

Safety is a Part
of Your Contract

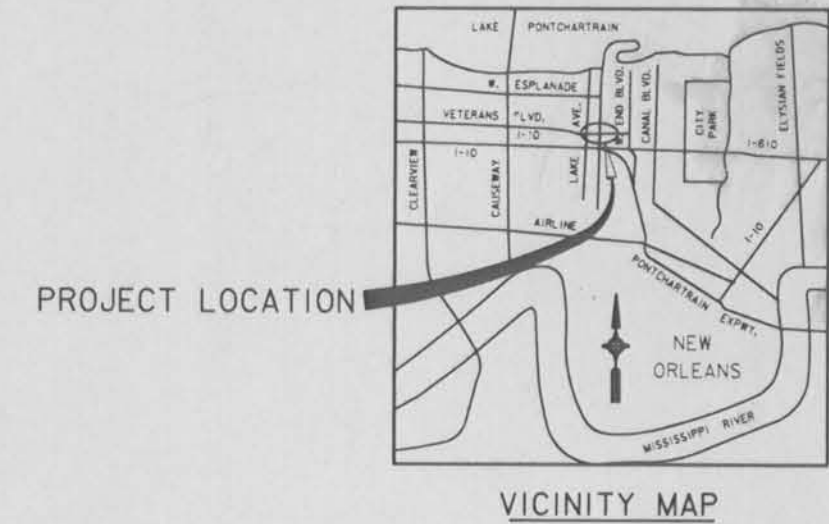
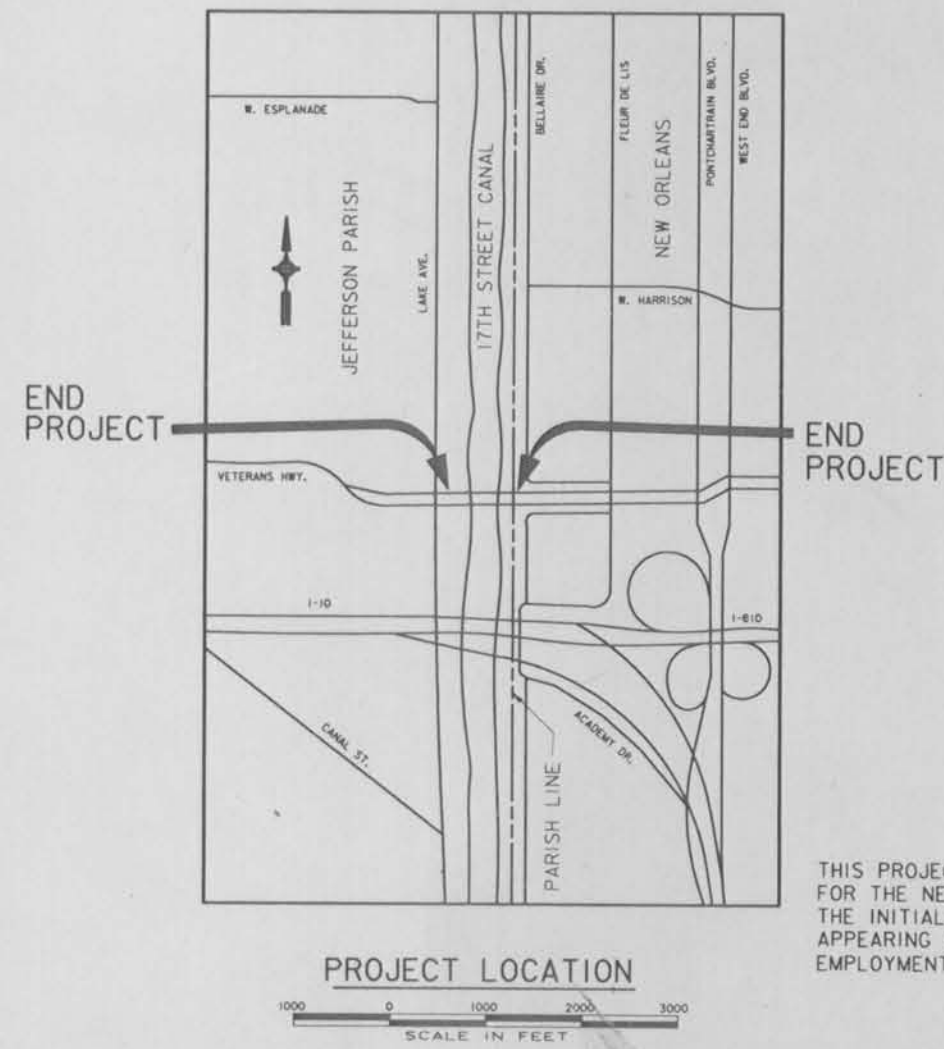
AS-BUILTS

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

AS-BUILTS

FLOODPROOFING VETERANS BOULEVARD BRIDGES

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NOTE:
DRAWINGS IN THIS FOLIO
HAVE BEEN REDUCED ONE
HALF THE ORIGINAL SCALE

THIS PROJECT WAS DESIGNED BY THE FIRM OF MODJESKI AND MASTERS, INC. FOR THE NEW ORLEANS DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEARING ON THESE PROJECT DOCUMENTS ARE WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8125.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS, INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES TITLE SHEET			
DESIGNED BY: J.A.H.	APPROVED BY: [Signature]	CADD FILE: MM64.DGN	
DRAWN BY: P.V.R.	CHECKED BY: N.M.	PLOT DATE: JUNE 95	PLOT SCALE: 1" = 100'
DATE: JUNE 95			SOLICITATION NO. DACW29-
SUBMITTED BY: W.B. CONWAY	APPROVED BY: [Signature]		FILE NO. H-4-40359
APPROVED BY: W.B. CONWAY			DRG. 1 OF 79



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GENERAL NOTES

DESIGN SPECIFICATIONS

BRIDGES: THE 1992 STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) FIFTEENTH EDITION AS AMENDED BY THE CURRENT AASHTO INTERIM SPECIFICATIONS FOR BRIDGES.

FLOOD PROTECTION: U.S. ARMY CORPS OF ENGINEERS, EM 1110-2-2104 DATED APRIL 30, 1992.

CONSTRUCTION SPECIFICATION

U.S. ARMY CORPS OF ENGINEERS GUIDE SPECIFICATIONS AND THE PROJECT TECHNICAL SPECIFICATIONS.

DESIGN SPEED

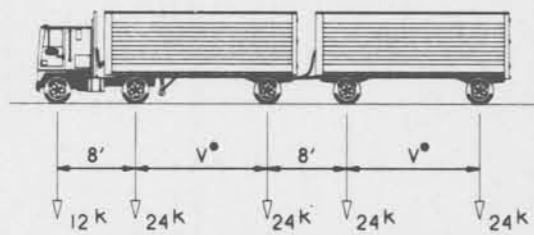
VETERANS BOULEVARD - 45 MPH

DESIGN LOADS

DEAD LOADS - ESTIMATED WEIGHT OF COMPLETED STRUCTURE INCLUDING AN ALLOWANCE OF 12 PSF FOR FUTURE WEARING SURFACE.

LIVE LOADS - HS20-44 OR HST-18 LOADING AS SHOWN ON THIS SHEET.

ALL OTHER LOADS SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.



LADOTD HST-18 TRUCK

*V = VARIABLE 14-30FT

DESIGN CANAL WATER ELEVATION

HIGH LEVEL PLAN
STILL WATER LEVEL - EL. 12.5 N.G.V.D.
(100% OF DESIGN FORCES USED.)
WAVE ACTION - EL. 14.5 N.G.V.D.
(75% OF DESIGN FORCES USED.)

ELEVATIONS

ALL ELEVATIONS ARE IN FEET AND REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.). ELEVATION BENCH MARK IS TBM T-193, EL. 9.741 (1972 EPOCH), LOCATED ON THE NORTH SIDE OF THE SOUTHEAST BRIDGE ABUTMENT.

DESIGN CRITERIA

ALL STRUCTURAL MEMBERS ARE DESIGNED BY LOAD FACTOR METHOD UNLESS OTHERWISE NOTED. PRESTRESSED CONCRETE GIRDERS ARE DESIGNED PER AASHTO SPECIFICATIONS.

DIMENSIONS

DIMENSIONS AND/OR ELEVATIONS MARKED WITH (A) ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN FIELD. DIMENSIONS AND/OR ELEVATIONS MARKED WITH (N.T.S.) ARE NOT SHOWN TO SCALE. DRAWINGS ARE GENERALLY TO SCALE, BUT SHOULD NOT BE SCALED. N.T.S. IS SHOWN ONLY WHERE DRAWING IS OBVIOUSLY OUT OF SCALE.

SOILS INVESTIGATION

A SOILS INVESTIGATION WAS PERFORMED FOR THIS PROJECT. BORING LOGS ARE INCLUDED IN THESE CONTRACT DRAWINGS.

PILES

ALL PILE REQUIREMENTS INCLUDING SIZE, TYPE AND MAXIMUM DESIGN LOAD, AND TEST PILE REQUIREMENTS AS TO LOCATION AND TEST LOADING SHALL BE AS DESCRIBED ON THE PLANS OR IN THE SPECIFICATIONS. LENGTH OF PILES PROVIDED ARE FOR ESTIMATING PURPOSES ONLY.

STRUCTURAL METALWORK

ANCHOR BOLTS SHALL BE ASTM A-307 RODS. TIE RODS SHALL BE DRYWIDAG OR APPROVED EQUAL THREADED PRESTRESSING ROD. STEEL FOR FLOODGATES SHALL CONFORM TO ASTM A36. FABRICATION SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.

PRECAST PRESTRESSED CONCRETE GIRDER SPANS

CONCRETE FOR PRECAST PRESTRESSED CONCRETE GIRDERS SHALL BE CLASS "P" AS DEFINED IN THE PROJECT SPECIFICATIONS.

ALL GIRDERS SHALL BE ARTIFICIALLY ROUGHED IN A TRANSVERSE DIRECTION ON THE TOP SURFACE. FABRICATION TOLERANCES FOR GIRDERS ARE GIVEN IN THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT PROPOSED METHOD AND SCHEDULE OF RELEASE OF STRANDS TO THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO GIRDER FABRICATION.

PRECAST PRESTRESSED CONCRETE GIRDERS SHALL BE AT LEAST SIX MONTHS OLD BEFORE BEING PLACED INTO THE BRIDGE SUPERSTRUCTURE.

ROADWAY SLAB THICKNESS SHALL BE VARIED AS REQUIRED TO PROVIDE THE PROPER FINISHED ROADWAY ELEVATION.

STRUCTURAL CONCRETE

ALL SUPERSTRUCTURE CONCRETE TO BE CLASS "AA". ALL SUBSTRUCTURE CONCRETE TO BE CLASS "A". CONCRETE CLASSES ARE DEFINED IN THE PROJECT SPECIFICATIONS.

CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" EXCEPT ALL CORNERS OF BENTS WHICH SHALL BE CHAMFERED 1-1/2" UNLESS OTHERWISE NOTED. NO DEDUCTIONS ARE TO BE MADE IN CONCRETE QUANTITIES FOR CHAMFERS 1-1/2" OR LESS.

"RV" DENOTES VERTICAL FACES, SLOPING FACES AND CHAMFERS WHICH ARE TO RECEIVE A CLASS 2 RUBBED FINISH. "RH" DENOTES HORIZONTAL SURFACES WHICH ARE TO RECEIVE A CLASS 2 RUBBED FINISH. ALL EXPOSED FACES OF BENT CAPS SHALL RECEIVE A CLASS 2 RUBBED FINISH. ALL OTHER SURFACES SHALL RECEIVE A CLASS 1 ORDINARY SURFACE FINISH. FINISH DESCRIPTIONS ARE GIVEN IN THE PROJECT SPECIFICATIONS.

CONSTRUCTION JOINTS: WHERE CONSTRUCTION JOINTS ARE USED, NOT LESS THAN SEVEN (7) DAYS SHALL ELAPSE BEFORE PLACING ADJACENT CONCRETE. CONSTRUCTION JOINTS SHALL BE CLEANED AND COATED PRIOR TO EACH SUCCEEDING POUR WITH A TYPE II EPOXY RESIN SYSTEM. EPOXY REQUIREMENTS ARE GIVEN IN THE PROJECT SPECIFICATIONS. EPOXY IS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

AFTER COMPLETING DECK SLAB PLACING, A MINIMUM OF THREE (3) DAYS SHALL ELAPSE (OR CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 1600 PSI) BEFORE SETTING OF REINFORCING STEEL AND FORMS FOR TRAFFIC BARRIER RAILING. THE SLAB SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3200 PSI BEFORE BEGINNING PLACEMENT OF TRAFFIC BARRIER RAILING.

REINFORCEMENT

ALL REINFORCING STEEL BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO ASTM 615, ASTM 616, ASTM 617.

DIMENSIONS RELATING TO REINFORCING STEEL FABRICATION ARE OUT TO OUT OF BAR UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO REINFORCING STEEL SPACING ARE CENTER TO CENTER OF BAR. THE MINIMUM COVERING FROM THE SURFACE OF THE CONCRETE TO THE FACE OF ANY DEFORMED REINFORCING BAR SHALL NOT BE LESS THAN THE FOLLOWING:

TOP OF SLAB = 2"
BOTTOM OF GIRDER = 3"

ALL OTHER REINFORCING STEEL COVER SHALL BE 3" UNLESS OTHERWISE NOTED IN THE PLANS. REINFORCING STEEL NO. 7 AND LARGER SHALL BE GRADE 60 STEEL. ALL BARS SMALLER THAN NO. 7, AT THE CONTRACTOR'S OPTION, MAY BE GRADE 40 OR GRADE 60. THE FIRST DIGIT OF THE REINFORCING BAR NUMBER INDICATES BAR SIZE.

MECHANICAL SPLICES FOR REINFORCING BARS SHALL BE APPROVED BY THE CONTRACTING OFFICER. THE EMBEDMENT AND LAP SPlice LENGTH TABLE ON THIS SHEET SHALL BE USED IN DETERMINING LAP SPLICES AND EMBEDMENT LENGTHS WHERE LENGTHS ARE NOT OTHERWISE INDICATED. SPlice LENGTHS SHALL BE BASED ON THE SMALLER BAR BEING LAPPED. THE CONTRACTOR WILL BE ALLOWED TO MAKE SPLICES IN ADDITION TO THOSE INDICATED IN THE DRAWINGS, WHERE ESSENTIAL TO CONSTRUCTIBILITY, SUBJECT TO APPROVAL BY THE CONTRACTING OFFICER. SPLICES OTHER THAN THOSE SHOWN ON THE DRAWINGS AND OTHER THAN ANY ADDITIONAL SPLICES REQUIRED BY THE CONTRACTING OFFICER, WILL BE AT THE CONTRACTOR'S EXPENSE.

REINFORCEMENT EMBEDMENT AND SPLICE TABLES

BAR SIZE	BASIC TABLE				ALTERNATE TABLE			
	MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP LENGTH INCHES		MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP LENGTH INCHES	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
3	16	12	21	16	16	12	21	16
4	21	16	28	21	21	16	28	21
5	27	21	35	27	27	21	35	27
6	32	25	42	32	32	25	42	32
7	37	29	49	37	37	29	49	37
8	45	35	59	45	43	33	56	43
9	57	44	74	57	48	37	63	48
10	72	56	94	72	58	45	75	58
11	89	68	116	89	71	55	92	71

EMBEDMENT AND SPLICE NOTES:

- USE THE BASIC TABLE IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 4 BAR DIAMETERS.
 - CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
 - EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2 BAR DIAMETERS.

- THE ALTERNATE TABLE MAY BE USED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 6 BAR DIAMETERS.
 - CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
 - EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2.5 BAR DIAMETERS.
- IF CONCRETE COVER OR EDGE DISTANCE IS LESS THAN 2 BAR DIAMETERS OR THE CENTER TO CENTER BAR SPACING LATERALLY IS LESS THAN 4 DIAMETERS, SEE ACI 318 FOR GUIDANCE.
- TOP BARS ARE HORIZONTAL BARS AND BARS INCLINED LESS THAN 45 DEGREES WITH RESPECT TO A HORIZONTAL PLANE, WHICH ARE PLACED SUCH THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
- THE TABLES SHOWN ARE FOR NORMAL WEIGHT CONCRETE AND UNCOATED REINFORCING BARS. IF LIGHTWEIGHT REINFORCING CONCRETE OR EPOXY COATED REINFORCING BARS ARE USED, SEE ACI 318 FOR ADDITIONAL CONSIDERATIONS.

ABBREVIATIONS

ACP	= ASPHALTIC CONCRETE PAVEMENT
B/L	= BASELINE
BND	= BOUND
BRG	= BEARING
C	= CENTER
CB	= CATCH BASIN
CIP	= CAST IN PLACE
CJ	= CONSTRUCTION JOINT
C/L OR CL	= CENTER LINE
Ø	= DIAMETER
C.R.S.	= CORROSION RESISTANT STEEL
EB, E'BND	= EASTBOUND
E.F.	= EACH FACE
ELEV	= ELEVATION
E.S.	= EQUALLY SPACED
F.S.	= FAR SIDE
MH	= MANHOLE
N.S.	= NEAR SIDE
P.C.	= POINT OF CURVATURE
PGL	= PROFILE GRADE LINE
PPC	= PRECAST PRESTRESSED CONCRETE
P.S.	= PROTECTED SIDE
P.T.	= POINT OF TANGENCY
PVC	= POINT OF VERTICAL CURVATURE
PVI	= POINT OF VERTICAL INTERSECTION
PVT	= POINT OF VERTICAL TANGENCY
RCP	= REINFORCED CONCRETE PIPE
R/W	= RIGHT OF WAY
STA.	= STATION
T	= TELEPHONE
TYP	= TYPICAL
W	= WATER
W,WF	= WIDE FLANGE
WB, W'BND	= WESTBOUND

THE PURPOSE OF THIS PROJECT IS TO IMPROVE THE FLOOD PROTECTION ALONG THE 17TH STREET CANAL BY FLOODPROOFING THE VETERANS MEMORIAL BLVD. BRIDGES AND TYING THEM INTO THE EXISTING FLOODWALL SYSTEM. WORK REQUIRED UNDER THIS CONTRACT INCLUDES:

- CONSTRUCTION OF TWO NEW VOIDED GIRDER BRIDGES AND APPROACH SLABS CARRYING VETERANS MEMORIAL BLVD. ACROSS THE 17TH STREET CANAL TO REPLACE TWO EXISTING BRIDGES. BRIDGES WILL BE CONSTRUCTED IN PHASES, USING THE PARTIALLY COMPLETED STRUCTURES TO CARRY DETOURED TRAFFIC ACROSS THE CANAL.
- WIDENING AND OVERLAYING OF EXISTING ROADWAY TO MEET REQUIRED HORIZONTAL AND VERTICAL GEOMETRY.
- CONSTRUCTION OF 4 CATCH BASINS AND CONNECTING TO EXISTING STORM DRAINAGE SYSTEMS.
- CONSTRUCTION OF FLOODWALLS AND GATES BETWEEN THE BRIDGE ABUTMENTS AND THE ADJACENT EXISTING FLOODWALLS. AN ADDITIONAL FLOOD GATE IS REQUIRED NEAR 1+10.
- RIPRAP REMOVAL AND DREDGING OF THE 17TH STREET CANAL UNDER THE EXISTING BRIDGES.
- LANDSCAPING AND RESTORATION OF AFFECTED AREAS FOLLOWING CONSTRUCTION.
- MAINTENANCE OF TWO LANES OF TRAFFIC ON VETERANS MEMORIAL BLVD. IN EACH DIRECTION ACROSS THE CANAL THROUGHOUT CONSTRUCTION, INCLUDING DETOUR CONSTRUCTION AND SIGNING.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, Louisiana		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, Louisiana	
MODJESI & MASTERS INC.		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES GENERAL NOTES			
DESIGNED BY: A.J.H.	DATE: JUNE 95	PLOT SCALE: 1	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CARD FILE: MM41.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095		DWG. 2 OF 79



10/10/95 11:12:01 AM

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DETOUR, UTILITY, LANDSCAPING, STRIPING AND CURB AND GUTTER WORK EXTEND TO STA. 16+90

CL BRC. ABUT. A & C STA. 20+01.08

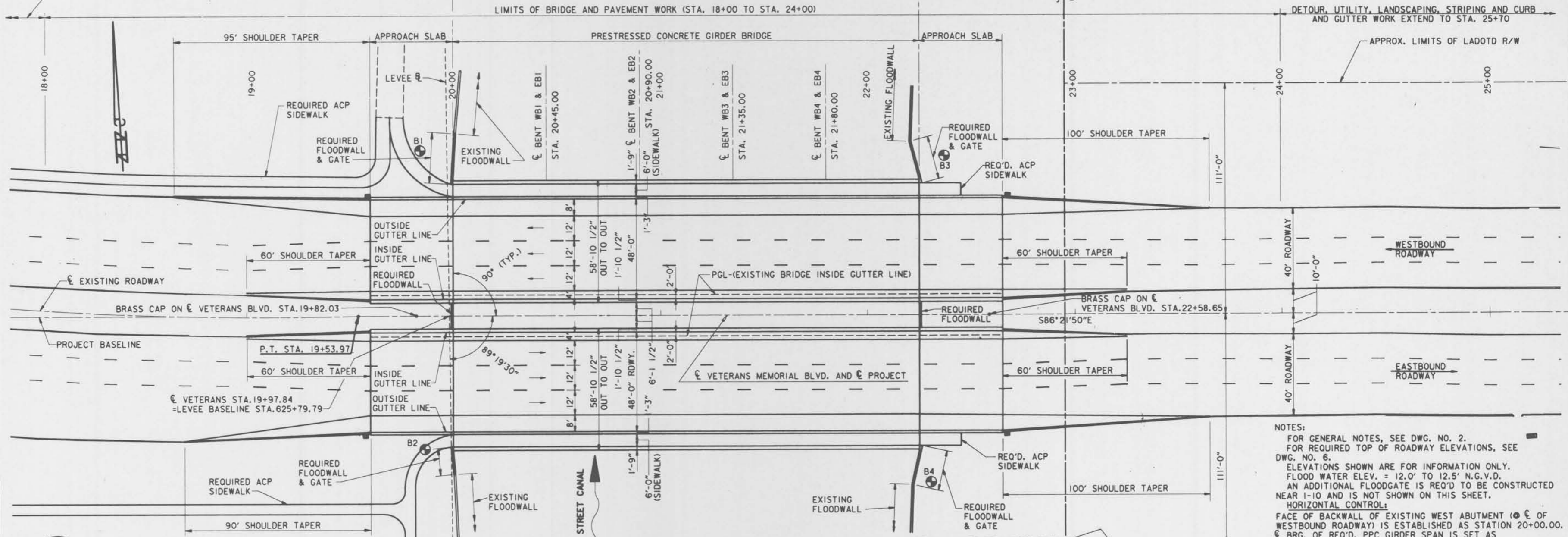
LIMITS OF BRIDGE AND PAVEMENT WORK (STA. 18+00 TO STA. 24+00)

CL BRC. ABUT. B & D STA. 22+23.92

JEFFERSON PARISH ORLEANS PARISH

HYDRAULIC DATA

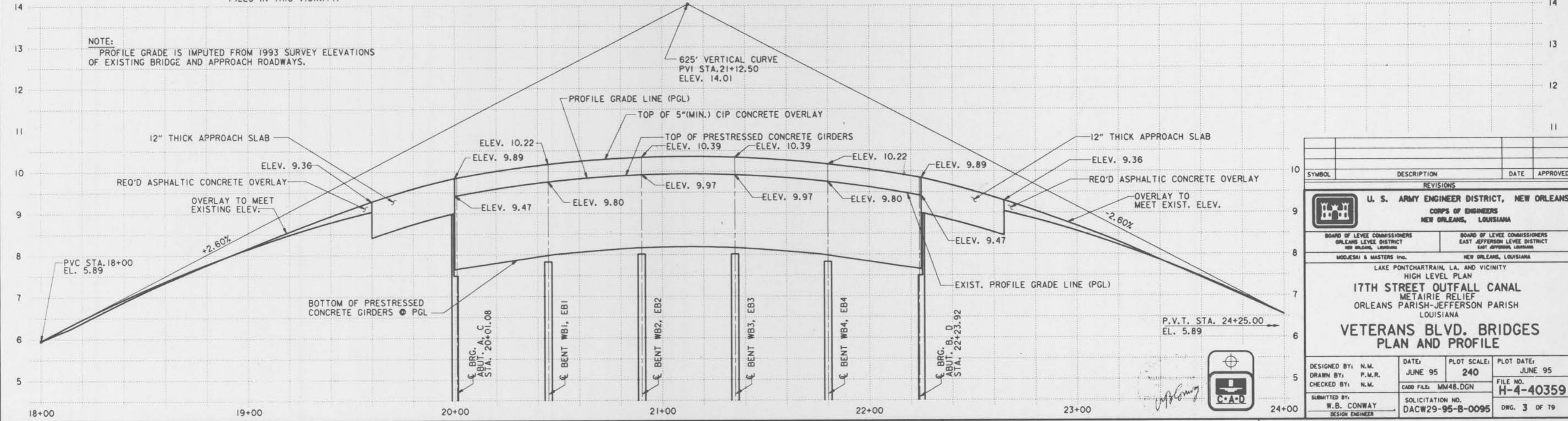
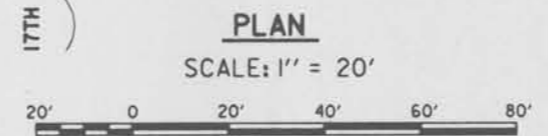
	WATER SURFACE ELEVATION	FLOW RATE	FREQUENCY
NORMAL WATER LEVEL	1.5 TO 2.0' N.G.V.D.	0 CFS	-
DESIGN FLOOD	12.5' N.G.V.D.	6,650 CFS	300 YR.



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR REQUIRED TOP OF ROADWAY ELEVATIONS, SEE DWG. NO. 6.
ELEVATIONS SHOWN ARE FOR INFORMATION ONLY. FLOOD WATER ELEV. = 12.0' TO 12.5' N.G.V.D. AN ADDITIONAL FLOODGATE IS REQ'D TO BE CONSTRUCTED NEAR I-10 AND IS NOT SHOWN ON THIS SHEET.
HORIZONTAL CONTROL:
FACE OF BACKWALL OF EXISTING WEST ABUTMENT (CL OF WESTBOUND ROADWAY) IS ESTABLISHED AS STATION 20+00.00. CL BRC. OF REQ'D. PPC GIRDER SPAN IS SET AS STATION 20+01.08 (ABUTMENTS A & C)
VERTICAL CONTROL:
ALL ELEVATIONS ARE N.G.V.D. ESTABLISHED FROM BM T-193, EL. 9.741 (1972 EPOCH). PROFILE GRADE LINE (PGL) IS LOCATED AT EXIST. BRIDGE INSIDE GUTTERLINE, 10 FT. LEFT AND RIGHT OF CENTERLINE OF VETERANS BLVD.

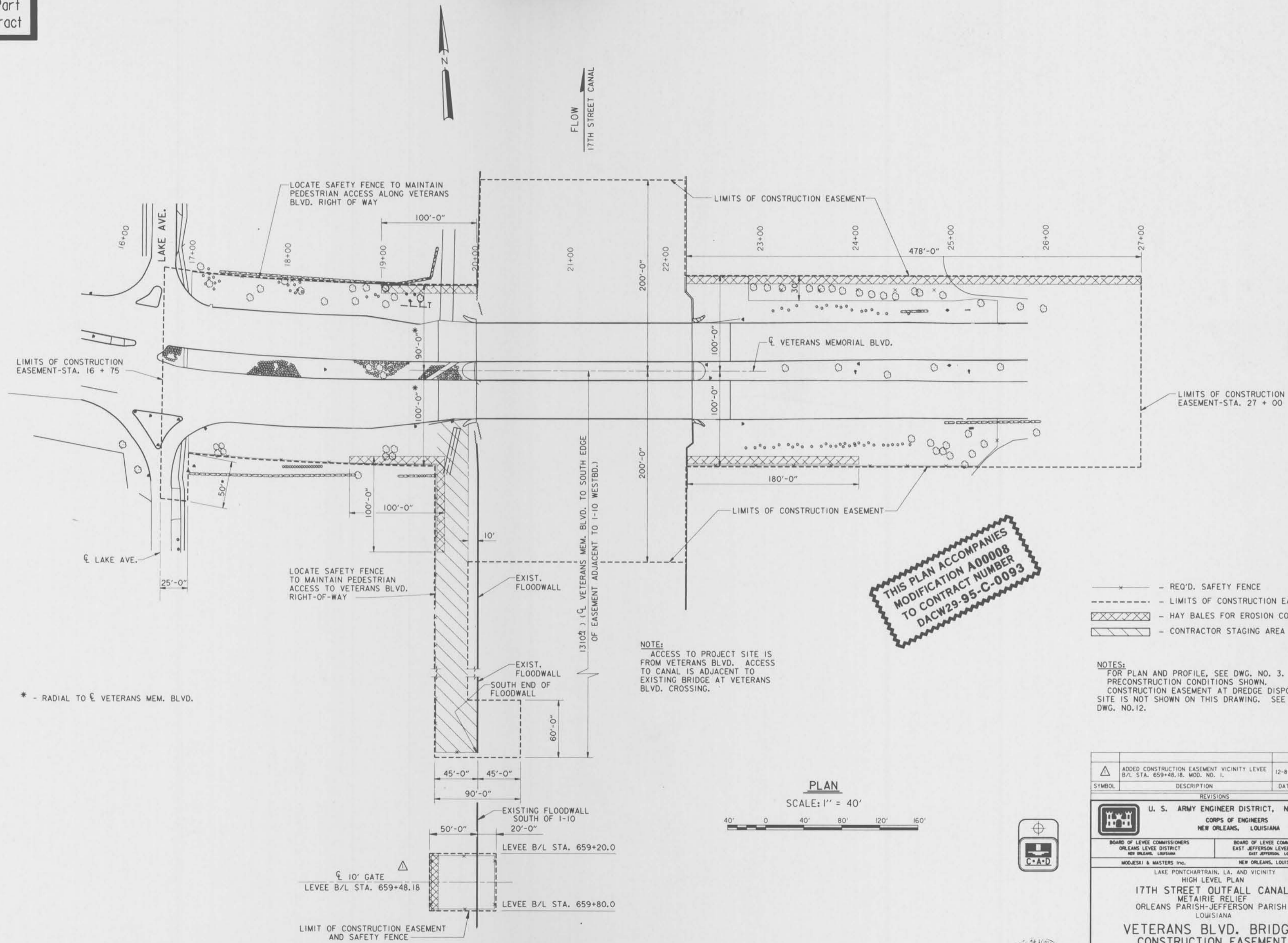


NOTE: REQ'D. TEST PILE LOCATION STA. 19+75.250 RT. LOCATE BOTH H-PILE AND CONC. TEST PILES IN THIS VICINITY)
25' South of Veterans Blvd



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REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOOREHEAD & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES PLAN AND PROFILE			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM48.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 3 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

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THIS PLAN ACCOMPANIES MODIFICATION A00008 TO CONTRACT NUMBER DACW29-95-C-0093

- x - REQ'D. SAFETY FENCE
- - - - - LIMITS OF CONSTRUCTION EASEMENT
- [Hatched Box] - HAY BALES FOR EROSION CONTROL
- [Diagonal Lines Box] - CONTRACTOR STAGING AREA

NOTES:
 FOR PLAN AND PROFILE, SEE DWG. NO. 3.
 PRECONSTRUCTION CONDITIONS SHOWN.
 CONSTRUCTION EASEMENT AT DREDGE DISPOSAL SITE IS NOT SHOWN ON THIS DRAWING. SEE DWG. NO.12.

PLAN
 SCALE: 1" = 40'

SYMBOL	DESCRIPTION	DATE	APPROVED
△	ADDED CONSTRUCTION EASEMENT VICINITY LEVEE B/L STA. 659+48.18, MOD. NO. 1.	12-8-95	A.A.H.

REVISIONS

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA

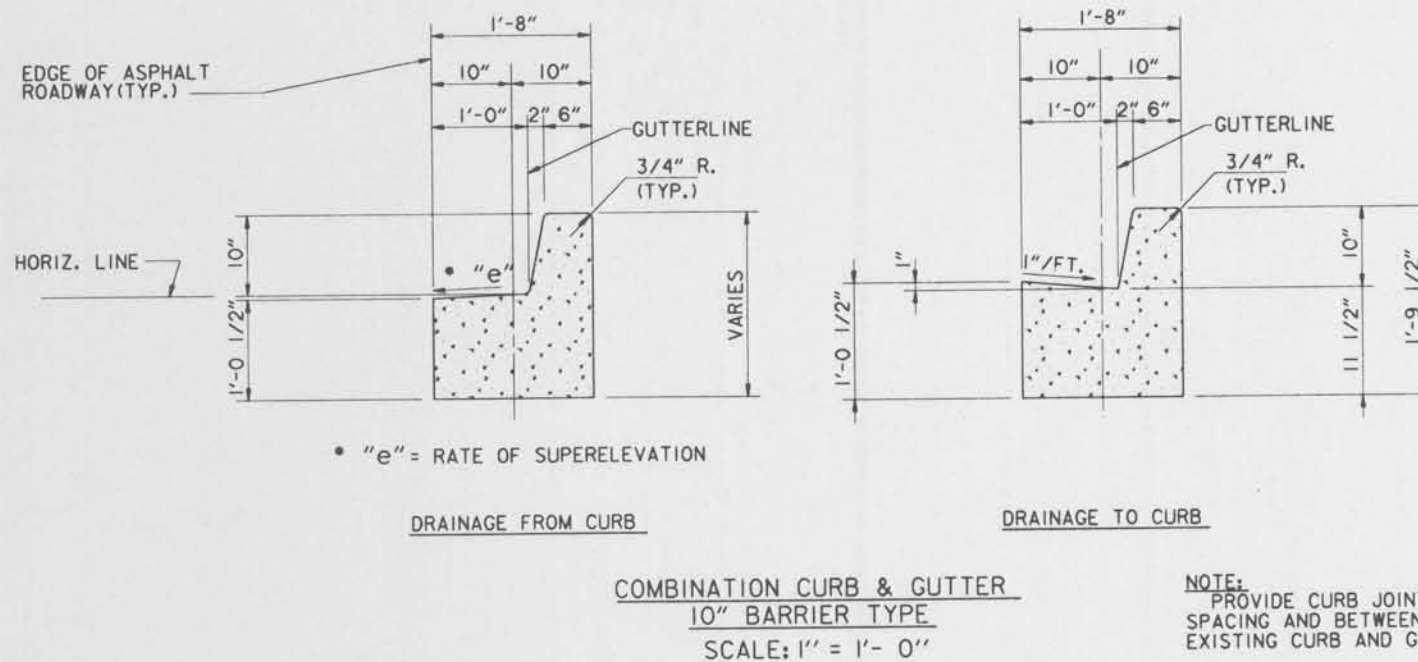
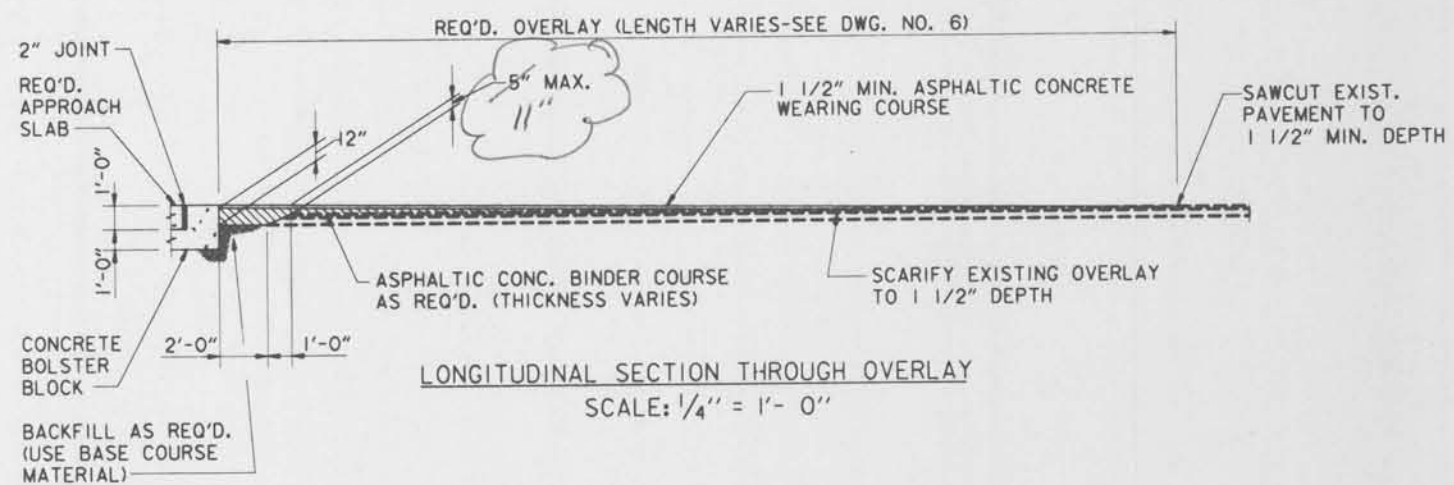
BOARD OF LEVEE COMMISSIONERS
 EAST JEFFERSON LEVEE DISTRICT
 EAST JEFFERSON, LOUISIANA

MODJESI & MASTERS INC. NEW ORLEANS, LOUISIANA

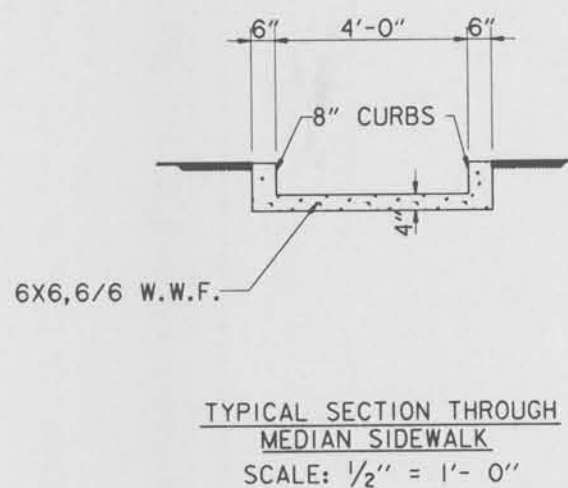
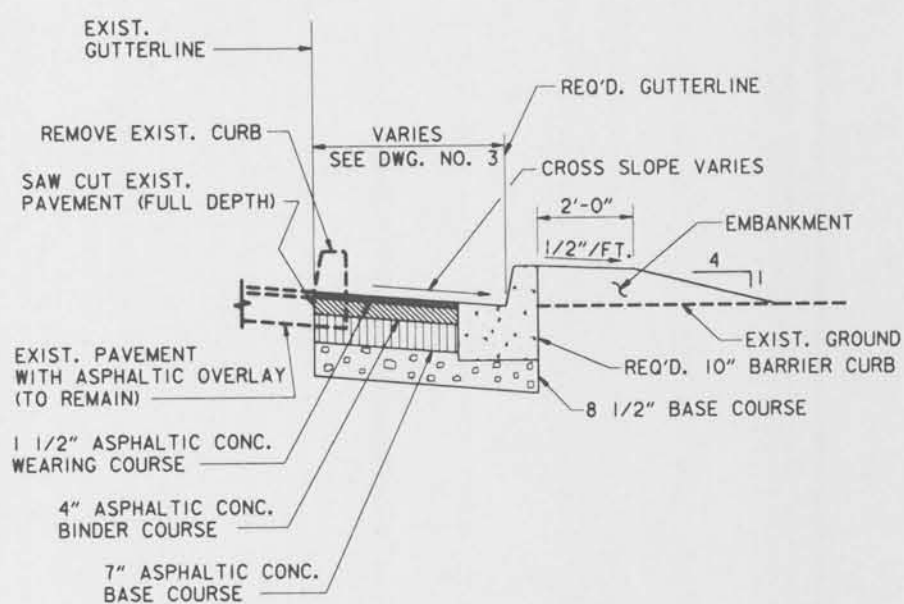
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION EASEMENT			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 480	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	CADD FILE: MMB.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 4 OF 79	



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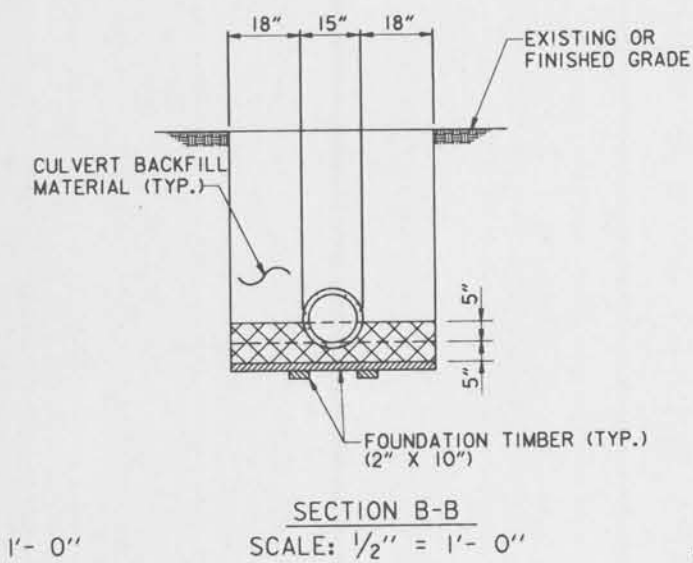
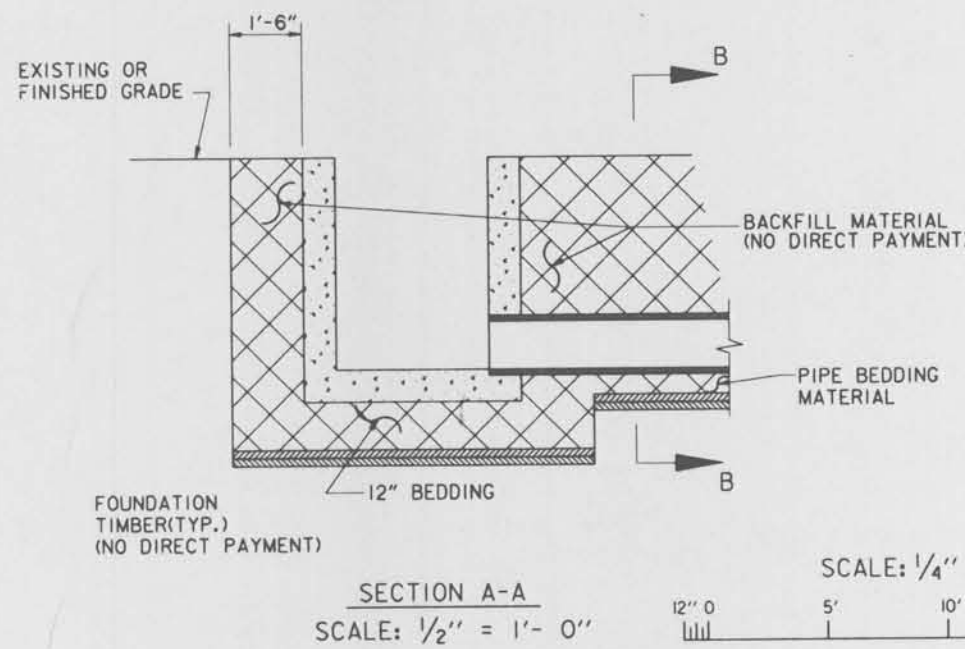
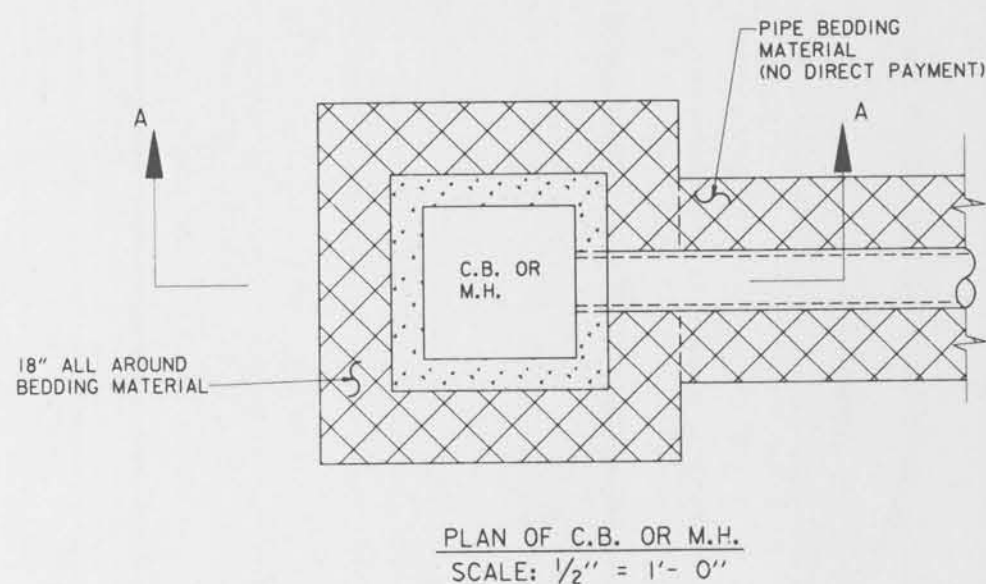
NOTE: PROVIDE CURB JOINTS AT 20' MAX. SPACING AND BETWEEN REQUIRED AND EXISTING CURB AND GUTTER.



REQUIRED CURB AND GUTTER

LANES	GUTTER	STATIONS
W/BND	OUTSIDE	18 + 65 TO 19 + 57
W/BND	OUTSIDE	22 + 68 TO 25 + 75
W/BND	INSIDE	16 + 85 TO 19 + 57
W/BND	INSIDE	22 + 68 TO 25 + 90
E/BND	OUTSIDE	18 + 70 TO 19 + 57
E/BND	OUTSIDE	22 + 68 TO 23 + 95
E/BND	INSIDE	16 + 85 TO 19 + 57
E/BND	INSIDE	22 + 68 TO 25 + 90

NOTE: PROVIDE SMOOTH TRANSITION BETWEEN REQUIRED CURB AND GUTTER AND EXISTING CURB AND GUTTER.

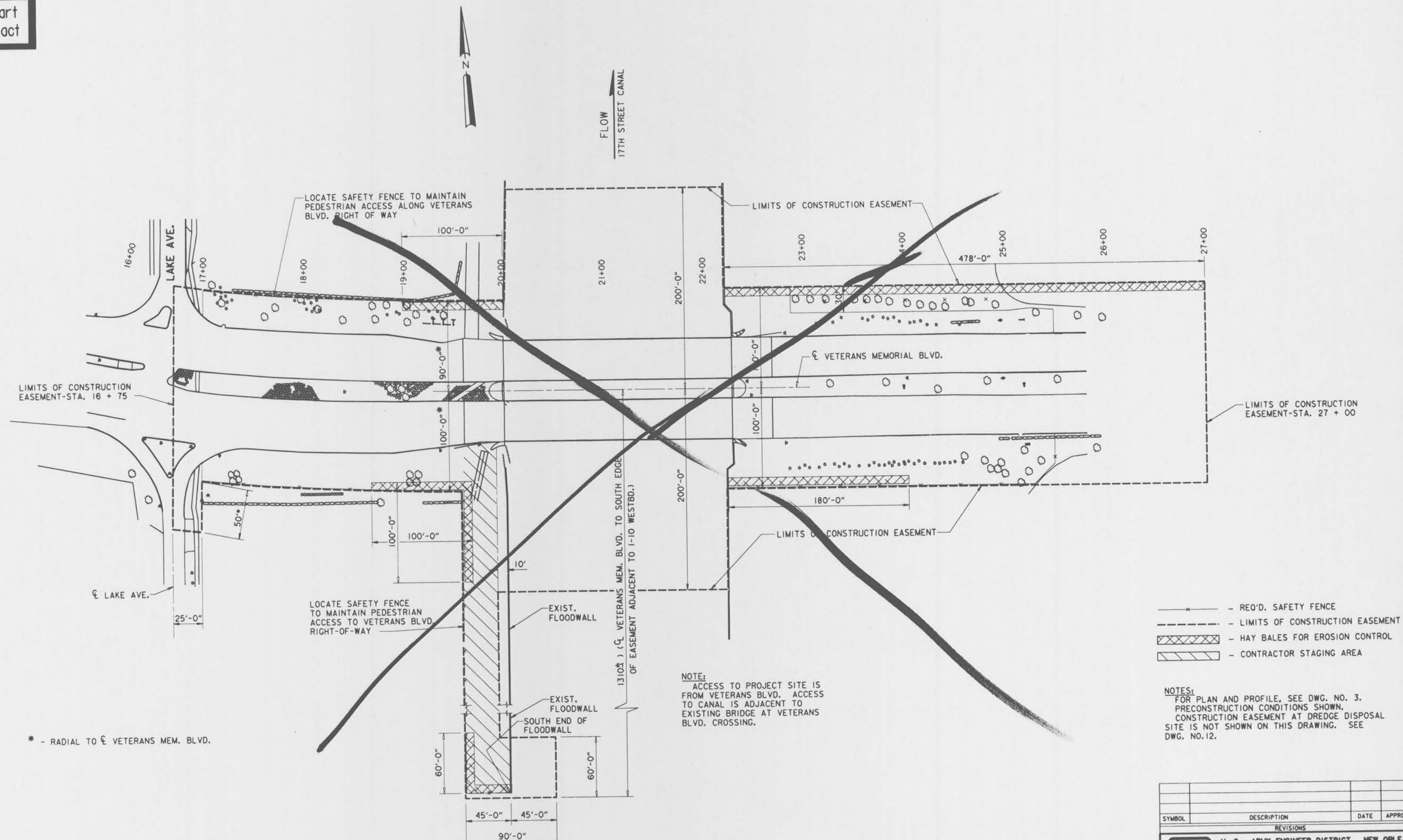


NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR GENERAL PLAN AND PROFILE, SEE DWG. NO. 3.
FOR UTILITY PLAN, SEE DWG. NO. 60.
FOR OVERLAY LIMITS, SEE ROADWAY ELEVATION TABLE, DWG. NO. 6.
FOR DRAINAGE STRUCTURE DETAILS, SEE DWG. NOS. 68-74.
FOR LANDSCAPING PLAN, SEE DWG. NOS. 58-59.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES TYPICAL ROADWAY AND DRAINAGE DETAILS			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 48	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM63.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 5 OF 79

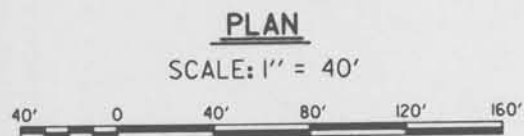
Safety is a Part of Your Contract



NOTE:
ACCESS TO PROJECT SITE IS FROM VETERANS BLVD. ACCESS TO CANAL IS ADJACENT TO EXISTING BRIDGE AT VETERANS BLVD. CROSSING.

- - - - - REQ'D. SAFETY FENCE
- - - - - LIMITS OF CONSTRUCTION EASEMENT
- - - - - HAY BALES FOR EROSION CONTROL
- - - - - CONTRACTOR STAGING AREA

NOTES:
FOR PLAN AND PROFILE, SEE DWG. NO. 3. PRECONSTRUCTION CONDITIONS SHOWN. CONSTRUCTION EASEMENT AT DREDGE DISPOSAL SITE IS NOT SHOWN ON THIS DRAWING. SEE DWG. NO. 12.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION EASEMENT			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 480	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM6.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DAWC29-95-B-0095	DWG. 4 OF 79
DESIGN ENGINEER			



EASTBOUND - END OF CONSTRUCTION PHASE 3

STATION	INSIDE GUTTER	INSIDE EDGE OF TRAFFIC LANE	OUTSIDE EDGE OF TRAFFIC LANE	OUTSIDE GUTTER	EDGE OF SIDEWALK (OR ACP TAPER)
18+00	**	**	**	**	N.A.
18+20	**	**	**	**	N.A.
18+40	**	**	**	**	N.A.
18+60	**	**	**	**	N.A.
18+80	**	**	**	**	8.00 *
19+00	7.07 *	7.11 *	7.75 *	8.22 *	8.14
19+20	7.56	7.57	7.90	8.24	8.14
19+40	8.05	8.05	8.06	8.26	8.14
19+60	8.54	8.49	8.21	8.28	8.14
19+80	9.03	8.95	8.36	8.30	8.14
20+00	9.52	9.42	8.52	8.32	8.14
20+20	9.67	9.57	8.67	8.47	8.29
20+40	9.83	9.73	8.83	8.63	8.45
20+60	9.90	9.80	8.90	8.70	8.52
20+80	9.96	9.86	8.96	8.76	8.58
21+00	10.02	9.92	9.02	8.82	8.64
21+20	10.03	9.93	9.03	8.83	8.65
21+40	9.98	9.88	8.98	8.78	8.60
21+60	9.92	9.82	8.92	8.72	8.54
21+80	9.85	9.75	8.85	8.65	8.47
22+00	9.71	9.61	8.71	8.51	8.33
22+20	9.55	9.45	8.55	8.35	8.17
22+40	9.21	9.13	8.29	8.10	7.90
22+60	8.87	8.81	8.03	7.86	7.64
22+80	8.53	8.49	7.78	7.64	7.34
23+00	8.20 *	8.16 *	7.53 *	7.29 *	7.00
23+20	**	**	**	6.89	6.66
23+40	**	**	**	6.50	6.32
23+60	**	**	**	6.10	5.98
23+80	**	**	**	5.70	5.64
24+00	**	**	**	5.30 *	5.30 *

WESTBOUND - END OF CONSTRUCTION PHASE 3

STATION	INSIDE GUTTER	INSIDE EDGE OF TRAFFIC LANE	OUTSIDE EDGE OF TRAFFIC LANE	OUTSIDE GUTTER	EDGE OF SIDEWALK (OR ACP TAPER)
18+00	**	**	**	**	N.A.
18+20	**	**	**	**	N.A.
18+40	**	**	**	**	N.A.
18+60	**	**	**	**	N.A.
18+80	**	**	**	**	4.81 *
19+00	7.72 *	7.68 *	6.09 *	5.95 *	5.60
19+20	8.08	8.02	6.57	6.43	6.10
19+40	8.44	8.37	7.05	6.90	6.61
19+60	8.80	8.72	7.54	7.38	7.12
19+80	9.16	9.07	8.03	7.85	7.63
20+00	9.52	9.42	8.52	8.32	8.14
20+20	9.67	9.57	8.67	8.47	8.29
20+40	9.83	9.73	8.83	8.63	8.45
20+60	9.90	9.80	8.90	8.70	8.52
20+80	9.96	9.86	8.96	8.76	8.58
21+00	10.02	9.92	9.02	8.82	8.64
21+20	10.03	9.93	9.03	8.83	8.65
21+40	9.98	9.88	8.98	8.78	8.60
21+60	9.92	9.82	8.92	8.72	8.54
21+80	9.85	9.75	8.85	8.65	8.47
22+00	9.71	9.61	8.71	8.51	8.33
22+20	9.55	9.45	8.55	8.35	8.17
22+40	9.23	9.14	8.27	8.08	7.88
22+60	8.91	8.83	7.99	7.80	7.57
22+80	8.59	8.52	7.71	7.55	7.31
23+00	8.26 *	8.22 *	7.43 *	7.18	7.10
23+20	**	**	**	6.81	6.70
23+40	**	**	**	6.44	6.30
23+60	**	**	**	6.07	5.88
23+80	**	**	**	5.68 *	5.47
24+00	**	**	**	**	5.06 ◇

◇ - FOR STATIONS 24+00 TO 25+75, EXTEND ROADWAY CROSS-SLOPE TO EDGE OF TAPER.

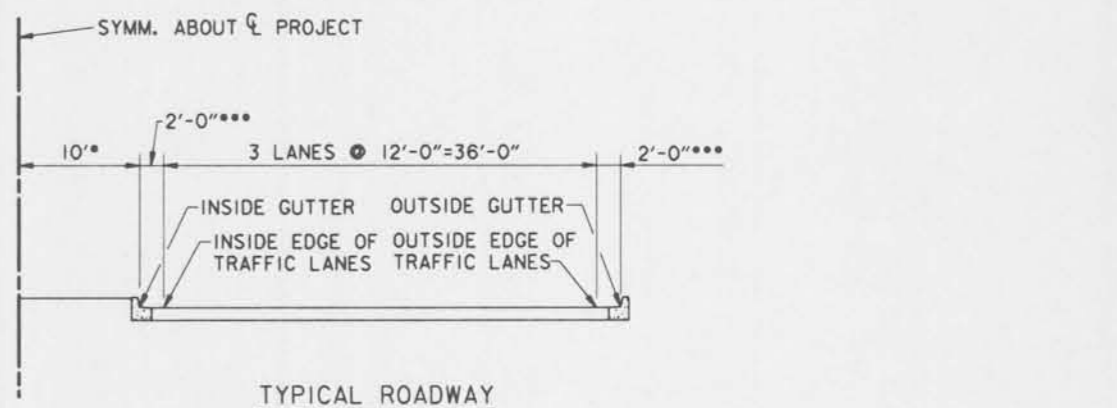
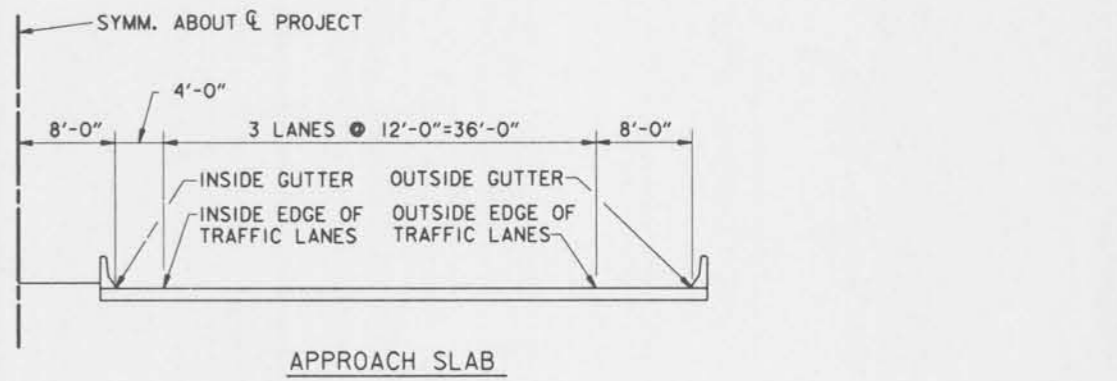
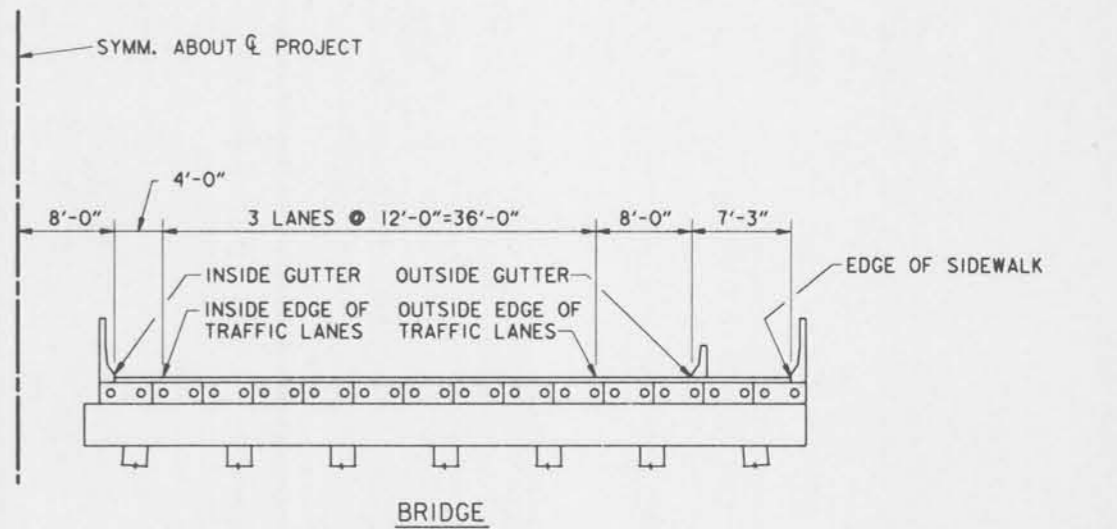
EASTBOUND - FINAL

STATION	INSIDE GUTTER	INSIDE EDGE OF TRAFFIC LANE	OUTSIDE EDGE OF TRAFFIC LANE	OUTSIDE GUTTER	EDGE OF SIDEWALK
18+00	3.90 *	4.00 *	5.74 *	6.24 *	N.A.
18+20	4.53	4.60	6.14 *	6.70 *	N.A.
18+40	5.26	5.32	6.55 *	7.11 *	N.A.
18+60	6.03	6.07	6.96 *	7.60 *	N.A.
18+80	6.76	6.79	7.37 *	7.91 *	N.A.
19+00	7.42	7.44	7.75 *	8.22 *	N.A.
19+20	8.05	8.05	8.11	8.39	N.A.
19+40	8.61	8.59	8.41	8.41	N.A.
19+60	9.11	9.06	8.64	8.54	N.A.
19+80	9.55	9.48	8.82	8.67	N.A.
20+00	9.94	9.84	8.94	8.74	8.56
20+20	10.11	10.01	9.11	8.91	8.73
20+40	10.25	10.15	9.25	9.05	8.87
20+60	10.35	10.25	9.35	9.15	8.97
20+80	10.43	10.33	9.43	9.23	9.05
21+00	10.46	10.36	9.46	9.26	9.08
21+20	10.47	10.37	9.47	9.27	9.09
21+40	10.44	10.34	9.44	9.24	9.06
21+60	10.38	10.28	9.38	9.18	9.00
21+80	10.28	10.18	9.28	9.08	8.90
22+00	10.15	10.05	9.15	8.95	8.77
22+20	9.99	9.89	8.99	8.79	8.61
22+40	9.78	9.68	8.78	8.58	N.A.
22+60	9.46	9.36	8.48	8.29	N.A.
22+80	9.07	8.99	8.13	7.97	N.A.
23+00	8.65	8.58	7.76	7.62	N.A.
23+20	8.16	8.11	7.31	7.20	N.A.
23+40	7.65	7.61	6.83	6.75	N.A.
23+60	7.20 *	7.16 *	6.39 *	6.29	N.A.
23+80	6.69 *	6.67 *	5.92 *	5.88 *	N.A.
24+00	6.13 *	6.09 *	5.34 *	5.30 *	N.A.

WESTBOUND - FINAL

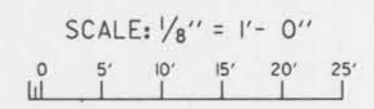
STATION	INSIDE GUTTER	INSIDE EDGE OF TRAFFIC LANE	OUTSIDE EDGE OF TRAFFIC LANE	OUTSIDE GUTTER	EDGE OF SIDEWALK
18+00	5.45 *	5.34 *	3.45 *	3.11 *	N.A.
18+20	5.94 *	5.84 *	4.00 *	3.70 *	N.A.
18+40	6.44 *	6.34 *	4.55 *	4.24 *	N.A.
18+60	6.94 *	6.85 *	5.21	4.85 *	N.A.
18+80	7.51	7.42	5.88	5.53	N.A.
19+00	8.06	7.98	6.54	6.31	N.A.
19+20	8.59	8.49	7.17	6.97	N.A.
19+40	9.04	8.93	7.71	7.48	N.A.
19+60	9.42	9.30	8.18	7.94	N.A.
19+80	9.72	9.61	8.61	8.39	N.A.
20+00	9.94	9.84	8.94	8.74	8.56
20+20	10.11	10.01	9.11	8.91	8.73
20+40	10.25	10.15	9.25	9.05	8.87
20+60	10.35	10.25	9.35	9.15	8.97
20+80	10.43	10.33	9.43	9.23	9.05
21+00	10.46	10.36	9.46	9.26	9.08
21+20	10.47	10.37	9.47	9.27	9.09
21+40	10.44	10.34	9.44	9.24	9.06
21+60	10.38	10.28	9.38	9.18	9.00
21+80	10.28	10.18	9.28	9.08	8.90
22+00	10.15	10.05	9.15	8.95	8.77
22+20	9.99	9.89	8.99	8.79	8.61
22+40	9.76	9.66	8.76	8.56	N.A.
22+60	9.44	9.34	8.46	8.26	N.A.
22+80	9.05	8.97	8.09	7.92	N.A.
23+00	8.59	8.52	7.66	7.52	N.A.
23+20	8.09	8.04	7.18	7.07	N.A.
23+40	7.61	7.56	6.72	6.64	N.A.
23+60	7.12	7.08	6.25	6.19	N.A.
23+80	6.70 *	6.65 *	5.78	5.73	N.A.
24+00	6.16 *	6.12 *	5.26 *	5.22 *	N.A.

* - MATCH EXISTING GRADE WITH OVERLAY
 ** - EXISTING GRADE (NO OVERLAY)
 N.A. - NOT APPLICABLE



*** - WIDTH VARIES AT BRIDGE APPROACHES

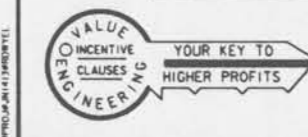
FINAL ELEVATIONS - KEY PLANS



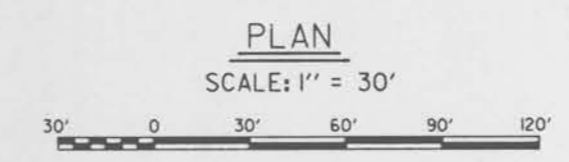
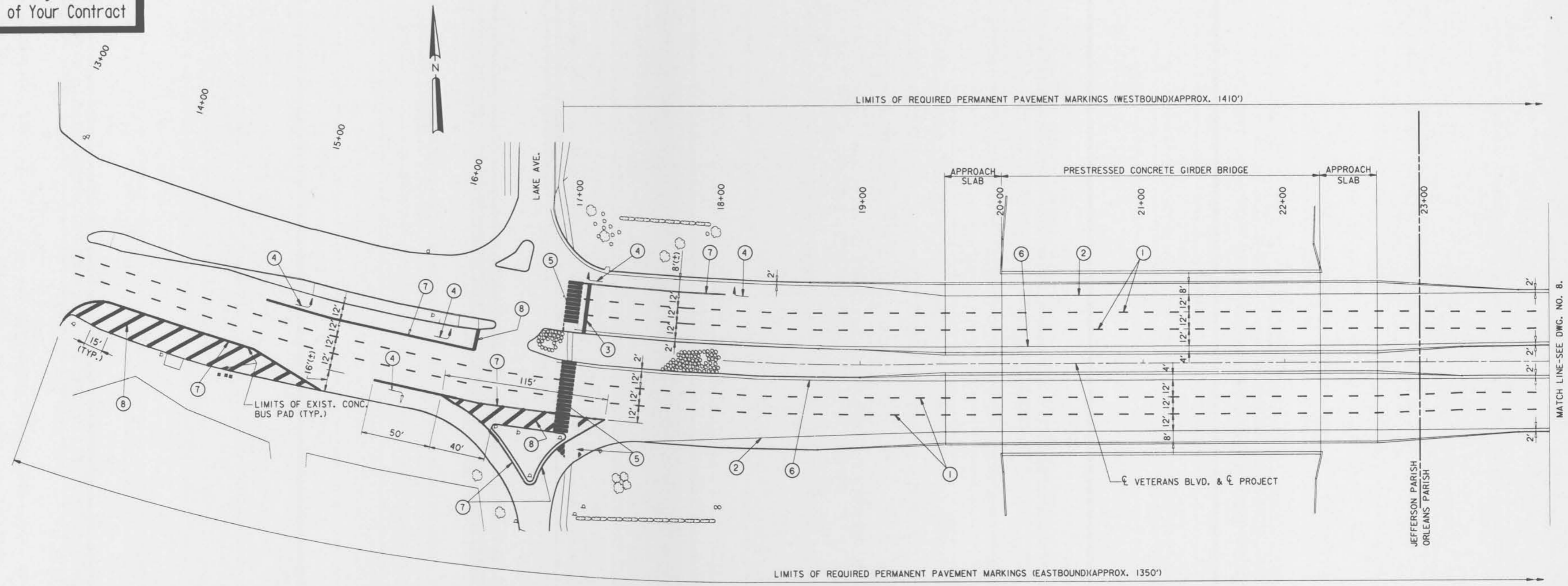
NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR GENERAL PLAN AND PROFILE, SEE DWG. NO. 3.

Safety is a Part of Your Contract

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES ROADWAY ELEVATIONS			
DESIGNED BY: N.W.	DATE: JUNE 95	PLOT SCALE: 96	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM54.DGN	FILE NO. H-4-40359	
CHECKED BY: TIU	SOLICITATION NO. DACW29-95-B-0095	DWG. 6 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



Safety is a Part of Your Contract



NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED AS PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 2. ALL PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC OR HOT APPLIED PAINT.

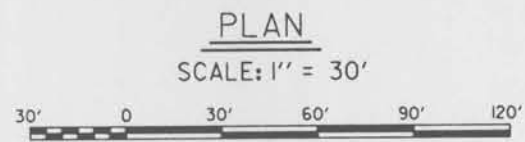
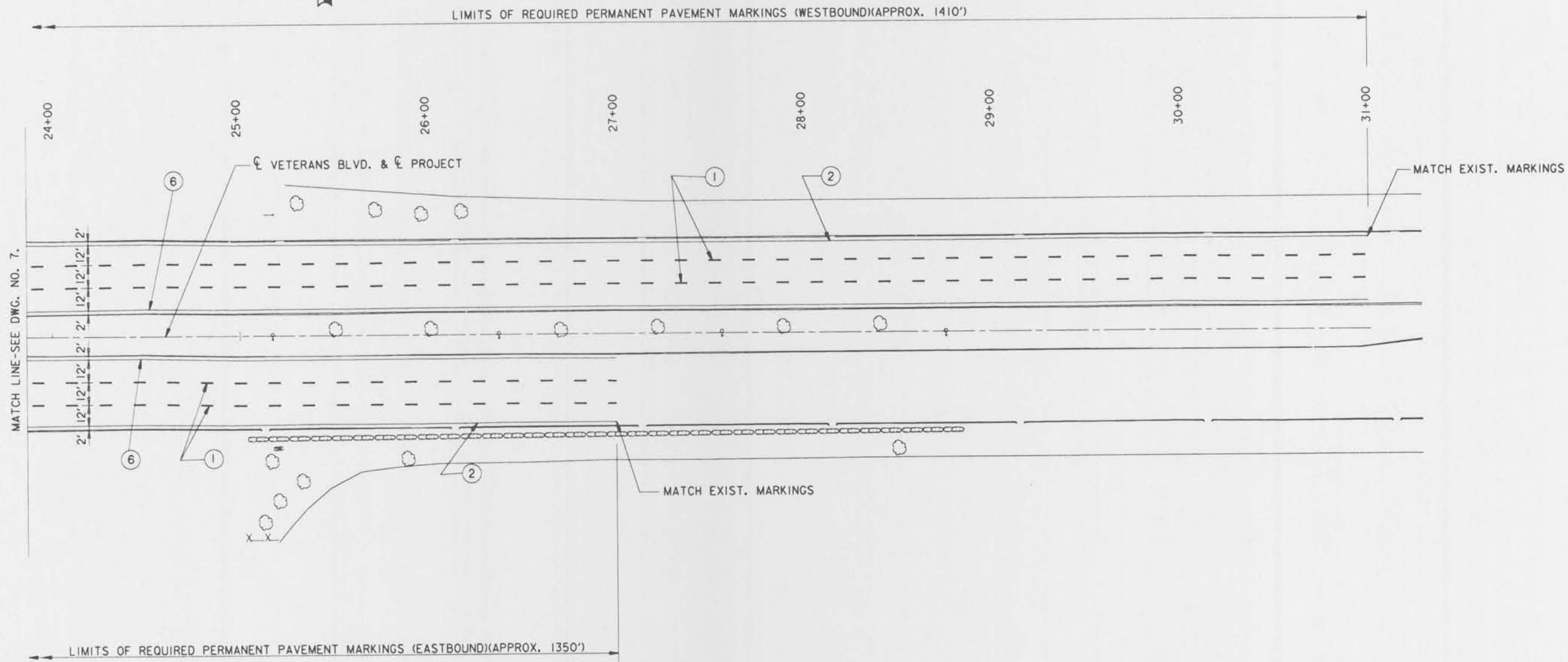
- LEGEND:**
- ① -- 4" BROKEN WHITE LINE(10' LINE-30' SKIP PATTERN)
 - ② -- 4" SOLID WHITE LINE
 - ③ -- 24" SOLID WHITE LINE(STOP BAR LOCATED 5' BEHIND CROSSWALK)(TYP.)
 - ④ -- PLASTIC PAVEMENT SYMBOLS
 - ⑤ -- WHITE CROSSWALK MARKINGS(ALL BARS 2' WIDE X 10' LONG)
 - ⑥ -- 4" SOLID YELLOW LINE
 - ⑦ -- 8" SOLID WHITE LINE
 - ⑧ -- 24" SOLID WHITE LINE

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 CONTRACTOR SHALL IDENTIFY, MAKE INVENTORY, REMOVE, STORE AND REINSTALL STREET SIGNS WHICH ARE AFFECTED BY CONSTRUCTION. SEE SPECIFICATIONS FOR DETAILS.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA</small>	
<small>MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA</small>			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES PERMANENT PAVEMENT MARKING-1			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM50.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 7 OF 19



Safety is a Part of Your Contract

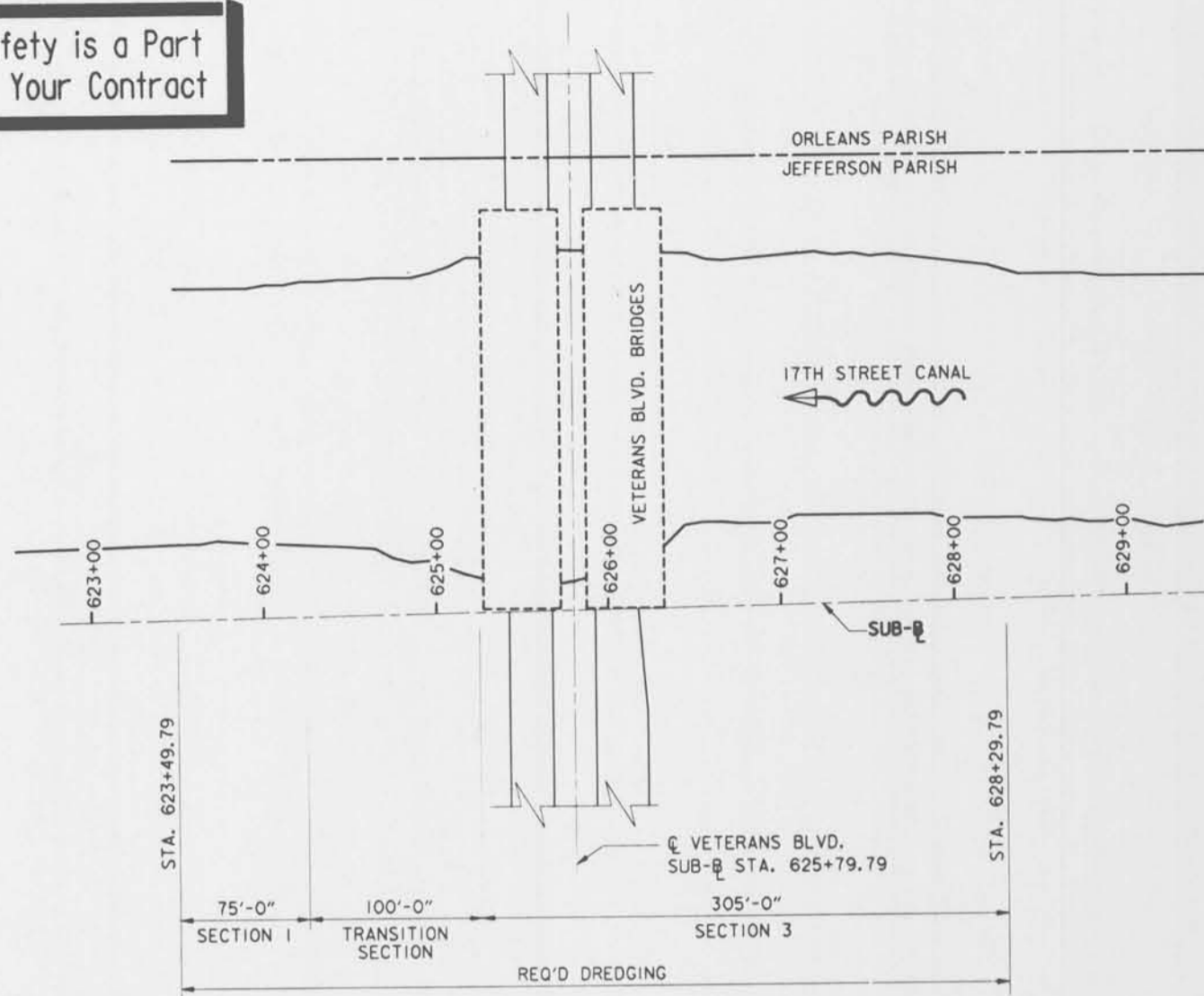


NOTES:
FOR NOTES AND LEGEND PERTAINING TO THIS SHEET, SEE DWG. NO. 7.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES PERMANENT PAVEMENT MARKING-2			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 380	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM51.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 8 OF 79

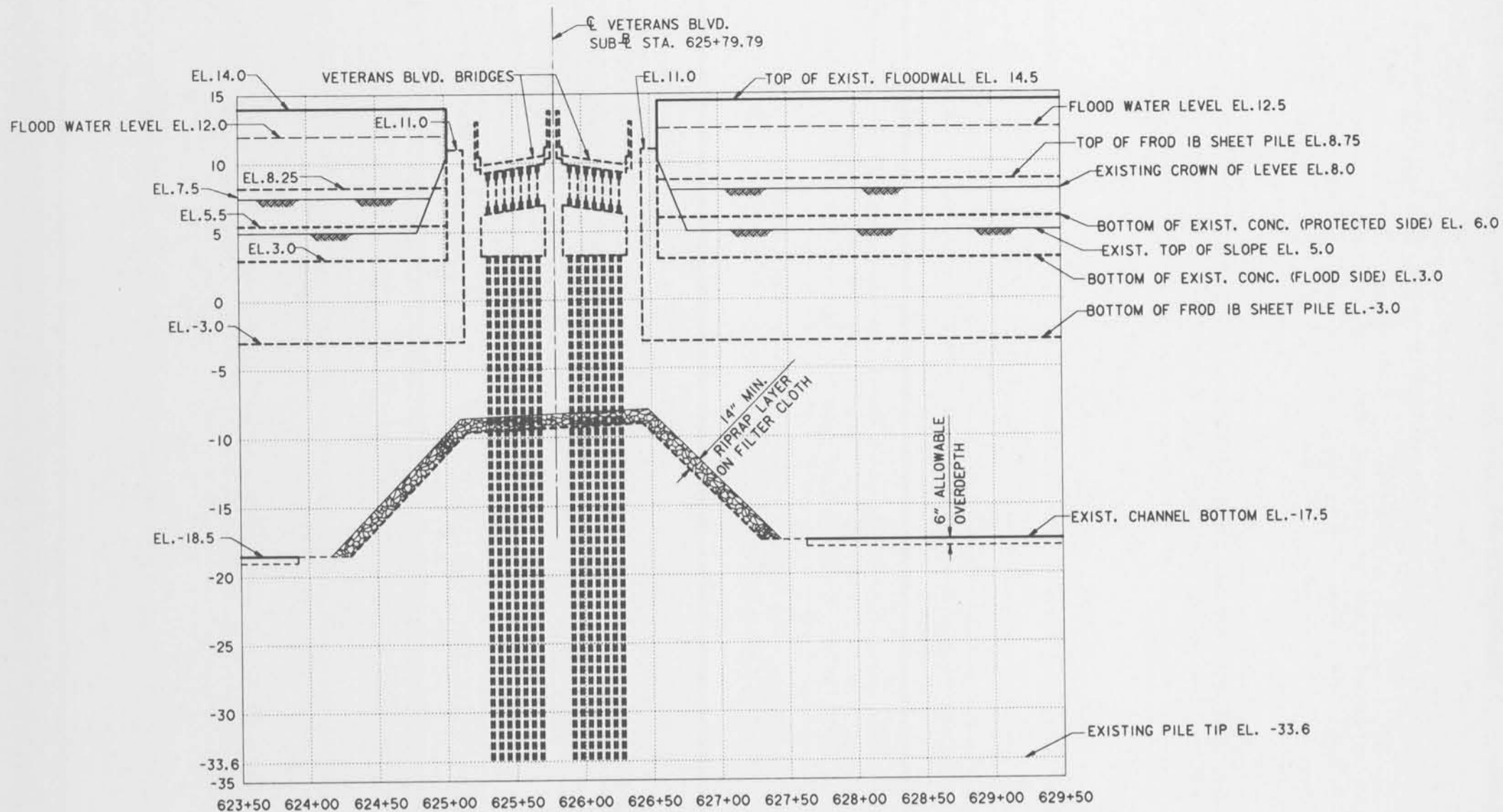


Safety is a Part
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PLAN

SCALE: 1" = 50'



PROFILE

EXISTING CONDITIONS
(JEFFERSON PARISH SIDE SHOWN)

SCALE: HORIZ.: 1" = 50'
VERT.: 1" = 5'

EXISTING RIPRAP GRADATION	
PERCENTAGE	STONE WEIGHT (POUNDS)
10 MAX.	26-36
40-60	26-36
20-40	26-36
15 MAX.	26-36

(FOR INFORMATION ONLY)

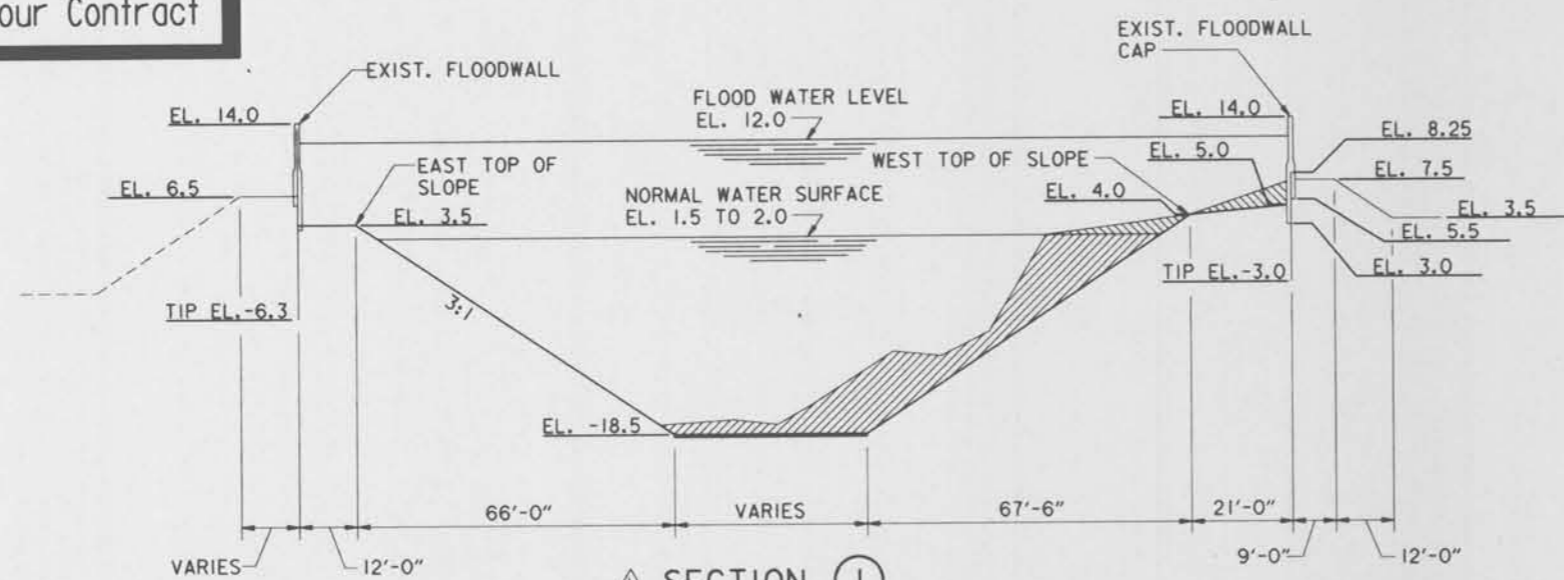
NOTE:
TO PREVENT UNDERMINING OF THE EXISTING BRIDGE FOUNDATION, A LIMITED AMOUNT OF RIPRAP REMOVAL AND DREDGING FOR PILE DRIVING OPERATION DURING PHASE 2 CONSTRUCTION WILL BE ALLOWED. REMAINING RIPRAP REMOVAL AND DREDGING WILL NOT BE PERMITTED UNTIL ALL TRAFFIC SHIFTING TO THE NEW BRIDGE IS COMPLETED (PHASE 3).

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR ADDITIONAL DREDGING DETAILS, SEE DWG. NOS. 10-13.

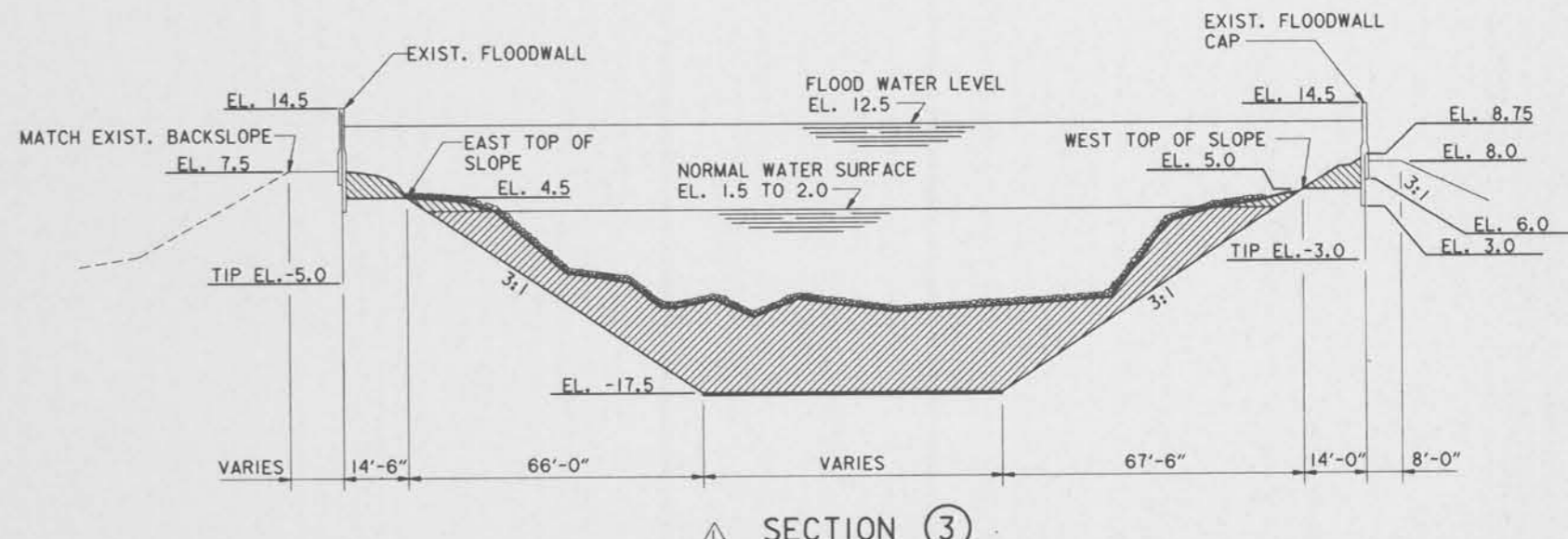
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES DREDGING PLAN AND PROFILE			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 800	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM49.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 9 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



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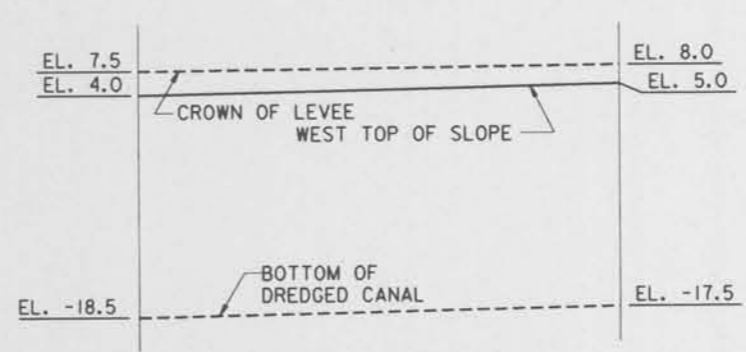
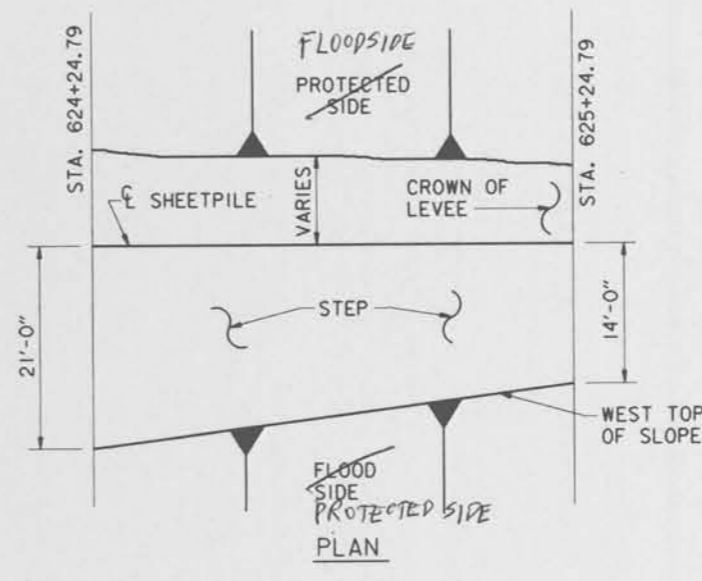
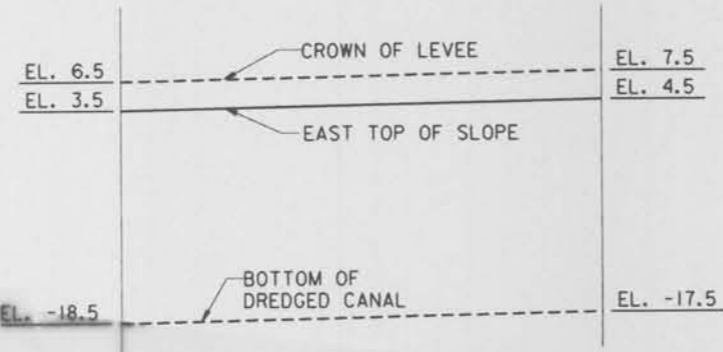
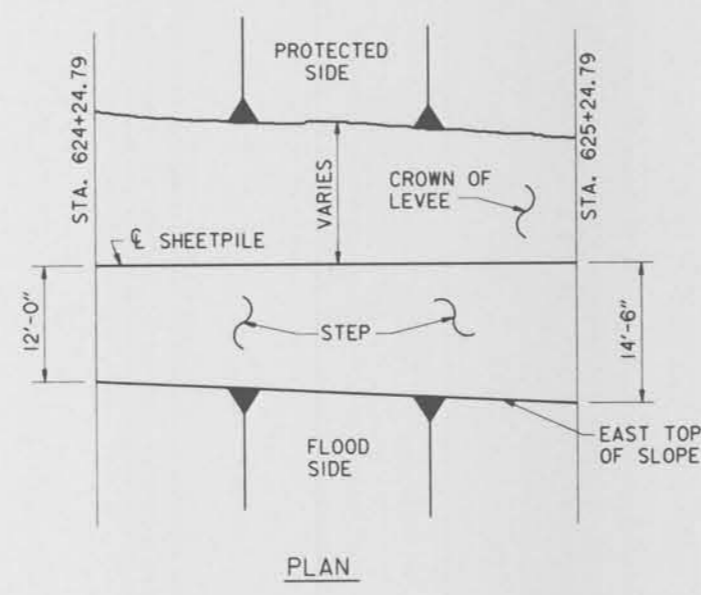
SECTION 1
 STA. 623+49.79 TO STA. 624+24.79
 SCALE: HORIZ. 1"=20'
 VERT. 1"=10'



SECTION 3
 STA. 625+24.79 TO STA. 628+29.79
 SCALE: HORIZ. 1"=20'
 VERT. 1"=10'

NOTE:
 NO DREDGING WORK IS REQUIRED ON PROTECTED SIDE OF SHEETING.

NOTE:
 FOR LEVEE DREDGING IN VICINITY OF FLOODGATES, SEE DWG. 24A.



- LEGEND:
- REQUIRED DREDGING
 - REQUIRED RIP RAP REMOVAL
 - REQUIRED EXCAVATION

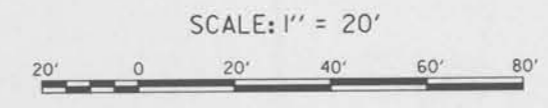
THIS PLAN ACCOMPANIES MODIFICATION A00008 TO CONTRACT NUMBER DACW29-95-C-0093

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.

Changes To The Contract Drawings
 Add the following note to drawing 10 of 79, file number H-4-40359:

- Repairs to areas of excess dredging (Modification A00019)*
- Fill all holes between stations 626+43.79 and 627+84.79 according to the following guidelines:
1. Stations 626+43.79 to 627+50: Place stone so that the originally intended section is achieved up to elevation -5.0 sloping from that point to elevation 0.0.
 2. Stations 627+50 to 627+84.79: Place stone so that the originally intended section is achieved up to elevation -4.0 sloping from that point to elevation 0.0.
- Ensure a smooth transition between the two reaches.

TRANSITION
 STA. 624+24.79 TO STA. 625+24.79
 NO SCALE



SYMBOL	DESCRIPTION	DATE	APPROVED
△	ADDED NOTE AND MISC REVISIONS IN SECTIONS 1 AND 3.	12-8-95	A.A.H.
	MOD. NO. 1		

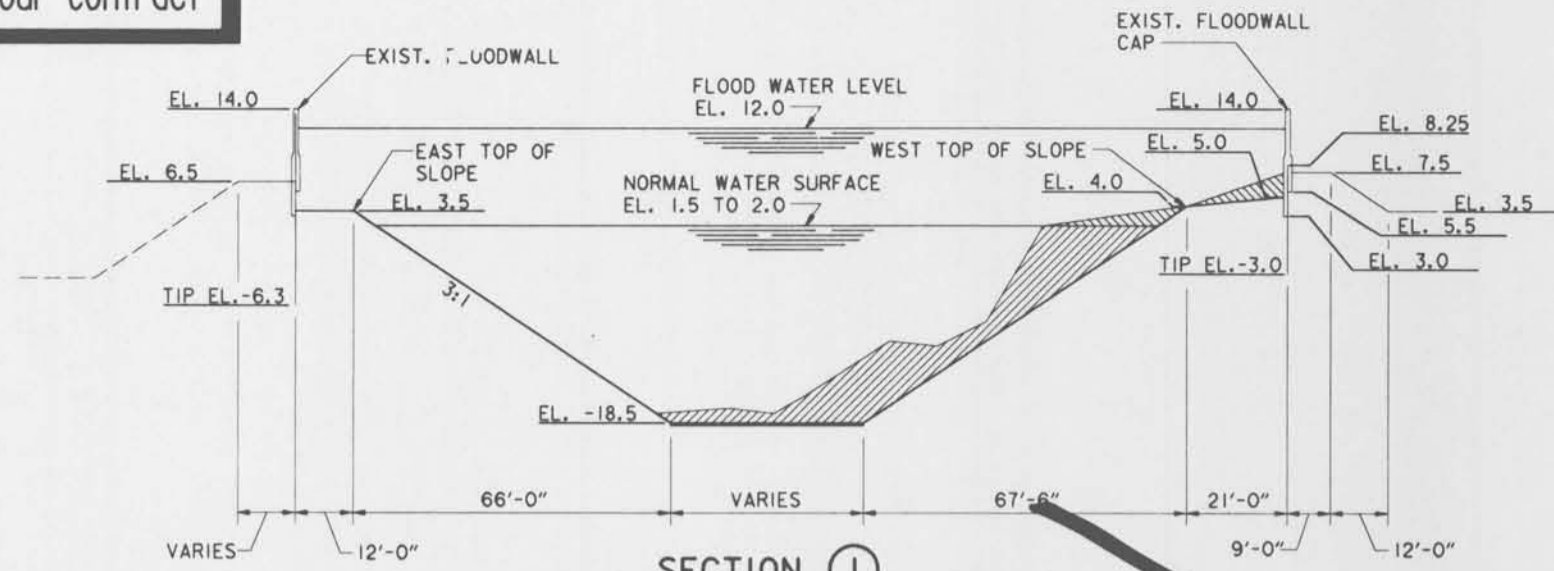
REVISIONS	
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA	BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA
MOD.ESI & MASTERS Inc.	NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, L.A. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET OUTFALL CANAL
 METAIRIE RELIEF
 ORLEANS PARISH-JEFFERSON PARISH
 LOUISIANA

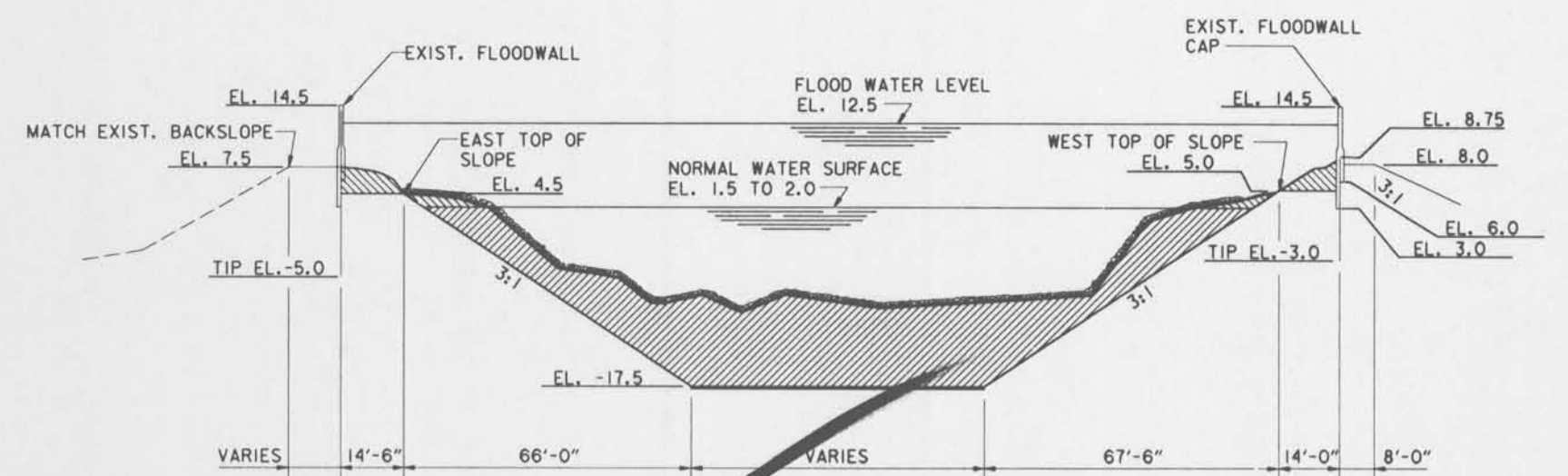
**VETERANS BLVD. BRIDGES
 DREDGING CROSS SECTIONS-1**

DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM29.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 10 OF 79

Safety is a Part of Your Contract



SECTION ①
 STA. 623+49.79 TO STA. 624+24.79
 SCALE: HORIZ. 1"=20'
 VERT. 1"=10'



SECTION ③
 STA. 625+24.79 TO STA. 628+29.79
 SCALE: HORIZ. 1"=20'
 VERT. 1"=10'

NOTE:
 NO DREDGING WORK IS REQUIRED ON PROTECTED SIDE OF SHEETING.

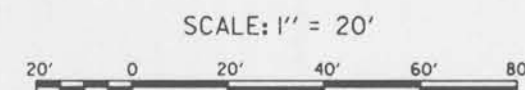
- LEGEND:
- REQUIRED DREDGING
 - REQUIRED RIP RAP REMOVAL
 - REQUIRED EXCAVATION



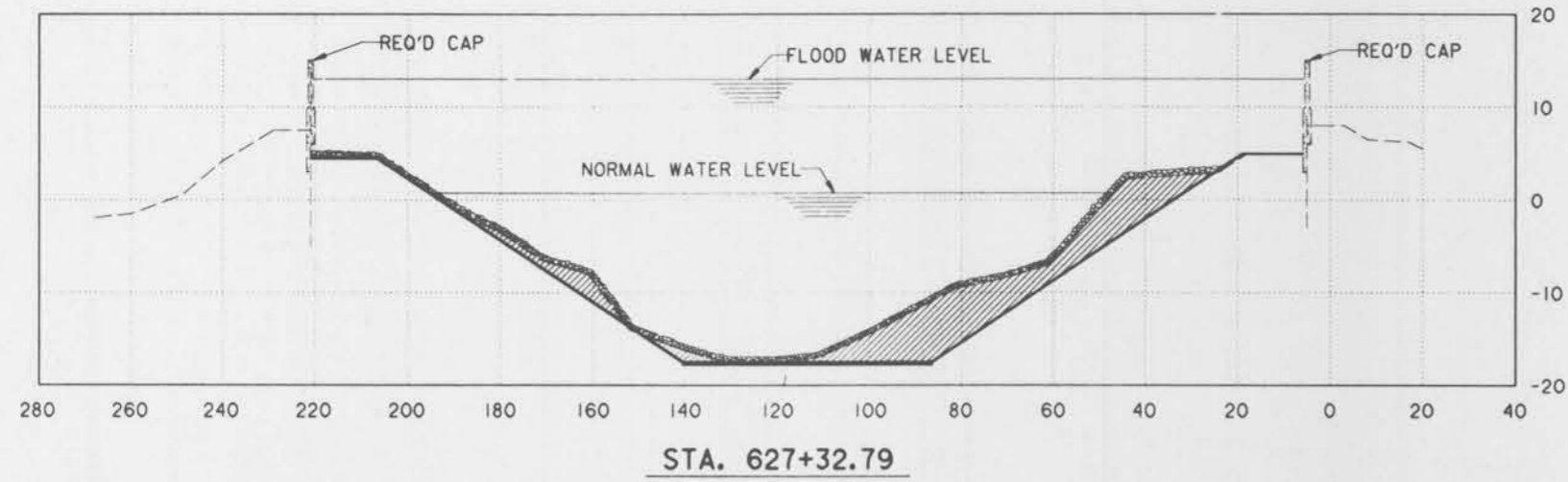
TRANSITION
 STA. 624+24.79 TO STA. 625+24.79
 NO SCALE

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.

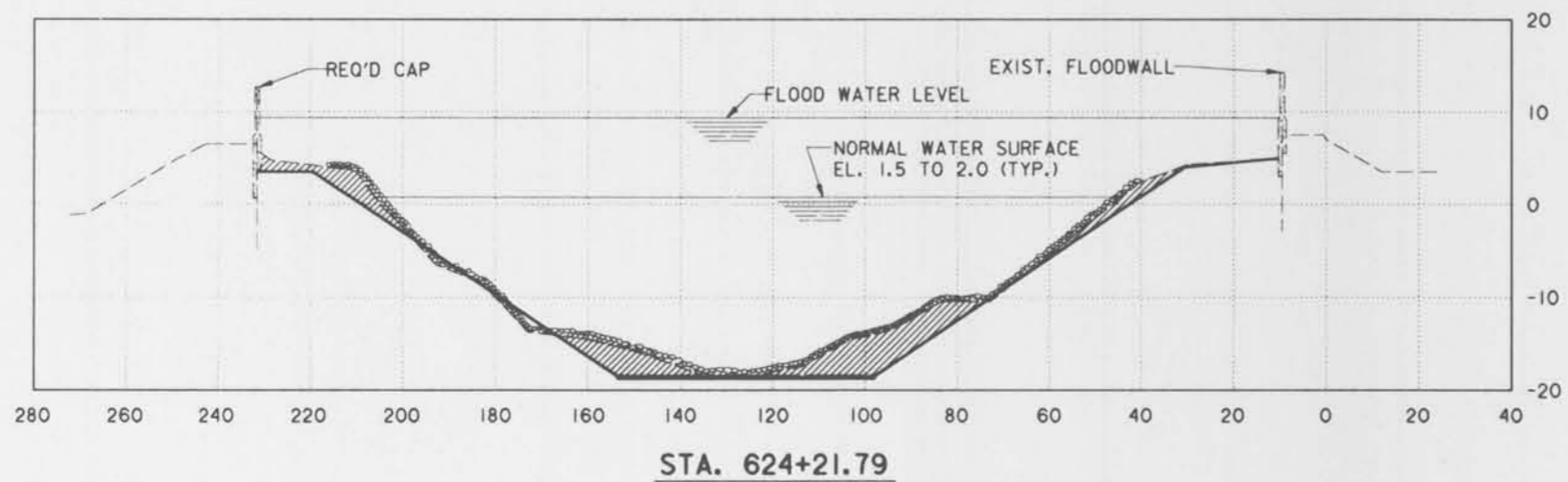
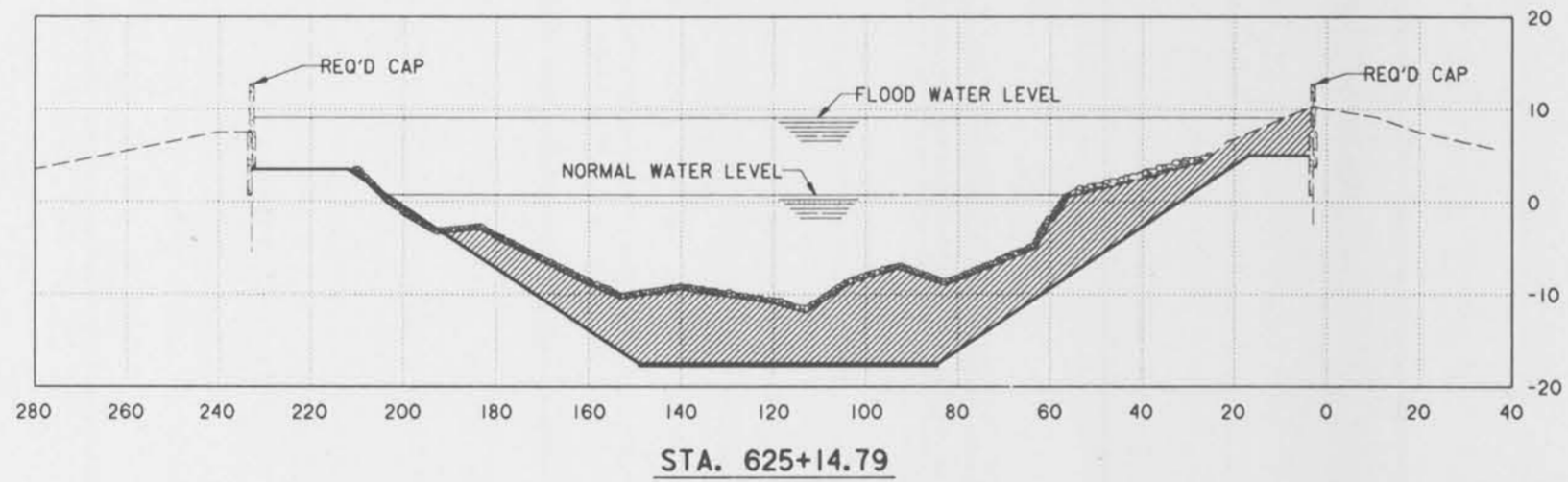
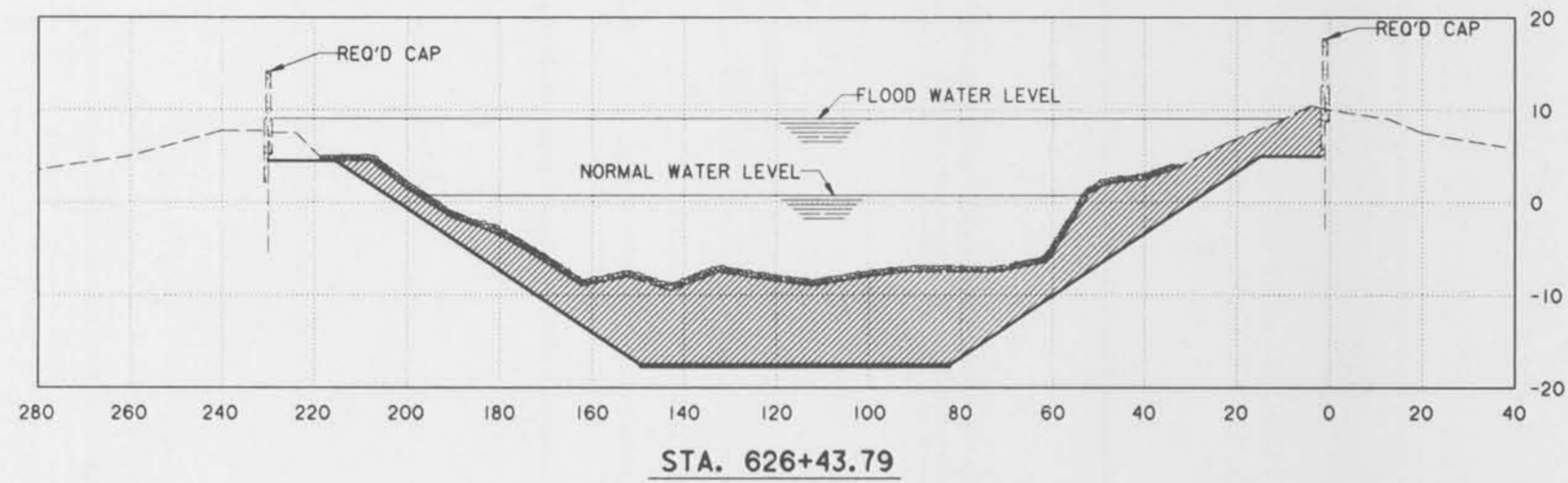
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
WODJESKI & MASTERS, INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES DREDGING CROSS SECTIONS-I			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM29.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095		
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		DWG. 10 OF 79	



Safety is a Part of Your Contract

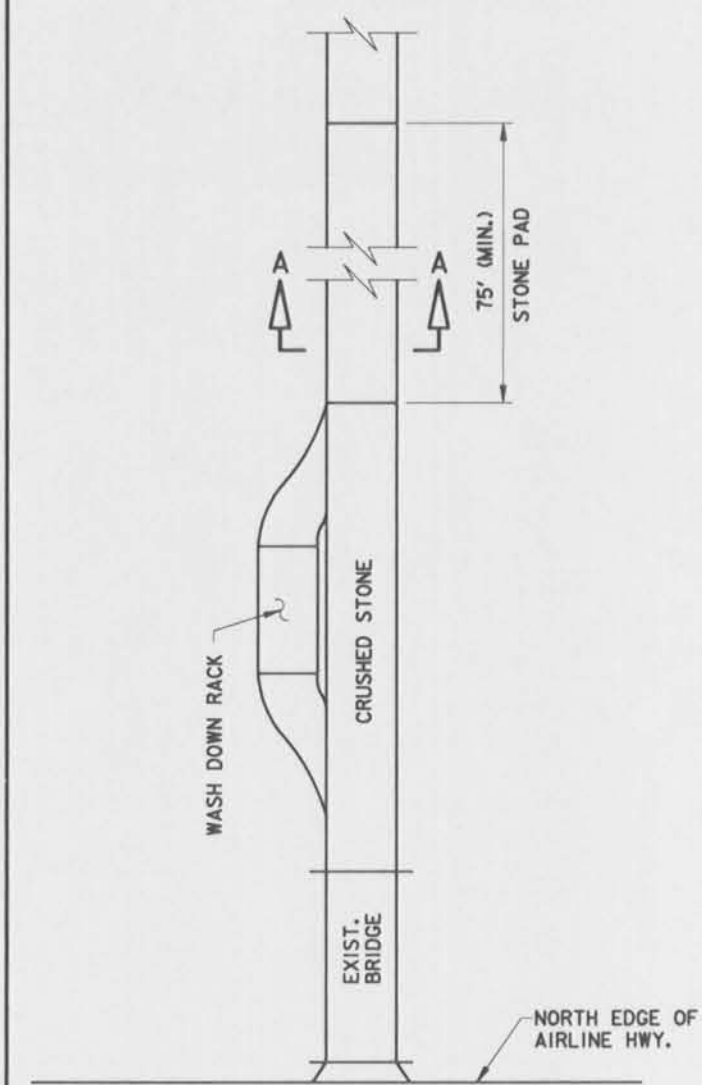


LEGEND:
 - REQ'D DREDGING

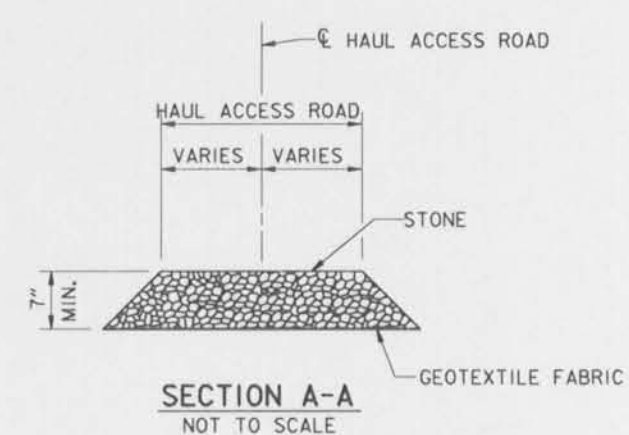
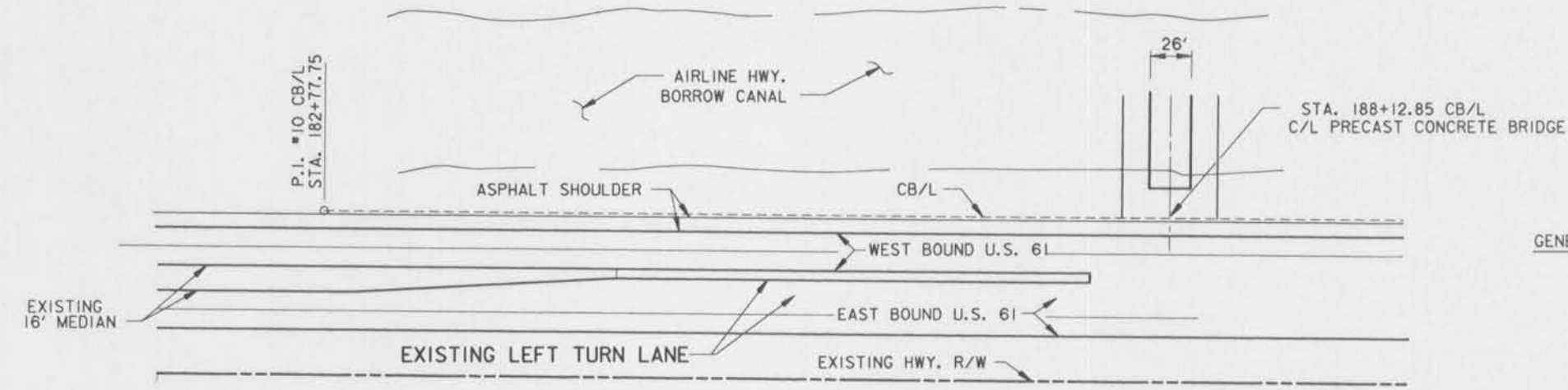


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA</small>	
<small>MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA</small>			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES DREDGING CROSS SECTIONS-2			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM30.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 11 OF 79	
<small>SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER</small>			





SCHMATIC DIAGRAM
DREDGE DISPOSAL SITE
NOT TO SCALE

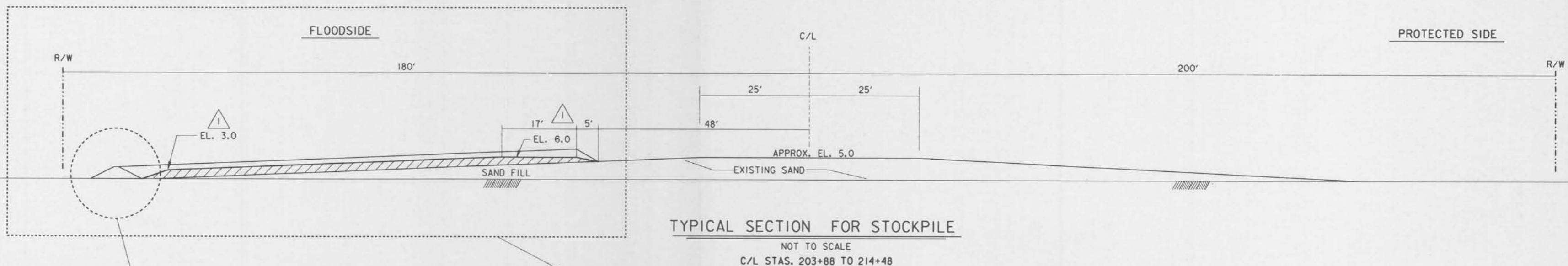


- NOTES:**
- A STONE STABILIZED PAD AS SHOWN IS REQUIRED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON THE DISPOSAL SITE TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS. THE TRUCK TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A STONE CONSTRUCTION ENTRANCE AND WASH-DOWN AREA ARE:
 - THE STONE LAYER MUST BE AT LEAST 7 INCHES THICK.
 - THE STONE SHALL CONFORM TO STONE PAD GRADATION TABLE SHOWN ON THIS SHEET.
 - THE LENGTH OF THE PAD MUST BE AT LEAST 75 FEET AND IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS.
 - A GEOTEXTILE FABRIC UNDERLINER IS REQUIRED. THE GEOTEXTILE FABRIC SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL MEET THE REQUIREMENTS OF LSSRB SECTION 1019.
 - A 6" (6 INCH) MINIMUM CRUSHED STONE SURFACED LANE SHALL BE MAINTAINED ON THE HAUL ROAD BETWEEN THE STONE PAD LANE AND THE HIGHWAY, WITHIN THE FULL WIDTH OF THE HAUL ROAD.

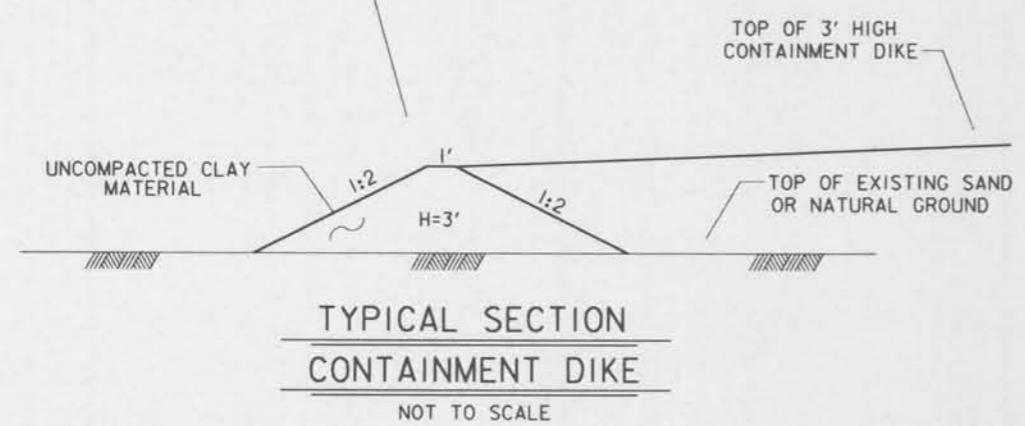
STONE PAD GRADATION	
STONE SIZE LBS.	% SMALLER THAN
10	100
4	40-100
2	15-50
0.75	0-15

- GENERAL NOTES:**
- CB/L = CONSTRUCTION B/L
 - ALL AZIMUTHS SHOWN ARE GEODETIC AZIMUTHS.
 - DISTANCES FROM CB/L TO LEVEE C/L ARE AT RIGHT ANGLES TO THE CB/L UNLESS OTHERWISE NOTED.
 - P.O.T. = POINT ON TANGENT
 - ACCESS FOR THE CONTRACTOR WILL BE VIA A PERMANENT BRIDGE ACROSS THE AIRLINE HIGHWAY BORROW CANAL AT CB/L STA. 188+12.85.
 - SEE DWG. 12A FOR DETAILS OF STOCKPILE AND CONTAINMENT DIKES.
 - SEE DWG. 13 FOR BORROW AREA LOCATION.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA MODJESI & MASTERS INC. NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA DREDGE DISPOSAL SITE LOCATION MAP			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 32	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.S.	FILE NO. H-4-40359	
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	FILE NO. H-4-40359	DWG. 12 OF 79
DESIGN ENGINEER			

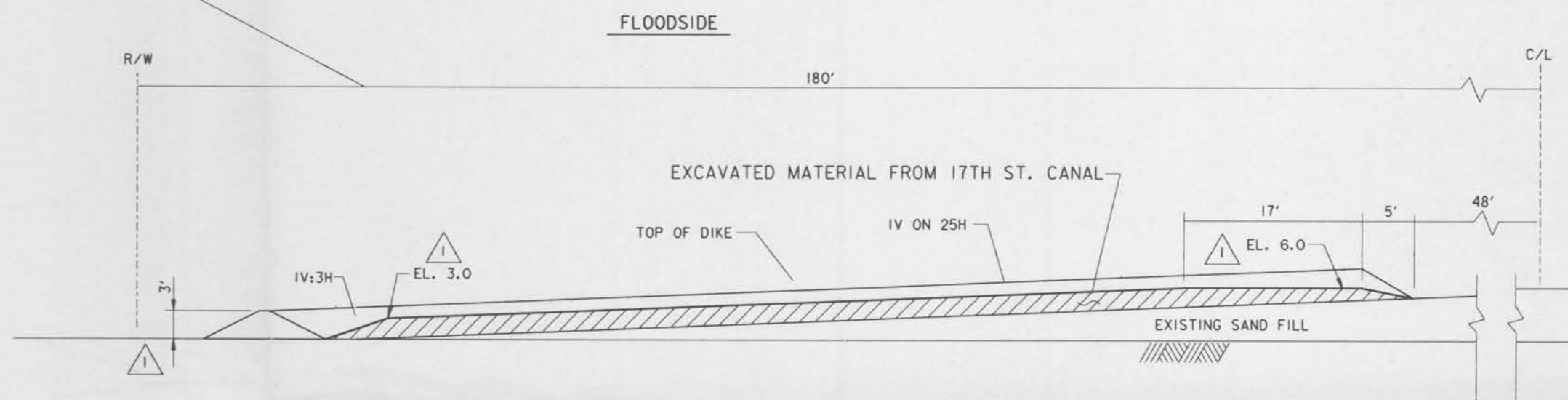


TYPICAL SECTION FOR STOCKPILE
NOT TO SCALE
C/L STAS. 203+88 TO 214+48

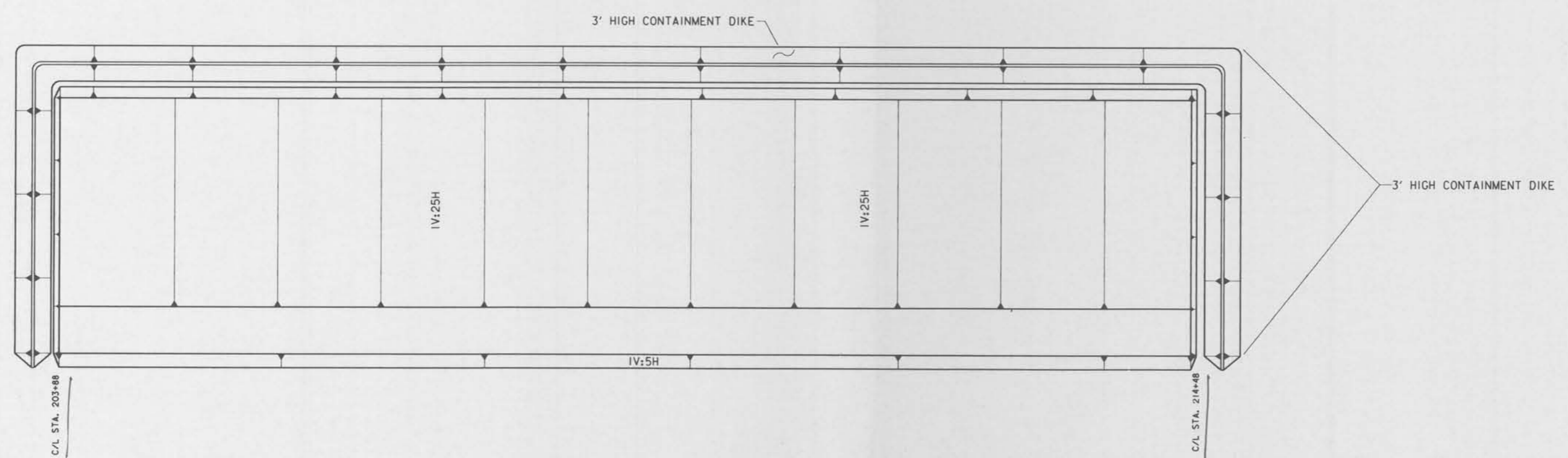


TYPICAL SECTION CONTAINMENT DIKE
NOT TO SCALE

NOTE:
CONSTRUCT 3' HIGH CONTAINMENT DIKE
AROUND OUTSIDE PERIMETER OF STOCKPILE AREA
PRIOR TO DUMPING EXCAVATED MATERIAL.



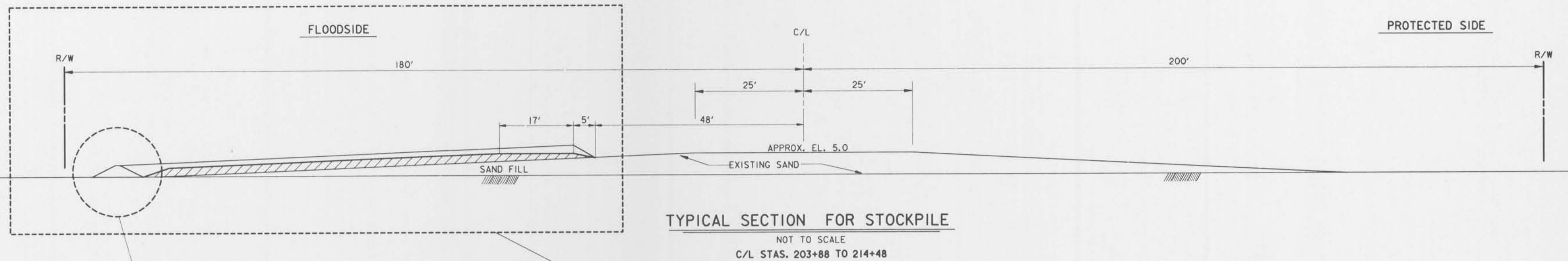
NOTE:
THE FINAL STOCKPILE SECTION SHALL
BE SHAPED AS SHOWN AFTER STOCKPILED
MATERIAL HAS COMPLETELY DRIED OUT.



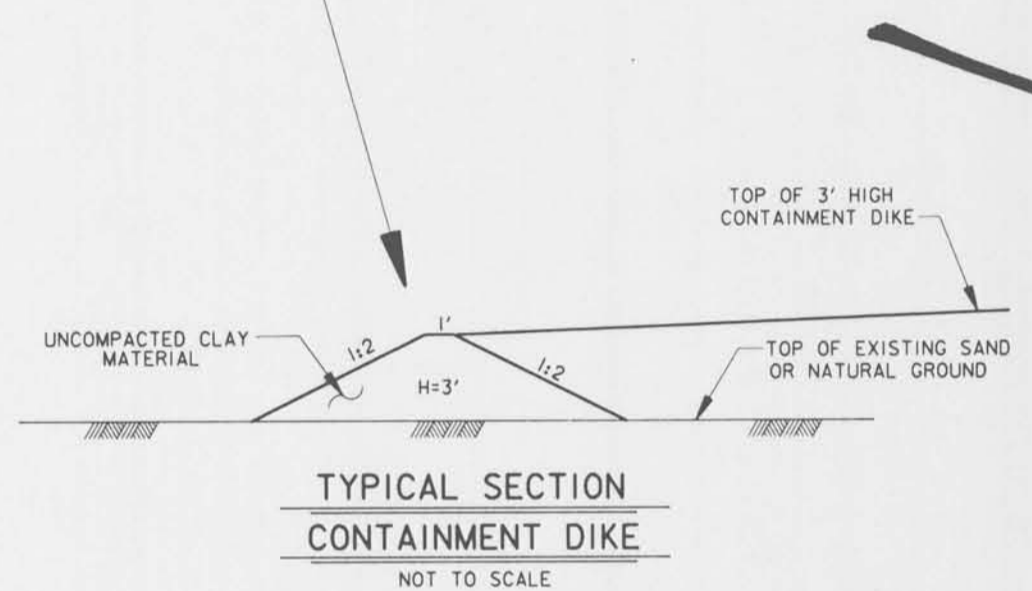
PLAN VIEW
NOT TO SCALE

1	REVISED SLOPE LINES IN PLAN VIEW AND ADDED EL. TO STOCKPILED MATERIAL. AMEND. NO. 1	7-10-95	M.D.
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
DREDGE DISPOSAL SITE CONTAINMENT DIKE			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 24	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMM4.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SOLICITATION NO. DACW29-95-B-0095		
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		DWG. 12A OF 79	



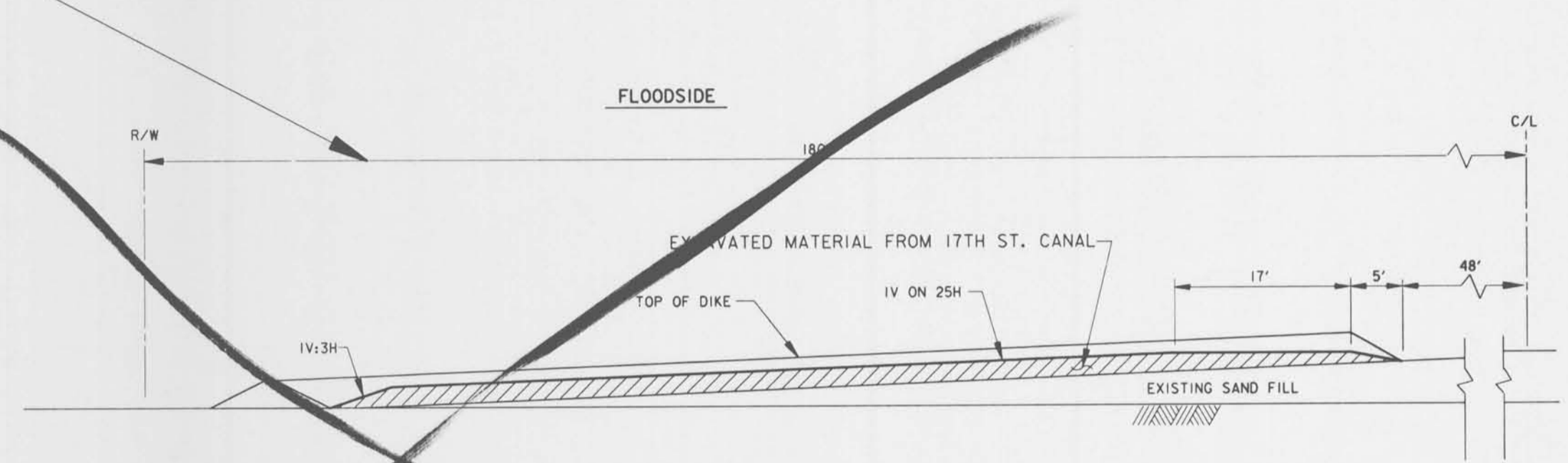


TYPICAL SECTION FOR STOCKPILE
NOT TO SCALE
C/L STAS. 203+88 TO 214+48

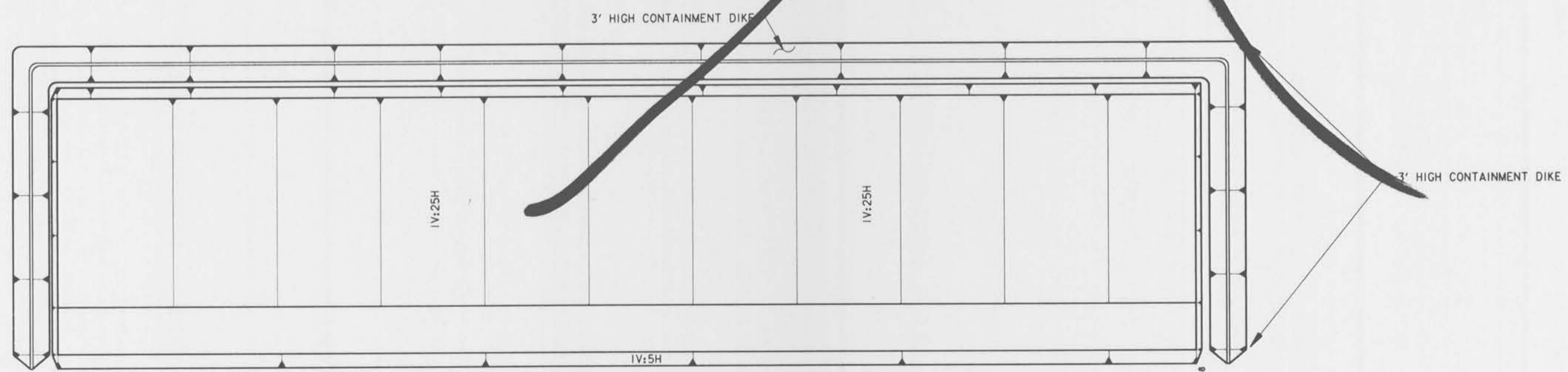


TYPICAL SECTION CONTAINMENT DIKE
NOT TO SCALE

NOTE:
CONSTRUCT 3' HIGH CONTAINMENT DIKE
AROUND OUTSIDE PERIMETER OF STOCKPILE AREA
PRIOR TO DUMPING EXCAVATED MATERIAL.



NOTE:
THE FINAL STOCKPILE SECTION SHALL
BE SHAPED AS SHOWN AFTER STOCKPILED
MATERIAL HAS COMPLETELY DRIED OUT.



PLAN VIEW
NOT TO SCALE

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
DREDGE DISPOSAL SITE CONTAINMENT DIKE			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 24	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMM4.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 12A OF 79
DESIGN ENGINEER			

Safety is a Part of Your Contract

NOTE: CEMETERY LOCATIONS WERE PROVIDED BY MIKE STOUT, PLANNING DIV. ON 12 AUG. 1987.

MISSISSIPPI RIVER

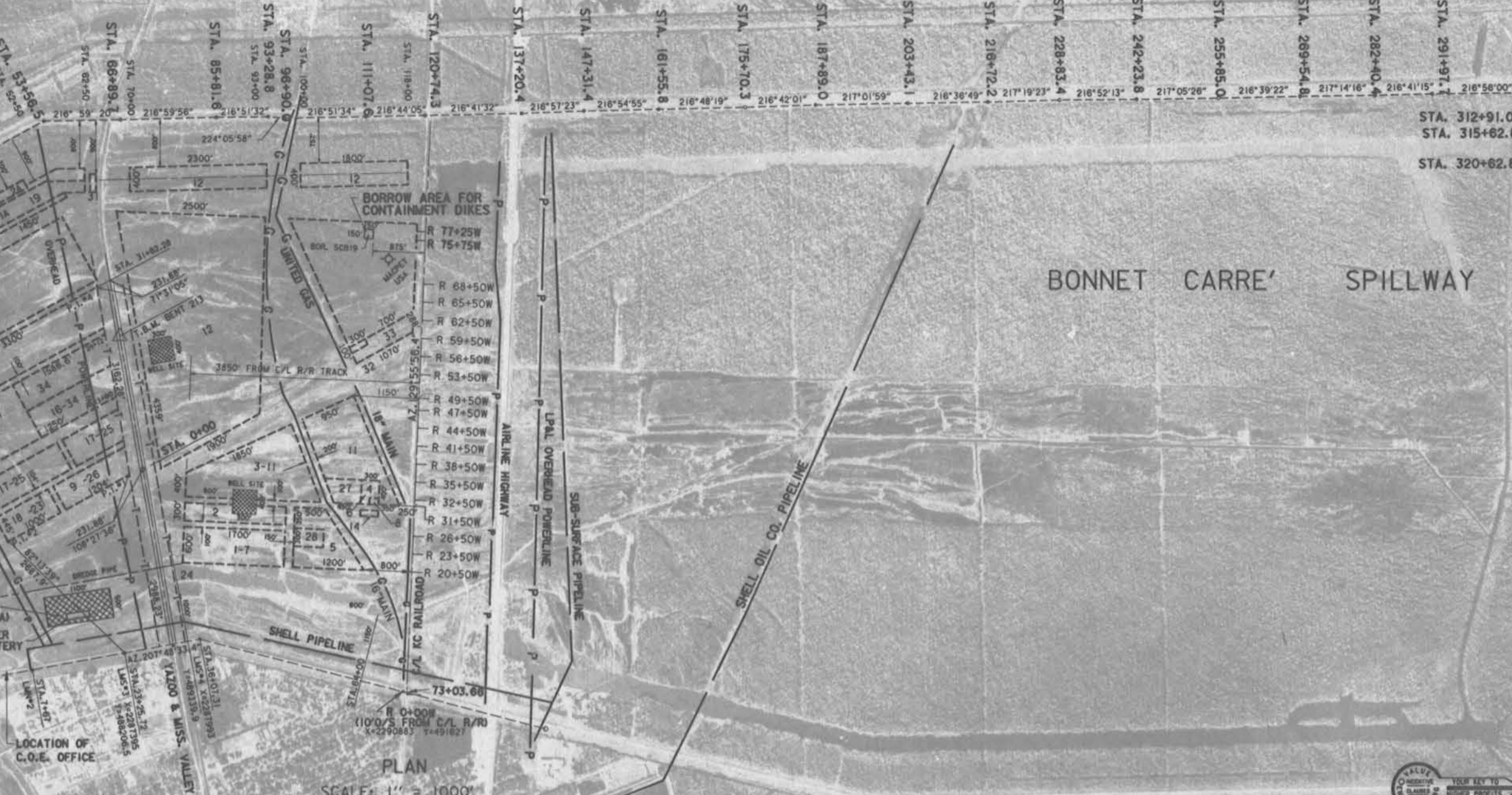
BUFFER ZONE (NO WORK AREA)

KUHLER CEMETERY (APPROX. LOCATION)

P.L.#1 X=2285106
Y=490111
P.L.#2 X=2284732
Y=487642
P.L.#3 X=2281771
Y=488330
P.L.#4 X=2282308
Y=491588

PBM. G-95 ELEVATION 28.3 (1976)

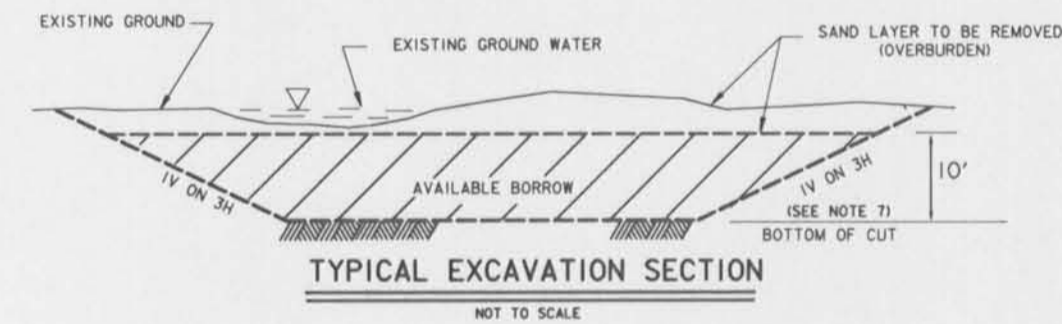
ABOUT 1.1 MILES WEST ALONG STATE HWY. 48 FROM THE JUNCTION OF GOOD HOPE ST. AT NORCO, SET ON THE TOP AND NEAR THE CENTER OF THE EAST CONCRETE ABUTMENT OF THE SPILLWAY WEIR FOR THE BONNET CARRE' SPILLWAY, BETWEEN TWO TRACKS 3.4 FEET NORTH OF THE NORTH RAIL OF THE SOUTH TRACK, 2.5 FEET SOUTHWEST OF BENCH MARK.



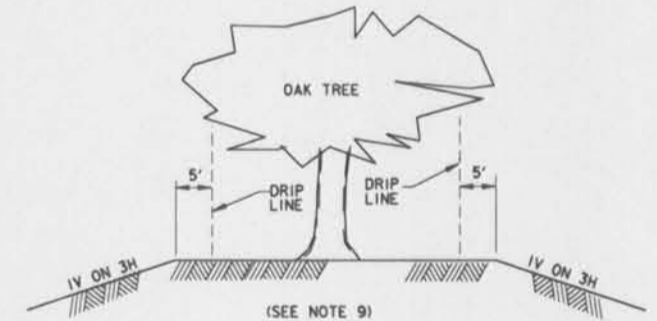
PLAN SCALE: 1" = 1000'

POLYCONIC PROJECTION - 1927 NORTH AMERICAN DATUM

CONTRACTOR FURNISHED own ALTERNATE BORROW PIT
(JOHNNY SMITH MARKED PIT SLIDELL LA)



TYPICAL EXCAVATION SECTION NOT TO SCALE



EXCAVATION IN VICINITY OF FLAGGED OAK TREES NOT TO SCALE

ELEVATIONS IN FEET N.G.V.D.

BOR. SCB19
STA. R76+50W
950 FT. SOUTH OF R.R. C/L
WATER TABLE 4.5 FT.
28JUL88

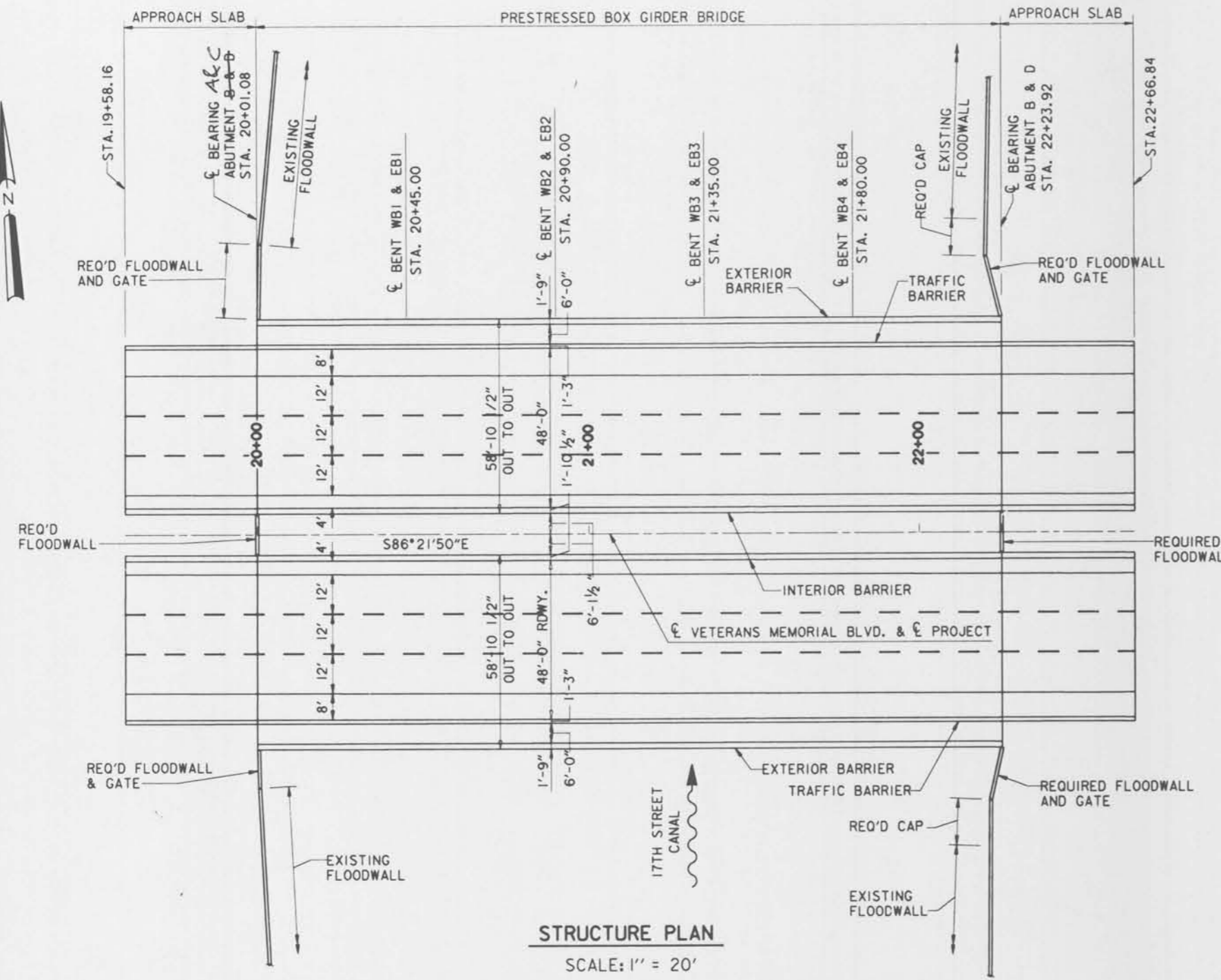
W OF D10	GROUND EL. S.70
26	CS, Wd, r1, Ox
26	CS, Wd, Ox
33	S1S, M, Ox
35	S1S, VSO, Ox
40	S1S, So, Wd, r1, Ox
130	VSO, S1S, Wd, r1, Ox
98	S1S, So, O, Wd, r1, Ox
140	So, S1S, Wd, r1, Ox
43	SS, VSO, r1, Ox
46	SS, VSO, r1, Ox
49	VSO, r1f, Ox
48	VSO, r1f, Ox
55	SS, VSO, r1f, Ox

ELEVATIONS IN FEET N.G.V.D.

- NOTES:
- FOR GENERAL NOTES, SEE DWG. 12.
 - ACCESS TO THE BORROW PIT LOCATION FROM AIRLINE HIGHWAY SHALL BE BY EXISTING DIRT ROADS LOCATED THROUGHOUT THE SPILLWAY.
 - NO EXCAVATION WITHIN 100 FEET OF POWER POLES.
 - SAND OVERBURDEN SHALL BE STOCKPILED PARALLEL TO THE SPILLWAY GUIDE LEVEE.
 - THE GOVERNMENT HAS THE RIGHT TO REQUIRE THE CONTRACTOR TO MOVE OUT OF THE SPILLWAY WITH A 10 DAY NOTICE.
 - SIDE SLOPES OF BORROW PIT SHALL NOT EXCEED 1V ON 3H.
 - EXCAVATION BELOW BOTTOM OF CUT IS NOT REQUIRED; HOWEVER, IF THE BORROW MATERIAL IS ACCEPTABLE BELOW THE BOTTOM OF CUT AND THE CONTRACTOR ELECTS TO EXCAVATE DEEPER, THE CONTRACTOR MAY DO SO IF APPROVED BY CONTRACTING OFFICER.
 - EXCAVATION WITHIN THE BORROW AREA SHALL BEGIN AT THE MOST SOUTHERN END OF THE PIT AND SHALL PROGRESS FULL WIDTH AND DEPTH TOWARD THE NORTH END. THE CONTRACTOR SHALL BEGIN EXCAVATION OPERATIONS IN AREAS ADJACENT TO PREVIOUSLY EXCAVATED PITS.
 - PRIOR TO CONSTRUCTION, CERTAIN EXISTING OAK TREES IN THE BORROW AREA SHALL BE ADEQUATELY MARKED WITH FLAGGING TO REMAIN UNDISTURBED. EXCAVATION AROUND THESE MARKED TREES SHALL BE AS DETAILED THIS DRAWING.
 - IN THE EVENT THE BORROW AREA CONTAINS STANDING WATER, THE CONTRACTOR SHALL DEWATER THE AREA PRIOR TO CLEARING/GRUBBING AND EXCAVATING THE AREA.
 - BORROW BORING LOG IS AVAILABLE UPON REQUEST.

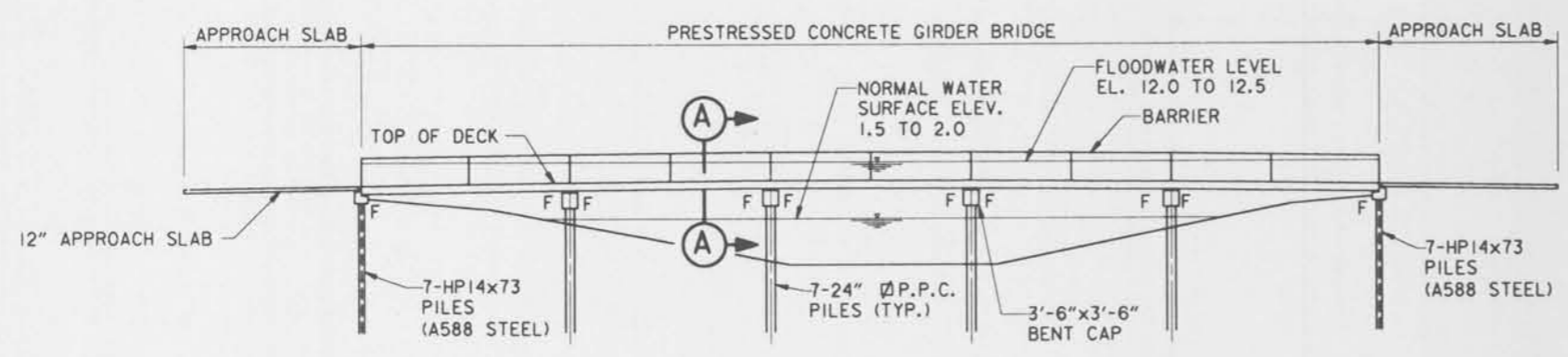
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODERST & MASTERS INC. NEW ORLEANS, LOUISIANA		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
DREDGE DISPOSAL SITE BORROW AREA			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 32	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMMS.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		
SOLICITATION NO. DACW29-95-B-0095		DWG. 13 OF 79	





STRUCTURE PLAN

SCALE: 1" = 20'

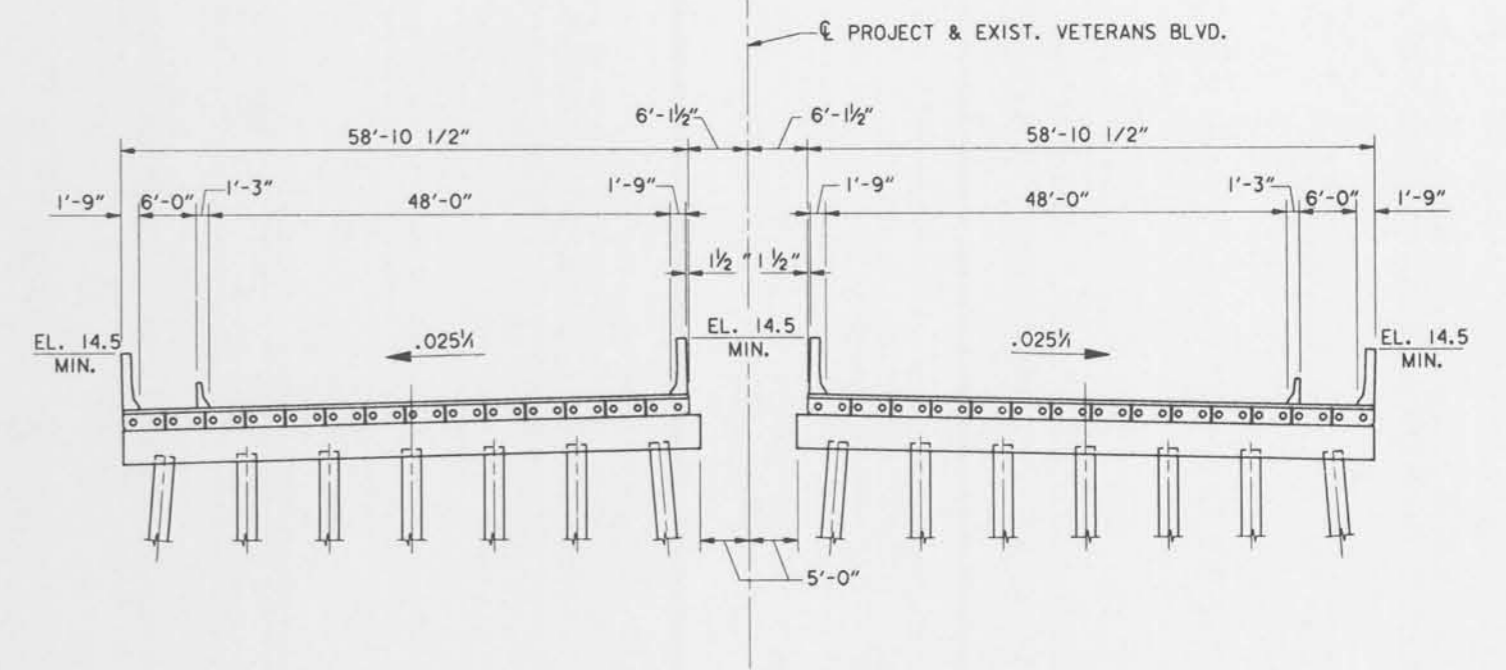


STRUCTURE ELEVATION

SCALE: 1" = 20'



F = FIXED END



**SECTION A-A
STRUCTURE SECTION**

SCALE: 1" = 10'



- STRUCTURE CONSTRUCTION SEQUENCE**
- PHASE 1**
1. DEMOLISH OUTER PORTIONS OF EXISTING BRIDGES.
 2. REMOVE FLOODWALL SHEET PILE AND CAP SHOWN AS TO BE REMOVED ON DEMOLITION PLAN.
- PHASE 2**
1. CONSTRUCT OUTER PORTIONS OF REQUIRED CONCRETE BOX GIRDER BRIDGES.
 2. EPOXY GROUT ALL SHEAR KEYS.
 3. INSTALL TIE RODS.
 4. POUR OUTER PORTIONS OF DIAPHRAGMS BETWEEN GIRDER ENDS.
 5. CONSTRUCT EXTERIOR BARRIERS.
 6. INSTALL ABUTMENT/APPROACH SLAB BLOCKS.
- PHASE 3**
1. REMOVE REMAINING PORTIONS OF EXISTING BRIDGES.
 2. CONSTRUCT REMAINING PORTIONS OF REQUIRED CONCRETE BOX GIRDER BRIDGES.
 3. EPOXY GROUT SHEAR KEYS.
 4. INSTALL TIE ROD COUPLERS AND REMAINING TIE RODS.
 5. POUR REMAINING PORTIONS OF DIAPHRAGMS BETWEEN GIRDER ENDS.
 6. CONSTRUCT INTERIOR BARRIERS.
 7. ON EAST BOUND BRIDGE, INSTALL ABUTMENT/APPROACH SLAB BLOCKS.
- PHASE 4**
1. ON WESTBOUND BRIDGE:
 - A. PLACE 5" MIN. C.I.P. SLAB.
 - B. CONSTRUCT TRAFFIC BARRIER AND BICYCLE RAILING BETWEEN ROADWAY AND SIDEWALK.
 - C. CONSTRUCT APPROACH SLABS.
 - D. OVERLAY EXISTING ROADWAY FOR GRADE ADJUSTMENT.
- PHASE 5**
1. ON EASTBOUND BRIDGE:
 - A. PLACE 5" MIN. C.I.P. SLAB.
 - B. CONSTRUCT TRAFFIC BARRIER AND BICYCLE RAILING BETWEEN ROADWAY AND SIDEWALK.
 - C. CONSTRUCT APPROACH SLABS.
 - D. OVERLAY EXISTING ROADWAY FOR GRADE ADJUSTMENT.
- PHASE 6**
1. INSTALL PERMANENT PAVEMENT MARKINGS.
 2. CONSTRUCT FLOODWALLS AND FLOODGATES.

DELETE

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR GENERAL PLAN, SEE DWG. NO. 3.
 FOR FLOODWALL LAYOUT AND PLAN, SEE DWG. NO. 19.

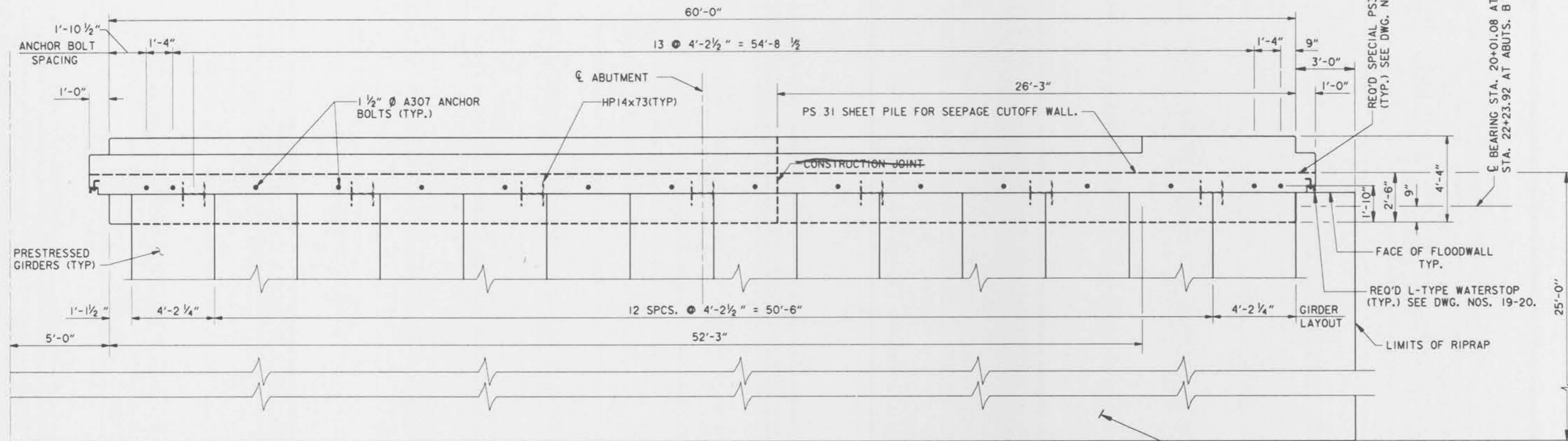
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC.		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES STRUCTURE PLAN AND ELEVATION			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM01.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 14 OF 79
DESIGN ENGINEER			

**Safety is a Part
of Your Contract**



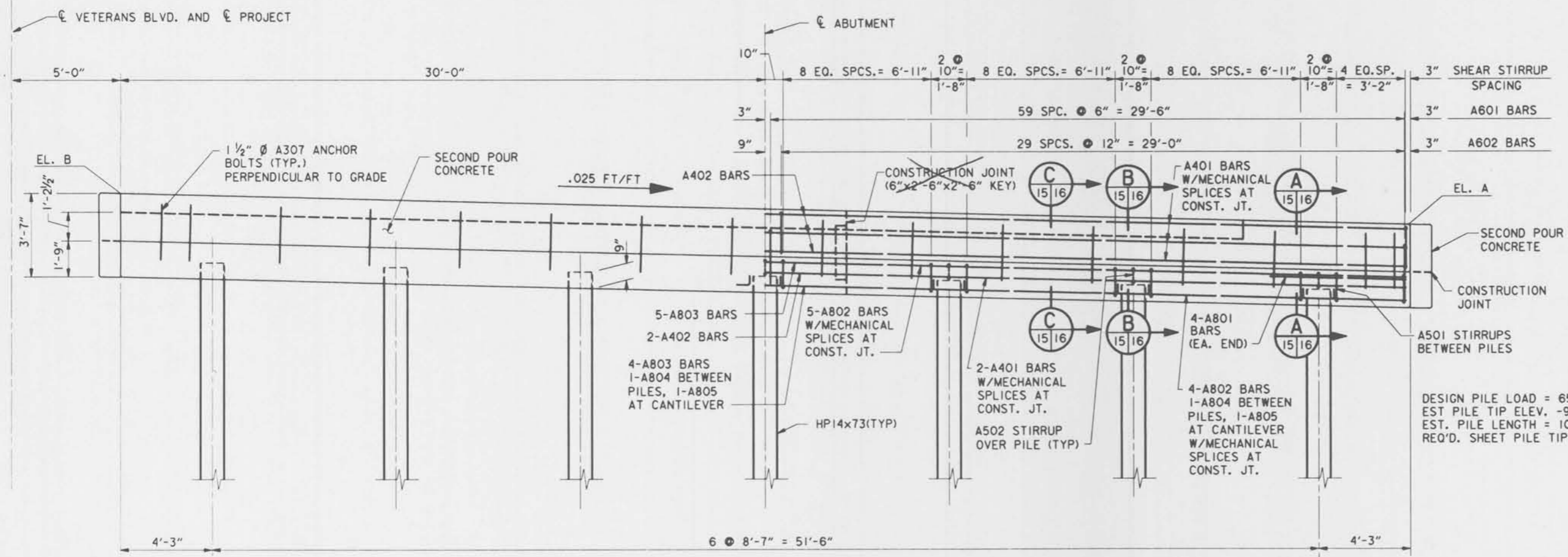
PROJECT NO. 1711004420

Safety is a Part of Your Contract



PLAN
(SYMMETRICAL ABOUT \bar{C} PROJECT)
(ABUTMENT A SHOWN-OTHERS SIMILAR)
SCALE: $\frac{3}{8}'' = 1' - 0''$

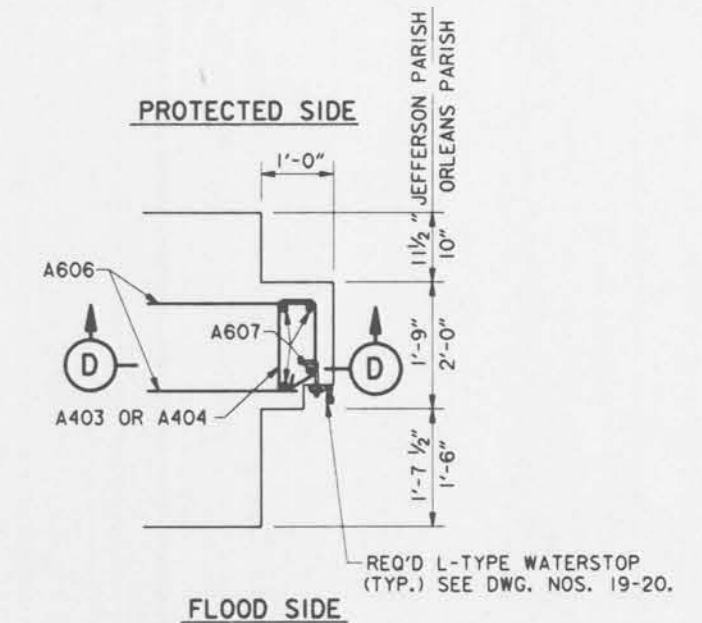
NOTE:
EXISTING ABUTMENT AND PILING
NOT SHOWN FOR CLARITY.



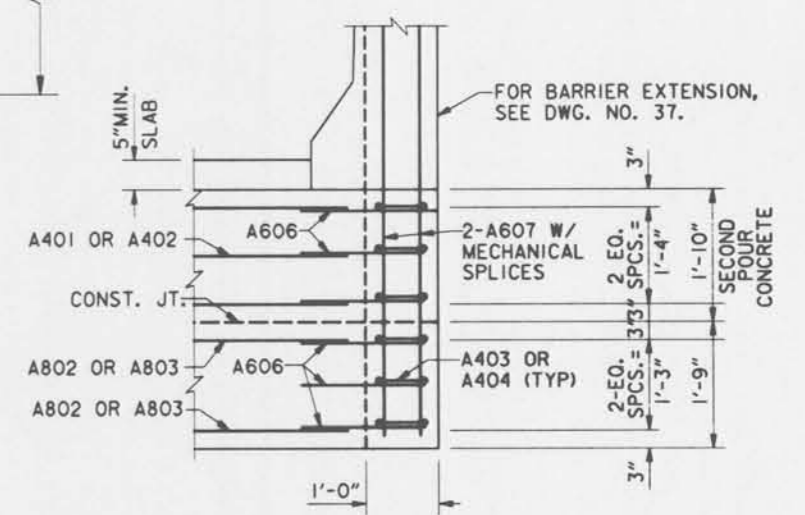
ELEVATION
(SYMMETRICAL ABOUT \bar{C} PROJECT)
SCALE: $\frac{3}{8}'' = 1' - 0''$

NOTE:
PRESTRESSED GIRDERS AND SHEET PILE
NOT SHOWN IN ELEVATION VIEW.

NOTES:
TOPS OF SHEET PILES UNDER EXIST.
ABUTMENTS (APPROX. STA. 19+97.83 AND
STA. 22+28.17) TO BE CUT OFF AT EL. 3.0.



ABUTMENT EXTENSION PLAN
SCALE: $\frac{3}{4}'' = 1' - 0''$



SECTION D
SCALE: $\frac{3}{4}'' = 1' - 0''$

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR STRUCTURE PLAN AND ELEVATION,
SEE DWG. NO. 14.
SECOND POUR CONCRETE SHALL BE PLACED
AFTER PRECAST PRESTRESSED CONCRETE GIRDERS
ARE IN PLACE.
FOR REINFORCING SCHEDULE, SEE DWG. NO. 39.

DESIGN PILE LOAD = 65T
EST PILE TIP ELEV. = -95.0' N.G.V.D.
EST. PILE LENGTH = 101.5'
REQ'D. SHEET PILE TIP ELEV. = -3.0 OR -6.3 N.G.V.D.

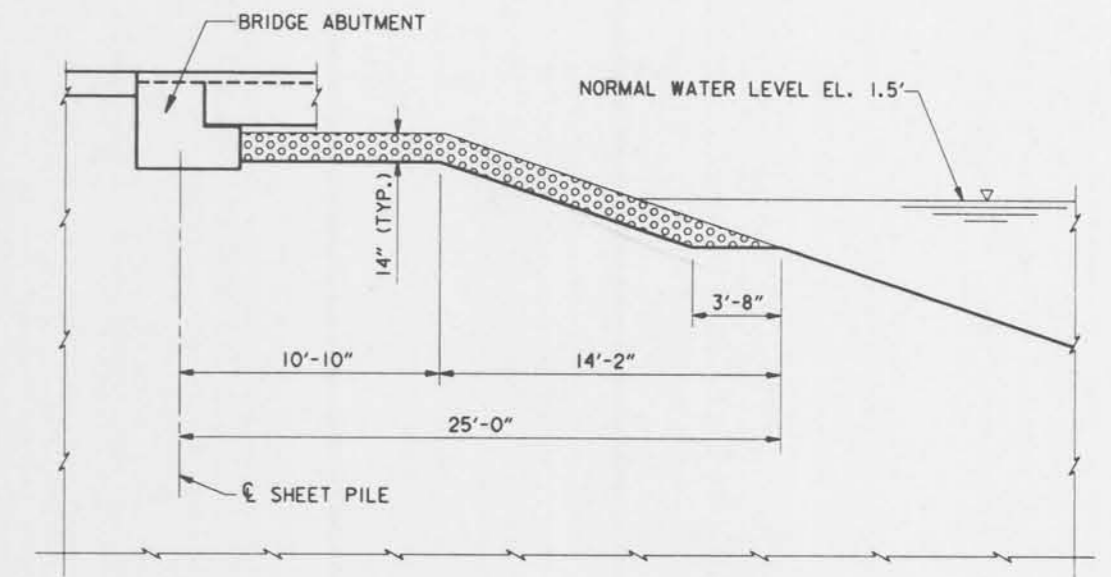
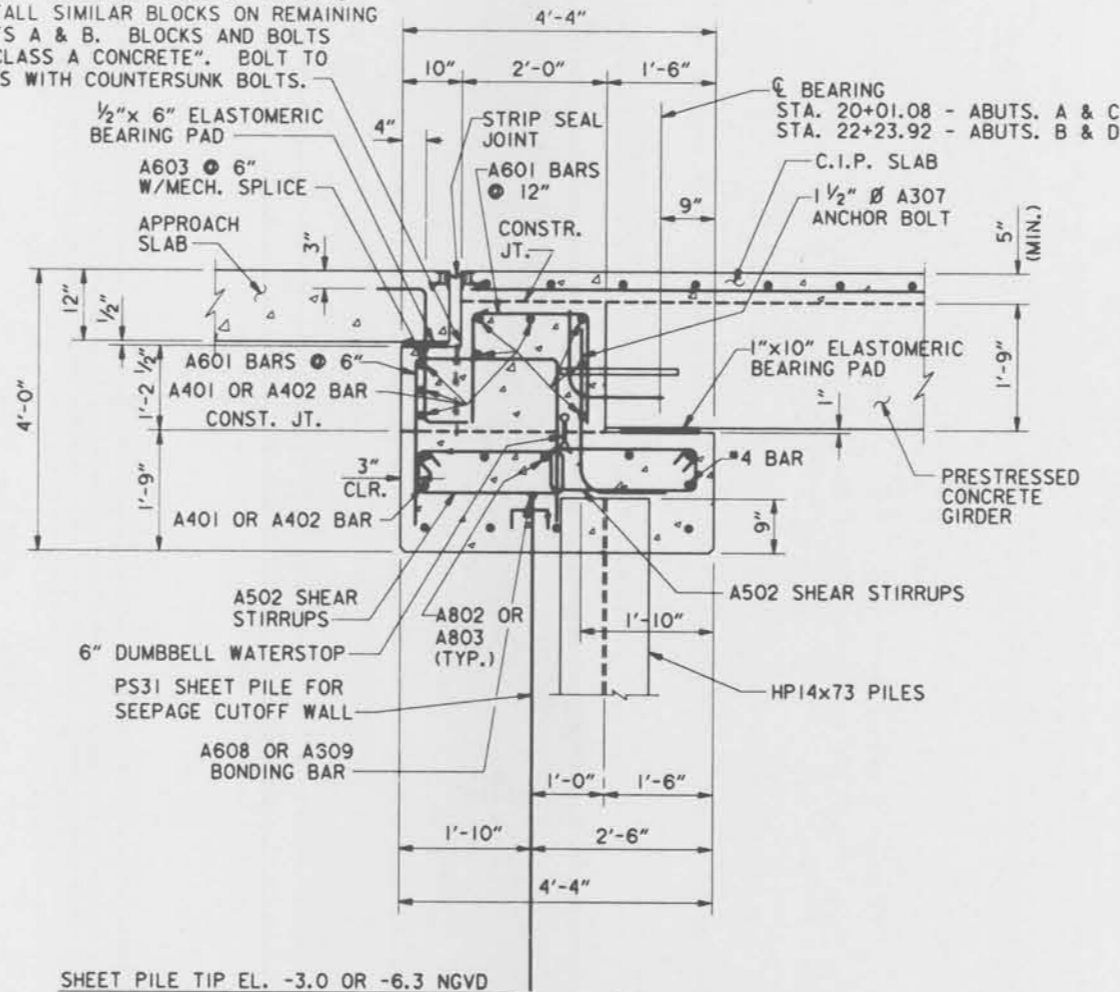
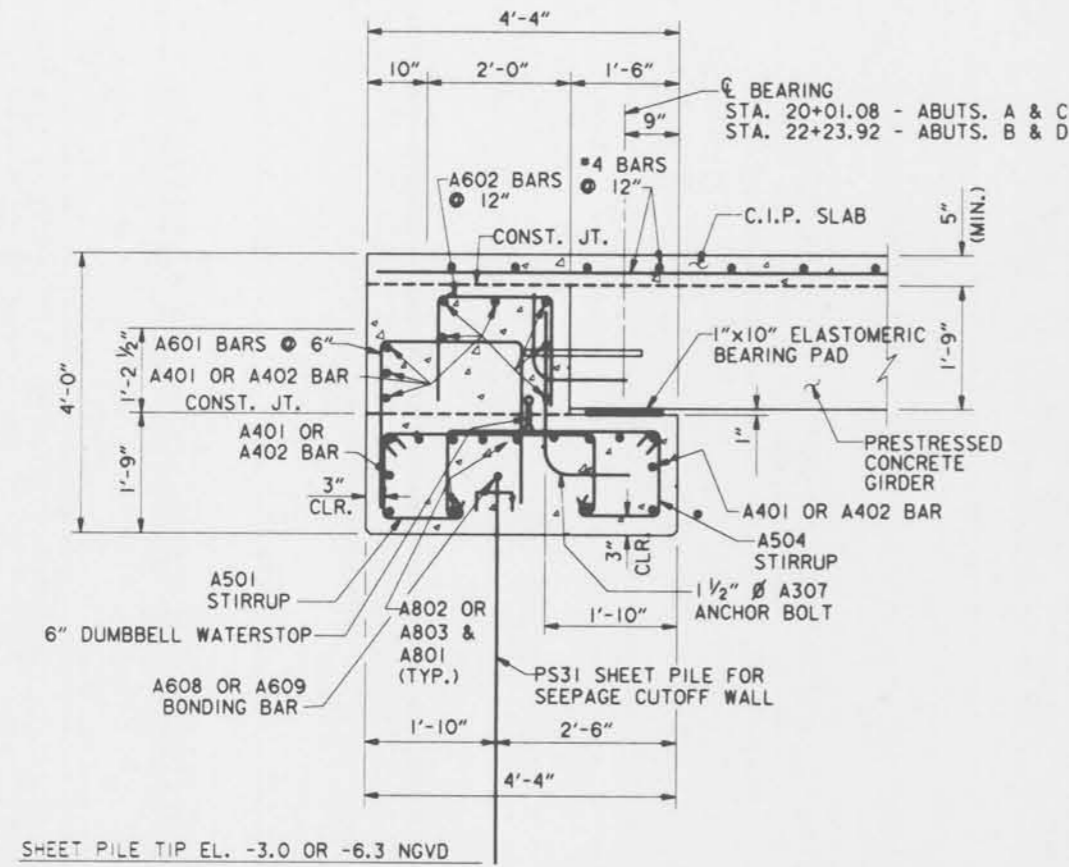
ABUTMENT	\bar{C} BRG. STATION	EL. A	EL. B
A	20+01.08 W'BND	8.10	9.60
B	22+23.92 W'BND	8.05	9.55
C	20+01.08 E'BND	8.10	9.60
D	22+23.92 E'BND	8.05	9.55

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES ABUTMENT DETAILS-1			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 32	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MMI.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095		DWG. 15 OF 79

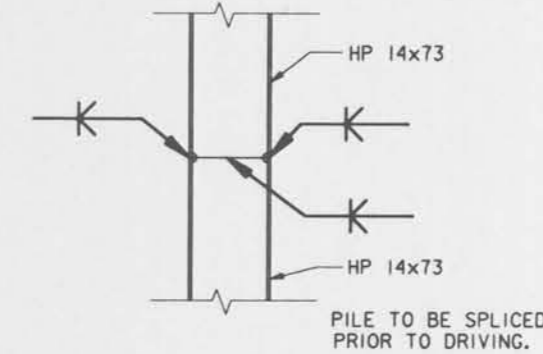
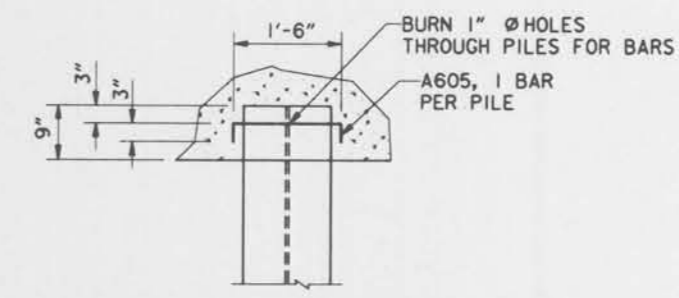
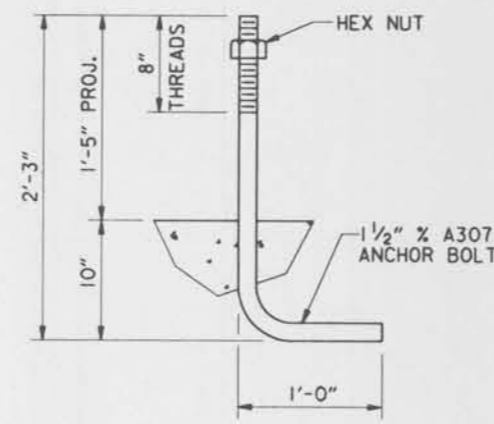
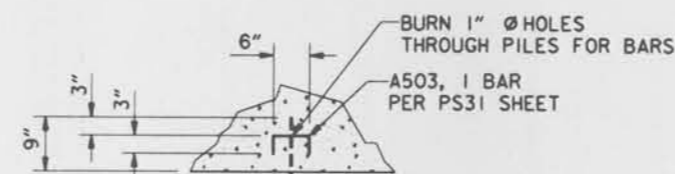
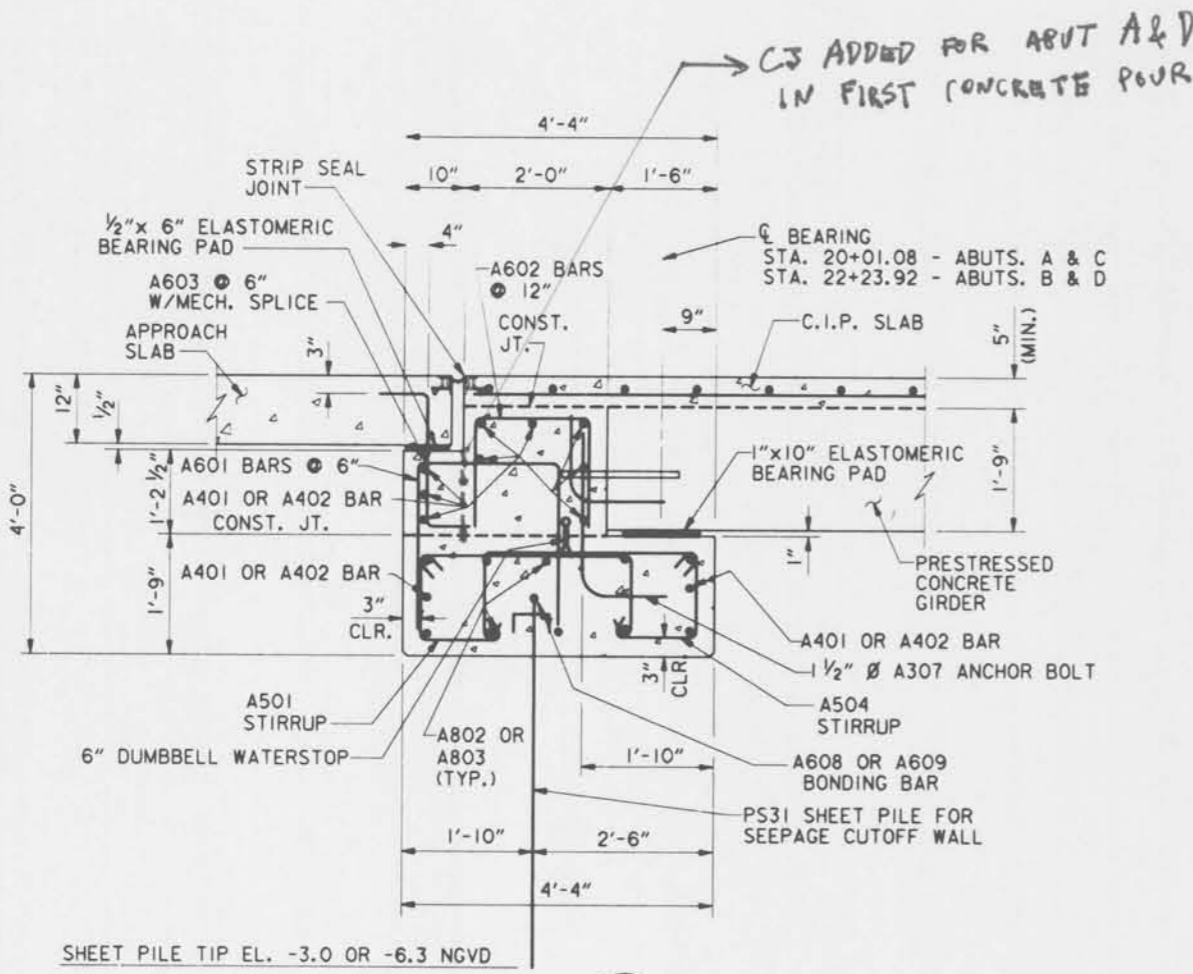


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DURING PHASE 2, INSTALL TEMPORARY 10"x7" WOODEN BLOCKS, OVER WIDTH OF ABUTMENT USED BY TRAFFIC DURING PHASE 4, INSTALL SIMILAR BLOCKS ON REMAINING LENGTHS OF ABUTMENTS A & B. BLOCKS AND BOLTS ARE INCIDENTAL TO "CLASS A CONCRETE". BOLT TO MECHANICAL FASTENERS WITH COUNTERSUNK BOLTS.

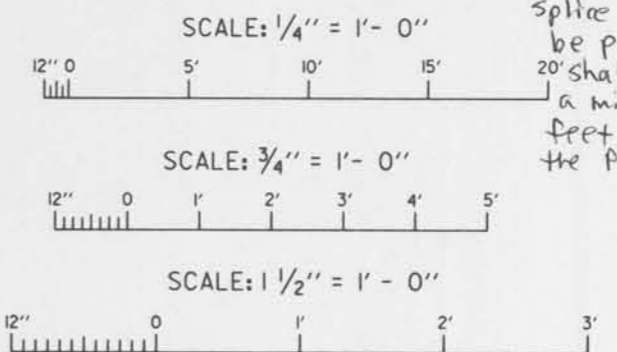


NOTE: JEFFERSON SIDE SHOWN ORLEANS SIDE SIMILAR



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR STRUCTURE PLAN AND ELEVATION, SEE DWG. NO. 14.
FOR APPROACH SLAB BEARING DETAILS, SEE DWG. NO. 32.
FOR REINFORCING BAR SCHEDULE, SEE DWG. NO. 39.
FOR BEARING PAD DETAILS, SEE DWG. NO. 36.

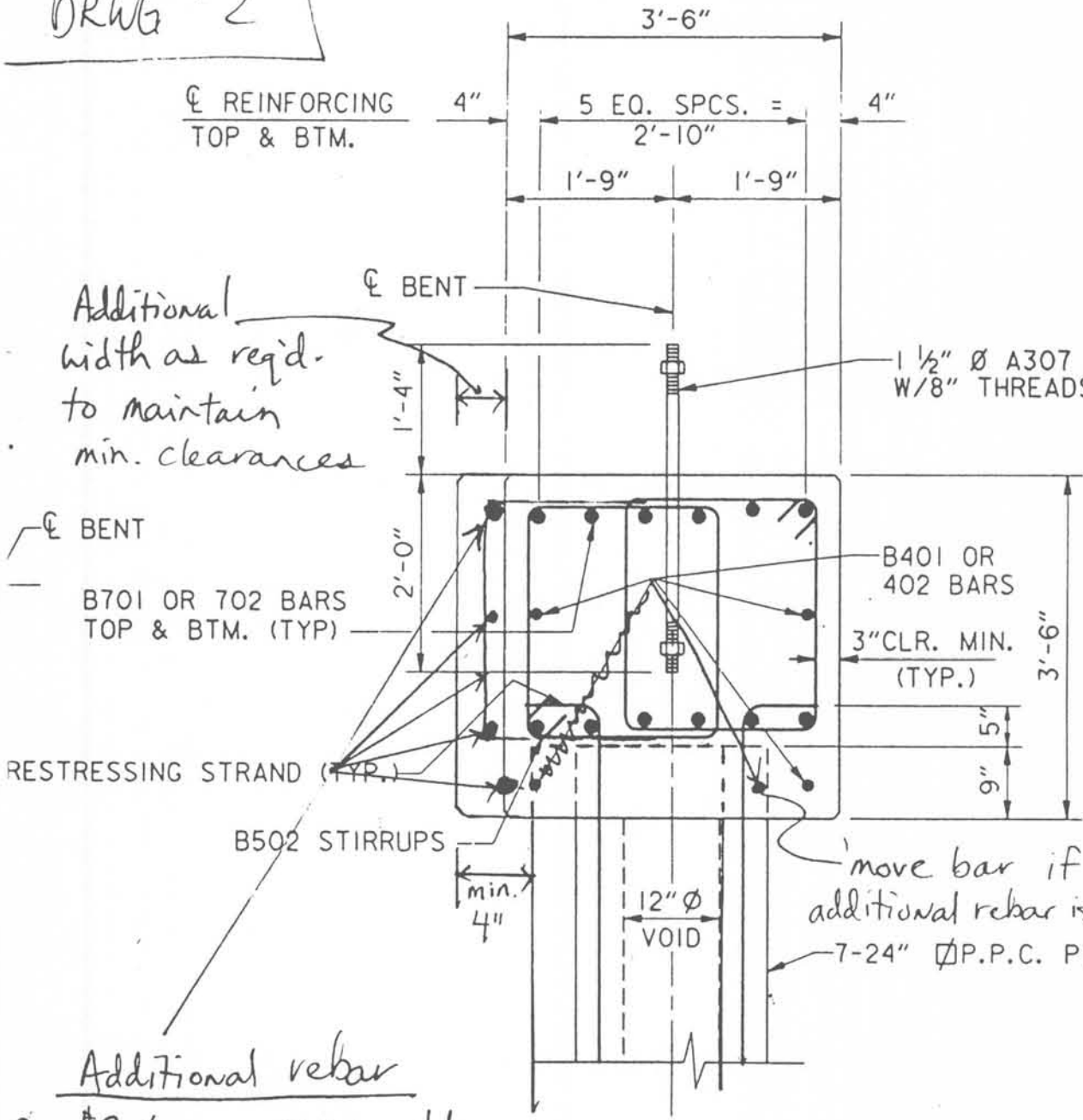
NOTE: The Contractor may use web and flange guide plates at no cost to the government. Only one splice per pile shall be permitted. Splice shall be located a minimum of 40 feet below the pile cutoff elev.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES ABUTMENT DETAILS-2			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 16	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CARD FILE: MM2.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 16 OF 79	



DRWG #2

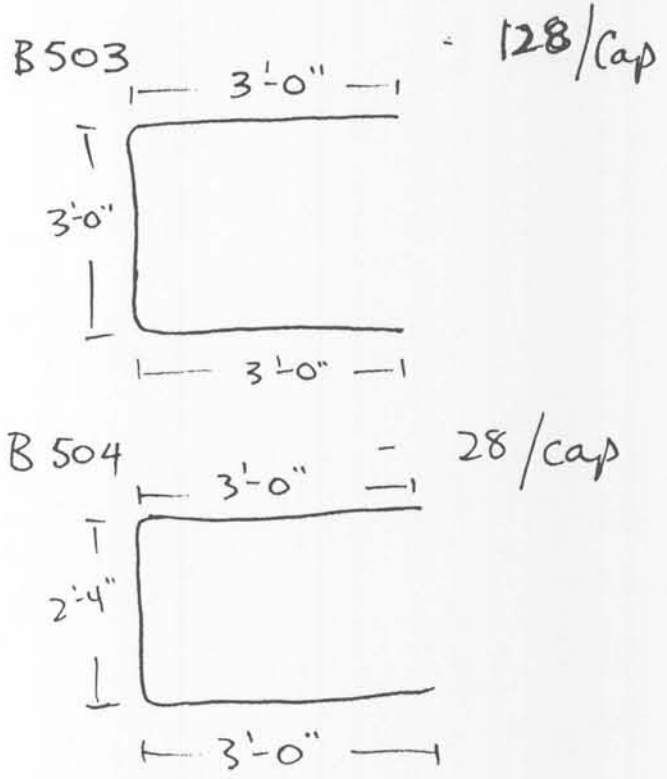


* EXTRA REBAR REQUIRED IF CAP IS WIDENED BY MORE THAN 3"

Additional width as req'd. to maintain min. clearances

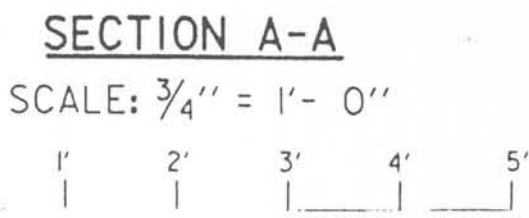
1 1/2" Ø A307 ANCHOR BOLTS W/ 7/8" THREADS AND HEX NUT.

BAR DETAILS:



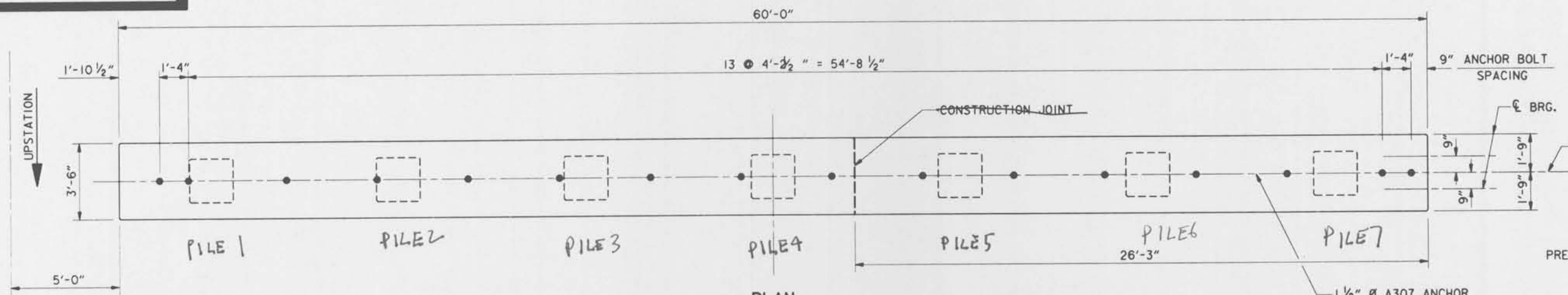
Additional rebar

- 2 - #7 bars Full length
- 2 - #4 bars Full length
- 03 - #5 stirrups at 12" spacing

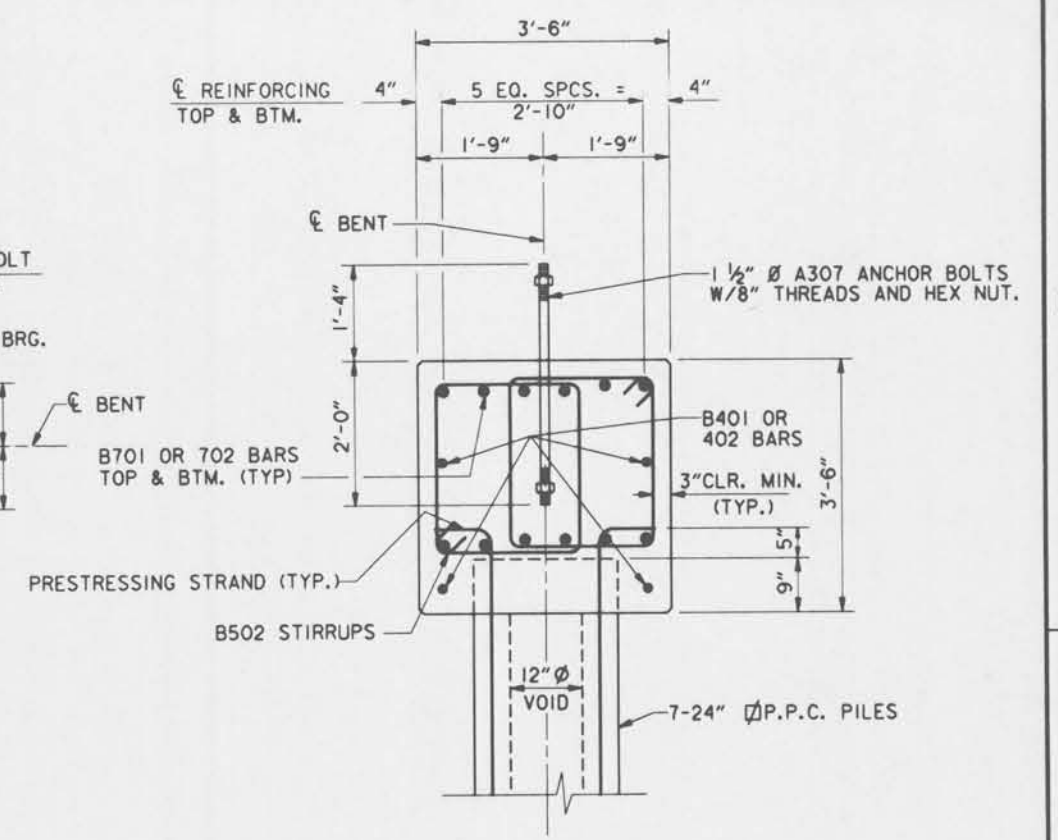


move bar if additional rebar is req'd.
7-24" Ø P.P.C. PILES

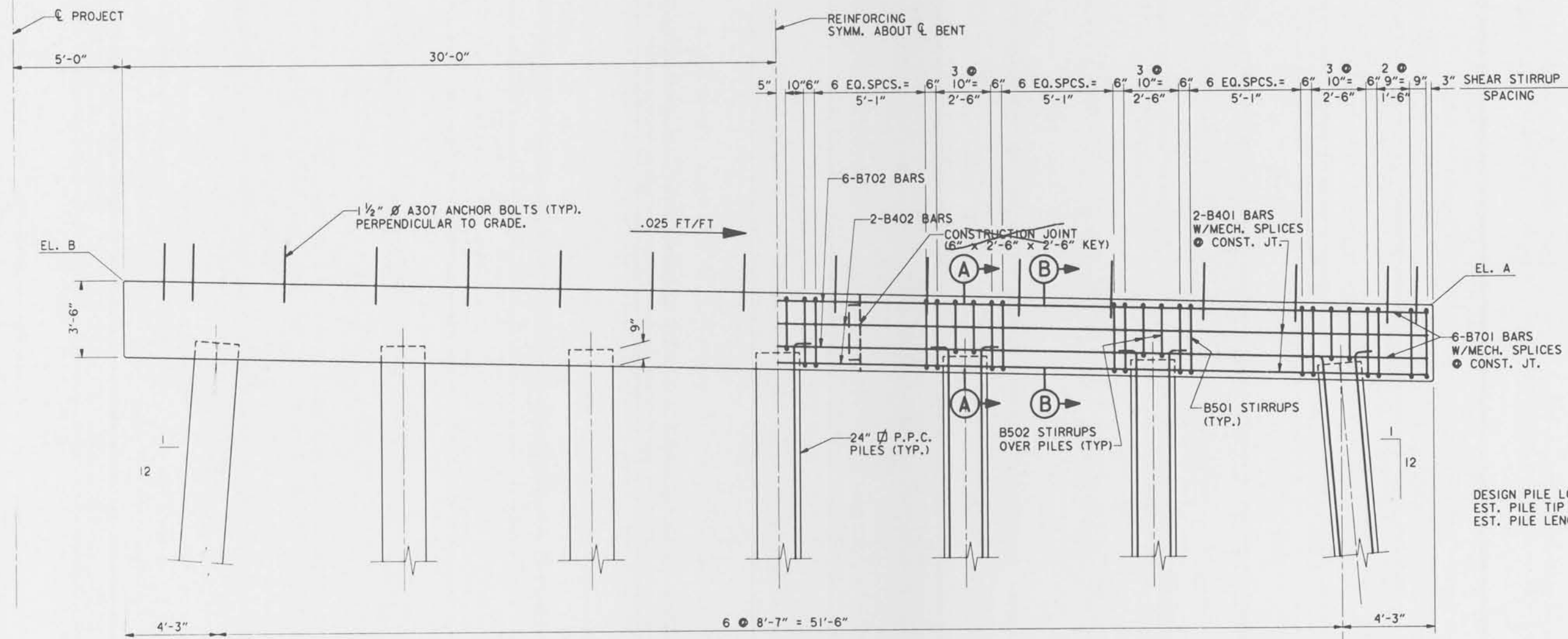
Safety is a Part of Your Contract



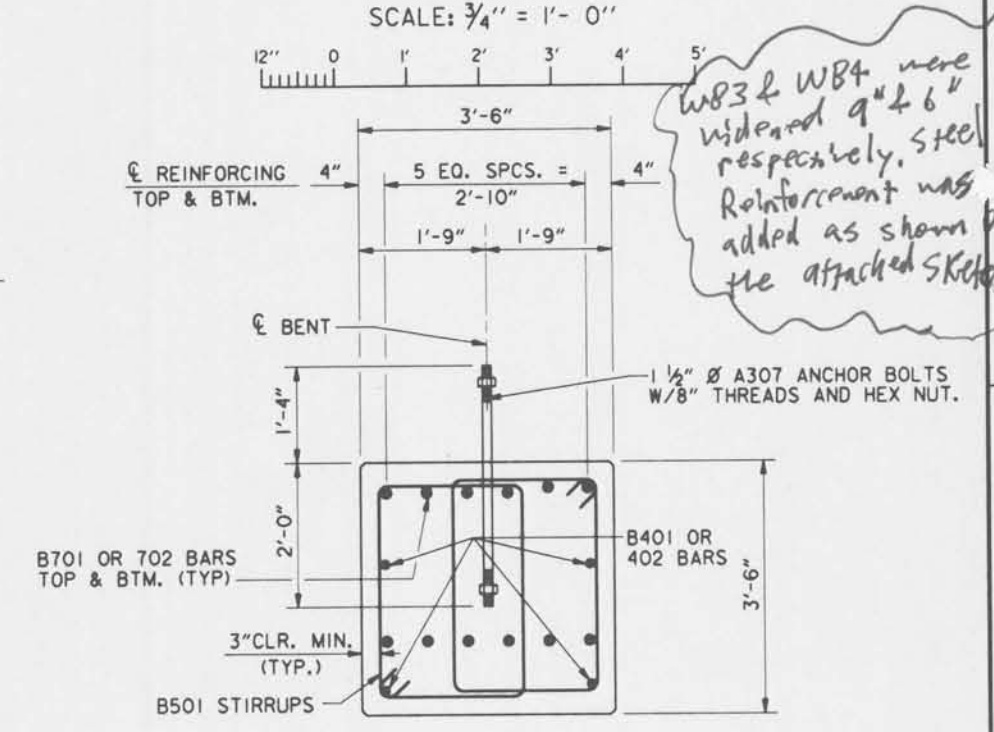
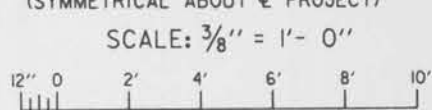
PLAN
(SYMMETRICAL ABOUT \bar{C} PROJECT)
(WESTBOUND BENTS SHOWN)



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



ELEVATION
(SYMMETRICAL ABOUT \bar{C} PROJECT)



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

DESIGN PILE LOAD = 119T
EST. PILE TIP ELEV. = -95.0' N.G.V.D.
EST. PILE LENGTH = 100.5'

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR STRUCTURE PLAN AND ELEVATION, SEE DWG. NO. 14.
FOR REINFORCING SCHEDULE, SEE DWG. NO. 40.

BENT	\bar{C} STATION	EL. A	EL. B
EB1	20+45.00	6.60	8.10
EB2	20+90.00	6.75	8.25
EB3	21+35.00	6.74	8.24
EB4	21+80.00	6.60	8.10
WB1	20+45.00	6.60	8.10
WB2	20+90.00	6.75	8.25
WB3	21+35.00	6.74	8.24
WB4	21+80.00	6.60	8.10

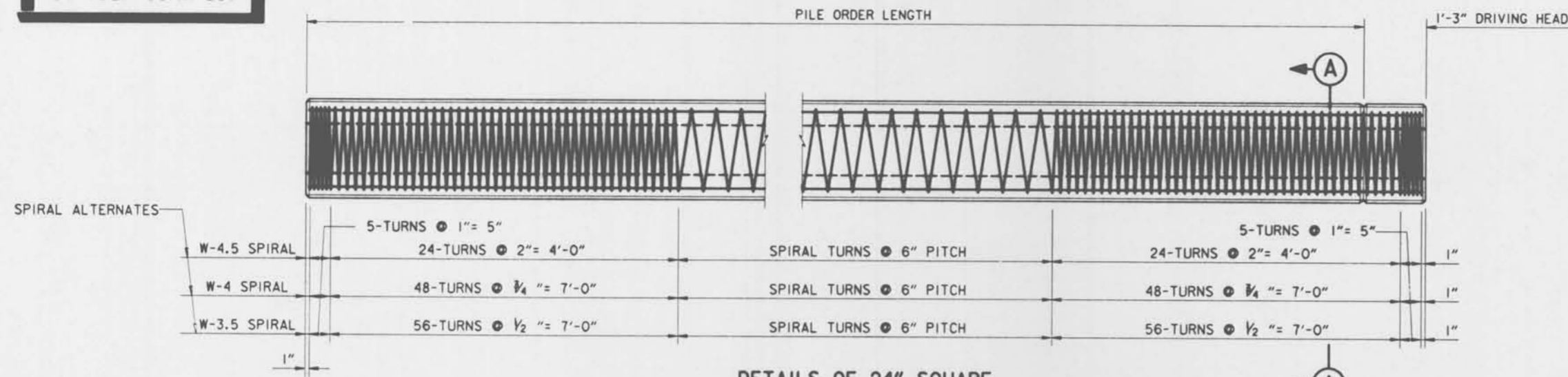
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES BENT DETAILS			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 32	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM3.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 17 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



Pile	West Bent	West Bent	West Bent	West Bent
	No. 1 TIP ELEV	No. 2 TIP ELEV	No. 3 TIP ELEV	No. 4 TIP ELEV
1-	-89.8	-89.0	-89.00	-89.00
2-	-88.7	-87.9	-88.50	-88.90
3-	-88.8	-87.9	-87.90	-87.50
4-	-88.3	-88.6	-84.60	-88.50
5-	-88.3	-88.6	-89.60	-88.30
6-	-88.4	-88.9	-89.00	-89.00
7-	-88.3	-88.6	-90.66	-89.25

Pile	East Bent	East Bent	East Bent	East Bent
	No. 1 TIP ELEV	No. 2 TIP ELEV	No. 3 TIP ELEV	No. 4 TIP ELEV
1-	-88.50	-88.30	-87.30	-87.80
2-	-88.20	-87.80	-88.42	-88.00
3-	-88.00	-88.20	-88.42	-88.50
4-	-88.00	-88.50	-88.17	-88.75
5-	-88.00	-88.27	-88.00	-88.00
6-	-88.00	-87.20	-88.25	-88.33
7-	-88.00	-88.10	-89.0	-89.63

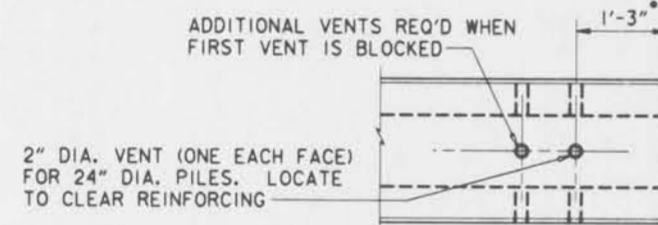
Safety is a Part of Your Contract



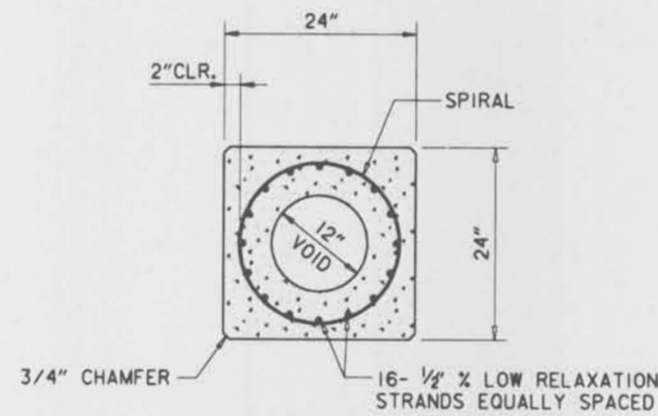
DETAILS OF 24" SQUARE PRECAST, PRESTRESSED CONCRETE PILES

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

NOTE:
DRIVING HEAD CONCRETE AND SPIRAL TIES TO BE REMOVED AFTER DRIVING.
BEND PRESTRESSING STRANDS AS SHOWN ON BENT DRAWINGS TO ANCHOR PILE INTO CAPS. (NO DIRECT PAYMENT).



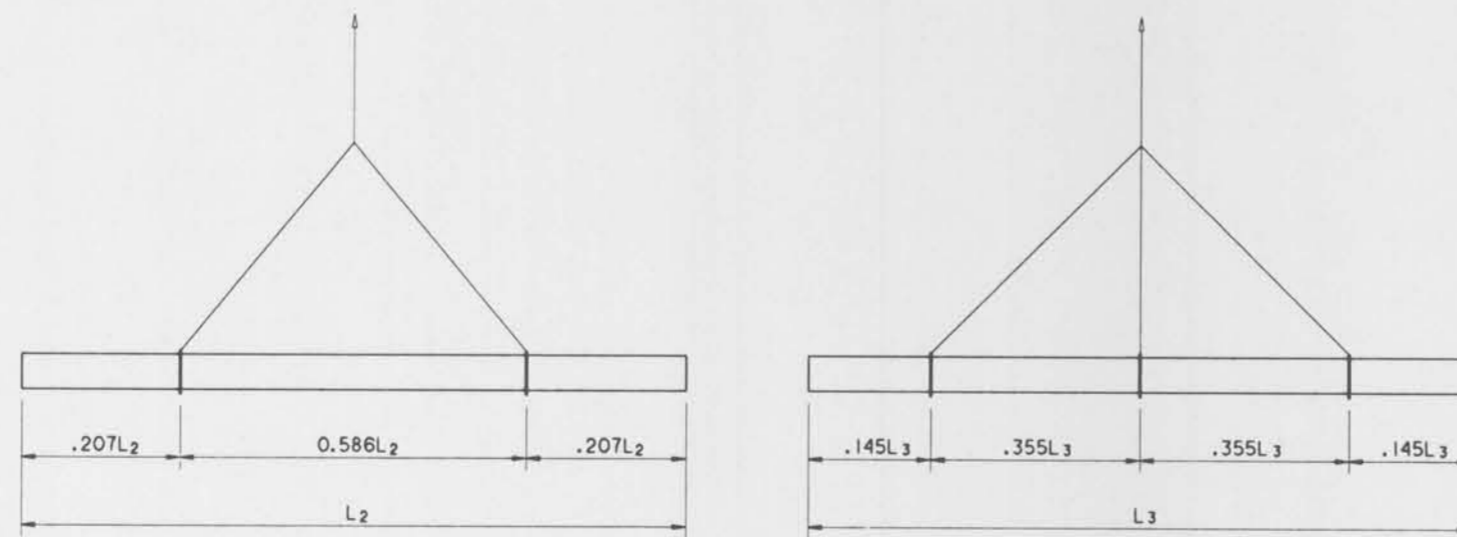
DETAIL OF PILE HEAD (SHOWING LOCATION OF VENTS)
SCALE: 3/4" = 1'-0"



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

PILE SCHEDULE						
BENT	STATION	NO. VERTICAL PILES	ORDER LENGTH*	NO. BATTER PILES	BATTER	ORDER LENGTH*
WB1	20+45	5	100.5'	2	1:12	100.85'
WB2	20+90	5	100.5'	2	1:12	100.85'
WB3	21+35	5	100.5'	2	1:12	100.85'
WB4	21+80	5	100.5'	2	1:12	100.85'
EB1	20+45	5	100.5'	2	1:12	100.85'
EB2	20+90	5	100.5'	2	1:12	100.85'
EB3	21+35	5	100.5'	2	1:12	100.85'
EB4	21+80	5	100.5'	2	1:12	100.85'

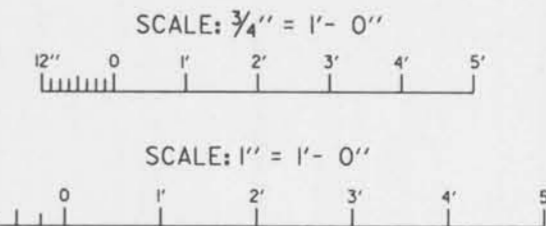
*FOR ESTIMATING PURPOSES ONLY. EXACT LENGTHS TO BE DETERMINED BASED ON PILE LOAD TESTS.



PILE PICK-UP DETAILS

SCALE: N. T. S.

MAX. LENGTH FOR 2-POINT PICK-UP = 127'
MAX. LENGTH FOR 3-POINT PICK-UP = 188'

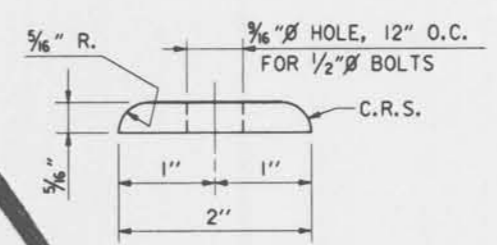
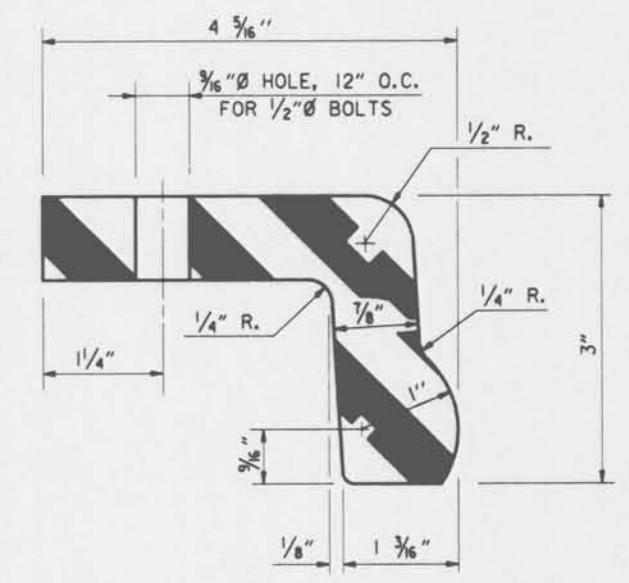
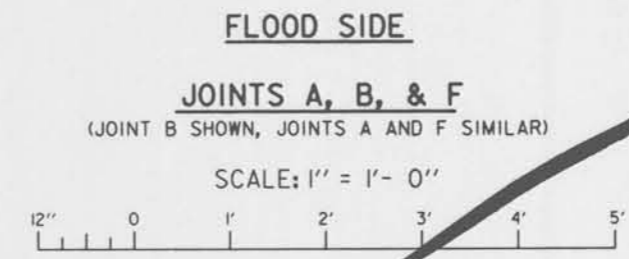
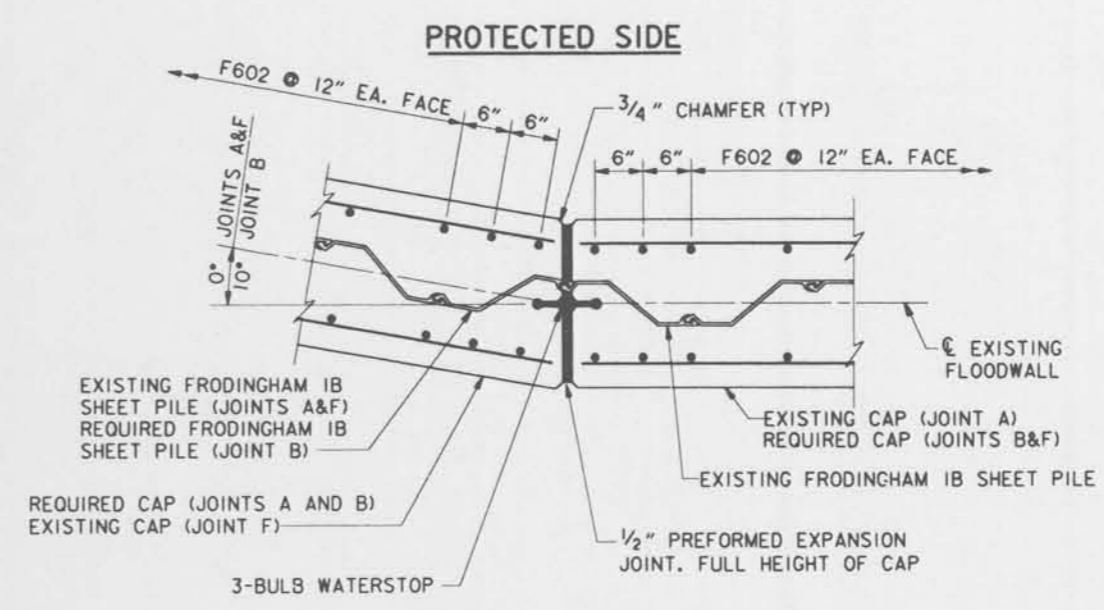
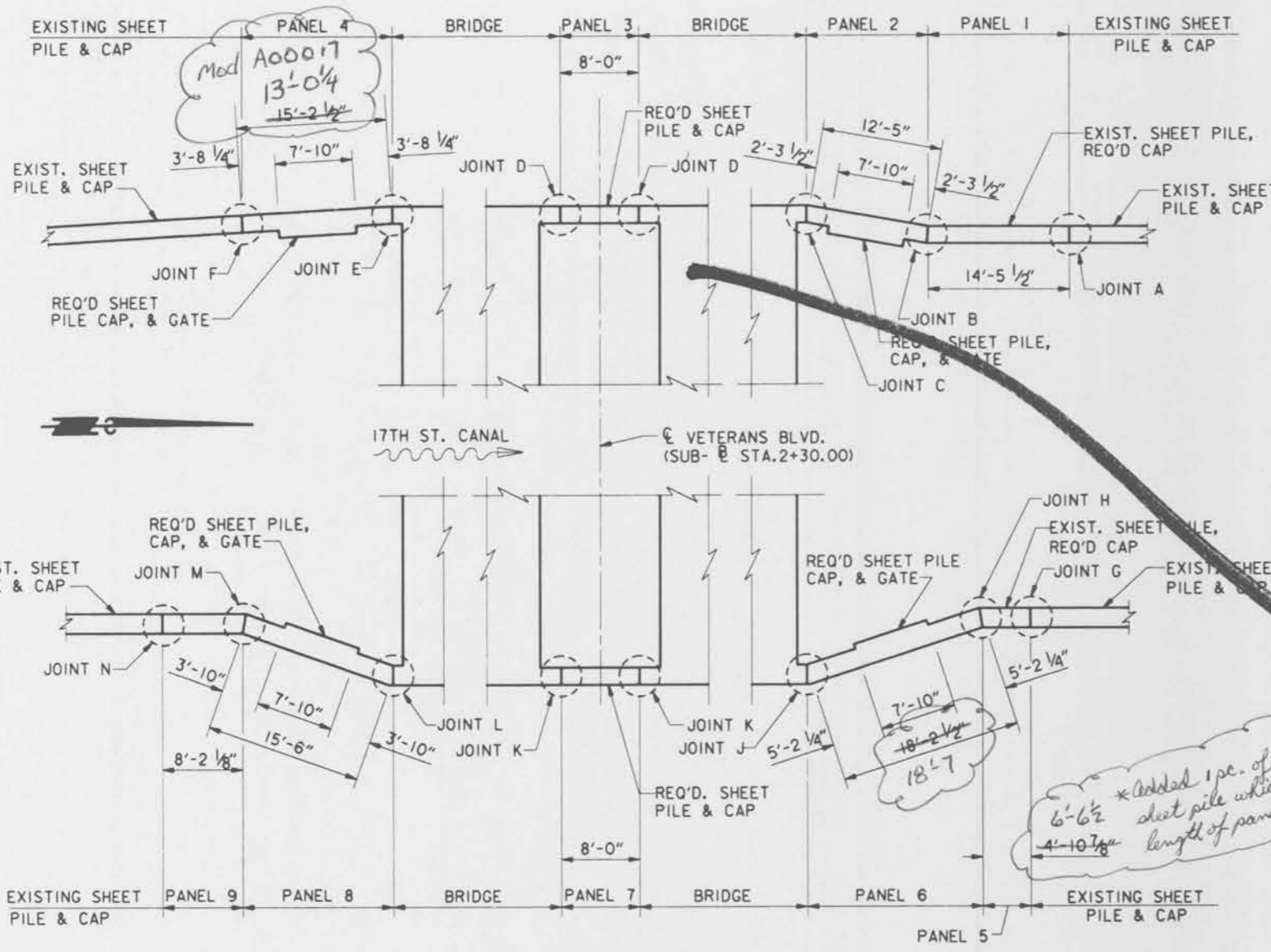


NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR STRUCTURE PLAN AND ELEVATION, SEE DWG. NO. 14.
CONTRACTOR SHALL SUBMIT PROPOSED PILE SPLICE LOCATIONS AND DETAILS FOR APPROVAL PRIOR TO FABRICATION.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES PRESTRESSED CONCRETE PILES			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 18	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CARD FILE: MM47.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 18 OF 79	

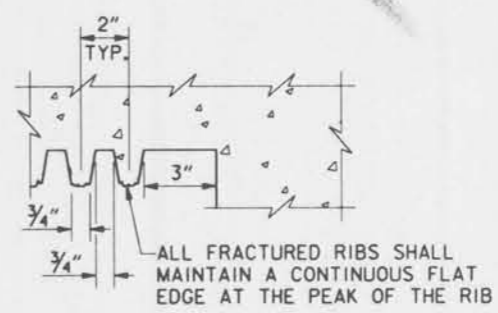
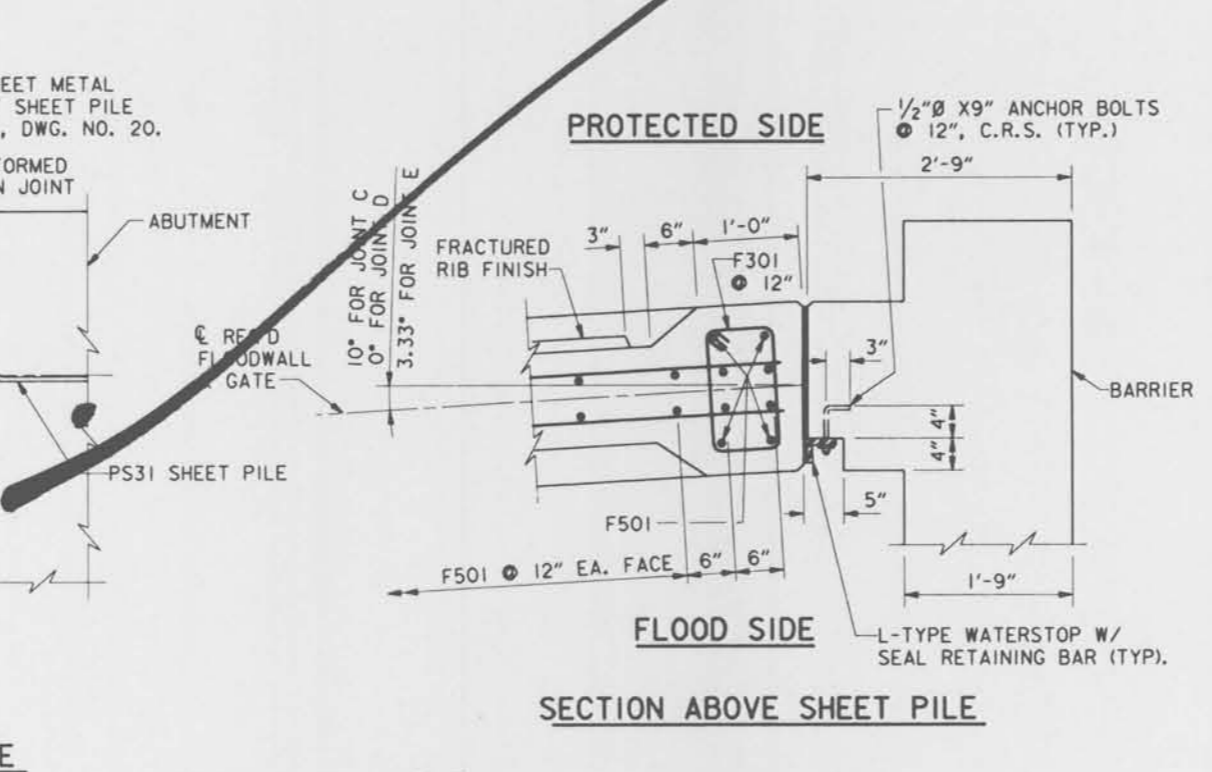
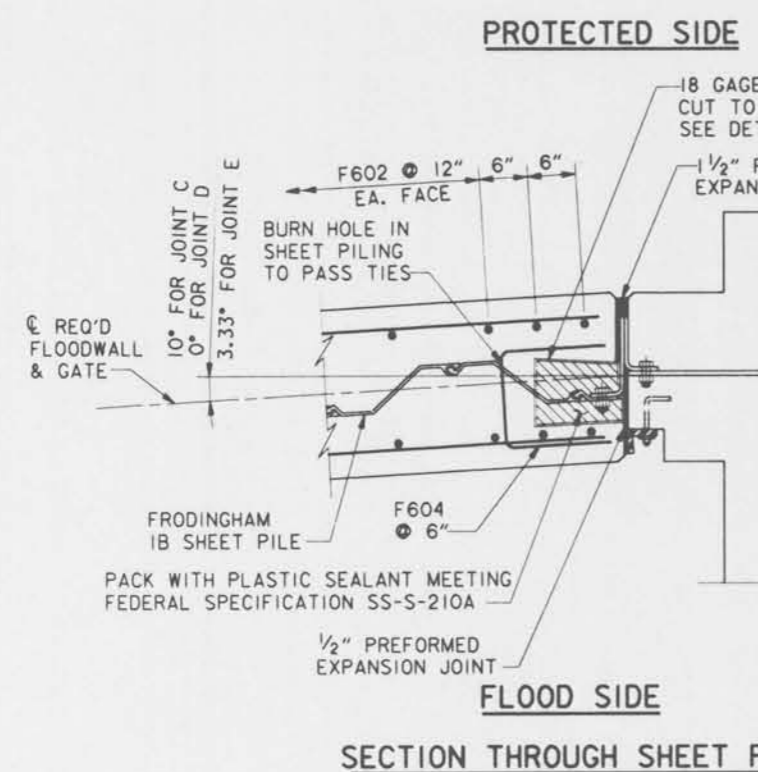


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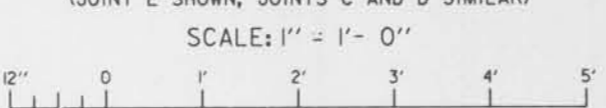


FLOODWALL KEY PLAN

NOTE:
CONTRACTOR TO FIELD VERIFY ALL LENGTHS AND ANGLES.



JOINTS C, D, AND E

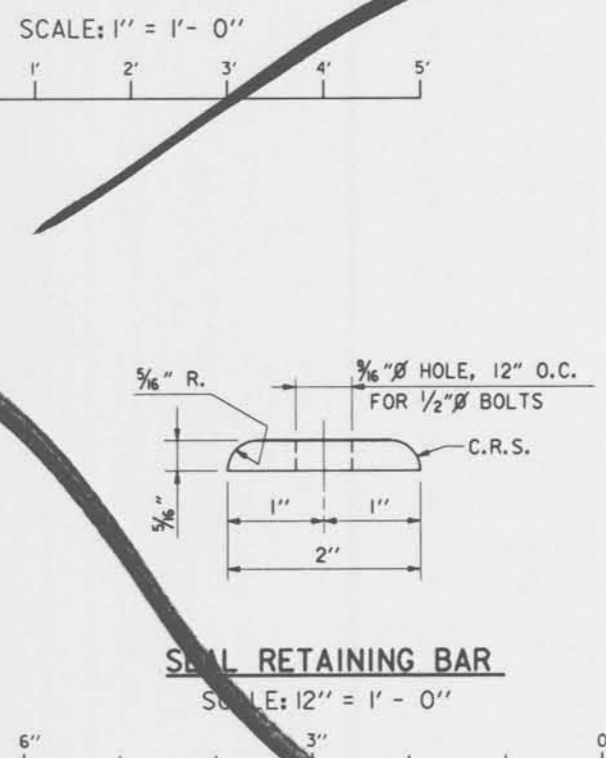
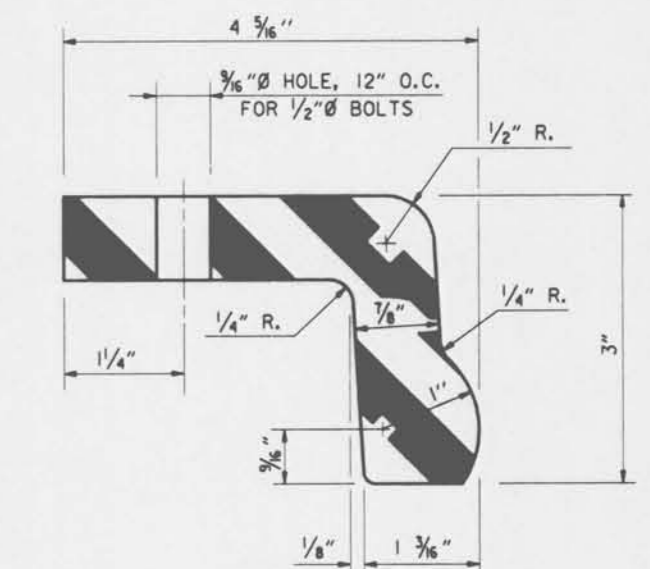
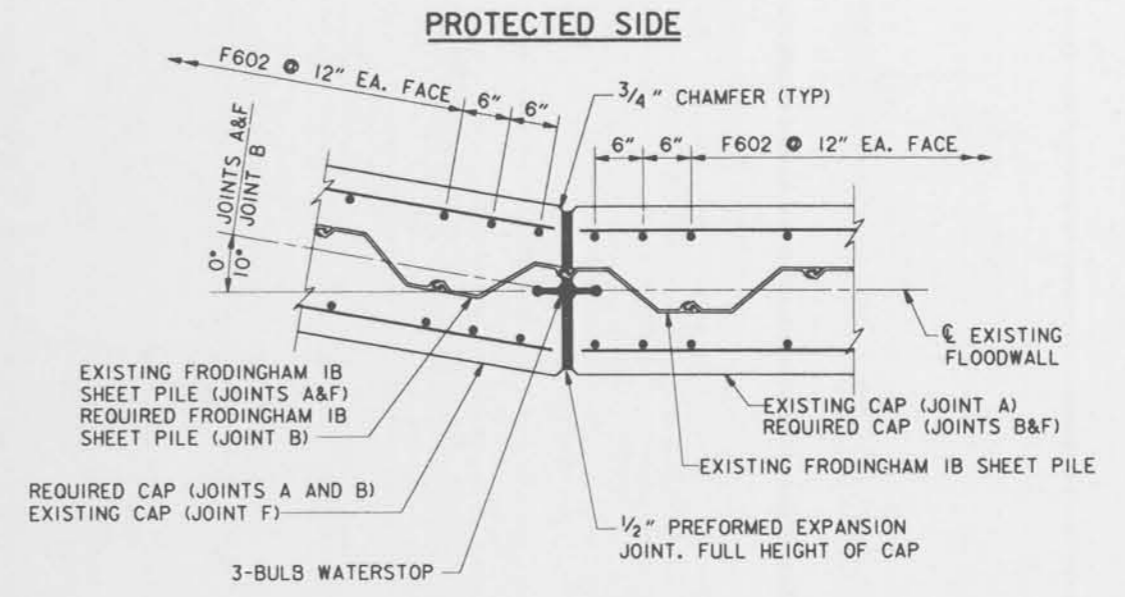
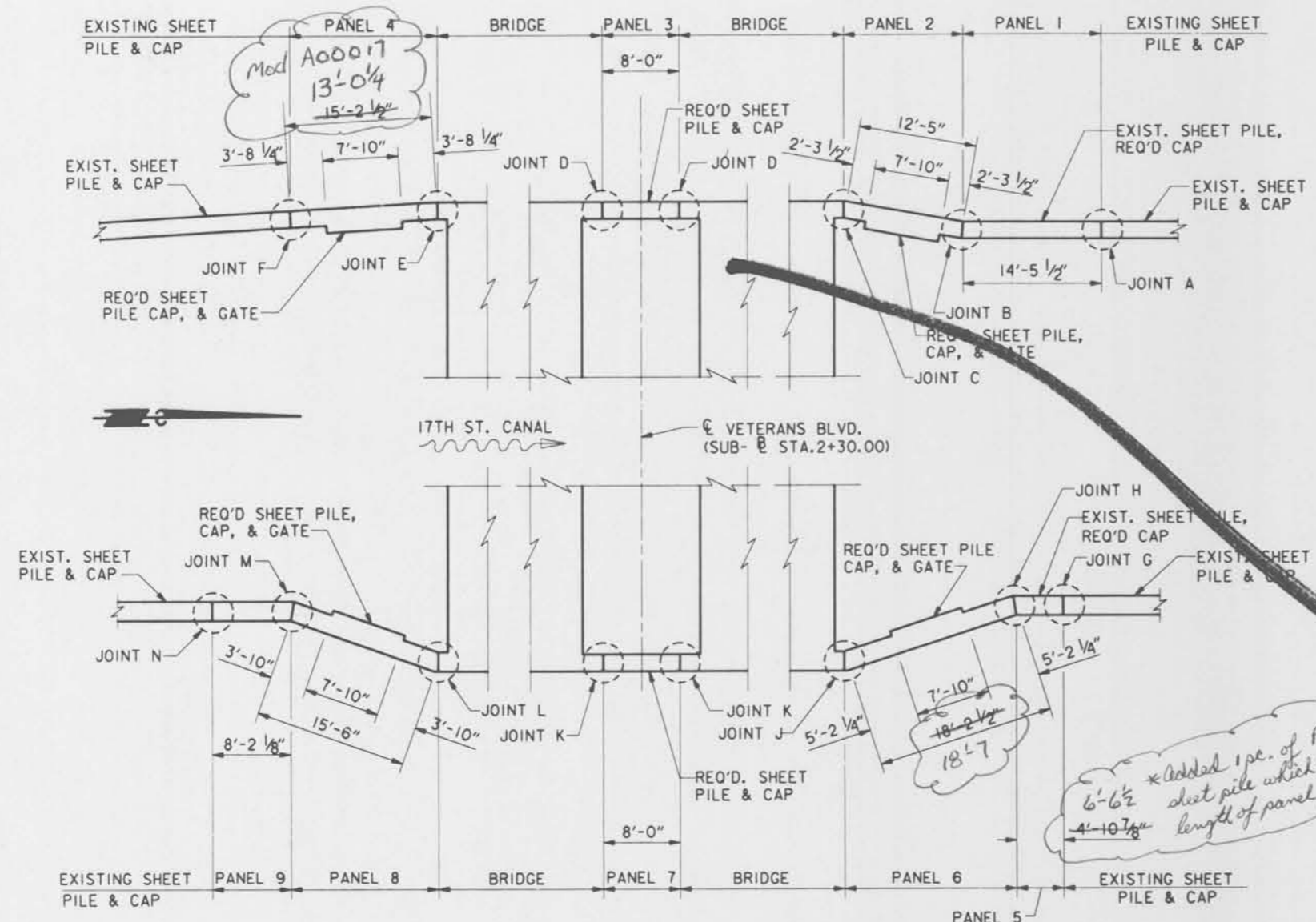


NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR JOINTS G, H, J, K, L, M, & N SEE DWG. NO. 20.
HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.
FRODINGHAM IB SHEETS TO BE PROVIDED BY GOVERNMENT.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA WODJESKI & MASTERS INC.		BOARD OF LEVEE COMMISSIONERS NEW ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL DETAILS-1			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 96	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM31.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 19 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

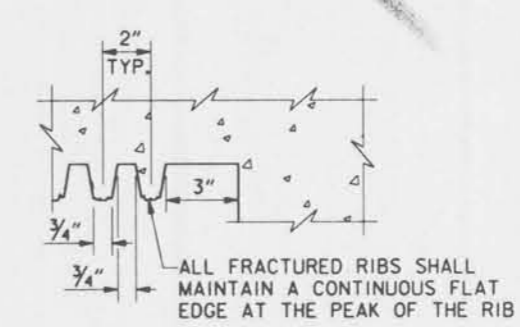
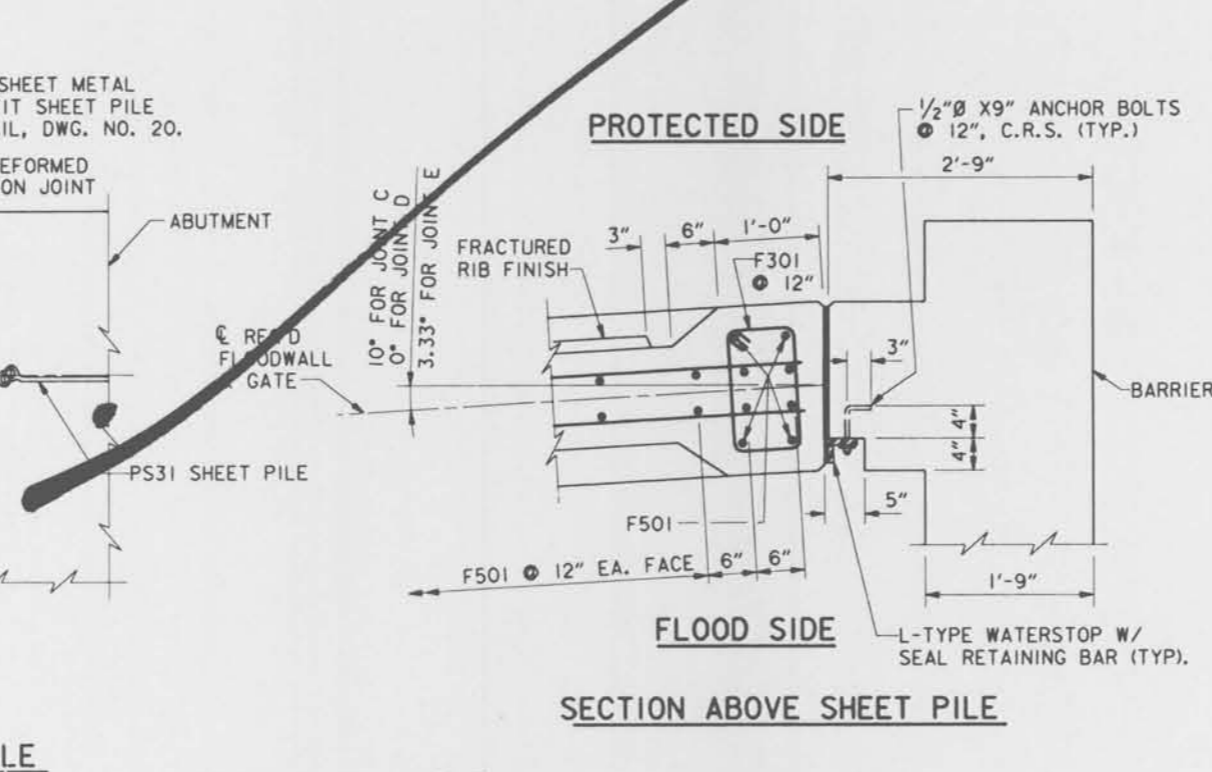
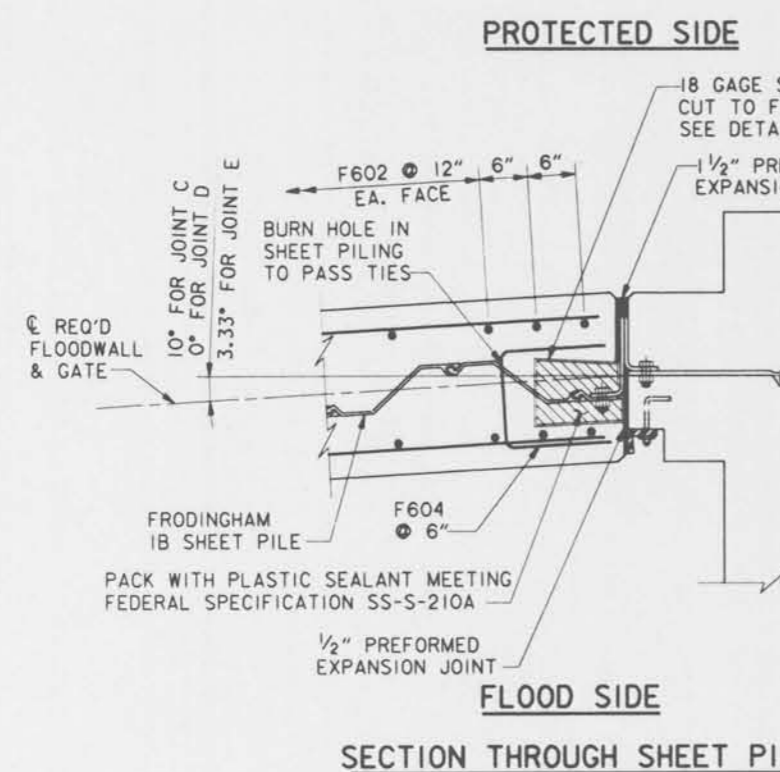


Safety is a Part of Your Contract



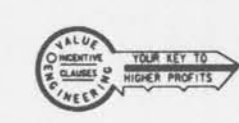
FLOODWALL KEY PLAN
SCALE: 1/8" = 1' - 0"

NOTE:
CONTRACTOR TO FIELD VERIFY ALL LENGTHS AND ANGLES.

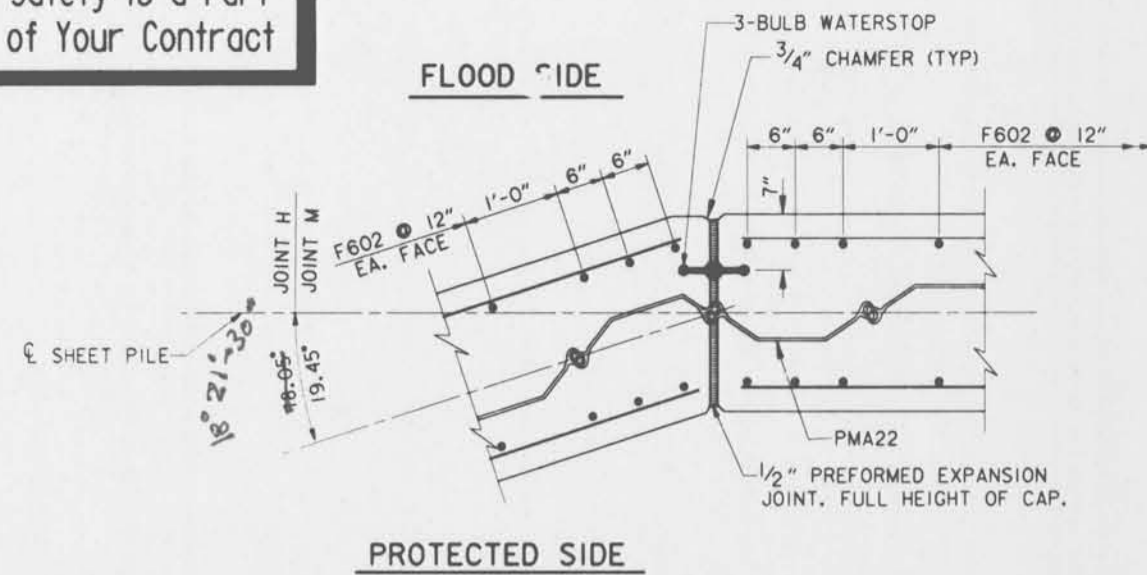


NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR JOINTS G, H, J, K, L, M, & N SEE DWG. NO. 20.
HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.
FRODINGHAM IB SHEETS TO BE PROVIDED BY GOVERNMENT.

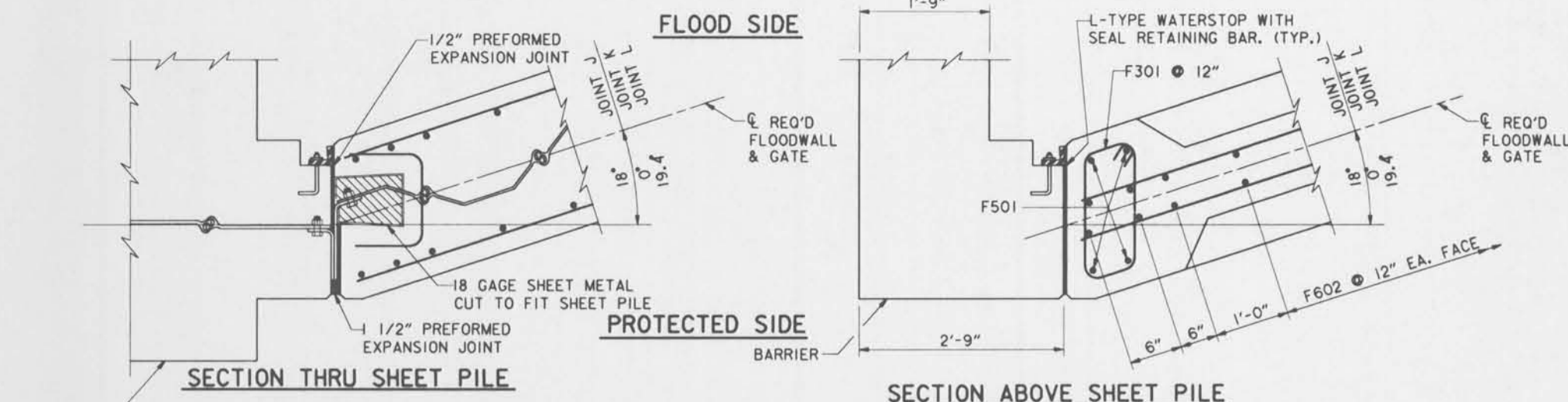
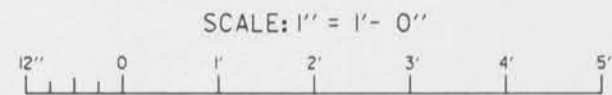
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA WODJESKI & MASTERS INC.		BOARD OF LEVEE COMMISSIONERS NEW ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL DETAILS-1			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 98	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM31.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 19 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



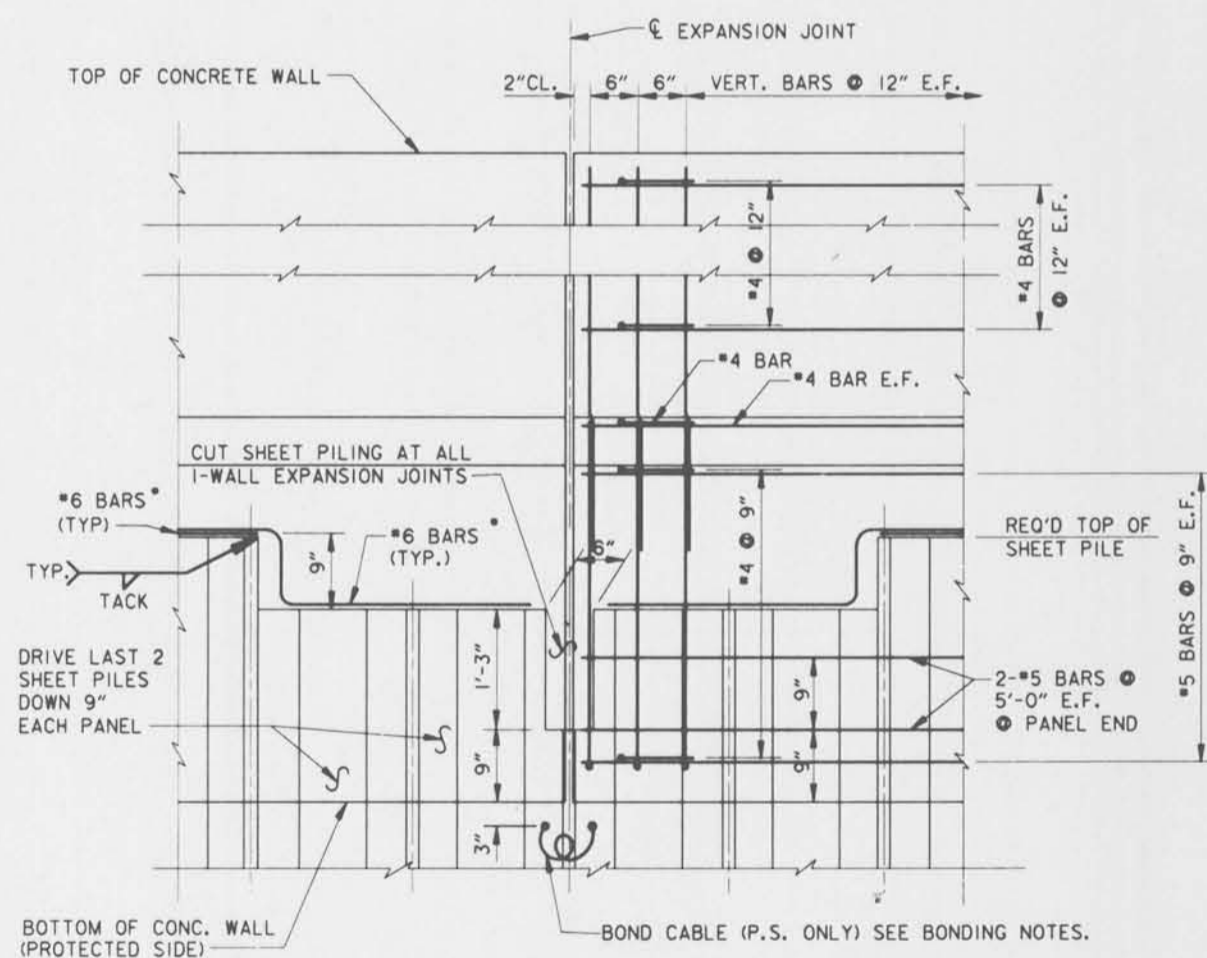
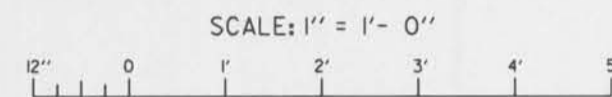
Safety is a Part of Your Contract



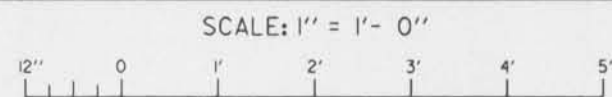
JOINT H AND JOINT M
(JOINT H SHOWN, JOINT M SIMILAR)



JOINTS J, K, AND L
(JOINT L SHOWN, JOINTS K AND L SIMILAR)

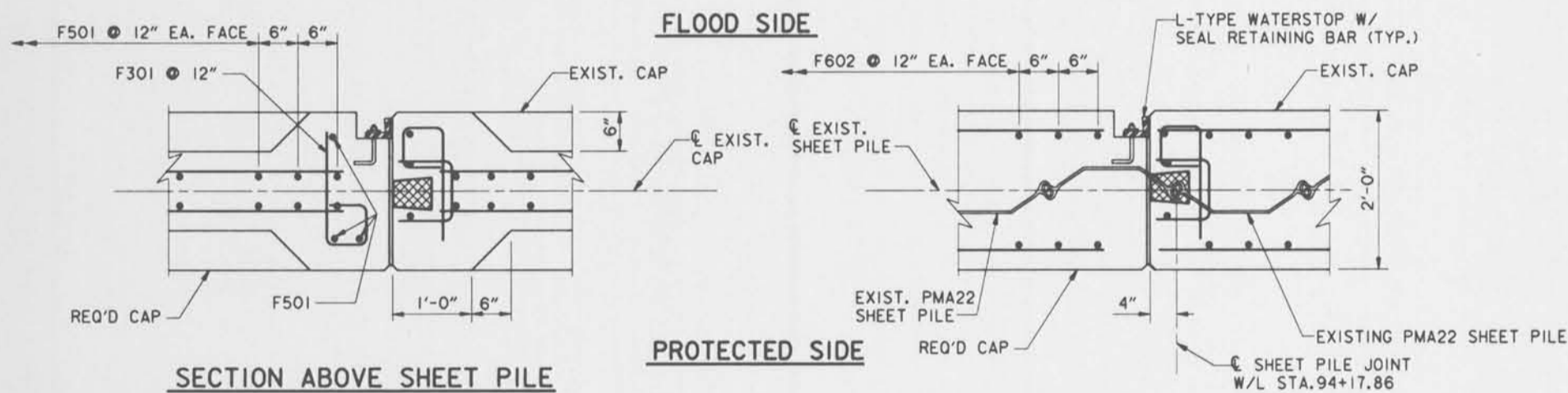


SHEET PILING AND REINFORCING DETAILS AT JOINTS

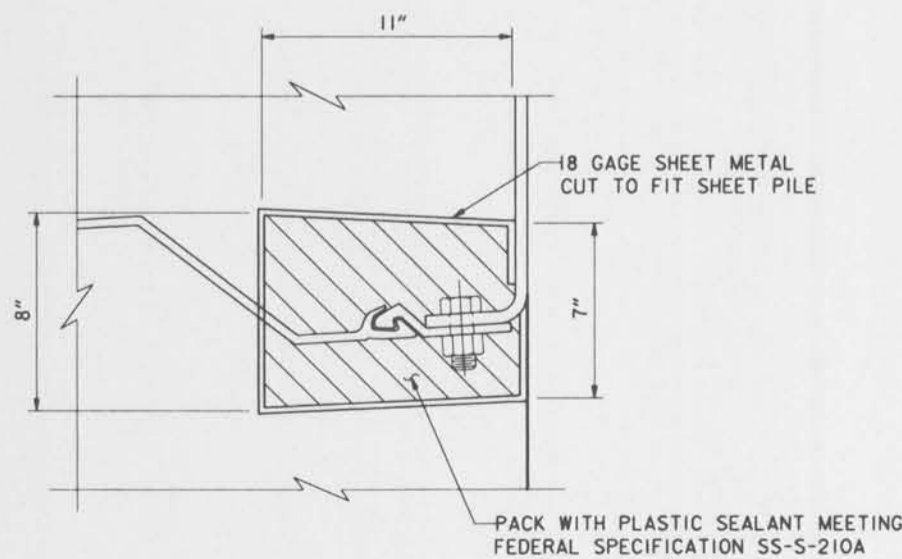
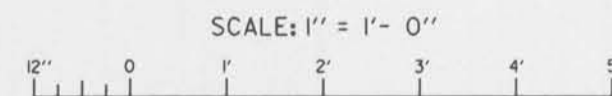


BONDING NOTES:

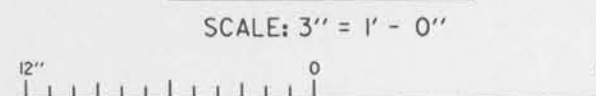
*6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH STEEL SHEET PILE. *6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE EXPANSION JOINT. INSTALL BOND CABLE AT ALL EXPANSION JOINTS. BOND CABLE SHALL HAVE AN 7" DIAMETER LOOP TO ALLOW FOR STRESSES. BOND CABLES SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL PILES 3" BELOW BOTTOM OF CONCRETE CAP. WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINT. SEE SPECIFICATIONS "CATHODIC PROTECTION". *601 REINFORCING BARS SHALL BE WELDED TO THE LAST THREE SHEET PILING AT EACH END OF THE MONOLITH AS SHOWN FOR CONTINUITY. SPLICING OF *6 REINFORCING BAR WILL NOT BE ALLOWED.



JOINTS G AND N
(JOINT G SHOWN, JOINT N OPP. HAND)



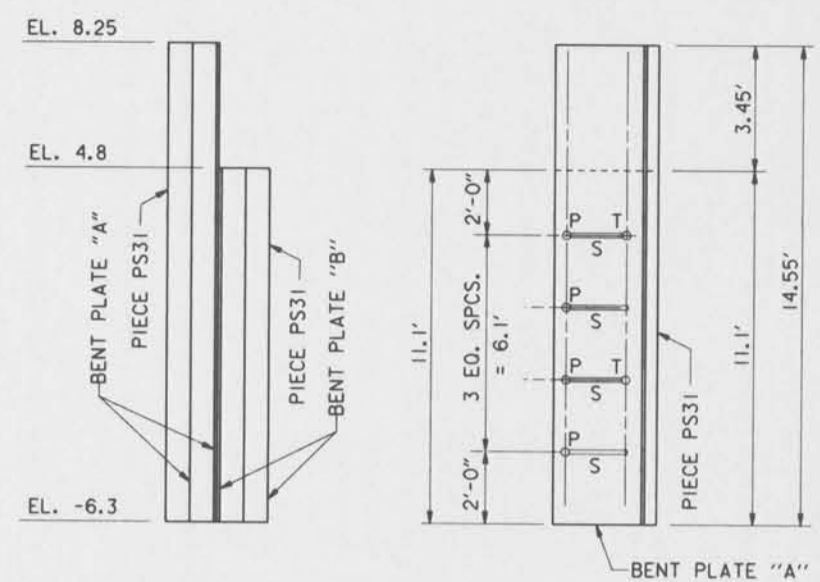
SLIP JOINT DETAIL



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
WODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL DETAILS-2			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM32.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 20 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



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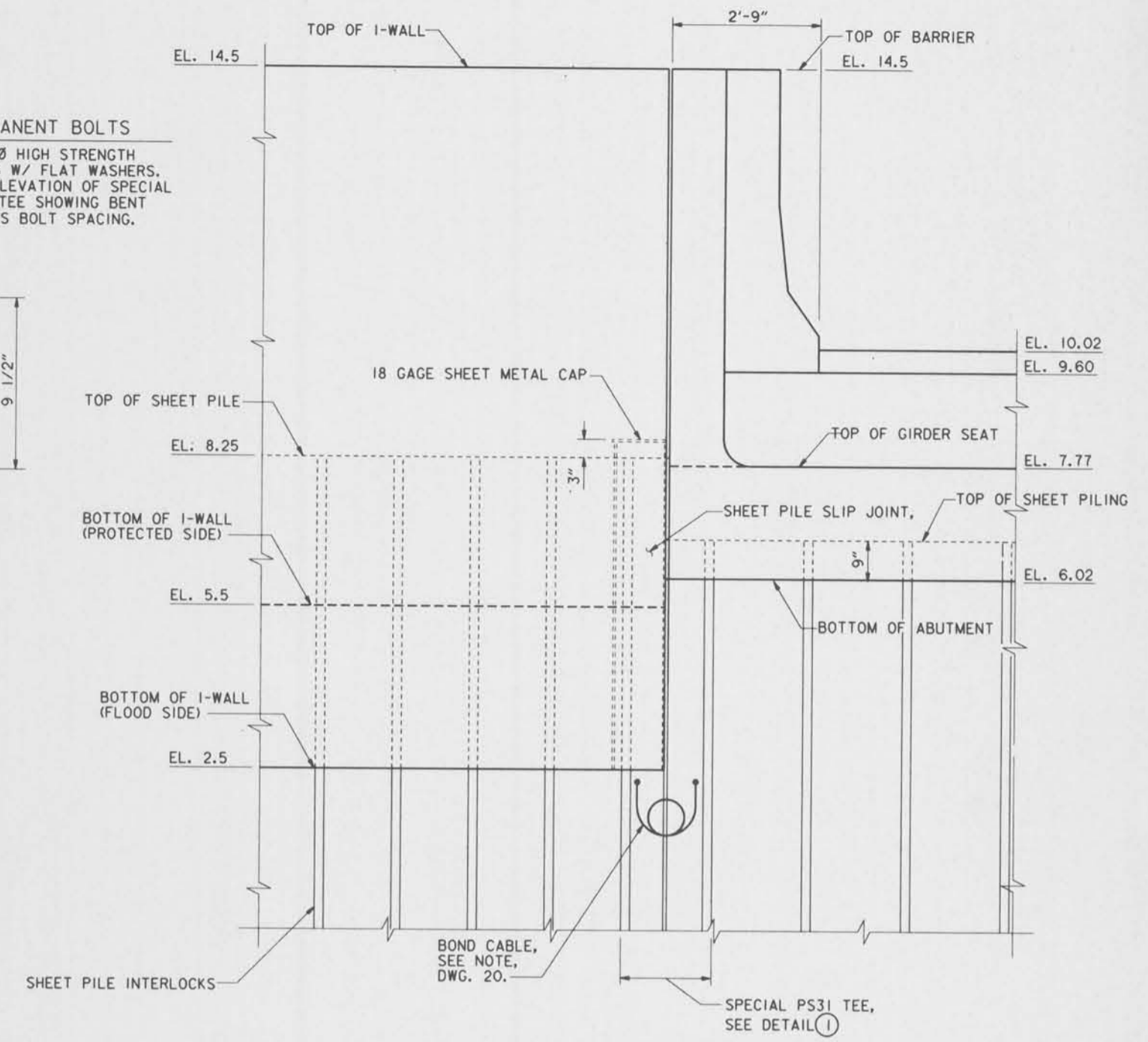
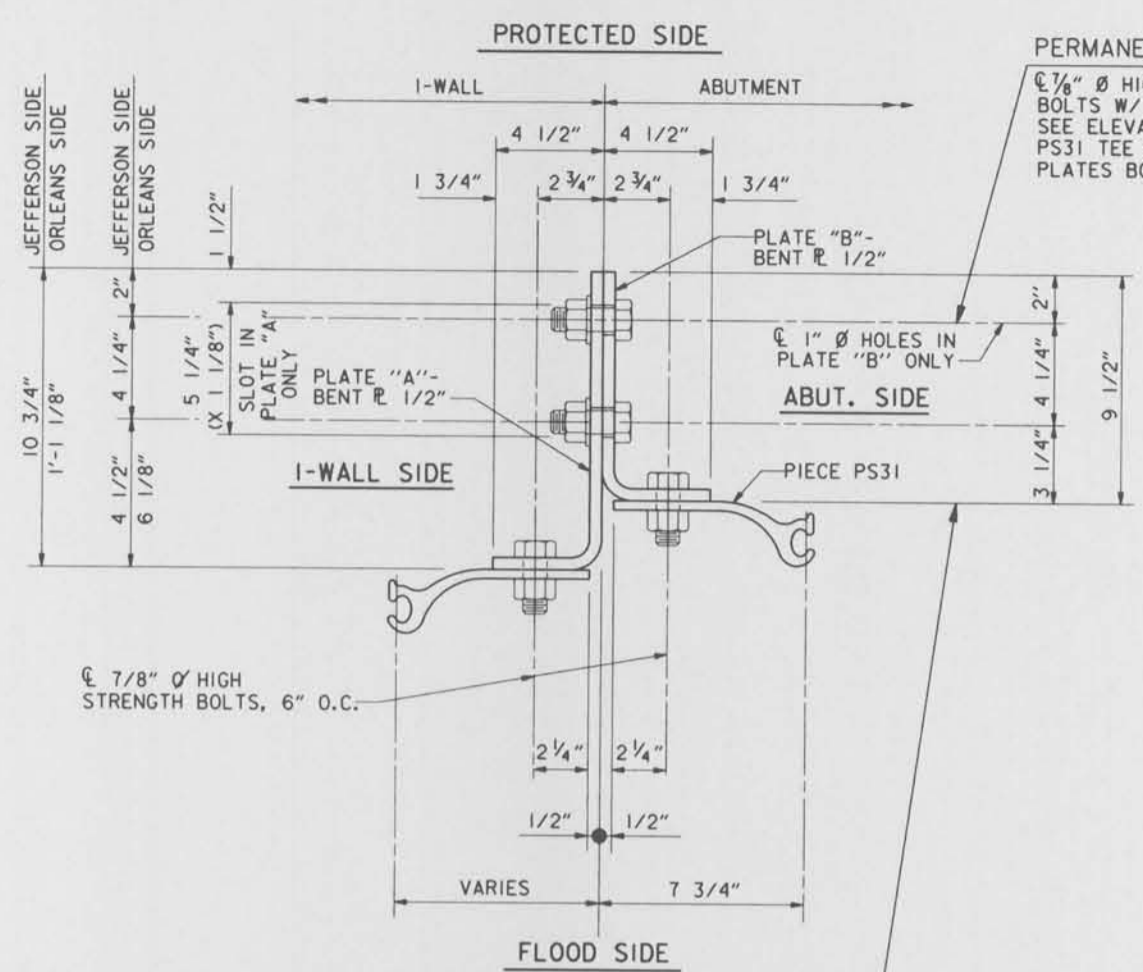


PROTECTED SIDE ELEVATION
I-WALL SIDE ELEVATION

ELEVATION OF SPECIAL PS31 TEE SHOWING BENT PLATES BOLT SPACING

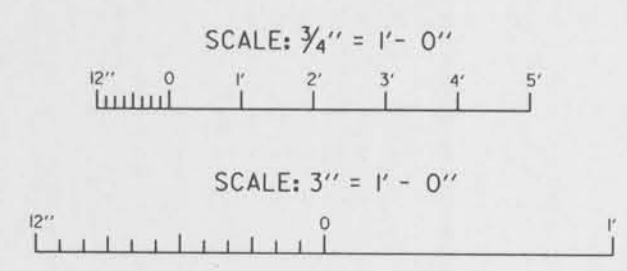
(JOINT K SHOWN, OTHERS SIMILAR)

SCALE: HORIZ. 3/4" = 1'-0"
VERT. 3/8" = 1'-0"



FLOOD SIDE ELEVATION
I-WALL TO ABUTMENT/BARRIER
(JOINT K SHOWN, OTHERS SIMILAR)
SCALE: 3/4" = 1'-0"

THIS PLAN ACCOMPANIES MODIFICATION A0008 TO CONTRACT NUMBER DACW29-95-C-0093



NOTES
FOR GENERAL NOTES, SEE DWG. NO. 2

SYMBOL	REVISIONS	DESCRIPTION	DATE	APPROVED
△	REVISED ELEVATIONS.	MOD. NO. 1	12-8-95	A.H.H.

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MOJESKI & MASTERS INC.
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

VETERANS BLVD. BRIDGES
FLOODWALL DETAILS-3

DESIGNED BY: A.A.H.
DRAWN BY: P.M.R.
CHECKED BY: N.M.

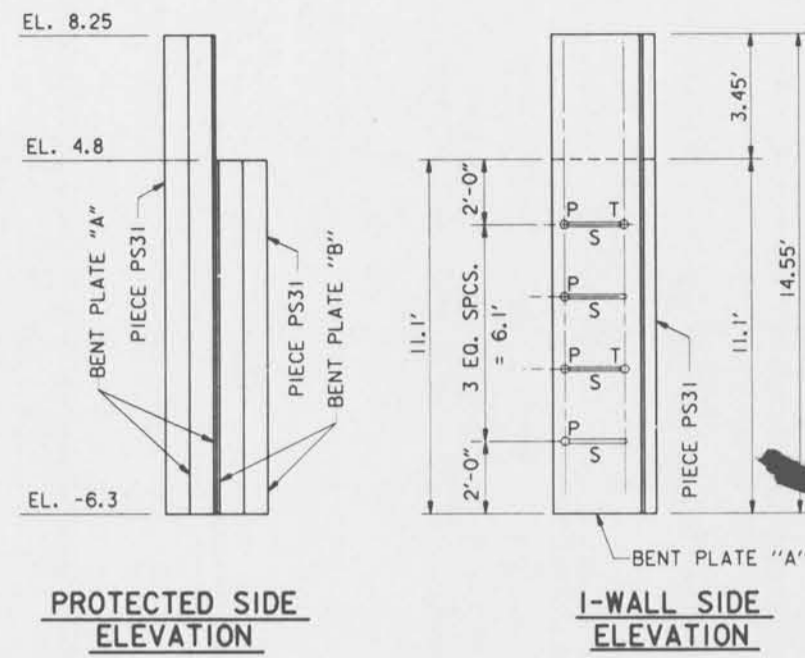
DATE: JUNE 95
CADD FILE: MM33.DGN

PLANT SCALE: 16
SOLICITATION NO. DACW29-95-B-0095

FILE NO. H-4-40359
DWG. 21 OF 79

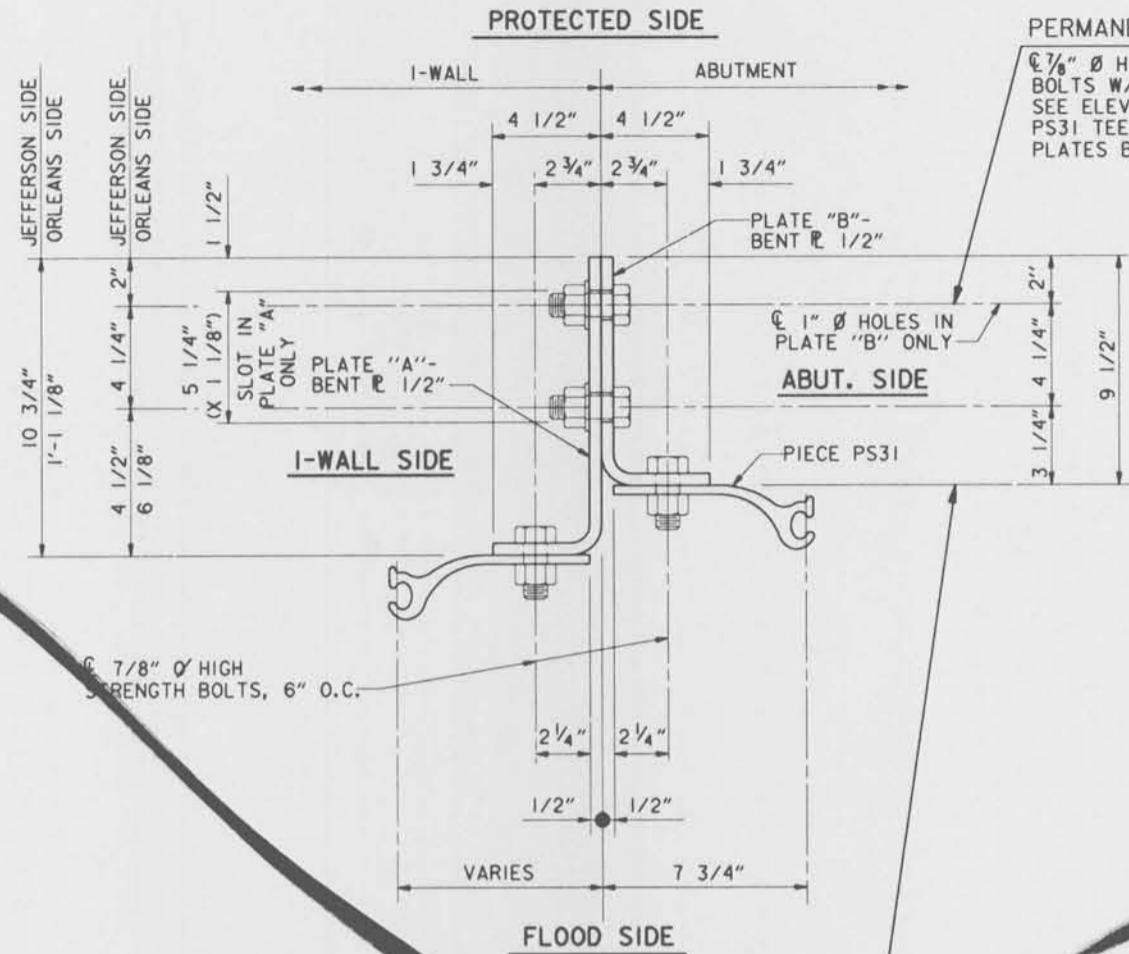


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ELEVATION OF SPECIAL PS31 TEE SHOWING BENT PLATES BOLT SPACING
 (JOINT K SHOWN, OTHERS SIMILAR)

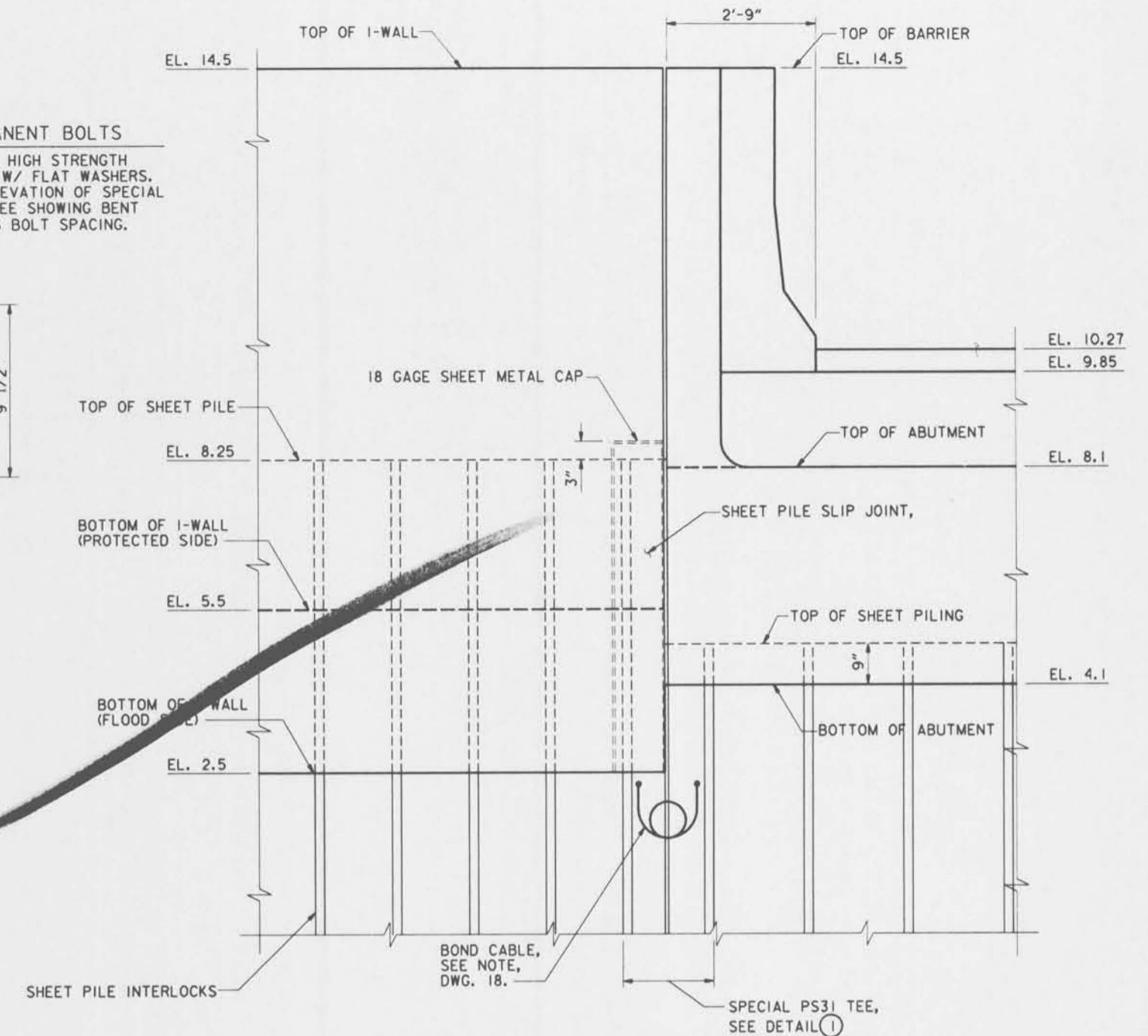
SCALE: HORIZ. 3/4" = 1'-0"
 VERT. 3/8" = 1'-0"



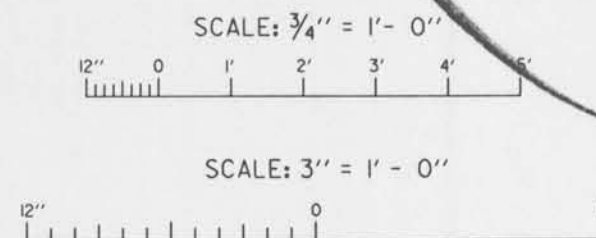
TEMPORARY DRIVING BOLTS
 7/8" Ø HIGH STRENGTH BOLTS W/ FLAT WASHERS. SEE ELEVATION OF SPECIAL PS31 TEE SHOWING BENT PLATES BOLT SPACING. THESE BOLTS ARE TO BE REMOVED AS SPECIAL PS31 TEE IS DRIVEN, SO THAT UPON COMPLETION OF DRIVING NO TEMPORARY BOLTS SHALL REMAIN.

DETAIL 1
SPECIAL PS31 TEE
 SCALE: 3/4" = 1'-0"

PERMANENT BOLTS
 3/8" Ø HIGH STRENGTH BOLTS W/ FLAT WASHERS. SEE ELEVATION OF SPECIAL PS31 TEE SHOWING BENT PLATES BOLT SPACING.



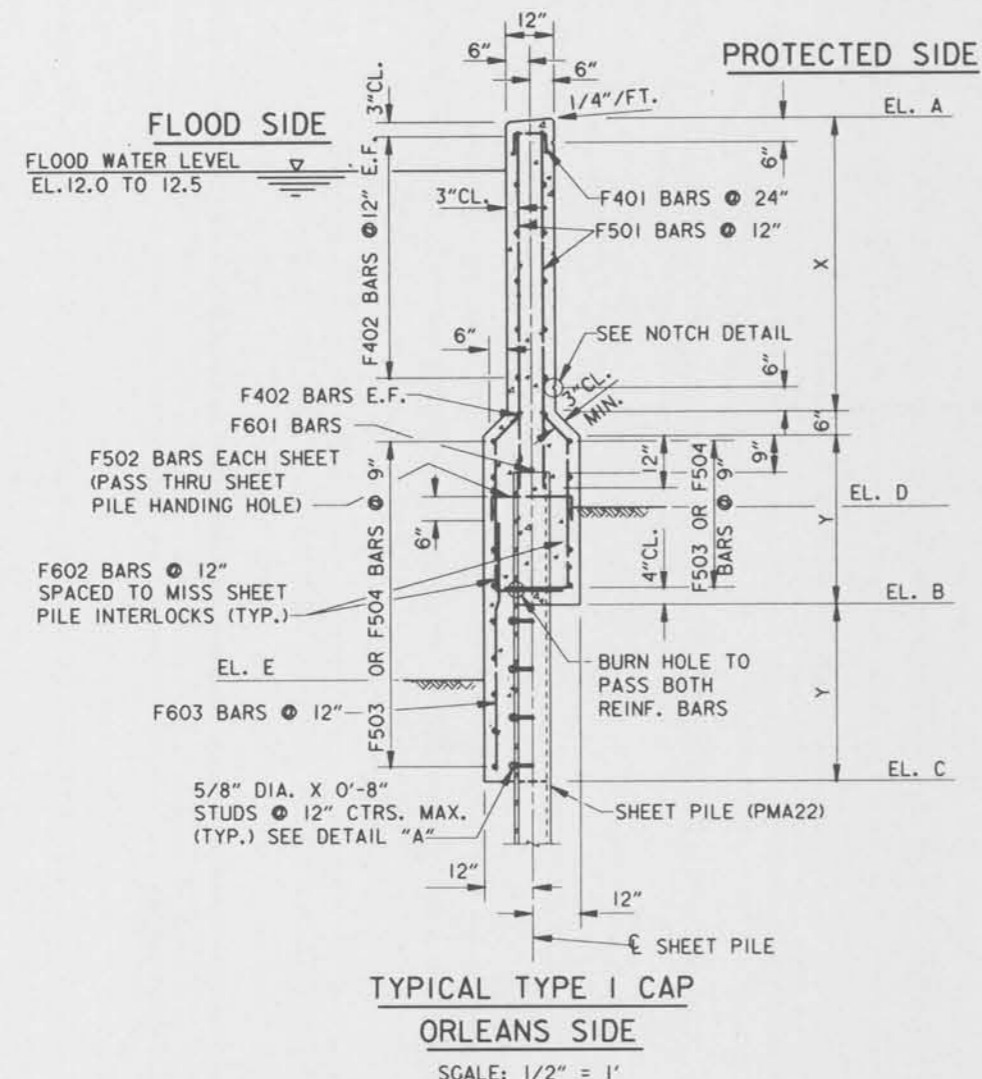
FLOOD SIDE ELEVATION
I-WALL TO ABUTMENT/BARRIER
 (JOINT K SHOWN, OTHERS SIMILAR)
 SCALE: 3/4" = 1'-0"



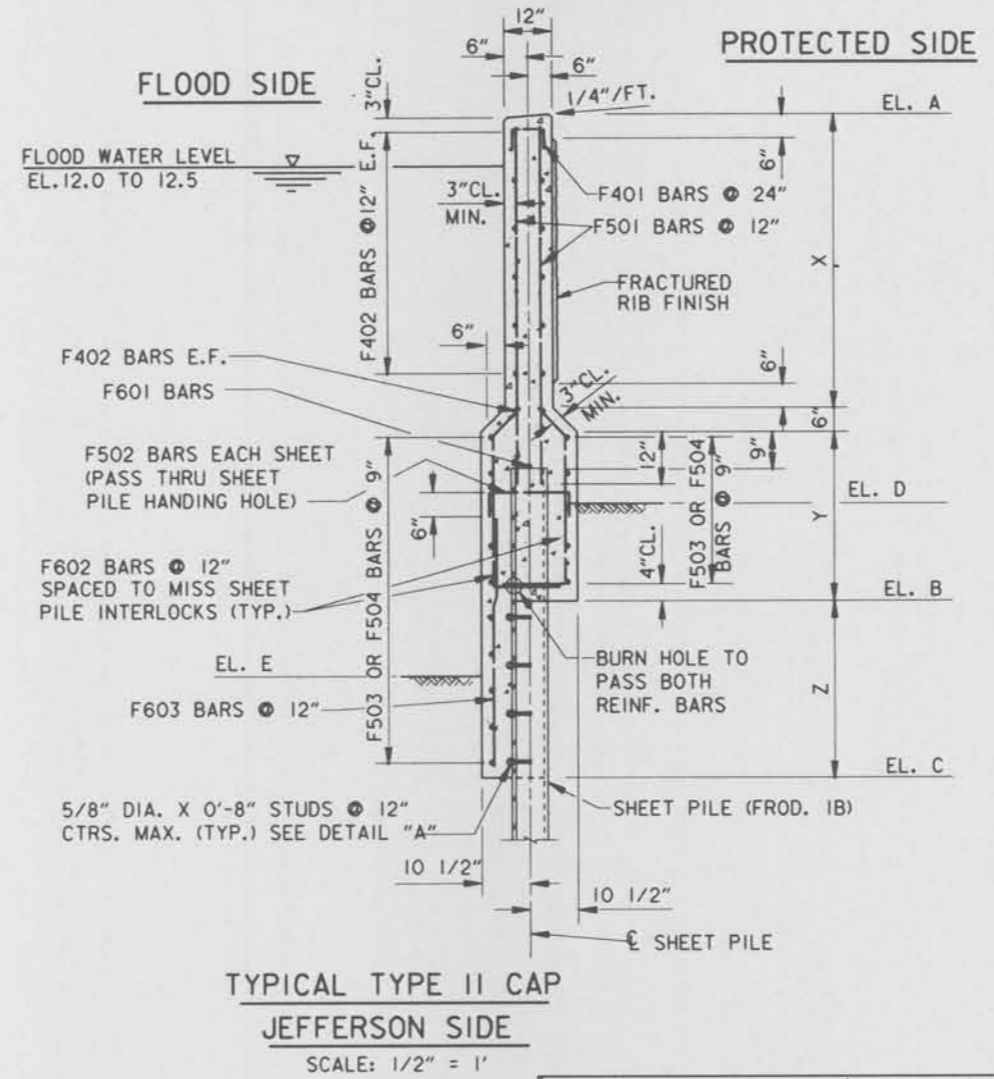
NOTES
 FOR GENERAL NOTES, SEE DWG. NO. 2

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
WOODS & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL DETAILS-3			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 16	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM33.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		
SOLICITATION NO. DACW29-95-B-0095		DWG. 21 OF 79	

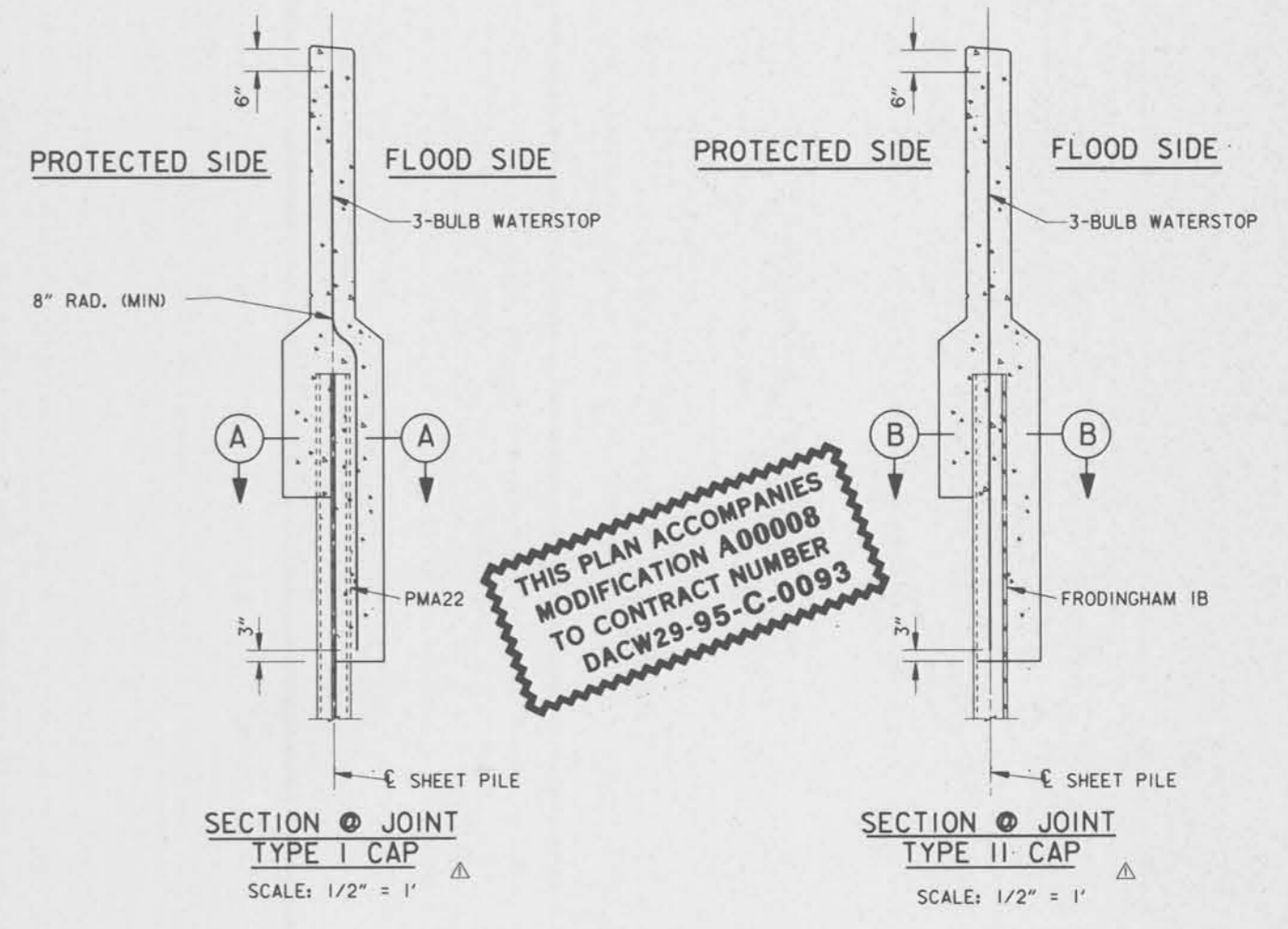




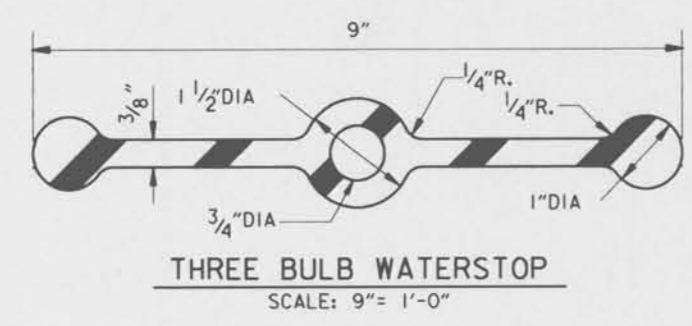
TYPICAL TYPE I CAP
ORLEANS SIDE
SCALE: 1/2" = 1'



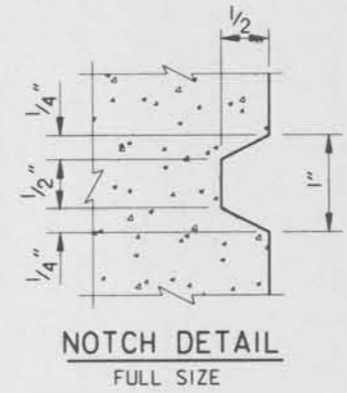
TYPICAL TYPE II CAP
JEFFERSON SIDE
SCALE: 1/2" = 1'



THIS PLAN ACCOMPANIES
MODIFICATION A0008
TO CONTRACT NUMBER
DACW29-95-C-0093

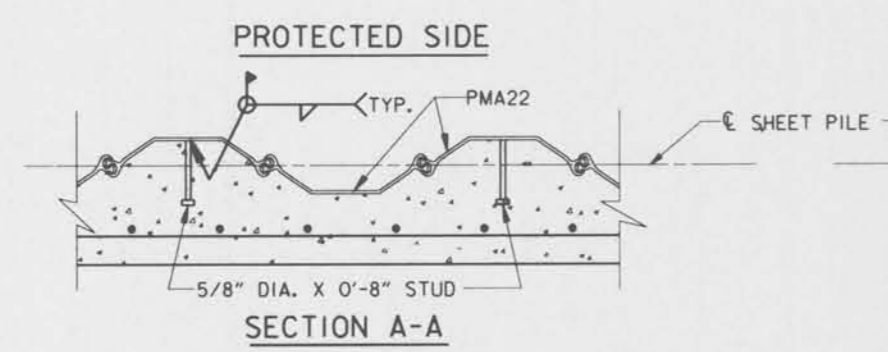


THREE BULB WATERSTOP
SCALE: 9" = 1'-0"

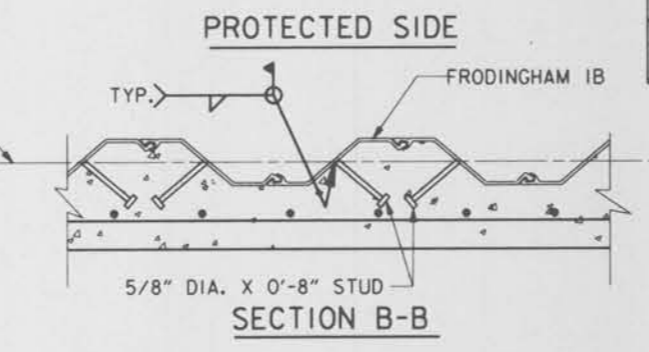


NOTCH DETAIL
FULL SIZE

DESCRIPTION	WALL LENGTH	WALL TYPE	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	X (FT.)	Y (FT.)	Z (FT.)	S.P. TIP ELEV.
PANEL 1 REQUIRED CAP AND GATE #1.	14'-5 1/2"	II WITH GATE	14.0	4.0	3.0	7.5	4.0	4'-6"	5'-6"	1'-0"	-3.0
PANEL 2 REQUIRED SHEET PILE, AND CAP.	12'-5"	II	14 TO 14.5	5.5 TO 6.0	3.0	7.5	4.0 TO 5.0	4'-6"	3'-6"	2'-6" TO 3'-0"	-3.0
PANEL 3 REQUIRED SHEET PILE AND CAP	8'-0"	II	14.5	6.0	3.0	ROADWAY ELEVATION	6.3	4'-6"	3'-6"	3'-0"	-3.0
PANEL 4 REQUIRED SHEET PILE, CAP, AND GATE #2	15'-2 1/2"	II WITH GATE	14.5	4.5	3.0	8.0	5.0	4'-6"	5'-0"	1'-6"	-3.0
PANEL 5 REQUIRED CAP	4'-10 7/8"	I	14.0 TO 14.5	4.5 TO 5.5	1.5 TO 2.5	6.5	3.5	5'-6" TO 6'-0"	3'-6"	3'-0"	-6.3
PANEL 6 REQUIRED SHEET PILE, CAP, AND GATE #3	18'-2 1/2"	I WITH GATE	14.5	3.0	2.5	6.5	3.5 TO 5.0	6'-0"	5'-0"	0'-6"	-6.3
PANEL 7 REQUIRED SHEET PILE AND CAP	8'-0"	I	14.5	5.5	2.5	ROADWAY ELEVATION	6.3	5'-0"	3'-6"	3'-0"	-6.3
PANEL 8 REQUIRED SHEET PILE, CAP, AND GATE #4	15'-6"	I WITH GATE	14.5	4.0	2.5	7.5	4.5 TO 5.0	5'-0"	5'-0"	1'-6"	-5.0
PANEL 9 REQUIRED CAP	8'-2 1/8"	I	14.5	5.5	2.5	7.5	4.5	5'-0"	3'-6"	3'-0"	-5.0

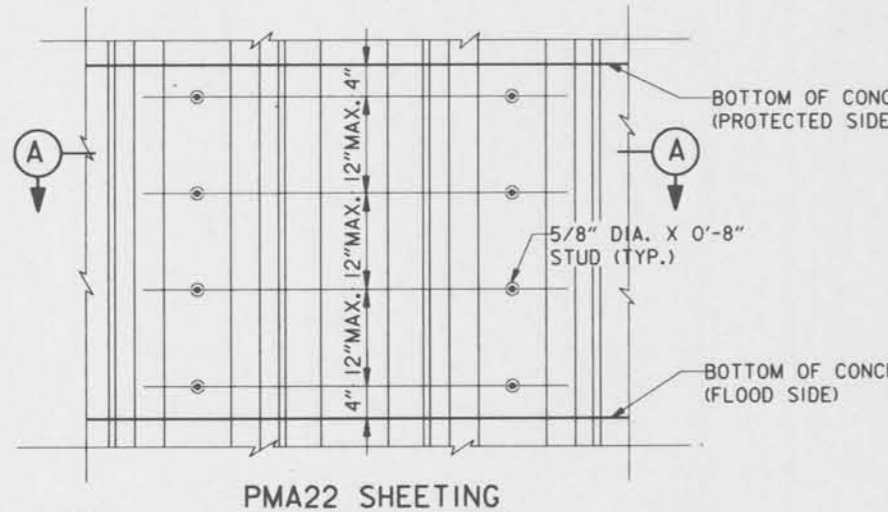


SECTION A-A

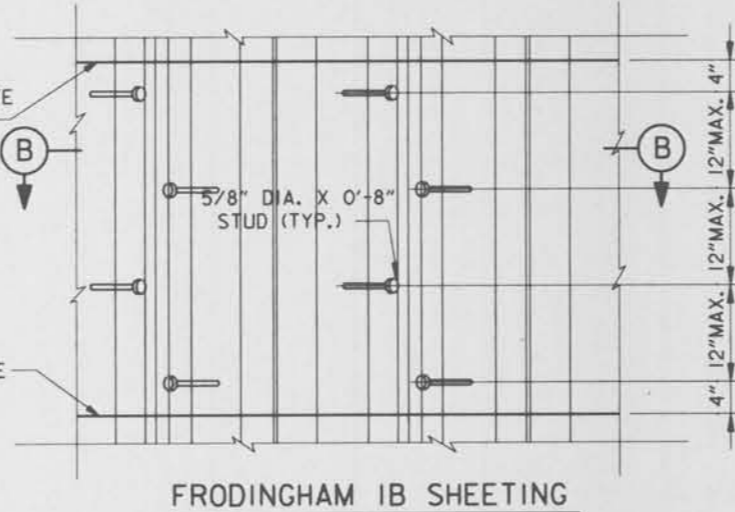


SECTION B-B

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR STRUCTURE PLAN, SEE DWG. NO. 14
FOR WALL LENGTHS, SEE DWG. NO. 19.

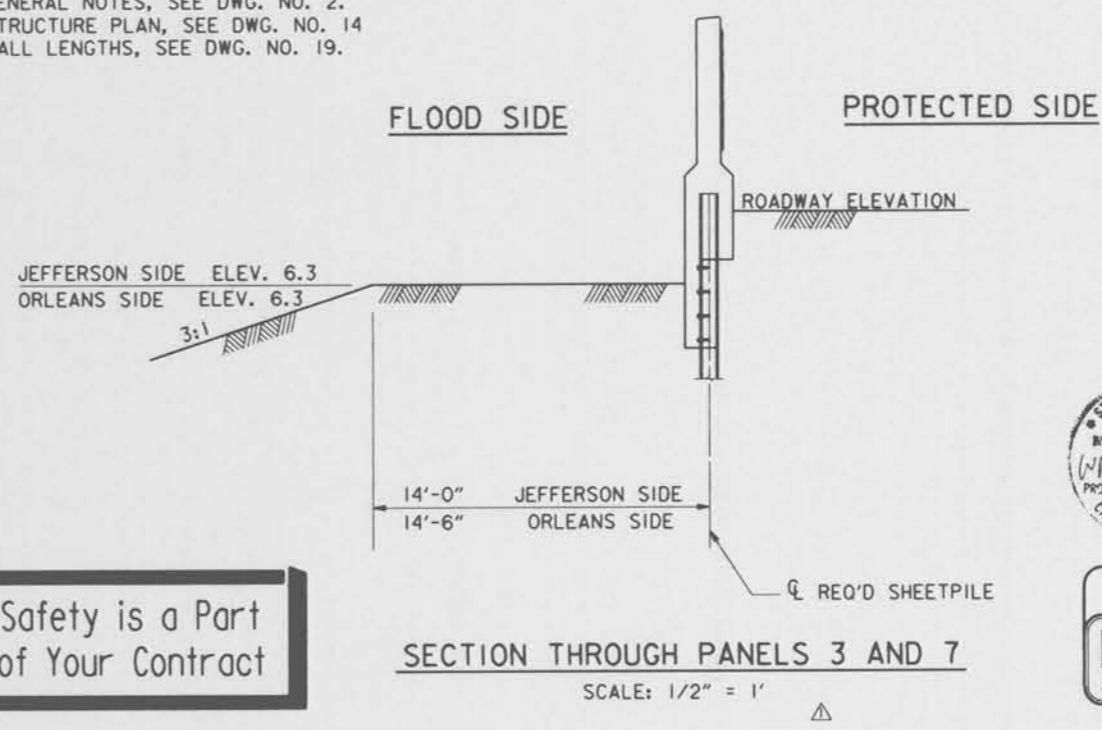


PMA22 SHEETING

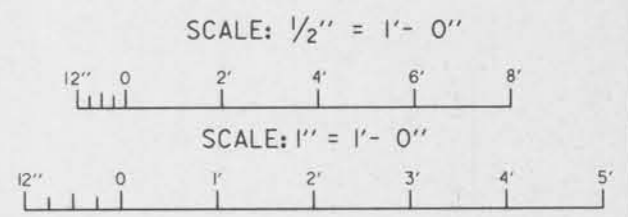


FRODINGHAM IB SHEETING

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of Your Contract



SECTION THROUGH PANELS 3 AND 7
SCALE: 1/2" = 1'



SYMBOL	REVISIONS	DATE	APPROVED
△	REVISED MISC. ELEVATIONS, DIMENSIONS AND SECTION DESIGNATIONS.	MOD. NO. 1	12-8-95 A.H.H.

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MOORESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

VETERANS BLVD. BRIDGES
FLOODWALL DETAILS-4

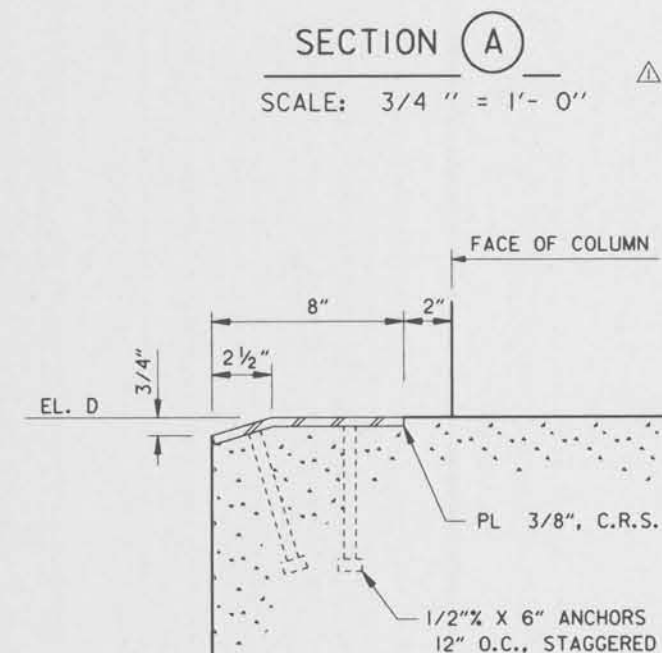
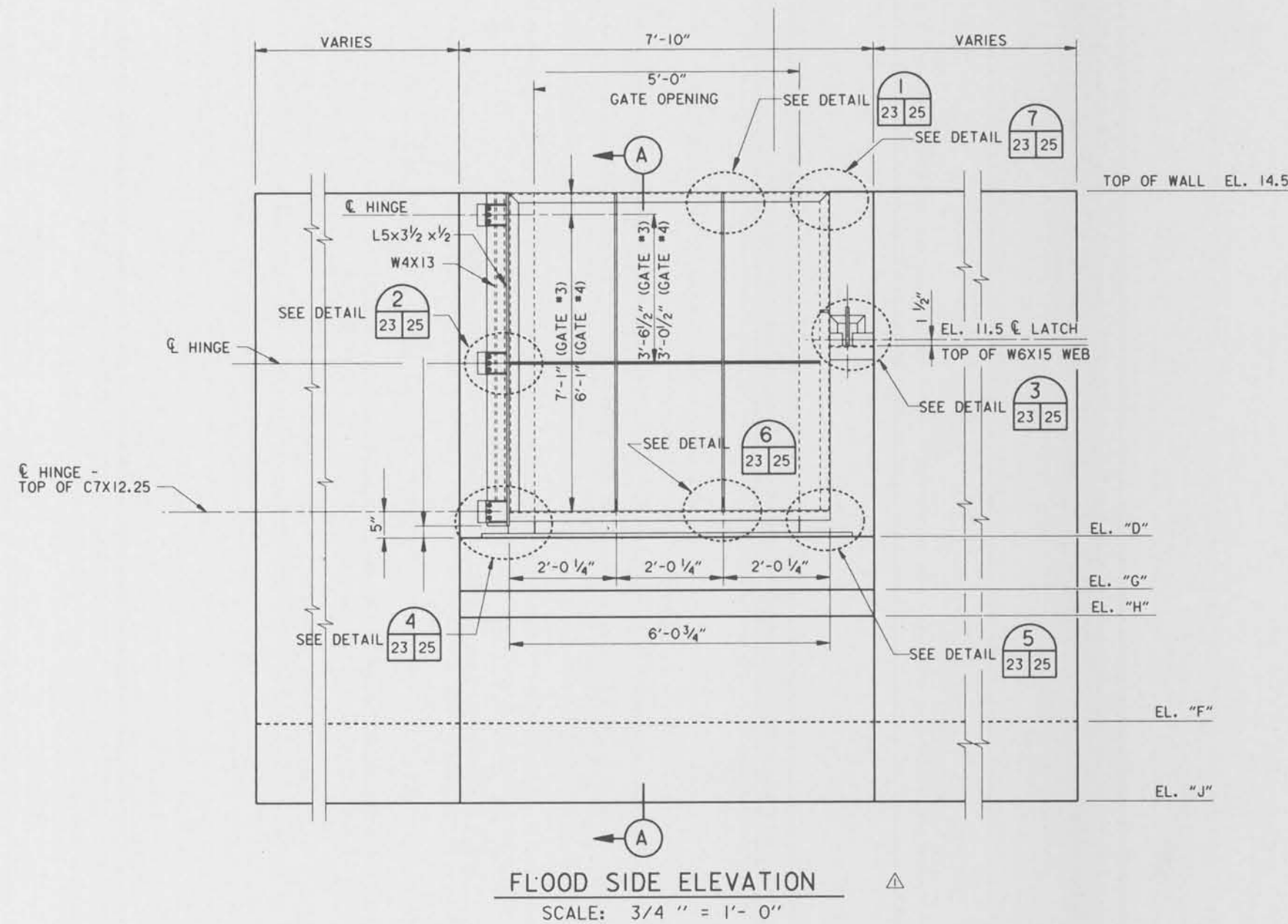
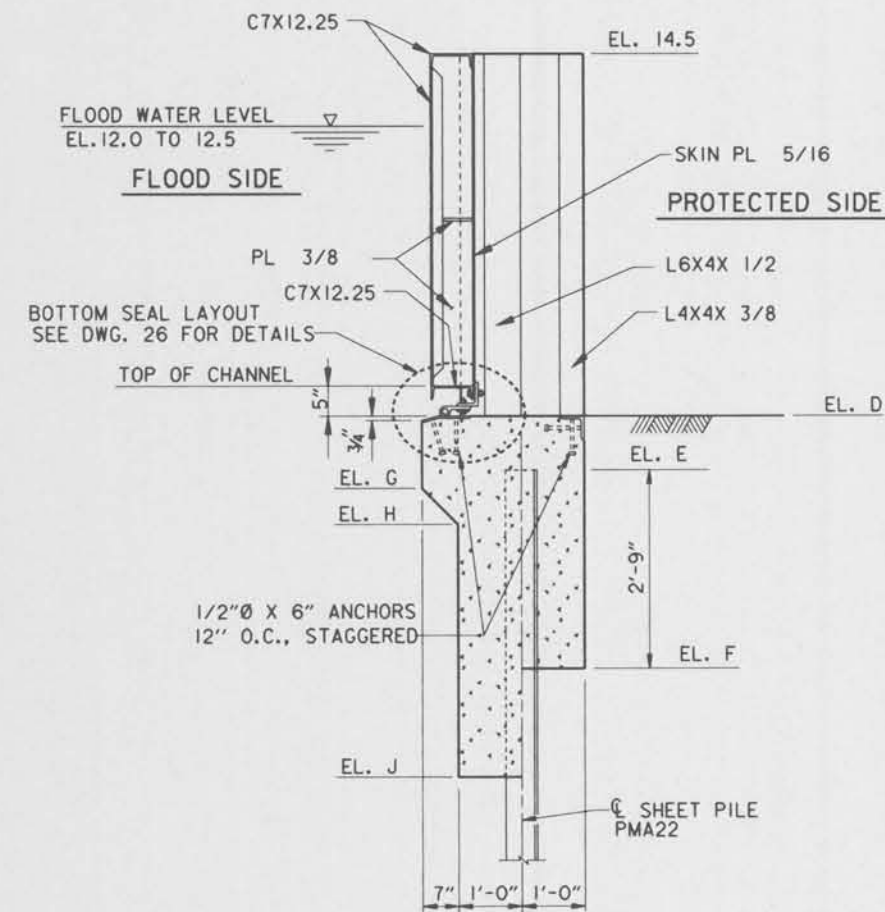
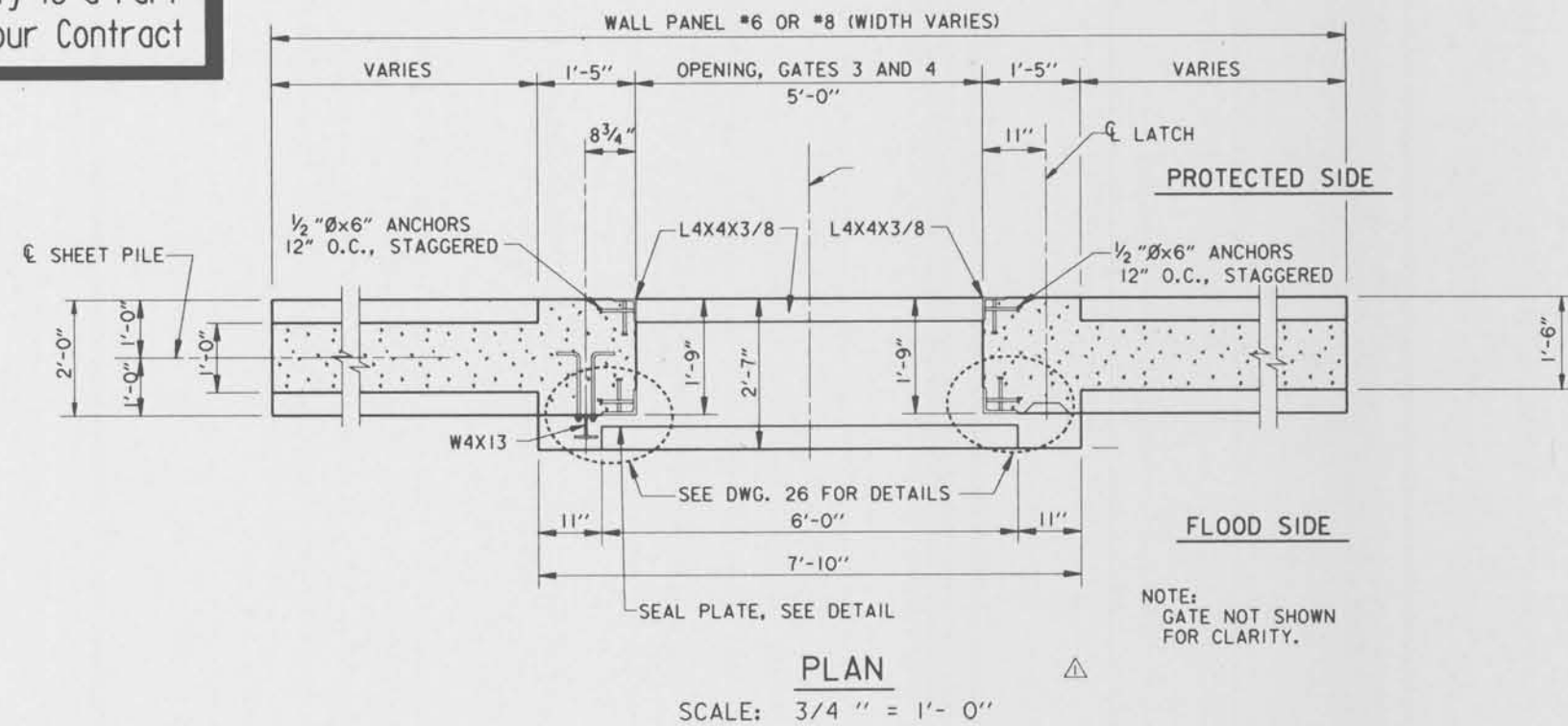
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 24	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CARD FILE: MM34.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. NO. 22 OF 79	

QUALITY
CONSTRUCTION
YOUR KEY TO
HIGHER PROFITS

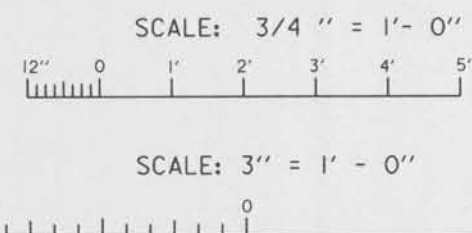
DETAIL "A"
SCALE: 1" = 1'-0"



Safety is a Part of Your Contract



GATES	SCHEDULE OF ELEVATIONS					
	D	E	F	G	H	J
3	6.5	5.75	3.0	5.5	5.0	2.5
4	7.5	6.75	4.0	6.5	6.0	2.5



THIS PLAN ACCOMPANIES MODIFICATION A00008 TO CONTRACT NUMBER DACW29-95-C-0093

NOTES:
 FOR GENERAL NOTES, SEE DWG. 2.
 FOR GATE MONOLITH REINFORCING, SEE DWG. 24.
 FOR SEAL DETAILS, SEE DWG. 26.
 CONTRACTOR MAY PROPOSE USE OF A MANUFACTURED GATE. GATE TYPE SUBJECT TO APPROVAL BY CONTRACTING OFFICER.
 5' GATE OPENING FOR ORLEANS PARISH SIDE ONLY.
 FOR GATES ON JEFFERSON PARISH SIDE, SEE DWG 23A.

SYMBOL	DESCRIPTION	DATE	APPROVED
△	REVISED GATES 3 & 4 DIMENSIONS, AND DELETED GATES 1 AND 2.	12-8-95	A.H.H.

REVISIONS

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 EAST JEFFERSON LEVEE DISTRICT
 EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA

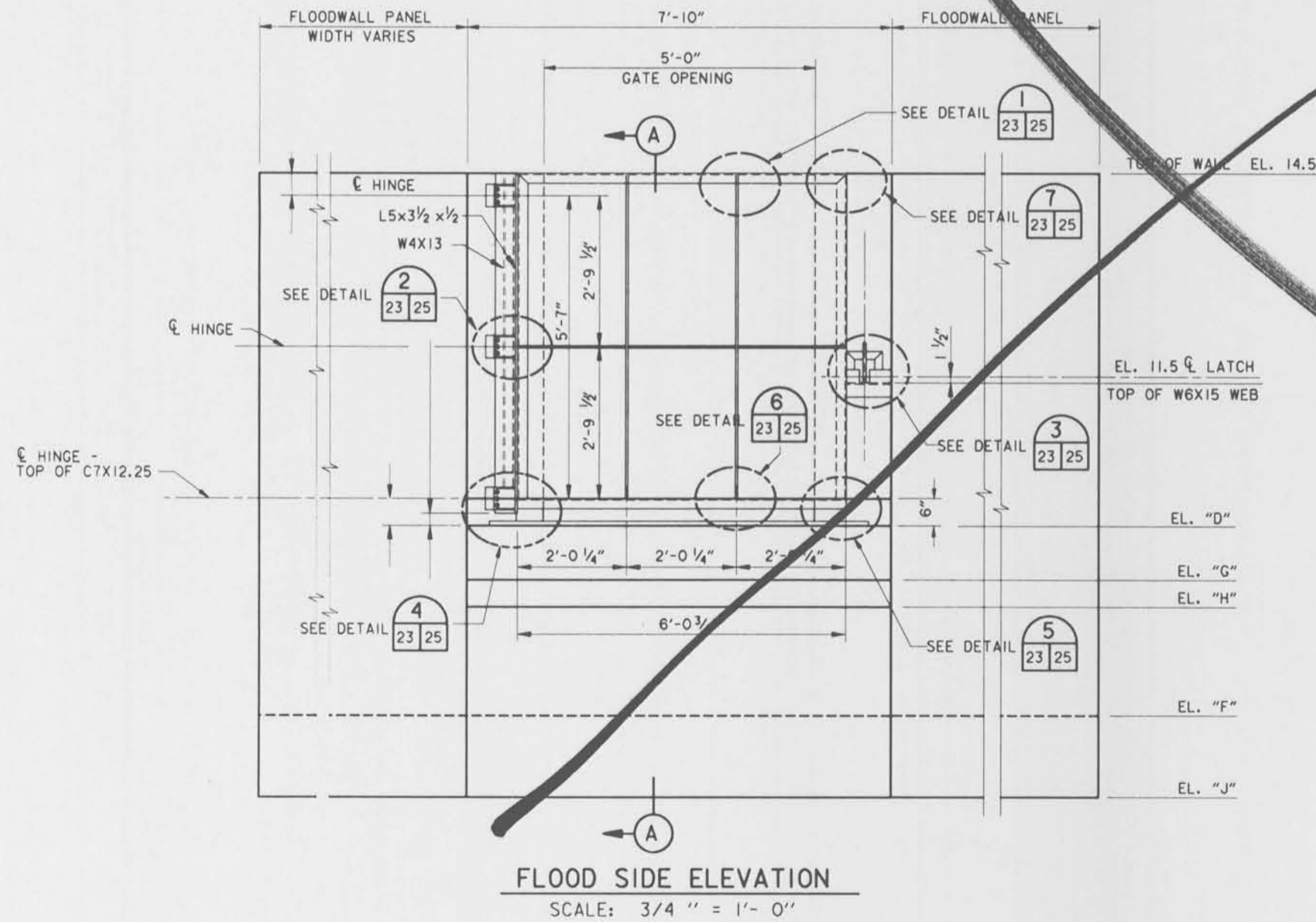
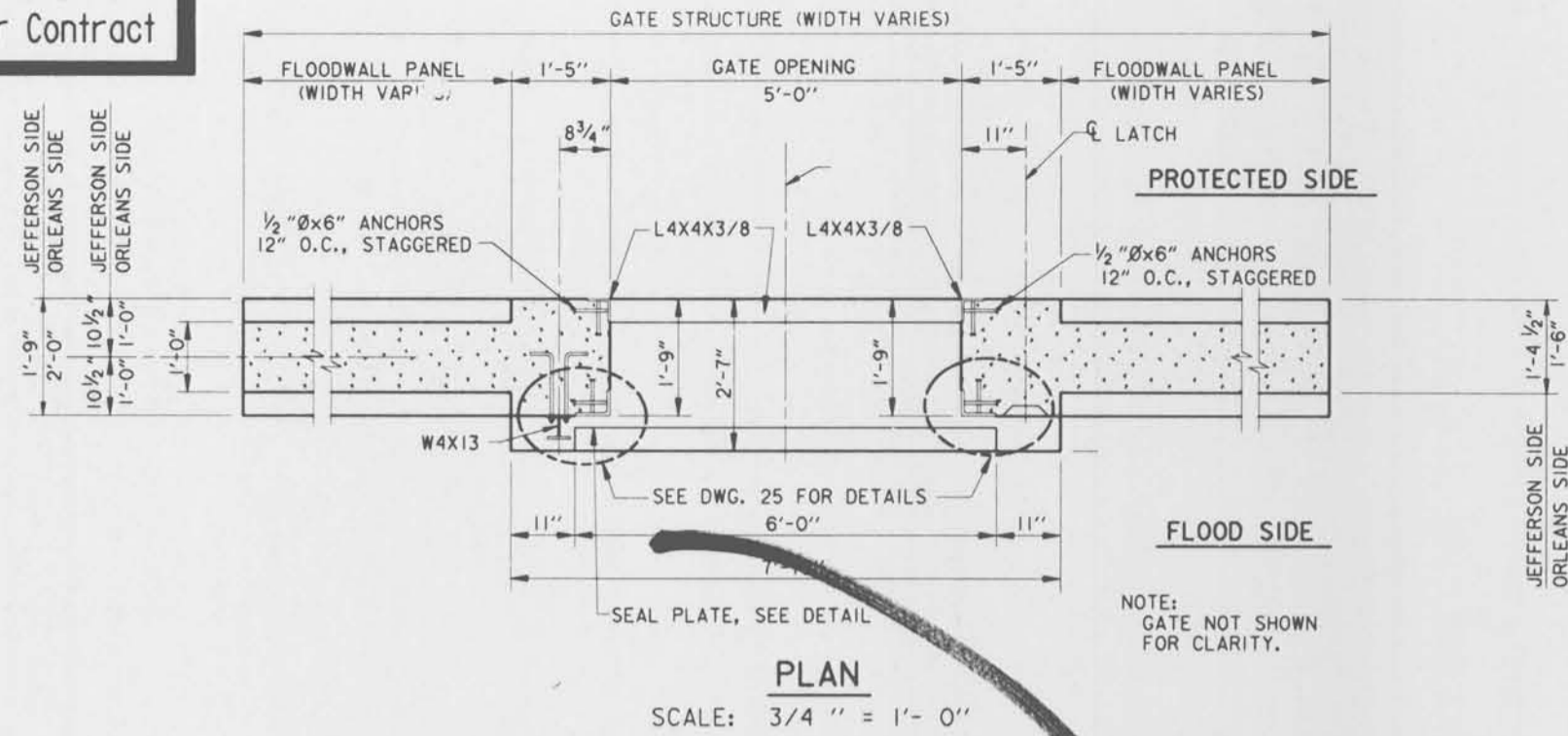
LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET OUTFALL CANAL
 METAIRIE RELIEF
 ORLEANS PARISH-JEFFERSON PARISH
 LOUISIANA

VETERANS BLVD. BRIDGES
 FLOODWALL GATE DETAILS - I

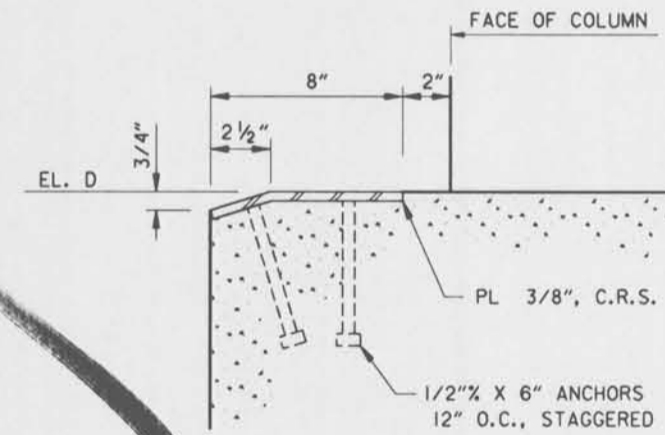
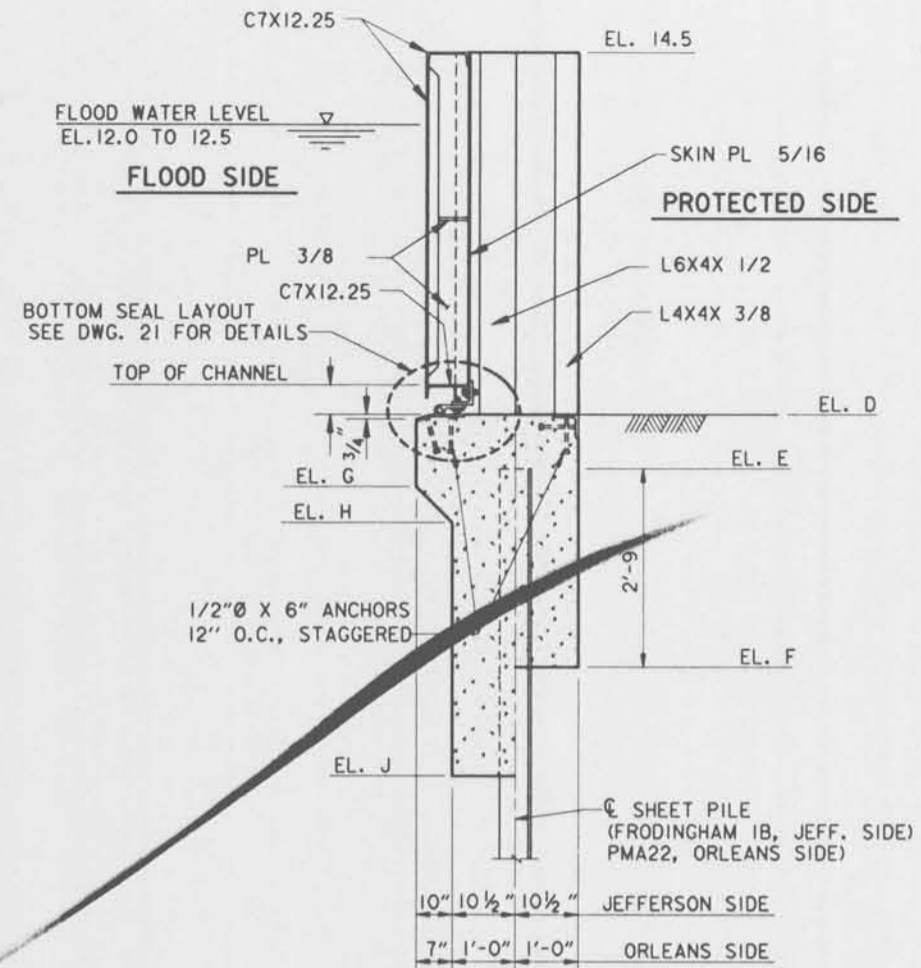
DESIGNED BY: A.A.H. DATE: JUNE 95 PLOT SCALE: 16 PLOT DATE: JUNE 95
 DRAWN BY: P.M.R. FILE NO. H-4-40359
 CHECKED BY: A.A.H. CADD FILE: MM36.DGN
 SUBMITTED BY: W.B. CONWAY SOLICITATION NO. DACW29-95-B-0095 DWG. 23 OF 79
 DESIGN ENGINEER



Safety is a Part of Your Contract

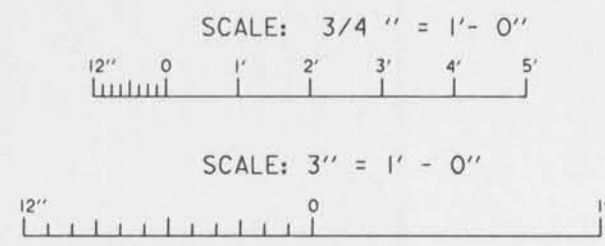
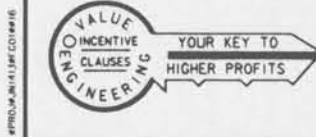


GATES	SCHEDULE OF ELEVATIONS					
	D	E	F	G	H	J
1	7.5	6.75	4.0	6.5	6.0	3.0
2	8.0	7.25	4.5	7.0	6.5	3.0
3	6.5	5.75	3.0	5.5	5.0	2.5
4	7.5	6.75	4.0	6.5	6.0	2.5

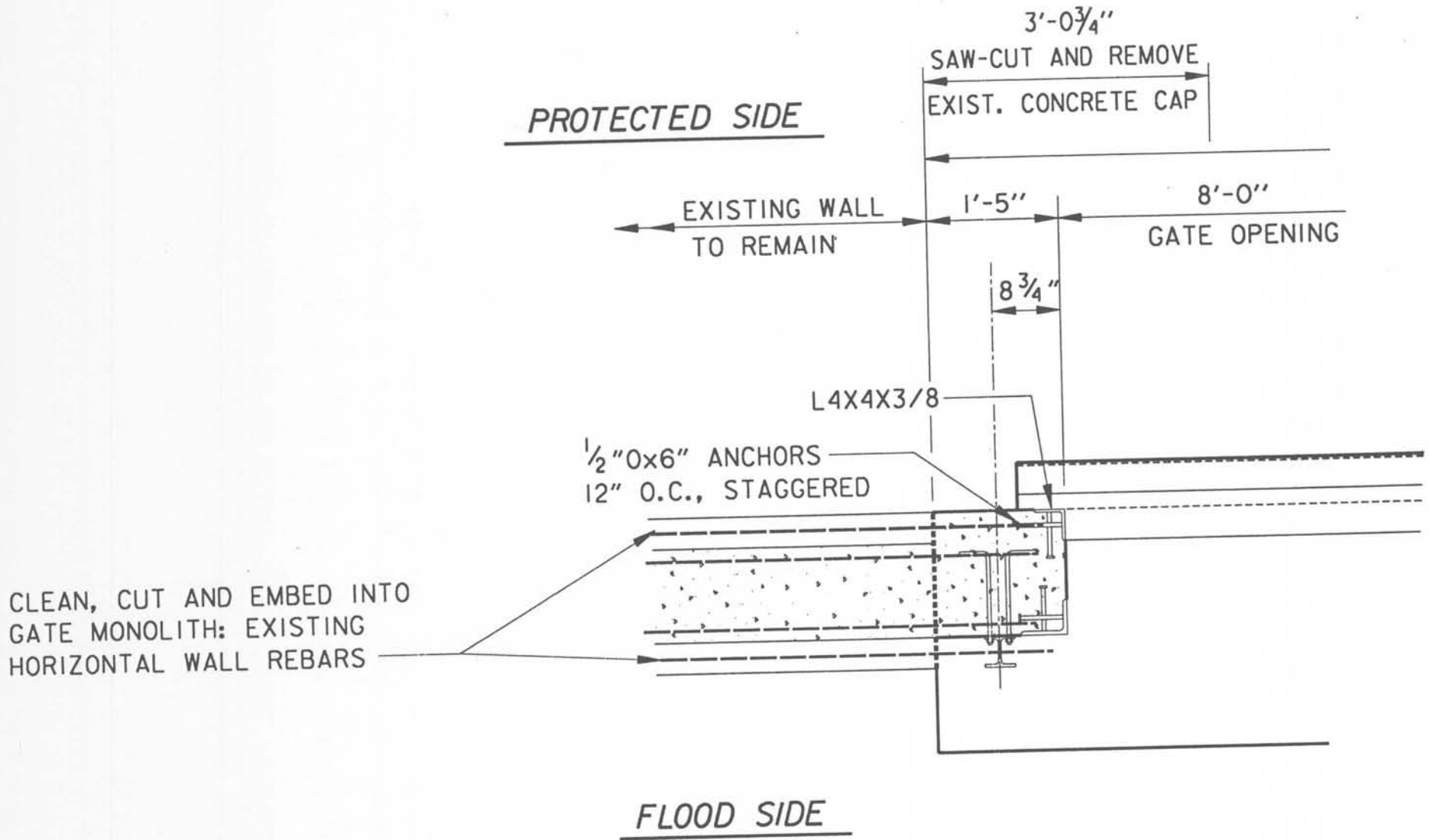


NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
FOR GATE MONOLITH REINFORCING, SEE DWG. 24.
FOR SEAL DETAILS, SEE DWG. 26.
CONTRACTOR MAY PROPOSE USE OF A MANUFACTURED GATE. GATE TYPE SUBJECT TO APPROVAL BY CONTRACTING OFFICER.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - I			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 16	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM36.DGN	FILE NO. H-4-40359	
CHECKED BY: A.A.H.	SOLICITATION NO. DACW29-95-B-0095	DWG. 23 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

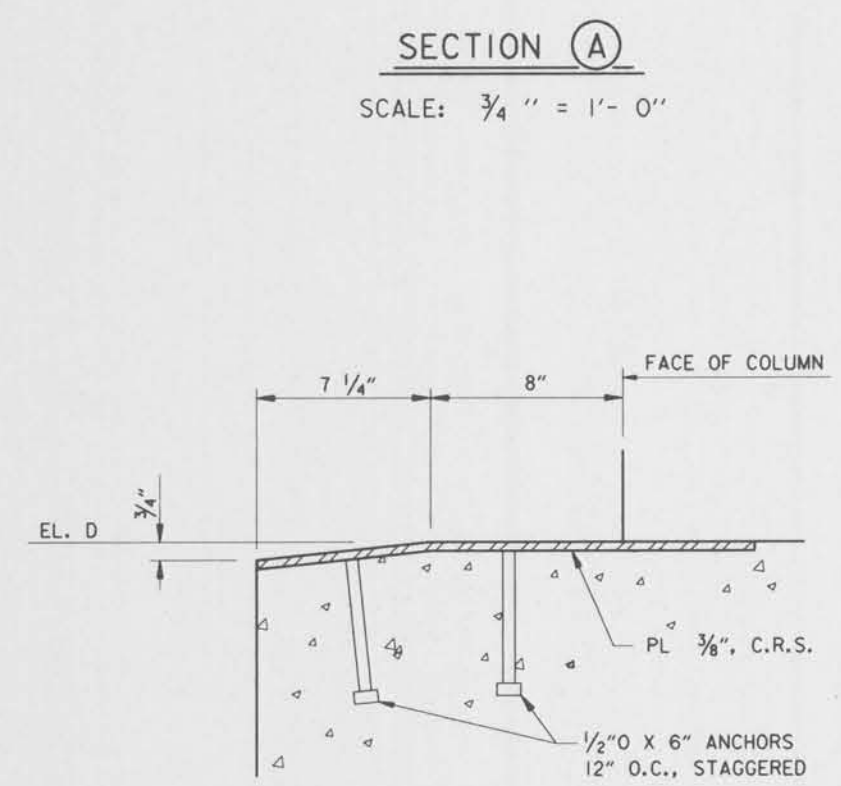
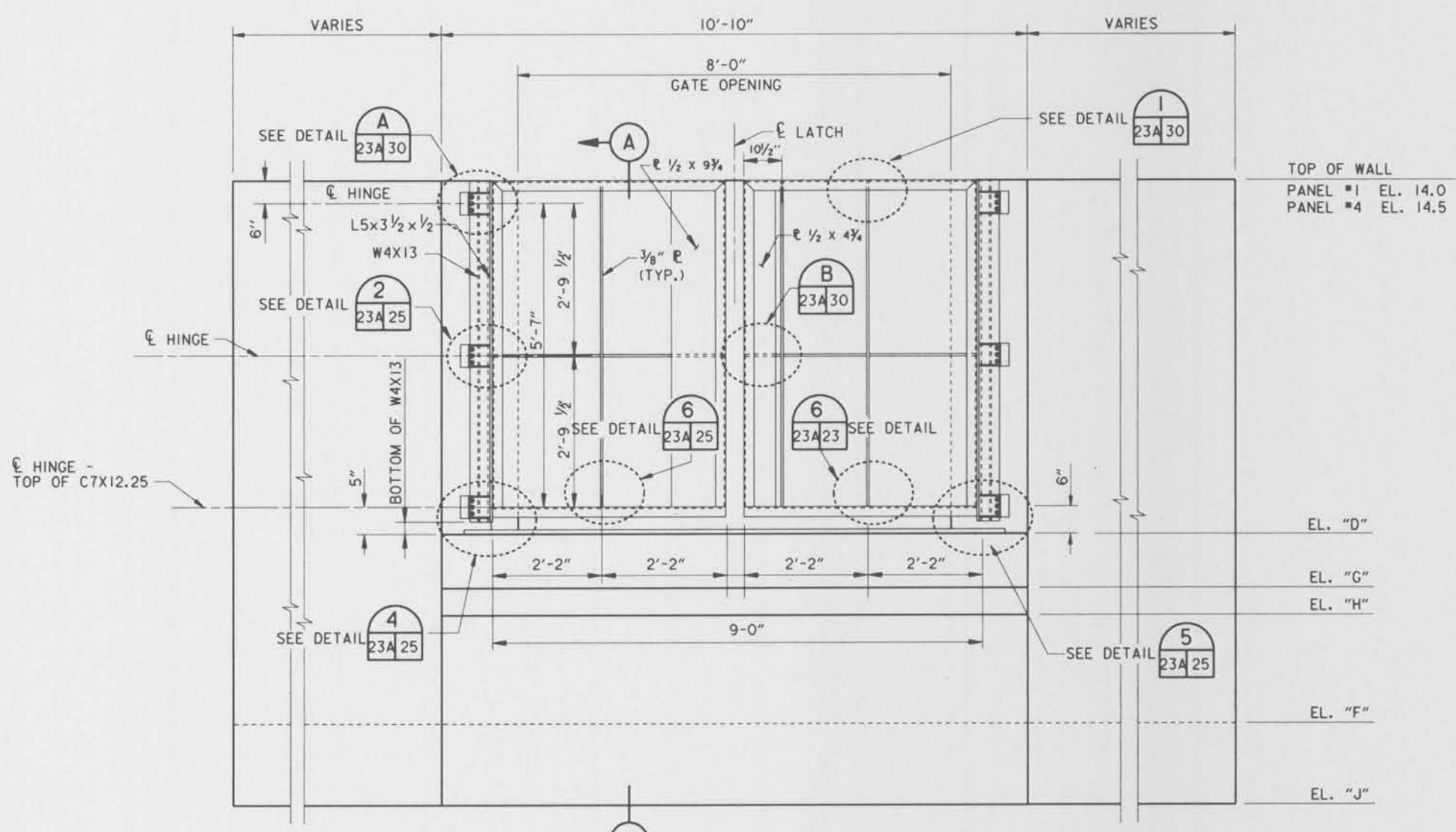
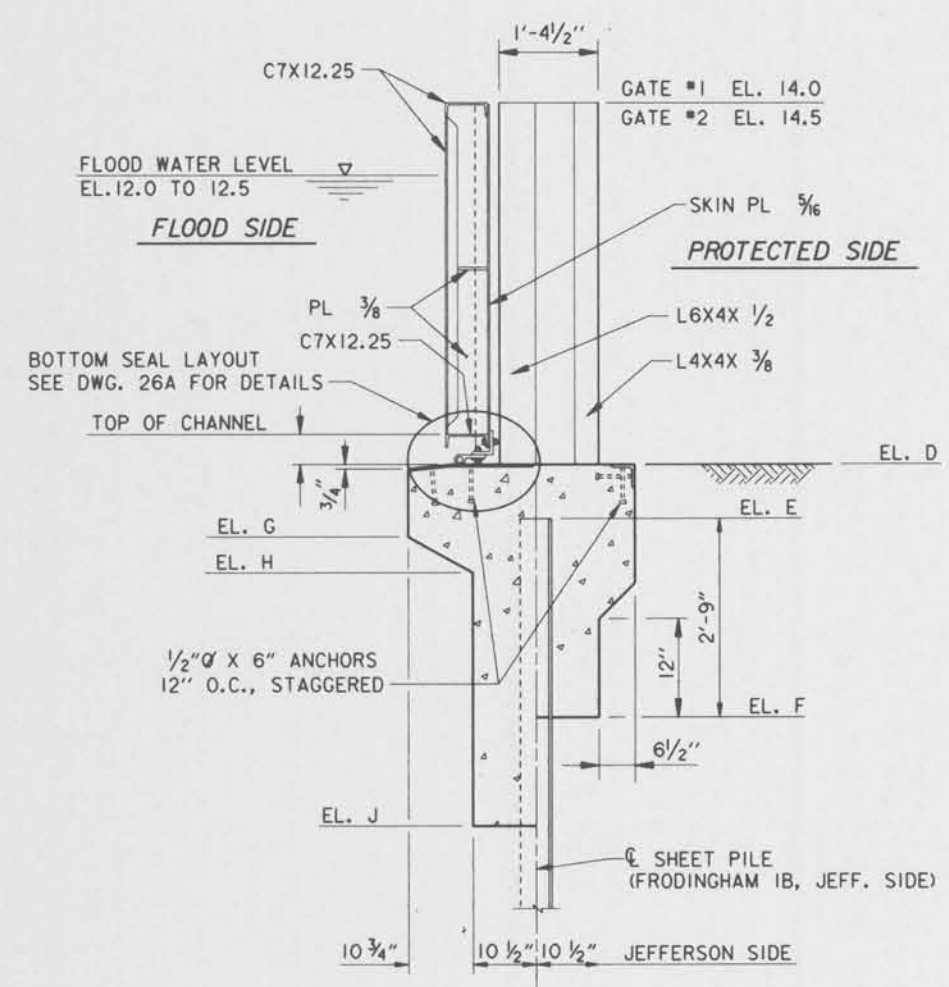
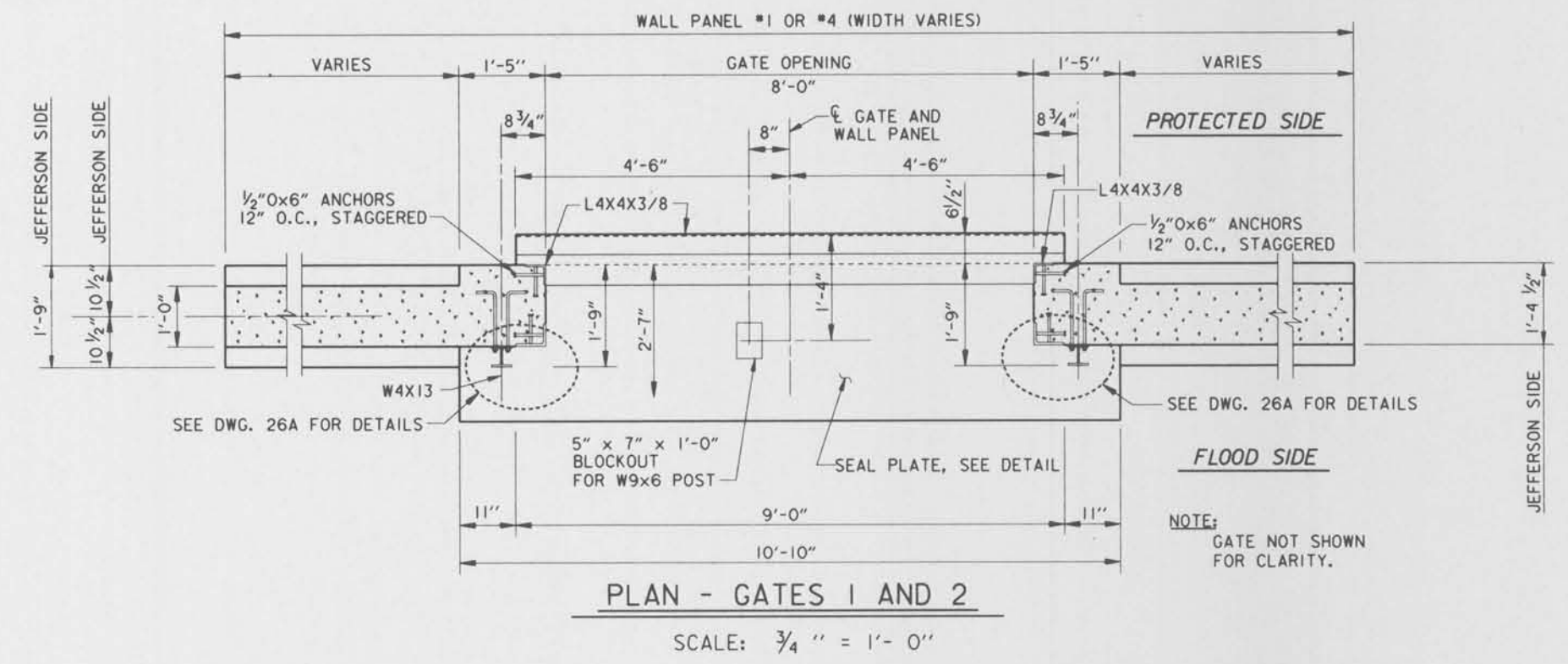


Gate No. 2



NOTE:
GATE NOT SHOWN
FOR CLARITY.

Safety is a Part of Your Contract

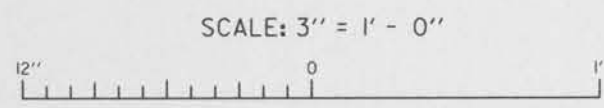
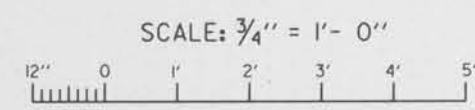


THIS PLAN ACCOMPANIES MODIFICATION A00008 TO CONTRACT NUMBER DACW29-95-C-0093

NOTES:

- FOR GENERAL NOTES, SEE DWG. 2.
- FOR GATE MONOLITH REINFORCING, SEE DWG. 24.
- FOR SEAL DETAILS, SEE DWG. 26.
- CONTRACTOR MAY PROPOSE USE OF A MANUFACTURED GATE. GATE TYPE SUBJECT TO APPROVAL BY CONTRACTING OFFICER.

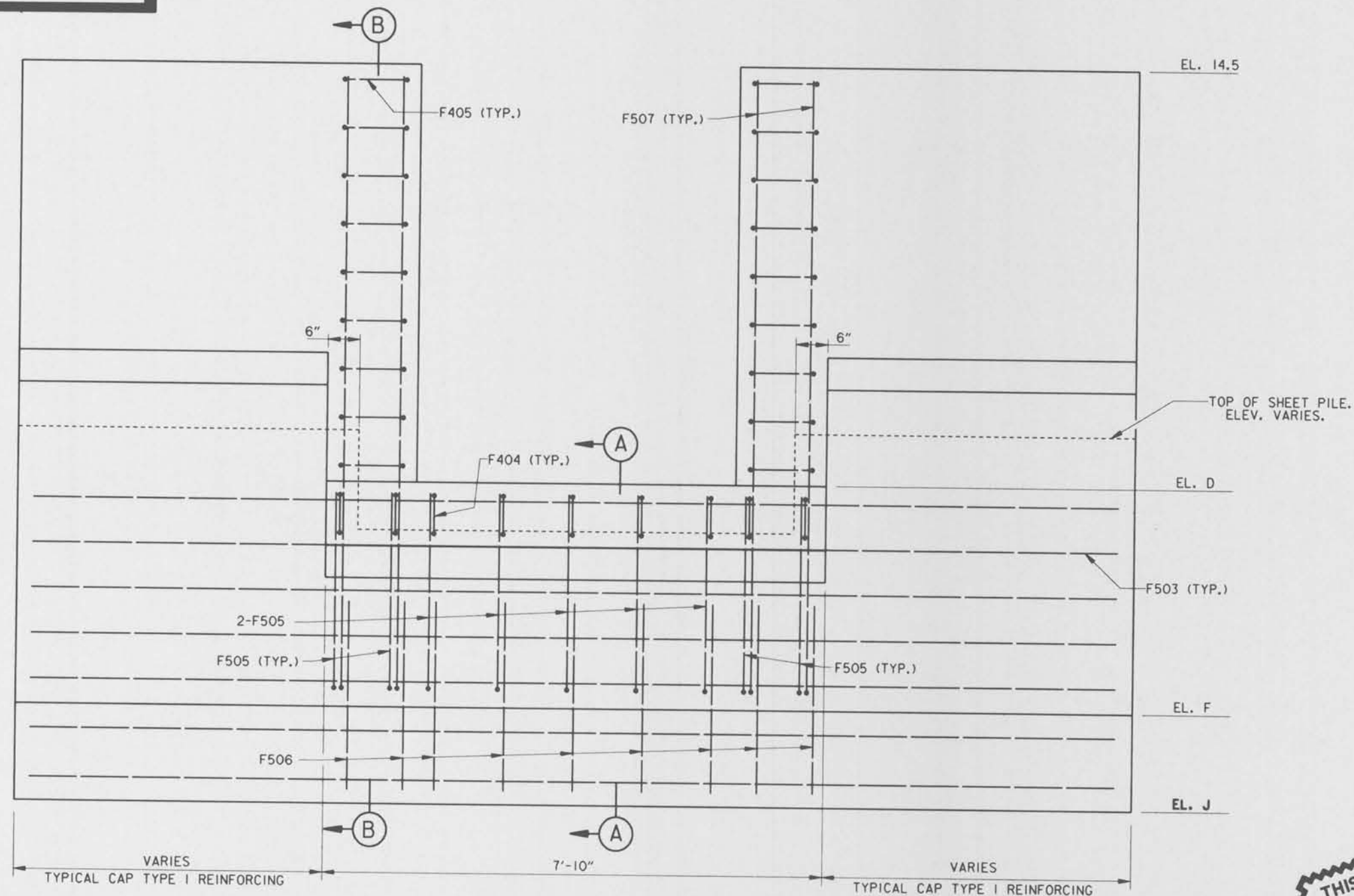
GATES	SCHEDULE OF ELEVATIONS					
	D	E	F	G	H	J
1	7.5	6.75	4.0	6.5	6.0	3.0
2	8.0	7.25	4.5	7.0	6.5	3.0



NEW DRAWING, MODIFICATION NO. 1.	12-8-95	A.A.H.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA
WOLSKEL & MASTERS INC. NEW ORLEANS, LOUISIANA		
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN		
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA		
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 1A		
DESIGNED BY: A.A.H.	DATE: APR., 1994	PLOT SCALE: 16
DRAWN BY: P.M.R.		PLOT DATE: NOV., 1995
CHECKED BY: A.A.H.	CADD FILE: MNN21.DGN	FILE NO: H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO: DACW29-95-B-0095	DWG. 23A OF 79

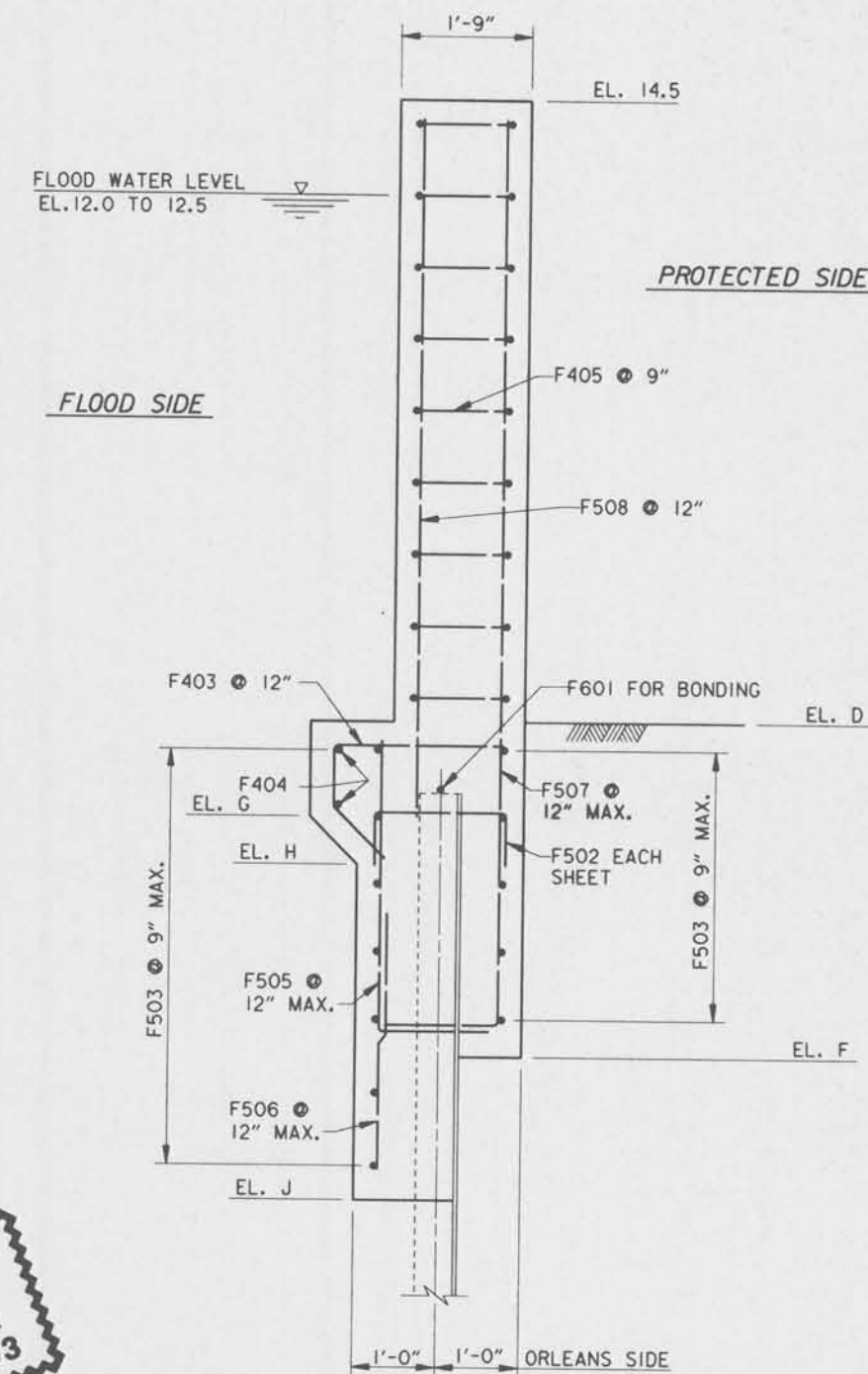
12/15/95 10:30 AM

Safety is a Part of Your Contract



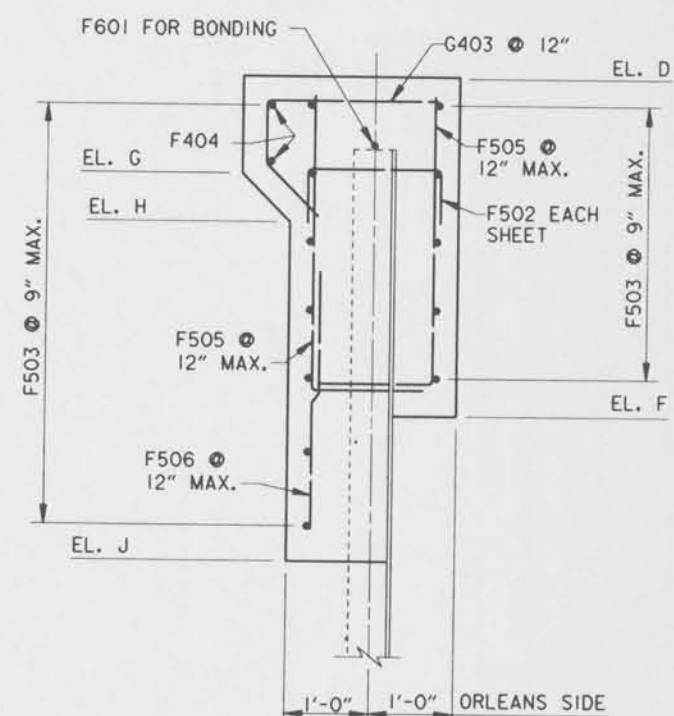
FLOOD SIDE ELEVATION
GTAES 3 AND 4
SCALE: 1" = 1'-0"

NOTE:
FOR TYPICAL CAP REINFORCING, SEE DWG. NO. 22.
FOR ELEVATIONS, SEE TABLE ON DWG. NO. 23.



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

THIS PLAN ACCOMPANIES
MODIFICATION A00008
TO CONTRACT NUMBER
DACW29-95-C-0093



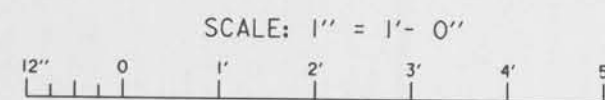
SECTION A
SCALE: 1" = 1'-0"

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
FOR GATE MONOLITH MASONRY, SEE DWG. 23.
FOR GATE LATCHING DETAILS, SEE DWG. 27.

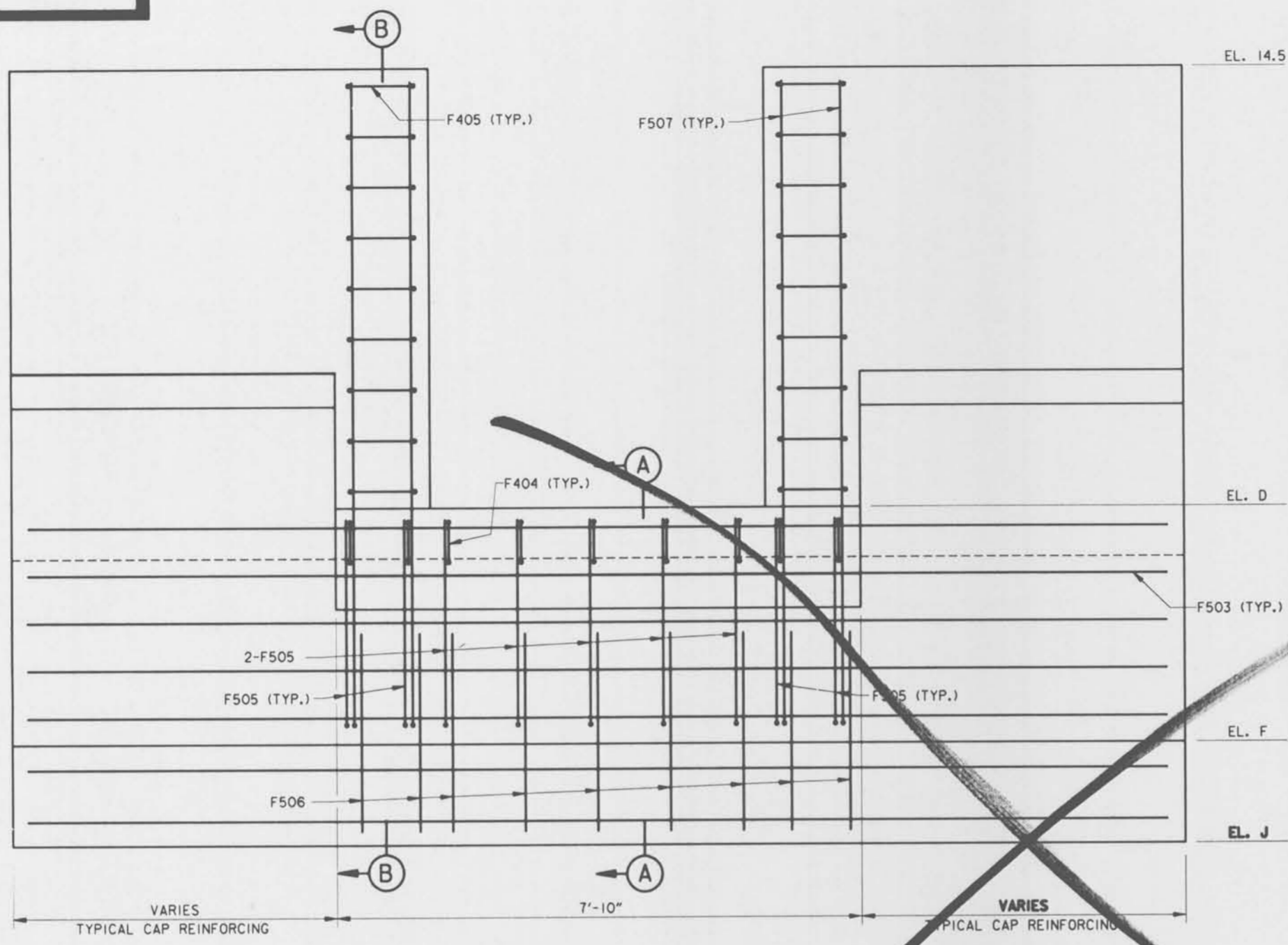
SYMBOL	DESCRIPTION	DATE	APPROVED
△	JEFFERSON PARISH SIDE REFERENCES DELETED.	12-8-95	A.A.H.
	MOD. NO. 1		

REVISIONS	
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA	
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA	

LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF			
ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 2			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MM35.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095		DWG. 24 OF 79

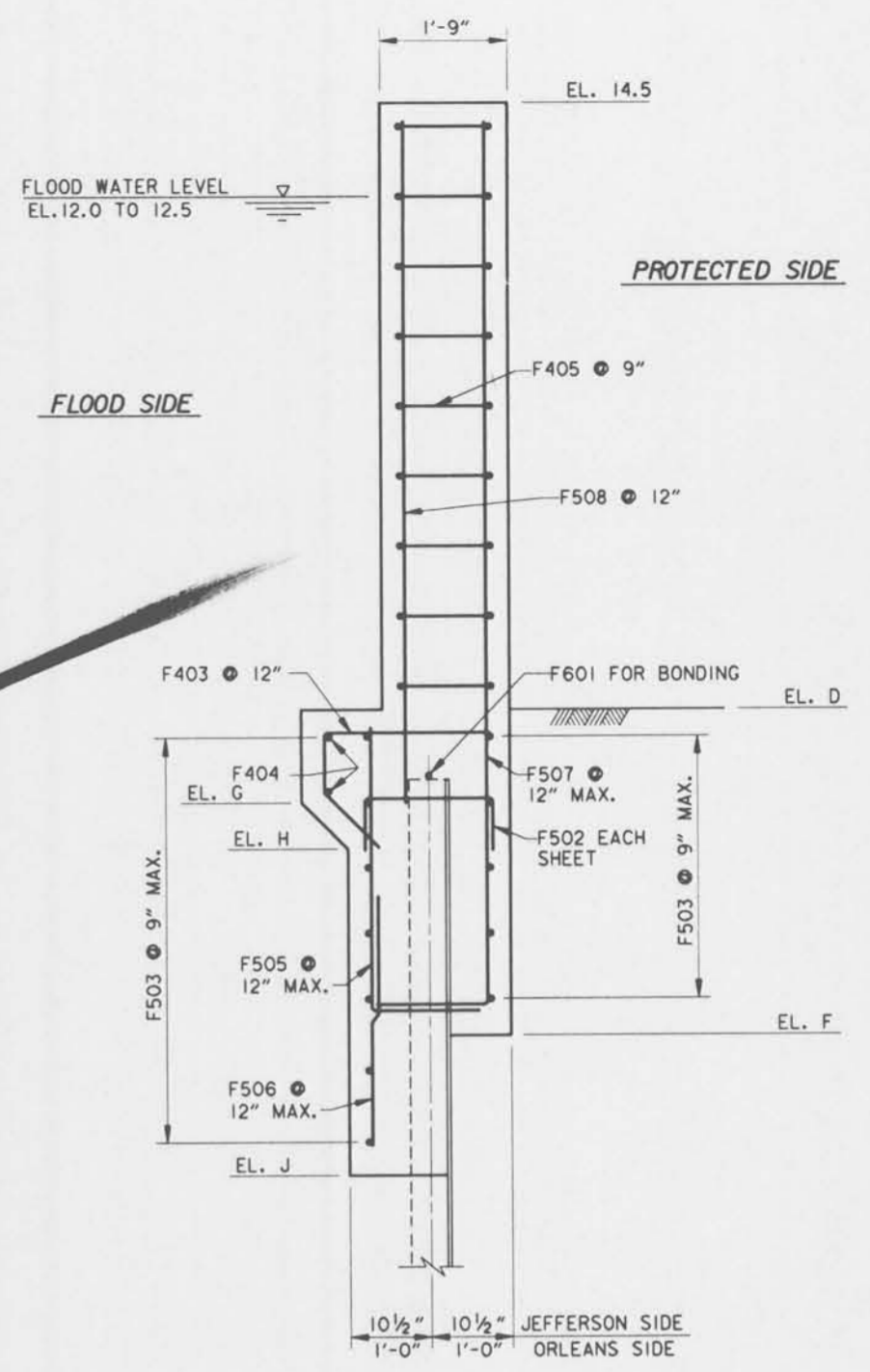


Safety is a Part of Your Contract

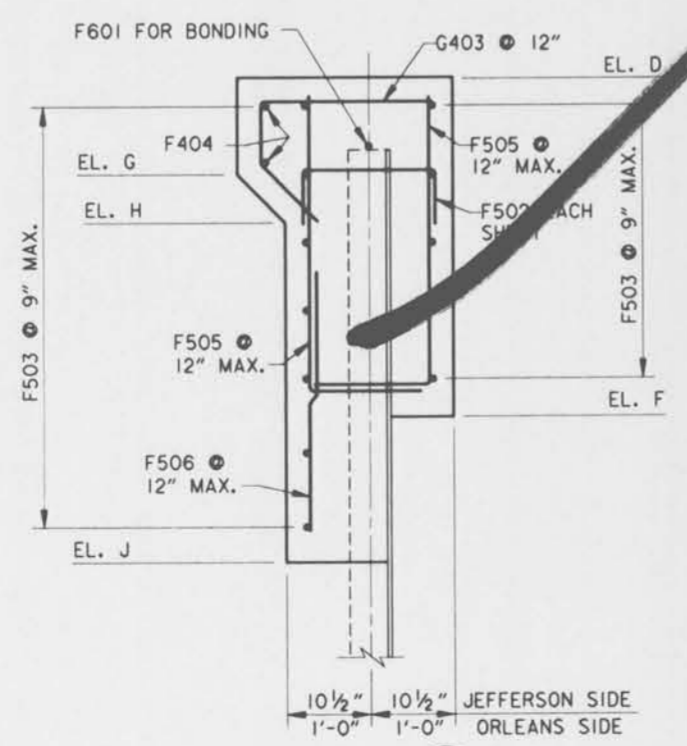


FLOOD SIDE ELEVATION
SCALE: 1" = 1'- 0"

NOTE:
FOR TYPICAL CAP REINFORCING, SEE DWG. NO. 22.



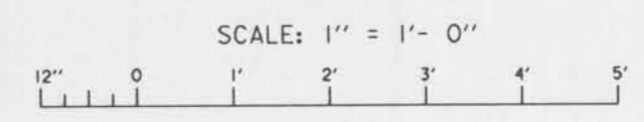
SECTION (B)
SCALE: 1" = 1'- 0"

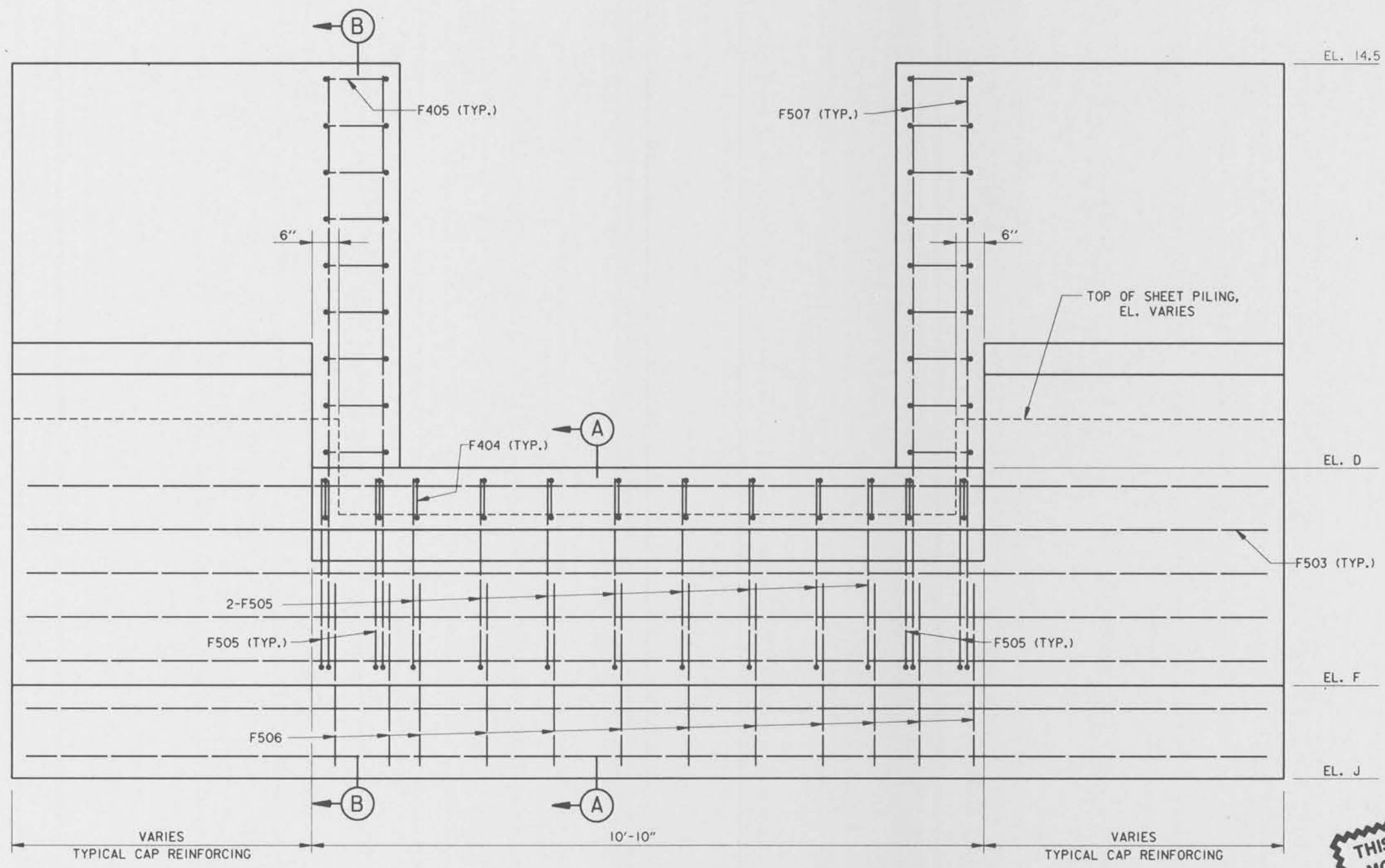


SECTION (A)
SCALE: 1" = 1'- 0"

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
FOR GATE MONOLITH MASONRY, SEE DWG. 23.
FOR GATE LATCHING DETAILS, SEE DWG. 26.

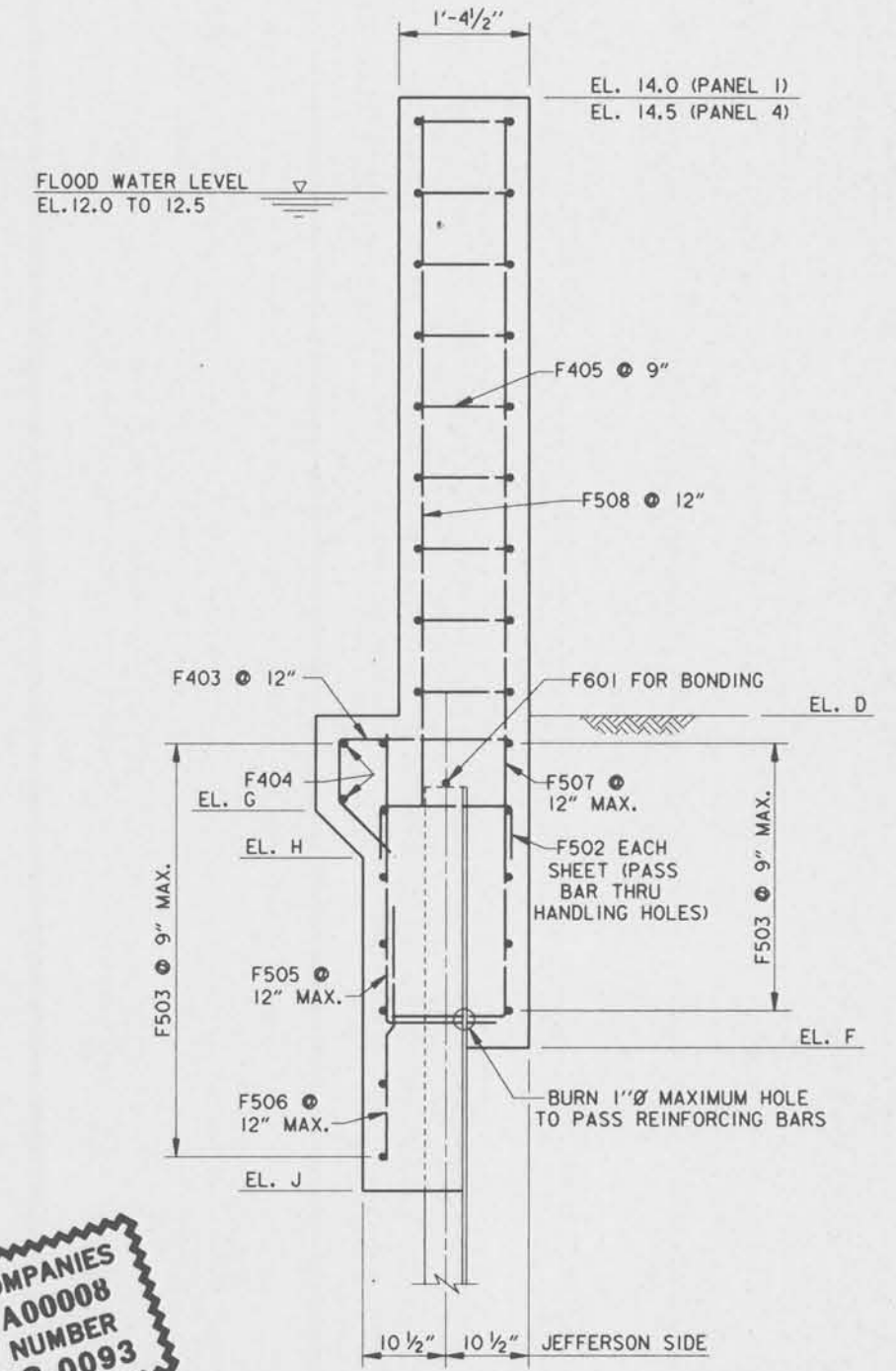
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 2			
DESIGNED BY:	A.A.H.	DATE:	JUNE 95
DRAWN BY:	P.W.R.	PLOT SCALE:	12
CHECKED BY:	N.M.	FILE NO.:	H-4-40359
SUBMITTED BY:	W.B. CONWAY	SOLICITATION NO.:	DACW29-95-B-0095
DESIGN ENGINEER		DWG. NO.:	24 OF 79





FLOOD SIDE ELEVATION GATES 1 AND 2

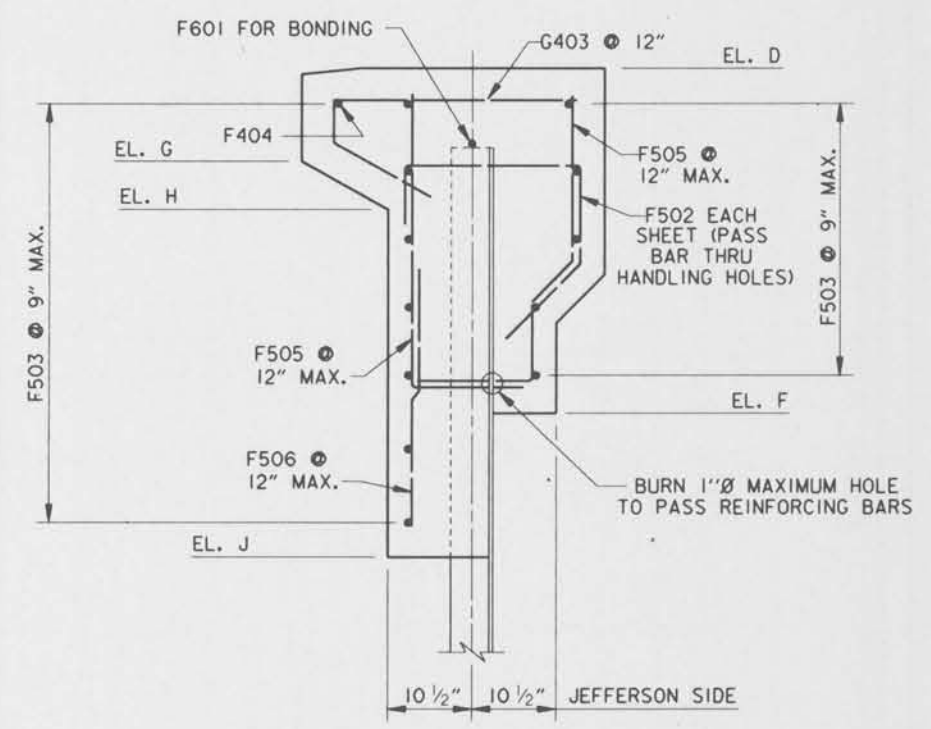
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SECTION (B)

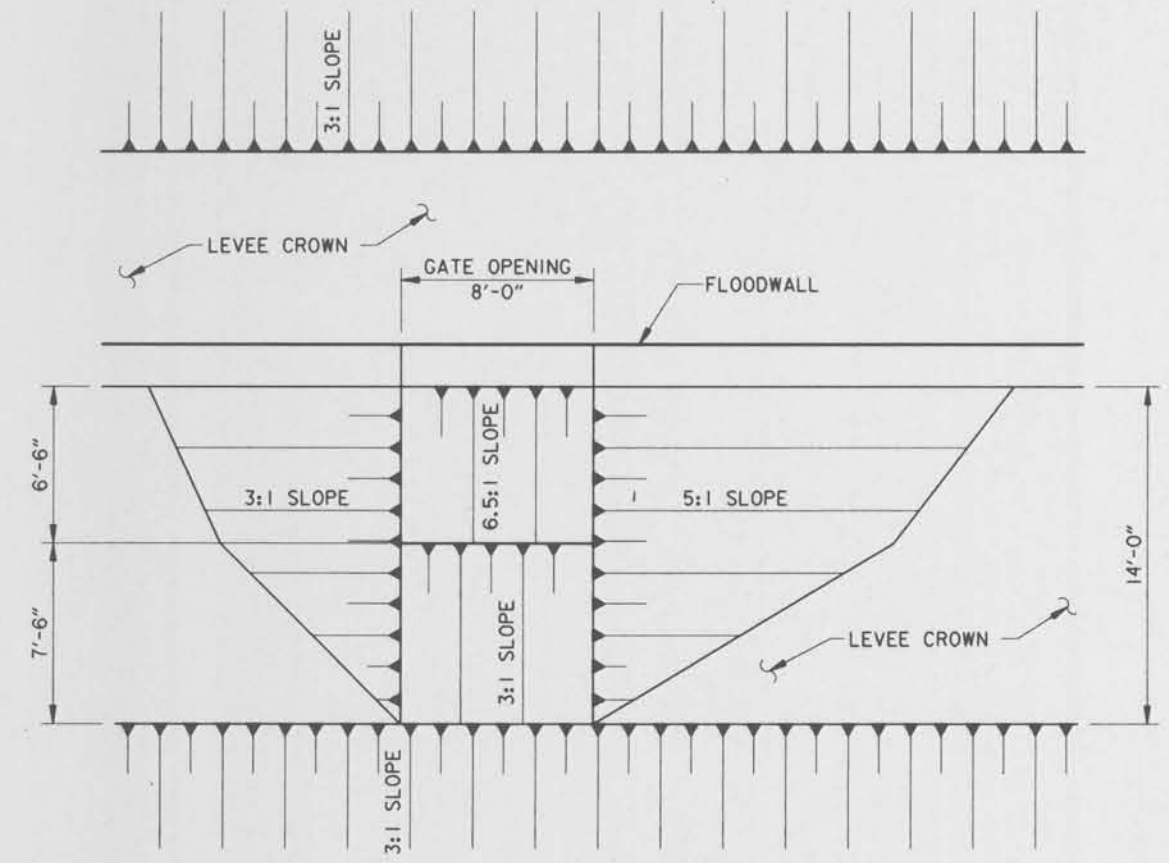
SCALE: 1" = 1'- 0"

THIS PLAN ACCOMPANIES
MODIFICATION A00008
TO CONTRACT NUMBER
DACW29-95-C-0093



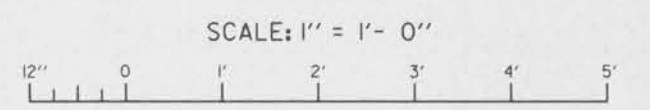
SECTION (A)

SCALE: 1" = 1'- 0"



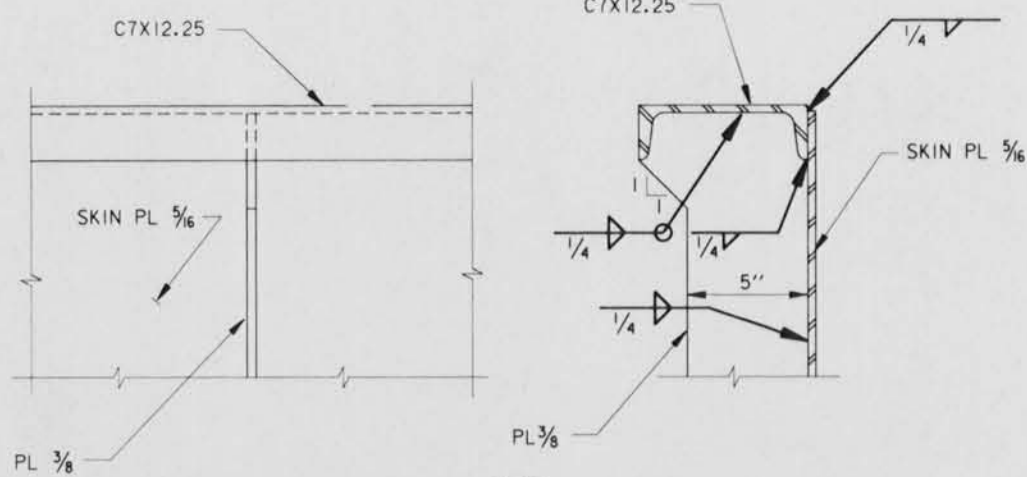
FLOODGATE RAMP

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

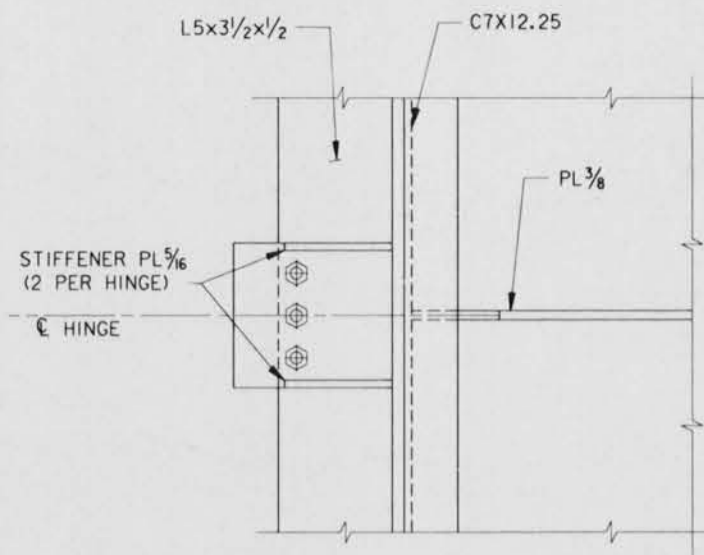


NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
FOR GATE MONOLITH MASONRY, SEE DWG. 23A.
FOR GATE LATCHING DETAILS, SEE DWG. 26.

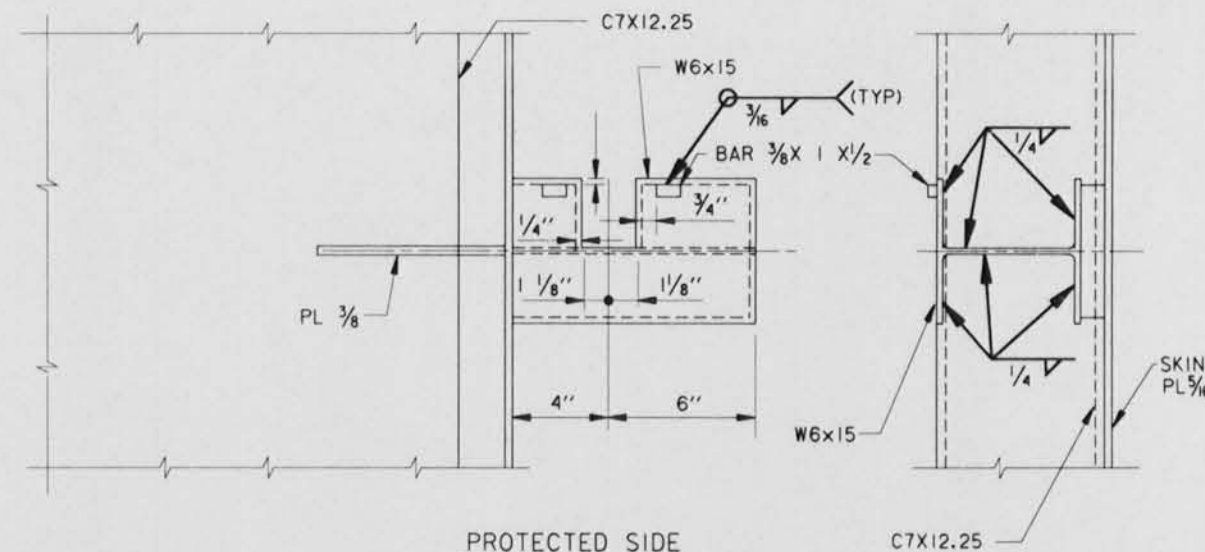
NEW DRAWING, MODIFICATION NO. 1.	12-8-95	A.A.H.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA		
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA		
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 2A		
DESIGNED BY: A.A.H.	DATE: NOV. 1995	PLOT SCALE: 12
DRAWN BY: P.M.R.		PLOT DATE: NOV. 1995
CHECKED BY: N.M.	CADD FILE: MMW22.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 24A OF 79



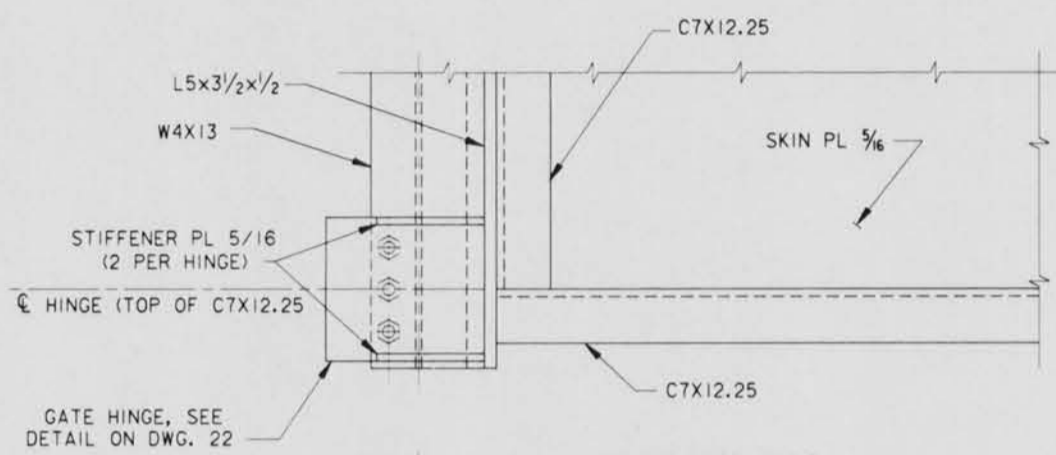
DETAIL 1
23/25



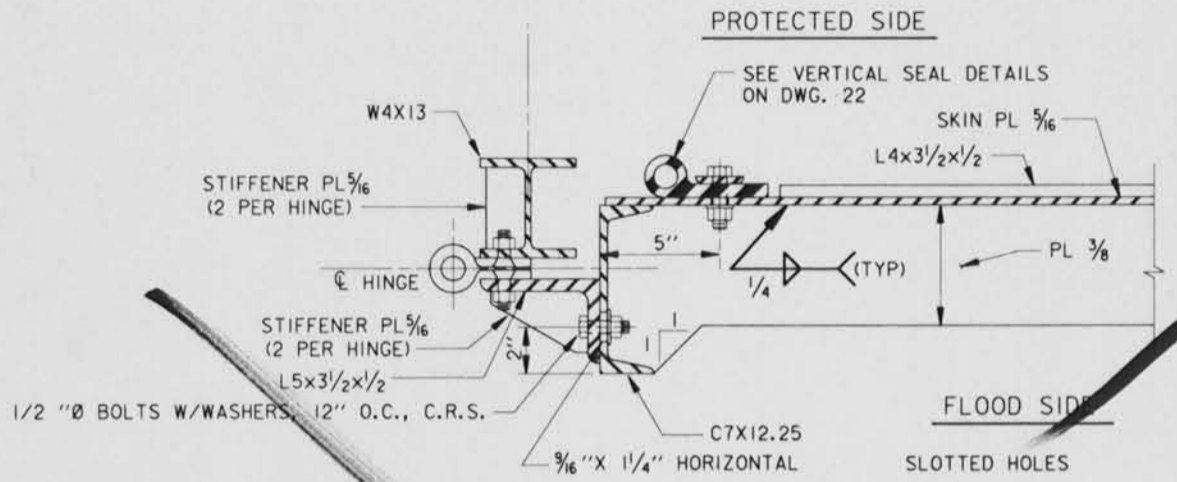
DETAIL 2
23/25



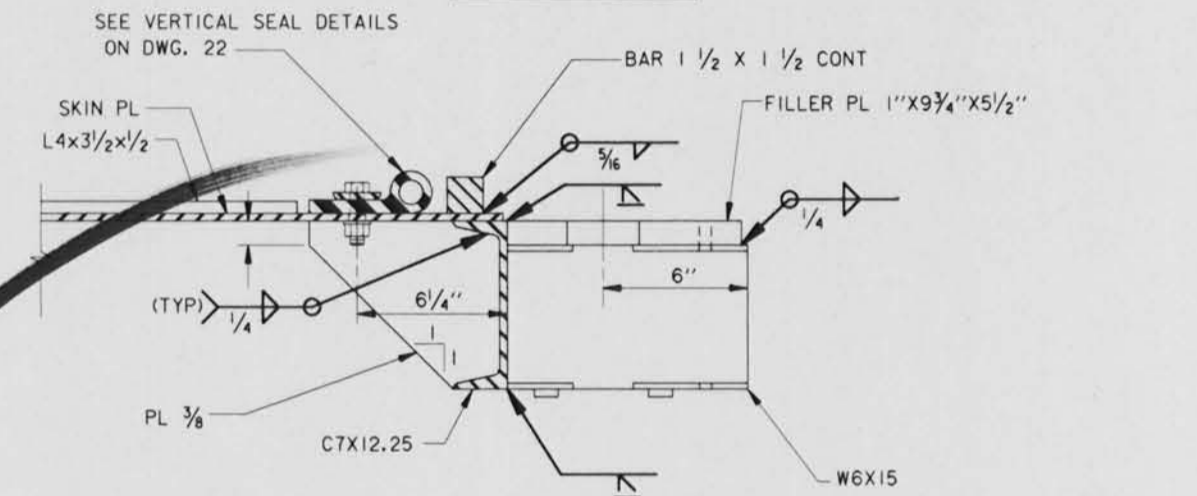
DETAIL 3
23/25



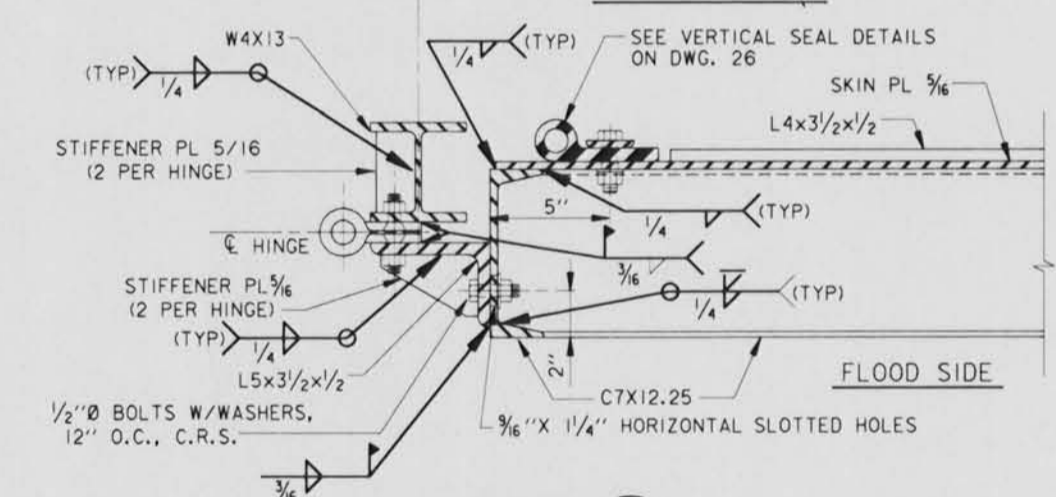
DETAIL 4
23/25



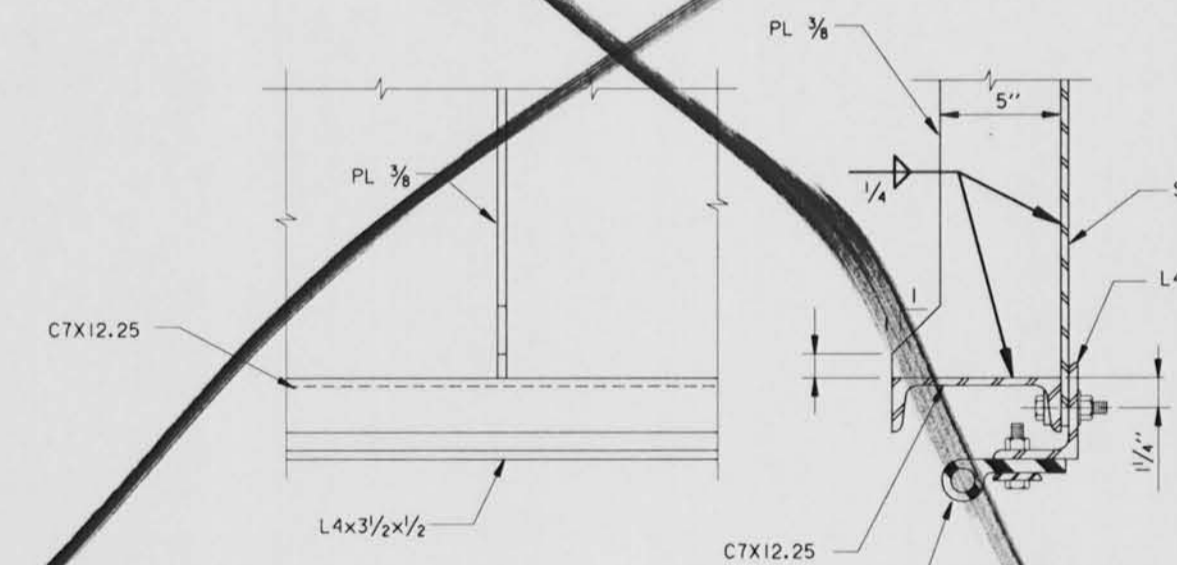
DETAIL 5
23/25



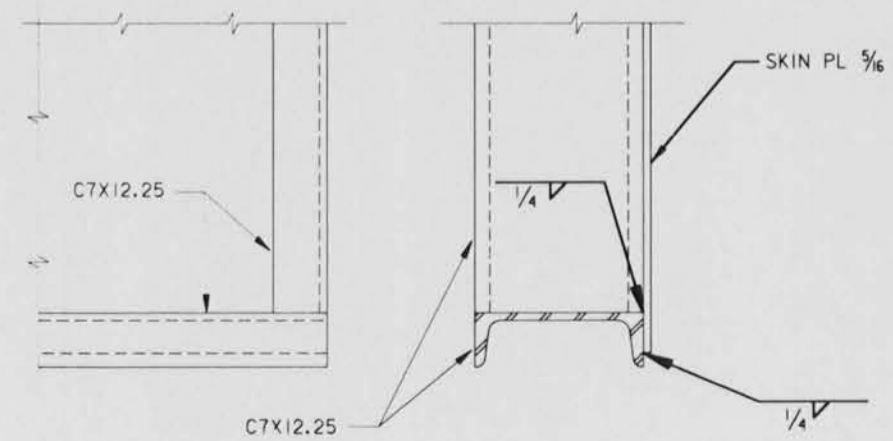
DETAIL 6
23/25



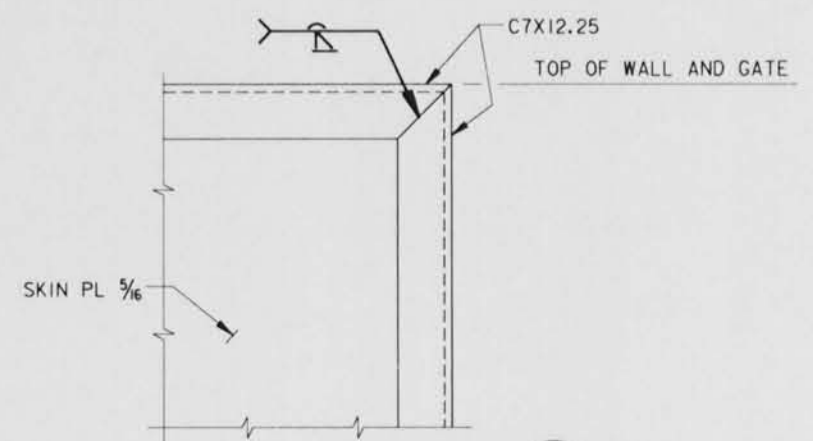
DETAIL 7
23/25



DETAIL 8
23/25



DETAIL 9
23/25



DETAIL 10
23/25

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

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
FOR GATE MONOLITH MASONRY DETAILS, SEE DWG. 23.
FOR SEAL DETAILS, SEE DWG. 26.

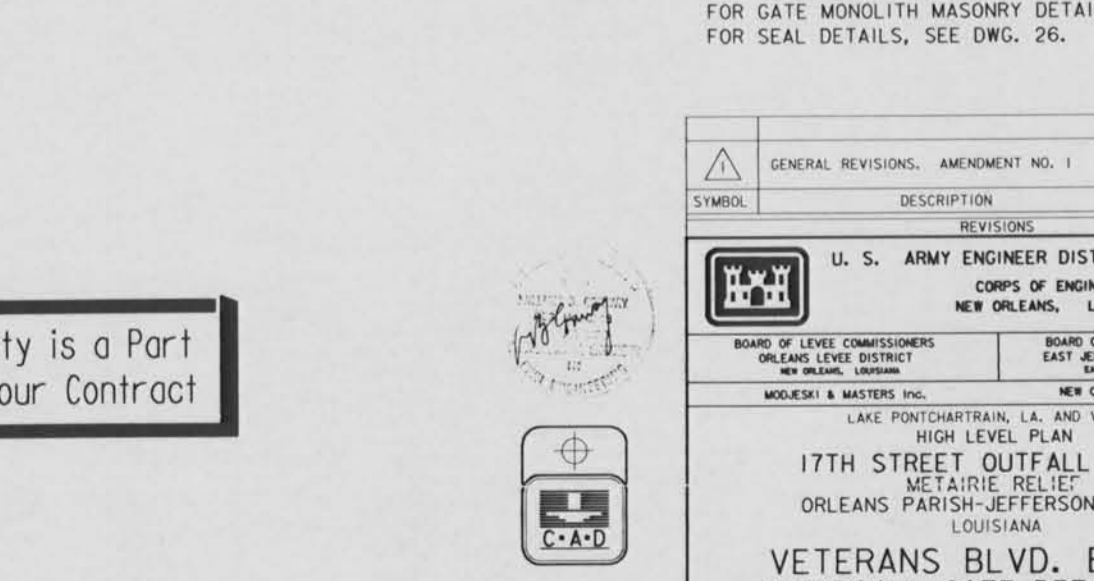
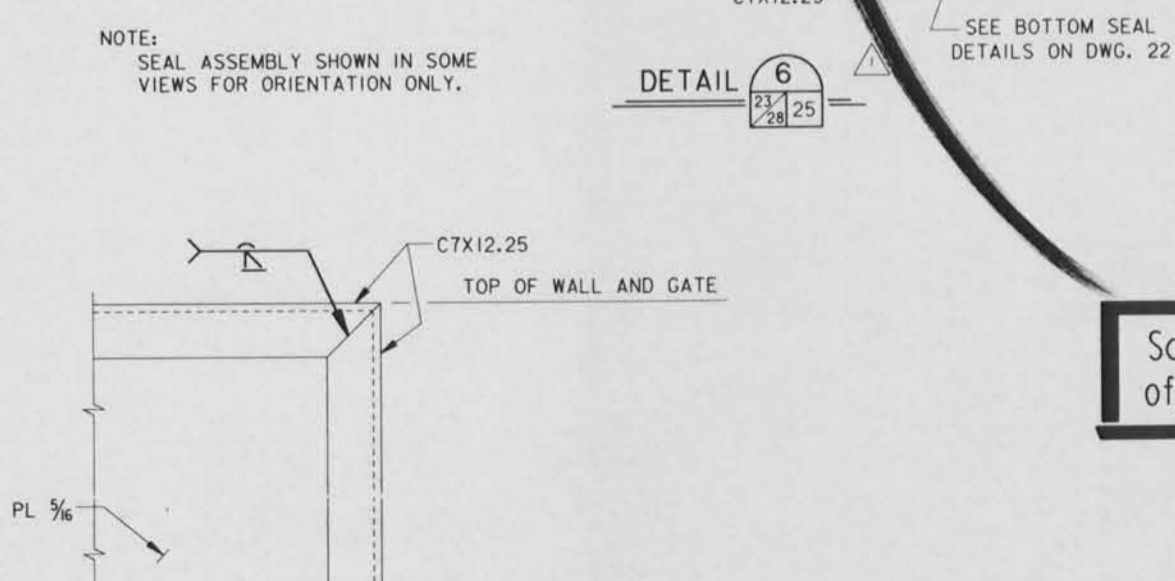
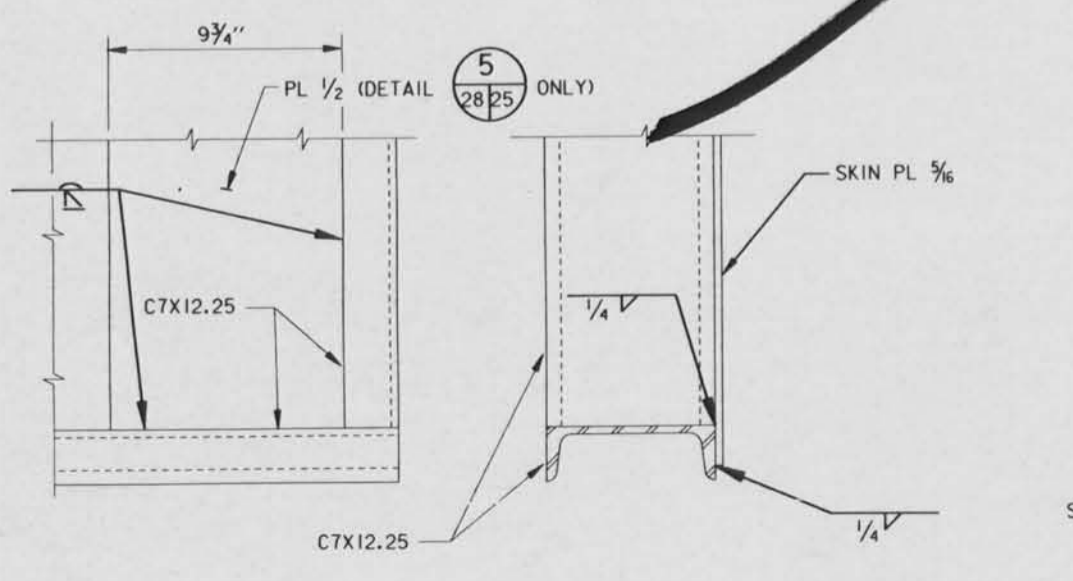
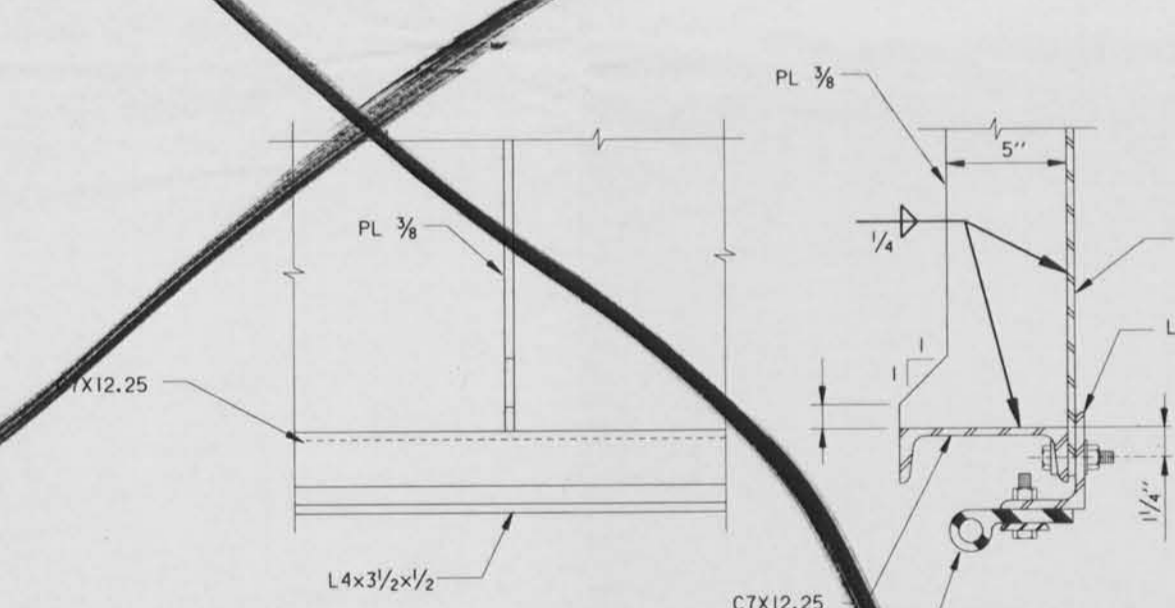
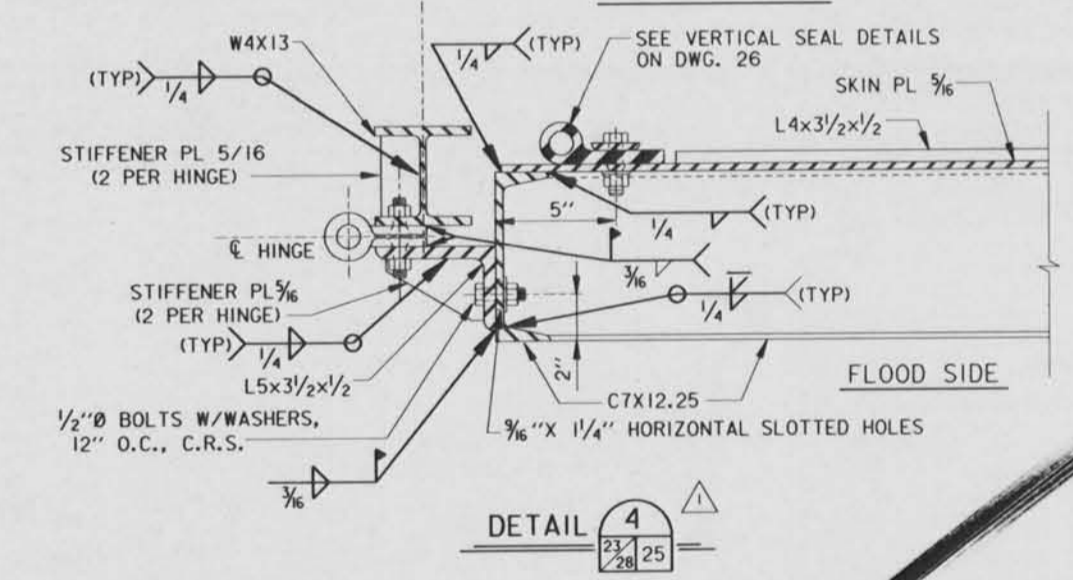
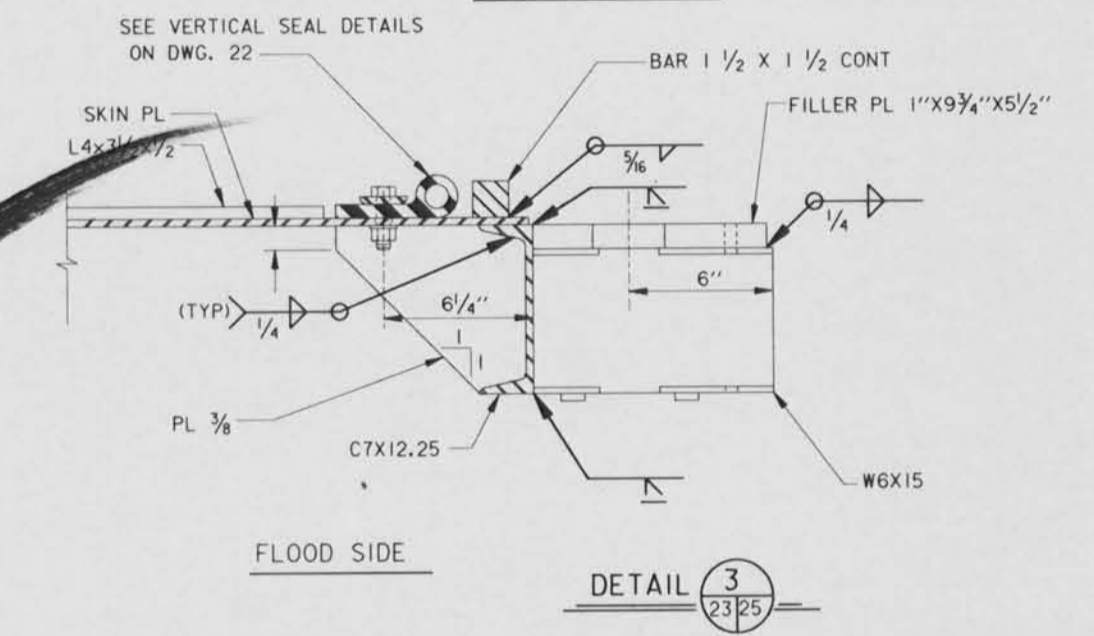
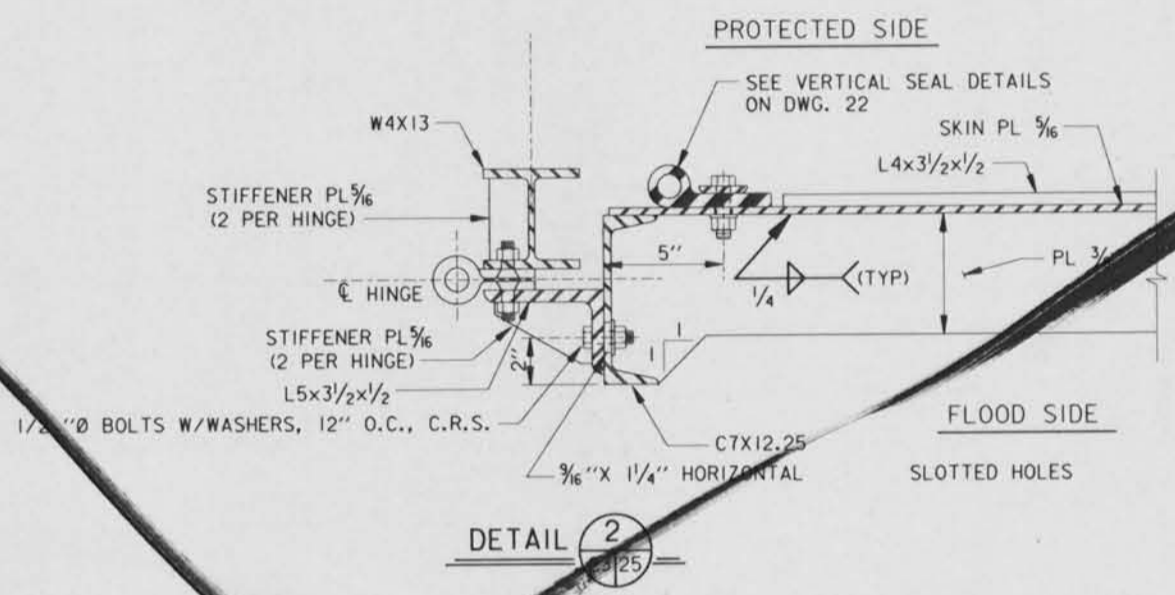
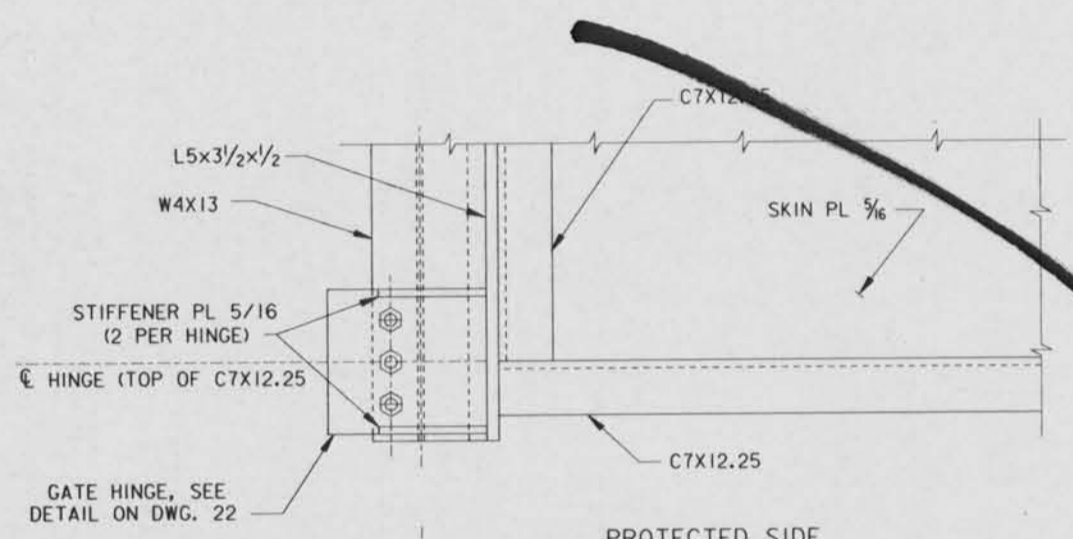
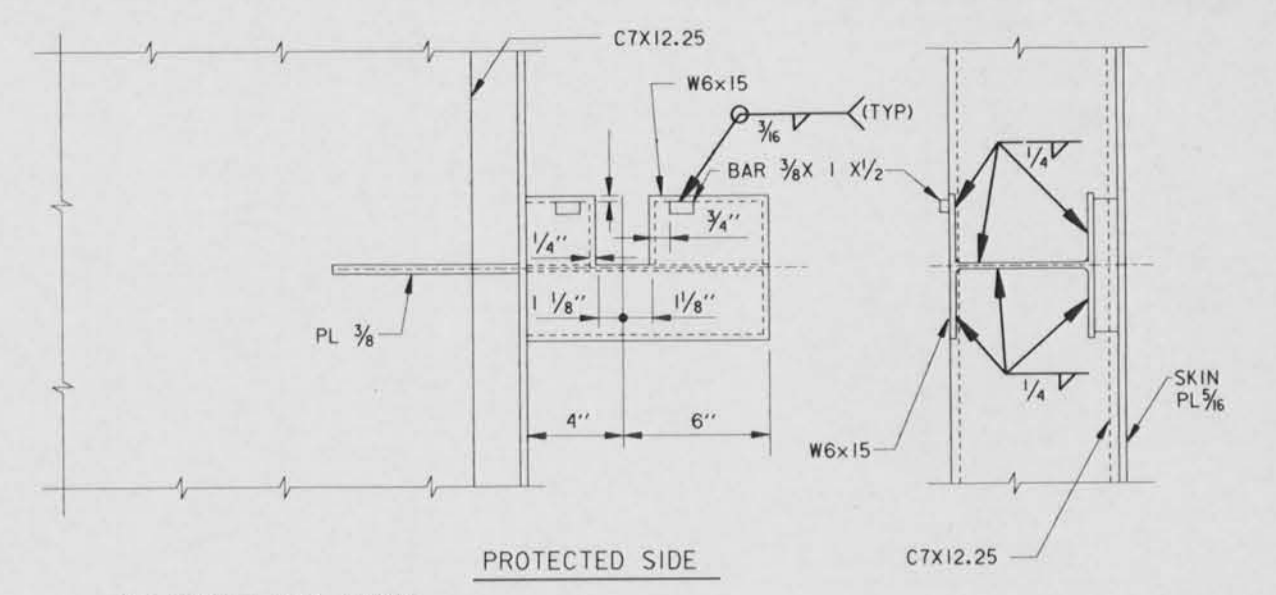
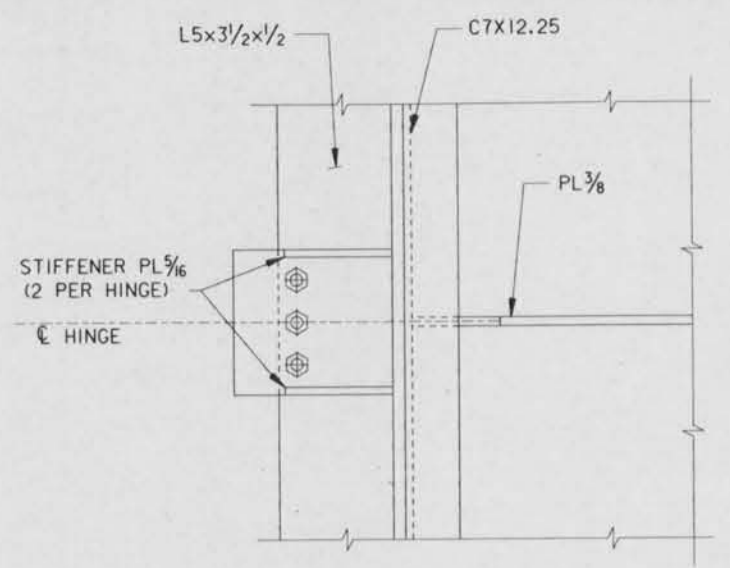
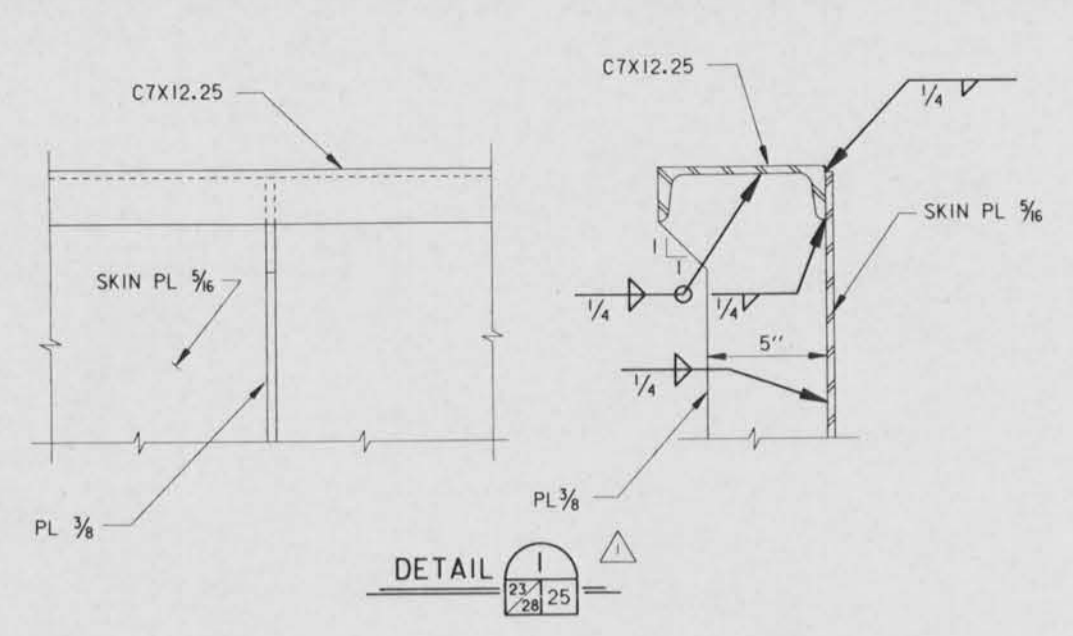
Safety is a Part of Your Contract

SCALE: 3" = 1' - 0"



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT NEW ORLEANS, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 3			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM37.DGN	FILE NO. H-4-40359	
CHECKED BY: A.A.H.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		
SOLICITATION NO. DACW29-95-B-0095		DWG. 25 OF 79	



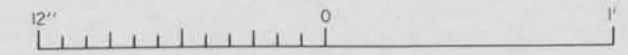


NOTE: SEAL ASSEMBLY SHOWN IN SOME VIEWS FOR ORIENTATION ONLY.

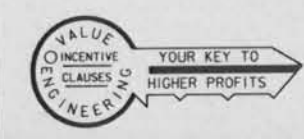
NOTES:
FOR GENERAL NOTES, SEE DWG. 2 .
FOR GATE MONOLITH MASONRY DETAILS, SEE DWG. 23 .
FOR SEAL DETAILS, SEE DWG. 26 .

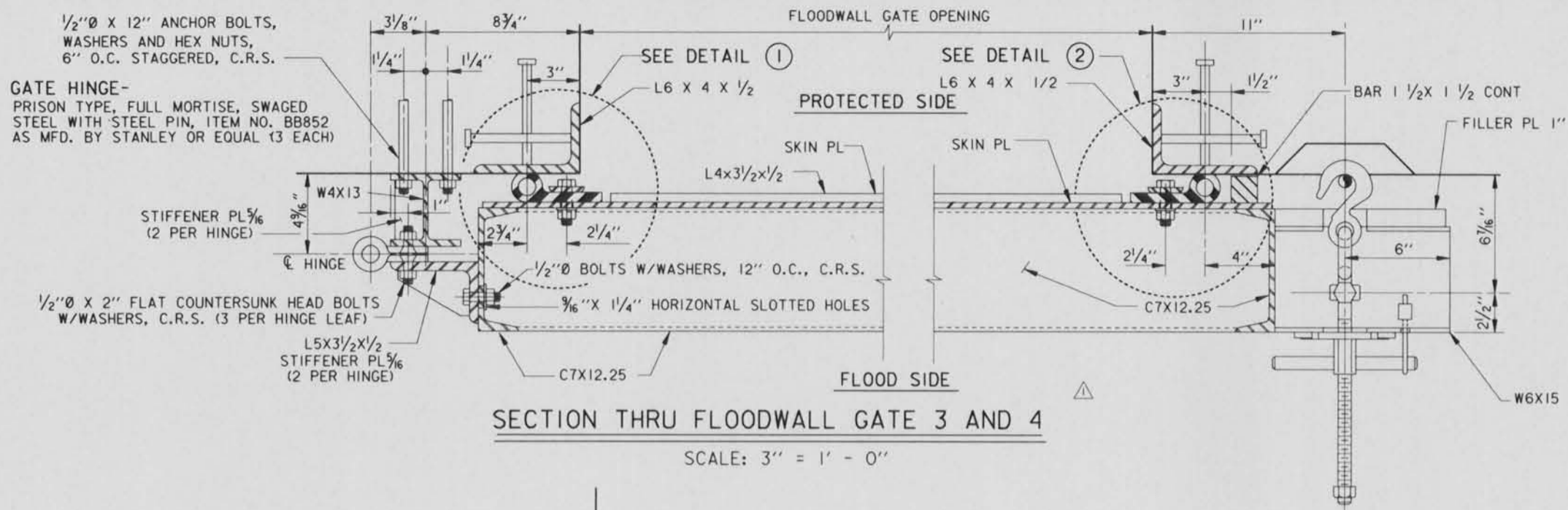
Safety is a Part of Your Contract

SCALE: 3" = 1' - 0"

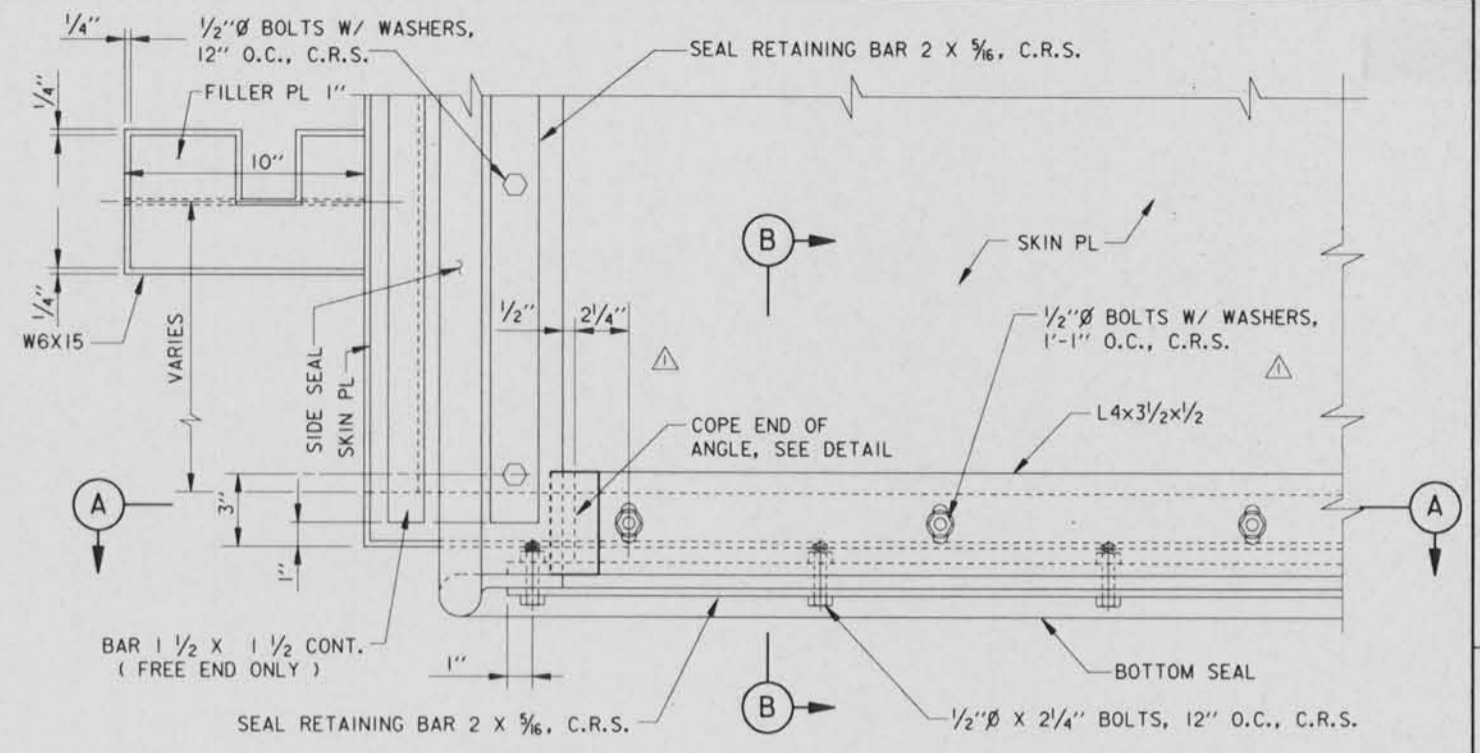


GENERAL REVISIONS	AMENDMENT NO. 1	7-14-95	M.O.
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 3			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: A.A.H.	CADD FILE: MM37.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 25 OF 79	

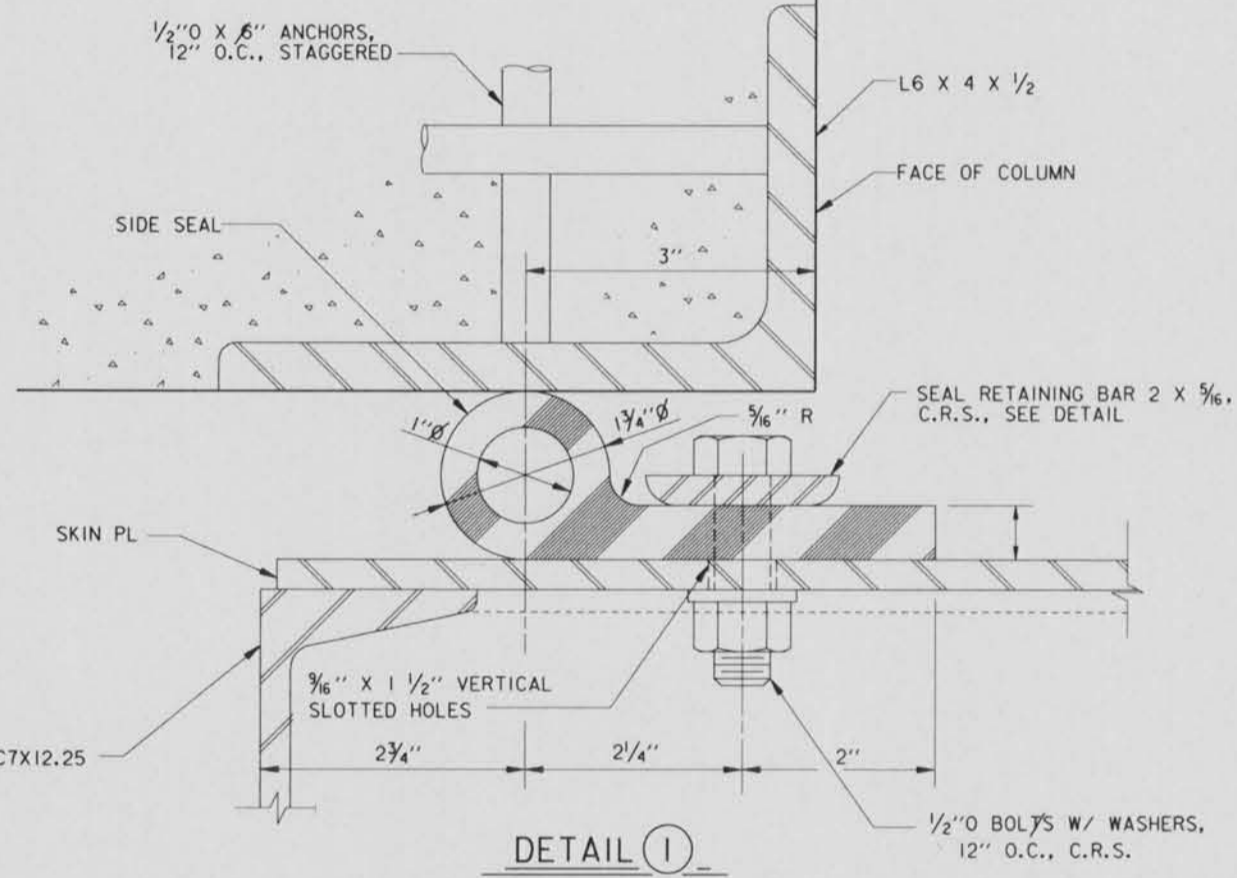




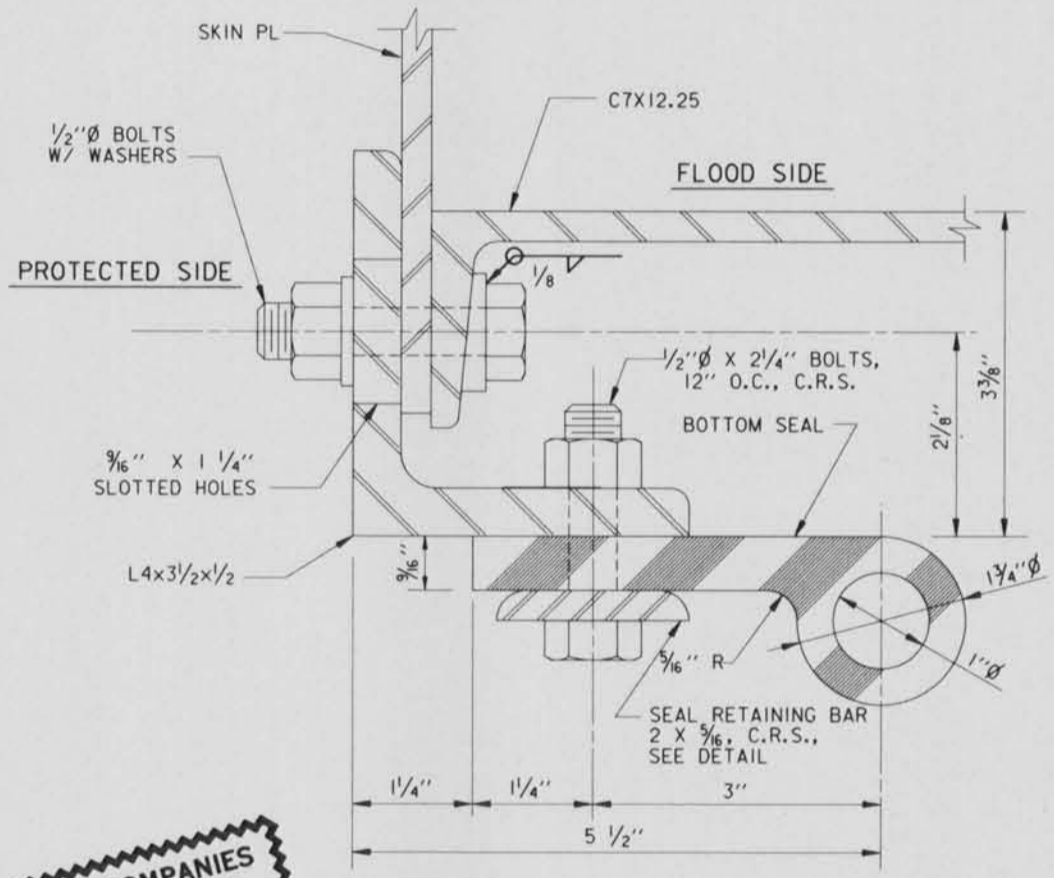
SECTION THRU FLOODWALL GATE 3 AND 4
SCALE: 3" = 1' - 0"



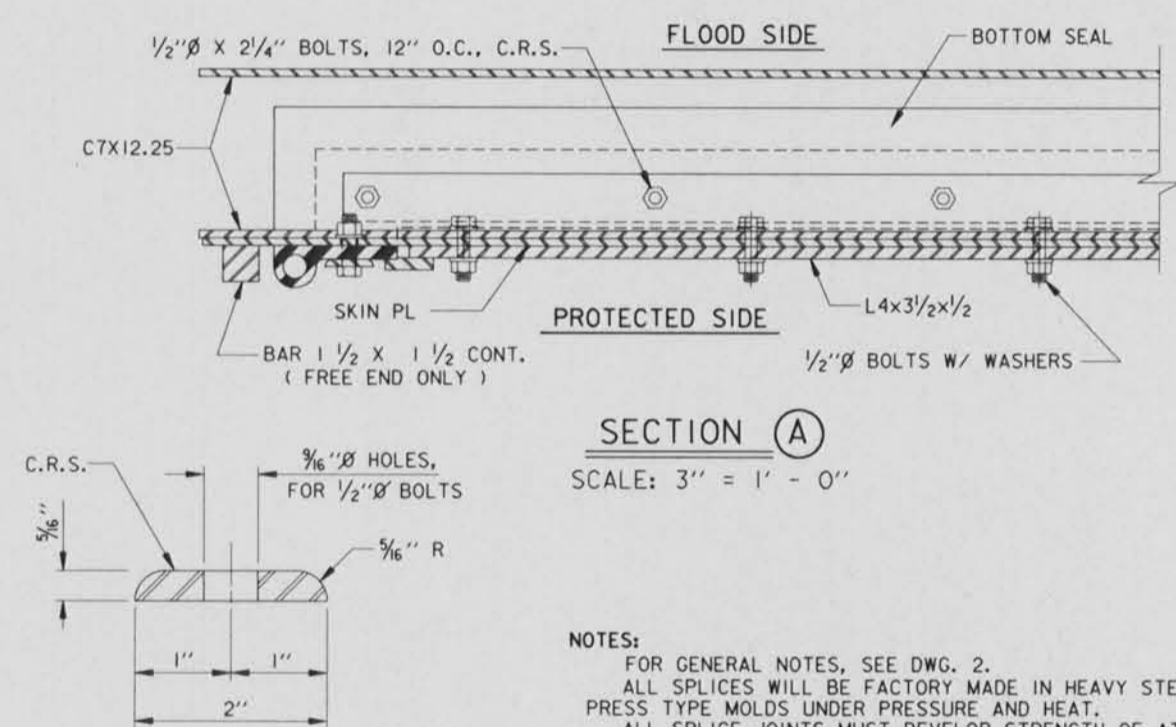
END ELEVATION - PROTECTED SIDE GATES 3 AND 4
SCALE: 3" = 1' - 0"



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



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

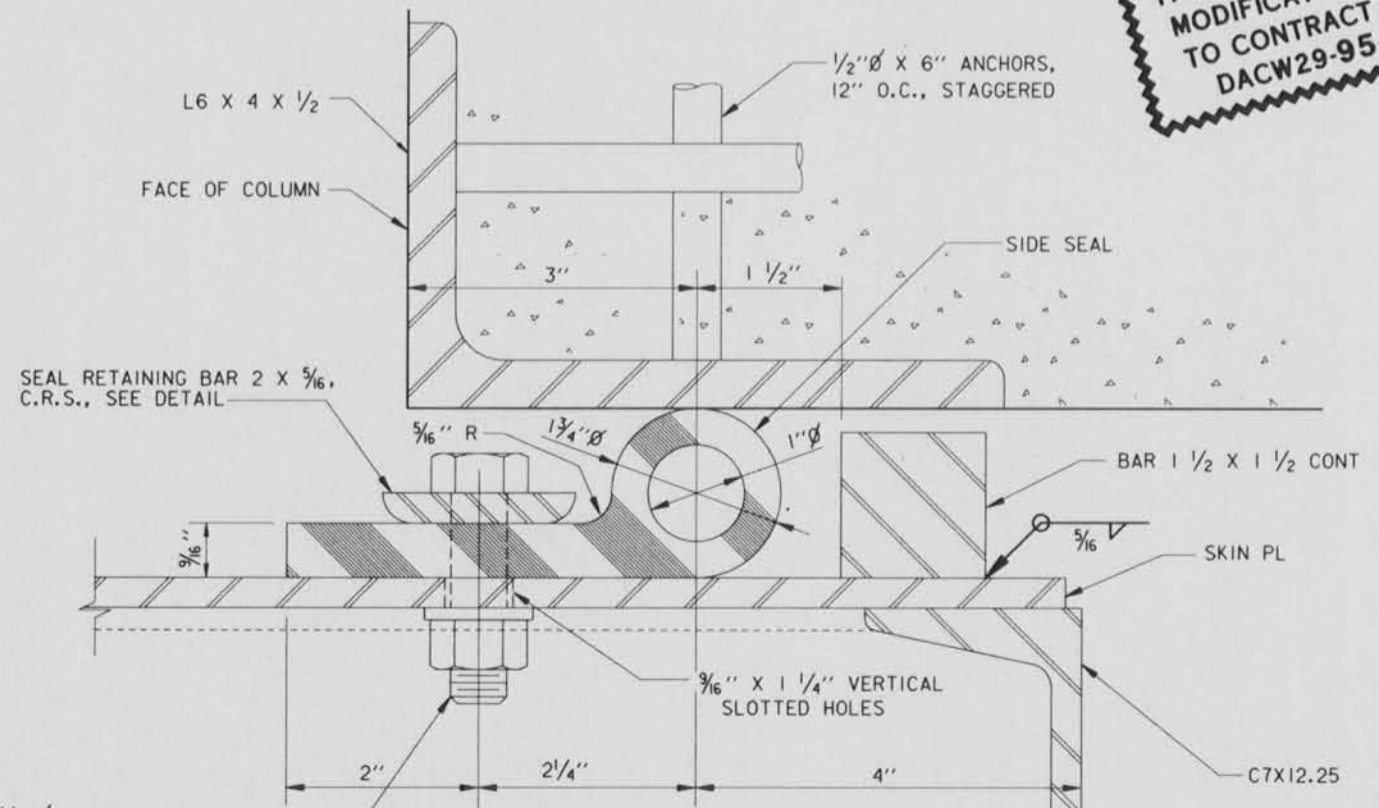


SECTION A
SCALE: 3" = 1' - 0"

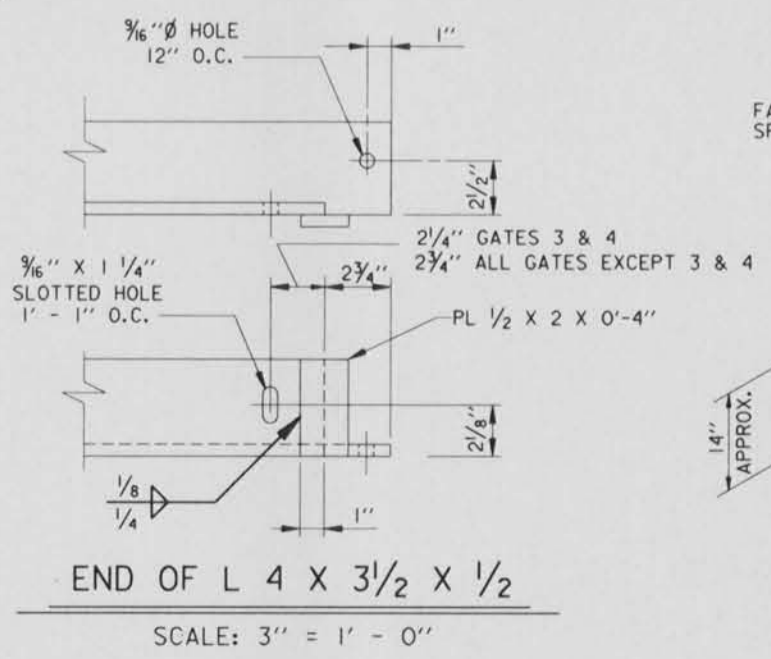
SEAL RETAINING BAR
SCALE: 12" = 1' - 0"

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.
SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.
AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.

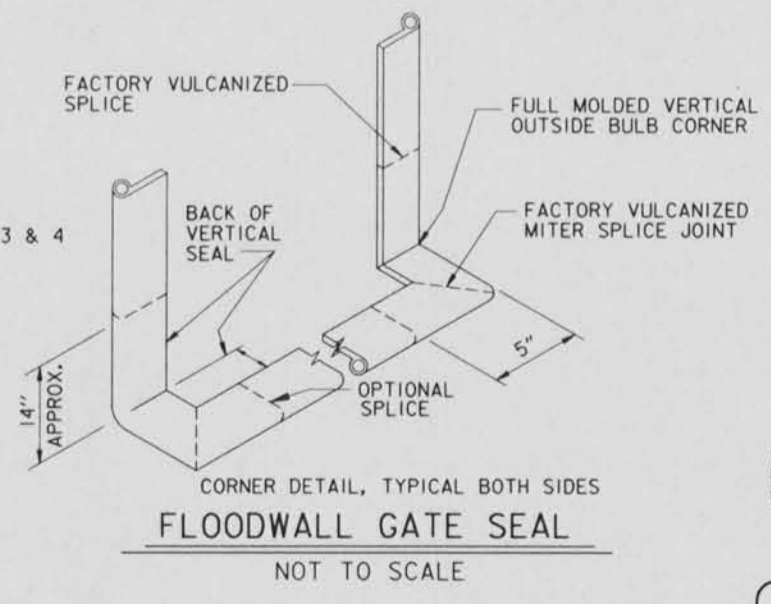
**THIS PLAN ACCOMPANIES
MODIFICATION A0008
TO CONTRACT NUMBER
DACW29-95-C-0093**



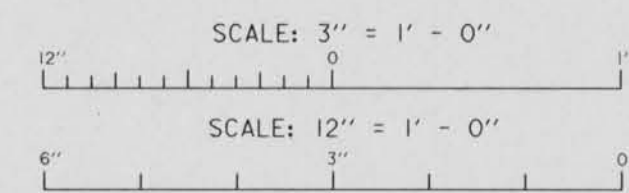
DETAIL 2
SCALE: 12" = 1' - 0"



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



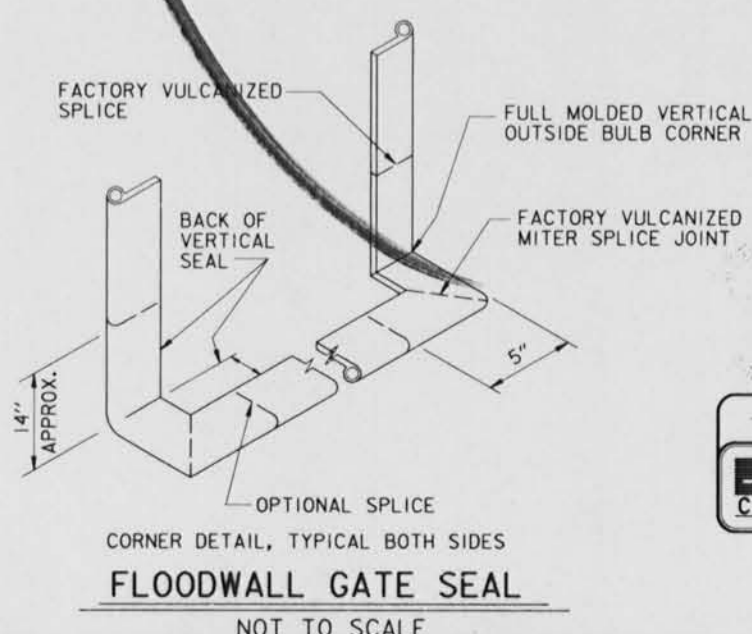
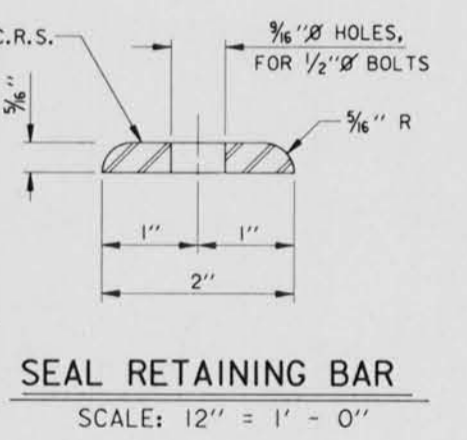
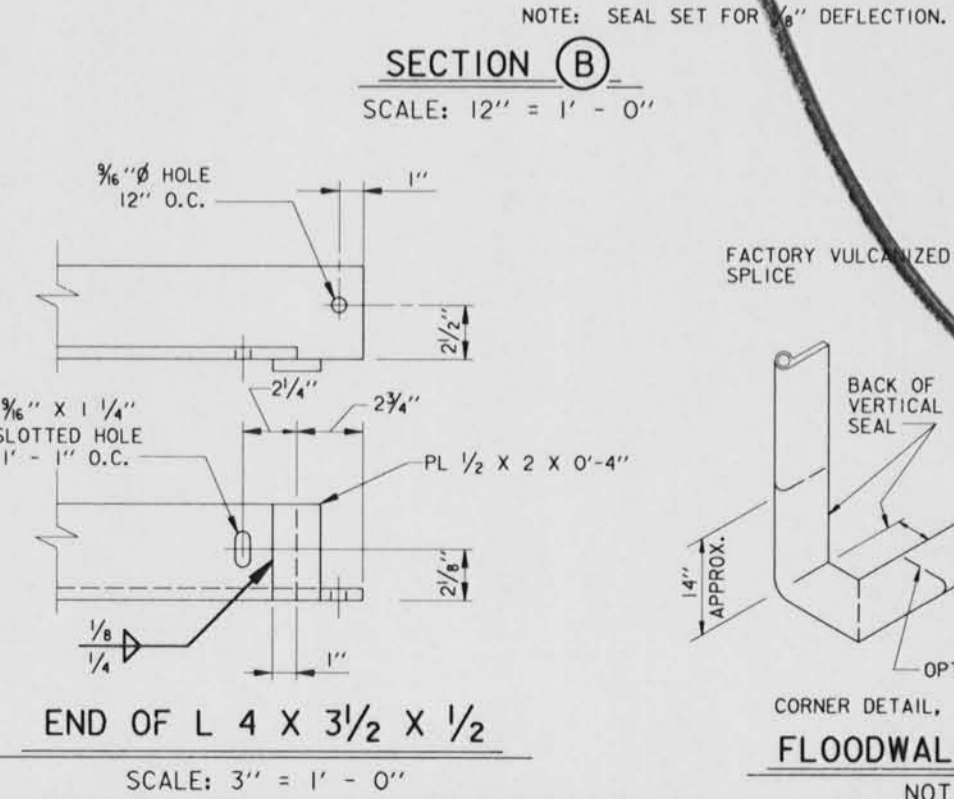
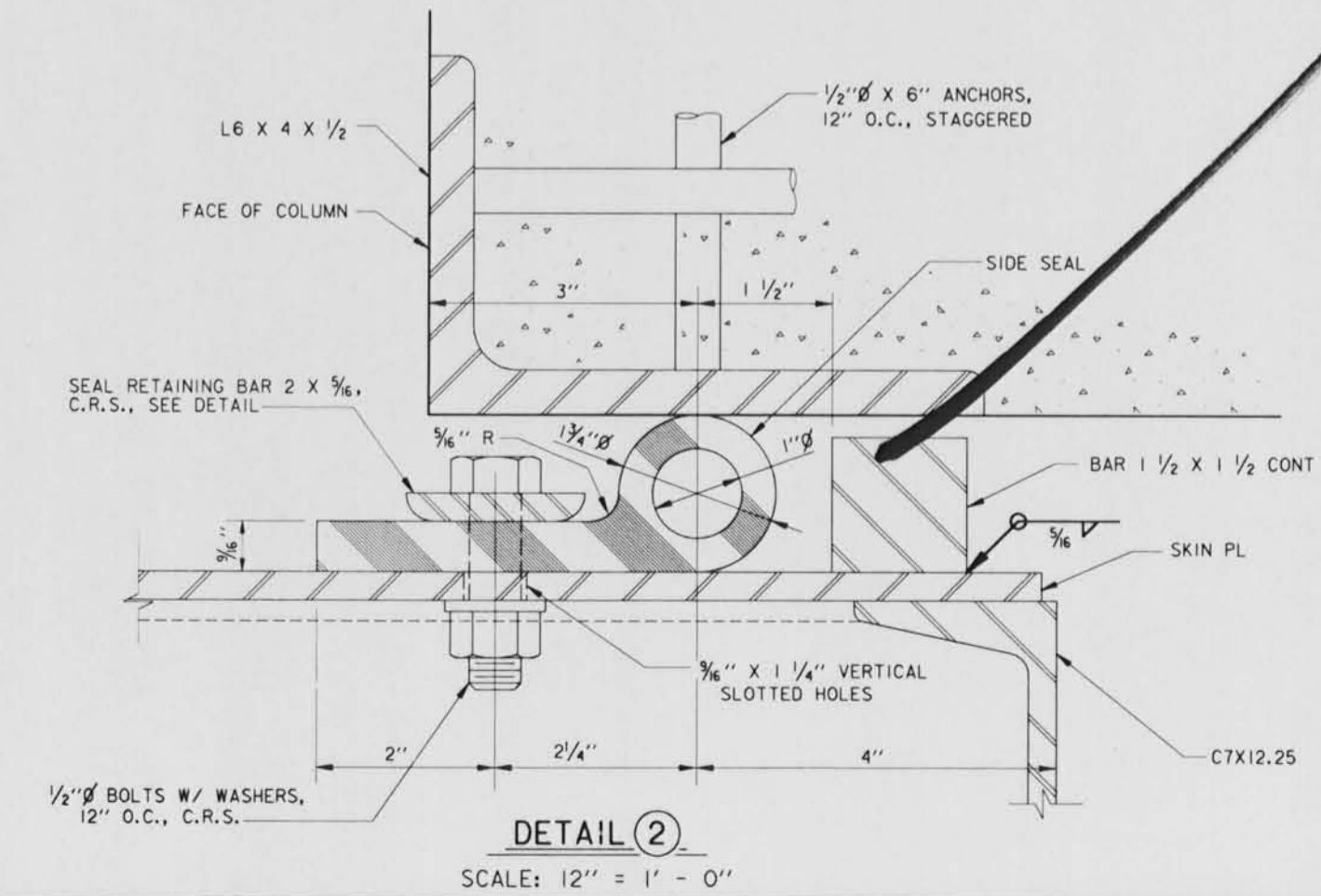
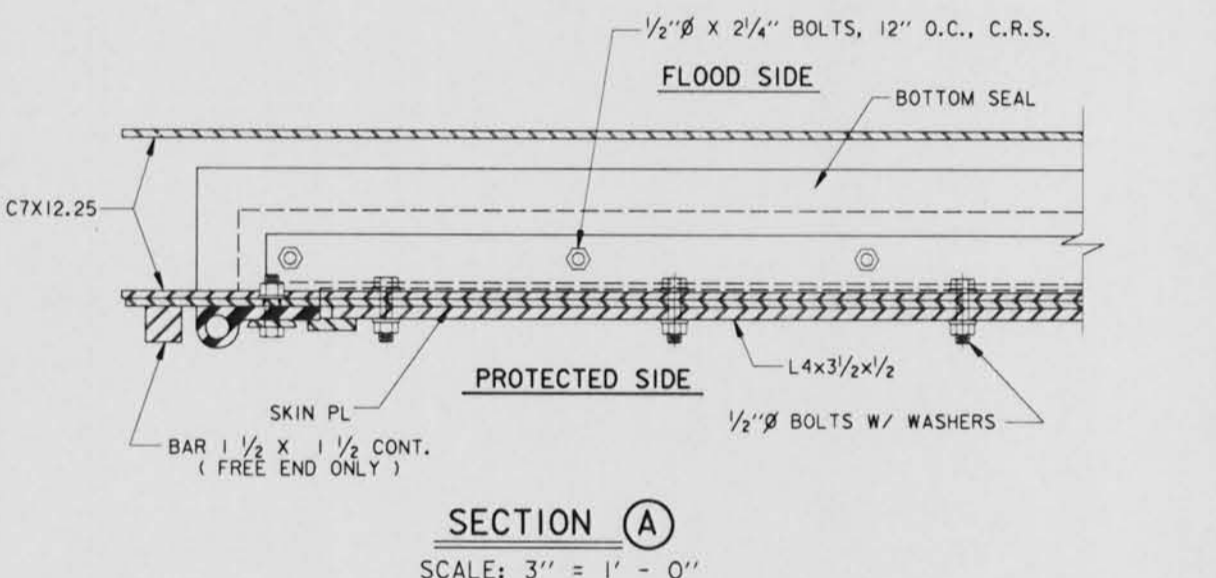
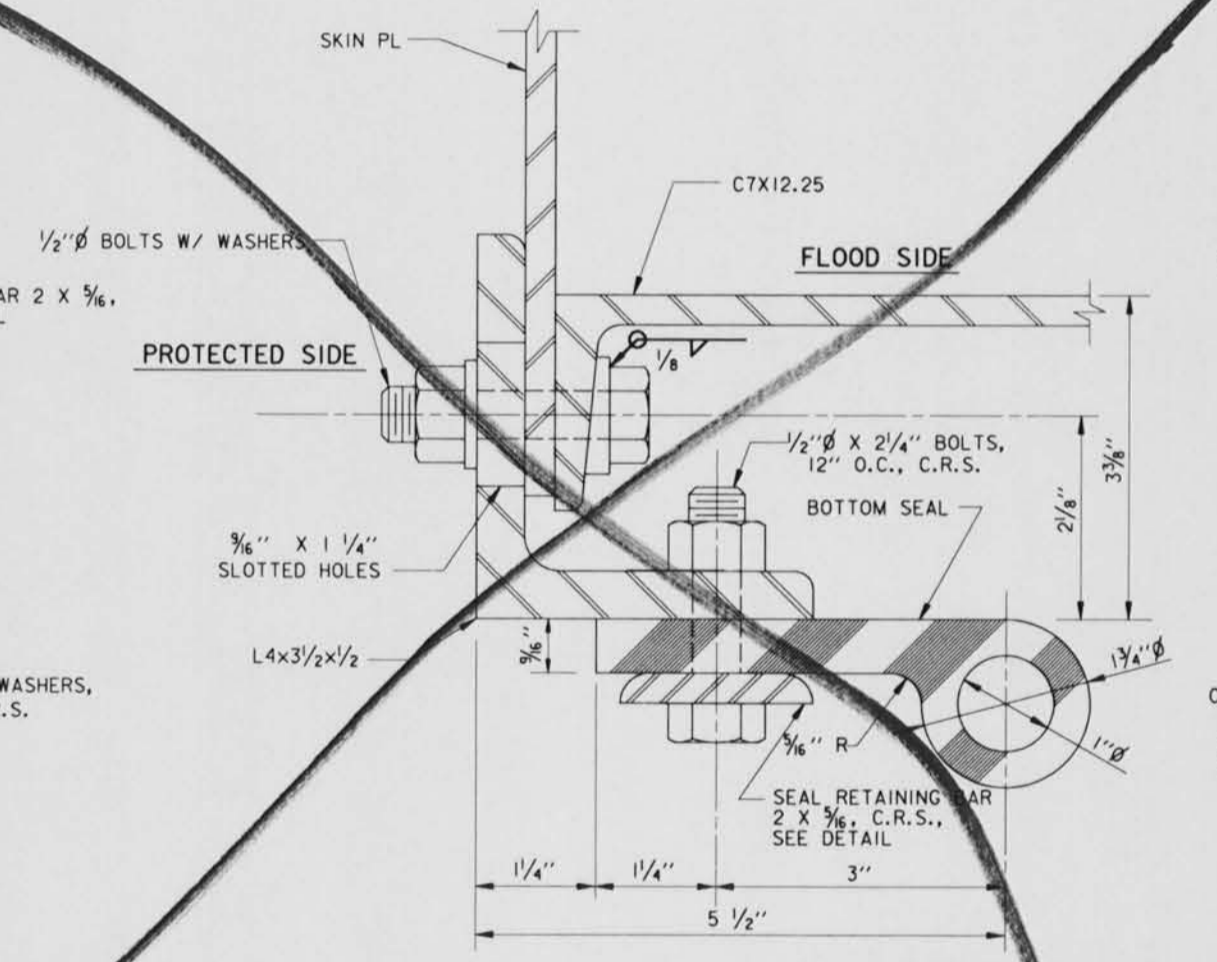
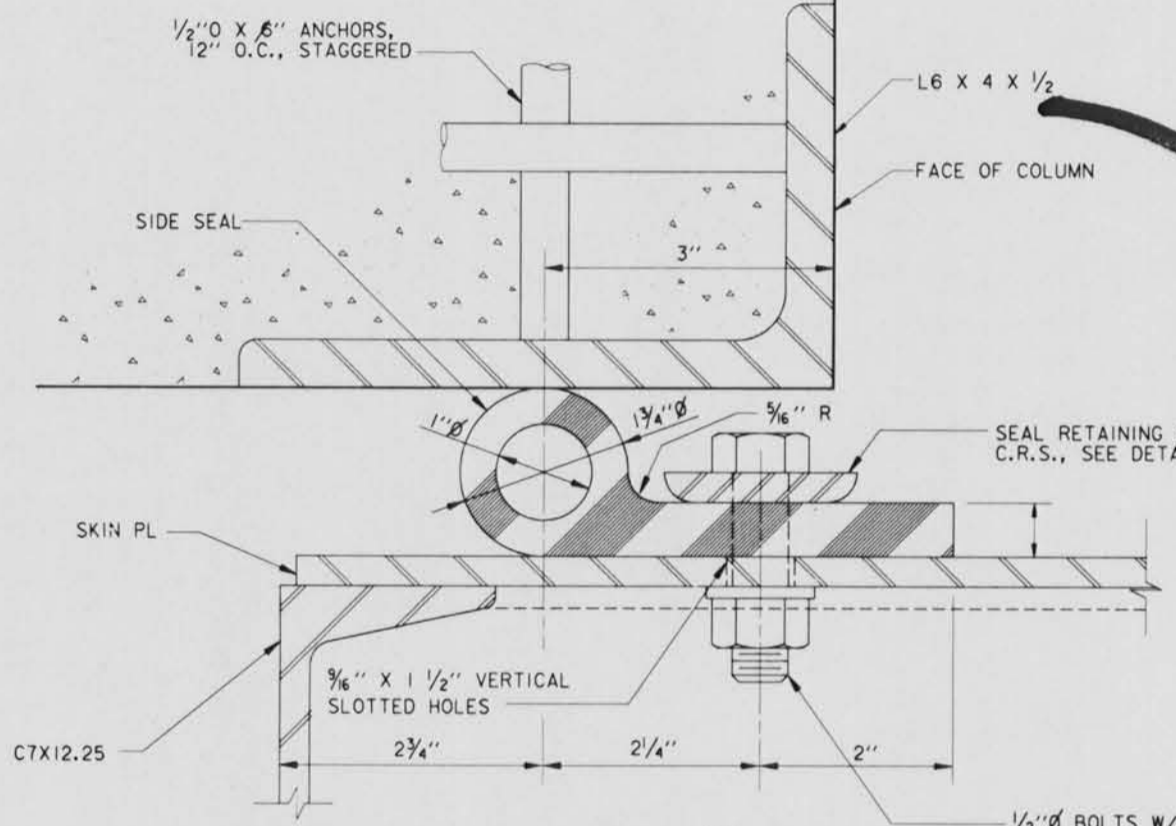
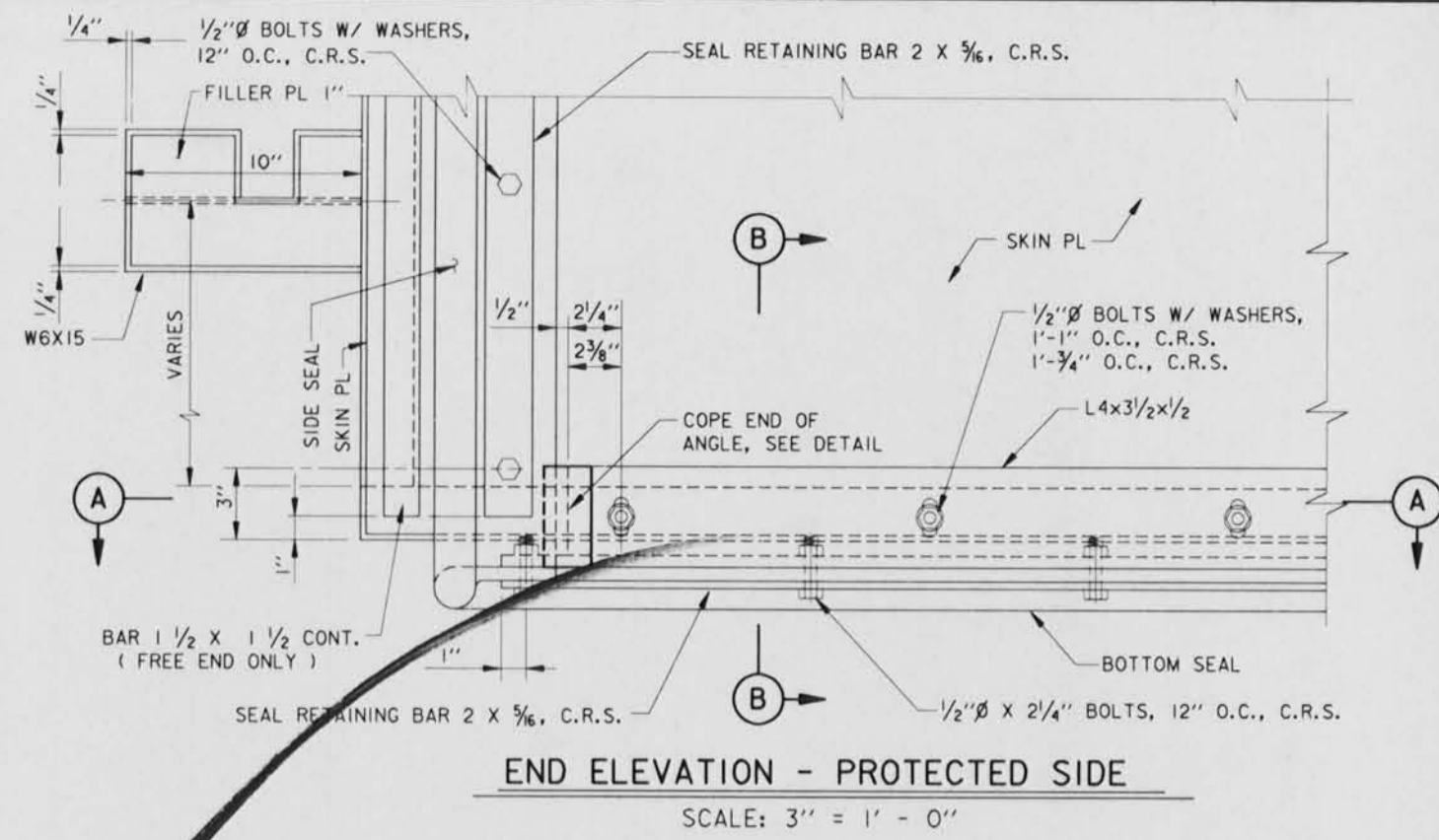
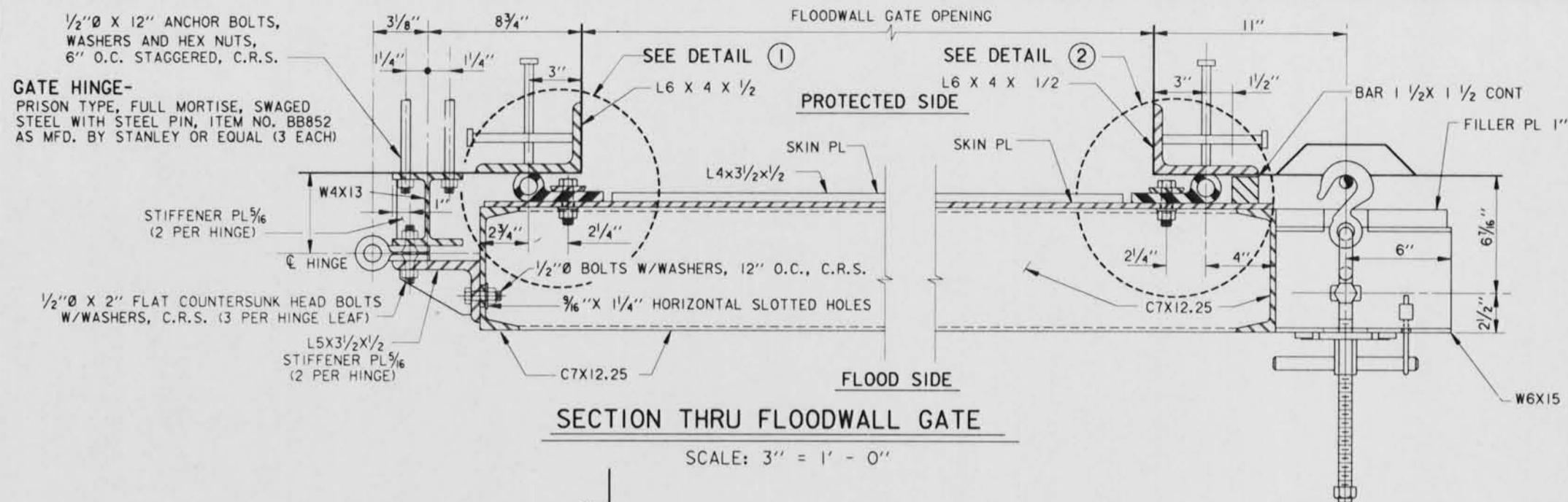
CORNER DETAIL, TYPICAL BOTH SIDES
FLOODWALL GATE SEAL
NOT TO SCALE



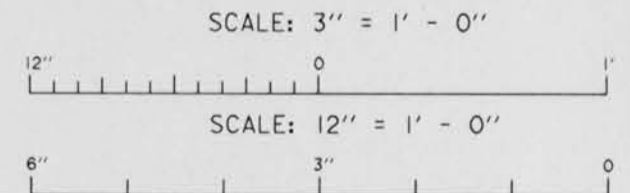
SYMBOL	MISC. REVISIONS . MOD. NO. 1	DESCRIPTION	DATE	A.H.H. APPROVED
REVISIONS				
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA				
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA		
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA				
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA				
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 4				
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95	
DRAWN BY: P.M.R.	CADD FILE: MM38.DGN	FILE NO. H-4-40359		
CHECKED BY: A.A.H.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095 DWG. 26 OF 79		



PLOT NO. 43702 05/94

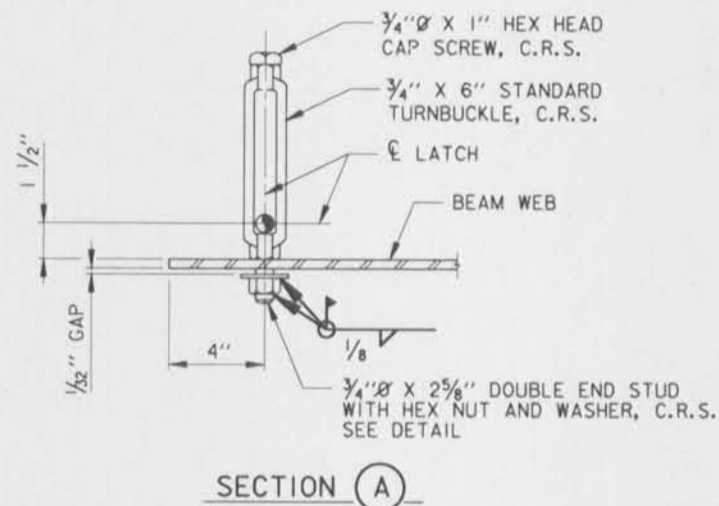
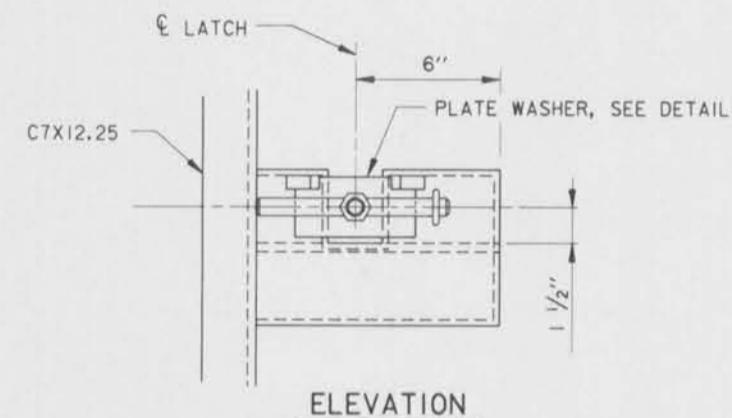
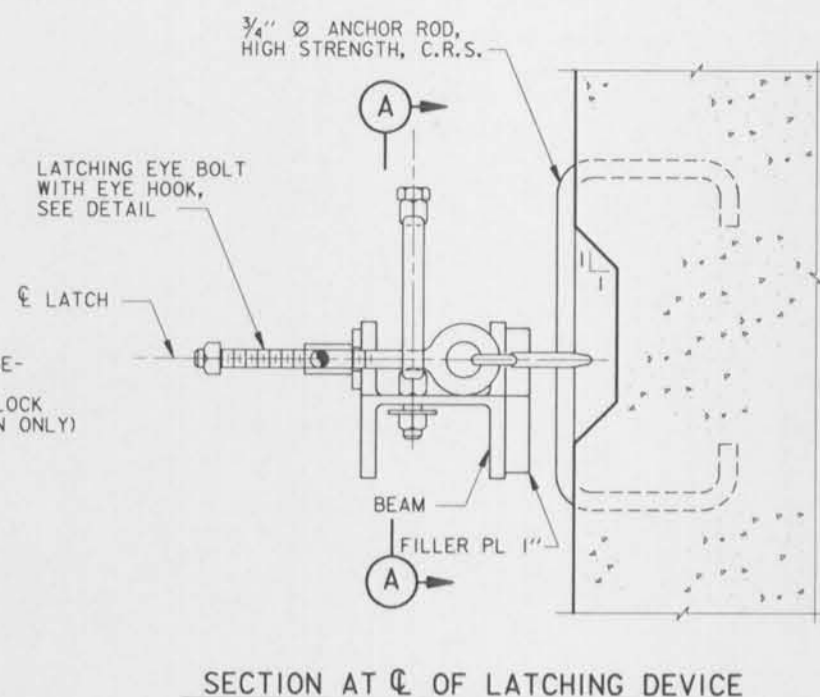
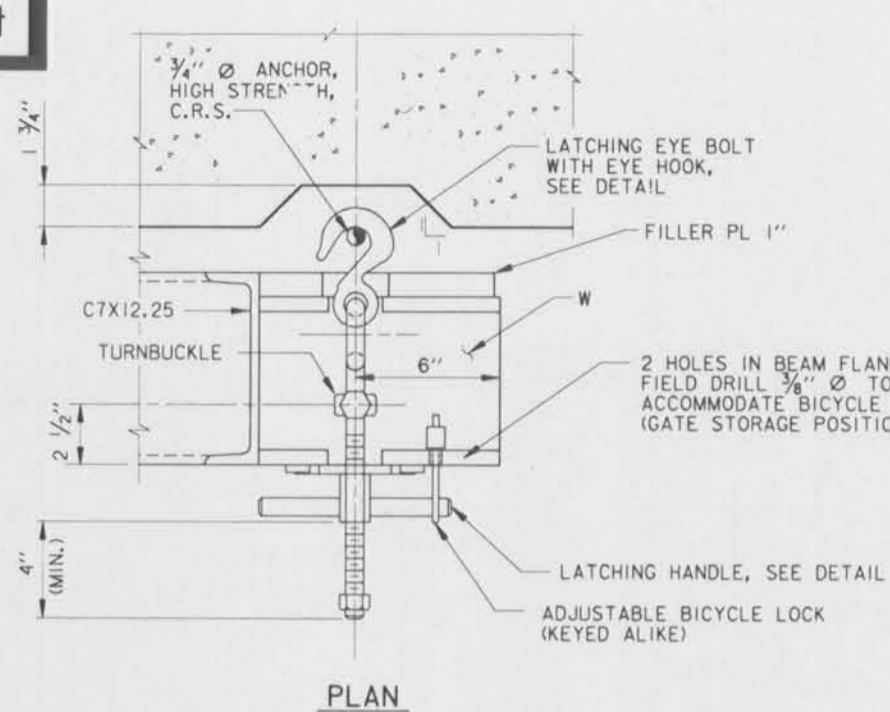


NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.
SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.
AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.

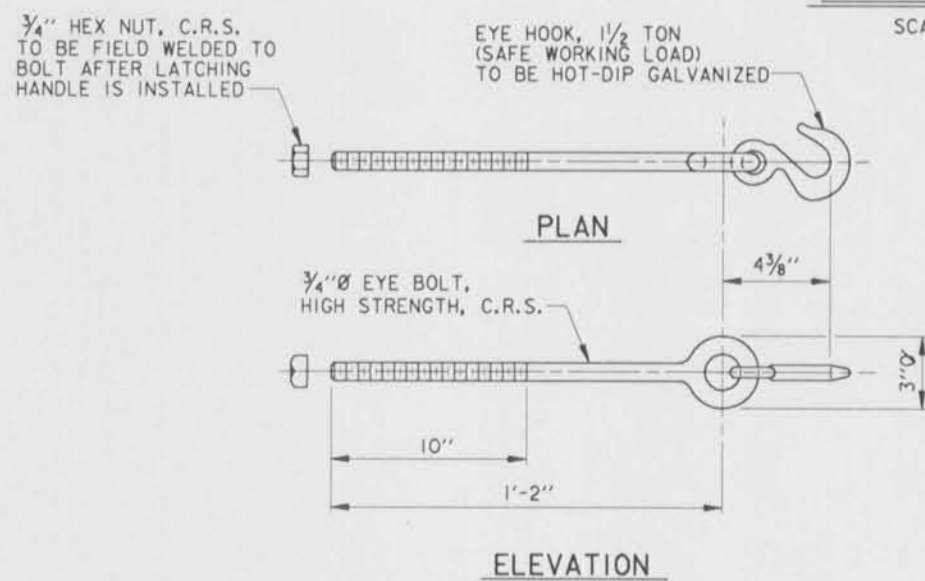


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS			
CORPS OF ENGINEERS			
NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL			
METAIRIE RELIEF			
ORLEANS PARISH-JEFFERSON PARISH			
LOUISIANA			
VETERANS BLVD. BRIDGES			
FLOODWALL GATE DETAILS - 4			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM38.DGN	FILE NO. H-4-40359	
CHECKED BY: A.A.H.	SOLICITATION NO. DACW29-95-B-0095	DWG. 26 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

Safety is a Part of Your Contract



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



LATCHING EYE BOLT WITH EYE HOOK
SCALE: 3" = 1'-0"

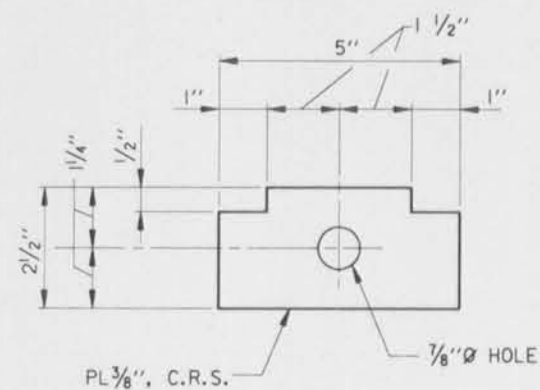
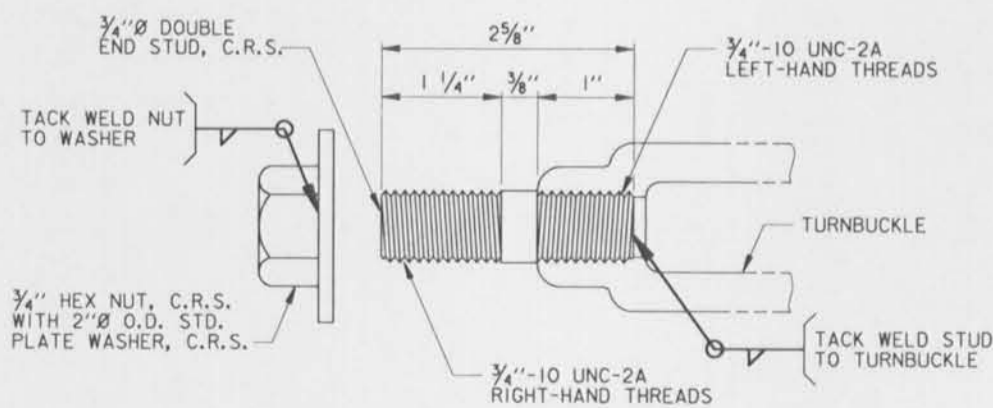
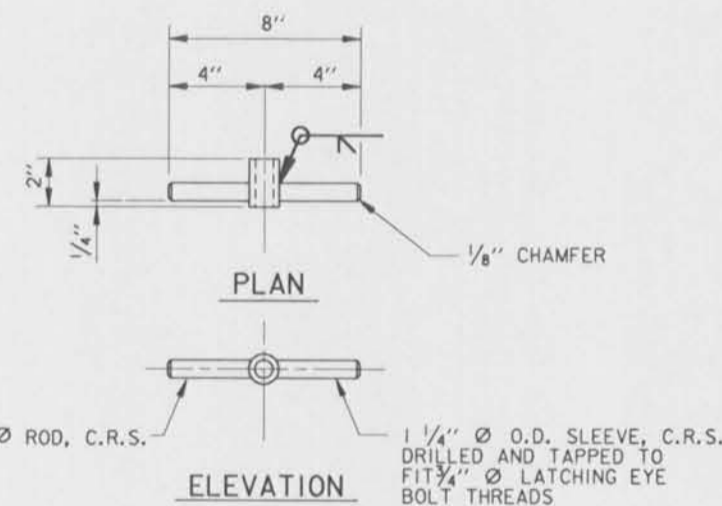
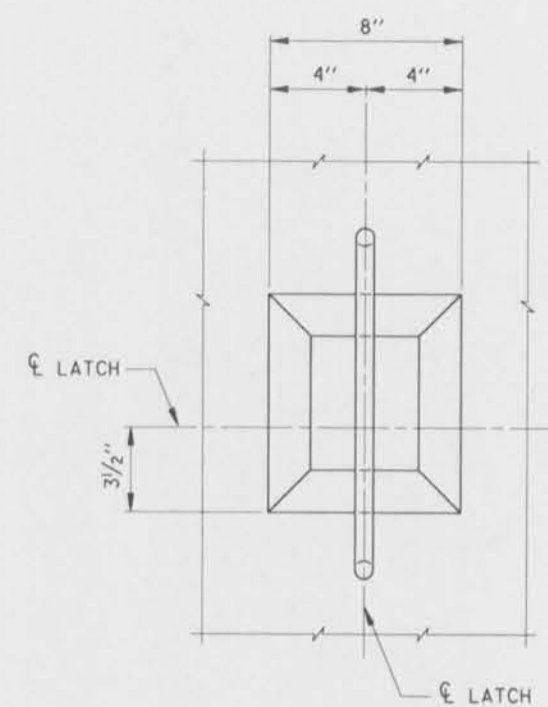


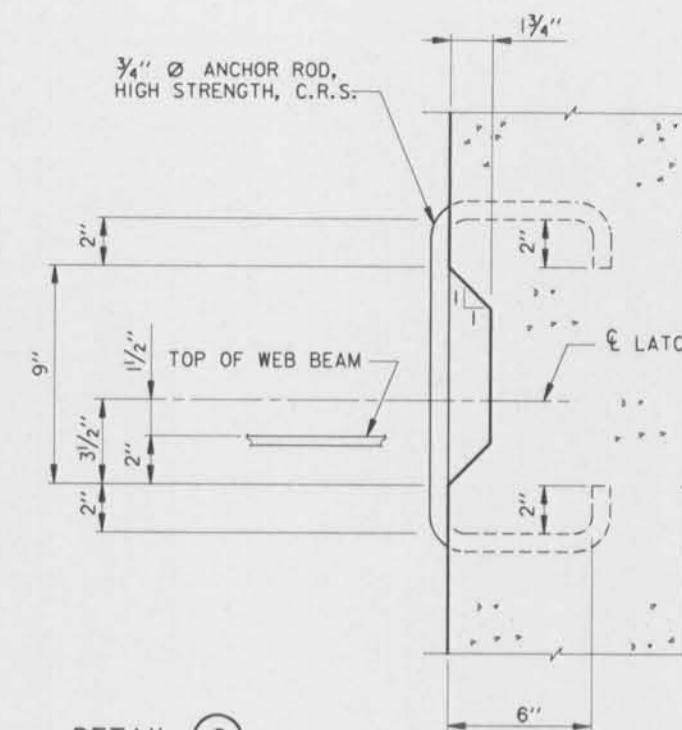
PLATE WASHER
SCALE: 6" = 1'-0"



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



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



SCALE: 3" = 1'-0"

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
FOR TYPICAL WALL SECTIONS, SEE DWG. 17.
FOR GATE MONOLITH MASONRY DETAILS, SEE DWG. 19.

SCALE: 3" = 1' - 0"

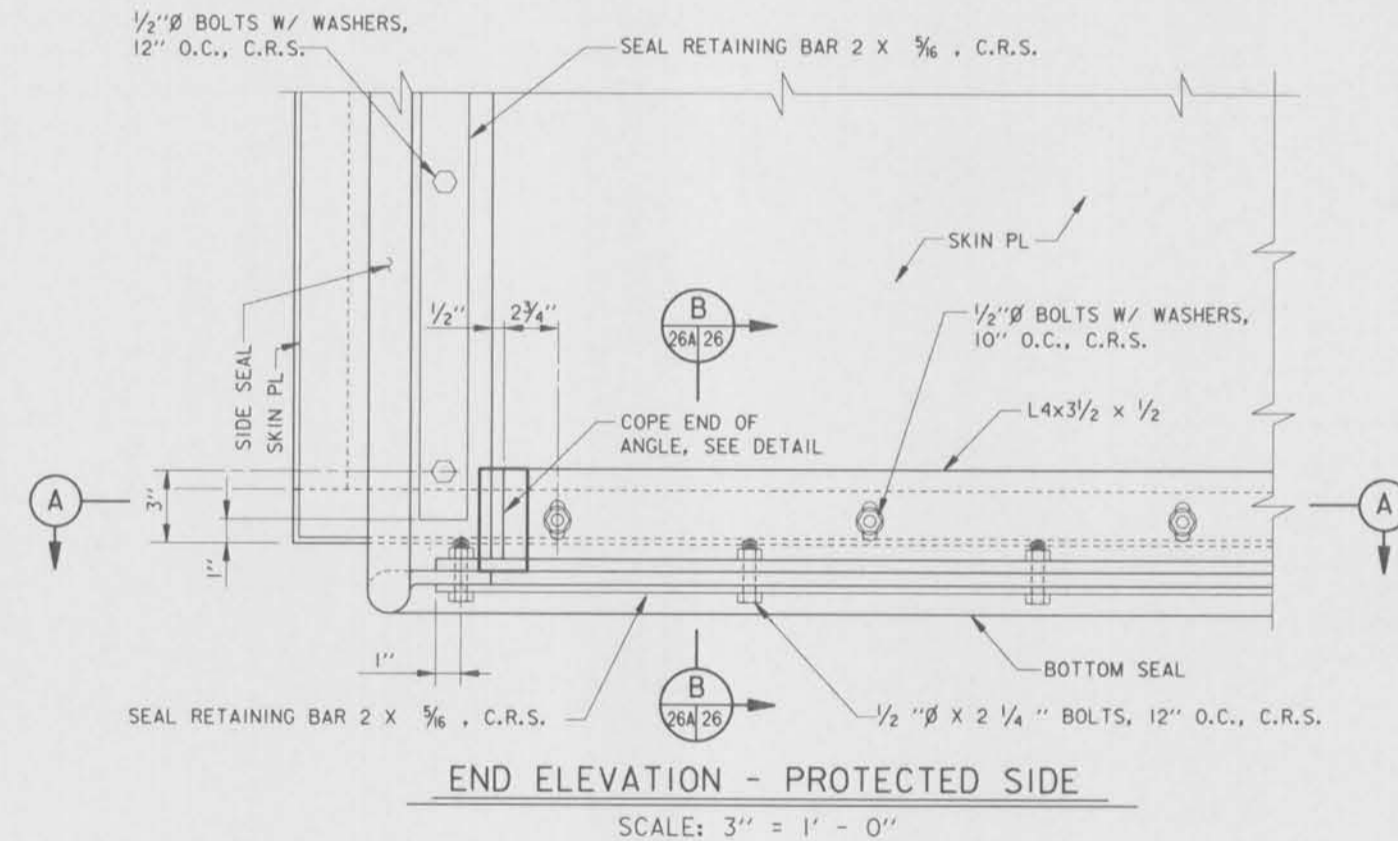
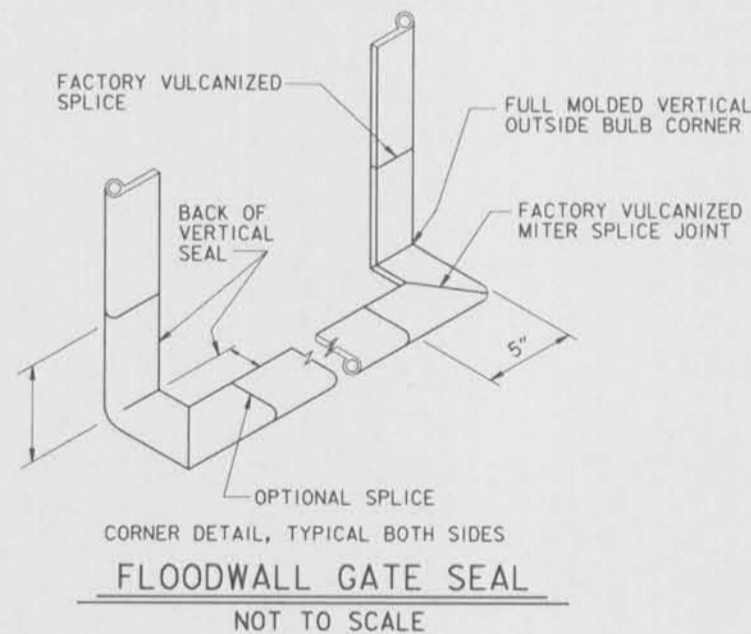
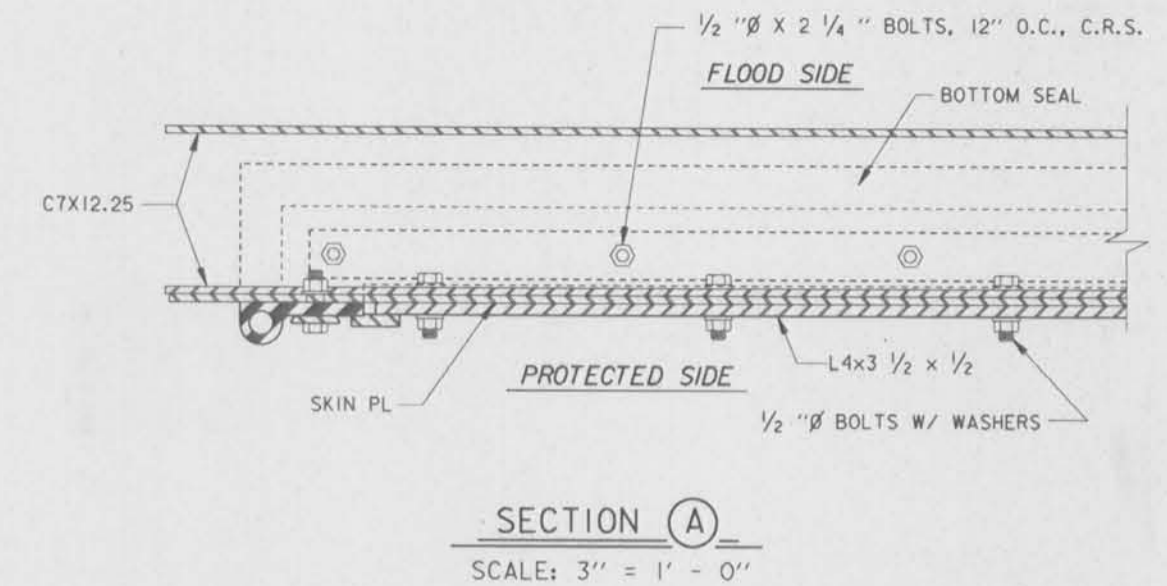
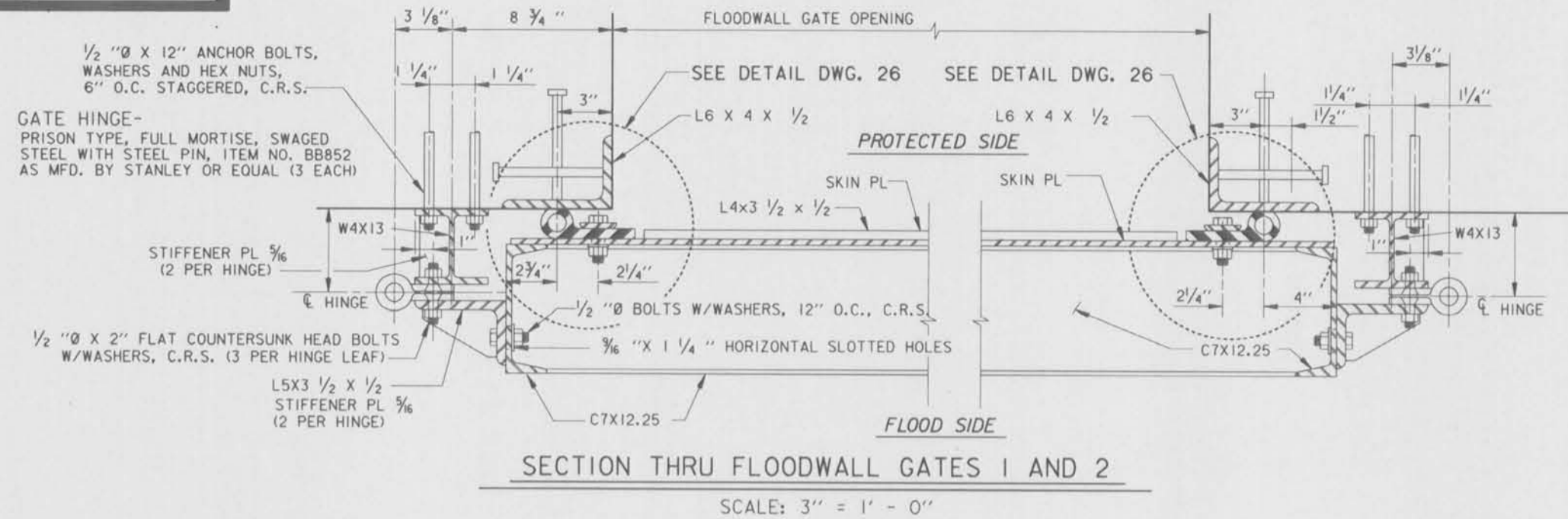
SCALE: 6" = 1' - 0"

SCALE: 12" = 1' - 0"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
HODLESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 5			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM39.DGN	FILE NO. H-4-40359	
CHECKED BY: A.A.H.	SOLICITATION NO. DACW29-95-B-0095	DWG. 27 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

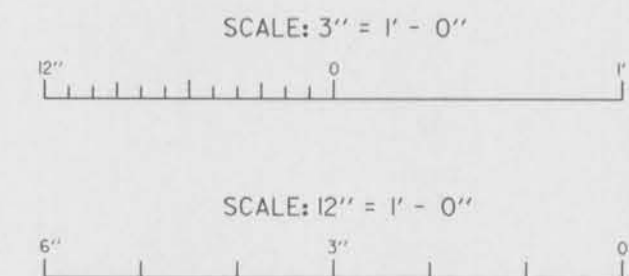


Safety is a Part of Your Contract



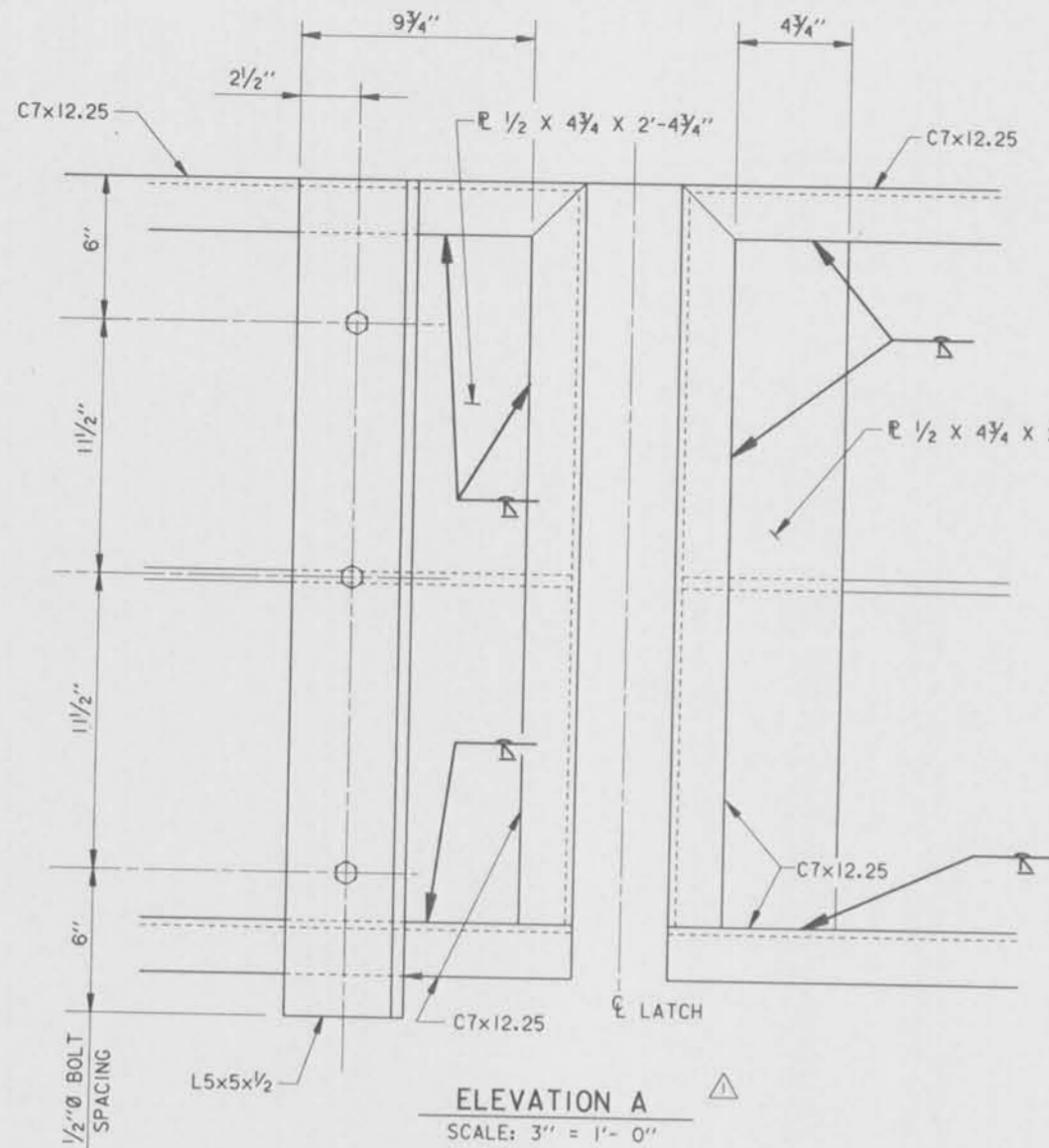
THIS PLAN ACCOMPANIES
MODIFICATION A0008
TO CONTRACT NUMBER
DACW29-95-C-0093

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
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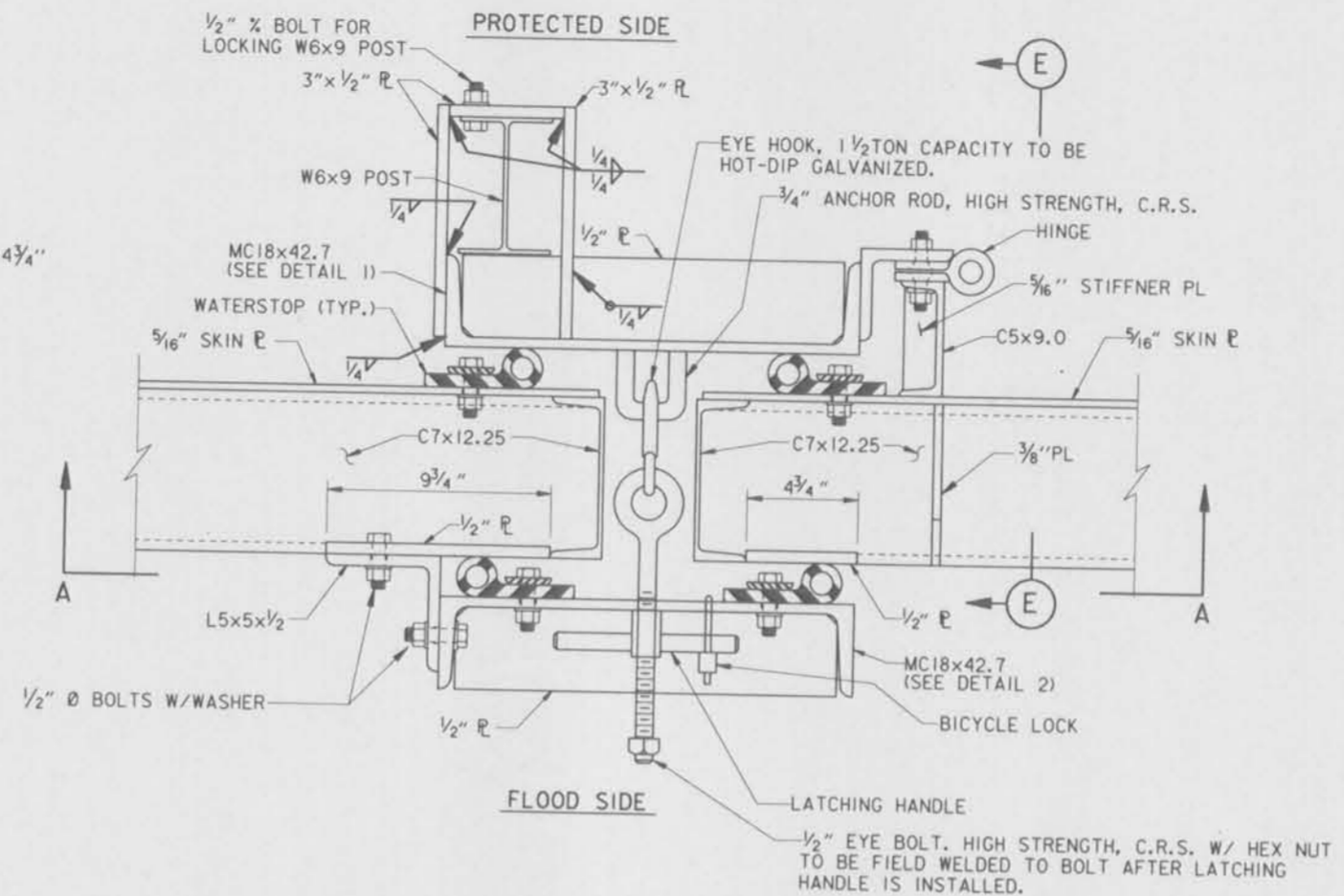


NEW DRAWING, MODIFICATION NO. 1.	12-8-95	A.A.H.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BOARD OF LEEVE COMMISSIONERS ORLEANS LEEVE DISTRICT NEW ORLEANS, LOUISIANA	BOARD OF LEEVE COMMISSIONERS EAST JEFFERSON LEEVE DISTRICT BAY JEFFERSON, LOUISIANA	
MODOESKI & MASTERS INC. LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 4A		
DESIGNED BY: A.A.H.	DATE: NOV. 1995	PLOT SCALE: 4
DRAWN BY: P.M.R.		PLOT DATE: NOV. 1995
CHECKED BY: A.A.H.	CADD FILE: WMB21.DWG	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 26A OF 79
DESIGN ENGINEER		

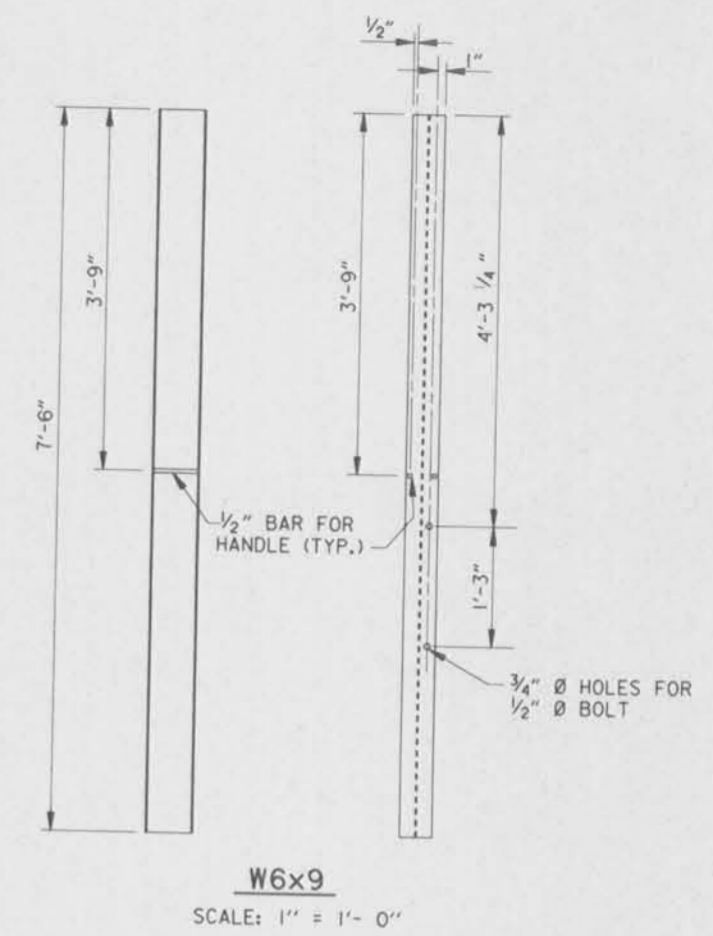




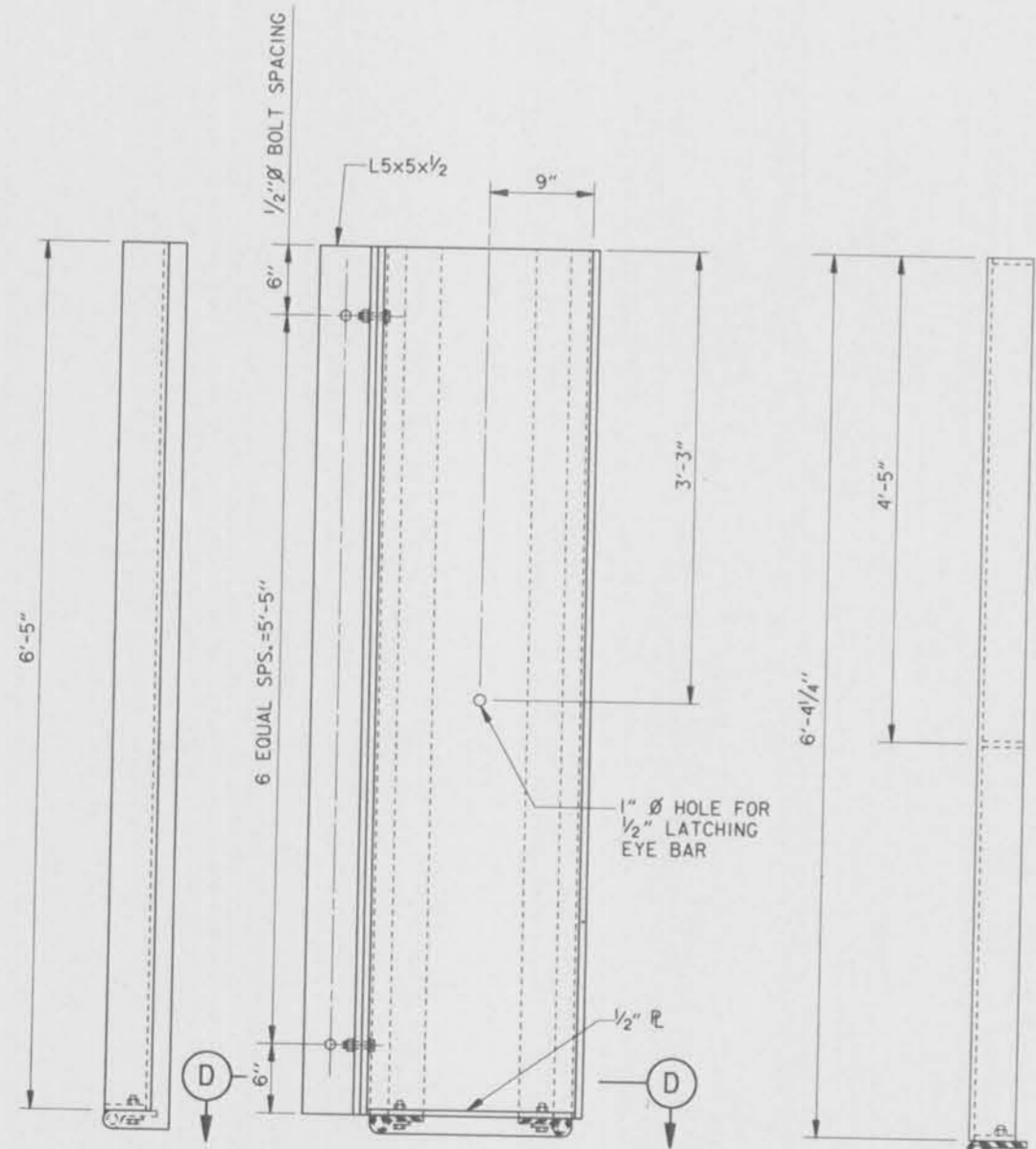
ELEVATION A
SCALE: 3" = 1'- 0"



LATCHING DETAIL - GATES 1 AND 2
SCALE: 3" = 1'- 0"

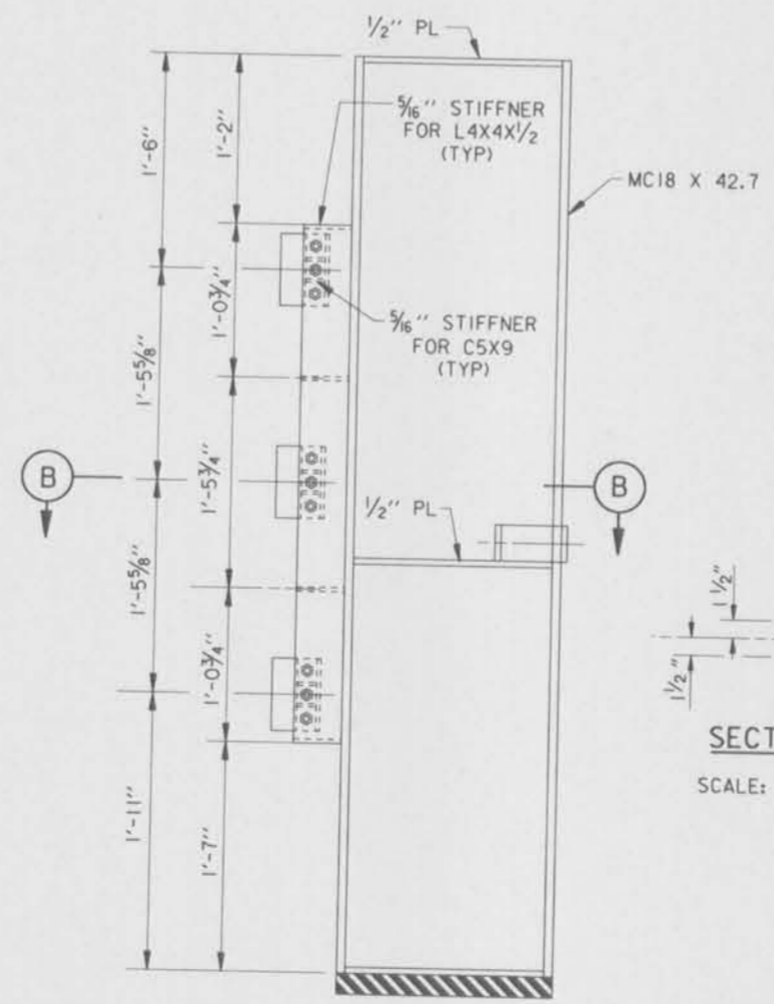


W6x9
SCALE: 1" = 1'- 0"

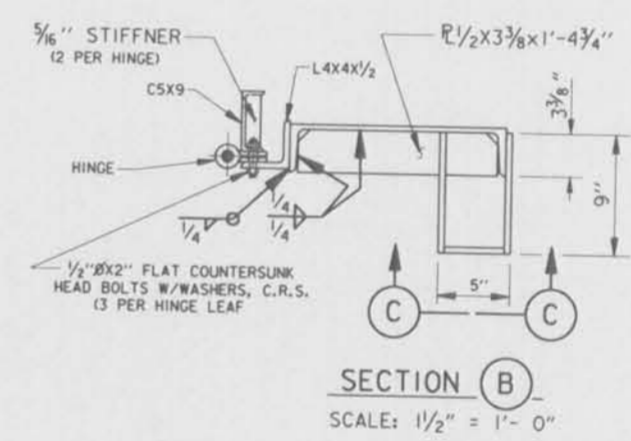


DETAIL 2
SCALE: 1 1/2" = 1'- 0"

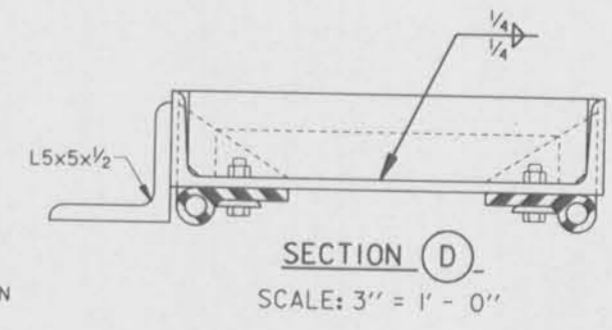
NOTE: HINGE NOT SHOWN IN THIS VIEW FOR CLARITY.



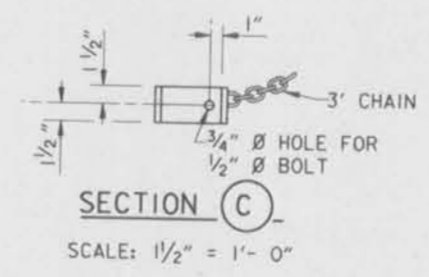
DETAIL 1
SCALE: 1 1/2" = 1'- 0"



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



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



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

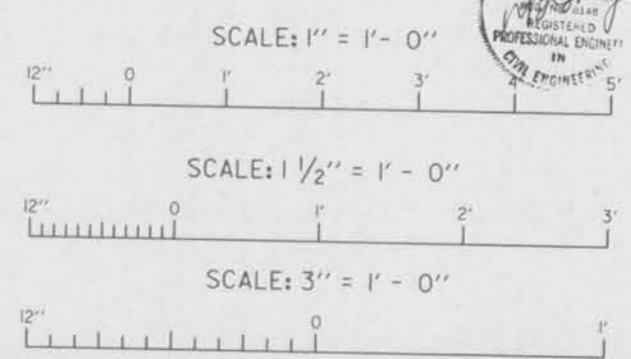
THIS PLAN ACCOMPANIES
MODIFICATION A0008
TO CONTRACT NUMBER
DACW29-95-C-0093

NOTES:
FOR GENERAL NOTES, SEE DWG. 2.

NOTES:
FOR NOTES PERTAINING TO THIS SHEET, SEE
DWG. NO. 28.

NEW DRAWING, MODIFICATION NO. 1.	12-8-95	A.A.H.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS, INC. REGISTERED PROFESSIONAL ENGINEERS IN CIVIL ENGINEERING NEW ORLEANS, LOUISIANA		
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES FLOODWALL GATE DETAILS - 5A		
DESIGNED BY: A.A.H.	DATE: NOV. 95	PLOT SCALE: 12
DRAWN BY: P.M.R.	CHECKED BY: N.S.	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 27A OF 79

Safety is a Part
of Your Contract



$\frac{3}{4}$ " HEX NUT, C.R.S.
WELDED TO ROD AFTER
SLEEVE AND PLATE WASHER
IS INSTALLED.

$\frac{3}{4}$ " LATCHING ROD,
HIGH STRENGTH, C.R.S.

$\frac{3}{8}$ " PIVOT PIN, HIGH STRENGTH, C.R.S.,

$\frac{1}{8}$ "

$\frac{3}{8}$ " HEX NUTS, W/WASHER
C.R.S. WELDED TO PIVOT PIN
AFTER ASSEMBLY.

PLAN

DRILL $\frac{3}{8}$ " HOLE FOR
BICYCLE LOCK

DRILL $\frac{7}{16}$ " HOLE FOR
PIVOT PIN

$\frac{3}{4}$ " R.

$7\frac{7}{8}$ "

4"

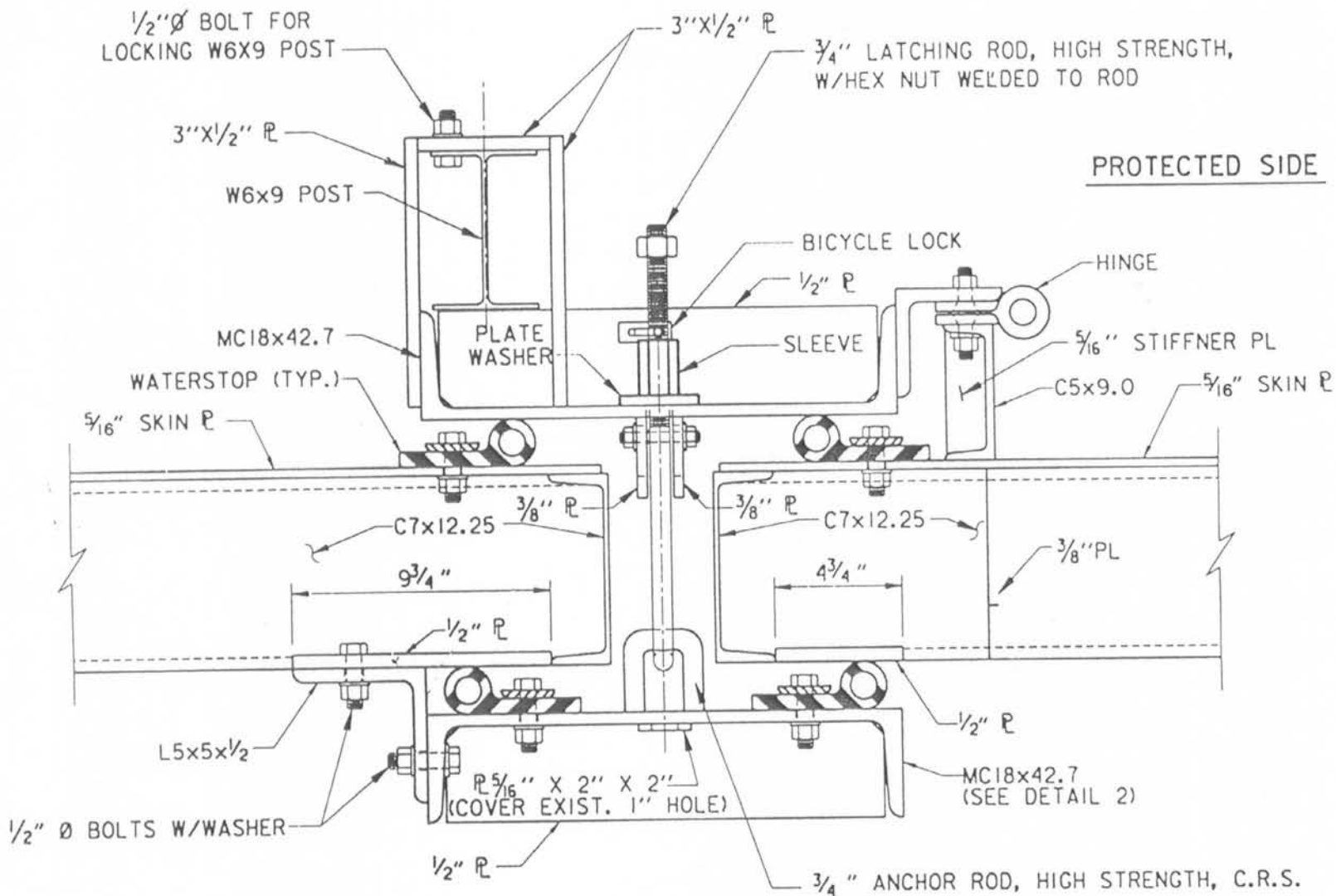
$7\frac{1}{2}$ "

$1'-4\frac{1}{2}"$

ELEVATION

LATCHING ROD

SK-950093-4

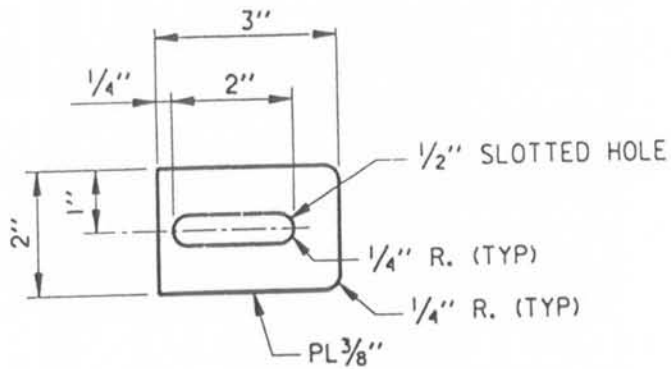


PROTECTED SIDE

FLOOD SIDE

LATCHING DETAIL

SK - 950093 - 3



HINGE PLATE

2 REQUIRED
SCALE: 6" = 1' - 0"

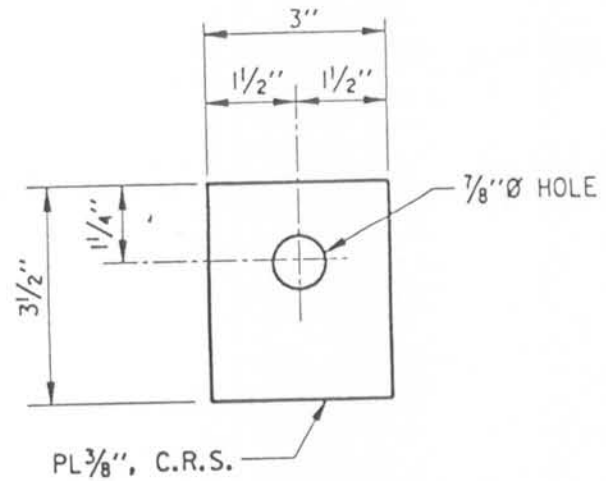
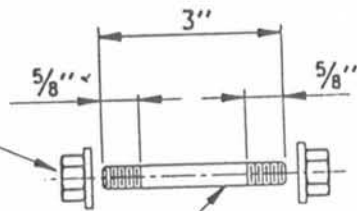


PLATE WASHER

SCALE: 6" = 1' - 0"

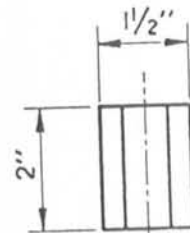
3/8" HEX NUTS, W/WASHER
C.R.S. WELDED TO PIVOT PIN
AFTER ASSEMBLY.



3/8" PIVOT PIN, HIGH STRENGTH, C.R.S.,

PIVOT PIN

SCALE: 6" = 1' - 0"



ELEVATION

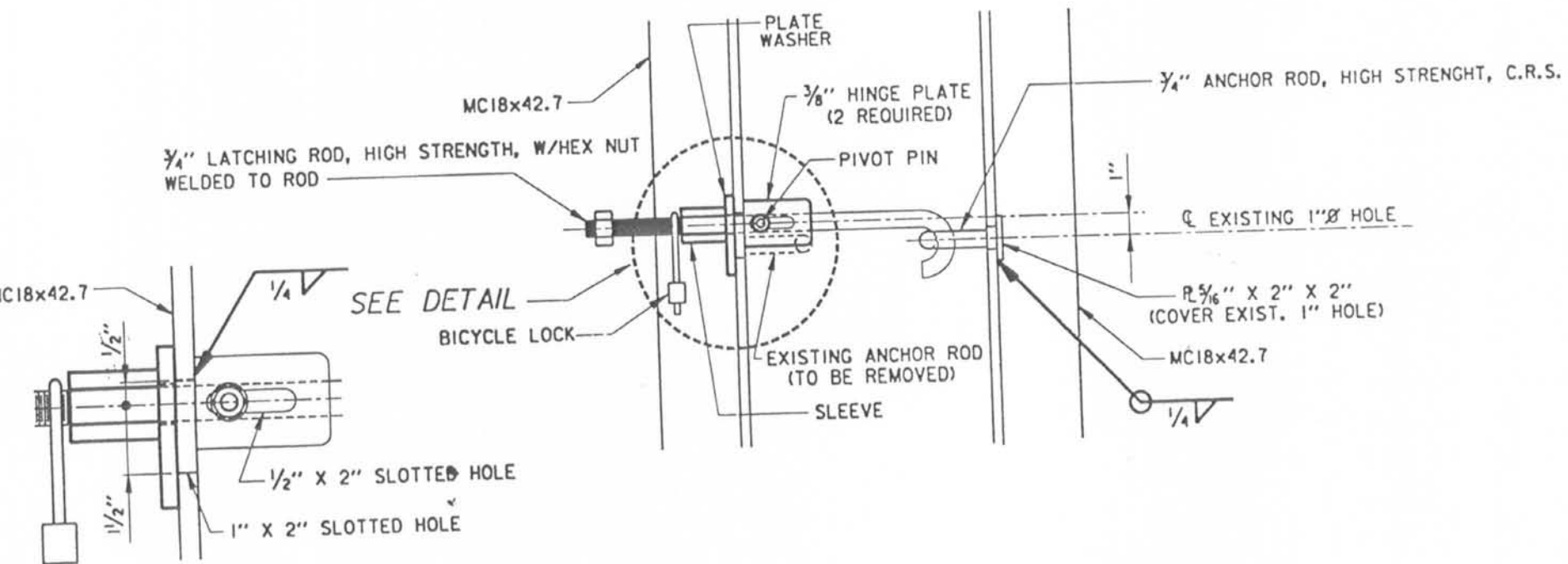


PLAN

SLEEVE

SLEEVE, C.R.S. DRILLED AND TAPPED TO
FIT 3/4" LATCHING ROD BOLT THREADS

SK-950093-5

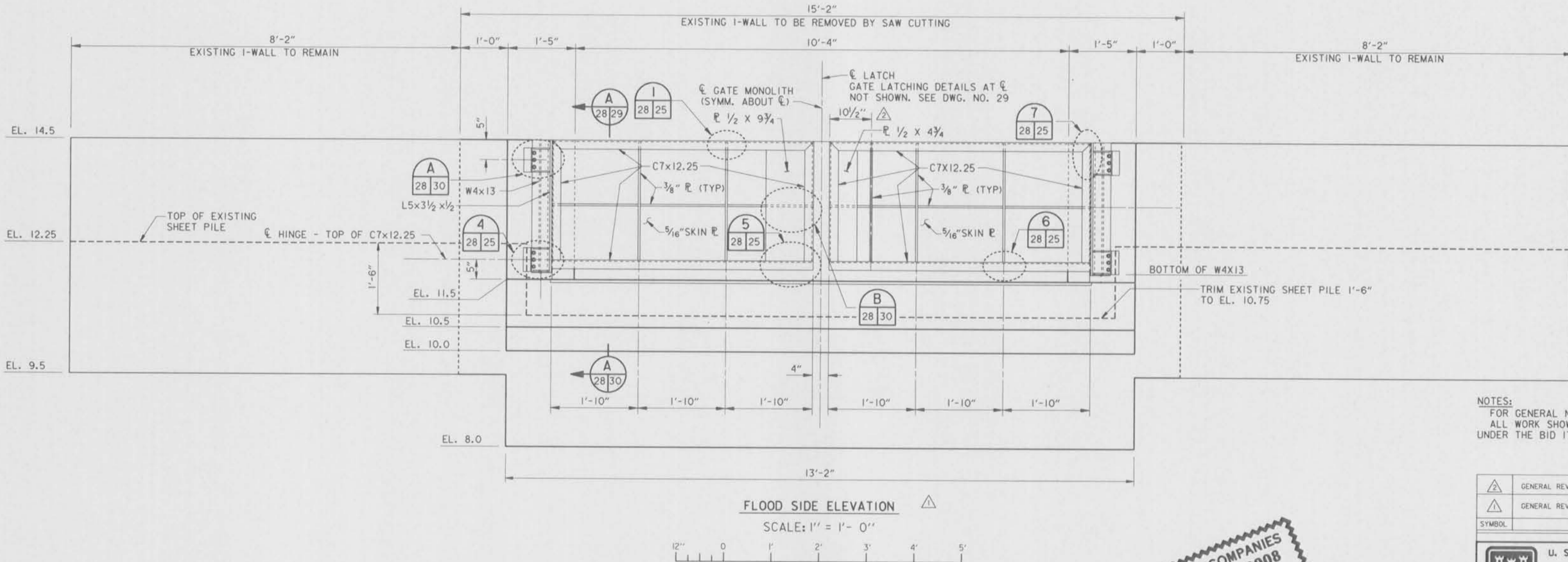
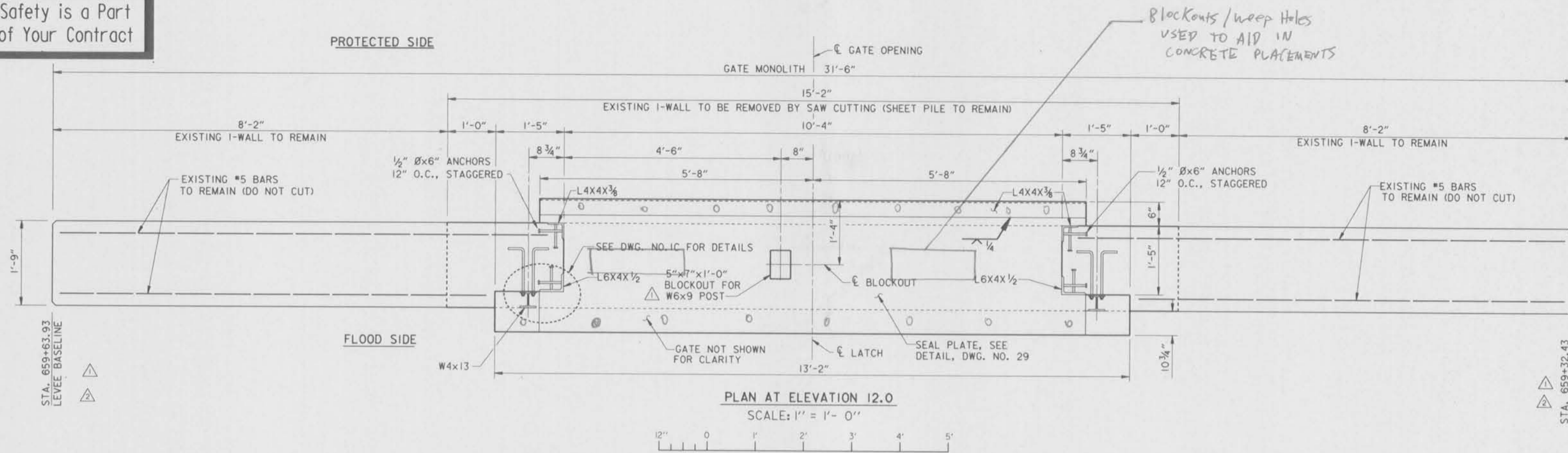


DETAIL

SECTION
LATCHING DETAIL

SK-950093-6

Safety is a Part of Your Contract



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
ALL WORK SHOWN ON DWG. NOS. 28-31 TO BE PAID UNDER THE BID ITEM "FLOODWALL GATE NEAR I-10."

SYMBOL	DESCRIPTION	DATE	APPROVED
△	GENERAL REVISIONS, MOD. NO. 1	12-8-95	A.H.H.
△	GENERAL REVISIONS, AMENDMENT NO. 1	7-14-95	M.D.

THIS PLAN ACCOMPANIES MODIFICATION A0008 TO CONTRACT NUMBER DACW29-95-C-0093



U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

**VETERANS BLVD. BRIDGES
FLOODGATE NEAR I-10 - 1**

DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM7.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SOLICITATION NO. DACW29-95-B-0095	DWG. 28 OF 79	
SUBMITTED BY: W.B. CONWAY	DESIGN ENGINEER		

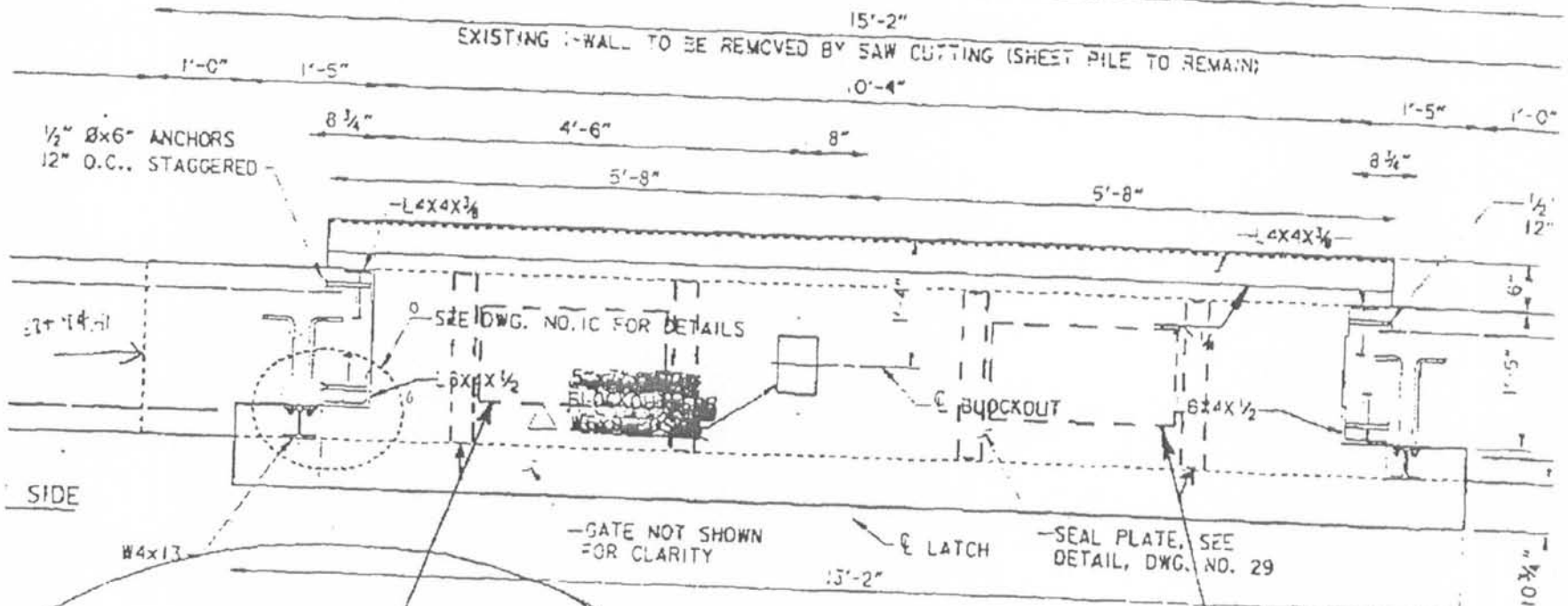


PHOTO BY MICHAEL #12

TED SIDE

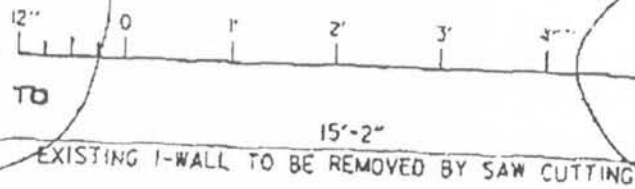
E GATE OPENING

GATE MONOLITH 31'-6"



PLAN AT ELEVATION 12.0

SCALE: 1" = 1'-0"



1' x 2' OPENING ARC GAUGED OUT FOR CONCRETE POUR - CENTERED BETWEEN BLOCKOUT & EDGE OF PLATE LATERAL SUPPORT ANGLES WELDED AT ENDS TO PREVENT WARPING. CONCRETE TO BE FINISHED TO TOP OF PLATE

1' x 2' OPENING ARC GAUGED OUT FOR CONCRETE POUR - CENTERED BETWEEN BLOCKOUT & EDGE OF PLATE LATERAL SUPPORT ANGLES WELDED AT ENDS TO PREVENT WARPING. CONCRETE FINISHED TO TOP OF PLATE

-GATE NOT SHOWN FOR CLARITY

E LATCH

-SEAL PLATE, SEE DETAIL, DWG. NO. 29

1/2" Øx6" ANCHORS 12" O.C., STAGGERED

-L4x4x3/8

-L4x4x3/8

SEE DWG. NO. 10 FOR DETAILS

BLOCKOUT

BLOCKOUT

BLOCKOUT

SIDE

W4x13

10 3/4"

6"

1'-5"

1'-0"

10 3/4"

1'-5"

1'-0"

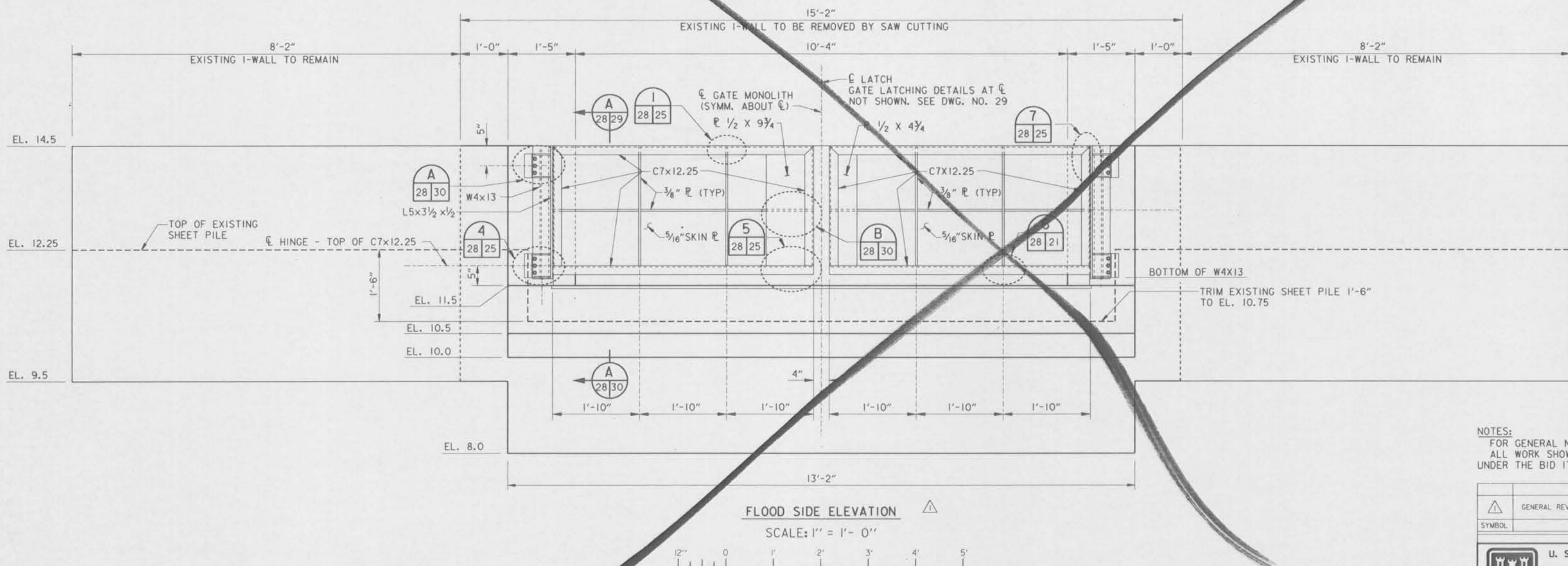
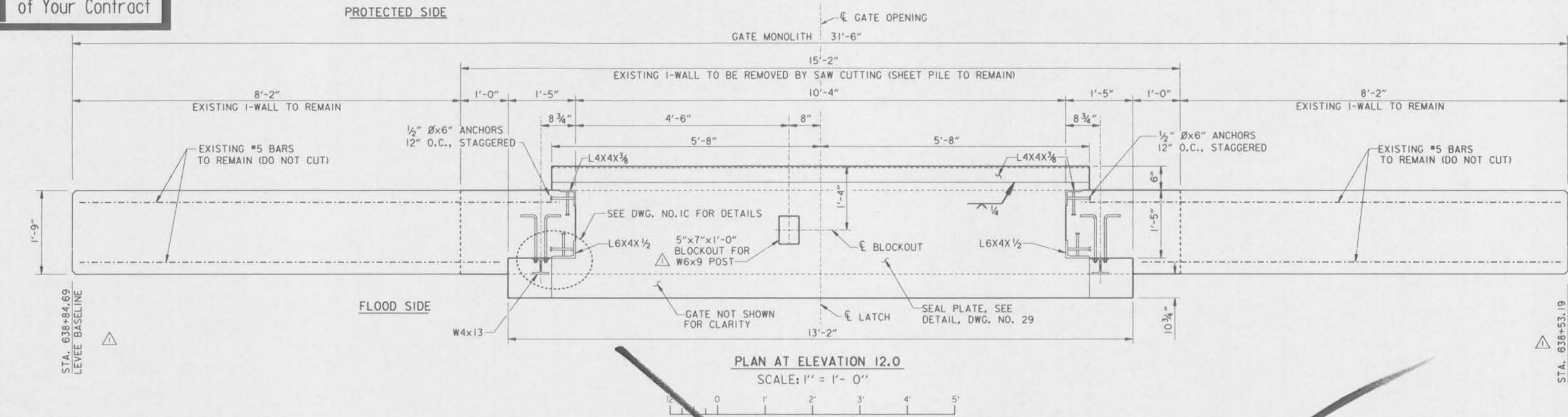
1'-5"

1'-0"

1'-5"

1'-0"

Safety is a Part of Your Contract

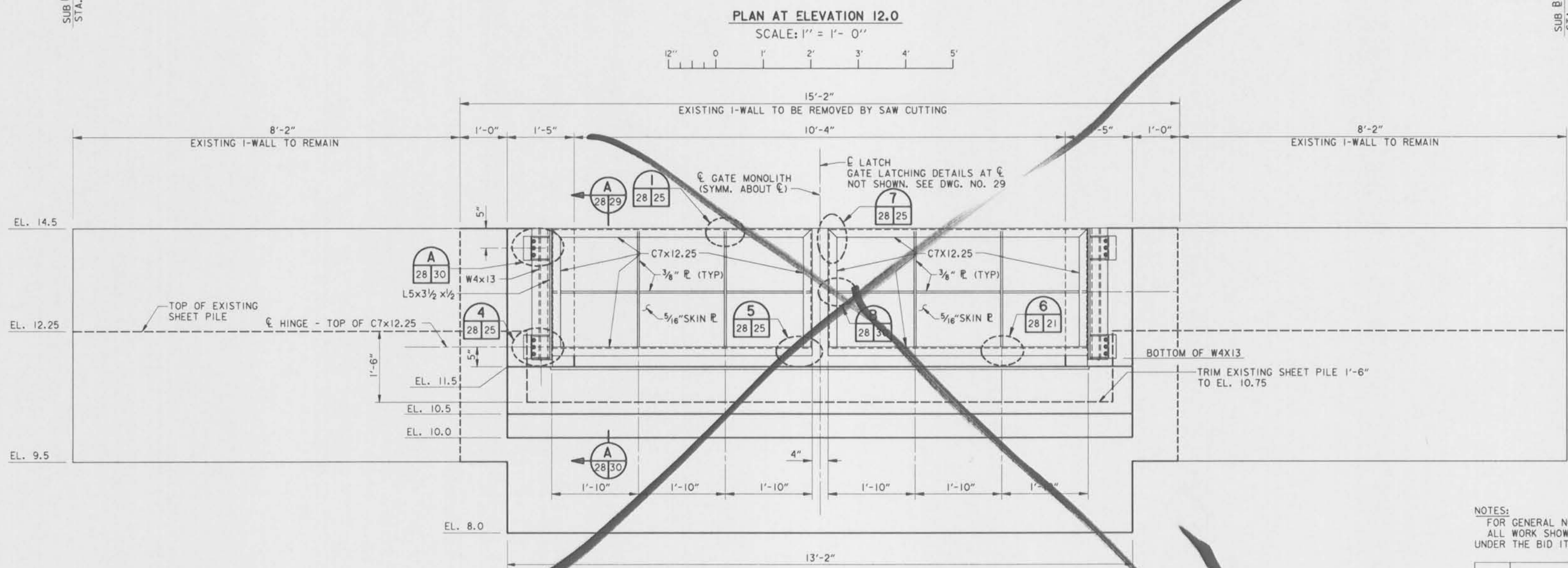
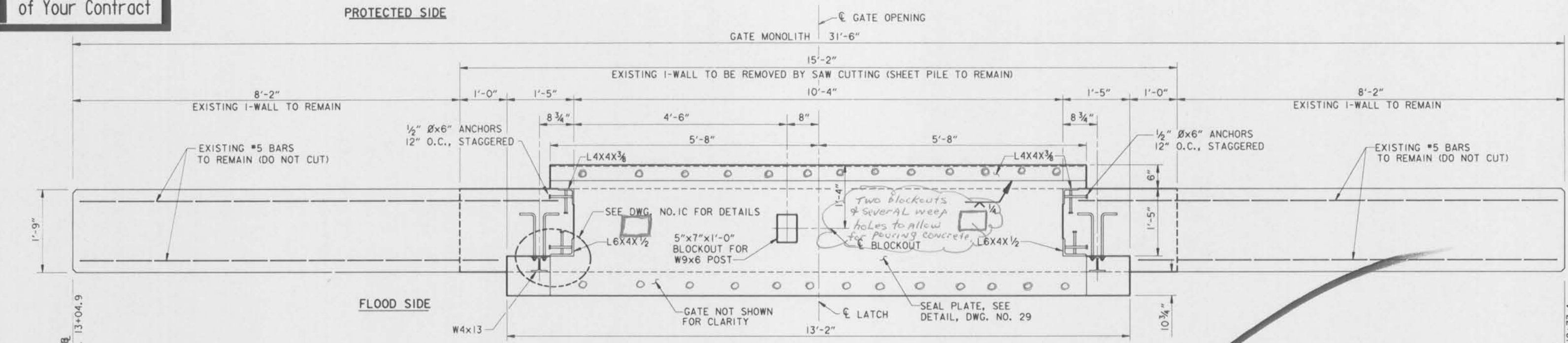


NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
ALL WORK SHOWN ON DWG. NOS. 28-31 TO BE PAID UNDER THE BID ITEM "FLOODWALL GATE NEAR I-10."

SYMBOL	DESCRIPTION	DATE	APPROVED
△	GENERAL REVISIONS: AMENDMENT NO. 1	7-14-95	M.D.
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESH & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODGATE NEAR I-10 - I			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM7.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		
SOLICITATION NO. DACW29-95-B-0095		DWG. 28 OF 79	



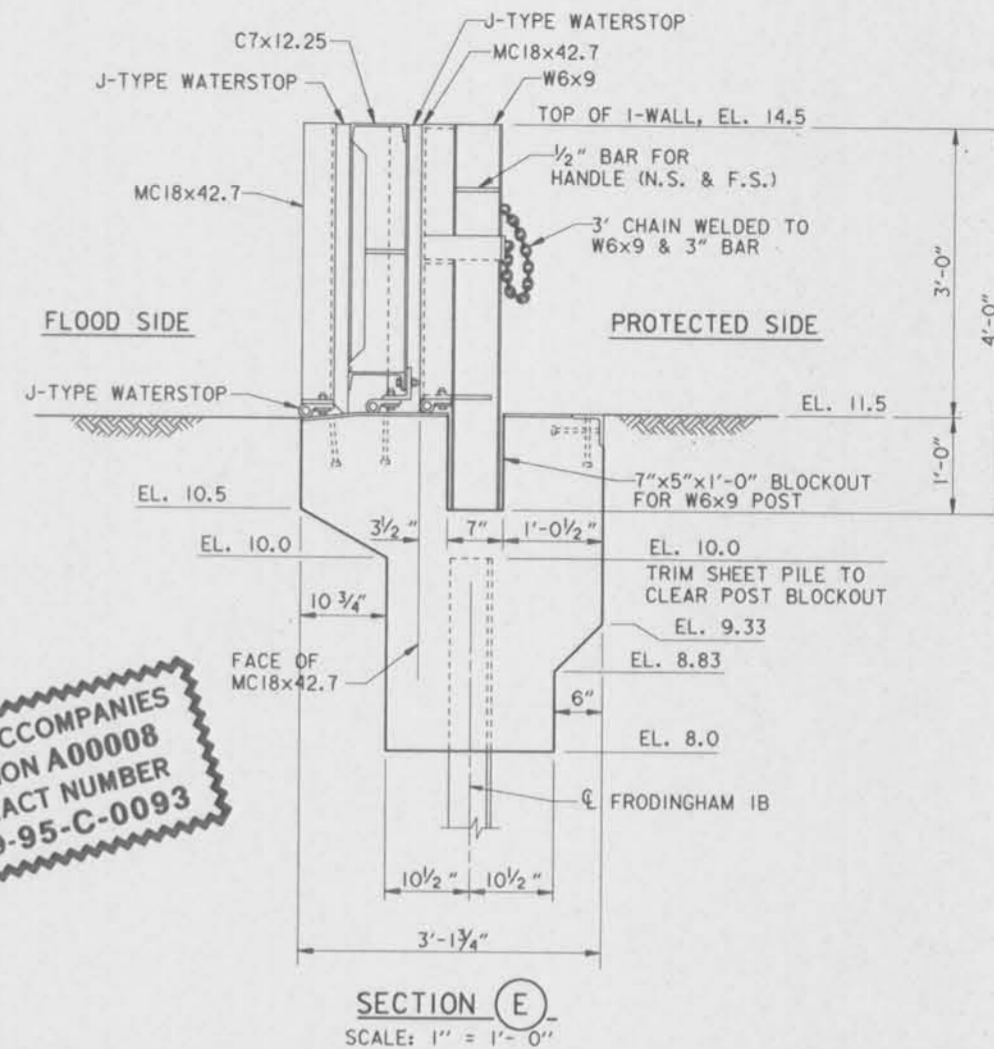
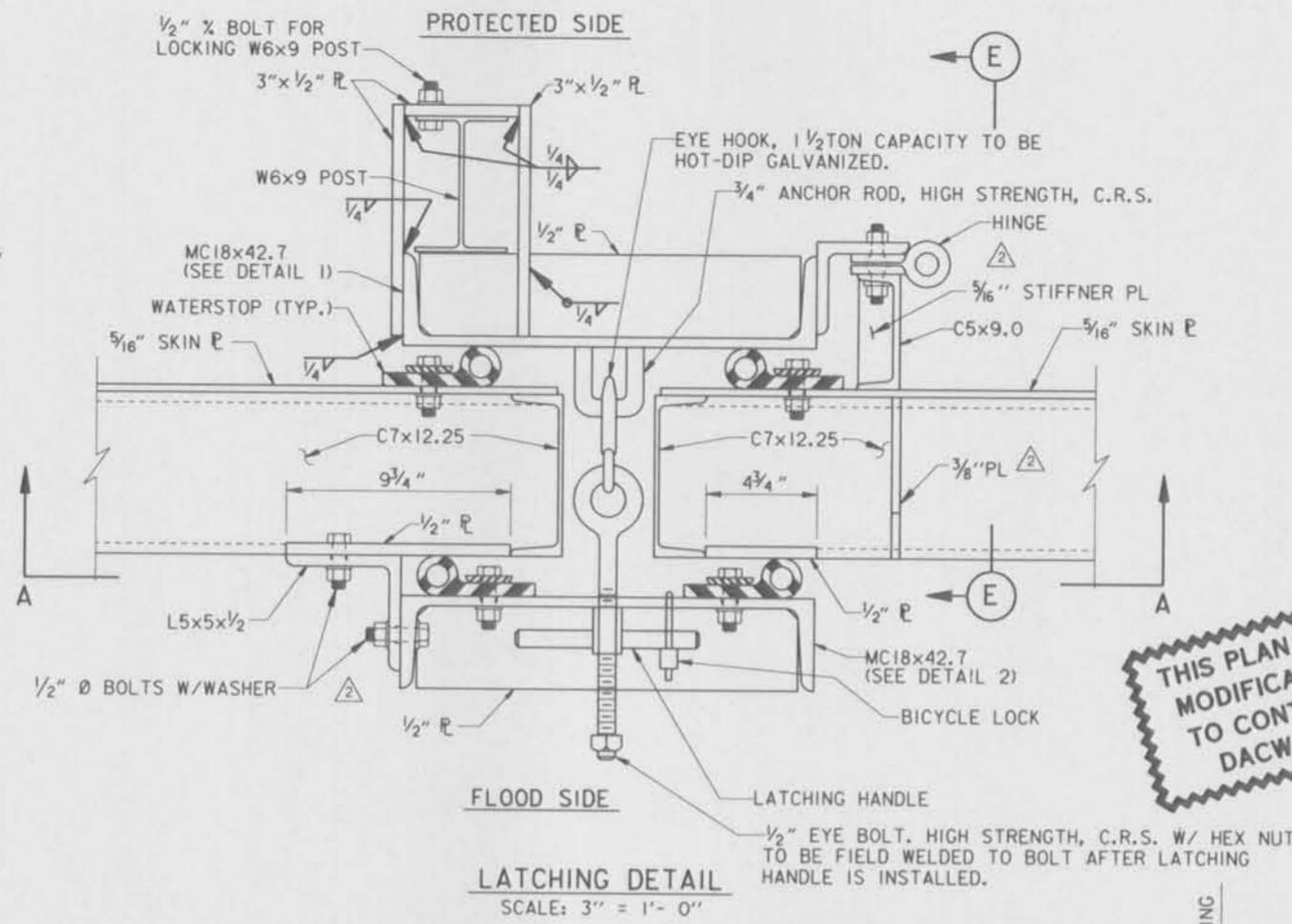
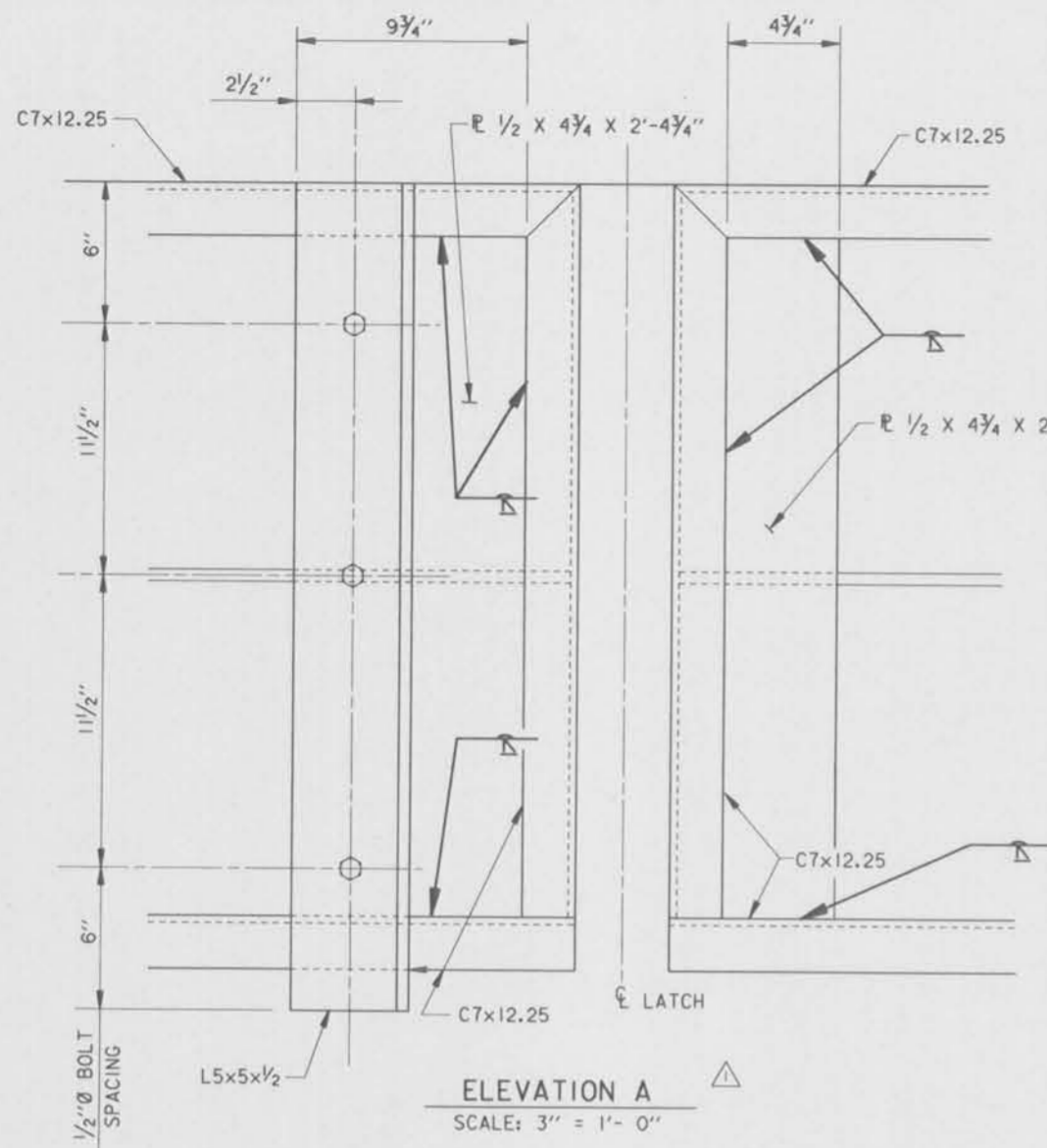
Safety is a Part of Your Contract



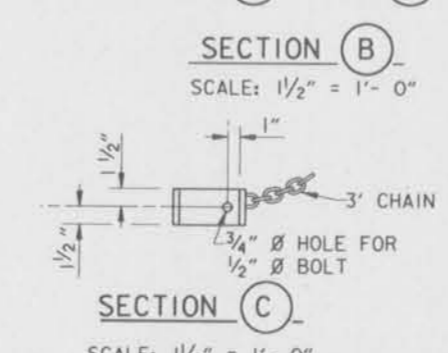
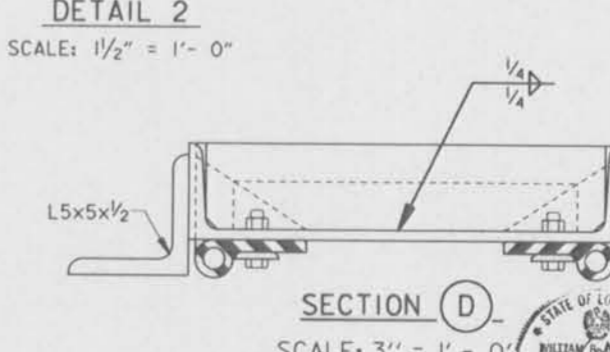
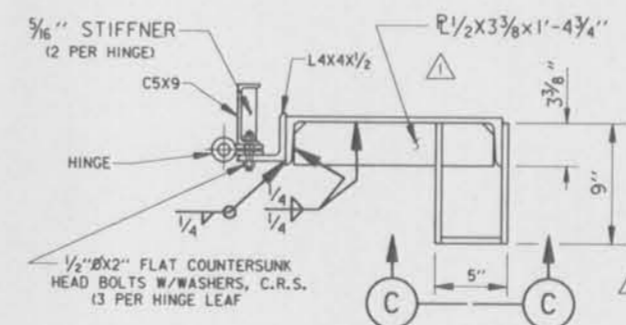
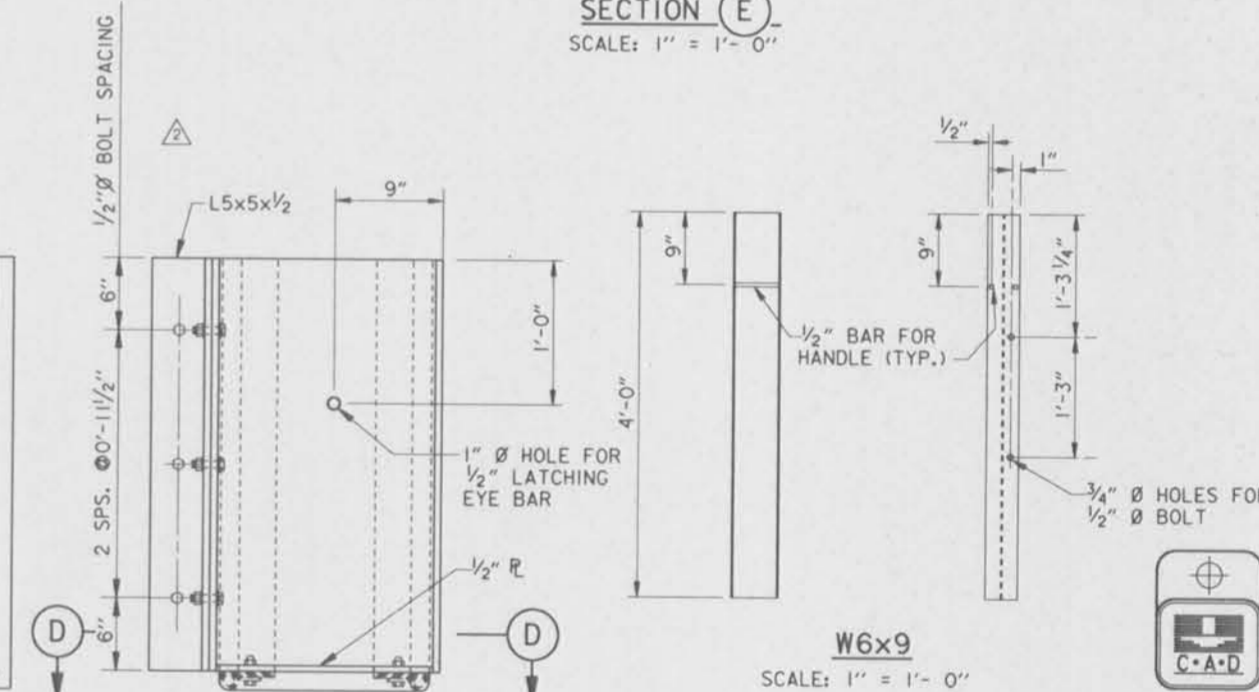
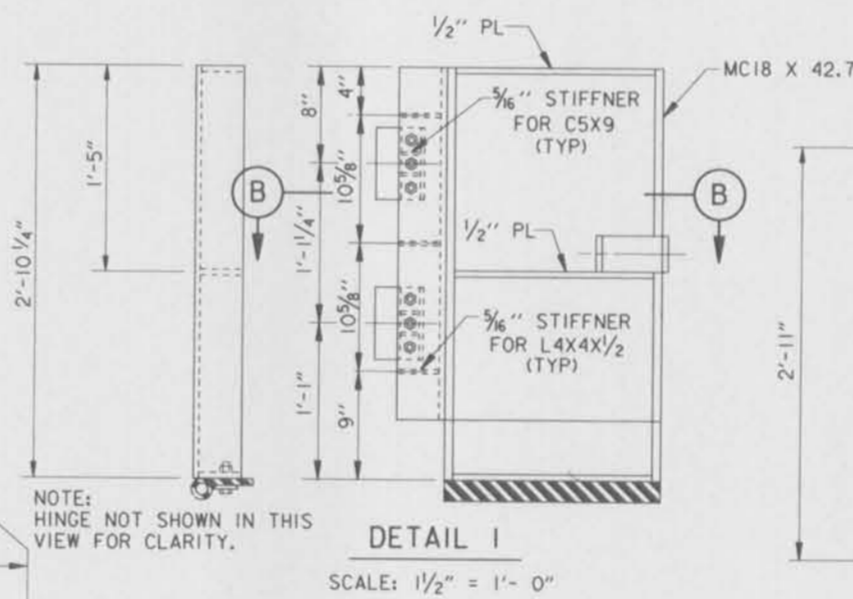
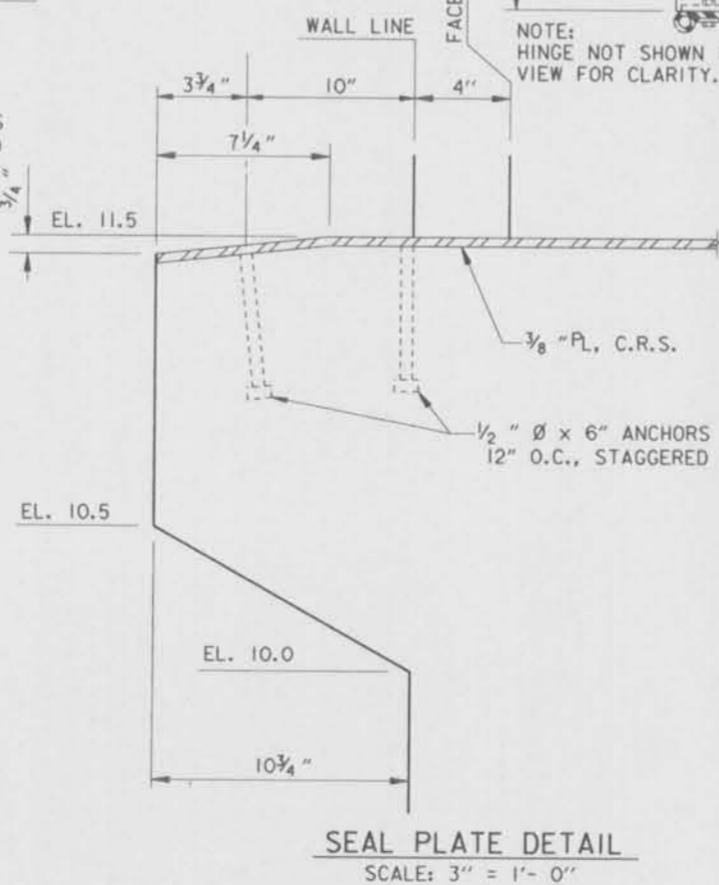
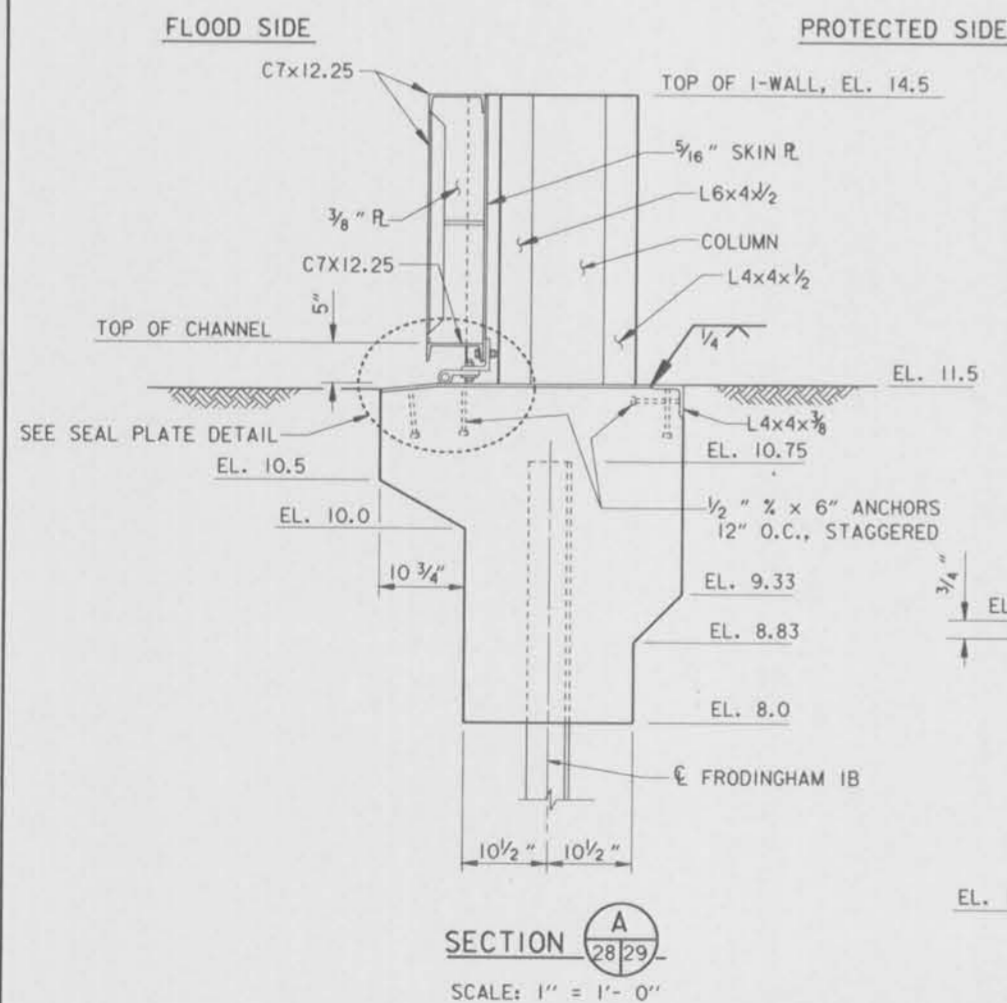
NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 ALL WORK SHOWN ON DWG. NOS. 28-31 TO BE PAID UNDER THE BID ITEM "FLOODWALL GATE NEAR I-10."

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODGATE NEAR I-10 - 1			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMT.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	
DESIGN ENGINEER		DWG. 28 OF 79	





**THIS PLAN ACCOMPANIES
MODIFICATION A0008
TO CONTRACT NUMBER
DACW29-95-C-0093**



NOTES:
FOR NOTES PERTAINING TO THIS SHEET, SEE
DWG. NO. 28.

SYMBOL	DESCRIPTION	DATE	APPROVED
△	GENERAL REVISIONS, MODIFICATION NO. 1.	12-8-95	A.A.H.
▲	ADDED ELEVATION A AND GENERAL MODIFICATIONS AMENDMENT NO. 1.	7-14-95	M.D.

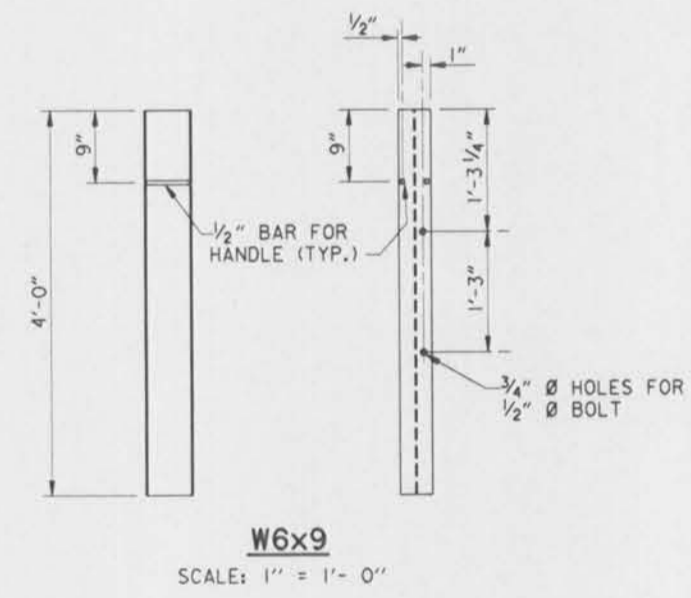
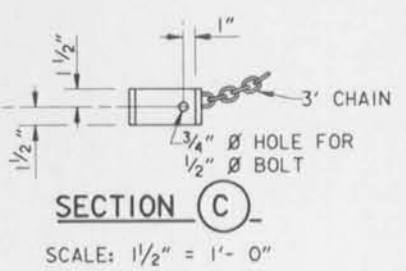
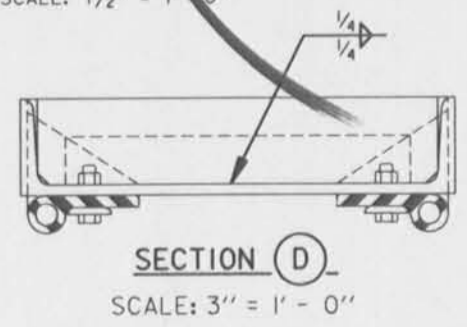
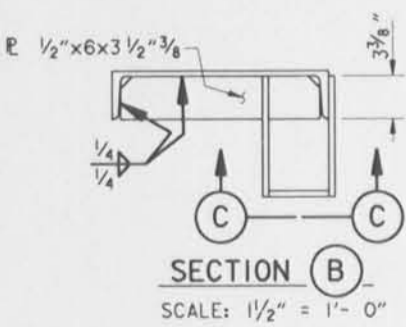
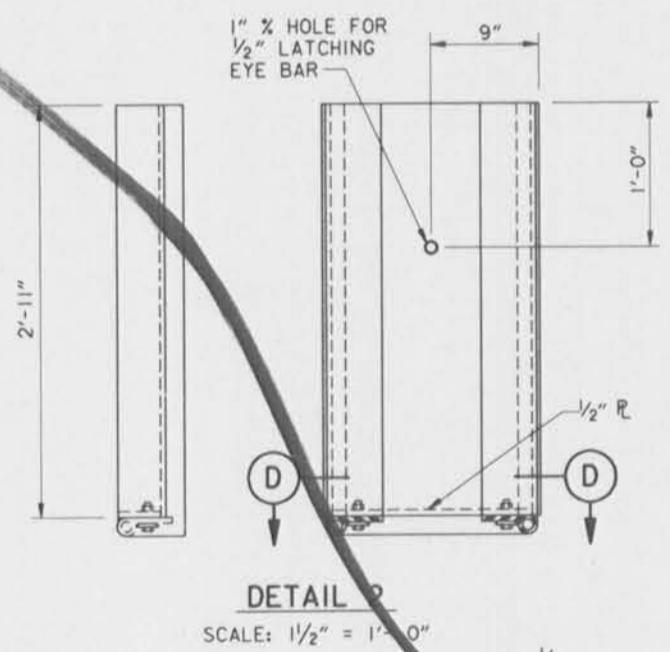
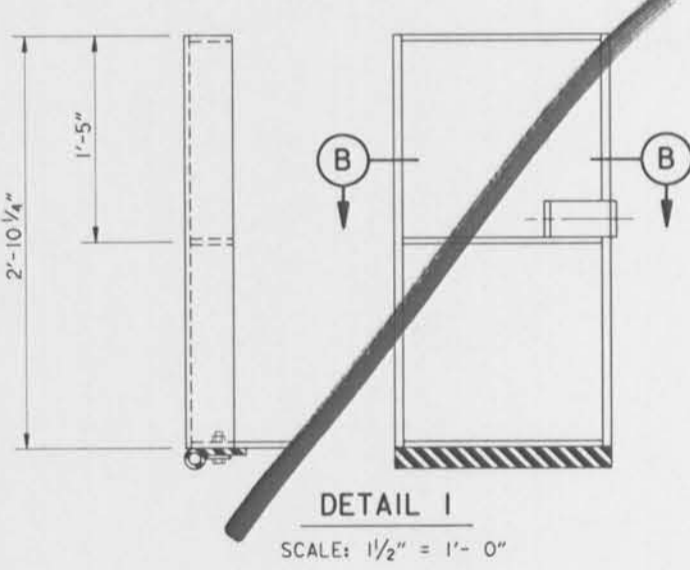
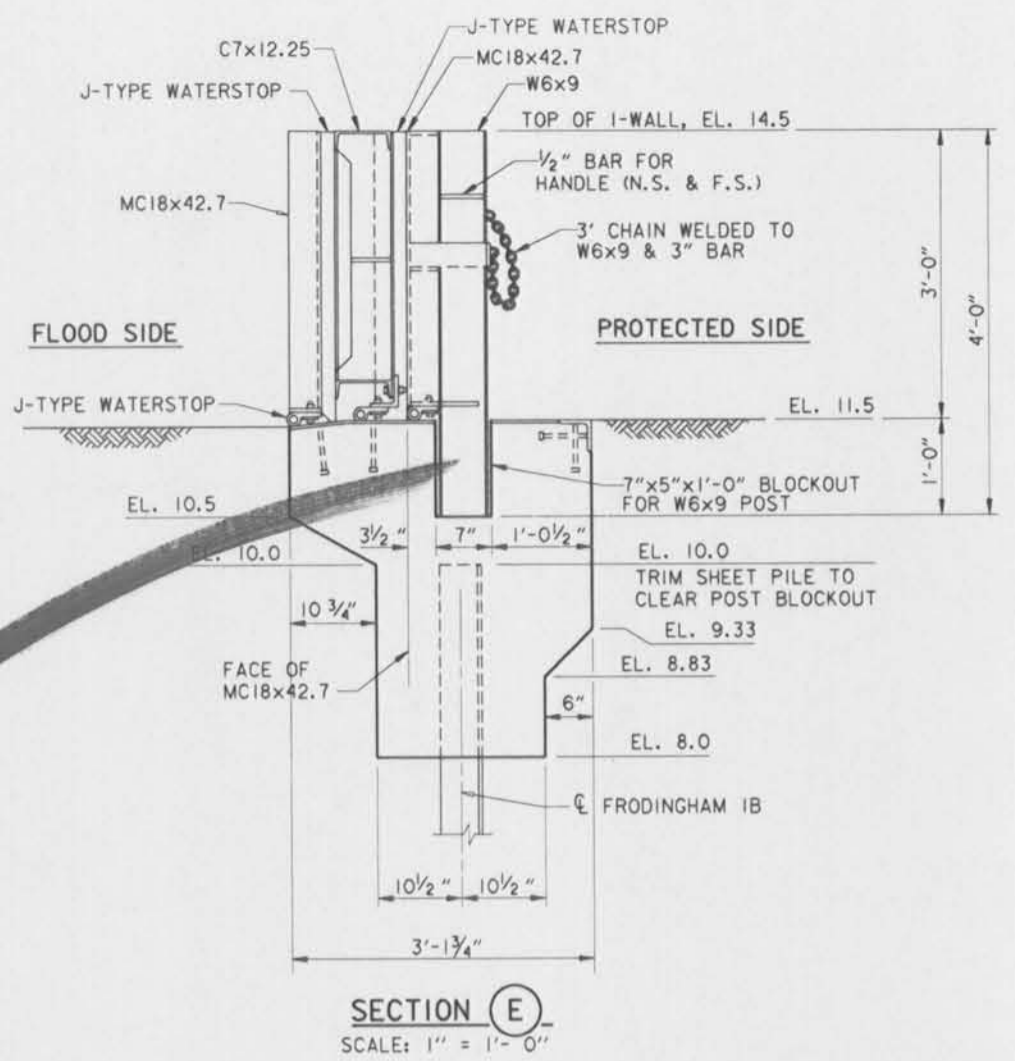
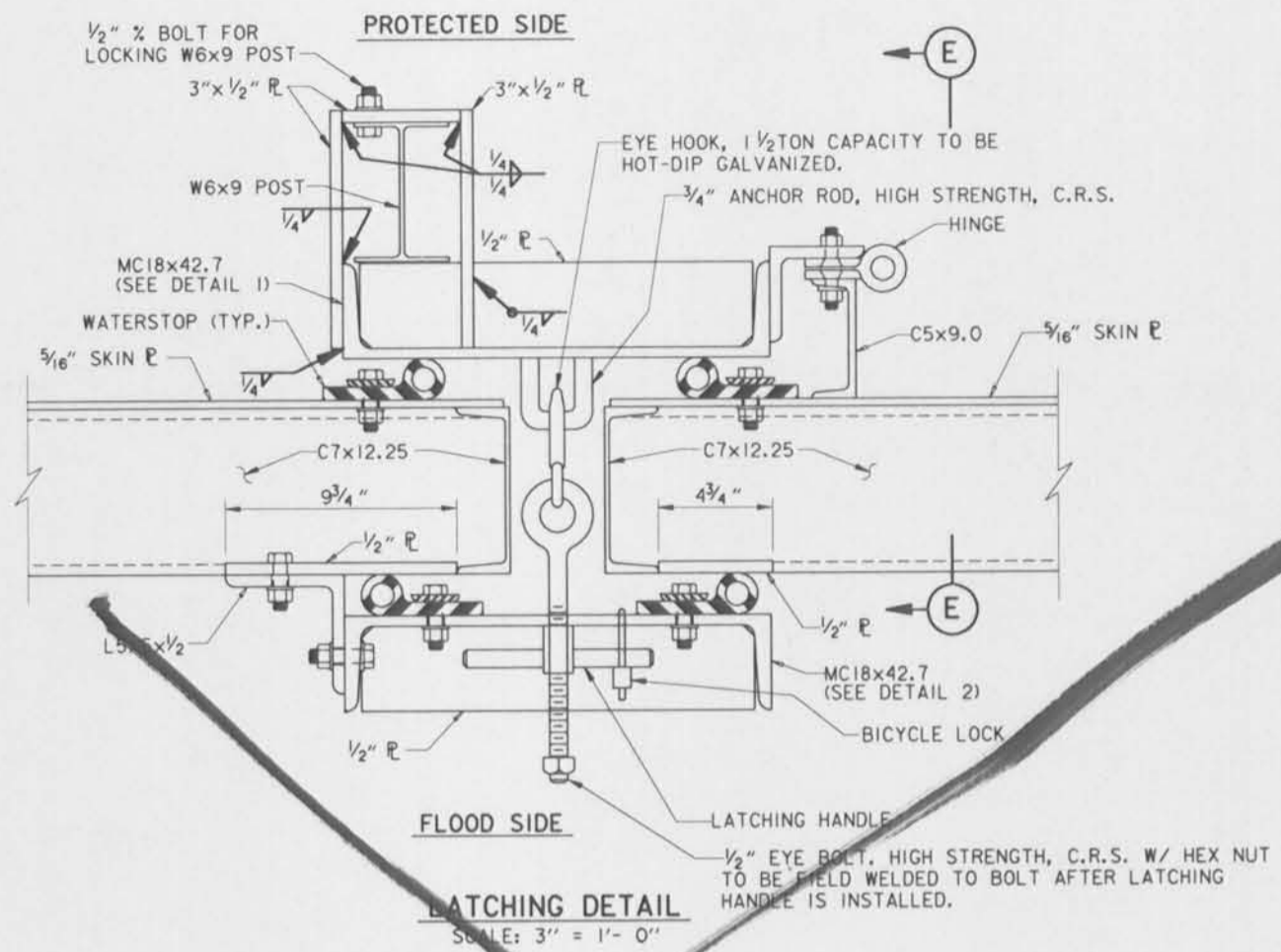
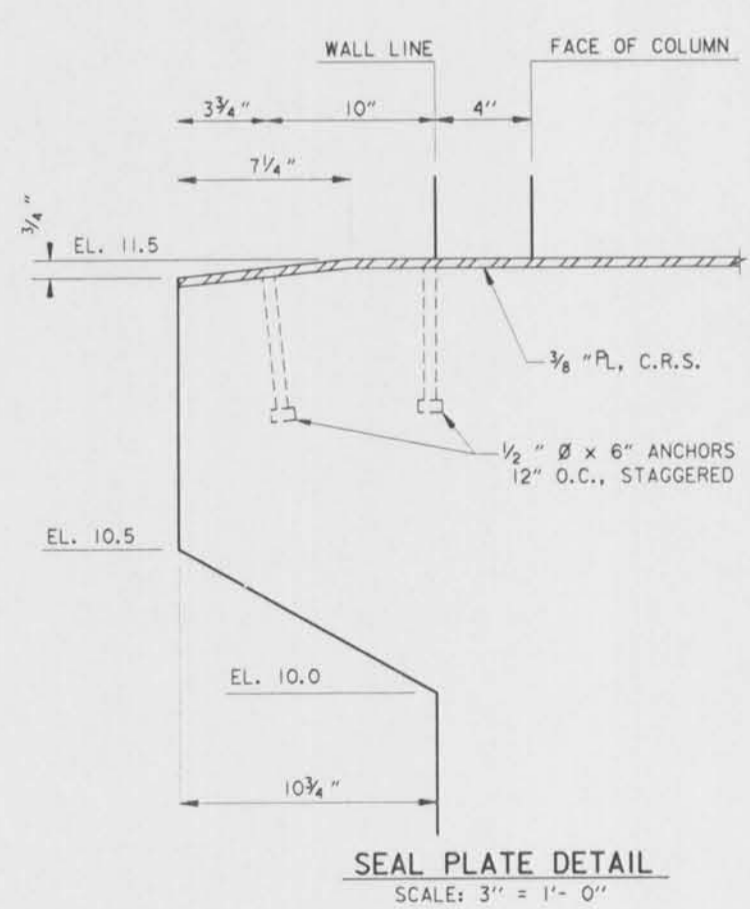
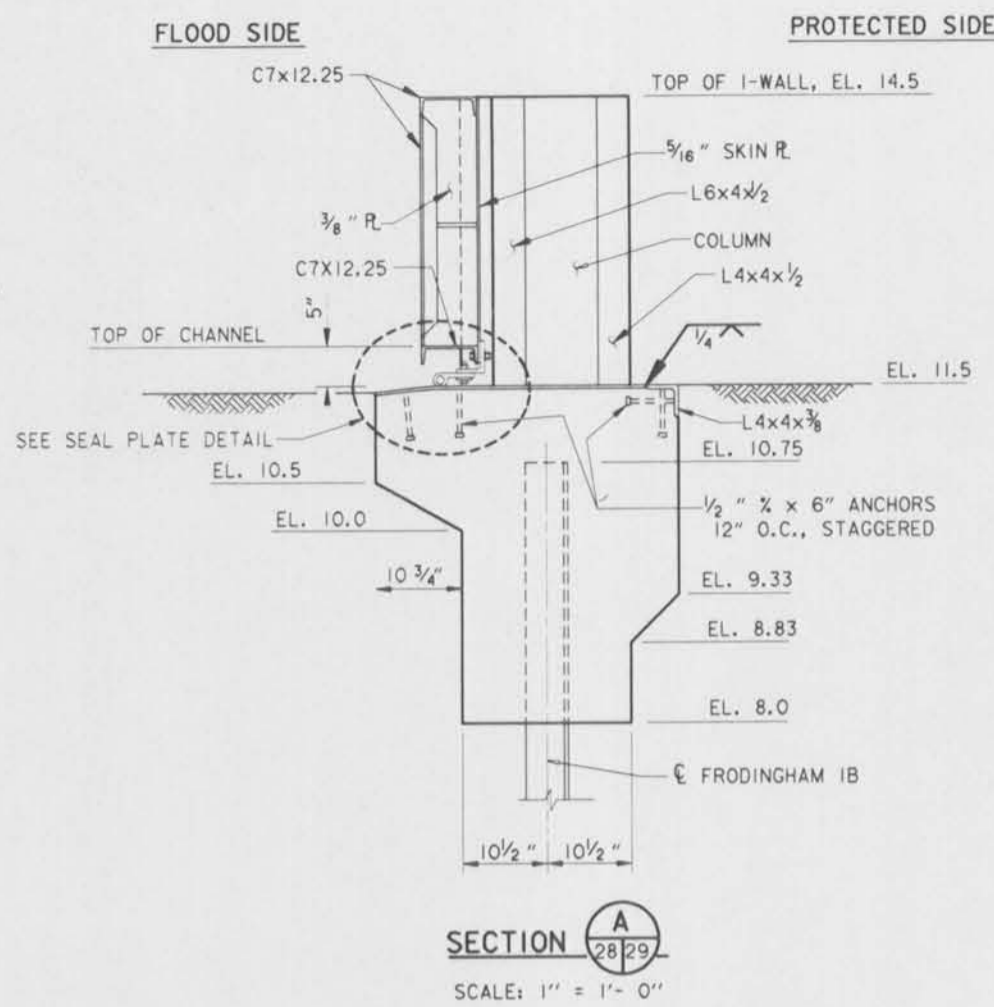
REVISIONS	
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA	U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA

DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.S.	CADD FILE: MMB.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 29 OF 79

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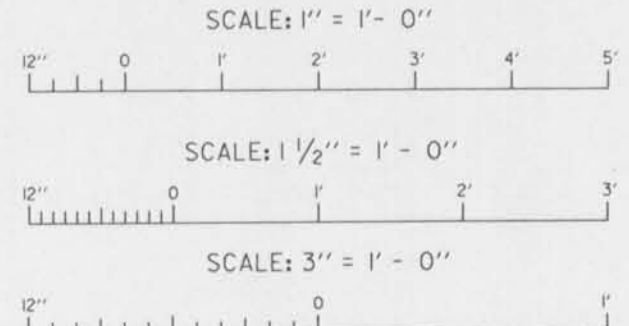


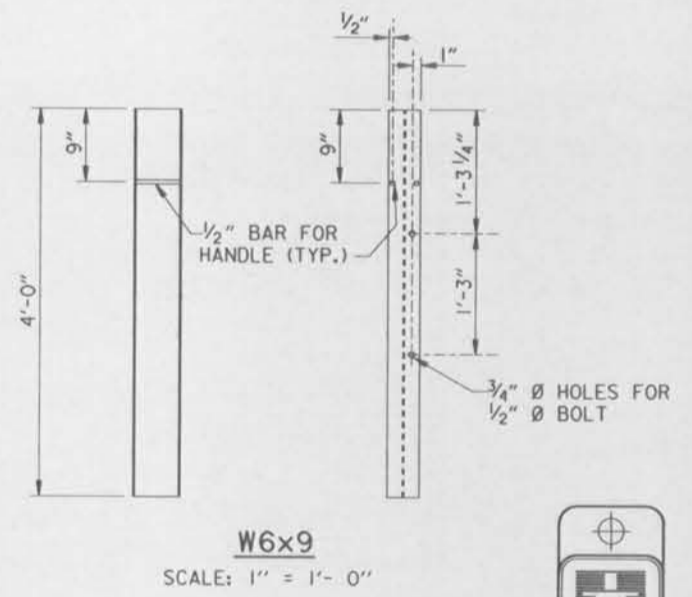
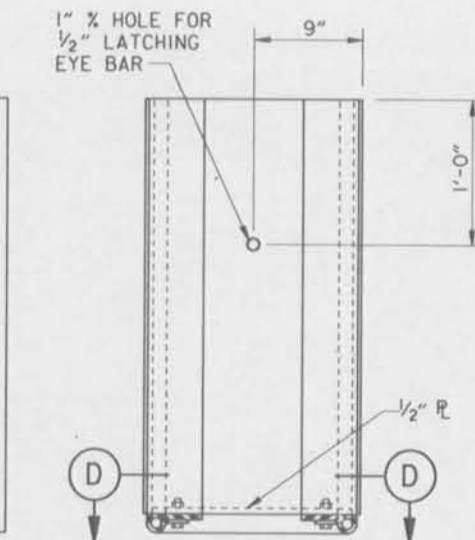
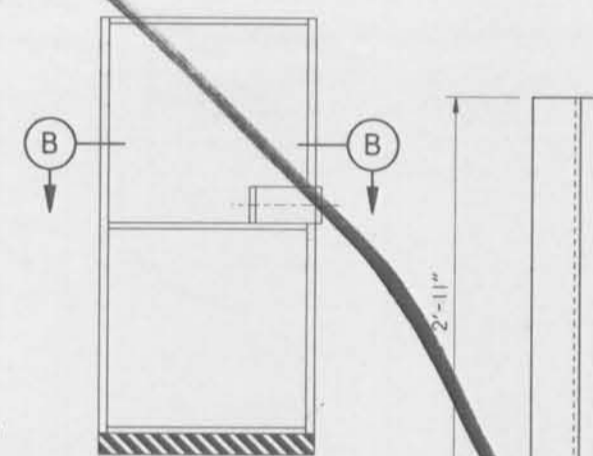
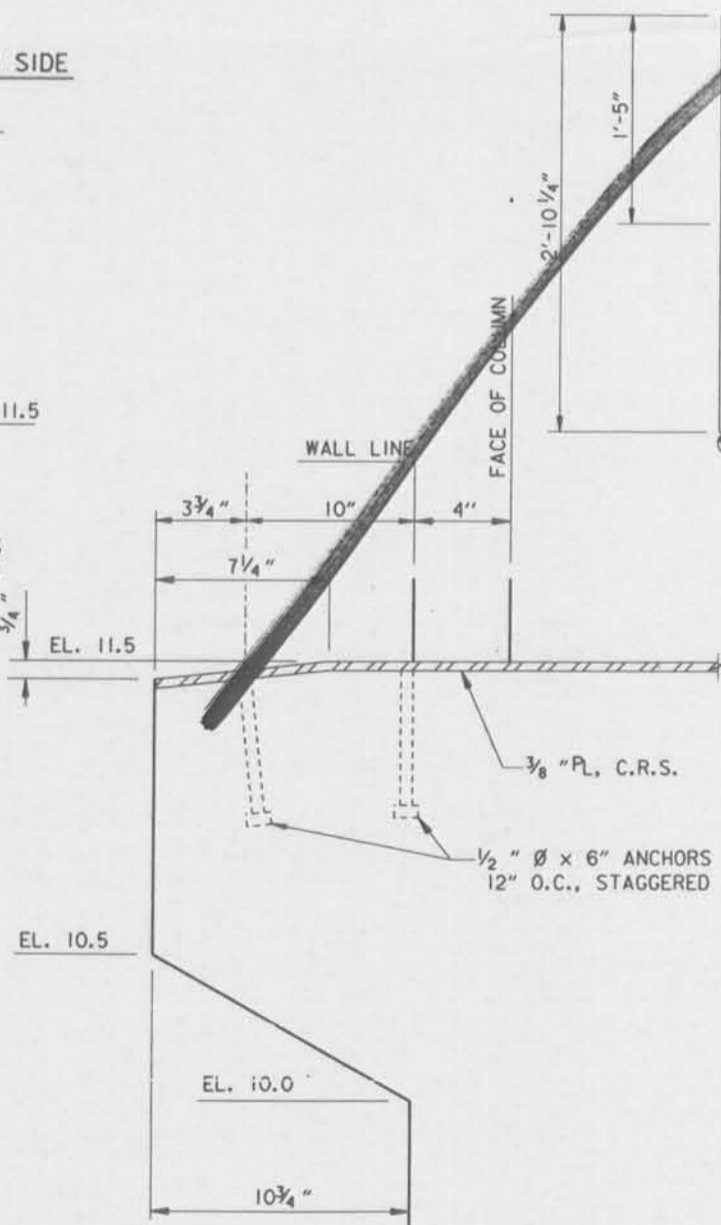
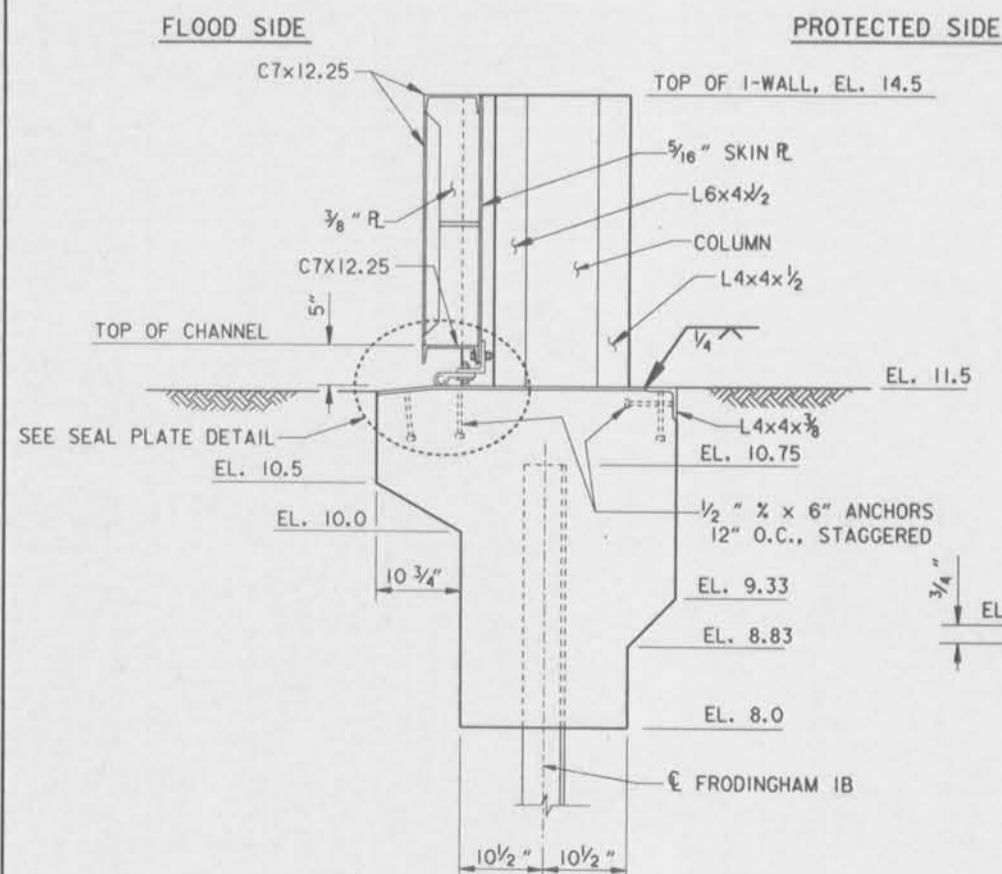
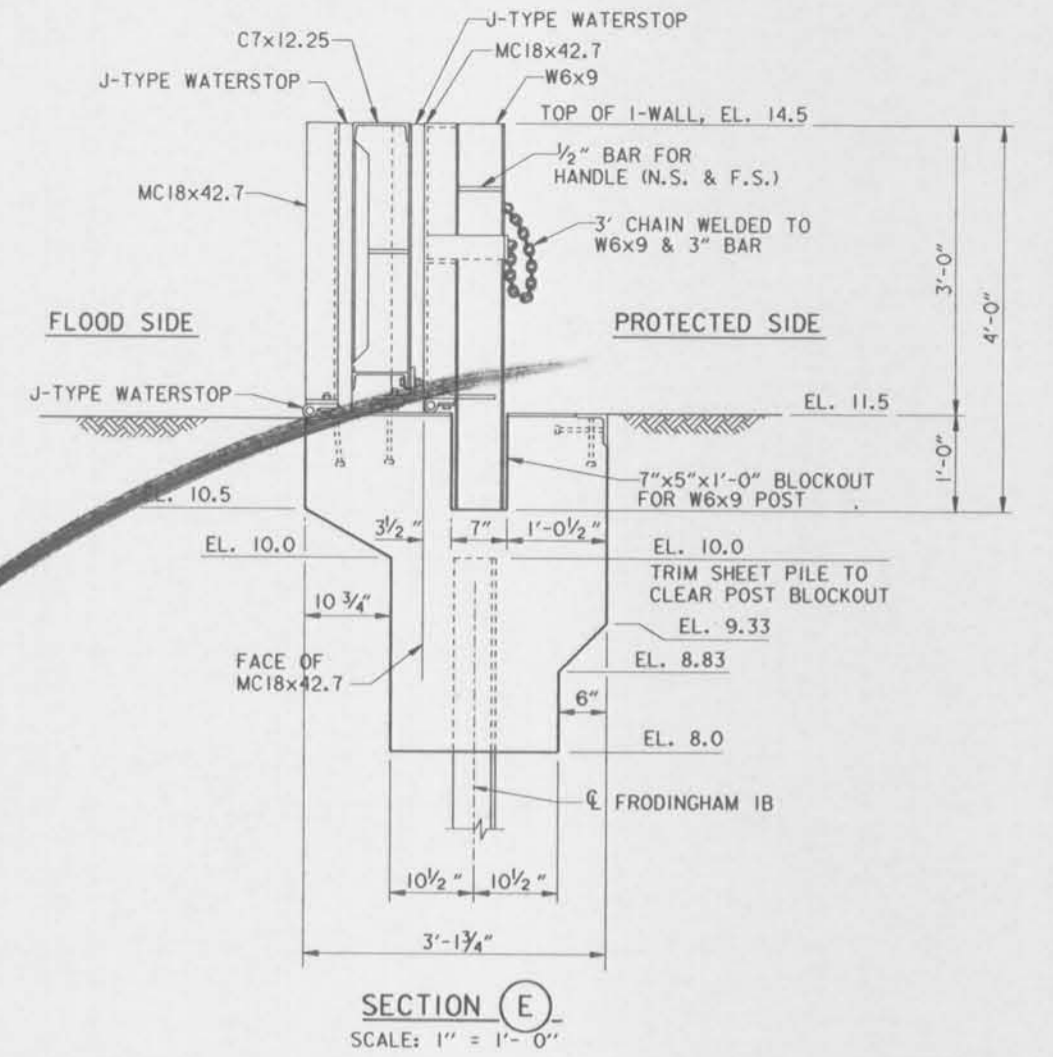
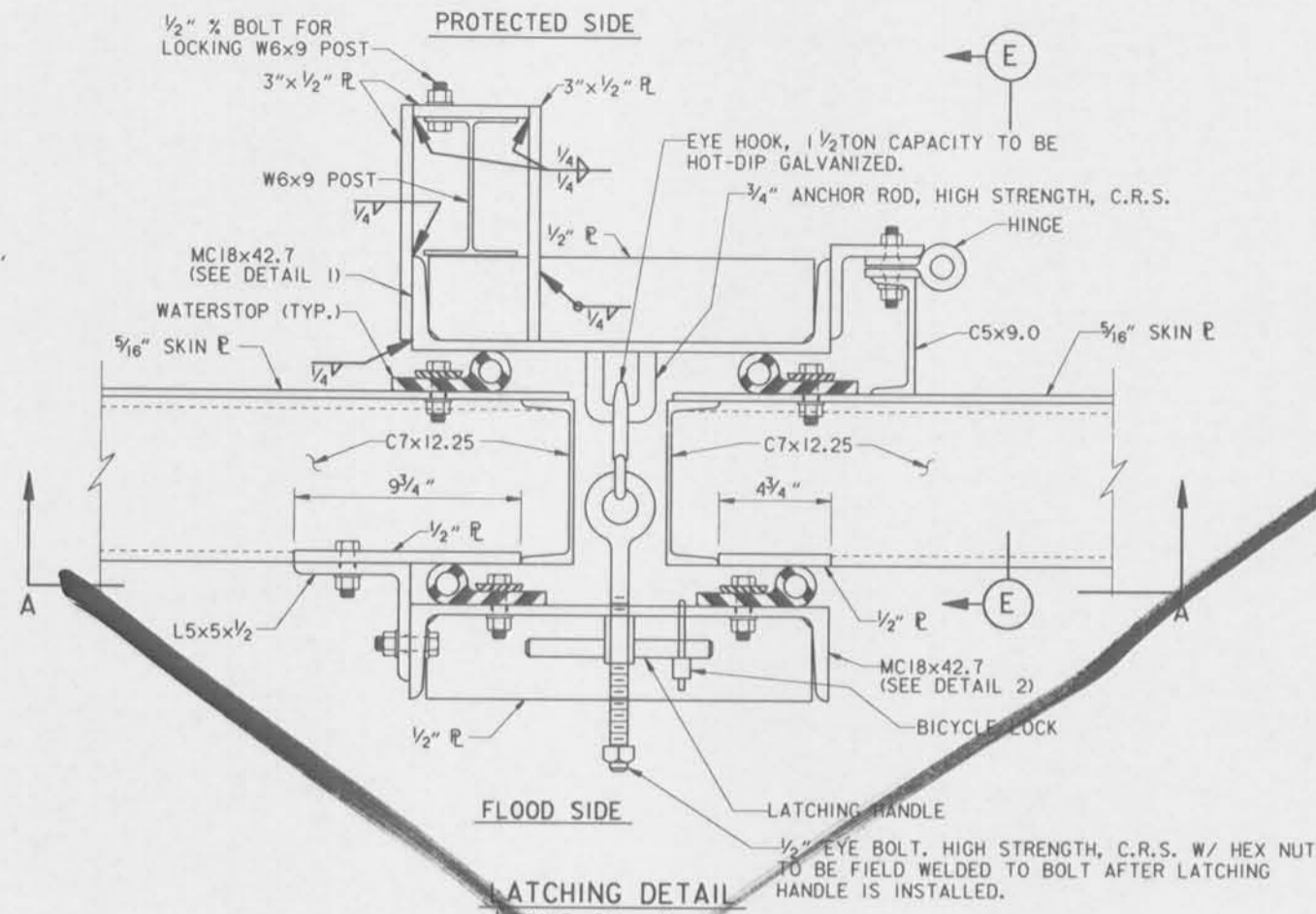
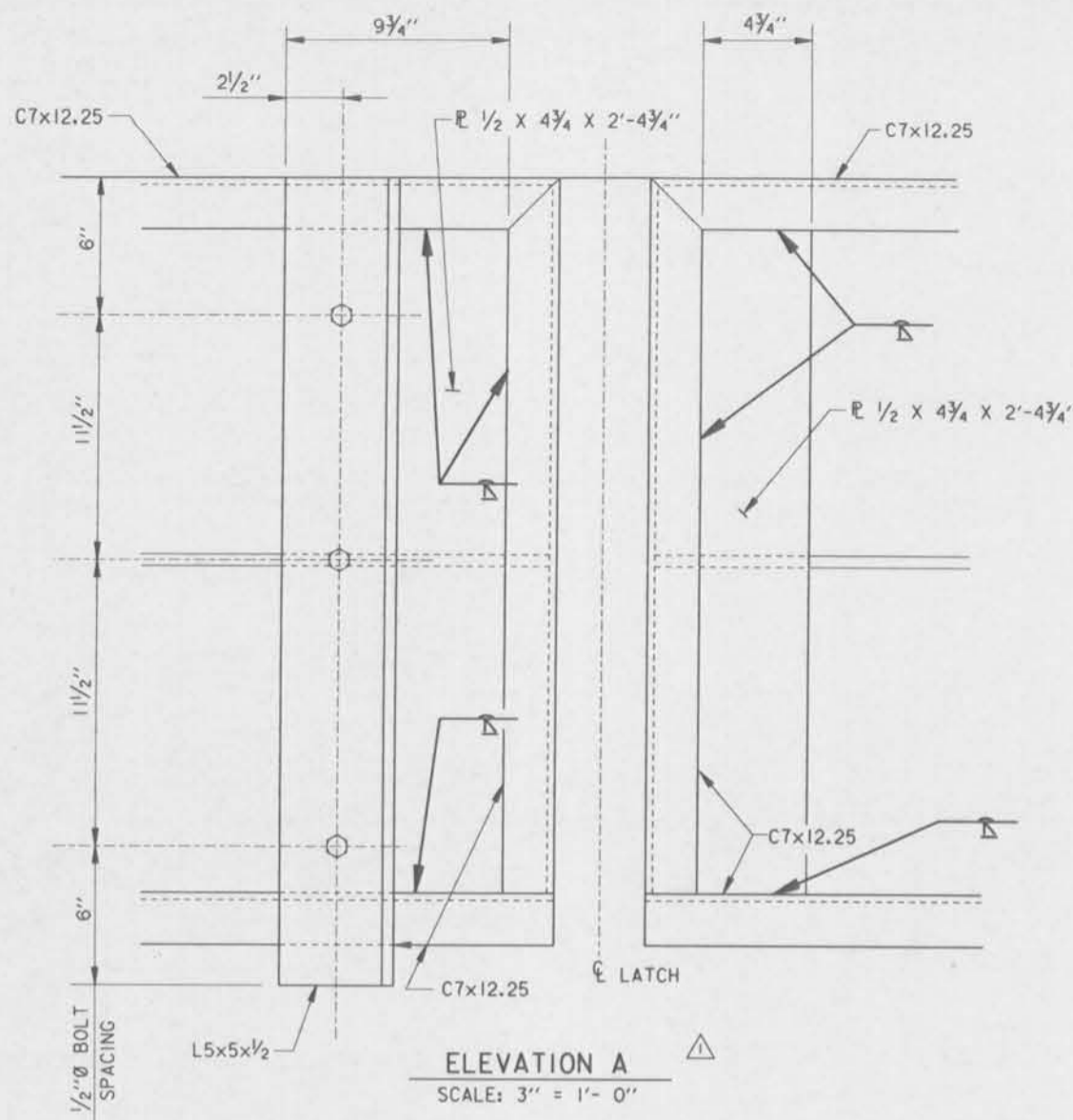
Safety is a Part of Your Contract



NOTES:
FOR NOTES PERTAINING TO THIS SHEET, SEE DWG. NO. 28.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODGATE NEAR I-10 - 2			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMB.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SOLICITATION NO. DACW29-95-B-0095	DWG. 29 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

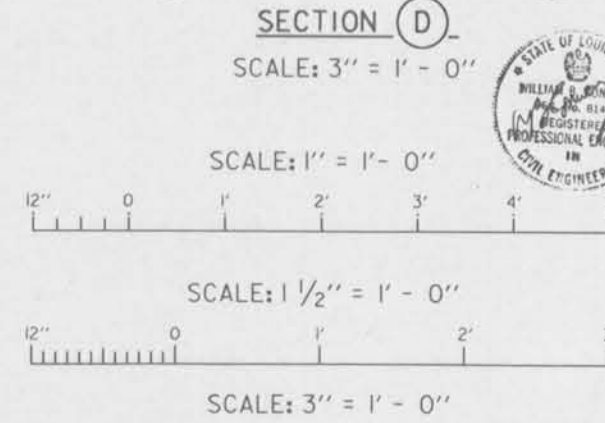
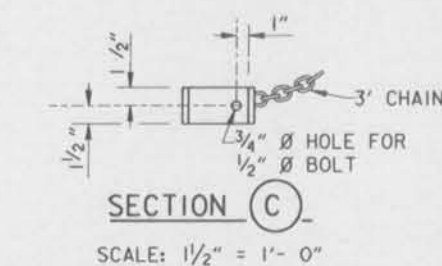
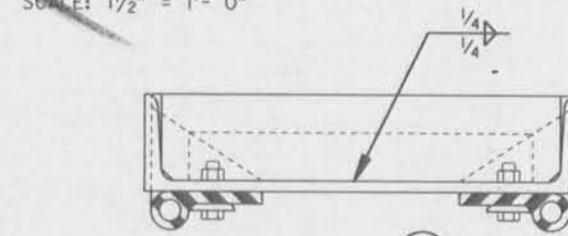
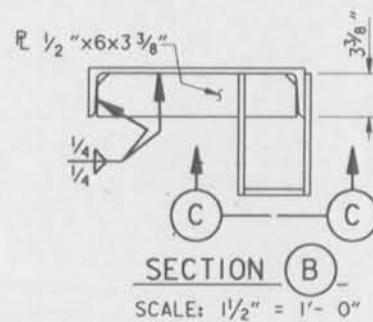




SECTION A
SCALE: 1" = 1'-0"

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

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



NOTES:
FOR NOTES PERTAINING TO THIS SHEET, SEE DWG. NO. 28.

SYMBOL	DESCRIPTION	DATE	APPROVED
△	ADDED ELEVATION A AND GENERAL MODIFICATIONS AMENDMENT NO. 1.	7-14-95	M.D.

REVISIONS

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

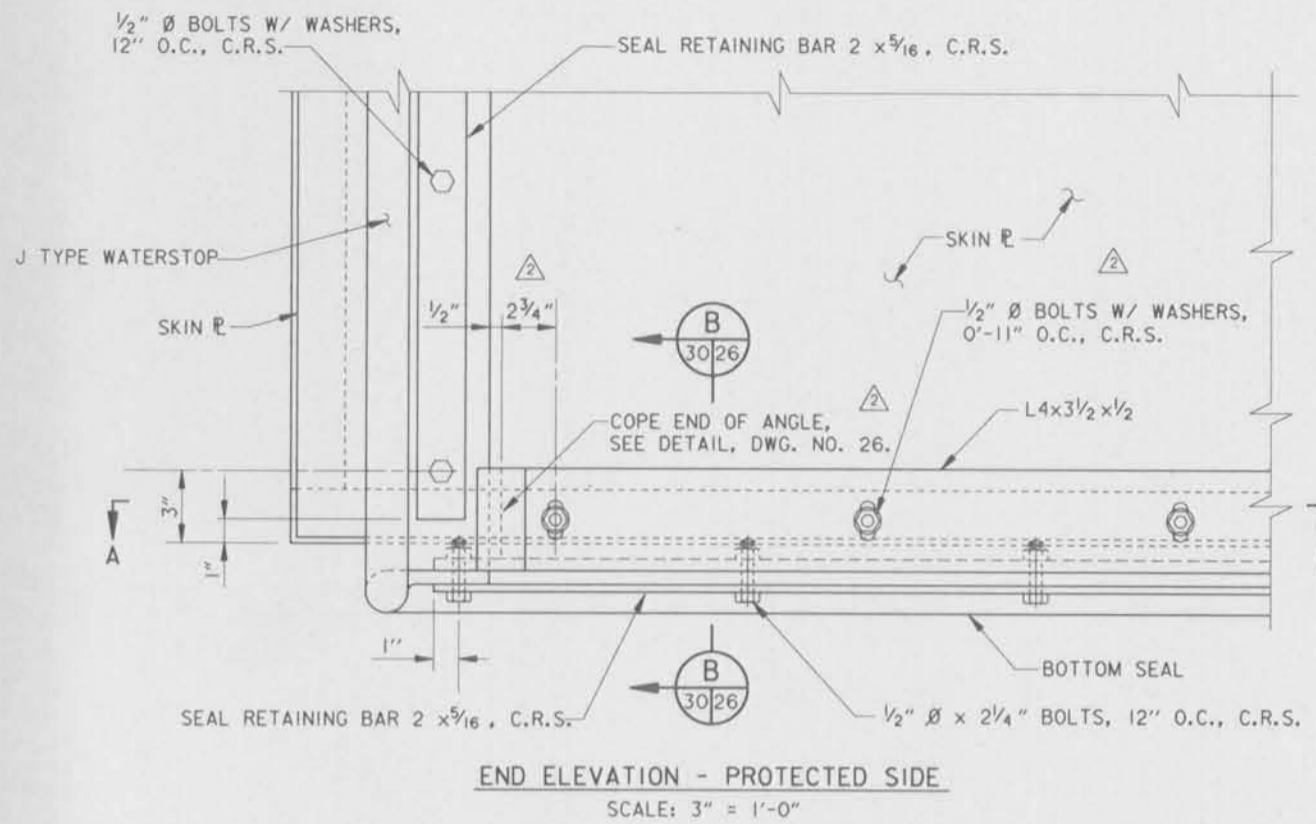
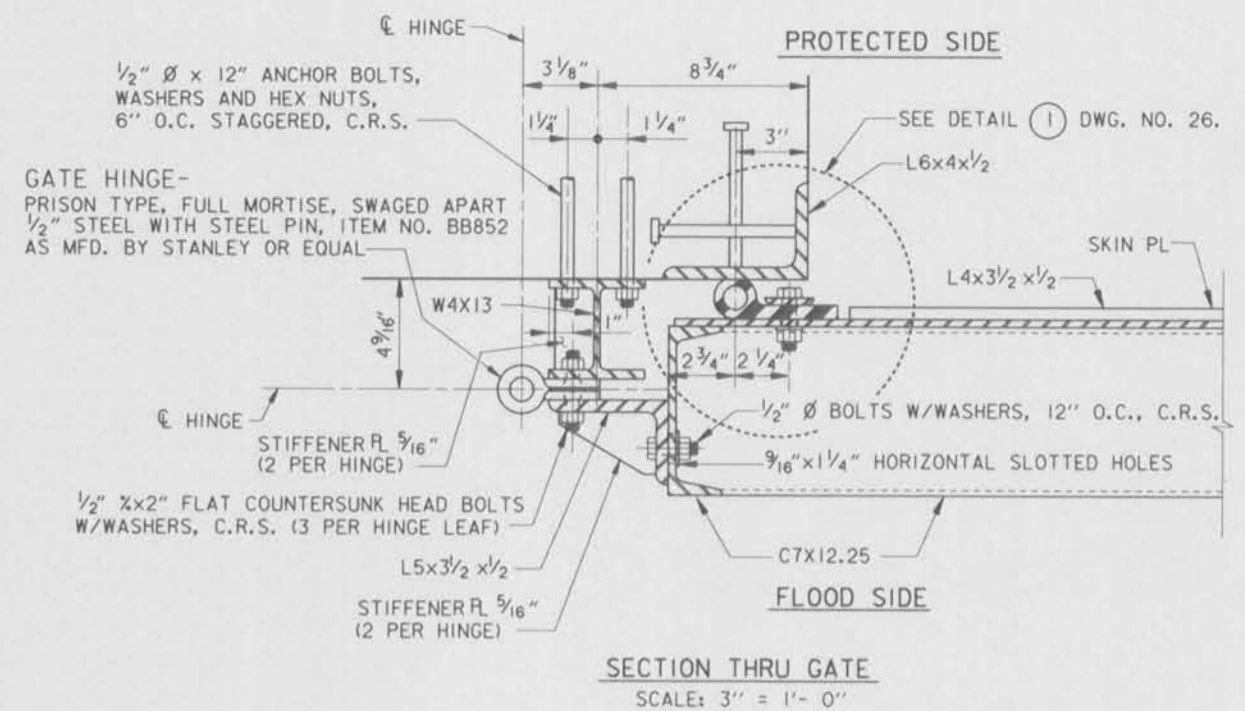
**VETERANS BLVD. BRIDGES
FLOODGATE NEAR 1-10 - 2**

DESIGNED BY: A.A.H.	DATES: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMB.DGN		FILE NO. H-4-40359
CHECKED BY: N.S.	SOLICITATION NO. DACW29-95-B-0095		DWG. 29 OF 79

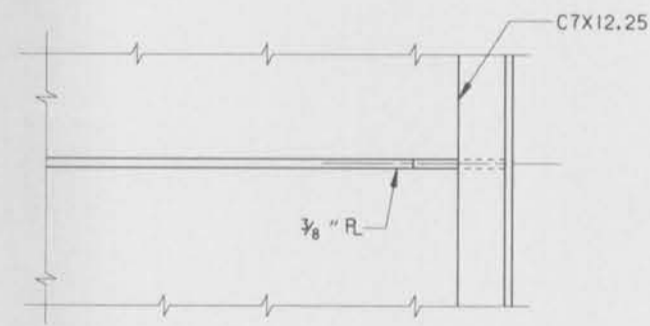
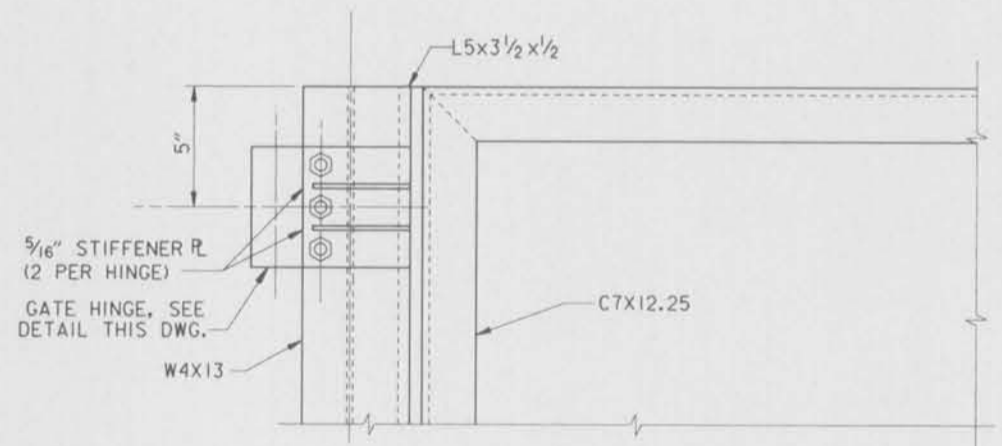
**Safety is a Part
of Your Contract**



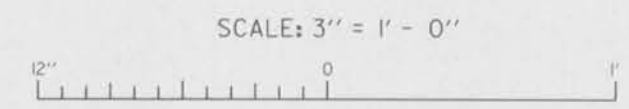
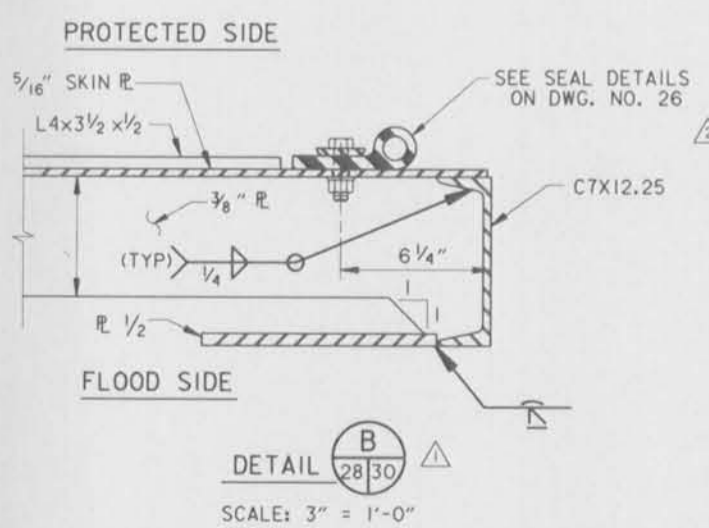
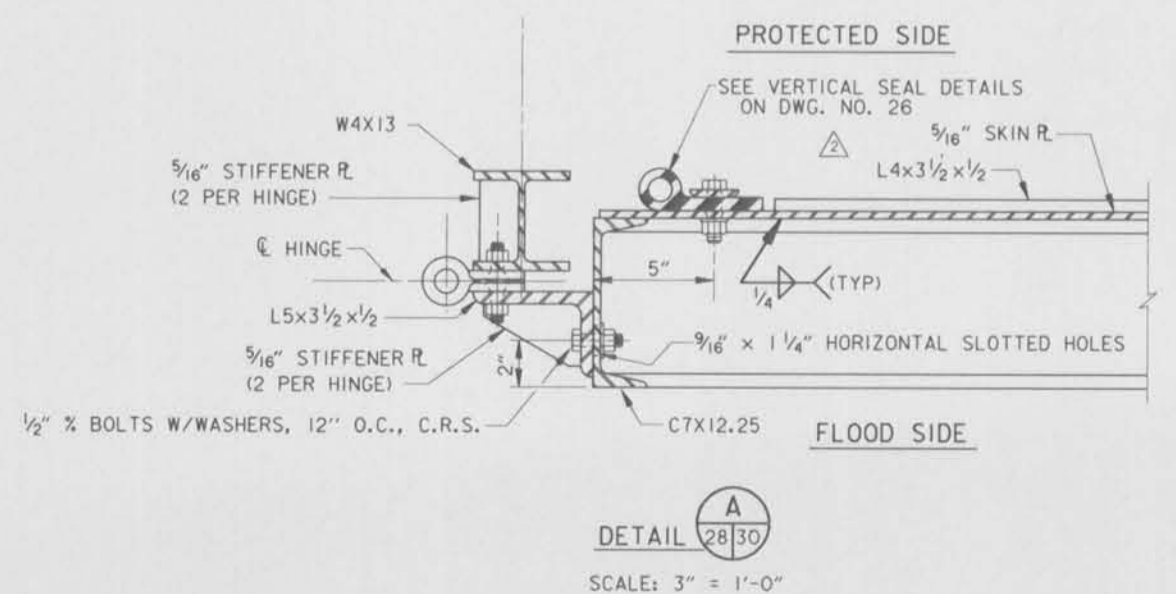
Safety is a Part of Your Contract



THIS PLAN ACCOMPANIES MODIFICATION A00008 TO CONTRACT NUMBER DACW29-95-C-0093



NOTES:
FOR OTHER NOTES PERTAINING TO THIS SHEET, SEE DWG. NO 28.
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.
SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.
AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.



SYMBOL	DESCRIPTION	DATE	APPROVED
△	REVISED DWG. REFERENCE AND BOLT SPACING. MODIFICATION NO. 1.	12-8-95	A.A.H.
△	REVISED DETAIL B. AMENDMENT NO. 1.	7-14-95	M.D.

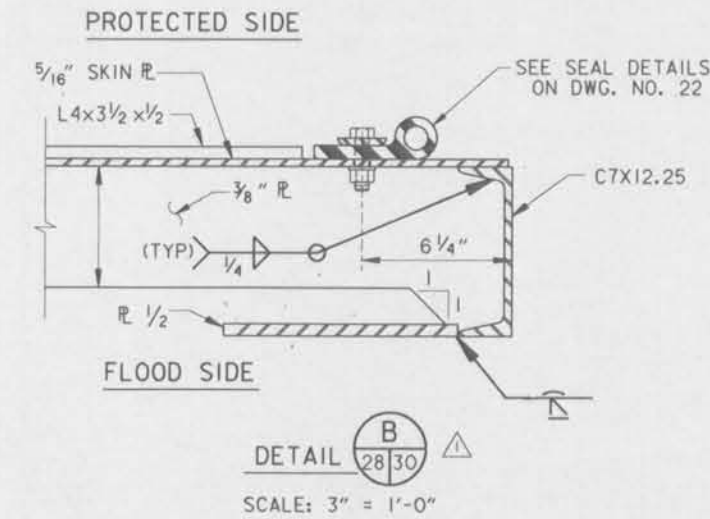
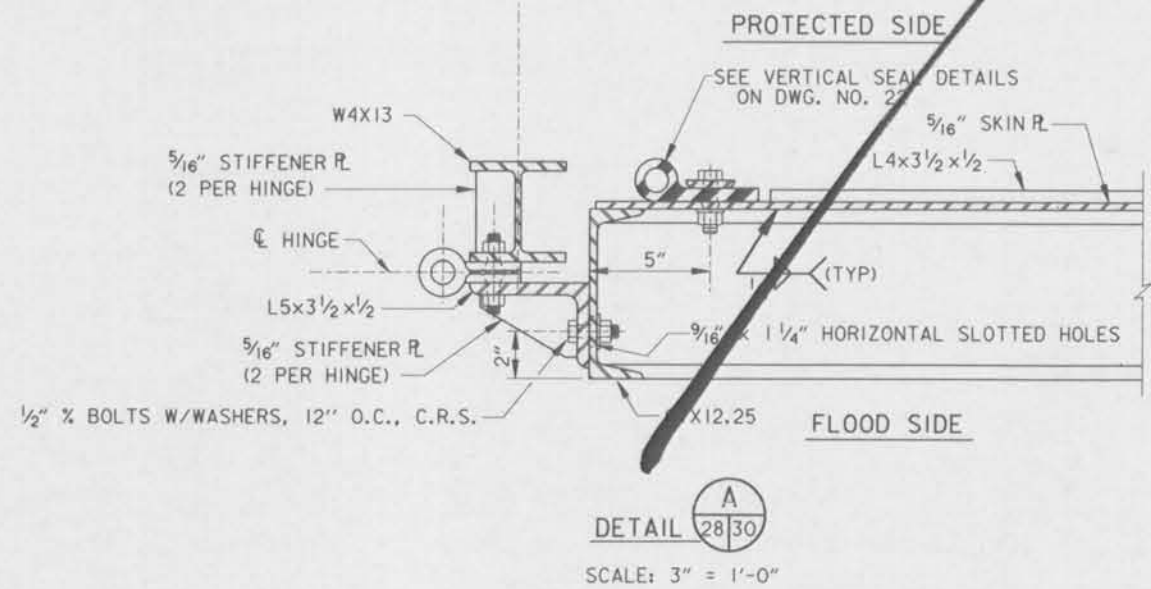
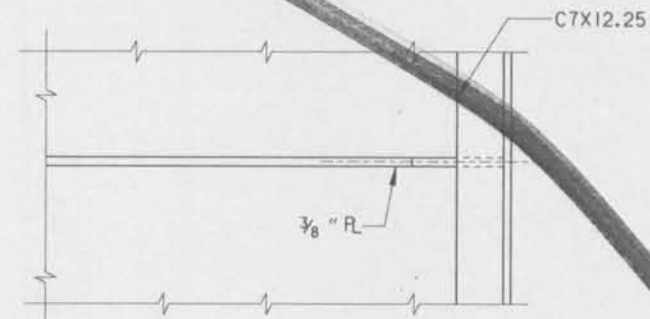
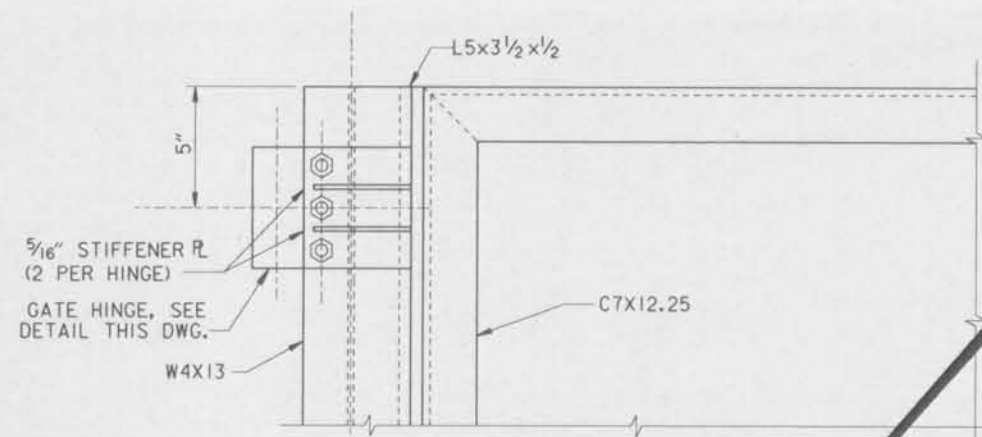
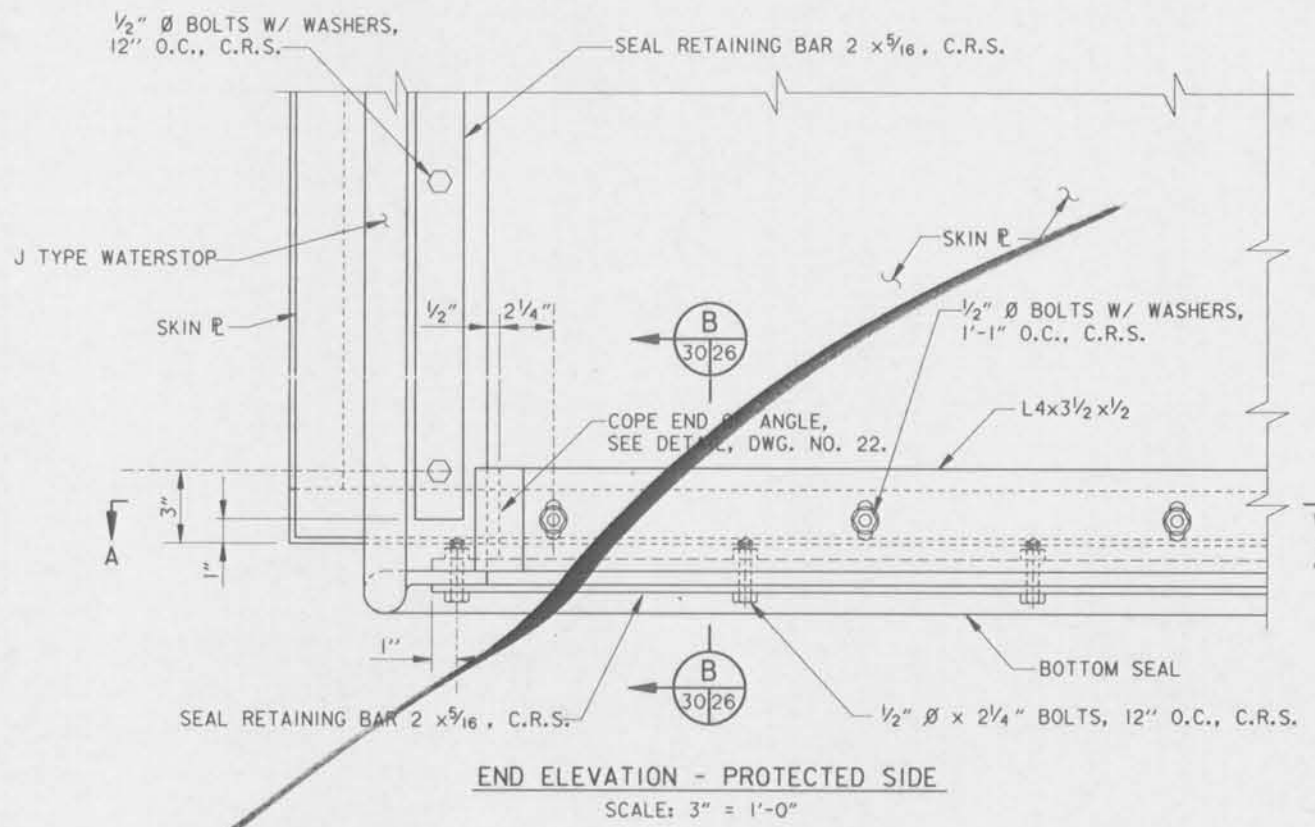
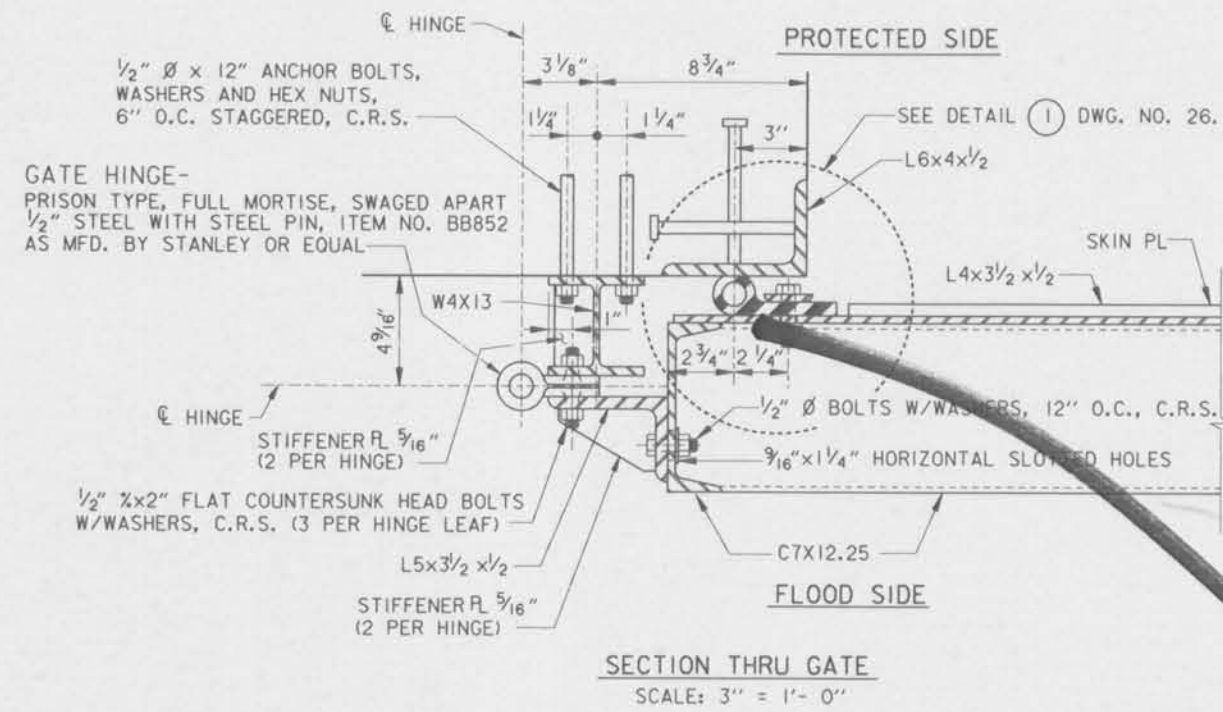
REVISIONS	
△	REVISED DWG. REFERENCE AND BOLT SPACING. MODIFICATION NO. 1.
△	REVISED DETAIL B. AMENDMENT NO. 1.

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA	
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA	
VETERANS BLVD. BRIDGES FLOODGATE NEAR 1-10 - 3	

DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM9.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 30 OF 79



Safety is a Part
of Your Contract



NOTES:

FOR OTHER NOTES PERTAINING TO THIS SHEET, SEE DWG. NO 28.

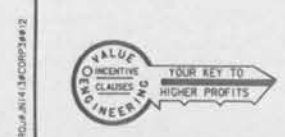
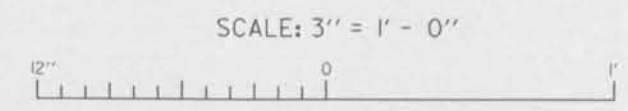
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.

ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.

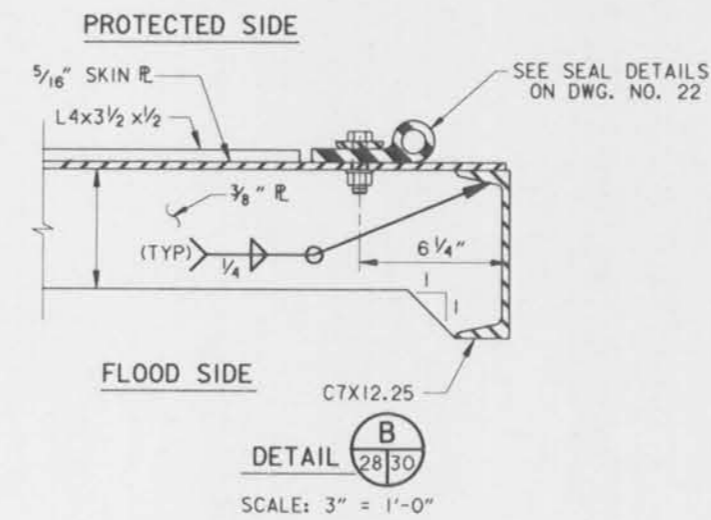
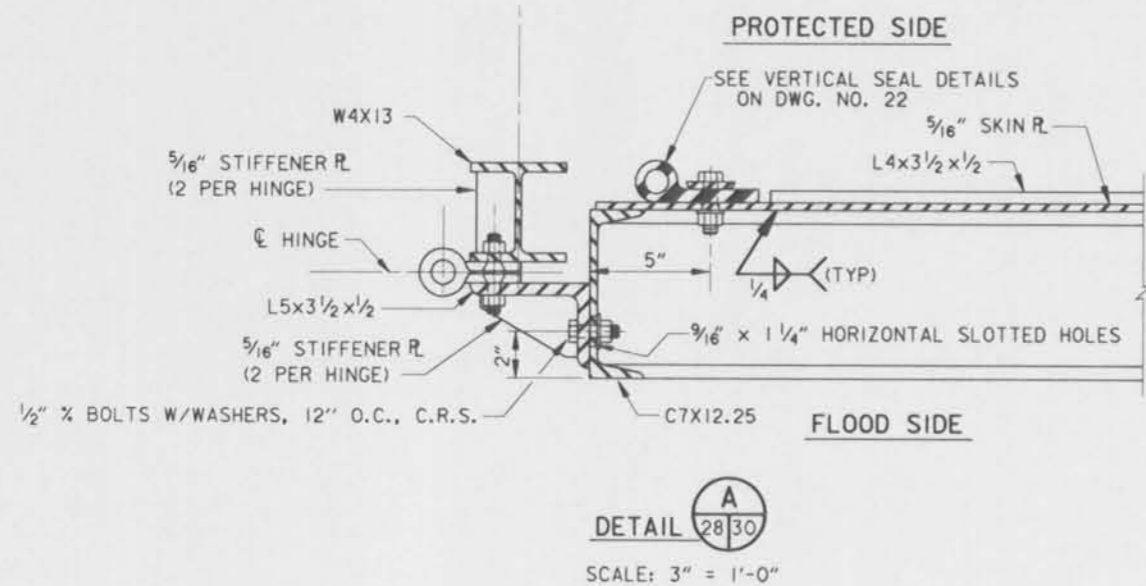
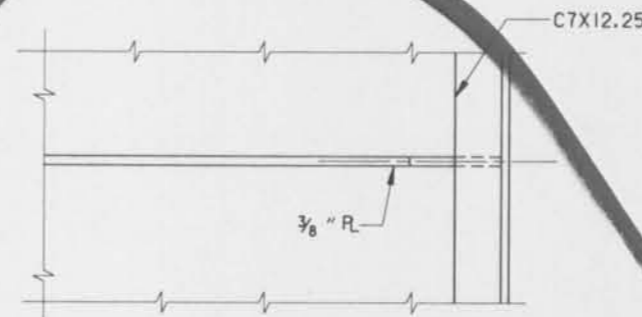
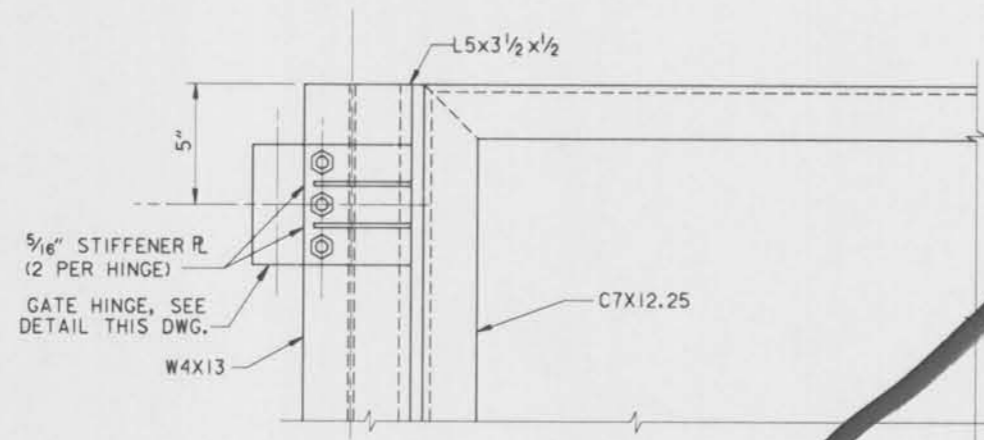
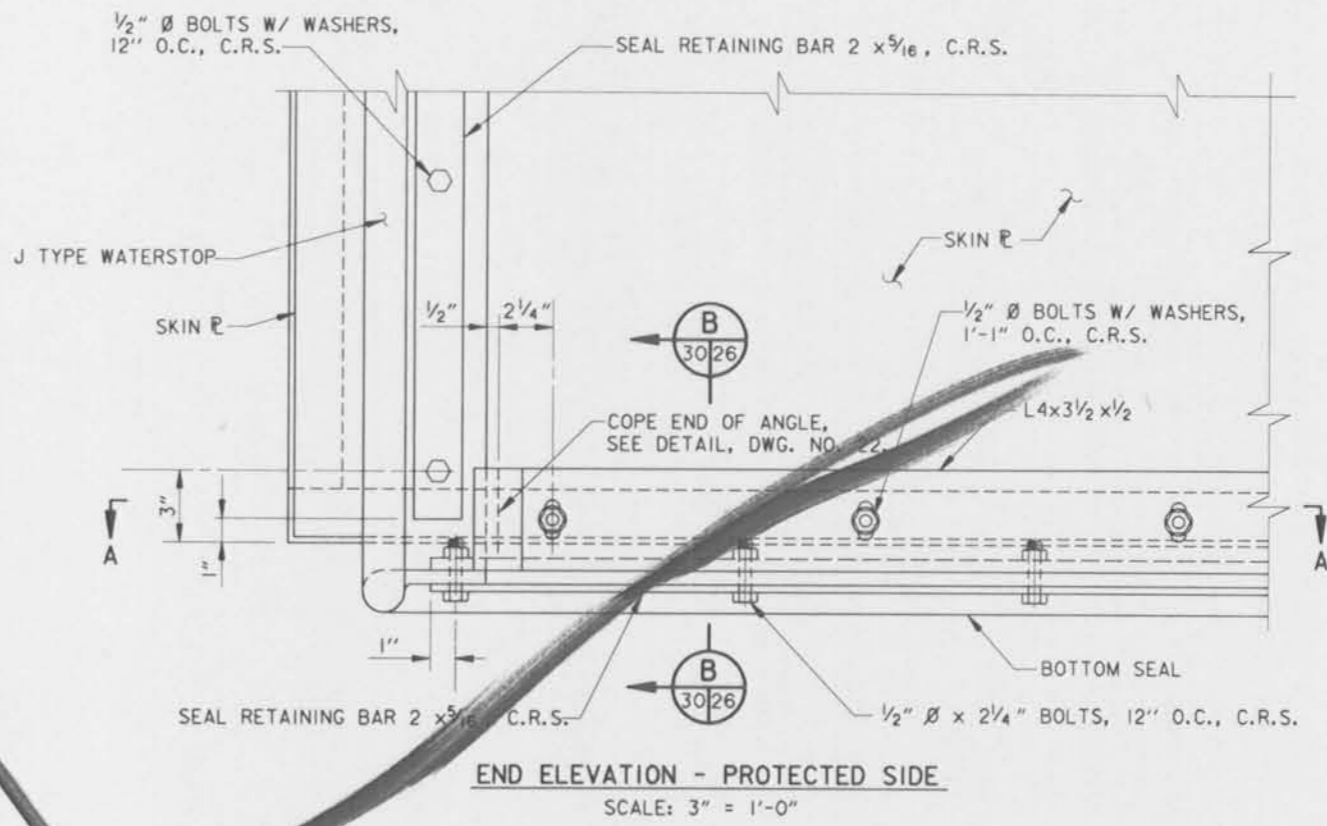
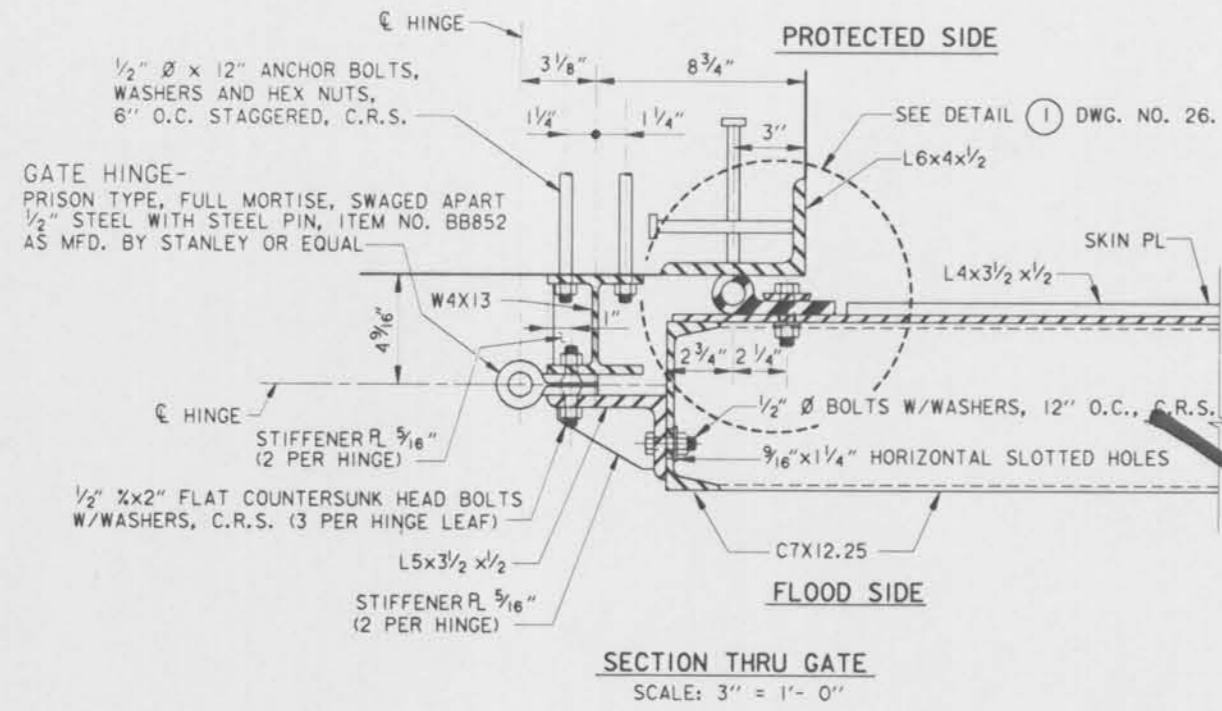
SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.

AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.

SYMBOL	DESCRIPTION	DATE	APPROVED
△	REVISED DETAIL B, AMENDMENT NO. 1.	7-14-95	M.D.
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA MODJESKI & MASTERS, INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES FLOODGATE NEAR 1-10 - 3			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM9.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 30 OF 79



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NOTES:

FOR OTHER NOTES PERTAINING TO THIS SHEET, SEE DWG. NO. 28.

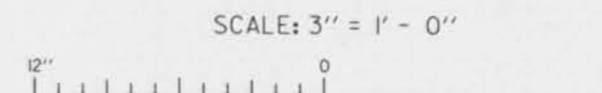
ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.

ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.

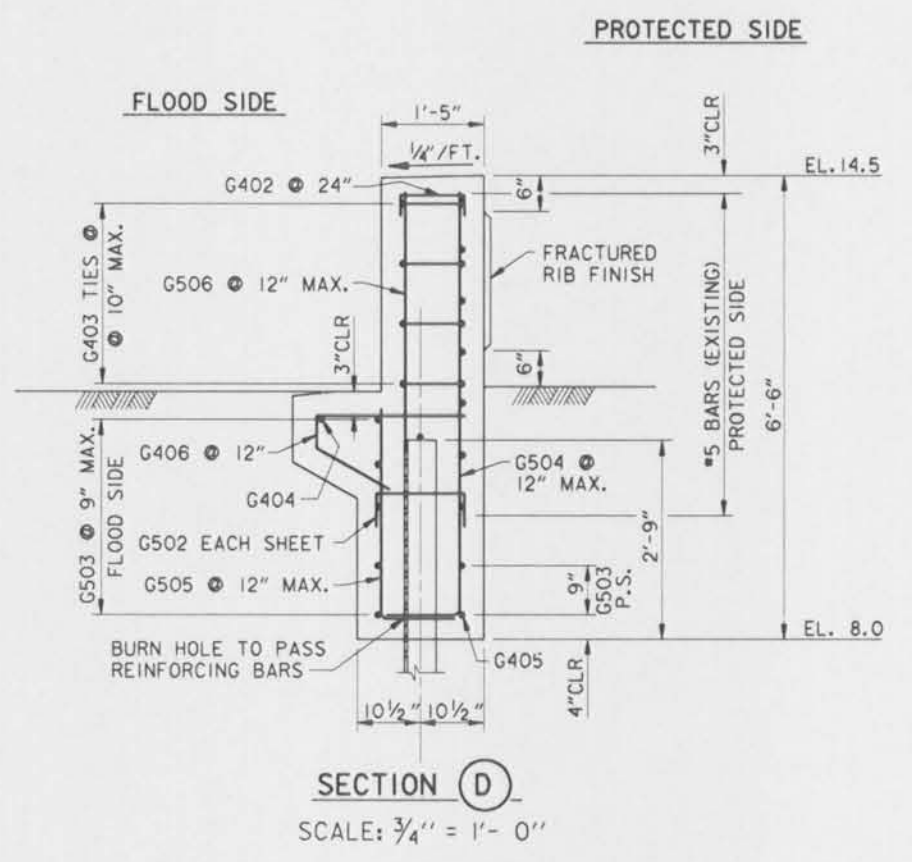
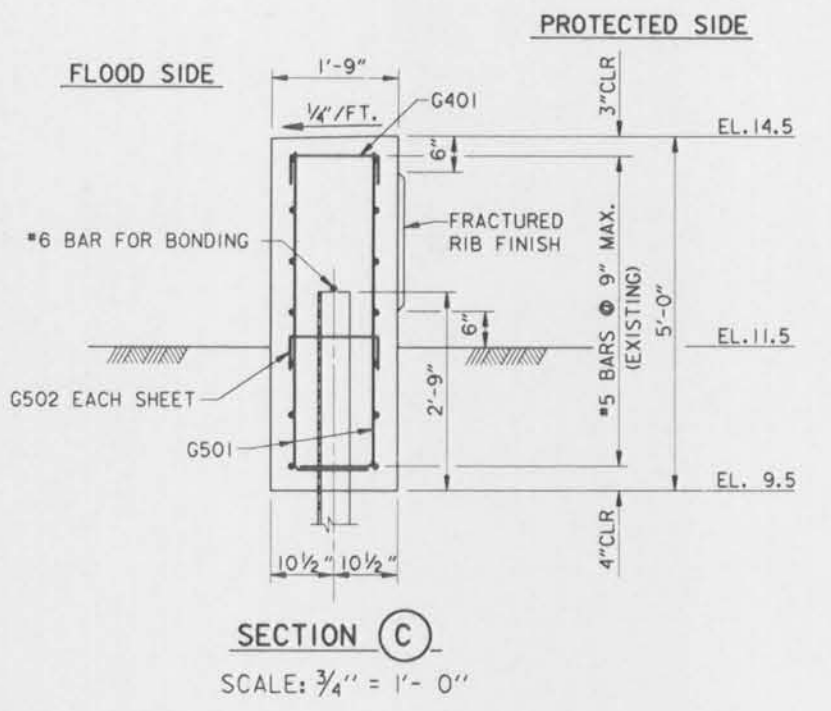
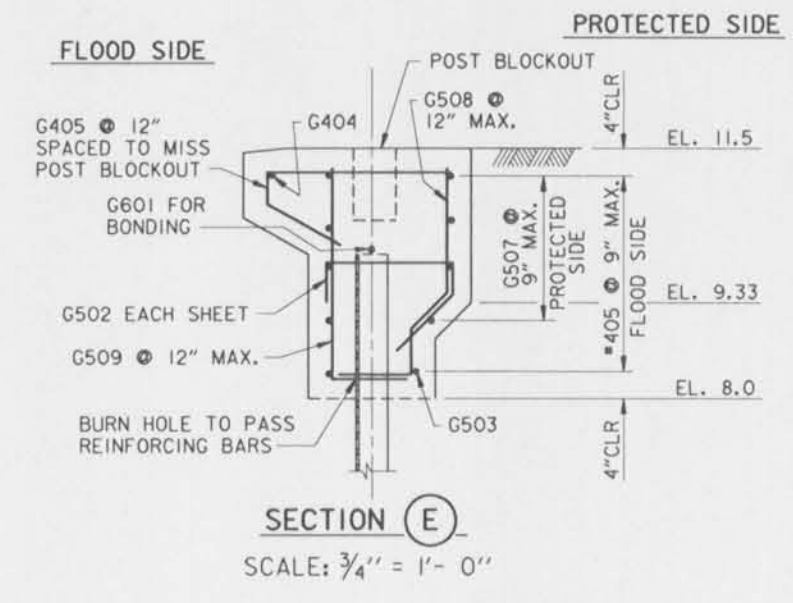
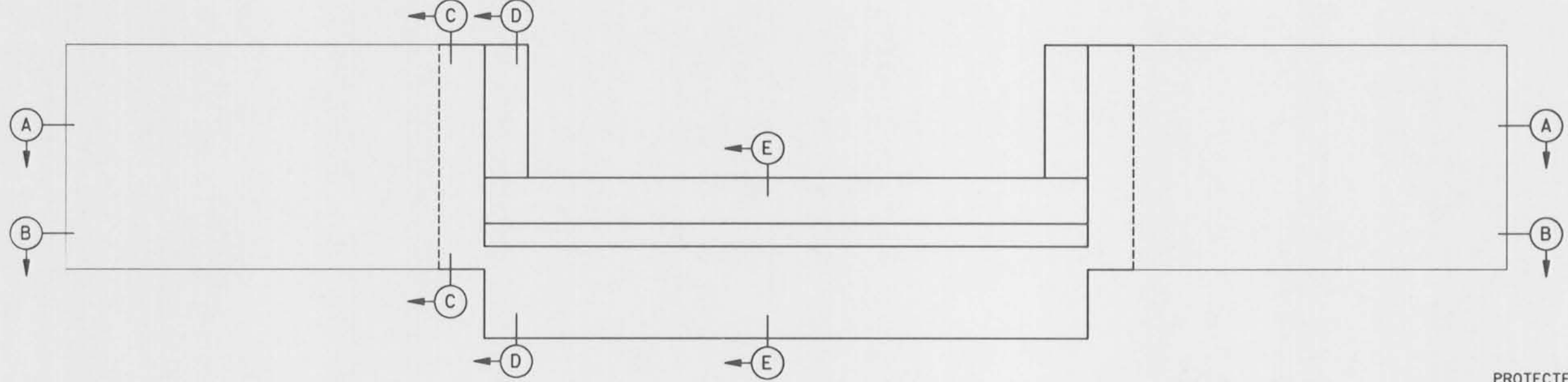
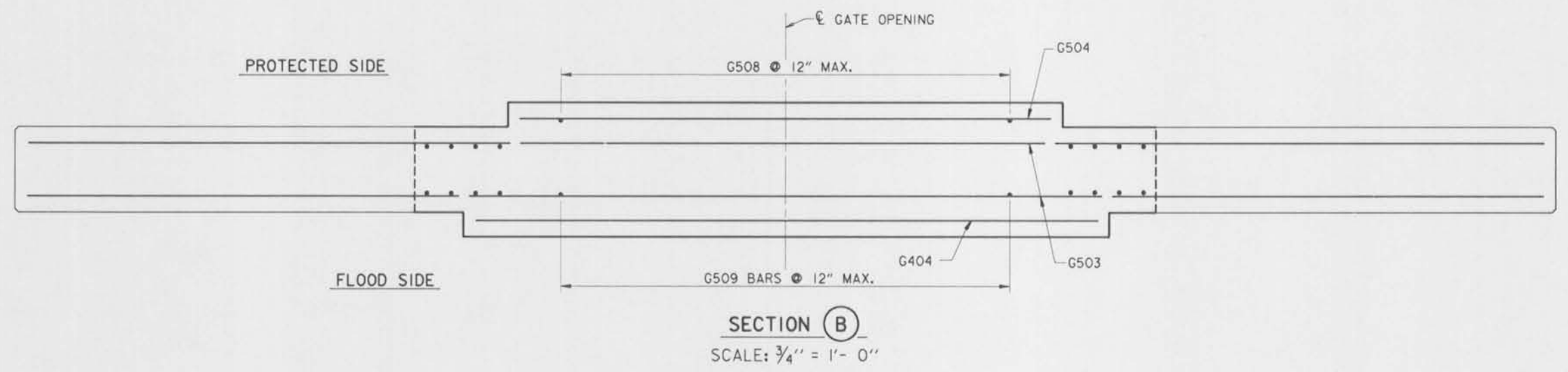
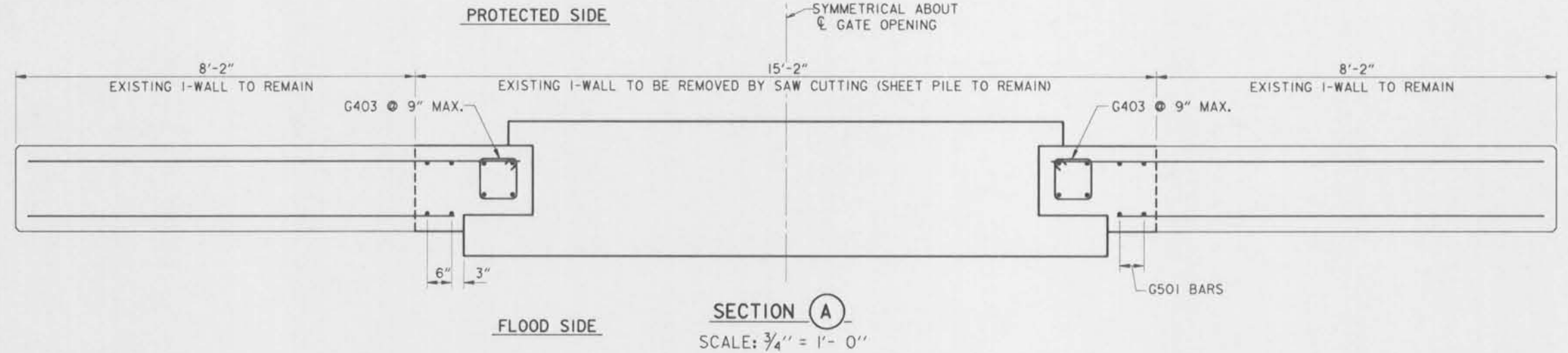
SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.

AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.

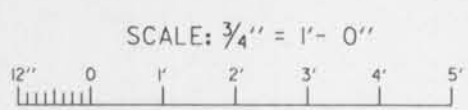
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESI & MASTERS INC. NEW ORLEANS, LOUISIANA		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODGATE NEAR I-10 - 3			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 4	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.S.	CADD FILE: MM9.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 30 OF 79	



Safety is a Part of Your Contract



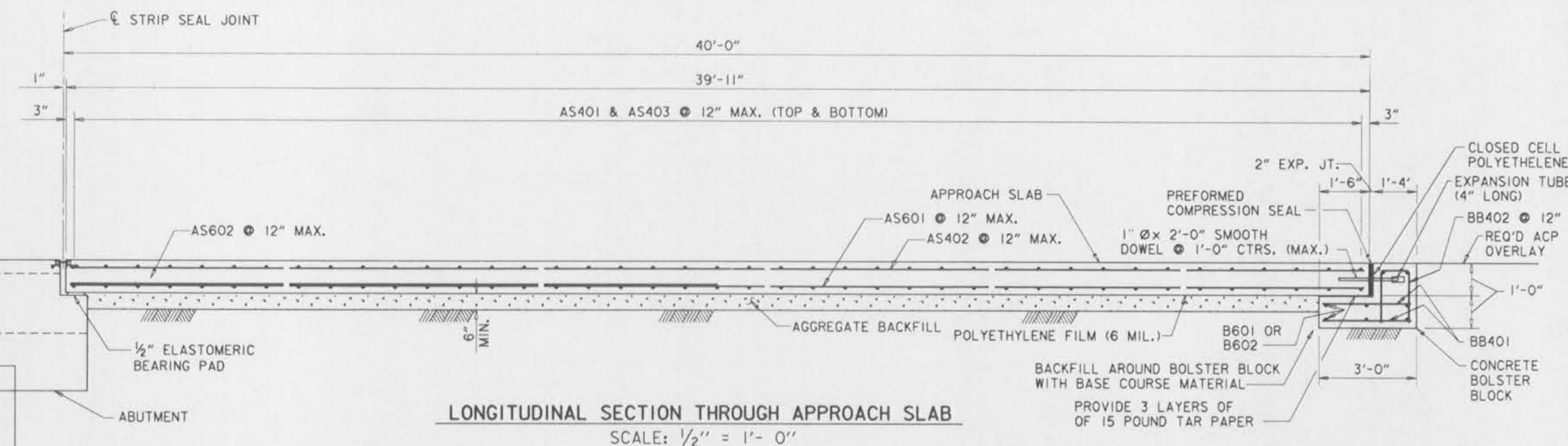
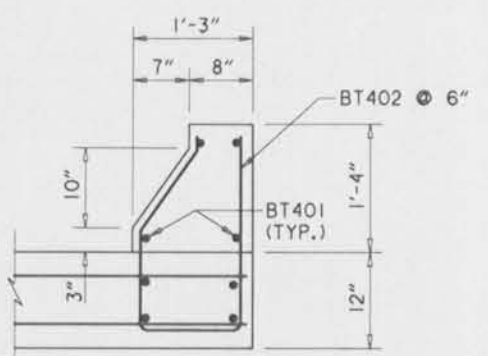
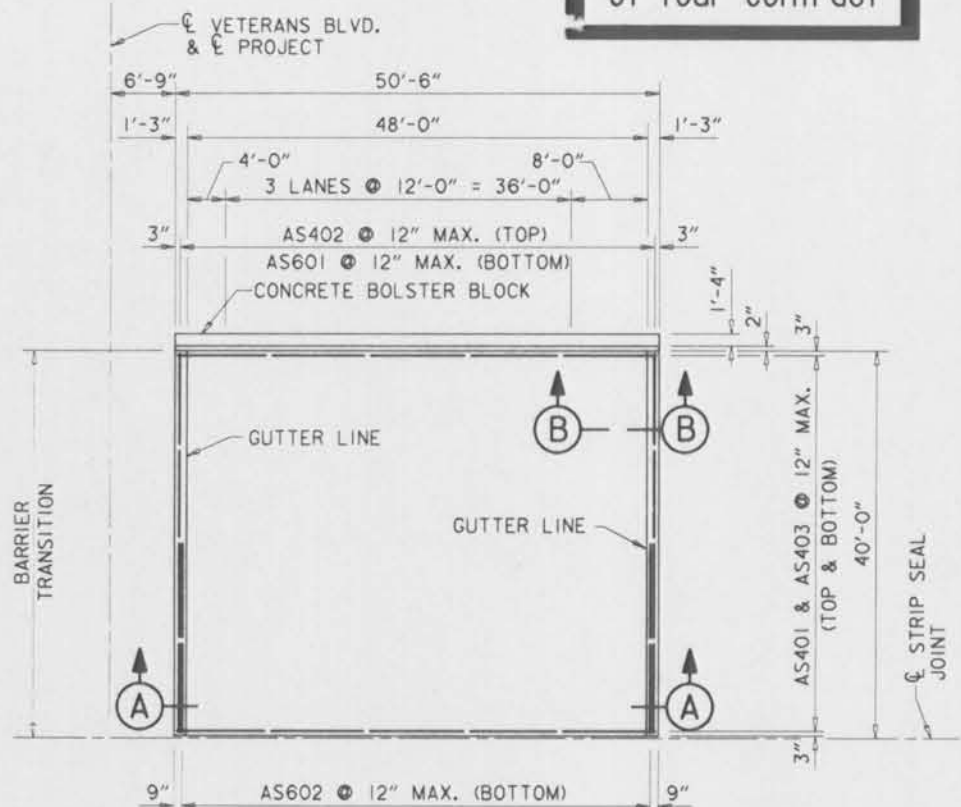
NOTE:
FOR NOTES PERTAINING TO THIS SHEET, SEE
DWG. NO. 28.



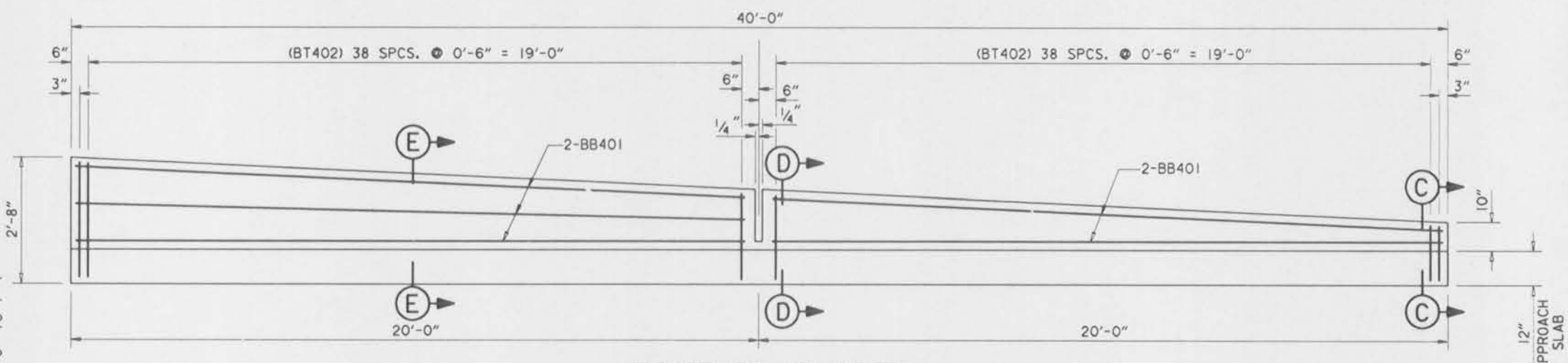
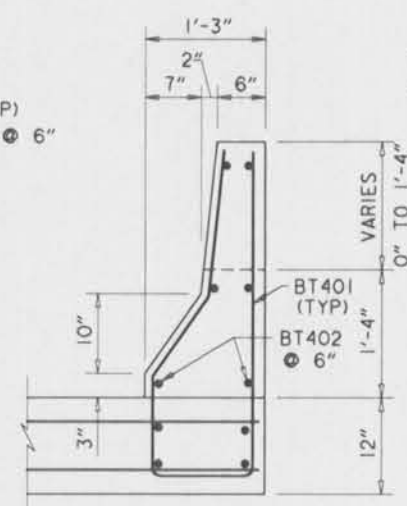
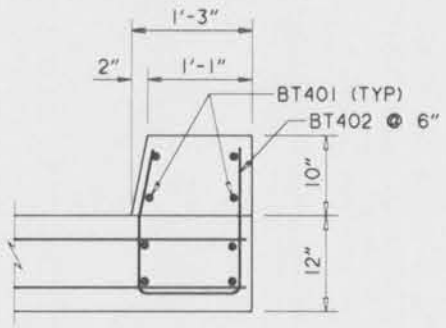
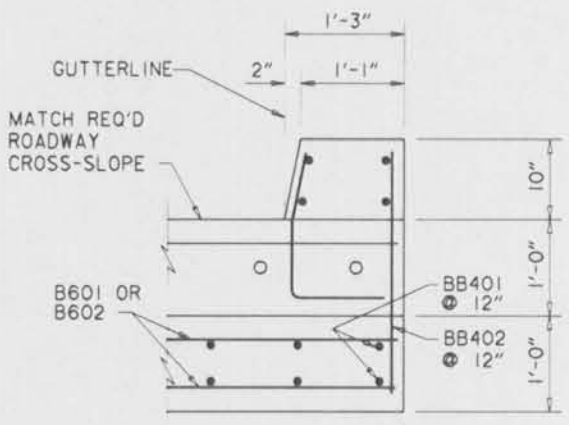
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
WODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES FLOODGATE NEAR I-10 - 4			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 16	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM10.DGN	FILE NO. H-4-40359	
CHECKED BY: N.S.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 31 OF 79



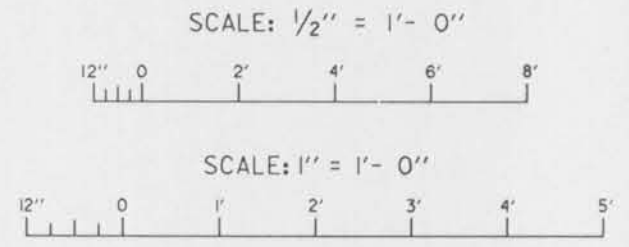
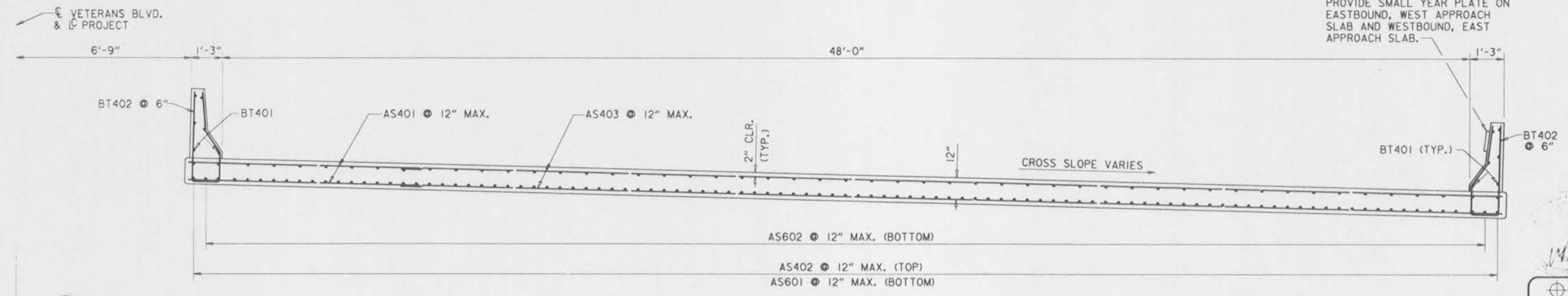
Safety is a Part of Your Contract



NOTE: AGGREGATE BACKFILL (WASHED GRAVEL) LIMITS TO BE THE OUTER EDGES OF THE APPROACH SLAB. POLYETHYLENE FILM (6 MIL. THICKNESS) TO BE INSTALLED BETWEEN THE AGGREGATE BACKFILL AND THE CONCRETE APPROACH SLAB FOR THE ENTIRE LIMITS OF THE AGGREGATE BACKFILL. AGGREGATE BACKFILL TO BE UNIFORMLY COMPACTED AS DIRECTED BY THE CONTRACTING OFFICER. AGGREGATE BACKFILL AND POLYETHYLENE FILM TO BE IN THE PRICE BID FOR "CLASS A CONCRETE."



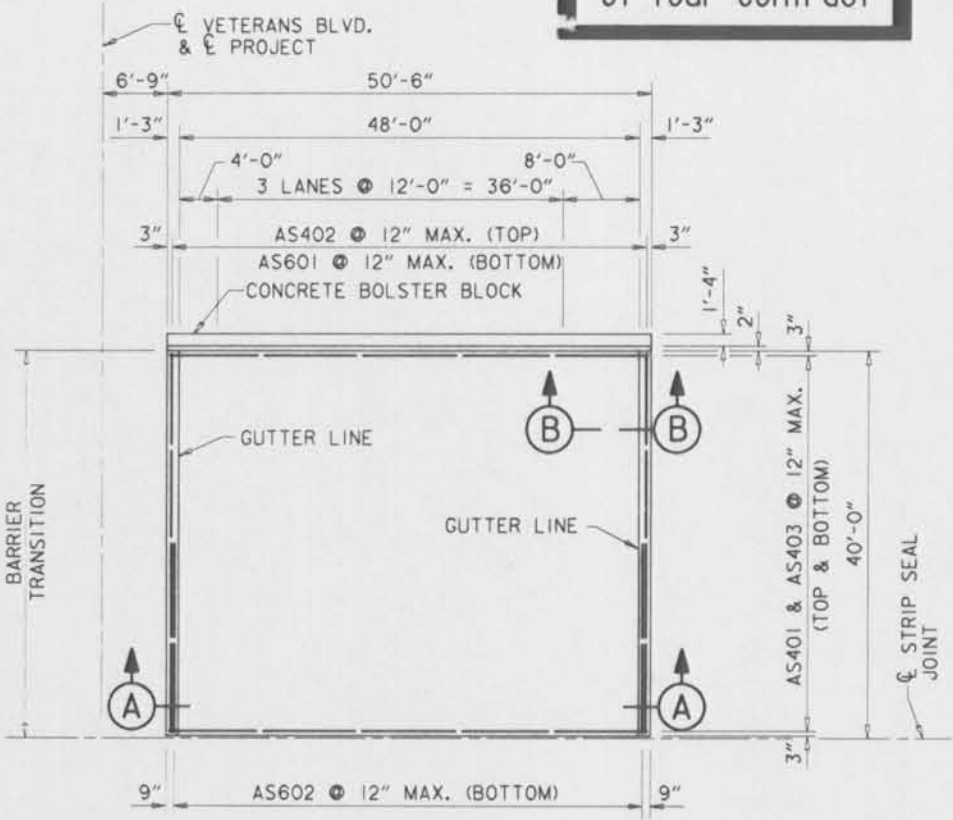
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR TYPICAL SUPERSTRUCTURE SECTIONS, SEE DWG. NO. 34.
FOR STRUCTURE PLAN AND ELEVATION, SEE DWG. NO. 14.
FOR YEAR PLATE DETAILS, SEE DWG. NO. 77.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES APPROACH SLAB			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 24	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MMS9.DGN	FILE NO: H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 32 OF 79	



Safety is a Part of Your Contract

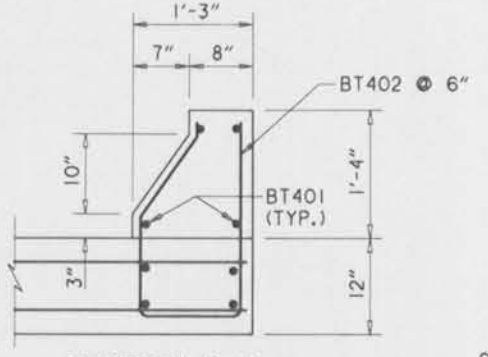


APPROACH SLAB PLAN

SCALE: 1" = 10'

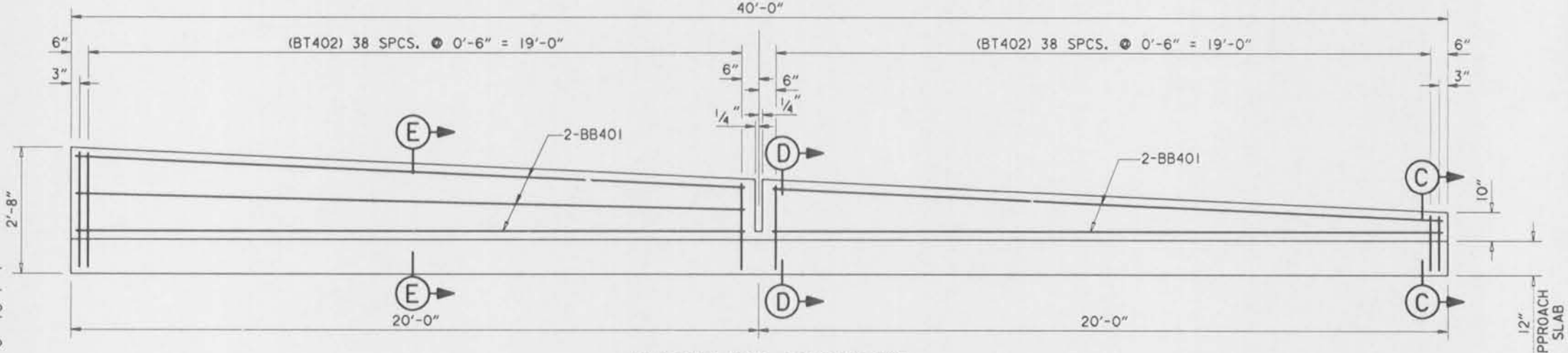


NOTE: WESTBOUND, WEST APPROACH SLAB SHOWN, OTHERS SIMILAR.



SECTION D-D

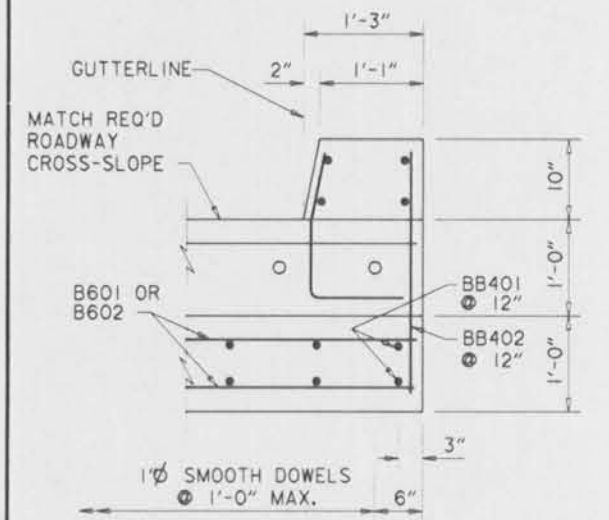
SCALE: 1" = 1'-0"



LONGITUDINAL SECTION THROUGH APPROACH SLAB

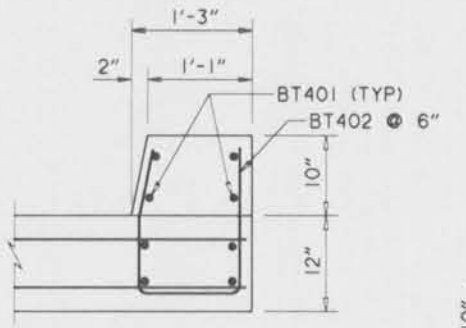
SCALE: 1/2" = 1'-0"

NOTE: AGGREGATE BACKFILL (WASHED GRAVEL) LIMITS TO BE THE OUTER EDGES OF THE APPROACH SLAB. POLYETHYLENE FILM (6 MIL. THICKNESS) TO BE INSTALLED BETWEEN THE AGGREGATE BACKFILL AND THE CONCRETE APPROACH SLAB FOR THE ENTIRE LIMITS OF THE AGGREGATE BACKFILL. AGGREGATE BACKFILL TO BE UNIFORMLY COMPACTED AS DIRECTED BY THE CONTRACTING OFFICER. AGGREGATE BACKFILL AND POLYETHYLENE FILM TO BE IN THE PRICE BID FOR "CLASS A CONCRETE."



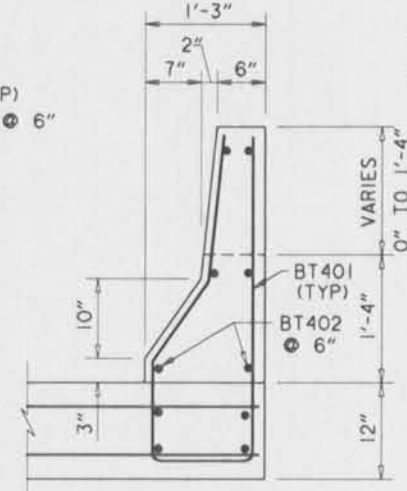
SECTION B-B

SCALE: 1" = 1'-0"



SECTION C-C

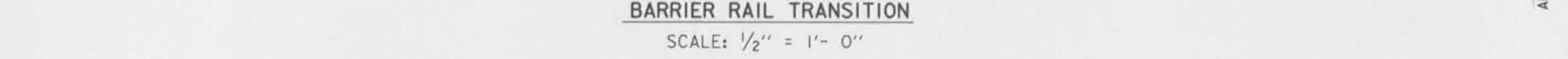
SCALE: 1" = 1'-0"



SECTION E-E

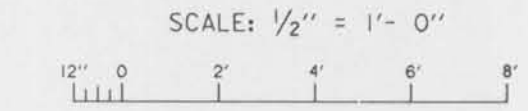
SCALE: 1" = 1'-0"

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR TYPICAL SUPERSTRUCTURE SECTIONS, SEE DWG. NO. 34.
FOR STRUCTURE PLAN AND ELEVATION, SEE DWG. NO. 14.
FOR YEAR PLATE DETAILS, SEE DWG. NO. 77.

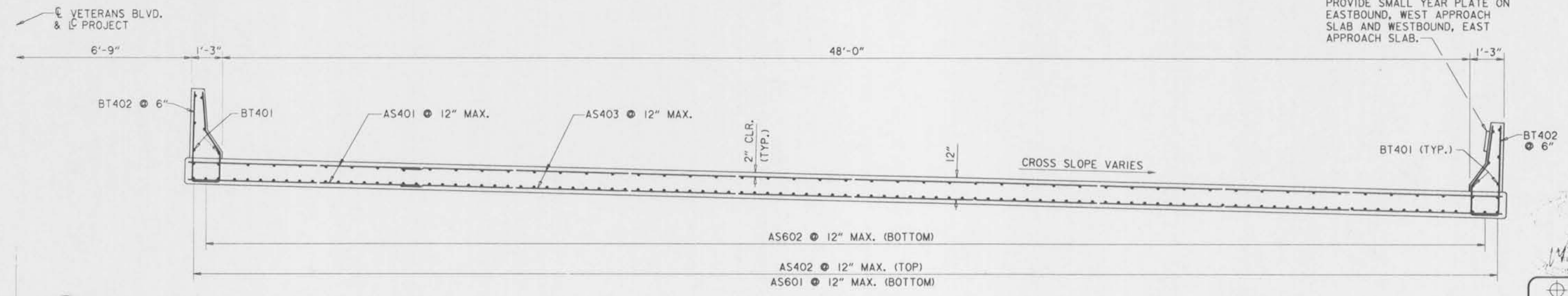


BARRIER RAIL TRANSITION

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



SCALE: 1" = 1'-0"



SECTION A-A

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



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES APPROACH SLAB			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 24	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MMS9.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 32 OF 79	

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FRAMING PLAN

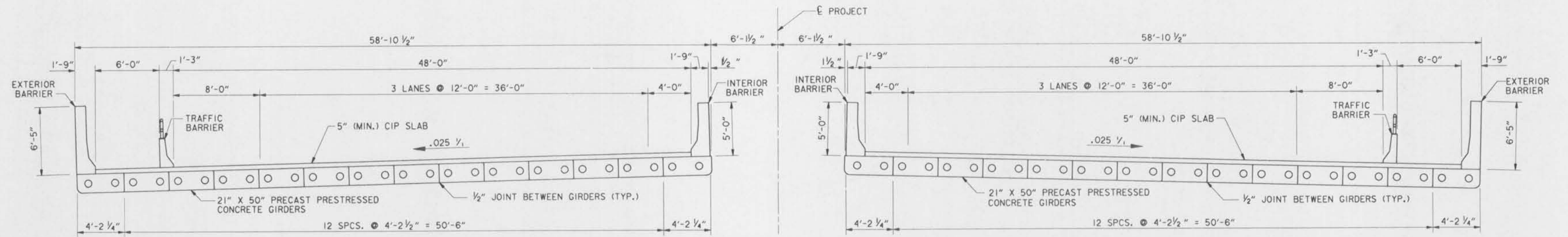
SCALE: 1" = 10'



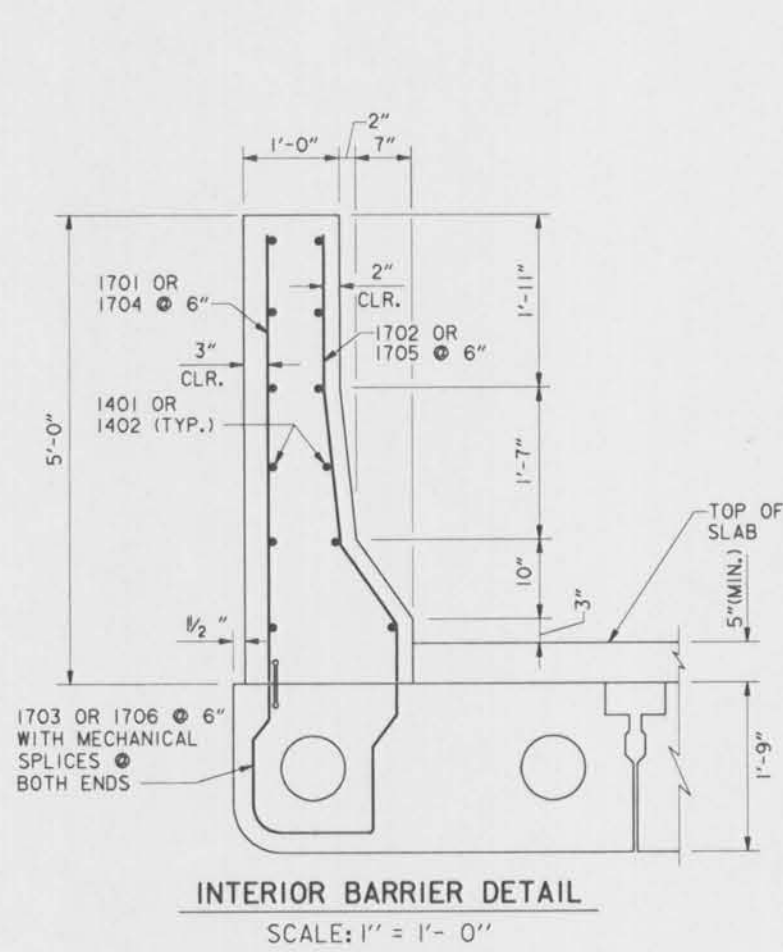
NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR STRUCTURE PLAN AND ELEVATION,
 SEE DWG. NO. 14.
 FOR TYPICAL SUPERSTRUCTURE SECTIONS,
 SEE DWG. NO. 34.
 FOR GIRDER DETAILS, SEE DWG. NOS. 35-36.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA		BOARD OF LEVEE COMMISSIONERS NEW ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES FRAMING PLAN			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 1/20	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MM40.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 33 OF 79
DESIGN ENGINEER			

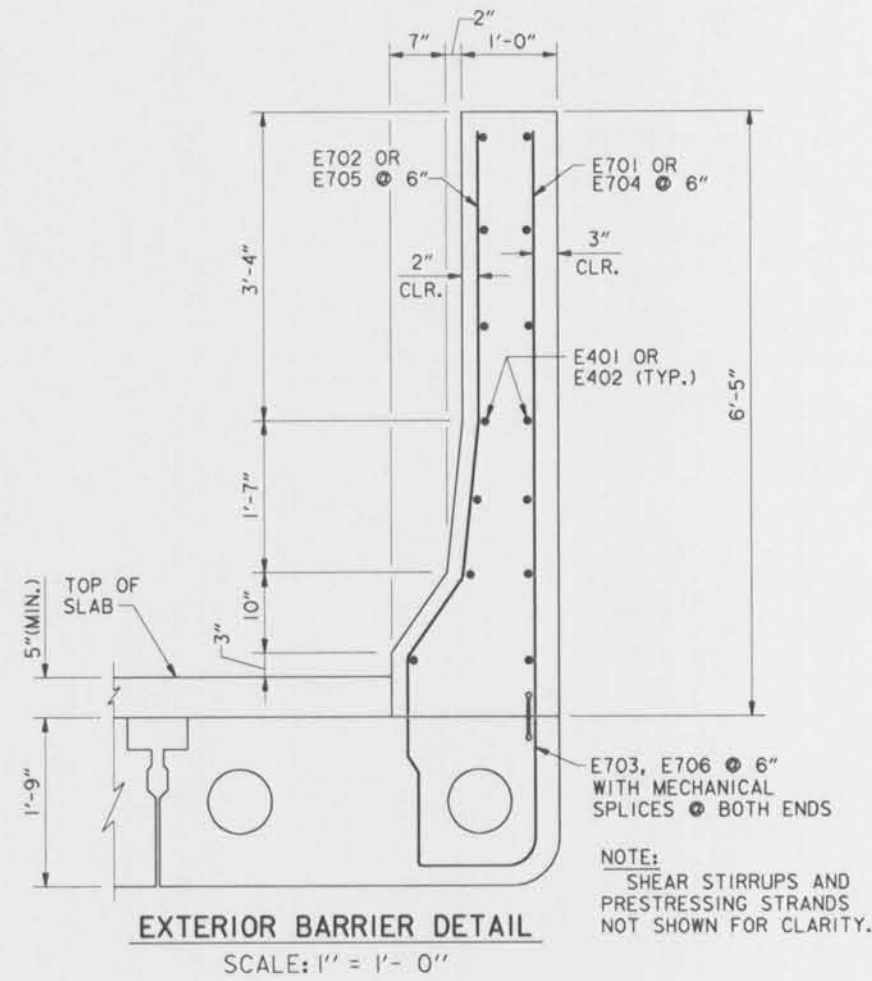




TYPICAL SUPERSTRUCTURE SECTION
SCALE: 1/4" = 1'- 0"

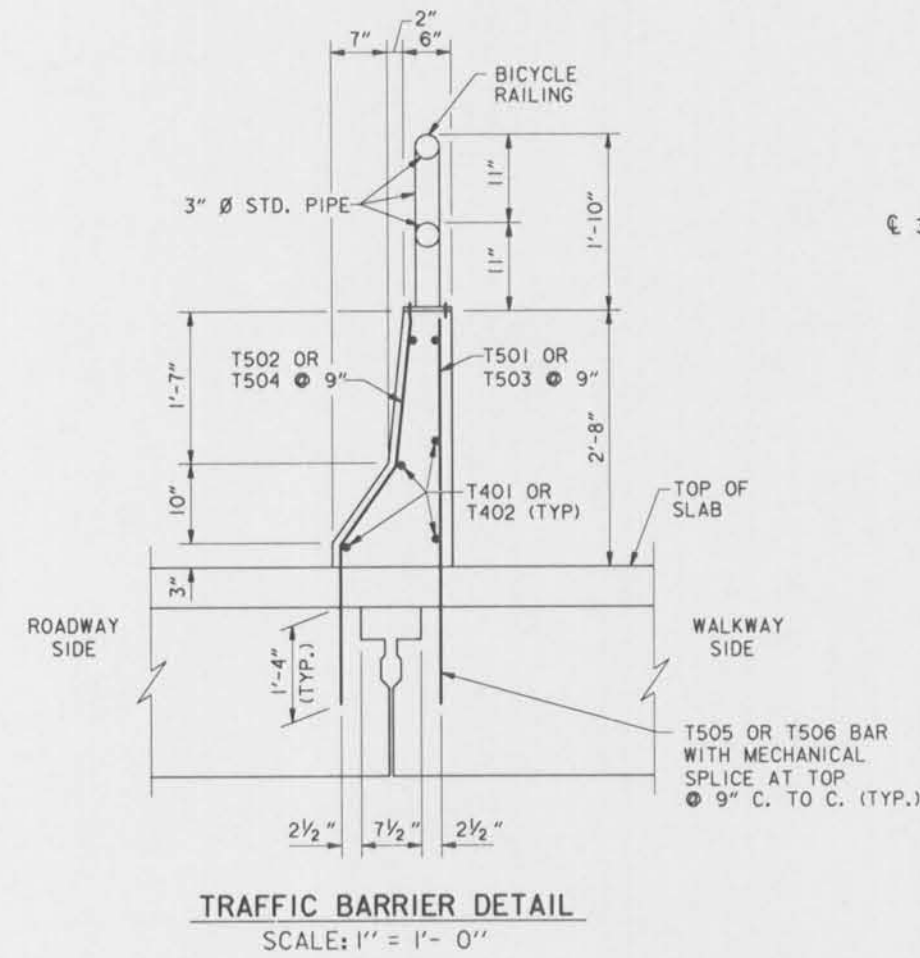


INTERIOR BARRIER DETAIL
SCALE: 1" = 1'- 0"

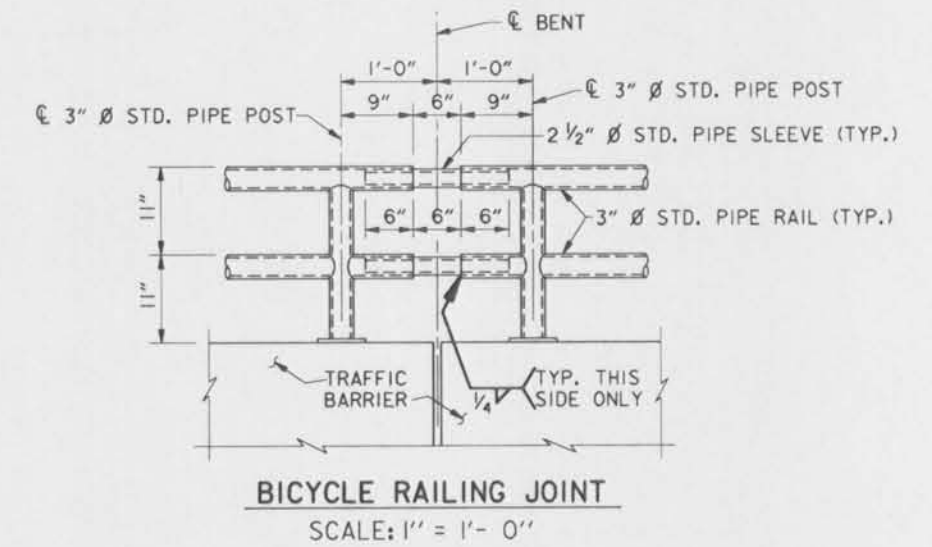


EXTERIOR BARRIER DETAIL
SCALE: 1" = 1'- 0"

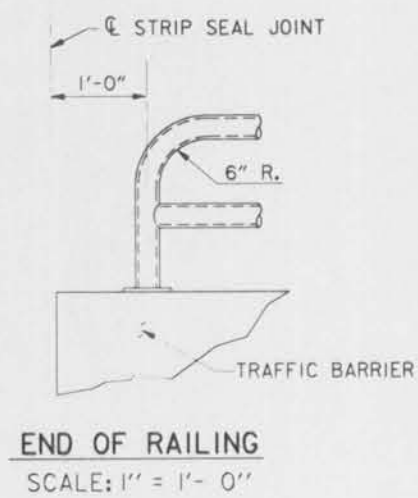
NOTE:
SHEAR STIRRUPS AND PRESTRESSING STRANDS NOT SHOWN FOR CLARITY.



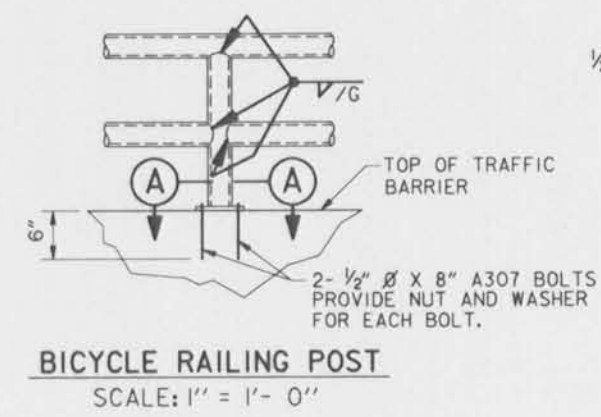
TRAFFIC BARRIER DETAIL
SCALE: 1" = 1'- 0"



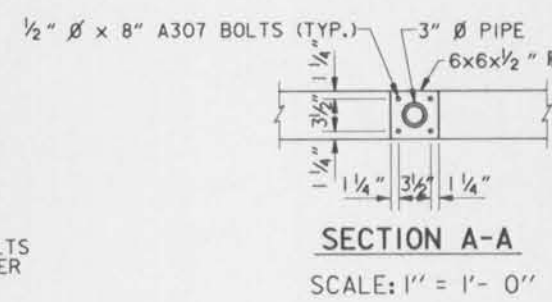
BICYCLE RAILING JOINT
SCALE: 1" = 1'- 0"



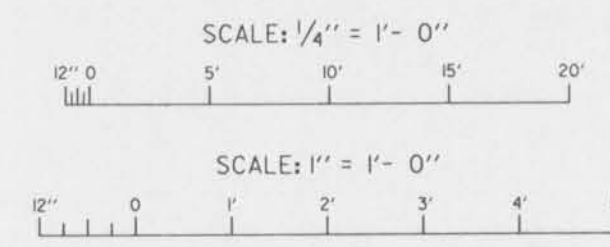
END OF RAILING
SCALE: 1" = 1'- 0"



BICYCLE RAILING POST
SCALE: 1" = 1'- 0"



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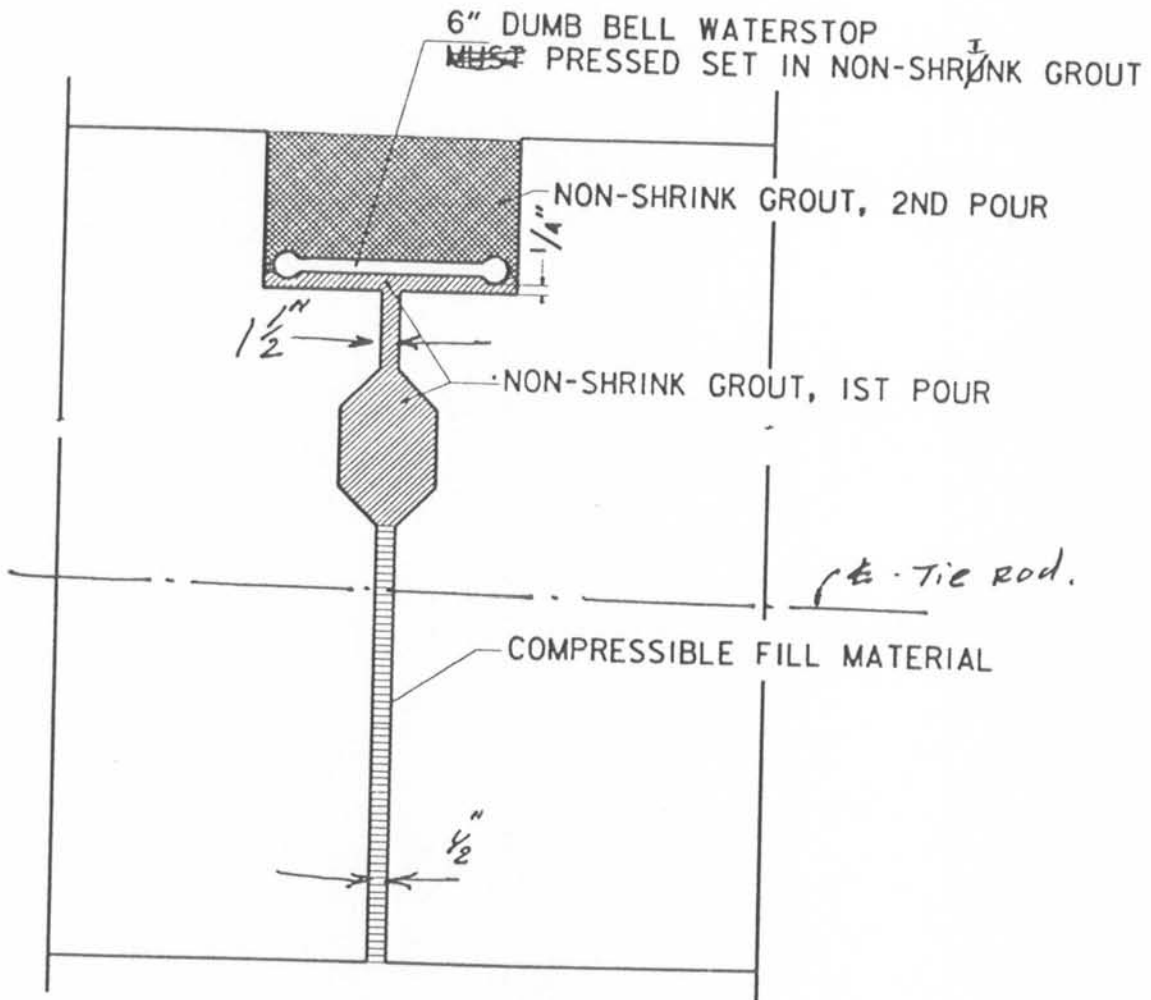
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR FRAMING PLAN, SEE DWG. NO. 33.
FOR STRUCTURE PLAN AND ELEVATION, SEE DWG. NO. 14.
FOR C.I.P. SLAB DETAILS AND BICYCLE RAILING LAYOUT, SEE DWG. NO. 38.
FOR GIRDER DETAILS, SEE DWG. NOS. 35-36.
BICYCLE RAILING TO BE HOT-DIPPED GALVANIZED.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH, JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES TYPICAL SUPERSTRUCTURE SECTION			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 48	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CARD FILE: MM60.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		
SOLICITATION NO. DACW29-95-B-0055		DWC. 34 OF 79	



SKETCH

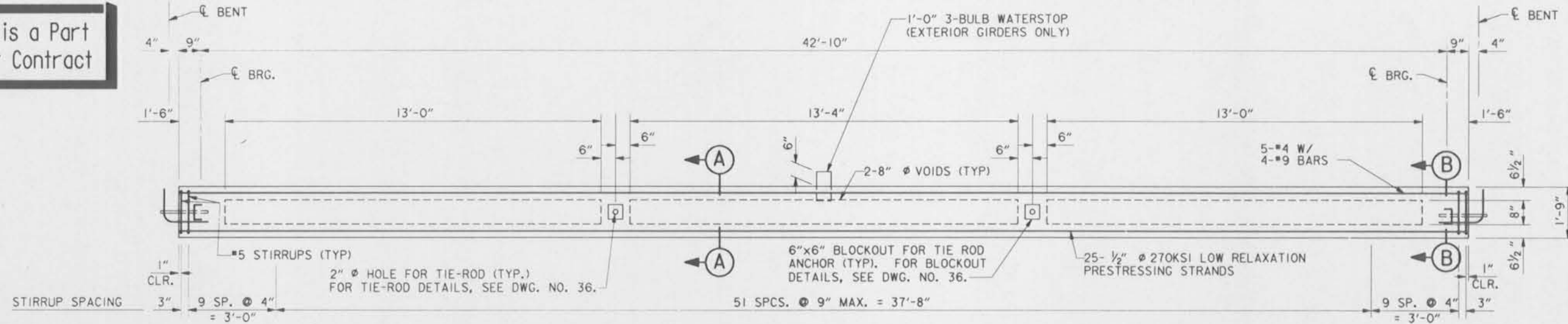
SK-95-0093-01



- Note: ① Press waterstop into 1st Pour of Non-shrink Grout before it is set. No air shall be trapped under waterstop.
- ② After 1st pour has set, fill blockout with 2nd pour of Non-shrink Grout.

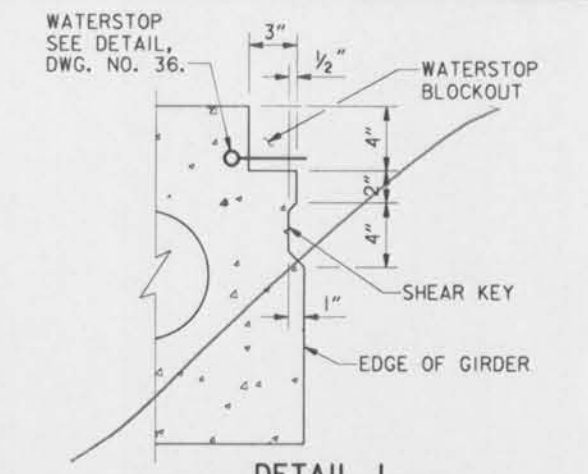
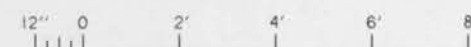
DFI SE

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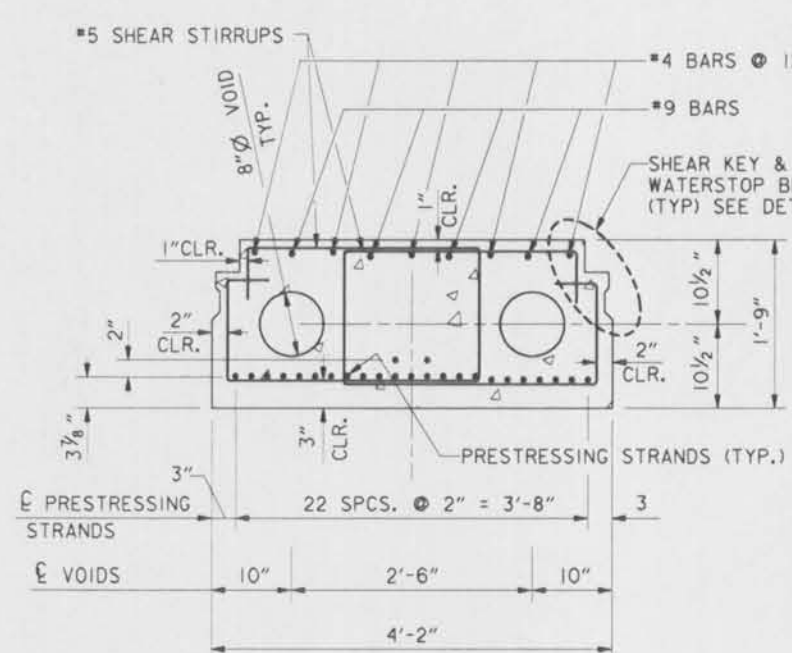
GIRDER ELEVATION

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



DETAIL 1
SHEAR KEY & WATERSTOP BLOCKOUT

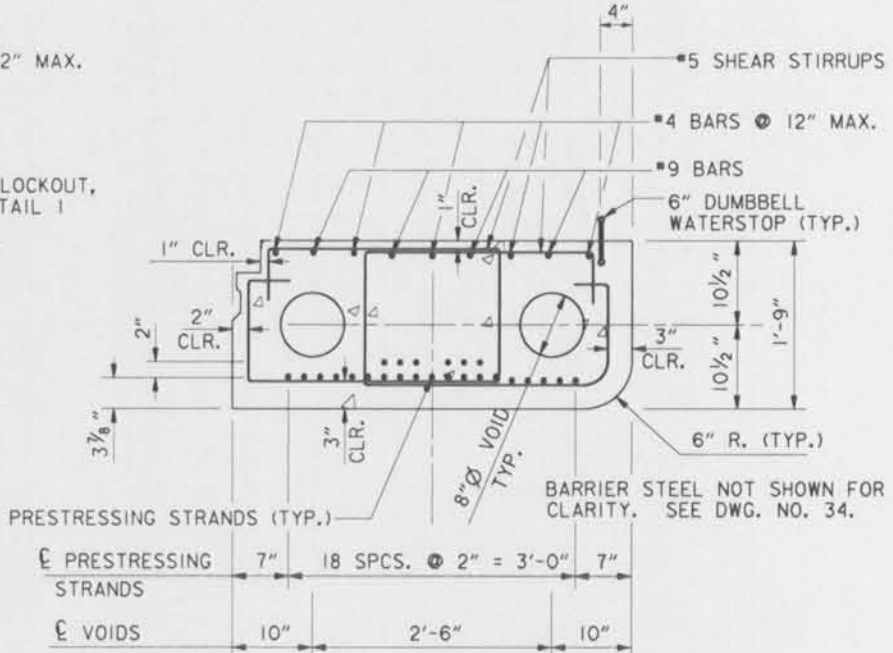
SCALE: 2" = 1'



SECTION A-A
INTERIOR GIRDER
(GIRDERS G2-G6)

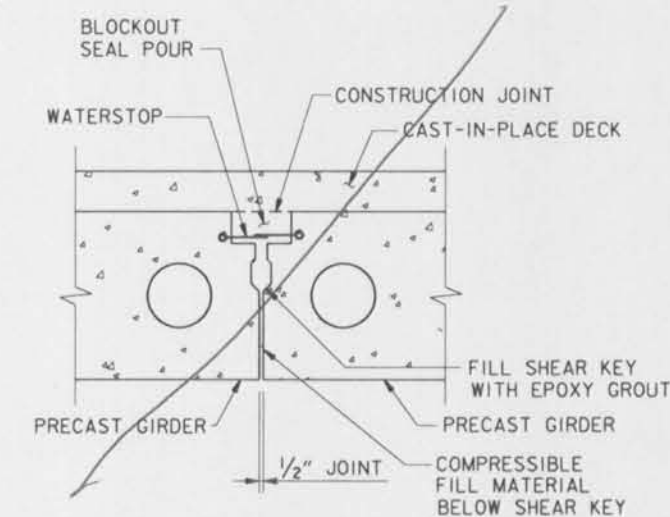
SCALE: 1" = 1'-0"

NOTE:
BARRIER STEEL NOT SHOWN FOR CLARITY. THIS APPLIES ONLY TO GIRDERS G5 AND G6.



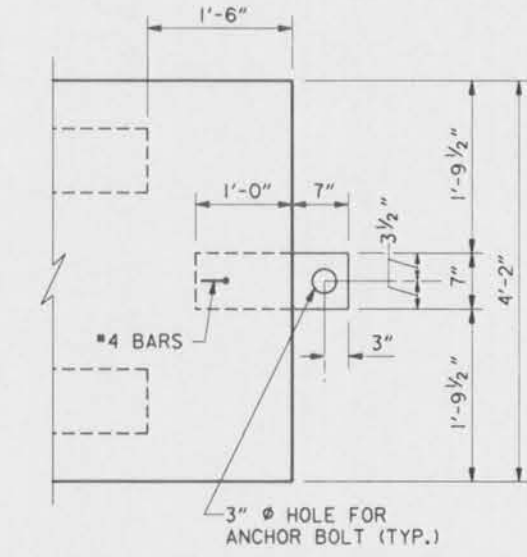
SECTION A-A
EXTERIOR GIRDER
(GIRDERS G1 & G7)

SCALE: 1" = 1'-0"



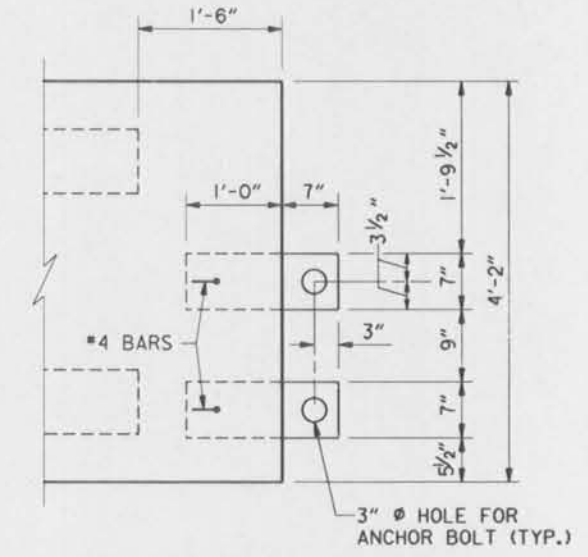
LONGITUDINAL JOINT DETAIL

SCALE: 1" = 1'-0"



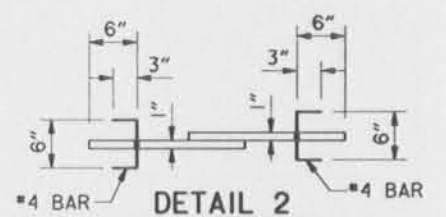
INTERIOR GIRDER ANCHOR BOLT PLATE

SCALE: 1" = 1'-0"



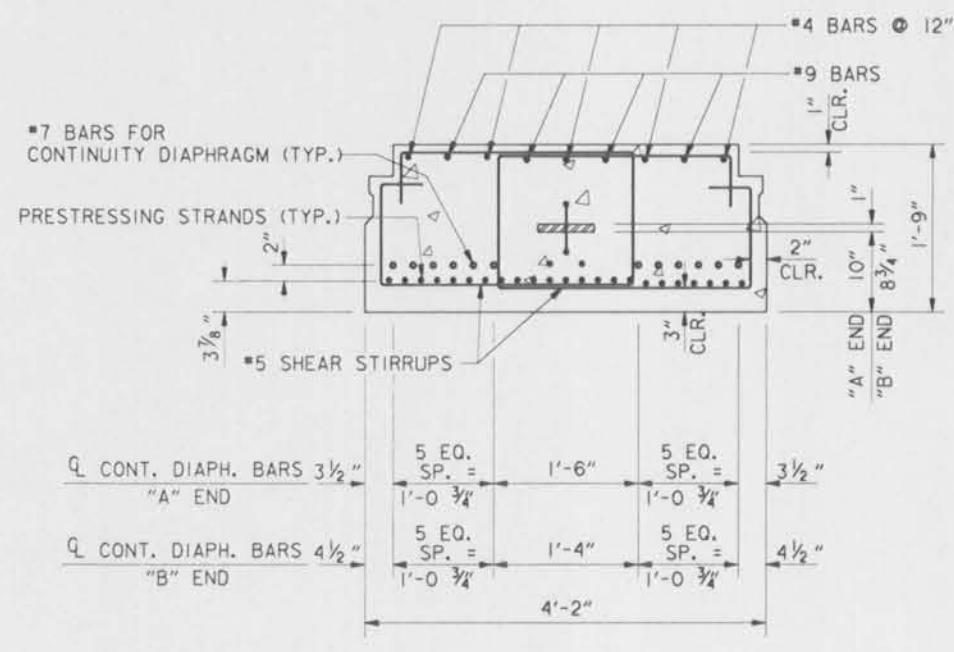
EXTERIOR GIRDER ANCHOR BOLT PLATES

SCALE: 1" = 1'-0"



DETAIL 2
ANCHOR BOLT PLATES

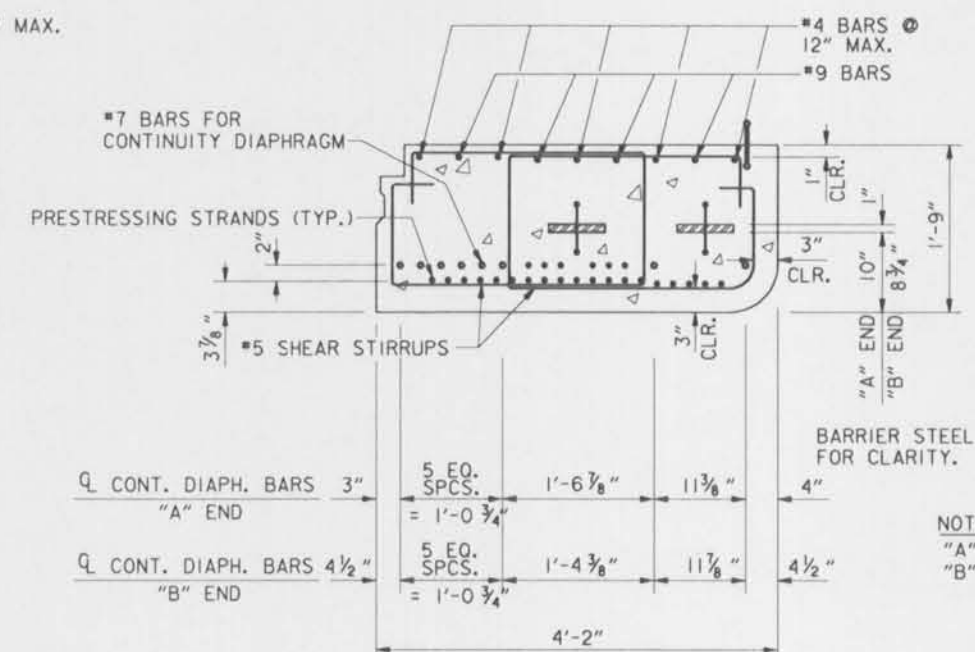
SCALE: 1" = 1'-0"



SECTION B-B
INTERIOR GIRDER
(GIRDERS G2-G6)

SCALE: 1" = 1'-0"

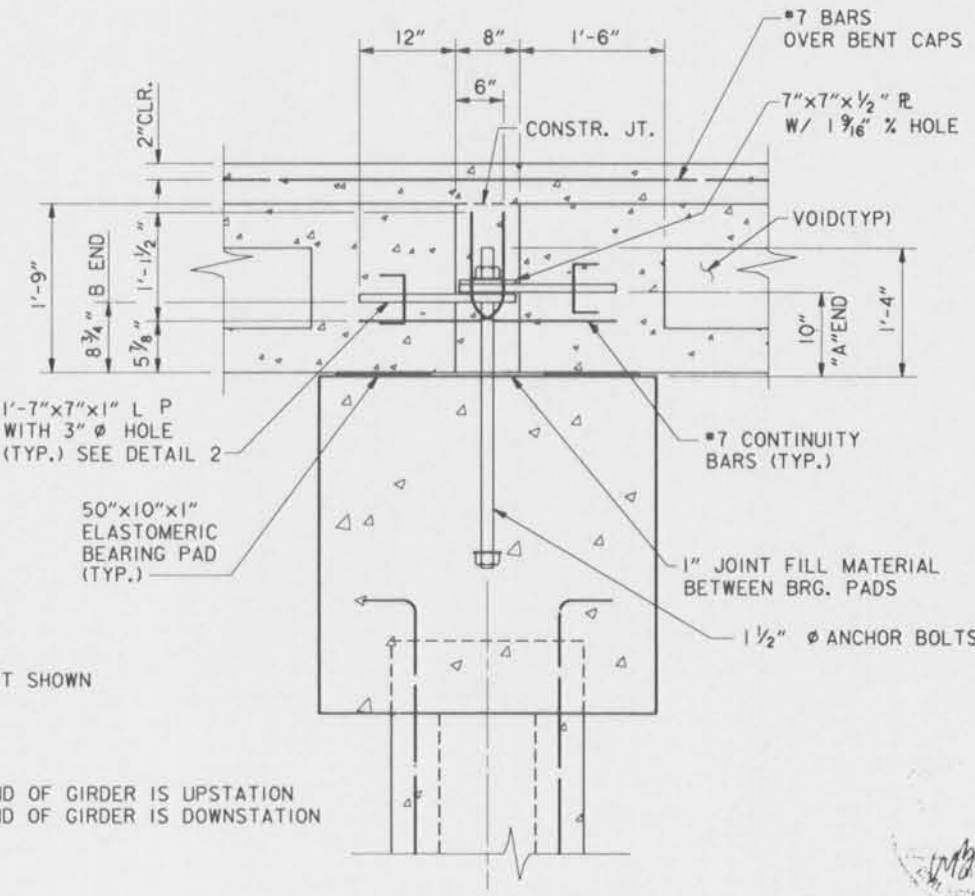
NOTE:
BARRIER STEEL NOT SHOWN FOR CLARITY. THIS APPLIES ONLY TO GIRDERS G5 AND G6.



SECTION B-B
EXTERIOR GIRDER
(GIRDERS G1 & G7)

SCALE: 1" = 1'-0"

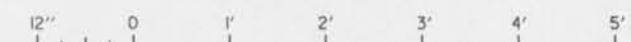
NOTE:
"A" END OF GIRDER IS UPSTATION
"B" END OF GIRDER IS DOWNSTATION



JOINT DETAILS AT BENTS

SCALE: 1" = 1'-0"

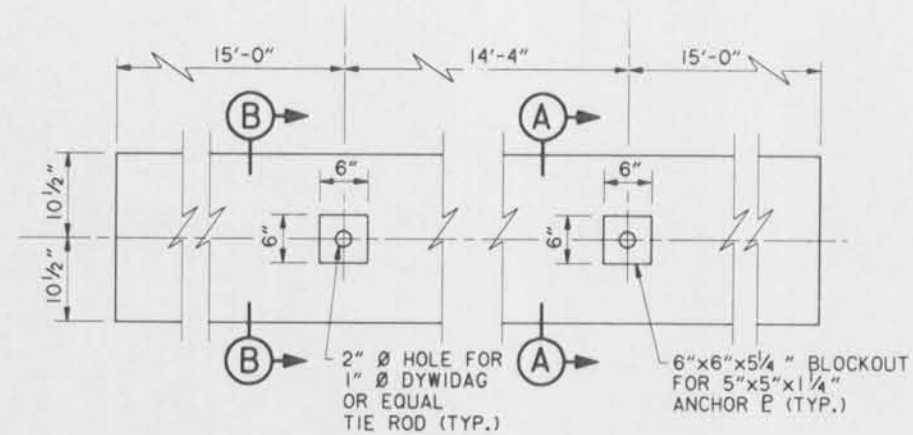
SCALE: 1" = 1'-0"



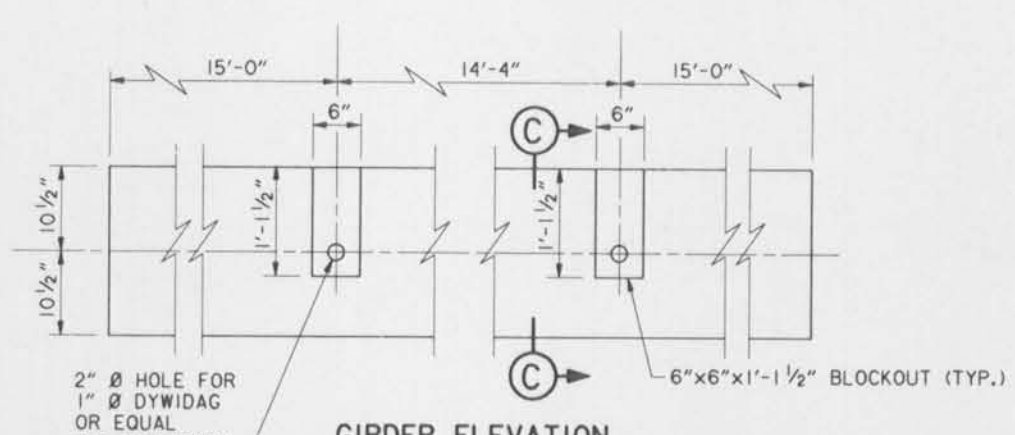
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR FRAMING PLAN, SEE DWG. NO. 33.
FOR TYPICAL SUPERSTRUCTURE SECTION, SEE DWG. NO. 34.
GIRDER INSTALLATION TEMPERATURE = 68 F.
FOR BARRIER STEEL, SEE DWG. NO. 34.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESI & MASTERS, INC.		NEW ORLEANS, LOUISIANA	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES PPC GIRDER DETAILS-I			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MM42.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 35 OF 79	

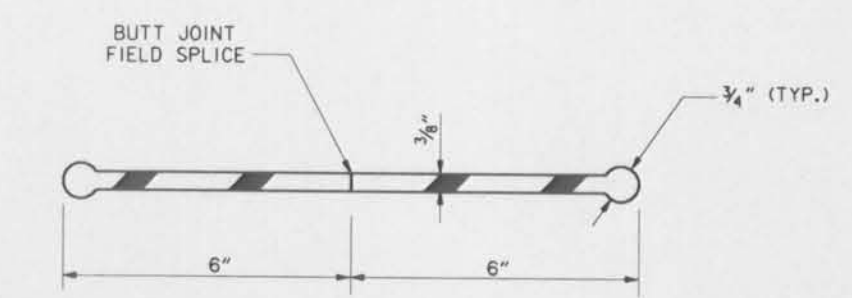




**GIRDER ELEVATION
TIE ROD BLOCKOUT DETAILS
GIRDERS G1, G4 & G7**
SCALE: 1" = 1'-0"

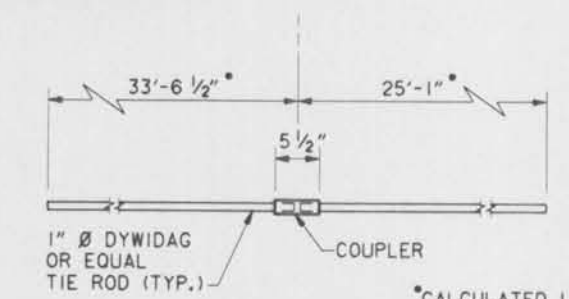


**GIRDER ELEVATION
TIE ROD BLOCKOUT DETAILS
GIRDER G3**
SCALE: 1" = 1'-0"

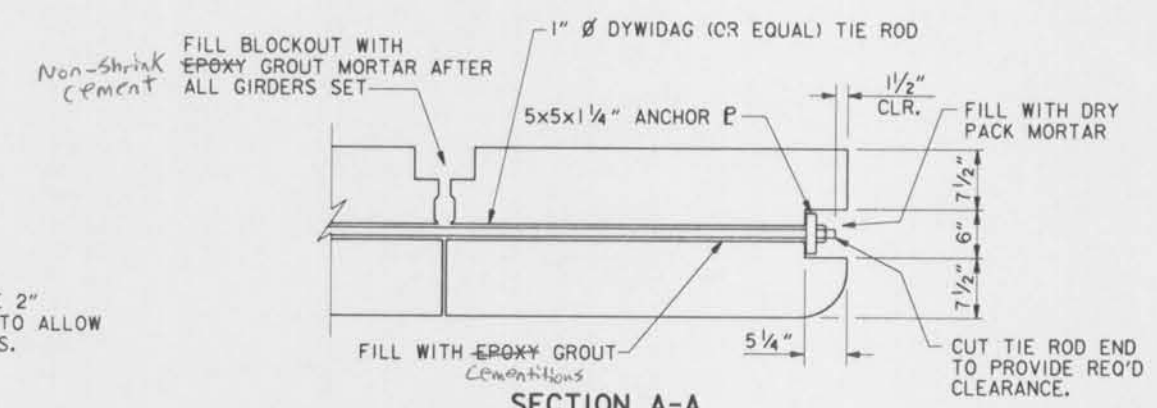


WATERSTOP DETAIL
SCALE: 6" = 1'

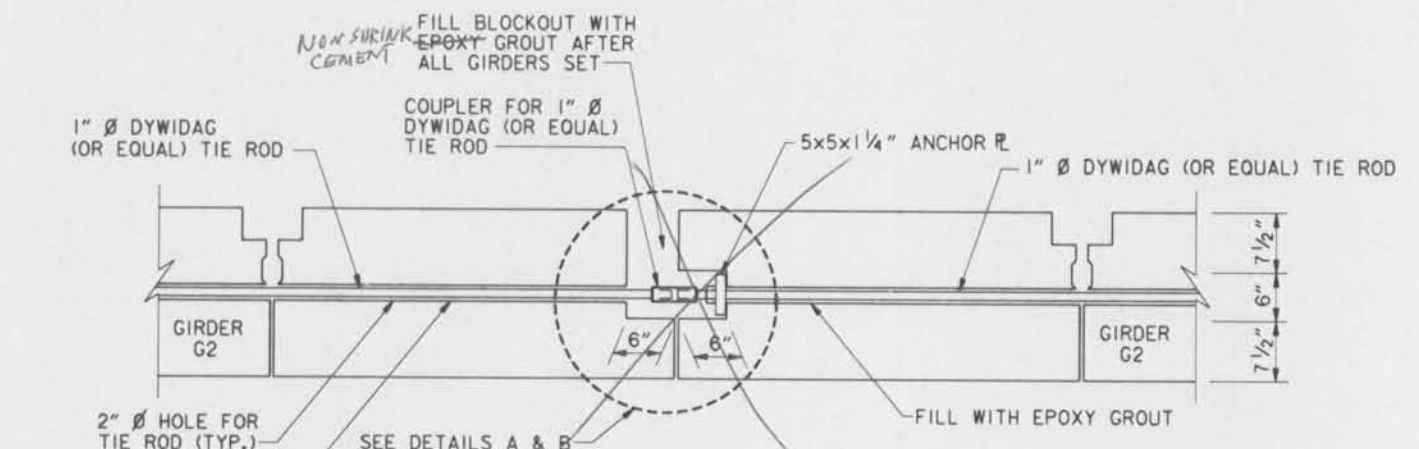
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of Your Contract**



TIE RODS
SCALE: 1" = 1'-0"
*CALCULATED LENGTHS, PROVIDE 2" ADDITIONAL LENGTH PER PAIR TO ALLOW FOR CONSTRUCTION TOLERANCES.

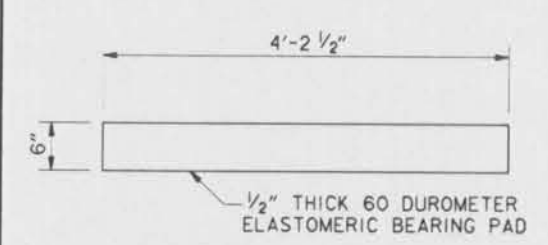


**SECTION A-A
GIRDERS G1 & G7**
SCALE: 1" = 1'-0"

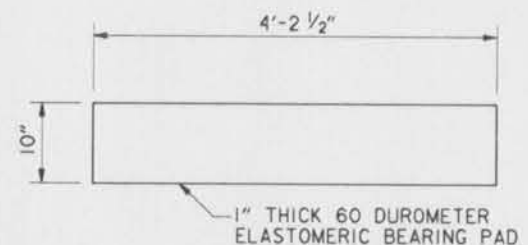


**SECTION C-C
GIRDER G3**
SCALE: 1" = 1'-0"

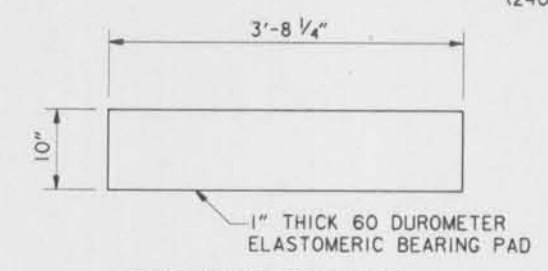
**SECTION B-B
GIRDER G4**
SCALE: 1" = 1'-0"



APPROACH SLAB
(48 REQ'D)

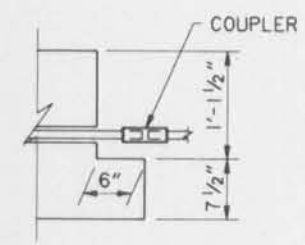


INTERIOR GIRDERS
(240 REQ'D)

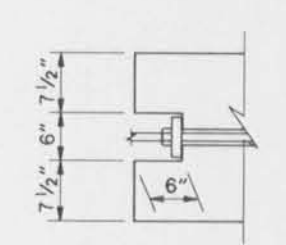


EXTERIOR GIRDERS
(40 REQ'D)

BEARING DETAILS
SCALE: 1" = 1'-0"



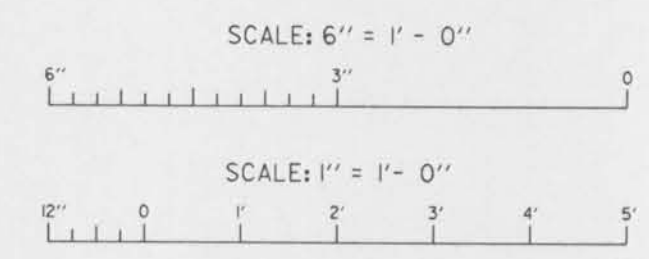
**DETAIL A
GIRDER G3**
SCALE: 1" = 1'-0"



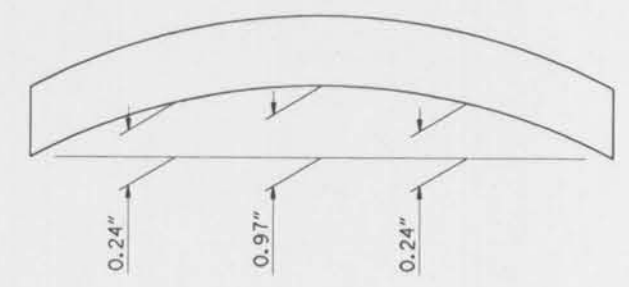
**DETAIL B
GIRDER G4**
SCALE: 1" = 1'-0"

TIE-ROD SEQUENCE:

1. PLACE FIRST SIX GIRDERS AND INSTALL TIE-ROD. FILL BLOCKOUTS BETWEEN GIRDERS WITH EPOXY GROUT.
2. TENSION TIE ROD TO 5 KIPS AND EPOXY GROUT 2" HOLE BEFORE TRAFFIC IS PLACED ON NEW STRUCTURE.
3. PLACE REMAINING GIRDERS.
4. WITHOUT UNTENSIONING EXISTING TIE-ROD, PLACE COUPLER AND SECOND TIE-ROD. FILL BLOCKOUTS BETWEEN GIRDERS WITH EPOXY GROUT.
5. TENSION TO 5 KIPS AND EPOXY GROUT 2" HOLE.
6. FILL EXTERIOR BLOCKOUT WITH DRY PACK MORTAR.



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR FRAMING PLAN, SEE DWG. NO. 33.
FOR TYPICAL SUPERSTRUCTURE SECTION, SEE DWG. NO. 34.



INITIAL PRESTRESS CAMBER
(CALCULATED VALUES FOR INFORMATION ONLY)
NO SCALE

INTERIOR GIRDER MOMENTS, SHEARS, AND REACTIONS

	MOMENT (ft.-kips)		SHEAR (kips)		REACTIONS (kips)	
	MIDSPAN	ENDS	ABUT.	BENTS	ABUT.	BENTS
DL	490	44.5	44.5	89.0		
LL	201	22.6	22.6	45.2		
I	60	6.8	6.8	13.6		
DL+LL+I	751	73.9	73.9	147.8		



U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

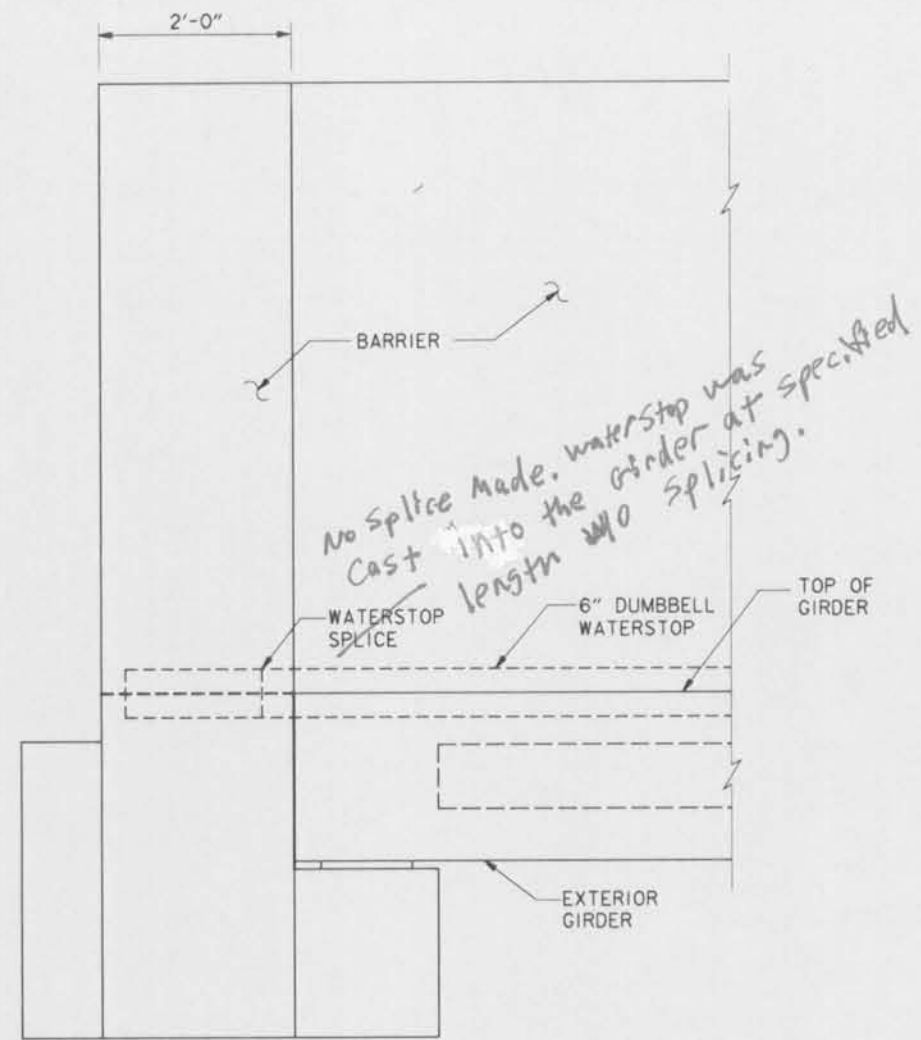
BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS INC.
NEW ORLEANS, LOUISIANA

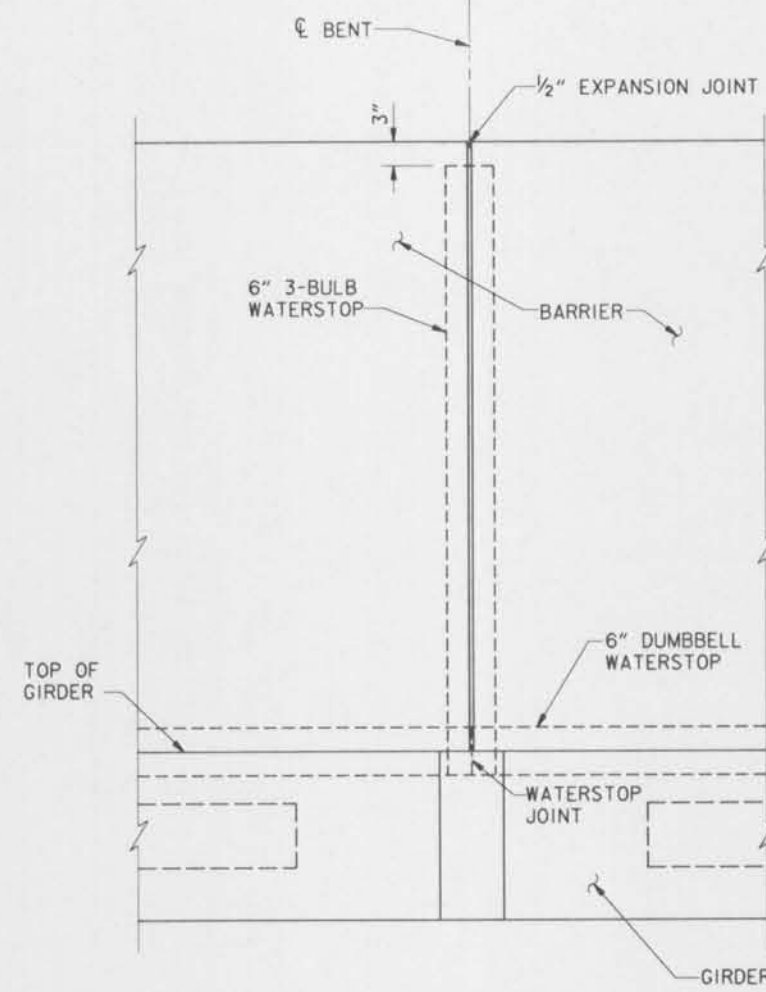
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

**VETERANS BLVD. BRIDGES
PPC GIRDER DETAILS-2**

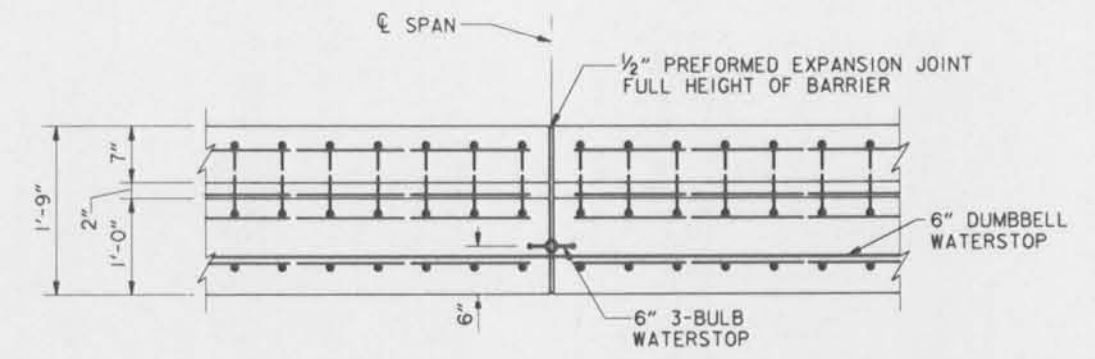
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MM43.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 36 OF 79	



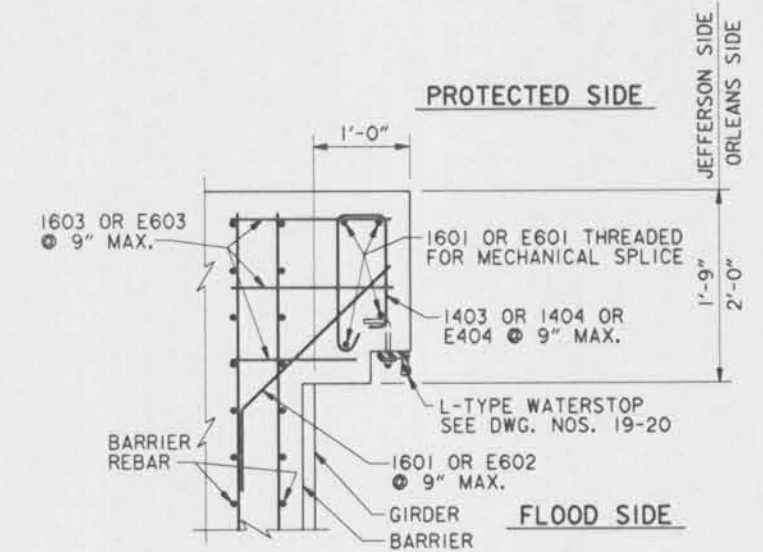
GIRDER/BARRIER SEAL AT ABUTMENTS
SCALE: 1" = 1'- 0"



BARRIER JOINT AT BENTS
SCALE: 1" = 1'- 0"

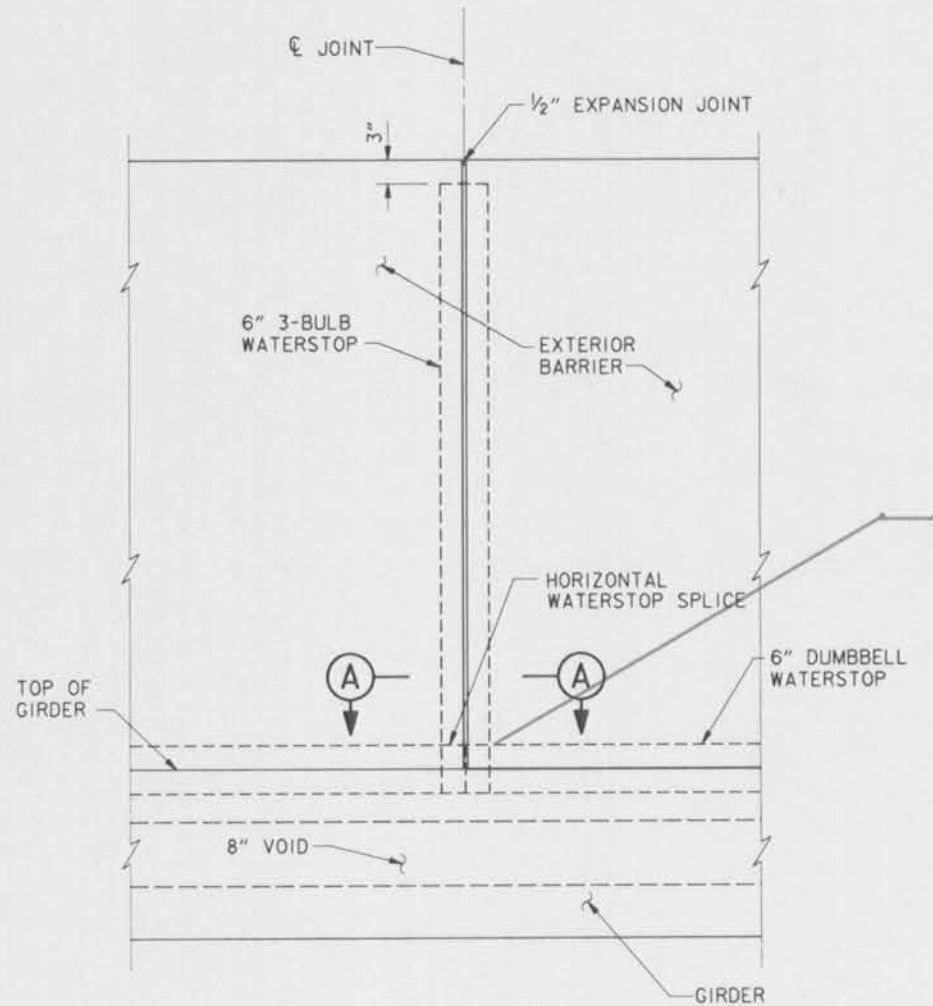


SECTION A-A
SCALE: 1" = 1'- 0"



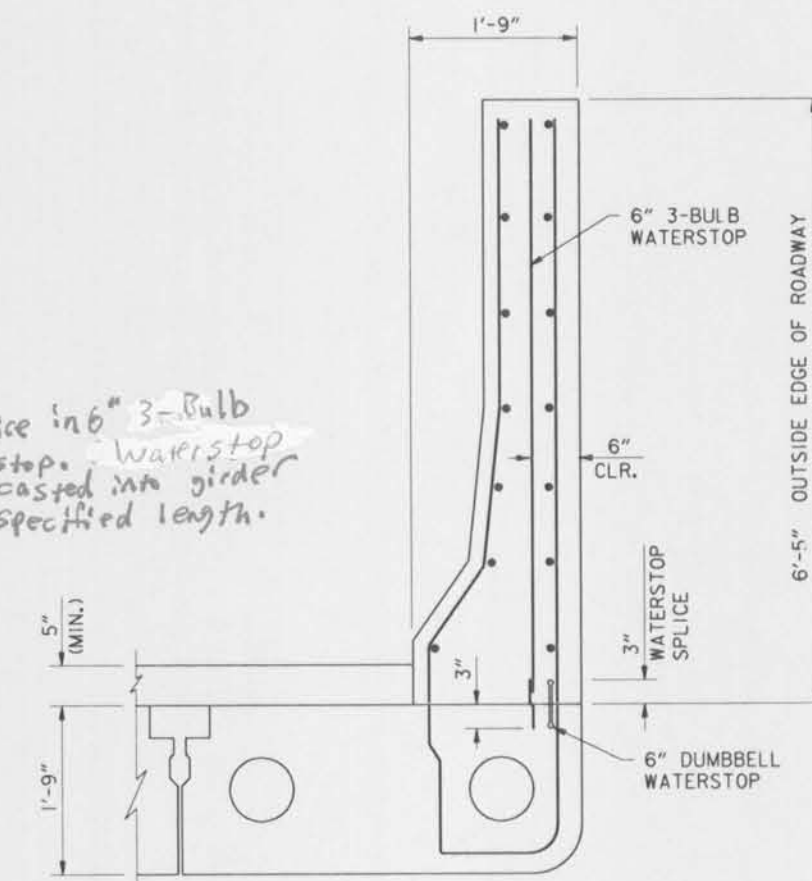
BARRIER EXTENSION
SCALE: 1" = 1'- 0"

NOTES:
 DETAILS ON THIS SHEET PERTAIN TO FLOOD PROTECTION BARRIERS ONLY.
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR FRAMING PLAN, SEE DWG. NO. 33.
 FOR TYPICAL SUPERSTRUCTURE SECTIONS, SEE DWG. NO. 34.
 FOR BARRIER SECTION AND REINFORCING, SEE DWG. NO. 34.
 FOR BARRIER JOINT LOCATIONS, SEE DWG. NO. 38.

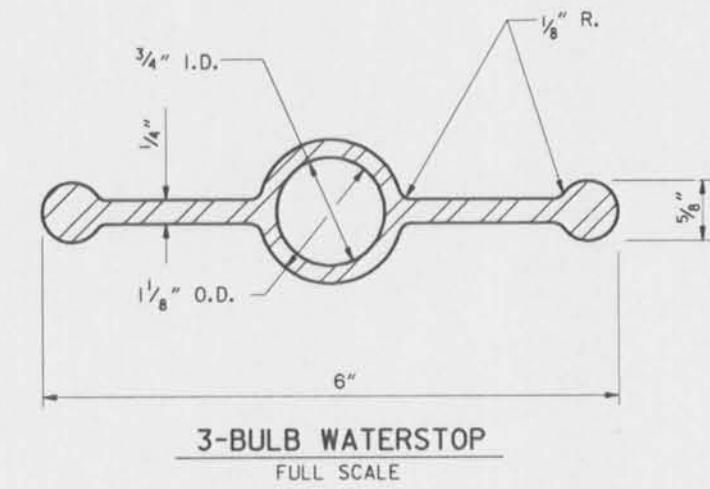


BARRIER JOINT AT MIDSPAN
SCALE: 1" = 1'- 0"

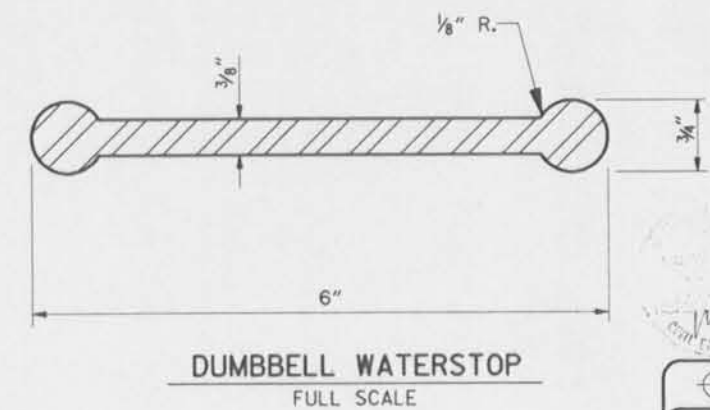
No splice in 6" 3-Bulb waterstop. waterstop was cast into girder at specified length.



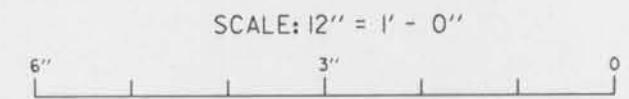
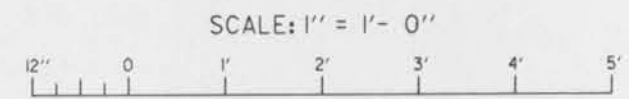
BARRIER DETAIL
SCALE: 1" = 1'- 0"



3-BULB WATERSTOP
FULL SCALE



DUMBELL WATERSTOP
FULL SCALE



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA
 BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA
 BOARD OF LEVEE COMMISSIONERS
 EAST JEFFERSON LEVEE DISTRICT
 EAST JEFFERSON, LOUISIANA
 MODRESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET OUTFALL CANAL
 METAIRIE RELIEF
 ORLEANS PARISH-JEFFERSON PARISH
 LOUISIANA

**VETERANS BLVD. BRIDGES
 BARRIER JOINT DETAILS**

DESIGNED BY: A.A.H.
 DRAWN BY: P.M.R.
 CHECKED BY: N.M.
 SUBMITTED BY: W.B. CONWAY
 DESIGN ENGINEER

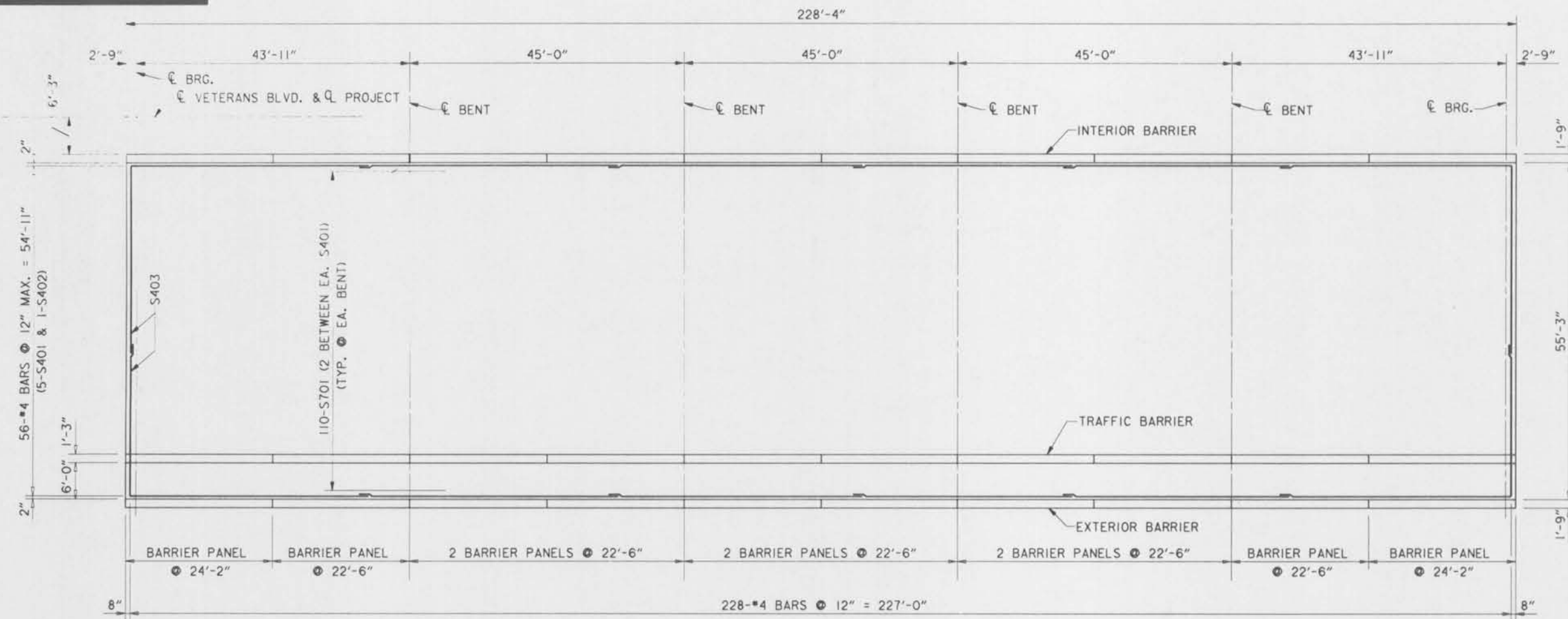
DATE: JUNE 95
 PLOT SCALE: 12
 CADD FILE: MM44.DGN
 SOLICITATION NO. DACW29-95-B-0095

PILOT DATE: JUNE 95
 FILE NO. H-4-40359
 DWG. 37 OF 79

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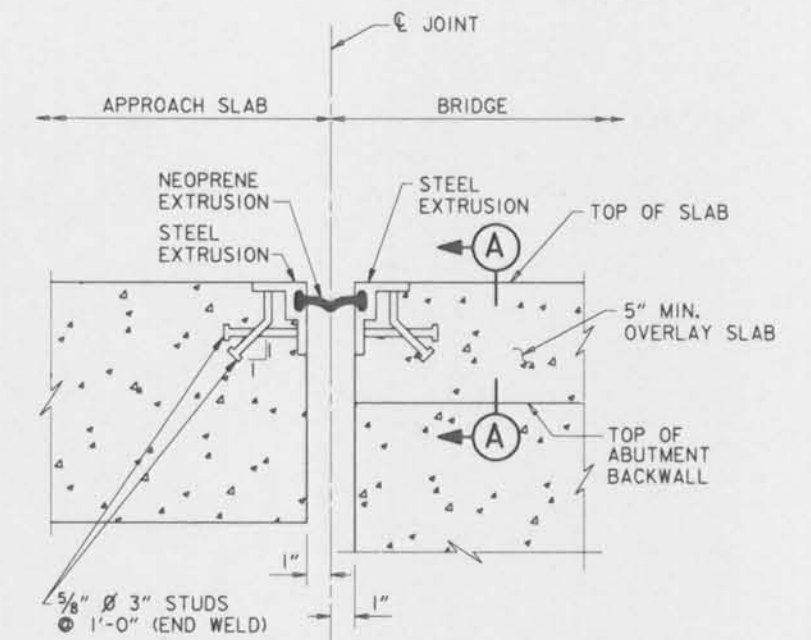


SLAB PLACING PLAN

SCALE: 1" = 1'-0"

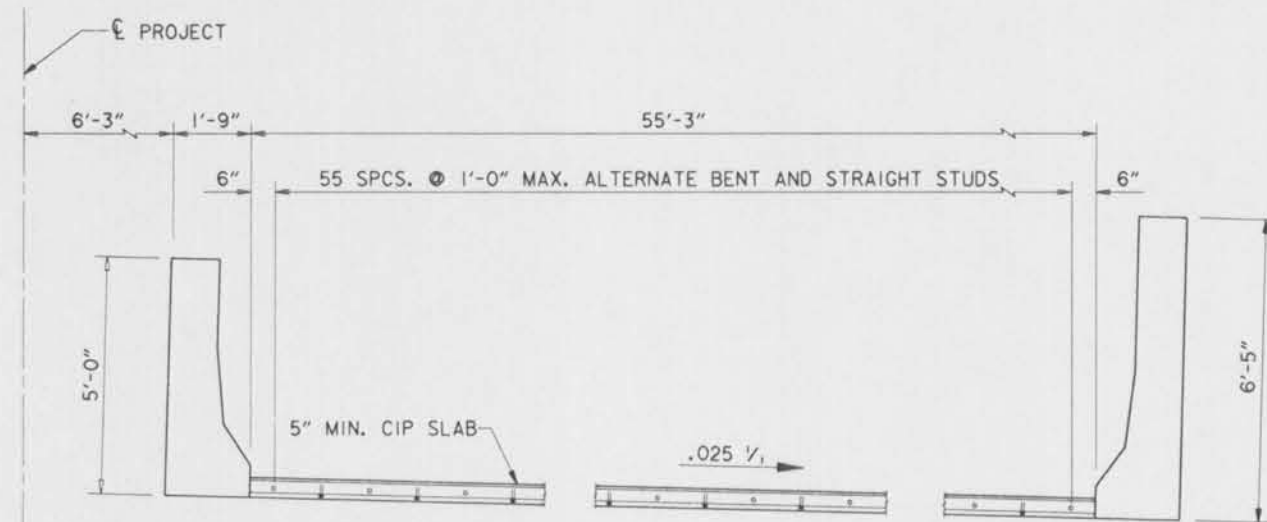


NOTE:
C.I.P. SLAB IS PLACED CONTINUOUSLY OVER ENTIRE SPAN.



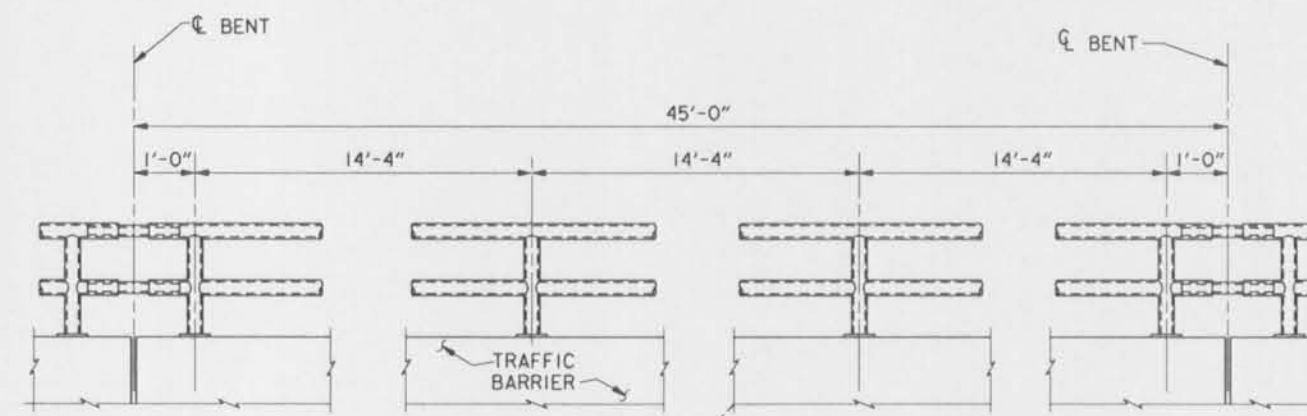
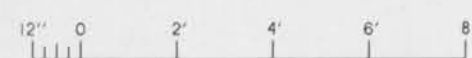
STRIP SEAL JOINT DETAIL

SCALE: 3" = 1'-0"



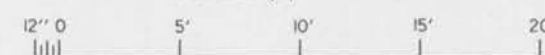
SECTION A-A

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



BICYCLE RAILING POST LOCATIONS

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



NOTE:
INTERIOR SPAN SHOWN. EXTERIOR SPAN AND APPROACH SLAB SIMILAR.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR TYPICAL SUPERSTRUCTURE SECTION, SEE DWG. NO. 34.
WATERBLAST CLEAN TOPS OF GIRDERS AND PREPARE AS CONSTRUCTION JOINT BEFORE PLACING C.I.P. DECK SLAB.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC.		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES SLAB PLACING PLAN			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 1/20	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: N.M.	CADD FILE: MMSB.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 38 OF 79	




Safety is a Part
of Your Contract

TRAFFIC CONTROL NOTES

(IN THESE NOTES, THE TERM "ENGINEER" SHALL MEAN "QUALIFIED TRAFFIC ENGINEER")

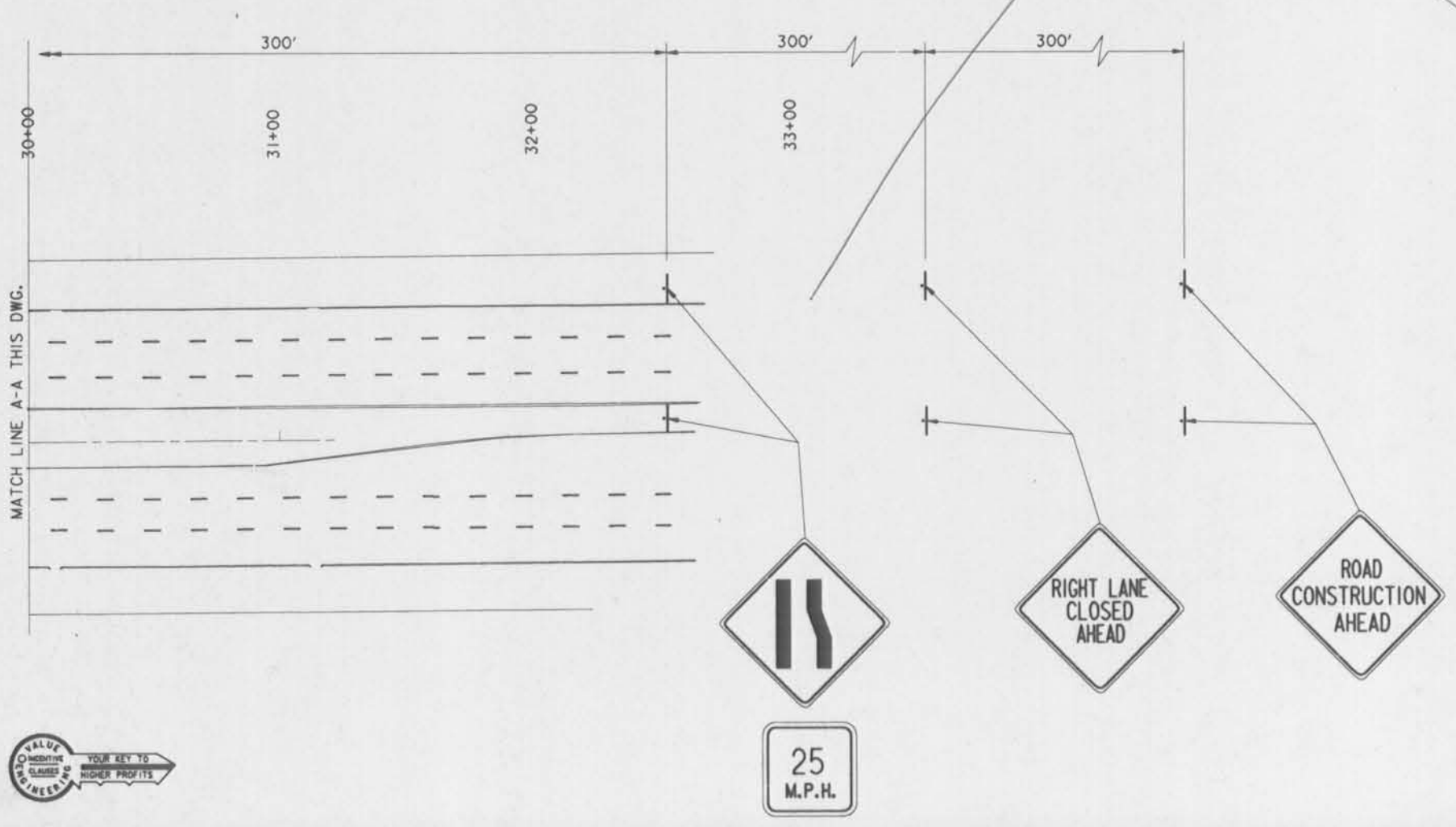
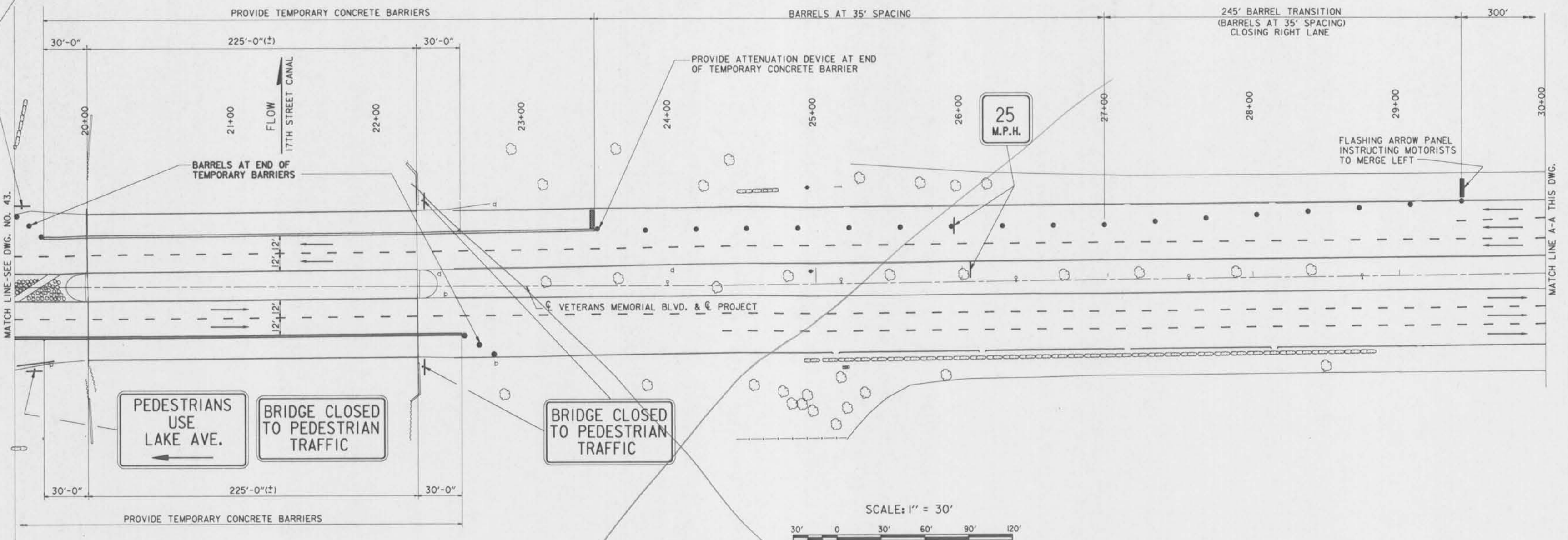
1. THE DESIGN AND APPLICATION OF ALL SIGNALS, PAVEMENT MARKINGS, CHANNELIZING DEVICES, AND WARNING SIGNS SHALL CONFORM TO "THE LOUISIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 1988 EDITION AS REVISED, AND THE "WORK AREA TRAFFIC CONTROL HANDBOOK" OF JEFFERSON PARISH.
2. CHANNELIZING AND DELINEATION DEVICES SHALL BE USED TO MARK ALL CONSTRUCTION AREAS. THESE SHALL BE TYPE II AND/OR TYPE III BARRICADES, AND/OR BARRELS, ALL FULLY REFLECTORIZED WITH LIGHTS.
3. ANY EXISTING TRAFFIC CONTROL DEVICE WHICH CONTRADICTS THE PROPOSED TRAFFIC CONTROL PLAN OF INTERFERES WITH THE CONSTRUCTION SHALL BE REMOVED, COVERED AND/OR RELOCATED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL IMMEDIATELY RESTORE ALL EXISTING TRAFFIC CONTROL DEVICES TO THEIR ORIGINAL CONDITION WHEN DIRECTED BY THE ENGINEER.
4. ANY TEMPORARY TRAFFIC CONTROL DEVICE WHICH, IN THE JUDGMENT OF THE ENGINEER, IS NOT REQUIRED SHALL IMMEDIATELY BE REMOVED, COVERED AND/OR RELOCATED AS DIRECTED BY THE ENGINEER.
5. SIGNS, BARRELS, BARRICADES, STRIPING, BARRIERS, ATTENUATORS, AND ALL OTHER TRAFFIC CONTROL DEVICES SHOWN ON THESE DRAWINGS ARE REQUIRED FOR CONSTRUCTION OF THE PROJECT AND SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.
6. ALL CONSTRUCTION MATERIAL AND EQUIPMENT SHALL BE STORED OUTSIDE OF THE ROADWAY SURFACE, CREATING NO SIGHT DISTANCE PROBLEMS, AND FULLY DELINEATED AS IN NOTE 2.
7. BARRELS USED FOR CHANNELIZING AND DELINEATION DEVICES AS PART OF THIS TRAFFIC CONTROL DEVICE PLAN SHALL BE WEIGHTED WITH SANDBAGS, FULLY REFLECTORIZED, WITH LIGHTS.
8. FLAGMAN AND/OR POLICE CONTROL SHALL BE PROVIDED AS NEEDED AND SPECIFIED BY THE ENGINEER.
9. YELLOW, HIGH VISIBILITY PENNANT BARRIER FLAGGING (NYLON ROPE WITH PLASTIC PENNANTS) SHALL BE STRUNG BETWEEN TYPE II BARRICADES AND BARRELS/DRUMS, ONLY AS DIRECTED BY THE ENGINEER. YELLOW PENNANT FLAGGING SHALL BE USED ONLY WHERE PEDESTRIAN ACTIVITY IS TO BE PROHIBITED. THIS MATERIAL SHALL NOT BE USED OR PLACED IN OR NEAR VEHICULAR TRAFFIC LANES OR USED TO WARN OR DIRECT VEHICULAR TRAFFIC.
10. ANY SPECIAL SIGNS CALLED FOR IN THE TRAFFIC CONTROL DEVICE PLAN SHALL CONFORM TO THE LOUISIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
11. THIS TRAFFIC CONTROL DEVICE PLAN INDICATES GENERAL TRAFFIC CONTROL DEVICES TO BE USED ON THIS PROJECT. IT IS ANTICIPATED THAT CONDITIONS WILL VARY DEPENDING ON THE PHASE UNDER CONSTRUCTION AND THAT THE ARRANGEMENT OF THOSE DEVICES WILL BE REVIEWED ON A DAY TO DAY BASIS. SHOULD THE CONTRACTOR HAVE ANY QUESTION AS TO THE ARRANGEMENT OF THOSE DEVICES, THE ENGINEER SHALL BE NOTIFIED TO MAKE AN INSPECTION OF THE SITE.
12. CONTRACTOR SHALL PROVIDE FOR THE MOVEMENT OF PEDESTRIANS FOR THE ENTIRE LENGTH OF THE CONTRACT. AS MUCH AS POSSIBLE, THE CONTRACTOR SHALL NOT OBSTRUCT EXISTING SIDEWALKS, THEREBY OBSTRUCTING PEDESTRIAN MOVEMENTS. MAINTENANCE OF PEDESTRIAN TRAFFIC ACROSS THE BRIDGES IS NOT REQUIRED DURING CONSTRUCTION PHASES 1-5.
13. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AREA BUSINESSES.
14. TEMPORARY CONCRETE BARRIER DETAILS SHALL BE AS SHOWN ON THESE DRAWINGS. BARRIER REFLECTORS SHALL BE AS DESCRIBED IN THE SPECIFICATIONS.
15. IMPACT ATTENUATORS AT THE END OF TEMPORARY CONCRETE BARRIER SHALL BE THE G-R-E-A-T SYSTEM USING THE MP-3 ANCHOR SYSTEM AS MANUFACTURED BY ENERGY ABSORPTION SYSTEMS INC. OR APPROVED EQUAL.
16. TEMPORARY CLOSURES OF ONE TRAFFIC LANE SHALL BE ALLOWED FOR LOADING OR UNLOADING OF MATERIALS, SHIFTING OF TEMPORARY CONCRETE BARRIERS, ETC. FLAGMEN SHALL BE USED TO DIRECT TRAFFIC DURING THESE PERIODS. TEMPORARY CLOSURES SHALL BE APPROVED BY THE CONTRACTING OFFICER.
17. ALL EXCAVATION SHALL BE COVERED, BACKFILLED, OR PROTECTED AS DIRECTED BY THE PROJECT ENGINEER, FULLY DELINEATED (SEE NOTE 2) AT NIGHT AND WHEN WORK IS NOT IN PROGRESS. EXCAVATED PITS, ETC. SHALL BE FULLY FENCED OR BARRICADED (SEE NOTE 2) TO PREVENT ACCESS BY PEDESTRIANS.
18. THE CONTRACTOR IS ADVISED THAT VETERANS BLVD. IS AN EMERGENCY EVACUATION ROUTE. MAINTENANCE OF TRAFFIC COORDINATION REQUIREMENTS DURING TIMES OF PUBLIC EMERGENCIES, SUCH AS HURRICANES, ARE GIVEN IN THE SPECIFICATIONS.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOD.ESI & MASTERS Inc.		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES TRAFFIC CONTROL NOTES			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 1	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM62.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 42 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



Safety is a Part of Your Contract

PEDESTRIANS USE LAKE AVE. BRIDGE CLOSED TO PEDESTRIAN TRAFFIC



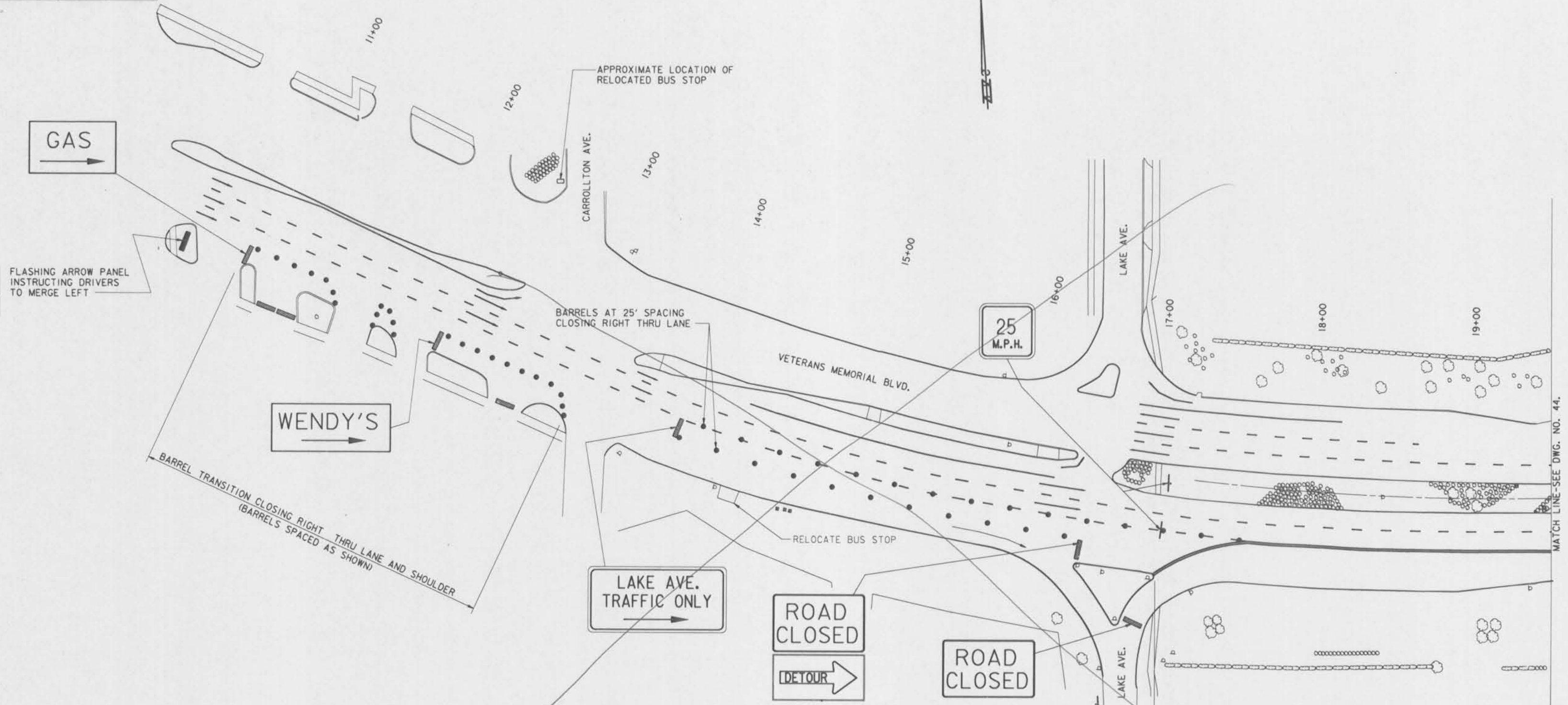
NOTES:
 FOR NOTES PERTAINING TO THIS SHEET, SEE DWG. NO. 43.
 FOR LEGEND, SEE DWG. NO. 43.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA, AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 1-2			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	CADD FILE: MM13.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 44 OF 79	



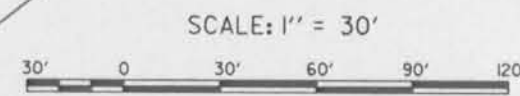
W.B. Conway

Safety is a Part of Your Contract

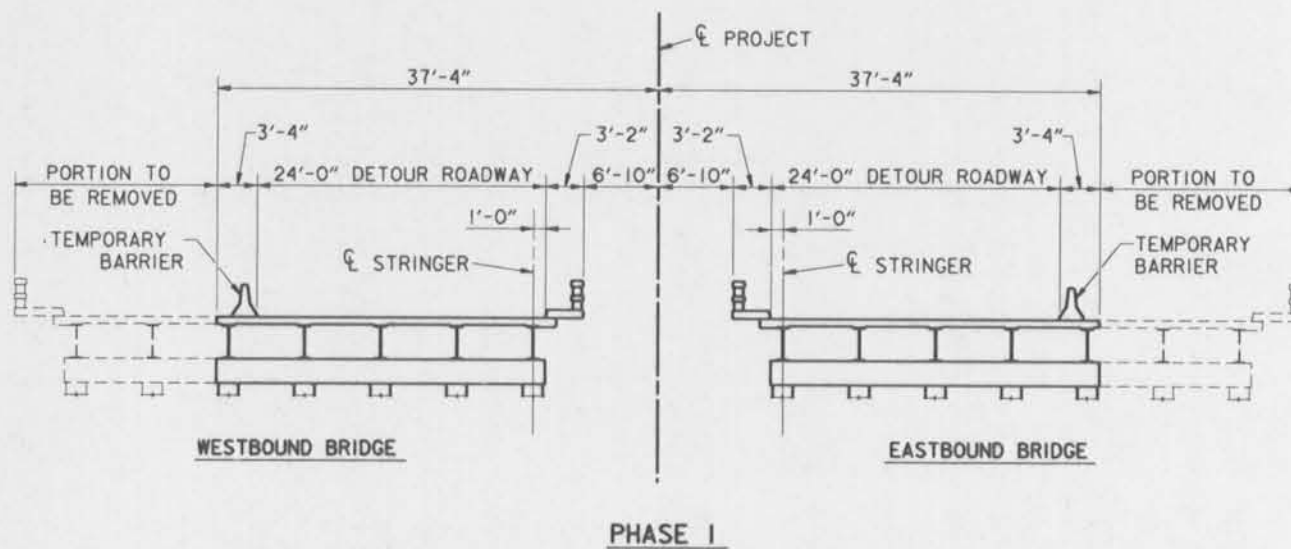


LEGEND:

- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW PANEL
- TRAFFIC BARREL



(THESE SIGNS TO BE MOUNTED ON BARRELS OPPOSITE THE THREE DRIVEWAYS ON THE EAST SIDE OF LAKE AVE.)



PHASE I

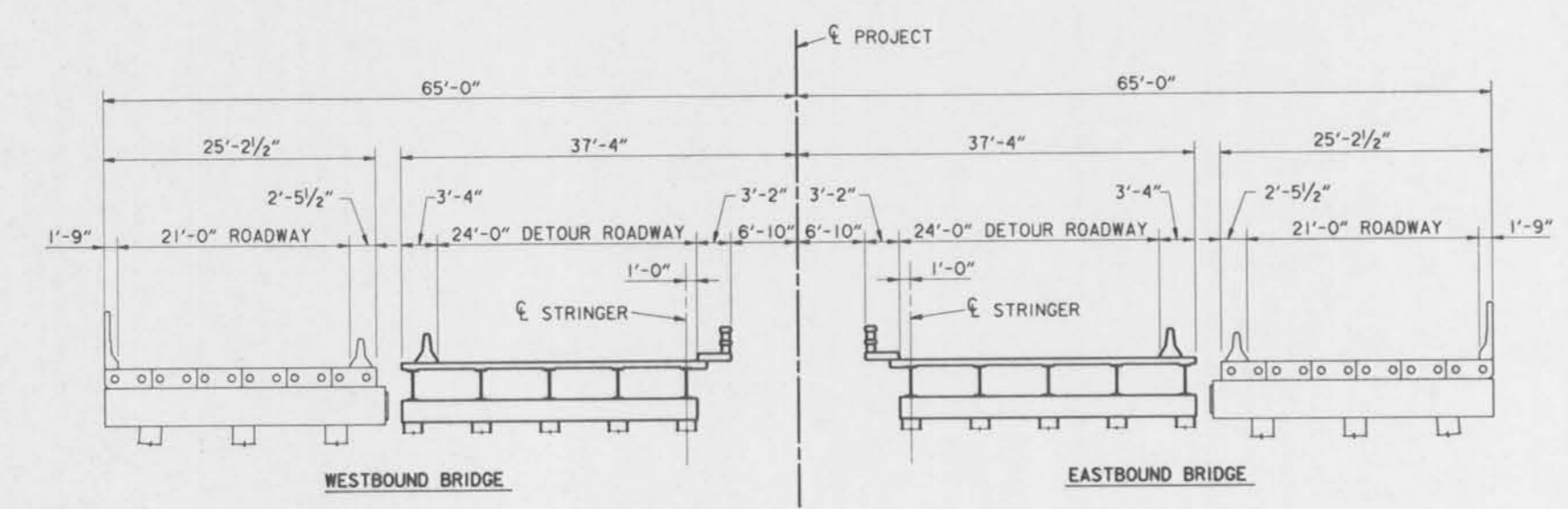
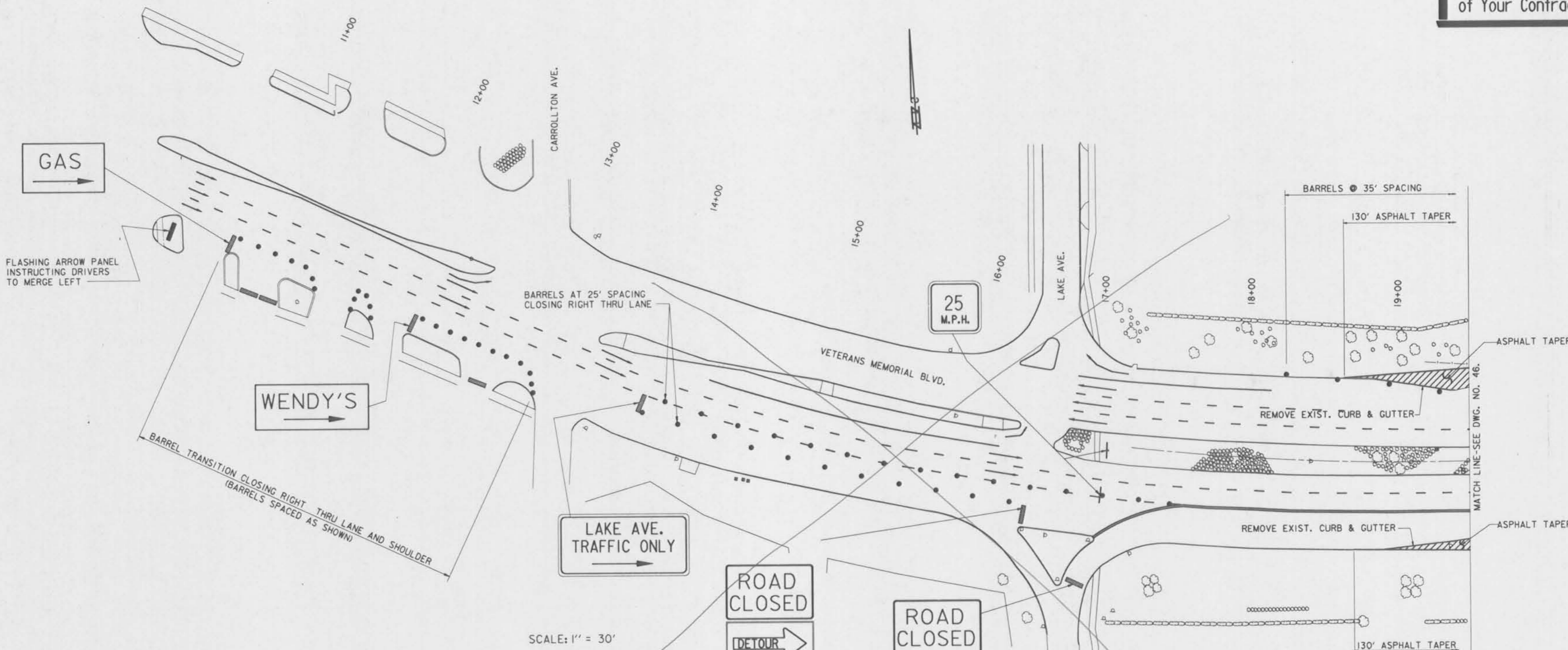
1. SET DETOUR SPEED TO 25 MPH. CLOSE BRIDGE TO PEDESTRIAN TRAFFIC.
2. RELOCATE BUS STOP TO NORTHWEST CORNER OF CARROLLTON AVE. AND VETERANS BLVD. (BY OTHERS)
3. INSTALL TRAFFIC CONTROL DEVICES AND CLOSE RIGHT THRU LANE OF VETERANS BLVD. (BOTH DIRECTIONS) PRIOR TO 17TH STREET CANAL.
4. PLACE TEMPORARY BARRIERS IN POSITION 24'-0" FROM INSIDE GUTTER OF EXISTING BRIDGE.
5. DIRECT TRAFFIC TO 24'-0" ROADWAY MAINTAINING TWO TRAFFIC LANES.
6. CUT EXISTING ROADWAY DECK AT A POINT 37'-4" FROM CENTERLINE OF PROJECT. REMOVE EXISTING ROADWAY DECK, SIDEWALK, AND RAILING OUTSIDE OF CUT LINE.
7. REMOVE EXISTING STEEL STRINGERS.
8. REMOVE PORTION OF EXISTING BENTS AND ABUTMENTS AND PULL APPLICABLE PILING.
9. DEMOLITION WORK SHALL NOT BLOCK THE 24'-0" DETOUR ROADWAY AT ANY TIME.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR ADDITIONAL CONSTRUCTION SIGNING,
SEE DWG. NOS. 46-48.
LOCATE PEDESTRIAN WARNING SIGNS OUTSIDE
OF SAFETY FENCE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE I-1			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM12.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 43 OF 79



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- PHASE 2**
- TEMPORARY BARRIERS REMAIN AS IN PHASE I. RIGHT THRU LANES OF VETERANS BLVD. REMAIN CLOSED AS IN PHASE I.
 - PERFORM LIMITED RIPRAP REMOVAL AND DREDGING OUTSIDE OF EXISTING BRIDGE LIMITS.
 - WITH TWO LANES OF TRAFFIC ESTABLISHED ON REMAINING 24'-0" ROADWAY, CONSTRUCT PORTION OF NEW BENTS AND ABUTMENTS.
 - CONSTRUCT 25'-2 1/2" WIDTH OF PRECAST GIRDER SPANS.
 - PLACE CONCRETE BARRIER ON EDGE GIRDER AND TEMPORARY BARRIER ON INSIDE EDGE OF LAST REGULAR GIRDER, ESTABLISHING A CLEAR ROADWAY OF 21'-0".
 - CONSTRUCT ASPHALT TAPERS FOR DETOUR ROADWAYS.
 - CONSTRUCTION WORK SHALL NOT BLOCK 24'-0" DETOUR ROADWAY AT ANY TIME.
 - RIGHT THRU LANES OF VETERANS BLVD. REMAIN CLOSED AS IN PHASE I.

NOTES:

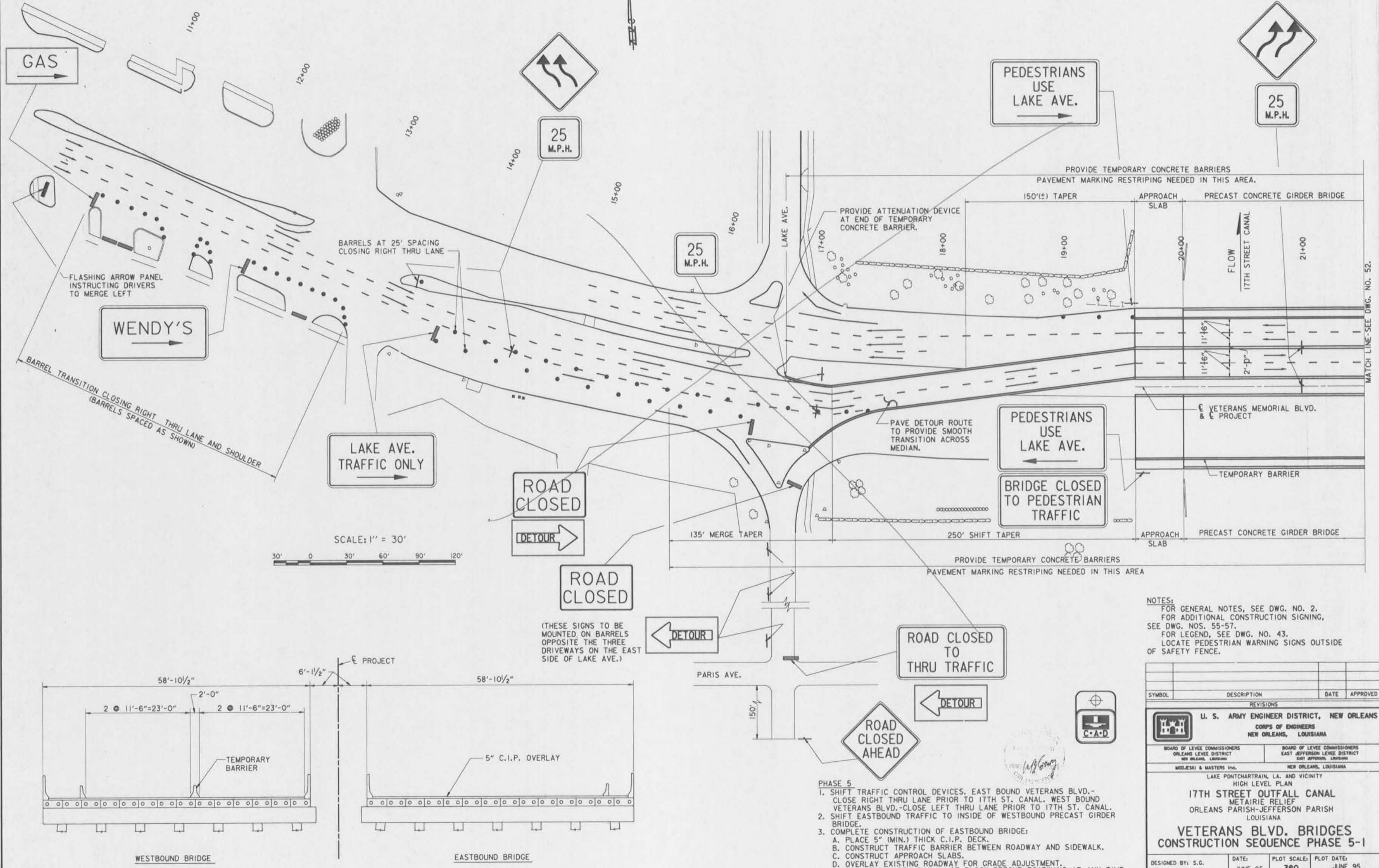
- FOR GENERAL NOTES, SEE DWG. NO. 2.
- FOR ADDITIONAL CONSTRUCTION SIGNING, SEE DWG. NOS. 55-57.
- FOR LEGEND, SEE DWG. NO. 43.
- OVERLAY EXIST. ROADWAY ADJACENT TO ASPHALT TAPERS TO ADJUST ROADWAY GRADES FOR PHASE 3 DETOURS. FOR REQUIRED ROADWAY ELEVATIONS, SEE DWG. NO. 6.
- LOCATE PEDESTRIAN WARNING SIGNS OUTSIDE OF SAFETY FENCE.
- OVERLAY EXIST. ROADWAY ADJACENT TO ASPHALT TAPERS TO ADJUST ROADWAY GRADES FOR PHASE 3 DETOURS. FOR REQUIRED ROADWAY ELEVATIONS, SEE DWG. NO. 6.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOJESKI & MASTERS, INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 2-1			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM14.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 45 OF 79



Safety is a Part of Your Contract

NOTE: SIGN TO BE INSTALLED IN CENTER TO BE 36".



WENDY'S

GAS

LAKE AVE. TRAFFIC ONLY

ROAD CLOSED

DETOUR

ROAD CLOSED

(THESE SIGNS TO BE MOUNTED ON BARRELS OPPOSITE THE THREE DRIVEWAYS ON THE EAST SIDE OF LAKE AVE.)

ROAD CLOSED TO THRU TRAFFIC

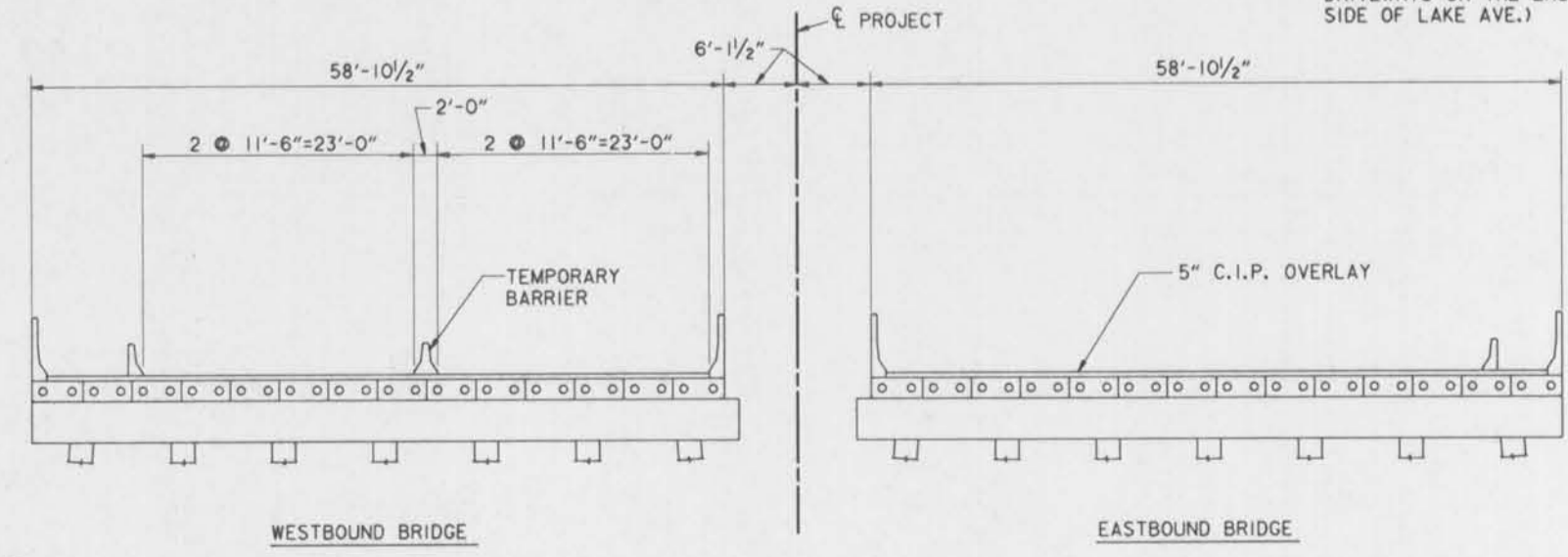
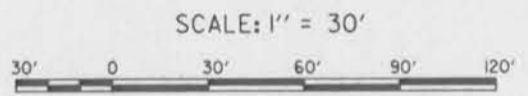
ROAD CLOSED AHEAD

PEDESTRIANS USE LAKE AVE.

25 M.P.H.

PEDESTRIANS USE LAKE AVE.

BRIDGE CLOSED TO PEDESTRIAN TRAFFIC



- PHASE 5**
1. SHIFT TRAFFIC CONTROL DEVICES. EAST BOUND VETERANS BLVD.- CLOSE RIGHT THRU LANE PRIOR TO 17TH ST. CANAL. WEST BOUND VETERANS BLVD.-CLOSE LEFT THRU LANE PRIOR TO 17TH ST. CANAL.
 2. SHIFT EASTBOUND TRAFFIC TO INSIDE OF WESTBOUND PRECAST GIRDER BRIDGE.
 3. COMPLETE CONSTRUCTION OF EASTBOUND BRIDGE:
 - A. PLACE 5" (MIN.) THICK C.I.P. DECK.
 - B. CONSTRUCT TRAFFIC BARRIER BETWEEN ROADWAY AND SIDEWALK.
 - C. CONSTRUCT APPROACH SLABS.
 - D. OVERLAY EXISTING ROADWAY FOR GRADE ADJUSTMENT.
 4. CONSTRUCTION WORK SHALL NOT BLOCK DETOUR ROADWAYS AT ANY TIME.

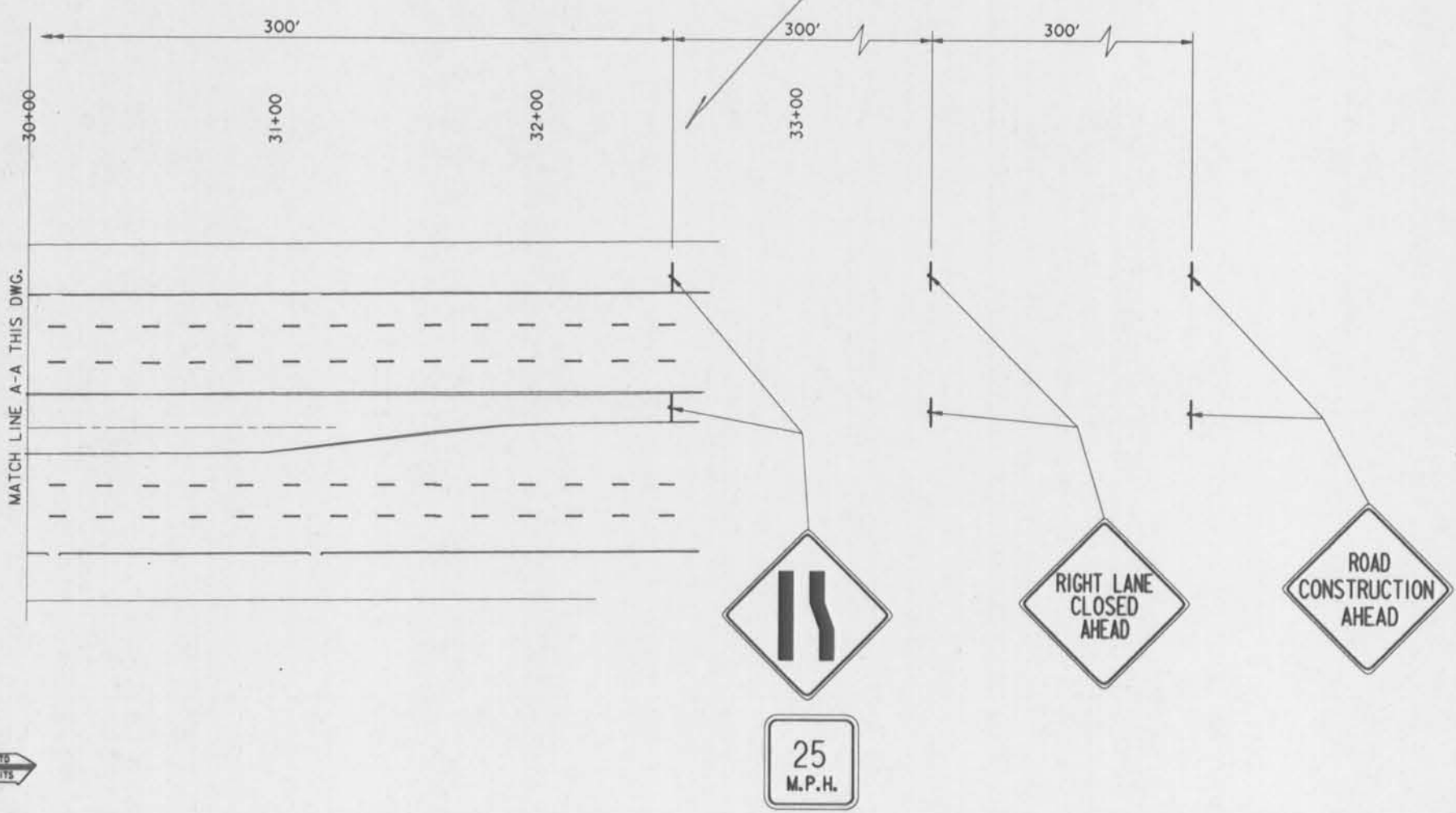
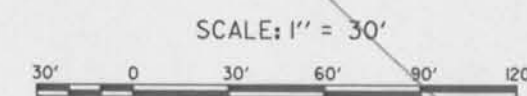
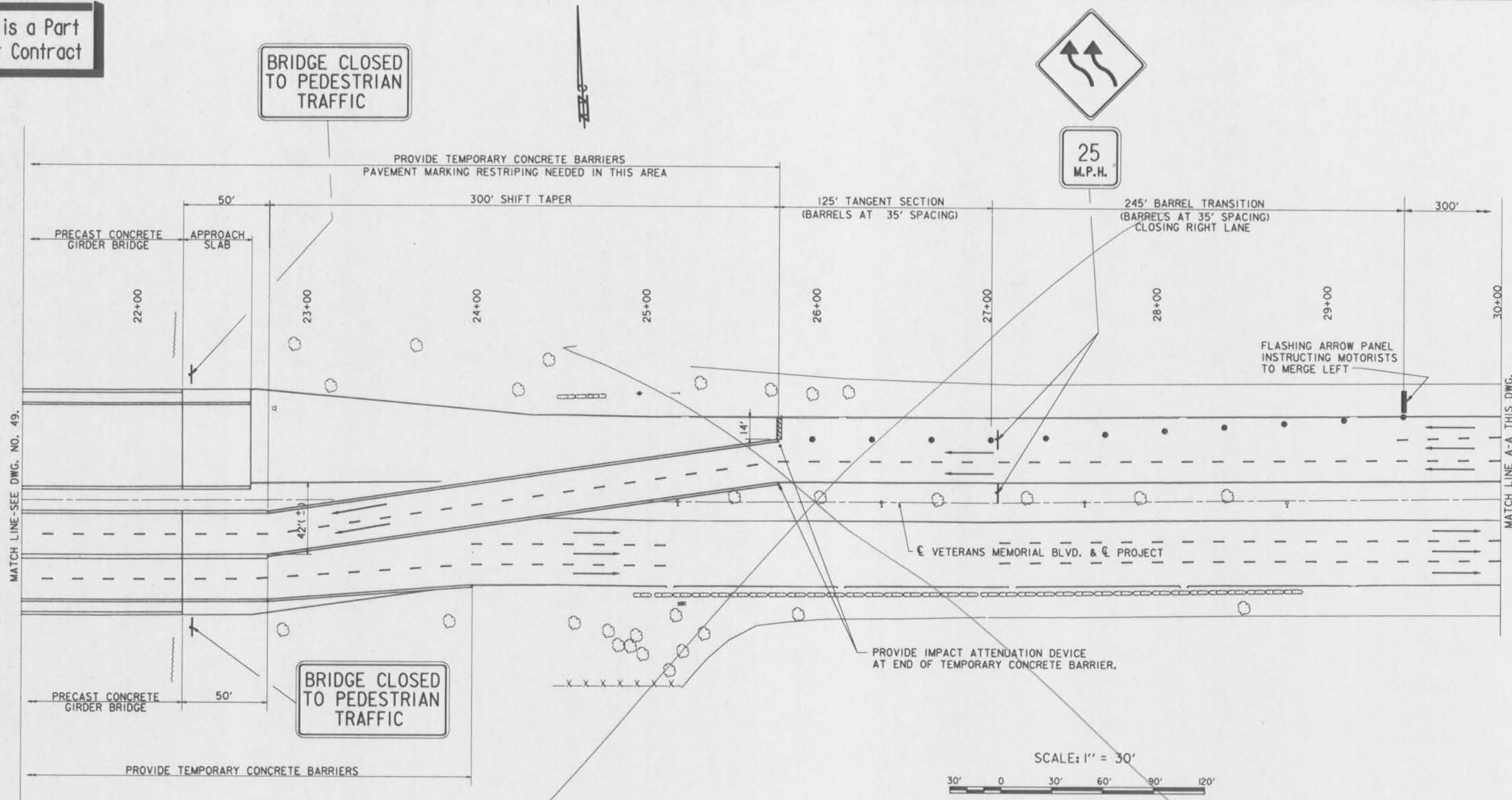
NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR ADDITIONAL CONSTRUCTION SIGNING, SEE DWG. NOS. 55-57.
 FOR LEGEND, SEE DWG. NO. 43.
 LOCATE PEDESTRIAN WARNING SIGNS OUTSIDE OF SAFETY FENCE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 5-1			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM20.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 51 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



MATCH LINE-SEE DWG. NO. 52.

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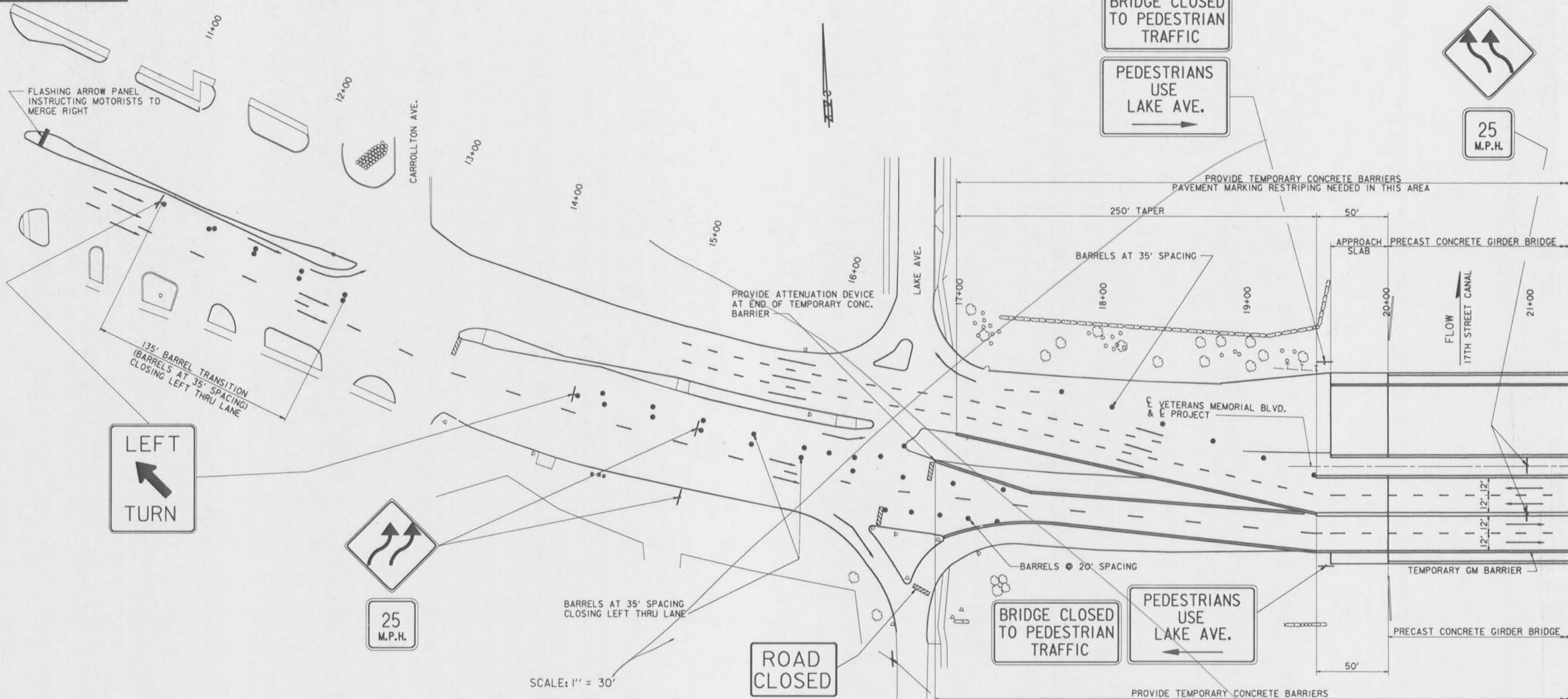
NOTES:
FOR NOTES PERTAINING TO THIS DWG.,
SEE DWG. NO. 49.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESI & MASTERS INC.		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 4-2			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM19.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 50 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



Safety is a Part of Your Contract

NOTE: SIGN TO BE INSTALLED IN CENTER TO BE 36".



LEFT TURN

25 M.P.H.

ROAD CLOSED

BRIDGE CLOSED TO PEDESTRIAN TRAFFIC

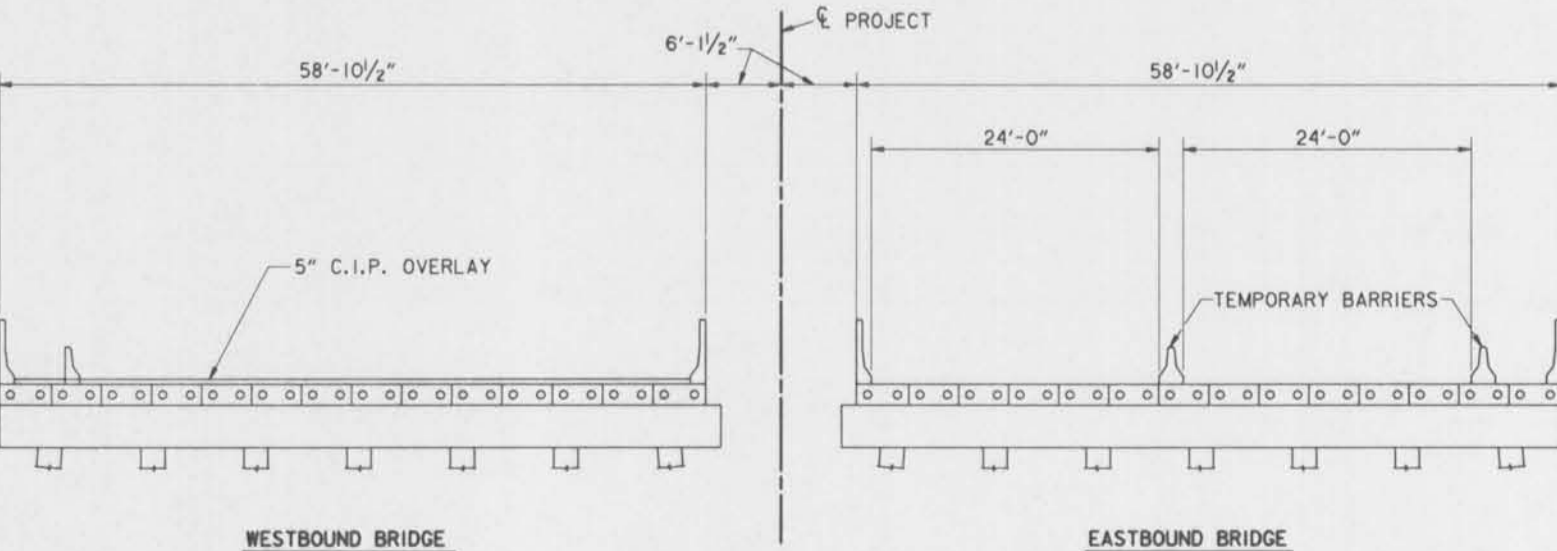
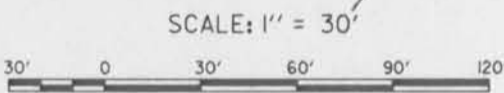
PEDESTRIANS USE LAKE AVE.

DETOUR

ROAD CLOSED TO THRU TRAFFIC

ROAD CLOSED AHEAD

DETOUR



PHASE 4

- PHASE 4
- SHIFT TRAFFIC CONTROL DEVICES. SHIFT WESTBOUND TRAFFIC TO INSIDE OF EASTBOUND VOIDED GIRDER BRIDGE. EASTBOUND VETERANS BLVD. -LEFT THRU LANE REMAINS CLOSED PRIOR TO 17TH ST. CANAL. WESTBOUND VETERANS BLVD.-CLOSE RIGHT THRU LANE PRIOR TO 17TH ST. CANAL.
 - COMPLETE CONSTRUCTION OF WESTBOUND BRIDGE:
 - PLACE 5" (MIN.) THICK C.I.P. DECK.
 - CONSTRUCT TRAFFIC BARRIER BETWEEN ROADWAY AND SIDEWALK.
 - CONSTRUCT APPROACH SLAB.
 - OVERLAY EXISTING ROADWAY FOR GRADE ADJUSTMENT.
 - CONSTRUCTION WORK SHALL NOT BLOCK DETOUR ROADWAYS AT ANY TIME.

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR ADDITIONAL CONSTRUCTION SIGNING, SEE DWG. NOS. 55-57.
 FOR LEGEND, SEE DWG. NO. 43.
 LOCATE PEDESTRIAN WARNING SIGNS OUTSIDE OF SAFETY FENCE.

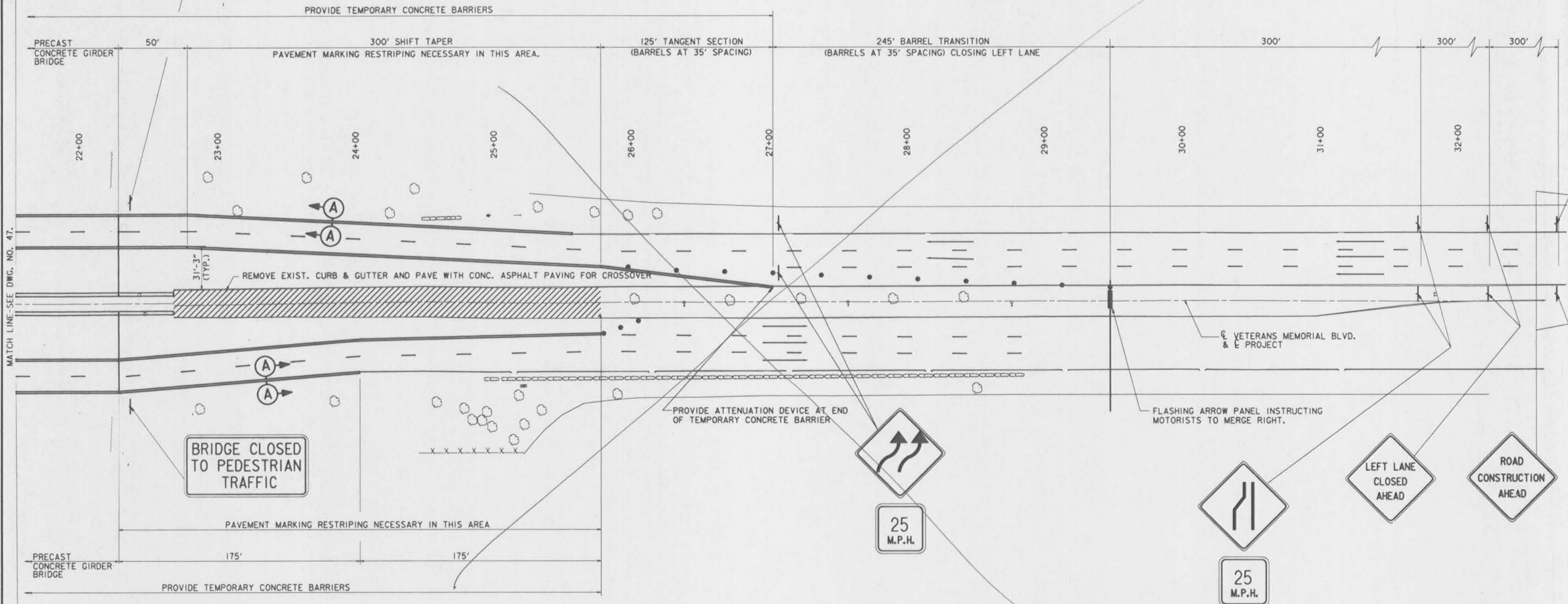
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEL DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEL DISTRICT EAST JEFFERSON, LOUISIANA	
MOD.ESU & MASTERS INC. NEW ORLEANS, LOUISIANA		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 4-1			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	CADD FILE: MM18.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 49 OF 79	



MATCH LINE-SEE DWG. NO. 50.

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BRIDGE CLOSED TO PEDESTRIAN TRAFFIC

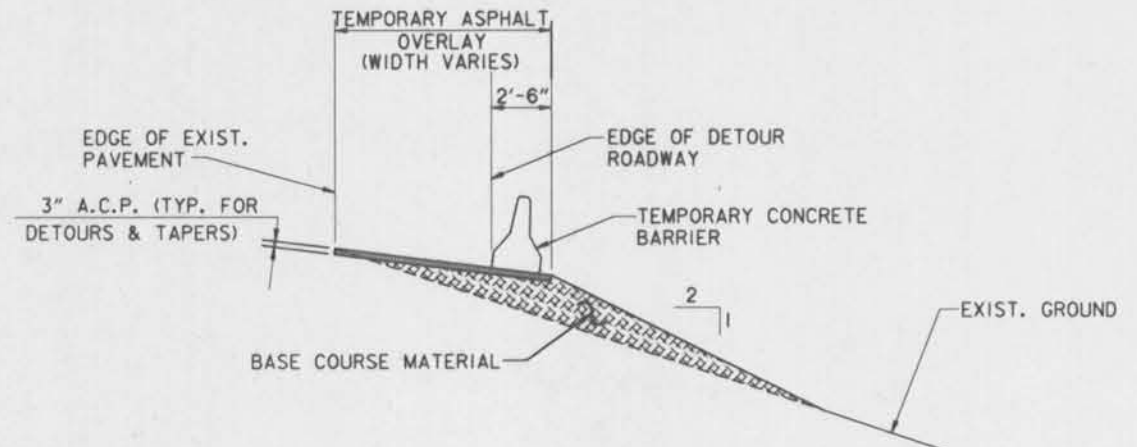


BRIDGE CLOSED TO PEDESTRIAN TRAFFIC



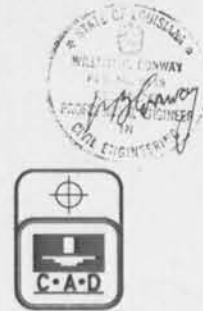
NOTES:
FOR NOTES PERTAINING TO THIS DWG.,
SEE DWG. NO. 47.

SCALE: 1" = 30'

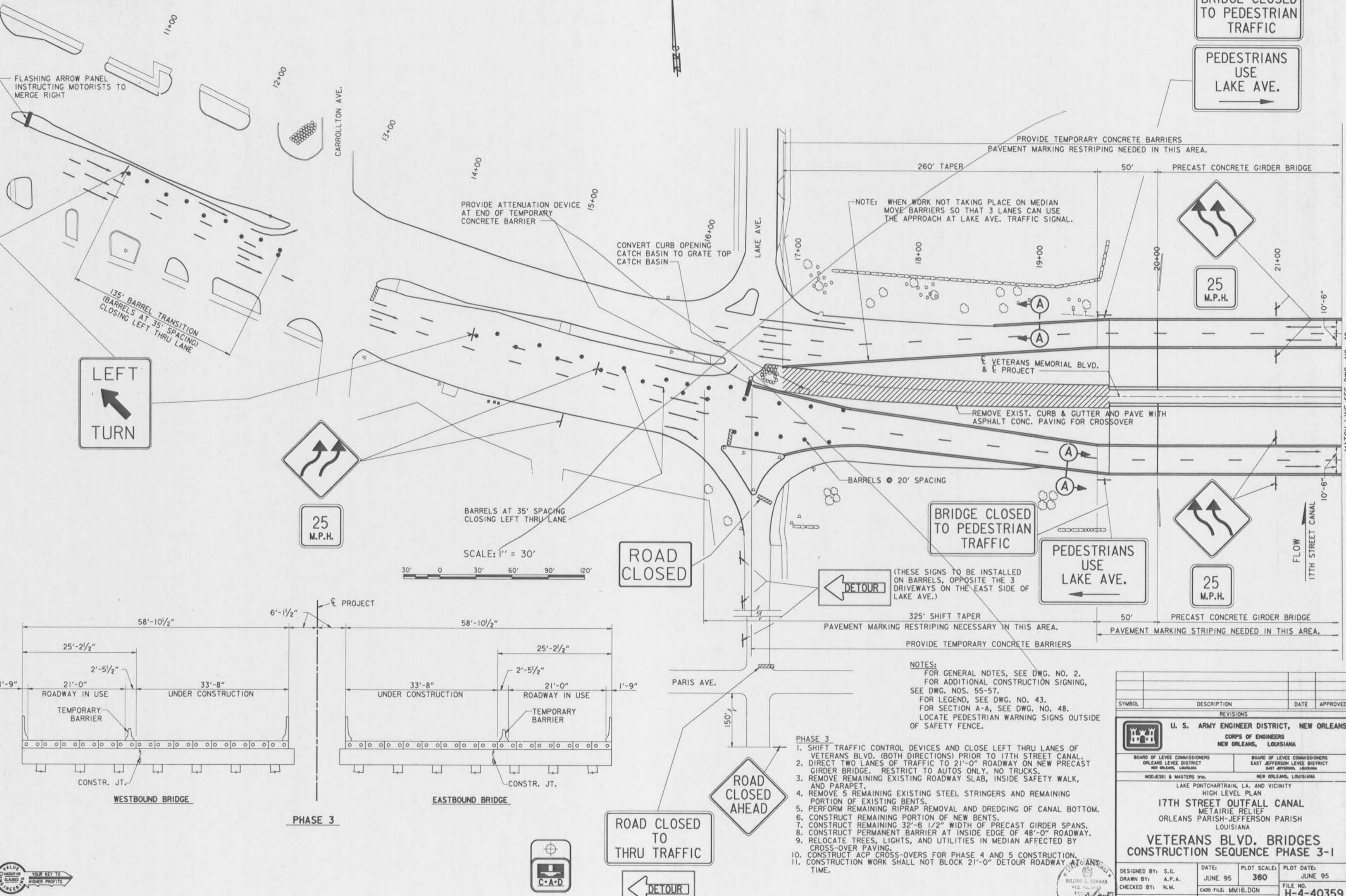


SECTION A-A
SCALE: 1/4" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEL COMMISSIONERS ORLEANS LEVEL DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEL COMMISSIONERS EAST JEFFERSON LEVEL DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESI & MASTERS, INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 3-2			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 380	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM17.DGN	FILE NO.: H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 48 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			



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NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR ADDITIONAL CONSTRUCTION SIGNING, SEE DWG. NOS. 55-57.
FOR LEGEND, SEE DWG. NO. 43.
FOR SECTION A-A, SEE DWG. NO. 48.
LOCATE PEDESTRIAN WARNING SIGNS OUTSIDE OF SAFETY FENCE.

- PHASE 3**
1. SHIFT TRAFFIC CONTROL DEVICES AND CLOSE LEFT THRU LANES OF VETERANS BLVD. (BOTH DIRECTIONS) PRIOR TO 17TH STREET CANAL.
 2. DIRECT TWO LANES OF TRAFFIC TO 21'-0" ROADWAY ON NEW PRECAST GIRDER BRIDGE. RESTRICT TO AUTOS ONLY. NO TRUCKS.
 3. REMOVE REMAINING EXISTING ROADWAY SLAB, INSIDE SAFETY WALK, AND PARAPET.
 4. REMOVE 5 REMAINING EXISTING STEEL STRINGERS AND REMAINING PORTION OF EXISTING BENTS.
 5. PERFORM REMAINING RIPRAP REMOVAL AND DREDGING OF CANAL BOTTOM.
 6. CONSTRUCT REMAINING PORTION OF NEW BENTS.
 7. CONSTRUCT REMAINING 32'-6 1/2" WIDTH OF PRECAST GIRDER SPANS.
 8. CONSTRUCT PERMANENT BARRIER AT INSIDE EDGE OF 48'-0" ROADWAY.
 9. RELOCATE TREES, LIGHTS, AND UTILITIES IN MEDIAN AFFECTED BY CROSS-OVER PAVING.
 10. CONSTRUCT ACP CROSS-OVERS FOR PHASE 4 AND 5 CONSTRUCTION.
 11. CONSTRUCTION WORK SHALL NOT BLOCK 21'-0" DETOUR ROADWAY AT ANY TIME.

SYMBOL	DESCRIPTION	DATE	APPROVED
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REVISIONS	
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U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS INC.
NEW ORLEANS, LOUISIANA

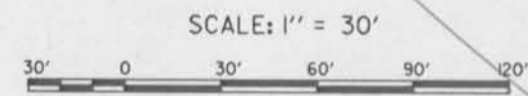
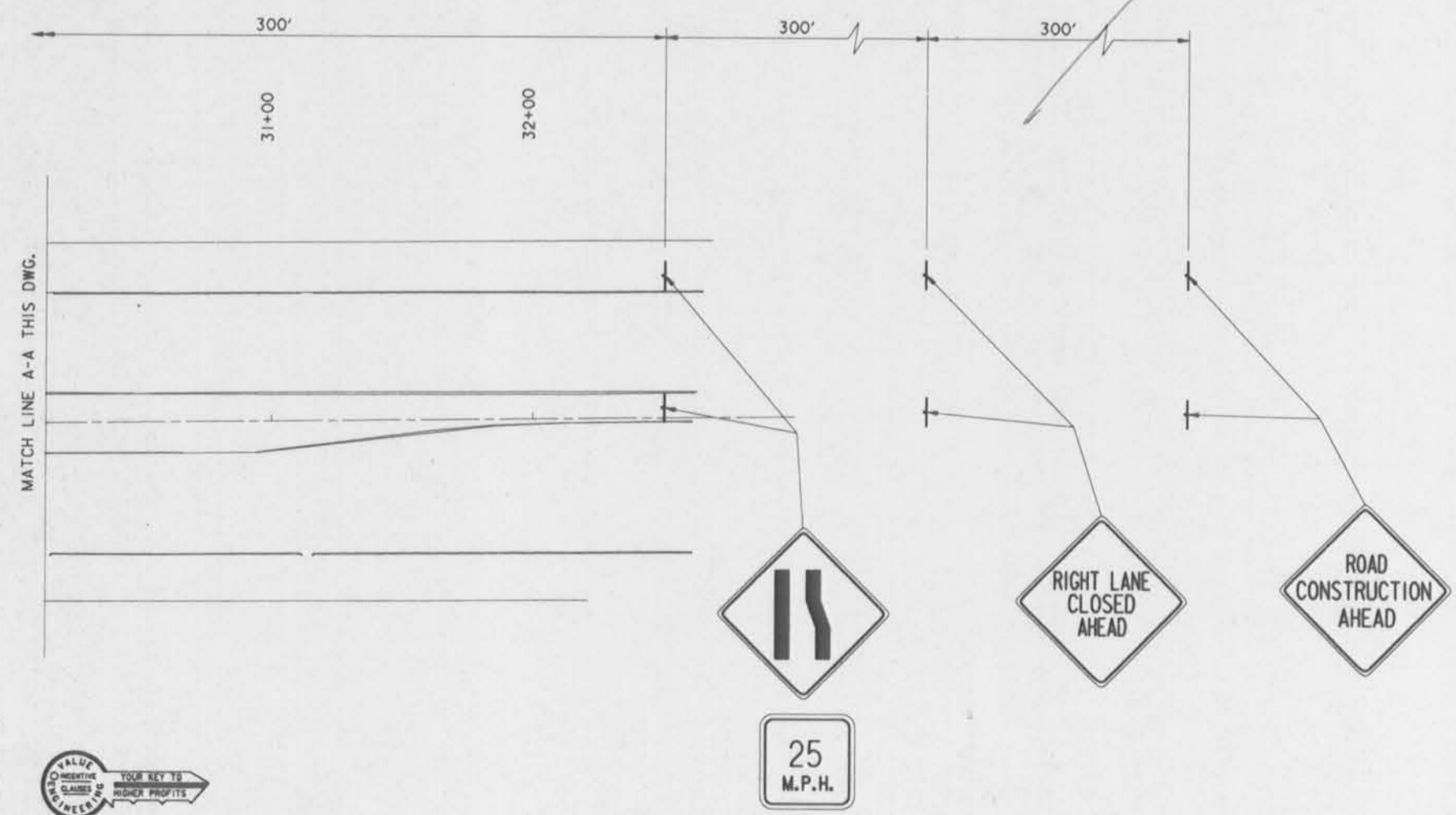
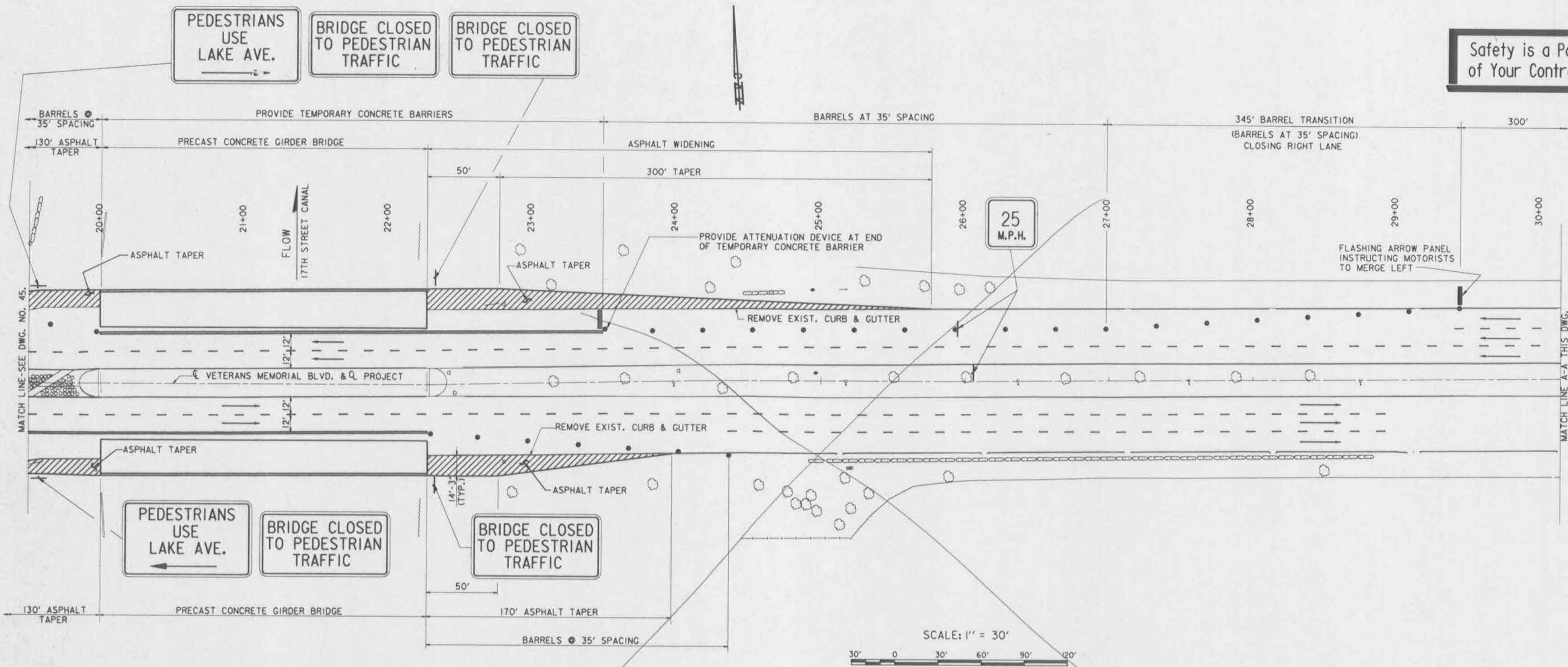
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

VETERANS BLVD. BRIDGES
CONSTRUCTION SEQUENCE PHASE 3-1

DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	FILE NO. H-4-40359	
SUBMITTED BY: W.B. CONWAY	DESIGN ENGINEER	CADD FILE: MM18.DGN	SOLICITATION NO. DACW29-95-B-0095
			DWG. 47 OF 79



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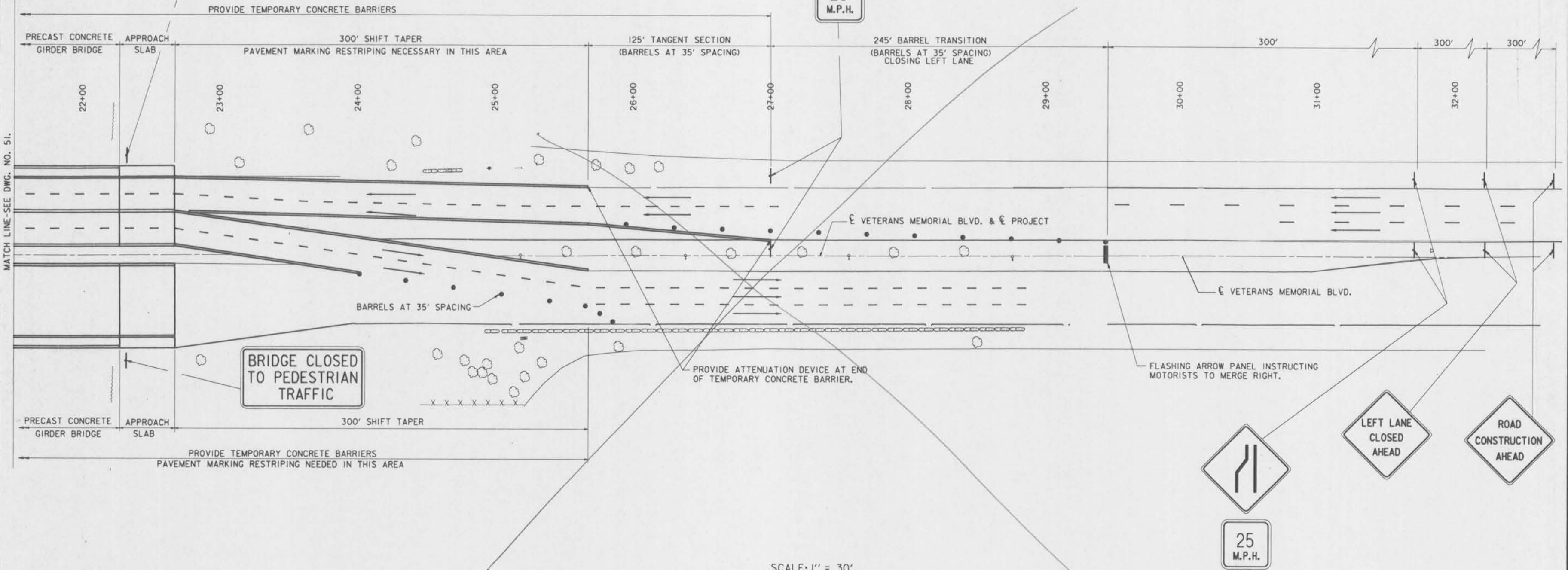
NOTES:
FOR NOTES PERTAINING TO THIS SHEET,
SEE DWG. NO. 45.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 2-2			
DESIGNED BY: S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM15.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 46 OF 79

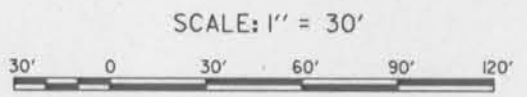


Safety is a Part of Your Contract

BRIDGE CLOSED TO PEDESTRIAN TRAFFIC



MATCH LINE-SEE DWG. NO. 51.

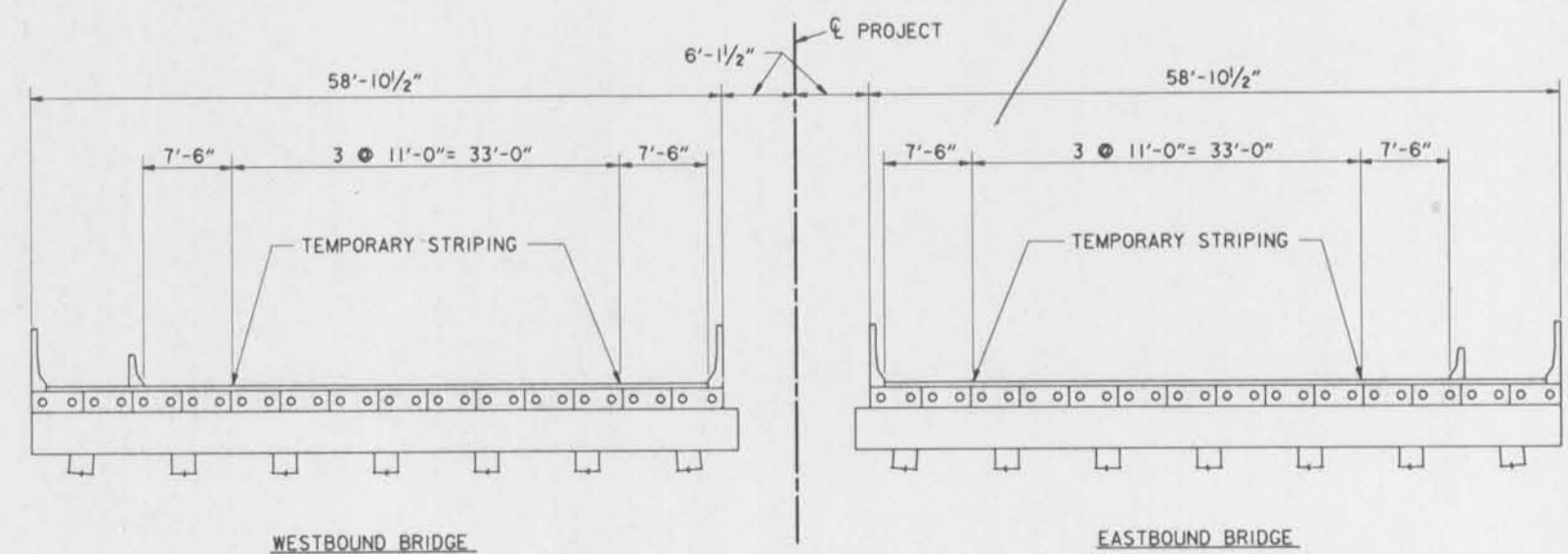
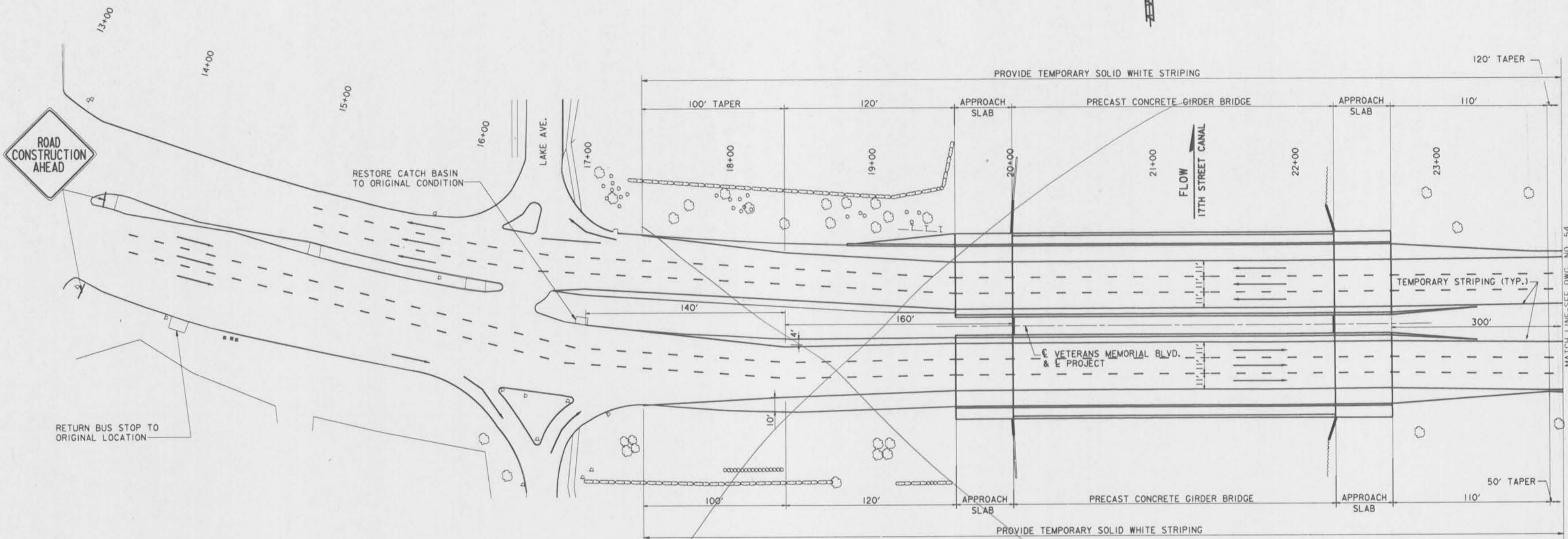


NOTES:
FOR NOTES PERTAINING TO THIS DWG.,
SEE DWG. NO. 51.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEEVE COMMISSIONERS ORLEANS LEEVE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEEVE COMMISSIONERS EAST JEFFERSON LEEVE DISTRICT EAST JEFFERSON, LOUISIANA	
MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 5-2			
DESIGNED BY: N.M./S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM21.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095		
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER		DWG. 52 OF 79	



Safety is a Part of Your Contract



PHASE 6

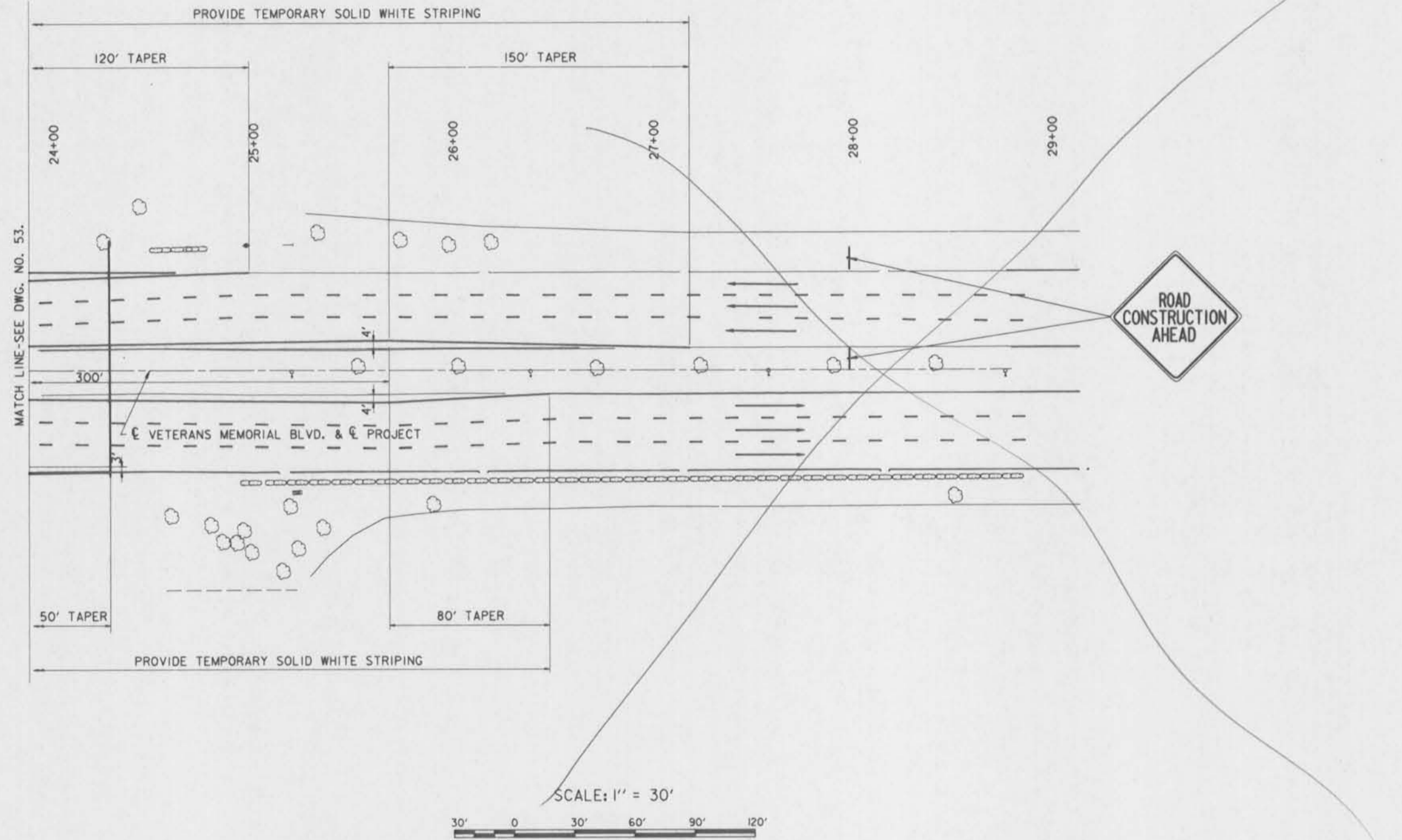
NOTES:
 1. FOR GENERAL NOTES, SEE DWG. NO. 2.
 2. FOR ADDITIONAL CONSTRUCTION SIGNING, SEE DWG. NOS. 55-57.
 3. FOR LEGEND, SEE DWG. NO. 43.
 4. REQUIRED LANDSCAPING NOT SHOWN ON THIS SHEET. FOR DETAILS, SEE DWG. NOS. 58-59.

- PHASE 6
- RESTORE THREE LANES OF TRAFFIC TO BOTH BRIDGES. RESTRICT TRAFFIC FLOW TO 33'-0" ROADWAY.
 - REMOVE RESTRICTIONS ON TRUCK TRAFFIC.
 - RESTORE BUS STOP TO ORIGINAL LOCATION (BY OTHERS).
 - COMPLETE CONSTRUCTION OF CURBS AND GUTTERS, MISC. ACP PAVING, RESTORATION OF MEDIANS, AND ANY OTHER REQUIRED INCIDENTAL CONSTRUCTION ITEMS. USE FLAGMEN AS REQUIRED.
 - INSTALL PERMANENT ROADWAY MARKINGS.
 - RESTORE MEDIAN VEGETATION, LIGHTS, AND UTILITIES.
 - CONSTRUCT FLOODWALL TIES AND GATES AT BRIDGE ENDS AND BETWEEN BRIDGES.
 - REMOVE TEMPORARY CONSTRUCTION SIGNING.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MOLESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 6-1			
DESIGNED BY: N.M./S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM22.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095		
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	DWG. 53 OF 79		



Safety is a Part
of Your Contract

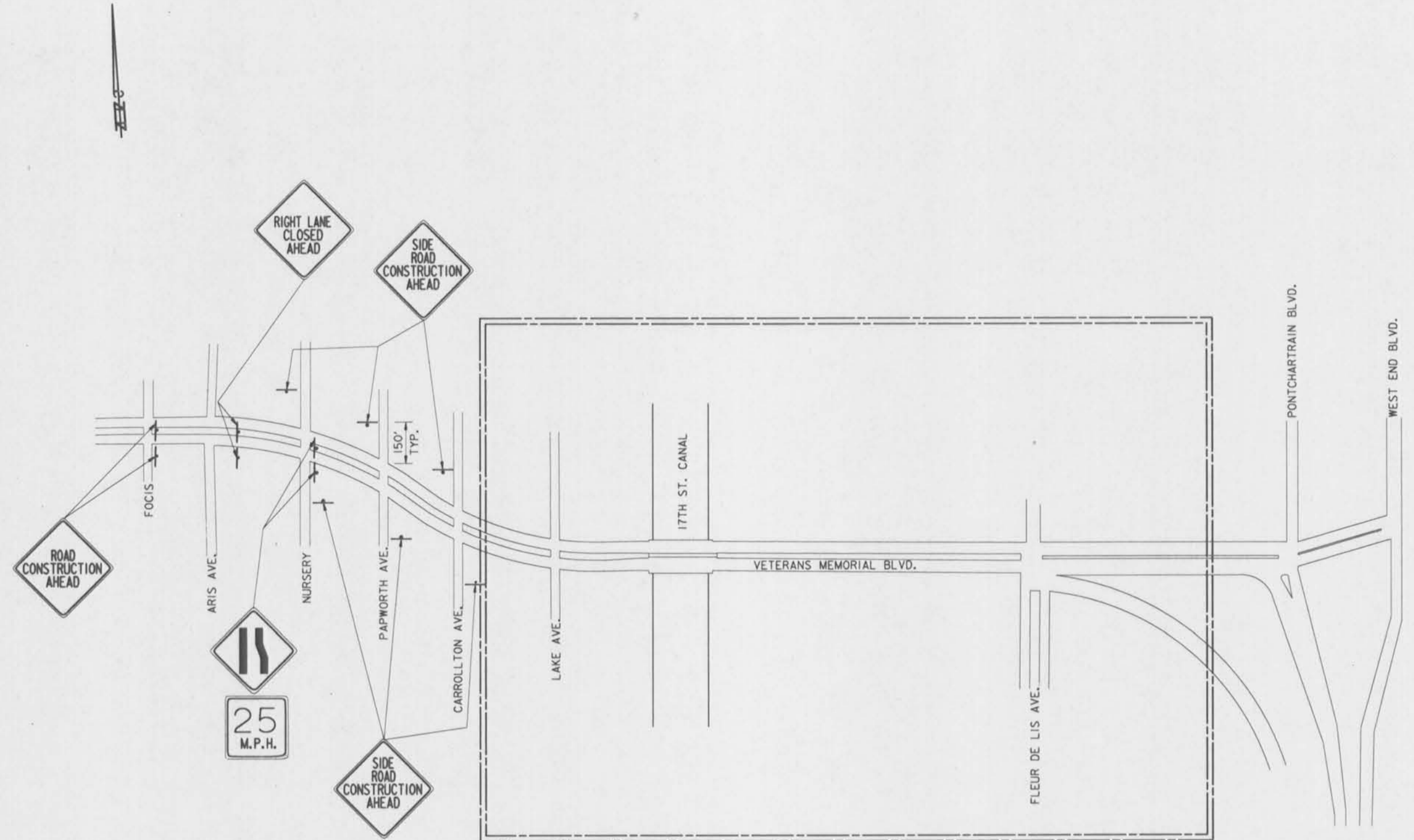


NOTES:
FOR NOTES PERTAINING TO THIS DWG., SEE
DWG. NO. 53.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST ORLEANS, LOUISIANA	
MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SEQUENCE PHASE 6-2			
DESIGNED BY: N.M./S.G.	DATE: JUNE 95	PLOT SCALE: 360	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM23.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 54 OF 79






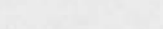



Safety is a Part of Your Contract

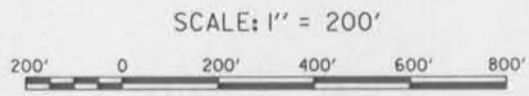



FOR SIGNING IN CONSTRUCTION ZONE, SEE CONSTRUCTION SEQUENCE DWGS.

NOTES:
FOR NOTES PERTAINING TO THIS DWG., SEE DWG. NO. 42.

LEGEND:

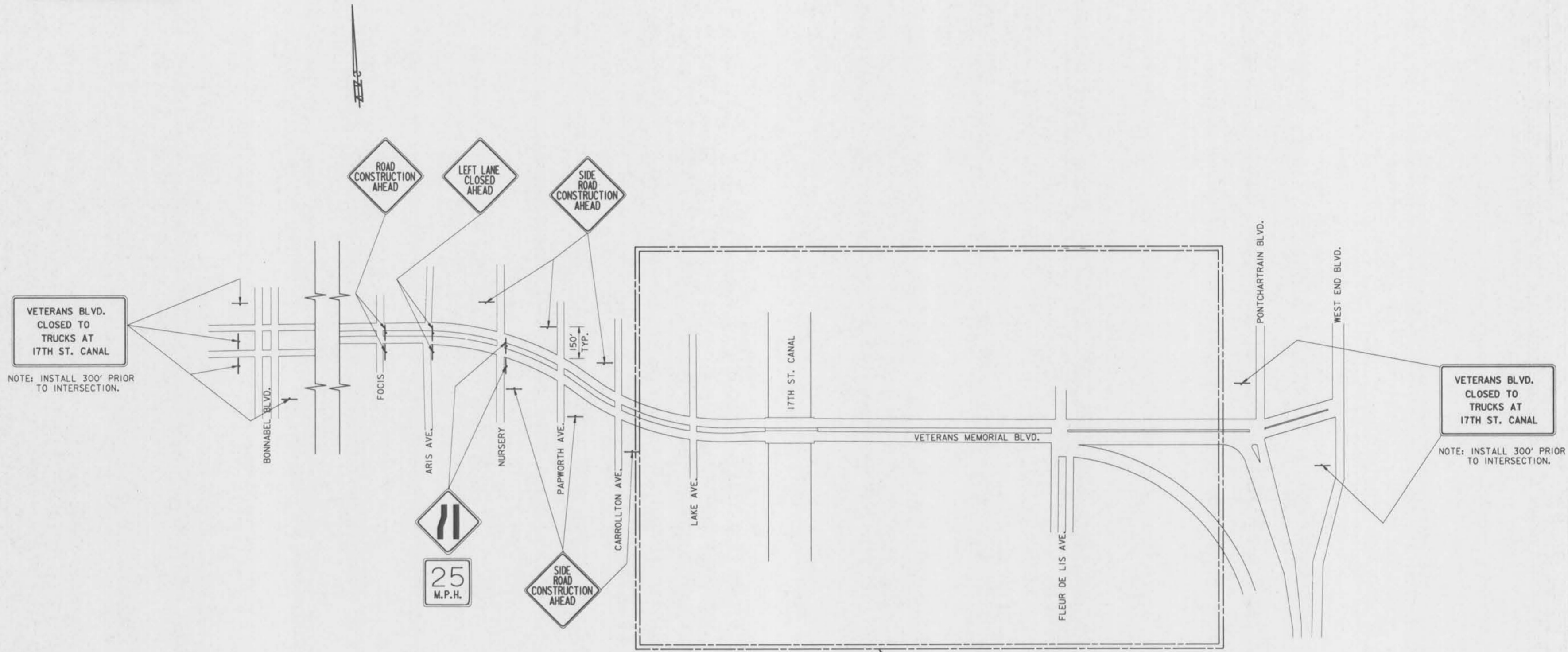
-  -- TEMPORARY CONCRETE BARRIER
-  -- TYPE III BARRICADE
-  -- TRAFFIC SIGN
-  -- TEMPORARY DASHED WHITE STRIPING(4" WIDE) 10' LINE, 30' SKIP PATTERN
-  -- SOLID WHITE STRIPING(4" WIDE)
-  -- FLASHING ARROW PANEL
-  -- TRAFFIC BARREL



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST ORLEANS, LOUISIANA	
MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES CONSTRUCTION SIGNING-PHASES 1 & 2			
DESIGNED BY: N.M./S.G.	DATE: JUNE 95	PLOT SCALE: 2400	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM55.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 55 OF 79



Safety is a Part of Your Contract



VETERANS BLVD.
CLOSED TO
TRUCKS AT
17TH ST. CANAL

NOTE: INSTALL 300' PRIOR
TO INTERSECTION.

VETERANS BLVD.
CLOSED TO
TRUCKS AT
17TH ST. CANAL

NOTE: INSTALL 300' PRIOR
TO INTERSECTION.

FOR SIGNING IN CONSTRUCTION ZONE,
SEE CONSTRUCTION SEQUENCE DWGS.

NOTES:
FOR NOTES PERTAINING TO THIS DWG.,
SEE DWG. NO. 42.

SCALE: 1" = 200'



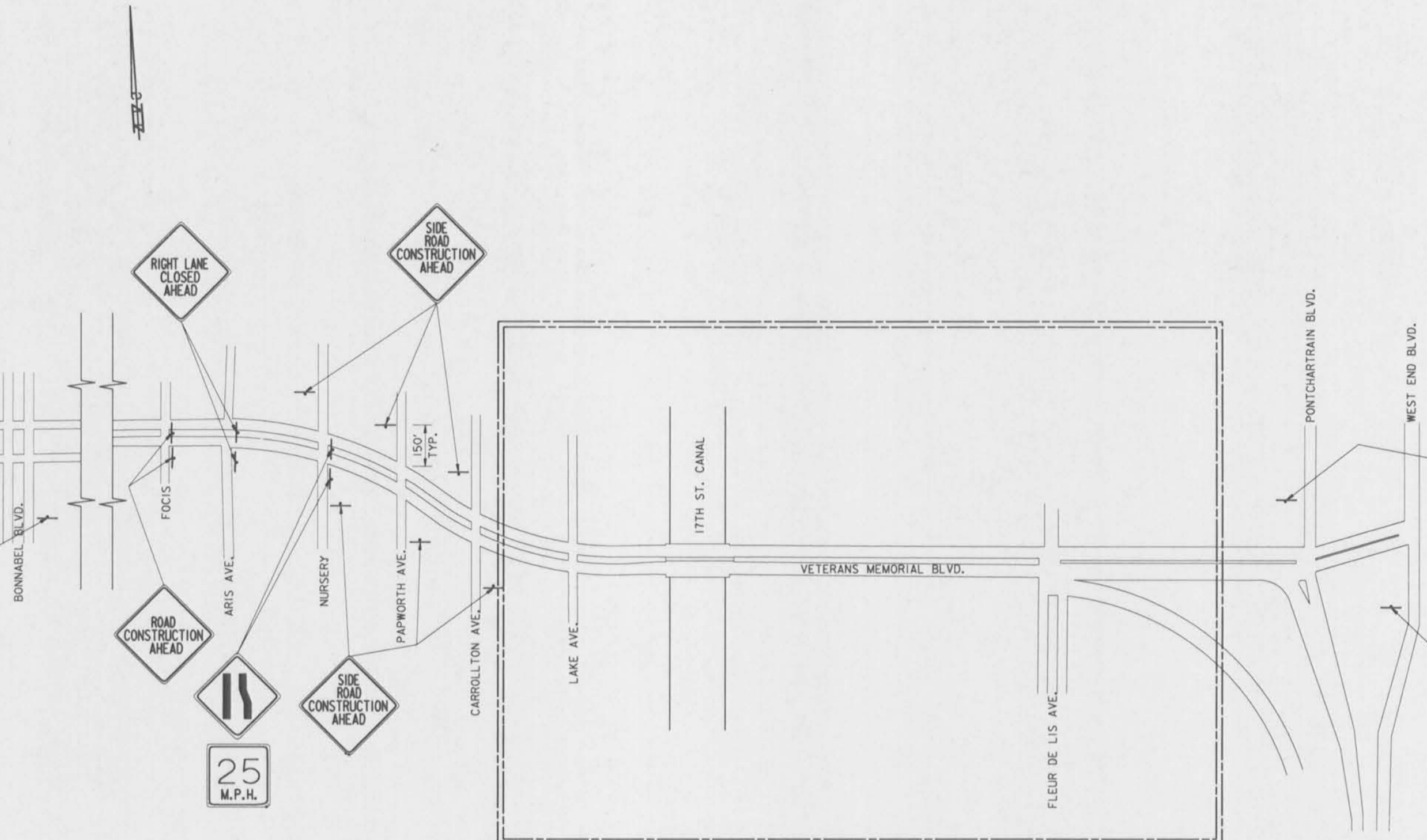
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA		NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SIGNING-PHASES 3 & 4			
DESIGNED BY: N.M./S.G.	DATE: JUNE 95	PLOT SCALE: 2400	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MMS6.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW23-95-B-0095	DWG. 56 OF 79



Safety is a Part of Your Contract

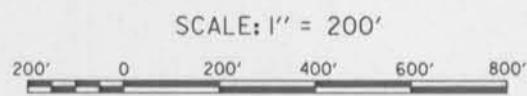
VETERANS BLVD.
CLOSED TO
TRUCKS AT
17TH ST. CANAL

NOTE: INSTALL 300' PRIOR
TO INTERSECTION.



VETERANS BLVD.
CLOSED TO
TRUCKS AT
17TH ST. CANAL

NOTE: INSTALL 300' PRIOR
TO INTERSECTION.



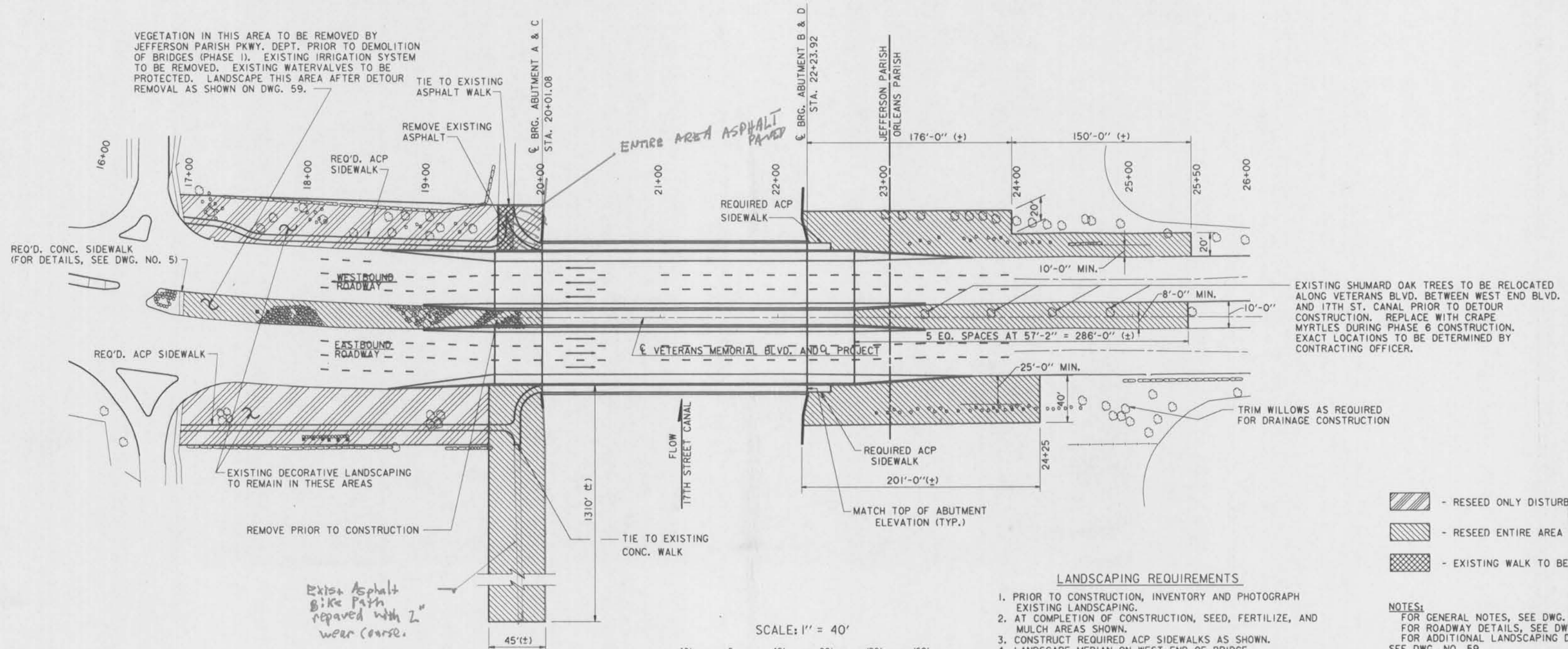
FOR SIGNING IN CONSTRUCTION ZONE,
SEE CONSTRUCTION SEQUENCE DWGS.

NOTES:
FOR NOTES PERTAINING TO THIS DWG.,
SEE DWG. NO. 42.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEEVEE COMMISSIONERS ORLEANS LEEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEEVEE COMMISSIONERS EAST JEFFERSON LEEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
WOLJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES CONSTRUCTION SIGNING-PHASE 5			
DESIGNED BY: N.M./S.G.	DATE: JUNE 95	PLOT SCALE: 2400	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CARD FILE: MM57.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 57 OF 79



Safety is a Part of Your Contract



- RESEED ONLY DISTURBED AREA
- RESEED ENTIRE AREA
- EXISTING WALK TO BE REMOVED

LANDSCAPING REQUIREMENTS

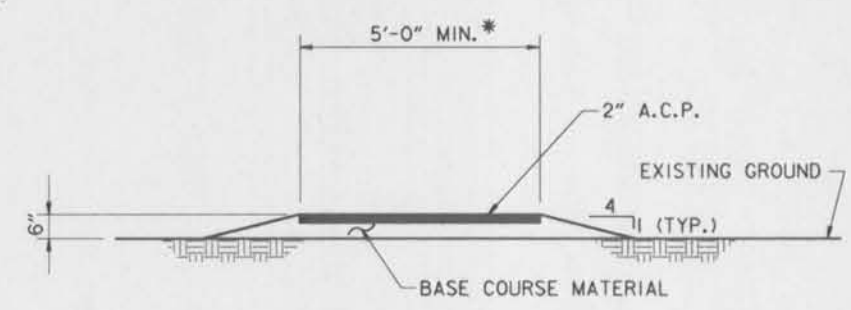
1. PRIOR TO CONSTRUCTION, INVENTORY AND PHOTOGRAPH EXISTING LANDSCAPING.
2. AT COMPLETION OF CONSTRUCTION, SEED, FERTILIZE, AND MULCH AREAS SHOWN.
3. CONSTRUCT REQUIRED ACP SIDEWALKS AS SHOWN.
4. LANDSCAPE MEDIAN ON WEST END OF BRIDGE.
5. PROTECT SHRUBBERY, SIGN, AND LIGHTING SYSTEM FOR STEWART ENTERPRISES BUILDING THROUGHOUT PROJECT. PROTECT LANDSCAPING ADJACENT TO HERITAGE PLAZA BUILDING THROUGHOUT CONSTRUCTION. PROTECT TREES ADJACENT TO CONSTRUCTION AREA WITH BARRICADES.
6. REPLACE TREES AS SHOWN ON TREE REPLACEMENT SCHEDULE.

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR ROADWAY DETAILS, SEE DWG. NO. 5.
 FOR ADDITIONAL LANDSCAPING DETAILS, SEE DWG. NO. 59.
 FOR TREE REMOVAL REQUIREMENTS, SEE DWG. NO. 61.
 TREE LOCATIONS IN LADOTD RIGHT-OF-WAY SHALL CONFORM TO THE LADOTD LANDSCAPING POLICY.

TREE REPLACEMENT SCHEDULE
(EAST OF 17TH ST. CANAL)

TYPE	NO. REQ'D.	CALIPER	HEIGHT
CRAPPE MYRTLE (LAGERSTROEMIA INDICA TUSKEGEE)	8	**	10'-12'
SHUMARD OAK (QUERCUS SHUMARDII)	8	3"	12'-15'
SPRUCE PINE (PINUS GLABRA)	72	2"-2 1/2"	10'-12'

* - LOCATE IN ORLEANS PARISH ALONG VETERANS BLVD. BETWEEN WEST END BLVD. AND 17TH ST. CANAL. EXACT LOCATIONS TO BE DETERMINED BY CONTRACTING OFFICER.
 ** - MULTIPLE TRUNKED (3 MIN., 5 MAX.) EACH TRUNK MUST BE 1 1/2" MIN. DIAMETER AT 4'-6" ABOVE GROUND.

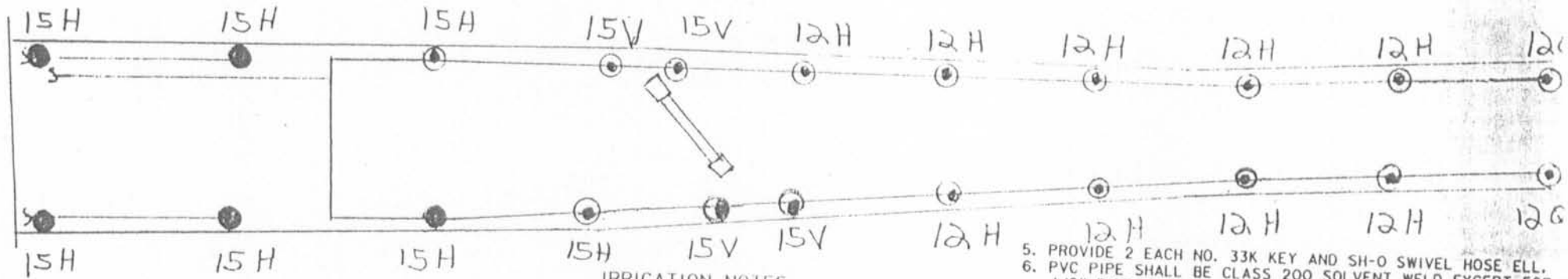


TYPICAL SIDEWALK SECTION
SCALE: 1" = 1'-0"

* 44 Placed on 80' RT.
 28 Placed on 65' LT.
 * - 7'-0" WIDTH AT BRIDGE ENDS. TAPER TO TYPICAL WIDTH OVER 20'-0" MIN. LENGTH.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES LANDSCAPING PLAN-1			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 480	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM45.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SOLICITATION NO. DACW29-95-B-0095	DWG. 58 OF 79	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER			

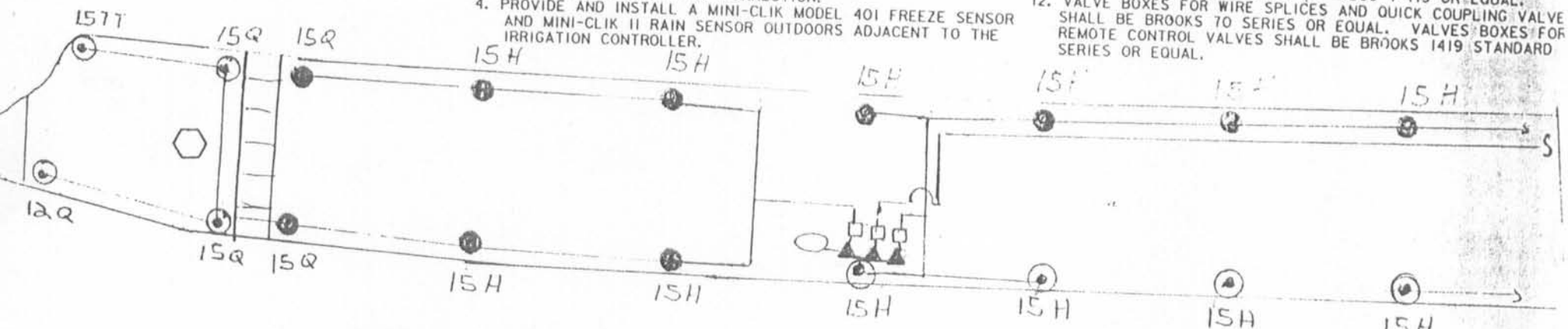




IRRIGATION NOTES:

1. PIPING IS DIAGRAMMATIC - AVOID CONFLICTS WITH EXISTING AND PROPOSED PLANT MATERIAL LOCATIONS.
2. HEAD LAYOUT IS APPROX. - ADJUST TO PROVIDE 100% COVERAGE.
3. SYSTEM DESIGN IS BASED ON A STATIC WATER PRESSURE OF 50 PSI AT THE POINT OF CONNECTION.
4. PROVIDE AND INSTALL A MINI-CLIK MODEL 401 FREEZE SENSOR AND MINI-CLIK II RAIN SENSOR OUTDOORS ADJACENT TO THE IRRIGATION CONTROLLER.

5. PROVIDE 2 EACH NO. 33K KEY AND SH-O SWIVEL HOSE ELL.
6. PVC PIPE SHALL BE CLASS 200 SOLVENT WELD EXCEPT FOR 1/2" PIPE WHICH SHALL BE CLASS 315.
7. PVC FITTINGS SHALL BE SCHEDULE 40 SOLVENT WELD.
8. PVC FLEX RISERS SHALL BE "EXCALIBUR" OR EQUAL.
9. CONTROL WIRE FOR REMOTE CONTROL VALVES SHALL BE MINIMUM 14 GAUGE WITH TYPE UF INSULATION.
10. WIRE CONNECTORS SHALL BE RAINBIRD SR-4L OR EQUAL.
11. BRONZE GATE VALVES SHALL BE NIBCO T-113 OR EQUAL.
12. VALVE BOXES FOR WIRE SPLICES AND QUICK COUPLING VALVE SHALL BE BROOKS TO SERIES OR EQUAL. VALVE BOXES FOR REMOTE CONTROL VALVES SHALL BE BROOKS 1419 STANDARD SERIES OR EQUAL.



IRRIGATION LEGEND:

SYMBOL	MODEL AND DESCRIPTION
⊙	RAINBIRD 1812 POP-UP SPRAY NOZZLE PATTERN AS SHOWN
●	RAINBIRD 1804 POP-UP SPRAY
→	RAINBIRD PE 100 SERIES SOLENOID VALVE
—	CLASS 200 PVC 1"
⊠	RAINBIRD AVB 100 1" ATMOSPHERIC VACUUM BREAKER
—	ELECTRIC CONTROL WIRE 4 CONDUCTOR MIN.
⬢	RAINBIRD ESP 4 WEATHERPROOF ELECTRIC CONTROLLER
15:H	INDICATES NOZZLE PATTERN FOR EXAMPLE, 15' RADIUS, HALF SPRAY PATTERN
Q	QUARTER
F	FULL
TT	TWO-THIRDS
VAR	VARIABLE

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MOJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

VETERANS BLVD. BRIDGES LANDSCAPING PLAN-2

DESIGNED BY: S.J.R.	DATE: JUNE 95	PLOT SCALE: 96	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM46.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO.	



WINSTON CHARVET
President

COMPLETE LANDSCAPING
& IRRIGATION
COMMERCIAL & RESIDENTIAL

504-835-7700

123 METAIRIE RD. METAIRIE, LOUISIANA 70005



STATE PLUMBING BOARD
OF LOUISIANA

MASTER PLUMBER
This certifies that

LICENSE NO. 1216

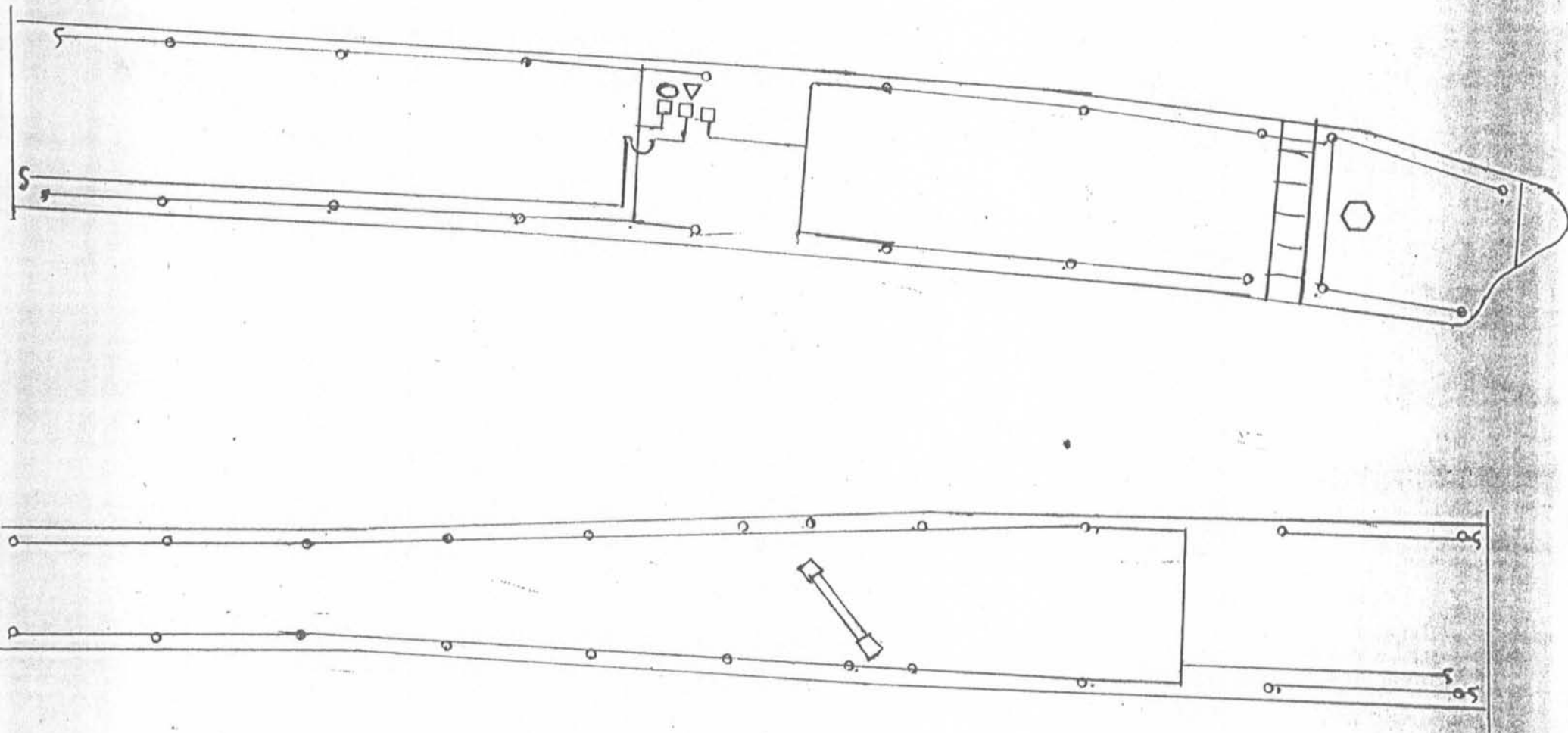
Winston Douglas Charvet
4511 Clearview Parkway
Metairie, LA 70006
Charvet's Garden Center,

MASTER

SIGNATURE

HAS BEEN DULY LICENSED BY THE STATE PLUMBING BOARD OF LOUISIANA IN ACCORDANCE WITH LA. R.S. 37:1591-1593 AND IS COMPETENT TO PERFORM WORK AS A JOURNEYMAN PLUMBER. THIS CERTIFICATE EXPIRES DECEMBER 31, 1997 UNLESS OTHERWISE CANCELLED OR REVOKED FOR CAUSE PRIOR THERETO, AND MUST BE CARRIED ON THE PERSON OF LICENSEE.

ROBERT W. ROLSTON, Secty-Treas.



Model 720A

Pressure Vacuum Breaker

sizes: 1/2", 3/4", 1", 1 1/4", 1 1/2" & 2"

ZURN/WILKINS

BASIC INSTALLATION INSTRUCTIONS

CAUTION: Installation of Pressure Vacuum breakers must be performed by qualified, licensed personnel. Faulty installation could result in an improperly functioning device.

The installer should be sure the proper device has been selected for the particular installation.

WILKINS Model 720A Pressure Vacuum Breakers are for use on potable water lines where a health hazard could exist if a backsiphonage situation were to occur. They must not be installed where backpressure may occur.

Proper performance depends upon following these installation instructions and prevailing governmental and industry standards and codes. Failure to do so releases WILKINS of any liability that it might otherwise have with respect of that device. Such failure could also result in an improperly functioning device.

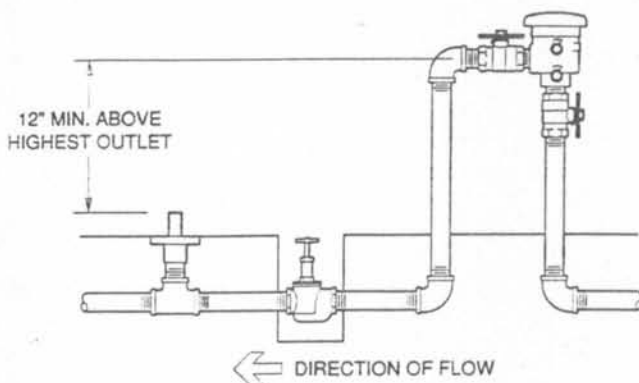


Fig 1

INSTALLING THE MODEL 720A

1. Before installing the WILKINS Model 720A Pressure Vacuum Breaker, flush the lines thoroughly to remove all debris, chips and other foreign matter.
2. The Model 720A must be installed in a vertical position (see Fig. 1) to provide proper operation of the air inlet valve.
3. Provide adequate space around the installed unit so that the test cocks will be accessible for testing and servicing.
4. If installation of a Model 720A unit is in a building, provide a suitable drain arrangement to drain off spillage from the air vent.
5. Install valve at least 12 inches above the highest piping or water outlet downstream of the Model 720A Pressure Vacuum Breaker.
6. Always consult local codes for installation methods, approvals and guidance.

OUTDOOR INSTALLATION

The Model 720A Pressure Vacuum Breaker may be installed outdoors only if the device is protected against any freezing conditions. Warning: Do not block air vent opening with insulation. Exposure to freezing conditions will result in improper function or damage to the device. The installation location must be kept above 32°F. All the basic installation instructions apply. For freeze protection instructions, request document #IS720AFP.

INDOOR INSTALLATION

Indoor installation is preferred in areas that are subject to freezing conditions. All the basic installation instructions apply to such installations.

PLACING THE DEVICE IN SERVICE

After the installation of a Model 720A Pressure Vacuum Breaker has been completed, place the unit in service as follows:

1. Start with both shut-off valves closed. Open the inlet shut-off valve until the backflow preventer is completely pressurized.
2. A brief discharge from the air vent may occur while the device is pressurizing. The discharge should cease by the time the shut-off valve is in the full open position.
3. If the discharge does not stop, refer to "MAINTENANCE INSTRUCTIONS". Repressurize device as in Step 1. Device should function properly.
4. Slowly open the No. 2 shut-off valve. The Model 720A Pressure Vacuum Breaker is now in service.
5. After the Model 720A has been properly installed, test the device. If the device fails the test, refer to "MAINTENANCE INSTRUCTIONS".

WARRANTY: WILKINS Pressure Vacuum Breakers are guaranteed against defects of material or workmanship when used for the services recommended. If in any recommended service a defect develops due to material or workmanship, and the PVB is returned, freight prepaid, to WILKINS within 12 months from date of shipment from our factory, it will be repaired or replaced free of charge. WILKINS' liability shall be limited to our agreement to repair or replace the PVB only.

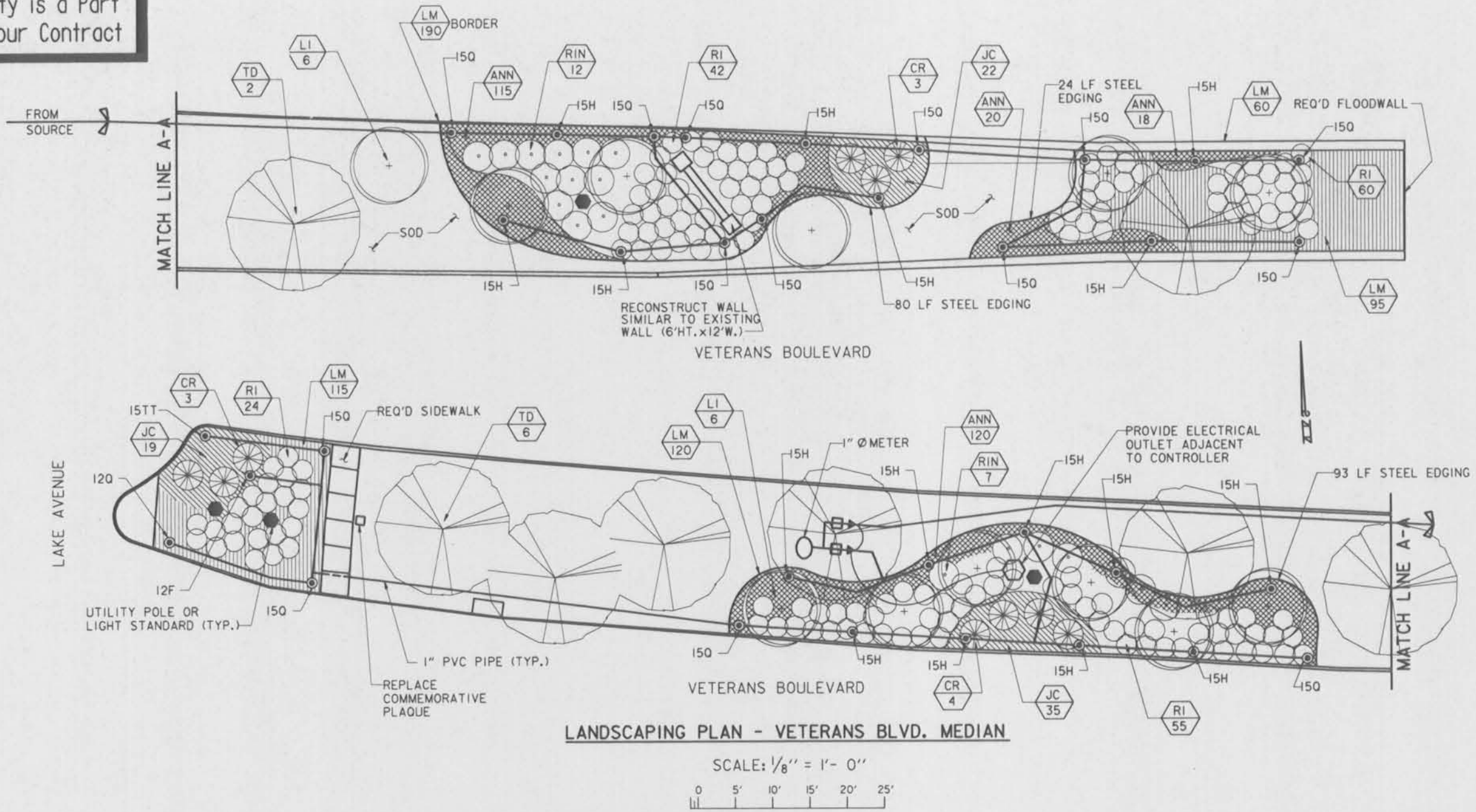
Most sources of drinking water contain some amount of lead. Due to the fact that bronze plumbing products contain detectable amounts of lead and other materials, the State of California requires the following notice: "WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm."

IS720A (REV. 5/97)

ZURN INDUSTRIES, INC., WILKINS DIVISION

1747 Commerce Way, Paso Robles, CA 93446 Phone: (805)238-7100 Fax: (805)238-5831

Safety is a Part of Your Contract



* See Attached for changes to irrigation system.

* Revised irrigation system.

IRRIGATION LEGEND:

SYMBOL	MODEL AND DESCRIPTION
⊙	RAINBIRD 1812 POP-UP SPRAY NOZZLE PATTERN AS SHOWN
— —	RAINBIRD PE 100 SERIES SOLENOID VALVE
— —	CLASS 200 PVC 1" <i>Pressure</i>
⊕	RAINBIRD AVB 100 1" ATMOSPHERIC VACUUM BREAKER
— —	ELECTRIC CONTROL WIRE 4 CONDUCTOR MIN.
⊕	RAINBIRD ESP 4 WEATHERPROOF ELECTRIC CONTROLLER
15 H	INDICATES NOZZLE PATTERN FOR EXAMPLE, 15' RADIUS, HALF SPRAY PATTERN
Q	QUARTER
F	FULL
TT	TWO-THIRDS
VAR	VARIABLE

IRRIGATION NOTES:

1. PIPING IS DIAGRAMMATIC - AVOID CONFLICTS WITH EXISTING AND PROPOSED PLANT MATERIAL LOCATIONS.
2. HEAD LAYOUT IS APPROX. - ADJUST TO PROVIDE 100% COVERAGE.
3. SYSTEM DESIGN IS BASED ON A STATIC WATER PRESSURE OF 50 PSI AT THE POINT OF CONNECTION.
4. PROVIDE AND INSTALL A MINI-CLIK MODEL 401 FREEZE SENSOR AND MINI-CLIK II RAIN SENSOR OUTDOORS ADJACENT TO THE IRRIGATION CONTROLLER.
5. PROVIDE 2 EACH NO. 33K KEY AND SH-O SWIVEL HOSE ELL.
6. PVC PIPE SHALL BE CLASS 200 SOLVENT WELD EXCEPT FOR 1/2" PIPE WHICH SHALL BE CLASS 315.
7. PVC FITTINGS SHALL BE SCHEDULE 40 SOLVENT WELD.
8. PVC FLEX RISERS SHALL BE "EXCALIBUR" OR EQUAL.
9. CONTROL WIRE FOR REMOTE CONTROL VALVES SHALL BE MINIMUM 14 GAUGE WITH TYPE UF INSULATION.
10. WIRE CONNECTORS SHALL BE RAINBIRD SR-4L OR EQUAL.
11. BRONZE GATE VALVES SHALL BE NIBCO T-113 OR EQUAL.
12. VALVE BOXES FOR WIRE SPLICES AND QUICK COUPLING VALVES SHALL BE BROOKS 70 SERIES OR EQUAL. VALVE BOXES FOR REMOTE CONTROL VALVES SHALL BE BROOKS 1419 STANDARD SERIES OR EQUAL.

LANDSCAPING LEGEND - VETERANS BLVD. MEDIAN:

KEY	QNTY	BOTANICAL DESCRIPTION	COMMON NAME	SIZE/REMARKS
TD	8	TAXODIUM DISTICHUM	BALD CYPRESS	10'-12' HEIGHT ✓
LI	12	LAGERSTROEMIA INDICA 'NATCHEZ WHITE'	CRAPE MYRTLE	8'-10' HEIGHT
RIN	19	RHODODENDRON INDICUM 'RED FORMOSA'	INDICA AZALEA	3 GAL.
CR	10	CYCAS REVOLUTA	SAGO PALM	10 GAL.
RI	155	RAPHIOLEPIS INDICA 'SNOW WHITE'	INDIAN HAWTHORN	3 GAL.
JC	76	JUNIPERUS CONFERTA 'BLUE PACIFIC'	SHORE JUNIPER	1 GAL.
LM	580	LIRIOPE MUSCARI	GREEN LIRIOPE	4"
ANN	273	ANNUAL COLOR		4"

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR ROADWAY DETAILS, SEE DWG. NO. 5.
 FOR ADDITIONAL LANDSCAPING DETAILS, SEE DWG. NO. 58.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 EAST JEFFERSON LEVEE DISTRICT
 EAST JEFFERSON, LOUISIANA

MODJESI & MASTERS INC. NEW ORLEANS, LOUISIANA

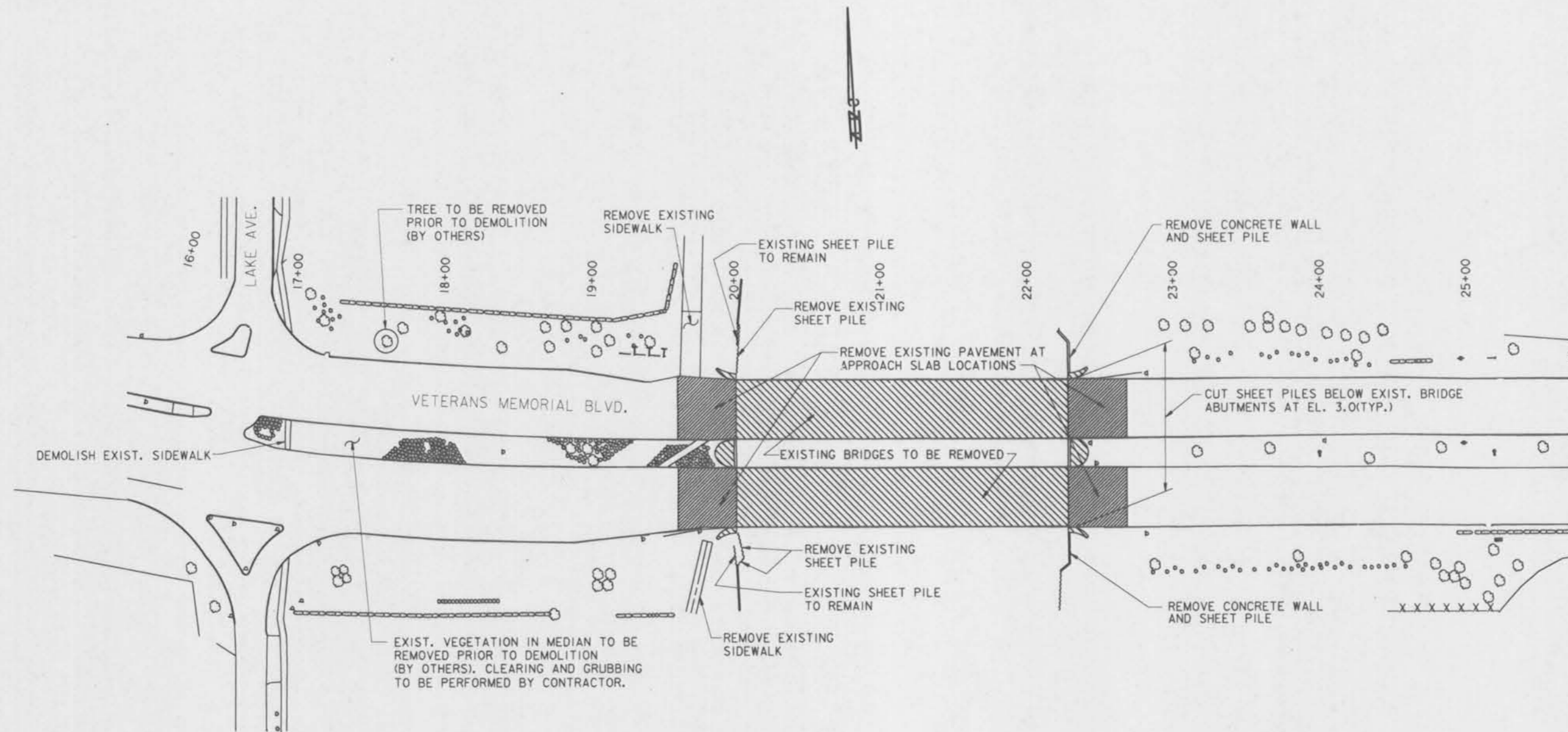
LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET OUTFALL CANAL
 METAIRIE RELIEF
 ORLEANS PARISH-JEFFERSON PARISH
 LOUISIANA

**VETERANS BLVD. BRIDGES
 LANDSCAPING PLAN-2**

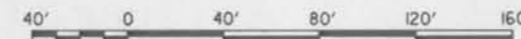
DESIGNED BY: S.J.R.	DATE: JUNE 95	PLOT SCALE: 96	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	CADD FILE: MM46.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 59 OF 79	



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SCALE: 1" = 40'



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR EXISTING BRIDGE PLAN, SEE DWG. NO. 62.
FOR CONSTRUCTION SEQUENCE PHASING, SEE
DWG. NOS. 43-54.

TREE REMOVAL SCHEDULE

TYPE	SIZE	NO.	LOCATION
SYCAMORE	24"	1	STA. 24+42, 78' LT.
PINE	3"-6"	14	STA. 23+10 TO 24+20, 65'(±) LT.
PINE	4"-9"	22	STA. 22+85 TO 24+10, 80'(±) RT.

DEMOLITION REQUIREMENTS *

- REMOVE EXISTING BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE. PULL EXISTING BRIDGE PPC PILING. CUT SHEET PILES BELOW EXIST. BRIDGE ABUTMENTS AT EL. 3.0.
- SAWCUT AND REMOVE EXISTING CURB AND GUTTER AS TABULATED.
- REMOVE EXISTING CONCRETE WALL ON EAST SIDE OF EXISTING BRIDGE.
- REMOVE EXISTING GUARDRAILS AT BRIDGE APPROACHES.
- REMOVE EXISTING PAVEMENT FROM STATIONS 19+60 TO 20+00 AND STATIONS 22+25 TO 22+65(E'BND. AND W'BND.)
- PERFORM TREE REMOVAL.
- PERFORM CLEARING AND GRUBBING.
- PERFORM DEMOLITION TO CONFORM TO CONSTRUCTION SEQUENCING REQUIREMENTS.

* DEMOLITION TO BE DONE IN PHASES.

CURB AND GUTTER DEMOLITION

LANES	GUTTER	STATIONS
W'BND	OUTSIDE	18 + 65 TO 19 + 50
W'BND	OUTSIDE	22 + 25 TO 25 + 75
W'BND	INSIDE	16 + 85 TO 20 + 00
W'BND	INSIDE	22 + 25 TO 25 + 90
E'BND	OUTSIDE	18 + 70 TO 19 + 80
E'BND	OUTSIDE	22 + 25 TO 23 + 95
E'BND	INSIDE	16 + 85 TO 20 + 00
E'BND	INSIDE	22 + 25 TO 25 + 90

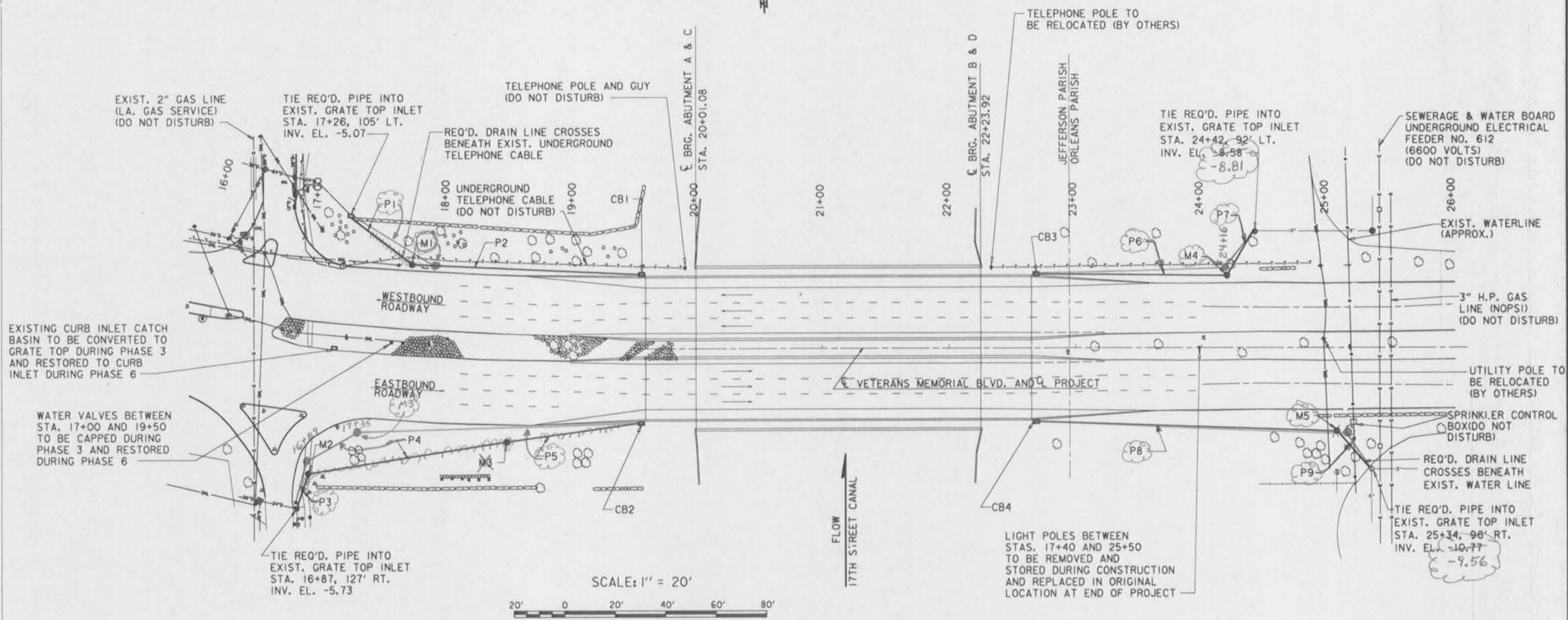


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA</small>	
<small>MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA</small>			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES DEMOLITION PLAN			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 480	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	CADD FILE: MM28.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 61 OF 79	

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LEGEND

SYMBOL	DESCRIPTION
⊕	GAS VALVE
⊖	WATER VALVE
⚡	POWER POLE
⊙	FIRE HYDRANT
⌛	SIGN
⚓	TRAFFIC SIGNAL
☑	TRAFFIC CONTROL BOX
⊙	LIGHT POLE
•	FENCE CORNER
-	GUY WIRE
☐	CATCH BASIN
⊕	DROP INLET
⊖	DROP INLET
=====	EXISTING DRAINAGE PIPE
⊕	TELEPHONE BOX
⊙	BUSH / FLOWERS
⊙	TREE
⊕	HEDGE
⊕	DRAIN MANHOLE
⊕	ELECTRICAL MANHOLE
⊕	SEWER MANHOLE
⊕	TELEPHONE MANHOLE
⊕	WATER MANHOLE
⊕	FLOOD LIGHTS
-	DRAIN LINE
-	GAS MAIN
-	SANITARY SEWER LINE
-	WATER MAIN
-	UNDERGROUND ELECTRICAL LINE
-	UNDERGROUND TELEPHONE LINE
-	FENCE LINE
-	OVERHEAD LINE



%REQUIRED UTILITY RELOCATION/MODIFICATION

ITEM	LOCATION	OWNER	REQUIRED ACTION
UTILITY POLE	STA. 24+96, 4' LT.	S.C.BELL	RELOCATE PRIOR TO DEMOLITION (BY OWNER)
LIGHT POLES	STA. 17+40 TO 20+00, MEDIAN	LP&L	DEENERGIZE (BY OWNER); REMOVE PRIOR TO DEMOLITION, STORE DURING CONSTRUCTION, & REPLACE AFTER RESTORATION OF MEDIAN (BY CONTRACTOR); REENERGIZE (BY OWNER)
LIGHT POLES	STA. 22+25 TO 25+50, MEDIAN	NOPSI	DEENERGIZE (BY OWNER); REMOVE PRIOR TO DEMOLITION, STORE DURING CONSTRUCTION, & REPLACE AFTER RESTORATION OF MEDIAN (BY CONTRACTOR); REENERGIZE (BY OWNER)
OVERHEAD TELEPHONE LINE AND POLES	STA. 19+90 TO 22+35, LEFT	S.C.BELL	RELOCATE (USING ADDITIONAL POLES) PRIOR TO DEMOLITION (BY OWNER)
DRAIN INLET	STA. 17+14, MEDIAN	J.P.P.W.	CONVERT TO GRATE TOP INLET DURING CONSTRUCTION PHASE 3. RESTORE TO CURB INLET DURING CONSTRUCTION PHASE 6. (BY CONTRACTOR)
WATER VALVES	STA. 17+40 TO 20+20, MEDIAN	J.P.P.W.	PROTECT PRIOR TO DETOUR CONSTRUCTION. RESTORE DURING RESTORATION OF MEDIAN. (BY CONTRACTOR)
6600 VOLT UNDERGROUND ELECTRICAL FEEDER	STA. 25+40 (±)	S&WB	CONTACT OWNER TO DE-ENERGIZE PRIOR TO CONSTRUCTION IN VICINITY OF LINE
3" H.P. GAS LINE	STA. 25+50 (±)	NOPSI	CONTACT OWNER TO SHUT-OFF PRIOR TO CONSTRUCTION IN VICINITY OF LINE

%SUMMARY OF REQUIRED DRAINAGE STRUCTURES

STRUCTURE	STRUCTURE	LOCATION	TOP (OR GTR.) EL.	INV. EL.	LENGTH	SLOPE
CB1	CB-06 CATCH BASIN	STA. 19 + 55, 65' LT.	7.64	-0.23	-	-
CB2	CB-06 CATCH BASIN	STA. 19 + 55, 65' RT.	8.44	2.77	-	-
CB3	CB-06 CATCH BASIN	STA. 22 + 70, 65' LT.	7.95	-0.90	-	-
CB4	CB-06 CATCH BASIN	STA. 22 + 70, 65' RT.	7.92	0.31	-	-
M1	R-CB-11 MANHOLE	STA. 17 + 74, 67' LT.	1.50 (±)	-3.85	-	-
M2	R-CB-11 MANHOLE	STA. 16 + 93, 99' RT.	-1.30 (±)	-5.15	-	-
M3	R-CB-11 MANHOLE	STA. 18 + 50, 73' RT.	6.50 (±)	-0.38	-	-
M4	R-CB-11 MANHOLE	STA. 24 + 22, 57' LT.	3.00 (±)	-6.98	-	-
M5	R-CB-11 MANHOLE	STA. 25 + 07, 66' RT.	-2.50 (±)	-9.17	-	-
P1	15" R.C.P.	STA. 17 + 50, LT.	-	-	61'	2%
P2	15" R.C.P.	STA. 18 + 65, LT.	-	-	181'	2%
P3	15" R.C.P.	STA. 16 + 90, RT.	-	-	29'	2%
P4	15" R.C.P.	STA. 17 + 70, RT.	-	-	159'	3%
P5	15" R.C.P.	STA. 19 + 00, RT.	-	-	105'	3%
P6	15" R.C.P.	STA. 23 + 50, LT.	-	-	152'	4%
P7	15" R.C.P.	STA. 24 + 30, LT.	-	-	40'	4%
P8	15" R.C.P.	STA. 23 + 90, RT.	-	-	237'	4%
P9	15" R.C.P.	STA. 25 + 20, RT.	-	-	60'	4%

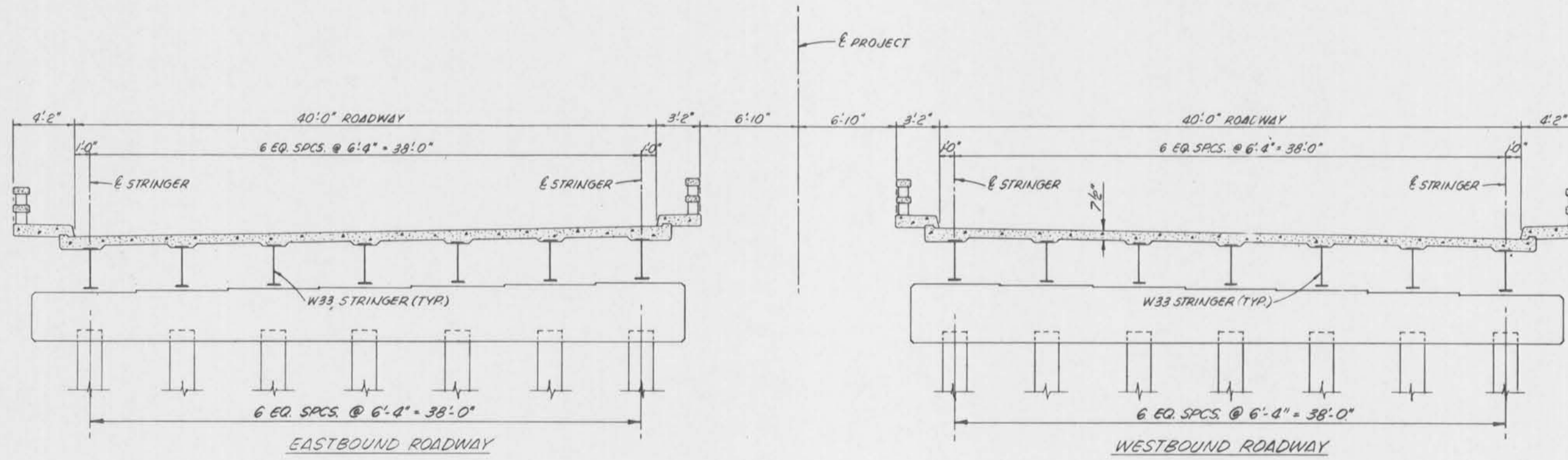
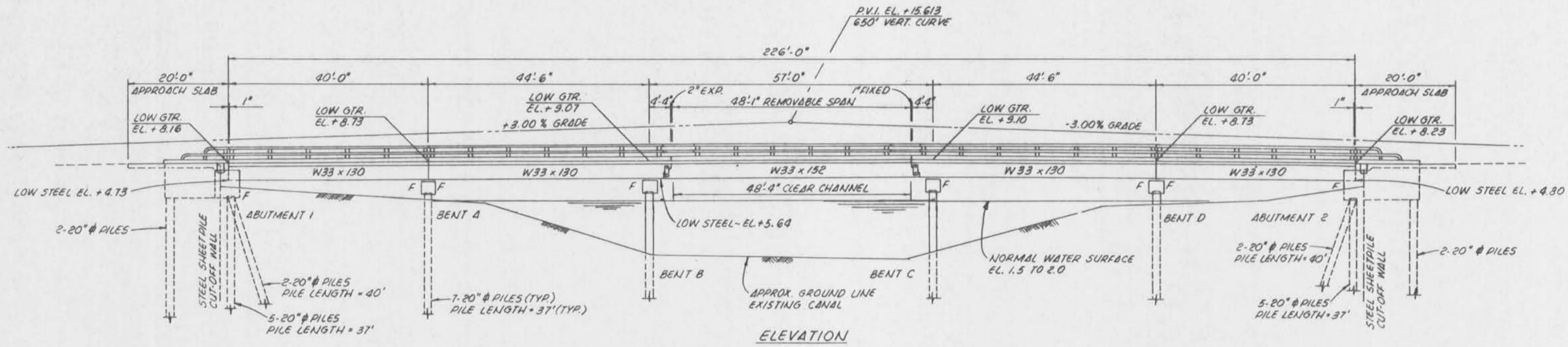
NOTE:
EXISTING UTILITY LOCATIONS BASED ON FIELD SURVEY AND INFORMATION FROM UTILITY AGENCIES. CONTRACTOR SHALL VERIFY UTILITY LOCATION IN FIELD PRIOR TO CONSTRUCTION.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR DRAINAGE EXCAVATION AND BEDDING DETAILS, SEE DWG. NO. 5.
FOR DRAINAGE STRUCTURE DETAILS, SEE DWG. NOS. 68-74.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA <small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small> <small>BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST ORLEANS, LOUISIANA</small> MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES UTILITY PLAN			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CADD FILE: MM65.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	
		DWG. 60 OF 79	



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SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEEVEE COMMISSIONERS ORLEANS LEEVEE DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEEVEE COMMISSIONERS EAST JEFFERSON LEEVEE DISTRICT EAST ORLEANS, LOUISIANA	
WODZICKI & MASTERS Inc. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES EXISTING BRIDGE			
DESIGNED BY: A.A.H.	DATE: JUNE 95	PLOT SCALE: 1	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CADD FILE: MMM6.DGN	FILE NO. H-4-40359	
CHECKED BY: N.M.	SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 62 OF 79

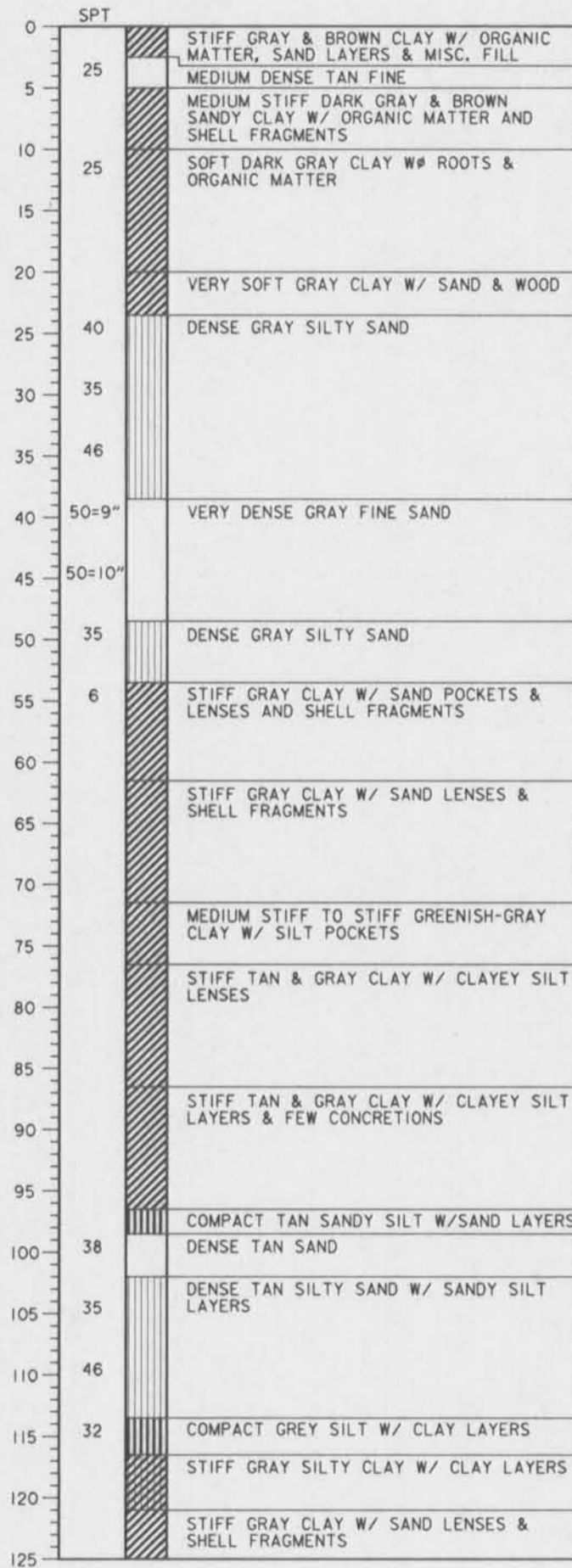


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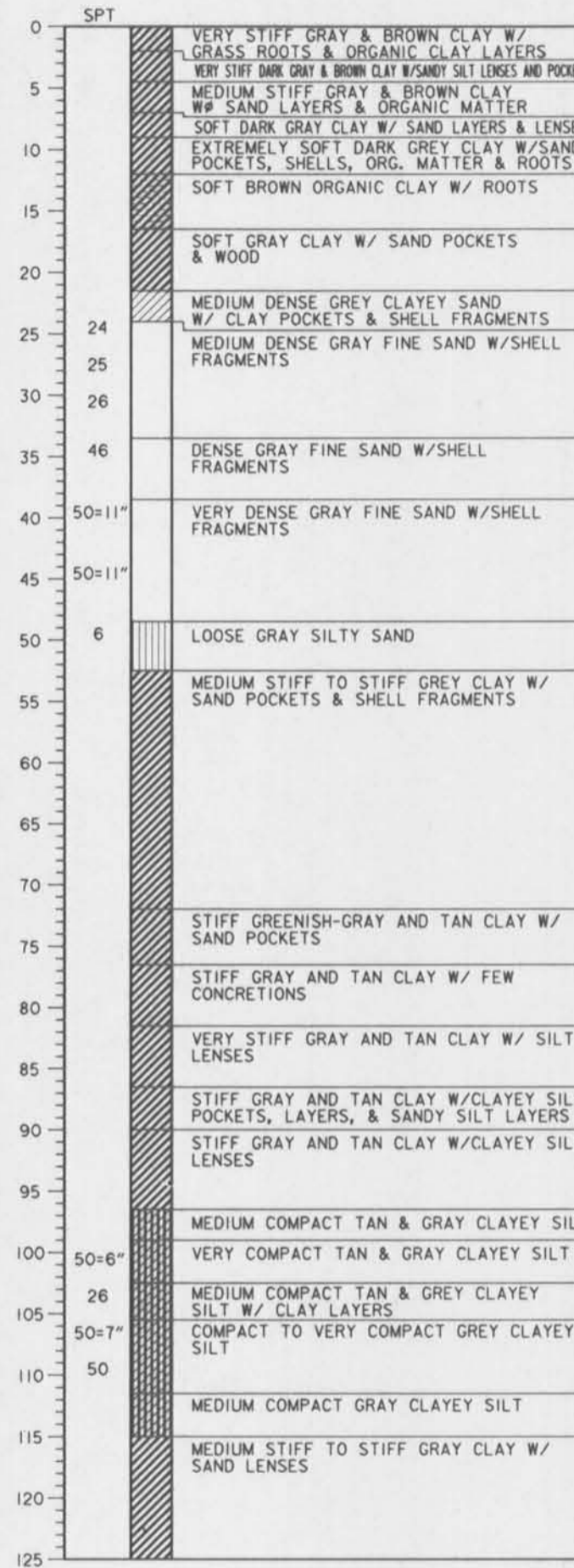
BORING NO. 1



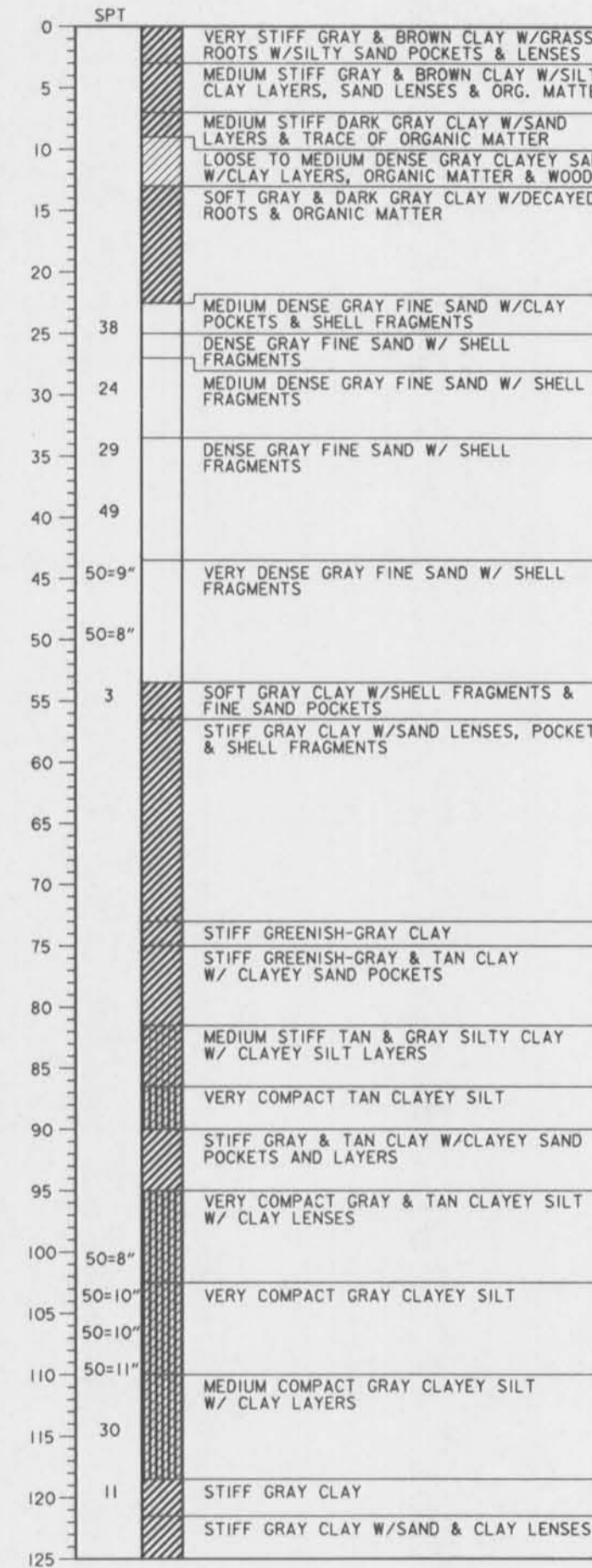
BORING NO. 2



BORING NO. 3



BORING NO. 4



LEGEND:

- CLAY
- SILT
- SAND
- HUMUS

PREDOMINANT TYPE SHOWN HEAVY,
MODIFYING TYPE SHOWN LIGHT.

NOTES:
GROUND ELEVATION OF BORINGS = 8.0 N.G.V.D.
FOR LOCATION OF BORINGS, SEE DWG. NO. 3.
BORINGS TAKEN BY EUSTIS ENGINEERING,
BETWEEN MARCH 12-17, 1993.

SYMBOL	DESCRIPTION	DATE	APPROVED

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT
BOARD OF LEVEE COMMISSIONERS NEW ORLEANS LEVEE DISTRICT

MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

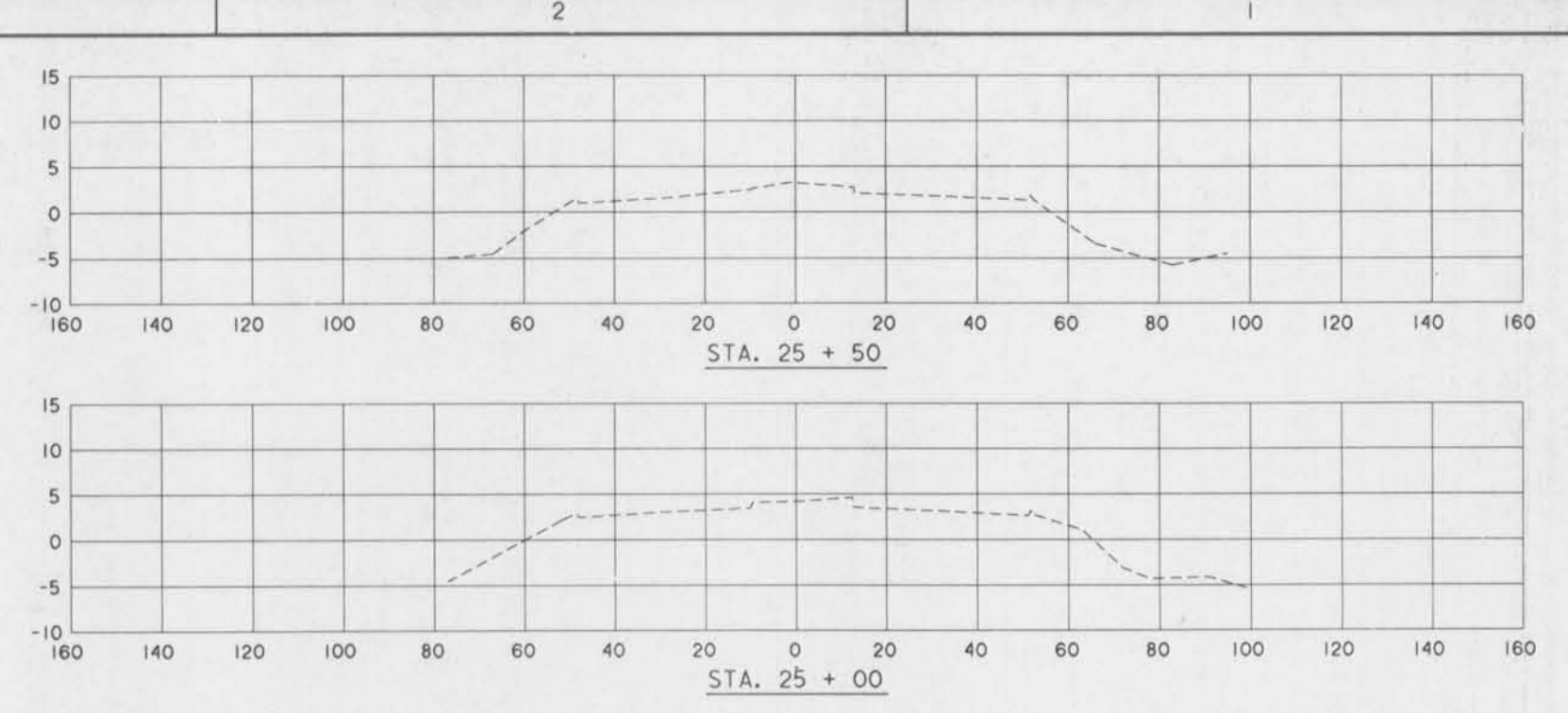
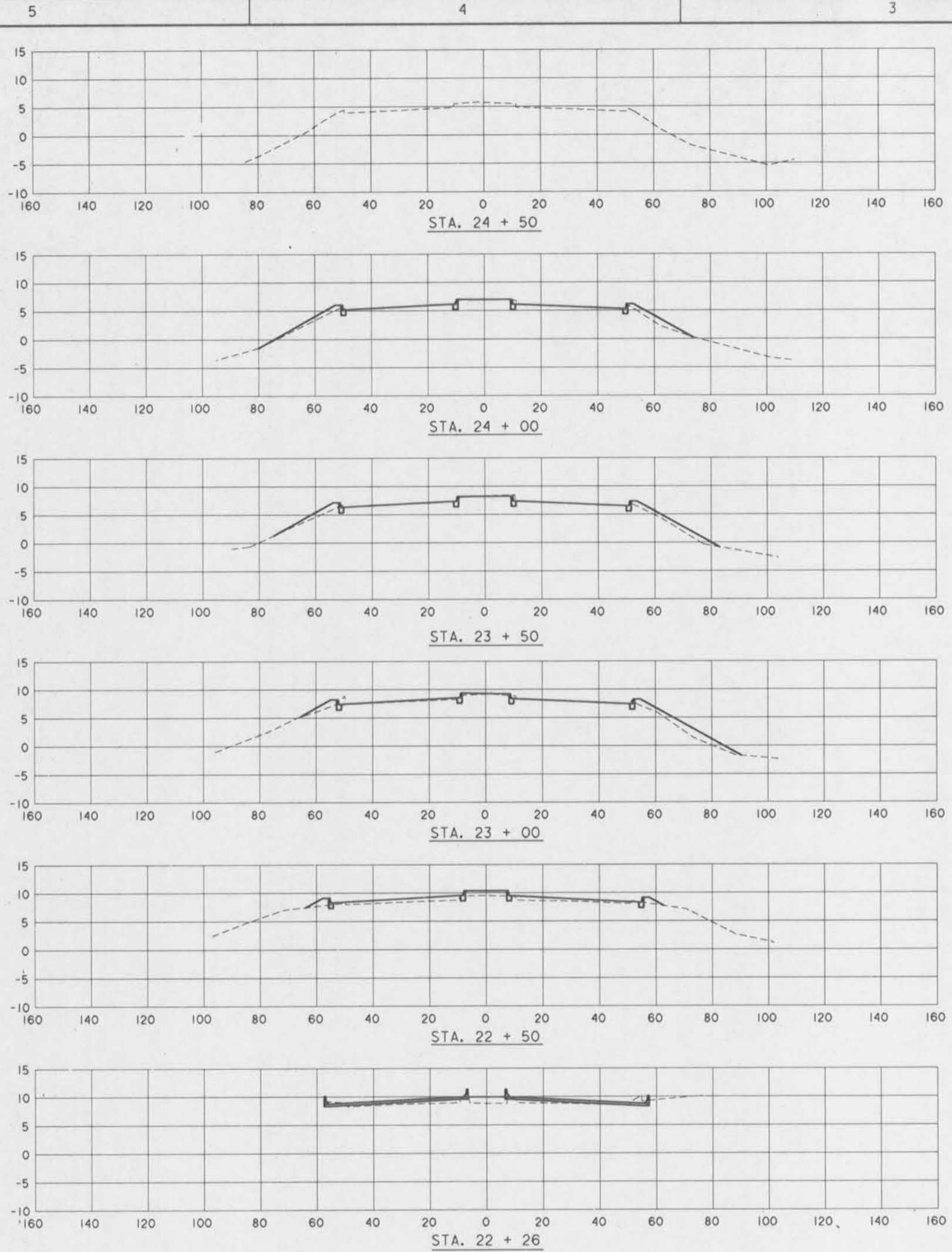
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA
VETERANS BLVD. BRIDGES
BORING LOGS

DESIGNED BY: EUSTIS	DATE: JUNE 95	PLOT SCALE: 80	PLOT DATE: JUNE 95
DRAWN BY: P.M.R.	CHECKED BY: A.A.H.	CADD FILE: MM4.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095		DWG. 63 OF 79

BORING LOGS

SCALE: 1.5" = 10'-0"





NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR ROADWAY DETAILS, SEE DWG. NO. 5.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA</small>	
<small>MOJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA</small>		<small>NEW ORLEANS, LOUISIANA</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA VETERANS BLVD. BRIDGES CROSS SECTIONS-2			
DESIGNED BY: N.M.	DATE: JUNE 95	PLOT SCALE: 240	PLOT DATE: JUNE 95
DRAWN BY: A.P.A.	CHECKED BY: N.M.	CADD FILE: MM25.DGN	FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 65 OF 79	

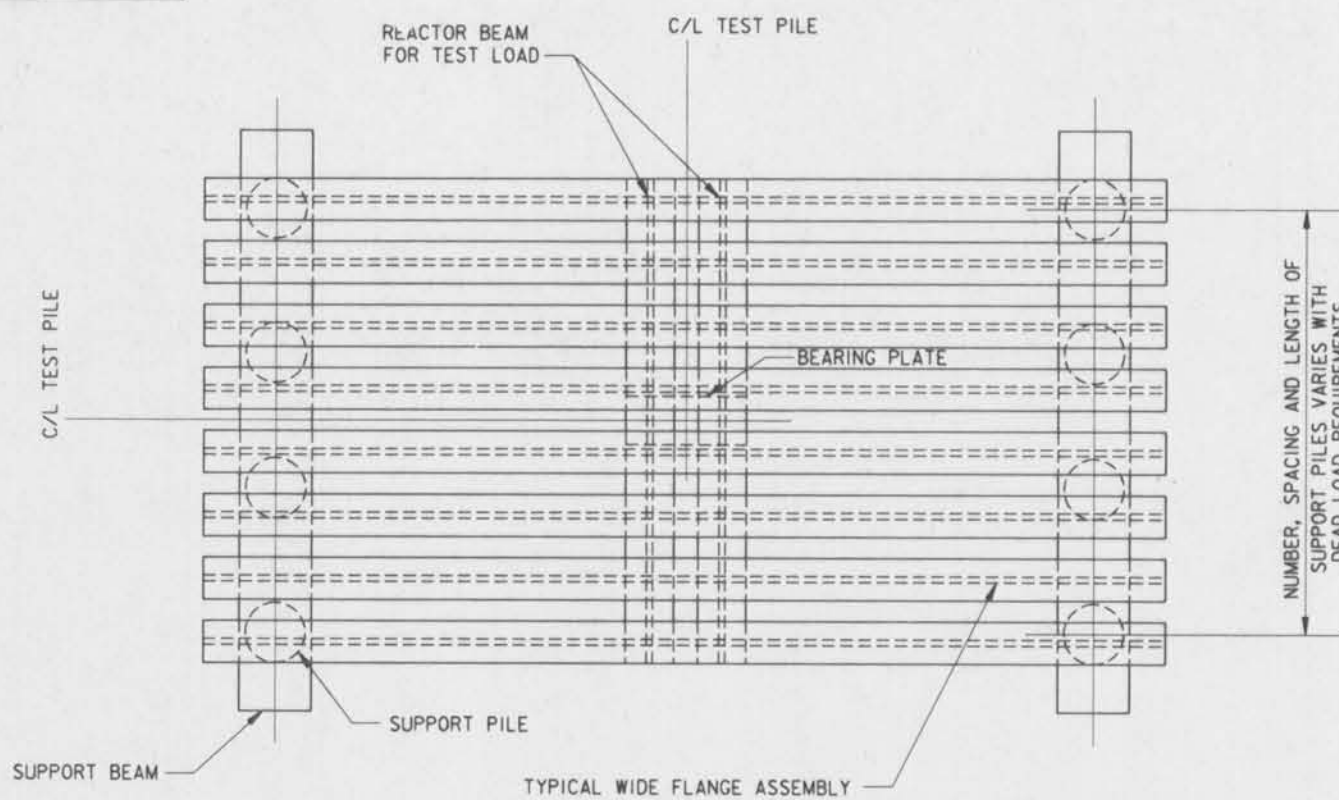


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SCALE:
 VERT. 1"=10'-0"
 HORIZ. 1"=20'-0"



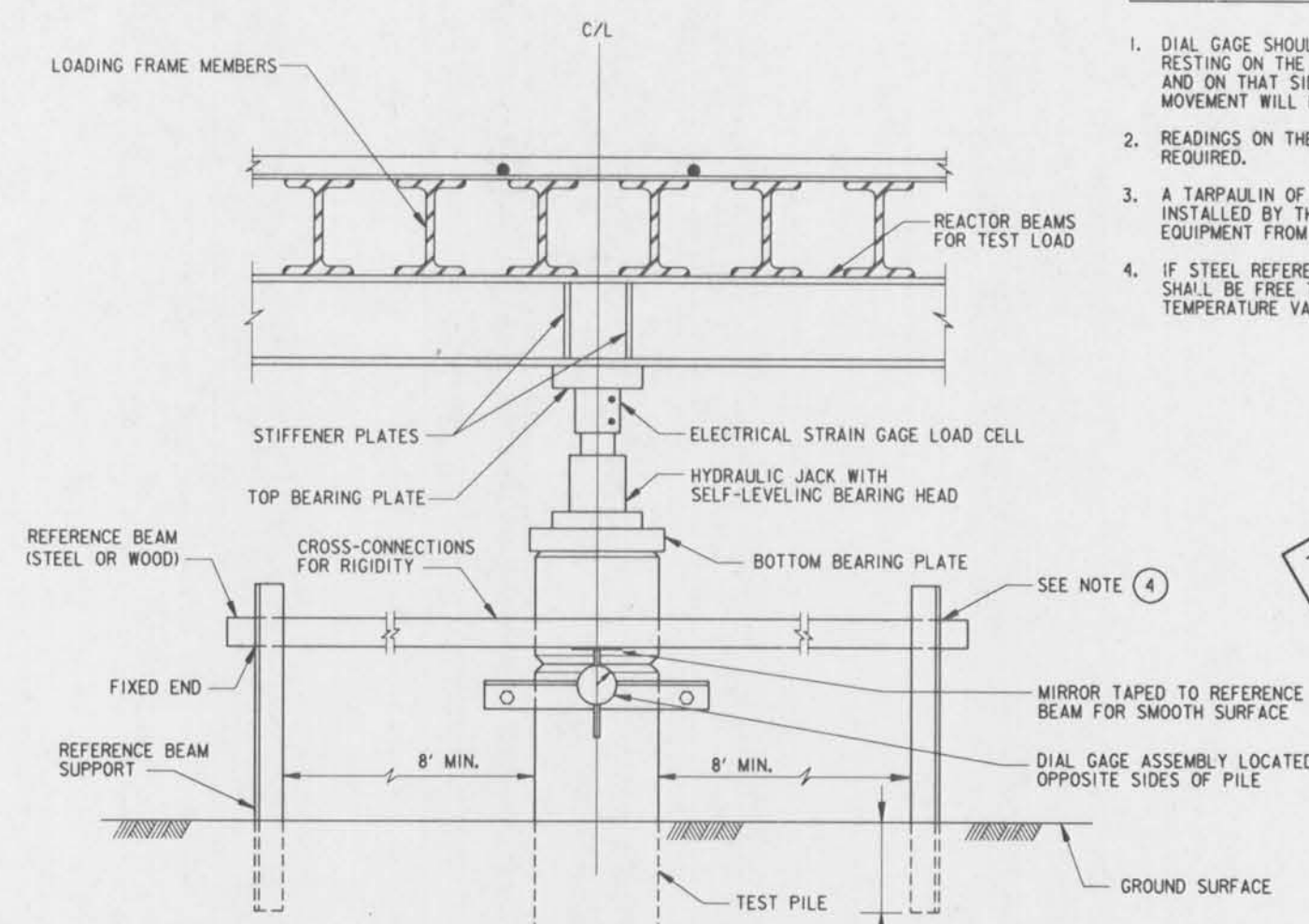
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PLAN

LOADING FRAME NOTES:

1. LOADING FRAME SHOWN WITHOUT DEAD LOAD.
2. CONTRACTOR TO PROVIDE PILE LAYOUT FOR EACH PARTICULAR DEAD LOAD TEST.
3. SECURE DEAD WEIGHT LOAD TO LOADING FRAME WITH CHAINS AND BINDERS.

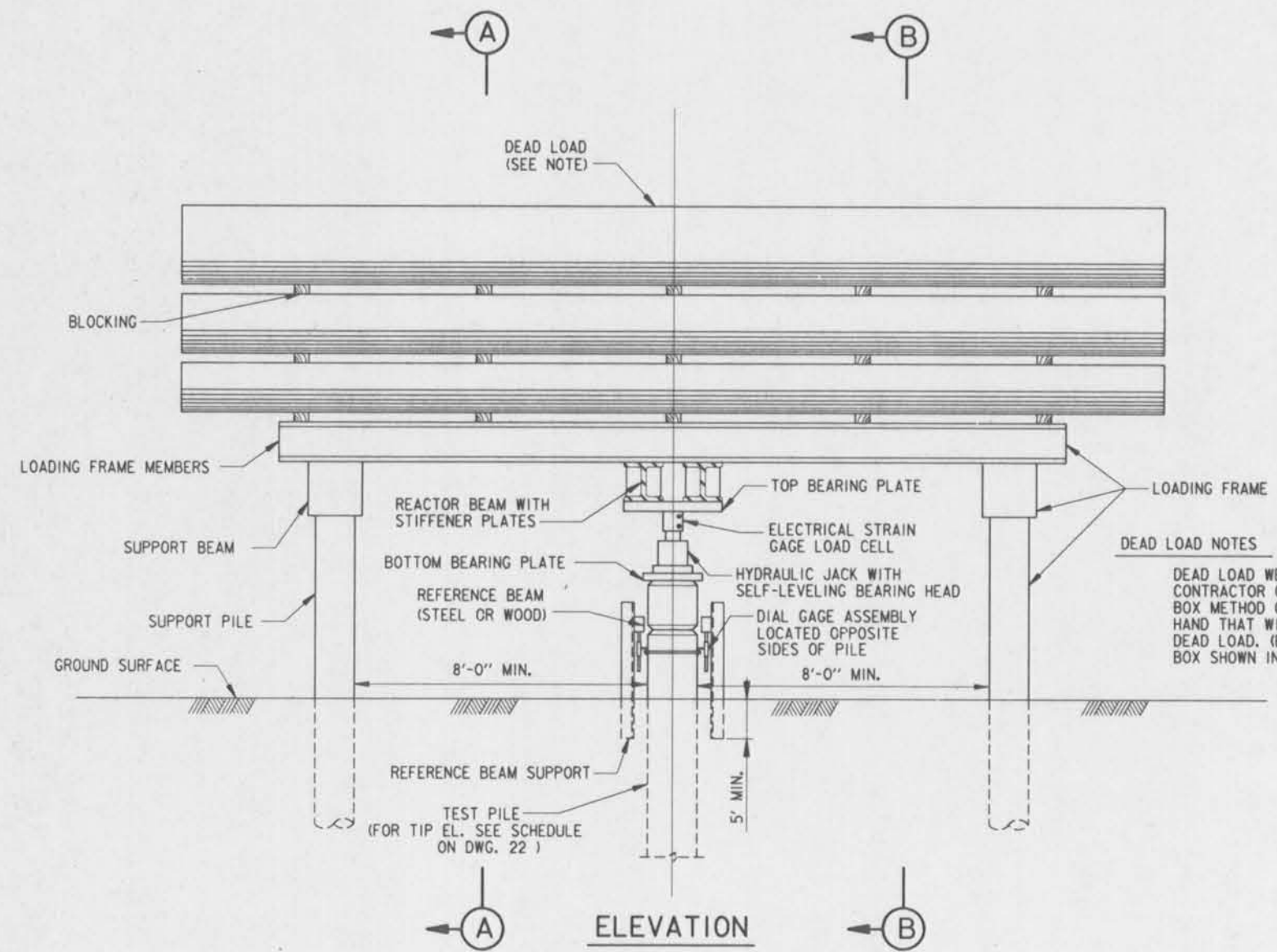


SECTION (B)
TEST APPARATUS
NO SCALE

NOTES:

1. DIAL GAGE SHOULD BE ATTACHED TO THE PILE WITH THE STEM RESTING ON THE REFERENCE BEAM IN THE COMPRESSED POSITION AND ON THAT SIDE OF THE REFERENCE BEAM WHERE THE MOVEMENT WILL BE AWAY FROM THE BEAM.
 2. READINGS ON THE OPPOSITE SIDES OF THE PILE ARE REQUIRED.
 3. A TARPULIN OF MINIMUM DIMENSION 12' X 12' SHALL BE INSTALLED BY THE CONTRACTOR TO PROTECT THE MEASURING EQUIPMENT FROM THE DIRECT EFFECTS OF THE WEATHER.
 4. IF STEEL REFERENCE BEAMS ARE USED, ONE END OF EACH BEAM SHALL BE FREE TO MOVE AS THE LENGTH OF BEAMS CHANGE WITH TEMPERATURE VARIATIONS.
- THE CONTRACTOR HAS THE OPTION OF USING REACTION PILES IN LIEU OF THE LOADING FRAME.
DESIGN OF THE LOADING FRAME, TEST APPARATUS AND REACTION PILE SET-UP, IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE SUBMITTED FOR APPROVAL BY THE CONTRACTING OFFICER.

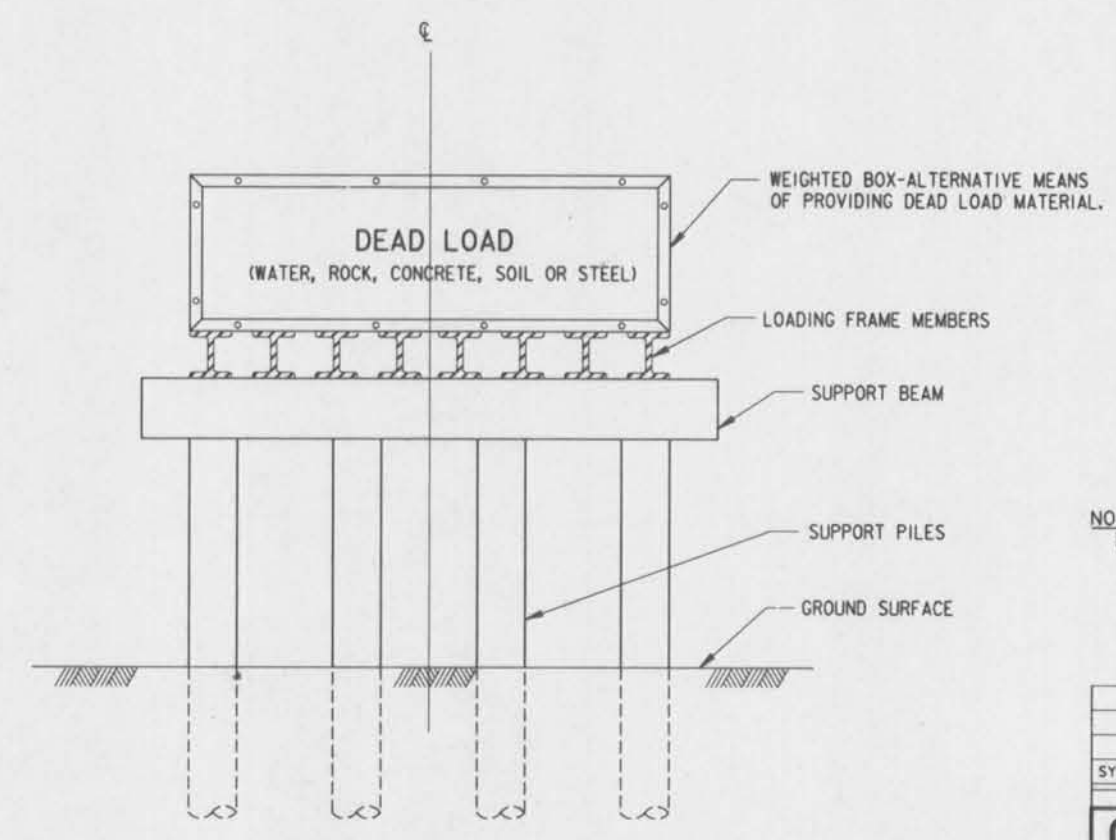
TEST CONFIGURATION IN THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY



ELEVATION
LOADING FRAME
NO SCALE

DEAD LOAD NOTES:

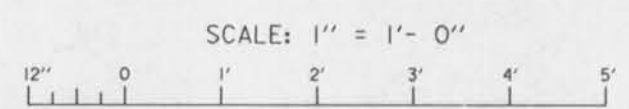
DEAD LOAD WEIGHT OPTIONAL. CONTRACTOR CAN USE WEIGHTED BOX METHOD OR MATERIAL ON HAND THAT WILL RESULT IN REQUIRED DEAD LOAD. (EXAMPLE OF WEIGHTED BOX SHOWN IN SECTION (A))



SECTION (A)
NO SCALE

PILE TEST REQUIREMENTS: 240	
LOCATION: STA. 19+75, 20+RT.	
TP1 - HP14X73	TIP EL.: -95
DESIGN LOAD: 65T	
TP2 - 24"Ø PPC PILE	TIP EL.: -95
DESIGN LOAD: 119T	

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.

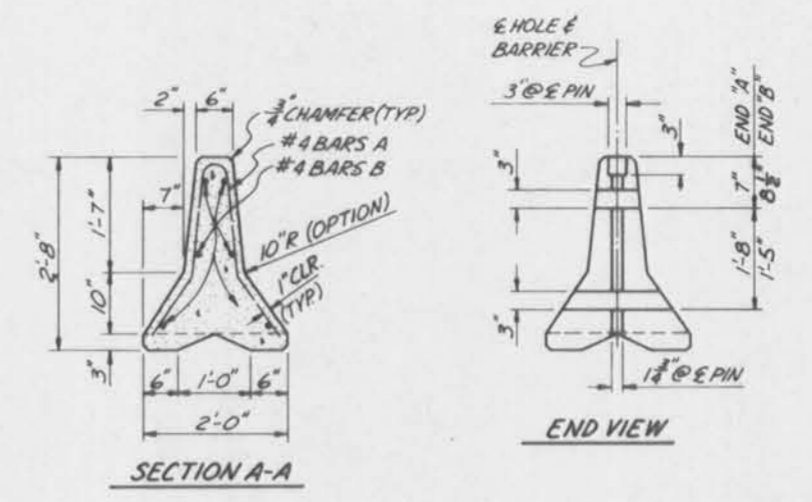
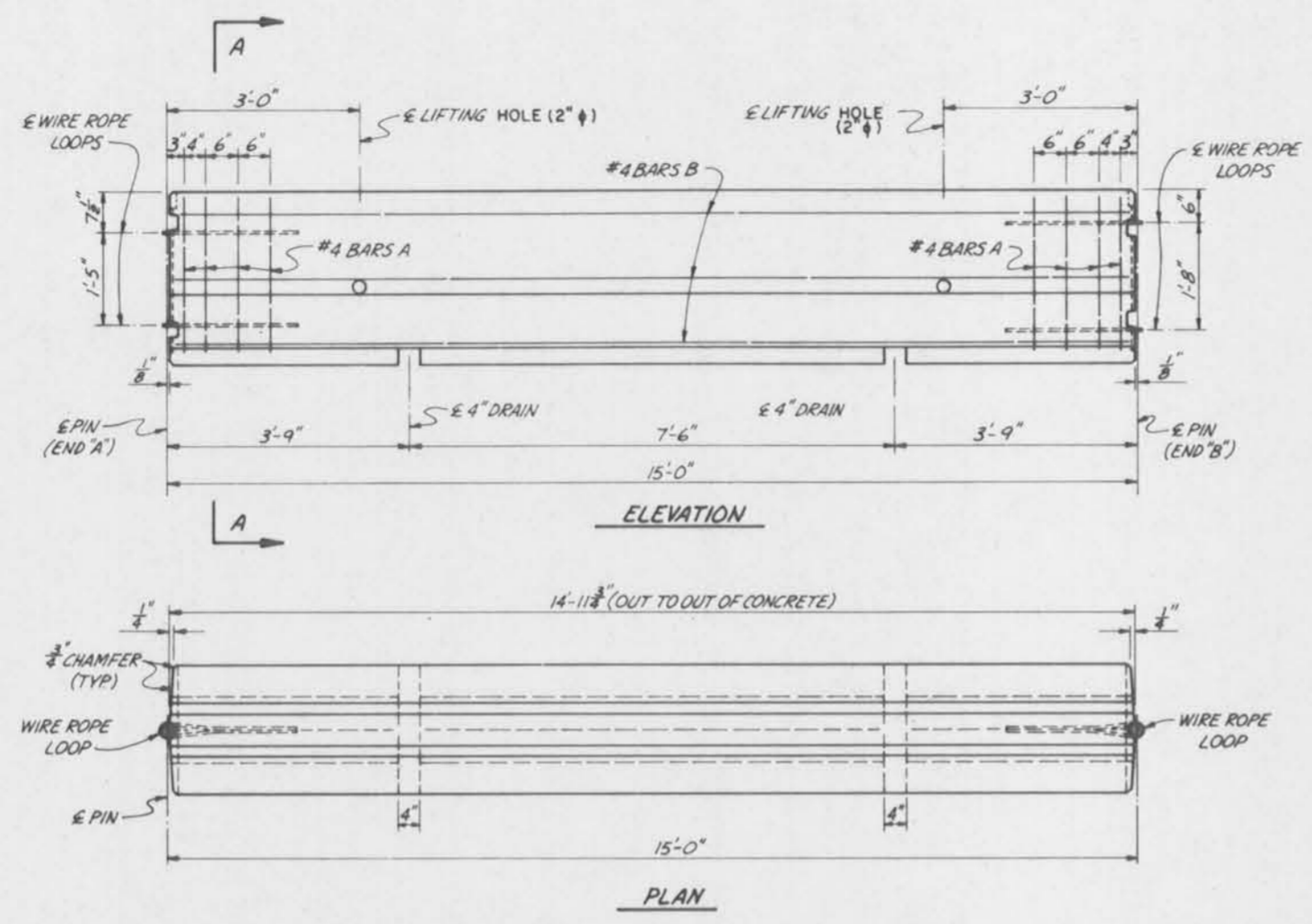


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEL COMMISSIONERS ORLEANS LEVEL DISTRICT NEW ORLEANS, LOUISIANA		BOARD OF LEVEL COMMISSIONERS EAST JEFFERSON LEVEL DISTRICT EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA			
VETERANS BLVD. BRIDGES COMPRESSION PILE TEST			
DESIGNED BY: M. DESAI	DATE: JUNE 95	PLOT SCALE: 12	PLOT DATE: JUNE 95
DRAWN BY: B. DORCEY	CADD FILE: MMS.DGN	FILE NO. H-4-40359	
CHECKED BY: J. ROMERO	SUBMITTED BY: M. DESAI	SOLICITATION NO. DACW29-95-B-0095	DWG. 66 OF 79



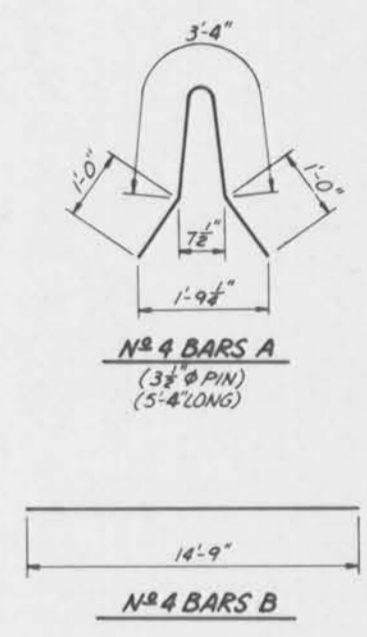
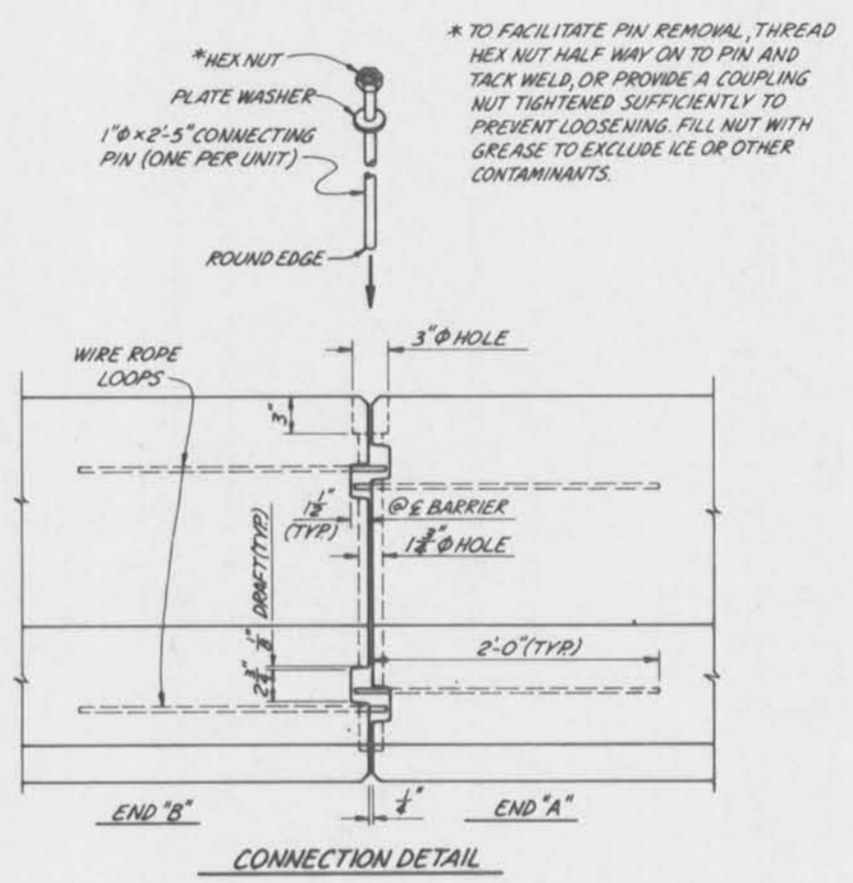
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STATE PROJECT	PARISH	SHEET NO.



ESTIMATED QUANTITIES	
DEFORMED REINFORCING STEEL	88 LBS.
CLASS "A" CONCRETE	144 CU. YDS.

QUANTITIES SHOWN ARE FOR ESTIMATION PURPOSES ONLY. CLASS "A" CONCRETE, DEFORMED REINFORCING STEEL, WIRE ROPE LOOPS, PICK-UPS, CONNECTING PINS, NUTS AND WASHERS ARE TO BE INCLUDED IN THE PRICE BID FOR CONCRETE RAILING (TEMPORARY PRECAST BARRIER), ITEM 5-10, PER EACH.



NOTES

CONCRETE FOR TEMPORARY PRECAST BARRIER RAILING SHALL BE CLASS "A" AND SHALL RECEIVE A CLASS 1A, SPECIAL SURFACE PREPARATION, FINISH. ADDITIONAL REINFORCING AS NECESSARY SHALL BE REQUIRED TO INSURE THE INTEGRITY OF THE PRECAST BARRIER DURING ALL LIFTING AND PLACING OPERATIONS.

SUITABLE PICK-UPS SHALL BE PROVIDED AS INDICATED ON THE BOTTOM OF THE BARRIER FOR REMOVAL OF THE UNIT FROM THE FORMS. (BARRIER WEIGHT = 5832 LBS.)

ALL PRECAST UNITS SHALL BE HELD AT THE PLANT A MINIMUM OF 10 DAYS AFTER CASTING. UPON COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE AND TRANSPORT THE BARRIER UNITS TO THE REQUIRED MAINTENANCE UNIT AS DIRECTED BY THE PROJECT ENGINEER.

DATE: 6-5-95	1977
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS	
DESIGNED BY: [Signature]	TRACED BY: [Signature]
CHECKED BY: [Signature]	CHECKED BY: [Signature]

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEL COMMISSIONERS
ORLEANS LEVEL DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEL COMMISSIONERS
EAST JEFFERSON LEVEL DISTRICT
EAST JEFFERSON, LOUISIANA

MOJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

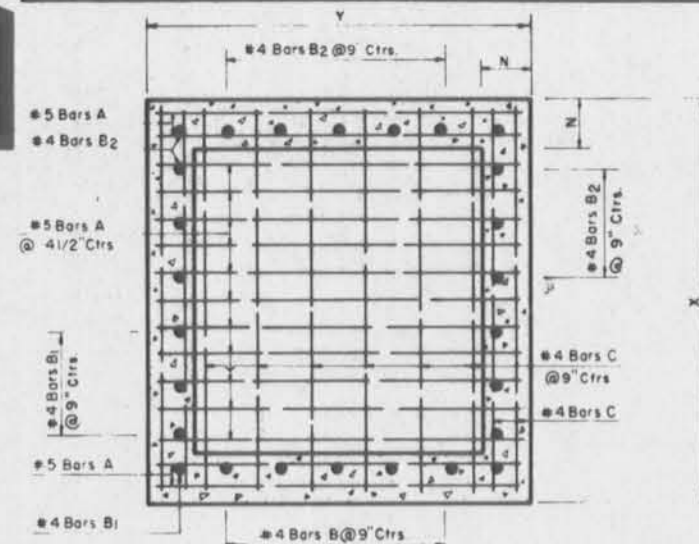
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

LADOTD
STANDARD PLANS

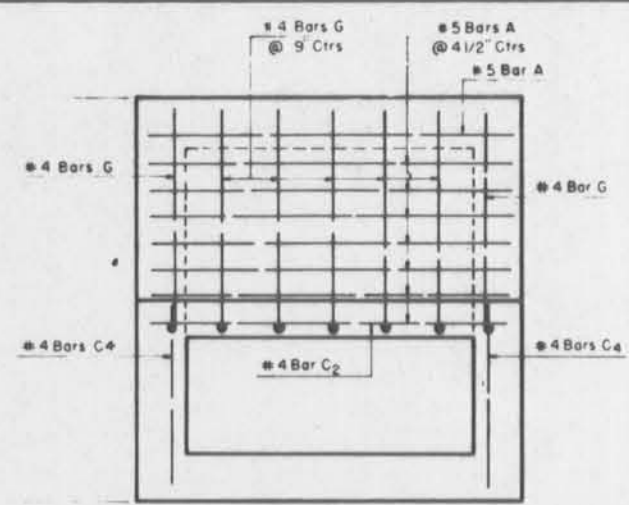
DESIGNED BY:	DATE: JUNE 95	PLOT SCALE: 1	PLOT DATE: JUNE 95
CHECKED BY:	CADD FILE: MMM6.DGN	FILE NO. H-4-40359	
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0095	DWG. 67 OF 79	



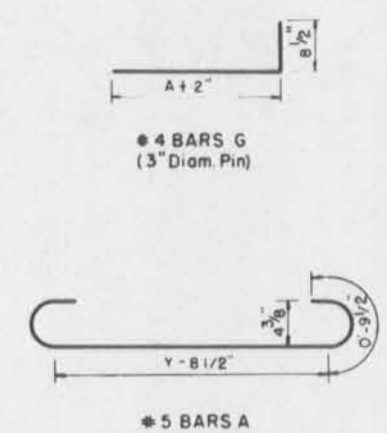
Safety is a Part of Your Contract



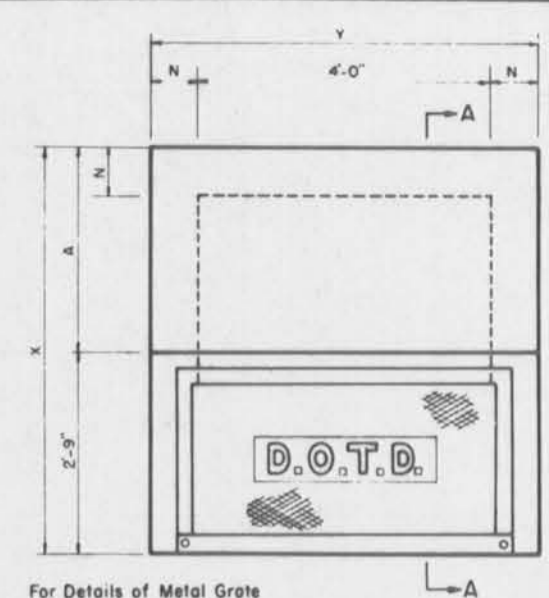
SECTION
Showing Bottom Slab Reinforcing Steel



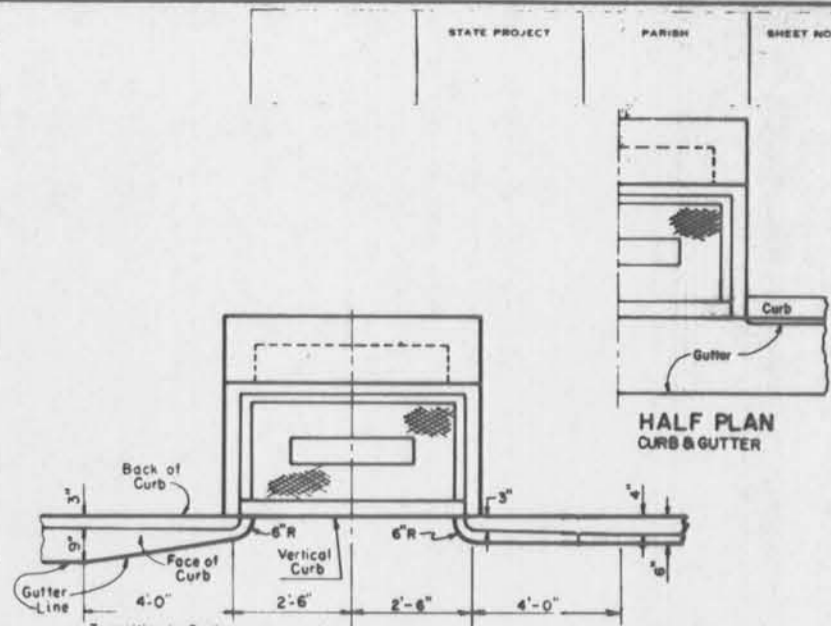
PLAN
Showing Top Slab Reinforcing Steel



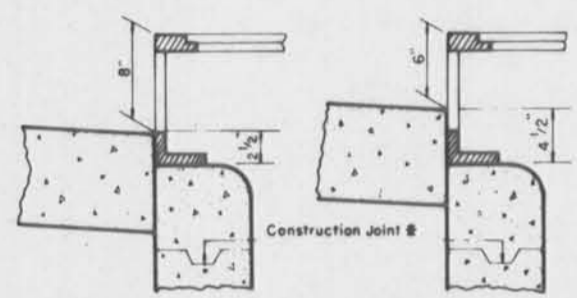
#5 BARS A



For Details of Metal Grate and Cover, See Std. Plan MC-01, Type H



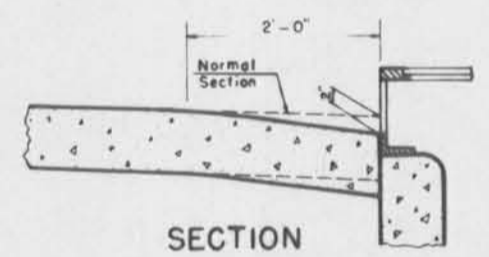
PLAN
Showing Curb Transition



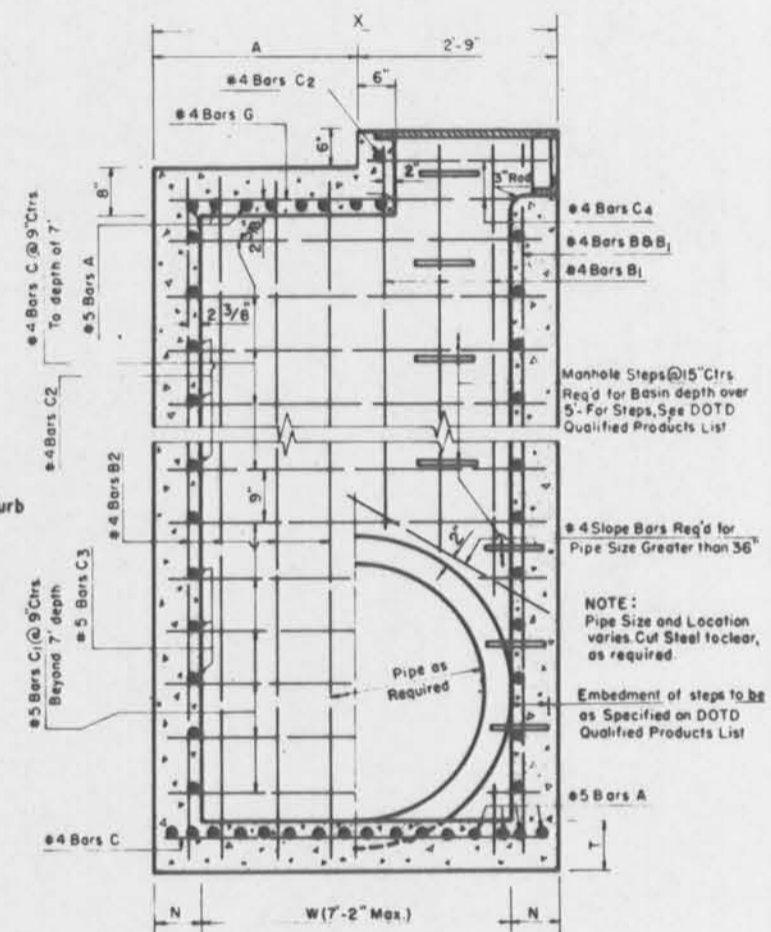
INLET CONFIGURATION

When used with 6" Barrier Curb
When used with 4" Mountable Curb

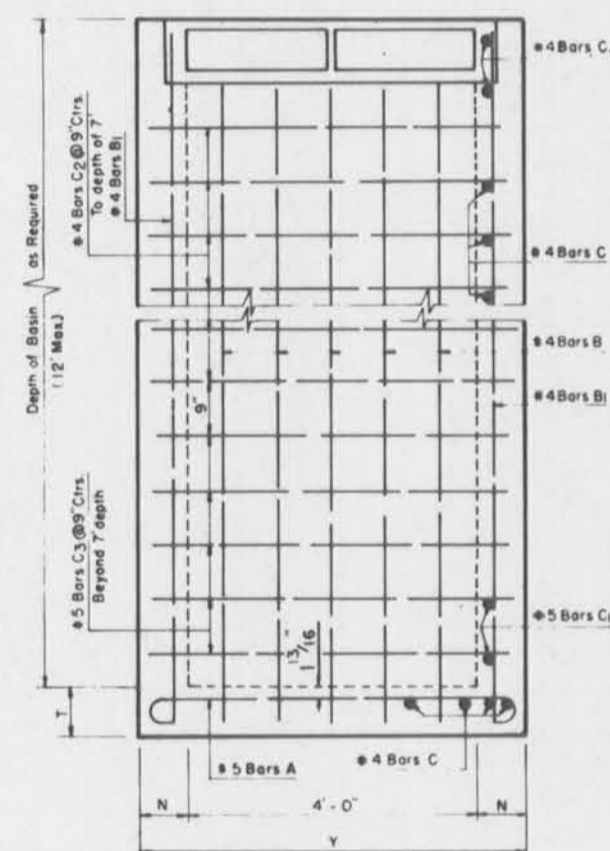
NOTE:
The Basin shall not be constructed above bottom of pavement elevation until the paving adjacent to the Basin is in place.



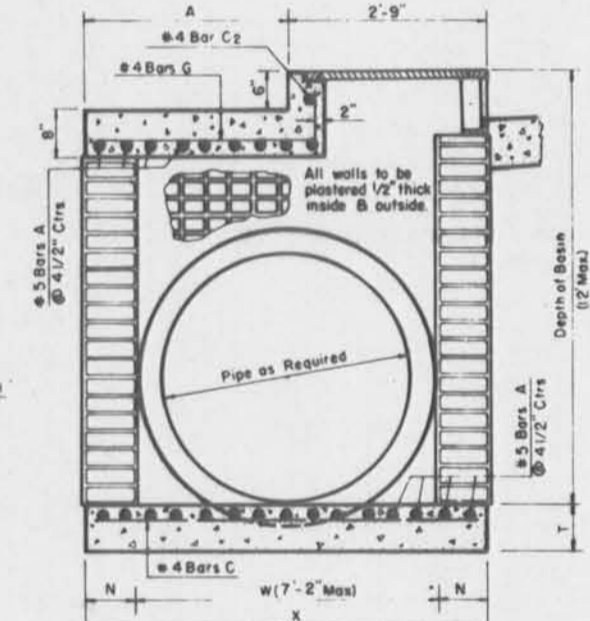
SECTION
Showing Pavement Sump Typical



SECTION A-A

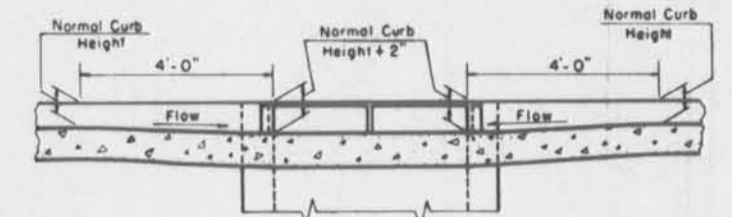


ELEVATION

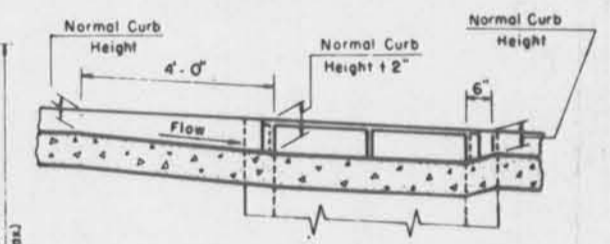


SECTION A-A
BRICK ALTERNATE

Details not shown, same as Concrete Basin



Transition in Curb Height
Catch Basin @ Low Point



Transition in Curb Height
Catch Basin on Grade

NOTE:
Standard Plan MC-01 (Details of Grates, Frames, Seats, Lids, etc.), may be obtained from:

HYDRAULICS & STANDARD PLANS
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT
P.O. BOX 44245
CAPITOL STATION
BATON ROUGE, LA. 70804

Pipe Diam. In.	CONCRETE CATCH BASIN												BRICK WALL CATCH BASIN												Pipe Diam. In.
	Depth to 6 Feet						Depth 8 to 12 Feet						Depth to 7 Feet						Depth 7 to 12 Feet						
	W	T	X	Y	N	A	X	Y	N	A	X	Y	N	A	X	Y	N	A							
15 to 24	2-6	8	3-8	5-2	7	0-11	3-10	5-4	8	1-1	3-10	5-4	8	1-1	4-6	6-0	12	1-9	15 to 24						
30	3-1	8	4-3	5-2	7	1-6	4-5	5-4	8	1-8	4-5	5-4	8	1-8	5-1	6-0	12	2-4	30						
36	3-8	8	4-10	5-2	7	2-1	5-0	5-4	8	2-3	5-0	5-4	8	2-3	5-8	6-0	12	2-11	36						
42	4-3	8	5-5	5-2	7	2-9	5-7	5-4	8	2-10	5-7	5-4	8	2-10	6-3	6-0	12	3-6	42						
48	4-10	8	6-0	5-2	7	3-3	6-2	5-4	8	3-5	6-2	5-4	8	3-5	6-10	6-0	12	4-1	48						
54	5-5	9	6-7	5-2	7	3-10	6-9	5-4	8	4-0	6-9	5-4	8	4-0	7-5	6-0	12	4-8	54						
60	6-0	9	7-2	5-2	7	4-5	7-4	5-4	8	4-7	7-4	5-4	8	4-7	8-0	6-0	12	5-3	60						
72	7-2	9	8-4	5-2	7	5-7	8-6	5-4	8	5-9	8-6	5-4	8	5-9	9-2	6-0	12	6-5	72						

① Refers to sidewall pipe, or "trunkline". Frontwall or "crossing pipe" may not exceed 42"
② W & X Dimensions may be varied for Skewed Pipe, but W shall not exceed 7'-2"

DATE	DESCRIPTION	BY
10-29-90	Rev. Integral Curb	W.T.J.

STANDARD PLAN NO. **CB-06** | 1 of 1

BRICK AND/OR CONCRETE CURB OPENING CATCH BASIN
4" MOUNTABLE OR 6" BARRIER CURB
MAXIMUM PIPES: 42" x 72" MAXIMUM DEPTH 12"
DATE: AUG. 8, 1977. To be used in conjunction with Std. MC-01

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
OFFICE OF HIGHWAYS

DESIGNED: CDJ
CHECKED: HJB
DATE: 10-29-90

DETAILED: CDJ
CHECKED: HJB
DATE: 10-29-90

TRACED: A LOVE
CHECKED: CDJ
DATE: 10-29-90

W.T.J.
BY: W.T.J.
DATE: 10-29-90

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MOLESKI & MASTERS Inc.
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

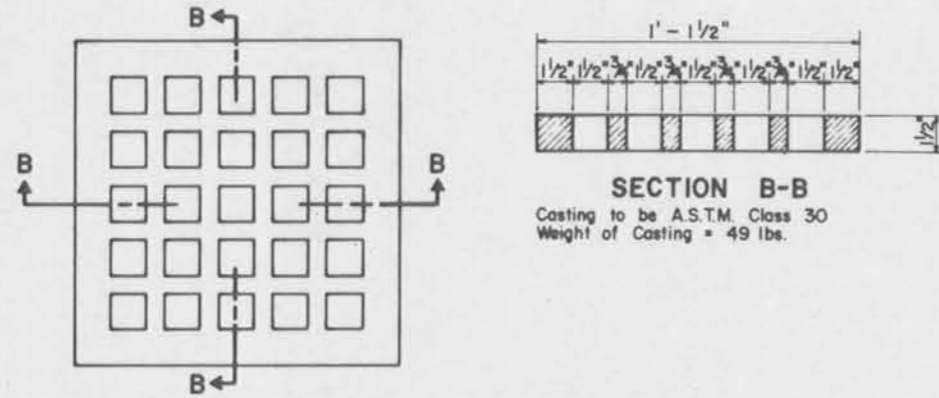
**LADOTD
STANDARD PLANS**

DESIGNED BY: W.B. CONWAY
DRAWN BY:
CHECKED BY:
SUBMITTED BY:
DESIGN ENGINEER

DATE: JUNE 95
PLOT SCALE: 1
PLOT DATE: JUNE 95
FILE NO.: H-4-40359
SOLICITATION NO.: DACW29-95-B-0095
DWG. 69 OF 79

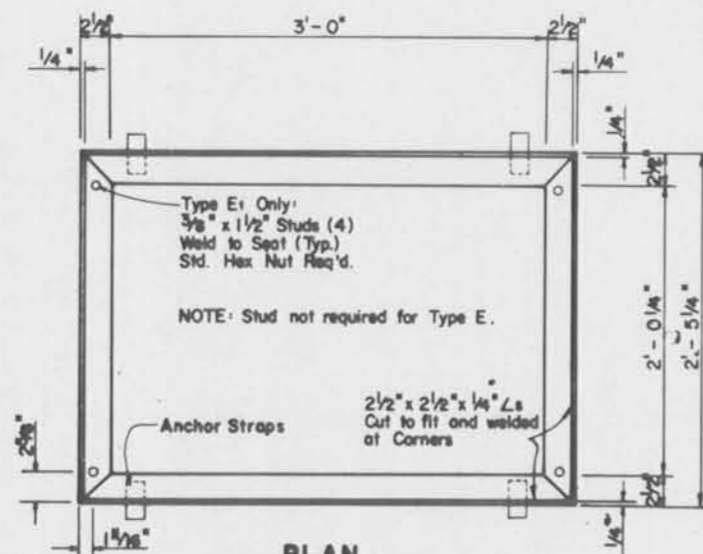


Safety is a Part of Your Contract



DETAILS OF CAST IRON GRATE

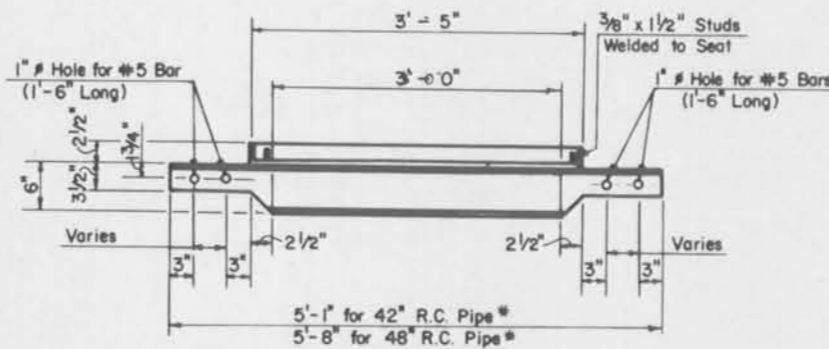
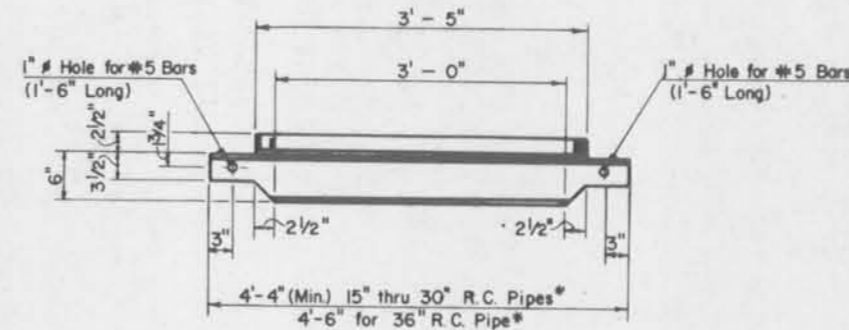
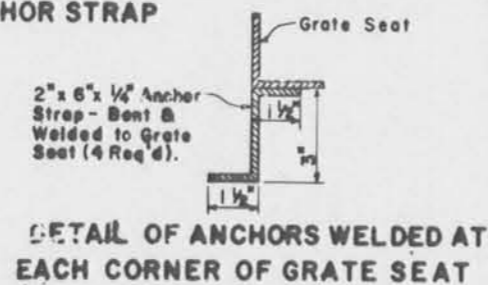
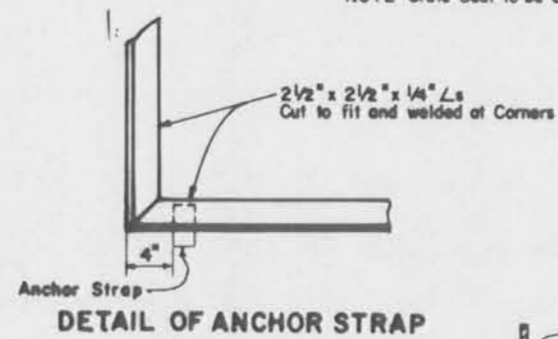
TYPE "D"



PLAN SHOWING GRATE SEAT

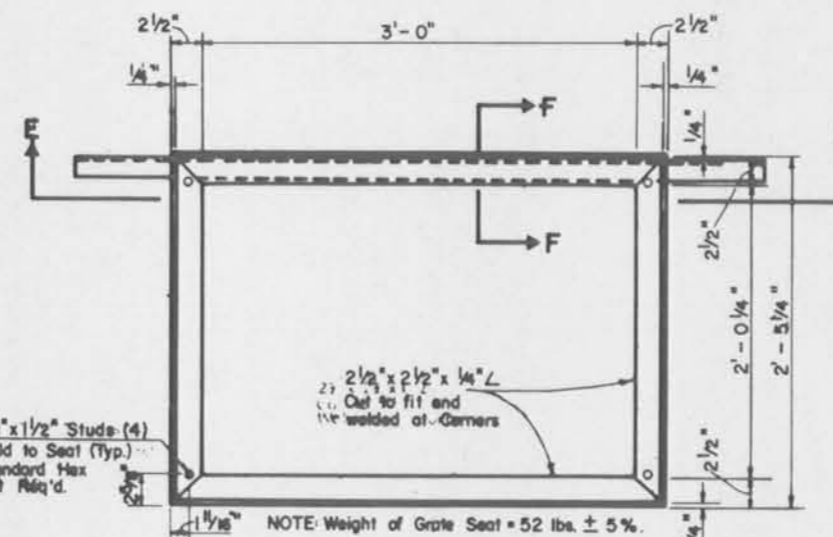
TYPE "E" or "E1"

NOTE: Grate Seat to be Galvanized after Fabrication.



*NOTE: Length where Skewed Pipe is used in End Walls = Outside Width - 4"

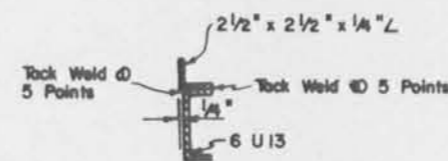
SECTION E-E



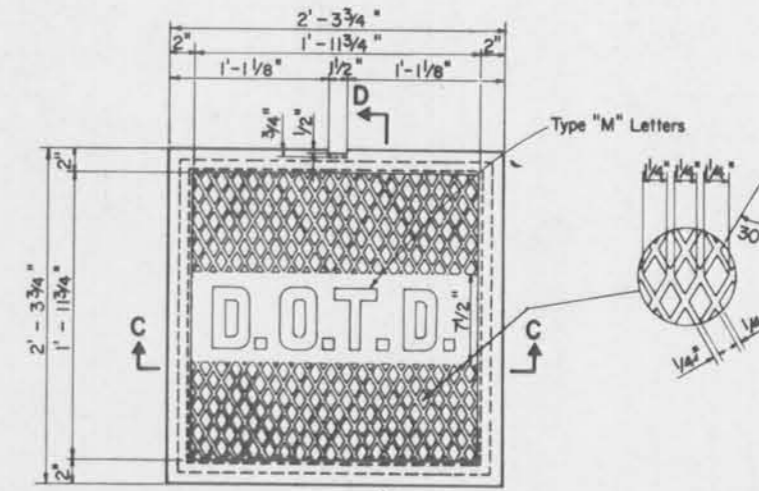
PLAN SHOWING GRATE SEAT

TYPE "F"

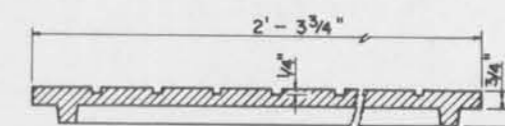
NOTE: Grate Seat to be Galvanized after Fabrication.



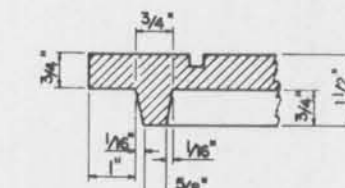
SECTION F-F



DETAILS OF CAST IRON COVER

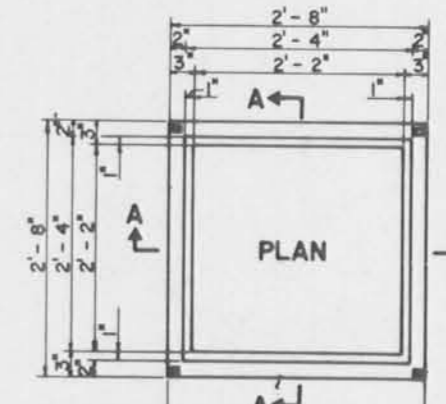


SECTION C-C

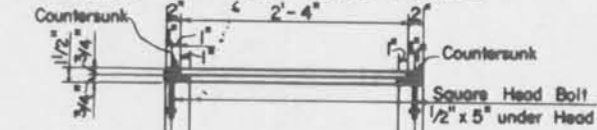


EDGE DETAIL (TYP.)

NOTE: Weight of Cast Iron Frame = 115 lbs. Weight of Cast Iron Cover = 146 lbs.



DETAILS OF CAST IRON FRAME



SECTION A-A

TYPE "G"

STANDARD PLAN NO. MC-01 2 of 5

DETAILS OF GRATES, GRATE SEATS, FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

DATE: Aug 15, 77

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT OFFICE OF HIGHWAYS

DESIGNED BY: WTJ	DETAILED BY: WTJ	TRACED BY: WTJ
CHECKED BY: WTJ	CHECKED BY: WTJ	CHECKED BY: WTJ
APPROVED BY: [Signature]	DATE: 8-25-80	

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS EAST JEFFERSON LEVEE DISTRICT EAST JEFFERSON, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN

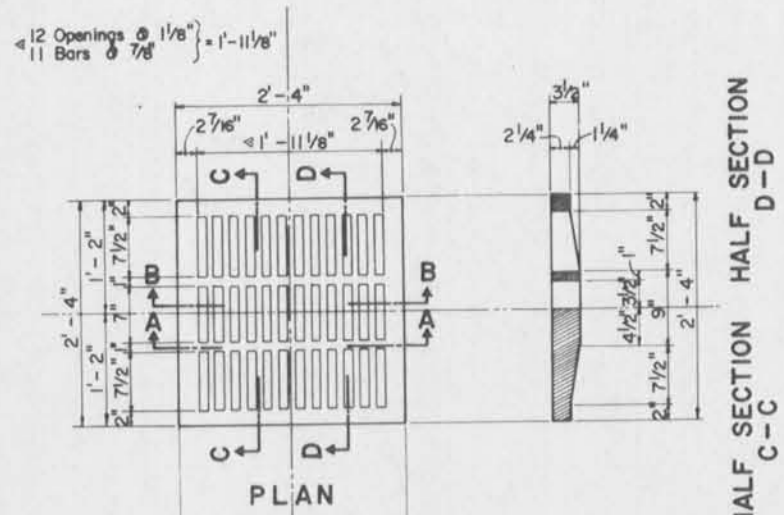
17TH STREET OUTFALL CANAL METAIRIE RELIEF ORLEANS PARISH-JEFFERSON PARISH LOUISIANA

LADOT STANDARD PLANS

DESIGNED BY: W.B. CONWAY	DATE: JUNE 95	PLOT SCALE: 1	PLOT DATE: JUNE 95
DRAWN BY: W.B. CONWAY	CADD FILE: MMM6.DGN	FILE NO. H-4-40359	
CHECKED BY: W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095	DWG. 71 OF 79	

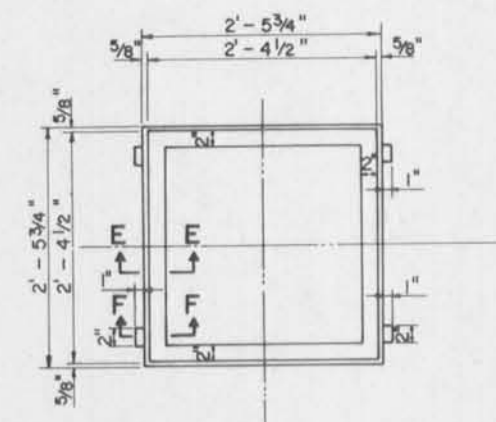


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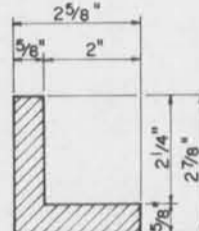


HALF SECTION A-A HALF SECTION B-B
DETAILS OF CAST IRON GRATE
Weight = 334 lbs.

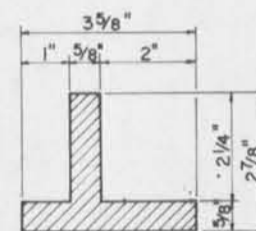
TYPE "A"



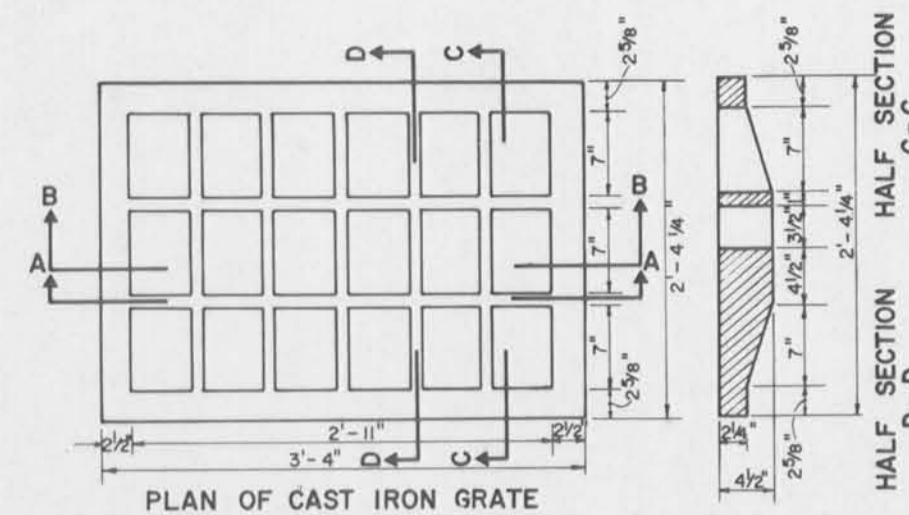
DETAILS OF CAST IRON FRAME
FOR GRATES
Weight = 90 lbs.



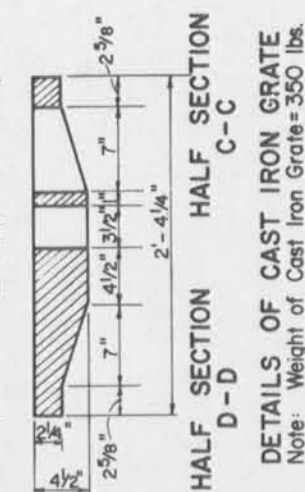
SECTION E-E



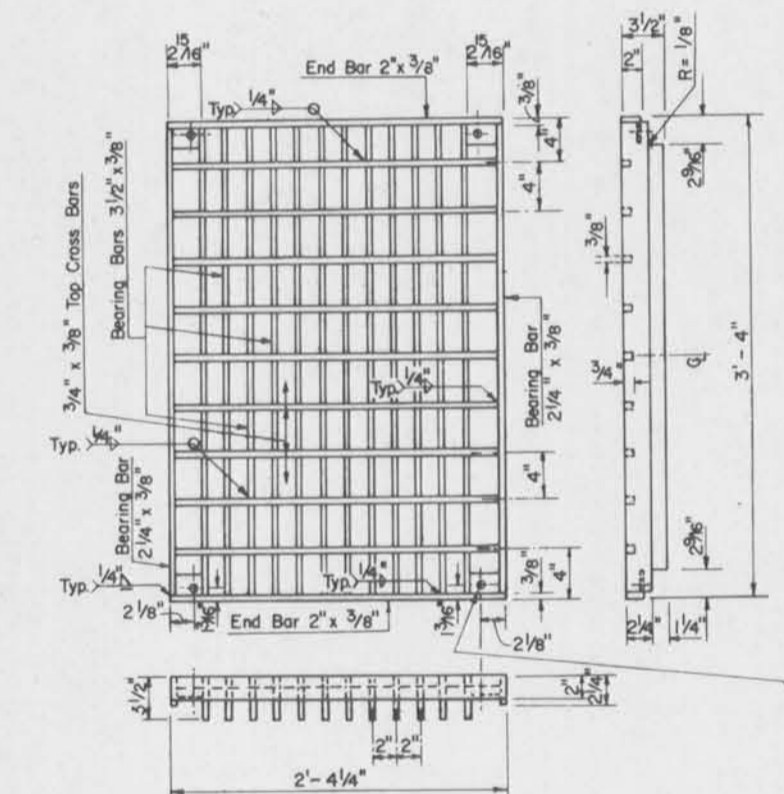
SECTION F-F



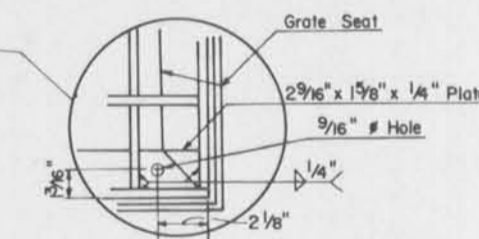
PLAN OF CAST IRON GRATE
HALF SECTION A-A HALF SECTION B-B
TYPE "B"



NOTE:
Unless otherwise stated, TYPE "E" Seat will be used with this Grate. (See Sht. 2).



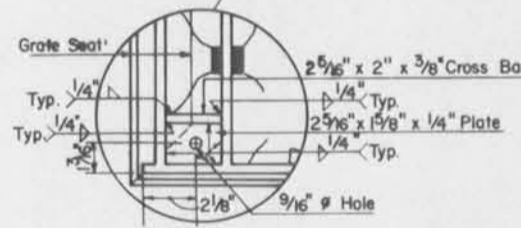
PLAN AND ELEVATION VIEWS OF DRAIN GRATE
WELDED AND SEALED GRATE
NOTE: Continuous Weld for Full Depth each Bearing Bar to End Bars and Cross Bars.
All Bearing Bars to be set flush on Grate Seat.
Weight of Drain Grate = 233 lbs. ± 5%



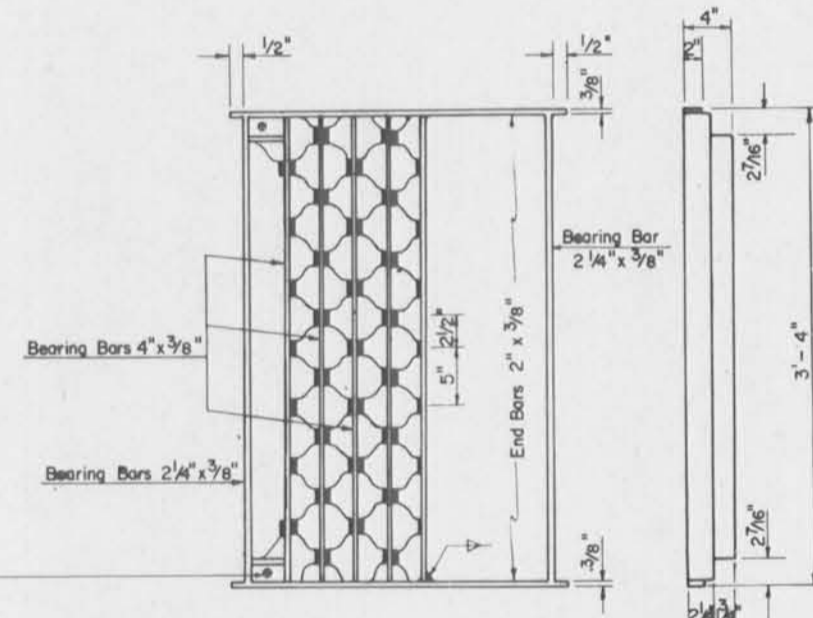
DETAIL OF HOLD-DOWN PLATE
WELDED AND SEALED GRATE

TYPE "C"

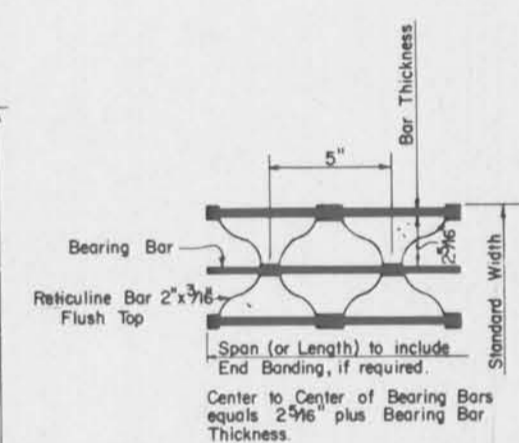
NOTE: Grates to be Galvanized after Fabrication.
Unless otherwise stated, TYPE "E" Seat is to be used with these Grates. (See Sheet 2).
Supplier of Grate also is to furnish Pre-Fitted Grate Seat.



DETAIL OF HOLD-DOWN PLATE
RIVETED RETICULINE GRATE



PLAN OF RIVETED RETICULINE GRATE ALTERNATE
NOTE: Continuous Weld for Full Depth each Bearing Bar to End Bars. All Bearing Bars to be set flush on Grate Seat.



DETAIL OF DRAIN GRATE (ALT)
Weight of Drain Grate = 266 lbs. ± 5%

DATE	DESCRIPTION	BY
8-25-80	Added Type "N" & "O" on Sht. 5	WTJ
2-10-78	Revised Note Type C - Anchor Type E & E, WTJ	WTJ

STANDARD PLAN NO.	MC - 01	1 of 5
DETAILS OF GRATES, GRATE SEATS, FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES		
DATE AUG. 15, 1977		
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT OFFICE OF HIGHWAYS		
DESIGNED	WTJ	TRACED
CHECKED	WTJ	CHECKED
APPROVED	WTJ	DATE 1-26-80

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
1401 BELLAND, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODLESKI & MASTERS INC.
NEW ORLEANS, LOUISIANA

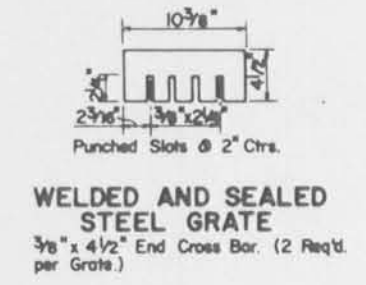
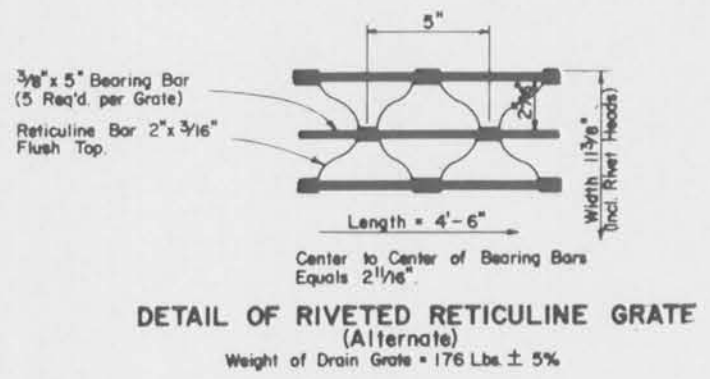
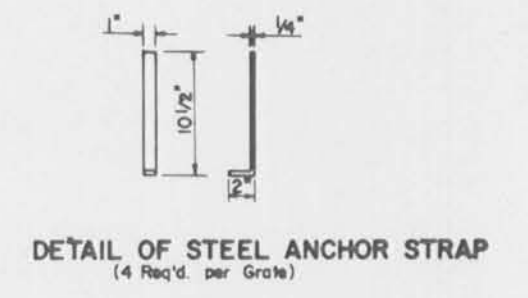
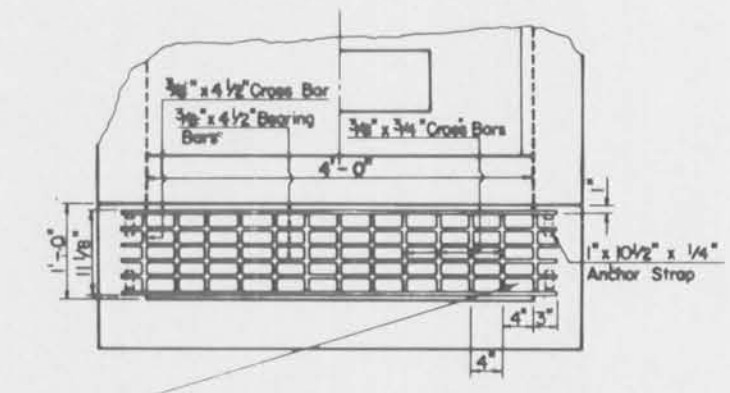
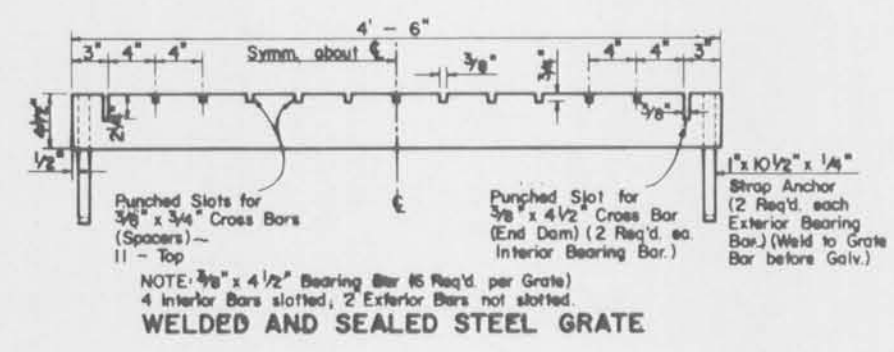
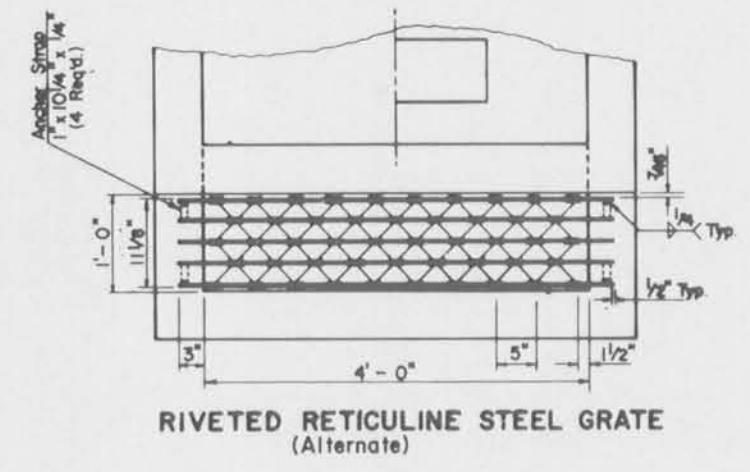
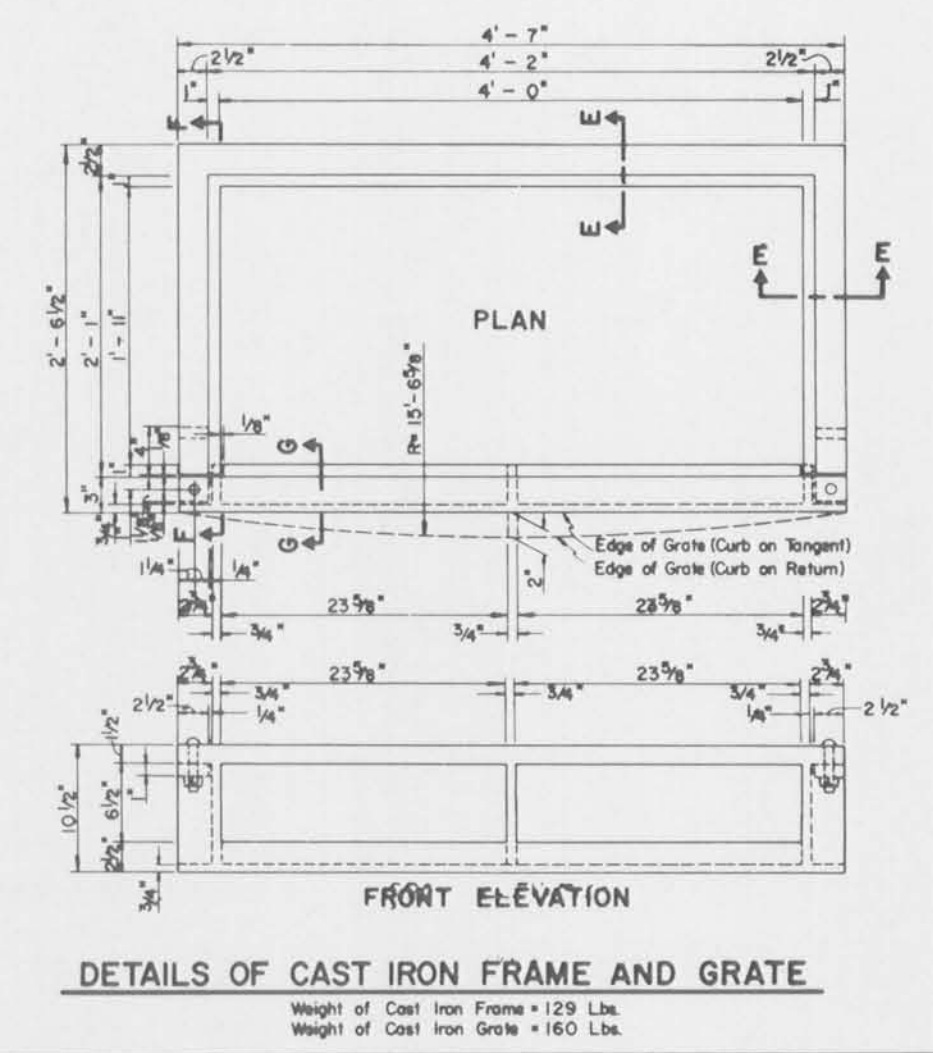
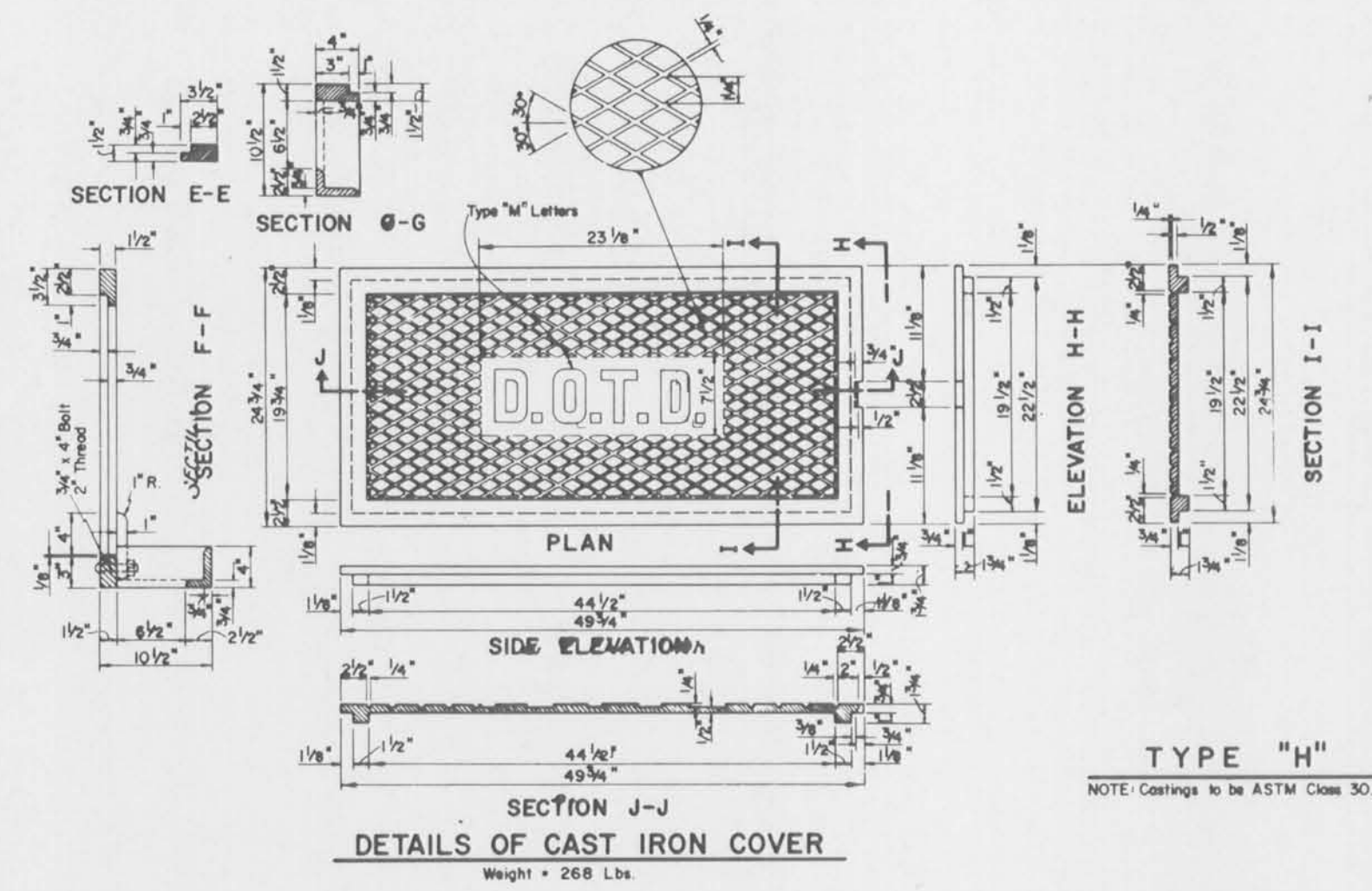
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

LADOT
STANDARD PLANS

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	JUNE 95	1	JUNE 95
CHECKED BY:	CADD FILE:	MMMS.DGN	FILE NO.
SUBMITTED BY:	SOLICITATION NO.	DACW29-95-B-0095	H-4-40359
W.B. CONWAY DESIGN ENGINEER			DWG. 70 OF 79



Safety is a Part of Your Contract



TYPE I
Grate to be Galvanized after Fabrication

STANDARD PLAN NO.	MC - 01	3 of 5
DETAILS OF GRATES, GRATE SEATS, FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES		
DATED Aug 15, 77		
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT OFFICE OF HIGHWAYS		
DESIGNED	WTJ	TRADEL
CHECKED	WTJ	CHECKED
APPROVED	<i>David Coleman</i>	DATE 8-25-80
REVISIONS		
8-25-80 Added Type "H" & "O" on Sht. 5		
2-10-78 Revised Note Type C-Anchor Type E & E.		

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS, INC.
NEW ORLEANS, LOUISIANA

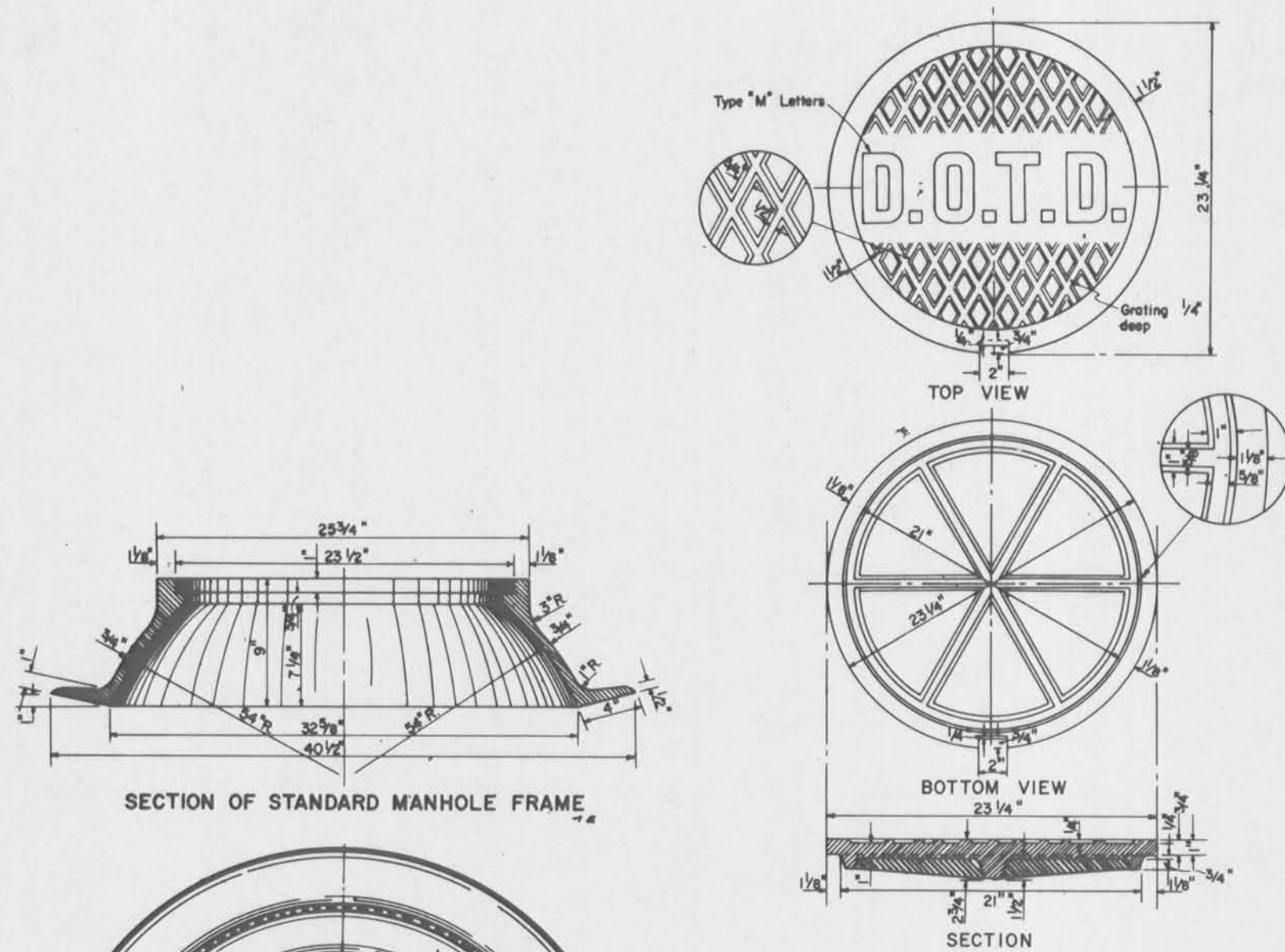
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

**LADOT
STANDARD PLANS**

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	JUNE 95	I	JUNE 95
CHECKED BY:	CAO FILE: MMM6.DGN		FILE NO.
SUBMITTED BY:	W.B. CONWAY		H-4-40359
DESIGN ENGINEER	DACW29-95-B-0095		DWG. 72 OF 79



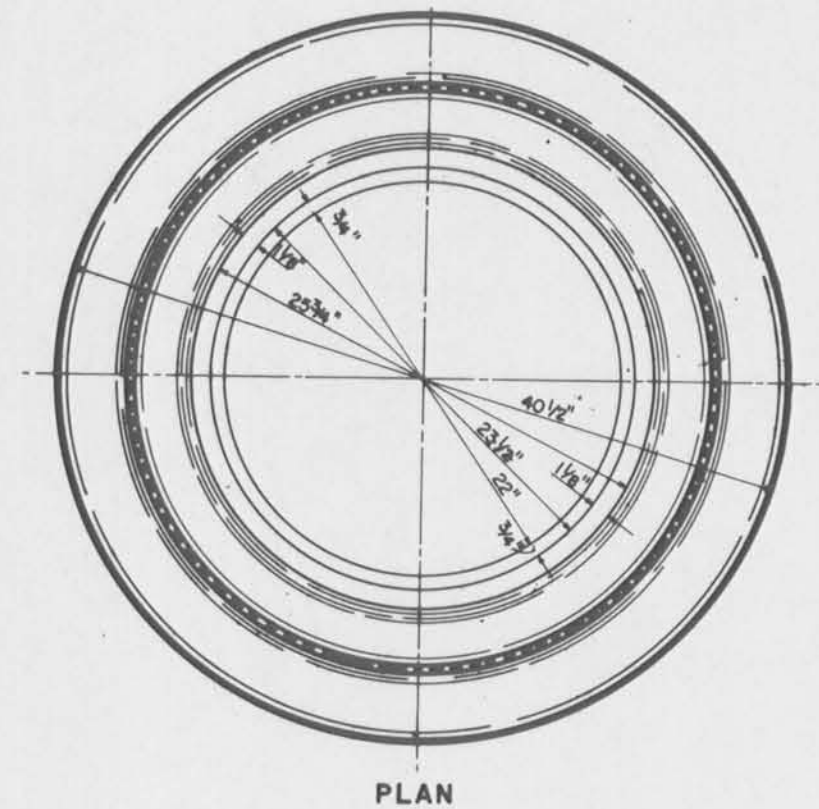
Safety is a Part of Your Contract



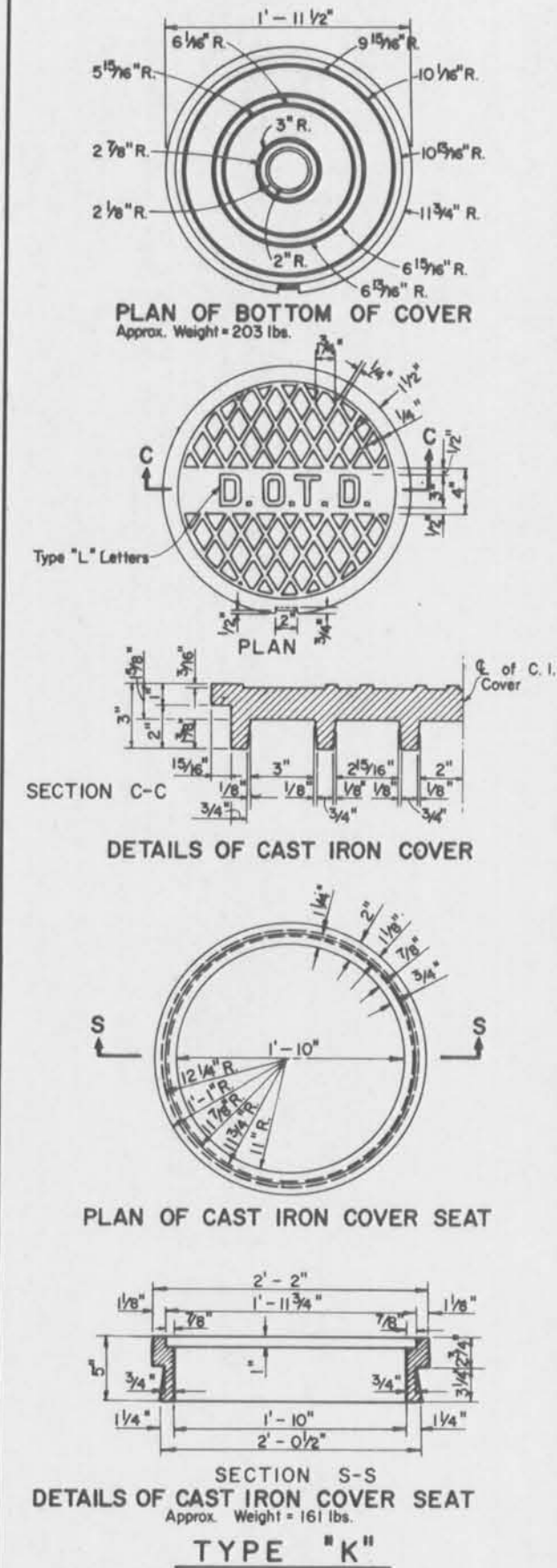
SECTION OF STANDARD MANHOLE FRAME

MANHOLE COVER FOR STANDARD MANHOLE FRAME
TYPE "J"

NOTE: Approx. Weight of Cover & Frame = 440 lbs.



PLAN



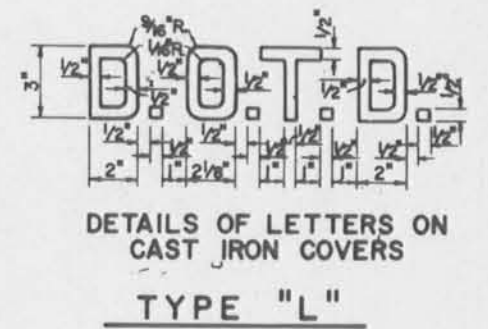
PLAN OF BOTTOM OF COVER
Approx. Weight = 203 lbs.

DETAILS OF CAST IRON COVER

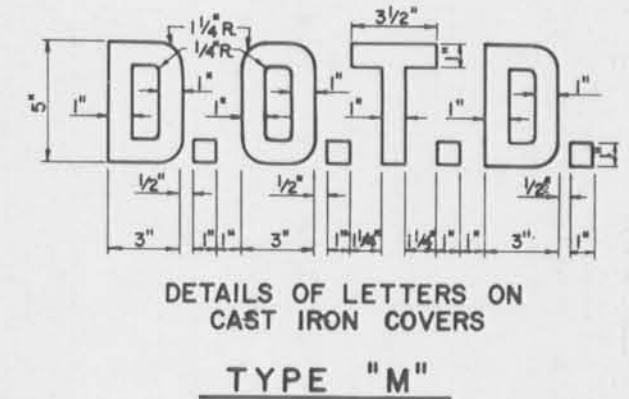
PLAN OF CAST IRON COVER SEAT

SECTION S-S
DETAILS OF CAST IRON COVER SEAT
Approx. Weight = 161 lbs.

TYPE "K"



DETAILS OF LETTERS ON CAST IRON COVERS
TYPE "L"



DETAILS OF LETTERS ON CAST IRON COVERS
TYPE "M"

STANDARD PLAN NO.	MC - 01	4 of 5
DETAILS OF GRATES, GRATE SEATS, FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES		
DATED Aug. 15, 1977		
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT OFFICE OF HIGHWAYS		
DESIGNED	WTJ	TREGE
CHECKED	WTJ	CHECKED
APPROVED	<i>David Shaw</i>	DATE 2-25-80
REVISIONS		



U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

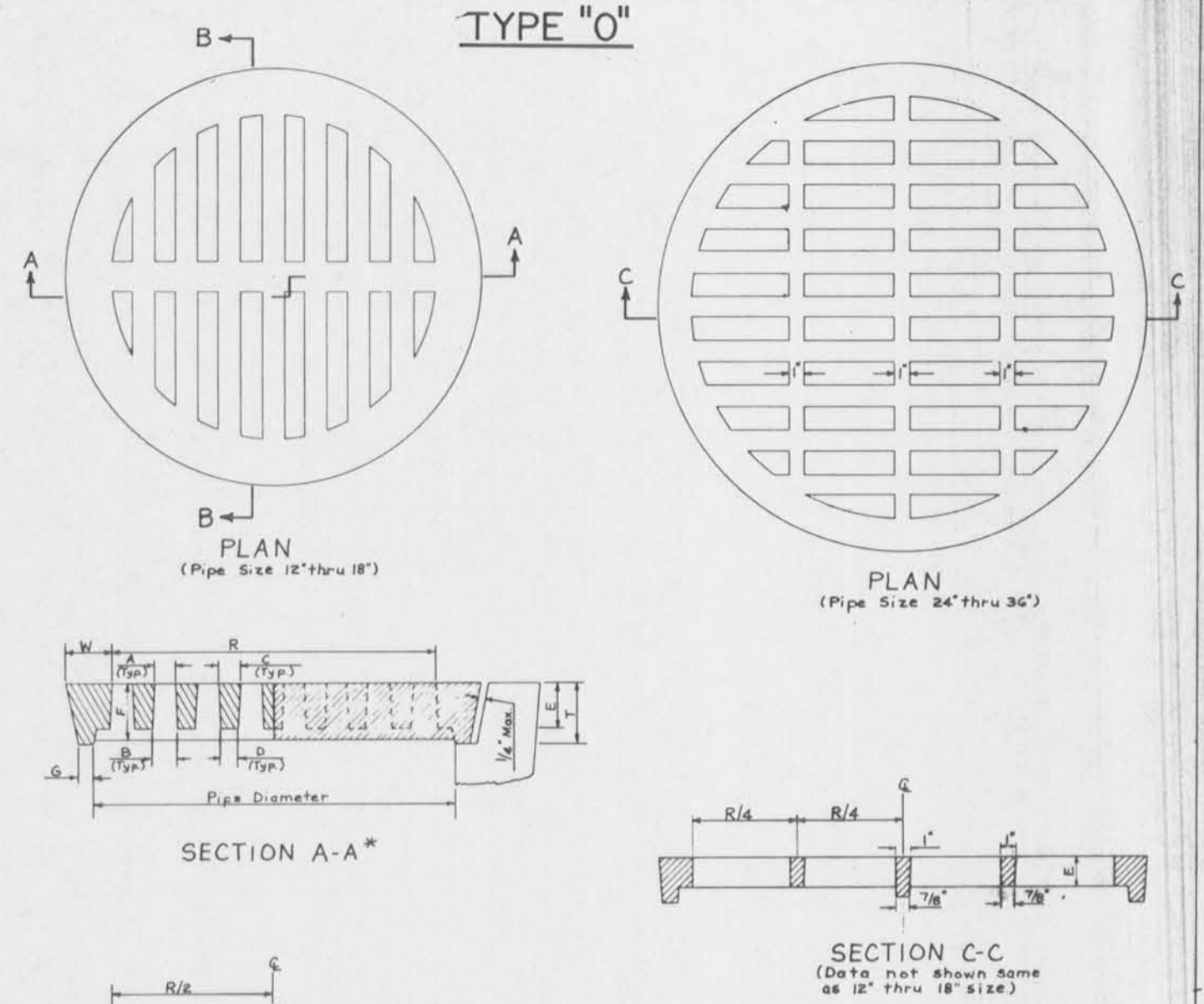
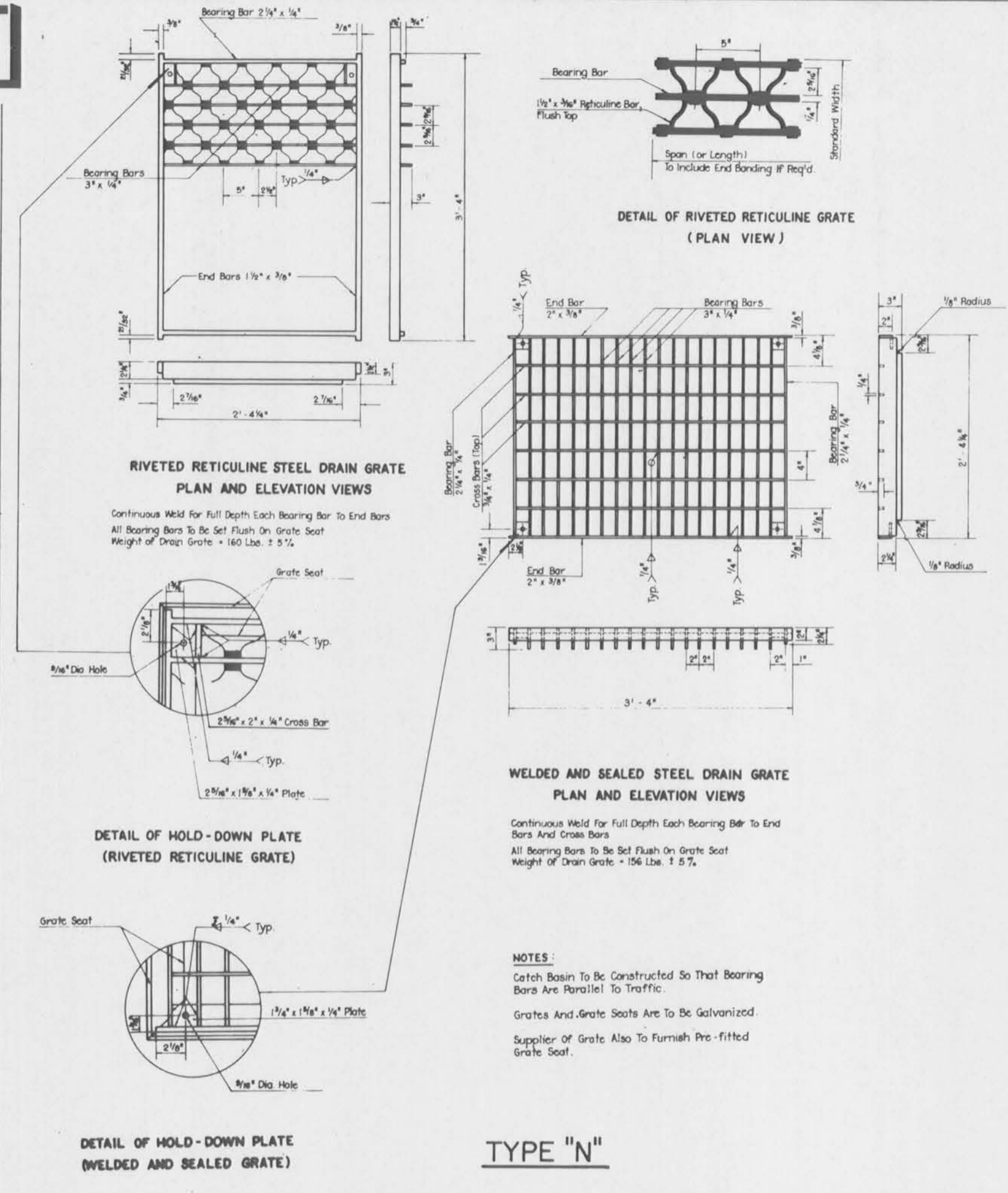
MODRESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

LADOTD
STANDARD PLANS

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	JUNE 95	1	JUNE 95
CHECKED BY:	CARD FILE:	MMMS.DGN	FILE NO.:
SUBMITTED BY:	W.B. CONWAY	DACW29-95-B-0095	H-4-40359
DESIGN ENGINEER			DWG. 73 OF 79

Safety is a Part of Your Contract



PIPE SIZE	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	R
12	1 1/16	1 3/16	3/4	5/8	1 1/2	1 1/2	1 1/2	10 3/4
15	7/8	1	1	7/8	1 1/2	1 3/4	1 3/4	14
18	1 1/16	1 5/16	1	7/8	1 1/2	2	5/8	16 1/2
24	1 11/16	1 13/16	1 1/2	1 1/8	1 1/2	2 1/4	3/4	22 1/4
30	1 9/16	1 11/16	1 3/4	1 1/4	2	2 5/8	1	28
36	2	2 1/8	1 1/2	1 3/8	2	2 3/4	1	33 1/2

NOTES: To insure a proper fit of the grate in each pipe suppliers product, the grate manufacturer should be furnished by the Contractor or Pipe Supplier, the dimensions shown in the sketch at left and in Sec. A-A, and described below.

Dimension W = 1/2 (Diam. Φ - R - 1/4")
Dimension G = 1/2 (Diam. Φ - Pipe Diam. - 1/4")
Subject to G minimum shown in table.
Dimension T = Dimension P
Subject to Dimension F minimum.

Materials shall conform to D.O.T.D. Standard Specifications for catch basin frames & grates.
This Basin is not to be used in areas subject to vehicular traffic.

STANDARD PLAN NO. **MC-01** PAGE **5** OF **5**

DETAILS OF GRATES, GRATE SEATS, FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
OFFICE OF HIGHWAYS

DESIGNED: [] REVALED: [] FRAMES: []
CHECKED: [] CHECKED: [] CHECKED: []
APPROVED: [] DATE: []

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODRESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA

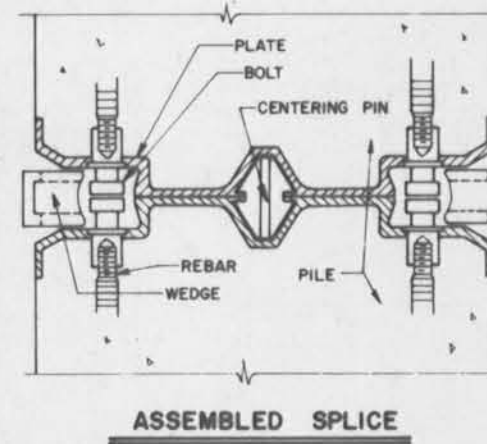
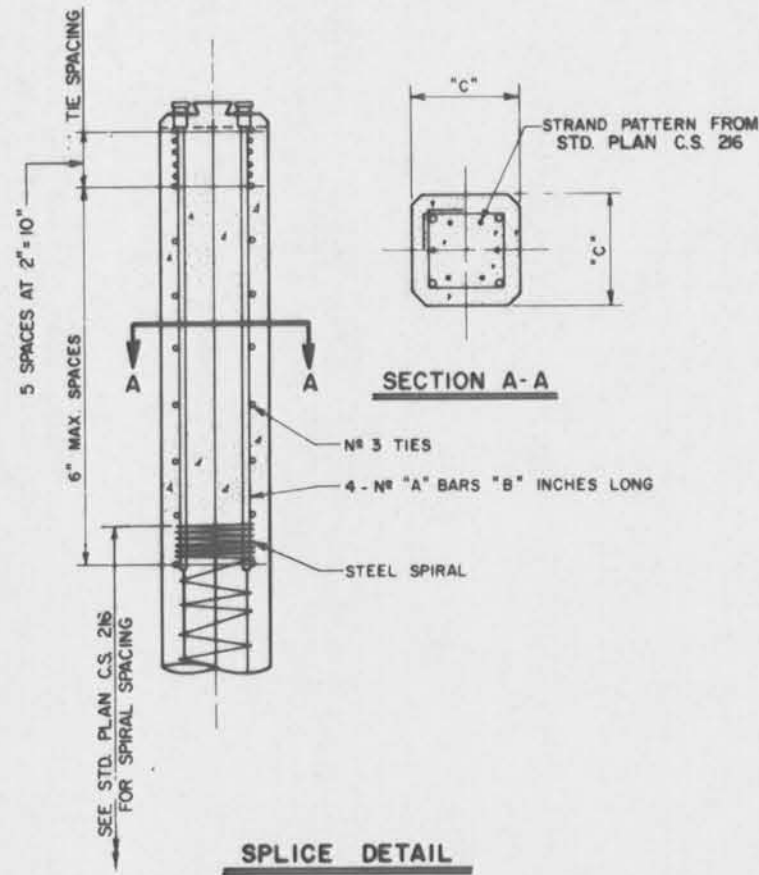
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

LADOT STANDARD PLANS

DESIGNED BY: [] DATE: JUNE 95 PLOT SCALE: 1 PLOT DATE: JUNE 95
DRAWN BY: [] CHECKED BY: [] CADD FILE: MMM6.DGN FILE NO. H-4-40359
SUBMITTED BY: W.B. CONWAY DESIGN ENGINEER SOLICITATION NO. DACW29-95-B-0095 DRG. 74 OF 79



Safety is a Part of Your Contract



PILE SIZE "C"	REINFORCING BAR SIZE "A"	LENGTH "B"	COLOR CODE FOR PLATES AND WEDGES	IDENTIFYING STAMP MARK ON PLATES	IDENTIFYING STAMP MARK ON WEDGES
14"	N# 8	48"	RED	350	3
16"	N# 10	48"	BLACK	400	4
18"	N# 10	60"	BLUE	450	4

FABRICATION OF PILE SEGMENTS: SPLICE PLATES ARE TO BE IDENTICAL TO AVOID CASTING YARD ERRORS. THE SPLICE PLATES SHALL BE CAST SQUARE WITH THE PILE ENDS AND PARALLEL TO EACH OTHER. A TEMPLET OR OTHER DEVICE SHOULD BE USED IN THE CASTING BED TO MAINTAIN SPACING AND POSITION OF SPLICE PLATES DURING THE POURING OPERATIONS. PILES WITH SPLICE PLATES WHICH ARE OUT OF SQUARE BY MORE THAN 1/8" IN 12" WILL BE REJECTED AS RESULTING ECCENTRICITIES MAY CAUSE DAMAGE TO THE PILES IN DRIVING.

WHEN PROPERLY INSTALLED, THE HEAD OF THE BOLT WILL ALWAYS BE 1/16" TO 1/8" LOWER THAN THE PLATE SURFACE. A NUT HOLDER IS USED TO KEEP THE BOLTS IN PLACE DURING CASTING AND WILL BE REMOVED AFTER CONCRETE HAS SET. THE REBARS SHALL BE KEPT ALIGNED AND PARALLEL TO EACH OTHER DURING CASTING. TO INSURE PROPER CONSOLIDATION AND FILLING OF VOIDS, A VIBRATOR SHALL BE USED NEAR THE SPLICE PLATES AND WITHIN THE LIMITS OF THE ANCHORAGE REBARS. GRINDING WILL BE REQUIRED FOR ANY STRANDS WHICH PROTRUDE PAST THE FACE OF THE PLATE.

FIELD SPlicing OF PILES: CUSHION BLOCKS SHALL BE USED IN DRIVING THE LOWER PILE ELEMENT TO PREVENT DAMAGE TO THE SPLICE PLATE. TO FACILITATE THE SPlicing INSPECTION, THE SPLICE SHOULD BE MADE APPROXIMATELY 4 FEET ABOVE THE GROUND. AS THE PILES ARE CAST WITH SIDE DRAFT, IT IS VERY IMPORTANT THAT THE UPPER AND LOWER PILE ELEMENTS BE PROPERLY ALIGNED AND ORIENTED. THE CONE SHALL BE PLACED IN THE CENTER OF THE LOWER ELEMENT AND THE TOP ELEMENT ORIENTED AND PLACED SUCH THAT THE ALIGNMENT MARKS (ARROW HEADS) ON THE UPPER AND LOWER ELEMENTS ARE ON THE SAME FACE OF THE PILE. AFTER THE UPPER ELEMENT IS PROPERLY ORIENTED AND SEATED, ALL FOUR WEDGES SHALL BE INSERTED AND TAPPED LIGHTLY INTO POSITION. THE WEDGES WILL NOW BE DRIVEN IN UNTIL THE WEDGE IS APPROXIMATELY 3/8" DEEPER THAN THE EDGE OF THE SPLICE PLATE. WITH THE WEDGES FULLY DRIVEN, AND WITH THE AID OF A PUNCH, DRIVE THE PINS LOCATED ON THE SIDES OF THE SPLICE PLATE AND THEN BEND THE TIPS OF THE SPLICE PLATE INWARD. THIS WILL INSURE THAT THE WEDGES ARE LOCKED IN PLACE. AFTER INSPECTION OF THE COMPLETED SPLICE, PILE DRIVING OPERATIONS MAY BE RESUMED. THE PILE ELEMENT LENGTHS SHALL BE SUCH THAT THE PILE SPLICE WILL BE LOCATED AT APPROXIMATELY MIDLENGTH OF THE PILE AND NOT LESS THAN 15 FEET BELOW THE GROUNDLINE AFTER FINAL DRIVING.

MATERIALS: THE SPLICE PLATE STEEL SHALL CONFORM TO ASTM A536 GRADE 60-40-18. THE BOLTS SHALL BE MACHINED FROM COLD-ROLLED STEEL CONFORMING TO AISI C1043 OR SAE 1045 AND HAVE A BORED OUT THREADED OPENING FOR SCREW ATTACHMENT OF THE REINFORCING STEEL. THE ALIGNMENT CONE SHALL BE A ZINC ALLOY DIE CASTING CONFORMING TO ASTM B86, AG-40A. THE WEDGES SHALL BE A CARBON STEEL CASTING CONFORMING TO ASTM A220, GRADE 60004. THE STEEL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. THE PLATES AND WEDGES SHALL BE COLOR CODED AS WELL AS STAMPED WITH IDENTIFICATION MARKINGS AS SHOWN IN THE ABOVE TABLES TO INSURE THAT THE CORRECT COMPONENT COMBINATIONS ARE EASILY VERIFIED.

PAYMENT: THERE WILL BE NO DIRECT PAYMENT FOR SPlicing OF PILES. ALL COST FOR SPlicing TO BE INCLUDED IN THE PRICE BID ON PILING.

NOTES: THE PILE SPLICE SHOWN IS THE DYNA-A-SPLICE MANUFACTURED BY A-JOINT CORPORATION P.O. BOX 1943, NORTH BRUNSWICK, N.J. 08902, PHONE (201) 249-8843.



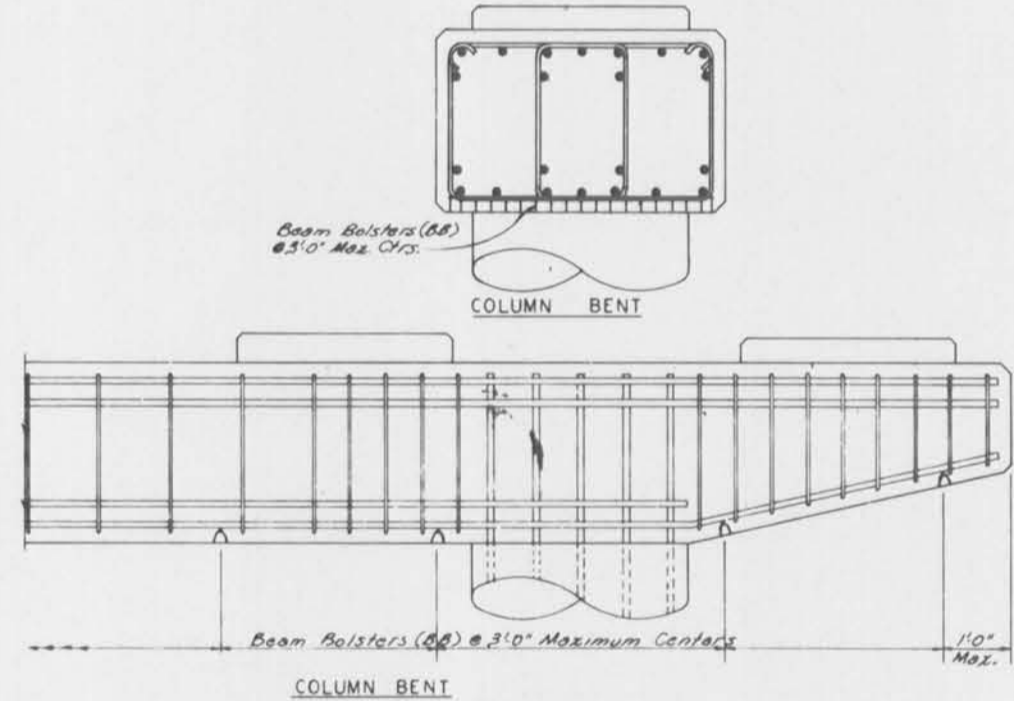
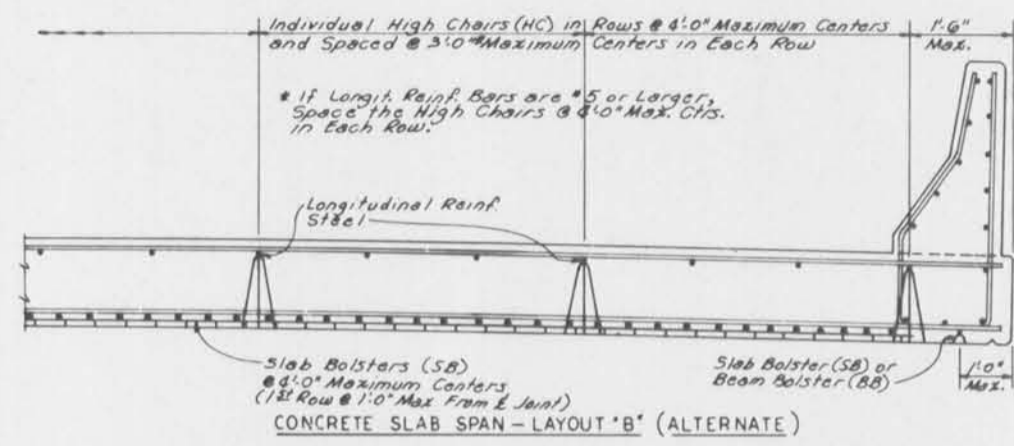
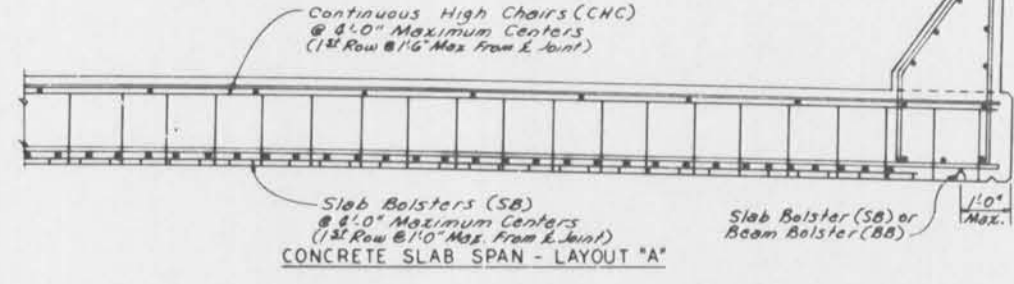
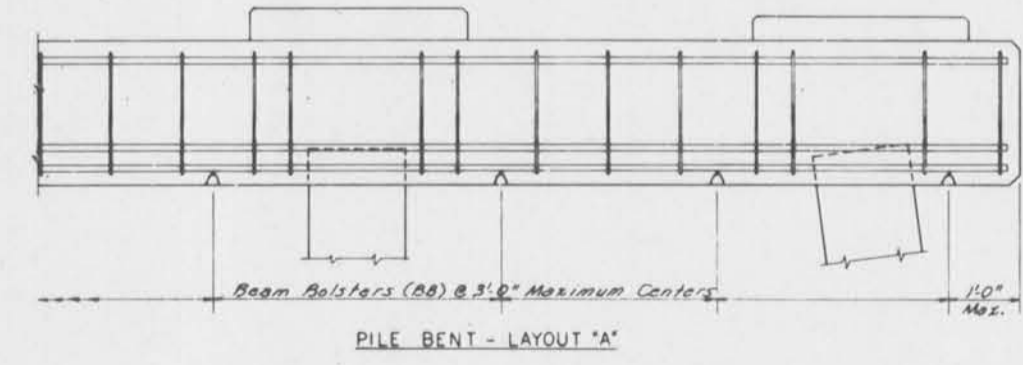
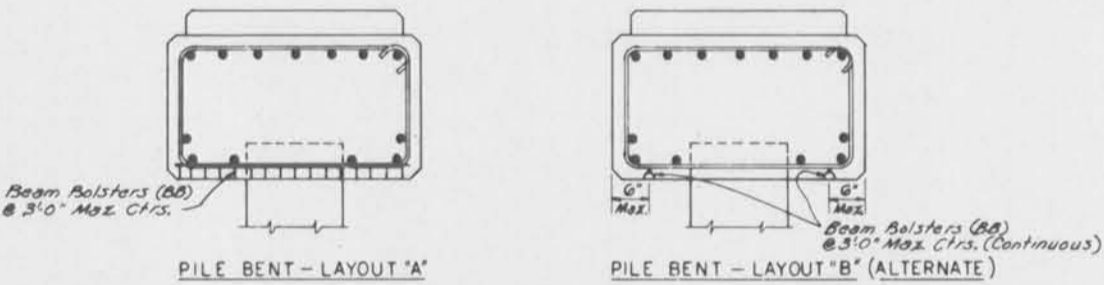
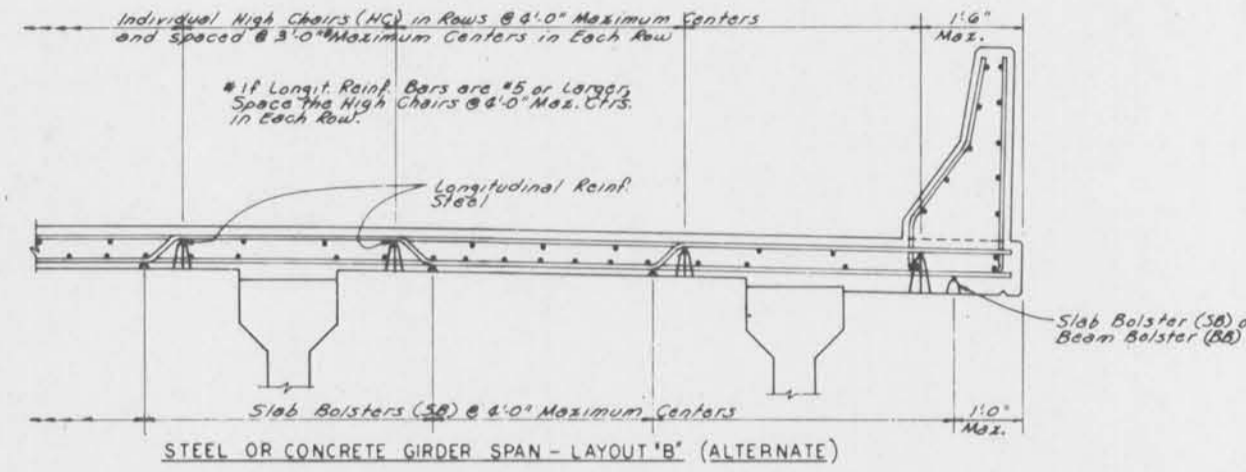
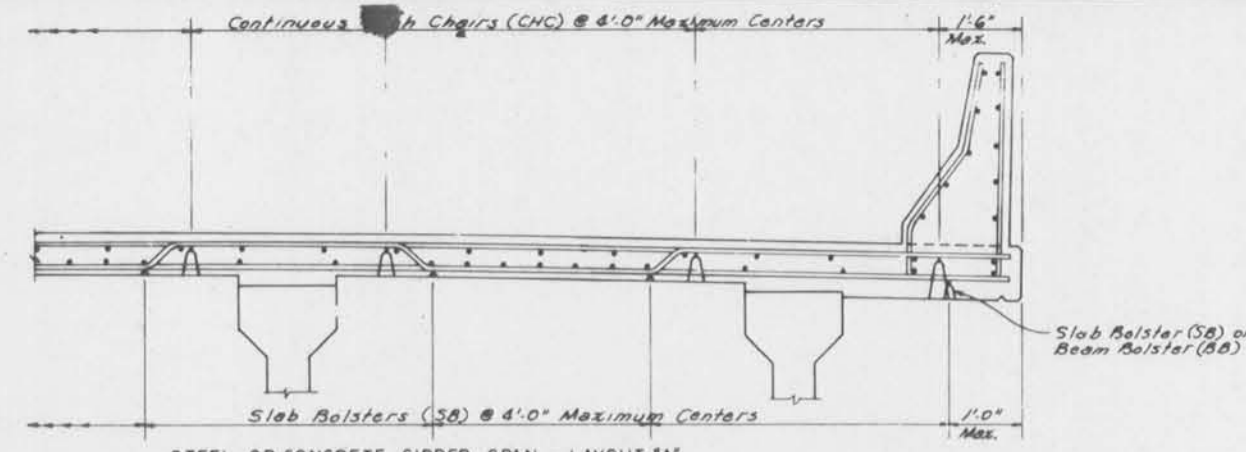
ALTERNATE PILE SPLICE (DYNA-A-SPLICE)

STATE OF LOUISIANA		DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
DESIGNED BY	CHECKED BY	DATE	BY
1-21-81 PILE STANDARD CHANGE	W.B. CONWAY	JUNE 95	W.B. CONWAY
10/1/80 A-JOINT CORP ADDRESS CHANGE			
REVISIONS			

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS			
CORPS OF ENGINEERS			
NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS		BOARD OF LEVEE COMMISSIONERS	
ORLEANS LEVEE DISTRICT		EAST JEFFERSON LEVEE DISTRICT	
NEW ORLEANS, LOUISIANA		EAST JEFFERSON, LOUISIANA	
MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY			
HIGH LEVEL PLAN			
17TH STREET OUTFALL CANAL			
METAIRIE RELIEF			
ORLEANS PARISH-JEFFERSON PARISH			
LOUISIANA			
LADOTD			
STANDARD PLANS			
DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	JUNE 95	1	JUNE 95
CHECKED BY:			
SUBMITTED BY:	CADD FILE:	SOLICITATION NO.	FILE NO.
W.B. CONWAY	MMMG.DGN	DACW29-95-B-0095	H-4-40359
DESIGN ENGINEER			DWG. 76 OF 79



Safety is a Part of Your Contract



TYPE OF SUPPORT	BAR SUPPORT ILLUSTRATION	MINIMUM WIRE SIZES Δ		REMARKS
		HEIGHT	TOP LEGS	
Slab Bolster (SB)		All	N# 6 Corrugated	Vert. Corrugations Spaced 1" on Centers
Beam Bolster (BB)		Up to 2"	N# 7	
		Over 2"	N# 8	
Individual High Chair (HC)		4" to 5"	N# 8	
		5" to 9"	N# 8	
		Over 9"	N# 10	
Continuous High Chair (CHC)		4" to 5"	N# 8	
		5" to 9"	N# 8	
		Over 9"	N# 10	

Δ Legs at 20 degrees or less with vertical. When height exceeds 12", reinforce legs with welded cross wires or encircling wires.
 † Legs at 20 degrees or less with vertical. All legs 8 1/4" on center maximum, with leg within 8" of end of chair, and spread between legs not less than 50% of nominal height.
 Δ American Steel & Wire Gauges.

GENERAL NOTES:
 Steel Wire Bar Supports shall be in accordance with the latest Approved Louisiana Std. Specs. for Roads and Bridges, 1982, as Amended by Special Provisions and/or Supplemental Specifications.
 Reinforcing Steel Bars shall be tied in accordance with the latest Approved Louisiana Std. Specs. for Roads and Bridges, 1982, as amended by Special Provisions and/or Supplemental Specifications.
 A N# 5 Bar with Individual High Chairs @ 4'-0" Max. Ctrs. or A N# 4 Bar with Individual High Chairs @ 3'-0" Max. Ctrs. may be substituted on a one-for-one basis for the Continuous High Chairs.
 Height of Bar Supports to be that required to support the Reinf. Bars in Positions Shown on Plans.
 Bar Supports are not intended, and shall not be used, to support Runways for Concrete Buggies or Similar Loads.

When bar supports are placed in continuous lines, they shall be so placed that the ends of the supporting wires shall be lapped to lock the last legs on adjoining pieces, but no bar shall be placed more than 2" beyond the last leg at the end of a run of any continuous supports.

Where bar supports are used on earth or aggregate subgrades, suitable plates shall be provided to prevent displacement of the support foot. All bar supports bearing on the forms shall have radius bearing legs in the form of a hook (upturned legs) or spherical foot at the lower end of the legs.

6-8-85 Std. Specs. Date & Min. Wire Sizes	202			
3-10-77 Gen. Notes	205			
1-21-78 Note regarding upturned legs	206			
DATE	DESCRIPTION	BY	CHECKED	DATE
	REVISIONS			

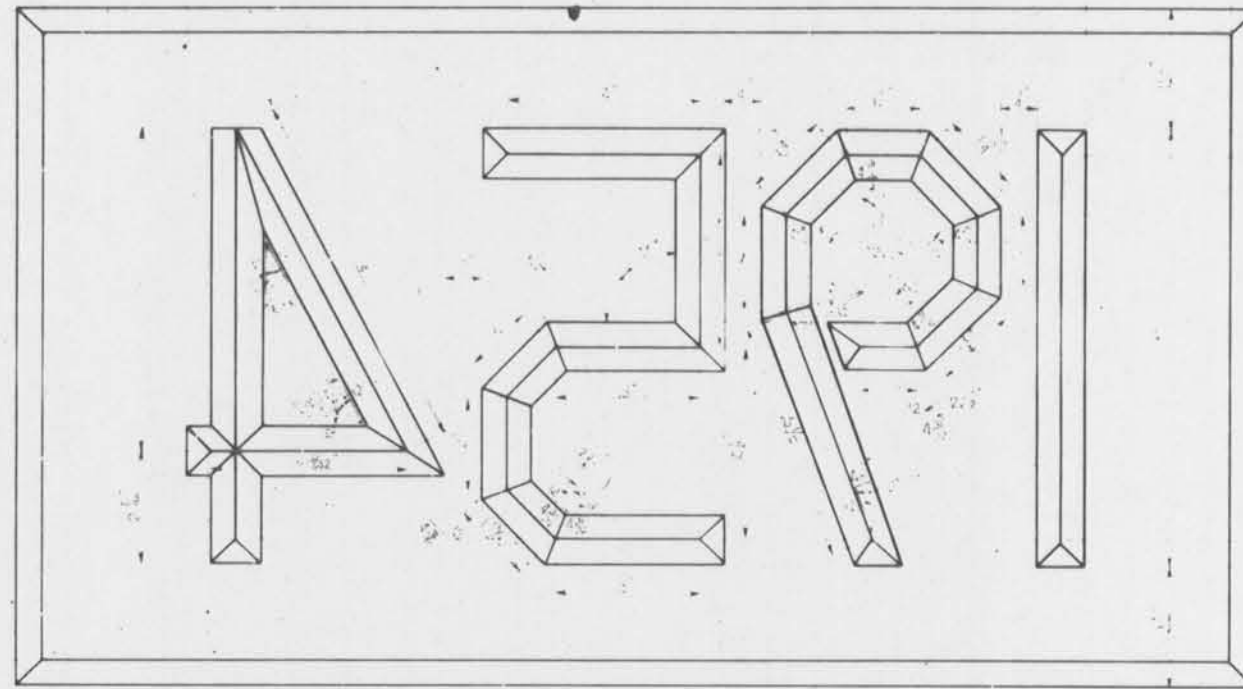
S.W.B.S. 100

STEEL WIRE BAR SUPPORTS
 STANDARD PLAN
 BAR SUPPORTS
 FOR
 REINFORCING STEEL
 DATED March 27, 1978
 STATE OF LOUISIANA
 DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
 OFFICE OF HIGHWAYS
 DESIGNED: [Signature] TRACED: [Signature]
 CHECKED: [Signature] CHECKED: [Signature]
 BRIDGE & STRUCTURAL DESIGN SECTION
 APPROVED: [Signature] CHIEF ENGINEER DATE: [Date]

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA
 BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA
 BOARD OF LEVEE COMMISSIONERS
 EAST JEFFERSON LEVEE DISTRICT
 EAST ORLEANS, LOUISIANA
 MODRESKI & MASTERS INC.
 NEW ORLEANS, LOUISIANA
 LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET OUTFALL CANAL
 METAIRIE RELIEF
 ORLEANS PARISH-JEFFERSON PARISH
 LOUISIANA
 LADOT
 STANDARD PLANS
 DESIGNED BY: [Signature] DATE: JUNE 95 PLOT SCALE: 1 PLOT DATE: JUNE 95
 DRAWN BY: [Signature] FILE NO. H-4-40359
 CHECKED BY: [Signature] CADD FILE: MMB6.DGN
 SUBMITTED BY: W.B. CONWAY SOLICITATION NO. DACW29-95-B-0095
 DESIGN ENGINEER DATE: [Date] DRG. 77 OF 79



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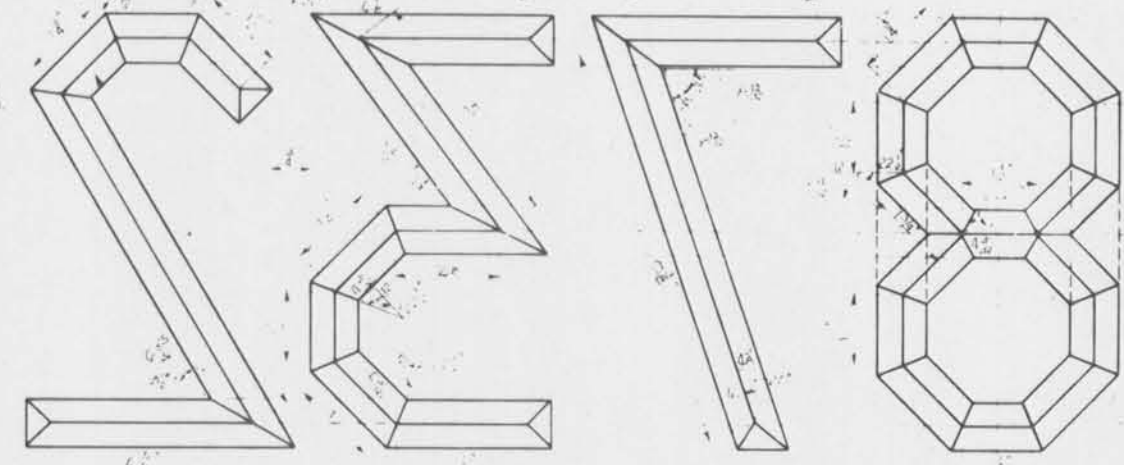


YEAR PLATE

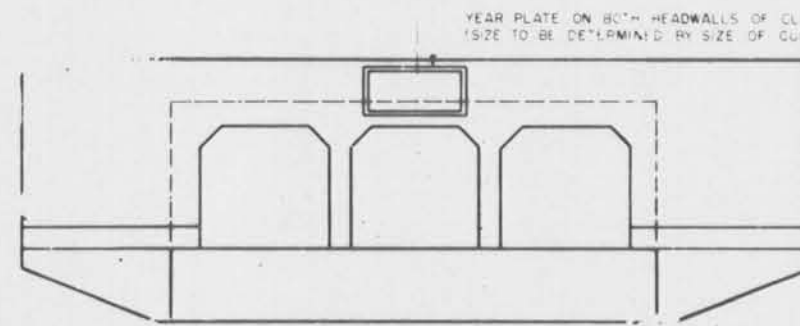
DIMENSIONS SHOWN ARE FOR LARGE PLATE, USE ONE HALF (1/2) ABOVE DIMENSIONS FOR SMALL PLATES
YEAR PLATE TO CORRESPOND TO YEAR IN WHICH STRUCTURE IS COMPLETED

LARGE YEAR PLATE

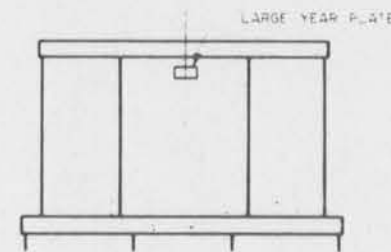
SMALL YEAR PLATE



NOTE:
FIGURE 'E' TO BE '9' INVERTED
FIGURE 'O' TO BE MADE AS DASHED LINES INDICATE ON DETAIL OF FIGURE 'B'
FIGURE DETAILS ARE HALF SCALE FOR LARGE YEAR PLATE
FIGURE DETAILS ARE FULL SCALE FOR SMALL YEAR PLATE
DIMENSIONS SHOWN ARE FOR LARGE YEAR PLATE
USE 1/2 DIMENSIONS SHOWN FOR SMALL YEAR PLATE



CULVERT ELEVATION



PIER ELEVATION

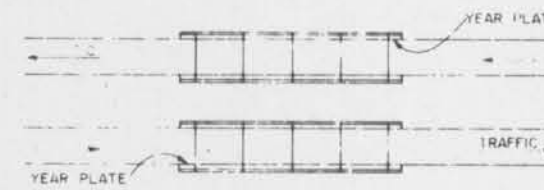
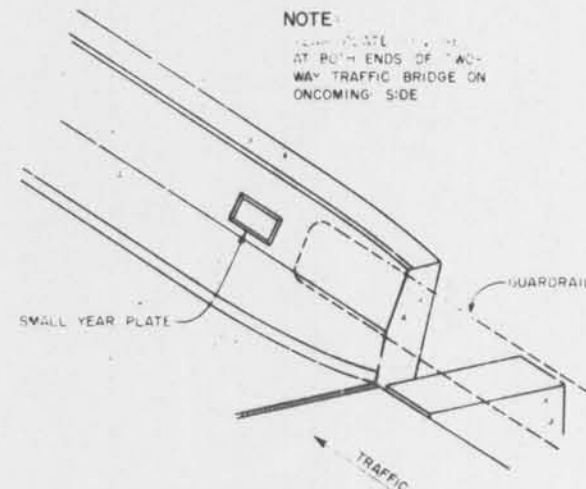
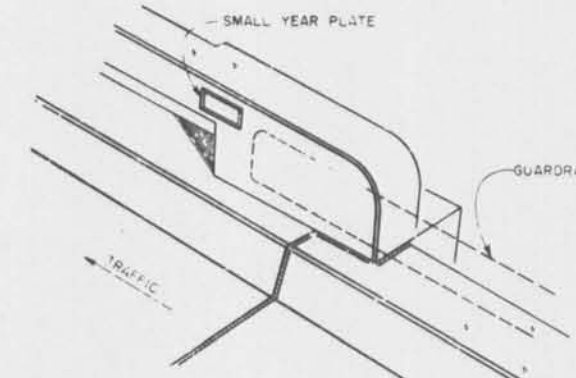


PLATE LOCATIONS FOR TWIN BRIDGE SITES

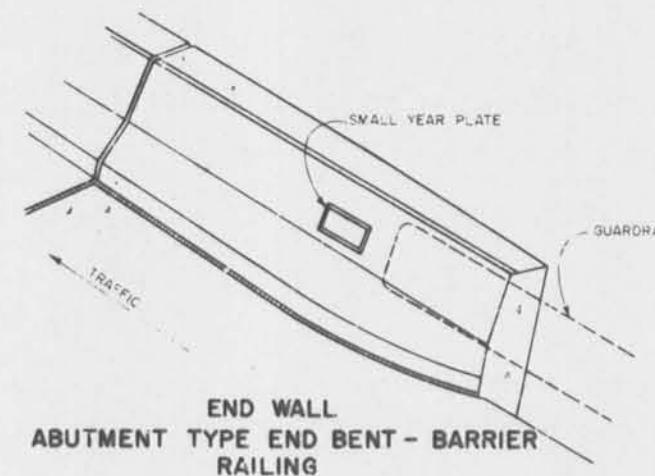
NOTE:
YEAR PLATE TO BE LOCATED AT BOTH ENDS OF TWO-WAY TRAFFIC BRIDGE ON ONCOMING SIDE



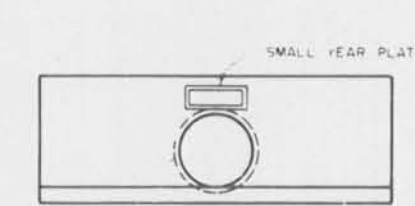
END WALL BARRIER TYPE BRIDGE RAILING



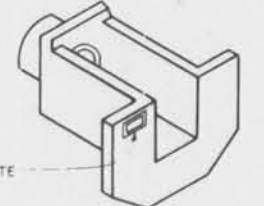
END WALL BRUSH CURB TYPE BRIDGE RAILING



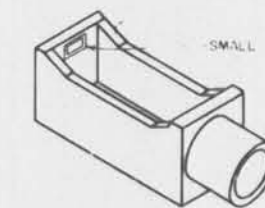
END WALL ABUTMENT TYPE END BENT - BARRIER RAILING



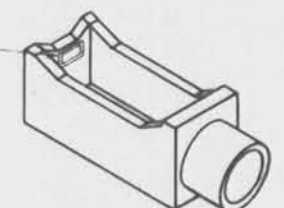
PIPE CULVERT HEADWALL
YEAR PLATE REQUIRED ON BOTH HEADWALLS OF CULVERT



PIPE HEADWALL OPEN END



PIPE HEADWALL OPEN BOX TYPE
END WALL WITHOUT WEIR



PIPE HEADWALL OPEN BOX TYPE
END WALL WITH WEIR

SKETCHES SHOWING LOCATION OF YEAR PLATE ON VARIOUS CONCRETE STRUCTURES

DATE	DESCRIPTION	BY	REVISIONS
2-21-74	UPDATED	DSH	
5-25-66	RETRACTED	V.M.	
2-25-55	REDETAILED & RETRACTED	WD, E.C.	
1-46	DELINEATOR OMITTED	C.E.H.	
3-44	DELINEATOR ADDED	S.C.M.	
10-40	NEW SPECS. & REORG.	M.H.	
10-40	RETRACTED		

STANDARD PLAN
YEAR PLATES
FOR CONCRETE STRUCTURES
(TO BE USED WITH STD. PLAN C.M. 95
WHEN ALPHABET IS REQ'D.)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
OFFICE OF HIGHWAYS

APPROVED: *[Signature]* DATE: 12/1/97

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

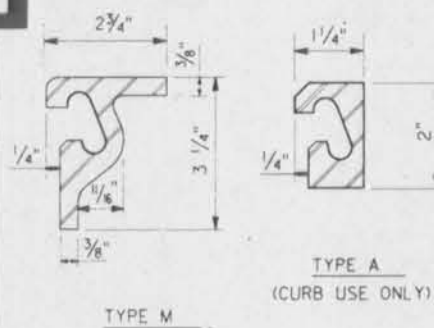
LADOTD
STANDARD PLANS

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	JUNE 95	1	JUNE 95
CHECKED BY:	CADD FILE:	MMMG.DGN	FILE NO.:
			H-4-40359
SUBMITTED BY:	SOLICITATION NO.:	DACW29-95-B-0095	DWG. 78 OF 79
W.B. CONWAY DESIGN ENGINEER			

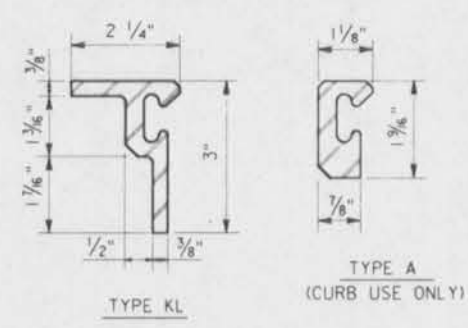


Safety is a Part of Your Contract

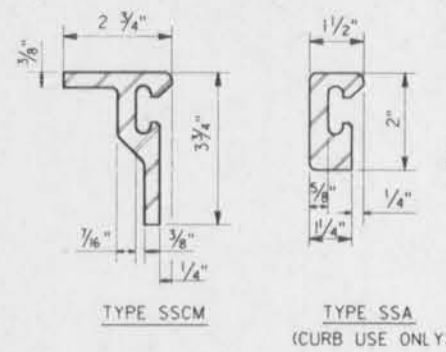
WATSON-BOWMAN /ACME
ROLLED STEEL SHAPE *



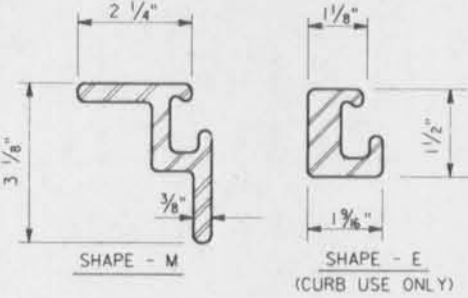
ONFLEX
STEEL EXTRUSIONS



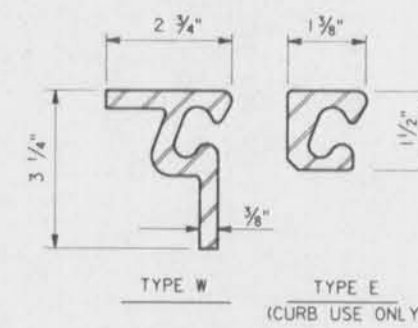
D.S.BROWN
ROLLED STEEL SHAPE *



ESCO
STEEL EXTRUSIONS



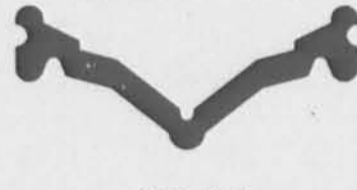
E-POXY INC.
STEEL EXTRUSIONS



NEOPRENE EXTRUSIONS



NEOPRENE EXTRUSIONS



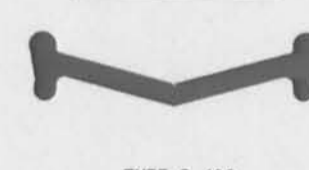
NEOPRENE EXTRUSIONS



NEOPRENE EXTRUSIONS

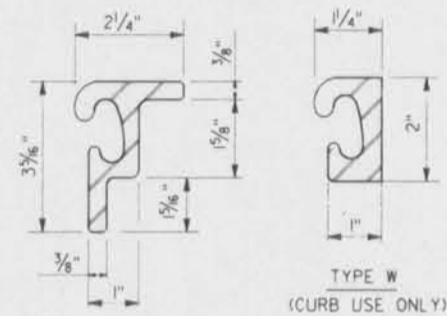


NEOPRENE EXTRUSIONS

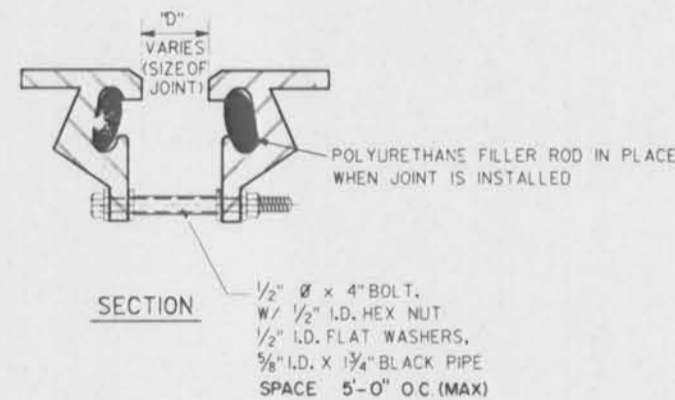
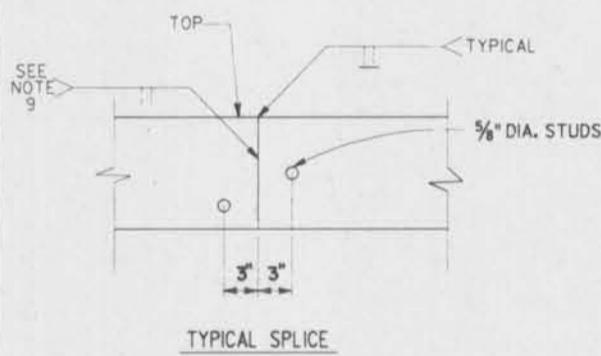


LENCO

STEEL EXTRUSIONS



NEOPRENE EXTRUSIONS

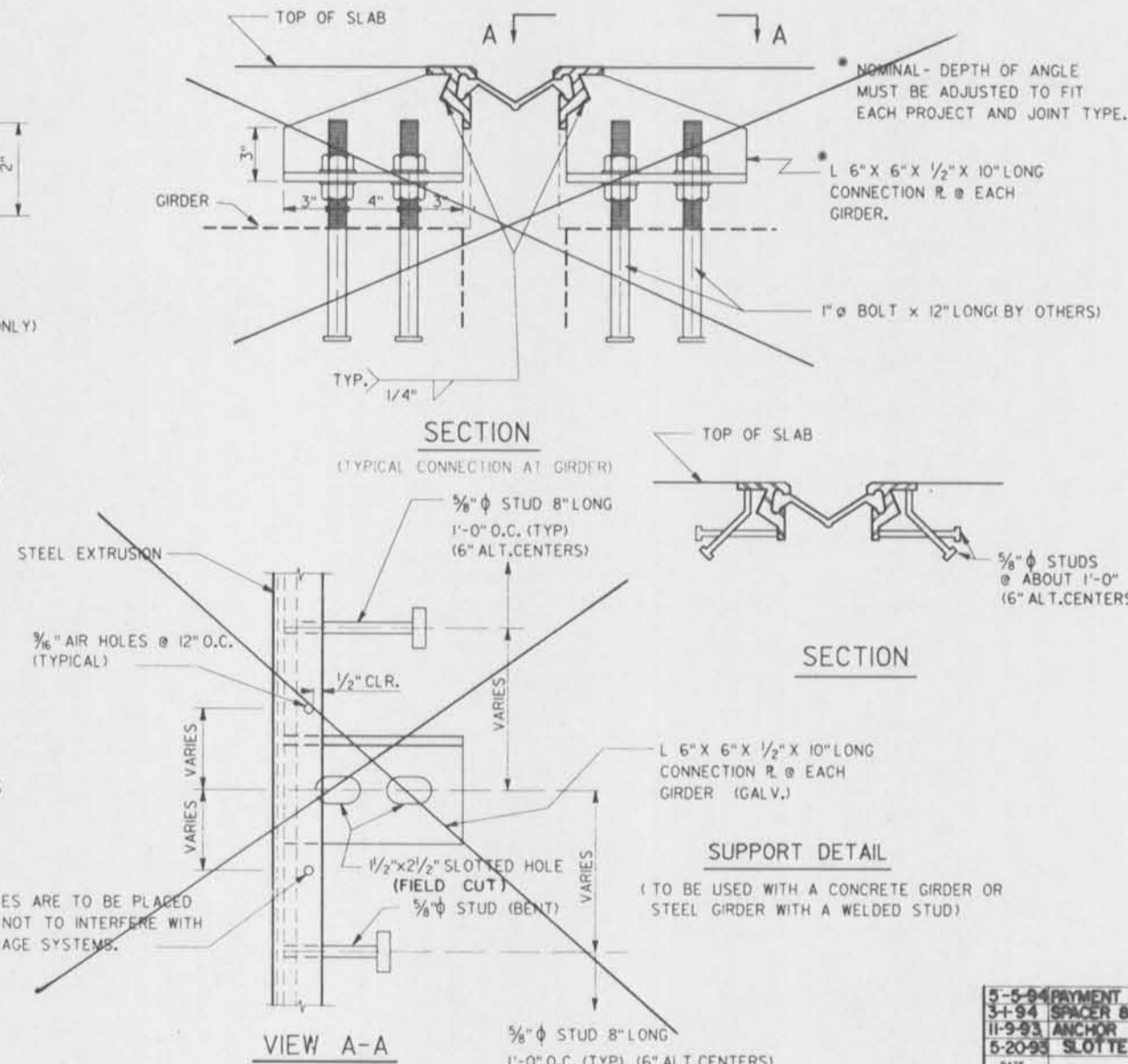


INSTALLATION :

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

NOTE: FIELD BENDING OF STUDS IS TOTALLY PROHIBITED.

* REFERRED TO AS EXTRUSIONS IN THE NOTES.



- NOTES:**
- THE FOLLOWING MATERIALS ARE TO BE PAID FOR IN THE BID PRICE PER LINEAR FOOT OF STRIP SEAL INCLUDED IN STRIP SEAL JOINTS.
 - A. NEOPRENE EXTRUSION
 - B. STEEL EXTRUSIONS
 - C. 5/8" DIAMETER STUDS
 - D. ALL STEEL PLATES REQUIRED FOR BARRIER SECTION
 - E. CAP SCREWS AND NUTS, TEMPORARY STEEL SPACER BLOCKS AND POLYURETHANE FILLER ROD
 - F. 6"x6"x3/8" CONNECTION PLATES
 - G. HEAVY DUTY ANCHOR STRAP & REBAR
 - STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 OR A-588
 - THE MANUFACTURER'S RECOMMENDED CONSTRUCTION METHODS SHALL BE FOLLOWED.
 - A FACTORY REPRESENTATIVE IS TO BE PRESENT DURING THE INSTALLATION OF THE JOINTS.
 - SHOP DETAILS OF JOINTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
 - STEEL EXTRUSIONS SHALL BE SHIPPED IN PAIRS.
 - POLYURETHANE FILLER ROD WILL BE PLACED IN THE STEEL EXTRUSION'S CAVITY PRIOR TO SHIPMENT. THIS ROD WILL BE REMOVED ONLY WHEN THE NEOPRENE EXTRUSION IS TO BE INSTALLED IN PLACE.
 - ALL WELDS SHALL CONFORM TO AWS D15.88 BRIDGE STRUCTURAL WELDING CODE AND D 14.92 REINFORCING STEEL WELDING CODE.
 - WELDED SPICES OF STEEL EXTRUSIONS SHALL BE SHOP SPICES AND EACH PORTION OF THE EXTRUSION SHALL BE NOT LESS THAN 15 FEET IN LENGTH EXCEPT THAT ONE SECTION, NOT LESS THAN 4 FEET IN LENGTH WILL BE ALLOWED IN THE SHOULDER AREA IF REQUIRED TO MATCH THE ROADWAY CROSS SECTION. ALL SPICES SHALL BE MADE SO AS TO OCCUR OUTSIDE THE WHEEL PATHS. (SEE DETAIL ON SHEET 2 OF 2.) IF A SECTION LESS THAN 15 FEET IS USED, THE CONNECTION STUDS WILL BE SPACED AT 9 INCH ALTERNATE CENTERS. ALL SPICE LOCATIONS WILL BE SHOWN ON THE SHOP DRAWINGS. DRAWINGS WILL NOT BE APPROVED UNLESS THE LOCATIONS ARE DESIGNATED ON THE DRAWINGS. THE LOCATIONS MAY BE DESIGNATED WITH A +/- 6 INCH TOLERANCE. WELDED SPICES ARE ALSO REQUIRED WHERE TWO DIFFERENT STEEL SHAPES ARE JOINED AT THE CURB AREA AND WHERE THE CURB UNITS ARE TURNED UP.
 - WELDED SPICES WILL BE BUTT SPICES AND CARE SHALL BE TAKEN NOT TO ALLOW WELD METAL TO INVADE THE GLAND CAVITY. WELD MATERIAL IN THE CAVITY WILL BE CAUSE FOR REJECTION. CONNECTION STUDS WILL BE LOCATED 3 INCHES EITHER SIDE OF WELDED SPICES.
 - NEOPRENE EXTRUSIONS HAVE TO BE MANUFACTURED AS A CONTINUOUS PIECE WITH ONLY ONE (1) SHOP SPICE PER JOINT ALLOWED WHEN LENGTH EXCEEDS 50 FEET. THE NEOPRENE STRIP SEAL SHALL BE AN EXTRUDED NEOPRENE MATERIAL CONFORMING TO ASTM DESIGNATION D2628 MODIFIED TO OMIT RECOVERY TEST AND TO REVISE THE REQUIRED DUREMETER - TYPE A HARDNESS TO 55 -5/+10 AS DETERMINED BY ASTM D2240.
 - SEAL SHALL BE BONDED TO STEEL WITH A PRE-MIXED LUBRICATING ADHESIVE SOLUTION WHICH SHALL BE USED TO FACILITATE THE SEAL INSTALLATION. THIS LUBRICANT ADHESIVE SHALL BE SELECTED FROM THE I.A.D.O.T. QUALIFIED PRODUCTS LIST AS MAINTAINED BY THE DEPARTMENT'S MATERIALS SECTION. THE LUBRICANT SHOULD FLOW FREELY AND EVENLY COAT THE SEAL AND JOINT FACE. THE LUBRICANT SHOULD COMPLETELY COAT THE SEAL AND STEEL EXTRUSION CAVITY WHICH REMAIN IN CONTACT.
 - ALL METAL SURFACES NOT EMBEDDED IN CONCRETE SHALL BE SHOP PAINTED WITH TWO COATS OF ORGANIC ZINC PRIMER (NO TOP COAT). CARE SHALL BE TAKEN THAT A PAINT BUILD-UP DOES NOT OCCUR IN THE BOTTOM OF THE STEEL EXTRUSION CAVITY.
 - JOINTS UP TO FIFTY FOUR (54) FEET IN LENGTH SHALL BE DELIVERED TO THE JOB SITE IN ONE PIECE. JOINTS OVER FIFTY FOUR (54) FEET IN LENGTH MAY HAVE PROVISIONS FOR A FIELD SPICE IN THE STEEL EXTRUSIONS PROVIDING THE SPICE IS PERFORMED IN SHOP LIKE CONDITIONS IN THE PRESENCE OF A STATE INSPECTOR AND MEET THE REQUIREMENTS OF NOTE 8 ABOVE. ALL OTHER WELDED SPICES OF STEEL EXTRUSIONS SHALL BE SHOP SPICES.
 - ALL LABOR, MATERIALS, EQUIPMENT, MANUFACTURER SUPERVISION AND INCIDENTALS PERTAINING TO THE INSTALLATION OF THE JOINT SHALL BE PAID FOR UNDER ITEM 805-00.
 - PAY LENGTH FOR JOINT IS MEASURED GUTTER TO GUTTER ALONG CENTERLINE OF JOINT.
 - ALL STUDS SHALL BE BENT PRIOR TO WELDING TO THE JOINT

STRIP SEAL JOINT DETAILS (4")

5-5-94 PAYMENT ITEM CHANGED ON NOTE # 14		NPK	STATE OF LOUISIANA	
3-1-94 SPACER & CONN STUDS AT WELDED SPICES		NPK	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
11-9-93 ANCHOR BOLTS LOCATION AT END DAM		NPK	DESIGNED KNAPP	DETAILED A.N.NWAFOR DR D2534
6-20-93 SLOTTED HOLES SHALL BE FIELD CUT		NPK	CHECKED D. MILLER	CHECKED KNAPP FILE strip.jts
DATE	DESCRIPTION	BY		
REVISIONS				

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 EAST JEFFERSON LEVEE DISTRICT
 EAST ORLEANS, LOUISIANA

MODERNI & MASTERS INC. NEW ORLEANS, LOUISIANA

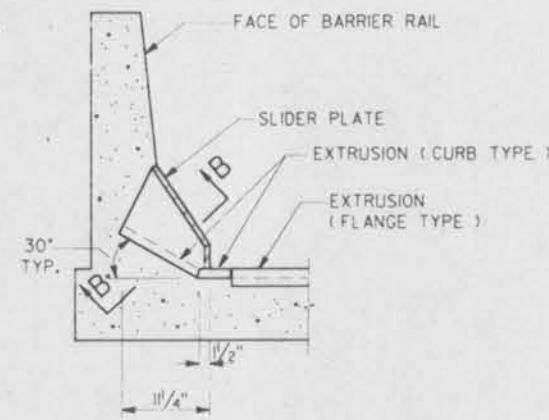
LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET OUTFALL CANAL
 METAIRIE RELIEF
 ORLEANS PARISH-JEFFERSON PARISH
 LOUISIANA

**LADOT
STANDARD PLANS**

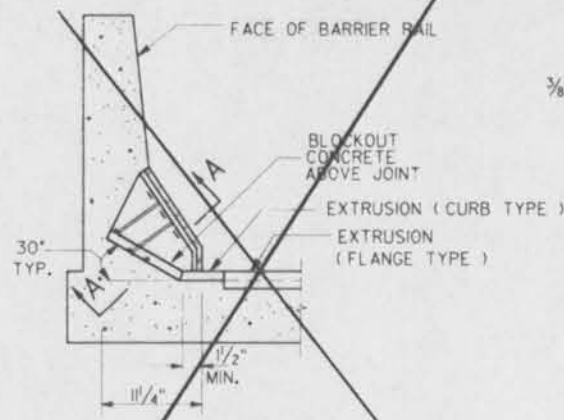
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DRAWN BY:	JUNE 95	1	JUNE 95
CHECKED BY:	CADD FILE: MMBG.DGN		
SUBMITTED BY:	FILE NO. H-4-40359		
W.B. CONWAY	SOLICITATION NO. DACW29-95-B-0095		
DESIGN ENGINEER	DWG. 79 OF 79		



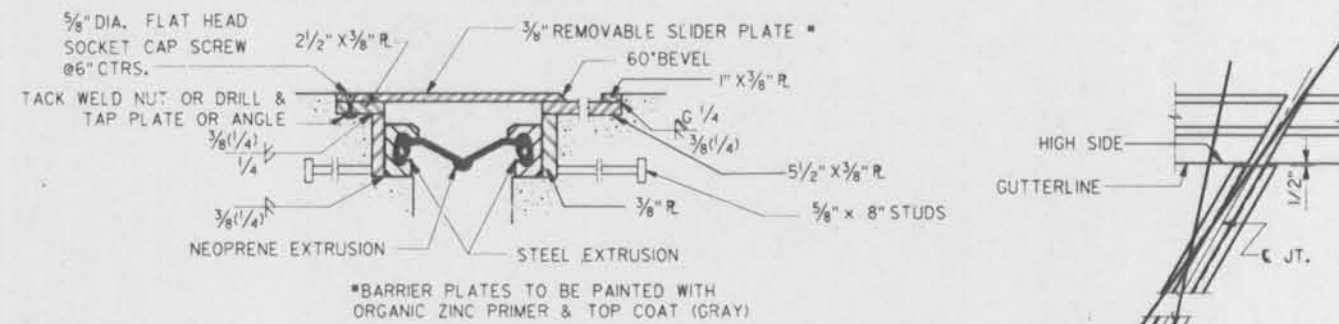
Safety is a Part of Your Contract



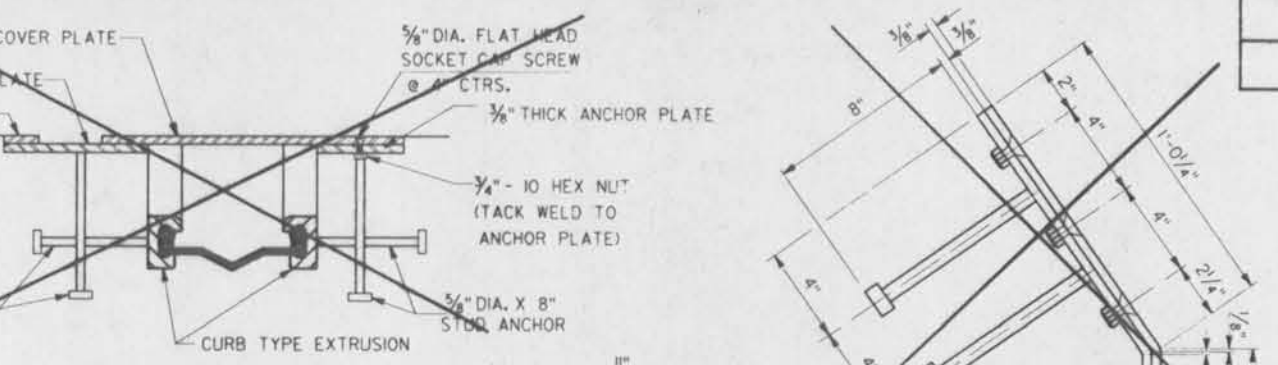
BARRIER SECTION
LOW SIDE ONLY



BARRIER PLATES ARE NOT ATTACHED TO STRIP SEAL IN THIS ALTERNATE.
ALTERNATE DETAIL FOR PLACEMENT OF COVER PLATE

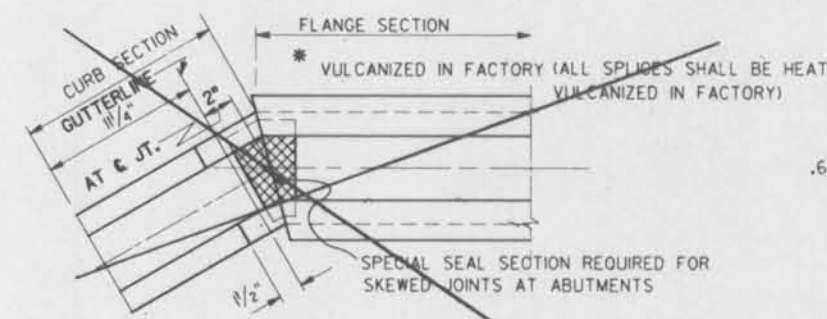


SECTION B-B
(CURB SECTION)

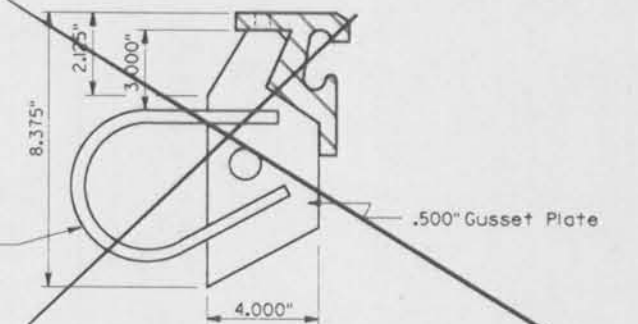


SECTION A-A

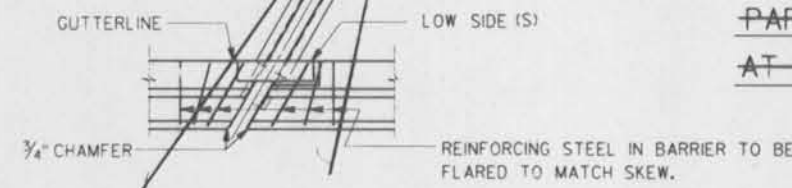
SIDE VIEW



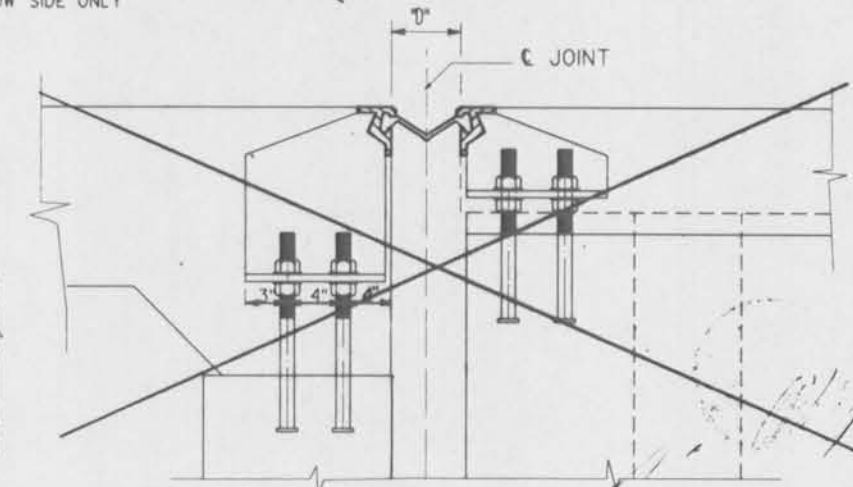
PART PLAN VIEW OF STRIP SEAL AT END BENTS WITH WING WALLS
LOW SIDE ONLY



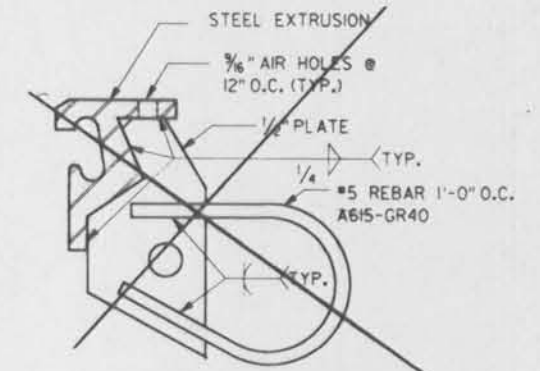
OPTIONAL HEAVY DUTY ANCHOR SYSTEM



PART PLAN VIEW OF STRIP SEAL JOINT AT INTERIOR JOINT

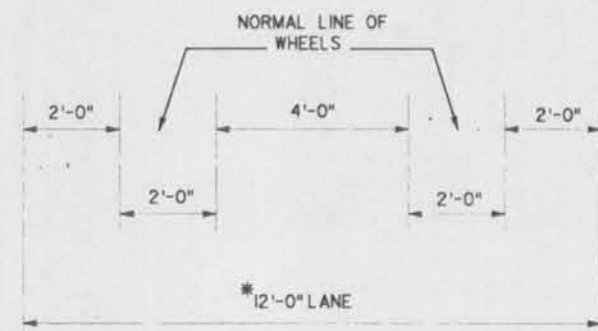


PART SECTION SHOWING ANCHORAGE SYSTEM AND END DAM CONNECTION

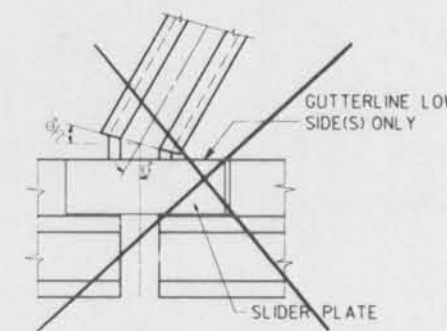


SECTION TYPICAL BETWEEN GIRDERS

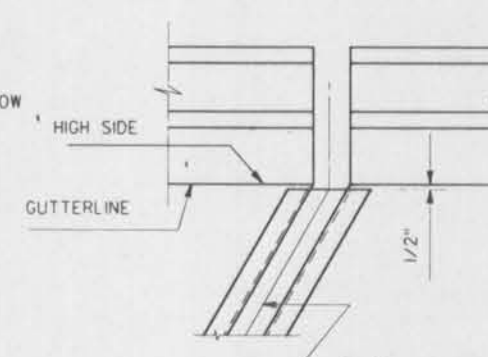
SPLICE LOCATIONS SHALL BE LOCATED SO AS NOT TO FALL IN THE "NORMAL LINE OF WHEELS." EXCEPT FOR CURB SECTIONS, ALL EXTRUSIONS SHALL BE A MINIMUM OF 15 FT. BETWEEN SPLICES EXCEPT WHEN NOTED OTHERWISE ON THE SPAN SHEET.



SPLICE LOCATIONS



GUTTER DETAIL FOR END BENTS WITH WING WALLS
LOW SIDE ONLY



GUTTER DETAIL FOR END JOINTS
HIGH SIDE ONLY

STRIP SEAL JOINT DETAILS (4")

5-5-94 PAYMENT ITEM CHANGED ON NOTE # 14 NPK		STATE OF LOUISIANA	
3-1-94 SPACER & CONN. STUDS AT WELDED SPLICES NPK		DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	
11-9-93 ANCHOR BOLTS LOCATION AT END DAM NPK		DESIGNED KNAPP	
5-20-93 SLOTTED HOLES SHALL BE FIELD CUT NPK		CHECKED D. MILLER	
DATE	DESCRIPTION	BY	FILE STRIP.JTS

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
EAST JEFFERSON LEVEE DISTRICT
EAST JEFFERSON, LOUISIANA

MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET OUTFALL CANAL
METAIRIE RELIEF
ORLEANS PARISH-JEFFERSON PARISH
LOUISIANA

LADOTD
STANDARD PLANS

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	JUNE 95	1	JUNE 95
CHECKED BY:	CADD FILE:	MMMG.DGN	FILE NO.
			H-4-40359
SUBMITTED BY:	SOLICITATION NO.	DWG. 79A OF 79	
W.B. CONWAY DESIGN ENGINEER	DACW29-95-B-0095		



4609-11 18

Misc. Changes

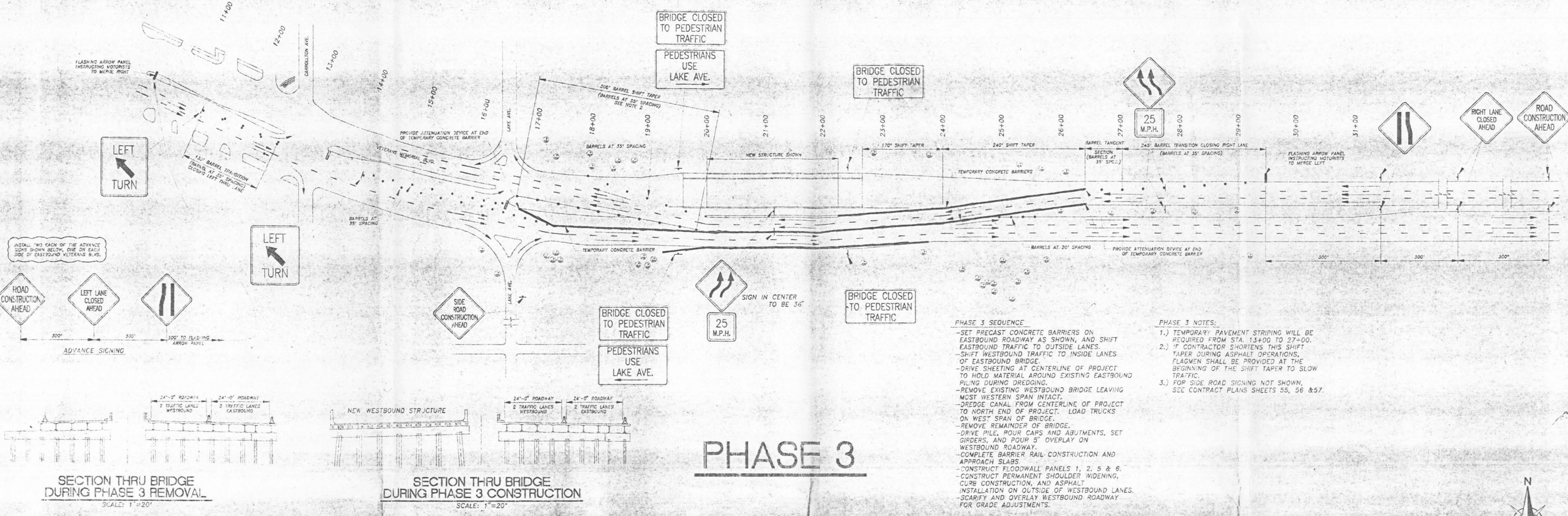
Plates 11, 12, 13,

15, 16, 17 & 18

only plates

Present @

Scanning.



PHASE 3

PHASE 3 SEQUENCE

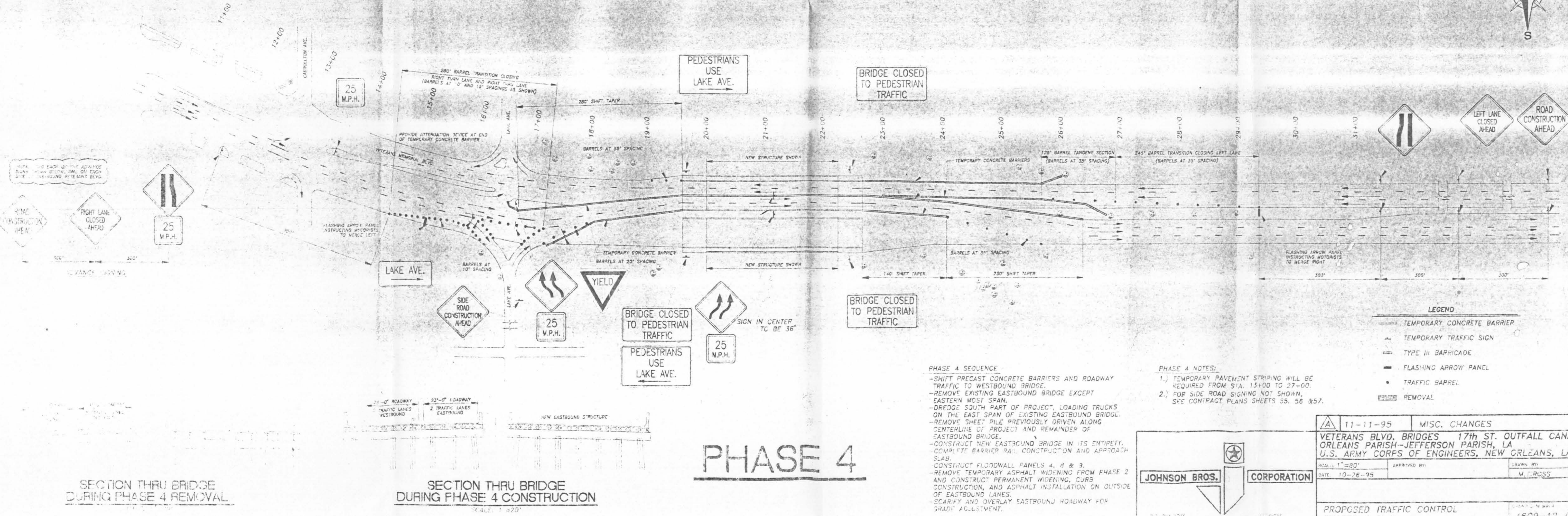
- SET PRECAST CONCRETE BARRIERS ON EASTBOUND ROADWAY AS SHOWN, AND SHIFT EASTBOUND TRAFFIC TO OUTSIDE LANES.
- SHIFT WESTBOUND TRAFFIC TO INSIDE LANES OF EASTBOUND BRIDGE.
- DRIVE SHEETING AT CENTERLINE OF PROJECT TO HOLD MATERIAL AROUND EXISTING EASTBOUND PILING DURING DREDGING.
- REMOVE EXISTING WESTBOUND BRIDGE LEAVING MOST WESTERN SPAN INTACT.
- DREDGE CANAL FROM CENTERLINE OF PROJECT TO NORTH END OF PROJECT. LOAD TRUCKS ON WEST SPAN OF BRIDGE.
- REMOVE REMAINDER OF BRIDGE.
- DRIVE PILE, POUR CAPS AND ABUTMENTS, SET GIRDERS, AND POUR 5" OVERLAY ON WESTBOUND ROADWAY.
- COMPLETE BARRIER RAIL CONSTRUCTION AND APPROACH SLABS.
- CONSTRUCT FLOODWALL PANELS 1, 2, 5 & 6.
- CONSTRUCT PERMANENT SHOULDER WIDENING, CURB CONSTRUCTION, AND ASPHALT INSTALLATION ON OUTSIDE OF WESTBOUND LANES.
- SCARIFY AND OVERLAY WESTBOUND ROADWAY FOR GRADE ADJUSTMENTS.

PHASE 3 NOTES:

- 1.) TEMPORARY PAVEMENT STRIPING WILL BE REQUIRED FROM STA. 13+00 TO 27+00.
- 2.) IF CONTRACTOR SHORTENS THIS SHIFT TAPER DURING ASPHALT OPERATIONS, FLAGMEN SHALL BE PROVIDED AT THE BEGINNING OF THE SHIFT TAPER TO SLOW TRAFFIC.
- 3.) FOP SIDE ROAD SIGNING NOT SHOWN. SEE CONTRACT PLANS SHEETS 55, 56 & 57.

SECTION THRU BRIDGE DURING PHASE 3 REMOVAL
SCALE: 1"=20'

SECTION THRU BRIDGE DURING PHASE 3 CONSTRUCTION
SCALE: 1"=20'



PHASE 4

PHASE 4 SEQUENCE

- SHIFT PRECAST CONCRETE BARRIERS AND ROADWAY TRAFFIC TO WESTBOUND BRIDGE.
- REMOVE EXISTING EASTBOUND BRIDGE EXCEPT EASTERN MOST SPAN.
- DREDGE SOUTH PART OF PROJECT. LOAD TRUCKS ON THE EAST SPAN OF EXISTING EASTBOUND BRIDGE.
- REMOVE SHEET PILE PREVIOUSLY DRIVEN ALONG CENTERLINE OF PROJECT AND REMAINDER OF EASTBOUND BRIDGE.
- CONSTRUCT NEW EASTBOUND BRIDGE IN ITS ENTIRETY. COMPLETE BARRIER RAIL CONSTRUCTION AND APPROACH SLAB.
- CONSTRUCT FLOODWALL PANELS 4, 8 & 9.
- REMOVE TEMPORARY ASPHALT WIDENING FROM PHASE 2 AND CONSTRUCT PERMANENT WIDENING, CURB CONSTRUCTION, AND ASPHALT INSTALLATION ON OUTSIDE OF EASTBOUND LANES.
- SCARIFY AND OVERLAY EASTBOUND ROADWAY FOR GRADE ADJUSTMENT.

PHASE 4 NOTES:

- 1.) TEMPORARY PAVEMENT STRIPING WILL BE REQUIRED FROM STA. 13+00 TO 27+00.
- 2.) FOR SIDE ROAD SIGNING NOT SHOWN. SEE CONTRACT PLANS SHEETS 55, 56 & 57.

LEGEND

	TEMPORARY CONCRETE BARRIER
	TEMPORARY TRAFFIC SIGN
	TYPE III BARRICADE
	FLASHING ARROW PANEL
	TRAFFIC BARREL
	REMOVAL

JOHNSON BROS. CORPORATION

11-11-95 MISC. CHANGES

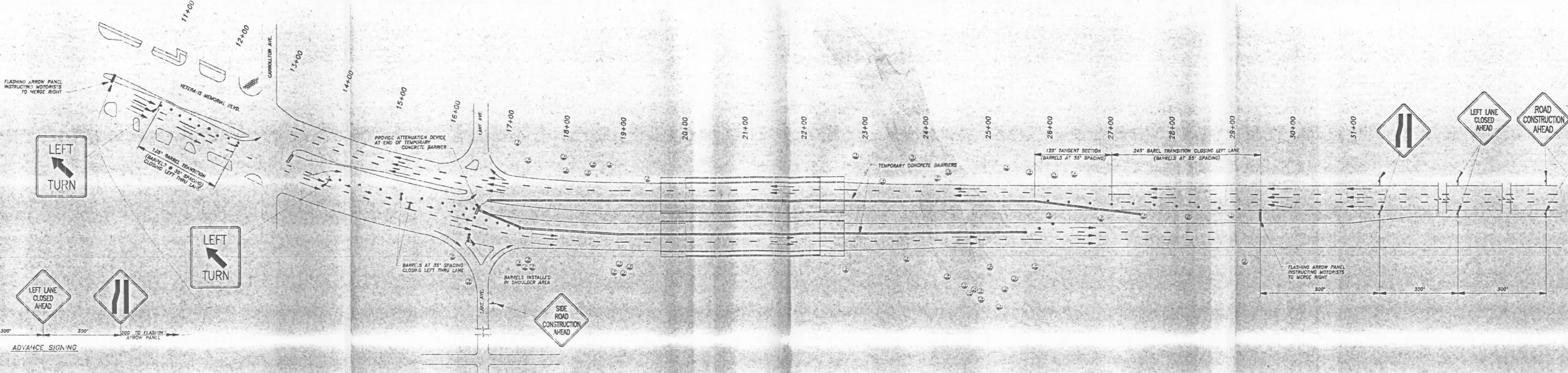
VETERANS BLVD. BRIDGES 17th ST. OUTFALL CANAL ORLEANS PARISH-JEFFERSON PARISH, LA U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS, LA

SCALE: 1"=80'

DATE: 10-26-95 APPROVED BY: M. ROSS

PROPOSED TRAFFIC CONTROL PHASES 3 & 4

4609-12

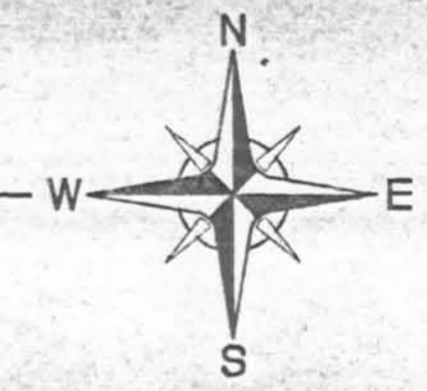
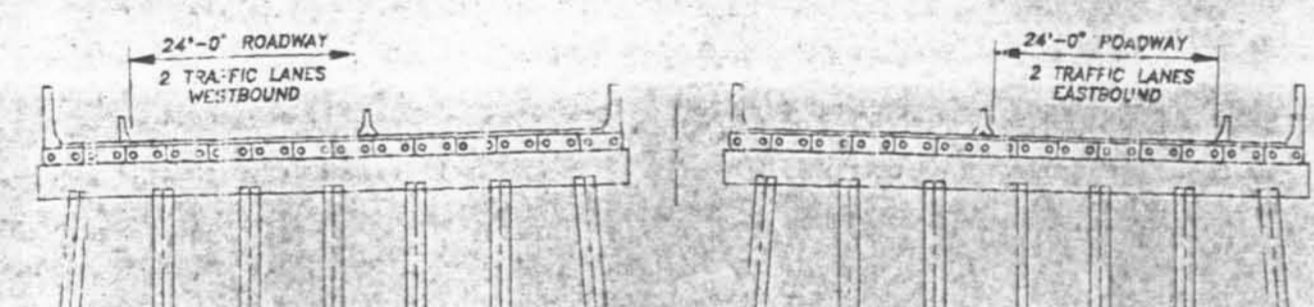


PHASE 5

- PHASE 5 SEQUENCE**
- PUT TRAFFIC ON OUTSIDE LANES OF BOTH NEW BRIDGES.
 - REMOVE TEMPORARY ASPHALT MEDIAN CROSSOVER.
 - CONSTRUCT NEW CURB AND CUTTER ON INSIDE SECTIONS OF BOTH EASTBOUND AND WESTBOUND.
 - INSTALL NEW LANDSCAPING PLAN SHOWN ON PAGES 58 & 59 OF CONTRACT PLANS.
 - CONSTRUCT FLOODWALL SECTIONS 3 AND 7.
 - INSTALL MEDIAN LIGHTS AND UTILITIES.
 - INSTALL PERMANENT STRIPING.

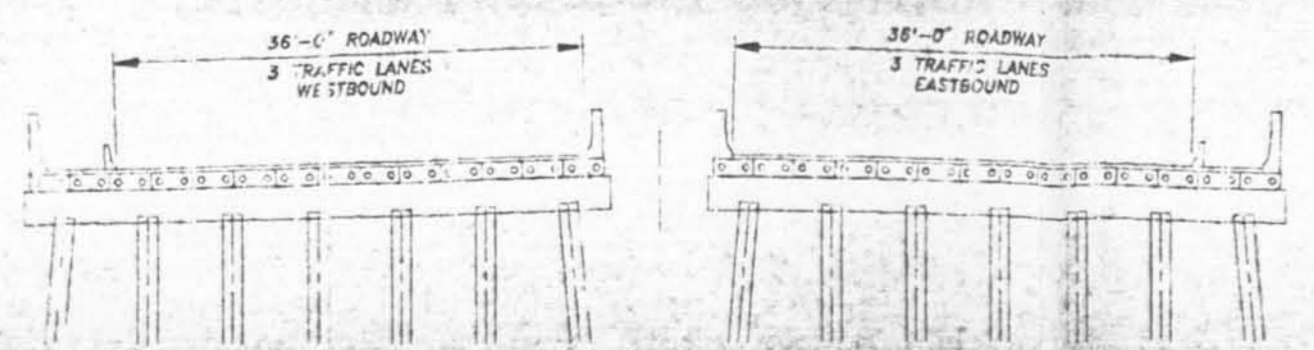
- PHASE 5 NOTES:**
- 1.) IN BARREL TRANSITION AREAS, THE AFFECTED EXISTING LANE LINE STRIPING SHALL BE PAINTED OVER TEMPORARILY IN BLACK.
 - 2.) FOR SIDE ROAD SIGNING NOT SHOWN SEE CONTRACT PLANS SHEETS 55, 56 AND 57.

SECTION THRU BRIDGE DURING PHASE 5 CONSTRUCTION
SCALE: 1"=20'



COMPLETE

SECTION THRU COMPLETED BRIDGE
SCALE: 1"=20'

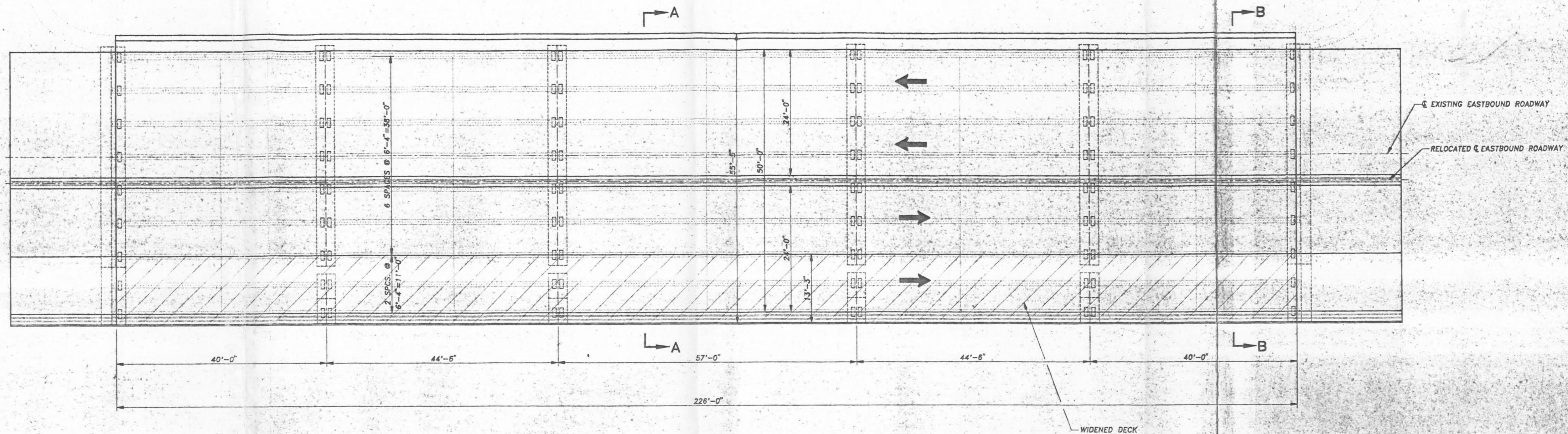


- LEGEND**
- TEMPORARY CONCRETE BARRIER
 - TEMPORARY TRAFFIC SIGN
 - TYPE III BARRICADE
 - FLASHING ARROW PANEL
 - TRAFFIC BARREL
 - REMOVAL

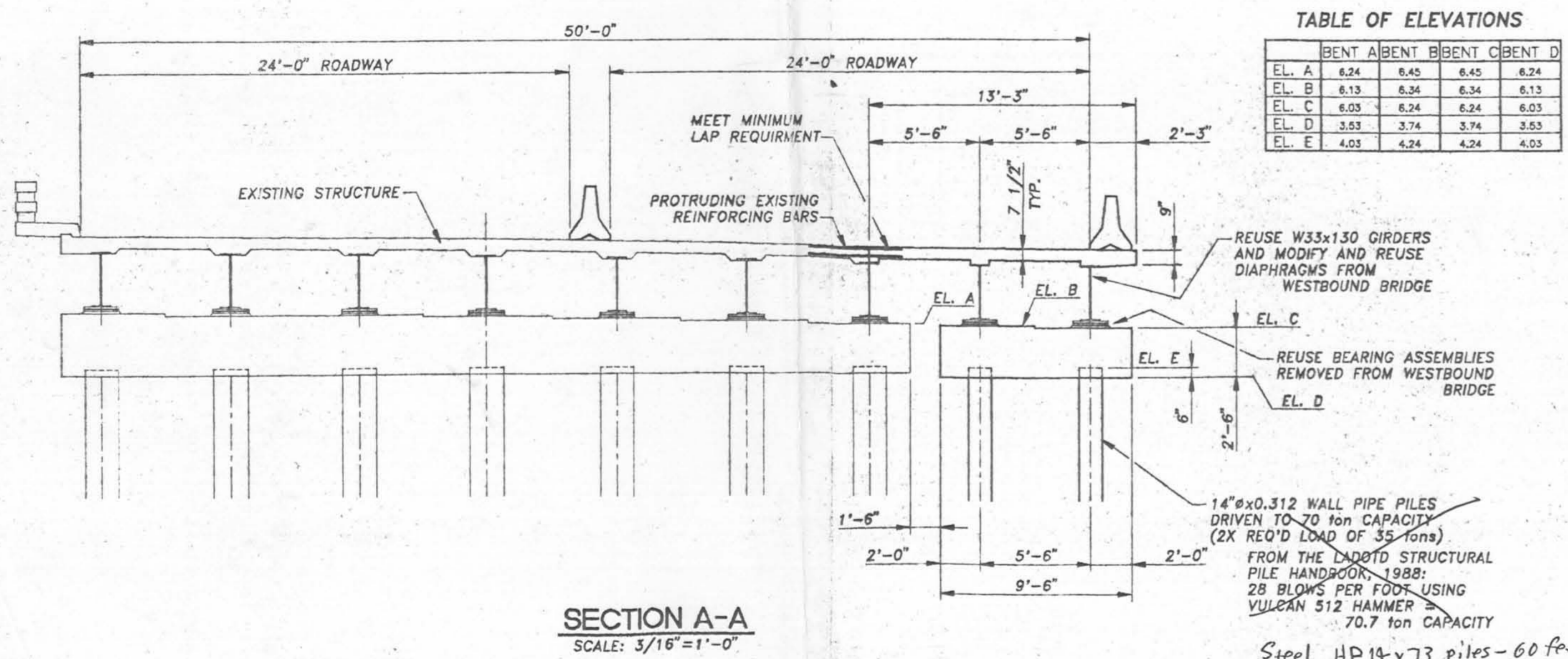
JOHNSON BROS. CORPORATION

P.O. BOX 1002
LITCHFIELD, MISSISSIPPI 39355
TELEPHONE (601) 693-2871

11-13-95	MISC. CHANGES
VETERANS BLVD. BRIDGES 17th ST. OUTFALL CANAL ORLEANS PARISH-JEFFERSON PARISH, LA U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS, LA	
SCALE: 1"=80'	APPROVED BY:
DATE: 10-26-95	M.T. ROSS
PROPOSED TRAFFIC CONTROL PHASE 5	DRAWING NUMBER 4609-13



PLAN VIEW

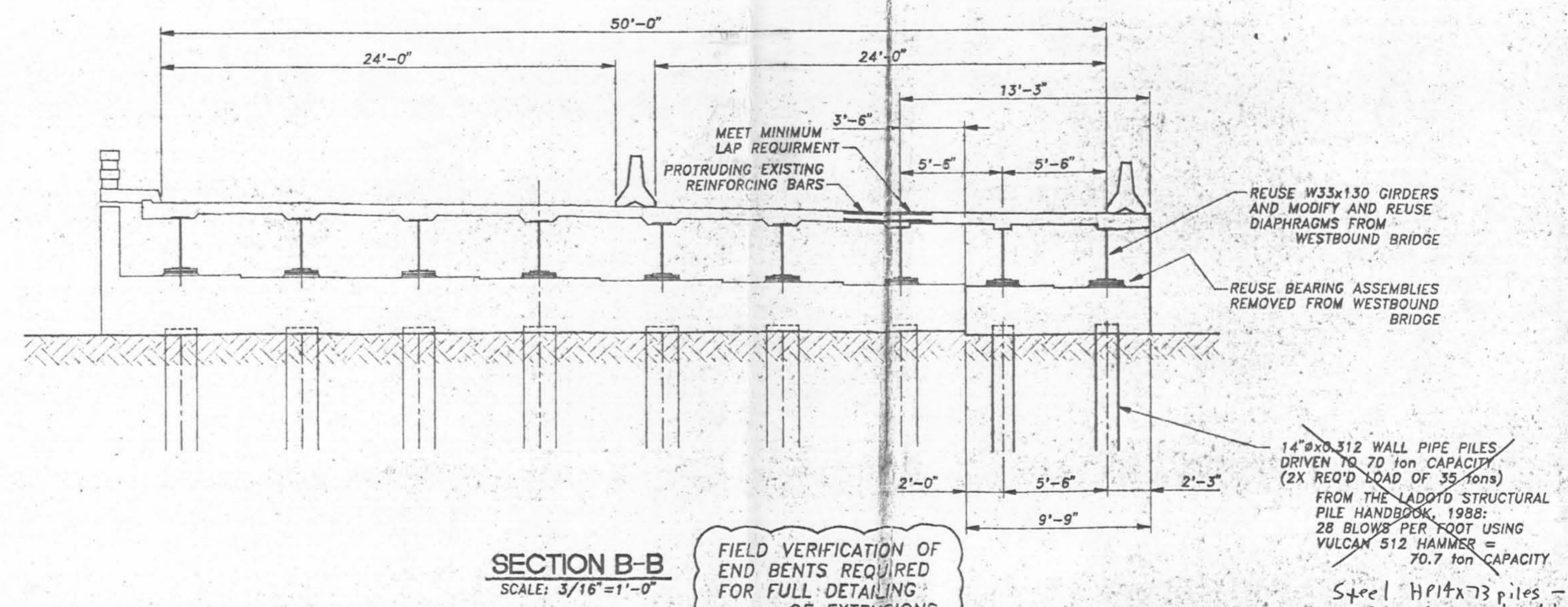


SECTION A-A
SCALE: 3/16"=1'-0"

TABLE OF ELEVATIONS

	BENT A	BENT B	BENT C	BENT D
EL. A	6.24	6.45	6.45	6.24
EL. B	6.13	6.34	6.34	6.13
EL. C	6.03	6.24	6.24	6.03
EL. D	3.53	3.74	3.74	3.53
EL. E	4.03	4.24	4.24	4.03

Steel HP14x73 piles - 60 feet long to be driven to grade without the use of jetting.

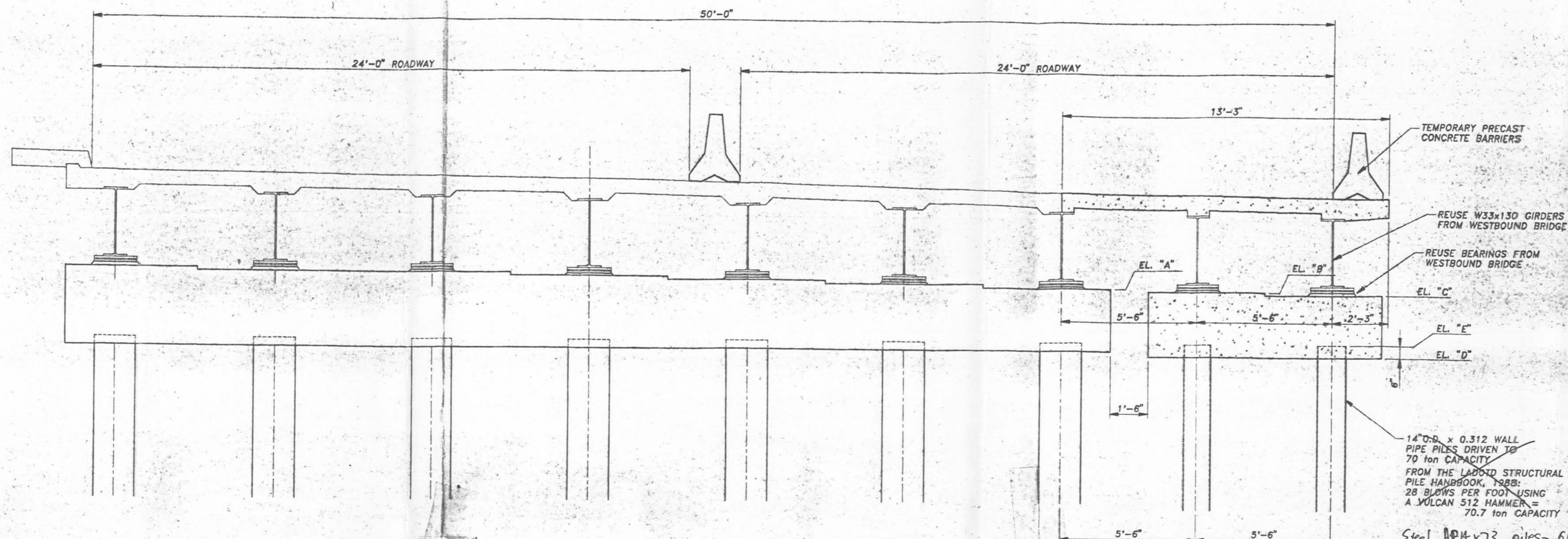


SECTION B-B
SCALE: 3/16"=1'-0"

FIELD VERIFICATION OF END BENTS REQUIRED FOR FULL DETAILING OF EXTENSIONS.

Steel HP14x73 piles - 60 feet long to be driven to grade without the use of jetting.

	VETERANS BLVD. BRIDGES 17th ST. OFFFALL CANAL ORLEANS PARISH - JEFFERSON PARISH, LA U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS, LA		
	SCALE: 1"=10' DATE: 11-16-95	APPROVED BY: 	DRAWN BY: M.T. ROSS
P.O. BOX 1002 LITCHFIELD, MINNESOTA 55355	TELEPHONE (612) 693-2871	TEMPORARY WIDENING OF EASTBOUND BRIDGE	DRAWING NUMBER 4609-15



TYPICAL SECTION BENTS A THRU D

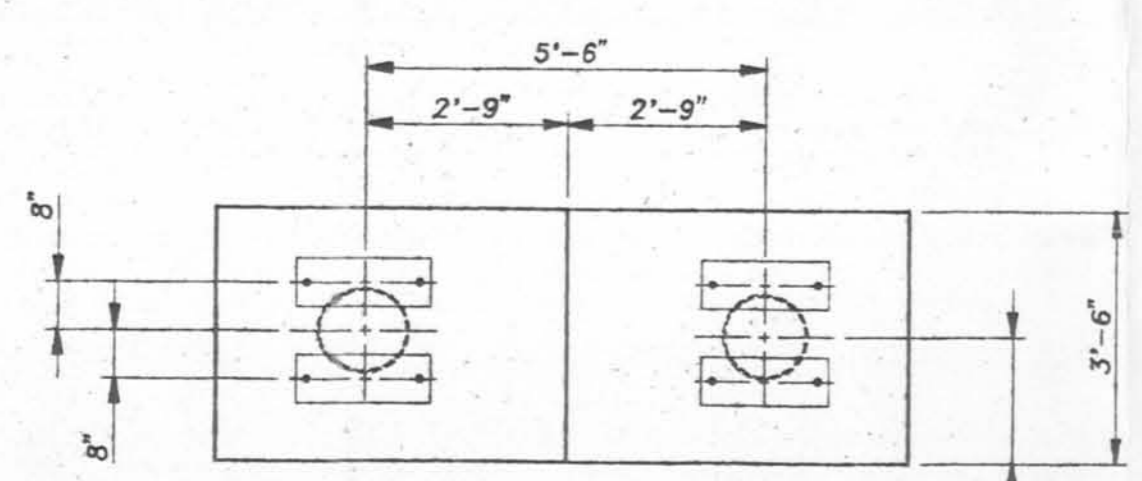
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TABLE OF ELEVATIONS

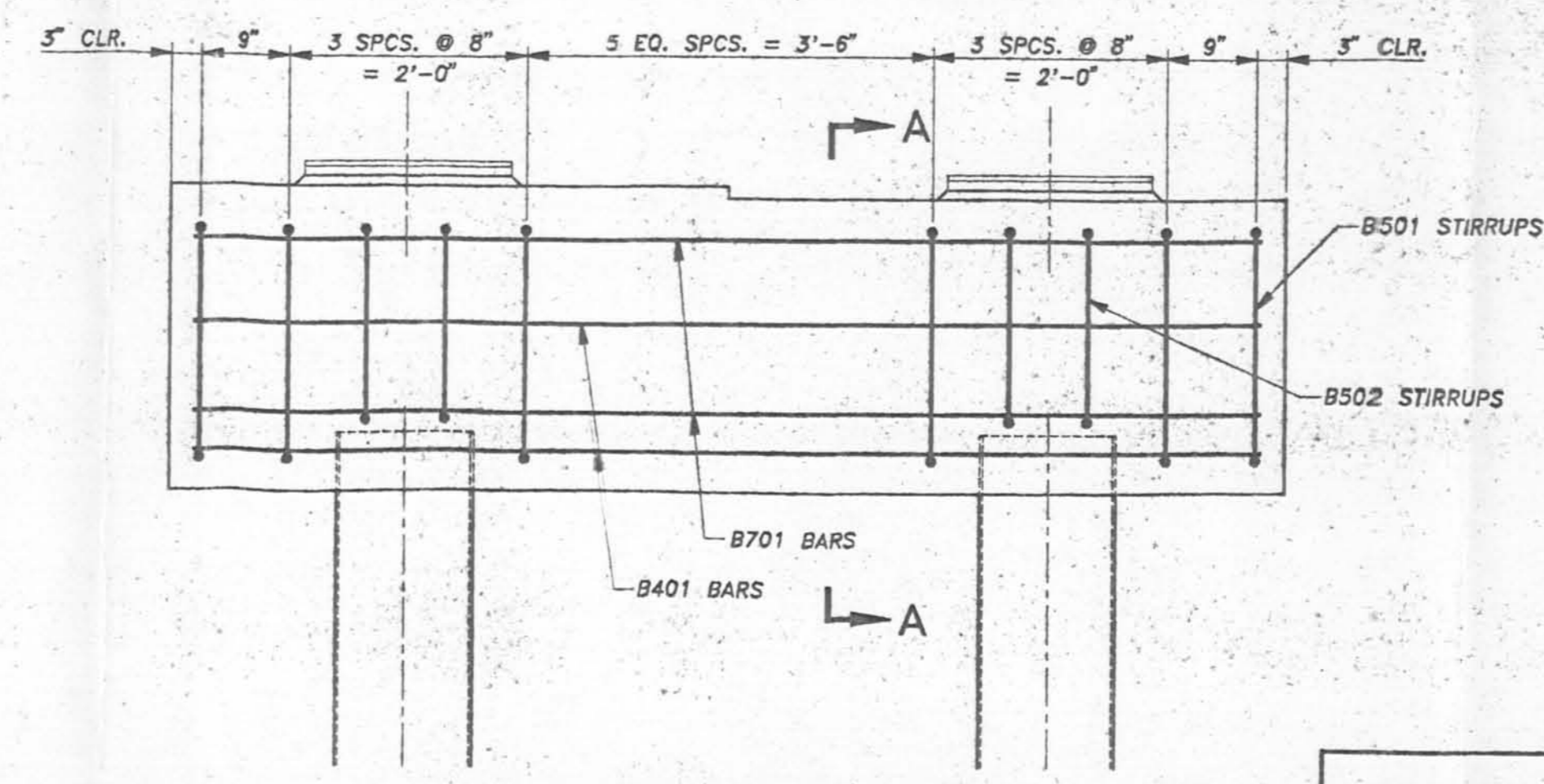
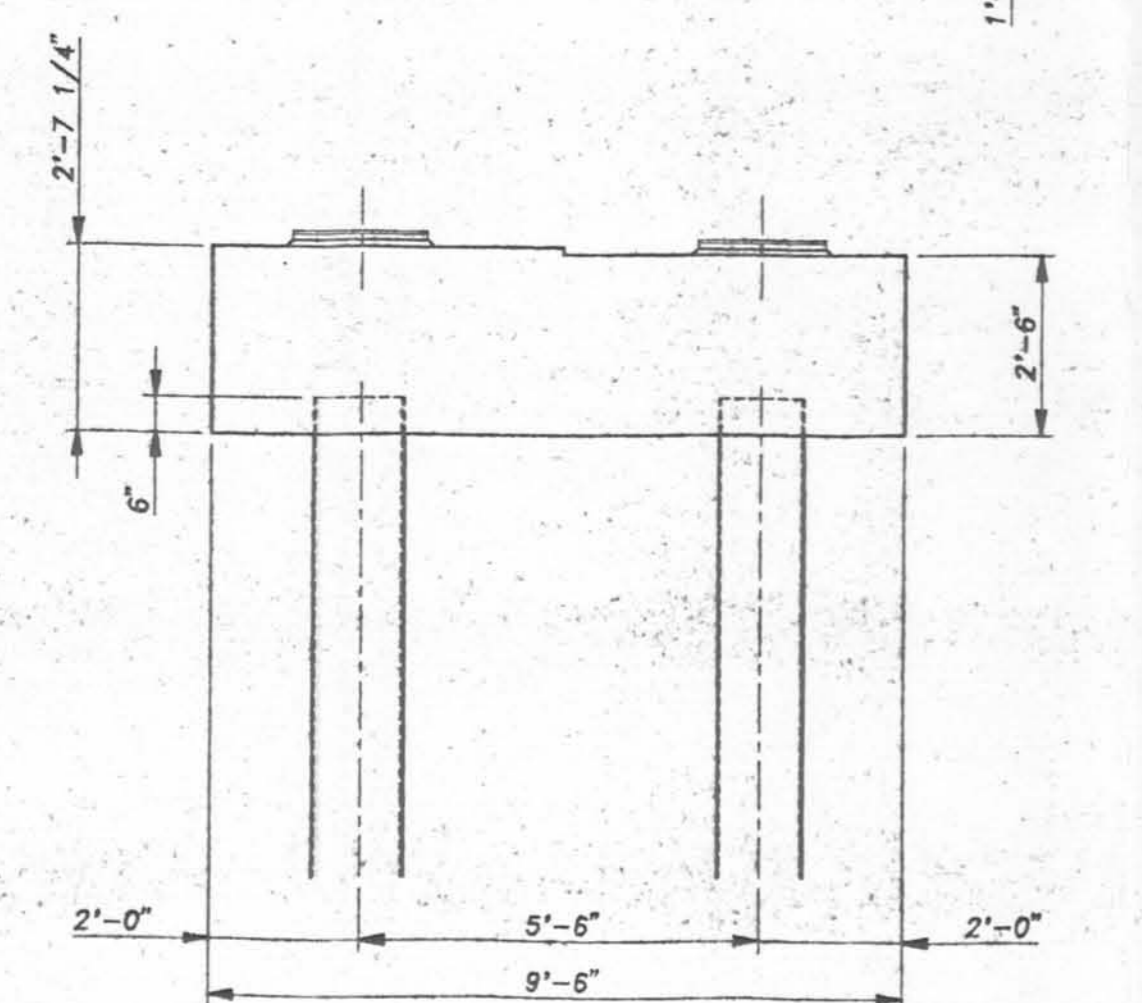
	BENT A	BENT B	BENT C	BENT D
EL. A	8.34	8.45	8.45	8.34
EL. B	8.13	8.24	8.24	8.13
EL. C	8.03	8.14	8.14	8.03
EL. D	3.93	3.74	3.74	3.93
EL. E	4.03	4.24	4.24	4.03

REINFORCING BAR SCHEDULE

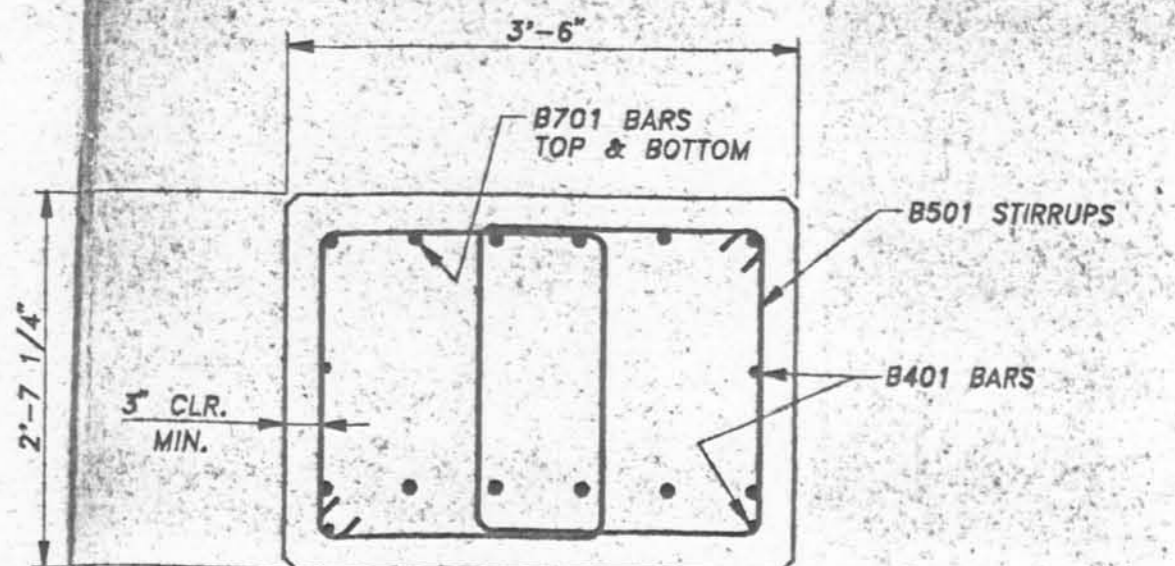
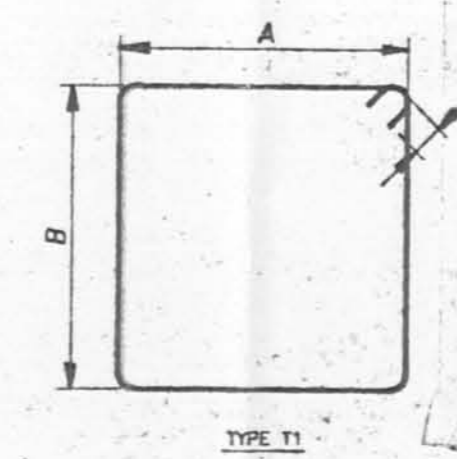
TEMPORARY BENT A										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
B401	4	4	9'-0"	STR.				8.00	24.00	TOTAL #4 BARS
B501	10	5	8'-10"	T1	2'-0"	1'-11"	5 1/2"	9.20	92.00	
B502	4	5	8'-2"	T1	1'-8"	1'-11"	5 1/2"	8.50	34.00	TOTAL #5 BARS
B701	12	7	9'-0"	STR.				18.40	221.00	TOTAL #7 BARS
									221.00	TOTAL BARS BENT A
TEMPORARY BENT B										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
B401	4	4	9'-0"	STR.				8.00	24.00	TOTAL #4 BARS
B501	10	5	8'-10"	T1	2'-0"	1'-11"	5 1/2"	9.20	92.00	
B502	4	5	8'-2"	T1	1'-8"	1'-11"	5 1/2"	8.50	34.00	TOTAL #5 BARS
B701	12	7	9'-0"	STR.				18.40	221.00	TOTAL #7 BARS
									221.00	TOTAL BARS BENT B
TEMPORARY BENT C										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
B401	4	4	9'-0"	STR.				8.00	24.00	TOTAL #4 BARS
B501	10	5	8'-10"	T1	2'-0"	1'-11"	5 1/2"	9.20	92.00	
B502	4	5	8'-2"	T1	1'-8"	1'-11"	5 1/2"	8.50	34.00	TOTAL #5 BARS
B701	12	7	9'-0"	STR.				18.40	221.00	TOTAL #7 BARS
									221.00	TOTAL BARS BENT C
TEMPORARY BENT D										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
B401	4	4	9'-0"	STR.				8.00	24.00	TOTAL #4 BARS
B501	10	5	8'-10"	T1	2'-0"	1'-11"	5 1/2"	9.20	92.00	
B502	4	5	8'-2"	T1	1'-8"	1'-11"	5 1/2"	8.50	34.00	TOTAL #5 BARS
B701	12	7	9'-0"	STR.				18.40	221.00	TOTAL #7 BARS
									221.00	TOTAL BARS BENT D
									371.00	TOTAL BARS BENT A
									371.00	TOTAL BARS BENT B
									371.00	TOTAL BARS BENT C
									1484.50	TOTAL BARS



PIER CAP DETAILS



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



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

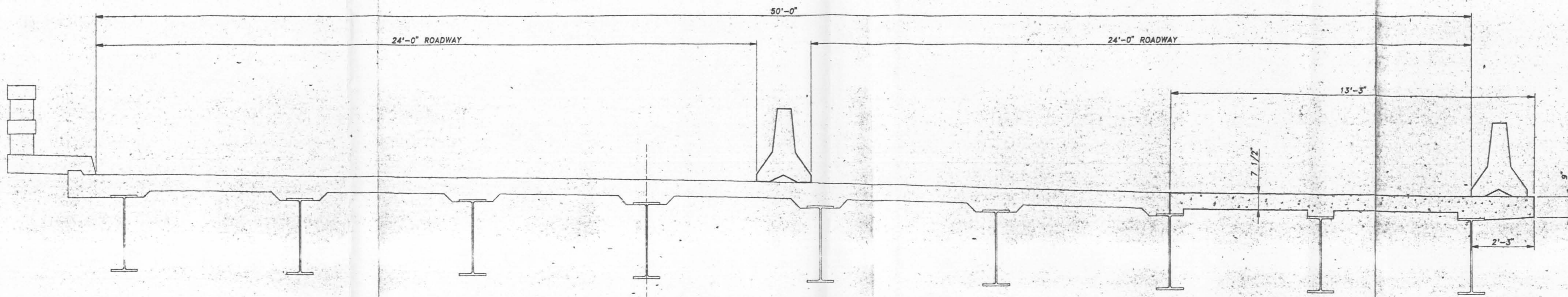
VETERANS BLVD. BRIDGES 17th ST. OUTFALL CANAL ORLEANS PARISH-JEFFERSON PARISH, LA U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS, LA

SCALE: 3/8"=1' APPROVED BY: DATE: 11-16-95 DRAWN BY: M.T. ROSS

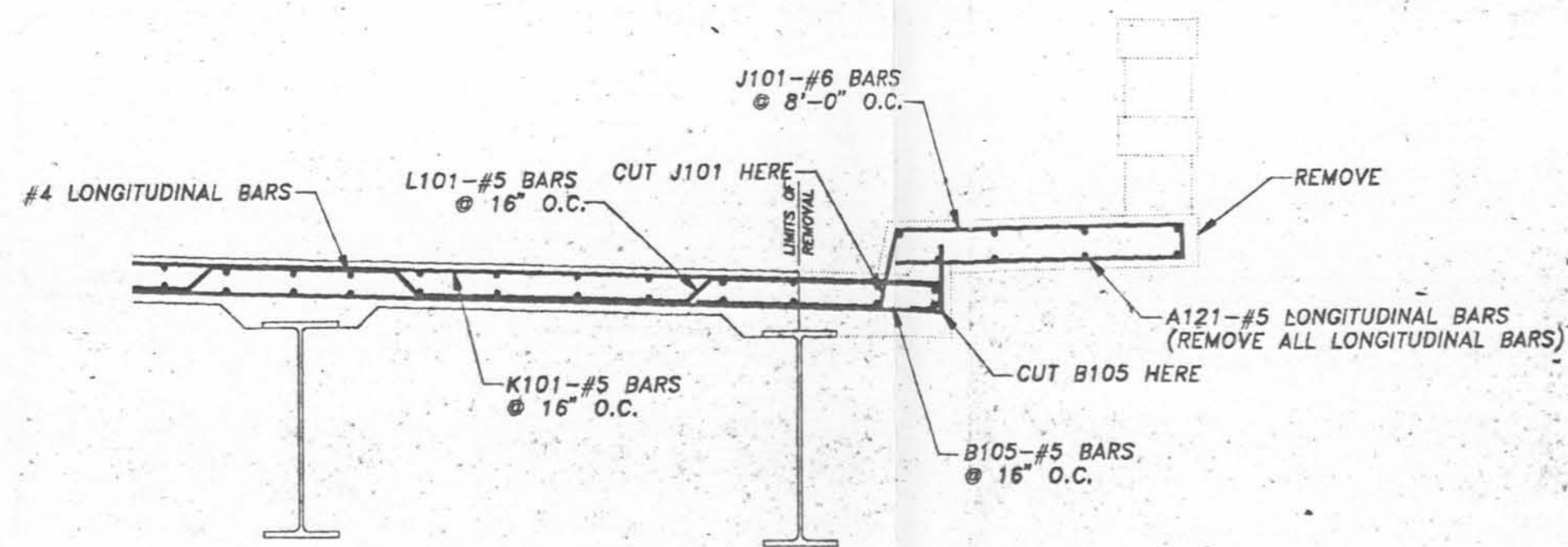
TEMPORARY WIDENING OF EASTBOUND BRIDGE TEMPORARY BENTS A THRU D

BENT DETAILS DRAWING NUMBER: 4609-16

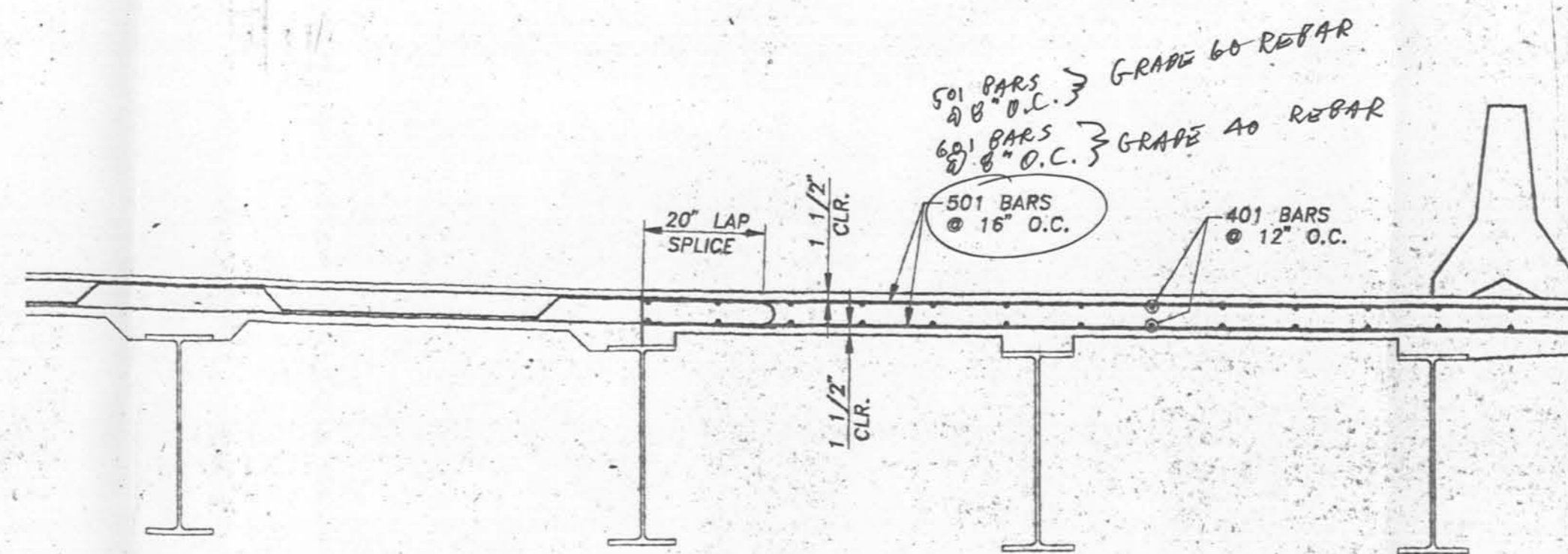
JOHNSON BROS. CORPORATION P.O. BOX 1002 LITCHFIELD, MINNESOTA 55355 TELEPHONE (612) 993-2871



TYPICAL SECTION




TYPICAL SECTION
REMOVAL DETAILS



REINFORCING BAR DETAIL

REINFORCING BAR SCHEDULE

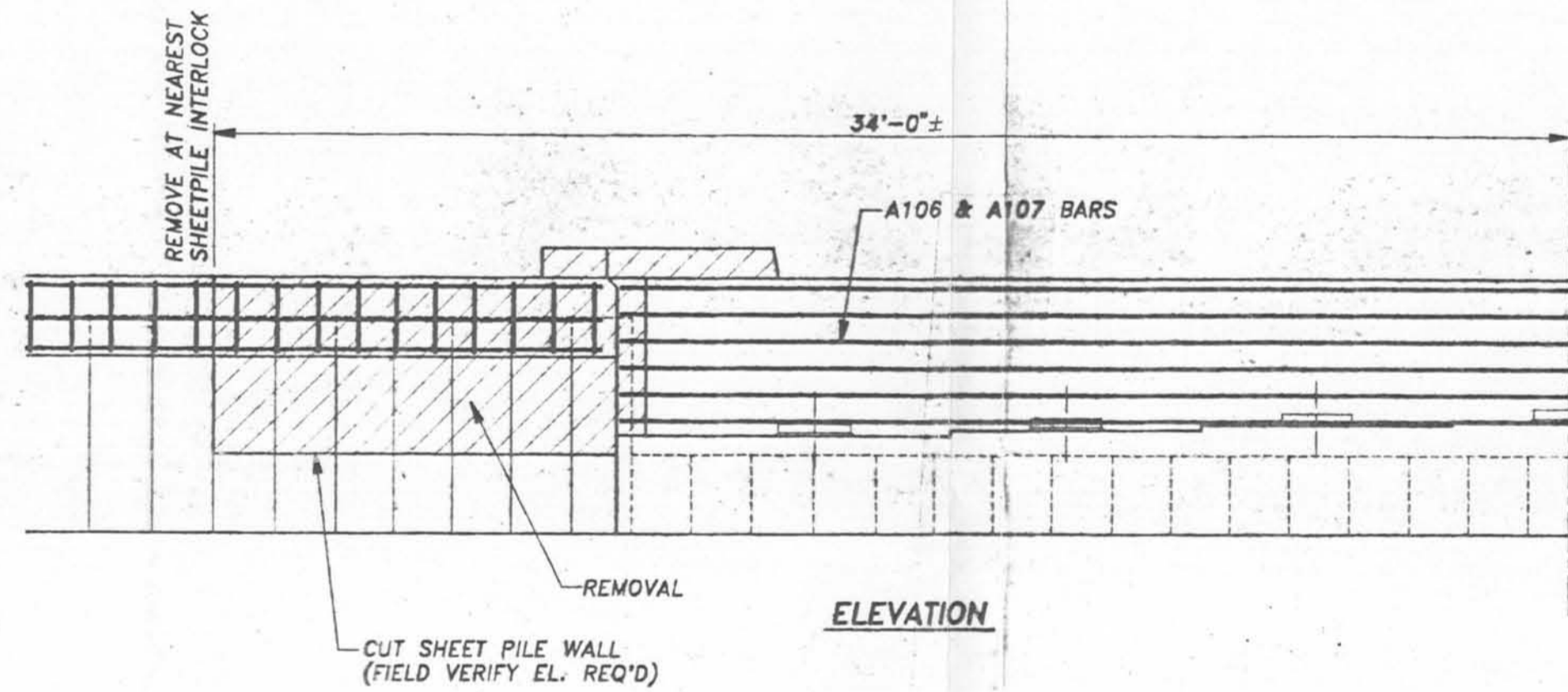
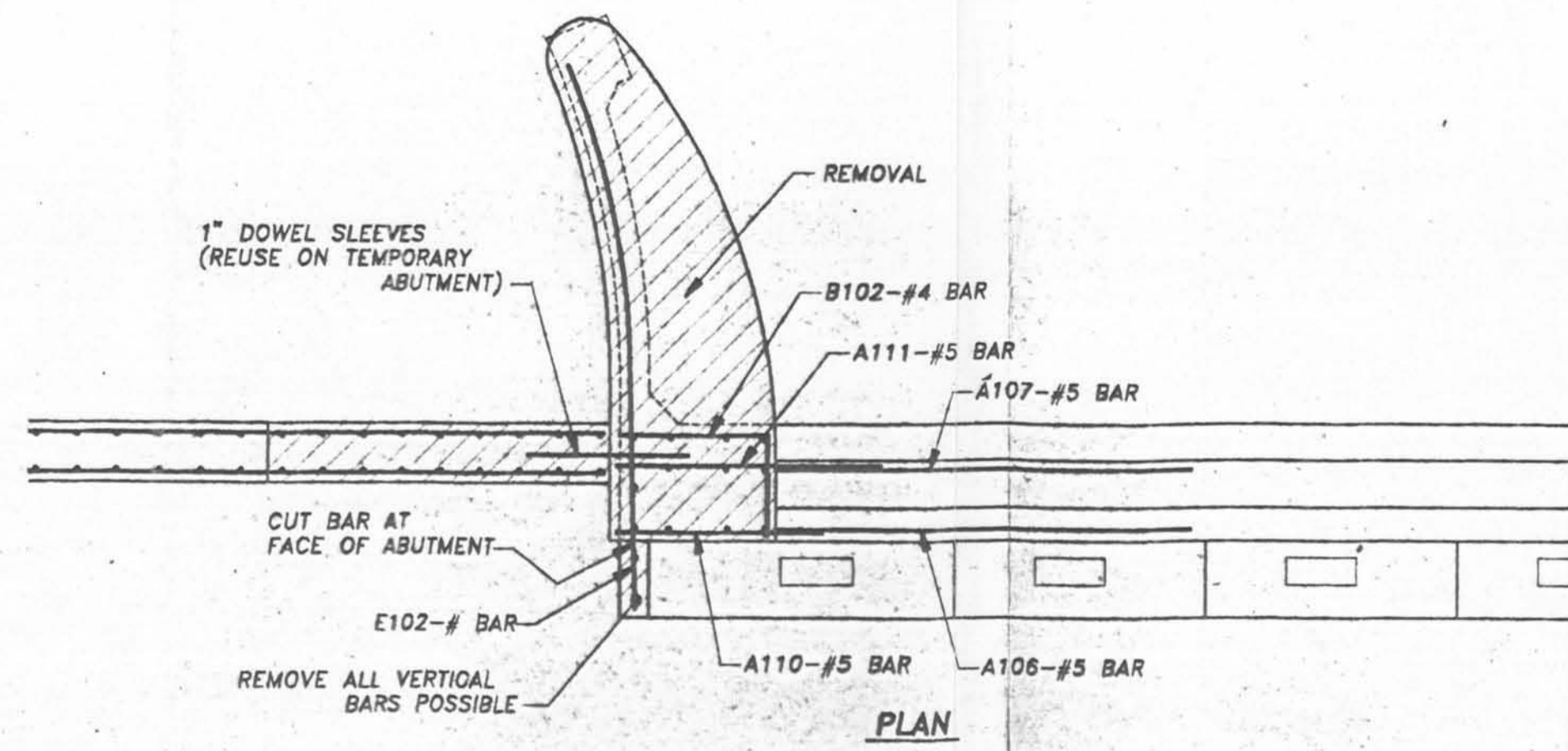
SPAN 1										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
401	28	4	39'-6"	STR.				28.90	401	742.00
									TOTAL #4 BARS	742.00
501	30	6	13'-1"	STR.				13.85	409.50	
									TOTAL #5 BARS	409.50
									TOTAL BARS SPAN 1	1151.50
SPAN 2										
401	28	4	44'-4"	STR.				29.81	829.08	
									TOTAL #4 BARS	829.08
501	35	6	13'-1"	STR.				13.85	484.75	
									TOTAL #5 BARS	484.75
									TOTAL BARS SPAN 2	1313.83
SPAN 3										
401	28	4	37'-4"	STR.				25.28	707.84	
									TOTAL #4 BARS	707.84
501	43	6	13'-1"	STR.				13.85	596.95	
									TOTAL #5 BARS	596.95
									TOTAL BARS SPAN 3	1304.79
SPAN 4										
401	28	4	44'-4"	STR.				29.81	829.08	
									TOTAL #4 BARS	829.08
501	35	6	13'-1"	STR.				13.85	484.75	
									TOTAL #5 BARS	484.75
									TOTAL BARS SPAN 4	1313.83
SPAN 5										
401	28	4	39'-6"	STR.				28.90	742.00	
									TOTAL #4 BARS	742.00
501	30	6	13'-1"	STR.				13.85	409.50	
									TOTAL #5 BARS	409.50
									TOTAL BARS SPAN 5	1151.50
									TOTAL BARS	5363.67


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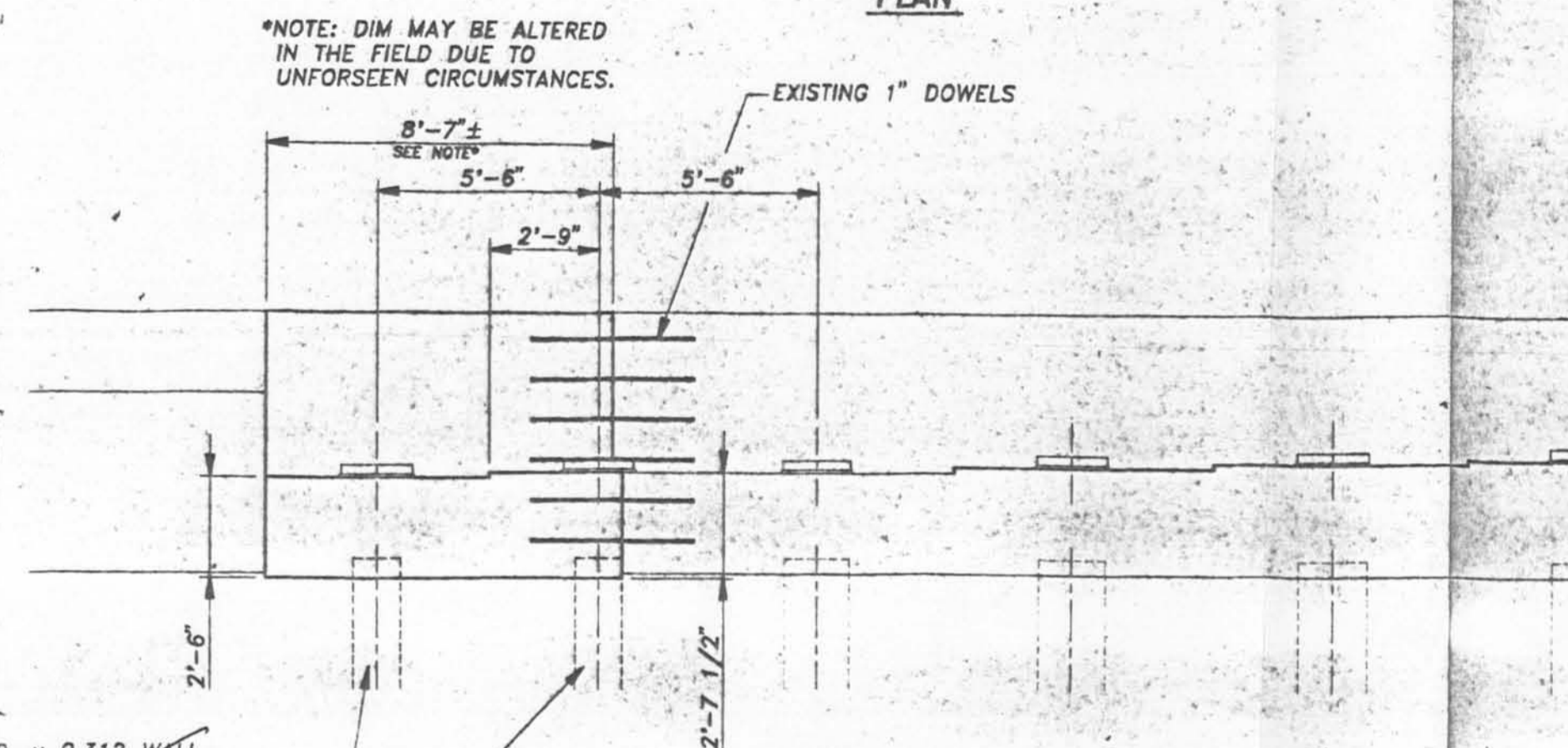
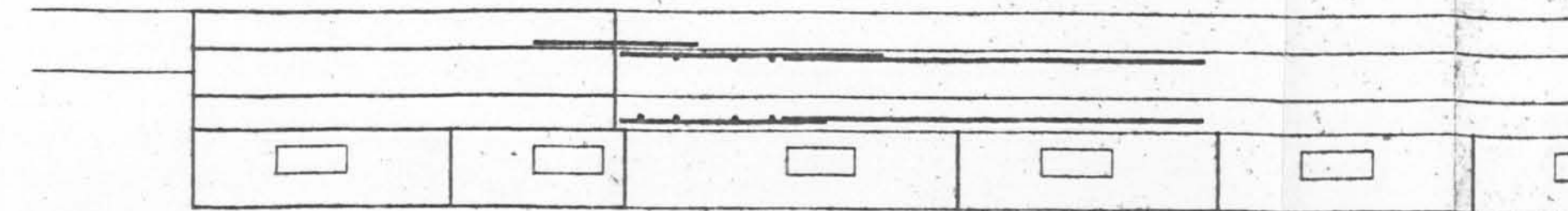
VETERANS BLVD. BRIDGES 17th ST. OUTFALL CANAL
ORLEANS PARISH-JEFFERSON PARISH, LA
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS, LA

SCALE: 1/2" = 1' APPROVED BY: DATE: 11-21-95 DRAWN BY: M.T. ROSS

TEMPORARY WIDENING OF EASTBOUND BRIDGE
SPANS 1 THRU 5
DECK DETAILS DRAWING NUMBER: **4609-17**



REMOVAL DETAIL



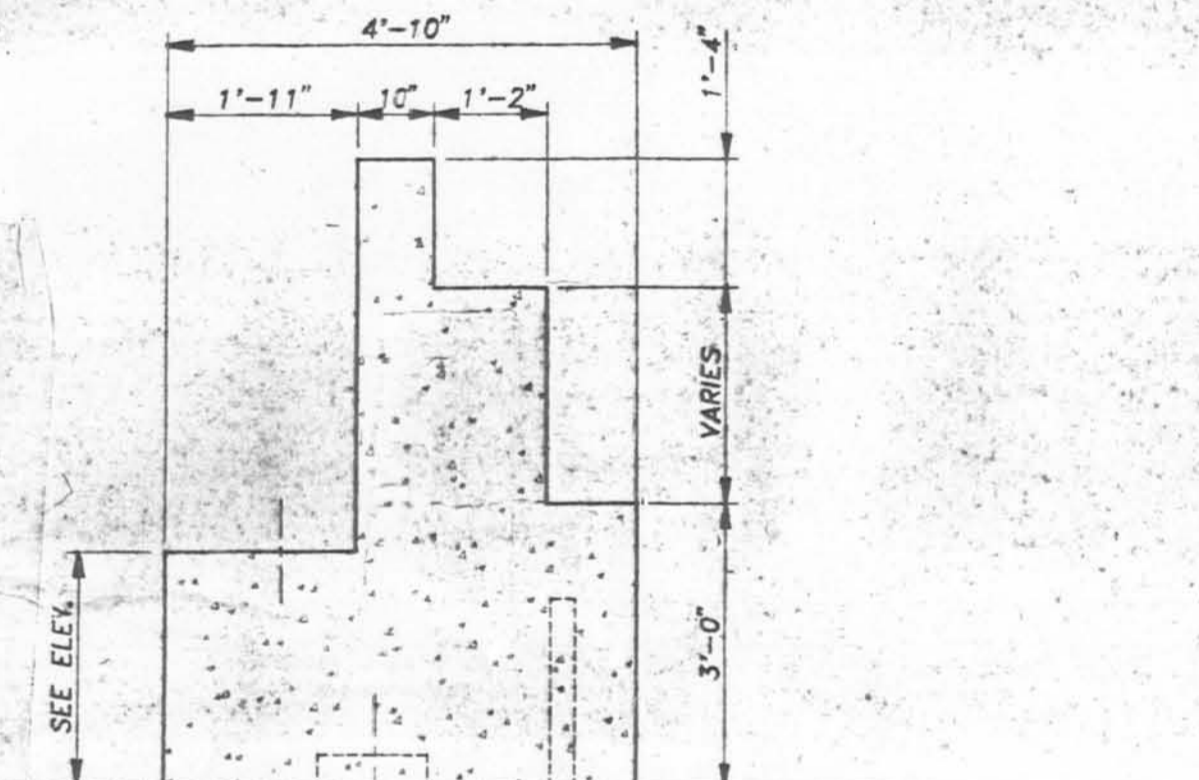
ELEVATION

ABUTMENT DETAIL

ABUTMENT #1 SHOWN
ABUTMENT #2 SIMILAR

14" O.D. x 0.312 WALL
PIPE PILES DRIVEN TO
70 ton CAPACITY
FROM THE LADGTD STRUCTURAL
PILE HANDBOOK, 1988:
28 BLOWS PER FOOT USING
A VULCAN 512 HAMMER =
70.7 ton CAPACITY

Steel HP14x73 piles - 60 feet
long to be driven to grade
without the use of jacking

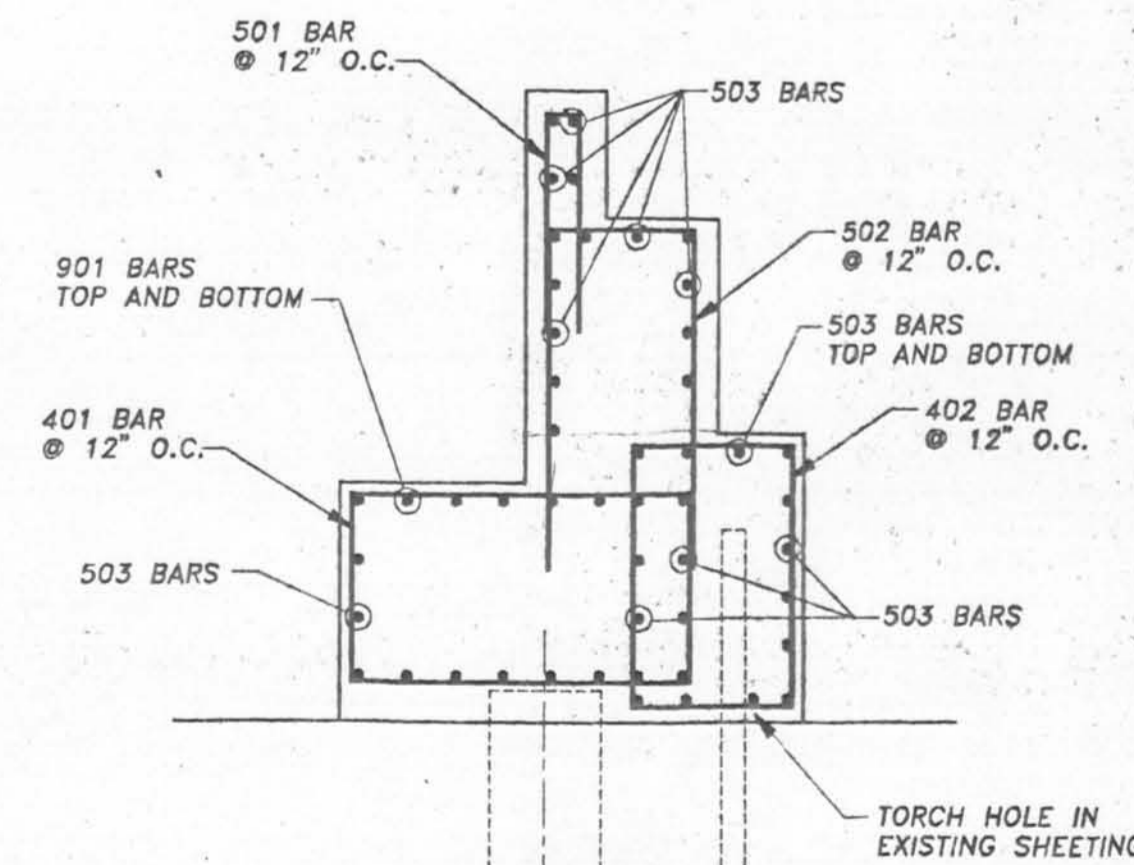


TYPICAL SECTION

1/2" = 1'-0"

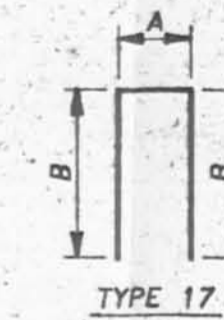
14" O.D. x 0.312 WALL
PIPE PILES DRIVEN TO
70 ton CAPACITY
FROM THE LADGTD STRUCTURAL
PILE HANDBOOK, 1988:
28 BLOWS PER FOOT USING
A VULCAN 512 HAMMER =
70.7 ton CAPACITY

Steel HP14x73 piles - 60 feet
long to be driven to grade
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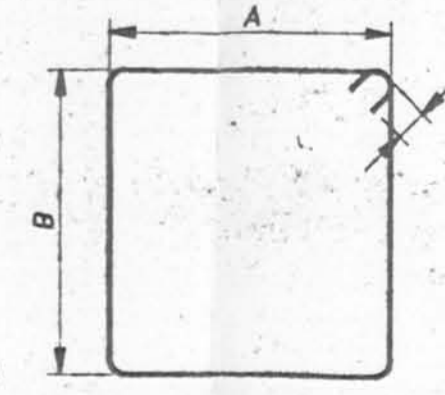


**REINFORCEMENT DETAIL
TYPICAL SECTION**

1/2" = 1'-0"



TYPE T2



TYPE T1

REINFORCING BAR SCHEDULE

TEMPORARY ABUTMENT #1										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
401	8	4	11'-10"	T1	3'-0"	1'-11"	5 1/2"	7.90	71.10	
402	8	4	8'-0"	T1	1'-0"	2'-0"	5 1/2"	6.46	58.14	
									TOTAL #4 BARS	129.24
501	8	5	4'-10"	T2	0'-4"	2'-3"		6.04	48.36	
502	8	5	8'-0"	T2	1'-0"	3'-0"		6.87	76.83	
503	34	5	8'-4"	STR.				6.69	295.46	
									TOTAL #5 BARS	420.65
									TOTAL #7 BARS	509.84
									TOTAL #8 BARS	509.84
									ABUTMENT #1	1059.83
TEMPORARY ABUTMENT #2										
MARK	QTY.	SIZE	LENGTH	TYPE	DIM. A	DIM. B	DIM. C	WEIGHT EA.	TOTAL WGT.	
401	8	4	11'-10"	T1	3'-0"	1'-11"	5 1/2"	7.90	71.10	
402	8	4	8'-0"	T1	1'-0"	2'-0"	5 1/2"	6.46	58.14	
									TOTAL #4 BARS	129.24
501	8	5	4'-10"	T2	0'-4"	2'-3"		6.04	48.36	
502	8	5	8'-0"	T2	1'-0"	3'-0"		6.87	76.83	
503	34	5	8'-4"	STR.				6.69	295.46	
									TOTAL #5 BARS	420.65
									TOTAL #7 BARS	509.84
									TOTAL #8 BARS	509.84
									ABUTMENT #2	1059.83
									TOTAL BARS	2119.86

JOHNSON BROS. CORPORATION

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(612) 695-2871

VETERANS BLVD. BRIDGES 17th ST. OUTFALL CANAL
ORLEANS PARISH - JEFFERSON PARISH, LA
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS, LA

SCALE: 1/4" = 1'
DATE: 11-22-95
APPROVED BY:
DRAWN BY:
S.M.

TEMPORARY WIDENING OF EASTBOUND BRIDGE
ABUTMENTS #1 & #2

ABUTMENT DETAILS
DRAWING NUMBER
4609-18