

JOINT PUBLIC NOTICE

December 11, 2017

United States Army Corps of Engineers
New Orleans District
Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118

State of Louisiana
Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(504) 862-2099
Project Manager
Stephen Pfeffer
stephen.d.pfeffer@usace.army.mil
MVN 2017-00113-MS

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 171130-02

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the US Army Corps of Engineers pursuant to: [] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been sent to the Louisiana Department of Environmental Quality, Office of Environmental Services, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act.

WORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF SIX BRIDGE STRUCTURES ON LA 12 IN CALCASIEU PARISH

NAME OF APPLICANT: Louisiana Department of Transportation and Development, Post Office Box 94245, Baton Rouge, Louisiana 70804-9245.

LOCATION OF WORK: The project is located along LA 12 and crosses Old River Slough, Current Slough, Washout Slough, Mud Lake, Hursey Slough and Ashworth Slough, in Sections 4, 5 and 6, Township 9 South, Range 13 West, near Starks, Louisiana, in Calcasieu Parish, as shown on the enclosed drawings (Latitude 30.3113° N, Longitude 93.6970° W). This project is located in the Lower Sabine watershed within USGS Catalog Unit 12010005.

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to clear, grade, excavate and deposit fill and/or aggregate material associated with the construction of a temporary road and the removal and replacement of six bridge structures. The proposed project would impact approximately 12.3 acres of jurisdictional wetlands and 1.6 acres of "other waters of the U.S." The applicant has claimed that the project has been designed to avoid and minimize impacts as much as possible. Approximately 4,860 cubic yards of fill material would be hauled in and deposited in jurisdictional wetlands to achieve required grade elevation. As compensation for unavoidable wetland impacts, the applicant proposes to use a Corps approved

mitigation bank within the watershed of impact.

The comment period for the Department of Army will close in **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the US Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to

determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, pre-historical, historical sites, or data. Copies of the notice are being sent to the State Archeologist and State Historic Preservation Officer.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species.

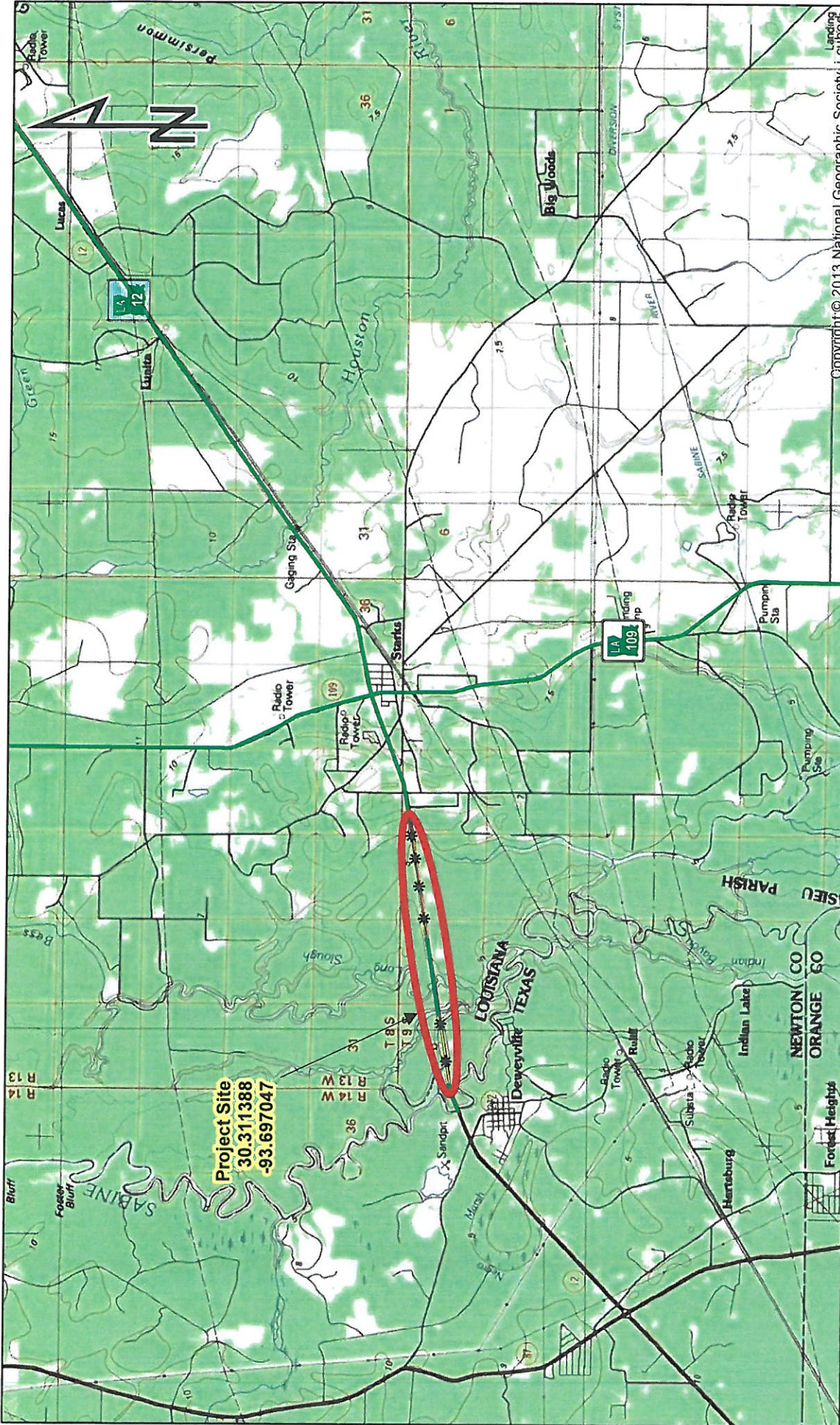
This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of up to n/a acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate water quality standards will be required from the Department of Environmental Quality, Office of Environmental Services before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Martin S. Mayer
Chief, Regulatory Branch

Enclosures



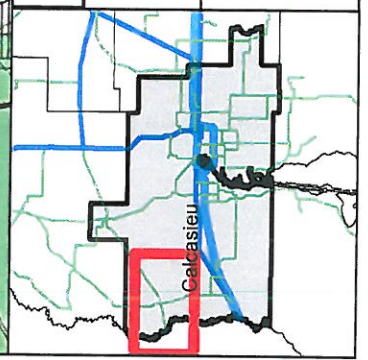
Copyright © 2013 National Geographic Society, i-cube@



PROJECT LOCATION MAP

SOURCE: USGS 1:100,000 TOPOGRAPHIC MAP - LAKE CHARLES QUADRANGLE

STATE PROJECT NO. H.000428
 FEDERAL AID PROJECT NO. H000428
 LA 12 BRIDGES
 CALCASIEU PARISH



STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT PLANS OF PROPOSED STATE HIGHWAY FEDERAL PROJECT H000428 STATE PROJECT H.000428 LA 12 BRIDGES CALCASIEU PARISH LA 12

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND LAYOUT MAP
2 - 2c	TYPICAL SECTIONS AND DETAILS
3 - 3d	SUMMARY SHEETS
4 - 24	PLAN & PROFILE SHEETS
25 - 39	SUGGESTED SEQUENCE OF CONSTRUCTION AND DETOUR SIGNINGS
40 - 49	SUGGESTED EROSION CONTROL
50 - 55	EMBANKMENT WIDENING DETAILS
56	SUBGRADE SOIL SURVEY
57	RIGHT OF WAY MAP

BRIDGE PLANS

BRIDGE NO.	STATIONING	REVISION DATE
101 - 174		
301	DW-02	04-16-12
302	EC-01	10-01-08
304	GR-200	07-03-15
315	RS-05	04-07-14
316	PW-05	11-01-10
317	RW-01	06-03-09
318	SWBS-100	03-06-13
319 - 322	TTC-00(A-D)	03-12-13
323 - 325	TTC-02,04,05	03-12-13
326	WP-01	12-23-13

CROSS SECTION

BRIDGE NO.	STATIONING	REVISION DATE
401 - 450		
BRIDGE 2: 640'	STA. 133+95 TO STA. 139+95	
BRIDGE 3: 400'	STA. 202+25 TO STA. 206+25	
BRIDGE 4: 440'	STA. 219+15 TO STA. 223+55	
BRIDGE 5: 280'	STA. 241+10 TO STA. 243+90	
BRIDGE 6: 400'	STA. 253+35 TO STA. 257+35	

LOCATION OF WORK

SITE	CONTROL SECTION	LOG MILE	BEGIN	END
SITE 1	012-02	0.359	1.085	
SITE 2	012-02	2.022	3.408	

SCHEDULE OF REVISIONS

NO.	DATE	SHEETS REVISED

REVISION OR CHANGE ORDER DESCRIPTION

NO.	DATE	DESCRIPTION

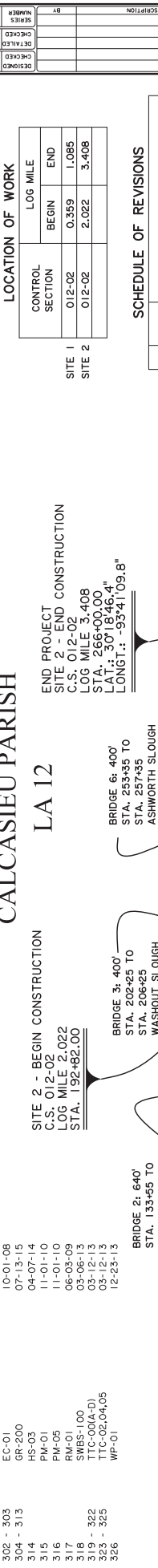
DESIGNED

DESIGNED	PHAM
CHECKED	TONNEY
DESIGNED	PHAM
CHECKED	TONNEY

PROJECT

PROJECT	H.000428
CONTROL SECTION	012-02
STATE PROJECT	H.000428
DESIGNED	CALCASIEU

STATE PROJECT S.P. H.000428



PERMIT SET

APPROVED

DOTD CHIEF ENGINEER

PUBLISHED 3/16/2017

DIGITAL SIGNATURES

VERIFY IN Adobe Acrobat USING E-SIGN DESKTOP

LENGTH OF PROJECT

DESCRIPTION	ALGEBRAIC SUM OF ALL EQUATIONS		BRIDGE LENGTH		ROADWAY LENGTH	
	FEET	FEET	FEET	FEET	FEET	MILES
STATION TO STATION	3833.69	7818.00	1520	2513.69	0.476	
SITE 1	109+00.00 TO 143+33.69	3833.69	1520	2513.69	0.476	
SITE 2	178+02.00 TO 286+00.00	7818.00	1520	2513.69	0.476	
TOTAL LENGTH OF BRIDGES			2840	0.858		1.574
TOTAL LENGTH OF ROADWAY					8311.69	1.574
TOTAL MILES					2.112	

STANDARD SPECIFICATIONS

THE 2016 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT SPECIFICATIONS, SHALL GOVERN ON THIS PROJECT.

TRAFFIC DATA

2018 A.D.T. = 4,600
2038 A.D.T. = 5,600
D = 55%
K = 10%
T = 14%

DESIGN SPEED - 60 MPH

CLASSIFICATION = RA-2

TYPE OF CONSTRUCTION

CONSTRUCT CONTINUOUS QUAD BEAM SPAN BRIDGES INCLUDING GRADING, EARTHWORK, SUPERPAVE ASPHALTIC CONCRETE.

TRANSIT BOOKS

LEVEL BOOKS 200-519,201-412

SCALES

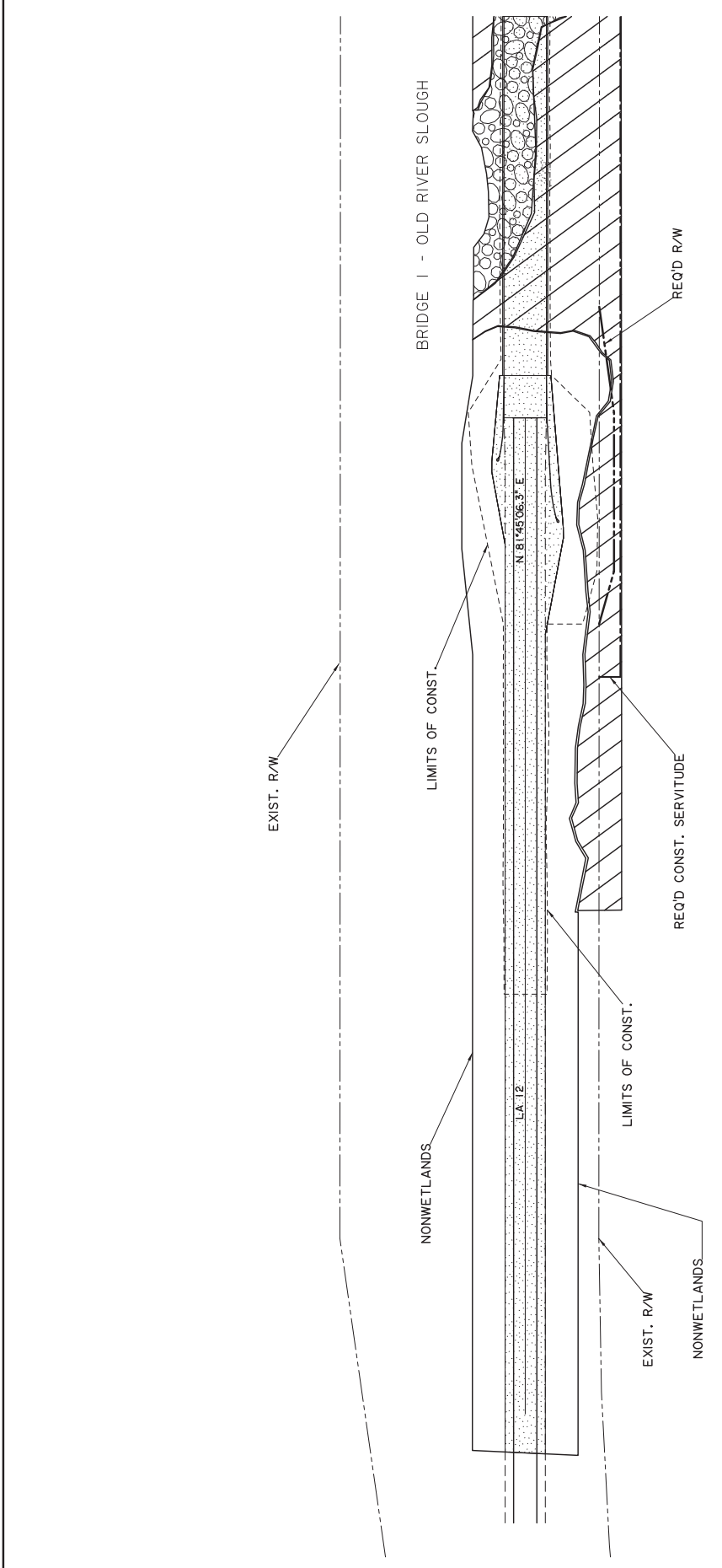
PLAN VIEW 1" = 50'
PROFILE HORIZ. 1" = 50'
PROFILE VERT. 1" = 5'

DATUM USED


NAVD 88
MAGNETIC VAR
BEARINGS ARE NAD 83

TOTAL SHEET WITHOUT CROSS SECTION SHEETS = 185

TOTAL SHEET WITH CROSS SECTION SHEETS = 235



LEGEND

			
WETLANDS IMPACTS	OTHER WATERS OF THE U.S. IMPACTS	ROADWAY WORK	

Miscellaneous

PRELIMINARY
FOR PERMIT PURPOSES ONLY

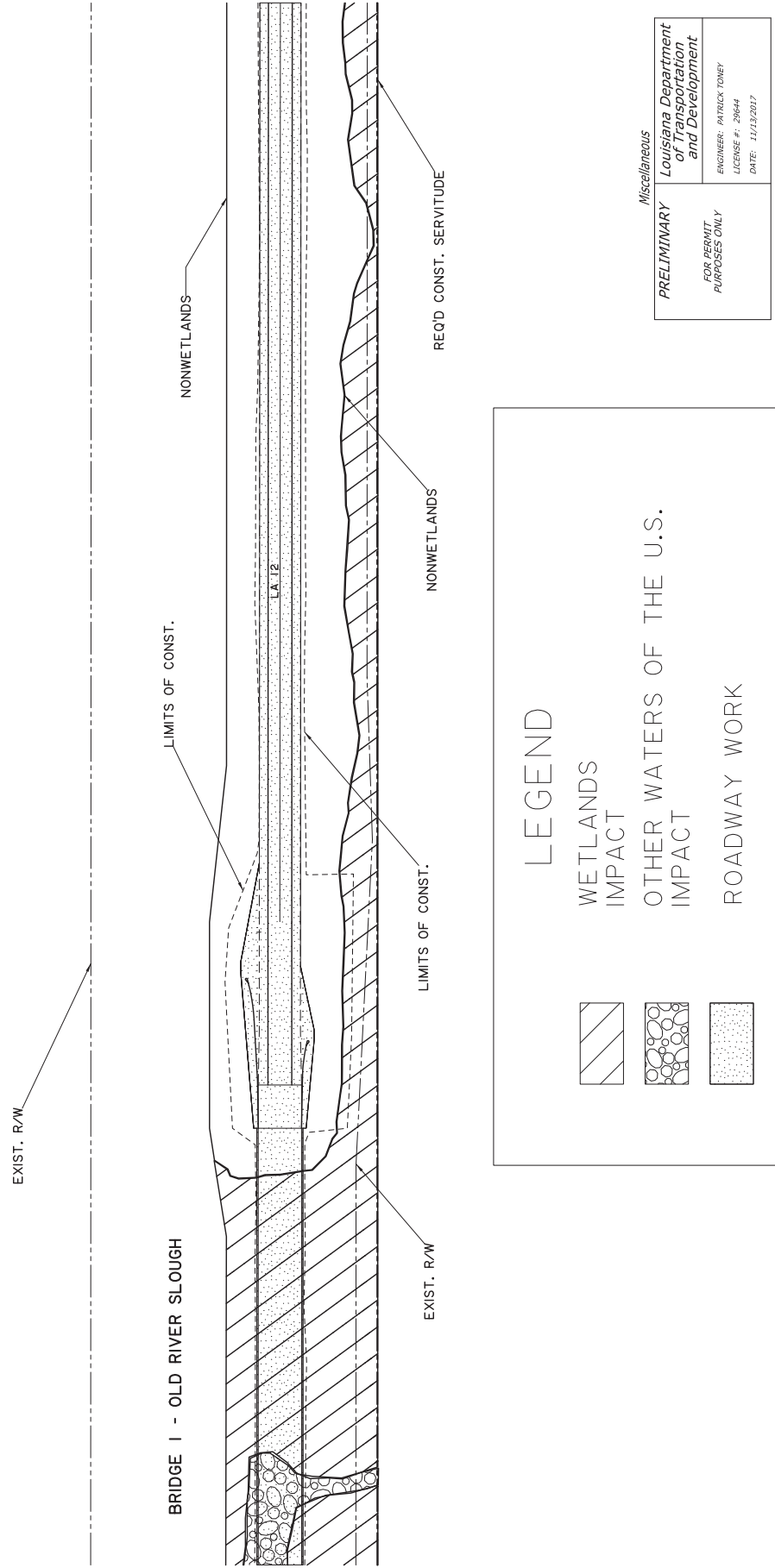
Louisiana Department of Transportation and Development
ENGINEER: PATRICK TONEY
LICENSE #: 29644
DATE: 11/13/2017



LA 12 BRIDGES

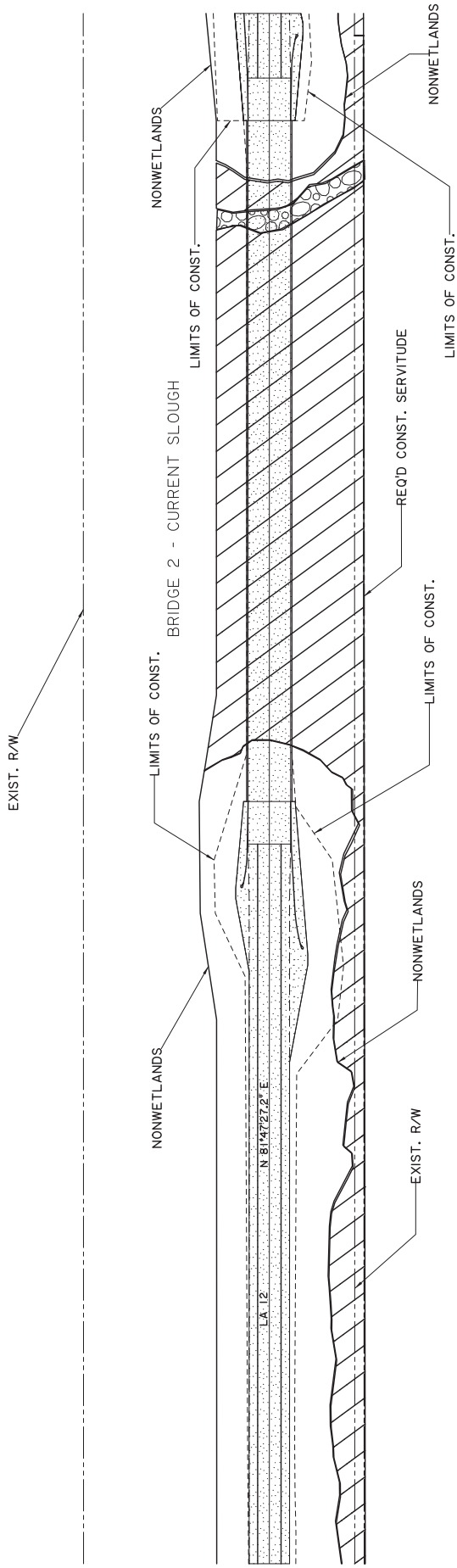
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION

DESIGNED C. PHAM	CHECKED P. TONEY	PARISH CALCASIEU
DESIGNED C. PHAM	CHECKED P. TONEY	SECTION 012-02
DATE H.000428	PROJECT H.000428	SHEET NUMBER



Miscellaneous
PRELIMINARY
 FOR PERMIT PURPOSES ONLY
 Louisiana Department of Transportation and Development
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 LICENSE #: 20644
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LEGEND
 WETLANDS IMPACT
 OTHER WATERS OF THE U.S. IMPACT
 ROADWAY WORK



LEGEND

	WETLANDS IMPACT
	OTHER WATERS OF THE U.S. IMPACT
	ROADWAY WORK

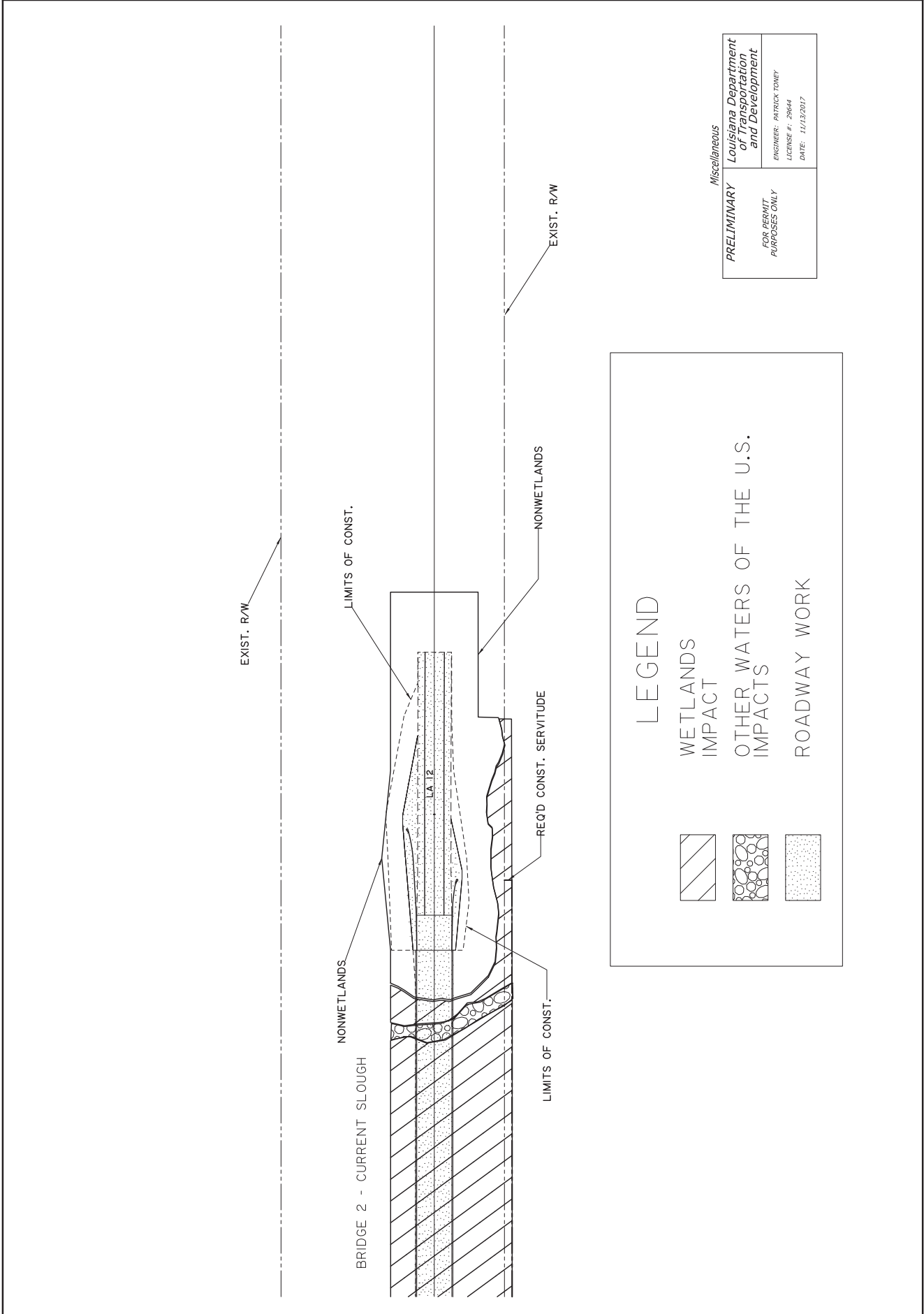
Miscellaneous

PRELIMINARY

Louisiana Department
of Transportation
and Development

FOR PERMIT
PURPOSES ONLY

ENGINEER: PATRICK TONEY
LICENSE # : 28644
DATE: 11/13/2017



<p><i>Miscellaneous</i></p> <p>PRELIMINARY</p> <p>FOR PERMIT PURPOSES ONLY</p>	<p>Louisiana Department of Transportation and Development</p> <p>ENGINEER: PATRICK TONEY</p> <p>LICENSE #: 29644</p> <p>DATE: 11/13/2017</p>
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LEGEND



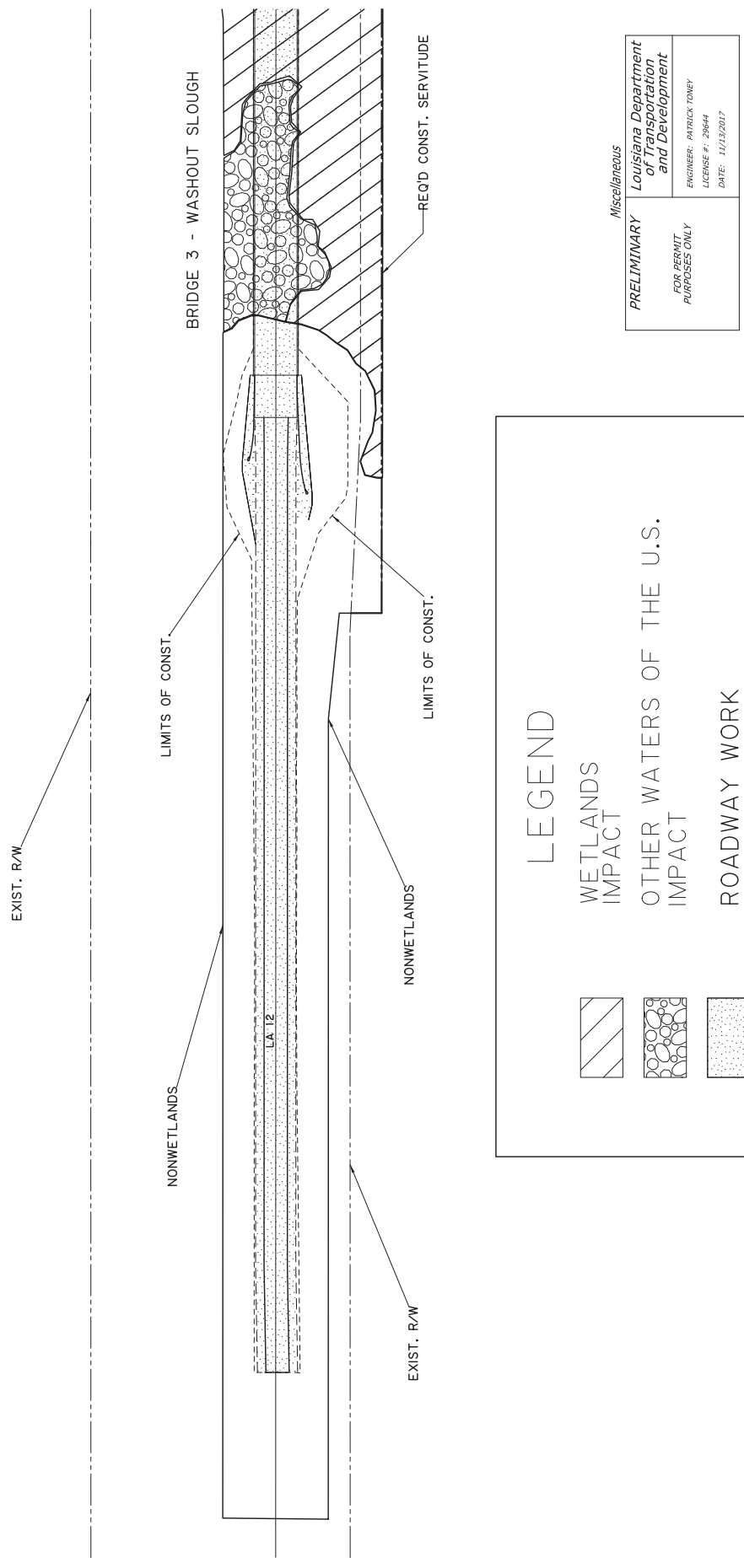
WETLANDS IMPACT



OTHER WATERS OF THE U.S. IMPACTS



ROADWAY WORK



LEGEND

 NONWETLANDS	 WETLANDS IMPACT	 OTHER WATERS OF THE U.S. IMPACT
 ROADWAY WORK		

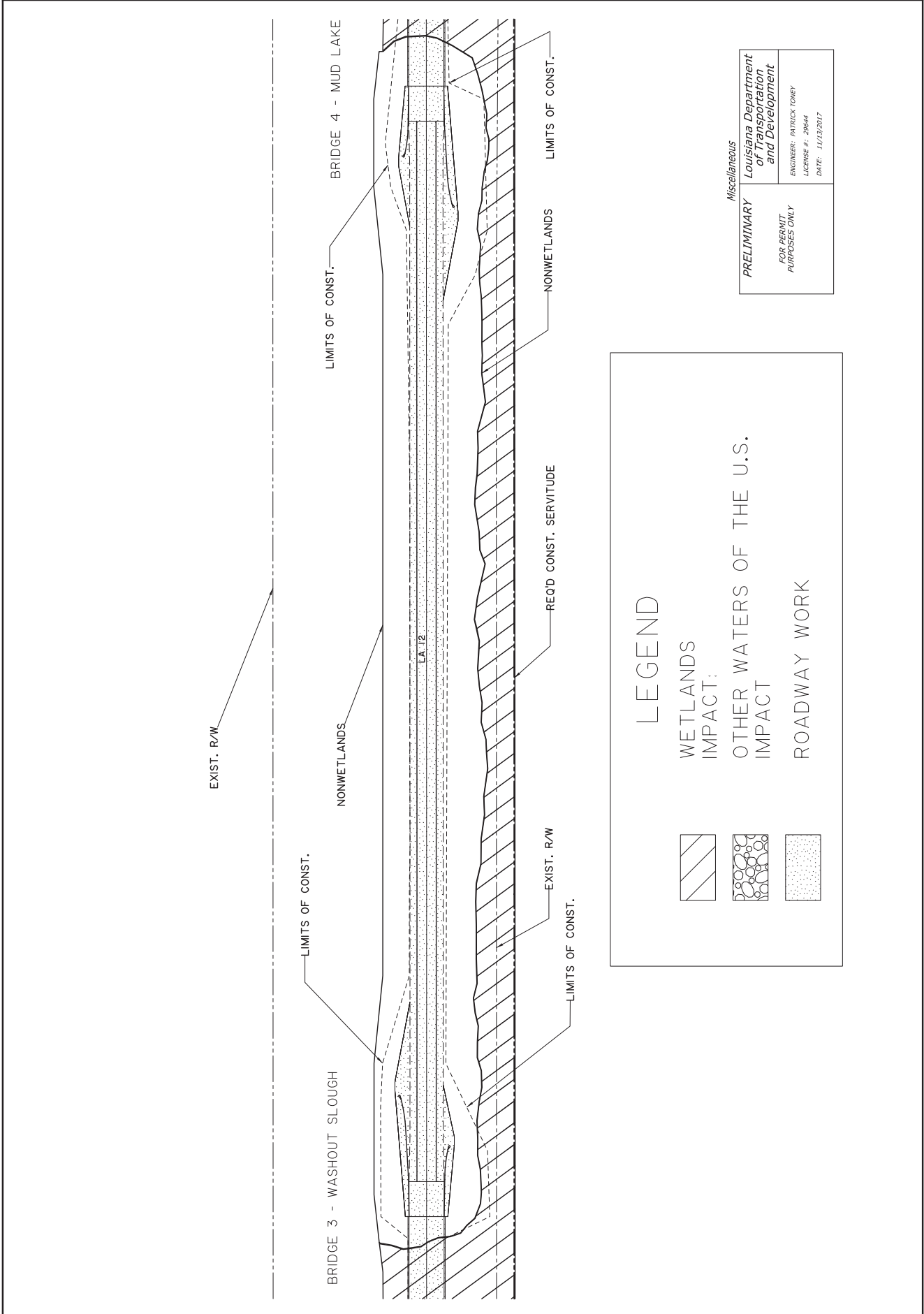
Miscellaneous

PRELIMINARY

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Miscellaneous

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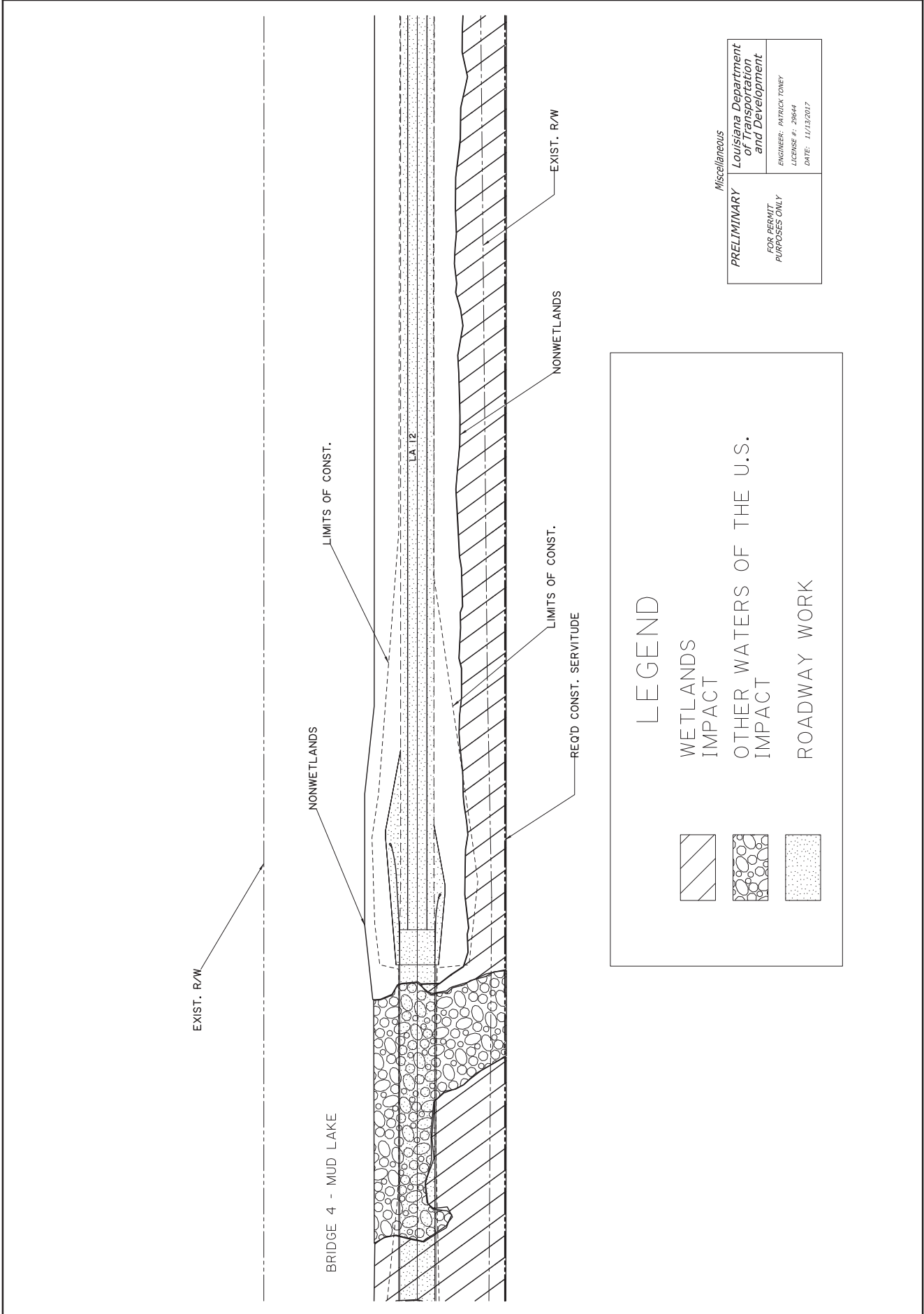
Louisiana Department of Transportation and Development
ENGINEER: PATRICK TONEY
LICENSE #: 28644
DATE: 11/13/2017

LEGEND

WETLANDS IMPACT

OTHER WATERS OF THE U.S. IMPACT

ROADWAY WORK

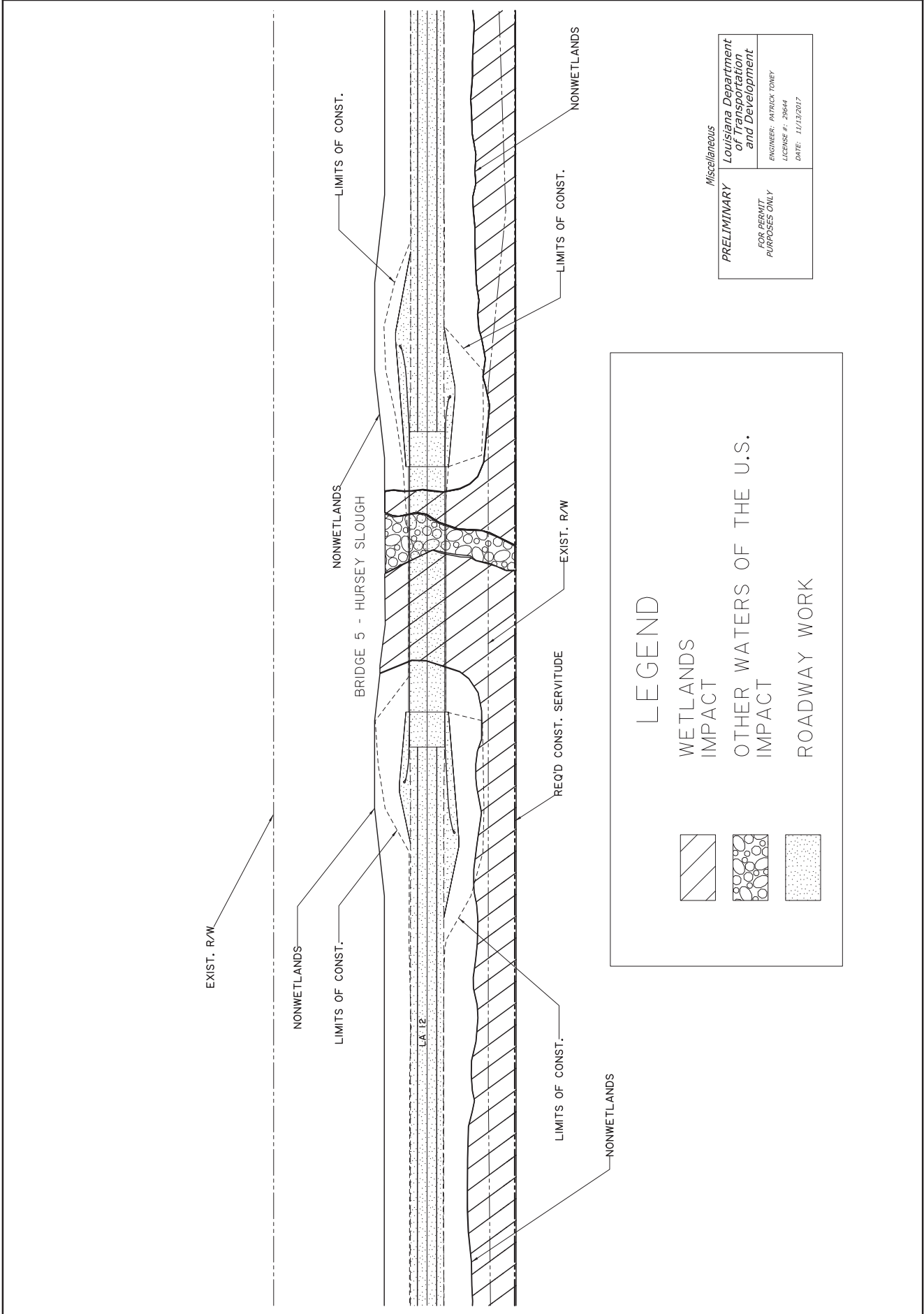


PRELIMINARY
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Miscellaneous
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LEGEND

	WETLANDS IMPACT
	OTHER WATERS OF THE U.S. IMPACT
	ROADWAY WORK



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	WETLANDS IMPACT
	OTHER WATERS OF THE U.S. IMPACT
	ROADWAY WORK

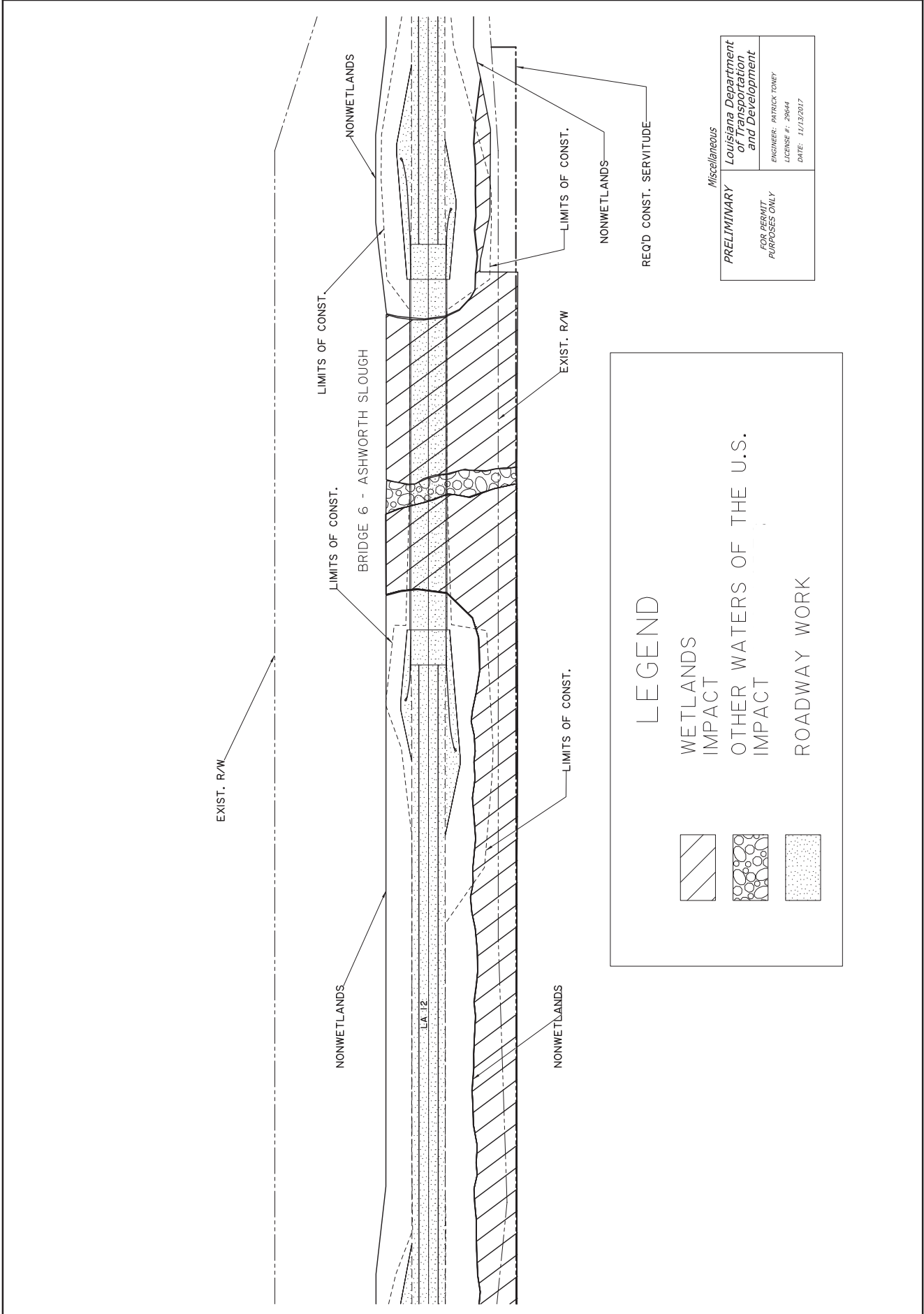
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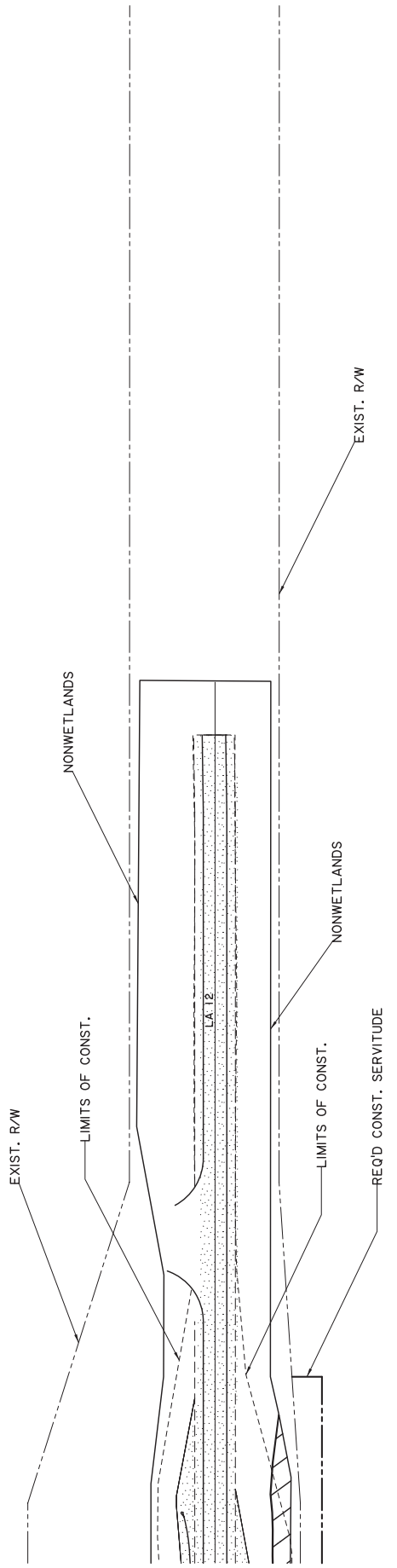
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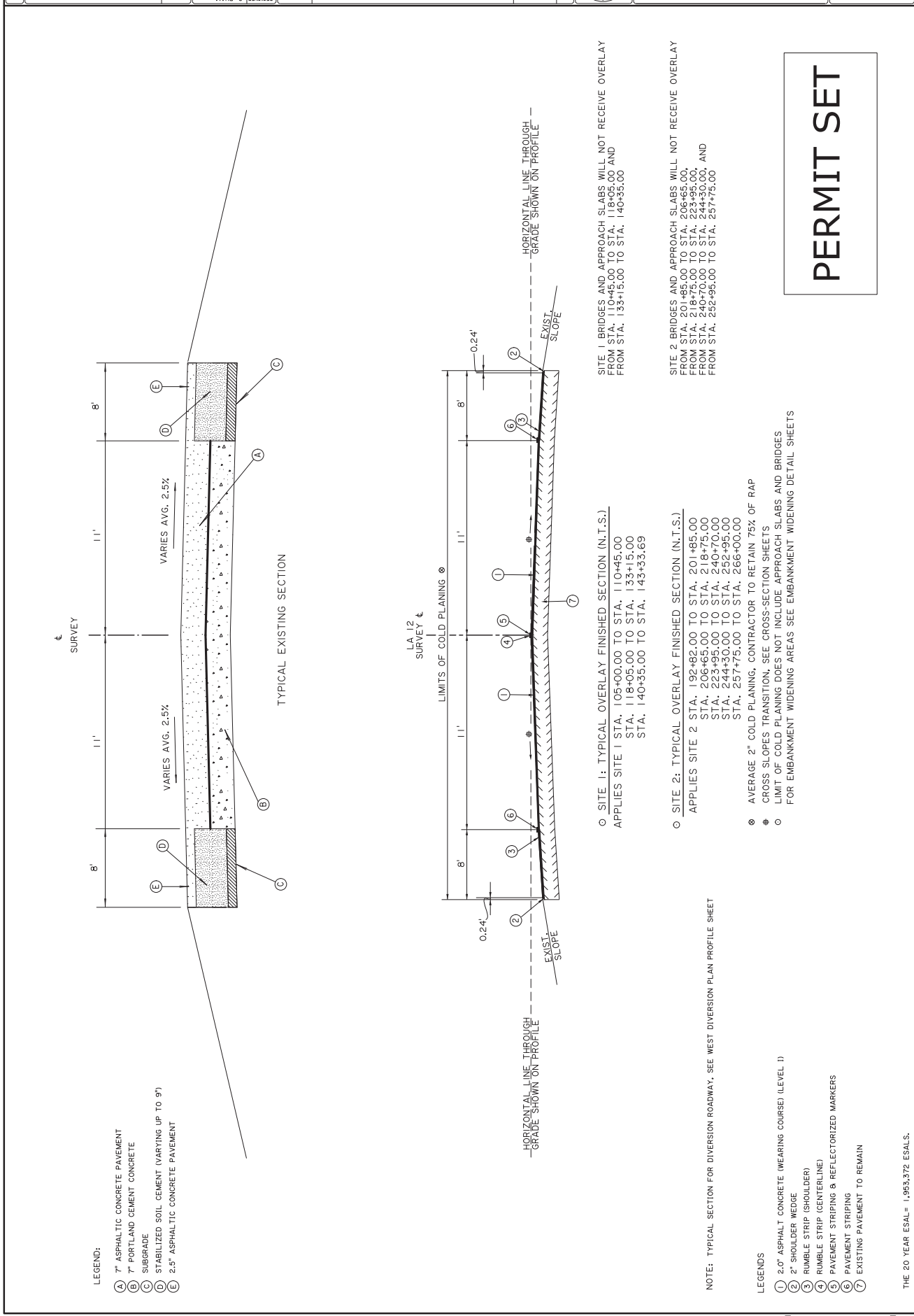


LEGEND

		
WETLANDS IMPACTS	OTHER WATERS OF THE U.S. IMPACT	ROADWAY WORK

Miscellaneous

<p>PRELIMINARY</p> <p>FOR PERMIT PURPOSES ONLY</p>	<p>Louisiana Department of Transportation and Development</p> <p>ENGINEER: PATRICK TONEY LICENSE #: 29644 DATE: 11/13/2017</p>
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- LEGEND:**
- (A) 7" ASPHALTIC CONCRETE PAVEMENT
 - (B) 7" PORTLAND CEMENT CONCRETE
 - (C) SUBGRADE
 - (D) STABILIZED SOIL CEMENT (VARYING UP TO 9%)
 - (E) 2.5" ASPHALTIC CONCRETE PAVEMENT

- LEGENDS**
- (1) 2.0" ASPHALT CONCRETE (WEARING COURSE) (LEVEL 1)
 - (2) 2" SHOULDER WEDGE
 - (3) RUMBLE STRIP (SHOULDER)
 - (4) RUMBLE STRIP (CENTERLINE)
 - (5) PAVEMENT STRIPING & REFLECTORIZED MARKERS
 - (6) PAVEMENT STRIPING
 - (7) EXISTING PAVEMENT TO REMAIN

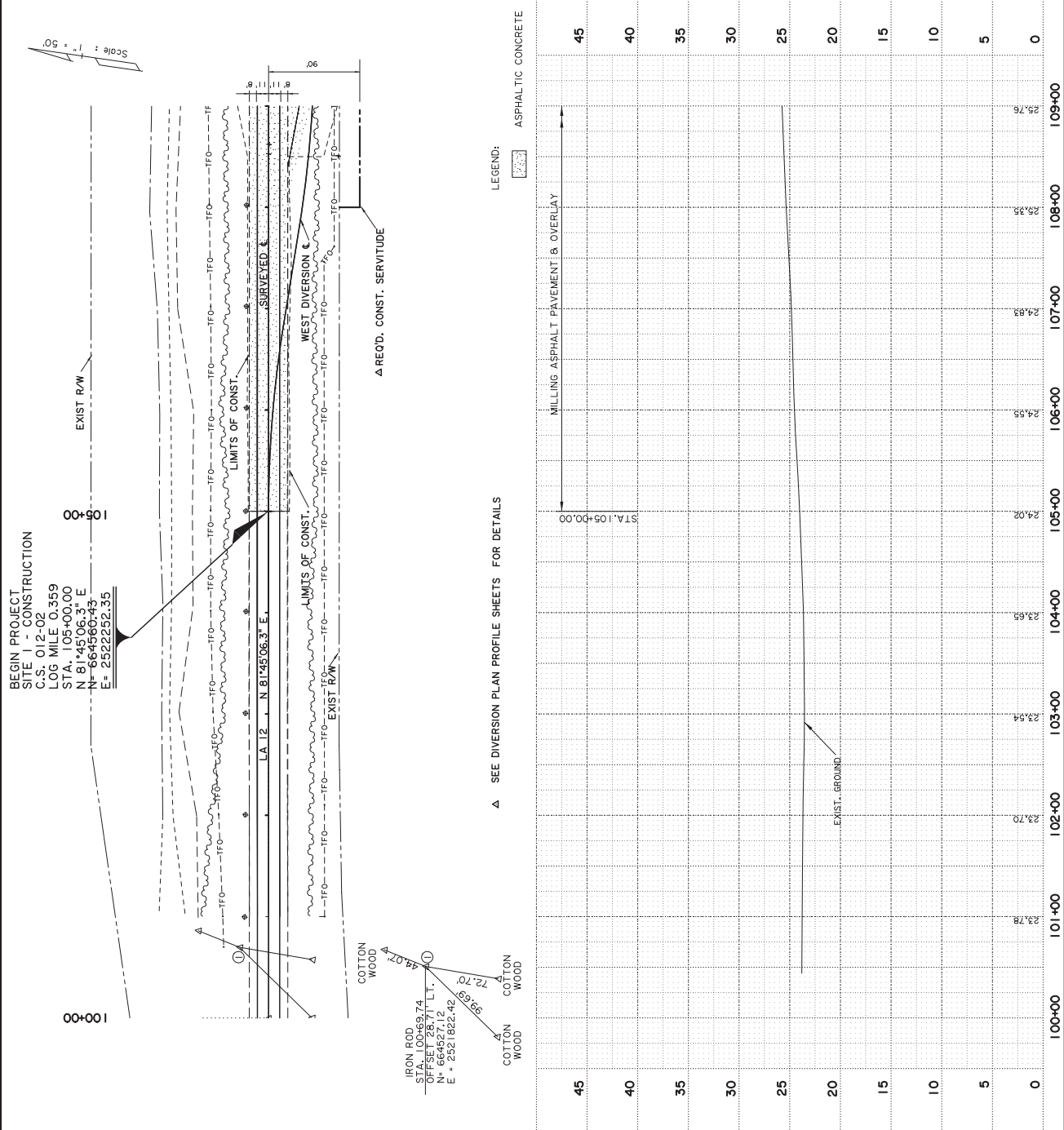
NOTE: TYPICAL SECTION FOR DIVERSION ROADWAY. SEE WEST DIVERSION PLAN PROFILE SHEET

- **SITE 1: TYPICAL OVERLAY FINISHED SECTION (N.T.S.)**
 APPLIES SITE 1 STA. 105+00.00 TO STA. 110+45.00
 STA. 118+05.00 TO STA. 133+15.00
 STA. 140+35.00 TO STA. 143+33.69
- **SITE 2: TYPICAL OVERLAY FINISHED SECTION (N.T.S.)**
 APPLIES SITE 2 STA. 192+82.00 TO STA. 201+85.00
 STA. 206+65.00 TO STA. 218+75.00
 STA. 223+95.00 TO STA. 240+70.00
 STA. 244+30.00 TO STA. 252+95.00
 STA. 257+75.00 TO STA. 266+00.00
- ⊙ AVERAGE 2" COLD PLANING, CONTRACTOR TO RETAIN 75% OF RAP
- # CROSS SLOPES TRANSITION, SEE CROSS-SECTION SHEETS
- LIMIT OF COLD PLANING DOES NOT INCLUDE APPROACH SLABS AND BRIDGES FOR EMBANKMENT WIDENING AREAS SEE EMBANKMENT WIDENING DETAIL SHEETS

SITE 1 BRIDGES AND APPROACH SLABS WILL NOT RECEIVE OVERLAY
 FROM STA. 110+45.00 TO STA. 118+05.00 AND
 FROM STA. 133+15.00 TO STA. 140+35.00

SITE 2 BRIDGES AND APPROACH SLABS WILL NOT RECEIVE OVERLAY
 FROM STA. 201+85.00 TO STA. 206+65.00,
 FROM STA. 218+75.00 TO STA. 223+95.00,
 FROM STA. 240+70.00 TO STA. 244+30.00, AND
 FROM STA. 252+95.00 TO STA. 257+75.00

PERMIT SET



LEGEND - EXISTING TOPOGRAPHY

	CENTERLINE		GAS LINE
	UTILITY MARK		GAS METER
	INVERT ELEVATION		GAS SERVICE (NO METER)
	SLOPE		GAS METER
	WATER EDGE		GAS METER WITH VALVE
	HIGH WATER MARK		GAS METER WITH VALVE
	CATCH BASIN (TOP/BOTTOM)		GAS METER WITH VALVE
	BRAGGAGE MANHOLE TOP		GAS METER WITH VALVE
	LEVEL TOP		GAS METER WITH VALVE
	DITCH CENTERLINE		SEWER CLEANOUT
	MARSH EDGE		SEWER MANHOLE
	SWAMP LINE		SEWER TANK
	HEDGE		SEWER TREATMENT (INDIVIDUAL)
	TREE CLUSTER		FEDERAL AND MARKER
	BUSH		TRAFFIC SIGNAL SUPPORT POLE
	GATE LINE		LIGHT POLE
	CATTLE GUARD		TRAFFIC SIGNAL WALL
	RIGHT OF WAY MONUMENT		PARKING METER
	SECTION CORNER		TELEPHONE BOOTH
	TELEVISION CABLE		TELEPHONE PEDestal
	POWER LINE		TELEPHONE PRESSURE BOX
	POWER JUNCTION BOX		WATER LINE CASING
	TRANSFORMER		WATER CLEANOUT
	FUEL TANK		WATER VALVE
	PIPELINE		WATER VALVE WITH VALVE
	PIPELINE VENT		WATER VALVE WITH VALVE
	GAS WELL		BILLBOARD
	HAY BALES		FUEL PUMP
	INLET FOR TRAP		SIGN POST
			STORAGE TANK (GROUND)
			MAIL BOX
			ORNAMENTAL LIGHT
			GRAVEL
			FIBER OPTIC

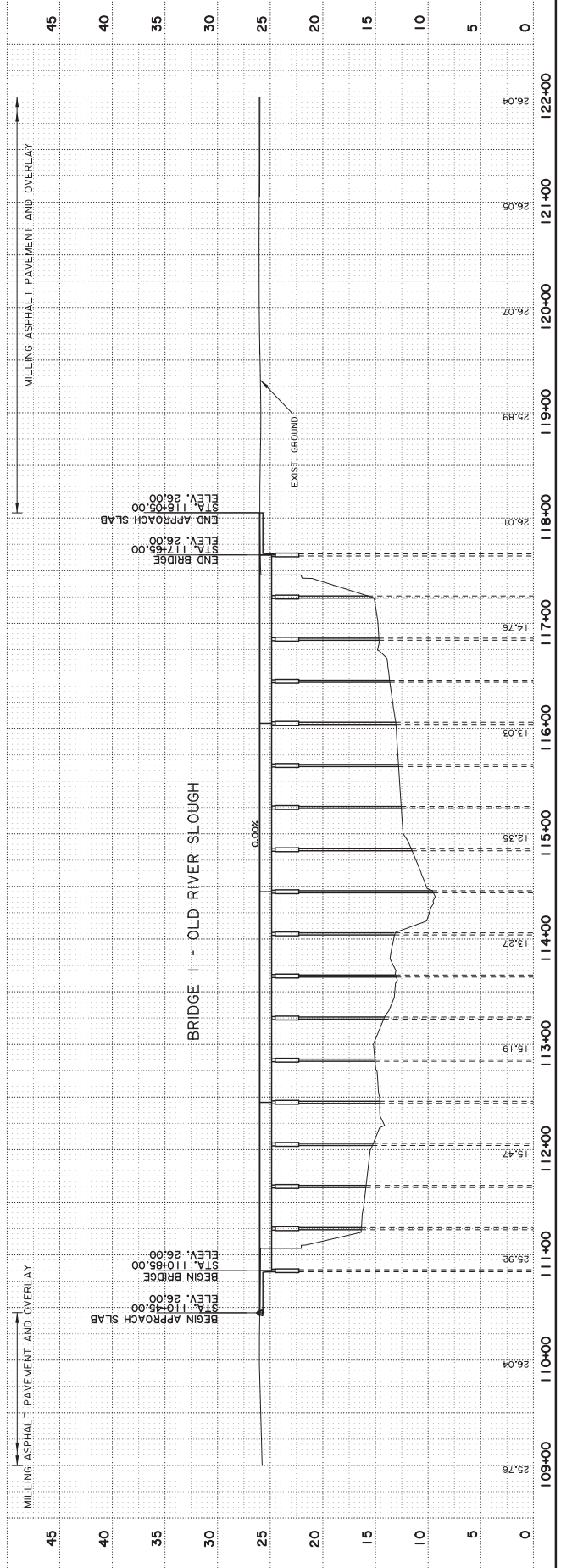
PERMIT SET



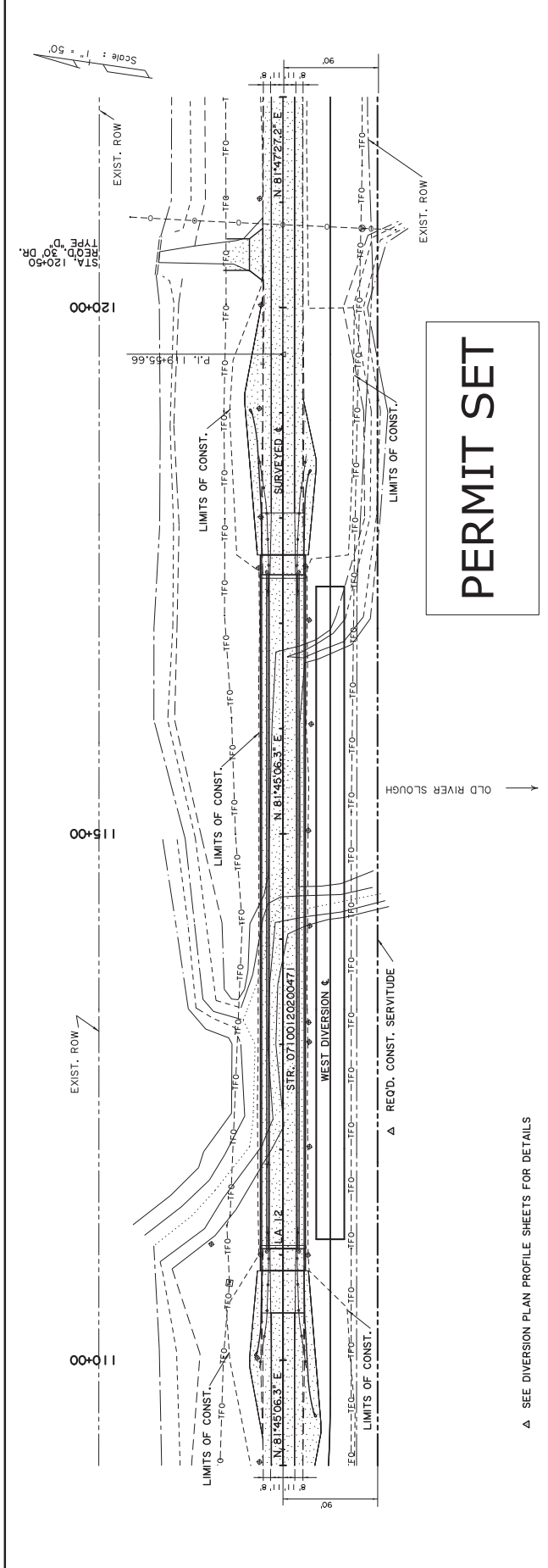
NO.	DATE	REVISION OR CHANGE ORDER OR DESCRIPTION

DESIGNED	C. PHAM
CHECKED	P. TONEY
DATE	
BY	
SCALE	

DESIGNED	C. PHAM
CHECKED	P. TONEY
DATE	
BY	
SCALE	
PROJECT	H.000428
SHEET NUMBER	5



PERMIT SET





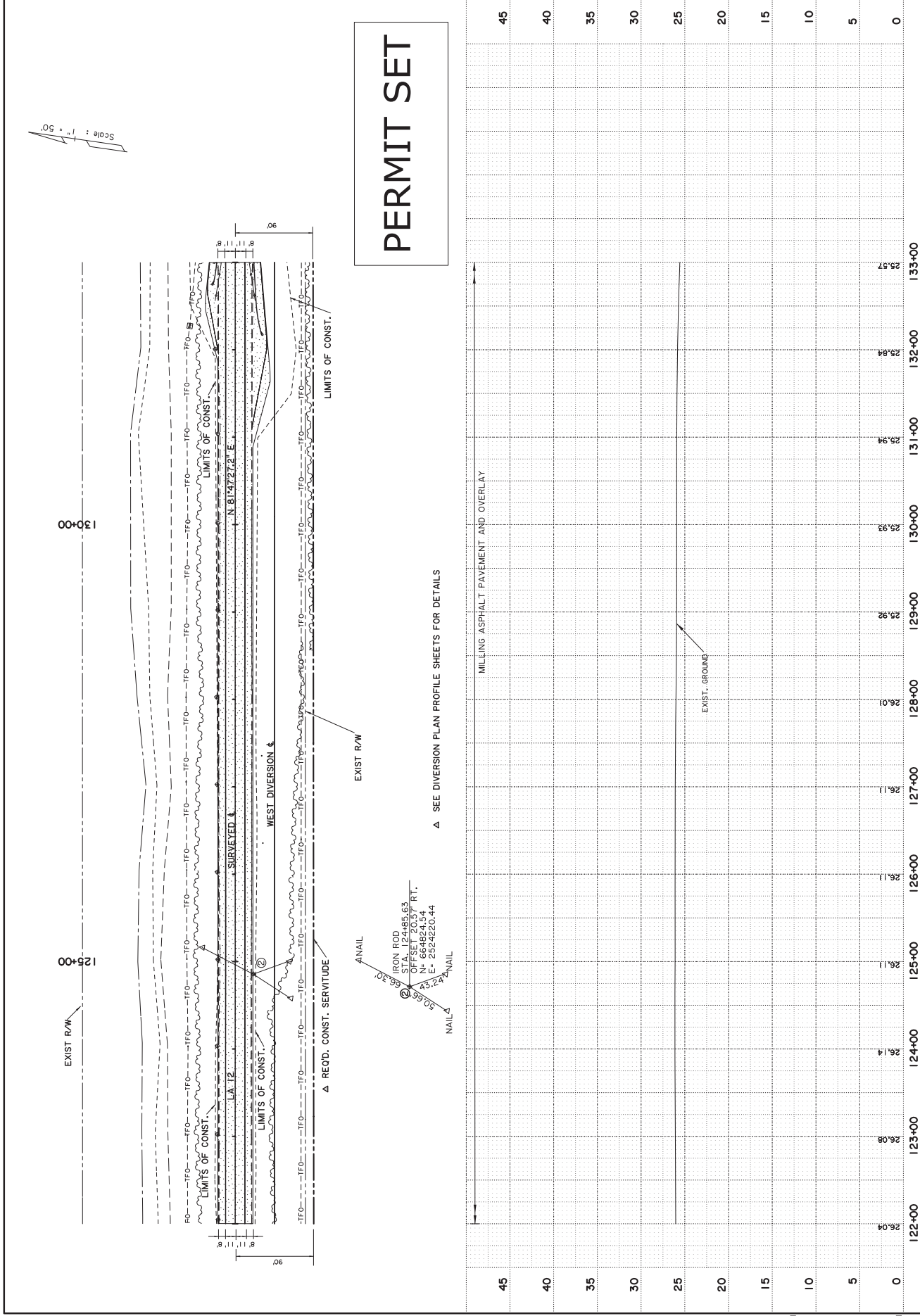
LA 12 BRIDGES
SITE 1
PLAN & PROFILE SHEET



NO. _____
DATE _____

REVISION OR CHANGE ORDER DESCRIPTION

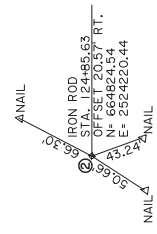
DESIGNED	C. PHAM
CHECKED	P. TONEY
DATE	
BY	
SCALE	
PROJECT	H.000428
STATE	
CONTROL	012-02
REVISION	CALCASIEU



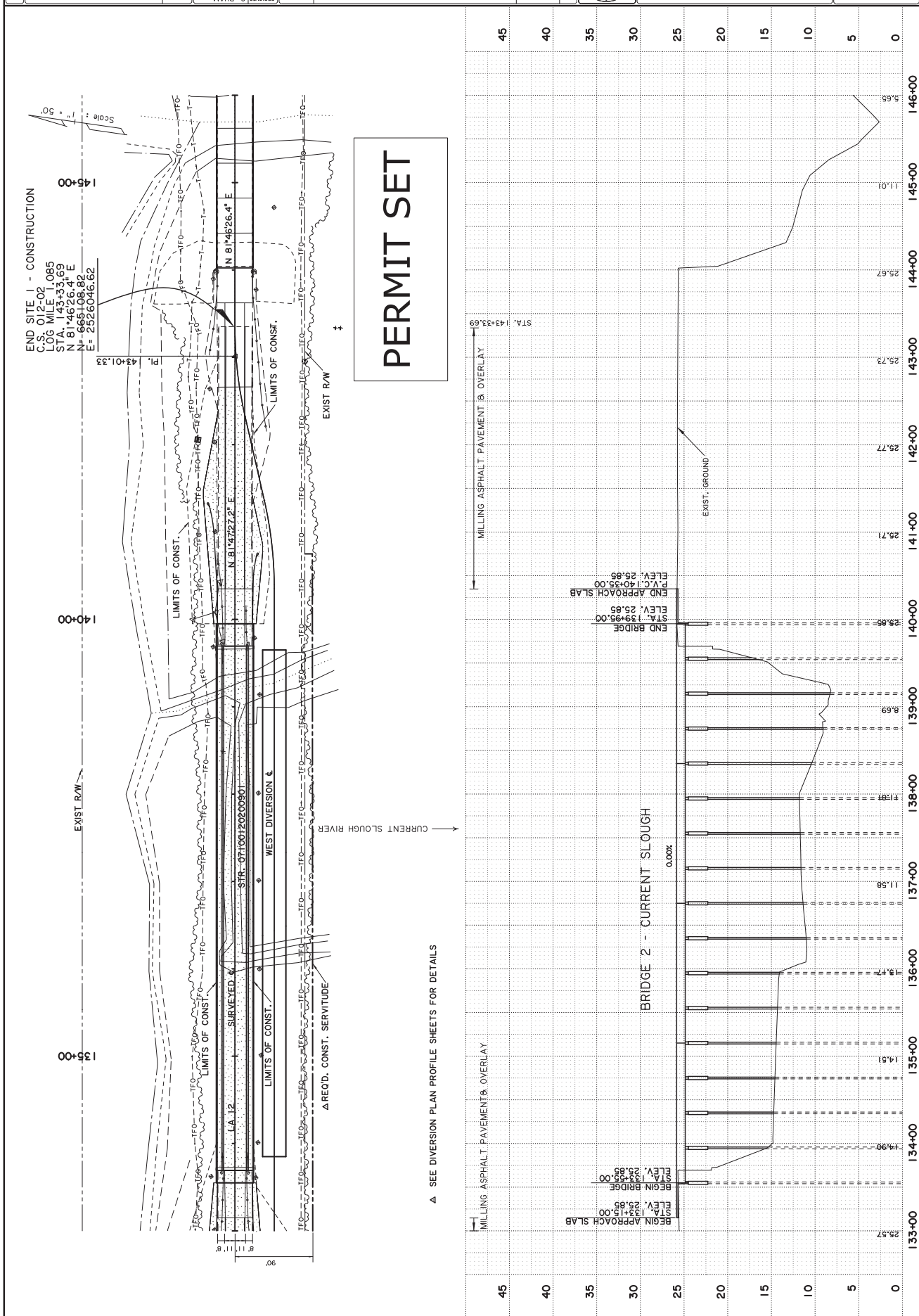
STATION	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00	130+00	131+00	132+00	133+00
ELEVATION	26.04	26.98	26.14	26.11	26.11	26.11	26.01	25.92	25.93	25.94	25.84	25.97

PERMIT SET

▲ SEE DIVERSION PLAN PROFILE SHEETS FOR DETAILS

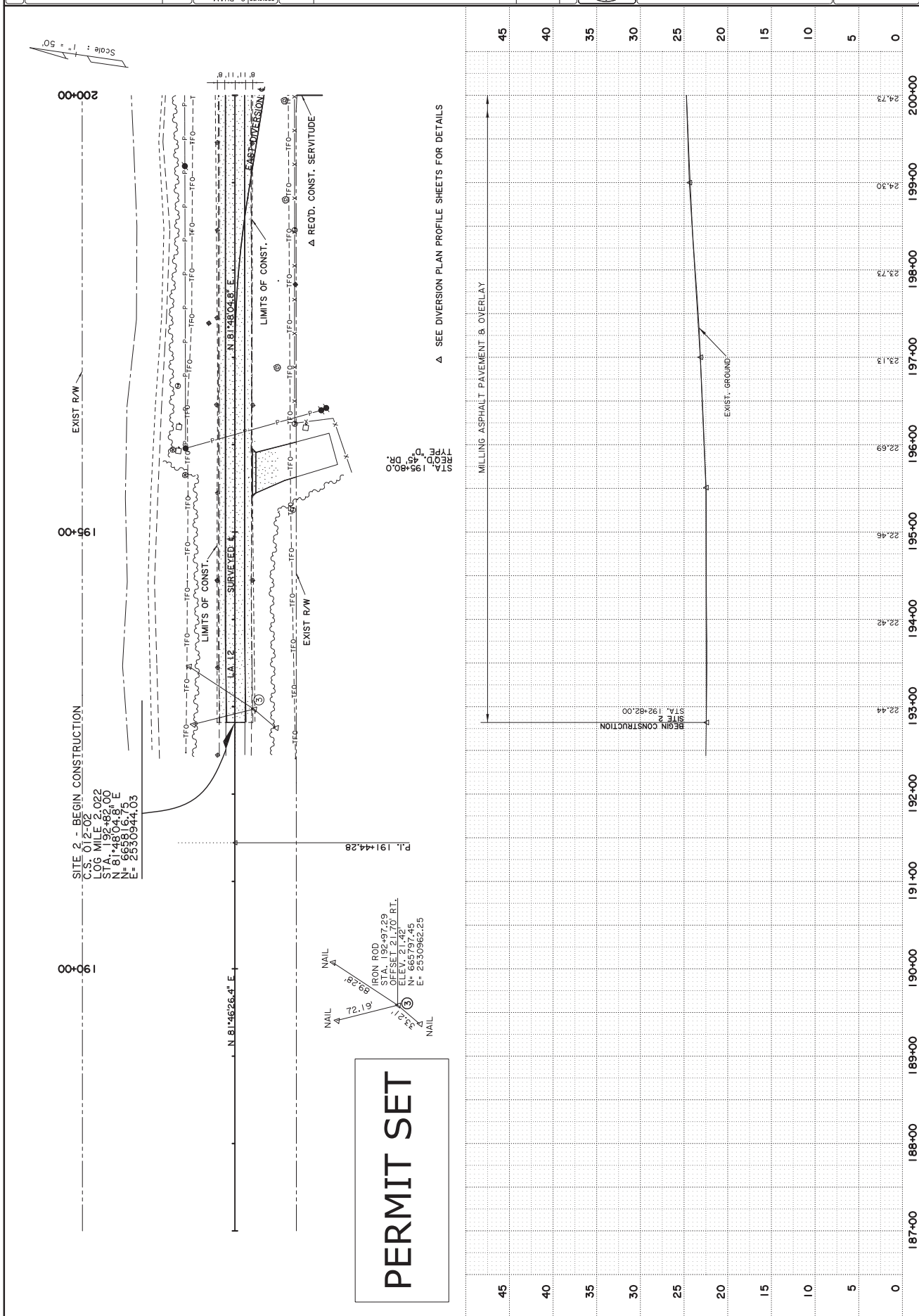


Scale: 1" = 50'





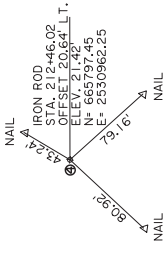
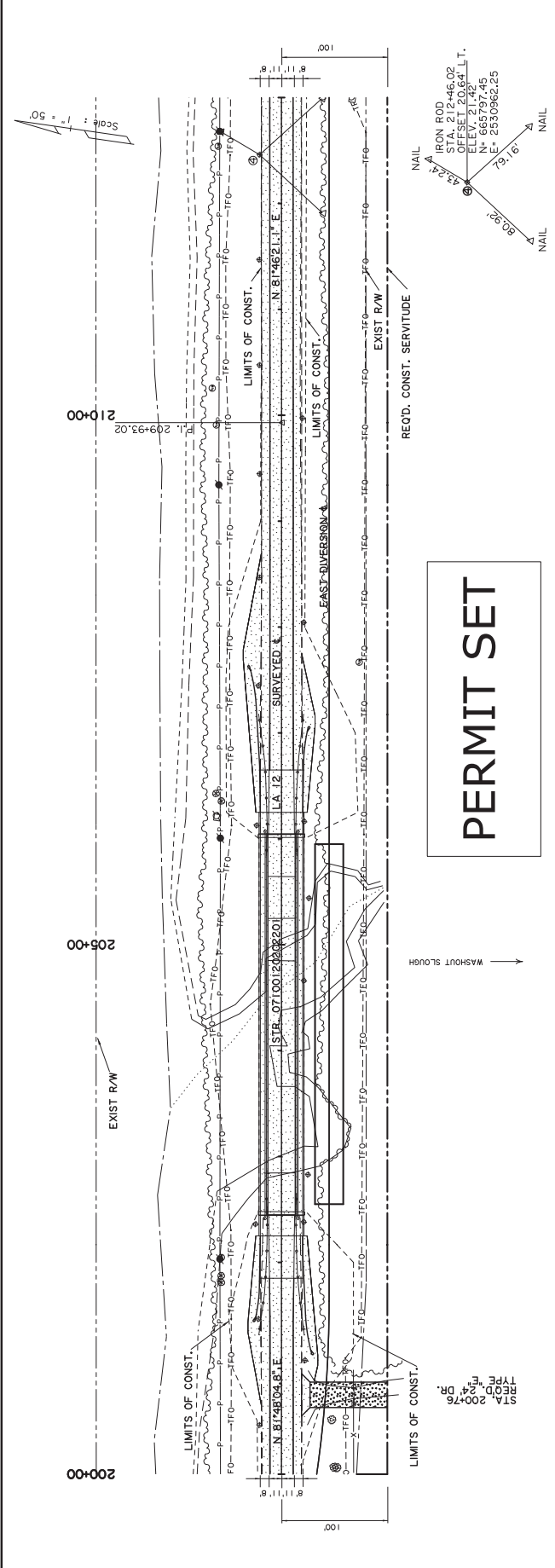
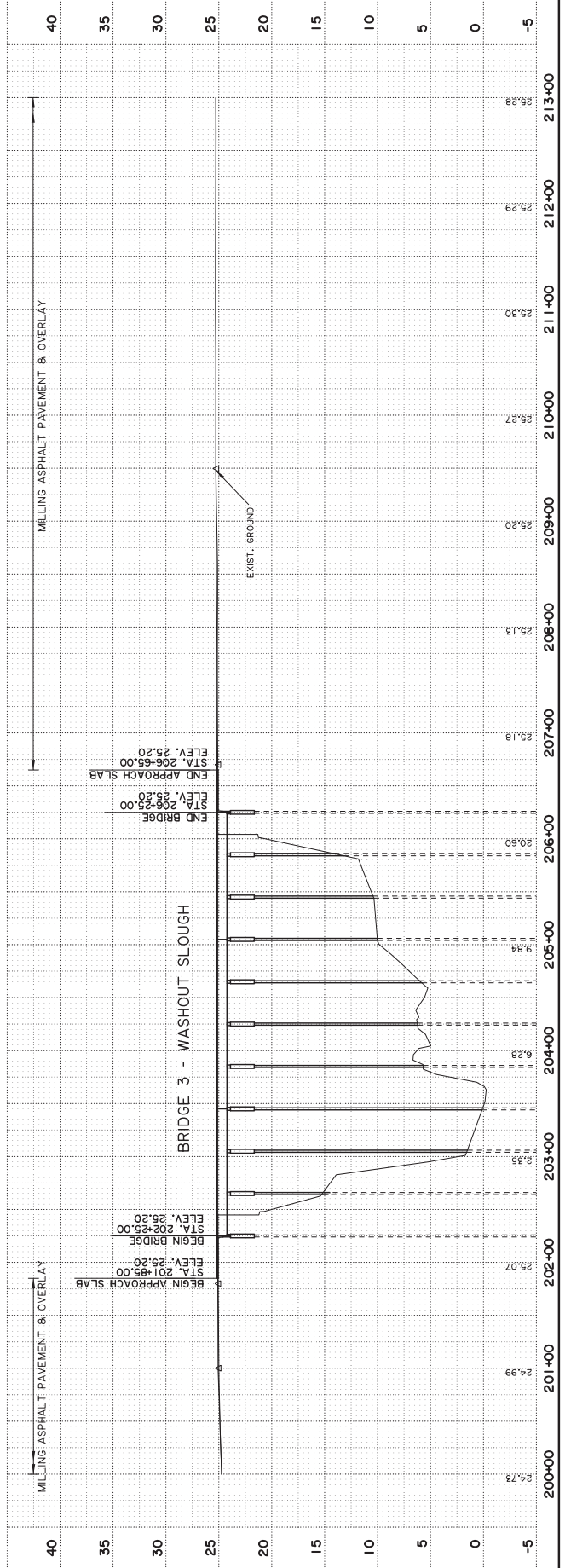
LA 12 BRIDGES
SITE 2
PLAN & PROFILE SHEET





NO.	DATE	REVISION OR CHANGE ORDER OR DESCRIPTION

DESIGNED	C. PHAM	DATE	
CHECKED	P. TONEY	BY	
DESIGNED	C. PHAM	PROJECT	H.000428
CHECKED	P. TONEY	SHEET NUMBER	5



PERMIT SET



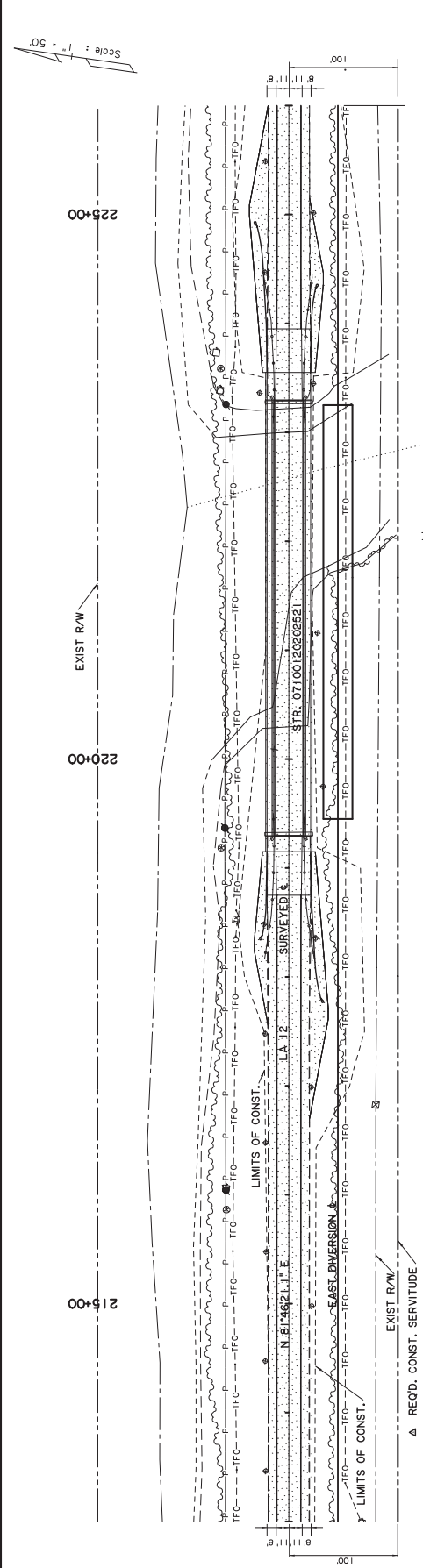
LA 12 BRIDGES
SITE 2
PLAN & PROFILE SHEET



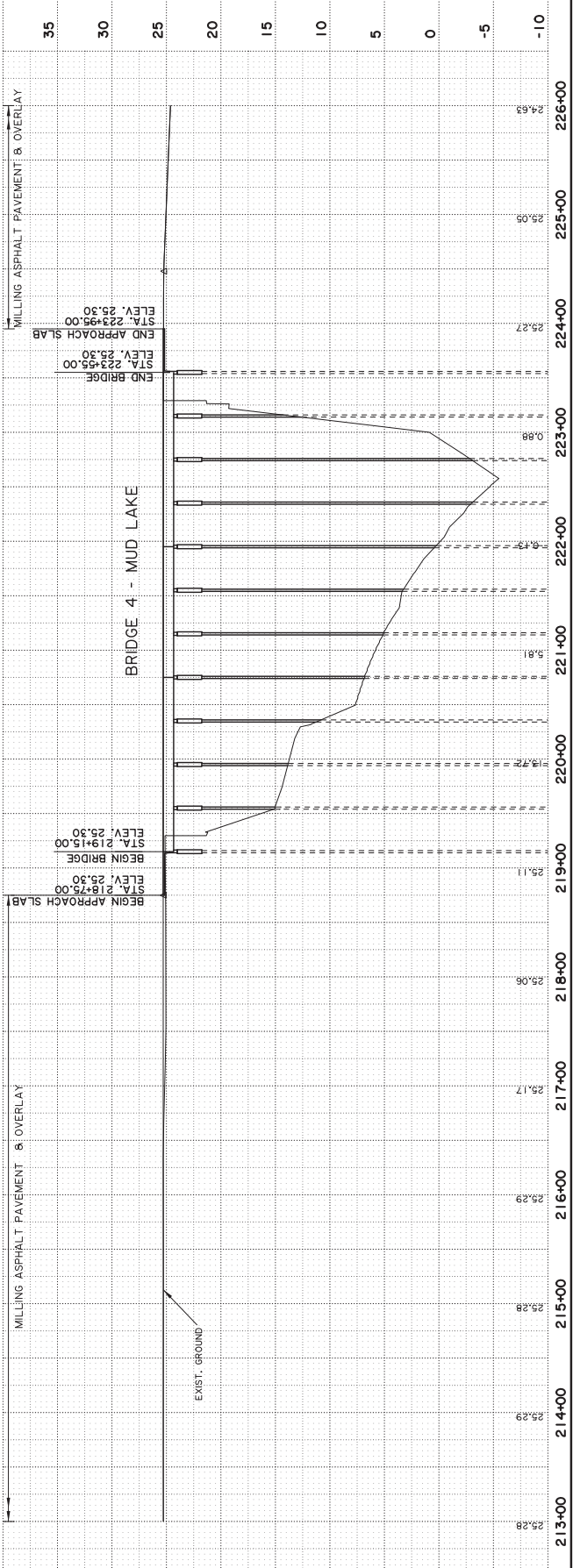
NO. DATE
BY

REVISION OR CHANGE ORDER OR DESCRIPTION

DESIGNED	C. PHAM	DATE	
CHECKED	P. TONEY	BY	
DESIGNED	C. PHAM	NO.	
CHECKED	P. TONEY	DATE	
PROJECT	H.000428	NO.	
CONTRACT	012-02	DATE	
DESIGNER	CALCASTEU	BY	



PERMIT SET



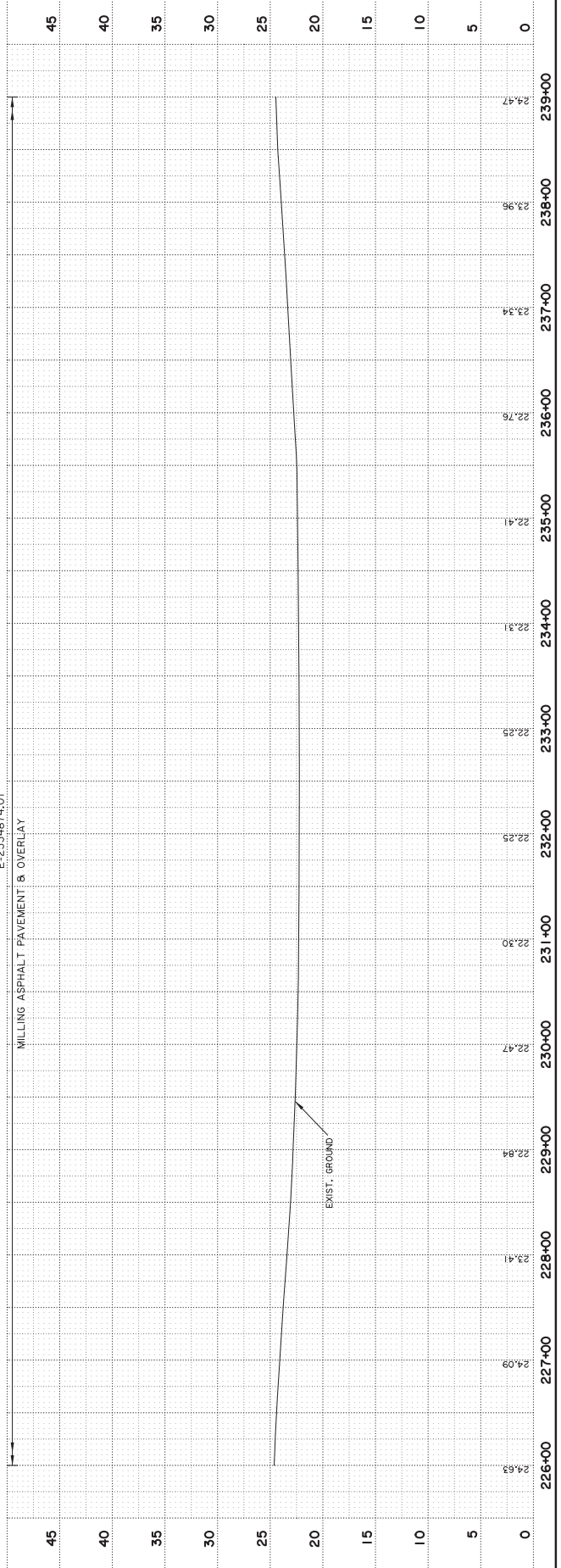


NO.	DATE	REVISION OR CHANGE ORDER OR DESCRIPTION

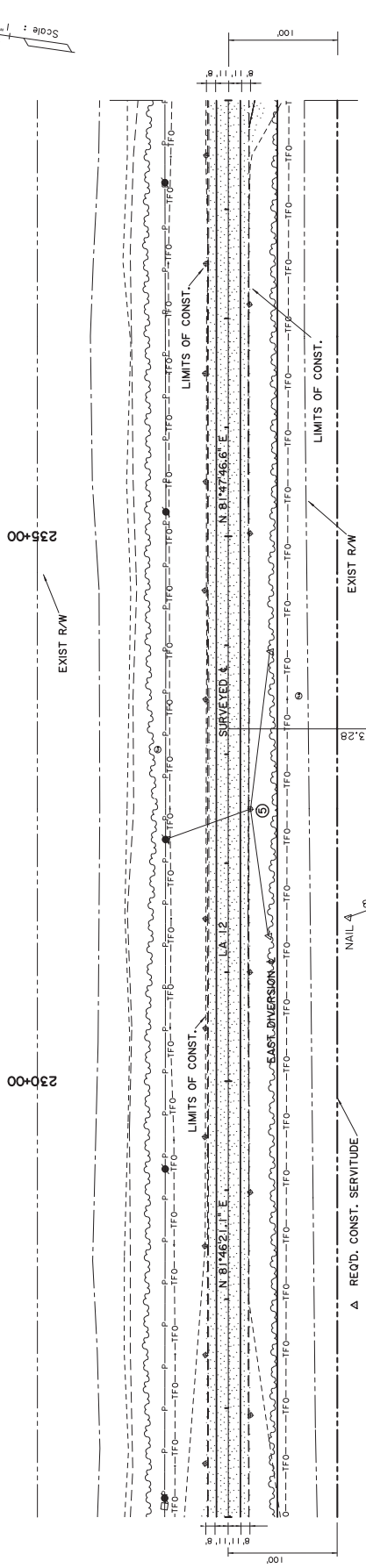
DESIGNED	C. PHAM	BY	
CHECKED	P. TONEY	DATE	

DESIGNED	C. PHAM	PROJECT	H.000428
CHECKED	P. TONEY	SECTION	012-02

SHEET NUMBER 111



PERMIT SET

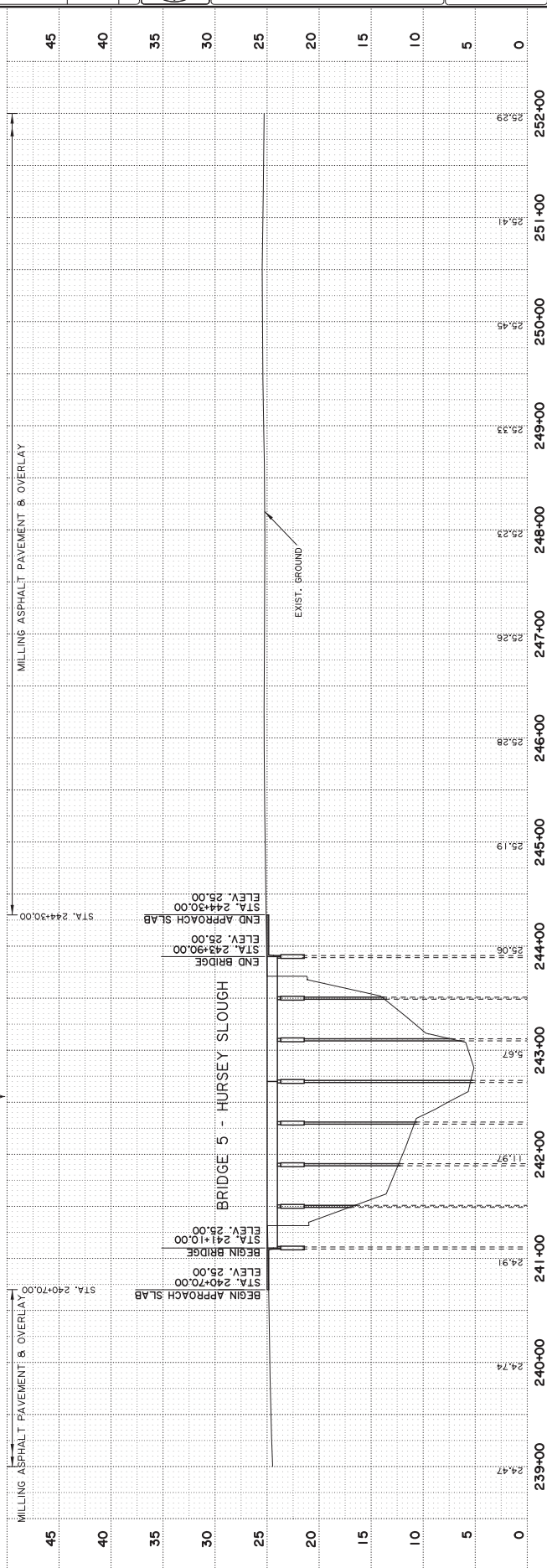
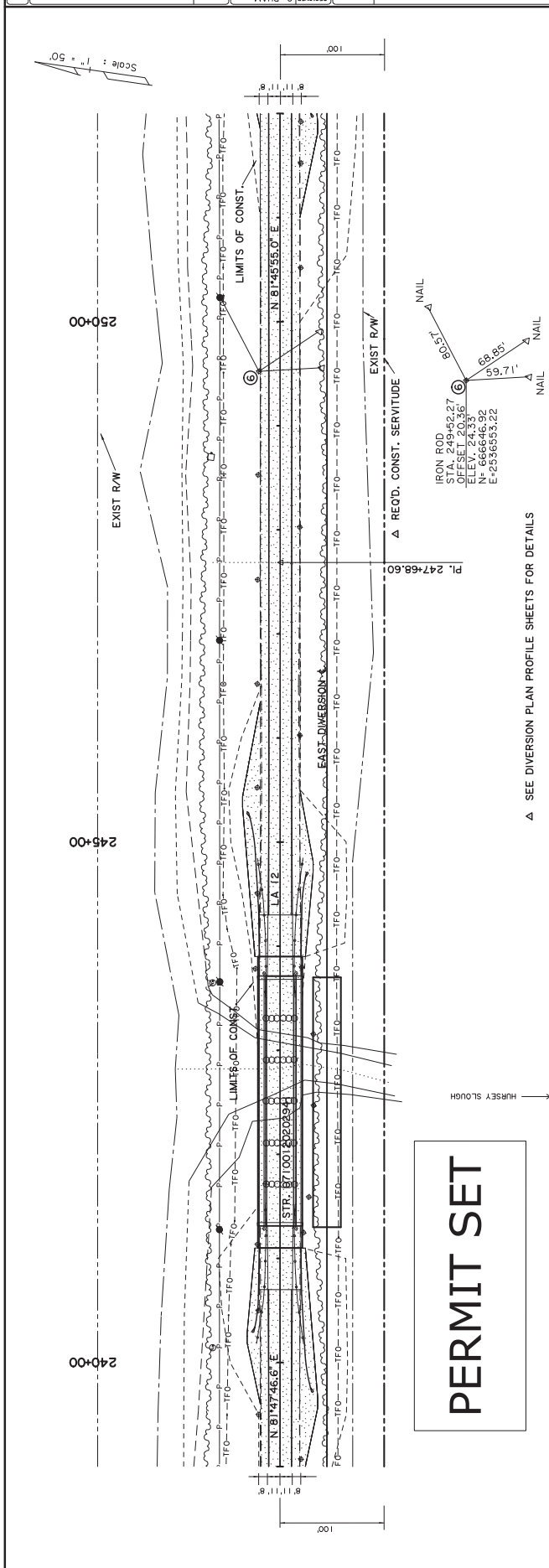


Scale: 1" = 50'

SEE SHEETS DIVERSION PLAN PROFILE SHEETS FOR DETAILS



DESIGNED C. PHAM	DESIGNED P. TONEY	PROJECT H.000428
CHECKED P. TONEY	CHECKED P. TONEY	SHEET NUMBER 12
DATE	NO.	BY
REVISION OR CHANGE ORDER DESCRIPTION		



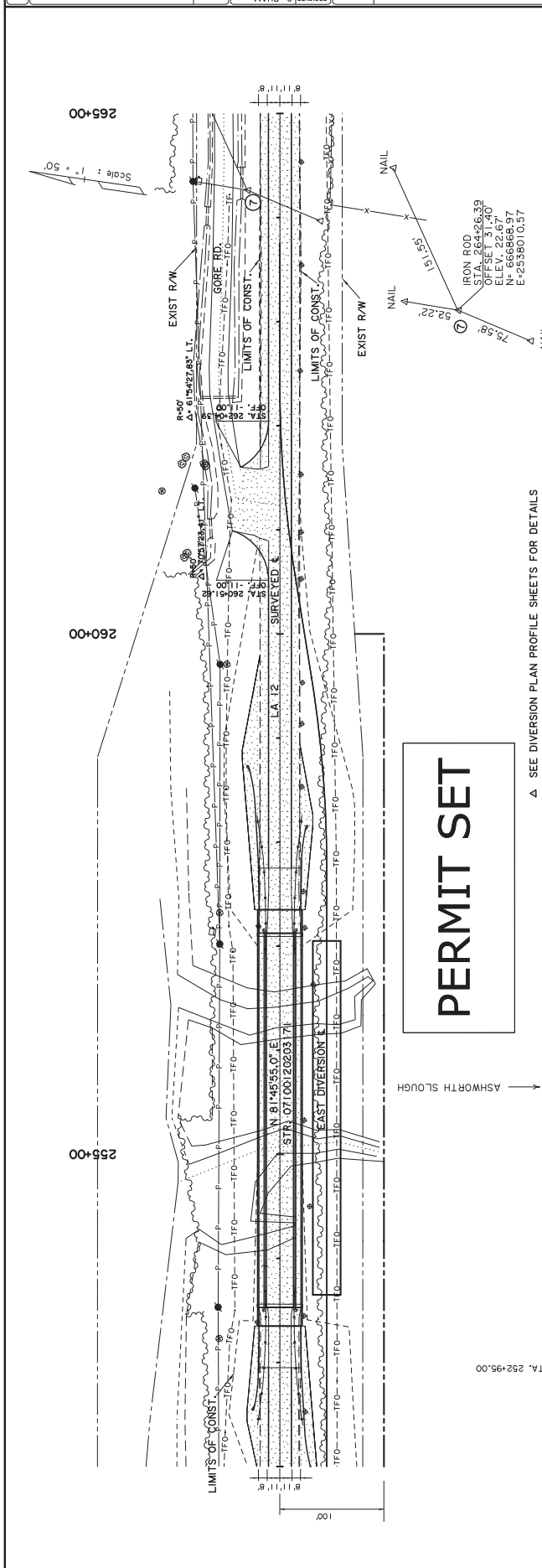
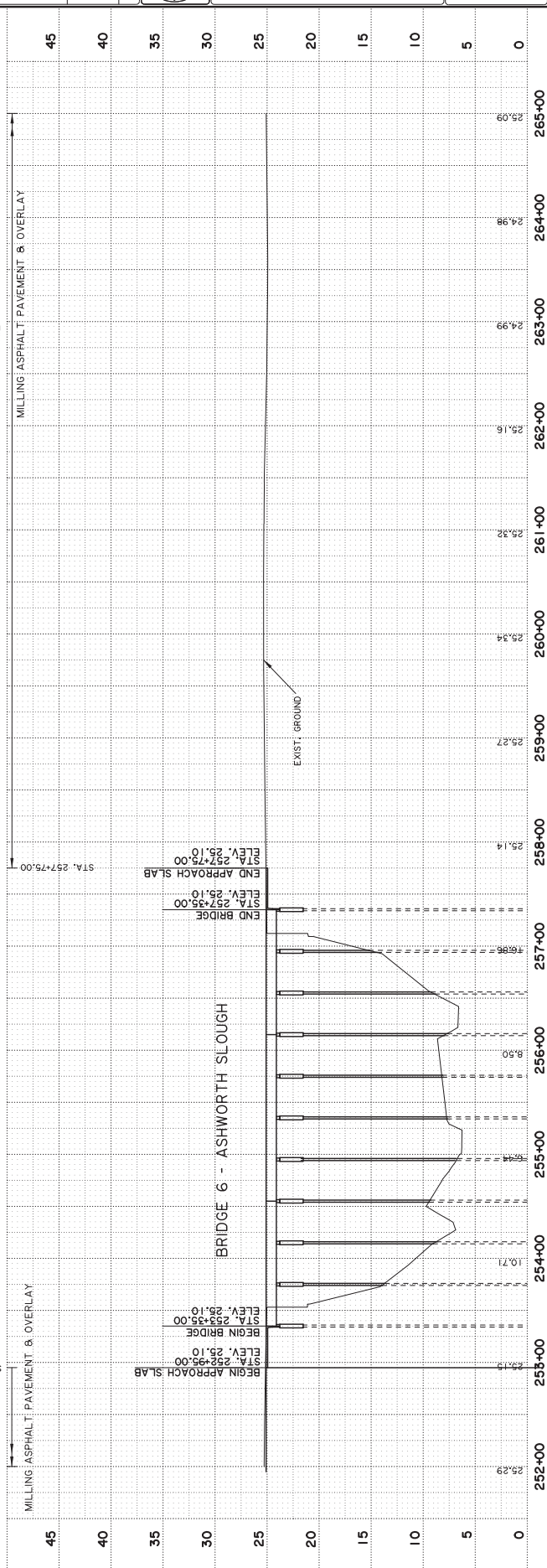
PERMIT SET

SEE DIVERSION PLAN PROFILE SHEETS FOR DETAILS



NO.	DATE	REVISION OR CHANGE ORDER OR DESCRIPTION

DESIGNED	C. PHAM	DATE	
CHECKED	P. TONEY	BY	
DESIGNED	C. PHAM	PROJECT	H.000428
CHECKED	P. TONEY	SHEET NUMBER	13
DESIGNED	C. PHAM	SECTION	012-02
CHECKED	P. TONEY	REVISION	
DESIGNED	C. PHAM		
CHECKED	P. TONEY		





LA 12 BRIDGES
SITE 2
PLAN & PROFILE SHEET



NO. _____
DATE _____

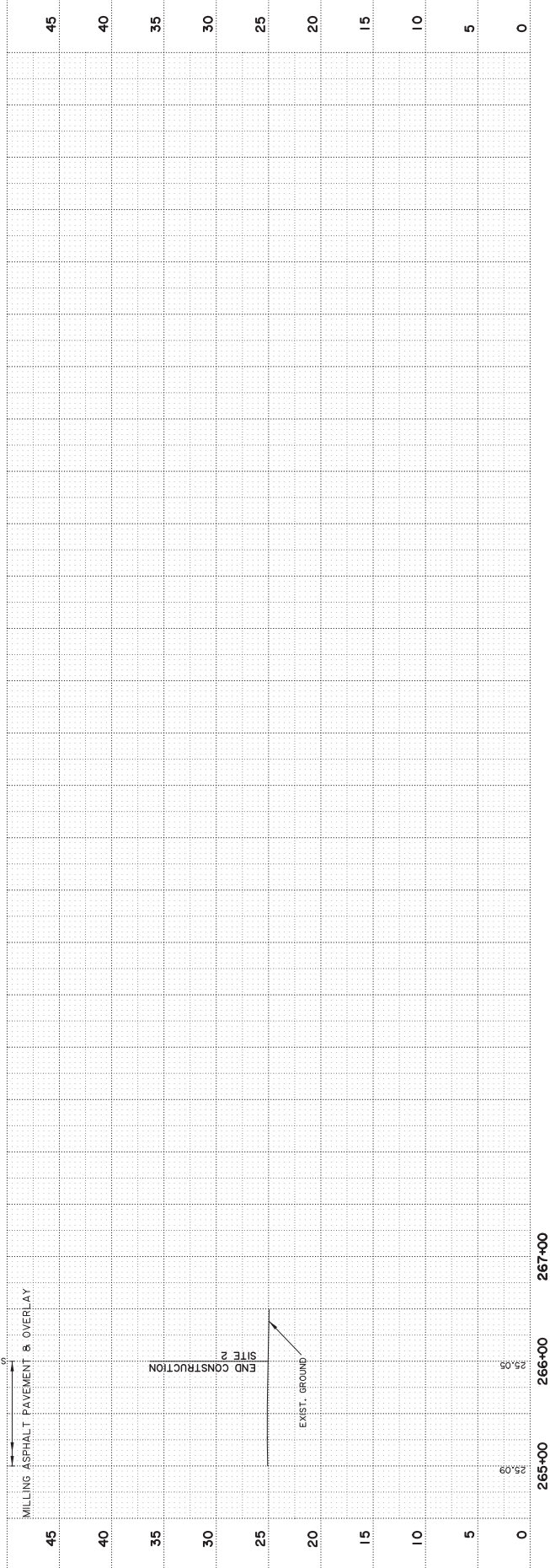
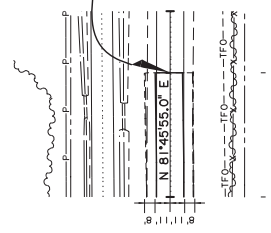
REVISION OR CHANGE ORDER DESCRIPTION

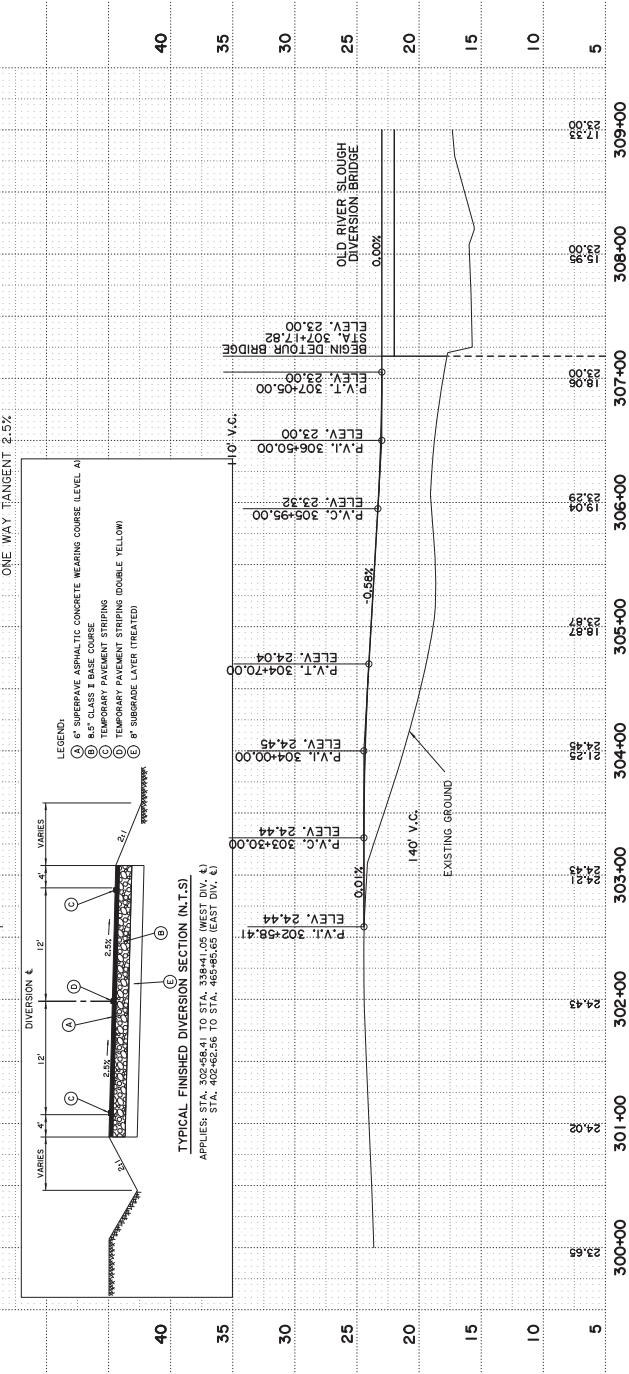
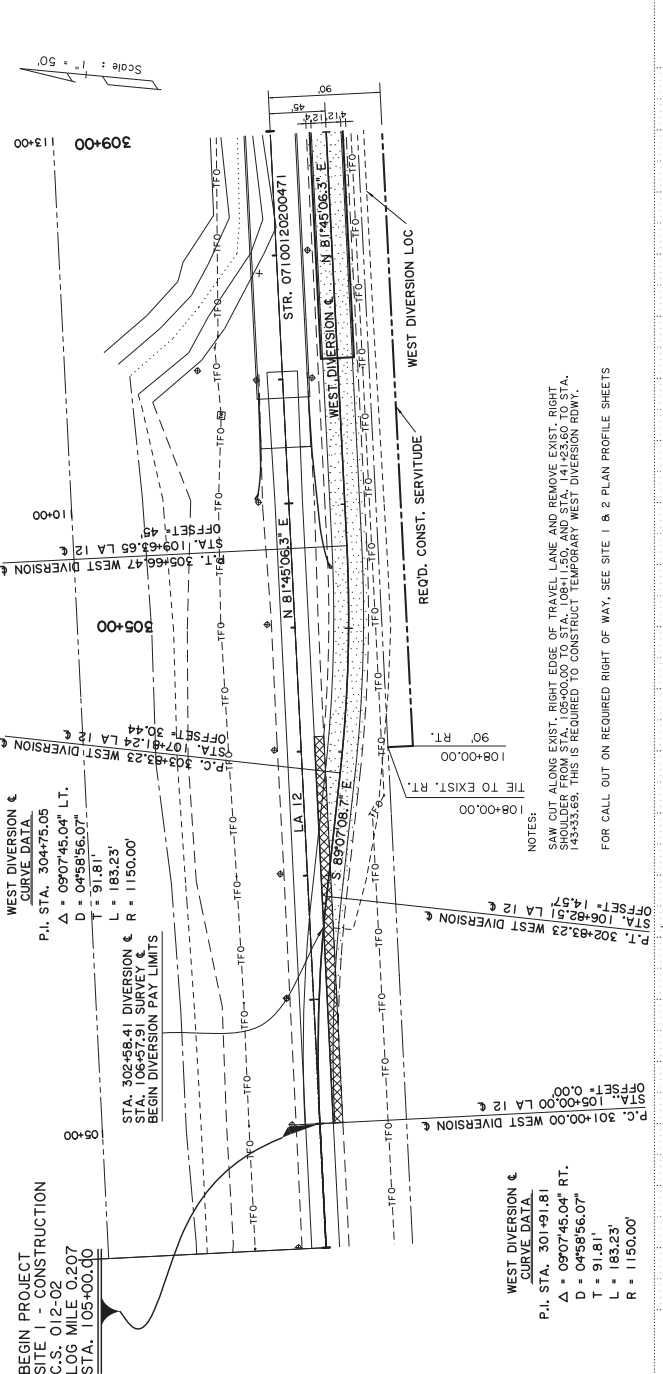
DESIGNED	C. PHAM
CHECKED	P. TONEY
DATE	
BY	
SCALE	
PROJECT	H.000428
SHEET NUMBER	14
CONTROL SECTION	012-02
RAISED	CALCASIEU

PERMIT SET

Scale: 1" = 50'

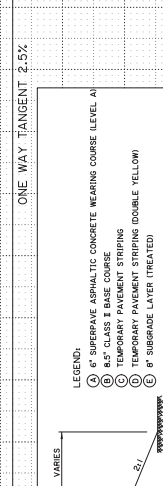
END PROJECT
SITE 2 - END CONSTRUCTION
C.S. 012-02
LOG MILE 3.408
STA. 266+00.00
N 81°45'55.0" E
N= 666862.77
E= 2338186.86





WEST DIVERSION
SOURCE DATA
 P.I. STA. 301+91.81
 Δ = 09°07'45.04" RT.
 D = 04°58'56.07"
 T = 91.81'
 L = 183.23'
 R = 1150.00'

WEST DIVERSION
SOURCE DATA
 P.I. STA. 304+75.05
 Δ = 09°07'45.04" LT.
 D = 04°58'56.07"
 T = 91.81'
 L = 183.23'
 R = 1150.00'



- LEGEND - EXISTING TOPOGRAPHY**
- | | | | |
|-------------------------|------------------------|------------------------|----------------|
| CONCRETE MARK | GAS LINE | TELEPHONE BOOTH | TRAP |
| WOOD SIGN/CHALK MARK | GAS SERVICE (NO METER) | TELEPHONE PRESSURE BOX | TRAP (TOP) |
| PHOTO TARGET | GAS SERVICE METER | TELEPHONE PRESTAL | TRAP (DEPTH) |
| PAVEMENT EDGE | GAS SERVICE VALVE | TELEPHONE PRESSURE BOX | TRAP (NO MARK) |
| PAVEMENT SURFACE | GAS SERVICE BOX | TELEPHONE PRESSURE BOX | TRAP (NO MARK) |
| SLOPE TOE | GAS LANE CAPPING | WATER CLEANOUT | TRAP (NO MARK) |
| GLADIATOR TOP | RAILROAD HIGHLIGHT | SEWER CLEANOUT VALVE | TRAP (NO MARK) |
| WATER EDGE | RAILROAD SWITCH | SEWER CLEANOUT VALVE | TRAP (NO MARK) |
| WATER MARK | RAILROAD TRACK | SEWER CLEANOUT VALVE | TRAP (NO MARK) |
| WATER MARK | RAILROAD TRACK | SEWER CLEANOUT VALVE | TRAP (NO MARK) |
| PIPE CULVERT | SEWER LINE | SEWER CLEANOUT VALVE | TRAP (NO MARK) |
| CATCHBASIN (TOP/BOTTOM) | SEWER LINE | SEWER CLEANOUT VALVE | TRAP (NO MARK) |
| BRANCH/STAMPABLE TOP | SEWER LINE | SEWER CLEANOUT VALVE | TRAP (NO MARK) |

NOTE:
 TEMPORARY PAVEMENT MARKINGS FOR THE DIVERSION ROAD IS INCLUDED UNDER THEM 725-01-00.00 TEMPORARY DETOUR ROADS.

PERMIT SET