

THE BOARD OF LEVEE COMMISSIONERS OF THE EAST JEFFERSON LEVEE DISTRICT

CONTRACT 92-1

17TH STREET CANAL

WEST SIDE LEVEE IMPROVEMENTS

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT

SAL J. D'ANGELO PRESIDENT
ANTHONY J. GIAMBELLUCA VICE-PRESIDENT
PATRICK W. BURKE, SR. SECRETARY
ROBERT WOODS TREASURER

APPROVED BY:

SAL J. D'ANGELO
SAL J. D'ANGELO - PRESIDENT
EAST JEFFERSON LEVEE DISTRICT

2/25/92
DATE

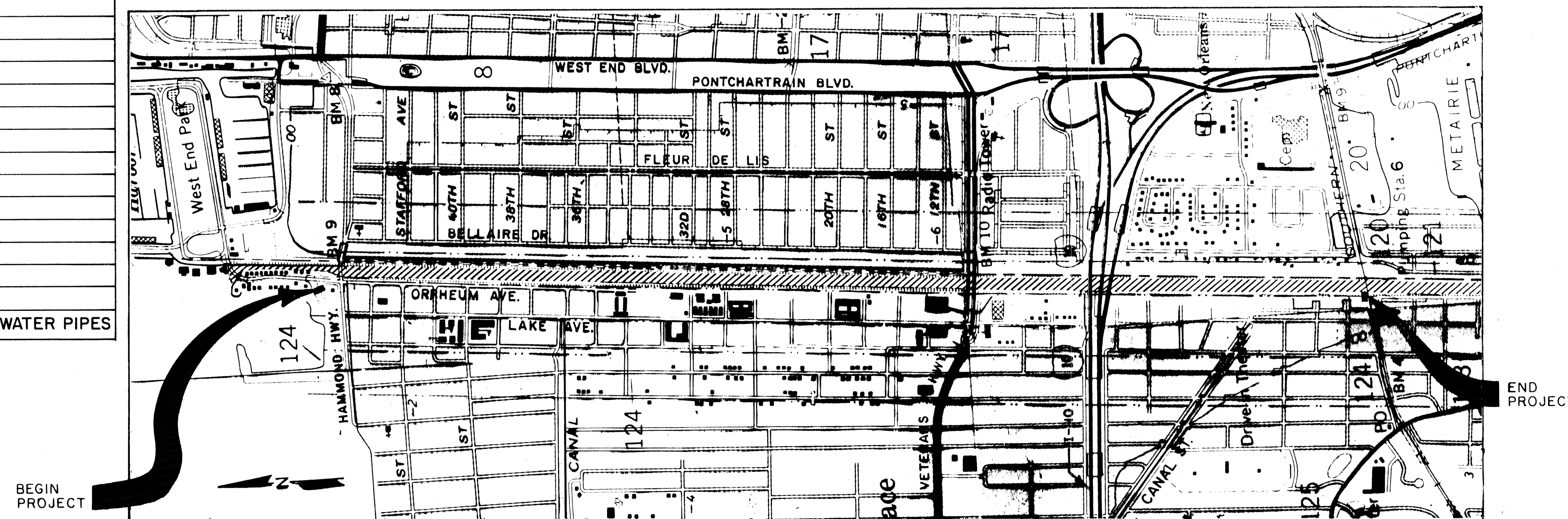
SUBMITTED BY:

William B. Conway
WILLIAM B. CONWAY
MODJESKI AND MASTERS ENGINEERS

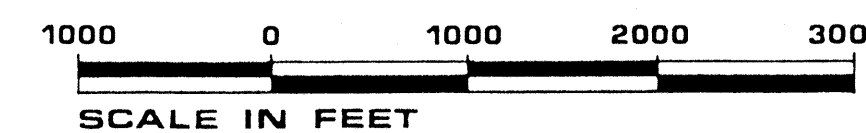
2/25/92
DATE



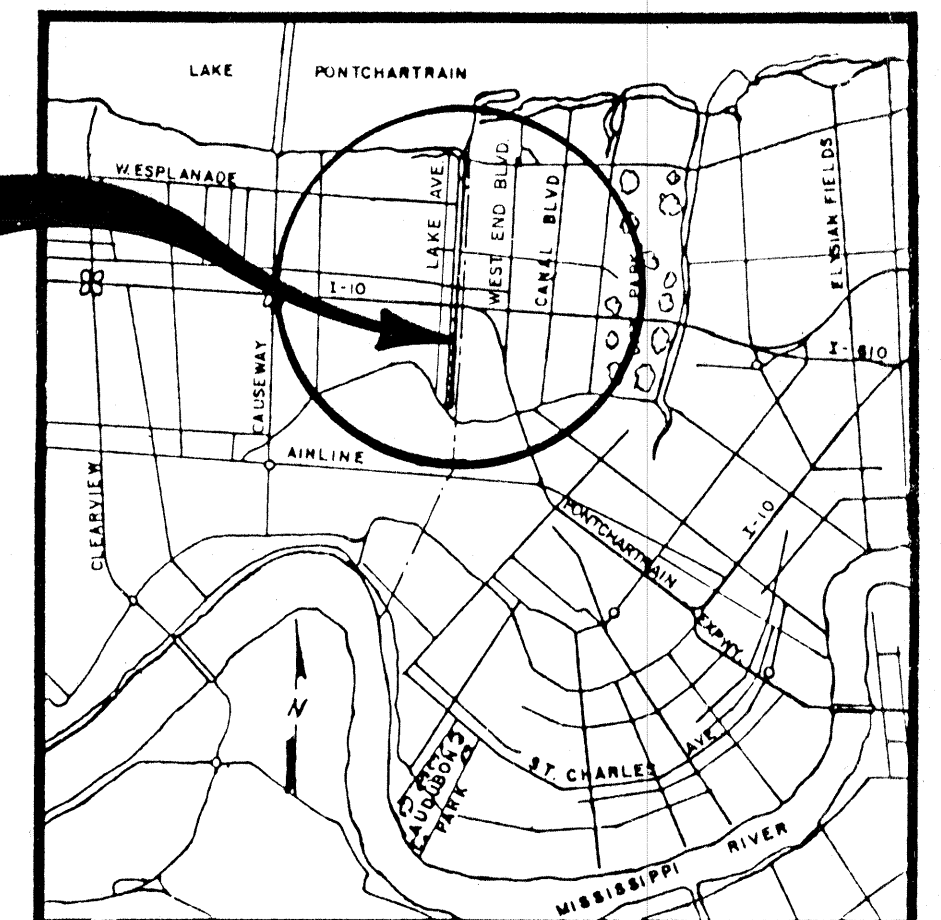
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PROJECT LOCATION



PROJECT LOCATION



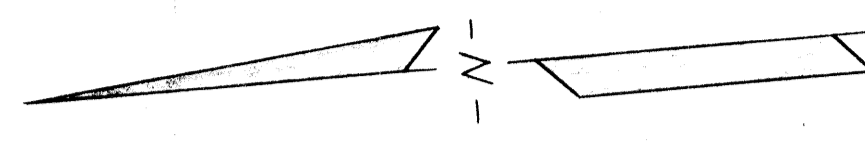
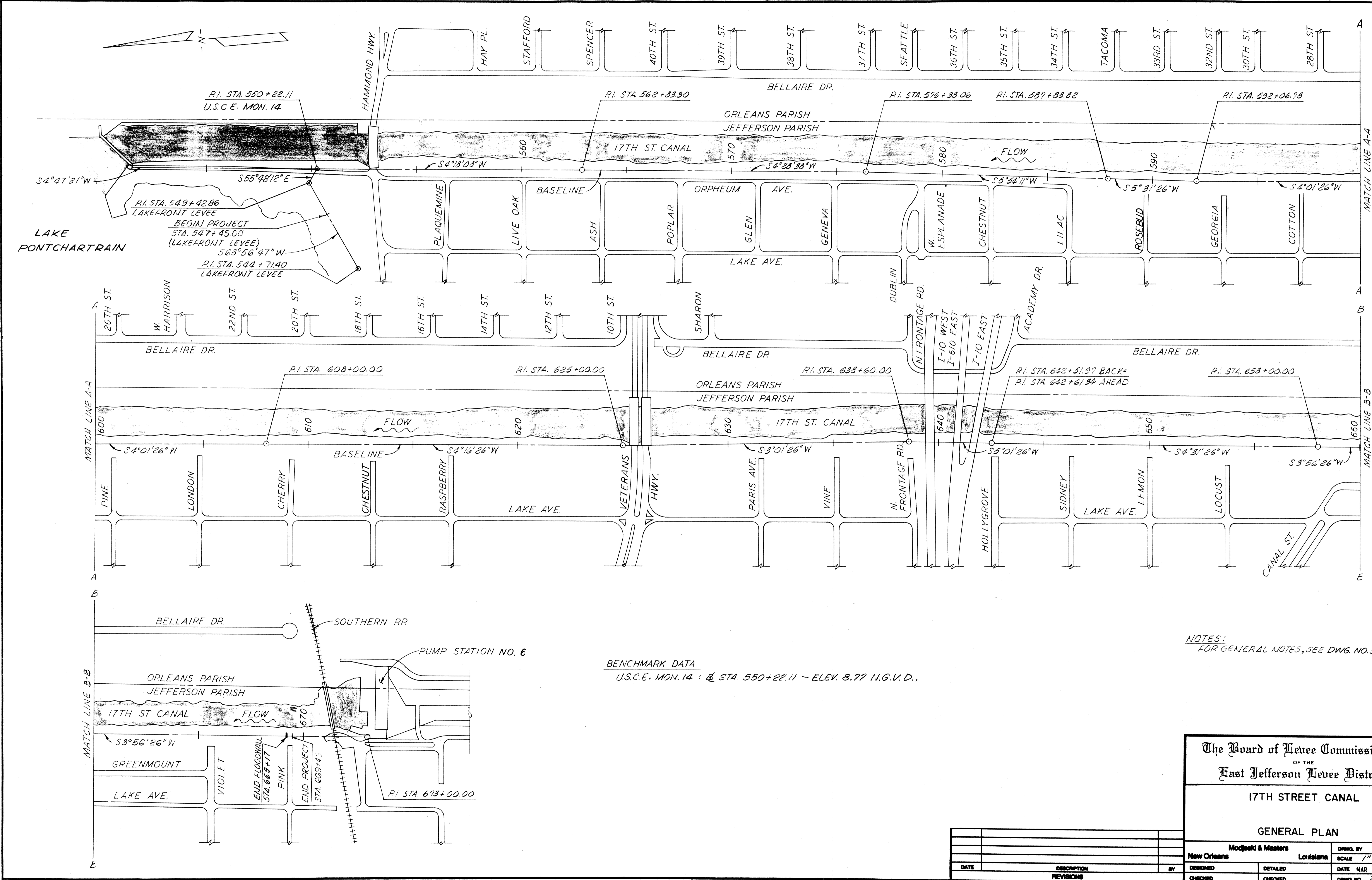
VICINITY MAP

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

TITLE SHEET

DATE		DESCRIPTION	BY	DATE	DESCRIPTION	BY
		REVISIONS				
New Orleans Modjeski & Masters Louisiana				DESIGNED <i>F.S.</i> DETAILED CHECKED <i>M.L.S.</i> CHECKED	DRAWN BY <i>A.P.A.</i> SCALE <i>AS NOTED</i> DATE <i>MAR 1992</i> DRWG. NO. <i>1</i> OF	



P.I. STA. 550+22.11
U.S.C.E. MON. 14

P.I. STA. 562+83.90

P.I. STA. 576+38.06

P.I. STA. 587+83.82

P.I. STA. 592+06.78

P.I. STA. 549+92.86
LAKEFRONT LEVEE

BEGIN PROJECT
STA. 547+45.00
(LAKEFRONT LEVEE)

P.I. STA. 544+71.40
LAKEFRONT LEVEE

P.I. STA. 608+00.00

P.I. STA. 625+00.00

P.I. STA. 638+60.00

P.I. STA. 642+51.97 BACK=
P.I. STA. 642+61.94 AHEAD

P.I. STA. 658+00.00

BENCHMARK DATA
U.S.C.E. MON. 14 @ STA. 550+22.11 ~ ELEV. 8.77 N.G.V.D.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

GENERAL PLAN

Modjeski & Masters New Orleans Louisiana		DRWG. BY
SCALE 1"=200'-0"		DATE MAR 1992
DESIGNED	DETAILED	CHECKED
DATE	DESCRIPTION	BY
REVISIONS		
DRAWG. NO. 2		OF

	STATE PROJECT	PARISH	SHEET NO.

DESCRIPTION OF WORK

THIS PROJECT CONSISTS OF THE FOLLOWING WORK:

- PULLING OF EXISTING SHEET PILE ON THE JEFFERSON LEVEE FROM THE LAKEFRONT LEVEE TO INTERSTATE-10.
- DRIVING NEW SHEET PILE ON THE JEFFERSON LEVEE FROM THE LAKEFRONT LEVEE TO THE SOUTHERN RAILWAY, AND FOR APPROXIMATELY 240 FEET ON THE LAKEFRONT LEVEE, AND PROVIDING FOR VIBRATION MONITORING TO BE IN EFFECT DURING PILE DRIVING OPERATIONS.
- CONSTRUCTION OF A CONCRETE FLOODWALL ON THE JEFFERSON LEVEE FROM THE LAKEFRONT LEVEE TO THE SOUTHERN RAILWAY AND FOR APPROXIMATELY 45 FEET ON THE LAKEFRONT LEVEE.
- DREDGING OF THE JEFFERSON SIDE OF THE CANAL FROM HAMMOND HIGHWAY TO INTERSTATE-10 AND DISPOSAL OF ALL DREDGE MATERIAL AT AN APPROVED DISPOSAL SITE.
- RESHAPING THE JEFFERSON LEVEE FROM THE LAKEFRONT LEVEE TO THE SOUTHERN RAILWAY, AND FOR APPROXIMATELY 220 FEET ON THE LAKEFRONT LEVEE, AND DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL AT THE DESIGNATED SITE.
- TURFING OF ALL DISTURBED AND REGRADED AREAS WITHIN THE PROJECT LIMITS.
- RELOCATING A 4" SEWER FORCE MAIN AND A 12" WATER MAIN THROUGH THE REQUIRED FLOODWALL ON THE LAKEFRONT LEVEE, UNDER THE SUPERVISION OF JEFFERSON PARISH PERSONNEL.
- COORDINATING WITH U.S. SPRINT TO RELOCATE THEIR FIBER OPTIC LINE THROUGH THE REQUIRED FLOODWALL SOUTH OF INTERSTATE-10, AND COORDINATING WITH LOUISIANA GAS SERVICE TO RELOCATE THEIR 2" GAS LINE THROUGH THE REQUIRED FLOODWALL ON THE LAKEFRONT LEVEE.
- RECONSTRUCTION OF APPROXIMATELY 440 FEET OF ORPHEUM AVENUE NORTH OF HAMMOND HIGHWAY.
- RECONSTRUCTION OF APPROXIMATELY 3,485 FEET OF THE EXISTING ASPHALT BIKE PATH ON THE JEFFERSON LEVEE.
- RECONSTRUCTION OF EXISTING CONCRETE STEPS ON THE JEFFERSON LEVEE.
- DEMOLITION AND DISPOSAL OF THE PORTION OF THE EXISTING BIKE PATH AND CONCRETE STEPS NOT TO BE RECONSTRUCTED.
- PROVIDING FOR A PRECONSTRUCTION SURVEY OF ALL PROPERTIES ALONG THE JEFFERSON LEVEE FROM THE LAKEFRONT LEVEE TO THE SOUTHERN RAILWAY.
- CONSTRUCTION OF A PORTION OF THE DISCHARGE STRUCTURES OF A FUTURE PUMPING STATION AT THE INTERSECTION OF CANAL ST. AND THE JEFFERSON LEVEE, INCLUDING: DRIVING STEEL AND PRESTRESSED CONCRETE PILES; CONSTRUCTION OF CONCRETE I-WALL, PILE-SUPPORTED INVERTED T-WALL AND PIPE SUPPORTS; INSTALLATION OF STEEL DISCHARGE PIPES, VALVES, AND COUPLINGS; CONSTRUCTION OF A TIMBER PEDESTRIAN BRIDGE; AND INSTALLATION OF A FENCE.

GENERAL NOTES

- ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
- NORMAL WATER SURFACE ELEVATION RANGE IS FROM EL. 1.5 TO EL. 2.0 (N.G.V.D.).
- FOR CONSTRUCTION SEQUENCE AND REQUIREMENTS FOR MAINTENANCE OF FLOOD PROTECTION DURING THE WORK, SEE SECTIONS 2-20 AND 8-14 OF THE CONTRACT SPECIFICATIONS.
- UNLESS NOTED AS REFERRING TO THE LAKEFRONT LEVEE BASELINE, ALL REFERENCES TO BASELINE REFER TO THE MAIN PROJECT BASELINE RUNNING NORTH-SOUTH ALONG THE JEFFERSON LEVEE OF THE 17TH STREET CANAL. THE LAKEFRONT LEVEE BASELINE RUNS EAST-WEST ALONG THE JEFFERSON LAKEFRONT LEVEE AND TIES INTO THE MAIN PROJECT BASELINE AT THE NORTH END OF THE PROJECT.
- ANY REFERENCE TO THE PROTECTED SIDE OF THE LEVEE REFERS TO THE LAND SIDE OF THE LEVEE. ANY REFERENCE TO THE FLOOD SIDE OF THE LEVEE REFERS TO THE CANAL OR LAKE SIDE OF THE LEVEE.
- ACCESS TO AND EGRESS FROM THE WORK SITE SHALL BE IN ACCORDANCE WITH SECTION 2-07 OF THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND IMPLEMENTING A TRAFFIC CONTROL DEVICE PLAN TO PROVIDE SAFE AND EXPEDITIOUS MOVEMENT OF TRAFFIC THROUGH CONSTRUCTION ZONES IN ACCORDANCE WITH SECTION 2-08 OF THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC ON ORPHEUM AVENUE AT ALL TIMES. SEE SECTION 9-04 OF THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL PULL THE EXISTING SHEET PILING ON THE JEFFERSON LEVEE AS INDICATED IN THESE PLANS AND AS DESCRIBED IN THE CONTRACT SPECIFICATIONS. NOTE THAT THE MAJORITY OF THE EXISTING SHEET PILING WILL BE REUSED IN THIS PROJECT. THE REMAINING SHEET PILING WILL BE HAULED TO AND OFF-LOADED AT 1125 LESAN STREET, KENNER. THE ORDER AND TIMING OF THE PULLING SHALL BE IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION, SECTION 2-20 OF THE CONTRACT SPECIFICATIONS.
- DREDGING SHALL BE PERFORMED VIA A BARGE MOUNTED DREDGE. SILT SCREENS SHALL BE PLACED ADJACENT TO THE CLOSEST BRIDGES DOWNSTREAM AND UPSTREAM OF THE DREDGING OPERATION.
- ALL DREDGE MATERIAL AS DEFINED IN SECTION 3-01.1 OF THE CONTRACT SPECIFICATIONS SHALL BE HAULED IN WATERTIGHT TRUCKS TO AN APPROVED DISPOSAL SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AN APPROPRIATE DISPOSAL SITE IN ACCORDANCE WITH SECTION 3-04.2 OF THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF RESIDENCES, TREES, AND UTILITIES ALONG THE ENTIRE LENGTH OF THE PROJECT SITE. HE SHALL EXERCISE EXTREME CAUTION AT ALL TIMES WHEN WORKING ON THE LEVEE AND HE SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE RESULTING FROM HIS OPERATIONS IN ACCORDANCE WITH SECTIONS 2-11 AND 2-12 OF THE CONTRACT SPECIFICATIONS.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17 TH STREET CANAL

GENERAL NOTES

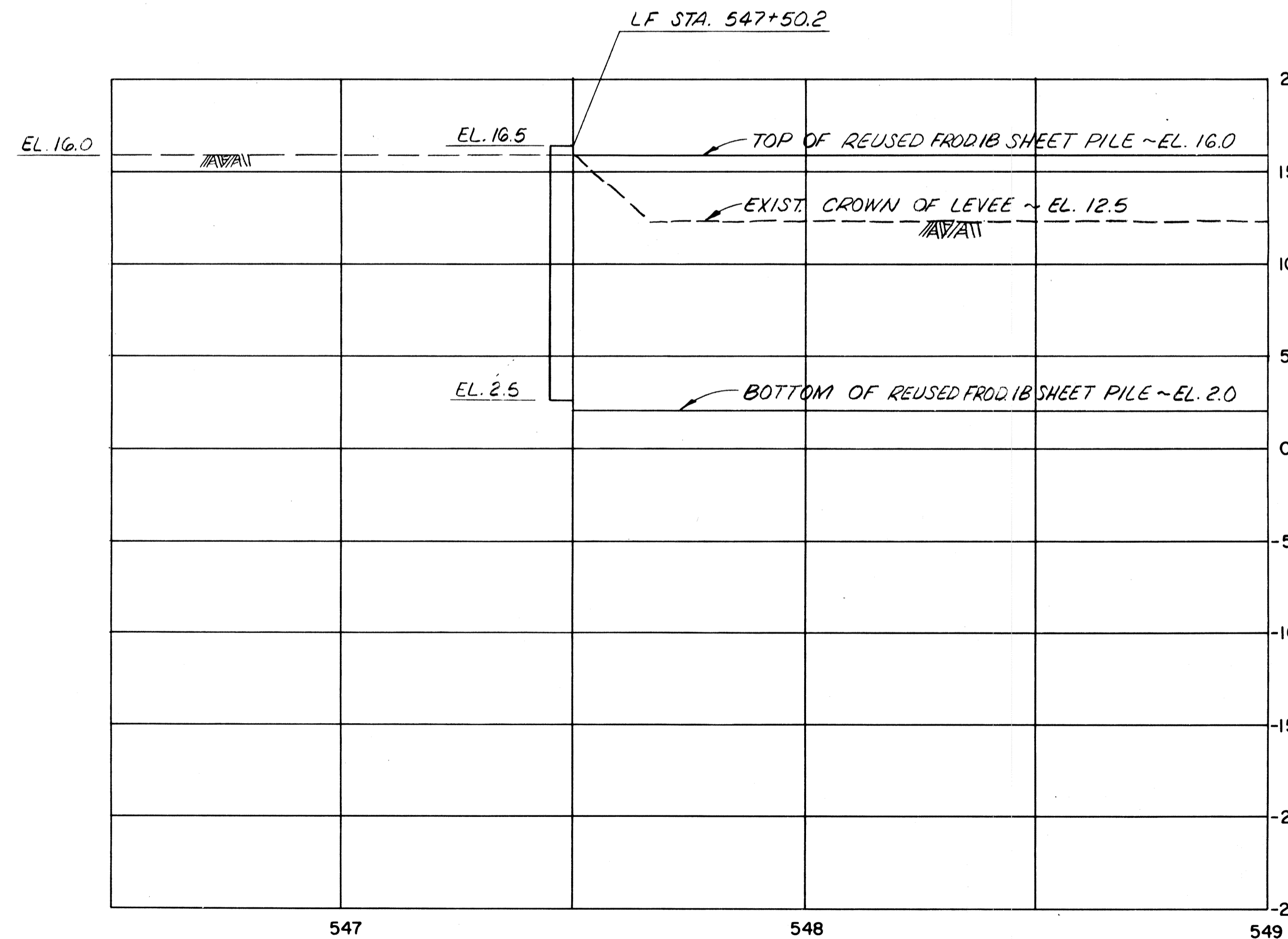
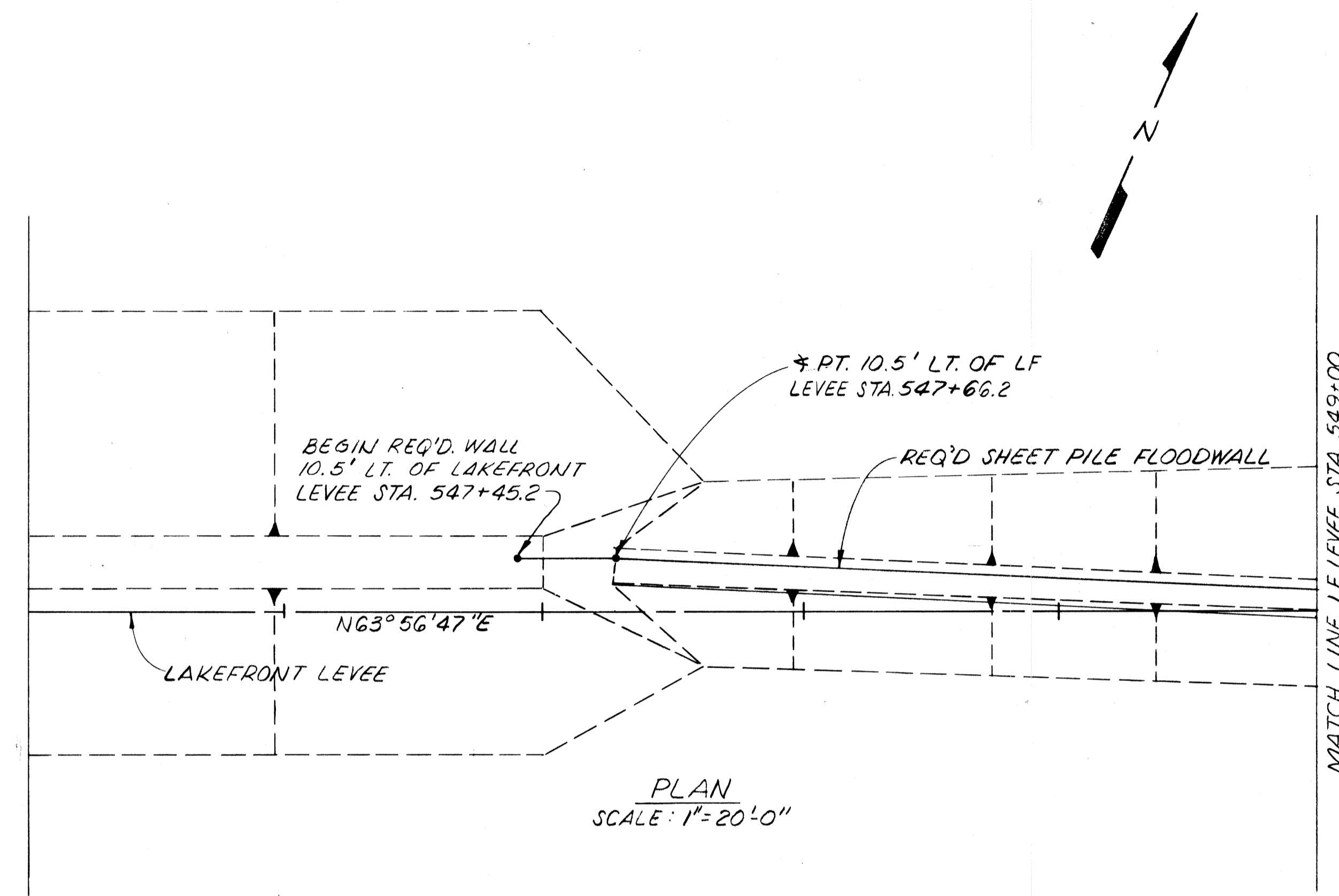
Modjecki & Masters		DRAWN BY
New Orleans	Louisiana	SCALE
DESIGNED	DATE	MAR 1992
CHECKED	CHECKED	DWG. NO. 5 OF

DATE	DESCRIPTION	BY
	REVISIONS	

STATE PROJECT	PARISH	SHEET NO.

STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	Q SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
547+45.2			10.5' LT.	16.5'	2.5
547+50.2			10.5' LT.	16.0/16.5	2.0/2.5
547+66.2			10.5' LT.	16.0	2.0
549+00.0			4.0' LT.	16.5	2.0

▲ - SHEET PILE ANGLE PT.
ALL STATIONING ON THIS SHEET IS BASED ON LAKEFRONT LEVEE STATIONING.



PROFILE
SCALE: HOR. 1"=20'0"
VERT. 1"=5'0"

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR CROSS-SECTIONS OF THIS AREA, SEE DWG. NOS. 34 & 35.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17 TH STREET CANAL

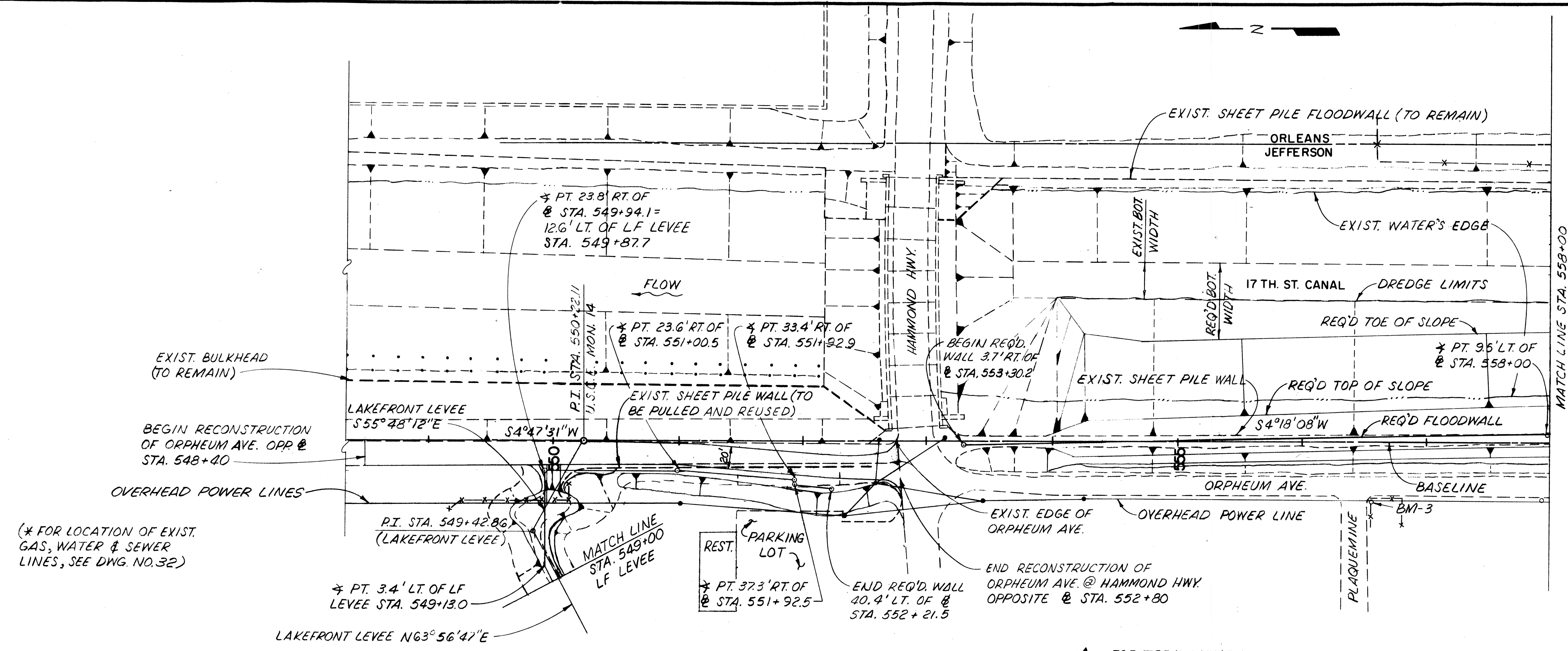
PLAN AND PROFILE - I

DESIGNED	FS	DATE	MAR 1992
CHECKED	MLS	CHECKED	

Modjeski & Masters
New Orleans Louisiana
DRAWN BY D.A.H.
SCALE AS NOTED
DWS. NO. 4 OF

DATE	DESCRIPTION	BY

STATE PROJECT	PARISH	SHEET NO.

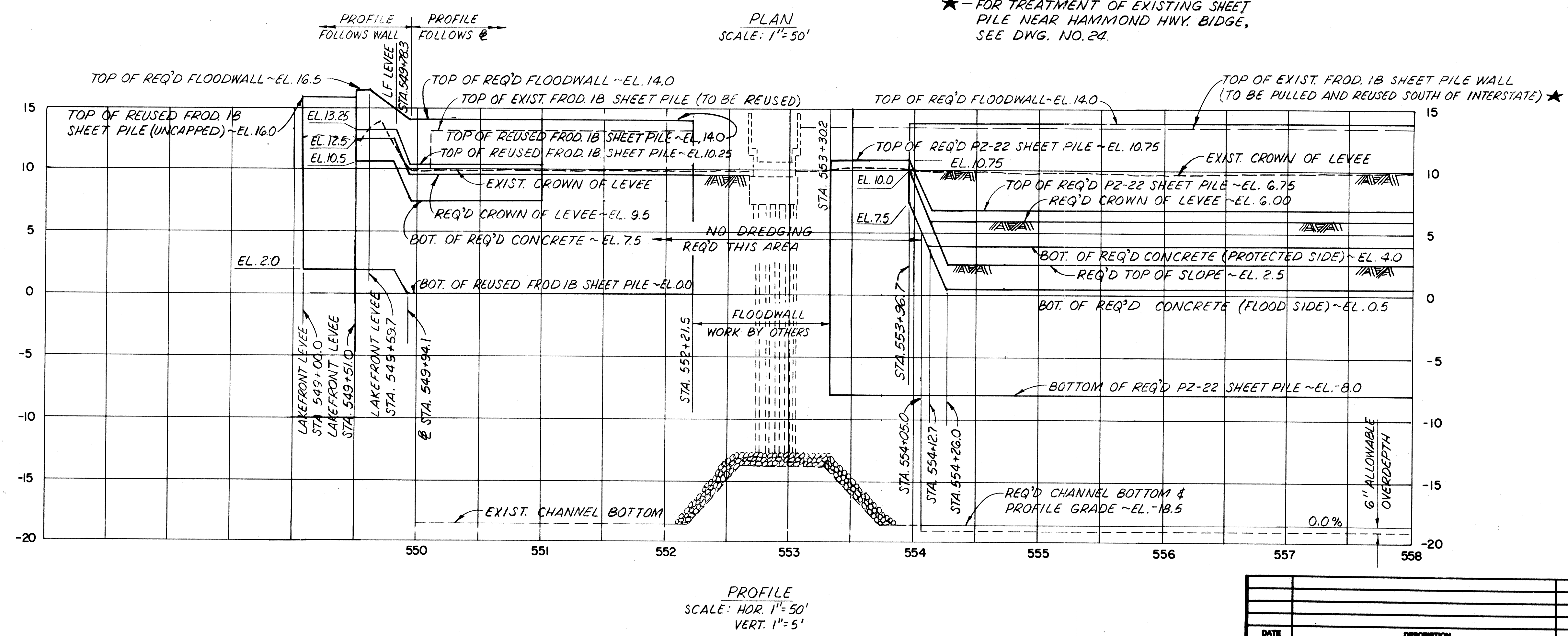


STATION	JEFFERSON SIDE			ELEVATION	
	DISTANCE FROM BASELINE (FT.)	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
549+130*			3.4'LT.	16.0	2.0
549+51.0*			9.4'RT.	16.0/13.25	2.0
549+94.1			23.8'RT.	10.25	0.0
550+00.0			23.8'RT.	10.25	0.0
551+00.0			23.6'RT.	10.25/14.0	0.0
551+92.9			33.4'RT.	14.0	0.0
551+92.5			37.3'RT.	14.0	0.0
552+21.5			40.4'RT.	14.0	0.0
HAMMOND HIGHWAY BRIDGE					
553+30.2			3.7'RT.	10.75	-8.0
553+96.7			1.8'RT.	10.75	-8.0
554+26.0			1.0'RT.	6.75	-8.0
554+40.0	16.4'LT.	79.4'LT.	0.6'RT.	6.75	-8.0
556+00.0	20.9'LT.	83.9'LT.	3.9'LT.	6.75	-8.0
558+00.0	26.5'LT.	89.5'LT.	9.5'LT.	6.75	-8.0

* LAKEFRONT LEVEE STATION
 ▲ SHEET PILE ANGLE POINT

(* FOR LOCATION OF EXIST. GAS, WATER & SEWER LINES, SEE DWG. NO. 32)

★ - FOR TREATMENT OF EXISTING SHEET PILE NEAR HAMMOND HWY. BRIDGE, SEE DWG. NO. 24.



NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 3.
 FOR CROSS SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 35 THRU 40.
 FOR DETAILS OF ORPHEUM AVE. RELOCATION NORTH OF HAMMOND HWY., SEE DWG. NO. 32
 FOR DETAILS OF UTILITY RELOCATIONS NORTH OF HAMMOND HWY., SEE DWG. NO. 31

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

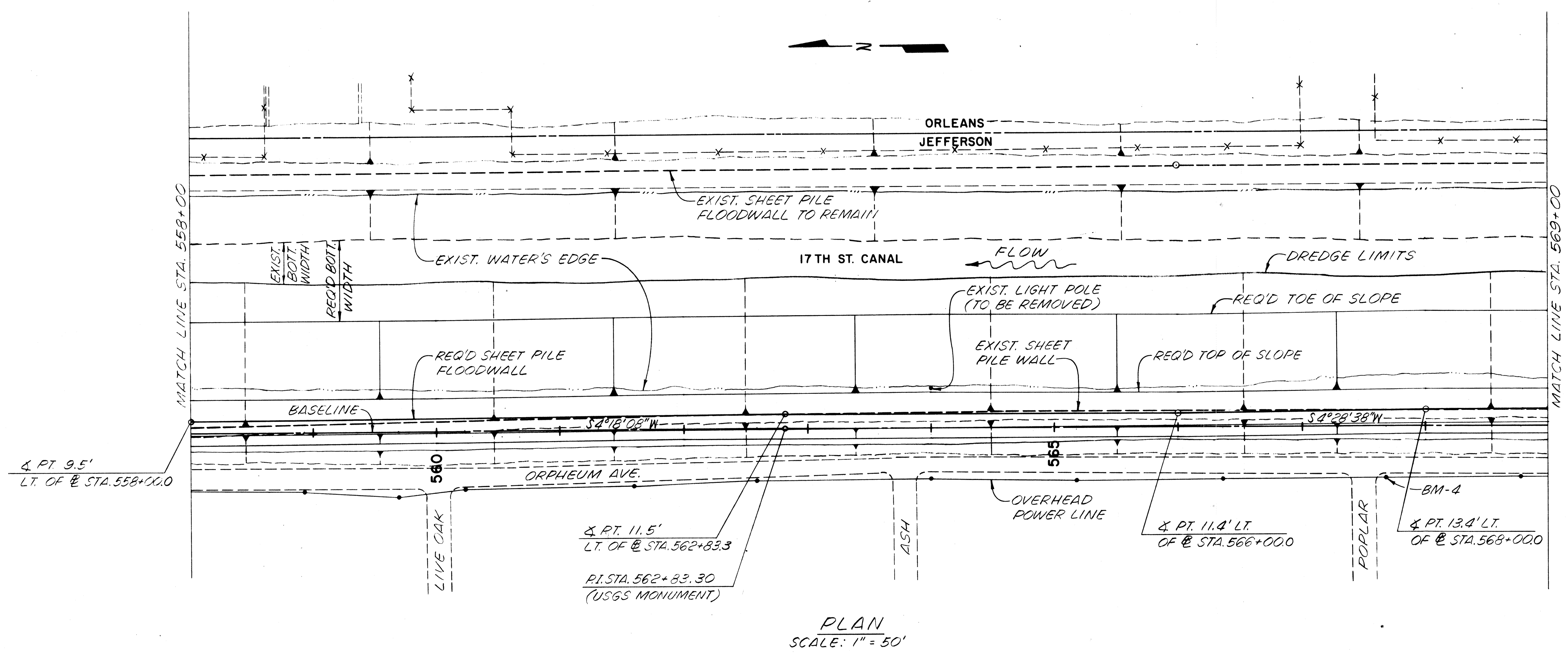
17TH STREET CANAL

PLAN AND PROFILE - 2

New Orleans		Louisiana		DRAWN BY D.A.H.
DESIGNED F.S.	DATE MAR 1992	SCALE	CHECKED M.L.S.	DWG. NO. 5 OF
DATE	DESCRIPTION	BY	REVISIONS	

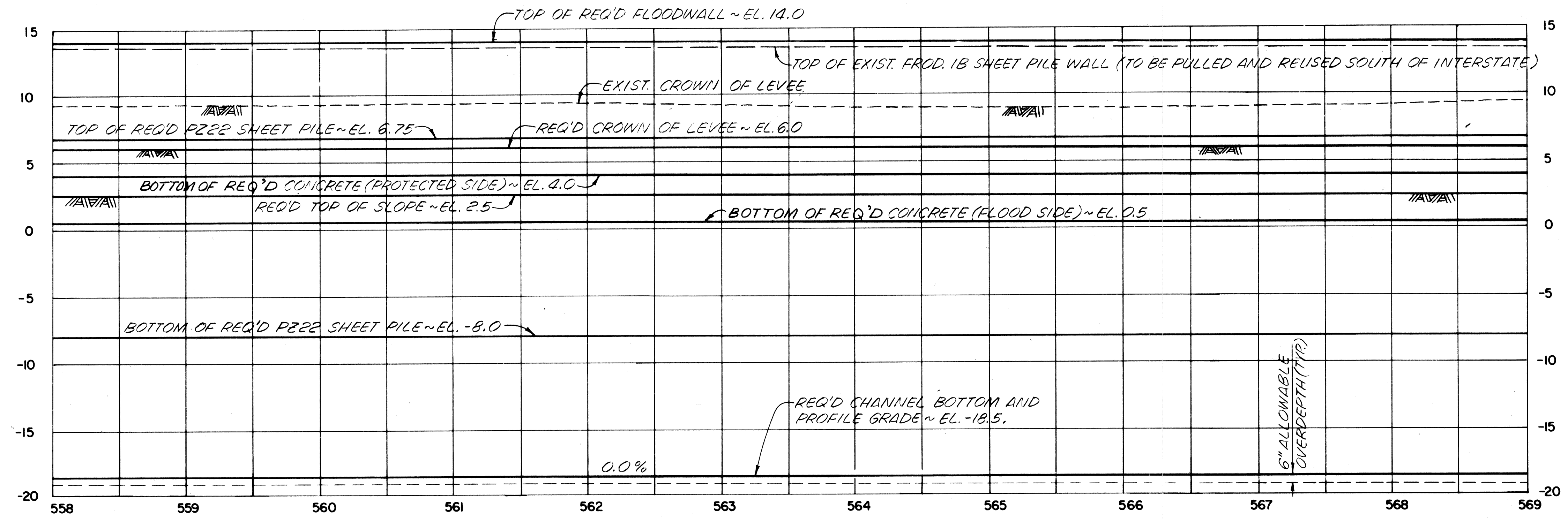
STATEMENT 11/2000

STATE PROJECT	PARISH	SHEET NO.



STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT.)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	¢ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
558+00.0	26.5' LT.	89.5' LT.	9.5' LT.	6.75	-8.0
560+00.0	27.3' LT.	90.3' LT.	10.3' LT.	6.75	-8.0
562+00.0	28.1' LT.	91.1' LT.	11.1' LT.	6.75	-8.0
562+83.3	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
564+00.0	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
566+00.0	28.4' LT.	91.4' LT.	11.4' LT.	6.75	-8.0
568+00.0	30.4' LT.	93.4' LT.	13.4' LT.	6.75	-8.0

▲ SHEET PILE ANGLE PT.



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR CROSS SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 40 & 41.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

PLAN AND PROFILE - 3

DESIGNED	FS	DATE	MAR 1992
CHECKED	MLS	CHECKED	

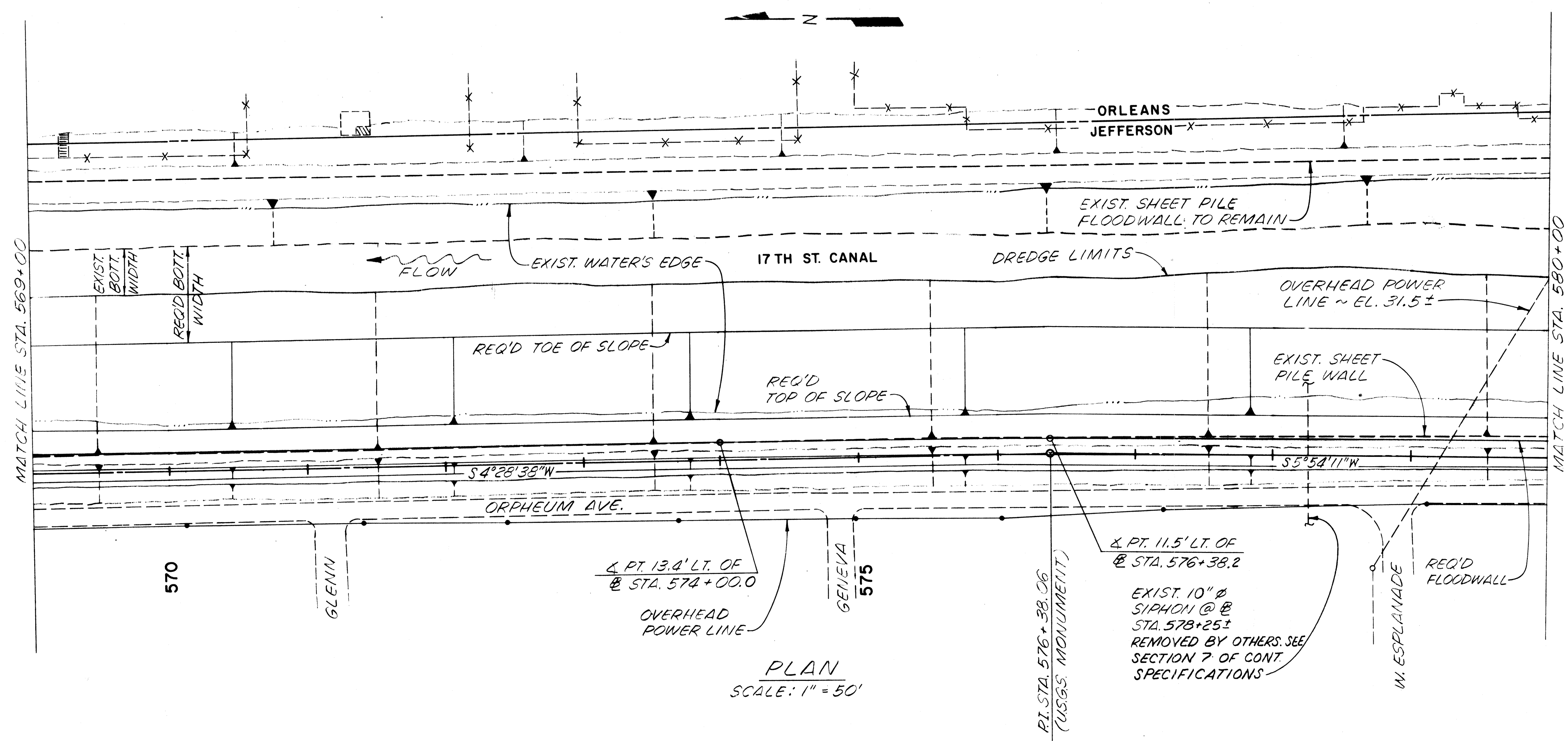
Modjough & Masters
New Orleans Louisiana

DRAWN BY FMR
SCALE AS NOTED

DWG. NO. 6 OF

DATE PLOTTED: 11/15/92

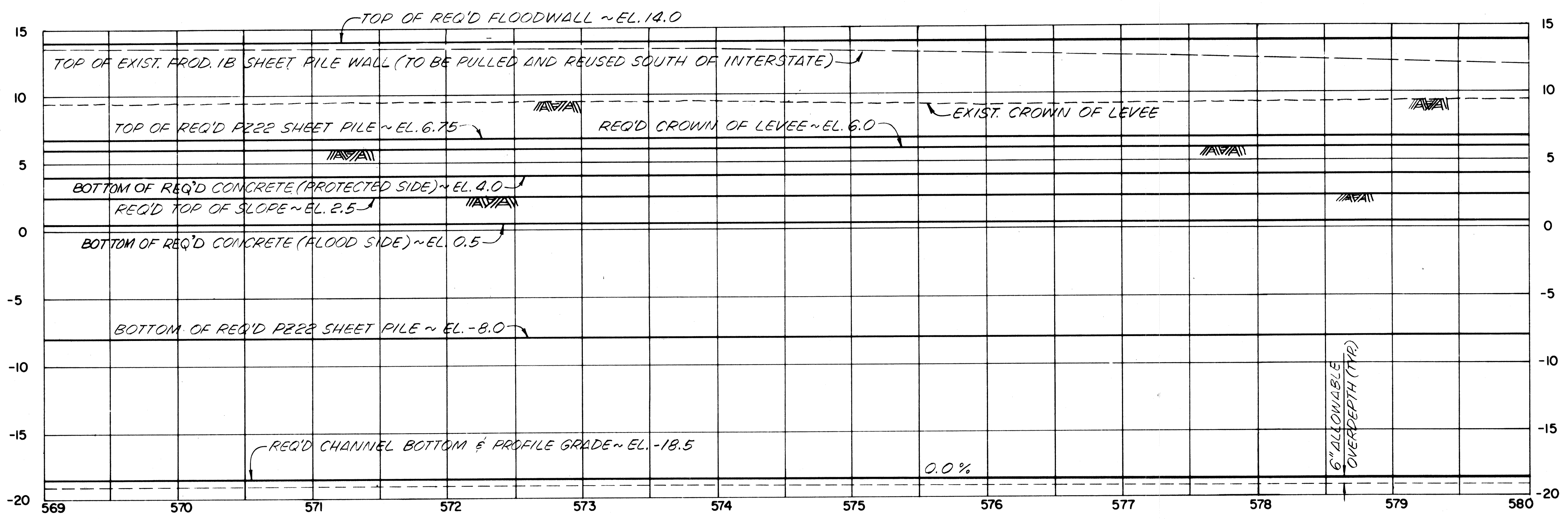
STATE PROJECT	PARISH	SHEET NO.



PLAN
SCALE: 1" = 50'

STATION	JEFFERSON SIDE				ELEVATION
	DISTANCE FROM @ (FT.)	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	
570+000	30.4' LT.	93.4' LT.	13.4' LT.	6.75	-8.0
572+000	30.4' LT.	93.4' LT.	13.4' LT.	6.75	-8.0
574+000	30.4' LT.	93.4' LT.	13.4' LT.	6.75	-8.0
576+000	28.8' LT.	91.8' LT.	11.8' LT.	6.75	-8.0
576+382	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
578+000	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
580+000	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0

▲ SHEET PILE ANGLE PT.



PROFILE
SCALE: HORIZ. = 50'
VERT. = 5'

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR CROSS-SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 42 & 43.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

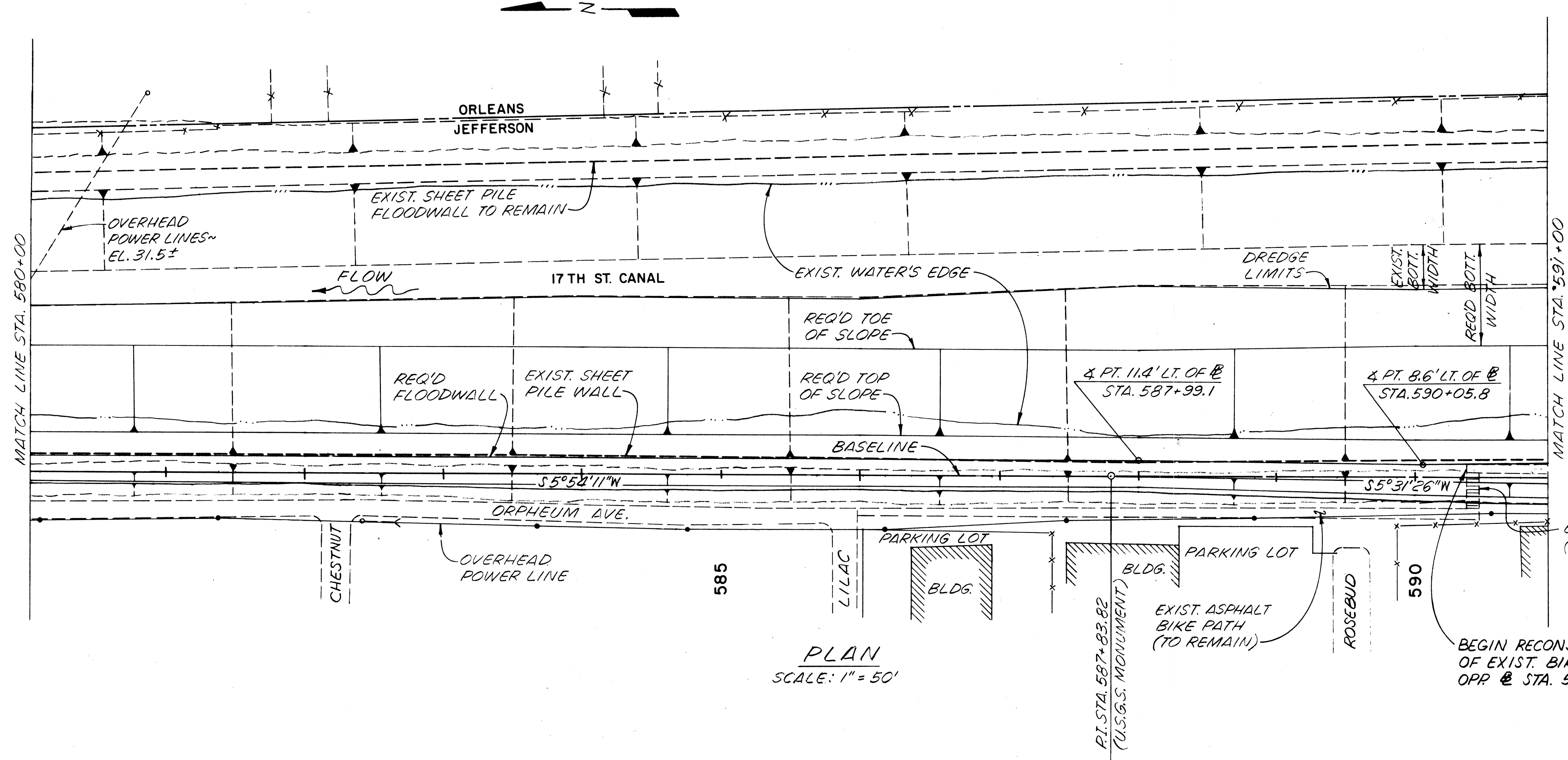
17TH STREET CANAL

PLAN AND PROFILE - 4

Modjough & Masters New Orleans	Louisiana	DRAWN BY D.A.H.
DESIGNED FS	DATE MAR 1992	SCALE AS NOTED
CHECKED MLS	Detailed	DWG. NO. 7 OF

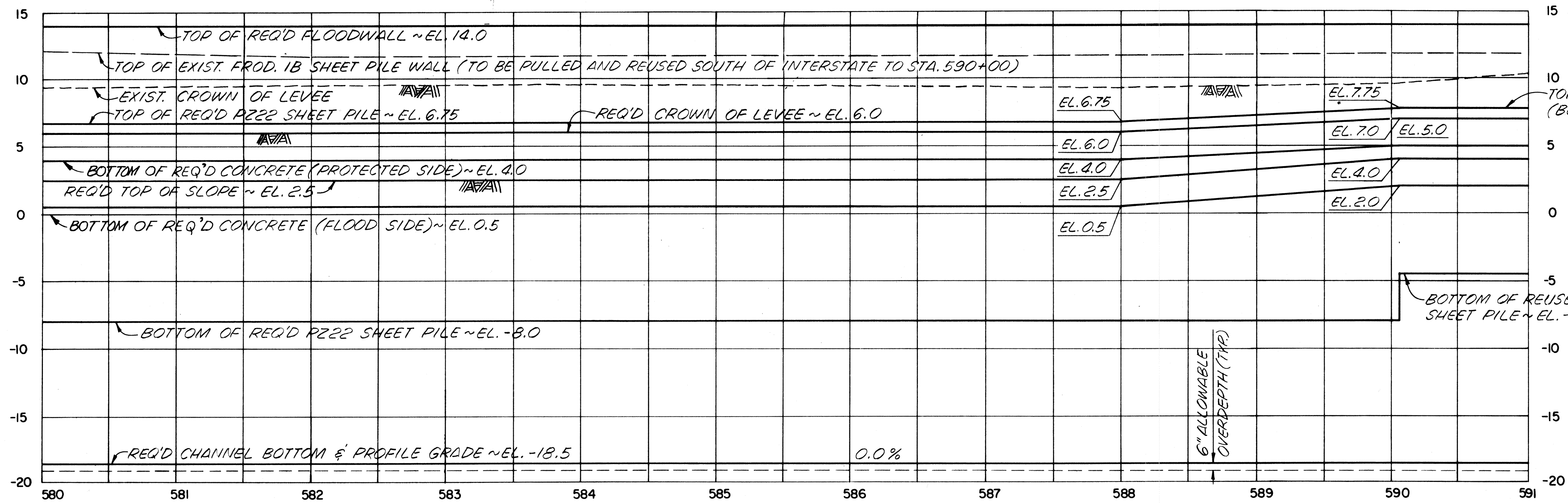
DATE	DESCRIPTION	BY

STATE PROJECT	PARISH	SHEET NO.



STATION	JEFFERSON SIDE				
	DISTANCE FROM @ (FEET)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
580+00.0	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
582+00.0	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
584+00.0	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
586+00.0	28.5' LT.	91.5' LT.	11.5' LT.	6.75	-8.0
587+99.1	28.4' LT.	91.4' LT.	11.4' LT.	6.75	-8.0
590+05.8	27.1' LT.	94.6' LT.	8.6' LT.	7.75	-8.0/-4.5

▲ SHEET PILE ANGLE PT.
FOR TRANSITION IN CROSS SECTION AND SHEET PILE TIP ELEVATION FROM STA. 587+99.1 TO STA. 590+05.8 SEE DWG. NO. 18



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3
FOR CROSS SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 43 THRU 45

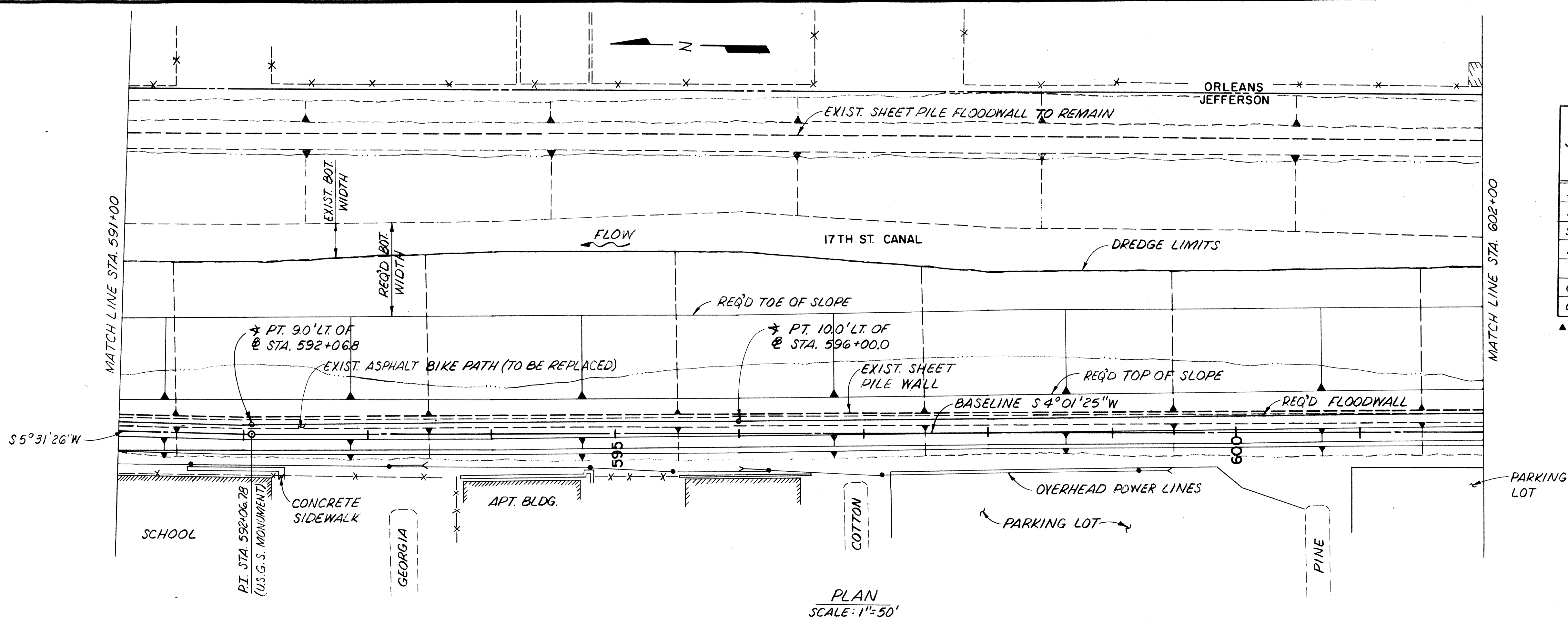
The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

PLAN AND PROFILE - 5

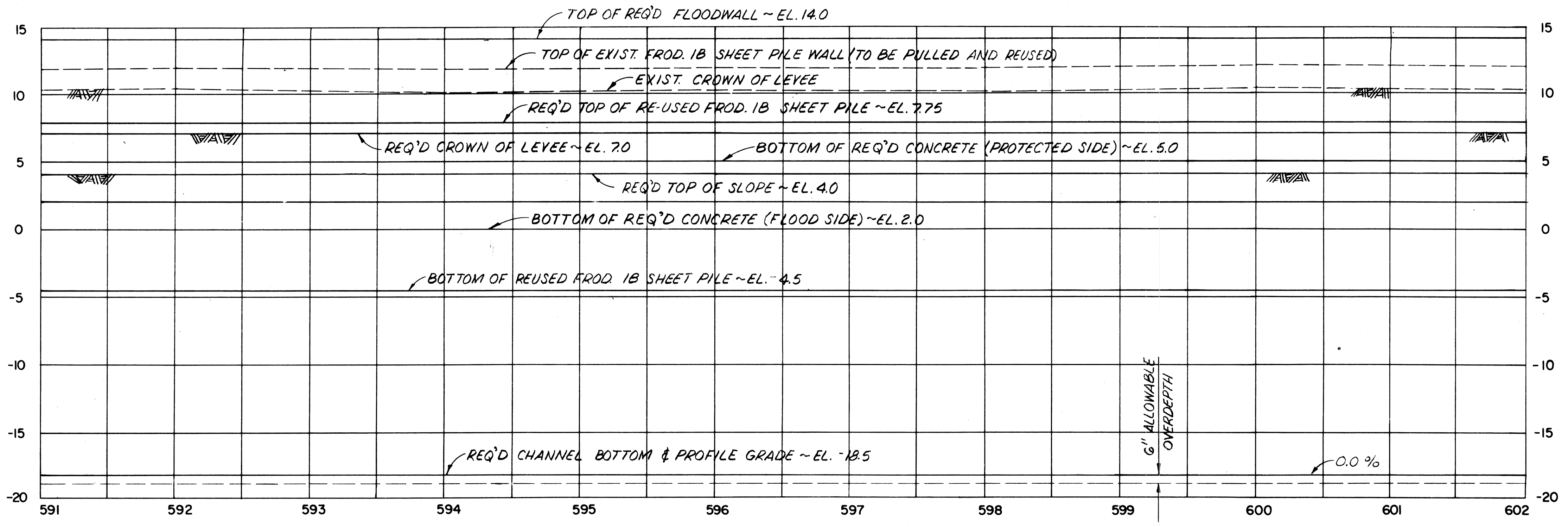
DESIGNED	FS	DRAWN BY	PMR
CHECKED	MLS	DATE	MAR 07%
DATE	REVISIONS	BY	DWG. NO. 8 OF

STATE PROJECT	PARISH	SHEET NO.



STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
592+00.0	27.5'LT	95.0'LT	9.0'LT	7.75	-4.5
592+06.8	27.5'LT	95.0'LT	9.0'LT	7.75	-4.5
594+00.0	28.0'LT	95.5'LT	9.5'LT	7.75	-4.5
596+00.0	28.5'LT	96.0'LT	10.0'LT	7.75	-4.5
598+00.0	30.5'LT	98.0'LT	12.0'LT	7.75	-4.5
600+00.0	32.5'LT	100.0'LT	14.0'LT	7.75	-4.5
602+00.0	34.5'LT	102.0'LT	16.0'LT	7.75	-4.5

▲ - SHEET PILE ANGLE PT.



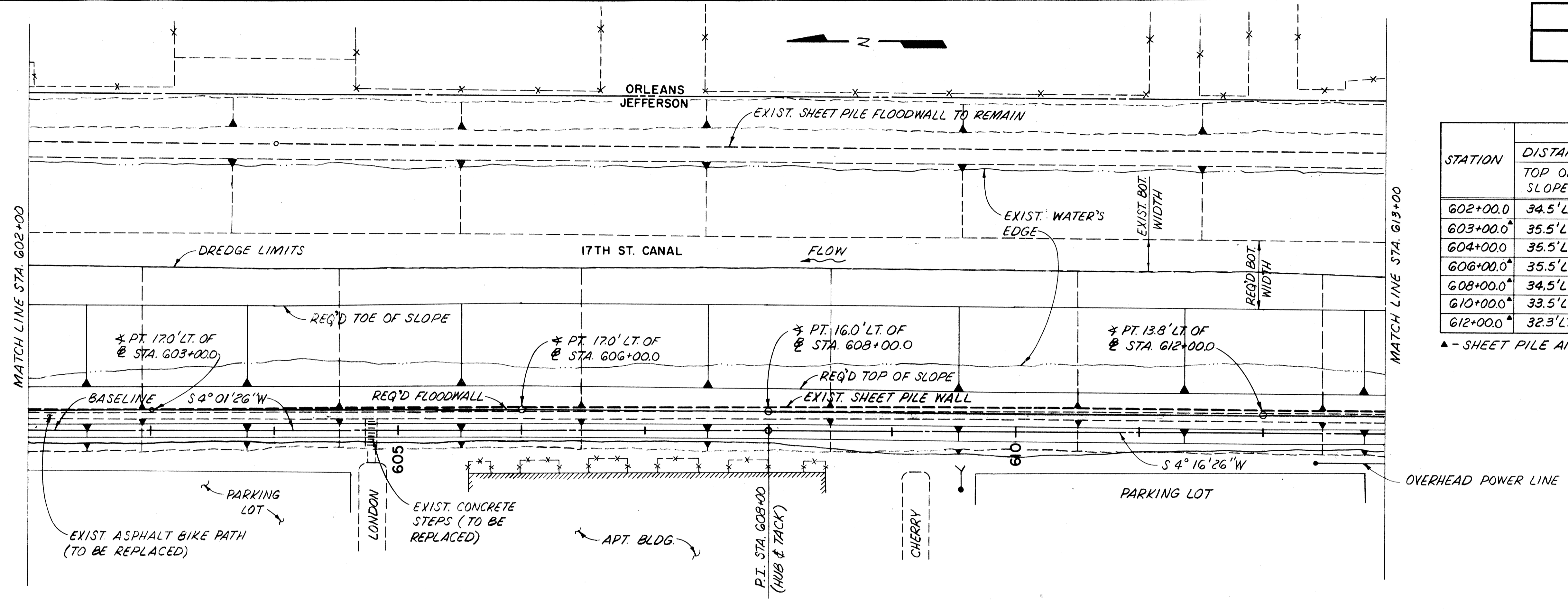
NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 3
 FOR CROSS-SECTIONS OF THIS CANAL
 REACH, SEE DWG. NOS. 45 THRU 47.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District
 17TH STREET CANAL
 PLAN AND PROFILE - 6

DESIGNED	ES	DRAWN BY	D.A.H.
CHECKED	MLS	DATE	MAR 1992
DATE		SCALE	AS NOTED
DESCRIPTION		DATE	
REVISIONS		DWG. NO.	9 OF

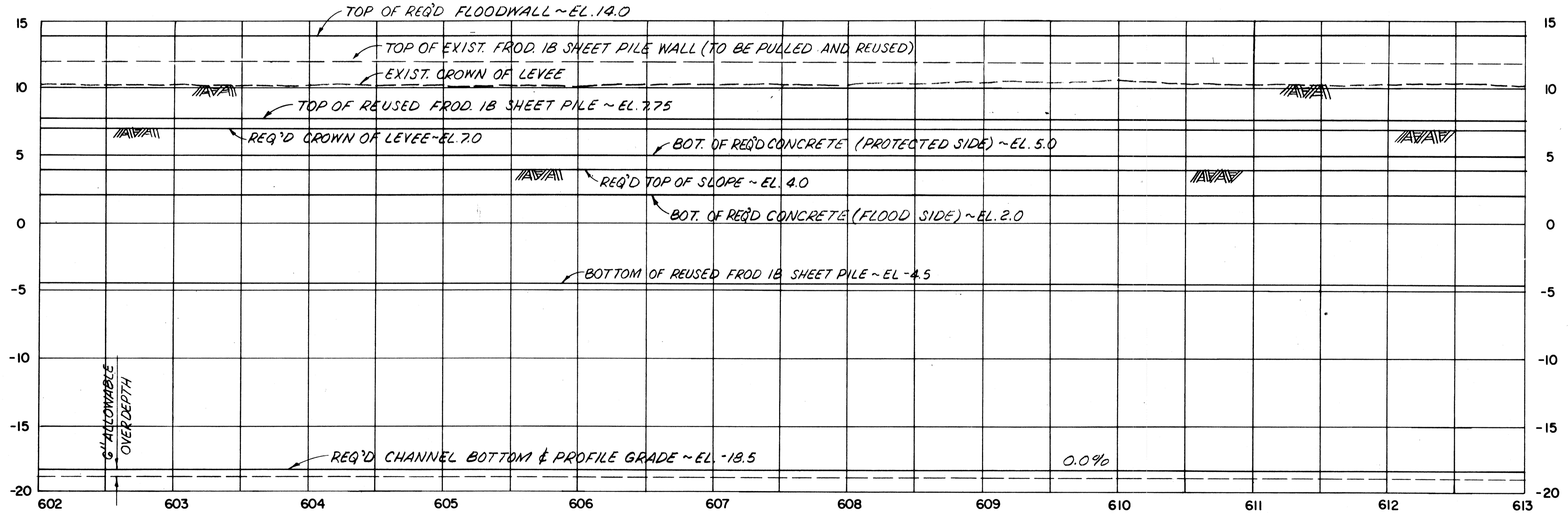
PROFILE
 SCALE: HOR. 1"=50'
 VERT. 1"=5'

STATE PROJECT	PARISH	SHEET NO.



STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT.)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
602+00.0	34.5'LT.	102.0'LT.	16.0'LT.	7.75	-4.5
603+00.0	35.5'LT.	103.0'LT.	17.0'LT.	7.75	-4.5
604+00.0	35.5'LT.	103.0'LT.	17.0'LT.	7.75	-4.5
606+00.0	35.5'LT.	103.0'LT.	17.0'LT.	7.75	-4.5
608+00.0	34.5'LT.	102.0'LT.	16.0'LT.	7.75	-4.5
610+00.0	33.5'LT.	101.0'LT.	15.0'LT.	7.75	-4.5
612+00.0	32.3'LT.	99.8'LT.	13.8'LT.	7.75	-4.5

▲ - SHEET PILE ANGLE PT.



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3
FOR CROSS-SECTIONS OF THIS CANAL REACH, SEE DWGS. NOS. 47 THRU 49.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

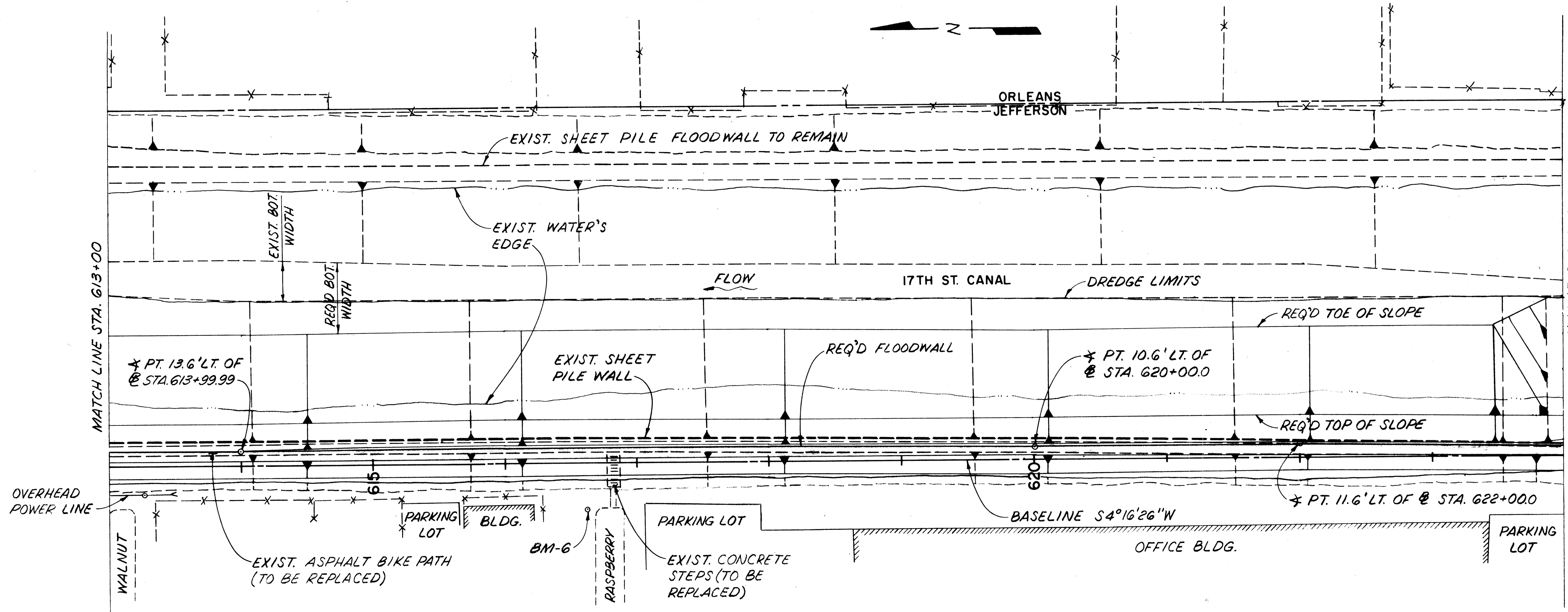
17TH STREET CANAL

PLAN AND PROFILE - 7

New Orleans		Louisiana		DRAWN BY D.A.H.
DESIGNED FS	DATE MAR 1992	SCALE AS NOTED		
CHECKED MLS	DATE	DWG. NO. 10	OF	

DATE PLOTTED: 11/05/92

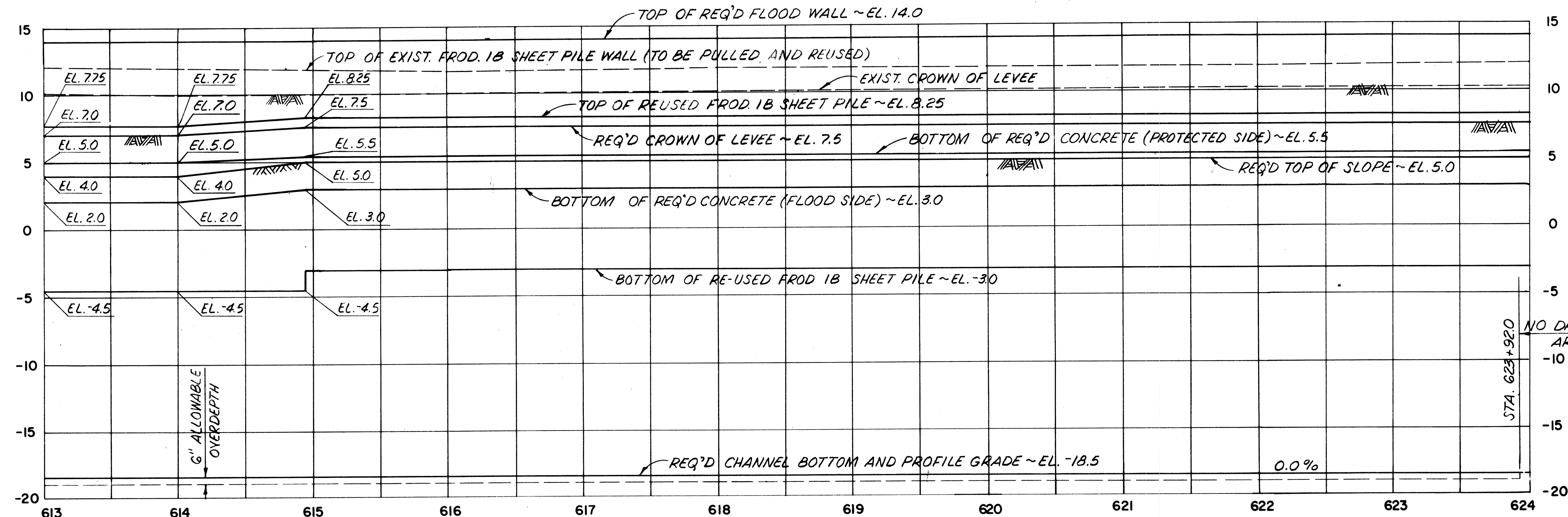
STATE PROJECT	PARISH	SHEET NO.



PLAN
SCALE: 1"=50'-0"

STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT.)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
613+99.9	32.1' LT.	99.6' LT.	13.6' LT.	7.75	-4.5
616+00.0	33.6' LT.	101.1' LT.	12.6' LT.	8.25	-3.0
618+00.0	32.6' LT.	100.1' LT.	11.6' LT.	8.25	-3.0
620+00.0	31.6' LT.	99.1' LT.	10.6' LT.	8.25	-3.0
622+00.0	32.6' LT.	100.1' LT.	11.6' LT.	8.25	-3.0
623+50.0	31.3' LT.	98.8' LT.	10.3' LT.	8.25	-3.0

▲ SHEET PILE ANGLE POINT FOR TRANSITION IN CROSS-SECTION AND SHEET PILE TIP ELEV. FROM STA. 613+99.9 TO STA. 614+94.4, SEE DWG. NO. 19.



PROFILE
SCALE: HOR. 1"=50'
VERT. 1"=5'

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR CROSS-SECTIONS OF THIS CANAL REACH, SEE DWGS. NOS. 49 THRU 51.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

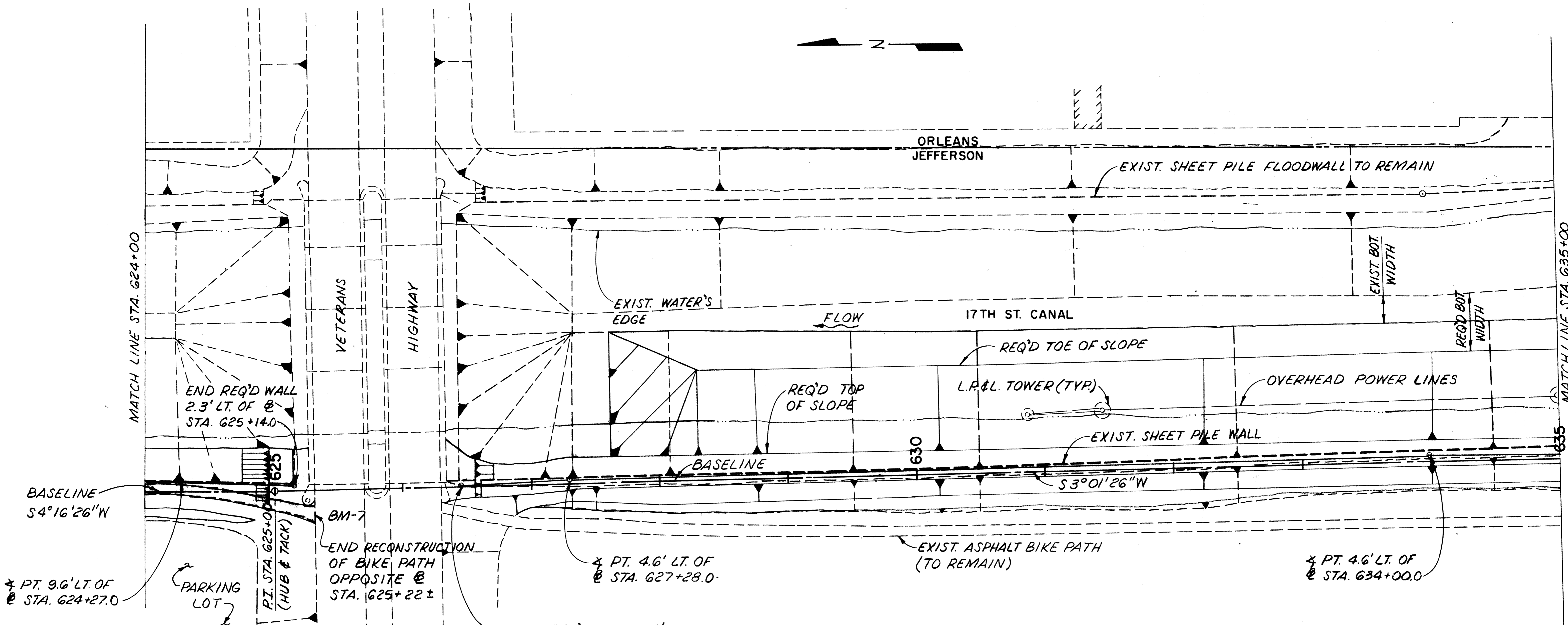
17TH STREET CANAL

PLAN AND PROFILE - 8

DESIGNED	FS	DRAWN BY	D.A.H.
CHECKED	MLS	SCALE	AS NOTED
DATE		DATE	MAR 1992
DESCRIPTION		DWG. NO.	11 OF

DATE	REVISIONS	BY

STATE PROJECT	PARISH	SHEET NO.

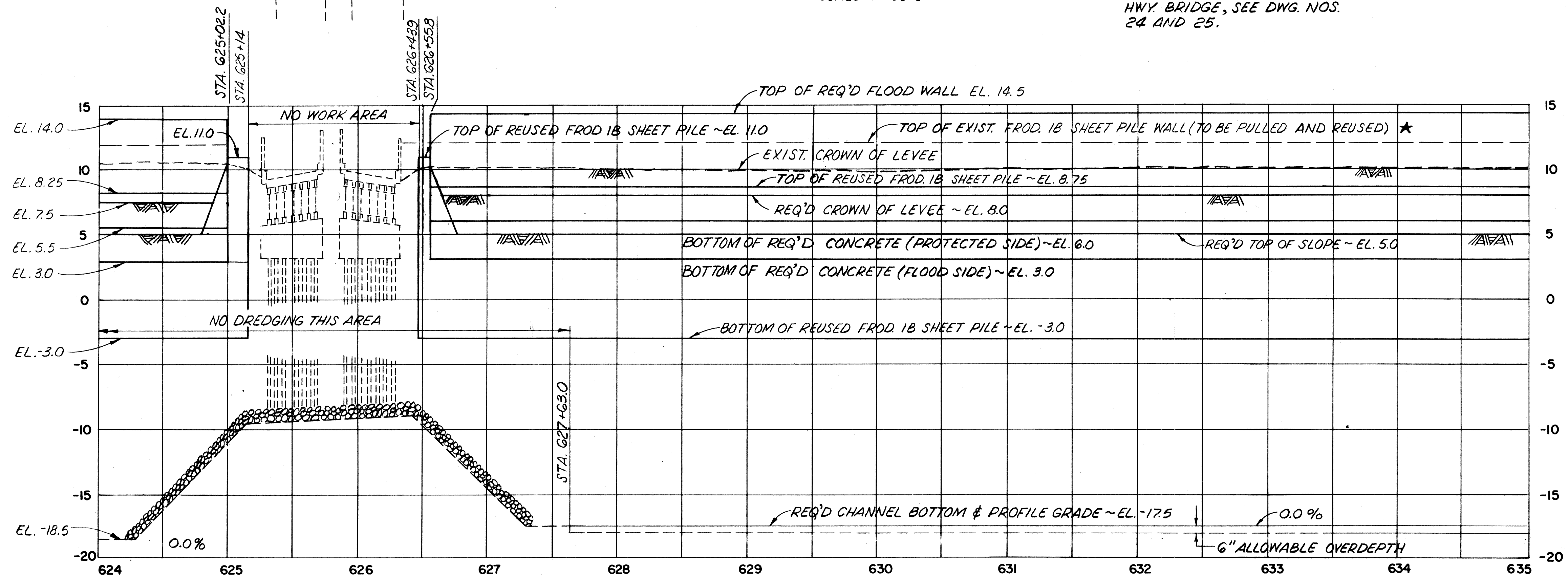


STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	Ø SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
624+270	10.5' LT.	26.0' LT.	9.6' LT.	8.25	-3.0
VETERANS HIGHWAY BRIDGES					
627+28.0	—	—	4.6' LT.	8.75	-3.0
627+33.0	—	—	4.6' LT.	8.75	-3.0
628+30.0	18.6' LT.	86.1' LT.	4.6' LT.	8.75	-3.0
630+00.0	18.6' LT.	86.1' LT.	4.6' LT.	8.75	-3.0
632+00.0	18.6' LT.	86.1' LT.	4.6' LT.	8.75	-3.0
634+00.0	18.6' LT.	86.1' LT.	4.6' LT.	8.75	-3.0

▲ SHEET PILE ANGLE POINT

PLAN
SCALE: 1" = 50'-0"

★ - FOR TREATMENT OF EXISTING SHEET PILE NEAR VETERANS HWY. BRIDGE, SEE DWG. NOS. 24 AND 25.



PROFILE
SCALE: HOR. 1" = 50'
VERT. 1" = 5'

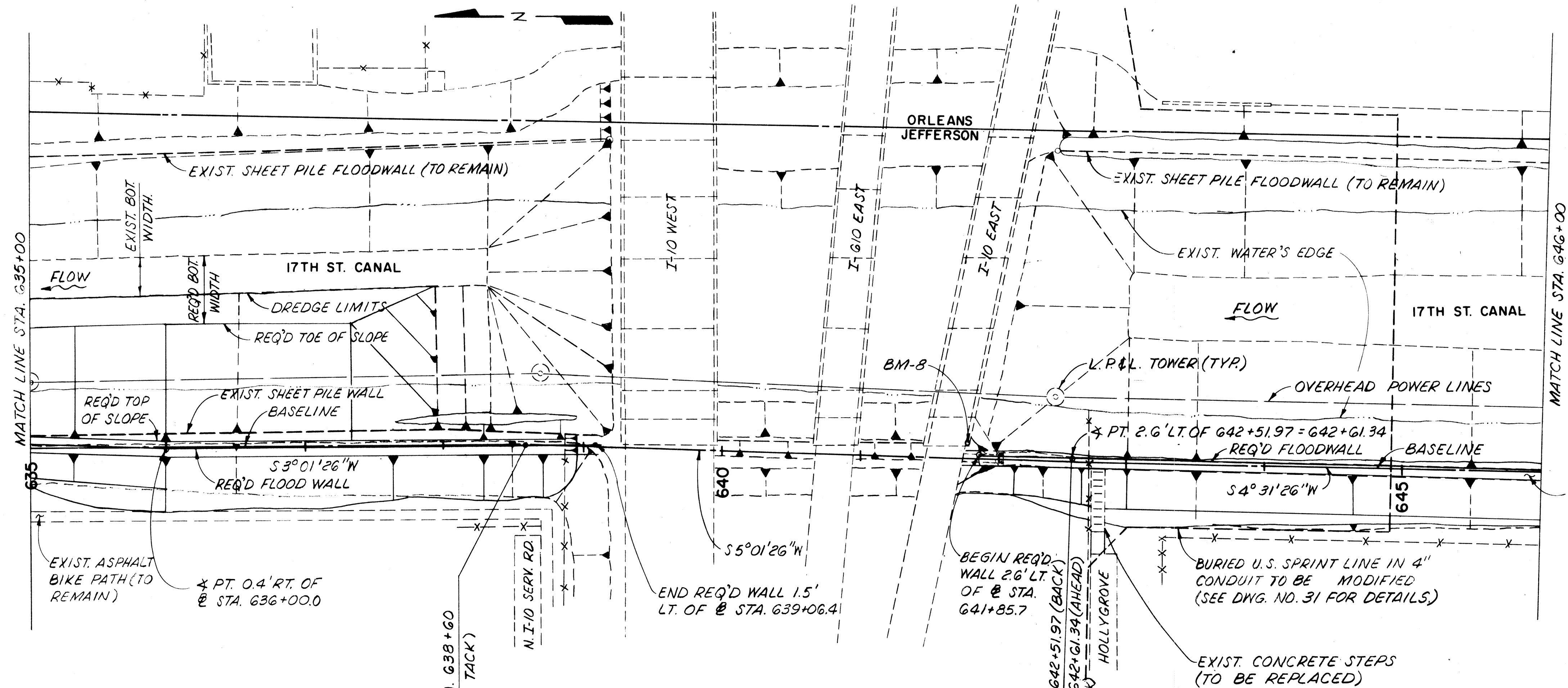
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR CROSS-SECTIONS OF THIS CANAL REACH, SEE DWG. NO. 51 THRU 53.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
PLAN AND PROFILE - 9

Modjeski & Masters New Orleans	Louisiana	DRAWN BY D.A.H. SCALE AS NOTED
DATE	DESCRIPTION	BY
DESIGNED FS	DATE MAR -1992	
CHECKED M.L.S.	CHECKED	DWG. NO. 12 OF

DATE	DESCRIPTION	BY

STATE PROJECT	PARISH	SHEET NO.

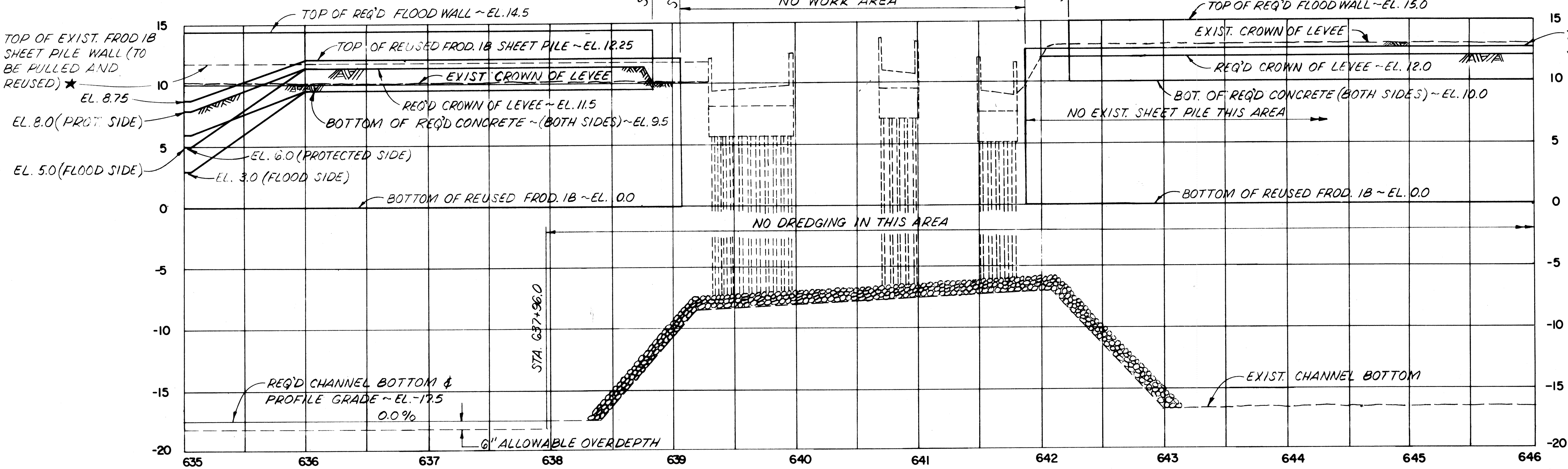


STATIONS	JEFFERSON SIDE				
	DIST. FROM BASELINE (FT.)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	¢ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
635+06.1	16.1'LT.	83.6'LT.	2.1'LT.	8.75	-3.0/0.0
636+00.6	2.0'LT.	88.6'LT.	0.4'RT.	12.25	0.0
637+30.0	2.0'LT.	88.6'LT.	0.4'RT.	12.25	0.0
638+26.0	2.0'LT.	15.0'LT.	0.4'RT.	12.25	0.0
INTERSTATE BRIDGES					
643+00.0			2.6'LT.	12.75	0.0
645+00.0			2.6'LT.	12.75	0.0

▲ SHEET PILE ANGLE PT. FOR LEVEE TRANSITION BETWEEN STA. 635+06.1 AND 636+00.6, 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. 54 THRU 56.
 REUSED FROD. 18 SHEET PILE IN THE REACH SOUTH OF INTERSTATE-10 ACQUIRED FROM EXIST. SHEET PILE PULLED BETWEEN STA. 553+30 AND STA. 590+00.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

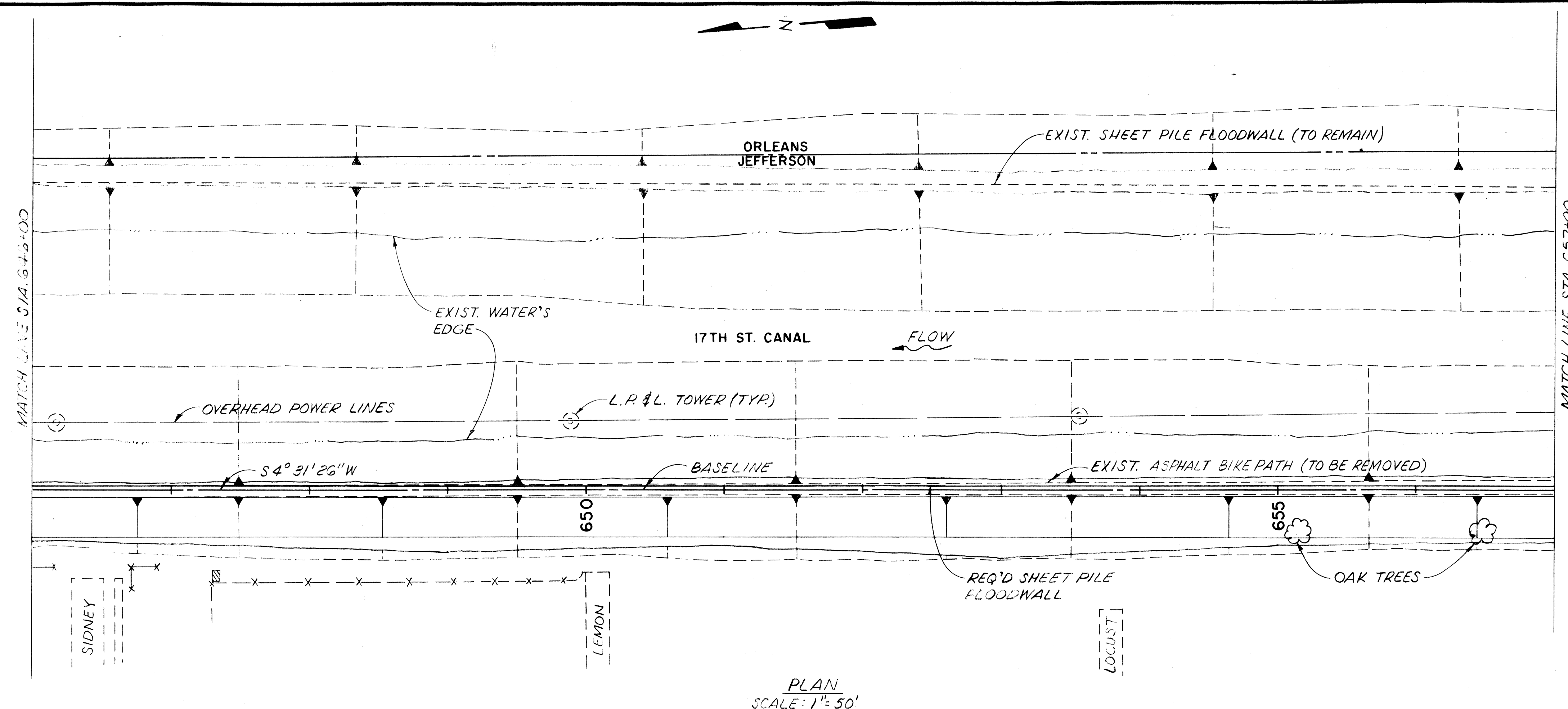
17TH STREET CANAL

PLAN AND PROFILE - 10

DATE	DESCRIPTION	BY	DESIGNED FS	DETAILED	DRAWN BY D.A.H.
	REVISIONS		CHECKED MLS	CHECKED	SCALE AS NOTED
					DATE MAR 1992
					DWG. NO. 13 OF

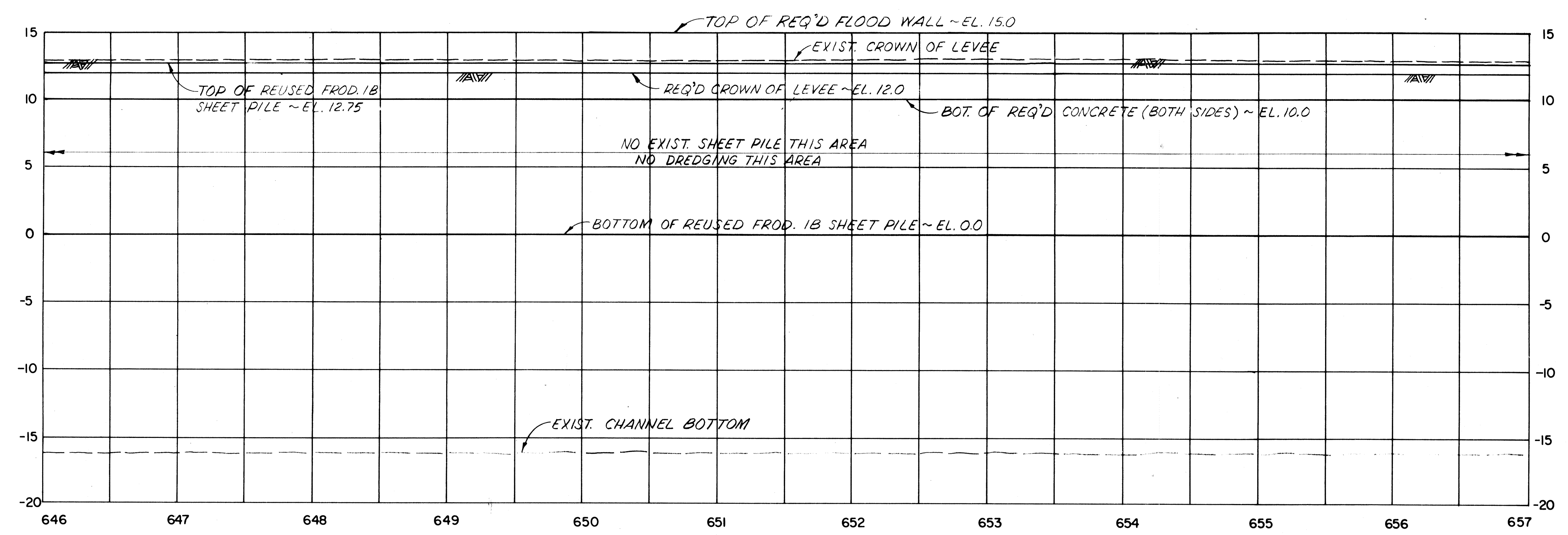
PROFILE SCALE: HOR. 1" = 50' VERT. 1" = 5'

STATE PROJECT	PARISH	SHEET NO.



PLAN
SCALE: 1" = 50'

STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT)		ELEVATION		
	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
647+00.0			2.6' LT.	12.75	0.0
649+00.0			2.6' LT.	12.75	0.0
651+00.0			2.6' LT.	12.75	0.0
653+00.0			2.6' LT.	12.75	0.0
657+00.0			2.6' LT.	12.75	0.0



PROFILE
SCALE: HOR. 1" = 50'-0"
VERT. 1" = 5'-0"

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3
FOR CROSS SECTIONS OF THIS CANAL REACH SEE DWG. NOS. 56 THRU 58.
REUSED FROD. 18 SHEET PILE IN THIS REACH ACQUIRED FROM SHEET PILE PULLED BETWEEN STA. 553+30 AND STA. 590+00.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

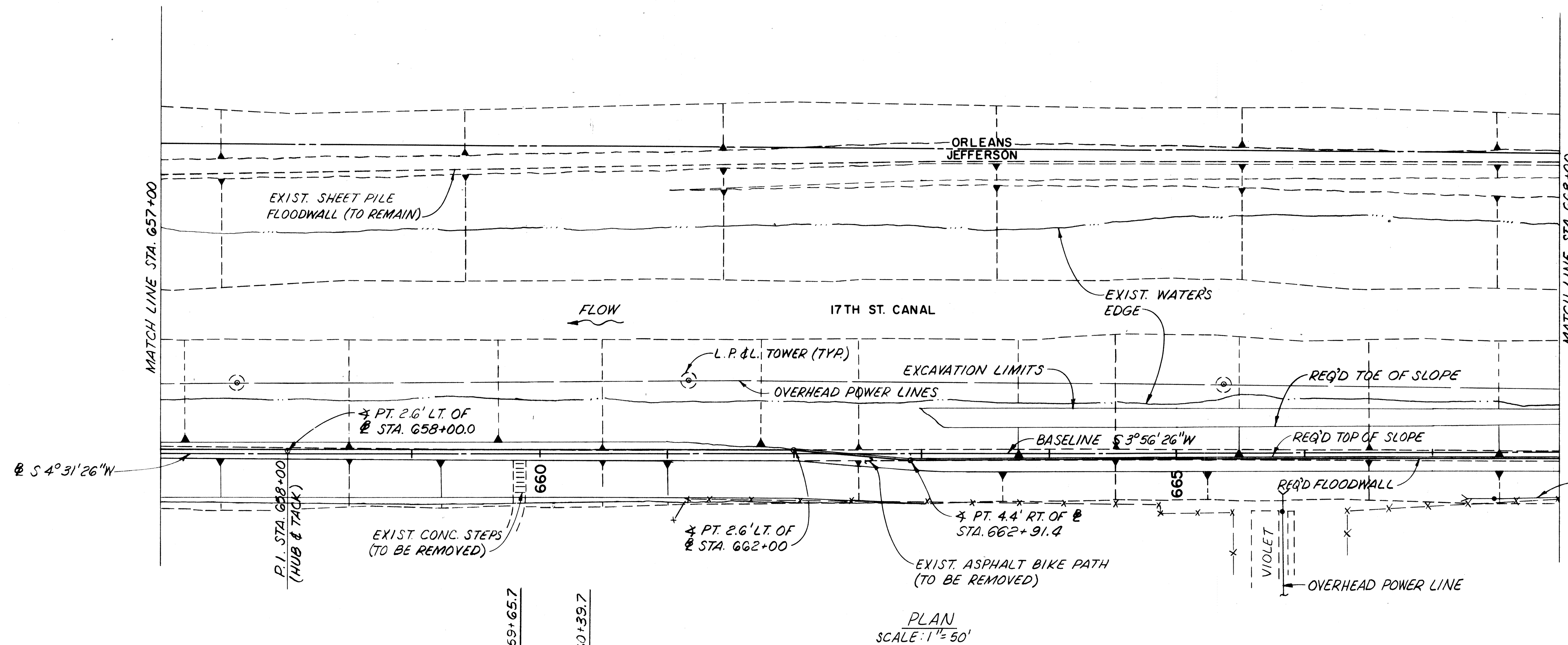
17TH STREET CANAL

PLAN AND PROFILE - II

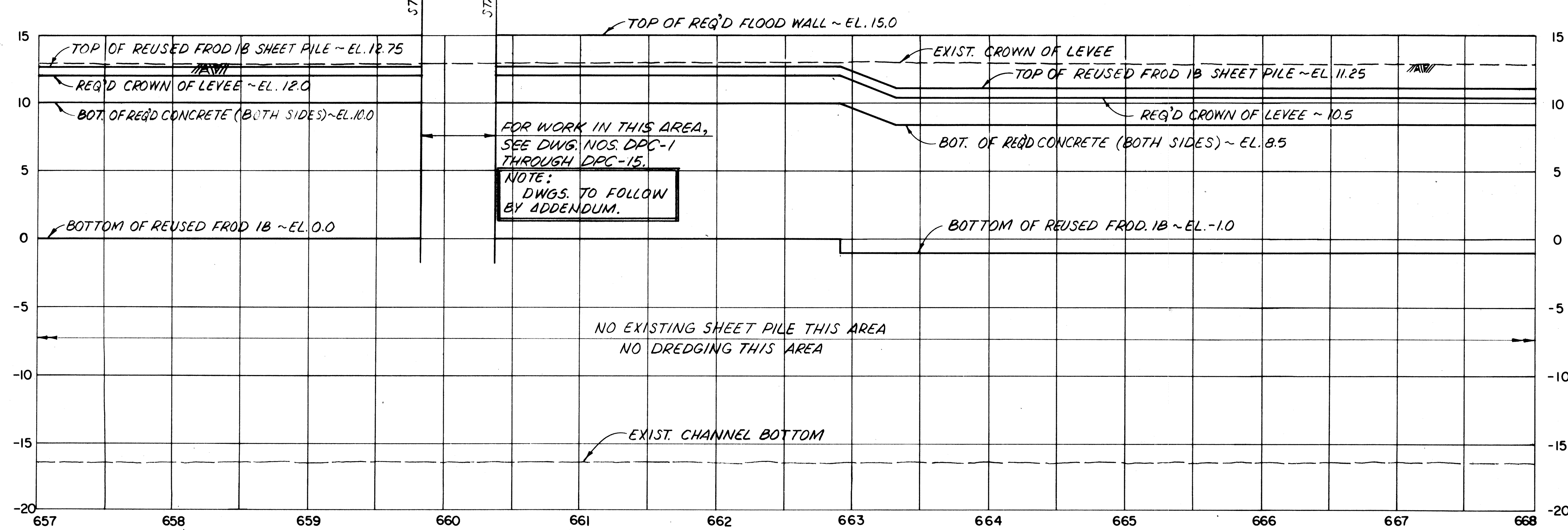
Modjeski & Masters		DRAWN BY D.A.H.	
New Orleans	Louisiana	SCALE AS NOTED	
DESIGNED FS	DATE MAR 1992	BY	
CHECKED MLS	CHECKED	DWS. NO. 14 OF	

DATE	DESCRIPTION	BY

STATE PROJECT	PARISH	SHEET NO.



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HOR. 1" = 50'
VERT. 1" = 5'

STATION	JEFFERSON SIDE				
	DISTANCE FROM BASELINE (FT.)			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	Ø SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
657+00.0	—	—	2.6' LT.	12.75	0.0
658+00.0	—	—	2.6' LT.	12.75	0.0
659+00.0	—	—	2.6' LT.	12.75	0.0
661+00.0	—	—	2.6' LT.	12.75	0.0
662+00.0	—	—	2.6' LT.	12.75	0.0
662+91.4	—	—	4.4' RT.	11.25	0.0/-1.0
665+00.0	3.5' RT.	22.0' LT.	4.4' RT.	11.25	-1.0
667+00.0	3.5' RT.	22.0' LT.	4.4' RT.	11.25	-1.0

▲ SHEET PILE ANGLE POINT
FOR LEVEE TRANSITION BETWEEN STA. 662+91.4 AND STA. 663+22.9, SEE DWG. NO. 21.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR CROSS-SECTIONS OF THIS CANAL REACH SEE DWG. NOS. 58 & 59.
REUSED FROD. 1B SHEET PILE IN THIS REACH ACQUIRED FROM EXIST. SHEET PILE PULLED BETWEEN STA. 553+30 AND STA. 590+00.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

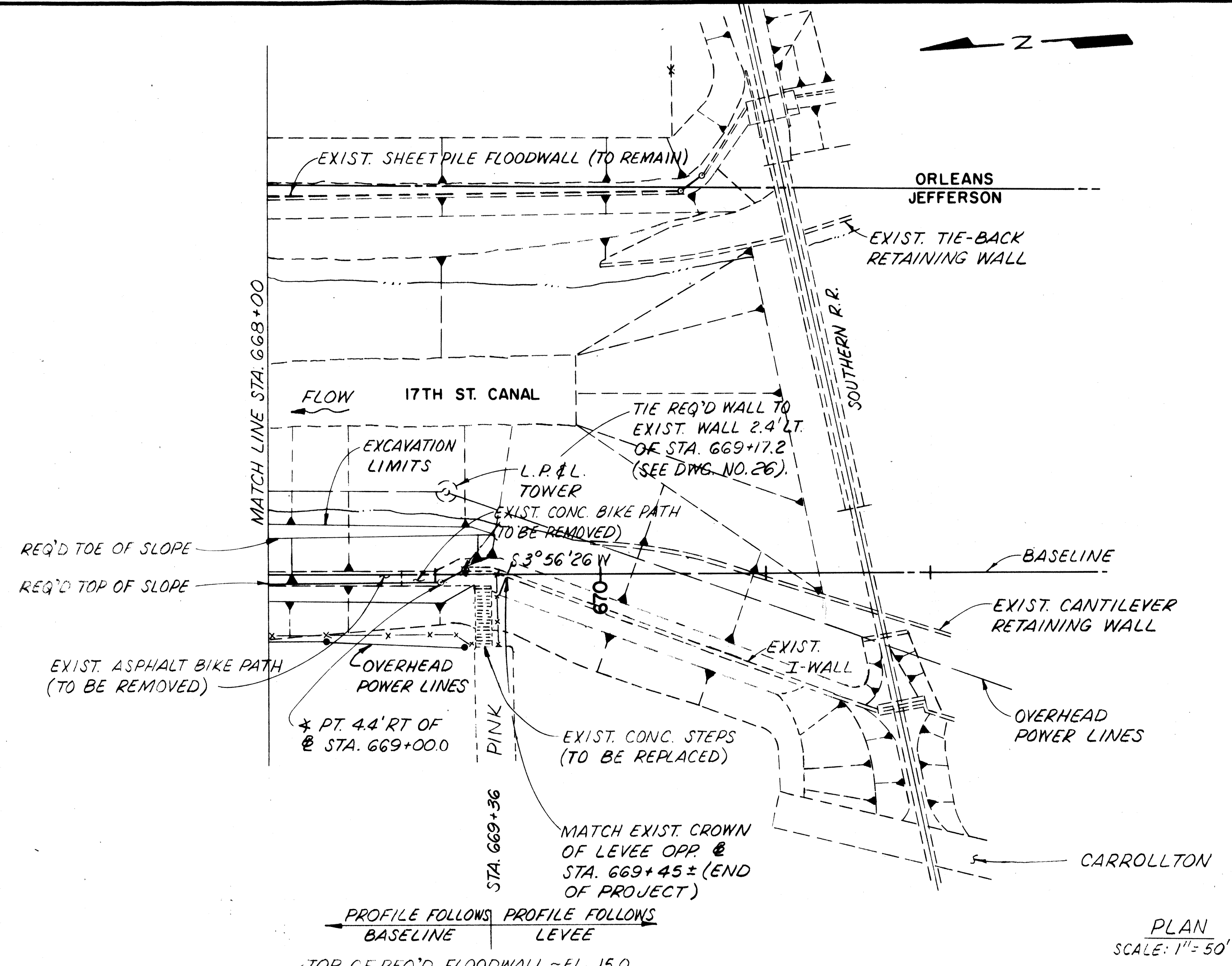
17TH STREET CANAL

PLAN AND PROFILE - 12

Modjess & Masters New Orleans Louisiana		DRAWN BY D.A.H. SCALE AS NOTED
DESIGNED FS	Detailed	DATE MAR 1992
CHECKED MLC	CHECKED	DWG. NO. 15 OF

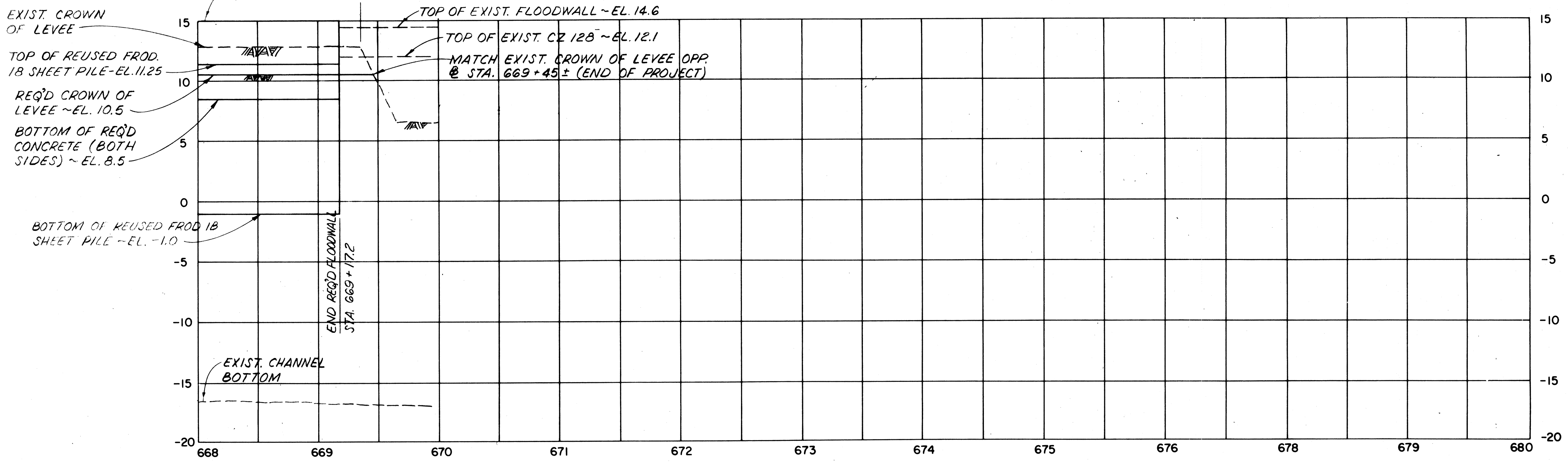
DATE	DESCRIPTION	BY
	REVISIONS	

STATE PROJECT	PARISH	SHEET NO.



STATION	JEFFERSON SIDE			ELEVATION	
	TOP OF SLOPE	TOE OF SLOPE	@ SHEET PILE	TOP OF SHEET PILE	TIP OF SHEET PILE
669+00.0	3.5' RT.	22.0' LT.	4.4' RT.	11.25	-1.0
669+17.2	3.3' LT.	28.8' LT.	2.4' LT.	11.25	-1.0

▲ SHEET PILE ANGLE POINT



NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 3.
 FOR CROSS SECTIONS OF THIS CANAL REACH SEE DWG. NO. 60.
 REUSED FROD. 18 SHEET PILE FOR THIS REACH ACQUIRED FROM EXIST. SHEET PILE PULLED BETWEEN STA. 553+30 AND STA. 590+00.

The Board of Levee Commissioners
 OF THE
East Jefferson Levee District

17TH STREET CANAL

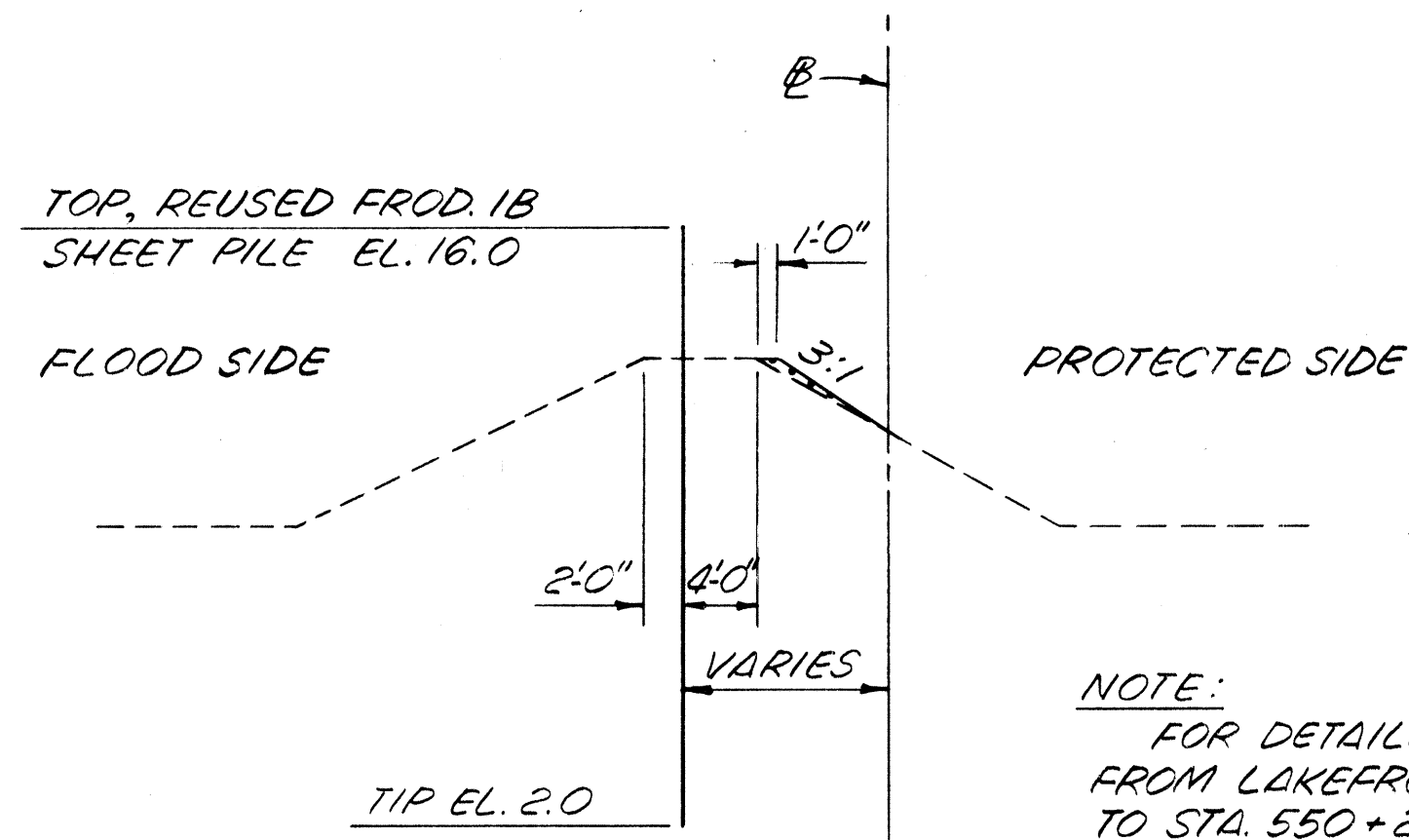
PLAN AND PROFILE - 13

New Orleans		Louisiana		DRAWN BY D.A.H.
McQuaid & Masters				SCALE AS NOTED
DATE	DESCRIPTION	BY	CHECKED	DATE
	REVISIONS			

PROFILE
 SCALE: HOR. 1" = 50'
 VERT. 1" = 5'

DATE PLOTTED

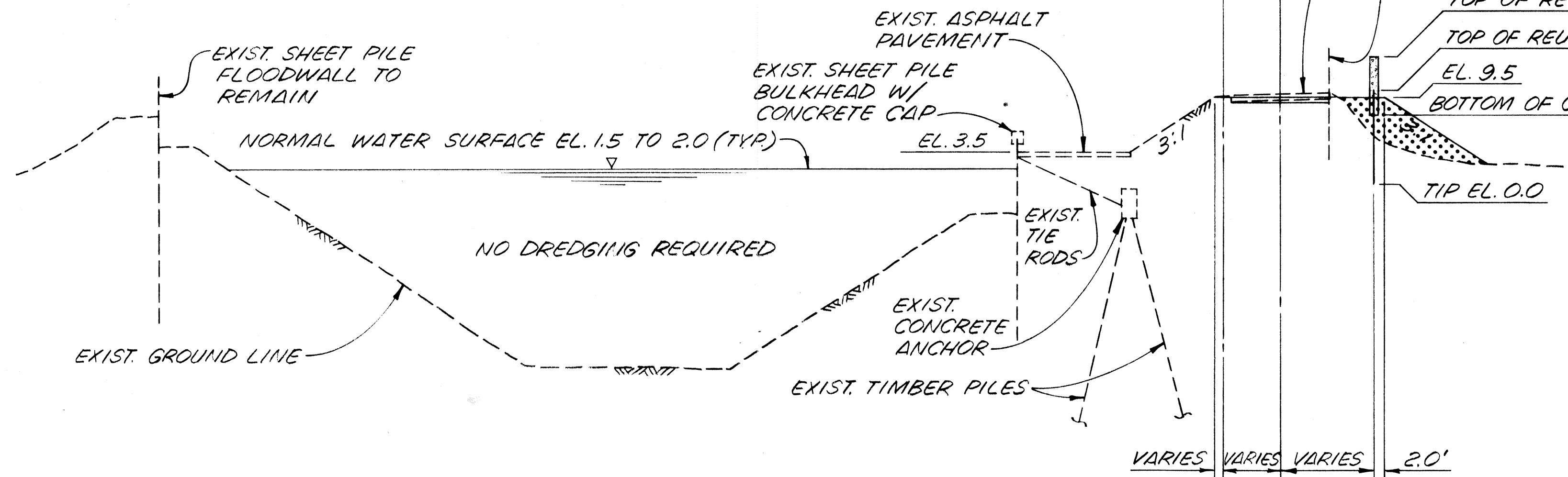
STATE PROJECT	PARISH	SHEET NO.



NOTE:
FOR DETAILS OF CONCRETE FLOODWALL
FROM LAKEFRONT LEVEE STA. 549+51.0
TO STA. 550+22.1, SEE DWG. NO. 23.

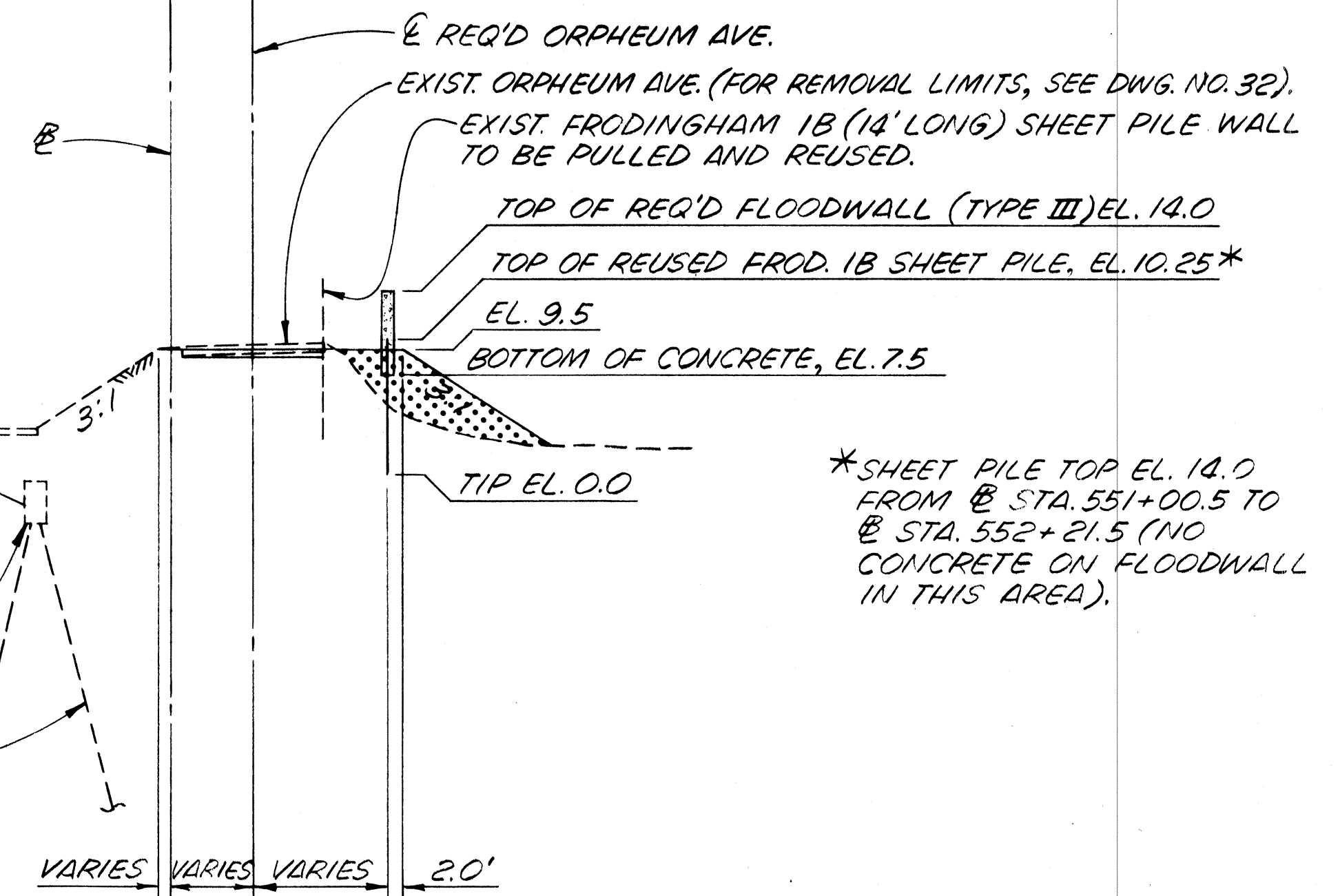
LAKEFRONT LEVEE STA. 547+66.2 TO STA. 549+13.0

SCALE: HORIZ. - 1" = 10'-0"
VERT. - 1" = 5'-0"



STA. 549+94.1 TO STA 552+21.5

SCALE: HORIZ. - 1" = 20'
VERT. - 1" = 10'



*SHEET PILE TOP EL. 14.0
FROM @ STA. 551+00.5 TO
@ STA. 552+21.5 (NO
CONCRETE ON FLOODWALL
IN THIS AREA).

LEGEND

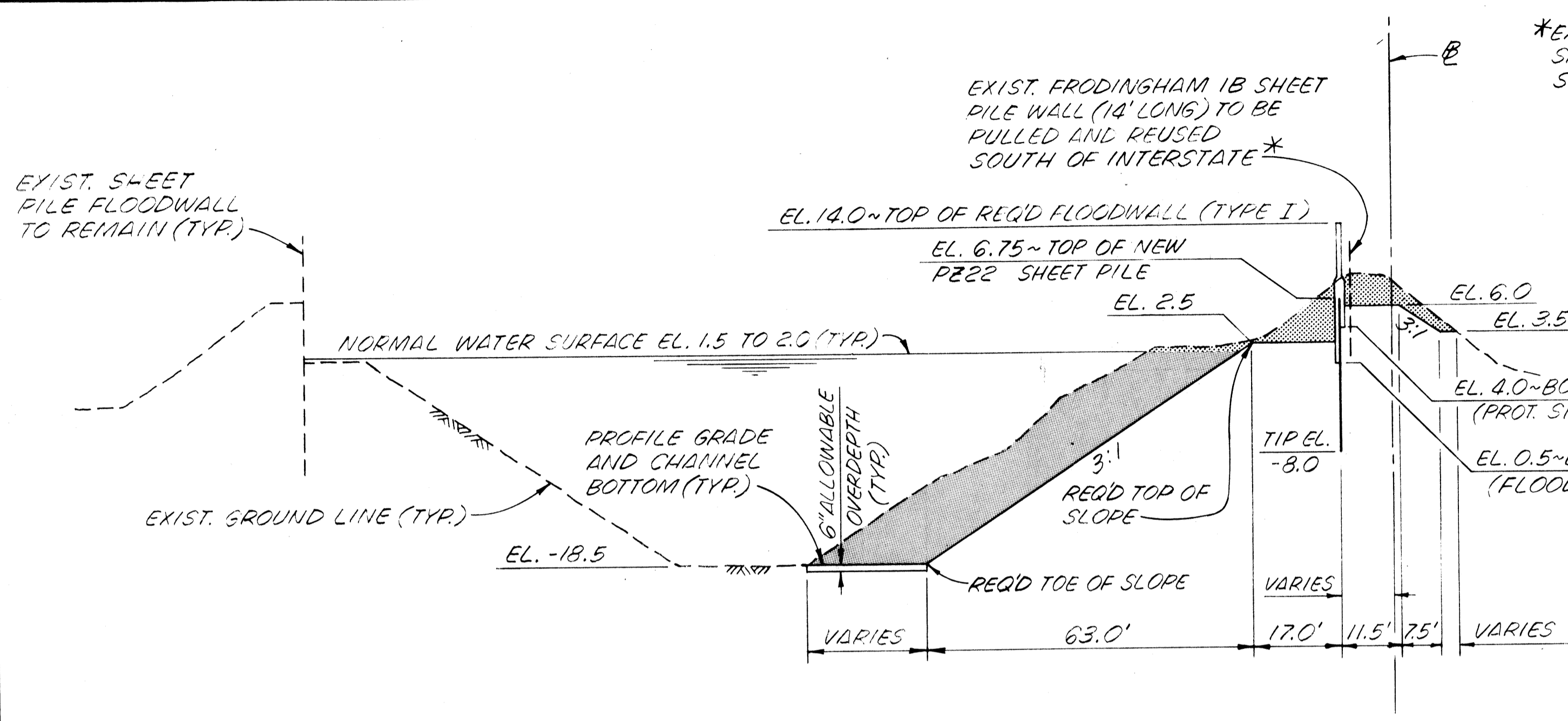
- EXCAVATION
- FILL
- DREDGE

NOTES:
ELEVATIONS REFER TO N.G.V.D.
CROSS-SECTIONS ARE SHOWN LOOKING
UPSTREAM.
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR DETAIL SECTIONS OF THIS REACH,
SEE DWG. NOS. 34 THRU 37.
FOR BASELINE OFFSETS, SEE DWG.
NOS. 4 THRU 5.
FOR FLOODWALL INFORMATION IN
THIS AREA, SEE DWG. NO. 23.

NORTH OF HAMMOND HWY.
The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
LEVEE
TYPICAL SECTIONS - I

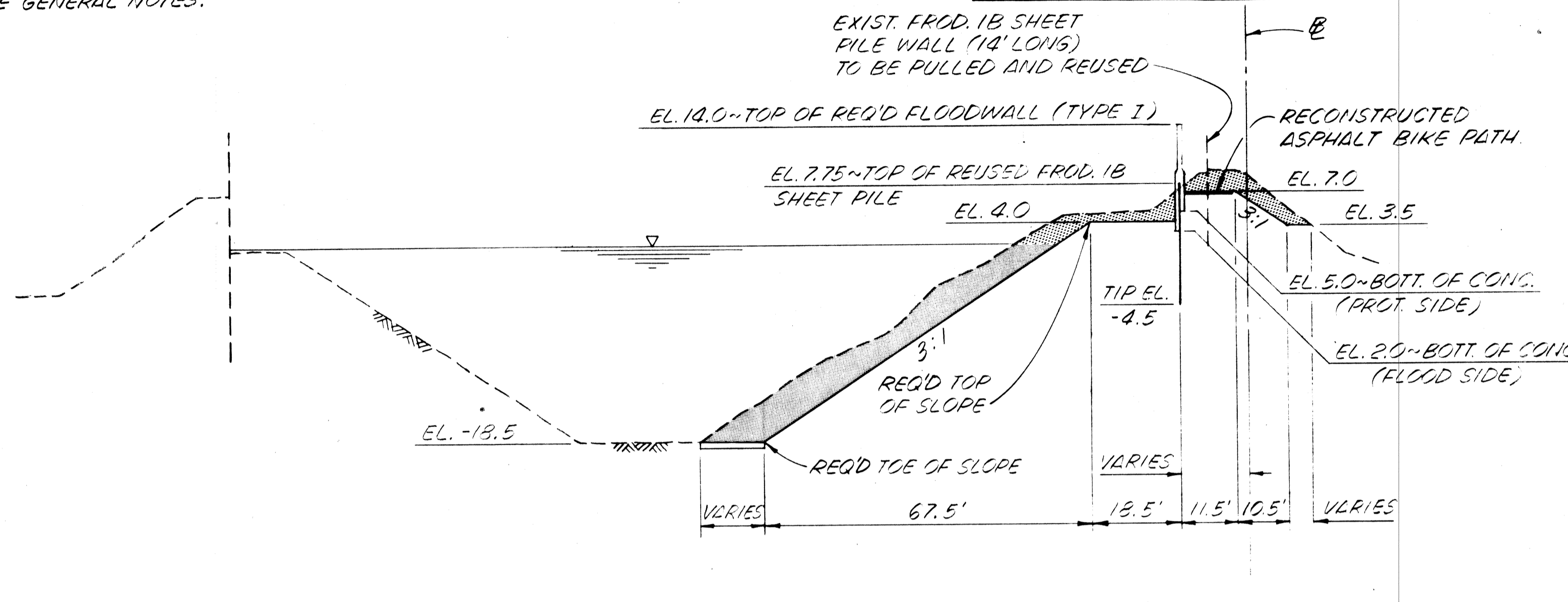
DESIGNED	DATE	BY	DESIGNED	DATE	BY	DRAWN BY	SCALE
						PMR	AS NOTED
CHECKED			CHECKED				1992
							DWG. NO. 17 OF

STATE PROJECT	PARISH	SHEET NO.



STA. 554+40 TO STA. 587+99.1
SCALE: HORIZ - 1" = 20'
VERT. - 1" = 10'

*EXCESS FRODINGHAM 18 SHEET PILE SHALL BE HAULED TO THE STORAGE SITE SPECIFIED IN THE GENERAL NOTES.

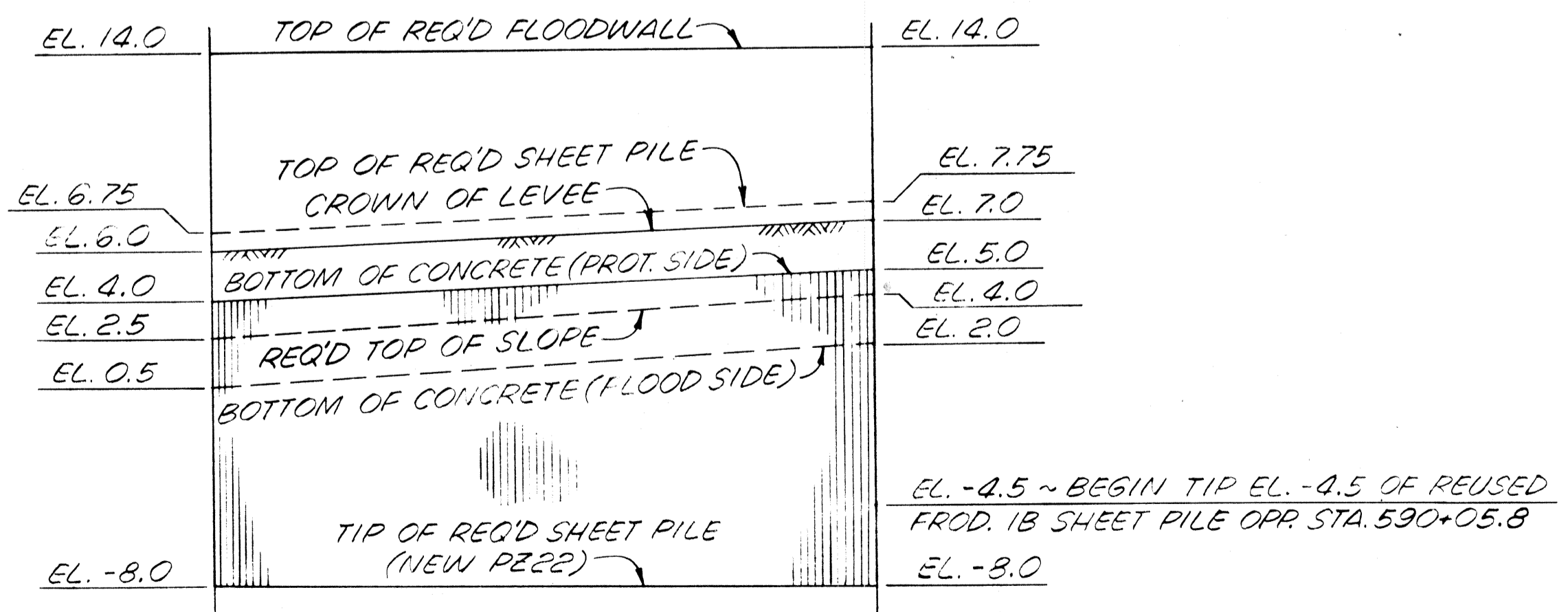
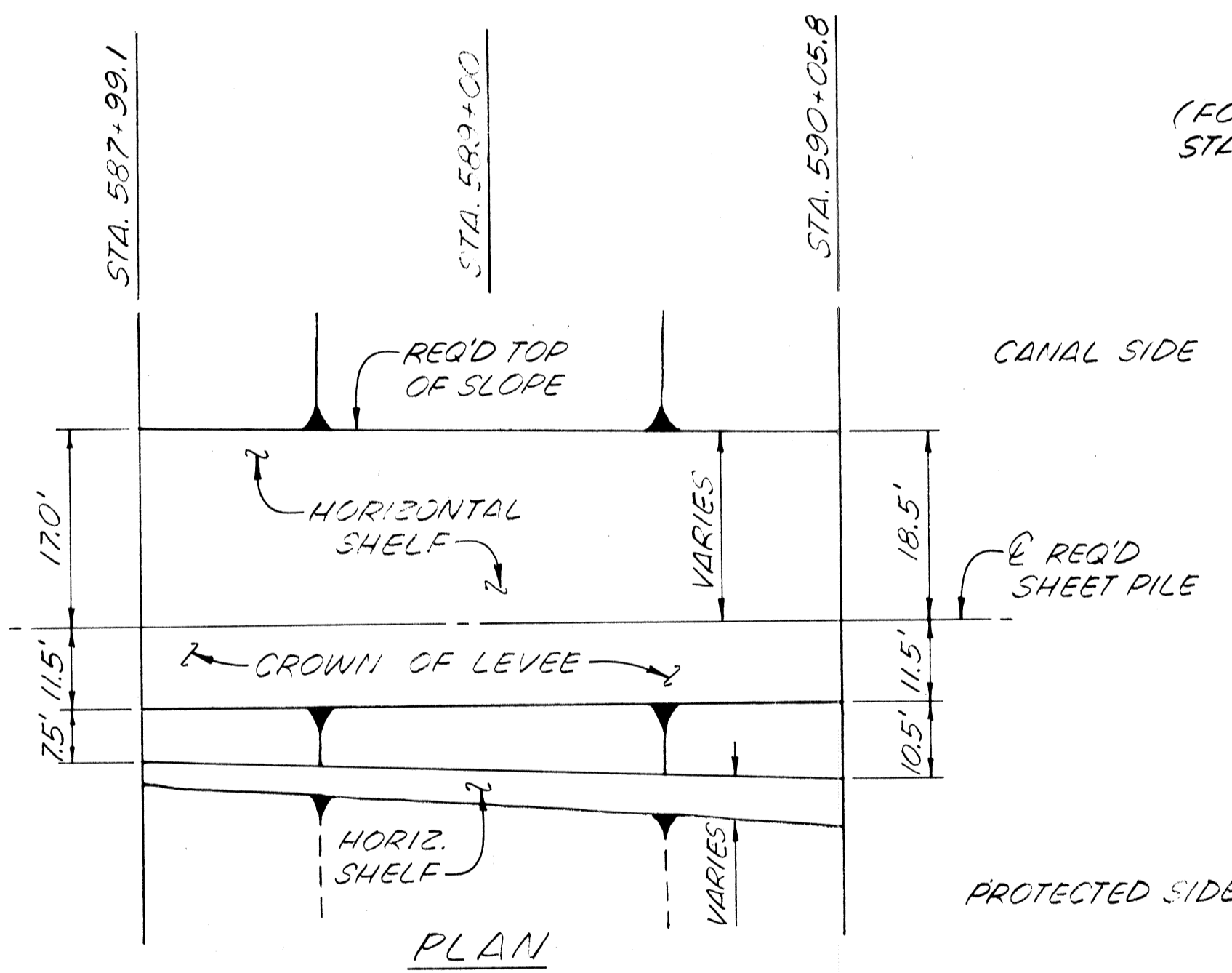


STA. 590+05.8 TO STA. 613+99.9
SCALE: HORIZ - 1" = 20'
VERT. - 1" = 10'

(FOR DETAILS OF RECONSTRUCTED BIKE PATH FROM STA. 590+38 TO STA. 614+00, SEE DWG. 110.19)

LEGEND

- EXCAVATION
- FILL
- DREDGING



TRANSITION FROM STA. 587+99.1 TO STA. 590+05.8
NO SCALE

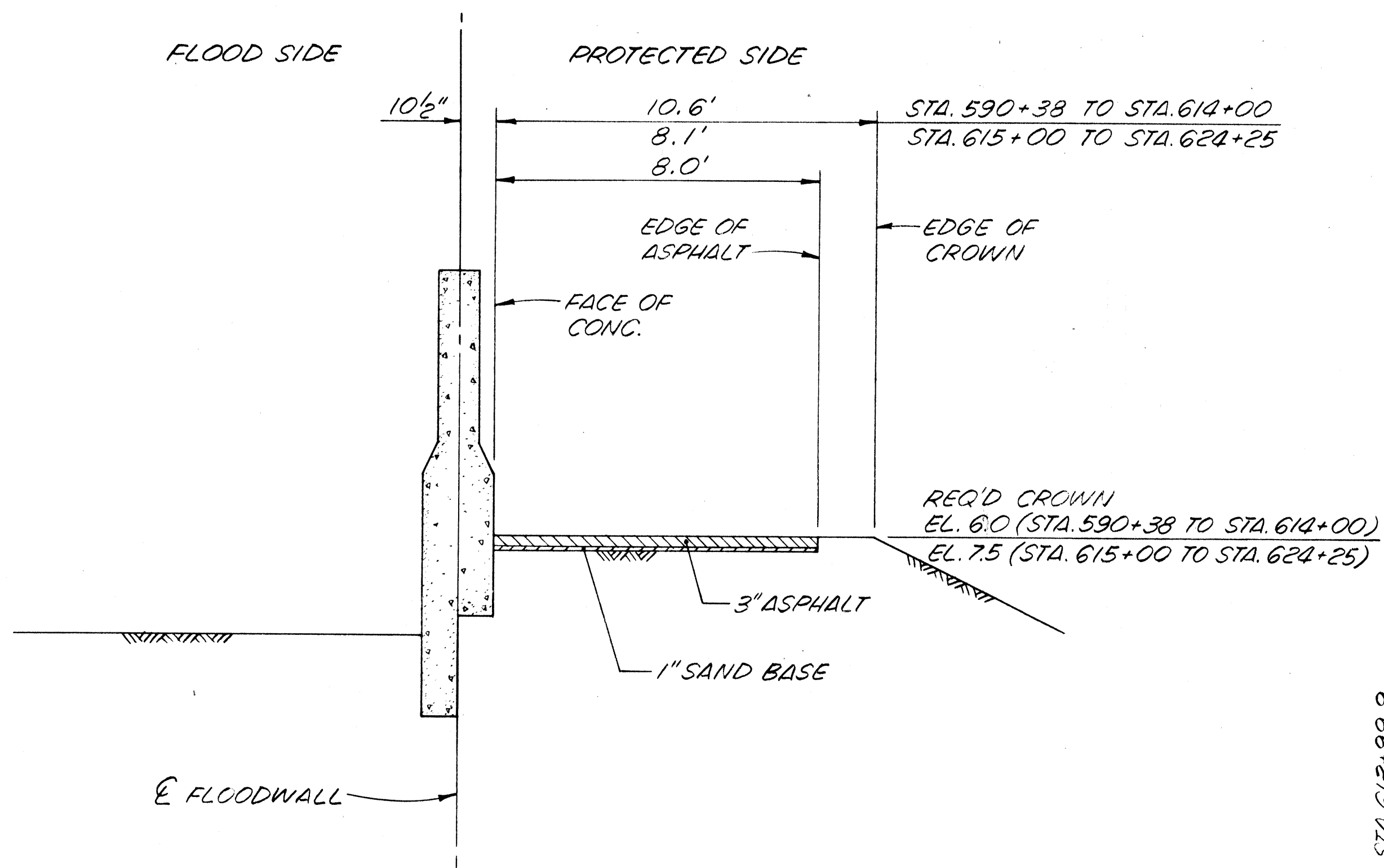
NOTES:
ELEVATIONS REFER TO M.S.V.D.
CROSS SECTIONS ARE SHOWN LOOKING UPSTATION.
FOR GENERAL NOTES, SEE DWG. 110.3.
FOR DETAIL SECTIONS OF THIS CANAL REACH, SEE DWG. 110.39 THRU 49.
FOR BASELINE OFFSETS, SEE DWG. 110.5 THRU 11.
FOR TRANSITION FROM STA. 613+99.9 TO STA. 614+90.0 AND TYPICAL SECTION FROM STA. 614+94.4 TO STA. 623+50, SEE DWG. 110.19.
FOR FLOODWALL INFORMATION IN THIS AREA, SEE DWG. 110.20.

HAMMOND HWY. TO VETERANS HWY. - I

The Board of Vevee Commissioners
OF THE
East Jefferson Vevee District
17TH STREET CANAL
LEVEE
TYPICAL SECTIONS - 2

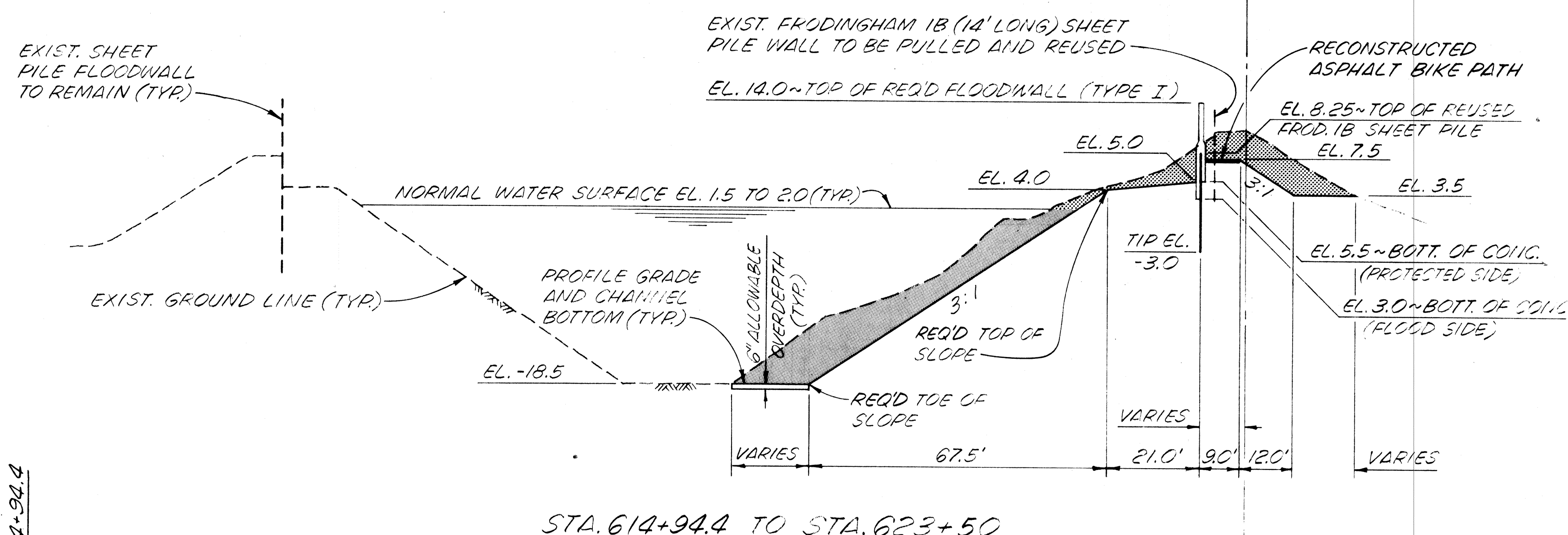
DESIGNED	FS	DATE	MAR 1972
CHECKED	FS	DWG. NO.	18 OF

STATE PROJECT	PARISH	SHEET NO.



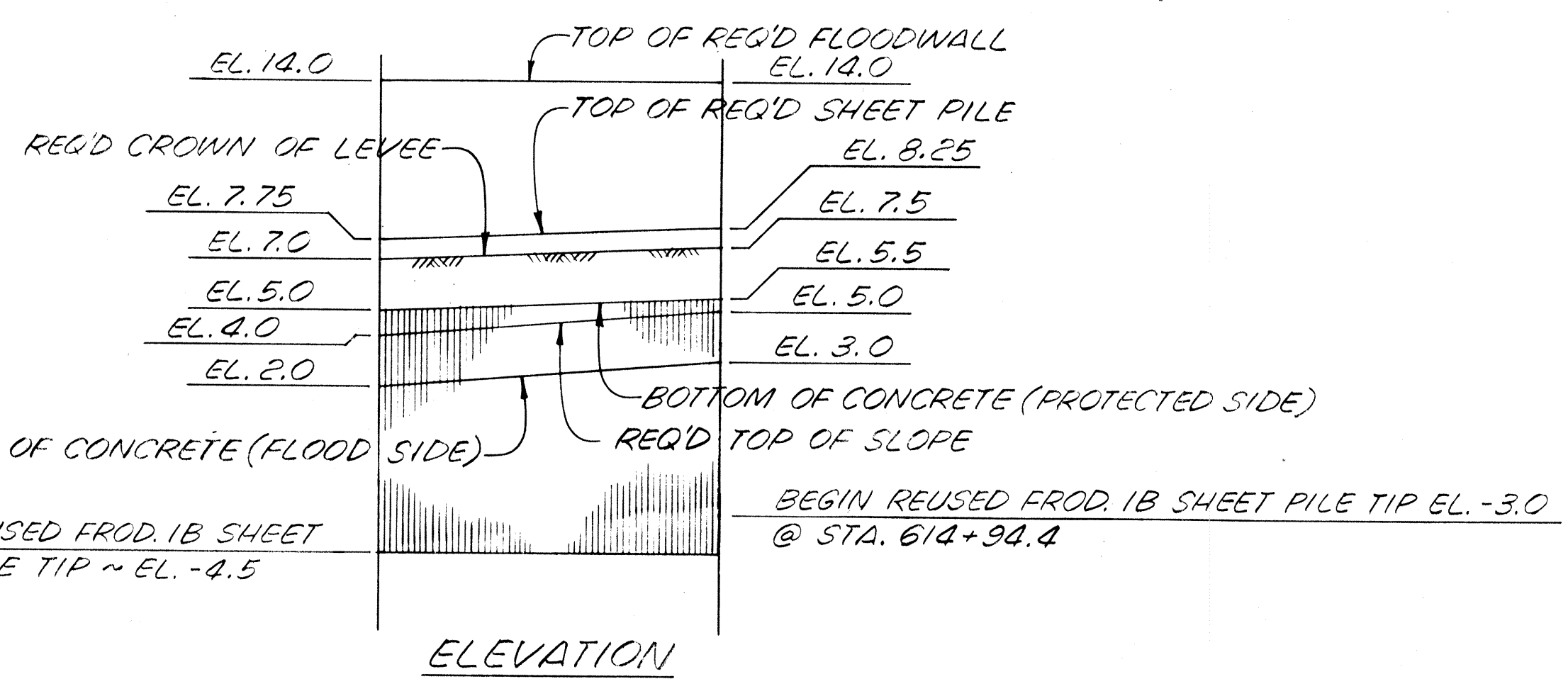
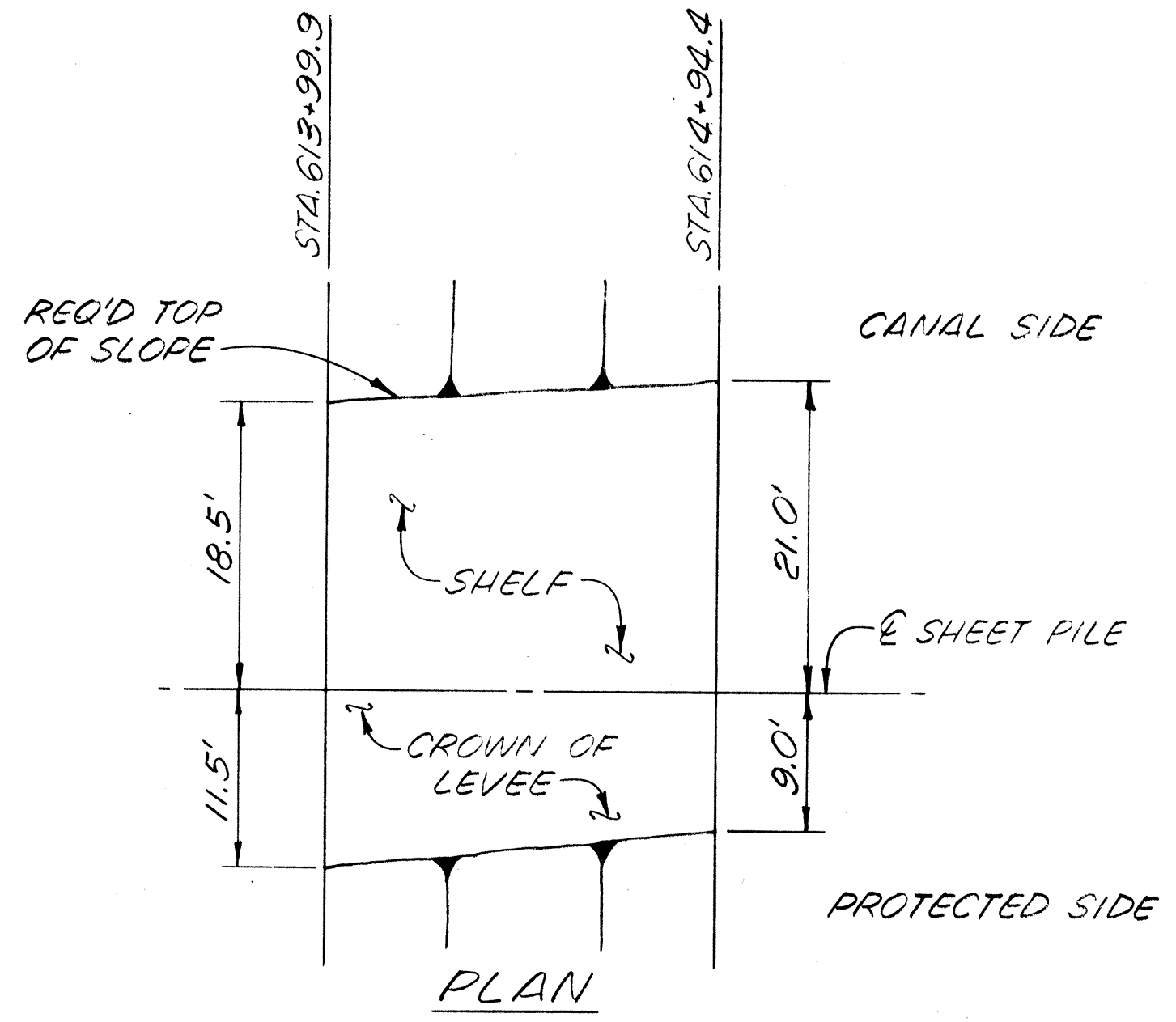
DETAILS OF RECONSTRUCTED BIKE PATH
 LOOKING UPSTATION
 STA. 590+38 TO STA. 624+25
 SCALE: 3/8" = 1'-0"

(FOR REQ'D MATERIALS, SEE SECTION 9-05 OF THE CONTRACT SPECIFICATIONS)
 (BIKE PATH FROM STA. 624+25 TO STA. 625+22 TO BE IN EXISTING LOCATION.)



STA. 614+94.4 TO STA. 623+50
 SCALE: HORIZ. - 1" = 20'
 VERT. - 1" = 10'
 (FOR DETAILS OF RECONSTRUCTED BIKE PATH FROM STA. 615+00 TO STA. 625+22, SEE DETAIL, THIS SHEET)

- LEGEND:**
- EXCAVATION
 - FILL
 - DREDGING



TRANSITION FROM STA. 613+99.9 TO STA. 614+94.4
 NO SCALE

NOTES:
 ELEVATIONS REFER TO N.G.V.D.
 CROSS SECTIONS ARE SHOWN LOOKING UPSTATION.
 FOR GENERAL NOTES, SEE DWG. NO. 3.
 FOR DETAIL SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 50 THRU 51.
 FOR BASELINE OFFSETS, SEE DWG. NO. 11.
 FOR FLOODWALL INFORMATION IN THIS AREA, SEE DWG. NO. 24.

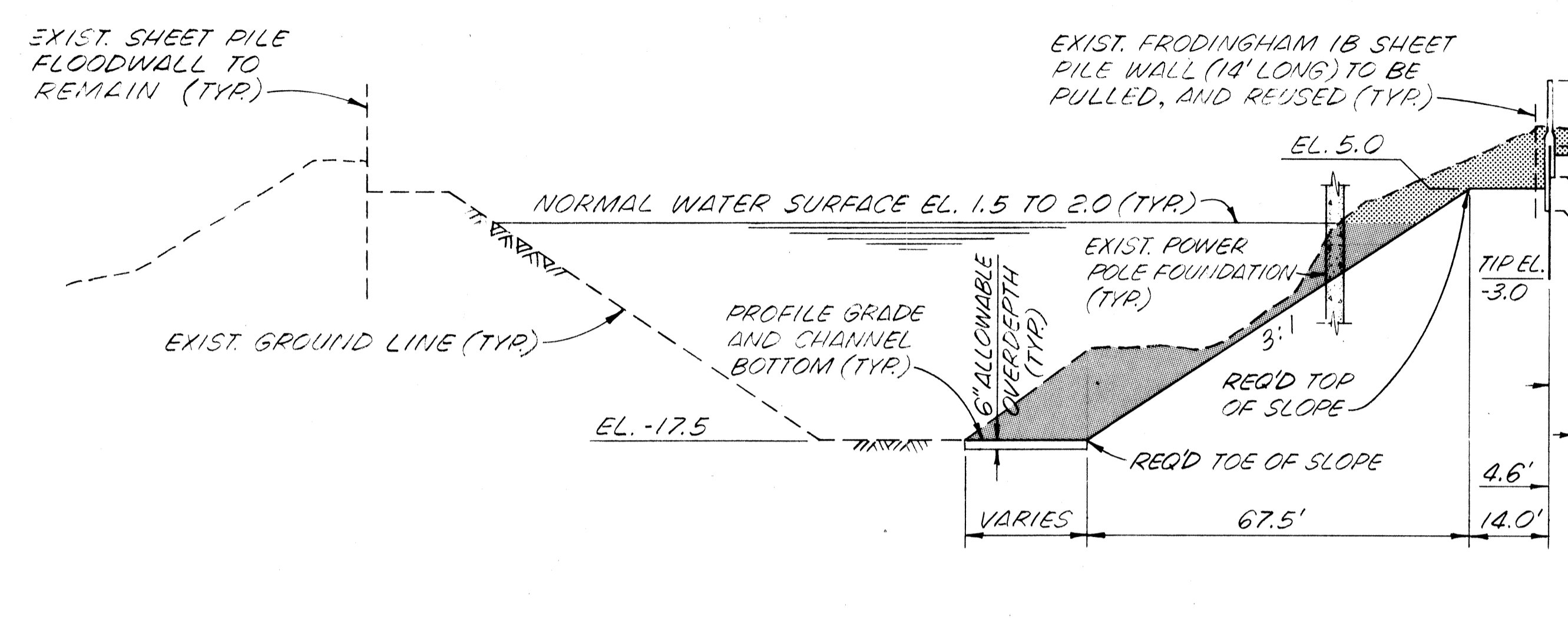
HAMMOND HWY. TO VETERANS HWY. - 2

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District
 17TH STREET CANAL
 LEVEE
 TYPICAL SECTIONS - 3

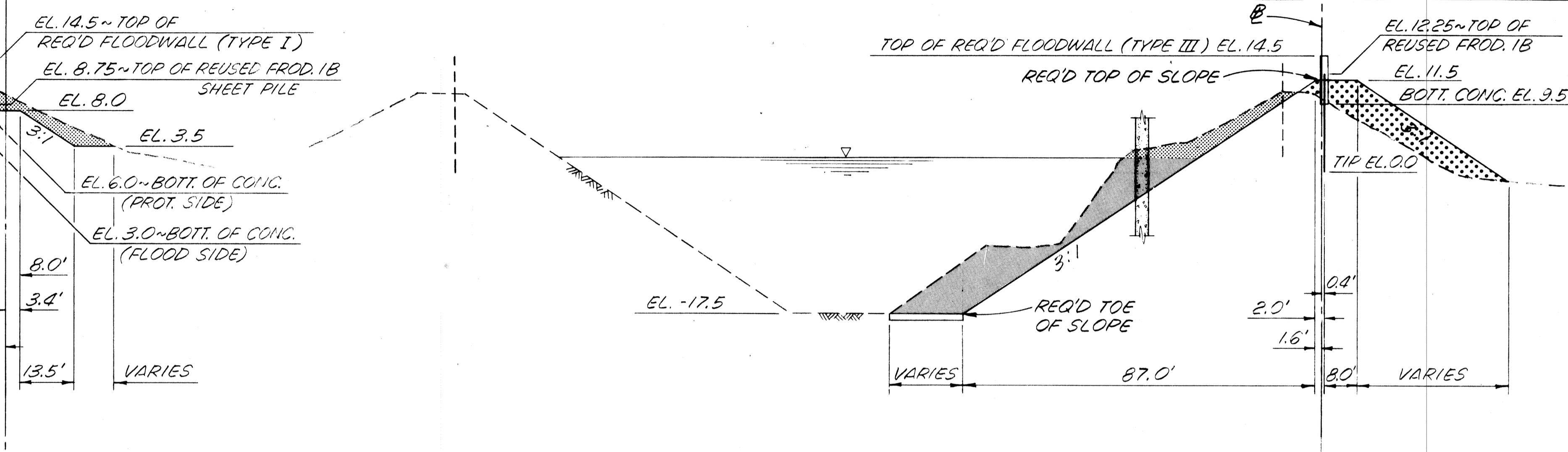
DATE	DESCRIPTION	BY	DESIGNED	FS	DETAILED	FS	DATE	MAR	1974
	REVISIONS		CHECKED	FS	CHECKED	MLS	DWG. NO.	19	OF

DRAWN BY P.M.R.

STATE PROJECT	PARISH	SHEET NO.

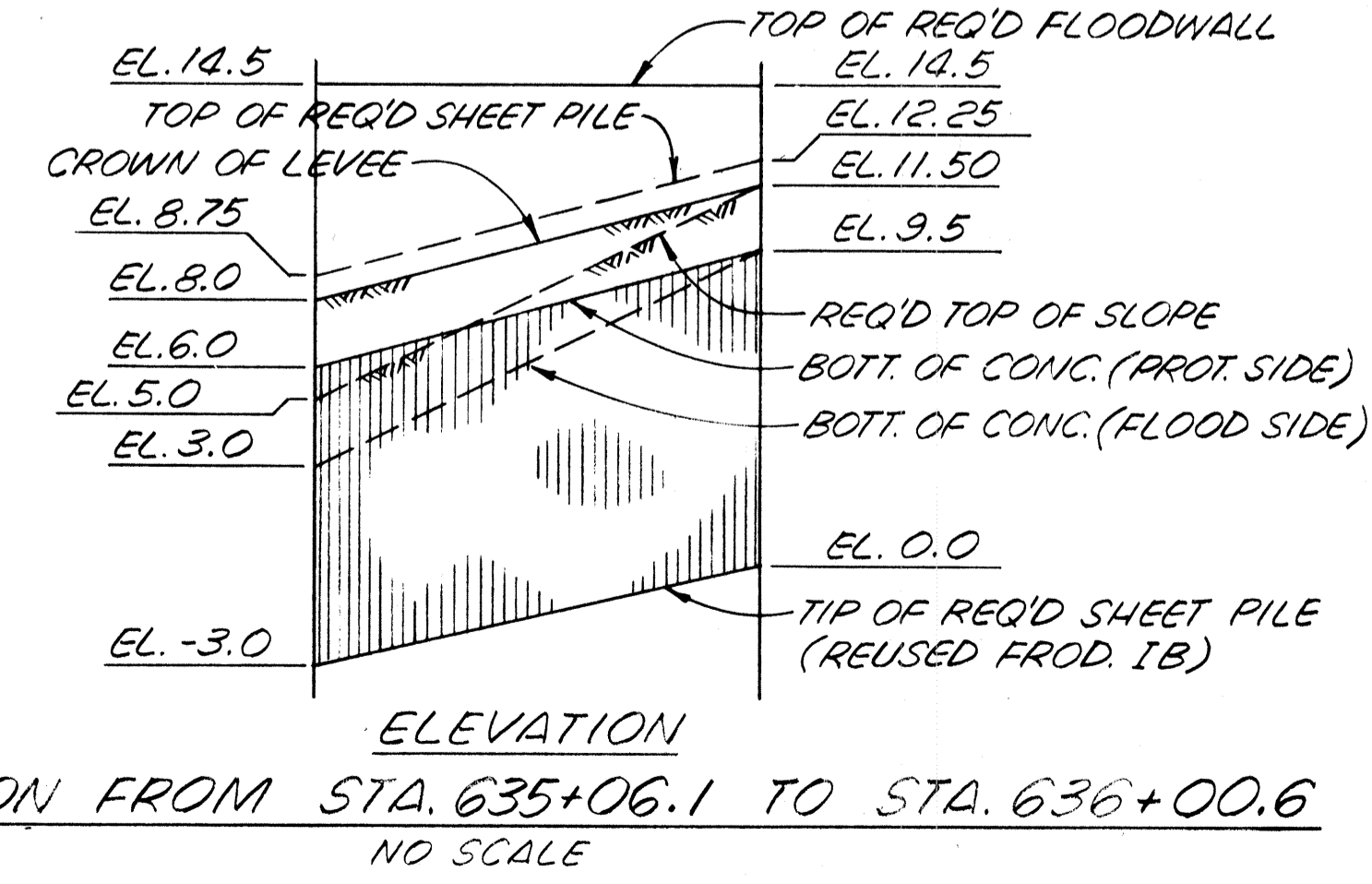
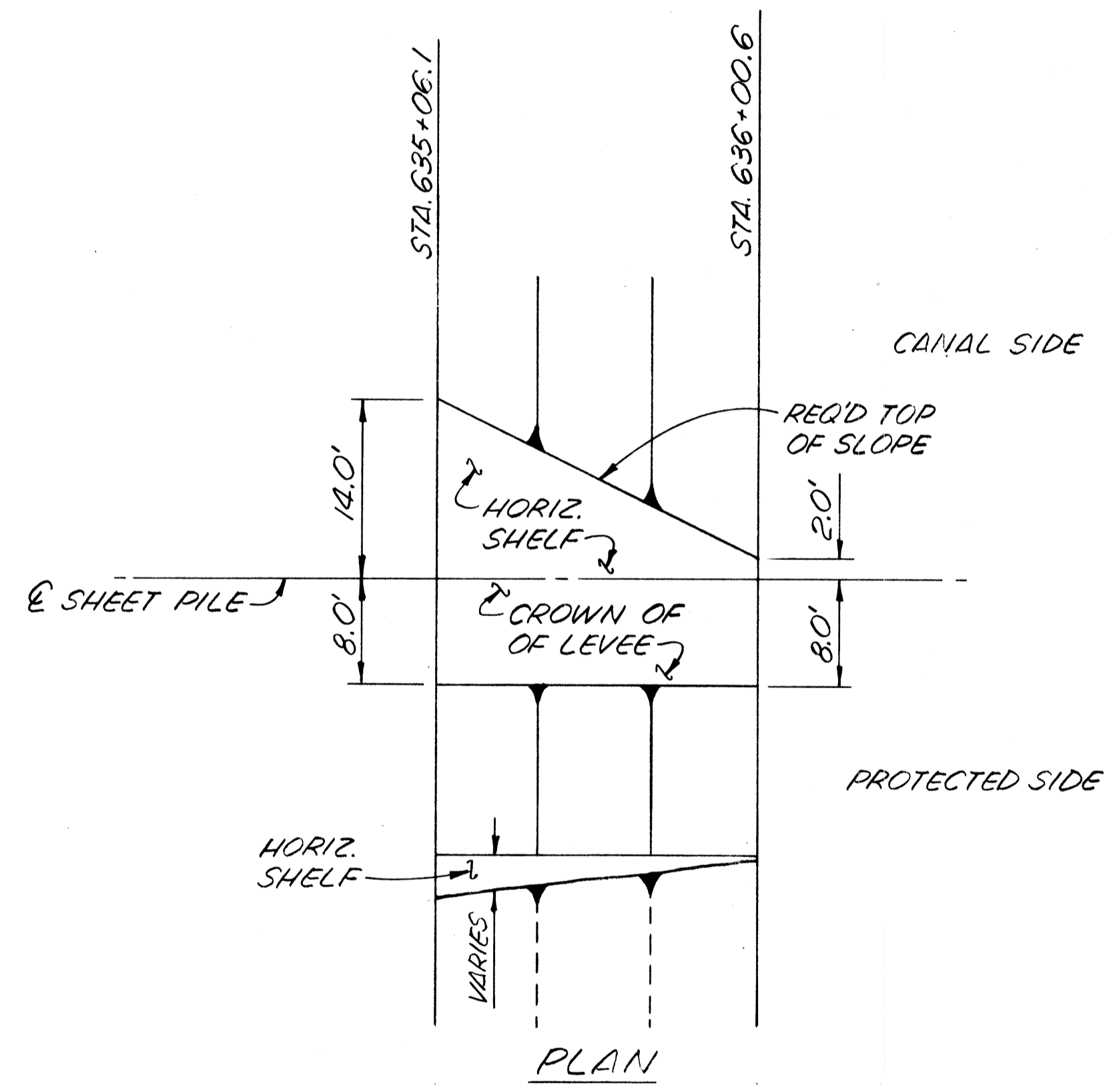


STA. 628+30 TO STA. 635+06.1
SCALE: HORIZ. - 1"=20'
VERT. - 1"=10'



STA. 636+00.6 TO STA. 637+30
SCALE: HORIZ. - 1"=20'
VERT. - 1"=10'

- LEGEND**
- EXCAVATION
 - FILL
 - DREDGING



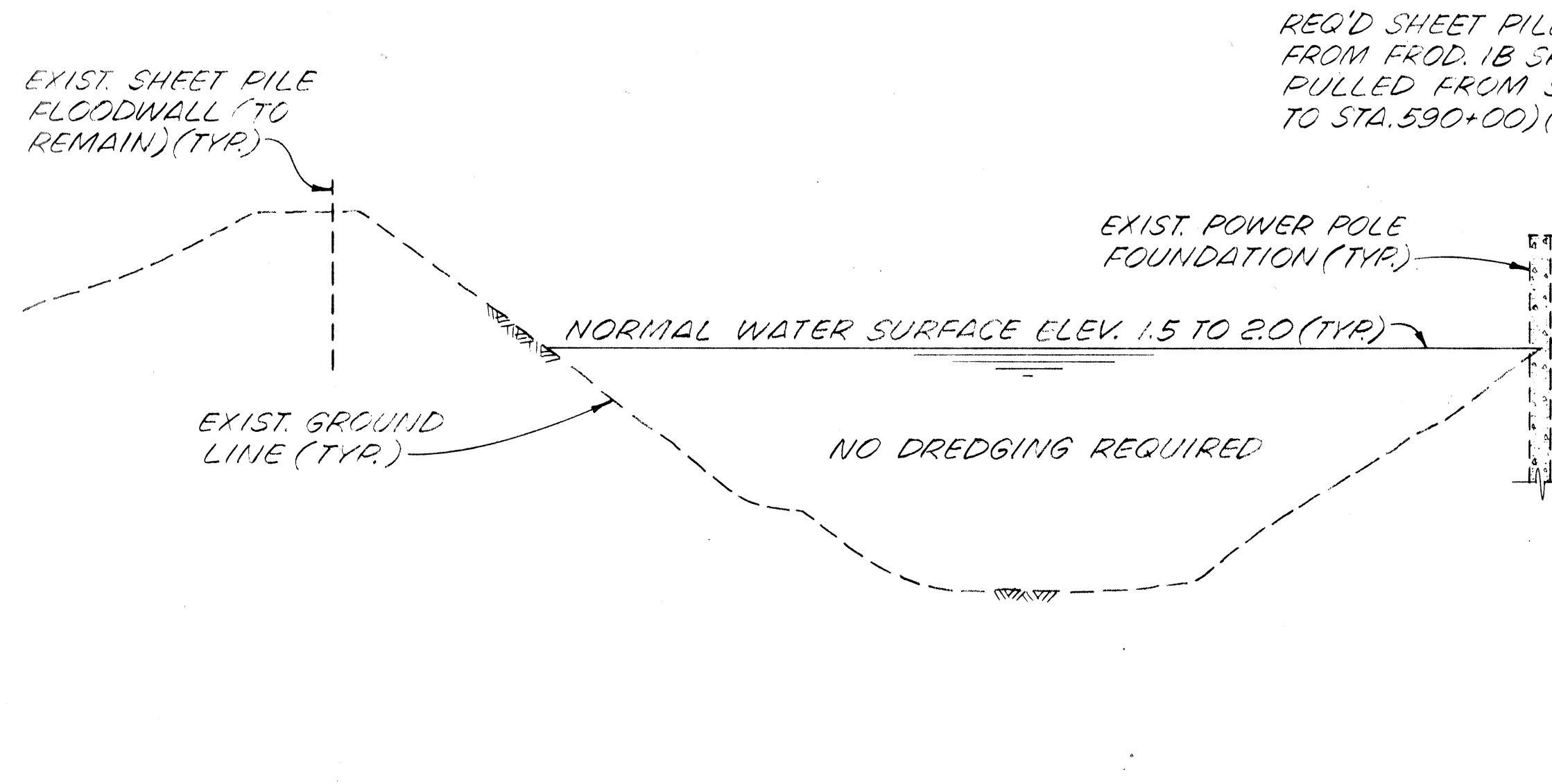
NOTES:
ELEVATIONS REFER TO N.G.V.D.
CROSS SECTIONS ARE SHOWN LOOKING UPSTATION.
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR DETAIL SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 52 THRU 54.
FOR BASELINE OFFSETS, SEE DWG. NOS. 12 THRU 13.
FOR FLOODWALL INFORMATION IN THIS AREA, SEE DWG. NO. 25.

VETERANS HWY. TO I-10 WEST
The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
LEVEE
TYPICAL SECTIONS - 4

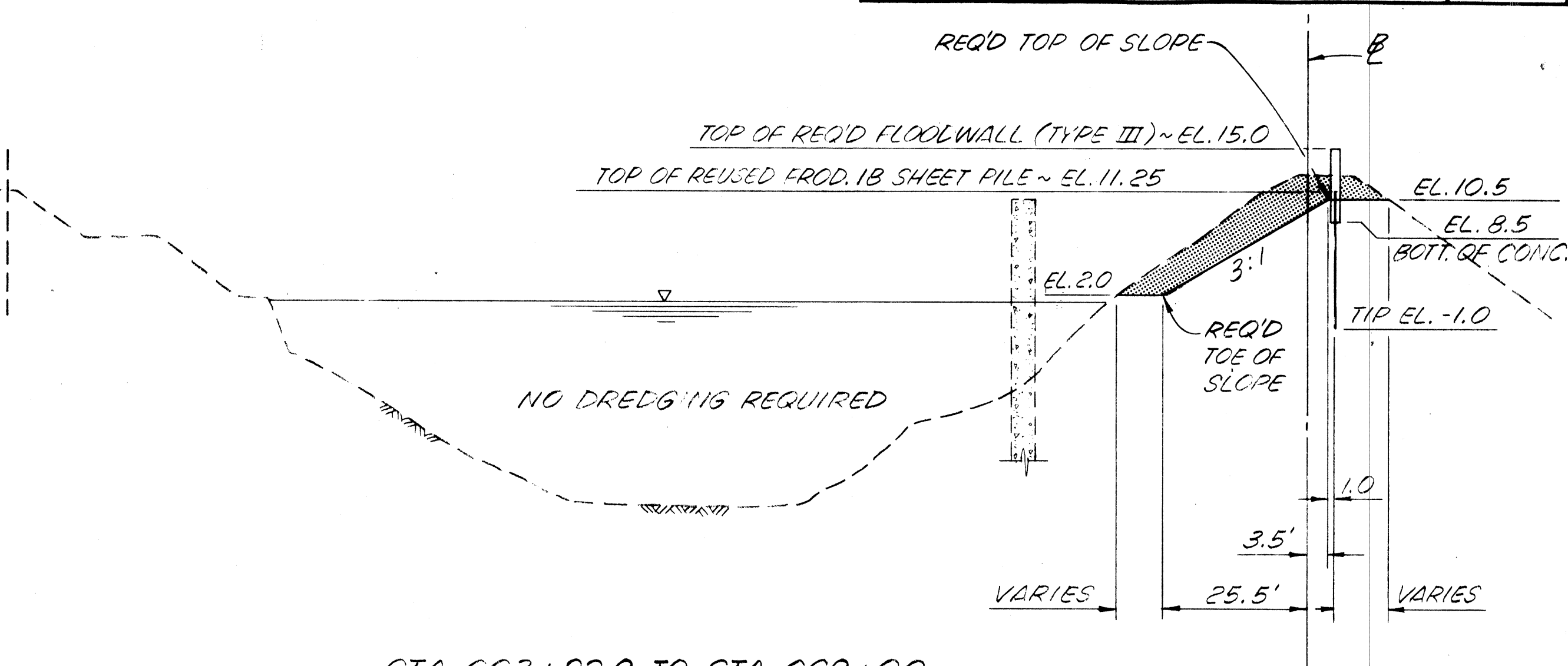
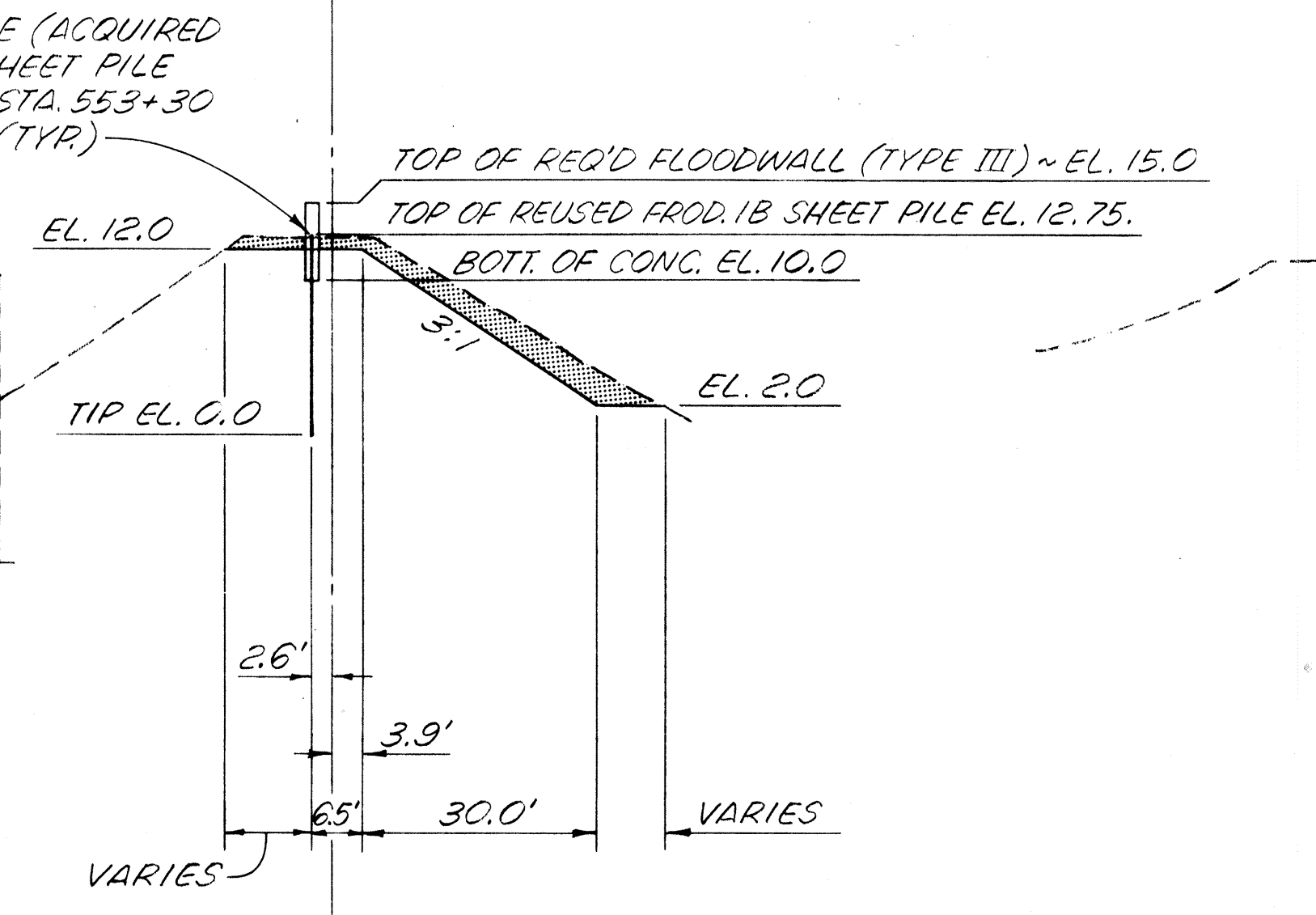
DATE	DESCRIPTION	BY	DESIGNED	FS	DETAILED	FS	DATE	MAR	'1992
	REVISIONS		CHECKED	FS	CHECKED	MLS	DWG. NO.	20	OF

DRAWN BY PMR

STATE PROJECT	PARISH	SHEET NO.

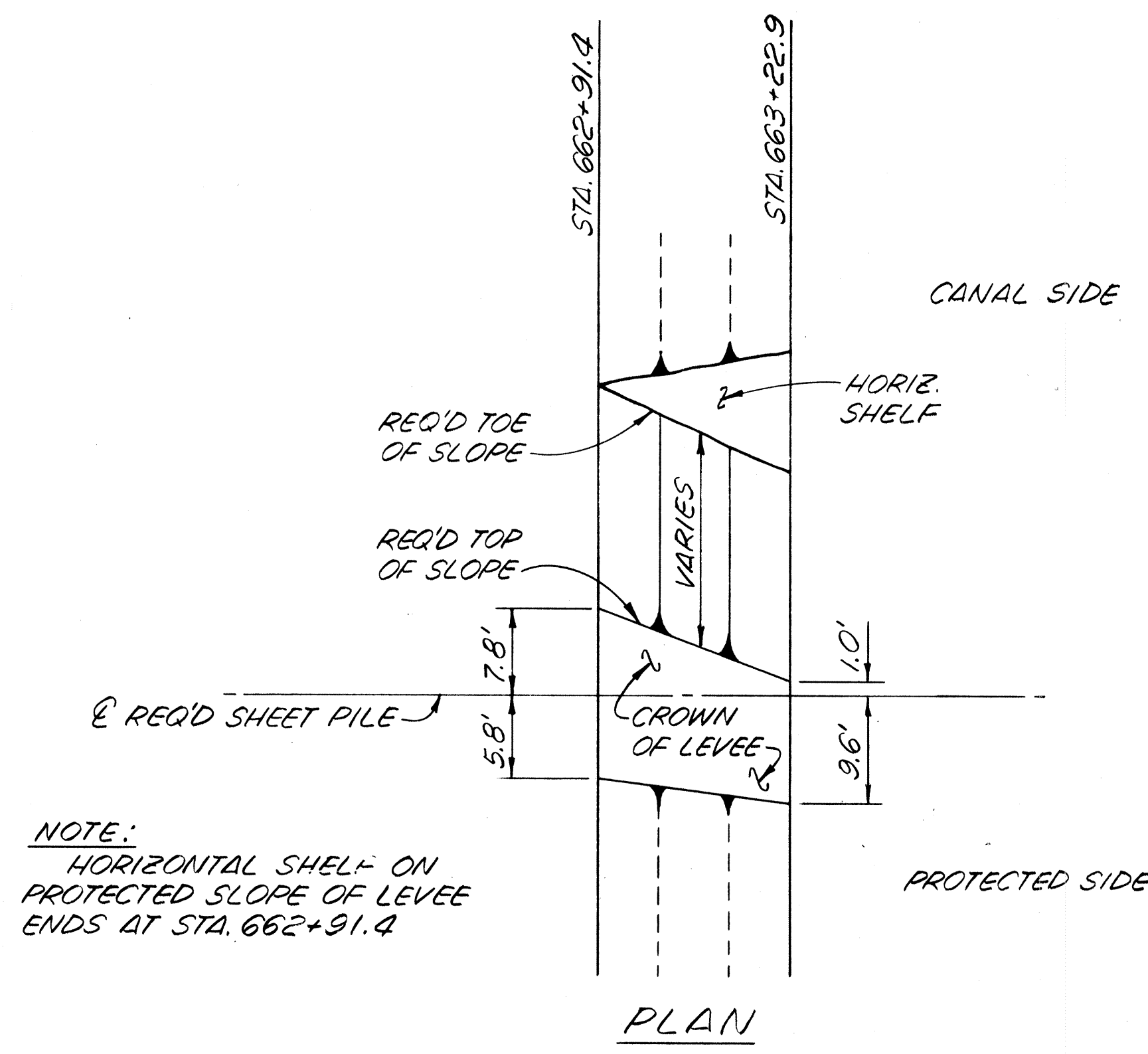


STA. 643+00 TO STA. 662+91.4
SCALE: HORIZ - 1" = 20'
VERT - 1" = 10'

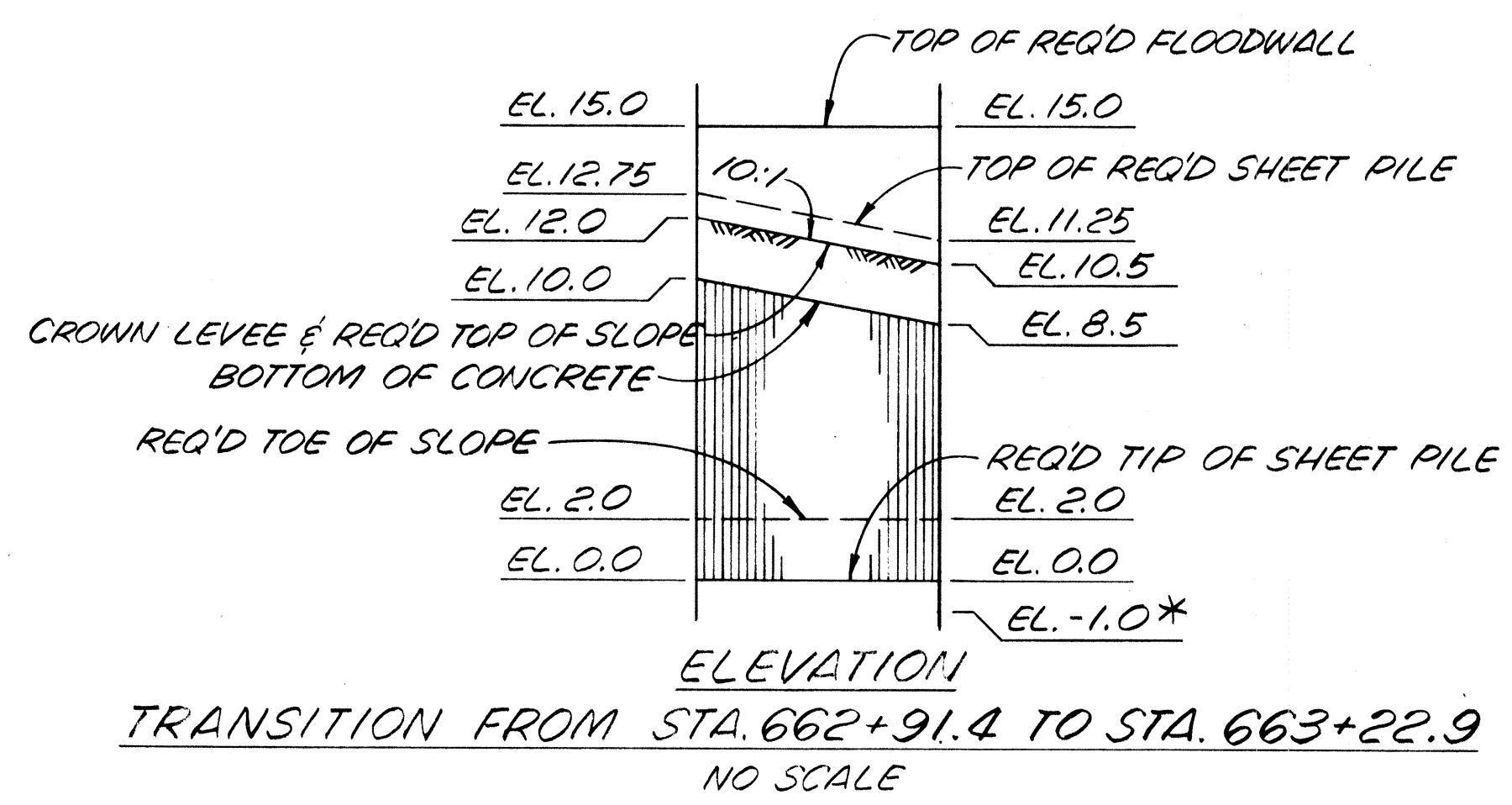


STA. 663+22.9 TO STA. 669+00
SCALE: HORIZ - 1" = 20'
VERT - 1" = 10'

- LEGEND**
- EXCAVATION
 - FILL
 - DREDGING



NOTE:
HORIZONTAL SHELF ON PROTECTED SLOPE OF LEVEE ENDS AT STA. 662+91.4



TRANSITION FROM STA. 662+91.4 TO STA. 663+22.9
NO SCALE

NOTES:
ELEVATIONS REFER TO N.G.V.D.
CROSS SECTIONS ARE SHOWN LOOKING UPSTATION.
FOR GENERAL NOTES, SEE DWG. NO. 3
FOR DETAIL SECTIONS OF THIS CANAL REACH, SEE DWG. NOS. 55 THRU 60.
FOR BASELINE OFFSETS, SEE DWG. NOS. 13 THRU 16.
FOR FLOODWALL INFORMATION IN THIS AREA, SEE DWG. NO. 26.

I-10 EAST TO SOUTHERN RAILWAY

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

LEVEE
TYPICAL SECTIONS - 5

DESIGNED	FS	DATE	MAR 1992
CHECKED	FS	DRAWN BY	PMR
		SCALE	AS NOTED
		DATE	MAR 1992
		DWG. NO.	21 OF

*BEGIN TIP EL. -1.0 OF REUSED FROD. 18 SHEET PILE @ STA. 663+22.9

STATE PROJECT	PARISH	SHEET NO.

OPPOSITE BASELINE STATION	WALL LENGTH	WALL TYPE	ELEV. A	ELEV. B	ELEV. C	X (FT.)	Y (FT.)	Z (FT.)
547+45.2* TO 549+51.0*	198'- 2-1/4"	III**	16.5	10.5	---	---	---	6'-0"
549+51.0* TO 549+59.7*	10'- 0"	III**	16.5 TO 14.9	10.5	---	---	---	6'-0" TO 4'-5"
549+59.7* TO 549+78.3*	21'- 6"	III**	14.9 TO 14.0	10.5 TO 7.5	---	---	---	4'-5" TO 6'-6"
549+78.3* TO 549+87.7*	12'- 1-1/4"	III**	---	---	---	---	---	---
JUNCTION OF LAKEFRONT LEVEE AND 17TH STREET CANAL LEVEE								
549+94.1 TO 551+00.5	106'- 7-1/4"	III	14.0	7.5	---	---	---	6'-6"
551+00.5 TO 552+21.5	126'- 10-3/4"	---	---	---	---	---	---	---
HAMMOND HIGHWAY BRIDGE								
553+30.2 TO 553+96.7	66'- 6"	---	---	---	---	---	---	---
553+96.7 TO 554+12.7	16'- 0"	II	14.0	7.5 TO 4.0	---	2'-6" TO 6'-0"	---	---
554+12.7 TO 554+26.0	13'- 4"	I	14.0	4.0	4.0 TO 0.5	6'-0"	0'-0" TO 3'-6"	---
554+26.0 TO 587+99.1	3,373'- 4"	I	14.0	4.0	0.5	6'-0"	3'-6"	---
587+99.1 TO 590+05.8	206'- 11"	I	14.0	4.0 TO 5.0	0.5 TO 2.0	6'-0" TO 5'-0"	3'-6" TO 3'-0"	---
590+05.8 TO 613+99.9	2,394'- 0"	I	14.0	5.0	2.0	5'-0"	3'-0"	---
613+99.9 TO 614+94.4	94'- 6"	I	14.0	5.0 TO 5.5	2.0 TO 3.0	5'-0" TO 4'-6"	3'-0" TO 2'-6"	---
614+94.4 TO 625+02.2	1,008'- 0"	I	14.0	5.5	3.0	4'-6"	2'-6"	---
625.05.2 TO 625+14.0	11'- 9-3/4"	---	---	---	---	---	---	---
VETERANS HIGHWAY BRIDGES								
626+44.0 TO 626+55.8	11'- 9-3/4"	---	---	---	---	---	---	---
626+55.8 TO 635+06.1	850'- 6"	I	14.5	6.0	3.0	4'-6"	3'-0"	---
635+06.1 TO 636+00.6	94'- 6"	TRANS.	14.5	6.0 TO 9.5	3.0 TO 9.5	---	3'-0" TO 0'-0"	8'-6" TO 5'-0"
636+00.6 TO 638+84.1	283'- 6"	---	---	---	---	---	---	---
638+84.1 TO 639+06.4	22'- 3-3/4"	---	---	---	---	---	---	---
INTERSTATE BRIDGES								
641+85.7 TO 642+23.7	38'- 0-3/4"	---	---	---	---	---	---	---
642+23.7 TO 659+65.7	1,732'- 6"	III	15.0	10.0	---	---	---	5'-0"
659+65.7 TO 660+39.7	74'- 0"	---	---	---	---	---	---	---
660+39.7 TO 662+91.4	252'- 0"	III	15.0	10.0	---	---	---	5'-0"
662+91.4 TO 663+22.9	31'- 6"	III	15.0	10.0 TO 8.5	---	---	---	5'-0" TO 6'-6"
663+22.9 TO 669+15.0	593'- 3"	III	15.0	8.5	---	---	---	6'-6"
669+15.0 TO 669+17.2	2'- 4"	III***	15.0	8.5	---	---	---	6'-6"

*LAKEFRONT LEVEE STATIONING **FRACTURED RIB BOTH SIDES OF WALL ***WITHOUT FRACTURED RIB

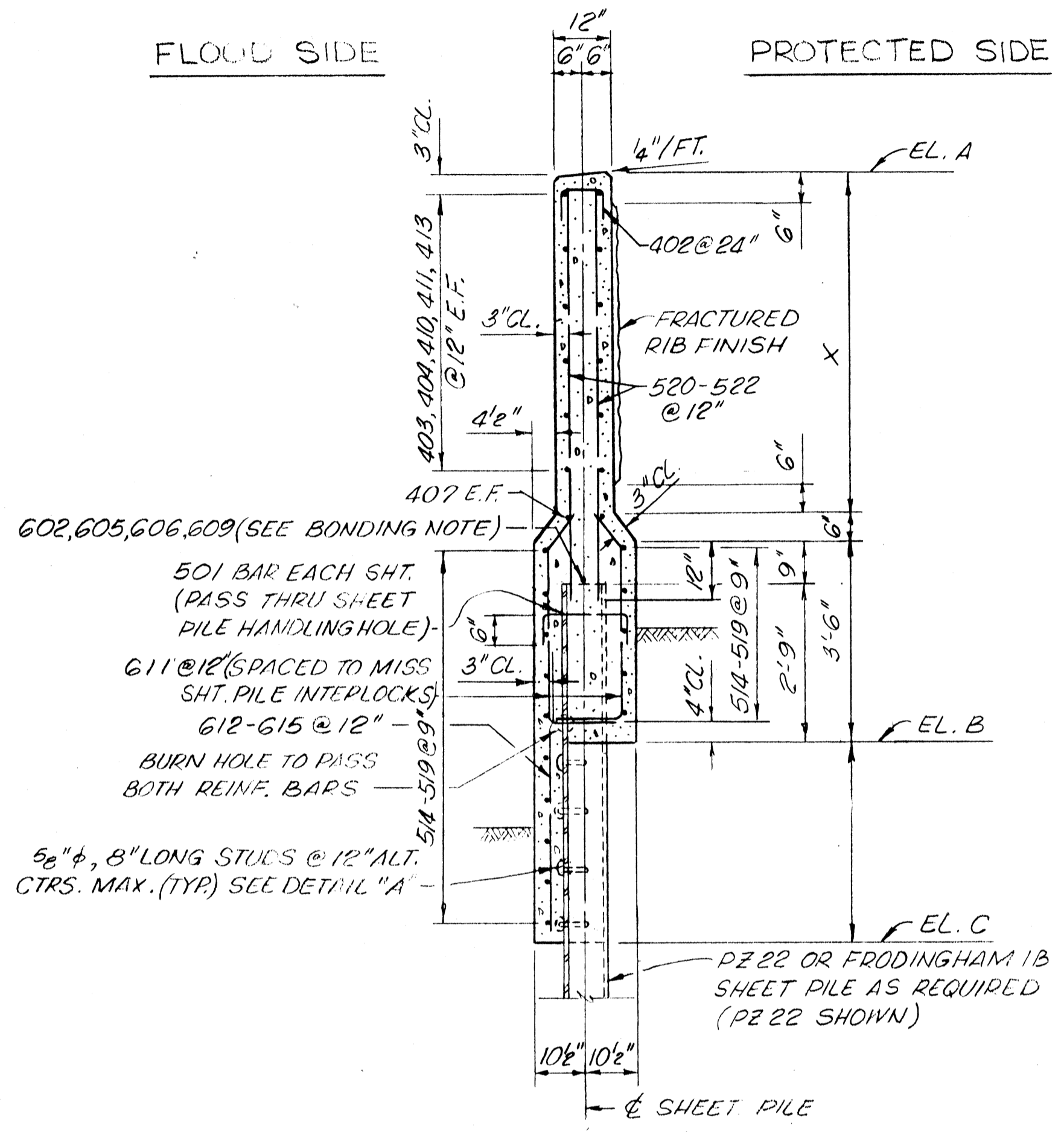
SHEET PILE NOTES:
 A MINIMUM OF 4 INCHES CONCRETE COVER SHALL BE PROVIDED AT ALL POINTS.
 HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 3.
 ALL TOP AND BOTTOM EDGES OF FRACTURED RIB SHALL BE CHAMFERED 45° AS SHOWN.
 ALL TOP OF FLOODWALL EDGES SHALL BE CHAMFERED 3/4" AS SHOWN.
 28-DAY COMPRESSIVE STRENGTH, P_c, SHALL BE 3,000 PSI. MIN. FOR FLOODWALL, AND 2,500 PSI. MIN. FOR STABILIZATION SLAB.
 REBAR SHALL BE GRADE 60.

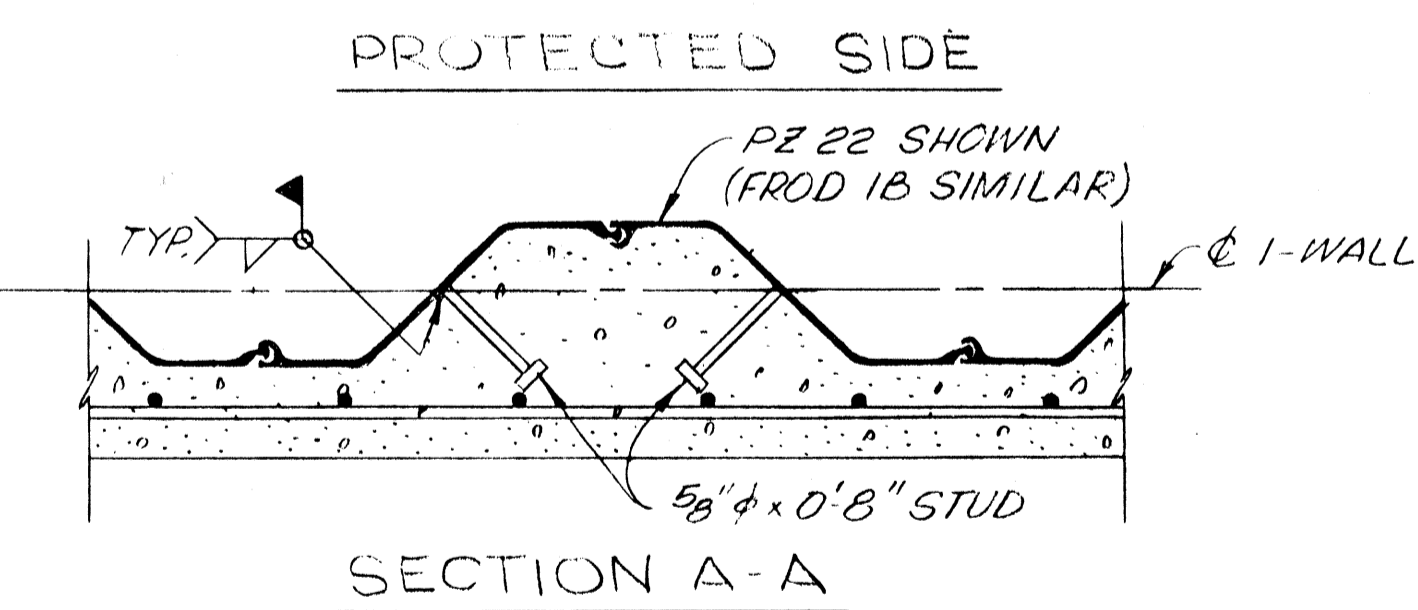
The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL
 FLOODWALL
 TYPICAL SECTIONS

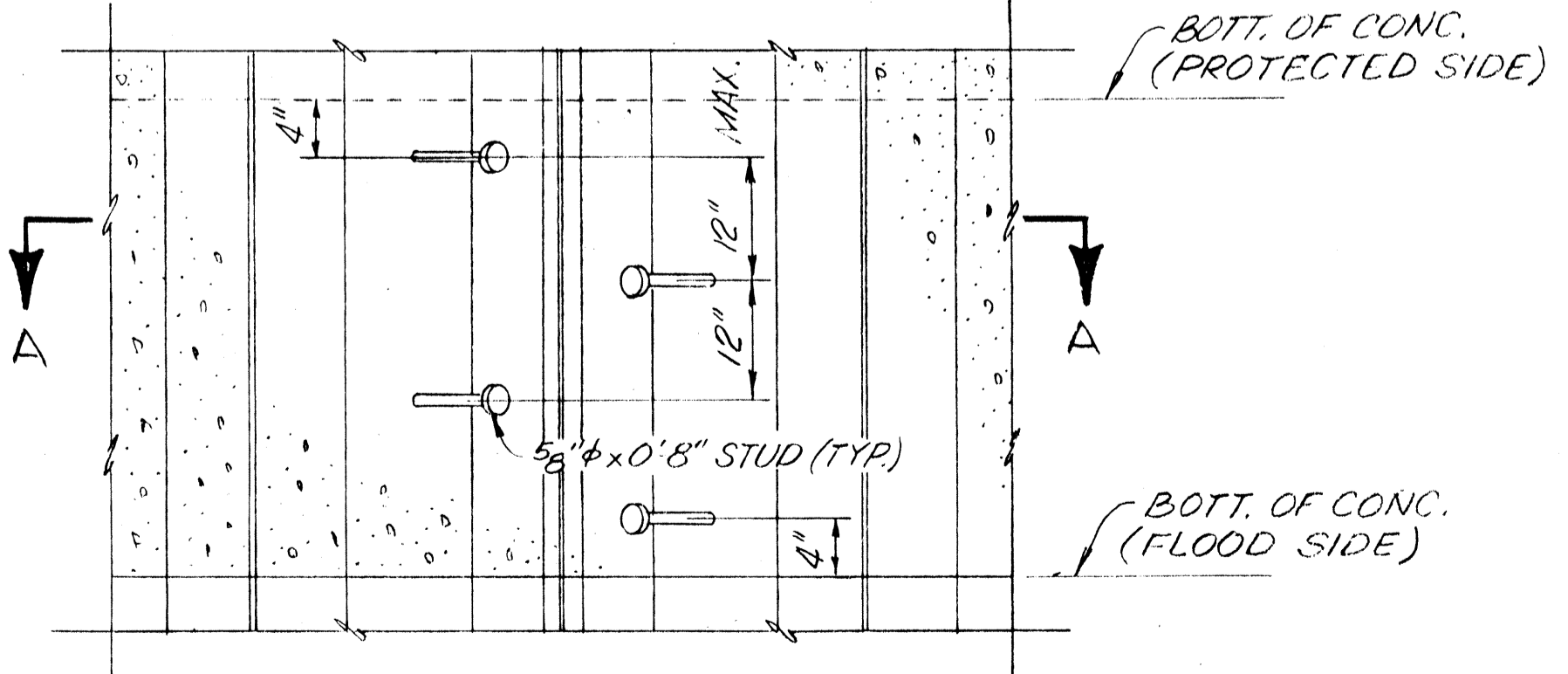
New Orleans		Louisiana		DRAWN BY JDB
DESIGNED	MLC	DATE	MAR 1994	SCALE
CHECKED		CHECKED		DWG. NO. 22 OF



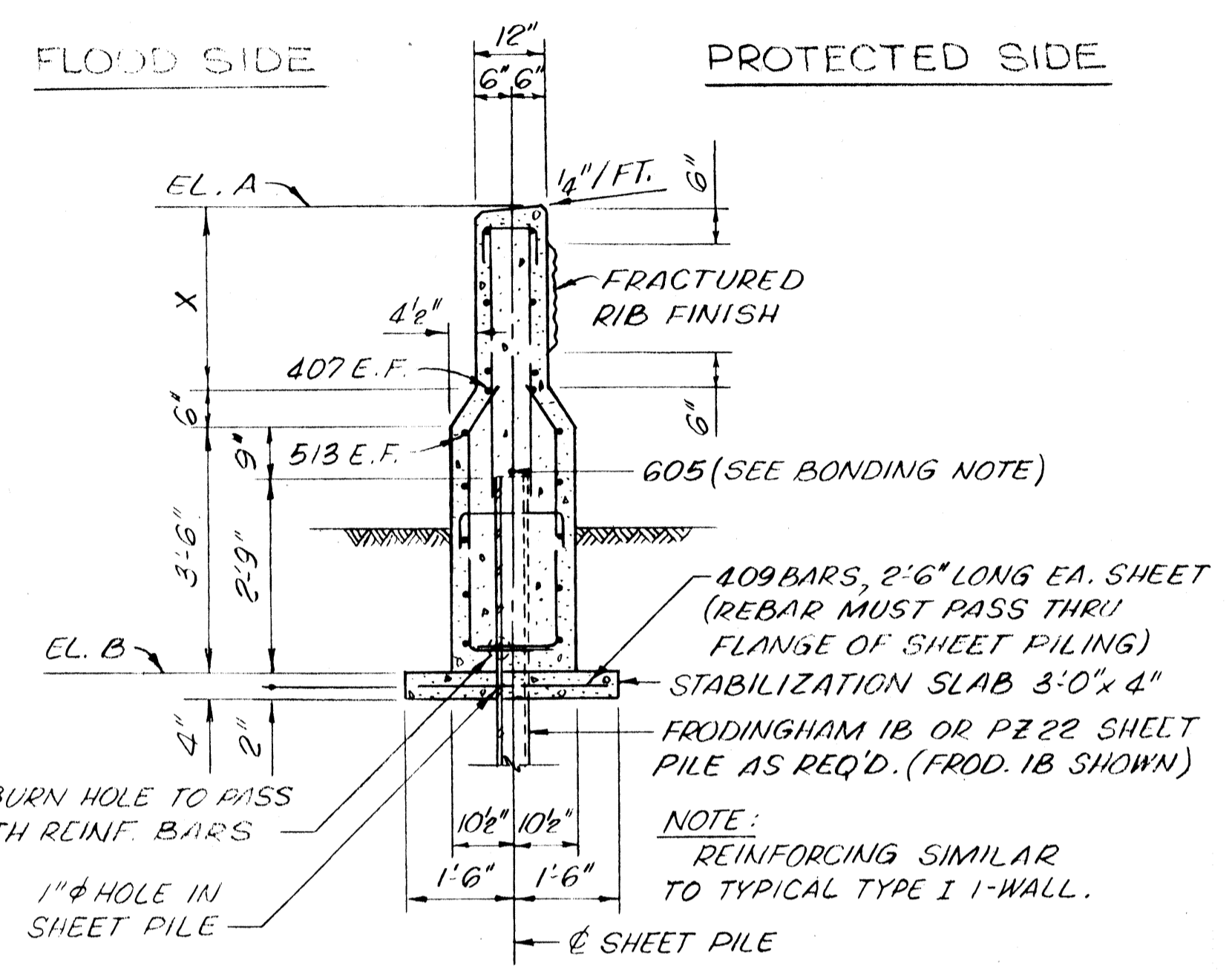
TYPICAL I-WALL SECTION TYPE I
 SCALE: 1/2" = 1'-0"



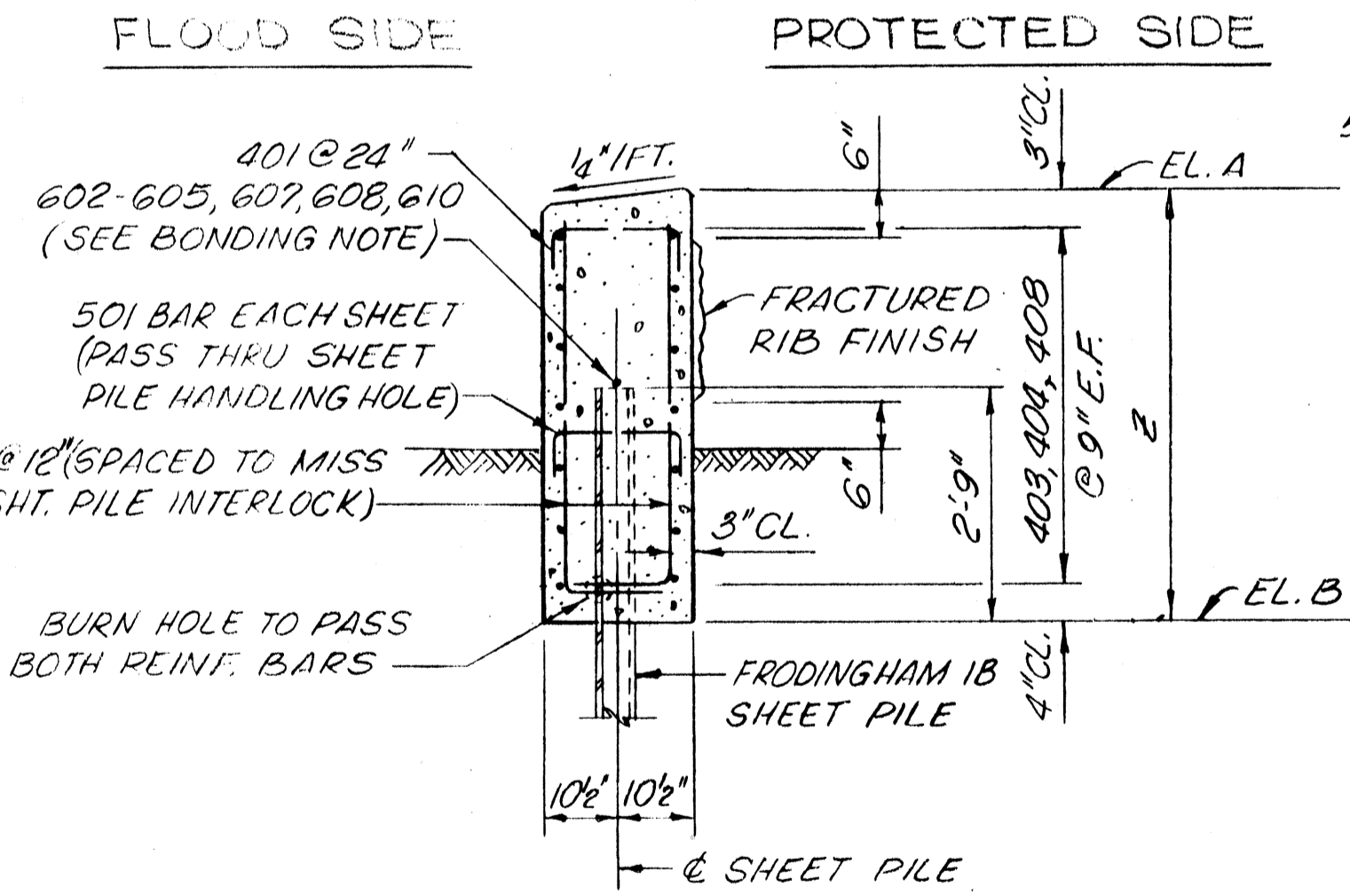
SECTION A-A



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

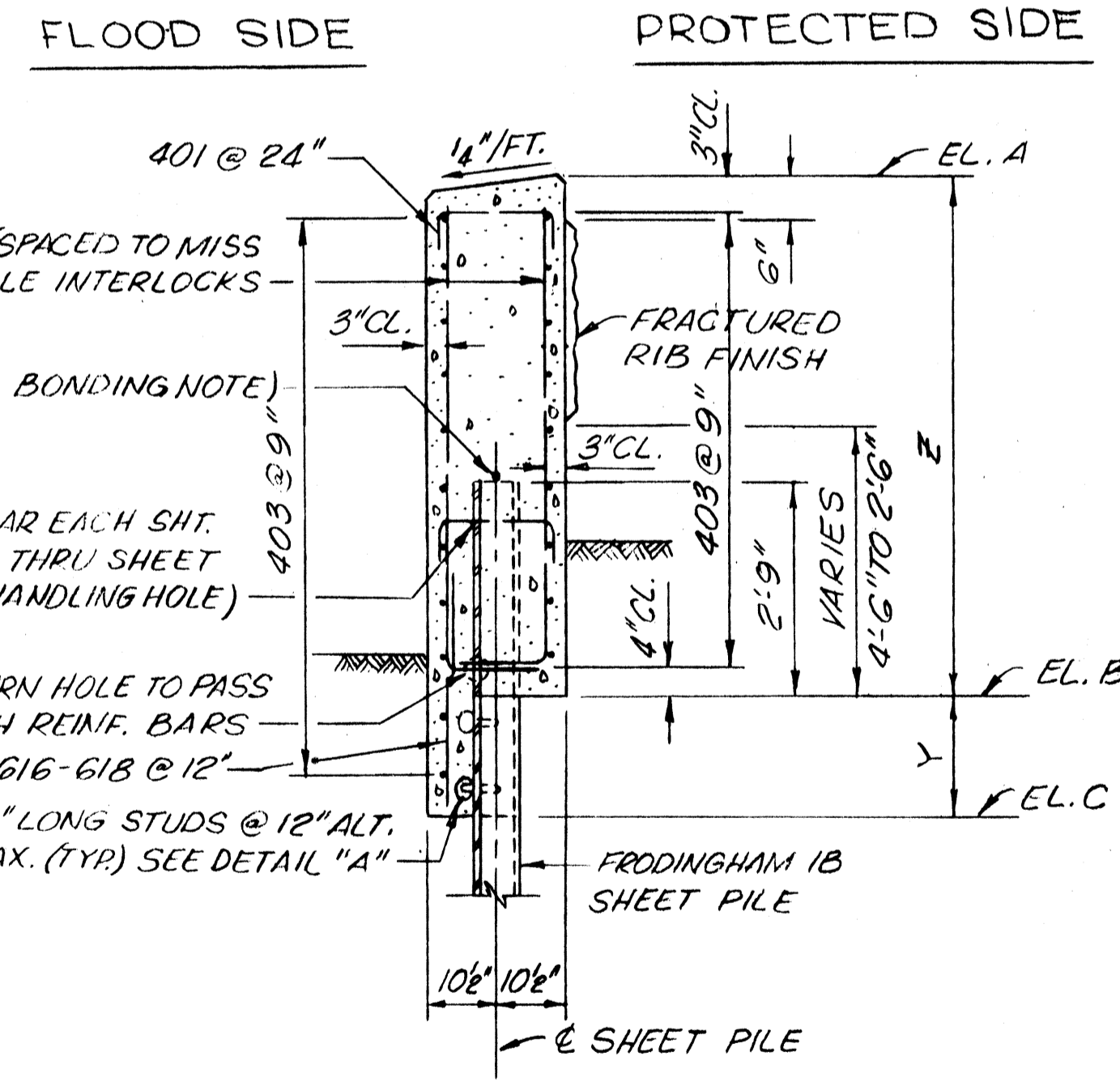


TYPICAL I-WALL SECTION TYPE II
 SCALE: 1/2" = 1'-0"



TYPICAL I-WALL SECTION TYPE III
 SCALE: 1/2" = 1'-0"

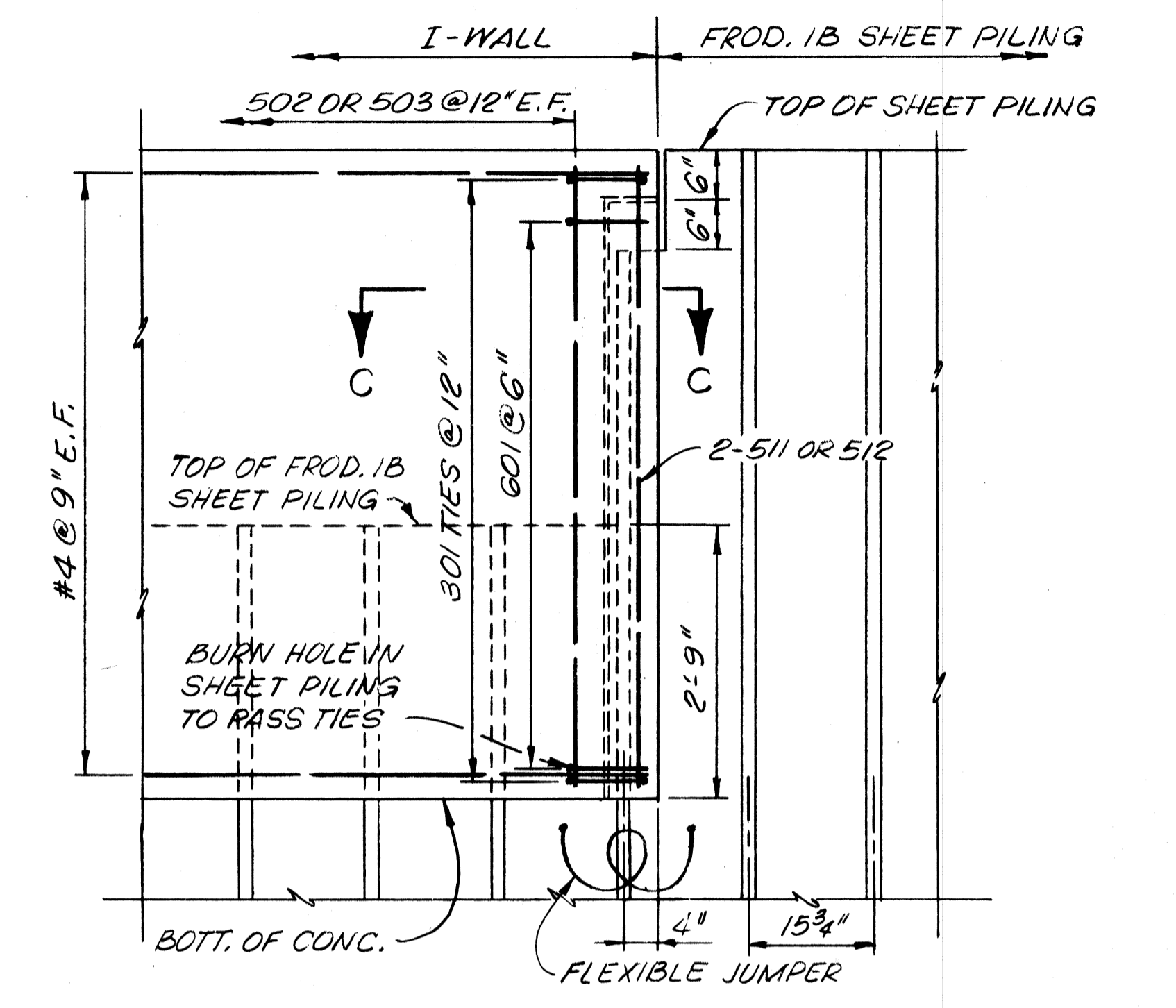
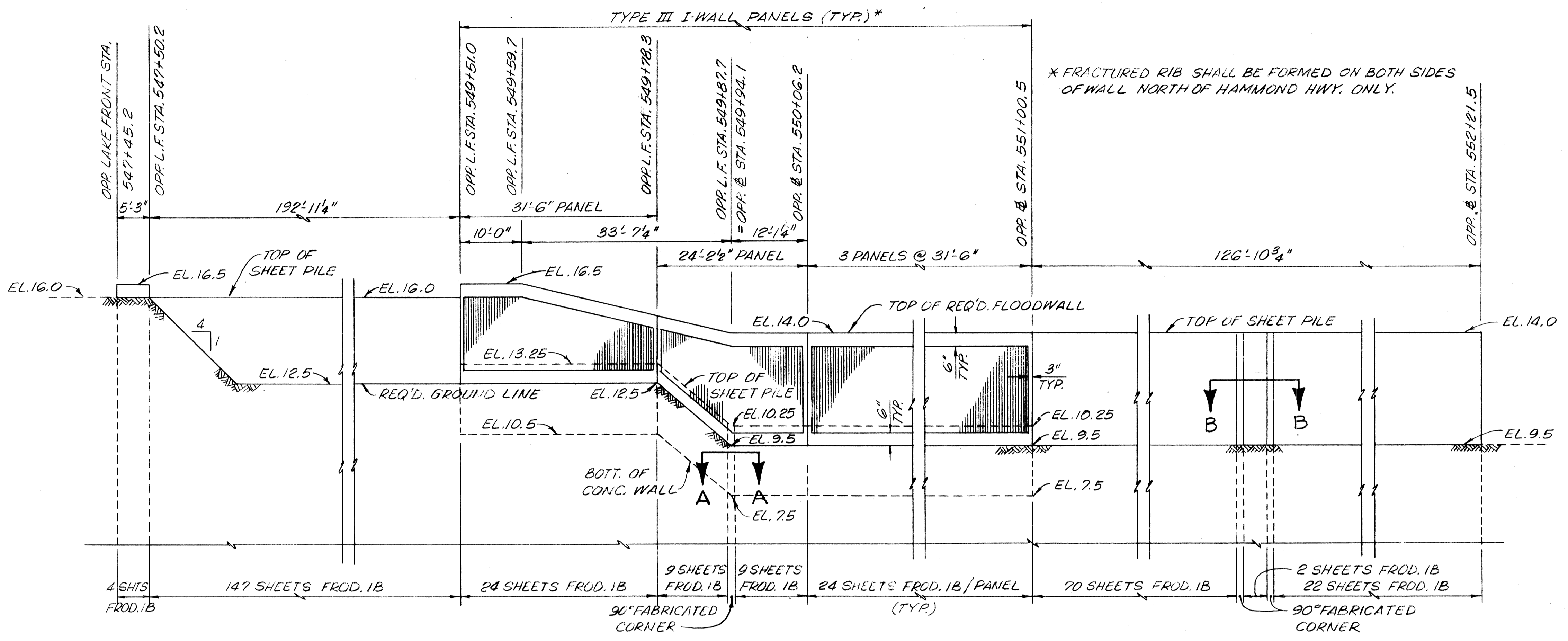
BONDING NOTE:
 #6 REINFORCING BAR SHALL BE WELDED ACROSS THE TOP OF EACH SHEET PILE. #6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE EXPANSION JOINT. SPLICING OF #6 REINFORCING BAR WILL NOT BE ALLOWED.
 INSTALL FLEXIBLE JUMPER AT ALL EXPANSION JOINTS. JUMPERS SHALL BE INSULATED NO. 1/0 AWG COPPER TYPE USE, INSULATED WITH A MINIMUM OF 95 MILS OF CROSS LINKED POLYETHYLENE IN A 8" DIA. LOOP. JUMPERS SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL SHEET PILES 3" BELOW THE BOTTOM OF THE CONCRETE CAP. WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINTS.



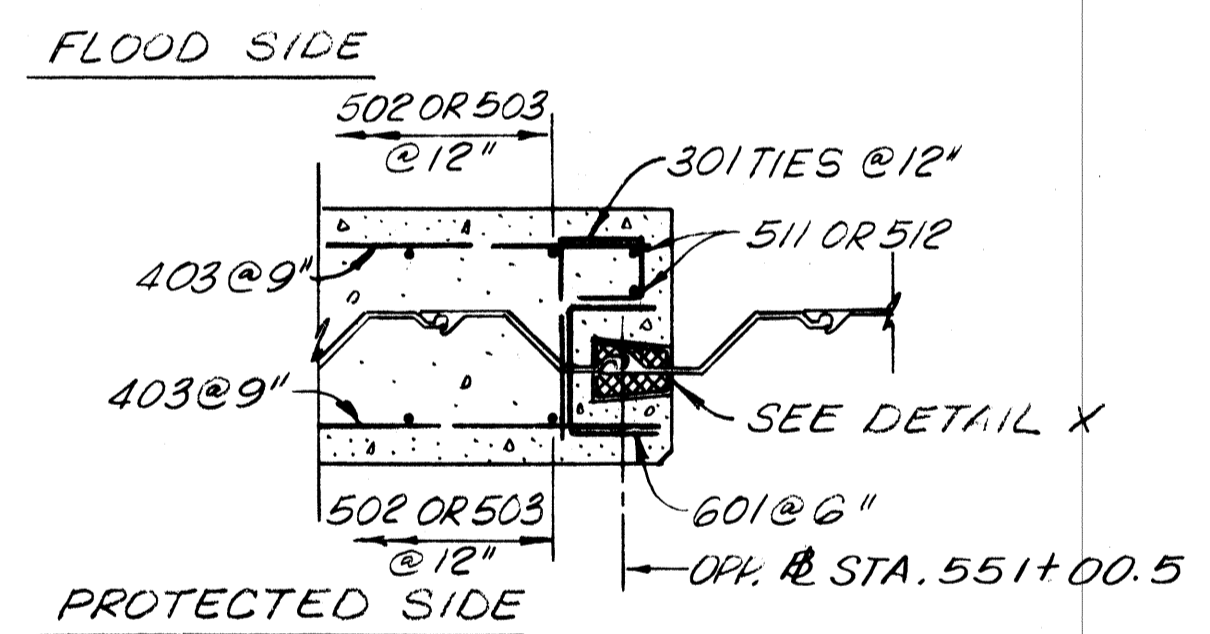
TRANSITION WALL SECTION
 (OPPOSITE STA. 635+06.1 TO 636+00.6)
 SCALE: 1/2" = 1'-0"

DATE	DESCRIPTION	BY
	REVISIONS	

STATE PROJECT	PARISH	SHEET NO.

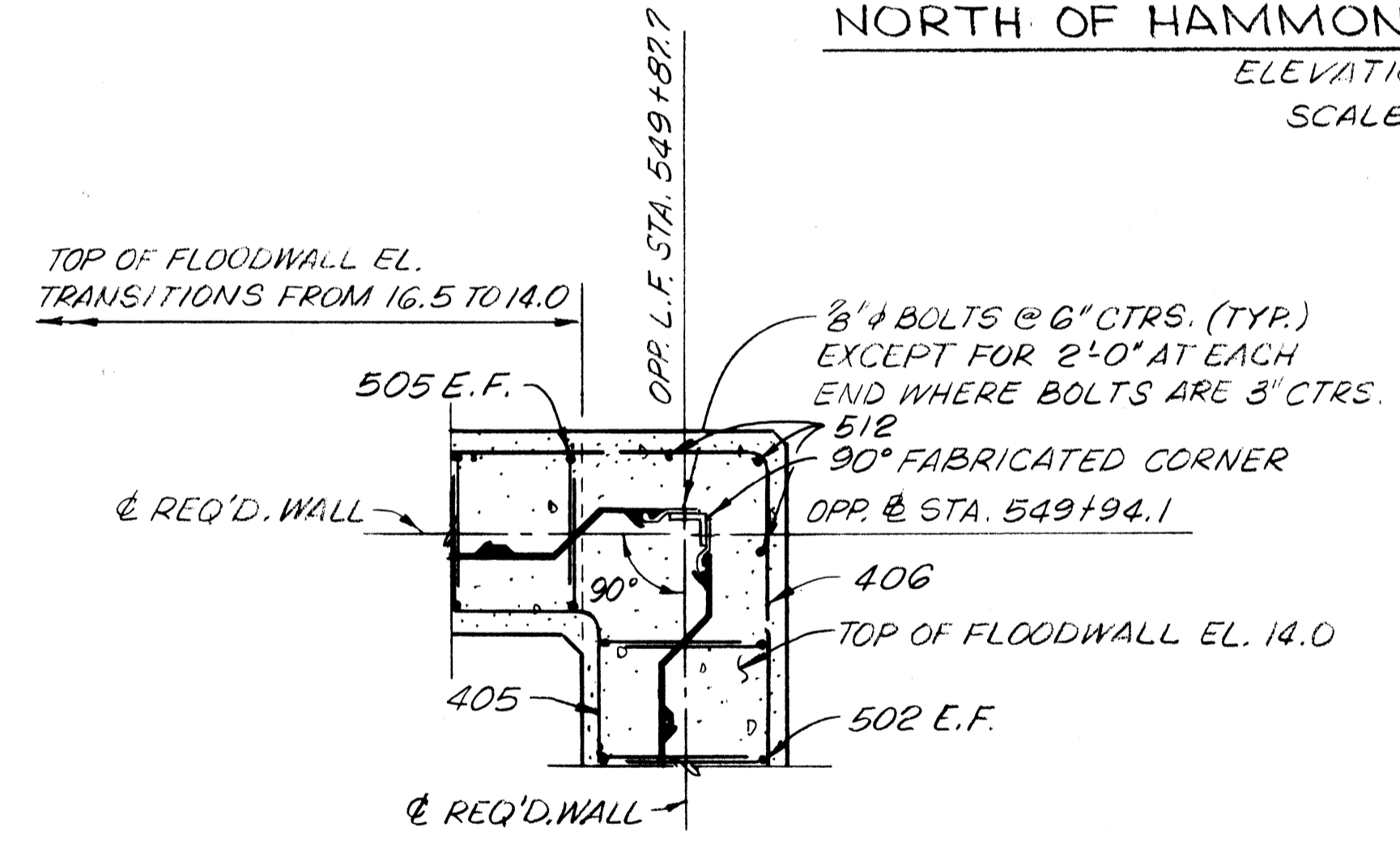


PROTECTED SIDE ELEVATION
DETAILS OF TRANSITION FROM I-WALL TO STEEL SHEET PILING
SCALE: 3/4" = 1'-0"

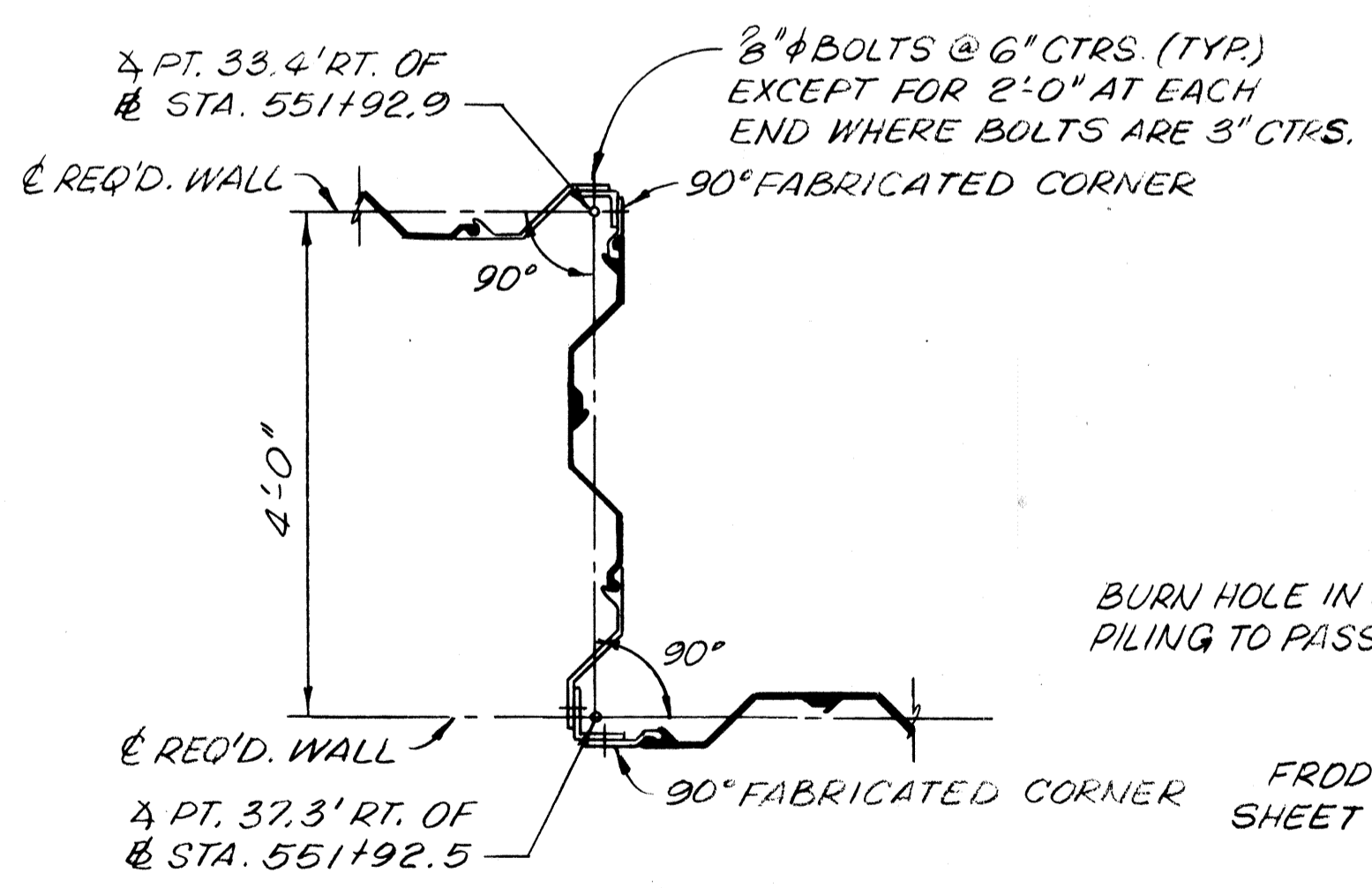


SECTION C-C
SHOWN OPP. & STA. 551+00.5
SIMILAR OPP. L.F. STA. 549+51.0, OPP. HAND
SCALE: 3/4" = 1'-0"

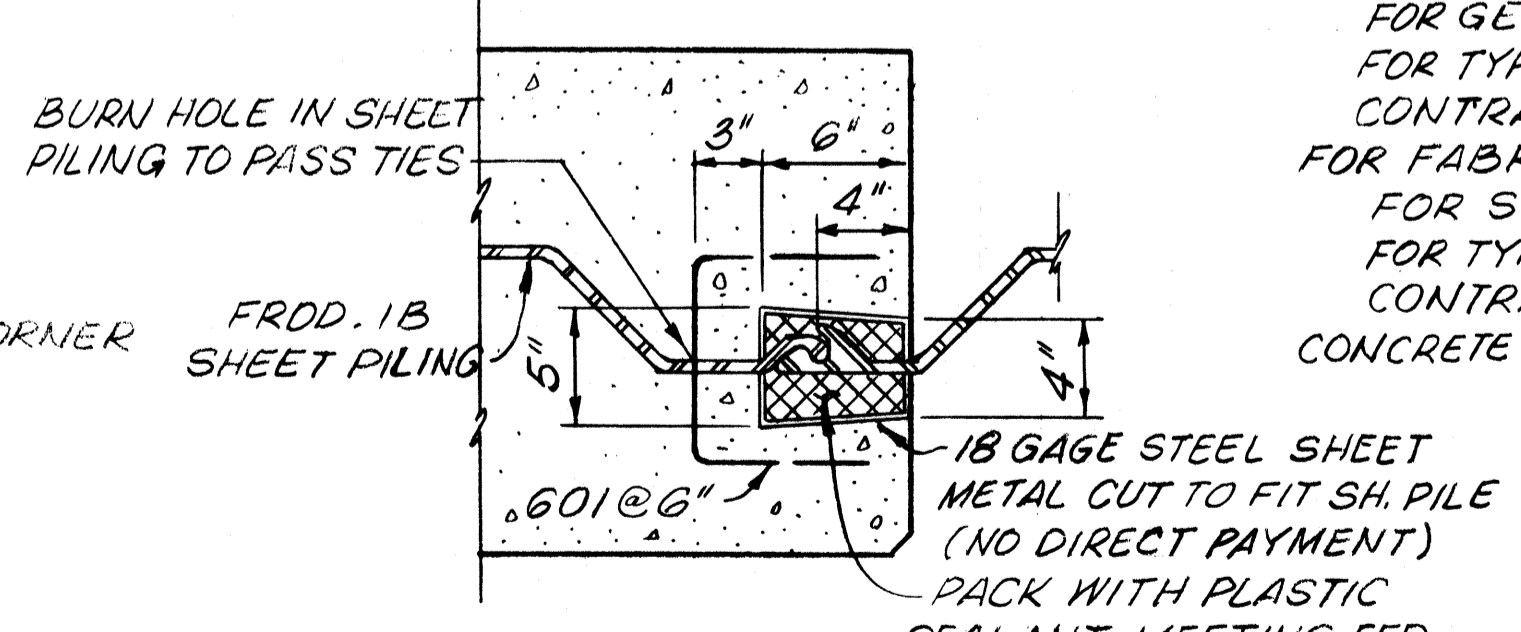
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR TYPICAL SECTIONS, SEE DWG. NO. 22.
CONTRACTOR SHALL FIELD VERIFY DIMENSIONS FOR FABRICATED TRANSITION PRIOR TO FABRICATION.
FOR SHEET PILE NOTES, SEE DWG. NO. 22.
FOR TYP. EXP. JOINT DETAILS, SEE DWG. NO. 27.
CONTRACTOR SHALL FORM ANGLE POINTS IN CONCRETE WALL AS REQ'D. BY ALIGNMENT OF SHEETPILE.



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



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



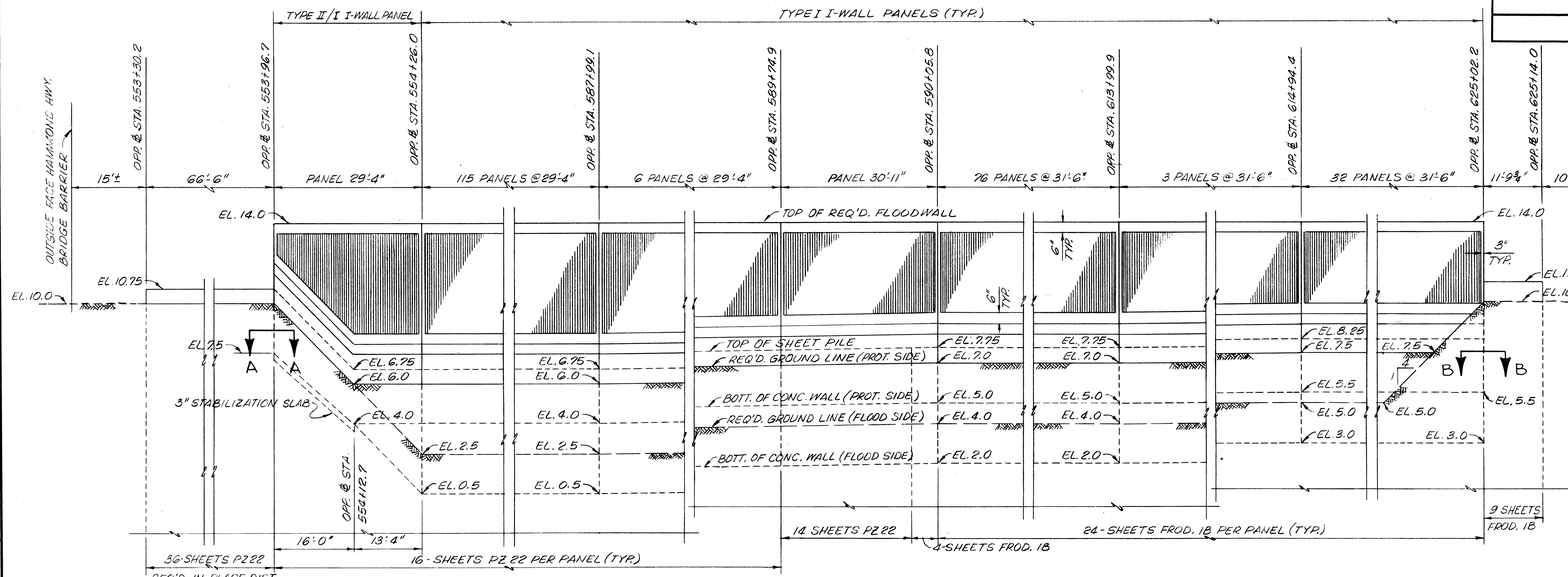
DETAIL X
SCALE: 1 1/2" = 1'-0"

NOTE:
603 BAR TO BE WELDED ACROSS THE TOP OF EACH SHEET FROM L.F. STA. 549+78.3 TO L.F. STA. 549+78.3.
604 BAR TO BE WELDED ACROSS THE TOP OF EACH SHEET FROM B.L. STA. 549+94.1 TO B.L. STA. 550+06.2.
FLEXIBLE JUMPERS TO BE INSTALLED CONNECTING 90° FABRICATED CORNER TO ADJACENT SHEET SEE BONDING NOTE, DWG. NO. 22.

NORTH OF HAMMOND HWY.
The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
FLOODWALL
PANEL LAYOUT & DETAILS - I

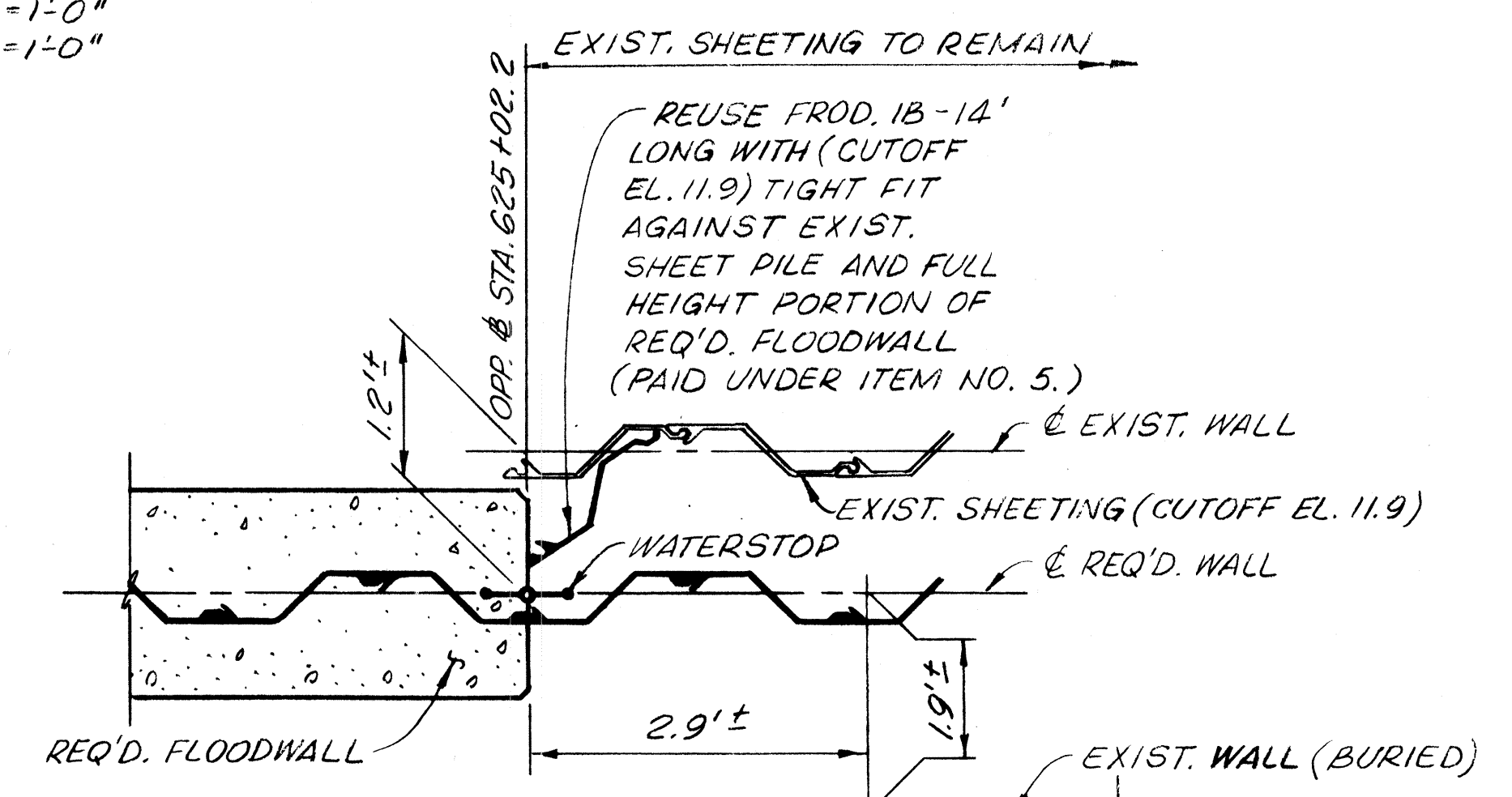
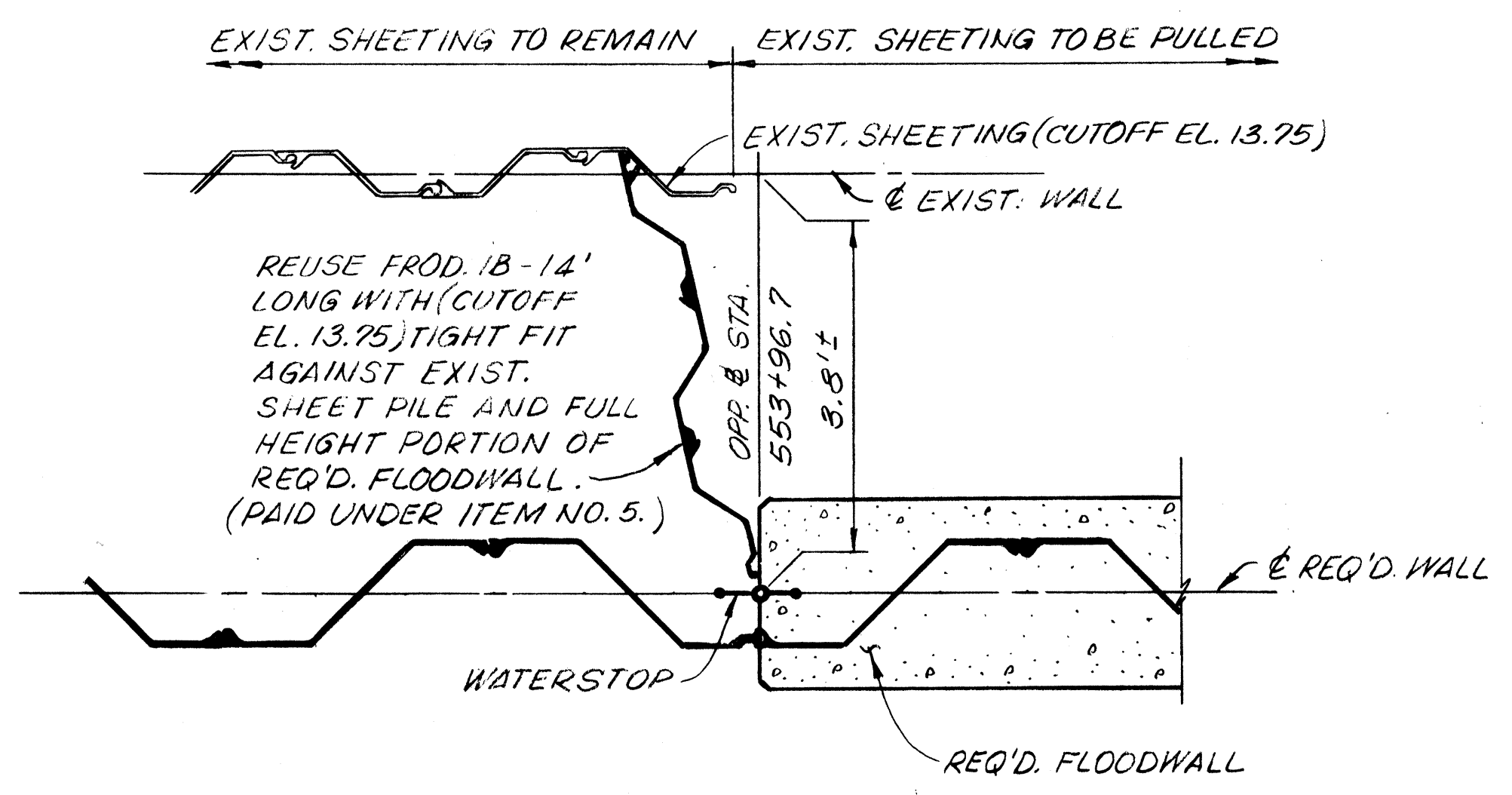
DATE	DESCRIPTION	BY	DESIGNED	MLC	DATE	MAR	1992
	REVISIONS		CHECKED				DWG. NO. 23 OF

STATE PROJECT	PARISH	SHEET NO.



HAMMOND HWY. TO VETERANS HWY., PANEL LAYOUT

ELEVATION PROTECTED SIDE
SCALE: HORIZ. = 3/32" = 1'-0"
VERT. = 3/8" = 1'-0"



NOTES:

FOR GENERAL NOTES, SEE DWG. NO. 3

FOR TYPICAL SECTIONS, SEE DWG. NO. 22.

CONTRACTOR SHALL FORM A CLOSURE BETWEEN THE EXIST. AND REQ'D. WALLS IN A MANNER SIMILAR TO THAT SHOWN. EXACT DETAIL MAY VARY BASED ON FIELD CONDITIONS.

FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWG. NO. 27.

FOR SHEET PILE NOTES, SEE DWG. NO. 22.

CONTRACTOR SHALL FORM ANGLE POINTS IN CONCRETE WALL AS REQ'D. BY ALIGNMENT OF SHEET PILE.

HAMMOND HWY. TO VETERANS HWY.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

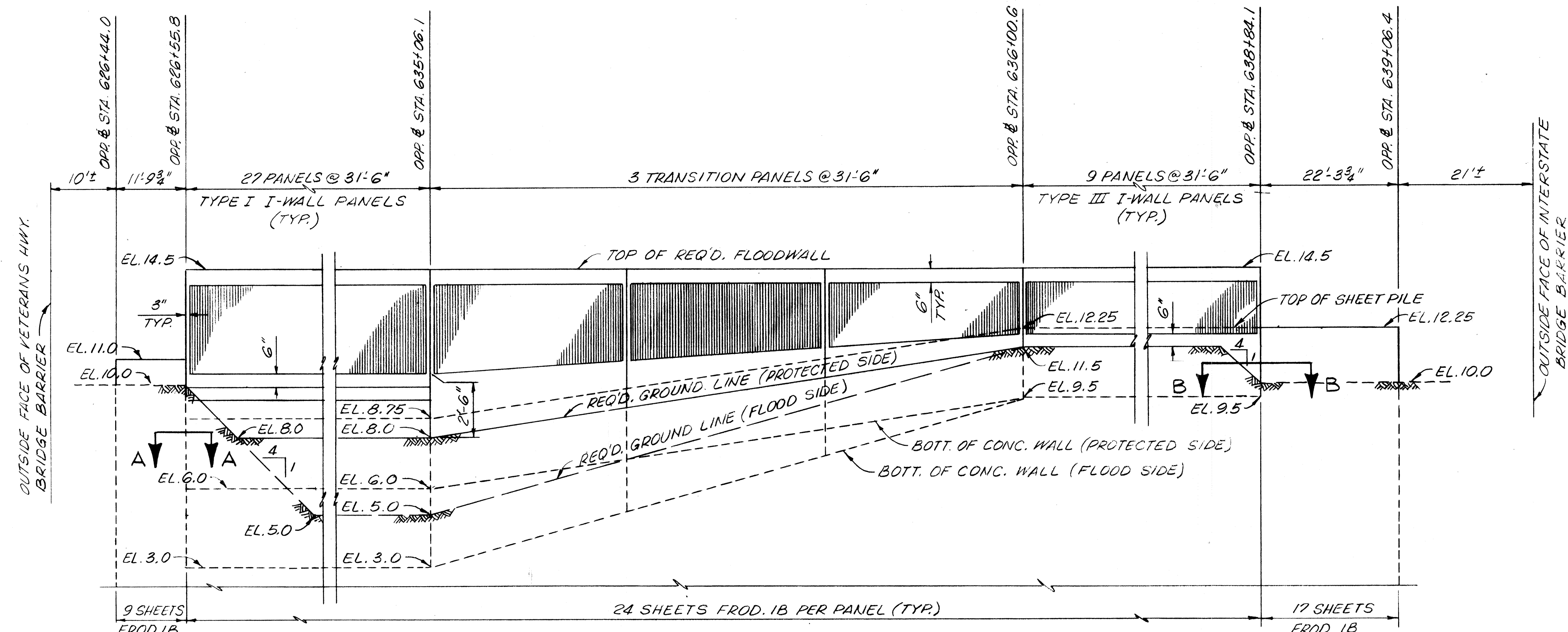
17TH STREET CANAL

FLOODWALL
PANEL LAYOUT & DETAILS-2

Modjeski & Masters New Orleans Louisiana	DESIGNED DATE	MLLS	DRAWN BY SCALE	JDB 1992
	CHECKED		DATE MAY	1992
			DWG. NO.	22 OF

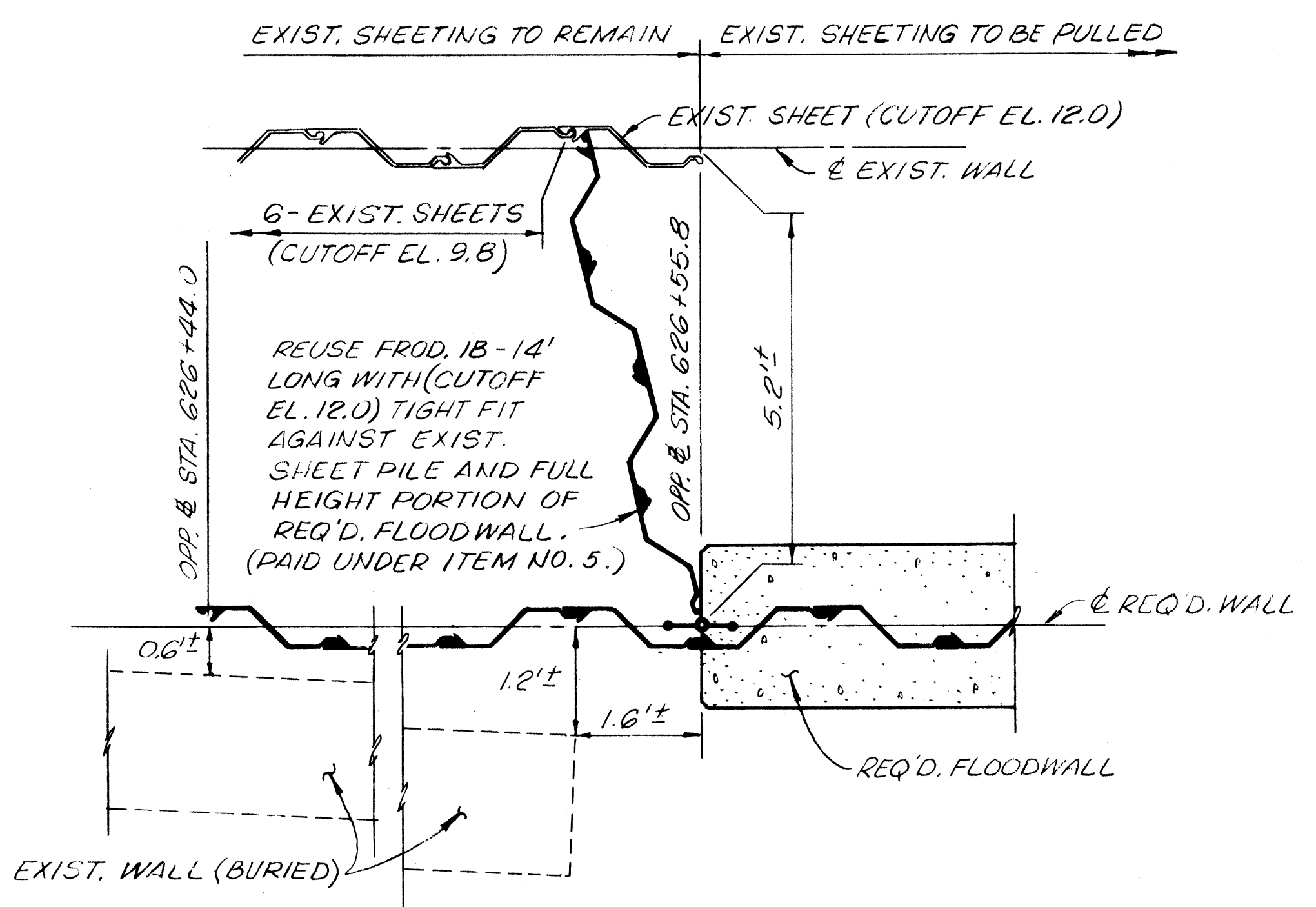
DATE	DESCRIPTION	BY	CHECKED
	REVISIONS		

STATE PROJECT	PARISH	SHEET NO.

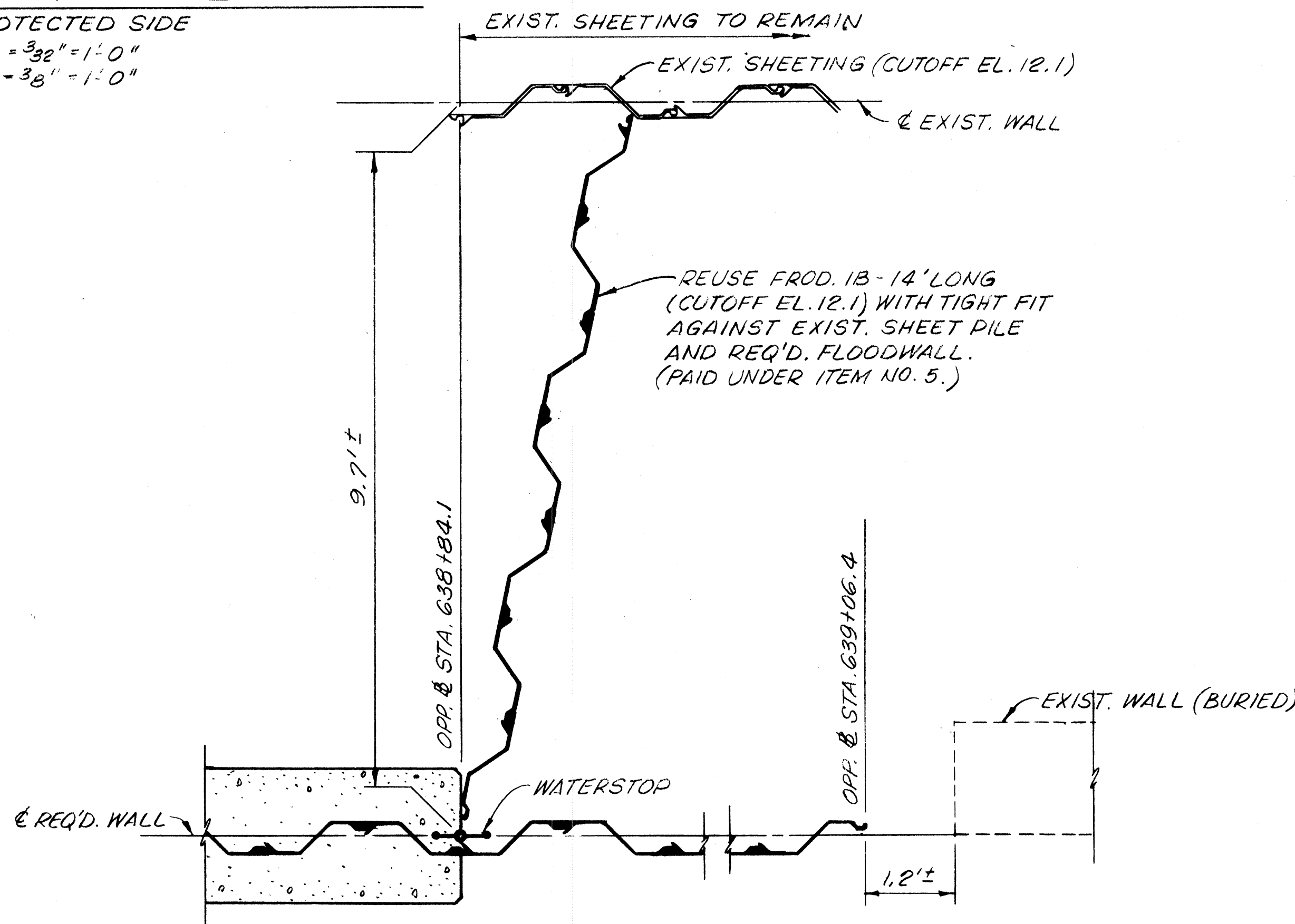


VETERANS TO I-10 WEST PANEL LAYOUT

ELEVATION PROTECTED SIDE
SCALE: HORIZ. = 3/32" = 1'-0"
VERT. = 3/8" = 1'-0"



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



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

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR TYPICAL SECTIONS, SEE DWG. NO. 22.
CONTRACTOR SHALL FORM A CLOSURE BETWEEN THE EXIST. AND REQ'D. WALLS IN A MANNER SIMILAR TO THAT SHOWN. EXACT DETAILS MAY VARY BASED ON FIELD CONDITIONS.
FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWG. NO. 27.
FOR SHEET PILE NOTES, SEE DWG. NO. 22.
CONTRACTOR SHALL FORM ANGLE POINTS IN CONCRETE WALL AS REQ'D. BY ALIGNMENT OF SHEET PILE.

VETERANS HWY. TO I-10 WEST

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

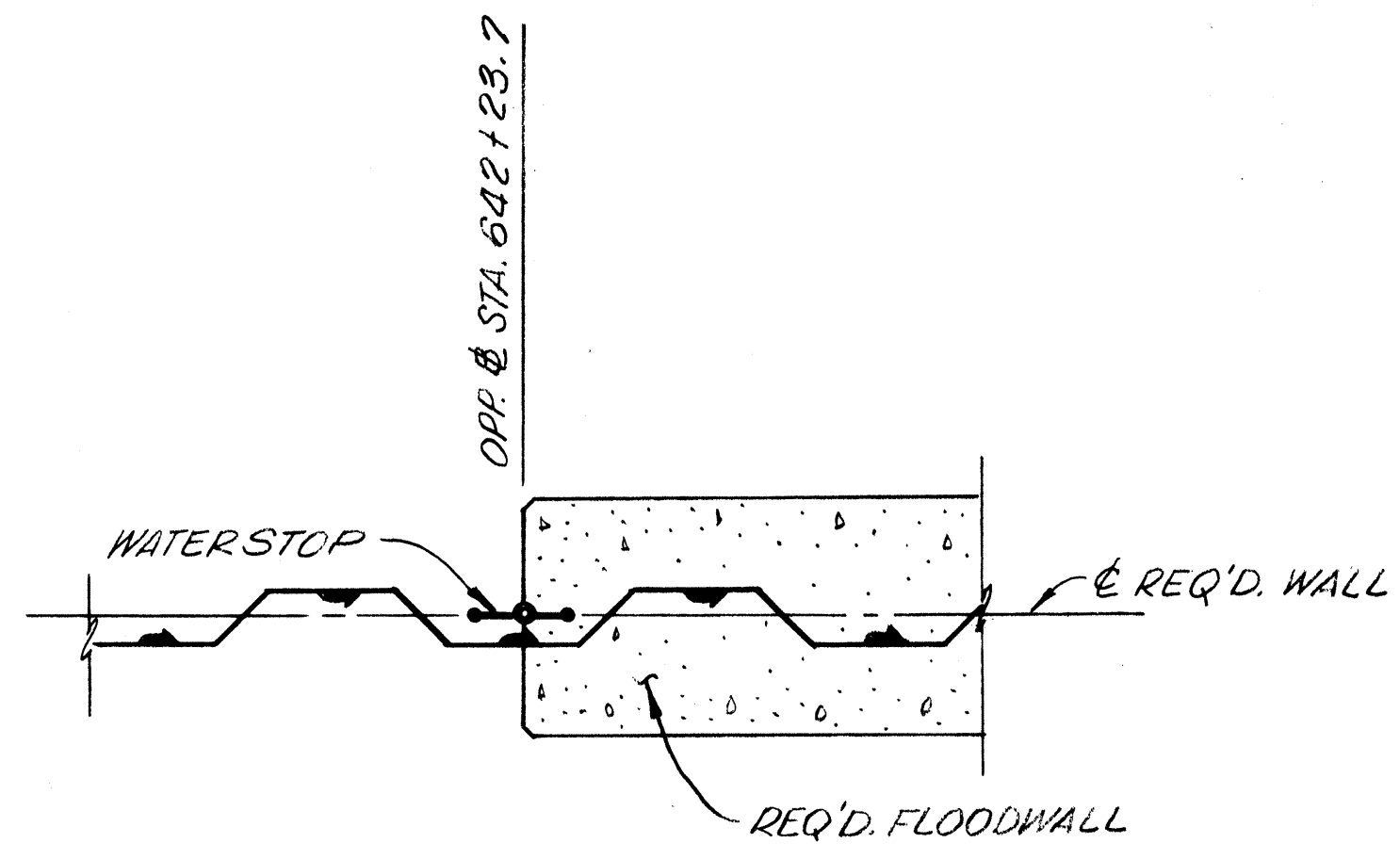
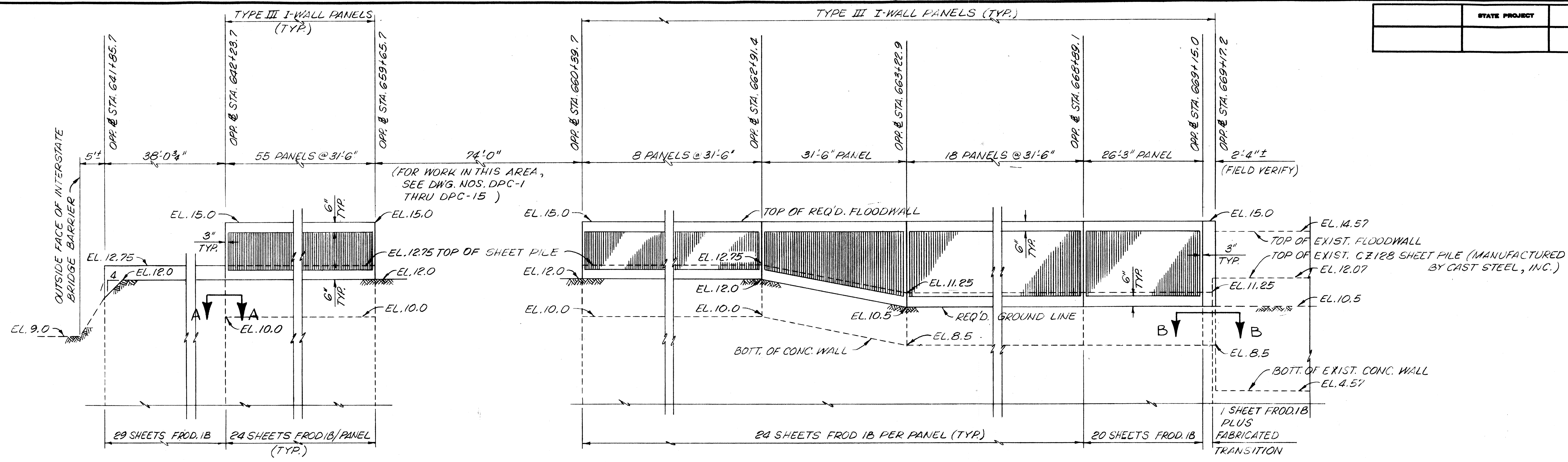
17TH STREET CANAL

FLOODWALL
PANEL LAYOUT & DETAILS-3

New Orleans		Louisiana		DRAWN BY	JDB
DESIGNED	MLS	DATE	MAR	1992	SCALE
CHECKED		CHECKED		DWG. NO.	25 OF

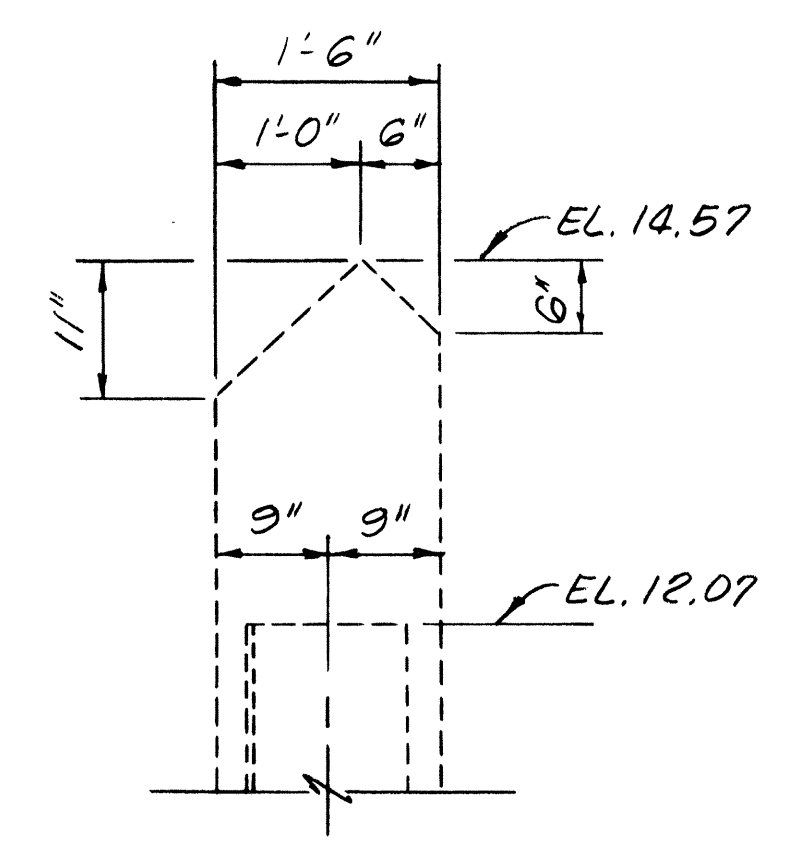
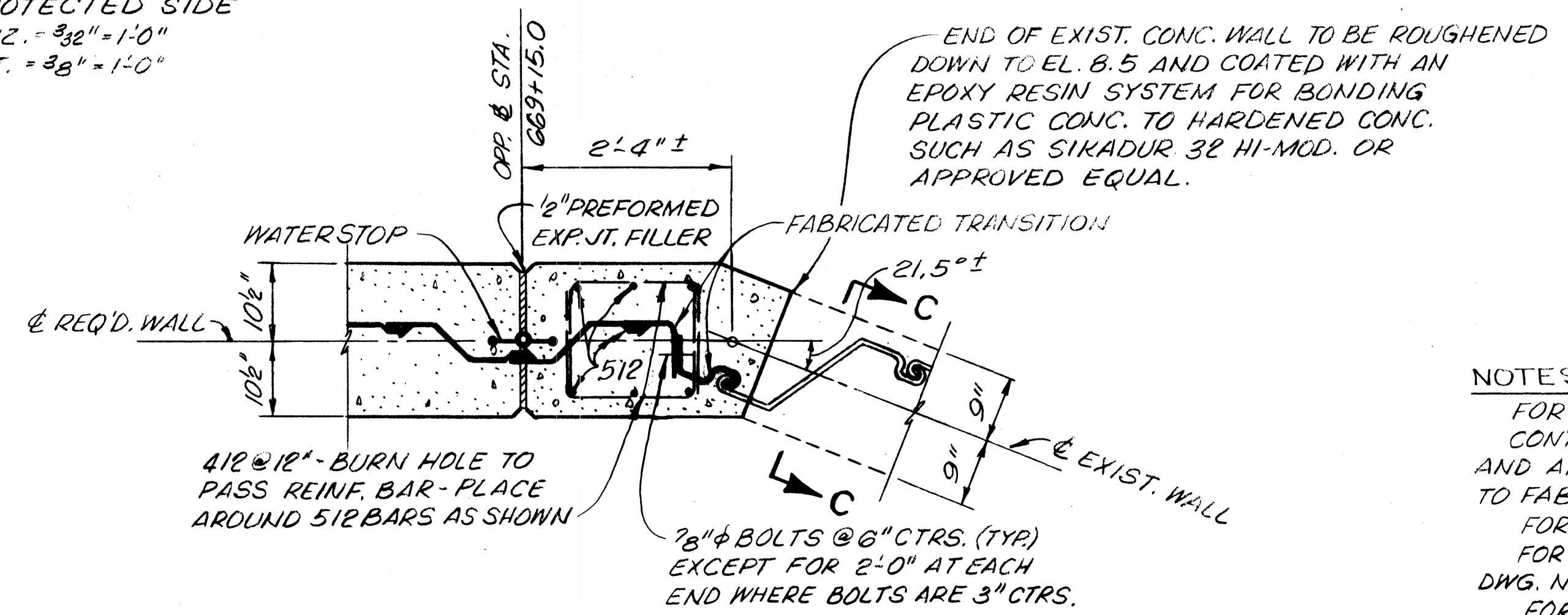
DATE	DESCRIPTION	BY
	REVISIONS	

STATE PROJECT	PARISH	SHEET NO.



I-10 EAST TO SOUTHERN RAILWAY PANEL LAYOUT

ELEVATION PROTECTED SIDE
SCALE: HORIZ. = 3/32" = 1'-0"
VERT. = 3/8" = 1'-0"



NOTES:

FOR GENERAL NOTES, SEE DWG. NO. 3.

CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ANGLE FOR FABRICATED TRANSITION PRIOR TO FABRICATION.

FOR TYPICAL SECTIONS, SEE DWG. NO. 22

FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWG. NO. 27.

FOR SHEET PILE NOTES, SEE DWG. NO. 22.

CONTRACTOR SHALL FORM ANGLE POINTS IN CONCRETE WALL AS REQ'D. BY ALIGNMENT OF SHEET PILE.

I-10 EAST TO SOUTHERN RAILWAY

The Board of Vevee Commissioners
OF THE
East Jefferson Vevee District

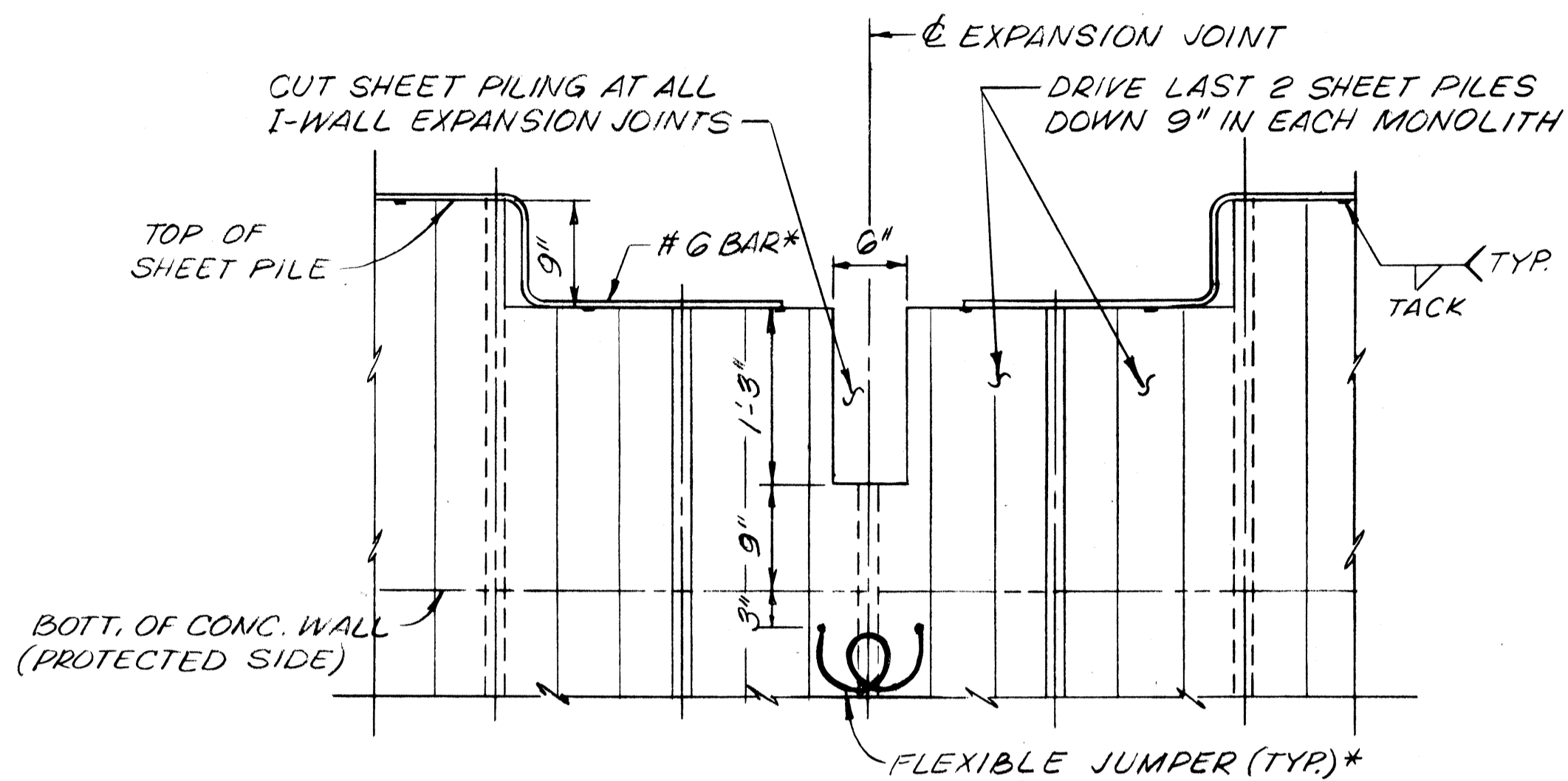
17TH STREET CANAL

FLOODWALL
PANEL LAYOUT & DETAILS-4

DATE	DESCRIPTION	BY	DATE	SCALE
	PREVISIONS			
DESIGNED		MLC	DETAILED	JDB
CHECKED			DATE	MAR 1992
			DWG. NO.	26

DATE PLOTTED: 11/20/92

STATE PROJECT	PARISH	SHEET NO.

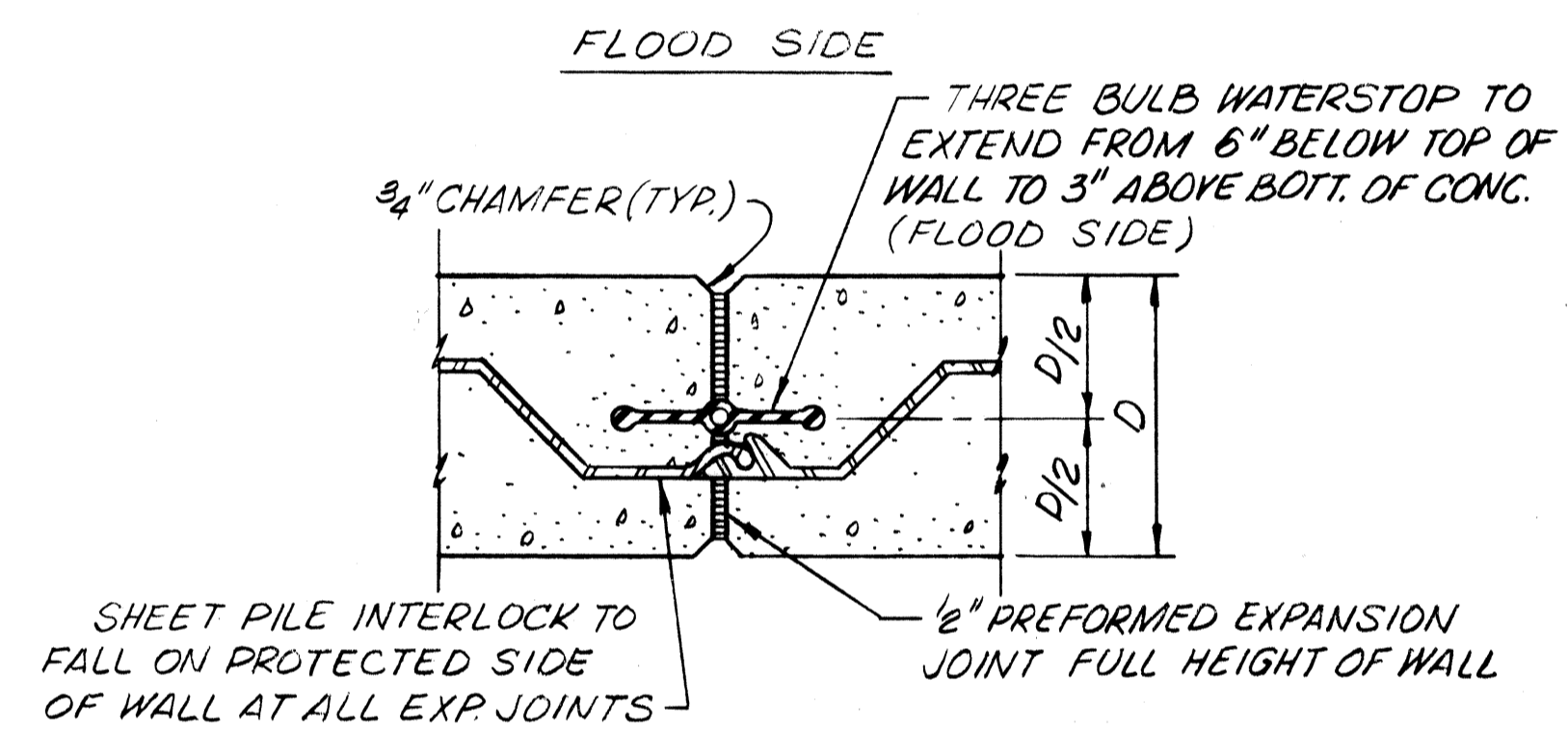


SHEET PILING DETAILS I-WALL EXP. JOINTS

SCALE: 1" = 1'-0"

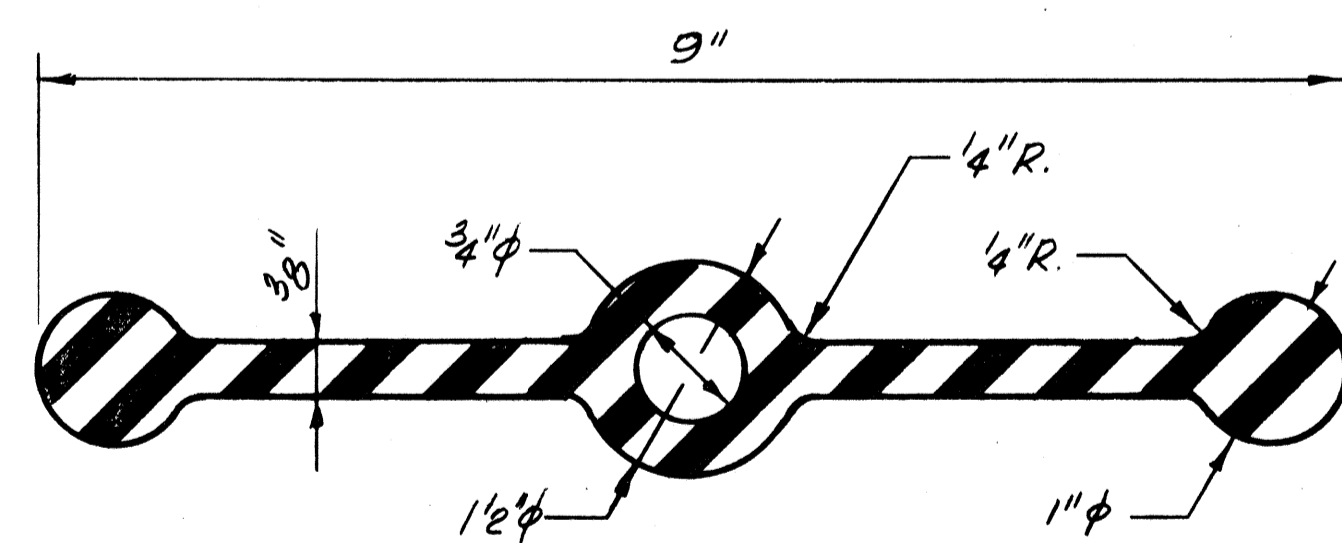
BONDING NOTE:
 #6 REINFORCING BAR SHALL BE WELDED ACROSS THE TOP OF EACH SHEET PILE. #6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE EXPANSION JOINT. SPlicing OF #6 REINFORCING BAR WILL NOT BE ALLOWED.

INSTALL FLEXIBLE JUMPER AT ALL EXPANSION JOINTS. JUMPERS SHALL BE INSULATED NO. 1/0 AWG COPPER TYPE USE, INSULATED WITH A MINIMUM OF 95 MILS OF CROSS LINKED POLYETHYLENE IN A 8" DIA. LOOP. JUMPERS SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL SHEET PILES 3" BELOW THE BOTTOM OF THE CONCRETE CAP. WELDED CONNECTIONS SHALL BE COATED WITH SPlicing EPOXY TO OBTAIN MOISTURE PROOF JOINTS.



TYPICAL I-WALL EXP. JOINT

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



THREE BULB WATERSTOP

SCALE: 9" = 1'-0"

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 3.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

FLOODWALL
 JOINT DETAILS

New Orleans		Louisiana		DRAWN BY	JDB
DESIGNED	MLS	DETAILED		SCALE	
CHECKED		CHECKED		DATE	MAR 1992
REVISIONS				DWG. NO.	27 OF

DATE	DESCRIPTION	BY

STATE PROJECT	PARISH	SHEET NO.

BL 635+06.1 TO BL 635+37.6 (1 PANEL)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT	
401	17	4	2'-3"	17		0'-6"	1'-3"	0'-6"								26	
403	28	4	31'-0"	STR												580	
501	24	5	2'-3"	17		0'-6"	1'-3"	0'-6"								56	
508	X2= 32 64	5	TO 8'-2"	2	1'-3"	TO 7'-11"										2 PER MARK	579
602	1	6	31'-9"	S4	1'-9"	0'-9"	26'-9"	0'-9"	1'-9"							48	
616	32	6	4'-3"	STR												204	

TOTAL: 1,493 LBS.

BL 635+37.6 TO BL 635+69.1 (1 PANEL)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT	
401	17	4	2'-3"	17		0'-6"	1'-3"	0'-6"								26	
403	24	4	31'-0"	STR												497	
501	24	5	2'-3"	17		0'-6"	1'-3"	0'-6"								56	
509	X2= 32 64	5	TO 8'-0"	2	1'-3"	TO 7'-0"										2 PER MARK	501
602	1	6	31'-9"	S4	1'-9"	0'-9"	26'-9"	0'-9"	1'-9"							48	
617	32	6	3'-3"	STR												156	

TOTAL: 1,284 LBS.

BL 635+69.1 TO BL 636+00.6 (1 PANEL)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT	
401	17	4	2'-3"	17		0'-6"	1'-3"	0'-6"								26	
403	19	4	31'-0"	STR												393	
501	24	5	2'-3"	17		0'-6"	1'-3"	0'-6"								56	
510	X2= 32 64	5	TO 6'-10"	2	1'-3"	TO 5'-7"										2 PER MARK	579
602	1	6	31'-9"	S4	1'-9"	0'-9"	26'-9"	0'-9"	1'-9"							48	
618	32	6	2'-3"	STR												108	

TOTAL: 1,207 LBS.

BL 636+00.6 TO BL 638+84.1 (9 PANELS), BL 641+85.7 TO BL 662+91.4 (63 PANELS W/OUT PIPE CROSSING)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT
401	17	4	2'-3"	17		0'-6"	1'-3"	0'-6"								26
403	14	4	31'-0"	STR												290
501	24	5	2'-3"	17		0'-6"	1'-3"	0'-6"								56
506	64	5	5'-9"	2	1'-3"	4'-6"										384
602	1	6	31'-9"	S4	1'-9"	0'-9"	26'-9"	0'-9"	1'-9"							48

TOTAL: 804 X 72=
57,888 LBS.

BL 662+91.4 TO BL 663+22.9 (1 PANEL)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT	
401	17	4	2'-3"	17		0'-6"	1'-3"	0'-6"								26	
403	18	4	31'-0"	STR												373	
501	24	5	2'-3"	17		0'-6"	1'-3"	0'-6"								56	
507	X2= 32 64	5	TO 5'-9"	2	1'-3"	TO 4'-6"										2 PER MARK	417
602	1	6	31'-9"	S4	1'-9"	0'-9"	26'-9"	0'-9"	1'-9"							48	

TOTAL: 920 LBS.

BL 663+22.9 TO BL 668+89.1 (18 PANELS)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT
401	17	4	2'-3"	17		0'-6"	1'-3"	0'-6"								26
403	18	4	31'-0"	STR												373
501	24	5	2'-3"	17		0'-6"	1'-3"	0'-6"								56
502	64	5	7'-3"	2	1'-3"	6'-0"										484
602	1	6	31'-9"	S4	1'-9"	0'-9"	26'-9"	0'-9"	1'-9"							48

TOTAL: 987 X 18=
17,766 LBS.

BL 668+89.1 TO BL 669+15.0 (1 PANEL)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT
401	14	4	2'-3"	17		0'-6"	1'-3"	0'-6"								21
408	18	4	25'-9"	STR												310
501	20	5	2'-3"	17		0'-6"	1'-3"	0'-6"								47
502	54	5	7'-3"	2	1'-3"	6'-0"										408
607	1	6	26'-6"	S4	1'-9"	0'-9"	21'-6"	0'-9"	1'-9"							40

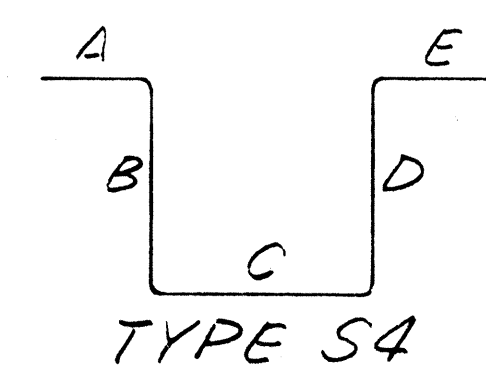
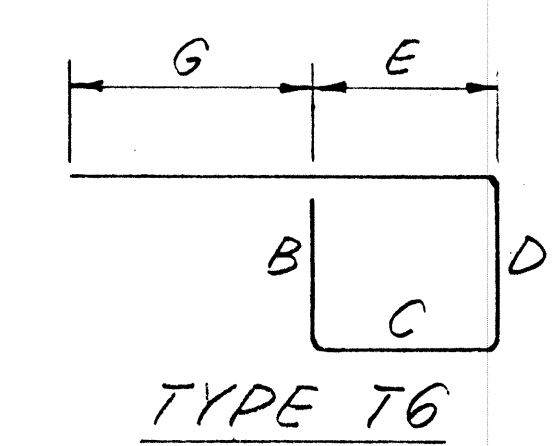
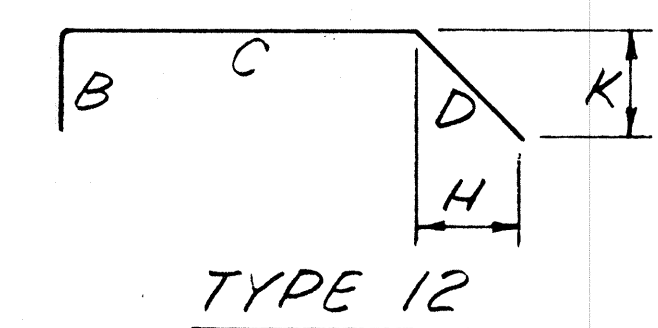
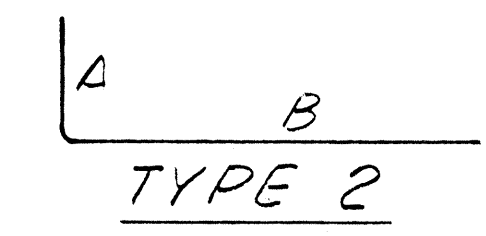
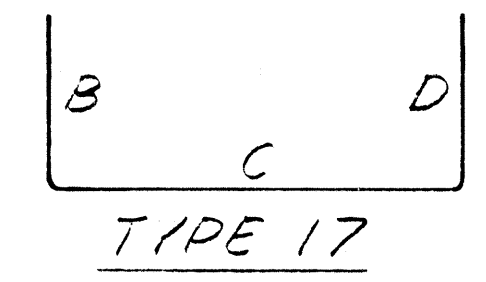
TOTAL: 826 LBS.

BL 669+15.0 TO 669+17.2 (1 PANEL)

MARK	NUMBER	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	WEIGHT
412	14	4	4'-0"	17		1'-3"	1'-6"	1'-3"								37
512	6	5	6'-0"	STR												38
610	1	6	2'-0"	STR												3

TOTAL: 78 LBS.

TOTAL REINFORCING STEEL: 597,733 LBS.



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
REBAR QUANTITIES - 2

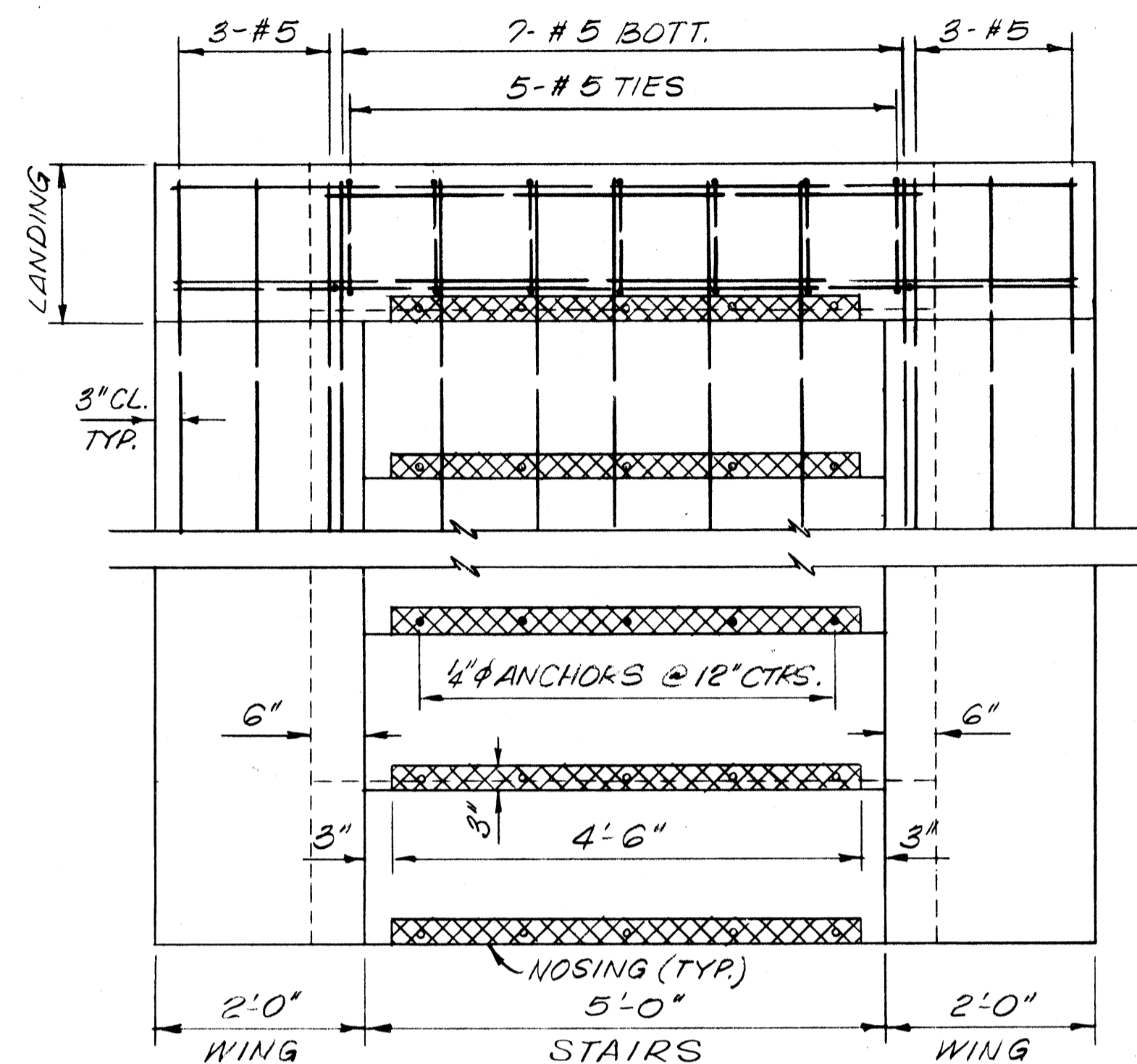
Modjeff & Masters New Orleans, Louisiana	DRAWN BY
SCALE	
DESIGNED FS	DATE MAR 1992
CHECKED MLS	DWG. NO. 28A OF

DATE	DESCRIPTION	BY
	REVISIONS	

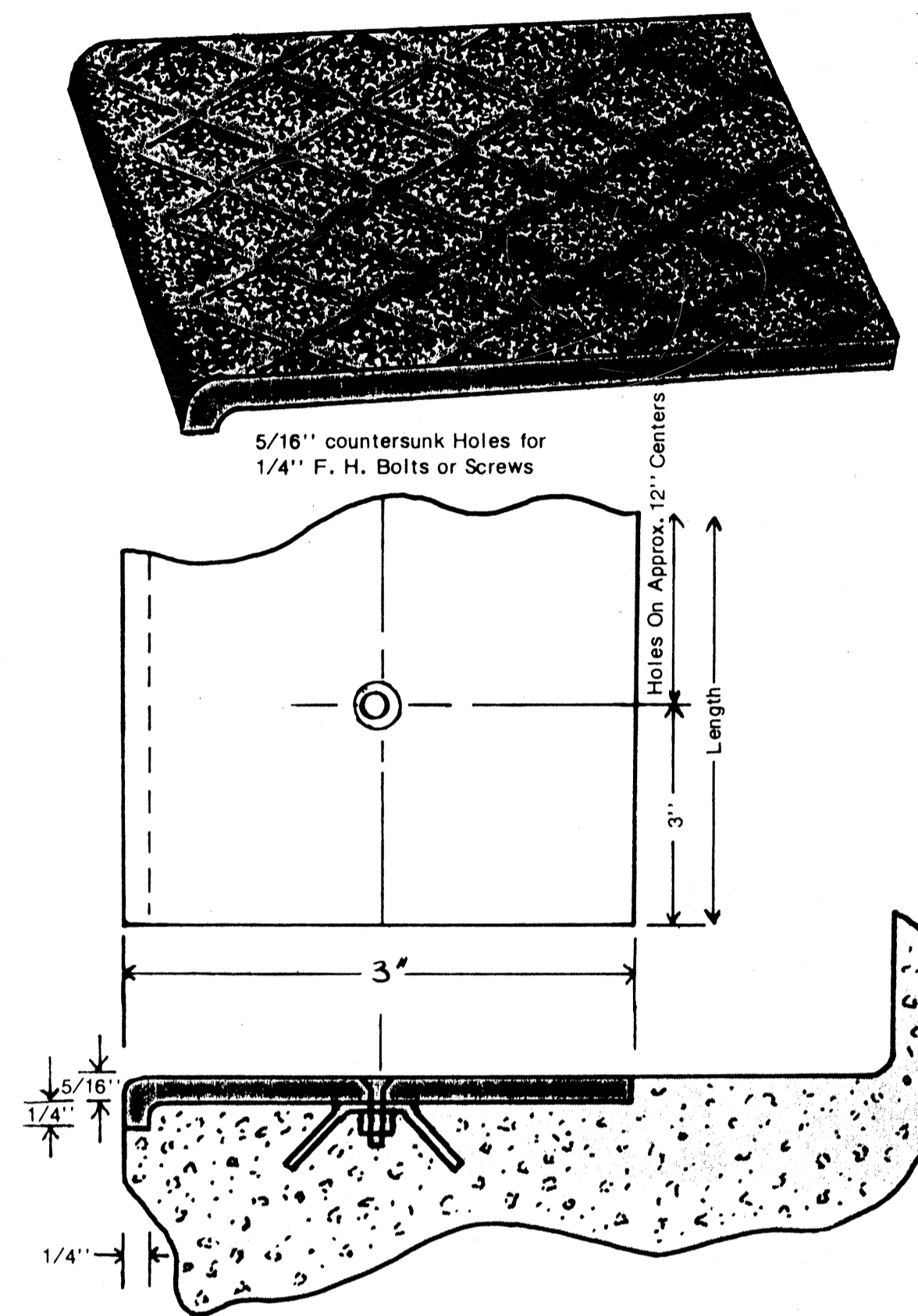
STATE PROJECT	PARISH	SHEET NO.

CONCRETE STEP TABLE

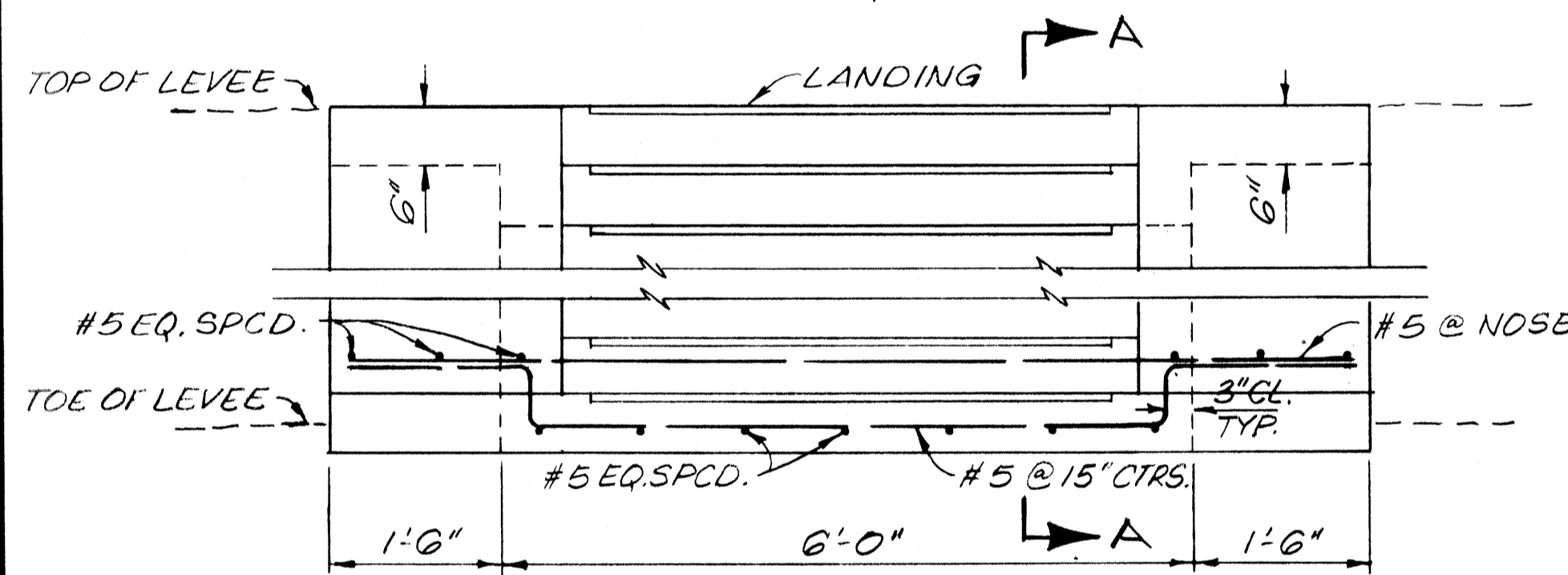
STREET & STATION	ELEVATIONS		DIMENSIONS				STEPS REQ'D.
	A	B	C	D	E	F	
ROSEBUD ST. 590+44±	7.0	3.5	1'-9"	4'-0"	14'-0"	11'-6"	8
LONDON ST. 604+77±	7.0	2.4	2'-0"	5'-0"	20'-0"	11'-6"	10
RASPBERRY ST. 616+82±	7.5	1.1	1'-6"	6'-6"	19'-6"	9'-0"	13
HOLLYGROVE ST. 643+00±	12.0	2.0	1'-6"	10'-0"	30'-0"	6'-6"	20
PINK ST. 669+17±	10.5	1.3	1'-6"	9'-6"	28'-6"	15'-0"	19



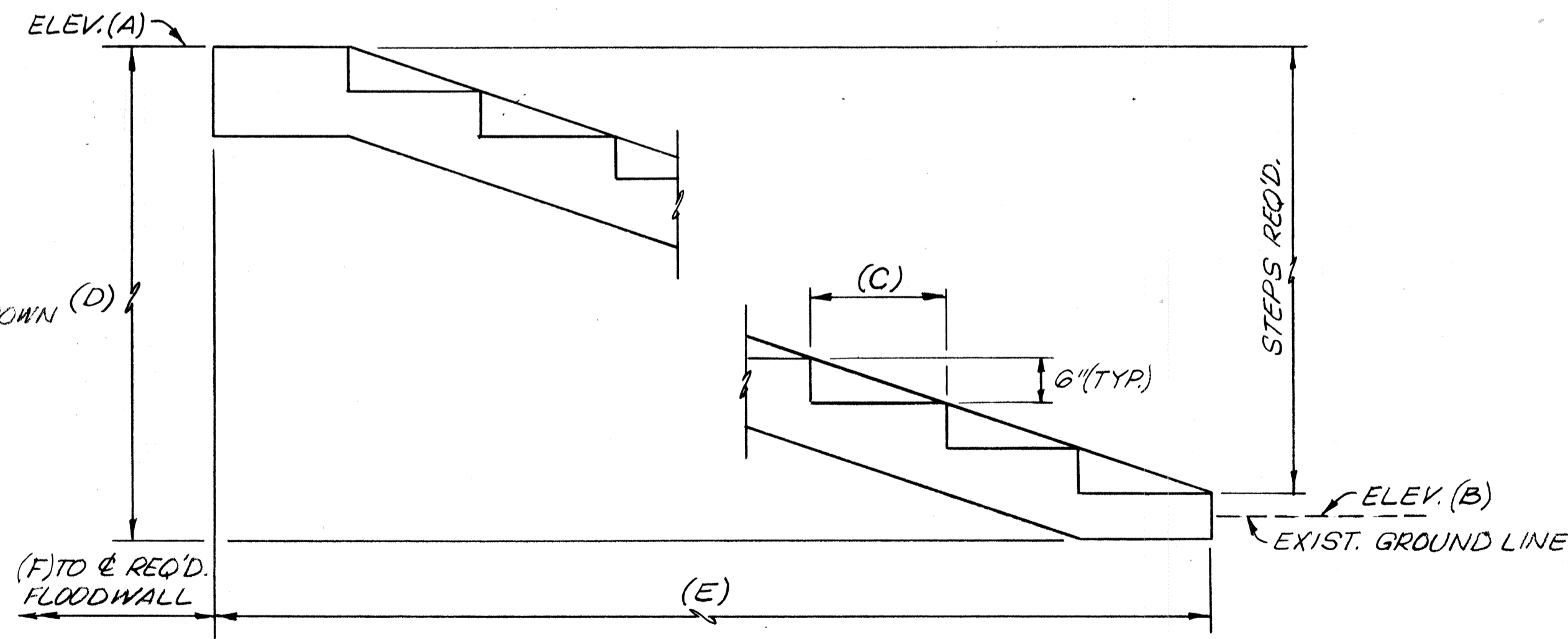
PLAN
SCALE: 3/4" = 1'-0"



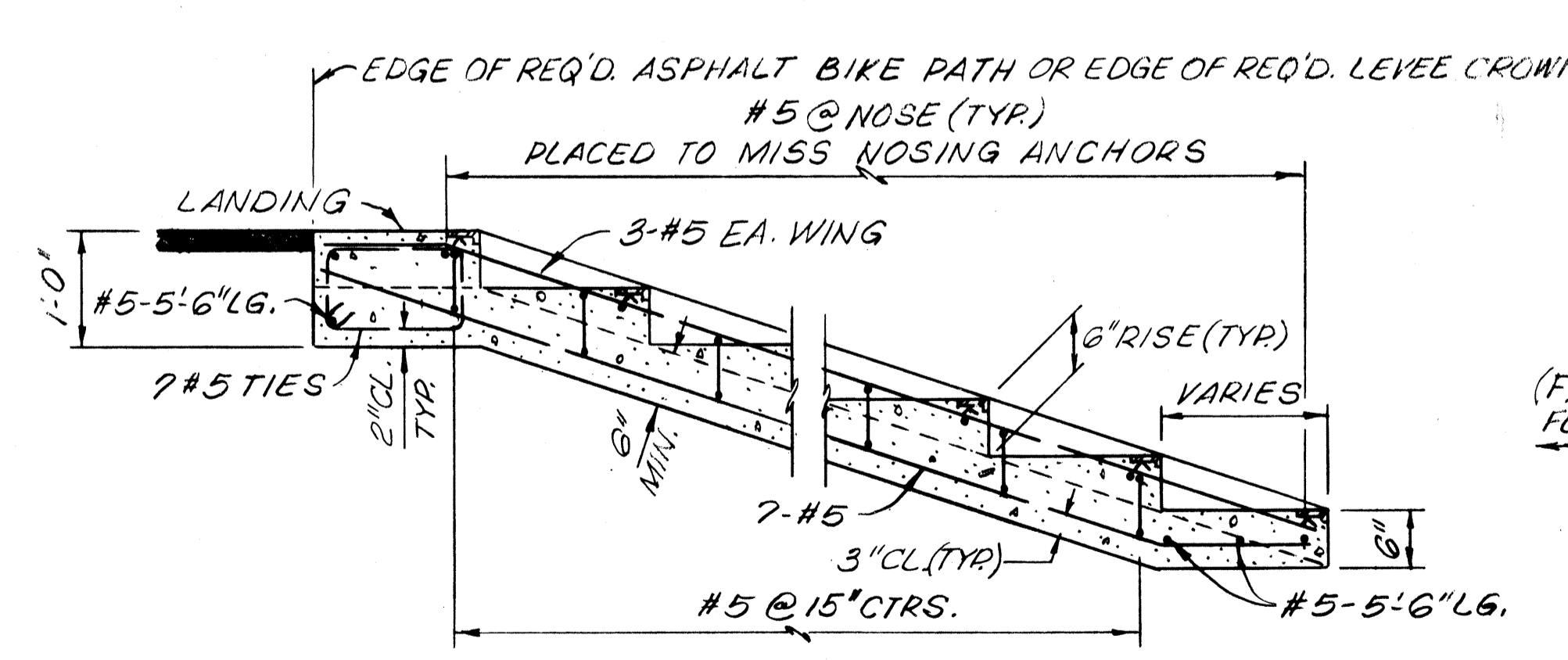
NOSE DETAILS
N.T.S.



ELEVATION
SCALE: 3/4" = 1'-0"



CONCRETE STEP SCHEMATIC
(SEE TABLE)



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

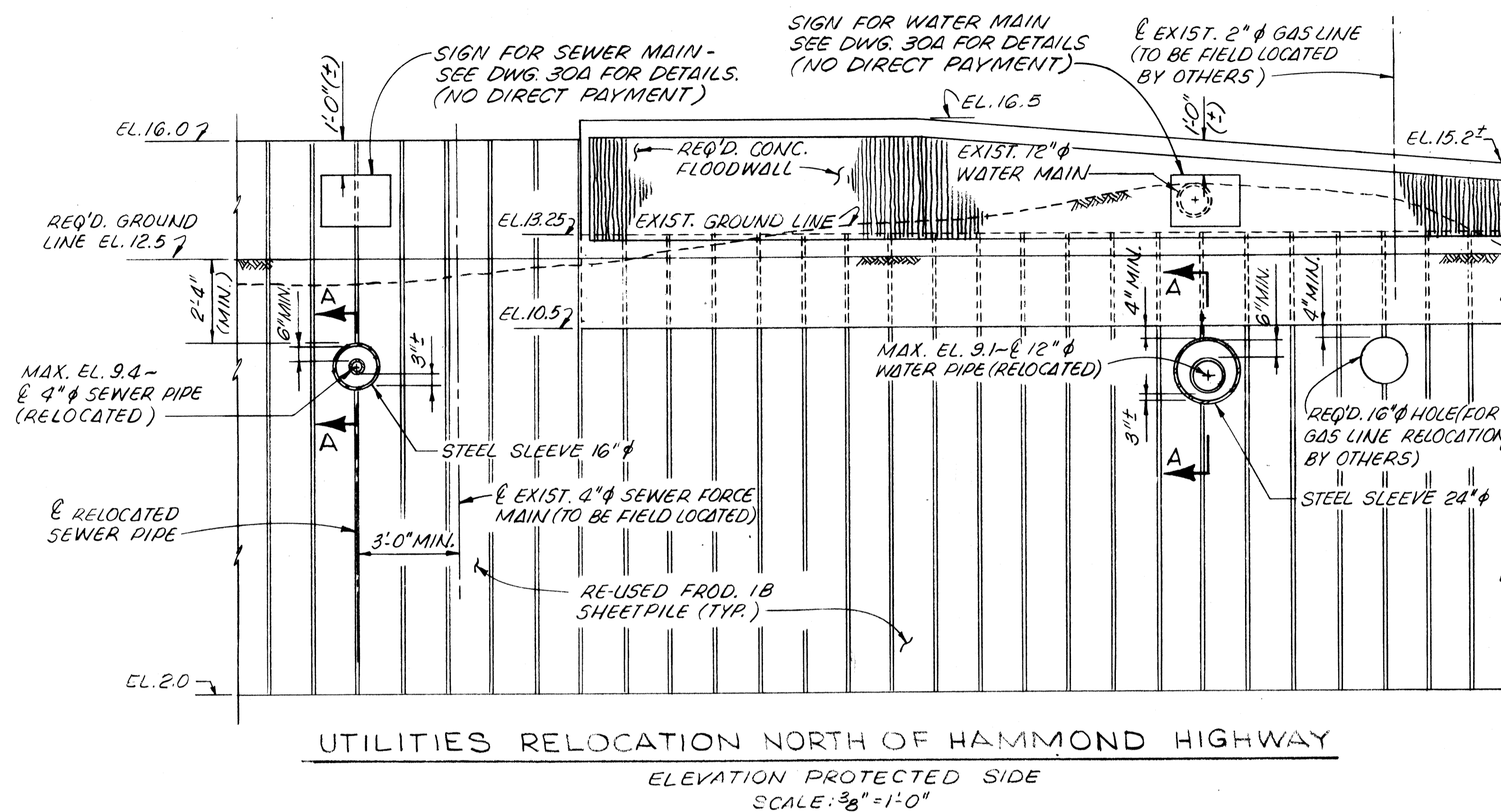
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
NOSINGS SHALL BE FERROBRASIVE (CAST IRON)
CROSS-HATCHED SURFACE SUCH AS STUBBS FOUNDRY
COMPANY STYLE 1 OR APPROVED EQUAL.
28-DAY COMPRESSIVE STRENGTH, f'c, SHALL
BE 2000 PSI. MIN.
REBAR SHALL BE GRADE 60.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL

CONCRETE STEPS

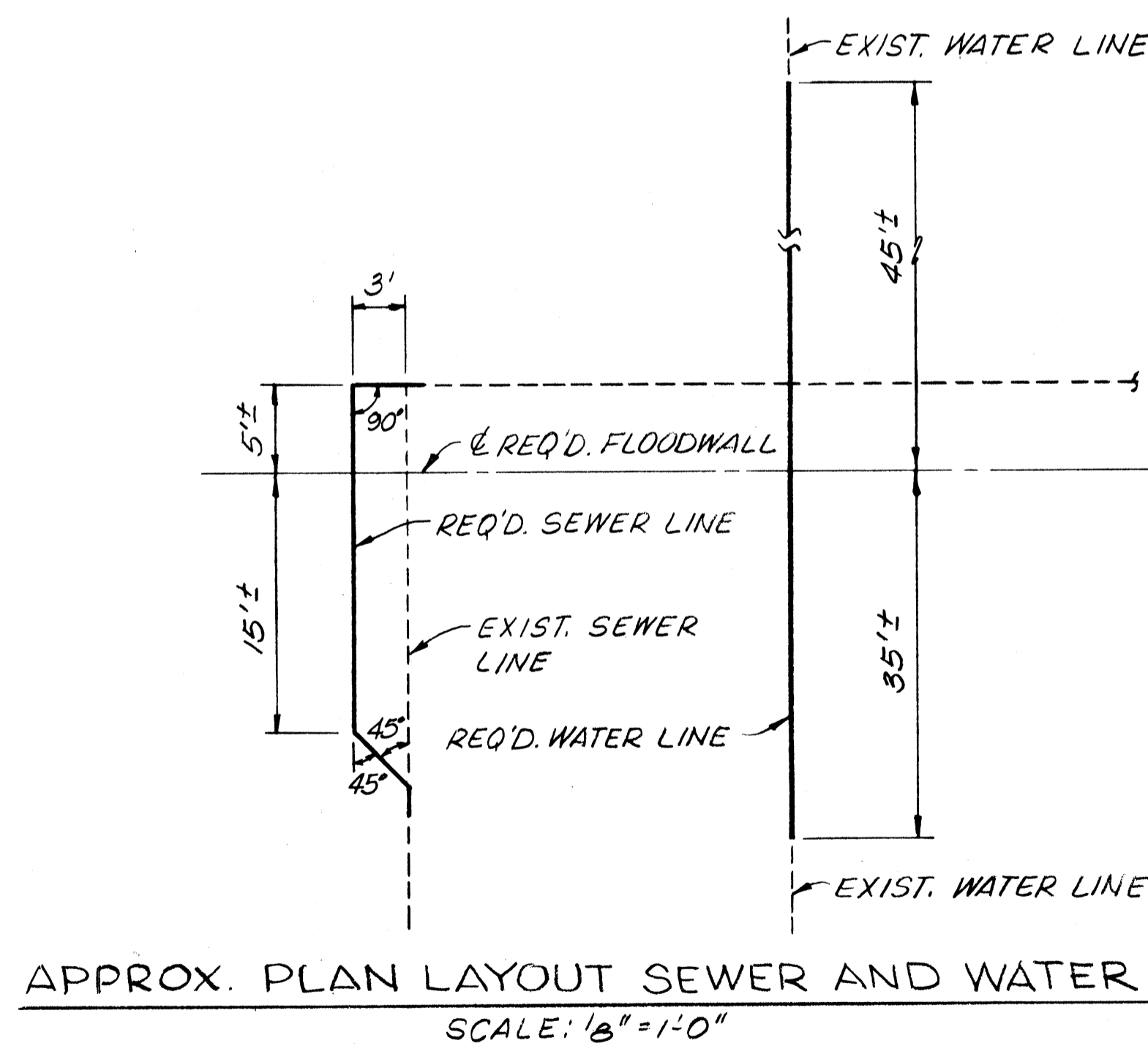
DESIGNED	FS	DATE	MAR	1998
CHECKED	MLS	DATE		
DRAWN BY		JDB		
SCALE		DATE		
REVISIONS		DWG. NO. 29 OF		

STATE PROJECT	PARISH	SHEET NO.
		30



UTILITIES RELOCATION NORTH OF HAMMOND HIGHWAY

ELEVATION PROTECTED SIDE
SCALE: 3/8" = 1'-0"



APPROX. PLAN LAYOUT SEWER AND WATER

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

NOTE: ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE ADJUSTED AFTER LINES ARE FIELD LOCATED BY THE CONTRACTOR.



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

PROCEDURE FOR MOVING UTILITIES
NORTH OF HAMMOND HIGHWAY
(CONTRACTOR WORKING EASTWARD)

1. PRIOR TO THE COMMENCEMENT OF ANY WORK NORTH OF HAMMOND HIGHWAY, THE CONTRACTOR SHALL NOTIFY:

CHARLIE WILSON- 736-6793 (JEFF. PARISH-SEWER AND WATER)

BOR UHLICH - 456-7092 (LOUISIANA GAS SERVICE-GAS)

THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE PRELIMINARY SCHEDULING WITH LOUISIANA GAS SERVICE PRIOR TO THE COMMENCEMENT OF ANY WORK ON THIS CONTRACT AND SHALL KEEP THEM UPDATED OF ANY REVISIONS TO THE AGREED UPON SCHEDULE. (THERE SHALL BE NO DIRECT PAYMENT FOR ANY WORK ASSOCIATED WITH THE GAS LINE.)

2. UNDER THE SUPERVISION OF REPRESENTATIVES OF JEFFERSON PARISH, THE CONTRACTOR WILL LOCATE THE 12" WATER MAIN AND 4" SEWER FORCE MAIN AND ESTABLISH THE EXISTING PROFILE OF EACH LINE. LOUISIANA GAS SERVICE WILL LOCATE THEIR LINE.

3. PRIOR TO INSTALLATION OF THE REQUIRED REPLACEMENT PIPE FOR THE SEWER AND WATER LINES, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, FOR APPROVAL:

- A. A PIPE LAYOUT IN PLAN AND ELEVATION SHOWING THE LIMITS OF PIPE REPLACEMENT RELATIVE TO THE CENTERLINE OF THE FLOODWALL, AND DETAILS OF JOINTS, FITTINGS, AND TIE-INS. THERE SHALL BE A MINIMUM OF 3 FEET OF GROUND COVER FOR THE WATER LINE AND 3 FEET OF GROUND COVER FOR THE SEWER LINE.
- B. A WRITTEN LIST OF MATERIALS TO BE FURNISHED, SHOWING THE MANUFACTURER AND DESIGNATION OF ALL ITEMS. SEE SECTION 7 OF THE CONTRACT SPECIFICATIONS.

4. WHEN THE CONTRACTOR IS READY TO DRIVE SHEET PILING IN THE AREA OF THE SEWER LINE, HE SHALL AGAIN NOTIFY JEFFERSON PARISH PERSONNEL AT THE ABOVE NUMBER. NO SHEET PILE SHALL BE DRIVEN WITHIN 5 FEET OF THE SEWER OR WATER LINE WITHOUT THE PRESENCE OF JEFFERSON PARISH PERSONNEL.

5. WITH JEFFERSON PARISH REPRESENTATIVES PRESENT, THE CONTRACTOR SHALL DRIVE THE SHEET PILE REQUIRED TO COMPLETE THE OFFSET OF THE SEWER LINE.

6. THE CONTRACTOR SHALL INSTALL THE REQUIRED STEEL SLEEVE, PLASTIC SEALANT AND RUBBER BOOTS, AND REPLACEMENT SECTION OF SEWER PIPE. THE LOCATION FOR THE REQUIRED REPLACEMENT PIPE IS TO BE CLEANED AND THE SOIL BENEATH THE REPLACEMENT PIPE COMPACTED PRIOR TO INSTALLING THE REPLACEMENT PIPE. THE ELEVATION OF THE TOP OF THE RELOCATED SEWER/WATER LINE SHALL BE +9.6 MAXIMUM TO ALLOW FOR A 4-INCH CLEARANCE FROM THE BOTTOM OF THE REQUIRED CONCRETE WALL TO THE TOP OF THE REQUIRED STEEL SLEEVE. IF THE EXISTING LINE ELEVATION ALLOWS A LOWER ELEVATION FOR PASSAGE THROUGH THE FLOODWALL, THE EXISTING ELEVATION SHALL BE USED.

7. THE CONTRACTOR SHALL THEN COMPLETE THE DETAILS OF THE RELOCATION INCLUDING TYING THE NEW PIPE TO THE EXISTING PIPE AND BACKFILLING AND COMPACTING THE TRENCH. THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS IN ACCORDANCE WITH JEFFERSON PARISH STANDARD DETAILS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL ARRANGE FOR TEMPORARY BYPASS PUMPING OF SANITARY SEWAGE AT NO ADDITIONAL EXPENSE.

8. THE CONTRACTOR SHALL COORDINATE WITH JEFFERSON PARISH PERSONNEL TO CUT AND PLUG THE WATER LINE. THE PIPE SHALL BE CUT AND PLUGGED IN ACCORDANCE WITH THE JEFFERSON PARISH STANDARD DETAILS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL FATHI OF THE SEWERAGE AND WATER BOARD IN WRITING AT LEAST 14 DAYS PRIOR TO CUTTING THE WATER LINE TO ENSURE CONTINUOUS WATER SERVICE TO THE AREA NORTH OF HAMMOND HIGHWAY SERVED BY THE WATER LINE. THERE IS A TIME LIMIT OF SEVEN CALENDAR DAYS DURING WHICH THE WATER LINE SHALL BE CUT, PLUGGED, NEW SECTION INSTALLED AND FULLY RESTORED. ALL WATER PIPE REMOVED DURING THIS WORK SHALL BE DELIVERED TO THE JEFFERSON PARISH EAST BANK WATERWORKS SITE ON JEFFERSON HIGHWAY. SEWER PIPE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.

9. REPRESENTATIVES OF LOUISIANA GAS SERVICE WILL EXPOSE THEIR BURIED LINE. THE CONTRACTOR SHALL NOT DRIVE ANY SHEETING WITHIN 5 FEET OF THE GAS LINE WITHOUT THE PRESENCE OF LOUISIANA GAS SERVICE PERSONNEL.

10. LOUISIANA GAS SERVICE SHALL CLEAN OUT THE TRENCH AND COMPACT THE SOIL BENEATH THE REQUIRED PIPE LOCATION.

11. WITH LOUISIANA GAS SERVICE REPRESENTATIVES PRESENT, THE CONTRACTOR SHALL DRIVE THE REQUIRED SHEET PILING UP TO THE LOCATION OF THE REQUIRED GAS LINE. THE CONTRACTOR SHALL CUT A 16 INCH DIAMETER NOTCH IN THE SHEET PILE AT THE LOCATION REQUIRED BY LOUISIANA GAS SERVICE.

12. LOUISIANA GAS SERVICE SHALL THEN HAVE 24 HOURS TO COMPLETE THE RELOCATION OF THEIR LINE THROUGH THE FLOODWALL, INCLUDING BACKFILLING AND COMPACTING THE TRENCH. DURING THIS TIME, THE CONTRACTOR MAY BEGIN THE WATER LINE RELOCATION; HOWEVER, HE SHALL NOT INTERFERE WITH THE GAS COMPANY'S RELOCATION OPERATIONS.

13. THE CONTRACTOR SHALL THEN COMPLETE ALL DETAILS OF RELOCATING THE WATER LINE RELOCATION THROUGH THE SHEET PILE WALL AND CONTINUE DRIVING THE REQUIRED SHEET PILING EASTWARD.

NOTES:

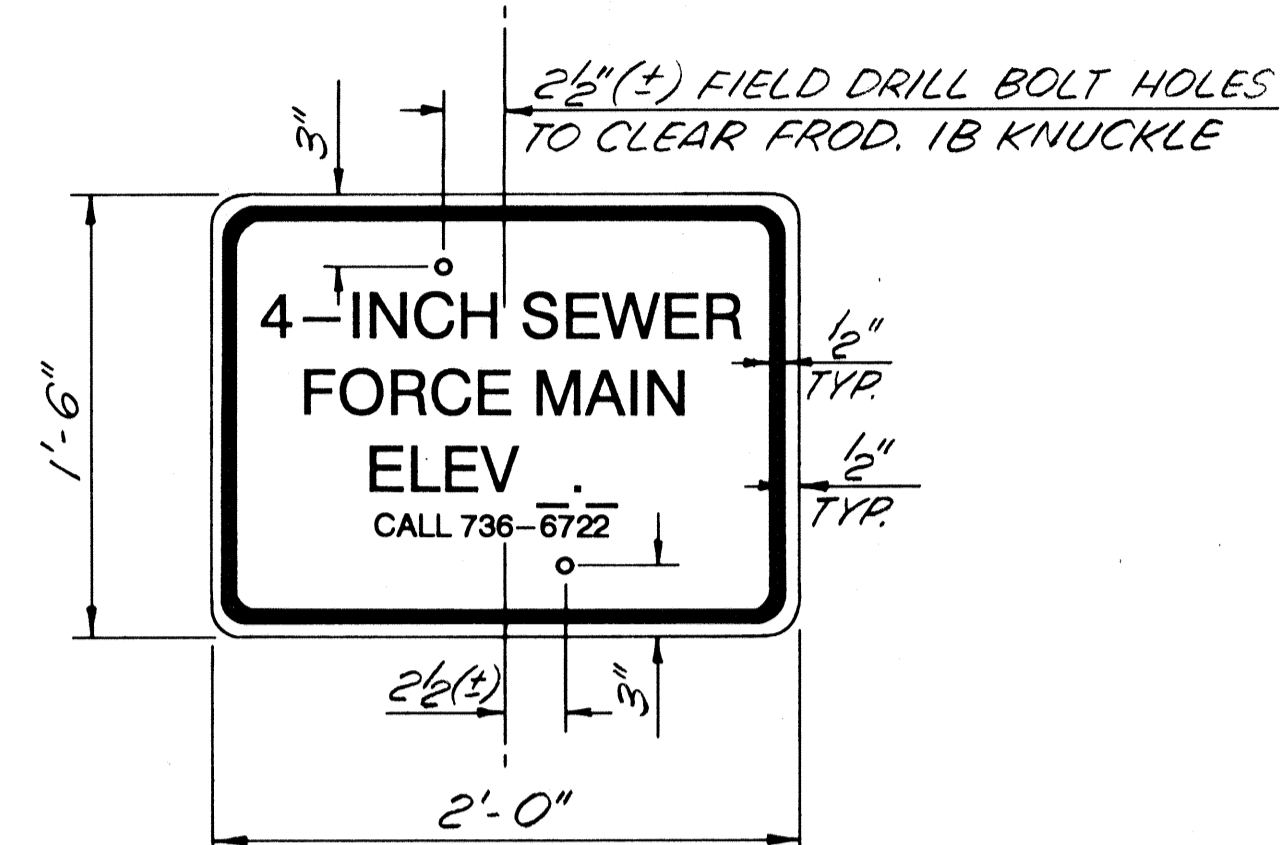
- FOR GENERAL NOTES, SEE DWG. NO. 3.
- FOR PLAN OF UTILITIES, SEE DWG. NO. 32.
- FOR JEFFERSON PARISH STANDARD SEWER AND WATER DETAILS, SEE DWG. NOS. J-1 THRU J-3.
- EXISTING WATER PIPE IS CAST IRON.
- EXISTING SEWER PIPE IS ASBESTOS CEMENT.

The Board of levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
UTILITY RELOCATION
SEWER, WATER AND GAS LINES

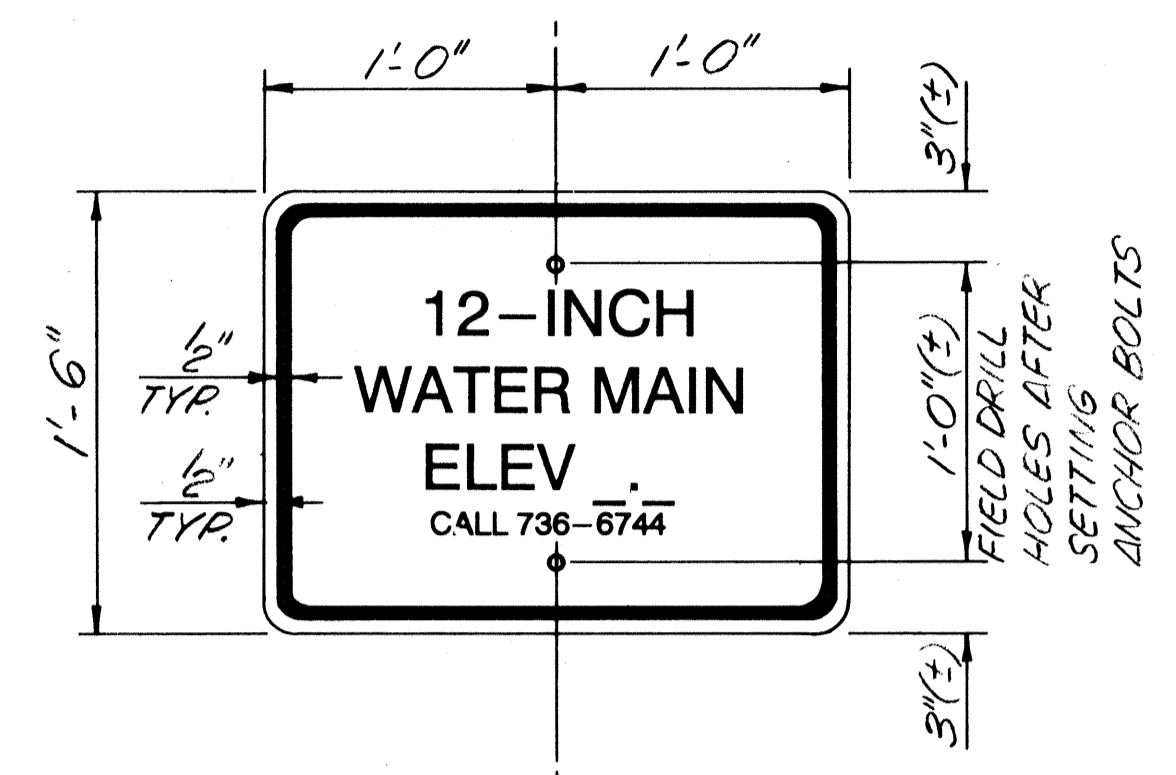
New Orleans		Louisiana		SCALE	DRAWN BY JDB
DESIGNED FS	DETAILED	DATE MAR 1992	CHECKED	CHECKED	DWG. NO. 30 OF

DATE	DESCRIPTION	BY
	REVISIONS	

STATE PROJECT	PARISH	SHEET NO.
		30A

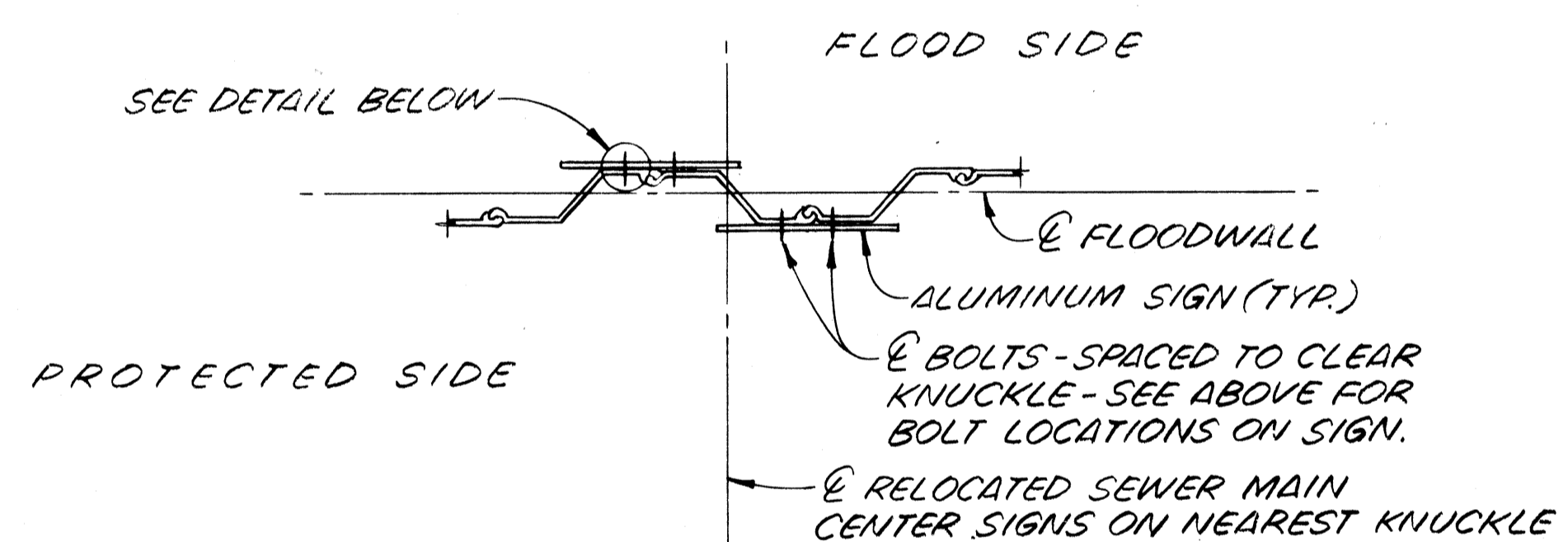


SEWER MAIN SIGN
SCALE: 1 1/2" = 1'-0"

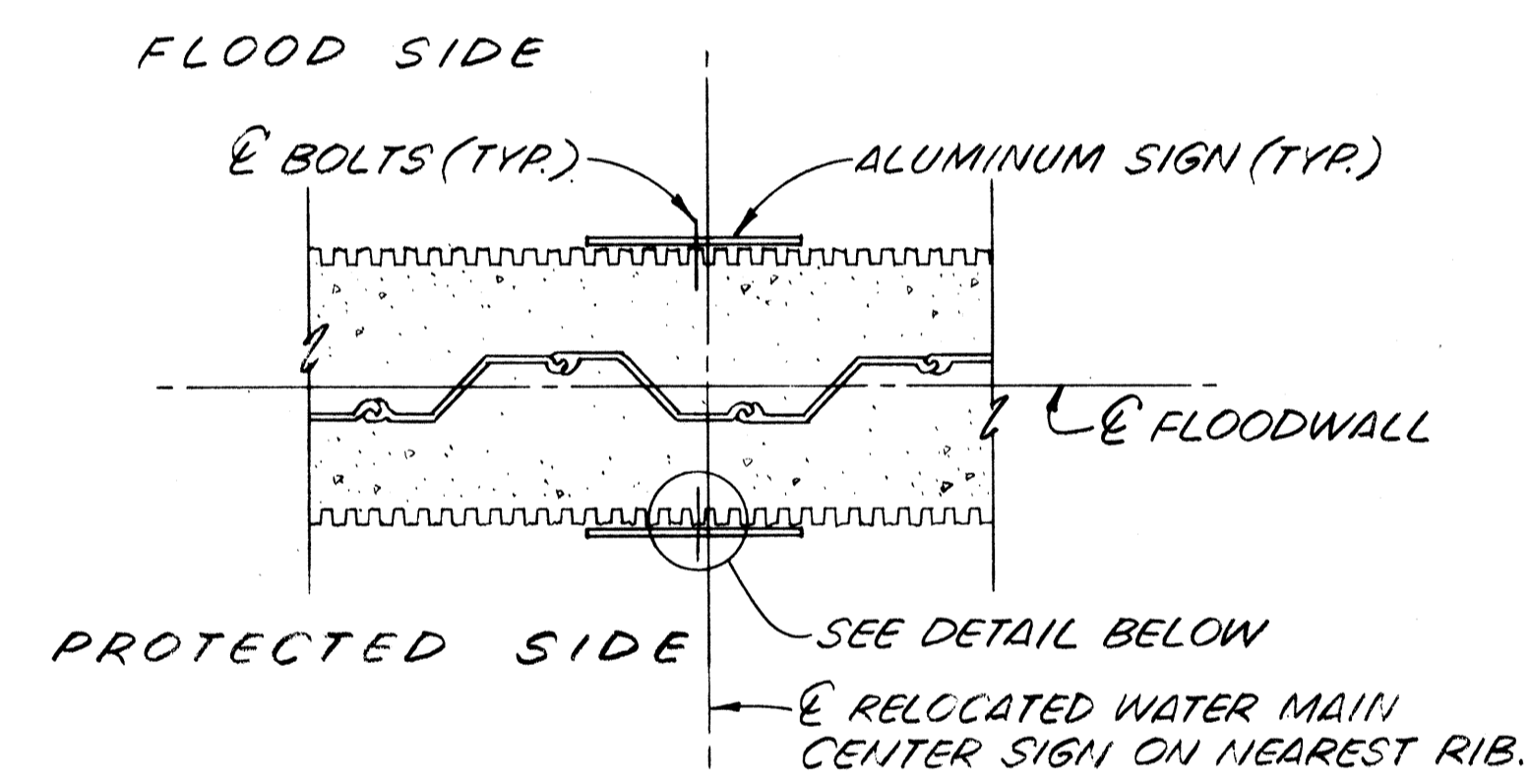


WATER MAIN SIGN
SCALE: 1 1/2" = 1'-0"

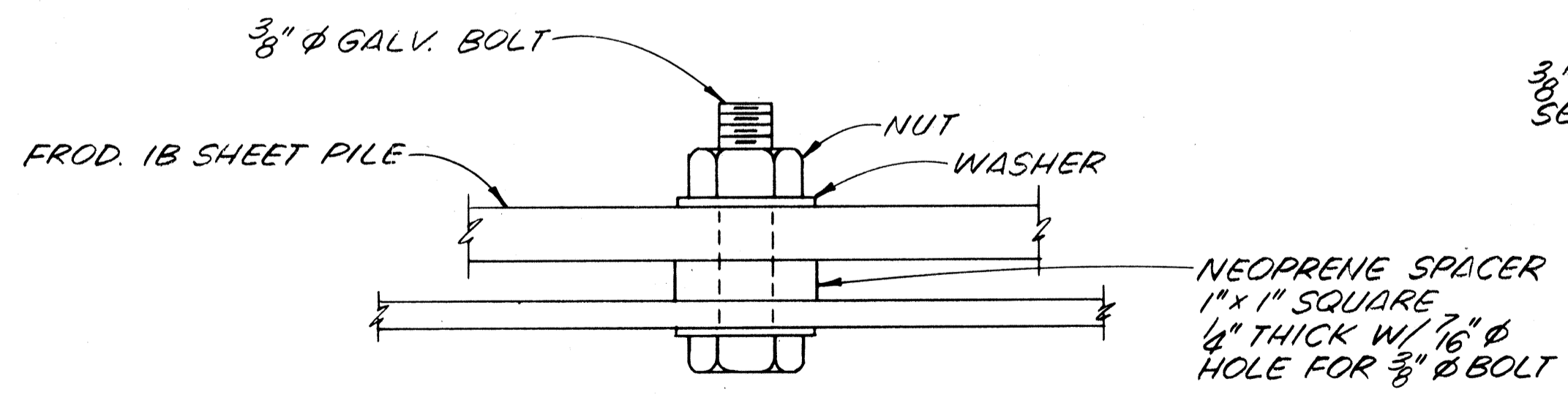
NOTE:
ALUMINUM SIGNS TO BE WHITE WITH BLACK MARKINGS. 2 OF EACH SIGN REQUIRED. 2-INCH LETTERS WITH 1-INCH SPACING BETWEEN FIRST 3 LINES, THE BOTTOM LINE SHALL BE 1-INCH LETTERS. CONTRACTOR SHALL FILL IN ELEVATION OF E OF PIPE AFTER RELOCATION (SEE DWG. NO. 30).



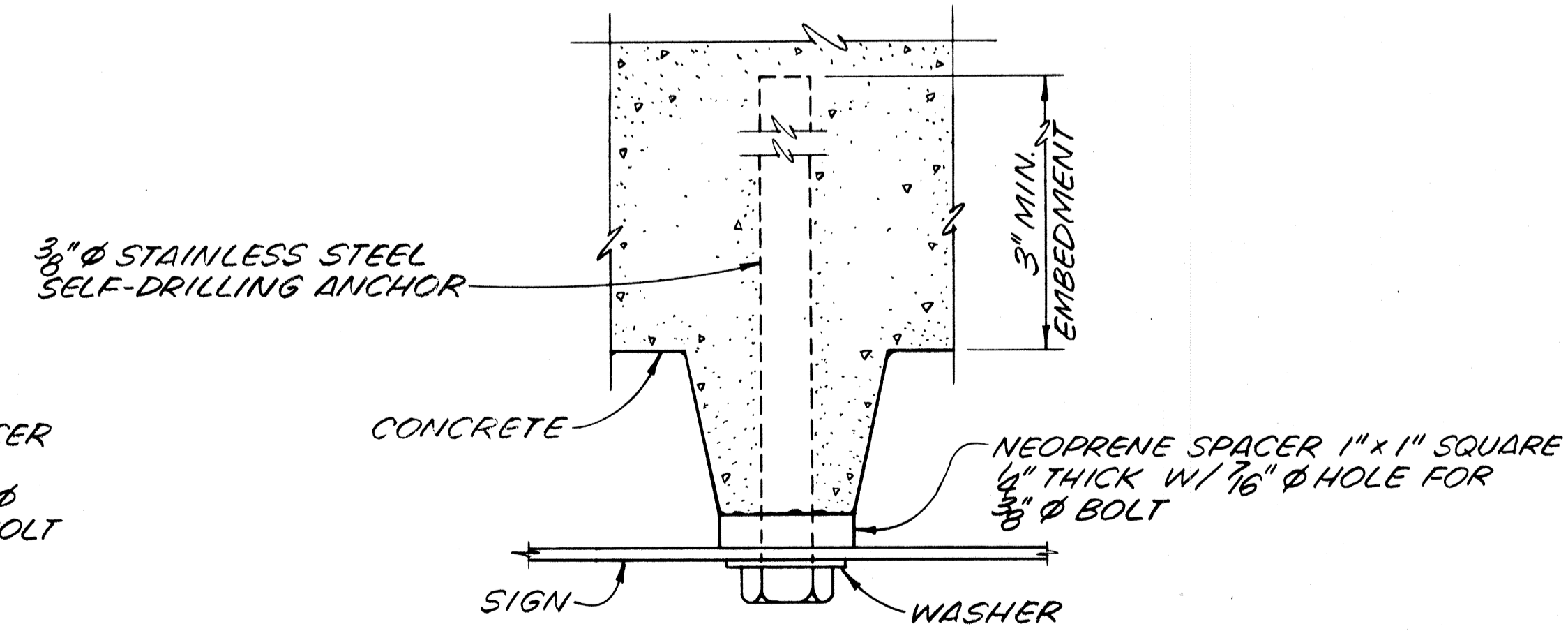
PLAN - SEWER MAIN SIGNS
SCALE: 3/4" = 1'-0"



PLAN - WATER MAIN SIGNS
SCALE: 3/4" = 1'-0"



DETAIL
CONNECTION OF SEWER MAIN SIGNS TO SHEET PILE FLOODWALL
ACTUAL SCALE



DETAIL
CONNECTION OF WATER MAIN SIGNS TO CONCRETE FLOODWALL
ACTUAL SCALE

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR LOCATION OF SIGNS, SEE DWG. NO. 30.

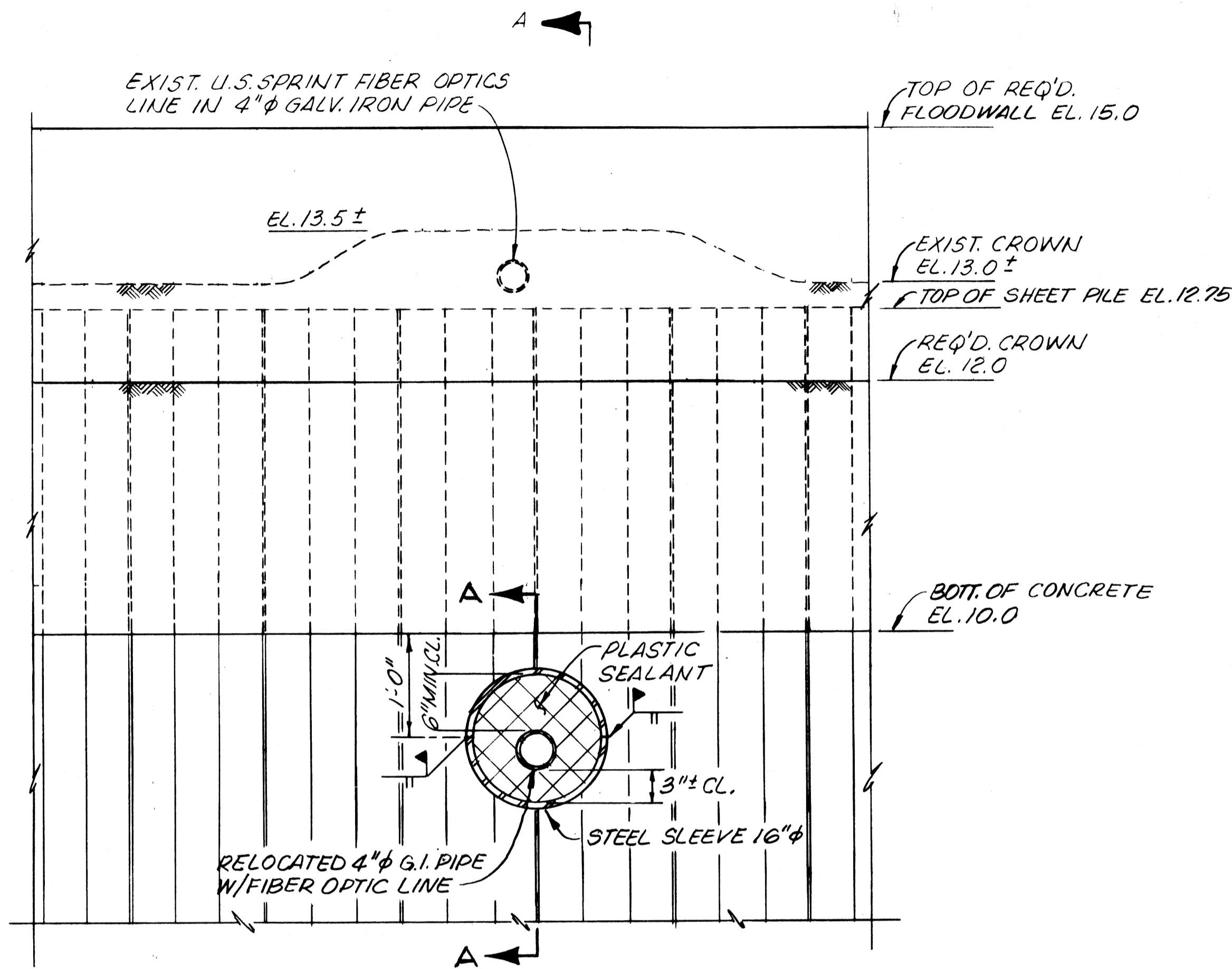
The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL
UTILITY RELOCATIONS
SIGN DETAILS

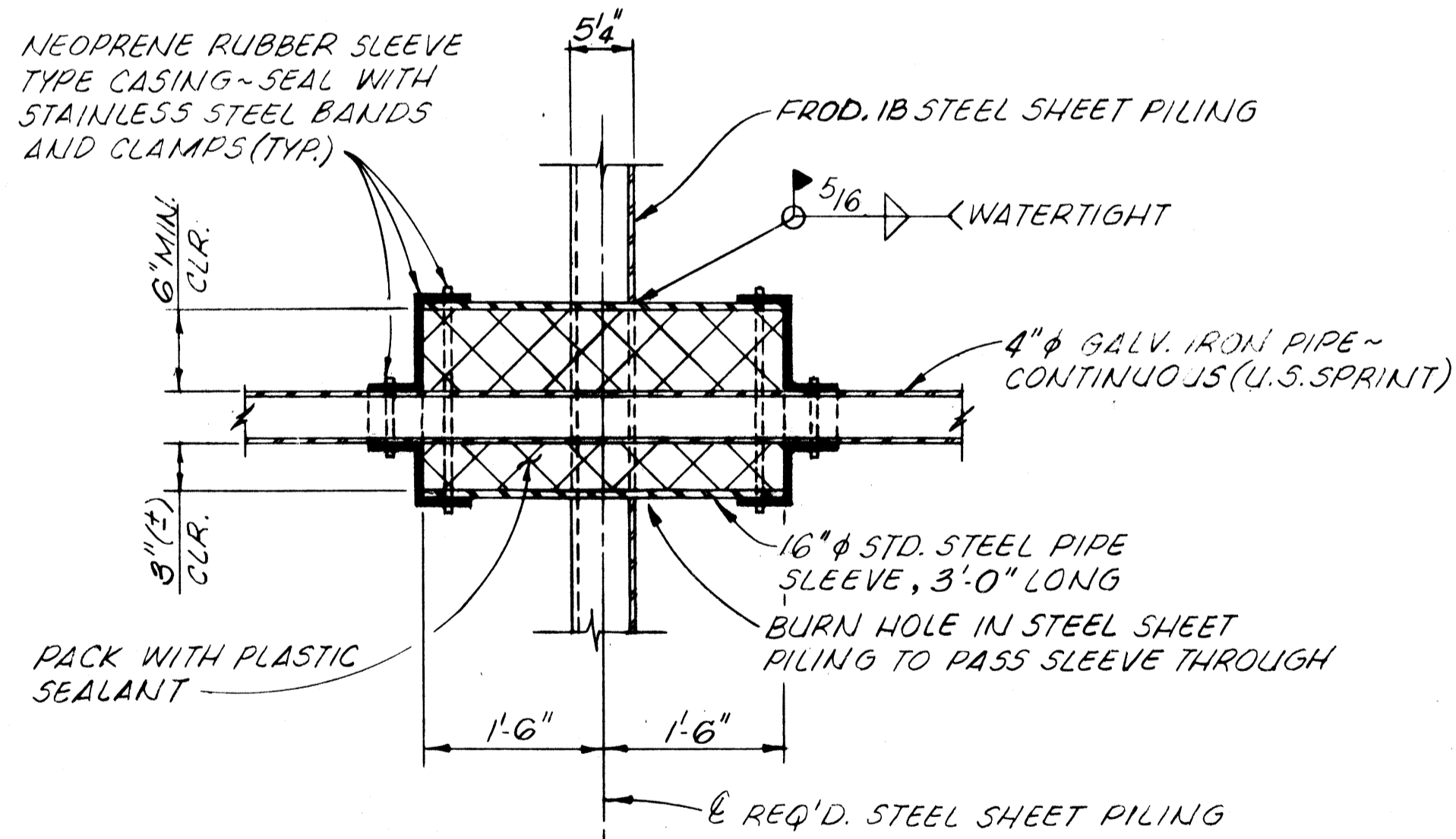
DESIGNED BY	Modjavid & Masters	LOUISIANA
SCALE	New Orleans	
DATE	FS	MAR 1992
REVISIONS	Detailed	PMR
CHECKED	MLS	CHECKED

DRWG. NO. 30A OF

DATE	DESCRIPTION	BY
	REVISIONS	



ELEVATION
U.S. SPRINT LINE RELOCATION
SCALE: 1" = 1'-0"



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

NOTE:
16" ϕ STEEL PIPE SLEEVE SHALL BE CUT IN HALF LENGTHWISE PRIOR TO INSTALLATION AND BUTT-WELDED TOGETHER AFTER PLACING AROUND 4" ϕ CABLES. FOR METHOD OF SECURING PIPE SLEEVE, SEE SECTION A-A, THIS SHEET.

PROCEDURE FOR MOVING U.S. SPRINT FIBER OPTIC LINE
(ASSUMING THE CONTRACTOR IS WORKING NORTHWARD)

1. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SOUTH OF INTERSTATE 10, THE CONTRACTOR SHALL NOTIFY REPRESENTATIVES OF U.S. SPRINT AT 504-847-0515.
2. U.S. SPRINT WILL EXPOSE THEIR LINE, AND MOVE IT NORTHWARD OF ITS PRESENT LOCATION.
3. THE CONTRACTOR SHALL DIG A TRENCH TO A DEPTH THREE FEET BELOW THE REQUIRED CROWN OF LEVEE ELEVATION.
4. REPRESENTATIVES OF U.S. SPRINT WILL MOVE THEIR LINE INTO THE TRENCH, AND THE CONTRACTOR WILL BACKFILL AND COMPACT.
5. ONCE THE ABOVE STEPS ARE COMPLETED, THE CONTRACTOR CAN BEGIN HIS WORK IN THIS REACH OF THE CANAL. THE CONTRACTOR WILL NOT BE ALLOWED TO DEGRADE THE LEVEE 15 FEET EITHER SIDE OF THE U.S. SPRINT LINE UNTIL AFTER THE SHEET PILE IS DRIVEN, AND ALL RELOCATION DETAILS SHOWN IN THE CONTRACT DRAWINGS ARE COMPLETED.
6. WHEN THE CONTRACTOR IS READY TO DRIVE SHEET PILING IN THE AREA OF THE U.S. SPRINT LINE, HE SHALL NOTIFY U.S. SPRINT PERSONNEL AT THE ABOVE NUMBER. REPRESENTATIVES OF U.S. SPRINT WILL EXPOSE THE BURIED LINE, AND MOVE IT OUT OF THE TRENCH. THE CONTRACTOR SHALL DRIVE NO SHEETING WITHIN FIVE FEET OF THE LINE WITHOUT THE PRESENCE OF U.S. SPRINT PERSONNEL.
7. THE CONTRACTOR SHALL CLEAN OUT THE TRENCH, AND COMPACT THE SOIL BENEATH THE REQUIRED PIPE LOCATION.
8. WITH U.S. SPRINT REPRESENTATIVES PRESENT, THE CONTRACTOR SHALL DRIVE THE REQUIRED SHEET PILING UP TO THE SOUTH SIDE OF THE REQUIRED CENTERLINE LOCATION OF THE FIBER OPTIC CABLE. THE CONTRACTOR SHALL CUT A 16" DIAMETER SEMI-CIRCULAR NOTCH IN THE SHEET PILE AT THE REQUIRED LOCATION.
9. REPRESENTATIVES OF U.S. SPRINT SHALL MOVE THEIR CABLE INTO THE REQUIRED POSITION IN THE TRENCH, AND THE CONTRACTOR SHALL DRIVE THE REQUIRED SHEET PILING ON THE NORTH SIDE OF CENTERLINE OF CABLE, CUT A 16" DIAMETER SEMI-CIRCULAR NOTCH AT THE REQUIRED LOCATION, AND WELD THE SPLIT 16" PIPE INTO PLACE. WITH U.S. SPRINT REPRESENTATIVES PRESENT, THE CONTRACTOR SHALL INSTALL THE PLASTIC SEALANT AND RUBBER BOOTS, AND BACKFILL AND COMPACT THE TRENCH.
10. THE CONTRACTOR SHALL CONTINUE DRIVING HIS SHEET PILING NORTHWARD, DEGRADING AND SHAPING THE FIFTEEN FEET OF LEVEE LOCATED EITHER SIDE OF THE RELOCATED FIBER OPTIC CABLE.
11. U.S. SPRINT PERSONNEL NEED NOT BE PRESENT ONCE THE LEVEE WORK AND SHEET PILE WORK 15 FEET EITHER SIDE OF THE FIBER OPTIC LINE ARE COMPLETED.

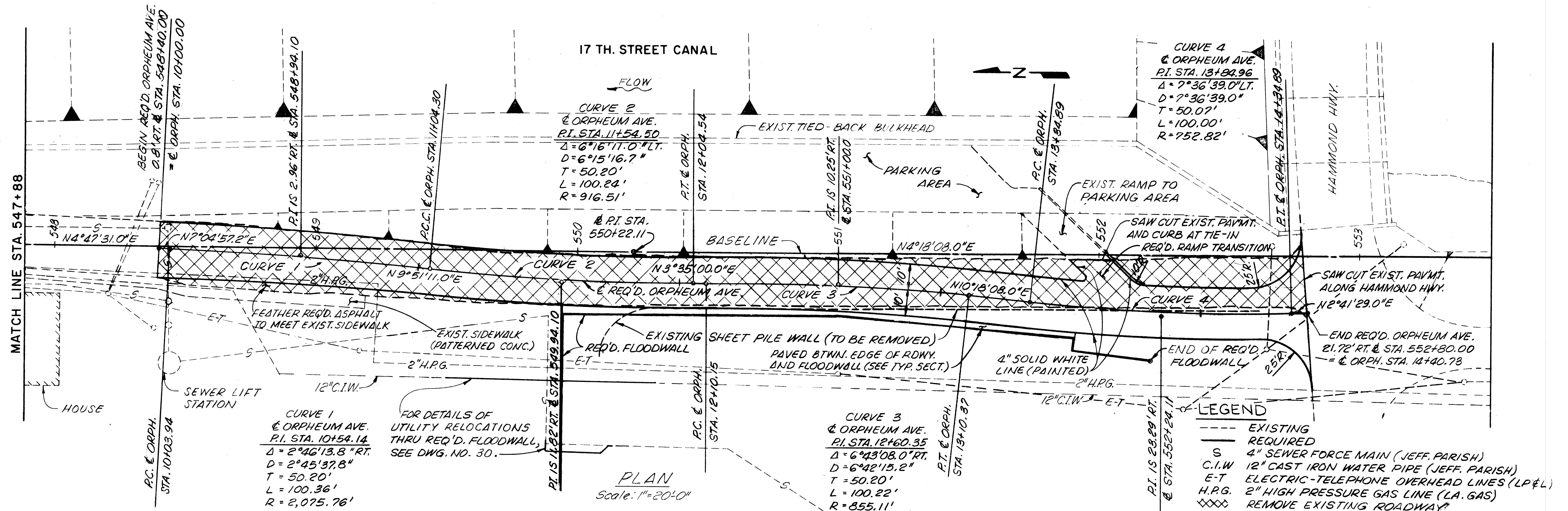
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
FOR LOCATION OF U.S. SPRINT FIBER OPTIC LINE, SEE DWG. NO. 13.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

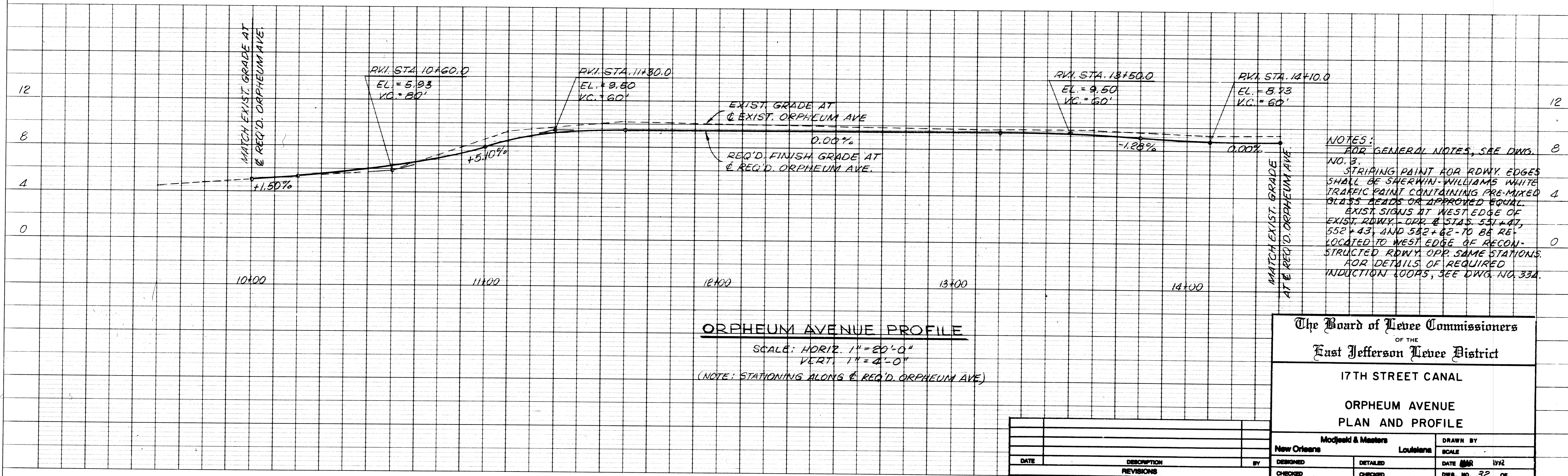
17TH STREET CANAL
UTILITY RELOCATION
FIBER OPTIC LINE

New Orleans		Louisiana		DESIGNED BY	4.P.L.
DESIGNED		DETAILED		SCALE	AS NOTED
DATE	DESCRIPTION	BY	DATE	DATE	FIG.
CHECKED	ML5	CHECKED	ML5	3/1	02
				DRAWING NO.	31 OF

PLAN
 SURVEYED BY DATE
 NOTED BY
 NOTE BOOK NO.
 REVISIONS CHECKED
 FT. OF WAY CHECKED



PROFILE
 SURVEYED BY DATE
 NOTED BY
 NOTE BOOK NO.
 REVISIONS CHECKED
 SPEC. REVISIONS CHECKED



The Board of levee Commissioners
 OF THE
 East Jefferson Levee District

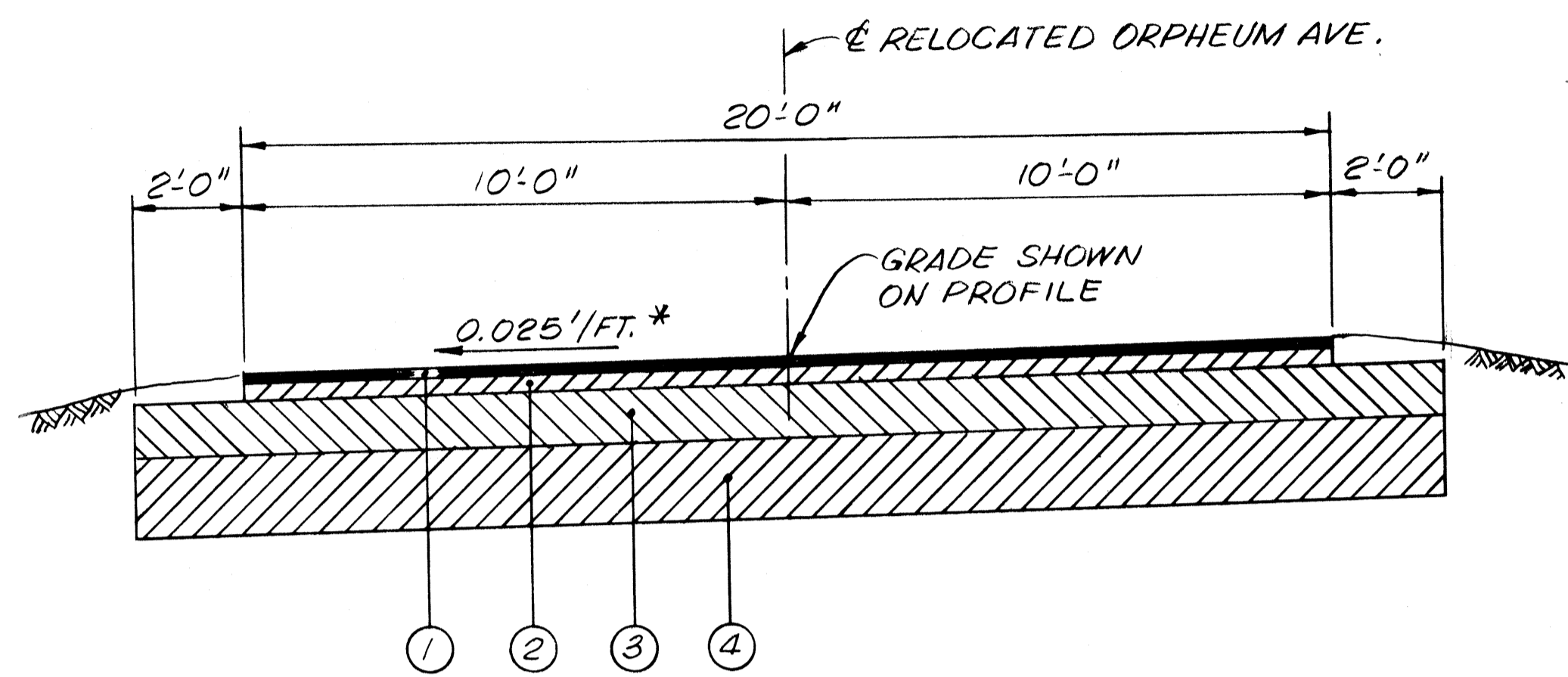
17TH STREET CANAL
 ORPHEUM AVENUE
 PLAN AND PROFILE

Modjeski & Masters
 New Orleans Louisiana

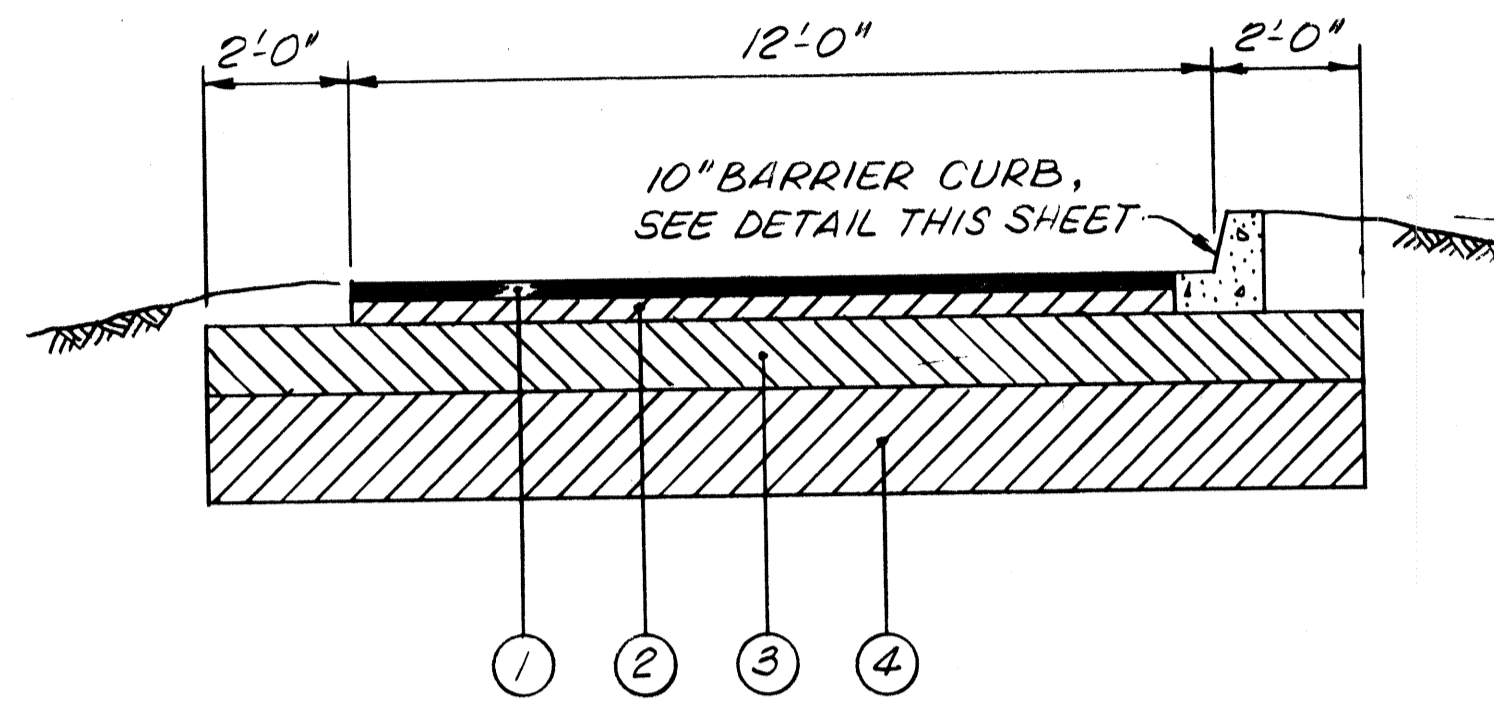
DRAWN BY
 SCALE
 DATE 08/19/2
 DWG. NO. 32 OF

DESIGNED	DETAILED	CHECKED

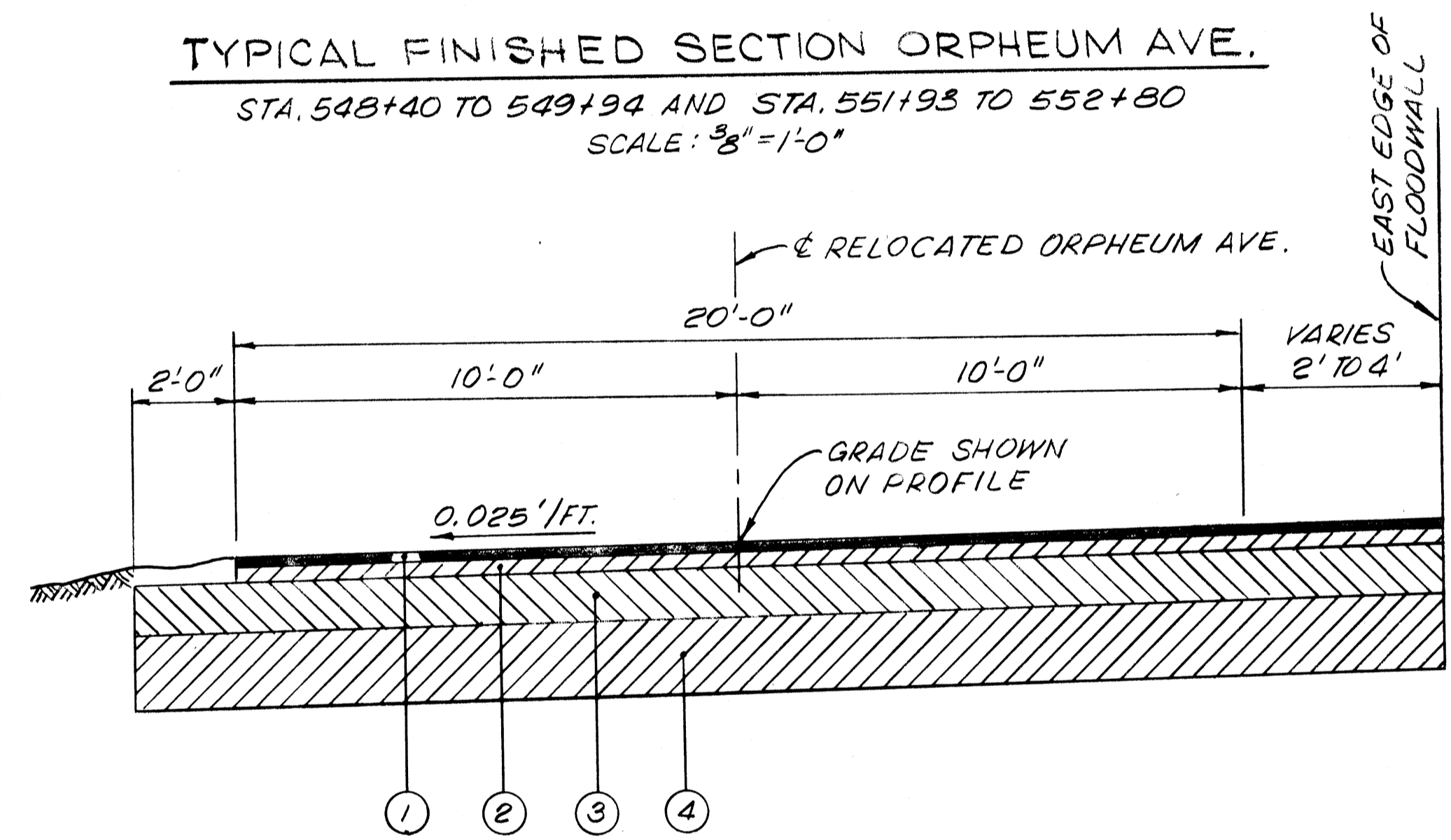
	STATE PROJECT	PARISH	SHEET NO.



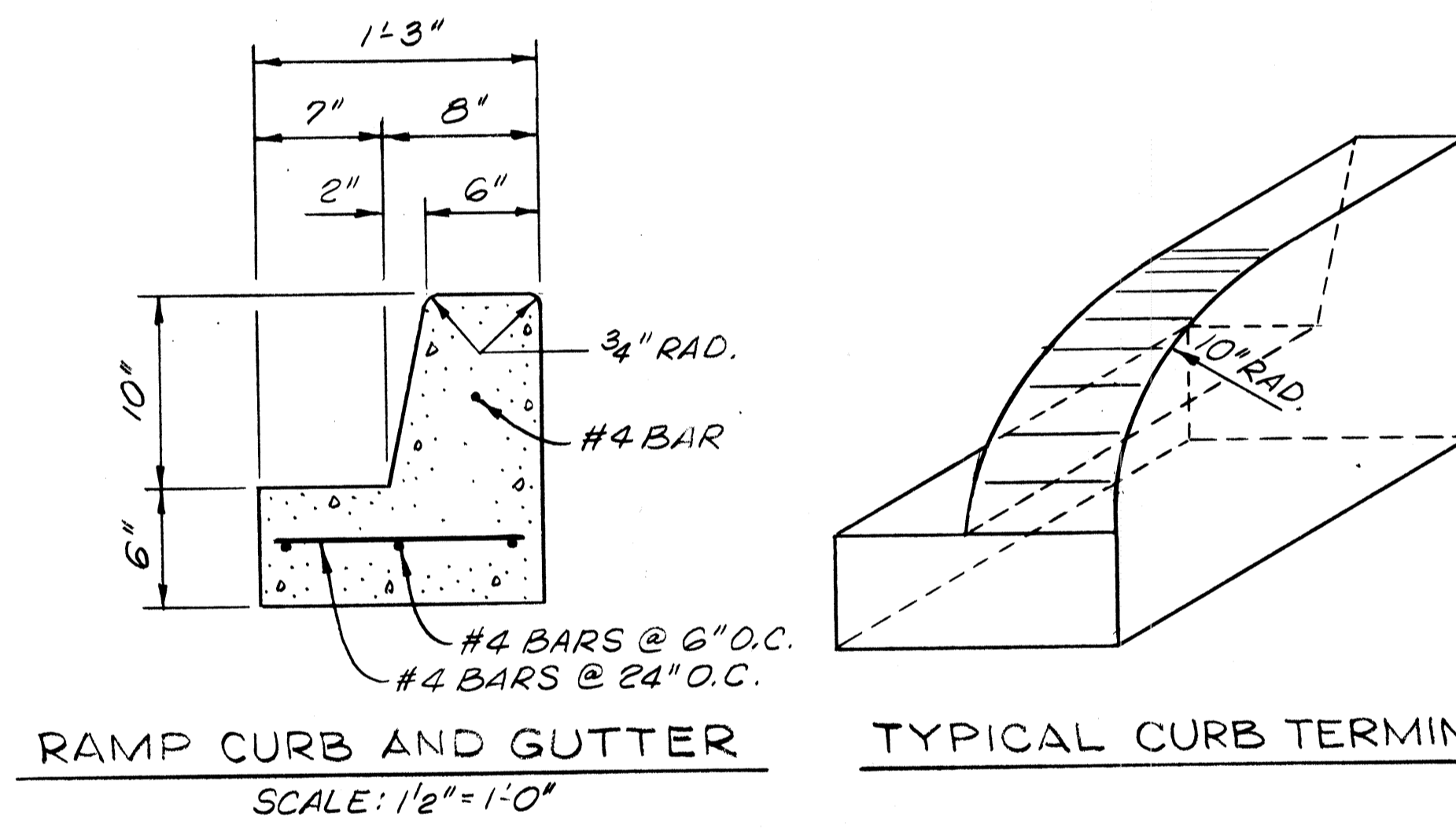
TYPICAL FINISHED SECTION ORPHEUM AVE.
STA. 548+40 TO 549+94 AND STA. 551+93 TO 552+80
SCALE: 3/8" = 1'-0"



TYPICAL FINISHED SECTION
RAMP TRANSITION
SCALE: 3/8" = 1'-0"



TYPICAL FINISHED SECTION ORPHEUM AVE.
STA. 549+94 TO STA. 551+93
SCALE: 3/8" = 1'-0"



RAMP CURB AND GUTTER
SCALE: 1/2" = 1'-0"

TYPICAL CURB TERMINUS

LEGEND:

- ① 2" ASPHALTIC CONCRETE WEARING COURSE-TYPE 3-AC30
- ② 4" BINDER COURSE - TYPE 3-AC30
- ③ 12" SAND/CRUSHED STONE BASE COURSE
- ④ 18" CEMENT STABILIZED SUB-BASE

CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 1982 EDITION.

* TRANSITION REQ'D. CROSS-SLOPE AT A RATE OF CHANGE 0.001'/FT. PER FOOT, TO MATCH THE EXIST. EDGE PROFILE OF HAMMOND HWY. AT STA. 552+80. PAVEMENT SHALL BE REVOLVED ABOUT & ROADWAY.

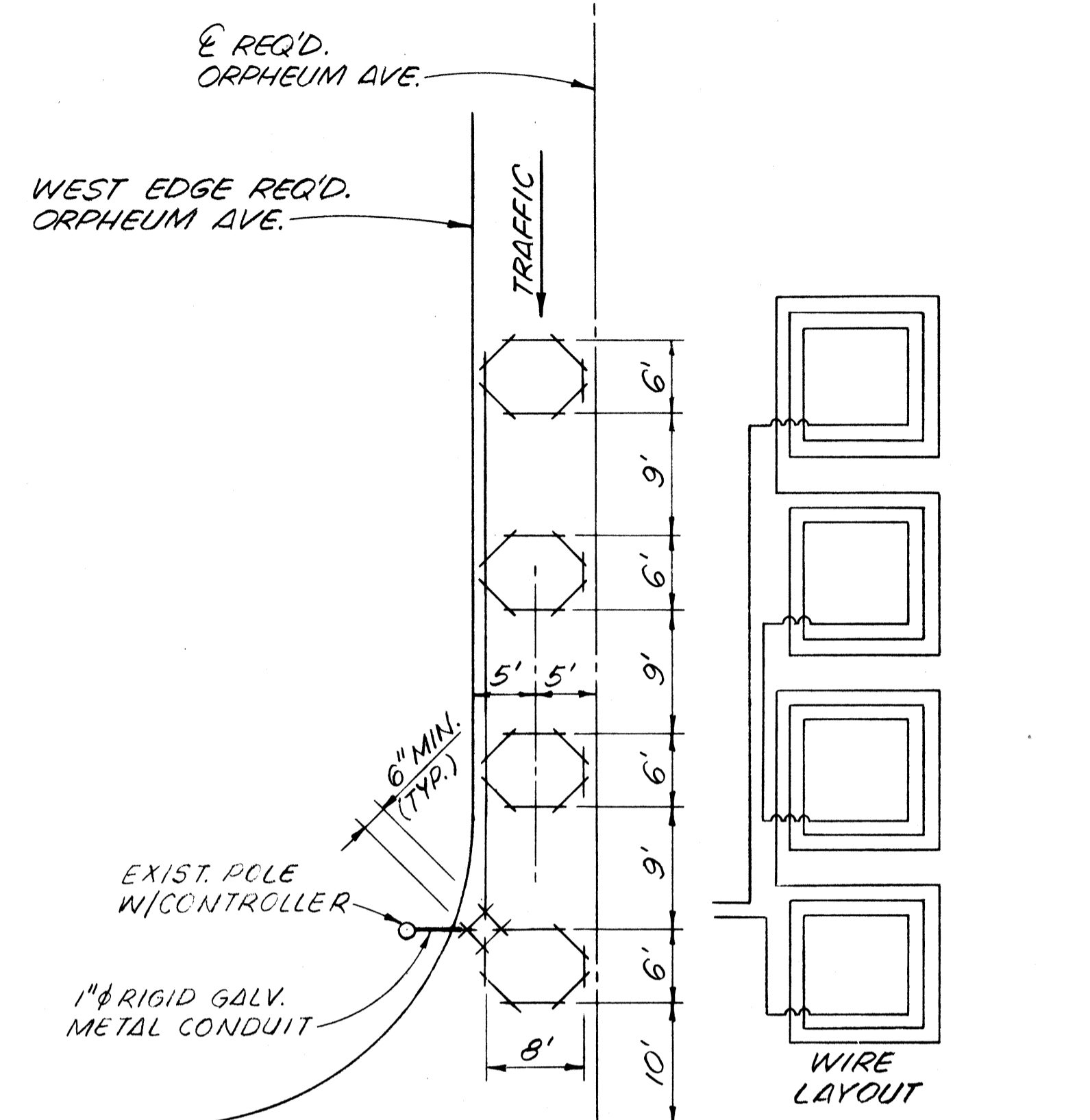
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3
FOR HORIZONTAL AND VERTICAL GEOMETRY OF REQ'D. ORPHEUM AVE., SEE DWG. NO. 32.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
ORPHEUM AVENUE
TYPICAL SECTIONS

DESIGNED		BY		DRAWN BY JDB	
DATE		DATE		SCALE	
DESCRIPTION		REVISIONS		DATE MAR 1992	
CHECKED		CHECKED		DWG. NO. 33 OF	

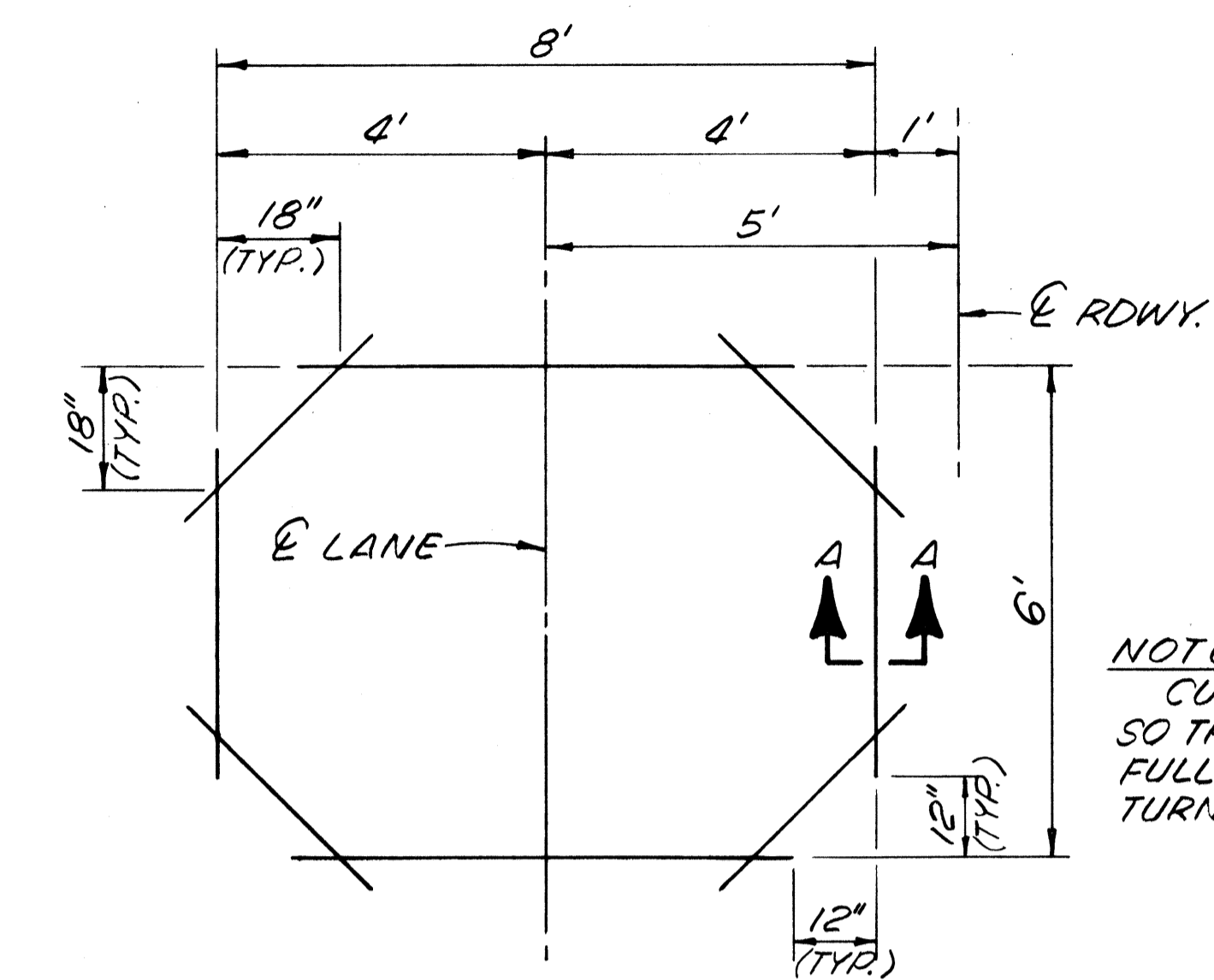
DATEPLOT 11/10/88

STATE PROJECT	PARISH	SHEET NO.



NOTE:
CONTRACTOR SHALL PROVIDE 1/2" CONDUIT FROM JUNCTION BOX AND TERMINATE BELOW GROUND SO THAT IT DIRECTLY RECEIVES LOOP LEAD-IN WIRE.

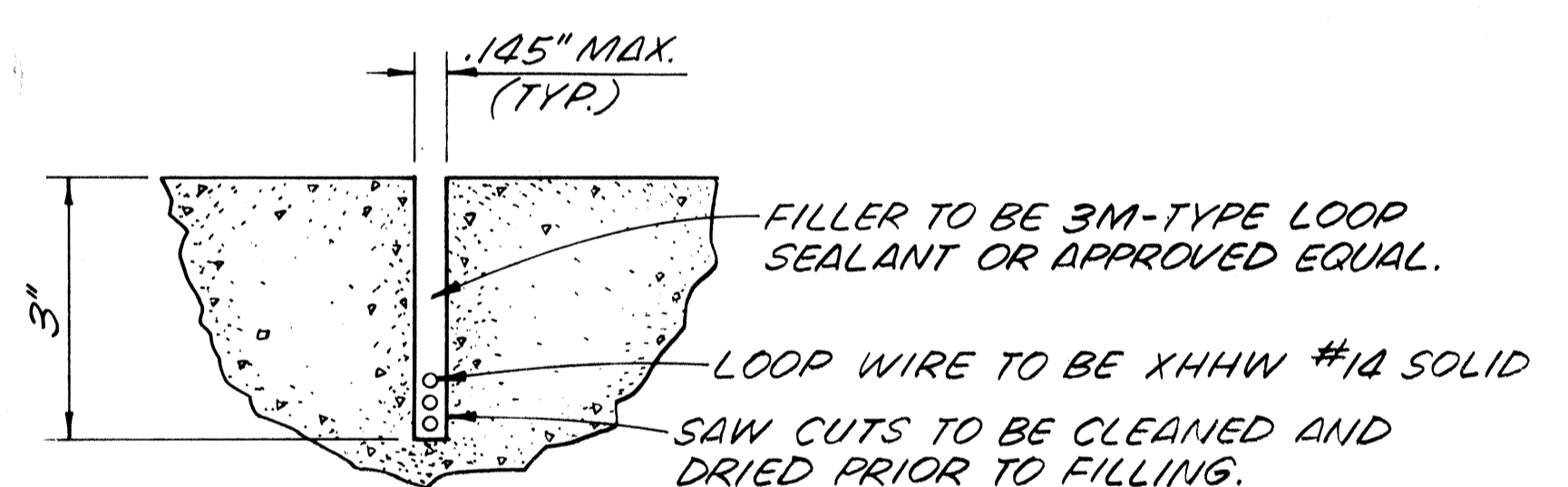
TYPICAL SAW-CUT LAYOUT
NO SCALE



NOTE:
CUT OVERLAPPED SO THAT SLOT IS FULL DEPTH AT TURN POINTS (TYP.)

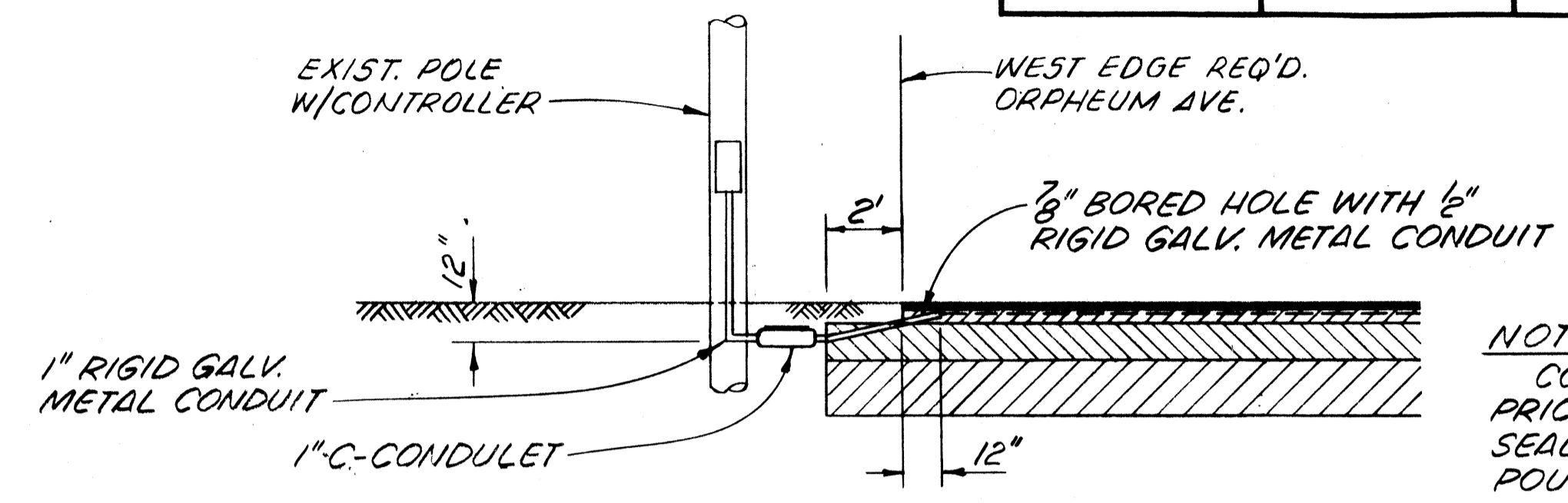
LOOP SAW-CUT CONFIGURATION
SCALE: 1/2" = 1'-0"

NOTE:
SAW CUTS DO NOT MEET AT CORNER OF RECTANGLE.



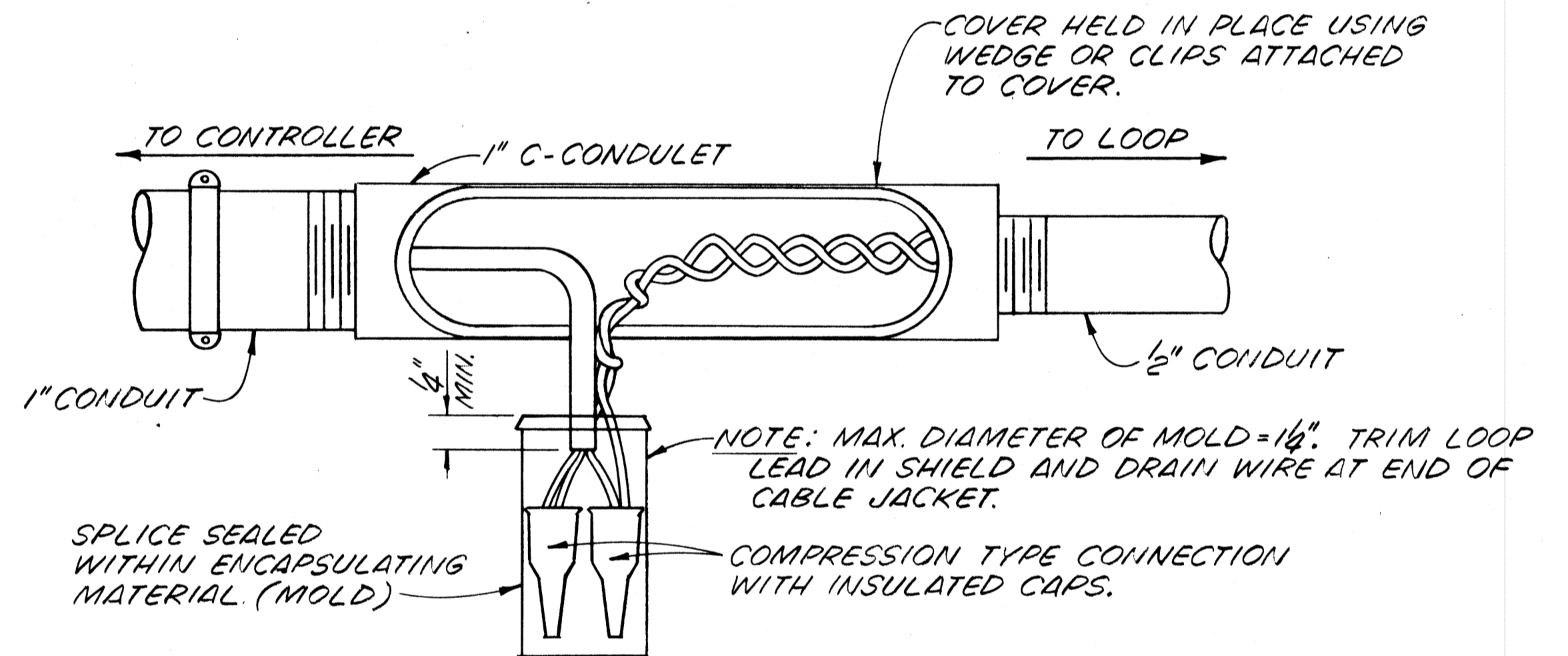
SECTION A-A
TYPICAL LANE LOOP CUT

NOTE:
THE HIGHWAY DEPARTMENT'S REPRESENTATIVE SHALL EXAMINE AND APPROVE THE DEPTH OF EACH LOOP SLOT BEFORE THE CONTRACTOR PLACES LOOP WIRES IN SLOT.



NOTE:
CONDUIT SEALED PRIOR TO LOOP SEALANT BEING POURED.

LOOP LEAD-IN INSTALLATION
SCALE: 1/4" = 1'-0"



TYPICAL DETAIL OF C-CONDULET & ENCAPSULATED SPLICE

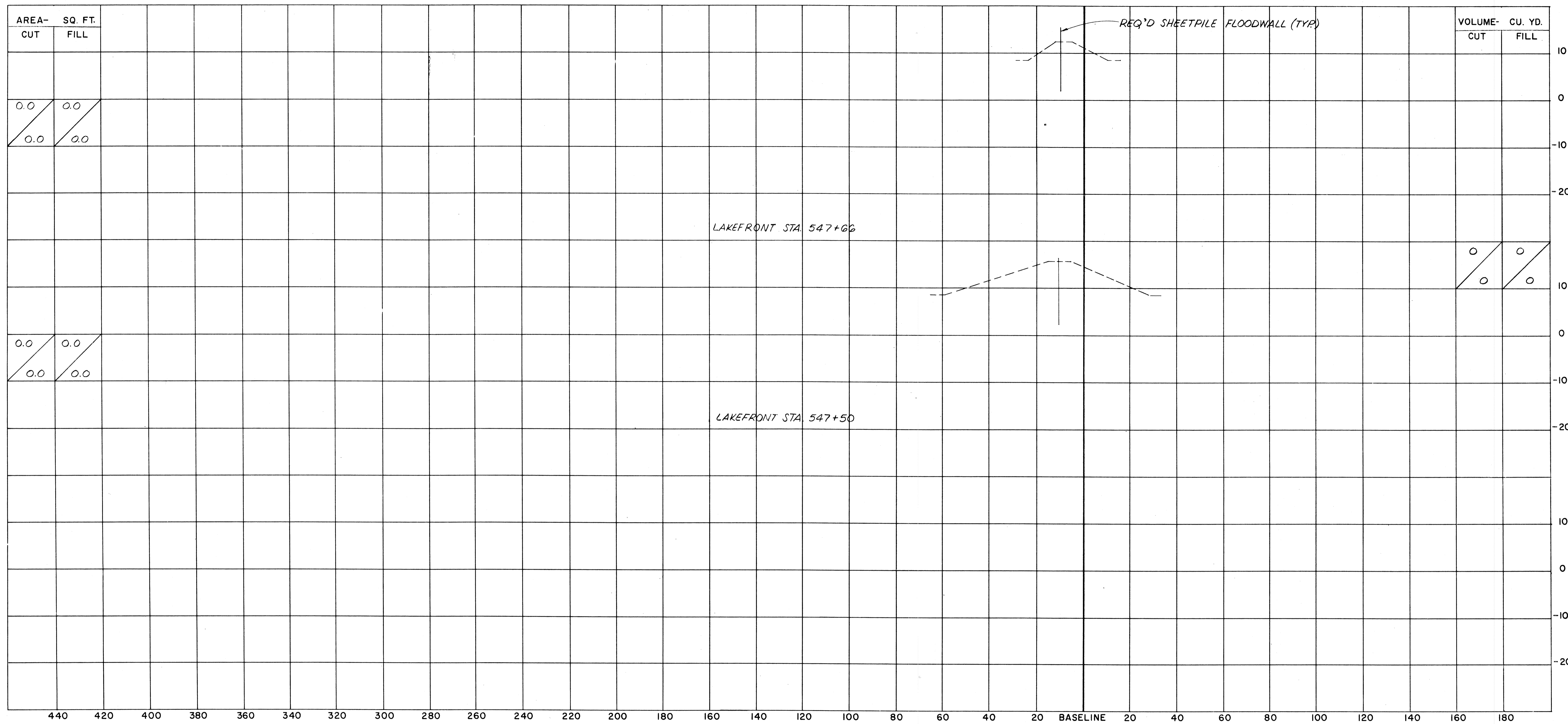
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 3.
CONTRACTOR SHALL RUN WIRE AND CONDUIT UP TO CONTROLLER. CONNECTION OF WIRES IN CONTROLLER TO BE PERFORMED BY THE HIGHWAY DEPARTMENT.

DATE	DESCRIPTION	BY

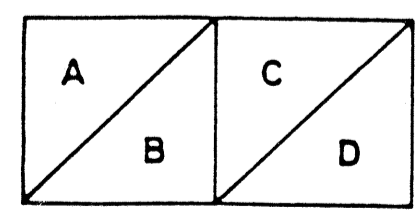
The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL
ORPHEUM AVENUE
LOOP DETAILS

Modford & Masters New Orleans Louisiana		DRWG. BY
DESIGNED	DATE	SCALE
Detailed	MAR 1992	
CHECKED	CHECKED	DRWG. NO. 331 OF

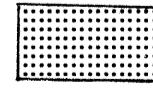
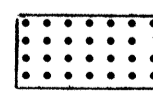



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL. 1.0
 D = QUANTITY OF FILL MATERIAL BELOW EL. 1.0

LEGEND

-  EXCAVATION
-  FILL
-  DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

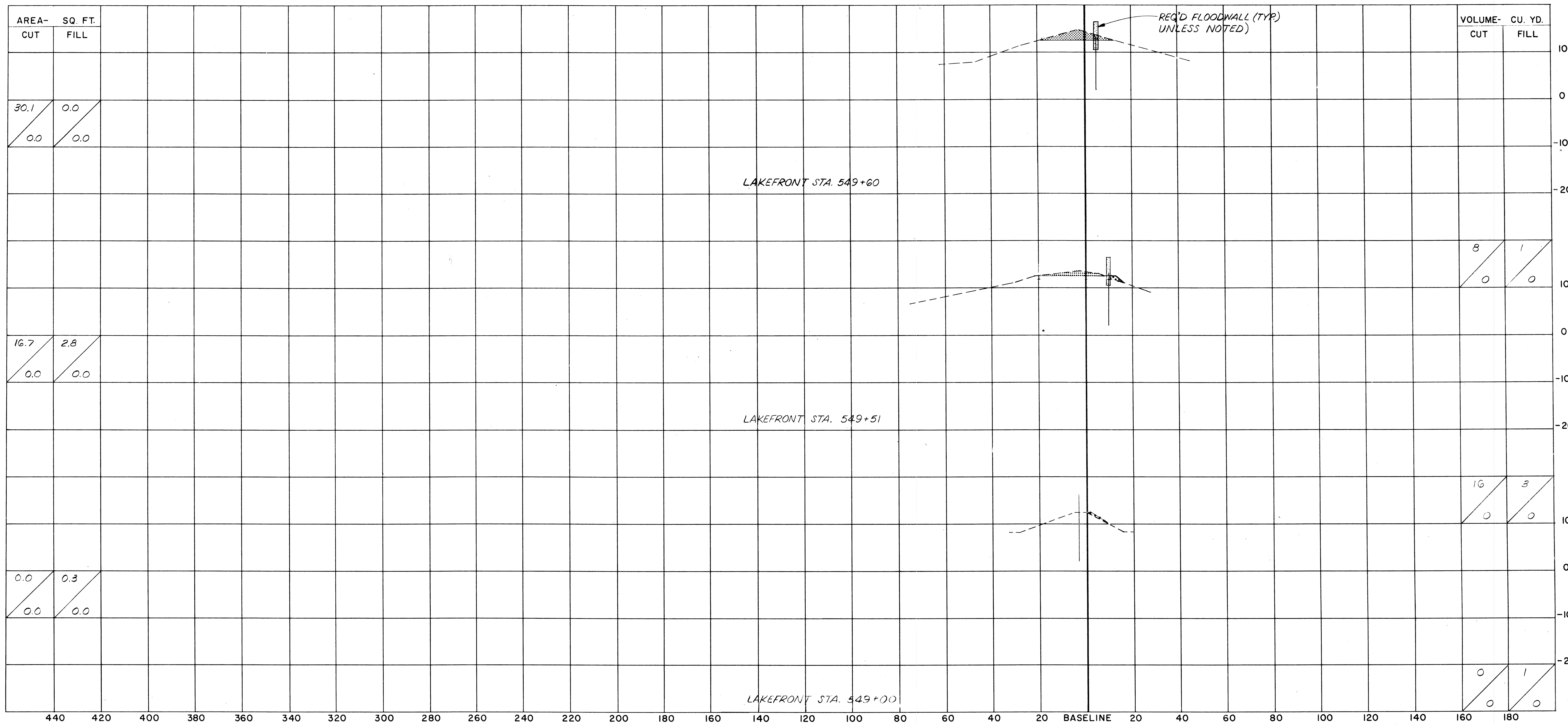
The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

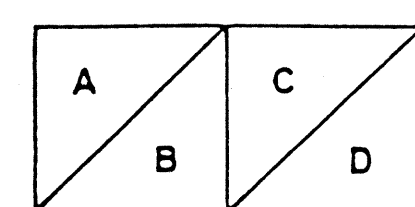
CROSS SECTIONS - 1

Modjeak & Masters		DRWG. BY	D.A.H.
New Orleans	Louisiana	SCALE	AS NOTED
DESIGNED	F.S.	DATE	MAR 1992
CHECKED	M.L.S.	CHECKED	

DATE	DESCRIPTION	BY

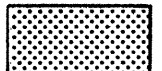




SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL. 1.0
 D = QUANTITY OF FILL MATERIAL BELOW EL. 1.0

LEGEND

-  EXCAVATION
-  FILL
-  DREDGING

NOTES:

ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

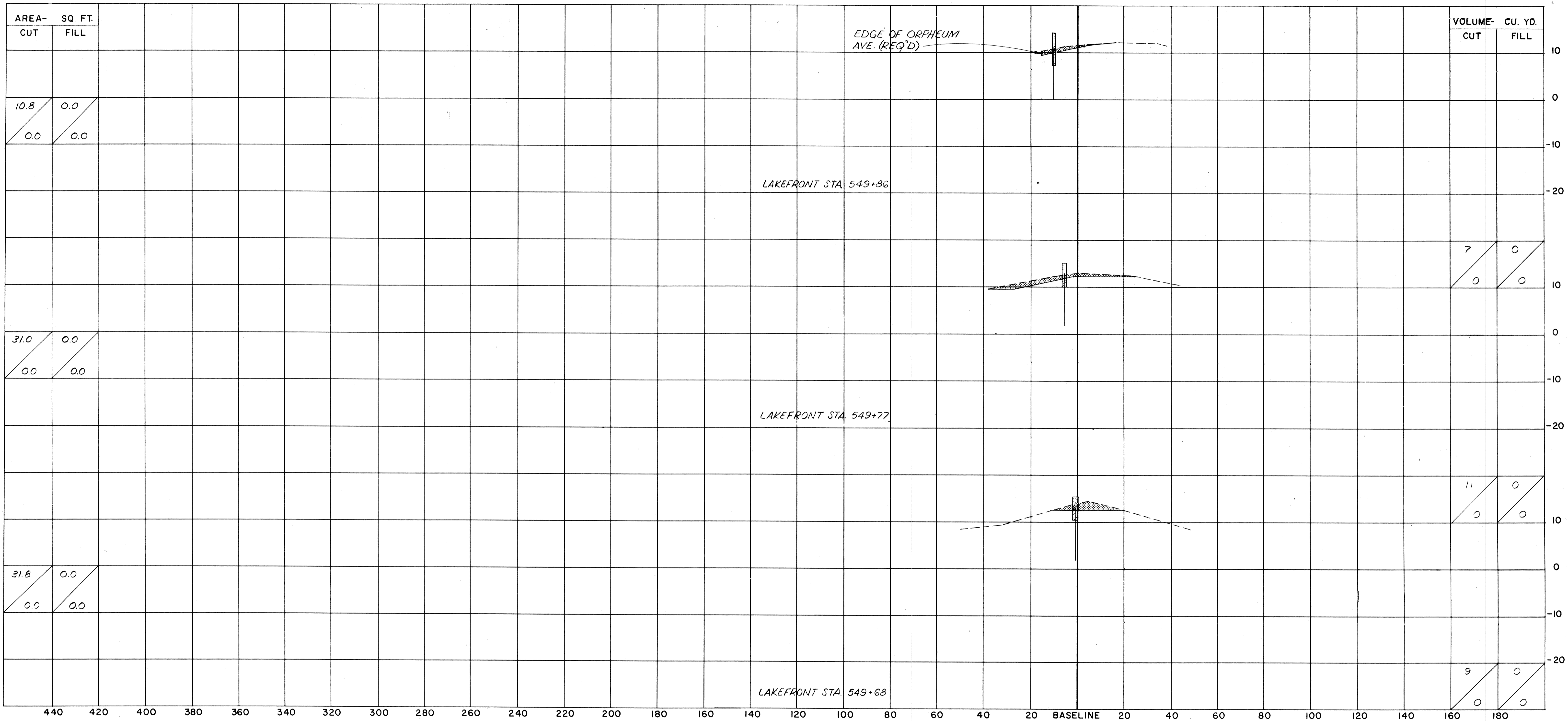
DATE	DESCRIPTION	BY

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

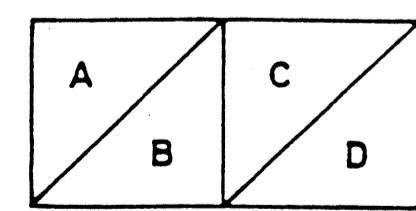
17TH STREET CANAL

CROSS SECTIONS-2

Modjeski & Masters		DRWG. BY D.A.H.
New Orleans	Louisiana	SCALE AS NOTES
DESIGNED F.S.	DATE MAR 1992	CHECKED M.L.S.
Detailed	CHECKED	DRWG. NO. 35 OF

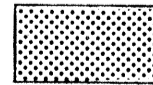
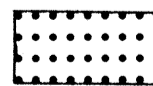
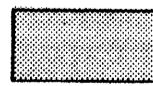


SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL. 1.0
 D = QUANTITY OF FILL MATERIAL BELOW EL. 1.0

LEGEND

-  EXCAVATION
-  FILL
-  DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

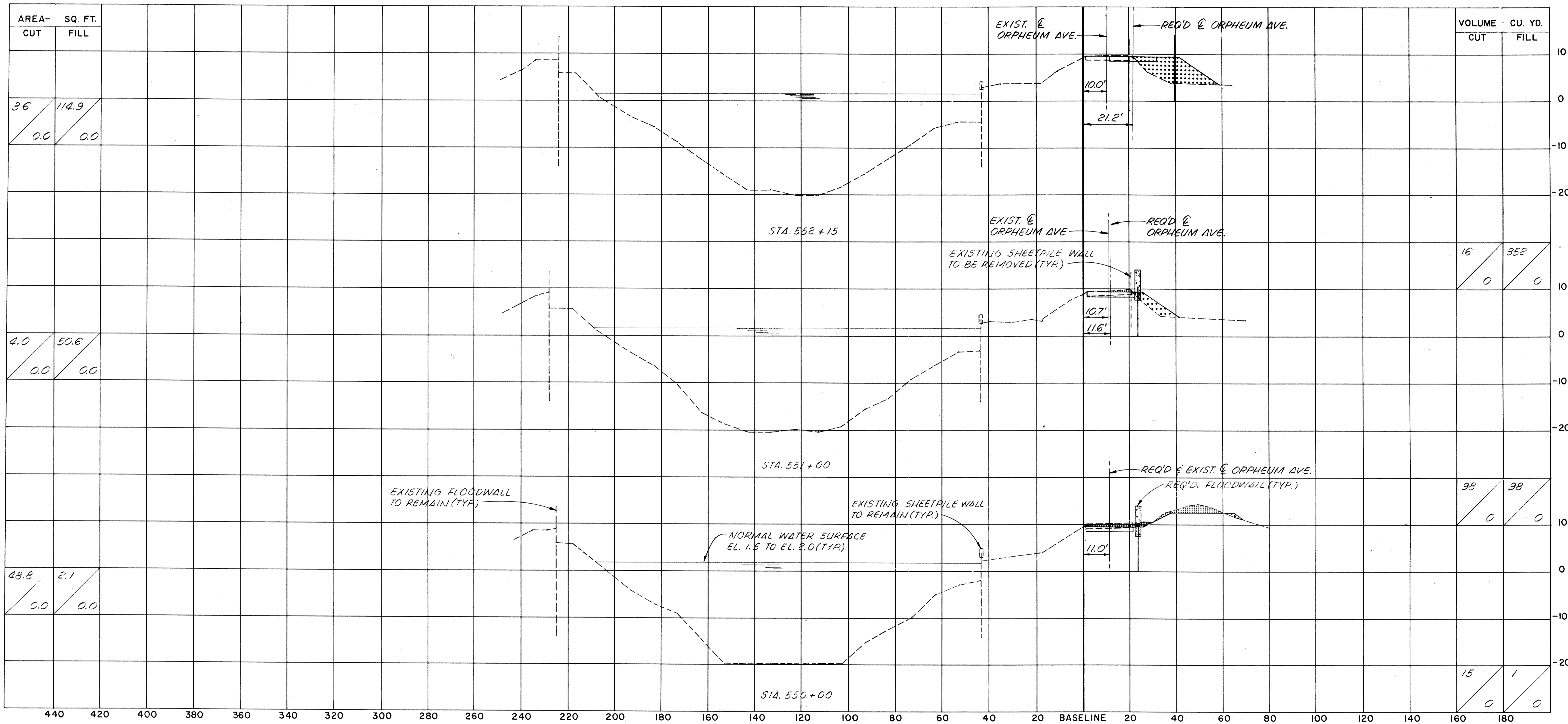
17 TH STREET CANAL

CROSS SECTIONS - 3

DESIGNED	F.S.	DATE	MAR 1902
CHECKED	M.L.S.	CHECKED	

Modjeski & Masters
 New Orleans Louisiana
 DRAWN BY D.A.H.
 SCALE AS NOTED
 DRAWG. NO. 36 OF

DATE	DESCRIPTION	BY
	REVISIONS	



AREA- SQ. FT.	
CUT	FILL
3.6	114.9
0.0	0.0

VOLUME - CU. YD.	
CUT	FILL
0	0

AREA- SQ. FT.	
CUT	FILL
4.0	50.6
0.0	0.0

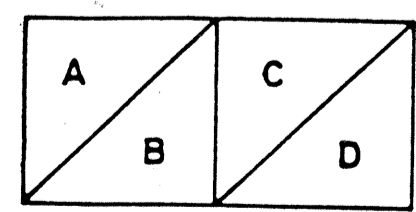
VOLUME - CU. YD.	
CUT	FILL
16	352
0	0

AREA- SQ. FT.	
CUT	FILL
48.8	2.1
0.0	0.0

VOLUME - CU. YD.	
CUT	FILL
98	98
0	0

VOLUME - CU. YD.	
CUT	FILL
15	1
0	0

SCALE
1" = 20' HORIZONTAL
1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
B = QUANTITY OF DREDGE MATERIAL
C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

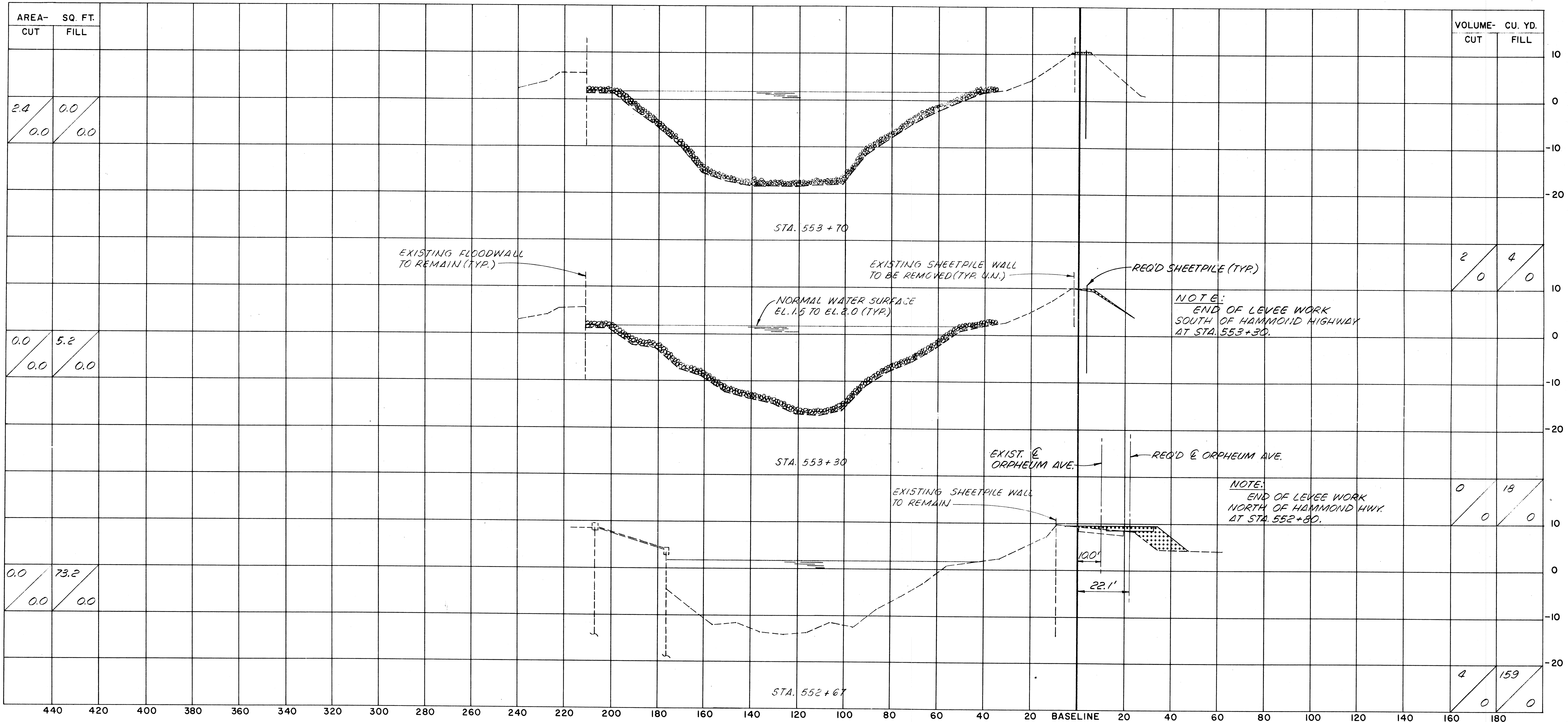
LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
ALL ELEVATIONS REFER TO N.G.V.D..
SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District
17TH STREET CANAL
CROSS SECTIONS - 4

DESIGNED	F.S.	DATE	MAR 1992
CHECKED	M.L.S.	CHECKED	
DRWG. BY	A.P.A.	SCALE	AS NOTED
DATE		DRWG. NO.	37 OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

A	C
B	D

 A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

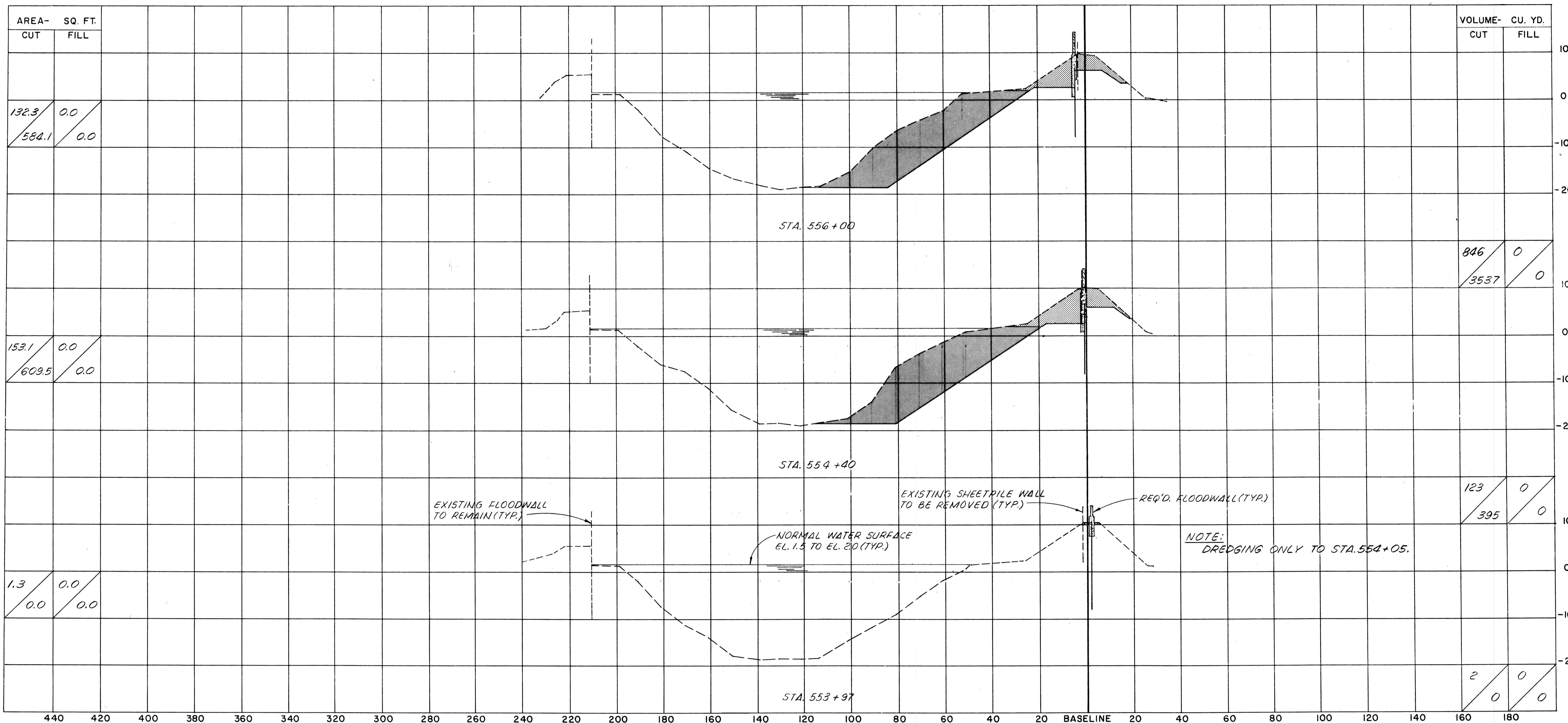
LEGEND
 EXCAVATION
 FILL
 DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
East Jefferson Levee District
 17TH STREET CANAL
 CROSS SECTIONS-5

New Orleans		Louisiana		DRAWN BY A.P.A.
DESIGNED F.S.	DATE MAR 1992	DETAILED	DATE MAR 1992	SCALE AS NOTED
CHECKED M.L.S.	CHECKED			DRAWING NO. 38 OF

DATE	DESCRIPTION	BY



AREA- SQ. FT.	
CUT	FILL
132.3	0.0
584.1	0.0

VOLUME- CU. YD.	
CUT	FILL
846	0
3537	0

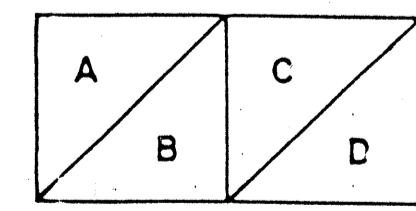
153.1	0.0
609.5	0.0

123	0
395	0

1.3	0.0
0.0	0.0

2	0
0	0

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL. 2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL. 2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D..
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

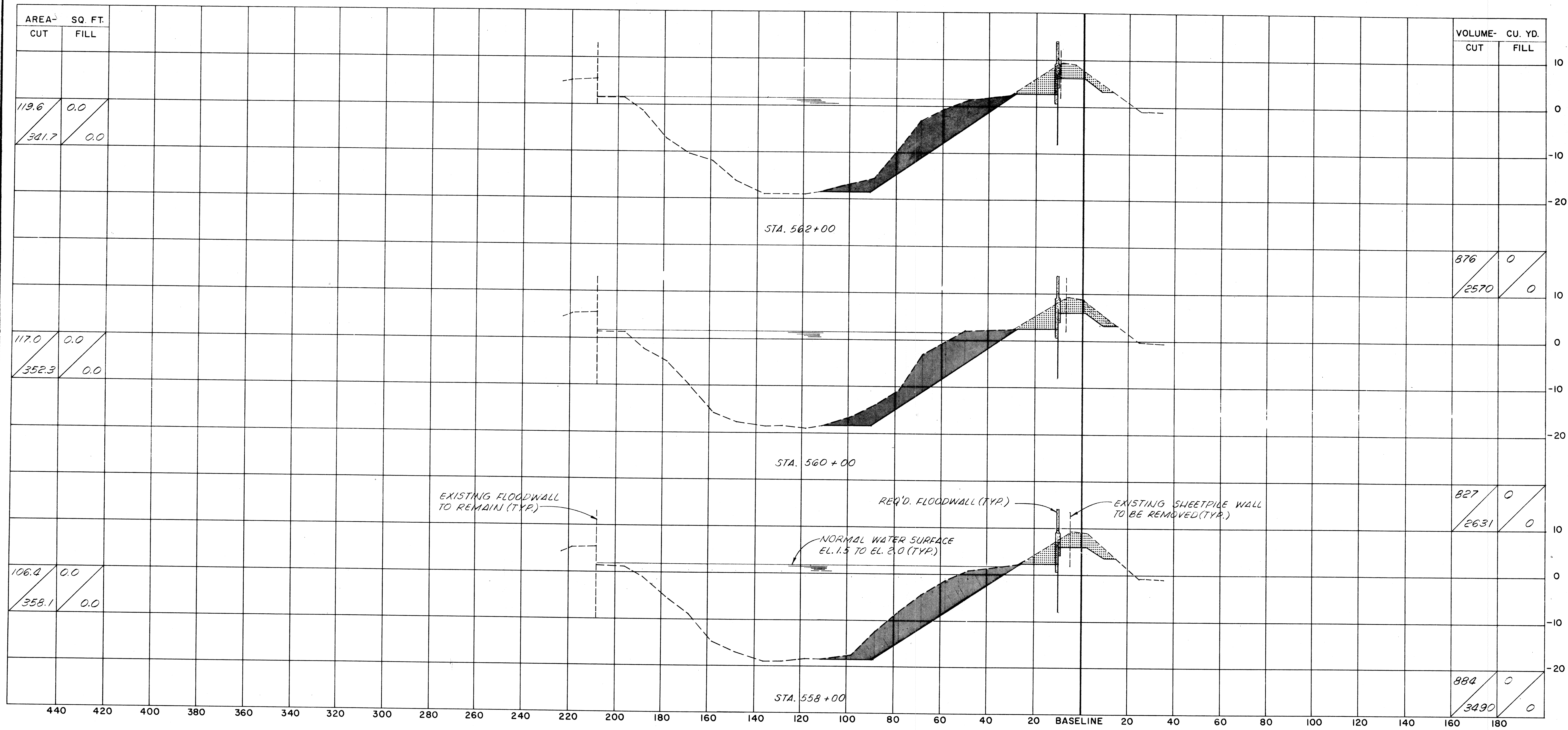
17TH STREET CANAL

CROSS SECTIONS- 6

DATE		DESCRIPTION	BY

DESIGNED	F.S.	DATE	MAR 1994
CHECKED	M.L.S.	CHECKED	

DRWG. BY	A.P.A.
SCALE	AS NOTED
DRWG. NO.	39 OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

A	C
B	D

A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

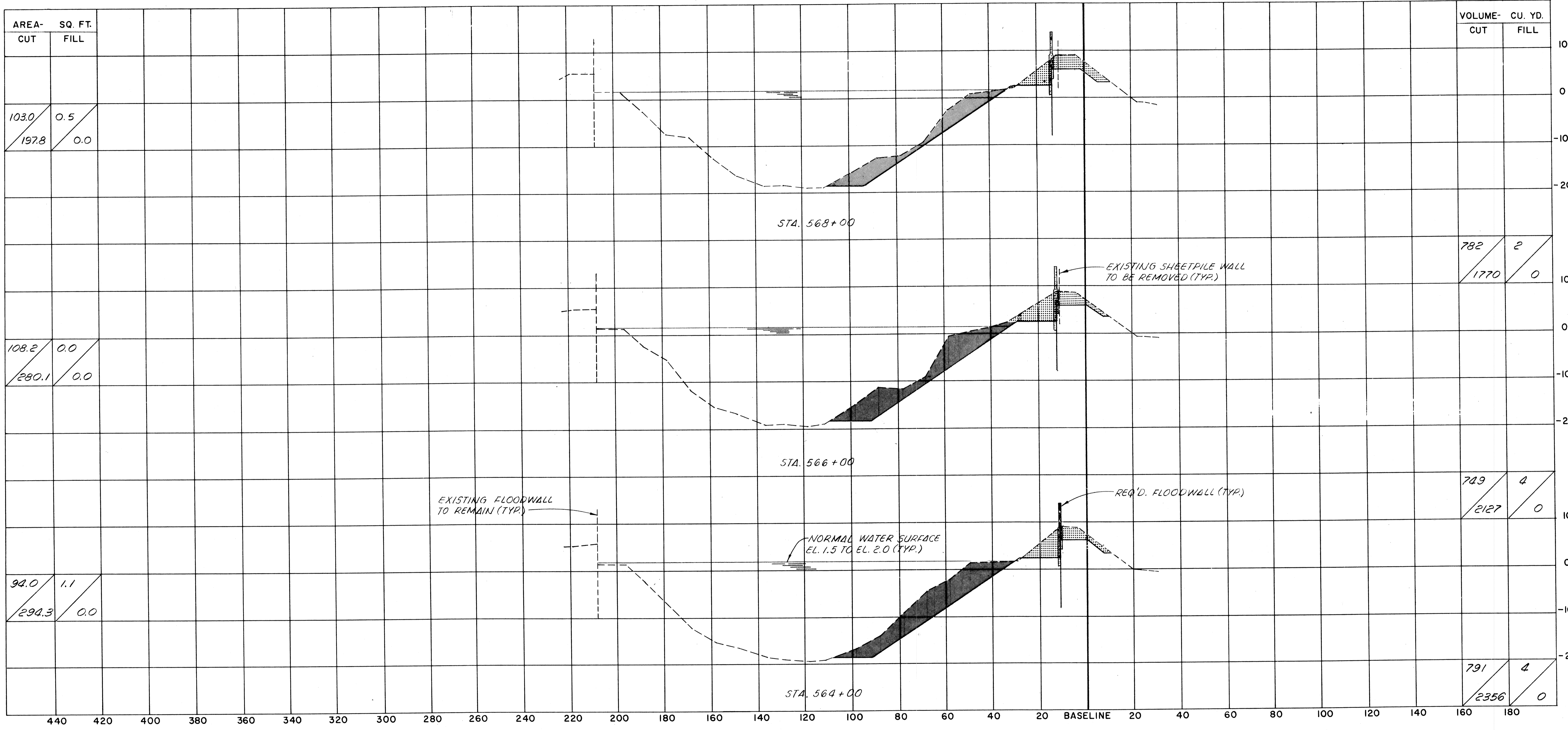
NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS-7

Modjeski & Masters		DRWN. BY	A.P.A.
New Orleans Louisiana		SCALE	AS NOTED
DESIGNED	F.S.	DATE	MAR 1992
CHECKED	M.L.S.	CHECKED	
		DRWG. NO.	40 OF



AREA- SQ. FT.	
CUT	FILL
1030	0.5
1978	0.0

108.2	0.0
280.1	0.0

94.0	1.1
294.3	0.0

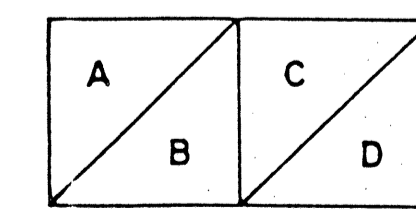
VOLUME- CU. YD.	
CUT	FILL

782	2
1770	0

749	4
2127	0

791	4
2356	0

SCALE
1" = 20' HORIZONTAL
1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
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C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
ALL ELEVATIONS REFER TO N.G.V.D.
SECTIONS ARE SHOWN LOOKING UPSTATION.

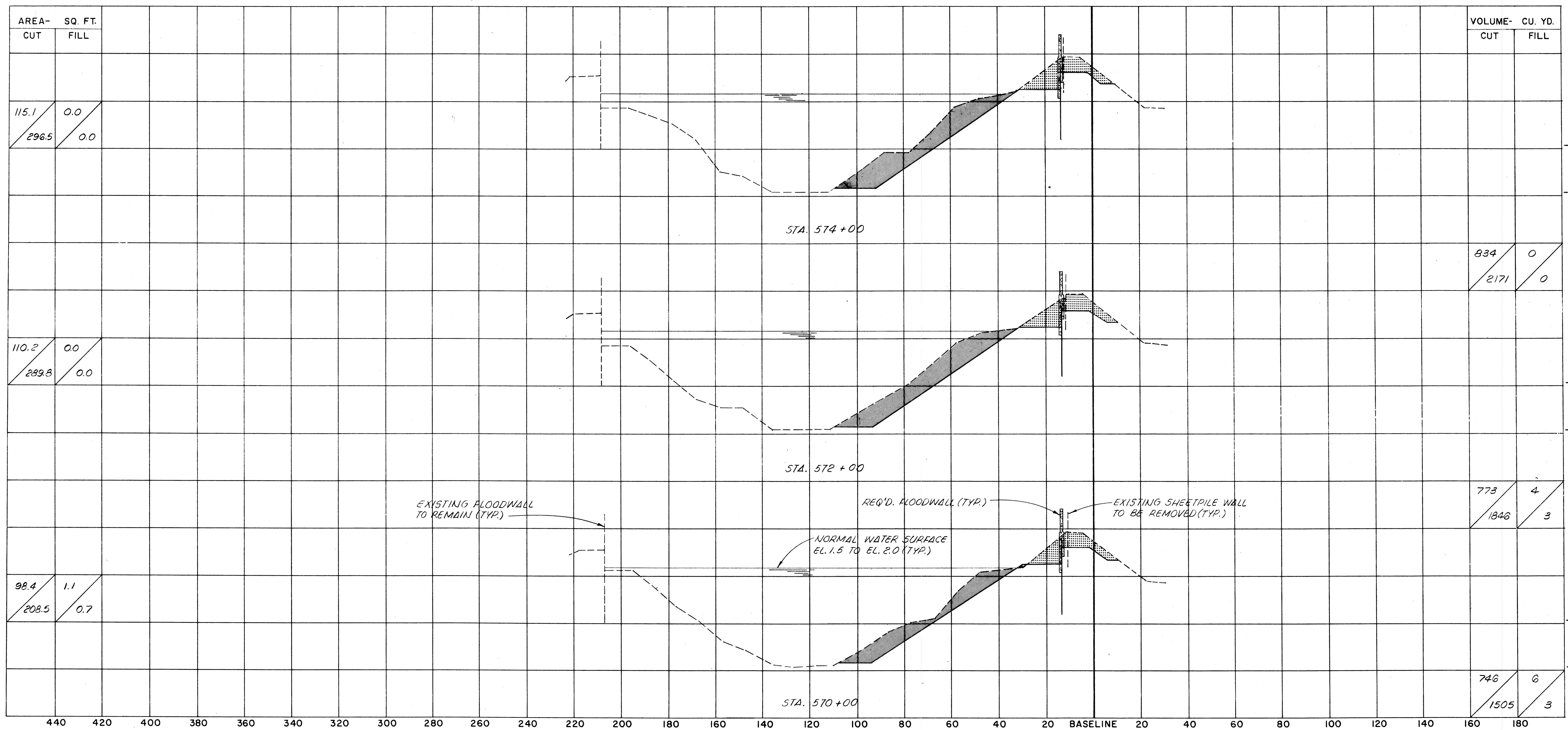
DATE	DESCRIPTION	BY

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS- 8

New Orleans		Louisiana		DRWG. BY
DESIGNED	F.S.	DATE	MAR 1952	A.P.A.
CHECKED	M.L.S.	CHECKED		SCALE AS NOTED
				DRWG. NO. 41 OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

A	C
B	D

 A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND
 EXCAVATION
 FILL
 DREDGING

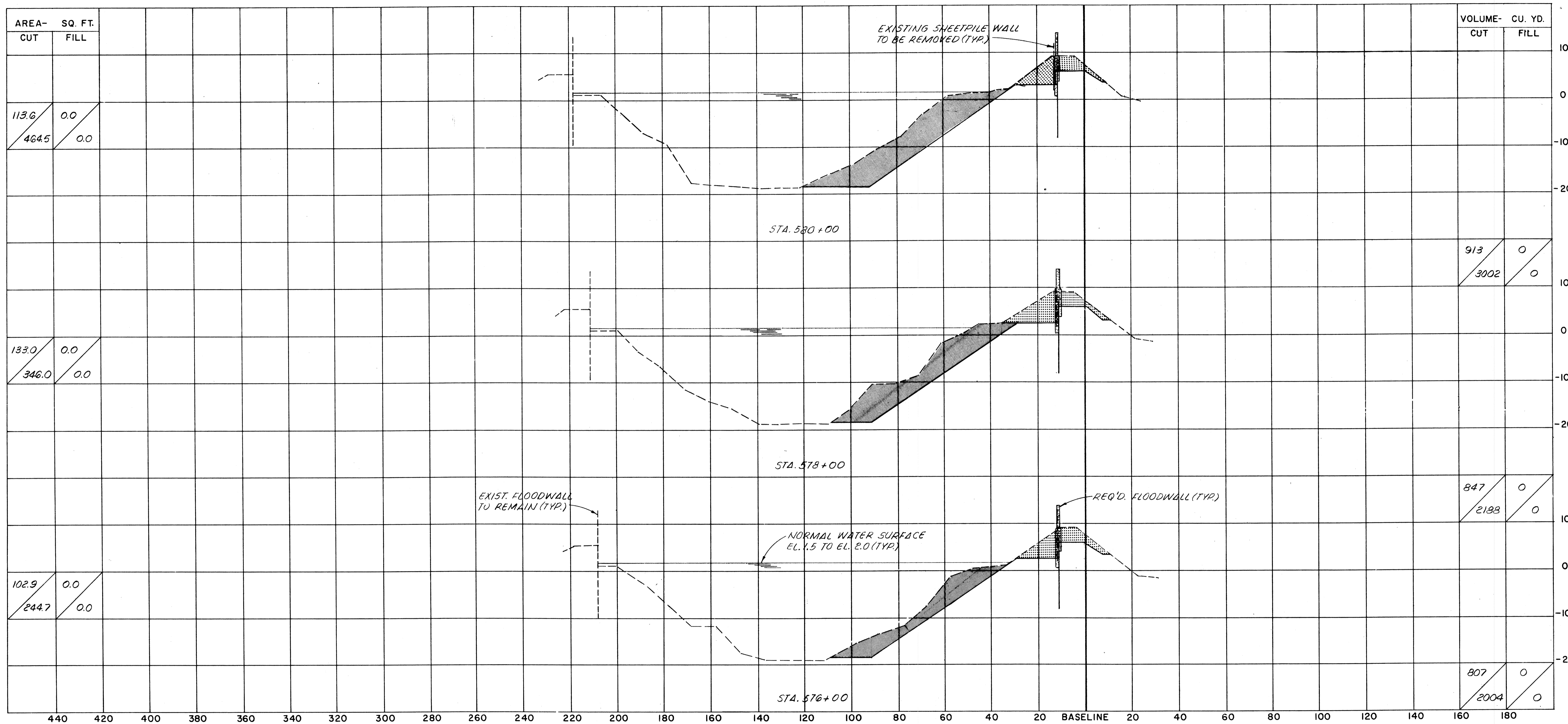
NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D..
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS - 9

Modjeski & Masters		DRWG. BY	A.P.A.
New Orleans Louisiana		SCALE	AS NOTED
DESIGNED	F.S.	DATE	MAR 1992
CHECKED	M.L.S.	DRWG. NO.	02 OF



AREA- SQ. FT.	
CUT	FILL
113.6	0.0
464.5	0.0

VOLUME- CU. YD.	
CUT	FILL
913	0
3002	0

AREA- SQ. FT.	
CUT	FILL
133.0	0.0
346.0	0.0

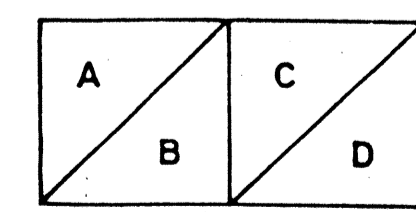
913	0
3002	0

AREA- SQ. FT.	
CUT	FILL
102.9	0.0
244.7	0.0

847	0
2188	0

807	0
2004	0

SCALE
1" = 20' HORIZONTAL
1" = 10' VERTICAL



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C = QUANTITY OF FILL MATERIAL ABOVE EL. 2.0
D = QUANTITY OF FILL MATERIAL BELOW EL. 2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

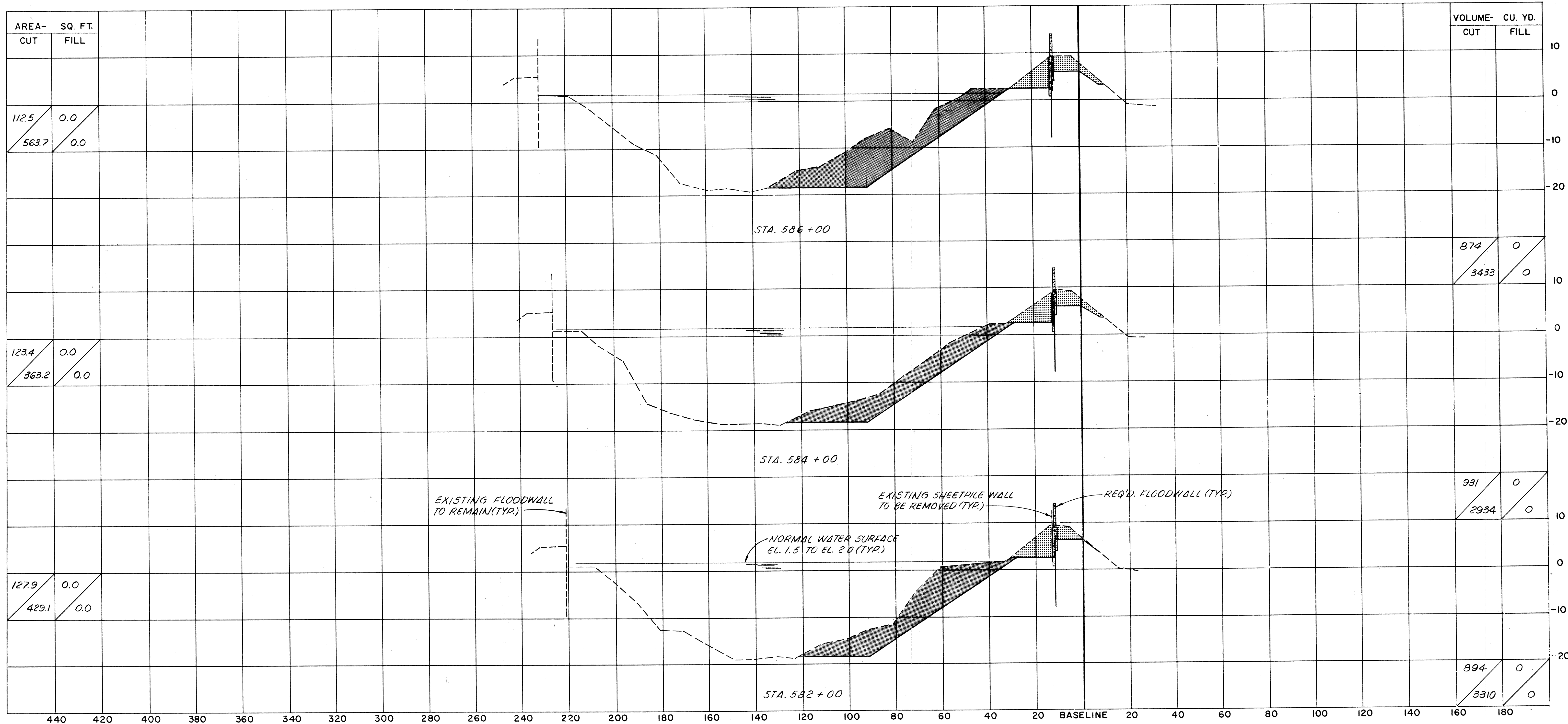
NOTES:
ALL ELEVATIONS REFER TO NGVD.
SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS - 10

DESIGNED	F.S.	DATE	MAR 1972
CHECKED	M.L.S.	CHECKED	
DRAWN BY		A.P.A.	
SCALE		AS NOTED	
DRAWING NO.		43 OF	



AREA- SQ. FT.	
CUT	FILL
112.5	0.0
563.7	0.0

VOLUME- CU. YD.	
CUT	FILL
874	0
3433	0

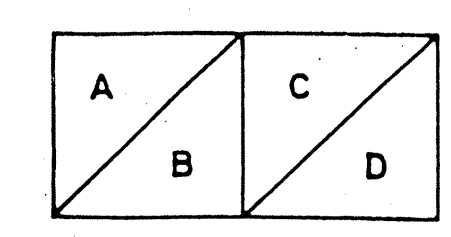
AREA- SQ. FT.	
CUT	FILL
123.4	0.0
363.2	0.0

VOLUME- CU. YD.	
CUT	FILL
931	0
2934	0

AREA- SQ. FT.	
CUT	FILL
1279	0.0
4291	0.0

VOLUME- CU. YD.	
CUT	FILL
894	0
3310	0

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



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 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

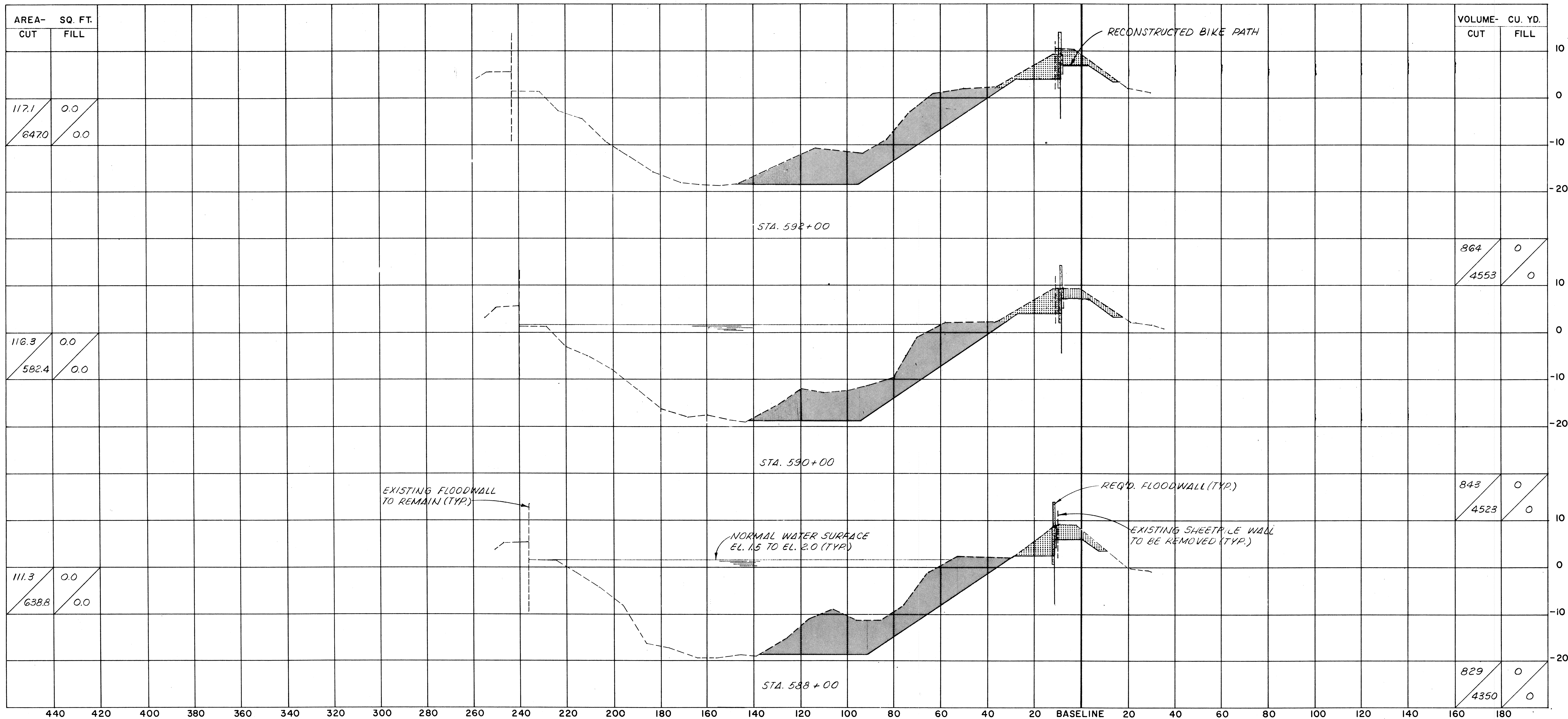
17TH STREET CANAL

CROSS SECTIONS - 11

DESIGNED	F.S.	Detailed	DATE	MAR	1992
CHECKED	M.L.S.	CHECKED	DATE		

Modjick & Masters
 New Orleans Louisiana
 DRAWN BY A.P.A.
 SCALE AS NOTED
 DRAWING NO. 44 OF

DATE	DESCRIPTION	BY



AREA- SQ. FT.	
CUT	FILL
117.1	0.0
6470	0.0

VOLUME- CU. YD.	
CUT	FILL
864	0
4553	0

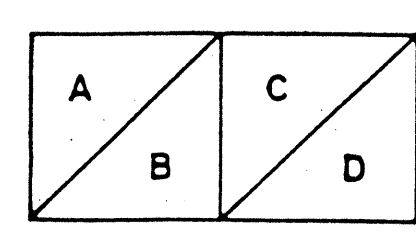
AREA- SQ. FT.	
CUT	FILL
116.3	0.0
5824	0.0

843	0
4523	0

AREA- SQ. FT.	
CUT	FILL
111.3	0.0
638.8	0.0

829	0
4350	0

SCALE
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1" = 10' VERTICAL



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C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

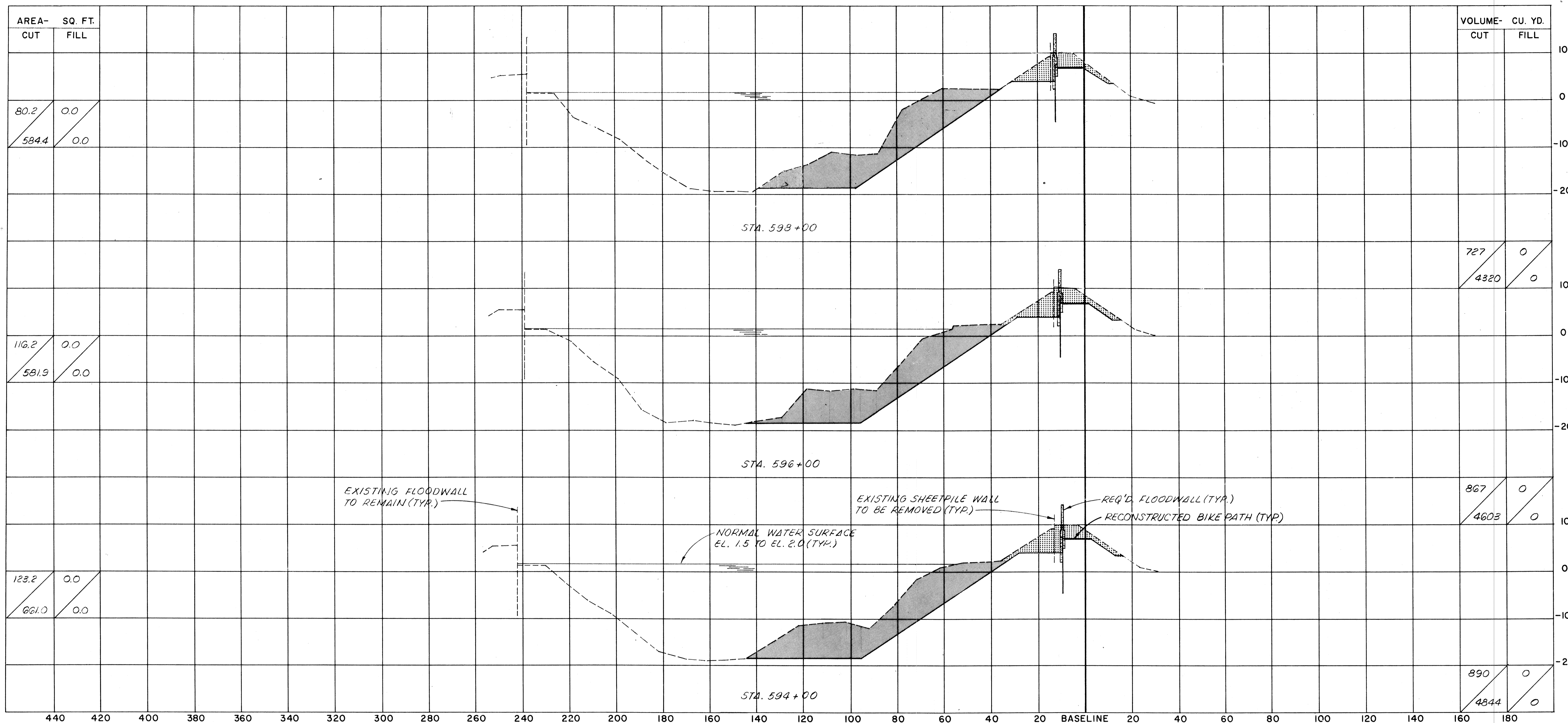
NOTES:
ALL ELEVATIONS REFER TO N.G.V.D.
SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS - 12

New Orleans		Louisiana		DRWG. BY	A.P.A.
DESIGNED F.S.		DETAILED		SCALE	AS NOTED
DATE	DESCRIPTION	BY	CHECKED	DATE	MAR 1992
	REVISIONS		CHECKED	DRWG. NO.	45 OF



AREA- SQ. FT.	
CUT	FILL
80.2	0.0
584.4	0.0

VOLUME- CU. YD.	
CUT	FILL
727	0
4320	0

AREA- SQ. FT.	
CUT	FILL
116.2	0.0
581.9	0.0

727	0
4320	0

AREA- SQ. FT.	
CUT	FILL
123.2	0.0
661.0	0.0

867	0
4603	0

890	0
4844	0

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

 EXCAVATION
 FILL
 DREDGING

NOTES:
 ALL ELEVATIONS REFER TO NG.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

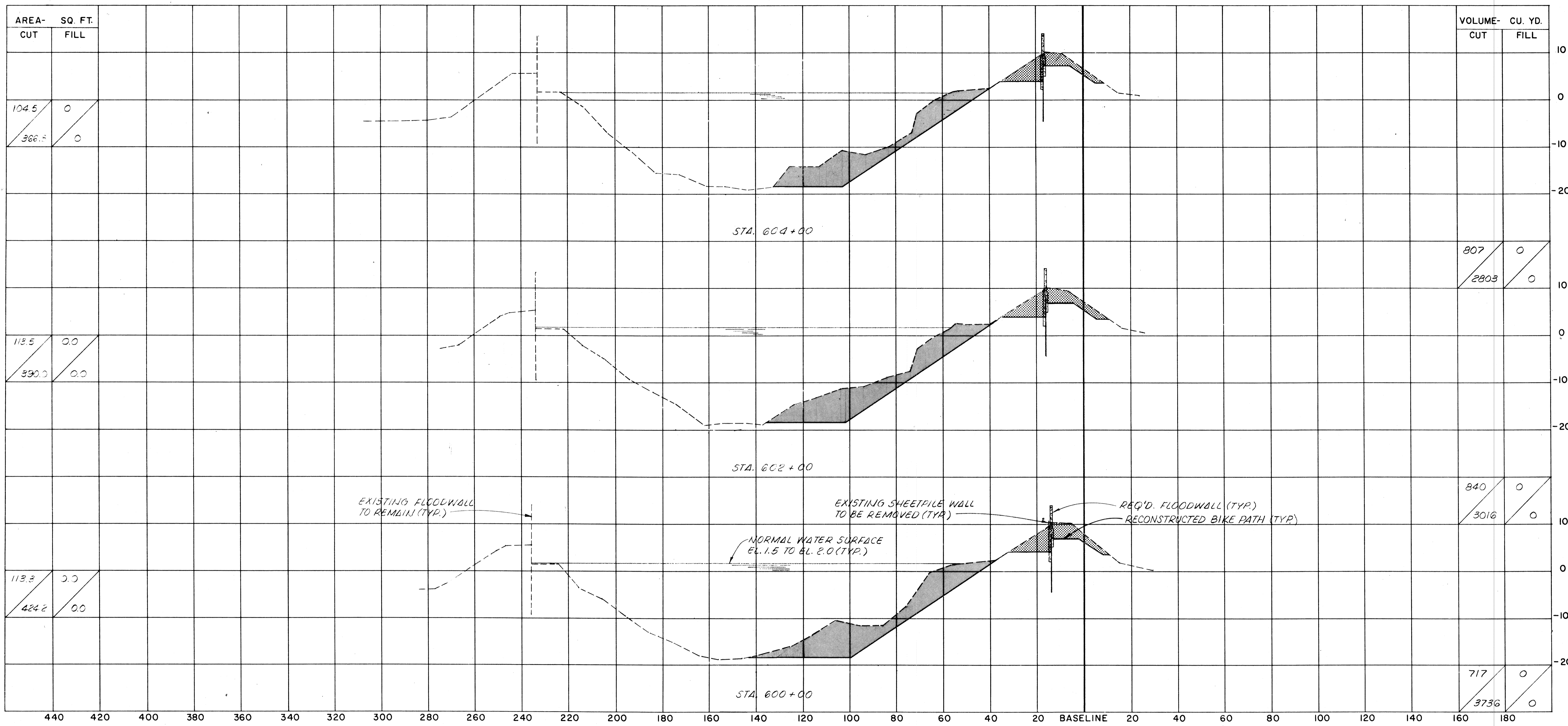
The Board of Levee Commissioners
 OF THE
East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS - 13

Modjeski & Masters		DRWG. BY	A.P.A.
New Orleans Louisiana		SCALE	AS NOTED
DESIGNED	F.S.	DATE	MAR 1992
CHECKED	M.L.S.	CHECKED	

DATE	DESCRIPTION	BY
	REVISIONS	



AREA- SQ. FT.	
CUT	FILL
104.5	0
366.5	0

VOLUME- CU. YD.	
CUT	FILL
807	0
2803	0

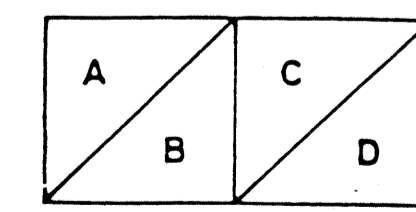
AREA- SQ. FT.	
CUT	FILL
118.5	0.0
390.0	0.0

840	0
3016	0

AREA- SQ. FT.	
CUT	FILL
118.3	0.0
424.2	0.0

717	0
3736	0

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

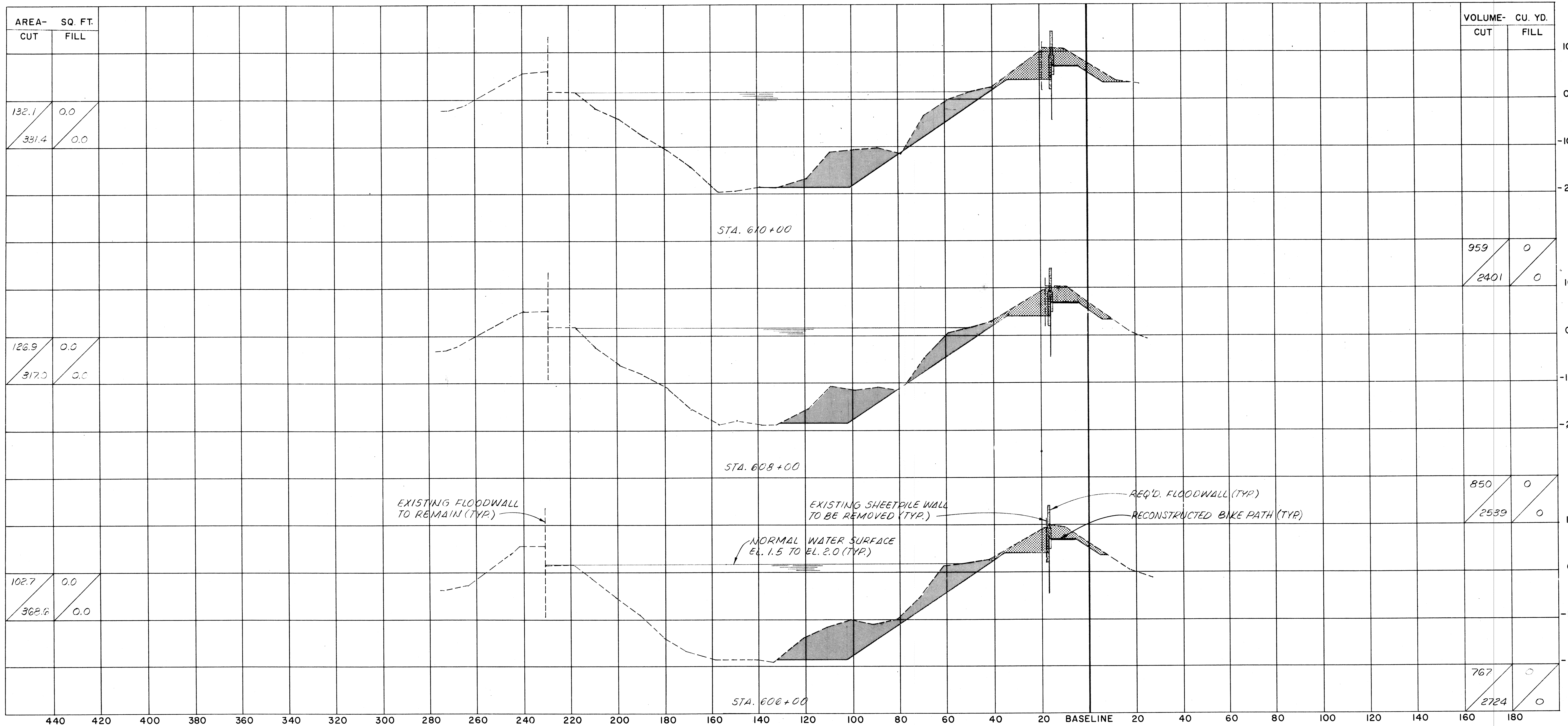
The Board of Levee Commissioners
 OF THE
East Jefferson Levee District

17TH STREET CANAL

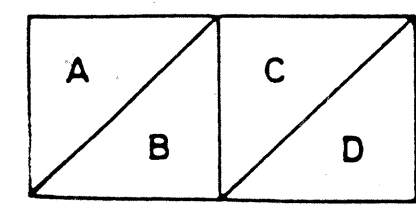
CROSS SECTIONS- 14

Modjeak & Masters		DRWG. BY	APR
New Orleans Louisiana		SCALE	AS NOTED
DESIGNED	F.S.	DATE	MAR 1977
CHECKED	M.L.S.	CHECKED	

DATE	DESCRIPTION	BY

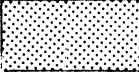
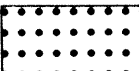



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

-  EXCAVATION
-  FILL
-  DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

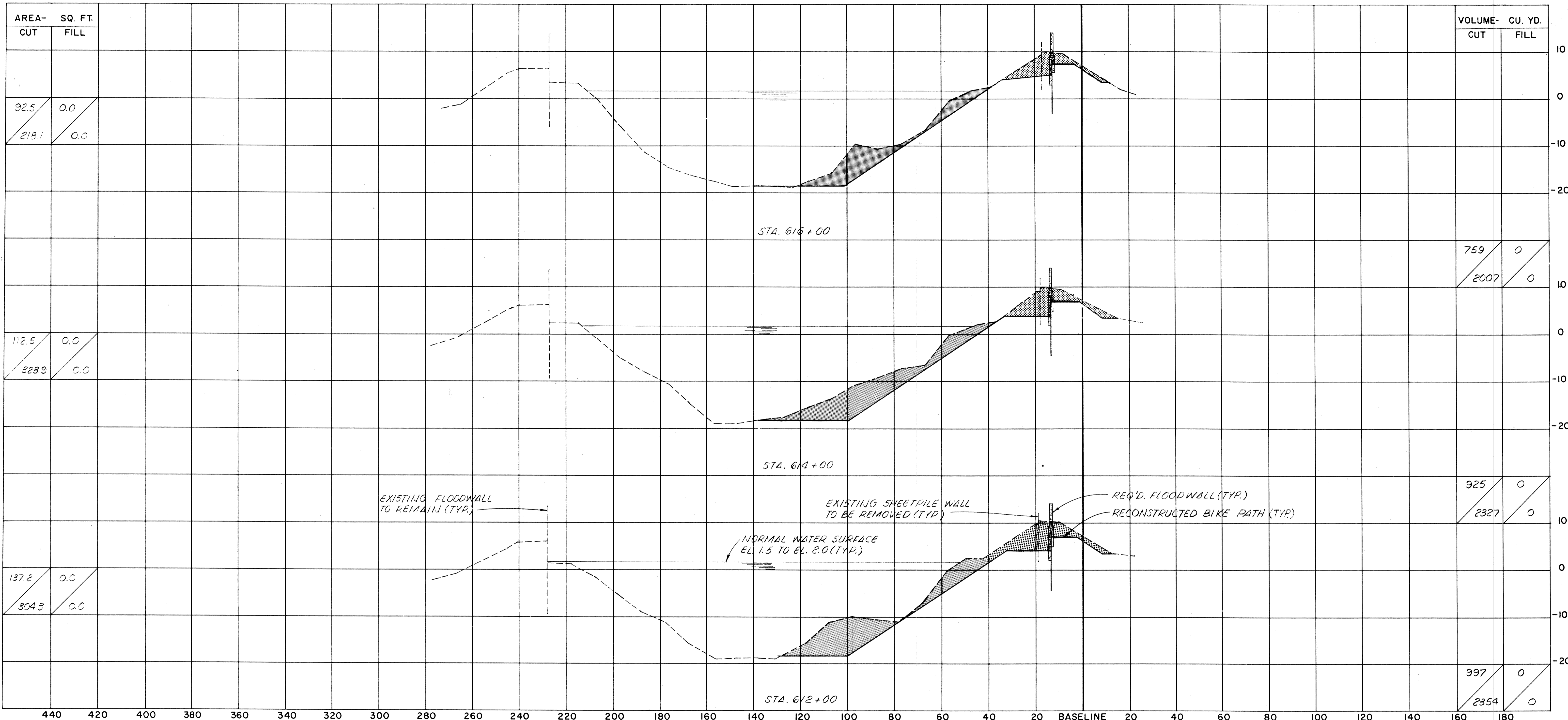
The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS- 15

Modjeski & Masters		DRWG. BY	A.P.A.
New Orleans Louisiana		SCALE	AS NOTED
DESIGNED	L.S.	DATE	MAR 1972
CHECKED	M.L.S.	CHECKED	
		DRWG. NO.	48 OF

DATE	DESCRIPTION	BY
	REVISIONS	



AREA- SQ. FT.	
CUT	FILL
92.5	0.0
218.1	0.0

VOLUME- CU. YD.	
CUT	FILL
759	0
2007	0

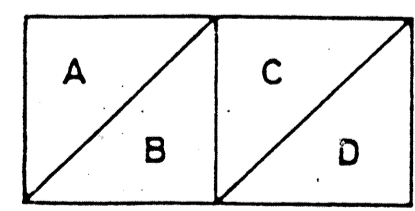
AREA- SQ. FT.	
CUT	FILL
112.5	0.0
323.9	0.0

VOLUME- CU. YD.	
CUT	FILL
925	0
2327	0

AREA- SQ. FT.	
CUT	FILL
137.2	0.0
304.9	0.0

VOLUME- CU. YD.	
CUT	FILL
997	0
2354	0

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL. 2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL. 2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

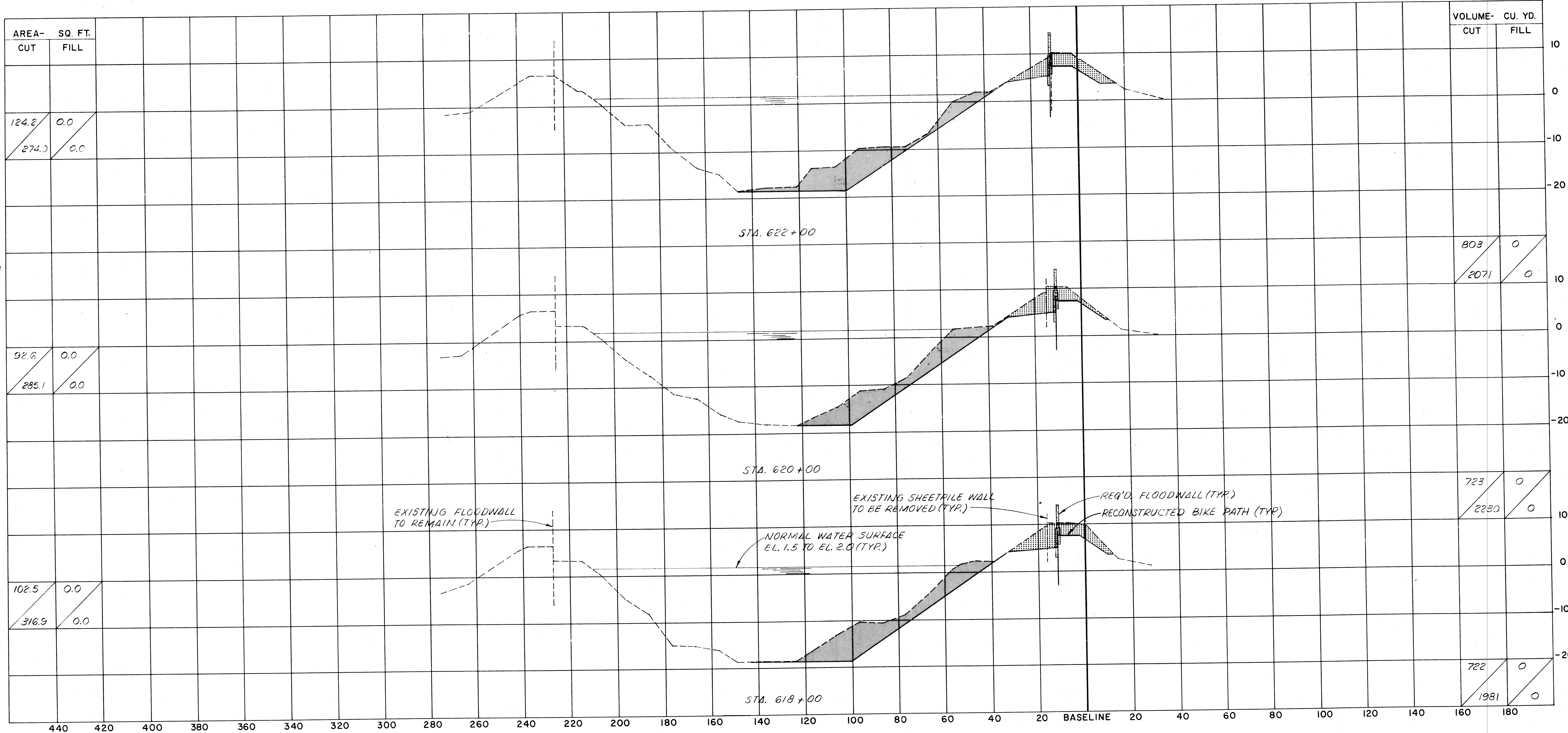
17TH STREET CANAL

CROSS SECTIONS-16

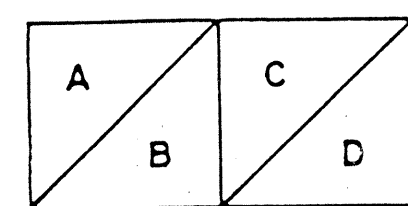
DATE	DESCRIPTION	BY

New Orleans		Louisiana		DESIGNED BY	DATE
				F.S.	MAR 1992
				CHECKED	
				M.L.S.	

DRWG. BY A.P.A.
 SCALE AS NOTED
 DATE MAR 1992
 DRWG. NO. 49 OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:

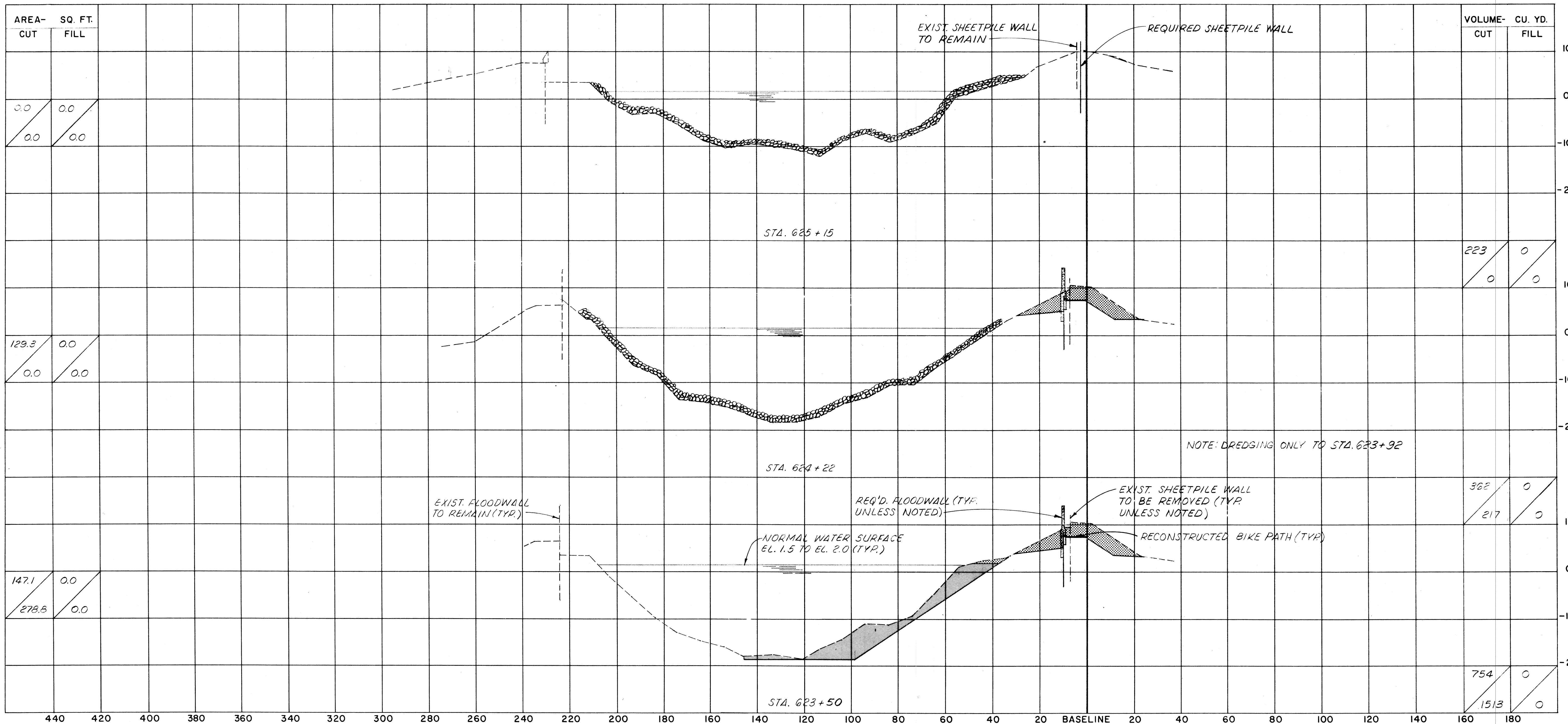
ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

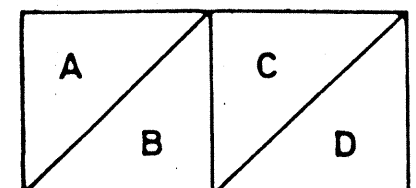
17TH STREET CANAL

CROSS SECTIONS - 17

New Orleans		Modjeed & Masters		DRWG. BY	A.P.A.
Louisiana		Louisiana		SCALE	AS NOTED
DATE	DESIGNER	BY	CHECKED	DATE	1992
	REVISIONS			DATE	MAR
				DRWG. NO.	50 OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

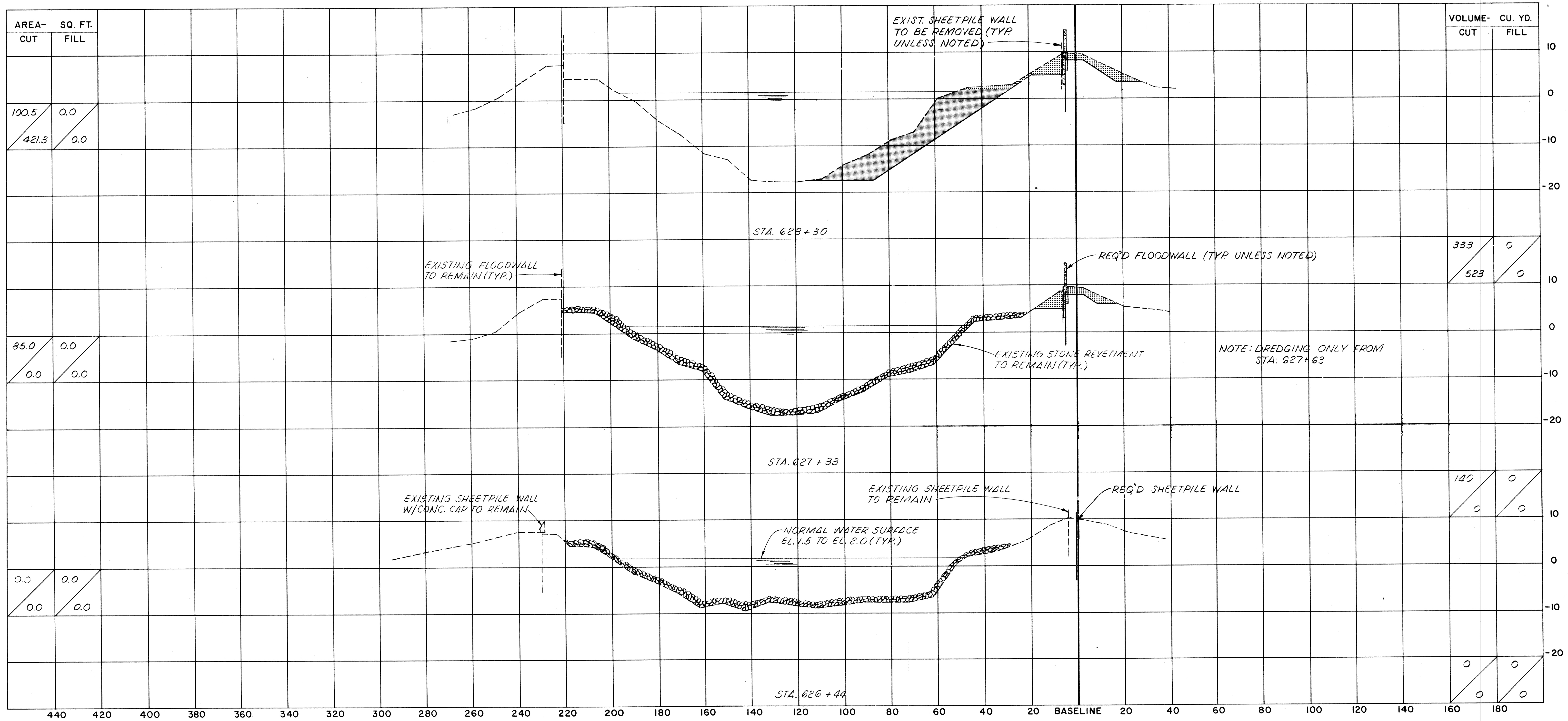
NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D..
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS-18

Modford & Masters		DRAWN BY <i>Z.P.A.</i>
New Orleans, Louisiana		SCALE <i>25 NOTED</i>
DESIGNED <i>F.S.</i>	DATE <i>MAR 1972</i>	Detailed
CHECKED <i>M.L.S.</i>	CHECKED	DRAWING NO. <i>51</i> OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

A	C
B	D

A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL. 2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL. 2.0

LEGEND

	EXCAVATION
	FILL
	DREDGING

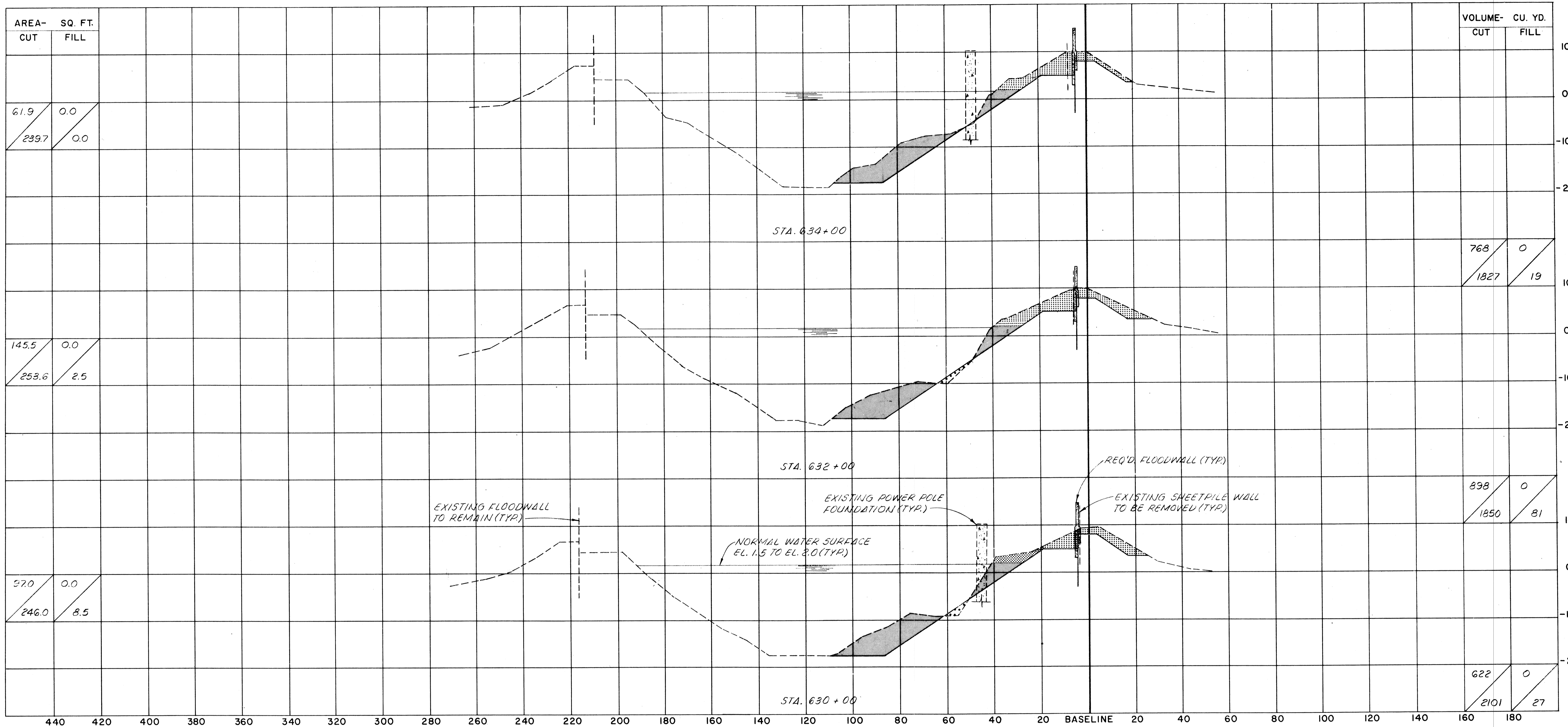
NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D..
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

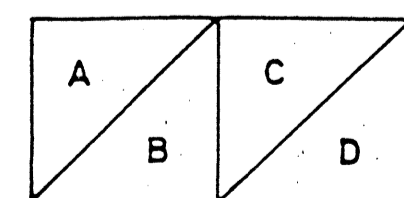
17TH STREET CANAL

CROSS SECTIONS-19

Modjeski & Masters		DRAWN BY: <i>L.P.A.</i>
New Orleans	Louisiana	SCALE: <i>AS NOTED</i>
DESIGNED: <i>F.S.</i>	DETAILED:	DATE: <i>MAR 1976</i>
CHECKED: <i>M.L.S.</i>	CHECKED:	DRAWING NO. <i>52</i> OF



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:

ALL ELEVATIONS REFER TO N.G.V.D..
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

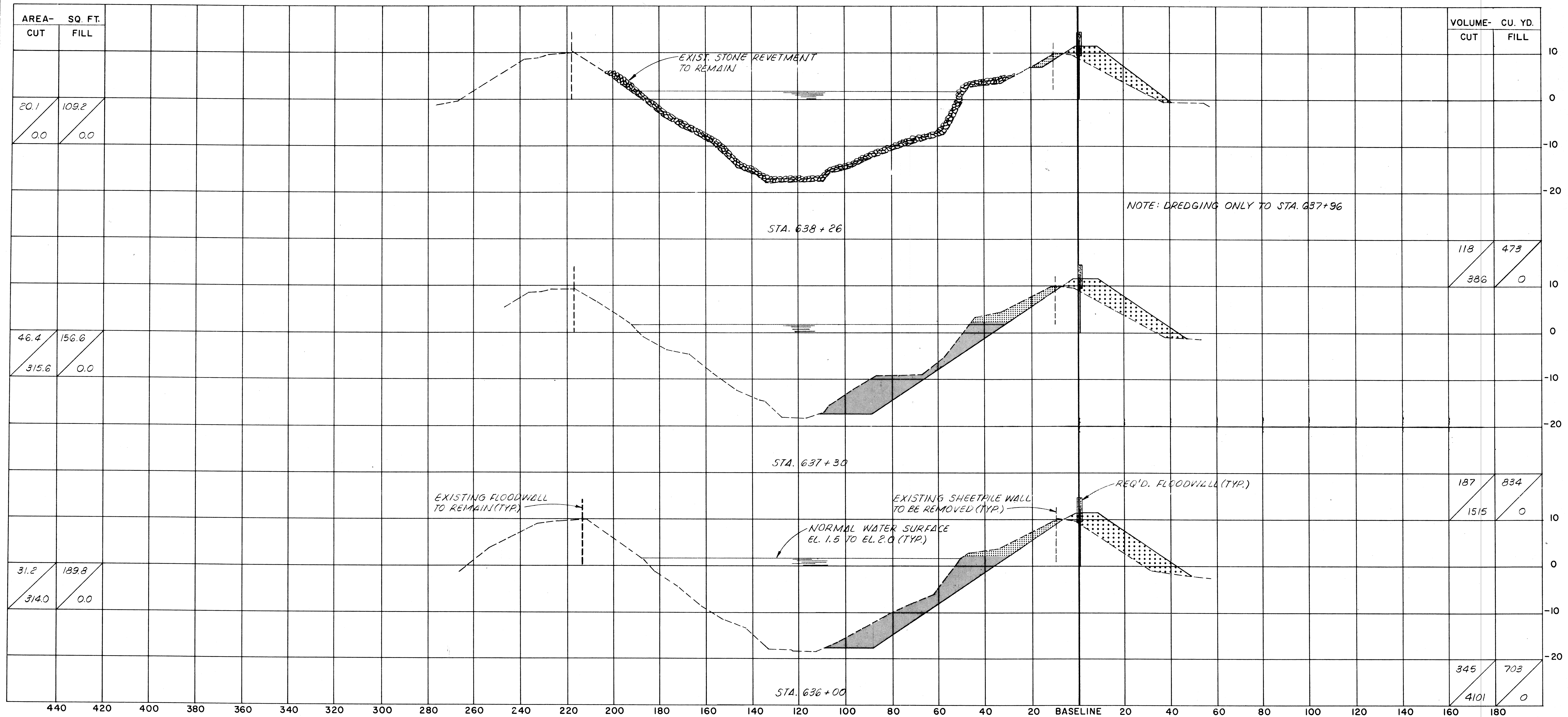
17TH STREET CANAL

CROSS SECTIONS-20

DATE	DESCRIPTION	BY

New Orleans		Louisiana	
DESIGNED	F.S.	DATE	MAR 1936
CHECKED	M.L.S.	CHECKED	

DRWG. BY	A.P.A.
SCALE	AS NOTED
DATE	MAR 1936
DRWG. NO.	53 OF



AREA- SQ. FT.	
CUT	FILL
20.1	109.2
0.0	0.0

VOLUME- CU. YD.	
CUT	FILL
118	473
386	0

AREA- SQ. FT.	
CUT	FILL
46.4	156.6
315.6	0.0

VOLUME- CU. YD.	
CUT	FILL
187	834
1515	0

AREA- SQ. FT.	
CUT	FILL
31.2	189.8
314.0	0.0

VOLUME- CU. YD.	
CUT	FILL
345	703
4101	0

SCALE
 1" = 20' HORIZONTAL
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A	C
B	D

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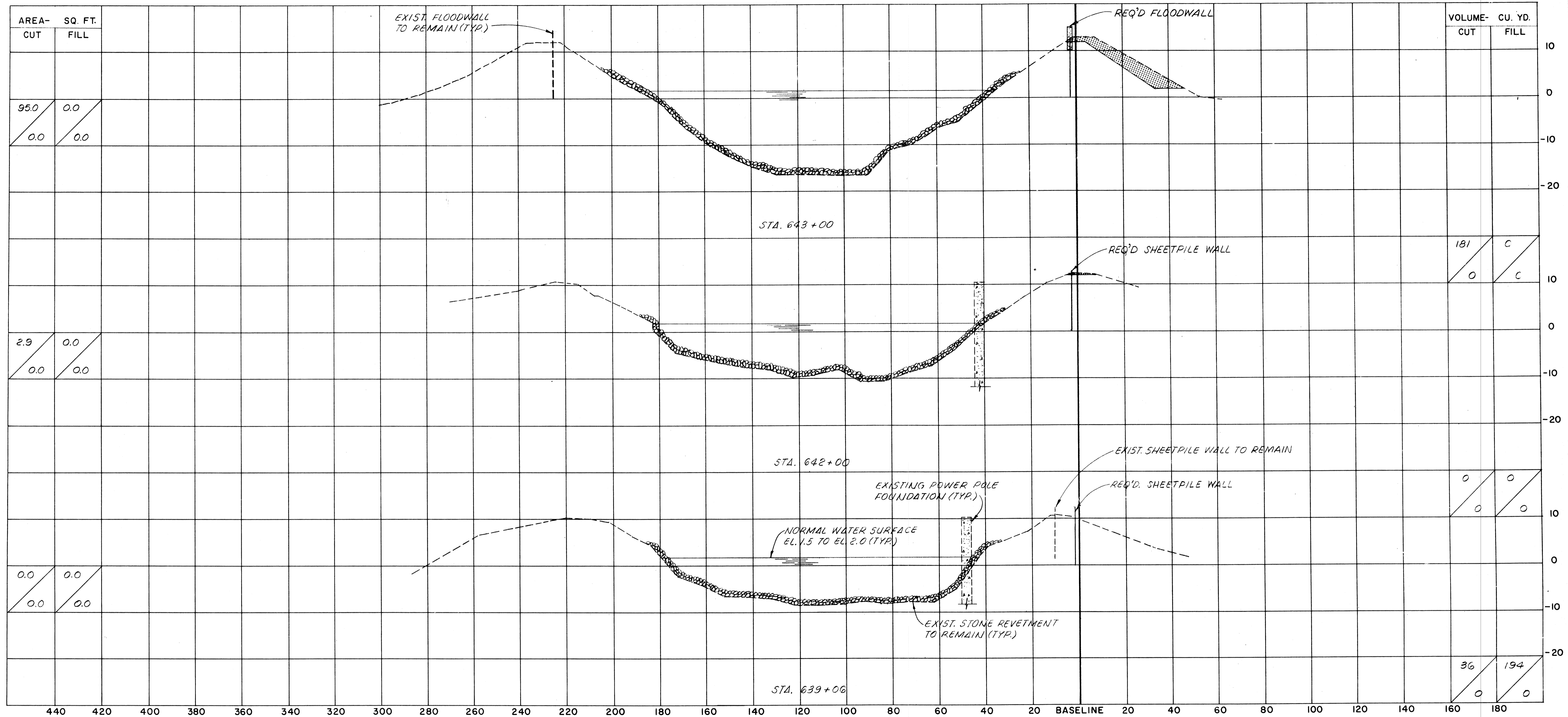
LEGEND
 EXCAVATION
 FILL
 DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
East Jefferson Levee District
 17TH STREET CANAL
 CROSS SECTIONS- 21

Modjeski & Masters		DESIGNED BY <i>A.P.A.</i> SCALE <i>AS NOTED</i>
DESIGNED <i>F.S.</i> CHECKED <i>M.L.S.</i>	DETAILED CHECKED	DATE <i>MAR 1922</i> DRAWING NO. <i>54</i> OF

DATE	DESCRIPTION	BY



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

A	C
B	D

A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

EXCAVATION

FILL

DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

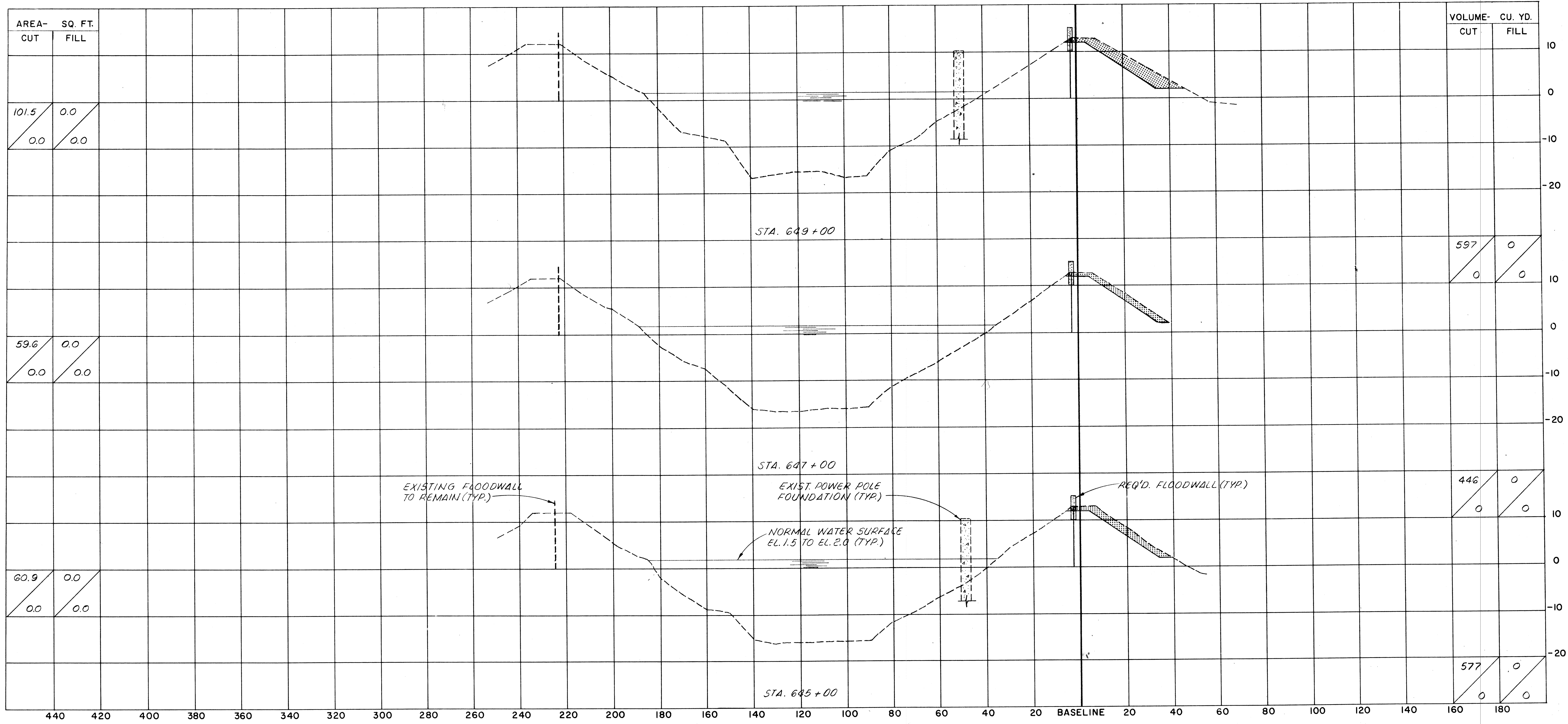
The Board of Levee Commissioners
 OF THE
East Jefferson Levee District

17TH STREET CANAL

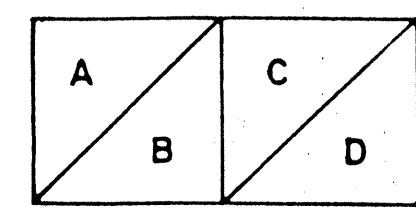
CROSS SECTIONS - 22

Modjeski & Masters		DRAWN BY <i>A.P.A.</i>
New Orleans	Louisiana	SCALE <i>AS NOTED</i>
DESIGNED <i>F.S.</i>	DETAILED	DATE <i>MAR 1974</i>
CHECKED <i>M.L.S.</i>	CHECKED	DRAWING NO. <i>55</i> OF

DATE	DESCRIPTION	BY



SCALE
 1" = 20' HORIZONTAL
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 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
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LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:

ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

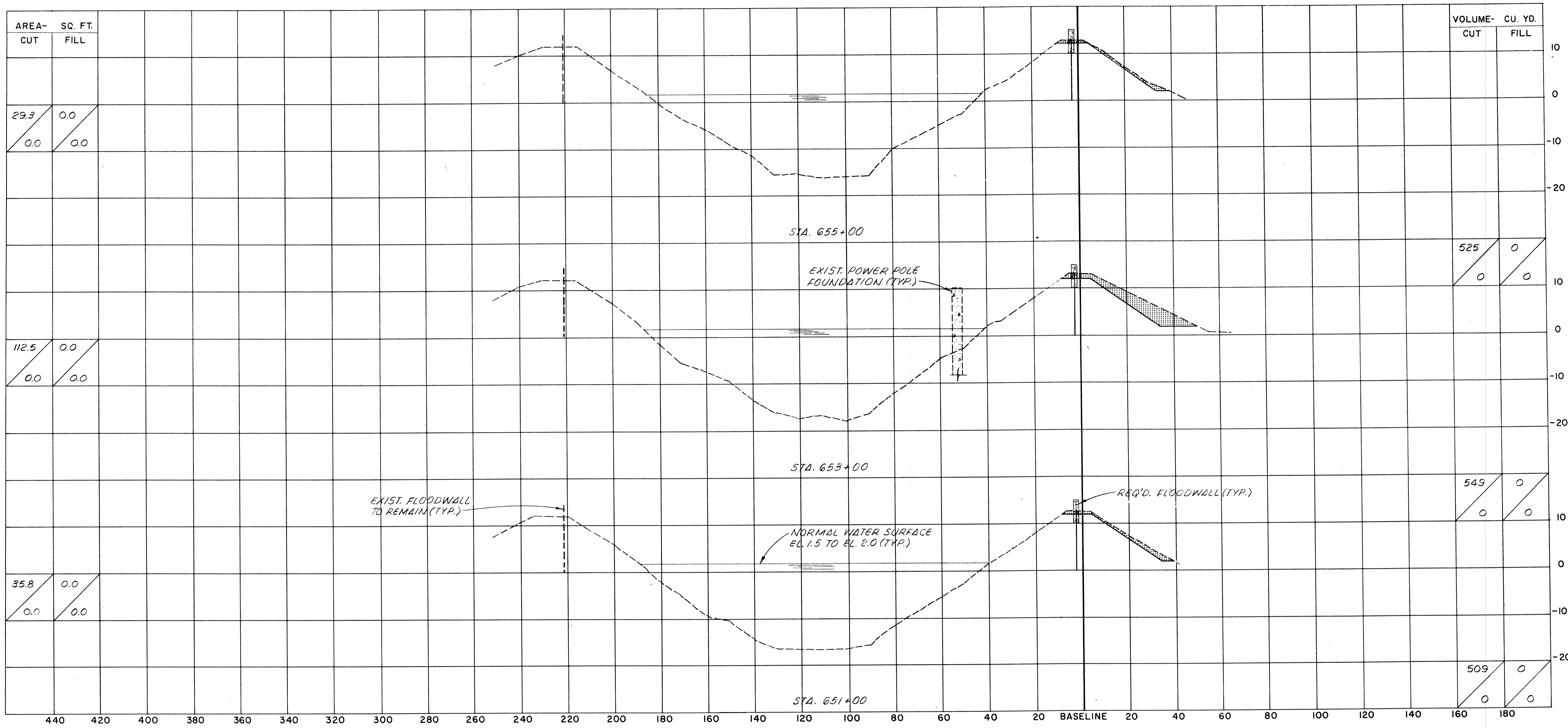
The Board of Levee Commissioners
 OF THE
East Jefferson Levee District

17TH STREET CANAL

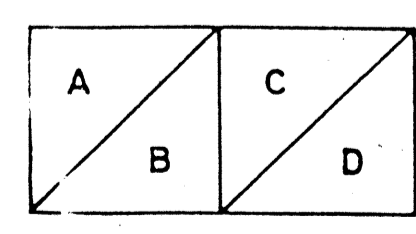
CROSS SECTIONS-23

Modjeed & Masters New Orleans Louisiana		DRWG. BY <i>A.P.A.</i>
DESIGNED <i>F.S.</i>		SCALE <i>AS NOTED</i>
DATE <i>MAR 1994</i>		DATE <i>MAR 1994</i>
CHECKED <i>M.L.S.</i>		DRWG. NO. <i>56</i> OF

DATE	DESCRIPTION	BY



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
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 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
 ALL ELEVATIONS REFER TO N.G.V.D..
 SECTIONS ARE SHOWN LOOKING UPSTATION.

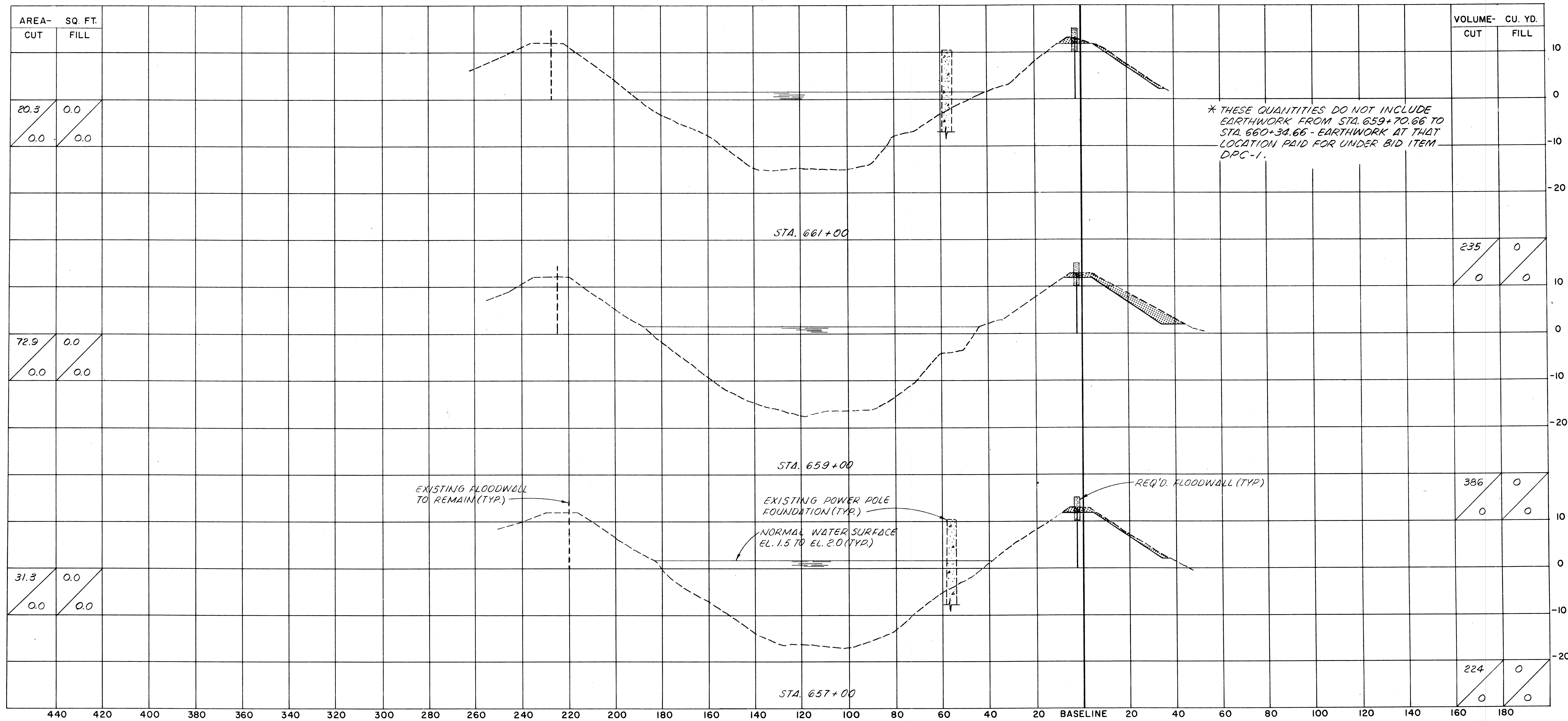
The Board of Levee Commissioners
 OF THE
East Jefferson Levee District

17TH STREET CANAL

CROSS SECTIONS - 24

Modjick & Masters		DRWG. BY	A.P.A.	
New Orleans Louisiana		SCALE	AS NOTED	
DESIGNED	F.S.	DATE	MAR 1992	
CHECKED	M.L.S.	CHECKED		
		DRWG. NO.	57 OF	

DATE	DESCRIPTION	BY



* THESE QUANTITIES DO NOT INCLUDE EARTHWORK FROM STA. 659+70.66 TO STA. 660+34.66 - EARTHWORK AT THAT LOCATION PAID FOR UNDER BID ITEM DPC-1.

SCALE
1" = 20' HORIZONTAL
1" = 10' VERTICAL

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C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND
 EXCAVATION
 FILL
 DREDGING

NOTES:
ALL ELEVATIONS REFER TO N.G.V.D.
SECTIONS ARE SHOWN LOOKING UPSTATION.

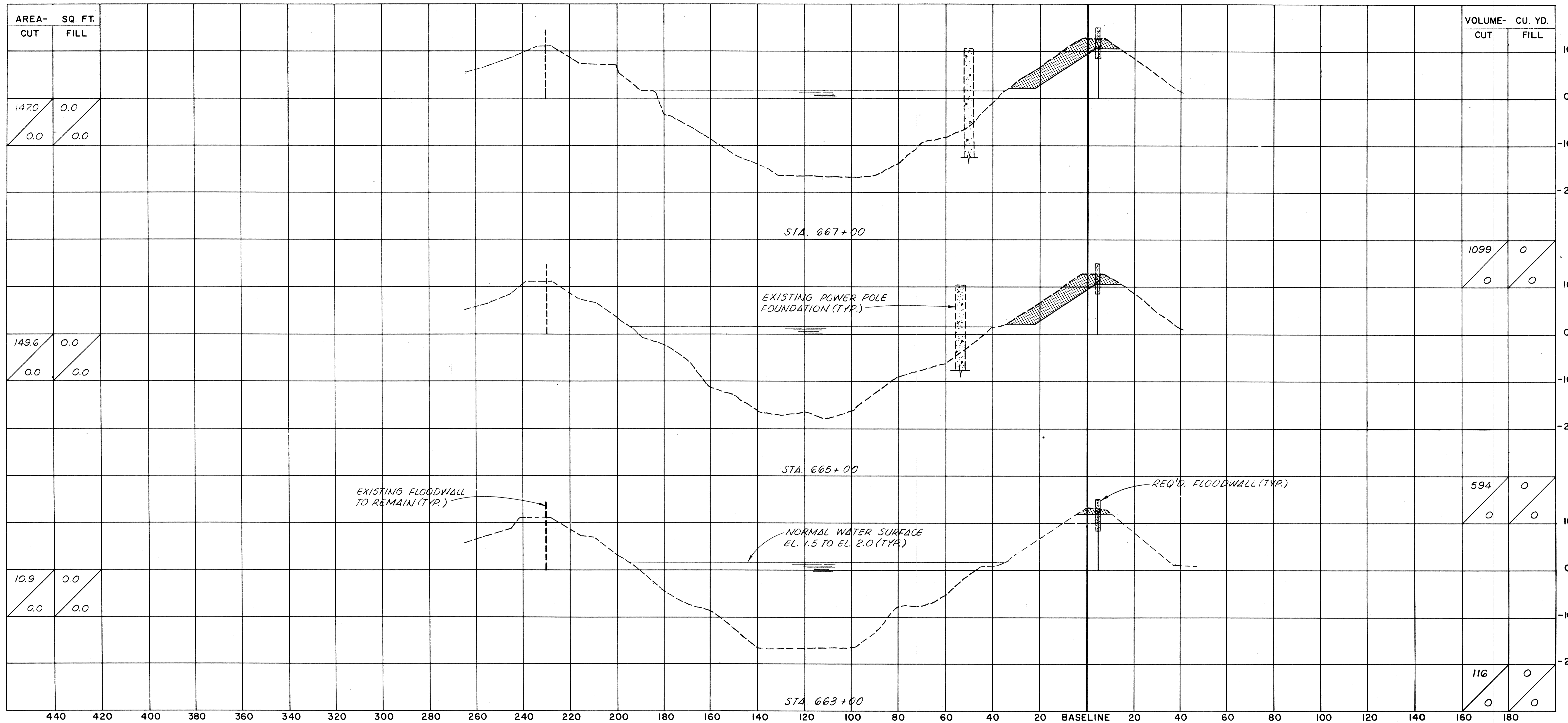
The Board of Levee Commissioners
OF THE
East Jefferson Levee District

17TH STREET CANAL

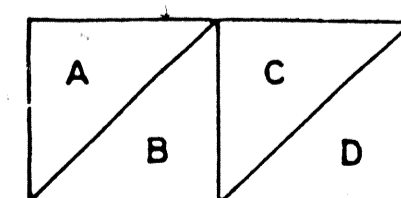
CROSS SECTIONS - 25

Modjick & Masters		DRAWN BY <i>A.P.A.</i>
New Orleans Louisiana		SCALE <i>AS NOTED</i>
DESIGNED <i>F.S.</i>	DATE	DATE <i>MAR 1992</i>
CHECKED <i>M.L.S.</i>	CHECKED	DRAWN NO. <i>58</i> OF

DATE	DESCRIPTION	BY






SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL



A = QUANTITY OF EXCAVATION MATERIAL
 B = QUANTITY OF DREDGE MATERIAL
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 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

-  EXCAVATION
-  FILL
-  DREDGING

NOTES:

ALL ELEVATIONS REFER TO N.G.V.D.
 SECTIONS ARE SHOWN LOOKING UPSTATION.

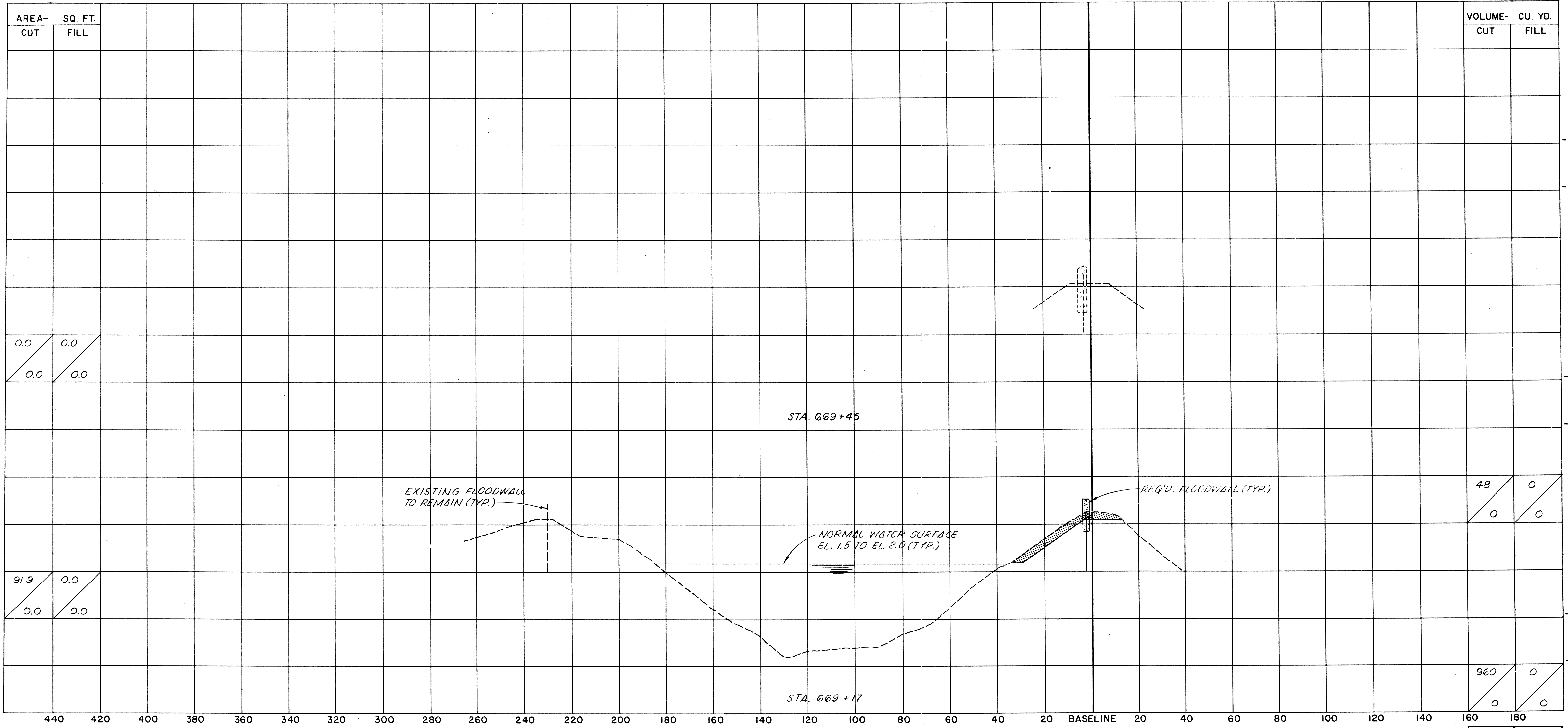
DATE	DESCRIPTION	BY

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

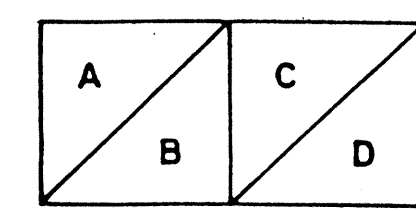
17TH STREET CANAL

CROSS SECTIONS-26

Modjeski & Masters		DRWG. BY	A.P.A.
New Orleans	Louisiana	SCALE	AS NOTED
DESIGNED	F.S.	DATE	MAR 1992
CHECKED	M.L.S.	CHECKED	
		DRWG. NO.	59 OF



SCALE
 1" = 20' HORIZONTAL
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 C = QUANTITY OF FILL MATERIAL ABOVE EL.2.0
 D = QUANTITY OF FILL MATERIAL BELOW EL.2.0

LEGEND

- EXCAVATION
- FILL
- DREDGING

NOTES:
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 SECTIONS ARE SHOWN LOOKING UPSTATION.

The Board of Levee Commissioners
 OF THE
 East Jefferson Levee District

17TH STREET CANAL

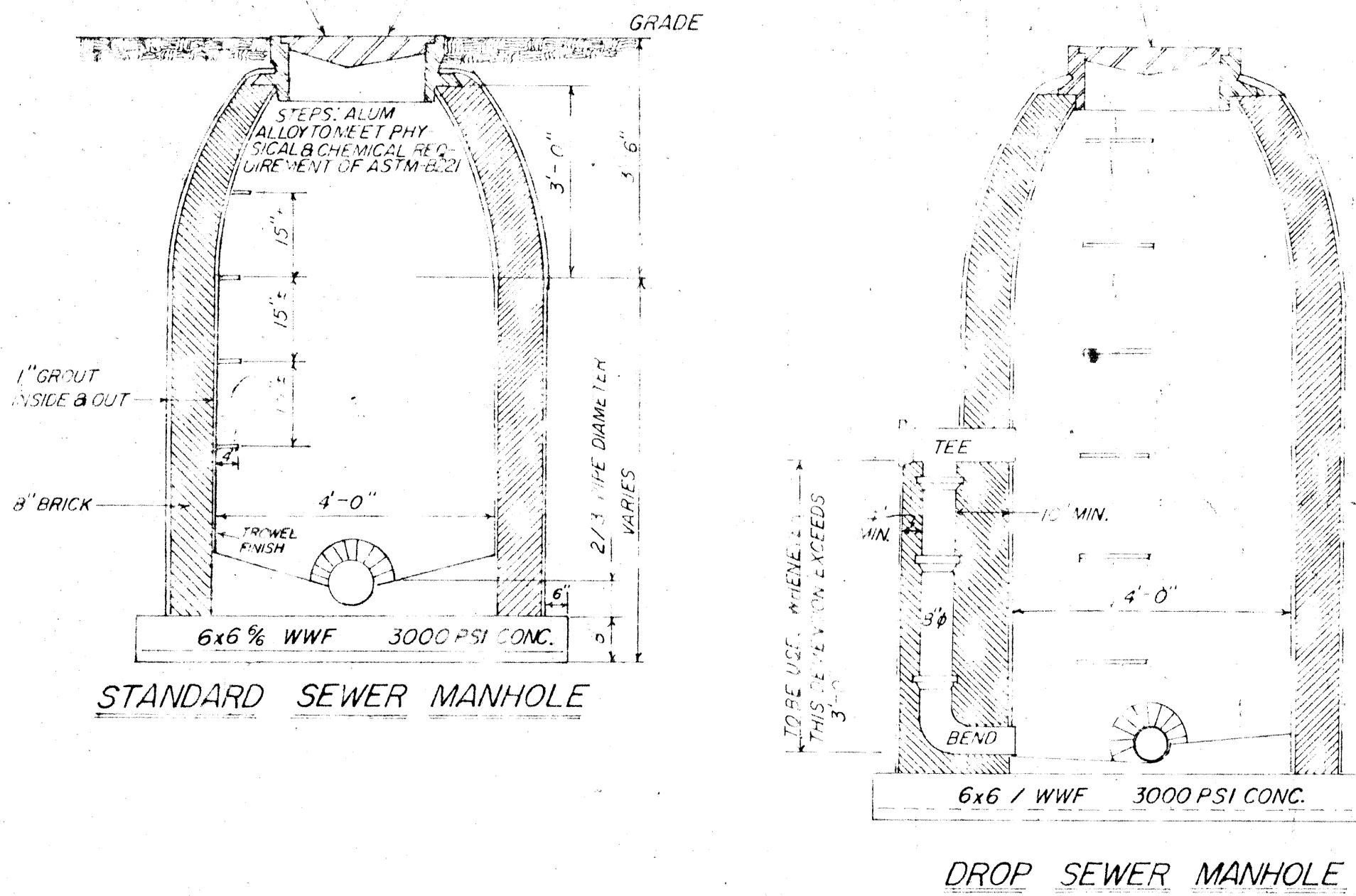
CROSS SECTIONS- 27

DATE		DESCRIPTION	BY	DESIGNED	DATE	DETAILED	DATE
		REVISIONS		F.S.	MAR		1992
				CHECKED	M.L.S.	CHECKED	DRWG. NO. 60 OF

Modford & Masters
 New Orleans Louisiana
 DRAWN BY A.P.A.
 SCALE AS NOTED
 DATE MAR 1992
 DRWG. NO. 60 OF

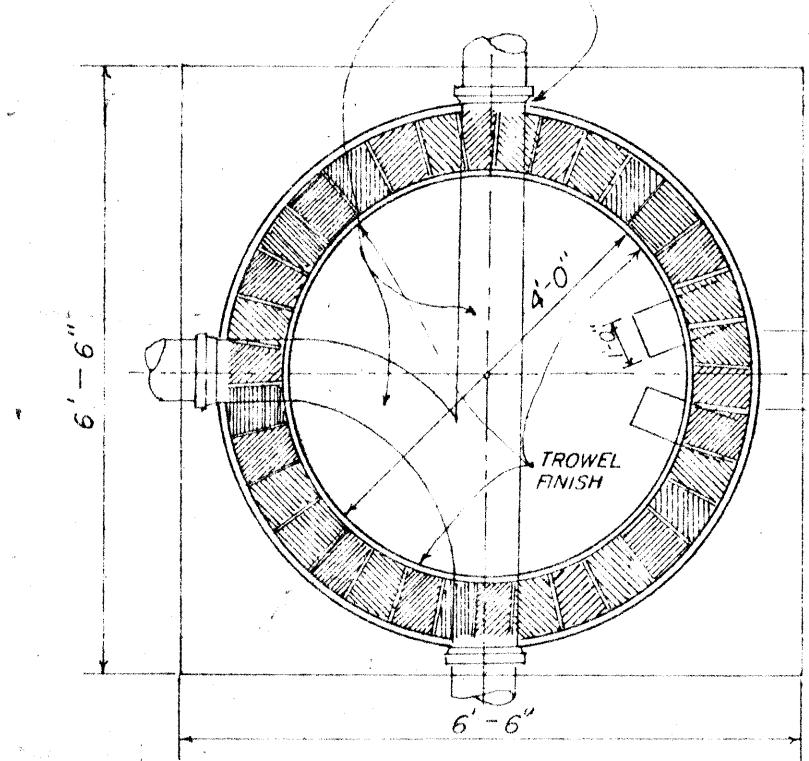
VULCAN FOUNDRY INC.
PATTERN VM-3 OR
APPROVED EQUAL

DIAMOND THREAD WITH THE
WORD SEWER CASTING INTO
COVER



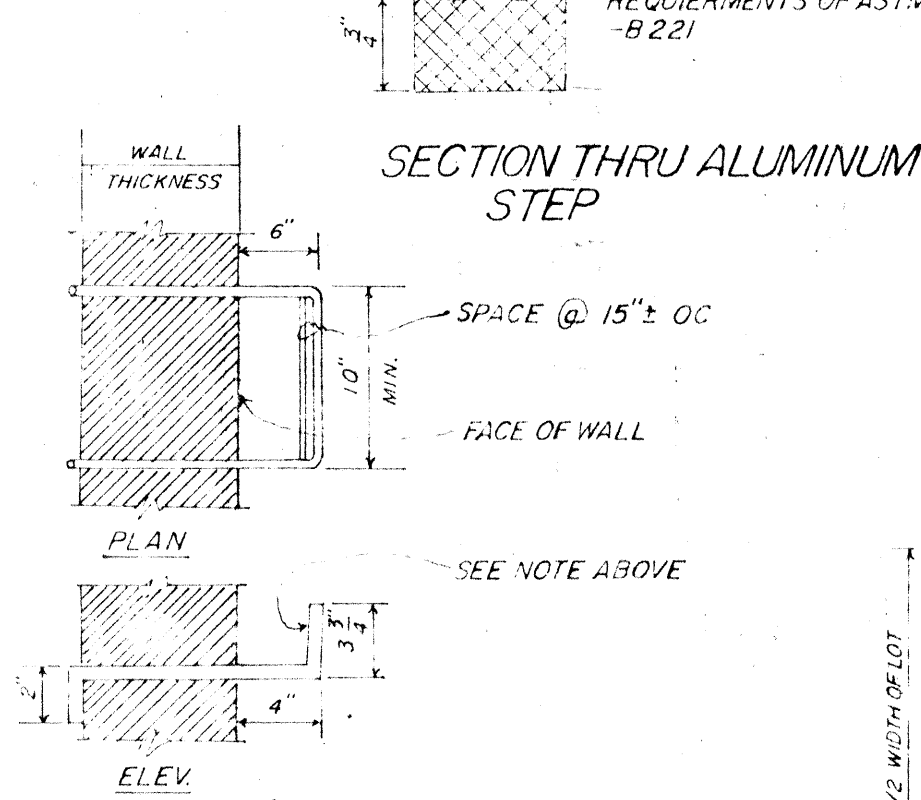
BUILD FLOW TROUGH AT BOTTOM
OF MANHOLE TO PERMIT EASY FLOW.

PROVIDE 12" SPUR WITH BELL ON
EACH SIDE OF MANHOLE

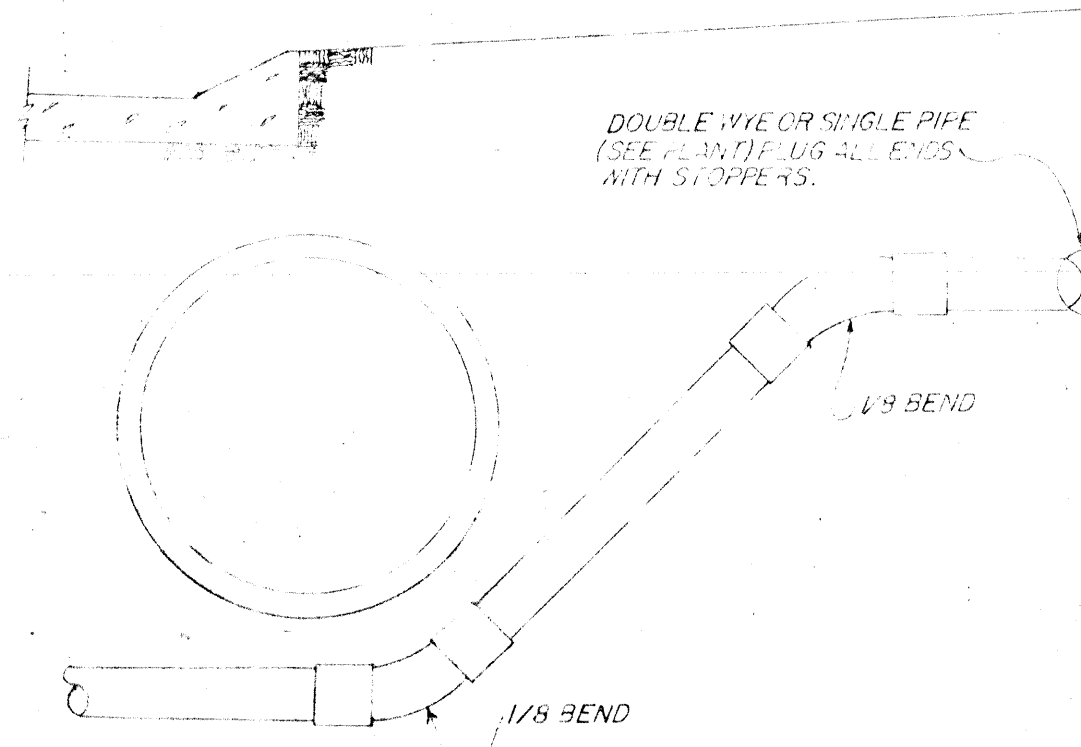


TYPICAL SEWER
MANHOLE BOTTOM

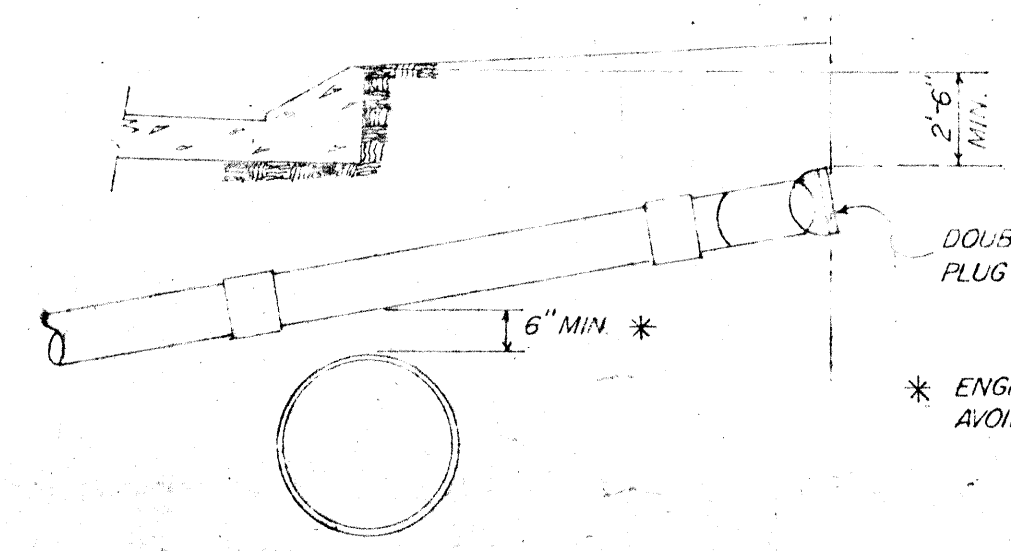
ALUMINUM ALLOY TO MEET
PHYSICAL & CHEMICAL
REQUIREMENTS OF ASTM
B 221



DETAIL OF ALUMINUM ALLOY
STEPS FOR MANHOLES

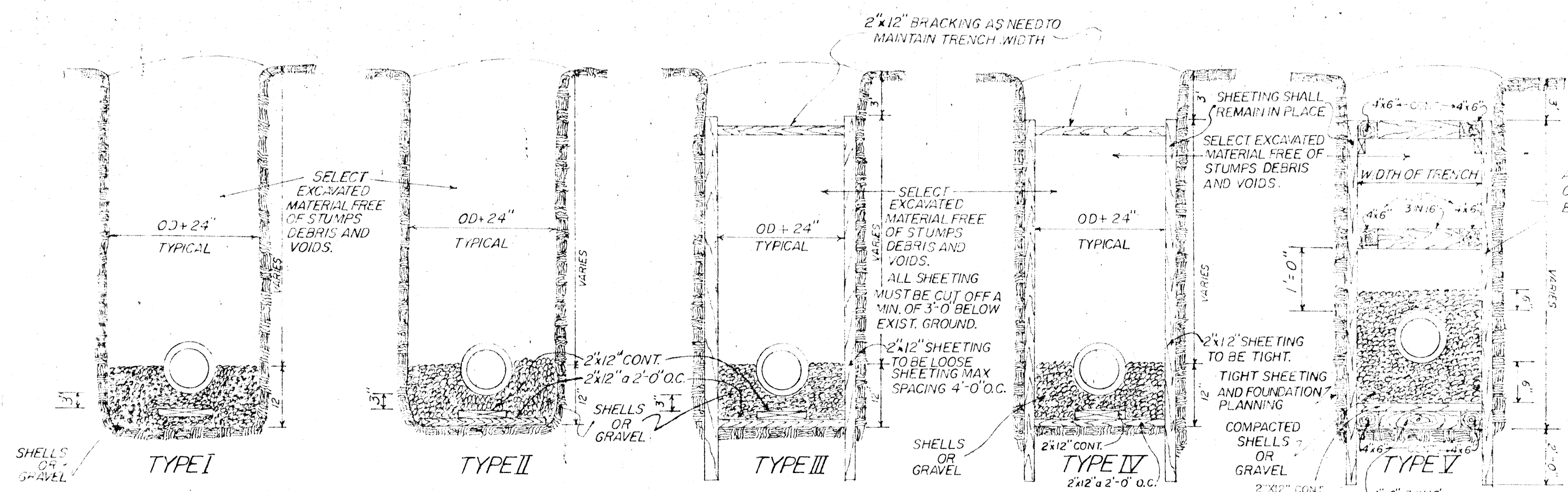


HOUSE CONNECTION UNDER DEEP DRAIN

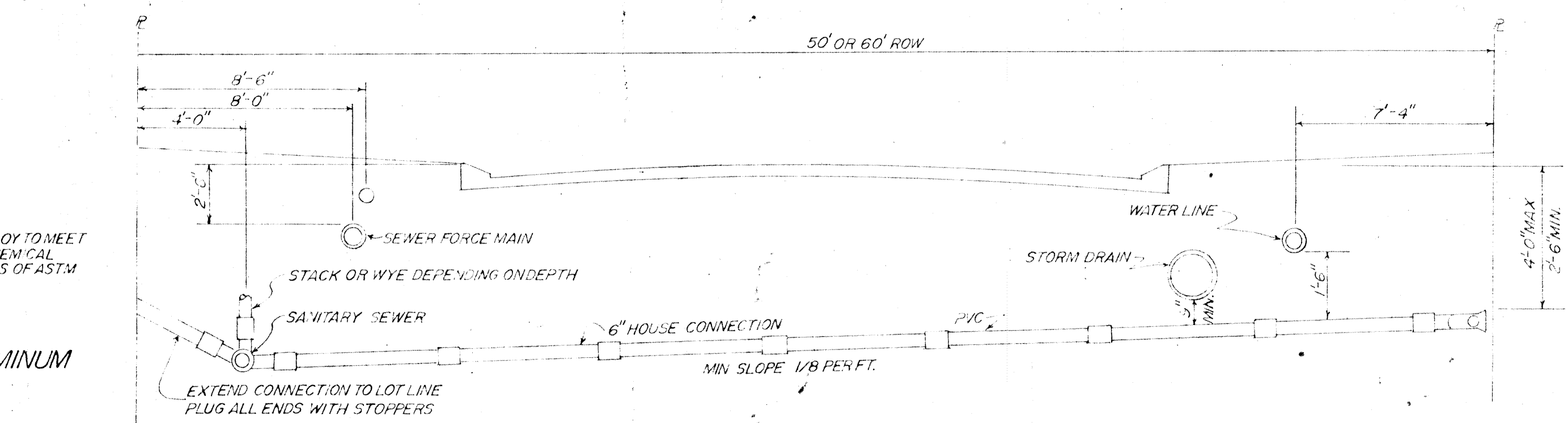


HOUSE CONNECTION OVER DRAIN

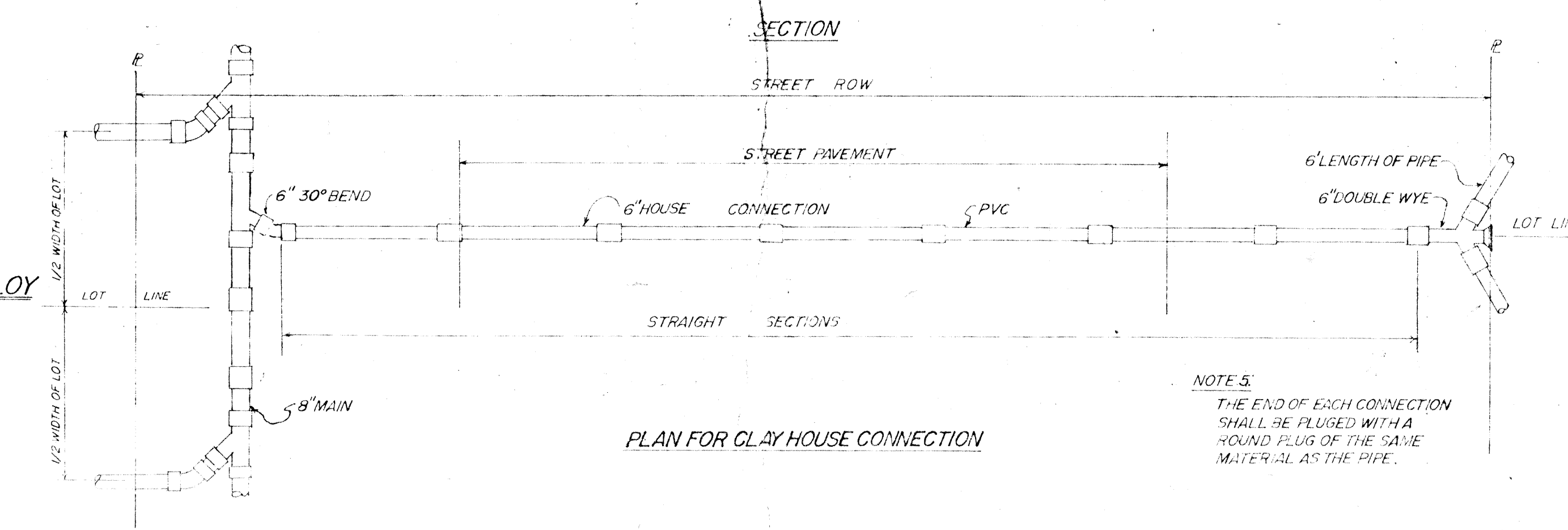
* ENGINEER MAY GIVE SPECIAL CONSIDERATION TO
AVOID SIPHON.



SANITARY SEWER PIPE FOUNDATIONS



PLAN FOR CLAY HOUSE CONNECTION



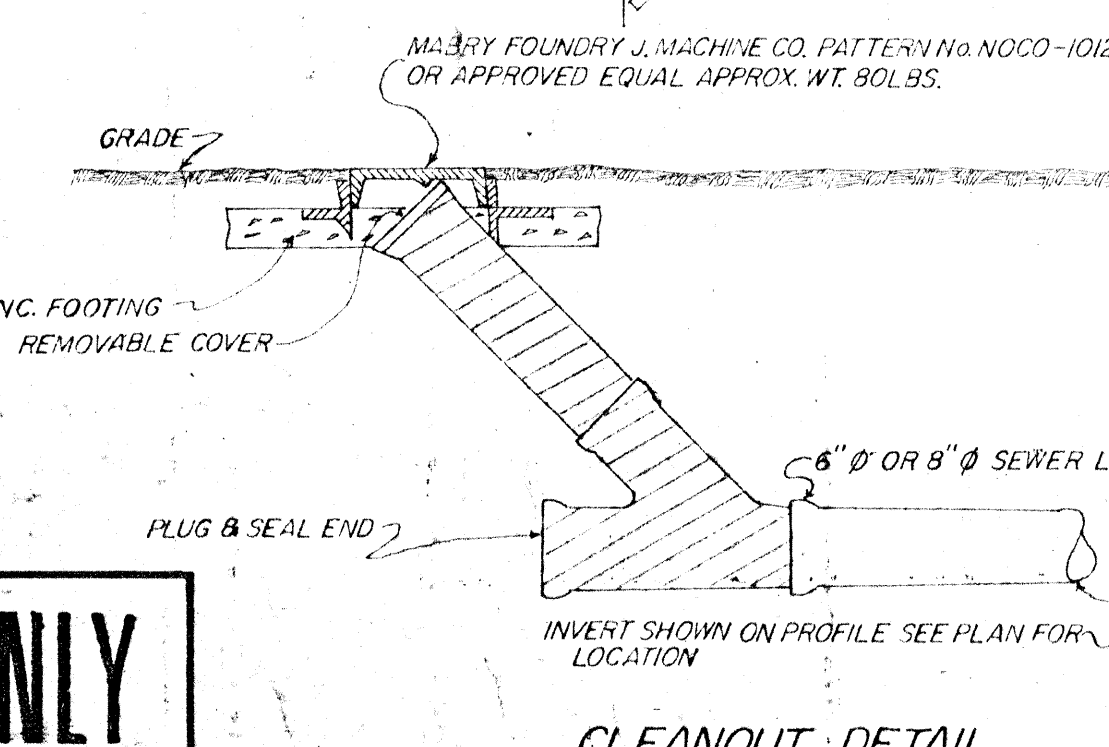
NOTE 4:
WHEN PLASTIC TRUSS PIPE IS APPROVED AS
AN ALTERNATE TO CLAY, A SINGLE HOUSE
CONNECTION WILL BE REQD. FOR EACH LOT
THAT IS ON THE SIDE OF THE ROW WITH THE
MAIN SEWER.

PLAN FOR PLASTIC ABS/FVC HOUSE CONNECTION

TYPICAL SEWER HOUSE CONNECTION
REQUIREMENTS AND UTILITY LOCATIONS

PIPE FOR HOUSE CONNECTION SHALL CONFORM TO SAME
MATERIAL TYPE USED IN MAIN LINE.

CLAY HOUSE CONNECTION WILL BE PERMITTED ONLY
WHEN MAIN LINE IS SPECIFIED AND BUILD WITH CLAY
PIPE B'S PREMOULDED JOINTS NOT ACCEPTABLE.



CLEANOUT DETAIL

SEWERAGE BEDDING TYPE VS DEPTH (FEET)

SOIL TYPE	0-4	4-6	6-9	8-10
17	I	II	III	V
6	I	II	III	V
16	II	III	IV	V
14	II	III	IV	V
13	II	III	IV	V
7	II	III	IV	V
5	II	III	IV	V
10	II	III	IV	V
18	II	III	IV	V
1	II	III	IV	V
11	II	III	IV	V
2	II	III	IV	V
9	II	III	IV	V

BACKFILL WITH SELECT EXCAVATED MATERIAL FREE OF STUMPS, DEBRIS AND VOIDS.

NOTE: BEDDING MATERIALS FOR HOUSE CONNECTIONS TO BE IN CONFORMANCE WITH THE FOLLOWING SCHEDULE.

TYPE OF MAIN SEWER BEDDING	TYPE OF REQUIRED HOUSE CONNECTION BEDDING
V	IV
IV	III
III	II
II	I
I	SHELLS ONLY

DEPARTMENT OF PUBLIC UTILITIES

600 HELOIS METAIRIE, LA.

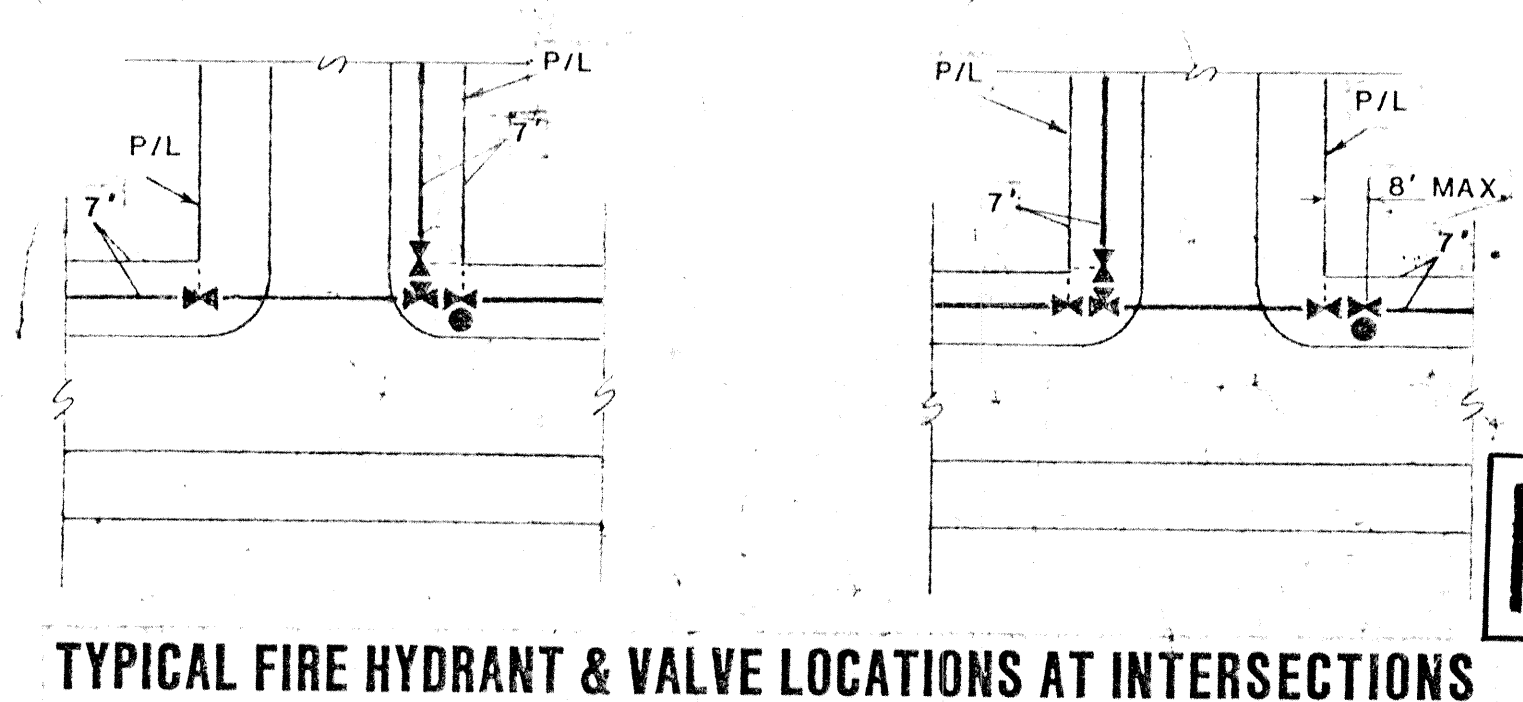
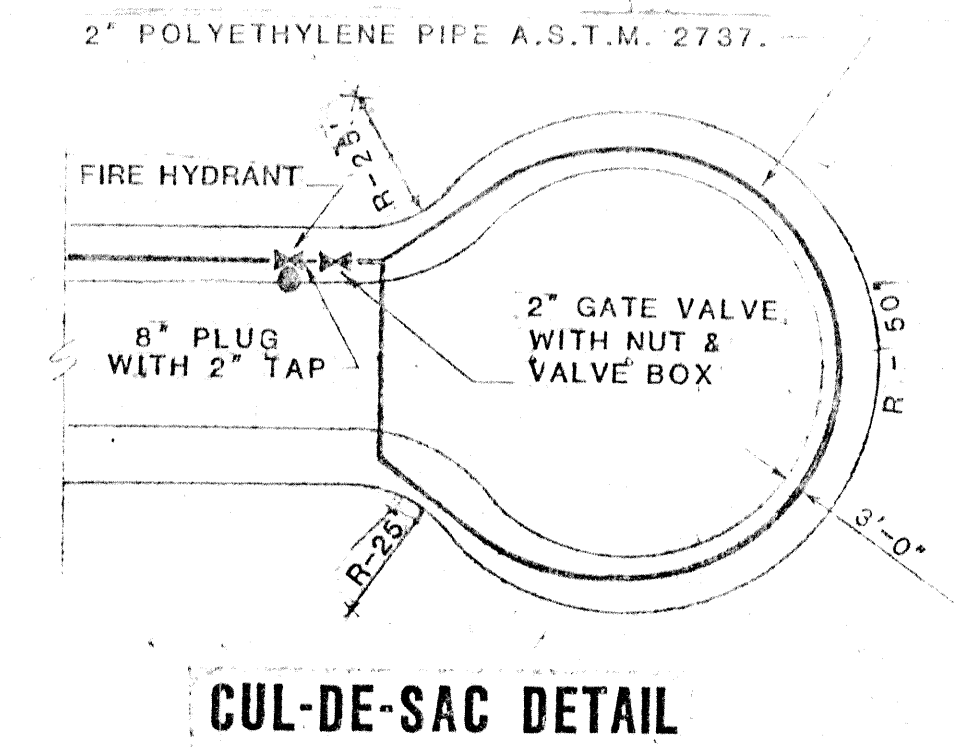
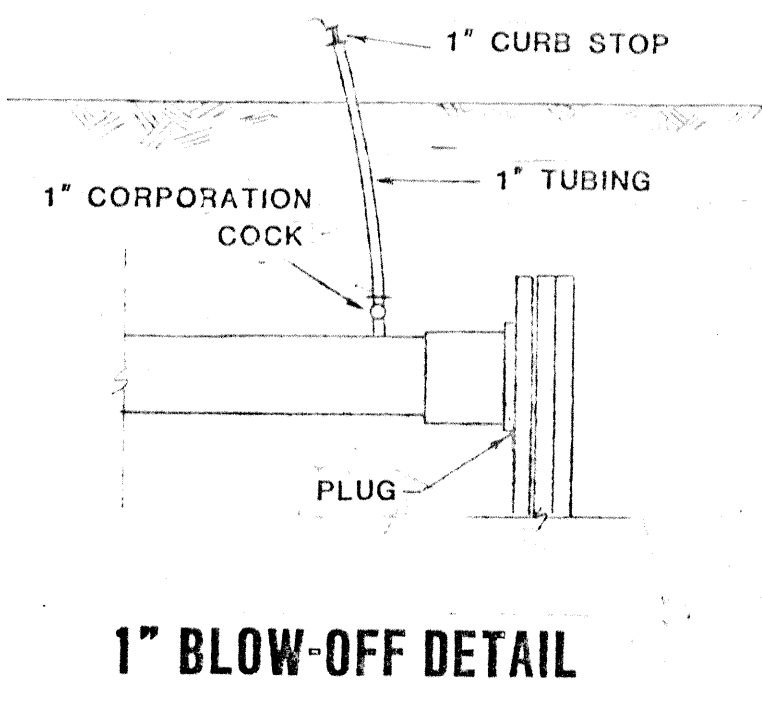
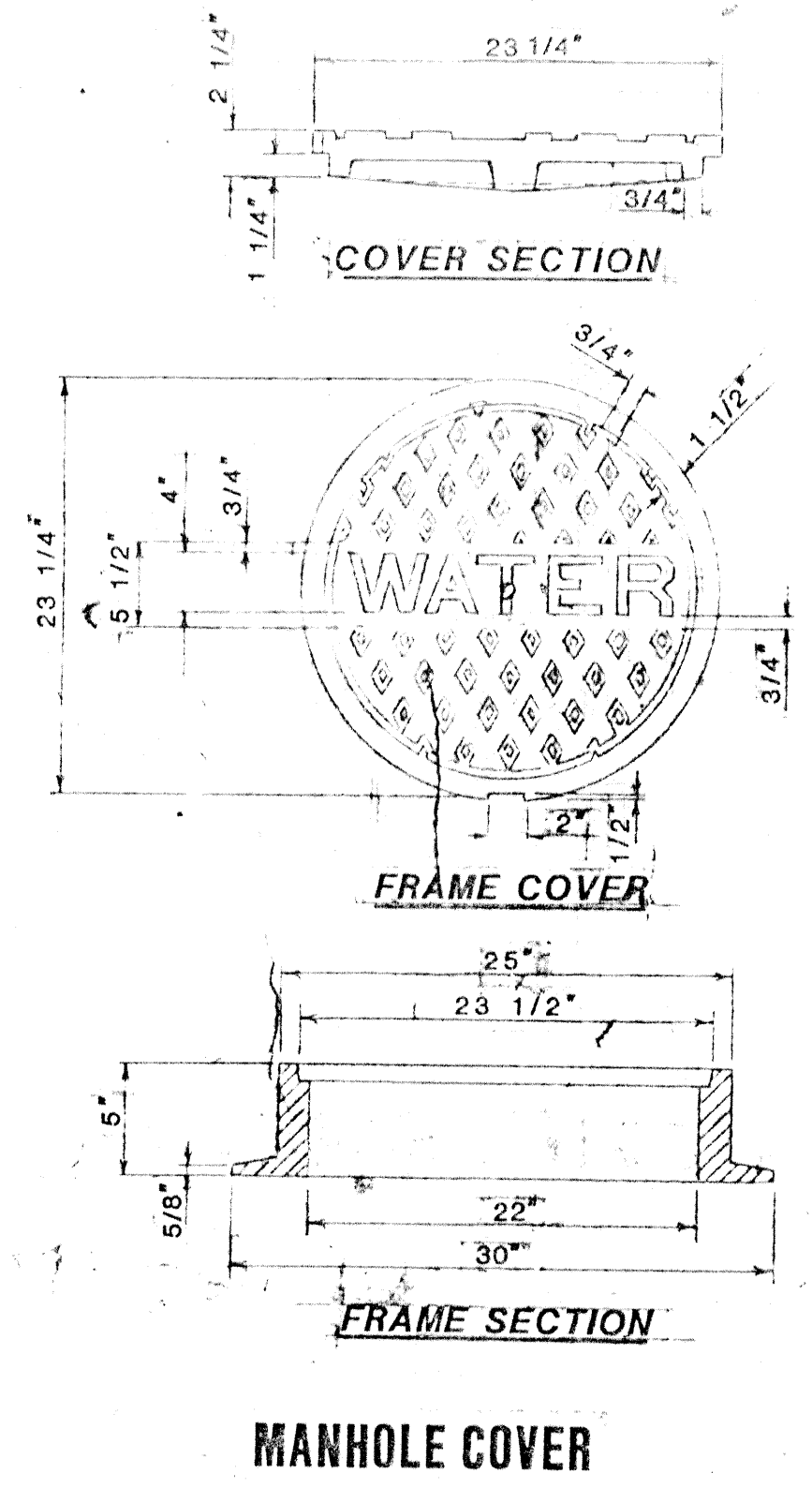
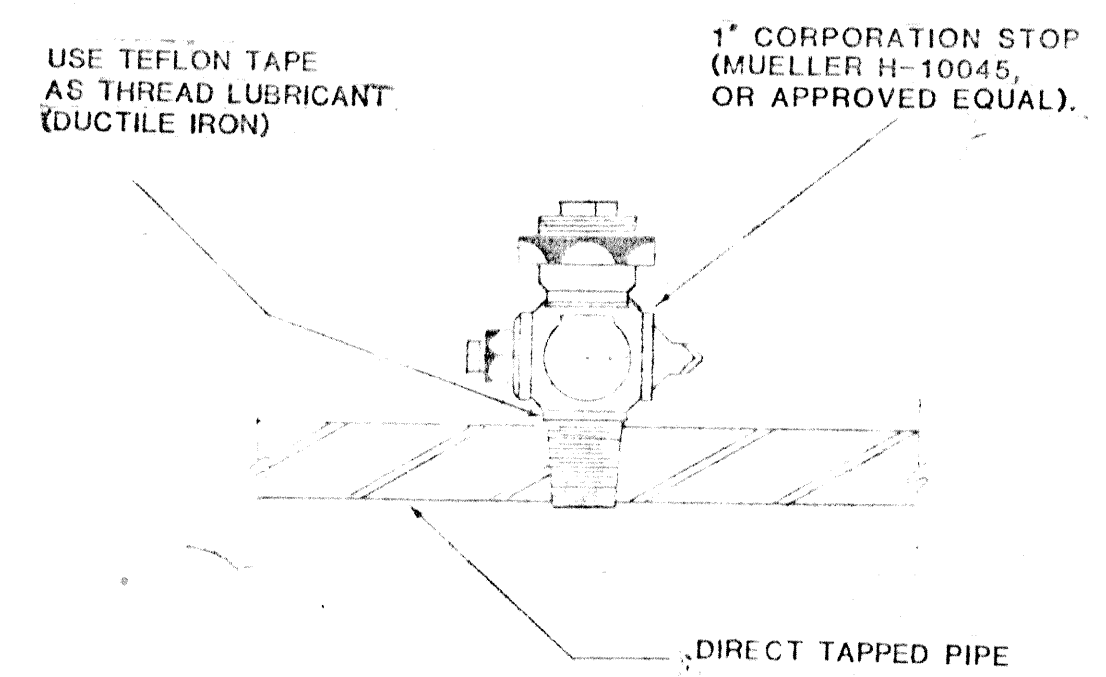
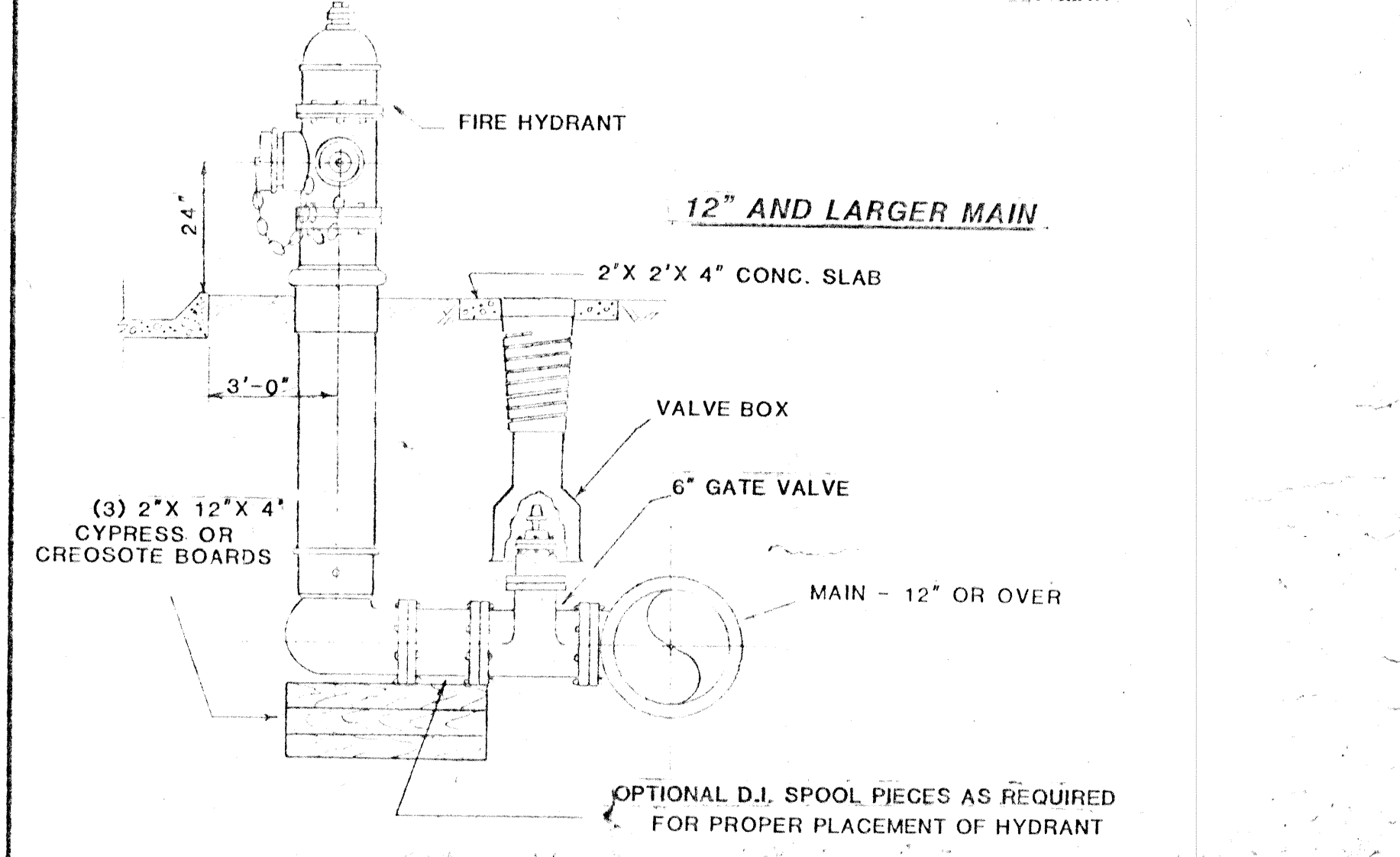
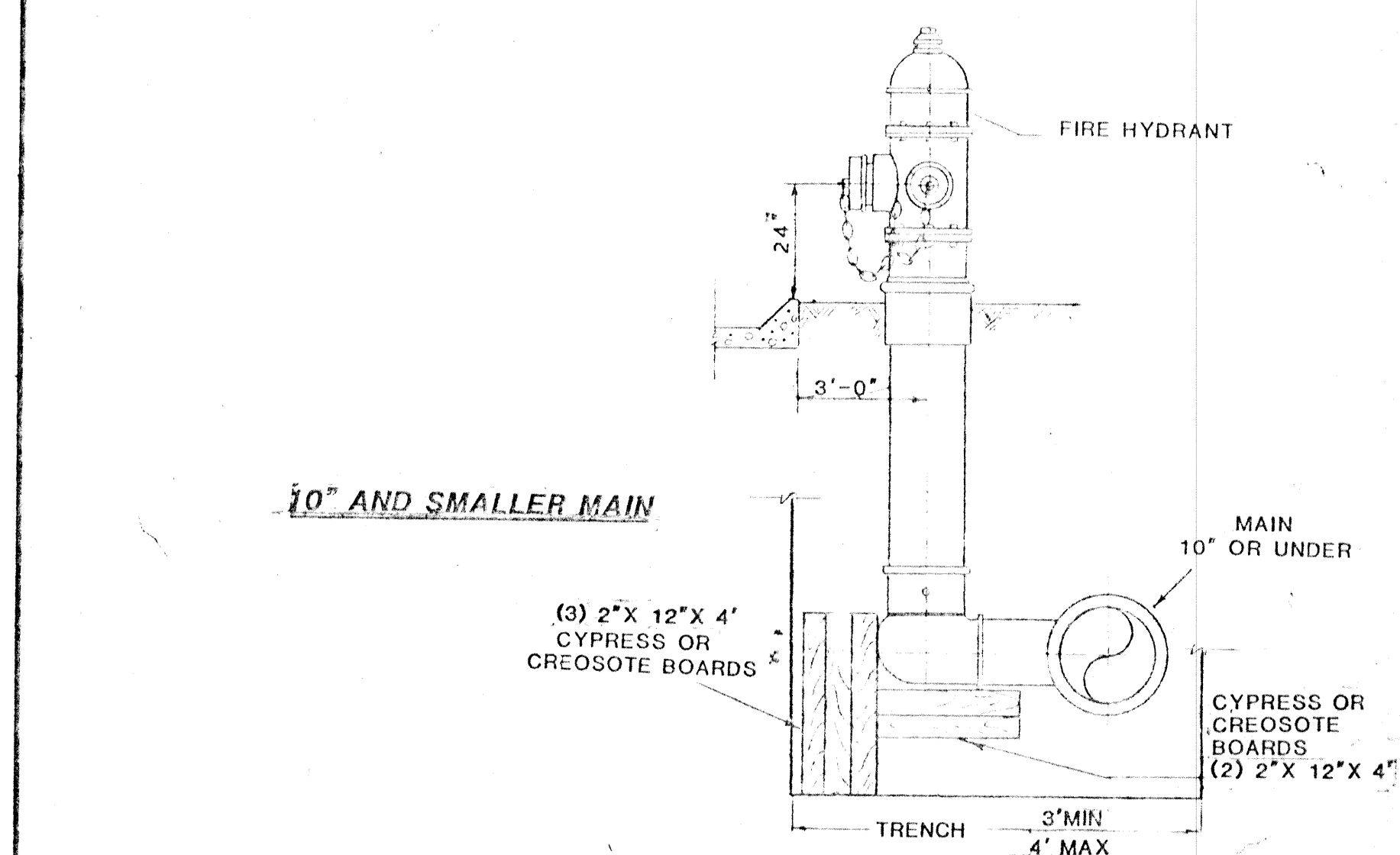
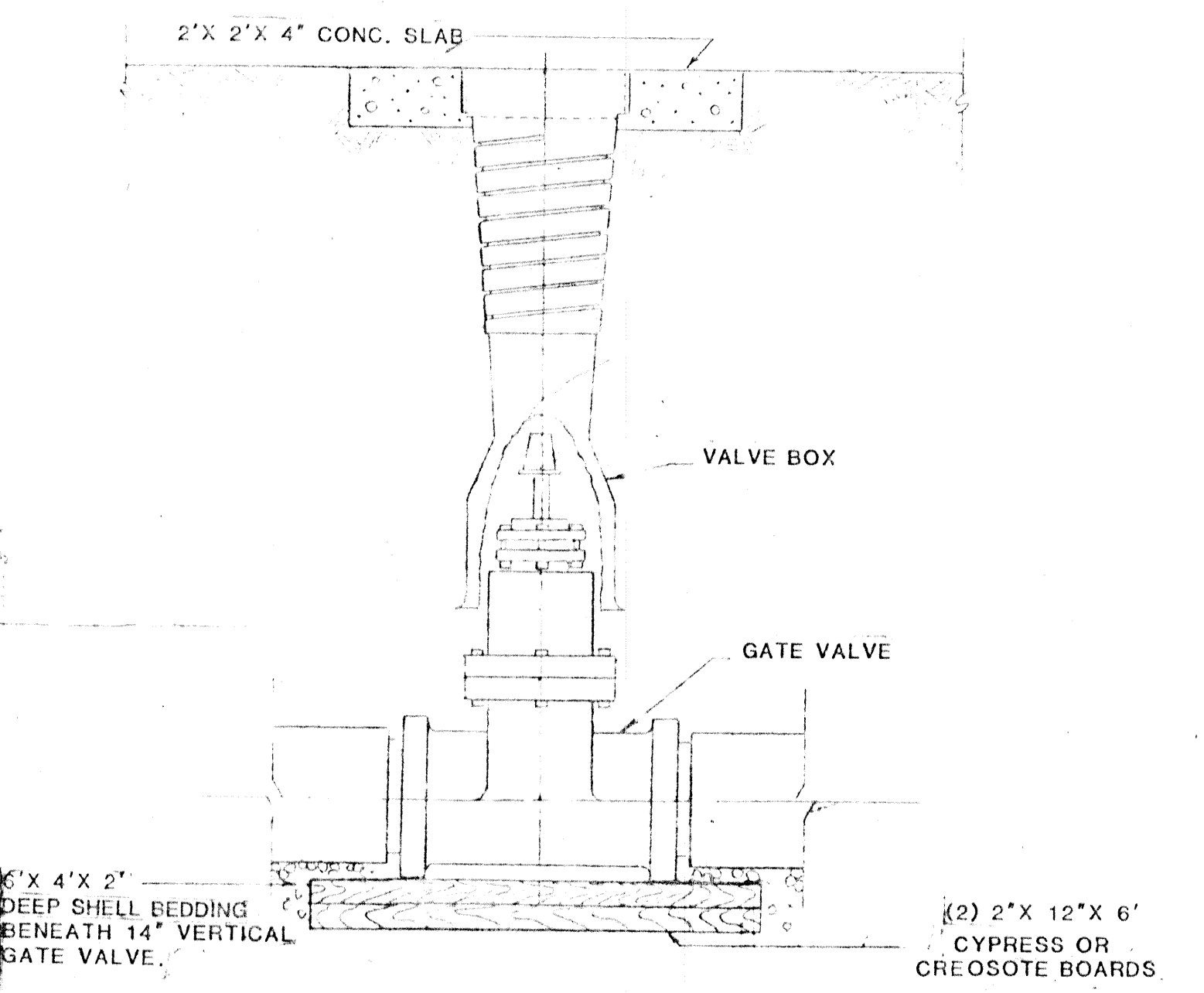
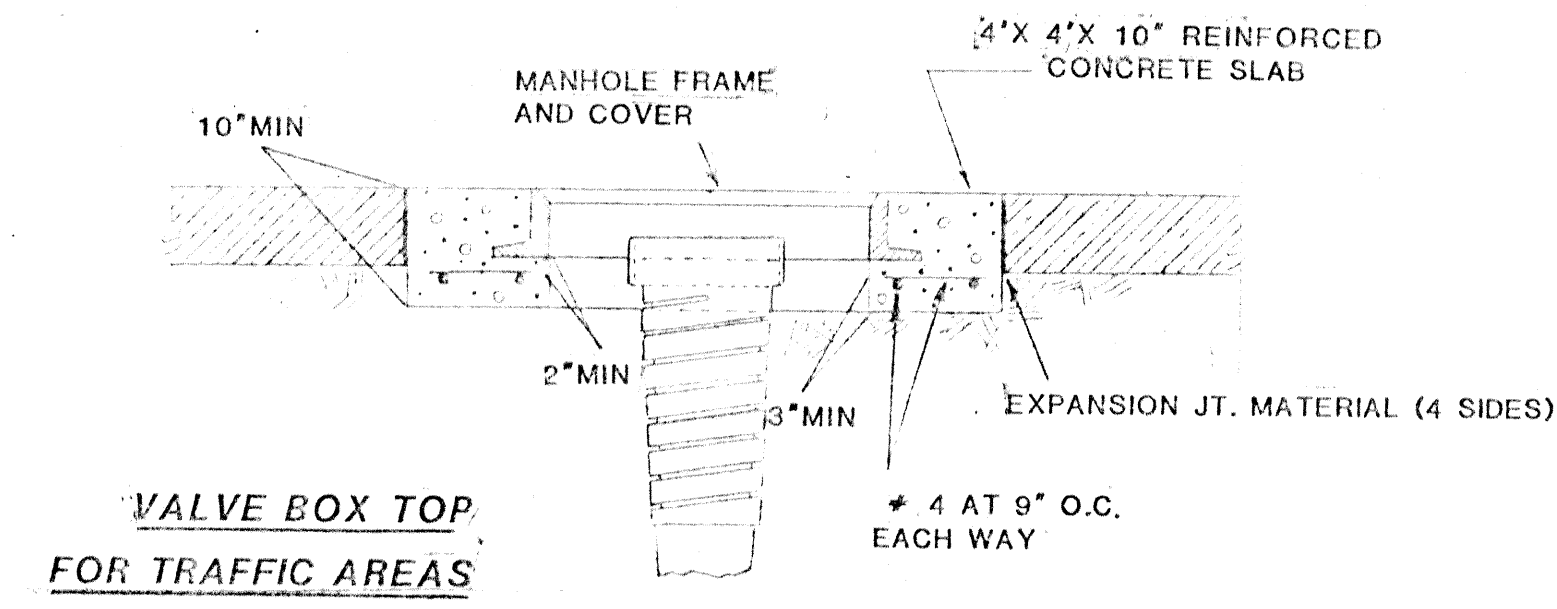
SCALE: NONE PETER J. RUSSO, DIRECTOR DRAWN BY P.J.R. CHECKED BY

DATE STANDARD DETAIL

FOR INFORMATION ONLY

GENERAL NOTES

- Use necessary fittings to avoid conflict with sewerage, drainage and other utilities.
- Backfill all street crossings with river sand.
- Water lines shall have a minimum cover of 3'-0" and a minimum diameter of 8".
- The Contractor will be required to furnish an "AS-BUILT" water plan to the Engineer and to the Department of Public Utilities, Engineering Division, prior to testing and chlorination of the water line.
- Water lines crossing existing streets shall have steel casings if required by the Department of Public Utilities.
- Water lines crossing under major throughfare shall have steel casings.
- Asbestos cement pipe shall be in accordance with A.W.W.A specifications C-400, Class 150. (A.C. pipes will not be allowed on new projects after March 1, 1986.)
- Poly-vinyl chloride (PVC) pipe shall be in accordance with A.W.W.A. specifications C-900, Class 150 (DR18).
- All 1" & 2" pipe shall be polyethylene pipe, A.S.T.M. D-2737, conforming to Jefferson Parish Department of Public Utilities specifications. Use appropriate brass fitting for connections.
- All vertical and horizontal adjustments less than 2'-0" are to be accomplished with the use of vinyl coated cast iron/ductile iron bends or offsets; and adjustments greater than 2'-0" are to be accomplished with vinyl coated restrained joints and fittings.
- Use bends where deemed necessary or as directed by Parish/Engineer. When field cutting existing pipes there shall be a minimum of 1'-6" of straight pipe preceding valves, fittings, etc.
- All hydrants, fittings and valves shall be vinyl coated with compatible primer made by Glidden Marine and Industrial Maintenance Coatings or equal. Before installation of materials that are vinyl coated, a certification of the primer, vinyl coating, thickness and application shall be submitted to the Dept. of Public Utilities. (Certification may be obtained from Glidden Marine & Industrial Maintenance).
- East bank hydrants shall be Muller, valve opening 5 1/2" (A-423), 1-1/8" operating nut, open clockwise; thread standard of N.C. Sewerage and Water Board.
- Westbank hydrants shall be Mueller, valve opening 5 1/2" (A-423).
- Eastbank valves shall be Clow F-5186 Ringtite, F-5062 Hub-end, F-5080 Slip Joint for P.V.C., or Mueller Hub-end No. A-2380-05, Ring-tite No. A-2380-24, Slip Joint No. 2380-38 for P.V.C.
- Westbank valves shall be Mueller, Mueller Hub-end No. A-2380-05, Ring-tite No. A-2380-24, Slip Joint No. A-2380-38 for PVC pipe.
- Fittings shall be cast iron/ductile iron slip joint, caulked, flanged or mechanical joint meeting A.N.S.I./A.W.W.A. C110/A21.10 and A.N.S.I./A.W.W.A. C111/A21.11, Class 250 or A.N.S.I./A.W.W.A. C-153/A21.53-84, Class 350 Compact Standards.
- Tapping sleeves for ductile iron pipe shall be Mueller No. H-610; for asbestos cement pipe, No. H-611. Stainless steel tapping sleeves for PVC, AC, DI pipe shall be in accordance with ASTM A536.71, ANSI E16.1 flange; and 18-8 type 304 stainless steel body. Tapping sleeve for prestressed concrete pipe shall be in accordance with AWWA (M-9).
- Tapping valve shall be Mueller No. H-662 caulked, H-642 Ring-tite or H-681 Slip joint for PVC pipe. Clow tapping valves F-5192 ring-tite, F-5211 slip joint for PVC pipe, may be used on E.B. only.
- All bolts & nuts shall be silicone bronze or stainless steel.
- All plugs, tees, crosses and bends shall be restrained with socket clamps, rods, or restrained fittings and installed with adequate thrust blocks.
- The letters "WV" shall be placed in the face of the curb over each water valve with the marking device shown.
- All water lines shall be tested and chlorinated by Jefferson Parish Department of Public Utilities, Engineering Division, cost to be born by the contractor.
- Fire lines shall have a swing type check valve inside the building. Fire lines shall have means for adequate flushing at the building.
- All fire lines with fire hydrants, and all looped water lines shall be installed in accordance with Jefferson Parish specifications. All looped water lines shall be installed inside a 10' wide servitude.
- The water lines and fire lines shall be tested at 100 p.s.i.
- Fire hydrant spacing shall not be greater than 400' for residential and 350' for commercial.
- When sewer or drain lines are parallel with water lines, the clearance shall be a minimum of 6'-0"; when perpendicular, clearance shall be 1'6" with water line crossing on top.
- The Department of Public Utilities, Engineering Division has the right to approve or condemn any and all equipment or work which does not conform to specification. Any work so condemned shall be redone by the Contractor.



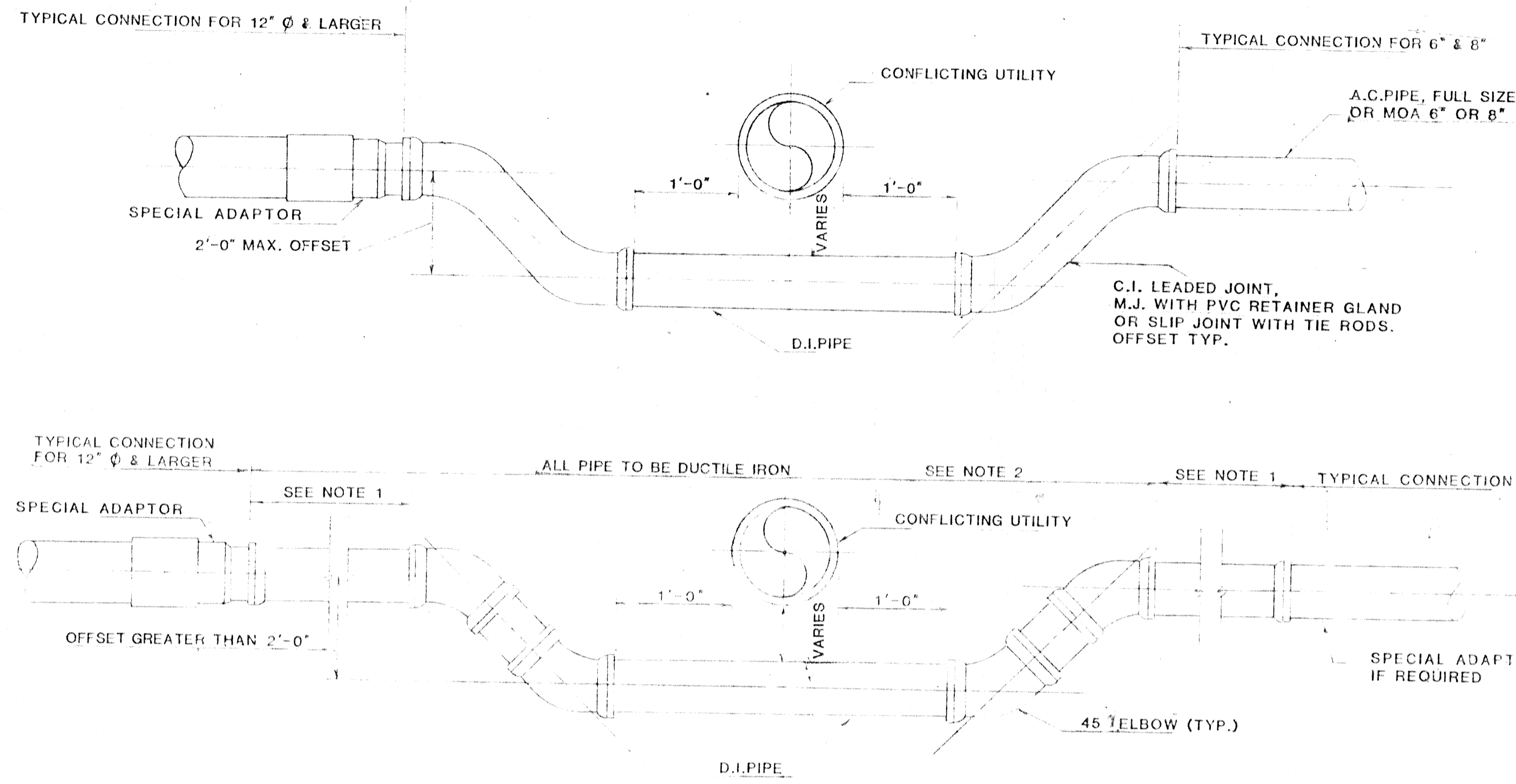
LEGEND

EXISTING	PROPOSED	DESCRIPTION
		HUB END FIRE HYD. WITH RING-TITE, RING-TITE, SPIGOT TEE.
		FLANGE FIRE HYD. WITH RING-TITE, RING-TITE BY FLANGE TEE, AND FLANGE VALVE.
		RING-TITE GATE VALVE.
		RING-TITE, RING-TITE CROSS WITH RING-TITE PLUG.
		RING-TITE, RING-TITE TEE WITH RING-TITE PLUG.
		TAPPING SLEEVE AND VALVE
		RING-TITE REDUCER.
		RING-TITE BEND.

FOR INFORMATION ONLY

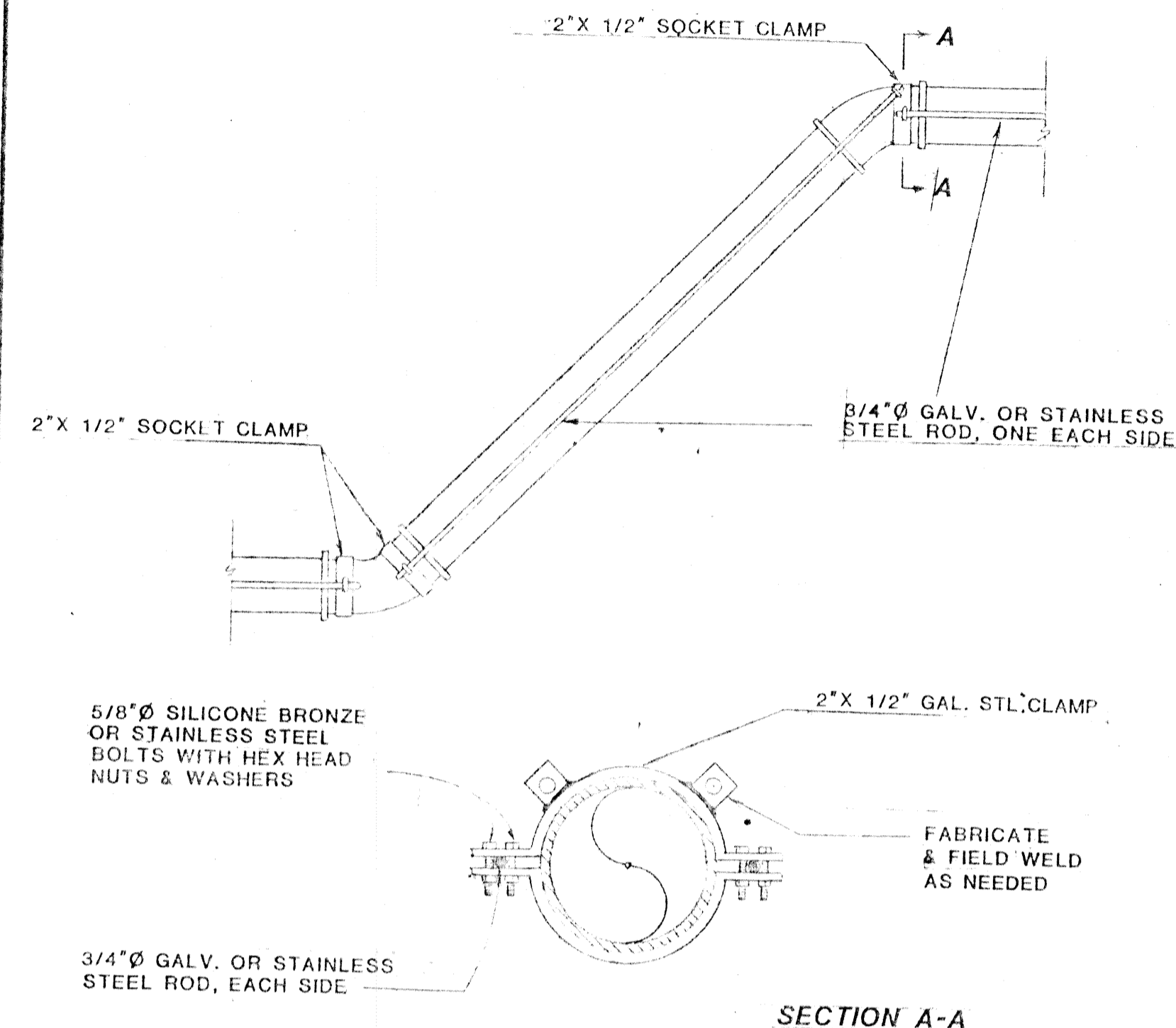
WATER STANDARD DETAILS

DRAWN BY: O.W.	DEPARTMENT OF PUBLIC UTILITIES
CHECKED BY: F.A.Y.	ENGINEERING DIVISION
APPROVED BY: M.A.P.	600 HELOIS ST. METAIRIE, LA.
REVISED: MAR. 1986	DATE: JAN. 86 PROJECT
REVISED: 4-14-88	SCALE: NONE
SCALE: NONE	SHEET 1-2 OF



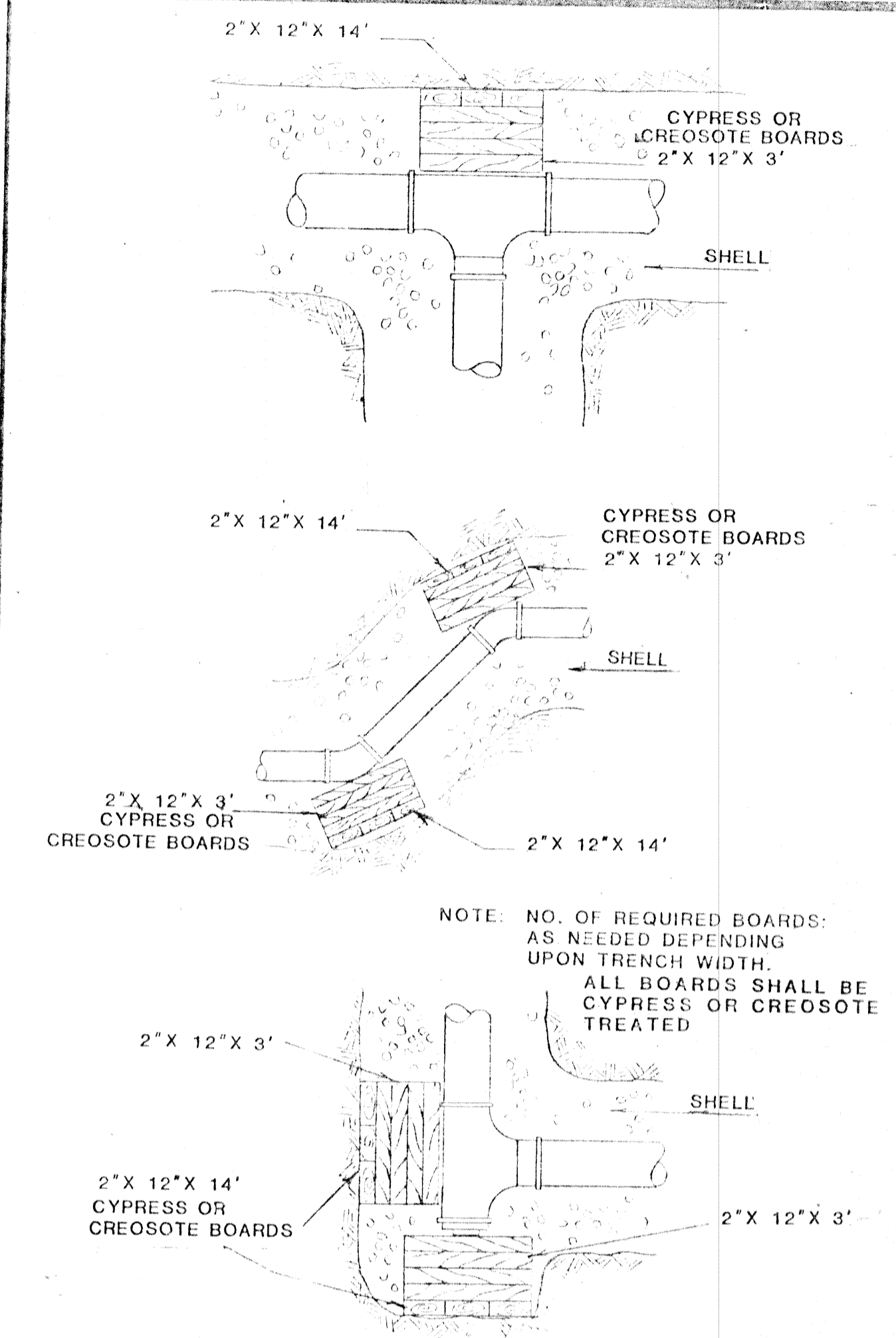
- NOTES:
1. 18'-0" FOR PIPES 6" & SMALLER; 36'-0" FOR PIPES 12" & LARGER.
 2. FOR OFFSETS LESS THAN 2'-0", FITTINGS SHALL BE DUCTILE IRON PIPE & CAST IRON FITTINGS WITH LEADED JOINTS. FOR OFFSETS GREATER THAN 2'-0", PIPE & FITTINGS SHALL BE DUCTILE IRON WITH RESTRAINED JOINTS.

TYPICAL OFFSETS



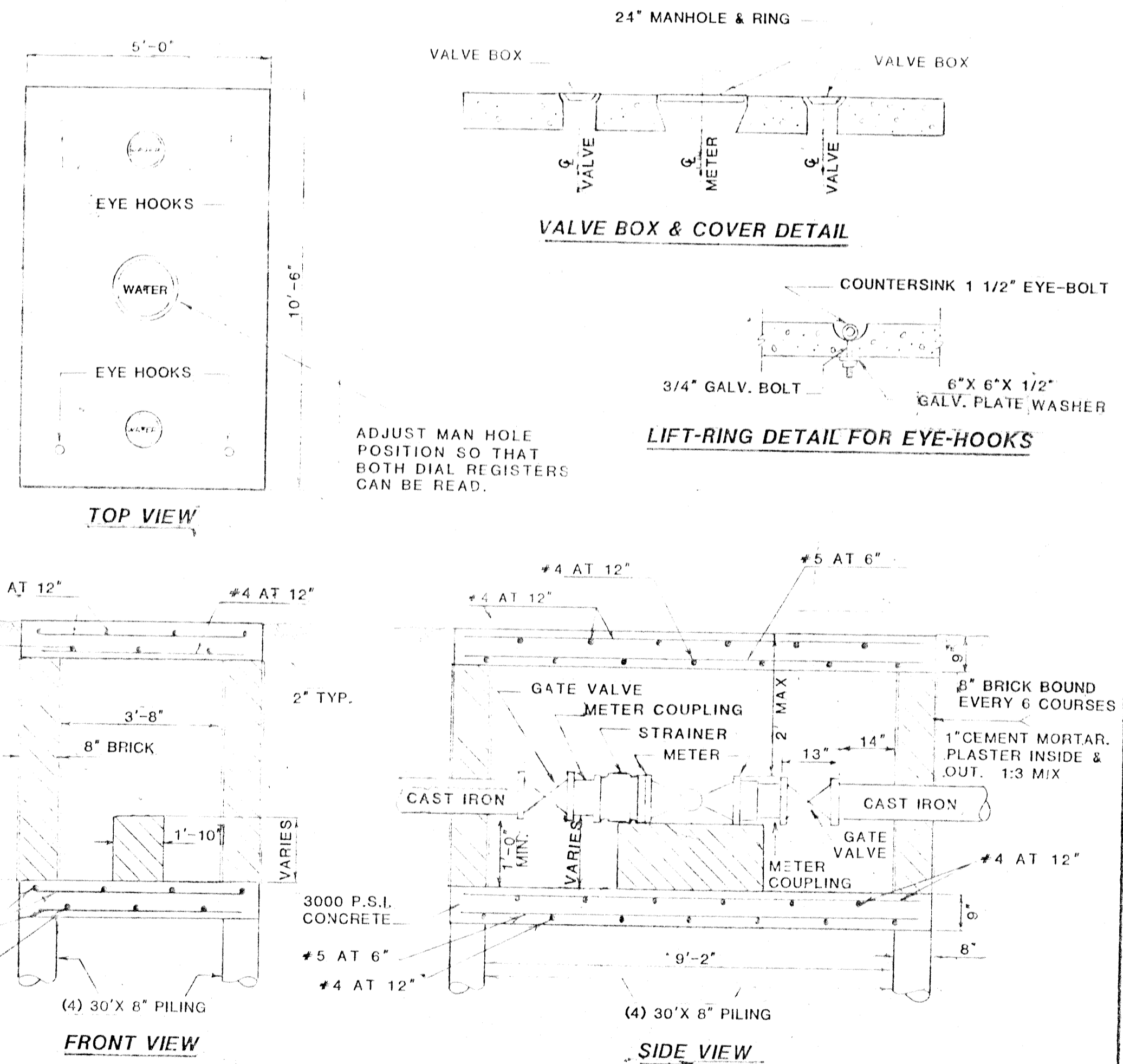
NOTE: GALVANIZED RODS SHALL BE PRIMED AND WRAPPED WITH 20 MIL ADHESIVE TAPE, HALF LAPPED TO 40 MIL THICKNESS. PRIMER AS RECOMMENDED BY TAPE MANUFACTURER.

TIE-ROD DETAILS

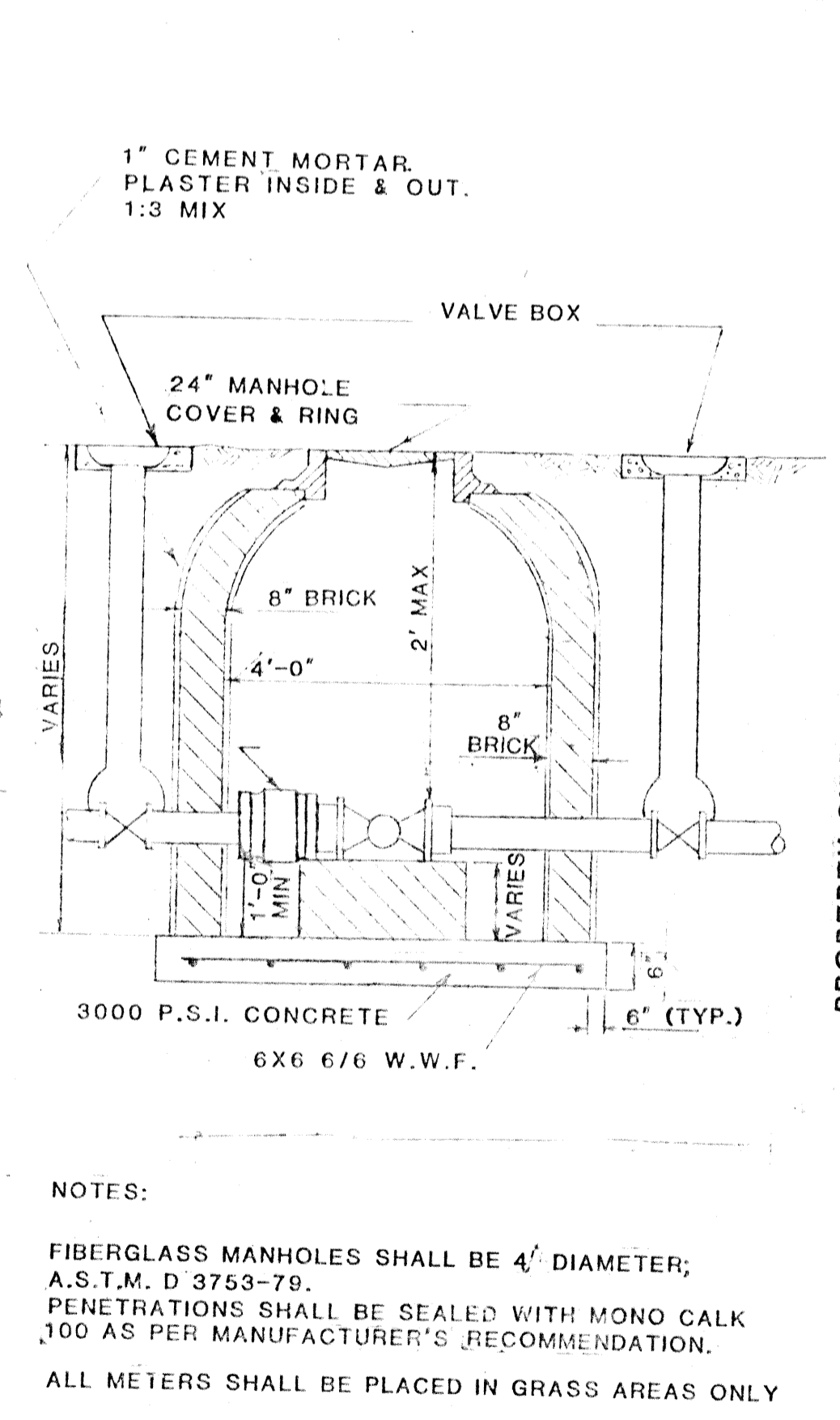


NOTE: NO. OF REQUIRED BOARDS: AS NEEDED DEPENDING UPON TRENCH WIDTH. ALL BOARDS SHALL BE CYPRESS OR CREOSOTE TREATED

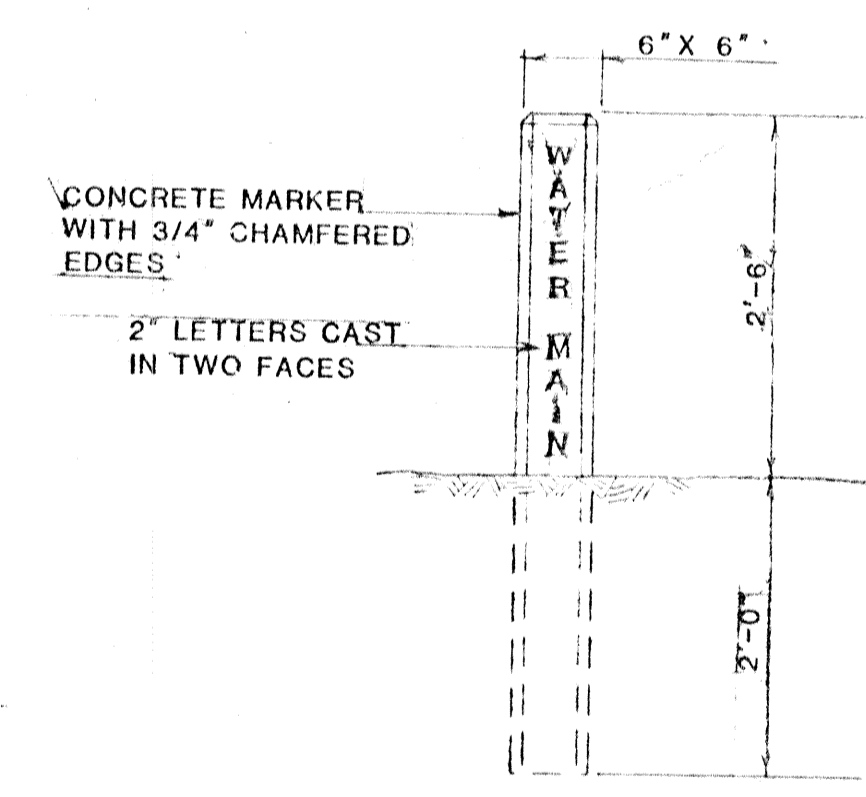
THRUST BLOCKING DETAILS



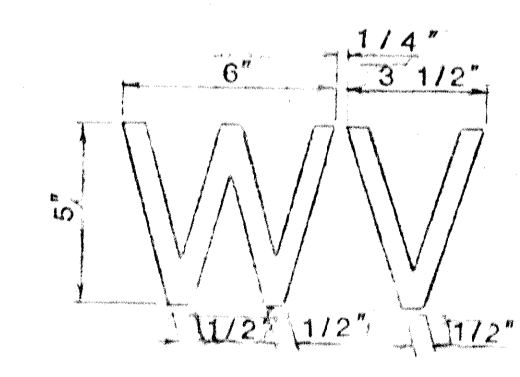
BOX FOR 6" AND LARGER METERS



WATER METER IN MANHOLE



MARKER FOR WATER MAINS 14" & ABOVE



TO BE PLACED IN FACE OF CURB AT EVERY VALVE.

VALVE MARKER

FOR INFORMATION ONLY

METER NOTES

For all meters, application shall be made to the Department of Public Utilities, Engineering Division, prior to installation.

METERS 2" & BELOW

All water meters 2" and below shall be installed by Jefferson Parish Department of Public Utilities.

METERS 3" & ABOVE

1. Expose main to determine depth of box. Meter Box top elevation is to be determined by the Department of Public Utilities.
2. Meters 3" and above shall be furnished with a by-pass if requested by the Department of Public Utilities. Meters 3" and above shall be furnished with a strainer.
3. Call the Department of Public Utilities for inspection of the meter installation.
4. Material to be used in construction of meter box may be common brick, concrete block or a solid poured concrete reinforced wall.
5. Material to be used in construction of meter box cover shall be one (1) cast iron 24" manhole cover & ring with machined ring seats & cover with word "WATER" cast in top, (Vulcan #VM-6 or equal) installed over center-line of meter; two style Series 6860 or equal cast iron roadway valve box top & lid complete with word "WATER" cast on top installed over the center-line of gate valves.

WATER STANDARD DETAILS	
DRAWN BY: D.W.	DEPARTMENT OF PUBLIC UTILITIES ENGINEERING DIVISION
CHECKED BY: F.A.Y.	600 HELOIS ST. METAIRIE, LA.
APPROVED BY: M.A.P.	DATE JAN. '86 PROJECT
REVISED: MAR. 1986	SCALE NONE
REVISED: / / 87	SHEET 1-3 OF