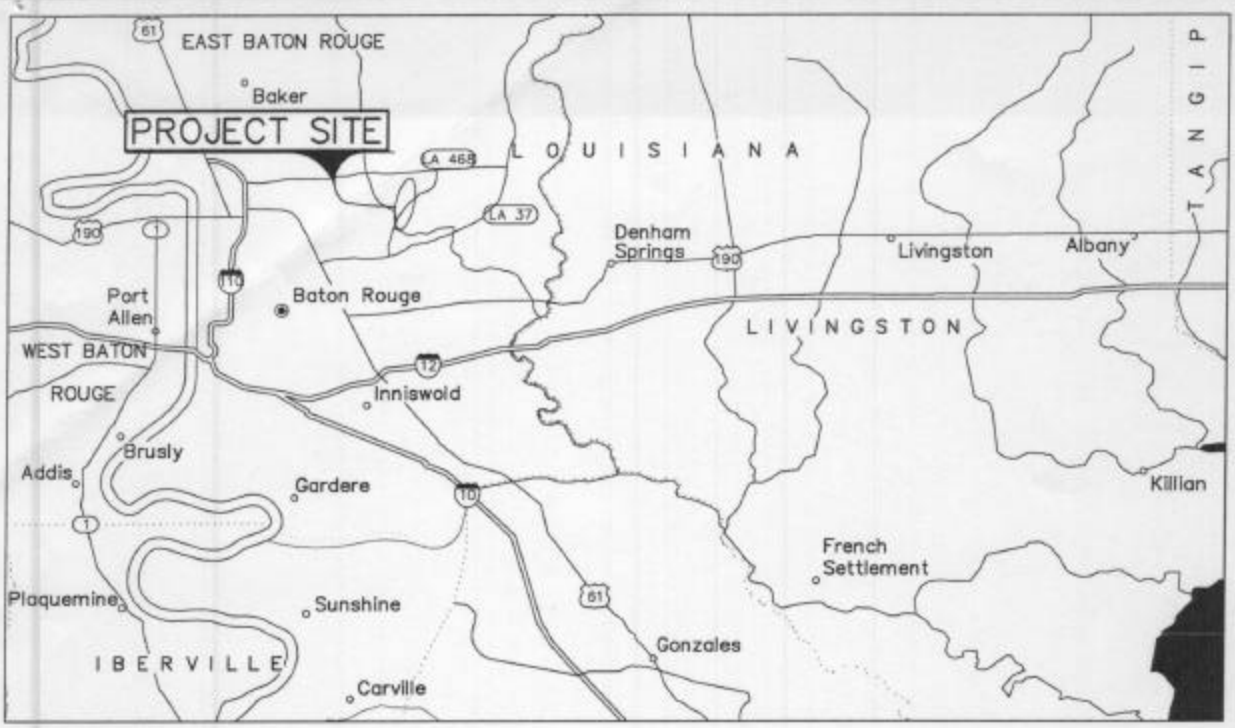
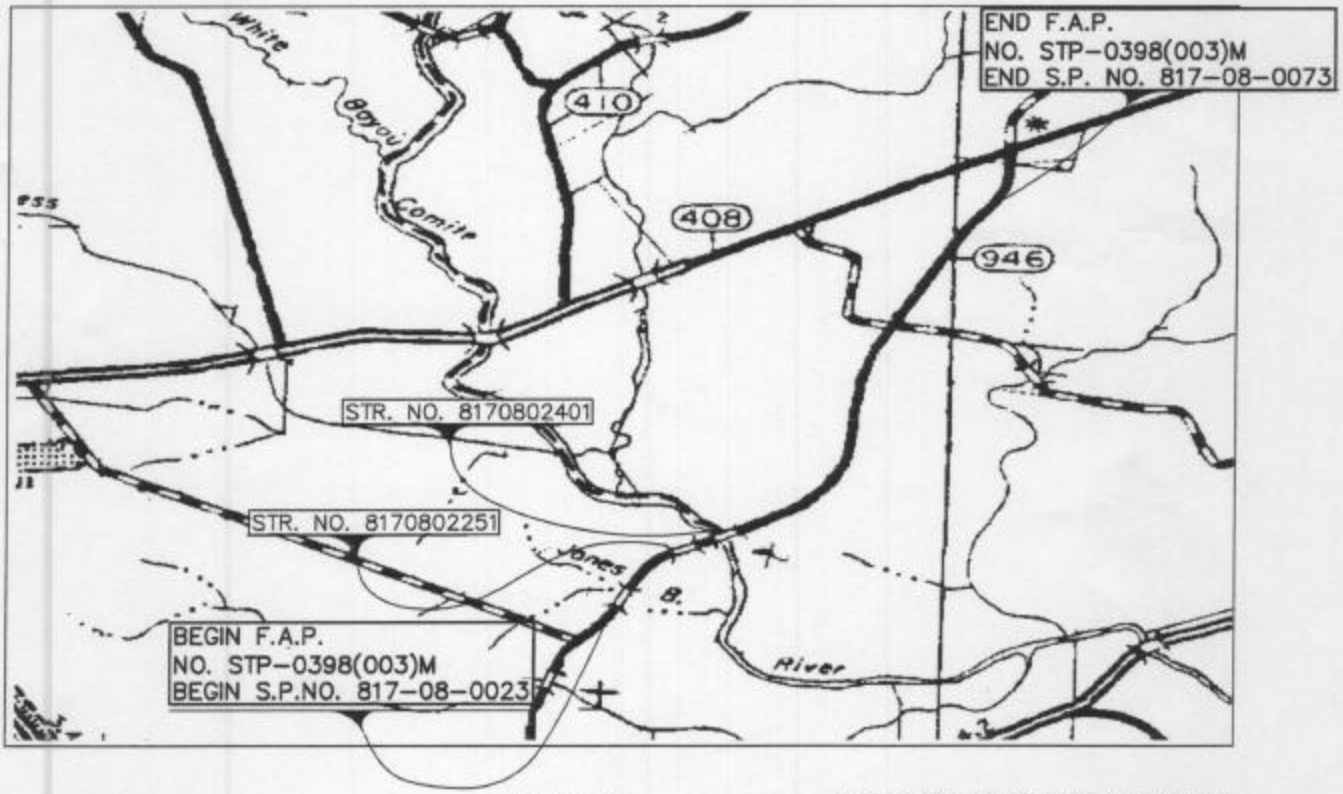




NEW BRIDGE LOCATED AT RIVER MILE

LAYOUT MAP
SCALE: 1 INCH = 2 MI.
1 MI. 0 1 MI. 2 MI.

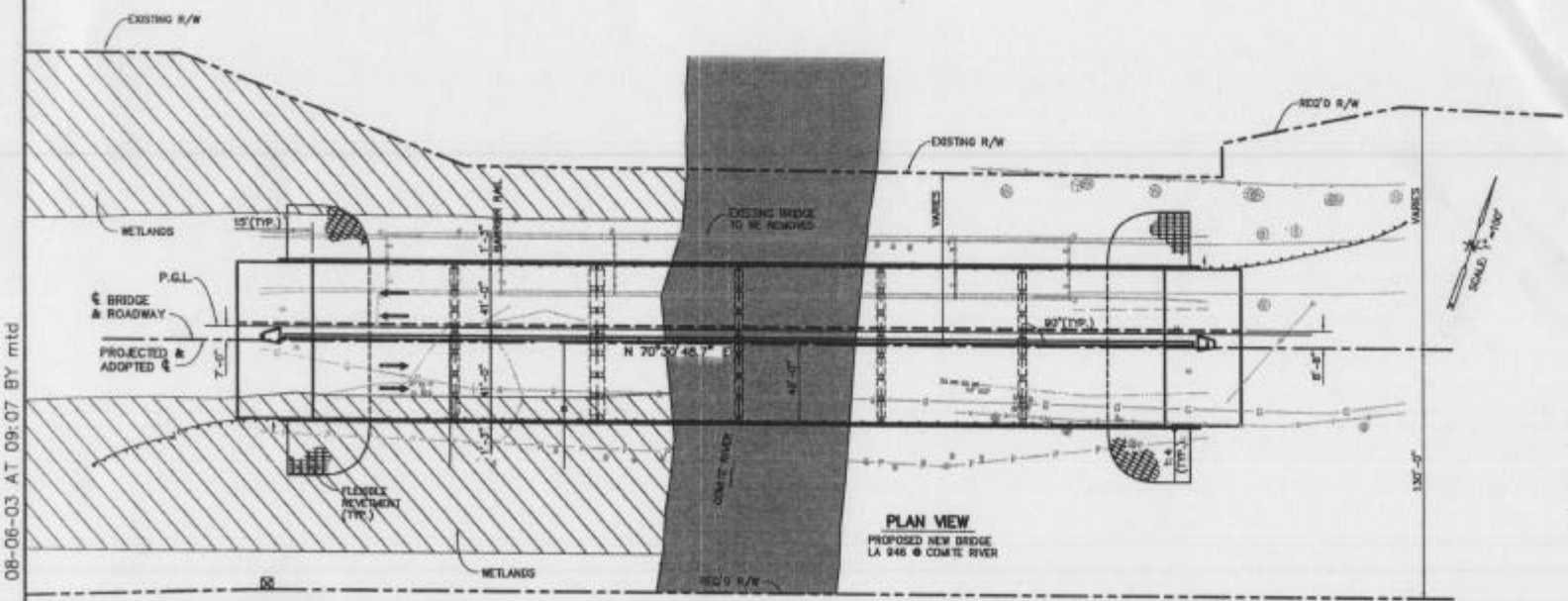
EAST BATON ROUGE PARISH, LOUISIANA
SECTIONS 13,24,45,46,69,81,82,83,84, 98,99,100 T6S-R1E
SECTION 70 T6S-R2E

F.A.P. NO. STP-0398(003)M
STATE PROJECT NO. 817-08-0023
JONES BAYOU - HOOPER ROAD
EAST BATON ROUGE PARISH
ROUTE LA 946

DATE: 8/5/03 REVISED: 11/7/03

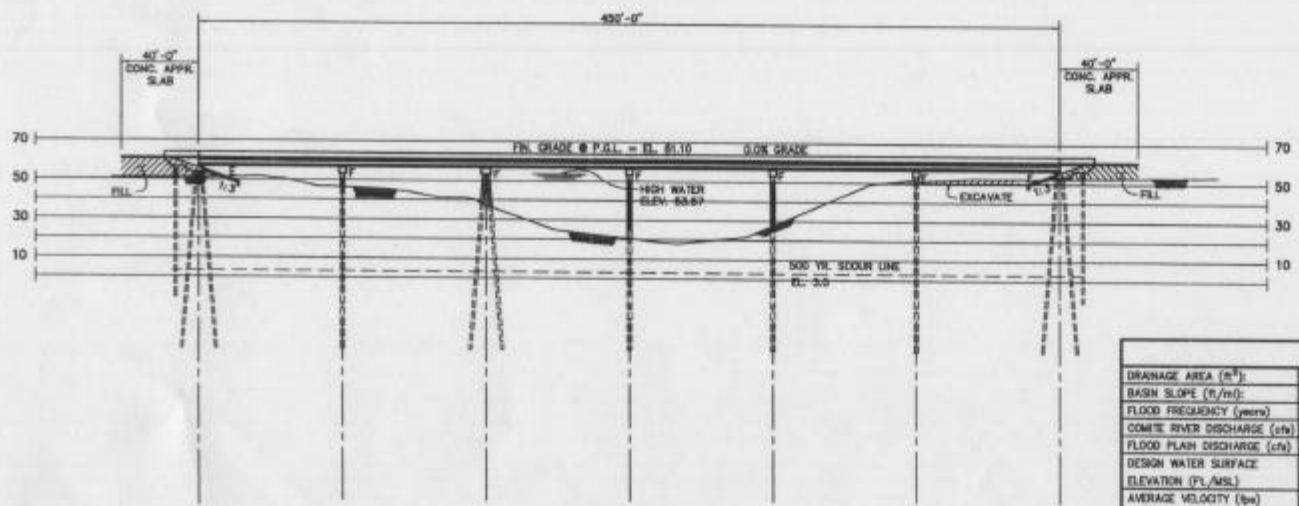
STATE OF LOUISIANA
DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT
BATON ROUGE, LA

SHEET 1 OF 5



PLAN VIEW
PROPOSED NEW BRIDGE
LA 946 @ COMITE RIVER

WATERS OF U.S.
WETLANDS



PROFILE VIEW

DRAINAGE EXCAVATION = 750 C.Y.
EMBANKMENT = 4260 C.Y.
FLEXIBLE REVETMENT = 1050 S.Y.

HYDRAULIC DATA					
DRAINAGE AREA (ft²):	7956495360			PREDICTED SCOUR	
BASIN SLOPE (ft/mi):	5.2				
FLOOD FREQUENCY (years)	50	100	Overtopping	Flood frequency (years)	500
COMITE RIVER DISCHARGE (cfs)	31330	35359	>500 yr.	Comite River Discharge (cfs)	43569
FLOOD PLAIN DISCHARGE (cfs)	36100	41300	>500 yr.	Flood Drain Discharge (cfs)	53600
DESIGN WATER SURFACE ELEVATION (FL/MSL)	52.80	53.81	>500 yr.	Contraction Scour Depth (ft)	5.8
AVERAGE VELOCITY (fps)	4.85	5.13	>500 yr.	Maximum Pier Scour Depth (ft)	9.1
AREA OF OPENING (sq.ft.)	6456	6898	>500 yr.	Abutment Scour Depth (ft)	n/a
BACKWATER (ft.)	0.11	0.15		Bridge Scour Elevation (ft)	3.0

BRIDGE NAME & STR. NO. COMITE RIVER BRIDGE (8170802401)

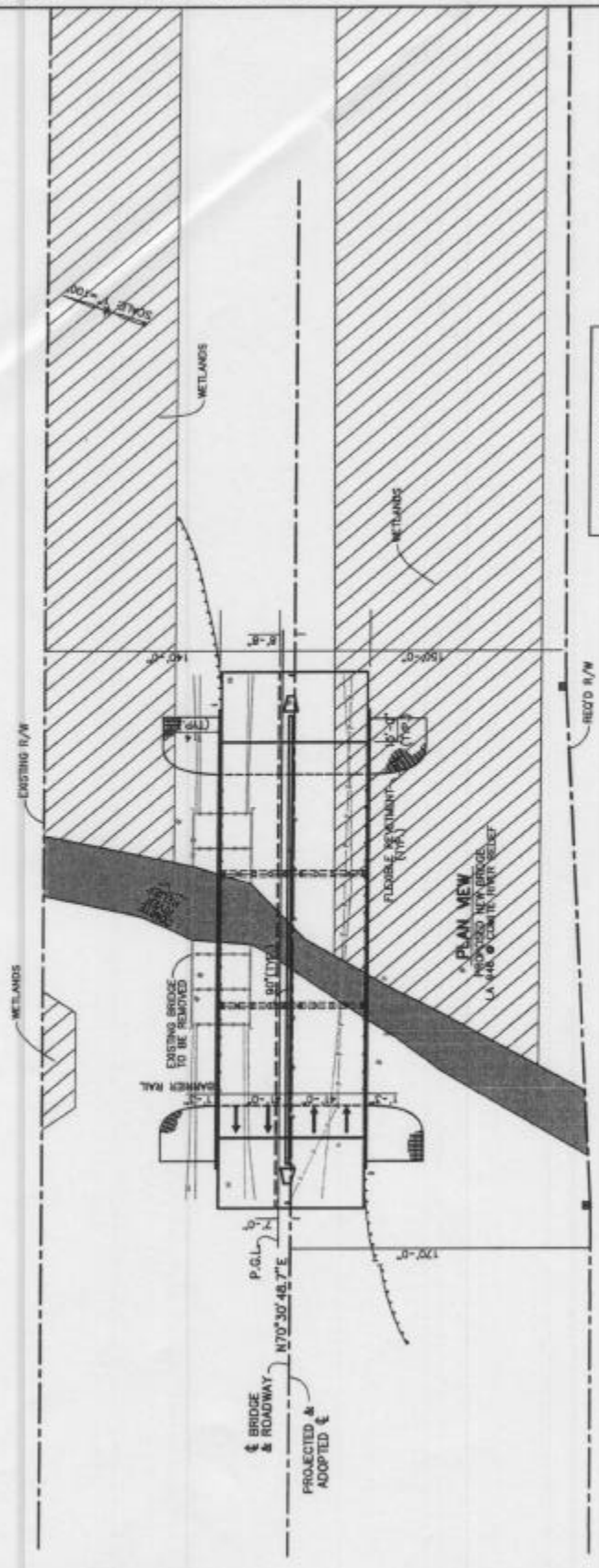
PARISH: EAST BATON ROUGE ROUTE: LA. 946

DATE 8/5/03
REVD 11/7/03

SHEET NO. 2

F:\ACAD\Q1240-BR\COMITE RIVER BRIDGE\COE-GEN PLAN & ELEV.DWG 08-06-03 AT 09:07 BY mtd

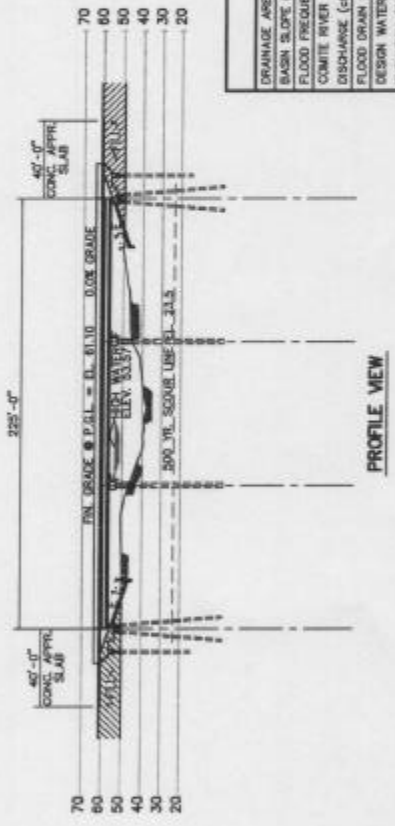
BRIDGE NAME & STR. NO.	COMITE RIVER RELIEF BRIDGE (8170802251)	DATE	SHEET NO.
PARISH:	EAST BATON ROUGE ROUTE: LA. 946	8/5/03 REVD 11/7/03	3



DRAINAGE EXCAVATION = 0 C.Y.	
EMBANKMENT = 5,350 C.Y.	
FLEXIBLE REVETMENT = 1,225 S.Y.	

WATERS OF U.S.

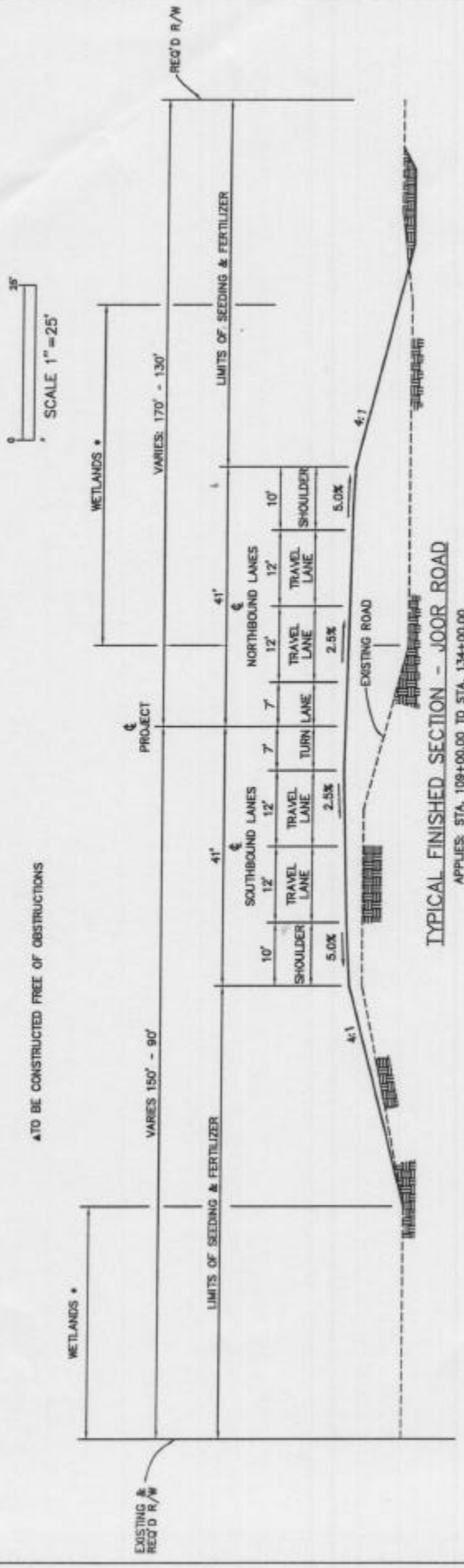
WETLANDS



HYDRAULIC DATA					
DRAINAGE AREA (mi²):	7956485360			PREDICTED SCOUR	
BASIN SLOPE (ft./mi):	8.2				
FLOOD FREQUENCY (years)	50	100	Overtopping	Flood frequency (years)	500
COMITE RIVER RELIEF DISCHARGE (cfs)	4770	5841	>500 yr.	Comite River Relief Discharge (cfs)	10031
FLOOD DRAIN DISCHARGE (cfs)	38100	41300	>500 yr.	Flood Drain Discharge (cfs)	53600
DESIGN WATER SURFACE ELEVATION (Ft./MSL)	52.76	53.77	>500 yr.	Contraction Scour Depth (ft)	11.0
AVERAGE VELOCITY (fps)	3.48	3.75	>500 yr.	Maximum Pier Scour Depth (ft)	4.9
AREA OF OPENING (sq.ft.)	1369	1583	>500 yr.	Abutment Scour Depth (ft)	n/a
BACKWATER (ft.)	0.11	0.15		Bridge Scour Elevation (ft)	23.5

F:\ACAD\01240-BR\RELIEF BRIDGE\COE-GEN PLAN & ELEV.DWG 08-06-03 AT 10:03 BY mtd

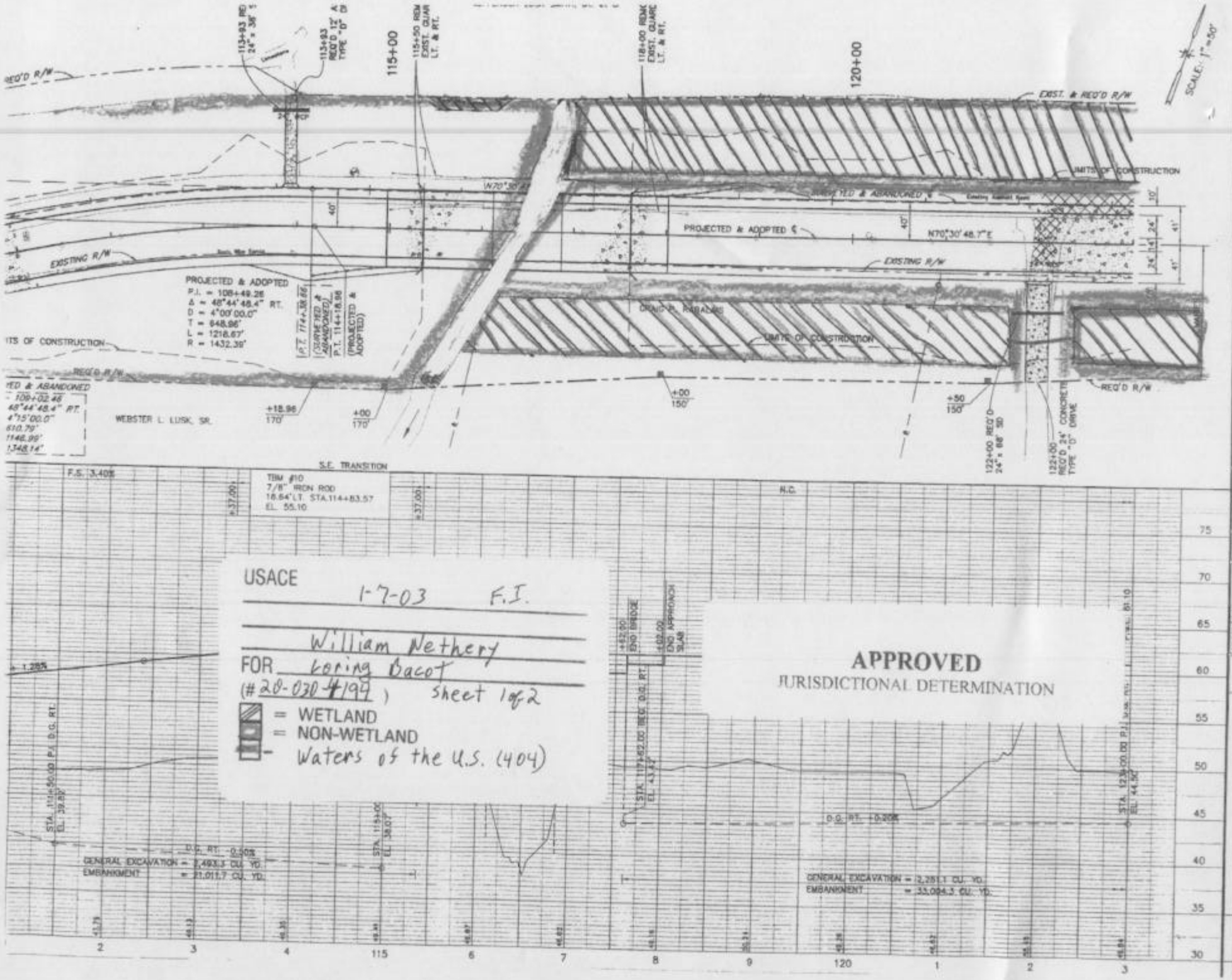
BR. NAME & STR. N.	COMITE RIVER BRIDGE & RELIEF BRIDGE JONES BAYOU - HOOPER ROAD			DATE REVD	8/5/03 11/7/03	SHEET	4
PARISH	EAST BATON ROUGE	ROUTE	LA. 946				



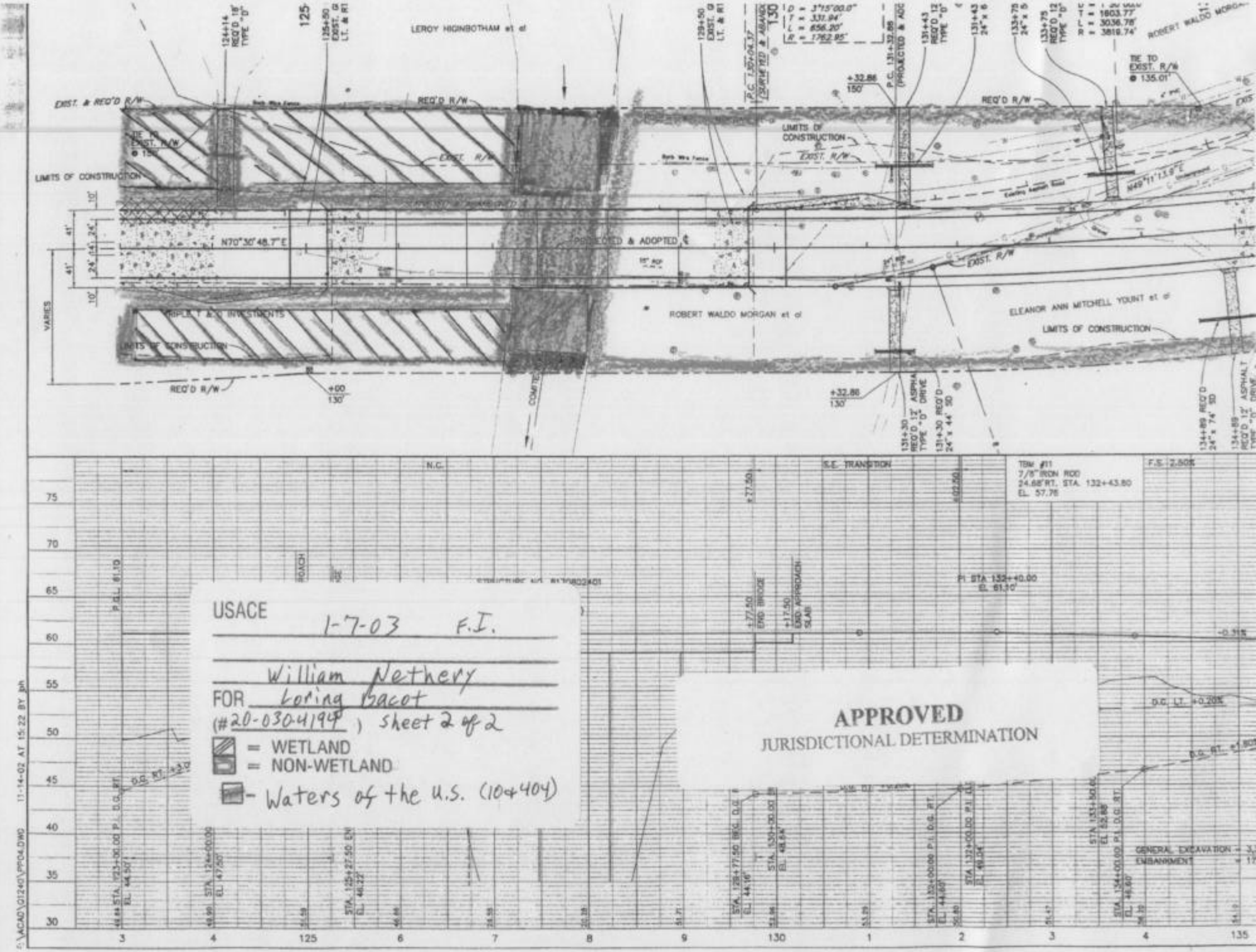
TYPICAL FINISHED SECTION - JOOR ROAD

APPLIES: STA. 109+00.00 TO STA. 134+00.00

* SEE SHEETS 2 & 3 FOR WETLAND LIMITS



JONES BAYOU - HOOPER ROAD
ROUTE LA 946
EAST BATON ROUGE
STP-0398(003)M
ABMI
SCALE: 1" = 50'
115+00
120+00
EXIST. & REQ'D R/W
LIMITS OF CONSTRUCTION
PROJECTED & ADOPTED ℄
N70°30'48.7"E
EXISTING R/W
REQ'D R/W
PROJECTED & ADOPTED
P.I. = 108+49.26
Δ = 48°44'48.4" RT.
D = 4°00'00.0"
T = 648.96'
L = 1218.67'
R = 1432.39'
WEBSTER L. LUSK, SR.
S.E. TRANSITION
TBM #10
7/8" IRON ROD
18.64' LT. STA.114+83.57
EL. 55.10
F.S. 3.40%
N.C.
D.G. RT. -0.50%
D.G. RT. +0.20%
GENERAL EXCAVATION = 2,493.3 CU. YD.
EMBANKMENT = 21,011.7 CU. YD.
GENERAL EXCAVATION = 2,281.1 CU. YD.
EMBANKMENT = 33,004.3 CU. YD.
USACE
1-7-03 F.I.
William Nethery
FOR Loring Bacot
(#20-030-4199) Sheet 1 of 2
= WETLAND
= NON-WETLAND
Waters of the U.S. (404)
APPROVED
JURISDICTIONAL DETERMINATION



USACE 1-7-03 F.I.

William Nethery

FOR Loring Bacot

(#20-030-4194) sheet 2 of 2

= WETLAND

= NON-WETLAND

- Waters of the U.S. (10+404)

APPROVED

JURISDICTIONAL DETERMINATION