

# JOINT PUBLIC NOTICE

February 7, 2022

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

(504) 862-2099  
Project Manager  
Stephen Pfeffer  
[stephen.d.pfeffer@usace.army.mil](mailto:stephen.d.pfeffer@usace.army.mil)  
MVN 2018-00608-MS

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

(225) 219-3225  
Project Manager  
Elizabeth Hill  
WQC Application Number  
WQC 220127-01

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 WIDENING OF LA 70 FROM THE SUNSHINE BRIDGE TO LA 22 IN ASCENSION AND ST. JAMES PARISHES**

**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 70 near its intersection with the Sunshine Bridge to its intersection with LA 22, in Section 1, Township 11 South, Range 3 East, and Section 1, Township 10 South, Range 3 East in Ascension and St. James Parishes, south of Sorrento, Louisiana, as shown on the enclosed drawings (Latitude 30.1014° N, Longitude 90.8921° W). This project is located in the Lake Pontchartrain watershed basin within the Lake Maurepas USGS Catalog Unit 08070204.

**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 widening of a two-lane highway to a four-lane divided highway. The proposed project would impact approximately 13.9 acres of jurisdictional wetlands. The applicant has claimed that the project has been designed to avoid and minimize impacts as much as possible. Approximately 307,438 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 DIVISION.** 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. Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project would have no effect to 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.

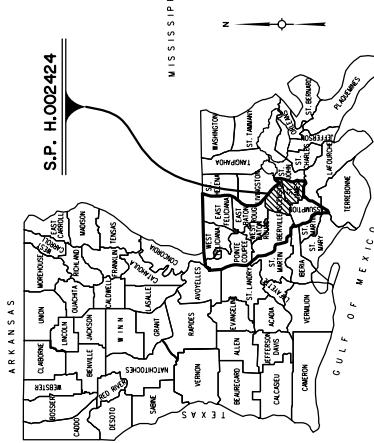
The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant receives approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

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.

JOHN M. HERMAN  
Chief, Central Evaluation Branch  
Regulatory Division

Enclosures

STATE OF LOUISIANA  
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
PLANS OF PROPOSED STATE HIGHWAY  
FEDERAL PROJECT NUMBER H002424  
STATE PROJECT NUMBER H.002424  
**LA 70: SUNSHINE BRIDGE - LA 22**  
**ST. JAMES AND ASCENSION PARISHES**



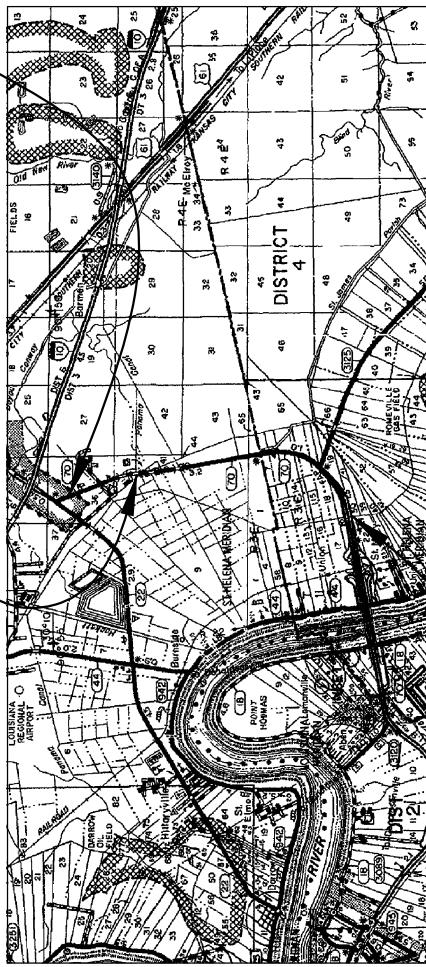
BEGIN PROJECT  
 LAT. 30°06'09.1  
 LONG. -90°53'07.3  
 STA. 100+00.00

BRIDGE SITE: 140.00'  
 STA. 300+40.00 TO  
 STA. 301+80.00  
CONCRETE SLAB SPAN

END PROJECT  
 LAT. 30°06'12.4  
 LONG. -90°52'53.2  
 STA. 362+70.00

**VICINITY MAP**

**TYPE OF CONSTRUCTION**  
 GRADING, DRAINAGE STRUCTURES,  
 ASPHALT CONCRETE, CONCRETE  
 SLAB SPAN BRIDGE  
 ROUNDABOUT CONSTRUCTION



**LAYOUT MAP**

SCALE: 1 INCH = 1 MILE

**PRELIMINARY**  
 FOR PERMIT PURPOSES ONLY  
 ENGINEER:  
 PATRICK B. TONEY  
 LICENSE #: 29644  
 DATE: 11/15/21



**TITLE SHEET**

LA 70: SUNSHINE BRIDGE - LA 22



SHEET NUMBER	1
DESIGNED BY	A. BROEMELIEK
CHECKED BY	
DETAILED BY	PATRICK TONEY
CHECKED BY	
CONTROL SECTION	426-02 & 426-03
PROJECT	H.002424
SERIES NUMBER	
BY	

**GENERAL PLAN**

**HYDRAULIC DATA**

PREDICTED SCOUR	
DRAINAGE AREA (MI <sup>2</sup> ):	FLOOD FREQUENCY (YEARS)
BASIN SLOPE (FT/MIN):	DISCHARGE (FT <sup>3</sup> /S) *
FLood FREQUENCY (YEARS)	DESIGN YEAR (50)
DISCHARGE (FT <sup>3</sup> /S) *	CONTRACTION SCOUR 1.0
D.W.S. ELEV. (FT) AND BB:	DEPTH (FT) *
AVERAGE VELOCITY (FT/S)	MAX PIER SCOUR 4.0
AREA OF OPENING (FT <sup>2</sup> )	DEPTH (FT) *
BACKWATER (FT)	ABUTMENT SCOUR 4
N/A	BRIDGE SCOUR (FT) N/A
N/A	ELEV. (FT) N/A (BB) -8.5

\* THE DRAINAGE AREA, PEAK DISCHARGES, AND VELOCITIES ARE INDETERMINATE BECAUSE PANAMA CANAL IS INTERCONNECTED WITH BAYOU CONWAY.

\* THE WATER SURFACE ELEVATIONS ARE OBTAINED FROM FEMA FLOOD INSURANCE STUDY FOR ASCENSION PARISH, LOUISIANA, EFFECTIVE, AUGUST 16, 2007.

△ THE ABUTMENT SLOPE SHOULD BE 3:1, AND FLEXIBLE REVETMENT IS RECOMMENDED.

**GUARD RAIL DESIGN CRITERIA**

Hwy Class	Design Speed (MPH)	Guard Rail Layout Requirements (ft)
RC-3	60	27.400
		LC
Bridge Side	LH L2 A/B X Y Z	
④	(A) 300 30 4 26:1 3:1.25 16.88	
④	(B) 300 30 8 1:4:1 1:3.75 15.63	
④	(C) 300 30 6 26:1 1:8.75 1:1.33	
④	(D) 300 30 5 0 67.5@ 5.00 10.00	
		MAX PILE CUT-OFF ELEV.
		MAX PILE
		1'-3" e BARRIER
		36'-0" CLEAR ROADWAY
		2'-0" P.G.L.
		LA 70 BRIDGE

④ CALCULATED USING ED3.1.3 DUE TO SPACE CONSTRAINT.  
④ MEASURED FROM EDGE OF TURN LANE ON LA 70 SB BRIDGE.  
④ NOT CALCULATED. MAXIMUM ALLOWED DUE TO SPACE CONSTRAINT.

**TYPICAL SECTION** (INTERMEDIATE BENT)

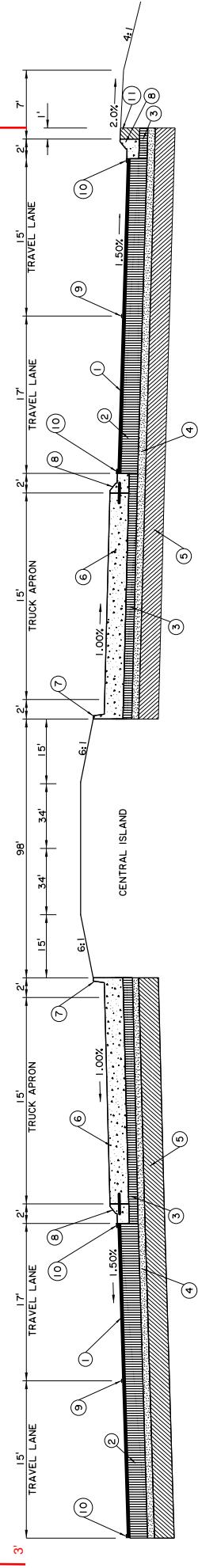
**ELEVATION**

**NOTES:**

- DATE OF CONSTRUCTION REQUIRED AT BEGINNING OF BRIDGE. SEE SPECIAL DETAIL YP-Q.
- FOR ADDITIONAL GUARD RAIL INFORMATION, SEE STANDARD PLANS FOR HIGHWAY GUARD RAIL.
- FILL SHALL BE IN PLACE AND REQUIRED EXCAVATION SHALL BE COMPLETED PRIOR TO DRIVING AFFECTED PILES.
- FLEXIBLE REVETMENT NOT DRAWN TO SCALE.
- ④ SLOTTED BARRIER RAILING TO BE USED ON LOW SIDE OF BRIDGE ONLY. SEE SPAN DETAILS AND BARRIER SPECIAL DETAILS FOR MORE INFORMATION.
- ④ SALVAGED GUARD RAIL, RELATED POSTS, AND HARDWARE ARE TO BE HAULED TO LA 70 ADOT BRITTAIN MAINTENANCE UNIT LOCATED AT 4333 LA HWY 30, GONZALEZ, LA 70373, AS DIRECTED BY THE PROJECT ENGINEER.
- ④ FOR BORING LOCATIONS, ELEVATIONS, AND PILE DATA, SEE FOUNDATION LAYOUT AND PILE DATA SHEET.

Width of Limits of Construction Varies 288' to 320'

### Edge of Pavement Width 206'



TYPICAL ROUNDABOUT FINISHED SECTION FOR LA 70 AND LA 3125

TYPICAL FINISHED SECTION LENGTH: 200'

#### LEGEND

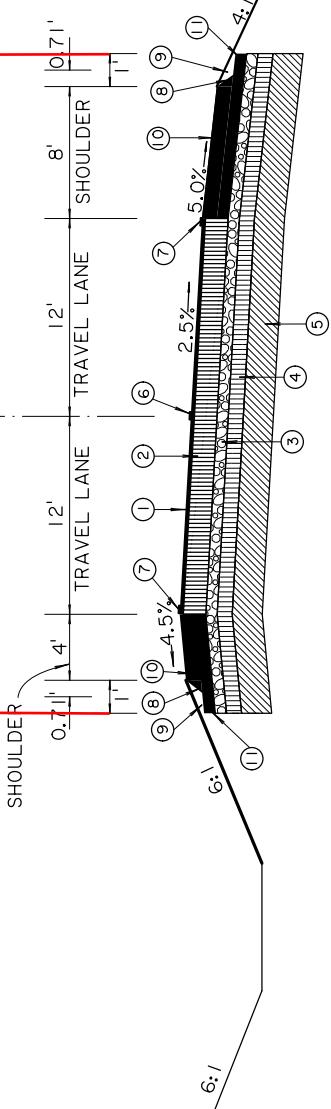
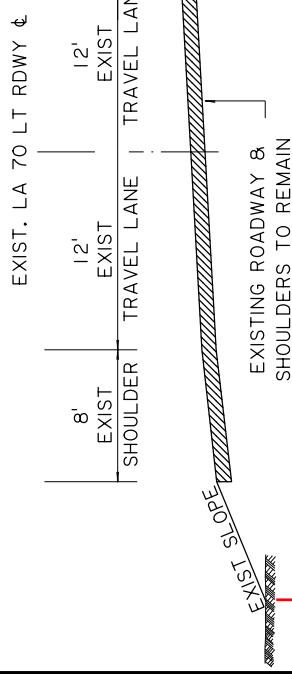
- ① 2.0" STONE MATRIX ASPHALT (SMA)
- ② 8" ASPHALT CONCRETE BINDER COURSE (LEVEL 2)
- ③ 4" ASPHALT CONCRETE BINDER COURSE (LEVEL 2)
- ④ 5.0" ASPHALT CONCRETE BASE COURSE (LEVEL 1)
- ⑤ 12" SUBGRADE LAYER (TREATED)
- ⑥ 9" PORTLAND CEMENT CONCRETE PAVEMENT (COLORED)
- ⑦ 6" CONCRETE BARRIER CURB (INTEGRAL)
- ⑧ 3" CONCRETE MOUNTABLE CURB & GUTTER
- ⑨ PAVEMENT STRIPING
- ⑩ PAVEMENT STRIPING AND REFLECTORIZED MARKERS
- ⑪ EMBANKMENT

PRELIMINARY  
FOR PERMIT  
PURPOSES ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENSURE #: 29644  
DATE: 11/15/21

		SHEET NUMBER
		2
ROUNDABOUT TYPICAL SECTION		
LA 70: SUNSHINE BRIDGE - LA 22		
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION
DESIGNED BY	CHECKED BY	PARISH
		ST. JAMES AND ASCENSION
DETAILED BY	CHECKED BY	SECTION
		426-TONEY
SERIES NUMBER	1 OF 2	STATE
		H. 002424



**Edge of Pavement Width 38'**



**TYPICAL FINISHED SECTION FOR LA 70**

**STATIONS 104+00 TO 362+70  
TYPICAL FINISHED SECTION LENGTH:  
25.530' or 4.8 MILES  
EXCEPTIONS AT ROUNDABOUT [141+46 TO  
143+46] AND BRIDGE [300+40 TO 301+80]**

**LEGEND**

- (1) 2.0" STONE MATRIX ASPHALT (SMA)
- (2) 8.0" ASPHALT CONCRETE BINDER COURSE, LEVEL 2
- (3) 4.0" CLASS II BASE COURSE (STONE OR RECYCLED PCCP)
- (4) 6.0" CLASS II BASE COURSE (SOIL CEMENT)
- (5) 12.0" SUBGRADE LAYER (TREATED)
- (6) PAVEMENT STRIPING & REFLECTORIZED MARKERS
- (7) PAVEMENT STRIPING
- (8) SHOULDER WEDGE
- (9) EMBANKMENT
- (10) 10" ASPHALT CONCRETE
- (11) 4" ASPHALT CONCRETE

**Width of Limits of Construction  
Varies from 58' to 206'**

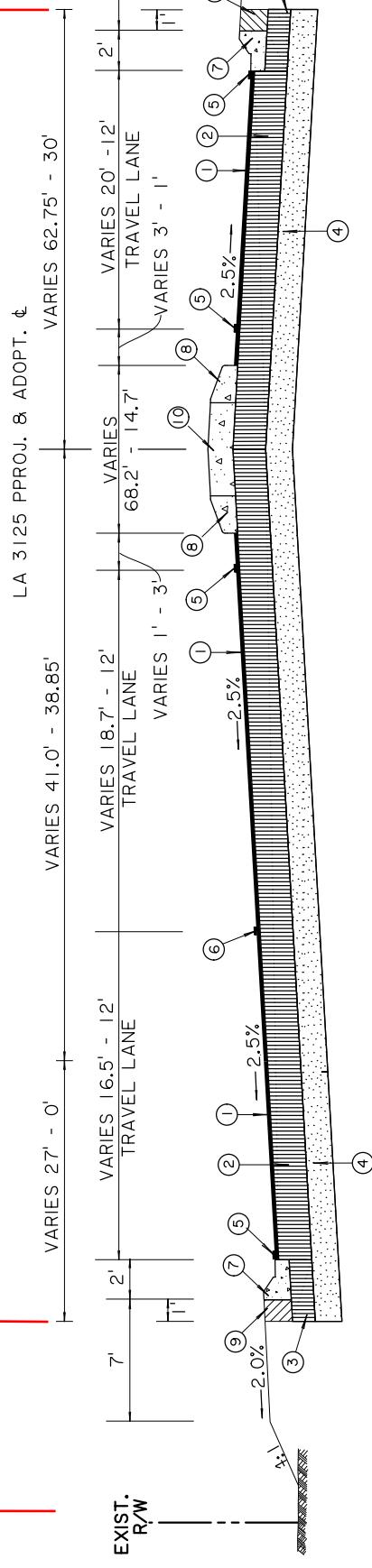
**PRELIMINARY  
FOR PERMIT  
PURPOSES ONLY**  
ENGINEER:  
PATRICK B. TONEY  
LICENCE #:  
29644  
DATE:  
1/15/21

<b>DOTD</b>		ROADWAY TYPICAL SECTION	
LA 70: SUNSHINE BRIDGE - LA 22		NO. DATE	
NO. DATE		REVISION OR CHANGE ORDER DESCRIPTION	
		BY	
DESIGNED BY	CHECKED BY	PARISH	ST. JAMES AND ASCENSION
DETAILED BY	CHECKED BY	CONTROL SECTION	426-02 & 426-03
SERIES NUMBER	2 OF 2	STATE	H-002424

SHEET NUMBER	
3	

## Width of Limits of Construction Varies from 120' to 196'

### Edge of Pavement Varies from 69' to 131'



TYPICAL FINISHED SECTION FOR LA 3125

TYPICAL FINISHED SECTION LENGTH: 430'

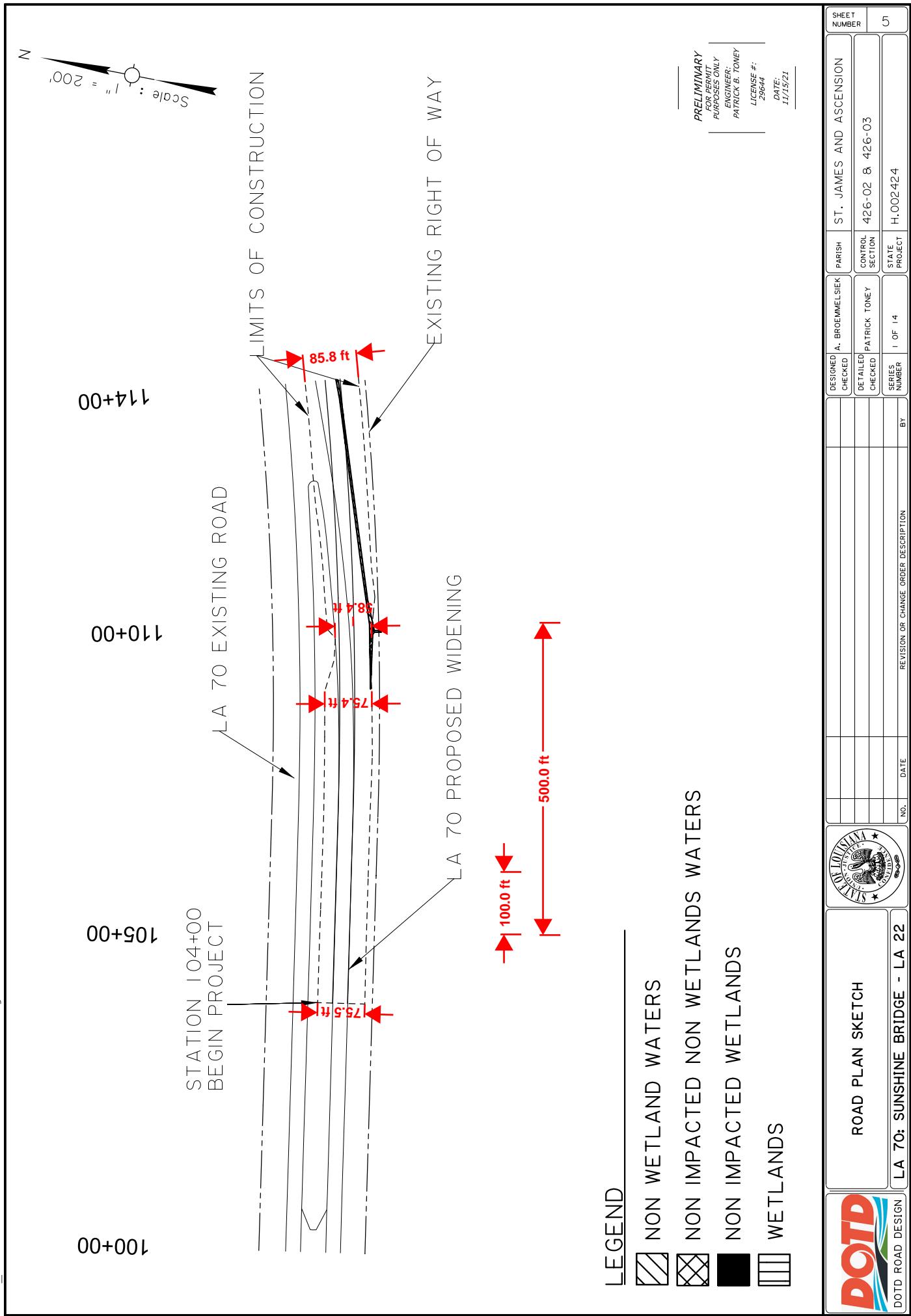
#### LEGEND

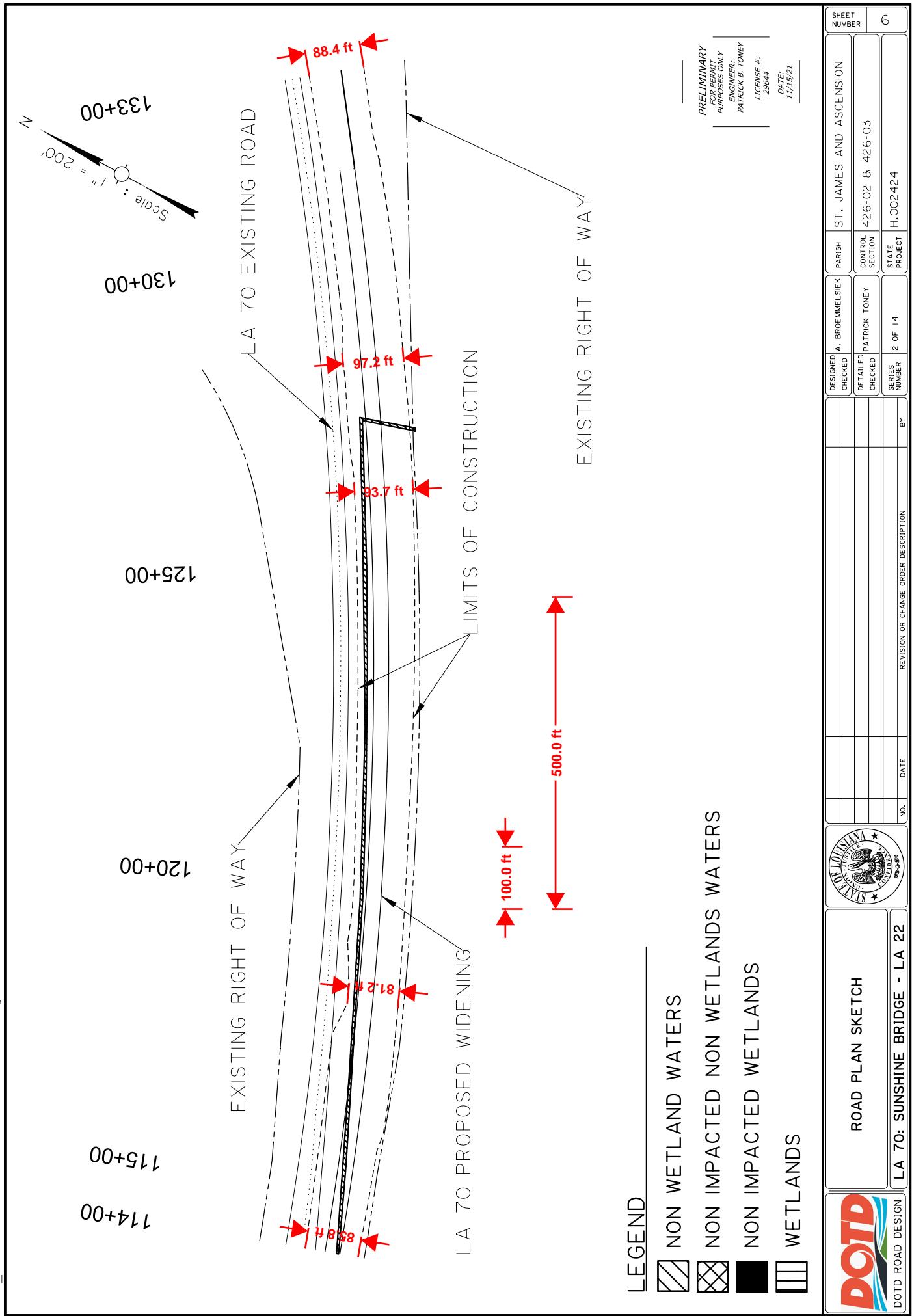
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- ② 8.0" ASPHALT CONCRETE BINDER COURSE, LEVEL 2
- ③ 4.0" ASPHALT CONCRETE BINDER COURSE, LEVEL 2
- ④ 10.0" ASPHALT CONCRETE BASE COURSE (LEVEL 1)
- ⑤ PAEMENT STRIPPING & REFLECTORIZED MARKERS
- ⑥ PAEMENT STRIPPING
- ⑦ 3" MOUNTABLE CURB AND GUTTER
- ⑧ 3" MOUNTABLE CURB (SPLITTER ISLAND)
- ⑨ EMBANKMENT
- ⑩ INCIDENTAL CONCRETE PAVEMENT (SPLITTER ISLAND)

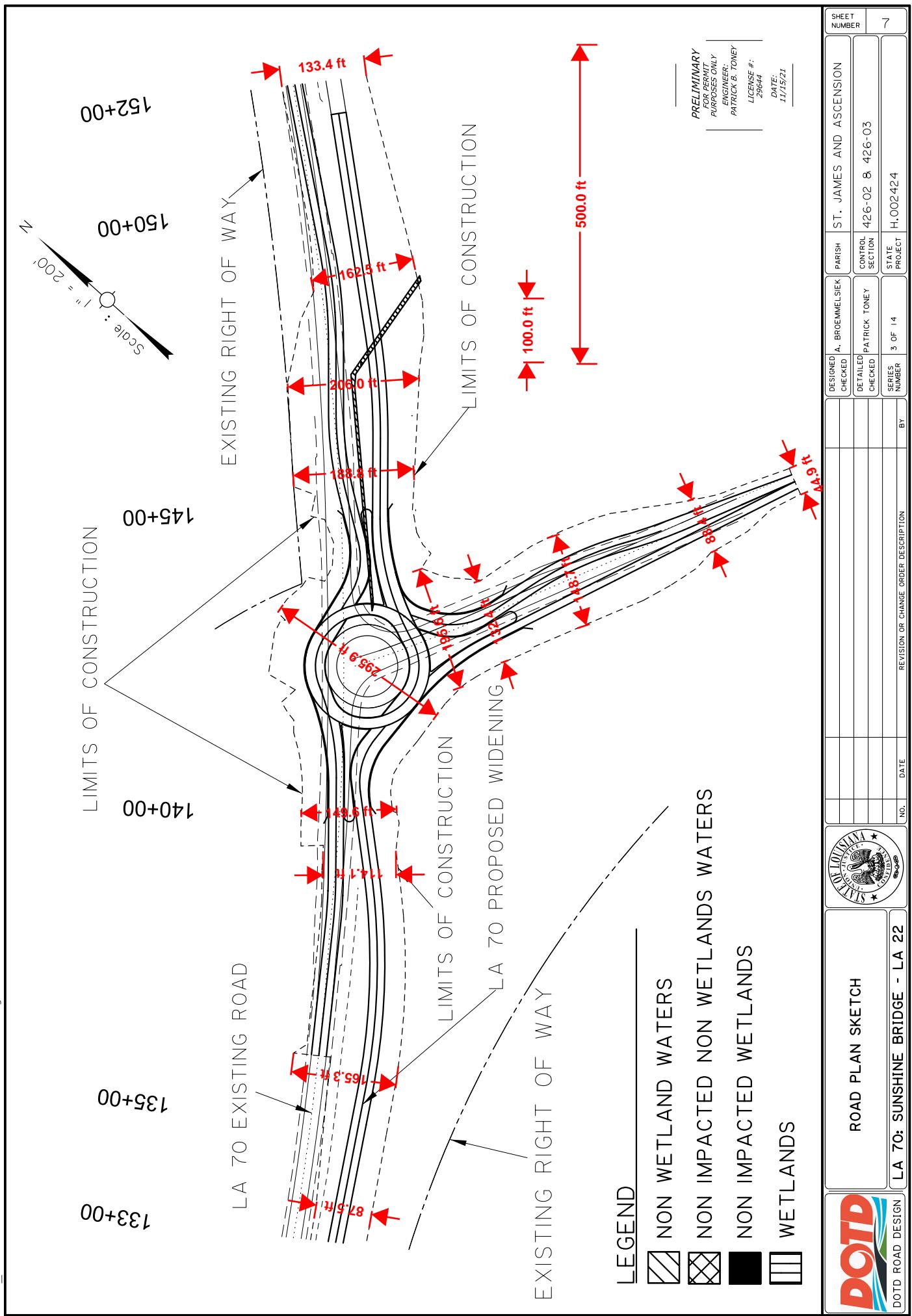
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DOTD ROAD DESIGN	NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION
LA 70: SUNSHINE BRIDGE - LA 22			

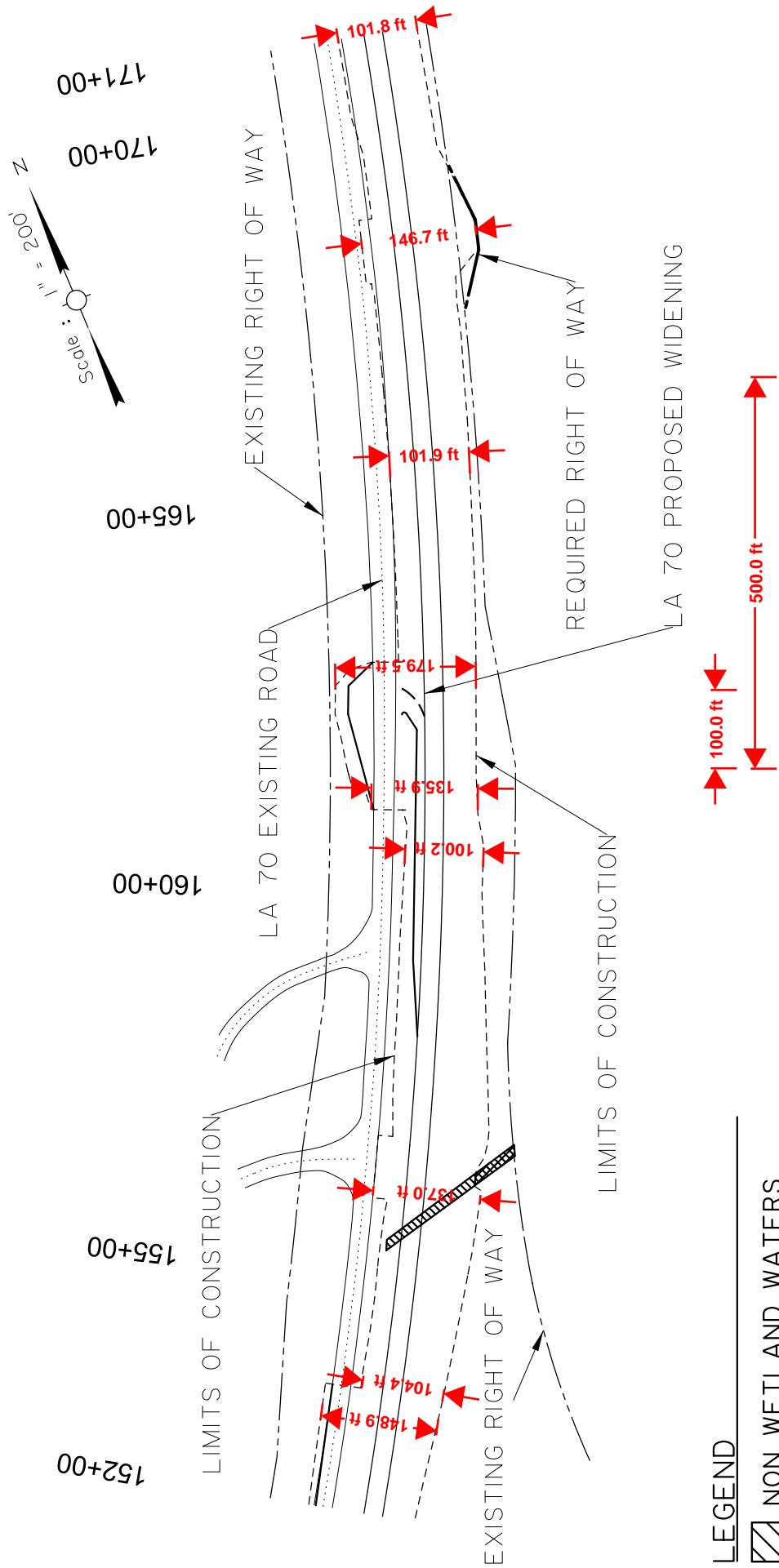
  

DESIGNED BY	A. BROOMELEK	PARISH	ST. JAMES'S, AND ASCENSION
CHECKED BY		CONTROLLED BY	426-02 & 426-03
DETAILED BY	PATRICK TONEY	SECTION	
CHECKED BY		STATE	H-0002424
SERIES NUMBER	3 OF 3	PROJECT	





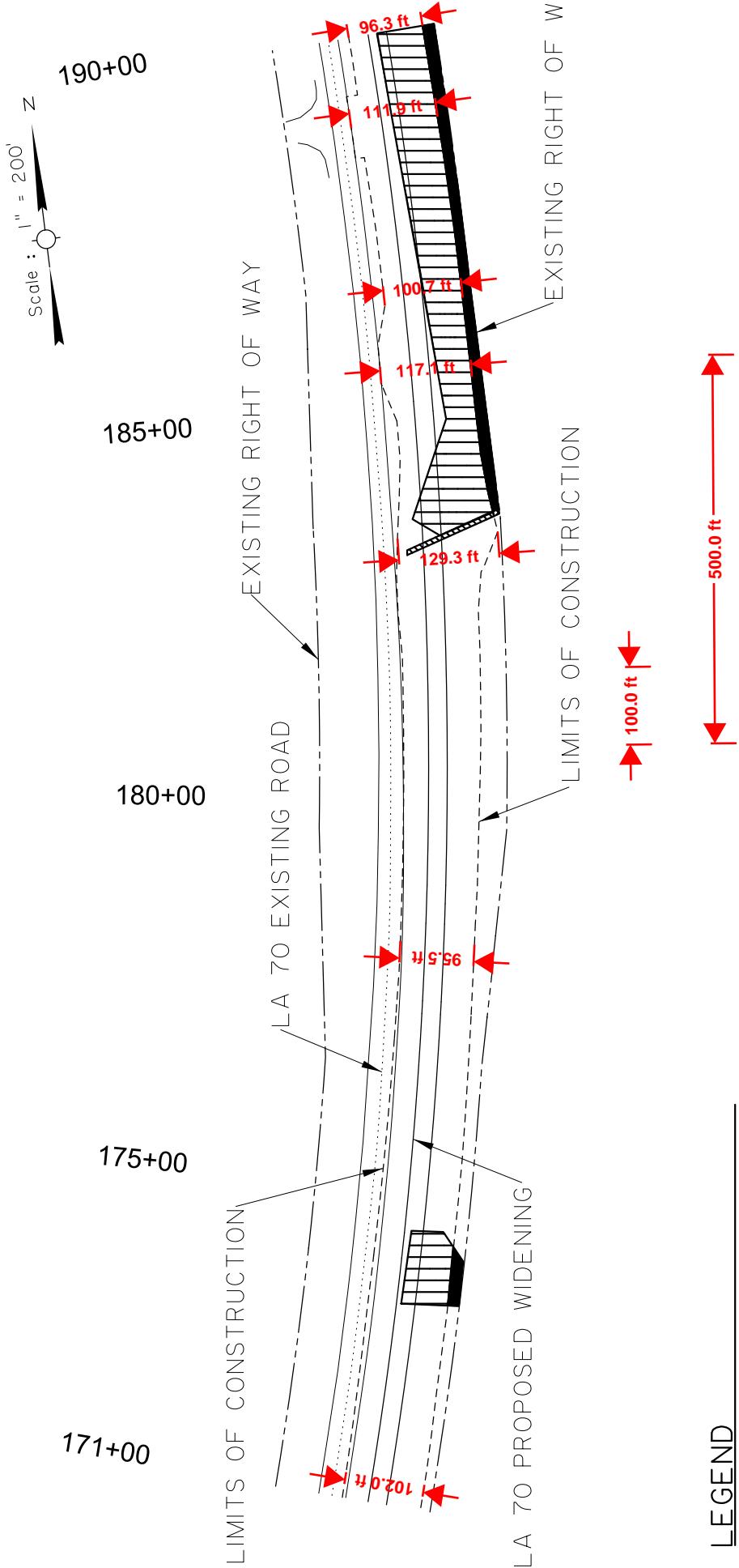




PRELIMINARY  
FOR PERMIT  
PURPOSES ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENSE #: 29644  
DATE: 11/15/21

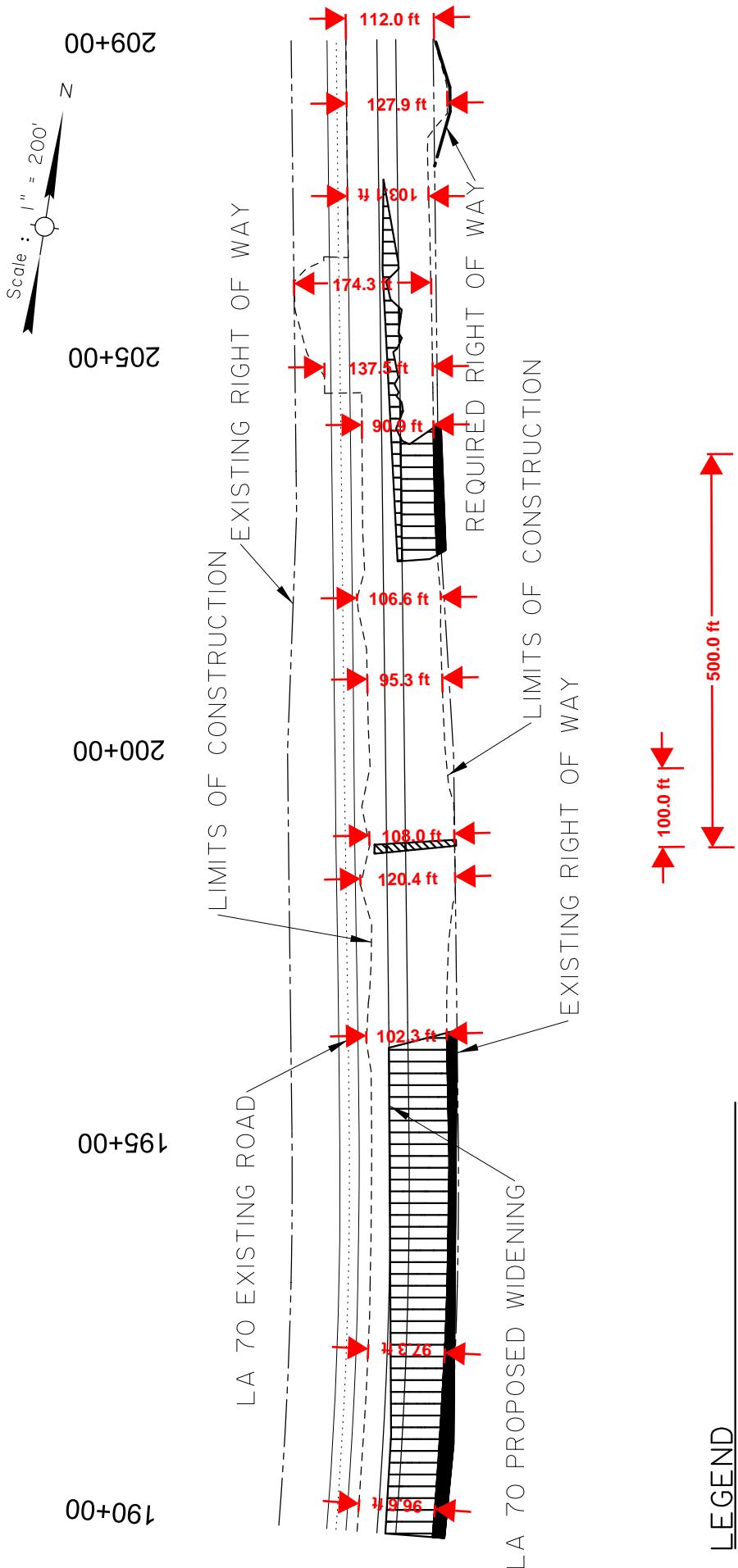
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		DETAILED BY	PATRICK TONEY	STATE	H.002424
		CHECKED BY		PROJECT NUMBER	
LA 70: SUNSHINE BRIDGE - LA 22		REVISION OR CHANGE ORDER DESCRIPTION	4 OF 14		
		NO.	DATE		
<b>DOTD</b> DOTD ROAD DESIGN		SHEET NUMBER			
		1			

STATE OF LOUISIANA



PRELIMINARY  
FOR REVIEW ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENSE #: 29644  
DATE: 11/15/21

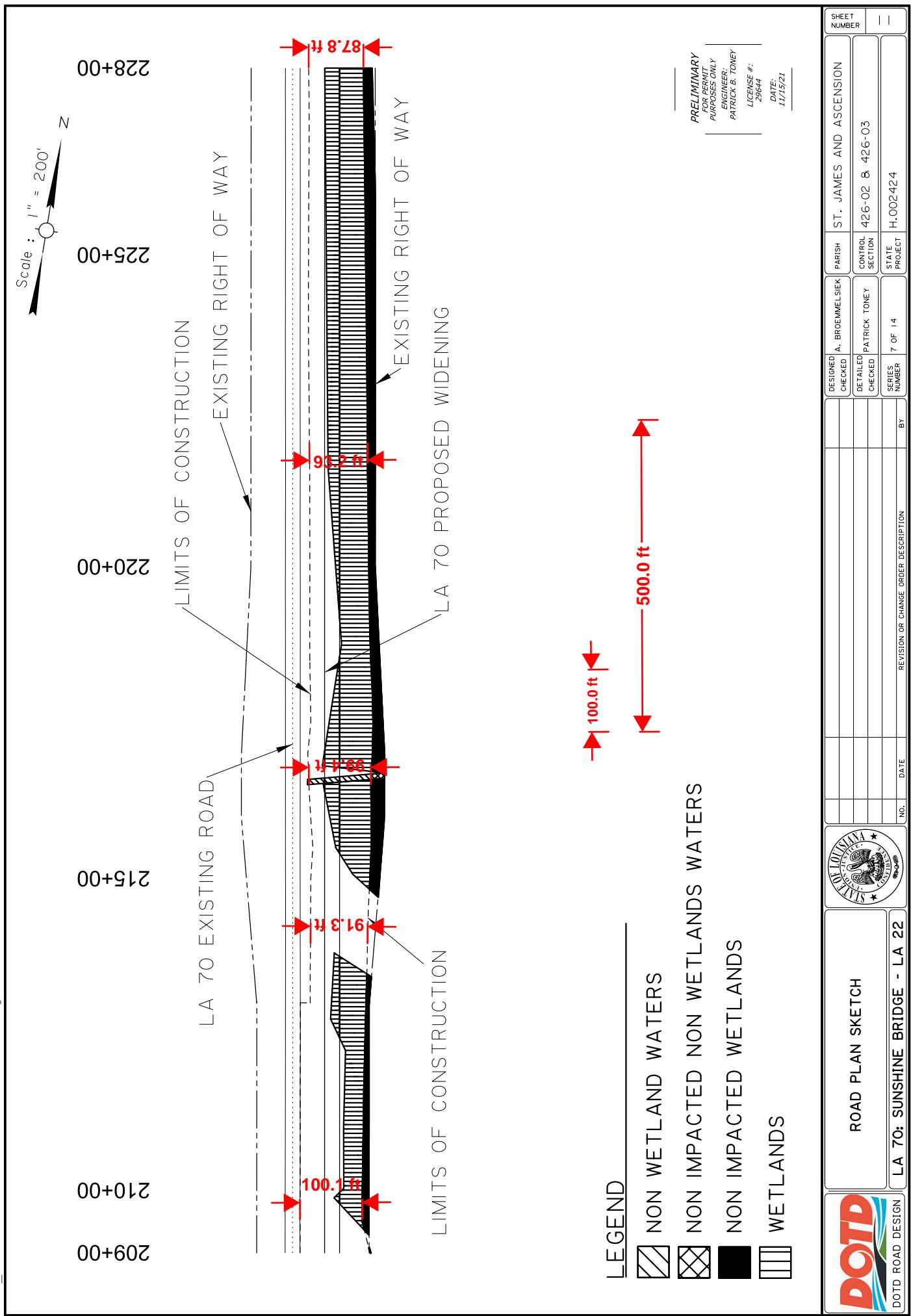
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ST. JAMES AND ASCENSION		PARISH	
456-02 8, 456-03		CONTROL SECTION	
H.002424		STATE PROJECT	
DESIGNED BY	CHECKED BY	DETAILED BY	CHECKED BY
A. BROEMMELSK		PATRICK TONEY	
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	
LA 70: SUNSHINE BRIDGE - LA 22			
DOTD ROAD DESIGN		DOTD	

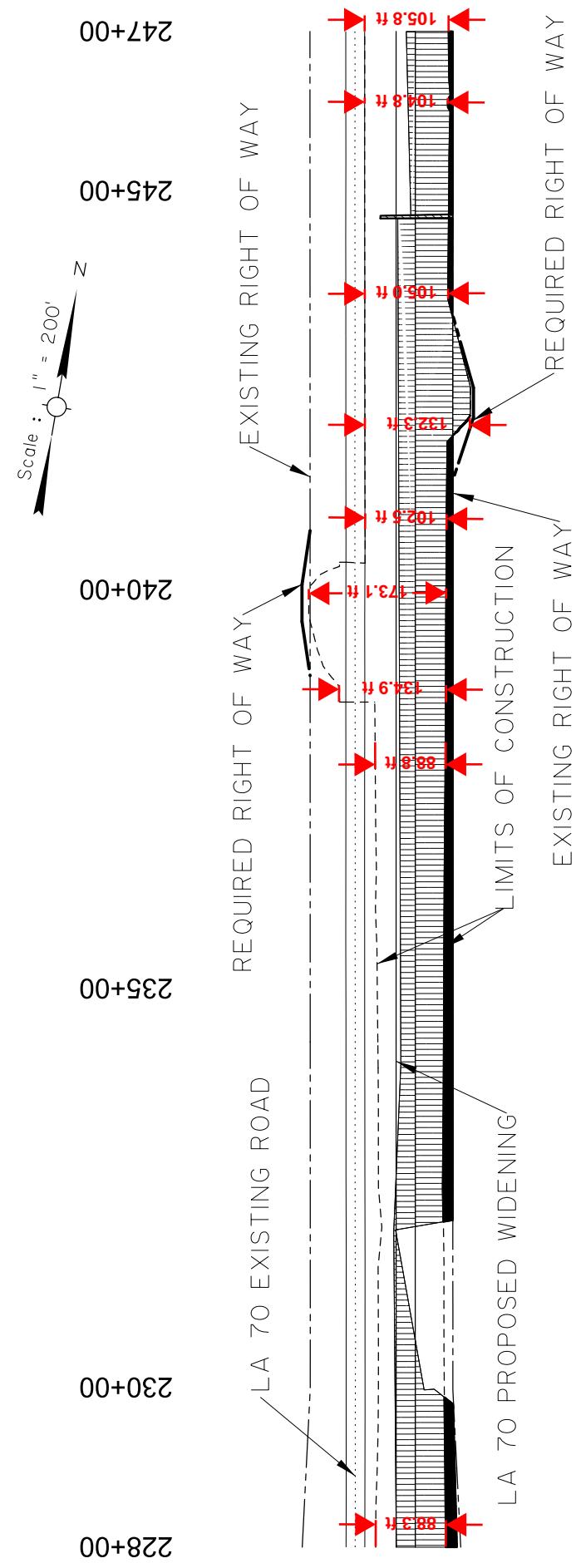


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PURPOSES ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENCE #:  
23644  
DATE:  
11/15/21

ROAD PLAN SKETCH		DESIGNED BY	A. BROEMMELSIK	PARISH	S. T. JAMES, AND ASCENSION
		CHECKED BY		CONTROL SECTION	426-C2 & 426-03
		DETAILED BY	PATRICK TONEY	STATE	H.002424
		CHECKED BY		PROJECT NUMBER	
LA 70: SUNSHINE BRIDGE - LA 22		REVISION OR CHANGE ORDER DESCRIPTION		NO.	DATE
<b>DOTD</b> DOTD ROAD DESIGN					

ST. LUCIA PARISH  
CONVENTIONAL



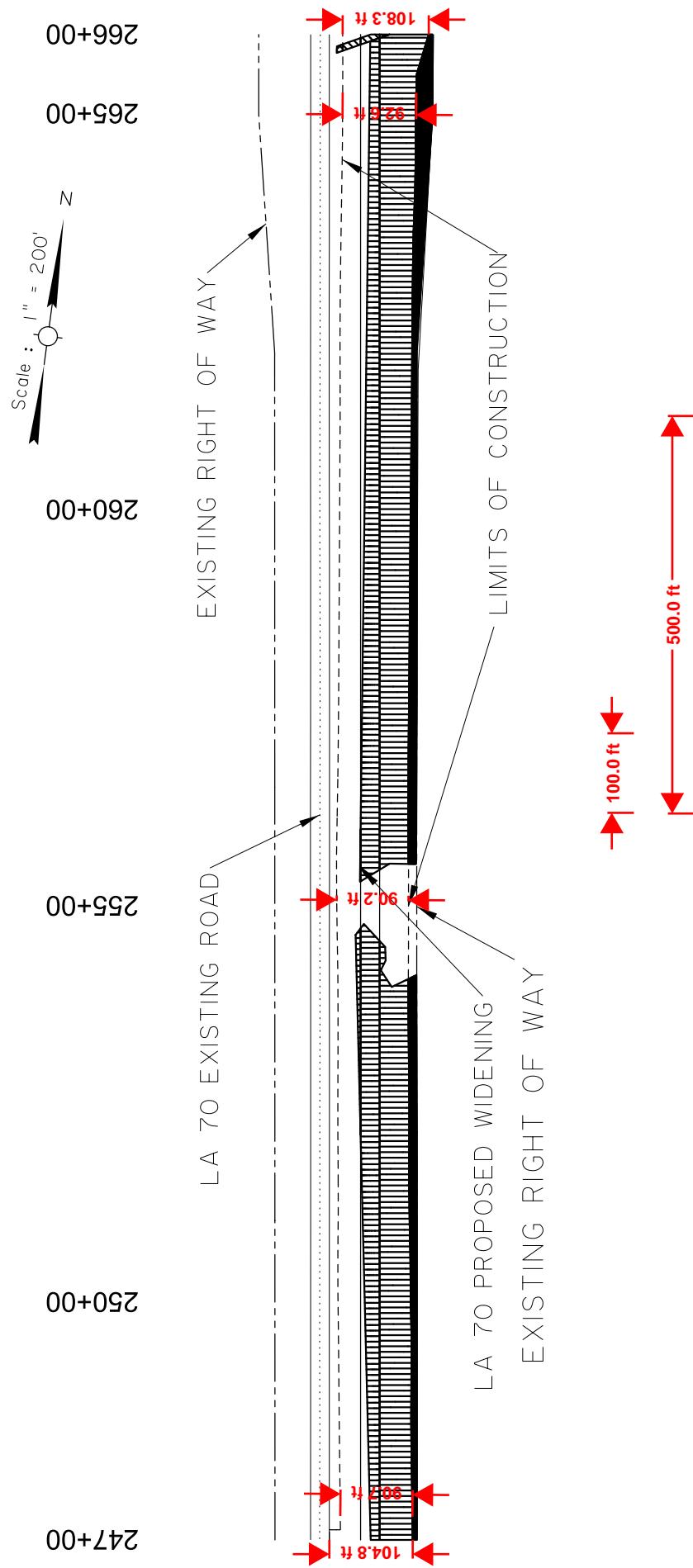


LEGEND

- NON WETLAND WATERS
- NON IMPACTED NON WETLANDS WATERS
- NON IMPACTED WETLANDS
- WETLANDS

PRELIMINARY  
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PURPOSES ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENSE #: 29644  
DATE: 11/15/21

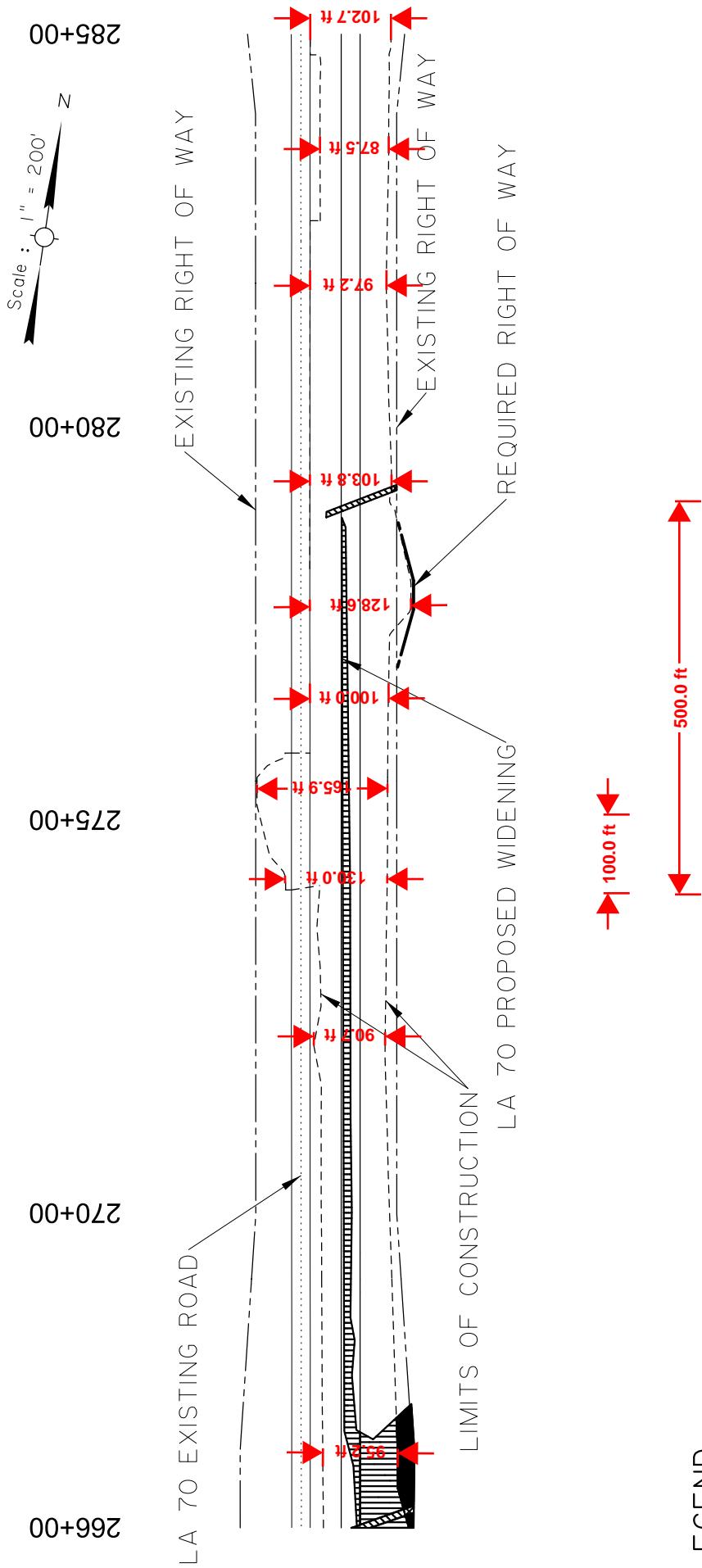
SHEET NUMBER		I 2	
<p>ST. JAMES AND ASCENSION</p> <p>PARISH: ST. JAMES AND ASCENSION</p> <p>CONTROL SECTION: 426-02 &amp; 426-03</p> <p>STATE: H.002424</p>			
DESIGNED BY	CHECKED BY	DETAILED BY	CHECKED BY
A. BROEMEL SIEK		PATRICK TONEY	
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	
LA 70: SUNSHINE BRIDGE - LA 22			
<p>ROAD PLAN SKETCH</p>		<p>DOTD ROAD DESIGN</p>	

LEGEND

- NON WETLAND WATERS
- NON IMPACTED NON WETLANDS WATERS
- NON IMPACTED WETLANDS
- WETLANDS



ROAD PLAN SKETCH		LA 70: SUNSHINE BRIDGE - LA 22		NO. DATE REVISION OR CHANGE ORDER DESCRIPTION BY		PROJECT NUMBER		STATE		SECTION		PARISH		ST. JAMES AND ASCENSION	
DESIGNED	A. BROEMMELSK	DETAILED	PATRICK TONEY	CONTROL	4226-02	8	4226-03	LICENSE #:	29644	DATE:	11/15/21	BY	9 OF 14	SHEET NUMBER	13



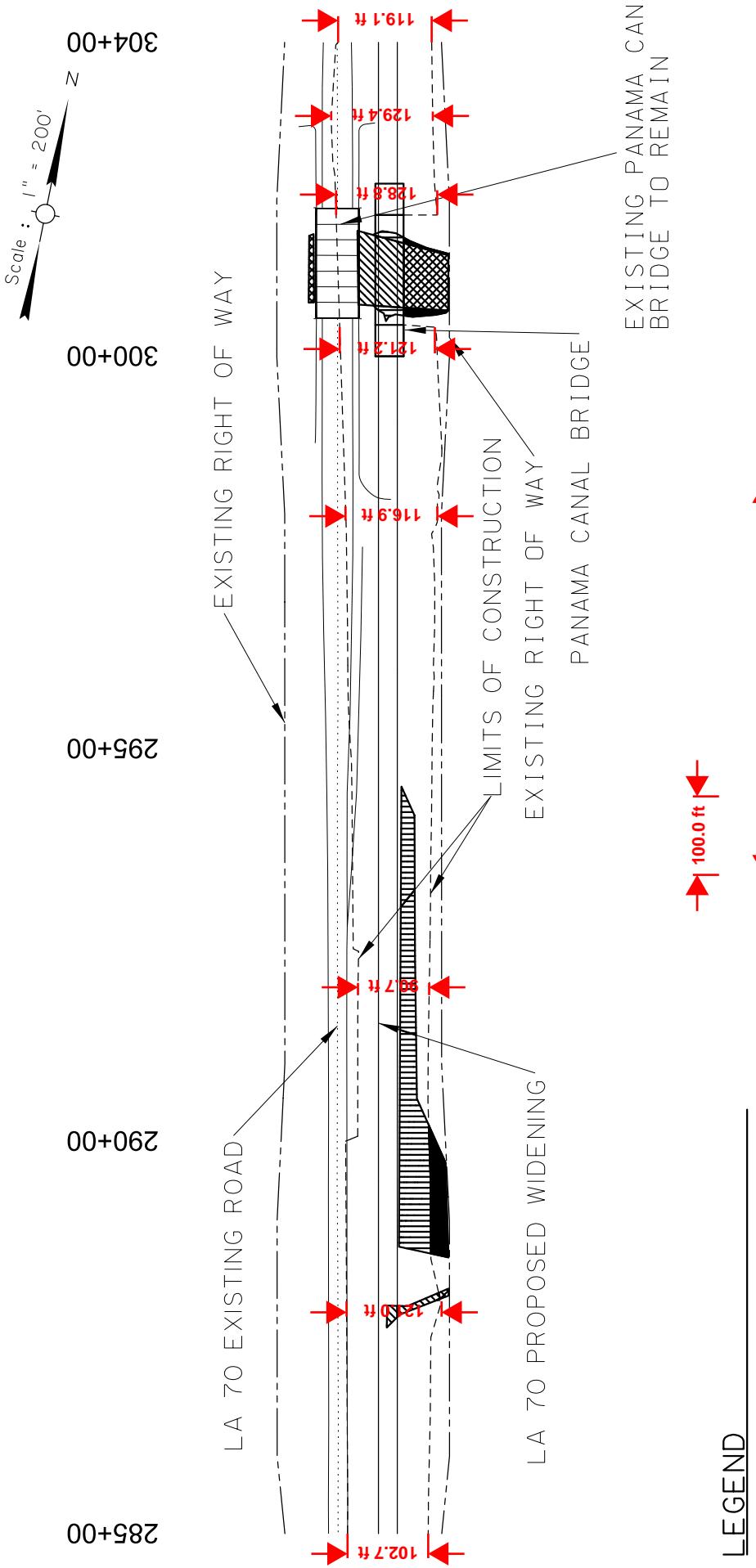
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ENGINEER:  
PATRICK B. TONEY  
LICENSE #: 29644  
DATE: 11/15/21

<b>ROAD PLAN SKETCH</b>		DESIGNED BY	A. BROEMELICK	PARISH	S. T. JAMES AND ASCENSION
		CHECKED BY		CONTROL SECTION	426-C2 & 426-03
		DETAILED BY	PATRICK TONEY	STATE	H.002424
		CHECKED BY		PROJECT	
<b>LA 70: SUNSHINE BRIDGE - LA 22</b>		REVISION OR CHANGE ORDER DESCRIPTION		NUMBER	
NO.	DATE	BY			

**DOTD**  
DOTD ROAD DESIGN

ROAD PLAN SKETCH		DESIGNED BY	A. BROEMELICK	PARISH	S. T. JAMES AND ASCENSION
		CHECKED BY		CONTROL SECTION	426-C2 & 426-03
		DETAILED BY	PATRICK TONEY	STATE	H.002424
		CHECKED BY		PROJECT	
<b>LA 70: SUNSHINE BRIDGE - LA 22</b>		REVISION OR CHANGE ORDER DESCRIPTION		NUMBER	
NO.	DATE	BY			

SHEET NUMBER  
1-4

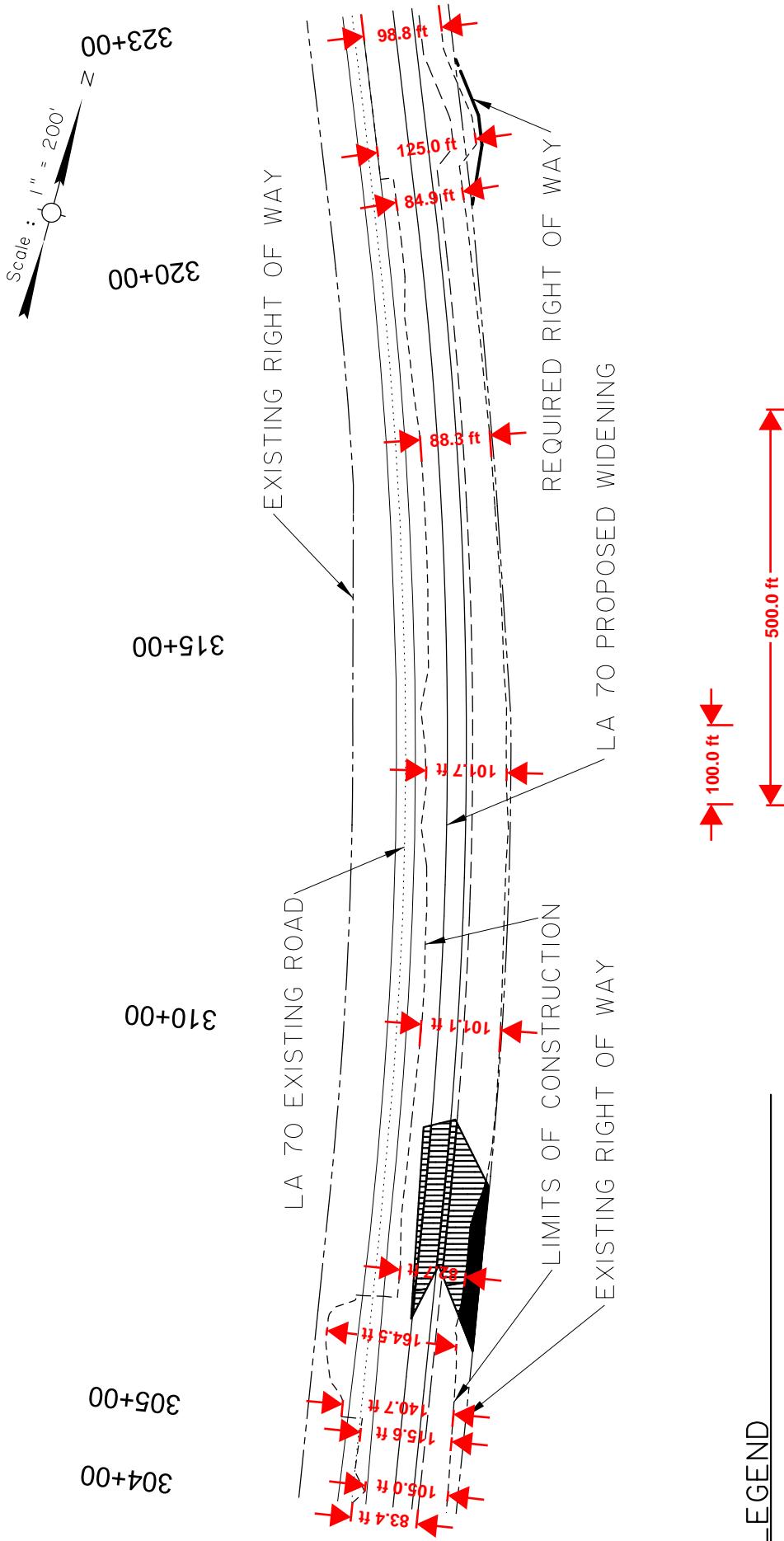
LEGEND

- NON WETLAND WATERS
- NON IMPACTED NON WETLANDS WATERS
- NON IMPACTED WETLANDS
- WETLANDS



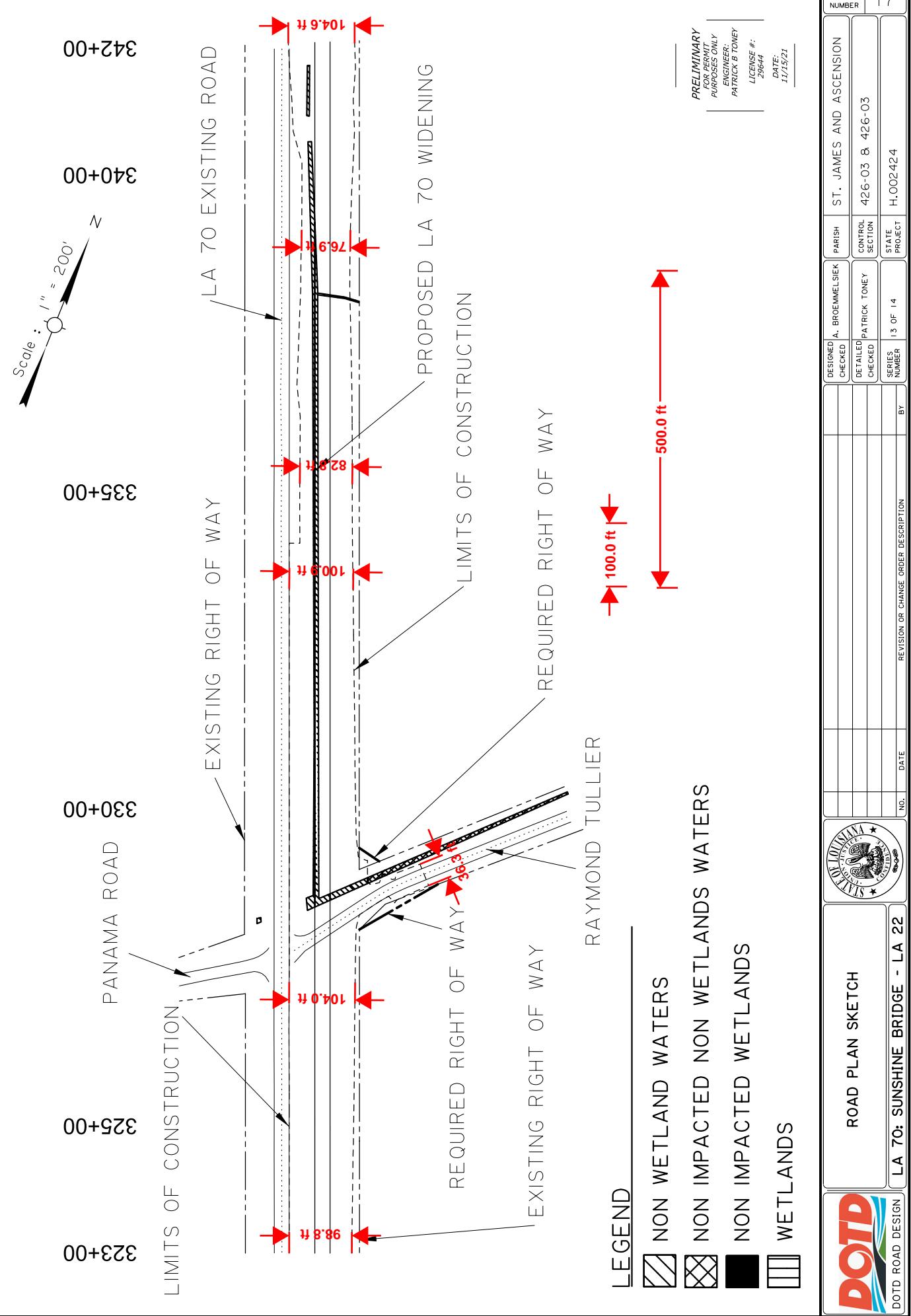
ROAD PLAN SKETCH		DESIGNED BY	CHECKED BY	PARISH	ST. JAMES AND ASCENSION
LA 70: SUNSHINE BRIDGE - LA 22	NO. DATE	REVISED OR CHANGE ORDER DESCRIPTION	BY	CONTROL SECTION	426-03 & 426-03
				STATE PROJECT	H.002424
				SERIES NUMBER	11 OF 14
				DATE	11/15/21

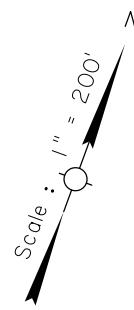
SHEET NUMBER		PRELIMINARY FOR REVIEW ONLY	ENGINEER: PATRICK B. TONEY	LICENSE #: 29644	DATE: 11/15/21



PRELIMINARY  
FOR REVIEW ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENSE #: 29644  
DATE:  
11/15/21

ROAD PLAN SKETCH		DESIGNED BY	A. BROEMELICK	PARISH	S. T. JAMES AND ASCENSION
LA 70: SUNSHINE BRIDGE - LA 22		CHECKED BY		CONTROL SECTION	426-C2 & 426-03
		DETAILED BY	PATRICK TONEY	STATE	H.002424
		CHECKED BY		PROJECT NUMBER	
		REVISION OR CHANGE ORDER DESCRIPTION		BY	
		NO.		DATE	
<b>DOTD</b> DOTD ROAD DESIGN		ST. LOUIS COUNTY, MISSOURI			





362+70

360+00

355+00

350+00

345+00

342+00

LA 70 EXISTING ROAD

EXISTING RIGHT OF WAY

LA 70 PROPOSED WIDENING

103.8 ft
133.9 ft
170.0 ft
87.5 ft
99.7 ft
72.8 ft
84.1 ft
69.9 ft

LIMITS OF CONSTRUCTION

EXISTING RIGHT OF WAY

STATION 362+70  
END OF PROJECT

100.0 ft ← → 500.0 ft

## LEGEND

- NON WETLAND WATERS
- NON IMPACTED NON WETLANDS WATERS
- NON IMPACTED WETLANDS
- WETLANDS



ROAD PLAN SKETCH	
LA 70: SUNSHINE BRIDGE - LA 22	
NO.	DATE
REVISION OR CHANGE ORDER DESCRIPTION	

DESIGNED BY		CHECKED BY		PARISH		ST. JAMES AND ASCENSION	
A. BROEMMELICK		P. TONEY		426-C02 8, 426-03			
DETAINED		CHECKED		SECTION			
PATRICK TONEY							
SERIES		NUMBER		STATE		PROJECT	
I 4 OF 14		H.002424					

PRELIMINARY  
FOR PERMIT  
PURPOSES ONLY  
ENGINEER:  
PATRICK B. TONEY  
LICENSE #: 28644  
DATE: 11/15/21

SHEET  
NUMBER  
8

**GENERAL PLAN**

**HYDRAULIC DATA**

PREDICTED SCOUR	
DRAINAGE AREA (MI <sup>2</sup> ):	FLOOD FREQUENCY (YEARS)
BASIN SLOPE (FT/MIN):	DISCHARGE (FT <sup>3</sup> /S) *
FLood FREQUENCY (YEARS)	DESIGN YEAR (50)
DISCHARGE (FT <sup>3</sup> /S) *	CONTRACTION SCOUR 1.0
D.W.S. ELEV. (FT) AND BB:	MAX. PIER SCOUR 4.0
AVERAGE VELOCITY (FT/S) *	DEPTH (FT) 7.00
AREA OF OPENING (FT <sup>2</sup> ) 1040	ABUTMENT SCOUR 4
BACKWATER (FT) N/A	BRIDGE SCOUR 7.00
ELEV. (FT) AND BB: 8.5	FINISH GRADE = 140'-0"

\* THE DRAINAGE AREA, PEAK DISCHARGES, AND VELOCITIES ARE INDETERMINATE BECAUSE PANAMA CANAL IS INTERCONNECTED WITH BAYOU CONWAY.

\* THE WATER SURFACE ELEVATIONS ARE OBTAINED FROM FEMA FLOOD INSURANCE STUDY FOR ASCENSION PARISH, LOUISIANA, EFFECTIVE, AUGUST 16, 2007.

△ THE ABUTMENT SLOPE SHOULD BE 3:1, AND FLEXIBLE REVETMENT IS RECOMMENDED.

**GUARD RAIL DESIGN CRITERIA**

Hwy Class	Design Speed (MPH)	Guard Rail Layout Requirements (ft)
RC-3	60	27'-400
Bridge Side	LH L2 A/B X Y Z	
④	(A) 300 30 4 26:1 3:1:25 16.88	
④	(B) 300 30 8 1:4:1 1:3:75 15.63	
④	(C) 300 30 6 26:1 1:8.75 1:1.3 25.32	
④	(D) 300 30 5 0 67.5@ 5.00 10.00	
Bridge	MAX. PILE CUT-OFF ELEV.	
	MAX. PILE	
	2.5% SLOPE	
	36'-0" CLEAR ROADWAY	
	1'-3" e BARRIER	
	38'-6" P.G.L.	

④ CALCULATED USING ED3 1.3.1.3 DUE TO SPACE CONSTRAINT.  
④ MEASURED FROM EDGE OF TURN LANE ON LA 70 SB BRIDGE.  
④ NOT CALCULATED. MAXIMUM ALLOWED DUE TO SPACE CONSTRAINT.

**TYPICAL SECTION** (INTERMEDIATE BENT)

**ELEVATION**

**NOTES:**

- DATE OF CONSTRUCTION REQUIRED AT BEGINNING OF BRIDGE. SEE SPECIAL DETAIL YP-Q.
- FOR ADDITIONAL GUARD RAIL INFORMATION, SEE STANDARD PLANS FOR HIGHWAY GUARD RAIL.
- FILL SHALL BE IN PLACE AND REQUIRED EXCAVATION SHALL BE COMPLETED PRIOR TO DRIVING AFFECTED PILES.
- FLEXIBLE REVETMENT NOT DRAWN TO SCALE.
- ④ SLOTTED BARRIER RAILING TO BE USED ON LOW SIDE OF BRIDGE ONLY. SEE SPAN DETAILS AND BARRIER SPECIAL DETAILS FOR MORE INFORMATION.
- ④ SALVAGED GUARD RAIL, RELATED POSTS, AND HARDWARE ARE TO BE HAULED TO LODGE BRITANNIA MAINTENANCE UNIT LOCATED AT 4333 LA HWY 30, GONZALEZ, LA 70373, AS DIRECTED BY THE PROJECT ENGINEER.
- ④ FOR BORING LOCATIONS, ELEVATIONS, AND PILE DATA, SEE FOUNDATION LAYOUT AND PILE DATA SHEET.