



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
P. O. BOX 3265, HARRISBURG, Pa. 17120

April 20, 1982

IN REPLY PLEASE
REFER TO OUR FILE

C-18922

Ward T. Williams, Chief Counsel
Pennsylvania Department of Transportation
Traffic & Safety Building
Harrisburg, PA 17120

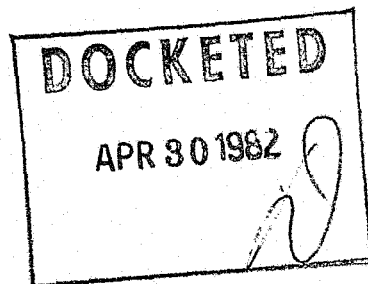
Pennsylvania Public Utility Commission

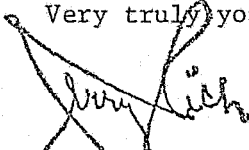
v

Department of Highways of the Commonwealth of Pennsylvania,
Union Railroad Company, City of Duquesne, County of Allegheny,
The Bell Telephone Company of Pennsylvania, Carnegie Natural
Gas Company, Duquesne Light Company, Equitable Gas Company,
and Keystone Pipe Line Company

Dear Sir:

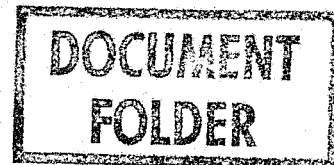
This is to inform you that the Order Nisi which was adopted in
public meeting held March 12, 1982 and entered March 25, 1982 became
final on April 15, 1982.



Very truly yours,

Jerry Rich
Secretary

EMD

Certified Mail
Receipt Requested



See attached list

Other list that was mentioned from letter of January 5, 1979 was unreadable
and very vague as to who was served so I compiled the list on the next page.

1. <u>REPORT DATE:</u>	April 23, 1982	2. <u>BUREAU AGENDA NO.</u>	
3. <u>BUREAU:</u>	Rail Transportation		MAY-82-TR-149R
4. <u>SECTION(S):</u>		5. <u>PUBLIC MEETING DATE:</u>	
6. <u>APPROVED BY:</u>			May 7, 1982
Director:	Peteritas 3-5941		
Supervisor:			
7. <u>MONITOR:</u>	Commissioner Johnson		
8. <u>PERSON IN CHARGE:</u>	Huff 7-2153		
9. <u>DOCKET NO:</u>	C-18922		

10. (a) CAPTION (abbreviate if more than 4 lines)
 (b) Short summary of history & facts, documents & briefs
 (c) Recommendation

(a) PENNSYLVANIA PUBLIC UTILITY COMMISSION
 V.
 DEPARTMENT OF TRANSPORTATION OF THE COMMONWEALTH OF PENNSYLVANIA, ET AL.

(b) By order adopted March 12, 1982, the Commission directed PennDOT to prepare and submit complete construction plans for the rehabilitation of the bridge carrying S.H.R. 736 Extended above the tracks of Union Railroad Company, in the City of Duquesne, Allegheny County.

By letter dated April 13, 1982, PennDOT submitted the aforesaid plans, consisting of 49 sheets of construction plans and structure drawings (S-14185).

(c) The Bureau of Rail Transportation recommends that the Commission approve the aforesaid plans.

WWH:llr

11. MOTION BY:	Commissioner Johnson	CommissionerChm. Shanaman - Yes
		CommissionerTaliaferro - Yes
SECONDED:	Commissioner Cawley	CommissionerJones - Yes

CONTENT OF MOTION: Staff recommendation adopted.

**DOCUMENT
FOLDER**

DOCKETED
 MAY 13 1982



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
P. O. BOX 3265, HARRISBURG, Pa. 17120

May 25, 1982

IN REPLY PLEASE
REFER TO OUR FILE

C-18922

Ward T. Williams
Pennsylvania Department
of Transportation
517 Transportation & Safety Bldg.
Harrisburg, PA 17120

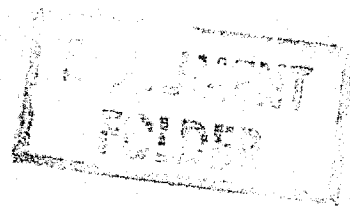
Pennsylvania Public Utility Commission
v.
Department of Transportation of the Commonwealth
of Pennsylvania, et al.

Dear Mr. Williams:

The Commission, at the Public Meeting held May 7, 1982, approved Pennsylvania Department of Transportation's plans for the rehabilitation of the bridge carrying S.H.R. 736 extended above the tracks of Union Railroad Company, in the City of Duquesne, Allegheny County.

Very truly yours,


Jerry Rich
Secretary

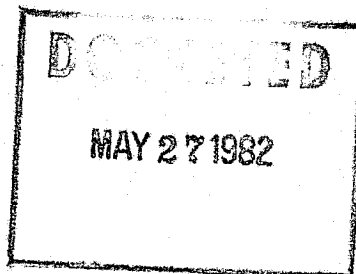


Certified Mail

cc: James H. McLean, Solicitor for Allegheny County, 919 Jones Building
Annex, Pittsburgh, PA 15219
Robert C. Capristo, Solicitor for City of Duquesne, 12 South 2nd Street,
Duquesne, PA 15110
M. Spalding Toon, President of Union Railroad Company, P.O. Box 536,
Pittsburgh, PA 15230
Bureau of Rail Transportation
Law Bureau
Elaine Deichmiller

JEL:bjc

Served to all parties of record



COMMONWEALTH OF PENNSYLVANIA



DEPARTMENT OF TRANSPORTATION

DRAWINGS FOR CONSTRUCTION OF

LEG. ROUTE 736 EXT SECTION 39

IN ALLEGHENY COUNTY

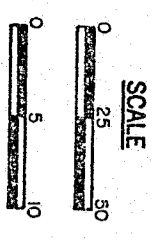
From Sta. 37 + 35.00 To Sta. 52 + 40.00 Length 1,504.32 Ft. 0.285 Mi.

P.U.C. COMPLAINT DOCKET NO. 18922

FED. PROJ. NO. BHF-19(12)

FCB	II	DISTRICT	COUNTY	CITY	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
		ALLEGHENY	DUQUESNE			736 EXT.	39	20
		STATE PROJECT NUMBER						
SYS	I.R. or W.O.	SPUR	PRJ	SECTION	DIST	CC		
3	7	3	6	X	0	7	3	3

- ALSO INCLUDES:
- 29 SHEETS OF STRUCTURE PLAN S-14185
 - 2 SHEETS OF HIGHWAY LIGHTING PLAN
 - 4 SHEETS OF MAINTENANCE & PROTECTION OF TRAFFIC
 - 1 SHEET OF PAVEMENT MARKING
 - 1 SHEET OF WATERLINE
 - 21 SHEETS OF CROSS SECTIONS (UPON REQUEST)



DESIGN DESIGNATION
 WAY - MAJOR ARTERIAL A.D.T. - 20,520 (1982)
 - 40 M.P.H. A.D.T. - 27,360 (2000)
 DESIGN - VARIES 54' TO 48'

DO NOT WRITE
 HERE

RECEIVED
 MAY 27 1982

CERTIFIED CORRECT PLANS
 Approved by *W.W. King*
 PENNA. P.E.D. UTILITY CONSULTANTS
 Attest: *[Signature]*
 MAY 27 1982
 Secretary

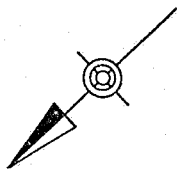
PREPARED BY
 SALVUCCI AND ASSOCIATES, INC.
 CONSULTING ENGINEERS
 PITTSBURGH, PENNA.
 DATE 5/17/82
 REG. PROF. ENGR. PA. 14890-E

RECOMMENDED: *[Signature]* DISTRICT ENGINEER
 RECOMMENDED: *[Signature]* DEPUTY SEC. FOR HIGHWAY ADMINISTRATION
 APPROVED: *[Signature]* SECRETARY OF TRANSPORTATION
 APPROVED: *[Signature]* GOVERNOR

RECORD OF EXISTING ROAD TYPES

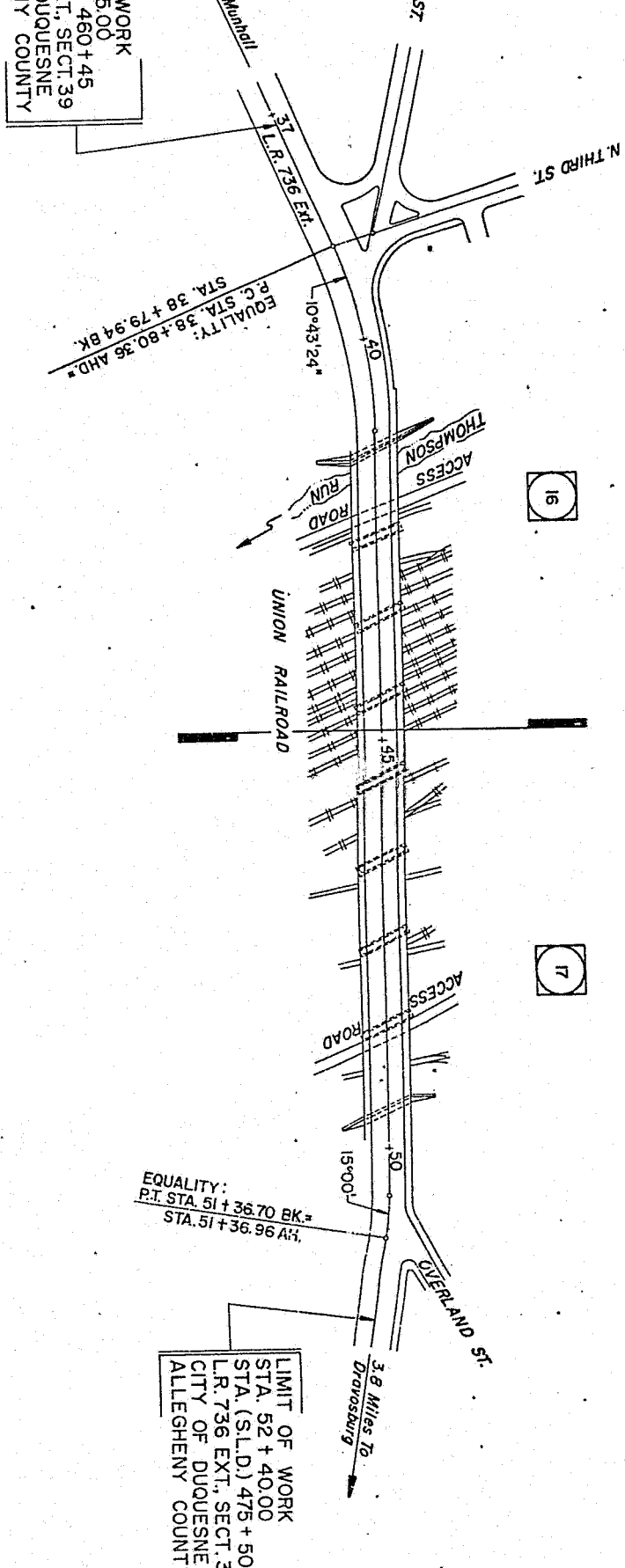
LIMIT OF WORK	Adjacent To S.L.D. Sta. 460 + 65	50' R.C.C. Pavement On Special Subgrade
S.L.D. Sta. 460+65 To Sta. 464+55		50' To 38' R.C.C. Pavement On Special Subgrade
S.L.D. Sta. 464+55 To Sta. 472+60		38' Bit Surf. ID-2 On Bit Conc. On Conc. Base Bridge Deck
S.L.D. Sta. 472+60 To Sta. 475+50		38' Bit. Conc. On Brick Pav't. On Conc. Base
Adjacent To S.L.D. Sta. 475+50		38' Bit. Conc. On Brick Pav't. On Conc. Base

CITY OF DUQUESNE



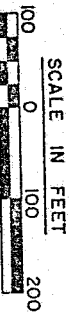
16

17



EQUALITY:
P.T. STA. 51 + 36.70 BK.
STA. 51 + 36.96 AHD.

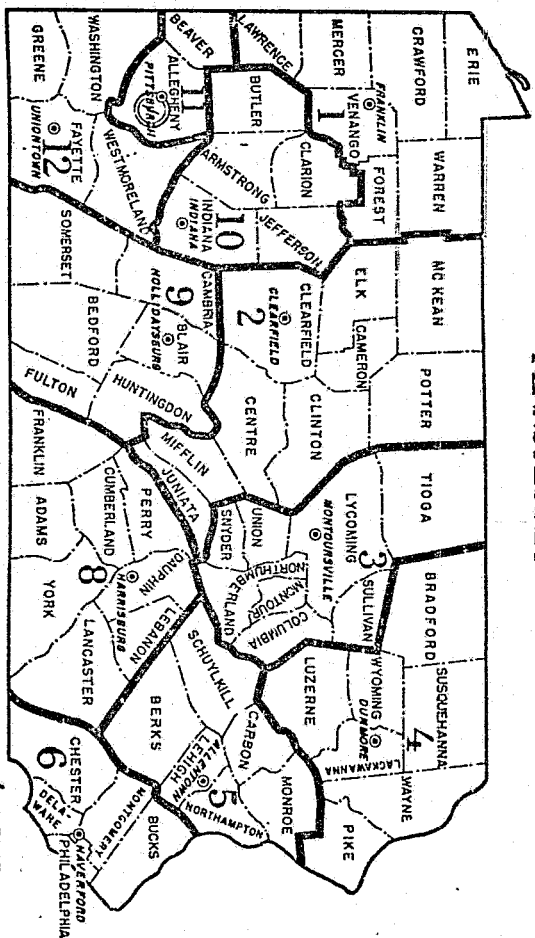
LIMIT OF WORK
STA. 52 + 40.00
L.R. 736 EXT., SECT. 39
CITY OF DUQUESNE
ALLEGHENY COUNTY



PLAN AND PROFILE
SHEET NO.

LEGEND

INDEX MAP



4 DISTRICT
PROJECT LOCATION

PENNSYLVANIA

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
11-0	ALLEGHENY	736 EXT.	39	2 OF 20
REGION NUMBER	REVISIONS	DATE	BY	

CERTIFIED CORRECT PLANS

W. W. Huff

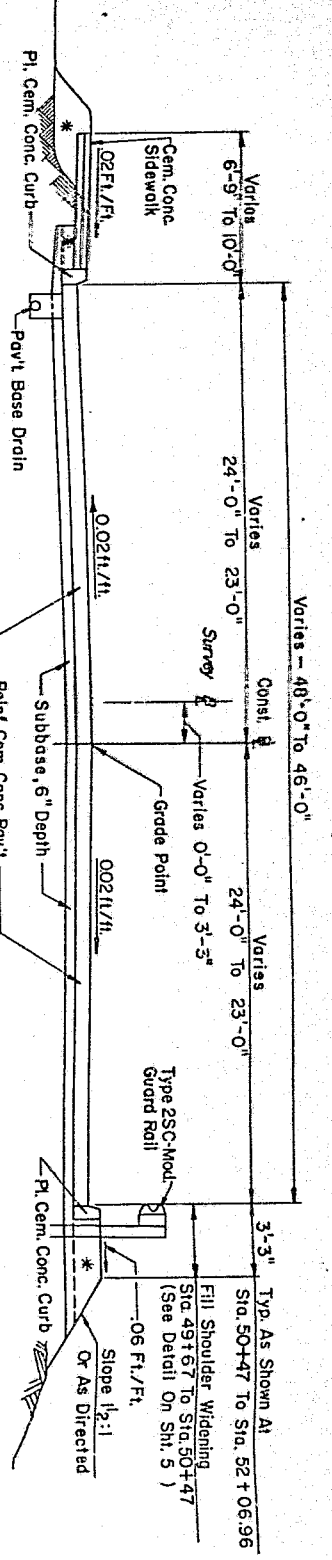
Approved by
PENNA. P. E. I. UTILITY CO.

Attest:

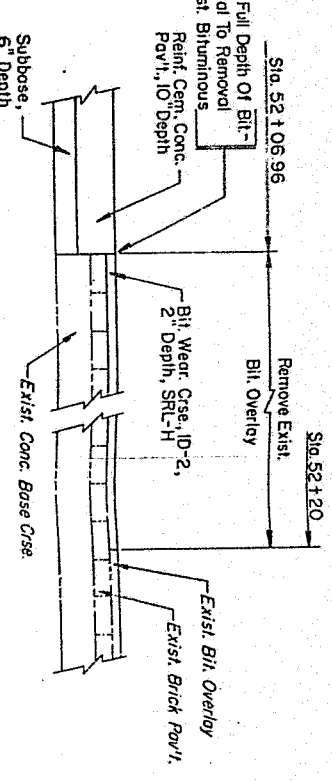
[Signature]

MAY 2 1982

Secretary



TYPICAL SECTION
 STA. 49 + 49.53 TO STA. 50 + 07.26 - TANGENT SECTION (AS SHOWN)
 STA. 50 + 07.26 TO STA. 52 + 06.96 - SUPER. SECTION (SEE X-SECT.)
 Varies - 54'-0" To 48'-0"



METHOD OF SURFACE ADJUSTMENT
 STA. 52+06.96 TO STA. 52+20

OVERALL AND CONSTRUCTION
 LENGTH OF PROJECT = 1,504.32 FT. 0.285 MI.

TYPICAL SUPERELEVATED SECTION
 STA. 38 + 80.36 TO STA. 41 + 44.93

LIMIT OF WORK
 STA. 52 + 40.00
 STA. (SLD) 475 + 50
 L.R. 736 EXT., SEC. 39
 CITY OF DUQUESNE
 ALLEGHENY COUNTY

LIMIT OF WORK
 STA. 37 + 35.00
 STA. (SLD) 460 + 45
 L.R. 736 EXT., SEC. 39
 CITY OF DUQUESNE
 ALLEGHENY COUNTY

LIST OF EQUALITIES

Sta. 38 + 79.94 BK. Survey & Const. Q =
 P.C. Sta. 38 + 80.35 Ah. Const. Q =
 P.T. Sta. 51 + 36.70 BK. Const. Q =
 Sta. 51 + 36.96 Ah. Survey & Const. Q =

TABULATION OF OVERALL AND CONSTRUCTION LENGTH	STATION TO STATION	LENGTH (FT.)	LENGTH (MI.)
	37 + 35.00 TO 38 + 79.94 BK.	144.94	0.027
	38 + 80.36 Ah. TO 51 + 36.70 BK.	1256.34	0.239
	51 + 36.96 Ah. TO 52 + 40.00	103.04	0.020
	TOTAL LENGTH	1504.32	0.285

The Legal Right of Way for L.R. 736 Ext. from Sta. 37+35.00 to Sta. 52+40.00 is 60' and variable in accordance with plans for L.R. 736 Ext. Sect. 19 and Allegheny County Plan Drawing No. 10281 dated May 17, 1928.

This project shall be constructed in accordance with the Specifications Form 408, dated 1976 and Form 409, dated 1973.

This is a Federal Aid Project and as such is subject to inspection by representatives of the Federal Highway Administration, Horizontal Curves on this project are computed using the Arc Definition.

Field Surveys on this project are based on U.S.G.S. Datum shall conform to the following standard drawings:

Construction Details, other than those shown on these drawings, shall conform to the following standard drawings:

RC-10 11-15-77 (2 SHTS)
 RC-11 7-16-80 (2 SHTS)
 RC-12 6-1-76
 RC-13 11-15-77
 RC-20 5-31-79 (2 SHTS)
 RC-21 5-31-79 (2 SHTS)
 RC-23 7-16-80 (2 SHTS)
 RC-24 7-16-80
 RC-30 5-1-78
 RC-31 5-31-79 (6 SHTS)
 RC-34 1-31-77 (2 SHTS)
 RC-39 11-15-77
 RC-40 9-1-78 (6 SHTS)
 RC-50 9-1-78
 RC-52 9-1-78
 RC-65 9-1-78
 RC-70 9-1-78 (2 of 4)
 RC-80 7-16-80 (2 SHTS)
 RC-81 7-16-80
 RC-82 7-16-80
 RC-83 7-16-80 (2 SHTS)
 RC-84 7-16-80
 BC-316A 3-2-81
 BC-321A 6-20-80
 BC-322A 6-20-80
 BC-334A 3-2-81
 BC-335A 11-4-81
 BC-336A 11-4-81
 BC-337A 3-2-71
 BC-338A 4-1-71
 BC-339A 4-1-71
 BC-354 11-10-80
 BC-355A 11-10-80
 BC-363 10-20-70

PUBLIC UTILITIES

U.R.R.	UNION RAILROAD COMPANY	P.O. Box 471	Greenville, Pa. 16125
D.L. Co.	DUQUESNE LIGHT COMPANY	469 Hershey Rd.	Pittsburgh, Pa. 15235
B.T. Co.	BELL TELEPHONE COMPANY	201 Stonewix St.	Pittsburgh, Pa. 15222
C.M.G.	CARNEGIE NATURAL GAS COMPANY	3904 Main St.	Munhall, Pa. 15120
E.G. Co.	EQUITABLE GAS COMPANY	420 Blvd. Of The Allies	Pittsburgh, Pa. 15219
W.	CITY OF DUQUESNE DEPT. OF WATER	12 South 2nd St.	Duquesne, Pa. 15110
C.V. Co.	CENTRE VIDEO	716 Long Run Road	McKeesport, Pa. 15132

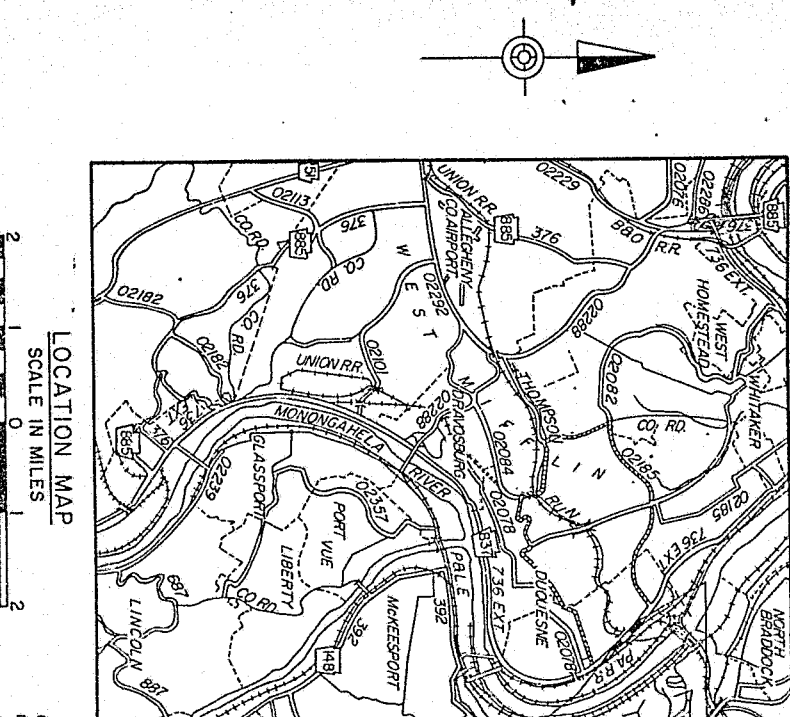
CERTIFIED CORRECT PLANS

Approved by *C.W. Huff*
 PENNA. PUBLIC UTILITY COMMISSION
 Attest: *[Signature]*
 EARTHWORK SUMMARY ENTIRE PROJECT

The following information on the Estimated Amounts of Earthwork to be performed by the Pennsylvania Department of Transportation in its Preliminary Estimate for this Project and which shall be taken or used as a Waiver of Any Provisions of Specifications & Contracts.

CLASS 1	CLASS 2	CLASS 3	CLASS 4	CUBIC YDS. OF EXCAVATION	CUBIC YDS. OF EMBANKMENT	CUBIC YDS. OF STRUCTURE BACKFILL
1265	345	2184	1508			APPROX 952

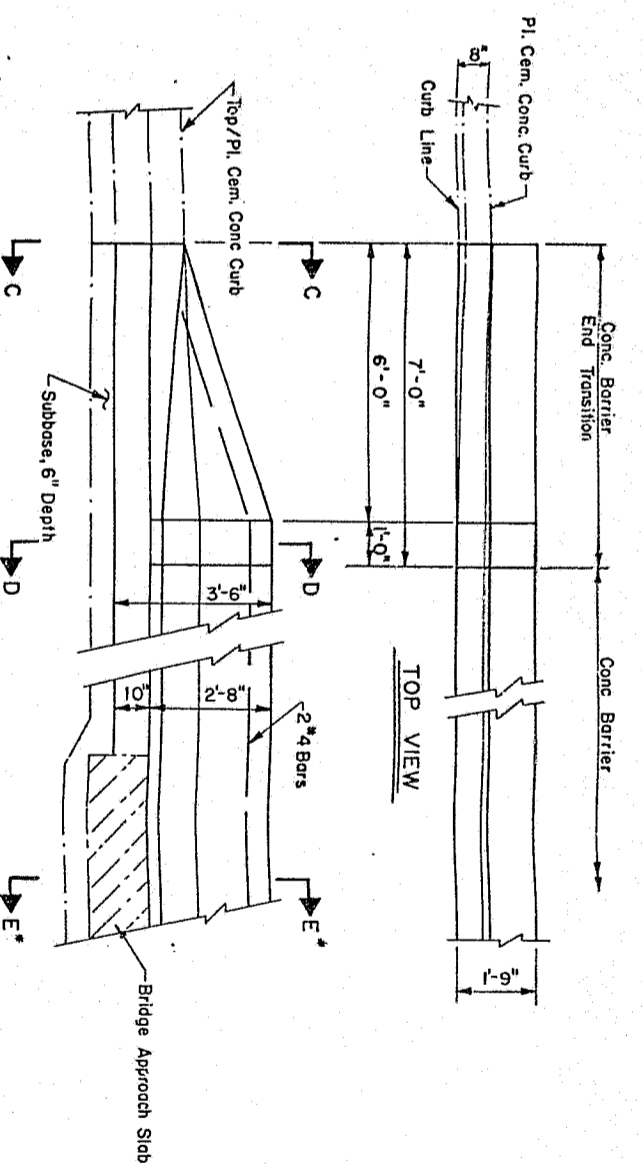
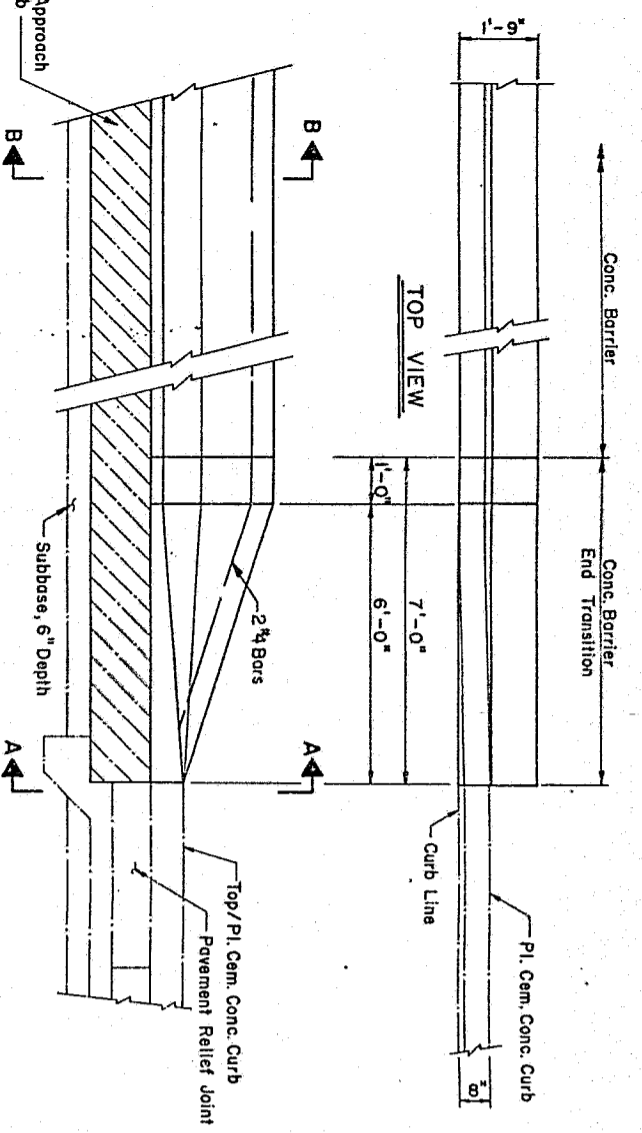
* Includes All Borrow Items



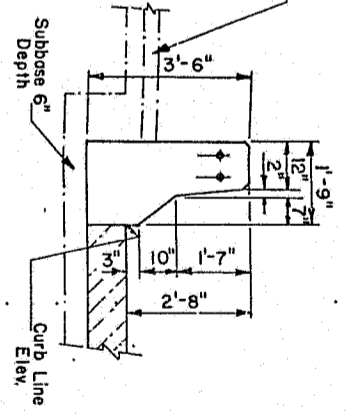
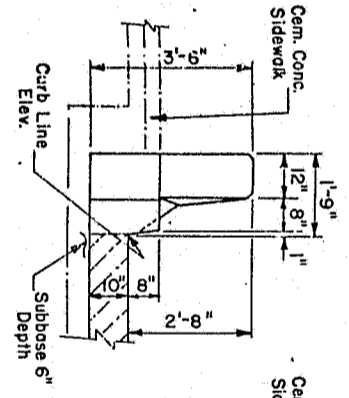
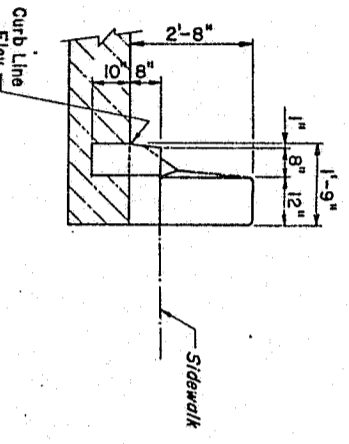
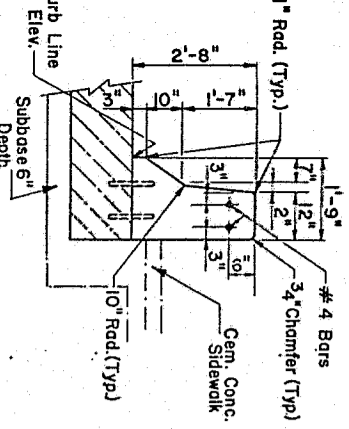
LEGEND
 PROJECT HIGHWAYS
 STATE HIGHWAYS
 LOCAL ROADS
 DETOURS

SCALE IN MILES
 0 1 2

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
11-0	ALLEGHENY	736 EXT.	39	4 OF 20
CITY OF DUQUESNE				
REVISION NUMBER	REVISIONS			DATE



* Section E-E same as Section B-B, only opposite hand.



(See Section B-B for Details not shown)

DETAIL - CONC. BARRIER AND END TRANSITION
 STA. 49+38 TO 49+76.37 LT.

DETAIL - CONC. BARRIER AND END TRANSITION
 STA. 40+00.37 TO 41+34 LT.

CERTIFIED CORRECT PLANS

Approved by
 PENNA. PUB. UTILITY COMMISSION
 Attest:

[Signature]

MAY 7 1982

Secretary

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
11-0	ALLEGHENY	736 EXT. 39	39	5 OF 20
REVISION NUMBER	REVISIONS	DATE	BY	

GENERAL PROCEDURE

1. DRILL 18" ϕ HOLES FOR PILES.
2. POSITION PILES IN HOLES.
3. POUR CONCRETE IN HOLES UP TO THE ELEVATION OF THE BOTTOM OF THE LOWEST CONCRETE PLANK FOR EACH PILE.
4. EXCAVATE AND PLACE CONCRETE PLANKS.
5. BACKFILL BEHIND WALL WITH SUBBASE MATERIAL.

GENERAL NOTES

MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH SPECIFICATION FORMS 408/76, 409/73 AND THE SPECIAL PROVISIONS OF THIS CONTRACT.

STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A-36.

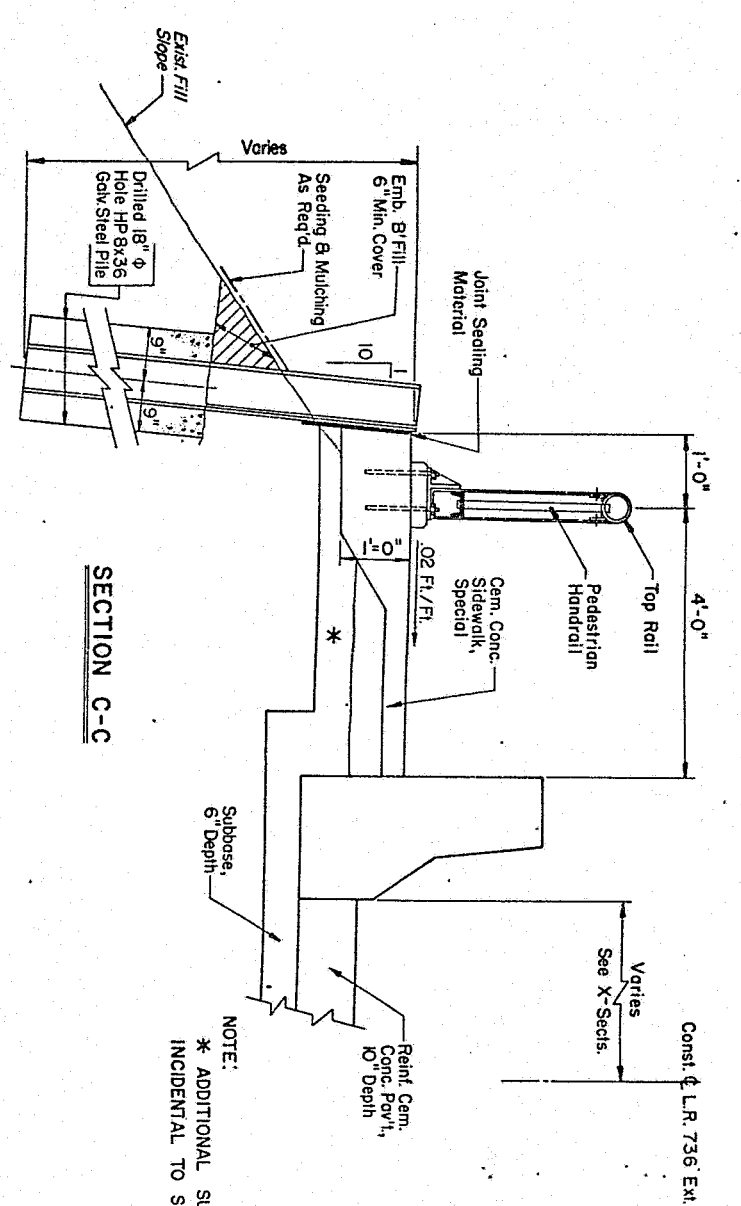
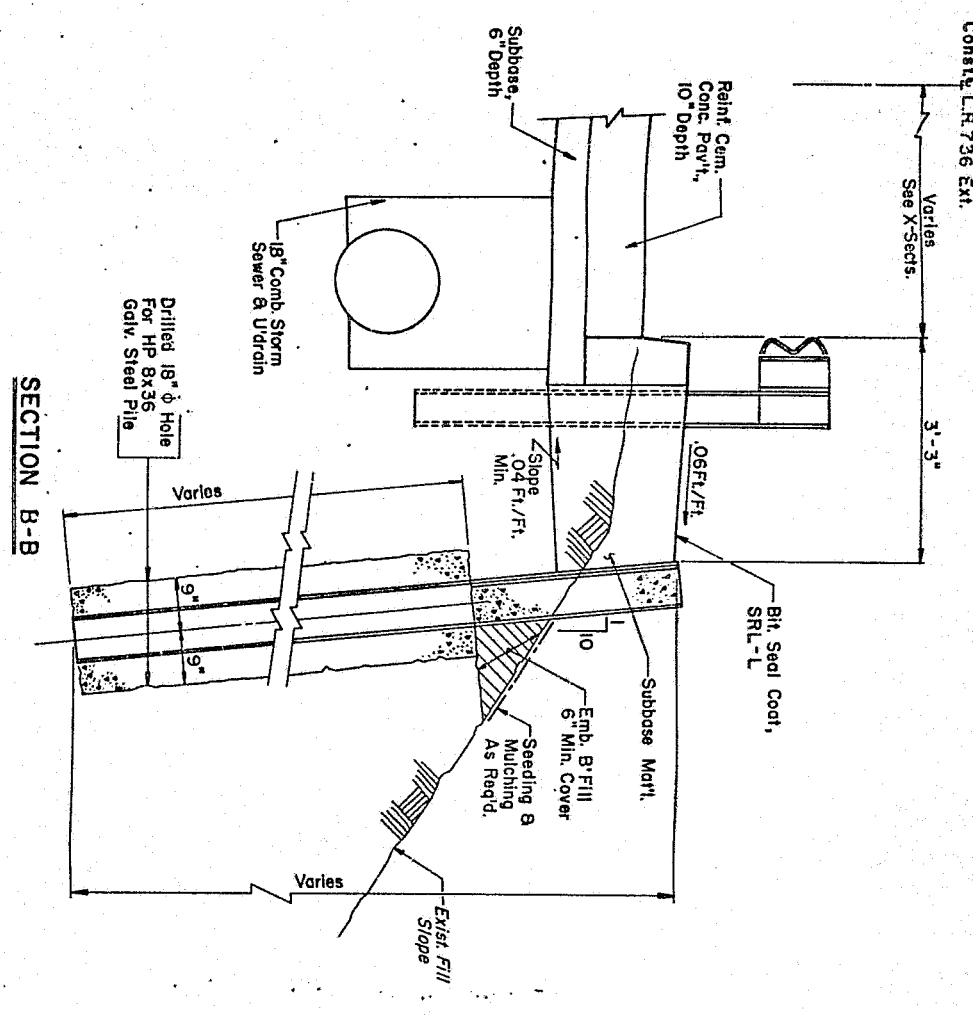
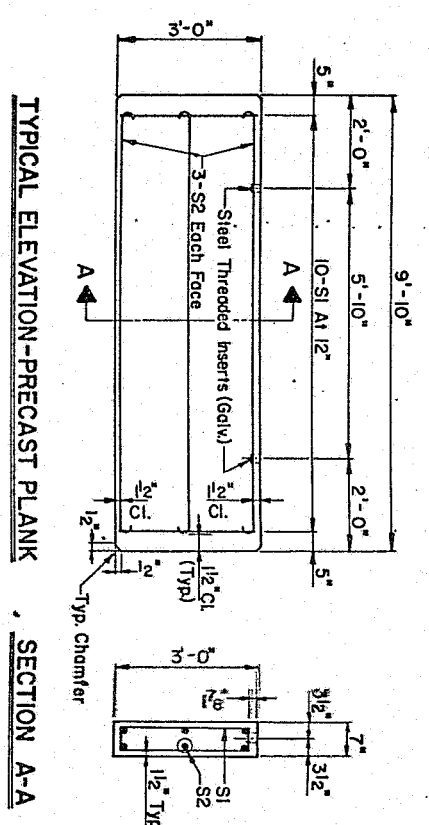
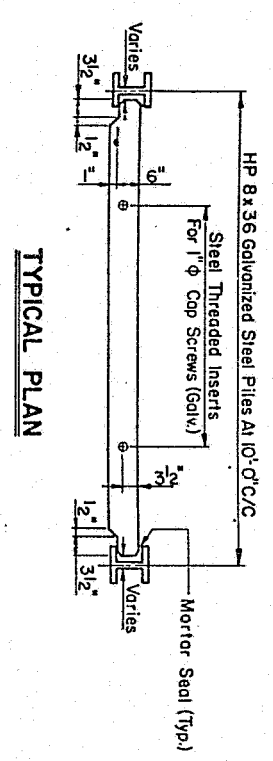
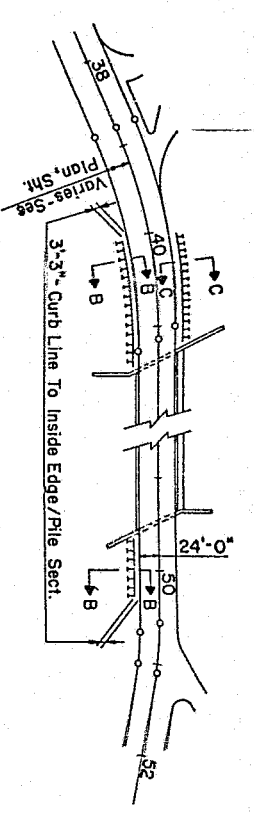
DESIGN SPECIFICATIONS:
DESIGN DIVISION OF 1975 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

CLASS AA CEMENT CONCRETE SHALL BE USED IN PRECAST PLANKS.

CLASS C CEMENT CONCRETE SHALL BE USED FOR PLACING OF PILES.

ENTIRE SURFACE OF ALL PRECAST CONC. PLANKS SHALL BE TREATED WITH PROTECTIVE COATING IN ACCORDANCE WITH SECTION 1019, FORM 408/76.

STEEL PILES SHALL BE SPACED SO AS NOT TO INTERFERE WITH UNDERGROUND UTILITIES.



NOTE:
* ADDITIONAL SUBBASE INCIDENTAL TO SUBBASE 6\"/>

Mort	Size	Type	Length	Remarks
S1	3	II	6'-8"	10 Per Plank
S2	4	I	10'-7"	6 Per Plank

FILL SHOULDER WIDENING

STA. 39 + 93 TO STA. 41 + 53 - RT.
STA. 40 + 00.37 TO STA. 41 + 30 - LT.

CERTIFIED CORRECT PLANS

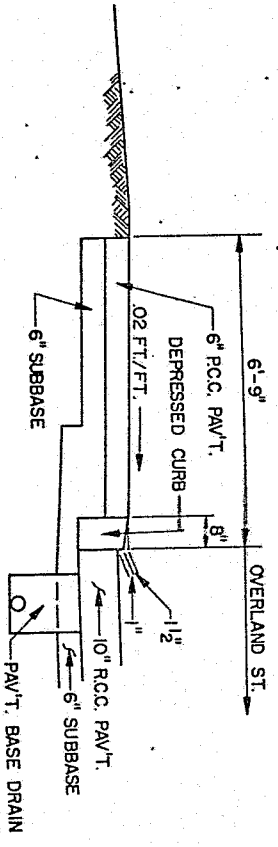
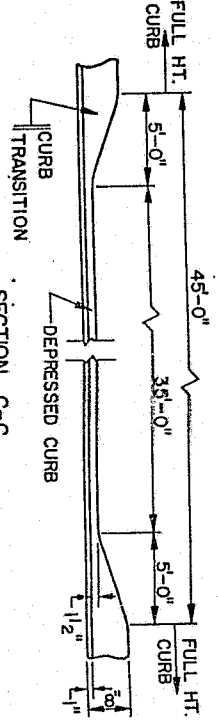
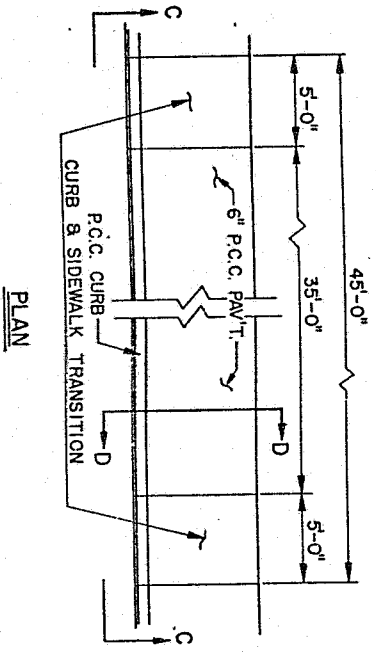
Law. Hoff
Engd.

Approved by
PENNA. PUB. UTILITY CO.
Attest:
[Signature]

Bureau of Road Transportation

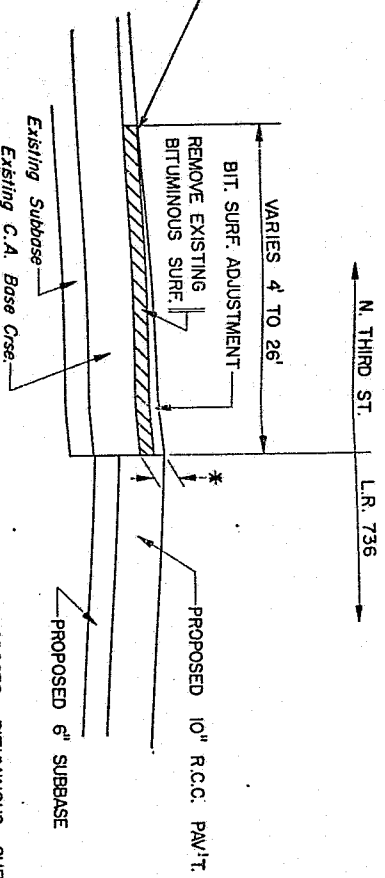
MAY 2 1982

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
11-0	ALLEGHENY	736 EXT	39	6 OF 20
REVISION NUMBER	CITY OF DUQUESNE	REVISIONS	DATE	BY



DEPRESSED CURB DETAILS
 STA. 0+42 TO 0+77 LT. (OVERLAND ST.)

SAWCUT FULL DEPTH OF BITUMINOUS - INCIDENTAL TO REMOVAL OF EXIST. BITUMINOUS.



* PROPOSED BITUMINOUS SURFACE SHALL BE 2" OF BITUMINOUS WEARING COURSE ID-2, SRL-H. REMAINING DEPTHS WILL VARY & SHALL BE FILLED WITH BITUMINOUS BINDER COURSE ID-2, (TONS).

METHOD OF SURFACE ADJUSTMENT
NORTH THIRD STREET

CERTIFIED CORRECT PLANS

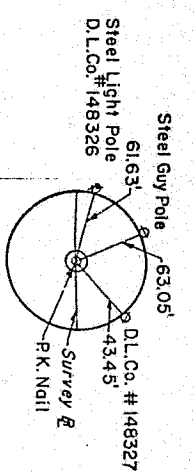
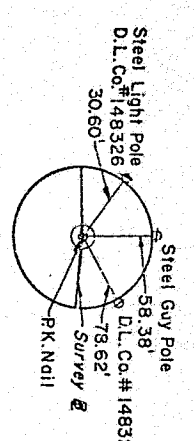
Approved by *W. W. Huff*
 PENNA. PUB. UTILITY CO. ENGINEER

Attest: *Secretary*
 MAY 2 1982
 Secretary

DISTRICT	COUNTY	TOWNSHIP	SECTION	SHEET
11-0	ALLEGHENY	EXT	39	17 OF 20
REVISION NUMBER	REVISIONS	DATE	BY	

P.I. Sta. 50+86.33

P.O.T. Sta. 51+25.00



OVERLAND ST. SURVEY # P.I. Sta. 0+50.00 Δ=60°00'00" Rt. (No Curve)

LIMIT OF WORK
 STA. 52+40.00
 STA. (S.L.D.) 475+50
 L.R. 736 EXT. SEC. 39
 CITY OF DUQUESNE
 ALLEGHENY COUNTY

STA. 52+06.96
 END ROADWAY
 RECONSTRUCTION

P.V.I. STA. 51+78.28
 ELEV. 857.73
 V.C. 50
 M.O. 0.069

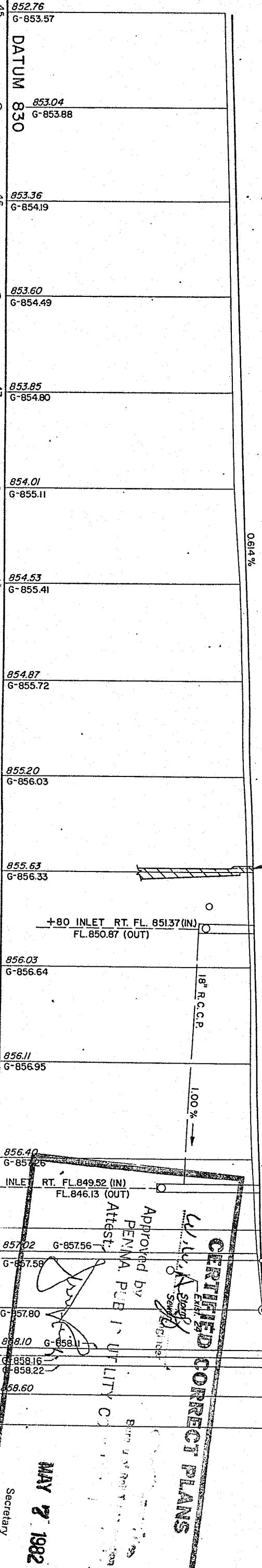
CONST. Δ
 P.I. Sta. 51+07.04
 Δ=8°55'00" Rt.
 D=150'00"
 T=29.78'
 L=59.44'
 R=381.94'
 Super-elevate .02 Ft./Ft.
 Runout 70'

LEGEND
 BIT. SURF. ADJ.
 PAV'T. RELIEF JT.

SURVEY #
 P.I. Sta. 50+86.33
 Δ=8°55'00" Rt.
 D=17°30'
 T=25.53'
 L=50.95'
 R=327.40'

NOTE:
 FOR DETAILS OF DRAINAGE
 UNDER STRUCTURE
 SEE SHEETS 18 & 19.

NOTE:
 FILL SHOULDER WIDENING
 AT: STA. 49+67 TO STA. 50+47-RT.
 FOR DETAILS SEE SHEET 5



+80 INLET RT. FL. 851.37 (IN)
 FL. 850.87 (OUT)

INLET RT. FL. 849.52 (IN)
 FL. 846.13 (OUT)

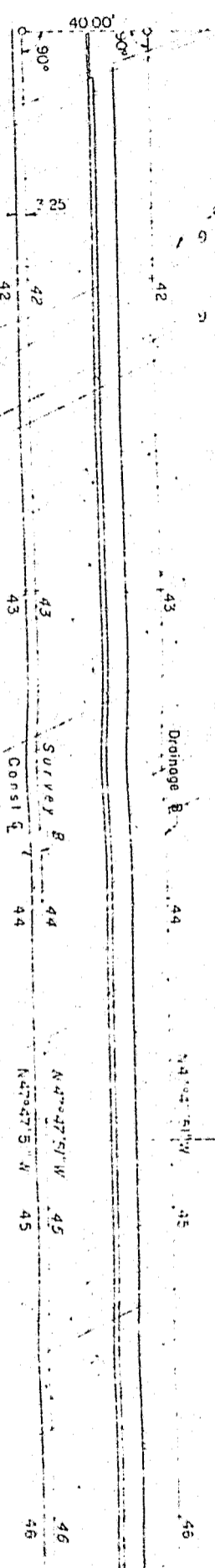
CERTIFIED CORRECT PLANS
 Approved by
 PENNA. PUBLIC UTILITY COMMISSION
 Attest:
 MAY 2 1982
 Secretary

Align. Bk. 44036
 Topo Bk. 44036
 X-Sept. Bk. 44036

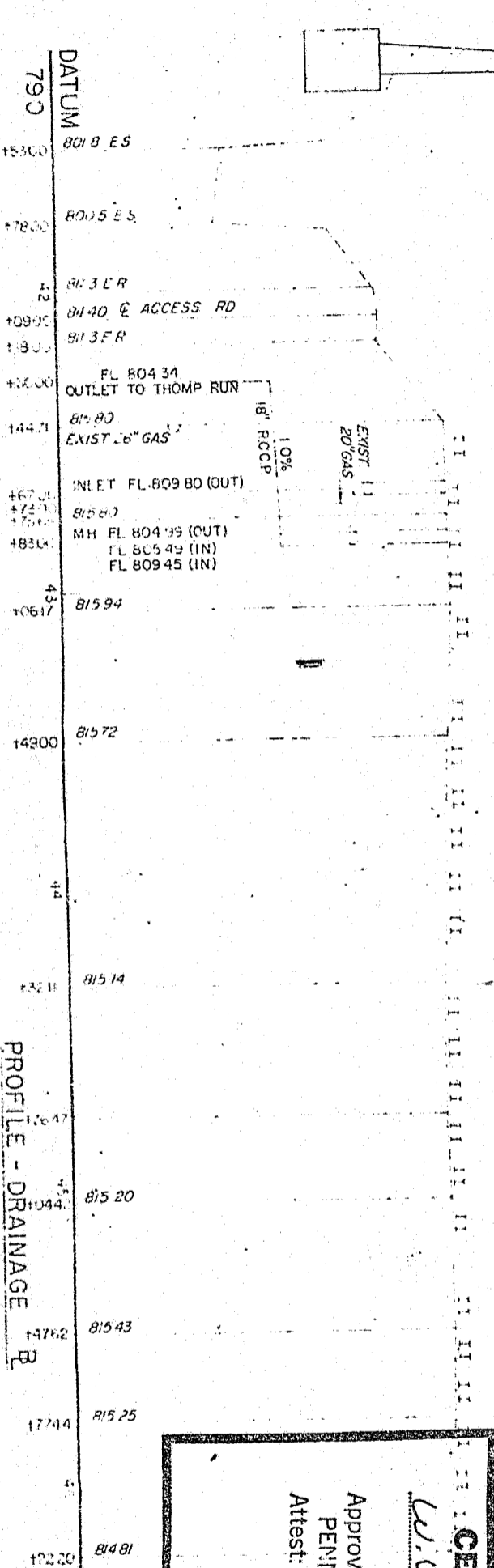
Sht 41 - 1100 Drainage R =
Sht 40 - 1100 Survey R

20" Gas Line

20" Gas Line



NOTE
FOR DETAILS OF INLET
INSTALLATION SEE
SHEET 20



CERTIFIED CORRECT PLANS

Approved by
PENNA. PUBLIC UTILITY CO. COMMISSION

Attest:

[Signature]
Secretary

[Signature]
Engineer

Bureau of Rail Transportation

MAY 2 1982

PROJECT	NO. 1100	DATE	18 OCT 82
CITY OF	ALLEGHENY	NO. 736 EXT	39
PROJECT NO.		DATE	

NOTE:
FOR DETAILS OF INLET
INSTALLATION SEE
SHEET 20

OH TRAIL 43"

SCUPPER

SCUPPER

SCUPPER

SCUPPER

SCUPPER

SCUPPER

SCUPPER

CLASSIFICATION YARD

East 24" Sewer

TOP OF EXIST
HEADWALL
814 4.3
INV 803.40
EXIST M.H.

Access Road

Underground twin 43" Gas Lines

Bridge Abutment

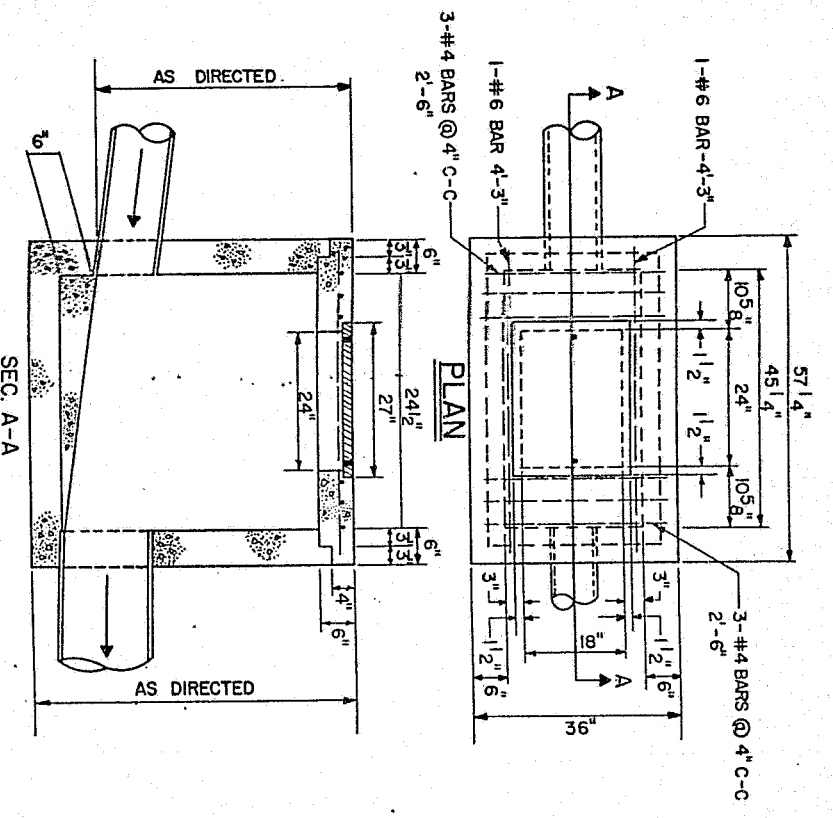
CERTIFIED CORRECT PLANS
Approved by
Lucas Ruff
PENN. P.D. & UTILITY COMMISSION
Attest:
[Signature]
Secretary
MAY 2 1982

Sta 49+50.00 - Through R.
Sta 49+50.00 - Survey R.

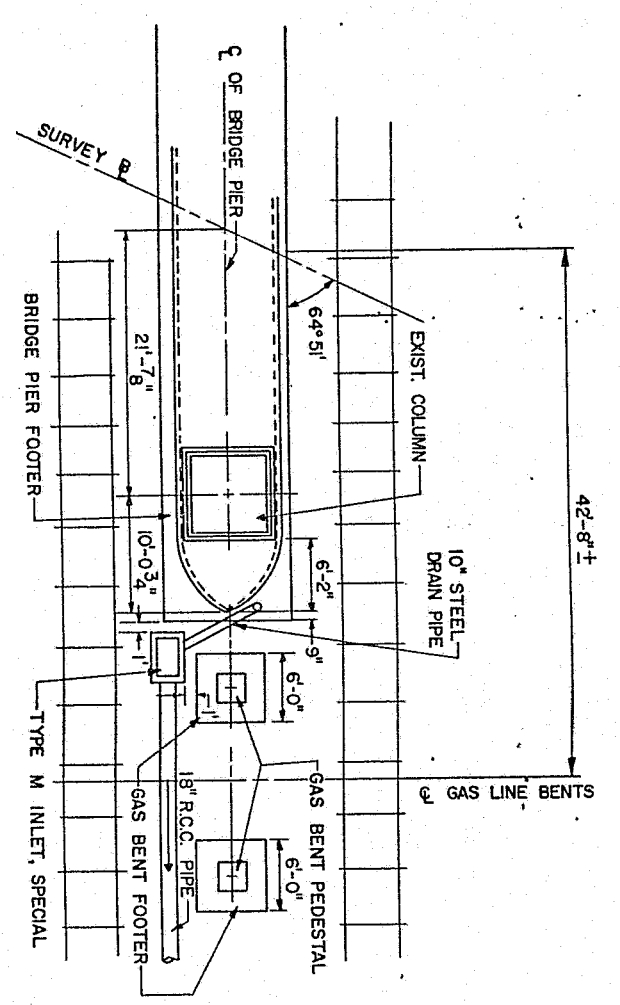


PROPOSED DRAINAGE SYSTEM
UNION RAILROAD YARD

PROJECT	NO. 11-0	SHEET	39	SHEET	19 OF 23
REGION	ALLEGHENY	DATE			
CITY	CITY OF DUQUESNE				
DESIGNER					
CHECKER					
DATE					



DETAIL
TYPE M INLET, SPECIAL



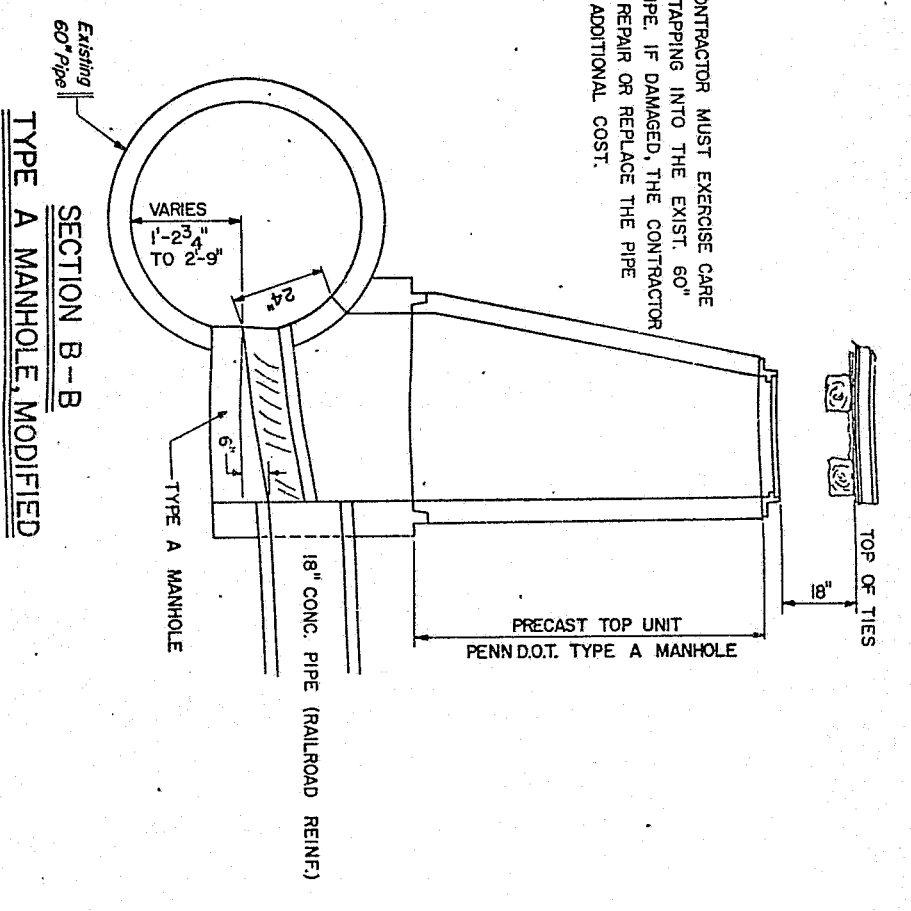
DETAIL

LOCATION OF TYPE M
INLET, SPECIAL

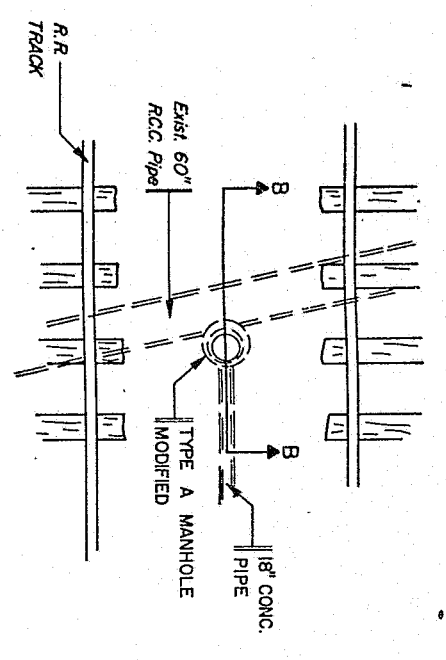
NOTE: SEE PLAN SHEETS FOR
LOCATION OF INLETS AT
PIERS 1, 6, 8, 7.

AT BASE OF PIERS 2, 3, 4, 8, 5

NOTE: THE CONTRACTOR MUST EXERCISE CARE
WHEN TAPPING INTO THE EXIST. 60"
R.C. PIPE. IF DAMAGED, THE CONTRACTOR
MUST REPAIR OR REPLACE THE PIPE
AT NO ADDITIONAL COST.



SECTION B-B
TYPE A MANHOLE, MODIFIED



LOCATION OF TYPE A
MANHOLE, MODIFIED

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
11-0	ALLEGHENY	735 EXT	39	20 OF 20
REVISION NUMBER	CITY OF DUQUESNE	REVISIONS	DATE	BY

CERTIFIED CORRECT PLANS

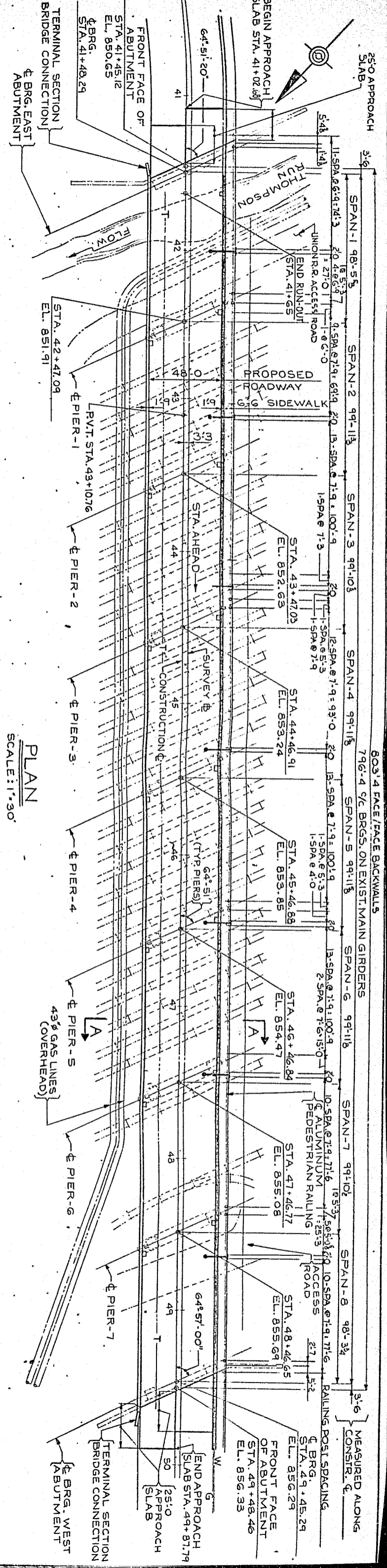
W. W. Huff
Engineer

Approved by
PENNA. PUBLIC UTILITY COMMISSION

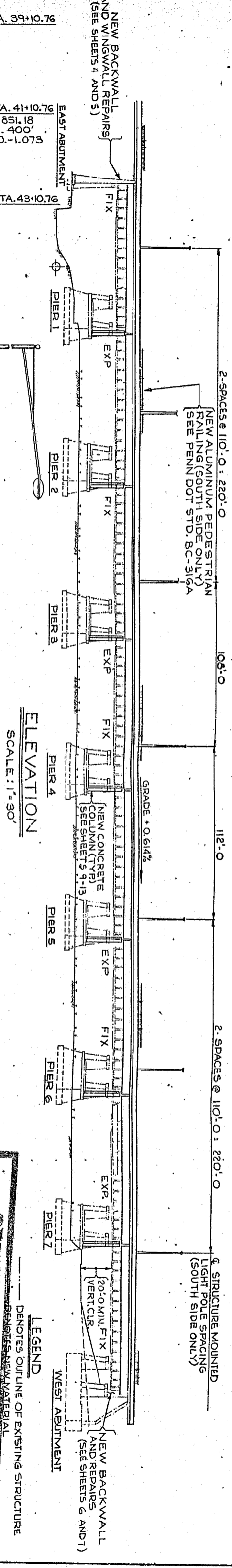
Attest:
J. J. [Signature]
Secretary

Bureau of Rail Transportation

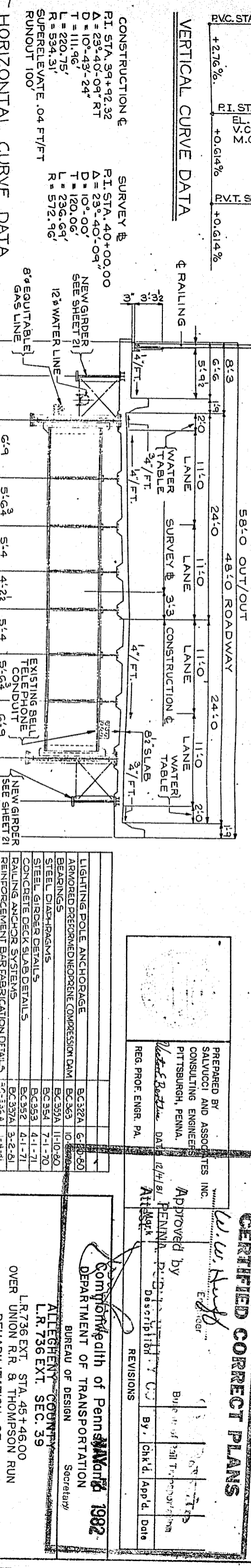
MAY 2 1932



PLAN
SCALE: 1" = 30'



ELEVATION
SCALE: 1" = 30'



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

CONSTRUCTION P.I. STA. 39+92.32 $\Delta = 23^\circ 40' 09''$ RT $D = 10^\circ 43' 24''$ $T = 111.96'$ $L = 220.75'$ $R = 534.31'$ SUPERELEVATE .04 FT/FT RUNOUT 100'		SURVEY P.I. STA. 40+00.00 $\Delta = 23^\circ 40' 09''$ RT $D = 10^\circ 00'$ $T = 120.06'$ $L = 236.69'$ $R = 572.96'$	
VERTICAL CURVE DATA P.V.C. STA. 39+10.76 P.I. STA. 41+10.76 P.V.T. STA. 43+10.76 $+2.76\%$ $+0.614\%$ $+0.614\%$		HORIZONTAL CURVE DATA P.I. STA. 39+92.32 $\Delta = 23^\circ 40' 09''$ RT $D = 10^\circ 43' 24''$ $T = 111.96'$ $L = 220.75'$ $R = 534.31'$ SUPERELEVATE .04 FT/FT RUNOUT 100'	

DESCRIPTION	DWG. NO.	DATE
ALUMINUM PEDESTRIAN RAILING	BC 316 A	3-2-81
ELECTRICAL DETAILS	BC 321 A	6-20-80
CONSTRUCTION AND EXPANSION JOINT DETAILS	BC 334 A	5-2-81
REINFORCEMENT BAR FABRICATION DETAILS	BC 335 A	11-4-81
RAILING ANCHOR SYSTEMS	BC 352	4-1-71
STEEL GIRDER DETAILS	BC 353	4-1-71
ARMORED PREFORMED CONCRETE COMPRESSION DAM	BC 363	10-29-80
BEARINGS	BC 359 A	11-10-80
STEEL DIAPHRAGMS	BC 354	7-1-70
STEEL GIRDER DETAILS	BC 353	4-1-71
RAILING ANCHOR SYSTEMS	BC 352	4-1-71
REINFORCEMENT BAR FABRICATION DETAILS	BC 335 A	11-4-81
CONSTRUCTION AND EXPANSION JOINT DETAILS	BC 334 A	5-2-81
ELECTRICAL DETAILS	BC 321 A	6-20-80
ALUMINUM PEDESTRIAN RAILING	BC 316 A	3-2-81

CERTIFIED CORRECT PLANS

PREPARED BY SALVUCI AND ASSOCIATES INC. CONSULTING ENGINEERS PITTSBURGH, PENNA.

REG. PROF. ENGR. PA.

APPROVED BY *W. W. Huff* ENGINEER

APPROVED BY *[Signature]* ENGINEER

COMMITTEE of Pennsylvania Department of Transportation BUREAU OF DESIGN

ALLEGHENY COUNTY L.R. 736 EXT. SEC. 39

OVER UNION R.R. & THOMPSON RUN REHABILITATION OF 8-SPAN STEEL GIRDER BRIDGE GENERAL PLAN AND ELEVATION

APPROVED BY *[Signature]* BRIDGE ENGINEER

SHEET 1 OF 29 SUPPLEMENTAL DRAWINGS S-14185

GENERAL NOTES

1. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH SPECIFICATION FORMS 408/76, 409/73, AND THE SPECIAL PROVISIONS
2. STEEL STRUCTURAL STEEL SHALL CONFORM TO ASTM-A36 EXCEPT WHERE NOTED OTHERWISE
3. DESIGN SPECIFICATIONS: DESIGN DIVISION OF 1977 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (INCLUDING 1978, 1979, 1980 INTERIM SPECIFICATIONS) AND AS SUPPLEMENTED BY THE DEPARTMENTS CURRENT DESIGN MANUAL, PART 4, STRUCTURES.
4. LIVE LOAD: HS-20-44 LOADING
5. 2" CONCRETE COVER SHALL BE PROVIDED ON REINFORCEMENT BARS EXCEPT WHERE NOTED OTHERWISE.
6. CLASS A CEMENT CONCRETE (L.S.) SHALL BE USED IN THE DECK SLAB, HAUNCHES, CURB BARRIERS, AND SIDEWALK. CLASS A CEMENT CONCRETE (C.Y.) SHALL BE USED IN REBUILDING PORTIONS OF THE EXISTING ABUTMENT BACKWALLS AND WINGWALLS. CLASS A CEMENT CONCRETE, SPECIAL SHALL BE USED TO REPAIR SPALLED AREAS IN THE PIERS, ABUTMENTS AND WINGWALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLASS A CEMENT CONCRETE SHALL BE USED IN THE NEW COLUMNS AT THE PIERS AND ABUTMENTS.
7. EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 1x1" EXCEPT AS NOTED
8. REMOVABLE DECK FORMS SHALL BE USED IN PLACING THE CONCRETE DECK SLAB
9. EPOXY RESIN ADHESIVE SHALL BE USED IN ADHERING NEW CONCRETE TO OLD IN AREAS TO BE REPAIRED, SEE SPECIAL PROVISIONS FOR SPECIFICATIONS FOR THIS MATERIAL
10. THE ENGINEER MAY DELETE ANY ITEM, IN WHOLE OR PART, OR ADD TO ANY ITEM, COMPENSATION WILL BE BASED ON UNIT PRICE BID AND ACTUAL QUANTITY OF THE ITEM USED.
11. THE CONTRACTOR SHALL VERIFY ALL NECESSARY DIMENSIONS AND ELEVATIONS OF THE EXISTING STRUCTURE, REQUIRED TO PERFORM HIS WORK PRIOR TO CONSTRUCTION.
12. THE ORIGINAL SHOP DRAWINGS OF THE SUBJECT STRUCTURE ARE AVAILABLE AT THE OFFICE OF DISTRICT 11-0 UPON REQUEST.
13. NEW FASTENERS SHALL BE A.S.T.M. A325 HIGH STRENGTH BOLTS (FRICTION TYPE CONNECTIONS) OR AS NOTED ON THE DRAWINGS. ALL HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH FORM 409/73 SECTION 1053.18(D). FASTENERS SHALL BE 7/8" UNLESS NOTED OTHERWISE.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL REINFORCEMENT BARS THAT WILL BE USED IN THE NEW CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS OF NEW REINFORCING TO INSURE THAT THE NEW IS STRUCTURALLY SOUND. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.

15. NEW STEELWORK SHALL BE BRACED (FIXED) IN ITS LONGITUDINAL AND LATERAL DIRECTIONS UNTIL MEMBERS ARE IN STABLE (FINAL BRACED) CONDITION.

16. THE DEPARTMENT DOES NOT GUARANTEE THE LOCATION, QUANTITY OR DESIGNATION OF CONTRACT ITEMS AS SHOWN AND/OR REFERRED TO ON THE PLANS. NOR DOES THE DEPARTMENT GUARANTEE THAT ALL DEFECTS ARE SHOWN. THE QUANTITIES AND LOCATIONS SHOWN ARE FOR THE CONTRACTOR'S GUIDANCE ONLY AND SHALL NOT BE HELD AS BINDING IN ANY WAY. THE CONTRACTOR SHALL CONFIRM ALL QUANTITIES, LOCATIONS AND DESIGNATION OF CONTRACT ITEMS PRIOR TO FABRICATION.

17. CLEANING OF STEELWORK DURING REPAIR: CONTACT SURFACES OF EXISTING STEELWORK WHICH ARE TO BE ENCLOSED OR COVERED BY REPAIR OR REINFORCING MATERIAL SHALL BE CLEANED OF PAINT, DIRT, RUST AND OTHER FOREIGN MATTER BY BLAST CLEANING METHOD 1, IN ACCORDANCE WITH FORM 409/73, SECTION 1073.01(b)

18. HOLES: FIELD HOLES MAY BE DRILLED OR SUB-PUNCHED AND REAMED IN THE FIELD

19. ALL NEW AND EXISTING STEEL TO BE IN CONTACT WITH CONCRETE SHALL BE CLEANED BY BLAST CLEANING, IN ACCORDANCE WITH FORM 409 AND BE GIVEN ONE COAT DULL ORANGE PRIMER.

20. SHOP AND FIELD CONTACT SURFACES SHALL NOT BE PAINTED.

21. ALL SHOP PAINTING SHALL BE IN ACCORDANCE WITH FORM 409, AND BULLETIN NO. 26 DULL ORANGE PRIMER, COLOR NO. 1, SHALL BE USED.

22. EXPOSED SURFACES OF EXISTING STRUCTURAL STEEL WHERE PAINT HAS BEEN REMOVED DUE TO REPAIR, AND UNPAINTED AREAS OF NEW STRUCTURAL STEEL WHICH ARE TO BE PAINTED, SHALL RECEIVE A FIELD PRIME COAT OF DULL ORANGE PRIMER, COLOR NO. 1 AS THE BASE COAT, BEFORE VISIBLE RUSTING OCCURS, IN ACCORDANCE WITH FORM 409

23. BEARING AREAS SHALL BE PREPARED AS SPECIFIED IN SECTION 1054.04 (d) OF FORM 409 UNLESS OTHERWISE SHOWN ON THE DRAWINGS

24. FOR STEEL REPAIR NOTES AND LEGEND SEE SHEETS 15, 16, 17.

25. FOR NOTES RELATED TO CONCRETE REPAIRS, SEE SHEET 12.

26. THE FINAL FIELD COAT OF PAINT SHALL BE SEA MIST GREEN, MATCHING STANDARD COLOR NO. 19 IN ACCORDANCE WITH BULLETIN NO. 26

27. SCUPPERS, DOWNSPOUTING AND RELATED DRAINAGE MATERIAL SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SECTION 1052.17.

28. FOR ADDITIONAL STRUCTURAL STEEL NOTES, SEE SHEETS 20 AND 21.

WELDING NOTES

A. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS/D1.1-REV. 2-77 AND THE AASHTO STANDARD SPECIFICATIONS FOR WELDING OF STRUCTURAL STEEL HIGHWAY BRIDGES, 1977. NO FIELD WELDING WILL BE PERMITTED ON ANY PART OF THE EXISTING BRIDGE EXCEPT FOR THAT SHOWN ON THE DRAWINGS, WITHOUT PRIOR APPROVAL OF THE ENGINEER.

B. WELDING OF EXISTING STRUCTURAL STEEL USE SHIELDED METAL ARC PROCESS AND E7018 ELECTRODES.

C. TACK WELDS SHALL BE MADE WITH THE SAME TYPE ELECTRODE AS THE FINAL WELD.

D. NO WELDING WILL BE ALLOWED WHEN SURFACES TO BE WELDED ARE WET OR EXPOSED TO RAIN, SNOW OR WIND. OR WHEN WELDERS ARE EXPOSED TO INCLEMENT CONDITIONS THAT WILL HAMPER GOOD WORK.

E. NO WELDING OR BURNING WILL BE ALLOWED WHEN THE TEMPERATURE IS BELOW 0°F WHERE THE TEMPERATURE OF THE METAL IS BETWEEN 0°F AND 30°F. THE METAL SHALL BE PREHEATED TO AT LEAST 70°F AND MAINTAINED AT THIS TEMPERATURE DURING WELDING OR BURNING. THE AREA TO BE HEATED SHALL EXTEND 3" BEYOND THE WELD IN ALL DIRECTIONS.

F. ANY MOISTURE PRESENT AT POINT OF WELD SHALL BE REMOVED BY HEAT. WIND BREAKS SHALL BE PROVIDED FOR PROTECTION FROM DIRECT WIND.

G. ELECTRO SLAG WELDING WILL NOT BE PERMITTED

H. PORTIONS OF NEW AND EXISTING SURFACES TO RECEIVE WELDS SHALL BE CLEANED THOROUGHLY OF ALL FOREIGN MATTER INCLUDING PAINT FILM FOR A DISTANCE OF 2" FROM EACH SIDE OF THE OUTSIDE LINES OF WELD.

SHEET NO.	TITLE
1	GENERAL PLAN AND ELEVATION
2	GENERAL NOTES & SHEET INDEX
3	DECK SECTION
4	EAST ABUTMENT REPAIRS
5	EAST ABUTMENT DETAILS
6	WEST ABUTMENT REPAIRS
7	WEST ABUTMENT DETAILS
8	ABUTMENT DETAILS
9	PIERS 1 AND 2, REPAIRS
10	PIERS 3 AND 4, REPAIRS
11	PIERS 5 AND 6, REPAIRS
12	PIER 7 AND CONCRETE REPAIR DETAILS
13	PIER DETAILS
14	EXISTING FRAMING PLAN
15	FRAMING PLAN - SPANS 1 THRU 4
16	FRAMING PLAN - SPANS 5 THRU 8
17	GIRDER REPAIRS
18	FLOOR BEAM REPAIRS - FB1
19	FLOOR BEAM REPAIRS - FB41
20	NEW FLOOR BEAM DETAILS
21	NEW GIRDERS
22	STEEL DETAILS
23	FIXED AND EXPANSION JOINT DETAILS
24	DECK PLAN
25	SIDEWALK, BARRIER & PARAPET PLAN
26	SCUPPER DETAILS
27	REINFORCEMENT BAR SCHEDULE
28	REINFORCEMENT BAR SCHEDULE
29	CONTOUR PLAN, DECK ELEV. & STRESS TABLE
2A	SUMMARY OF QUANTITIES

CERTIFIED CORRECT PLANS

Approved by *[Signature]* *[Signature]*
 PENNSA. P. D. IN UTILITY OF *[Signature]*
 Attest: *[Signature]* By: *[Signature]* Chkd. *[Signature]* App'd. *[Signature]* Date *[Signature]*

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN
 ALLEGHENY COUNTY
 L.R. 736 EXT. SEC. 39
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL GIRDER BRIDGE
 GENERAL NOTES AND SHEET INDEX

APPROVED _____ SHEET 2 OF 29
 BRIDGE ENGINEER **S-14185**

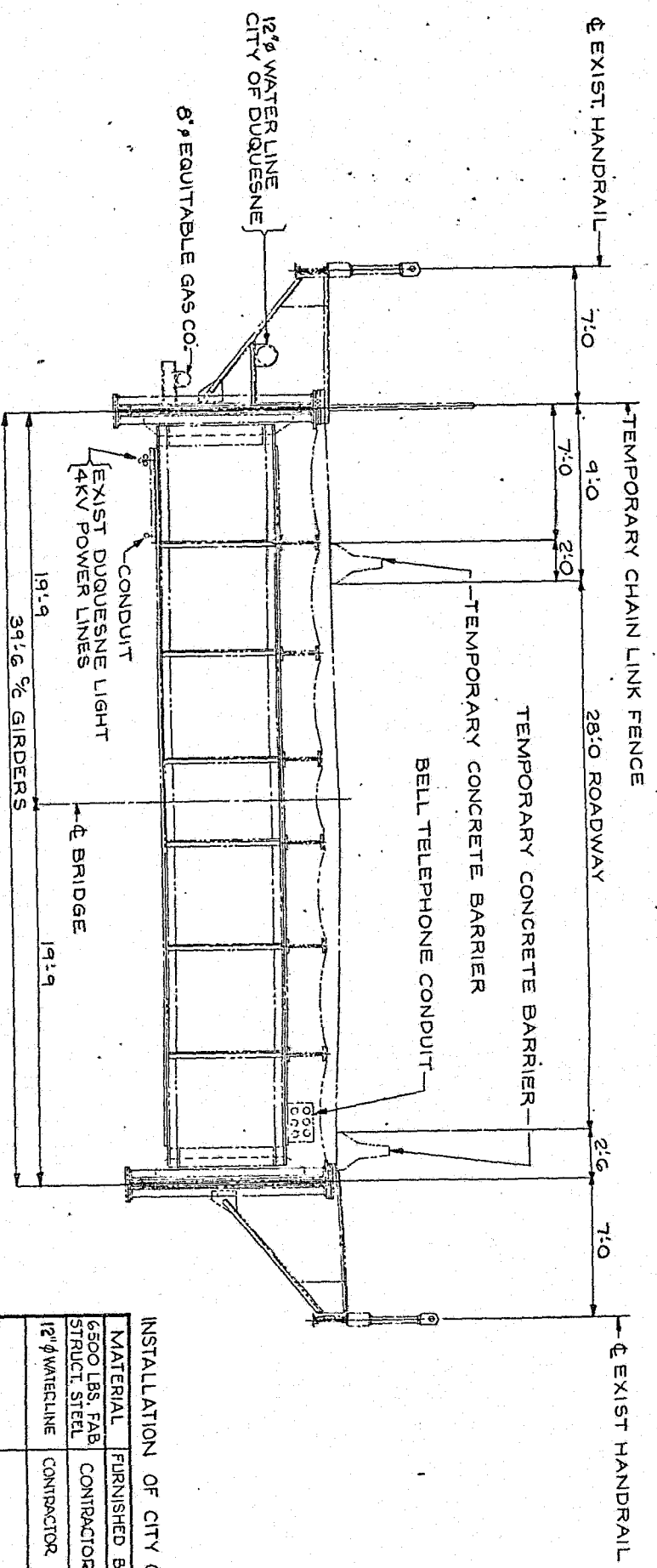
SUMMARY OF QUANTITIES

ITEM NO.	QTY.	UNIT	DESCRIPTION
204-0100	945	C.Y.	CLASS 3 EXCAVATION
205-0350	—	L.S.	SELECTED BORROW EXC. STRUCTURE B'FILL STA. 45+46.00 (APPROX. 952 C.Y.)
704-0001	240	C.Y.	CL. AA CEM. CONC.
704-0002	225	C.Y.	CL. A CEM. CONC.
704-0100	—	L.S.	CL. AA CEM. CONC., STA. 45+46.00 (APPROX. 2330 C.Y.)
1002-0001	26,300	LBS.	REINFORCEMENT BARS
1002-0002	—	L.S.	REINFORCEMENT BARS, STA. 45+46.00 (APPROX. 266,000 LBS.)
1002-0054	—	L.S.	REINFORCEMENT BARS, EPOXY COATED STA. 45+46.00 (APPROX. 201,000 LBS.)
1003-0005	100	EA.	DOWEL HOLES, 12" DEPTH.

ITEM NO.	QTY.	UNIT	DESCRIPTION
1003-0011	215	EA.	DOWEL HOLES, 24" DEPTH.
1003-0014	315	EA.	DOWEL HOLES, 30" DEPTH.
1012-0001	926	L.F.	PEDESTRIAN RAILING
1018-0050	—	L.S.	REMOVAL OF PORTION OF EXIST. BRIDGE, STA. 45+46.00 (A)
1019-0002	6300	S.Y.	PROTECTIVE COATING FOR REINFORCED CONC. SURFACES
1021-0003	332	L.F.	ARMORED PREFORMED NEOPRENE COMPRESSION DAM, 1/2" MOVEMENT
1056-0001	—	L.S.	* FABRICATED STRUCTURAL STEEL (APPROX. 932,500 LBS.) STA. 45+46.00 (A)
910-5255	820	L.F.	2" CONDUIT IN STRUCTURE
1056-0350	800	L.F.	DOWNSPROUTING
1056-0565	16	EA.	SCUPPER, SPECIAL

ITEM NO.	QTY.	UNIT	DESCRIPTION
1075-0001	—	L.S.	PAINTING EXIST. BRIDGE, STA. 45+46.00
1090+0074	4	EA.	RESET FIXED BEARING (A)
1090-0100	—	L.S.	JACKING BRIDGE SUPERSTRUCTURE (A)
1090-0203	15	C.F.	EPOXY RESIN MORTAR (A)
1090-0300	600	L.F.	CRACK REPAIR (A)
1090-0600	1000	C.F.	CL. AA CEM. CONC. REPAIRS (A)
2000-0001	265	L.F.	ELASTOMERIC EXPANSION JOINT SEAL, 2 1/2" MOVEMENT (A)
2000-0002	1700	EA.	REPLACE RIVETS WITH HIGH STRENGTH BOLTS (A)
2000-0003	—	L.S.	REPLACE EXISTING WATERLINE (A)

* APPROX. 597,500 LBS. A36 STEEL
 APPROX. 335,000 LBS. A572 STEEL
 (A) SEE SPECIAL PROVISIONS



EXISTING TYPICAL SECTION
 (LOOKING WEST)
 SCALE: 1/4"=1'-0"

MATERIAL	FURNISHED BY	INSTALLED BY	REMARKS
6500 LBS. FAB STRUCT. STEEL	CONTRACTOR	CONTRACTOR	
12" WATERLINE	CONTRACTOR	CONTRACTOR	

INSTALLATION OF CITY OF DUQUESNE FACILITIES

APPROVED _____

BRIDGE ENGINEER

SHEET 2A OF 29

9-14185

CERTIFIED CORRECT PLANS

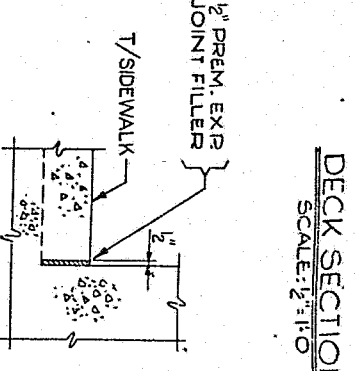
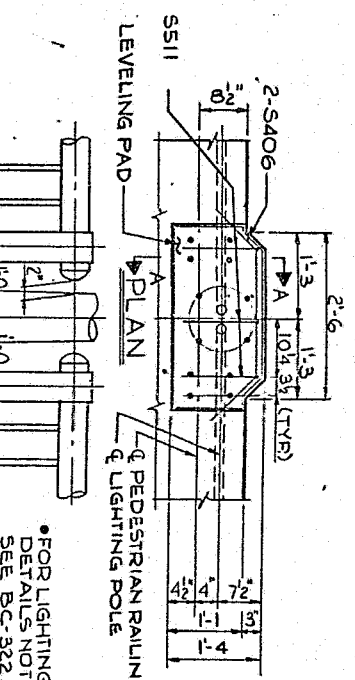
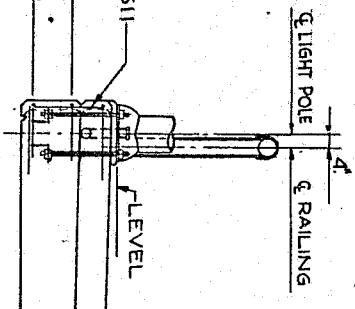
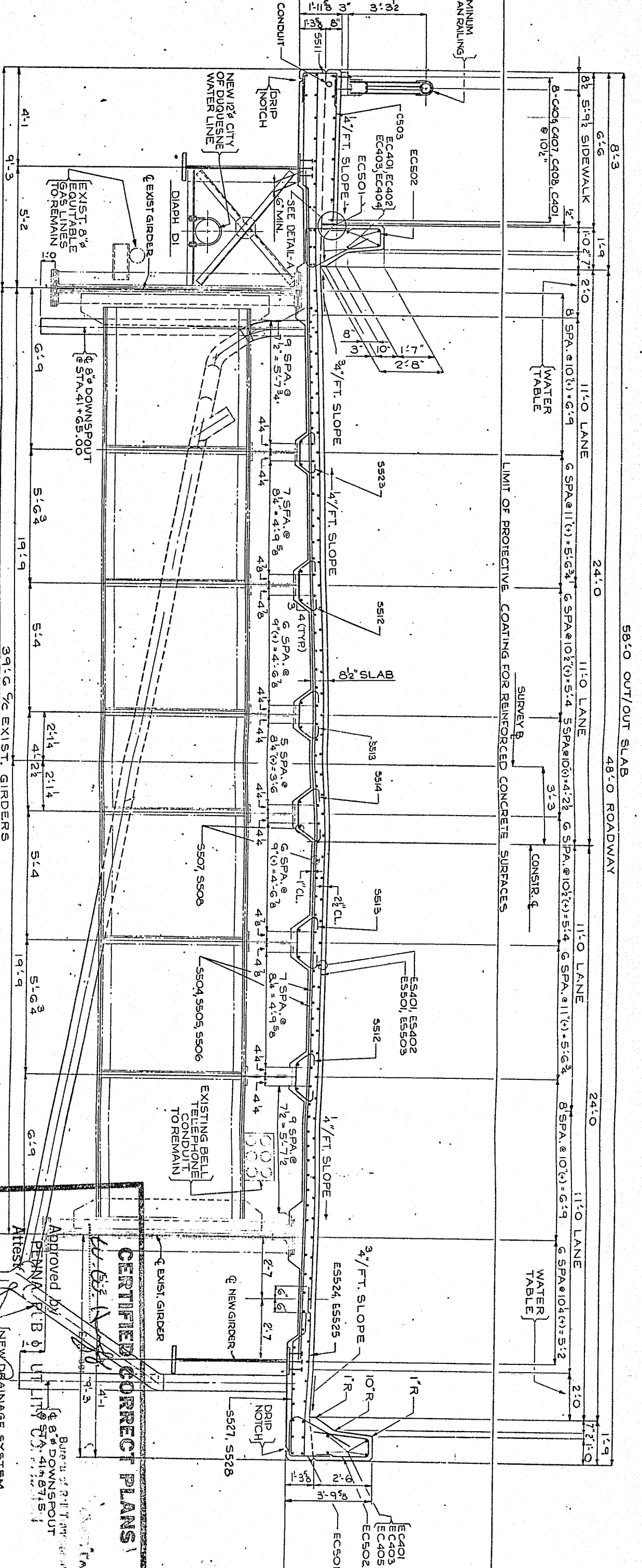
Approved by *W.W. Huff*
 PENNNA. PUB. UTILITY CO.
 Attest: *[Signature]*

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

ALLEGHENY COUNTY
 L.R. 736 EXT. SEC. 39
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL DECK GIRDER BRIDGE
 SUMMARY OF QUANTITIES

REVISIONS

No.	Description	By	Chk'd.	App'd.	Date
1					MAY 2 1982



- NOTES**
- FOR GENERAL NOTES, SEE SHEET 2
 - FOR GENERAL PLAN AND ELEVATION, SEE SHEET 1
 - FOR REINFORCEMENT BAR SCHEDULE, SEE SHEET 27 & 28
 - FOR TABLE OF DECK ELEVATIONS, SEE SHEET 29
 - FOR ESTIMATE OF QUANTITIES, SEE SHEET 2A
 - FOR DECK PLAN, SEE SHEET 24
 - FOR PARAPET BARRIER, SIDEWALK PLAN, SEE SHEET 25
 - FOR ARMORED PREFORMED NEOPRENE COMPRESSION SEAL, SEE SHEET 23
 - FOR FRAMING PLAN, SEE SHEET 15 & 16
 - ALL BAR MARKS, PREFIXED WITH THE LETTER "E" ARE EPOXY COATED BARS

CERTIFIED CORRECT PLANS

Approved by: *[Signature]*
 Attest: *[Signature]*

NEW DRAINAGE SYSTEM
 8" DOWNSPOUT
 STA. 41+87.51

MAY 2 1982

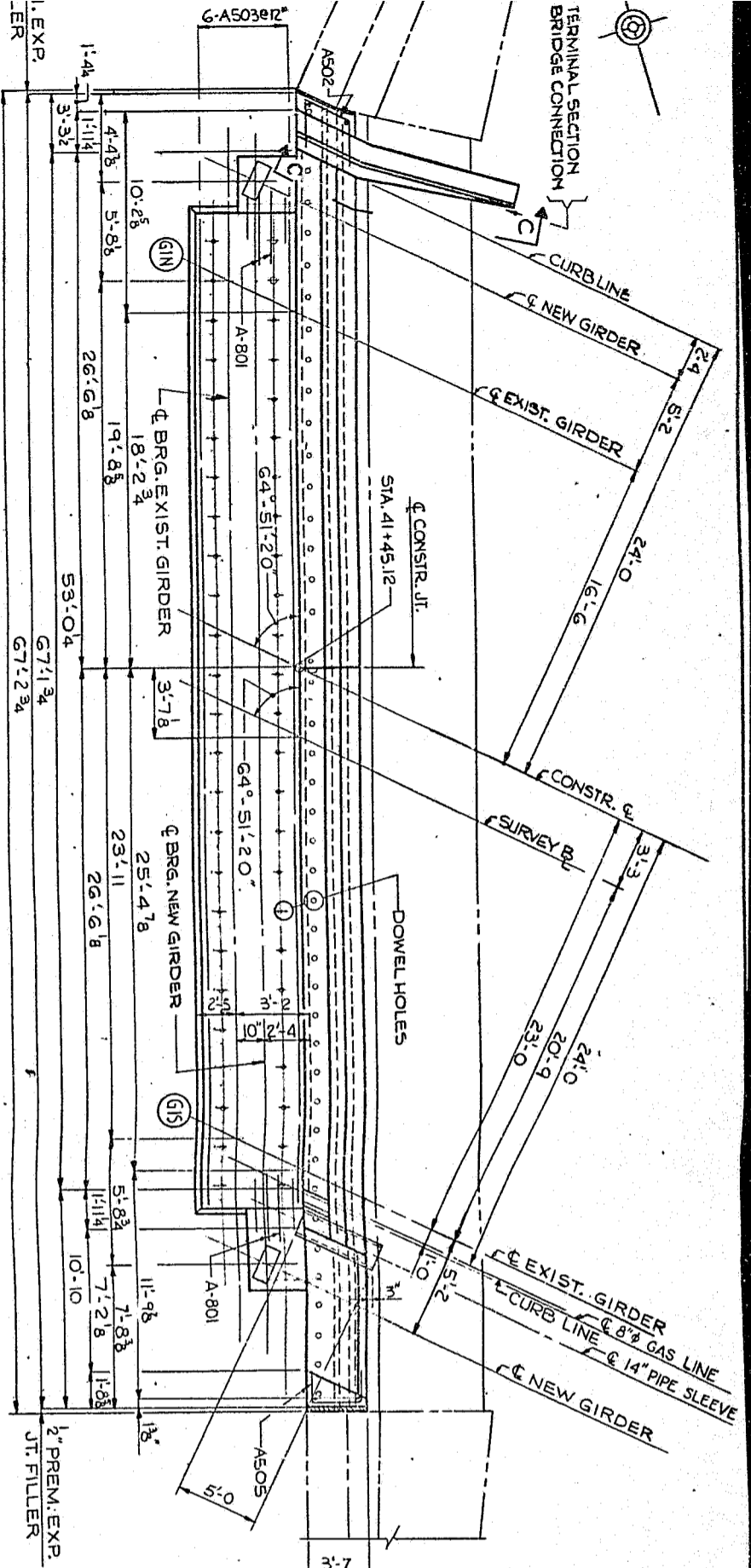
Mark	Description	By	Chk'd	App'd	Date

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

ALLEGHENY COUNTY
 L.R. 736 EXT. SEC. 39
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL DECK GIRDER BRIDGE
 DECK SECTION

APPROVED: _____
 BRIDGE ENGINEER

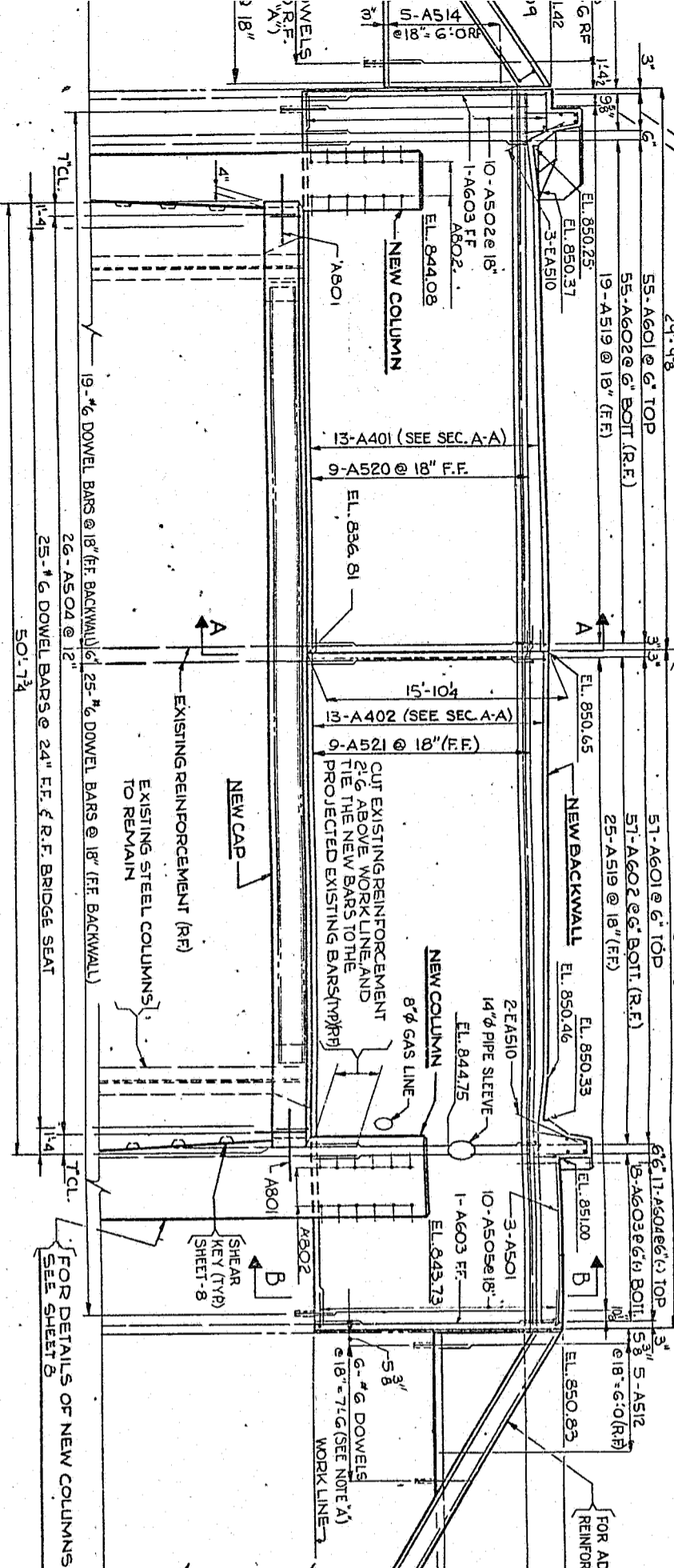
SHEET 3 OF 29
 S-14185



PLAN ~ EAST ABUTMENT

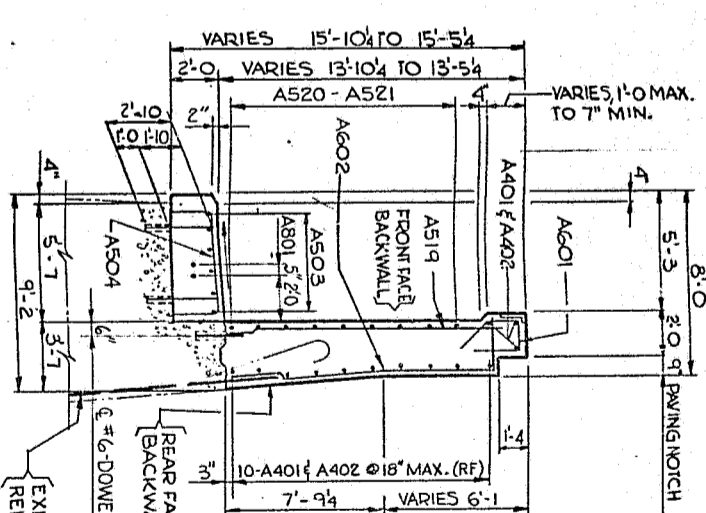
SCALE: 1/4" = 1'-0"

KEYED CONSTR. JT. STOP KEY 1'-0" BELOW TOP BACKWALL



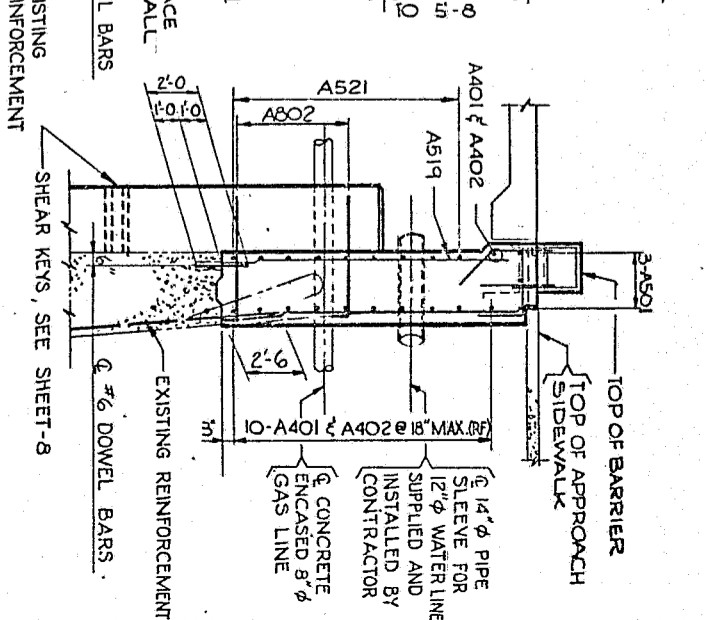
ELEVATION ~ EAST ABUTMENT

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



SECTION ~ A-A

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



SECTION ~ B-B

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

REPAIR AND CORRECT PLANS

FOR DOWNHOLE REPAIRS WITH NON-SHRINK GROUT AND INSERT TO DOWEL BARS.

- NOTES:
- APPROVED BY [Signature]
 - FOR NEW CONCRETE COLUMNS, SEE SHEET 2.
 - FOR REINFORCEMENT BAR SCHEDULE, SEE SHEET 2.
 - FOR ESTIMATE OF QUANTITIES, SEE SHEET 2.
 - FOR EXHIBITION DRAWING DETAILS, SEE SHEET 2.
 - FOR SECTION V-C, SEE SHEET 8.
 - FOR ADDITIONAL ABUTMENT REPAIRS, SEE SHEET 8.
 - CUT OR BEND REINFORCING BARS TO CLEAR UTILITIES.

- LEGEND
- RF DENOTES REAR FACE
 - RF DENOTES GIRDER MARK
 - FF DENOTES FRONT FACE

Mark	Description	By	Chk'd.	App'd.	Date
REVISIONS					

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39

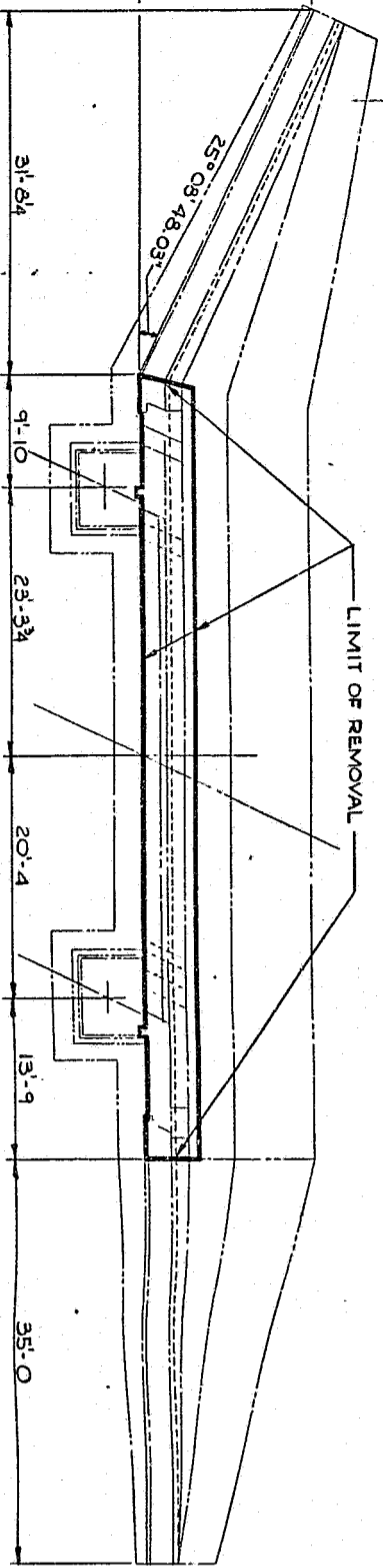
L.R. 736 EXT. STA. 45+46.00
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
EAST ABUTMENT DETAILS

APPROVED _____

BRIDGE ENGINEER

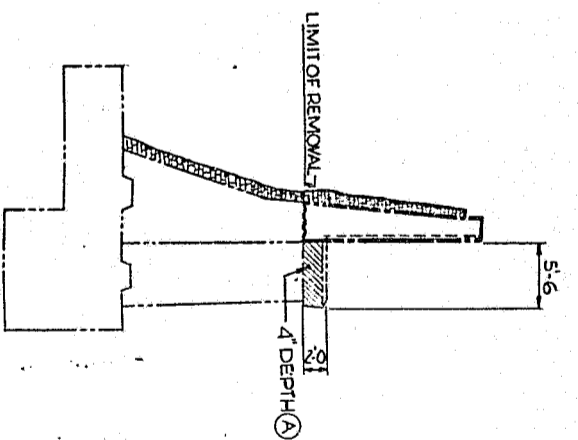
SHEET 5 OF 29

S-14185



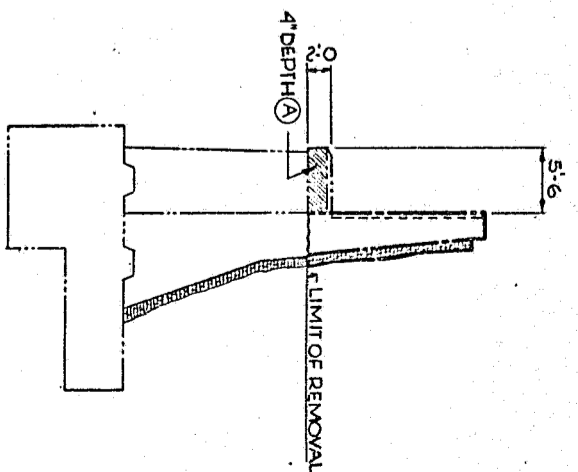
PLAN - WEST ABUTMENT

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



SECTION A-A

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

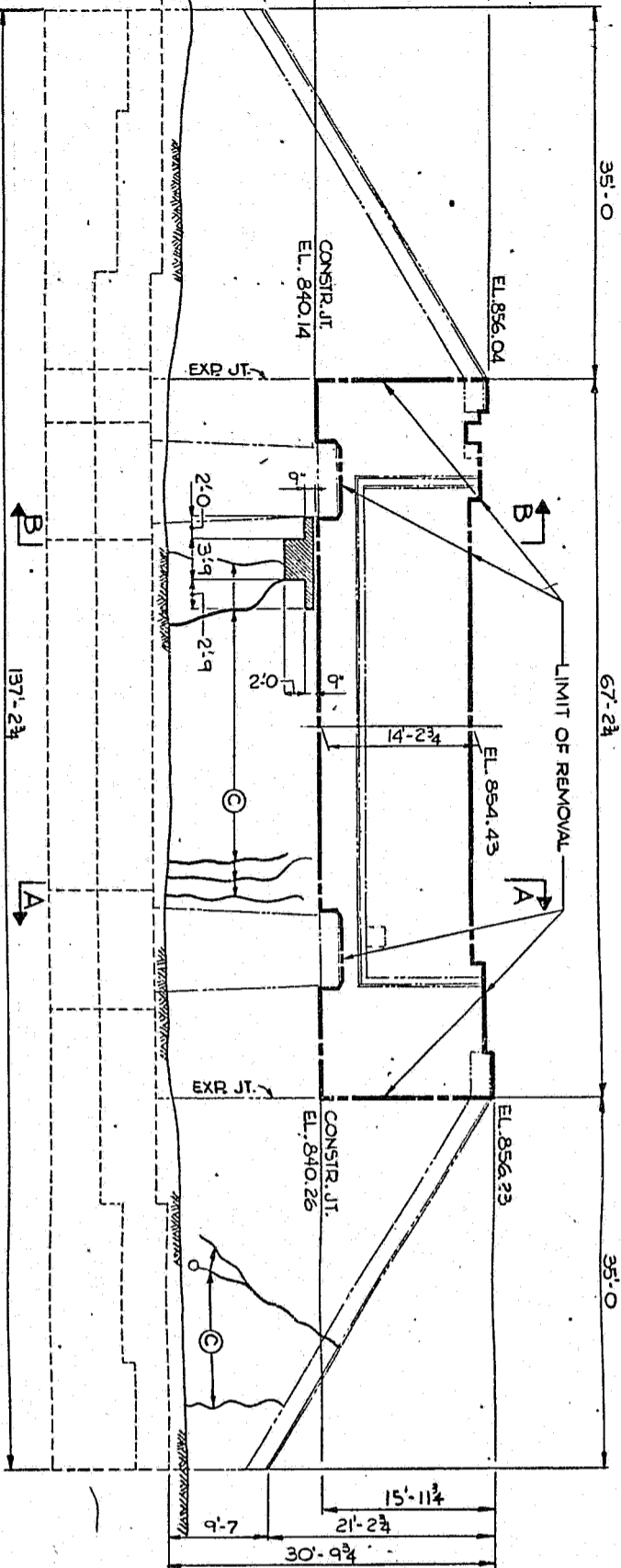


SECTION B-B

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

NOTES:

- FOR NEW BACKWALL REPAIRS, SEE SHEET 7
- FOR EAST ABUTMENT, SEE SHEETS 4 AND 5
- FOR PIER REPAIRS, SEE SHEETS 9 - 13
- FOR ESTIMATE OF QUANTITIES, SEE SHEET 2A
- AFTER THE REPAIRS HAVE BEEN COMPLETED, CLEAN AND COAT ALL EXTERIOR EXPOSED CONCRETE SURFACES WITH EPOXY PROTECTIVE COATING.
- CLEAN-OUT AND EXPOSE EXISTING WEED HOLES.



ELEVATION - WEST ABUTMENT

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

LEGEND

- DENOTES OUTLINE OF EXISTING ABUTMENT
- - - DENOTES LIMIT OF REMOVAL
- ▨ DENOTES AREAS TO BE REPAIRED
- ⊙ DENOTES CONCRETE REPAIR PROCEDURE, NOTE 1
- ⊙ OR ⊙ AS DESIGNATED, FOR CONCRETE REPAIR PROCEDURES, SEE SHEET 12
- ~~~~~ DENOTES CRACKS

CERTIFIED CORRECT PLANS

Approved by
PENNA. PUB. UTILITY CO.
Attest:
Bureau of Public Utilities

Mark	Description	By	Checked	Date

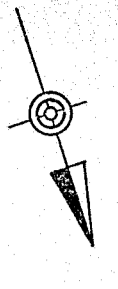
Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39

LR. 736 EXT. STA. 45+46.00
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8 - SPAN STEEL DECK GIRDER BRIDGE
WEST ABUTMENT REPAIRS

APPROVED _____ SHEET 6 OF 29

BRIDGE ENGINEER _____ S-14185

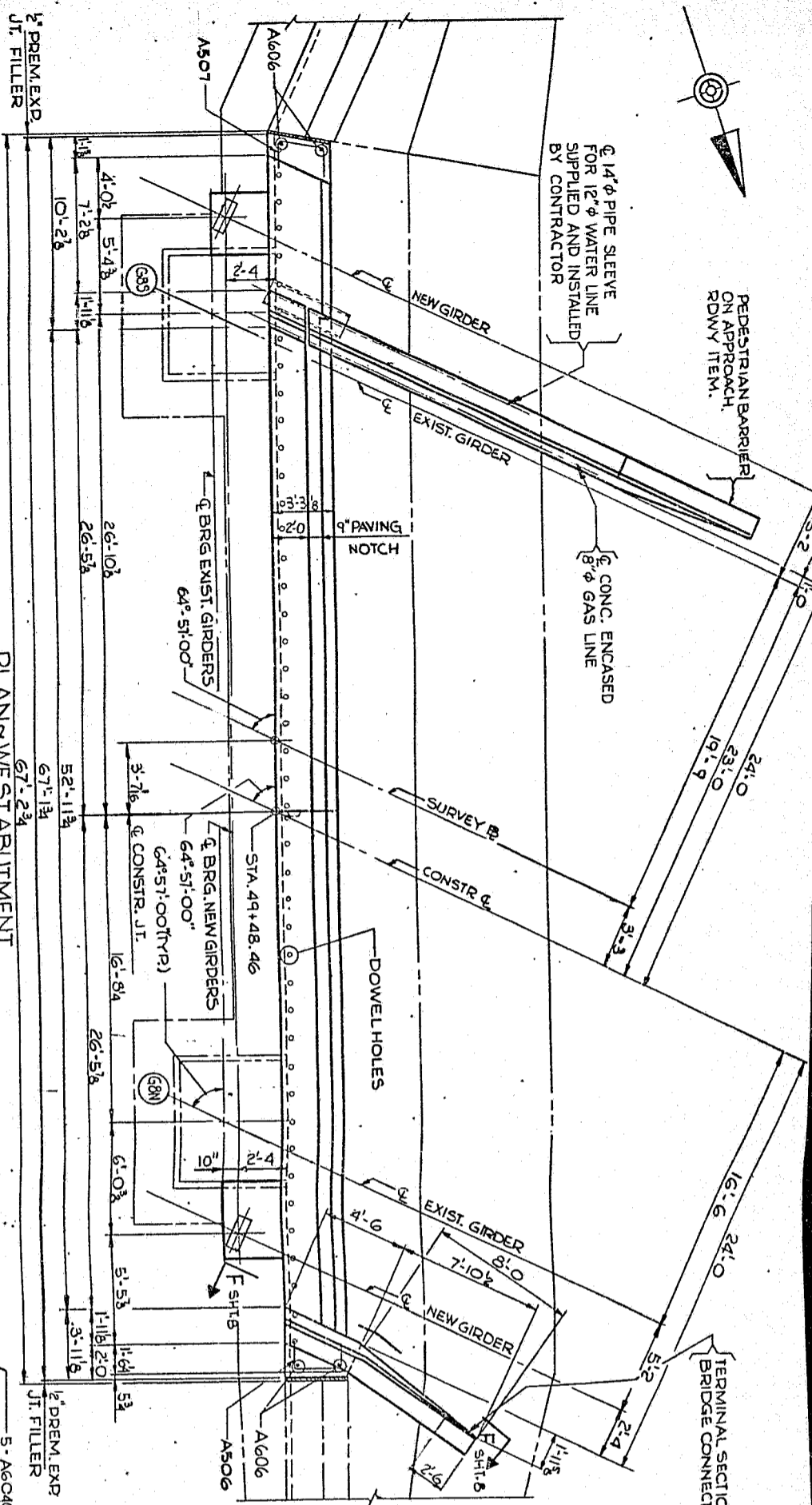


PEDESTRIAN BARRIER
ON APPROACH
RDWY ITEM.

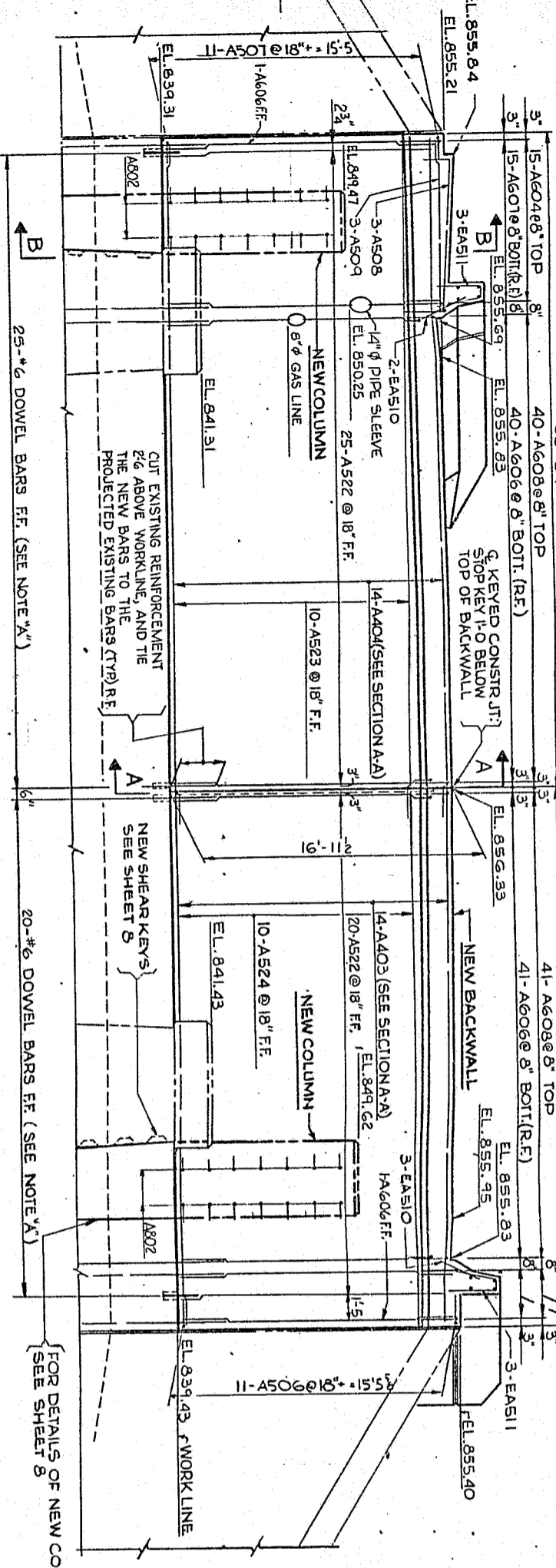
14" φ PIPE SLEEVE
FOR 12" φ WATER LINE
SUPPLIED AND INSTALLED
BY CONTRACTOR

8" φ CONC. ENCASED
8" φ GAS LINE

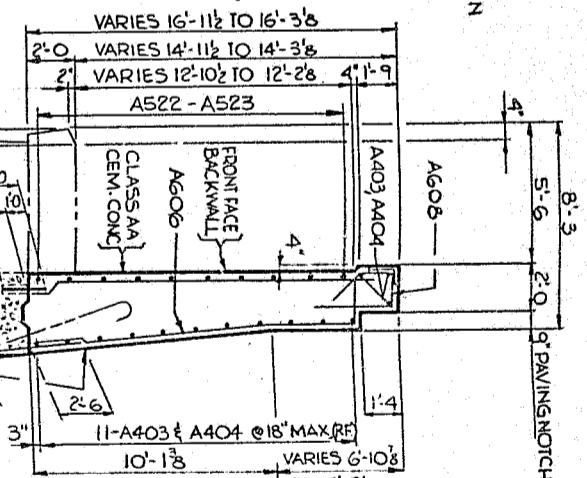
TERMINAL SECTION
BRIDGE CONNECTION



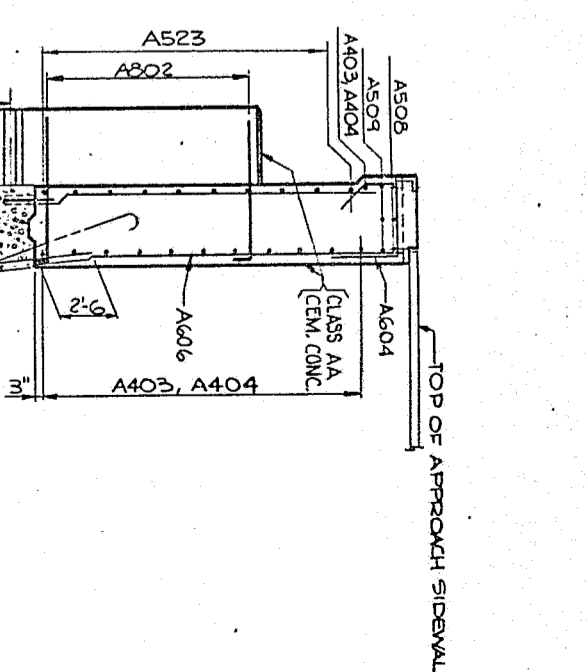
PLAN ~ WEST ABUTMENT
SCALE: 1/4" = 1'-0"



ELEVATION ~ WEST ABUTMENT
SCALE: 1/4" = 1'-0"



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



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

NOTE 'A'
FOR DOWEL BARS - DRILL 2" HOLES
I-O DEPTH, FILL HOLES WITH NON-SHRINK
GROUT, AND INSERT #6 DOWEL BARS.

CERTIFIED CORRECT PLANS

W. W. [Signature]

NOTES
FOR NEW CONCRETE COLUMNS, SEE SHEET-81.

Approved by
FOR GENERAL PLAN AND ELEVATION, SEE SHEET-1.
FOR REINFORCEMENT BAR SCHEDULE, SEE SHEETS-27 & 28.
FOR ESTIMATE OF QUANTITIES, SEE SHEET-2A.
FOR EXPANSION DAM DETAILS, SEE SHEET-23.
FOR SECTION F-F, SEE SHEET-6. MAY 8 1982
FOR ADDITIONAL ABUTMENT REPAIR DETAILS, SEE SHEET-8.
ALL BAR MARKS PREFIXED 'E' ARE EPOXY COATED BARS.
CUT OR BEND REINFORCING BARS TO CLEAR UTILITIES THROUGH BACKWALL.

LEGEND
RF DENOTES FRONT FACE
GF DENOTES GIRDER MARK
FF DENOTES FRONT FACE

Mark	Description	By	Chk'd.	App'd.	Date

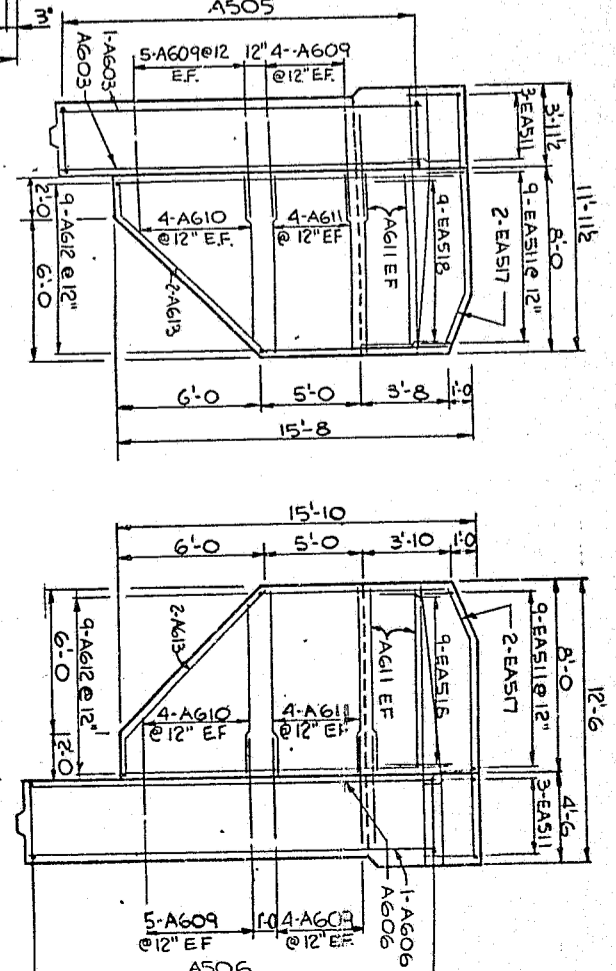
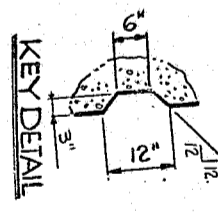
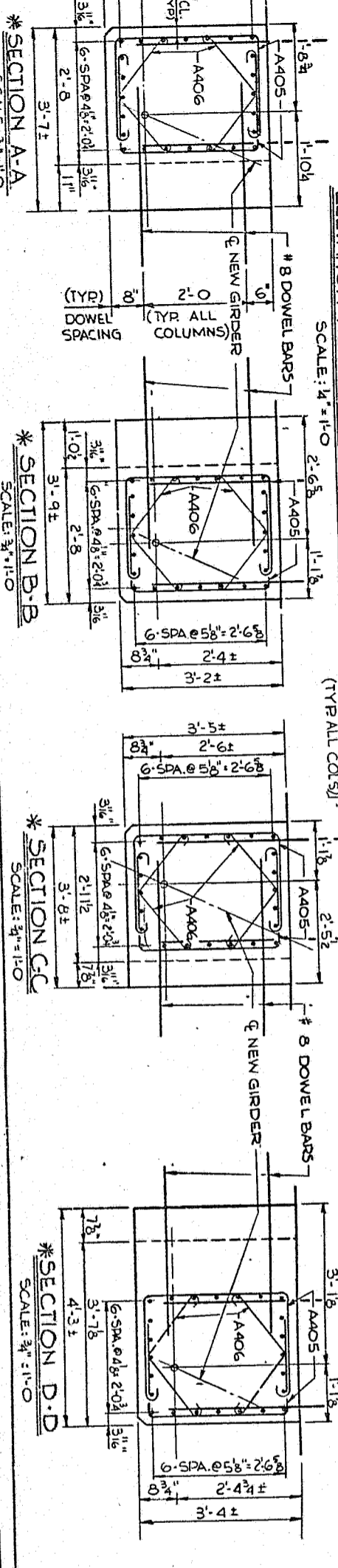
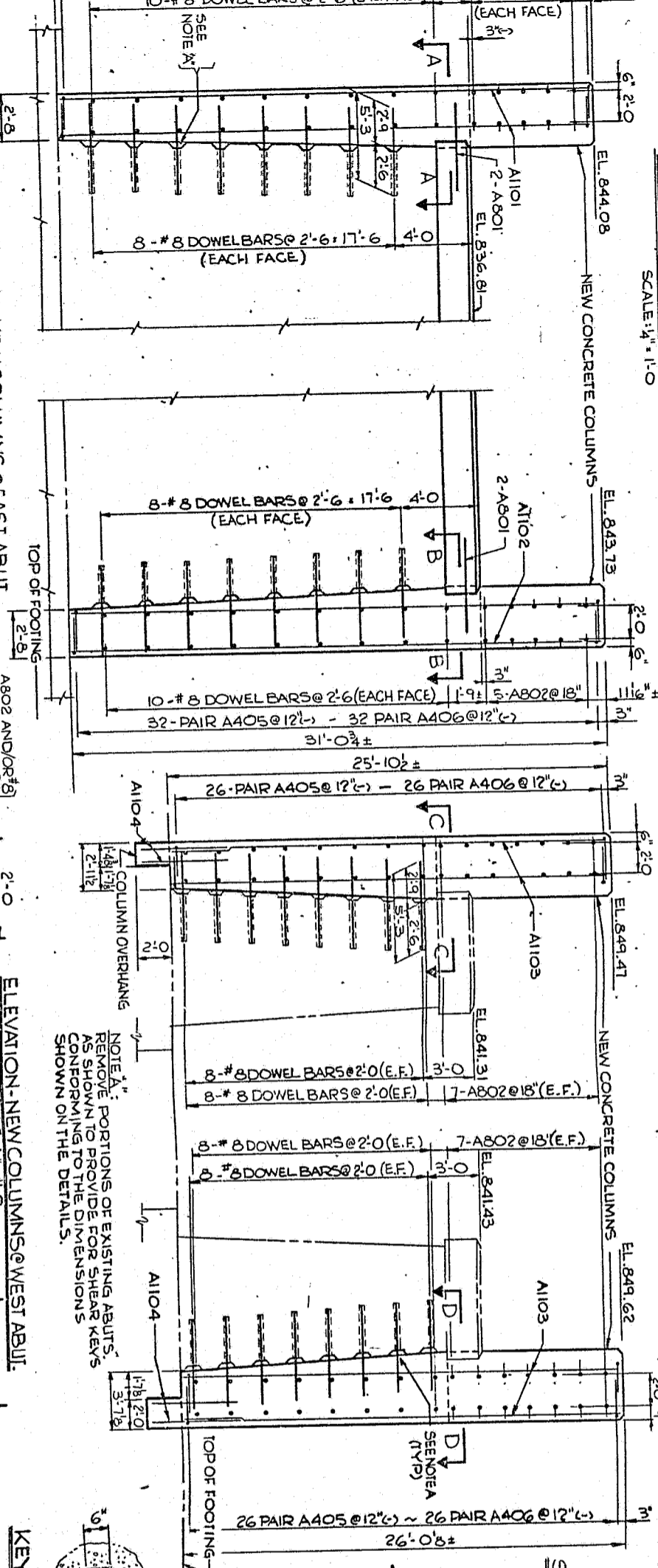
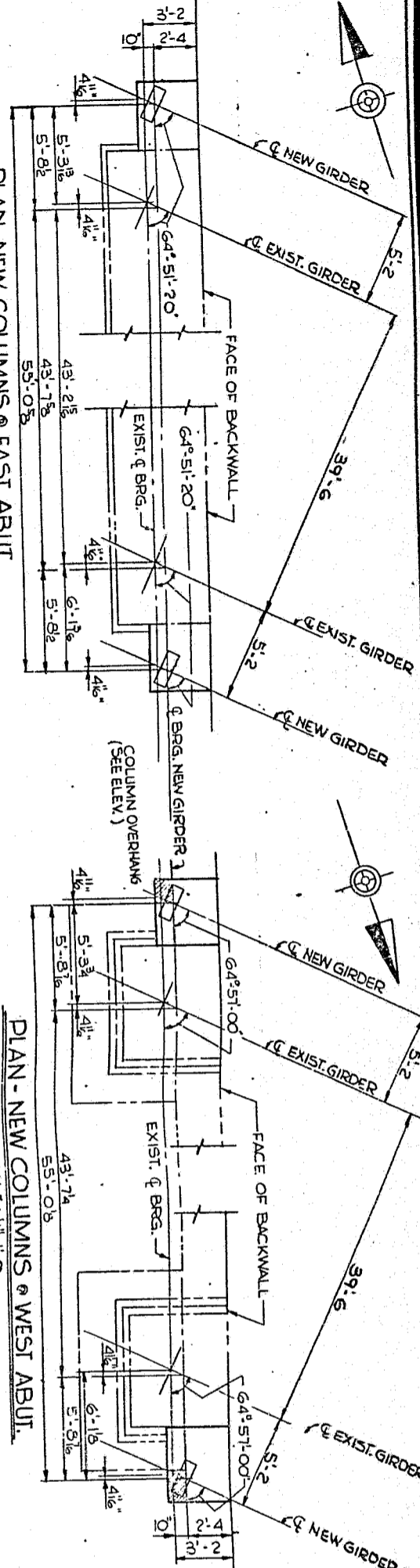
Commonwealth of Pennsylvania
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BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39

L.R. 736 EXT. STA. 45+46.00
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL GIRDER BRIDGE
WEST ABUTMENT DETAILS

APPROVED: _____
BRIDGE ENGINEER

SHEET 7 OF 29
S-14185



CERTIFIED CORRECT PLANS

Approved by
W.C. Huff
Engineer

Bureau of Road and Transportation

PERNNA PUBLIC UTILITY COMPANY

FOR DOWEL HOLES - DRILL 24" HOLES X 2'-6" DEPTH. FILL WITH NON-SHRINK GROUT AND IMMEDIATELY INSERT REINFORCING DOWEL BARS.

MAY 2 1982

* SECTIONS A-A, B-B, C-C AND D-D ARE GUIDES FOR THE INTENDED ARRANGEMENT OF REINFORCEMENT ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE REQUIRED LOCATIONS OF NEW GIRDER BEARINGS PRIOR TO FIXING DIMENSIONS OF NEW CONCRETE. A MINIMUM CLEARANCE OF 2" FROM EDGE OF BEARING PLATE TO EDGE OF CONCRETE, AS SHOWN.

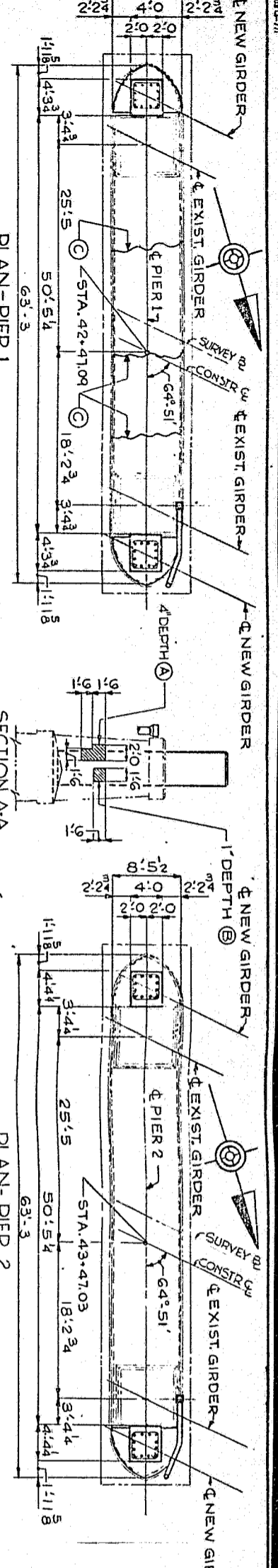
Mark	Description	By	Chk'd	App'd	Date
	REVISIONS				

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
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ALLEGHENY COUNTY
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8-SPAN STEEL DECK GIRDER BRIDGE
ABUTMENT DETAILS

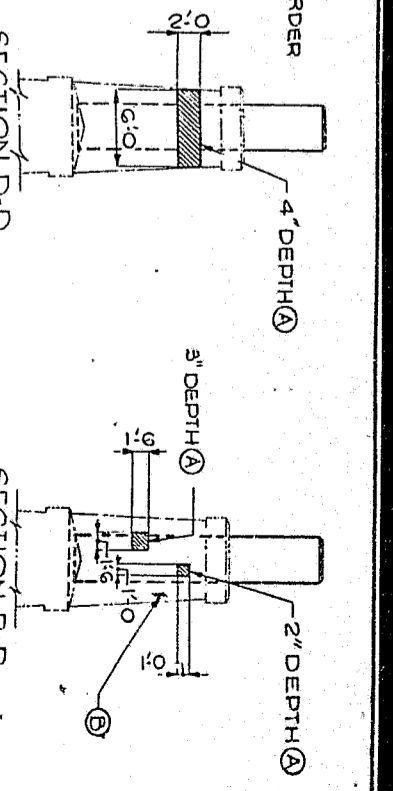
APPROVED _____
BRIDGE ENGINEER

SHEET 8 OF 29
S-14185



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

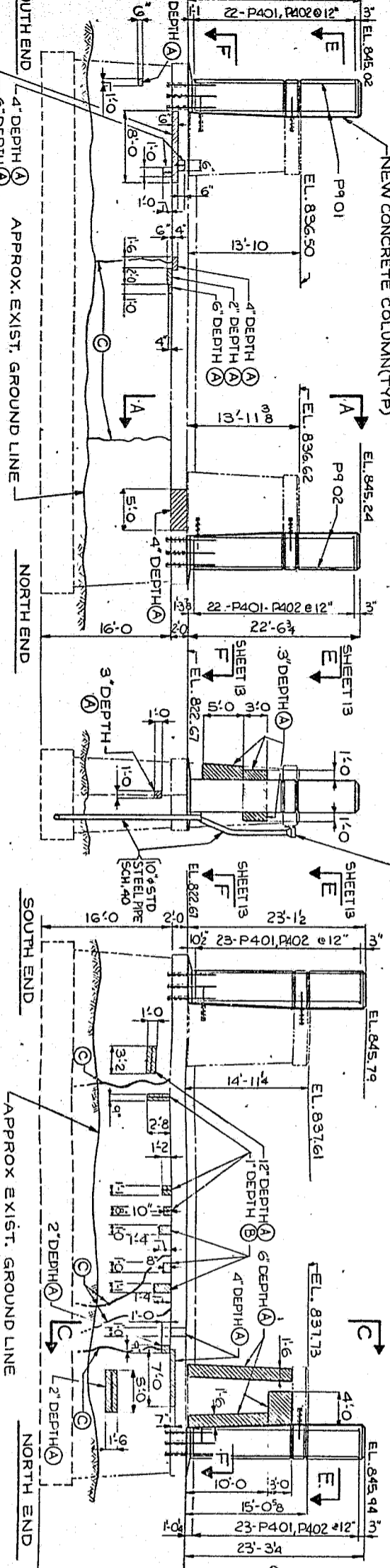
SECTION AA
SCALE: 3/8" = 1'-0"



PLAN-PIER 2
SCALE: 1/8" = 1'-0"

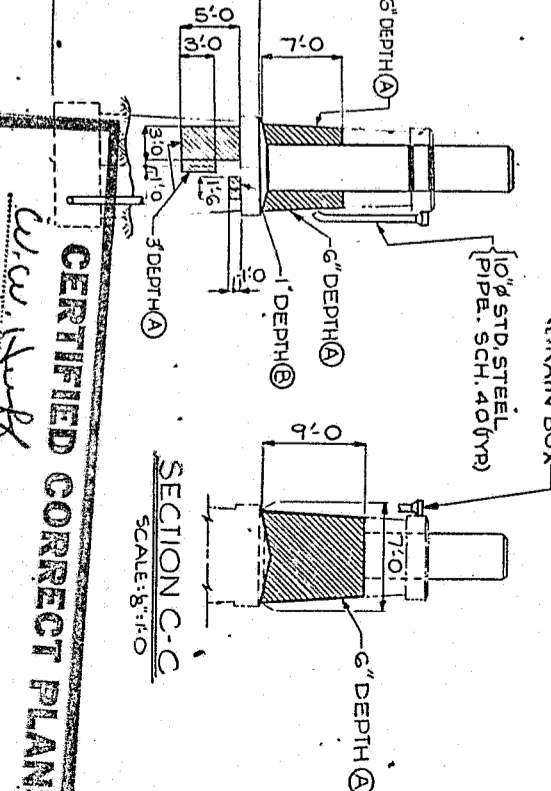
SECTION D-D
SCALE: 3/8" = 1'-0"

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



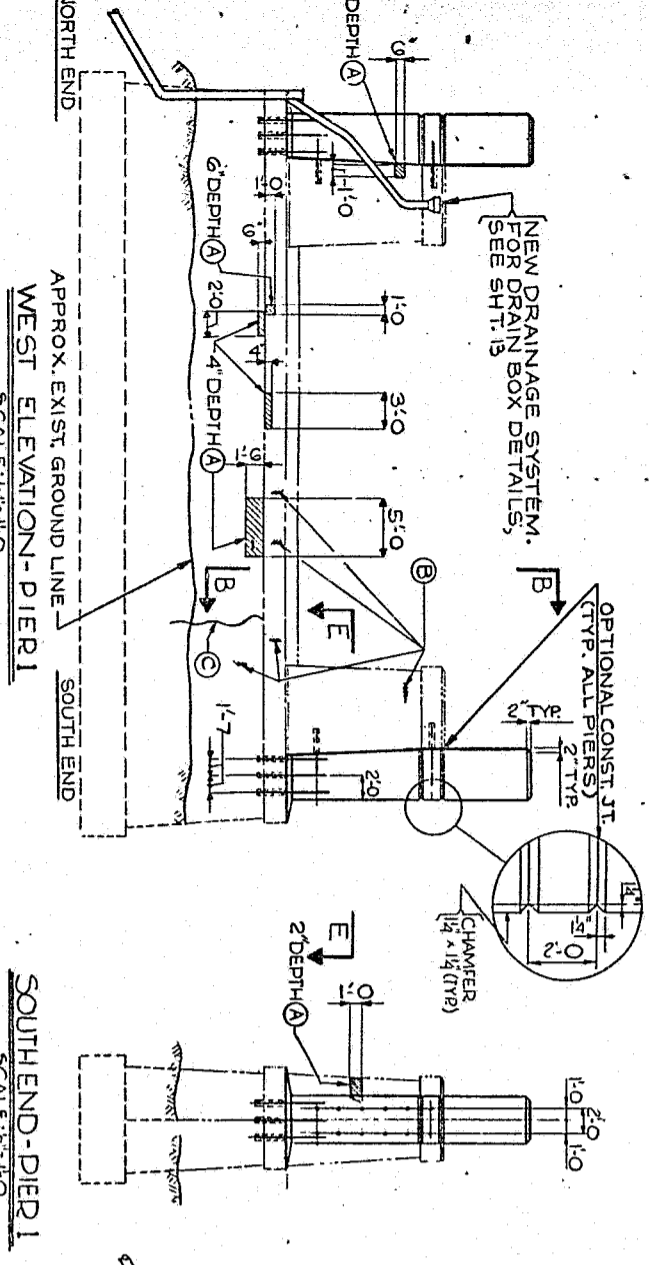
EAST ELEVATION-PIER 1
SCALE: 1/8" = 1'-0"

NORTH END-PIER 1
SCALE: 3/8" = 1'-0"

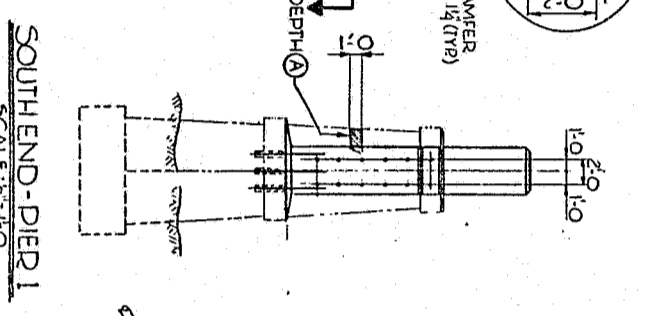


EAST ELEVATION-PIER 2
SCALE: 1/8" = 1'-0"

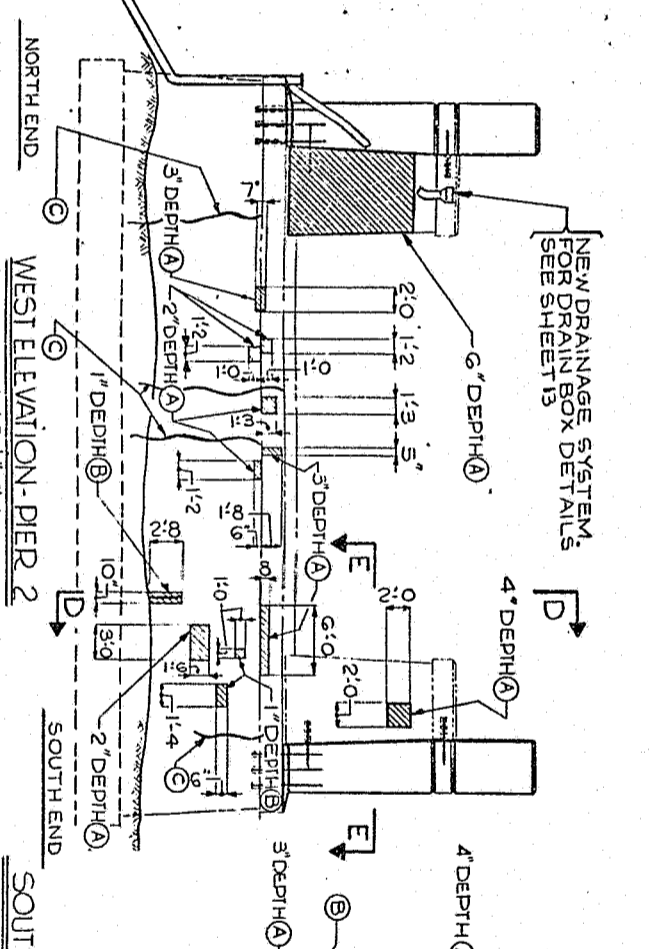
NORTH END-PIER 2
SCALE: 3/8" = 1'-0"



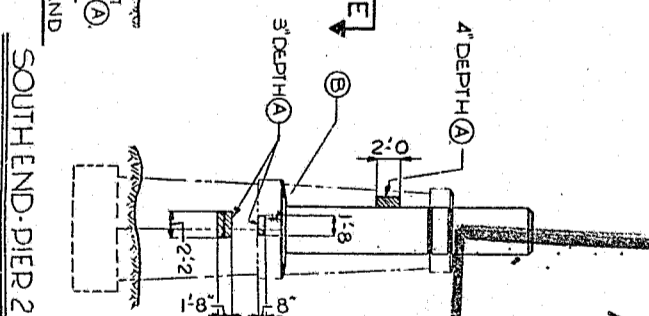
WEST ELEVATION-PIER 1
SCALE: 3/8" = 1'-0"



SOUTH END-PIER 1
SCALE: 3/8" = 1'-0"



WEST ELEVATION-PIER 2
SCALE: 3/8" = 1'-0"



SOUTH END-PIER 2
SCALE: 3/8" = 1'-0"

- NOTES:
- FOR PIER DETAILS, SEE SHEET 13
 - FOR PIERS 3 & 4, SEE SHEET 10
 - FOR PIERS 5 & 6, SEE SHEET 11
 - FOR PIER 7, SEE SHEET 12
 - FOR DRAINAGE DETAILS, SEE SHEET 13
 - FOR CONCRETE REPAIR PROCEDURES AND DETAILS, SEE SHEET 12

CERTIFIED CORRECT PLANS

Approved by
PENNA. PUBLIC UTILITIES BOARD
Attest:
Secretary

REVISIONS

Mark	Description	By	Chk'd	App'd	Date

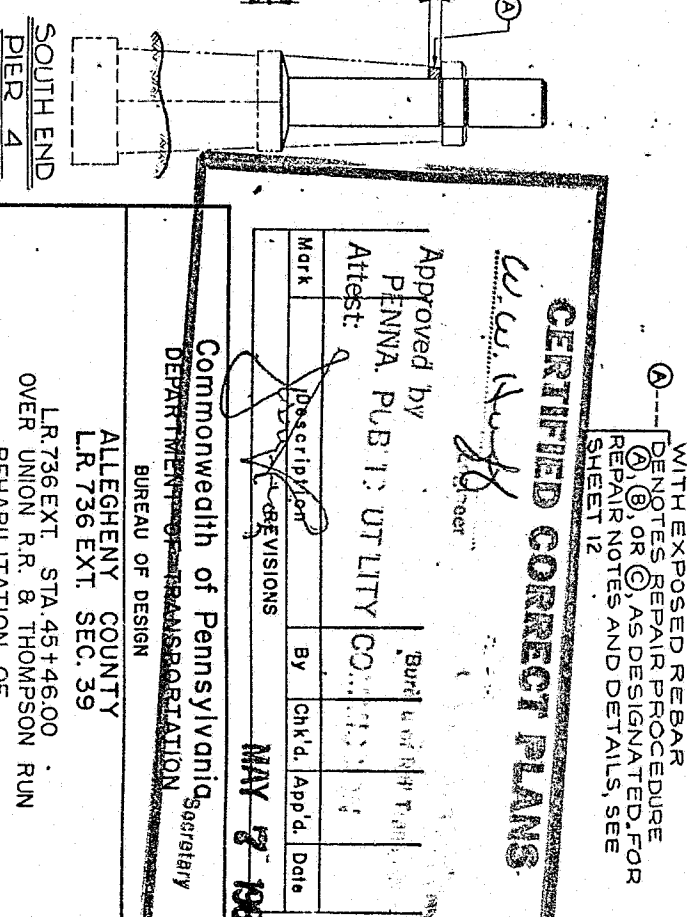
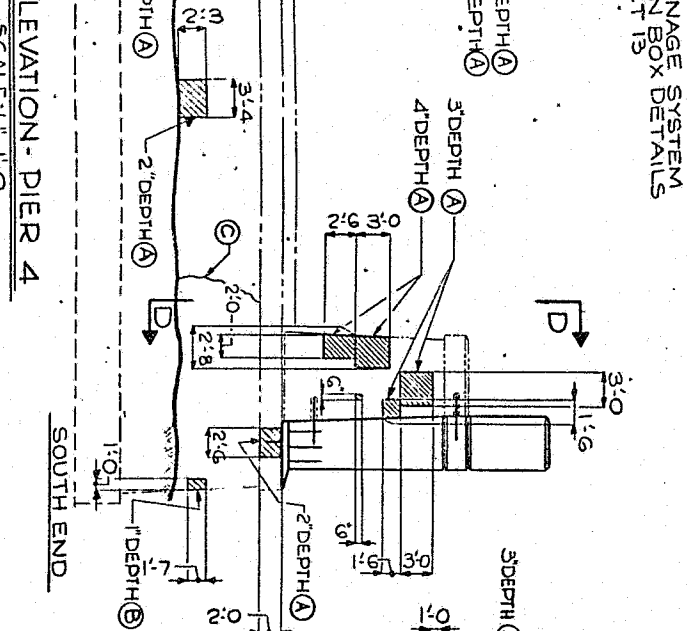
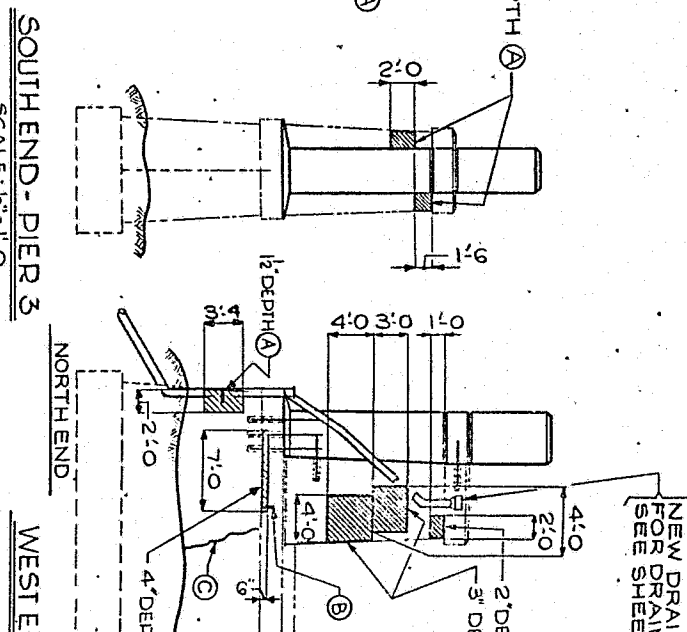
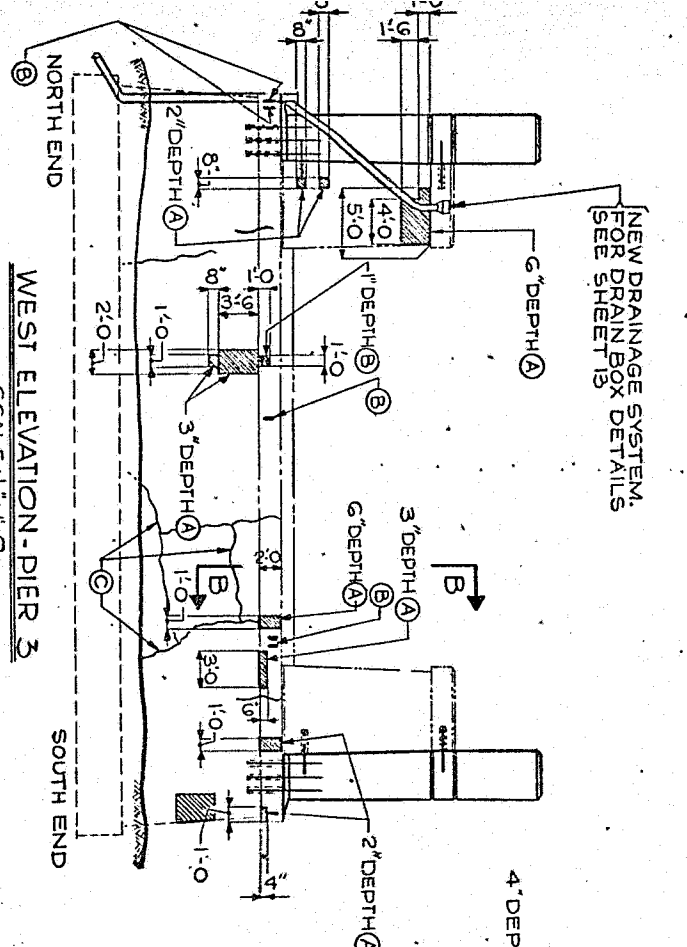
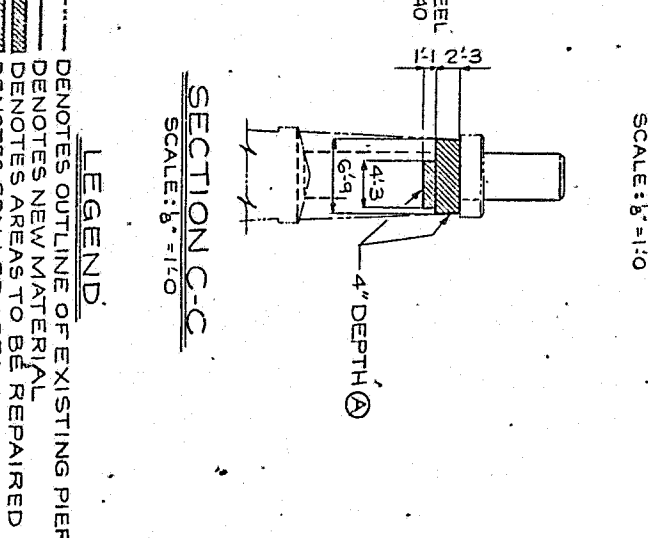
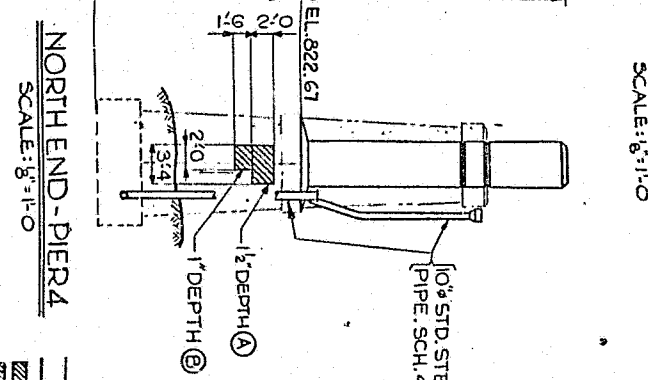
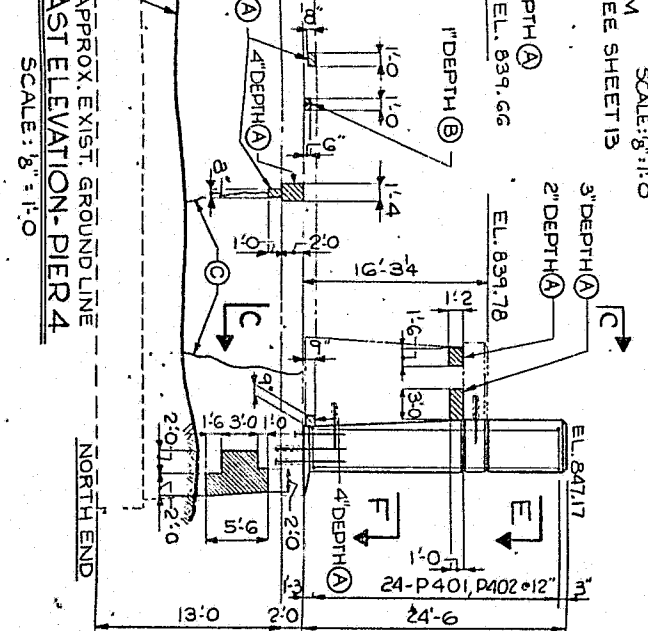
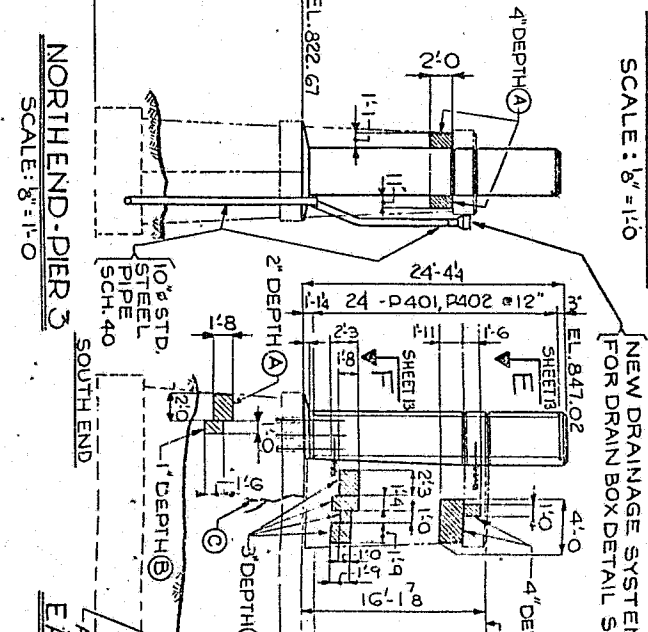
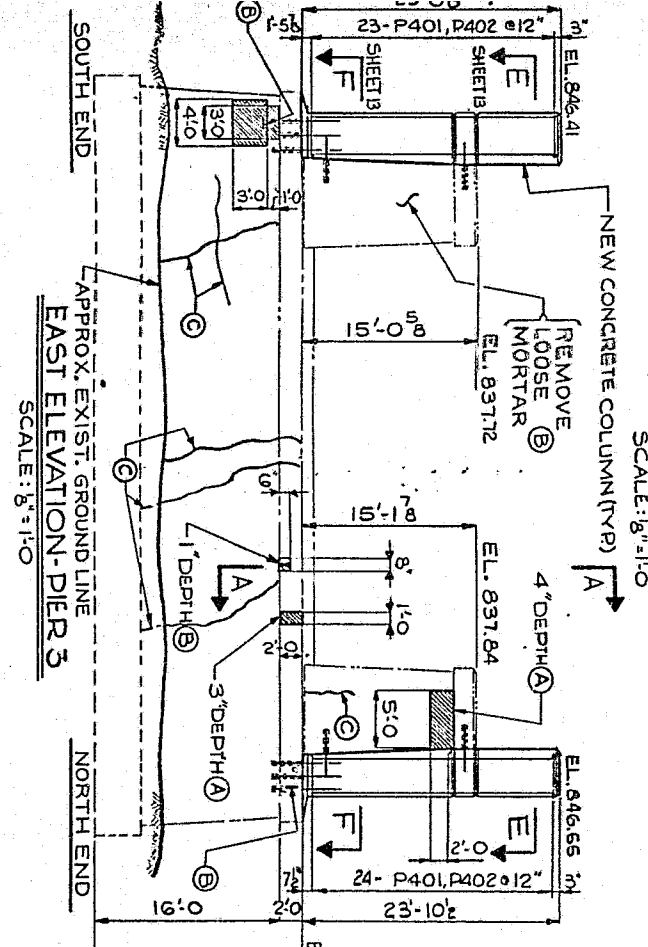
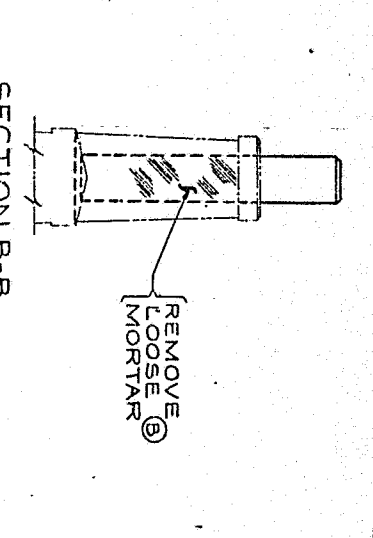
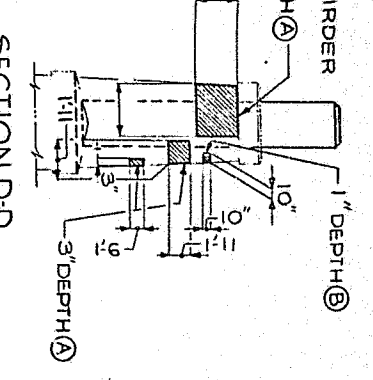
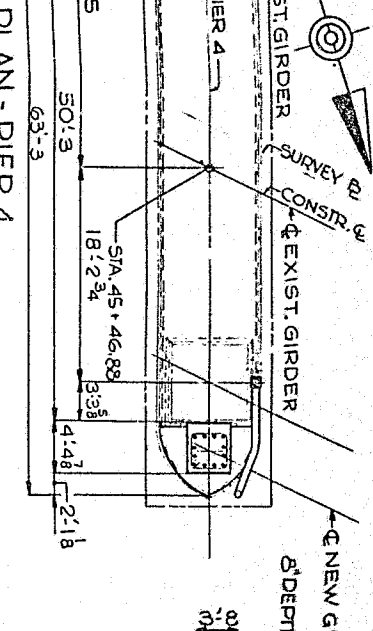
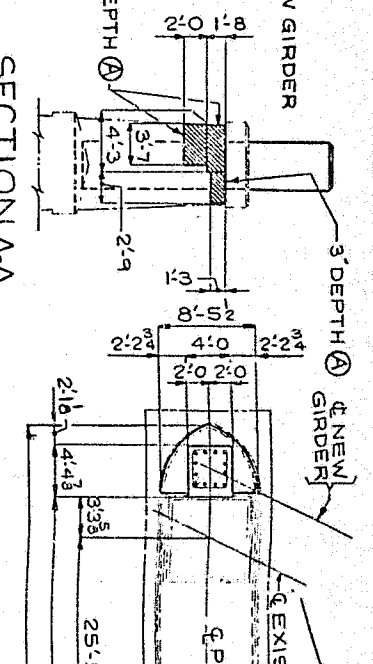
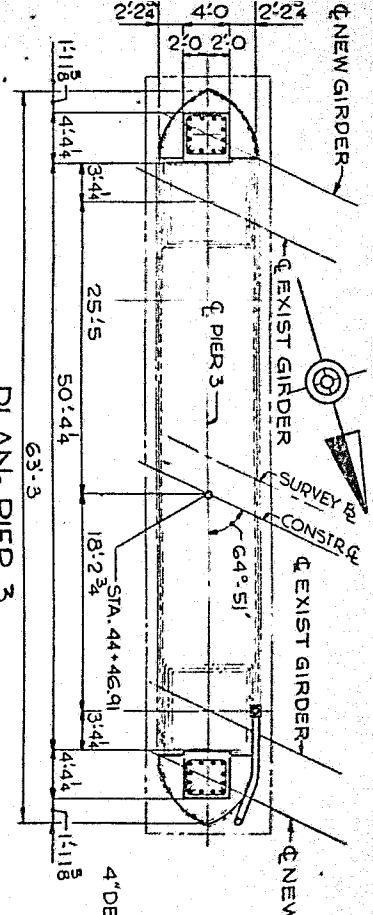
Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
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ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39

L.R. 736 EXT. STA. 45+46.00
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
PIERS 1 AND 2, REPAIRS

APPROVED _____
BRIDGE ENGINEER

SHEET 9 OF 29
9-14135



LEGEND

- DENOTES OUTLINE OF EXISTING PIER
- ██ DENOTES NEW MATERIAL
- ▨ DENOTES AREAS TO BE REPAIRED
- ▩ DENOTES SPALLED AREA
- ▧ DENOTES EXPOSED REBAR WITH EXPOSED REBAR
- DENOTES REPAIR PROCEDURE REPAIR NOTES AND DETAILS, SEE SHEET 12

CERTIFIED CORRECT PLANS

Approved by
PENN. PUB. UTILITY
Attest:
Bureau of Design

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
LR 736 EXT. SEC. 39

LR 736 EXT. STA. 45+46.00
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
PIERS 3 AND 4, REPAIRS

APPROVED
BRIDGE ENGINEER
SHEET 10 OF 29
S-14185

DATE: 5/1/00

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

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

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

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

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

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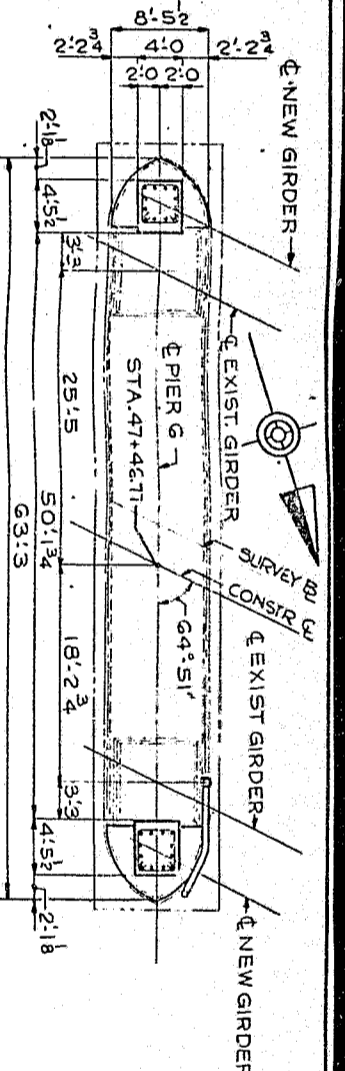
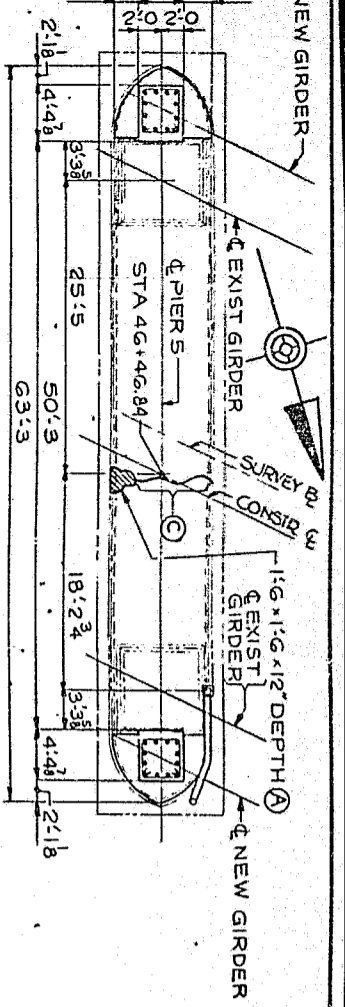
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SCALE: 1/8" = 1'-0"

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

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

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



PLAN - PIER 5
SCALE: 8"=1'-0"

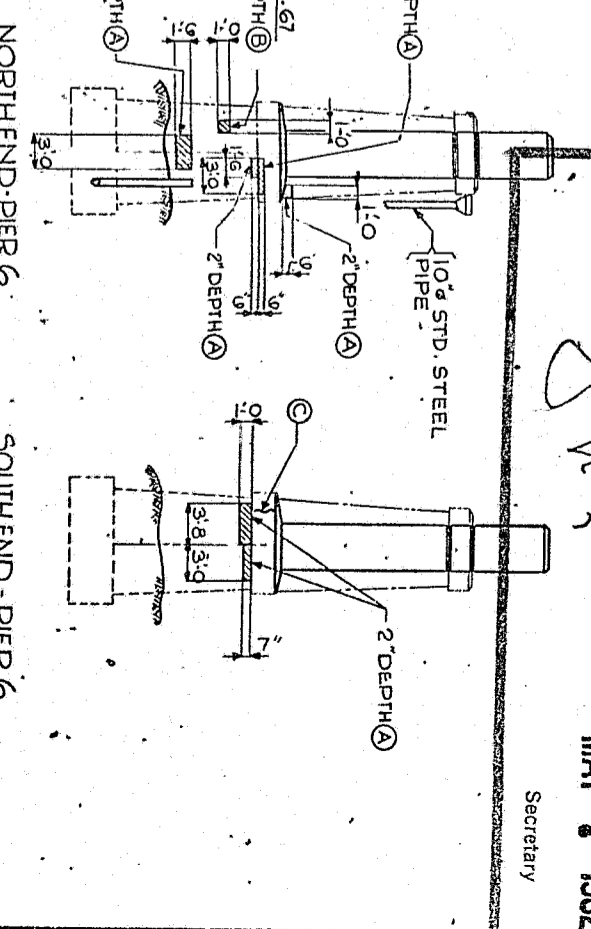
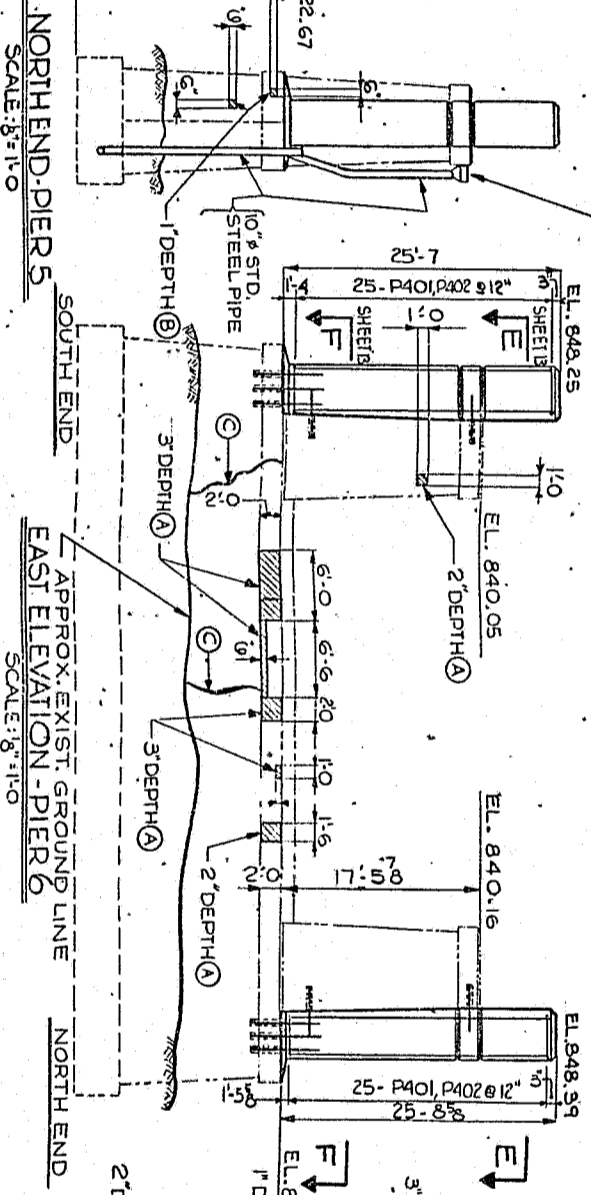
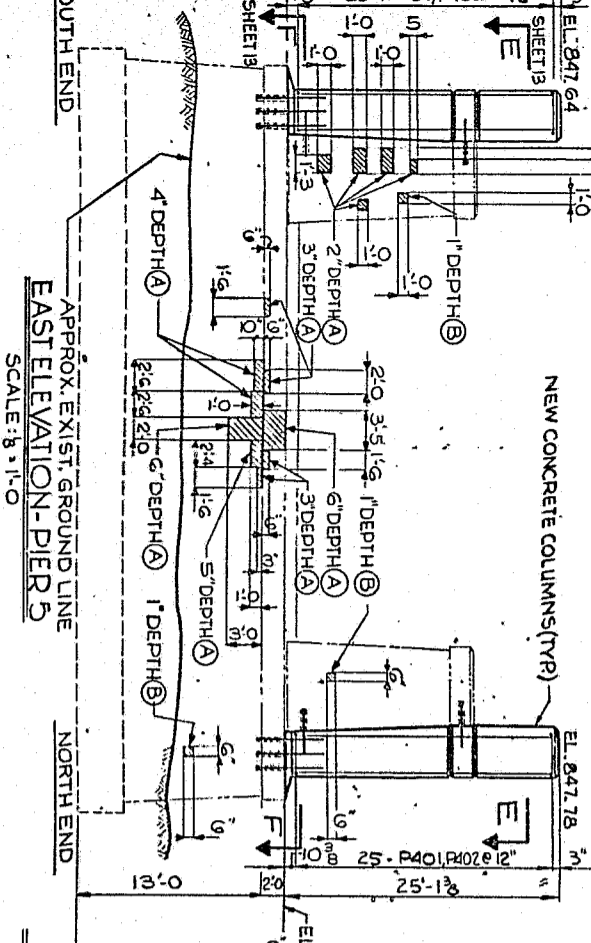
PLAN - PIER 6
SCALE: 8"=1'-0"

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

CERTIFIED CORRECT PLANS

Approved by *[Signature]*
 Penna. P.C.B. 13 UTILITY COMPANY
 Attest: *[Signature]*
 Secretary

MAY 2 1982



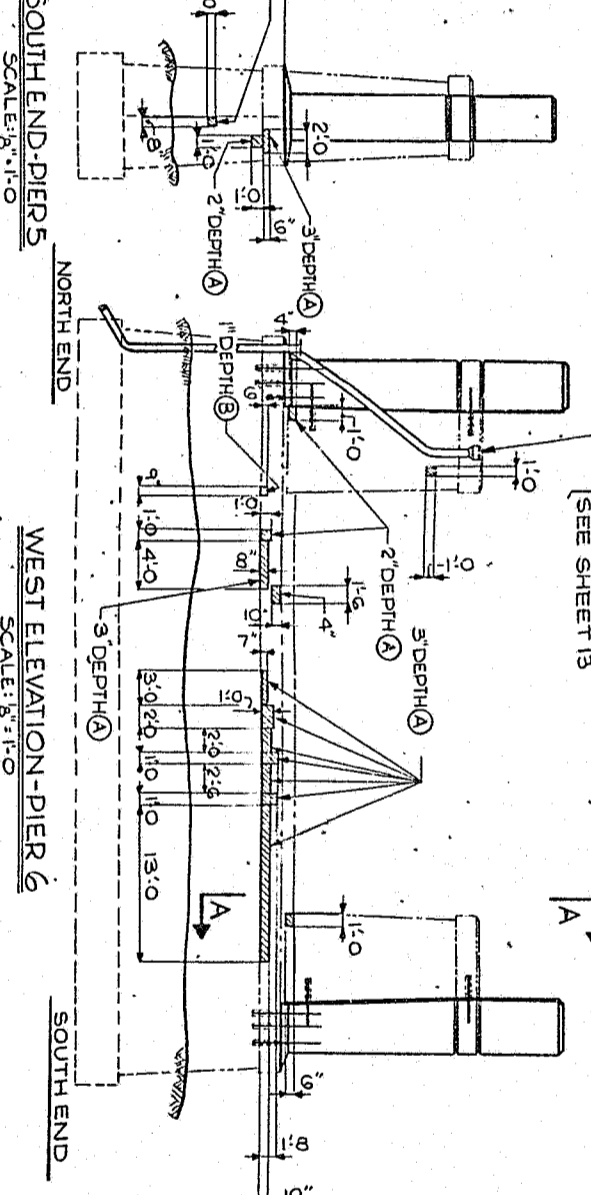
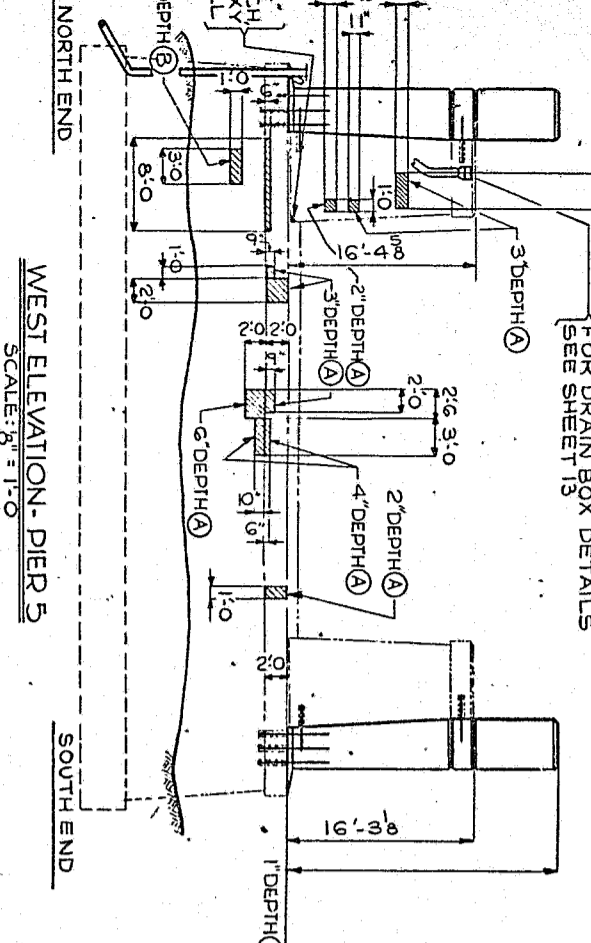
APPROX. EXIST. GROUND LINE
EAST ELEVATION - PIER 5
SCALE: 8"=1'-0"

APPROX. EXIST. GROUND LINE
NORTH END - PIER 5
SCALE: 8"=1'-0"

APPROX. EXIST. GROUND LINE
EAST ELEVATION - PIER 6
SCALE: 8"=1'-0"

APPROX. EXIST. GROUND LINE
NORTH END - PIER 6
SCALE: 8"=1'-0"

APPROX. EXIST. GROUND LINE
SOUTH END - PIER 6
SCALE: 8"=1'-0"



NEW DRAINAGE SYSTEM FOR DRAIN BOX DETAILS.
SEE SHEET 13
WEST ELEVATION - PIER 5
SCALE: 8"=1'-0"

NEW DRAINAGE SYSTEM FOR DRAIN BOX DETAILS.
SEE SHEET 13
SOUTH END - PIER 5
SCALE: 8"=1'-0"

NEW DRAINAGE SYSTEM FOR DRAIN BOX DETAILS.
SEE SHEET 13
WEST ELEVATION - PIER 6
SCALE: 8"=1'-0"

LEGEND

- DENOTES OUTLINE OF EXISTING PIER
- DENOTES NEW MATERIALS
- DENOTES AREAS TO BE REPAIRED
- DENOTES SPALLED AREA W/ EXPOSED REBAR
- DENOTES REPAIR PROCEDURE (A), (B), OR (C) AS DESIGNATED. FOR REPAIR PROCEDURES, SEE SHEET 12

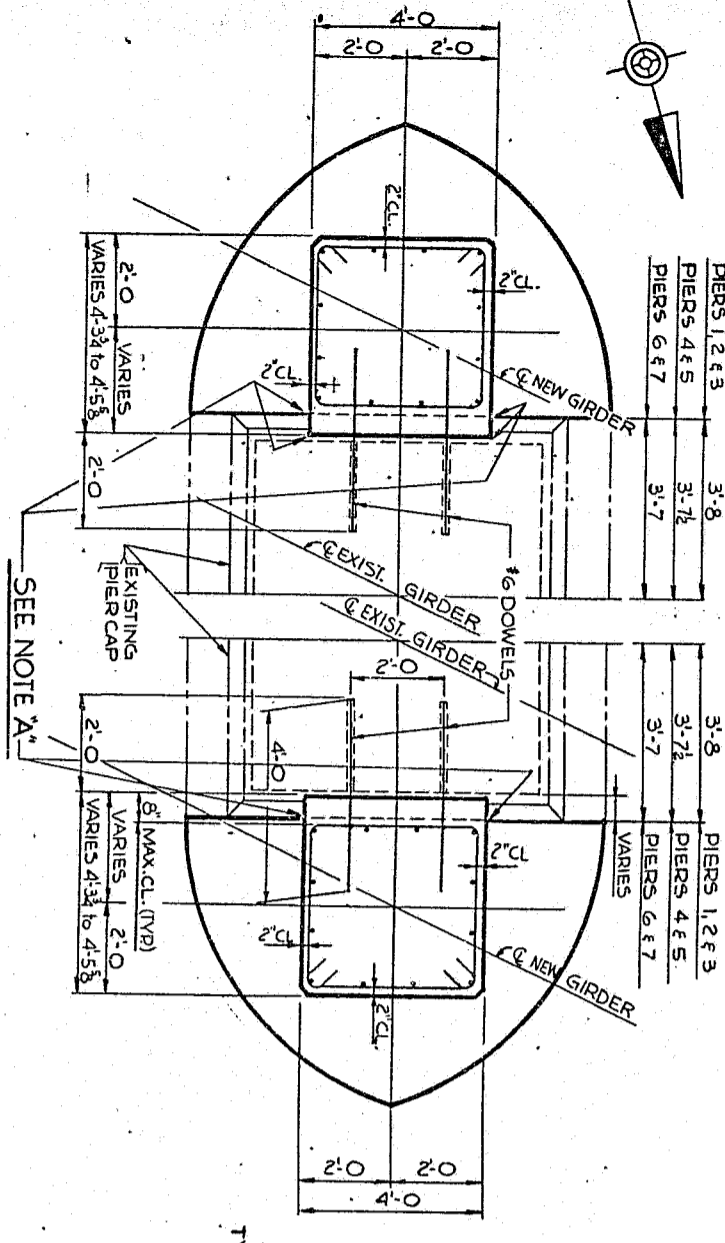
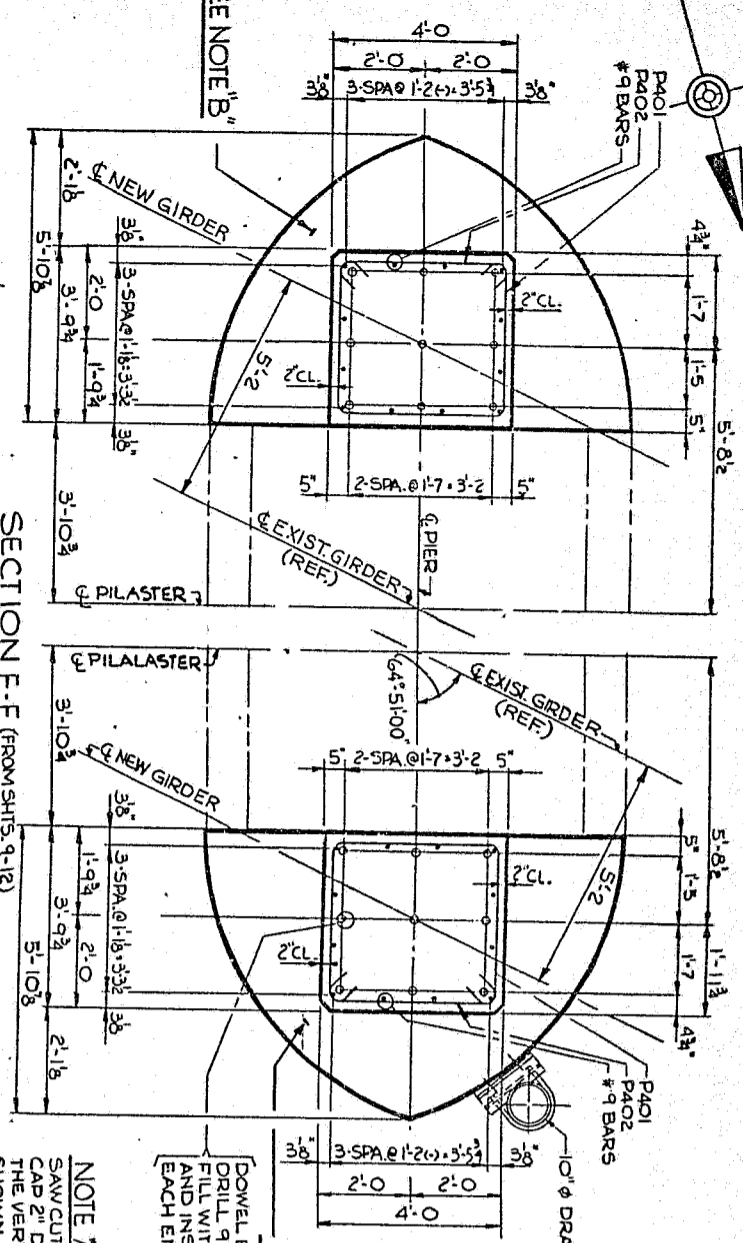
Mark	Description	By	Chk'd.	App'd.	Date
	REVISIONS				

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

ALLEGHENY COUNTY
 L.R. 736 EXT. STA. 45+146.00
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL DECK GIRDER BRIDGE
 PIERS 5 AND 6, REPAIRS

APPROVED _____
 BRIDGE ENGINEER

SHEET 11 OF 29
 S-14185



NOTE A
SAW CUT EXISTING PILASTER CAP 2" DEPTH ALONG THE VERTICAL FACE AS SHOWN, AND WITHIN THE DESIGNATED LIMITS. REMOVE THE EXISTING CONCRETE FROM BETWEEN THE SAW CUT LINES.

NOTE B
DOWEL BARS - #4 DOWELS x 6'-0" LGS. DRILL 9'-2 1/2" HOLES x 2'-6" DEPTH, FILL WITH NON-SHRINK GROUT AND INSERT DOWEL BARS, EACH END OF PIER.

SEE NOTE "B"

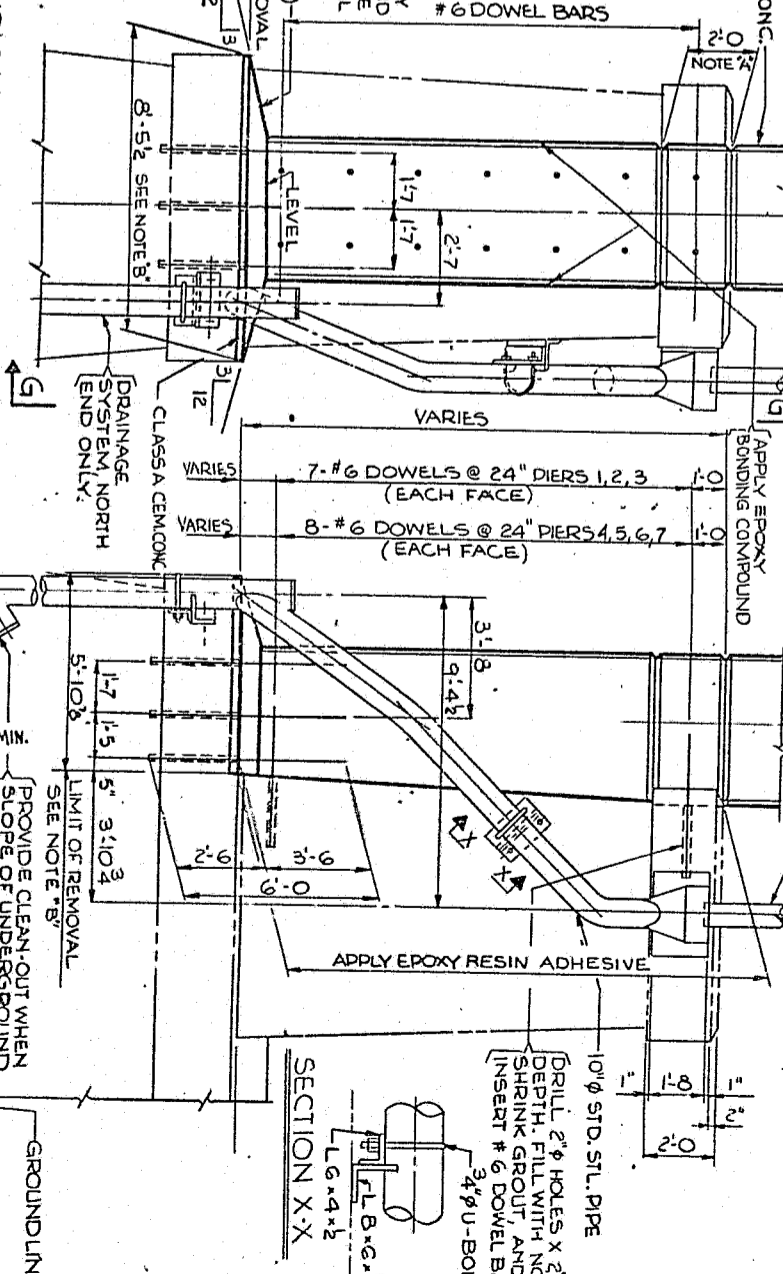
NOTE "B"
REMOVE EXISTING CONCRETE FROM THE PIER BASE CAP WITHIN THE LIMITS SHOWN, DRILL 9'-2 1/2" HOLES x 2'-6" DEPTH, APPLY EPOXY BONDING COMPOUND TO SURFACES WHERE NEW CONCRETE WILL BE PLACED, AND CONSTRUCT A PAD AS SHOWN (NEW PAD).

CLASS A CEM. CONC.

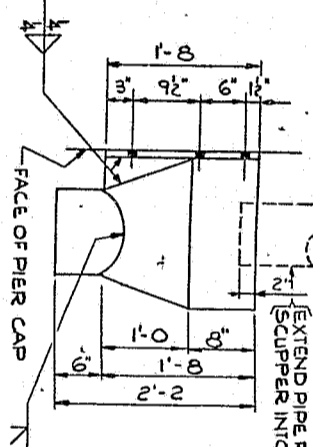
TYPICAL LAYOUT FOR PIERS 2, 4, 6
FIXED BRGS. II F MARK RIGID

TYPICAL LAYOUT FOR PIERS 1, 3, 5, 7
EXP BRGS. III F MARK RIGID

TYPICAL END OF PIERS
(EXCEPT AS NOTED)
SCALE: 3/8" = 1'-0"



PLAN - DRAIN BOX
SCALE: 1/2" = 1'-0"



NOTES

- SPALLED AREAS ON THE EXISTING PIERS IN THE AREAS WHERE NEW CONCRETE IS TO BE PLACED, SHALL BE TREATED BY REMOVING ALL UNSOUND CONCRETE - THOROUGHLY CLEANING THE AREA(S) OF REMOVAL, AND APPLYING EPOXY BONDING COMPOUND.
- FOR PIERS 1 AND 2, SEE SHEET 9
- FOR PIERS 3 AND 4, SEE SHEET 10
- FOR PIERS 5 AND 6, SEE SHEET 11
- FOR PIER 7 AND CONCRETE REPAIR PROCEDURES, SEE SHEET 12
- FOR EAST ABUTMENT, SEE SHEETS 4 & 5
- FOR WEST ABUTMENT, SEE SHEETS 6 & 7
- FOR REINFORCEMENT BAR SCHEDULE, SEE SHEETS 27 & 28
- FOR FRAMING PLAN, SEE SHEETS 15 & 16
- FOR BEARING DETAILS, SEE BC 355 A
- REMOVE EXIST. CONCRETE FROM THE EXIST. PIER CAP UNDER ITEM 1018-0050 REMOVE PORTION OF EXIST. BRIDGE.

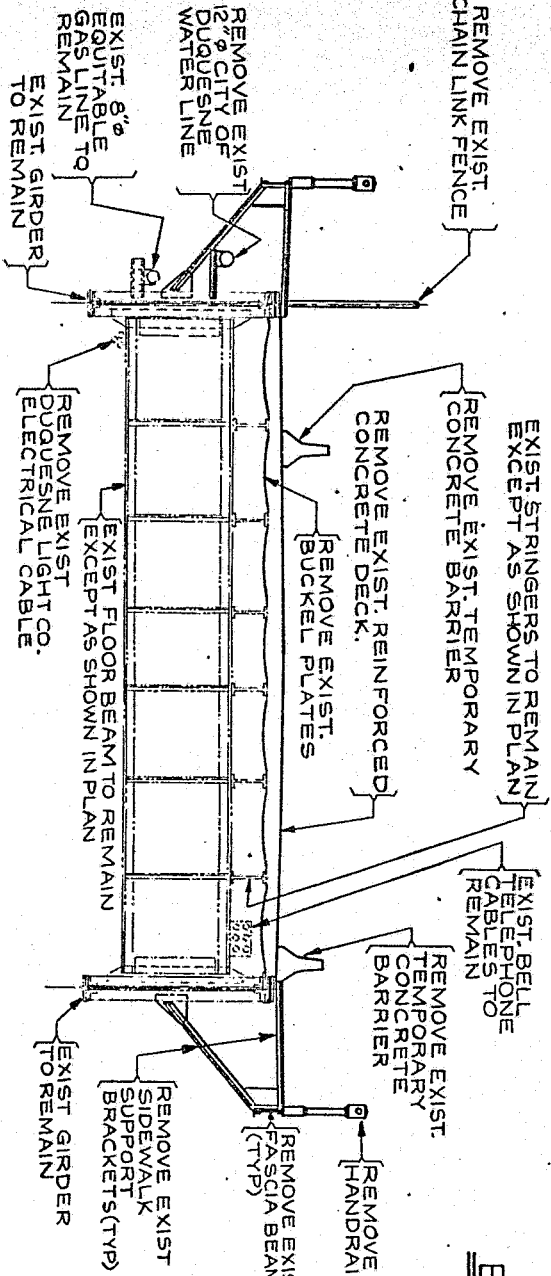
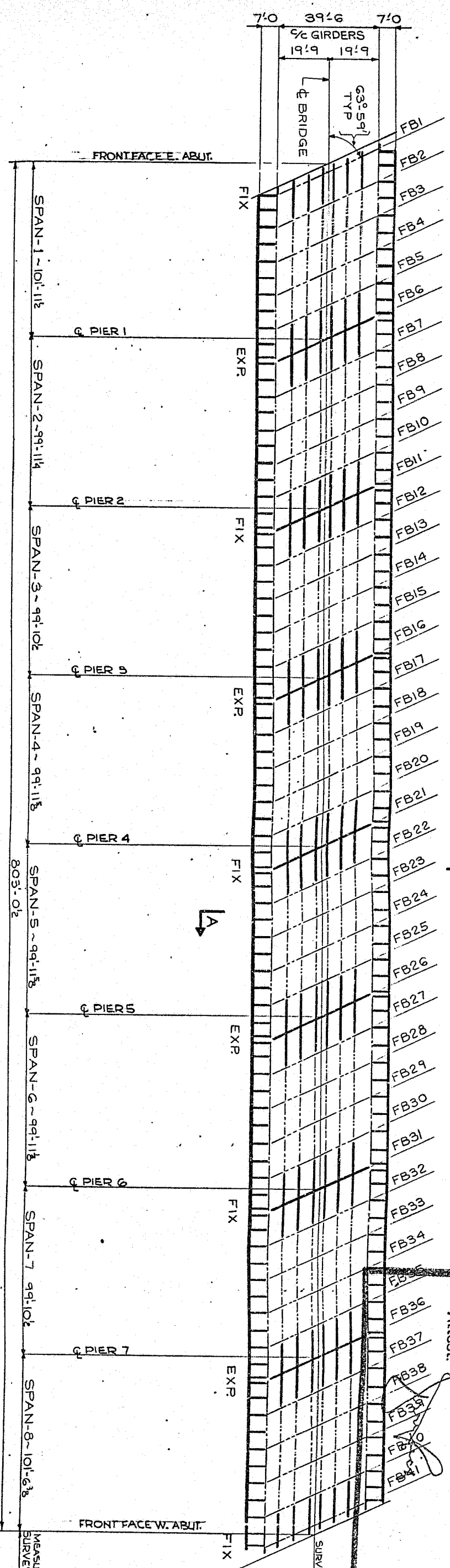
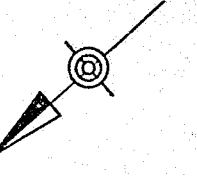
CERTIFIED CORRECT PLANS

Attest: Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN
MAY 2 1982
ALLESHENY COUNTY
L.R. 736 EXT. SEC. 39
Secretary

OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
PIER DETAILS

APPROVED: _____
BRIDGE ENGINEER

SHEET 13 OF 29



SECTION A-A

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

EXISTING FRAMING PLAN

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 20'

- NOTES**
- REMOVE ENTIRE BRIDGE DECK INCLUDING EXISTING SIDEWALK BRACKETS, DESIGNATED FLOOR BEAMS, AND STRINGERS, GIRDER EXTENSIONS, BUCKEL PLATES, BUCKLE PLATE SUPPORT CHANNELS, HANDRAIL AND CHAIN LINK FENCE.
 - REMOVE EXISTING LIGHTING SYSTEM, INCLUDING LIGHT POLES, LUMINAIRES, CONDUITS AND WIRES. (PAID UNDER ITEM 1600-1600, REMOVE EXISTING LIGHTING SYSTEM)
 - REMOVE EXISTING 12" CITY OF DUQUESNE WATER LINE (PAID UNDER ITEM 2000-0008, REPLACE EXISTING WATERLINE.)
 - FOR GENERAL PLAN AND ELEVATION, SEE SHEET 1
 - FOR GENERAL NOTES, SEE SHEET 2
 - FOR NEW FRAMING PLAN, SEE SHEETS 15 & 16
 - DENOTES MATERIALS TO REMAIN

CERTIFIED CORRECT PLANS

Approved by
W. W. Hoff
Engineer

Bureau of Rail Transportation
PENNA. PUBLIC UTILITY CO. COMMISSION

Attest:
[Signature]
Secretary

MAY 7 1982

Mark	Description	By	Chk'd.	App'd.	Date
REVISIONS					

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. STA. 45+46.00
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
EXISTING FRAMING PLAN

APPROVED _____
BRIDGE ENGINEER

SHEET 14 OF 29
S-14185

MARK	RECOMMENDED FIELD REPAIRS	DETAIL SHEET
1	REPAIR DESCRIPTION	
1	REMOVE SPECIFIED LENGTH OF MAIN GIRDER STIFF ANGLE. REPLACE WITH NEW ANGLE.	17
2	REMOVE SPECIFIED LENGTH OF DESIGNATED BEARING STIFF ANGLE. REPLACE WITH NEW ANGLE.	17
3	REPLACE STIFF ANGLE	17
4	REMOVE SPECIFIED LENGTH OF DESIGNATED BEARING STIFF ANGLE. REPLACE WITH NEW ANGLE	17
5	REPLACE SOLE PLATE ATTACHING BOLTS (4 REQ'D)	SECT 5-5 22
6	REPLACE FLOOR BEAM	20
7	REPLACE BRACKET	17 AND 19
8	REPAIR FLOOR BEAM	18

- NOTES**
- FOR RIVET REPLACEMENTS, SEE "TABLE OF GIRDER RIVET REPLACEMENTS," SHT. 17
 - FOR EXISTING FRAMING PLAN, SEE SHT. 14
 - FOR NEW GIRDER ELEVATION AND DETAILS, SEE SHT. 21
 - FOR DECK SECTION SEE SHEET 3
 - FOR ROADWAY DRAINAGE DETAILS SEE SHT. 26

- LEGEND**
- DENOTES NEW MEMBER
 - DENOTES EXISTING MEMBER
 - ⊕ MARK
 - LENGTH OF REPAIR
 - ⊕ GIRDER DESIGNATION

CERTIFIED CORRECT PLANS

Approved by *W. W. Hurlburt*
 Engineer

Attest: *[Signature]*
 Secretary

Approved by *[Signature]*
 Bureau of Rail Transportation

REVISIONS

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION

BUREAU OF DESIGN

SECRETARY

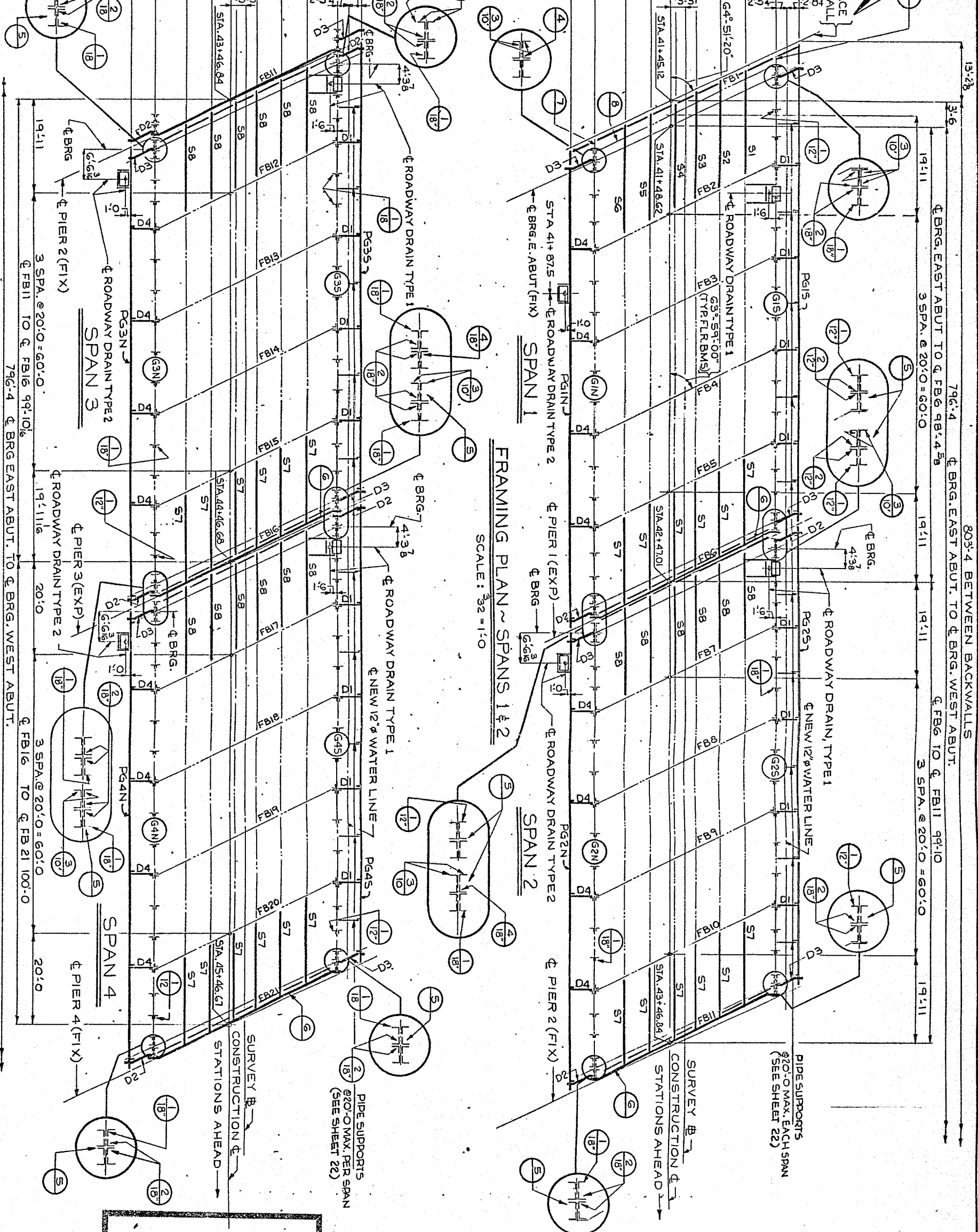
APPROVED: *[Signature]*
 L.R. 736 EXT. SEC. 39

LR 736 EXT. STA. 45+46.00
 OVER UNION R.R. & THOMPSON RUN
 8-SPAN STEEL DECK GIRDER BRIDGE
 FRAMING PLAN-SPANS 1 THRU 4

APPROVED _____
 BRIDGE ENGINEER

SHEET 15 OF 29

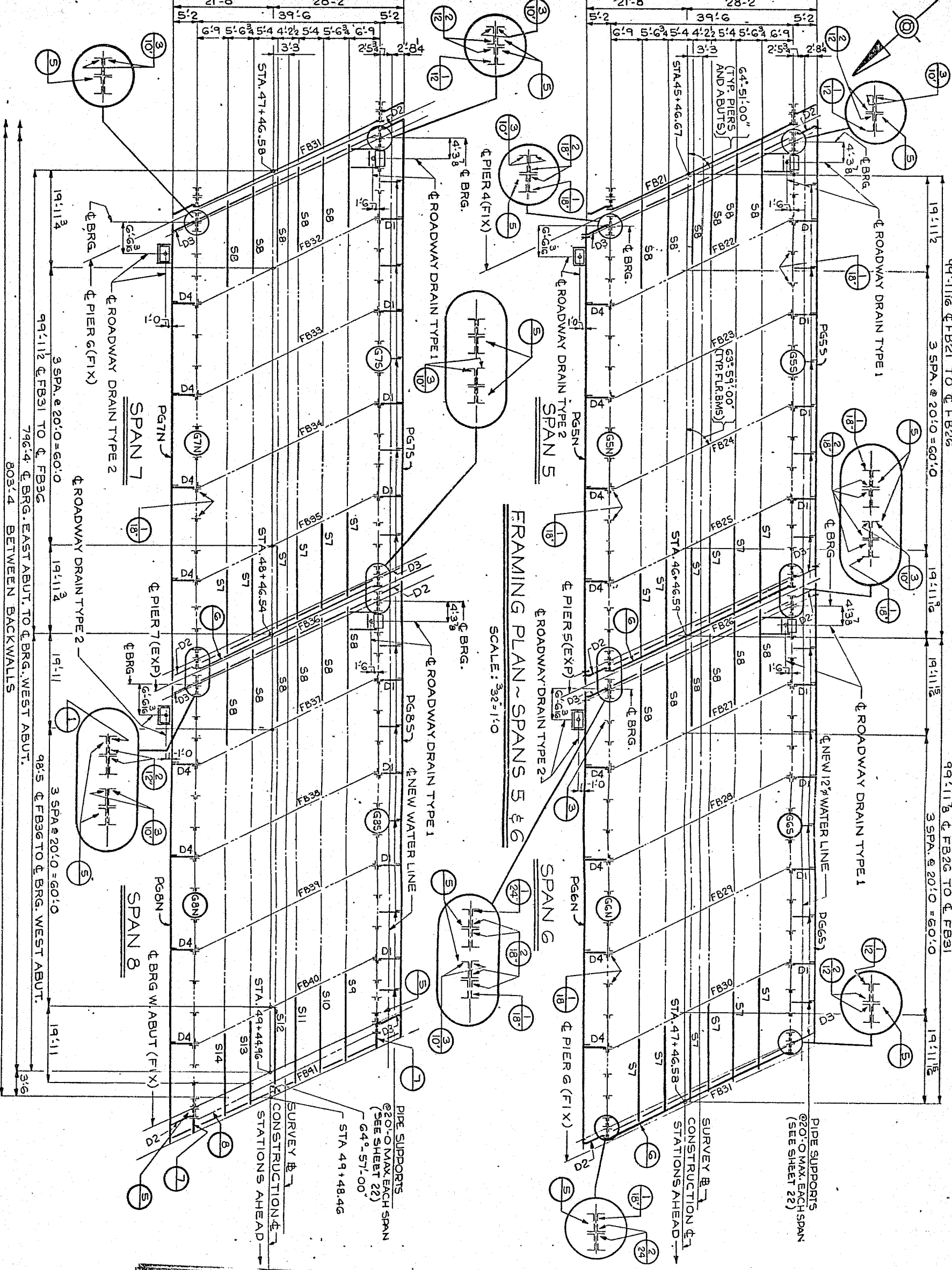
S-14185



FRAMING PLAN ~ SPANS 1 & 2
 SCALE: 3/32 = 1:0

FRAMING PLAN ~ SPANS 3 & 4
 SCALE: 3/32 = 1:0

SCALE: 3/32 = 1:0



MARK	RECOMMENDED FIELD REPAIRS	REPAIR DESCRIPTION	DETAIL SHEET
1	REMOVE SPECIFIED LENGTH OF MAIN GIRDER STIFF ANGLE. REPLACE WITH NEW ANGLE.	1	17
2	REMOVE SPECIFIED LENGTH OF DESIGNATED BEARING STIFF ANGLE. REPLACE WITH NEW ANGLE.	2	17
3	REPLACE STIFF ANGLE	3	17
4	REMOVE SPECIFIED LENGTH OF DESIGNATED BEARING STIFF ANGLE. REPLACE WITH NEW ANGLE.	4	17
5	REPLACE SOLE PLATE ATTACHING BOLTS (4 REQ'D)	5-5	22
6	REPLACE FLOOR BEAM	—	20
7	REPLACE GIRDER EXTENSION	3	17 AND 18
8	REPAIR FLOOR BEAM	—	19

- NOTES**
- FOR RIVET REPLACEMENTS, SEE "TABLE OF GIRDER RIVET REPLACEMENTS", SHT. 17
 - FOR EXISTING FRAMING PLAN, SEE SHT. 14
 - FOR NEW GIRDER ELEVATION AND DETAILS, SEE SHT. 21
 - FOR DECK SECTION SEE SHT. 3
 - FOR ROADWAY DRAINAGE DETAILS, SEE SHEET 26

- LEGEND**
- DENOTES NEW MEMBERS
 - DENOTES EXISTING MEMBERS
 - MARK
 - LENGTH OF REPAIR

APPROVED
 CORRECTED PLANS

Approved by
 PENNA. PUBLIC UTILITY COMMISSION

Attest
 Bureau of Public Transportation

Work	Description	By	Chk'd.	App'd.	Date
	REVISIONS				

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

ALLEGHENY COUNTY
 LR 736 EXT. SEC. 39

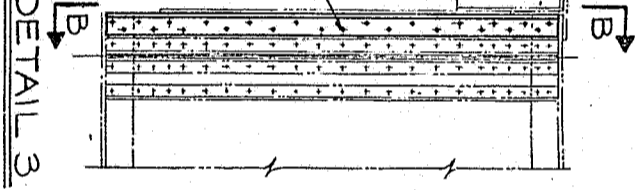
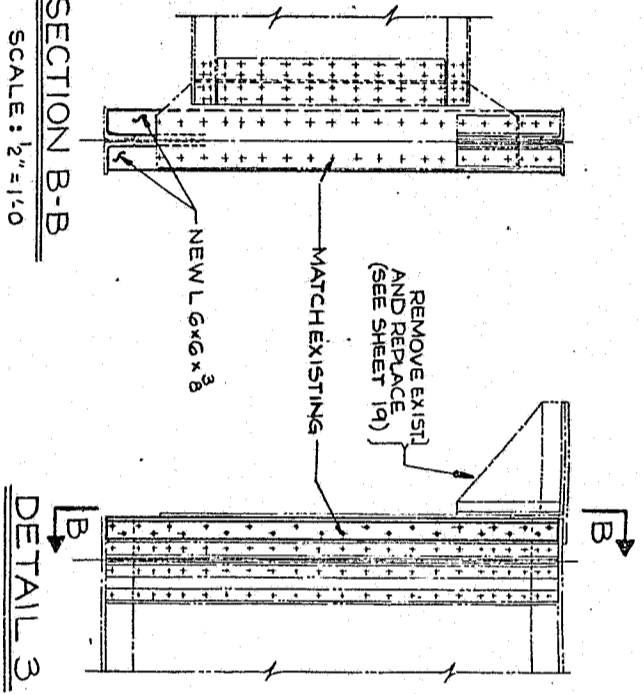
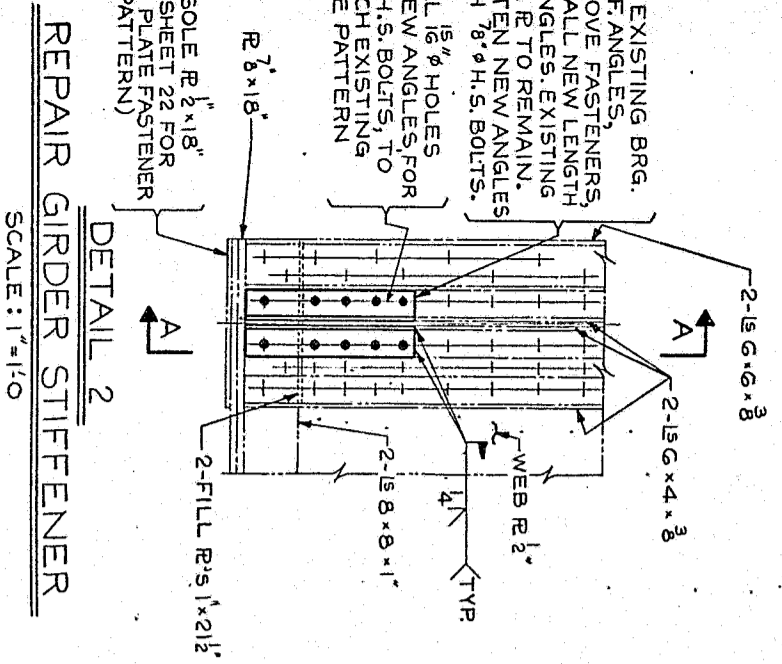
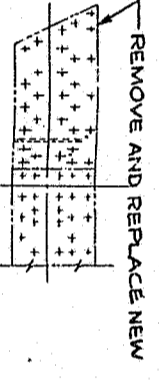
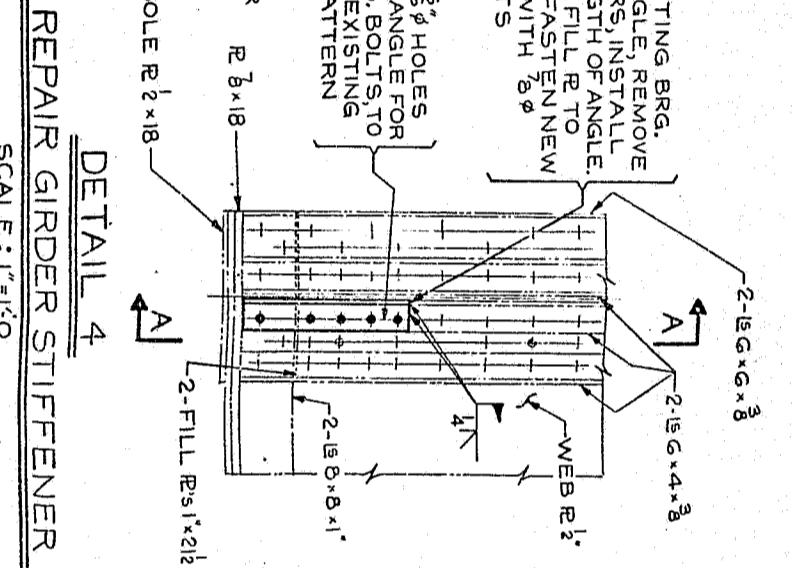
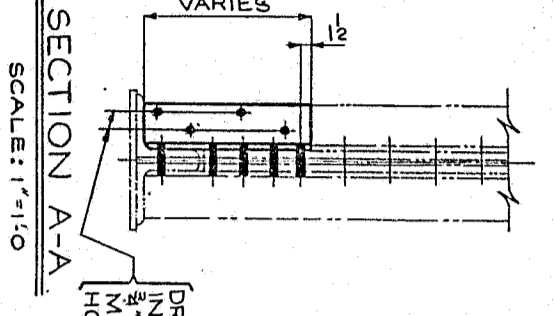
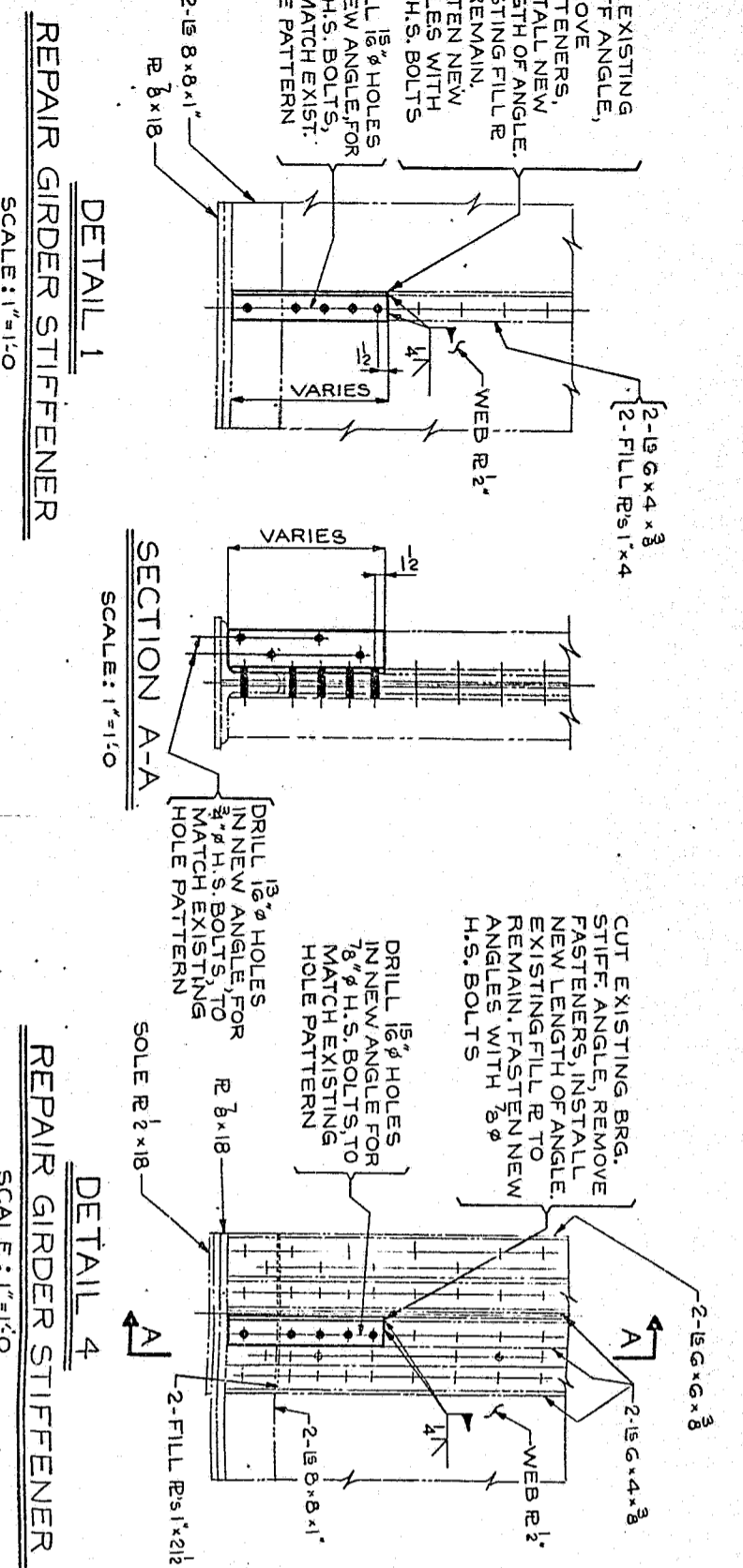
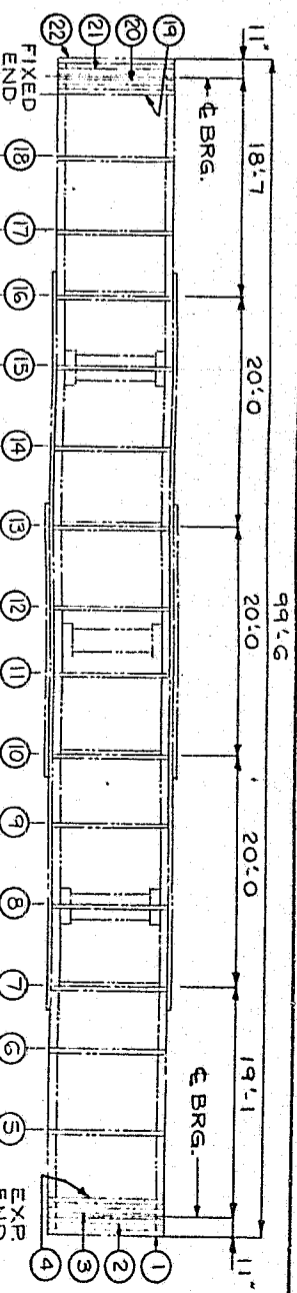
LR 736 EXT. STA. 45+46.00
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL DECK GIRDER BRIDGE
 FRAMING PLAN-SPANS 5 THRU 8

APPROVED _____
 BRIDGE ENGINEER

SHEET 16 OF 29
 S-14185

TABLE OF GIRDER RIVET REPLACEMENTS *

GIRDER MARK	GIRDER PANELS																		TOTAL
	21C/5B	24D/48B	GB	1B	2B	3B	3B	2B	12B	7D	7D	5B	7B	2B	8B	11B	12B	9B	
GIS	27C/5B	24D/48B	GB	1B	2B	3B	3B	2B	12B	7D	7D	5B	7B	2B	8B	11B	12B	9B	133
GIN	3C/5B																		133
G12S	7A/8C/1B	12B	4B	4B	4B	7D	7D												57
G2N	3A/2C/5B	5D/11B	14D/7B	4B	4B	7D	7D												70
G3S	2A/8C/6B	18B	6B	3B	3B	9B	8B												113
G3N	1A/20B	24B	2B	15B	8B	10B	5B												145
G4S	12A/12B	13B	2B	11B	5B	10B	5B												160
G4N	4A/14B	2B	11B	5B	10B	5B	7B												229
G5S	4A/11B	16B	3B	5B	2B	2B	24D/21B	1B											123
G5N	2B	10B	4B	2B	2B	7B													123
G6S	8A/19B	5B	4B	20B	4B	7B													57
G6N	1C/13B	3B	4B	20B	4B	15D/17B	12D/17B	5B	4B	1B									57
G7S	12B	3B	4B	8B															209
G7N	5B	9B	7B	8B															31
G8S	4A	2A																	41
G8N																			21
TOTALS	21B	204	81	56	53	107	57	11	34	36	90	50	41	51	61	252	264	1666	



NOTE
FOR FRAMING PLAN, SEE SHEETS 15 & 16

LEGEND
A = TOP FLANGE
B = BOTTOM FLANGE
C = STIFFENER
D = BOTTOM FLANGE ANGLE, VERTICAL LEG

* QUANTITIES ARE APPROXIMATE

CERTIFIED CORRECT PLANS

Approved by *W. W. Huffy* Engineer

Attest: *[Signature]* Secretary

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
GIRDER REPAIRS

REVISIONS

Mark	Description	By	Chk'd	App'd	Date

MAY 2 1982

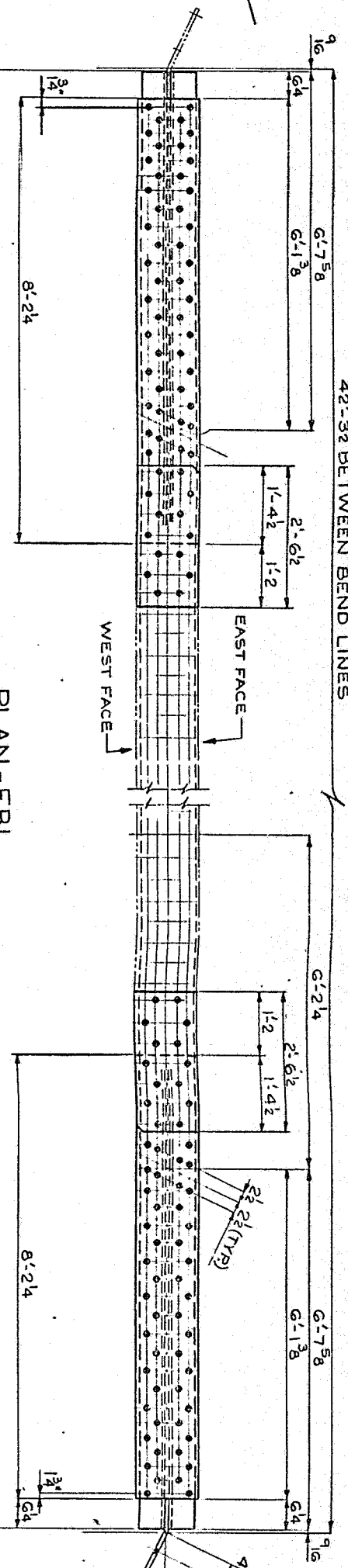
APPROVED _____

BRIDGE ENGINEER

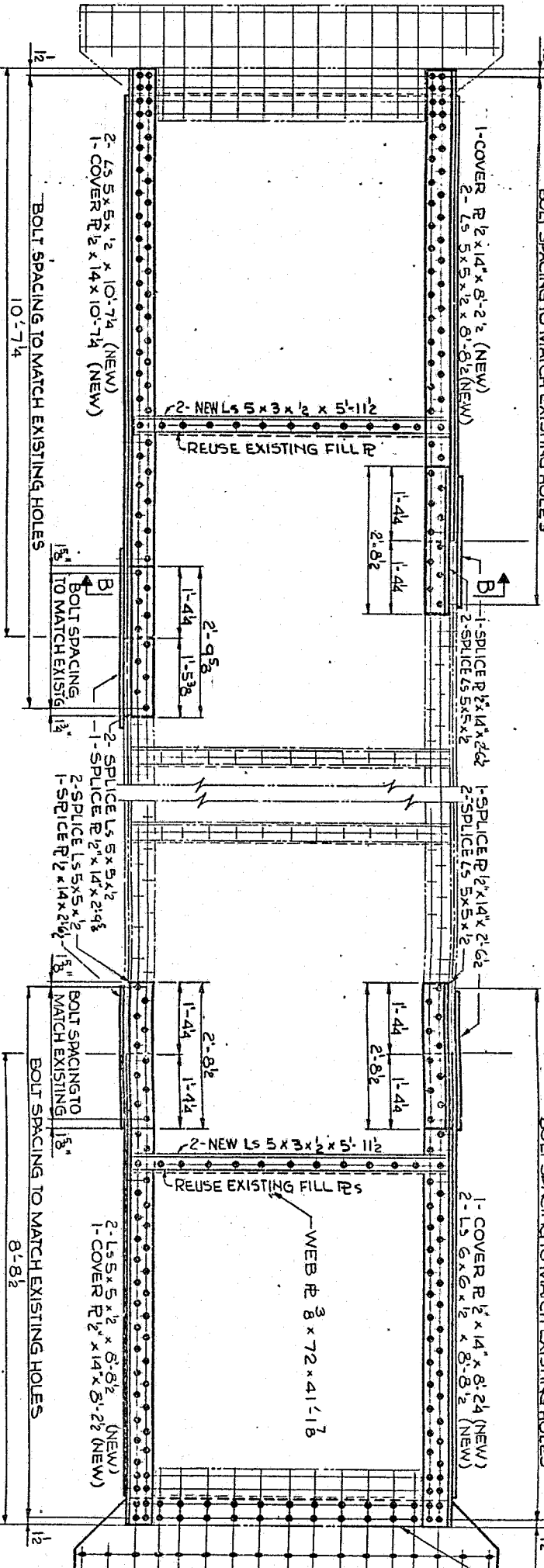
SHEET 17 OF 29

S-14185

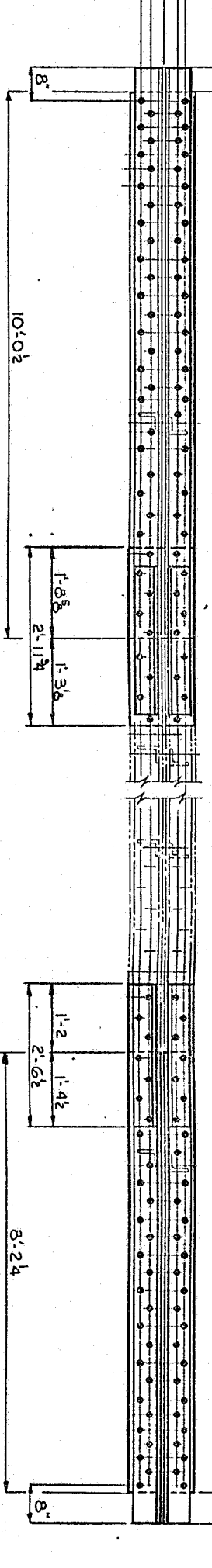
42'-3 1/2" BETWEEN BEND LINES



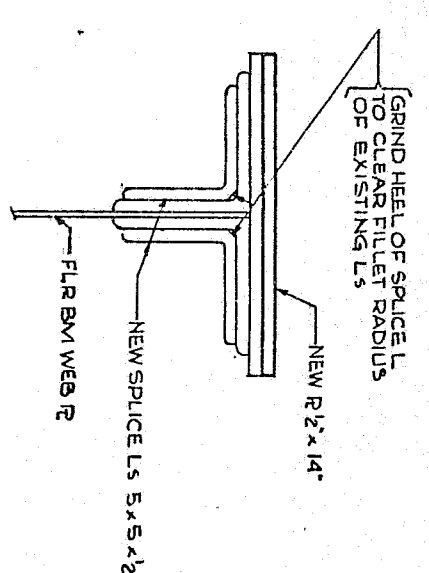
PLAN - FBI
SCALE: 3/4" = 1'-0"



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



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



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

CERTIFIED CORRECT PLANS

Approved by
W. W. Hough
Engineer

Attest:
[Signature]
Secretary

Bureau of Rail Transportation
PENNA. PUBLIC UTILITY COMMISSION

MAY 2 1992

NOTE
FOR FRAMING PLAN SEE SHEETS 15 & 16

Mark	Description	By	Chk'd.	App'd.	Date
REVISIONS					

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
FLOOR BEAM REPAIRS-FBI

APPROVED _____
BRIDGE ENGINEER

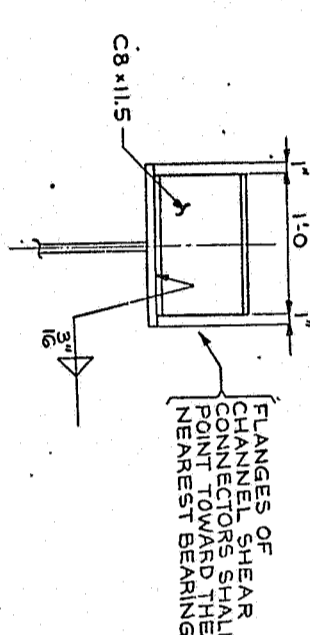
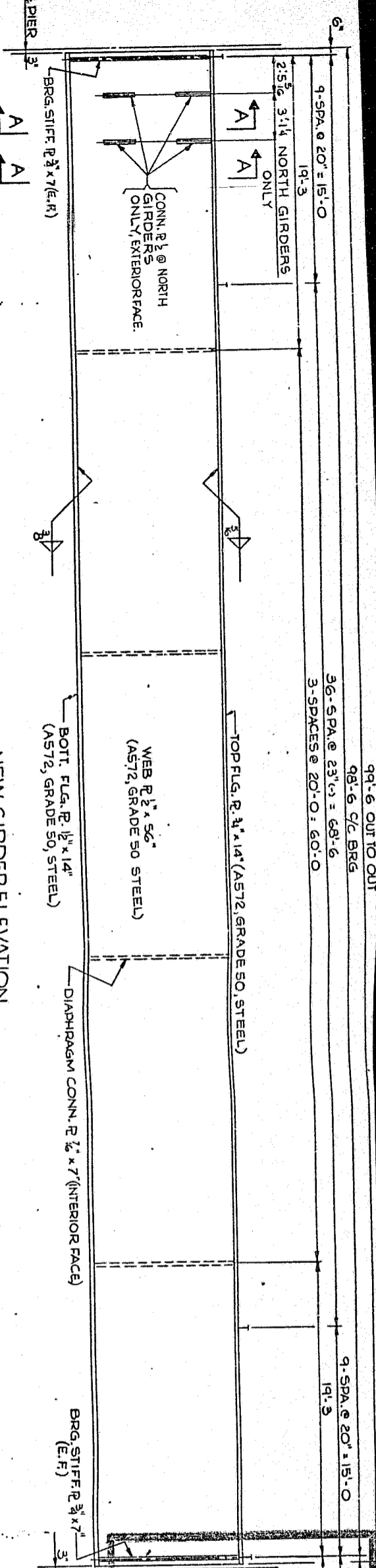
SHEET 18 OF 29
S-14185

CERTIFIED CORRECT PLANS

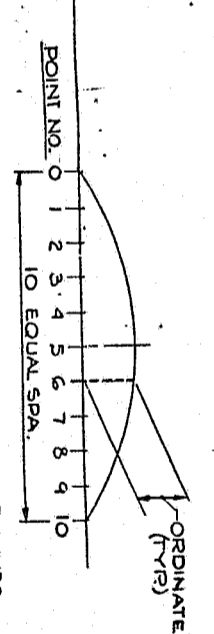
Bureau of Rail Transportation
W. C. ...
 Engineer

APPROVALS:
 PENN. ENGINEERS SHALL BE AT ALL TIMES DESIGNATION A325
 HIGH STRENGTH BOLTS SHALL CONFORM TO PENNDOT
 SPECIFICATION 25
 ALL DIMENSIONS SHOWN ON THE PLAN ARE HORIZONTAL
 AND UNLESS GIVEN AT 60° F.
 TACK WELDS SHALL BE REMOVED AND THE FINAL WELD
 UNLESS INCORPORATED IN THE DETAILS SHALL BE
 WELDED PROCESSES AND DETAILS SHALL BE
 SUBMITTED FOR APPROVAL WITH THE SHOP DRAWINGS.
 GIRDERS SHALL BE CAMBERED AS SHOWN AFTER
 ERECTION THE CAMBER SHALL BE CHECKED BY THE
 CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR
 TO ERECTING DECK FORMS. FORMS SHALL BE BUILT
 TO COMPENSATE FOR APPROVED IRREGULARITIES
 IN GRADE AND CROSS SECTION OF DECK SLAB. THE
 DISTANCE FROM THE BOTTOM OF DECK SLAB TO TOP
 OF GIRDERS AND STRINGERS SUCH THAT THE
 FINISHED GRADE AND CROSS-SLOPE WILL CONFORM
 TO THESE CONTRACT DRAWINGS.

- FOR ADDITIONAL STRUCTURAL STEEL REQUIREMENTS SEE THE GENERAL NOTES, SHEET 2, THE SPECIAL PROVISIONS, AND PENNDOT STANDARD DWG. BC-353.
- FOR FRAMING PLAN SEE SHEETS 15 & 16
- GIRDER WEB & FLANGES SHALL BE ASTM DESIGNATION A572, GRADE 50 AS NOTED
- ALL OTHER STEEL SHALL BE A36.



ALTERNATE SHEAR CONNECTOR DETAIL
 SCALE: 1/2" = 1'-0"

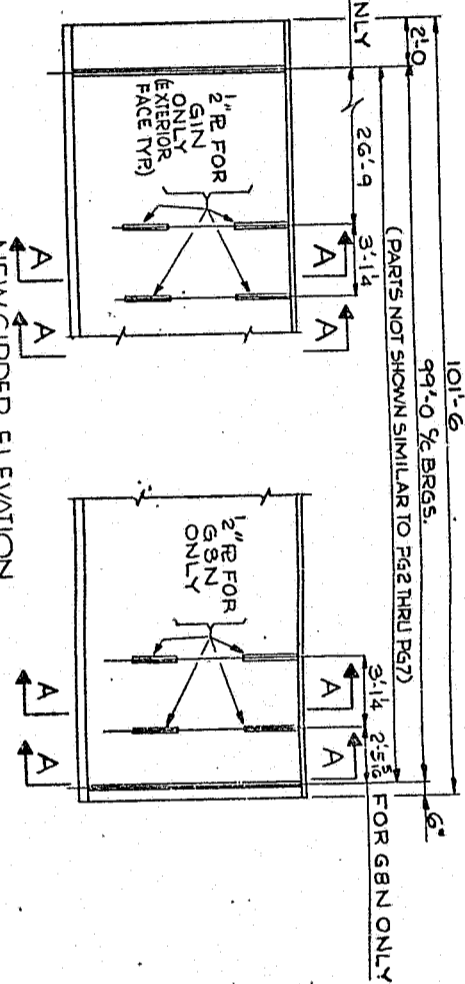


LOCATION OF CAMBER POINTS

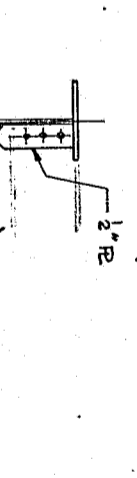
CAMBER ORDINATES, Y INCHES

MEMBER	1	2	3	4	5	6	7	8	9	0/10
NEW GIRDER	.165	.311	.426	.500	.594	.500	.426	.311	.165	0.0
NEW FLR. BM.										
NEW GIRDER	.860	1.627	2.227	2.609	2.739	2.609	2.227	1.627	.860	0.0
NEW FLR. BM.										
NEW GIRDER	.046	.081	.119	.139	.146	.139	.119	.081	.046	0.0
NEW FLR. BM.										
NEW GIRDER	1.07	2.03	2.71	3.25	3.41	3.25	2.71	2.03	1.07	0.0
NEW FLR. BM.										

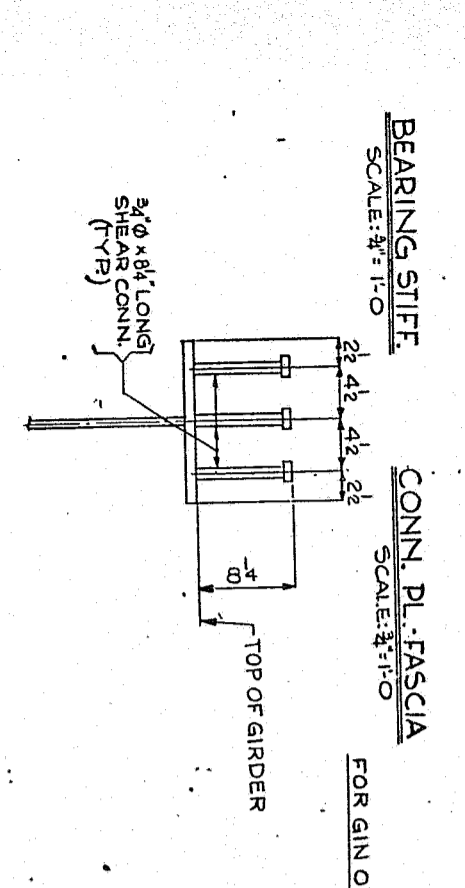
NOTE:
 N/A DENOTES NOT APPLICABLE
 NEW FLOOR BEAM DOES NOT NEED TO BE CAMBERED.



NEW GIRDER ELEVATION
 (GIRDERS PG. 15 & 16 - PG. 15 OPP. HAND)
 SCALE: 1/4" = 1'-0" VERT.
 1/4" = 1'-0" HORIZ.



SECTION A-A (SCUPPER SUPPORT)
 (FOR ALL NORTH GIRDERS)
 SCALE: 3/4" = 1'-0"



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

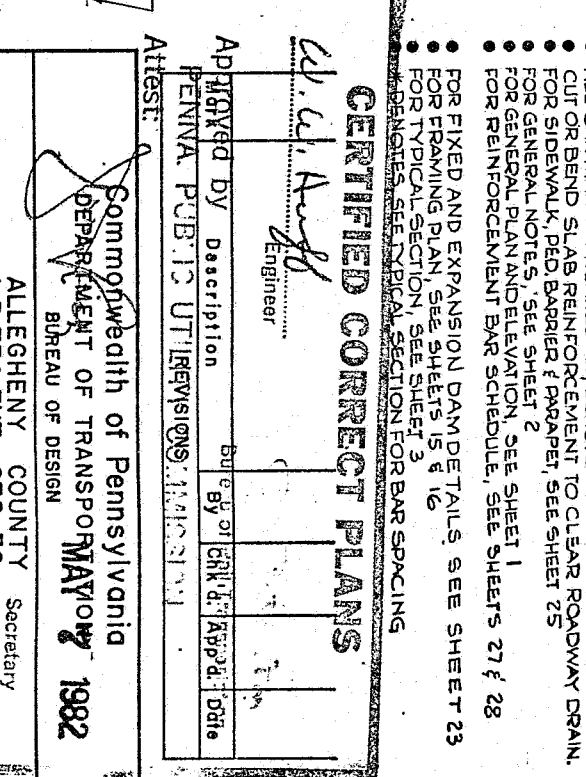
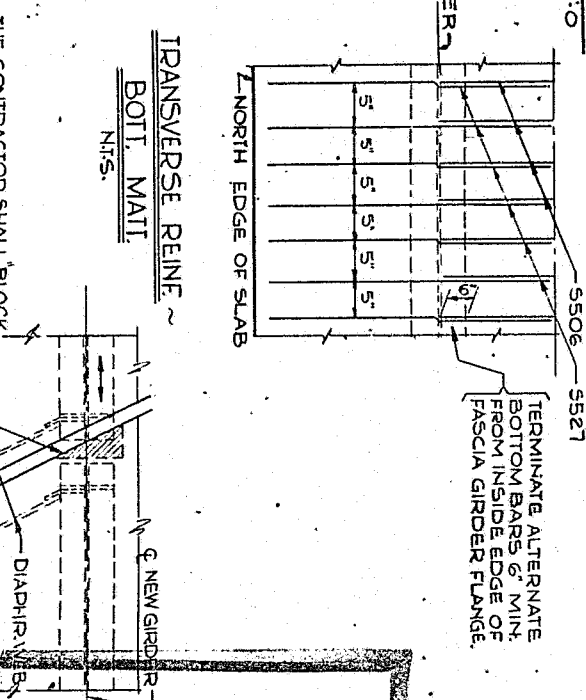
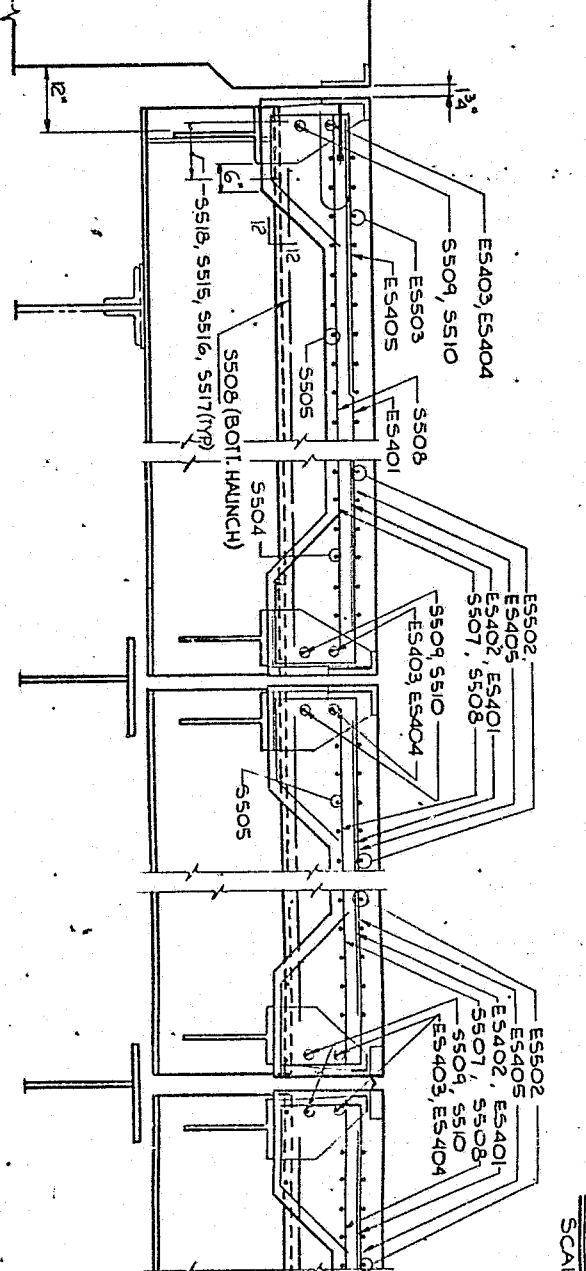
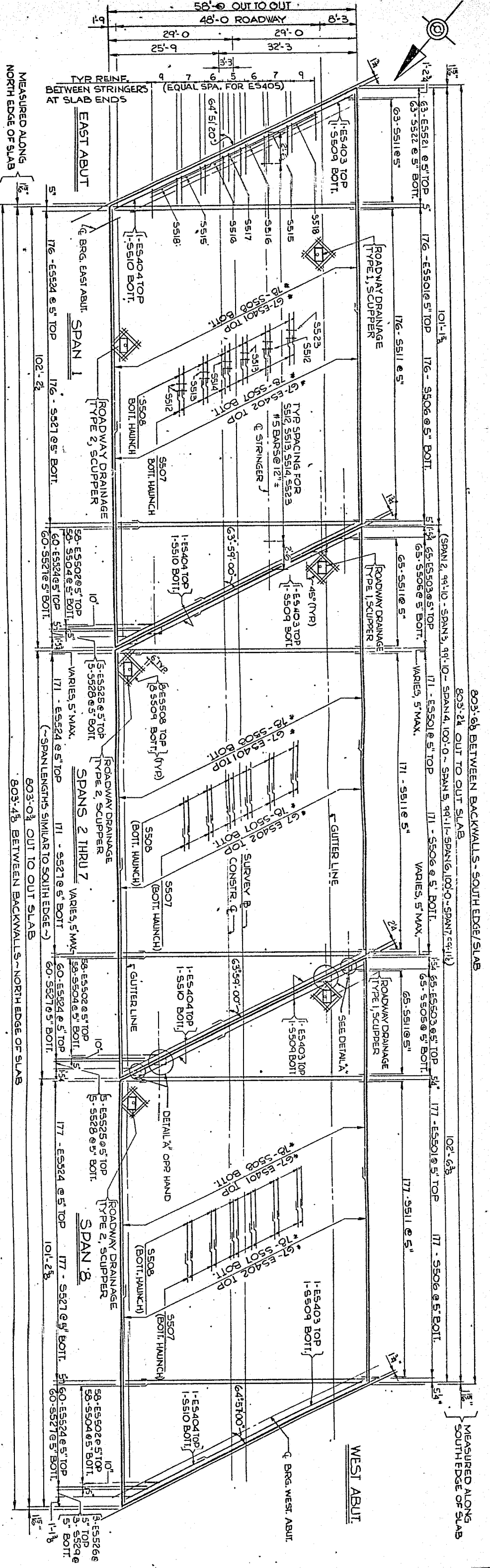
Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

ALLEGHENY COUNTY
 L.R. 736 EXT. SEC. 39

L.R. 736 EXT. STA. 45+46.00
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL DECK GIRDER BRIDGE
 NEW GIRDERS

APPROVED _____
 BRIDGE ENGINEER

SHEET 21 OF 29
S-14185



- NOTES:**
- ALL BAR MARKS PREFIXED 'E' DENOTE EPOXY COATED BAR.
 - CUT OR BEND SLAB REINFORCEMENT TO CLEAR ROADWAY DRAIN.
 - FOR SIDEWALK, PED. BARRIER & PARAPET, SEE SHEET 25
 - FOR GENERAL NOTES, SEE SHEET 2
 - FOR GENERAL PLAN AND ELEVATION, SEE SHEET 1
 - FOR REINFORCEMENT BAR SCHEDULE, SEE SHEETS 27 & 28
 - FOR FIXED AND EXPANSION DAM DETAILS, SEE SHEET 23
 - FOR FRAMING PLAN, SEE SHEETS 15 & 16
 - FOR TYPICAL SECTION, SEE SHEET 3
 - * DENOTES SEE TYPICAL SECTION FOR BAR SPACING

CERTIFIED CORRECT PLANS

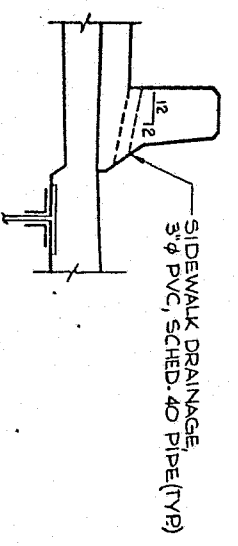
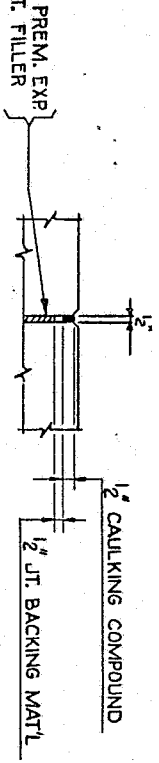
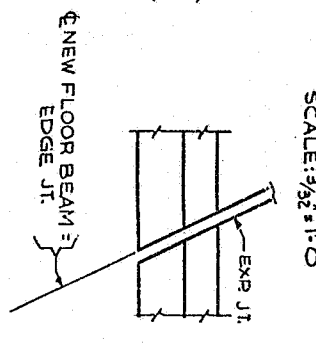
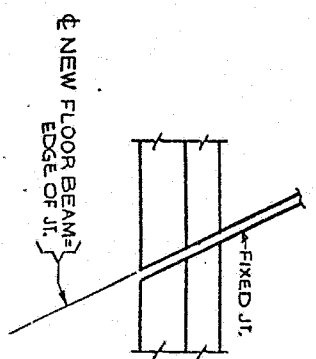
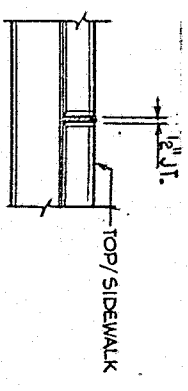
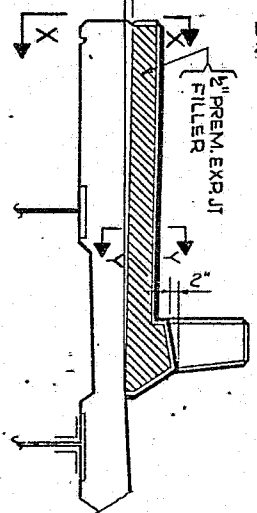
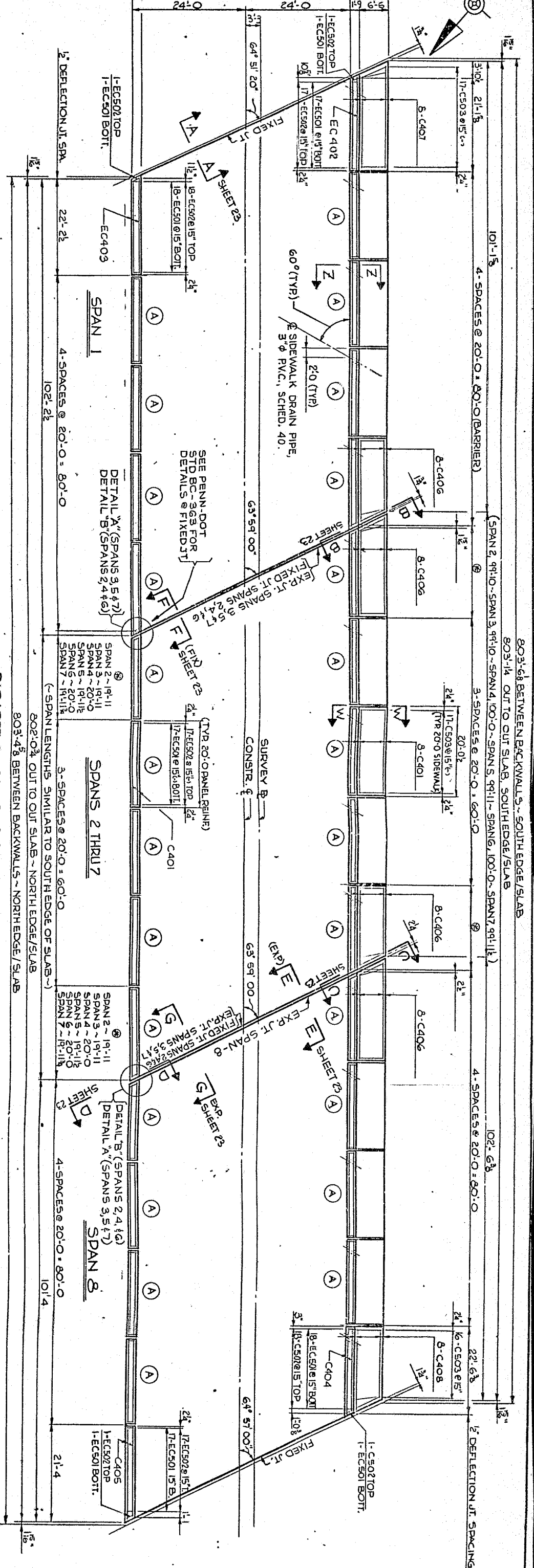
Approved by *[Signature]*
 PENNA. PUBLIC UTILITIES REGULATORY COMMISSION
 Bureau of Design

Attest: *[Signature]*
 Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

APPROVED _____
 BRIDGE ENGINEER

APPROVED _____
 SECRETARY

SHEET 24 OF 29
 S-14185



PARAPET-BARRIER-SIDEWALK PLAN
SCALE: 3/32" = 1'-0"

CERTIFIED CORRECT PLANS

Approved by
PENNA. PUB. UTIL. COMMISSION

Attest: *[Signature]*

Bureau of Rail Transportation

MAY 7 1982

Mark	Description	By	Chk	Date

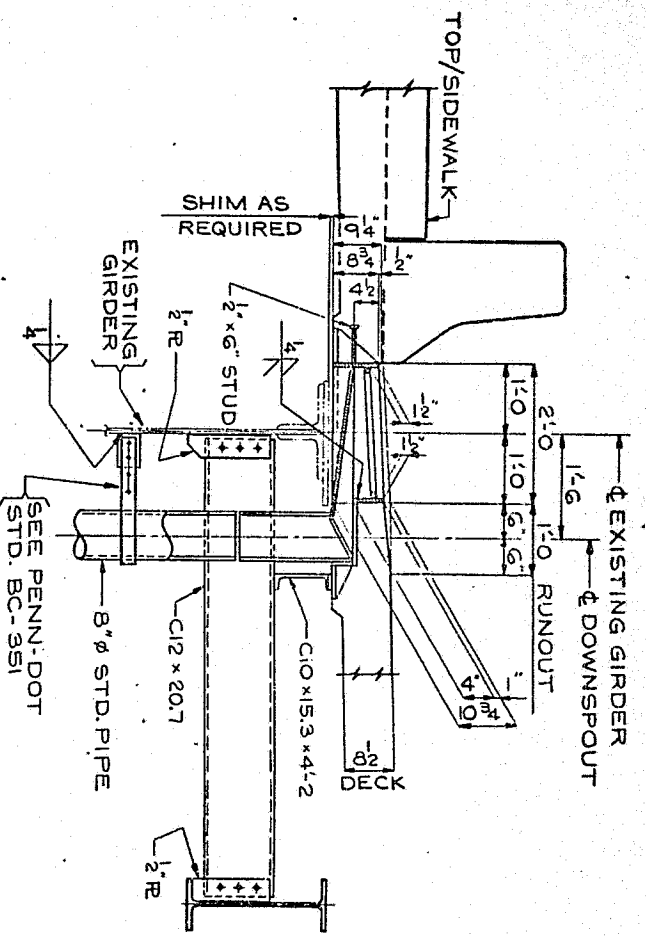
Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39

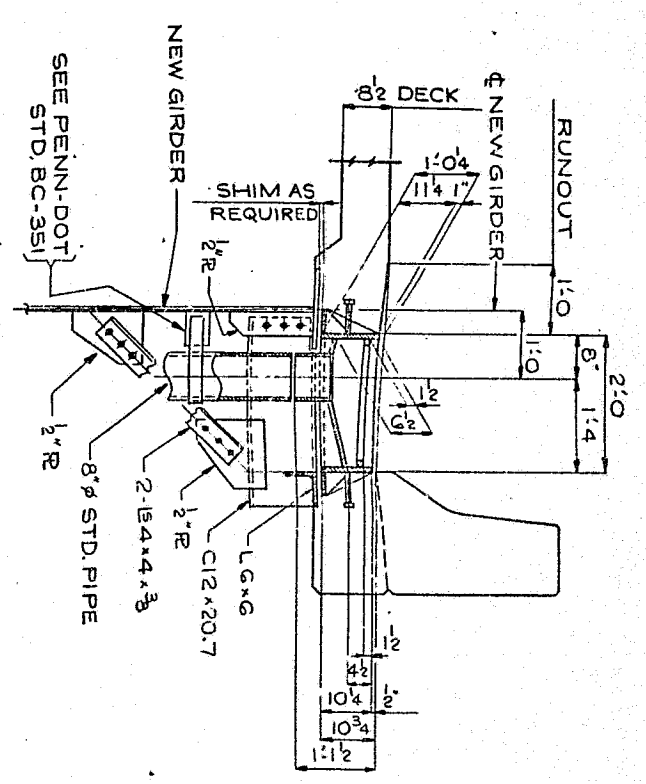
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL GIRDER BRIDGE
SIDEWALK, BARRIER & PARAPET PLAN

APPROVED: _____
BRIDGE ENGINEER

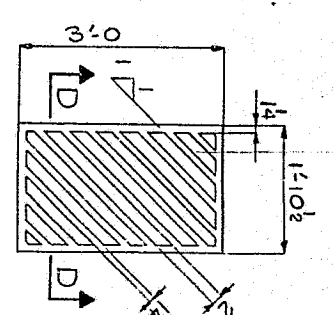
SHEET 25 OF 29
S-14185



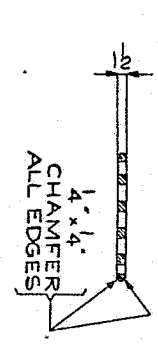
SCUPPER DETAILS - TYPE 1
SCALE: 3/4"=1'-0"



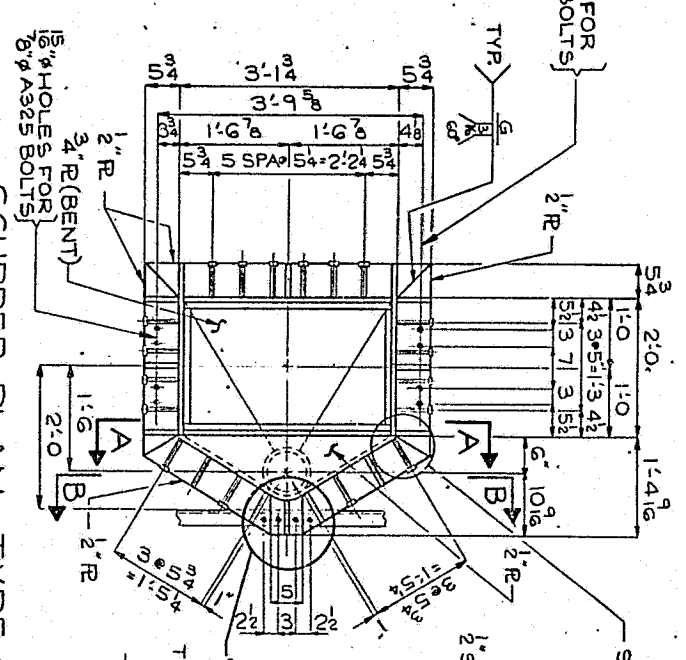
SCUPPER DETAILS - TYPE 2
SCALE: 3/4"=1'-0"



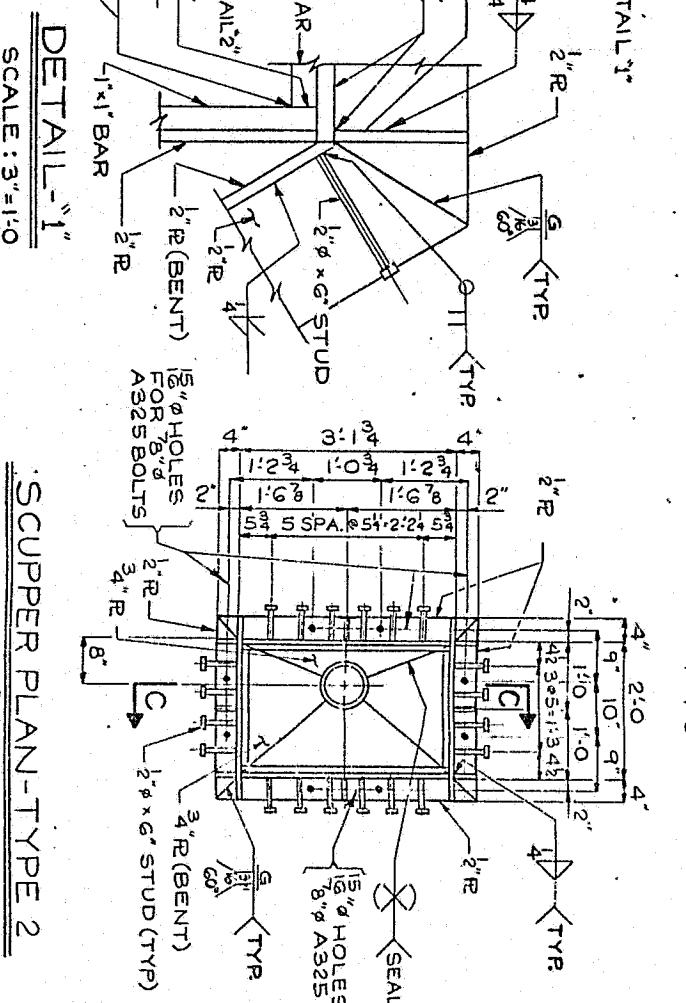
(TYP. ALL SCUPPERS)
GRATING PLAN
SCALE: 3/4"=1'-0"



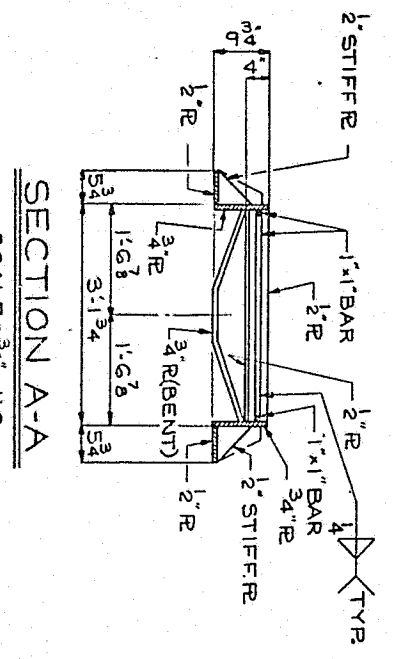
SECTION D-D
SCALE: 3/4"=1'-0"



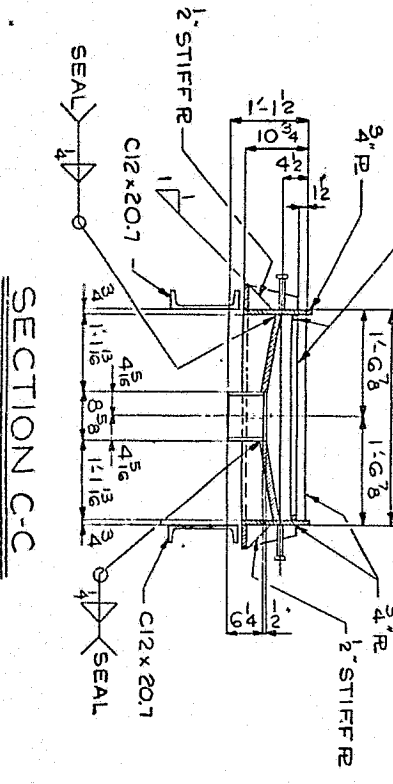
SCUPPER PLAN - TYPE 1
SCALE: 3/4"=1'-0"



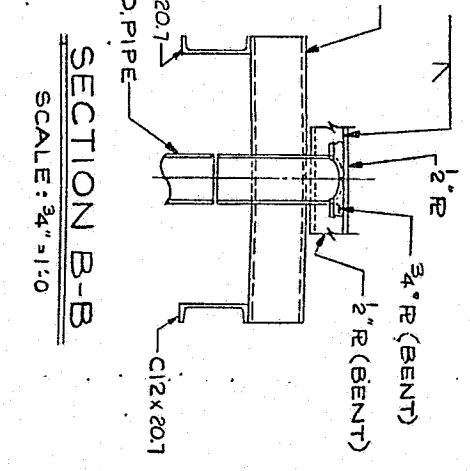
SCUPPER PLAN - TYPE 2
SCALE: 3/4"=1'-0"



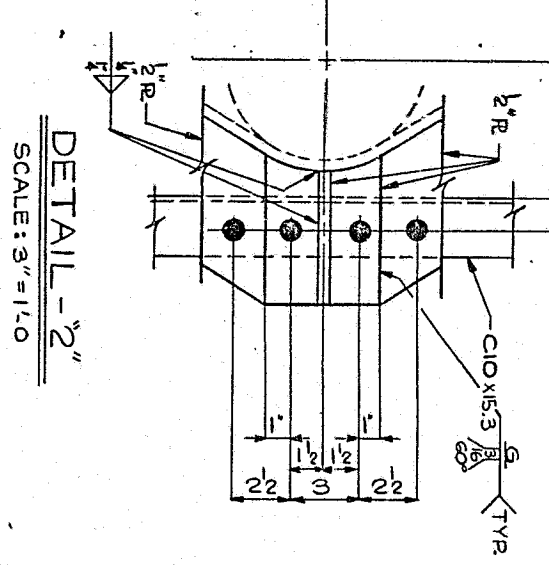
SECTION A-A
SCALE: 3/4"=1'-0"



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



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



DETAIL - 2
SCALE: 3/4"=1'-0"

NOTE
FOR LOCATION OF TYPE 1 AND
TYPE 2 SCUPPERS, SEE SHEET 15 & 16

CERTIFIED CORRECT PLANS

Approved by
PENN. P.U.D. UTILITY COMMISSION

Attest:
MAY 7 1982

Mark	Description	By	CHK'd	App'd	Date

Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

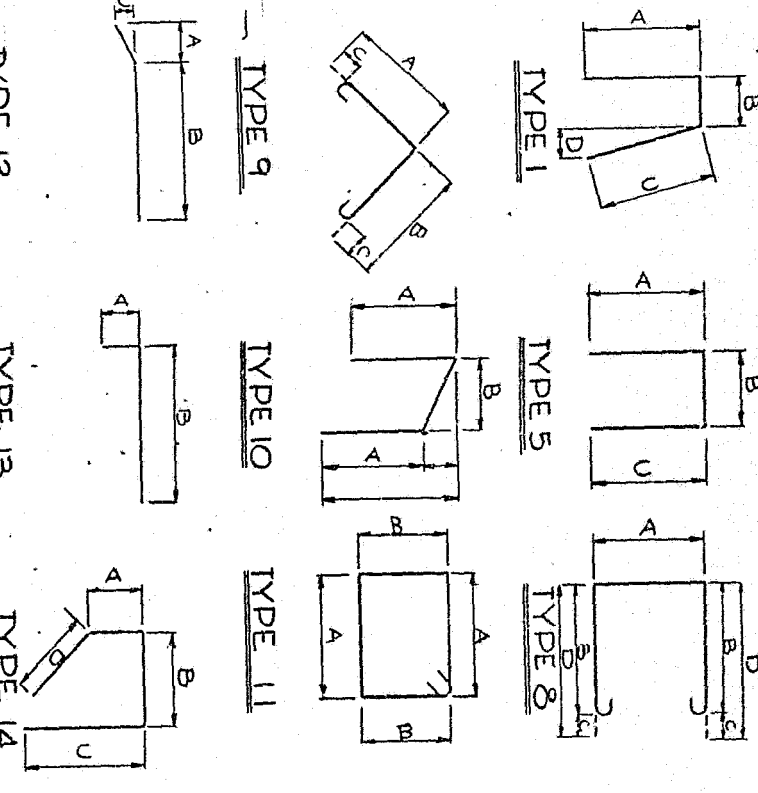
ALLEGHENY COUNTY
L.R. 736 EXT. SEC. 39
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL DECK GIRDER BRIDGE
SCUPPER DETAILS

APPROVED: _____
BRIDGE ENGINEER

SHEET 26 OF 29
S-14185

REINFORCEMENT BAR SCHEDULE

MARK SIZE	LENGTH	EPOXY UNCOATED		TYPE	A	B	C	D	E	REMARKS	MARK SIZE	LENGTH	EPOXY UNCOATED		TYPE	A	B	C	D	E	REMARKS	
		COATED NO.	NO.										COATED NO.	NO.								
EAST ABUTMENT																						
A401	4	29'-0"	13	STR							A403	4	30'-3"	14	STR							
A402	4	39'-0"	13	STR							A404	4	38'-6"	14	STR							
A405	4	7'-5"	116	8	2'-1"	1'-9"	8"	2'-5"			A405	4	7'-1"	116	8	2'-1"	1'-9"	6"	2'-3"			
A406	4	9'-6"	116	9	4'-6"	4'-6"	6"				A406	4	9'-6"	116	9	4'-6"	4'-6"	6"				
A407	4	28'-9"	4	STR																		
A408	4	31'-0"	4	STR																		
A409	4	13'-0"	4	STR																		
WEST ABUTMENT																						
A501	5	8'-5"	3	STR							A506	5	6'-1"	11	5	1'-7"	2'-11"	1'-7"				
A502	5	6'-6"	10	10	1'-7"	3'-4"	1'-7"				A507	5	6'-1"	11	10	1'-7"	2'-11"					
A503	5	50'-0"	6	STR							A508	5	9'-4"	3	13	1'-7"	7'-9"					
A504	5	8'-10"	26	5							A509	5	9'-9"	3	STR							
A505	5	6'-6"	10	5							A510	5	3'-6"	5	STR							
EAS10	5	3'-6"	5	STR							EAS11	5	7'-0"	12	1	3'-0"	9"	3'-0"	3"			
EAS11	5	1'-0"	12	1	3'-0"	9"	3'-0"	3"														
A512	5	6'-0" to 2'-0"	5	STR							A606	6	17'-1"	81	13	2'-5"	14'-8"					
A513	5	7'-6" to 3'-0"	5	STR							A607	6	15'-5"	22	STR							
A514	5	10'-0" to 2'-0"	5	STR							A608	6	9'-5"	81	14	1'-5"	1'-8"	3'-4"	3'-0"			
A515	5	9'-0" to 2'-0"	5	STR							A609	6	3'-11"	18	STR							
A516	5	8'-1"	45	11	2'-0"	1'-5"					A610	6	7'-8" to 1'-8"	10	STR							
EAS17	5	11'-8"	2	12	2'-4"	9'-4"	1'-0"				A611	6	1'-8"	8	STR							
EAS18	5	2'-7"	18	12	1'-0"	1'-7"																
A519	5	13'-0"	44	4	11'-9"	3"	1'-0"	3"			A802	8	6'-0"	14	13	6"	5'-6"					
A520	5	29'-0"	9	STR																		
A521	5	39'-0"	9	STR																		
A601	6	7'-9" to 7'-5"	112	14	5'-9"	1'-8"	3'-4"	2'-0"			A103	11	17'-2"	54	STR							
A602	6	15'-8"	112	13	2'-5"	13'-3"					A104	11	5'-3"	5	STR							
A603	6	13'-9"	25	STR																		
A604	6	9'-11"	22	14	1'-3"	3'-4"	3'-4"	2'-0"														
A609	6	3'-11"	18	STR																		
A610	6	7'-8" to 1'-8"	16	STR																		
A611	6	7'-8"	8	STR																		
A612	6	28'-8" to 15'-11"	7	5	12'-8"	1'-6"	4'-9"	4'-9"	4'-9"													
A613	6	8'-0"	2	12	2'-0"	6'-0"																
AB01	8	6'-0"	4	STR																		
AB02	8	6'-0"	10	13	6"	5'-6"																
AI101	11	31'-0"	24	STR																		
AI102	11	30'-6"	24	STR																		
DOWEL	8	5'-3"	100	STR																		
DOWEL	6	2'-0"	57	STR																		
DOWEL	6	2'-10"	52	STR																		



CERTIFIED CORRECT PLANS

Walter Huff
Engineer

Approved by
PENNA. PUBLIC UTILITY COMMISSION

Attest: *[Signature]*
ALL BARMARKS PREFIXED 'E' & 'S' ARE
EPOXY COATED BARS

Bureau of Rail Transportation
MAY 2 1982

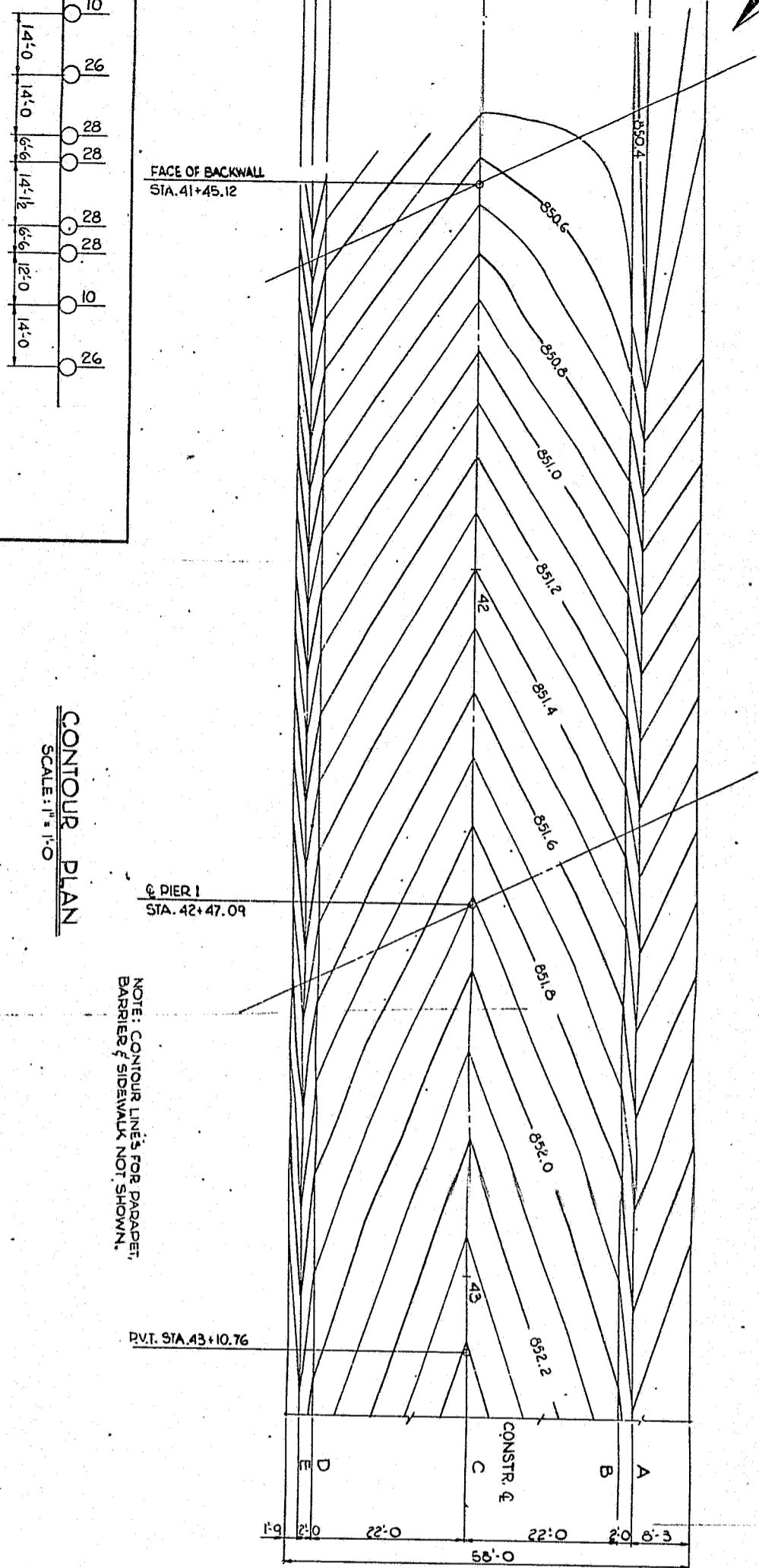
Commonwealth of Pennsylvania
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

ALLEGHENY COUNTY
L.R. 736 EXT. STA. 45+45.00
L.R. 736 EXT. SEC. 39
OVER UNION R.R. & THOMPSON RUN
REHABILITATION OF
8-SPAN STEEL GIRDER BRIDGE
REINFORCEMENT BAR SCHEDULE

APPROVED: _____
BRIDGE ENGINEER

SHEET 28 OF 29
3-14135

Mark	Description	By	Chk'd.	App'd.	Date



LOADS ARE AXLE LOADS IN 1000 LB. UNITS
 EXISTING LOADING DIAGRAM (ORIGINAL DESIGN)
 ALLEGHENY COUNTY DEPT. OF PUBLIC WORKS
 BUREAU OF BRIDGES
 DRAWING NO. 10331

STRESS SUMMARY

	EXIST. INTER. FLR. BM.		EXIST. END FLR. BM.		EXIST. STRINGER		EXIST. STRINGER		EXIST. MAIN GIRDER		NEW OUTSIDE GIRDER		NEW FLOOR BEAM		NEW STRINGERS	
	42'-3 3/8"	42'-3 3/8"	20'	20'	97'-8"	97'-8"	99'	41'-1 1/2"	20'							
	EXISTING	CALCULATED	EXISTING	CALCULATED	EXISTING	CALCULATED	EXISTING	CALCULATED	EXISTING	CALCULATED	EXISTING	CALCULATED	EXISTING	CALCULATED	EXISTING	CALCULATED
DL	53.2	71.9		41.4	8.3	13.1	7.1	12.7	236.3	236.8	82.2	71.9	13.1			
LL	59.4	58.5		58.5	22.5	32.9	31.5	25.0	139.4	104.1	35.9	58.5	32.9			
I	31.2	17.6		17.6	15.0	9.9	12.6	7.5	40.7	31.2	7.9	17.6	9.9			
DL	143.7	154.0		117.5	48.8	55.9	51.2	45.2	416.8	572.1	126.0	154.0	55.9			
DL	611.1	1044.1		548.3	40.8	65.5	34.4	63.5	646.0	655.4	203.0	1044.1	65.5			
LL	814.0	766.4		766.4	108.4	81.6	134.6	79.2	3667.0	2396.6	826.0	766.4	81.6			
I	428.0	230.0		230.0	63.8	26.9	63.3	23.7	1178.0	719.0	182.0	230.0	26.9			
DL	1859.1	2040.5		1544.7	213.0	182.0	232.3	166.4	11305.0	9511.5	3042.0	2040.5	182.0			
LUS	1363.1 IN ³	1363.1 IN ³	1363.1 IN ³	1363.1 IN ³	162.8 IN ³	145.3 IN ³	182.0 IN ³	157.1 IN ³	8940 IN ³	8940 IN ³	21.0 IN ³	1490.4 IN ³	176.0 IN ³	20.0 IN ³	12.4 IN ³	62.0 IN ³
UVAL	16.4	18.0	16.0	16.0	15.7	15.0	15.3	12.7	15.2	12.85	25.6	16.4	12.4	20.0	12.4	62.0
UVAL	102	112	102	102	98.1	93.9	95.7	79.4	14.8	80.3	94.8	82.6	62.0	20.0	12.4	62.0

TABLE OF DECK ELEVATIONS - STA. 41+00 TO STA. 43+20

STATION	LEFT GUTTER - A	LEFT EDGE LANE - B	CONSTR. GUTTER - C	RIGHT EDGE LANE - D	RIGHT GUTTER - E
43 + 20	851.91	852.03	852.47	852.03	851.91
+ 107 1/2	851.85	851.97	852.41	851.97	851.85
+ 10	851.84	851.96	852.40	851.96	851.84
43 + 00	851.78	851.90	852.34	851.90	851.78
+ 90	851.71	851.83	852.27	851.83	851.71
+ 80	851.63	851.75	852.19	851.75	851.63
+ 70	851.55	851.67	852.11	851.67	851.55
+ 60	851.47	851.59	852.03	851.59	851.47
+ 50	851.38	851.50	851.94	851.50	851.38
+ 40	851.28	851.40	851.84	851.40	851.28
+ 30	851.18	851.30	851.74	851.30	851.18
+ 20	851.07	851.19	851.63	851.19	851.07
+ 10	850.96	851.08	851.52	851.08	850.96
+ 00	850.84	850.96	851.40	850.96	850.84
+ 90	850.72	850.84	851.28	850.84	850.72
+ 80	850.59	850.71	851.15	850.71	850.59
+ 70	850.45	850.57	851.01	850.57	850.45
+ 65	850.38	850.50	850.94	850.50	850.38
+ 60	850.38	850.50	850.87	850.43	850.31
+ 56 3/4	850.37	850.49	850.82	850.38	850.26
+ 50	850.37	850.49	850.73	850.29	850.17
+ 45 1/2	850.35	850.47	850.65	850.21	850.09
+ 40	850.35	850.47	850.58	850.14	850.02
+ 33 3/4	850.33	850.45	850.48	850.04	849.92
+ 30	850.32	850.44	850.42	849.98	849.86
+ 20	850.31	850.41	850.26	849.82	849.70
+ 10	850.31	850.38	850.09	849.65	849.53
41 + 00	850.34	849.92	849.48	849.36	

CERTIFIED CORRECT PLANS

Approved by *[Signature]*
 PENNA. PUBLIC UTILITY COMMISSION
 Attest: *[Signature]*
 Bureau of Rail Transportation

Commonwealth of Pennsylvania
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF DESIGN

ALLEGHENY COUNTY
 L.R. 736 EXT. STA. 45+46.00
 OVER UNION R.R. & THOMPSON RUN
 REHABILITATION OF
 8-SPAN STEEL DECK GIRDER BRIDGE
 CONTOUR PLAN, DECK ELEV. & STRESS TABLE

APPROVED _____
 BRIDGE ENGINEER

REVISIONS
 BY: *[Signature]* CHK'D: *[Signature]* App'd: *[Signature]* Date: **MAY 2 1982**

SHEET 29 OF 29
 S-14185

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

Harrisburg
December 2, 1983



IN REPLY REFER TO

Allegheny County
L. R. 736 Ext., Section 39
Thompson Run Bridge
City of Duquesne
PUC. C. 18922

DOCKETED
DEC 08 1983

RECEIVED

DEC 5 1983

SECRETARY'S OFFICE
Public Utility Commission

Mr. Jerry Rich, Secretary
Public Utility Commission
Harrisburg, PA 17120

Dear Mr. Rich:

Reference Paragraph 12 of the Commission's Order NISI dated March 12, 1982 which became effective on April 15, 1982.

Be advised the Department has completed all work in accordance with the Order on October 1, 1983.

Final costs will be submitted as soon as they are compiled.

Very truly yours,

For: Alfred F. Lyng, P. E.
Chief Engineer
Highway Administration

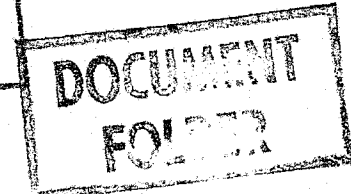
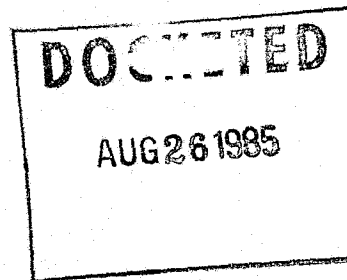


COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
P. O. BOX 3265, HARRISBURG, Pa. 17120

August 22, 1985

IN REPLY PLEASE
REFER TO OUR FILE

C-00018922



see attached list

Pennsylvania Public Utility Commission
vs.

Department of Highways of the Commonwealth of Pennsylvania,
Union Railroad Company, City of Duquesne, County of Allegheny,
The Bell Telephone Company of Pennsylvania, Carnegie Natural
Gas Company, Duquesne Light Company, Equitable Gas Company and
Keystone Pipe Line Company

N O T I C E

This is to advise that a further hearing in the above-captioned proceeding will be held Thursday, October 24, 1985, at 10:00 a.m., in the 11th Floor Hearing Room, Pittsburgh State Office Building, 300 Liberty Avenue, Pittsburgh.

Each party is requested to submit testimony and exhibits regarding final allocation of construction costs and future maintenance responsibilities for the rehabilitation of the bridge (Thompson Run Bridge) on State Highway 736 Extended in the City of Duquesne, Allegheny County.

We are enclosing herewith, a list of questions, prepared by our Bureau of Safety and Compliance, indicating information to be developed at the hearing, along with other relevant testimony.

If any party intends to offer prepared written testimony, such testimony must be served upon each participant of record no less than 20 days prior to this hearing.

You are advised that if you fail to appear at the hearing, the hearing will proceed without you. In that event, it is possible that you or your client will have issues determined against you and that you might be assigned positive duties or be required to pay money and will have waived any objection thereto.

The presiding officer in this proceeding will be Administrative Law Judge John K. Clements, 1103 Pittsburgh State Office Building, 300 Liberty Avenue, Pittsburgh, Pennsylvania 15222; telephone (412) 565-3550.

C-00018922
August 22, 1985

Page 2

If you intend to file exhibits, please be advised that two copies of all hearing exhibits to be presented into evidence must be submitted to the Reporter and an additional copy should be furnished to the presiding officer and each party of record.

Enclosure

ccs:
Judge Clements
Law Bureau
Bureau of Safety & Compliance-
Rail Safety Div.
Mr. Bramson
Ms. Dickson
Ms. Crouse
File

QUESTIONS AND PROCEDURE

1. Department of Transportation shall submit into the record a detailed itemized final cost statement for the work performed by the Department for the construction of the improvement in compliance with the Commission's order entered March 25, 1982.
2. Department of Transportation shall submit testimony as to what portion, if any, of those costs thus incurred that it will agree to bear; and what portion, if any, of the total costs of constructing the improvement that it will agree to bear; and what portion, if any, of the costs of future maintenance that it will agree to bear; and what portion, if any, of said construction, maintenance and costs thereof that should be performed and borne by each of the other parties hereto.
3. Union Railroad Company shall submit into record a detailed itemized final cost statement for the work performed by the company in compliance with the Commission's order entered March 25, 1982.
4. Union Railroad Company shall submit testimony as to what portion, if any, of those costs thus incurred that it will agree to bear; and what portion, if any, of the total costs of constructing the improvement that it will agree to bear; and what portion, if any, of the costs of future maintenance that it will agree to bear; and what portion, if any, of said construction, maintenance and costs thereof that should be performed and borne by each of the other parties hereto.
5. The Bell Telephone Company of Pennsylvania shall submit into record a detailed itemized final cost statement for the work performed by the company in public and private right-of-way in compliance with the Commission's order entered March 25, 1982.
6. The Bell Telephone Company of Pennsylvania shall submit testimony as to what portion, if any, of those costs thus incurred that it will agree to bear; and what portions, if any, of the costs of future maintenance that it will agree to bear; and what portions, if any, of said construction, maintenance and costs thereof that should be performed and borne by each of the other parties hereto.
7. The Bell Telephone Company of Pennsylvania shall submit into the record a detailed plan indicating specific location of its existing facilities and proposed relocated facilities, with specific indications as to type and size of each facility.

8. The Bell Telephone Company of Pennsylvania shall identify when its present facilities were installed and under what permission or authority; the anticipated service life of the present facilities when they were installed; expected service life of the proposed relocated facilities; comparison of existing facilities vs. relocated facilities as to specific increases or decreases in capacity of each.
9. The Bell Telephone Company of Pennsylvania state whether it would relocate its facilities and how much it would cost for right-of-way acquisition and construction, if it were not permitted to occupy (public right-of-way) (the crossing structure).
10. The Bell Telephone Company of Pennsylvania state specifically why they are choosing to place their facilities in public right-of-way and benefits therefrom, if they propose to relocate their facilities in public right-of-way.
11. Carnegie Natural Gas Company, Duquesne Light Company, Equitable Gas Company and Keystone Pipeline Company each shall submit answers to Questions 5, 6, 7, 8, 9 and 10, above, as if same were posed to it.
12. City of Duquesne shall submit into the record a detailed itemized final cost statement for the work performed, if any, by the city in the construction of the improvement in compliance with the Commission's order entered Marh 25, 1982.
13. City of Duquesne shall submit testimony as to what portion, if any, of those costs thus incurred that it will agree to bear; and what portion, if any, of the total cost of constructing the improvement that it will agree to bear; and what portion, if any, of the costs of future maintenance that it will agree to bear; and what portion, if any, of said construction, maintenance and costs thereof that should be performed and borne by each of the other parties hereto.
14. Allegheny County shall submit answers to Questions 12 and 13, above, as if same were posed to it.
15. Query whether any of the interested parties, or any other party desires to submit additional relevant testimony.

ORIGINAL
UNION RAILROAD COMPANY

135 JAMISON LANE • P. O. BOX 68 • MONROEVILLE, PENNSYLVANIA 15146

DONALD H. HOFFMAN
PRESIDENT
AND
CHIEF EXECUTIVE OFFICER

August 26, 1985

RECEIVED

AUG 28 1985

SECRETARY'S OFFICE
Public Utility Commission

Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
P. O. Box 3265
Harrisburg, PA 17120

Gentlemen:

File: C-00018922

Please change your records to show that Mr. M. Spalding Toon has retired as President of our company, and that Mr. Donald H. Hoffman is now President and Chief Executive Officer.

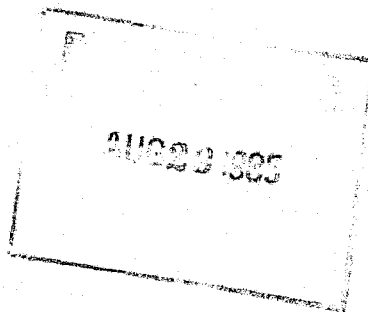
Very truly yours,

Mary Grace Fiedler

(Mrs.) Mary Grace Fiedler
Secretary to Mr. Hoffman

8/28/85 - copy of ltr sent to: B/S & C-rail div
Janet Patrick
Assessment Section
C.Denslinger
Law Bureau

mpk



ORIGINAL UNION RAILROAD COMPANY

135 JAMISON LANE • P. O. BOX 68 • MONROEVILLE, PENNSYLVANIA 15146

DONALD H. HOFFMAN
PRESIDENT
AND
CHIEF EXECUTIVE OFFICER

August 26, 1985

file
RECEIVED

AUG 28 1985

SECRETARY'S OFFICE
Public Utility Commission

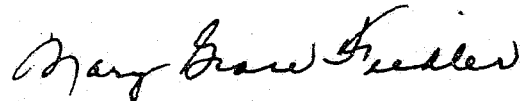
Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
P. O. Box 3265
Harrisburg, PA 17120

Gentlemen:

File: C-00018922

Please change your records to show that Mr. M. Spalding Toon has retired as President of our company, and that Mr. Donald H. Hoffman is now President and Chief Executive Officer.

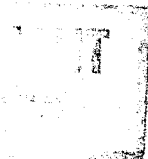
Very truly yours,



(Mrs.) Mary Grace Fiedler
Secretary to Mr. Hoffman

8/28/85 - copy of ltr sent to: B/S & C-rail div
anet Patrick
Assessment Section
C.Denslinger
Law Bureau

mpk



ATLANTIC PIPELINE CORP.
FRITZTOWN ROAD
P.O. Box 2086
SINKING SPRING, PA 19608

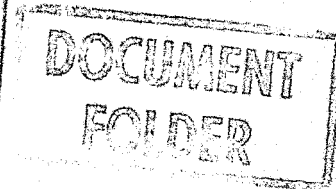
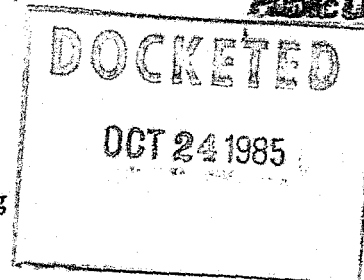
RECEIVED

OCT 24 1985

SECRETARY'S OFFICE
Public Utility Commission

October 16, 1985

Judge John K. Clements
Administrative Law Judge
1103 Pittsburgh State Office Building
300 Liberty Avenue
Pittsburgh, Pa. 15222



Re: Pennsylvania Public Utility Commission v Department of Highways of Commonwealth of Pennsylvania, Union Railroad Company, City of Duquesne, County of Allegheny, The Bell Telephone Company of Pennsylvania, Carnegie Natural Gas Company, Duquesne Light Company, Equitable Gas Company and Keystone Pipe Line Company; Docket No. C-00018922

Dear Judge Clements:

This letter is in response to the Notice of Hearing and Questions submitted by the Pennsylvania Public Utility Commission to ARCO Pipeline Company on August 22, 1985. Please be advised that Atlantic Pipeline Company purchased the assets of ARCO Pipeline Company, formerly Keystone Pipeline Company on September 30, 1985. This included the 8" Hays Spur Line under the Thompson Run Bridge. Accordingly, listed below are Atlantic's responses to questions 5 through 10 submitted by the PUC.

Question No. 5 - To the best of our knowledge, because of the negligible amount of work on this project, ARCO Pipeline Company did not accumulate a record of cost for this work. Therefore, no submission is being made for reimbursement.

Question No. 6 - To the best of our knowledge, ARCO Pipeline Company will bear any costs that have already been incurred in connection with this project. Atlantic does not agree to pay any future costs of relocation of its facilities. We have no claims for reimbursement against other parties nor do we agree to bear any cost for their work.

Question No. 7 - Our existing facilities were not affected by the construction to the extent that a relocation was proposed. A plan showing our 8" diameter petroleum products pipeline is attached as Exhibit A.

October 16, 1985

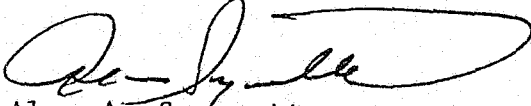
Page 2

Question No. 8 - Atlantic Pipeline Corporation's pipeline was installed in 1935 by virtue of an agreement from Carnegie-Illinois Steel Corporation dated October 14, 1935. Atlantic holds a permit issued October 3, 1935 by the Pa. Department of Highways. The anticipated service life of our existing facilities is indefinite. No relocated facilities were constructed; therefore, the last two requests are not applicable.

Question No. 9 - Not applicable. No relocation was proposed or required; therefore, no cost estimate was prepared.

Should you have any questions on these responses, please feel free to contact me.

Respectfully,



Alan A. Symonette
Attorney for Atlantic Pipeline Corp.
(215) 557-3266

AAS/mb1

cc: Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17123

6" HAYS SPIR

8" ARCO
PIPE LINE

441+00

4+00

MATCH LINE

DUQUESNE BLVD. BRIDGE

FOR RELOCATION
SEE
MPL 5185

STATE ROUTE 837

837

LR 736

OLIVER AVE.

ALLEGHENY

427+06

425+85

424+84

424+67

424+56

424+43

423+50

