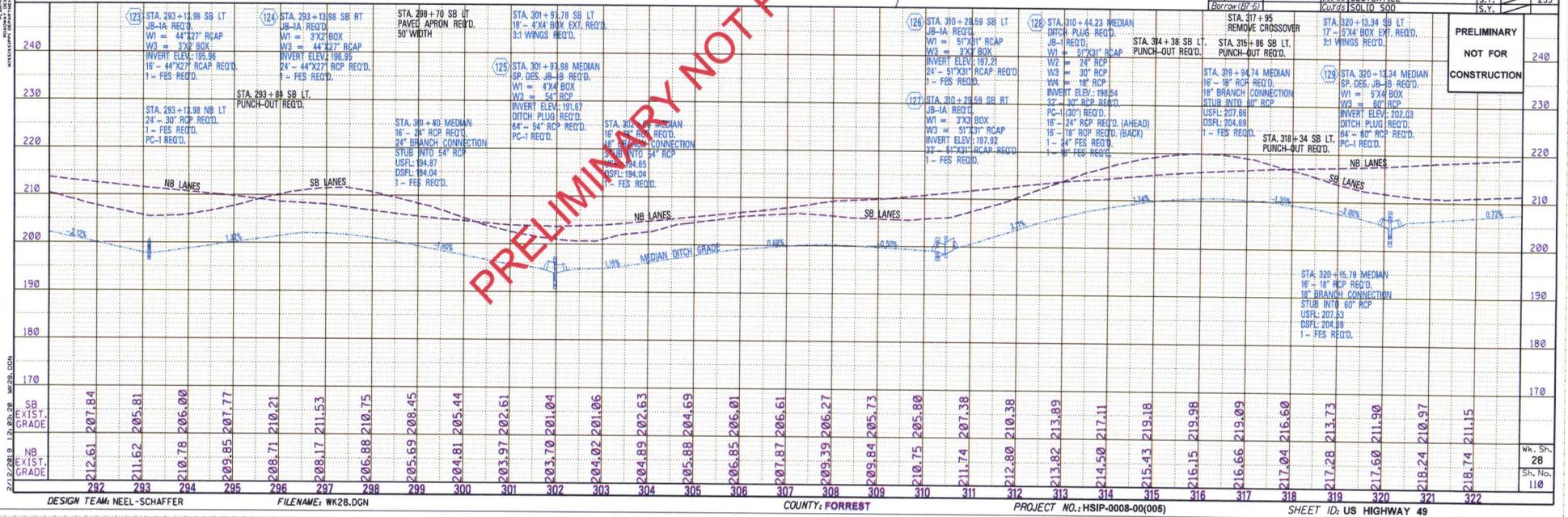
USA
DB 46, PG 476-479
DB 46, PG 486

USA
DB 46, PG 476-479
DB 46, PG 486

H.C.M. ELEV.	215.103
N.	587176.8769
E.	863854.5714
DESC: REBAR WITH CAP	
STAMPED CP2IR	

LEGEND:
REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	22843	Cu/Yds	DITCH LINER	S.Y.	□	355
Fill	12672	Cu/Yds	INTERLOCKING FLEXIBLE BLOCK	S.Y.	□	431
Excess		Cu/Yds	PAVED DITCH	C.Y.	□	245
Surplus		Cu/Yds	RIPRAP	TON	□	245
		Cu/Yds	GEOTEXTILE	S.Y.	□	233
		Cu/Yds	SOLID SOO	S.Y.	□	233



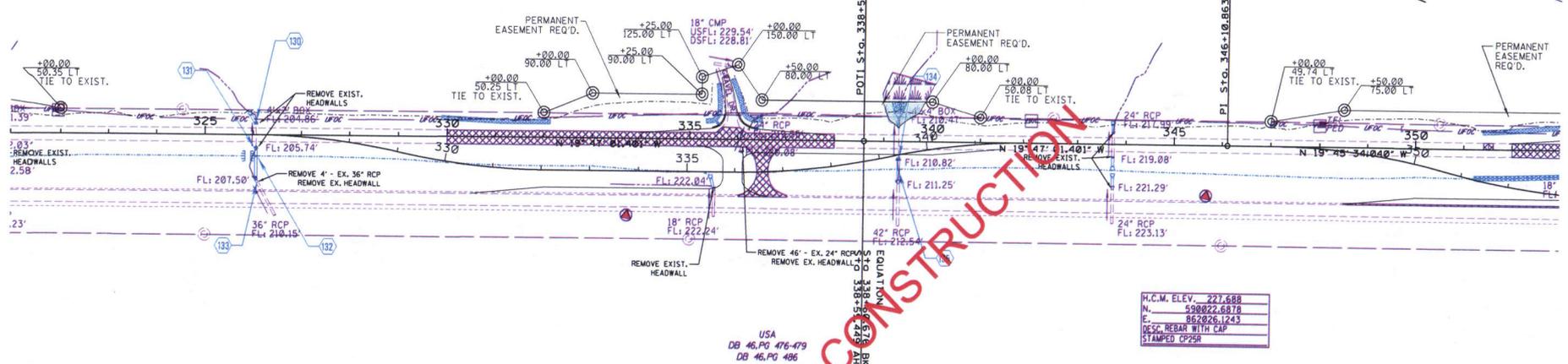
2/12/2019 9:12:00 AM WK28.DGN

STATION	DESCRIPTION	SYMBOL	TOTALS
240	PRELIMINARY NOT FOR CONSTRUCTION	□	240
230		□	230
220		□	220
210		□	210
200		□	200
190		□	190
180		□	180
170		□	170
		□	Wk. Sh. 28
		□	Sh. No. 110

USA
DB 46, PG 476-479
DB 46, PG 486

WETLAND SITE	
TEMPORARILY FILLED	0.03 AC.
PERMANENTLY FILLED	0.04 AC.
BRIDGED	AC.

USA
DB 46, PG 476-479
DB 46, PG 486



H.C.M. ELEV.	221.688
N.	530022.678
E.	862026.1243
DESC.	REBAR WITH CAP
STAMPED	CP25R

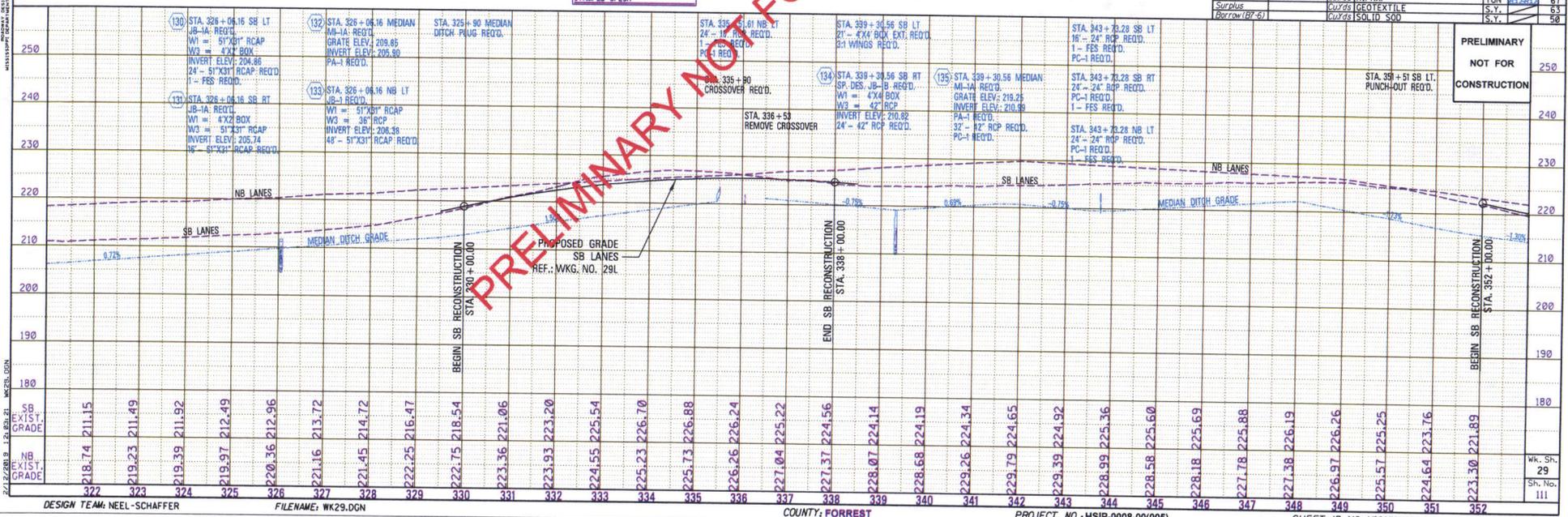
USA
DB 46, PG 476-479
DB 46, PG 486

H.C.M. ELEV.	222.873
N.	588914.859
E.	862481.0532
DESC.	REBAR WITH CAP
STAMPED	CP23R

LEGEND:
[Symbol] REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	1494'	DITCH LINER	S.Y.	[Symbol]	265
Fill	9329'	INTERLOCKING FLEXIBLE BLOCK	S.Y.	[Symbol]	3
Leaves		PAVED DITCH	S.Y.	[Symbol]	67
Surplus		GEOTEXTILE	TON	[Symbol]	63
Borrow (BT-6)		SOLID SOO	S.Y.	[Symbol]	58

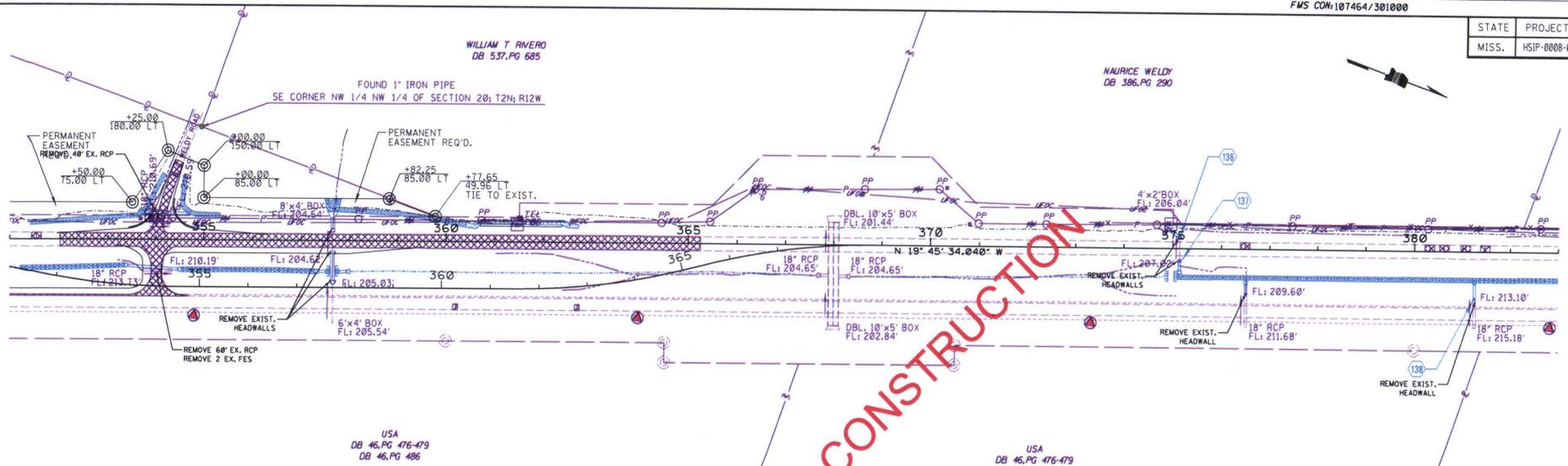
DATE: 02/22/2019 10:03:21 WK29.DGN



PRELIMINARY
NOT FOR
CONSTRUCTION

WILLIAM T RIVERO
DB 537, PG 685

MAURICE WELDY
DB 386, PG 290



USA
DB 46, PG 476-479
DB 46, PG 486

USA
DB 46, PG 476-479
DB 46, PG 486

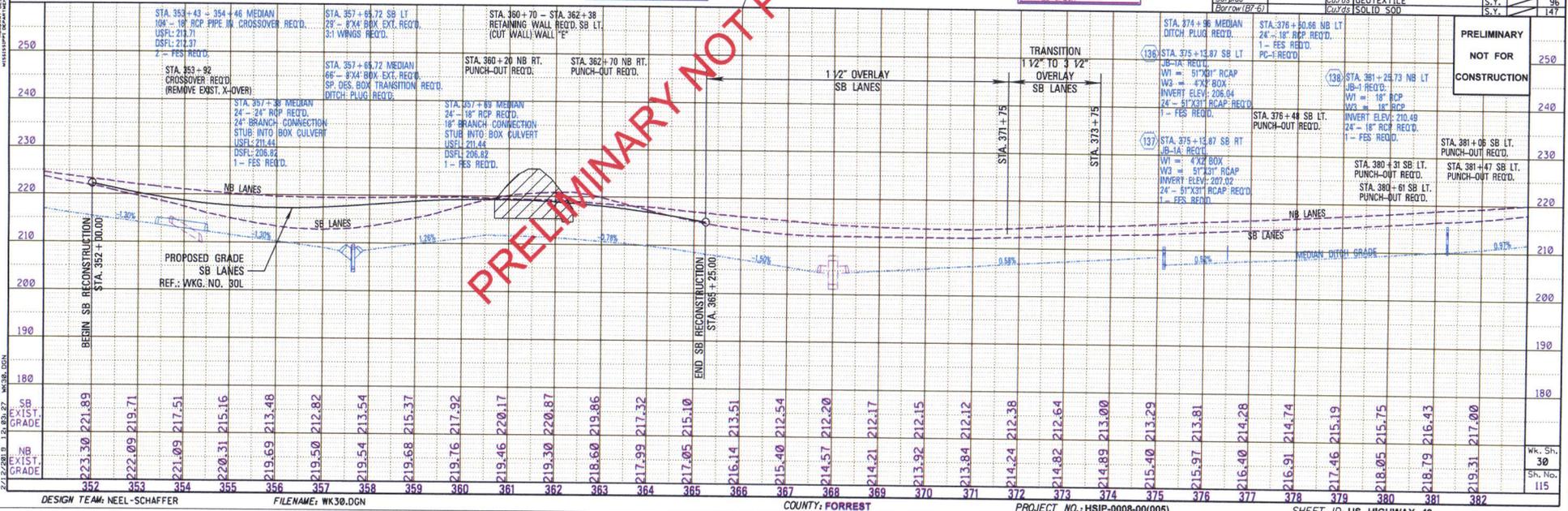
H.C.M. ELEV.	219.235
N.	520893.6582
E.	861765.5892
DESC.	REBAR WITH CAP
STAMPED	CP28R

H.C.M. ELEV.	216.674
N.	531761.1778
E.	861454.9370
DESC.	REBAR WITH CAP
STAMPED	CP28R

H.C.M. ELEV.	213.388
N.	532641.8300
E.	861139.4720
DESC.	REBAR WITH CAP
STAMPED	CP28R

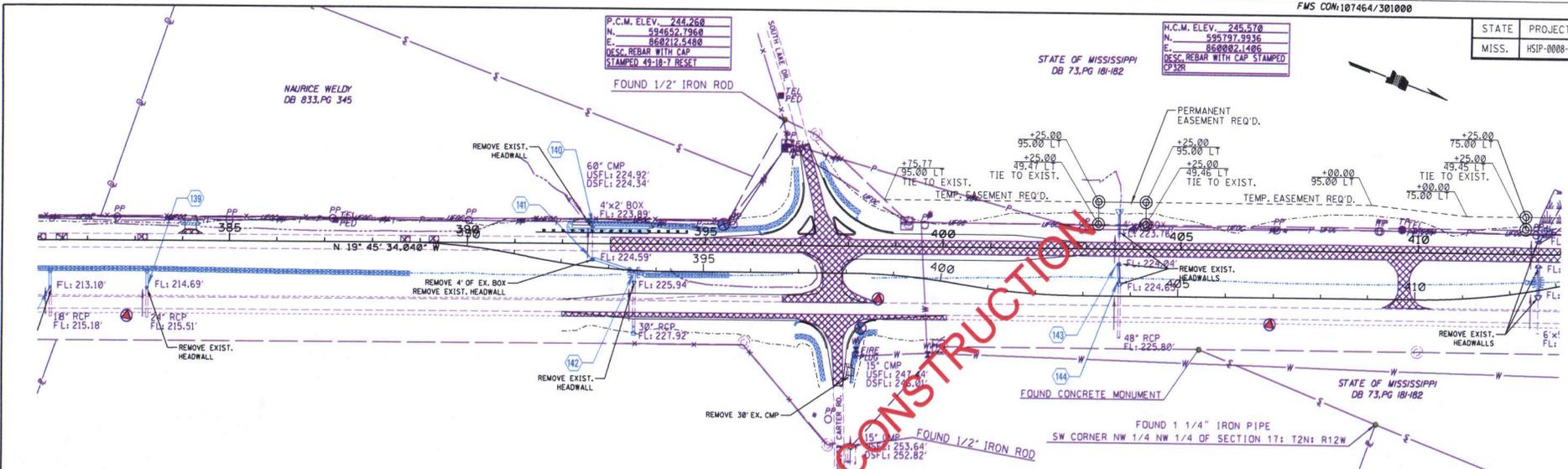
LEGEND:
[Hatched Box] REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
		DITCH LINER	INTERLOCKING FLEXIBLE BLOCK			
Cut	394'			S.Y.		218
Fill	4394'			S.Y.		538
Access				TON		14
Surfaces				S.Y.		101
Borrow (BY 6)				S.Y.		96



PRELIMINARY NOT FOR CONSTRUCTION

STATION	DESCRIPTION	UNITS	SYMBOL	TOTALS
352	STA. 352+00.00			
353	STA. 353+00.00			
354	STA. 354+00.00			
355	STA. 355+00.00			
356	STA. 356+00.00			
357	STA. 357+00.00			
358	STA. 358+00.00			
359	STA. 359+00.00			
360	STA. 360+00.00			
361	STA. 361+00.00			
362	STA. 362+00.00			
363	STA. 363+00.00			
364	STA. 364+00.00			
365	STA. 365+00.00			
366	STA. 366+00.00			
367	STA. 367+00.00			
368	STA. 368+00.00			
369	STA. 369+00.00			
370	STA. 370+00.00			
371	STA. 371+00.00			
372	STA. 372+00.00			
373	STA. 373+00.00			
374	STA. 374+00.00			
375	STA. 375+00.00			
376	STA. 376+00.00			
377	STA. 377+00.00			
378	STA. 378+00.00			
379	STA. 379+00.00			
380	STA. 380+00.00			
381	STA. 381+00.00			
382	STA. 382+00.00			



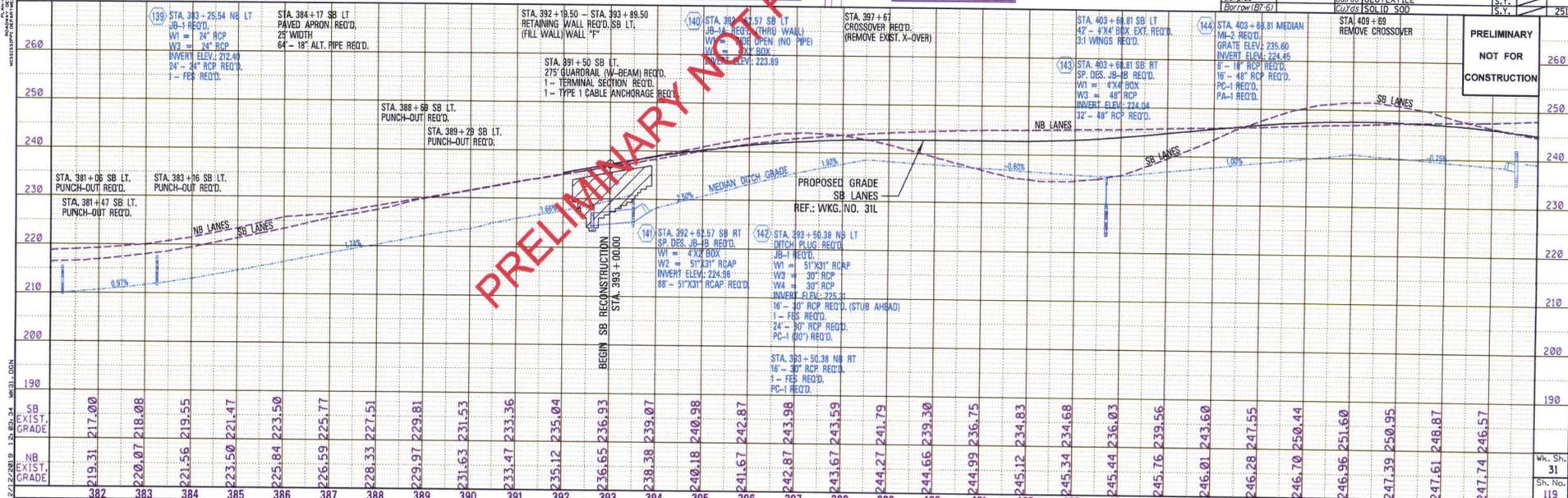
H.C.M. ELEV. 218.095
N. 593537.0358
E. 860817.8618
DESC. REBAR WITH CAP
STAMPED CP28R

P.C.M. ELEV. 243.210
N. 594652.7960
E. 860212.5480
DESC. REBAR WITH CAP
STAMPED A249-18-7 RESET

H.C.M. ELEV. 243.816
N. 595009.1869
E. 860239.9213
DESC. REBAR WITH CAP STAMPED
CP31R

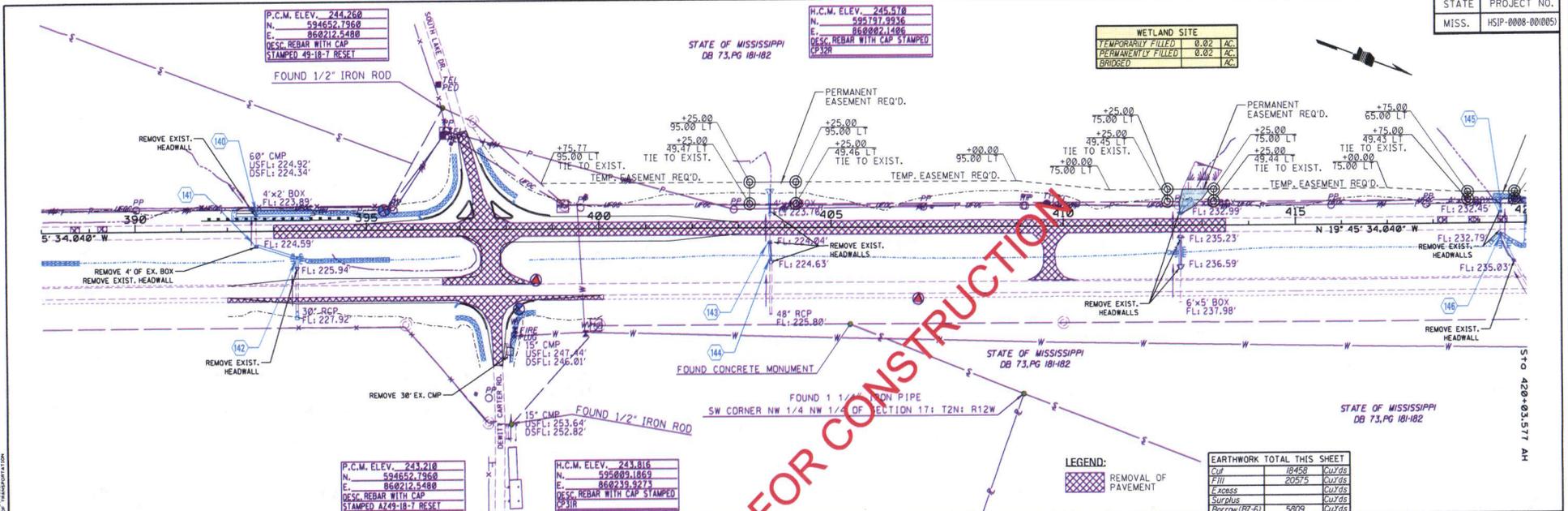
LEGEND:
[Cross-hatched box] REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	2007.3	Ditches	INTERLOCKING FLEXIBLE BLOCK	S.Y.	[Symbol]	564
Fill	4674	Ditches	PAVED DITCH	S.Y.	[Symbol]	241
Leaves		Ditches	RIPRAP	TON	[Symbol]	14
Structures		Ditches	GEOTEXTILE	S.Y.	[Symbol]	251
Borrow (B7-6)		Ditches	SOLID SOIL	S.Y.	[Symbol]	251

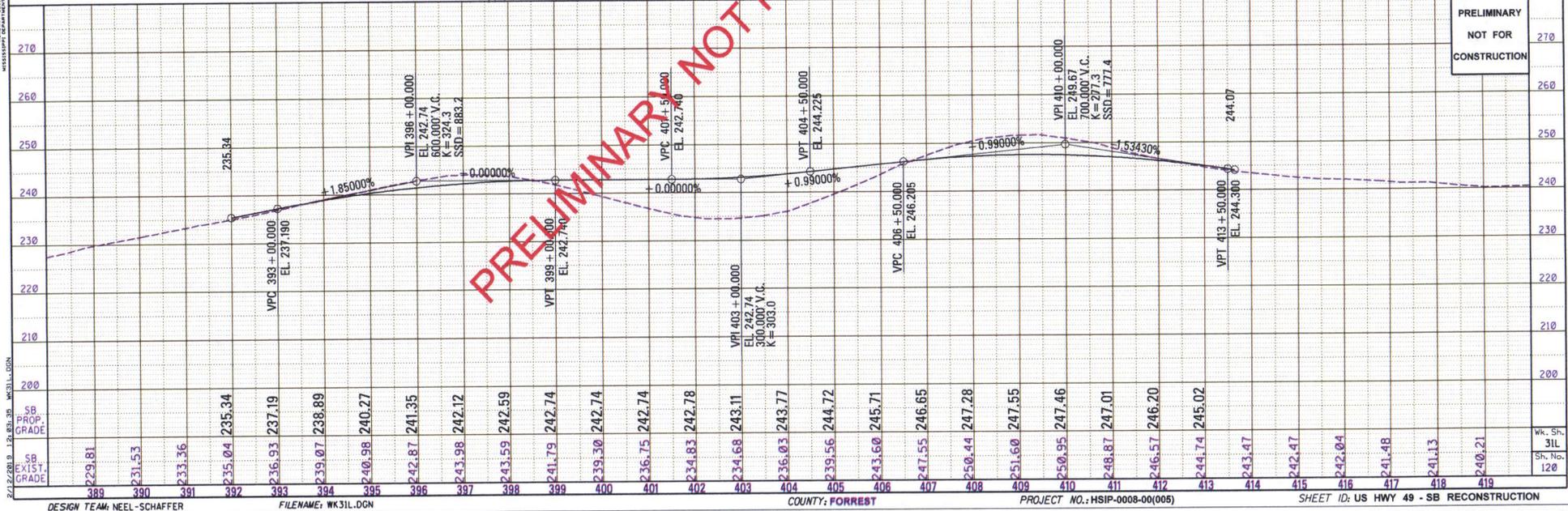


PRELIMINARY
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CONSTRUCTION

STATE	PROJECT NO.
MISS.	HSP-0008-00(005)



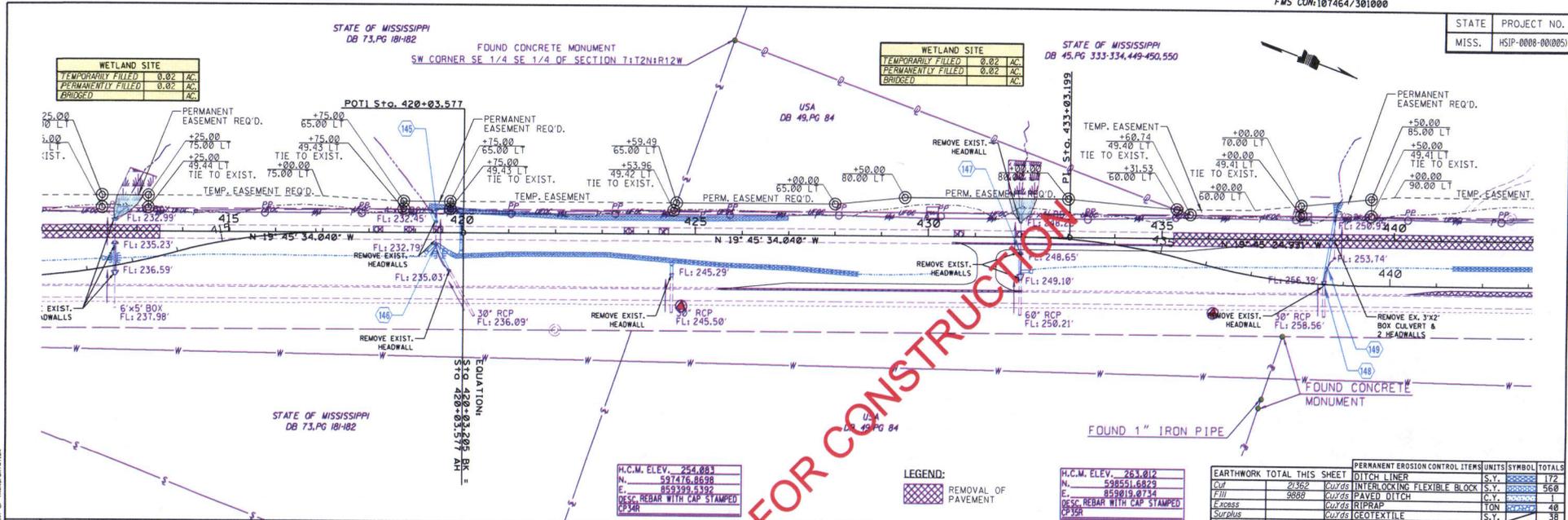
MISSISSIPPI DEPARTMENT OF TRANSPORTATION



Wk. Sh. 31L
Sh. No. 120

WETLAND SITE	
TEMPORARILY FILLED	0.02 AC
PERMANENTLY FILLED	0.02 AC
PERMANENTLY FILLED	0.02 AC
BRIDGE	

WETLAND SITE	
TEMPORARILY FILLED	0.02 AC
PERMANENTLY FILLED	0.02 AC
BRIDGE	

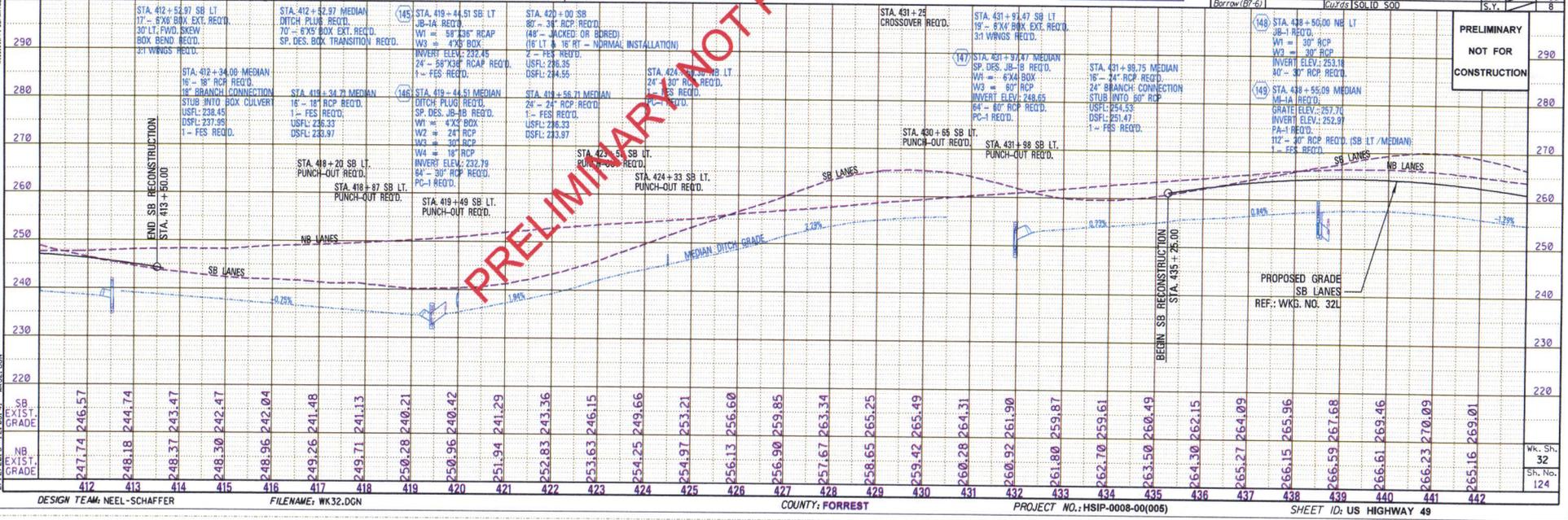


H.C.M. ELEV.	254.883
N.	597476.8638
E.	859399.5392
DES. REBAR WITH CAP STAMPED	
CP-39	

LEGEND:	REMOVAL OF PAVEMENT
---------	---------------------

H.C.M. ELEV.	263.012
N.	598551.6829
E.	859019.0734
DES. REBAR WITH CAP STAMPED	
CP-39	

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
		DITCH LINER	INTERLOCKING FLEXIBLE BLOCK			
Cut	2362	Cu	S.Y.	172		
Fill	9888	Cu	S.Y.	568		
Excav		Cu	S.Y.	40		
Surplus		Cu	S.Y.	38		
Borrow (B7-6)		Cu	S.Y.	8		



PRELIMINARY - NOT FOR CONSTRUCTION

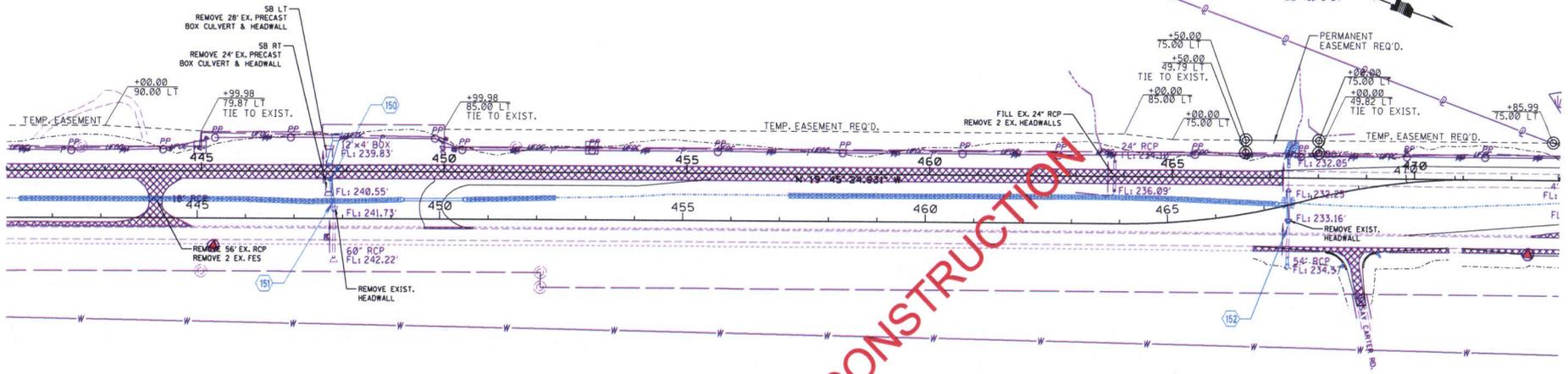
PRELIMINARY
NOT FOR
CONSTRUCTION

Wk. Sh. 32
Sh. No. 124

STATE OF MISSISSIPPI
DB 45, PG 333-334, 449-450, 550

FMS CON: 107464/301000

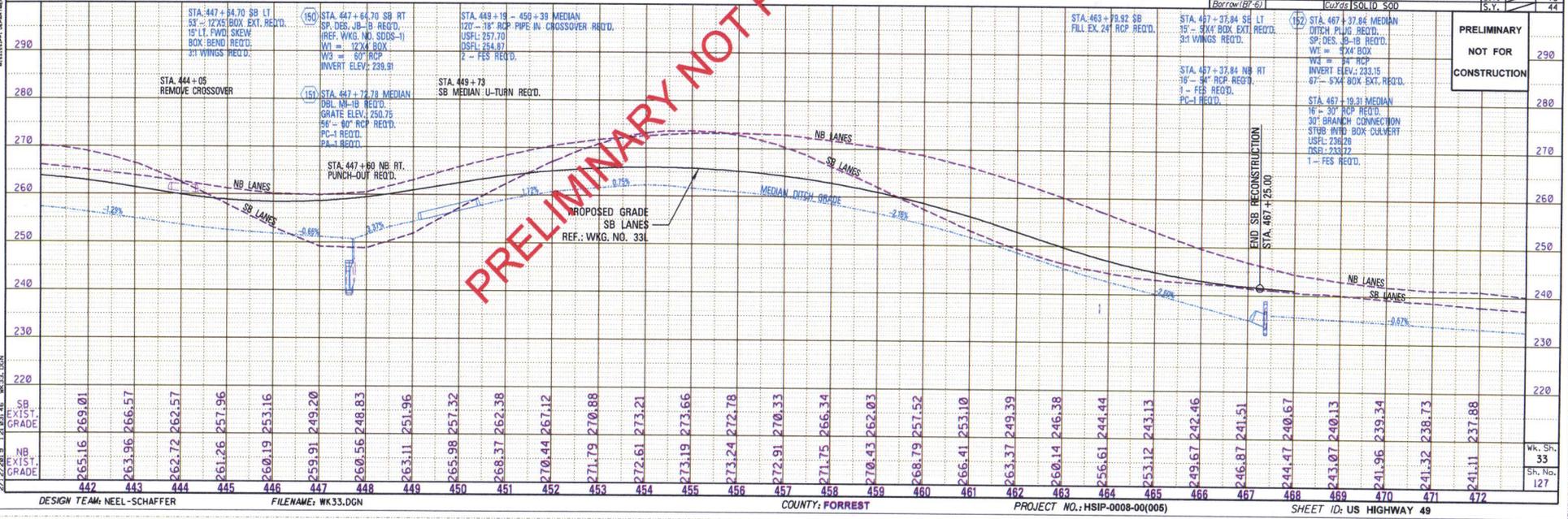
STATE	PROJECT NO.
MISS.	HSP-0008-00005



H.C.M. ELEV.	260.175
N.	599410.3339
E.	654786.1883
DESC. REBAR WITH CAP STAMPED	PP58R

LEGEND:
REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	1400	DITCH LINER	S.Y.	556	
Fill	3538	INTERLOCKING FLEXIBLE BLOCK	S.Y.	321	
Excess		PAVED DITCH	S.Y.	2	
Surplus		RIPRAP	TON	79	
Bottom (B.F.)		GEOTEXTILE	S.Y.	75	
		SOIL LOG S&D	S.Y.	44	

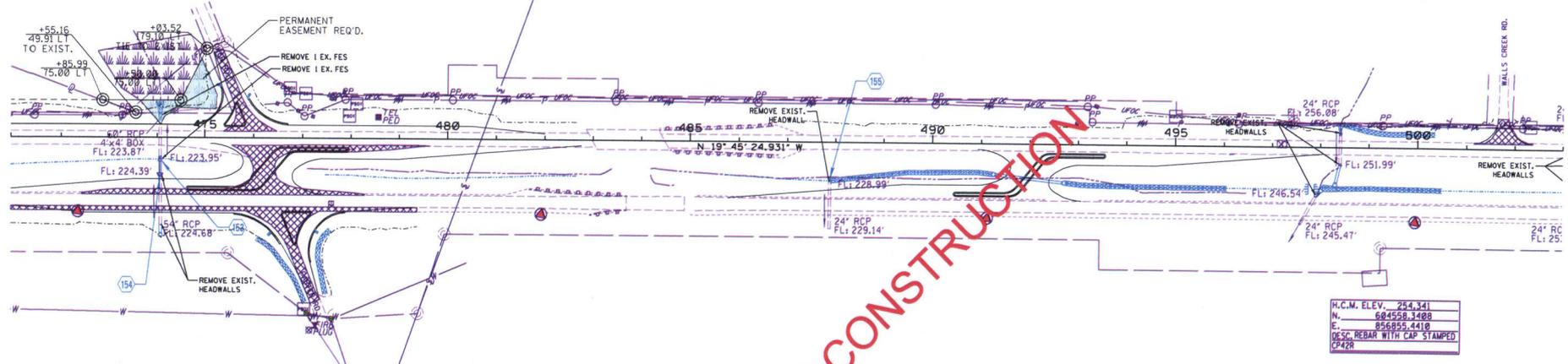


PRELIMINARY
NOT FOR
CONSTRUCTION

2/12/2009 9:12:00 AM WK333.DGN

WETLAND SITE	
TEMPORARILY FILLED	0.09 AC
PERMANENTLY FILLED	0.06 AC
BRUSHED	

USA
DB 49.PG 84



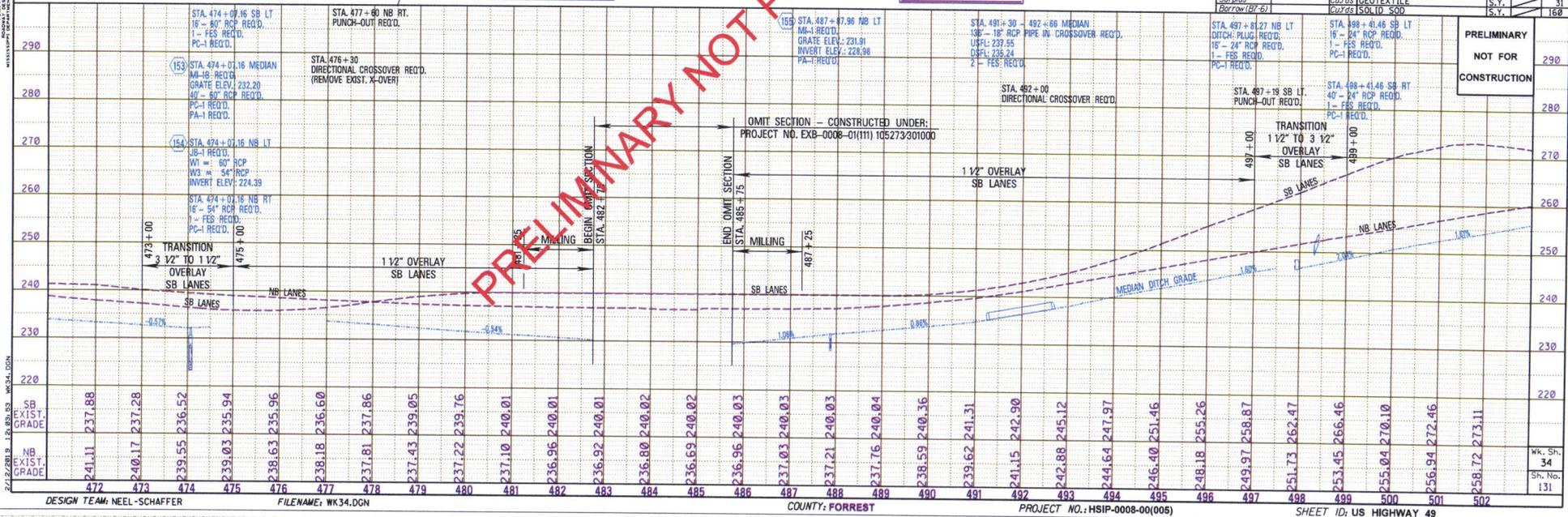
H.C.M. ELEV.	239.595
N.	601968.5060
E.	851788.7423
DESC.	REBAR WITH CAP STAMPED CP39R

H.C.M. ELEV.	238.686
N.	602852.8119
E.	851455.1689
DESC.	REBAR WITH CAP STAMPED CP48R

H.C.M. ELEV.	238.898
N.	603727.2617
E.	851159.1500
DESC.	REBAR WITH CAP STAMPED CP41R

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
CUT	11691	DITCH LINER	S.Y.		46.4
FILL	9760	INTERLOCKING FLEXIBLE BLOCK	S.Y.		167
EXPOSE		CUTS PAVED DITCH	C.Y.		4
Surface		CUTS RIPRAP	TON		33
Borrow(BP-6)		CUTS GEOTEXTILE	S.Y.		31
		CUTS SOLID SOD	S.Y.		168



PRELIMINARY
NOT FOR
CONSTRUCTION

P.C.M. ELEV. 312.170
 N. 606743.0160
 E. 855981.8740
 DESC. REBAR WITH CAP
 STAMPED 49-18-8 RESET

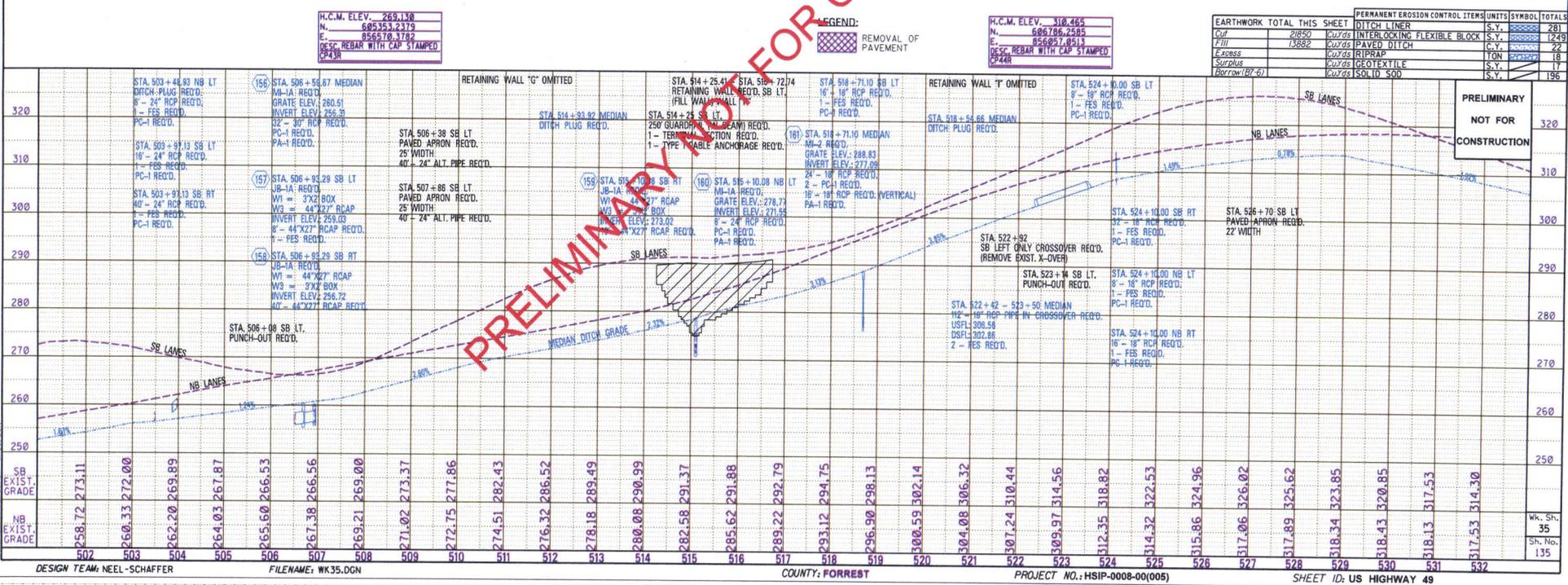
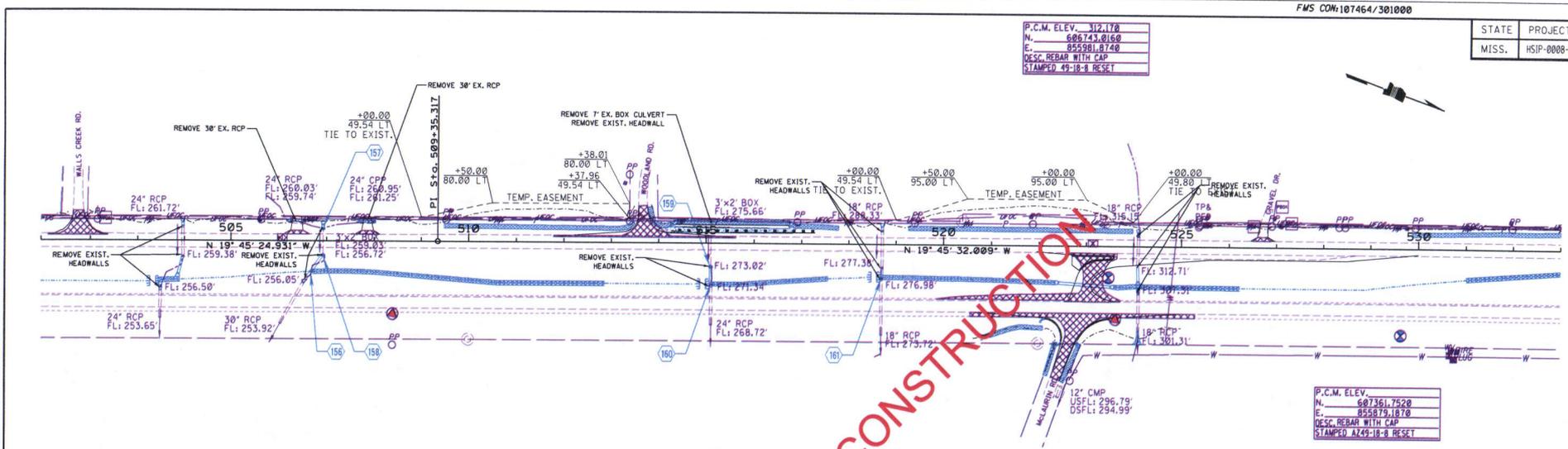
P.C.M. ELEV. 607361.7520
 N. 607361.7520
 E. 855879.1870
 DESC. REBAR WITH CAP
 STAMPED 49-18-8 RESET

H.C.M. ELEV. 269.130
 N. 605353.2375
 E. 856510.3792
 DESC. REBAR WITH CAP STAMPED
 CP43R

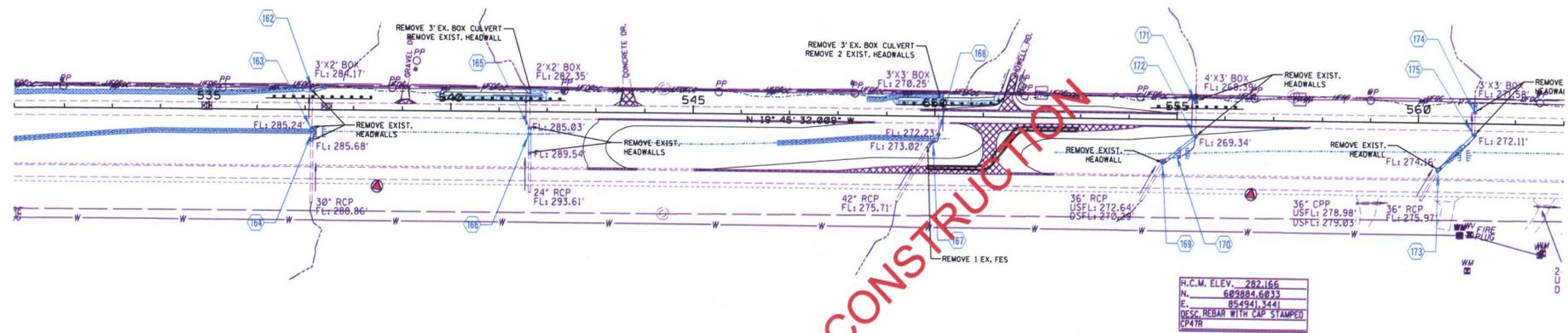
H.C.M. ELEV. 310.455
 N. 606786.2585
 E. 856057.0513
 DESC. REBAR WITH CAP STAMPED
 CP44R

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	21850	Curbs	INTERLOCKING FLEXIBLE BLOCK	S.T.	281	281
Fill	13882	Curbs	PAVED DITCH	C.Y.	1249	1249
Access		Curbs	RIPRAP	TON	22	22
Surplus		Curbs	GEO-TEXTILE	S.T.	18	18
Borrow (BT-6)		Curbs	SOLID SOD	S.T.	196	196

LEGEND:
 REMOVAL OF PAVEMENT



PRELIMINARY - NOT FOR CONSTRUCTION



H.C.M. ELEV.	386.984
N.	688186.9767
E.	855555.1150
DESC.	REBAR WITH CAP STAMPED
CP&R	

H.C.M. ELEV.	282.166
N.	689884.6833
E.	854941.3441
DESC.	REBAR WITH CAP STAMPED
CP&R	

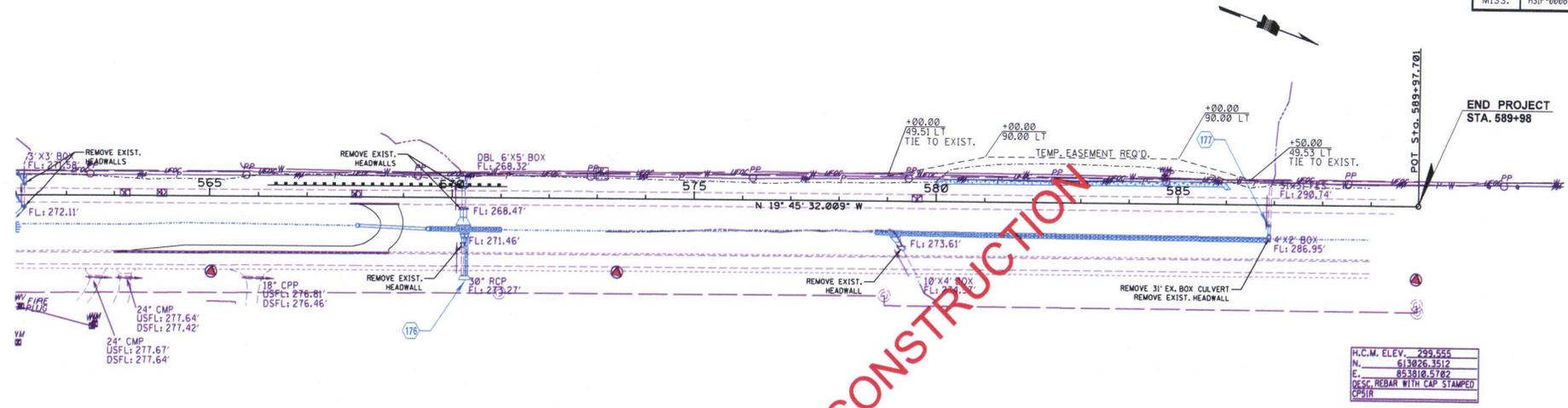
LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK TOTAL THIS SHEET		PERMANENT EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut	1591	DITCH LINES	S.V.			142
Fill	1428	INTERLOCKING FLEXIBLE BLOCK	S.V.			516
Excess		PAVED DITCH	C.Y.			33
Surplus		RIPRAP	TON			283
Byrow (R-6)		GEOTEXTILE	S.V.			
		SOLID SOD	S.V.			

STATION	DESCRIPTION	SB EXIST. GRADE	NB EXIST. GRADE	SB LANE	NB LANE	MEAN DITCH GRADE	PAVEMENT	REMARKS
532	STA. 532+75 SB LT. 175 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	317.53	314.30					
533	STA. 534+96 SB LT. PUNCH-OUT REQD. STA. 537+45 SB LT. PUNCH-OUT REQD. NB LANES SB LANES	316.47	311.10					
534	STA. 537+15.80 SB LT. SP. DES. JB-10 REQD. W1 = 44'X27' RCAP W2 = 3'X2' BOX W3 = 24" RCP INVERT ELEV.: 284.17 18" - 44'X27' RCAP REQD. (AHEAD) 1 - FES REQD. 15" - 24" RCP REQD. (BACK) 1 - FES REQD.	315.06	304.50					
535	STA. 537+15.80 SB LT. SP. DES. JB-10 REQD. W1 = 44'X27' RCAP W2 = 3'X2' BOX W3 = 24" RCP INVERT ELEV.: 284.17 18" - 44'X27' RCAP REQD. (AHEAD) 1 - FES REQD. 15" - 24" RCP REQD. (BACK) 1 - FES REQD.	311.95	301.34					
536	STA. 537+15.80 MEDIAN AW-2 REQD. GRATE ELEV.: 294.68 INVERT ELEV.: 285.29 24" - 30" RCP REQD. PC-1 REQD. 18" - 12" RCP REQD. (VERTICAL) PA-1 REQD.	310.29	298.85					
537	STA. 537+26.70 MEDIAN DITCH PLUG REQD.	308.78	297.42					
538	STA. 537+26.70 MEDIAN DITCH PLUG REQD.	307.19	296.91					
539	STA. 537+26.70 MEDIAN DITCH PLUG REQD.	305.76	296.78					
540	STA. 539+84.69 - STA. 541+88.69 RETAINING WALL REQD. SB LT. (FILL WALL) WALL "3"	304.11	296.69					
541	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	302.36	296.67					
542	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	300.84	296.62					
543	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	299.24	296.18					
544	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	297.70	295.14					
545	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	296.20	293.44					
546	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	294.63	291.56					
547	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	293.16	289.54					
548	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	291.32	287.43					
549	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	289.81	285.71					
550	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	288.21	284.68					
551	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	286.62	283.93					
552	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	285.37	283.39					
553	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	284.30	282.81					
554	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	283.60	282.27					
555	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	283.28	281.80					
556	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	282.81	281.27					
557	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	282.45	280.81					
558	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	282.11	280.23					
559	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	281.68	279.64					
560	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	281.20	279.05					
561	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.	280.80	278.48					
562	STA. 539+84.69 SB LT. 225 GUARDRAIL (W-BEAM) REQD. 1 - TERMINAL SECTION REQD. 1 - TYPE 1 CABLE ANCHORAGE REQD.							

PRELIMINARY
 NOT FOR
 CONSTRUCTION

2/12/2018 9:12:04 AM
 WKS36.DGN
 11/11/2018 10:11:11 AM
 WKS36.DGN



H.C.M. ELEV.	278.845
N.	610584.0594
E.	854956.3626
DESC.	REBAR WITH CAP STAMPED CP488

H.C.M. ELEV.	276.510
N.	611471.4215
E.	854369.7130
DESC.	REBAR WITH CAP STAMPED CP498

H.C.M. ELEV.	299.555
N.	613026.3512
E.	853810.5702
DESC.	REBAR WITH CAP STAMPED CP518

LEGEND:
 REMOVAL OF PAVEMENT

EARTHWORK	TOTAL THIS SHEET	PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	4826	DITCH LINER	S.Y.		261
Fill	7949	Curbs INTERLOCKING FLEXIBLE BLOCK	S.Y.		187
Excav		Curbs PAVED DITCH	S.Y.		36
Surplus		Curbs RIPRAP	TON		2022
Excav (87.6)		Curbs GEOTEXTILE	S.Y.		272
		Curbs ISOLTD SOD	S.Y.		

STATION	DESCRIPTION	SB EXIST. GRADE	NB EXIST. GRADE	SB LANS	NB LANS	MEDIAN DITCH GRADE	REMARKS
562	STA. 562+25 SB LT. 450 GUARDRAIL (W-BEAM) REQ'D. 1- TERMINAL SECTION REQ'D. 1- TYPE 1 CABLE ANCHORAGE REQ'D.	278.48	278.48				
563	STA. 563+28 SB LT. PUNCH-OUT REQ'D.	278.03	278.03				
564	STA. 564+00 SB LT. PUNCH-OUT REQ'D.	277.70	277.70				
565	STA. 565+00 SB LT. PUNCH-OUT REQ'D.	277.48	277.48				
566	STA. 566+00 SB LT. PUNCH-OUT REQ'D.	277.45	277.45				
567	STA. 567+00 SB LT. PUNCH-OUT REQ'D.	277.47	277.47				
568	STA. 568+00 SB LT. PUNCH-OUT REQ'D.	277.47	277.47				
569	STA. 569+00 SB LT. PUNCH-OUT REQ'D.	277.43	277.43				
570	STA. 570+00 SB LT. PUNCH-OUT REQ'D.	277.42	277.42				
571	STA. 571+00 SB LT. PUNCH-OUT REQ'D.	277.43	277.43				
572	STA. 572+00 SB LT. PUNCH-OUT REQ'D.	277.41	277.41				
573	STA. 573+00 SB LT. PUNCH-OUT REQ'D.	277.46	277.46				
574	STA. 574+00 SB LT. PUNCH-OUT REQ'D.	277.46	277.46				
575	STA. 575+00 SB LT. PUNCH-OUT REQ'D.	277.46	277.46				
576	STA. 576+00 SB LT. PUNCH-OUT REQ'D.	277.57	277.57				
577	STA. 577+00 SB LT. PUNCH-OUT REQ'D.	277.92	277.92				
578	STA. 578+00 SB LT. PUNCH-OUT REQ'D.	279.01	279.01				
579	STA. 579+00 SB LT. PUNCH-OUT REQ'D.	280.53	280.53				
580	STA. 580+00 SB LT. PUNCH-OUT REQ'D.	282.67	282.67				
581	STA. 581+00 SB LT. PUNCH-OUT REQ'D.	284.53	284.53				
582	STA. 582+00 SB LT. PUNCH-OUT REQ'D.	286.58	286.58				
583	STA. 583+00 SB LT. PUNCH-OUT REQ'D.	288.59	288.59				
584	STA. 584+00 SB LT. PUNCH-OUT REQ'D.	290.62	290.62				
585	STA. 585+00 SB LT. PUNCH-OUT REQ'D.	292.50	292.50				
586	STA. 586+00 SB LT. PUNCH-OUT REQ'D.	294.55	294.55				
587	STA. 587+00 SB LT. PUNCH-OUT REQ'D.	296.54	296.54				
588	STA. 588+00 SB LT. PUNCH-OUT REQ'D.	298.53	298.53				

PRELIMINARY
 NOT FOR
 CONSTRUCTION

7/12/2018 11:53:14 AM WK37.DGN
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 10/10/2018 11:53:14 AM WK37.DGN

404 Permit Conditions &
401 Water Quality Certification

Certification of Compliance
With Department of the Army Permit

Nationwide Permit Number: NWP 23
Identification Number: SAM-2019-435
Name of Permittee: MDOT
Issued Date: August 21, 2019
Evaluator name: Mr. Anthony Lobred
Expiration Date: March 18, 2022

Upon completion of the activity authorized by this permit, sign this certification and return it to the following address:

USACE, Vicksburg District
ATTN: Regulatory Branch
4155 Clay Street
Vicksburg, Mississippi 39183-3435

Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit modification, suspension, or revocation.

I hereby certify that the work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of the said permit including any required mitigation.

Date work was completed: _____

Signature of Permittee

Date Signed

SPECIAL CONDITIONS
NATIONWIDE PERMIT No. 23

Approved Categorical Exclusions

Activities undertaken, assisted, authorized, regulated, funded, or financed, in whole or in part, by another Federal agency or department where:

(a) That agency or department has determined, pursuant to the Council on Environmental Quality's implementing regulations for the National Environmental Policy Act (40 CFR part 1500 et seq.), that the activity is categorically excluded from the requirement to prepare an environmental impact statement or environmental assessment analysis, because it is included within a category of actions which neither individually nor cumulatively have a significant effect on the human environment; and

(b) The Office of the Chief of Engineers (Attn: CECW-CO) has concurred with that agency's or department's determination that the activity is categorically excluded and approved the activity for authorization under NWP 23.

The Office of the Chief of Engineers may require additional conditions, including pre-construction notification, for authorization of an agency's categorical exclusions under this NWP.

Notification: Certain categorical exclusions approved for authorization under this NWP require the permittee to submit a pre-construction notification to the district engineer prior to commencing the activity (see general condition 32). The activities that require pre-construction notification are listed in the appropriate Regulatory Guidance Letters. (Authorities: Sections 10 and 404)

Note: The agency or department may submit an application for an activity believed to be categorically excluded to the Office of the Chief of Engineers (Attn: CECW-CO). Prior to approval for authorization under this NWP of any agency's activity, the Office of the Chief of Engineers will solicit public comment. As of the date of issuance of this NWP, agencies with approved categorical exclusions are: the Bureau of Reclamation, Federal Highway Administration, and U.S. Coast Guard. Activities approved for authorization under this NWP as of the date of this notice are found in Corps Regulatory Guidance Letter 05-07, which is available at:

<http://www.usace.army.mil/Portals/2/docs/civilworks/RGLS/rgl05-07.pdf> . Any future approved categorical exclusions will be announced in Regulatory Guidance Letters and posted on this same web site.

2017 Nationwide Permits General Conditions, Further Information, and Definitions

A. Nationwide Permit General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWP 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Fills. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers. (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. The permittee shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.

(c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: <http://www.rivers.gov/>.

17. Tribal Rights. No NWP activity may cause more than minimal adverse effects on tribal rights (including treaty rights), protected tribal resources, or tribal lands.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless ESA section 7 consultation addressing the effects of the proposed activity has been completed. Direct effects are the immediate effects on listed species and critical habitat caused by the

NWP activity. Indirect effects are those effects on listed species and critical habitat that are caused by the NWP activity and are later in time, but still are reasonably certain to occur.

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, the pre-construction notification must include the name(s) of the endangered or threatened species that might be affected by the proposed activity or that utilize the designated critical habitat that might be affected by the proposed activity. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete pre-construction notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have "no effect" on listed species or critical habitat, or until ESA section 7 consultation has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(d) As a result of formal or informal consultation with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWPs.

(e) Authorization of an activity by an NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word "harm" in the definition of "take" means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures

wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.

(g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at <http://www.fws.gov/> or <http://www.fws.gov/ipac> and <http://www.nmfs.noaa.gov/pr/species/esa/> respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties. (a) In cases where the district engineer determines that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act. If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect. Where the non-Federal applicant has identified historic properties on which the activity might have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed.

(d) For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic

Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWPs 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, and 52 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after it is determined that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects.

(d) For losses of streams or other open waters that require pre-construction notification, the district engineer may require compensatory mitigation to ensure that the activity results in no more than minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)).

(e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. Restored riparian areas should consist of native species. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that

the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation.

(2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f)).

(3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation.

(4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)).

(5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan only needs to address the baseline conditions at the impact site and the number of credits to be provided.

(6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs.

(h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.

(i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality. Where States and authorized Tribes, or EPA where applicable, have not previously certified compliance of an NWP with CWA section 401, individual 401 Water Quality Certification must be obtained or waived (see 33 CFR 330.4(c)). The district engineer or State or Tribe may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). The district engineer or a State may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the NWPs does not exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

"When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."

(Transferee)

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

(a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;

(b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and

(c) The signature of the permittee certifying the completion of the activity and mitigation.

The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission is not authorized by NWP until the appropriate Corps office issues the section 408 permission to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. Pre-Construction Notification. (a) Timing. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the

permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) Contents of Pre-Construction Notification: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

(4) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures. For single and complete linear projects, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the

45 day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-Federal permittees, if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, the PCN must include the name(s) of those endangered or threatened species that might be affected by the proposed activity or utilize the designated critical habitat that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-Federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the "study river" (see general condition 16); and

(10) For an activity that requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from the Corps office having jurisdiction over that USACE project.

(c) Form of Pre-Construction Notification: The standard individual permit application form (Form ENG 4345) may be used, but the completed application form must clearly indicate that it is an NWP PCN and must include all of the applicable information required in paragraphs (b)(1) through (10) of this general condition. A letter containing the required information may also be used. Applicants may provide

electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals.

(d) Agency Coordination: (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWP's and the need for mitigation to reduce the activity's adverse environmental effects so that they are no more than minimal.

(2) Agency coordination is required for: (i) all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52 activities that require pre-construction notification and will result in the loss of greater than 300 linear feet of stream bed; (iii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iv) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes.

(3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWP's, including the need for mitigation to ensure the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

(5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

B. District Engineer's Decision

1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the individual crossings of waters of the United States to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings authorized by NWP. If an applicant requests a waiver of the 300 linear foot limit on impacts to streams or of an otherwise applicable limit, as provided for in NWPs 13, 21, 29, 36, 39, 40, 42, 43, 44, 50, 51, 52, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse environmental effects. For those NWPs that have a waivable 300 linear foot limit for losses of intermittent and ephemeral stream bed and a 1/2-acre limit (i.e., NWPs 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52), the loss of intermittent and ephemeral stream bed, plus any other losses of jurisdictional waters and wetlands, cannot exceed 1/2-acre.

2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns.

3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands, the prospective permittee should submit a mitigation proposal

with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters (e.g., streams). The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer.

4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31, or to evaluate PCNs for activities authorized by NWPs 21, 49, and 50), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

C. Further Information

1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP.

2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.

3. NWPs do not grant any property rights or exclusive privileges.

4. NWPs do not authorize any injury to the property or rights of others.

5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

STATE OF MISSISSIPPI
NATIONWIDE PERMIT REGIONAL CONDITIONS

A. REGIONAL CONDITIONS FOR ALL NATIONWIDE PERMITS

1. For ALL Nationwide Permit (NWP) authorizations in the Coastal Zone of Mississippi (Hancock, Harrison, and Jackson Counties):

The applicant must contact the Mississippi Department of Marine Resources (MDMR) for concurrence that proposed activities under the NWP are consistent to the maximum extent practicable with the enforceable policies of the State of Mississippi's coastal management program. Applicants are advised that additional measures may be required to ensure the activity is consistent with State coastal zone management program. If a Coastal Zone Management Act Consistency Determination (CZCD) is required: (1) the applicant shall submit their proposed project information directly to MDMR using the Joint Application & Notification form with a consistency determination; (2) the applicant is required to receive the CZCD concurrence prior to project initiation to achieve compliance with NWP conditions; (3) upon receipt of the CZCD concurrence from MDMR, the applicant must provide the CZCD concurrence to the applicable Corps District.

The Joint Application and Notification form may be downloaded or printed from the MDMR website at: <http://www.dmr.ms.gov/index.php/coastal-resources-management/wetland-permitting>

If a pre-construction notification (PCN) to the Corps is required, the attachment to these Regional Conditions highlights the minimum additional information needed.

The completed submittal shall be sent directly to MDMR at the following address:

Mississippi Department of Marine Resources
Bureau of Wetlands Permitting
1141 Bayview Drive
Biloxi, Mississippi 39530

2. A PCN to the appropriate Corps District is required for all regulated activities located within or adjacent to Black Creek within the reach beginning approximately ¼-mile upstream of Moody's Landing and ending approximately ¼-mile downstream of the Fairly Road Bridge crossing. The Corps will coordinate the PCN with the National Forest Service per requirements of Section 7 of the Wild and Scenic Rivers Act and General Condition 16 of the NWPs.

3. NWP authorizations for regulated activities in the Grand Bay National Estuarine Research Reserve, a designated critical resource water located in Jackson County, Mississippi, shall adhere to General Condition 22 of the NWPs.

Effective March 19, 2017

Enclosure 4

4. For all regulated activities that might affect a federally-listed threatened or endangered species or designated critical habitat, or essential fish habitat:

Submittal of a complete PCN to the appropriate Corps District is required. Note: For activities in waters described in Regional Condition A.1., all PCNs shall instead be submitted directly to MDMR using the Joint Application and Notification form and include information required by NWP General Condition 32. Waterways in Mississippi with reported occurrences of federally-listed threatened or endangered species and their critical habitats, as of March 2017, are listed below. The list below also includes certain types of essential fish habitat (EFH) for federally-managed fisheries that may occur in coastal waterways. This list is provided to heighten awareness of the possibility of interaction between federally-protected species/habitats and regulated activities; it is not intended to be all-inclusive. Applicants are advised that the federal protection status of species and habitats may change during the time period in which these Regional Conditions are in effect, and that those changes may not be reflected in the list below.

Further, this Regional Condition does not lessen the restrictions or requirements provided by General Condition 18. As stated in General Conditions 18 and 32 (82 FR 1860-2008), the PCN from non-federal applicants must include a delineation of waters of the U.S. in the project area and the name(s) of the threatened or endangered species that might be affected by the proposed work or that utilize designated critical habitat that might be affected by the proposed work. PCNs from federal applicants must include documentation of compliance with the Endangered Species Act and Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as applicable.

NOTE: The following definitions apply to the list below, as well as the list in Section B.1. of these Regional Conditions: C = Candidate Species; CH = Critical Habitat; LE = Listed Endangered; LT = Listed Threatened; PT = Proposed Threatened; EFH = Waters and substrate necessary to MSFCMA-protected fish for spawning, breeding, feeding, or growth to maturity.

Bayou Pierre River and following tributaries: White Oak Creek, Foster Creek, and Turkey Creek – Located in Claiborne, Copiah, Hinds and Lincoln Counties
Species: bayou darter (*Etheostoma rubrum* - LT)

Bear Creek – Located in Tishomingo County
Species: cumberlandian combshell mussel (*Epioblasma brevidens* – LE, CH); slabside pearl mussel (*Lexingonia dolabellodes* – LE, CH), rabbitsfoot mussel (*Quadrula cylindrica cylindrica* – LT, CH), snuffbox mussel (*Epioblasma triquetra* - LE) and snail darter (*Percina tanasi* – LT)

Big Black River – Located in Hinds and Warren Counties, from Porter Creek confluence south to Highway 27
Species: rabbitsfoot mussel (*Quadrula cylindrica cylindrica* – LT, CH)

Big Sunflower River – Located in Sunflower County, from Highway 442 to Quiver River confluence

Species: rabbitsfoot mussel (*Quadrula cylindrica cylindrica* – LT, CH) and sheepsnose mussel (*Plethobasus cyphus*- LE)

Bogue Chitto River – Located in Pike and Walthall Counties, from State Highway 570, southward

Species: Gulf sturgeon (*Acipenser oxyrinchus desotoi* - LT, CH)

Mississippi River and adjacent land west of the mainline levee – Located in the following Counties: Adams, Coahoma, Jefferson, Warren, Bolivar, DeSoto, Sharkey, Washington, Claiborne, Issaquena, Tunica, and Wilkinson

Species: interior least tern (*Sterna antillarum* - LE), pallid sturgeon (*Scaphirhynchus albus* - LE), and fat pocketbook mussel (*Potamilus capax* - LE)

MS Coastal Waterways and Streams including: Back Bay of Biloxi, Biloxi River, Escatawpa River, Old Fort Bayou, Pascagoula River, and Tchoutacabouffa River – Located in Harrison and Jackson Counties

Species: Alabama red-bellied turtle (*Pseudemys alabamensis* - LE)

EFH: estuarine emergent wetlands, submersed aquatic vegetation or vegetated shallows, live bottoms (e.g. oyster bars, limestone outcroppings)

Mississippi Sound and other back bays – Located in Hancock, Harrison, and Jackson Counties

Species: piping plover (*Charadrius melodus* - LE, CH), red knot (*Calidris canutus rufa* – LT), West Indian manatee (*Trichechus manatus* – LE), green turtle (*Chelonia mydas* - LT), Kemp's ridley turtle (*Lepidochelys kempii* - LE), leatherback sea turtle (*Dermochelys coriacea* – LE), loggerhead turtle (*Caretta caretta* - LT), and Gulf sturgeon (*Acipenser oxyrinchus desotoi* - LT, CH)

EFH: estuarine emergent wetlands, submersed aquatic vegetation or vegetated shallows, live bottoms (e.g. oyster bars, limestone outcroppings)

Pascagoula River and the following tributaries: Bouie, Chickasawhay, Okatoma, and Leaf Rivers – Located in the following Counties: Clarke, Greene, Perry, Forrest, Jackson, Stone, George, Jones, and Wayne

Species: yellow-blotched map turtle (*Graptemys flavimaculata* - LT), Gulf sturgeon (*Acipenser oxyrinchus desotoi* - LT, CH), pearl darter (*Percina aurora* - PT), and Alabama red-bellied turtle (*Pseudemys alabamensis* - LE)

EFH: estuarine emergent wetlands, submersed aquatic vegetation or vegetated shallows, live bottoms (e.g. oyster bars, limestone outcroppings)

Pearl River – Located in the following Counties: Copiah, Leake, Neshoba, Scott, Hinds, Madison, Pearl River, Hancock, Simpson, Lawrence, Marion, and Rankin

Species: ringed map turtle (*Graptemys oculifera* - LT), Gulf sturgeon (*Acipenser oxyrinchus desotoi* - LE, CH), and inflated heelsplitter (*Potamilus inflatus* - LT)

EFH: estuarine emergent wetlands, submersed aquatic vegetation, live bottoms (e.g. oyster bars, limestone outcroppings)

Tombigbee River and the following tributaries: Buttahatchie, Luxapalilla, Noxubee, and Bull Mountain – Located in Itawamba, Lowndes and Monroe Counties
Species: heavy pigtoe mussel (*Pleurobema taitianum* - LE), southern combshell mussel (*Epioblasma penita* - LE), southern clubshell mussel (*Pleurobema decisum* - LE), ovate clubshell mussel (*Pleurobema perovatum* - LT), black clubshell mussel (*Pleurobema curtum* - LE), Alabama moccasinshell (*Medionidus acutissimus* - LT), orange-nacre mucket (*Lampsilis perovalis* - LT), and inflated heelsplitter (*Potamilus inflatus* - LT)

5. Supplement to General Condition 2 (Aquatic Life Movements) and General Condition 9 (Management of Water Flows)

Culverts must be of sufficient capacity to maintain expected high and low water flows and be installed at a sufficient depth to not substantially disrupt the necessary life cycle movements of aquatic life species.

B. REGIONAL CONDITIONS FOR SPECIFIC NATIONWIDE PERMITS

1. For all NWP 12 and NWP 14 regulated activities that require a PCN:

To assess all individual and cumulative impacts, complete PCNs must include a description of the anticipated direct and indirect environmental effects, including both temporary and permanent impacts at all single and complete crossings of waters of the U.S. which are a part of the total linear project.

2. NWP 12 (Utility Line Activities) and NWP 14 (Linear Transportation Projects)

Submittal of a complete PCN to the appropriate Corps District is required for all regulated activities that may directly or indirectly affect federally-listed species and/or their designated critical habitat. The list below includes some species that could be encountered along a linear project and a general description of their typical habitat types utilized. This list is provided to heighten awareness of the possibility of interaction between federally-protected species/habitats and regulated activities; it is not intended to be all-inclusive. Applicants are advised that the federal protection status of species and habitats may change during the time period in which these Regional Conditions are in effect, and that those changes may not be reflected in the list below. NOTE: For regulated activities in waters described in Regional Condition A.1., all PCNs shall instead be submitted directly to MDMR using the Joint Application and Notification form, and include information required by NWP General Condition 32. The attachment to these Regional Conditions highlights the minimum additional information needed.

Gopher tortoise (*Gopherus polyphemus* - LT), and black pine snake (*Pituophis melanoleucus lodingi* - LT) – Located in Clarke, Covington, Forrest, George, Greene, Hancock, Harrison, Jackson, Jasper, Jefferson Davis, Jones, Lamar, Marion, Pearl River, Perry, Smith, Stone, Walthall, and Wayne Counties and associated with certain upland habitats that may be adjacent to wetlands and/or other waters of the U.S.

Louisiana quillwort (*Isoetes louisianaensis* - LE) – Located in Forrest, George, Greene, Hancock, Harrison, Jackson, Jones, Pearl River, Perry, Stone, and Wayne Counties and associated with intermittent and small perennial streams

Dusky gopher frog (*Rana sevosa* – LE, CH) – Located in Jackson, Forrest, Perry, and Harrison Counties and associated with isolated ephemeral (temporary) ponds/wetlands located in upland long-leaf pine habitat

Mississippi sandhill crane (*Grus canadensis pulla* – LE) – Located in Jackson County and associated with pine savannas, brackish marsh, cultivated fields, and pasture lands within 5 miles of the Mississippi Sandhill Crane National Wildlife Refuge

Mitchell's satyr butterfly (*Neonympha mitchellii mitchellii* – LE) – Located in Alcorn, Itawamba, Monroe, Prentiss, and Tishomingo Counties and associated with wetlands created by beaver ponds and other similar habitats

Gray bat (*Myotis grisescens* – LE), Indiana bat (*Myotis sodalis* - LE) and Northern Long-eared bat (*Myotis septentrionalis* – LT), – Located in counties north of Interstate 20 and associated with caves, box culverts, bridges, and/or forested uplands, wetlands, and riparian habitats (trees over 5 inches dbh)

Pondberry (*Lindera melissifolia* - LE) - Located in Bolivar, Coahoma, Holmes, Humphreys, Issaquena, Leflore, Quitman, Sharkey, Sunflower, Tallahatchie, Tunica, Warren, Washington, and Yazoo Counties and associated with bottomland hardwood wetlands

Price's potato bean (*Apios priceana* - LT) – Located in Alcorn, Chickasaw, Clay, Kemper, Lee, Lowndes, Monroe, Noxubee, Oktibbeha, Pontotoc, Prentiss, and Union Counties and associated with wooded areas that grade into creek and river bottoms

Red-cockaded woodpecker (*Picoides borealis* - LE) – Located in Amite, Copiah, Forrest, Franklin, George, Greene, Harrison, Jackson, Jasper, Jefferson, Jones, Lamar, Lincoln, Noxubee, Oktibbeha, Pearl River, Perry, Scott, Smith, Stone, Wayne, Wilkinson, and Winston Counties (primarily found on or near US National Forests and the Noxubee National Wildlife Refuge); Species excavates nesting cavities in mature pine trees (60+ years old)

Wood stork (*Mycteria americana* - LT) – Located Statewide and associated with freshwater marshes, tidal pools, cypress swamps; Species does not breed in MS, foraging habitat only

White fringeless orchid (*Platanthera integrilabia* – C) – Located in Alcorn, Itawamba, Monroe, Prentiss, and Tishomingo Counties and associated with wet boggy areas at heads of streams and on seepage slopes that are partially shaded

3. NWP 21 (Surface Coal Mining Activities)

This NWP, via disavowal of water quality certification by the Mississippi Department of Environmental Quality, is considered **denied without prejudice**. Individual requests for approval under this NWP will be considered on a case-by-case basis only after receipt by the appropriate Corps district of an individual water quality certification, waiver, or other approval by the Mississippi Department of Environmental Quality.

4. NWP 44 (Mining Activities)

This NWP, via disavowal of water quality certification by the Mississippi Department of Environmental Quality, is considered **denied without prejudice**. Individual requests for approval under this NWP will be considered on a case-by-case basis only after receipt by the appropriate Corps district of an individual water quality certification, waiver, or other approval by the Mississippi Department of Environmental Quality.

C. REGIONAL CONDITIONS FOR WATER QUALITY CERTIFICATION FOR MISSISSIPPI BAND OF CHOCTAW INDIANS TRIBAL LANDS

By letter dated March 2, 2017, the Environmental Protection Agency (EPA), Region 4, acting on behalf the Mississippi Band of Choctaw Indians, issued final decisions on water quality certification for Nationwide Permit (NWP) activities on Mississippi Band of Choctaw Indians (MBCI) Tribal Lands.

D. REGIONAL CONDITIONS FOR WATER QUALITY CERTIFICATION

By letters to the Corps dated March 6, 2017, the Mississippi Department of Environmental Quality (MDEQ) issued its final decisions on WQC for use of each of the NWPs in Mississippi.

E. REGIONAL CONDITIONS FOR COASTAL ZONE MANAGEMENT ACT CONSISTENCY

The applicant must contact the Mississippi Department of Marine Resources (MDMR) for concurrence that proposed activities under the NWP are consistent to the maximum extent practicable with the enforceable policies of the State of Mississippi's coastal management program. In accordance with Corps regulations at 33 CFR 330.4(d), if MDMR does not concur with the Corps determinations for use of a NWP in Mississippi, then the Corps will deny authorizations for the regulated activities that would affect coastal resources by the NWP within the State without prejudice. Under these "denial" situations, anyone wanting to perform such regulated activities would be required to first obtain an activity-specific CZMA consistency determination or waiver thereof from MDMR before proceeding under the NWP.

For those NWP's that MDMR concurs with the Corps' consistency determination, any associated conditions deemed necessary by MDMR to ensure that proposed activities under the NWP are consistent to the maximum extent practicable with the enforceable policies of the State of Mississippi's coastal management program will be reviewed by the Corps to assure the conditions are reasonably implementable or enforceable.

As per 33 CFR 330.4(c), if the Corps accepts MDMR's consistency conditions, the conditions will become Regional Conditions for the NWP activities which may result in a regulated work, structures, and/or discharges into waters of the U.S. in Mississippi, and the Regional Conditions will be attached to the NWP verification letter(s).

If the Corps determines that the consistency determination(s) and the associated conditions (for the NWP activities which may result in a regulated work, structures, and/or regulated discharge into waters of the U.S. in Mississippi) are not reasonably implementable or enforceable, according to 33 CFR 325.4(c), the Corps will consider the determination(s) denied without prejudice, and work may not proceed under the NWP(s) until the permittee obtains an individual CZMA consistency determination or waiver thereof.

F. NWPs NOT APPLICABLE IN MISSISSIPPI

The Vicksburg District, as Lead Corps District for Mississippi, determined that NWP 8 (Oil and Gas Structures on the Outer Continental Shelf) and NWP 24 (Indian Tribe or State Administered Section 404 Programs) are not applicable for Department of the Army permit requirements in Mississippi.

Attachment
Joint Application and Notification Form – Minimum Additional Information Requirements for NWPs, as per General Condition 32 (PCN Requirements)

- (1) The PCN must include a delineation of wetlands, other special aquatic sites (e.g. mudflats, vegetated shallows, sanctuaries, refuges), and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The applicant may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many waters of the U.S. Furthermore, the 45 day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate.
- (2) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands, the applicant must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse effects are minimal and why compensatory mitigation should not be required. As an alternative, the applicant may submit a conceptual or detailed mitigation plan.
- (3) If any federally listed threatened or endangered species might be affected or is in the vicinity of the regulated activity, or if the regulated activity is located in designated critical habitat, for non-federal applicants the PCN must include the name(s) of those endangered or threatened species that might be affected or might utilize the designated critical habitat that may be affected by the proposed regulated activity. Federal applicants must provide documentation demonstrating compliance with the Endangered Species Act.
- (4) For a regulated activity that may affect a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, for non-federal applicants the PCN must state which historic property may be affected by the proposed regulated activity or include a vicinity map indicating the location of the historic property. Federal applicants must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.



STATE OF MISSISSIPPI

PHIL BRYANT
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

March 6, 2017

Certified Mail No. 7012 3460 0003 2548 6902

Ms. Jennifer Mallard
Regulatory Branch Chief
U.S. Army Corps of Engineers
Vicksburg District
4155 Clay Street
Vicksburg, Mississippi 39183

Dear Ms. Mallard:

Re: U.S. Army Corps of Engineers
Nationwide Permit No. 23
Warren County
COE No. MVK-2017-114
WQC No. WQC2017023

Pursuant to Section 401 of the Federal Water Pollution Control Act (33 U. S. C. 1251, 1341), the Office of Pollution Control (OPC) issues this Certification, after public notice and opportunity for public hearing, to the U.S. Army Corps of Engineers, an applicant for a Federal License or permit to conduct the following activity:

US Army Corps of Engineers, Nationwide Permit No. 23:

Nationwide Permits are general permits issued on a nationwide basis to streamline the authorization of activities that have no more than minimal and cumulative adverse effects on the aquatic environment. The U.S. Army Corps of Engineers issues NWP's to authorize certain activities that require Department of the Army permits under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899.

23. *Approved Categorical Exclusions.* Activities undertaken, assisted, authorized, regulated, funded, or financed, in whole or in part, by another Federal agency or department where:

(a) That agency or department has determined, pursuant to the Council on Environmental Quality's implementing regulations for the

National Environmental Policy Act (40 CFR part 1500 et seq.), that the activity is categorically excluded from the requirement to prepare an environmental impact statement or environmental assessment analysis, because it is included within a category of actions which neither individually nor cumulatively have a significant effect on the human environment; and

(b) The Office of the Chief of Engineers (Attn: CECW-CO) has concurred with that agency's or department's determination that the activity is categorically excluded and approved the activity for authorization under NWP 23.

The Office of the Chief of Engineers may require additional conditions, including pre-construction notification, for authorization of an agency's categorical exclusions under this NWP.

Notification: Certain categorical exclusions approved for authorization under this NWP require the permittee to submit a pre-construction notification to the district engineer prior to commencing the activity (see general condition 32). The activities that require pre-construction notification are listed in the appropriate Regulatory Guidance Letters.

Note: The agency or department may submit an application for an activity believed to be categorically excluded to the Office of the Chief of Engineers (Attn: CECW-CO). Prior to approval for authorization under this NWP of any agency's activity, the Office of the Chief of Engineers will solicit public comment. As of the date of issuance of this NWP, agencies with approved categorical exclusions are: the Bureau of Reclamation, Federal Highway Administration, and U.S. Coast Guard. Activities approved for authorization under this NWP as of the date of this notice are found in Corps Regulatory Guidance Letter 05-07, which is available at: <http://www.usace.army.mil/Portals/2/docs/civilworks/RGLS/rgl05-07.pdf>. Any future approved categorical exclusions will be announced in Regulatory Guidance Letters and posted on this same Web site. [MVK-2017-114, WQC2017023].

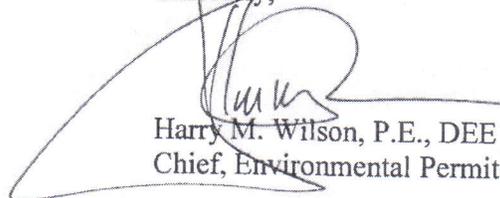
The Office of Pollution Control certifies that the above-described activity will be in compliance with the applicable provisions of Sections 301, 302, 303, 306, and 307 of the Federal Water Pollution Control Act and Section 49-17-29 of the Mississippi Code of 1972, if the applicant complies with the following conditions:

1. The permittee shall obtain appropriate wastewater permits and/or approvals for the proposed activity prior to the commencement of construction activities.
2. For projects greater than five acres of total ground disturbances including clearing, grading, excavating, or other construction activities, the applicant shall obtain the necessary coverage under the State of Mississippi's Large Construction Storm Water General NPDES Permit. For projects greater than one, to less the five acres of total ground disturbances including clearing, grading, excavating, or other construction activities, the applicant shall follow the conditions and limitations of the State of Mississippi's Small Construction Storm Water General NPDES Permit. No construction activities shall begin until the necessary approvals and/or permits have been obtained.
3. No sewage, oil, refuse, or other pollutants shall be discharged into the watercourse.
4. The turbidity outside the limits of a 750-foot mixing zone shall not exceed the ambient turbidity by more than 50-Nephelometric Turbidity Units.

The Office of Pollution Control also certifies that there are no limitations under Section 302 nor standards under Sections 306 and 307 of the Federal Water Pollution Control Act which are applicable to the applicant's above-described activity.

This certification is valid for the project as proposed. Any deviations without proper modifications and/or approvals may result in a violation of the 401 Water Quality Certification. If we can be of further assistance, please contact us.

Sincerely,



Harry M. Wilson, P.E., DEE
Chief, Environmental Permits Division

HMW: ld

Ms. Mallard
Page 4 of 4
March 6, 2017

cc: U.S. Army Corps of Engineers, Mobile District
Attn: Mr. Craig Litteken
U.S. Army Corps of Engineers, Memphis District
Attn: Mr. Tim Fudge
U.S. Army Corps of Engineers, Nashville District
Attn: Mr. Timothy Wilder
U.S. Army Corps of Engineers, New Orleans District
Attn: Mr. Michael Farabee
Ms. Willa Brantley, Department of Marine Resources
Mr. David Felder, U.S. Fish and Wildlife Service
Mr. William Ainsley, Environmental Protection Agency