BID ADDENDUM #3

DATE:	December 11, 2023
PROJECT:	10th St Bridge Multi-modal Connection Project
PROJECT NUMBER:	P.I. NO. 0015890

This Addendum shall be incorporated into the contact documents. The Project Manual and Biding Documents shall be altered as noted below.

Change to Contract Drawings

1. Sheet 25-2002 - A note was to the COA light fixture foundation detail indicating ancillary items (anchor bolts, ground rods, etc.) are to be included in the price bid for Class A concrete. See attached plan sheet.

2. Sheet 25-2005 – A note was added indicating the quantity of concrete and steel required for each COA standard light fixture foundation. See attached plan sheet.

3. Sheet 25-2007 - A note was added indicating roadway light circuits (i.e. City of Atlanta standard light fixture circuits) are not to be installed in the meter pedestals. See attached plan sheet.

   Note: These revised sheets will be provided in the final revised plans to the awarded contractor and stakeholders.

Questions and Answers

1. **Question:** Section 680, Highway Lighting, states that s design consultant be used for the design of the PLS. Is this a requirement since the lighting design appears to be complete?

   Answer: Contractor is not required to provide a design consultant - lighting design is complete.

2. **Question:** Please advise if the entire bridge is required to have a 3/8" two part of polymer? If so, please advise which bid item this is to be included within.

   Answer: Two-part Polymer Overlay is to be applied to the exposed bridge deck surface and approach slabs, including cycle track. As shown on plans, use Pay Item 519-0515 SURFACE PREPARATION and 519-0530 POLYMER OVERLAY for the bridge deck and approach slabs.

3. **Question:** Please confirm which bid item is to be used for the coating on the existing wall/parapet?

   Answer: Per Special Provision 500, there is no separate payment for special surface coating or mural paint. The cost of this work is to be included in the overall price bid.

4. **Question:** Can City of Atlanta permit fee be waved for this project?

   Answer: Once awarded, the selected contractor can submit a request to the City for consideration.

5. **Question:** Can Owner consider installing Ornamental fence post on proposed sidewalk in place of parapet wall? Which further help reduce cost for traffic control and Protective platform.

   Answer: Ornamental fence shall be installed as shown on the plans.

6. **Question:** Can fence removal and installation can be allowed to perform same time at south and northside of the bridge by using one time set up of traffic control on I-75?

   Answer: Staging and sequencing of construction, including traffic control, is contractors means and methods. Alternate staging and sequencing of construction may be used if approved by City of Atlanta, GDOT and engineer. Contractor is responsible for safely maintaining 5-lanes of traffic and accommodating pedestrian traffic on 10th Street. Timing and duration of lane closures on I-75/I-85 are at the sole discretion of GDOT.

7. **Question:** After demo of existing fence on bridge, do owner like us to consider installing temporary safety fence till proposed fence installed?

   Answer: The awarded contractor can submit a request for any special work activity, means and methods, operation plan, etc for approval consideration by the City, GDOT and Midtown Alliance. It is the contractors responsibility to ensure measures are taken to keep pedestrians and vehicular traffic safe and out of work zones. Pedestrian traffic shall be maintained on 10th Street as shown in the staging plans, sheet 35-0003.

8. **Question:** Do outside of parapet wall receive any paint? Drawing did call out for inside face but did not find information for pain on outside of parapet wall.

Answer: Special surface coating IS required on the outside (i.e. interstate-facing side) of parapet walls along the I-75/85 bridge. The Parapet Finish detail on plan sheet 38-0002 will be revised after contract award to show coating on the back side of the bridge parapets. Special surface coating IS NOT required on the back (interstate-facing) side of parapet walls along Williams Street.

9. **Question:** Drawing is called our remove tree along Williams Street, do it also required to remove stum and entire root or we to just grind stump couple of inch below final finish surface?

   Answer: Contractor shall remove stumps and roots for trees shown as "Destroyed" on the plans.

10. **Question:** Are multiple lane closures allowed during daytime on I-75? what will be work hours restrictions?

    Answer: See addendum #2 Special Conditions and Milestones about lane closures and traffic control. Contractor can submit for approval consideration of any specified work hours, weekend, night time work, etc for consideration on a case by case base of work activity.

11. **Question:** Is there any work hour restriction for entire project? Is all works to be scheduled between 9.30 am to 3.30 pm?

    Answer: See addendum #2 Special Conditions and Milestones about lane closures and traffic control. Contractor can submit for approval consideration of any specified work hours, weekend, night time work, etc for consideration on a case by case base of work activity.

12. **Question:** Instead of using protective platform, can we allow to use manlift basket from top of bridge and lane closure on I-75?

    Answer: The contractor is required to submit their work operation, means and methods of work, timelines, etc to the City and GDOT as applicable for consideration and approval. Contractor should bid accordingly.

13. **Question**: If project required any night work, what will be work hour restriction? Is Owner preference for any scope to be schedule nighttime only for this project?

    Answer: Thre are no specified night time or weekend work requirements. The contractor must comply with City ordinances for noise and work hours along with GDOT requirements when

submitting for work activity permitting approval, traffic control approval, etc.

14. **Question:** Typical section is called out to install type III special surface coating finish on existing parapet wall (Parapet wall along William St and Parapet wall on Bridge); . Color to be federal standard color 36622 (Lusterless Gray); which bid SOV line we to use for this scope of work? Do color installation require outside of parapet wall?

    Answer: Per Special Provision 500, there is no separate payment for special surface coating or mural paint. The cost of this work is to be included in the overall price bid.

15. **Question:** Drawing 13-0005 called out work by others between approximate STA 309+50 to 313+38 Right side; is this also includes milling and paving between this area?

    Answer: The adjacent Portman Holdings development between approximate STA 309+50 and 313+38 RT will construct streetscape, curb and storm drainage elements, shown shaded in grey on sheet 13-0005. PI 0015890 contractor is required to mill and resurface Williams Street within the limits shown on the plans, including along the Portman Holdings frontage.

16. **Question:** Does this project require us to perform ground penetrating radar to locate existing rebar for entire bride length where new proposed sidewalk and barrier wall to install? Do Owner have bridge deck and parapet rebar plan available which can be used to avoid need of GPR?

    Answer: Per project plans, rebar in existing deck and parapet shall be located prior to drilling and installation of rebar or anchor bolts. GPR or other means of location rebar shall be used to locate as-built rebar locations. Existing bridge plans are provided for reference only. See Addendum #3 for existing bridge plans. (45 pdf bridge plan sheets are provided identified as Tenth St. Bridge Over I-75 Fulton Co. I-75-2(41)256 Dated Aug 1979)

17. **Question:** To further allow evaluation of the protective platform requirements can the bid be extended 1-2 weeks if possible?

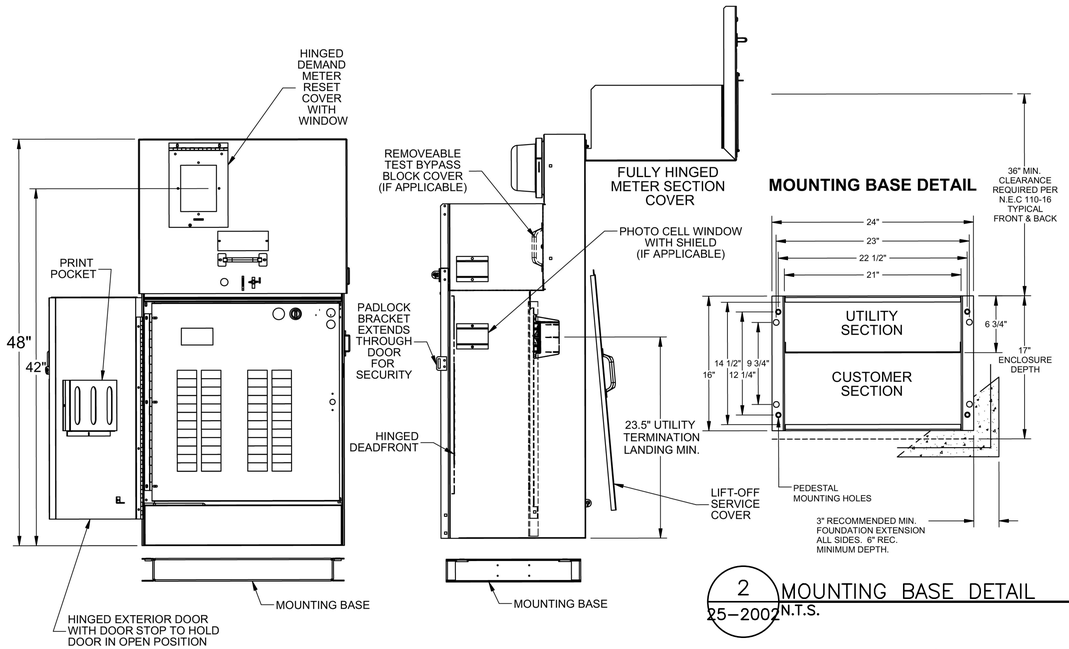
    Answer: No extension of required bid submittal date.

18. **Question:** Ornamental fence is a custom design; will we be able to use GDOT approved subcontractor and supplier for this fence work on bridge parapet wall?

Answer: Fence subcontractor must either be a GDOT prequalified contractor, registered subcontractor, or listed on the GDOT QPL 59.

19. **Question:** Are any subcontractor affidavit or letters of intent needed for bid submission other than the bid opportunity list?

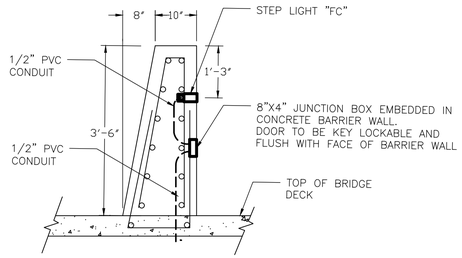
    Answer: For this project per GDOT requirements, please refer to Section 00435 Bid Opportunity List and Sections for DBE Requirements.



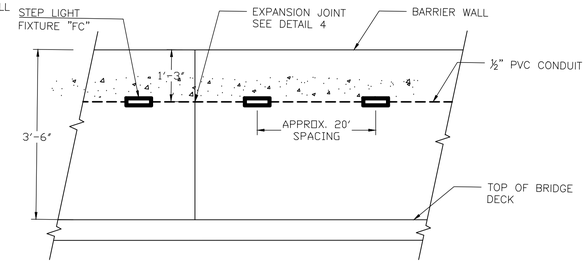
1 25–2002 "B" STYLE COMMERCIAL METER 24" PEDESTAL DETAIL (PSC) N.T.S.

2 25–2002 MOUNTING BASE DETAIL N.T.S.

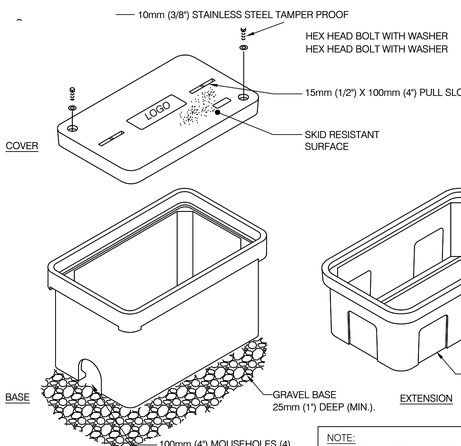
NOTE:
1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT (PSC01), CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES, WIRING AND POWER SERVICE (PSC02) ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.



3 25–2002 BARRIER DETAIL N.T.S.



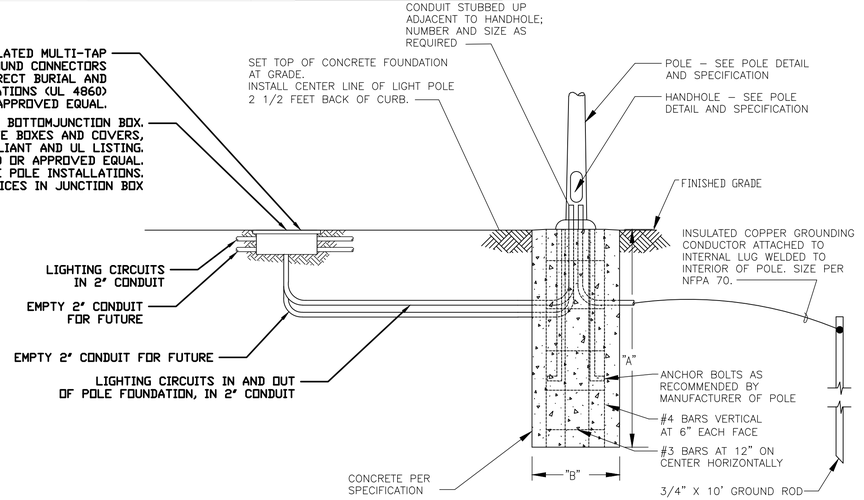
5 25–2002 BARRIER WALL ELEVATION DETAIL N.T.S.



NOTES:
1. PROVIDE STAINLESS HANDHOLE. COVER.
2. PROVIDE 25mm (1") X 10mm (3/8") BELL PULL SLOT FOR EACH HANDHOLE.

NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

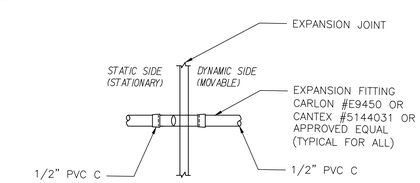
6 25–2002 TYPICAL HAND HOLE DETAIL N.T.S.



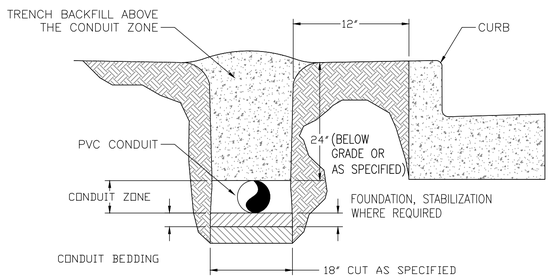
NOTE:
1. COST OF ANCHOR BOLTS, GROUND RODS AND OTHER ANCILLIARY ITEMS ASSOCIATED WITH COA FIXTURE FOUNDATIONS SHALL BE INCLUDED IN THE PRICE BID FOR CLASS A CONCRETE.

POLE HEIGHT	A	B
8'–12'	36"	12"
13'–20'	42"	16"
21'–30'	72"	24"
31'–40'	78"	30"

7 25–2002 COA FIXTURE CONCRETE FOUNDATION DETAIL N.T.S.



4 25–2002 EXPANSION FITTING DETAIL N.T.S.



8 25–2002 TYPICAL TRENCH DETAIL N.T.S.

GEORGIA REGISTERED PE NO. 21552 PROFESSIONAL ENGINEER STEVELT POWELL

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Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES		

10th STREET BRIDGE
LIGHTING DETAILS

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25–2002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	INPUT VOLTAGE	LAMPS			MOUNTING AND/OR MOUNTING HEIGHT	SEE DETAIL
					No.	WATTAGE	TYPE		
FA	POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-15-G 1 -30-A-CODA GREEN W/HAPCO #875832 CODA GREEN POLE OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 W/ UNION METAL #P09-8157 CODA GREEN POLE OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODAGREEN) -P7-PCSS, W/HOLOPHANE #RTA32-8MA-Y207D-TBASE-AB-27-4-RFD444803POLE	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 1, 2 & 3/25-2001 EACH CONCRETE POLE FOUNDATION REQUIRES APPROXIMATELY 1.0 CY OF CLASS A CONCRETE AND 110 POUNDS OF REINFORCING STEEL
FAX	POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-15-G 1 -30-A-CODA GREEN W/HAPCO #875832 CODA GREEN POLE OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 W/ UNION METAL #P09-8157 CODA GREEN POLE OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODAGREEN) -P7-PCSS, W/HOLOPHANE #RTA32-8MA-Y207D-TBASE-AB-27-4-RFD444803POLE	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 1, 2 & 3/25-2001
FC	STEP LIGHT FIXTURE	BEGA	24065-K4, BLK	240	1	11	LED	WALL MOUNTED AT APPROXIMATELY 27" HEIGHT	SEE DETAILS 3, 4 & 5/25-2002
FD	LED STRIP LIGHT FIXTURE	TRAXON	ProPoint Linear HO (48W) 4' RGBW 25° PP:L1.944431	240	20	48	LED	MOUNT ON TOP OF FRAMING FOR WIRE MESH WALL. PROVIDE DMX512 WITH REMOTE DEVICE MANAGEMENT (RDM) FOR LIGHTING CONTROL. INSTALL CONTROL IN POWER SERVICE CABINET.	SEE DETAILS 1, 2 & 3/25-2003
FX1	EXISTING POLE MOUNTED STREET LIGHT FIXTURE (COA TYPE "CH" FIXTURE)	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FX2	EXISTING POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FX3	EXISTING POLE MOUNTED STREET LIGHT FIXTURE (COA TYPE "A" FIXTURE)	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FX4	EXISTING POLE MOUNTED LED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FHX	EXISTING HIGH MAST LIGHT FIXTURE							6 - FIXTURE HIGH MAST LIGHT FIXTURE, MOUNTED AT APPROXIMATELY 100'	NO CHANGE
AFC	COA POLE MOUNTED PEDESTRIAN LIGHT	HOLOPHANE PHILIPS HADCO KING LUMINAIRE OR AN APPROVED EQUAL	HOLOPHANE #AWDE2-P30-30K -AS-M-CMC-5-F-P-RBM-CMC CODA GREEN W/HOLOPHANE #NY(11,42)/17CIT-CA/CM-BC(0.75X12.0ALT45)-3T3-CLO/CS BEARING PLT BREAKCOUP AB-31 -4 RFD456374 CODA GREEN POLE OR /PHILIPS HADCO #C 13991A-4000K -CODA GREEN W/HAPCO #835466-CODA GREEN OR /KING LUMINAIRE #K1 34R -R1AR-V-100(SSL)-1063-1 20:277V-K 14-PR -TAW-3K -SMOOTH CODA GREEN FINISH W/UNION METAL #N1571 -70-8107-CODA GREEN	240	1	61	LED	POLE MOUNTED AT 14' HEIGHT , ALL ALUMINUM TAPERED POLE WITH FLUTED BASE DESIGN	SEE DETAILS 4/25-2001 & 3/25-2004 EACH CONCRETE POLE FOUNDATION REQUIRES APPROXIMATELY 0.6 CY OF CLASS A CONCRETE AND 65 POUNDS OF REINFORCING STEEL
AFX	EXISTING POLE MOUNTED PEDESTRIAN LIGHT	HOLOPHANE PHILIPS HADCO KING LUMINAIRE OR AN APPROVED EQUAL	HOLOPHANE #AWDE2-P30-30K -AS-M-CMC-5-F-P-RBM-CMC CODA GREEN OR /PHILIPS HADCO #C1 3991A-3000K -CODA GREEN OR /KING LUMINAIRE #K 134R-R1AR-V-100(SSL)-1063-1 20:277V -K 14-PR -TAW-3K -SMOOTH CODA GREEN FINISH	240	1	61	LED	POLE MOUNTED AT 14' HEIGHT , ALL ALUMINUM TAPERED POLE WITH FLUTED BASE DESIGN	CONVERT HID FIXTURE TO LED SEE DETAIL 4/25-2001
FGT	EXISTING GEORGIA TECH POLE MOUNTED STREET LIGHT FIXTURE							MOUNTED ON EXISTING POLE, APPROXIMATELY 30' HIGH	NO CHANGE

LIGHT FIXTURE I.D. AND LOCATION

TAG	STATION NO.	OFFSET	STREET/ROAD/PATH	DESCRIPTION
AFC-001	314+00.00	24'-10" R	Williams St.	
AFC-002	315+01.00	24'-10" R	Williams St.	
AFC-003	315+58.00	24'-10" R	Williams St.	
AFC-004	200+67.00	21'-0" L	Techwood Drive	
AFC-005	201+47.00	21'-0" L	Techwood Drive	
AFC-006	202+07.00	21'-0" L	Techwood Drive	
AFC-007	202+97.00	21'-0" L	Techwood Drive	
FA-001	309+34.00	23'-8" R	Williams St.	
FA-002	314+45.00	24'-6" R	Williams St.	
FA-003	316+27.00	24'-6" R	Williams St.	
FA-004	317+78.00	37'-11" R	Williams at 12th St.	
FC-001	104+74.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-002	104+94.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-003	105+13.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-004	105+33.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-005	105+52.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-006	105+72.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-007	105+92.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-008	106+12.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-009	104+74.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-010	104+94.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-011	105+13.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-012	105+33.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-013	105+52.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-014	105+72.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-015	105+92.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-016	106+12.00	45'-0" L	10th St. Bridge North Barrier Wall	
FD			North Wire Screen Wall - 10th St. Bridge	See Details Sheet 25-2003
FD			South Wire Screen Wall - 10th St, Bridge	See Details Sheet 25-2003

NOTE:

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2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT (PSC01), CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES, WIRING AND POWER SERVICE (PSC02) ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.

GEORGIA REGISTERED NO. 21557 PROFESSIONAL ENGINEER EVELYN T. POWELL

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Atlanta, GA 30308

REVISION DATES

10th STREET BRIDGE
SCHEDULES

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-2005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

P.I. No. 0015890

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1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT (PSC01), CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES, WIRING AND POWER SERVICE (PSC02) ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.

PANEL PSC01L

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 φ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	----
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		B		C		POLE	TRIIP AMPS	DESCRIPTION
1,3	MAIN CIRCUITT BREAKER	20	2	0	0					1	20	Lighting Controls
1,3	MAIN CIRCUITT BREAKER	20	2			0	0			1	20	----
5	Cabinet Rcpt	20	1	180	0					1	20	----
7	Cabinet Lgt	20	1			100	0			1	20	----
9,11	----	20	2	0	4208					2	100	PANEL PSC01H
9,11	----	20	2			0	4208			2	100	PANEL PSC01H
13,15	----	20	2	0	0					2	20	----
13,15	----	20	2			0	0			2	20	----
				CONNECTED LOAD PHASE TOTALS (VA)								
				4388		4308		0				

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Lighting	8.5	1.25	10.6
Receptacles (0 – 10 KVA)	0.2	1.00	0.2
Transformers	0.0	1.25	0.0
TOTAL:	8.7		10.8
LOAD (AMPS):	36.2		45.1

DEMAND LOAD	10.8 I
SPARE CAPACITY	13.2 I
SPARE CAPACITY	54.9 .
SPARE CAPACITY	55 :
PHASE BALANCE	
A TO B	98 :
B TO C	0 :
C TO A	0 :

PANEL PSC02L

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 φ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	----
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		B		C		POLE	TRIIP AMPS	DESCRIPTION
1,3	MAIN CIRCUIT BREAKER	20	2	0	0					1	20	Lighting Controls
1,3	MAIN CIRCUIT BREAKER	20	2			0	0			1	20	----
5	Cabinet Rcpt	20	1	180	0					1	20	----
7	Cabinet Lgt	20	1			100	0			1	20	----
9,11	Street Lgts	20	2	644	183					2	100	PANEL PSC02H
9,11	Street Lgts	20	2			644	183			2	100	PANEL PSC02H
13,15	----	20	2	0	0					2	20	----
13,15	----	20	2			0	0			2	20	----
				CONNECTED LOAD PHASE TOTALS (VA)								
				1007		927		0				

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Lighting	1.8	1.25	2.2
Receptacles (0 – 10 KVA)	0.2	1.00	0.2
Transformers	0.0	1.25	0.0
TOTAL:	1.9		2.4
LOAD (AMPS):	8.1		9.9

DEMAND LOAD	2.4 KVA
SPARE CAPACITY	21.6 KVA
SPARE CAPACITY	90.1 AMPS
SPARE CAPACITY	90 %
PHASE BALANCE	
A TO B	92 %
B TO C	0 %
C TO A	0 %

PANEL PSC01H

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 φ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	----
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		B		C		POLE	TRIIP AMPS	DESCRIPTION
1,3	----	20	2	0	176					2	20	BARIER LGTS
1,3	----	20	2			0	176			2	20	BARIER LGTS
5,7	N WALL LGTS	20	2	864	864					2	20	S WALL LGTS
5,7	N WALL LGTS	20	2			864	864			2	20	S WALL LGTS
9,11	N WALL LGTS	20	2	1152	1152					2	20	S WALL LGTS
9,11	N WALL LGTS	20	2			1152	1152			2	20	S WALL LGTS
13,15	----	20	2	0	0					2	20	----
13,15	----	20	2			0	0			2	20	----
				CONNECTED LOAD PHASE TOTALS (VA)								
				4208		4208		0				

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Lighting	8.4	1.25	10.5
TOTAL:	8.4		10.5
LOAD (AMPS):	35.1		43.8

DEMAND LOAD	10.5 K
SPARE CAPACITY	13.5 K
SPARE CAPACITY	56.2 A
SPARE CAPACITY	56 %
PHASE BALANCE	
A TO B	100 %
B TO C	0 %
C TO A	0 %

PANEL PSC02H

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 φ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	----
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		B		C		POLE	TRIIP AMPS	DESCRIPTION
1,3	Ped Lgts	20	2	183	0					2	20	----
1,3	Ped Lgts	20	2			183	0			2	20	----
5,7	----	20	2	0	0					2	20	----
5,7	----	20	2			0	0			2	20	----
9,11	----	20	2	0	0					2	20	----
9,11	----	20	2			0	0			2	20	----
13,15	----	20	2	0	0					2	20	----
13,15	----	20	2			0	0			2	20	----
				CONNECTED LOAD PHASE TOTALS (VA)								
				183		183		0				

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Lighting	0.4	1.25	0.5
TOTAL:	0.4		0.5
LOAD (AMPS):	1.5		1.9

DEMAND LOAD	0.5 KV/
SPARE CAPACITY	23.5 KV/
SPARE CAPACITY	98.1 AM
SPARE CAPACITY	98 %
PHASE BALANCE	
A TO B	100 %
B TO C	0 %
C TO A	0 %

GEORGIA REGISTERED NO. 21592 PROFESSIONAL ENGINEER EVELYN POWELL

RPA
R. POWELL & ASSOCIATES, INC.
ENGINEERING CONSULTANTS
1312 KILLIAN WAY
LILBURN, GEORGIA 30047
PHONE: 770-806-0143

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

10th STREET BRIDGE
SCHEDULES

CHECKED:	RP	DATE:	5/19/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 25-2007

SEQUENCE OF CONSTRUCTION

STATE AID PROJ NO	FED ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		71	177

PHASE I

DISMANTLEMENT AND REMOVAL OF SOUTH PORTIONS OF EXISTING BRIDGE APPROACHES. CONSTRUCTION OF PORTION OF PERMANENT BRIDGE FOR WATER MAIN SUPPORT. RELOCATION OF 36-INCH WATER MAIN. CONSTRUCTION OF SOUTH PORTIONS OF TEMPORARY SPANS. (I-75 TRAFFIC ON EXISTING FREEWAY)

STEP 1 - INSTALL TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES ON NORTH PORTIONS OF EXISTING BRIDGE AND BRIDGE APPROACHES.

STEP 2 - ROUTE CROSS-STREET TRAFFIC ONTO NORTH TWO-LANE PORTION OF EXISTING BRIDGE AND CLOSE SOUTH PORTION OF BRIDGE TO TRAFFIC.

(STEPS 3-15 APPLY TO SOUTH PORTIONS OF BRIDGE AND BRIDGE APPROACHES.)

STEP 3 - DISMANTLE AND REMOVE EXISTING APPROACHES, ABANDONED UTILITIES, AND WINGWALLS. CONSTRUCT RELOCATED SEWER LINE ON WILLIAMS STREET.

STEP 4 - FIELD-VERIFY LOCATION OF EXISTING 36-INCH WATER MAIN.

STEP 5 - INSTALL REQUIRED EXCAVATION BRACING TO PROTECT TRAFFIC AND EXISTING 36-INCH MAIN.

STEP 6 - EXCAVATE FOR CONSTRUCTION, MODIFY EXISTING ABUTMENTS, AND INSTALL EXCAVATION BRACING AT EXISTING ABUTMENTS.

STEP 7 - CONSTRUCT PORTION OF PERMANENT BRIDGE FOR WATER MAIN SUPPORT AND TEMPORARY SPANS.

STEP 8 - INSTALL 36-INCH REPLACEMENT WATER MAIN AND APPURTENANCES.

STEP 9 - BACKFILL ABUTMENTS LOCALLY AROUND MAIN, THEN TIE IN MAIN. REMOVE AND RELOCATE REQUIRED EXCAVATION BRACING BETWEEN ABUTMENTS AND RETAINING WALLS.

STEP 10- INSTALL REMAINING REQUIRED EXCAVATION BRACING.

STEP 11- ACCOMPLISH REMAINING EXCAVATION AND DISMANTLE AND REMOVE EXISTING 36-INCH WATER MAIN AS SHOWN.

STEP 12- CONSTRUCT RETAINING WALLS.

STEP 13- BACKFILL PERMANENT ABUTMENTS AND RETAINING WALLS.

STEP 14- REMOVE EXCAVATION BRACING BEHIND PERMANENT ABUTMENTS AND RETAINING WALLS. RELOCATE EXCAVATION BRACING BETWEEN PORTIONS OF ABUTMENTS.

STEP 15- CONSTRUCT TEMPORARY APPROACH PAVEMENT.

STEP 16- MODIFY OR REMOVE TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES.

PHASE II

DISMANTLEMENT AND REMOVAL OF NORTH PORTIONS OF EXISTING BRIDGE APPROACHES. CONSTRUCTION OF NORTH PORTIONS OF TEMPORARY SPANS. (I-75 TRAFFIC ON EXISTING FREEWAY)

STEP 1 - INSTALL TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES ON SOUTH PORTIONS OF EXISTING BRIDGE, BRIDGE APPROACHES, AND TEMPORARY SPANS.

STEP 2 - ROUTE CROSS-STREET TRAFFIC ONTO SOUTH TWO-LANE PORTION OF EXISTING BRIDGE AND CLOSE NORTH PORTION OF BRIDGE TO TRAFFIC.

(STEPS 3-12 APPLY TO NORTH PORTIONS OF BRIDGE AND BRIDGE APPROACHES)

STEP 3 - DISMANTLE AND REMOVE EXISTING APPROACHES, ABANDONED UTILITIES, AND WINGWALLS.

STEP 4 - INSTALL REQUIRED EXCAVATION BRACING.

STEP 5 - EXCAVATE FOR CONSTRUCTION AND INSTALL EXCAVATION BRACING AT EXISTING ABUTMENTS.

STEP 6 - REMOVE REQUIRED EXCAVATION BRACING BETWEEN PORTIONS OF TEMPORARY SPANS.

STEP 7 - CONSTRUCT PERMANENT ABUTMENTS AND RETAINING WALLS.

STEP 8 - MODIFY EXISTING ABUTMENTS.

STEP 9 - CONSTRUCT TEMPORARY SPANS.

STEP 10- BACKFILL PERMANENT ABUTMENTS AND RETAINING WALLS.

STEP 11- REMOVE REQUIRED EXCAVATION BRACING BRACING BEHIND PERMANENT ABUTMENTS AND RETAINING WALLS.

STEP 12- CONSTRUCT TEMPORARY APPROACH PAVEMENT.

STEP 13- MODIFY OR REMOVE TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES.

STEP 14- OPEN ENTIRE EXISTING BRIDGE AND TEMPORARY SPANS TO TRAFFIC.

PHASE III

DISMANTLEMENT AND REMOVAL OF NORTH PORTIONS OF EXISTING BRIDGE AND TEMPORARY SPANS. (I-75 NORTHBOUND TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY. I-75 SOUTHBOUND TRAFFIC ON EXISTING FREEWAY.)

STEP 1 - INSTALL TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES ON SOUTH PORTIONS OF EXISTING BRIDGE, TEMPORARY SPANS AND BRIDGE APPROACHES

STEP 2 - ROUTE CROSS-STREET TRAFFIC ONTO SOUTH TWO-LANE PORTIONS OF EXISTING BRIDGE, TEMPORARY SPANS AND BRIDGE APPROACHES

(STEPS 3-6 APPLY TO NORTH PORTION OF THE BRIDGE.)

STEP 3 - DISMANTLE AND REMOVE TIMBER DECK AND STRUCTURAL STEEL FRAMING OF TEMPORARY SPAN AT WEST END OF BRIDGE

(I-75 TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY.)

STEP 4 - REPEAT STEP 3 AT EAST END OF BRIDGE.

STEP 5 - DISMANTLE AND REMOVE EXISTING BRIDGE SUPERSTRUCTURE.

STEP 6 - DISMANTLE AND REMOVE EXISTING BRIDGE SUBSTRUCTURE.

NOTE: THE NORTH HALF OF RELOCATED TENTH STREET, EAST AND WEST OF THE PERMANENT BRIDGE, WILL BE CONSTRUCTED TO FINISHED GRADE, INCLUDING APPROACH SLABS, BY OTHERS CONCURRENTLY WITH PHASES III AND IV.

PHASE IV

CONSTRUCTION OF NORTH PORTION OF PERMANENT BRIDGE. (I-75 TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY)

STEP 1 - INSTALL REQUIRED EXCAVATION BRACING AT CENTER PIER.

STEP 2 - CONSTRUCT CENTER PIER.

STEP 3 - COMPLETE CONSTRUCTION OF PERMANENT ABUTMENTS.

STEP 4 - CONSTRUCT SUPERSTRUCTURE.

NOTE: THE NORTH HALF OF RELOCATED TENTH STREET, EAST AND WEST OF THE PERMANENT BRIDGE, WILL BE CONSTRUCTED TO FINISHED GRADE, INCLUDING APPROACH SLABS, BY OTHERS CONCURRENTLY WITH PHASES III AND IV.

PHASE V

DISMANTLEMENT AND REMOVAL OF SOUTH PORTIONS OF EXISTING BRIDGE AND TEMPORARY SPANS. (I-75 TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY)

STEP 1 - INSTALL TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES ON NORTH PORTION OF PERMANENT BRIDGE.

STEP 2 - ROUTE CROSS-STREET TRAFFIC ONTO NORTH THREE-LANE PORTION OF PERMANENT BRIDGE.

(STEPS 3-5 APPLY TO SOUTH PORTION OF THE BRIDGE)

STEP 3 - DISMANTLE AND REMOVE EXISTING BRIDGE SUPERSTRUCTURE.

STEP 4 - DISMANTLE AND REMOVE TIMBER DECK AND STRUCTURAL STEEL FRAMING OF TEMPORARY SPANS.

STEP 5 - DISMANTLE AND REMOVE EXISTING BRIDGE SUBSTRUCTURE.

STEP 6 - REMOVE REQUIRED EXCAVATION BRACING AT CENTER PIER.

NOTE: THE SOUTH HALF OF RELOCATED TENTH STREET, EAST AND WEST OF THE PERMANENT BRIDGE, WILL BE CONSTRUCTED TO FINISHED GRADE, INCLUDING APPROACH SLABS, BY OTHERS CONCURRENTLY WITH PHASES V AND VI.

PHASE VI

CONSTRUCTION OF SOUTH PORTION OF PERMANENT BRIDGE. (I-75 TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY)

STEP 1 - CONSTRUCT CENTER PIER, INCLUDING REMAINING SECTION OF PIER SHAFT AT WATER MAIN.

STEP 2 - COMPLETE CONSTRUCTION OF PERMANENT ABUTMENTS.

STEP 3 - CONSTRUCT SUPERSTRUCTURE AND INSTALL TELEPHONE CONDUIT, GAS MAIN AND 8" WATER MAIN SUPPORTS.

STEP 4 - REMOVE TEMPORARY TRAFFIC BARRIERS, SIGNS, STRIPING, AND BARRICADES.

NOTE: THE SOUTH HALF OF RELOCATED TENTH STREET, EAST AND WEST OF THE PERMANENT BRIDGE, WILL BE CONSTRUCTED TO FINISHED GRADE, INCLUDING APPROACH SLABS, BY OTHERS CONCURRENTLY WITH PHASES V AND VI.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

SEQUENCE OF CONSTRUCTION
PHASES I THRU VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

DATE | REVISIONS | BY

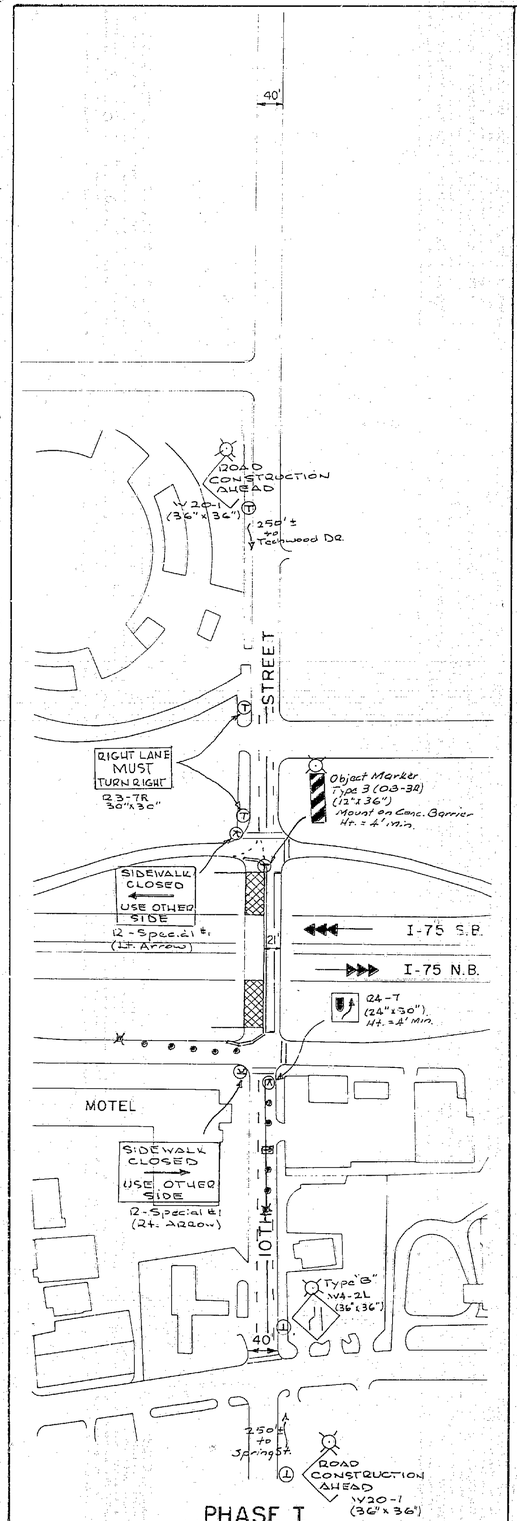
SCALE: NONE | DATE: AUG., 1979
CONSULTANT | HIGHWAY DIVISION
DESIGNED W.H.L. | CHECKED J.L.G. | REVIEWED
DRAWN L.C. | REVIEWED E.R.P. | APPROVED

BRIDGE SHEET
B-3 OF 44

STATE AID PROJ NO	FED. ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		72	177

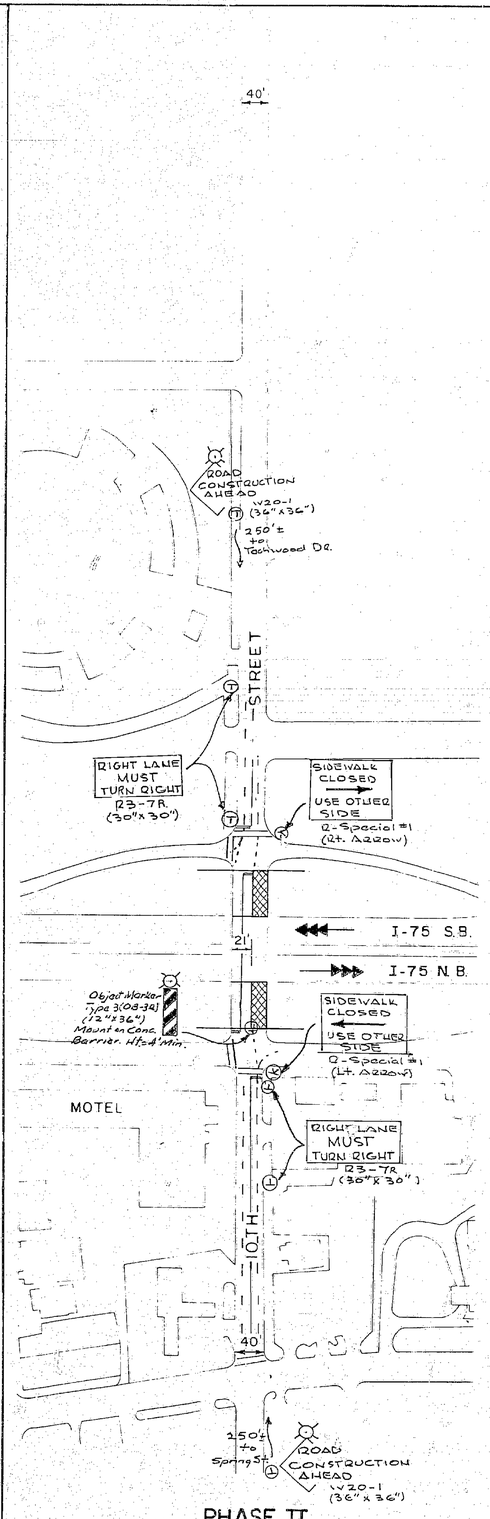
CT. 2

REV. 5-27-80



PHASE I

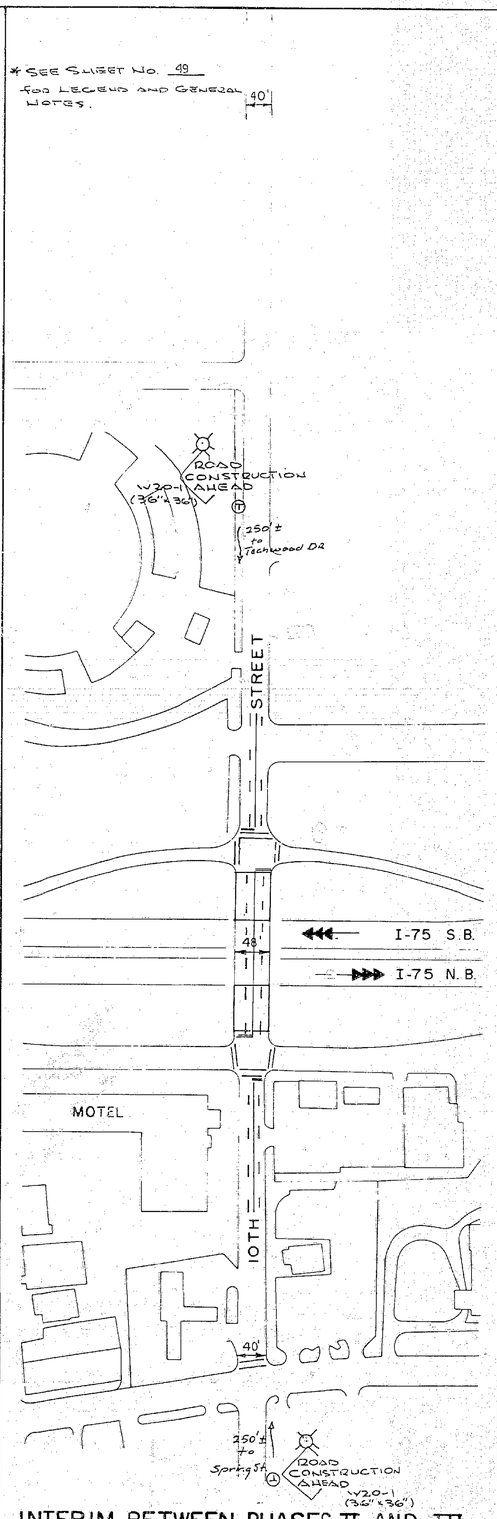
I-75 TRAFFIC ON EXISTING FREEWAY



PHASE II

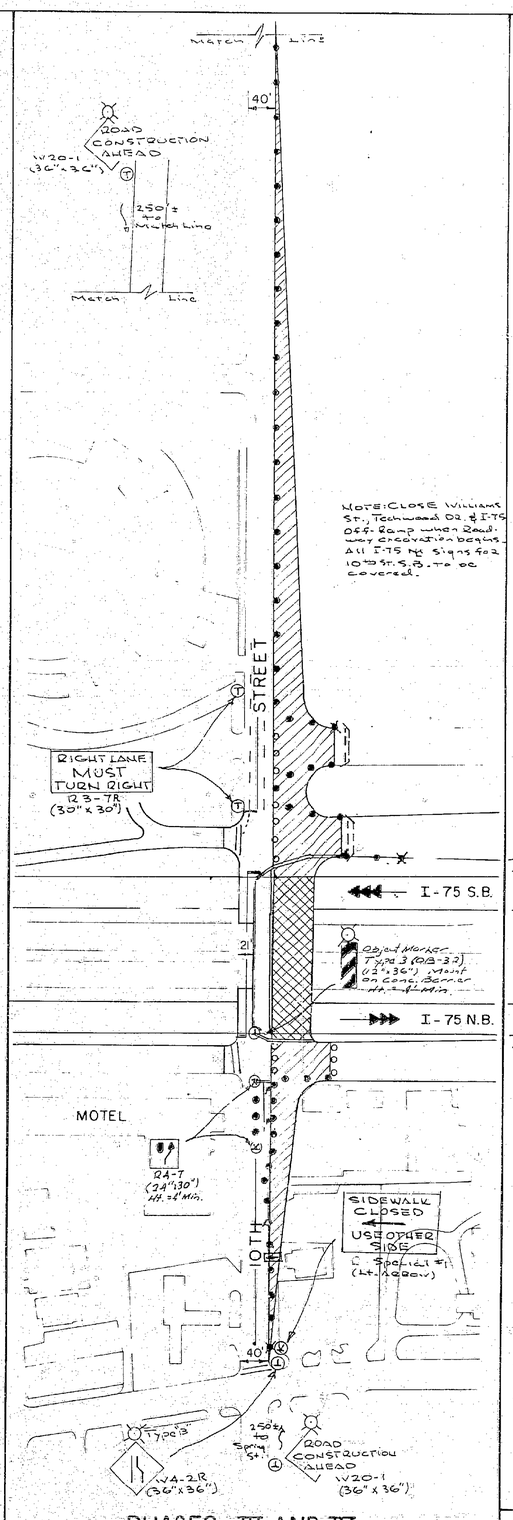
I-75 TRAFFIC ON EXISTING FREEWAY

* SEE SLIDET NO. 49 FOR LEGEND AND GENERAL NOTES.



INTERIM BETWEEN PHASES II AND III

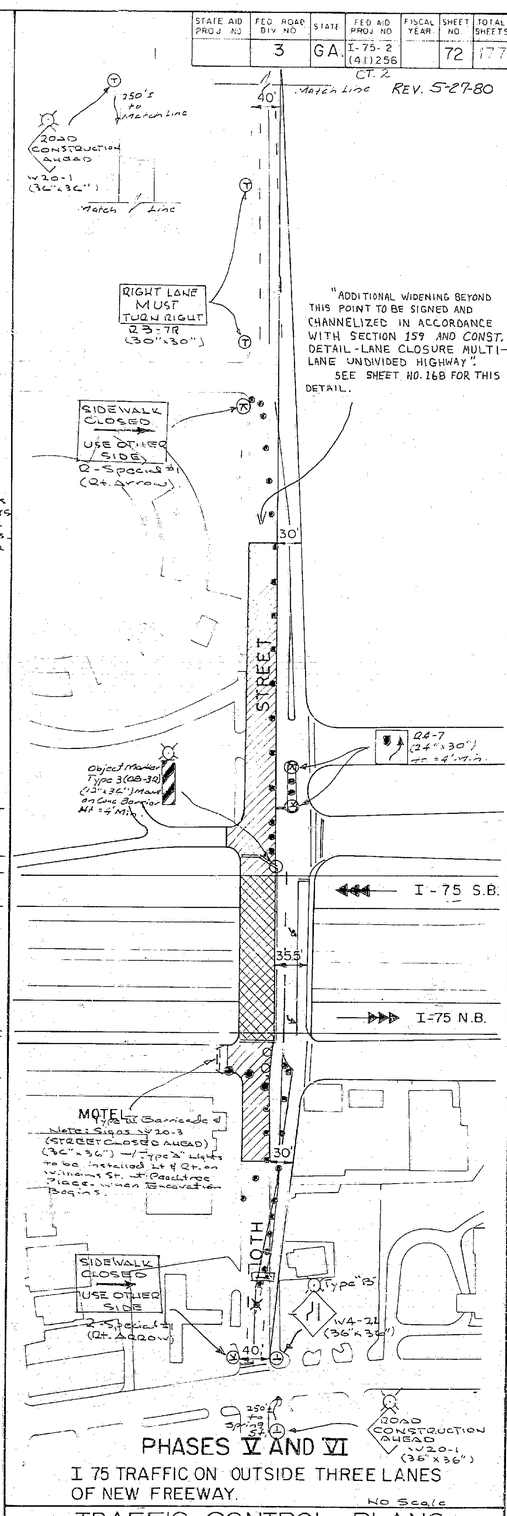
I-75 TRAFFIC ON EXISTING FREEWAY



PHASES III AND IV

I-75 TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY.

BRIDGE SHEET B-4 OF 44



PHASES V AND VI

I 75 TRAFFIC ON OUTSIDE THREE LANES OF NEW FREEWAY.

No Scale

TRAFFIC CONTROL PLANS

PHASES I THRU VI

TENTH STREET BRIDGE OVER I-75

STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 Ct. 2		73	177

SOUTHBOUND EXIT RAMP

TELEPHONE MANHOLE

N

TELEPHONE DUCTS TO BE INSTALLED BY SOUTHERN BELL TELEPHONE CO. PRIOR TO CONSTRUCTION-N.I.C.

℄ EXIST. I-75

⚠ 8" WATER MAIN TO BE INSTALLED DURING PHASE VI

PROPOSED REGULATOR STATION

2-STORY

WILLIAMS ST.

GAS BOX

EXIST. 8 & 11-4" TELEPHONE DUCTS TO BE ABANDONED PRIOR TO CONSTRUCTION-N.I.C.

EXIST. 8" WATER MAIN TO BE ABANDONED PRIOR TO CONSTRUCTION-N.I.C.

℄ RELOCATED TENTH ST.

8" GAS LINE TO BE INSTALLED BY THE ATLANTA GAS LIGHT CO. DURING PHASE VI - N.I.C.

℄ EXIST. TENTH ST.

GUY POLE

EXIST. 8' ST. & CON.

EXIST. 8" GAS TO BE ABANDONED PRIOR TO CONSTRUCTION-N.I.C.

EXISTING 36" WATER MAIN SHALL BE DISCONNECTED AND REMOVED WHEN NEW WATER MAIN IS READY FOR TIE IN PHASE I

TELEPHONE DUCTS TO BE INSTALLED BY SOUTHERN BELL TELEPHONE CO. DURING PHASE VI - N.I.C.

EXIST. OVERHEAD POWER LINES TO BE ABANDONED PRIOR TO CONSTRUCTION N.I.C.

36" WATER MAIN SHALL BE CONSTRUCTED DURING PHASE I. TIE-IN TO THE EXISTING WATER MAIN SHALL BE MADE AFTER THAT PORTION OF THE EXISTING WATER MAIN WHICH CROSSES UNDER THE FREEWAY HAS BEEN DISCONNECTED.

STORM DRAIN TO BE CONSTRUCTED DURING PHASE I, SEE BRIDGE SHEET B-6.

EXISTING STORM DRAIN TO BE ABANDONED AFTER COMPLETION OF NEW STORM DRAIN IN PHASE I

10-STORY

SOUTHBOUND ENTRANCE RAMP

LEGEND

- STREET LIGHT
- EXIST. TRAFFIC SIGNAL ON POWER POLE
- EXIST. TRAFFIC SIGNAL
- —T— OVERHEAD TELEPHONE LINE
- —UT— UNDERGROUND TELEPHONE DUCTS
- —P— OVERHEAD POWER LINE
- —G— GAS LINE
- —W— WATER LINE
- POWER POLE
- TELEPHONE POLE
- —CS— COMBINATION SEWER

NOTE: N.I.C. = NOT IN CONTRACT

BRIDGE SHEET B-5 OF 44

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION BRIDGE DESIGN

UTILITY PLAN

PHASES I THRU VI

TENTH STREET BRIDGE OVER I-75

STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41) 256

REVISIONS	BY	DATE
ADD 8" WATER MAIN		5/2/80

SCALE: 1" = 15' DATE: AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED L.J.M. CHECKED J.L.G. REVIEWED _____

DRAWN L.L.C. REVIEWED F.R.P. APPROVED _____

STATE AID PROJ NO	FED ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		74	177

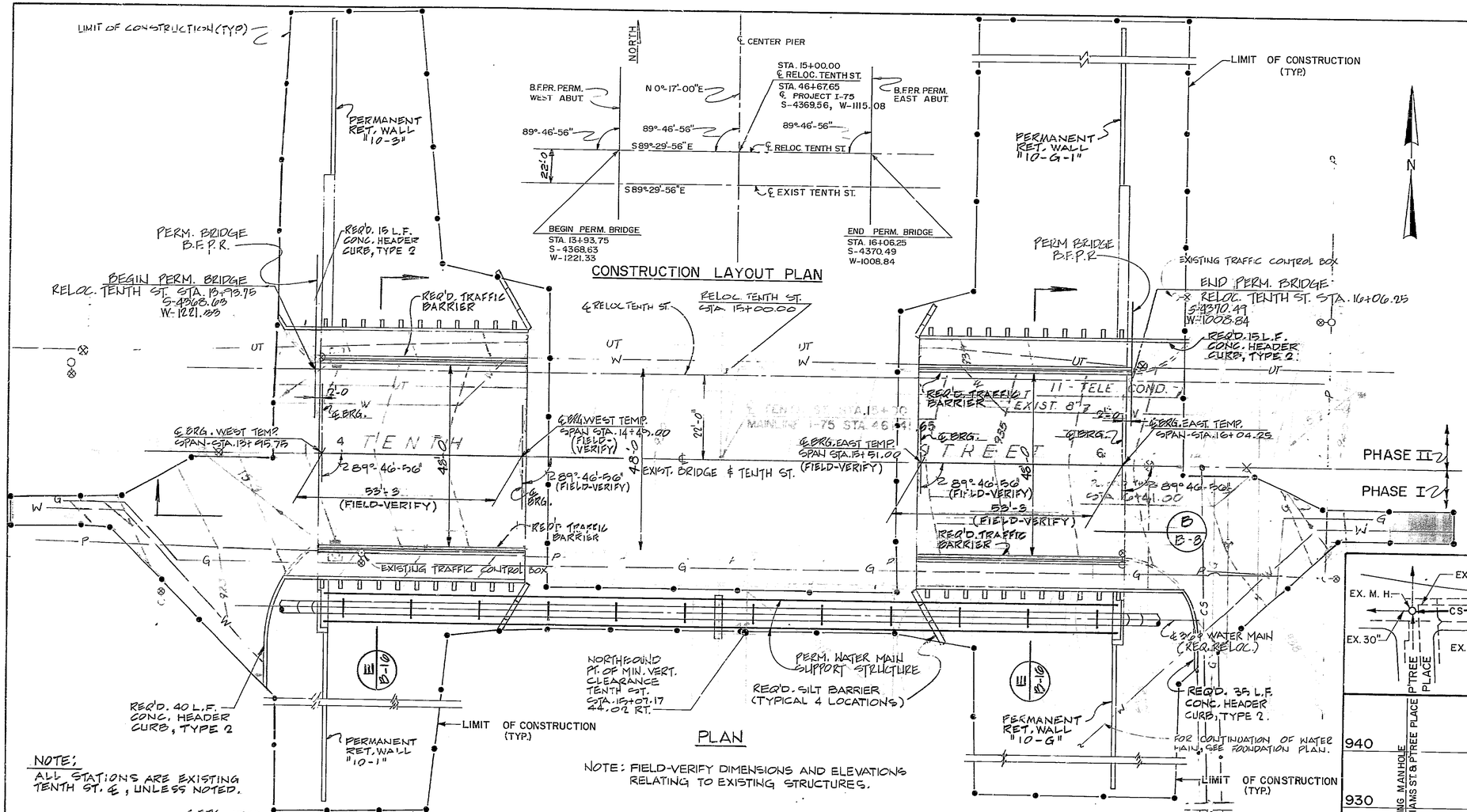
TEMPORARY SPANS CONSIST OF

TIMBER DECK ---------- SPECIAL DESIGN
2- (53.25') STEEL WIDE-FLANGE SPANS (NON-COMPOSITE) ---------- SPECIAL DESIGN
2- MODIFICATIONS OF EXISTING ABUTMENTS ---------- SPECIAL DESIGN
2- CONCRETE ABUTMENTS (PHASES I & II-PORTIONS OF PERMANENT) ---------- SPECIAL DESIGN
1- CONCRETE INTERMEDIATE PIER AT WATER MAIN (PERMANENT) --- SPECIAL DESIGN
BAR BENDING DETAILS ---------- GA. S.D. 3401
TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. S.D. 9037

DESIGN DATA - TEMPORARY SPANS

SPECIFICATIONS - A.A.S.H.T.O. 1977 (INTERIM 1978)
TYPICAL HS 20-44 - IMPACT ALLOWED
CONCRETE - f'_c = 3,000 PSI
REINFORCING - f_y = 40,000 PSI
TIMBER - F_b = 1,600 PSI
ALL. HORIZ. SHEAR = 160 PSI
MAX. DEFLECTION UNDER SERVICE LIVE LOAD PLUS IMPACT $\leq \frac{L}{360}$

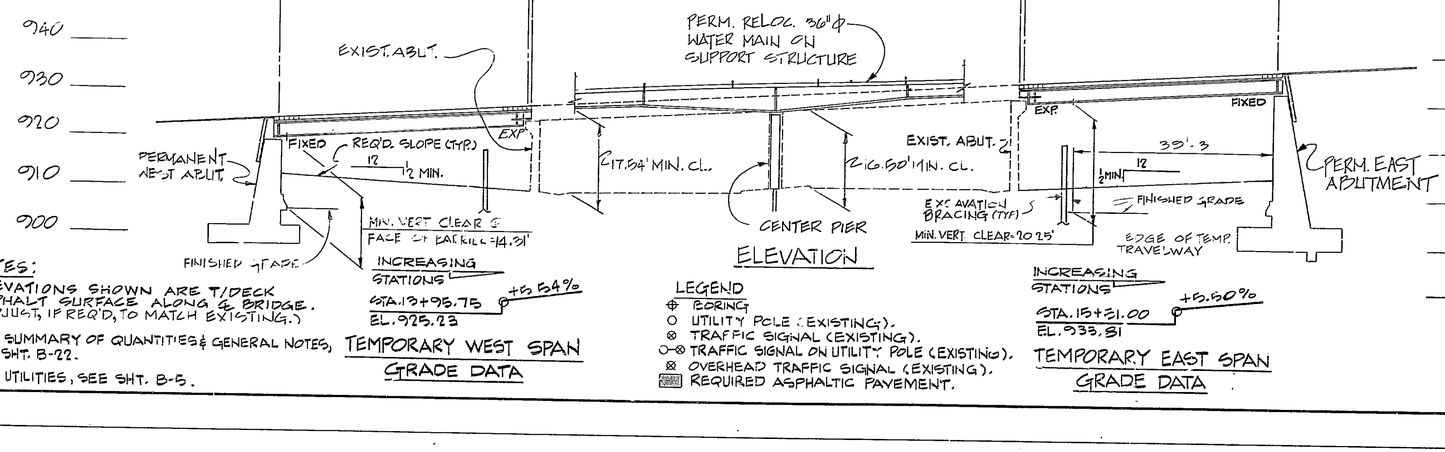
CONSTRUCTION LAYOUT PLAN



PLAN

NOTE: FIELD-VERIFY DIMENSIONS AND ELEVATIONS RELATING TO EXISTING STRUCTURES.

NOTE:
ALL STATIONS ARE EXISTING TENTH ST. ℄, UNLESS NOTED.



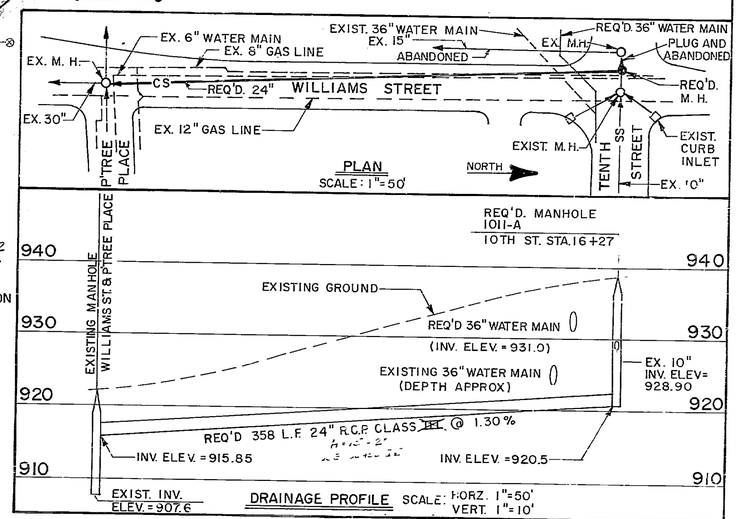
ELEVATION

NOTES:
1. ELEVATIONS SHOWN ARE T/DECK ASPHALT SURFACE ALONG ℄ BRIDGE. (ADJUST, IF REQ'D, TO MATCH EXISTING.)
2. FOR SUMMARY OF QUANTITIES & GENERAL NOTES, SEE SHT. B-22.
3. FOR UTILITIES, SEE SHT. B-5.

TEMPORARY WEST SPAN GRADE DATA

TEMPORARY EAST SPAN GRADE DATA

LEGEND
⊕ BORING
○ UTILITY POLE (EXISTING).
⊗ TRAFFIC SIGNAL (EXISTING).
⊸⊗ TRAFFIC SIGNAL ON UTILITY POLE (EXISTING).
⊠ OVERHEAD TRAFFIC SIGNAL (EXISTING).
▨ REQUIRED ASPHALTIC PAVEMENT.



BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

PLAN & ELEVATION-TEMPORARY

PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41) 256

SCALE 1"=15' U.N. | DATE AUG., 1979
CONSULTANT | HIGHWAY DIVISION
DESIGNED LMC | CHECKED WHL | REVIEWED
DRAWN SJW | REVIEWED FRP | APPROVED

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

BRIDGE SHEET B-6 OF 44

DATE BY REVISIONS

TELLOYNE POST NS6871

STATE AID PROJ. NO.	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 CT. 2		75	177

SOUTHBOUND EXIT RAMP
REQUIRED RET. WALL "10-3" STEP 7
LIMITS OF CONSTRUCTION (TYP.)
LIMITS OF ROADWAY EXCAV. UNCLASS.
1'-6" TYP.
REQ'D EXCAV. BRACING, STEPS 4 & 11
BACKFILL ABUT. & RET. WALL, STEP 10
REQUIRED ABUTMENT STEP 7
6" ϕ PERFORATED UNDERDRAIN PIPE
EXIST. CURB & GUTTER TO REMAIN
BEGIN PERMANENT BRIDGE STA. 18+93.75 & RELOCATED TENTH ST. & B.F.P.R.
REQ'D. TEMP. APPROACH PAVM'T. STEP 12
REQ'D EXCAV. BRACING STEP 5.
MODIFY EXIST. ABUT. STEP 8
EXCAVATE - STEP 5
EXIST. 8"
& RELOCATED TENTH ST.
RELOC. EXCAV. BRACING AS REQ'D. PHASE I, STEP 14.
EXIST. 18" ST. & SAN.
REQUIRED EXCAVATION BRACING PHASE I, STEP 5 & PHASE II, STEP 6.
REQUIRED ABUTMENT STEP 7
MODIFY EXIST. ABUTMENT - STEP 6
MODIFY EXIST. ABUTMENT STEP 6
REQ'D EXCAV. BRACING STEPS 5 & 14.
EXCAVATE - STEP 6
REQ'D. APPR. PAVEMENT STEP 15
PHASE I
PHASE II
REQ'D EXCAV. BRACING STEP 6
REQUIRED ABUT. STEP 7
REQ'D. APPROACH PAVM'T. STEP 15
RELOCATED REQ'D EXCAV. BRACING TO PROTECT NEW WATER MAIN - STEPS 9 & 14
BACKFILL ABUT. & RET. WALL, STEP 13
EXIST. CURB & GUTTER TO REMAIN
REQUIRED RET. WALL "10-1" STEP 12
REQ'D EXCAV. BRACING TO PROTECT EXIST. 36" WATER MAIN STEPS 5 & 9
REQ'D TEMP SUMP & SUMP PUMP
EXCAVATE STEP 11
PORTION OF PERMANENT BRIDGE FOR SUPPORT OF REQ'D 36" REPLACEMENT WATER MAIN - STEPS 7 & 8
PORTION OF REQ'D CENTER PIER - STEP 7
LIMIT OF CONSTRUCTION (TYP.)
REQUIRED EXCAV BRACING STEPS 10 & 14.
EXIST. 36" MAIN DISMANTLE & REMOVE STEP 11
SOUTHBOUND ENTRANCE RAMP
℄ EXIST. I-75
REQ'D EXCAV. BRACING STEPS 4 & 11
STUB 1'-3 MIN. (TYP.)
6" ϕ PERFORATED UNDERDRAIN PIPE
REQUIRED RET. WALL "10-G-1" STEP 7
EXIST. 2"
WILLIAMS ST.
GAS BOX
BACKFILL ABUT. & RET. WALL STEP 10
END PERMANENT BRIDGE STA. 16+06.25 & RELOCATED 10TH ST. & B.F.P.R.
REQ'D. TEMP. APPROACH PAVM'T. STEP 12
GUY POLE
REQ'D EXCAV. BRACING PHASE I, STEP 6 & PHASE II, STEP 6
REQ'D. EXCAVATION BRACING, STEPS 5 & 14
RELOC. EXCAV. BRACING AS REQ'D. PHASE I, STEP 14.
EXIST. 8"
REQ'D. APPROACH PAVM'T. STEP 15
REQUIRED RET. WALL "10-G" STEP 12
REQ'D EXCAV. BRACING TO PROTECT EXIST. 36" WATER MAIN - STEPS 5 & 9
EXCAVATE STEP 11
REQ'D TEMP SUMP & SUMP PUMP
REQ'D EXCAV. BRACING - STEPS 10 & 14
BACKFILL ABUT. & RET. WALL, STEP 13
RELOCATED REQ'D EXCAV. BRACING TO PROTECT NEW WATER MAIN - STEPS 9 & 4.
LIMITS OF CONSTRUCTION (TYP.)
EXIST. 10"
LAN
N

NOTE: THE COST OF EXCAVATION BRACING FOR THIS BRIDGE SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

NOTES:
1. SEE UTILITY PLAN, SHEET B-5, FOR DISPOSITION OF UTILITIES.
2. FOR REQUIRED PERMANENT BRIDGE SUBSTRUCTURE DET., SEE SHEETS B-32 THRU B-41.

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

FOUNDATION PLAN - TEMP. SPANS

PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41) 256

SCALE 1" = 5' | DATE AUG. 1979

CONSULTANT | HIGHWAY DIVISION

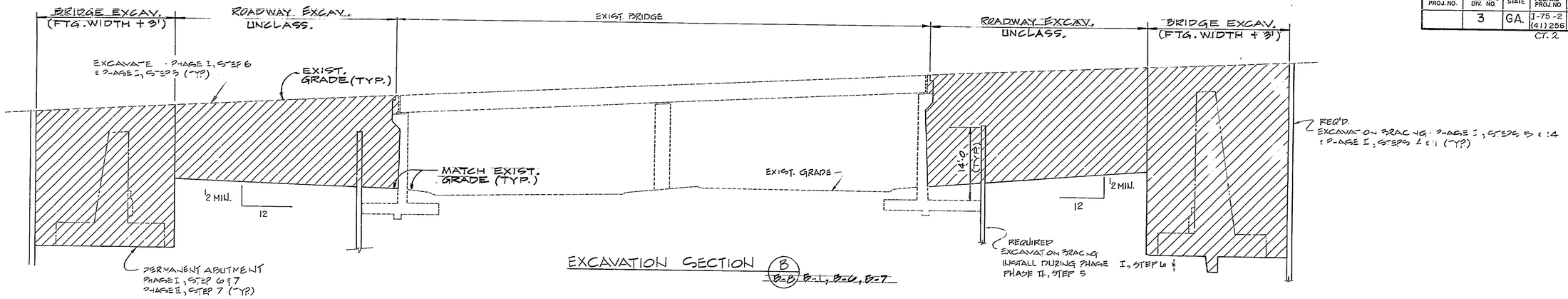
DESIGNED P.E. | CHECKED W.H.L. | REVIEWED _____

DRAWN N.J. & W.D. | REVIEWED F.R.P. | APPROVED _____

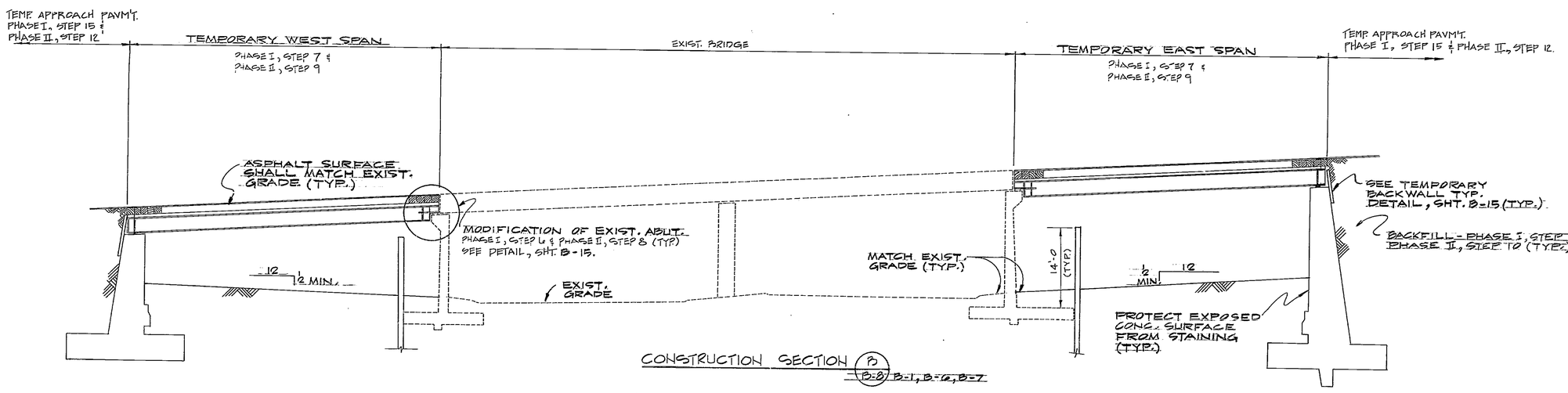
DATE | REVISIONS | BY

BRIDGE SHEET B-7 OF 44

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		76	77



EXCAVATION SECTION (B) B-B B-1, B-6, B-7



CONSTRUCTION SECTION (D) B-D B-1, B-6, B-7

LEGEND

INDICATES EXCAVATION. SEE SECTION FOR CLASSIFICATION.

BRIDGE SHEET B-8 OF 44

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

LONGITUDINAL SECTIONS - TEMP. SPANS

PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE: 1:10 DATE AUG., 1979

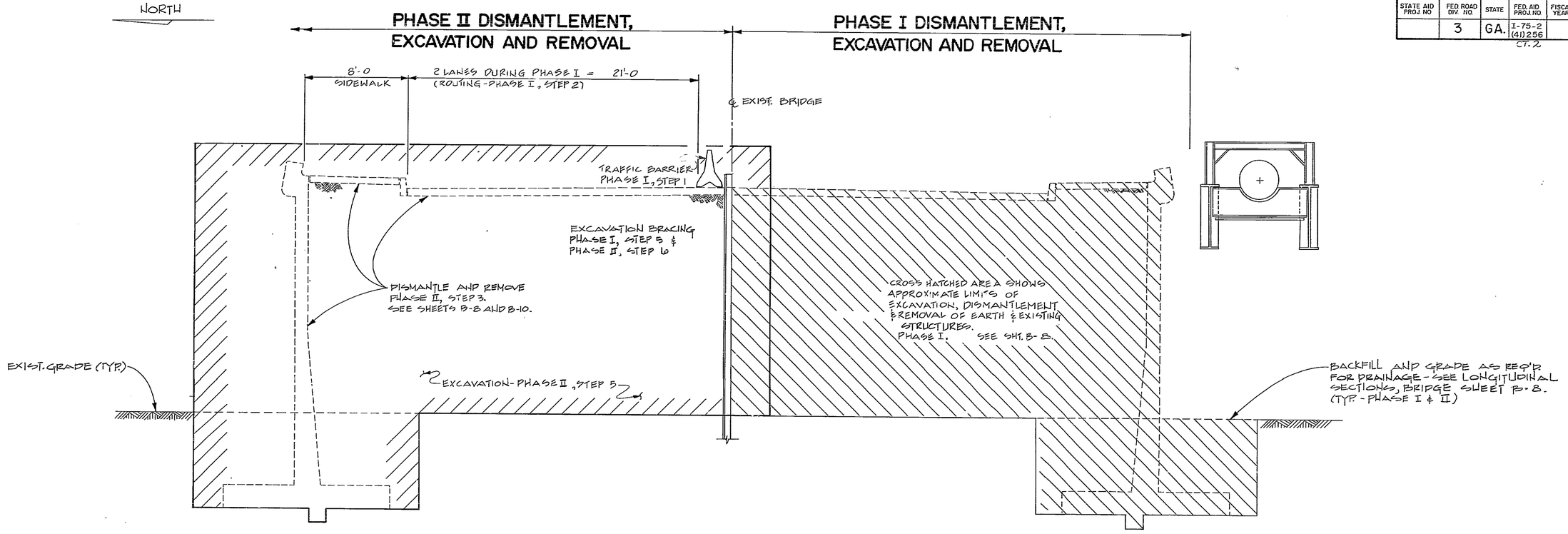
DATE	BY	REVISIONS

CONSULTANT: DESIGNED L.M^c. DRAWN W.J.D. CHECKED W.H.L. REVIEWED F.R.P.

HIGHWAY DIVISION: REVIEWED _____ APPROVED _____

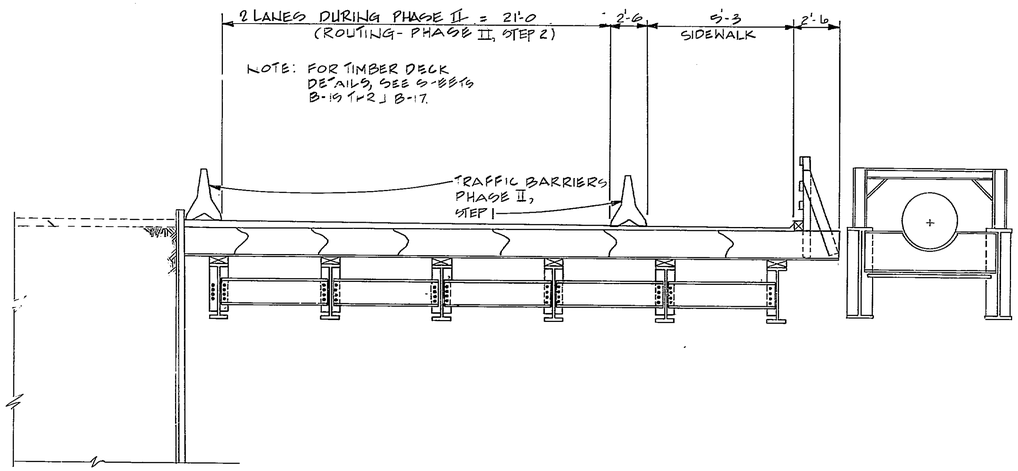
STATE AID PROJ NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		77	177

NORTH



DISMANTLEMENT SECTION (A / B9) B-1, B-7
SCALE: 1/4" = 1'-0"

NORTH



TEMPORARY CONSTRUCTION SECTION (A / B9) B-1, B-7
SCALE: 1/4" = 1'-0"

GEORGIA REG. STEREN No. 6765 PROFESSIONAL ENGINEER HANNS ROBERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

TRANSVERSE SECTIONS-TEMP SPANS

PHASES I&II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE: 1/4"=1'-0" DATE: AUG., 1979

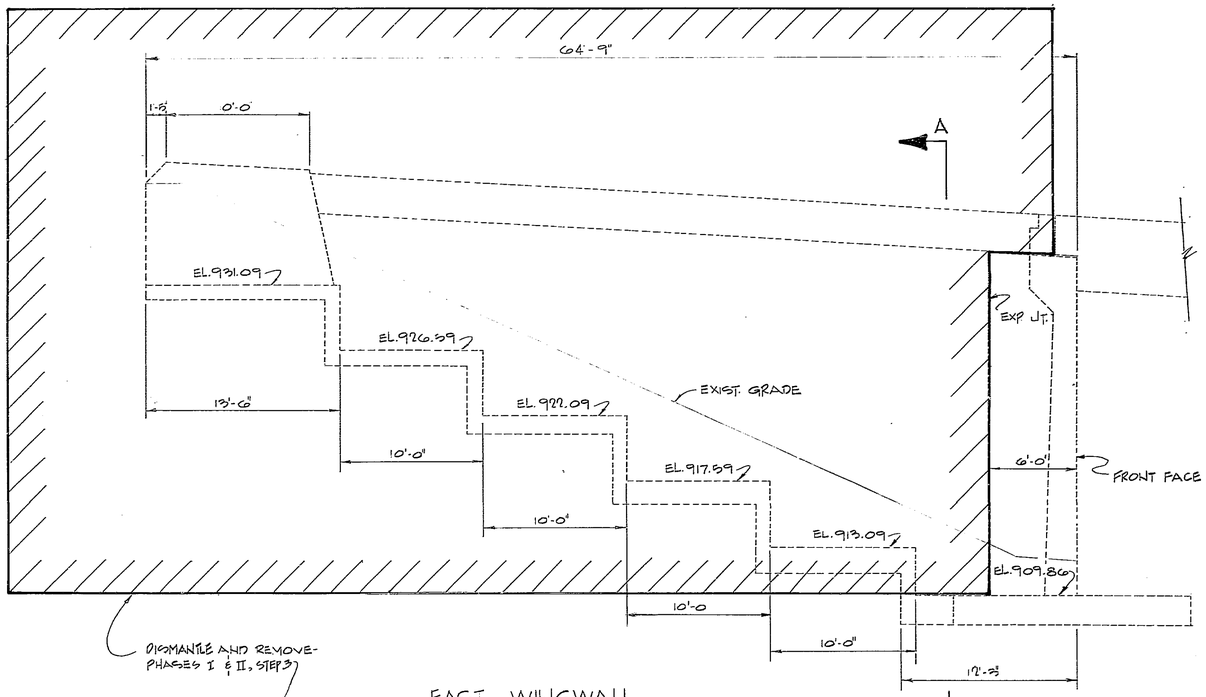
CONSULTANT HIGHWAY DIVISION

DESIGNED L.M.C. CHECKED W.H.L. REVIEWED
DRAWN J.W.D. REVIEWED F.R.P. APPROVED

DATE / REVISIONS / BY

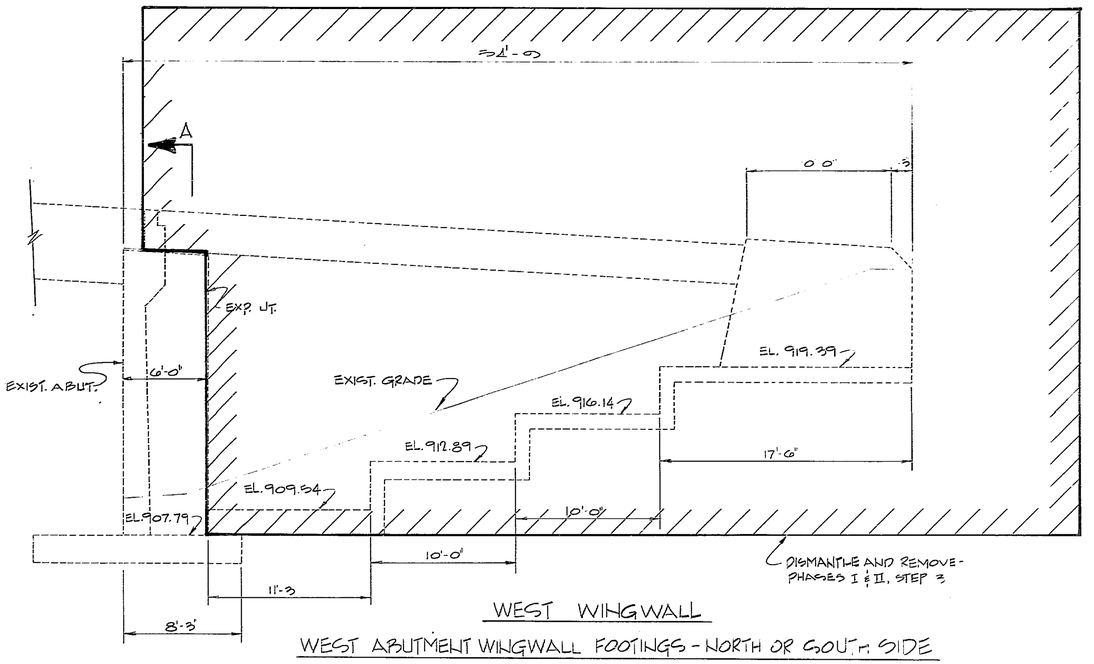
BRIDGE SHEET B-9 OF 44

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		78	177



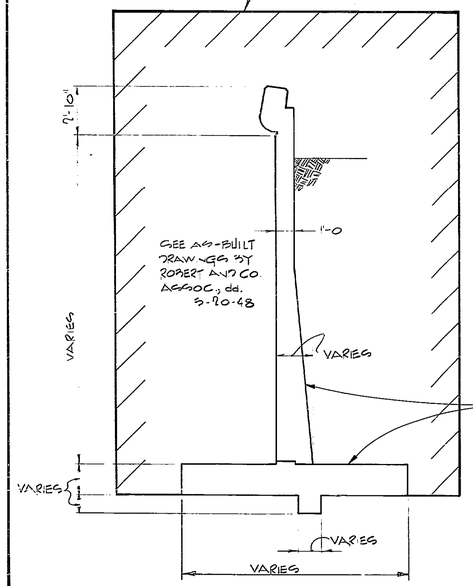
EAST. WINGWALL

EAST ABUTMENT WINGWALL FOOTINGS - NORTH OR SOUTH SIDE OF EXISTING BRIDGE



WEST WINGWALL

WEST ABUTMENT WINGWALL FOOTINGS - NORTH OR SOUTH SIDE OF EXISTING BRIDGE



SECTION A-A

1/4"=1'-0

(SECTION A-A SIMILAR FOR OTHER PORTIONS OF WINGWALL)

VIEW (C) (B-10) WINGWALLS B-1

EXISTING TENTH STREET BRIDGE

SCALE: 1" = 5'

NOTE: FIELD-VERIFY DIMENSIONS AND ELEVATIONS SHOWN.

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION BRIDGE DESIGN

EXISTING ABUTMENT WINGWALLS

PHASES I & II

TENTH STREET BRIDGE OVER I-75

STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED P.Z. CHECKED W.H.L. REVIEWED _____

DRAWN D.S. REVIEWED F.R.P. APPROVED _____

DATE / BY / REVISIONS

BRIDGE SHEET B-10 OF 44.

STATE AID PROJ NO	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		79	177

CT. 2

PHASE III DISMANTLEMENT AND REMOVAL

PHASE V DISMANTLEMENT AND REMOVAL

NORTH

℄ EXIST. BRIDGE

21'-0

2 LANES DURING PHASES III & IV (ROUTING - PHASE III STEP 2)

TRAFFIC BARRIER PHASE III, STEP 1

T/FTG @ W. ABUT. ELEV. 907.79
T/FTG @ E. ABUT. ELEV. 909.86
} (FIELD-VERIFY)

DISMANTLE & REMOVE - PHASE III, STEPS 4 & 5.

ELEVATION @ EXISTING TENTH STREET ABUTMENTS

SECTION G B-11 / B-1

℄ EXISTING BRIDGE

G B-11

G B-11

℄ EXIST. I-75

PHASE (III) - DISMANTLEMENT AND REMOVAL OF NORTH PORTIONS OF EXISTING BRIDGE AND TEMPORARY SPANS.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

EXISTING BRIDGE ABUTMENTS

PHASES III & V
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: 1/4" = 1'-0 DATE: AUG., 1979

CONSULTANT

DESIGNED P.Z. CHECKED W.H.I.
DRAWN D.S. REVIEWED F.R.P.

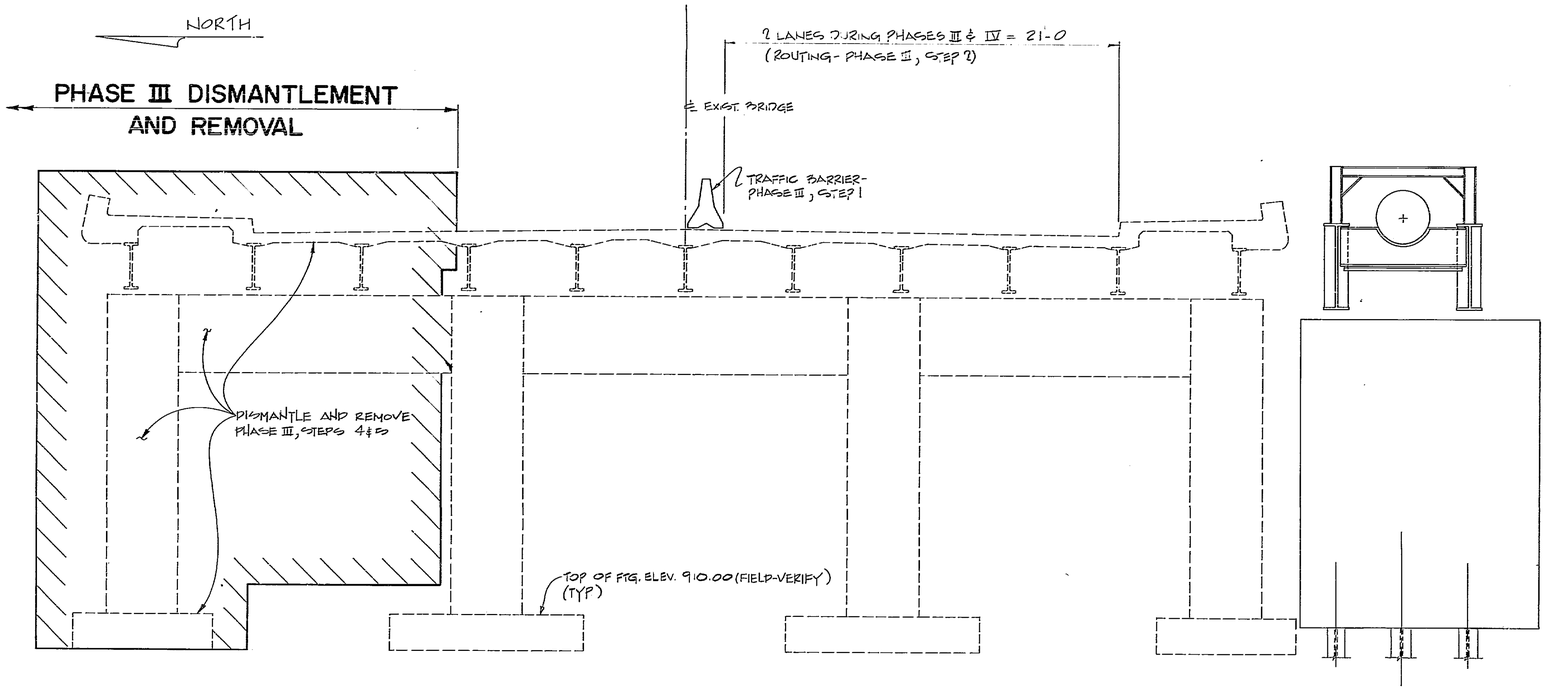
HIGHWAY DIVISION

REVIEWED
APPROVED

DATE / REVISIONS / BY

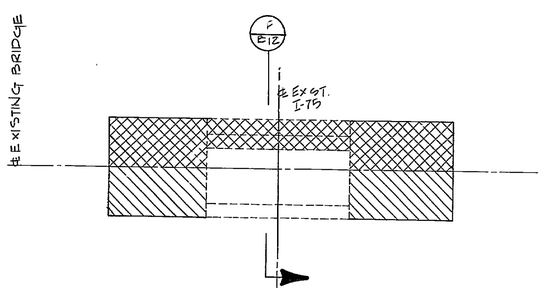
BRIDGE SHEET B-11 OF 44

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		80	177



ELEVATION AT EXISTING TENTH STREET PIER

SECTION (F / B12) B-1



PHASE (III) - DISMANTLEMENT AND REMOVAL OF NORTH PORTIONS OF EXISTING BRIDGE AND TEMPORARY SPANS.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

EXISTING BRIDGE PIER
PHASE III
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE: 1/4" = 1'-0" DATE: AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED P.Z. CHECKED W.H.L. REVIEWED
DRAWN D.S. REVIEWED F.R.P. APPROVED

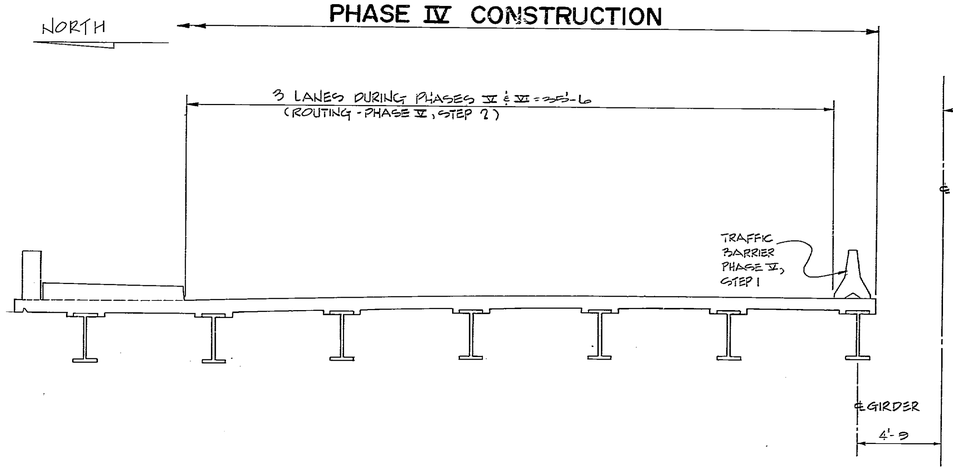
DATE / REVISIONS / BY

BRIDGE SHEET B-12 OF 44

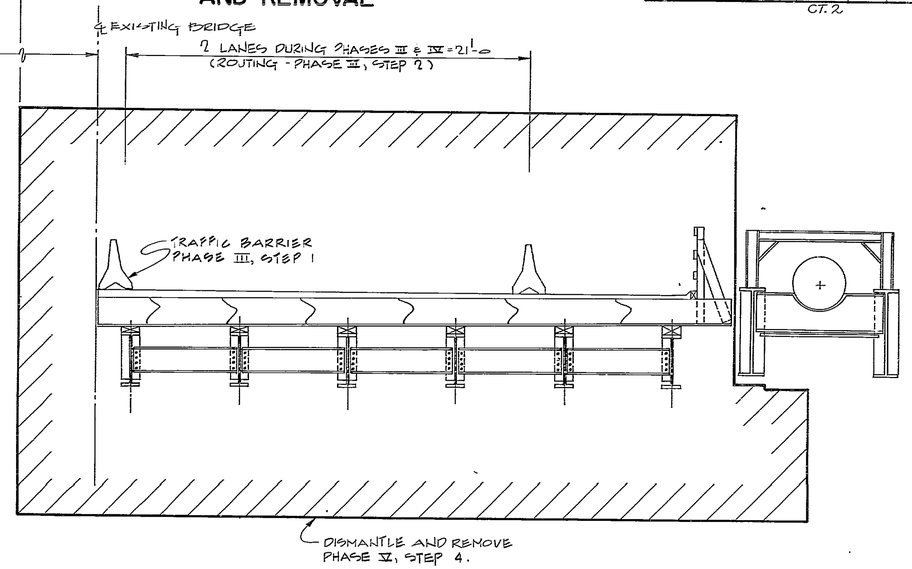
STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		81	177

CT. 2

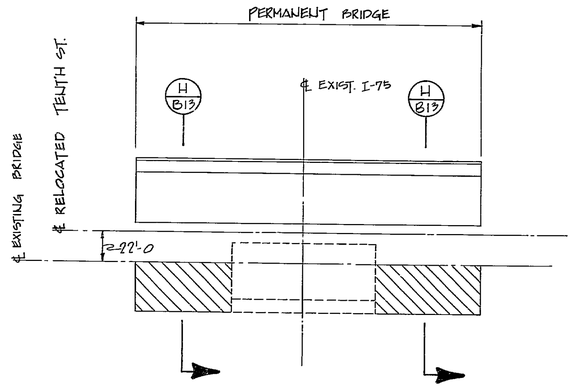
PHASE IV CONSTRUCTION



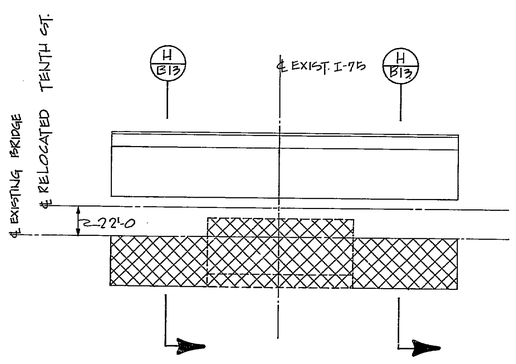
PHASE V DISMANTLEMENT AND REMOVAL



SECTION H
SCALE: 1/4" = 1'-0"
B-13 B-2



PHASE (IV) CONSTRUCTION OF NORTH PORTION OF PERMANENT BRIDGE.



PHASE (V) - DISMANTLEMENT AND REMOVAL OF SOUTH PORTIONS OF EXISTING BRIDGE AND TEMPORARY SPANS.

BRIDGE SHEET B-13 OF 44

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

REVISIONS | DATE | BY

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

DECK SECTION - TEMPORARY
PHASES IV & V
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE: 1/4" = 1'-0" DATE: AUG., 1979

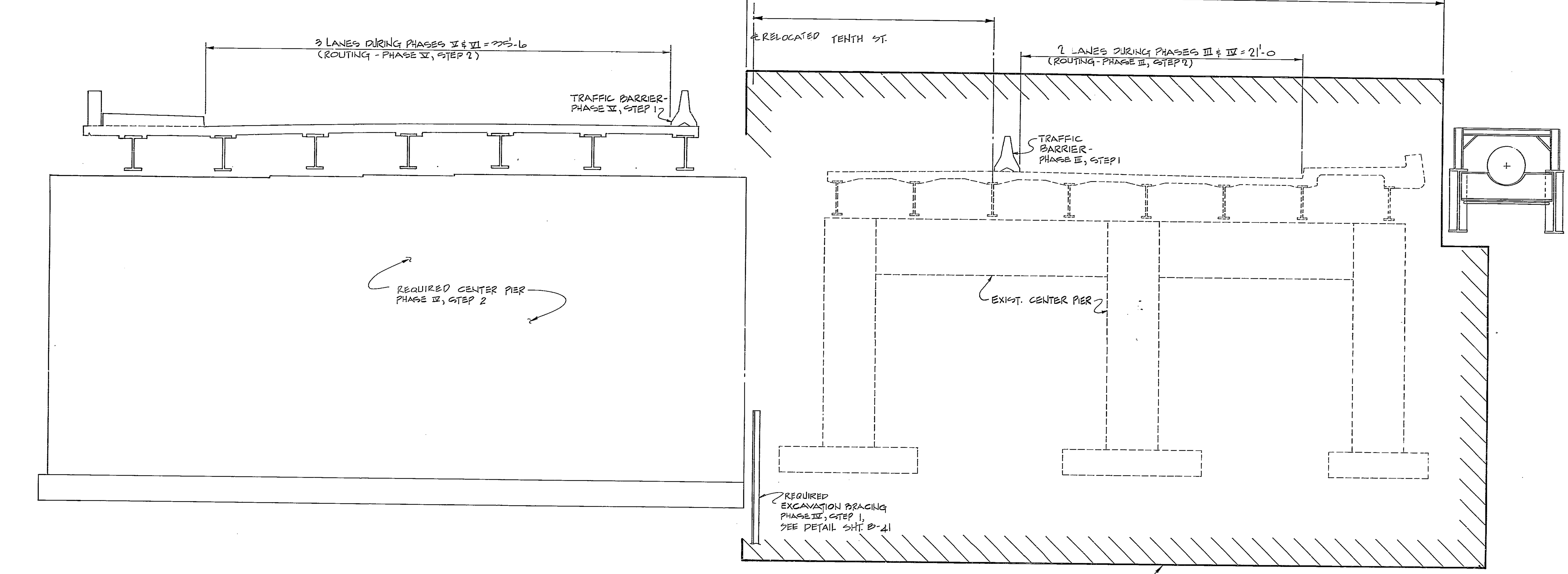
CONSULTANT
DESIGNED L.M.C CHECKED W.H.L.
DRAWN J.W.D. & N.J. REVIEWED E.R.D

HIGHWAY DIVISION
REVIEWED
APPROVED

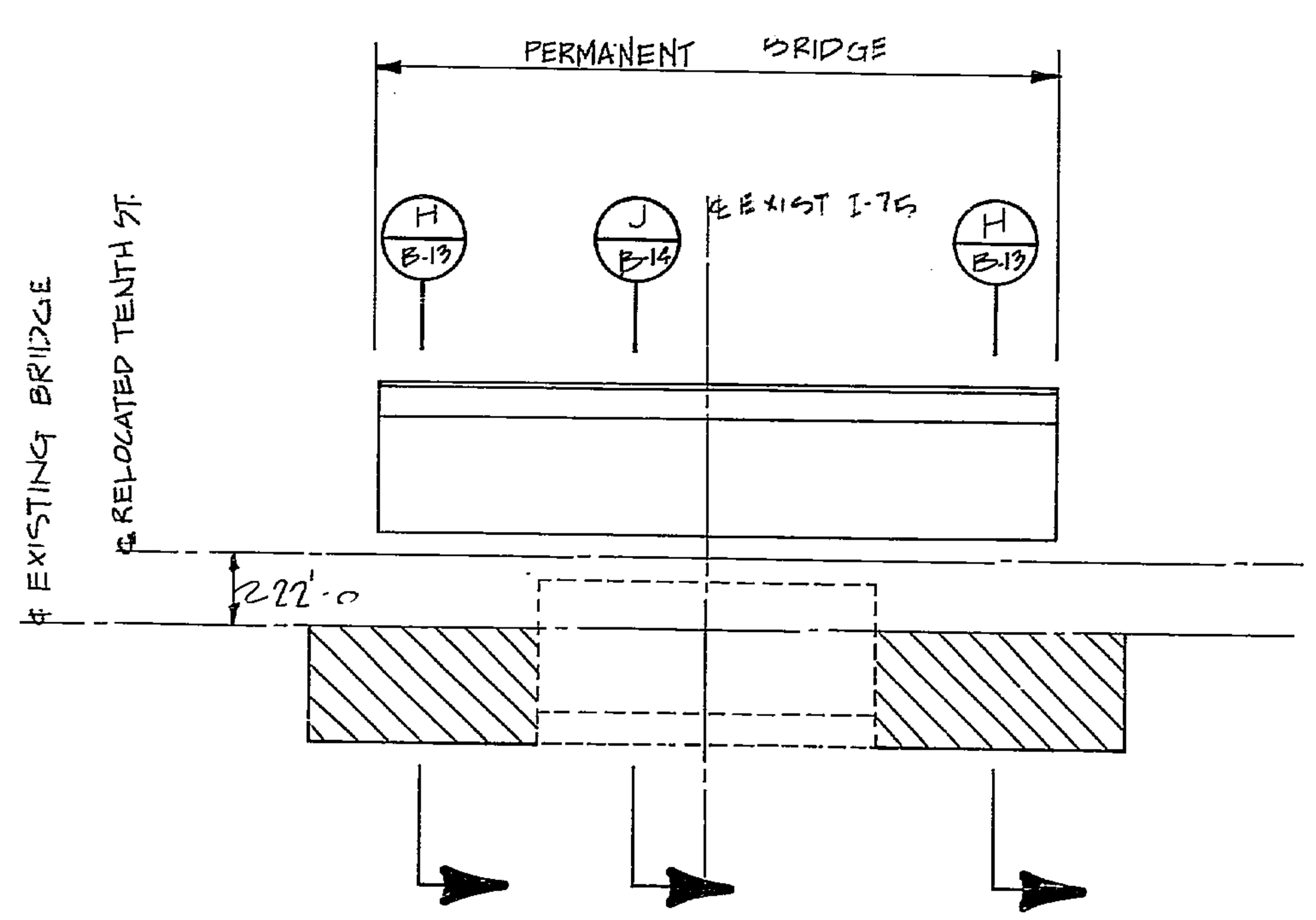
STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		82	177

PHASE IV CONSTRUCTION

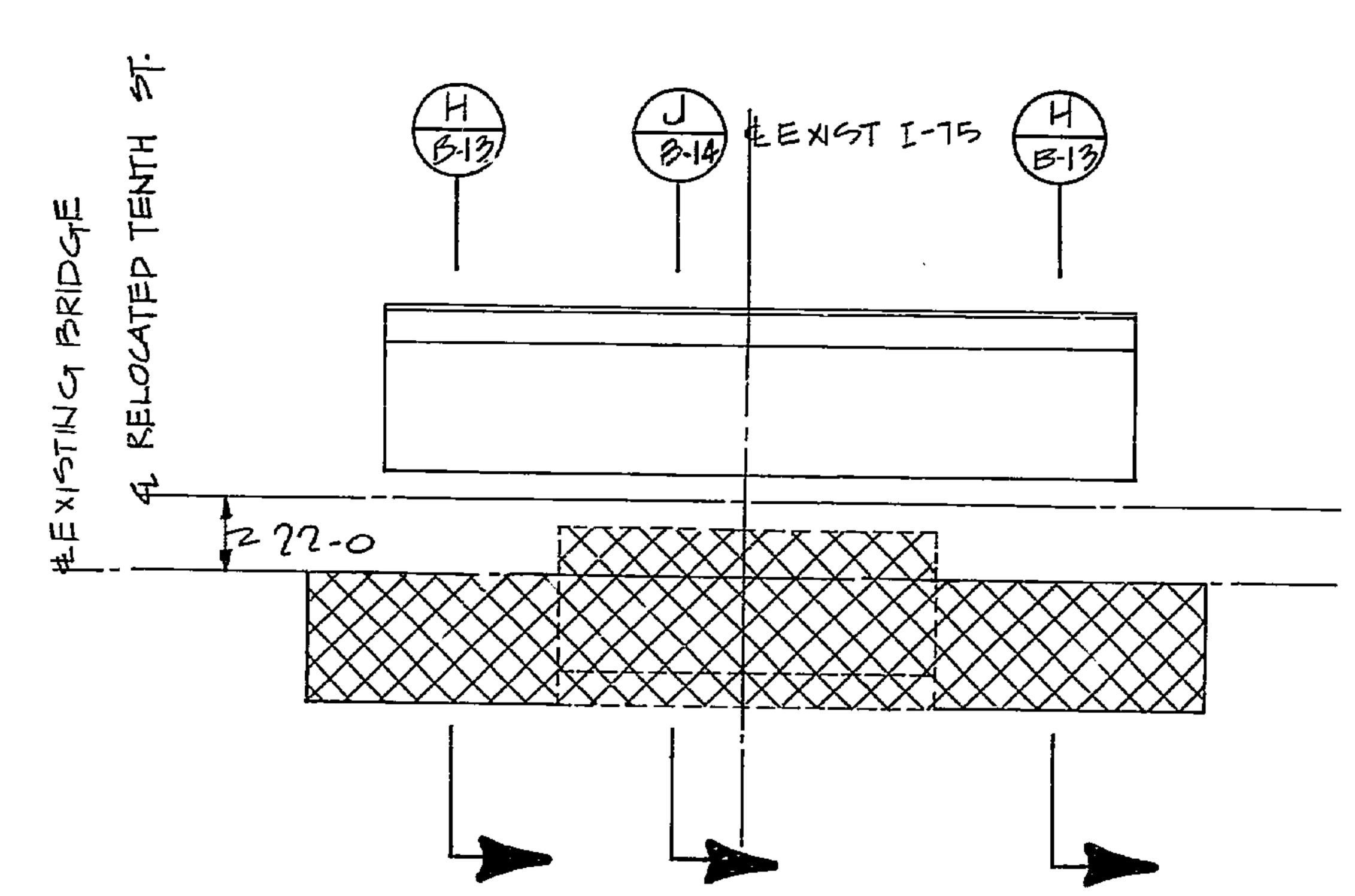
PHASE V DISMANTLEMENT AND REMOVAL



SECTION J (B-14) B-2



PHASE (IV) - CONSTRUCTION OF NORTH PORTION OF PERMANENT BRIDGE.



PHASE (V) - DISMANTLEMENT AND REMOVAL OF SOUTH PORTIONS OF EXISTING BRIDGE AND TEMPORARY SPANS.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

DATE | REVISIONS | BY

DECK SECTION AT PIER-TEMPORARY

PHASES IV & V
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: 1/4" = 1'-0 | DATE: AUG., 1979

CONSULTANT | HIGHWAY DIVISION

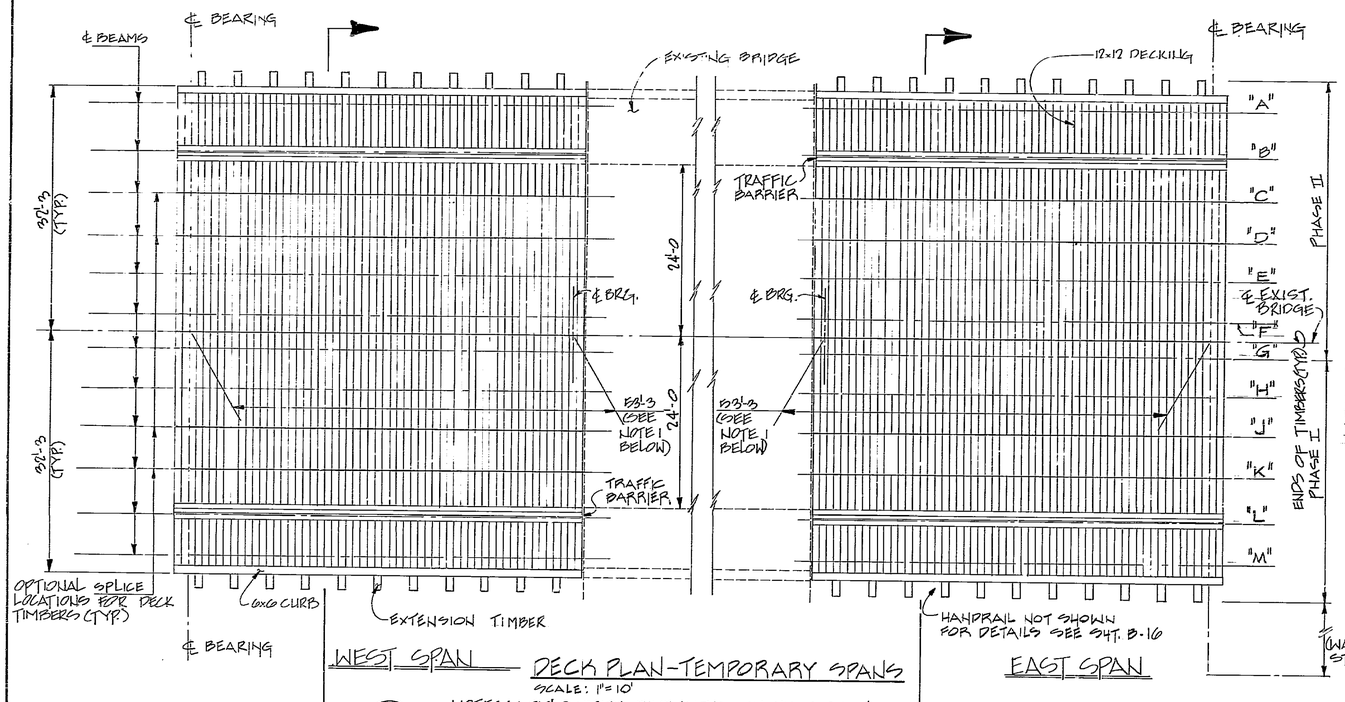
DESIGNED L.M.C. | CHECKED W.H.L. | REVIEWED

DRAWN D.S. & J.W.D. | REVIEWED F.R.P. | APPROVED

BRIDGE SHEET
B-14 OF 44

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)-256		83	177

CT. 2



WEST SPAN

EAST SPAN

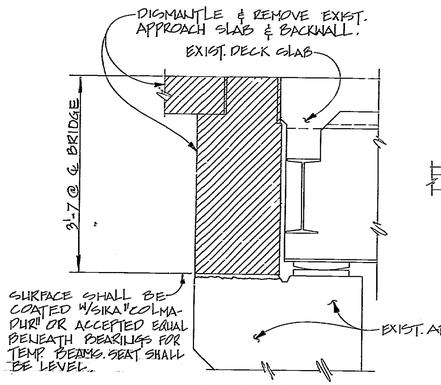
DECK PLAN-TEMPORARY SPANS

SCALE: 1"=10'

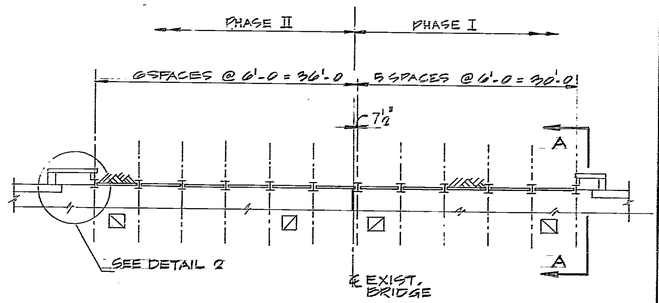
NOTES:
1. FIELD-VERIFY DIMENSIONS SHOWN FROM ℄ BRG. ALONG ℄ BRIDGE.
2. TIMBER SHALL BE TREATED.
3. FLARE DECKING AT ENDS TO MEET SKEW ANGLE BY VARYING GAPS FROM 1/4" TO 1" MAX.
4. 12x12 DECKING SHALL NOT BE SPLICED AT BEAMS "A", "B", "E", "F", "G", "H", "L", & "M".
5. ELECTRODES FOR WELDING A-588 STEEL SHALL BE E 80XX LOW HYDROGEN.
6. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
7. FOR WELDING NOTES, SEE SHEET B-27.

E B-16

E B-16

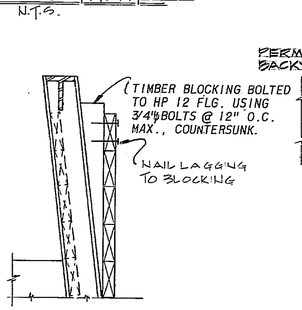


MODIFICATION OF EXISTING ABUTMENTS
N.T.S.

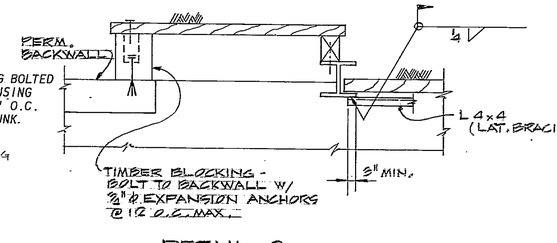


PLAN-BACKWALL SOLDIER BM. SPACING
1"=10' (EAST ABUT. SHOWN, WEST ABUT. OPP. HAND)

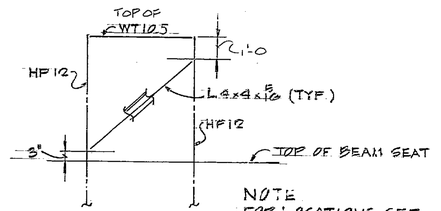
☑ INDICATES BAYS WITH LATERAL BRACING AND THE DIRECTION OF THE BRACE.



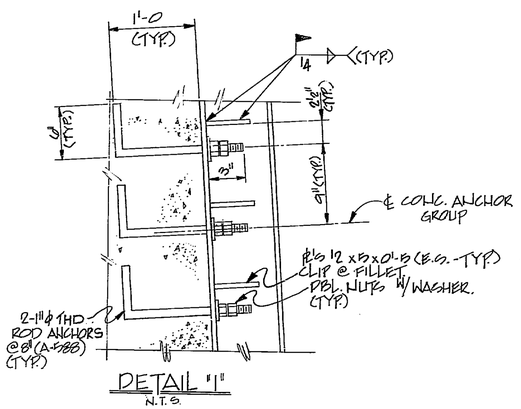
SECTION A-A
1/2"=1'-0"



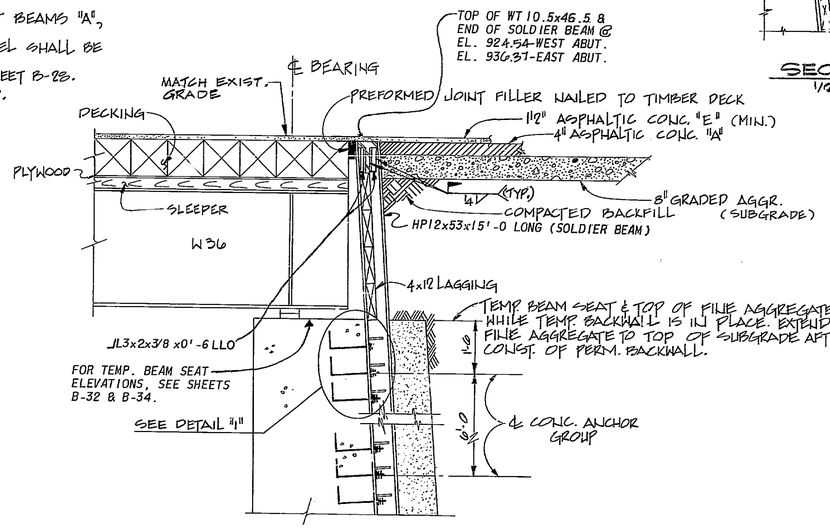
DETAIL 2
1/2"=1'-0"



ELEVATION
LATERAL BRACING DETAIL
N.T.S.



DETAIL "I"
N.T.S.



TEMPORARY BACKWALL TYPICAL DETAIL
SCALE: 1/2"=1'-0

GEORGIA REGISTERED No. 4253 PROFESSIONAL Engineer ROBERT PRYBYLOWSKI

BRIDGE SHEET B-15 OF 44

BRIDGE NO. 3

APPROVED PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

DECK PLAN-TEMPORARY SPANS
PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE AS SHOWN DATE: AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED L.M.C. CHECKED J.R.F.
DRAWN A.M.O., J.W.D. REVIEWED F.R.P.
REVIEWED
APPROVED

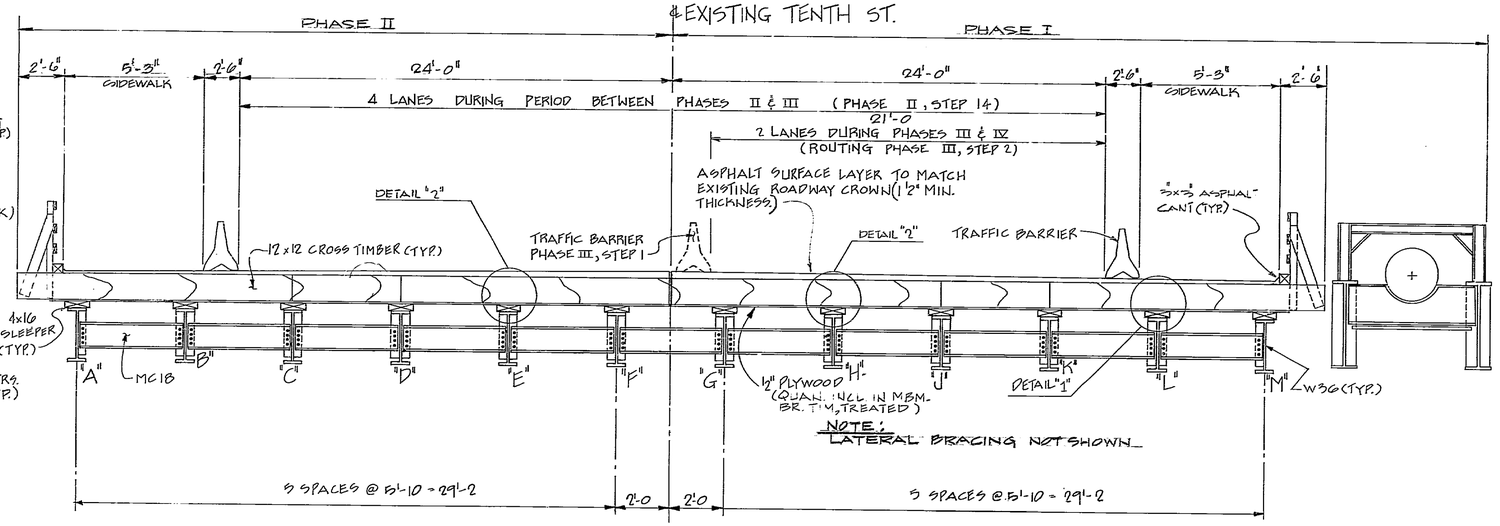
DATE BY REVISIONS

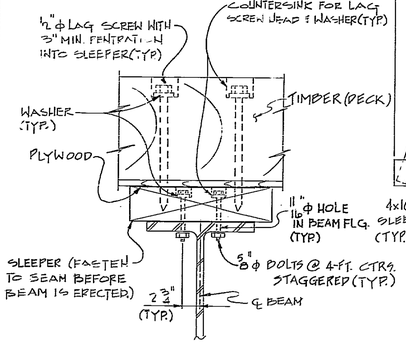
TELEDYNE POST N36891

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		84	177

CT. 2

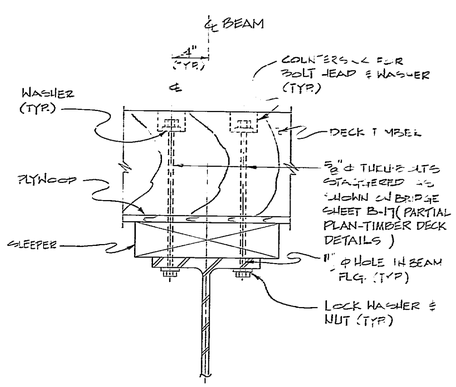
NORTH





DETAIL 1 (B-16)
SCALE: 1½" = 1'-0

(TYP. EXCEPT FOR BEAMS "E" & "H")



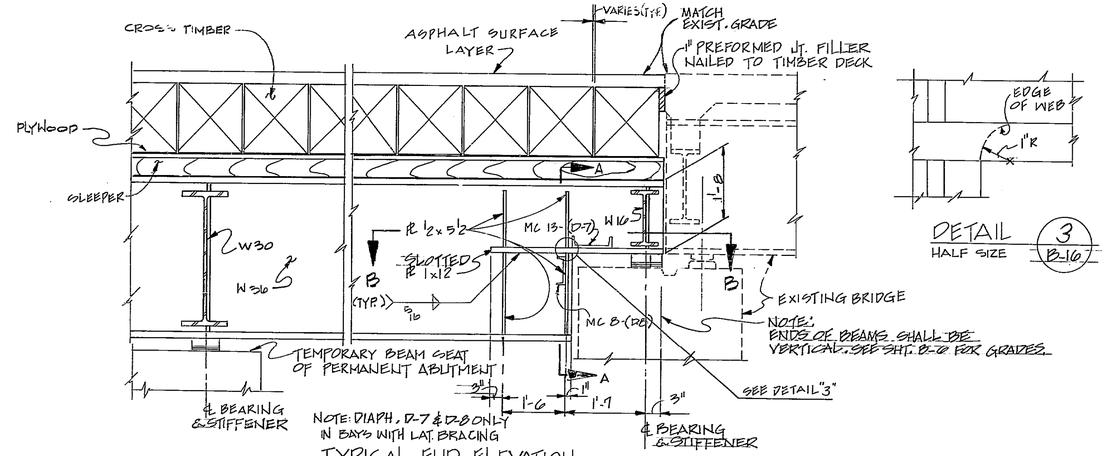
DETAIL 2 (B-16)
SCALE: 1½" = 1'-0

(BEAMS "E" & "H" ONLY)

TYPICAL DECK SECTION

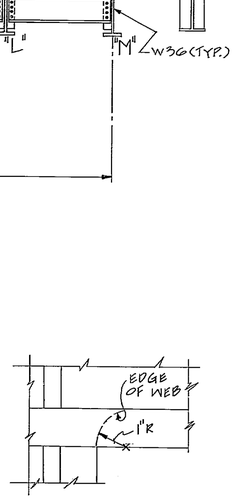
NO SCALE

E (B-16) B-1, B-6, B-15

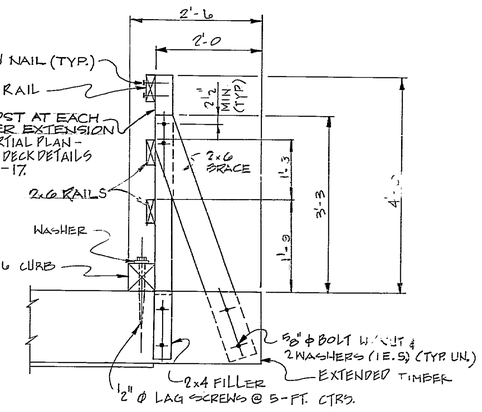


TYPICAL END ELEVATION

NO SCALE



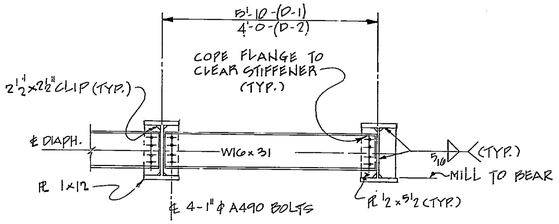
DETAIL 3 (B-16)
HALF SIZE



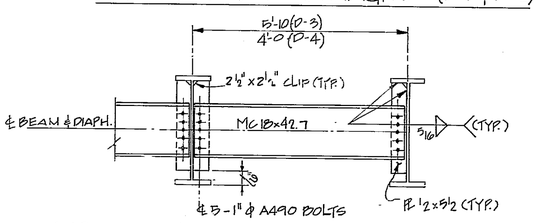
TYPICAL HANDRAIL DETAILS

SCALE: ¾" = 1'-0"

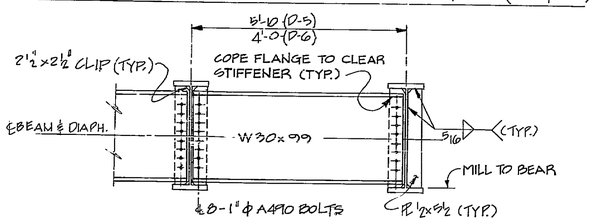
NOTES:
1. FOR ADDITIONAL TIMBER DECK DETAILS, SEE SHEETS B-15 & B-17.
2. TIMBER SIZES ARE NOMINAL.
3. GUSSET PLATES AND STIFFENERS SHALL BE PARALLEL TO DIAPHRAGMS.
4. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
5. FOR WELDING NOTES, SEE SHEET B-27.



TYPICAL END DIAPHRAGMS (D-1 & D-2)



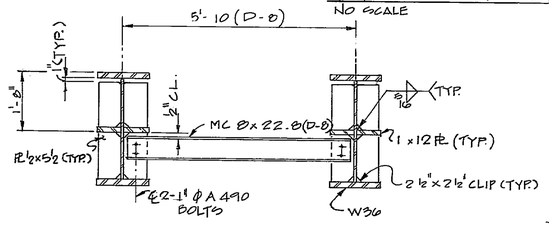
TYPICAL INTERMEDIATE DIAPHRAGMS (D-3 & D-4)



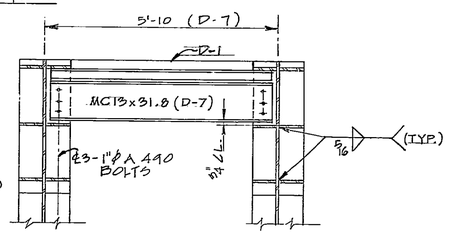
TYPICAL END DIAPHRAGMS (D-5 & D-6)

NO SCALE

NOTE: FOR DIAPHRAGM LOCATIONS SEE FRAMING PLAN, SHEET B-17.



SECTION A-A



SECTION B-B

DIAPHRAGMS (D-7 & D-8)

N.T.S.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

TYPICAL DECK SECTION - TEMP. SPANS
PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE AS SHOWN | DATE: AUG., 1975

CONSULTANT | HIGHWAY DIVISION

DESIGNED L.M. | CHECKED W.H.L. | REVIEWED | APPROVED

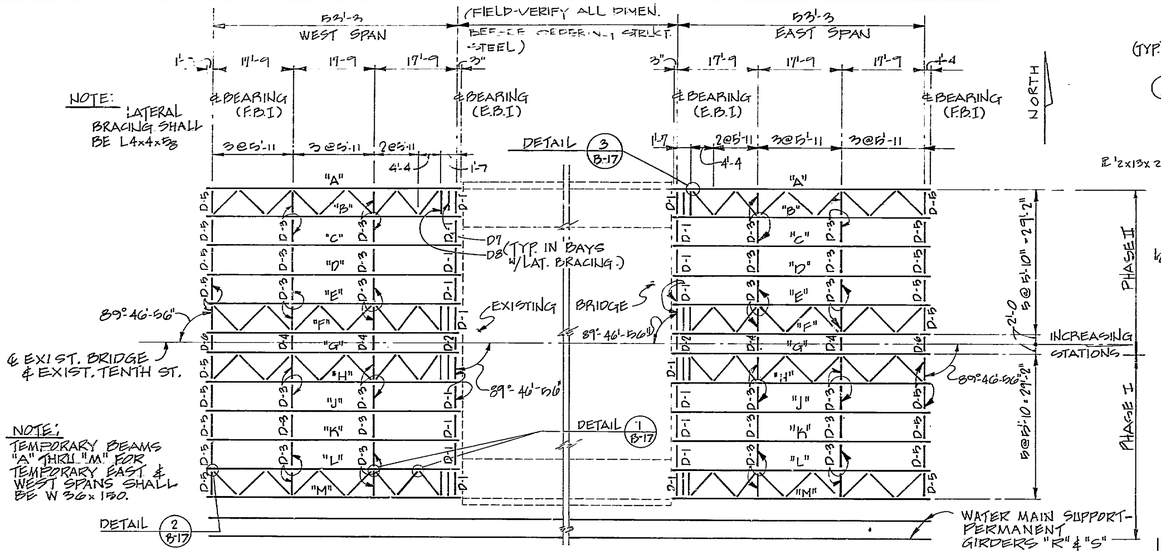
DRAWN N.J. | REVIEWED P.R.P.

DATE / REVISIONS / BY

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

BRIDGE SHEET B-16 OF 44

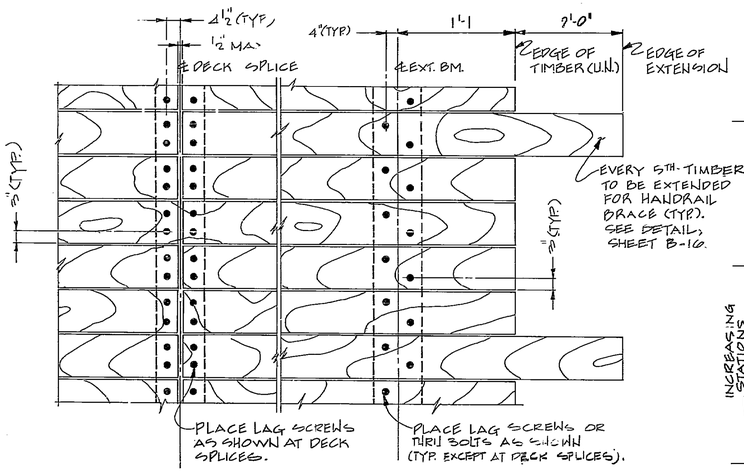
STATE AID PROJ NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 C.T. 2		85	177



FRAMING PLAN - TEMPORARY SPANS
NO SCALE

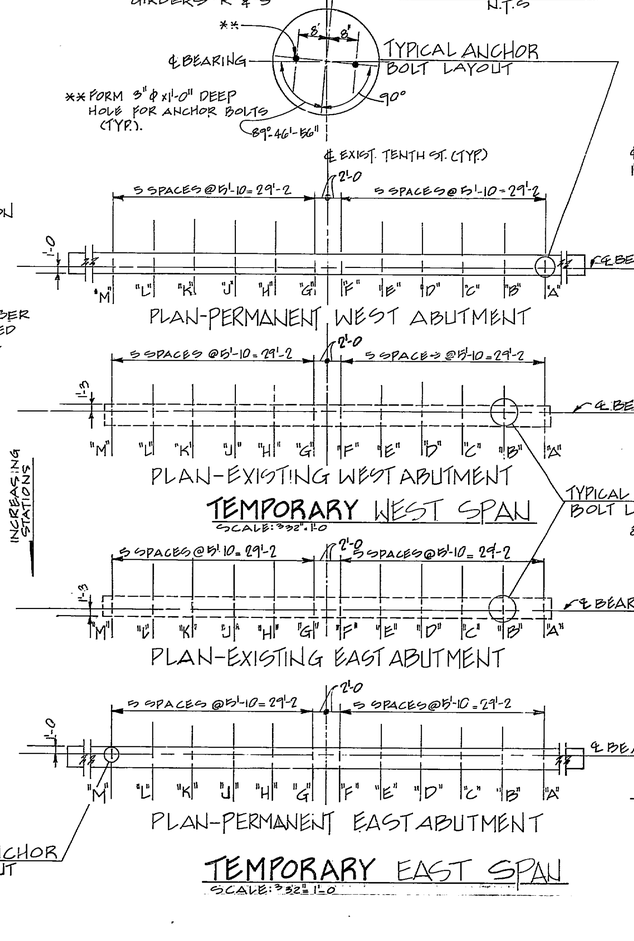
NOTES:

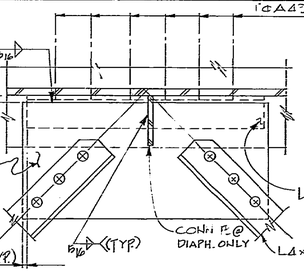
1. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
2. FOR WELDING NOTES, SEE SHEET B-27.

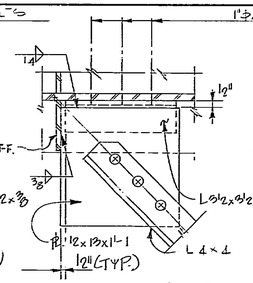


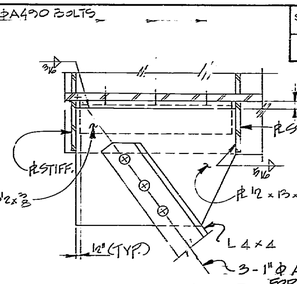
NOTE: FOR ADDITIONAL TIMBER DECK DETAILS, SEE SHEETS B-15 & B-16.

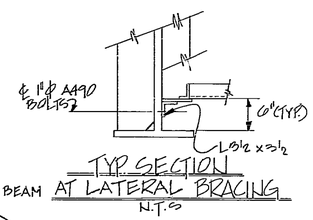
PARTIAL PLAN - TIMBER DECK DETAILS
SCALE: ½"=1'-0

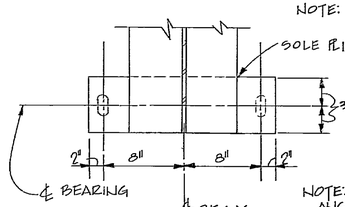




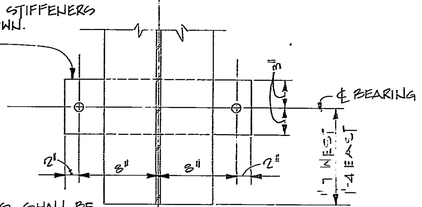




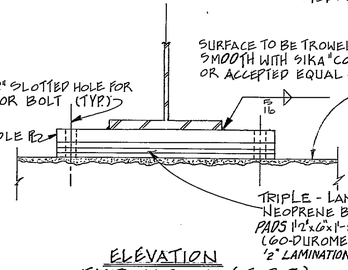


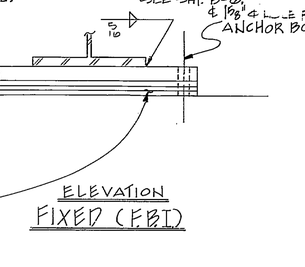


NOTE: ANCHOR BOLTS SHALL BE 1¼" ℄ x 1'-5" W/HEAVY HEX NUTS & 2½" ℄ x ¼" STEEL WASHERS & SHALL BE A36 STRUCTURAL STEEL. GROUT IN PLACE.

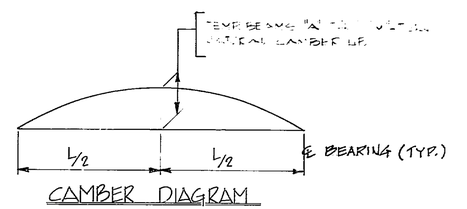


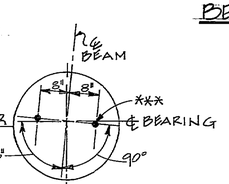
* THICKNESS AT ℄ BRG. SLOPE SOLE PL TO MATCH GRADE. SEE SHT. B-6.





BEARING ASSEMBLIES





BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

FRAMING PLAN & BEARINGS - TEMP. SPANS
PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2 (41)256

SCALE: AS SHOWN DATE: AUG. 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED L.M.C. CHECKED W.H.L. REVIEWED
DRAWN A.M.O. & N.C.J. REVIEWED F.R.P. APPROVED

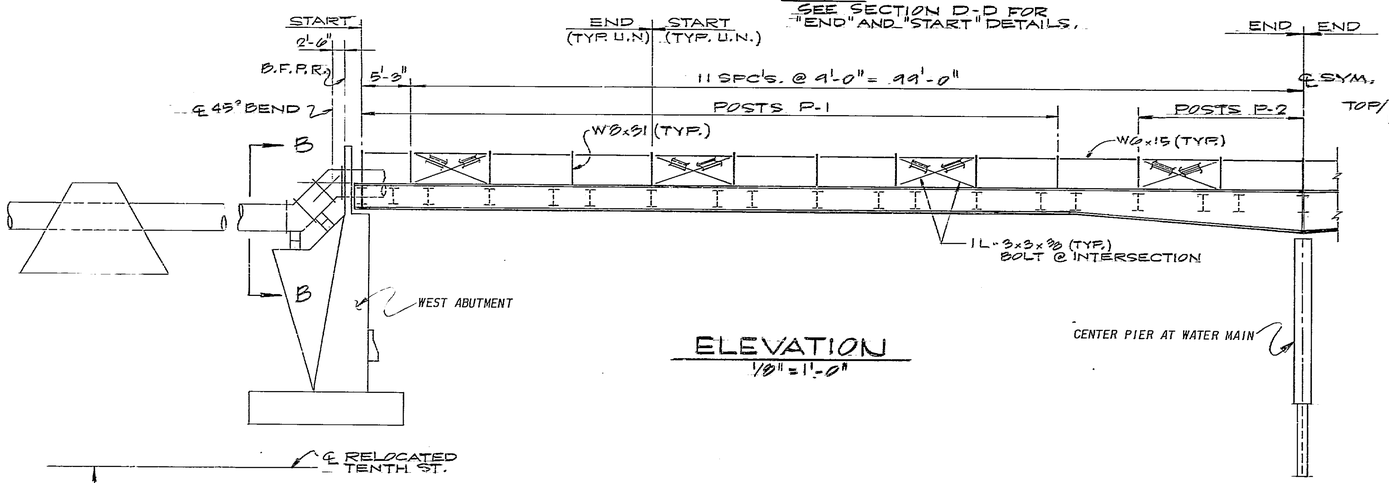
DATE / REVISIONS / BY

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI Expires 6-30-80

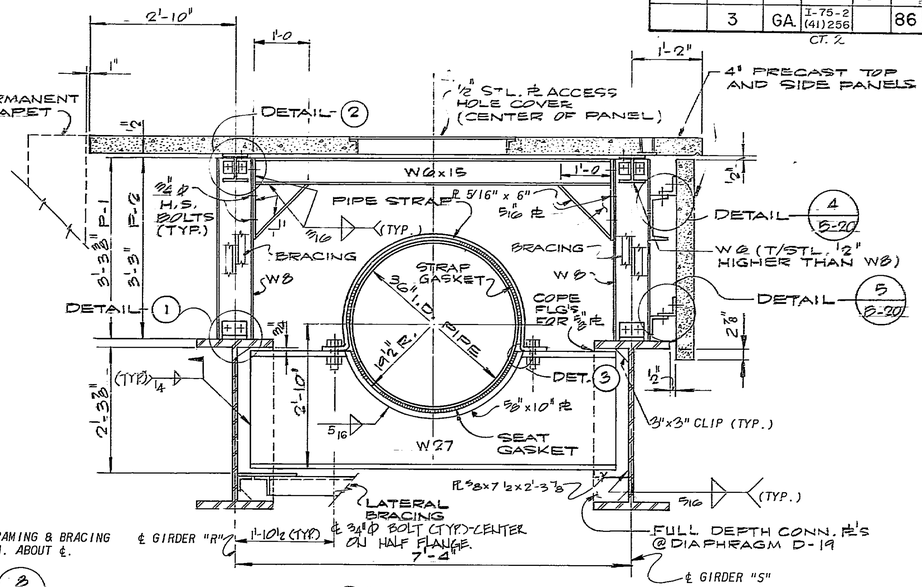
BRIDGE SHEET B-17 OF 44

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		86 CT. 2	177

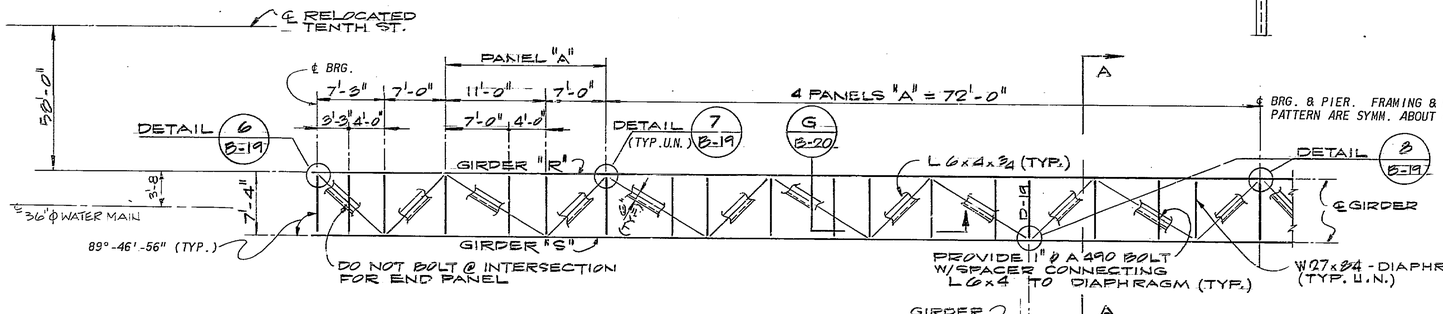
NOTE:
SEE SECTION D-D FOR "END" AND "START" DETAILS.



ELEVATION
1/8" = 1'-0"

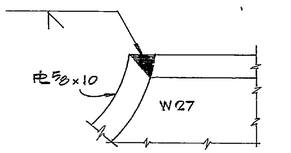


SECTION A-A
3/4" = 1'-0"

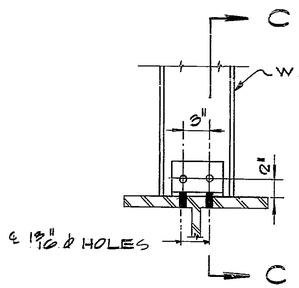


FRAMING PLAN
LATERAL BRACING
1/8" = 1'-0"

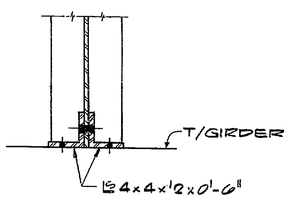
NOTES:
1. FOR STRUCTURAL STEEL NOTES & DEFLECTION DIAGRAMS, SEE SHEET B-28.
2. FOR WELDING NOTES & GIRDER DETAILS, SEE SHEET B-27.
3. GUSSET PL'S & STIFFENERS SHALL BE PARALLEL TO DIAPHRAGMS.
4. WATER MAIN SUPPORT FRAMING IS A PORTION OF THE PERMANENT BRIDGE. FOR FRAMING PLAN & DIAPHRAGM DETAILS (PERMANENT), SEE SHEET B-26.
5. BOLTS SHALL BE 3/4" DIA. A325 H.S., TYPE 3, U.N.



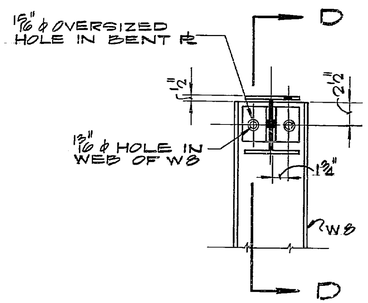
DETAIL "3"
N.T.S.



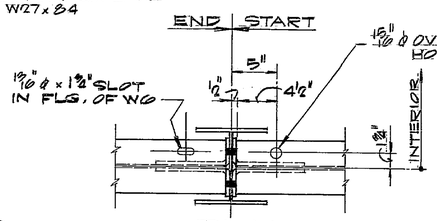
DETAIL "1"
1 1/2" = 1'-0"



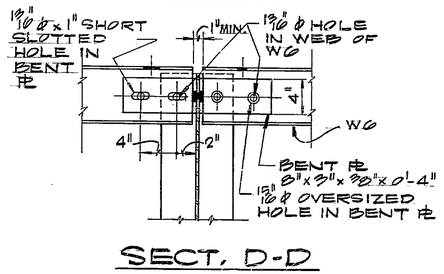
SECT. C-C



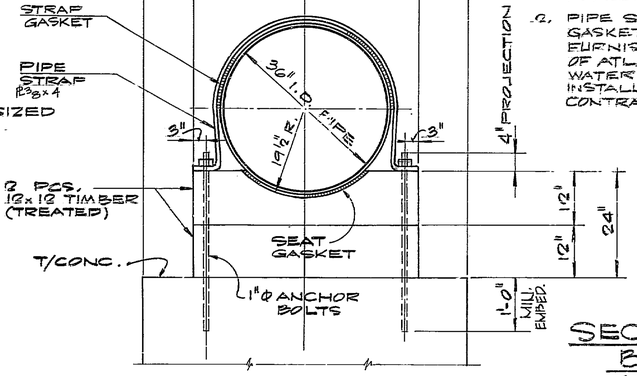
DETAIL "2"
1 1/2" = 1'-0"



PLAN



SECT. D-D



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

NOTES:
1. PRECAST PANELS SHALL BE FURNISHED AND INSTALLED DURING PHASE VI, ALL OTHER WORK SHALL BE ACCOMPLISHED DURING PHASE I.
2. PIPE STRAPS AND GASKETS WILL BE FURNISHED BY THE CITY OF ATLANTA BUREAU OF WATER AND SHALL BE INSTALLED BY THE CONTRACTOR.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

WATER MAIN SUPPORT FRAMING
PHASES I & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN
DATE: AUG., 1979
CONSULTANT
HIGHWAY DIVISION
DESIGNED L.M.C
DRAWN W.J.D
CHECKED M.B.C.
REVIEWED F.R.P.
REVIEWED
APPROVED

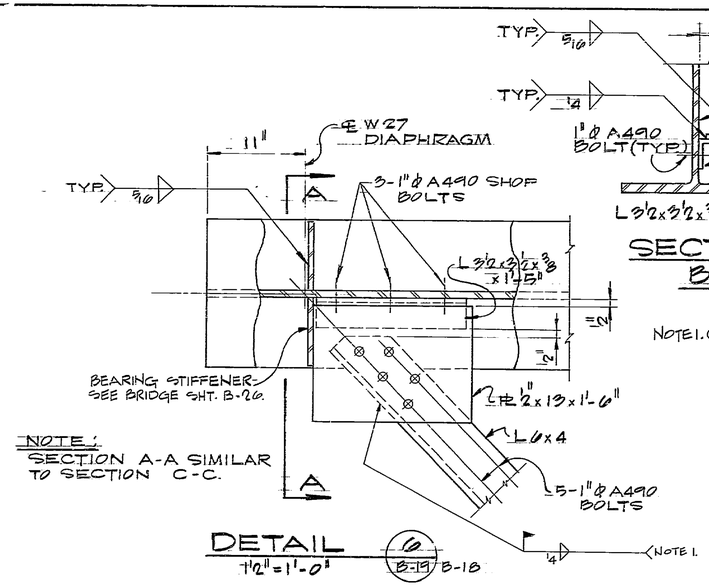
DATE 5-2-80
REVISIONS
BY

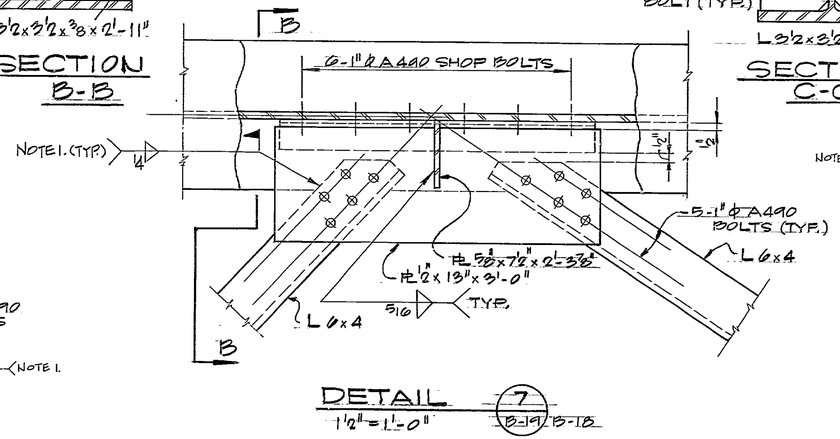
REGISTERED No. 4252 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI GEORGIA

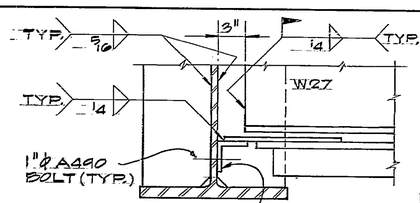
BRIDGE SHEET B-18 OF 44

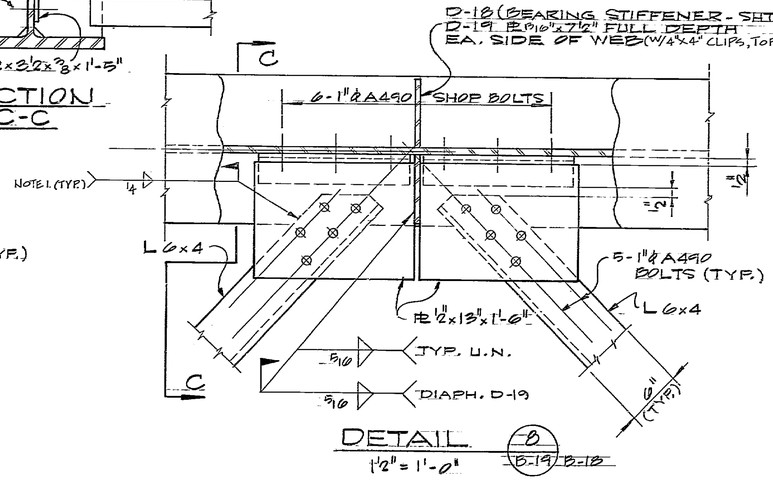
STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		87	17

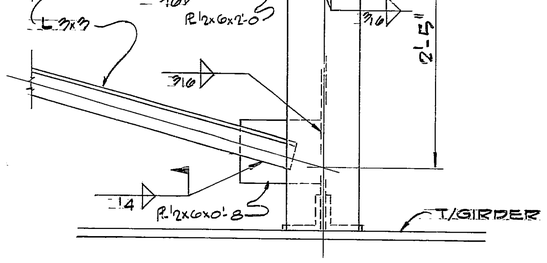
CT. 2

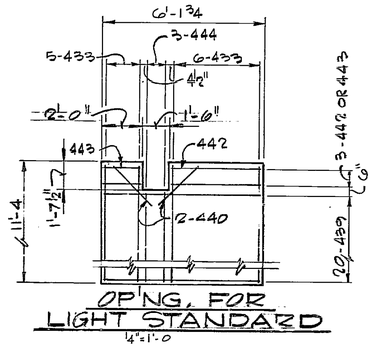


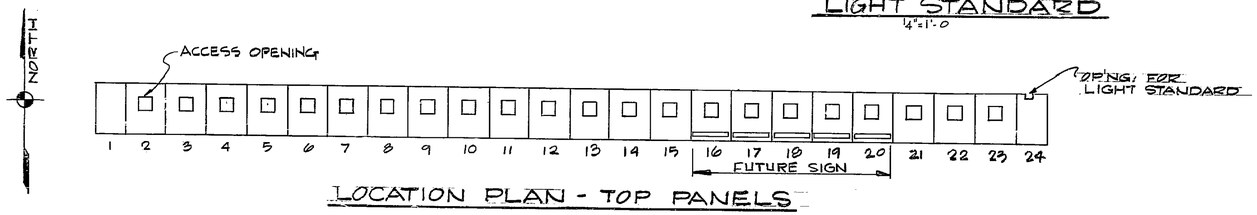












NOTES:

1. WELDS FOR 6X4 BRACING ANGLES ARE NOT REQUIRED IF BOLTS ARE USED.
2. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
3. FOR WELDING NOTES, SEE SHEET B-27.

BRIDGE SHEET B-19 OF 44

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

WATER MAIN SUPPORT DETAILS

PHASES I & VI

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2 (41) 256

DATE	REVISIONS	BY

SCALE AS SHOWN DATE AUG. 1979

CONSULTANT: DESIGNED L.M.S. CHECKED M.B.C. DRAWN W.J.D. REVIEWED F.R.P.

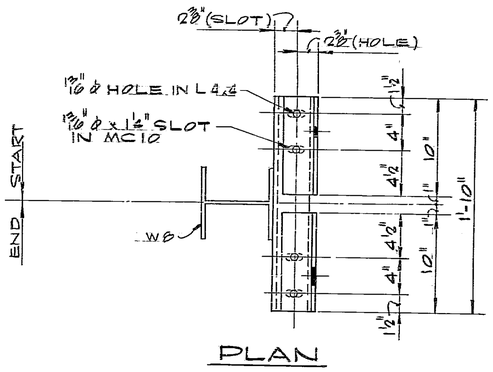
HIGHWAY DIVISION: REVIEWED _____ APPROVED _____

REGISTERED PROFESSIONAL ENGINEER No. 4253 TRANSPORTATION ROBERT PRYBYLOWSKI

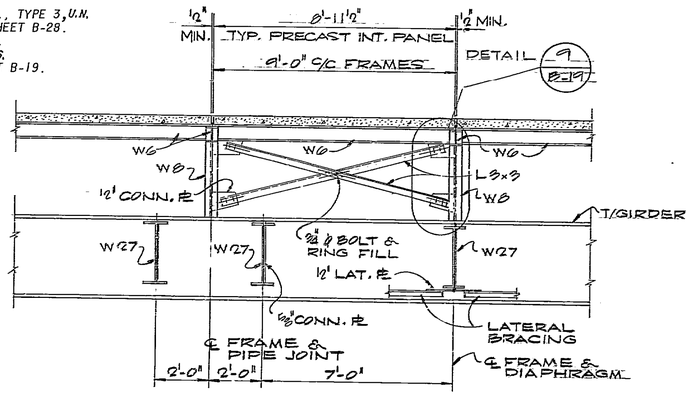
STATE AID PROJ. NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		88	177

NOTES:

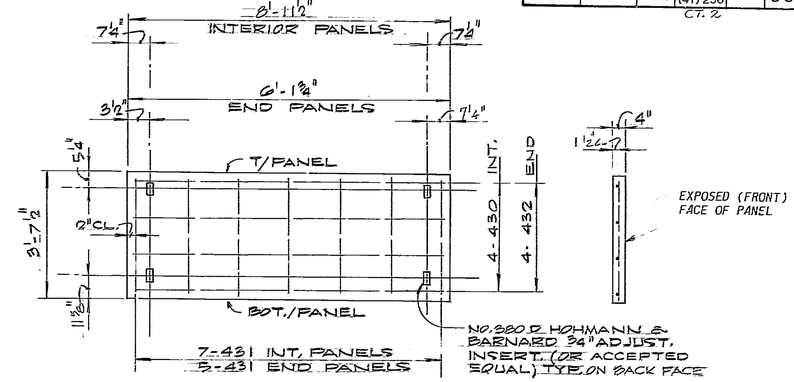
1. BOLTS SHALL BE 3/4" DIA. A 325 H.S., TYPE 3, U.N.
2. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
3. FOR WELDING NOTES, SEE SHEET B-27.
4. END PANELS HAVE NO ACCESS OPENINGS.
5. FOR TOP PANEL LOCATIONS, SEE SHEET B-19.



PLAN

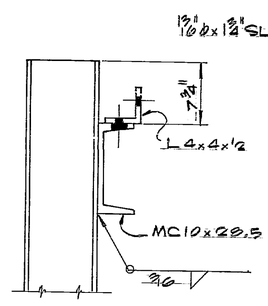


SECTION G
⅜" = 1'-0"
B-20 B-18

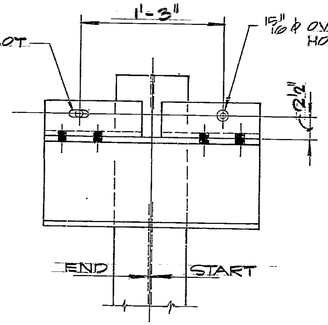


SIDE PANEL

22-REQ'D. INTERIOR PANELS
2-REQ'D. END PANELS
(ONE END PANEL - OPPOSITE HAND)

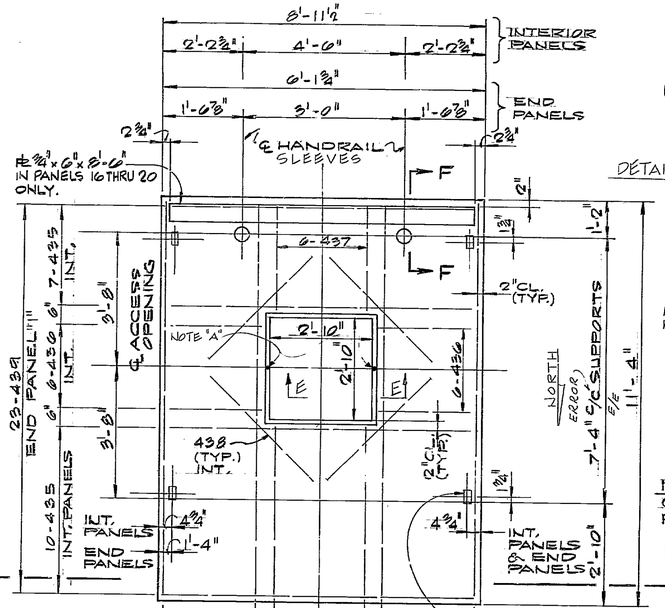


SIDE VIEW



FRONT VIEW

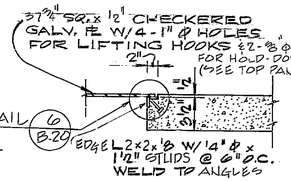
DETAIL 4
1½" = 1'-0"
B-20 B-18



TOP PANEL

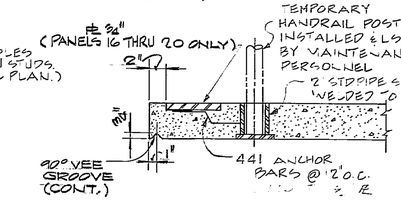
17-REQ'D. INT. PANELS 2 THRU 15 & 21 THRU 23
5-REQ'D. INT. PANELS 16 THRU 20
1-REQ'D. END PANEL "1" - (OPP. HAND)
1-REQ'D. END PANEL "24" - WITH OP'NG. FOR LIGHT STD. SEE SHT. B-19.)

FOR REINF. NOT SHOWN FOR PANEL "24", SEE SHT. B-19.



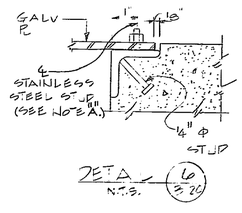
SECTION E-E
1½" = 1'-0"

NOTE "A": TWO 1/2" ø x 1 1/2" STAINLESS STEEL STUDS WITH STAINLESS STEEL NUTS. WELD STUDS TO ANGLES.

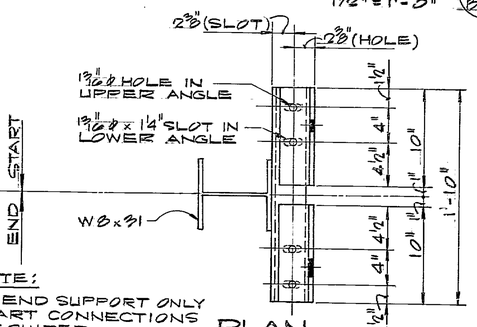


SECTION F-F
1½" = 1'-0"

NOTE
CONCRETE FOR PRECAST PANELS SHALL BE CLASS "AAA."

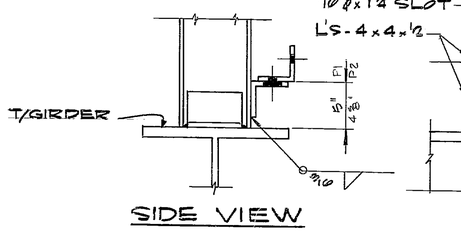


DETAIL 6
N.T.S.
B-20

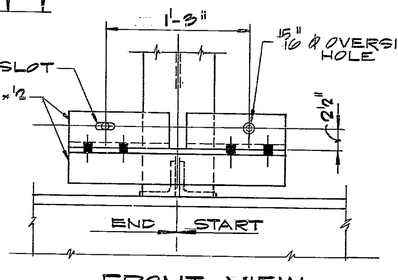


PLAN

NOTE:
AT END SUPPORT ONLY START CONNECTIONS REQUIRED.

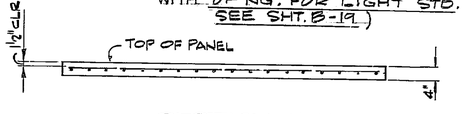


SIDE VIEW



FRONT VIEW

DETAIL 5
1½" = 1'-0"
B-20 B-18



SECTION H-H
THRU
TOP PANEL

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

WATER MAIN CLADDING

PHASES I & VI

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE: AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED L.M.C. CHECKED M.B.C.
DRAWN W.J.P. REVIEWED F.R.P.
REVIEWED
APPROVED

REVISIONS BY DATE

BRIDGE SHEET B-20 OF 44

REGISTERED GEORGIA No. 4253 PROFESSIONAL Engineer FRANK ROBERT PRYBYLOWSKI

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 CT. 2		89	177

℄ RELOCATED TENTH STREET
STA 15+00.00 =
STA 46+67.65 ℄ I-75

℄ RELOCATED TENTH STREET

BEGIN WATER MAIN CONSTRUCTION
STA. 0+43.43

LIMITS OF PIPEWORK TO BE PERFORMED BY UTILITY OWNER

22.00'

℄ EXIST. TENTH STREET

END WATER MAIN CONSTRUCTION
STA. 3+80.76

LIMITS OF PIPEWORK TO BE PERFORMED BY UTILITY OWNER

STA 0+00
℄ EXIST. 36" WATER MAIN

4'

STA. 0+63.37
℄ RESTRAINED 45° BEND
S-4406.45
W-1254.53

19.67'

TEMPORARY SPANS — PHASE I

REQ'D 341.18 L.F. OF 36" DUCTILE IRON PIPE RESTRAINED, CLASS 350, MINIMUM WALL THICKNESS TO BE 0.63" (PIPE LENGTH FOR TIE-IN NOT INCLUDED)

STA. 3+60.76
℄ RESTRAINED 45° BEND
S-4410.35
W-976.07

REQ'D 9'-2 7/8" NIPPLE

REQ'D 11'-5 5/8" NIPPLE

REQ'D 1'-7 11/16" NIPPLE

REQ'D 7'-10 3/8" NIPPLE

REQ'D 1'-7 11/16" NIPPLE

REQ'D 7'-9 1/4" NIPPLE

REQ'D 8' DEEP X 12' WIDE X 16' LONG. CONTRACTOR SHALL EXCAVATE AND POUR CONCRETE.

EXIST. 36" WATER MAIN

953± TO 36" EXIST. GATE VALVE

807'± TO 36" EXIST. GATE VALVE

36" GATE VALVE NOT IN CONTRACT

REQ'D 3'-8 7/8" TRANSITION NIPPLE RESTRAINED-MECHANICAL

REQ'D 5'-6" TRANSITION NIPPLE RESTRAINED-MECHANICAL

REQ'D. DEADMAN ANCHOR BLOCK 8' DEEP X 12' WIDE X 16' LONG. CONTRACTOR SHALL EXCAVATE AND POUR CONCRETE.

REMOVE 108' OF EXIST. WATER MAIN

REMOVE 102' OF EXIST. WATER MAIN

STA. 0+96.68
℄ RESTRAINED 45° BEND

WATER MAIN STA 1+06.84 AT B.F.P.R.-NEW TENTH ST. BRIDGE

18.01' (TYP.)

WATER MAIN STA. 2+13.09 AT CENTER PIER-NEW TENTH ST. BRIDGE

WATER MAIN STA. 3+19.34 AT B.F.P.R. NEW TENTH ST. BRIDGE

STA. 3+29.52
℄ RESTRAINED 45° BEND

STA. 3+25.84
℄ RESTRAINED 45° BEND

STA. 3+21.84
℄ RESTRAINED 45° BEND

STA. 1+00.35
℄ RESTRAINED 45° BEND

STA. 1+04.34
℄ RESTRAINED 45° BEND

EXISTING 36" WATER MAIN DUCTILE IRON CL 350/6

℄ PROJECT I-75

LIMITS OF CONSTRUCTION

LIMITS OF CONSTRUCTION

N

NOTES:

1. ATLANTA BUREAU OF WATER WILL FURNISH ALL MATERIALS NECESSARY FOR STRAPPING EXISTING WATER MAIN TO DEADMAN ANCHOR BLOCKS
2. WATER MAIN INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH ATLANTA BUREAU OF WATER "DESIGN CRITERIA AND STANDARDS MANUAL."
3. EXISTING WATER MAIN TO BE REMOVED BY CONTRACTOR ////
4. STATIONING SHOWN IS FOR WATER MAIN AND IS HORIZONTAL.
5. PIPE LENGTHS SHOWN ARE ACTUAL LAYING LENGTHS.
6. CONTRACTOR SHALL FURNISH ALL MATERIALS NECESSARY FOR CONNECTING PIPE LINE TO EXISTING WATER MAIN.
7. TOTAL PIPE FOOTAGE SHOWN INCLUDES FITTINGS.

REQ'D 1'-7 7/16" NIPPLE

REQ'D 9'-2 7/8" NIPPLE

STA. 3+19.34
B.F.P.R.

REQ'D 7'-9 1/4" NIPPLE

LIMITS OF PIPEWORK TO BE PERFORMED BY UTILITY OWNER

EXISTING 36" WATER MAIN

REQ'D 1'-7 11/16" NIPPLE

REQ'D 7'-10 3/8" NIPPLE

4" PRECAST PANEL

STA. 1+06.84
B.F.P.R.

REQ'D 11'-5 5/8" NIPPLE

STA. 3+21.84
℄ RESTRAINED 45° BEND

18.01' (TYP.)

ABUTMENT

W14x211
8' LENGTH

4'

LIMITS OF PIPEWORK TO BE PERFORMED BY UTILITY OWNER

EXISTING 36" WATER MAIN

STA 1+04.34
℄ RESTRAINED 45° BEND

ABUTMENT

STA. 1+00.35
℄ RESTRAINED 45° BEND

CENTER PIER

STA. 3+25.93
℄ RESTRAINED 45° BEND

STA. 3+60.76
℄ RESTRAINED 45° BEND
℄ ELEV. 931.66

STA. 3+29.52
℄ RESTRAINED 45° BEND

NOTE 1 FOR ELEVATIONS SEE BRIDGE SHEETS B-16 AND B-25.

STA. 0+63.37
℄ RESTRAINED 45° BEND
℄ ELEV. 918.40

STA 0+96.68
℄ RESTRAINED 45° BEND

W14x211
8' LENGTH

1'

4'

REQ'D DEADMAN ANCHOR BLOCK

REQ'D DEADMAN ANCHOR BLOCK

BEGIN WATER MAIN CONSTRUCTION
STA. 0+43.43
℄ ELEV. 916.32

EXISTING GROUND

END WATER MAIN CONSTRUCTION
STA. 3+80.76
℄ ELEV. 930.88

940 935 930 925 920 915 910 905

0+00 0+30 0+60 0+90 1+20 1+50 1+80 2+10 2+40 2+70 3+00 3+30 3+60 3+90 4+10 4+40

WATER MAIN PLAN AND PROFILE

PHASE I

TENTH STREET BRIDGE OVER I-75

STA.13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

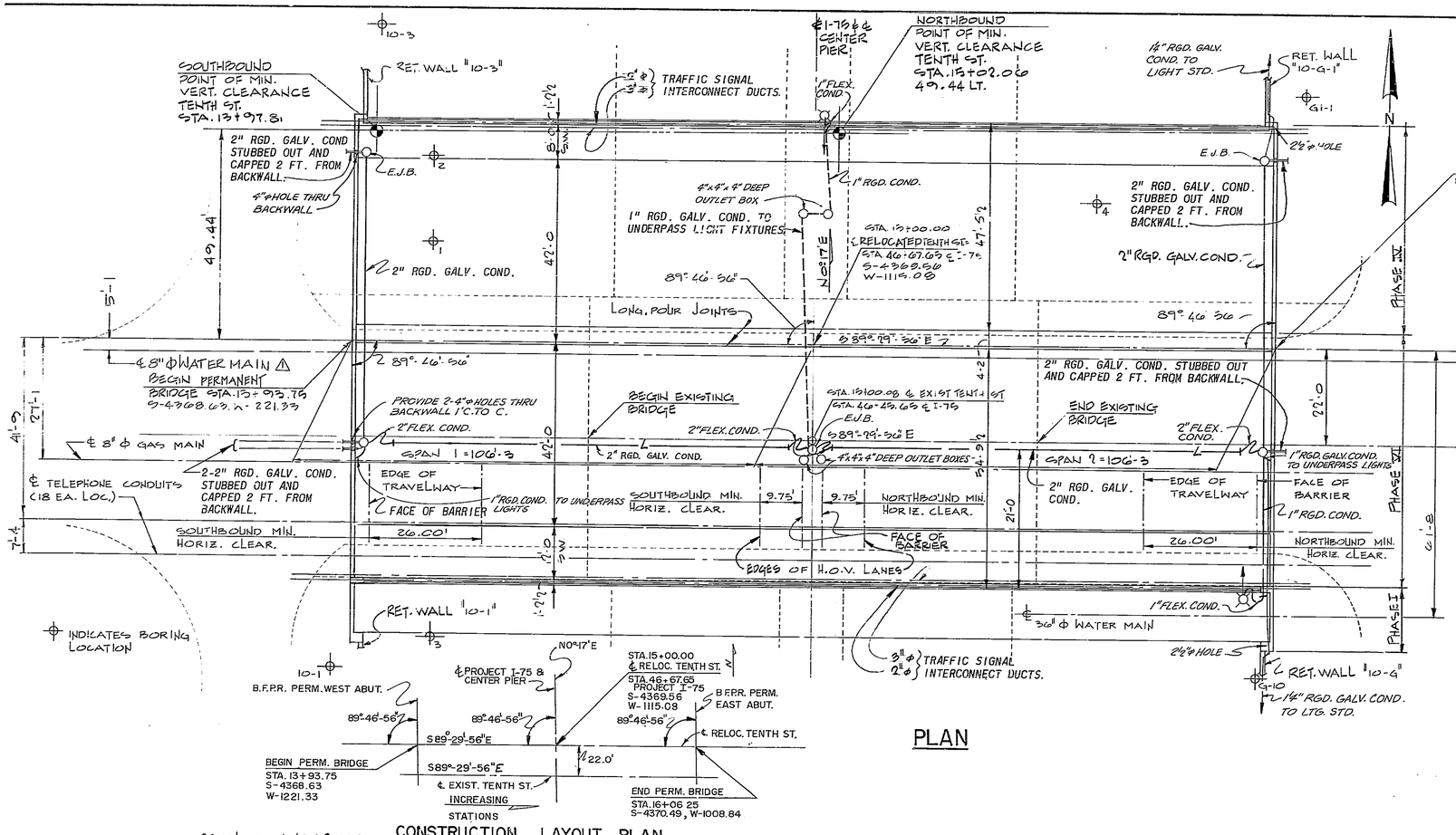
SCALE: HORZ. 1"= 15'
VERT. 1"= 5'

BRIDGE B-21 SHEET OF 44

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO.

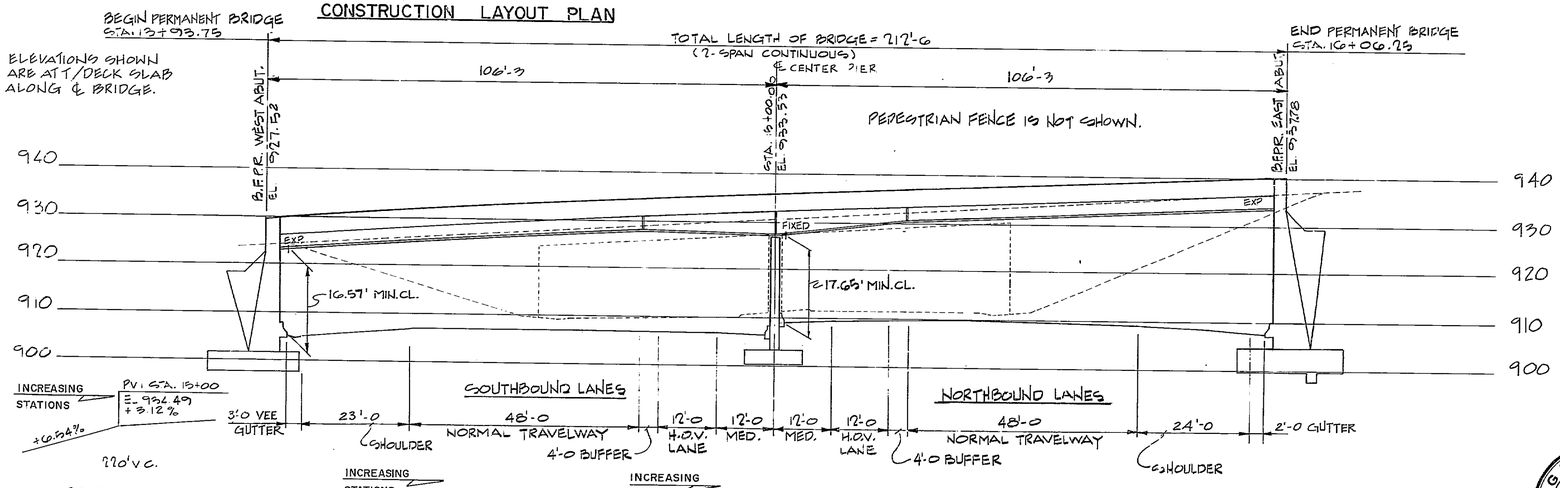
STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		90	177

CT. 2



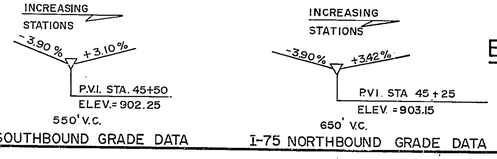
PLAN

CONSTRUCTION LAYOUT PLAN



ELEVATION

TENTH STREET GRADE DATA



I-75 SOUTHBOUND GRADE DATA

I-75 NORTHBOUND GRADE DATA

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD, DATED 1977, AS MODIFIED BY THE JULY 1, 1979 EDITION OF SUPPLEMENTAL SPECIFICATIONS.
PRECAST CONCRETE BARRIERS SHALL BE PICKED UP AT AND RETURNED TO THE FOREST PARK MAINTENANCE ACTIVITIES BUILDING
STD. 3053 & 3054 USED FOR THE SPECIAL END SHOE AND ATTACHMENT DETAILS.
PROTECTIVE SURFACE TREATMENT PER SECTION 500.13C WILL BE REQUIRED AT THIS SITE. PRECAST PANELS-FOR USE, SEE BRIDGE SHT B-30
REMOVAL OF TEMPORARY SPANS AND EXISTING BRIDGE - SHALL CONSIST OF THE REMOVAL AND SATISFACTORY DISPOSAL OF THE ENTIRE SUBSTRUCTURE AND SUPERSTRUCTURE OF THE EXISTING BRIDGE AND TEMPORARY SPANS (EXCEPT FOR PERMANENT ABUTMENTS). THE MATERIAL TO BE SALVAGED FOR THE DEPARTMENT'S USE CONSISTS OF ALL STRUCTURAL STEEL, BEARING PADS AND PLATES, A I S C PLAQUES, TEMPORARY SPAN TIMBER, METAL HANDRAIL, AND LIGHT POLES
OTHER REQUIREMENTS - FOR OTHER GENERAL NOTES AND CONTRACT REQUIREMENTS, SEE THE STANDARD PLANS (NOS. 3053, 3054, 3901 AND 9037) SPECIAL PLANS, SUPPLEMENTAL SPECIFICATIONS, AND SPECIAL PROVISIONS
GROOVING OF CONCRETE WILL BE REQUIRED AT THIS SITE.
PROTECTIVE PLATFORMS - THE USE OF PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE. SEE SPECIAL PROVISIONS. CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 14.31 FEET ABOVE MAINLINE (I-75) TRAFFIC DURING CONSTRUCTION.

CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES SUCH THAT PHASE CONSTRUCTION OF BRIDGE AND APPROACH ROADWAY, INCLUDING APPROACH SLABS, IS NOT DISRUPTED.

BRIDGE CONSISTS OF

1 - (106.25'-106.25') PLATE-GIRDER/WIDE-FLANGE-TYPE, COMPOSITE, CONTINUOUS UNIT ---------- SPECIAL DESIGN
2 - CONCRETE ABUTMENTS ---------- SPECIAL DESIGN
1 - CONCRETE INTERMEDIATE PIER ---------- SPECIAL DESIGN
BAR BENDING DETAILS ---------- GA. STD. 3901
TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD 9037 (2-1-79)
FENCING ---------- SPECIAL DESIGN
WATER MAIN AND SUPPORT SYSTEM ---------- SPECIAL DESIGN
END POST AND END POST GUARDRAIL ATTACHMENT DETAIL ---------- GA. STD. 3053
END POST AND END POST GUARDRAIL ATTACHMENT DETAIL ---------- GA. STD. 3054

SUMMARY OF QUANTITIES

10,741	CU YD - BR EXCAV, GR SEP, BR NO 3
1	EACH - BR DECK JOINT SEAL-BT 1
1	EACH - BR DECK JOINT SEAL-BT 3
1,916.5	SQ YD - GROOVING CONCRETE
LUMP	SUPERSTR CONC, CLASS AA-BR NO 3 (707.79)
3,304.08	CU YD - CL A CONC
LUMP	STR STEEL-BR NO 3 (1,362,590) LB
100.6	MBM - BR TIM, TREATED
23.27	CU YD - TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
220,599	LB - BAR REINF STEEL
LUMP	SUPERSTR REINF STEEL-BR NO 3 (202,925) LB
△ 230	LIN FT - WATER MAIN, 8IN
69.8	LIN FT - PILOT HOLES
89.1	SQ YD - WATERPROOFING, 3 FLY
LUMP	REM OF TEMP SPANS - BR NO 3
LUMP	REM OF EXISTING BR - BR NO 3
LUMP	PRECAST PANELS - BR NO 3
720	LIN FT - PRECAST CONC BARRIER, METHOD 2
158.0	LIN FT - CH LK FENCE, PVC, 6 FT, 9 GA.
341.2	LIN FT - WATER MAIN, 36 IN
425.0	LIN FT - CH LK FENCE, PVC, 7 FT, 9 GA

BRIDGE DESIGN DATA

SPECIFICATIONS - A.A.S.H.T.O. 1977 (INTERIM 1978)
TYPICAL HS 20-44 OR MILITARY LOADING - IMPACT ALLOWED.
FUTURE PAVING ALLOWANCE - 30 LBS. PER SQ. FT.
CONCRETE - f'_c = 3,000 PSI
REINFORCING - fy = 40,000 PSI

MAX. DEFLECTION UNDER SERVICE LIVE LOAD PLUS IMPACT $\leq \frac{L}{1000}$
(WITH REMOVABLE SIDEWALKS IN PLACE)

UTILITIES

WATER MAIN ---------- CITY OF ATLANTA BUREAU OF WATER
TELEPHONE CONDUITS ---------- SOUTHERN BELL TELEPHONE & TELEGRAPH COMPANY
GAS MAIN ---------- ATLANTA GAS LIGHT COMPANY
ELECTRICAL CONDUITS ---------- GEORGIA POWER COMPANY AND CITY OF ATLANTA TRAFFIC ENGINEERING

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

BRIDGE SHEET B-22 OF 44

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

PLAN AND ELEVATION - PERMANENT
PHASES I, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

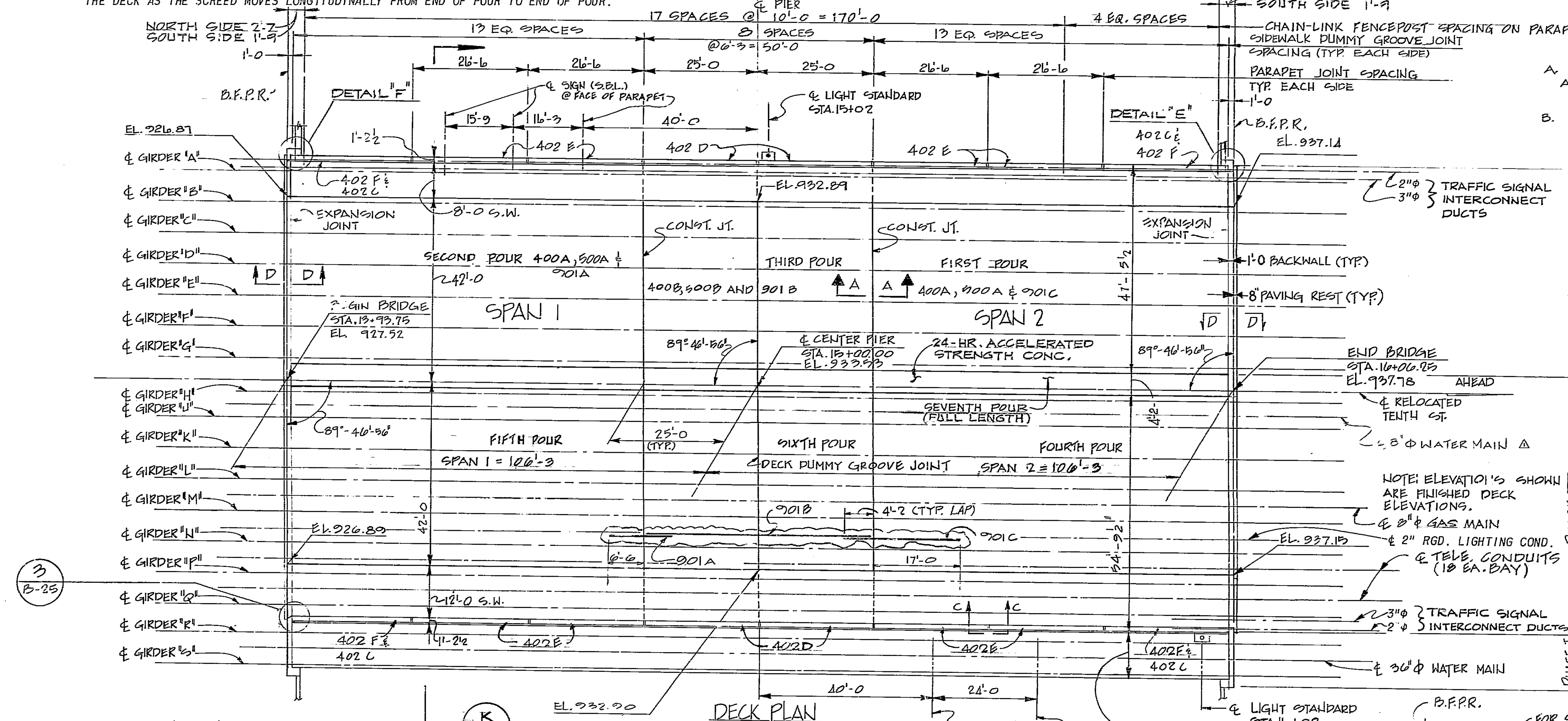
FULTON COUNTY I-75-2(41)256

REVISIONS	BY	DATE
COMPLETE REVISION	S.L.W.	5-11-79

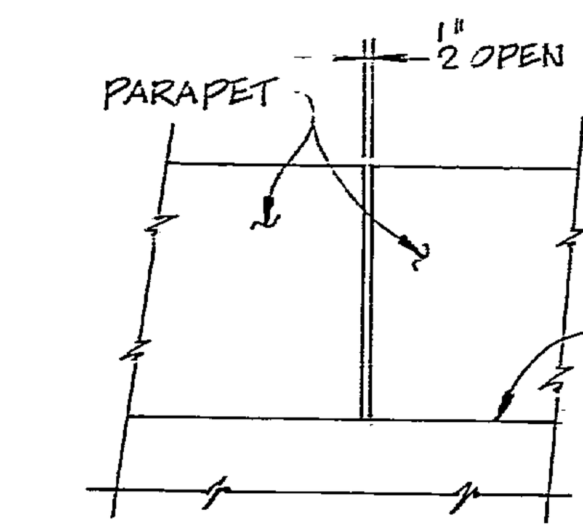
SCALE 1" = 5'
DATE Aug. 1978
CONSULTANT
HIGHWAY DIVISION
DESIGNED P.Z. CHECKED W.H.L.
DRAWN J.W.D. REVIEWED P.R.P.
REVIEWED _____
APPROVED _____

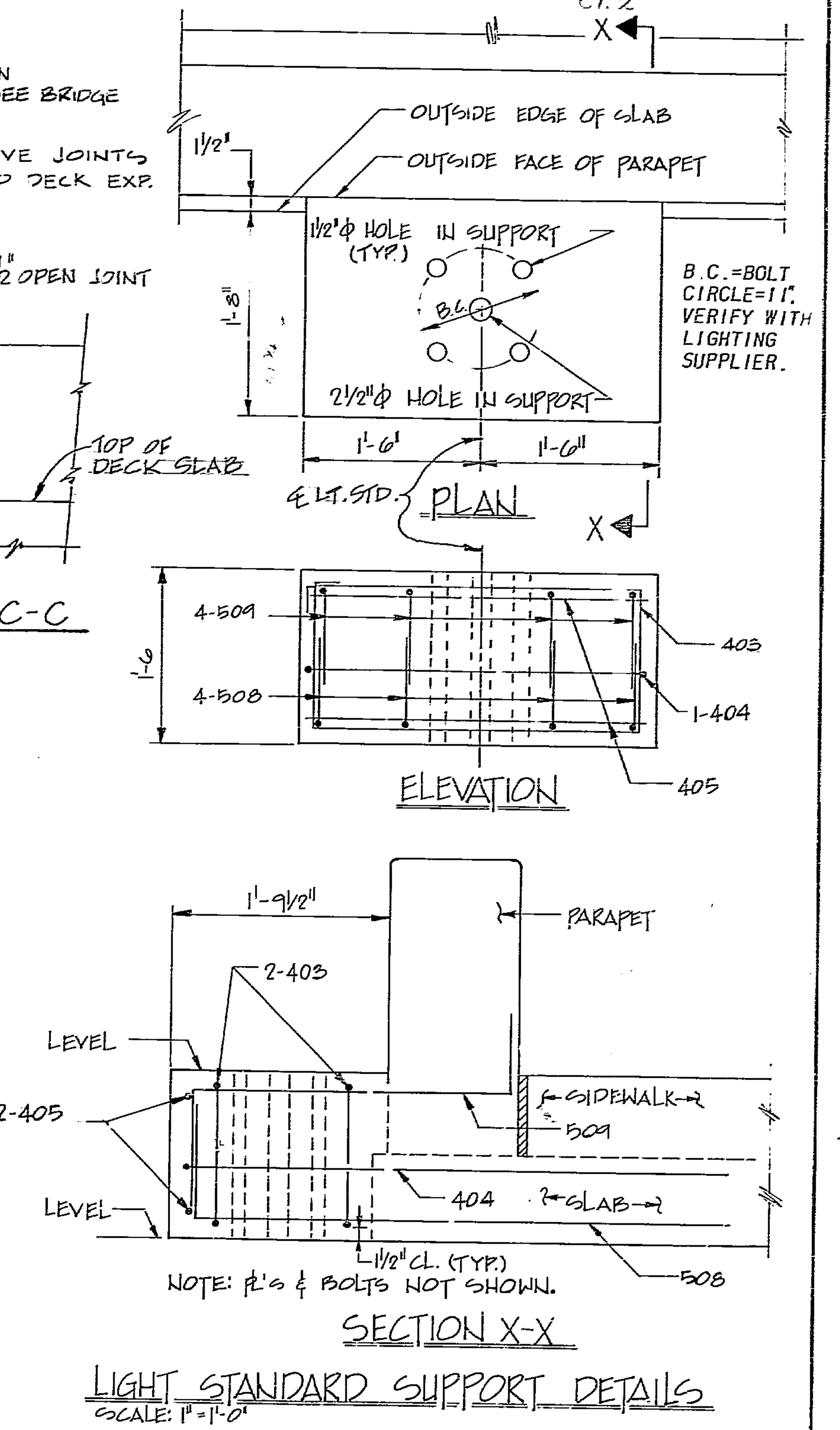
NOTE: THE SCREED SHALL BE A SELF-PROPELLED MECHANICAL FINISHING SCREED. IT SHALL SPAN THE DECK TRANSVERSELY, BE SUPPORTED BY LONGITUDINAL TRAVEL RAILS, AND UTILIZE A LONGITUDINAL STRIKE-OFF WHICH MOVES ACROSS THE DECK AS THE SCREED MOVES LONGITUDINALLY FROM END OF POUR TO END OF POUR.

STATE AID PROJ NO	FED ROAD DIV NO.	STATE	FED. AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		91	177

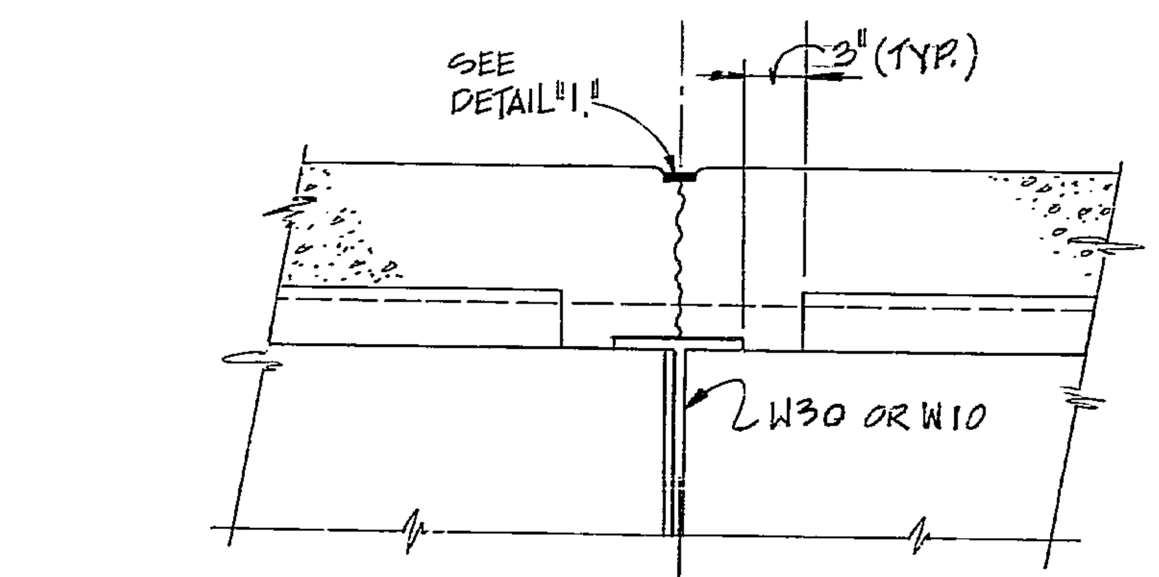


NOTES:
A. FOR FENCEPOST SPACING ON ADJOINING SUBSTRUCTURE, SEE BRIDGE SHTS. B-32 THRU B-35.
B. SIDEWALK DUMMY GROOVE JOINTS SHALL BE PARALLEL TO DECK EXP. JOINTS.



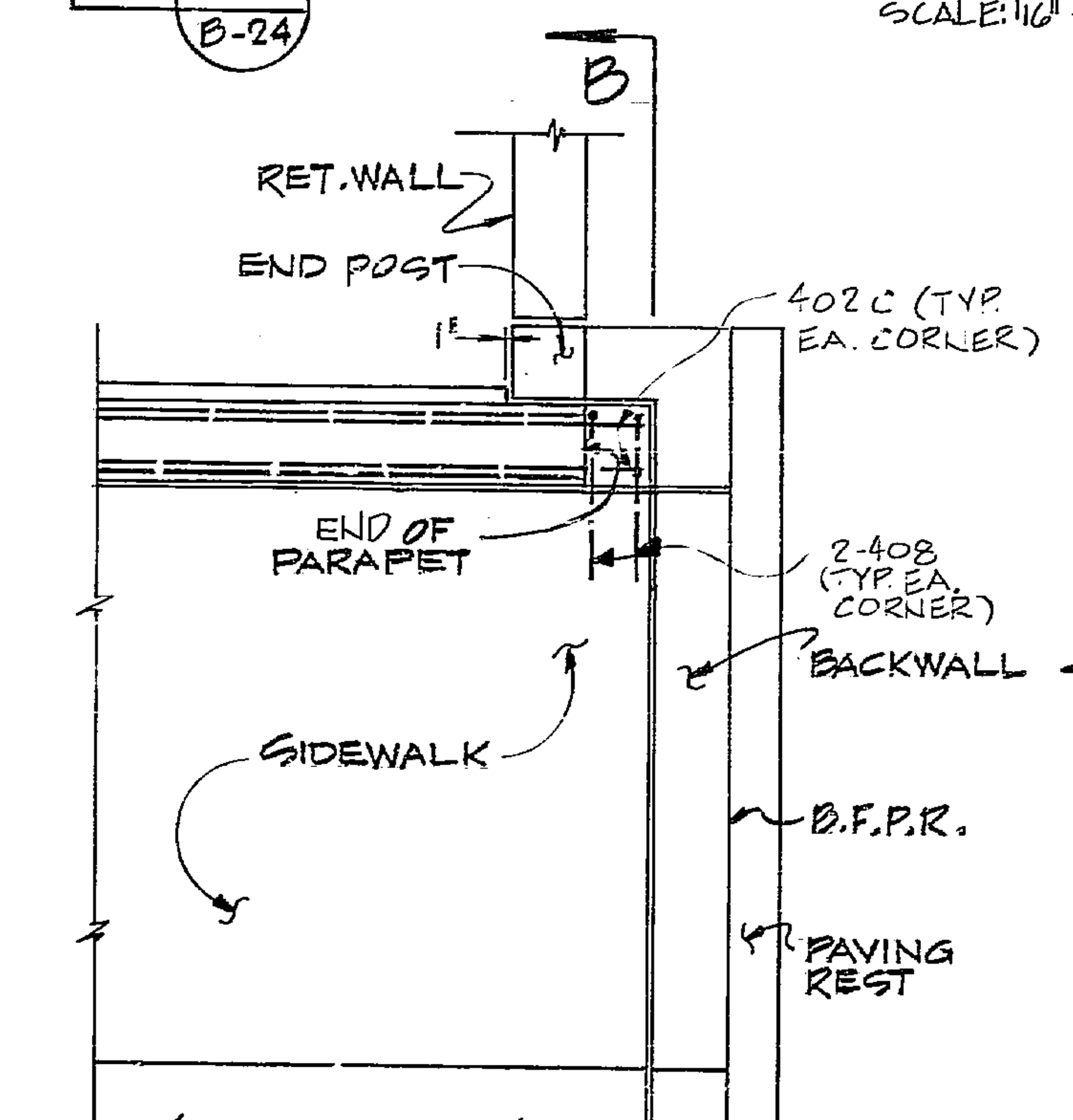


LIGHT STANDARD SUPPORT DETAILS
SCALE: 1" = 1'-0"

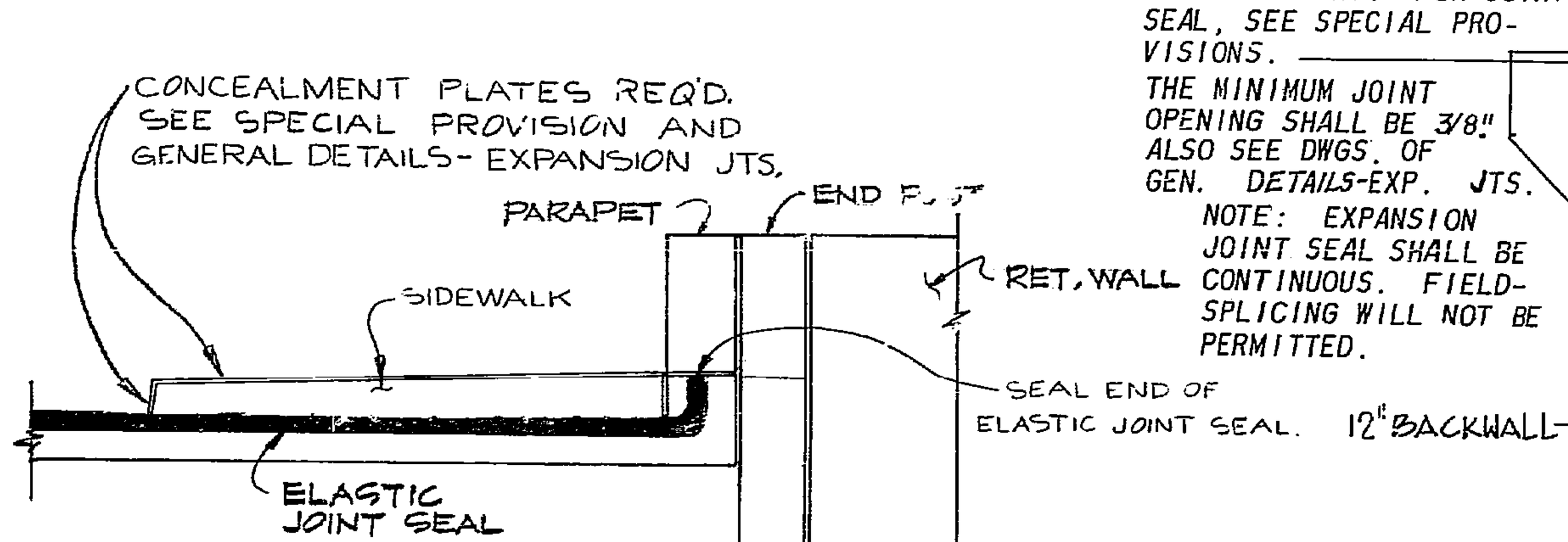


NOTE: USE DOUBLE 1/2" CHAMFER "V" GROOVE ON EXPOSED SURFACES OUTSIDE EXTERIOR GIRDER.

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



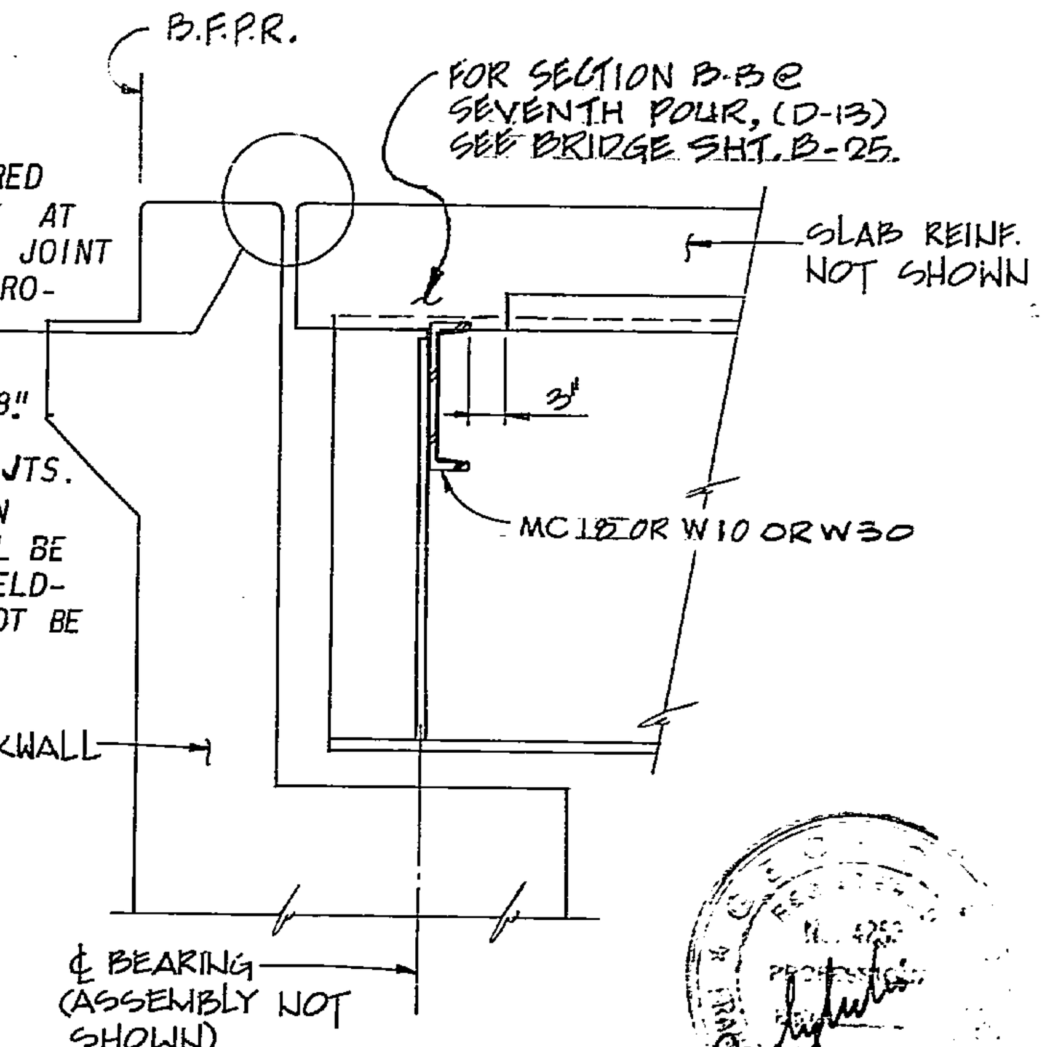
DETAIL "E"
DETAIL "F" OPPOSITE HAND
3/8" = 1'-0"



GIRDERS AND DIAPHRAGMS ARE NOT SHOWN.

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

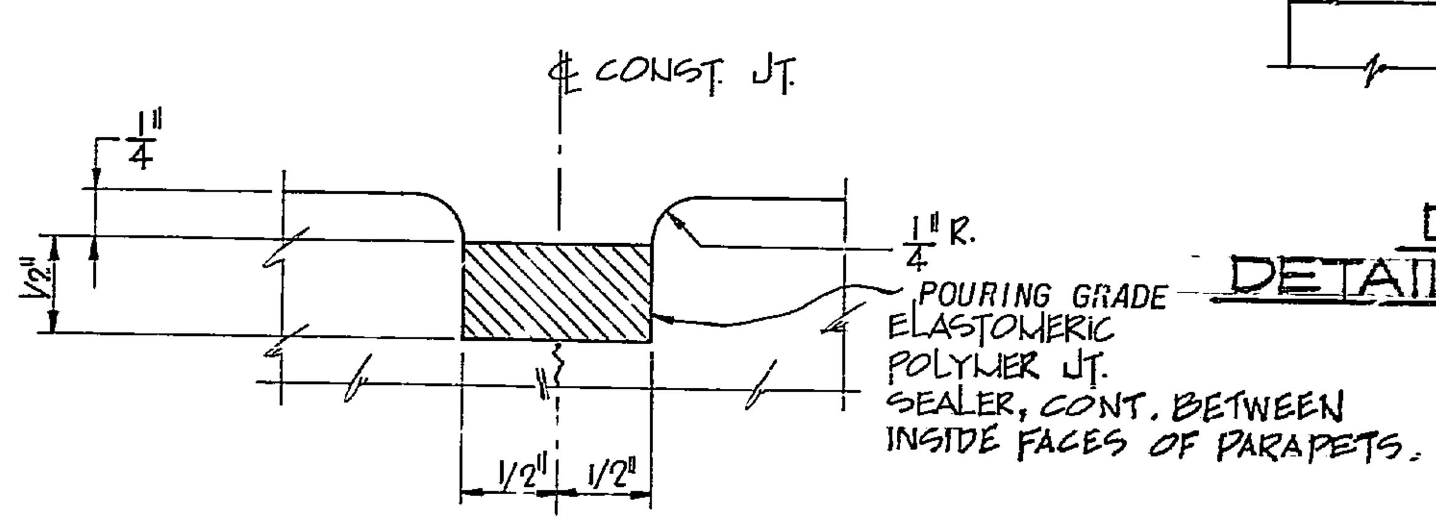
1" TRAVEL (TOTAL MOVEMENT) IS REQUIRED FOR EXPANSION JOINT AT EACH ABUTMENT. FOR JOINT SEAL, SEE SPECIAL PROVISIONS.
THE MINIMUM JOINT OPENING SHALL BE 3/8". ALSO SEE DWGS. OF GEN. DETAILS-EXP. JTS.
NOTE: EXPANSION JOINT SEAL SHALL BE CONTINUOUS. FIELD-SPLICING WILL NOT BE PERMITTED.



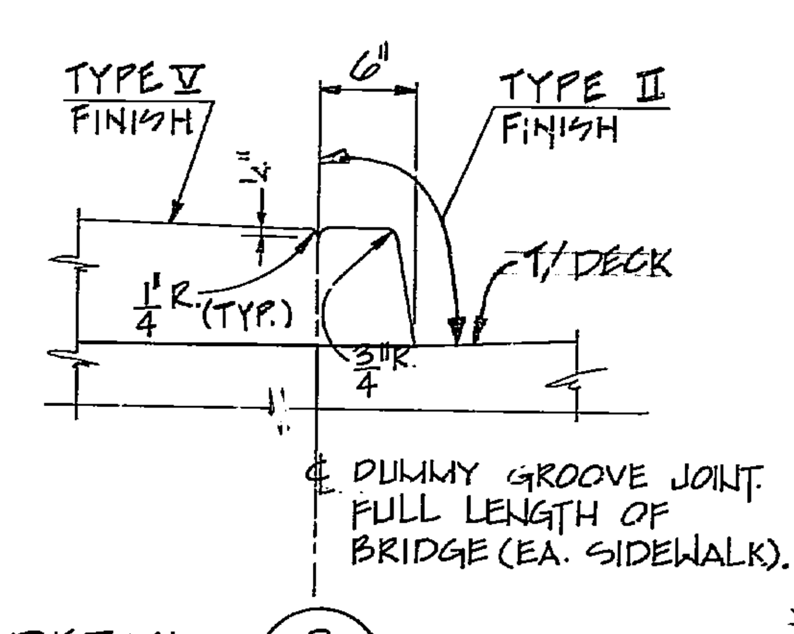
SECTION D-D
SCALE: 3/4" = 1'-0"

NOTE:

SLAB FORMS AND DIAPHRAGMS FOR THE CONNECTING SLAB STRIP (POUR SEVEN) SHALL NOT BE PLACED UNTIL AFTER CONCRETE FOR BOTH ADJACENT SLAB SECTIONS HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 2100 PSI.



DETAIL "1"
FULL SCALE



DETAIL 2 B-23 B-24
N.T.S.

SUMMARY OF QUANTITIES				
ITEM	PHASE I	PHASE II	PHASE IV	PHASE VI
LUMP SUPERSTR. CONC., CL "AA", CY	——	——	323.83	383.96
LUMP SUPERSTR. REINF. STEEL, LB.	——	——	93,912	109,013
LUMP STR. STEEL, LB *	320,526	139,977	403,628	499,459
24-HR. ACCEL. STRENGTH CONC., CY.	——	——	——	23.27
PRECAST PANELS, EACH	——	——	——	48

* INCLUDES 24,388 LBS. FOR W14X233 AT CENTER PIER.

NOTE: DETAIL FOR DECK DUMMY GROOVE JOINT AT ℄ PIER IS SIMILAR TO DETAIL "1".

NOTE: DETAIL "2" APPLIES TO TRANSVERSE SIDEWALK DUMMY GROOVE JOINTS ALSO.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

DECK PLAN

PHASES I, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN | DATE: AUG. 1977
CONSULTANT | HIGHWAY DIVISION
DESIGNED P.Z. | CHECKED W.H.L. | REVIEWED
DRAWN N.J. | REVIEWED ERP | APPROVED

BRIDGE SHEET B-23 OF 44

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		92	177

W=GRINNELL PIPE ROLL STAND (FIG. 271) OR ACCEPTED EQUAL W/7/8" φ BOLTS, NUTS, & WASHERS.
X=STEEL PIPE STRAP, 1/8" x 3", OR ACCEPTED EQUAL.

℄ 3/4" DRIP BEAD FULL LENGTH OF BRIDGE.

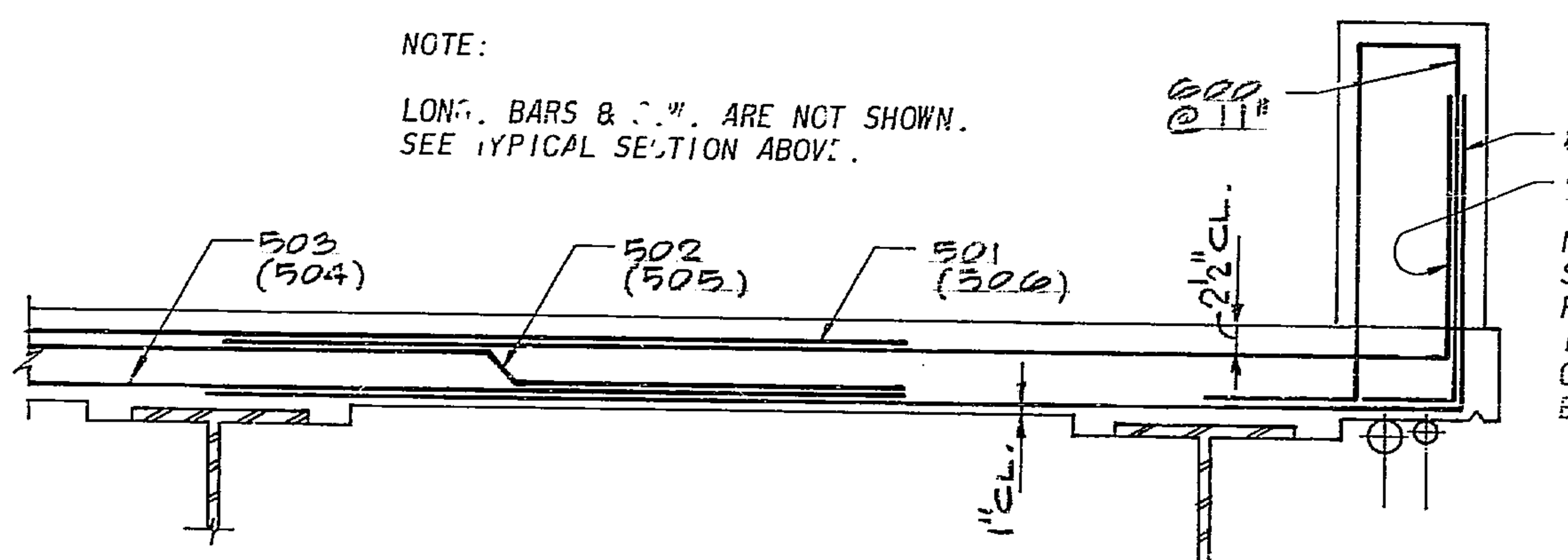
TYPICAL SECTION (K / B-24, B-2, B-23)

SCALE: 1/4" = 1'-0

NOTES:
1. 2" MIN. CLEARANCE TO REINF. BARS (TYP. U.N.).
2. TRANSVERSE DECK AND SIDEWALK REINFORCEMENT SHALL BE PLACED PARALLEL TO CENTER PIER.

NOTE:

LONG. BARS & C.W. ARE NOT SHOWN. SEE TYPICAL SECTION ABOVE.



DETAIL "1"

3/4" = 1'-0"

NOTE: UTILITY LINES WHICH ARE ATTACHED TO BRIDGE STRUCTURE SHOULD BE FREE OF ANY IMPRESSED D.C. CURRENT FOR CATHODIC PROTECTION. IN THE EVENT THAT D.C. CURRENT IS IMPRESSED, PLANS SHALL BE SUBMITTED, BY THE UTILITY COMPANY CONCERNED, FOR APPROVAL BY THE STATE BRIDGE DESIGN ENGINEER.

SLAB DEPTH AT CENTERLINE BEARING			
GIRDERS	WEST ABUT.	EAST ABUT.	CENTER PIER
"A" AND "Q"	9 1/2"	9 1/2"	8 7/8"
"B" AND "P"	9 7/16"	9 7/16"	8 3/16"
"C" THRU "N"	9 1/4"	9 1/4"	8 7/8"

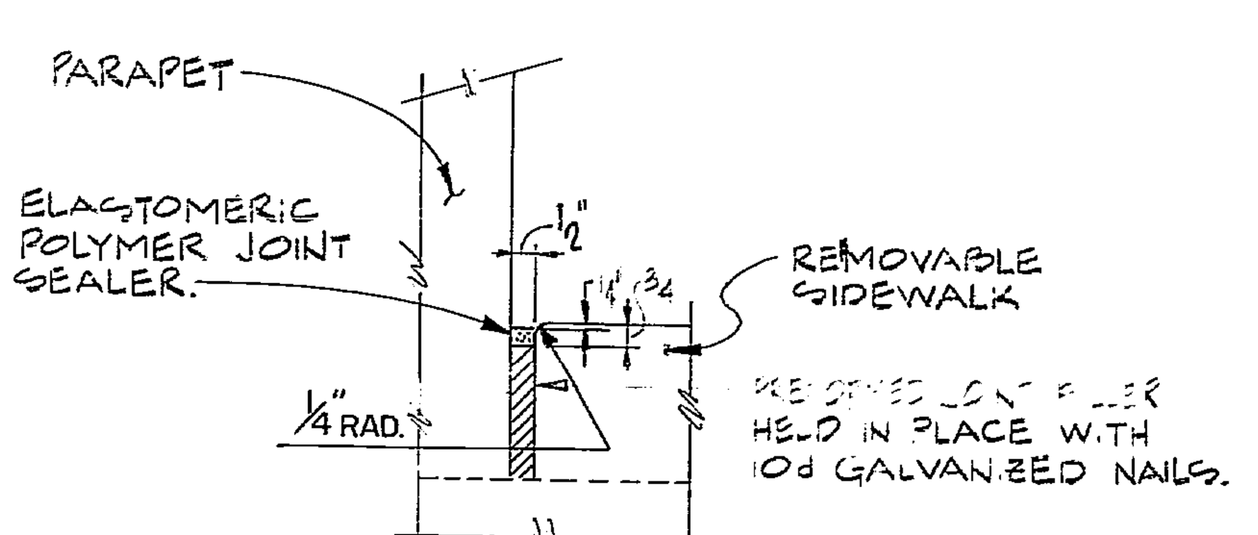
DIMENSIONS SHOWN IN TABLE ARE FROM TOPS OF GIRDERS TO TOP OF DECK SLAB AT INTERSECTIONS OF GIRDER CENTERLINES AND CENTERLINES OF BEARING ONLY. BETWEEN CENTERLINES OF BEARING, DIMENSIONS WILL VARY TO COMPENSATE FOR THE DIFFERENCES BETWEEN CAMBERS SHOWN IN GIRDER CAMBER DIAGRAMS AND ACTUAL GIRDER CAMBERS. DECK SLAB THICKNESS BETWEEN COPINGS SHALL BE 8 1/8".

⚠ UTILITY NOTES (CONTINUED)

5. 8" WATER MAIN
   a. PLACE HANGER ASSEMBLIES AND STRUCTURAL STEEL SUPPORTS WHERE SHOWN ON SHEET B-26. (24 ASSEMBLIES REQUIRED.)
   b. PHASE VI DECK SLAB SHALL HAVE f'c = 2,250 PSI MINIMUM BEFORE WATER MAIN IS FILLED.

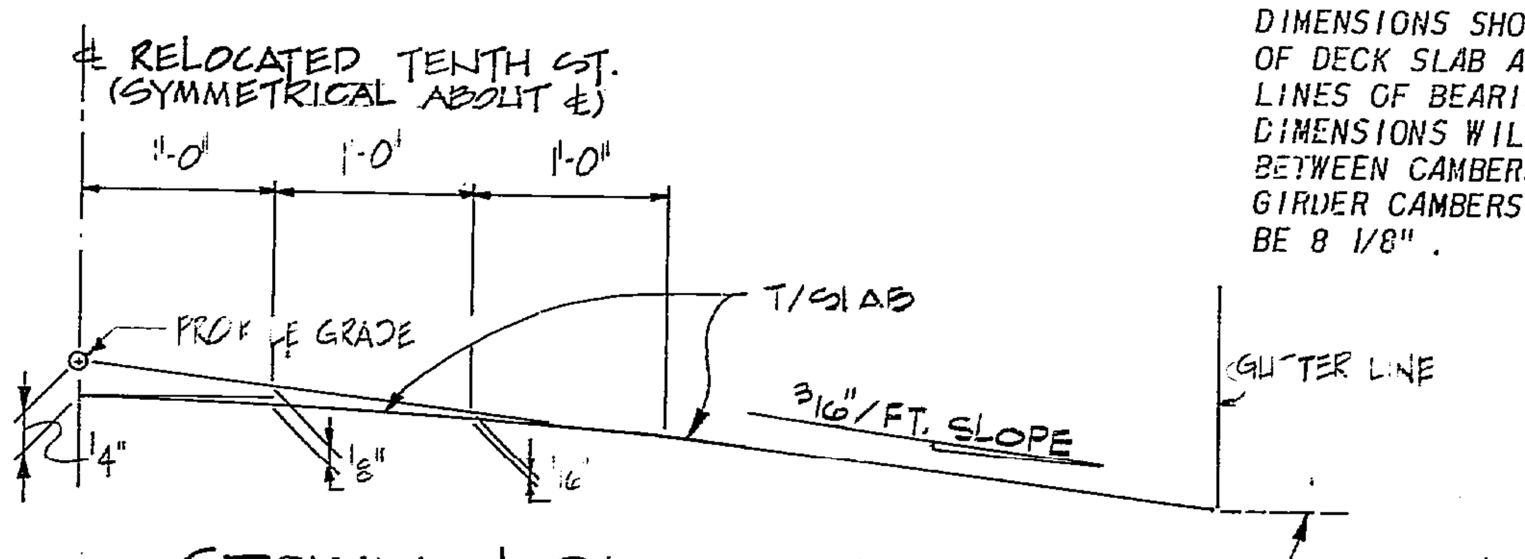
UTILITY NOTES

1. GENERAL
   a. UTILITIES SHALL CONFORM TO SLOPE OF BRIDGE.
   b. EACH UTILITY OWNER WILL PAINT HIS MAIN, CONDUITS, HANGER ASSEMBLIES, PIPE ROLL STANDS, AND ATTACHMENTS IF REQUIRED FOR CORROSION PROTECTION EXCEPT THAT THE CONTRACTOR SHALL PAINT THE WATER MAIN AND ITS STRAPS. SYSTEM II PAINT, AS SPECIFIED IN SECTION 535 OF THE STANDARD SPECIFICATIONS, SHALL BE USED.
   c. VOIDS BETWEEN FORMED OPENINGS (AS SHOWN) AND CONDUITS OR MAIN SHALL BE FILLED WITH CONCRETE BY THE CONTRACTOR.
   d. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES SUCH THAT PHASE CONSTRUCTION OF BRIDGE IS NOT DISRUPTED.
   e. PROTECT AND SHORE UTILITIES BEHIND ABUTMENTS UNTIL BACKFILLING AROUND MAINS AND CONDUITS IS COMPLETE.
2. TELEPHONE CONDUITS
   a. PLACE HANGER ASSEMBLIES AND STRUCTURAL STEEL SUPPORTS AT INTERVALS NOT EXCEEDING 7 FEET. (60 ASSEMBLIES ARE REQUIRED-30 EACH BAY)
   b. PHASE VI DECK SLAB SHALL HAVE f'c = 2,250 PSI MINIMUM BEFORE TELEPHONE CONDUITS ARE INSTALLED.
   c. UTILITY OWNER WILL FURNISH AND INSTALL CONDUITS AND HANGER ASSEMBLIES.
3. 36" WATER MAIN
   a. PIPE STRAPS AND SEAT GASKETS WILL BE FURNISHED BY UTILITY OWNER AND INSTALLED BY CONTRACTOR.
   b. CONTRACTOR SHALL FURNISH AND INSTALL ALL OTHER ITEMS BETWEEN THE POINTS AS SPECIFIED ON THE DRAWINGS AND IN THE SPECIAL PROVISIONS.
4. GAS MAIN
   a. PLACE HANGER ASSEMBLIES AND STRUCTURAL STEEL SUPPORTS AT INTERVALS NOT EXCEEDING 32 FEET. (6 ASSEMBLIES ARE REQUIRED.)
   b. CONTRACTOR SHALL FURNISH AND INSTALL 7/8" GUSSET PLATES AND 4" CHANNELS. GAS COMPANY WILL FURNISH AND INSTALL PIPE, THIMBLES, PIPE ROLL STANDS WITH STRAPS, BOLTS, NUTS AND ALL MISCELLANEOUS HARDWARE.
   c. STRAP LENGTH & INSTALLATION SHALL BE SUCH THAT LONGITUDINAL PIPE MOVEMENT IS PERMITTED WHILE EXCESSIVE LATERAL MOVEMENT IS PREVENTED.



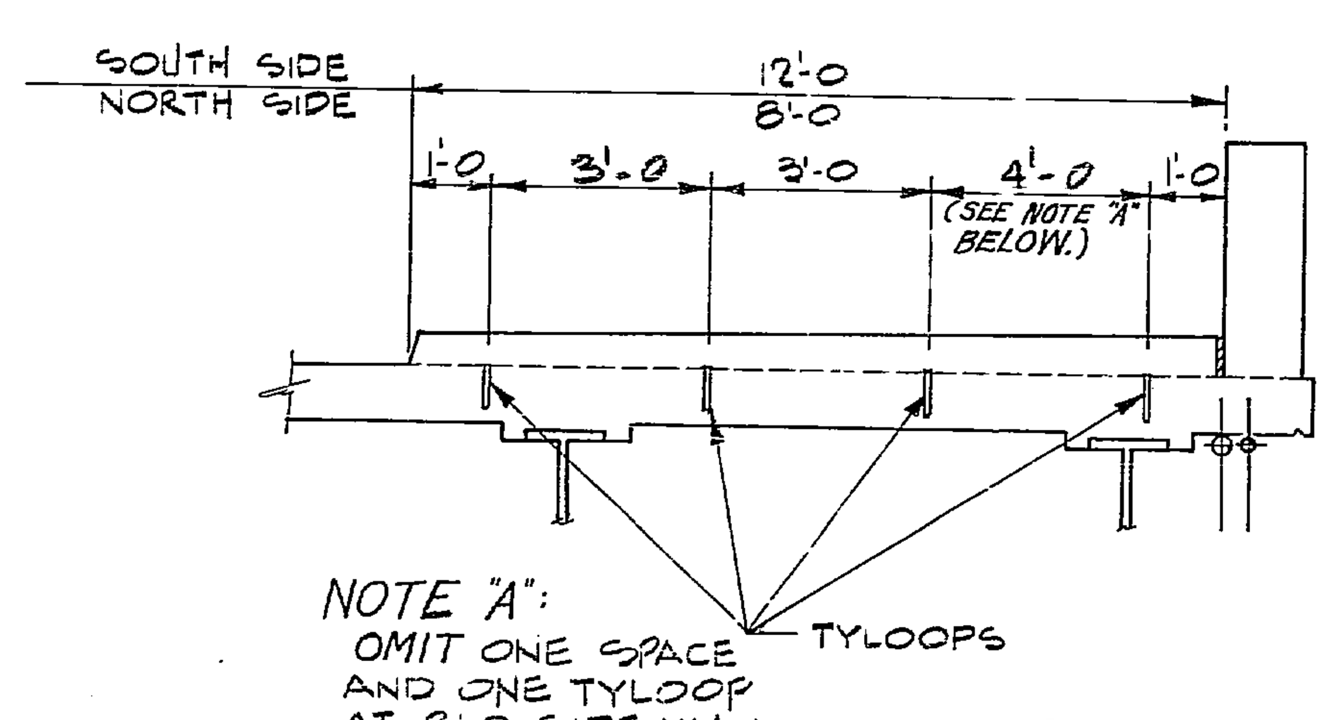
JOINT DETAIL AT PARAPET & SIDEWALK

NO SCALE



CROWN & SLOPE DETAIL

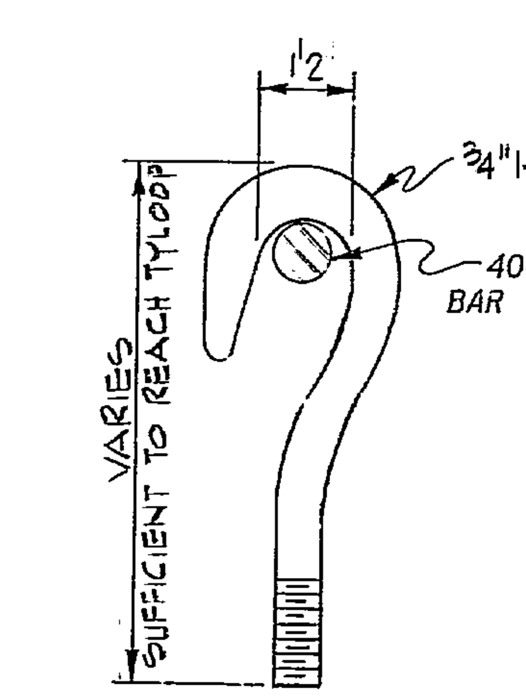
N.T.S.



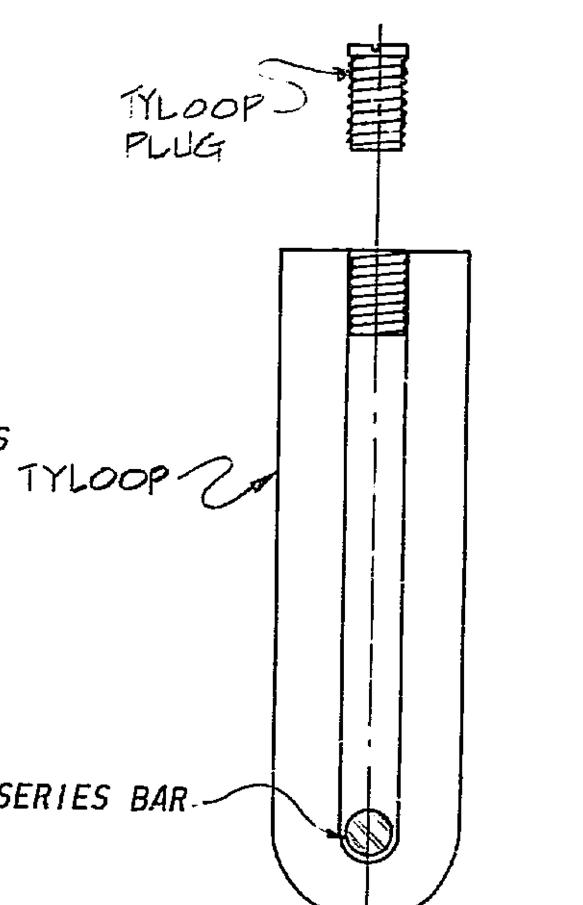
SIDEWALK TYLOOP SPACING DETAIL

SCALE: 3/8" = 1'-0

TYLOOPS SHALL BE INSTALLED ON BOTH SIDES OF BRIDGE AS SHOWN AT 3'-0± LONGITUDINAL SPACING MEASURED ALONG FACE OF PARAPET. PLUGS FOR TYLOOPS SHALL BE FLUSH WITH BRIDGE DECK. COST OF TYLOOPS AND PLUGS COMPLETE AND IN PLACE SHALL BE INCLUDED IN PRICE BID FOR LUMP - SUPERSTR. CONC. - CLASS "AA". (SEE HOOK AND TYLOOP DETAILS.)



HOOK DETAIL



TYLOOP DETAIL

CONDUIT NOTES (CONTINUED):

9. CONDUITS SHALL BE STUBBED OUT AND CAPPED 2 FEET MINIMUM BEYOND THE BACK FACES OF ABUTMENT BACKWALLS.

NOTES FOR LIGHTING AND TRAFFIC SIGNAL INTERCONNECT CONDUITS:

1. RIGID CONDUIT, INSTALLED ON STRUCTURES, SHALL BE SUPPORTED AT LEAST EVERY 10 FEET AND WITHIN 3 FEET OF JUNCTION BOXES, LUMINAIRES, ETC.
2. CONDUIT EXPANSION JOINTS OR PROPER LENGTHS OF WATERPROOF FLEXIBLE CONDUIT SHALL BE PROVIDED AT EACH BRIDGE EXPANSION JOINT AND WHEN GOING FROM BRIDGE SUPERSTRUCTURE TO SUBSTRUCTURE.
3. CONDUIT EXPANSION JOINTS SHALL BE PROVIDED IN WALLS AT EACH LOCATION WHERE CONDUIT PASSES THROUGH WALL EXPANSION JOINTS.
4. COST OF ACCESSORIES, SUCH AS EXPANSION JOINTS, PULL BOXES, CONDUITS, ETC., SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
5. FLEXIBLE CONDUIT SHALL CONSIST OF A GALVANIZED STEEL CORE AND A POLYVINYLCHLORIDE COVER, CONTAIN A CONTINUOUS COPPER GROUND, BE LIQUID TIGHT, AND HAVE UNDERWRITERS LABORATORIES' APPROVAL.
6. JUNCTION BOXES, UNDERNEATH BRIDGES, SHALL BE GALVANIZED WEATHERPROOF-TYPE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. WELDED CONSTRUCTION IS ACCEPTABLE. JUNCTION BOXES SHALL HAVE A BRACKET WELDED TO THE BOX FOR MOUNTING FUTURE CIRCUIT BREAKERS. MINIMUM SIZE OF JUNCTION BOX SHALL BE 12"x10"x8" DEEP.
7. A GASKETED REMOVABLE COVER PLATE SHALL BE INSTALLED OVER EACH OUTLET BOX.
8. CONDUITS ARE ALSO NOTED AS "DUCTS".

BRIDGE SHEET B-24 OF 44

BRIDGE NO. 3

APPROVED — PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

TYPICAL DECK SECTION
PHASES I, IV & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2 (41)256

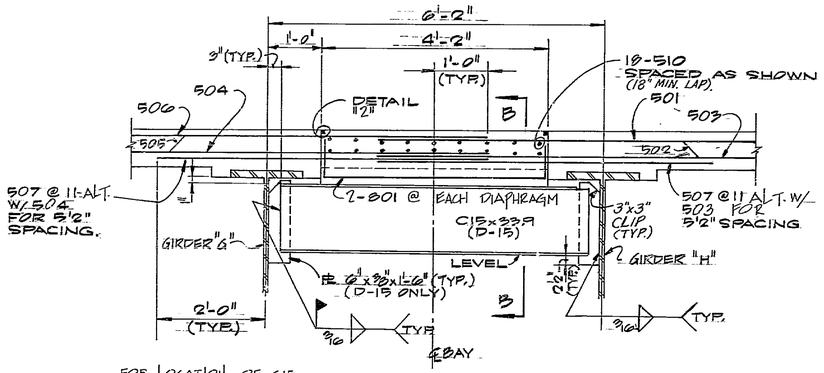
REVISIONS: SIDEWALK BAR SPACING

SCALE: AS SHOWN | DATE: AUG. 1979
CONSULTANT | HIGHWAY DIVISION
DESIGNED P.E. | CHECKED W.H.L. | REVIEWED
DRAWN J.W.D. & L.J. | REVIEWED E.R.P. | APPROVED

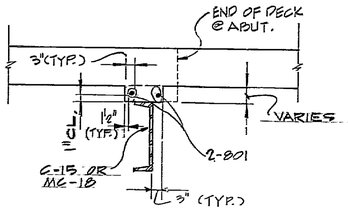
STATE AID PROJ NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		93	177

CT. 2

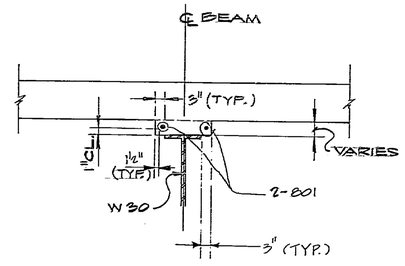
⚠ NOTE: IF THE CONTRACTOR ELECTS TO USE PRESTRESSED CONCRETE DECK PANELS OR PERMANENT STEEL DECK FORMS AT THE CENTER POUR, THE DEPT. WILL CONSIDER REVISED DETAILS SUBMITTED BY THE CONTRACTOR INCLUDING THE OMISSION OF THE 301 GIRTS AND A DIFFERENT STRUCTURAL SHAPE FOR THE CHANNEL.



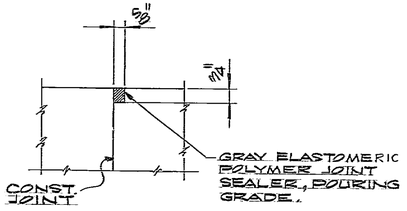
FOR LOCATION OF C15, SEE FRAMING PLAN AND DIAPHRAGMS, SHT. B-26.



SECTION B-B
(AT D-2, D-18 & D-15)
¾" = 1'-0"



SECTION B-B
(AT D-5 & D-8)
¾" = 1'-0"

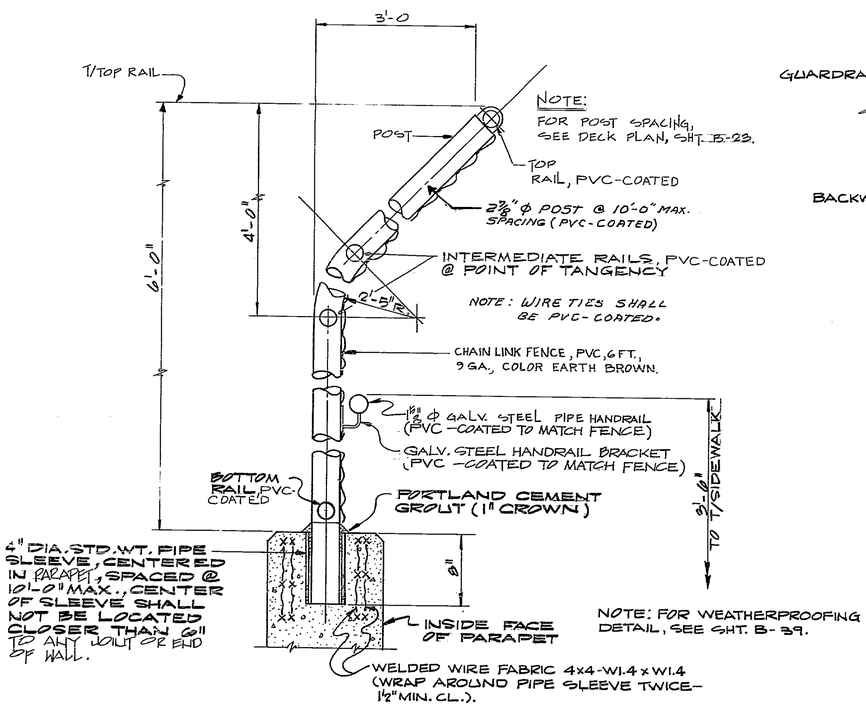


DETAIL "2"
3" = 1'-0"

CENTER POUR DETAILS

¾" = 1'-0"

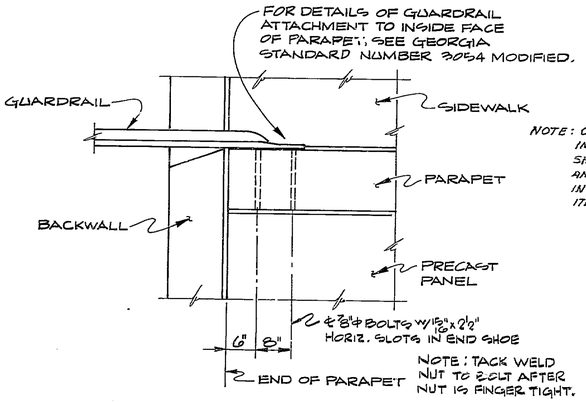
(1) B-25/B-24



NOTE: FOR WEATHERPROOFING DETAIL, SEE SHT. B-39.

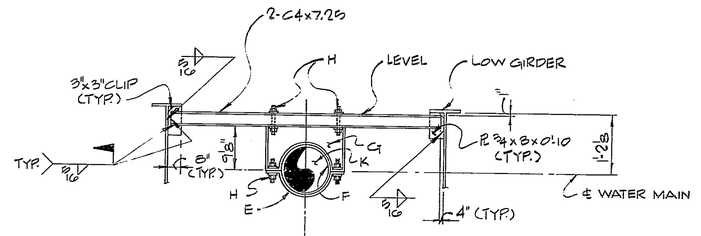
CHAIN-LINK FENCE DETAIL

1½" = 1'-0"



DETAIL (3) B-25/B-23
¾" = 1'-0

NOTE: COST OF FURNISHING AND INSTALLING THE SPECIAL END SHOE, PLATE, NUTS, WASHERS AND BOLTS SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.



E - PIPE STRAP (12"x3" FLAT IRON.)
F - ½" x 3" RUBBER CUSHION
G - PIPE CRADLE w/ ½" x 3" FLG.
H - ¾" ϕ NUTS, BOLTS & WASHERS.
K - 8" ϕ PIPE.

NOTES:

1. ERECTION BOLTS MAY BE USED AT CONTRACTOR'S OPTION.
2. CONTRACTOR SHALL FURNISH AND INSTALL ¾" GUSSET PLATES AND 4" CHANNELS. THE CONTRACTOR SHALL INSTALL THE PIPE, PIPE CRADLES AND STRAPS, THIMBLES, NUTS, BOLTS, WASHERS AND RUBBER CUSHION, ALL OF WHICH WILL BE FURNISHED BY THE WATER BUREAU.
3. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
4. FOR WELDING NOTES, SEE SHEET B-27.
5. FOR UTILITY NOTES, SEE SHEET B-24.

WATER MAIN HANGER DETAIL

NO SCALE

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI Exp. date

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

DECK DETAILS
PHASES I, IV, & VI

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE 4-6-71

CONSULTANT HIGHWAY DIVISION

DESIGNED P.Z. CHECKED W.H.I.
DRAWN W.J.D. REVIEWED F.R.P.
REVIEWED
APPROVED

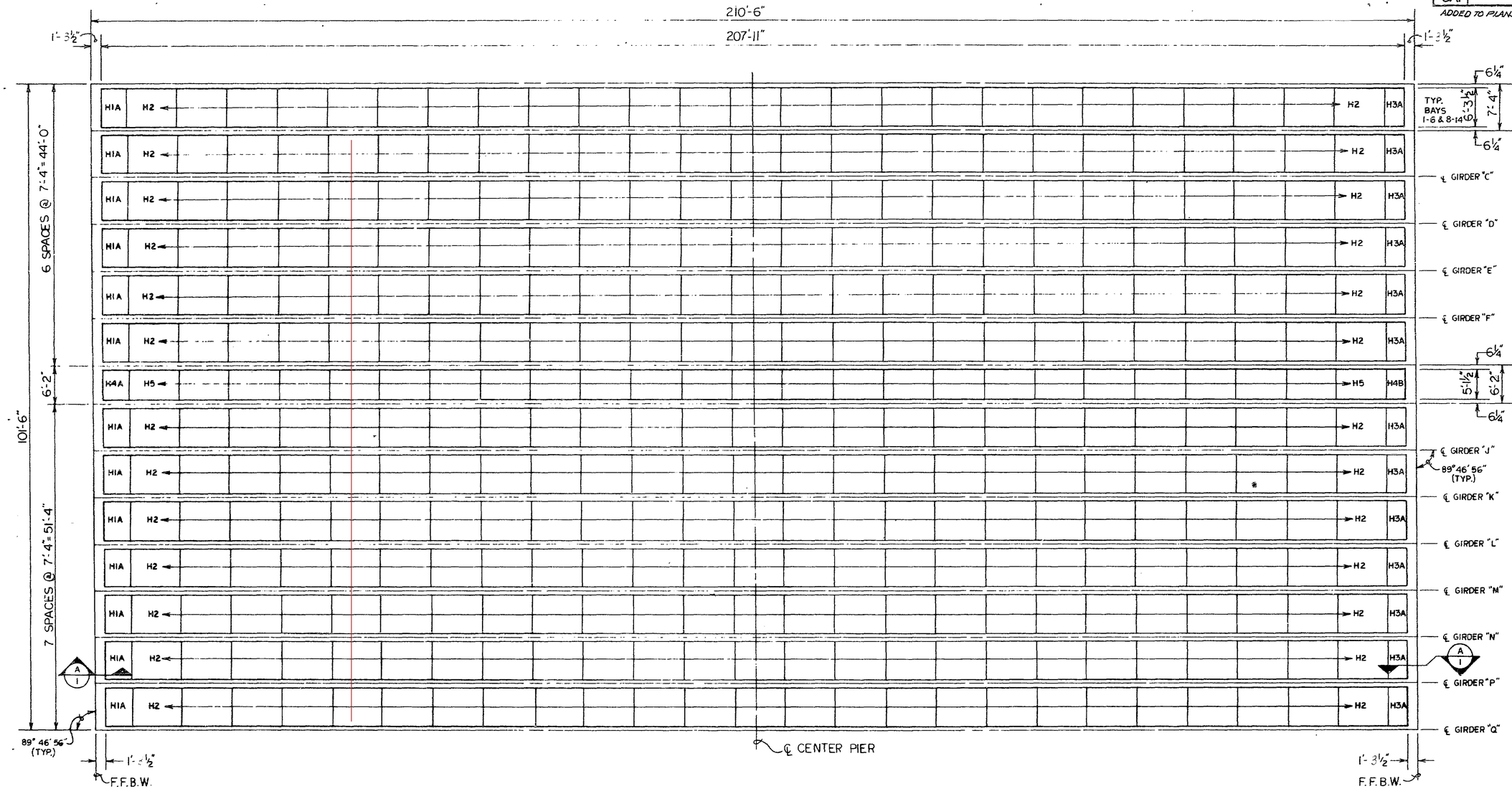
DATE	REVISIONS	BY
5-16-79	ADD & WATER MAIN HANGER	SLW
5-2-80		L.M.E.

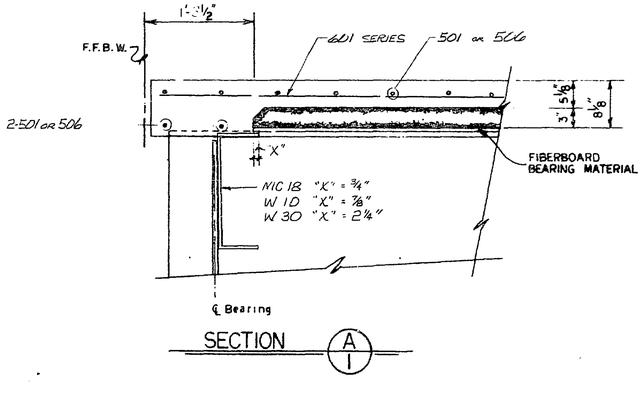
BRIDGE SHEET B-25 OF 44

TELEDYNE POST N56871

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	I-ID-MI-75-6(4)Ct.2	93A	177

ADDED TO PLANS 5-18-81





SECTION A/1

NOTE: MODIFY DIAPHRAGM D-13 SO THAT BOTTOM OF MC 18 FLANGE @ EA END SHALL MATCH BOTTOM OF GIRDER FLANGE, SEE SH. B-26 of 44 FOR DETAILS NOT SHOWN

NOTE: CONSTRUCTION SEQUENCE SHALL BE AS PER CONTRACT DRAWINGS. PANELS MAY BE PLACED AT ANY TIME PRIOR TO POURING.

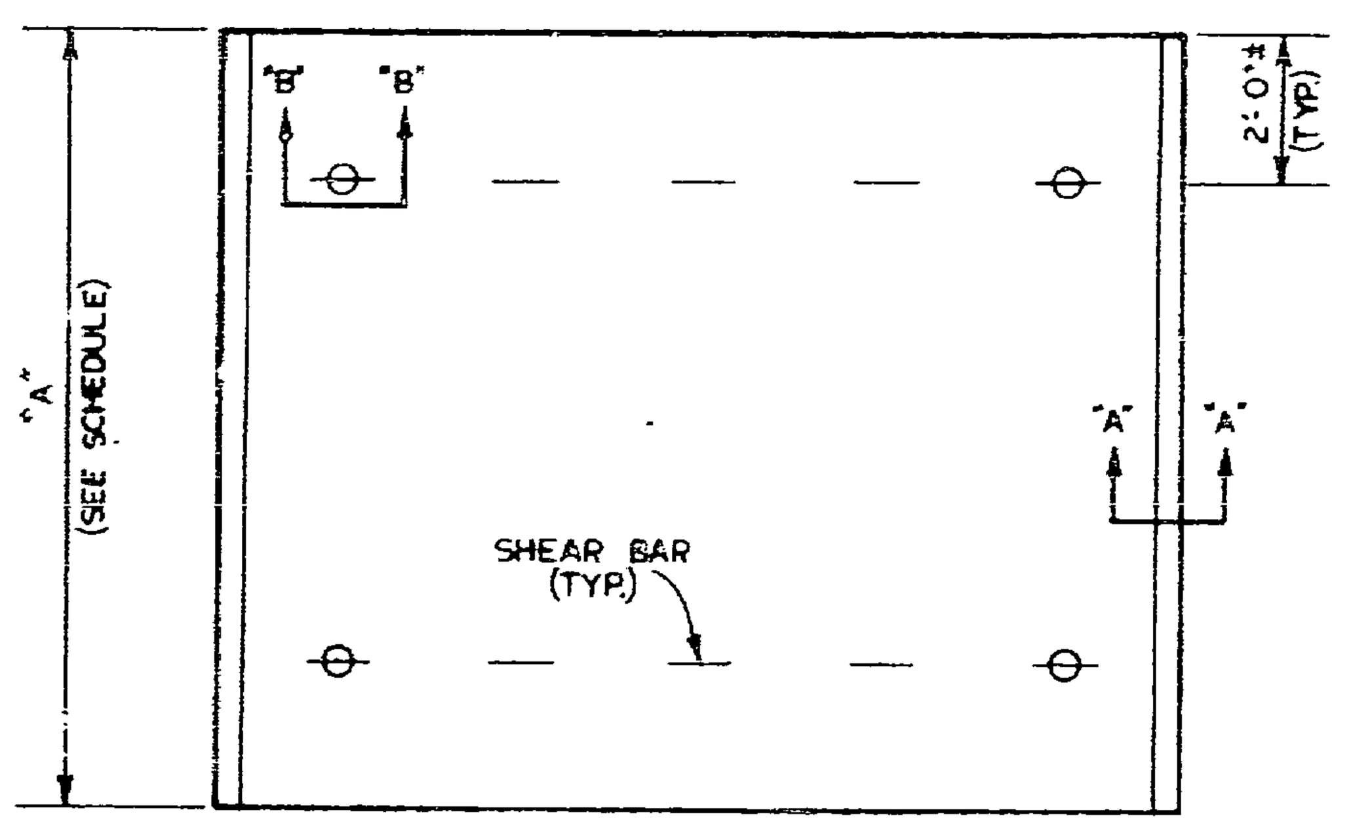
GEORGIA REGISTERED No. 4158 PROFESSIONAL ENGINEER OTIS POLK GUILLEBEAU, JR.

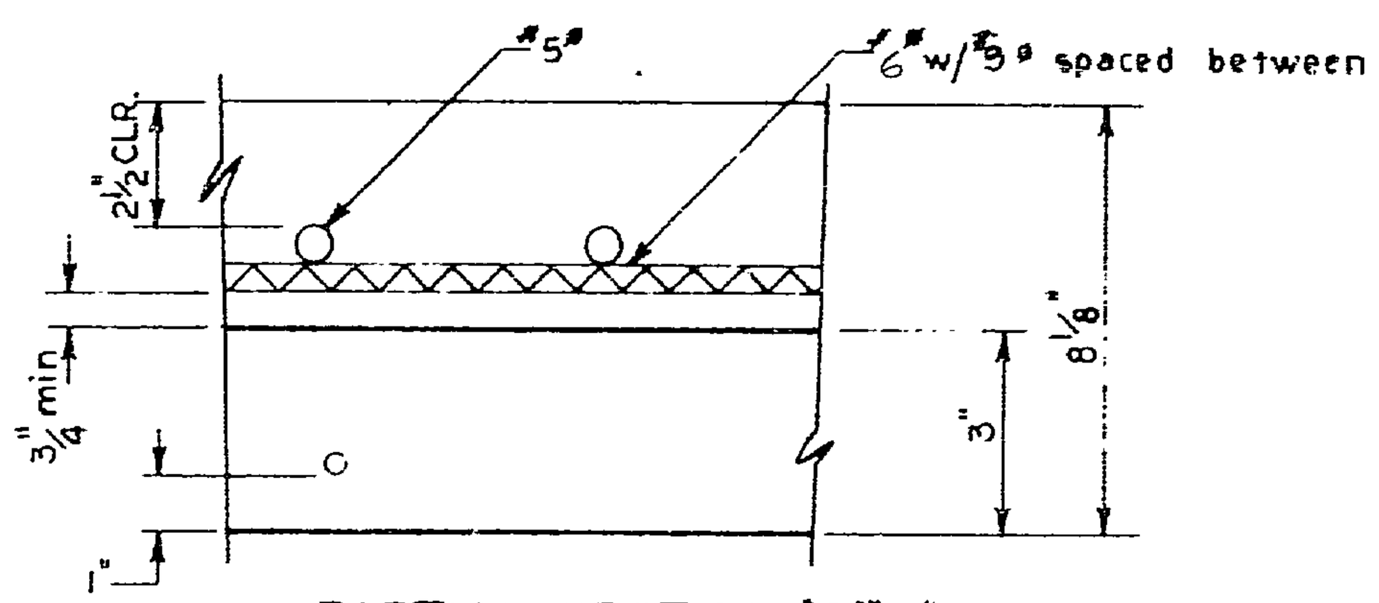
LEAP ASSOCIATES, INC.	
LAKELAND, FLORIDA	PHONE: 813-686-7141
for: IN-PLACE, CORP.	
TITUSVILLE, FLORIDA	PHONE: 305-267-7769
contractor:	SCALE N.T.S. / DRAWN BY R.L. KIDDEY / REVISED
TENTH STREET BRIDGE OVER I-75	
FULTON COUNTY GEORGIA	PROJECT # I-75-2(41)256
DATE 10/2/80 / APPROVED BY Dale M. Dixon	DRAWING NUMBER IPB211 1 OF 3

K-E ALBANENE @ 10 2485 ARCHITECTS' STANDARD FORM

MADE IN U.S.A.

81-1





PARTIAL SECTION "D"-"D"

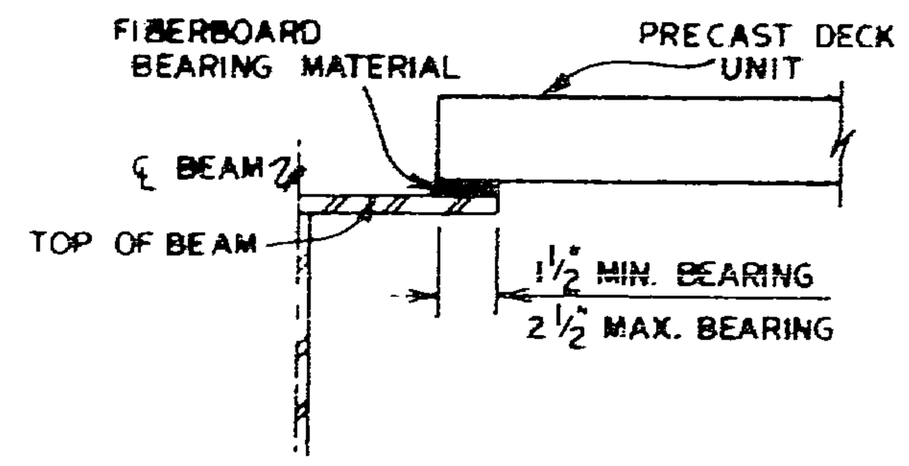
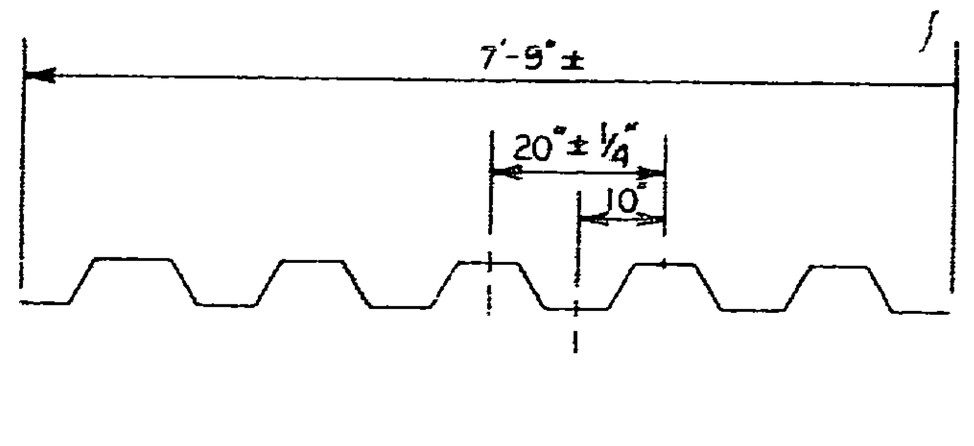


FIGURE 1



SHEAR BAR CYCLE DETAIL

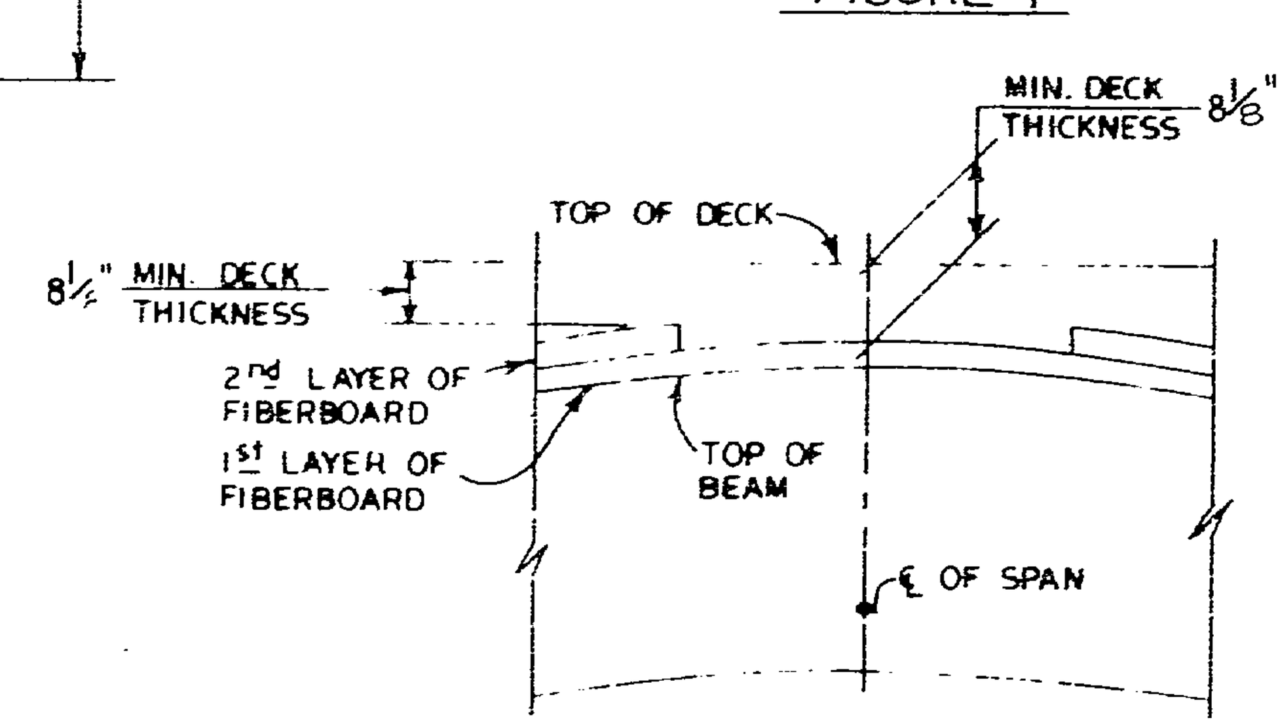
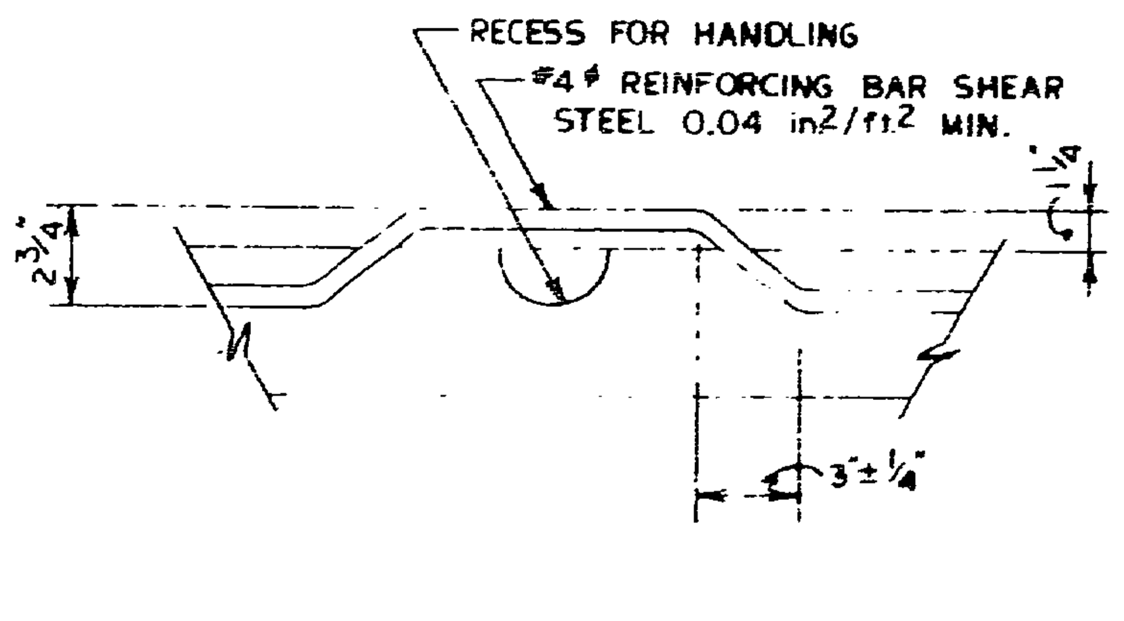
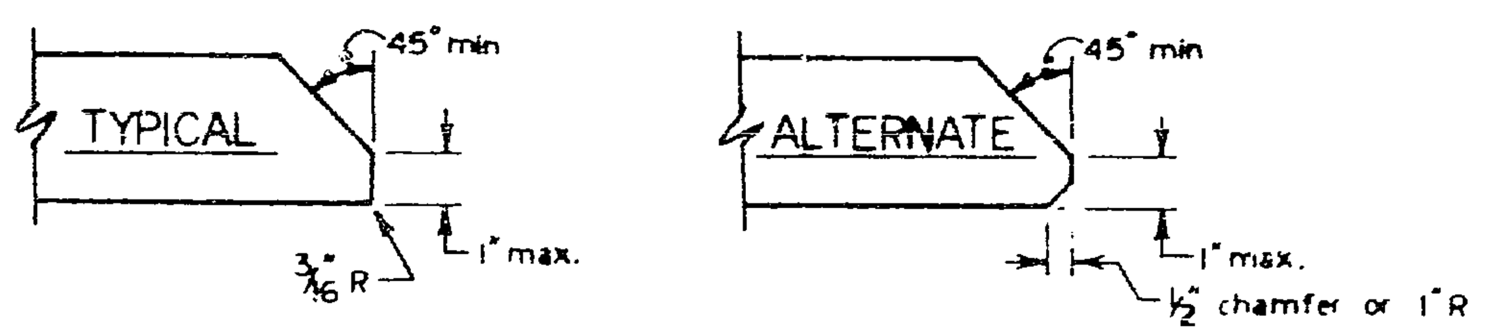


FIGURE 2



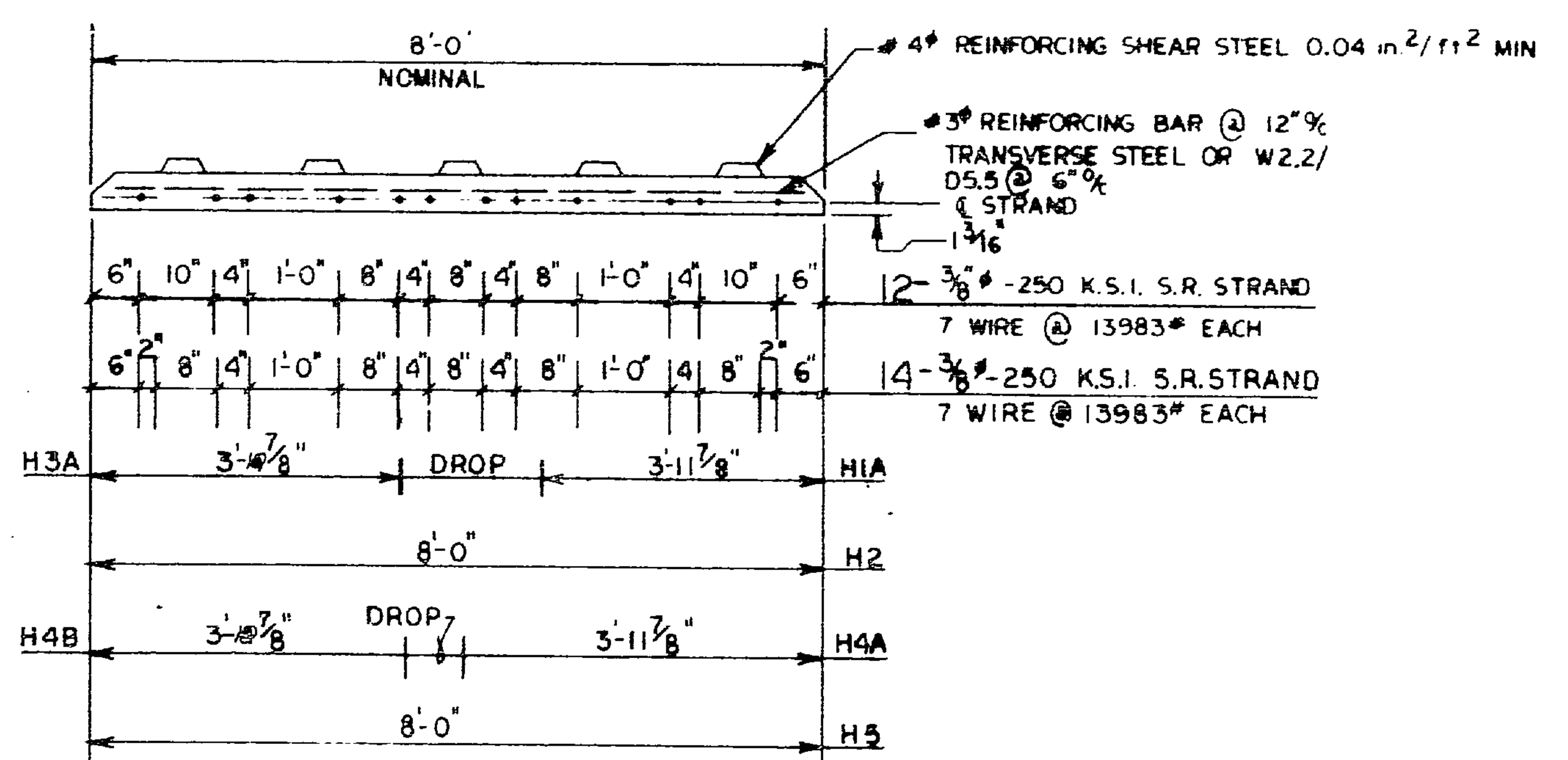
SECTION "B"-"B"

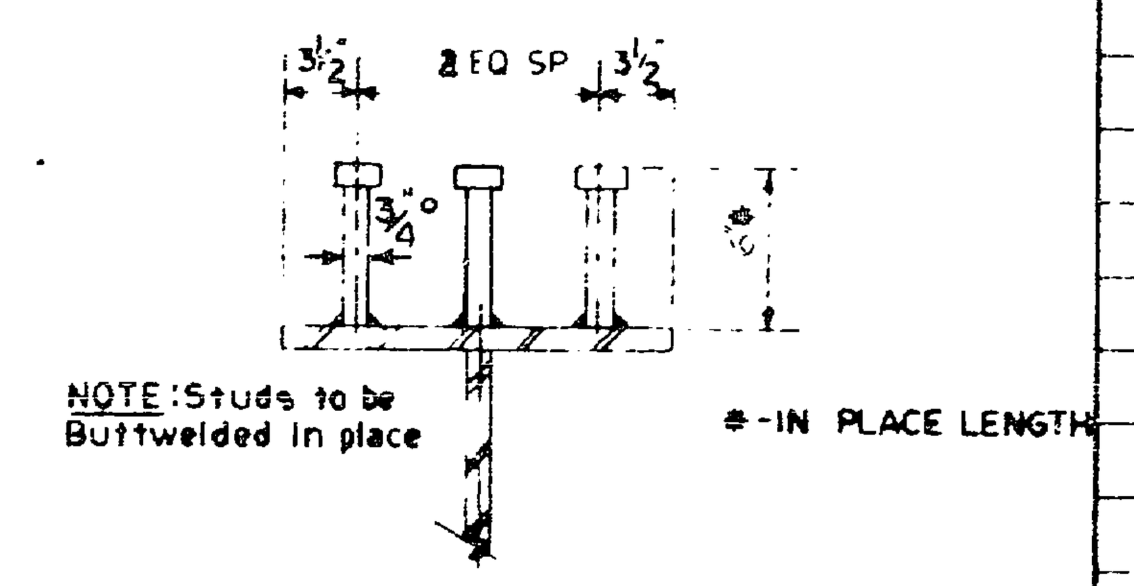
SHEAR BAR



SECTION "A"-"A"

EDGE DETAIL





MODIFIED

SHEAR STUD LOCATIONS

GENERAL NOTES

1. All precast prestressed concrete shall have a 28 day minimum compressive strength of 5,000 P.S.I.
   At transfer of load, cylinder strength shall be . . . . 4,000 P.S.I.
   All cast in place concrete shall be Class "A-A".

2. The top surface of the Precast Prestressed Composite Bridge Deck Units shall be rough and uniform in texture. SCORE TOP SURFACE TO A DEPTH OF ⅛".

3. Quantity of deck concrete and reinforcing steel paid for shall be plan quantity.

4. Bearing Material shall be 1/2" X 1 1/2" fiberboard, to run continuous under the slab bearing. Bearing Material shall have a maximum thickness of 1 1/2" or a minimum of 55 pound felt. Satisfactory bearing shall be provided at End Diaphragms of skewed bridges. (See Figure 1.)

5. All materials shall conform with project specifications and the applicable sections, D.O.T. Standards for Road and Bridge Construction, 1977, and in particular Section 865.

6. Mating surfaces shall be provided and joints between adjacent Precast Prestressed Composite Bridge Deck Units shall be sealed with sand and cement grout or a material approved by the engineer. Joints shall not deviate from a straight line by more than 1/8 inch in 10 feet.

7. Tolerances for Precast Prestressed Composite Bridge Deck Units:
   - * Nominal depth (+) 3/8" (-) 1/8"
   - * Strand vertical position (±) 1/8"
   - Strand horizontal position (±) 1/2"
   - Length of unit (±) 1/2"

   * From bottom of panel

8. Truss bars (transverse) in original deck system to be removed and replaced by straight bars, bar for bar, in top of mat. (Typical)

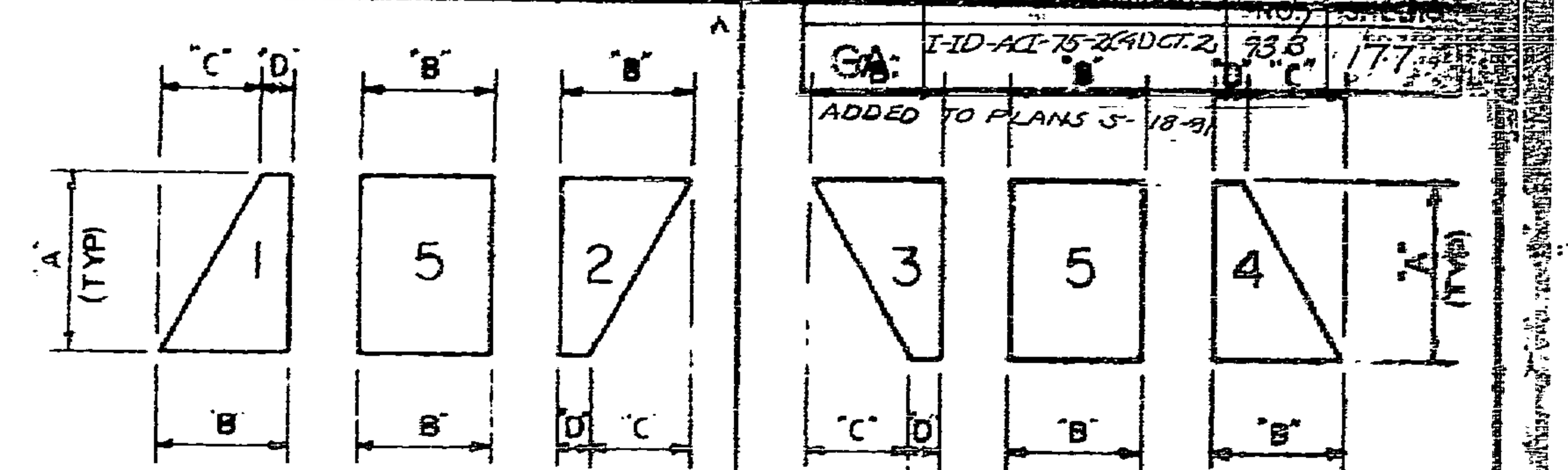
9. Profile Beams: If camber is different than plans adjust thickness of fiberboard. Maximum thickness of fiberboard to be 1 1/2". Fiberboard shall be set on an approved grout pad when necessary to achieve a depth greater than 1 1/2" so that the slab thickness conforms to the plan dimensions. Transitions in bearing thickness shall be accomplished with layers of 55# roofing felt, grout pads and fiber pads so placed as to control the bottom of slab profile so that it is parallel to the finished grade profile and the plan slab thickness is accomplished. Profile elevation will be relocated as required by composite construction. Adequate measures shall be taken to seal all contact surfaces between the Precast Prestressed Composite Bridge Deck Units and the supporting units. (See Figure 2.)

10. Narrow units that are less than 8'-0" in width are a proportion of the 8'-0" nominal unit and may be cut.

11. Membrane Curing Compound will not be used on the top of the Precast Prestressed Composite Bridge Deck Units.

12. If saw cut falls within strand area, strand will be chipped out and removed.

GEORGIA REGISTERED No. 4158 PROFESSIONAL ENGINEER OTIS POLK GUILLEBEAU, JR.



LEFT HAND SKEW

RIGHT HAND SKEW

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	I-IO-AKI-75-2(40)CT.2	33B	177

ADDED TO PLANS 3-18-81

PRECAST PANEL SCHEDULE

GENERAL				PANEL DIMENSIONS					
MARK	NO. REQD	TYPE	Strand Pattern	"A"	"B"	"C"	"D"	AREA	REMARKS
H1A	13	3	14	6'-3½	4'-0⅛	0'-0¼	3'-11⅞	25.19	
H2	325	5	14	6'-3½	8'-0	—	—	50.33	
H3A	13	4	14	6'-3½	3'-11⅛	0'-0¼	3'-10⅞	24.64	
H4A	1	3	12	5'-1½	4'-0⅛	0'-0¼	3'-11⅞	20.50	
H4B	1	4	12	5'-1½	3'-11⅛	0'-0¼	3'-10⅞	20.07	
H5	25	5	12	5'-1½	8'-0	—	—	41.00	SEE PANEL DETAILS SHT. 3
TOTAL	378						TOTAL	1802.83	

Net-to-Gross Factor: 1.18519

LEAP ASSOCIATES, INC.
LAKELAND, FLORIDA PHONE: 813-686-7149

for: IN PLACE CORP.
Titusville FLa Phone 305-267-7769

contractor:

SCALE N.T.S. DRAWN BY Bowman REVISED

— REVISIONS —

1	Date:	Approved by:
2	Date:	Approved by:
3	Date:	Approved by:

TENTH STREET BRIDGE OVER I-75
FULTON COUNTY GEORGIA PROJECT I-75-8(9) 256

DATE 2-13-81 APPROVED BY Dale M Durant DRAWING NUMBER IPB211 2 of 3

GA FLAT STEEL

MADE IN U.S.A.

K+E ALBANENE 10 14 3 ARCHITECTS STANDARD FORM RICKY

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	I-IO-ACI-75-2(41) CT.2	930	177

ADDED TO PLANS 5-18-81

NOTE: TO OBTAIN DEFLECTION DUE TO PLACEMENT OF STAY-IN-PLACE PANELS MULTIPLY DEFLECTION DUE TO SLAB & COPING BY 0.40. BEAM GRADES AND BEAM MARK-UPS SHALL BE DETERMINED BEFORE ANY PANELS ARE SET ON EACH BEAM.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 6158 OTIS POLK GUILLEBEAU, JR.

LEAP ASSOCIATES, INC.
LAKELAND, FLORIDA

for: IN - PLACE, CORP.
TITUSVILLE, FLORIDA

contractor:

SCALE N.T.S.

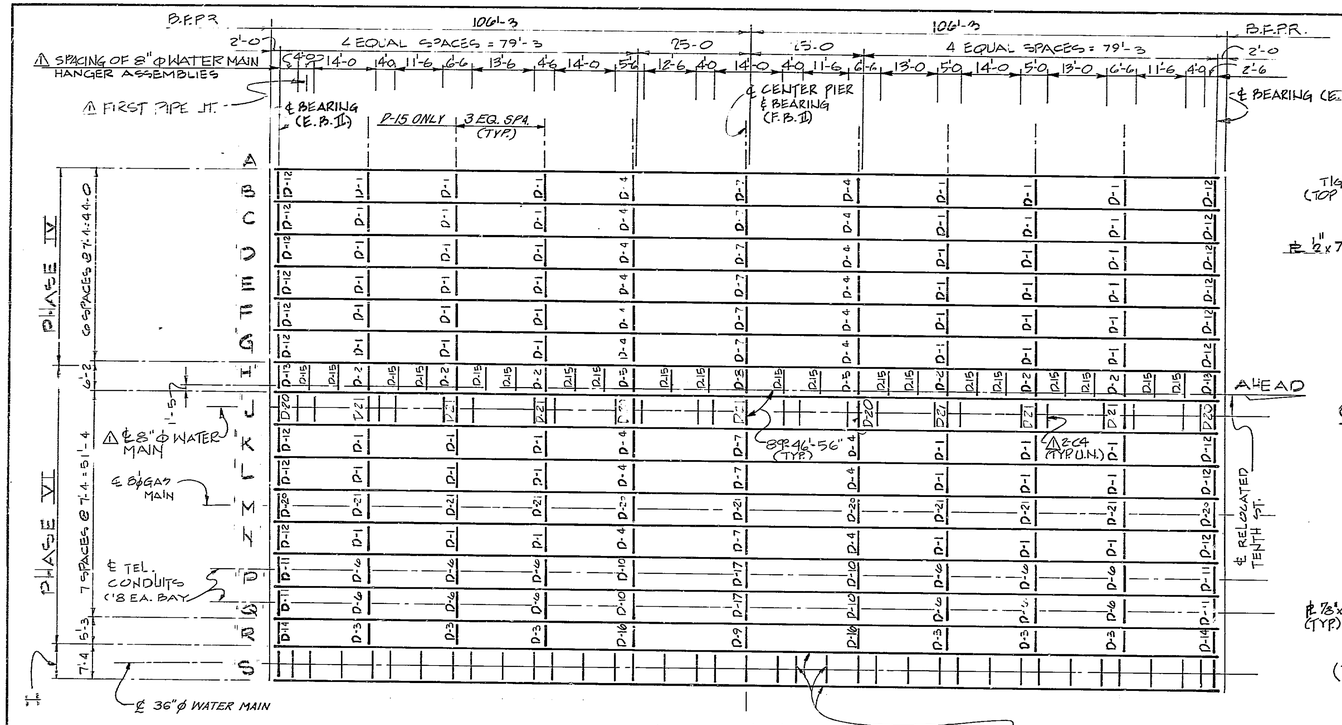
TENTH STREET BRIDGE OVER I-75
FULTON COUNTY, GEORGIA

DATE 10/3/80 APPROVED BY Dale M. Durst

K+E ALBANENE ARCHITECTS STANDARD FORM

STATE AID PROJ NO	FED ROAD DIV NO	STATE	FED. AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		94	177

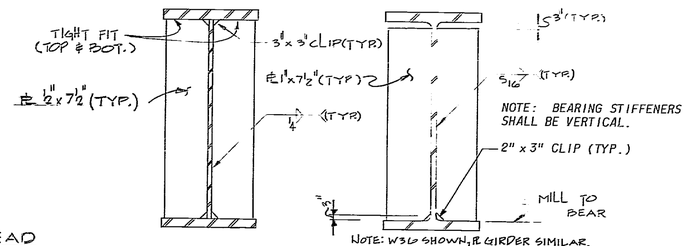
C.T. 2.



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

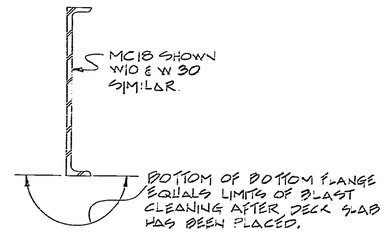
WATER MAIN SUPPORT FRAMING - PHASE I
SEE BRIDGE SHEETS B-18 & B-19.

NOTE: DIAPHRAGMS SHALL BE IN PLACE AND CONNECTIONS MADE, AS INDICATED, BEFORE SLAB IS CAST.

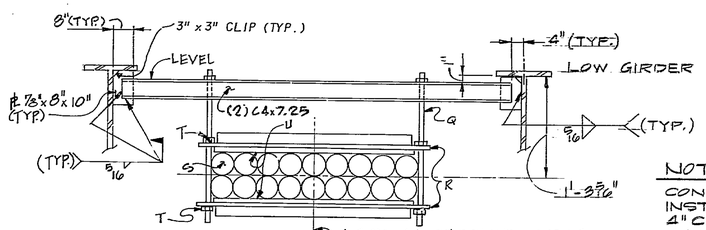


GUSSET PLATE DETAIL
D-4, D-5, D-10, D-16 & D-20
SCALE: 1" = 1'-0

BEARING STIFFENER DETAIL
SCALE: 1" = 1'-0



SECTION A-A
SCALE: 1½" = 1'-0



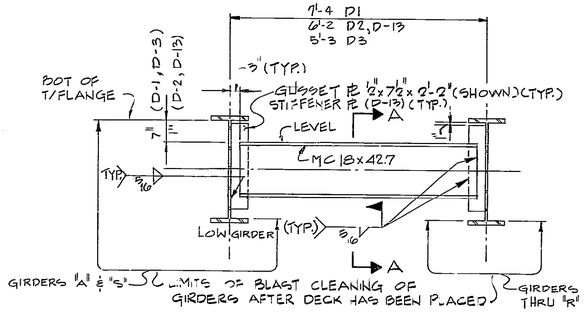
TYPICAL TELEPHONE CONDUIT HANGER ASSEMBLY DETAILS
NO SCALE

NOTE;
CONTRACTOR SHALL FURNISH AND INSTALL ⅞" GUSSET PLATES AND 4" CHANNELS, UTILITY OWNER WILL FURNISH AND INSTALL PLANKS, NUTS, WASHERS, BOLTS, ANGLES AND CONDUITS (SEE NOTES ON SHEET B-24.).

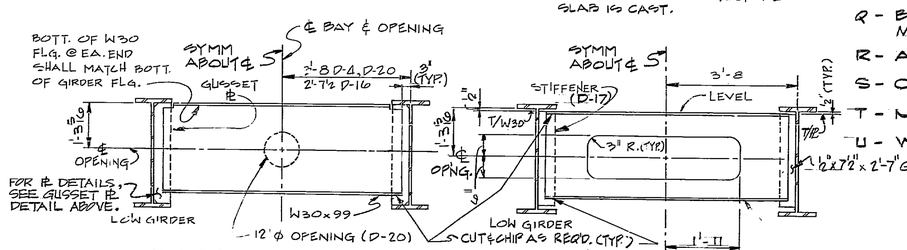
Q - BOLT, GALV. CORROSION-RESISTANT MACHINE ⅞" ϕ,
R - ANGLE (3 x 3 MIN.)
S - CONDUITS, 3½" I.D. ; 5" O.D. MAX.
T - NUT AND LOCKWASHER, ⅞" ϕ GALV.
U - WOOD PLANK, TOP AND BOT, PAINTED.

NOTES:

1. ERECTION BOLTS MAY BE USED AT CONTRACTOR'S OPTION.
2. FOR DIAPHRAGM D-15, SEE SHEET B-25.
3. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
4. FOR WELDING NOTES, SEE SHEET B-27.
5. DIAPHRAGMS, STIFFENERS & GUSSET PLATES SHALL BE PARALLEL TO CENTER PIER.
6. TELEPHONE CONDUIT AND GAS MAIN SUPPORTS ARE NOT SHOWN IN PLAN. FOR NUMBER AND SPACING OF SUPPORTS, SEE SHEET B-24.
7. FOR UTILITY NOTES, SEE SHEET B-24.



DIAPHRAGMS D-1, D-2, D-3 & D-13
SCALE: 1/2" = 1'-0

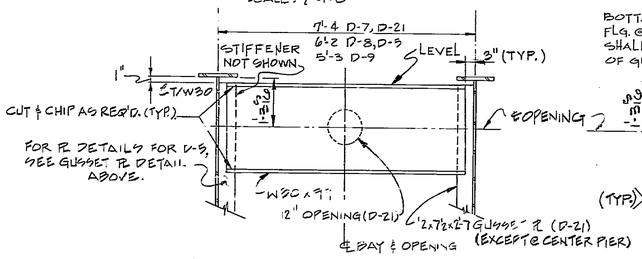


NOTE: FOR DETAILS NOT SHOWN, SEE DIAPHRAGM D-1.

DIAPHRAGMS D-4, D-16 & D-20
SCALE: 1/2" = 1'-0

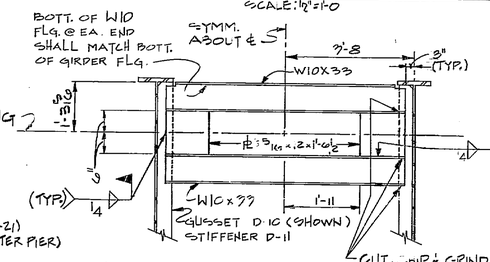
NOTE: FOR DETAILS NOT SHOWN, SEE DIAPHRAGM D-1.

DIAPHRAGMS D-6 & D-17
SCALE: 1/2" = 1'-0



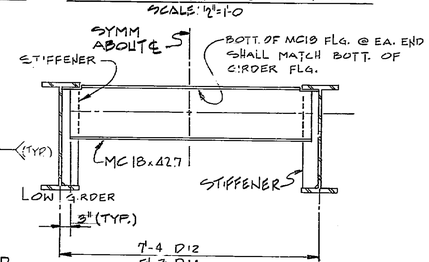
NOTE: FOR DETAILS NOT SHOWN, SEE DIAPHRAGM D-1.

DIAPHRAGMS D-5, D-7, D-8, D-9, D-21
SCALE: 1/2" = 1'-0



NOTE: FOR DETAILS NOT SHOWN, SEE DIAPHRAGM D-1.

DIAPHRAGMS D-10 & D-11
SCALE: 1/2" = 1'-0



NOTE: FOR DETAILS NOT SHOWN, SEE DIAPHRAGM D-1.

DIAPHRAGMS D-12 & D-14
SCALE: 1/2" = 1'-0

BRIDGE NO. 3

BRIDGE SHEET B-260F 44

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

FRAMING PLAN & DIAPHRAGMS
PHASES I, IV, & VI
TENTH STREET BRIDGE OVER I-75

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE: AUG., 1977

CONSULTANT

DESIGNED M.S. CHECKED WHI
DRAWN N.C.J. REVIEWED ERP

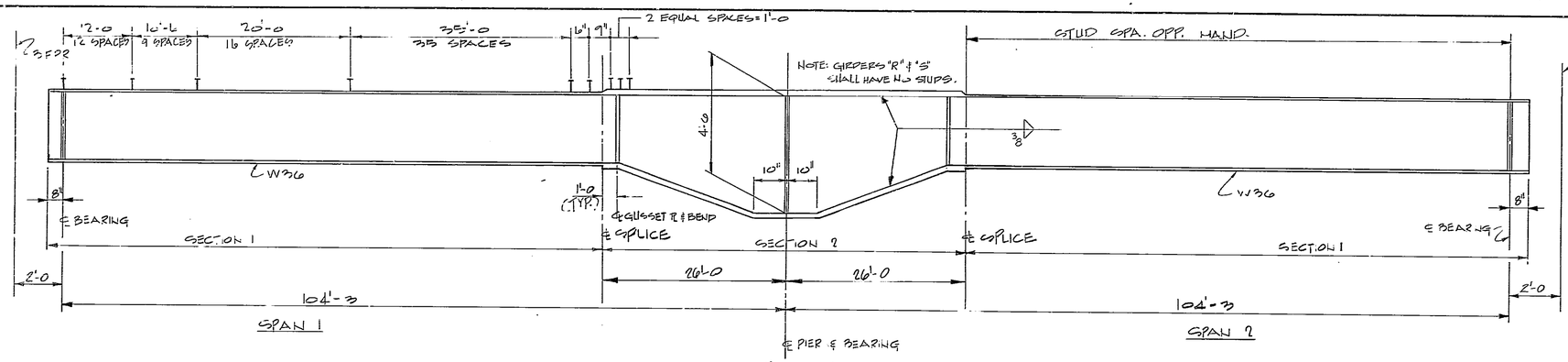
HIGHWAY DIVISION
REVIEWED
APPROVED

REVISIONS BY DATE

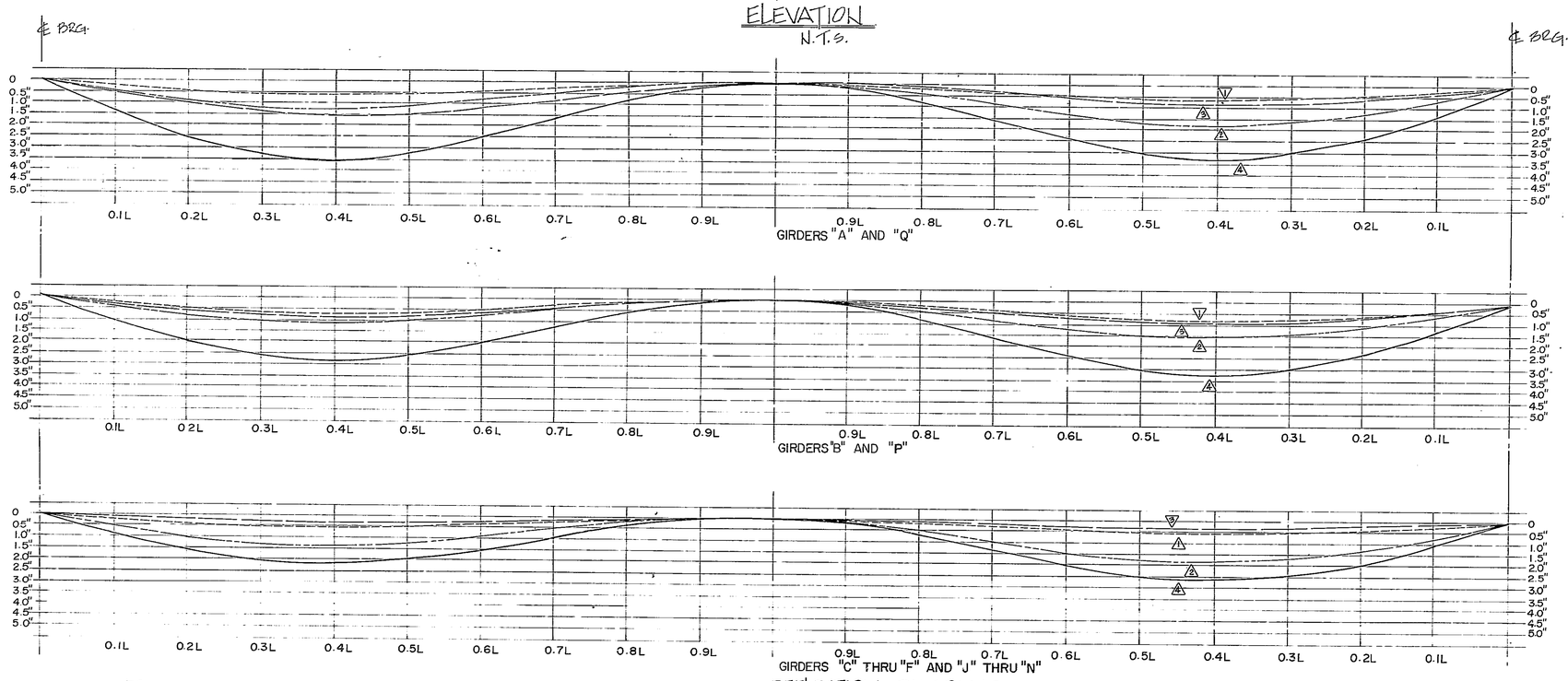
REGISTERED PROFESSIONAL ENGINEER No. 4253 STATE OF GEORGIA CHARLES ROBERT PRYBYLOWSKI

TELEDYNE FOST 1656871

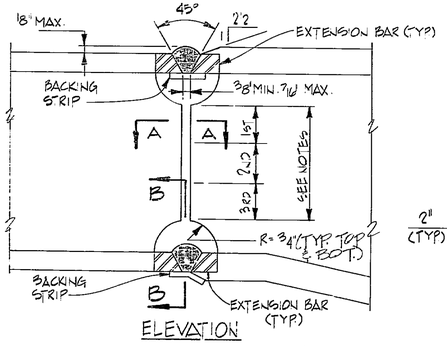
STATE AID PROJ NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 C.T. 2		95	177



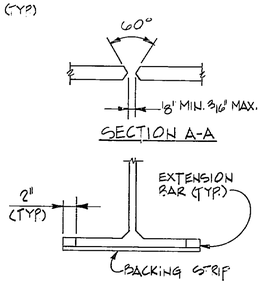
ELEVATION
N.T.S.



DEFLECTION DIAGRAMS



ELEVATION



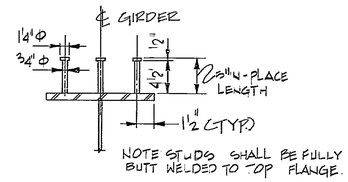
SECTION A-A

SECTION B-B

TYPICAL BUTT WELD SPLICE DETAILS - FIELD PROCEDURE

PREHEAT SCHEDULE	
TEMPERATURE	THICKNESS
NONE	UP TO 3/4"
50°F	3/4" TO 1 1/2" INCLUSIVE
150°F	OVER 1 1/2" TO 2 1/2"
225°F	OVER 2 1/2" TO 4"

NOTES:
1. WEB SHALL BE WELDED VERTICALLY UPWARD IN INCREMENTS AS SHOWN
2. FLANGES OR WEBS OF DIFFERENT THICKNESSES TO BE SPLICED SHALL BE PREPARED IN THE SHOP FOR A TRANSITION OF 1 IN 2 1/2.



NOTE STUDS SHALL BE FULLY BUTT WELDED TO TOP FLANGE.

TYPICAL SHEAR STUD CONNECTOR DETAIL
N.T.S.

TABLE 1 GIRDER SIZES				
GIRDER DESIGNATION	SECTION 1	SECTION 2		
		TOP FLG.	BOT. FLG.	WEB
"A", "Q"	W36x230	1 7/8" x 16 1/2"	1 7/8" x 16 1/2"	9/16"
"B", "P"	W36x200	2" x 16 1/2"	2" x 16 1/2"	9/16"
"C" THRU "N", "R", "S"	W36x230	1 7/8" x 16 1/2"	1 7/8" x 16 1/2"	9/16"

WELDING NOTES:

1. SEQUENCE OF WELDS: WEB FIRST, BOTTOM FLANGE SECOND, AND TOP FLANGE LAST. USE TWIN-ARC TECHNIQUE ON WEB AND BOTTOM FLANGE.
2. BACKING STRIPS AND EXTENSION BARS SHALL BE USED FOR WELDED SPLICES. BACKING STRIPS SHALL BE 1/4" x 1" x (FLANGE +4"). EXTENSION BARS SHALL BE 2" LONG, OF THE SAME THICKNESS AS THE SMALLER FLANGE, AND WITH THE SAME EDGE BEVEL AS THE FLANGE.
3. AFTER COMPLETION OF THE SPLICE, REMOVE THE EXTENSION BARS AND BACKING STRIPS; THEN GRIND BUTT SPLICE WELDS FOR WEBS AND FLANGES TO A SMOOTH FINISH. GRINDING SHALL BE ACCOMPLISHED IN THE DIRECTION OF THE GIRDER SPAN. GRIND FLUSH WITH BASE METAL.
4. CLEANING OF WELD AREA, AFTER WELDING, SHALL BE DONE IN ACCORDANCE WITH SPECIFICATIONS NOTED BELOW.
5. WORK SHALL BE PROTECTED FROM MOISTURE DURING WELDING AND AFTERWARDS UNTIL WELDED PARTS HAVE COOLED TO ATMOSPHERIC TEMPERATURE.
6. LEAVE WEB COPE HOLES OPEN.
7. FOR OTHER REQUIREMENTS AND INFORMATION CONCERNING WELDING, SEE THE SUPPLEMENTAL SPECIFICATIONS, SECTION 501-STEEL STRUCTURES, PARAGRAPH 501.05.
8. E80XX LOW-HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL-ARC WELDING OF A.S.T.M. A 588 STRUCTURAL STEEL.

(1) DEFLECTION DUE TO STRUCTURAL STEEL.
(2) DEFLECTION DUE TO SLAB & COPING.
(3) DEFLECTION DUE TO COMPOSITE DEAD LOAD (SIDEWALK, FENCE, UTILITIES, FUTURE WEARING SURFACE, PARAPET, & SIGNS)
(4) TOTAL DEAD LOAD DEFLECTION.

NOTE: FOR GIRDER ELEV., SEE SHEET B-27.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

GIRDER DETAILS

PHASES I, IV, & VI

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE AUG., 1979

CONSULTANT HIGHWAY DIVISION

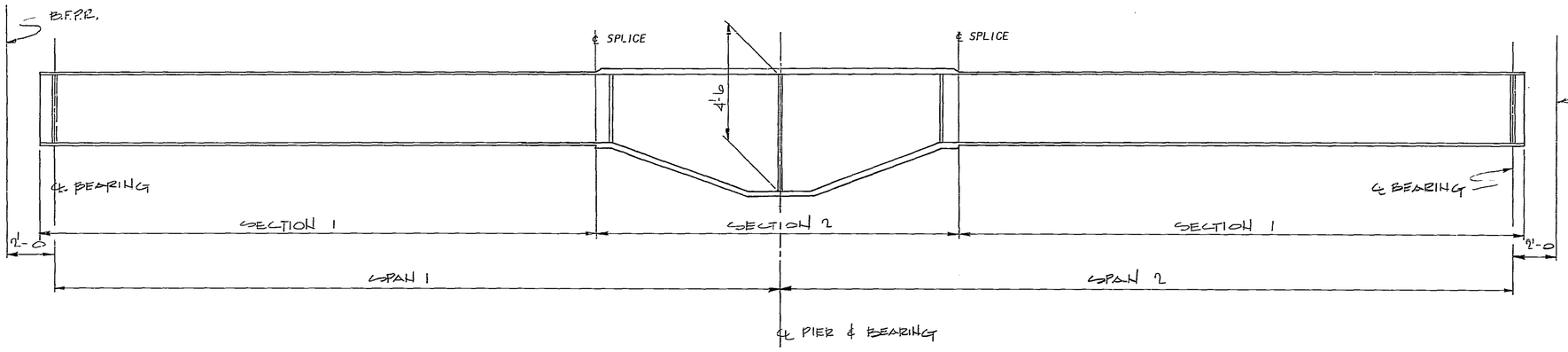
DESIGNED M.S. CHECKED W.H.L.
DRAWN M.C.J. REVIEWED F.R.F.
REVIEWED
APPROVED

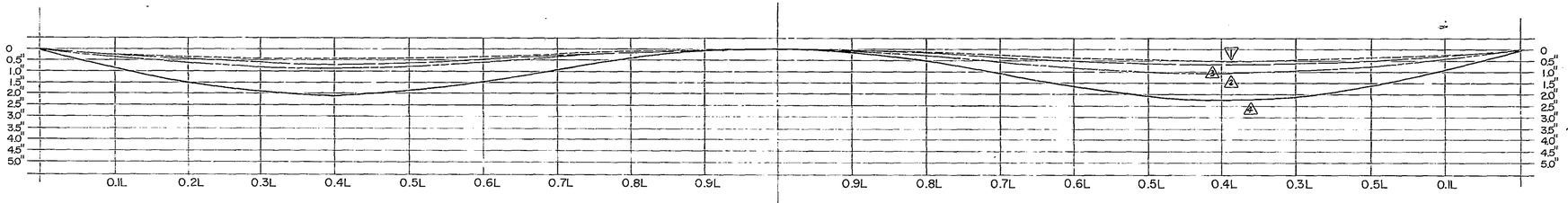
DATE BY REVISIONS

BRIDGE SHEET B-27 OF 44

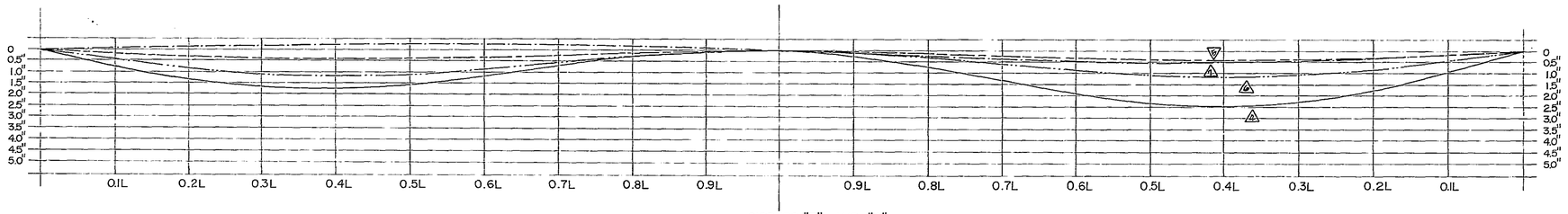
STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		96	177

CT. 2





GIRDER "G" AND "H"



GIRDERS "R" AND "S"

DEFLECTION DIAGRAMS

STRUCTURAL STEEL NOTES:

1. *STRUCTURAL STEEL SHALL BE A S T M A 588, GRADE 50 WEATHERING, UNLESS NOTED OTHERWISE.*
2. *WEBS AND FLANGES OF PLATE GIRDERS AND WIDE-FLANGE BEAMS IN PERMANENT SPANS AND WIDE-FLANGE BEAMS IN TEMPORARY SPANS ARE MAIN LOAD-CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS AND SHALL MEET THE CHARPY V-NOTCH TEST REQUIREMENTS OF THE STANDARD SPECS.*
3. *SHEAR CONNECTOR STUDS AND ERECTION BOLTS MAY BE A.S.T.M. A 36 STRUCTURAL STEEL. HIGH STRENGTH BOLTS SHALL BE A.S.T.M. A 325, TYPE 3, UNLESS NOTED.*
4. *HANDLING CORROSION-RESISTANT STEEL: CARE SHALL BE TAKEN TO KEEP THE MATERIALS CLEAN & UNDAMAGED DURING FABRICATION, TRANSPORTING, STORING, ERECTION, AND CONSTRUCTION OF THE BRIDGE. SINCE THE STRUCTURAL STEEL WILL NOT BE PAINTED, EXPOSED SURFACES MUST BE KEPT FREE FROM GREASE, OIL, CHALK MARKS, PAINT, CONCRETE SPLATTER, AND SIMILAR SOILAGE. USE OF ACIDS FOR CLEANING WILL NOT BE PERMITTED.*
5. *ALL METAL SURFACES (ANGLES, PLATES, GIRDERS, ETC.) SHALL BE THOROUGHLY SHOP-CLEANED IN ACCORDANCE WITH SECTION 14-PAINTING-METAL STRUCTURES, PARAGRAPH 2.14.10-CLEANING OF SURFACES, A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, USING METHOD B. THE EXTENT OF THE CLEANING SHALL BE SSPC-SP6 COMMERCIAL BLAST-CLEANING. STRUCTURAL STEEL SHALL NOT BE PAINTED.*
6. *BLAST-CLEANING OF GIRDERS "A" AND "S": AS A FINAL OPERATION AFTER THE DECK HAS BEEN PLACED, BLAST-CLEAN OUTSIDE WEB AND OUTSIDE STIFFENER SURFACES, TOP SURFACE OF OUTER LEG OF BOTTOM FLANGE, BOTTOM SURFACE AND SIDES OF BOTTOM FLANGE, AND BOTTOM SURFACE OF THE OUTER LEG OF THE TOP FLANGE OF EACH GIRDER.*
7. *BLAST-CLEANING OF GIRDERS "B" THRU "R": AS A FINAL OPERATION AFTER THE DECK HAS BEEN PLACED, BLAST-CLEAN BOTTOM SURFACE AND SIDES OF BOTTOM FLANGE OF EACH GIRDER AND THE BOTTOM SURFACES OF DIAPHRAGM BOTTOM FLANGES.*
8. *PAYMENT. PAYMENT FOR BLAST-CLEANING SHALL BE INCLUDED IN LUMP PAYMENT FOR STRUCTURAL STEEL.*

1 DEFLECTION DUE TO STRUCTURAL STEEL
2 DEFLECTION DUE TO SLAB & COPING
3 DEFLECTION DUE TO COMPOSITE DEAD LOAD (SIDEWALK, UTILITIES, FUTURE WEARING SURFACE, FENCE, PARAPET & SIGNS)
4 TOTAL DEAD LOAD DEFLECTION.
5 DEFLECTION DUE TO WATER OR BEAM
6 DEFLECTION DUE TO PIPE, CONCRETE, & BRACING
7 DEFLECTION DUE TO EXPRESSWAY SIGNS

REGISTERED — No. 425 — PROFESSIONAL — Expires — ENGINEER — FRANK GRAVINO, ROBERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

DATE
REVISIONS
BY

GIRDER DEFLECTION DIAGRAMS

PHASES I, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

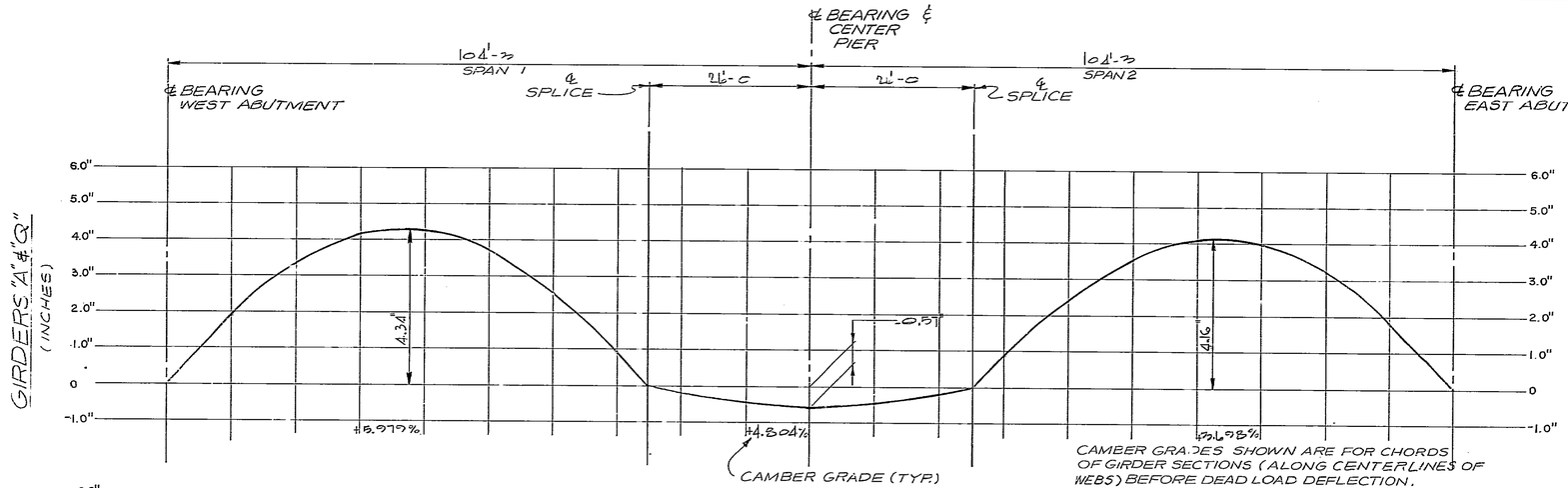
SCALE: AS SHOWN DATE: AUG. 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED M.G. CHECKED W.H.L. REVIEWED
DRAWN N.C.J. REVIEWED E.R.P. APPROVED

BRIDGE SHEET B-280F 44

STATE AID PROJ. NO.	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)-256 CT. 2		97	177



CAMBER GRADES SHOWN ARE FOR CHORDS OF GIRDER SECTIONS (ALONG CENTERLINES OF WEBS) BEFORE DEAD LOAD DEFLECTION.

GIRDER CAMBER DIAGRAMS - SEE NOTE "A", SHT. B-30

VERTICAL CURVE DIAGRAM FOR GIRDERS

TABLE OF GIRDER ELEVATIONS

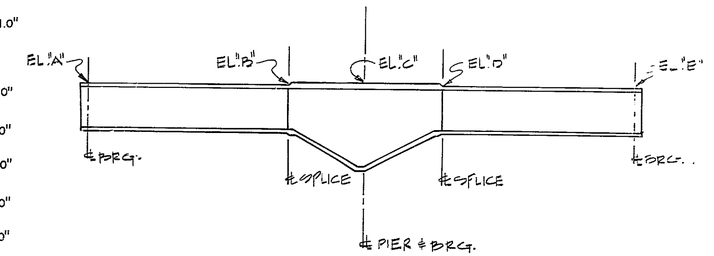
LOCATION	EL. A	EL. B	EL. C	EL. D	EL. E
GIRDER "A"	926.21	930.78	932.14	933.30	936.29
GIRDER "B"	926.23	930.80	932.16	933.31	936.30
GIRDER "C"	926.36	930.93	932.27	933.44	936.43
GIRDER "D"	926.47	931.05	932.39	933.56	936.55
GIRDER "E"	926.59	931.16	932.50	933.68	936.66
GIRDER "F"	926.71	931.28	932.62	933.79	936.78
GIRDER "G"	926.82	931.40	932.73	933.91	936.89
GIRDER "H"	926.87	931.44	932.78	933.95	936.94
GIRDER "J"	926.76	931.34	932.67	933.85	936.83
GIRDER "K"	926.65	931.22	932.56	933.73	936.72
GIRDER "L"	926.54	931.11	932.45	933.62	936.61
GIRDER "M"	926.43	931.00	932.34	933.51	936.49
GIRDER "N"	926.31	930.88	932.22	933.39	936.38
GIRDER "P"	926.24	930.81	932.16	933.32	936.30
GIRDER "Q"	926.23	930.80	932.16	933.31	936.30
GIRDER "R"	926.24	930.81	932.14	933.32	936.30
GIRDER "S"	926.24	930.81	932.15	933.32	936.30

ELEVATIONS SHOWN AT TOPS OF GIRDERS ARE FINAL ELEVATIONS FOR DEFLECTED GIRDERS AFTER FULL DEAD LOADS ARE APPLIED.

NOTES: 1. FOR DEAD LOAD DEFLECTION DIAGRAMS, SEE BRIDGE SHT. B-30.

2. GIRDER CAMBER EQUALS ALGEBRAIC SUM OF VERTICAL CURVE AND TOTAL DEAD LOAD DEFLECTION.

3. FOR LOCATIONS OF GIRDER ELEVATIONS, SEE BELOW.



GIRDER ELEVATIONS

N.T.S.

GEORGIA REGISTERED No. 4265 PROFESSIONAL ENGINEER HAROLD ROBERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

GIRDER CAMBER DIAGRAMS - SHT. 1

PHASES I, IV, & VI

TENTH STREET BRIDGE OVER I-75

STA 13+93.75 TO STA 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE

CONSULTANT HIGHWAY DIVISION

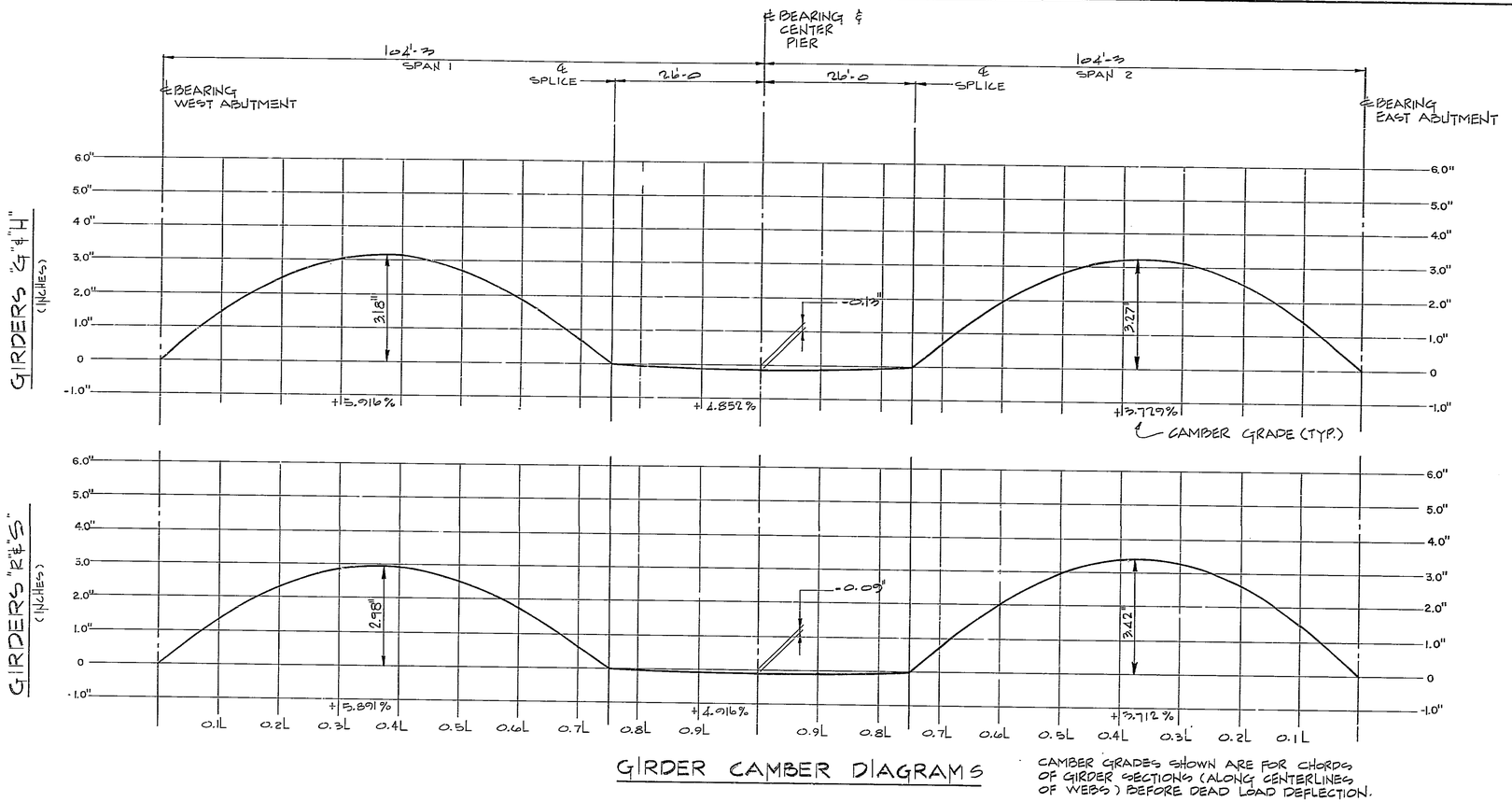
DESIGNED M.G. CHECKED W.H.L. REVIEWED _____

DRAWN J.W.D. REVIEWED E.R.P. APPROVED _____

DATE / REVISIONS / BY

BRIDGE SHEET B-29 OF 44

STATE AID PROJ. NO.	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 CT. 2		98	177



GIRDER CAMBER DIAGRAMS

CAMBER GRADES SHOWN ARE FOR CHORDS OF GIRDER SECTIONS (ALONG CENTERLINES OF WEBS) BEFORE DEAD LOAD DEFLECTION.

NOTE "A":

PRESTRESSED CONCRETE DECK PANELS-IF THE CONTRACTOR ELECTS TO USE PRESTRESSED DECK PANELS AT THIS SITE HE SHALL RECALCULATE THE BEAM STRESSES, BEAM DEFLECTIONS, BEAM CAMBER AND BEAM GRADES, IF REQUIRED, DUE TO CHANGES IN SLAB TO ACCOMMODATE THE USE OF PRESTRESSED DECK PANELS. THIS WORK SHALL BE DONE USING THE D.O.T. COMPUTER. DETAILED PLANS AND CALCULATIONS SHALL BE SUBMITTED FOR APPROVAL. WORK SHALL BE PERFORMED BY AN ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SHALL BEAR HIS STAMP. SEE SPECIAL PROVISION.

NOTE:

FOR ELEVATIONS OF TOPS OF GIRDERS AND NOTES, SEE SHEET B-29.

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANK R. DUGGERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

GIRDER CAMBER DIAGRAMS - SHT. 2
PHASES I, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE NONE DATE: A/C '.979

CONSULTANT HIGHWAY DIVISION

DESIGNED M.S. CHECKED W.H.L.
DRAWN T.J. & J.D. REVIEWED FRP
REVIEWED _____
APPROVED _____

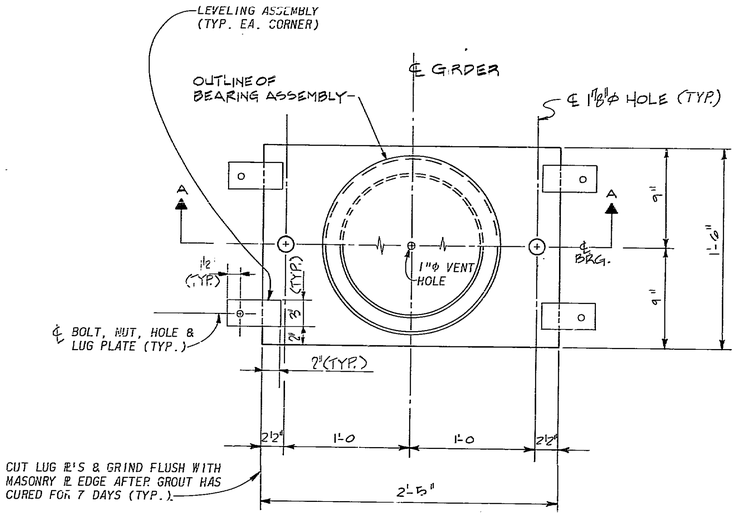
DATE / REVISIONS / BY

BRIDGE SHEET B-30 OF 44

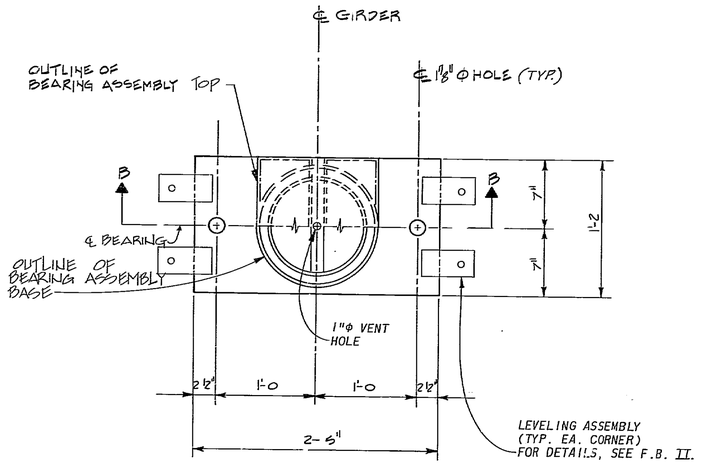
TELEDYNE POST N56871

STATE AID PROJ. NO.	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		99	177

CT. 2



PLAN - MASONRY PLATE



PLAN - MASONRY PLATE

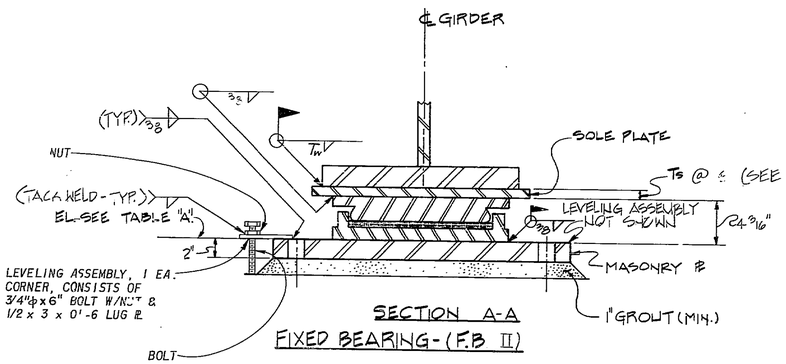
NOTES:

1. FIXED POT BEARINGS (F.B. II AT THE CENTER PIER) SHALL HAVE A MINIMUM VERTICAL LOAD CAPACITY OF 450 KIPS.
2. EXPANSION POT BEARINGS (E.B. II AT THE EAST AND WEST ABUTMENTS) SHALL HAVE A MINIMUM VERTICAL LOAD CAPACITY OF 150 KIPS.
3. ANCHOR BOLTS SHALL BE 1 1/2" Φ x 1'-5, SLEDGED AND SET 15" INTO CONCRETE, WITH 3"Φ x 1/4" CUT WASHERS AND STANDARD HEX NUTS, AND SHALL BE A.S.T.M. A 36 STRUCTURAL STEEL.
4. IF POT BEARINGS HAVING DIFFERENT THICKNESSES ARE USED, THE ELEVATIONS OF THE TOPS OF MASONRY PLATES (AND CONCRETE GIRDER SEATS, IF REQUIRED) SHALL BE ADJUSTED ACCORDINGLY.
5. FOR STRUCTURAL STEEL NOTES, SEE SHEET B-28.
6. FOR WELDING NOTES, SEE SHEET B-27.
7. SLOPE TOP OF SOLE PLATE TO FIT BOTTOM OF PLATE GIRDER. FOR CAMBER GRADES, SEE SHEETS B-29 & B-30.
9. BEARINGS SHALL BE FROM THE SAME MANUFACTURER, WHICH SHALL BE ONE OF THE FOLLOWING:

   THE FLUOROCARBON COMPANY OR
   CON-SERV INCORPORATED OR
   THE DIXON CORPORATION.

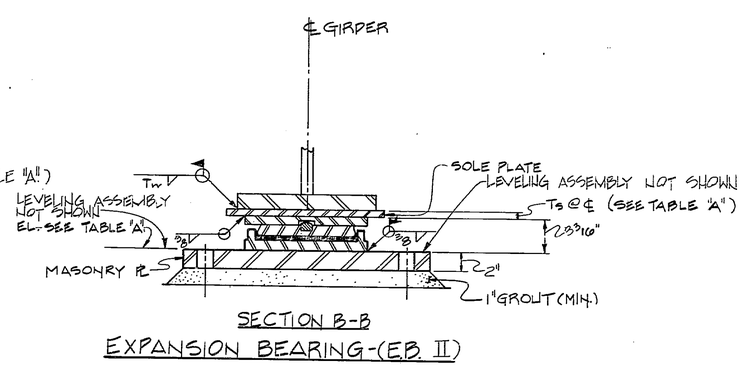
TABLE "A" (SEE NOTES 4 & 7.)

GIRDER	T/MASONRY PL ELEVATIONS AND SOLE PL THICKNESSES					
	WEST ABUT		CENTER PIER		EAST ABUT.	
	EL.	T_S	EL.	T_S	EL.	T_S
"A"	922.80	1 9/16"	926.41	1 5/8"	932.88	1 19/16"
"B"	922.84	1 9/16"	926.84	1 1/2"	932.88	1 9/16"
"C"	922.87	1 1/2"	927.02	1 1/2"	933.05	1 1/2"
"D"	923.03	1 9/16"	927.13	1 9/16"	933.16	1 9/16"
"E"	923.20	1 1/2"	927.25	1 1/2"	933.28	1 1/2"
"F"	923.31	1 5/8"	927.36	1 9/16"	933.39	1 9/16"
"G"	923.43	1 9/16"	927.48	1 9/16"	933.51	1 1/2"
"H"	923.47	1 5/8"	927.52	1 9/16"	933.55	1 9/16"
"J"	923.37	1 9/16"	927.42	1 9/16"	933.45	1 1/2"
"K"	923.26	1 9/16"	927.31	1 1/2"	933.33	1 9/16"
"L"	923.15	1 1/2"	927.19	1 9/16"	933.22	1 9/16"
"M"	923.03	1 9/16"	927.08	1 9/16"	933.11	1 1/2"
"N"	922.92	1 9/16"	926.97	1 1/2"	932.99	1 9/16"
"P"	922.80	1 3/4"	926.84	1 5/8"	932.87	1 3/4"
"Q"	922.84	1 9/16"	926.84	1 5/8"	932.91	1 9/16"
"R"	922.84	1 5/8"	926.89	1 9/16"	932.91	1 9/16"
"S"	922.84	1 5/8"	926.89	1 9/16"	932.91	1 5/8"



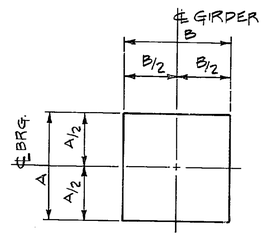
SECTION A-A

FIXED BEARING - (F.B II)



SECTION B-B

EXPANSION BEARING - (E.B. II)



PLAN - SOLE PLATE

NOTE: FOR SOLE PLATE LETTERED DIMENSIONS AND WELDS TO GIRDER FLANGES, SEE TABLE "B".

TABLE "B"

SOLE PL LOCATION	A	B	Tw
E.B. II (WEST ABUT.)	1'-1	1'-6	3/8"
E.B. II (CENTER PIER)	1'-6	1'-6	3/8"
E.B. II (EAST ABUT.)	1'-1	1'-6	3/8"

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

BEARING ASSEMBLIES
PHASES I, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE: NONE
DATE: AUG. 1979

CONSULTANT
DESIGNED L.M.G
DRAWN
CHECKED W.H.L.
REVIEWED F.R.P

HIGHWAY DIVISION
REVIEWED
APPROVED

DATE / BY / REVISIONS

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI Expires

BRIDGE SHEET B-31 OF 34

TELEDYNE POST N56871

STATE AID PROJ. NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		100	177

PLAN - WEST ABUTMENT

N.T.S.

NOTE: FOR ADD'L. CLOSURE WALL DIMENSIONS, SEE SHEET B-34.

*INDICATES SURFACE PARALLEL TO CENTERLINE OF BRIDGE

NOTE: POUR POST ON OF BACKWALL ABOVE CONST. JT. AFTER DECK IS PLACED.

ELEVATION - WEST ABUTMENT

N.T.S.

NOTE: MAINTAIN 2" CLEARANCE FOR REINFORCING AT ALL OPENINGS. SPREAD 567 BARS TO CLEAR CONDUITS OPNGS. & CUT 567 BARS @ GAS MAIN OPNG. AS REQ'D. CUT 564 & 565 @ OPNGS. AS REQ'D.

SECTION A-A

N.T.S.

DETAIL 1 B-32 — 3/4" = 1'-0

DETAIL 2 B-32 — 3/4" = 1'-0

DETAIL 2 B-32 / B-34

ELEVATION 1 B-36

ABUTMENT OPENING DETAIL

N.T.S.

WEST ABUT. SHOWN, EAST ABUT. OPPOSITE HAND.

TABLE OF QUANTITIES	PHASE I	PHASE II	PHASE IV	PHASE VI
CU. YD. CL. "A" CONC.	295.93	447.18	19.92	15.57
LB BAR REINF. STEEL	16,496	23,260	1,519	1,495

NOTES:
1. MAINTAIN 2" CLEARANCE IN SHAFT, AND 3" CLEARANCE IN FTG. FOR REINFORCING BARS
2. FOR ADDITIONAL DETAILS & NOTES SEE SHEETS B-36, B-37 & B-39.
3. ALL ALLOWABLE FOUNDATION BEARING CAP. OF 6000 PSF MIN. MUST BE ACCEPTED BY SOILS ENGINEER BEFORE FTG. CONC. IS PLACED.
4. FOR TEMP. BACKWALL ANCHOR BOLT LOCATION, SEE SHT. B-19.
5. CHAIN-LINK FENCE SHALL BE INSTALLED ACROSS THE TOP OF THE WATER MAIN SUPPORT STRUCTURE (AT EACH ABUT.) CONNECTING THE FENCE ON THE RETAINING WALL TO THE FENCE ON THE BRIDGE. PROVIDE STANDARD FENCE GATE AT EACH ABUT. FOR ACCESS TO WATER MAIN SUPPORT STRUCTURE. USE RET. WALL TYPE FENCE POST SHOWN ON BRIDGE SHT. B-38.
6. SOME ANCHOR BOLT HOLES EXTEND BELOW TEMPORARY BEAM SEAT ON EAST ABUTMENT.

BRIDGE SHEET B-32 OF 44

BRIDGE NO. 3

APPROVED — PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

WEST ABUTMENT
PHASES I, II, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE AS SHOWN DATE:

CONSULTANT HIGHWAY DIVISION

DESIGNED R.E. CHECKED W.H.L.
DRAWN W.J.D. & J.W.D. REVIEWED F.R.P.
REVIEWED APPROVED

REVISIONS: 12/12/80 — LMS — ADD 8" WATER MAIN OPNG.

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		101	177

CT. 2

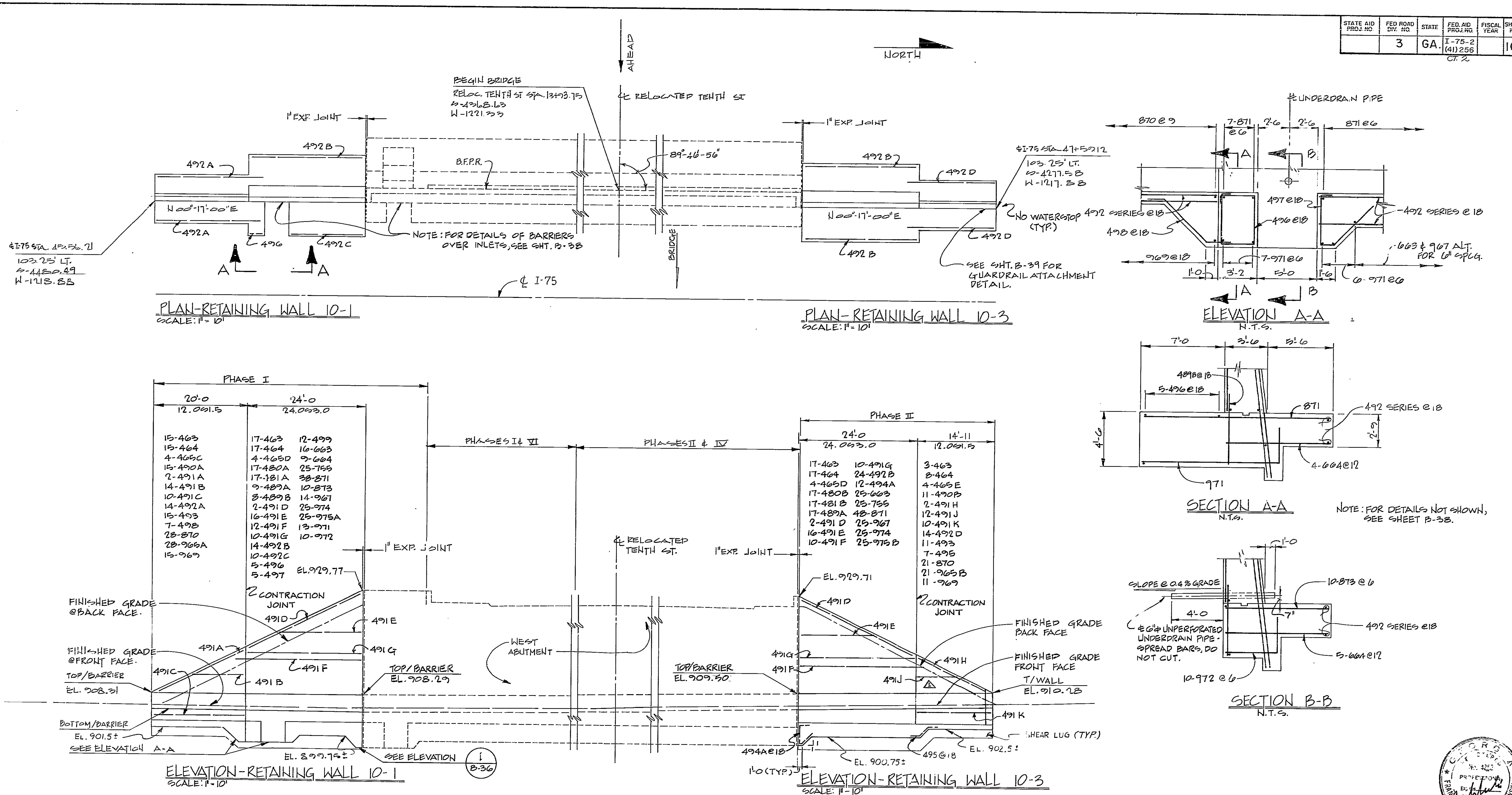
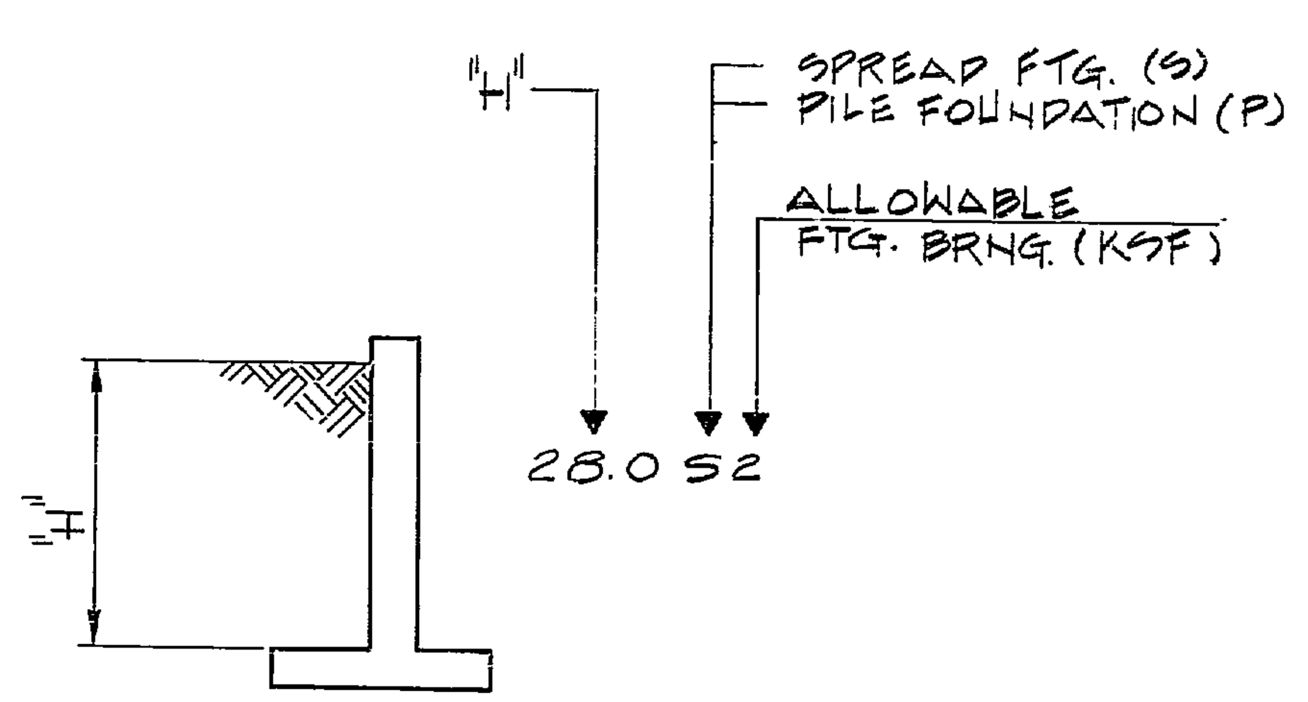


TABLE OF QUANTITIES		
ITEM	PHASE I WALL 10-1	PHASE II WALL 10-3
CU. YD. CLASS "A" CONC.	117.50	104.76
LBS. BAR REINF. STEEL	11,358	10,105

NOTE: CHAIN-LINK FENCE SHALL BE INSTALLED ON RETAINING WALL 10-1 ONLY. (USING 6 RETAINING WALL FENCE POSTS, SHOWN ON SHEET B-38) AND CONNECTED TO THE WATER MAIN SUPPORT STRUCTURE FENCE. FENCE POSTS SHALL BE VERTICAL AND SPACED @ 10'-0" MAXIMUM. CENTERS OF SLEEVES SHALL NOT BE CLOSER THAN 6" FROM CONTRACTION OR EXPANSION JOINTS OR ENDS OF WALLS. FENCE POSTS ARE NOT SHOWN.



SECTION MARK LEGEND

NOTES:

1. MAINTAIN 2" CLEARANCE IN SHAFT AND 3" CLEARANCE IN FOOTING FOR REINFORCING BARS.
2. FOR ADDITIONAL DETAILS, SEE SHTS. B-38 & B-39.
3. TOP OF BARRIER SHALL FOLLOW STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN.

BRIDGE NO. 3

APPROVED — PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION — BRIDGE DESIGN

RETAINING WALLS 10-1 & 10-3
PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO 16+26.25

FULTON COUNTY — I-75-2(41)256

SCALE: AS SHOWN — DATE: AUG. 1979

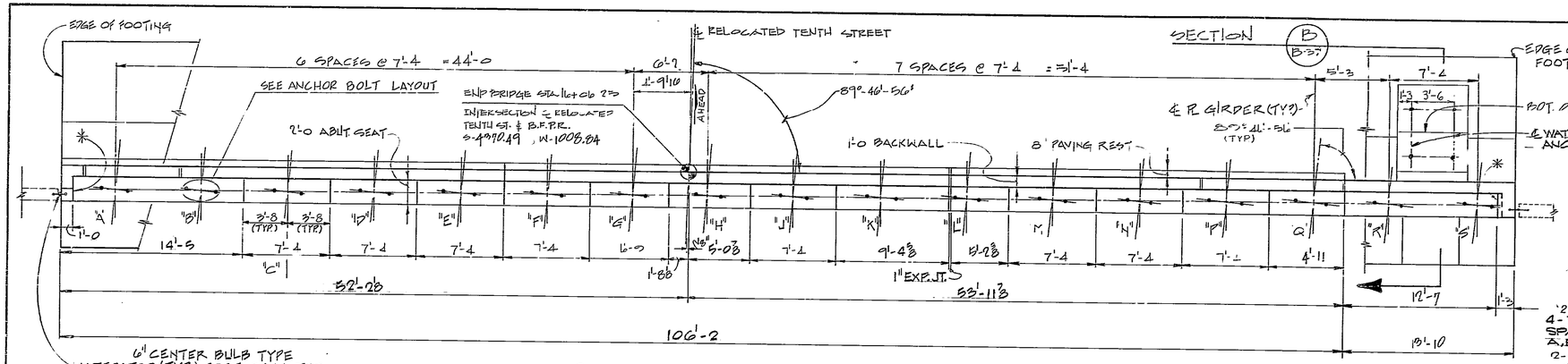
CONSULTANT — HIGHWAY DIVISION

DESIGNED: R.Z. & L.R. — CHECKED: W.H.L. — REVIEWED
DRAWN: N.C.J. — REVIEWED: F.R.P. — APPROVED

DATE — BY — REVISIONS

BRIDGE SHEET B-33 OF 44

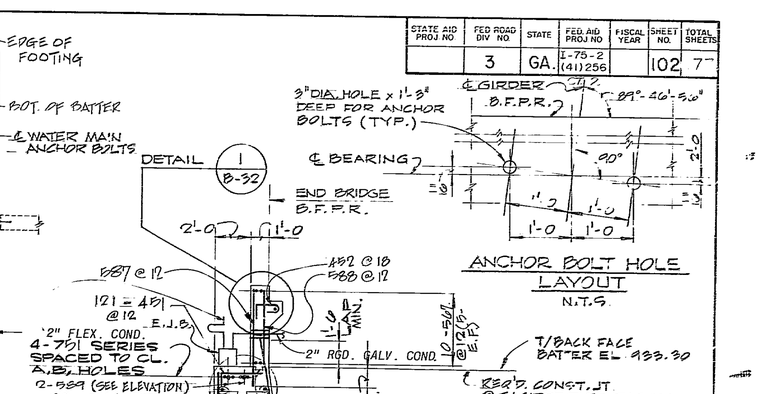
STATE AID PROJ NO	FED ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		102	7**

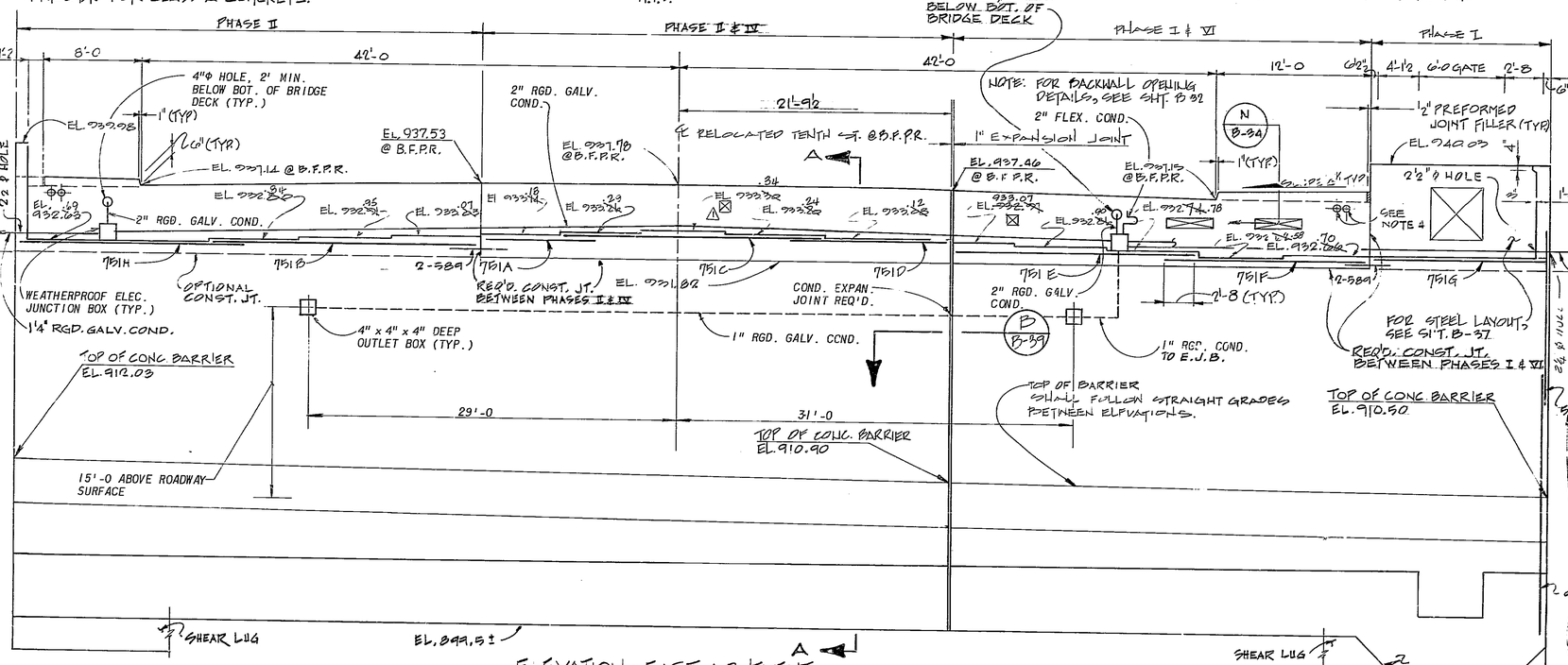


PLAN-EAST ABUTMENT
N.T.S.

* INDICATES SURFACE PARALLEL TO CENTERLINE OF BRIDGE

SECTION (B) B-37



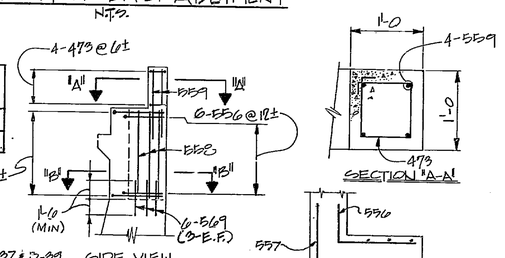


ELEVATION-EAST ABUTMENT
N.T.S.

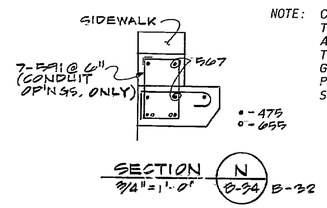
SECTION A-A
N.T.S.

TABLE OF QUANTITIES	PHASE I	PHASE II	PHASE IV	PHASE VI
CU. YD. CL. "A" CONC.	296.50	750.38	12.99	9.60
LBS. BAR REINF. STEEL	28,804	41,265	1,373	1,371

NOTES:
1. MAINTAIN 2" CLEARANCE IN SHAFT AND 3" CLEARANCE IN FOOTING FOR EXPOSED REINF. BARS
2. FOR ADDITIONAL DETAILS & NOTES, SEE BRIDGE SHEETS B-36, B-37 & B-39
3. AN ALLOWABLE FOOTING BEARING CAPACITY OF 6000 PSF. MINIMUM MUST BE ACCEPTED BY SOILS ENGR. BEFORE FOOTING CONCRETE IS PLACED
4. TWO 4" ℄ HOLES FOR TRAFFIC SIGNAL INTERCONNECT DUCTS LOCATED 2" MIN. BELOW BOT./DECK (TYP. EACH SIDE), SPACED AT 10" MIN. BETWEEN CENTERLINES OF HOLES.



CLOSURE WALL & END POST DETAILS
EAST ABUTMENT SHOWN; WEST ABUTMENT OPPOSITE HAND



NOTE: CHAIN-LINK FENCE SHALL BE INSTALLED ACROSS THE TOP OF THE WATER MAIN SUPPORT STRUCTURE (AT EACH ABUT.) CONNECTING THE FENCE ON THE RETAINING WALL TO THE FENCE ON THE BRIDGE. PROVIDE STANDARD FENCE GATE AT EACH ABUTMENT FOR ACCESS TO WATER MAIN SUPPORT STRUCTURE. USE RETAINING WALL TYPE FENCE POST SHOWN ON BRIDGE SHEET B-38.

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

EAST ABUTMENT
PHASES I, II, IV, AND VI

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE AS SHOWN | DATE: AUG. 1979

CONSULTANT | HIGHWAY DIVISION

DESIGNED P.P. CHECKED W.H.W.
DRAWN N.J. REVIEWED F.R.P.
REVIEWED _____
APPROVED _____

REVISIONS | DATE | BY

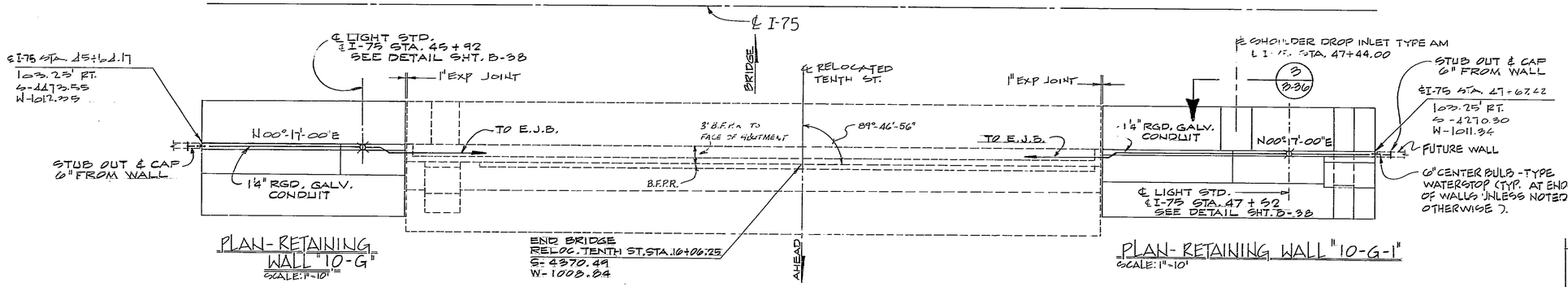
BRIDGE SHEET B-34 OF 44

TELEDYNE POST H56871

STATE AID PROJ NO	FED ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
	3	GA.	I-75-2 (41)-256		103	177

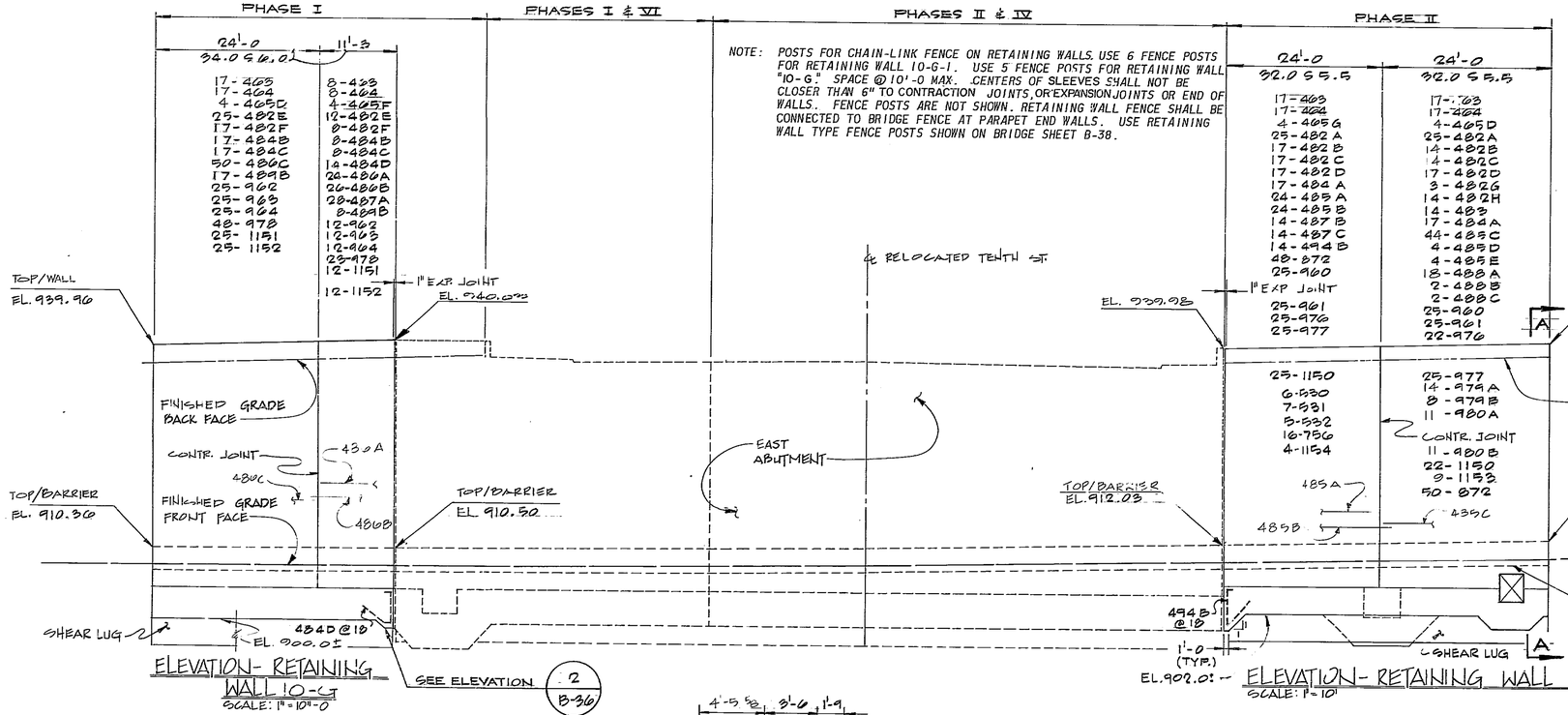
CT. 2

NORTH



PLAN - RETAINING WALL "10-G"
SCALE: 1"=10'

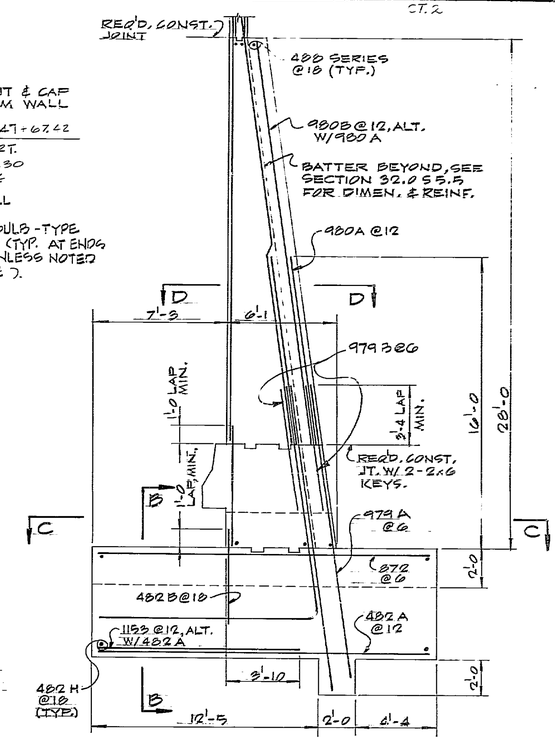
PLAN - RETAINING WALL "10-G-1"
SCALE: 1"=10'



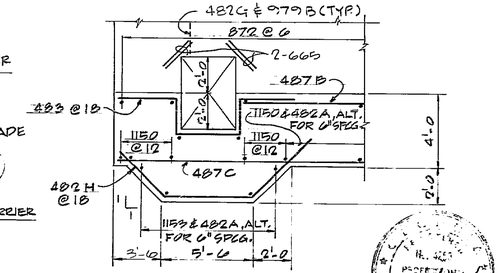
ELEVATION - RETAINING WALL 10-G
SCALE: 1"=10'-0

ELEVATION - RETAINING WALL 10-G-1
SCALE: 1"=10'

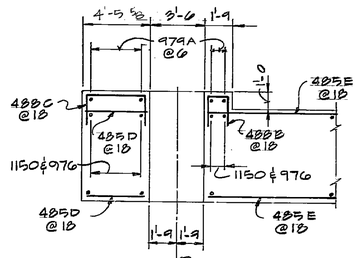
NOTE: POSTS FOR CHAIN-LINK FENCE ON RETAINING WALLS USE 6 FENCE POSTS FOR RETAINING WALL 10-G-1. USE 5 FENCE POSTS FOR RETAINING WALL "10-G." SPACE @ 10'-0 MAX. CENTERS OF SLEEVES SHALL NOT BE CLOSER THAN 6" TO CONTRACTION JOINTS, OR EXPANSION JOINTS OR END OF WALLS. FENCE POSTS ARE NOT SHOWN. RETAINING WALL FENCE SHALL BE CONNECTED TO BRIDGE FENCE AT PARAPET END WALLS. USE RETAINING WALL TYPE FENCE POSTS SHOWN ON BRIDGE SHEET B-38.



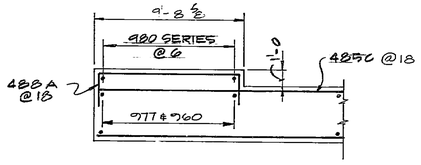
SECTION A-A
1/4" = 1'-0



SECTION B-B
1/4" = 1'-0



SECTION C-C
1/4" = 1'-0



SECTION D-D
1/4" = 1'-0

TABLE OF QUANTITIES		
ITEMS	PHASE I WALL "10-G"	PHASE II WALL "10-G-1"
CU. YD. CLASS "A" CONC.	261.33	351.61
LB. BAR REINF. STEEL	22,926	30,285

NOTES:
1. TOP & BOTTOM OF BARRIER SHALL FOLLOW STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN.
2. FOR ADDITIONAL DETAILS, SEE SHTS. B-38 & B-39.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

RETAINING WALLS 10-G & 10-G-1
PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

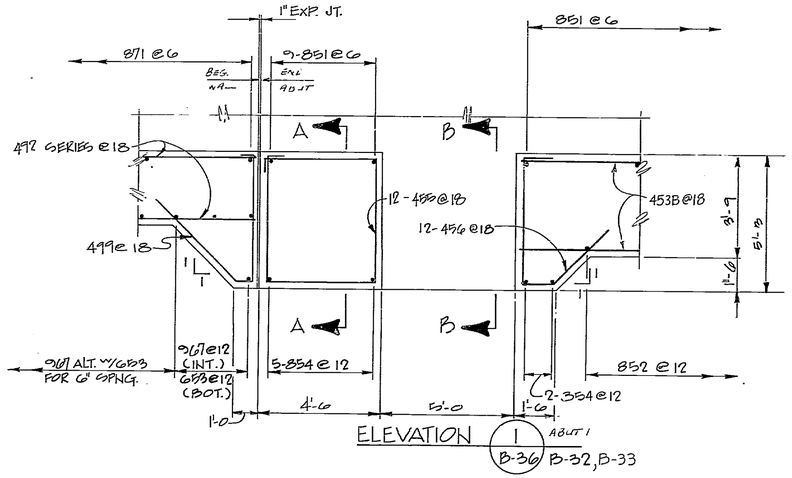
SCALE: AS SHOWN
DATE: AUG., 1979
CONSULTANT
HIGHWAY DIVISION
DESIGNED P.Z. CHECKED W.H.L.
DRAWN H.C.J. REVIEWED F.R.P.
REVIEWED
APPROVED

DATE / REVISIONS / BY

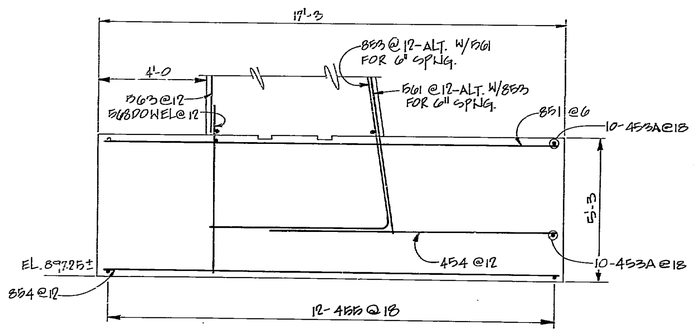
BRIDGE SHEET B-35 OF 44

STATE AID PROJ. NO	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256		104	177

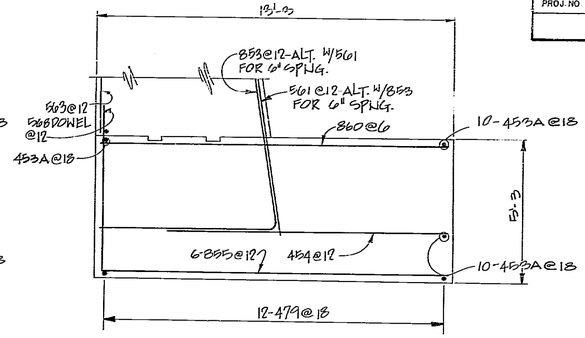
CT. 2



ELEVATION (1) ABUT 1
B-36 / B-32, B-33

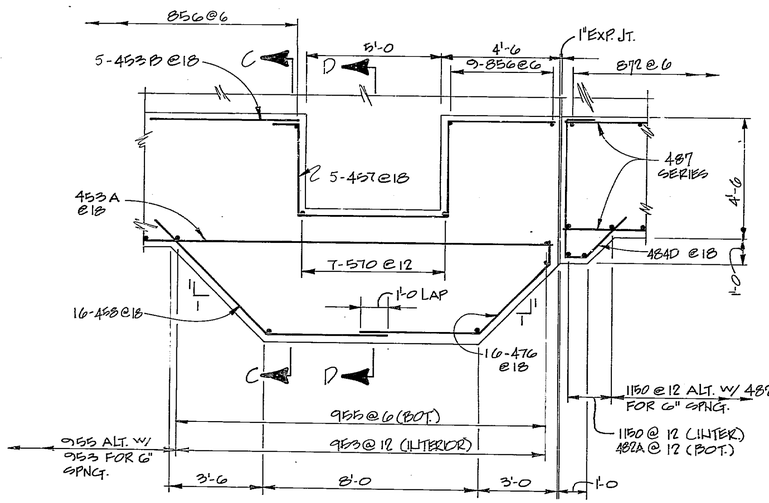


SECTION A-A

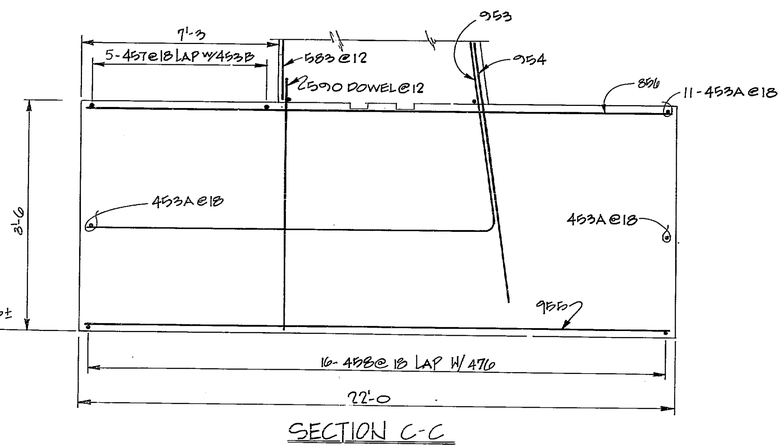


SECTION B-B

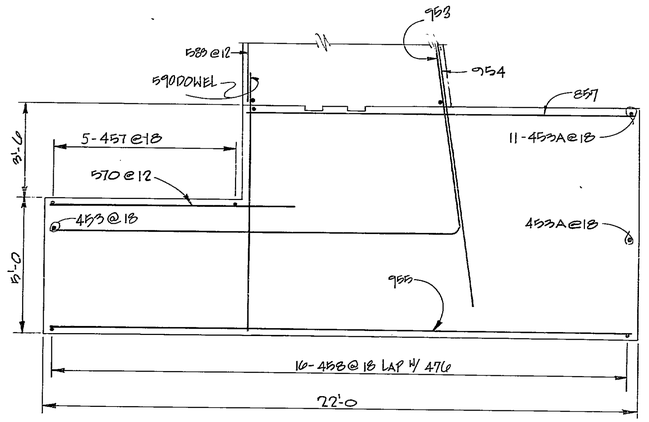
NOTE: COUNTERFORTS NOT SHOWN. SEE BRIDGE SHEET B-37.



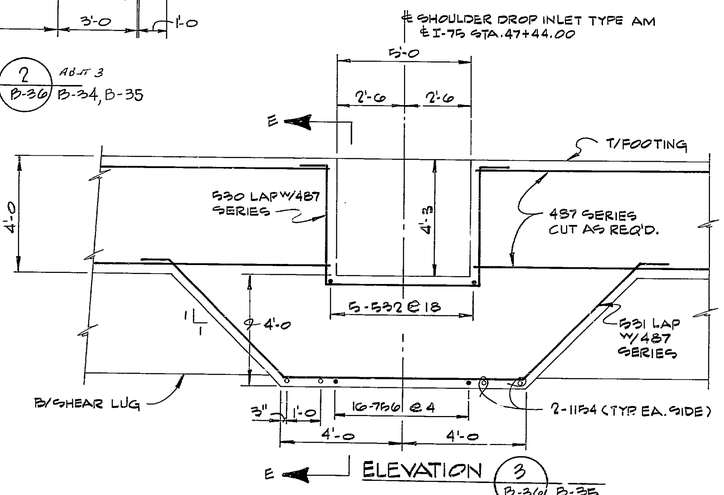
ELEVATION (2) ABUT 3
SCALE: 3/8"=1'-0
B-36 / B-34, B-35



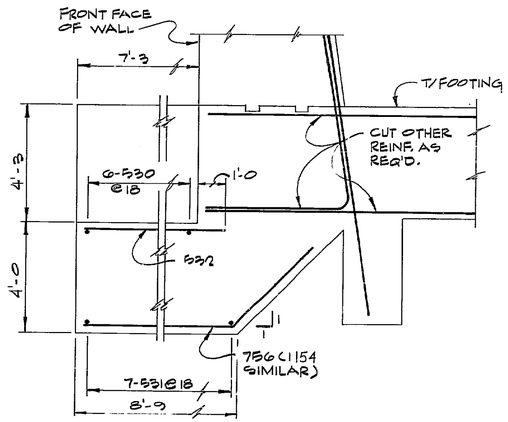
SECTION C-C



SECTION D-D



ELEVATION (3) B-36 / B-35



SECTION E-E

NOTE: FOR ADDITIONAL DETAILS & NOTES, SEE BRIDGE SHEETS B-32 & B-34.

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

FOOTING DETAILS
PHASES I & II

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

SCALE 3/8"=1'-0 DATE

CONSULTANT HIGHWAY DIVISION

DESIGNED L.M^c CHECKED WHL REVIEWED
DRAWN N.C.J. REVIEWED E.R.P. APPROVED

DATE / REVISIONS / BY

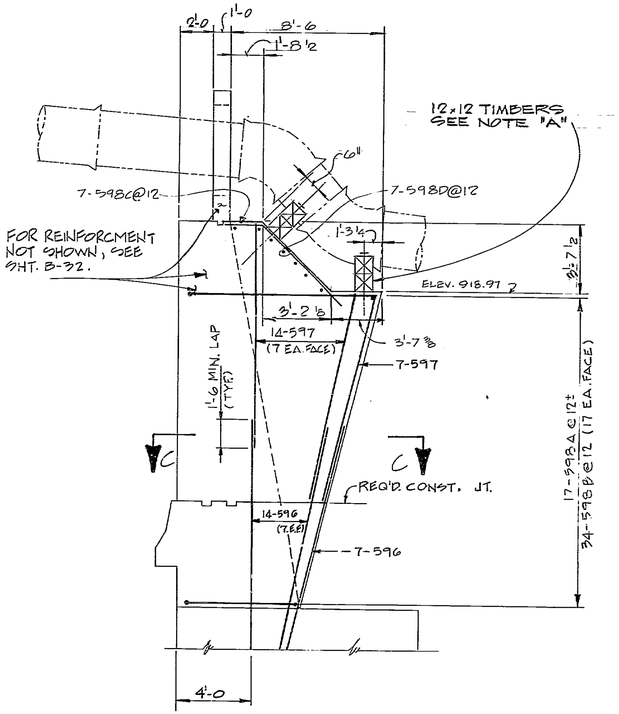
BRIDGE SHEET B-36 OF 44

TELEDYNE POST N56871

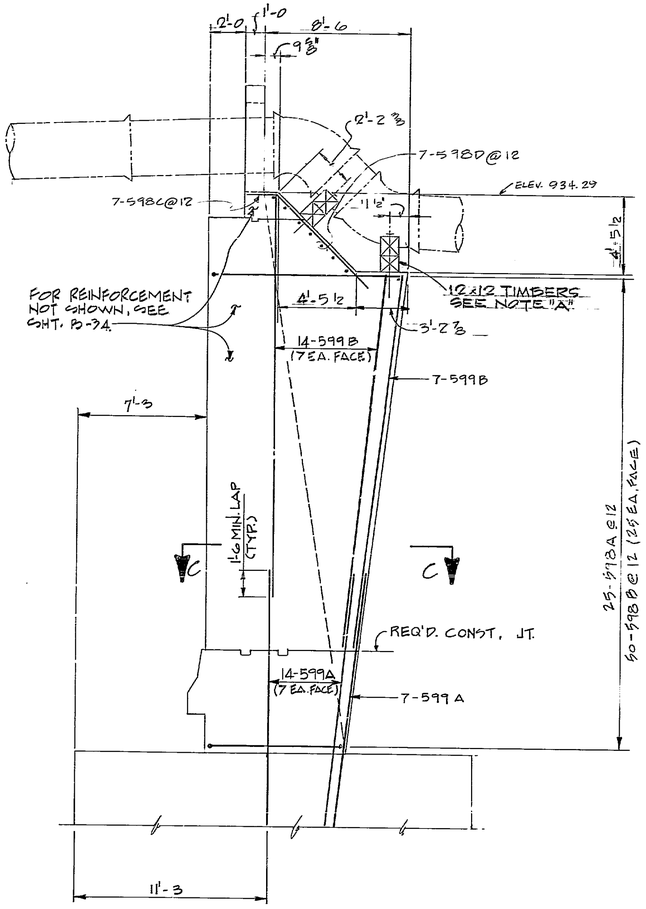
STATE AID PROJ. NO	FED ROAD DIV. NO	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		105	177

CT. 2

NOTE "A"
TIMBERS SHALL BE TREATED. CUT TIMBERS TO FIT PIPE AND SHIM TO OBTAIN MAIN PROFILE, BORE TIMBERS TO FIT ANCHOR BOLTS.

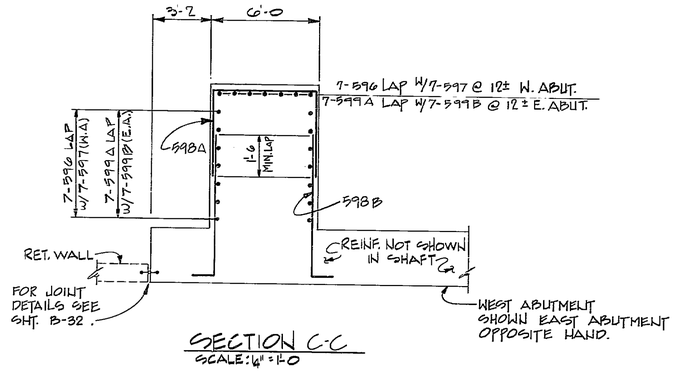


SECTION - WEST ABUTMENT (A / B-37) B-32
SCALE: 1/4" = 1'-0



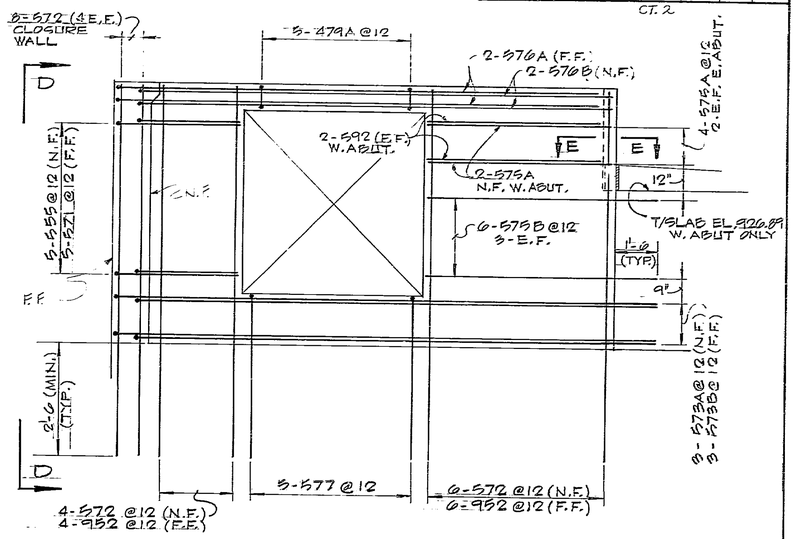
SECTION - EAST ABUTMENT (B / B-37) B-34
SCALE: 1/4" = 1'-0

NOTES: 1. MAINTAIN 3" CLEARANCE IN FOOTING AND 2" CLEARANCE IN SHAFT.
2. SEE SHEET B-36 FOR SPECIAL FOOTING DETAILS.
3. FOR ADDITIONAL DETAILS & NOTES, SEE SHEETS B-32, B-34, & B-39.

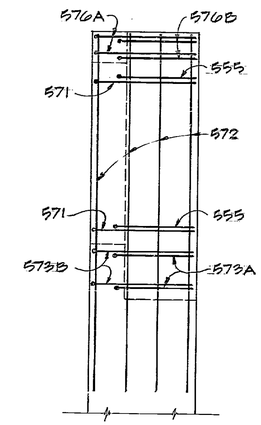


SECTION C-C
SCALE: 1/4" = 1'-0

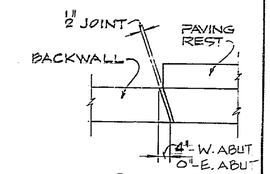
NOTE: EAST ABUTMENT OPPOSITE-AND.



REINF. DETAILS
WATER MAIN SUPPORT - BACKWALL
1/2" = 1'-0"



SIDE VIEW D-D
1/2" = 1'-0"



SECTION E-E
1/2" = 1'-0"

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

ABUTMENT COUNTERFORT DETAILS

PHASE I

TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

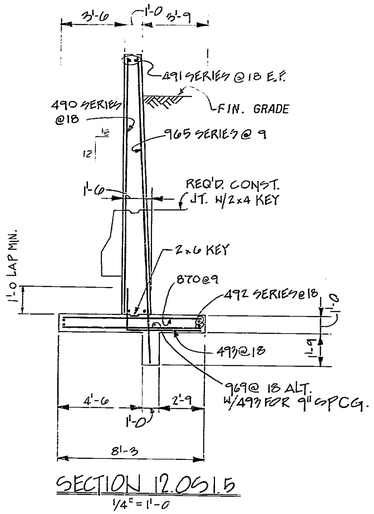
SCALE AS SHOWN
DATE: AUG., 1979
CONSULTANT
HIGHWAY DIVISION
DESIGNED P.Z. CHECKED W.H.L.
DRAWN H.C.J. & J.W.D. Jr. REVIEWED F.R.P.
REVIEWED
APPROVED

DATE / REVISIONS / BY

BRIDGE SHEET B-37 OF 44

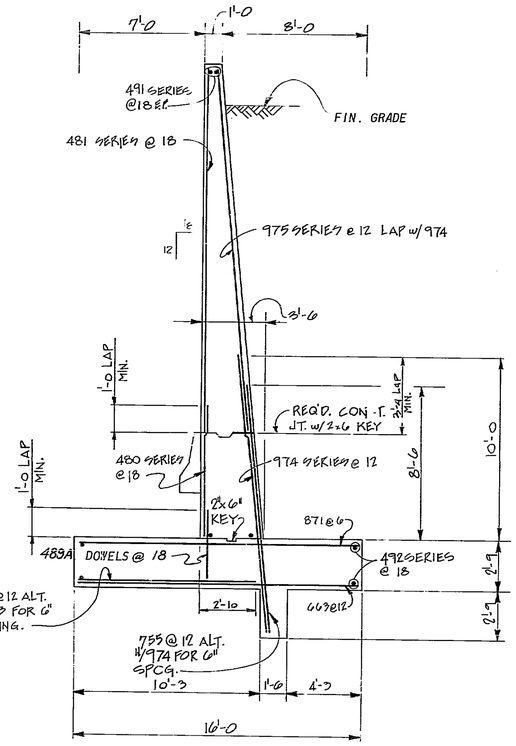
TELEDYNE POST M56871

STATE AID PROJ NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 CT. 2		106	177



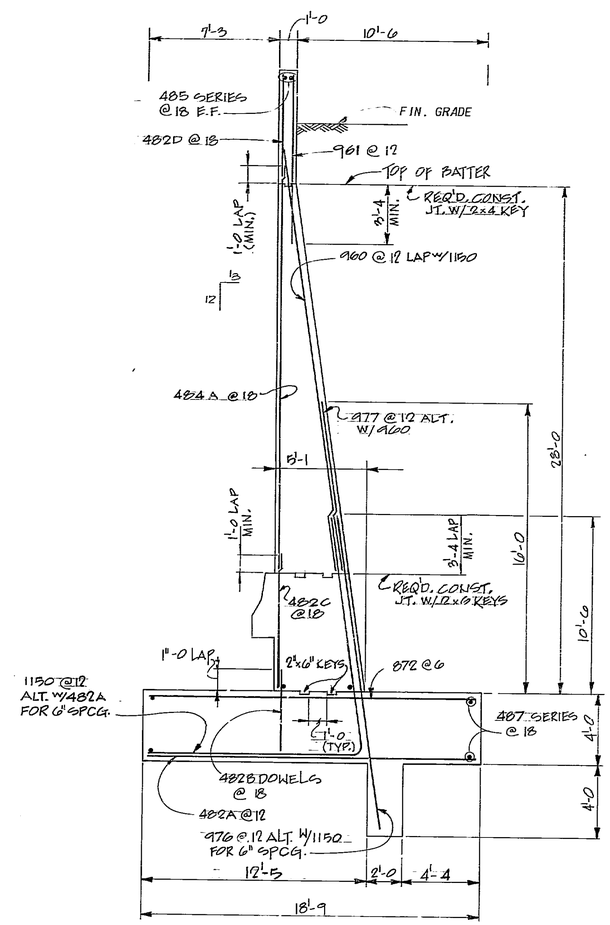
SECTION 12.0515

1/4" = 1'-0



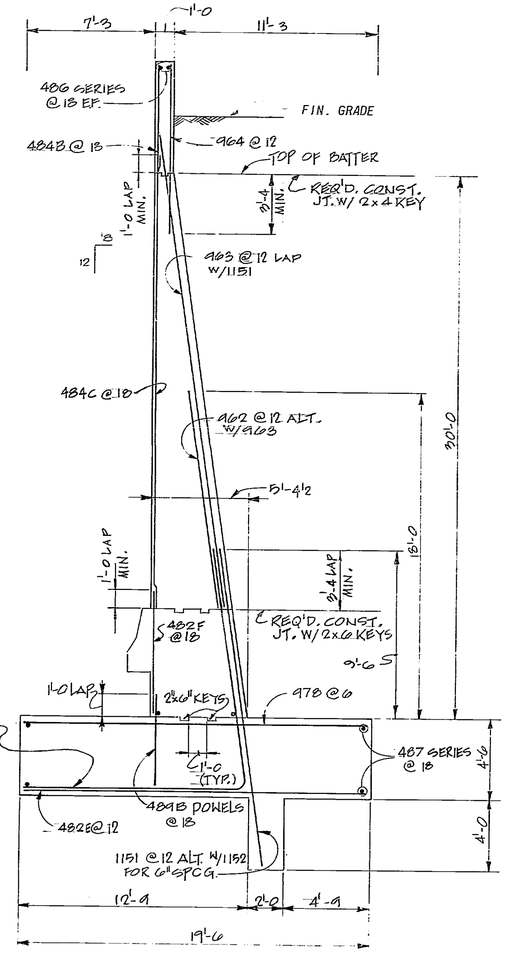
SECTION 24.0530

1/4" = 1'-0



SECTION 32.0555

1/4" = 1'-0

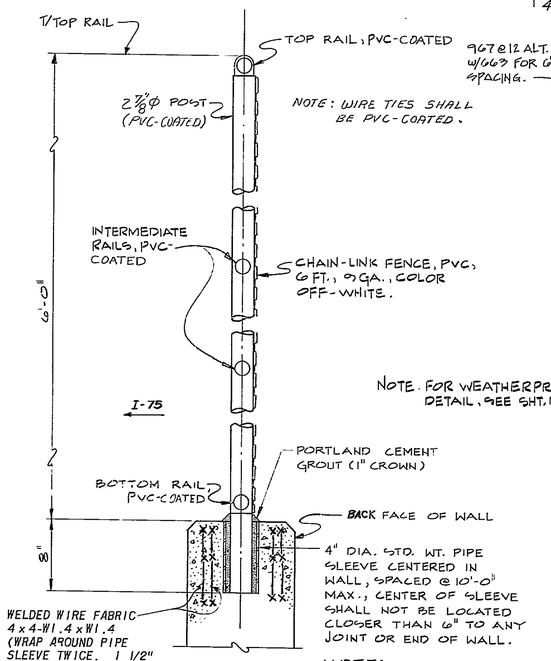


SECTION 34.0560

1/4" = 1'-0

NOTES:

1. MAINTAIN 2" CLEARANCE IN SHAFT AND 3" CLEARANCE IN FOOTINGS ON ALL EXTERIOR REINF. LINES. OTHERWISE NOTED.
2. FOR ADDITIONAL DETAILS & NOTES, SEE BRIDGE SHEETS B-33, B-35, & B-37.



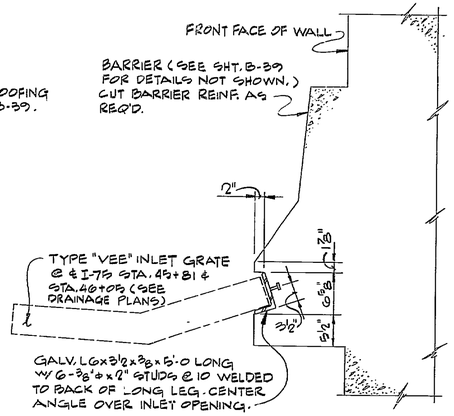
NOTE: FOR WEATHERPROOFING DETAIL, SEE SHT. B-39.

NOTE:

FOR POST LOCATIONS, SEE SHEETS B-32, B-33, B-34 & B-35.

CHAIN-LINK FENCE DETAIL

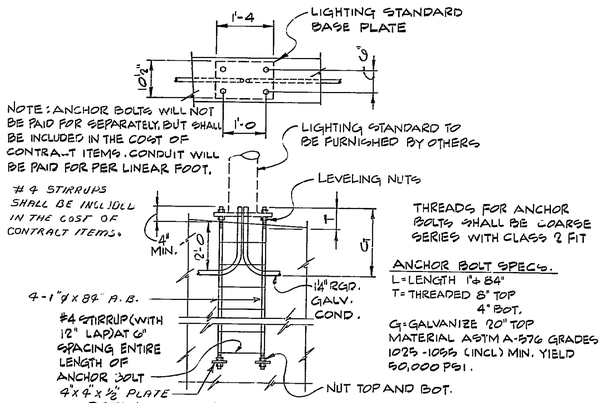
N. T. S.



DETAIL OF BARRIER AT INLET

1" = 1'-0

(WEST ABUT. & RET. WALL "10-1" ONLY)



DETAIL LIGHTING STANDARD ANCHORAGE ON WALLS

GEORGIA REGISTERED No. 4253 PROFESSIONAL Engineer FRANCIS ROBERT PRYBYLOWSKI

BRIDGE SHEET B-38 OF 44

BRIDGE NO.3

APPROVED PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS ATLANTA GEORGIA

DATE

REVISIONS

BY

GEORGIA DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION BRIDGE DESIGN

RETAINING WALL SECTIONS

PHASES I & II

TENTH STREET BRIDGE OVER I-75

STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2(41)256

SCALE: AS SHOWN DATE AUG., 1979

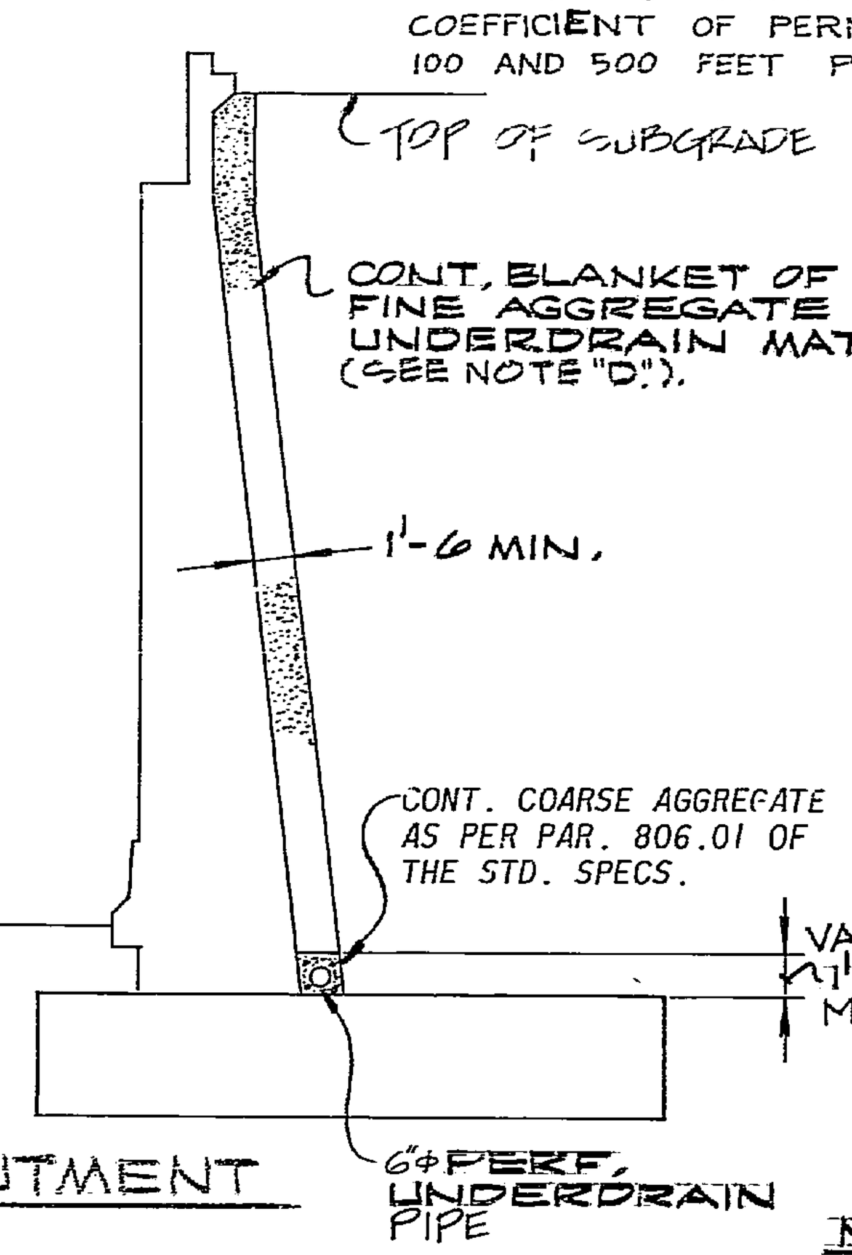
CONSULTANT HIGHWAY DIVISION

DESIGNED P.Z. CHECKED W.H.L. REVIEWED

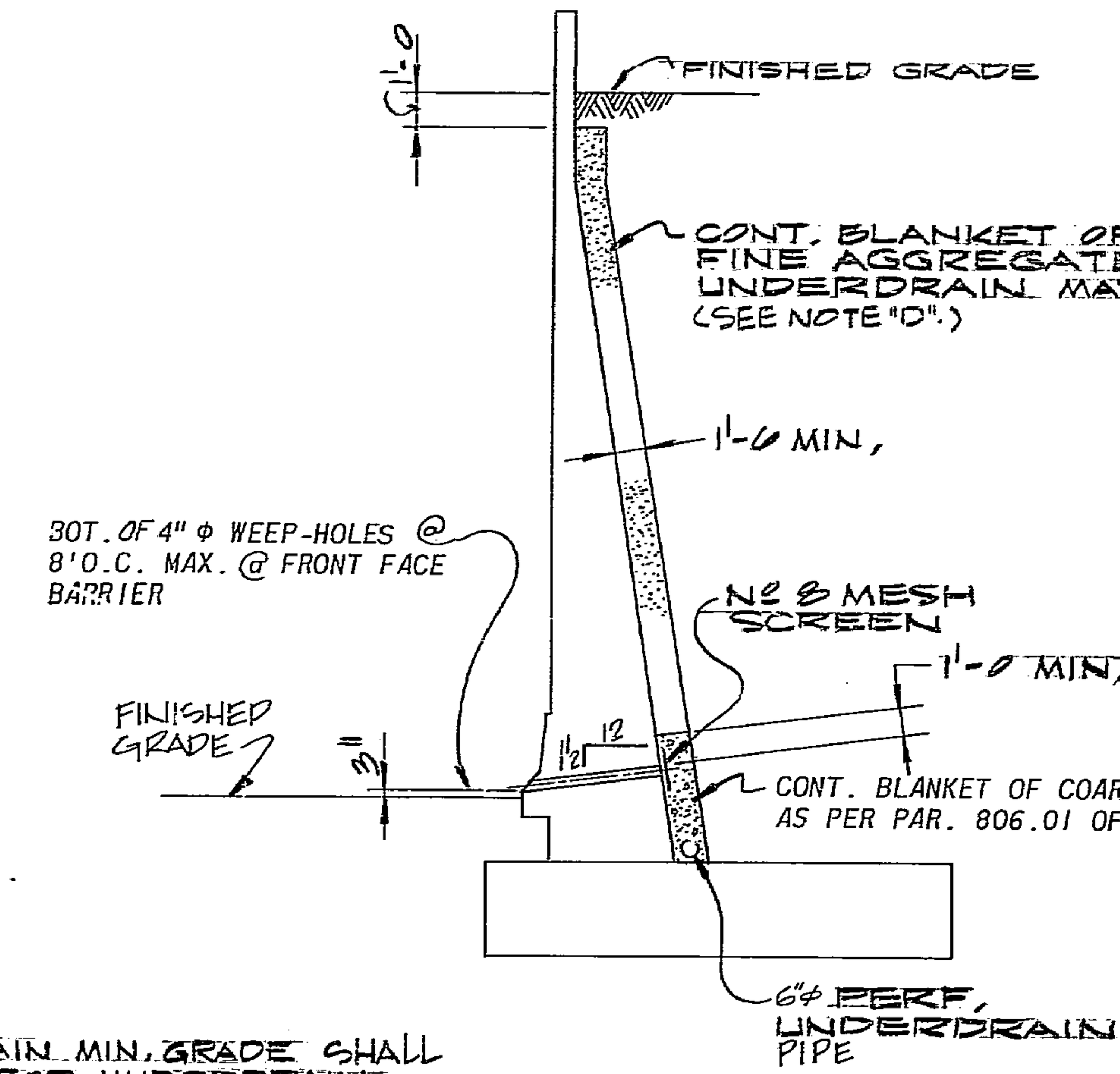
DRAWN W.C.V. REVIEWED F.R.P. APPROVED

TELEDYNE POST 4X4W2.1

NOTE "D": FINE AGGREGATE SHALL CONSIST OF NO. 10 CONCRETE SAND MEETING THE REQUIREMENTS OF PARAGRAPH 806.02 OF THE STANDARD SPECIFICATIONS, OR OTHER AGGREGATE HAVING A COEFFICIENT OF PERMEABILITY BETWEEN 100 AND 500 FEET PER DAY.



ABUTMENT

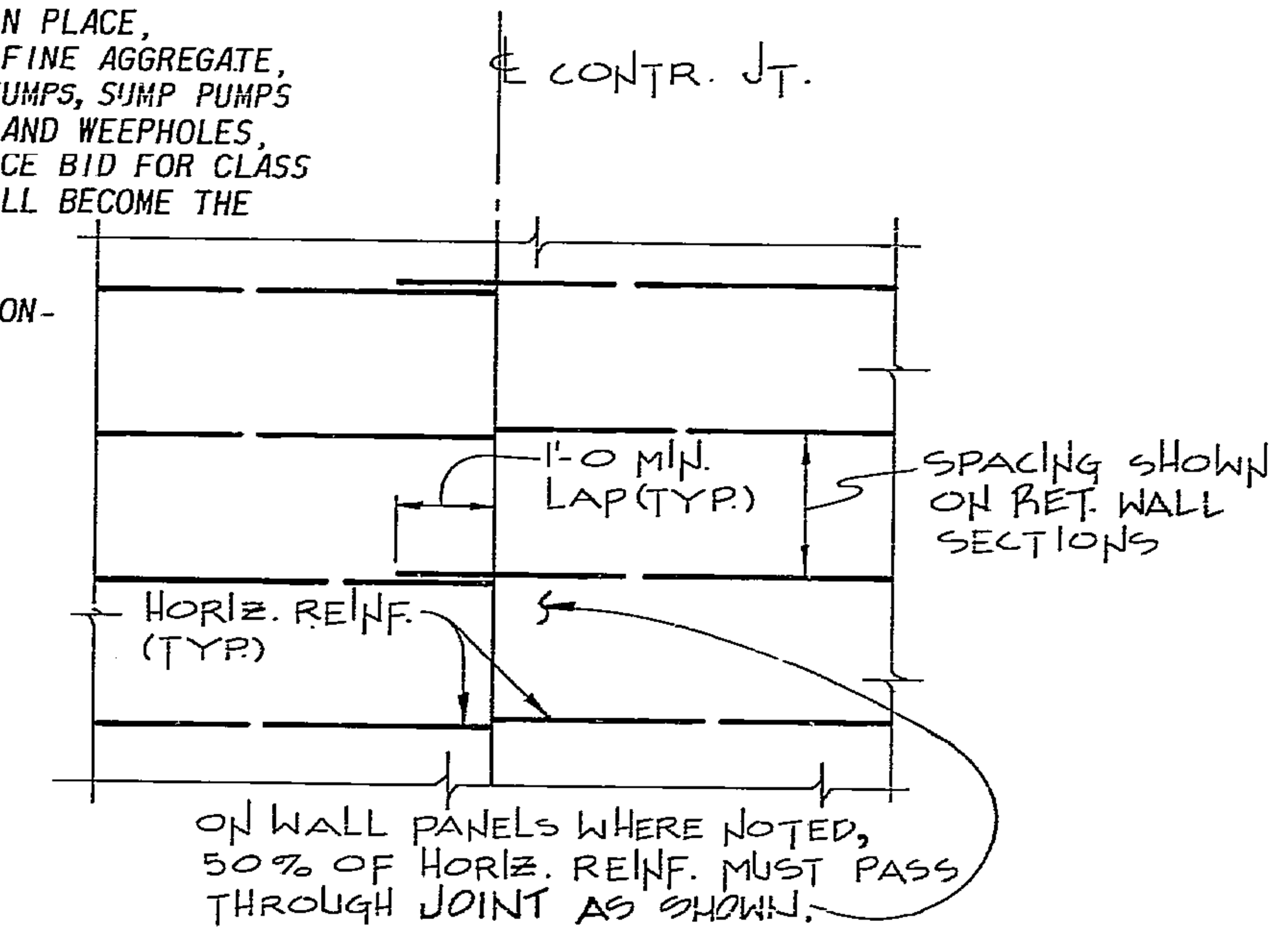


NOTE: UNDERDRAIN MIN. GRADE SHALL BE 0.4%. FOR UNDERDRAIN PLAN, SEE SH. B-7.

RETAINING WALL

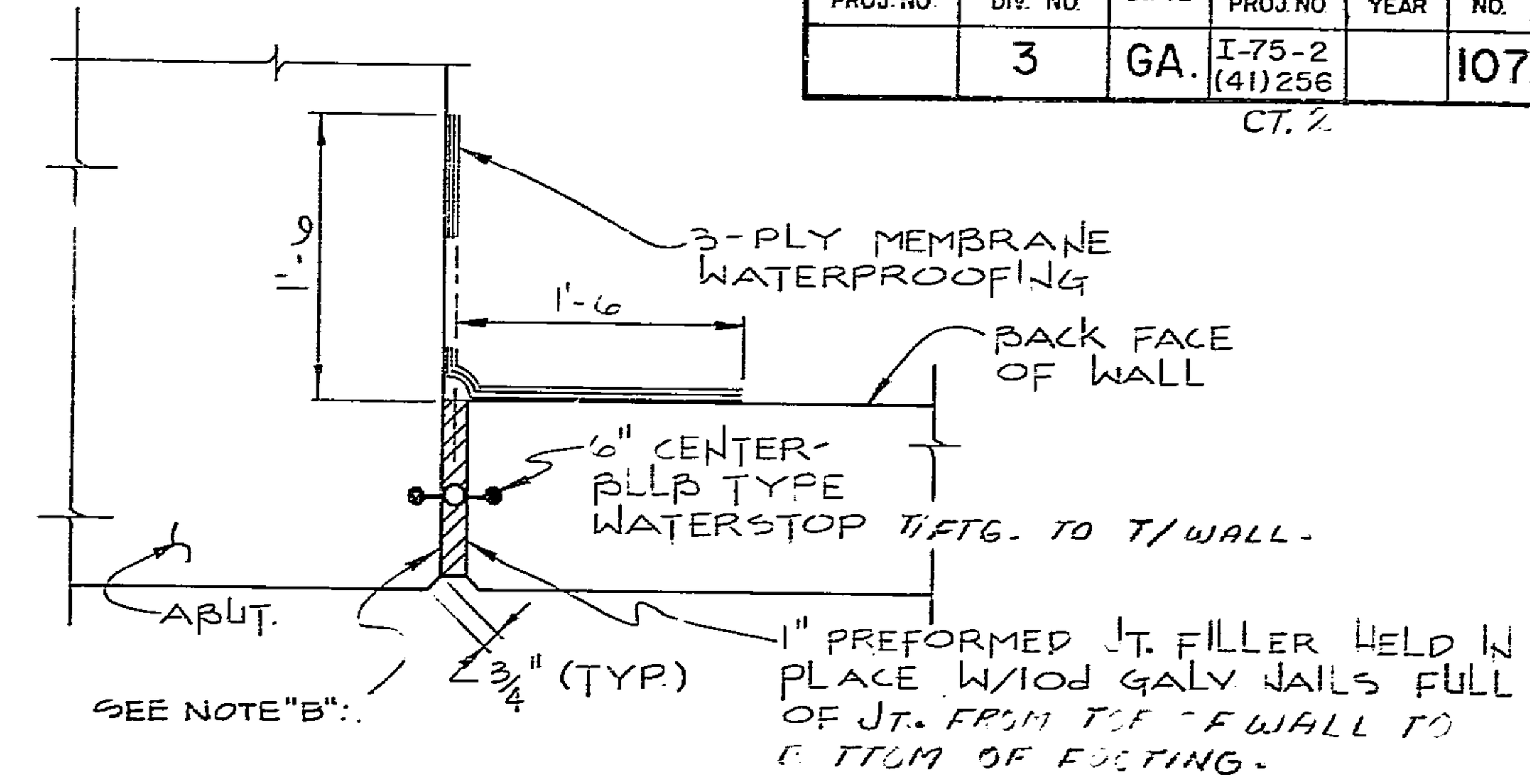
DRAINAGE DETAILS
N.T.S.

THE COST OF ABUTMENT AND RETAINING WALL DRAINAGE SYSTEMS, COMPLETE IN PLACE, INCLUDING COARSE AGGREGATE, FINE AGGREGATE, UNDERDRAIN PIPE, TEMPORARY SUMPS, SUMP PUMPS AND APPURTENANCES, SCREENS, AND WEEPHOLES, SHALL BE INCLUDED IN THE PRICE BID FOR CLASS "A" CONCRETE. SUMP PUMPS WILL BECOME THE PROPERTY OF THE DEPARTMENT. OPERATION AND MAINTENANCE OF SUMP PUMPS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

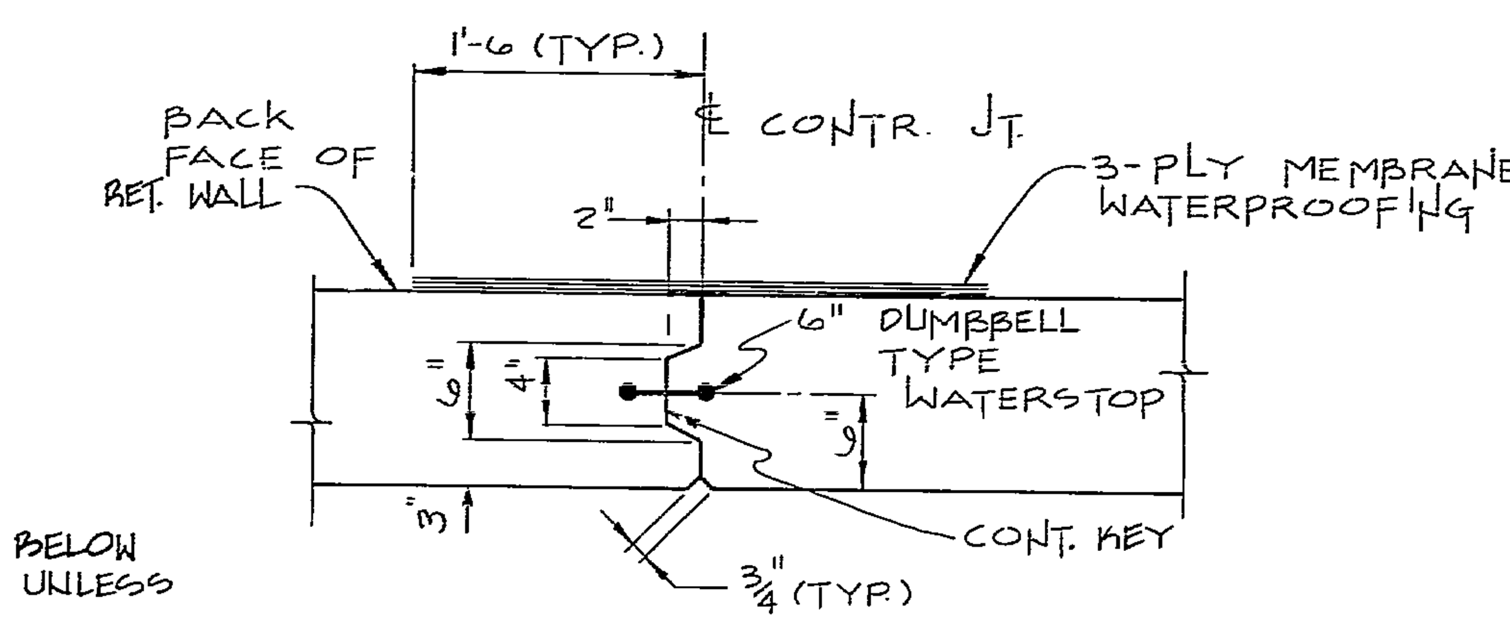


ELEVATION
CONTRACTION JOINT
(USE ONLY WHERE NOTED IN WALL ELEVATIONS)

STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 CT. 2		107	177

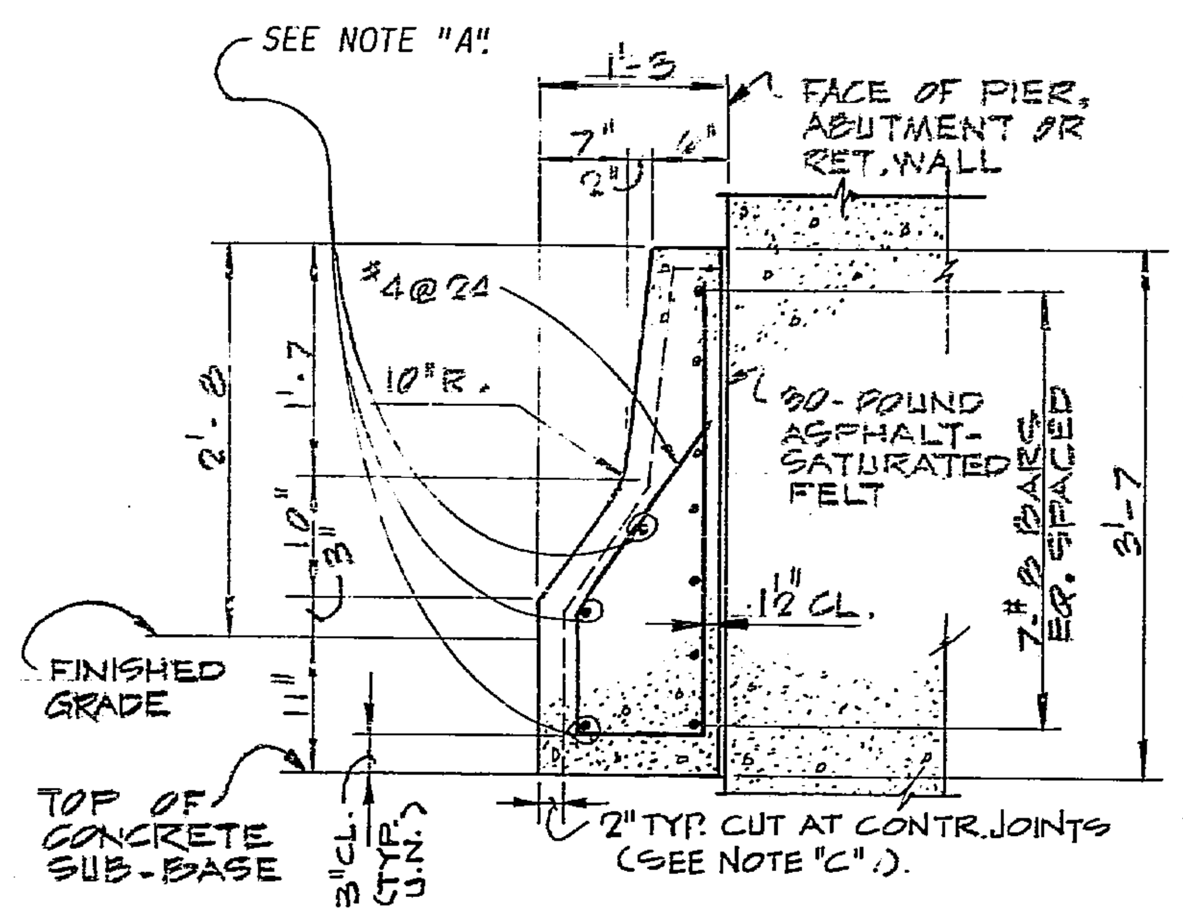


PLAN
EXPANSION JOINT



PLAN-CONTRACTION JOINT

WALL JOINT DETAILS
N.T.S.

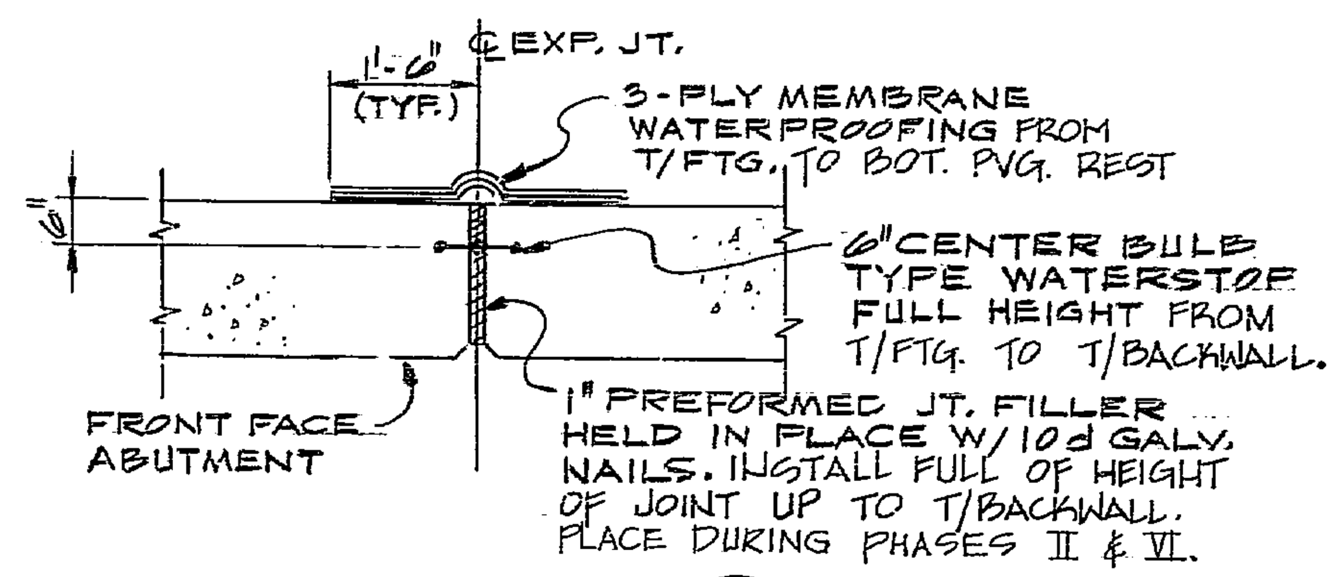


ALTERNATE BARRIER DETAIL
3/4" = 1'-0"

NOTE "A": 3-#4 BARS SPACED AS SHOWN FOR LENGTH OF BARRIER.

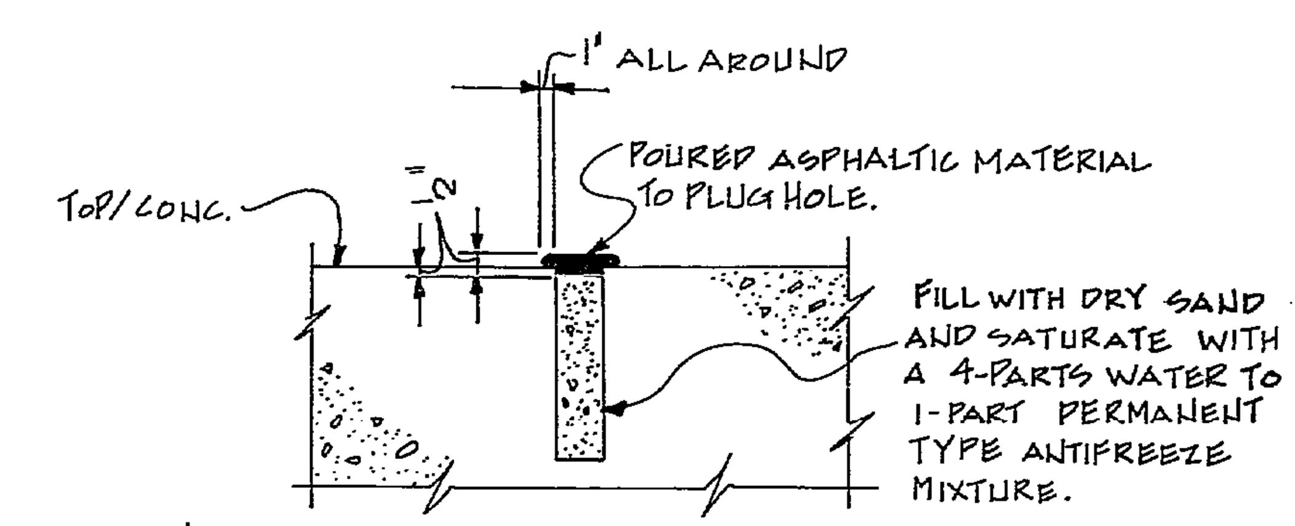
NOTE "B": CUT 1" PREFORMED JOINT FILLER TO BARRIER CONFIGURATION. JOINT FILLER SHALL BE HELD IN PLACE WITH 10d GALV. NAILS AT EXP. JOINTS.

NOTE "C": CONTRACTION JOINTS IN RETAINING WALL TRAFFIC BARRIERS SHALL BE SAW-CUT AND LOCATED TO COINCIDE WITH CONTRACTION JOINTS IN WALLS.



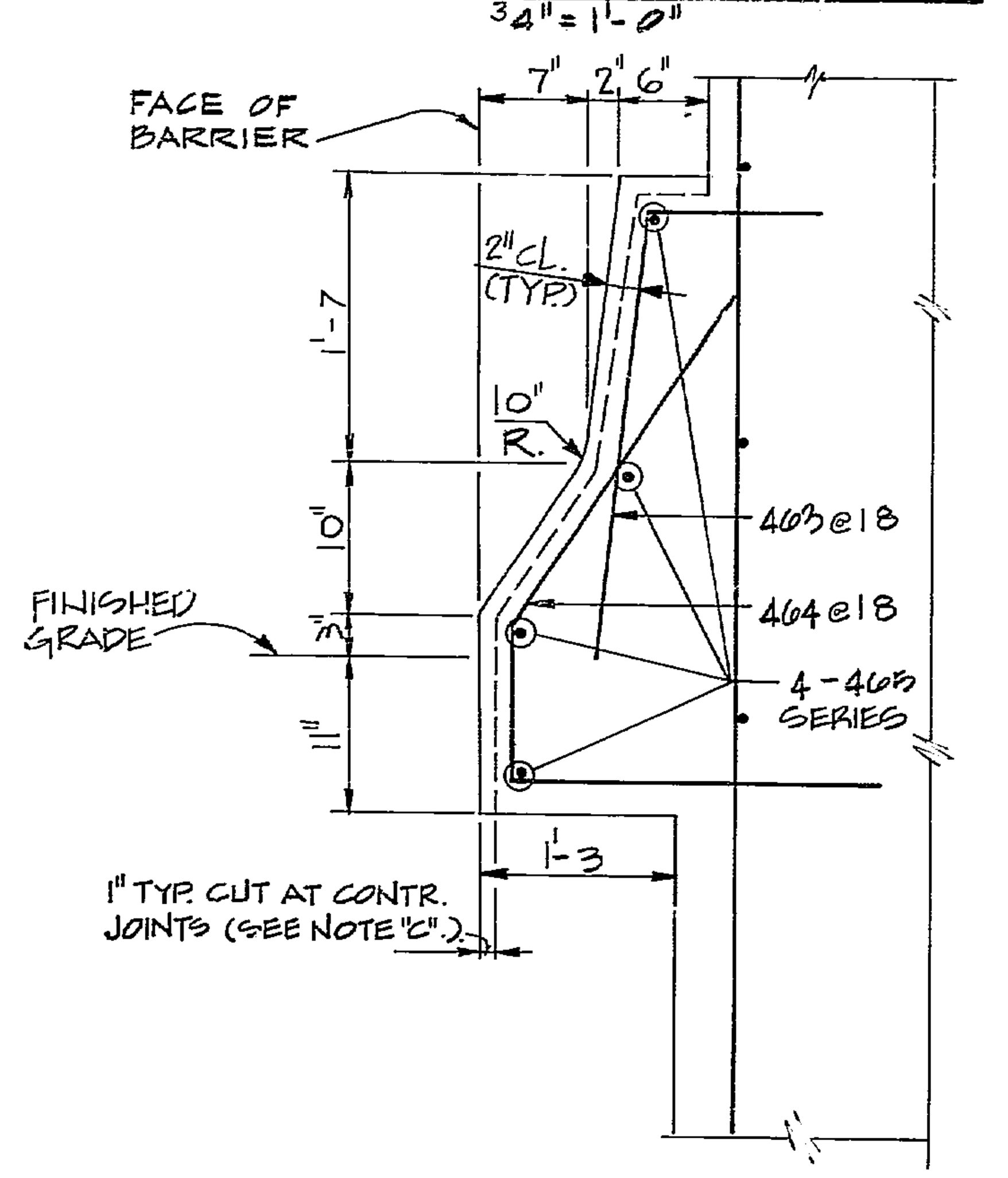
SECTION (5 / B-39) B-32 & B-34
N.T.S.

GENERAL NOTES:
1. PROVIDE WATERPROOFING FROM 2" BELOW HIGHEST FINISHED GRADE TO TOP OF FOOTING UNLESS NOTED OTHERWISE.
2. FOR TEMPORARY ABUTMENT BACKWALL DETAILS, SEE SHEET B-15.

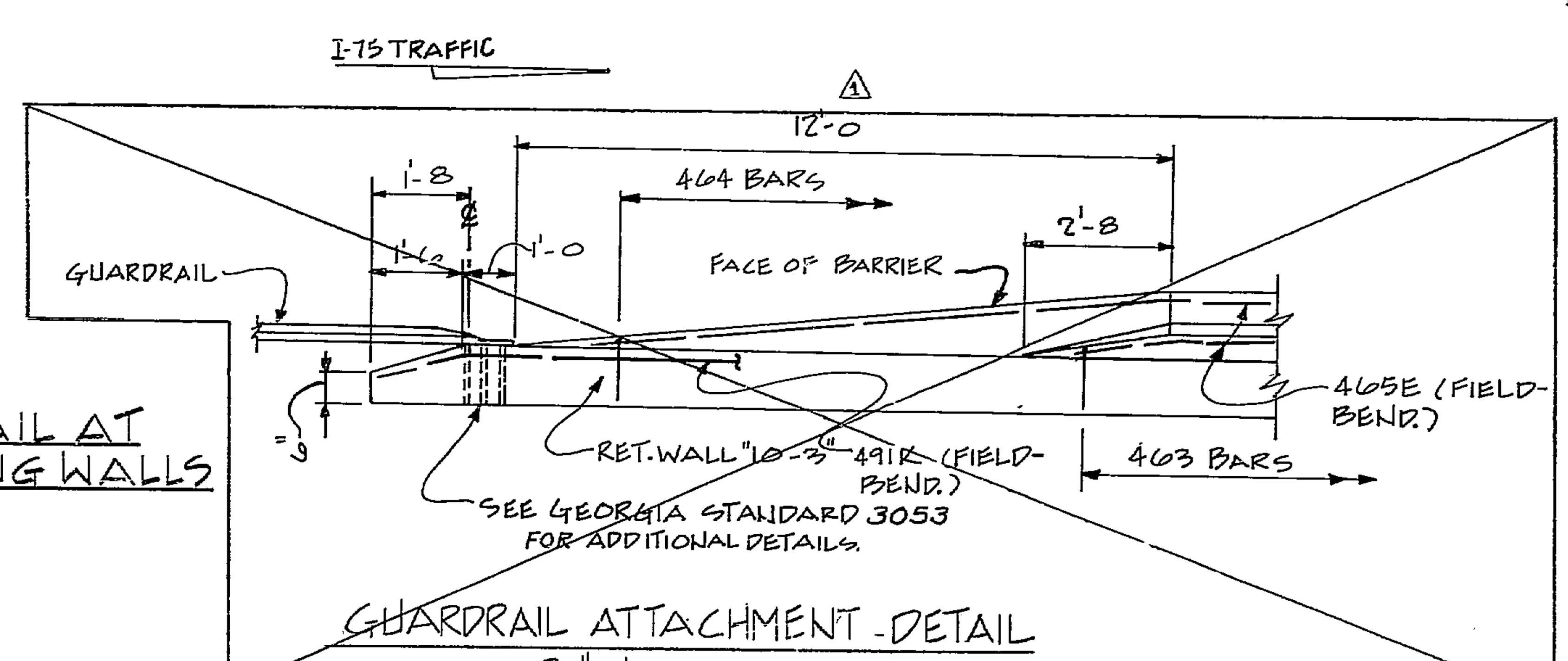


NOTE: COST SHALL BE INCLUDED IN PRICE BID FOR CLASS "A" CONCRETE.

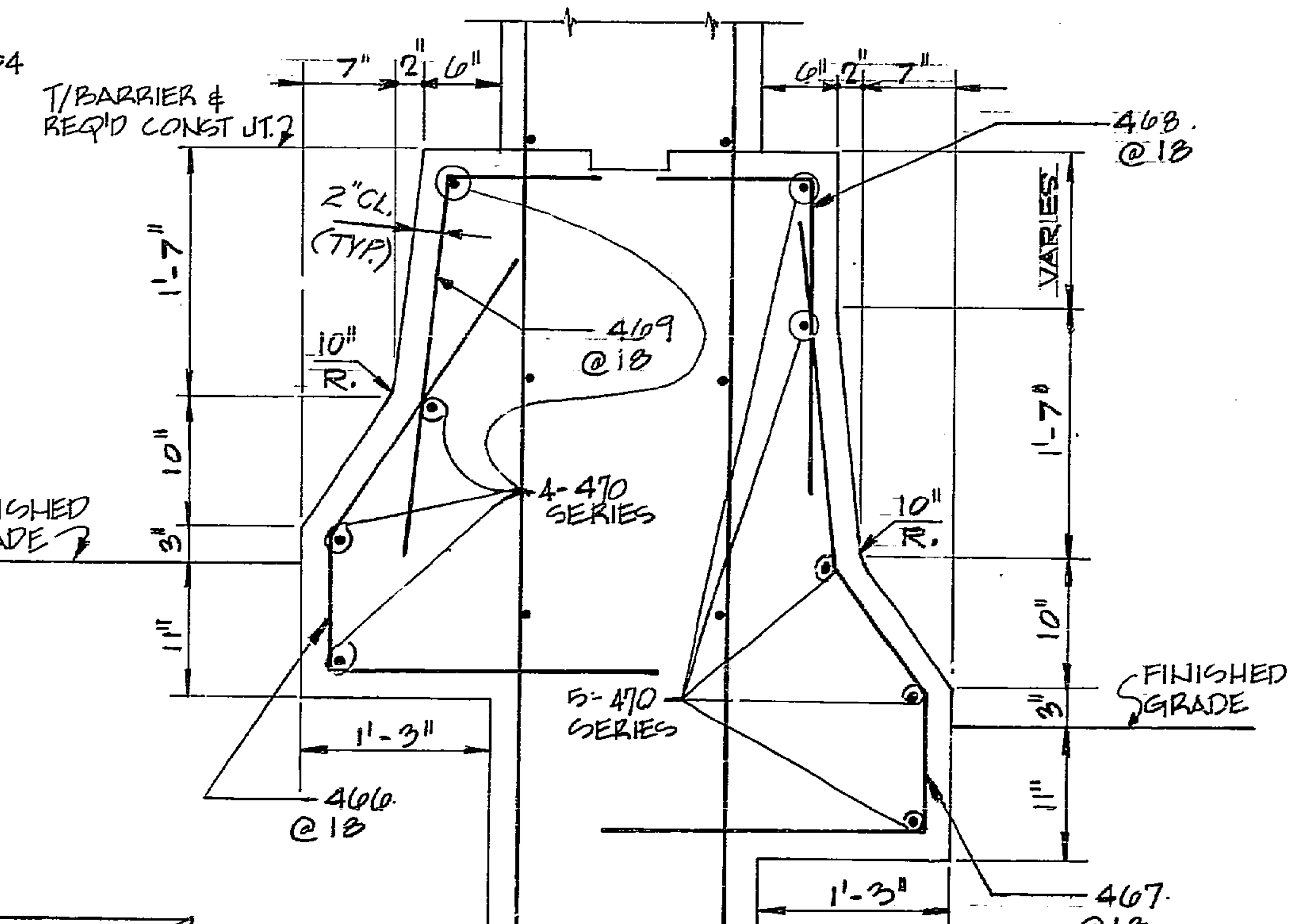
FENCE-POST SLEEVE AND ANCHOR-BOLT HOLE
WEATHERPROOFING DETAIL
N.T.S.



BARRIER DETAIL AT ABUTMENTS & RETAINING WALLS
N.T.S.



GUARDRAIL ATTACHMENT DETAIL
3/8" = 1'-0



BARRIER DETAIL AT CENTER PIER
SCALE: 1" = 1'-0"

CONCRETE STAIN PROTECTION:

THE SUBSTRUCTURE AND RETAINING WALLS SHALL BE PROTECTED FROM STAINING DUE TO THE OXIDE COATING OF THE UNPAINTED STRUCTURAL STEEL.

PRIOR TO ERECTION OF ANY STRUCTURAL STEEL, THE CENTER PIER SHALL BE FINISHED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS AND THE ENTIRE PIER THEN COATED (FROM 6" BELOW I-75 FINISHED GRADE TO AND INCLUDING TOP OF PIER) WITH PROTECTIVE TREATMENT MATERIALS. THE EXPOSED FRONT FACES OF ABUTMENTS, WINGWALLS, AND RETAINING WALLS (ADJACENT TO THE ABUTMENTS AND PARALLEL TO I-75) SHALL ALSO BE TREATED IN A SIMILAR MANNER. BARRIERS, LOCATED AT I-75 FINISHED GRADE ELEVATIONS, SHALL ALSO BE PROTECTED AND TREATED.

ANY RUST STAINS WHICH OCCUR ON CONCRETE SURFACES DUE TO THE IMPROPER APPLICATION OF PROTECTIVE TREATMENT SHALL BE REMOVED AND THE MATERIALS REAPPLIED.

ANY RUST STAINS WHICH OCCUR PRIOR TO APPLICATION OF THE PROTECTIVE TREATMENT MATERIALS SHALL BE REMOVED BEFORE THE MATERIALS ARE APPLIED.

PROTECTIVE TREATMENT COMPOUNDS SHALL BE APPLIED AS PER THE MANUFACTURER'S RECOMMENDATIONS; HOWEVER, THE MATERIALS SHALL BE APPLIED BY SPRAYING.

SUGGESTED MANUFACTURERS OF PROTECTIVE TREATMENT MATERIALS ARE DOW CORNING, GENERAL ELECTRIC, UNION CARBIDE, AND E. A. THOMPSON CO., INC. CATALOGUE CUTS AND SPECIFICATIONS CONCERNING THE MATERIALS TO BE USED SHALL BE SUBMITTED TO THE DEPARTMENT FOR ACCEPTANCE BEFORE MATERIALS ARE ORDERED. THE SCHEME OF APPLICATION SHALL ALSO BE SUBMITTED FOR REVIEW AND ACCEPTANCE BY THE DEPARTMENT.

THE COST OF THE PROTECTIVE TREATMENT, COMPLETE IN PLACE, SHALL BE INCLUDED IN THE PRICE BID FOR CLASS "A" CONCRETE.

BRIDGE NO. 3

APPROVED — PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

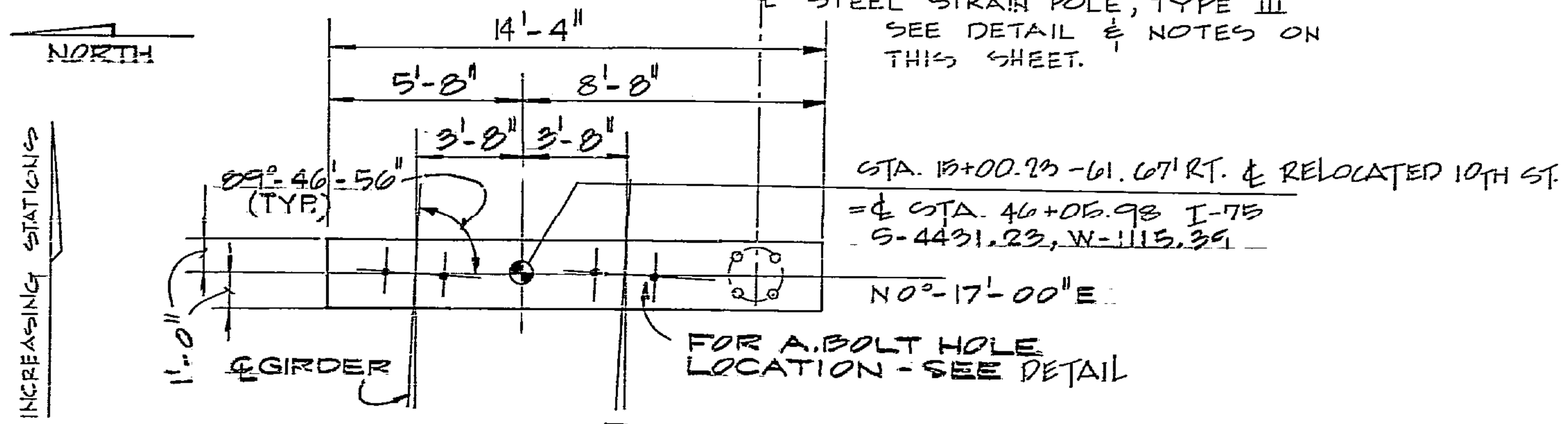
GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

SUBSTRUCTURE DETAILS
PHASES I THRU VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

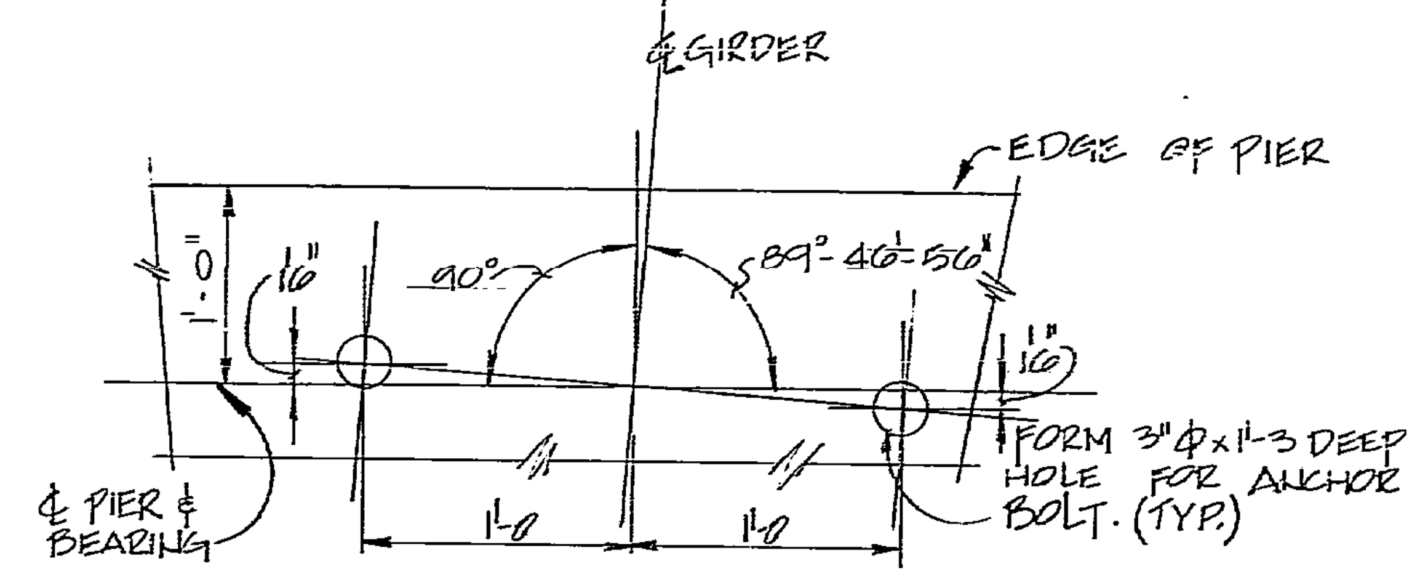
SCALE: AS SHOWN | DATE: AUG., 1979
CONSULTANT | HIGHWAY DIVISION
DESIGNED P.Z. | CHECKED W.H.L. | REVIEWED
DRAWN T.J. | REVIEWED F.R.P. | APPROVED

BRIDGE SHEET
B-39 OF 44

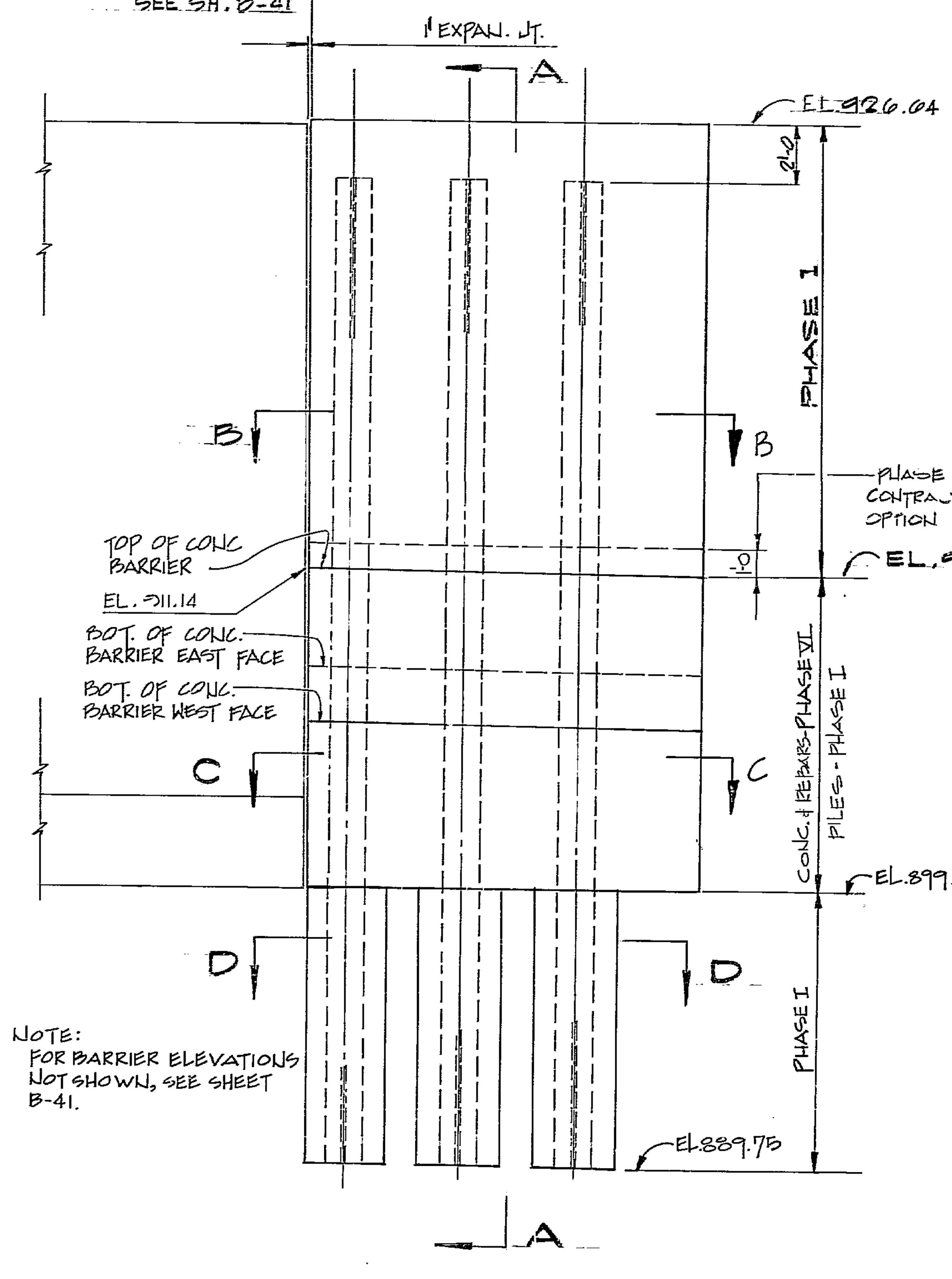
STATE AID PROJ. NO.	FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256 CT. 2		108	177



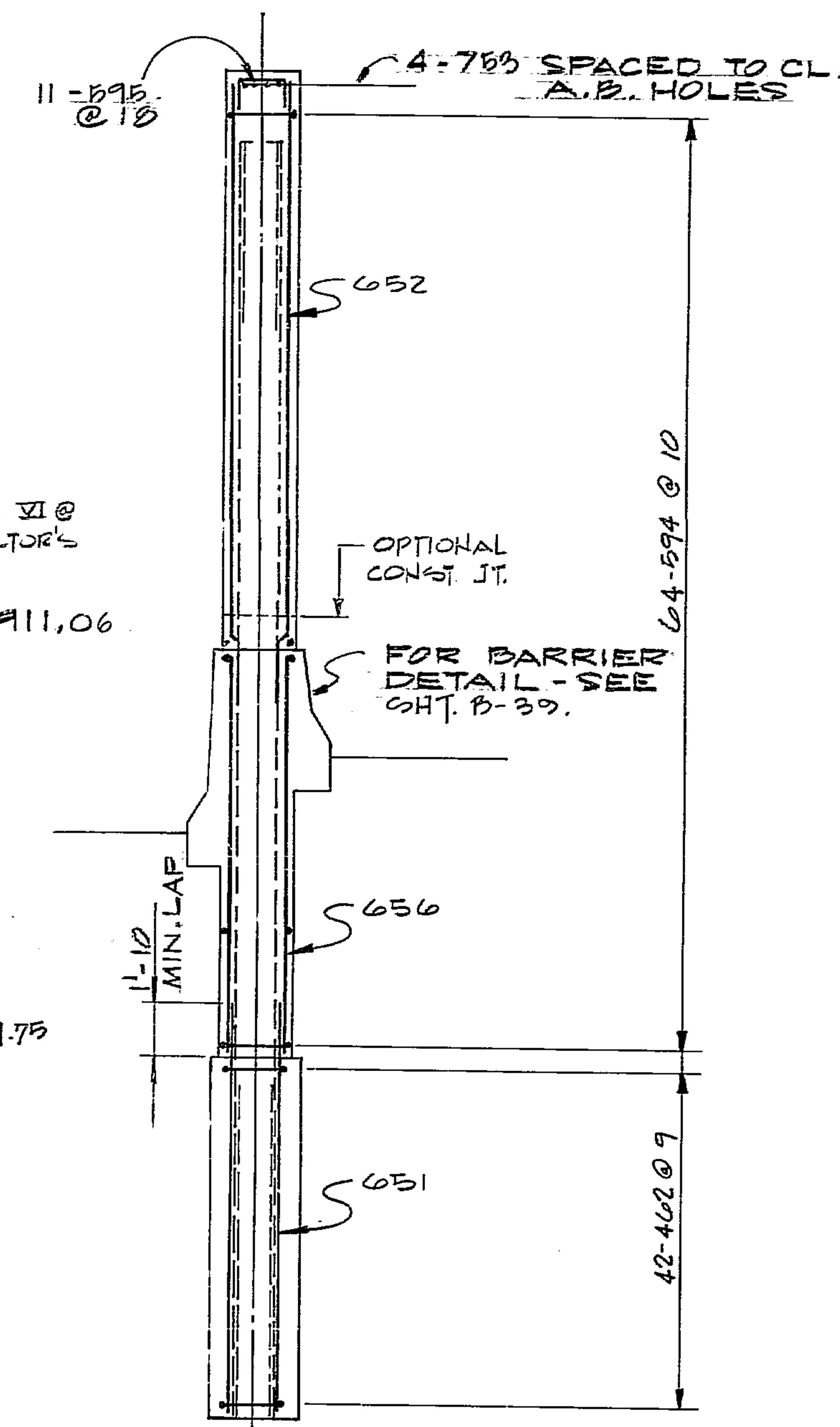
PLAN
1/4" = 1'-0"



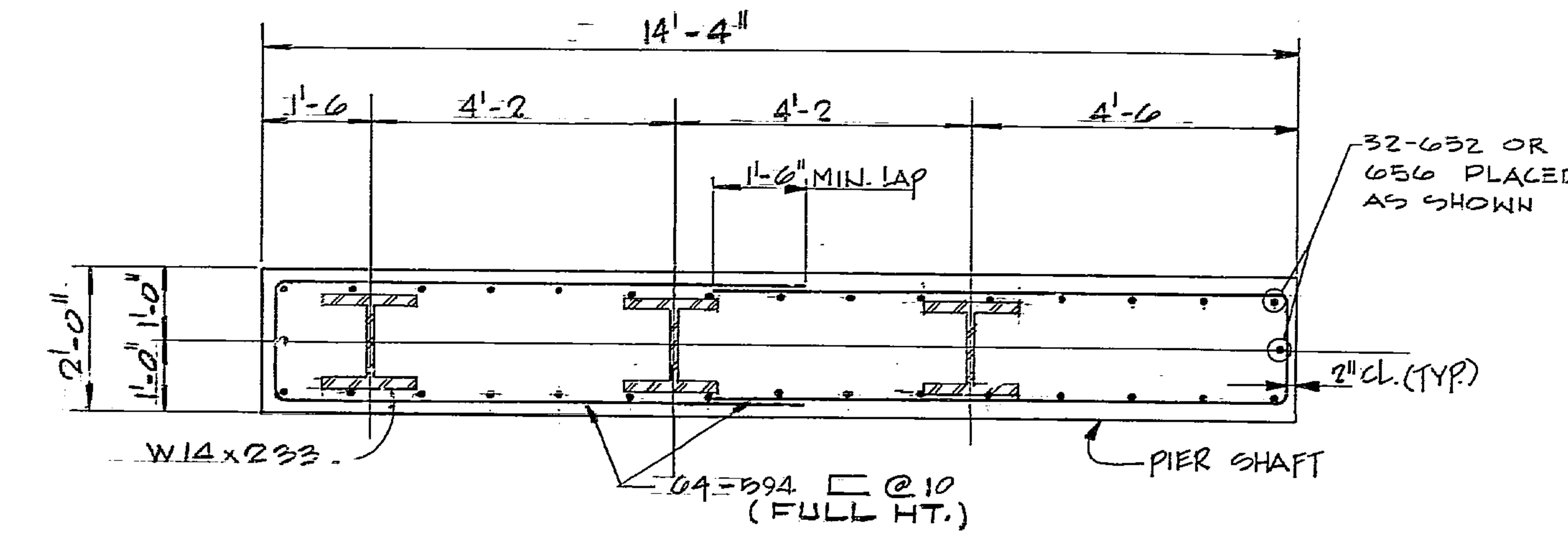
ANCHOR BOLT HOLE LAYOUT
NO SCALE.



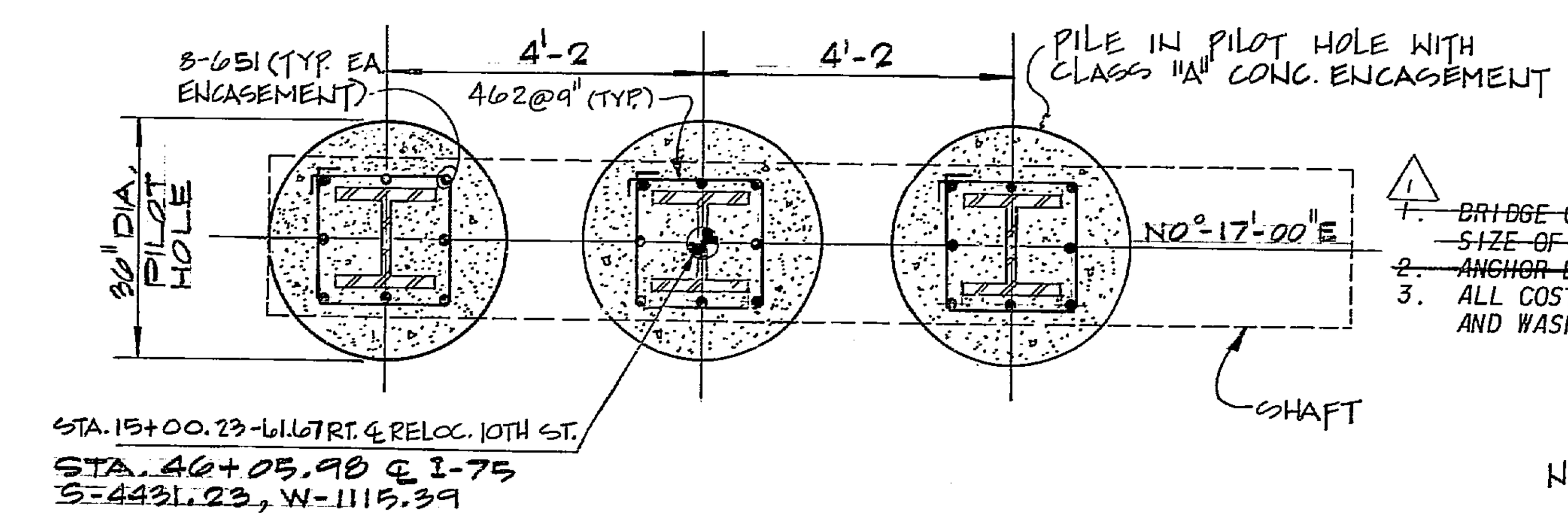
ELEVATION
1/4" = 1'-0"
(WEST FACE SHOWN)



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



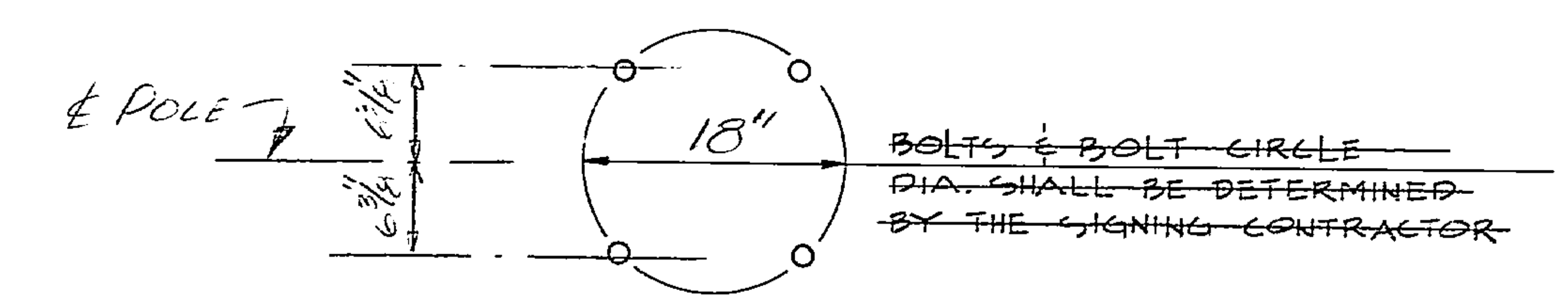
SECTION B-B
SECT. C-C (SIMILAR)
1/2" = 1'-0"



SECTION D-D
1/2" = 1'-0"

PHASE I-CONSTRUCTION PROCEDURE FOR PORTION OF CENTER PIER FOR WATER MAIN SUPPORT

1. USE THE EXISTING BRIDGE AS A WORK PLATFORM FOR THE AUGER AND OTHER CONSTRUCTION EQUIPMENT. CONSTRUCTION EQUIPMENT WILL NOT BE ALLOWED WITHIN THE EXISTING FREEWAY MEDIAN AREA DURING PHASES I & II WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. (THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL REPAIR ANY DAMAGE TO THE EXISTING BRIDGE WHICH HE CAUSES PRIOR TO SCHEDULED DISMANTLEMENT OF EXISTING BRIDGE.)
2. DRILL PILOT HOLES.
3. INSTALL AND ENCASE PILES.
4. CONSTRUCT SHAFT ABOVE TOP OF BARRIERS. (COMPLETE SHAFT CONSTRUCTION DURING PHASE VI.)

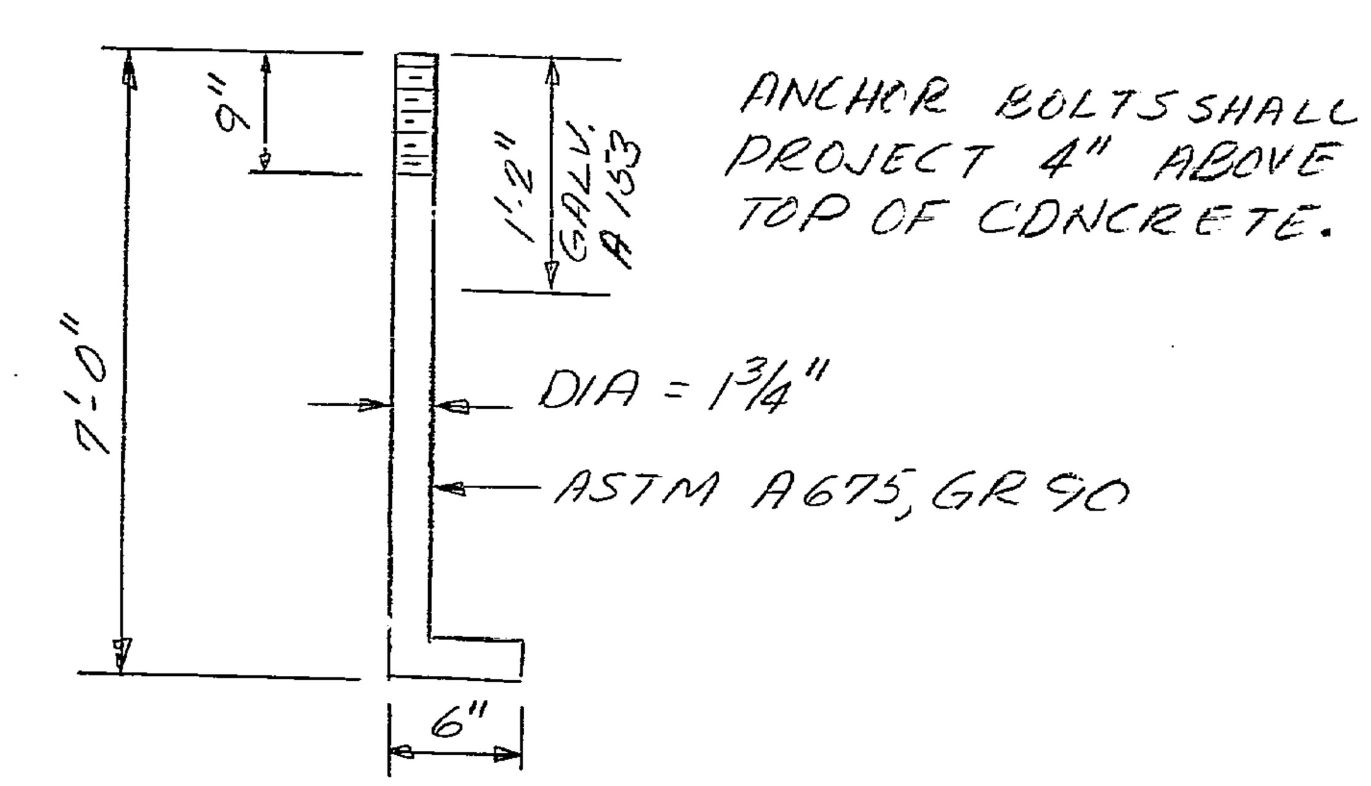


⚠ STRAIN POLE ANCHOR BOLT LAYOUT
N.T.S.

NOTES FOR STRAIN POLES:

1. ~~BRIDGE CONTRACTOR SHALL COORDINATE WITH SIGNING CONTRACTOR TO DETERMINE LOCATION AND SIZE OF ANCHOR BOLTS.~~
2. ~~ANCHOR BOLT EMBEDMENT SHALL BE BETWEEN 4 FEET AND 6 FEET.~~
3. ALL COSTS FOR FURNISHING AND INSTALLING, COMPLETE IN PLACE, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN PRICE BID FOR "STRUCTURAL STEEL-LUMP SUM".

NOTES:
1. MAINTAIN 2" CLEARANCE IN SHAFT AND 3" CLEARANCE IN PILE ENCASEMENT FOR REINFORCING BARS.
2. PILES SHALL BE A.S.T.M. A588, GRADE 50 WEATHERING, AND QUANTITIES SHALL BE INCLUDED WITH LUMP STRUCTURAL STEEL.



STRAIN POLE ANCHOR BOLT DETAIL ⚠

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 4253 FRANCIS ROBERT PRYBYLOWSKI

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

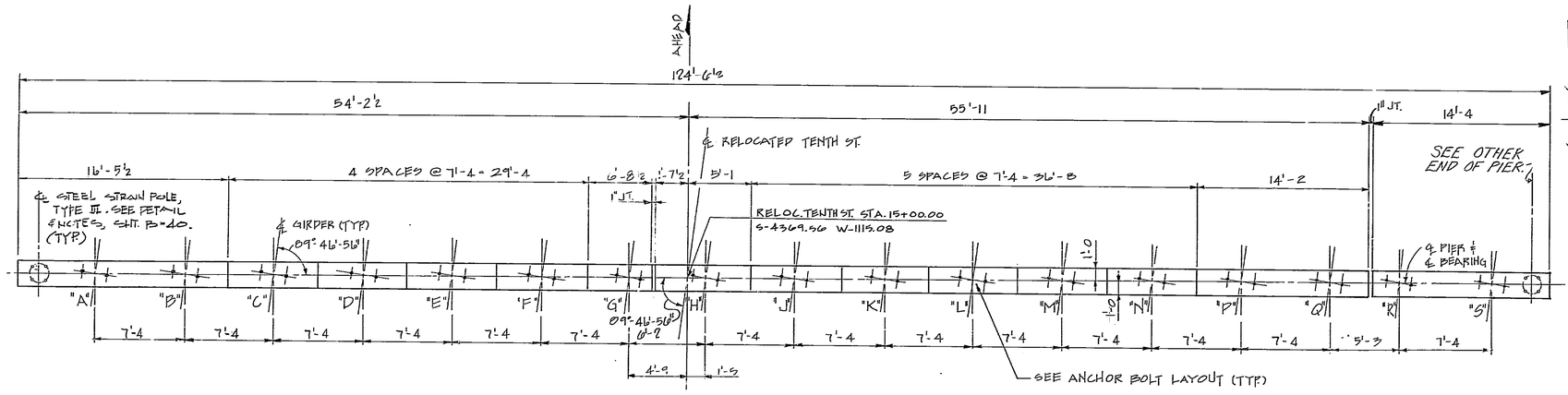
CENTER PIER AT WATER MAIN
PHASES I & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41)256

REVISIONS: ⚠ ADD DETAIL ST POLE

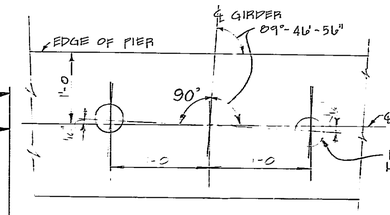
SCALE AS SHOWN
CONSULTANT
DESIGNED P.Z. CHECKED W.H.L.
DRAWN W.J.P. REVIEWED F.R.P.
HIGHWAY DIVISION
REVIEWED
APPROVED

BRIDGE SHEET B-40 OF 44

STATE AID PROJ. NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41) 256 CT. 2		109	177

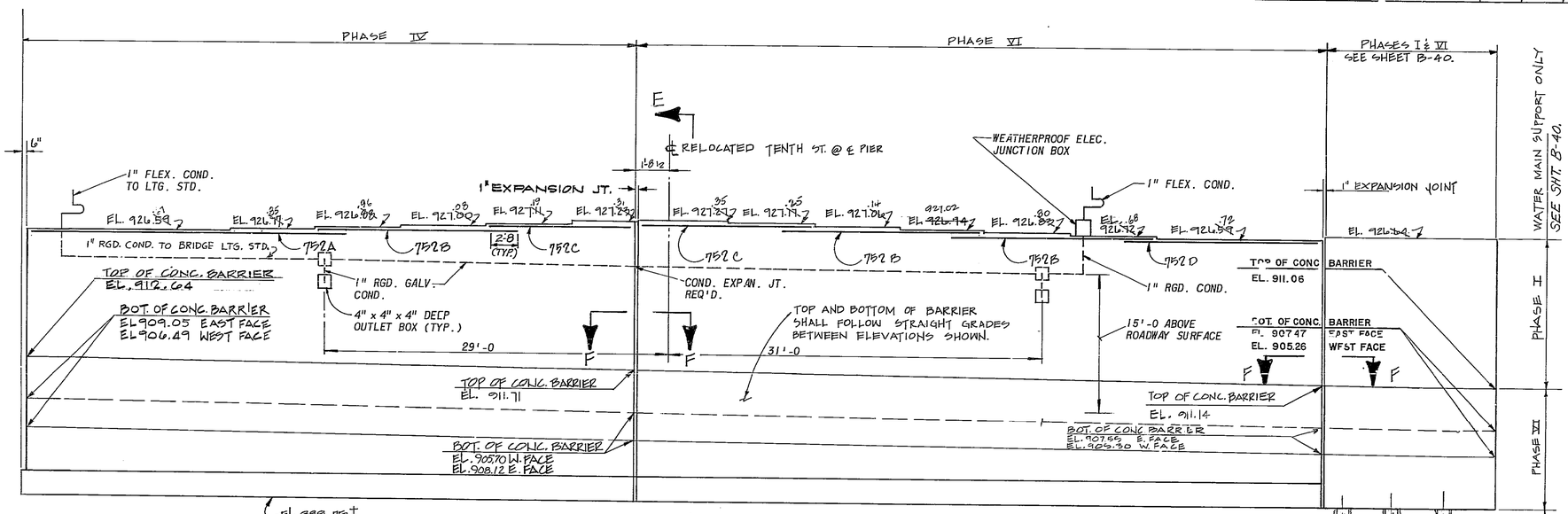


PLAN-CENTER PIER
3/16"=1'-0

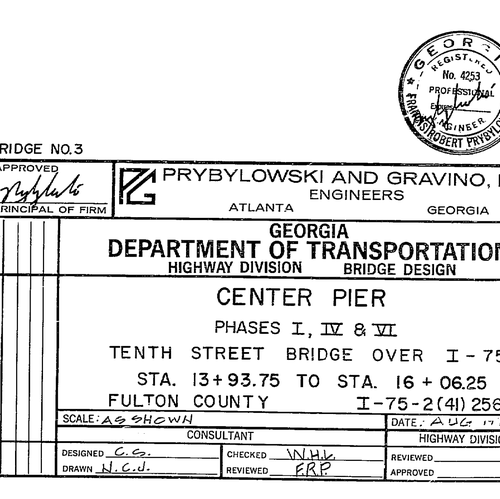


ANCHOR BOLT HOLE LAYOUT
NO SCALE

TABLE OF QUANTITIES	PHASE I	PHASE IV	PHASE VI
CU YD CL. "A" CONC.	23.09	182.51	213.18
LB. BAR REINF. STEEL	2434	12,797	15,133

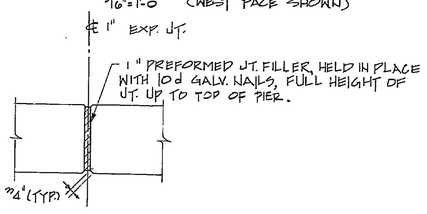


NOTE: 1. MAINTAIN 2" CL. (SHAFT) AND 3" CL. (FOOTING) FOR ALL EXTERIOR REINF.
2. AN ALLOWABLE SOIL BEARING CAPACITY = 6000 P.S.F. MIN. MUST BE ACCEPTED BY A SOILS ENGINEER BEFORE FOOTING CONC. IS PLACED.
3. FOR ADDITIONAL DETAILS, SEE SHT. B-39

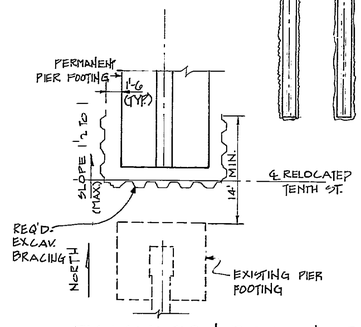


SECTION E-E
1/4"=1'-0

ELEVATION-CENTER PIER
3/16"=1'-0 (WEST FACE SHOWN)



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



EXCAVATION BRACING PLAN-PHASE IV
N.T.S.

BRIDGE SHEET B-41 OF 44

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

CENTER PIER
PHASES I, IV & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25
FULTON COUNTY I-75-2(41) 256

SCALE: AS SHOWN DATE: AUG. 1971

CONSULTANT HIGHWAY DIVISION

DESIGNED C.G. CHECKED W.W.L.
DRAWN W.C.J. REVIEWED E.R.P.
REVIEWED
APPROVED

REVISIONS BY DATE

GEORGIA REGISTERED No. 4253 PROFESSIONAL ENGINEER FRANCIS ROBERT PRYBYLOWSKI

TELEDYNE POST N56871

BAR REINFORCEMENT — SUBSTRUCTURE

STATE AID PROJ NO	FED ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
	3	GA	I-75-2 (41)256		110	177

CT. 2

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	H	J	Ø	TOTAL NO REQ'D	NO. REQ'D PER PHASE WEST ABUTMENT I	II	IV	VI	EAST ABUTMENT I	II	IV	VI	CENTER PIER I	IV	VI	LOCATION AND REMARKS
451	3'-3	3		2'-8	0'-7								384	46	75	39	33	46	75	39	33				BEAM SEAT
452	2'-10	21	2	1'-4	1'-0								148		25	25	23		25	26	23				BACKWALL
453A	45'-6	1											47	20				27							FOOTING
453B	36'-0	1											11	6				5							FOOTING
453C	37'-3	1											116		52				64						FOOTING
454	9'-0	1											131	46	75										FOOTING
455	16'-3	25	4	4'-0	4'-9				4				12	12											FOOTING
456	10'-0	46		1'-0	4'-9	1'-2	2'-2	2'-2					12	12											FOOTING
457	17'-7	14		5'-7	3'-6	1'-0	3'-6	4'-0					5					5							FOOTING
458	10'-6	4		6'-0	4'-6							45°	16					16							FOOTING
459A	52'-6	1											16									16			FOOTING
459B	57'-0	1											16										16		FOOTING
460	11'-6	1											75									36	39		FOOTING
461	5'-0	2		1'-8	1'-8	1'-8							111									53	58		BEAM SEAT
462	1'-5	25	4	1'-8	1'-8				4				42									42			PILES
463	3'-2	4		2'-0	1'-2							84°	166	32	51			32	51						BARRIER
464	5'-3	23		1'-0	1'-11	2'-4						35°	166	32	51			32	51						BARRIER
465A	45'-8	1											8	4				4							BARRIER
465B	37'-4	1											16		8				8						BARRIER
466	5'-3	23		1'-0	1'-11	2'-4						35°	86									11	36	39	BARRIER
467	6'-3	36		1'-0	0'-10	2'-4	0'-3	0'-7		0	1'-11		86									11	36	39	BARRIER
468	4'-9	3		3'-7	1'-2								86									11	36	39	BARRIER
469	3'-2	4		2'-0	1'-2							84°	86									11	36	39	BARRIER
470A	52'-2	1											9										9		BARRIER
470B	57'-2	1											9											9	BARRIER
470C	14'-0	1											9											9	BARRIER
473	3'-5	25	4	0'-8	0'-8				4				8		4				4						END POST
474	22'-5	25	4	5'-5	5'-5				4				4	2				2							BACKWALL
475	12'-5	25	4	4'-5	1'-5				4				8			4					4				BACKWALL
476	9'-6	24		4'-0	4'-6	1'-0	3'-2	0'-9					16					16							FOOTING
477	8'-5	25	4	1'-11	1'-11				4				8			2	2			2	2				BACKWALL
478	6'-8	2		0'-8	3'-0	3'-0							24		5		7		5		7				SIDEWALK
479	7'-6	1											12	12											FOOTING
479A	2'-9	25	4	0'-8	0'-4				4				10	5				5							BACKWALL
554	12'-2	4		11'-10		0'-4						80°	1			1									SIDEWALK
555	4'-8	3		2'-8	2'-0								10	5				5							BACKWALL
556	3'-0	3		2'-0	1'-0								12		6				6						CLOSURE WALL
557	4'-4	3		2'-8	1'-8								12		6				6						CLOSURE WALL
558	4'-8	1											12		6				6						CLOSURE WALL
559	3'-3	1											8		4				4						CLOSURE WALL
560	12'-11	1											121	46	75										SHAFT
561	20'-4	1											121	46	75										DOWELS
562	5'-0	1											108	33	75										DOWELS
563	9'-2	1											121	46	75										SHAFT
564	4'-1	1											110		38	39	33								BACKWALL
565	5'-2	1											110		38	39	33								BACKWALL
566A	45'-8	1											92	36				56							SHAFT
566B	37'-5	1											184		72				112						SHAFT
566C	31'-9	1											8			6					2				SHAFT
566D	15'-4	1											8	6				2							SHAFT
566E	37'-4	1											8			6				2					SHAFT
566F	37'-9	1											8		6				2						SHAFT
567A	31'-9	1											22				11				11				BACKWALL
567B	37'-4	1											22			11				11					BACKWALL
567C	37'-0	1											22		11				11						BACKWALL
568	6'-6	1											13	13											DOWELS
569	3'-3	1											12		6				6						CLOSURE WALL
570	9'-0	1											7					7							FOOTING
571	6'-0	3		3'-4	2'-8								10	5				5							BACKWALL
572	9'-9	1											36	18				18							BACKWALL
573A	16'-6	3		14'-6	2'-0								6	3				3							BACKWALL
573B	17'-10	3		15'-2	2'-8								6	3				3							BACKWALL
574	14'-10	1											121	46	75										SHAFT
575A	4'-10	1											6	2				4							BACKWALL
575B	6'-6	1											12	6				6							BACKWALL
576A	16'-2	3		13'-6	2'-8								4	2				2							BACKWALL
576B	14'-10	3		12'-10	2'-0								4	2				2							BACKWALL
577	8'-8	2		0'-8	4'-0	4'-0							10	5				5							BACKWALL
579A	11'-10	4		11'-6	0'-4							80°	3			1									SIDEWALK
579B	7'-10	4		7'-6	0'-4							80°	4		2				2						SIDEWALK
582	6'-3	1											108					33	75						DOWELS
583	9'-9	1											121					46	75						SHAFT
584	20'-5	1											121					46	75						SHAFT
585	17'-4	1											121					46	75						SHAFT
586	17'-0	1											121					46	75						SHAFT
587	5'-2	1											110						38	39	33				BACKWALL
588	4'-4	1											110						38	39	33				BACKWALL
589	3'-0	1											8	2	2			2	2						SHAFT

BAR REINFORCEMENT — SUBSTRUCTURE

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	H	J	Ø	TOTAL NO REQ'D	NO. REQ'D PER PHASE WEST ABUTMENT I	II	IV	VI	EAST ABUTMENT I	II	IV	VI	CENTER PIER I	IV	VI	LOCATION AND REMARKS
590	9'-9	1											13									13			DOWELS
591	5'-0	25	4	1'-4	0'-8						4		28				14								BACKWALL
592	4'-6	1											2	2											BACKWALL
593A	52'-2	1											66										66		SHAFT
593B	57'-2	1											66											66	SHAFT
594	17'-0	2		1'-8	7'-8	7'-8							64									36	28		SHAFT
595	4'-2	2		1'-8	1'-3	1'-3							11									11			BEAM SEAT
596	14'-2	1											21	21											DOWELS
597	10'-0	1											21	21											COUNTERFORT
598A	17'-8	2		5'-8	6'-0	6'-0							42	17								25			COUNTERFORT
598B	7'-2	3		6'-2	1'-0								84	34								50			COUNTERFORT
598C	8'-6	4		7'-0	1'-6							45°	14	7								7			COUNTERFORT
598D	5'-8	1											22	11								11			COUNTERFORT
599A	17'-3	1											21									21			DOWELS
599B	18'-9	1											21									21			COUNTERFORT
651	12'-0	1											24										24		PILES
652	17'-8	1											32										32		SHAFT
653	16'-4	3		15'-4	1'-0								222											106	116 DOWELS
654	13'-7	1											222											106	116 SHAFT
655	14'-4	1											4				2				2				BACKWALL
656	11'-0	1											32											32	SHAFT
657	4'-0	1											6	6											FOOTING
751A	10'-0	1											8			4				4					BEAM SEAT
751B	21'-8	1											8		4				4						BEAM SEAT
751C	20'-6	1											8			4				4					BEAM SEAT
751D	11'-11	1											8			4				4					BEAM SEAT
751E	19'-7	1											8				4				4				BEAM SEAT
751F	14'-11	1											8				4				4				BEAM SEAT
751G	13'-6	1											8	4											BEAM SEAT
751H	16'-11	1											8		4										BEAM SEAT
752A	26'-4	1											4										4		BEAM SEAT
752B	17'-2	1											12										4	8	BEAM SEAT
752C	13'-9	1											8										4	4	BEAM SEAT
752D	16'-8	1											4											4	BEAM SEAT
753	14'-0	1											4										4		BEAM SEAT
754A	37'-3	1											8		4										BEAM SEAT
754B	31'-9	1											8	4											BEAM SEAT
851	15'-9	1											230		82	148									FOOTING
852	23'-5	5		12'-10	10'-7							80°	108		33	75									DOWELS
853	23'-5	5		12'-10	6'-7							80°	13	13											DOWELS
854	16'-9	1											7	7											FOOTING
855	15'-9	1											6	6											FOOTING
856	21'-6	1											230									82	148		FOOTING
857	14'-3	1											11									11			FOOTING
859	11'-6	1											149											71	78 FOOTING
860	12'-9	1											11	11											FOOTING
952	9'-9	1											20	10								10			BACKWALL
953	30'-1	5		15'-4	14'-9							81°	121									46	75		DOWELS
954	22'-7	1											121									46	75		DOWELS
955	21'-6	1											138									63	75		FOOTING

FOR BAR REINF NOTES, SEE BRIDGE SHT. B-43.

BRIDGE NO. 3

APPROVED
PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC.
ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

BAR REINFORCEMENT DETAILS-SHT.1
PHASES I, II, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2 (41)256

SCALE: NONE DATE: AUG. 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED LMC CHECKED WHL
DRAWN K. N.J. REVIEWED FAG
REVIEWED
APPROVED

REVISIONS BY DATE

BRIDGE SHEET B-42 OF 44

STATE AID PROJ NO	FED ROAD DIV. NO.	STATE	FED. AID PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	3	GA.	I-75-2 (41)256		111	177

CT. 2

BAR REINFORCEMENT — PRECAST PANELS

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	H	J	K	N	Ø	TOTAL NO. REQ'D.	NO. REQ'D PER PANEL MARKS "1"	"24"	"2" THRU "23"	LOCATION AND REMARKS
430	8'-8	1													88			4	SIDE
431	3'-4	1													164	5	5	7	SIDE
432	5'-10	1													8	4	4		SIDE
433	11'-0	1													288	13	11	12	TOP
434	4'-9	1													132			6	TOP
435	8'-8	1													374			17	TOP
436	2'-9	1													264			12	TOP
437	3'-1	1													132			6	TOP
438	4'-0	1													88			4	TOP
439	5'-10	1													43	20	23		TOP
440	3'-0	1													2		2		TOP
441	2'-9	47		0'-6½	0'-1¾	2'-0	0	0'-1¾		0					45			45	TOP "16" THRU "20"
442	2'-5	1													3		3		TOP
443	1'-9	1													3		3		TOP
444	9'-5	1													3		3		TOP

BAR REINFORCEMENT — SUPERSTRUCTURE

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	H	J	K	N	Ø	TOTAL NO.REQD	NO. REQUIRED PER PHASE IV	VI	LOCATION AND REMARKS
400A	41'-3	1													348	160	188	SLAB & SIDEWALK
400B	50'-0	1													87	40	47	SLAB & SIDEWALK
402C	26'-9	1													8	4	4	PARAPET
402D	24'-7	1													24	12	12	PARAPET
402E	25'-1	1													48	24	24	PARAPET
402F	25'-10	1													16	8	8	PARAPET
403	8'-9	25	4	2'-9	1'-3				4						4	2	2	LIGHT STD.
404	11'-9	2		2'-9	4'-6	4'-6									2	1	1	LIGHT STD.
405	2'-9	1													4	2	2	LIGHT STD.
406	11'-11	4		11'-7	0'-4									80°	143		143	SIDEWALK
407	7'-11	4		7'-7	0'-4									80°	143	143		SIDEWALK
408	4'-5	40		1'-2	1'-2	0'-9	0'-8	0'-8							8	4	4	PARAPET
500A	41'-6	1													500	232	268	SLAB
500B	50'-0	1													125	58	67	SLAB
501	53'-2⅝	1													231		231	SLAB
502	55'-3½	44		0'-4⅝	3'-7½	2'-11¼	5'-10¾	2'-11¼			53'-2⅝	0		45°	229		229	SLAB
503	53'-2⅝	1													231		231	SLAB
504	45'-10⅝	1													231	231		SLAB
505	47'-7⅜	44		0'-4⅝	3'-7½	2'-11¼	5'-10¾	2'-11¼			45'-10⅝	0		45°	229	229		SLAB
506	45'-10⅝	1													231	231		SLAB
507	6'-1	1													458	229	229	SLAB
508	5'-4	3		4'-6	0'-10										8	4	4	LIGHT STD.
509	4'-2	11-3		0'-10	2'-6	0'-10	0	0							8	4	4	LIGHT STD.
510	54'-0	1													72		72	SLAB
600	9'-6	40		3'-3	3'-3	0'-9	1'-3	1'-0							472	236	236	PARAPET
700	11'-8	3		9'-6	2'-2										920	460	460	SLAB
800	12'-5	3		9'-6	2'-11										920	460	460	SLAB
801	5'-4	2		3'-10	0'-9	0'-9									62		62	SLAB
901A	10'-8	1													69	32	37	SLAB
901B	50'-0	1													69	32	37	SLAB
901C	21'-2	1													69	32	37	SLAB

BAR REINFORCEMENT NOTES:

1. WHERE BARS VARY IN LENGTH, THE AVERAGE LENGTHS AND DIMENSIONS ARE SHOWN FOR QUANTITY ESTIMATE ONLY. BARS SHALL BE DETAILED FOR ACTUAL LENGTHS AND ACTUAL DIMENSIONS.
2. BAR REINFORCEMENT DETAILS ARE FOR CONTINUOUS BARS OF THE LENGTHS SHOWN.

BRIDGE SHEET B-43 OF 44

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

BAR REINFORCEMENT DETAILS-SHT. 2
PHASES I, II, IV, & VI
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2 (41)256

SCALE NONE DATE AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED _____ CHECKED WLL
DRAWN LMD REVIEWED RPP
REVIEWED _____ APPROVED _____

DATE 5-16-79
REVISIONS
BY

BAR REINFORCEMENT DETAILS - RETAINING WALLS

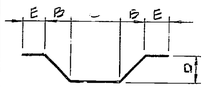
FED ROAD DIV NO	STATE	STATE AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
3	GA	I-75-2 (41) 256 CT. 2		112	177

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	Ø	PHASES I NO. REQ'D PER WALL 10-1	II 10-5	I 10-G	II 10-G-1	NO. REQ'D	REMARKS
463	31'-2	4		2'-0	11'-2					84°	32	20	25	33	110	BARRIERS
464	5'-3	23		1'-0	1'-11	2'-4				35°	32	25	25	33	115	BARRIERS
465C	20'-10	1									4				4	BARRIER
465D	23'-9	1									4	4	4	4	16	BARRIERS
465E	15'-9	1										4			4	BARRIER
465F	12'-7	1											4		4	BARRIERS
465G	24'-10	1												4	4	BARRIERS
480A	7'-0	1									17				17	SHAFT
480B	7'-6	1										17			17	SHAFT
481A	VARIES	1		AVG. LENGTH = 15.20'							17				17	SHAFT
481B	VARIES	1		AVG. LENGTH = 12.55'								17			17	SHAFT
482A	18'-3	1												50	50	FOOTING
482B	4'-9	1												31	31	DOWELS
482C	8'-6	1												31	31	SHAFT
482D	5'-10	1														SHAFT
482E	19'-0	1											37		37	FOOTING
482F	7'-0	1											25		25	SHAFT
482G	6'-4	1												3	3	SHAFT
482H	13'-2	24		5'-4	3'-11	3'-11	2'-9	2'-9						14	14	FOOTING
483	13'-0	14		4'-1	2'-0	3'-11	2'-0	1'-0						14	14	FOOTING
484A	22'-6	1												34	34	SHAFT
484B	4'-11	1											25		25	SHAFT
484C	25'-6	1											25		25	SHAFT
484D	8'-8	46		1'-0	5'-0	0'-6	1'-6	1'-6					14		14	FOOTING
485A	23'-9	1												24	24	SHAFT
485B	24'-9	1												24	24	SHAFT
485C	23'-10	1												44	44	SHAFT
485D	4'-1	1												4	4	SHAFT
485E	15'-8	1												4	4	SHAFT
486A	11'-0	1											24		24	SHAFT
486B	12'-0	1											26		26	SHAFT
486C	23'-10	1											50		50	SHAFT
487A	34'-8	1											28		28	FOOTING
487B	39'-5	1												14	14	FOOTING
487C	47'-5	1												14	14	FOOTING
488A	12'-8	2		9'-4	1'-8	1'-8								18	18	SHAFT
488B	5'-5	2		1'-5	2'-0	2'-0								2	2	SHAFT
488C	8'-1	2		4'-1	2'-0	2'-0								2	2	SHAFT
489A	3'-6	1									9	17			26	DOWELS
489B	5'-3	1									8		25		33	DOWELS
490A	VARIES	1		AVG. LENGTH = 10.52'							15				15	SHAFT
490B	VARIES	1		AVG. LENGTH = 10.34'								11			11	SHAFT
491A	22'-0	1									2				2	SHAFT
491B	VARIES	1		AVG. LENGTH = 9.92'							14				14	SHAFT
491C	19'-10	1									10				10	SHAFT
491D	26'-5	1									2	2			4	SHAFT
491E	VARIES	1		AVG. LENGTH = 11.67'							16	16			32	SHAFT
491F	24'-9	1									12	10			22	SHAFT
491G	23'-9	1									10	10			20	SHAFT
491H	15'-6	1										2			2	SHAFT
491J	VARIES	1		AVG. LENGTH = 7.37'								12			12	SHAFT
491K	14'-9	1										10			10	SHAFT
492A	21'-3	1									14				14	FOOTING
492B	23'-5	1									14	24			38	FOOTING
492C	15'-3	1									10				10	FOOTING
492D	16'-2	1										14			14	FOOTING
493	6'-1	3		4'-4	1'-9						15	11			26	DOWELS
494A	9'-8	46		1'-0	4'-3	0'-6	2'-9	2'-9				12			12	FOOTING
494B	11'-9	46		1'-0	6'-0	0'-6	3'-0	3'-0						14	14	FOOTING
495	6'-6	34	6	2'-0	1'-9	2'-0	1'-9					7			7	FOOTING
496	14'-1	25	4	2'-8	4'-0				4	5					5	FOOTING
497	9'-7	46		1'-0	4'-0	1'-0	2'-6	2'-6		5					5	FOOTING
498	9'-0	34	6	2'-0	3'-6	2'-0	3'-6			7					7	FOOTING
499	10'-10	46		1'-0	4'-9	0'-6	3'-3	3'-3		12					12	FOOTING
530	16'-3	14		5'-7	4'-4	1'-0	4'-4	1'-0						6	6	FOOTING
531	22'-1	60		4'-3	8'-0	4'-3	1'-0							7	7	FOOTING
532	8'-0	1												5	5	FOOTING
663	15'-6	1									16	25			41	FOOTING
664	8'-6	1									9				9	FOOTING
665	4'-0	1												4	4	SHAFT

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	Ø	PHASES I NO. REQ'D PER WALL 10-1	II 10-5	I 10-G	II 10-G-1	NO REQ'D	REMARKS
755	13'-11	1									25	25			50	DOWELS
756	11'-8	4		8'-6	3'-2					45°				16	16	FOOTING
870	7'-9	1									28	21			49	FOOTING
871	15'-6	1									38	48			86	FOOTING
872	18'-3	1												98	98	FOOTING
873	8'-6	1									10				10	FOOTING
960	25'-5	1												50	50	SHAFT
961	10'-2	1												50	50	SHAFT
962	12'-0	1											37		37	SHAFT
963	28'-9	1											37		37	SHAFT
964	8'-9	1											37		37	SHAFT
965A	VARIES	1			AVG. LENGTH = 13.19'						28				28	SHAFT
965B	VARIES	1			AVG. LENGTH = 12.84'							21			21	SHAFT
967	9'-7	1									14	25			39	FOOTING
969	7'-9	1									15	11			26	FOOTING
971	14'-0	3		11'-3	2'-9						13				13	FOOTING
972	7'-0	3		4'-3	2'-9						10				10	FOOTING
974	15'-4	1									25	25			50	DOWELS
975A	VARIES	1			AVG. LENGTH = 14.64'						25				25	SHAFT
975B	VARIES	1			AVG. LENGTH = 13.44'							25			25	SHAFT
976	18'-5	1												47	47	DOWELS
977	9'-0	1												50	50	SHAFT
978	19'-0	1											71		71	FOOTING
979A	18'-4	1												14	14	DOWELS
979B	8'-6	1												8	8	SHAFT
980A	9'-0	1												11	11	SHAFT
980B	20'-10	1												11	11	SHAFT
1150	26'-10	5		14'-5	12'-5					82°				47	47	DOWELS
1151	18'-0	1											37		37	DOWELS
1152	26'-8	5		13'-11	12'-9					82°			37		37	DOWELS
1153	10'-10	1												9	9	FOOTING
1154	11'-8	4		8'-6	3'-2					45°				4	4	FOOTING

MARK	LENGTH	TYPE	LETTERED DIMENSIONS A	B	C	D	E	F	G	H	J	K	N	e	NO REQ'D	REMARKS

FOR BAR REINF NOTES, SEE BRIDGE SHT. B-43.



TYPE 60

BRIDGE SHEET B-44 OF 44

BRIDGE NO. 3

APPROVED _____ PRINCIPAL OF FIRM

PRYBYLOWSKI AND GRAVINO, INC. ENGINEERS
ATLANTA GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION BRIDGE DESIGN

BAR REINFORCEMENT DETAILS-SHT. 3
PHASES I & II
TENTH STREET BRIDGE OVER I-75
STA. 13+93.75 TO STA. 16+06.25

FULTON COUNTY I-75-2 (41)256

SCALE: NONE DATE: AUG., 1979

CONSULTANT HIGHWAY DIVISION

DESIGNED L.M. CHECKED W.H.L. REVIEWED

DRAWN J.W.D. REVIEWED F.R.P. APPROVED

REVISIONS BY DATE