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STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
District 02 Design, Water Resources & Development Section
7252 Lakeshore Drive New Orleans, LA 70124
Phone: (504) 283-3418 Fax: (504) 942-8302



November 5, 1999

M. J. "MIKE" FOSTER, JR.
GOVERNOR

KAM K. MOVASSAGHI
SECRETARY

**State Project No. 576-26-06
Lake Pontchartrain & Vicinity Hurricane Protection Project
U.S. Army Corps of Engineers Credit
Orleans Levee District and East Jefferson Levee District
Orleans and Jefferson Parish, Louisiana**

**Mr. Glenn J. Bergeron, President
East Jefferson Levee District
203 Plauche Court
Harahan, LA 70123**

**Mr. Stevan Spencer, Chief Engineer
Orleans Levee District
Suite 202, Lakefront Airport
New Orleans, LA 70126**

✓ **Mr. Al Naomi, Project Manager
U. S. Army Corps of Engineers, New Orleans District
P.O. Box 60267
New Orleans, LA 70160-0267**

**Subject: Federal credit for construction of S.P. 450-15-0092, 450 90-83
and 450- 34-0060, I-10 & I-610 West (Interchange), Route I-10,
Orleans and Jefferson Parishes.**

Dear Messrs. Bergeron, Spencer and Naomi:

Forwarded herewith for your review, are the following documents: One copy of each set of relevant construction plan sheets consisting of 78 sheets. Computer spread sheet, revised and dated November 3, 1999, indicating our preliminary recommendation for some work items that would qualify for Corps' credit. One copy of LOUISIANA DOTD-CONSTRUCTION ESTIMATES SYSTEM PRELIMINARY ESTIMATES WORKSHEET dated October 25, 1999, consisting of 25 sheets, showing work paid to that date. One copy of E-mail letter of transmittal of preliminary draft of the computer spread sheet of recommended credits dated, October 29, 1999.

**Messrs. Bergeron, Spencer, Naomi
Nov. 5, 1999**

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The amounts shown are partial construction contract costs. The construction contract will not be completed for at least one year. There are no engineering design, inspection or lab costs included. These costs should be creditable.

This submittal of partial information is made at the request of East Jefferson Levee District. It is intended to allow the levee districts to meet the current fiscal year expenditures required by the Corps, with minimal cash contributions.

Each levee district is responsible for submission of its own claim for Corps credit. We will assist the levee districts in obtaining information and be responsible for the accuracy of information we furnish. The costs estimates furnished by DOTD are subject to federal fraud statutes as Federal Highway Administration funds are involved. We recommend that the levee districts show the total amounts and the amounts claimed by each so that no amounts are claimed twice.

If there are any questions or comments, please contact Mr. A.V. Flotte at above listed address, or call (504) 283-3418.

Very truly yours,

**John E. Evanco, P.E.
District Administrator**



**Geneva P. Grille, P.E.
District Design, Water Resources &
Development Engineer**

**Xc: Mr. Alan Francingues
Mr. Curtis Patterson
files**

Payment data from DOTD Project Engineer's Partial Payments

Item No.	Description	Location	Unit	Unit Price	Paid to Date as of:				Job Payment Quantity	Job Total Quantity	
					Quantity Paid to Date	EJLD %	OLD %	EJLD Amount			OLD Amount
202(02)(A)(1)	Rem. of Bridge (I10 W/B)	92 Job spans in canal	Lump	\$105,000.00	1	50%	50%	\$52,500.00	\$52,500.00	1	1
202(02)(A)(2)	Rem. of Bridge (I610 E/B)	92 Job spans in canal	Lump	\$67,500.00	1	50%	50%	\$33,750.00	\$33,750.00	1	1
202(02)(A)(3)	Rem. of Bridge (I10 E/B)	92 Job spans in canal	Lump	\$15,000.00	1	50%	50%	\$7,500.00	\$7,500.00	1	1
712(01)	Conc. C.I.P Revet. 4" tk	83 Job east side of canal	Sq. Yd.	\$27.00	0	0%	100%	\$0.00	\$0.00	0	975
712(03)	Sacked Conc. Revetment	92 Job west side of canal	Sq. Yd.	\$40.00	366.7	100%	0%	\$14,668.00	\$0.00	366.7	787.5
712(03)	Sacked Conc. Revetment	92 Job east side of canal	Sq. Yd.	\$40.00	366.7	0%	100%	\$0.00	\$14,668.00	366.7	787.5
713(01)	Temp. Signs & Barricades	92 Job Entire Project	Lump	\$76,000.00	0.6	5%	5%	\$2,280.00	\$2,280.00	0.6	1
713(01)	Temp. Signs & Barricades	60 Job Entire Project	Lump	\$152,000.00	0.6	5%	5%	\$4,560.00	\$4,560.00	0.6	1
713(01)	Temp. Signs & Barricades	83 Job Entire Project	Lump	\$532,000.00	0.6	5%	5%	\$15,960.00	\$15,960.00	0.6	1
727(01)	Mobilization	92 Job Entire Project	Lump	\$700,000.00	1	5%	5%	\$35,000.00	\$35,000.00	1	1
727(01)	Mobilization	60 Job Entire Project	Lump	\$625,000.00	1	5%	5%	\$31,250.00	\$31,250.00	1	1
727(01)	Mobilization	83 Job Entire Project	Lump	\$1,175,000.00	1	5%	5%	\$58,750.00	\$58,750.00	1	1
802(02)	Structural Excavation	92 Job Bt.1, I610 west side of canal	Cu. Yd.	\$25.00	15.31	100%	0%	\$382.75	\$0.00		
802(02)	Structural Excavation	83 Job Bt 4, I610 east side of canal	Cu. Yd.	\$25.00	14.4	0%	100%	\$0.00	\$360.00	29.71	29.71
802(02)	Structural Excavation	92 Job Bt.1, I10 west side of canal	Cu. Yd.	\$25.00	107.1	100%	0%	\$2,677.50	\$0.00		
802(02)	Structural Excavation	83 Job Bt 4, I10 east side of canal	Cu. Yd.	\$25.00	54.2	0%	100%	\$0.00	\$1,355.00	161.3	161.3
803(04)	Stl. Sht. Pile Wall (PS31)	92 Job west side of canal	Sq. Ft.	\$20.50	956.2	100%	0%	\$19,602.10	\$0.00	956.2	1770.7
803(04)	Stl. Sht. Pile Wall (PS31)	83 Job east side of canal	Sq. Ft.	\$20.50	733.8	0%	100%	\$0.00	\$15,042.90	733.8	2830.5
804(01)(F)	Precast Con. Piles (24")	92 Job west side of canal, I610, Bt. 2	Lin. Ft.	\$58.50	2000	100%	0%	\$117,000.00	\$0.00	2000	3940.15
804(01)(F)(X)	Precast Con. Piles (24")	92 Job west side of canal, I610, Bt. 2	Lin. Ft.	\$39.00	25.85	100%	0%	\$1,008.15	\$0.00	25.85	25.85
804(01)(F)(X)	Precast Con. Piles (24")	92 Job east side of canal, I610, Bt. 3	Lin. Ft.	\$39.00	25.85	0%	100%	\$0.00	\$1,008.15	25.85	25.85
804(01)(F)	Precast Con. Piles (24")	92 Job east side of canal, I610, Bt. 3	Lin. Ft.	\$58.50	2036	0%	100%	\$0.00	\$119,106.00	2036	3980.15
804(04)(J)	Stl. Brg. Piles (HP 12XB4)	92 Job west side of canal, Bt. 1	Lin. Ft.	\$26.00	5250	100%	0%	\$136,500.00	\$0.00	5250	5250
804(04)(J)	Stl. Brg. Piles (HP 12XB4)	83 Job east side of canal, Bt. 4	Lin. Ft.	\$26.00	3133	0%	100%	\$0.00	\$81,458.00	3133	5632
804(07)	Precast Con. Test Piles	83 Job 24" Conc. Pile, Bt. 2 & 3	Each	\$14,000.00	1	50%	50%	\$7,000.00	\$7,000.00	1	1
804(09)	Steel Brg. Test Piles	92 Job over canal, Bt. 1&4	Each	\$10,000.00	1	50%	50%	\$5,000.00	\$5,000.00	1	1
804(12)	Loading Test Pile	92 Job over canal, Bt. 1&4, Bt. 2&3	Each	\$9,500.00	2	50%	50%	\$9,500.00	\$9,500.00	2	2
805(01)(F)	Class A Conc. (Bents)	92 Job Bt. 1&2, I610 west side canal	Cu. Yd.	\$400.00	65.93	100%	0%	\$26,372.00	\$0.00	65.93	65.93
805(01)(F)	Class A Conc. (Bents)	Bt. 3 & 4, I610 east side canal	Cu. Yd.	\$400.00	68.08	0%	100%	\$0.00	\$27,232.00	68.08	68.08
805(01)(F)	Class A Conc. (Bents)	92 Job Bt. 1&2, I10 west side canal	Cu. Yd.	\$400.00	0	100%	0%	\$0.00	\$0.00	0	51.21
805(01)(F)	Class A Conc. (Bents)	Bt. 3 & 4, I10 east side canal	Cu. Yd.	\$400.00	0	0%	100%	\$0.00	\$0.00	0	51.09
805(03)	Class AA Conc.	92 Job Spans 1,2,&3, I610 over canal	Cu. Yd.	\$300.00	652.94	50%	50%	\$97,941.00	\$97,941.00	652.94	2634.94
805(03)	Class AA Conc.	92 Job Spans 1,2,&3, I10 over canal	Cu. Yd.	\$300.00	1985	50%	50%	\$297,745.50	\$297,745.50	1984.97	1984.97
805(11)	Strip Seal Joints	92 Job Bent 1, I610 west side canal	Lin. Ft.	\$60.00	0	100%	0%	\$0.00	\$0.00	0	103.48
805(11)	Strip Seal Joints	92 Job Bent 1, I10 west side canal	Lin. Ft.	\$60.00	80	100%	0%	\$4,800.00	\$0.00	80	80
805(11)	Strip Seal Joints	83 Job Bent 4, I610 east side canal	Lin. Ft.	\$60.00	0	100%	0%	\$0.00	\$0.00	80	108.82
805(11)	Strip Seal Joints	83 Job Bent 4, I10 east side canal	Lin. Ft.	\$60.00	80	100%	0%	\$4,800.00	\$0.00	80	80
806(01)	Deformed Re. Steel	92 Job Spans 1,2,&3, I610	Pound	\$0.40	207000	50%	50%	\$41,400.00	\$41,400.00	207000	729858
806(01)	Deformed Re. Steel	92 Job Spans 1,2,&3, I10	Pound	\$0.40	528097	50%	50%	\$105,619.40	\$105,619.40	528097	528097
S-001	Const. Layout	92 Job Entire Project	Lump	\$50,000.00	0.85	50%	50%	\$21,250.00	\$21,250.00	0.85	1
S-001	Const. Layout	60 Job Entire Project	Lump	\$100,000.00	0.85	50%	50%	\$42,500.00	\$42,500.00	0.85	1
S-001	Const. Layout	83 Job Entire Project	Lump	\$350,000.00	0.85	50%	50%	\$148,750.00	\$148,750.00	0.85	1
S-002	Temp. Const. Entrances	92 Job Entire Project	Lump	\$4,000.00	1	5%	5%	\$200.00	\$200.00	1	2
S-002	Temp. Const. Entrances	60 Job Entire Project	Lump	\$4,000.00	1	5%	5%	\$200.00	\$200.00	1	1
S-002	Temp. Const. Entrances	83 Job Entire Project	Lump	\$4,000.00	3	5%	5%	\$600.00	\$600.00	3	2
S-110	Floodwalls	92 Job west side of canal	Lin. Ft.	\$450.00	130.1	100%	0%	\$58,545.00	\$0.00	130.1	143.9
S-110	Floodwalls	83 Job east side of canal	Lin. Ft.	\$450.00	49.5	0%	100%	\$0.00	\$22,275.00	49.5	169.72
S-110(A)	Floodgates	83 Job east side of canal	Each	\$13,166.00	0	0%	100%	\$0.00	\$0.00	0	2

7972

4619.91

1307897

CONTRACT ITEMS FOR STATE PROJECT NO 450-15-0092 FOR ESTIMATE _____
FUNDING: DPS-NH-10-5(327)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD % OVER/UNDER	TODATE	CURRENT QUANTITY	BOOK & PG
NON-PARTICIPATING ITEMS							
S-119 FAX MACHINE	EACH	2	1.0000 350.9800	1.0000 +.0%			
PARTICIPATING ITEMS							
000(00)(S-P) STOCKPILE MATERIAL	N/A	2	.0000 1.0000	626,391.8800 +.0%			
201(01) CLEARING & GRUBBING	LUMP SUM	2	1.0000 12,500.0000	.9000 -10.0%			
202(01) REMOVAL OF STRUCTURES & OBSTRU	LUMP SUM	2	1.0000 3,750.0000	.9000 -10.0%			
202(02)(A)(1) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 105,000.0000	1.0000 +.0%			
202(02)(A)(2) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 67,500.0000	.9000 -10.0%			
202(02)(A)(3) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 15,000.0000	.0000 -100.0%			
202(02)(C) REMOVAL OF PORTLAND CEMENT CON	SQUARE YARD	1	.0000 15.0000	.0000 +.0%			
202(02)(G) REMOVAL OF SURFACING & STABILI	SQUARE YARD	1	8,369.6000 7.0000	3,827.1000 -24.9%			
202(02)(G)(X) REMOVAL OF SURFACING AND STABI	SQUARE YARD	1	1,150.0000 14.0000	1,150.0000 +.0%			
202(02)(H) REMOVAL OF GUARD RAIL	LINEAR FOOT	1	520.0000 2.5000	440.0000 -5.2%			
202(02)(J) REMOVAL OF EXISTING SIGN FACES	EACH	2	4.0000 500.0000	.0000 -50.0%			
202(02)(K) REMOVAL OF CATCH BASINS	EACH	2	9.0000 700.0000	3.0000 -25.0%			
202(02)(L) REMOVAL OF EXISTING SIGNS AND	EACH	2	5.0000 1,000.0000	.0000 -100.0%			

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PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
202(02)(M) REMOVAL OF LIGHTS	EACH	2	17.0000 350.0000	12.0000 -25.8%		
203(01) GENERAL EXCAVATION	CUBIC YARD	1	.0000 8.5000	.0000 +.0%		
203(01)(X) GENERAL EXCAVATION	LUMP SUM	2	1.0000 145,214.0000	.9000 -20.0%		
203(05) NONPLASTIC EMBANKMENT	CUBIC YARD	1	.0000 10.0000	.0000 +.0%		
203(05)(X) NONPLASTIC EMBANKMENT	LUMP SUM	2	1.0000 120,740.0000	.9700 -9.3%		
302(02)(B) CLASS II BASE COURSE (8" THICK)	SQUARE YARD	1	15,434.5000 9.0000	13,578.4000 -12.0%		
501(01) ASPHALTIC CONCRETE	TON	3	3,357.9000 44.7500	981.8500 -36.2%		
501(01)(B) ASPHALTIC CONCRETE (TYPE 8F WE)	TON	3	1,714.6000 54.7500	.0000 -82.9%		
509(01) COLD PLANING ASPHALTIC PAVEMENT	SQUARE YARD	1	11,143.0000 1.9000	.0000 -83.2%		
601(01)(S) PORTLAND CEMENT CONCRETE PAVEMENT	SQUARE YARD	1	14,827.3000 58.0000	13,111.0000 -11.5%		
701(03)(F) STORM DRAIN PIPE (15" RCP/PCP)	LINEAR FOOT	1	110.0000 50.0000	107.0000 +48.2%		
701(03)(G) STORM DRAIN PIPE (18" RCP/PCP)	LINEAR FOOT	1	385.0000 60.0000	292.0000 -24.7%		
702(02)(C) MANHOLES (R-CB-11 MOD)	EACH	2	1.0000 2,400.0000	.0000 -100.0%		
702(03)(A) CATCH BASINS (CB-01)	EACH	2	12.0000 2,300.0000	11.0000 -2.7%		
702(04)(B) ADJUSTING CATCH BASINS	EACH	2	1.0000 1,000.0000	.0000 -50.0%		
704(03) BLOCKED OUT GUARD RAIL	LINEAR FOOT	2	293.8000 21.0000	175.0000 -84.3%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-15-0092 FOR ESTIMATE _____
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PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
704(06) GUARD RAIL ANCHOR SECTIONS (TR	LINEAR FOOT	1	6.3000 75.0000	6.2000 -90.0%		
704(08)(A) GUARD RAIL TRANSITIONS (DOUBLE	LINEAR FOOT	1	25.0000 45.0000	.0000 -8.1%		
706(03)(A) INCIDENTAL CONCRETE PAVING (4"	SQUARE YARD	1	616.6000 27.0000	202.7000 -20.3%		
712(01) CONCRETE CAST-IN-PLACE REVEIME	SQUARE YARD	1	487.5000 35.0000	.0000 -69.1%		
713(01) TEMPORARY SIGNS & BARRICADES	LUMP SUM	2	1.0000 76,000.0000	.6000 -40.0%		
713(03)(C) TEMPORARY PAVEMENT MARKINGS (8	LINEAR FOOT	1	6,123.0000 8.0000	5,416.0000 -12.3%		
713(03)(E) TEMPORARY PAVEMENT MARKINGS (2	LINEAR FOOT	1	1,111.0000 24.0000	79.0000 -84.4%		
713(04)(B) TEMPORARY PAVEMENT MARKINGS (B	MILE	3	4.5370 11,500.0000	3.9690 -7.6%		
713(05)(A) TEMPORARY PAVEMENT MARKINGS (S	MILE	3	5.1090 23,000.0000	4.5410 -8.5%		
713(07) TEMPORARY REFLECTORIZED RAISED	EACH	2	1,128.0000 13.0000	1,005.0000 -9.4%		
714(02) WATER	M GALLONS	3	1.0000 20.0000	.0000 -100.0%		
717(01) SEEDING	POUND	0	62.0000 10.0000	30.0000 -86.2%		
718(01) FERTILIZER	POUND	0	1,530.0000 .4000	615.0000 -88.6%		
725(01) TEMPORARY DETOUR ROADS	LINEAR FOOT	1	1,825.0000 150.0000	1,825.0000 -4.4%		
726(01) BEDDING MATERIAL	CUBIC YARD	1	107.4000 42.0000	100.7000 +9.0%		
727(01) MOBILIZATION	LUMP SUM	2	1.0000 700,000.0000	1.0000 +.0%		

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PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
729(01) SIGN (TYPE A)	SQUARE FOOT	1	147.1000 30.0000	92.0000 -65.5%		
729(04) SIGN (TYPE D)	SQUARE FOOT	1	100.5000 32.0000	.0000 -79.2%		
729(05) SIGN (TYPE E)	SQUARE FOOT	1	51.2000 35.0000	.0000 -100.0%		
729(06) SIGN (OVERHEAD MOUNTED)	SQUARE FOOT	1	811.0000 38.0000	.0000 -98.7%		
729(08)(B) MOUNTING (3 1/2")	EACH	2	3.0000 1,000.0000	.0000 -100.0%		
729(08)(C) MOUNTING (5")	EACH	2	1.0000 1,200.0000	.0000 -100.0%		
729(09) MOUNTING (OVERHEAD TRUSS)(GROU	EACH	2	1.0000 60,000.0000	.0000 -100.0%		
729(09)(X) MATERIAL FOR TRUSS NO. 4 AND N	LUMP SUM	2	1.0000 22,344.3700	.0000 -100.0%		
729(11) MOUNTING (OVERHEAD CANTILEVER)	EACH	2	1.0000 30,000.0000	1.0000 -66.6%		
729(20)(A) FOOTINGS FOR OVERHEAD MOUNTING	EACH	2	2.0000 8,500.0000	1.0000 -50.0%		
729(20)(B) FOOTINGS FOR OVERHEAD MOUNTING	EACH	2	1.0000 7,500.0000	1.0000 -16.6%		
730(01) TRENCHING AND BACKFILLING	LINEAR FOOT	1	2,100.0000 3.0000	353.0000 -25.7%		
730(02)(A) CONDUIT WITH CONDUCTORS (1" RI	LINEAR FOOT	1	700.0000 11.0000	301.0000 -38.7%		
730(02)(B) CONDUIT WITH CONDUCTORS (1" PV	LINEAR FOOT	1	2,400.0000 3.5000	2,016.6000 -1.9%		
730(04) JACKED OR BORED CASING (4" SCH	LINEAR FOOT	1	300.0000 26.0000	70.0000 -51.1%		
730(05)(A) LIGHT POLE (SINGLE ARM, STRUCT	EACH	2	8.0000 1,600.0000	3.0000 -52.0%		

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PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
730(05)(B) LIGHT POLE (TWIN ARM, STRUCTUR	EACH	2	5.0000 2,800.0000	5.0000 +.0%		
730(05)(C) LIGHT POLE (SINGLE ARM, GROUND	EACH	2	2.0000 2,600.0000	3.0000 +22.2%		
730(07)(A) LUMINAIRE (TYPE A, 250 WATTS H	EACH	2	20.0000 350.0000	16.0000 -15.7%		
730(08) ELECTRICAL SERVICE POINT (LIGH	EACH	2	1.0000 7,000.0000	1.0000 +.0%		
731(01) NONREFLECTORIZED RAISED PAVEME	EACH	2	186.0000 18.0000	36.0000 -90.3%		
731(02) REFLECTORIZED RAISED PAVEMENT	EACH	2	498.0000 13.0000	15.0000 -79.9%		
732(01)(C) PLASTIC PAVEMENT STRIPING (8"	LINEAR FOOT	1	1,430.0000 2.5000	.0000 -73.4%		
732(01)(E) PLASTIC PAVEMENT STRIPING (24"	LINEAR FOOT	1	690.0000 8.0000	.0000 -80.1%		
732(02)(A) PLASTIC PAVEMENT STRIPING (SOL	MILE	3	1.2270 4,500.0000	.0400 -88.0%		
732(03)(A)(1) PLASTIC PAVEMENT STRIPING (BRO	MILE	3	1.7840 6,500.0000	.1140 -94.1%		
732(05) REMOVAL OF EXISTING MARKINGS	MILE	3	6.1440 2,700.0000	4.6870 -37.2%		
733(01)(A) CONCRETE ROADWAY BARRIER (32"	LINEAR FOOT	1	985.0000 130.0000	985.8000 +.0%		
733(01)(B) CONCRETE ROADWAY BARRIER (32")	LINEAR FOOT	1	760.4000 40.0000	767.9000 -10.2%		
802(02) STRUCTURAL EXCAVATION FOR INTE	CUBIC YARD	2	126.4500 25.0000	126.4500 -13.2%		
803(04) STEEL SHEET PILE WALL (PS31)	SQUARE FOOT	1	1,770.7000 20.5000	956.2000 -63.2%		
804(01)(F) PRECAST CONCRETE PILES (24")	LINEAR FOOT	1	7,921.3000 58.5000	4,036.6000 -49.0%		

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PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
804(01)(F)(X) PRECAST CONCRETE PILES (24")(C)	LINEAR FOOT	1	51.7000 39.0000	103.4000 +100.0%		
804(04)(J) STEEL BEARING PILES (HP 12X84)	LINEAR FOOT	1	5,250.0000 26.0000	5,250.0000 -22.9%		
804(09) STEEL BEARING TEST PILES	EACH	2	1.0000 10,000.0000	1.0000 +.0%		
804(12) LOADING TEST PILES	EACH	2	1.0000 9,500.0000	1.0000 +.0%		
805(01)(F) CLASS A CONCRETE (BENTS)	CUBIC YARD	2	169.9500 400.0000	100.2600 -40.2%		
805(03) CLASS AA CONCRETE	CUBIC YARD	2	4,619.9100 300.0000	2,646.9700 -41.0%		
805(11) STRIP SEAL JOINTS	LINEAR FOOT	1	183.4800 60.0000	107.4000 -32.1%		
806(01) DEFORMED REINFORCING STEEL	POUND	0	1307,897.00 .4000	747,103.0000 -39.7%		
810(01)(A) CONCRETE RAILING (32" BARRIER)	LINEAR FOOT	1	387.5200 20.0000	387.5000 -51.2%		
810(01)(B) CONCRETE RAILING (42" BARRIER)	LINEAR FOOT	1	644.5300 30.0000	501.2000 -22.2%		
812(01) UNTREATED TIMBER	MFEM	3	8.7470 750.0000	6.9730 +3.3%		
813(01) CONCRETE APPROACH SLABS	SQUARE YARD	1	957.9200 80.0000	520.6000 -33.9%		
S-001 CONSTRUCTION LAYOUT	LUMP SUM	2	1.0000 50,000.0000	.8500 -15.0%		
S-002 TEMPORARY CONSTRUCTION ENTRANC	EACH	2	2.0000 4,000.0000	1.0000 +.0%		
S-003 GROUND IN RUMBLE STRIPS	MILE	3	1.0000 3,500.0000	.0000 -100.0%		
S-004 GEOTEXTILE FABRIC	SQUARE YARD	1	15,254.0000 1.0000	13,601.2000 -12.8%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-15-0092 FOR ESTIMATE _____
FUNDING: DPS-NH-10-5(327)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
S-006 CHANNEL IMPROVEMENTS IN 17TH S	LUMP SUM	2	1.0000 100,000.0000	.7500 -25.0%		
S-007 CLEANING EXISTING CULVERTS	LINEAR FOOT	1	2,790.0000 5.6000	.0000 -84.3%		
S-009 TEMPORARY SHEETING	LINEAR FOOT	1	4,326.0000 87.7500	4,114.0000 -18.8%		
S-102 LIGHT SUPPORT BASE	EACH	2	4.0000 600.0000	3.0000 -47.3%		
S-104 PORTABLE IMPACT ATTENUATORS	EACH	2	4.0000 50,000.0000	1.0000 -54.5%		
S-106 IMPACT ATTENUATORS (HEX-FOAM S	EACH	2	1.0000 42,000.0000	.0000 -100.0%		
S-107 TEMPORARY PRECAST BARRIER (DOT	EACH	2	248.0000 200.0000	339.0000 -.6%		
S-108 TEMPORARY PRECAST BARRIER (15'	EACH	2	100.0000 480.0000	.0000 -100.0%		
S-109 GUARD RAIL END TREATMENT (MELT	EACH	2	1.0000 2,000.0000	.0000 -66.6%		
S-110 FLOODWALLS	LINEAR FOOT	2	143.9000 450.0000	130.1000 -42.7%		
S-112 REMOVAL OF CANTILEVER & FOOTIN	EACH	2	1.0000 4,000.0000	1.0000 -50.0%		
S-114 LONGITUDINAL JOINT REPAIR FOR	LUMP SUM	2	1.0000 6,014.9200	1.0000 +.0%		
S-117 PARTNERING	LUMP SUM	2	1.0000 5,424.3400	1.0000 +.0%		
S-118 LONGITUDINAL JOINT REPAIR, PHA	LUMP SUM	2	1.0000 4,713.4900	1.0000 +.0%		
S-120 MONTHLY FAX SERVICE AND ADDITI	EACH	2	32.0000 49.5900	14.0000 -56.2%		
S-125 4" SCHEDULE 80 PVC CONDUIT	LINEAR FOOT	1	300.0000 16.4300	129.6000 -74.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-15-0092 FOR ESTIMATE _____
FUNDING: DPS-NH-10-5(327)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
S-132(A) CUT AND SPLICE	EACH #5 REBAR	0	15.0000 27.7600	11.0000 +56.6%		
S-132(B) CUT AND SPLICE	EACH #6 REBAR	0	113.0000 30.6500	.0000 -97.7%		
S-132(C) CUT AND SPLICE	EACH #7 REBAR	0	52.0000 36.3600	71.0000 -10.5%		
S-132(D) CUT AND SPLICE	EACH #9 REBAR	0	80.0000 55.1500	.0000 -100.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060 FOR ESTIMATE _____
FUNDING: NH-610-5(363)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
PARTICIPATING ITEMS						
201(01) CLEARING & GRUBBING	LUMP SUM	2	1.0000 12,500.0000	.9000 -10.0%		
202(01) REMOVAL OF STRUCTURES & OBSTRU	LUMP SUM	2	1.0000 3,750.0000	.9000 -10.0%		
202(02)(A)(2) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 90,000.0000	.9000 -10.0%		
202(02)(G) REMOVAL OF SURFACING & STABLI	SQUARE YARD	1	730.8000 7.0000	470.7000 -24.9%		
202(02)(H) REMOVAL OF GUARD RAIL	LINEAR FOOT	1	1,278.0000 2.5000	1,797.5000 -5.2%		
202(02)(J) REMOVAL OF EXISTING SIGN FACES	EACH	2	10.0000 500.0000	10.0000 -50.0%		
202(02)(K) REMOVAL OF CATCH BASINS	EACH	2	2.0000 700.0000	1.0000 -25.0%		
202(02)(M) REMOVAL OF LIGHTS	EACH	2	5.0000 350.0000	3.0000 -25.8%		
203(01) GENERAL EXCAVATION	CUBIC YARD	1	.0000 8.5000	.0000 +.0%		
203(01)(X) GENERAL EXCAVATION	LUMP SUM	2	1.0000 38,301.0000	.7500 -20.0%		
203(05) NONPLASTIC EMBANKMENT	CUBIC YARD	1	.0000 10.0000	.0000 +.0%		
203(05)(X) NONPLASTIC EMBANKMENT	LUMP SUM	2	1.0000 23,550.0000	.8000 -9.3%		
302(02)(A) CLASS II BASE COURSE (4" THICK	SQUARE YARD	1	3,511.2000 6.0000	2,457.9000 -3.5%		
302(02)(C) CLASS II BASE COURSE (12" THIC	SQUARE YARD	1	3,746.7000 12.7500	2,622.7000 -3.5%		
501(01) ASPHALTIC CONCRETE	TON	3	2,928.7750 44.7500	1,897.3700 -36.2%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060 FOR ESTIMATE _____
FUNDING: NH-610-5(363)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
501(01)(B) ASPHALTIC CONCRETE (TYPE 8F WE	TON	3	774.2500 54.7500	680.0600 -82.9%		
509(01) COLD PLANING ASPHALTIC PAVEMEN	SQUARE YARD	1	9,729.0000 1.9000	5,658.0000 -83.2%		
701(03)(G) STORM DRAIN PIPE (18" RCP/PCP)	LINEAR FOOT	1	400.0000 60.0000	403.3000 -24.7%		
701(03)(I) STORM DRAIN PIPE (24" RCP/PCP)	LINEAR FOOT	1	158.0000 70.0000	176.0000 +.3%		
701(03)(K) STORM DRAIN PIPE (30" RCP/PCP)	LINEAR FOOT	1	288.0000 88.0000	292.0000 +1.3%		
702(03)(A) CATCH BASINS (CB-01)	EACH	2	7.0000 2,300.0000	7.0000 -2.7%		
702(04)(B) ADJUSTING CATCH BASINS	EACH	2	2.0000 1,000.0000	.0000 -50.0%		
704(03) BLOCKED OUT GUARD RAIL	LINEAR FOOT	1	1,781.3000 21.0000	.0000 -84.3%		
704(06) GUARD RAIL ANCHOR SECTIONS (TR	LINEAR FOOT	1	18.8000 75.0000	.0000 -90.0%		
713(01) TEMPORARY SIGNS & BARRICADES	LUMP SUM	2	1.0000 152,000.0000	.6000 -40.0%		
713(03)(C) TEMPORARY PAVEMENT MARKINGS (8	LINEAR FOOT	1	1,765.0000 8.0000	1,109.0000 -12.3%		
713(03)(E) TEMPORARY PAVEMENT MARKINGS (2	LINEAR FOOT	1	540.0000 24.0000	100.0000 -84.4%		
713(04)(B) TEMPORARY PAVEMENT MARKINGS (B	MILE	3	1.1330 11,500.0000	.9620 -7.6%		
713(05)(A) TEMPORARY PAVEMENT MARKINGS (S	MILE	3	2.6460 23,000.0000	2.3810 -8.5%		
713(07) TEMPORARY REFLECTORIZED RAISED	EACH	2	378.0000 13.0000	305.0000 -9.4%		
714(02) WATER	M GALLONS	3	1.0000 20.0000	.0000 -100.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060 FOR ESTIMATE _____
FUNDING: NH-610-5(363)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
717(01) SEEDING	POUND	0	28.0000 10.0000	.0000 -86.2%		
718(01) FERTILIZER	POUND	0	697.0000 .4000	.0000 -88.6%		
725(01) TEMPORARY DETOUR ROADS	LINEAR FOOT	1	625.0000 150.0000	625.0000 -4.4%		
726(01) BEDDING MATERIAL	CUBIC YARD	1	242.3000 42.0000	243.5000 +9.0%		
727(01) MOBILIZATION	LUMP SUM	2	1.0000 625,000.0000	1.0000 +.0%		
729(01) SIGN (TYPE A)	SQUARE FOOT	1	352.4000 30.0000	134.0000 -65.5%		
729(04) SIGN (TYPE D)	SQUARE FOOT	1	143.5000 32.0000	.0000 -79.2%		
729(05) SIGN (TYPE E)	SQUARE FOOT	1	68.8000 35.0000	.0000 -100.0%		
729(06) SIGN (OVERHEAD MOUNTED)	SQUARE FOOT	1	964.0000 38.0000	.0000 -98.7%		
729(08)(B) MOUNTING (3 1/2")	EACH	1	5.0000 1,000.0000	.0000 -100.0%		
729(08)(F) MOUNTING (W6 X 12)	EACH	2	2.0000 1,500.0000	.0000 -100.0%		
729(08)(F)(1) MOUNTING (W6 X 12)(ATTENUATOR)	EACH	2	2.0000 1,500.0000	.0000 -100.0%		
729(08)(G) MOUNTING (W8 X 18)	EACH	2	4.0000 2,000.0000	.0000 -100.0%		
729(09) MOUNTING (OVERHEAD TRUSS)(GROU)	EACH	2	1.0000 60,000.0000	.0000 -100.0%		
729(10) MOUNTING (OVERHEAD TRUSS)(STRU)	EACH	2	1.0000 45,000.0000	.0000 -100.0%		
729(13) MOUNTING (BRIDGE FASCIA MOUNTE	EACH	2	2.0000 8,000.0000	.0000 -100.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060
FUNDING: NH-610-5(363)231

FOR ESTIMATE _____

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
729(17) MILEPOST ASSEMBLY (GROUND MOUN	EACH	2	2.0000 100.0000	.0000 -100.0%		
729(20)(A) FOOTINGS FOR OVERHEAD MOUNTING	EACH	2	2.0000 8,500.0000	.0000 -50.0%		
730(01) TRENCHING AND BACKFILLING	LINEAR FOOT	1	1,500.0000 3.0000	1,561.5000 -25.7%		
730(02)(A) CONDUIT WITH CONDUCTORS (1" RI	LINEAR FOOT	1	1,300.0000 11.0000	954.3000 -38.7%		
730(02)(B) CONDUIT WITH CONDUCTORS (1" PV	LINEAR FOOT	1	2,050.0000 3.5000	2,160.5000 -1.9%		
730(04) JACKED OR BORED CASING (4" SCH	LINEAR FOOT	1	50.0000 26.0000	67.0000 -51.1%		
730(05)(A) LIGHT POLE (SINGLE ARM, STRUCT	EACH	2	6.0000 1,600.0000	5.0000 -52.0%		
730(05)(C) LIGHT POLE (SINGLE ARM, GROUND	EACH	2	2.0000 2,600.0000	3.0000 +22.2%		
730(07)(A) LUMINAIRE (TYPE A, 250 WATTS H	EACH	2	8.0000 350.0000	8.0000 -15.7%		
730(07)(B) LUMINAIRE (TYPE C, 150 WATTS H	EACH	2	3.0000 550.0000	.0000 -100.0%		
730(08) ELECTRICAL SERVICE POINT (LIGH	EACH	2	1.0000 7,000.0000	1.0000 +.0%		
731(01) NONREFLECTORIZED RAISED PAVEME	EACH	2	54.0000 18.0000	.0000 -90.3%		
731(02) REFLECTORIZED RAISED PAVEMENT	EACH	2	665.0000 13.0000	330.0000 -79.9%		
732(01)(C) PLASTIC PAVEMENT STRIPING (8"	LINEAR FOOT	1	1,765.0000 2.5000	1,027.0000 -73.4%		
732(01)(E) PLASTIC PAVEMENT STRIPING (24"	LINEAR FOOT	1	1,391.0000 8.0000	791.0000 -80.1%		
732(02)(A) PLASTIC PAVEMENT STRIPING (SOL	MILE	3	1.0170 4,500.0000	.5380 -88.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060 FOR ESTIMATE _____
FUNDING: NH-610-5(363)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
732(03)(A)(1) PLASTIC PAVEMENT STRIPING (BRO)	MILE	3	1.0470 6,500.0000	.0000 -94.1%		
732(05) REMOVAL OF EXISTING MARKINGS	MILE	3	3.3160 2,700.0000	1.9130 -37.2%		
733(01)(B) CONCRETE ROADWAY BARRIER (32")	LINEAR FOOT	1	95.0000 40.0000	.0000 -10.2%		
802(02) STRUCTURAL EXCAVATION FOR INTE	CUBIC YARD	2	1,803.7100 25.0000	1,778.8100 -13.2%		
804(01)(B) PRECAST CONCRETE PILES (14")	LINEAR FOOT	1	13,260.0000 18.0000	4,248.0000 -36.8%		
804(01)(C) PRECAST CONCRETE PILES (16")	LINEAR FOOT	1	7,540.0000 22.2500	4,100.0000 -31.0%		
804(03)(A) TREATED TIMBER PILES (NONCOAST	LINEAR FOOT	1	1,885.0000 10.7500	924.0000 -50.9%		
804(07) PRECAST CONCRETE TEST PILES	EACH	2	2.0000 14,000.0000	2.0000 +.0%		
804(12) LOADING TEST PILES	EACH	2	2.0000 9,500.0000	2.0000 +.0%		
805(01)(C) CLASS A CONCRETE (RETAINING WA	CUBIC YARD	2	65.6200 750.0000	31.2400 -38.2%		
805(01)(D) CLASS A CONCRETE (FOOTINGS)	CUBIC YARD	2	484.2100 200.0000	255.1000 -29.1%		
805(01)(F) CLASS A CONCRETE (BENTS)	CUBIC YARD	2	663.7900 400.0000	291.4700 -40.2%		
805(02) CLASS A(M) CONCRETE	CUBIC YARD	2	85.5200 250.0000	43.2300 -49.4%		
805(03) CLASS AA CONCRETE	CUBIC YARD	2	1,966.0000 300.0000	863.6600 -41.0%		
805(08)(C) PRECAST-PRESTRESSED CONCRETE G	LINEAR FOOT	1	9,825.0000 60.0000	3,358.8000 -33.9%		
805(11) STRIP SEAL JOINTS	LINEAR FOOT	1	124.9200 60.0000	54.8000 -32.1%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060 FOR ESTIMATE _____
FUNDING: NH-610-5(363)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
806(01) DEFORMED REINFORCING STEEL	POUND	0	917,805.0000 .4000	332,784.0000 -39.7%		
807(06) STRUCTURAL METALWORK	LUMP SUM	2	1.0000 1980,000.00	.4800 -26.0%		
810(01)(A) CONCRETE RAILING (32" BARRIER)	LINEAR FOOT	1	2,265.2100 20.0000	1,140.9000 -51.2%		
812(01) UNTREATED TIMBER	MFEM	3	13.2500 750.0000	13.3650 +3.3%		
813(01) CONCRETE APPROACH SLABS	SQUARE YARD	1	349.1400 80.0000	125.0000 -33.9%		
S-001 CONSTRUCTION LAYOUT	LUMP SUM	2	1.0000 100,000.0000	.8500 -15.0%		
S-002 TEMPORARY CONSTRUCTION ENTRANC	EACH	2	1.0000 4,000.0000	1.0000 +.0%		
S-003 GROUND IN RUMBLE STRIPS	MILE	3	.4000 3,500.0000	.0000 -100.0%		
S-004 GEOTEXTILE FABRIC	SQUARE YARD	1	3,511.0000 1.0000	2,288.0000 -12.8%		
S-007 CLEANING EXISTING CULVERTS	LINEAR FOOT	1	1,270.0000 5.6000	.0000 -84.3%		
S-009 TEMPORARY SHEETING	LINEAR FOOT	1	1,959.0000 87.7500	1,096.0000 -18.8%		
S-101(A) DECK DRAINAGE SYSTEM (TYPE A)	EACH	2	2.0000 2,000.0000	2.0000 -16.6%		
S-101(B) DECK DRAINAGE SYSTEM (TYPE B)	LUMP SUM	2	1.0000 6,000.0000	.0000 -87.5%		
S-102 LIGHT SUPPORT BASE	EACH	2	5.0000 600.0000	5.0000 -47.3%		
S-103 SIGN SUPPORT BASE	EACH	2	2.0000 6,000.0000	1.0000 -50.0%		
S-106 IMPACT ATTENUATORS (HEX-FOAM S	EACH	2	1.0000 42,000.0000	.0000 -100.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-34-0060 FOR ESTIMATE _____
FUNDING: NH-610-5(363)231

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
S-107 TEMPORARY PRECAST BARRIER (DOT)	EACH	2	547.0000 200.0000	350.0000 -.6%		
S-108 TEMPORARY PRECAST BARRIER (15'	EACH	2	100.0000 480.0000	.0000 -100.0%		
S-109 GUARD RAIL END TREATMENT (MELT	EACH	2	1.0000 2,000.0000	.0000 -66.6%		
S-111 REMOVAL OF TRUSS & FOOTINGS FO	EACH	2	3.0000 5,000.0000	3.0000 +.0%		
S-113 SLAB MODIFICATION FOR NOISE BA	LINEAR FOOT	1	1,087.4000 8.0000	1,087.4000 -28.3%		
S-114 LONGITUDINAL JOINT REPAIR FOR	LUMP SUM	2	1.0000 6,014.9000	1.0000 +.0%		
S-115 U-CHANNEL POST	EACH	0	12.0000 60.5000	11.0000 -8.3%		
S-118 LONGITUDINAL JOINT REPAIR, PHA	LUMP SUM	2	1.0000 4,713.4800	1.0000 +.0%		
S-123 GLARE PANELS	LINEAR FOOT	1	500.0000 22.0000	450.0000 -10.0%		
S-124 COVER DIRECTIONAL SIGNS	LUMP SUM	2	1.0000 5,397.0000	1.0000 +.0%		
S-125 4" SCHEDULE 80 PVC CONDUIT	LINEAR FOOT	1	50.0000 16.4300	.0000 -74.0%		
S-126 GIRDER CAMBER CORRECTION	LUMP SUM	2	1.0000 136,220.9900	1.0000 +.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
PARTICIPATING ITEMS						
001(00)(R-B) ZINC COATING REBATE	EACH	2	-1,800.0000 1.0000	-1,800.0000 +.0%		
201(01) CLEARING & GRUBBING	LUMP SUM	2	1.0000 25,000.0000	.9000 -10.0%		
202(01) REMOVAL OF STRUCTURES & OBSTRU	LUMP SUM	2	1.0000 7,500.0000	.9000 -10.0%		
202(02)(A)(1) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 245,000.0000	1.0000 +.0%		
202(02)(A)(2) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 292,500.0000	.9000 -10.0%		
202(02)(A)(3) REMOVAL OF BRIDGES (EXISTING I	LUMP SUM	2	1.0000 35,000.0000	.0000 -100.0%		
202(02)(G) REMOVAL OF SURFACING & STABILI	SQUARE YARD	1	14,665.1000 7.0000	13,531.6000 -24.9%		
202(02)(H) REMOVAL OF GUARD RAIL	LINEAR FOOT	1	2,025.0000 2.5000	1,384.0000 -5.2%		
202(02)(J) REMOVAL OF EXISTING SIGN FACES	EACH	2	12.0000 500.0000	3.0000 -50.0%		
202(02)(K) REMOVAL OF CATCH BASINS	EACH	2	9.0000 700.0000	11.0000 -25.0%		
202(02)(L) REMOVAL OF EXISTING SIGNS AND	EACH	2	2.0000 1,000.0000	.0000 -100.0%		
202(02)(M) REMOVAL OF LIGHTS	EACH	2	36.0000 350.0000	28.0000 -25.8%		
202(02)(O) REMOVAL OF MANHOLES	EACH	2	6.0000 700.0000	1.0000 -83.3%		
202(02)(P) REMOVAL OF CONCRETE RAILING	LINEAR FOOT	1	783.0000 20.0000	783.0000 +.0%		
202(02)(Q) REMOVAL OF INCIDENTAL CONCRETE	SQUARE YARD	1	4,373.7000 7.5000	3,148.5000 -28.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
203(01) GENERAL EXCAVATION	CUBIC YARD	1	.0000 8.5000	.0000 +.0%		
203(01)(X) GENERAL EXCAVATION	LUMP SUM	2	1.0000 287,232.0000	.7500 -20.0%		
203(05) NONPLASTIC EMBANKMENT	CUBIC YARD	1	.0000 10.0000	.0000 +.0%		
203(05)(X) NONPLASTIC EMBANKMENT	LUMP SUM	2	1.0000 285,320.0000	.9500 -9.3%		
203(06) EXCAVATION & EMBANKMENT	LUMP SUM	2	1.0000 40,000.0000	.0000 -100.0%		
302(02)(A) CLASS II BASE COURSE (4" THICK)	SQUARE YARD	1	26,258.4000 6.0000	26,258.4000 -3.5%		
302(02)(C) CLASS II BASE COURSE (12" THICK)	SQUARE YARD	1	28,045.6000 12.7500	28,045.6000 -3.5%		
501(01) ASPHALTIC CONCRETE	TON	3	14,457.4250 44.7500	10,345.5700 -36.2%		
501(01)(B) ASPHALTIC CONCRETE (TYPE 8F WE)	TON	3	2,727.8500 54.7500	208.3000 -82.9%		
509(01) COLD PLANING ASPHALTIC PAVEMENT	SQUARE YARD	1	21,505.0000 1.9000	1,421.0000 -83.2%		
701(03)(F) STORM DRAIN PIPE (15" RCP/PCP)	LINEAR FOOT	1	532.5000 50.0000	845.5000 +48.2%		
701(03)(G) STORM DRAIN PIPE (18" RCP/PCP)	LINEAR FOOT	1	352.5000 60.0000	160.5000 -24.7%		
701(03)(I) STORM DRAIN PIPE (24" RCP/PCP)	LINEAR FOOT	1	732.0000 70.0000	717.5000 +.3%		
701(03)(M) STORM DRAIN PIPE (36" RCP/PCP)	LINEAR FOOT	1	312.0000 111.0000	310.0000 -.6%		
702(03)(A) CATCH BASINS (CB-01)	EACH	2	18.0000 2,300.0000	18.0000 -2.7%		
702(03)(C) CATCH BASINS (CB-06)	EACH	2	4.0000 2,600.0000	5.0000 +25.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083
FUNDING: NH-10-5(283)233

FOR ESTIMATE _____

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
702(04)(A) ADJUSTING MANHOLES	EACH	2	1.0000 1,000.0000	1.0000 +.0%		
702(04)(B) ADJUSTING CATCH BASINS	EACH	2	5.0000 1,000.0000	4.0000 -50.0%		
704(01)(A) GUARD RAIL (DOUBLE THRIE BEAM)	LINEAR FOOT	1	643.8000 40.0000	.0000 -100.0%		
704(03) BLOCKED OUT GUARD RAIL	LINEAR FOOT	1	568.8000 21.0000	237.6000 -84.3%		
704(06) GUARD RAIL ANCHOR SECTIONS (TR	LINEAR FOOT	1	37.5000 75.0000	.0000 -90.0%		
704(08)(A) GUARD RAIL TRANSITIONS (DOUBLE	LINEAR FOOT	1	50.0000 45.0000	68.9000 -8.1%		
706(03)(A) INCIDENTAL CONCRETE PAVING (4"	SQUARE YARD	1	9,735.4000 27.0000	8,042.4000 -20.3%		
707(03)(A) COMBINATION CONCRETE CURB & GU	LINEAR FOOT	1	206.0000 18.0000	276.0000 +33.9%		
712(01) CONCRETE CAST-IN-PLACE REVEIME	SQUARE YARD	1	2,697.5000 35.0000	982.9000 -69.1%		
712(03) SACKED CONCRETE REVEITMENT	SQUARE YARD	1	1,570.0000 40.0000	773.4000 -50.7%		
713(01) TEMPORARY SIGNS & BARRICADES	LUMP SUM	2	1.0000 532,000.0000	.6000 -40.0%		
713(03)(C) TEMPORARY PAVEMENT MARKINGS (8	LINEAR FOOT	1	3,168.0000 8.0000	3,168.0000 -12.3%		
713(03)(E) TEMPORARY PAVEMENT MARKINGS (2	LINEAR FOOT	1	1,977.0000 24.0000	386.0000 -84.4%		
713(04)(B) TEMPORARY PAVEMENT MARKINGS (B	MILE	3	5.5210 11,500.0000	5.4000 -7.6%		
713(05)(A) TEMPORARY PAVEMENT MARKINGS (S	MILE	3	9.2320 23,000.0000	8.6070 -8.5%		
713(07) TEMPORARY REFLECTORIZED RAISED	EACH	2	1,209.0000 13.0000	1,149.0000 -9.4%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
714(02) WATER	M GALLONS	3	5.0000 20.0000	.0000 -100.0%		
717(01) SEEDING	POUND	0	128.0000 10.0000	.0000 -86.2%		
718(01) FERTILIZER	POUND	0	3,195.0000 .4000	.0000 -88.6%		
722(01) PROJECT SITE LABORATORY	EACH	2	1.0000 10,000.0000	.8500 -15.0%		
725(01) TEMPORARY DETOUR ROADS	LINEAR FOOT	1	460.0000 150.0000	330.0000 -4.4%		
726(01) BEDDING MATERIAL	CUBIC YARD	1	450.6000 42.0000	528.5000 +9.0%		
727(01) MOBILIZATION	LUMP SUM	2	1.0000 1175,000.00	1.0000 +.0%		
729(01) SIGN (TYPE A)	SQUARE FOOT	1	265.2000 30.0000	37.2000 -65.5%		
729(04) SIGN (TYPE D)	SQUARE FOOT	1	237.5000 32.0000	100.0000 -79.2%		
729(05) SIGN (TYPE E)	SQUARE FOOT	1	115.0000 35.0000	.0000 -100.0%		
729(06) SIGN (OVERHEAD MOUNTED)	SQUARE FOOT	1	1,006.6000 38.0000	36.0000 -98.7%		
729(08)(B) MOUNTING (3 1/2")	EACH	2	8.0000 1,000.0000	.0000 -100.0%		
729(08)(F) MOUNTING (W6 X 12)	EACH	2	2.0000 1,500.0000	.0000 -100.0%		
729(08)(H) MOUNTING (W8 X 24)	EACH	2	2.0000 2,500.0000	.0000 -100.0%		
729(09) MOUNTING (OVERHEAD TRUSS)(GROU	EACH	2	1.0000 60,000.0000	.0000 -100.0%		
729(11) MOUNTING (OVERHEAD CANTILEVER)	EACH	2	2.0000 30,000.0000	.0000 -66.6%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
729(20)(A) FOOTINGS FOR OVERHEAD MOUNTING	EACH	2	2.0000 8,500.0000	2.0000 -50.0%		
729(20)(B) FOOTINGS FOR OVERHEAD MOUNTING	EACH	2	2.0000 7,500.0000	1.5000 -16.6%		
730(01) TRENCHING AND BACKFILLING	LINEAR FOOT	1	7,500.0000 3.0000	6,324.6000 -25.7%		
730(02)(A) CONDUIT WITH CONDUCTORS (1" RI	LINEAR FOOT	1	2,430.0000 11.0000	1,459.2000 -38.7%		
730(02)(B) CONDUIT WITH CONDUCTORS (1" PV	LINEAR FOOT	1	7,950.0000 3.5000	7,976.6000 -1.9%		
730(04) JACKED OR BORED CASING (4" SCH	LINEAR FOOT	1	250.0000 26.0000	156.0000 -51.1%		
730(05)(A) LIGHT POLE (SINGLE ARM, STRUCT	EACH	2	11.0000 1,600.0000	4.0000 -52.0%		
730(05)(C) LIGHT POLE (SINGLE ARM, GROUND	EACH	2	5.0000 2,600.0000	5.0000 +22.2%		
730(05)(D) LIGHT POLE (TWIN ARM, GROUND M	EACH	2	13.0000 3,000.0000	13.0000 +.0%		
730(07)(A) LUMINAIRE (TYPE A, 250 WATTS H	EACH	2	42.0000 350.0000	35.0000 -15.7%		
730(07)(B) LUMINAIRE (TYPE C, 150 WATTS H	EACH	2	5.0000 550.0000	.0000 -100.0%		
730(08) ELECTRICAL SERVICE POINT (LIGH	EACH	2	1.0000 7,000.0000	1.0000 +.0%		
731(01) NONREFLECTORIZED RAISED PAVEME	EACH	2	628.0000 18.0000	48.0000 -90.3%		
731(02) REFLECTORIZED RAISED PAVEMENT	EACH	2	735.0000 13.0000	36.0000 -79.9%		
732(01)(C) PLASTIC PAVEMENT STRIPING (8"	LINEAR FOOT	1	1,140.0000 2.5000	125.0000 -73.4%		
732(01)(E) PLASTIC PAVEMENT STRIPING (24"	LINEAR FOOT	1	1,898.0000 8.0000	.0000 -80.1%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
732(02)(A) PLASTIC PAVEMENT STRIPING (SOL)	MILE	3	4.6840 4,500.0000	.2470 -88.0%		
732(03)(A)(1) PLASTIC PAVEMENT STRIPING (BRO)	MILE	3	3.1450 6,500.0000	.2350 -94.1%		
732(05) REMOVAL OF EXISTING MARKINGS	MILE	3	14.9350 2,700.0000	8.7020 -37.2%		
733(01)(A) CONCRETE ROADWAY BARRIER (32"	LINEAR FOOT	1	3,545.0000 130.0000	3,544.2000 +.0%		
733(01)(B) CONCRETE ROADWAY BARRIER (32"	LINEAR FOOT	1	.0000 40.0000	.0000 -10.2%		
742(01) SANITARY SEWER PIPE (18")	LINEAR FOOT	1	103.0000 143.0000	.0000 -100.0%		
802(02) STRUCTURAL EXCAVATION FOR INTE	CUBIC YARD	2	3,395.8500 25.0000	2,712.4400 -13.2%		
803(04) STEEL SHEET PILE WALL (PS31)	SQUARE FOOT	1	2,830.5000 20.5000	733.8000 -63.2%		
804(01)(B) PRECAST CONCRETE PILES (14"	LINEAR FOOT	1	28,785.0000 18.0000	22,305.0000 -36.8%		
804(01)(C) PRECAST CONCRETE PILES (16"	LINEAR FOOT	1	6,749.0000 22.2500	5,753.0000 -31.0%		
804(04)(J) STEEL BEARING PILES (HP 12X84)	LINEAR FOOT	1	5,632.0000 26.0000	3,133.0000 -22.9%		
804(07) PRECAST CONCRETE TEST PILES	EACH	2	2.0000 14,000.0000	2.0000 +.0%		
804(12) LOADING TEST PILES	EACH	2	2.0000 9,500.0000	2.0000 +.0%		
804(13) RELOADING TEST PILES	EACH	2	1.0000 500.0000	.0000 -100.0%		
804(14) REDRIVING TEST PILES	EACH	2	1.0000 500.0000	.0000 -100.0%		
804(15) LOADING PERMANENT PILES	EACH	2	1.0000 750.0000	.0000 -100.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
805(01)(C) CLASS A CONCRETE (RETAINING WA	CUBIC YARD	2	11.4500 750.0000	16.3600 -38.2%		
805(01)(D) CLASS A CONCRETE (FOOTINGS)	CUBIC YARD	2	1,035.8700 200.0000	821.5700 -29.1%		
805(01)(F) CLASS A CONCRETE (BENTS)	CUBIC YARD	2	1,335.0200 400.0000	903.0700 -40.2%		
805(03) CLASS AA CONCRETE	CUBIC YARD	2	3,368.0500 300.0000	2,352.3000 -41.0%		
805(03)(X) CLASS AA CONCRETE AT 98% PAY	CUBIC YARD	2	6.1300 294.0000	6.1300 +.0%		
805(08)(C) PRECAST-PRESTRESSED CONCRETE G	LINEAR FOOT	1	9,197.9000 60.0000	9,203.9000 -33.9%		
805(11) STRIP SEAL JOINTS	LINEAR FOOT	1	1,014.3200 60.0000	735.9000 -32.1%		
806(01) DEFORMED REINFORCING STEEL	POUND	0	1611,918.00 .4000	1232,359.00 -39.7%		
807(06) STRUCTURAL METALWORK	LUMP SUM	2	1.0000 20,000.0000	1.0000 -26.0%		
810(01)(A) CONCRETE RAILING (32" BARRIER)	LINEAR FOOT	1	3,216.7800 20.0000	1,333.0000 -51.2%		
812(01) UNTREATED TIMBER	MFBM	3	27.3600 750.0000	30.6560 +3.3%		
813(01) CONCRETE APPROACH SLABS	SQUARE YARD	1	639.6900 80.0000	639.7000 -33.9%		
S-001 CONSTRUCTION LAYOUT	LUMP SUM	2	1.0000 350,000.0000	.8500 -15.0%		
S-002 TEMPORARY CONSTRUCTION ENTRANC	EACH	2	2.0000 4,000.0000	3.0000 +.0%		
S-003 GROUND IN RUMBLE STRIPS	MILE	3	2.9000 3,500.0000	.0000 -100.0%		
S-004 GEOTEXTILE FABRIC	SQUARE YARD	1	26,258.0000 1.0000	23,334.2000 -12.8%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
S-005 I-10 WESTBOUND CLOSURE	LUMP SUM	2	1.0000 50,000.0000	.6000 -40.0%		
S-007 CLEANING EXISTING CULVERTS	LINEAR FOOT	1	10,520.0000 5.6000	2,289.0000 -84.3%		
S-008 POLICE DETAIL FOR I-10 WESTBOU	HOUR	1	1,000.0000 30.0000	130.0000 -87.0%		
S-009 TEMPORARY SHEETING	LINEAR FOOT	1	12,721.0000 87.7500	10,205.4000 -18.8%		
S-010 CAST IRON PIPE (8")	LINEAR FOOT	1	514.0000 64.0000	324.0000 -36.9%		
S-101(A) DECK DRAINAGE SYSTEM (TYPE A)	EACH	2	10.0000 2,000.0000	8.0000 -16.6%		
S-101(B) DECK DRAINAGE SYSTEM (TYPE B)	LUMP SUM	2	1.0000 34,000.0000	.2500 -87.5%		
S-102 LIGHT SUPPORT BASE	EACH	2	10.0000 600.0000	2.0000 -47.3%		
S-104 PORTABLE IMPACT ATTENUATORS	EACH	2	7.0000 50,000.0000	4.0000 -54.5%		
S-105 CLEANING AND PAINTING	LUMP SUM	2	1.0000 20,000.0000	.0000 -100.0%		
S-106 IMPACT ATTENUATORS (HEX-FOAM S	EACH	2	5.0000 42,000.0000	.0000 -100.0%		
S-107 TEMPORARY PRECAST BARRIER (DOT	EACH	2	520.0000 200.0000	618.0000 -.6%		
S-108 TEMPORARY PRECAST BARRIER (15'	EACH	2	192.0000 480.0000	.0000 -100.0%		
S-109 GUARD RAIL END TREATMENT (MELT	EACH	2	7.0000 2,000.0000	3.0000 -66.6%		
S-110 FLOODWALLS	LINEAR FOOT	2	169.7200 450.0000	49.5000 -42.7%		
S-110(A) FLOODWALL GATES	EACH	0	2.0000 13,166.0000	.0000 -100.0%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

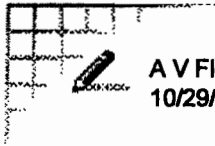
PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
S-111 REMOVAL OF TRUSS & FOOTINGS FO	EACH	2	1.0000 5,000.0000	1.0000 +.0%		
S-112 REMOVAL OF CANTILEVER & FOOTIN	EACH	2	1.0000 4,000.0000	.0000 -50.0%		
S-113 SLAB MODIFICATION FOR NOISE BA	LINEAR FOOT	1	1,521.1000 8.0000	781.1000 -28.3%		
S-114 LONGITUDINAL JOINT REPAIR FOR	LUMP SUM	2	1.0000 6,014.9000	1.0000 +.0%		
S-116 GRAVITY SEWER LINE	LUMP SUM	2	1.0000 57,282.0000	1.0000 +.0%		
S-118 LONGITUDINAL JOINT REPAIR, PHA	LUMP SUM	2	1.0000 4,713.4800	1.0000 +.0%		
S-121 REMOVAL OF 6" DRAIN PIPE	LUMP SUM	2	1.0000 1,600.9300	1.0000 +.0%		
S-125 4" SCHEDULE 80 PVC CONDUIT	LINEAR FOOT	1	150.0000 16.4300	.0000 -74.0%		
S-127 FLEX POST WITH BASE	EACH	2	70.0000 55.0000	85.0000 +21.4%		
S-128 FLEX POST REPLACEMENTS	EACH	2	10.0000 36.0000	10.0000 +.0%		
S-129 ROADWAY REPAIR, PHASE III	LUMP SUM	2	1.0000 15,446.4400	1.0000 +.0%		
S-130 ADAPT ELECTRICAL FEED POINTS	LUMP SUM	2	1.0000 1,560.8800	1.0000 +.0%		
S-131 PONTCHARTRAIN OVERPASS PROTECT	LUMP SUM	2	1.0000 46,278.0500	1.0000 +.0%		
S-132(A) CUT AND SPLICE #5 REBAR	EACH	0	15.0000 27.7600	36.0000 +56.6%		
S-132(B) CUT AND SPLICE #6 REBAR	EACH	0	113.0000 30.6500	5.0000 -97.7%		
S-132(C) CUT AND SPLICE #7 REBAR	EACH	0	52.0000 36.3600	22.0000 -10.5%		

CONTRACT ITEMS FOR STATE PROJECT NO 450-90-0083 FOR ESTIMATE _____
FUNDING: NH-10-5(283)233

PREPARED BY _____

PAY ITEM DESCRIPTION	UNIT MEASURE	PAY DEC	CURRENT QTY / UNIT PRICE	QTY PD TODATE % OVER/UNDER	CURRENT QUANTITY	BOOK & PG
S-132(D) CUT AND SPLICE	EACH #9 REBAR	0	80.0000 55.1500	.0000 -100.0%		
S-133 TEMPORARY IMPACT ATTENUATRO RE	LUMP SUM	2	1.0000 27,979.2000	1.0000 +.0%		

Note: % over/under applies to the sum of partic. and non-p for the item,
and is based on current quantity plus implemented pending plan changes.



A V Flotte
10/29/99 07:51 AM

To: ejld@nternet.com, Alfred.C.Naomi@mvn02.usace.army.mil, Geneva Grille/district02/ladotd/us@ladotd
cc:

Subject: Corps Credit for DOTD work on I10-I610 interchange @ 17th St. Canal

Memo To:

Al Naomi, Proj. Manager, USACE
Glen Bergeron, Pres., EJLD
Steve Spencer, Chief Engr., OLD
Alan Francingues, Ex. Director, EJLD

Attached is preliminary draft of work paid as of October 25, 1999, on subject project. These costs are partial construction contract costs. There are no engineering design, inspection or lab work costs included. Please review and provide comments as to creditibility of items claimed and percentages of credit for each levee district. The DOTD construction estimate worksheet is available in hard copy form.



Corps Credit I10-610 Interchan

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
1a	INDEX SHEET

TOTAL NO. SHEETS WITH CROSS SECTIONS = 41C.
 TOTAL NO. SHEETS WITHOUT CROSS SECTIONS = 39C.

**STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

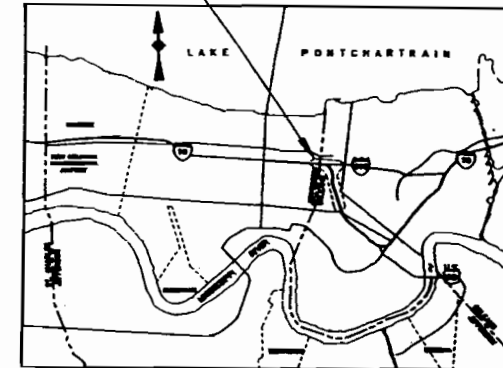
450-15-0092, 450-90-0083 TO 450-34-0060
 NH-10-5(327)231, NH-10-5(283)233 &
 NH-610-5(363)231

NH-10-5(327)231	450-15-0092	JEFFERSON
NH-10-5(283)233	450-90-0083	ORLEANS
NH-610-5(363)231	450-34-0060	ORLEANS

**PLANS OF PROPOSED
 STATE HIGHWAY**

F.A.P. NO. NH-10-5(327)231, NH-10-5(283)233 & NH-610-5(363)231
 STATE PROJECT NO. 450-15-0092, 450-90-0083 & 450-34-0060
I-10 AND I-610 WEST (INTERCHANGE)
 (17th STREET CANAL-SOUTHERN PACIFIC RAILROAD UNDERPASS)

ROUTE I-10
 JEFFERSON AND ORLEANS PARISH



VICINITY MAP

C.S. LOG MILE 230.731
 I-10 WB. STA. 490 + 00.00
 I-610 EB. STA. 490 + 00.00
 BEGIN S.P. 450-15-0092
 BEGIN F.A.P. NH-10-5(327)231

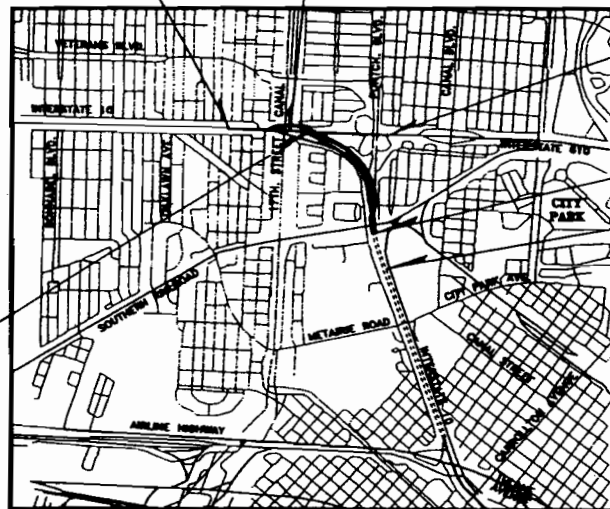
C.S. LOG MILE 230.850
 I-10 WB. STA. 506 + 18.47
 C.S. LOG MILE 0.000
 I-610 EB. STA. 506 + 26.27
 BEGIN S.P. 450-90-0083 & F.A.P. NH-10-5(283)233
 END S.P. 450-15-0092 & F.A.P. NH-10-5(327)231

C.S. LOG MILE 0.494
 END S.P. 450-34-0060
 F.A.P. NH-610-5(363)231
 I-610 EB. STA. 532 + 36.15

C.S. LOG MILE 231.762
 I-10 WB. STA. 554 + 00.53
 I-10 EB. STA. 553 + 00.00
 END S.P. 450-90-0083
 END F.A.P. NH-10-5(283)233

S.P. 450-90-0103
 (BY OTHERS)

C.S. LOG MILE 0.080
 I-610 EB. STA. 510 + 47.68
 BEGIN S.P. 450-34-0060 & F.A.P. NH-610-5(363)231

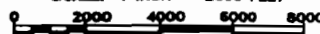


DATUM USED: M.S.L.
 MAG. VAR.:
 BEARINGS ARE: GRID
 TRANSIT BOOKS : 162-207, 162-208,
 162-209, 165-841
 LEVEL BOOKS : 162-083, 162-084,
 162-085, 162-086,
 162-359, 162-360

SCALES:
 PLAN: 1" = 40'
 PROFILE: HOR. 1" = 40'
 VERT. 1" = 4'

LAYOUT MAP

SCALE: 1-INCH = 2000 FEET



TRAFFIC DATA :

2016 ADT	=	175,700
1996 ADT	=	144,000
K	=	10
D	=	60
T	=	8

DESIGN SPEED :

EXPRESSWAY	50 MPH
RAMPS	25 MPH

SCHEDULE OF REVISIONS

NO.	DATE	BY	REVISION	DATE	APPROVED
1	7-25-94	N.R.L.	ADD	7-25-94	[Signature]
2	8-16-94	[Signature]	ADD	8-16-94	[Signature]
3	9-12-94	[Signature]	ADD	9-12-94	[Signature]
4	10-11-94	[Signature]	ADD	10-11-94	[Signature]
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27	9-15-96	[Signature]	ADD	9-15-96	[Signature]
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29	11-15-96	[Signature]	ADD	11-15-96	[Signature]
30	12-15-96	[Signature]	ADD	12-15-96	[Signature]

TYPE OF CONSTRUCTION:

ROADWAY : GRADING, BASE COURSE, DRAINAGE STRUCTURES, PORTLAND CEMENT CONCRETE PAVEMENT (14" THICK), ASPHALTIC CONCRETE PAVEMENT, SIGNING, PAVEMENT MARKING AND ROADWAY LIGHTING.
BRIDGES : PRECAST PRESTRESSED CONCRETE GIRDERS, STEEL GIRDERS, CONCRETE SLAB.

NOTE: THE 1992 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES AS AMENDED BY THE PROJECT SPECIFICATIONS SHALL GOVERN ON THIS PROJECT.

LENGTH OF PROJECT

DESCRIPTION	ALGEBRAIC SUM OF ALL EQUATIONS	GROSS LENGTH	EXCEPTION	BRIDGE LENGTH	ROADWAY LENGTH	
					FEET	MILES
STA. TO STA.	FEET	FEET	FEET	FEET	MILES	MILES
STATE PROJECT NO. 450-15-0092						
I-10 WB. 490+00.00 TO 506+18.47	1,618.47			333.00	0.063	1,285.47
STATE PROJECT NO. 450-34-0060						
I-610 EB. 510+47.68 TO 532+36.15	2,188.47			1,128.96	0.214	1,059.51
STATE PROJECT NO. 450-90-0083						
I-10 WB. 506+18.47 TO 554+00.53	+8.25	4,782.31		548.49	0.104	4,233.82
I-10 EB. 510+41.50 TO 553+00.00	-19.07	4,259.43		873.50	0.128	3,385.93
TOTAL LENGTH OF BRIDGES (PROJECT 450-15-0092)				330.00	0.063	
TOTAL LENGTH OF ROADWAY (PROJECT 450-15-0092)						1,285.47
TOTAL LENGTH OF BRIDGES (PROJECT 450-15-0083)				1,219.99	0.232	
TOTAL LENGTH OF ROADWAY (PROJECT 450-90-0083)						7,801.73
TOTAL LENGTH OF BRIDGES (PROJECT 450-34-0060)				1,128.96	0.214	
TOTAL LENGTH OF ROADWAY (PROJECT 450-34-0060)						1,059.51
TOTAL MILES (ALL PROJECTS)					0.508	1.832



PLANS PREPARED BY AND RECOMMENDED FOR APPROVAL
 Michael G. Jackson
 REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
 DATE: 10-9-94

APPROVED
 [Signature]
 DATE: 1-8-95

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	1A
10-5(283)233	450-90-0083	ORLEANS	

SHEET NO.	TITLE
ROADWAY PLANS	
1	TITLE SHEET
1A	INDEX SHEET (REPLACES SHEET 1a)
1b	PROJECT LOCATION LAYOUT
1c - 1d	GEOMETRIC CONTROL LAYOUT
2 - 2f	TYPICAL ROADWAY SECTIONS
3 - 3d	SUMMARY OF QUANTITIES
PLAN-PROFILE	
4 - 8	I-610 EB
9 - 12a	I-10 EB
13 - 18a	I-10 WB (INCLUDING SHEET 14A) (SHEET 19 - 20 NOT USED)
DRAINAGE	
21 - 22	EXISTING UTILITY & DRAINAGE MAP
23 - 24	DESIGN DRAINAGE MAP
25 - 26	DRAINAGE CALCULATIONS SUMMARY
27	SUB-SURFACE PIPE PROFILE
28 - 29	SUMMARY OF DRAINAGE STRUCTURES
30	BEDDING & TRENCH DETAILS FOR CULVERTS, STORM DRAINS & CATCH BASIN
31	CAST-IN-PLACE REVETMENT DETAILS (SHEET 32 - 40 NOT USED)
GEOMETRICS	
41	CURVE DATA SHEET
42 - 43	GEOMETRIC LAYOUT
44 - 46	RAMP TERMINAL DETAILS
47	CONCRETE PAVING DETAILS BETWEEN ROADWAY BARRIERS (SHEET 48 NOT USED)
49	DETOUR ROAD DETAILS (SHEET 50 - 54 NOT USED)
MISCELLANEOUS ROADWAY PLANS	
55 - 56	EXISTING SIGN REMOVALS
57 - 58	PERMANENT SIGNING PLAN (SHEET 59 NOT USED)
60 - 61	SIGN SUMMARY (SHEET 62 NOT USED)
63	TYPE II OVERHEAD TRUSS SUPPORT MEDIUM BARRIER DETAILS
64, 64a-64i	MISCELLANEOUS SIGN DETAILS (SHEET 64 (i) AND 64(a) NOT USED)
65 - 69	PAYEMENT MARKING
70	GUARDRAIL LOCATION LAYOUT
71 - 88	CONSTRUCTION SEQUENCE & MINIMUM SIGNING
89	I-10 WB. CLOSURE DETAILS DURING CONSTRUCTION (SHEET 90 NOT USED)
91 - 99	ELECTRICAL DETAILS

SHEET NO.	TITLE
BRIDGE PLANS	
101	GENERAL NOTES
102A	SUMMARY OF BRIDGE QUANTITIES (REPLACES SHEET 102)
I-610 EB. OVER 17 STREET CANAL	
103 - 106	GENERAL BRIDGE PLANS
107 - 112	FOUNDATION LAYOUT
113	SUPERELEVATION DETAILS (SHEET 114 NOT USED)
115 - 118	APPROACH SLAB DETAILS
119 - 179	BENT DETAILS (SHEETS 121, 154 & 155 NOT USED)
180 - 181	FRAMING PLANS
182 - 184	P.P.C. GIRDER SCHEDULES
185 - 200a	STEEL GIRDER DETAILS
201 - 224	SLAB DETAILS 214
225 - 226	CURTAIN WALL DETAILS (SHEET 227 - 234 NOT USED) I-10 EB.
235 - 236	GENERAL BRIDGE PLANS
237 - 238	FOUNDATION LAYOUT (SHEET 239 NOT USED)
240 - 241	APPROACH SLAB DETAILS (SHEET 242 - 244 NOT USED)
245 - 262	BENT DETAILS (SHEET 263 - 270 NOT USED)
271	FRAMING PLANS
272 - 273	P.P.C. GIRDER SCHEDULES (SHEET 274 NOT USED)
275 - 280	SLAB DETAILS
281 - 282	APPROACH SLAB CURTAIN WALL DETAILS (SHEET 283 - 300 NOT USED) I-10 WB. OVER 17 STREET CANAL
301 - 302	GENERAL BRIDGE PLANS
303 - 303a	FOUNDATION LAYOUT
304	SUPERELEVATION DETAILS (SHEET 305 NOT USED)
306 - 309	APPROACH SLAB DETAILS (SHEET 310 NOT USED)
311 - 331	BENT DETAILS (SHEETS 313, & 319 NOT USED) (SHEET 332 - 334 NOT USED)
335	FRAMING PLANS
336	P.P.C. GIRDER SCHEDULES
337 - 338	STEEL GIRDER DETAILS (SHEET 339 - 340 NOT USED)
341 - 350	SLAB DETAILS (INCLUDING SHEET 342a) (SHEET 351 - 354 NOT USED) MISCELLANEOUS BRIDGE PLANS
355	MISCELLANEOUS CURTAIN WALL DETAILS
356	SLAB MODIFICATION FOR NOISE BARRIER
357	LIGHT SUPPORT DETAILS
358	STRUCTURE REMOVAL DETAILS
359	SIGN SUPPORT DETAILS
360	OVERHEAD CANTILEVER SIGN SUPPORT DETAILS
361	TYPICAL BENT DRAINAGE DETAILS (SHEET 362 - 366 NOT USED)
367 - 368a	CONCRETE RAILING DETAILS
369 - 370	TEMPORARY BARRIER DETAILS
371 - 373	MISCELLANEOUS SPAN & GIRDER DETAILS
374	P.P.C. GIRDER DETAILS
375	DECK DRAINAGE DETAILS
376-377a	STRIP SEAL JOINT DETAILS
377b	FINGER JOINT DETAILS AT BENT 18

SHEET NO.	TITLE
378	IMPACT ATTENUATOR DETAILS
379 - 386f	FLOODWALL DETAILS
387 - 388	17th STREET CANAL "AS BUILT" PLAN
STANDARD DRAWING	
401	BR-01-(1) BARRIER RAILING DETAILS
402	CB-01 BRICK AND/OR CONCRETE OPEN TOP CATCH BASIN
403	CB-06 BRICK AND/OR CONCRETE CURB OPENING CATCH BASIN
404 - 406	CP-01-(3) PORTLAND CEMENT CONCRETE PAVEMENT DETAILS
407	CM-49-(1) EXPANSION & CONSTRUCTION JOINTS FOR R.C. BOX CULVERTS
408	CM-97-(1) YEAR PLATE
409	CS-216-(1) PRECAST PRESTRESSED CONCRETE PILES
410	FN-03-(1) CHAIN LINK FENCE (5' HIGH) CONTROL OF ACCESS
410a	FR-01 FLEXIBLE REVETMENT AND RIPRAP
411	GR-100-(1) GUARDRAIL CONNECTIONS AT BRIDGE ENDS
412	GR-101-(1) GUARDRAIL CONNECTIONS AT BRIDGE ENDS
413 - 422	GR-200-(10) HIGHWAY GUARDRAILS
423 - 430	GR-201-(8) HIGHWAY GUARDRAILS
431	GR-202-(1) HIGHWAY GUARDRAILS
432 - 434	HS-01-(3) CONSTRUCTION SIGNS AND BARRICADES
435 - 439	MC-01 GRATES, FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES
440 - 441	PM-01-(2) REFLECTORIZED TRAFFIC MARKERS AND PASTED STRIPING
442 - 444	PM-02-(3) REFLECTORIZED TRAFFIC MARKERS AND PLASTIC STRIPING
445	R-CB-11 MOD. REINFORCED CONCRETE MANHOLE (36" MAX. PIPE)
446	RS-31-(1) DELINEATORS, MILEPOSTS AND HAZARD MARKERS
447	SWBS-100-(1) STEEL WIRE BAR SUPPORTS
448	EC-01 TEMPORARY CONSTRUCTION ENTRANCE
SOIL BORINGS	
501, 502, 502a	PILE DATA SHEET
504	CORE BORINGS & TEST PILES LAYOUT
505 - 507	CORE BORING LOGS
CROSS SECTIONS	
701 - 716	I-10 WB. (SHEET 717 - 730 NOT USED)
731 - 734	I-610 EB.
AS BUILT PLANS	

NOTE: THE FOLLOWING SHEETS HAVE BEEN DELETED: 111, 238, 303a, 303b & 503.
 THE FOLLOWING SHEETS HAVE BEEN ADDED: 356, 376-377a.
 NOTE: THE FOLLOWING SHEETS HAVE BEEN ADDED: 214 & 377b



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

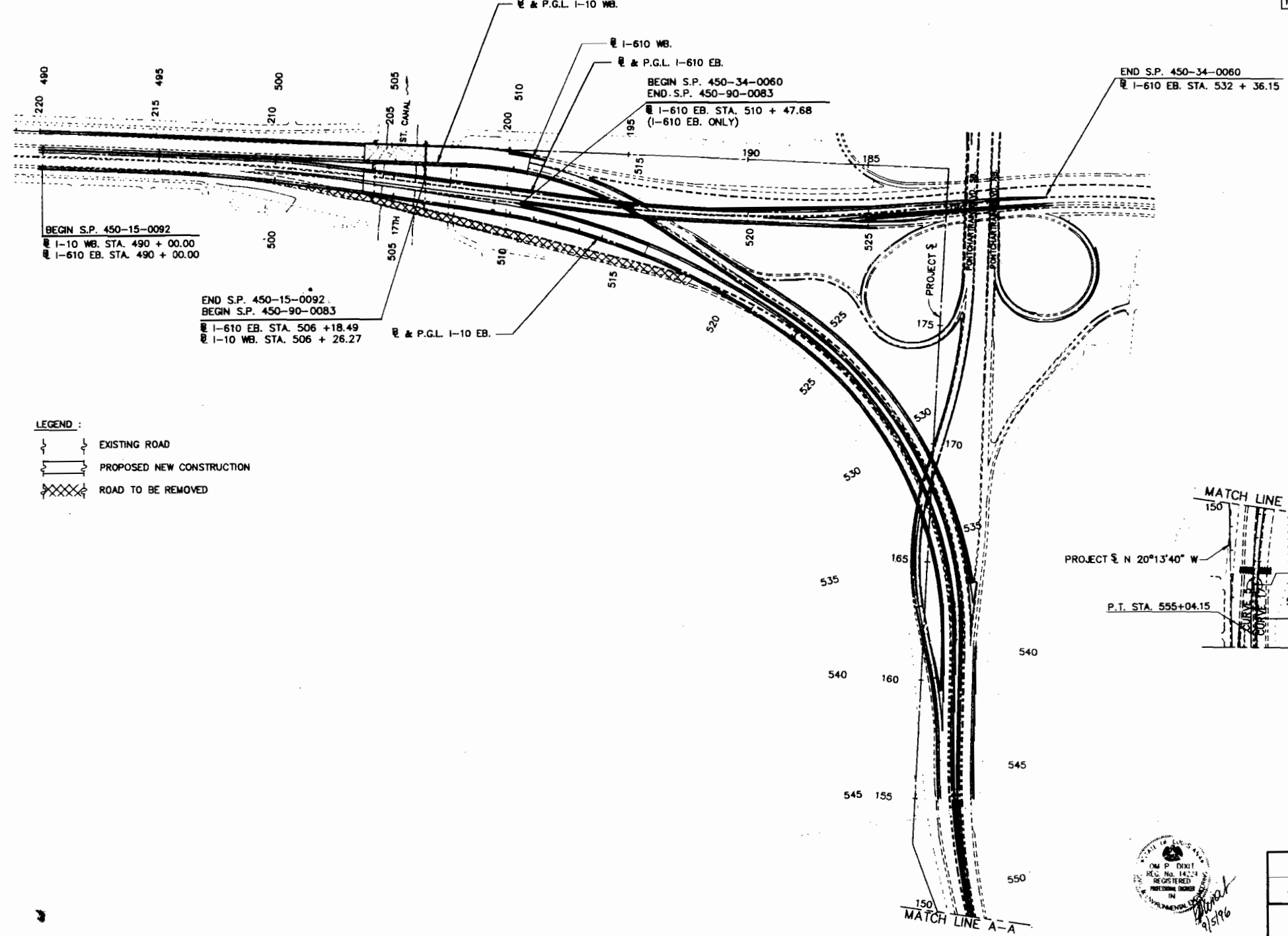
INDEX

Burk-Delapeter, Inc.
Engineers • Planners • Environmental Scientists
 New Orleans, Louisiana

DESIGNED BY	CHECKED BY	DATE
DRAWN BY	SCALE	

SHEET NO. 1 OF 1

THE ENGINEER'S RESPONSIBILITY



SCALE: 1" = 200'

BEGIN S.P. 450-15-0092
 I-10 WB. STA. 490 + 00.00
 I-610 EB. STA. 490 + 00.00

END S.P. 450-15-0092
 BEGIN S.P. 450-90-0083
 I-610 EB. STA. 506 + 18.49
 I-10 WB. STA. 506 + 26.27

BEGIN S.P. 450-34-0060
 END S.P. 450-90-0083
 I-610 EB. STA. 510 + 47.68
 (I-610 EB. ONLY)

END S.P. 450-34-0060
 I-610 EB. STA. 532 + 36.15

- LEGEND :**
- EXISTING ROAD
 - PROPOSED NEW CONSTRUCTION
 - ROAD TO BE REMOVED

MATCH LINE A-A
 PROJECT $\frac{1}{4}$ N 20°13'40" W
 P.T. STA. 555+04.15
 END S.P. 450-90-0083
 I-10 WB. STA. 554 + 00.53
 I-10 EB. STA. 553 + 00.00
 555
 P.T. STA. 555 + 42.56
 S.P. 450-90-0103
 WORK TO BE DONE
 (BY OTHERS)



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
PROJECT LOCATION LAYOUT

Burk-Klempeter, Inc.
 Engineers, Architects, Planners, Environmental Scientists
 New Orleans, Louisiana

DATE	DESCRIPTION	BY	DESIGNED: R. ODEPIN	DETAILED: B.L./B.A.	DATE: JUNE '96
	REVISIONS		CHECKED: S. L. BISH	CHECKED: G. P. DIXIT	SCALE: AS SHOWN
			SHEET NO. 1 OF 1		

FAP	STATE PROJECT	PARISH	SHEET NO.
DPS-NH-10-5 (327) 231	450-15-0092	JEFFERSON	3b
NH-610-5 (363) 231	450-34-0060	ORLEANS	
NH-10-5 (283) 233	450-90-0083	ORLEANS	

SUMMARY OF ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY			QUANTITY TOTAL
			450-15-0092 DPS-NH-10-5 (327) 231	450-34-0060 NH-610-5 (363) 231	450-90-0083 NH-10-5 (283) 233	
201 (01)	CLEARING & GRUBBING	LUMP	25%	25%	50%	LUMP
202 (01)	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LUMP	25%	25%	50%	LUMP
0 202 (02) (A) (1)	REMOVAL OF BRIDGES (EXISTING I-10 WESTBOUND BRIDGE)	Lump	30%		70%	LUMP
202 (02) (A) (2)	REMOVAL OF BRIDGES (EXISTING I-610 EASTBOUND BRIDGE)	LUMP	15%	20%	65%	LUMP
202 (02) (A) (3)	REMOVAL OF BRIDGES (EXISTING I-10 EASTBOUND BRIDGE)	LUMP	30%		70%	LUMP
202 (02) (C)	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	SD YD	9,519.6			9,519.6
202 (02) (G)	REMOVAL OF SURFACING & STABILIZED BASE	SD YD		730.8	14,665.1	15,395.9
202 (02) (H)	REMOVAL OF GUARD RAIL	LN FT	520	1,278	2,025	3,823
202 (02) (J)	REMOVAL OF EXISTING SIGN FACES	EACH	4	10	12	26
202 (02) (K)	REMOVAL OF CATCH BASINS	EACH	9	2	9	20
202 (02) (L)	REMOVAL OF EXISTING SIGNS AND SUPPORTS	EACH	5		2	7
202 (02) (M)	REMOVAL OF LIGHTS	EACH	17	4	36	57
202 (02) (O)	REMOVAL OF MANHOLES	EACH			6	6
0 203 (01)	GENERAL EXCAVATION	CU YD	17,084	4,506	33,792	55,382
0 203 (05)	NONPLASTIC EMBANKMENT	CU YD	12,074	2,355	28,532	42,961
203 (06)	EXCAVATION & EMBANKMENT	LUMP			100%	LUMP
302 (02) (A)	CLASS II BASE COURSE (4" THICK)	SD YD		3,511.2	26,258.4	29,769.6
302 (02) (B)	CLASS II BASE COURSE (8" THICK)	SD YD	15,434.5			15,434.5
302 (02) (C)	CLASS II BASE COURSE (12" THICK)	SD YD		3,746.7	28,045.6	31,792.3
0 501 (01)	ASPHALTIC CONCRETE	TON	3,357.9	1,754.1	12,291.1	17,403.1
0 501 (01) (B)	ASPHALTIC CONCRETE (TYPE OF WEARING COURSE)	TON	1,714.6	539.1	3,773.8	6,027.5
509 (01)	COLD PLANING ASPHALTIC PAVEMENT	SD YD	11,143	3,396	21,505	36,044
601 (01) (S)	PORTLAND CEMENT CONCRETE PAVEMENT (14" THICK)	SD YD	14,827.3			14,827.3
0 701 (03) (F)	STORM DRAIN PIPE (15" RCP/PCP)	LN FT	110		520	630
701 (03) (G)	STORM DRAIN PIPE (18" RCP/PCP)	LN FT	385	400	203	988
701 (03) (I)	STORM DRAIN PIPE (24" RCP/PCP)	LN FT		158	642	800
701 (03) (K)	STORM DRAIN PIPE (30" RCP/PCP)	LN FT		282		288
701 (03) (M)	STORM DRAIN PIPE (36" RCP/PCP)	LN FT			312	312
702 (02) (C)	MANHOLES (R-CB-11 MOD)	EACH	1			1
702 (03) (A)	CATCH BASINS (CB-01)	EACH	12	7	20	39
702 (03) (C)	CATCH BASINS (CB-05)	EACH			1	1
702 (04) (A)	ADJUSTING MANHOLES	EACH			1	1
702 (04) (B)	ADJUSTING CATCH BASINS	EACH	1	2	5	8
704 (01) (A)	GUARD RAIL (DOUBLE THRIE BEAM) (3'-1 1/2" POST SPACING)	LN FT			643.8	643.8
704 (03)	BLOCKED OUT GUARD RAIL	LN FT	293.8	1,781.3	568.8	2,643.9
704 (06)	GUARD RAIL ANCHOR SECTIONS (TRAILING END)	LN FT	6.3	18.8	37.5	62.6
704 (0B) (A)	GUARD RAIL TRANSITIONS (DOUBLE THRIE BEAM)	LN FT	25.0		50.0	75.0
0 706 (03) (A)	INCIDENTAL CONCRETE PAVING (4" THICK)	SD YD	616.6		9,735.4	10,352.0
707 (03) (A)	COMBINATION CONCRETE CURB & GUTTER (4" BARRIER)	LN FT			206.0	206.0
0 712 (01)	CONCRETE CAST-IN-PLACE REVEYMENT (4" THICK)	SD YD			2,210	2,210
713 (01)	TEMPORARY SIGNS & BARRICADES	LUMP	10%	20%	70%	LUMP
0 713 (03) (C)	TEMPORARY PAVEMENT MARKINGS (8" WIDTH)	LN FT	1,457	740	5,844	8,041
713 (03) (E)	TEMPORARY PAVEMENT MARKINGS (24" WIDTH)	LN FT	1,111	540	1,977	3,628
713 (04) (B)	TEMPORARY PAVEMENT MARKINGS (BROKEN LINE) (4" WIDTH) (10' LENGTH)	MILE	4.008	0.663	4.869	9.540
713 (05) (A)	TEMPORARY PAVEMENT MARKINGS (SOLID LINE) (4" WIDTH)	MILE	3.700	0.994	9.904	14.598

* INCLUDES 30,199 CU. YD. FOR THE REMOVAL AND GRADING TO DRAIN OF THE EXISTING I-10 (EASTBOUND) EMBANKMENT.

SUMMARY OF ESTIMATED QUANTITIES

DATED 08/14/97 10:50:18

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT

DATE	DESCRIPTION	BY	DESIGNED	Detailed
08/13/97	CHANGED ITEM NO. 1	DOTD		
03/10/97	REVISED QUANTITIES	DOTD		
	REVISIONS		CHECKED	CHECKED

FAP	STATE PROJECT	PARISH	SHEET NO.
DPS-NH-10-5 (327) 231	450-15-0092	JEFFERSON	
NH-610-5 (363) 231	450-34-0060	ORLEANS	3c
NH-10-5 (283) 233	450-90-0083	ORLEANS	

SUMMARY OF ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	450-15-0092	450-34-0060	450-90-0083	QUANTITY TOTAL
			DPS-NH-10-5 (327) 231	NH-610-5 (363) 231	NH-10-5 (283) 233	
742 (01)	SANITARY SEWER PIPE (18")	LN FT			206	206
802 (02)	STRUCTURAL EXCAVATION FOR INTERMEDIATE BENTS	CU YD	260.2	1,072.4	2,595.9	3,928.5
803 (04)	STEEL SHEET PILE WALL (PS31)	SD FT	1,770.7		2,830.5	4,601.2
0 804 (01) (B)	PRECAST CONCRETE PILES (14")	LN FT		13,260	28,785	42,045
0 804 (01) (C)	PRECAST CONCRETE PILES (16")	LN FT		7,540	6,749	14,289
804 (01) (F)	PRECAST CONCRETE PILES (24")	LN FT	7,973			7,973
804 (03) (A)	TREATED TIMBER PILES (NONCOASTAL TREATMENT)	LN FT		1,885		1,885
804 (04) (J)	STEEL BEARING PILES (HP 12X84)	LN FT	5,250		5,632	10,882
804 (07)	PRECAST CONCRETE TEST PILES	EACH		2	2	4
804 (09)	STEEL BEARING TEST PILES	EACH	1			1
804 (12)	LOADING TEST PILES	EACH	1	2	2	5
804 (13)	RELOADING TEST PILES	EACH			1	1
804 (14)	REDRIVING TEST PILES	EACH			1	1
804 (15)	LOADING PERMANENT PILES	EACH			1	1
805 (01) (C)	CLASS A CONCRETE (RETAINING WALLS)	CU YD		65.62	11.45	77.07
805 (01) (D)	CLASS A CONCRETE (FOOTINGS)	CU YD		484.21	1,036.87	1,521.08
805 (01) (F)	CLASS A CONCRETE (BENTS)	CU YD	169.95	663.79	1,335.02	2,168.76
805 (02)	CLASS A AND CONCRETE	CU YD		85.52		85.52
805 (03)	CLASS AA CONCRETE	CU YD	4,619.91	1,966.00	3,374.18	9,960.09
805 (08) (C)	PRECAST-PRESTRESSED CONCRETE GIRDERS (TYPE III)	LN FT		3,832.8	15,190.1	19,022.9
0 805 (11)	STRIP SEAL JOINTS	LN FT	183.48	124.92	1,014.32	1,322.72
806 (01)	DEFORMED REINFORCING STEEL	LB	1,307,897	924,382	1,611,868	3,844,147
807 (06)	STRUCTURAL METALWORK	LUMP		99%	1%	LUMP
810 (01) (A)	CONCRETE RAILING (32" BARRIER)	LN FT	387.52	2,265.21	3,216.78	5,869.51
0 810 (01) (B)	CONCRETE RAILING (42" BARRIER)	LN FT	644.53			644.53
0 812 (01)	UNTREATED TIMBER	MFBM	8,747	13,250	27,360	49,357
0 813 (01)	CONCRETE APPROACH SLABS	SQ YD	957.92	349.14	639.69	1,946.75
S-001	CONSTRUCTION LAYOUT	LUMP	10%	20%	70%	LUMP
S-002	TEMPORARY CONSTRUCTION ENTRANCES	EACH	1	1	2	4
0 S-003	GROUND IN RUMBLE STRIPS	MILE	1.0	0.4	2.9	4.3
S-004	GEOTEXTILE FABRIC	SQ YD	15,254	3,511	26,258	45,023
0 S-005	1-10 WESTBOUND CLOSURE	LUMP			100%	LUMP
S-006	CHANNEL IMPROVEMENTS IN 17TH STREET CANAL	LUMP	100%			LUMP
S-007	CLEANING EXISTING CULVERTS	LN FT	2,790	1,270	10,520	14,580
0 S-008	POLICE DETAIL FOR 1-10 WESTBOUND CLOSURE	HOOR			1,000	1,000
0 S-009	TEMPORARY SHEETING	LN FT	4,326	1,959	12,721	19,006
0 S-010	CAST IRON PIPE (8")	LN FT			436	436
0 S-101 (A)	DECK DRAINAGE SYSTEM (TYPE A)	EACH		2	10	12

SUMMARY OF ESTIMATED QUANTITIES

DATED 08/14/97 10:50:18

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT

DATE	DESCRIPTION	BY	DESIGNED	Detailed
08/13/97	CHANGED ITEM NO. 1	DDTD		
03/10/97	REVISED QUANTITIES	DDTD		
	REVISIONS		CHECKED	CHECKED

FAP	STATE PROJECT	PARISH	SHEET NO.
DPS-NH-10-5 (327) 231	450-15-0092	JEFFERSON	3d
NH-610-5 (363) 231	450-34-0060	ORLEANS	
NH-10-5 (283) 233	450-90-0083	ORLEANS	

SUMMARY OF ESTIMATED QUANTITIES

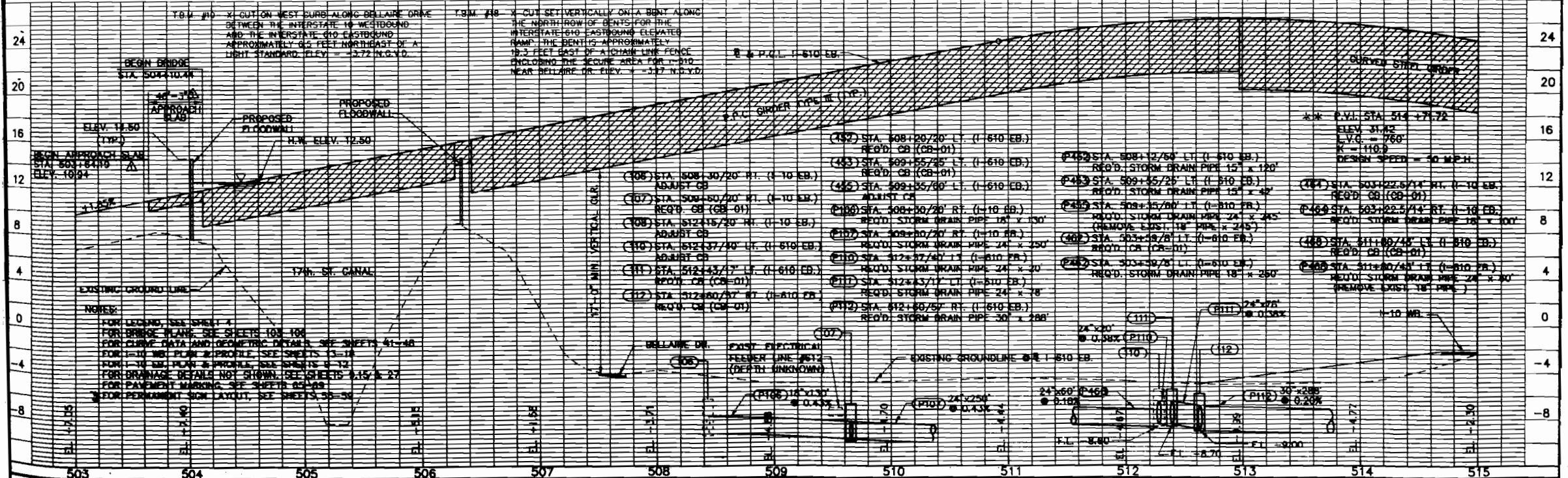
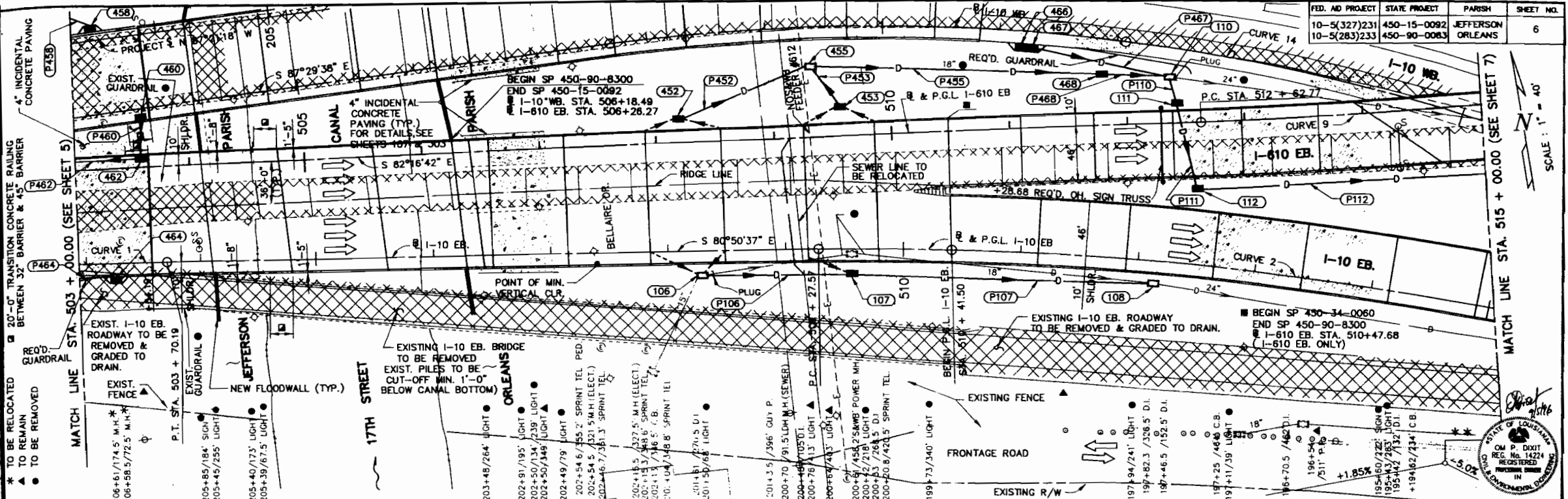
ITEM	DESCRIPTION	UNIT	450-15-0092	450-34-0060	450-90-0083	QUANTITY TOTAL
			DPS-NH-10-5 (327) 231	NH-610-5 (363) 231	NH-10-5 (283) 233	
713 (07)	TEMPORARY REFLECTORIZED RAISED PAVEMENT MARKERS	EACH	731	58	1.012	1.801
0 714 (02)	WATER	MGAL	1	1	5	7
717 (01)	SEEDING	LB	62	28	128	218
718 (01)	FERTILIZER	LB	1.530	697	3.195	5.422
722 (01)	PROJECT SITE LABORATORY	EACH			1	1
0 725 (01)	TEMPORARY DETOUR ROADS	LN FT	1.025.0	625.0	460.0	2.110.0
726 (01)	BEDDING MATERIAL	CU YD	107.4	242.3	450.6	800.3
727 (01)	MOBILIZATION	LUMP	28%	25%	47%	LUMP
729 (01)	SIGN (TYPE A)	SD FT	147.1	170.4	265.2	582.7
729 (04)	SIGN (TYPE D)	SD FT	100.5	143.5	137.5	381.5
729 (05)	SIGN (TYPE E)	SD FT	51.2	68.8	115.0	235.0
729 (06)	SIGN (OVERHEAD MOUNTED)	SD FT	811.0	964.0	970.6	2,745.6
729 (08) (B)	MOUNTING (3 1/2")	EACH	3	5	8	16
729 (08) (C)	MOUNTING (5")	EACH	1			1
729 (08) (F)	MOUNTING (W6 X 12)	EACH		2	2	4
0 729 (08) (F) (1)	MOUNTING (W6 X 12) (ATTENUATOR MOUNTED)	EACH		2		2
729 (08) (G)	MOUNTING (W8 X 18)	EACH		4		4
729 (08) (H)	MOUNTING (W8 X 24)	EACH			2	2
729 (09)	MOUNTING (OVERHEAD TRUSS) (GROUND MOUNTED)	EACH	1	1	1	3
729 (10)	MOUNTING (OVERHEAD TRUSS) (STRUCTURE MOUNTED)	EACH		1		1
729 (11)	MOUNTING (OVERHEAD CANTILEVER) (GROUND MOUNTED)	EACH	1		2	3
729 (13)	MOUNTING (BRIDGE FASCIA MOUNTED)	EACH		2		2
729 (17)	MILEPOST ASSEMBLY (GROUND MOUNTED)	EACH		2		2
729 (20) (A)	FOOTINGS FOR OVERHEAD MOUNTINGS (TYPE A)	EACH	2	2	2	6
729 (20) (B)	FOOTINGS FOR OVERHEAD MOUNTINGS (TYPE B)	EACH	1		2	3
730 (01)	TRENCHING AND BACKFILLING	LN FT	2.100	800	5.800	8.700
730 (02) (A)	CONDUIT WITH CONDUCTORS (1" RIGID ALUMINUM EXP. 3 #8XHHM)	LN FT	700	1.300	2.420	4.420
730 (02) (B)	CONDUIT WITH CONDUCTORS (1" PVC SCH. 40" TRENCH 3 #8XHHM)	LN FT	2.400	850	6.150	9.400
730 (04)	JACKED OR BORED CASING (4" SCH. 80 PVC)	LN FT	300	50	150	500
730 (05) (A)	LIGHT POLE (SINGLE ARM, STRUCTURE MOUNT)	EACH	8	6	11	25
730 (05) (B)	LIGHT POLE (TWIN ARM, STRUCTURE MOUNT)	EACH	5			5
730 (05) (C)	LIGHT POLE (SINGLE ARM, GROUND MOUNT)	EACH	2	2	5	9
730 (05) (D)	LIGHT POLE (TWIN ARM, GROUND MOUNT)	EACH			13	13
730 (07) (A)	LUMINAIRE (TYPE A, 250 WATTS HPS)	EACH	20	8	42	70
730 (07) (B)	LUMINAIRE (TYPE C, 150 WATTS HPS)	EACH		3	5	8
730 (08)	ELECTRICAL SERVICE POINT (LIGHTING CONTROLLERS)	EACH	1	1	1	3
731 (01)	NONREFLECTORIZED RAISED PAVEMENT MARKERS	EACH	186	54	628	868
731 (02)	REFLECTORIZED RAISED PAVEMENT MARKERS	EACH	498	413	735	1.646
0 732 (01) (C)	PLASTIC PAVEMENT STRIPING (8" WIDTH)	LN FT	1.430	1.765	1.140	4.335
0 732 (01) (E)	PLASTIC PAVEMENT STRIPING (24" WIDTH)	LN FT	690	731	1.898	3.319
732 (02) (A)	PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)	MILE	1.227	0.581	4.684	6.492
732 (03) (A) (1)	PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH) (TYPE II PREFORMED)	MILE	1.784	0.827	3.145	5.756
732 (05)	REMOVAL OF EXISTING MARKINGS	MILE	6.144	3.316	14.935	24.395
733 (01) (A)	CONCRETE ROADWAY BARRIER (32" MEDIAN)	LN FT	985.0			985.0
733 (01) (B)	CONCRETE ROADWAY BARRIER (32")	LN FT	760.4	95.0	3.555.0	4.410.4

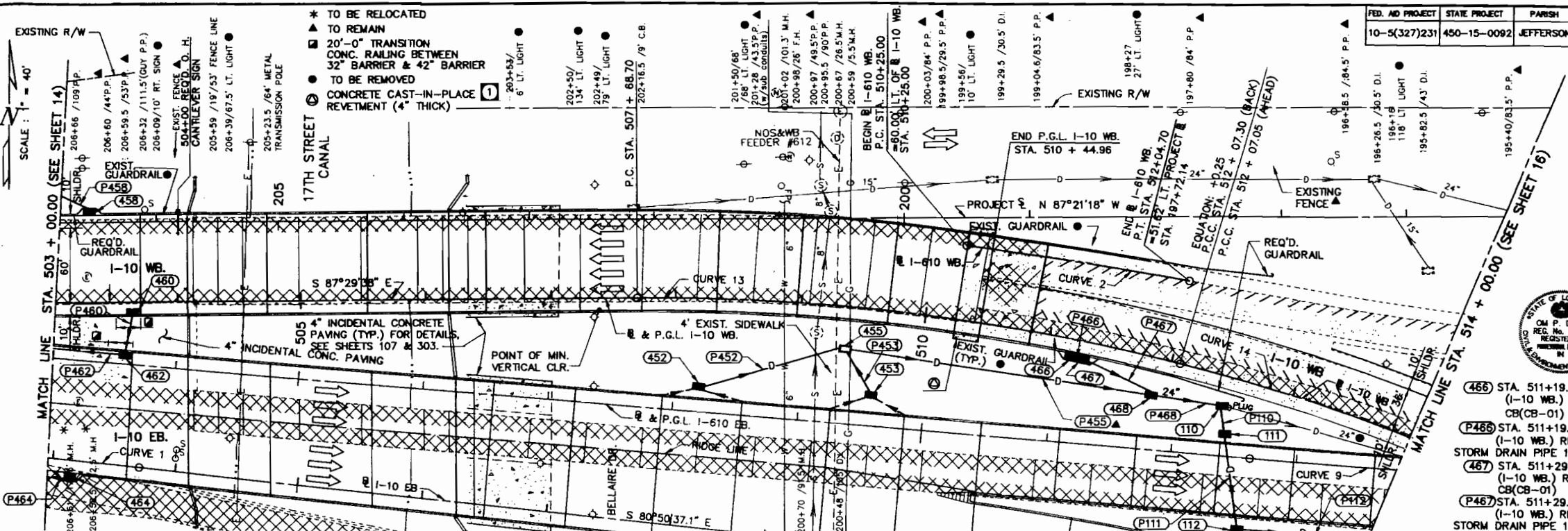
SUMMARY OF ESTIMATED QUANTITIES

DATED 08/14/97 10:50:18

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT

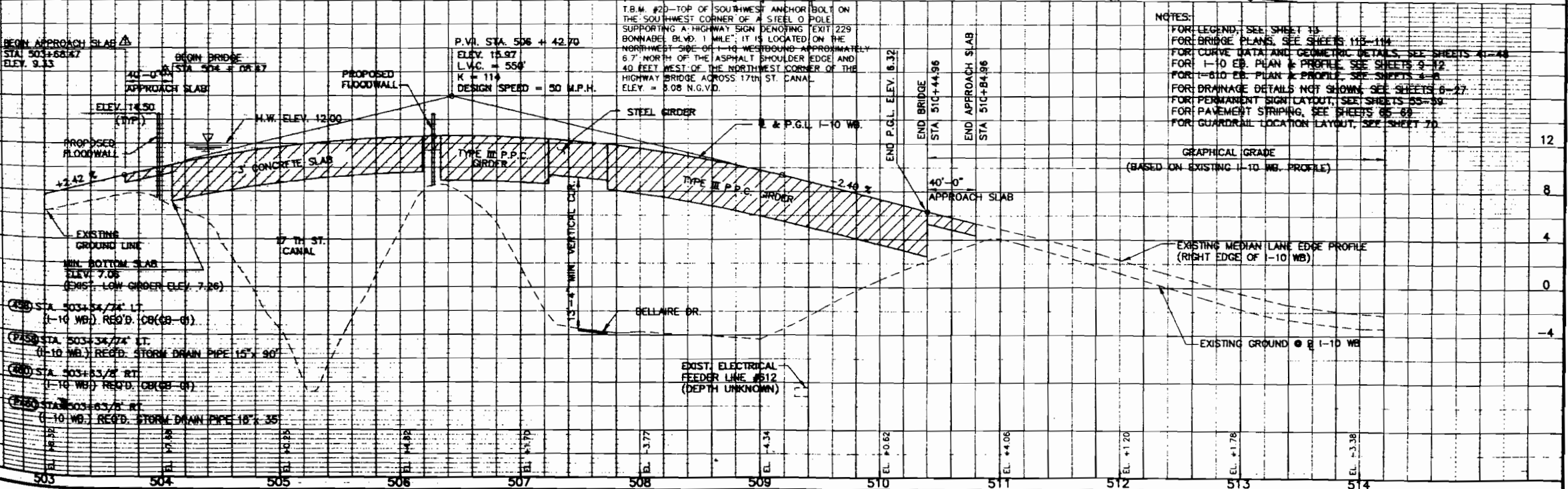
DATE	DESCRIPTION	BY	DESIGNED	DETAILED
08/13/97	CHANGED ITEM NO. 1			
03/10/97	REVISED QUANTITIES			
	REVISIONS		CHECKED	CHECKED





- * TO BE RELOCATED
- ▲ TO REMAIN
- ▴ 20'-0" TRANSITION CONC. RAILING BETWEEN 32" BARRIER & 42" BARRIER
- TO BE REMOVED
- ⊙ CONCRETE CAST-IN-PLACE REVELMENT (4" THICK)

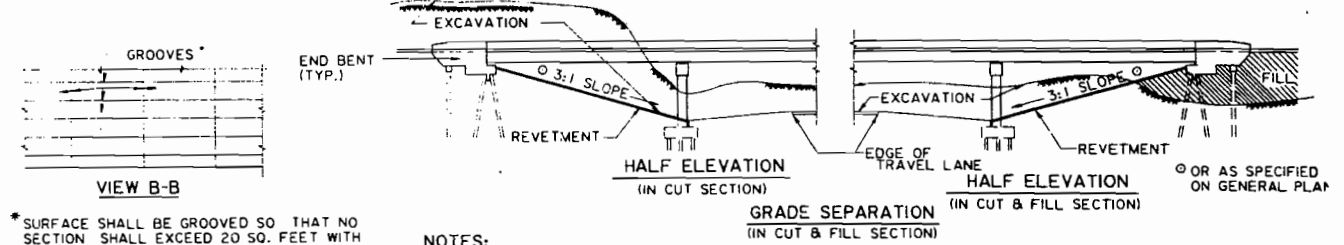
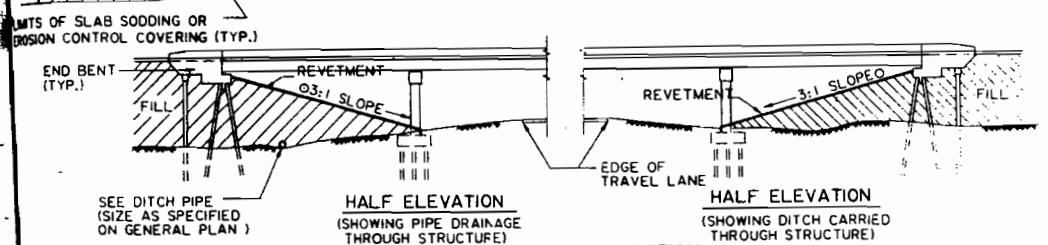
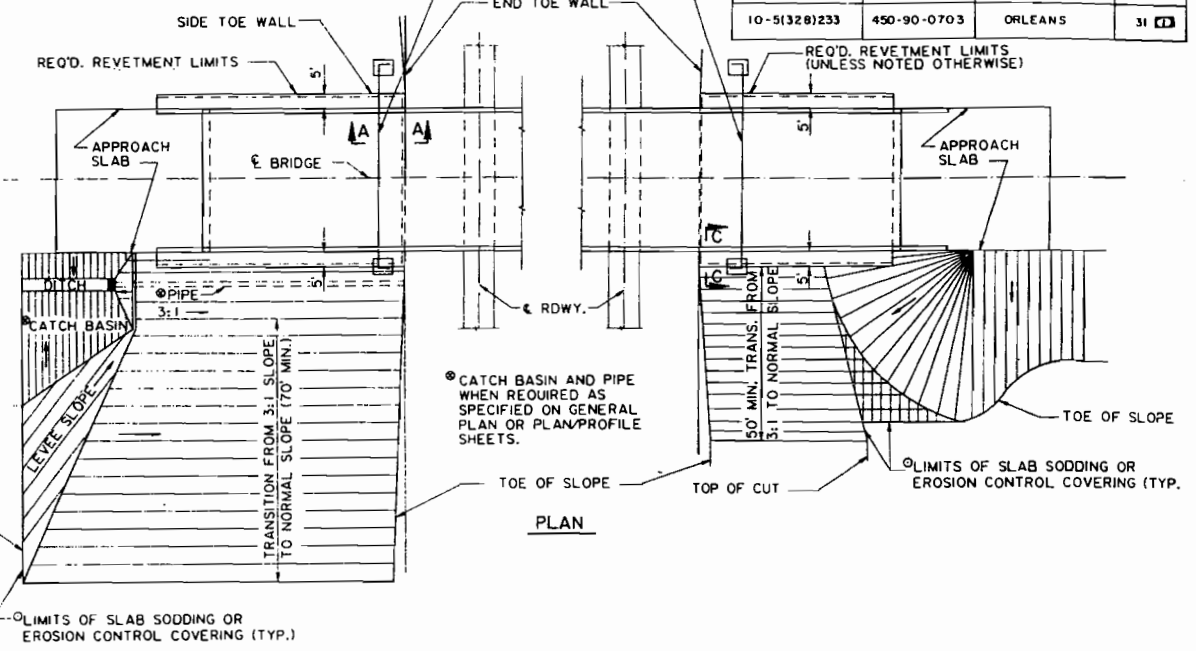
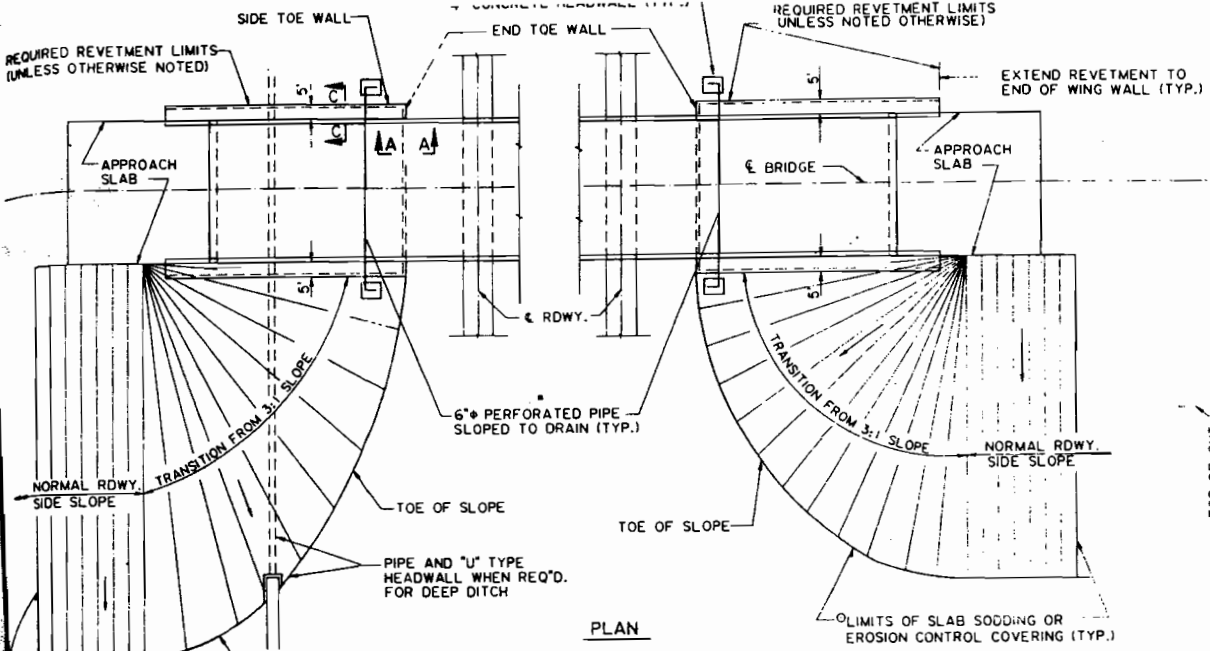
- (455) STA. 511+19.50/14' RT. (I-10 WB.) REQ'D. CB(CB-01)
- (P455) STA. 511+19.50/14' RT. (I-10 WB.) REQ'D. STORM DRAIN PIPE 15"x 8"
- (467) STA. 511+29.50/14' RT. (I-10 WB.) REQ'D. CB(CB-01)
- (P467) STA. 511+29.50/14' RT. (I-10 WB.) REQ'D. STORM DRAIN PIPE 18"x 65"



T.B.M. #2D-TOP OF SOUTHWEST ANCHOR BOLT ON THE SOUTHWEST CORNER OF A STEEL O POLE SUPPORTING A HIGHWAY SIGN DENOTING EXIT 229 BONNABEL BLVD. 1 MILE. IT IS LOCATED ON THE NORTHWEST SIDE OF I-10 WESTBOUND APPROXIMATELY 6.7' NORTH OF THE ASPHALT SHOULDER EDGE AND 40 FEET WEST OF THE NORTHWEST CORNER OF THE HIGHWAY BRIDGE ACROSS 17TH ST. CANAL. ELEV. = 8.08 N.G.V.D.

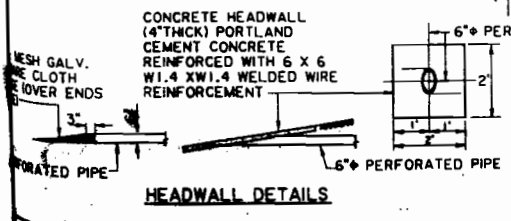
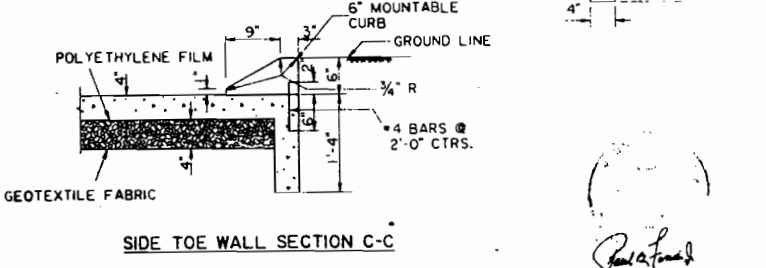
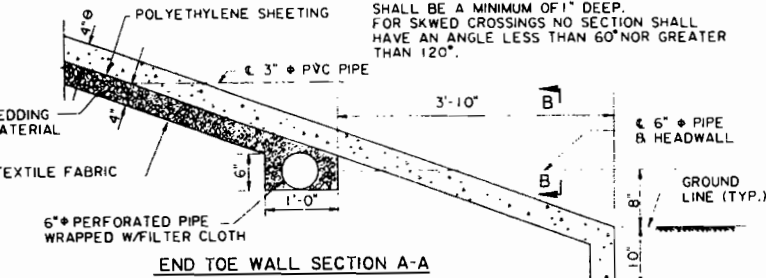
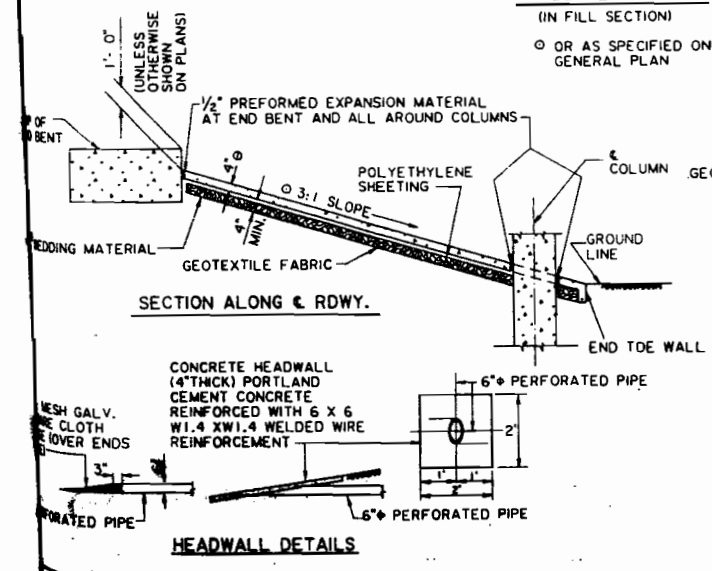
NOTES:
 FOR LEGEND, SEE SHEET 13.
 FOR BRIDGE PLANS, SEE SHEETS 115-117.
 FOR CURVE DATA AND GEOMETRIC DETAILS, SEE SHEETS 41-44.
 FOR I-10 EB. PLAN & PROFILE, SEE SHEETS 9-12.
 FOR I-610 EB. PLAN & PROFILE, SEE SHEETS 3-6.
 FOR DRAINAGE DETAILS NOT SHOWN, SEE SHEETS 6-7.
 FOR PERMANENT SIGN LAYOUT, SEE SHEETS 55-59.
 FOR PAVEMENT STRIPING, SEE SHEETS 65-69.
 FOR GUARDRAIL LOCATION LAYOUT, SEE SHEET 70.

3-12-97	CONCRETE CLIP. REVELMENT REV.	BRG
DATE	DESCRIPTION	BY
	REVISION	



* SURFACE SHALL BE GROOVED SO THAT NO SECTION SHALL EXCEED 20 SQ. FEET WITH NO SIDE GREATER THAN 4' TO 6'. ALL GROOVES SHALL BE A MINIMUM OF 1" DEEP. FOR SKWED CROSSINGS NO SECTION SHALL HAVE AN ANGLE LESS THAN 60° NOR GREATER THAN 120°.

- NOTES:**
1. CONCRETE CAST-IN-PLACE REVETMENT (CLASS R CONCRETE) INCLUDING GEOTEXTILE FABRIC, POLYETHYLENE SHEETING, BEDDING MATERIAL, 3" P.V.C. PIPE AND 1/2" PREFORMED EXPANSION MATERIAL ARE TO BE INCLUDED UNDER ITEM 712(01), CONC. CAST-IN-PLACE REVETMENT (4" THICK), PER SQ. YARD. QUANTITIES WILL BE ACTUAL SURFACE AREA ON SLOPE.
 2. AT THE CONTRACTOR'S OPTION REVETMENT MAY BE SHOTCRETE (3" THICK) REINFORCED WITH 6 X 6-W2.0 X W2.0 WELDED WIRE FABRIC AND GROOVED AS SPECIFIED IN VIEW B-B THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT HIS MIX DESIGN FOR APPROVAL TO THE D.O.T.D. DISTRICT LAB. PRIOR TO BEGINNING WORK. PAYMENT WILL BE MADE UNDER ITEM 712(01) PER SQ. YARD. SHOTCRETING SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MATERIALS, PROPORTIONING, AND APPLICATION OF SHOTCRETE, ACI 506.2, LATEST EDITION. THE FINE AGGREGATE SHALL CONTAIN NOT LESS THAN 3% NOR MORE THAN 6% PERCENT MOISTURE BY WEIGHT. SLAB SODDING TO BE PAID FOR UNDER ITEM 714(01); SLAB SODDING, PER SQUARE YARD.
 3. EROSION CONTROL COVERING TO BE PAID FOR UNDER ITEM 720(03), EROSION CONTROL COVERING, PER SQ. YARD.
 4. GEOTEXTILE FABRIC SHALL BE CLASS C OR D IN ACCORDANCE WITH LA. D.O.T.D. OPL NO. 61. POLYETHYLENE SHEETING SHALL BE IN ACCORDANCE WITH SECTION 1011.01(d) OF THE STANDARD SPECIFICATIONS.
 5. LIMITS OF BEDDING MATERIAL TO BE OUTER EDGES OF REVETMENT. BEDDING MATERIAL TO BE UNIFORMLY COMPACTED AS DIRECTED BY THE PROJECT ENGINEER. GEOTEXTILE FABRIC TO BE INSTALLED BETWEEN BEDDING MATERIAL AND EARTHFILL. POLYETHYLENE SHEETING (6 MIL THICKNESS) TO BE INSTALLED BETWEEN BEDDING MATERIAL AND REVETMENT.

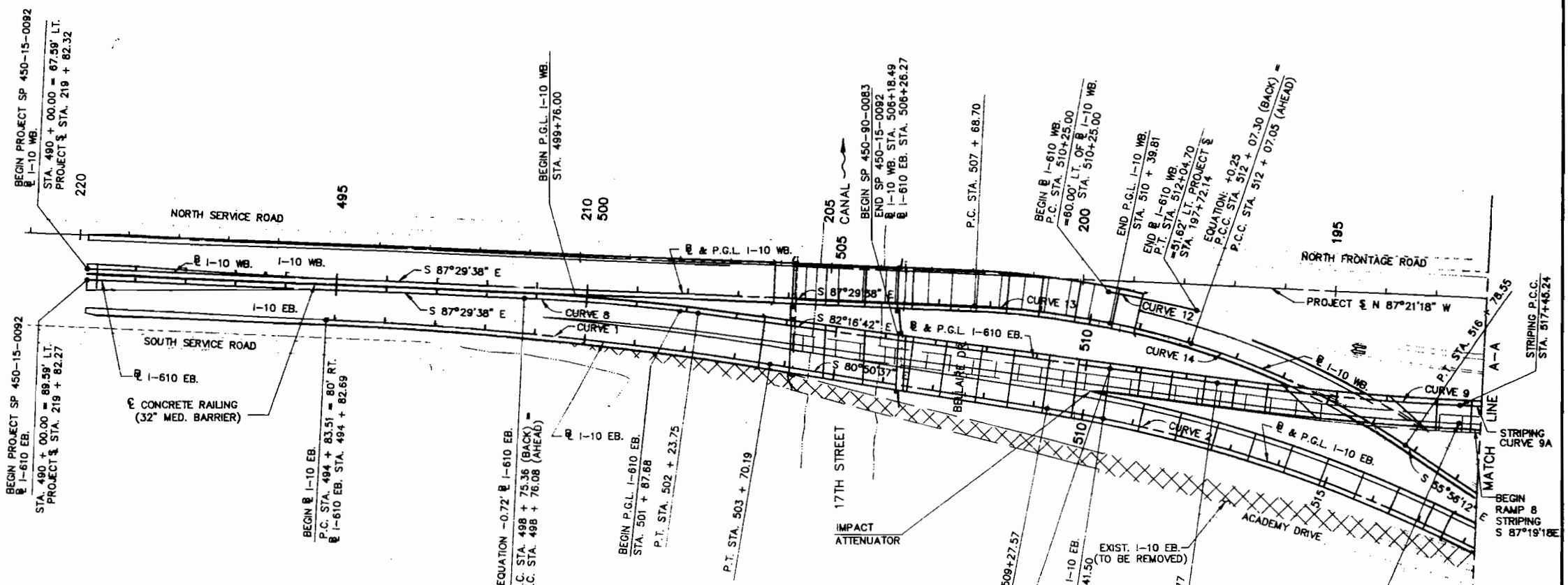
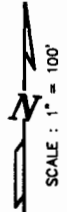


C.R.-1

CAST-IN-PLACE REVETMENT DETAILS

3-12-97 Added Sheet	6/27	DATED JULY, 1979
DESIGNED BY	T.W.A.	STATE OF LOUISIANA
CHECKED BY	T.W.A.	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
APPROVED BY	T.W.A.	DESIGNED BY P. FOSSER
DATE	7/25/79	CHECKED BY P. FOSSER
		BRIDGE AND STRUCTURAL DIVISION

Paul A. Fossier
1-24-79



CURVE DATA

I-10 EB.	I-610 EB.	I-10 WB.	I-610 WB.
CURVE 1 P.I. STA. 499 + 27.35 Δ = 6°39'01" (Rt.) D = 0°45'00" T = 443.84' L = 886.68' R = 7,639.33'	CURVE 8 P.I. STA. 500 + 50.04 Δ = 5°12'56" (Rt.) D = 1°30'00" T = 173.96' L = 347.67' R = 3,819.50'	CURVE 13 P.I. STA. 509 + 89.20 Δ = 14°38'54" (Rt.) D = 3°20'23" T = 220.50' L = 438.60' R = 1,715.54'	CURVE 12 P.I. STA. 511 + 14.86 Δ = 1°51'04" (Rt.) D = 1°01'49" T = 89.86' L = 179.70' R = 5,561.68'
CURVE 2 P.I. STA. 516 + 34.51 Δ = 28°03'45" (Rt.) D = 2°01'32" T = 706.94' L = 1,385.50' R = 2,828.80'	CURVE 9 P.I. STA. 518 + 27.13 Δ = 11°15'03" (Lt.) D = 1°00'00" T = 564.36' L = 1,125.09' R = 5,729.58'	CURVE 14 P.I. STA. 514 + 44.52 Δ = 16°54'32" (Rt.) D = 3°35'11" T = 237.47' L = 471.50' R = 1,597.64'	

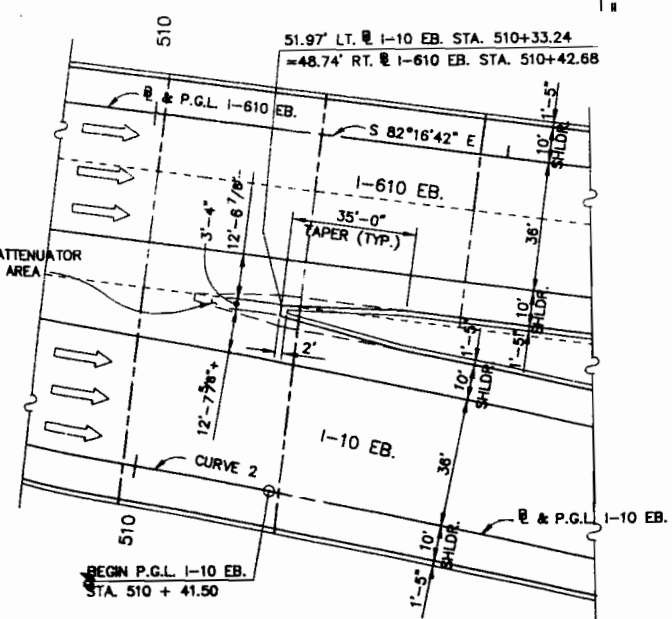
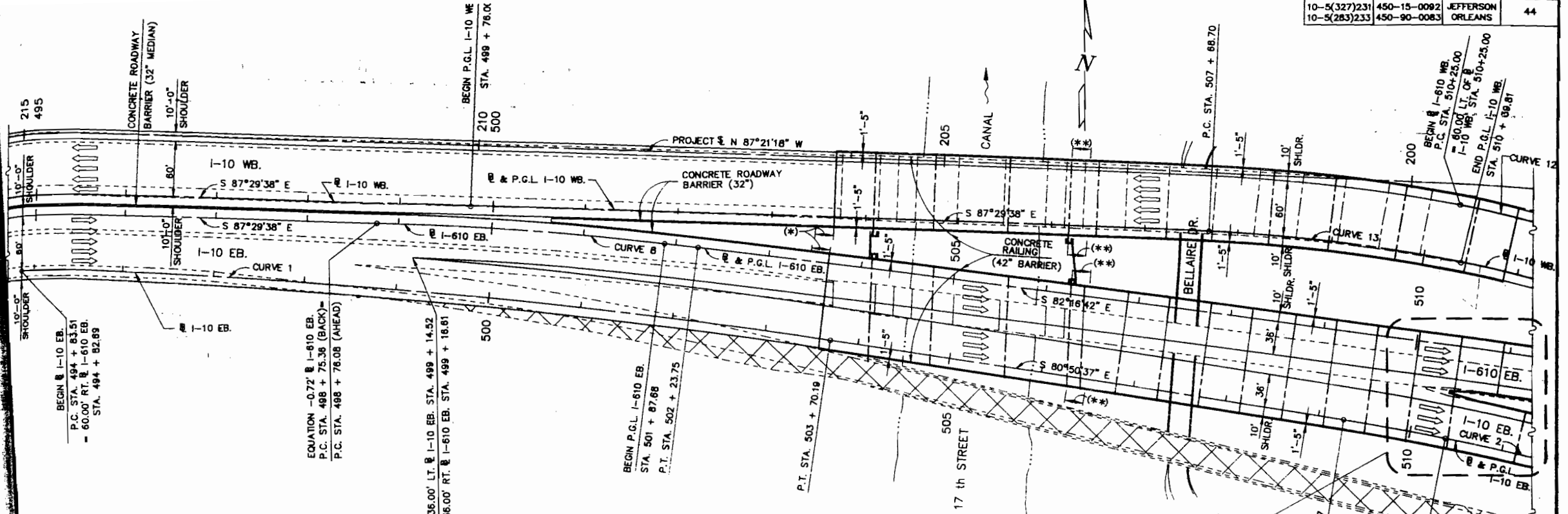


STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass

GEOMETRIC LAYOUT

Burk-Klempeter, Inc.
Engineers • Architects • Planners • Surveyors • Environmental Scientists
New Orleans, Louisiana

DESIGNED: BLODWIN	DATE: APR 98
CHECKED: S. L. SMITH	SCALE: AS SHOWN
DATE: _____	SHEET NO. 1 OF 2



I-10 - I-610 SPLIT NOSE DETAILS
SCALE: 1" = 20'-0"

- (*) 20'-0" TRANSITION 32" CONCRETE BARRIER RAILING TO 42" CONCRETE BARRIER RAILING.
- (**) 20'-0" TRANSITION 42" CONCRETE BARRIER RAILING TO 32" CONCRETE BARRIER RAILING.

I-10/I-610 NOSE DETAILS
SCALE: 1" = 50'-0"

DESIGN PARAMETERS FOR IMPACT ATTENUATOR

- DESIGN VELOCITY = 50 M.P.H.
- AVERAGE G'S = 4.1
- ESTIMATED FORCE ON BACK-UP BLOCK = 30 KIPS
- LENGTH OF ATTENUATOR = 23'-11 1/2"
- NO. OF BAYS = 10
- SUGGESTED DIMENSION

FOR DETAILS, SEE DETAIL BELOW

NOTE:

- ① FOR CLARITY, THE PAVEMENT REMOVAL LIMITS ARE NOT SHOWN. SEE PLAN-PROFILE SHEETS FOR IT.
- ② FOR CURVE DATA, SEE GEOMETRIC LAYOUT SHEETS 41 TO 44.

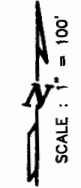
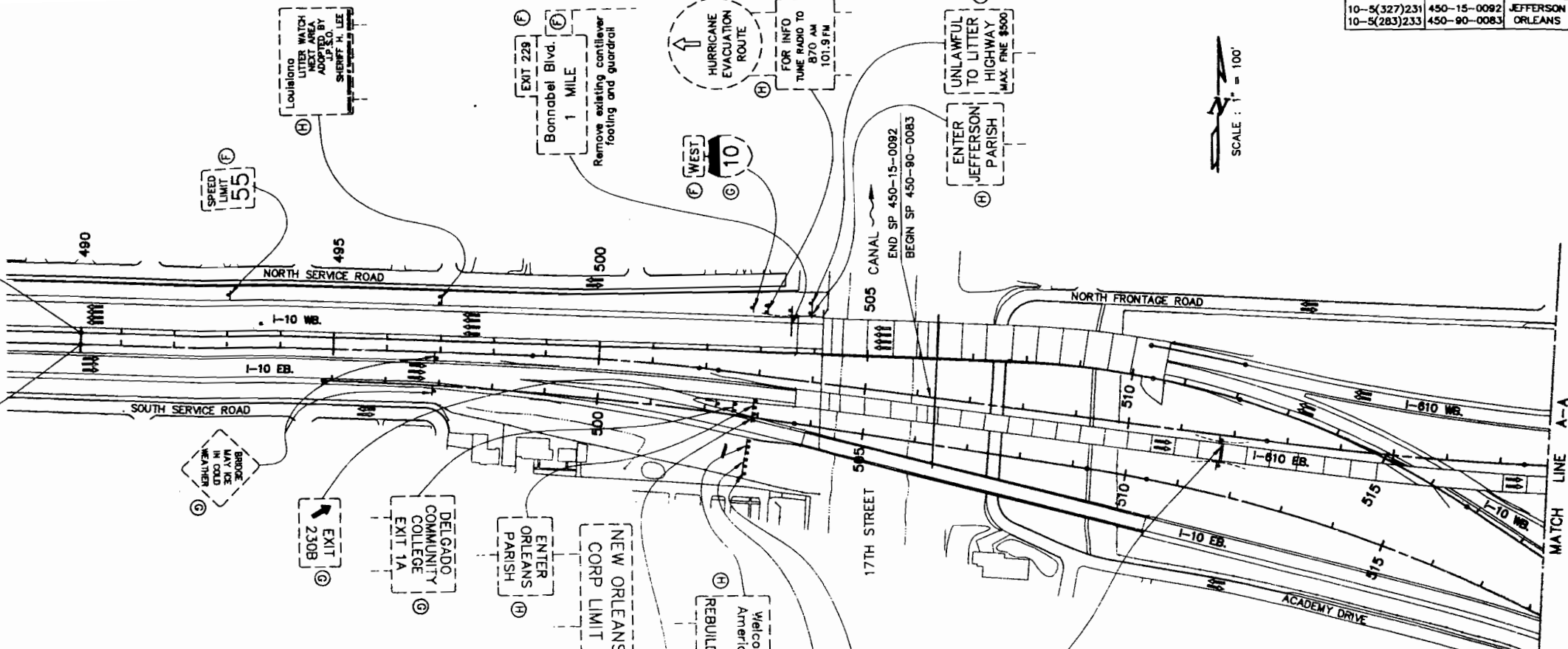


STATE OF LOUISIANA	
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
INTERSTATE 10	
17th Street Canal-Southern R/R Underpass	
RAMP TERMINAL DETAILS	
Burk-Kleinpeter, Inc. <small>Engineers • Architects • Planners • Environmental Scientists New Orleans, Louisiana</small>	
DESIGNED: B. CHOPIN	DATE: 2/28/78
CHECKED: B. SHAW	SCALE: AS SHOWN
DATE: 2/28/78	PROJECT NO. 10-5(327)231

10-15-78	PILE SUPPORTED APPROACH SLABS REPLACED	BK	DESIGNED: B. CHOPIN	DATE: 2/28/78
		BT	CHECKED: B. SHAW	SCALE: AS SHOWN
			CHECKED: G. P. SMITH	PROJECT NO. 10-5(327)231

BEGIN PROJECT SP 450-15-0082
 I-10 WB.
 STA. 490+00.00-67.56' L.T.
 PROJECT & STA. 219+82.32

BEGIN PROJECT SP 450-15-0082
 I-610 EB.
 STA. 490+00.00-88.58' L.T.
 PROJECT & STA. 219+82.27



REMOVAL QUANTITIES

	SIGN FACES	SIGN & SUPPORTS	TRUSS & FOOTING	CANTILEVER & FOOTING
0082	4	5	--	1
0083	--	--	--	0
0080	3	--	1*	--

* STRUCTURE MOUNTED

- ▲ REMOVAL OF SIGN FACES WILL BE PAID UNDER ITEM 202(02)(J) REMOVING EXISTING SIGN FACES, PER EACH.
- REMOVAL OF SIGN & SUPPORTS WILL BE PAID UNDER ITEM 202(02)(L) REMOVING EXISTING SIGN SUPPORTS, PER EACH.

EXISTING SIGN
 EXISTING SIGN AND SUPPORT
 AND SUPPORT TO BE REMOVED BY DOTD.

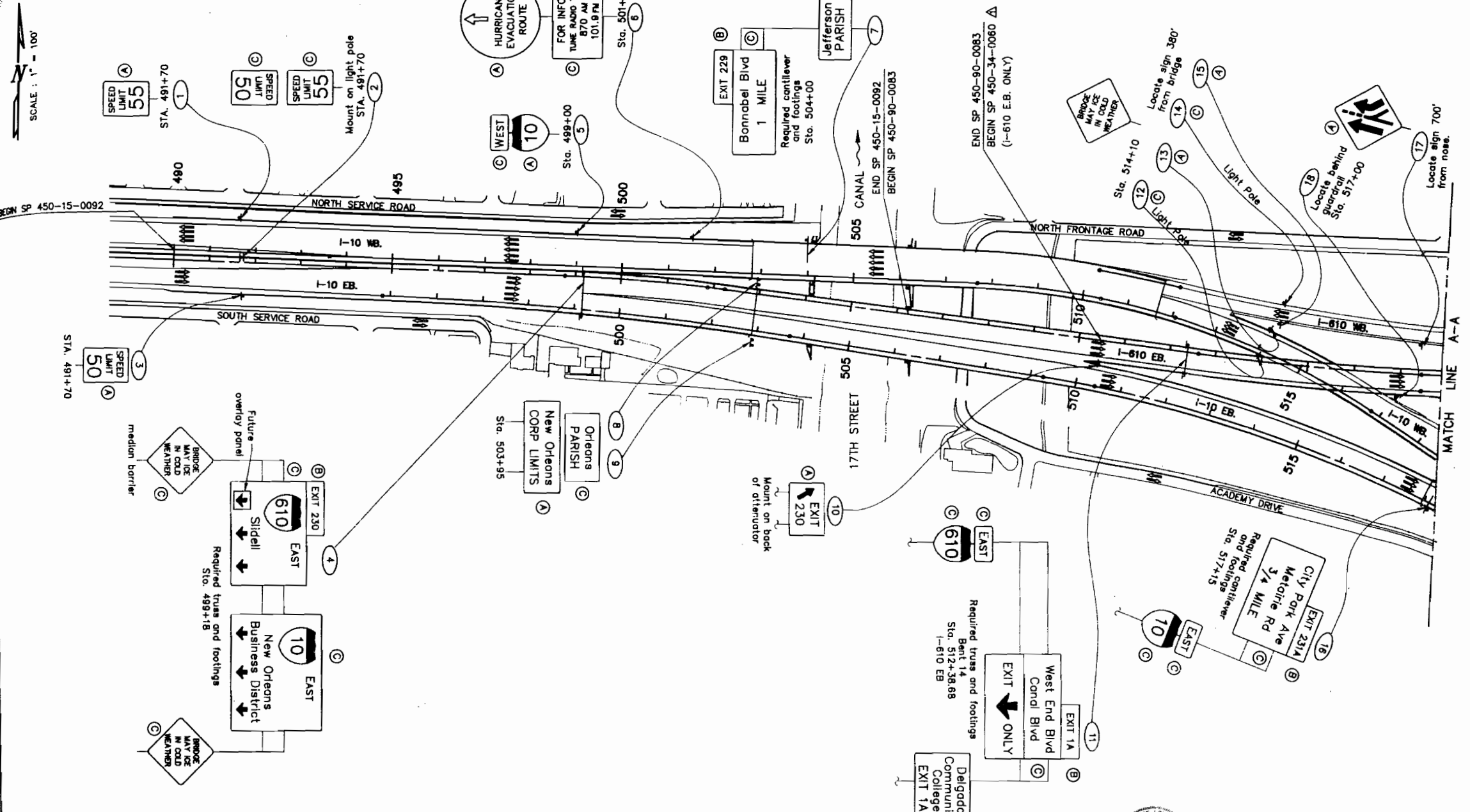


STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

EXISTING SIGN REMOVALS

Burk-Klempeter, Inc.
 Engineers • Planners • Environmental Scientists
 New Orleans, Louisiana

DESIGNED: BLOMQUIST	DRAWN: BLOMQUIST	DATE: JUN 78
CHECKED: S. L. SMITH	CHECKED: S. P. SMITH	SCALE: AS SHOWN
PROJECT NO. 450-34-0080 ADDED		SHEET NO. 1 OF 2



SCALE: 1" = 100'

- (A) REQUIRED NEW SIGN AND BREAKAWAY SUPPORT.
- (B) REQUIRED EXIT NUMBER PANEL.
- (C) REQUIRED NEW SIGN AND MOUNT AS INDICATED.



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

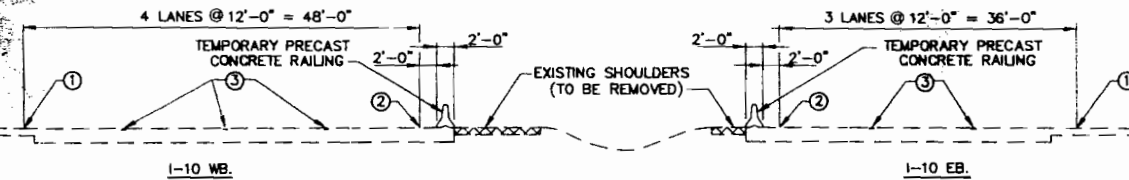
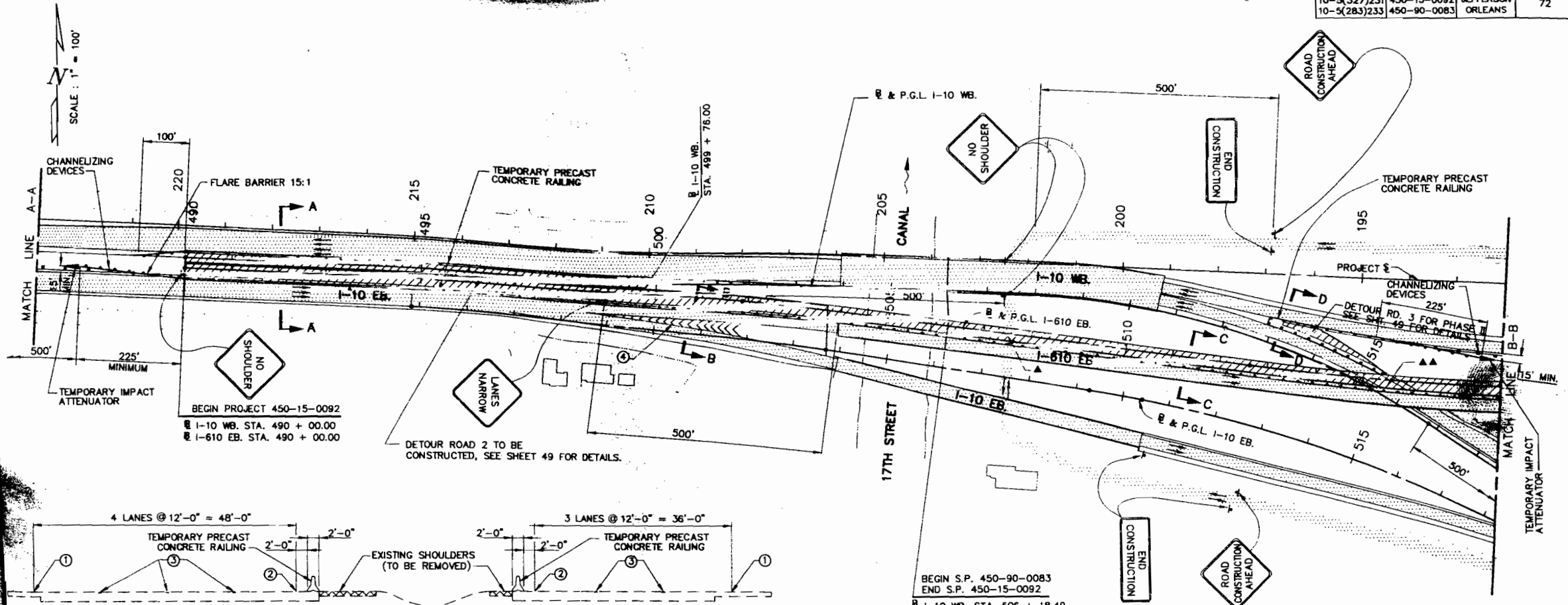
INTERSTATE 10
17th Street Canal-Southern R/R Underpass

SIGNING PLAN

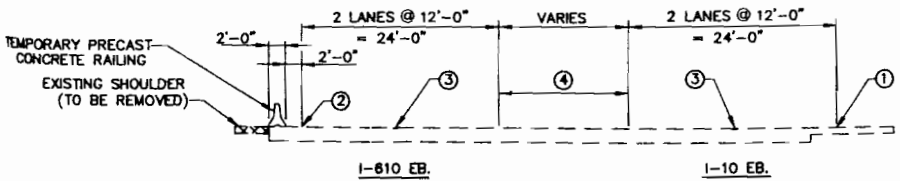
Burk-Klempeter, Inc.
Engineers • Architects • Planners • Environmental Scientists
New Orleans, Louisiana

DESIGNED: RLOD/PW	DATE: JUNE 98
CHECKED: S. L. SHAN	SCALE: AS SHOWN
CHECKED: G. P. BURT	DRAWN: [Signature]

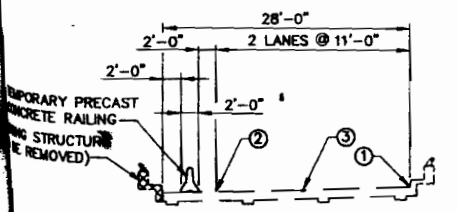
9-15-98	S.P. 450-34-0080	ADDED	BY:	DESIGNED:	DATE:
DATE:	DESCRIPTION:	BY:	CHECKED:	DATE:	



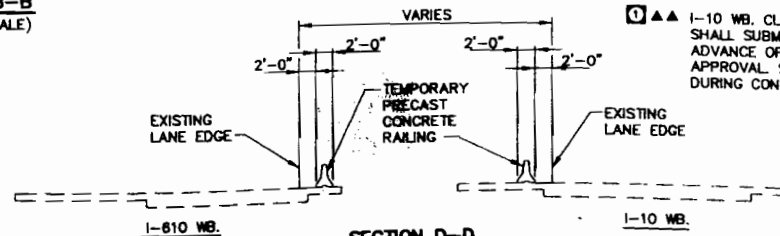
SECTION A-A
 (NOT TO SCALE)



SECTION B-B
 (NOT TO SCALE)



SECTION C-C
 (NOT TO SCALE, SUBSTRUCTURE NOT SHOWN)



SECTION D-D
 (NOT TO SCALE)

▲ CLOSURE OF BELLAIRE DRIVE SHALL BE DONE IN OFF-PEAK TRAFFIC PERIODS. THE CONTRACTOR IS TO MINIMIZE THE DURATION OF CLOSURE. THE CONTRACTOR IS TO NOTIFY RTA OF THE DATE, TIME AND DURATION OF EACH CLOSURE, ONE MONTH PRIOR TO ANY CLOSURE. THE CONTRACTOR SHALL PLACE SIGNS AS DIRECTED BY THE PROJECT ENGINEER DURING THE CLOSURES AT NO EXTRA COST.

▲▲ I-10 WB. CLOSURE IS TO BE MINIMIZED. THE CONTRACTOR SHALL SUBMIT THE CLOSURE SCHEDULE ONE MONTH IN ADVANCE OF CLOSURE, TO THE PROJECT ENGINEER FOR APPROVAL. SEE SHEET 89 FOR I-10 WB. CLOSURE DETAILS DURING CONSTRUCTION.

LEGEND:

- NEW CONSTRUCTION
- ROAD OPEN TO TRAFFIC
- TEMPORARY PRECAST CONCRETE RAILING
- CHANNELIZING DEVICES (PLASTIC DRUMS @ 40')

NOTE:

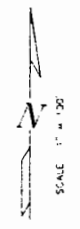
FOR NOTES AND TEMPORARY PAVEMENT MARKING LEGEND, SEE SHEET 71.



PHASE I

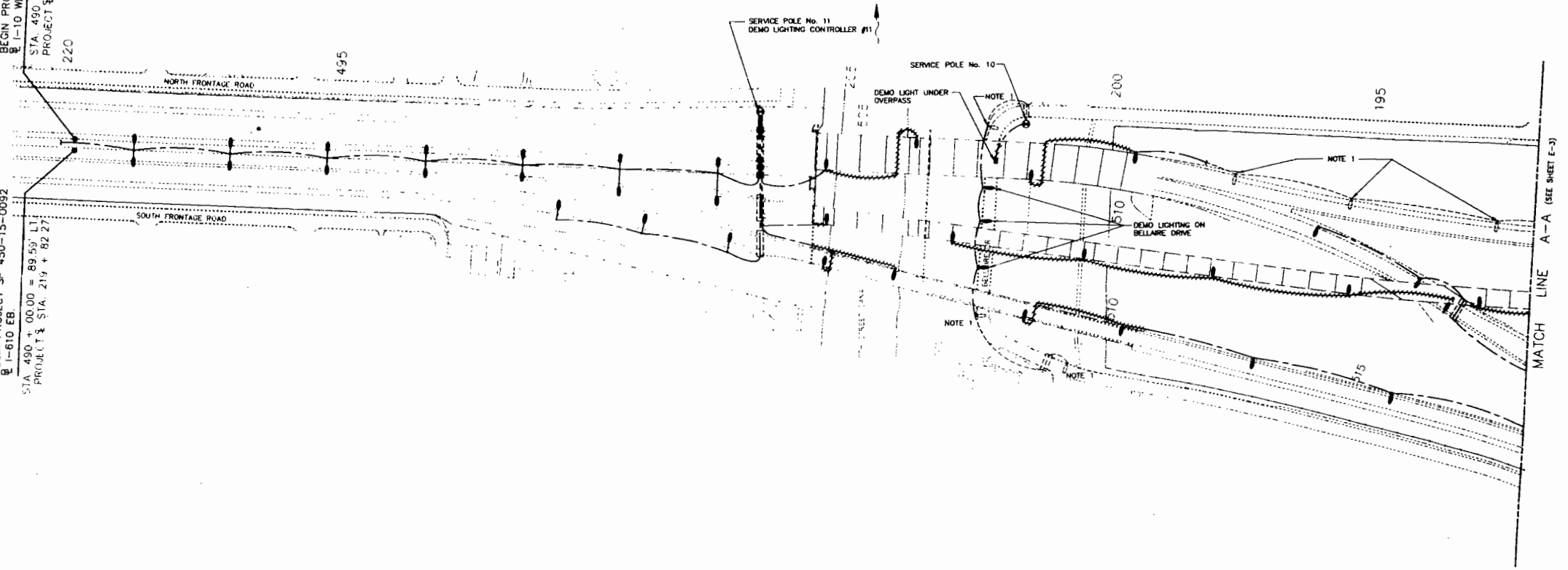
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
**TRAFFIC MAINTENANCE,
 SEQUENCE OF CONSTRUCTION &
 MINIMUM CONSTRUCTION SIGNING**

DESIGNED BY	DATE	CHECKED BY	DATE
DESIGNED BY	DATE	CHECKED BY	DATE



BEGIN PROJECT SP 450-15-0092
 @ I-10 WB.
 STA. 490 + 00.00 = 67.59' LT.
 PROJECT @ STA. 219 + B2.32

BEGIN PROJECT SP 450-15-0092
 @ I-610 EB.
 STA. 490 + 00.00 = 89.59' LT.
 PROJECT @ STA. 219 + B2.27



NOTES:

- 1) FIXTURE SHALL REMAIN IN OPERATION DURING CONSTRUCTION.

[Handwritten signature]

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

E-2
 DEMOLITION PLAN 1

MARRERO COWELLON & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 BATON ROUGE-NEW ORLEANS-LAFAYETTE
 JOB NO. 11L95.001 DWG. 11027 D282 1002

Burk - Kleinpeter, Inc.
 Engineers • Architects • Planners • Environmental Scientists
 New Orleans, Louisiana

DESIGNED: R. HUNTER	DATE: JUNE 88
CHECKED: G. BRINE	SCALE: 1" = 80'
DATE:	BY:
DESCRIPTION:	REVISIONS:

FED. AID PROJECT	STATE PROJECT	PARRISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	102A
10-5(283)233	450-90-0083	ORLEANS	

BRIDGE QUANTITIES

ITEM	202 (2)(A)(01)	202 (2)(A)(02)	202 (2)(A)(03)	501(01)(B)	802 (02)	803 (04)	804 (01)(B)	804 (01)(C)	804 (01)(F)	804 (03)(A)	804 (04)(J)	804 (07)	804 (09)	804 (12)	804 (13)	804 (14)	804 (15)	805 (01)(C)	805 (01)(D)	805 (01)(F)
	REMOVAL OF BRIDGES I	REMOVAL OF BRIDGES II	REMOVAL OF BRIDGES III	ASPHALTIC CONCRETE WEARING COURSE (TYPE BF)	STRUCTURAL EXCAVATION FOR INTERMEDIATE BENTS	STEEL SHEET PILE WALL (PS31)	PRECAST CONCRETE PILES (14")	PRECAST CONCRETE PILES (16")	PRECAST CONCRETE PILES (24")	TREATED TIMBER PILES (NONCOASTAL TREATMENT)	STEEL BEARING PILES (HP 12 x 84)	PRECAST CONCRETE TEST PILES	STEEL BEARING TEST PILES	LOADING TEST PILES	RELOADING TEST PILE	REDRIVING TEST PILES	LOADING PERMANENT PILES	CLASS A CONCRETE (RETAINING WALLS)	CLASS A CONCRETE (FOOTINGS)	CLASS A CONCRETE (BENTS)
	EACH	EACH	EACH	TON	CU. YD.	SQ. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	CU. YD.	CU. YD.	CU. YD.
S.P.450-50-0092	30X	15X	30X	73.0	260.2	1,770.7	0	0	7,972	0	5,250	0	1	1	0	0	0	0.00	0.00	169.95
S.P.450-90-0083	70X	65X	70X	48.1	2,595.9	2,830.5	28,785	6,749	0	0	5,632	2	0	1	1	1	1	11.45	1,035.87	1,335.02
S.P.450-34-0060	0	20X	0	26.4	1,072.4	0.0	13,260	7,540	0	1,885	0	2	0	2	0	0	0	65.62	484.21	663.79
TOTAL	1	1	1	147.4	3,928.5	4,601.2	42,045	14,289	7,972	1,885	10,882	4	1	2	1	1	1	77.07	1,520.08	2,168.76

BRIDGE QUANTITIES

ITEM	805 (02)	805 (03)	805 (06)(C)	805 (11)	806 (01)	807 (06)	810 (01)(A)	810 (01)(C)	813 (01)	S-101 (A)	S (101) (B)	S-102	S-103	S-104	S-105	S-106 (A)	S-106 (B)	S-109	S-110	S-110(A)	S-113
	CLASS A (M) CONCRETE	CLASS AA CONCRETE	PRECAST-PRESTRESSED CONCRETE GIRDERS (TYPE III)	STRIP SEAL JOINT	DEFORMED REINFORCING STEEL	STRUCTURAL METALWORK	CONCRETE RAILING (32" BARRIER)	CONCRETE RAILING (42" BARRIER)	CONCRETE APPROACH SLABS	DECK DRAINAGE SYSTEM (TYPE A)	DECK DRAINAGE SYSTEM (TYPE B)	LIGHT SUPPORT BASE	SIGN SUPPORT BASE	IMPACT ATTENUATOR (HEX FOAM SANDWICH)	CLEANING AND PAINTING	TEMPORARY PRECAST BARRIER (DOTD FURNISHED)	TEMPORARY PRECAST BARRIER (15' UNIT)	MELT	FLOODWALLS	FLOODWALL GATES	SLAB MODIFICATION FOR NOISE BARRIER
	CU. YD.	CU. YD.	LN. FT.	LN. FT.	POUND	LUMP SUM	LN. FT.	LN. FT.	SQ. YD.	EACH	LUMP SUM	EACH	EACH	EACH	LUMP SUM	EACH	EACH	EACH	LN. FT.	EACH	LN. FT.
S.P.450-50-0092	0.00	4,619.91	0.0	183.48	1,307,917	-	387.52	644.53	957.92	0	-	4	0	0	-	179	179	1	144.76	0	0.00
S.P.450-90-0083	0.00	3,374.18	15,190.1	1,014.32	1,611,918	1X	3,216.78	0.00	639.69	10	85X	10	0	1	LUMP	484	484	7	168.86	2	1,521.10
S.P.450-34-0060	85.52	1,966.00	3,832.8	124.92	917,805	99X	2,265.21	0.00	349.14	2	15X	5	2	0	-	0	0	1	0.00	0	1,087.40
TOTAL	85.52	8,960.09	19,022.9	1,322.72	3,837,640	LUMP	5,869.51	644.53	1,946.75	12	LUMP	19	2	1	LUMP	663	663	9	313.62	2	2,608.50

⊗ STRUCTURAL METALWORK = 1,549,169 LBS. (QUANTITY IS GIVEN FOR INFORMATION ONLY. THE STRUCTURAL METALWORK IS PAID LUMP SUM.)
 IT INCLUDES STEEL (A36) = 42,330 LBS. (16,354 LBS. - SP 450-90-0083) (25,976 LBS. - SP 450-34-0060)
 STEEL (A572) = 1,534,089 LBS. (10,183 LBS. - SP 450-90-0083) (1,523,906 LBS. - SP 450-34-0060)

● QUANTITY FOR APPROACH SLABS ONLY.
 ● 55,244 LBS. OF STEEL GIRDERS TO BE REFURBISHED.

EXISTING I-10MB BRIDGE.
 (FROM STA. 504 + 14 TO 510 + 41 INCLUDES 16 SPANS OF 4-20' SLAB SPANS, 12 SPANS OF CONCRETE DECK OVER STEEL AND CONCRETE GIRDERS WITH PILE BENTS AND COLUMN BENTS.)
 SP 450-15-0092 - REMOVED FROM BENTS 1 TO 7.
 SP 450-90-0083 - REMOVED FROM BENTS 7 TO 17.

EXISTING I-610EB BRIDGE.
 (FROM STA. 504 + 11 TO 521 + 33 INCLUDES 42 SPANS OF 12-20' SLAB SPANS, 30 SPANS OF CONCRETE DECK OVER STEEL GIRDERS WITH PILE BENTS AND COLUMN BENTS.)
 SP 450-15-0092 - REMOVED FROM BENTS 1 TO 6.
 SP 450-15-0083 - REMOVED FROM BENTS 6 TO 43.

EXISTING I-10EB BRIDGE.
 (FROM STA. 504 + 14 TO 510 + 45 AT R I-610 INCLUDES 16 SPANS OF 4-20' SLAB SPANS, 12 SPANS OF CONCRETE DECK OVER STEEL GIRDERS WITH PILE BENTS AND COLUMN BENTS.)
 SP 450-15-0092 - REMOVED FROM BENTS 1 TO 7.
 SP 450-90-0083 - REMOVED FROM BENTS 7 TO 17.



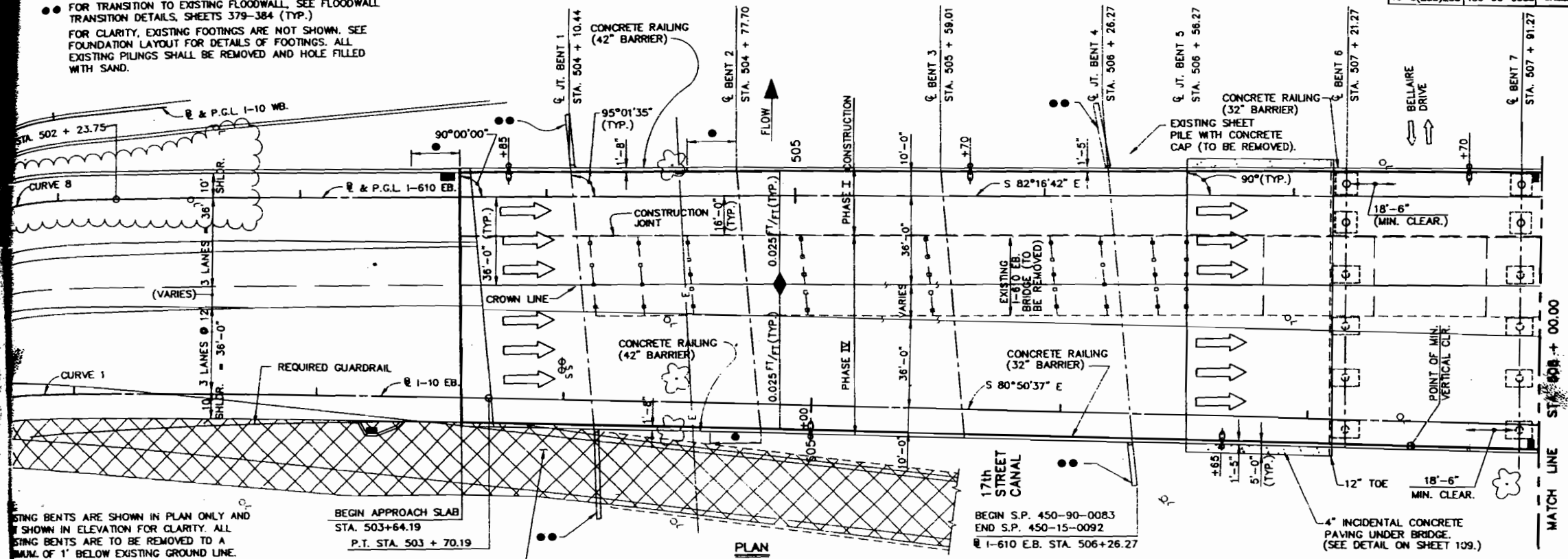
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

BRIDGE QUANTITIES

Burk-Kelapeter, Inc.
 Registered Professional Engineer
 New Orleans, Louisiana

2-4-98	REPLACES SHEET 102	BY	BY	CHECKED: SA, DSW	DATE: JUNE 98
SAK	REVISION	BY	BY	CHECKED: SA, DSW	SCALE: AS SHOWN
				CHECKED: SA, DSW	SHEET NO. 1 OF 1

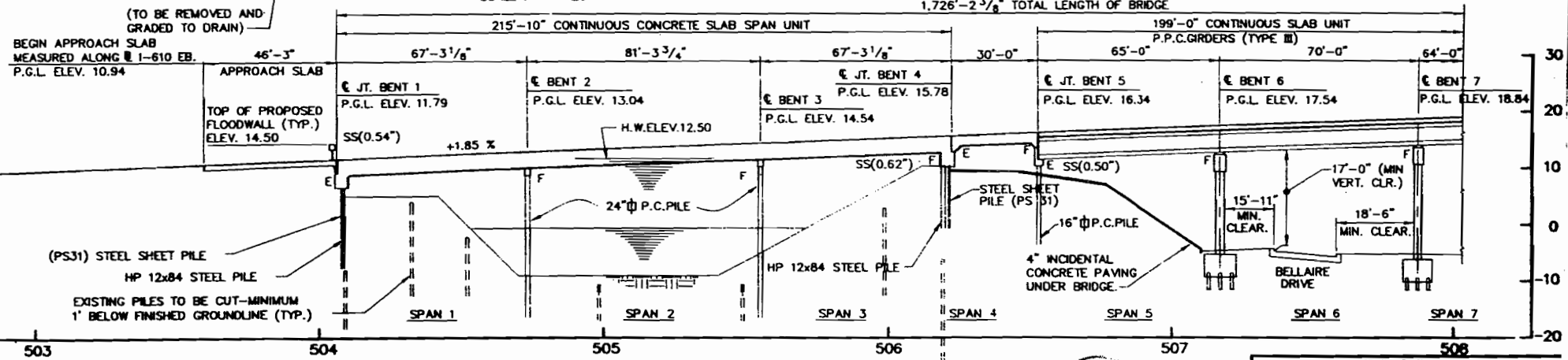
- 20'-0" TRANSITION CONCRETE RAILING BETWEEN (32" BARRIER) AND (42" BARRIER).
- FOR TRANSITION TO EXISTING FLOODWALL, SEE FLOODWALL TRANSITION DETAILS, SHEETS 379-384 (TYP.)
- FOR CLARITY, EXISTING FOOTINGS ARE NOT SHOWN. SEE FOUNDATION LAYOUT FOR DETAILS OF FOOTINGS. ALL EXISTING PILING SHALL BE REMOVED AND HOLE FILLED WITH SAND.



EXISTING BENTS ARE SHOWN IN PLAN ONLY AND SHOWN IN ELEVATION FOR CLARITY. ALL BENT BENTS ARE TO BE REMOVED TO A MINUM. OF 1" BELOW EXISTING GROUND LINE.

FOR 17th STREET CANAL CHANNEL IMPROVEMENTS, SEE NOTE ON SHT. 107.

PLAN
 SCALE : 1" = 20'



ELEVATION
 SCALE : 1" = 20' (HORIZ.)
 1" = 10' (VERT.)

- LEGEND:**
- LIGHT SUPPORT
 - SS(X) STRIP SEAL (X = TOTAL MOVEMENT)
 - F(X) FINGER JOINT (X = TOTAL MOVEMENT)
 - ▬ DECK DRAINS
 - PROPOSED FOOTINGS

NOTES:
 FOR GENERAL NOTES, SEE SHEET 101
 FOR GEOMETRICS, SEE SHEETS 42-46
 FOR DECK DRAIN DETAILS, SEE SHEET 375
 FOR SIGN & LIGHT SUPPORT DETAILS, SEE SHEETS 357, 359 & 360
 FOR EXISTING UTILITIES LAYOUT, SEE SHEETS 21-22
 FOR BORING LAYOUT, SEE SHEETS 501-506
 FOR STRIP SEAL JOINT DETAILS, SEE SHEETS 365-366
 FOR STRUCTURE REMOVAL DETAILS, SEE SHEET 358

CURVE DATA

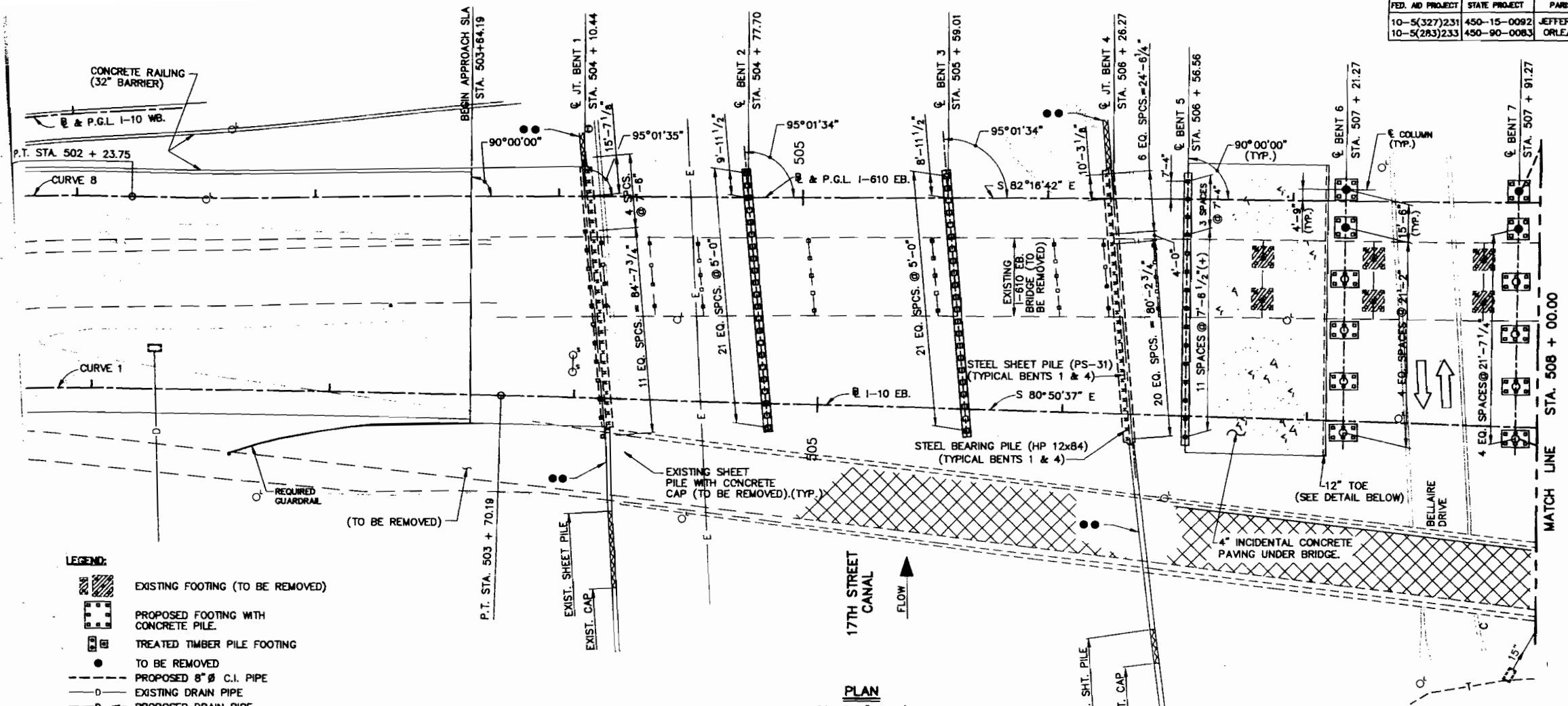
CURVE 1	CURVE 2
STA. 499 + 27.35	P.I. STA. 500 + 50.04
Δ = 6°38'01" (Rt.)	Δ = 5°12'58" (Rt.)
Δ = 0°45'00"	D = 1°30'00"
Δ = 443.84'	T = 173.98'
Δ = 888.68'	L = 347.87'
Δ = 7,838.33'	R = 3,819.50'



3-12-87		NOTE ADDED	DESIGNED: R. ORPHAN	CHECKED: S. L. SMITH
DATE		DESCRIPTION	BY	SCALE AS SHOWN
3-12-87		NOTE ADDED	DESIGNED: R. ORPHAN	CHECKED: S. L. SMITH
DATE		DESCRIPTION	BY	SCALE AS SHOWN

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-610 EB. OVER 17th STREET CANAL
GENERAL BRIDGE PLAN

Burk-Klempeter, Inc.
 17th Street Canal-Southern R/R Underpass
 New Orleans, Louisiana

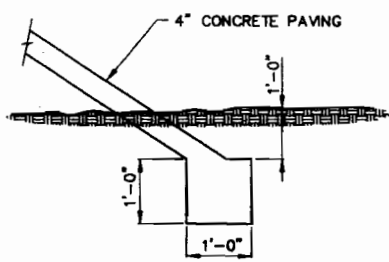


LEGEND:

- EXISTING FOOTING (TO BE REMOVED)
- PROPOSED FOOTING WITH CONCRETE PILE
- TREATED TIMBER PILE FOOTING
- TO BE REMOVED
- PROPOSED 8" Ø C.I. PIPE
- EXISTING DRAIN PIPE
- PROPOSED DRAIN PIPE
- EXISTING DRAIN MANHOLE
- PROPOSED DRAIN MANHOLE
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING PIPE TO BE ABANDONED
- EXISTING LIGHT POLE
- EXISTING CONCRETE BARRIER POST
- EXISTING SIGN POST
- POWER POLE
- FOR TRANSITION TO EXISTING FLOODWALL, SEE FLOODWALL TRANSITION DETAILS, SHEETS 379-384(TYP.)

NOTE:

- ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE LATEST UTILITY LOCATIONS FROM LDOT DISTRICT OFFICE.
 - FOR MORE DETAILED INFORMATION OF FOOTINGS AND PILES, SEE INDIVIDUAL BENT AND CURTAINWALL DETAILS.
- ALL EXISTING PILES SHALL BE REMOVED TO MINIMUM 2 FOOT BELOW FINISHED GROUND ELEVATION, UNLESS NOTED OTHERWISE. THE EXISTING FOOTINGS SHALL BE REMOVED COMPLETELY. IF AN EXISTING PILE IS IN INTERFERENCE WITH A NEW PILE, THE EXISTING PILE SHALL BE REMOVED AND THE CAVITY SHALL BE FILLED WITH SAND.



TOE DETAIL FOR CONCRETE PAVING (N.T.S.)

NOTE:

COST OF TOE TO BE INCLUDED IN ITEM 706(03)(A) INCIDENTAL CONCRETE PAVING (4" THICK), PER SQUARE YARD.

PLAN
SCALE: 1" = 20'

NOTE:

THE CONTRACTOR SHALL NOT REMOVE THE SOIL BERM (OR PLUG) AT THE CANAL BOTTOM UNDER THE EXISTING BRIDGES WITHOUT APPROVAL OF THE PROJECT ENGINEER. THE REMOVAL OF THE PLUG AT CANAL BOTTOM MAY CAUSE THE EXISTING BRIDGES TO SETTLE OR FALL. THE BERM REMOVAL SHALL BE DONE WHEN ALL TRAFFIC IS ON THE NEW BRIDGES AND IT WILL BE PAID UNDER BID ITEM S-006 CHANNEL IMPROVEMENT IN 17th STREET CANAL.

NOTES:

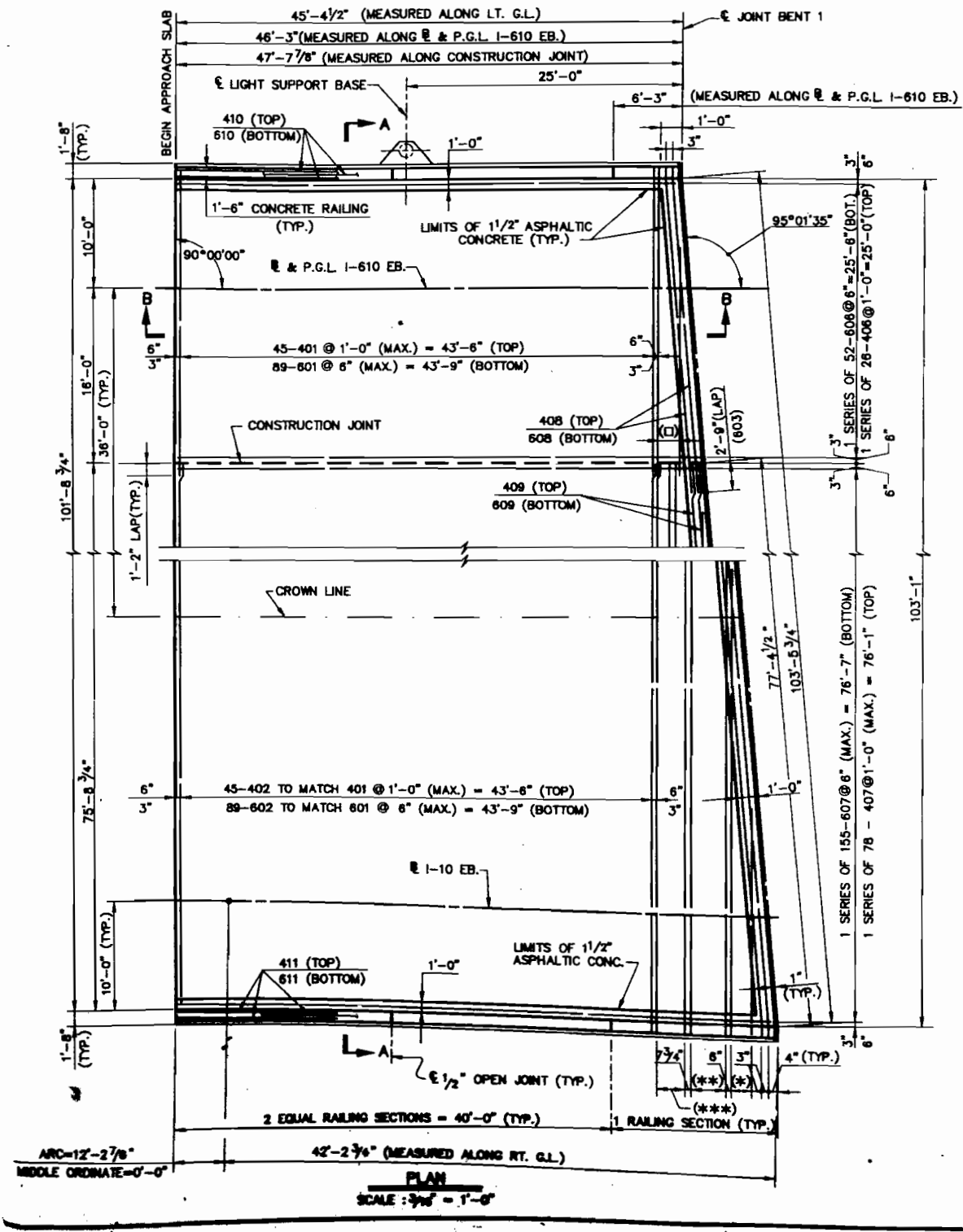
- FOR GENERAL NOTES, SEE SHEET 101
- FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-106
- FOR PILE DATA, SEE SHEETS 501-503



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
1-610 EB. OVER 17th STREET CANAL
FOUNDATION LAYOUT

Burk-Klempeter, Inc.		DATE: JUNE '98	
DESIGNED: G. MARSHALL	DETAILED: G.M.P./T.M.	CHECKED: G. MARSHALL	SCALE: 1"=20'
CHECKED: G. MARSHALL	CHECKED: G. MARSHALL	CHECKED: G. MARSHALL	SHEET NO. 1 OF 4

NO.	DATE	DESCRIPTION	BY
1	5-12-97	NOTE ADDED	



TOP OF SLAB ELEVATIONS

BENT	LT. G.L.	I-610 EB.	CONST. JT.	CROWN LINE	RT. G.L.
BEGIN APPROACH SLAB (●)	10.80	11.05	11.45	11.95	10.80
☉ JOINT BENT 1	11.52	11.79	12.22	12.75	11.42

(●) ELEVATIONS ARE THE FINISHED ELEVATIONS GIVEN ON TOP OF THE ASPHALT.

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET 101
 - FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-106
 - FOR BENT 1 DETAILS, SEE SHEETS 119-121
 - FOR CONCRETE RAILING DETAILS, SEE SHEETS 367-368
 - FOR PILE DATA, SEE SHEETS 501-503
 - FOR STRUCTURAL REMOVAL DETAILS, SEE SHEETS
 - FOR MISCELLANEOUS DETAILS, SEE SHEETS 371-372
 - FOR LIGHT SUPPORT DETAILS, SEE SHEET 357

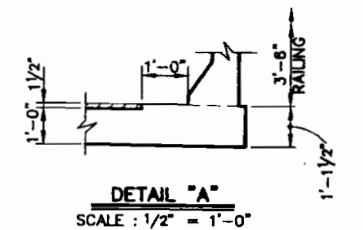
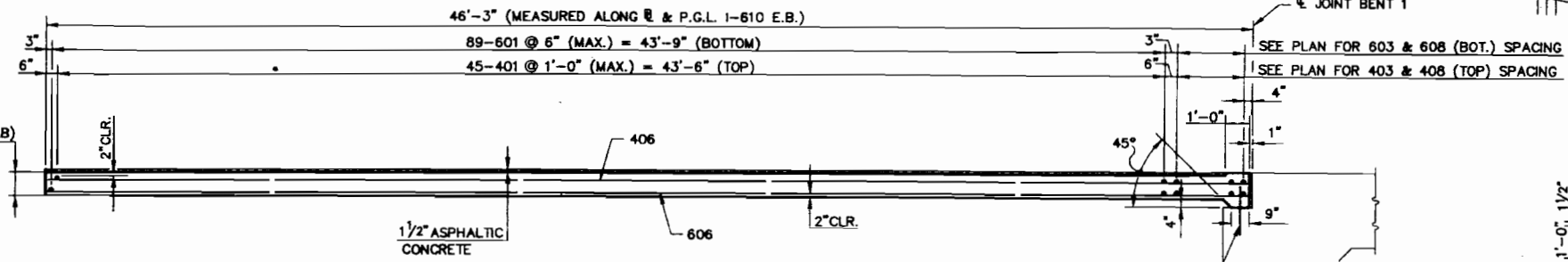
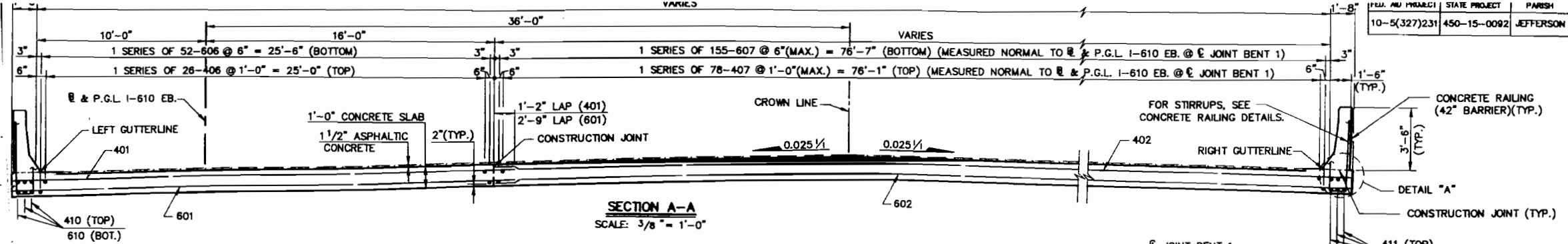
- (□) 1 SERIES OF 4-403 (TOP) & 6-603 (BOT.) EQ. SPACED = 2'-3"
- (***) 4-402 (TOP) & 5-802 (BOT.) EQ. SPACED = 2'-3"
- (**) 1 SERIES OF 5-405 (TOP) & 8-805 (BOT.) EQ. SPACED = 3'-3"
- (*) 1 SERIES OF 4-404 (TOP) & 6-604 (BOT.) EQ. SPACED = 2'-8"



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-610 EB. OVER 17th STREET CANAL
WEST APPROACH SLAB DETAILS

Burk-Klempeter, Inc.
Engineers • Architects • Planners • Builders
New Orleans, Louisiana

DATE	DESCRIPTION	BY	CHECKED	DATE	SCALE
	18-12-88 PILE SUPPORTED APPROACH SLAB REPLACED	BJG	DESIGNED: J. HARRIS	DATE: 12/18/88	SCALE: AS SHOWN
			CHECKED: SA. SMITH	CHECKED: GP. BERT	SHEET NO. 1 OF 2



REINFORCING STEEL SCHEDULE

APPROACH SLAB								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
601	89	30'-3"	STR.				2,692'-3"	TRANSVERSE BOTTOM OF SLAB
602	94	81'-4"	STR.				7,645'-4"	TRANSVERSE BOTTOM OF SLAB
603	1 SERIES OF 6	12'-4" TO 30'-3"	STR.				127'-9"	TRANSVERSE BOTTOM OF SLAB
604	1 SERIES OF 8	10'-1" TO 38'-6"	STR.				145'-9"	TRANSVERSE BOTTOM OF SLAB
605	1 SERIES OF 8	46'-11" TO 81'-4"	STR.				513'-0"	TRANSVERSE BOTTOM OF SLAB
606	1 SERIES OF 52	45'-0" TO 47'-3"	STR.				2,398'-6"	LONG. BOTTOM OF SLAB
607	1 SERIES OF 155	47'-3" TO 54'-1"	STR.				7,853'-4"	LONG. BOTTOM OF SLAB
608	2	30'-5"	STR.				60'-10"	TRANSVERSE BOTTOM OF SLAB
609	2	81'-8"	STR.				163'-4"	TRANSVERSE BOTTOM OF SLAB
610	3	44'-11"	STR.				134'-9"	LONG. BOTTOM OF SLAB
611	3	54'-1"	STR.				162'-3"	LONG. BOTTOM OF SLAB
TOTAL # 6 BARS =							21,897'-1"	(32,890 LBS.)
401	45	28'-8"	STR.				1,290'-0"	TRANSVERSE TOP OF SLAB
402	49	79'-9"	STR.				3,907'-9"	TRANSVERSE TOP OF SLAB
403	1 SERIES OF 4	10'-9" TO 28'-9"	STR.				79'-0"	TRANSVERSE TOP OF SLAB
404	1 SERIES OF 4	10'-1" TO 38'-6"	STR.				97'-2"	TRANSVERSE TOP OF SLAB
405	1 SERIES OF 5	46'-3" TO 79'-9"	STR.				315'-0"	TRANSVERSE TOP OF SLAB
406	1 SERIES OF 26	46'-2" TO 48'-5"	STR.				1,229'-7"	LONGITUDINAL TOP OF SLAB
407	1 SERIES OF 78	48'-5" TO 55'-3"	STR.				4,043'-0"	LONGITUDINAL TOP OF SLAB
408	2	28'-10"	STR.				57'-8"	TRANSVERSE TOP OF SLAB
408	2	80'-1"	STR.				180'-2"	TRANSVERSE TOP OF SLAB
410	3	48'-1"	STR.				138'-3"	LONGITUDINAL TOP OF SLAB
411	3	55'-3"	STR.				185'-9"	LONGITUDINAL TOP OF SLAB
TOTAL # 4 BARS =							11,483'-4"	(7,671 LBS.)

SECTION B-B
SCALE: 3/8" = 1'-0"

TABLE OF ESTIMATED QUANTITIES

ITEM	UNITS	QUANTITY
* CLASS AA CONCRETE	CU.YD.	197.52
* DEFORMED REINFORCING STEEL	LB.	40,561
CONCRETE RAILING (42" BARRIER)	LIN.FT.	99.84
CONCRETE APPROACH SLAB	SQ.YD.	587.55
ASPHALTIC CONCRETE	TON	45.11

* FOR INFORMATION ONLY. THE PRICE OF REINFORCING STEEL & CLASS AA CONCRETE SHALL BE INCLUDED IN THE BID PRICE FOR ITEM NO. 813 (01). CONCRETE APPROACH SLAB, PER SQUARE YARD.

ALL # 6 BARS ARE GRADE 60 STEEL
 ■ INCLUDES 1 (ONE) 2'-9" LAP SPLICE.
 ▲ INCLUDES 1 (ONE) 1'-2" LAP SPLICE.

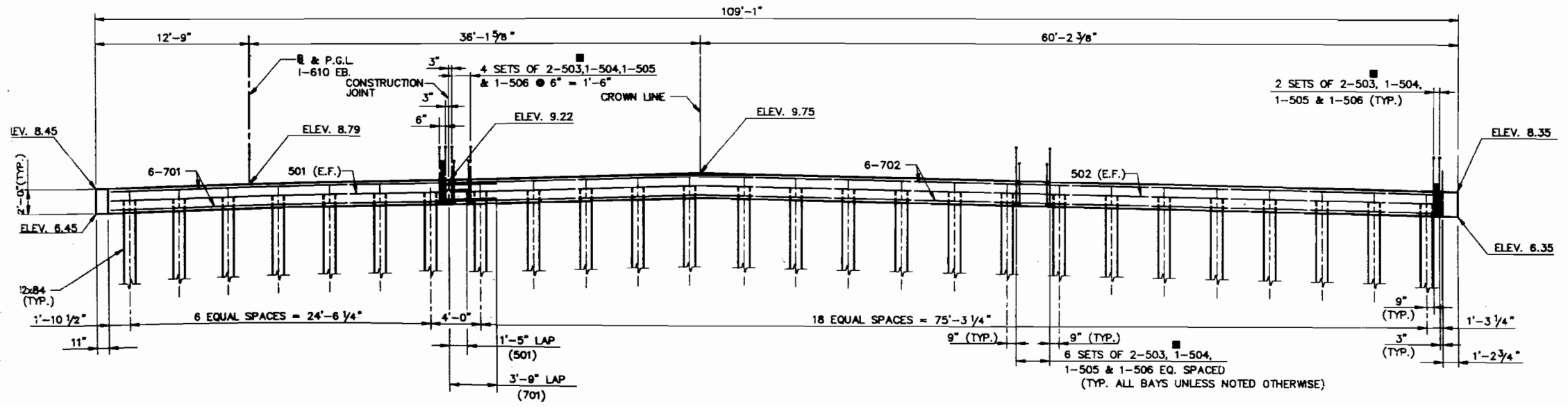
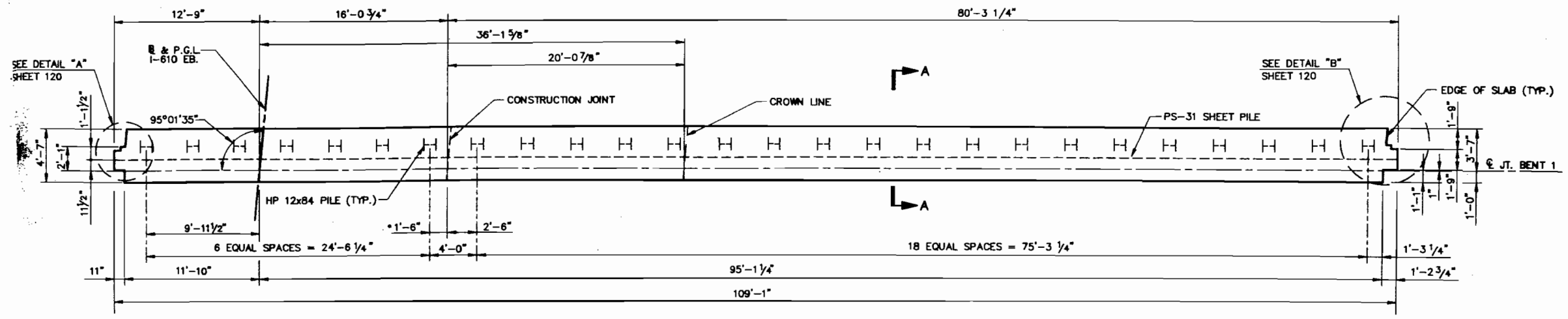
NOTE A:
 No. 6 DOWELS SHALL BE SMOOTH REINFORCING STEEL OR 3/4" DIAMETER A-36 SMOOTH RODS.
 ALL EXPOSED ENDS OF No. 6 DOWELS TO BE WRAPPED WITH TWO (2) LAYERS OF 15 LB. TAR PAPER. CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/4" THICK MAY BE SUBSTITUTED.
 THE CONTRACTOR MAY SET THE No. 6 DOWELS BY ONE OF THE FOLLOWING METHODS:
 1. SETTING DOWELS IN PORTLAND CEMENT MORTAR IN PREFORMED HOLES HAVING A MINIMUM DIAMETER OF 3".
 2. SETTING DOWELS AT INITIAL CASTING.



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-610 EB. OVER 17th STREET CANAL
WEST APPROACH SLAB DETAILS

Burk-Klempeter, Inc.
 Registered Professional Engineer
 New Orleans, Louisiana

DESIGNED: J. HUBBERT	DATE: APR 85
CHECKED: S.L. SMITH	SCALE: AS SHOWN
DATE: 10-15-88	SHEET NO. 2 OF 3

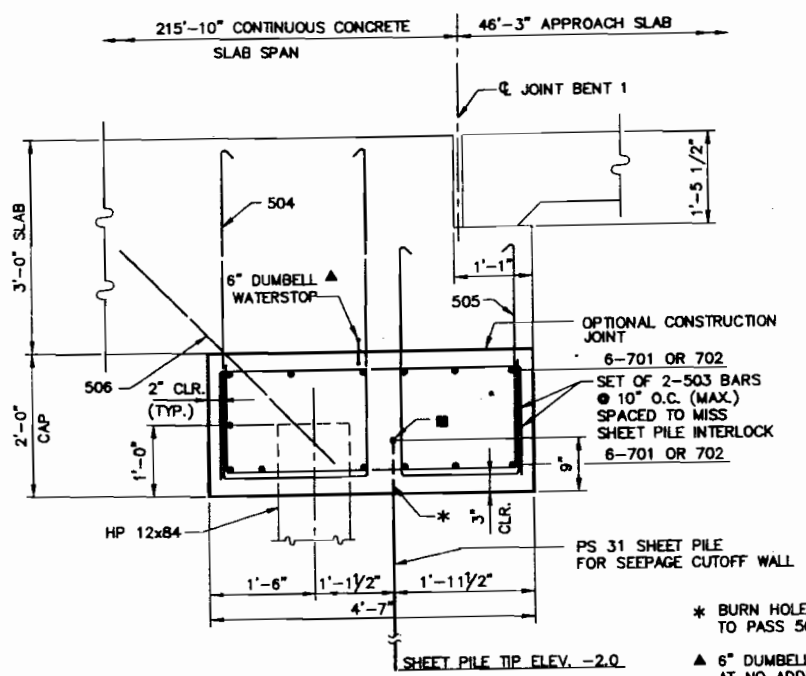


NOTES:
 FOR GENERAL NOTES, SEE SHEET 101.
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-108.
 FOR FOUNDATION LAYOUT, SEE SHEETS 107-110.
 FOR APPROACH SLAB DETAILS, SEE SHEETS 115-118.
 FOR SLAB DETAILS, SEE SHEETS 201-203.
 FOR FLOOD WALL TRANSITION, SEE SHEETS 379-384.

■ 2-503 TO BE SPACED TO MISS SHEET PILE INTERLOCKS.

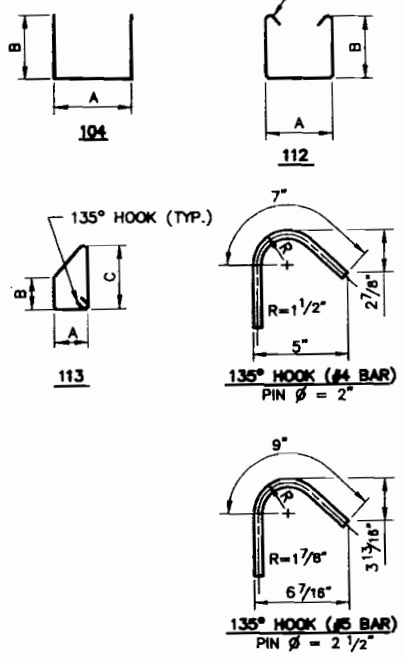


STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
INTERSTATE 10 17th Street Canal-Southern R/R Underpass	
I-610 EB. OVER 17th STREET CANAL	
BENT DETAILS BENT 1	
Burk-Klempeter, Inc. New Orleans, Louisiana	
DESIGNED: R. QUINN	DATE: APR 78
CHECKED: G. P. MEYER	SCALE: AS SHOWN
DATE: _____	BY: _____
DESCRIPTION: _____	REVISION: _____



SECTION A-A
SCALE: 1" = 1'-0"
(FOR SLAB REINFORCEMENT NOT SHOWN HERE, SEE SLAB DETAILS)

- * BURN HOLE IN SHEET PILE TO PASS 503
- ▲ 6" DUMBELL WATERSTOP IS REQUIRED AT NO ADDITIONAL COST, IF OPTIONAL CONSTRUCTION JOINT IS USED.
- #6 BAR WELDED TO EACH SHEET PILE (NO DIRECT PAY), TO BE PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS-31), SEE BONDING NOTES.

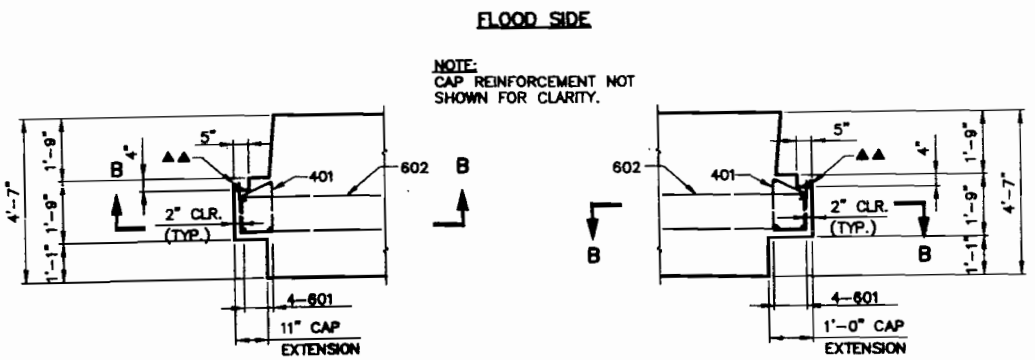


REINFORCING STEEL SCHEDULE								
BENT 1								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
701	12	31'-6"	STR.				378'-0"	LONGITUDINAL IN CAP
702	12	82'-8"	STR.				992'-0"	LONGITUDINAL IN CAP
TOTAL # 7 BARS =							1,370'-0"	(2,801 LBS.)
601	8	8'-2"	STR.				65'-4"	VERTICAL IN CAP EXTENSION
602	6	8'-9"	104	1'-1"	3'-10"		52'-6"	HORIZ. IN CAP EXTENSION
TOTAL # 6 BARS =							117'-10"	(177 LBS.)
501	2	29'-2"	STR.				58'-4"	LONGITUDINAL IN CAP
502	2	80'-4"	STR.				160'-8"	LONGITUDINAL IN CAP
503	308	7'-7"	104	4'-3"	1'-8"		2,335'-8"	STIRRUPS IN CAP
504	154	12'-5"	112	2'-2"	4'-6"		1,912'-2"	STIRRUPS IN CAP
505	154	9'-5"	112	1'-7"	3'-3 1/2"		1,450'-2"	STIRRUPS IN CAP
506	154	4'-0"	STR.				616'-0"	DIAGONAL DOWELS IN CAP
TOTAL # 5 BARS =							6,533'-0"	(6,814 LBS.)
401	6	5'-4"	113	0'-10 3/4"	1'-1"	1'-5"	32'-0"	TIES IN CAP EXTENSION
TOTAL # 4 BARS =							32'-0"	(22 LBS.)

** INCLUDES 1 (ONE) 3'-9" LAP SPLICE
 ■■ INCLUDES 1 (ONE) 1'-5" LAP SPLICE

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS A CONCRETE (BENTS)	CU.YD.	36.38
DEFORMED REINFORCING STEEL	LB.	9,814
STRUCTURAL EXCAVATION	CU.YD.	153.1
MAXIMUM PILE LOAD	TON	88

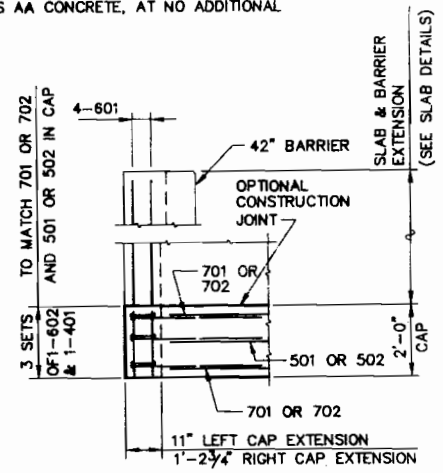
NOTE: THE CONTRACTOR MAY ELECT TO POUR CAP AND SLAB TOGETHER IN ONE POUR, USING CLASS AA CONCRETE, AT NO ADDITIONAL COST.



DETAIL "A"
SCALE: 1/2" = 1'-0"

DETAIL "B"
SCALE: 1/2" = 1'-0"

▲▲ REQUIRED "L"-TYPE WATERSTOP TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FOOT. SEE SHEETS 378-384 FOR DETAILS.



SECTION B-B
SCALE: 1/2" = 1'-0"

NOTE: STIRRUPS IN CAP NOT SHOWN FOR CLARITY.

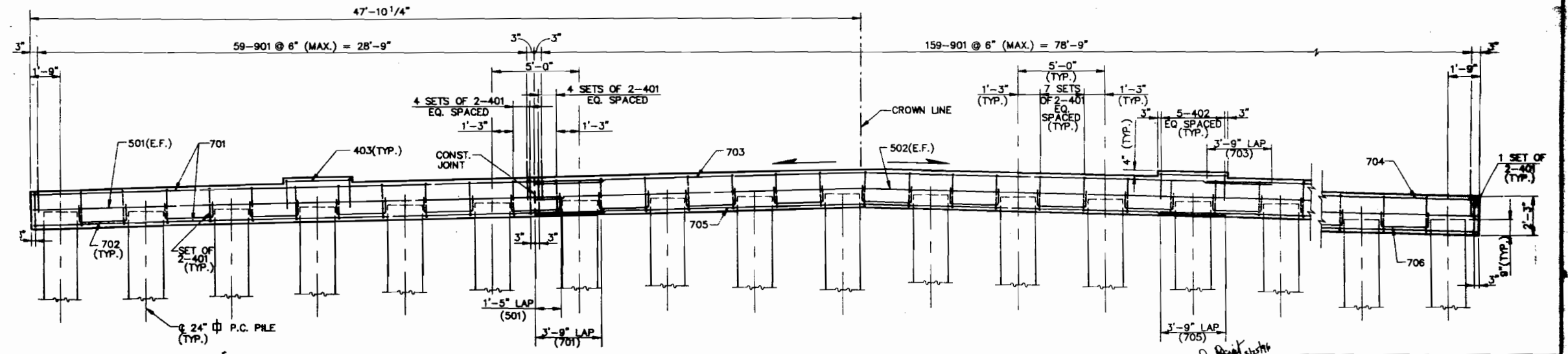
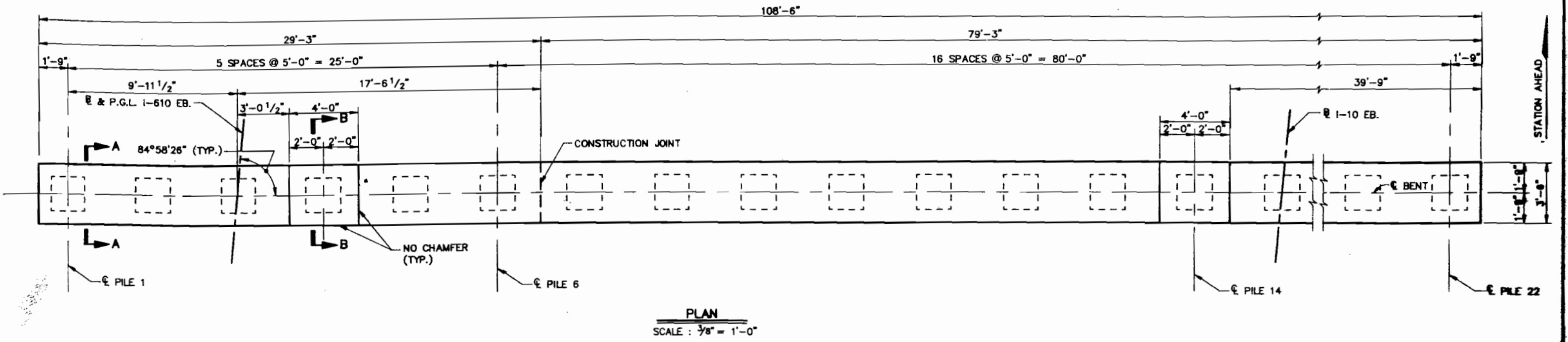
- BONDING NOTES:**
- #6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH SHEET PILE. LAP SPlicing OF #6 REINFORCING BAR WILL NOT BE ALLOWED, #6 BAR SHALL BE WELDED.
 - WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINTS.



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-610 EB. OVER 17th STREET CANAL
BENT DETAILS
BENT 1
 Burk-Klempeter, Inc.
 Registered Professional Engineer
 New Orleans, Louisiana

DESIGNED: R. OWENS	DRAWN: S. OWENS	DATE: 10/19/87
CHECKED: G. P. OWENS	CHECKED: S. OWENS	SCALE: AS SHOWN
SHEET NO. 3 OF 3		

NO.	DESCRIPTION	DATE
15-88	FILE SUPPORTED APPROACH SLAB REPLACED	8/80
		87



TOP OF BENT CAP ELEVATIONS			
LT. EDGE	CONST. JT.	CROWN LINE	RT. EDGE
9.28	10.05	10.53	9.13

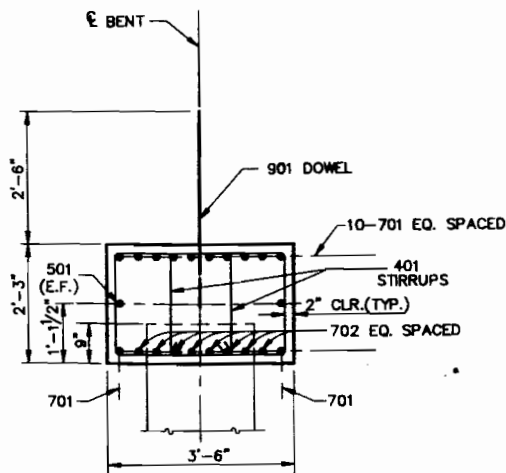


STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-610 EB. OVER 17th STREET CANAL
**BENT DETAILS
BENT 2**

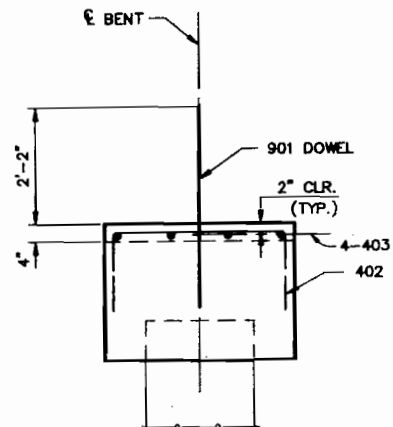
Burk-Klempeter, Inc.
Engineers - Architects - Planners - Environmental Scientists
New Orleans, Louisiana

DESIGNED: J. HANCOCK	DATE: 10/80
CHECKED: S. L. SHAN	SCALE: AS SHOWN
CHECKED: S. R. BENT	SHEET NO. 1 OF 2

DATE	DESCRIPTION	BY

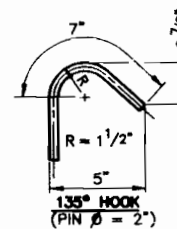
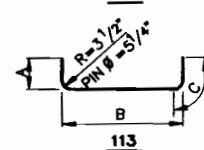
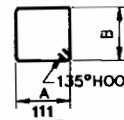
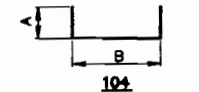


SECTION A-A
SCALE: 3/4" = 1'-0"



(CAP REINFORCEMENT NOT SHOWN FOR CLARITY)

SECTION B-B
SCALE: 3/4" = 1'-0"



REINFORCING STEEL SCHEDULE								
BENT 2								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
901	218	3'-9"	STR.				817'-6"	DOWELS IN CAP
TOTAL # 9 BARS =							817'-6"	(2,780 LBS.)
701	12	33'-0"	STR.				396'-0"	LONGITUDINAL IN CAP
702	168	4'-7"	113	1'-2"	2'-6"	1'-4"	770'-0"	LONG. IN CAP BETWEEN PILES
703	10	41'-9"	STR.				417'-6"	LONGITUDINAL IN CAP
704	10	41'-0"	STR.				410'-0"	LONGITUDINAL IN CAP
705	2	39'-3"	STR.				78'-6"	LONGITUDINAL IN CAP
706	2	43'-6"	STR.				87'-0"	LONGITUDINAL IN CAP
TOTAL # 7 BARS =							2,159'-0"	(4,413 LBS.)
501	2	30'-6"	STR.				61'-0"	LONGITUDINAL IN CAP
502	2	81'-9"	STR.				163'-6"	LONGITUDINAL IN CAP
TOTAL # 5 BARS =							224'-6"	(234 LBS.)
401	300	9'-1"	111	2'-1 7/8"	1'-11"		2,725'-0"	STIRRUPS
402	10	6'-0"	104	1'-5"	3'-2"		60'-0"	TRANSVERSE @ KEYS
403	8	3'-8"	STR.				29'-4"	LONGITUDINAL IN KEYS
TOTAL # 4 BARS =							2,814'-4"	(1,880 LBS.)

(▲)

ALL EXPOSED ENDS OF 901 DOWELS TO BE WRAPPED WITH TWO LAYERS OF 15 LB. TAR PAPER. CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/16" THICK MAY BE SUBSTITUTED.

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNITS	QUANTITY
CLASS A CONCRETE (BENTS)	CU. YD.	29.55
DEFORMED REINFORCING STEEL	LB.	9,307
MAXIMUM PILE LOAD	TON	120

(▲) INCLUDES 2 (TWO) 1'-5" LAP SPLICES.

NOTES:

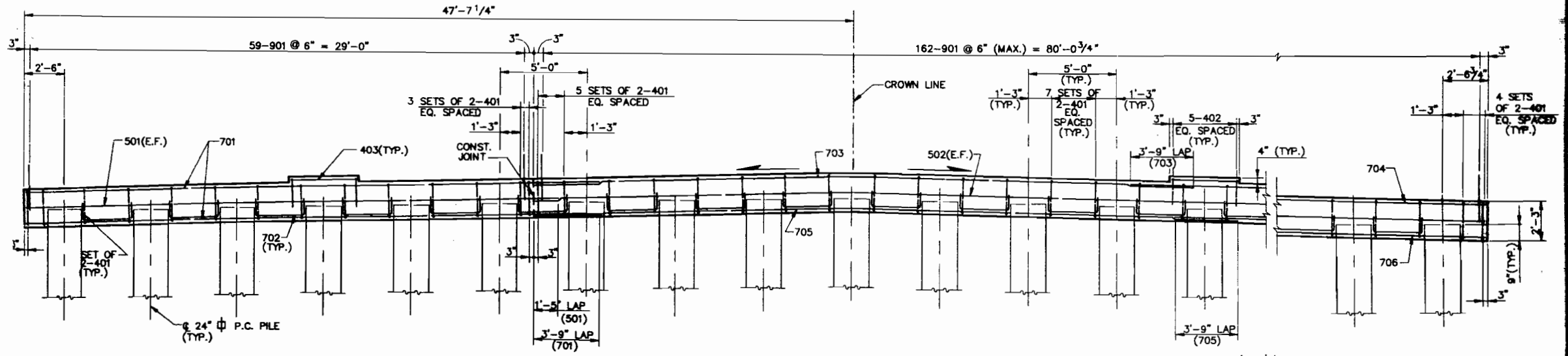
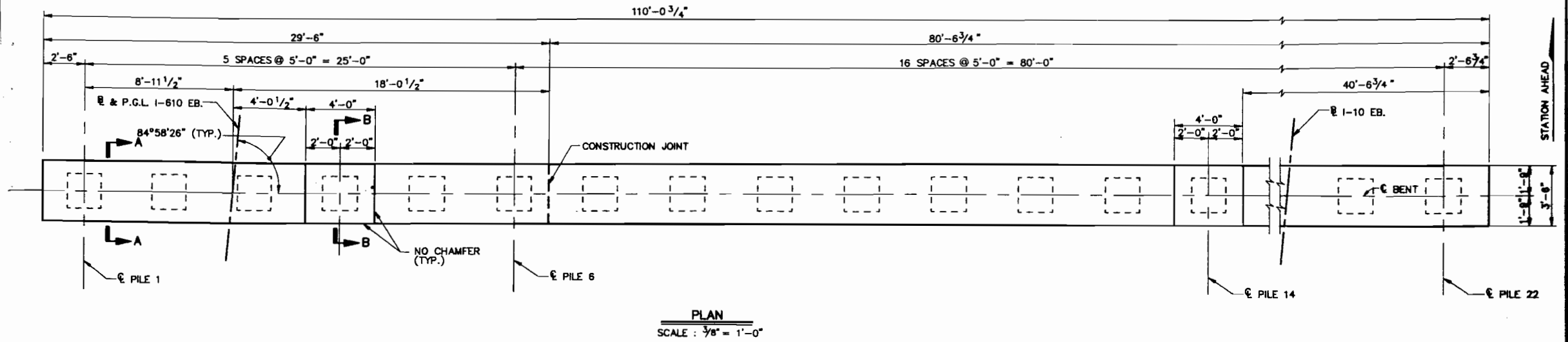
FOR GENERAL NOTES, SEE SHEET 101
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-106
 FOR PILE DATA, SEE SHEETS 501-503
 FOR FOUNDATION LAYOUT, SEE SHEETS 107-110



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-610 EB. OVER 17th STREET CANAL
BENT DETAILS
BENT 2
 Burk-Klempeter, Inc.
 Engineers • Architects • Planners • Environmental Scientists
 New Orleans, Louisiana

DESIGNED: A. HUBBERT	DATE: 10/88
CHECKED: S. L. SMITH	SCALE: AS SHOWN
BY: _____	SHEET NO. 2 OF 2

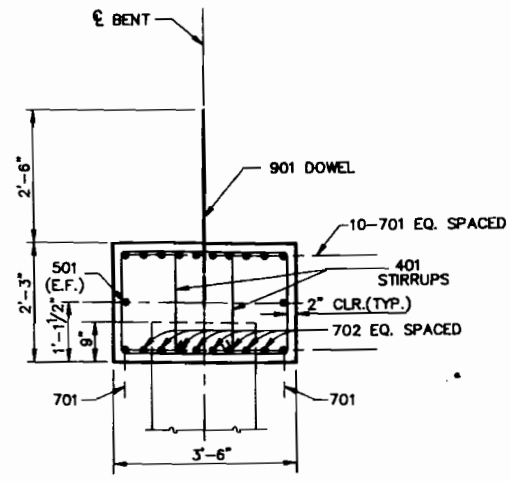
DATE	DESCRIPTION	BY



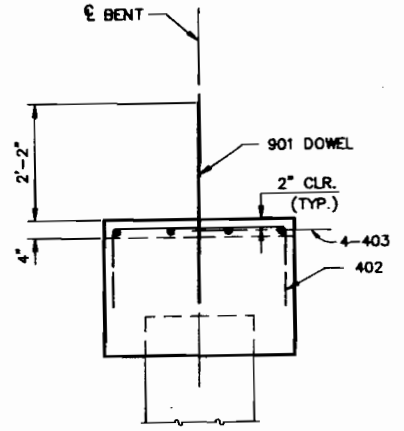
TOP OF BENT CAP ELEVATIONS			
LT. EDGE	CONST. JT.	CROWN LINE	RT. EDGE
10.77	11.58	12.04	10.58

Additional sheets

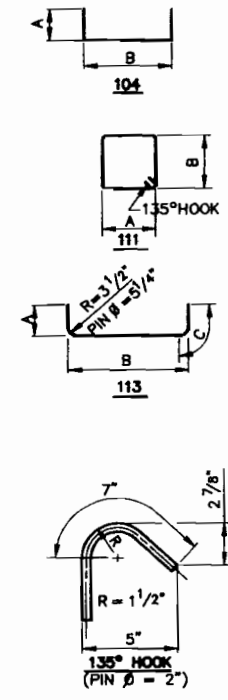
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT					
INTERSTATE 10 17th Street Canal-Southern R/R Underpass					
1-610 EB. OVER 17th STREET CANAL					
BENT DETAILS BENT 3					
Burk-Klempeter, Inc. <small>Engineers • Architects • Planners • Environmental Scientists New Orleans, Louisiana</small>					
DESIGNED: J. HUBBERT	DATE: 5/18/84	DRAWN: P. B. BENT	DATE: 5/18/84	CHECKED: E. T. BENT	SCALE: AS SHOWN
DATE: _____	DESCRIPTION: _____	BY: _____	CHECKED: _____	DATE: _____	SCALE: _____
SHEET NO. 1 OF 2					



SECTION A-A
 SCALE: 3/4" = 1'-0"



(CAP REINFORCEMENT NOT SHOWN)
SECTION B-B
 SCALE: 3/4" = 1'-0"



REINFORCING STEEL SCHEDULE									
BENT 3									
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION	
				A	B	C			
901	221	3'-9"	STR.				828'-9"	DOWELS IN CAP	
TOTAL # 9 BARS =							828'-9"	(2,818 LBS.)	
701	12	33'-3"	STR.				399'-0"	LONGITUDINAL IN CAP	
702	168	4'-7"	113	1'-2"	2'-6"	1'-4"	770'-0"	LONG. IN CAP BETWEEN PILES	
703	10	37'-3"	STR.				372'-6"	LONGITUDINAL IN CAP	
704	10	47'-0"	STR.				470'-0"	LONGITUDINAL IN CAP	
705	2	39'-9"	STR.				79'-6"	LONGITUDINAL IN CAP	
706	2	44'-6"	STR.				89'-0"	LONGITUDINAL IN CAP	
TOTAL # 7 BARS =							2,180'-0"	(4,456 LBS.)	
501	2	30'-9"	STR.				61'-6"	LONGITUDINAL IN CAP	
502	2	83'-3"	STR.				166'-6"	LONGITUDINAL IN CAP	
TOTAL # 5 BARS =							228'-0"	(236 LBS.)	
401	312	9'-1"	111	2'-1 7/8"	1'-11"		2,834'-0"	STIRRUPS	
402	10	6'-0"	104	1'-5"	3'-2"		60'-0"	TRANSVERSE @ KEYS	
403	8	3'-8"	STR.				29'-4"	LONGITUDINAL IN KEYS	
TOTAL # 4 BARS =							2,923'-4"	(1,953 LBS.)	

ALL EXPOSED ENDS OF 901 DOWELS TO BE WRAPPED WITH TWO LAYERS OF 15 LB. TAR PAPER. CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/16" THICK MAY BE SUBSTITUTED.

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNITS	QUANTITY
CLASS A CONCRETE (BENTS)	CU. YD.	30.00
DEFORMED REINFORCING STEEL	LB.	9,465
MAXIMUM PILE LOAD	TON	121

(A) INCLUDES 2 (TWO) 1'-5" LAP SPLICES.

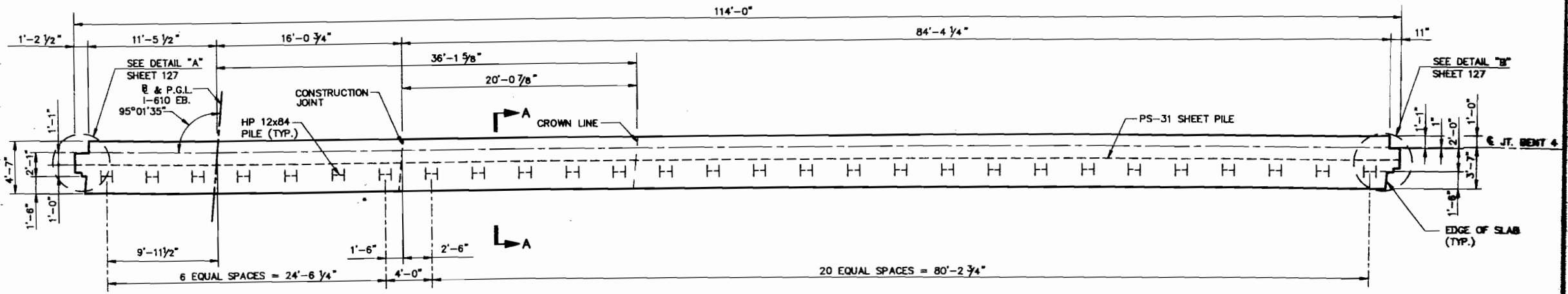
NOTES:
 FOR GENERAL NOTES, SEE SHEET 101
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-108
 FOR PILE DATA, SEE SHEETS 501-503
 FOR FOUNDATION LAYOUT, SEE SHEETS 107-110



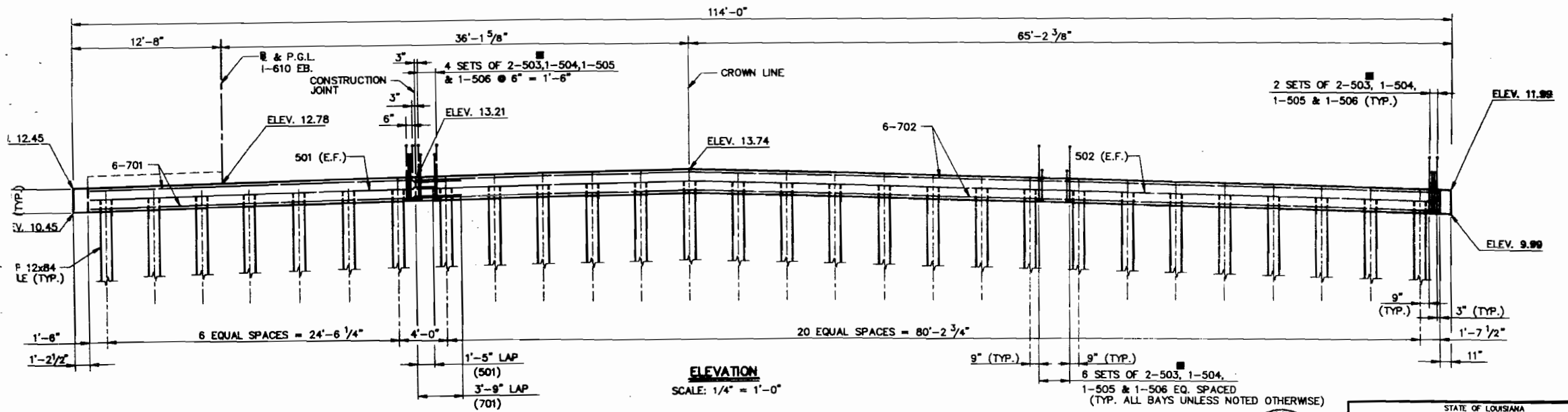
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-610 EB. OVER 17th STREET CANAL
BENT DETAILS
BENT 3
 Burk-Klempeter, Inc.
 Engineers • Architects • Planners • Environmental Scientists
 New Orleans, Louisiana

DESIGNED: J. H. H. H.	DATE: JUL 78
CHECKED: B. L. SMITH	SCALE: AS SHOWN
DATE: _____	BY: _____
DESCRIPTION: _____	BY: _____

DATE: _____	DESCRIPTION: _____	BY: _____
DATE: _____	DESCRIPTION: _____	BY: _____



PLAN
SCALE: 1/4" = 1'-0"



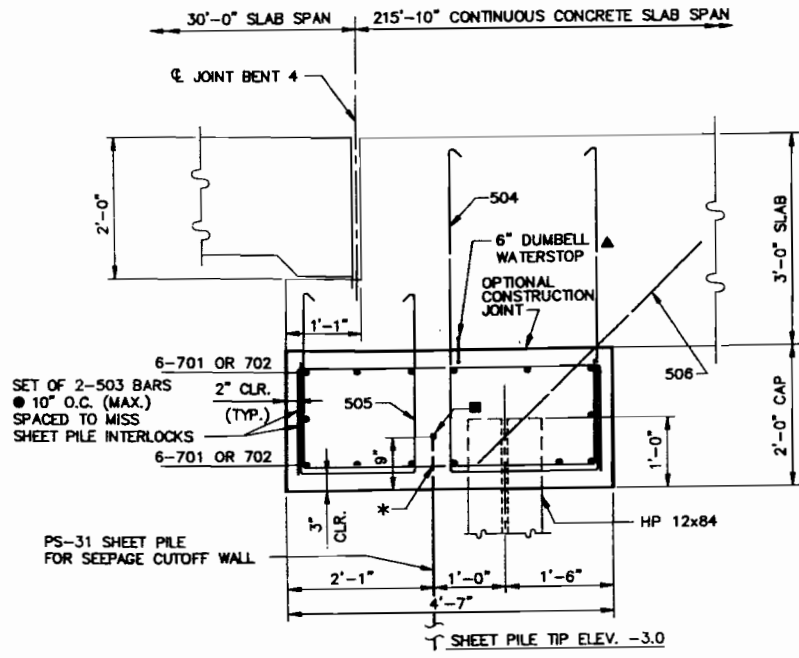
ELEVATION
SCALE: 1/4" = 1'-0"

NOTES:
 1. FOR GENERAL NOTES, SEE SHEET 101.
 2. FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-106.
 3. FOR FOUNDATION LAYOUT, SEE SHEETS 107-110.
 4. FOR SLAB DETAILS, SEE SHEETS 201-203.
 5. FOR FLOOD WALL TRANSITION, SEE SHEETS 379-384.

■ 2-503 TO BE SPACED TO MISS SHEET PILE INTERLOCKS.



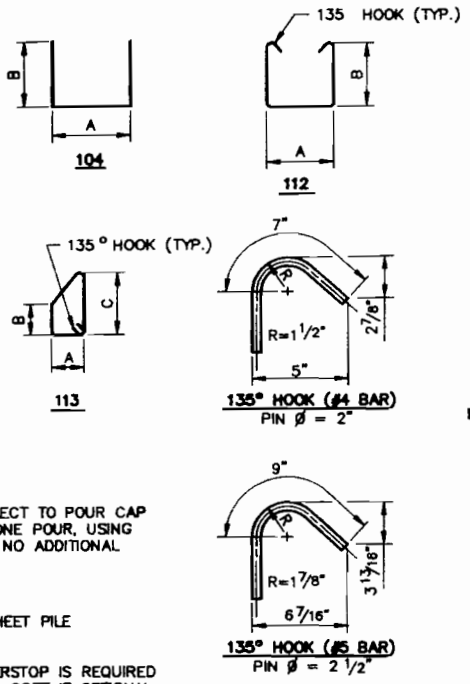
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT		
INTERSTATE 10 17th Street Canal-Southern R/R Underpass I-610 EB. OVER 17th STREET CANAL		
BENT DETAILS BENT 4		
Burk-Klempeter, Inc. Engineers & Architects • Planners • Environmental Scientists New Orleans, Louisiana		
DESIGNED: B. GHOSH	DETAILED: S. GHOSH	DATE: JUN 1988
CHECKED: G. P. BERRY	CHECKED: B. GHOSH	SCALE: AS SHOWN
DATE	DESCRIPTION	BY



SECTION A-A

SCALE: 1" = 1'-0"

(FOR SLAB REINFORCEMENT NOT SHOWN HERE, SEE SLAB DETAILS)



NOTE:

THE CONTRACTOR MAY ELECT TO POUR CAP AND SLAB TOGETHER IN ONE POUR, USING CLASS AA CONCRETE, AT NO ADDITIONAL COST.

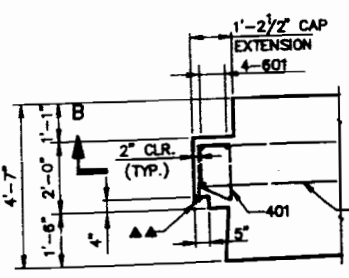
LEGEND:

- * BURN HOLE IN SHEET PILE TO PASS 503
- ▲ 6" DUMBELL WATERSTOP IS REQUIRED AT NO ADDITIONAL COST IF OPTIONAL CONSTRUCTION JOINT IS USED.
- #6 BAR WELDED TO EACH SHEET PILE (NO DIRECT PAY), TO BE PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL. (PS 31) SEE BONDING NOTES.
- ▲▲ REQUIRED L-TYPE WATERSTOP TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FOOT. SEE SHEETS 379-384 FOR DETAILS.

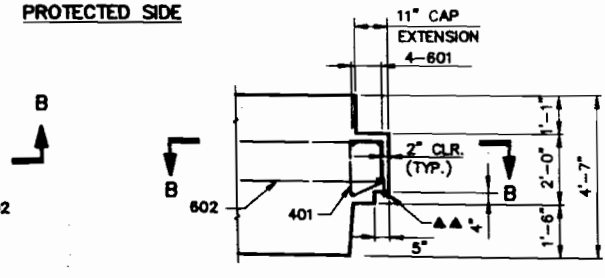
REINFORCING STEEL SCHEDULE								
BENT 4								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
701	12	31'-2"	STR.				374'-0"	LONGITUDINAL IN CAP
702	12	88'-0"	STR.				1,056'-0"	LONGITUDINAL IN CAP
TOTAL # 7 BARS =							1,430'-0"	(2,923 LBS.)
601	8	7'-4"	STR.				58'-8"	VERTICAL IN CAP EXTENSION
602	6	9'-0"	104	1'-4"	3'-10"		54'-0"	HORIZ. IN CAP EXTENSION
TOTAL # 6 BARS =							112'-8"	(170 LBS.)
501	2	28'-10"	STR.				57'-8"	LONGITUDINAL IN CAP
502	2	85'-8"	STR.				171'-4"	LONGITUDINAL IN CAP
503	332	7'-7"	104	4'-3"	1'-8"		2,517'-8"	STIRRUPS IN CAP
504	166	12'-5"	112	2'-2"	4'-6"		2,061'-2"	STIRRUPS IN CAP
505	166	8'-0"	112	1'-7"	2'-7"		1,328'-0"	STIRRUPS IN CAP
506	166	4'-0"	STR.				664'-0"	DIAGONAL DOWELS IN CAP
TOTAL # 5 BARS =							6,799'-10"	(7,093 LBS.)
401	6	5'-9"	113	0'-10 1/2"	1'-4"	1'-8"	34'-6"	TIES IN CAP EXTENSION
TOTAL # 4 BARS =							34'-6"	(24 LBS.)

** INCLUDES 1 (ONE) 3'-9" LAP SPLICE
 ■ ■ INCLUDES 1 (ONE) 1'-5" LAP SPLICE

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS A CONCRETE (BENTS)	CU. YD.	3.00
DEFORMED REINFORCING STEEL	LBS.	10,210
STRUCTURAL EXCAVATION	CU. YD.	14.4
MAXIMUM PILE LOAD	TON	60

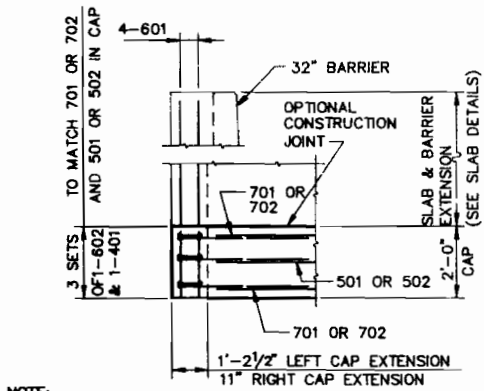


DETAIL "A"
SCALE: 1/2" = 1'-0"



DETAIL "B"
SCALE: 1/2" = 1'-0"

NOTE:
CAP REINFORCEMENT NOT SHOWN FOR CLARITY.

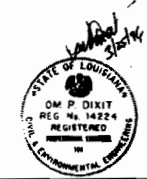


SECTION B-B
SCALE: 1/2" = 1'-0"

NOTE:
STIRRUPS IN CAP NOT SHOWN FOR CLARITY.

BONDING NOTES:

1. #6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH SHEET PILE. LAP SPlicing OF #6 REINFORCING BAR WILL NOT BE ALLOWED, #6 BAR SHALL BE WELDED.
2. WELDED CONNECTIONS SHALL BE COATED WITH SPlicing EPOXY TO OBTAIN MOISTURE PROOF JOINTS.

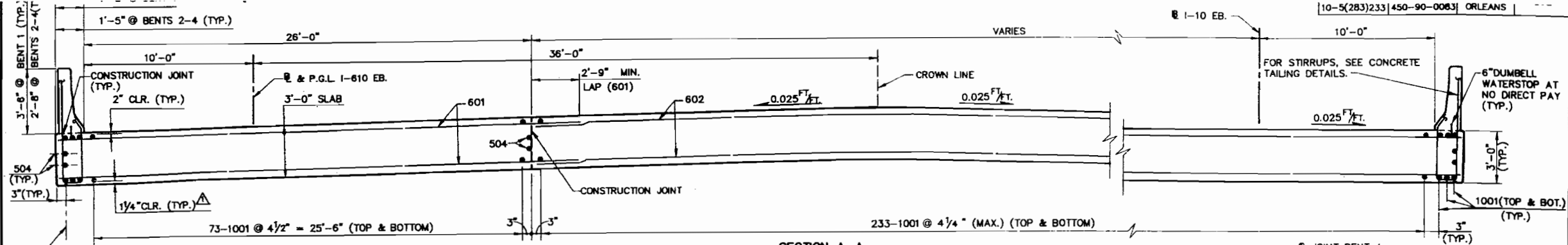


STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-610 EB. OVER 17th STREET CANAL
BENT DETAILS
BENT 4

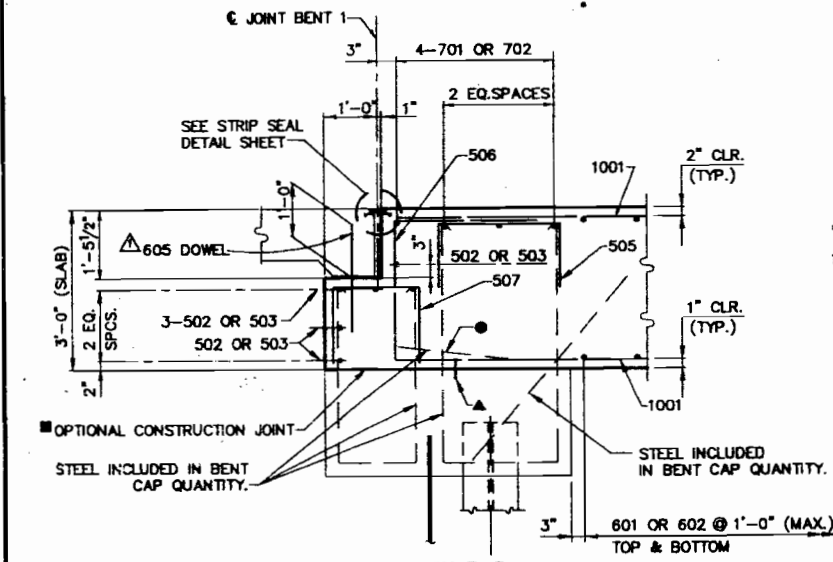
Burk-Klempeter, Inc.
 Engineers • Architects • Planners • Environmental Scientists
 New Orleans, Louisiana

DATE	DESCRIPTION	BY

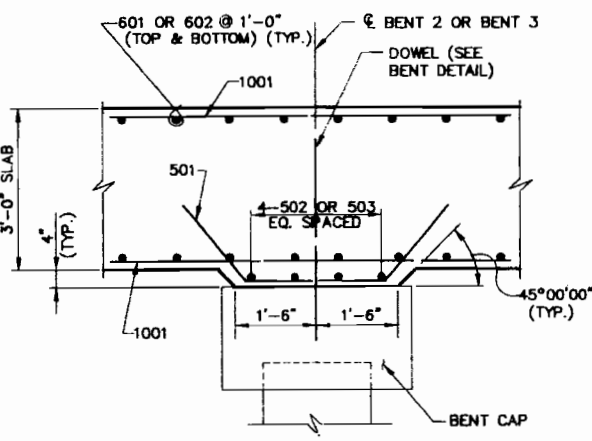
DESIGNED	DRAWN	DATE
G. P. BENT	R. BENT	
CHECKED	CHECKED	SCALE



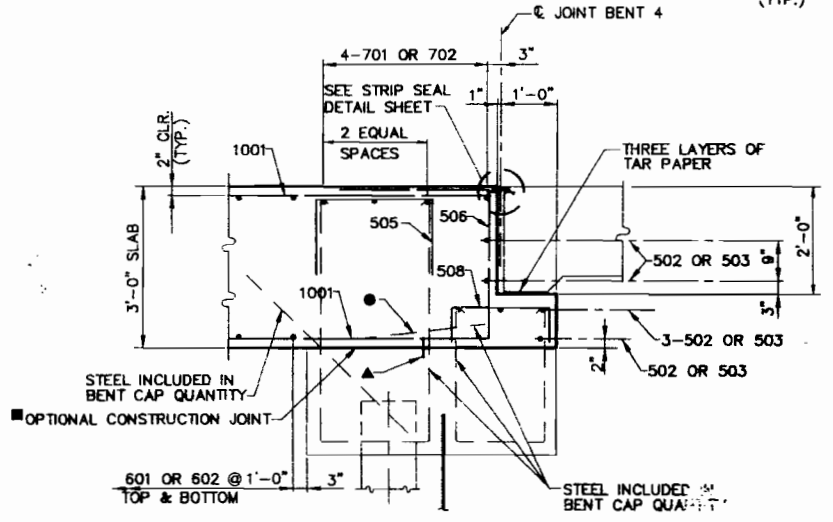
SECTION A-A
SCALE: 3/8" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"

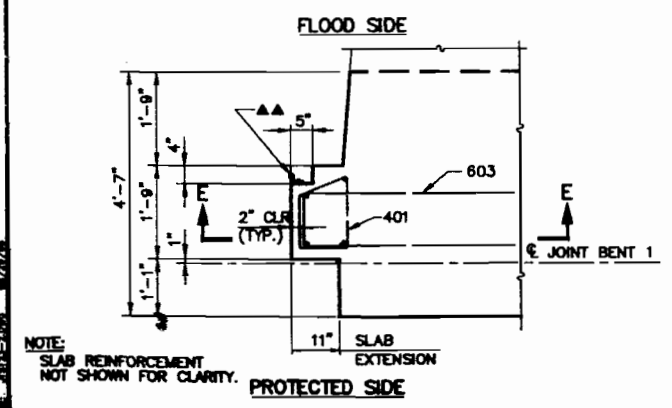


SECTION C-C
SCALE: 3/4" = 1'-0"

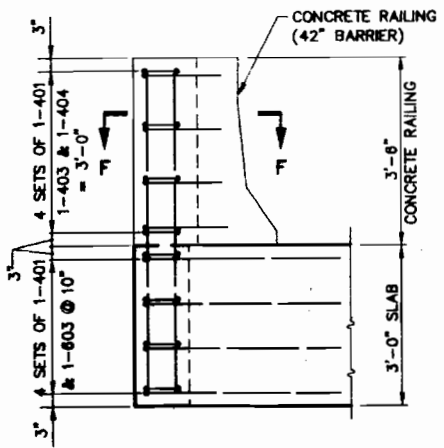


SECTION D-D
SCALE: 3/4" = 1'-0"

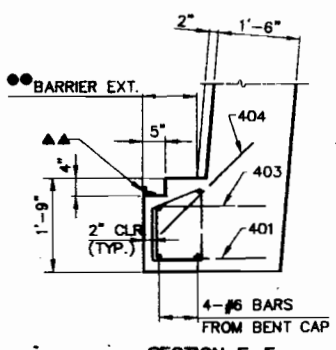
- LEGEND:**
- 1001 BARS MUST BE BENT TO CLEAR THE 6" DUMBELL WATERSTOP IF OPTIONAL CONSTRUCTION JOINT IS USED, AT NO ADDITIONAL COST.
 - CONCRETE QUANTITY FOR BARRIER EXTENSION IS TO BE INCLUDED IN ITEM 810(01)(C) CONCRETE RAILING (42" BARRIER), PER LIN. FT..
 - THE CONTRACTOR MAY ELECT TO POUR CAP AND SLAB TOGETHER IN ONE POUR, USING CLASS AA CONCRETE, AT NO ADDITIONAL COST.
 - ▲ 6" DUMBELL WATERSTOP IS REQUIRED AT NO ADDITIONAL COST, IF OPTIONAL CONSTRUCTION JOINT IS USED.
 - ▲ REQ'D. L-TYPE WATERSTOP COST TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FOOT. SEE SHEET 379-384 FOR DETAILS.



DETAIL A
SCALE: 3/4" = 1'-0"



SECTION E-E
SCALE: 3/4" = 1'-0"



SECTION F-F
SCALE: 3/4" = 1'-0"



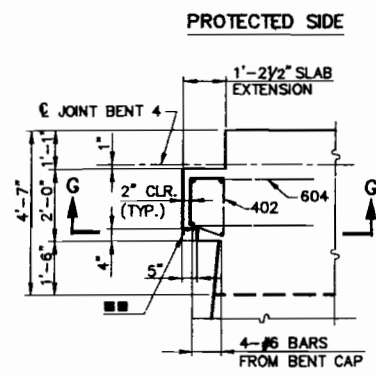
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-610 EB. OVER 17th STREET CANAL

**SLAB DETAILS
SPANS 1, 2 & 3**

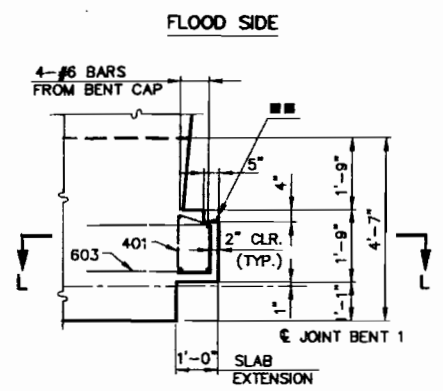
Burk-Klempeter, Inc.
REGISTERED PROFESSIONAL ENGINEERS
New Orleans, Louisiana

DESIGNED: R. GRIMM	CHECKED: G.P. HUNT	DATE: 11/83
DRAWN: R.T.L./S.A./G.R.	CHECKED: S. GRIMM	SCALE: AS SHOWN
DATE: _____		SCALE: AS SHOWN
DESCRIPTION: _____		SCALE: AS SHOWN
REVISIONS: _____		SCALE: AS SHOWN

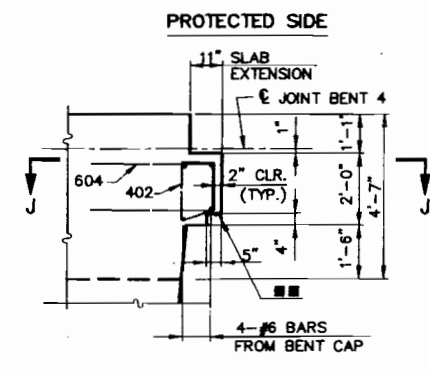
NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



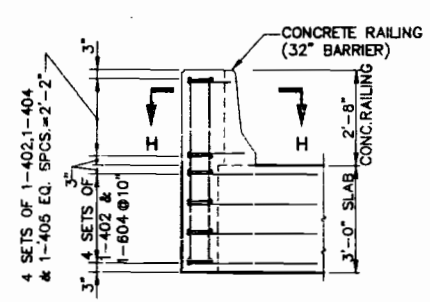
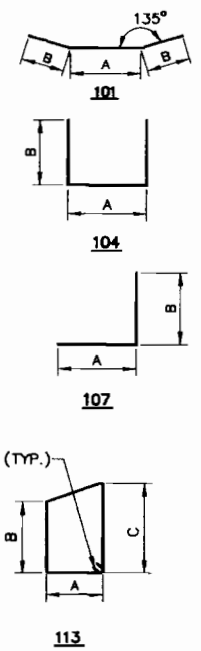
**** DETAIL "B"**
 SCALE: 1/2" = 1'-0"



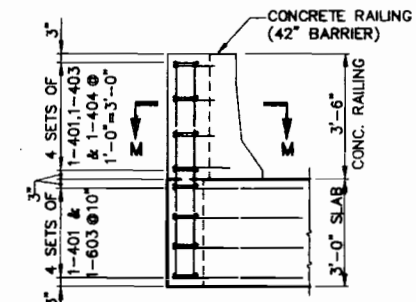
**** DETAIL "C"**
 SCALE: 1/2" = 1'-0"
**** NOTE:**
 SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



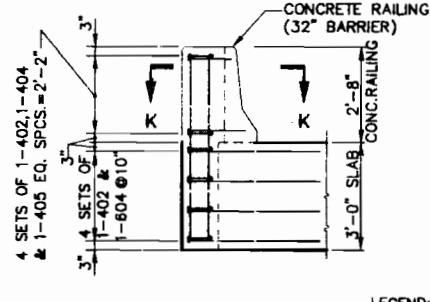
**** DETAIL "D"**
 SCALE: 1/2" = 1'-0"



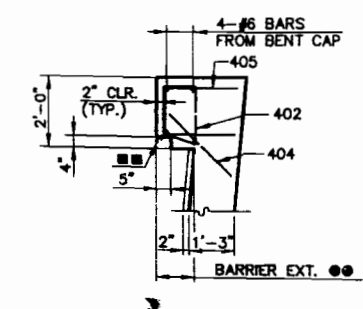
SECTION G-G
 SCALE: 1/2" = 1'-0"



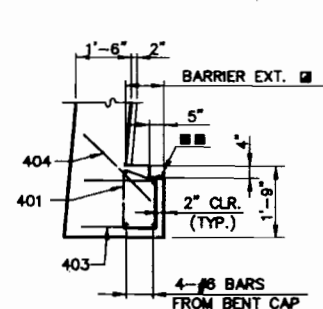
SECTION L-L
 SCALE: 1/2" = 1'-0"



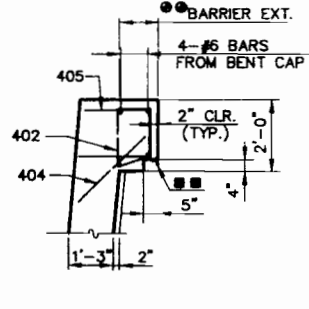
SECTION J-J
 SCALE: 1/2" = 1'-0"



SECTION H-H
 SCALE: 1/2" = 1'-0"



SECTION M-M
 SCALE: 1/2" = 1'-0"



SECTION K-K
 SCALE: 1/2" = 1'-0"

REINFORCING STEEL SCHEDULE									
SPANS 1, 2, & 3									
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION	
				A	B	C			
1001	624	239'-8"	STR.				49,552'-0"	LONGITUDINAL IN SLAB (T.&B.)	
TOTAL #10 BARS =							149,552'-0"	(643,523 LBS.)	
701	8	31'-5"	STR.				251'-4"	TRANS. IN SLAB (TOP @ ENDS)	
702	8	87'-10"	STR.				702'-8"	TRANS. IN SLAB (TOP @ ENDS)	
TOTAL #7 BARS =							954'-0"	(1,950 LBS.)	
601	420	30'-5"	STR.				12,775'-0"	TRANS. IN SLAB (T. & B.)	
602	420	86'-10"	STR.				36,470'-0"	TRANS. IN SLAB (T. & B.)	
603	8	8'-9"	104	1'-1"	3'-10"		70'-0"	HORIZ. IN SLAB EXT. @ BENT 1	
604	8	9'-0"	104	1'-4"	3'-10"		72'-0"	HORIZ. IN SLAB EXT. @ BENT 4	
605	72	2'-0"	STR.				144'-0"	DOWELS	
TOTAL #6 BARS =							49,531'-0"	(74,396 LBS.)	
501	223	6'-6"	101	2'-8"	1'-11"		1,449'-6"	IN HAUNCHES @ BENTS 2&3	
502	20	29'-1"	STR.				581'-8"	TRANS. HAUNCHES & SLAB END	
503	20	85'-6"	STR.				1,710'-0"	TRANS. HAUNCHES & SLAB END	
504	6	220'-2"	STR.				1,321'-0"	LONG. IN SLAB EDGES	
505	320	4'-8"	104	2'-2"	1'-3"		1,493'-4"	STIRRUPS @ BENTS 1&4	
506	320	5'-4"	107	2'-8"	2'-8"		1,706'-8"	STIRRUPS @ BENTS 1&4	
507	154	4'-1"	104	1'-7"	1'-3"		628'-10"	STIRRUPS @ BENTS 1	
508	166	2'-11"	104	1'-7"	0'-8"		484'-2"	STIRRUPS @ BENTS 4	
TOTAL #5 BARS =							9,375'-2"	(9,779 LBS.)	
401	16	5'-4"	113	0'-10 3/4"	1'-1"	1'-5"	85'-4"	TIES IN SLAB & BARRIER EXT.	
402	16	5'-9"	113	0'-10 1/2"	1'-4"	1'-8"	92'-0"	TIES IN SLAB & BARRIER EXT.	
403	8	5'-7"	104	1'-1"	2'-3"		44'-8"	HORIZ. IN BARRIER EXT.	
404	16	3'-0"	STR.				48'-0"	HORIZ. IN BARRIER EXT.	
405	8	5'-6"	104	1'-4"	2'-1"		44'-0"	HORIZ. IN BARRIER EXT.	
TOTAL #4 BARS =							314'-0"	(210 LBS.)	

- INCLUDES 3 (THREE) 7'-11" LAP SPLICES.
- INCLUDES 3 (THREE) 1'-5" LAP SPLICE.
- INCLUDES 1 (ONE) 1'-5" LAP SPLICE
- ▲ INCLUDES 1 (ONE) 3'-9" LAP SPLICE
- ▲▲ INCLUDES 1 (ONE) 2'-9" LAP SPLICE.
- GRADE 60 STEEL

- LEGEND:**
- REQ'D. "L"-TYPE WATERSTOP COST TO BE INCLUDED IN ITEM S-110 FLOODWALL, PER LIN. FOOT, SEE SHEETS 379-384 FOR DETAILS.
 - CONCRETE QUANTITY FOR BARRIER EXTENSION IS TO BE INCLUDED IN ITEM 810 (01)(A) CONCRETE RAILING (32" BARRIER), PER LIN. FT.
 - CONCRETE QUANTITY FOR BARRIER EXTENSION IS TO BE INCLUDED IN ITEM 810 (01)(C) CONCRETE RAILING (42" BARRIER), PER LIN. FT.

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CU.YD.	2,634.94
DEFORMED REINFORCING STEEL	LB.	729,859
CONCRETE RAILING (32" BARRIER)	LIN.FT.	297.52
CONCRETE RAILING (42" BARRIER)	LIN.FT.	134.89
STRIP SEAL JOINT	LIN.FT.	103.48

▲ ** No. 6 DOWELS SHALL BE No. 6 SMOOTH REINFORCING STEEL OR 3/4" DIAMETER A-36 SMOOTHS RODS.

ALL EXPOSED ENDS OF No. 6 DOWELS TO BE WRAPPED WITH TWO (2) LAYERS OF 15 LB. TAR PAPER. CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/4" THICK MAY BE SUBSTITUTED.

THE CONTRACTOR MAY SET THE No. 6 DOWELS BY ONE OF THE FOLLOWING METHODS:

- SETTING DOWELS IN PORTLAND CEMENT MORTAR IN PREFORMED HOLES HAVING A MINIMUM DIAMETER OF 3".
- SETTING DOWELS AT INITIAL CASTING.



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 1-610 EB. OVER 17th STREET CANAL

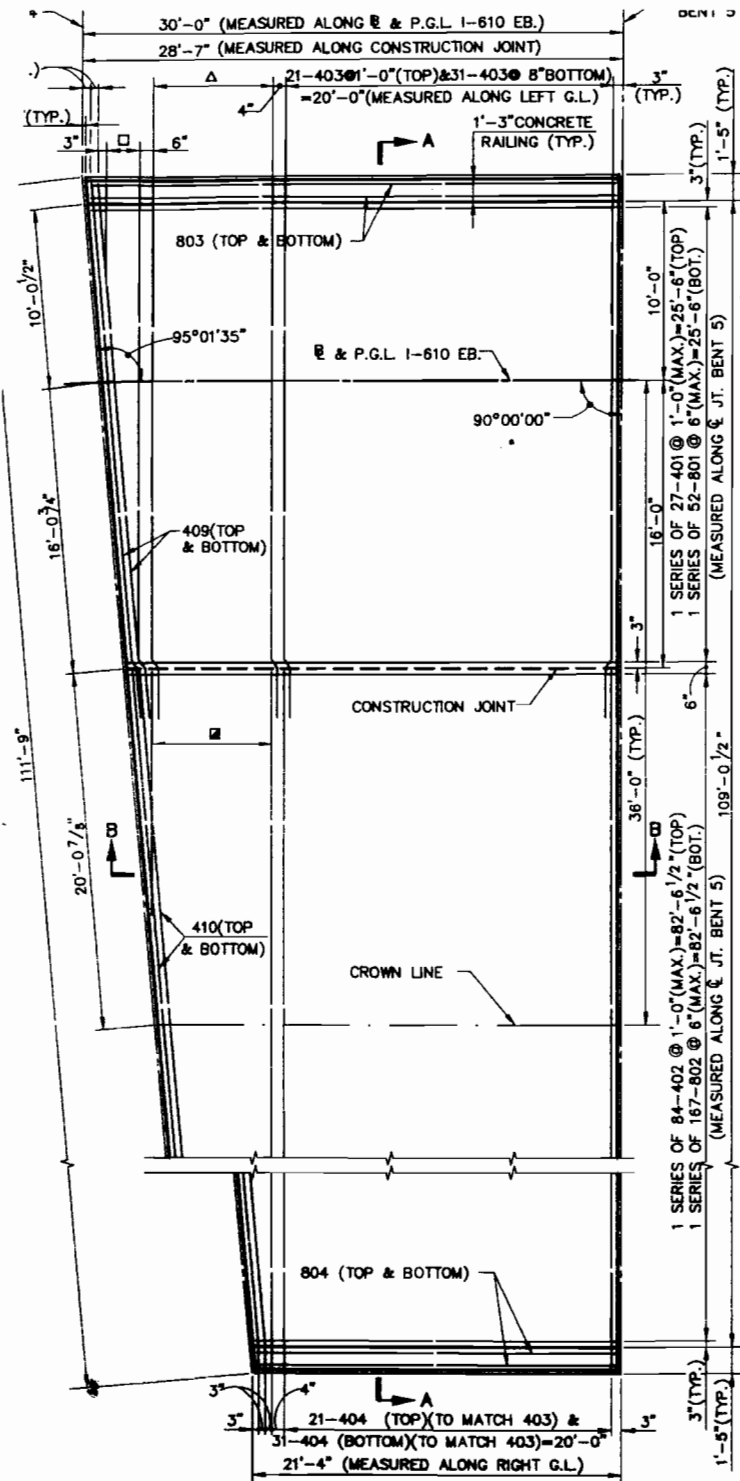
**SLAB DETAILS
 SPANS 1, 2 & 3**

Burk-Kleinpeter, Inc.
 Registered Professional Engineer
 New Orleans, Louisiana

DESIGNED BY: G. SHIFFIN	CHECKED BY: G. P. SHIFFIN	DATE: 11/15/88	SCALE: AS SHOWN
DETAILED BY: P.T.M./B.A.	CHECKED BY: R. SHIFFIN	DATE: 11/15/88	SCALE: AS SHOWN

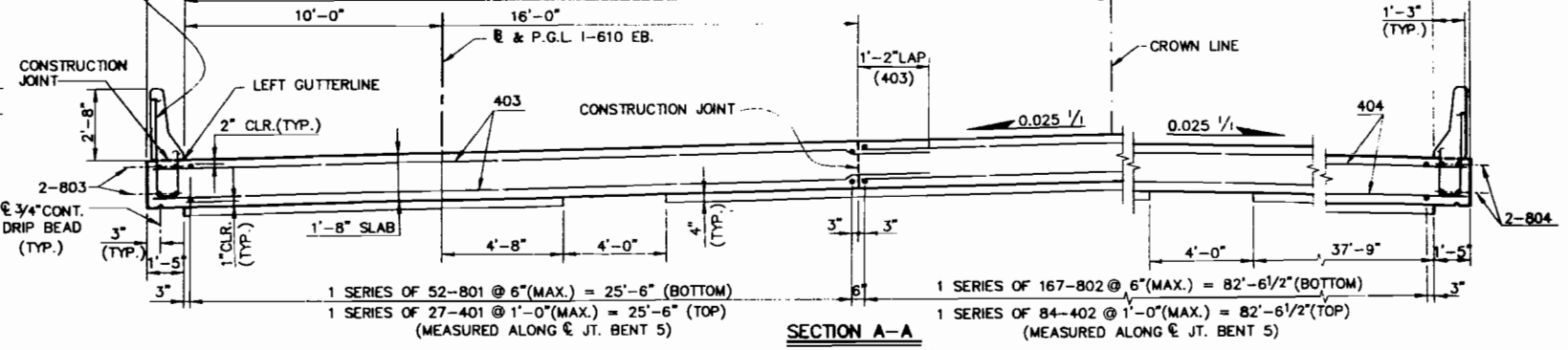
15-15 ON FILE SUPPORTED APPROACH SLAB REPLACED

NO.	DESCRIPTION	DATE



PLAN
SCALE: 1/4" = 1'-0"

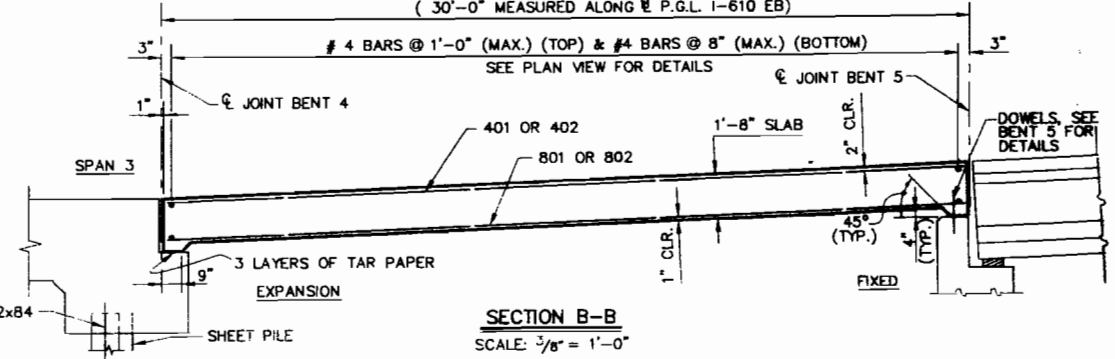
FOR STIRRUPS, SEE CONCRETE RAILING DETAILS



SECTION A-A
SCALE: 3/8" = 1'-0"
(30'-0" MEASURED ALONG CENTERLINE)

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CU.YD.	182.68
DEFORMED REINFORCING STEEL	LB.	22,986
CONCRETE RAILING (32" BARRIER)	LIN.FT.	52.22
STRIP SEAL JOINT	LIN.FT.	108.92

- * QUANTITY FOR BENT 4 ONLY.
- 3-405 EQ. SPACED (TOP) & 4-406 EQ. SPACED (BOTTOM) = 2'-0 1/2"
- ONE SERIES OF 8-407 (TOP) (TO MATCH 403) & ONE SERIES OF 12-408 (BOTTOM) (TO MATCH 403) = 7'-0"
- △ 8-403 EQ. SPACED (TOP) & 12-403 EQ. SPACED (BOTTOM) = 7'-0"



SECTION B-B
SCALE: 3/8" = 1'-0"

REINFORCING STEEL SCHEDULE					
SPAN 4					
MARK	NO. REQ'D.	LENGTH	TYPE	TOTAL LENGTH	LOCATION
801	1 SER. OF 52	30'-6" TO 28'-3"	STR.	1,527'-6"	LONGITUDINAL IN SLAB
802	1 SER. OF 167	28'-3" TO 21'-0"	STR.	4,112'-5"	LONGITUDINAL IN SLAB
803	4	30'-6"	STR.	122'-0"	LONGITUDINAL IN SLAB
804	4	21'-0"	STR.	84'-0"	LONGITUDINAL IN SLAB
TOTAL # 8 BARS =				5,845'-11"	(15,609 LBS.)
401	1 SER. OF 27	30'-6" TO 28'-3"	STR.	793'-2"	LONGITUDINAL IN SLAB
402	1 SER. OF 84	28'-3" TO 21'-3"	STR.	2,079'-0"	LONGITUDINAL IN SLAB
403	72	28'-11"	STR.	2,082'-0"	TRANS. IN SLAB (TOP & BOT.)
404	52	86'-8"	STR.	4,506'-8"	TRANS. IN SLAB (TOP & BOT.)
405	1 SER. OF 3	27'-3" TO 10'-0"	STR.	55'-11"	TRANS. IN SLAB
406	1 SER. OF 4	27'-3" TO 10'-0"	STR.	74'-6"	TRANS. IN SLAB
407	1 SER. OF 8	84'-4" TO 14'-0"	STR.	393'-4"	TRANS. IN SLAB
408	1 SER. OF 12	86'-8" TO 14'-0"	STR.	604'-0"	TRANS. IN SLAB
409	4	29'-1"	STR.	116'-4"	TRANS. IN SLAB (TOP & BOT.)
410	4	84'-6"	STR.	338'-0"	TRANS. IN SLAB (TOP & BOT.)
TOTAL # 4 BARS =				11,042'-11"	(7,377 LBS.)

▲ INCLUDES 2 (TWO) 1'-2" LAP SPLICE.

TOP OF SLAB ELEVATIONS

ELEVATION SCHEDULE					
	LT. G.L.	P.G.L.	CONST. JT.	CROWN LINE	RT. G.L.
☉ JT. BENT 4	15.52	15.78	16.21	16.74	15.28
☉ JT. BENT 5	16.09	16.34	16.74	17.24	15.66

G.L. = GUTTERLINE

- NOTES:
- FOR GENERAL NOTES, SEE SHEET 101
 - FOR GENERAL BRIDGE PLAN, SEE SHEETS 103-106
 - FOR FRAMING PLANS, SEE SHEETS 180-181
 - FOR MISCELLANEOUS DETAILS, SEE SHEETS 371-373
 - FOR CONCRETE RAILING DETAILS, SEE SHEETS 367-368
 - FOR STRIP SEAL JOINT DETAILS, SEE SHEETS 376-377

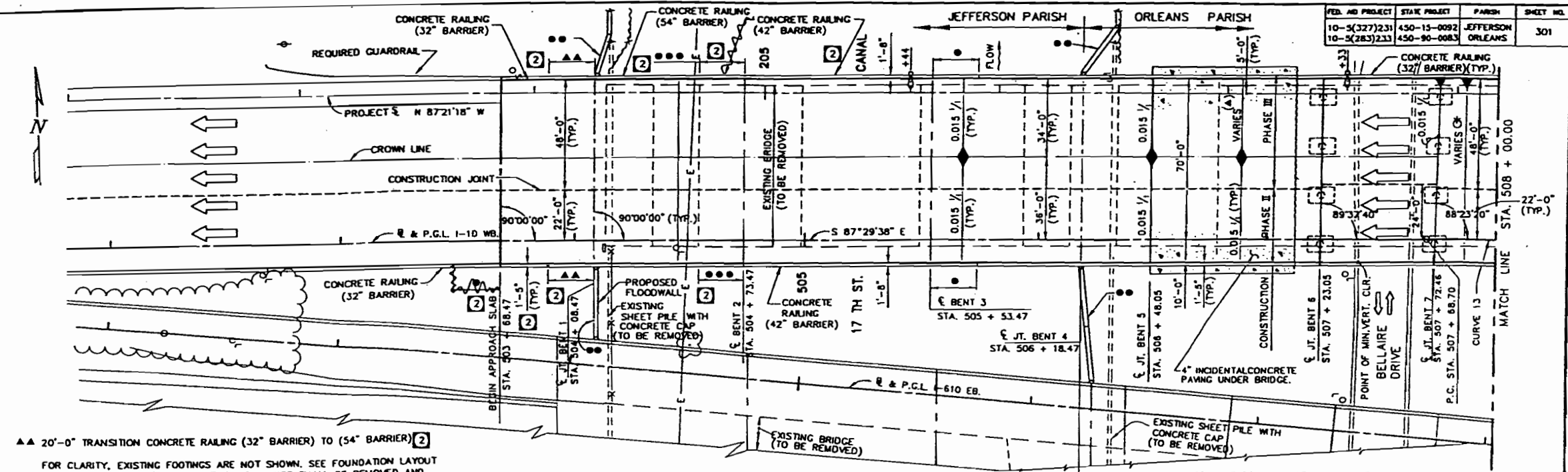


STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-610 EB. OVER 17th STREET CANAL
SLAB DETAILS
SPAN 4

Burk-Klempeter, Inc.
Engineers, Architects, Planners, Environmental Scientists
New Orleans, Louisiana

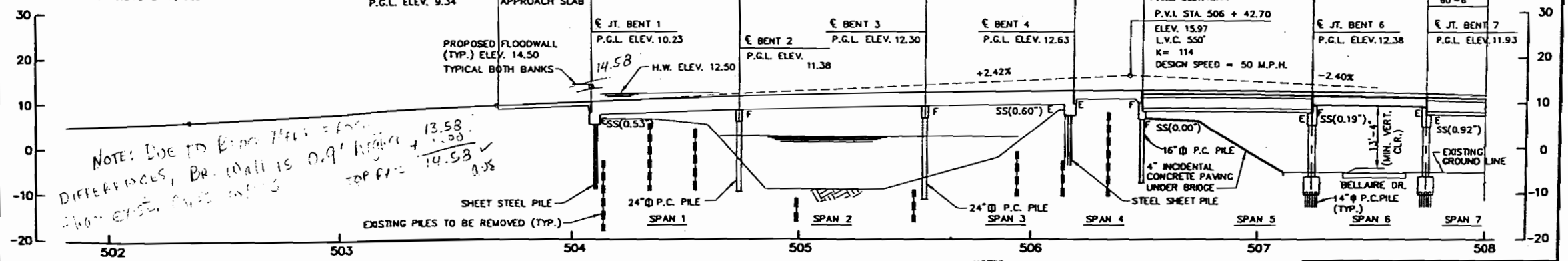
NO.	DATE	DESCRIPTION	BY	CHECKED	DATE
15-98		STRIP SEAL LENGTH REVISED			

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-3(327)231	450-15-0092	JEFFERSON	301
10-3(283)233	450-90-0083	ORLEANS	



- ▲▲ 20'-0" TRANSITION CONCRETE RAILING (32" BARRIER) TO (54" BARRIER) [2]
- FOR CLARITY, EXISTING FOOTINGS ARE NOT SHOWN. SEE FOUNDATION LAYOUT FOR DETAILS OF FOOTINGS. ALL EXISTING PILING SHALL BE REMOVED AND HOLE FILLED WITH SAND.
- 20'-0" TRANSITION CONCRETE RAILING FROM (32" BARRIER) TO (42" BARRIER)
- FOR TRANSITION TO EXISTING FLOODWALL, SEE FLOODWALL TRANSITION DETAILS, SHEETS 379-384.
- 20'-0" TRANSITION CONCRETE RAILING (54" BARRIER) TO (42" BARRIER) [2]

NOTE: FOR 17TH STREET CANAL CHANNEL IMPROVEMENTS, SEE NOTE ON SHT. 107.



NOTE: EXISTING BENTS ARE SHOWN IN PLAN ONLY AND NOT SHOWN IN ELEVATION FOR CLARITY. ALL EXISTING BENTS (TOTAL OF 17) ARE TO BE REMOVED TO A MINIMUM OF 1' BELOW GROUNDLINE.

CURVE 13
 P.J. STA. 509 + 89.20
 Δ = 14°38'54" (RL)
 D = 320'23"
 T = 220.50'
 L = 438.60'
 R = 1,715.54'

- LEGEND:**
- LIGHT SUPPORT
 - SS(X) STRIP SEAL (X = TOTAL MOVEMENT)
 - ▬ DECK DRAINS
 - ▨ EXISTING FOOTING TO BE REMOVED
 - PROPOSED FOOTINGS

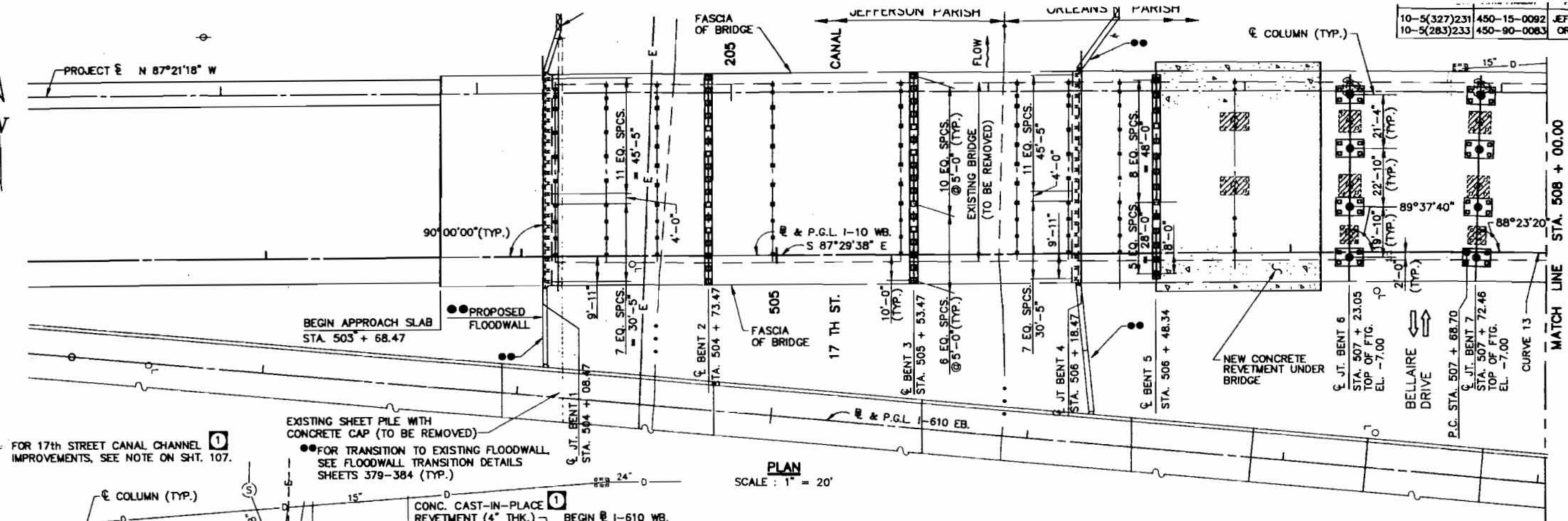
ELEVATION
 SCALE: 1" = 20' (HORIZ.)
 1" = 10' (VERT.)

NOTES:
 FOR GENERAL NOTES, SEE SHEET 101
 FOR GEOMETRICS, SEE SHEETS 42-46
 FOR DECK DRAIN DETAILS, SEE SHEET 375
 FOR SIGN & LIGHT SUPPORT & LAYOUT, SEE SHEETS 357-360
 FOR EXISTING UTILITIES LAYOUT, SEE SHEET 21-22
 FOR BORING LAYOUT, SEE SHEETS 501-506
 FOR STRIP SEAL JOINT DETAILS, SEE SHEETS 376-377



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal - Southern R/R Underpass
 I-10 WB. OVER 17th STREET CANAL
GENERAL BRIDGE PLAN

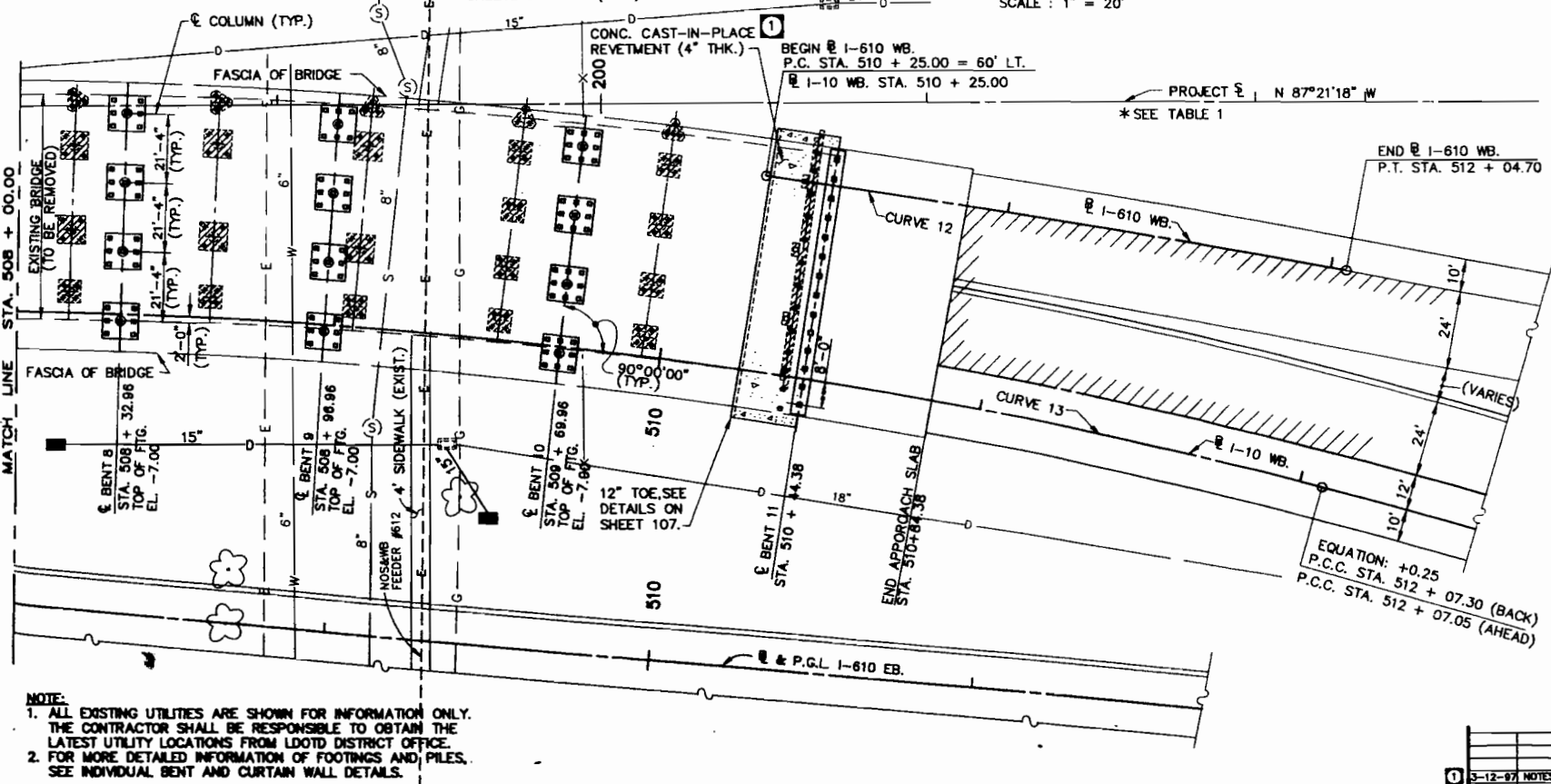
Burk-Klempner, Inc.		State of Louisiana	
1-28-98	INCREASE BARRIER HEIGHT SPAN 1	DESIGNED BY	DATE
1-13-97	NOSE ADDER	CHECKED BY	DATE
		DESIGNED BY	DATE
		CHECKED BY	DATE



NOTE: FOR 17th STREET CANAL CHANNEL IMPROVEMENTS, SEE NOTE ON SHT. 107.

EXISTING SHEET PILE WITH CONCRETE CAP (TO BE REMOVED)
 ●● FOR TRANSITION TO EXISTING FLOODWALL. SEE FLOODWALL TRANSITION DETAILS SHEETS 379-384 (TYP.)

PLAN
 SCALE: 1" = 20'



- LEGEND:
- EXISTING FOOTING
 - PROPOSED FOOTING WITH CONCRETE PILE
 - TO BE REMOVED
 - PROPOSED 8" C.I. PIPE
 - EXISTING DRAIN PIPES
 - PROPOSED DRAIN PIPES
 - EXISTING DRAIN MANHOLE
 - PROPOSED DRAIN MANHOLE
 - EXISTING CATCH BASIN
 - PROPOSED CATCH BASIN
 - EXISTING PIPES TO BE ABANDONED

NOTES:
 FOR GENERAL NOTES, SEE SHEET 101
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 235-236
 FOR PILE DATA, SEE SHEETS 501-503

NOTE:
 1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE LATEST UTILITY LOCATIONS FROM LDDOT DISTRICT OFFICE.
 2. FOR MORE DETAILED INFORMATION OF FOOTINGS AND PILES, SEE INDIVIDUAL BENT AND CURTAIN WALL DETAILS.

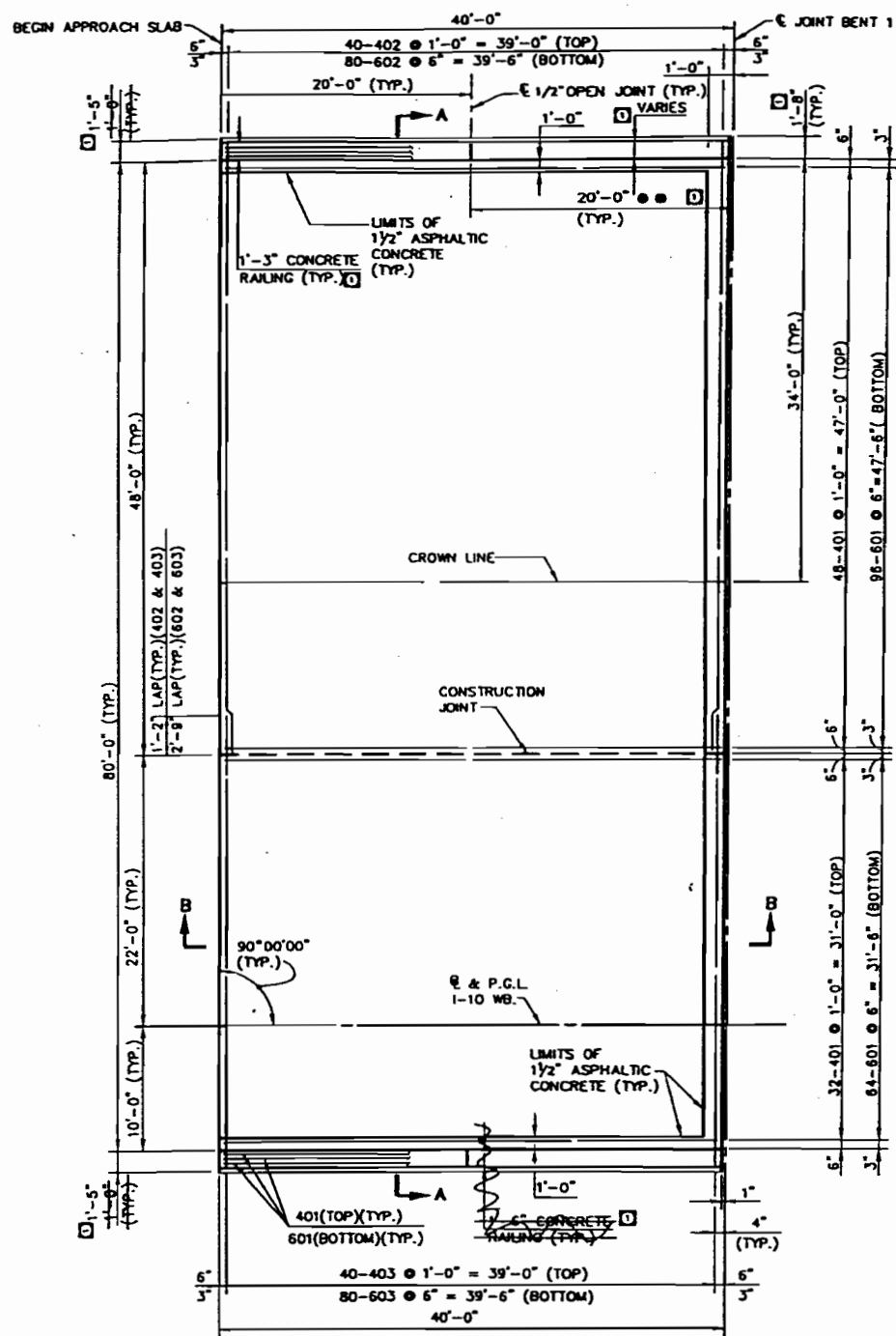


STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-10 WB. OVER 17TH STREET CANAL
FOUNDATION LAYOUT
 STA. 503+00.00 TO STA. 511+00.00

Burk-Klempeter, Inc.
 Registered Professional Engineers
 New Orleans, Louisiana

NO.	DATE	DESCRIPTION	BY	DATE
1	3-12-97	NOTES ADDED	BIG	
		DESIGNED: B. MANHORN		DATE: JUNE '98
		CHECKED: G. L. SHAW		SCALE: AS SHOWN
				SHEET NO. 1 OF 3

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	306
10-5(283)233	450-90-0083	ORLEANS	



PLAN
SCALE: 3/16" = 1'-0"

TOP OF SLAB ELEVATIONS

BENT	L.T. C.L.	CROWN LINE	CONST. JT.	R 1-10 WB.	RT. C.L.
BEGIN APPROACH SLAB ●	9.36	9.87	9.66	9.33	9.18
€ JOINT BENT 1	10.26	10.77	10.56	10.23	10.08

- ELEVATIONS ARE THE FINISHED ELEVATIONS GIVEN ON TOP OF THE ASPHALT.
- ● 20'-0" TRANSITION CONCRETE RAILING (32" BARRIER) TO (54" BARRIER) FOR DETAILS, SEE SHEET 368a.
- 54" BARRIER SHALL BE PAID UNDER BID ITEM 810 (I)(C) CONCRETE RAILING (42" BARRIER).

NOTES:
 FOR GENERAL NOTES, SEE SHEET 101
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 301-302
 FOR BENT 1 DETAILS, SEE SHEETS 311-312
 FOR CONCRETE RAILING DETAILS, SEE SHEETS 367-368
 FOR PILE DATA, SEE SHEETS 501-503
 FOR LIGHT SUPPORT DETAILS, SEE SHEET 357



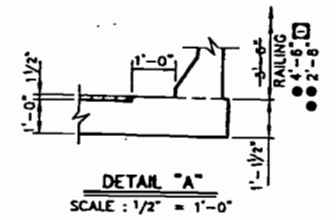
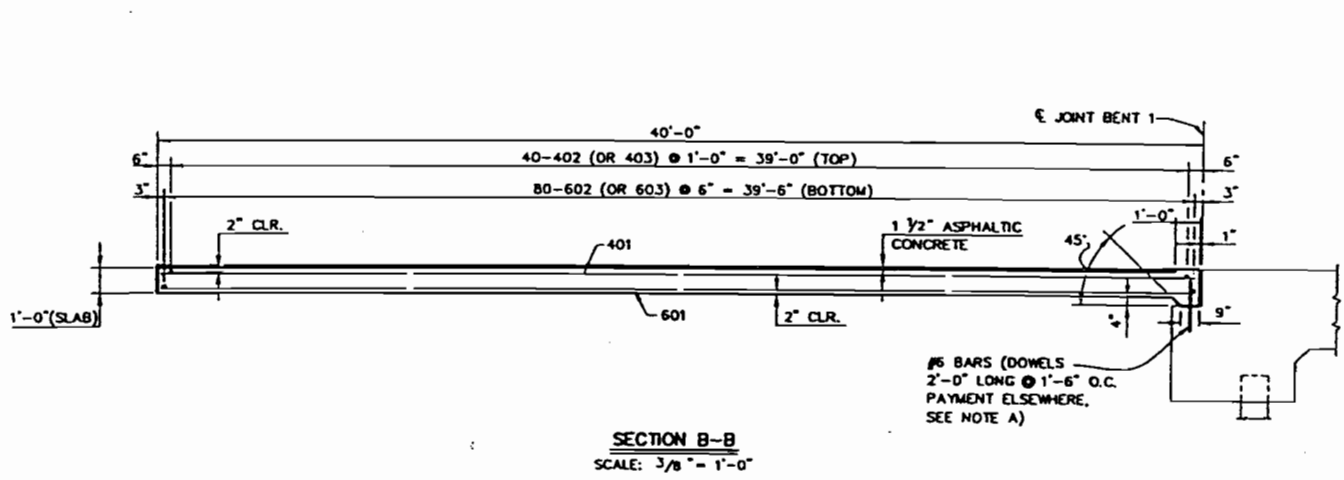
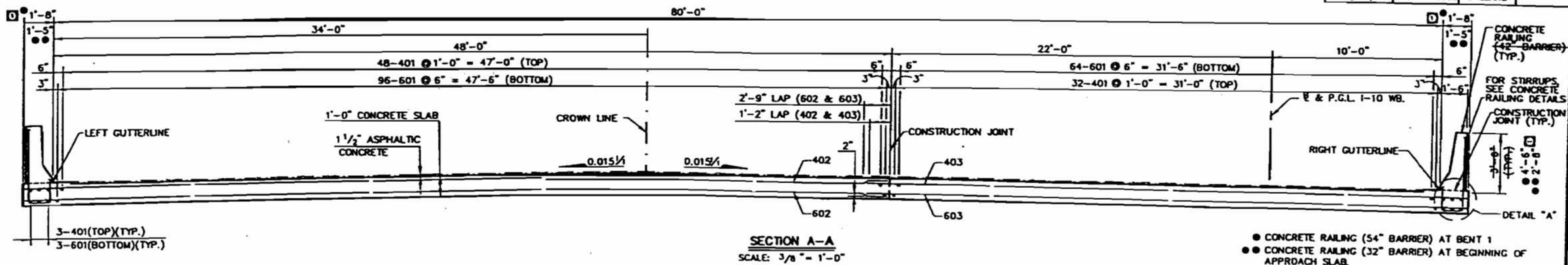
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-10 WB. OVER 17th STREET CANAL
 WEST APPROACH SLAB DETAILS

Burk-Kelapeter, Inc.
 Civil Engineers, Architects

NO.	DESCRIPTION	DATE	BY	CHECKED	SCALE	DATE
1	78-30 IN USE BARRIER HOIST		BD			
2	15-80 PILE SUPPORTED APPROACH SLAB REPLACED		BD			
3						

DWG. NO. 03511-1-99 01/29/21

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0082	JEFFERSON	307
10-5(283)233	450-90-0083	ORLEANS	



NOTE A:

No. 6 DOWELS SHALL BE No. 6 SMOOTH REINFORCING STEEL OR 3/4" DIAMETER A-36 SMOOTH RODS. ALL EXPOSED ENDS OF No. 6 DOWELS TO BE WRAPPED WITH TWO (2) LAYERS OF 15 LB. TAR PAPER, CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/4" THICK MAY BE SUBSTITUTED. THE CONTRACTOR MAY SET THE No. 6 DOWELS BY ONE OF THE FOLLOWING METHODS:

1. SET DOWELS IN PORTLAND CEMENT MORTAR IN PREFORMED HOLES HAVING A MINIMUM DIAMETER OF 3".
2. SET DOWELS AT INITIAL CASTING.

TABLE OF ESTIMATED QUANTITIES

ITEM	UNITS	QUANTITY
* CLASS AA CONCRETE	CU.YD.	124.81
* DEFORMED REINFORCING STEEL	LB.	24,727
CONCRETE RAILING (42" BARRIER)	LIN.FT.	80.00
CONCRETE APPROACH SLAB	SQ.YD.	370.37
ASPHALTIC CONCRETE	TON	27.89

* FOR INFORMATION ONLY, THE PRICE OF REINFORCING STEEL AND CLASS AA CONCRETE SHALL BE INCLUDED IN THE BID PRICE FOR ITEM NO. 813 (01), CONCRETE APPROACH SLAB, PER SQUARE YARD.

REINFORCING STEEL SCHEDULE

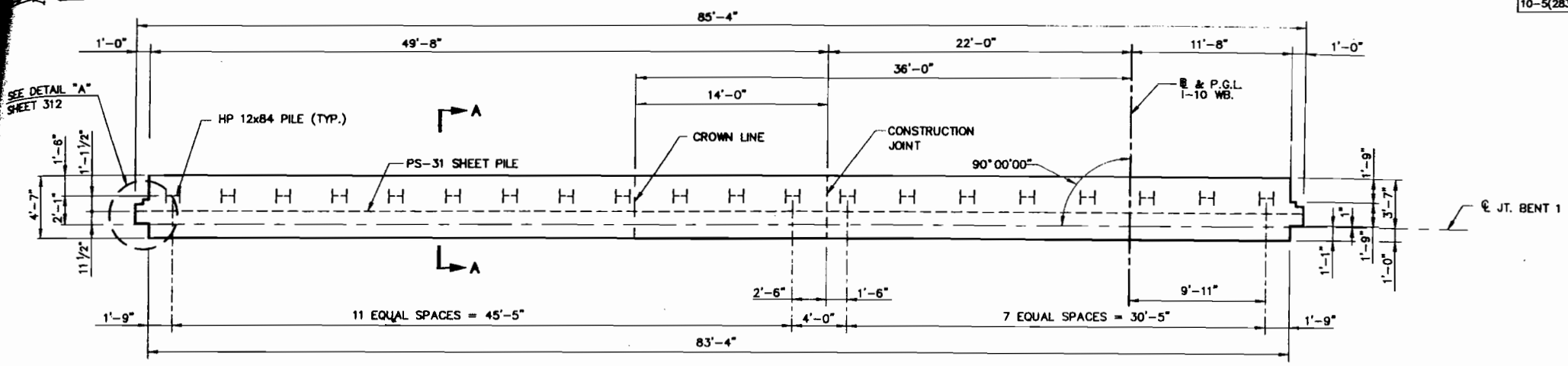
APPROACH SLAB								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
■ 601	166	39'-7"	STR.				6,570'-10"	LONGITUDINAL BOTTOM OF SLAB
■ 602	80	49'-6"	STR.				3,960'-0"	TRANSVERSE BOTTOM OF SLAB
■ 603	80	36'-3"	STR.				2,900'-0"	TRANSVERSE BOTTOM OF SLAB
TOTAL # 6 BARS =							13,430'-10"	(20,173 LBS.)
▲ 401	86	39'-7"	STR.				3,404'-2"	LONGITUDINAL TOP OF SLAB
▲ 402	40	50'-8"	STR.				2,026'-8"	TRANSVERSE TOP OF SLAB
▲ 403	40	34'-8"	STR.				1,386'-8"	TRANSVERSE TOP OF SLAB
TOTAL # 4 BARS =							6,817'-6"	(4,554 LBS.)

▲ INCLUDES 1 (ONE) 1'-2" LAP SPACE.
■ GRADE 60 STEEL

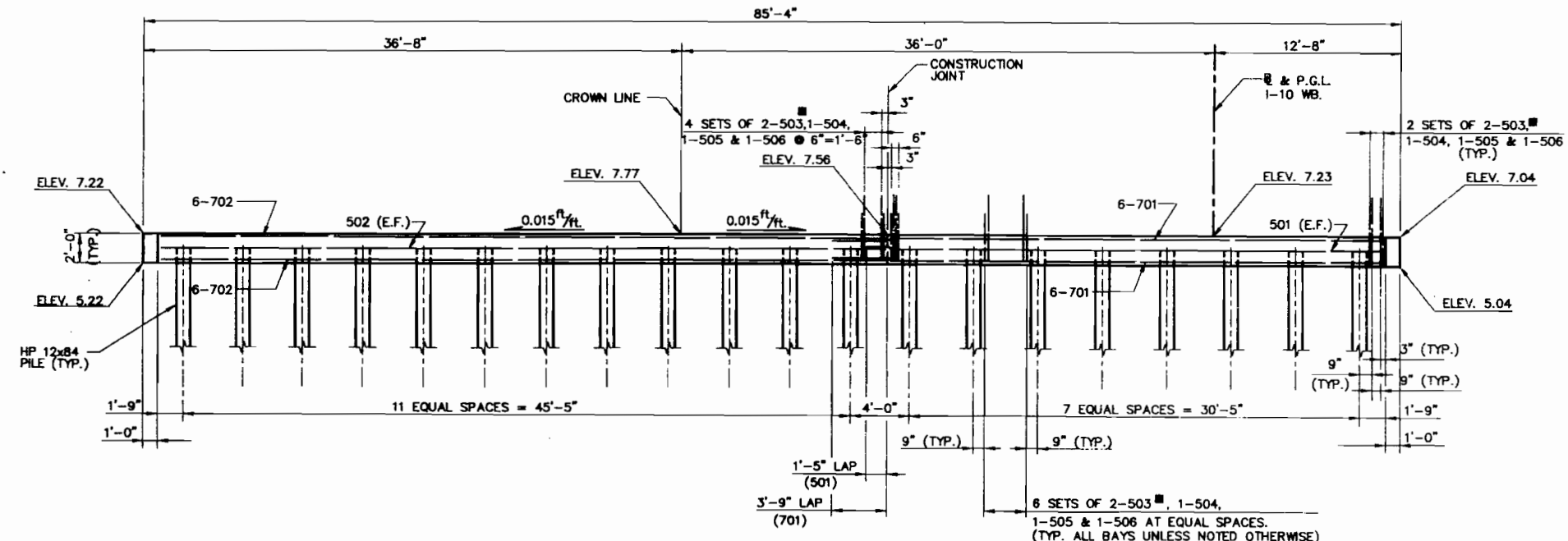


STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
1-10 WB. OVER 17th STREET CANAL
WEST APPROACH SLAB DETAILS

Bark-Klempeter, Inc.		DATE: JUNE '98	
17th Street Canal-Southern R/R Underpass		SCALE: AS SHOWN	
DESIGNED BY: J. B. BARNETT	CHECKED BY: S. L. SMITH	DATE: JUNE '98	SHEET NO. 4 OF 7



PLAN
 SCALE: 1/4" = 1'-0"



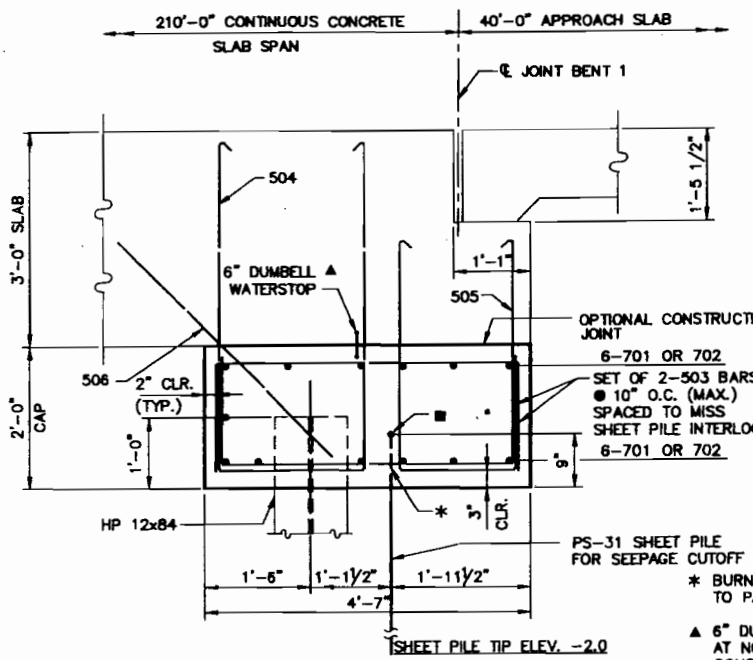
ELEVATION
 SCALE: 1/4" = 1'-0"

NOTES:
 FOR GENERAL NOTES, SEE SHEET 101.
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 301-302.
 FOR FOUNDATION LAYOUT, SEE SHEET 303.
 FOR APPROACH SLAB DETAILS, SEE SHEETS 306-307.
 FOR SLAB DETAILS, SEE SHEETS 341-342a.
 FOR FLOOD WALL TRANSITION, SEE SHEETS 370-384.



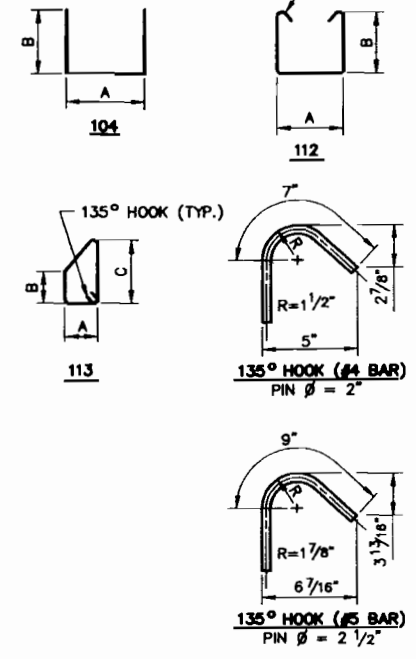
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT			
INTERSTATE 10 17th Street Canal-Southern R/R Underpass			
I-10 WB. OVER 17th STREET CANAL			
BENT DETAILS BENT 1			
Burk-Klempeter, Inc. New Orleans, Louisiana			
DESIGNED: R. GRISHAM	DATE: JUNE '88	CHECKED: R. GRISHAM	SHEET NO. 1 OF 2
DETAILED: G. BISH	SCALE: AS SHOWN	CHECKED: G. BISH	
REVISIONS:	BY:	DATE:	

15-18-88 PILE SUPPORTED APPROACH SLAB REPLACED
 DATE: 12/15/88



SECTION A-A
SCALE: 1" = 1'-0"
(FOR SLAB REINFORCEMENT NOT SHOWN HERE, SEE SLAB DETAILS)

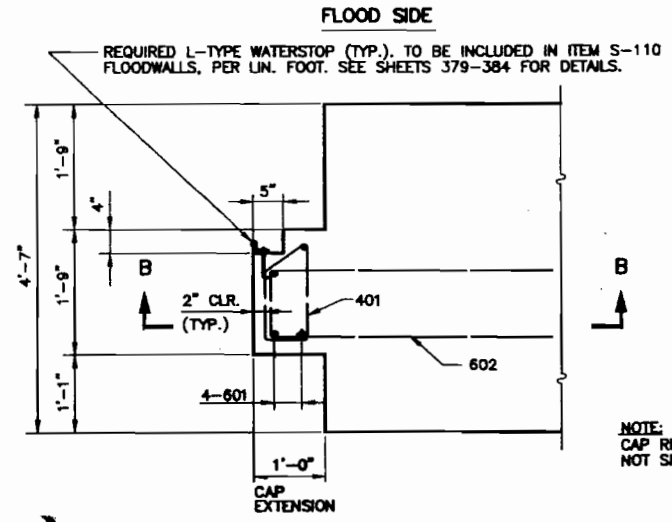
- ▲ 6" DUMBELL WATERSTOP IS REQUIRED AT NO ADDITIONAL COST, IF OPTIONAL CONSTRUCTION JOINT IS USED.
- #6 BAR WELDED TO EACH SHEET PILE (NO DIRECT PAY), TO BE PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS 31) SEE BONDING NOTES.



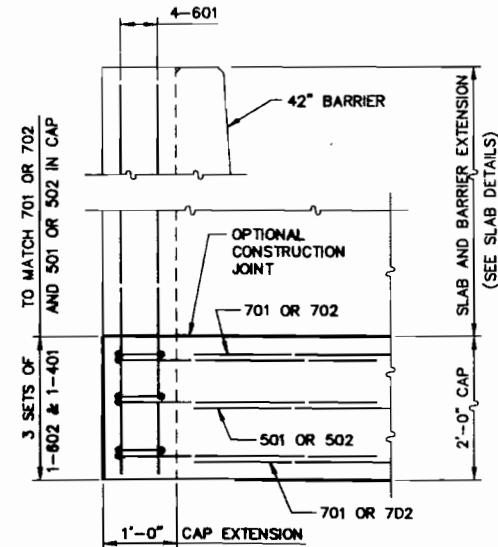
REINFORCING STEEL SCHEDULE								
BENT 1								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
701	12	37'-3"	STR.				447'-0"	LONGITUDINAL IN CAP
702	12	49'-6"	STR.				594'-0"	LONGITUDINAL IN CAP
TOTAL # 7 BARS =							1,041'-0"	(2,128 LBS.)
601	8	8'-2"	STR.				65'-4"	VERTICAL IN CAP EXTENSION
602	6	8'-3"	104	1'-1"	3'-7"		49'-6"	HORIZ. IN CAP EXTENSION
TOTAL # 6 BARS =							114'-10"	(173 LBS.)
501	2	34'-11"	STR.				69'-10"	LONGITUDINAL IN CAP
502	2	49'-6"	STR.				99'-0"	LONGITUDINAL IN CAP
503	236	7'-7"	104	4'-3"	1'-8"		1,789'-8"	STIRRUPS IN CAP
504	118	12'-5"	112	2'-2"	4'-6"		1,465'-2"	STIRRUPS IN CAP
505	118	9'-5"	112	1'-7"	2'-3 1/2"		1,111'-2"	STIRRUPS IN CAP
506	118	4'-0"	STR.				472'-0"	DIAGONAL DOWELS IN CAP
TOTAL # 5 BARS =							5,006'-10"	(5,223 LBS.)
401	6	4'-10"	113	0'-8"	1'-1"	1'-5"	29'-0"	TIES IN CAP EXTENSION
TOTAL # 4 BARS =							29'-0"	(20 LBS.)

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS A CONCRETE (BENTS)	CU. YD.	28.40
DEFORMED REINFORCING STEEL	LB.	7,554
STRUCTURAL EXCAVATION	CU. YD.	107.1
MAXIMUM PILE LOAD	TON	68

NOTE:
THE CONTRACTOR MAY ELECT TO POUR CAP AND SLAB TOGETHER IN ONE POUR, USING CLASS AA CONCRETE, AT NO ADDITIONAL COST.



DETAIL "A"
SCALE: 1" = 1'-0"
(LEFT SIDE SHOWN RIGHT SIDE SIMILAR)

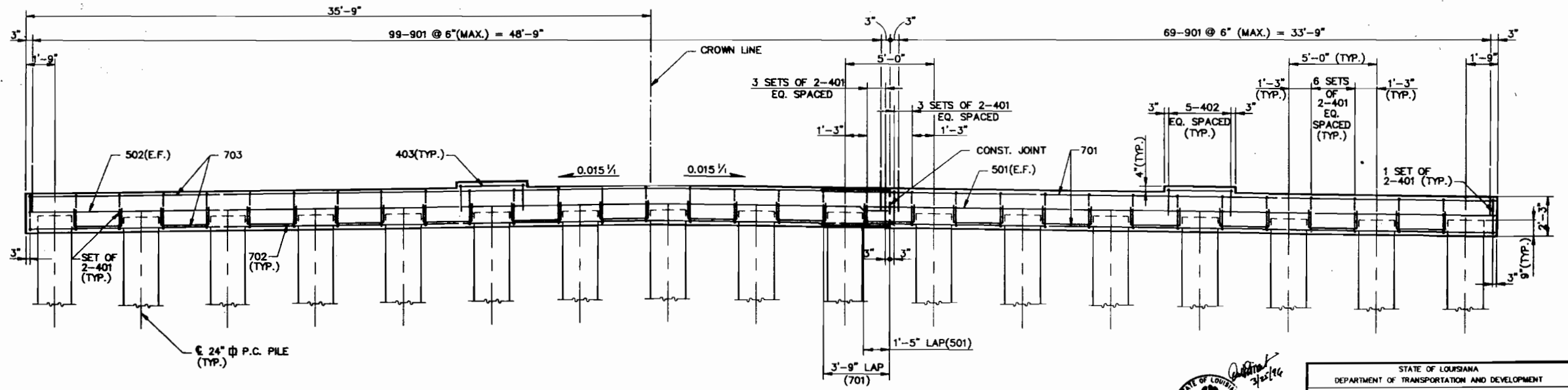
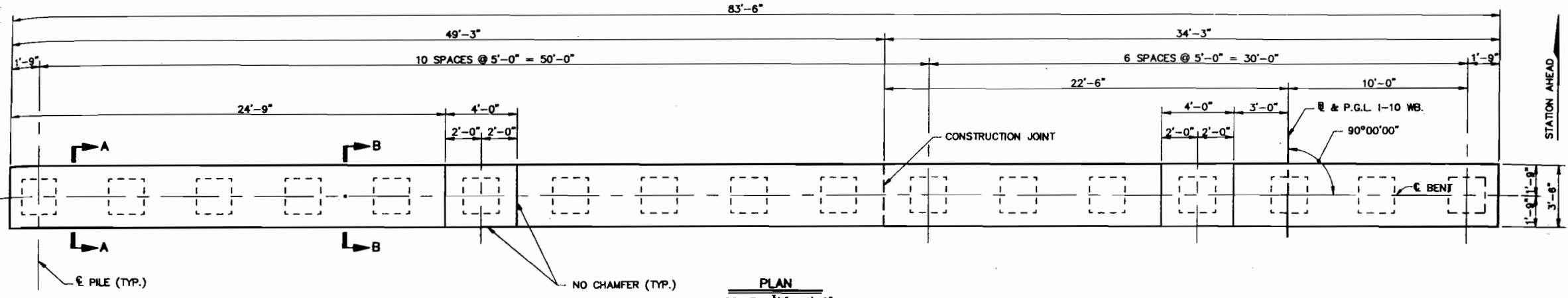


SECTION B-B
SCALE: 1" = 1'-0"
NOTE: STIRRUPS IN CAP NOT SHOWN FOR CLARITY.

- BONDING NOTES:**
- #6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH SHEET PILE. LAP SPlicing OF #6 REINFORCING BAR WILL NOT BE ALLOWED, #6 BAR SHALL BE WELDED.
 - WELDED CONNECTIONS SHALL BE COATED WITH SPlicing EPOXY TO OBTAIN MOISTURE PROOF JOINTS.



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-10 WB. OVER 17th STREET CANAL
**BENT DETAILS
BENT 1**
Burk-Koenigpeter, Inc.
18-15-88 FILE SUPPORTED APPROACH SLAB REPLACED
DATE: _____ BY: _____
REVISION: _____



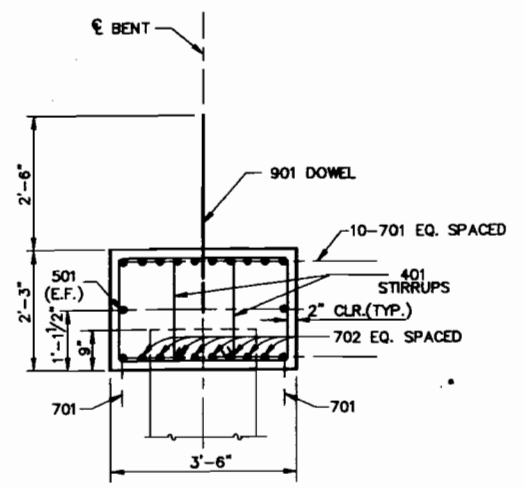
	LT. EDGE	CROWN LINE	CONST. JT.	RT. EDGE
☉ JT. BENT 2	8.08	8.59	8.38	7.88
☉ JT. BENT 3	8.97	9.51	9.30	8.79



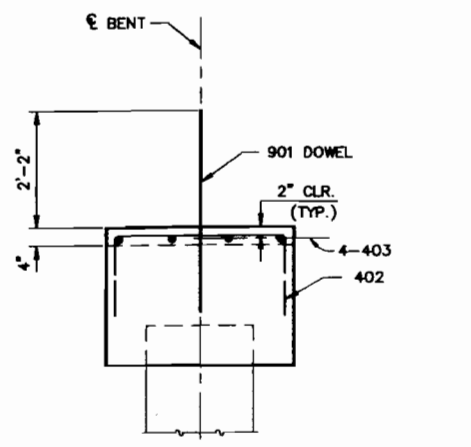
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 1-10 WB. OVER 17th STREET CANAL
**BENT DETAILS
 BENTS 2 & 3**
 Burk-Klempeter, Inc.
 Registered Professional Engineers
 New Orleans, Louisiana

DESIGNED: J. HUBBERT	DATE: APR 78
CHECKED: S. L. SMAN	CHECKED: S. P. BRIT
BY:	SCALE: AS SHOWN
DESCRIPTION:	SHEET NO. 1 OF 2

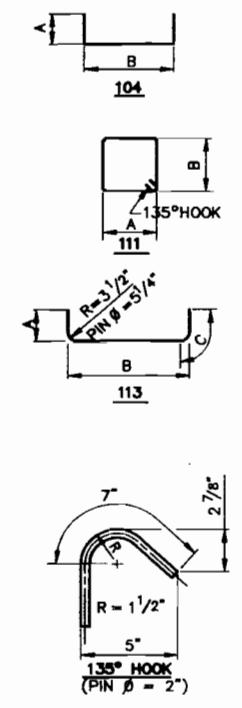
DATE	DESCRIPTION	BY



SECTION A-A
 SCALE: 3/4" = 1'-0"



(CAP REINFORCEMENT NOT SHOWN FOR CLARITY)
SECTION B-B
 SCALE: 3/4" = 1'-0"



REINFORCING STEEL SCHEDULE Δ								
BENTS 2 & 3								
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION
				A	B	C		
901	168	3'-9"	STR.				630'-0"	DOWELS IN CAP
TOTAL # 9 BARS =							630'-0"	(2,142 LBS.)
701	12	38'-0"	STR.				456'-0"	LONGITUDINAL IN CAP
702	128	4'-7"	113	1'-2"	2'-6"	1'-4"	586'-8"	LONG. IN CAP BETWEEN PILES
703	12	48'-11"	STR.				587'-0"	LONGITUDINAL IN CAP
TOTAL # 7 BARS =							1,629'-8"	(3,331 LBS.)
501	2	35'-6"	STR.				71'-0"	LONGITUDINAL IN CAP
502	2	50'-6"	STR.				101'-0"	LONGITUDINAL IN CAP
TOTAL # 5 BARS =							172'-0"	(179 LBS.)
401	196	9'-1"	111	2'-17/8"	1'-11"		1,780'-4"	STIRRUPS
402	10	6'-0"	104	1'-5"	3'-2"		60'-0"	TRANSVERSE @ KEYS
403	8	3'-8"	STR.				29'-4"	LONGITUDINAL IN KEYS
TOTAL # 4 BARS =							1,869'-8"	(1,249 LBS.)

▲ INCLUDES 1 (ONE) 1'-5" LAP SPLICE.

ALL EXPOSED ENDS OF 901 DOWELS TO BE WRAPPED WITH TWO LAYERS OF 15 LB. TAR PAPER. CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/16" THICK MAY BE SUBSTITUTED.

TABLE OF ESTIMATED QUANTITIES Δ		
ITEM	UNITS	QUANTITY
CLASS A CONCRETE (BENTS)	CU. YD.	22.81
DEFORMED REINFORCING STEEL	LB.	6,901
MAXIMUM PILE LOAD	TON	120

Δ QUANTITIES FOR ONE BENT ONLY.

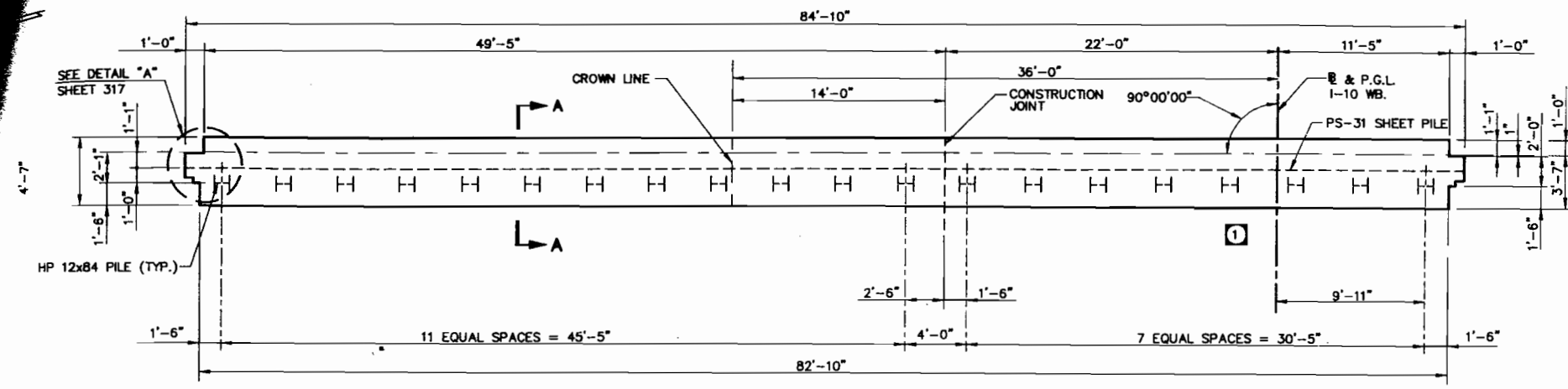
NOTES:
 FOR GENERAL NOTES, SEE SHEET 101
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 301-302
 FOR PILE DATA, SEE SHEETS 501-503
 FOR FOUNDATION LAYOUT, SEE SHEET 303



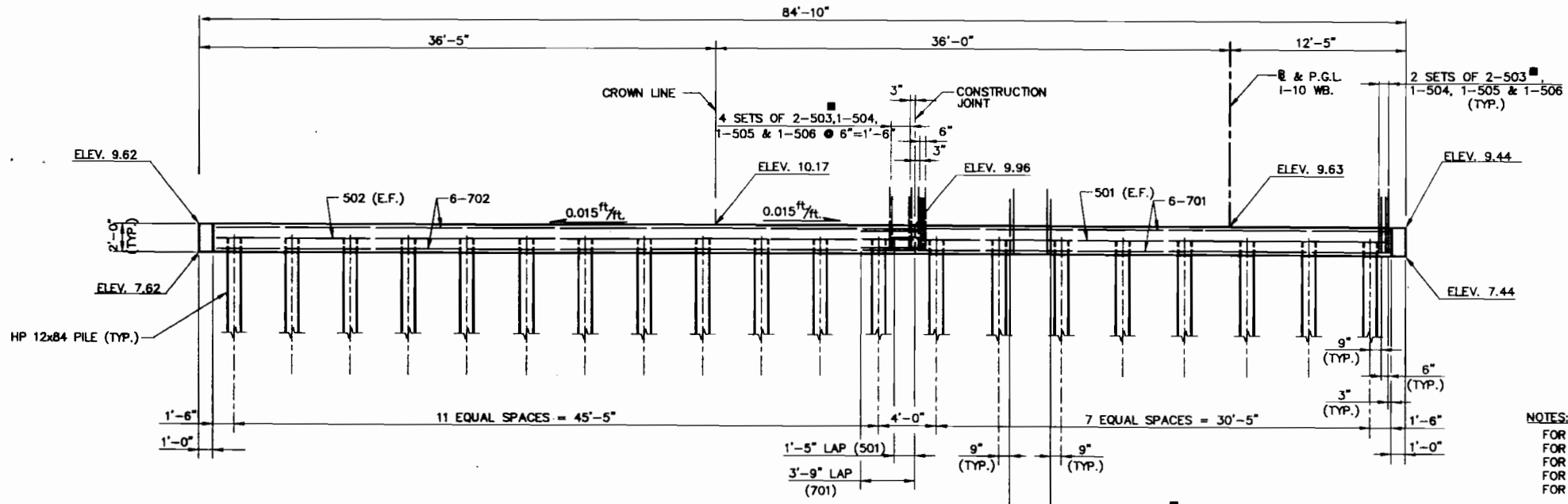
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-10 WB. OVER 17th CANAL STREET
BENT DETAILS
BENTS 2 & 3
 Burk-Klempeter, Inc.
 Engineers • Architects • Planners • Environmental Scientists
 New Orleans, Louisiana

DESIGNED: J. HUBBERT DRAWN: P.A. BARRA DATE: APR 78
 CHECKED: S. L. SMITH CHECKED: D. P. SMITH SCALE: AS SHOWN
 SHEET NO. 2 OF 2

DATE	DESCRIPTION	BY



PLAN
SCALE: 1/4" = 1'-0"



ELEVATION
SCALE: 1/4" = 1'-0"

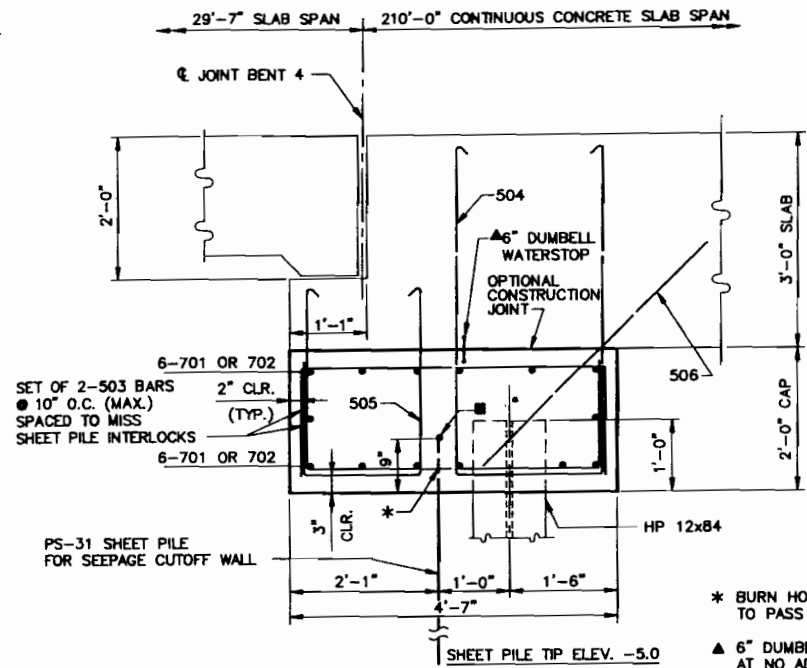
NOTES:
 FOR GENERAL NOTES, SEE SHEET 101.
 FOR GENERAL BRIDGE PLAN, SEE SHEETS 301-302.
 FOR FOUNDATION LAYOUT, SEE SHEET 303.
 FOR SLAB DETAILS, SEE SHEETS 341-342a.
 FOR FLOOD WALL TRANSITION, SEE SHEETS 379-384.

6 SETS OF 2-503[#], 1-504, 1-505 & 1-506 AT EQUAL SPACES. (TYP. ALL BAYS UNLESS NOTED OTHERWISE)
 ■ 2-503 TO BE SPACED TO MISS SHEET PILE INTERLOCKS.



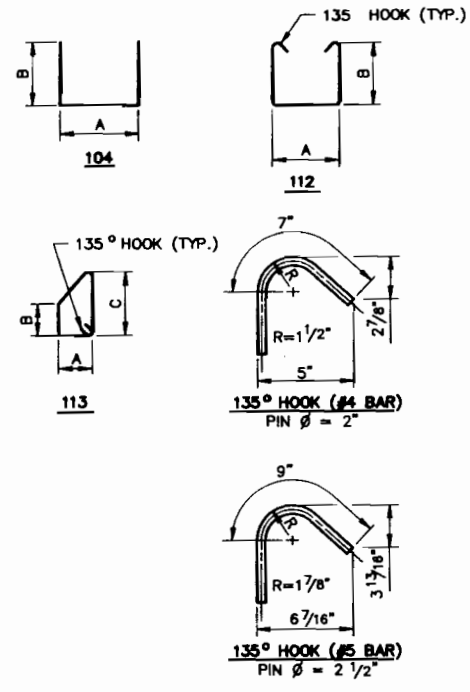
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass
 I-10 WB. OVER 17th STREET CANAL
BENT DETAILS
BENT 4

Burk-Klempeter, Inc. Engineers - Architects - Planners - Environmental Scientists New Orleans, Louisiana		DESIGNED: R. CHOPIN	DATE: JUNE 78
BY: [Signature]	CHECKED: G. P. BENT	SCALE: AS SHOWN	SHEET NO. 1 OF 2



SECTION A-A
SCALE: 1" = 1'-0"
(FOR SLAB REINFORCEMENT NOT SHOWN HERE, SEE SLAB DETAILS)

- * BURN HOLE IN SHEET PILE TO PASS 503
- ▲ 6" DUMBELL WATERSTOP IS REQUIRED AT NO ADDITIONAL COST IF OPTIONAL CONSTRUCTION JOINT IS USED.
- #6 BAR WELDED TO EACH SHEET PILE (NO DIRECT PAY), TO BE PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS 31), SEE BONDING NOTES.

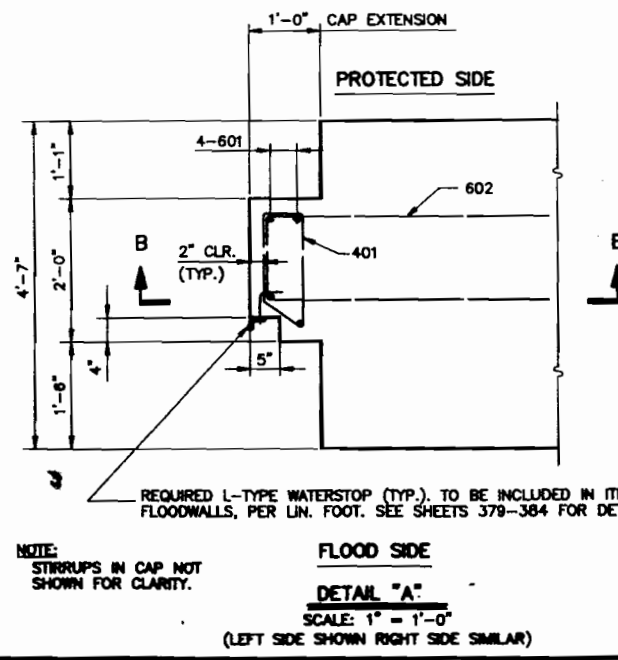


REINFORCING STEEL SCHEDULE									
BENT 4									
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION	
				A	B	C			
701	12	37'-0"	STR.				444'-0"	LONGITUDINAL IN CAP	
701	12	49'-3"	STR.				591'-0"	LONGITUDINAL IN CAP	
TOTAL NO. 7 BARS =							1,035'-0"	2,116 LBS.)	
601	8	7'-4"	STR.				58'-8"	VERTICAL IN CAP EXTENSION	
602	6	8'-6"	104	1'-4"	3'-7"		51'-0"	HORIZ. IN CAP EXTENSION	
TOTAL NO. 6 BARS =							109'-8"	(185 LBS.)	
501	2	34'-8"	STR.				69'-4"	LONGITUDINAL IN CAP	
502	2	49'-3"	STR.				98'-6"	LONGITUDINAL IN CAP	
503	236	7'-7"	104	4'-3"	1'-8"		1,789'-8"	STIRRUPS IN CAP	
504	118	12'-5"	112	2'-2"	4'-6"		1,465'-2"	STIRRUPS IN CAP	
505	118	8'-0"	112	1'-7"	2'-7"		944'-0"	STIRRUPS IN CAP	
506	118	4'-0"	STR.				472'-0"	DIAGONAL DOWELS IN CAP	
TOTAL NO. 5 BARS =							4,838'-8"	(5,047 LBS.)	
401	6	5'-4"	113	0'-8"	1'-4"	1'-8"	32'-0"	TIES IN CAP EXTENSION	
TOTAL NO. 4 BARS =							32'-0"	(22 LBS.)	

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS A CONCRETE (BENTS)	CU. YD.	28.28
DEFORMED REINFORCING STEEL	LB.	7,350
STRUCTURAL EXCAVATION	CU. YD.	54.2
MAXIMUM PILE LOAD	TON	60

NOTE:
THE CONTRACTOR MAY ELECT TO POUR CAP AND SLAB TOGETHER IN ONE POUR, USING CLASS AA CONCRETE, AT NO ADDITIONAL COST.

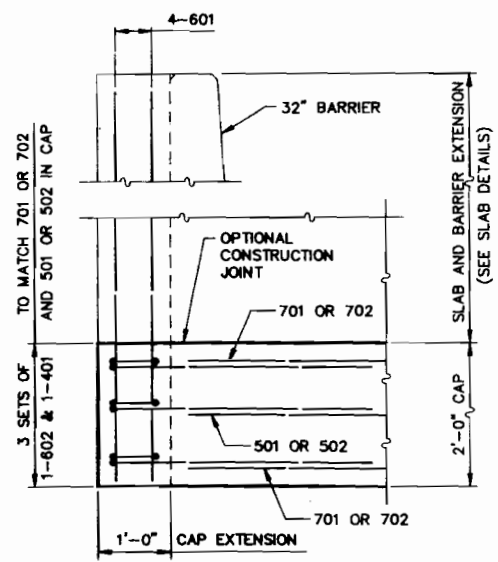
- BONDING NOTES:**
- #5 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH SHEET PILE. LAP SPlicing OF #5 REINFORCING BAR WILL NOT BE ALLOWED, #6 BAR SHALL BE WELDED.
 - WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINTS.



NOTE:
STIRRUPS IN CAP NOT SHOWN FOR CLARITY.

REQUIRED L-TYPE WATERSTOP (TYP.) TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FOOT. SEE SHEETS 379-384 FOR DETAILS.

SCALE: 1" = 1'-0"
(LEFT SIDE SHOWN RIGHT SIDE SIMILAR)



NOTE:
STIRRUPS IN CAP NOT SHOWN FOR CLARITY.

SCALE: 1" = 1'-0"



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-10 WB. OVER 17th STREET CANAL

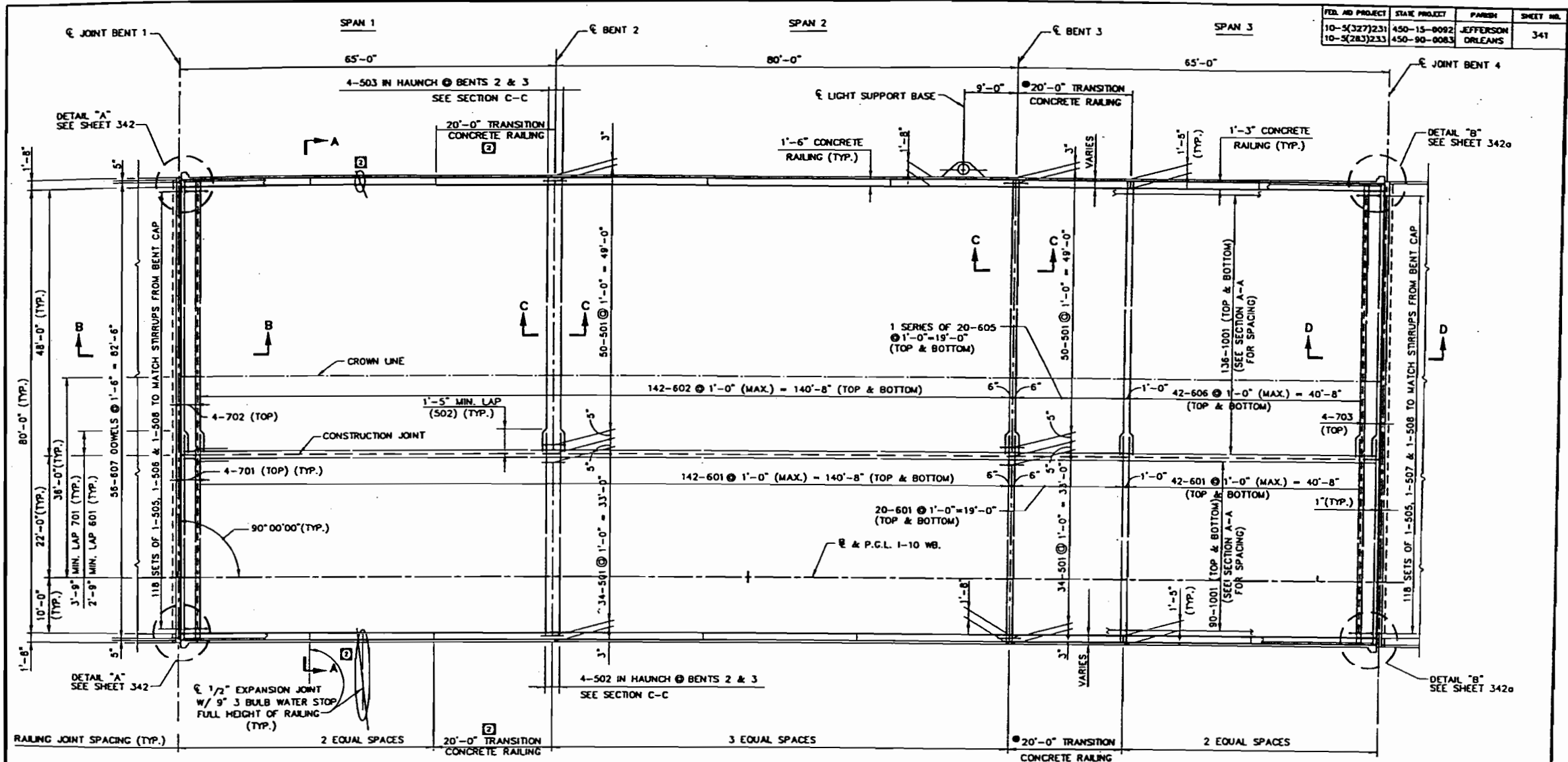
**BENT DETAILS
BENT 4**

Burk-Kleinpeter, Inc.
Engineers • Planners • Environmental Scientists
New Orleans, Louisiana

DESIGNED: S. CHOPIN	DATE: 11/11/94
CHECKED: G. P. BENT	SCALE: AS SHOWN

DATE	DESCRIPTION	BY

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	341
10-5(283)233	450-90-0083	ORLEANS	



BENT	LT. G.L.	CONST. JT.	CROWN LINE	P.G.L. I-10 WB.	RT. G.L.
€ JT. BENT 1	10.26	10.56	10.77	10.23	10.08
€ BENT 2	11.41	11.71	11.92	11.38	11.23
€ BENT 3	12.33	12.63	12.84	12.30	12.15
€ JT. BENT 4	12.66	12.96	13.17	12.63	12.48

NOTE: THE CONTRACTOR SHALL SUBMIT THE POURING SEQUENCE AND FALSE WORK PLANS TO THE ENGINEER FOR APPROVAL. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE ALLOWED IN THE SLAB. ALL 1001 BARS (TOP & BOTTOM) SHALL HAVE STAGGERED SPLICES. THE CONTRACTOR SHALL USE SMALL VIBRATORS FOR THE PROPER PLACEMENT OF CONCRETE IN THE SLAB.

PLAN
SCALE: 1/8" = 1'-0"

NOTES:
FOR GENERAL NOTES, SEE SHEET 101
FOR GENERAL BRIDGE PLAN, SEE SHEETS 301-302
FOR CONCRETE RAILING DETAILS, SEE SHEETS 367-368
FOR LIGHT SUPPORT DETAILS, SEE SHEET 357
FOR STRIP SEAL JOINT DETAILS, SEE SHEETS 376-377

• COST TO BE INCLUDED UNDER ITEM B10(01)(C) CONCRETE RAILING (42" BARRIER), PER LIN. FT.



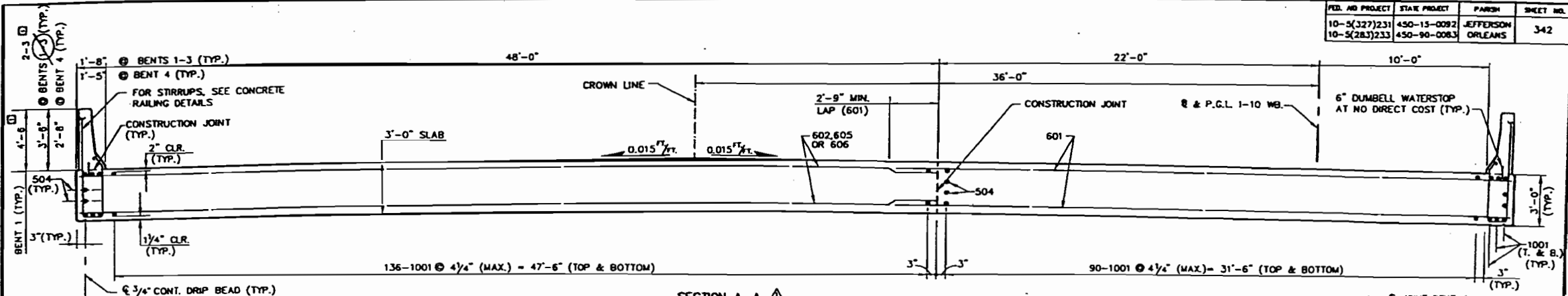
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-10 WB. OVER 17th STREET CANAL
SLAB DETAILS
SPANS 1, 2 & 3
Burk-Deimpeter, Inc.
1/25/89 REVISE BARRIER HEIGHT SPAN 1
2-12-89 NOTE ADDED

DESIGNED: S. DUBREUIL	CHECKED: S. DUBREUIL	DATE: JUNE 88
SCALE: AS SHOWN	CHECKED: H. CHEN	DATE: JUNE 88

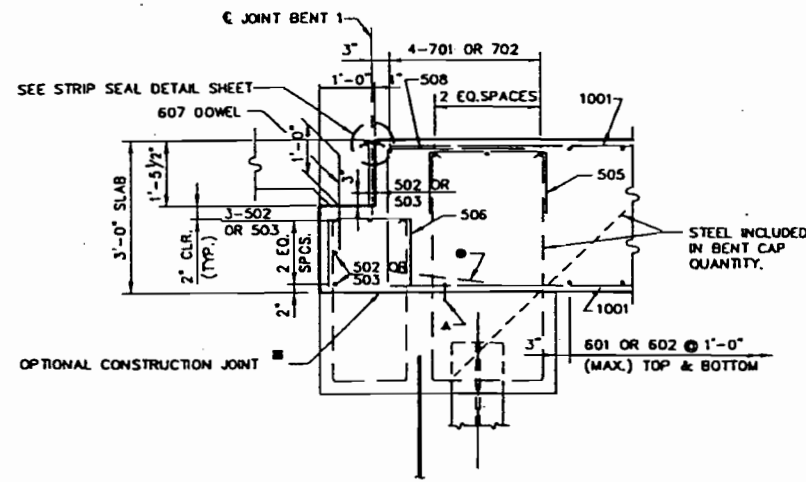
SCALE: AS SHOWN
SHEET NO. 1 OF 3

FILE NAME: 45012-1-10WB-302A7-PLAN

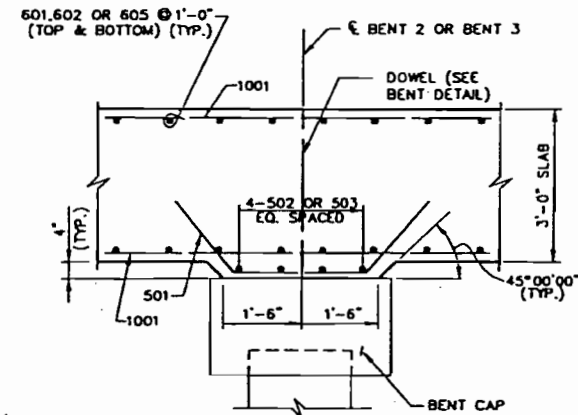
FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	342
10-5(283)233	450-90-0083	ORLEANS	



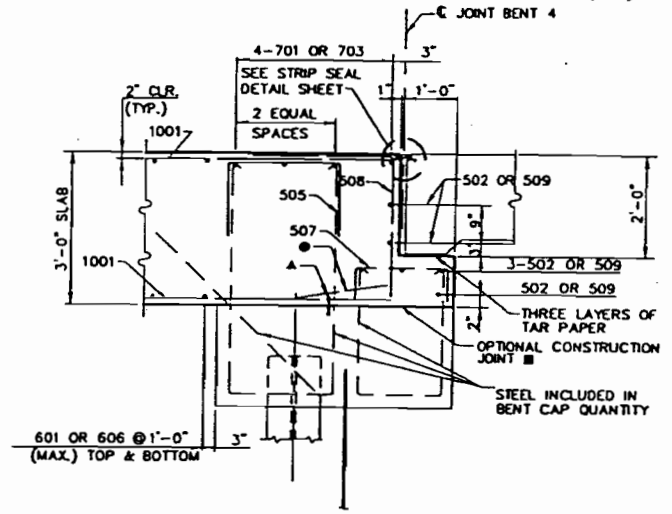
SECTION A-A
SCALE: 3/8" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"

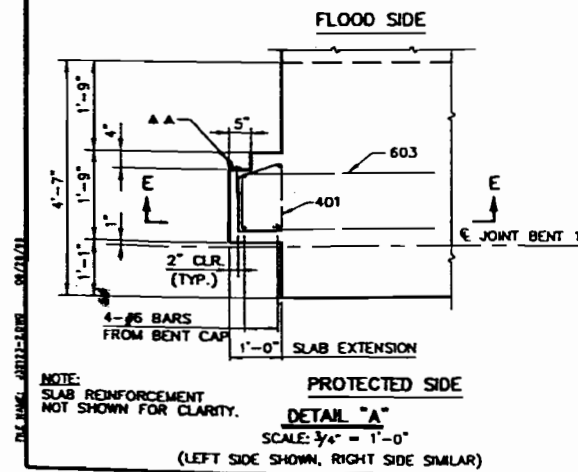


SECTION C-C
SCALE: 3/4" = 1'-0"

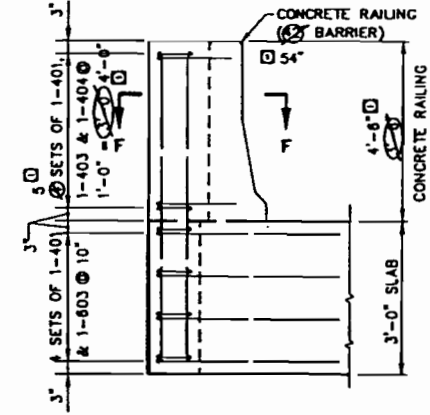


SECTION D-D
SCALE: 3/4" = 1'-0"

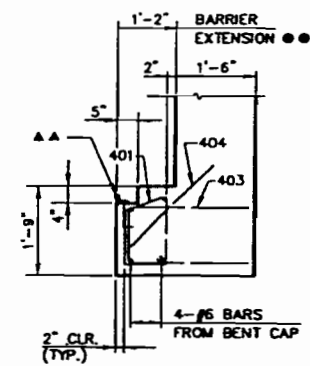
- LEGEND:**
- ▲ 6" DUMBELL WATERSTOP IS REQUIRED AT NO ADDITIONAL COST, IF OPTIONAL CONSTRUCTION JOINT IS USED.
 - ▲▲ REQ'D. L-TYPE WATERSTOP COST TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FOOT. SEE SHEETS 379-380 FOR DETAILS.
 - THE CONTRACTOR MAY ELECT TO POUR CAP AND SLAB TOGETHER IN ONE POUR, USING CLASS AA CONCRETE, AT NO ADDITIONAL COST.
 - 1001 BARS MUST BE BENT TO CLEAR THE 6" DUMBELL WATERSTOP IF OPTIONAL CONSTRUCTION JOINT IS USED, AT NO ADDITIONAL COST.
 - CONCRETE QUANTITY FOR BARRIER EXTENSION IS TO BE INCLUDED IN ITEM 810(01)(C) CONCRETE RAILING (42" BARRIER), PER LIN. FT.



DETAIL "A"
SCALE: 3/4" = 1'-0"
(LEFT SIDE SHOWN, RIGHT SIDE SIMILAR)



SECTION E-E
SCALE: 3/4" = 1'-0"

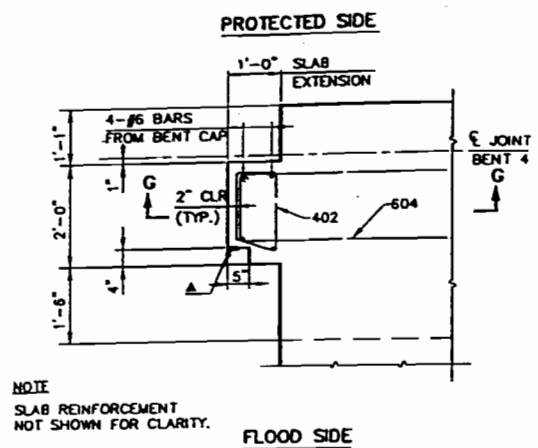


SECTION F-F
SCALE: 3/4" = 1'-0"



STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
INTERSTATE 10 17th Street Canal-Southern R/R Underpass I-10 WB. OVER 17th STREET CANAL	
SLAB DETAILS SPANS 1, 2 & 3	
Park-Kelapeter, Inc. New Orleans, Louisiana	
DATE: 1/28/98	REVISION: INCREASE BARRIER HEIGHT SPAN 1
DATE: 2-15-98	REVISION: FILE SUPPORTED APPROACH SLAB REPLACED
DATE: 3-10-98	REVISION: REVISION
DESIGNED: ALOP/PH	CHECKED: G.P/M/PH
DETAILS: B.A./A	SCALE: AS SHOWN
DRAWN: E. SHAW	SHEET NO. 2 OF 3

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0082	JEFFERSON	342a
10-5(283)233	450-90-0083	ORLEANS	

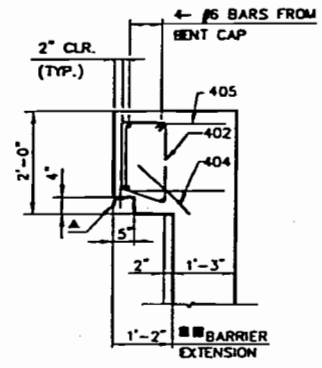


NOTE
SLAB REINFORCEMENT
NOT SHOWN FOR CLARITY.

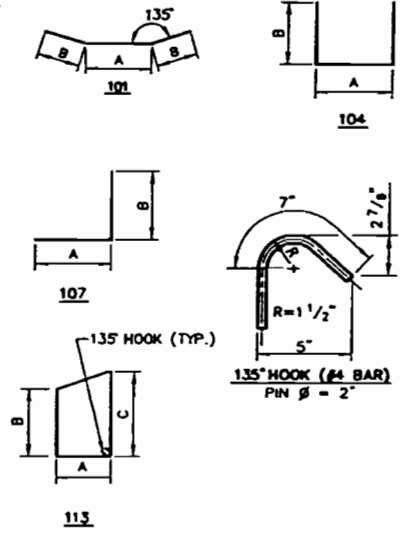
FLOOD SIDE

DETAIL "B"

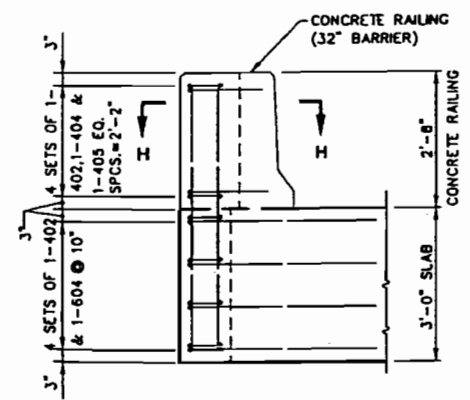
SCALE: 3/4" = 1'-0"
(LEFT SIDE SHOWN, RIGHT SIDE SIMILAR)



SECTION H-H
SCALE: 3/4" = 1'-0"



- ▲ REQ'D. L-TYPE WATERSTOP COST TO BE INCLUDED IN ITEM S-110 FLOODWALL, PER LIN. FT. . SEE SHEETS 379-384 FOR DETAILS.
- CONCRETE QUANTITY FOR BARRIER EXTENSION IS TO BE INCLUDED IN ITEM BID (01)(A) CONCRETE RAILING (32" BARRIER), PER LIN. FT.



SECTION G-G
SCALE: 3/4" = 1'-0"

REINFORCING STEEL SCHEDULE									
SPANS 1, 2, & 3									
MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS			TOTAL LENGTH	LOCATION	
				A	B	C			
1001	464	233'-5"	STR.				108,305'-4"	LONGITUDINAL IN SLAB (T.&B.)	
TOTAL #10 BARS =							108,305'-4"	(466,038 LBS.)	
701	8	37'-3"	STR.				298'-0"	TRANS. IN SLAB (TOP @ ENDS)	
702	4	49'-6"	STR.				198'-0"	TRANS. IN SLAB (TOP @ ENDS)	
703	4	49'-3"	STR.				197'-0"	TRANS. IN SLAB (TOP @ ENDS)	
TOTAL #7 BARS =							693'-0"	(1,417 LBS.)	
601	408	36'-3"	STR.				14,790'-0"	TRANS. IN SLAB (T. & B.)	
602	284	49'-6"	STR.				14,058'-0"	TRANS. IN SLAB (T. & B.)	
603	8	8'-3"	104	1'-1"	3'-7"		66'-0"	HORIZ. IN SLAB EXT. @ BENT 1	
604	8	8'-6"	104	1'-4"	3'-7"		68'-0"	HORIZ. IN SLAB EXT. @ BENT 4	
605	2 SERIES OF 20	49'-6" TO 49'-3"	STR.				1,975'-0"	TRANS. IN SLAB (T. & B.)	
606	84	49'-3"	STR.				4,137'-0"	TRANS. IN SLAB (T. & B.)	
607	56	2'-0"	STR.				112'-0"	DOWELS IN SLAB	
TOTAL #6 BARS =							35,206'-0"	(52,880 LBS.)	
501	168	6'-6"	101	2'-8"	1'-11"		1,092'-0"	STIRRUPS IN HAUNCHES @ BENTS 2 & 3	
502	20	34'-11"	STR.				698'-4"	TRANS. IN HAUNCHES & SLAB END	
503	14	49'-6"	STR.				693'-0"	TRANS. IN HAUNCHES & SLAB END	
504	6	213'-11"	STR.				1,283'-6"	LONG. IN SLAB EDGES	
505	236	4'-8"	104	2'-2"	1'-3"		1,101'-4"	STIRRUPS @ BENTS 1&4	
506	118	4'-1"	104	1'-7"	1'-3"		481'-10"	STIRRUPS @ BENT 1	
507	118	2'-11"	104	1'-7"	0'-8"		344'-2"	STIRRUPS @ BENT 4	
508	236	5'-4"	107	2'-8"	2'-8"		1,258'-8"	STIRRUPS @ BENTS 1&4	
509	6	49'-3"	STR.				295'-6"	TRANSVERSE IN SLAB END	
TOTAL #5 BARS =							7,248'-4"	(7,561 LBS.)	
401	18	4'-10"	113	0'-8"	1'-1"	1'-5"	87'-0"	TIES IN SLAB & BARRIER EXT.	
402	16	5'-4"	113	0'-8"	1'-4"	1'-8"	85'-4"	TIES IN SLAB & BARRIER EXT.	
403	10	5'-9"	104	1'-1"	2'-4"	57'-6"	56'-0"	HORIZ. IN BARRIER EXT.	
404	18	3'-0"	STR.			54'-0"	48'-0"	HORIZ. IN BARRIER EXT.	
405	88	5'-6"	104	1'-4"	2'-1"		44'-0"	HORIZ. IN BARRIER EXT.	
TOTAL #4 BARS =							327'-10"	(407 LBS.) 219	

- INCLUDES 3 (THREE) 7'-11" LAP SPICES.
- INCLUDES 3 (THREE) 1'-5" LAP SPICE.
- GRADE 60

NOTES:

No. 6 DOWELS SHALL BE No. 6 SMOOTH REINFORCING STEEL OR 3/4" DIAMETER A-36 SMOOTH RODS.
ALL EXPOSED ENDS OF No. 6 DOWELS TO BE WRAPPED WITH TWO (2) LAYERS OF 15 LB. TAR PAPER. CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/4" THICK MAY BE SUBSTITUTED.

THE CONTRACTOR MAY SET THE No. 6 DOWELS BY ONE OF THE FOLLOWING METHODS:

- SETTING DOWELS IN PORTLAND CEMENT MORTAR IN PREFORMED HOLES HAVING A MINIMUM DIAMETER OF 3".
- SETTING DOWELS AT INITIAL CASTING.

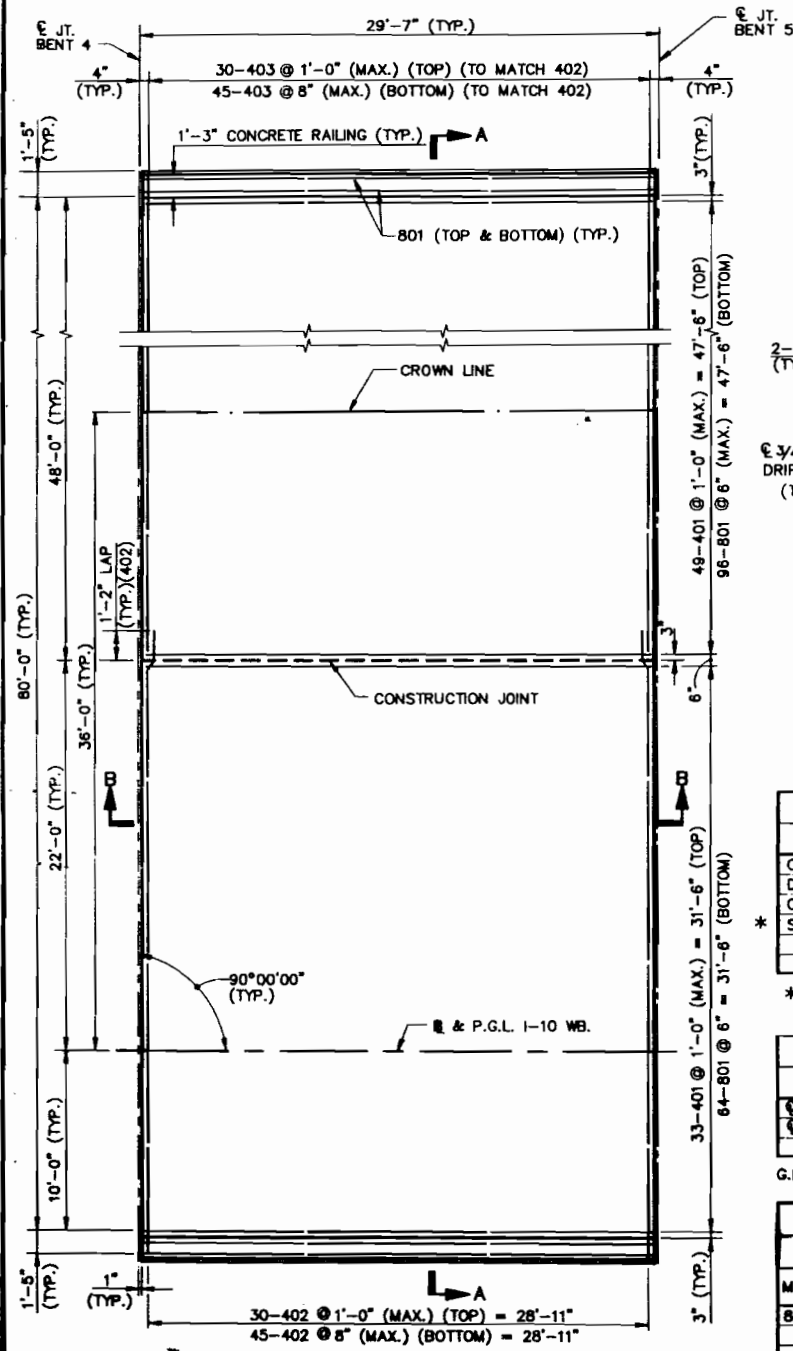
TABLE OF ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS AA CONCRETE	CU.YD.	1,984.97
DEFORMED REINFORCING STEEL	LB.	528,097
CONCRETE RAILING (32" BARRIER)	LIN.FT.	90.00
CONCRETE RAILING (42" BARRIER)	LIN.FT.	330.00
STRIP SEAL JOINT	LIN.FT.	80.00

* QUANTITY FOR BENT 1 ONLY

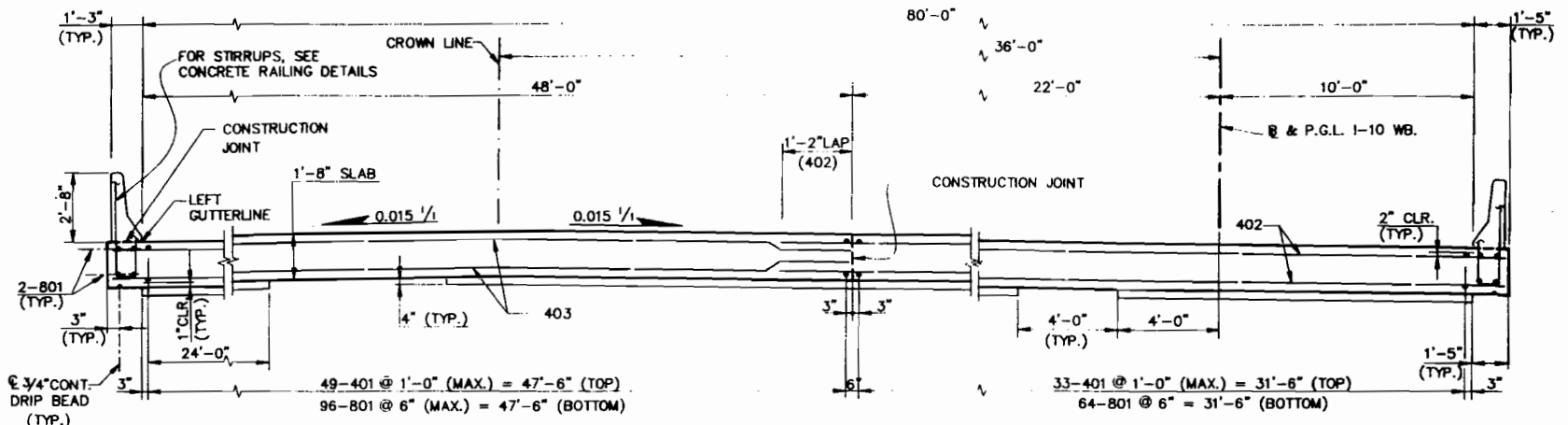


STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
1-10 WB. OVER 17th STREET CANAL
**SLAB DETAILS
SPANS 1,2 & 3**
Burk-Klempeter, Inc.
Baton Rouge, Louisiana

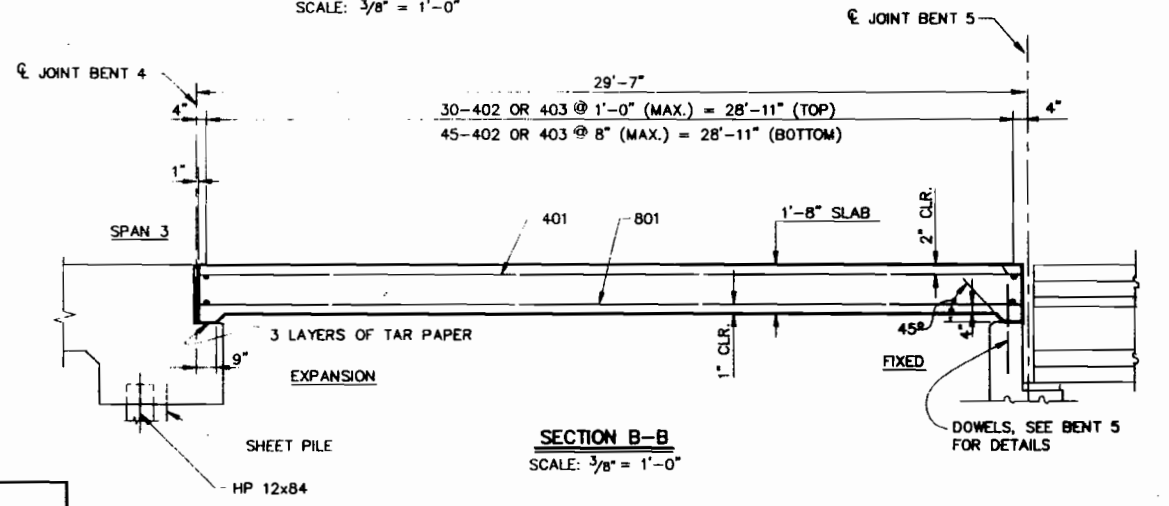
7/25/76 REVERSE BARRIER HEIGHT	BY	DESIGNED: RLO/PH	DRAWN: RAL/EA	DATE: 4/16/76
15'-10" PILE SUPPORTED APPROACH SLAB REPLACED	BY	CHECKED: SPJ/MT	CHECKED: RLO/PH	SCALE: AS SHOWN
DATE	BY			POST NO. 3 OF 3



PLAN
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 3/8" = 1'-0"



SECTION B-B
SCALE: 3/8" = 1'-0"

TABLE OF ESTIMATED QUANTITIES		
ITEM	UNITS	QUANTITY
CLASS AA CONCRETE	CU. YD.	152.17
DEFORMED REINFORCING STEEL	LB.	18,974
CONCRETE RAILING (32" BARRIER)	LIN. FT.	59.17
STRIP SEAL JOINT	LIN. FT.	80.00

* QUANTITY FOR BENT 4 ONLY.

TOP OF SLAB ELEVATIONS					
ELEVATION SCHEDULE					
	L.T. G.L.	CROWN LINE	CONST. JT.	P.G.L.	RT. G.L.
☉ JT. BENT 4	12.66	13.17	12.96	12.63	12.48
☉ JT. BENT 5	12.69	13.20	12.99	12.66	12.51

G.L. = GUTTERLINE

REINFORCING STEEL SCHEDULE					
SPAN 4					
MARK	NO. REQ'D.	LENGTH	TYPE	TOTAL LENGTH	LOCATION
801	168	29'-3"	STR.	4,914'-0"	LONGITUDINAL IN SLAB
TOTAL NO. 8 BARS =				4,914'-0"	(13,121 LBS.)
401	82	29'-3"	STR.	2,398'-6"	LONGITUDINAL IN SLAB
402	75	34'-5"	STR.	2,581'-3"	TRANSVERSE IN SLAB
403	75	50'-5"	STR.	3,781'-3"	TRANSVERSE IN SLAB
TOTAL NO. 4 BARS =				8,781'-0"	(5,853 LBS.)

▲ INCLUDES 1 (ONE) 1'-2" LAP SPLICE

NOTES:
FOR GENERAL NOTES, SEE SHEET 101
FOR GENERAL BRIDGE PLAN, SEE SHEETS 301-302
FOR CONCRETE RAILING DETAILS, SEE SHEETS 367-368
FOR MISCELLANEOUS DETAILS, SEE SHEETS 371-373
FOR STRIP SEAL JOINT DETAILS, SEE SHEETS 376-377

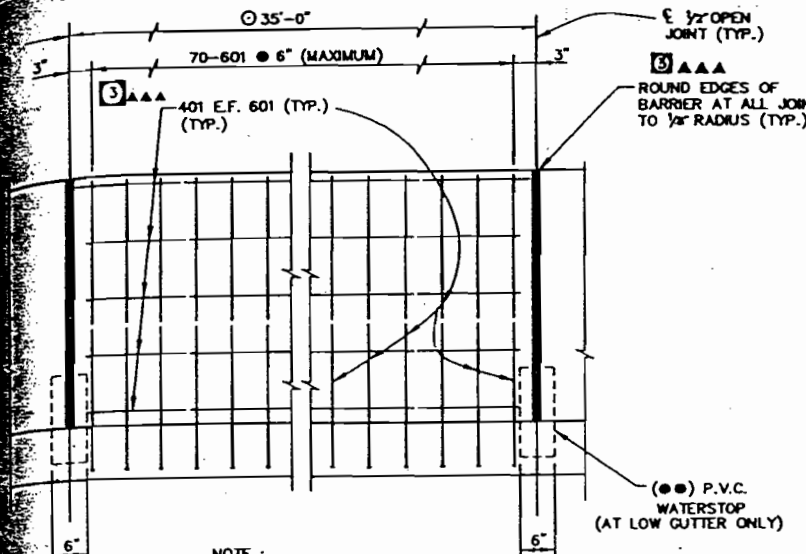


STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
I-10 WB. OVER 17th STREET CANAL
SLAB DETAILS
SPAN 4

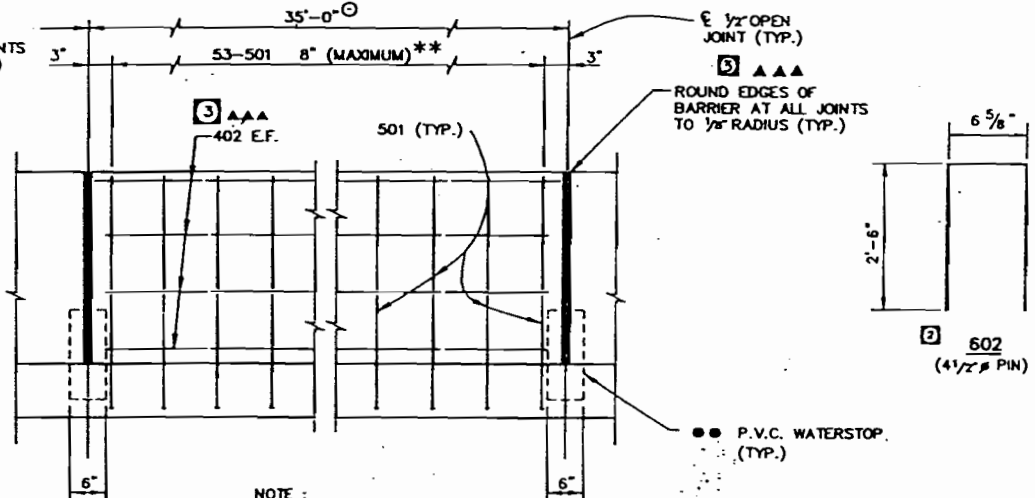
Burk - Klempeter, Inc.
Engineers, Architects, Planners, Environmental Scientists
New Orleans, Louisiana

DATE	DESCRIPTION	BY	DESIGNED	DATE	SCALE
			DESIGNED: R. BROWN	DATE: 7/25/16	SCALE: AS SHOWN
			CHECKED: S. L. BROWN	CHECKED: S. P. BROWN	SHEET NO. 1 OF 1

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	367
10-5(283)233	450-90-0083	ORLEANS	



OUTSIDE ELEVATION CONCRETE RAILING (42" BARRIER)
SCALE: 1"=1'-0"



OUTSIDE ELEVATION CONCRETE RAILING (32" BARRIER)
SCALE: 1"=1'-0"

REINFORCING STEEL SCHEDULE				
MARK	NO.	UNIT REQ'D	LENGTH	LOCATION
CONCRETE RAILING (42" BARRIER)				
401	10	34'-8"	346'-8"	LONGITUDINAL IN BARRIER
TOTAL No. 4 BARS = 346'-8"				(232 LBS.)
601	70	9'-4"	653'-4"	STIRRUPS
TOTAL No. 6 BARS = 653'-4"				(982 LBS.)
CONCRETE RAILING (32" BARRIER)				
402	6	34'-8"	208'-0"	LONGITUDINAL IN BARRIER
TOTAL No. 4 BARS = 208'-0"				(130 LBS.)
501	53	7'-5"	393'-1"	STIRRUPS
TOTAL No. 5 BARS = 393'-1"				(411 LBS.)

QUANTITIES FOR 1 (ONE) 35'-0" UNIT ONLY.

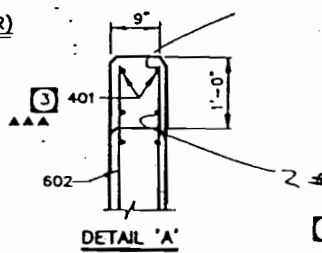
TABLE OF ESTIMATED QUANTITIES FOR CONCRETE RAILING			
ITEM	UNIT	QUANTITIES	
		42" BARRIER	32" BARRIER
CLASS AA CONCRETE	CU. YDS.	4.32	2.63
DEFORMED REINFORCING STEEL	LBS.	1,214	550

QUANTITIES ARE GIVEN FOR INFORMATION ONLY. THE COST OF CONCRETE, DEFORMED REINFORCING STEEL AND P.V.C. WATER STOP SHALL BE INCLUDED IN THE BID ITEM 810 (1)(A) CONCRETE RAILING (32" BARRIER) OR 810 (1)(C) CONCRETE RAILING (42" BARRIER) PER LIN. FT.

NOTE: REGULAR SLAB REINFORCEMENT NOT SHOWN (TYP.)

NOTE: REGULAR SLAB REINFORCEMENT NOT SHOWN (TYP.)

- ** AT THE OPTION OF THE CONTRACTOR, #4 BARS AT 5" MAXIMUM CENTERS MAY BE USED. USE 2" PIN FOR BENDING.
- NO DIRECT PAYMENT FOR P.V.C. WATERSTOPS.
- 1 ■ 3'-2 1/4" FOR SPANS 1-3 I-610 WB. & I-610 EB.
- 2 ■ 5'-6 1/4" FOR SPANS 1-3 I-610 WB. & I-610 EB.
- 3 ■ 6'-4 1/4" FOR SPANS 1-3 I-610 WB. & I-610 EB.

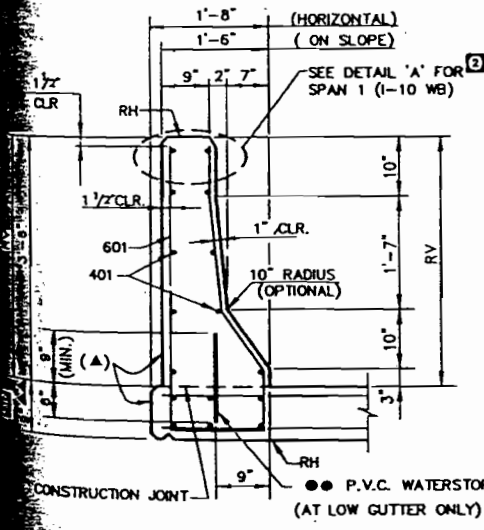


(THIS DETAIL APPLIES TO SPAN 1 I-10 WB ON BOTH SIDES. 54" BARRIER SHALL BE PAID UNDER BID ITEM 810(1)(C) CONCRETE RAILING (42" BARRIER) PER LIN. FT)

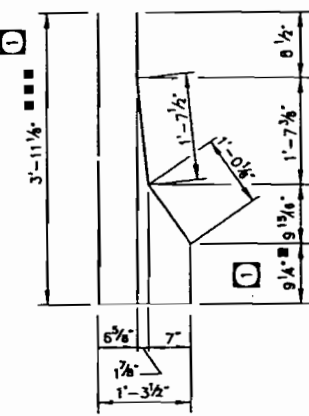
THE BARRIER DETAILS SHOWN HERE APPLIES TO WHOLE PROJECT EXCEPT SPAN 1-3 I-610 WB. AND SPAN 1-3 I-610 EB, WHICH HAVE 3'-0" THICK SLAB. THE CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENT TO REINFORCEMENT FOR THESE SPANS AT NO DIRECT COST.

ELIMINATE CONCRETE RAILING EXPANSION JOINTS FOR SPANS 1-3 (I-610 EB AND I-10 WB) ON BOTH SIDES. PROVIDE 2 - NO. 8 LONGITUDINAL BARS AT TOP INSTEAD OF 2 - NO. 4 LAP SPLICE FOR NO. 8 AND NO. 4 SHALL BE 4'-11" AND 1'-8" RESPECTIVELY. ALL THIS WORK SHALL BE PERFORMED AT NO ADDITIONAL COST.

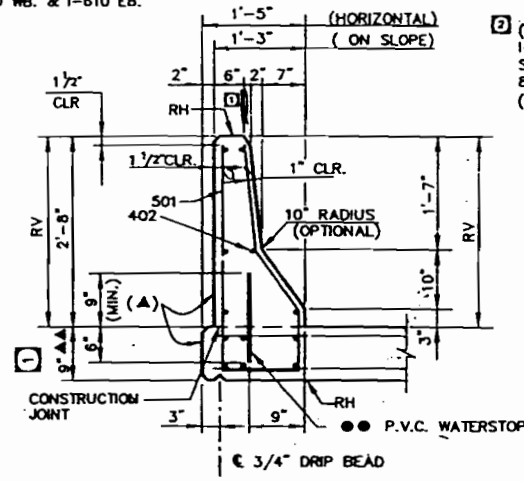
NOTES: FOR GENERAL NOTES, SEE SHEET 101



42" BARRIER



32" BARRIER



501 (2 1/2" PIN)

TYPICAL CONCRETE RAILING REINFORCEMENT DETAIL
SCALE: 1"=1'-0"



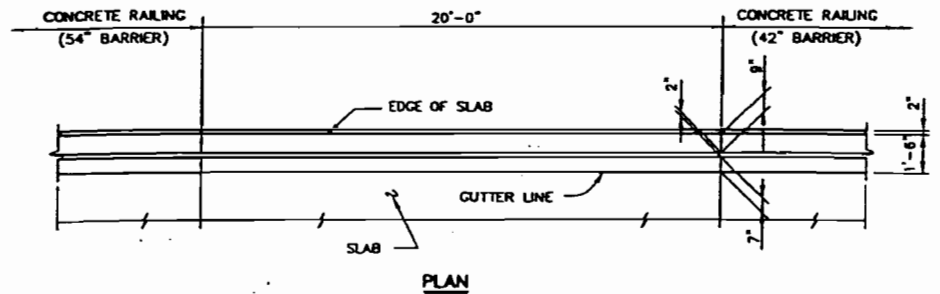
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass

CONCRETE RAILING

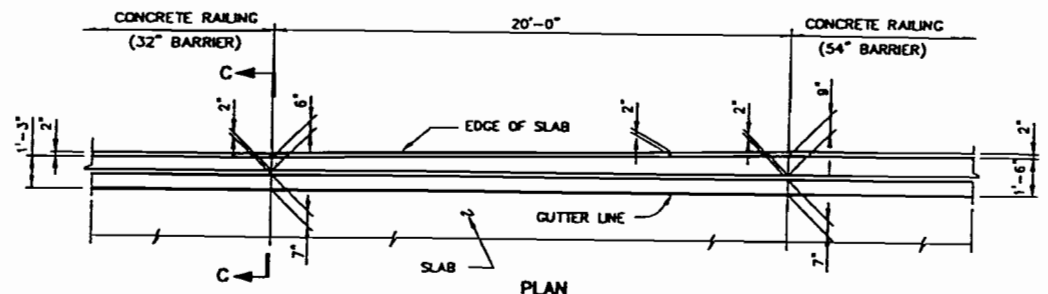
Bark-Klempeter, Inc.
New Orleans, Louisiana

7/23/98	REINFORCEMENT FOR BARRIER OVER 17th ST CANAL	810
7/28/98	INCLUDES DETAIL FOR 54" BARRIER	810

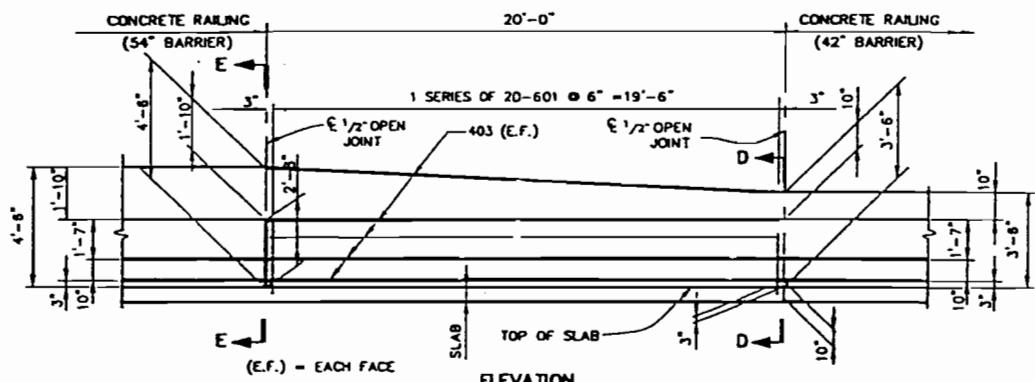
FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	368a
10-5(283)233	450-90-0083	ORLEANS	



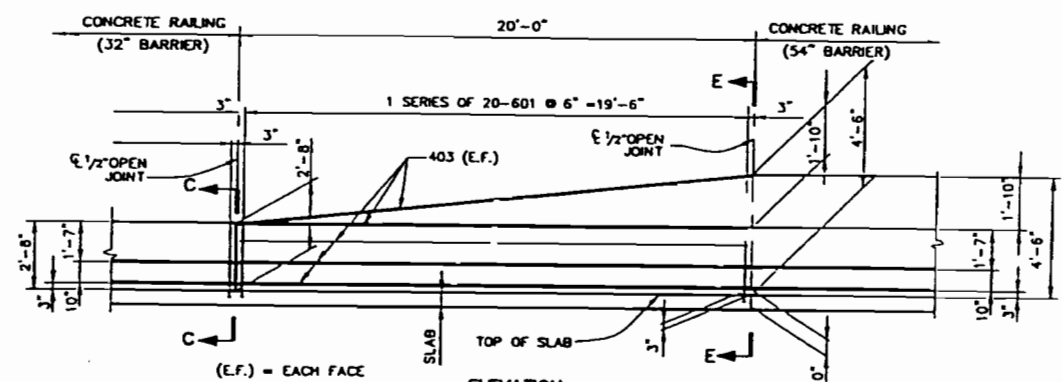
PLAN
 TRANSITION CONCRETE RAILING (54" BARRIER TO 42" BARRIER)
 SCALE: 3/8" = 1'-0"



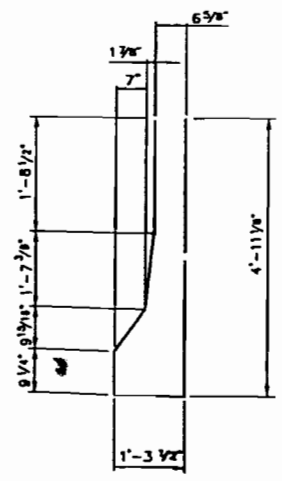
PLAN
 TRANSITION CONCRETE RAILING (32" BARRIER TO 54" BARRIER)
 SCALE: 3/8" = 1'-0"



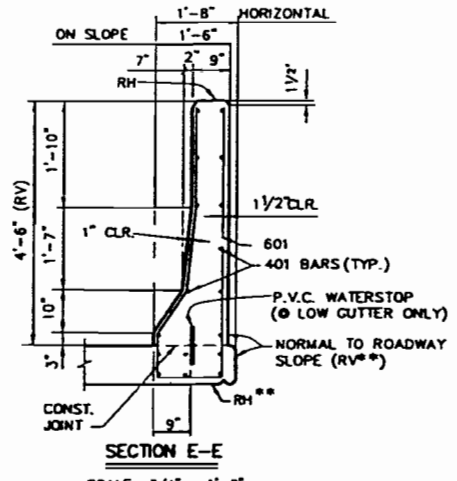
ELEVATION
 TRANSITION CONCRETE RAILING (54" BARRIER TO 42" BARRIER)
 SCALE: 3/8" = 1'-0"



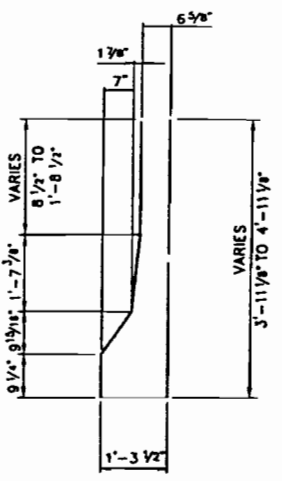
ELEVATION
 TRANSITION CONCRETE RAILING (32" BARRIER TO 54" BARRIER)
 SCALE: 3/8" = 1'-0"



601
 (4 1/2" φ PIN)

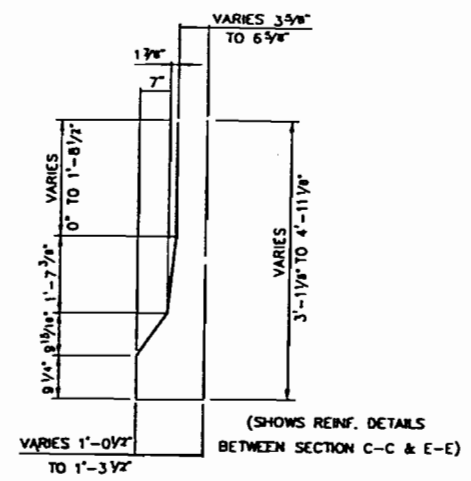


SECTION E-E
 SCALE: 3/4" = 1'-0"



601
 (4 1/2" φ PIN)

(SHOWS REINF. DETAILS BETWEEN SECTION D-D & E-E)



601
 (4 1/2" φ PIN)

(SHOWS REINF. DETAILS BETWEEN SECTION C-C & E-E)

NOTE:
 ALL MATERIAL AND LABOR FOR CONCRETE RAILING TRANSITIONS WILL BE PAID UNDER THE BID ITEM "810(1)(A) CONCRETE RAILING(32" BARRIER)"
 ** ONLY WHEN NOT CAST AGAINST GROUND. (ON BRIDGE ONLY, NOT IN APPROACH SLAB).
 FOR SECTION C-C & D-D, SEE SHEET 368.

NOTES:
 FOR GENERAL NOTES, SEE SHEET 101.



STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

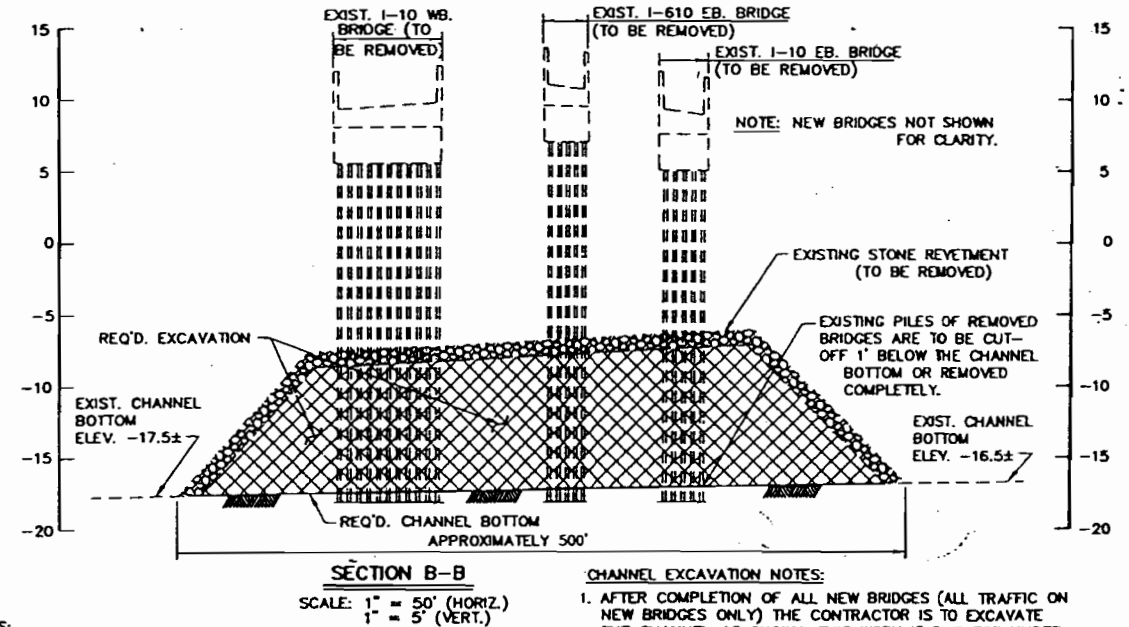
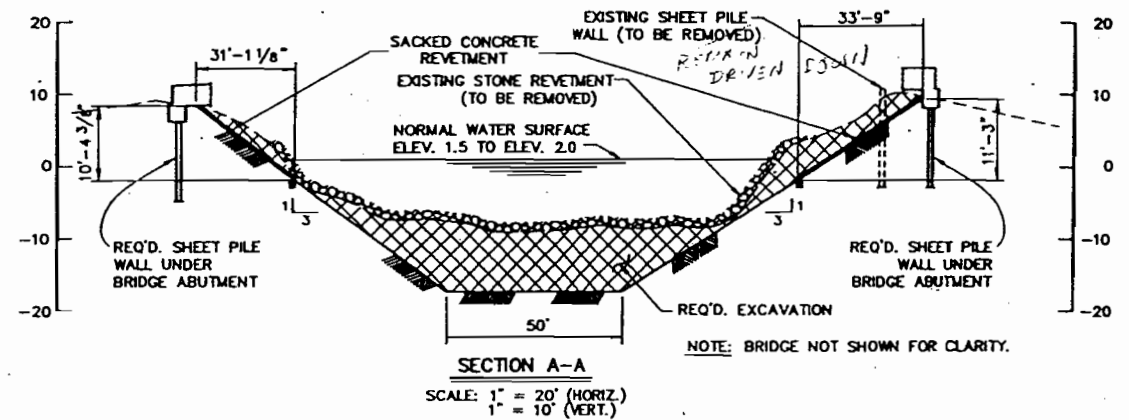
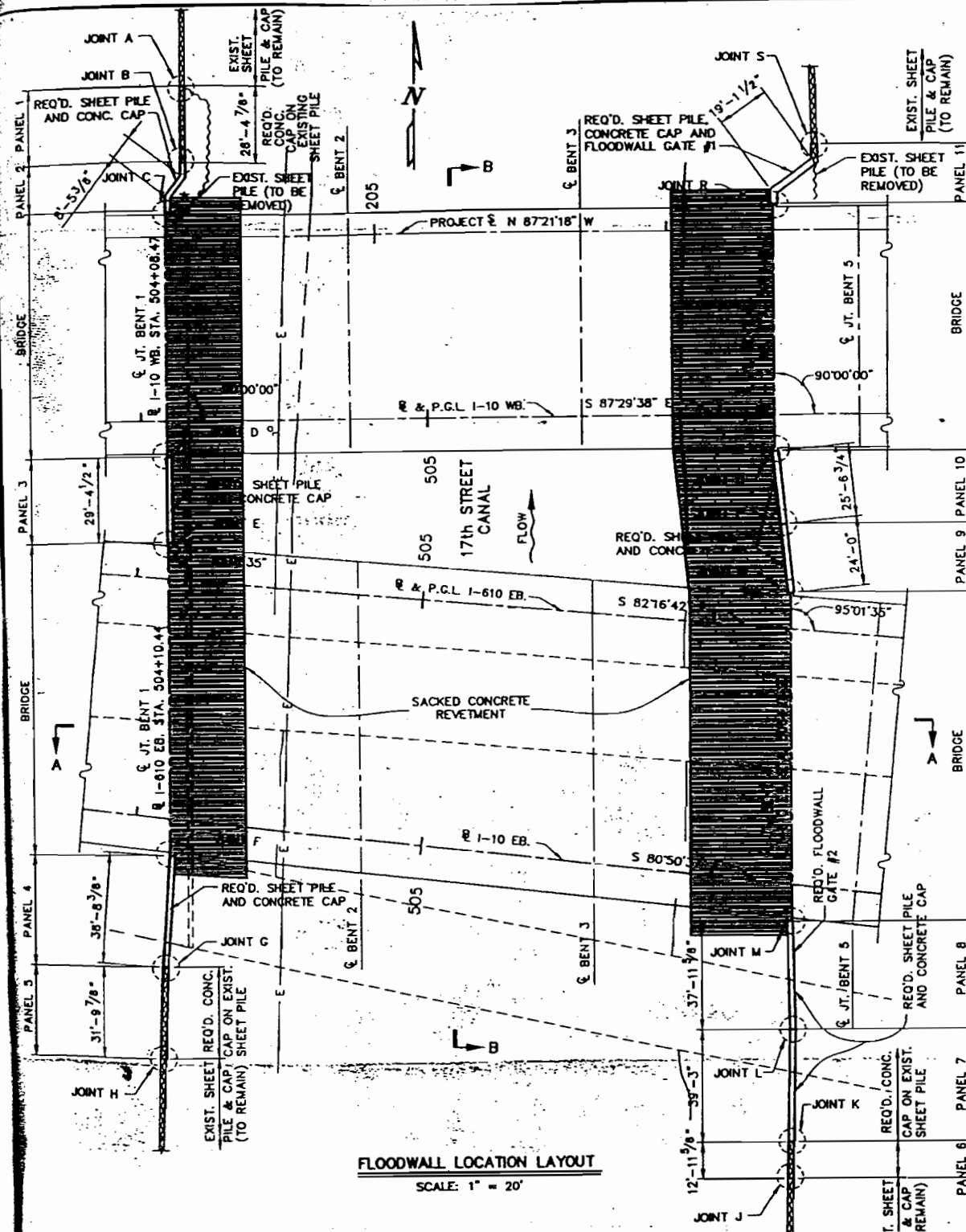
CONCRETE RAILING

Burk-Kleispeter, Inc.
 1000 P. DEPT
 REC. NO. 14224
 RECEIVED
 JUNE 1999

DESIGNED: S. BLAIN	CHECKED: E. CROFFAN	DATE: JUNE 99
DRAWN: S. BLAIN	CHECKED: S. BLAIN	SCALE: AS SHOWN
		SHEET NO. 3 OF 3

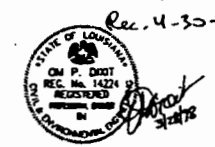
FILE NAME: AMEL-317P 01/10/99

FED. AD PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0082	JEFFERSON	379 A
10-5(283)233	450-90-0083	ORLEANS	



- NOTES:**
- FOR GENERAL NOTES, SEE SHEET 101.
 - FOR I-610 EB. GENERAL BRIDGE PLAN, SEE SHEET 103.
 - FOR I-10 WB. GENERAL BRIDGE PLAN, SEE SHEET 301.
 - FOR I-610 EB. BENT 1 DETAILS, SEE SHEETS 119-120.
 - FOR I-610 EB. BENT 4 DETAILS, SEE SHEETS 126-127.
 - FOR I-610 EB. SLAB DETAILS SPANS 1, 2 & 3, SEE SHEETS 201-203.
 - FOR I-10 WB. BENT 1 DETAILS, SEE SHEETS 311-312.
 - FOR I-10 WB. BENT 4 DETAILS, SEE SHEETS 316-317.
 - FOR I-10 WB. SLAB DETAILS SPANS 1, 2 & 3, SEE SHEETS 341-342a.
 - FOR I-610 EB. FOUNDATION LAYOUT, SEE SHEET 107.
 - FOR I-10 WB. FOUNDATION LAYOUT, SEE SHEET 303.
 - FOR EXISTING UTILITIES LAYOUT, SEE SHEETS 21-22.
 - FOR SHEET PILE NOTES, SEE SHEET 384.
 - FOR BONDING NOTES, SEE SHEET 385.
 - FOR FLEXIBLE REVETMENT AND RIPRAP DETAILS, SEE STANDARD DRAWING FR-1 SHEET 410c.
- CHANNEL EXCAVATION NOTES:**
- AFTER COMPLETION OF ALL NEW BRIDGES (ALL TRAFFIC ON NEW BRIDGES ONLY) THE CONTRACTOR IS TO EXCAVATE THE CHANNEL AS SHOWN. THIS WORK IS PAID FOR UNDER ITEM S-006 CHANNEL IMPROVEMENTS IN 17TH ST. CANAL, PER LUMP SUM.
 - CONTRACTOR IS TO TAKE THE NECESSARY PRECAUTIONS NOT TO DAMAGE NEW BRIDGES.
 - FOR EXISTING CHANNEL AS-BUILT INFORMATION, SEE SHEETS 387-388.
 - THE ESTIMATED AMOUNT OF EXCAVATION IS 17,250 C.Y. FOR INFORMATION ONLY.
 - THE ESTIMATED QUANTITY OF SACKED CONCRETE REVETMENT IS 1,570 SQ. YD. THIS WORK IS PAID FOR UNDER ITEM 712(03).

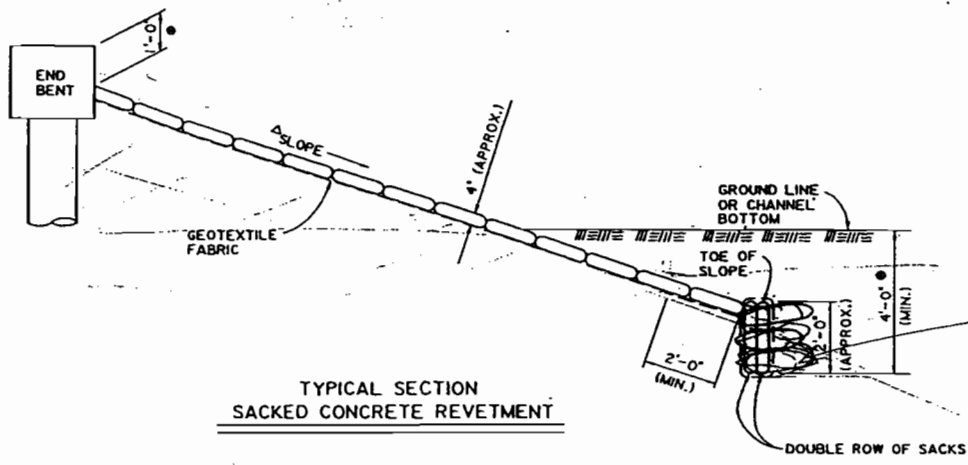
SEE NEXT SHEET
REDET. DETAILS



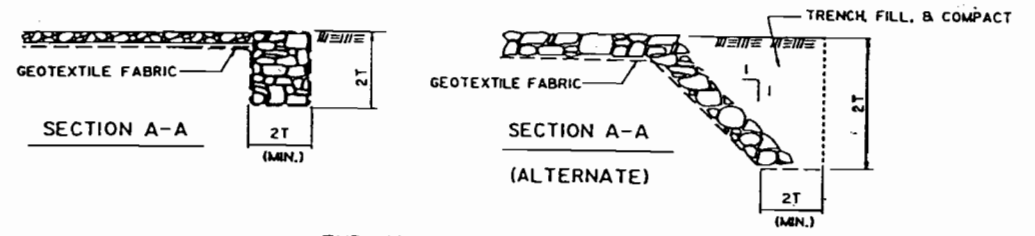
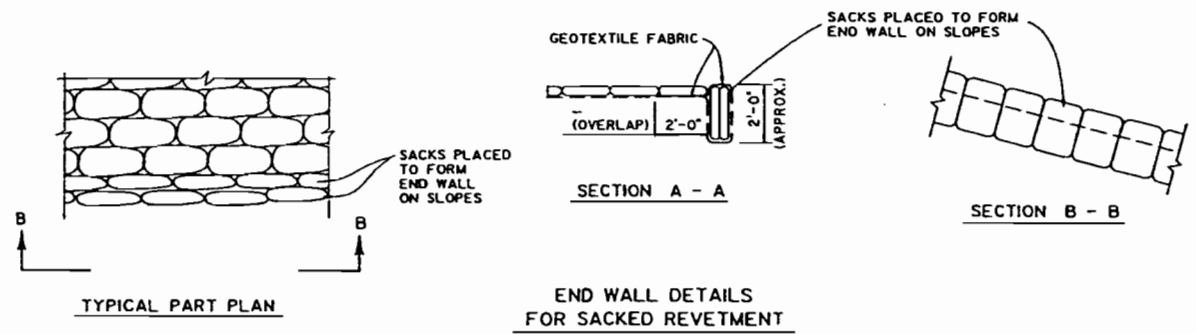
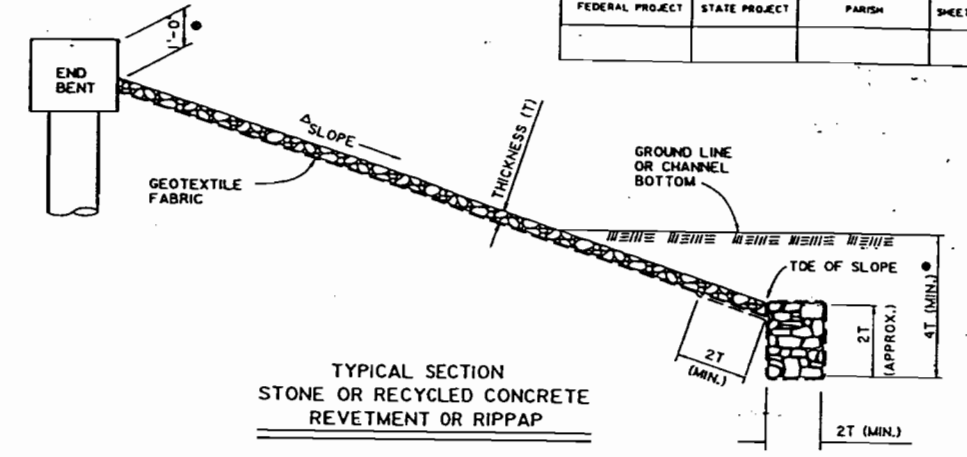
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
1-10 & I-610 OVER 17th STREET CANAL
- FLOODWALL LOCATION LAYOUT

Burk-Klempeter, Inc.
New Orleans, Louisiana

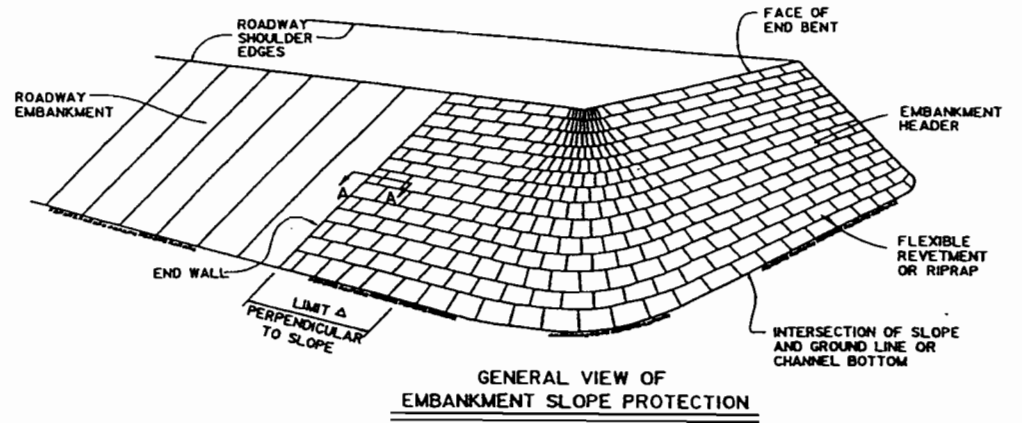
FEDERAL PROJECT	STATE PROJECT	PARISH	SHEET NO.



AS BUILT LAID HORIZ



END WALL DETAILS STONE OR RECYCLED CONCRETE REVETMENT OR RIPRAP



GENERAL NOTES:

RIPRAP AND FLEXIBLE REVETMENT SHALL BE PLACED IN ACCORDANCE WITH THE LATEST SECTIONS 711 AND 712 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

ALTERNATE DESIGNS MAY BE SUBMITTED TO THE HYDRAULIC ENGINEER FOR APPROVAL.

ELEVATION OF TOE OF SLOPE TO REMAIN CONSTANT FOR ALL PROTECTED SIDES OF THE EMBANKMENT, UNLESS OTHERWISE NOTED.

WHERE SLOPE PROTECTION FOR ADJACENT EMBANKMENTS INTERSECT, TERMINATE EACH WITH A TOE WALL AS DETAILED ON THIS SHEET EXCEPT WALLS ABUT.

RIPRAP CLASS (LBS.)	MINIMUM THICKNESS (T) (INCHES)
• 30	14
• 55	18
• 130	24
• 250	30

- STONE ONLY
- EQUIVALENT TO STONE OR RECYCLED CONCRETE REVETMENT.
- UNLESS OTHERWISE SHOWN ON PLANS.
- Δ SEE GENERAL PLAN FOR EMBANKMENT HEADER SLOPE AND LIMITS.

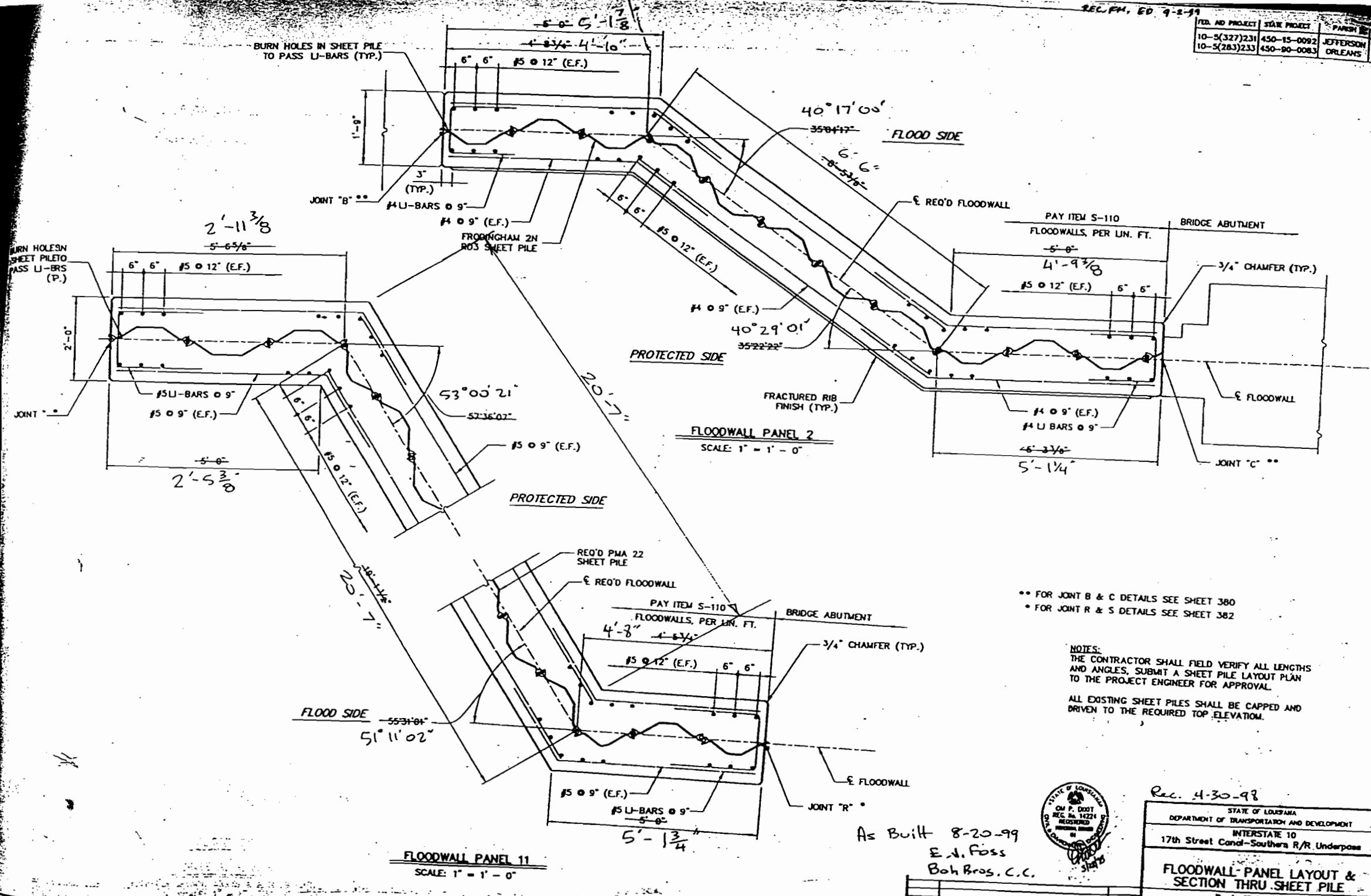


FR-01

FLEXIBLE REVETMENT AND RIPRAP

DATE: 10/1/97

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT



** FOR JOINT B & C DETAILS SEE SHEET 380
 ** FOR JOINT R & S DETAILS SEE SHEET 382

NOTES:
 THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND ANGLES, SUBMIT A SHEET PILE LAYOUT PLAN TO THE PROJECT ENGINEER FOR APPROVAL.
 ALL EXISTING SHEET PILES SHALL BE CAPPED AND DRIVEN TO THE REQUIRED TOP ELEVATION.

FLOODWALL PANEL 11
 SCALE: 1" = 1' - 0"

FLOODWALL PANEL 2
 SCALE: 1" = 1' - 0"

As Built 8-20-99
 E. J. Foss
 Boh Bros. C.C.



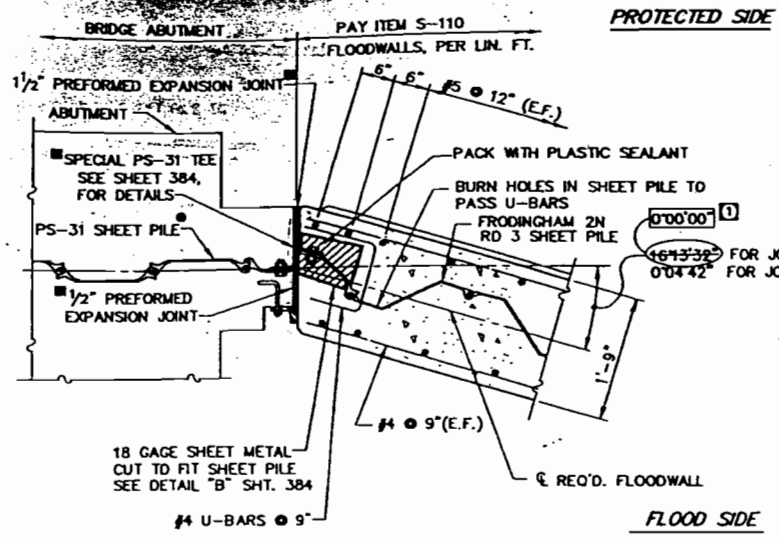
Rec. 4-30-98

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

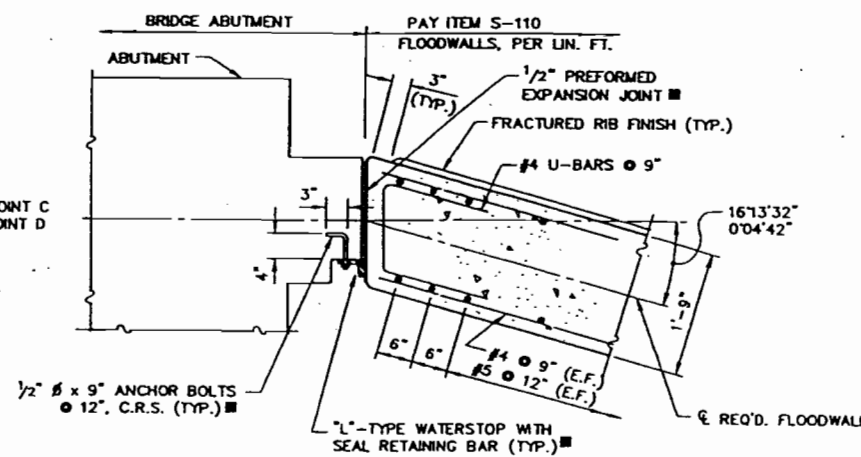
FLOODWALL PANEL LAYOUT & SECTION THRU SHEET PILE

Burk-Kelapeter, Inc.
 1700 Poydras Street
 New Orleans, Louisiana 70112

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-S(327)231	450-15-0092	JEFFERSON	380A
10-S(283)233	450-90-0083	ORLEANS	



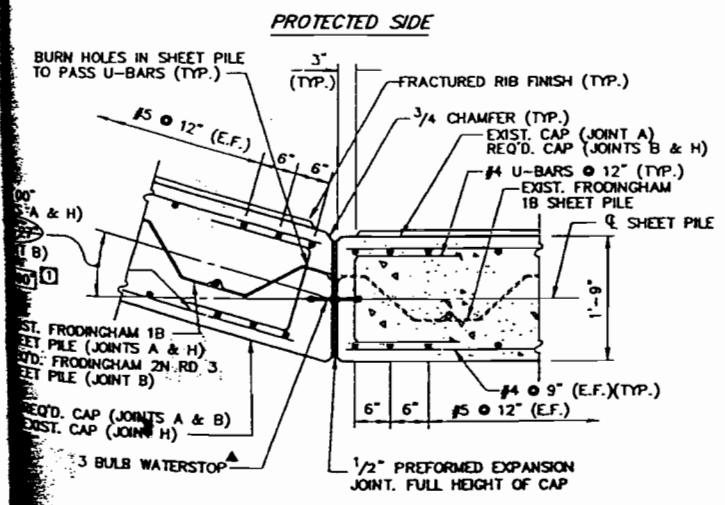
SECTION THRU SHEET PILE



SECTION ABOVE SHEET PILE

JOINTS C & D
(JOINT C SHOWN, JOINT D SIMILAR)
SCALE: 1" = 1' - 0"

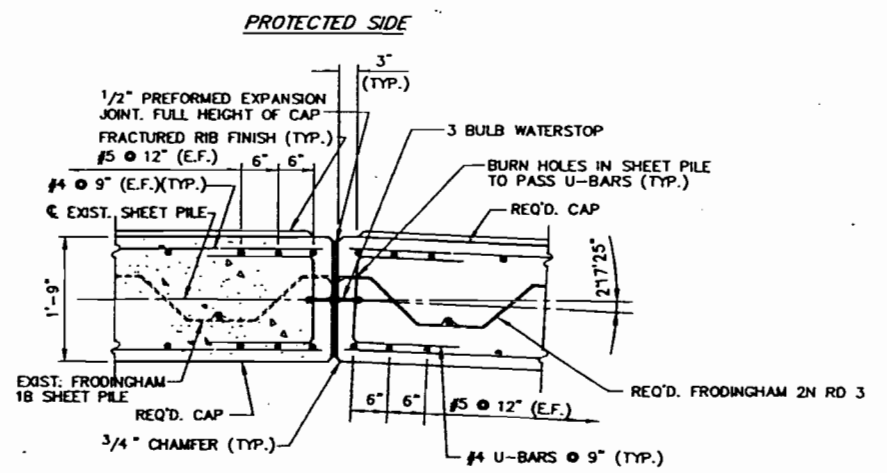
- PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS-31), PER SQUARE FT.
- COST TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FT.



JOINTS A, B, & H

(JOINT B SIMILAR TO JOINTS A & H)

▲ EXIST. 3-BULB WATERSTOP AT JOINTS A & H



JOINT C

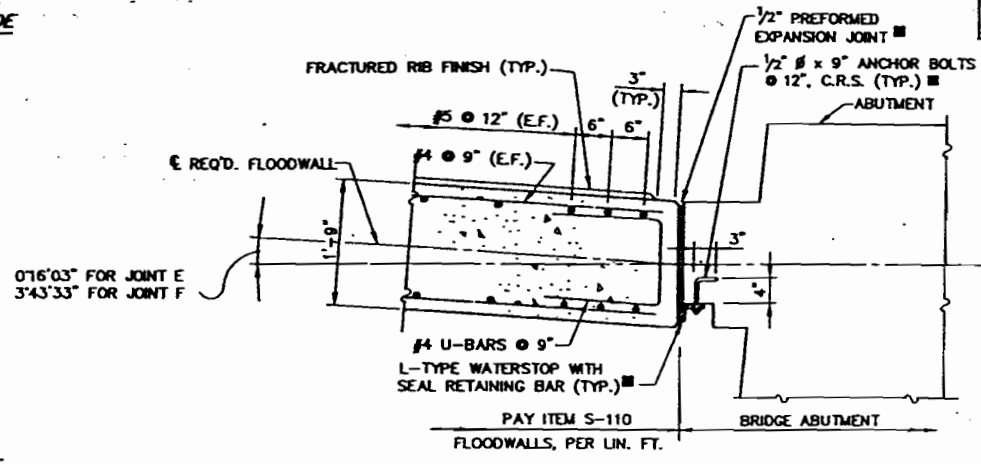
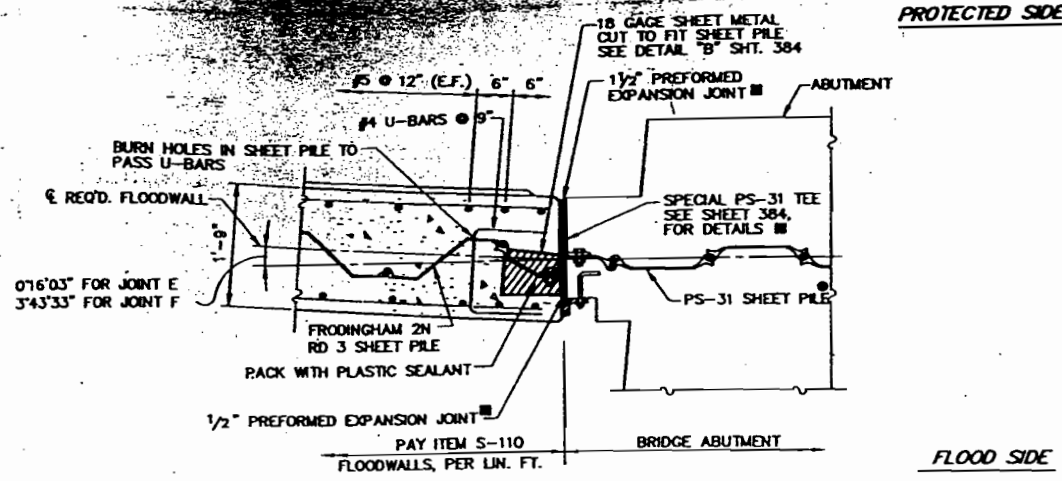
SCALE: 1" = 1' - 0"

NOTE:
THE CONTRACTOR IS TO FIELD VERIFY ALL LENGTHS AND ANGLES AND SUBMIT A SHEET PILE LAYOUT PLAN TO THE PROJECT ENGINEER FOR APPROVAL.
ALL EXISTING SHEET PILING TO BE CAPPED SHALL BE DRIVEN TO THE REQ'D. TOP ELEVATION.

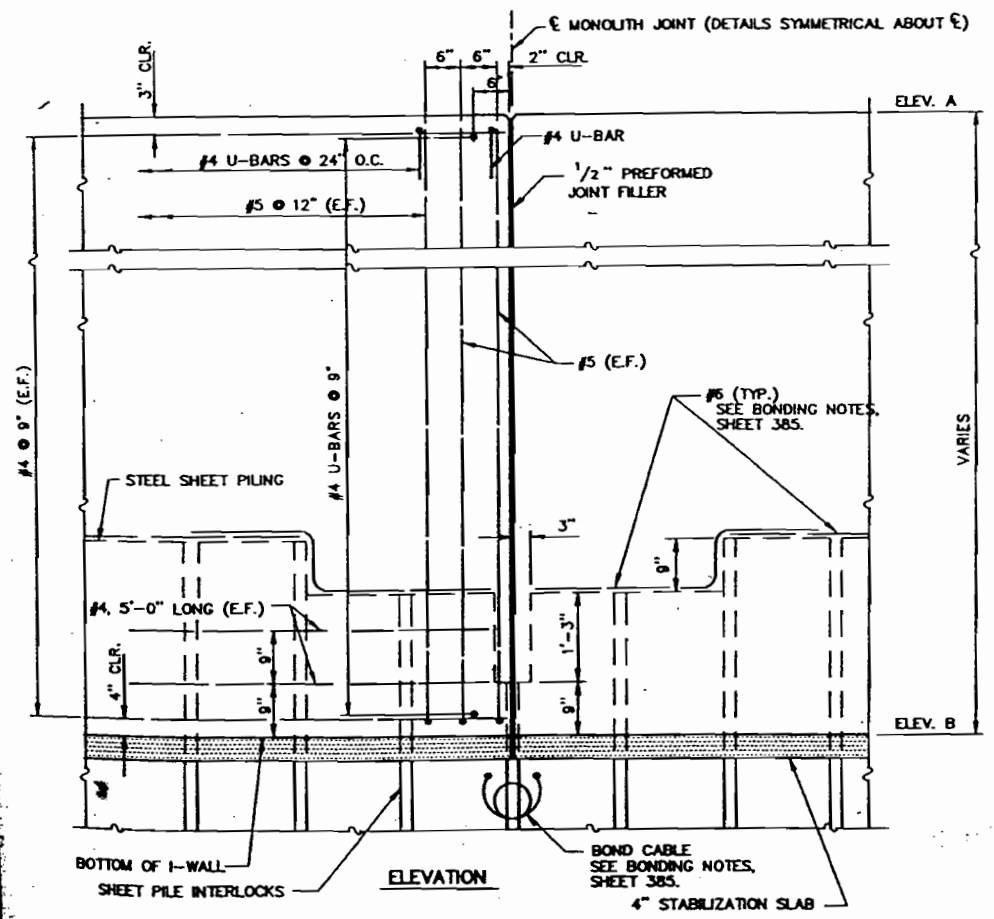


Rec. 4-30-98

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass
FLOODWALL TRANSITION DETAILS



JOINTS E & F
(JOINT F SHOWN, JOINT E SIMILAR)
SCALE: 1" = 1' - 0"



- PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS-31), PER SQUARE FT.
- COST TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FT.

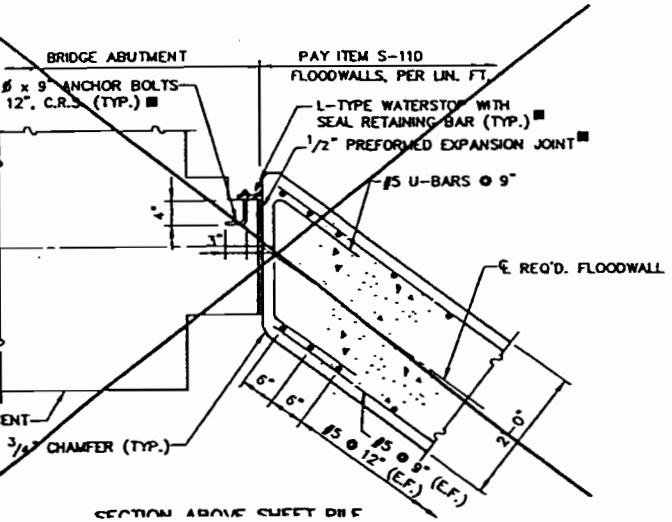
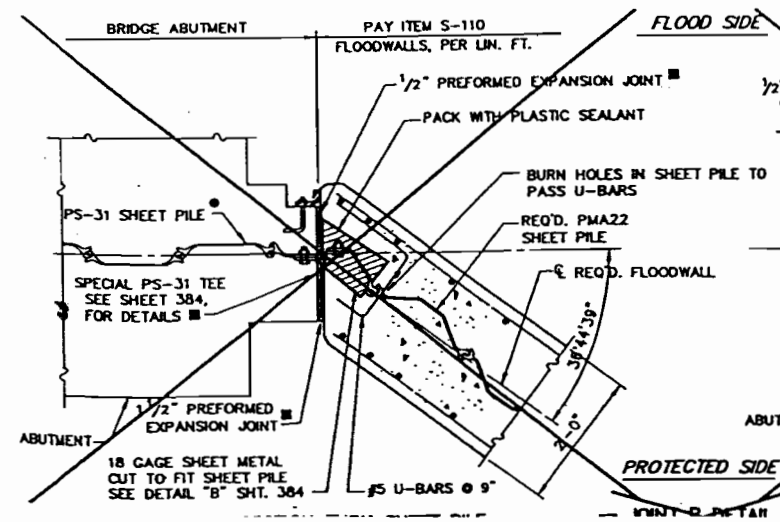
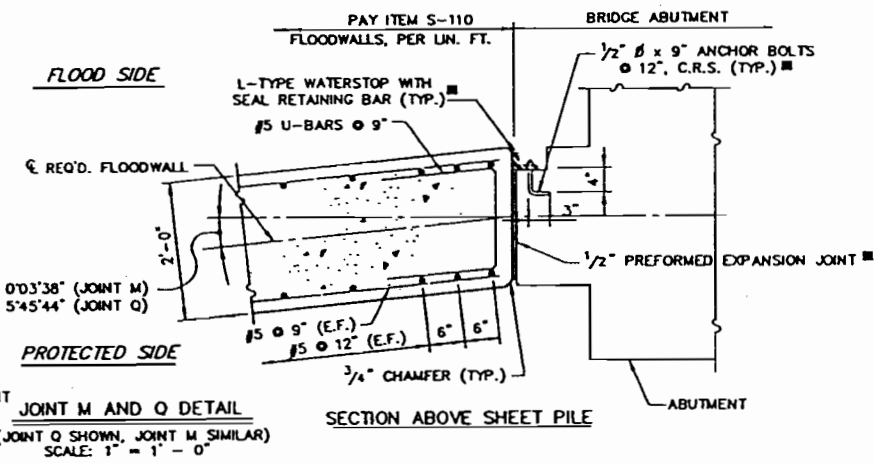
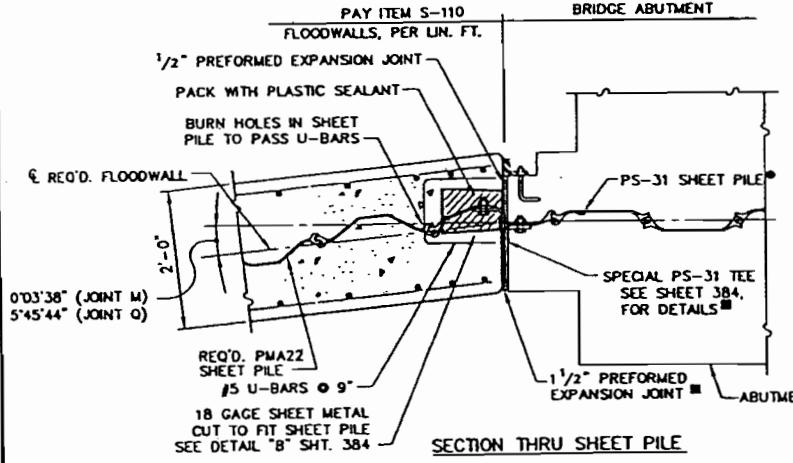
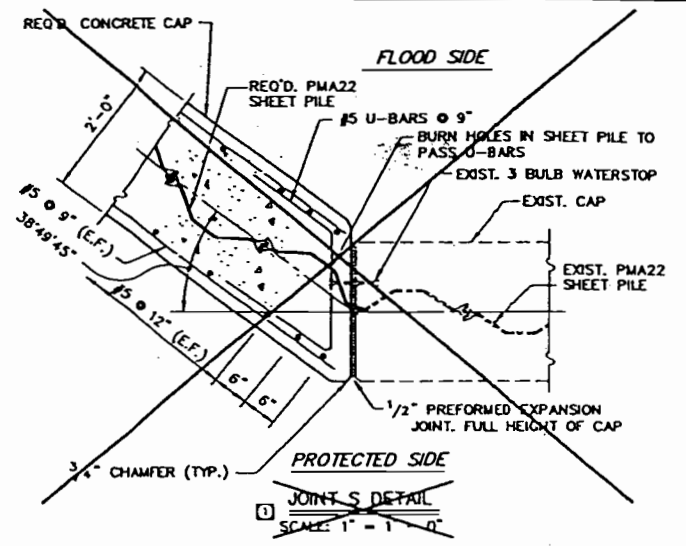
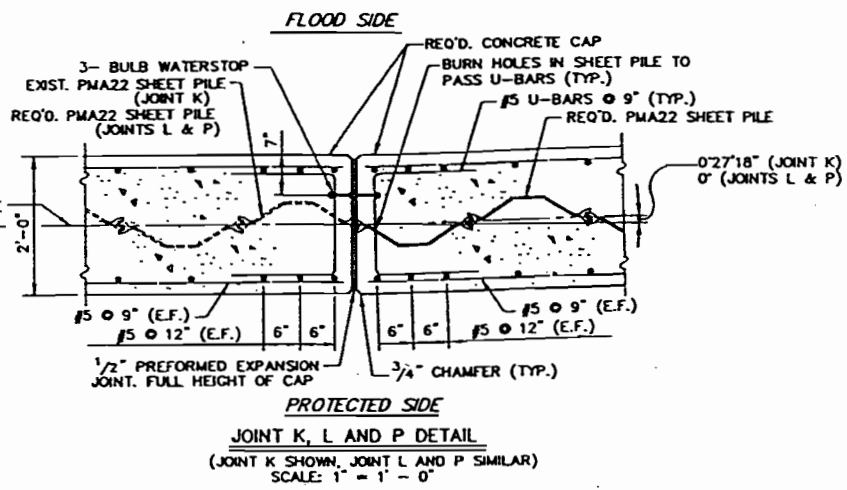
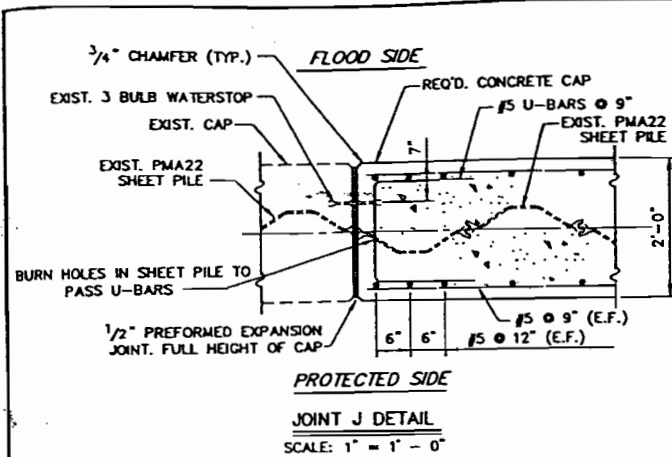
NOTE:
THE CONTRACTOR IS TO FIELD VERIFY ALL LENGTHS AND ANGLES AND SUBMIT A SHEET PILE LAYOUT PLAN TO THE PROJECT ENGINEER FOR APPROVAL.
ALL EXISTING SHEET PILING TO BE CAPPED SHALL BE DRIVEN TO THE REQ'D. TOP ELEVATION.
☐ FOR ELEVATIONS A & B OF FLOODWALL PANEL CAPS, SEE SHEET 385.



Rec. 4-30-98

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 55
17th Street Causeway Southern R/R Underpass
FLOODWALL TRANSITION DETAILS
Dark-Klein, Inc.
DESIGNED: [Signature] CHECKED: [Signature] DATE: [Date]

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-S(327)231	450-15-0092	JEFFERSON	382A
10-S(283)233	450-90-0083	ORLEANS	



- PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS-31), PER SQUARE FT.
- COST TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FT.

NOTE:
THE CONTRACTOR IS TO FIELD VERIFY ALL LENGTHS AND ANGLES AND SUBMIT A SHEET PILE LAYOUT PLAN TO THE PROJECT ENGINEER FOR APPROVAL.
ALL EXISTING SHEET PILING TO BE CAPPED SHALL BE DRIVEN TO THE REQ'D. TOP ELEVATION.
① FOR JOINT R & S DETAILS, SEE SHEET 383.



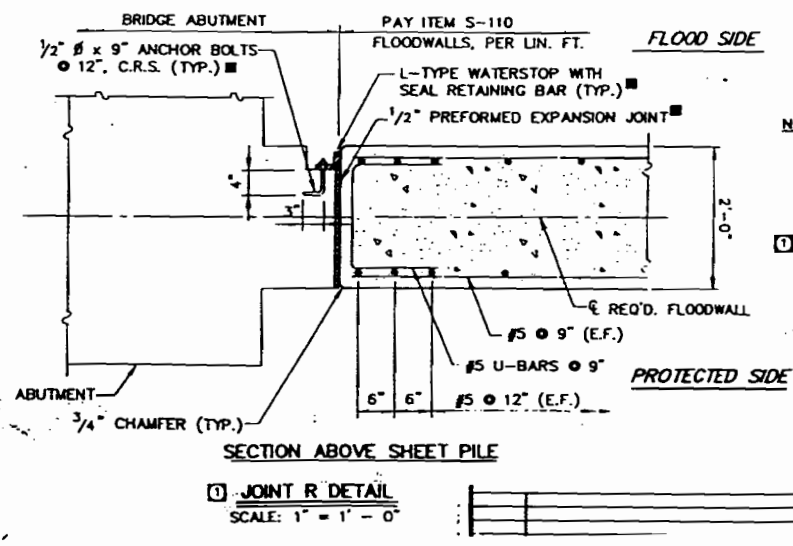
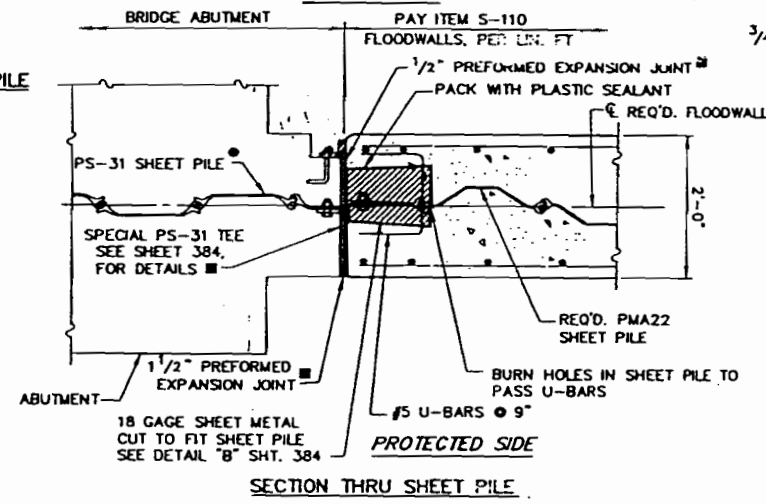
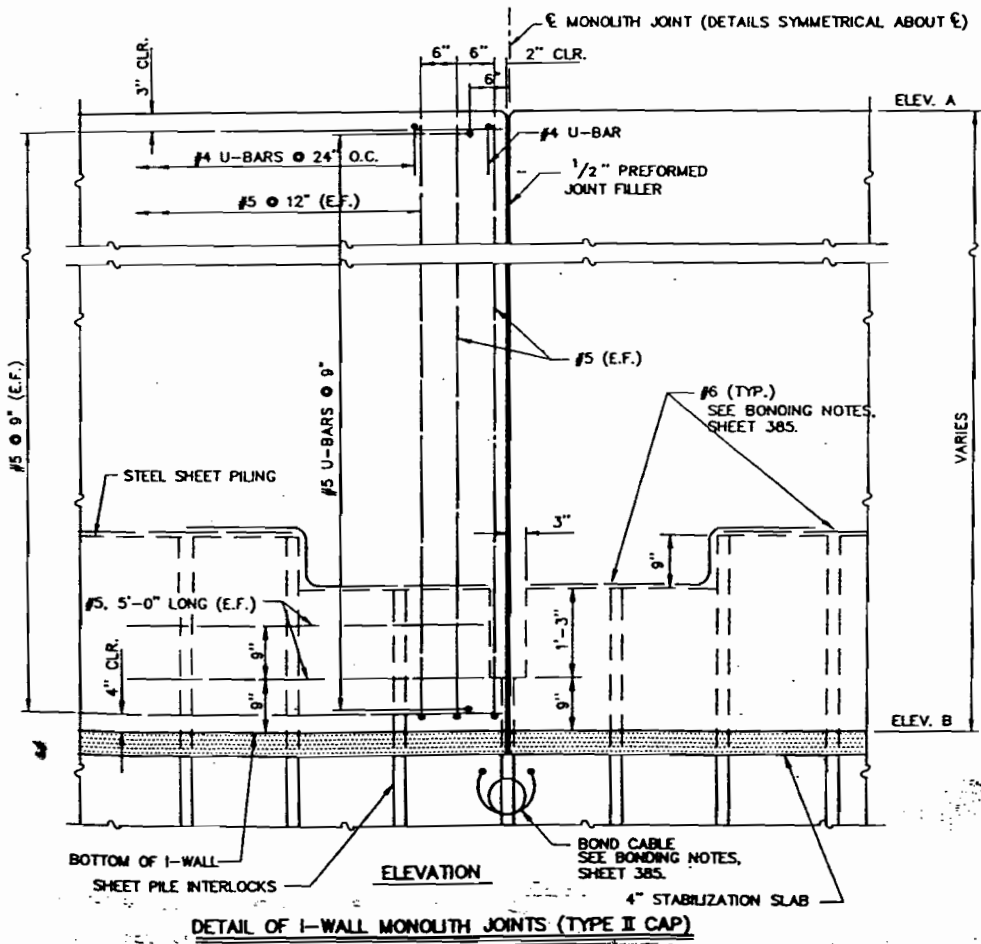
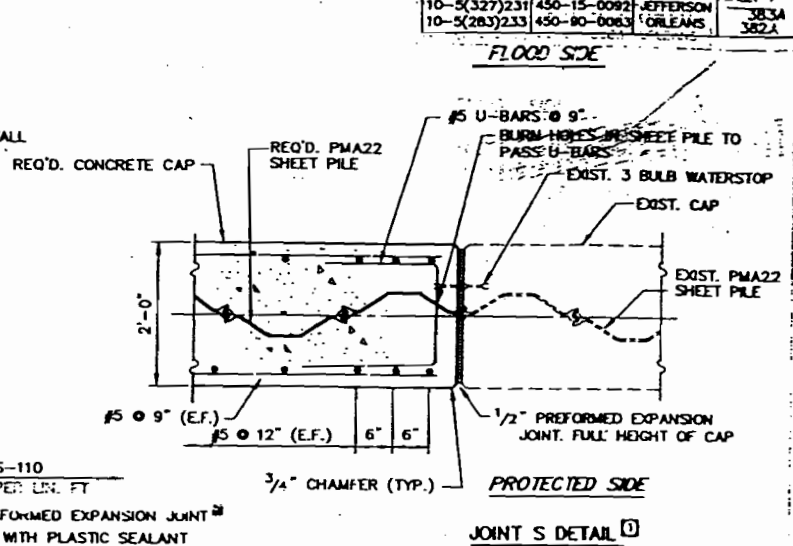
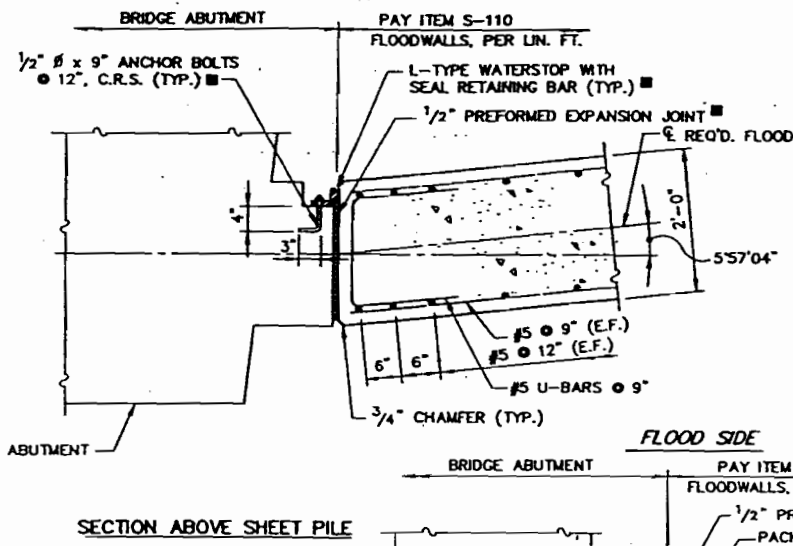
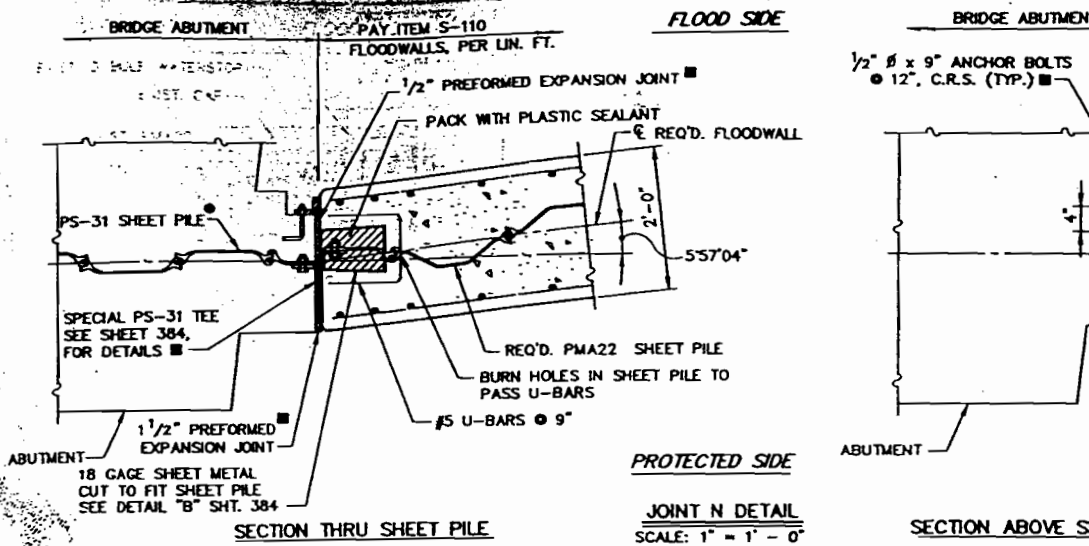
Rec. 4-30-98
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Concl-Southern R/R Underpass

FLOODWALL TRANSITION DETAILS

Burk-Deopeter, Inc.
Engineers & Architects
300 Poydras Street, Suite 2000
New Orleans, Louisiana 70112

DATE: 01/20/98

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	383A
10-5(283)233	450-80-0063	ORLEANS	382A



- PAID UNDER ITEM 803(04) STEEL SHEET PILE WALL (PS-31), PER SQUARE FT.
- COST TO BE INCLUDED IN ITEM S-110 FLOODWALLS, PER LIN. FT.

NOTE:
 THE CONTRACTOR IS TO FIELD VERIFY ALL LENGTHS AND ANGLES AND SUBMIT A SHEET PILE LAYOUT PLAN TO THE PROJECT ENGINEER FOR APPROVAL.
 ALL EXISTING SHEET PILING TO BE CAPPED SHALL BE DRIVEN TO THE REQ'D. TOP ELEVATION.
 □ FOR ELEVATIONS A & B OF FLOODWALL PANEL CAPS, SEE SHEET 385.



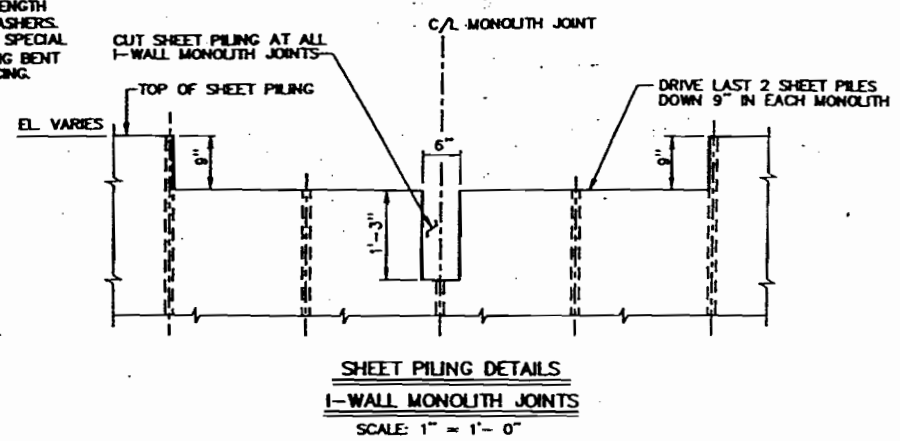
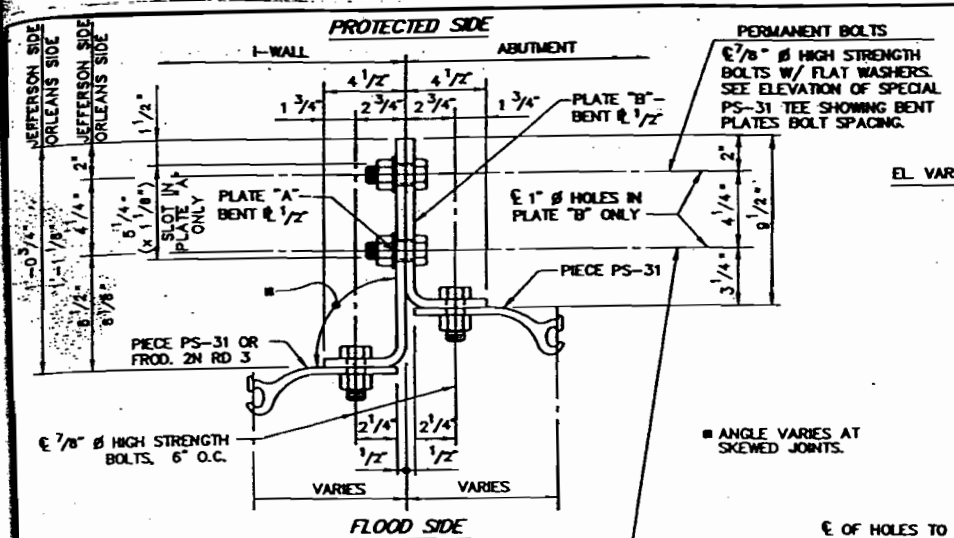
Rec. 4-30-98

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street, Canal Station, I-10 Underpass

FLOODWALL TRANSITION DETAILS

Durr-Klempner, Inc.

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	384A
10-5(283)233	450-90-0083	ORLEANS	



- SHEET PILE NOTES:**
1. A MINIMUM OF 6 INCHES CONCRETE COVER SHALL BE PROVIDED OVER SHEET PILING AT ALL POINTS.
 2. HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" ϕ WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE. THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.
 3. FABRICATED CONNECTIONS SHALL BE FASTENED WITH 7/8" ϕ HIGH-STRENGTH BOLTS LOCATED ON 6" CENTERS FOR THE LENGTH OF THE SECTION EXCEPT FOR 2 FEET AT EACH END WHERE THEY SHALL BE LOCATED ON 3" CENTERS.
 4. BENT CORNER STEEL SHEET PILE PLATES SHALL HAVE A MINIMUM THICKNESS OF 1/2"
 5. THE CONTRACTOR IS TO FIELD VERIFY ALL LENGTHS AND ANGLES IN THE FIELD AND SUBMIT A SHEET PILE LAYOUT PLAN TO THE PROJECT ENGINEER FOR APPROVAL.

DETAIL "A"

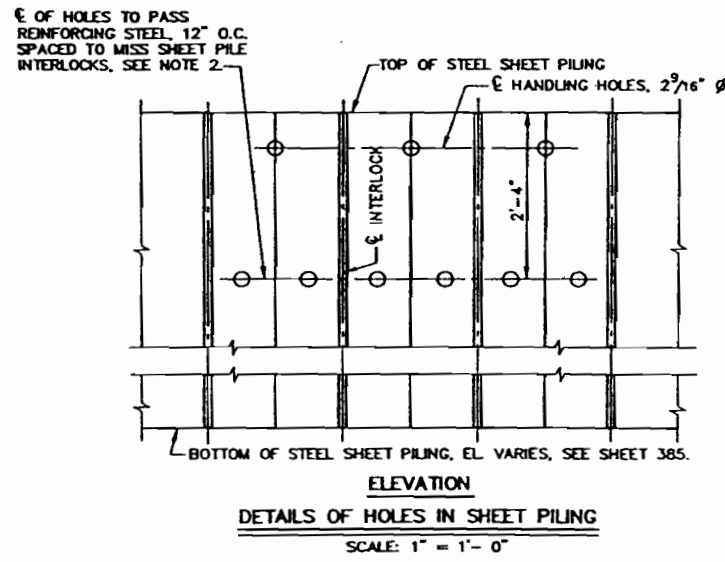
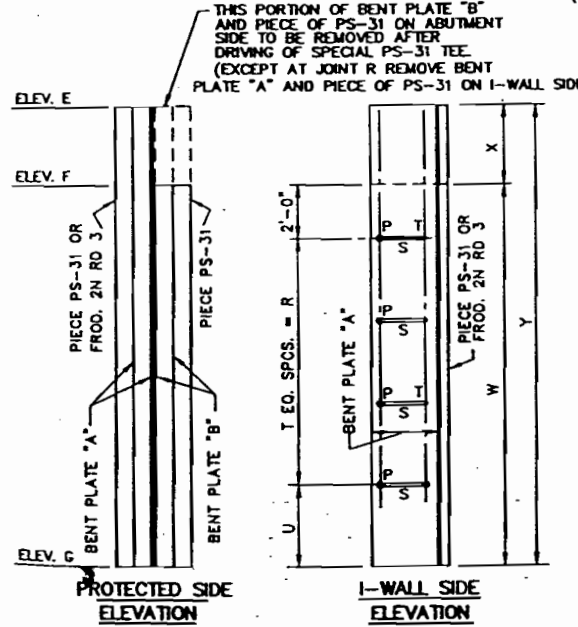
SPECIAL PS-31 TEE

SCALE: 3" = 1'-0"

THIS PORTION OF BENT PLATE "B" AND PIECE OF PS-31 ON ABUTMENT SIDE TO BE REMOVED AFTER DRIVING OF SPECIAL PS-31 TEE. (EXCEPT AT JOINT R REMOVE BENT PLATE "A" AND PIECE OF PS-31 ON I-WALL SIDE)

LEGEND:

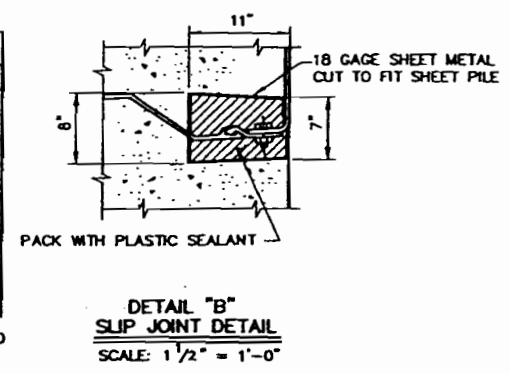
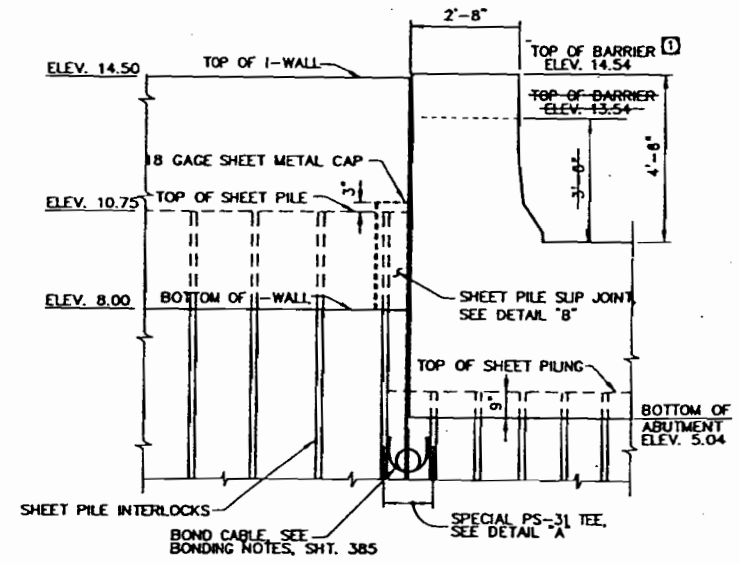
P = PERMANENT BOLT
 T = TEMPORARY BOLT
 S = SLOTTED HOLE (PLATE "A" ONLY)



SPECIAL PS-31 TEE DIMENSIONS

JOINT	ELEV. E	ELEV. F	ELEV. G	R	T	U	W	X ^A	Y
C	10.75	6.00	-2.00	4'-0"	2	2'-0"	8'-0"	4'-9"	12'-9"
D	10.75	6.00	-2.00	4'-0"	2	2'-0"	8'-0"	4'-9"	12'-9"
E	10.75	7.25	-2.00	6'-0"	3	1'-3"	9'-3"	3'-6"	12'-9"
F	12.75	7.00	0.00	4'-0"	2	1'-0"	7'-0"	5'-9"	12'-9"
M	12.75	10.75	-1.75	8'-0"	4	2'-6"	12'-6"	2'-0"	14'-6"
N	12.75	11.25	-3.00	10'-0"	5	2'-3"	14'-3"	1'-6"	15'-9"
Q	10.75	8.25	-5.00	10'-0"	5	1'-3"	13'-3"	2'-6"	15'-9"
R	7.25	8.50	-6.50	10'-0"	5	1'-9"	13'-9"	1'-3"	15'-0"

^A PORTION OF BENT PLATE "B" AND PIECE OF PS-31 ON ABUTMENT SIDE TO BE REMOVED AFTER DRIVING OF SPECIAL PS-31 TEE. (EXCEPT AT JOINT R REMOVE THIS PORTION OF BENT PLATE "A" AND PIECE OF PS-31 ON I-WALL SIDE).



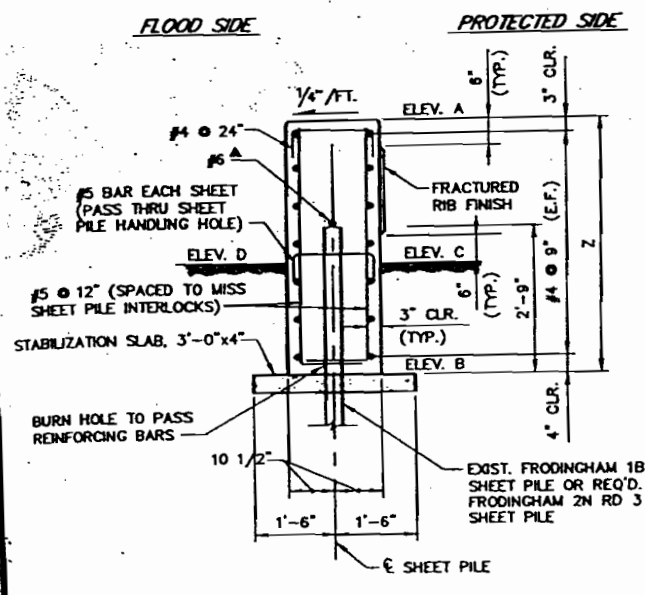
Rec. 4-30-98

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street, Canal-Southern R/R Underpass

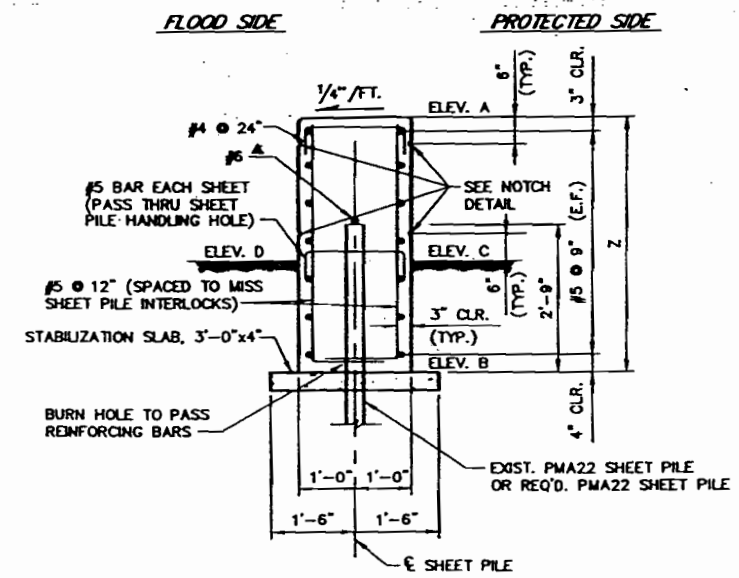
FLOODWALL TRANSITION DETAILS

Burk-Kelapeter, Inc.

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	385A
10-5(283)233	450-90-0083	ORLEANS	

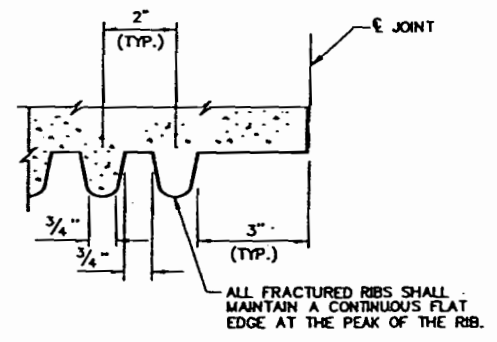


TYPICAL TYPE I CAP (JEFFERSON SIDE)
SCALE: 3/4" = 1' - 0"

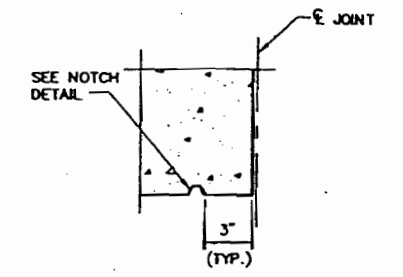


TYPICAL TYPE II CAP (ORLEANS SIDE)
SCALE: 3/4" = 1' - 0"

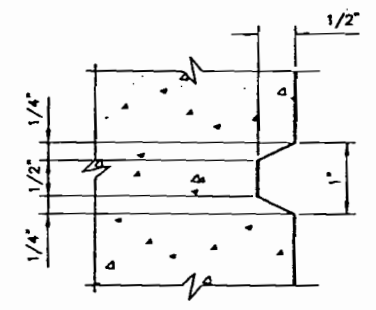
SEE BONDING NOTES.



FRACTURED RIB FINISH DETAIL
SCALE: 6" = 1' - 0"



LOCATION OF VERTICAL NOTCHES
SCALE: 3" = 1' - 0"



NOTCH DETAIL
SCALE: 12" = 1' - 0"

BONDING NOTES:

#6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH STEEL SHEET PILE. #6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE MONOLITH JOINT. INSTALL BOND CABLE AAT ALL I-WALL JOINTS AND I-WALL TO BENT JOINTS. BOND CABLE SHALL HAVE AN 8" DIAMETER LOOP TO ALLOW FOR STRESSES. BOND CABLE SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL PILES 7" BELOW OF CONCRETE CAP FOR I-WALL JOINTS AND I-WALL TO BENT JOINTS. WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINTS. #6 REINFORCING BARS SHALL BE WELDED TO THE LAST THREE SHEET PILING AT EACH END OF THE MONOLITH AS SHOWN FOR CONTINUITY. SEE DETAIL OF I-WALL MONOLITH JOINT SHEETS 381 AND 383. SPLICING OF #6 REINFORCING BAR WILL NOT BE ALLOW, EXCEPT AT THE ENDS OF I-WALL MONOLITHS AS SHOWN IN DETAIL OF I-WALL MONOLITH JOINT SHEETS 381 AND 383.



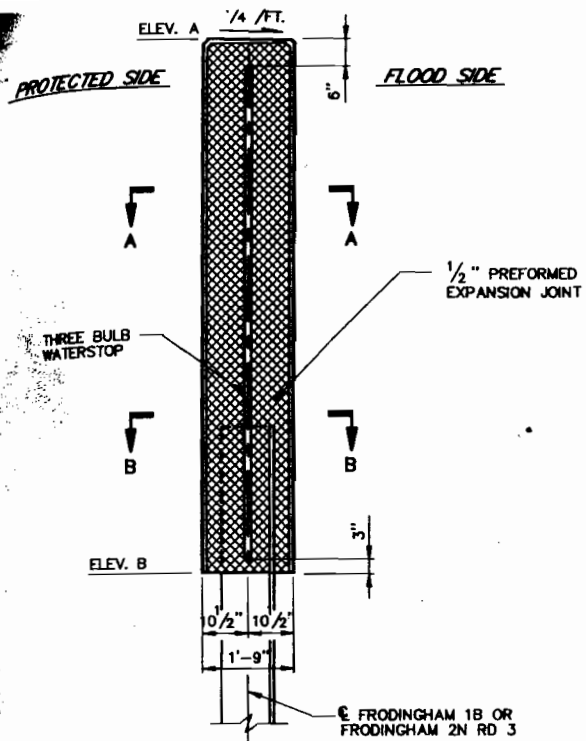
DESCRIPTION	WALL LENGTH	CAP TYPE	ELEV. A	ELEV. B	ELEV. C	ELEV. D	Z	SHEET PILE TIP ELEV.
PANEL 1 REQUIRED CAP	26'-4 7/8"	23'-0" I	14.5	8.0	10.0	10.0	6.5	-2.00
PANEL 2 REQUIRED SHEET PILE & CAP	37'-7 1/8" (1)	I	14.5	8.0	10.0	10.0	6.5	-2.00
PANEL 3 REQUIRED SHEET PILE & CAP	29'-4 1/2"	I	14.5	8.0	10.0	10.0	6.5	-2.00
PANEL 4 REQUIRED SHEET PILE & CAP	38'-8 3/8"	I	15.0	10.0	12.0	12.0	5.0	0.00
PANEL 5 REQUIRED CAP	31'-9 7/8"	I	15.0	10.0	12.0	12.0	5.0	0.00
PANEL 6 REQUIRED CAP	12'-11 1/8"	II	15.0	10.0	12.0	12.0	5.0	-1.75
PANEL 7 REQUIRED SHEET PILE & CAP	39'-3"	II	15.0	10.0	12.0	12.0	5.0	-1.75
PANEL 8 REQUIRED SHEET PILE & CAP	37'-11 5/8"	II	15.0	10.0	12.0	12.0	5.0	-1.75
PANEL 9 REQUIRED SHEET PILE & CAP	24'-0"	II	14.5	10.0	12.0 TO 11.0	12.0 TO 11.0	4.5	-3.00
PANEL 10 REQUIRED SHEET PILE & CAP	25'-6 3/4"	II	14.5	8.0	11.0 TO 10.0	11.0 TO 10.0	6.5	-5.00
PANEL 11 REQUIRED SHEET PILE & CAP	26'-0 1/4" (1)	II	14.5	4.5	9.5	6.5 TO 9.5	10.0	-6.50

Rec'd 4-30-98

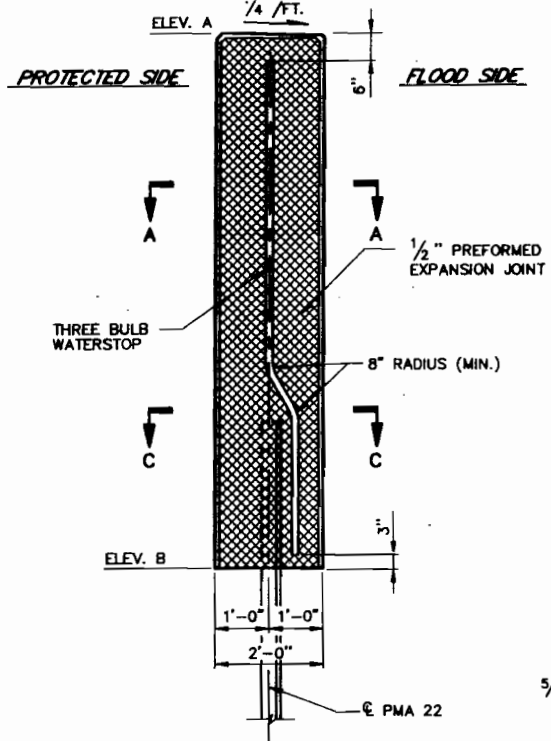
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass

FLOODWALL TRANSITION DETAILS

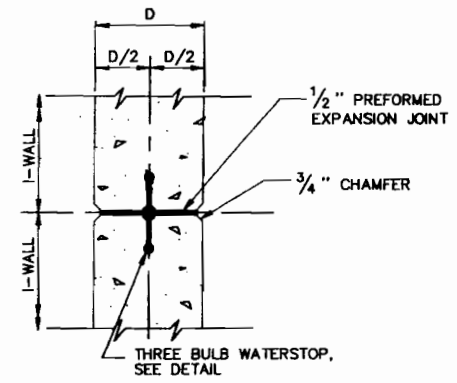
Burk-Kleinpieter, Inc.
Engineers & Architects
New Orleans, Louisiana



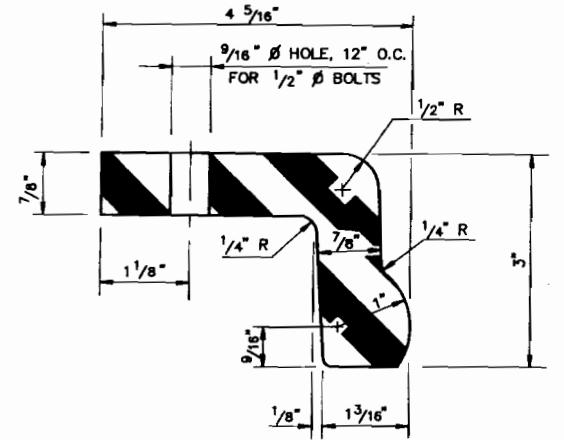
TYPICAL TYPE I CAP I-WALL JOINT (JEFFERSON SIDE)
 SCALE: 3/4" = 1' - 0"



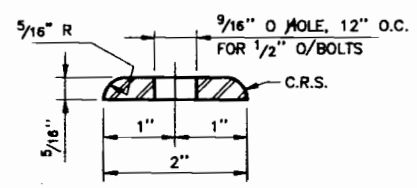
TYPICAL TYPE II CAP I-WALL JOINT (ORLEANS SIDE)
 SCALE: 3/4" = 1' - 0"



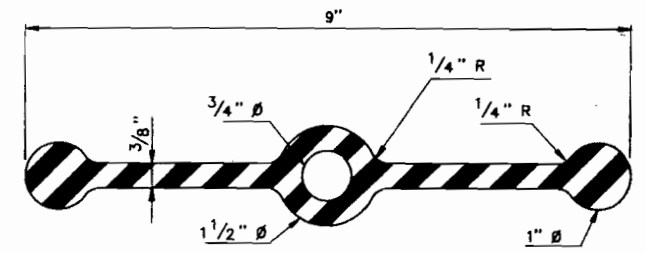
SECTION A-A
 SCALE: 1 1/2" = 1' - 0"



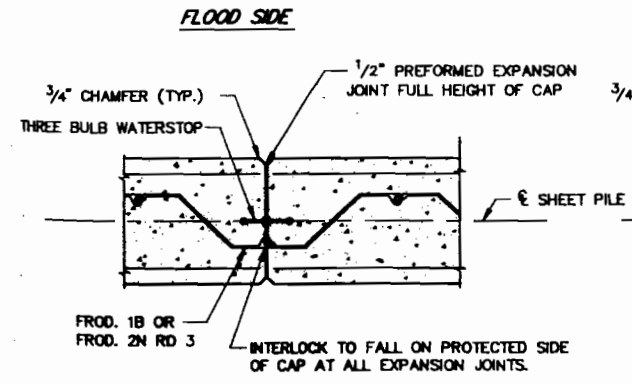
"L" TYPE WATERSTOP
 SCALE: 12" = 1' - 0"



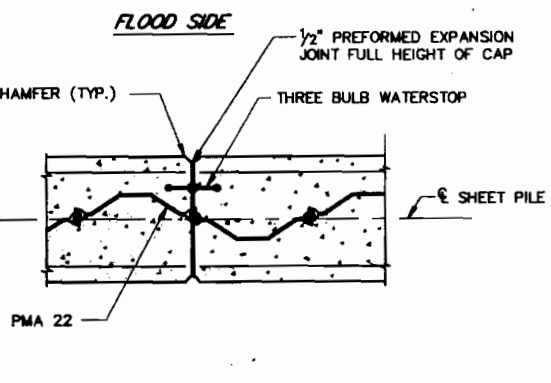
SEAL RETAINING BAR
 SCALE: 12" = 1' - 0"



THREE BULB WATERSTOP
 SCALE: 12" = 1' - 0"



SECTION B-B
 SCALE: 1" = 1' - 0"



SECTION C-C
 SCALE: 1" = 1' - 0"



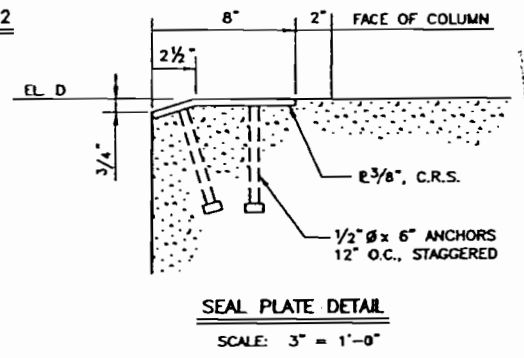
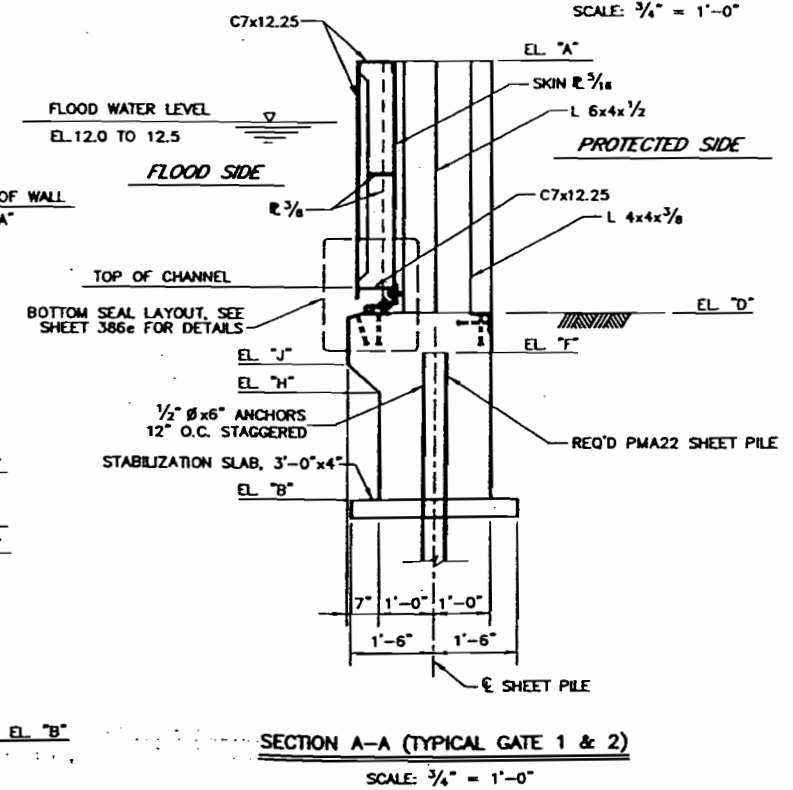
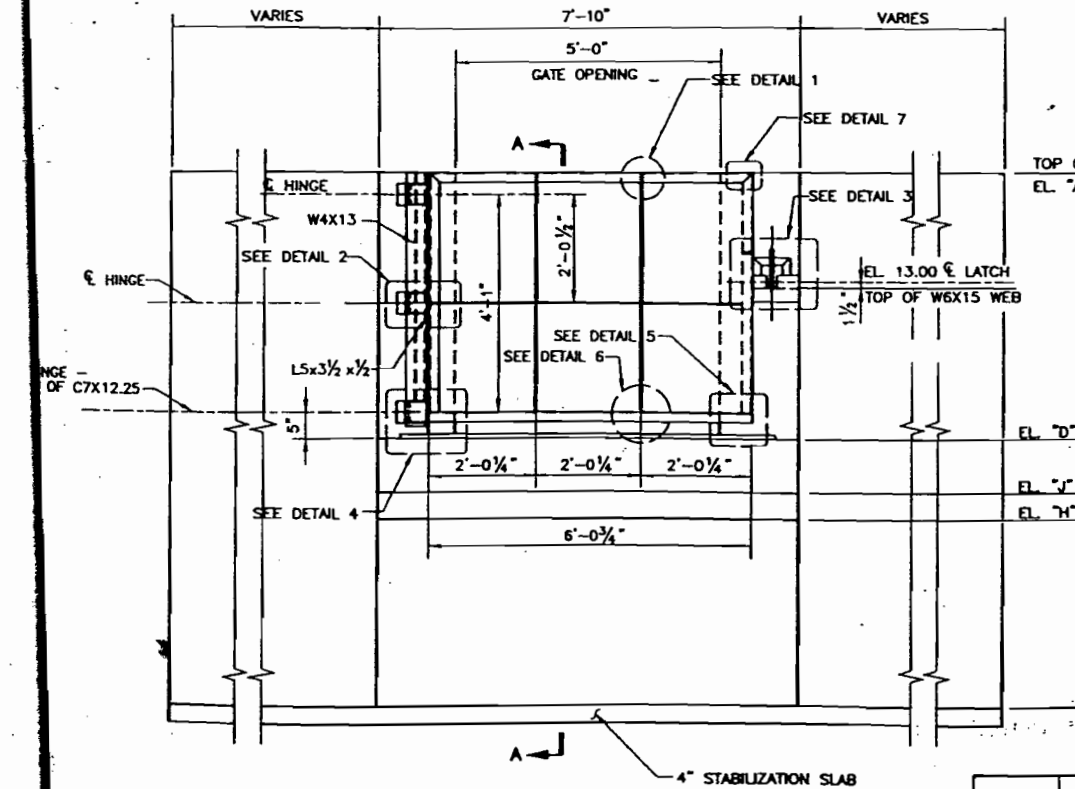
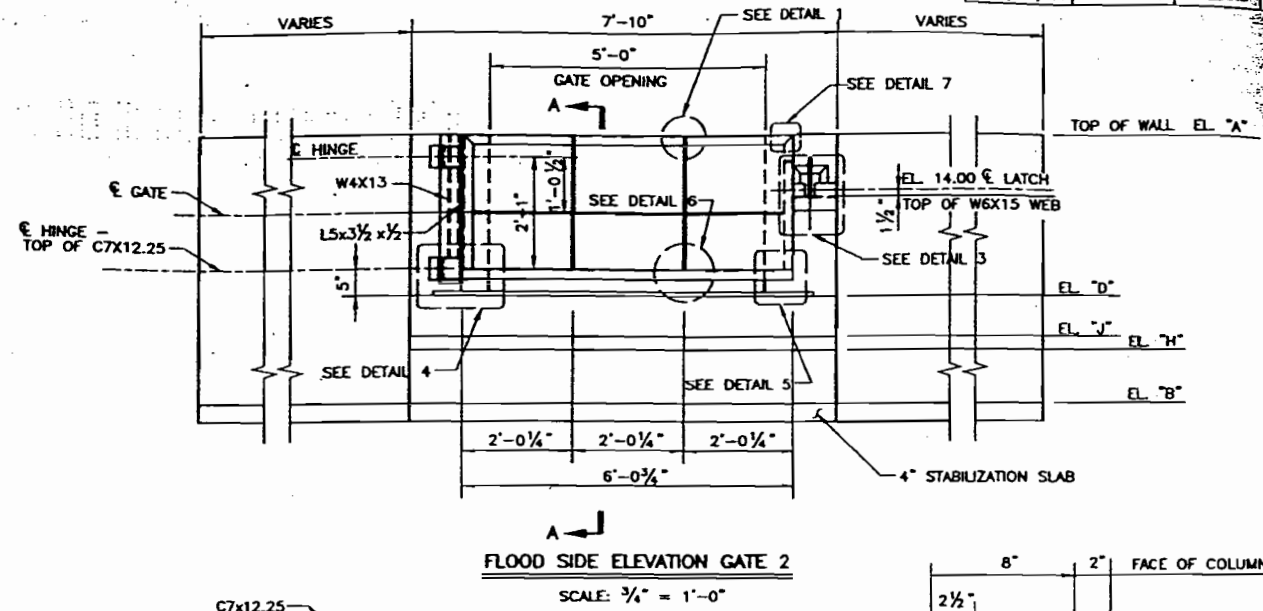
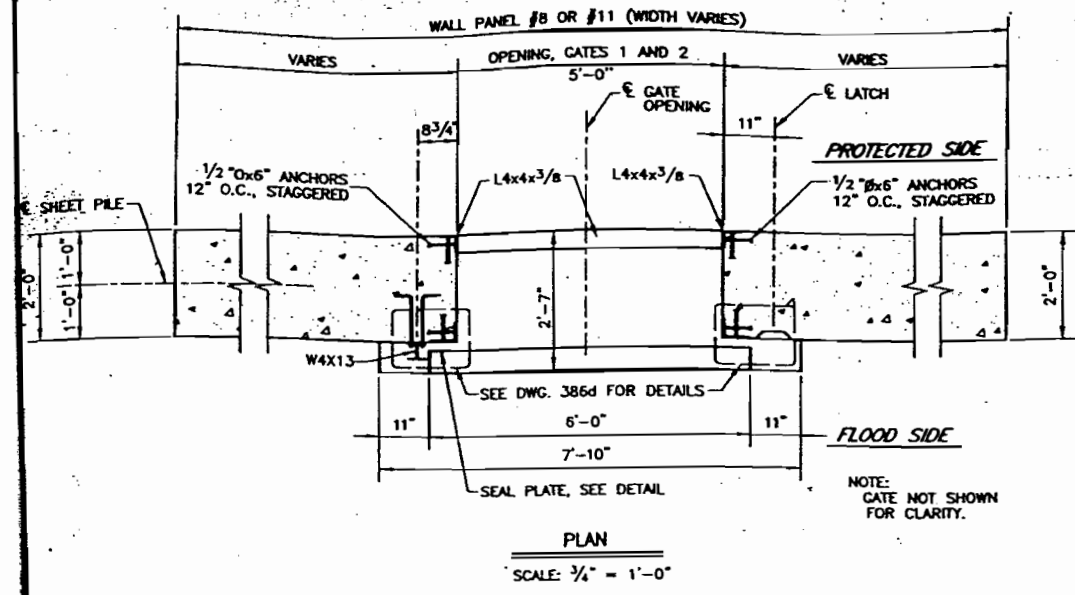
STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17th Street Canal-Southern R/R Underpass

FLOODWALL TRANSITION DETAILS

Burk-Klempeter, Inc.
 Engineers • Architects • Planners • Environmental Scientists
 New Orleans, Louisiana

DATE	DESCRIPTION	BY	DESIGNED: RLOHMAN	DETAILED: GURSH	DATE: JUNE '88
	REVISIONS		CHECKED: G.P. AMET	CHECKED: RLOHMAN	SCALE: AS SHOWN
					SHEET NO. 8 OF 8

FED. AID PROJECT	STATE PROJECT	JEFFERSON	ORLEANS
10-5(327)231	450-15-0092		
10-5(283)233	450-90-0083		



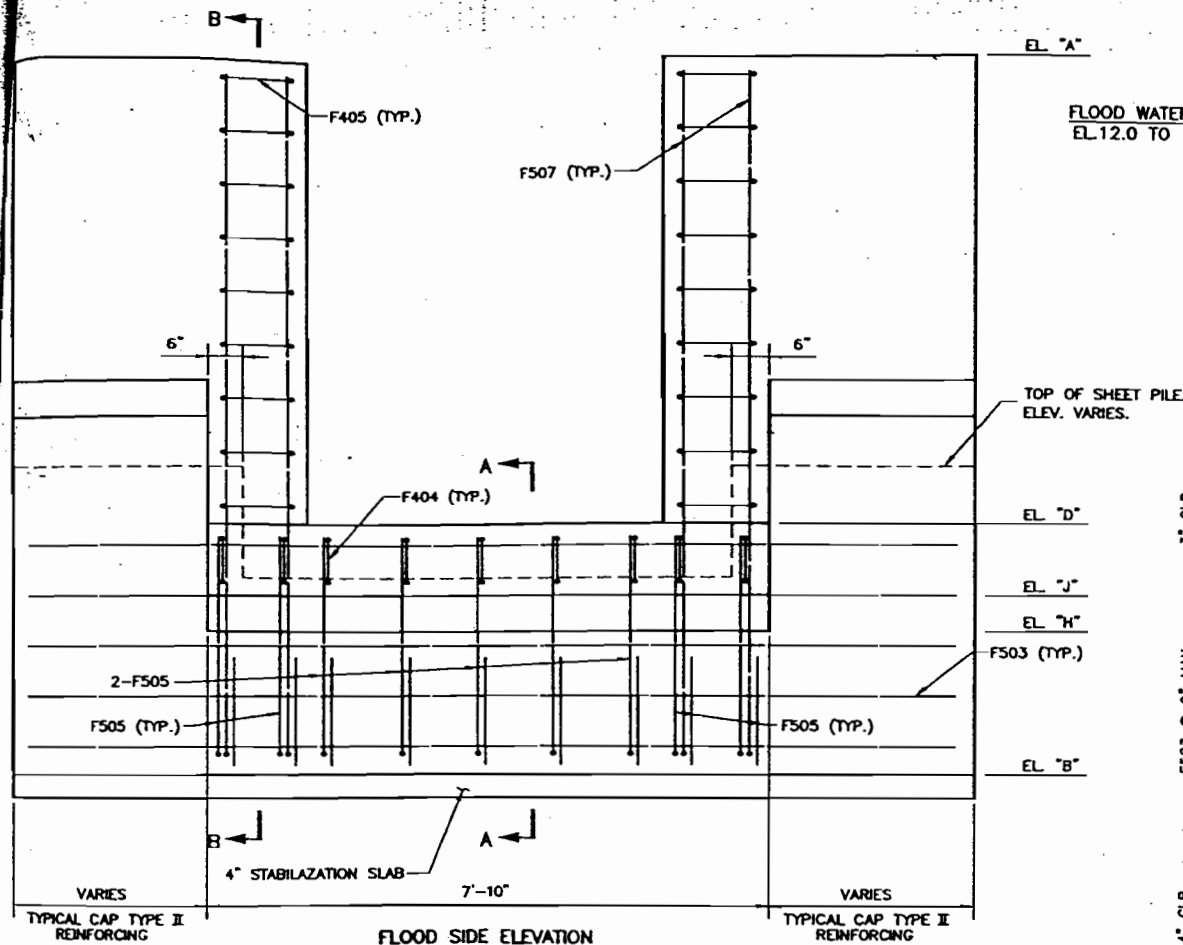
NOTES:
FOR GATE MONOLITH REINFORCING, SEE SHEET 386d. CONTRACTOR MAY PROPOSE USE OF MANUFACTURED GATE, GATE TYPE SUBJECT TO THE APPROVAL BY PROJECT ENGINEER.
THE PAYMENT FOR FLOODWALL GATES, INCLUDING LABOR AND MATERIAL WILL BE MADE UNDER BID ITEM S-110(A), FLOODWALL GATE, PER EACH.
FOR DETAILS 1, 2, 3, 4 & 5 SEE SHEET 386c.
FOR DETAILS 6 & 7 SEE SHEET 386d.

GATES	SCHEDULE OF ELEVATIONS					
	A	B	D	F	H	J
1	14.50	4.50	9.50	8.75	8.00	8.00



Rec'd 4-30-93
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17TH Street Canal - Southern R/R Underpass
I-10 & I-610 OVER 17TH STREET CANAL
FLOODWALL GATE DETAILS-1
Berk-Kleininger, Inc.

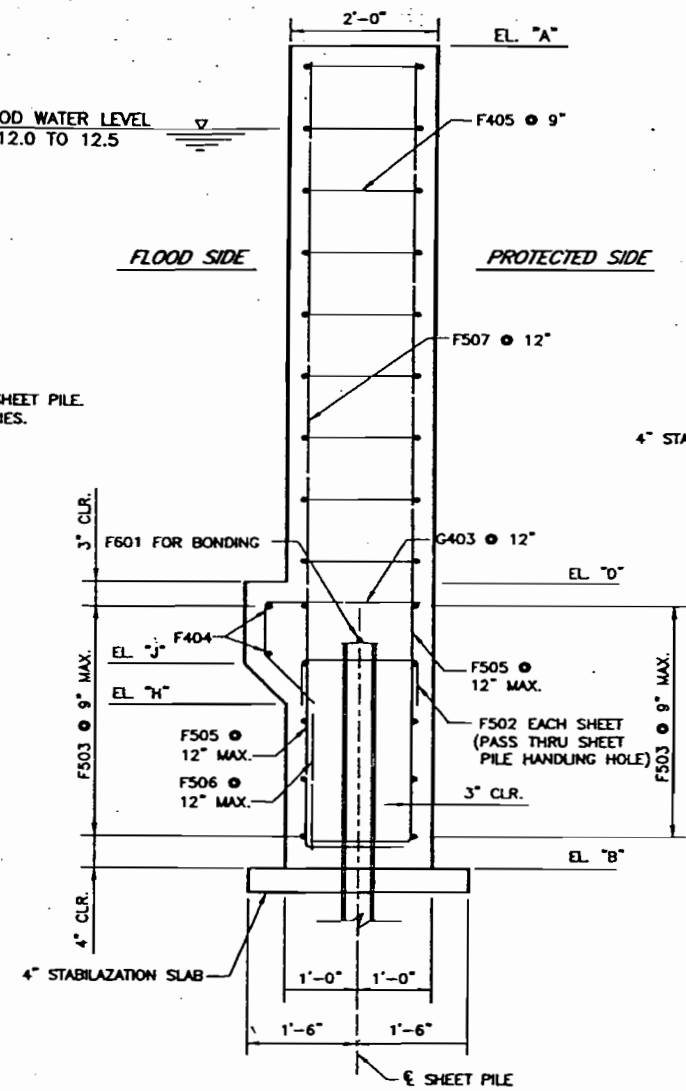
FED. AID PROJECT	STATE PROJECT	PARISH	SHEET #
10-3(327)231	450-15-0092	JEFFERSON	386a
10-3(283)233	450-90-0083	ORLEANS	



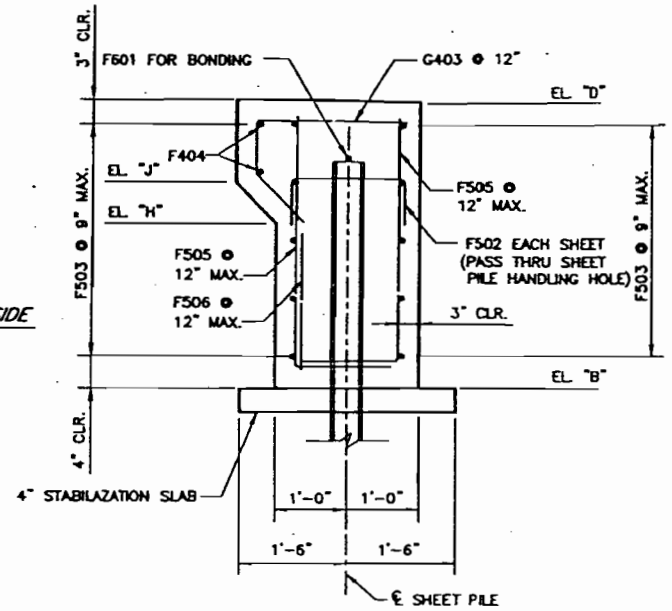
FLOOD SIDE ELEVATION

GATES 1 AND 2
SCALE: 1" = 1'-0"

NOTE:
FOR TYPICAL CAP REINFORCING, SEE DWG. NO. 385.
FOR ELEVATIONS, SEE TABLE ON DWG. NO. 386a.



SECTION B-B
SCALE: 1" = 1'-0"



SECTION A-A
SCALE: 1" = 1'-0"

NOTES:
FOR GENERAL NOTES, SEE SHEET 101.
FOR GATE MONOLITH MASONRY, SEE SHEET 386a.
FOR GATE LATCHING DETAILS, SEE SHEET 386e.

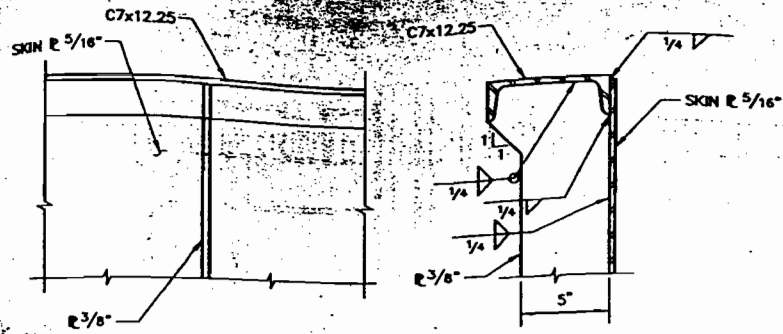


Rec'd 4-30-98
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17TH Street Canal - Southern R/R Underpass
1-10 & 1-610 OVER 17TH STREET CANAL

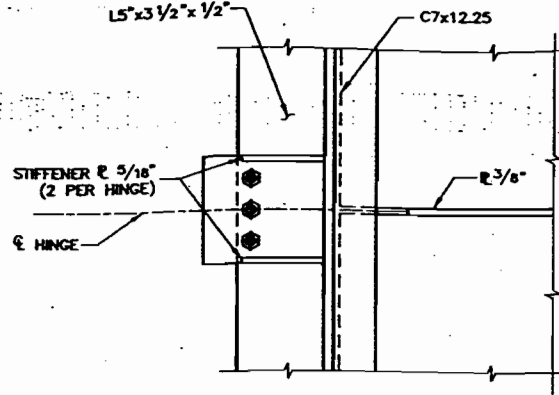
FLOODWALL GATE DETAILS-2

Burk-Klempeter, Inc.
Engineers • Architects • Planners • Environmental Scientists
New Orleans, Louisiana

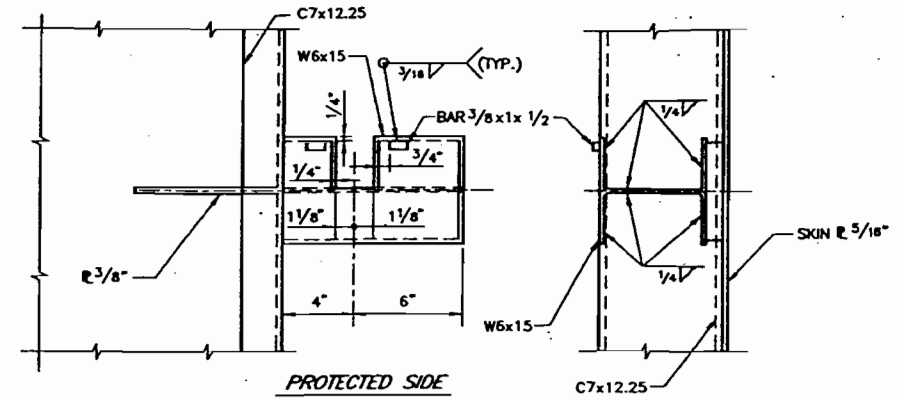
FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	386CA
10-5(283)233	450-90-0083	ORLEANS	



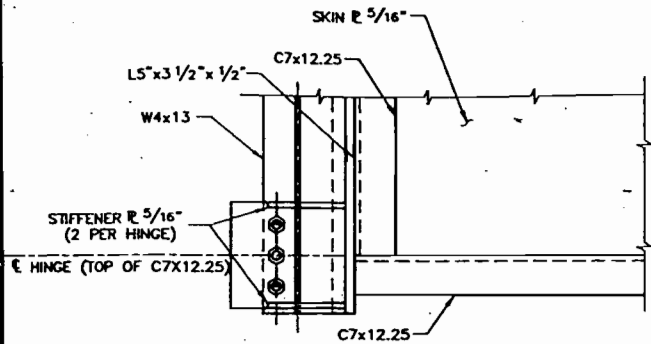
DETAIL 4



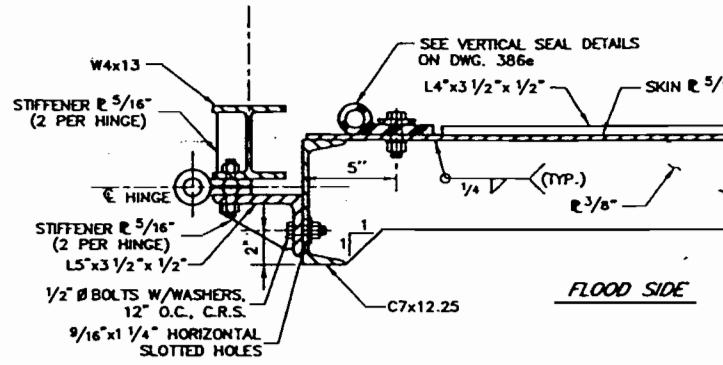
PROTECTED SIDE



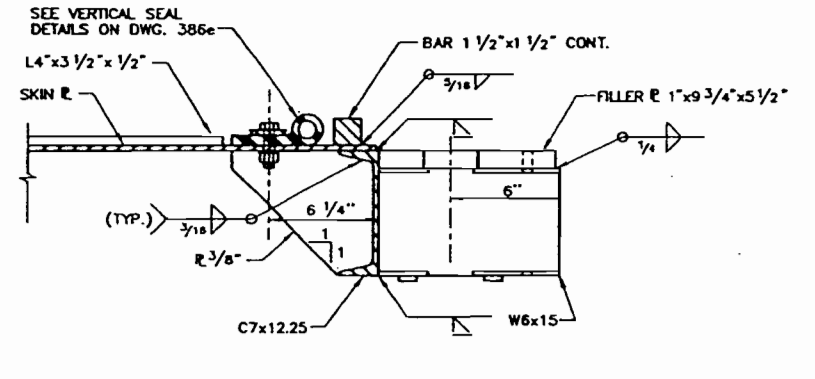
PROTECTED SIDE



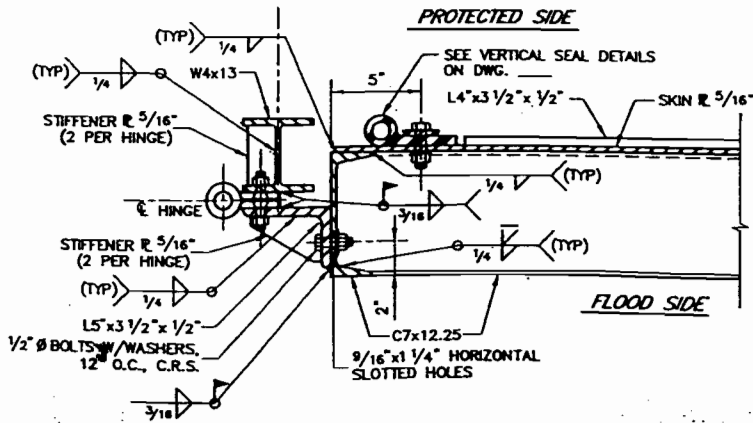
PROTECTED SIDE



FLOOD SIDE

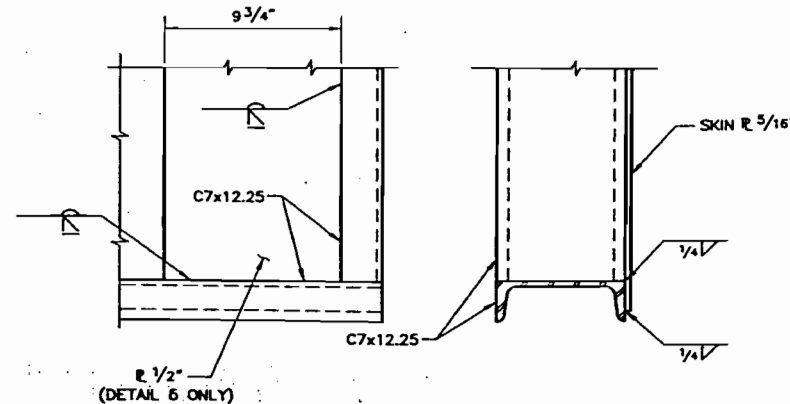


FLOOD SIDE



DETAIL 1

DETAIL 2



DETAIL 5

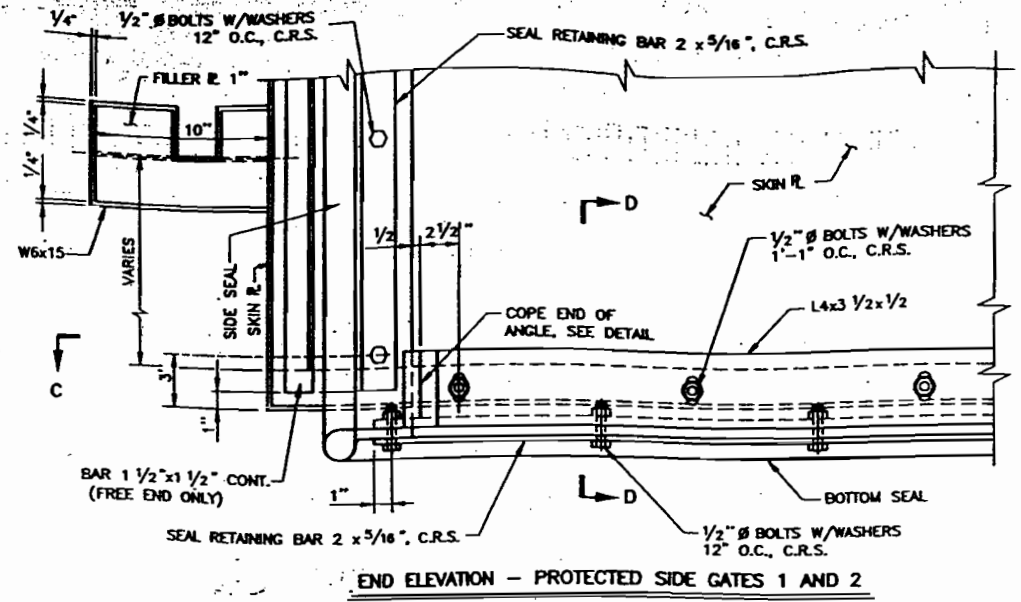
NOTES:
FOR GATE MONOLITH MASONRY DETAILS, SEE SHEET 386c.
FOR SEAL DETAILS, SEE SHEET 386d.



Recd. 4-30-98

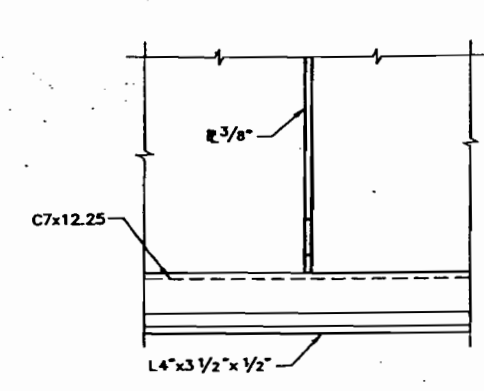
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT INTERSTATE 10 17TH Street Canal - Southern R/R Underpass I-10 & I-610 OVER 17TH STREET CANAL FLOODWALL GATE DETAILS-3 Burr-Kelley, Inc. New Orleans, Louisiana

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0082	JEFFERSON	3066A
10-5(283)233	450-80-0083	ORLEANS	



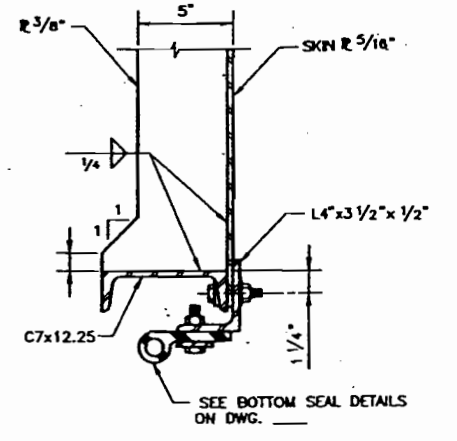
END ELEVATION - PROTECTED SIDE GATES 1 AND 2

SCALE: 3" = 1' - 0"

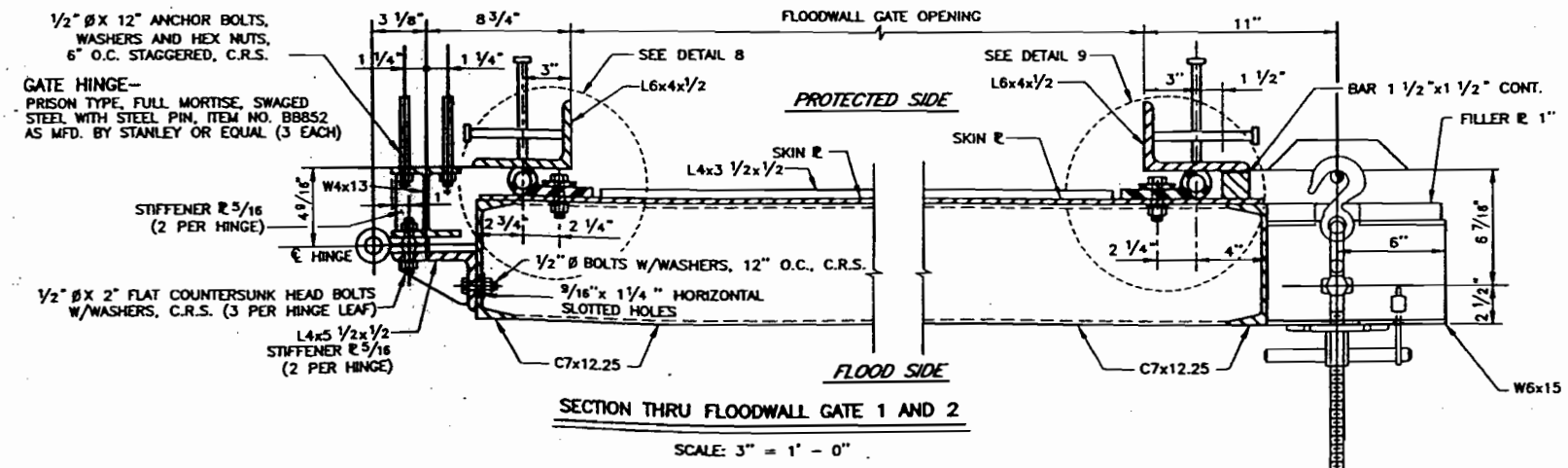


NOTE: SEAL ASSEMBLY SHOWN IN SOME VIEWS FOR ORIENTATION ONLY.

DETAIL 6



DETAIL 7



SECTION THRU FLOODWALL GATE 1 AND 2

SCALE: 3" = 1' - 0"



Rec 4-30-98

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 INTERSTATE 10
 17TH Street Canal - Southern R/R Underpass
 I-10 & I-610 OVER 17TH STREET CANAL

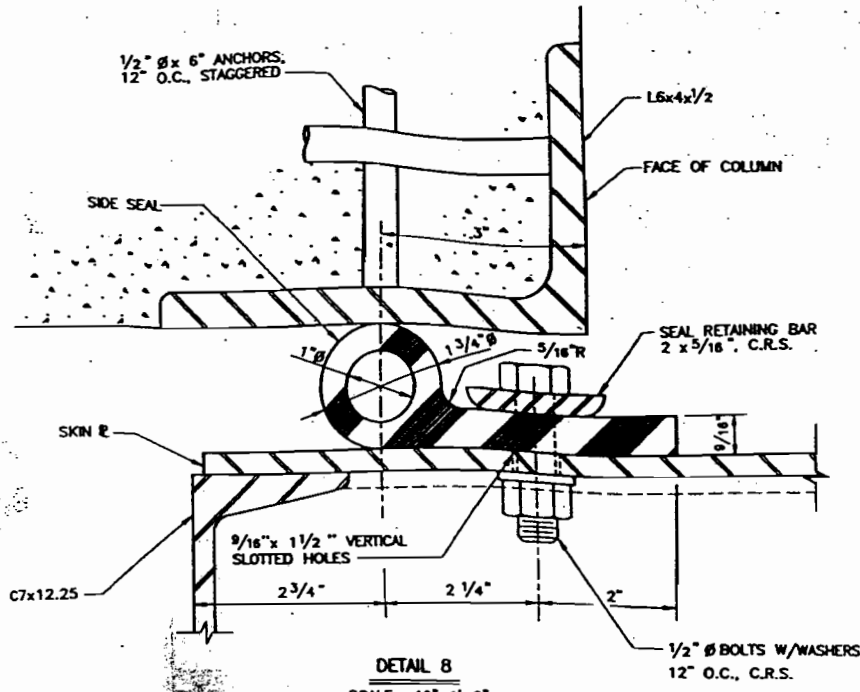
FLOODWALL GATE DETAILS-4

Burk-Klempeter, Inc.
 Engineers & Architects
 1000 Lakeshore Drive
 Metairie, Louisiana 70002

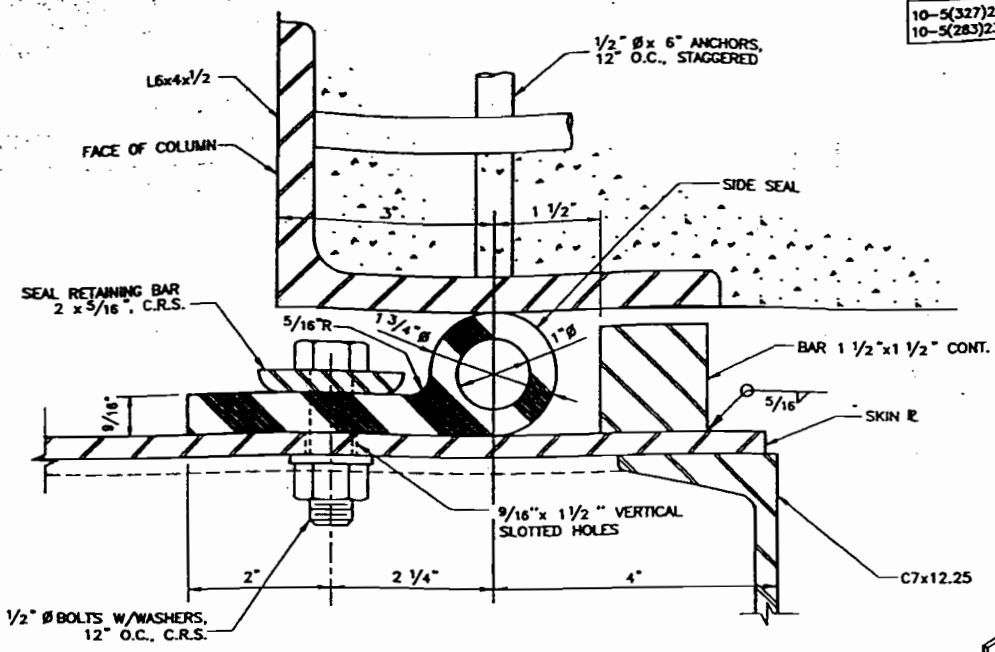
DESIGNED BY	DATE	SCALE
CHECKED BY	CHECKED BY	SCALE

DATE	DESCRIPTION	BY

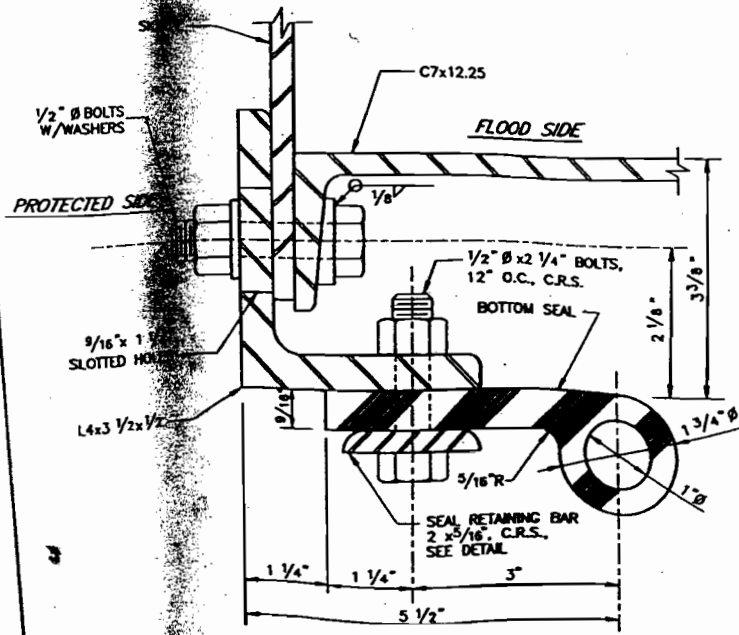
FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)233	450-15-0092	JEFFERSON	5306a
10-5(283)233	450-90-0083	ORLEANS	



DETAIL 8
SCALE: 12"=1'-0"

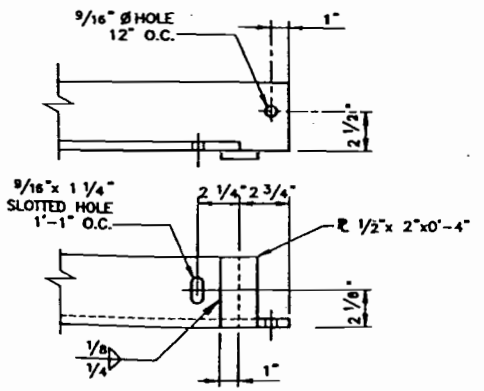


DETAIL 9
SCALE: 12"=1'-0"

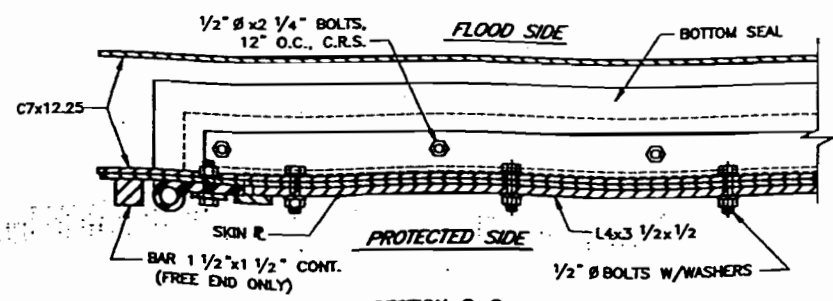


SECTION D-D
SCALE: 12"=1'-0"

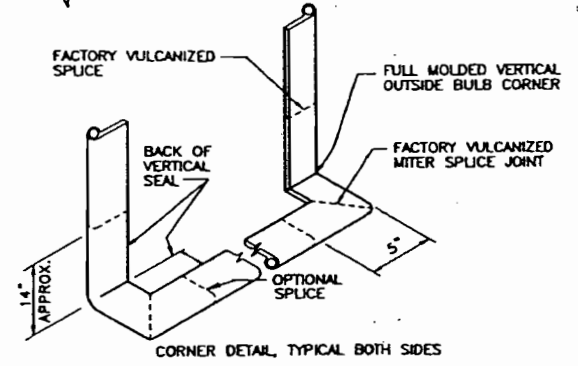
NOTE: SEAL SET FOR 1/8" DEFLECTION.



END OF L 4x3 1/2 x 1/2
SCALE: 3"=1'-0"



SECTION C-C
SCALE: 3"=1'-0"



DETAIL 2
NOT TO SCALE

NOTES:
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.
SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.
AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.



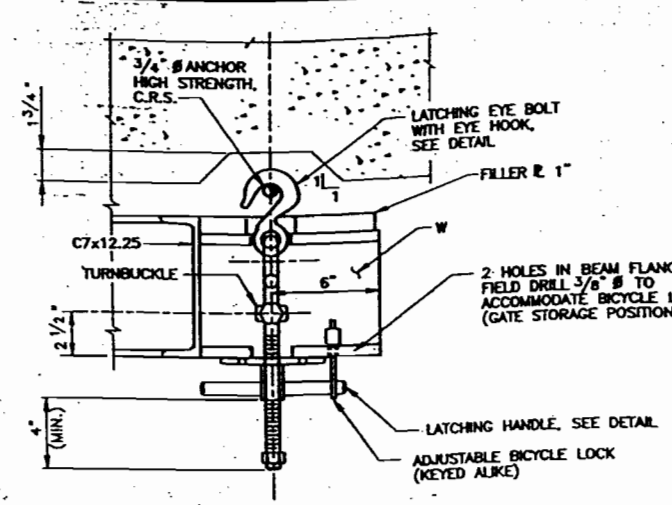
Recd 4-30-58

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17TH Street Canal - Southern R/R Underpass
I-10 & I-610 OVER 17TH STREET CANAL

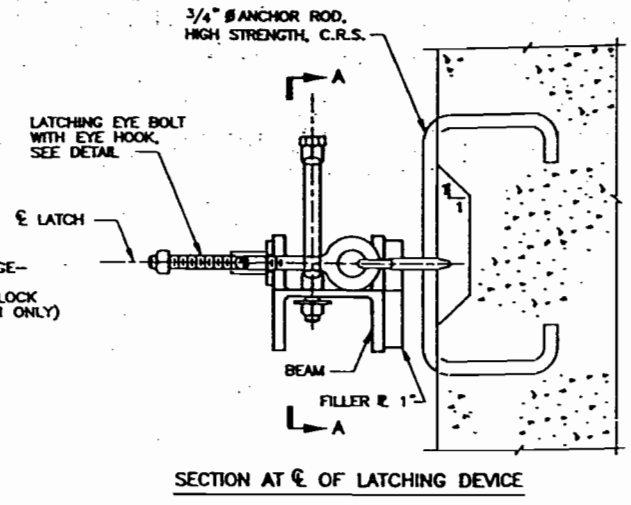
FLOODWALL GATE DETAILS-5

Burk-Klempner, Inc.
Engineers - Architects - Planners - Environmental Scientists
New Orleans, Louisiana

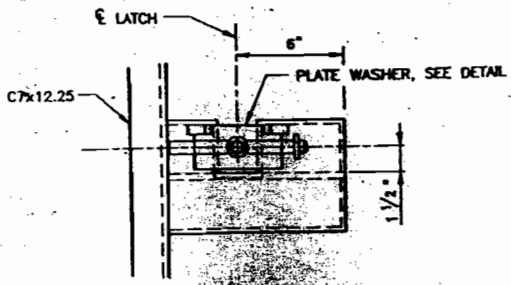
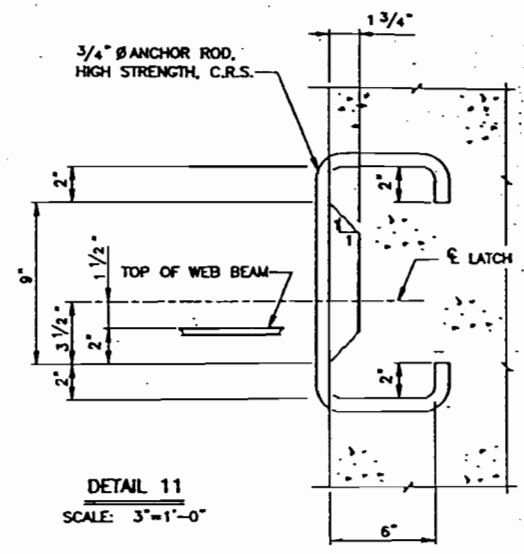
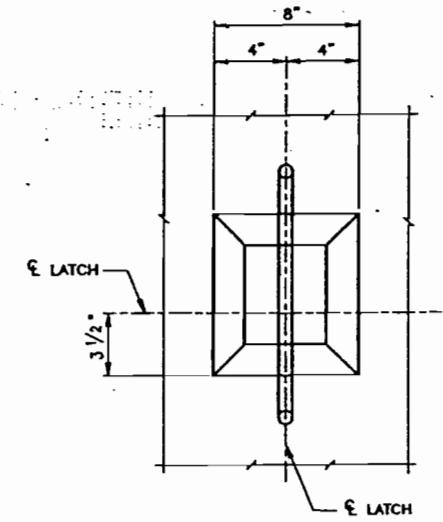
FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	3866A
10-5(283)233	450-90-0083	ORLEANS	



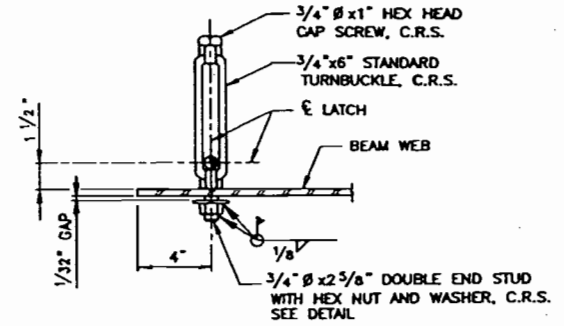
PLAN



SECTION AT ϵ OF LATCHING DEVICE



LATCHING DEVICE DETAIL 10
SCALE: 3"=1'-0"



SECTION A-A

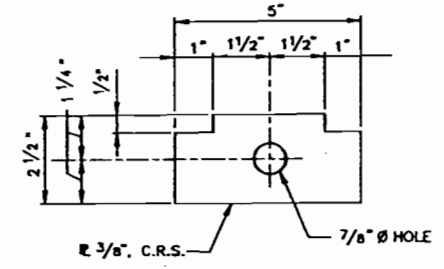
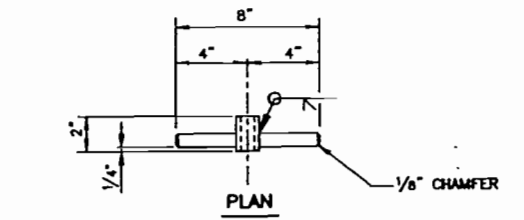
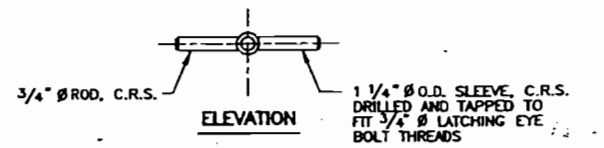


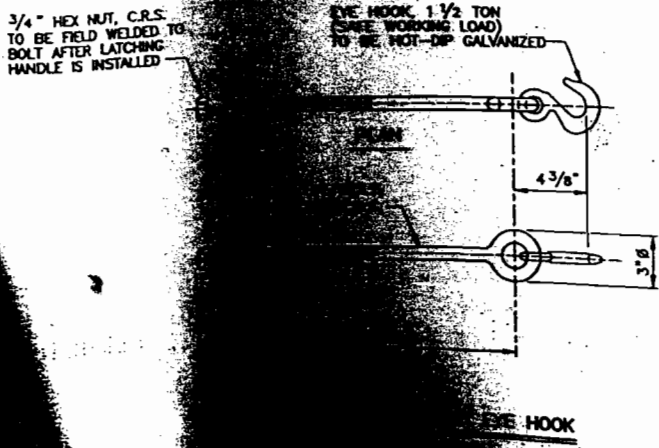
PLATE WASHER
SCALE: 6"=1'-0"



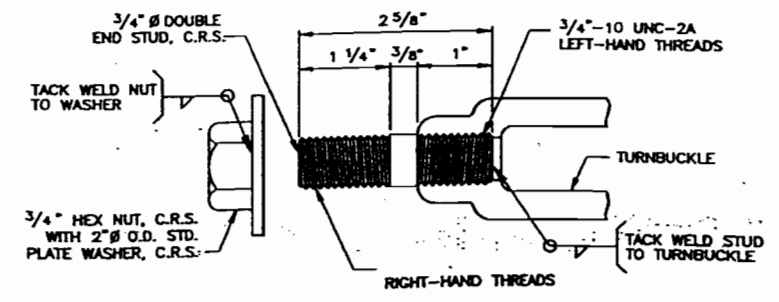
PLAN



LATCHING HANDLE
SCALE: 3"=1'-0"



EYE HOOK



DOUBLE END STUD
SCALE: 12"=1'-0"



NOTES:
FOR TYPICAL WALL SECTIONS, SEE DWG. 379a & 385.
FOR GATE MONOLITH MASONRY DETAILS, SEE DWG. 386a.

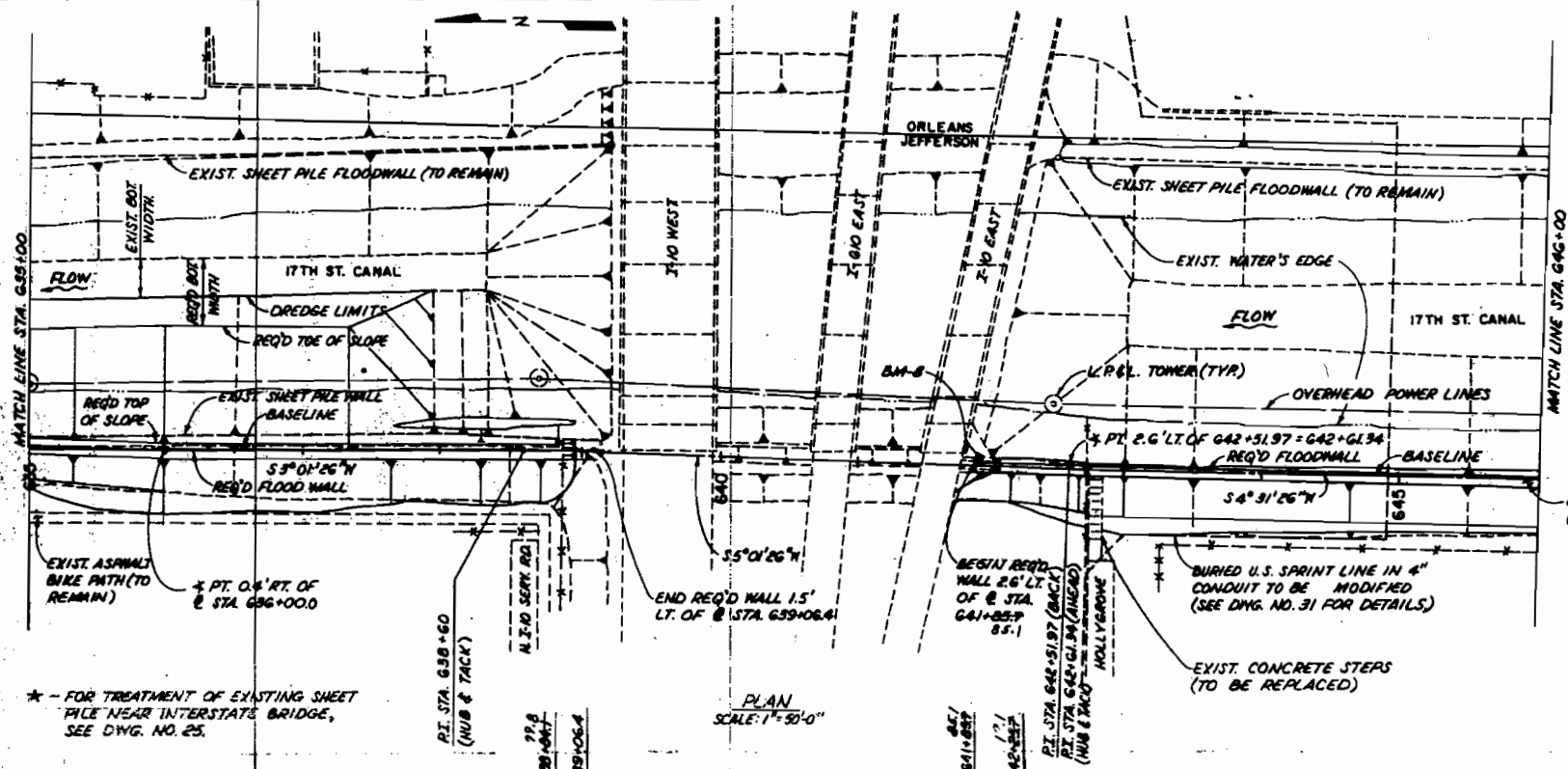
Rev. 4-30-98

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17TH Street Canal - Southern R/R Underpass
1-10 & 1-610 OVER 17TH STREET CANAL
FLOODWALL GATE DETAILS-6
Berk-Kleinmeyer, Inc.
DESIGNED: G. JAMES
DRAWN: C. JAMES
DATE: FEB. 98

FED. AID PROJECT	STATE PROJECT	PARISH	SHEET NO.
10-5(327)231	450-15-0092	JEFFERSON	387

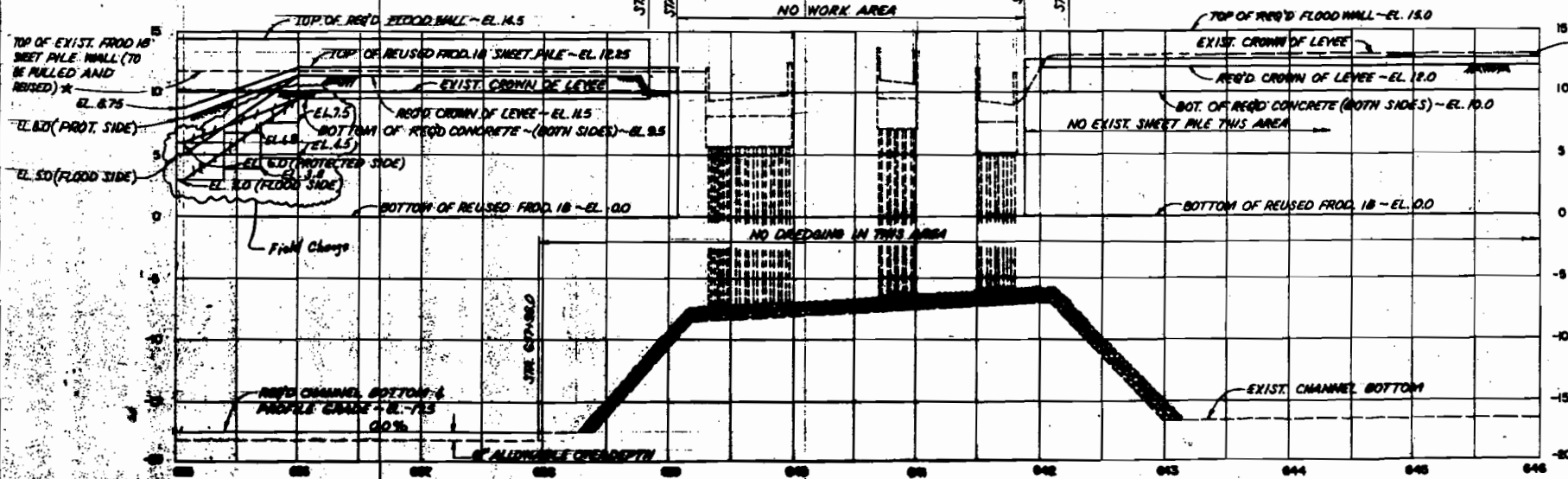
STATIONS	JEFFERSON SIDE			
	DIST. FROM BASELINE (FT.)	ELEVATION		
	TOP OF SLOPE	TOE OF SLOPE	& SHEET PILE	TOP OF SHEET PILE
635+06.1	16.1' LT.	88.6' LT.	2.1' LT.	8.75
636+006*	2.0' LT.	88.6' LT.	0.4' RT.	12.25
637+30.0	2.0' LT.	88.6' LT.	0.4' RT.	12.25
638+26.0	2.0' LT.	15.0' LT.	0.4' RT.	12.25
INTERSTATE BRIDGES				
643+00.0		2.6' LT.		12.75
645+00.0		2.6' LT.		12.75

* SHEET PILE ANGLE PT. FOR LEVEE TRANSITION BETWEEN STA. 635+06.1 AND 636+006. SEE DWG. NO. 20.



* - FOR TREATMENT OF EXISTING SHEET PILE NEAR INTERSTATE BRIDGE, SEE DWG. NO. 25.

PLAN SCALE: 1"=50'-0"



NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 3.
 FOR CROSS SECTIONS OF THIS CANAL REACH SEE DWG. NOS. 387 THRU 392.
 REUSED FLOOD WALL SHEET PILE IN THE REACH SOUTH OF INTERSTATE-10 ACQUIRED FROM EXIST. SHEET PILE PULLED BETWEEN STA. 553+30 AND STA. 559+00.

AS-BUILT FOR INFORMATION ONLY

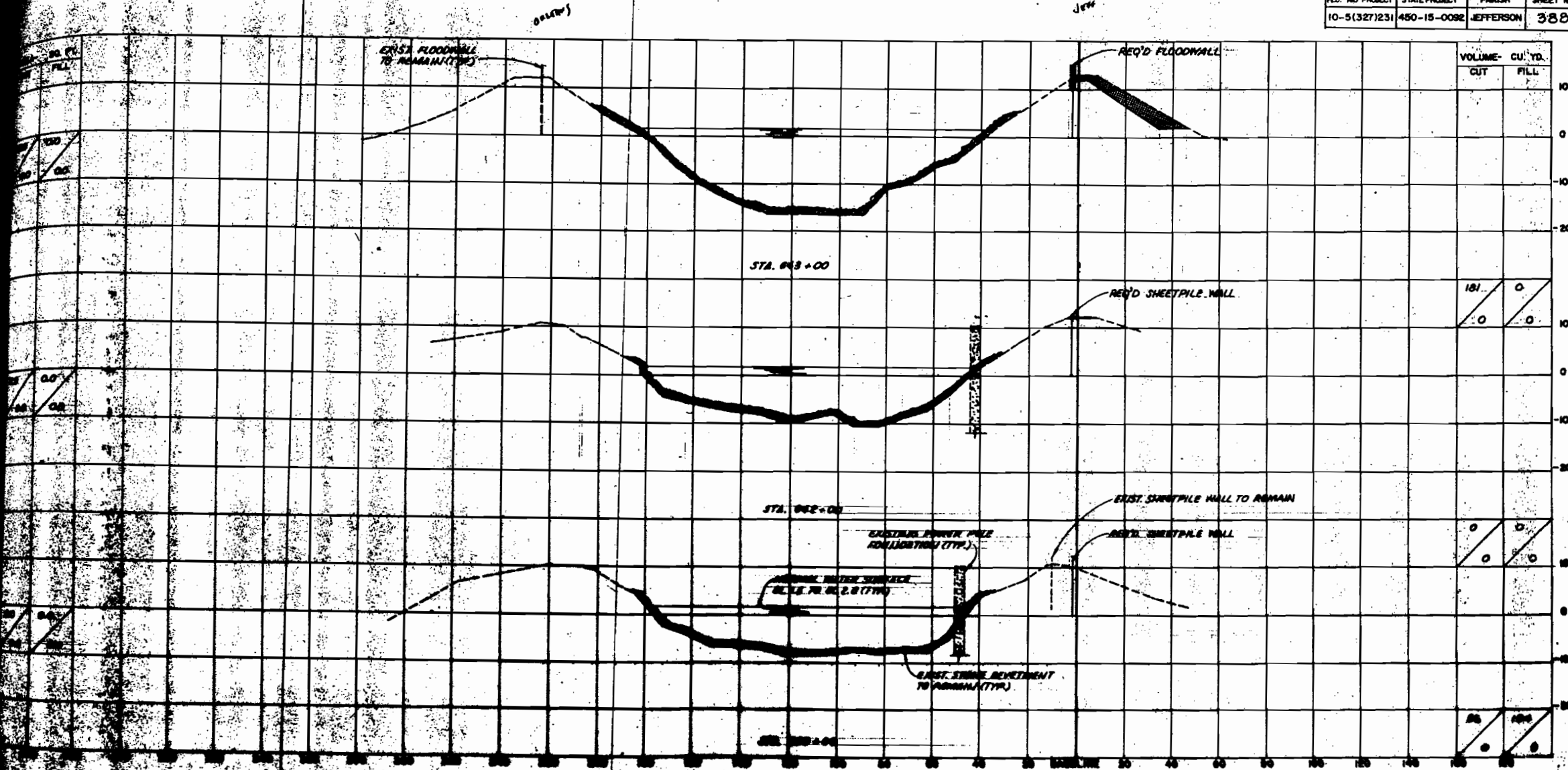
The Board of Water Commissioners
 of the
 East Jefferson Water District

17TH STREET CANAL

PLAN AND PROFILE - 10

Drawn by	Checked by	Scale	Date
MS	MS	AS SHOWN	12/17/02

PROFILE SCALE: 1"=5' VERT. 1"=5'



VOLUME- CU. YD.	
CUT	FILL
181	0
0	0
26	104
0	0

AS-BUILT FOR INFORMATION ONLY

NOTE:
ALL ELEVATIONS REFER TO N.A.S.D.
SECTIONS ARE SHOWN LOOKING UPSTATION.

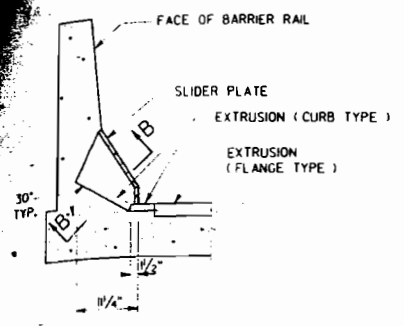
The Board of Water Commissioners
of the
East Jefferson Water District
17TH STREET CANAL
CROSS SECTIONS - 22

DATE	BY	CHECKED	APPROVED
11/10/10	ALC		

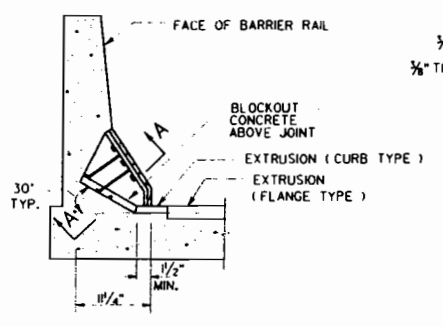
NO.	DATE	BY	REVISION
1			
2			
3			
4			

BENT NO.	TOTAL JT. MOVEMENT	LIN. FT.**	"D"

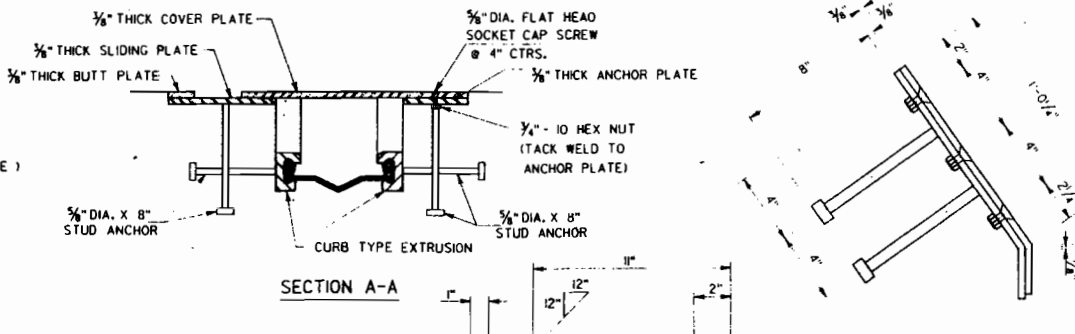
⊗ THE "D" DIMENSION IS GIVEN FOR THE AVERAGE TEMPERATURE (68°) AND AT 100° THE MINIMUM OPENING IS TO BE 1"



BARRIER SECTION
LDW SIDE ONLY

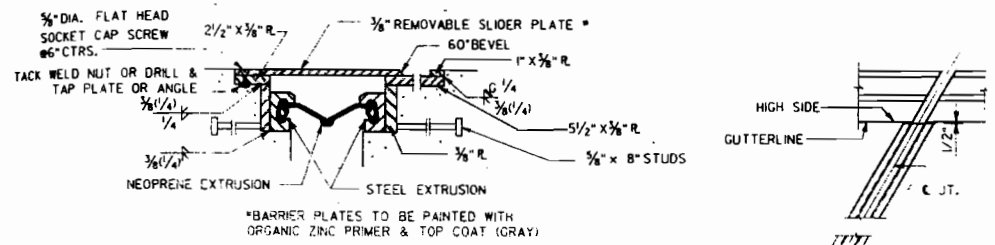


ALTERNATE DETAIL FOR PLACEMENT OF COVER PLATE

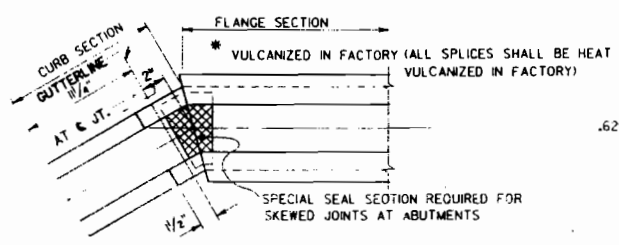


SECTION A-A

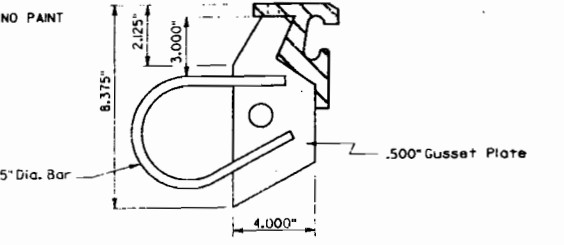
SIDE VIEW



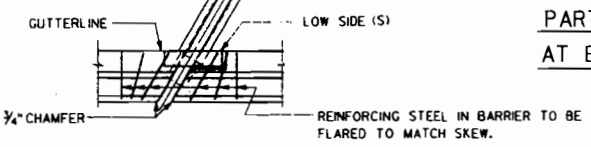
SECTION B-B
(CURB SECTION)



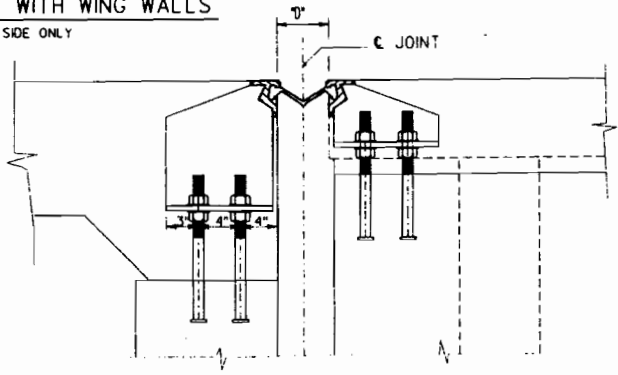
PART PLAN VIEW OF STRIP SEAL AT END BENTS WITH WING WALLS
LOW SIDE ONLY



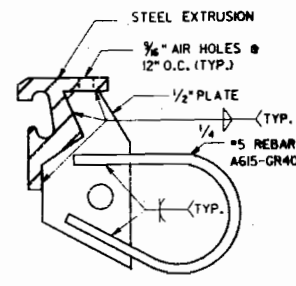
OPTIONAL HEAVY DUTY ANCHOR SYSTEM



PART PLAN VIEW OF STRIP SEAL JOINT AT INTERIOR JOINT

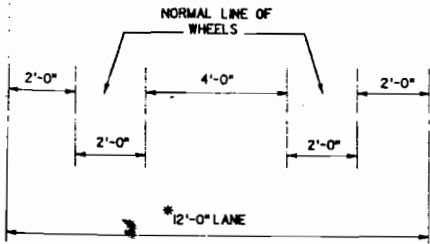


PART SECTION SHOWING ANCHORAGE SYSTEM AND END DAM CONNECTION
(TYPICAL SECTION AT CONNECTION BENT)

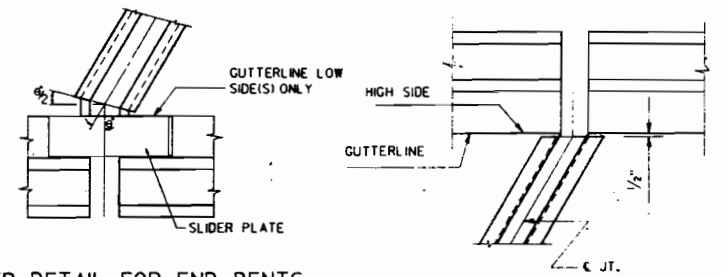


SECTION (TYPICAL BETWEEN GIRDERS)

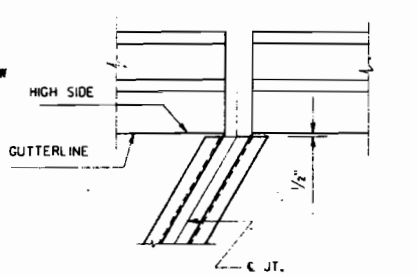
SPLICE LOCATIONS SHALL BE LOCATED SO AS NOT TO FALL IN THE "NORMAL LINE OF WHEELS" EXCEPT FOR CURB SECTIONS, ALL EXTRUSIONS SHALL BE A MINIMUM OF 15 FT. BETWEEN SPLICES EXCEPT WHEN NOTED OTHERWISE ON THE SPAN SHEET.



SPLICE LOCATIONS



GUTTER DETAIL FOR END BENTS WITH WINGWALLS
LOW SIDE ONLY



GUTTER DETAIL FOR END JOINTS
HIGH SIDE ONLY

DIMENSIONS SHOWN ARE NORMAL TO ROADWAY. WHEN JOINT IS PLACED ON SKEW THE DIMENSIONS SHOWN WILL VARY TO MEET THE SKEW DIMENSIONS ALONG THE C OF THE JOINT.

5/22/93 ADDED ITEM 805 (D) @ BENDING ANGLE ON STUDS. TWA
 9/13/94 ADDED NOTE TO TYP. CONN. GIRDER & STUD(CLR.) NPK
 5/5/94 PAYMENT ITEM CHANGED ON NOTE # 14 NPK
 3/1/94 SPACER & CONN. STUD AT WELDED SPLICES NPK
 11/09/93 ANCHOR BOLTS LOCATION AT END DAM NPK
 5/20/93 SLOTTED HOLES SHALL BE FIELD CUT. NPK

DATE DESCRIPTION BY

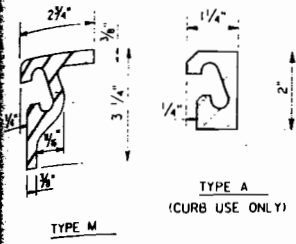
DATED MAY, 1993

DESIGNED	KNAPP	DATE	11/09/93
CHECKED	D. MILLER	CHECKED	KNAPP

STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 PROJECT: LA-10-5 (REVISED) 450-15-0092
 SHEET NO. 384
 DRAWN BY: stripseo.djn

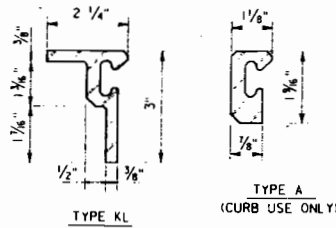
WATSON-BOWMAN /ACME

ROLLED STEEL SHAPE *



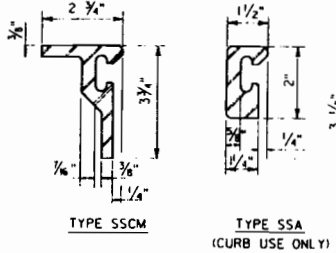
ONFLEX

STEEL EXTRUSIONS



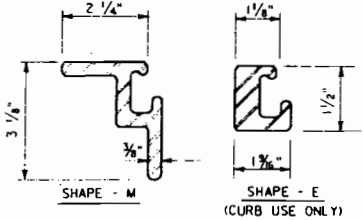
D.S.BROWN

ROLLED STEEL SHAPE *



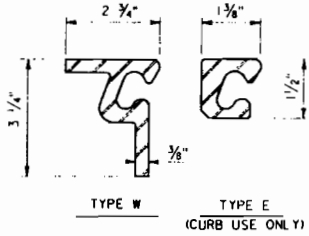
ESCO

STEEL EXTRUSIONS



E-POXY INC.

STEEL EXTRUSIONS



F.A.P.	STATE PROJECT	PARISH	SHEET NO.
MM-10-STRIPES/	620-15-0001	JEFFERSON	390
MM-10-STRIPES/	620-15-0002	ORLEANS	
MM-10-STRIPES/	620-15-0003	ORLEANS	

NOTES:

- THE FOLLOWING MATERIALS ARE TO BE PAID FOR IN THE BID PRICE PER LINEAR FOOT OF STRIP SEAL.
 - A. NEOPRENE EXTRUSION
 - B. STEEL EXTRUSIONS
 - C. 5/8" DIAMETER STUDS
 - D. ALL STEEL PLATES REQUIRED FOR BARRIER SECTION
 - E. CAP SCREWS AND NUTS, TEMPORARY STEEL SPACER BLOCKS AND POLYURETHANE FILLER ROD
 - F. 6"x6"x3/8"x6" CONNECTION PLATES.
 - G. HEAVY DUTY ANCHOR STRAPE & REBAR
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 OR A-588
- THE MANUFACTURER'S RECOMMENDED CONSTRUCTION METHODS SHALL BE FOLLOWED. A FACTORY REPRESENTATIVE IS TO BE PRESENT DURING THE INSTALLATION OF THE JOINT.
- SHOP DETAILS OF JOINTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
- STEEL EXTRUSIONS SHALL BE SHIPPED IN PAIRS.
- POLYURETHANE FILLER ROD WILL BE PLACED IN THE STEEL EXTRUSION'S CAVITY PRIOR TO SHIPMENT. THIS ROD WILL BE REMOVED ONLY WHEN THE NEOPRENE EXTRUSION IS TO BE INSTALLED IN PLACE.
- ALL WELDS SHALL CONFORM TO AWS D1.5-88 BRIDGE STRUCTURAL WELDING CODE AND D 1.4-92 REINFORCING STEEL WELDING CODE.
- WELDED SPLICES OF STEEL EXTRUSIONS SHALL BE SHOP SPLICES AND EACH PORTION OF THE EXTRUSION SHALL BE NOT LESS THAN 15 FEET IN LENGTH EXCEPT THAT ONE SECTION, NOT LESS THAN 4 FEET IN LENGTH WILL BE ALLOWED IN THE SHOULDER AREA IF REQUIRED TO MATCH THE ROADWAY CROSS SECTION. ALL SPLICES SHALL BE MADE SO AS TO OCCUR OUTSIDE THE WHEEL PATHS. (SEE DETAIL ON SHEET 2 OF 2.) IF A SECTION LESS THAN 15 FEET IS USED, THE CONNECTION STUDS WILL BE SPACED AT 9 INCH ALTERNATE CENTERS. ALL SPLICE LOCATIONS WILL BE SHOWN ON THE SHOP DRAWINGS. DRAWINGS WILL NOT BE APPROVED UNLESS THE LOCATIONS ARE DESIGNATED ON THE DRAWINGS. THE LOCATIONS MAY BE DESIGNATED WITH A +/- 6 INCH TOLERANCE. WELDED SPLICES ARE ALSO REQUIRED WHERE TWO DIFFERENT STEEL SHAPES ARE JOINED AT THE CURB AREA AND WHERE THE CURB UNITS ARE TURNED UP.
- WELDED SPLICES WILL BE BUTT SPLICES AND CARE SHALL BE TAKEN NOT TO ALLOW WELD METAL TO INVADGE THE GLAND CAVITY. WELD METAL IN THE CAVITY WILL BE CAUSE FOR REJECTION. CONNECTION STUDS WILL BE LOCATED 3 INCHES EITHER SIDE OF WELDED SPLICES.
- NEOPRENE EXTRUSIONS HAVE TO BE MANUFACTURED AS A CONTINUOUS PIECE WITH ONLY ONE (1) SHOP SPLICE PER JOINT ALLOWED WHEN LENGTH EXCEEDS 50 FEET. THE NEOPRENE STRIP SEAL SHALL BE AN EXTRUDED NEOPRENE MATERIAL CONFORM TO ASTM DESIGNATION: D2528 MODIFIED TO OMIT RECOVERY TEST AND TO REVISION REQUIRED DUROMETER - TYPE A HARDNESS TO 55 - 57+10 AS DETERMINED BY ASTM D2240.
- SEAL SHALL BE BONDED TO STEEL WITH A PRE-MIXED LUBRICATING ADHESIVE SOLUTION WHICH SHALL BE USED TO FACILITATE THE SEAL INSTALLATION. THIS LUBRICANT ADHESIVE SHALL BE SELECTED FROM THE LA DOT QUALIFIED PRODUCTS LIST, AS MAINTAINED BY THE DEPARTMENT'S MATERIALS SECTION. THE LUBRICANT SHOULD FLOW FREELY AND EVENLY COAT THE SEAL AND STEEL JOINT FACE. THE LUBRICANT SHOULD COMPLETELY COAT THE SEAL AND STEEL EXTRUSION CAVITY WHICH REMAIN IN CONTACT.
- ALL METAL SURFACES NOT EMBEDDED IN CONCRETE SHALL BE SHOP PAINTED WITH TWO COATS OF ORGANIC ZINC PRIMER (NO TOP COAT). CARE SHALL BE TAKEN THAT A PAINT BUILD-UP DOES NOT OCCUR IN THE BOTTOM OF THE STEEL EXTRUSION CAVITY.
- JOINTS UP TO FIFTY FOUR (54) FEET IN LENGTH SHALL BE DELIVERED TO THE SITE IN ONE PIECE. JOINTS OVER FIFTY FOUR (54) FEET IN LENGTH MAY HAVE PROVISIONS FOR A FIELD SPLICE IN THE STEEL EXTRUSIONS PROVIDING THE SPLICE IS PERFORMED IN SHOP LIKE CONDITIONS IN THE PRESENCE OF A STATE INSPECTOR AND MEET THE REQUIREMENTS OF NOTE 8 ABOVE. ALL OTHER WELDED SPLICES OF STEEL EXTRUSIONS SHALL BE SHOP SPLICES.
- ALL LABOR, MATERIALS, EQUIPMENT, MANUFACTURER SUPERVISION AND INCIDENTALS PERTAINING TO THE INSTALLATION OF THE JOINT SHALL BE PAID FOR UNDER ITEM 805 (I).
- PAY LENGTH FOR JOINT IS MEASURED GUTTER TO GUTTER ALONG CENTERLINE OF JOINT.
- ALL STUDS SHALL BE BENT PRIOR TO WELDING TO THE JOINT



STRIP SEAL JOINT DETAILS (4)

DATE: MAY, 1993	TWA	STATE OF LOUISIANA
DESIGNED: KNAPP	NPK	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
CHECKED: D. MILLER	NPK	DESIGNED: ALNNAFOR
	NPK	ON: STC/DOT
	NPK	CHECKED: KNAPP
		FILE: STRIP000.dgn

NEOPRENE EXTRUSIONS



TYPE SE 400

NEOPRENE EXTRUSIONS



TYPE 40 SS

NEOPRENE EXTRUSIONS



1.2" SEAL

NEOPRENE EXTRUSIONS



TYPE ES 400

NEOPRENE EXTRUSIONS

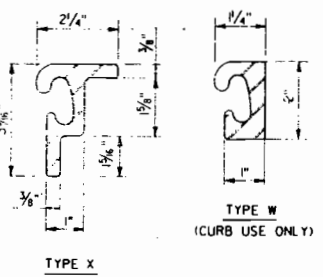


TYPE S 400

* REFERRED TO AS EXTRUSIONS IN THE NOTES.

LENCO

STEEL EXTRUSIONS

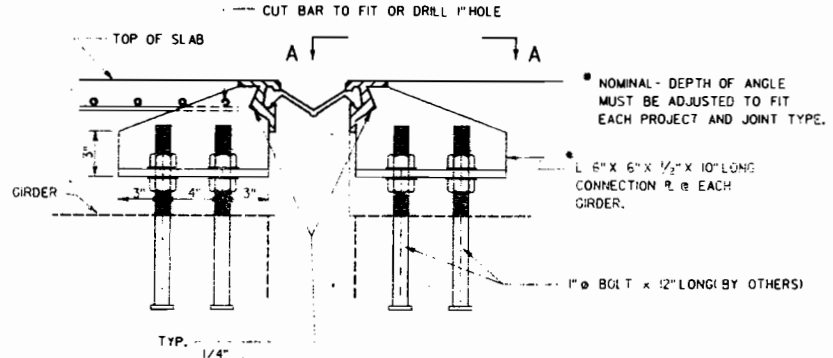


TYPE W (CURB USE ONLY)

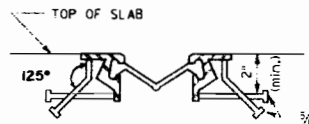
NEOPRENE EXTRUSIONS



TYPE L 400



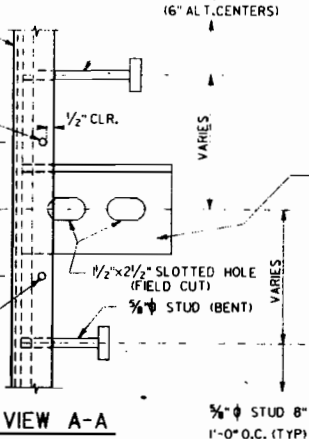
SECTION



SECTION



SECTION



VIEW A-A

SUPPORT DETAIL

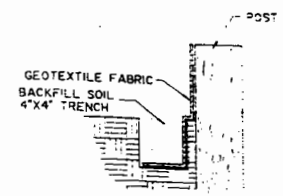
(TO BE USED WITH A CONCRETE GIRDER OR STEEL GIRDER WITH A WELDED STUD)

DATE	DESCRIPTION
5/22/93	ADDED ITEM #05 (W/B BENDING ANGLE ON STUDS, ADDED NOTE TO TYP. CONN. GIRDER & STUD CLR.)
9/13/94	PAYMENT ITEM CHANGED ON NOTE # 14
5/5/94	SPACER & CONN. STUD AT WELDED SPLICES
3/1/94	ANCHOR BOLTS LOCATION AT END DAM
11/09/93	SLOTTED HOLES SHALL BE FIELD CUT
5/20/93	

INSTALLATION:

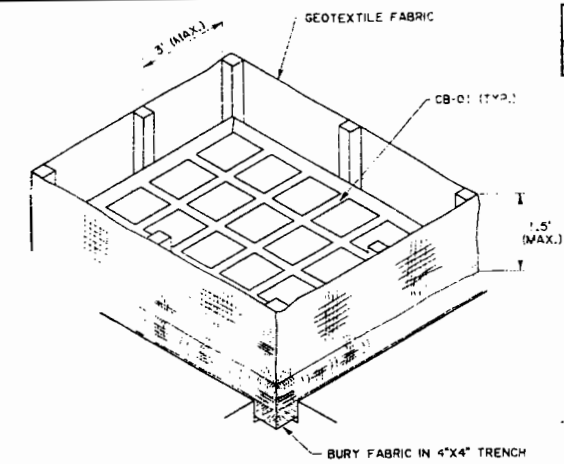
- CONDITION 1: DECKS ON EACH SIDE OF JOINT POURED AT DIFFERENT TIME INTERVALS**
- A-PLACE JOINT IN PLACE AS A UNIT (SPACER STILL IN PLACE).
 - B-ADJUST TO PROPER VERTICAL POSITION.
 - C-POUR DECK THAT IS TO BE POURED FIRST.
 - D-PRIOR TO POURING THE ADJACENT DECK, REMOVE SPACER.
 - E-JUST PRIOR TO POURING THE ADJACENT DECK, SET JOINT TO PROPER OPENING RELATIVE TO THE CURRENT TEMPERATURE.
- CONDITION 2: DECK ON EACH SIDE OF JOINT POURED SIMULTANEOUSLY.**
- A-PLACE JOINT IN PLACE AS A UNIT (SPACER STILL IN PLACE).
 - B-ADJUST TO PROPER VERTICAL POSITION.
 - C-PRIOR TO POURING DECKS, REMOVE SPACER.
 - D-JUST PRIOR TO POURING DECKS, SET JOINT TO PROPER OPENING RELATIVE TO THE CURRENT TEMPERATURE.
- NOTE: FIELD BENDING OF STUDS IS TOTALLY PROHIBITED.**

F.A.P.	STATE PROJECT	PAR. NO.	SHEET NO.
10-2(237)831	450-15-92	JEFFERSON	448
10-2(283)225	450-20-83	ORLEANS	
610-2(363)231	450-32-10		

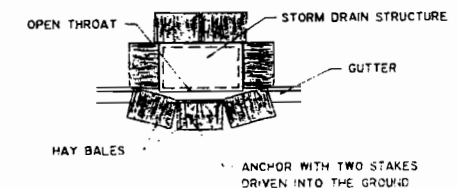


SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC

- NOTES:**
- The temporary drop inlet silt trap is to be used for small drainage areas (less than 1 acre) where the storm drain is functional before the area is stabilized. The trap can be either geotextile fabric or hay bales.
- The geotextile fabric shall conform to Section 1019 (Type G) of the LA DOTD Standard Specifications.
 - Wooden stakes supporting the fabric shall be 2" x 2" or 2" x 4" with a minimum length of 3 feet. The stakes shall be spaced around the inlet at a maximum spacing of 3 feet.
 - The height of the fabric above the inlet shall be limited to 1.5' and the bottom of the fabric shall be buried in a trench approximately 4" wide by 4" deep. The fabric shall be stapled to the post with 1/2" staples.
 - The trap should be inspected regularly and after each storm. The sediment should be removed and make sure each stake is firmly in the ground.



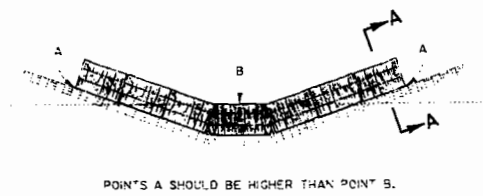
ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC (BACKFILL SOIL NOT SHOWN)



PLAN SHOWING HAY BALES

PA ITEM: 204(02), TEMPORARY BALED HAY OR STRAW

TEMPORARY INLET SILT TRAP

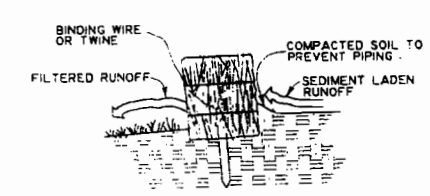


ELEVATION

TEMPORARY SEDIMENT CHECK DAM (HAY)

PAY ITEM: 204(05)(A), TEMPORARY SEDIMENT CHECK DAM (HAY)

- NOTES:**
- A hay bale barrier is a temporary sediment barrier consisting of a row of entrenched and anchored bales of straw or hay. The hay bale barrier is also used as a check dam to reduce the velocity in small ditches or swales. The hay bales shall be in accordance with LA DOTD Standard Specifications, Section 204. A few basic design guidelines for the use of a Hay Bale Barrier are:
- Use where erosion would occur in the form of sheet and rill erosion.
 - Use in minor swales or ditches where the maximum drainage area is 2 acres.
 - Only use where the effectiveness is required for less than 3 months.
 - Do not use in live streams or in swales or ditches where there is a possibility of a washout.



SECTION A-A

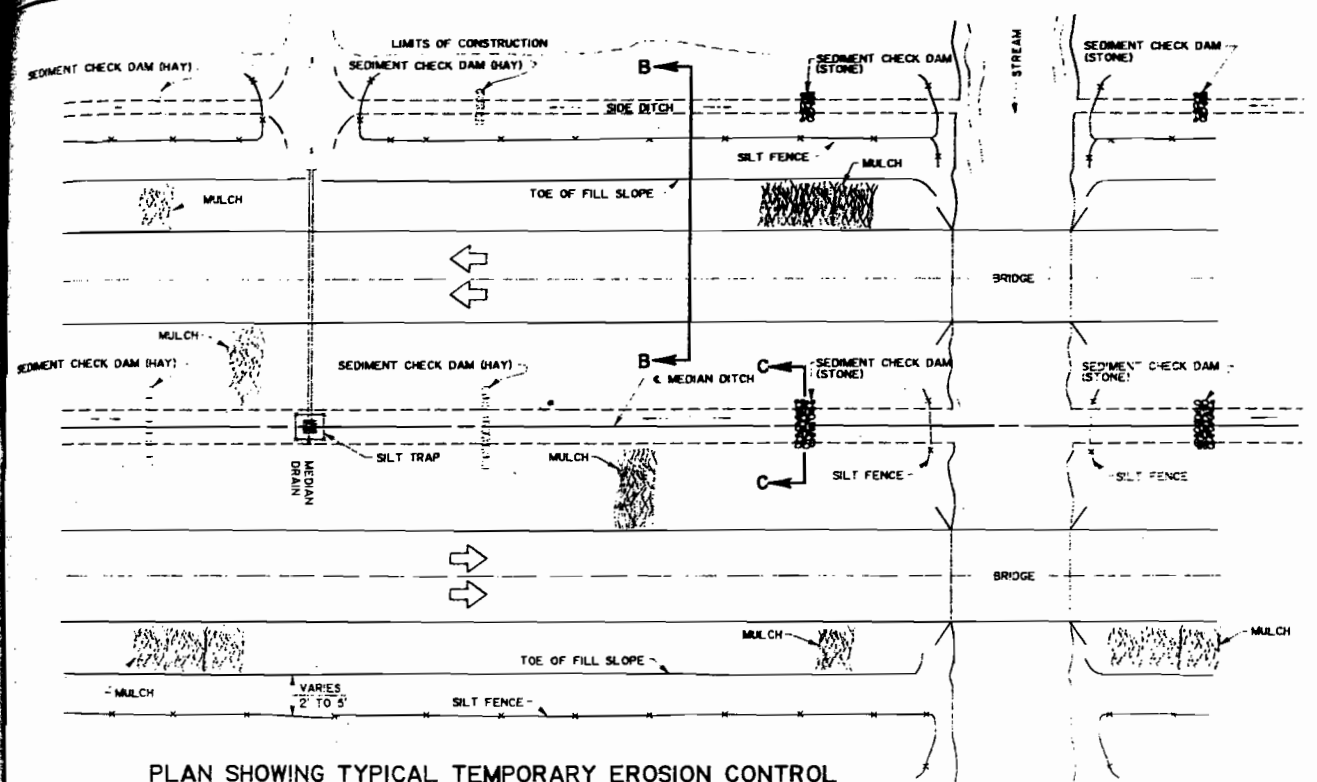
STANDARD PLAN NO. EC-01 SHEET 2 OF 2

DATE: January 14, 1994

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

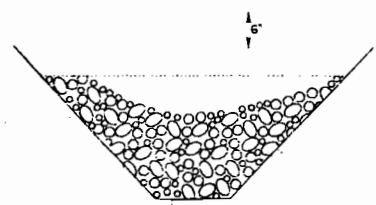
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature]

DATE: 1-14-94



PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

- MULCHES**
- Mulches are the application of mats of material placed on the soil surface to prevent erosion by protecting the soil surface from raindrop impact and to reduce the velocity of overland flow. Mulches can be organic or synthetic. Mulches shall be in accordance with subsection 1018.19 of the LA DOTD Standard Specifications. A few guidelines for the use of Mulches are:
- Use on cut and embankment slopes which have not been completed to plan grade or where the weather or soil conditions will not permit completing them within a reasonable time;
 - Use on cleared, grubbed, and scalped areas where soil erosion is likely to occur;
 - Use with temporary seeding.

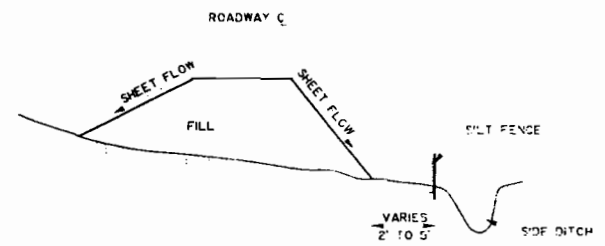


SECTION C-C

TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: 204(05)(B), TEMPORARY SEDIMENT CHECK DAM (STONE)

- NOTES:**
- A stone check dam is a small temporary dam constructed across a swale or drainage ditch. The purpose of this measure is to reduce the velocity of concentrated stormwater flows, thereby reducing erosion of the swale or ditch. The stone check dam will trap small amounts of sediments generated in the ditch itself, however it should not be used as a sediment trapping device. A few basic design guidelines for the use of Stone Check Dams are:
- Use in small open channels which drain 10 acres or less.
 - Do not use in a live stream.
 - Use in a temporary ditch or swale which, because of their short length of service, cannot receive a non-erodible lining.
 - Use in permanent ditches or swales which will not receive a permanent lining for an extended period of time.
 - Use in temporary or permanent ditches or swales which need protection during the establishment of grass linings.
 - For stone specifications see subsection 711.02(a)(Class 2LB.) of the LA DOTD Standard Specifications.

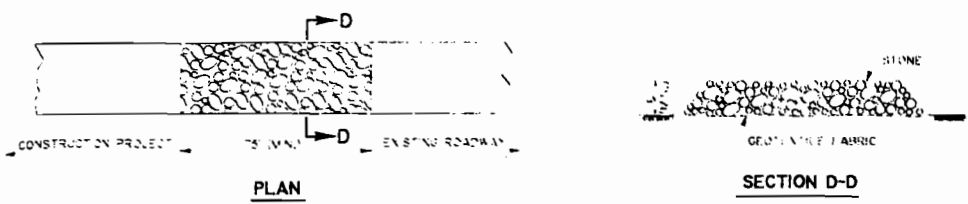


SECTION B-B

TEMPORARY SILT FENCE APPLICATION

(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)

Jack C. Moore

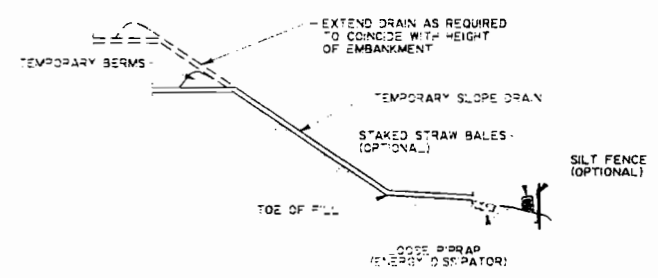
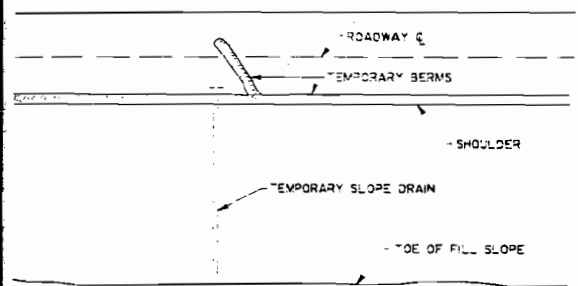


TEMPORARY STONE CONSTRUCTION ENTRANCE
 PAY AS SHOWN TEMP. STONE CONSTRUCTION ENTRANCE

NOTES:
TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A stone trap should be placed at points of vehicular ingress and egress on the construction site to reduce the amount of mud transported onto public roads. The action of the vehicle traveling over the gravel pad is not sufficient to remove the majority of the mud, when the tires must be washed before the vehicle enters a public road. A few practices or guidelines for the use of a Stone Construction Entrance and/or Wash Rack are:

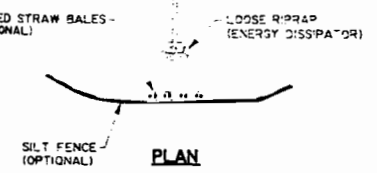
1. The stone layer must be at least 6 inches thick.
2. The stone shall conform to Section 7022 (Class 2.3) of the LA DOTD Standard Specifications.
3. The length of the pad must be at least 75 feet and it must extend the full width of the vehicular ingress and egress.
4. A geotextile fabric underliner is required. The geotextile fabric shall be in accordance with Section 019 (Type D) of the LA DOTD Standard Specifications.
5. If a wash rack is necessary, provisions must be made to intercept the wash water and trap the sediment before it is carried off-site.



ELEVATION

NOTES:
 A temporary slope drain is a device used to carry water from the construction work area to a lower elevation. Slope drains may be plastic sheeting, metal or plastic pipe, stone gutters, fiber mats, or concrete or asphalt ditches. A few basic design guidelines for the use of a temporary slope drain are:

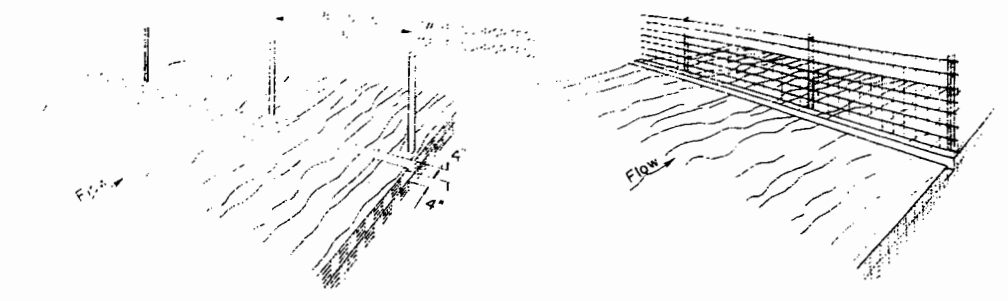
1. The top edge of the slope drain shall be with the road grade.
 For Grades: 0.0% - 2.0% use 12" minimum
 2.0% - 5.0% use 18" minimum
 Greater than 5.0% use 24" minimum
2. Slope drain materials: 12" minimum corrugated pipe 18" minimum plastic sheeting 4' wide minimum 5 mils thick min.
3. Plastic sheeting can be staked down or weighted with rocks or logs. The area under the sheeting should be shaped to provide an adequate channel.
4. The outlet end should be protected or have some means of dissipating energy. The flow should be directed through a sediment trap such as a silt fence or hay bales.
5. To insure proper operation, temporary slope drains should be inspected regularly and after each storm, for snagging or displacement. Erosion at the outlet should be checked and the silt traps cleaned if necessary.



PLAN

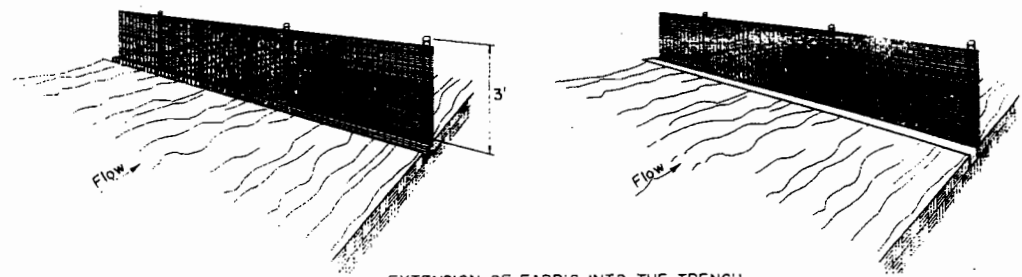
TEMPORARY SLOPE DRAIN

10-51237-23	450-15-92	JEFFERSON	449
10-51238-23	450-90-83	ORLEANS	
10-51239-23	430-34-82		

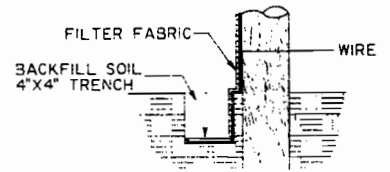


3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.

4. BACKFILL AND COMPACT EXCAVATED SOIL.



EXTENSION OF FABRIC INTO THE TRENCH.



CONSTRUCTION OF TEMPORARY SILT FENCING

(WIRE SUPPORTED SILT FENCE IS SHOWN. SELF SUPPORTED SILT FENCE WILL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.)

NOTES:
 1. The silt fence shall be constructed in accordance with the manufacturer's specifications.
 2. The silt fence shall be constructed in a trench that is at least 4 feet deep and 4 feet wide.
 3. The silt fence shall be constructed in a trench that is at least 4 feet deep and 4 feet wide.
 4. The silt fence shall be constructed in a trench that is at least 4 feet deep and 4 feet wide.
 5. The silt fence shall be constructed in a trench that is at least 4 feet deep and 4 feet wide.

Jack C. Moore

EC-01	DATE: 2-2-7
CONTROL DETAILS	
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
PROJECT: [unclear] DRAWN BY: [unclear] CHECKED BY: [unclear] DATE: 1/18/04	

STEEL BEARING PILES (HP 12x84)

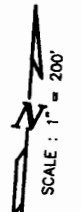
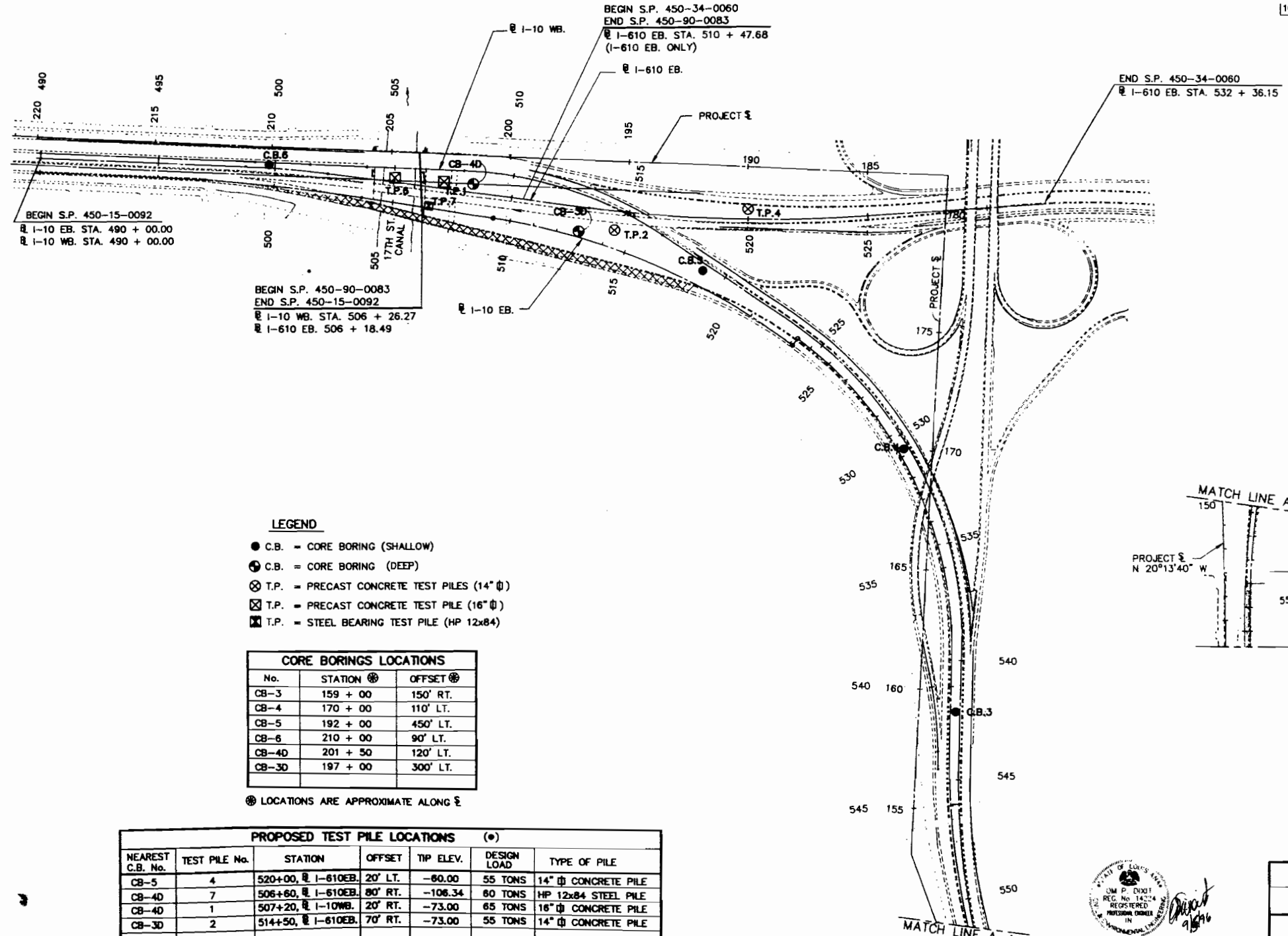
LOCATION	BENT NO.	BENT STATION	PILE #		1			2			3			4			5			6			7			8			9			10			11			12			
			TEST PILE	MAX PILE LOAD	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH							
			7	60	7.52	-107.48	115	7.63	-107.37	115	7.74	-107.26	115	7.85	-107.15	115	7.96	-107.04	115	8.07	-106.93	115	8.18	-106.82	115	8.28	-106.72	115	8.39	-106.61	115	8.51	-106.49	115	8.62	-106.38	115	8.73	-106.27	115	
610 EB	1	504+10.44	7	60	7.52	-107.48	115	7.63	-107.37	115	7.74	-107.26	115	7.85	-107.15	115	7.96	-107.04	115	8.07	-106.93	115	8.18	-106.82	115	8.28	-106.72	115	8.39	-106.61	115	8.51	-106.49	115	8.62	-106.38	115	8.73	-106.27	115	
	4	506+26.27	7	60	11.52	-107.48	119	11.63	-107.37	119	11.74	-107.26	119	11.85	-107.15	119	11.95	-107.05	119	12.06	-106.94	119	12.17	-106.83	119	12.28	-106.72	119	12.39	-106.61	119	12.49	-106.51	119	12.60	-106.40	119	12.70	-106.30	119	
110 WB	1	504+08.48	7	60	6.26	-106.74	113	6.32	-106.68	113	6.39	-106.61	113	6.45	-106.55	113	6.51	-106.49	113	6.57	-106.43	113	6.63	-106.37	113	6.69	-106.31	113	6.76	-106.24	113	6.72	-106.28	113	6.66	-106.34	113	6.60	-106.40	113	
	4	506+18.49	7	60	8.66	-106.34	115	8.72	-106.28	115	8.78	-106.22	115	8.84	-106.16	115	8.91	-106.09	115	8.97	-106.03	115	9.03	-105.97	115	9.09	-105.91	115	9.15	-105.85	115	9.13	-105.87	115	9.07	-105.93	115	9.01	-105.99	115	
LOCATION	BENT NO.	BENT STATION	PILE #		13			14			15			16			17			18			19			20			21			22			23			24			TOTAL PILE LENGTH
			TEST PILE	MAX PILE LOAD	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH	PILE CUTOFF ELEVATION	PLAN TIP ELEVATION	PILE LENGTH							
			7	60	8.67	-106.33	115	8.58	-106.42	115	8.48	-106.52	115	8.38	-106.62	115	8.29	-106.71	115	8.19	-106.81	115	8.09	-106.91	115	7.99	-107.01	115	7.90	-107.10	115	7.80	-107.20	115	7.70	-107.30	115	7.61	-107.39	115	

STEEL SHEET PILE WALL (SQ. FT.)		
LOCATION	BENT NO.	QUANTITY
610 EB.	BENT 1	1,071.5
	BENT 4	1,677.3
110 WB.	BENT 1	699.2
	BENT 4	1,153.2
TOTAL		4,601.2

NOTES:
 ALL PILE LENGTHS ARE IN FEET UNLESS MENTIONED OTHERWISE.
 ALL LOADS ARE IN TONS UNLESS MENTIONED OTHERWISE.
 ALL STATIONS GIVEN ALONG BASELINE.
 PILE NUMBERS BEGIN AT LEFT AND END AT RIGHT LOOKING UPSTATION.



STATE OF MISSISSIPPI DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
INTERSTATE 10 17th Street Jct - Southern R.R. Underpass	
PILE DATA	
Park-Messinger, Inc. Engineers & Constructors New Orleans, Louisiana	
DATE: 5-12-97	DESCRIPTION: QUANTITY REVISION
BY: [Signature]	DATE: JUNE 98
BY: [Signature]	SCALE: AS SHOWN
BY: [Signature]	SHEET NO. 4 OF 4



LEGEND

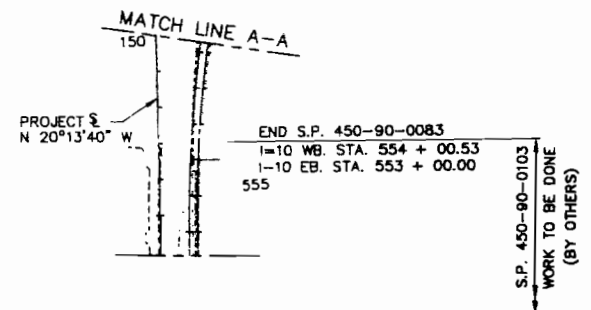
- C.B. = CORE BORING (SHALLOW)
- ⊙ C.B. = CORE BORING (DEEP)
- ⊗ T.P. = PRECAST CONCRETE TEST PILES (14" ⌀)
- ⊠ T.P. = PRECAST CONCRETE TEST PILE (16" ⌀)
- ⊡ T.P. = STEEL BEARING TEST PILE (HP 12x84)

CORE BORINGS LOCATIONS		
No.	STATION ⊗	OFFSET ⊗
CB-3	159 + 00	150' RT.
CB-4	170 + 00	110' LT.
CB-5	192 + 00	450' LT.
CB-6	210 + 00	90' LT.
CB-4D	201 + 50	120' LT.
CB-3D	197 + 00	300' LT.

⊗ LOCATIONS ARE APPROXIMATE ALONG §

PROPOSED TEST PILE LOCATIONS (⊙)						
NEAREST C.B. No.	TEST PILE No.	STATION	OFFSET	TIP ELEV.	DESIGN LOAD	TYPE OF PILE
CB-5	4	520+00, § I-610EB.	20' LT.	-80.00	55 TONS	14" ⌀ CONCRETE PILE
CB-4D	7	506+60, § I-610EB.	80' RT.	-108.34	80 TONS	HP 12x84 STEEL PILE
CB-4D	1	507+20, § I-10WB.	20' RT.	-73.00	65 TONS	16" ⌀ CONCRETE PILE
CB-3D	2	514+50, § I-610EB.	70' RT.	-73.00	55 TONS	14" ⌀ CONCRETE PILE
CB-4D	6	505+00, § I-10WB.	20' RT.	-95.00	120 TONS	24" ⌀ CONCRETE PILE

(⊙) THESE COULD BE CHANGED IN THE FIELD AS REQUIRED.



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
INTERSTATE 10
17th Street Canal-Southern R/R Underpass

CORE BORING & TEST PILES LOCATION MAP

Burk-Kleinpeter, Inc.
Engineers, Architects, Planners, Environmental Scientists
New Orleans, Louisiana

DESIGNED: D. MANILOWAR	DATE: JUNE 88
CHECKED: S.L. SMITH	SCALE: AS SHOWN
BY: [Signature]	REVISIONS:

8-15-88	S.P. 450-34-0080 ADDED	BY: [Signature]
DATE:	DESCRIPTION:	BY:
	REVISIONS:	

