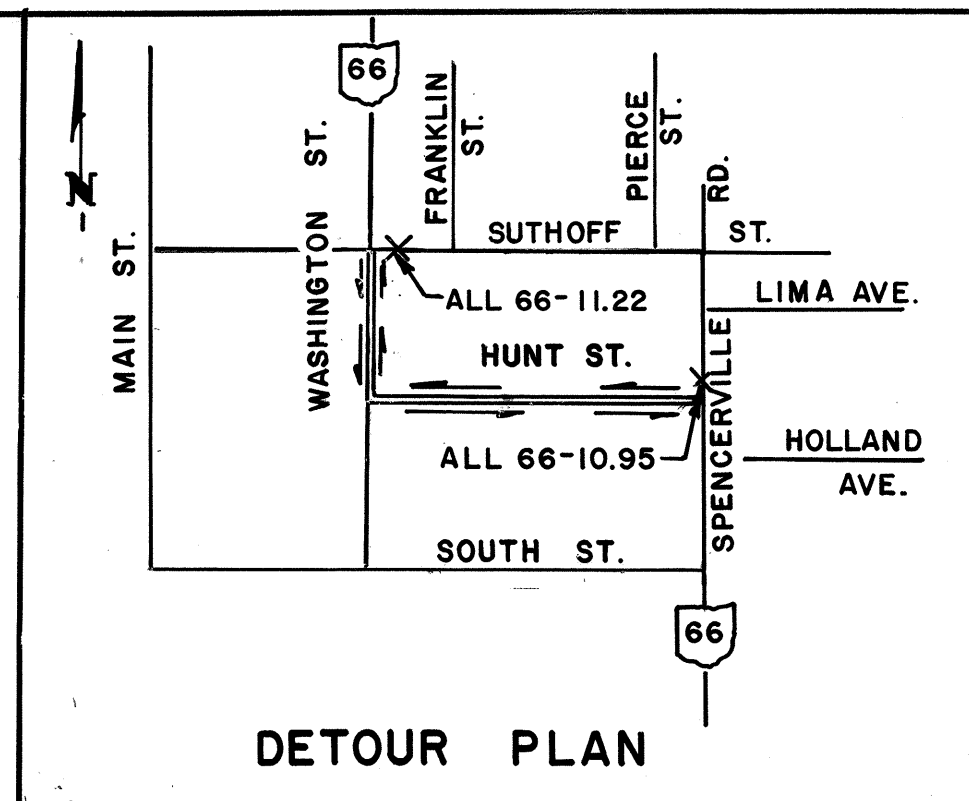


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FEB 6 1986



DESIGN DESIGNATION

ALL 66-10.95 ALL 66-11.22
CURRENT ADT(1980) 3468 3193
DESIGN YEAR(2000) 4855 4468
DHV 583 491
D 60% 55%
T 8% 7%
V 45 mph 45 mph

CONVENTIONAL SIGNS

County Line _____
Township Line _____
Section Line _____
Corporation Line _____
Fence Line (existing) -X- (proposed) -X-
Center Line _____
Trees, Stumps, (to be removed) X X
Utility Poles: Telephone, Power, Light

Limited Access (only) LA
Right of Way (only) RW
Limited Access & Right of Way LA & RW
Existing Right of Way
Property Line (in existing fence) -X- R -X-
Railroad
Guardrail (existing) (proposed)

INDEX OF SHEETS

Title Sheet _____
Schematic Plan _____
Typical Sections _____
General Notes _____
Sub-Summaries _____
General Summary _____
Plan and Profile _____
Main Line-Cross Sections _____
Channel-Cross Sections _____
Structures Over 20' Span _____
Right-of-Way _____

LINE DATA

Begin Project Sta. 577+60.00
Suspend Project Sta. 579+30.50
Sub-Total = 170.50 L.F.
Resume Project Sta. 592+90.00
End Project Sta. 593+91.50
Deduction = 9.00 L.F.
Sub-Total = 92.50 L.F.
Total Length of Project = 263 L.F. or 0.049 Miles

Begin Work Sta. 577+60.00
Suspend Work Sta. 579+73.00
Sub-Total = 213.00 L.F.
Resume Work Sta. 592+63.00
End Work Sta. 594+05.00
Sub-Total = 142.00 L.F.
Total Length of Work = 355.00 L.F. or 0.067 Miles

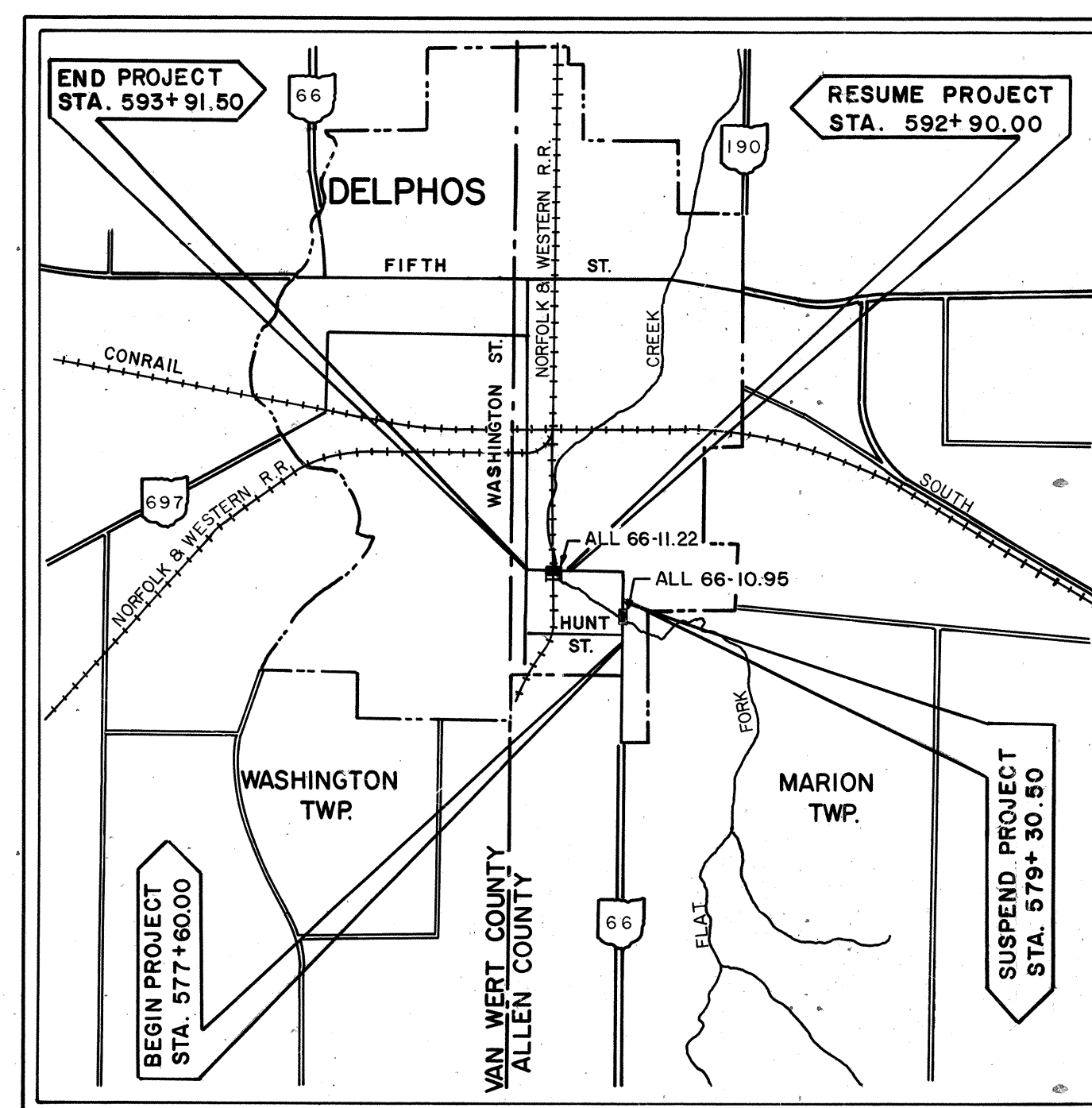
Plan Prepared By:
Clyde E. Williams & Assoc., Inc.
3620 North High Street
Columbus, Ohio

John D. Bookman

REGISTRATION
NUMBER

SEAL

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ALL-66-(10.95)(11.22) CITY OF DELPHOS



LOCATION MAP

SCALE OF MILES
0 1/2 1

Portion to be Improved _____
State Highways _____
Other Routes _____
Detour Routes _____

SCALES
Plan _____
Profile _____
Cross Sections _____

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS					
BP-5	4-16-79	LA-1	6-1-79	AS-1-72	6-30-72
BP-6	6-1-65			BR-2-67	10-15-71
BP-7	12-6-76	MC-3	6-1-73	PSBD-1-71 (1,2 & 3)	
BP-12	8-11-75	MC-4	7-26-76		9-1-71
CB 2-2-A&B	5-1-79	MC-11	8-1-78		
CB 2-5 & 2-6	5-1-79				
		MH-1	6-12-75	BR-1	5-29-79
CB-6	5-1-79	MH-3	6-12-75		
		MH-5	6-12-75		

SUPPLEMENTAL SPECIFICATIONS	
1001	1-3-77
836	3-12-75

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

DATE

MICROFILMED
DEC 29 1987

FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00(2)

ALLEN COUNTY
ALLEN 66-10.95/11.22

BRM-5V00(2)

1981 SPECIFICATIONS

The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as indicated on the plans.

Approved *Max D. Monahan*
Date 4-29-81 District Deputy Director of Transportation

Approved *Robert B. Pfeiffer*
Date 5-18-81 Engineer, Bureau of Bridges and Structural Design

Approved *Howard E. Nolan*
Date 8-4-81 Chief Engineer, Planning and Design

Approved *David L. Wein*
Date 8-4-81 Director, Department of Transportation

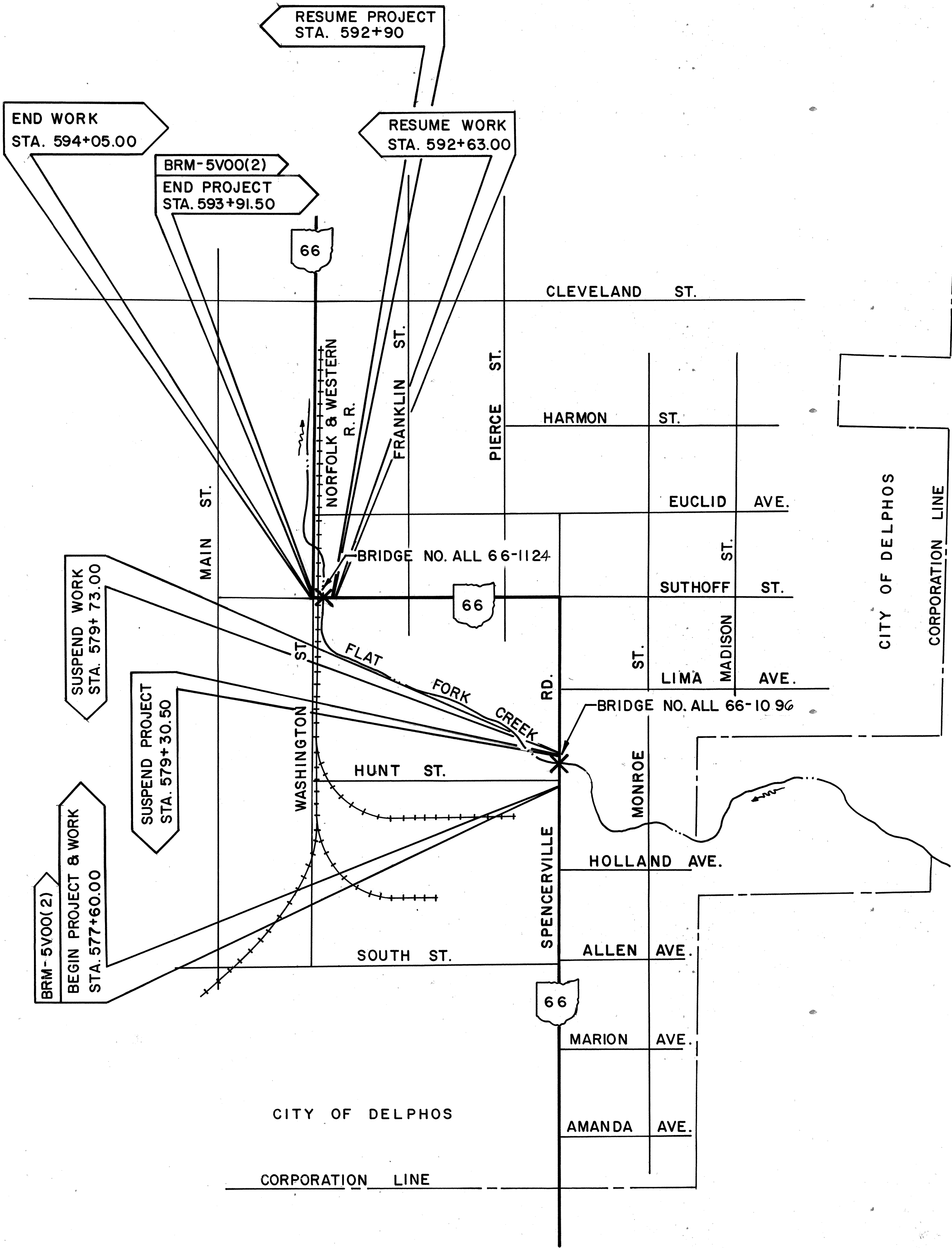
MICROFILMED
FEB 6 1986

SCHEMATIC PLAN

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5V00(2)	

2
32

ALLEN COUNTY
ALL 66-10.95/11.22

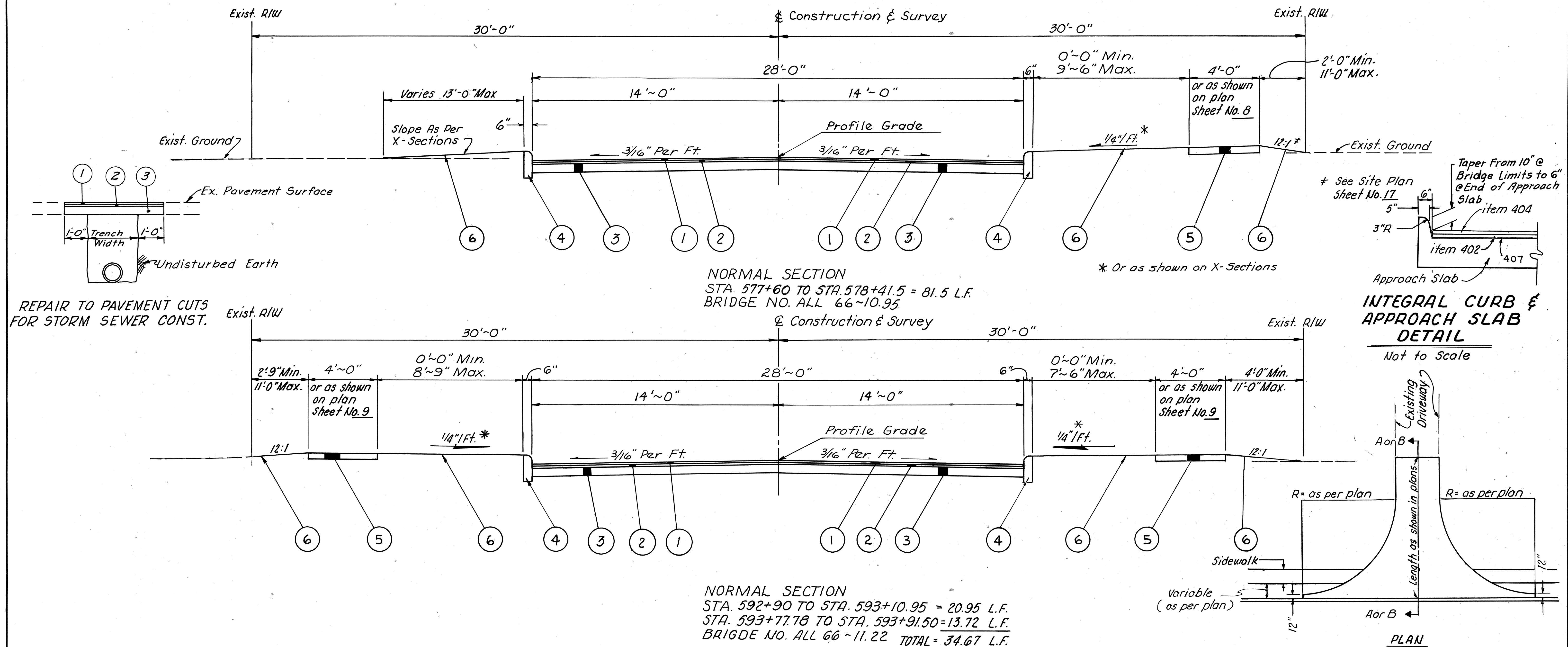


TYPICAL SECTIONS

TYPE 404

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5000(2)	3/32

ALLEN COUNTY
ALL 66-10.95/11.22



ALLEN COUNTY
ALL 66-10.95/11.22

GENERAL NOTES

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS, IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY OF COMPLETENESS.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

SANITARY SEWERS CITY OF DELPHOS
608 NORTH CANAL STREET
DELPHOS, OHIO 45833

WATER LINES CITY OF DELPHOS
608 NORTH CANAL STREET
DELPHOS, OHIO 45833

TELEPHONE UNITED TELEPHONE COMPANY
122 S. ELIZABETH STREET
LIMA, OHIO 45801

GAS WEST OHIO GAS COMPANY
319 W. MARKET STREET
LIMA, OHIO 45802

ELECTRIC OHIO POWER COMPANY
301 CLEVELAND AVENUE, S.W.
CANTON, OHIO 44701

ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THIS PLAN TO BE USED AS DIRECTED BY THE ENGINEER SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT. ESTIMATED QUANTITIES OF MATERIALS SHALL NOT BE ORDERED FOR DELIVERY TO THE PROJECT UNLESS AUTHORIZED BY THE ENGINEER.

CROWN AT RAILROAD CROSSING

THE CROWN SHALL BE WORKED OUT OF THE PAVEMENT ON EACH SIDE OF THE RAILROAD CROSSING WITHIN THE APPROACH SLAB ON THE EAST SIDE OF THE CROSSING AND BEGINNING 10 FT. FROM THE CROSSING, ON THE WEST SIDE OF THE CROSSING, BY RAISING THE EDGE OF THE PAVEMENT TO MEET THE RAIL ELEVATION.

REMOVAL OF EXISTING PIPE

THE REMOVAL OF ALL EXISTING PIPE DRAINS WHICH WOULD NORMALLY BE REMOVED IN VARIOUS EXCAVATION ITEMS SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICES BID FOR THE RESPECTIVE EXCAVATION ITEMS, UNLESS OTHERWISE ITEMIZED IN THE PLANS.

REMOVAL OF TREES AND STUMPS

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201 CLEARING AND GRUBBING, EXCEPT THAT THOSE TREES FOR WHICH PROTECTION AND PRESERVATION WORK IS INDICATED ELSEWHERE IN THESE PLANS SHALL NOT BE REMOVED.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREE AND STUMPS TO BE REMOVED:

	NO. TREES	NO. STUMPS
SIZE - 18"	0	0
SIZE - 30"	0	1

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES AND STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 CLEARING AND GRUBBING.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE RIGHT-OF-WAY FENCE LINES, BETWEEN THE RIGHT-OF-WAY LINES IN UNFENCED AREAS, AND WITHIN THE WORK LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENTS OR SLOPE EASEMENT.

WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR EROSION AND SILTATION CONTROL MEASURES:

207	STRAW OR HAY BALES	50 EACH
659	WATER	10 M. GALS
207	TEMPORARY SEEDING AND MULCHING	100 SQ.YD.
659	REPAIR SEEDING AND MULCHING	100 SQ.YD.
659	COMMERCIAL FERTILIZER	0.02 TONS

EROSION CONTROL

ITEM 601 AND 660 ARE PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OR TURF OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS. THE ENGINEER SHALL CHECK AND NONPERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON USGS DATUM.

BRIDGE APPROACH SLAB STATION 593+58.45 TO STATION 593+68.78

THE APPROACH SLAB FOR BRIDGE NO. ALL 66-11.22 FROM STATION 593+58.45 TO STATION 593+68.78 SHALL CONFORM TO THE DESIGN REQUIREMENTS OF THE 15' LONG APPROACH SLAB AS DETAILED ON STANDARD DRAWING AS-1-72 DATED 6-30-72 EXCEPT THAT THE APPROACH SLAB LENGTH SHALL BE 10'-4" AND THE A-BAR LENGTH SHALL BE 11'-1"

APPROACH SLAB JACKING HOLES

APPROACH SLAB JACKING HOLES AS SHOWN ON AS-1-72 SHALL BE OMITTED. THE REINFORCING IN THE TOP OF THE SLAB SHALL BE 3" CLEAR.

ITEM SPECIAL- FILL AND PLUG EXISTING SEWER

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULK-HEADS IN THE EXISTING SEWER AND FILLING THE AREA THUS SEALED OFF WITH SAND OR OTHER GRANULAR MATERIAL APPROVED BY THE ENGINEER.

BULK-HEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED IN THE PLANS. THE BULK-HEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE OR PLACED BY SOME OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE SEWER, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE FOOTAGE OF FILLED AND PLUGGED SEWER TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF LINEAR FEET (MEASURED ALONG THE CENTERLINE OF THE SEWER FROM OUTER FACE TO OUTER FACE OF THE BULK-HEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING SEWER, THE PIPE CAN BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT CAN BE REMOVED.

THE FOOTAGE, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER LINEAR FOOT FOR ITEM SPECIAL, FILL AND PLUG EXISTING SEWER, WHICH PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING HAULING AND PLACING ALL THE NECESSARY MATERIALS, AND FOR

ALL LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

SANITARY SEWER UNDER HIGHWAY STRUCTURE NO. ALL 66-11 24

THE SANITARY SEWER UNDER HIGHWAY STRUCTURE NO. ALL 66-11 24 FROM STATION 593+24 LT. TO STATION 593+66 LT. SHALL BE REMOVED AND REPLACED AS DETAILED ON THE PLANS.

THE PIPE AND FITTINGS SHALL BE F-157, MECHANICAL JOINT "LONG SPAN" PIPE AS MANUFACTURED BY CLOW CORPORATION OR UNITED STATES PIPE AND FOUNDRY CO., OR APPROVED EQUAL AND SHALL MEET THE ANSI SPECIFICATION A 21.51-1976 (AWWA C 151-76)

DURING CONSTRUCTION OF THE SANITARY SEWER, THE CONTRACTOR SHALL PROVIDE THE NECESSARY MEANS, TO PUMP THE SANITARY FLOW FROM EXISTING MANHOLE AT STATION 592+80.7 TO THE NEAREST DOWNSTREAM SANITARY MANHOLE.

INTERRUPTION OF SANITARY SERVICE, OR BACKFLOW FROM THE SEWER LINE TO NEARBY RESIDENCES WILL NOT BE PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING THEREFROM.

THIS WORK SHALL BE PAID FOR UNDER ITEM 603 12" DUCTILE IRON MECHANICAL JOINT AND FLANGED LONG SPAN PIPE AND SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIAL, TOOLS AND EQUIPMENT AND ALL INCIDENTALS FOR THE ACCEPTED WORK.

HOUSE CONNECTIONS. EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS, DISTURBED BY THE PROPOSED WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, THROUGH THE CURB.

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603	4"	CONDUIT TYPE E, 711.29	50 L.F.
ITEM 603	6"	CONDUIT TYPE E, 706.01,	50 L.F.
		706.02, OR 706.08	

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5V00(2)	

4-A
32

ALLEN COUNTY
ALL 66-10.95/11.22

GENERAL NOTES

REVIEW OF DRAINAGE FACILITIES. BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 300 SQ. FT. OF FLOOR SPACE.

ALLEN COUNTY
ALL 66-10.95/11.22

GENERAL SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM 5V00(2)	

7
32

ALLEN COUNTY
ALL 66-10.95/11.22

Calculated By: A.A.H. 2-81
Checked By: D.F.C. 2-81

SHEET NUMBERS					ITEM	TOTAL QUANTITY	UNIT	DESCRIPTION
	4	4-A	5	6				
								~ ROADWAY ~
	Lump		2		201	Lump	Lump	Clearing and Grubbing
			42		202	2	Each	Catch Basin Removed
			1044		202	42	L.F.	Pipe Removed, 24" and Under
			1		202	1044	S.F.	Walk Removed
					202	1	Each	Catch Basin Abandoned
			380		203	380	C.Y.	Excavation Not Including Embankment Construction
			64		203	64	C.Y.	Embankment
				799	203	799	S.Y.	Subgrade Compaction
			1213		608	1213	S.F.	4" Concrete Walk
			3		608	3	Each	Curb Ramps, Standard Type 2
			40		608	40	S.F.	Curb Ramps, Standard Type 2
								~ PAVEMENT ~
			6	113	301	119	C.Y.	Bituminous Aggregate Base: AC-20, RT-11 or RT-12
				27	402	27	C.Y.	Asphalt Concrete, AC-20
				27	404	27	C.Y.	Asphalt Concrete, AC-20
			2		404	2	C.Y.	Asphalt Concrete AC-20 (Driveways)
				27	407	27	Gal.	Tack Coat
				1	407	1	Ton.	Cover Aggregate
			3		411	3	C.Y.	Stabilized Crushed Aggregate
			30		452	30	S.Y.	6" Plain Portland Cement Concrete Pavement
			262		609	262	L.F.	Curb, Standard Type 6
				244	611	244	S.Y.	Reinforced Concrete Approach Slab (T=15")
				33	611	33	S.Y.	Reinforced Concrete Approach Slab (T=12"), as per plan
								~ SANITARY Type Code Y060 ~
			36		603	36	L.F.	12" Ductile Iron Mechanical Joint and Flanged Long Span Pipe, ANSI A21.51-1976 (AWWA C151-76) as per plan
			1		604	1	Each	Manhole Adjusted to Grade
								~ DRAINAGE ~
	50				603	50	L.F.	6" Conduit, Type E, 706.01, 706.02 or 706.08
			36		603	36	L.F.	12" Conduit, Type B
			245		603	245	L.F.	12" Conduit Type C
			319		Special	319	L.F.	Fill and Plug Existing Sewer
			6		603	6	L.F.	24" Conduit Type C
	50				603	50	L.F.	4" Conduit Type E, 711.29
			2		604	2	Each	Catch Basin, Standard No. 2-2-B
			2		604	2	Each	Catch Basin, Standard No. 6
			1		604	1	Each	Catch Basin, Standard No. 2-5
			2		604	2	Each	Manhole, Standard No. 1
								~ EROSION CONTROL
	100				207	100	S.Y.	Temporary Seeding and Mulching
	100				659	100	S.Y.	Repair Seeding and Mulching
				133	660	133	S.Y.	Sodding
	50				207	50	Each	Straw or Hay Bales
	10				659	10	M.Gal.	Water
	0.02			0.05	659	0.07	Ton	Commercial Fertilizer
				476	659	476	S.Y.	Seeding and Mulching
								~ STRUCTURES OVER 20' SPAN ~
								For Quantities of Bridge No. All 66-10.96, See Sheet No. 19
								For Quantities of Bridge No. All 66-11.24, See Sheet No. 24
								~ MISCELLANEOUS ~
					623	Lump	Lump	Construction Layout Stakes
		Lump			619	Lump	Lump	Field Office
					614	Lump	Lump	Maintaining Traffic
					624	Lump	Lump	Mobilization

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FEB 6 1986

BRM-5V00 (2)
Begin Project Work
Sta. 577+60.00
S.L.M. 10.95

Suspend Project
Sta. 579+30.50

Taper Curb and
Approach Slab
From 14'-6" @
Sta. 579+05.5 To
14'-0" @ Sta. 579+30.5
as Directed by the
Engineer.

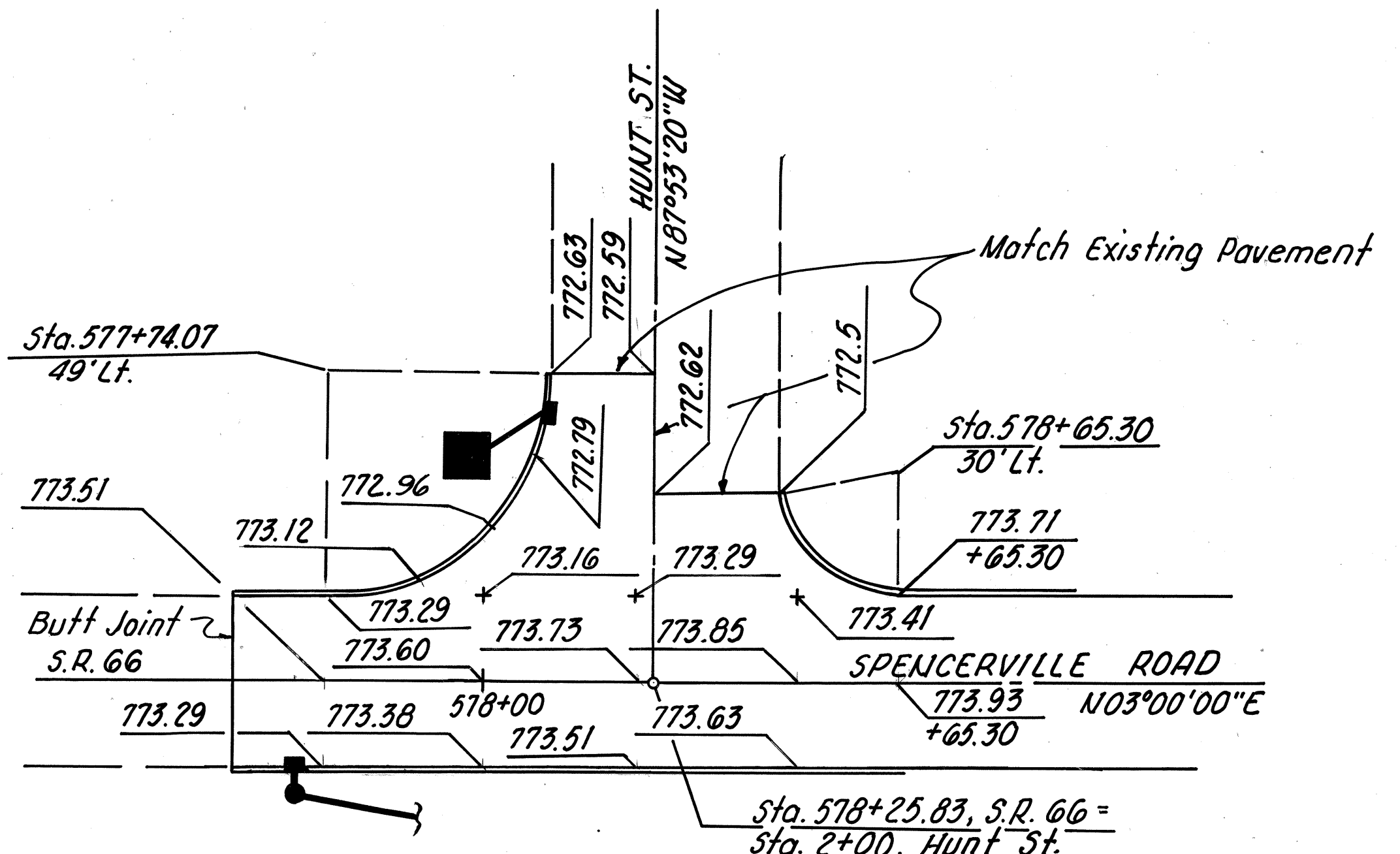
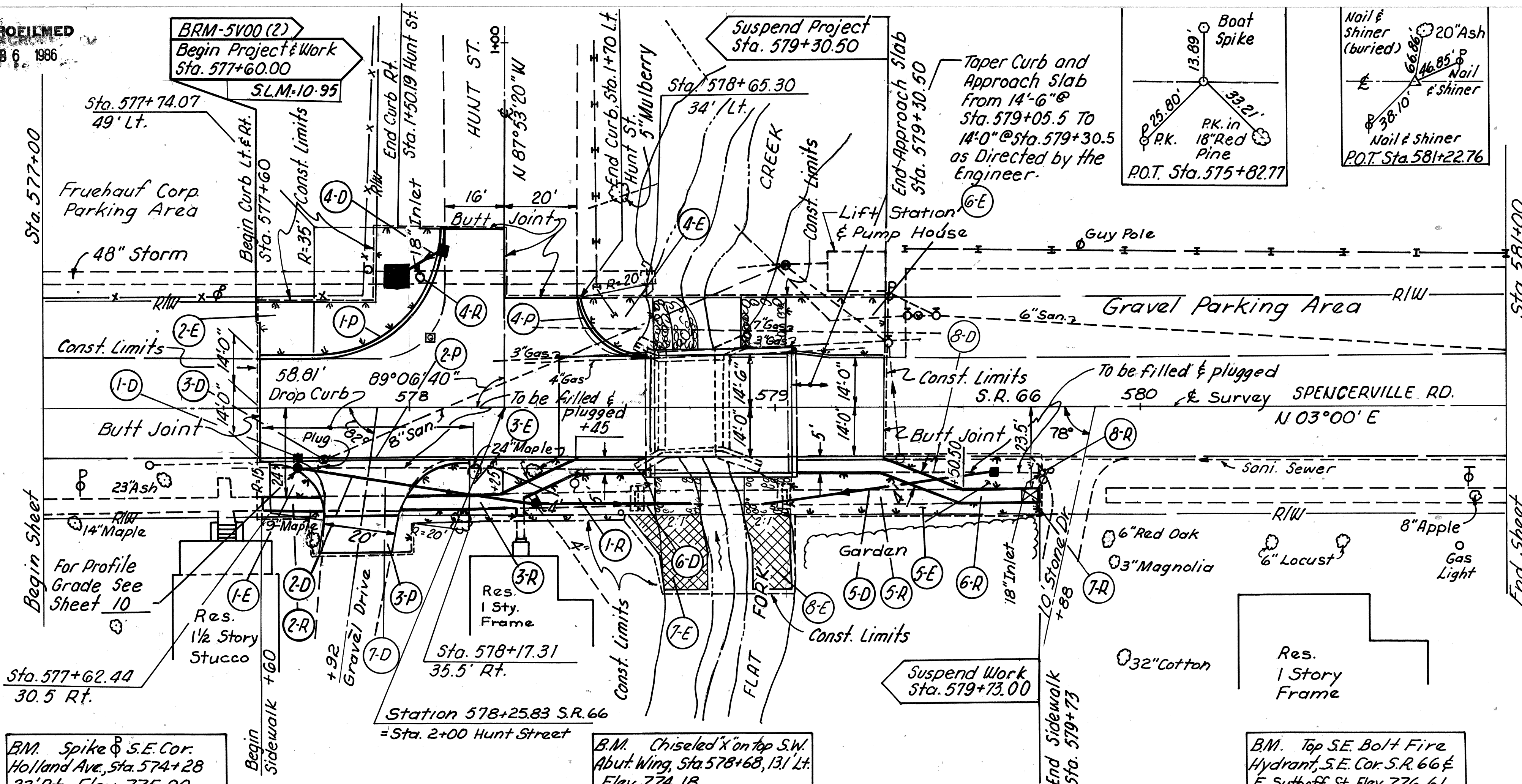
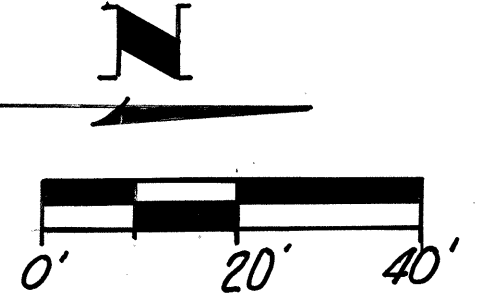
Boat Spike
13.89'
33.21'
25.80'
P.K. in
18" Red
Pine
R.O.T. Sta. 575+82.77

Nail &
Shiner
(buried)
20" Ash
Nail
& Shiner
R.O.T. Sta. 581+22.76

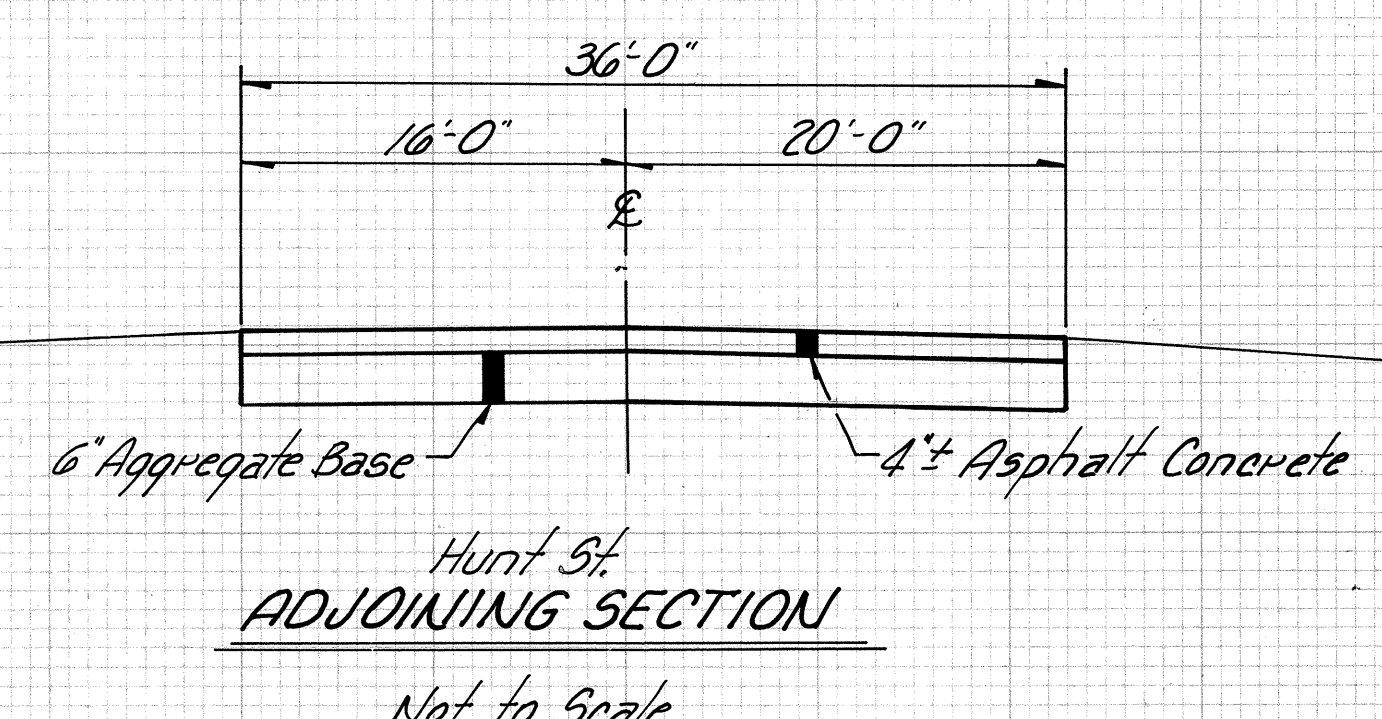
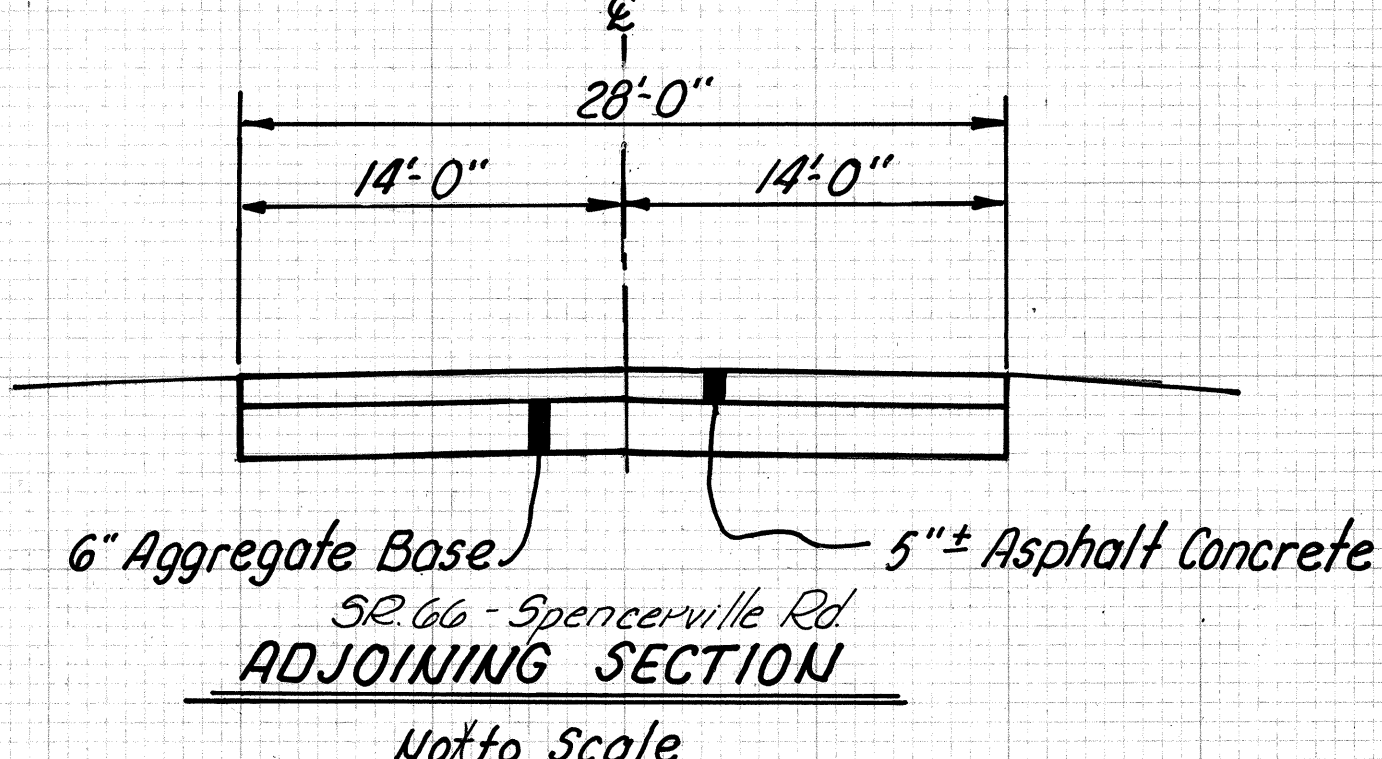
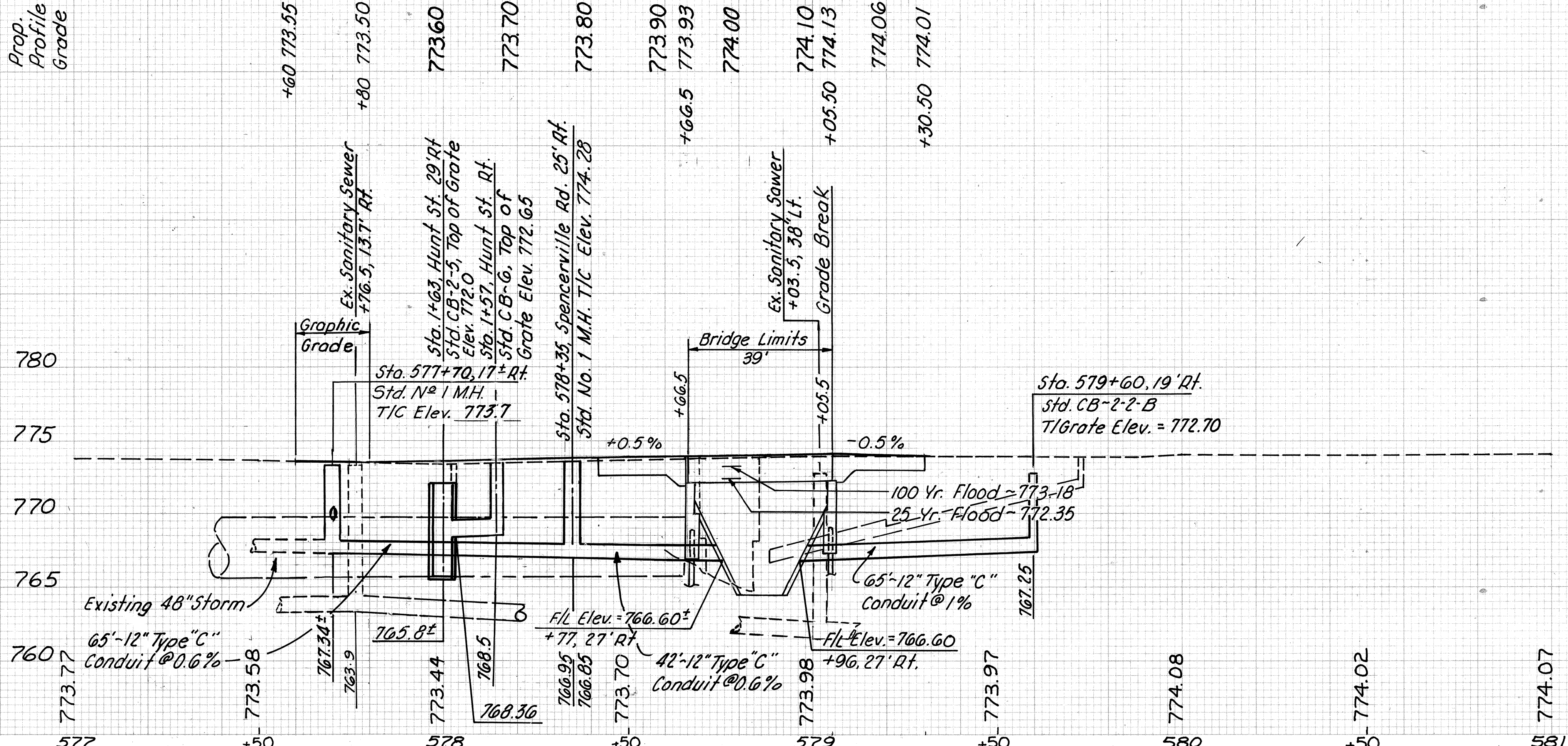
FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00 (2)

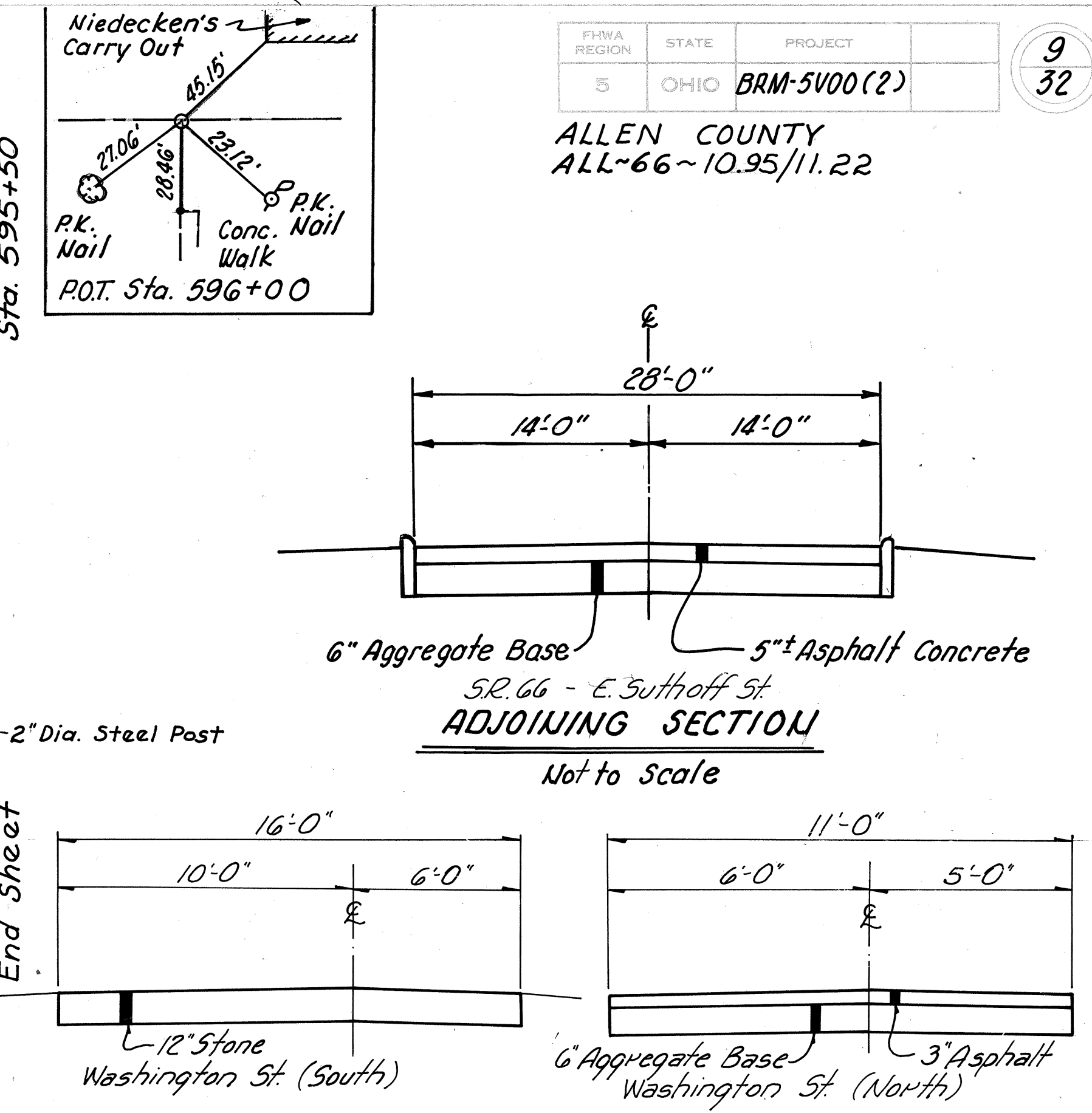
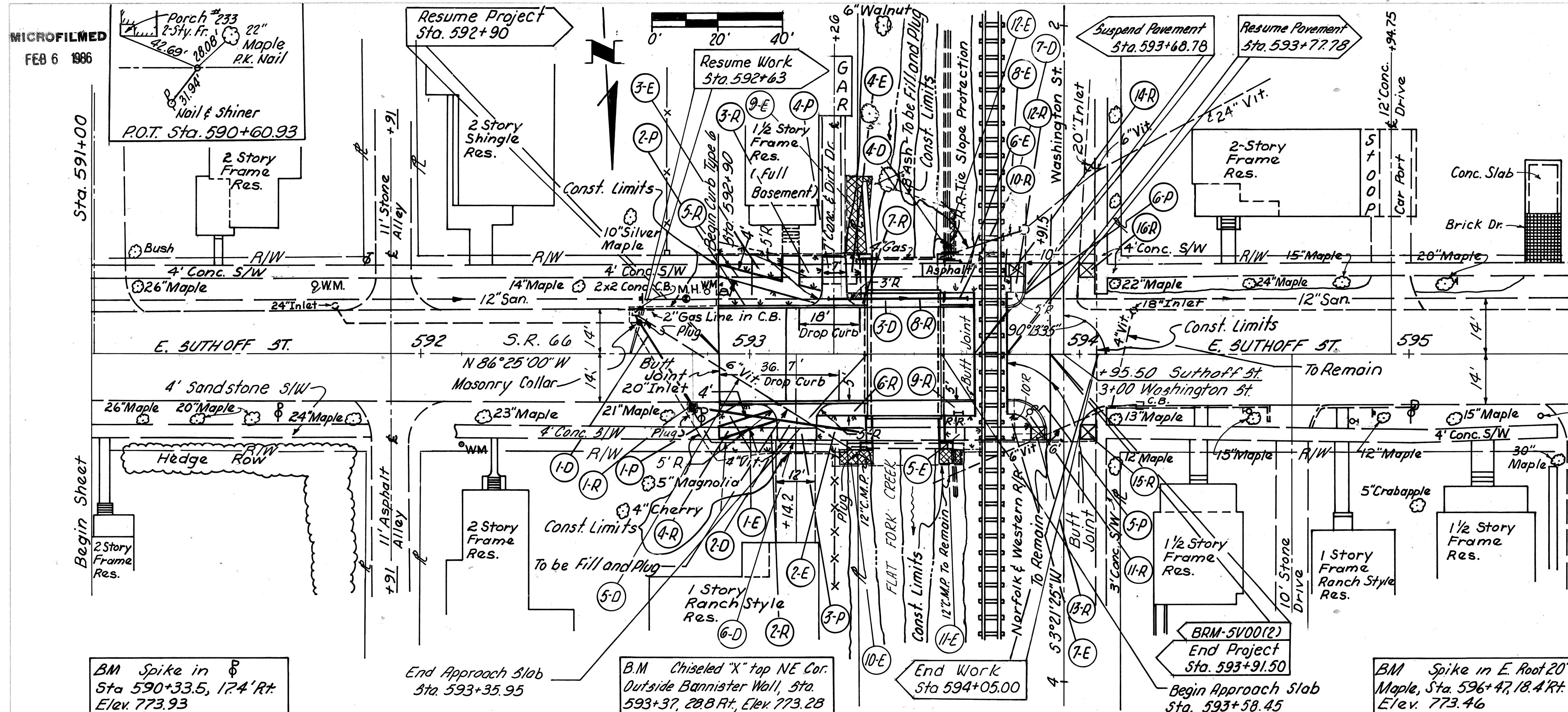
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32

ALLEN COUNTY
ALL-66-10.95/11.22

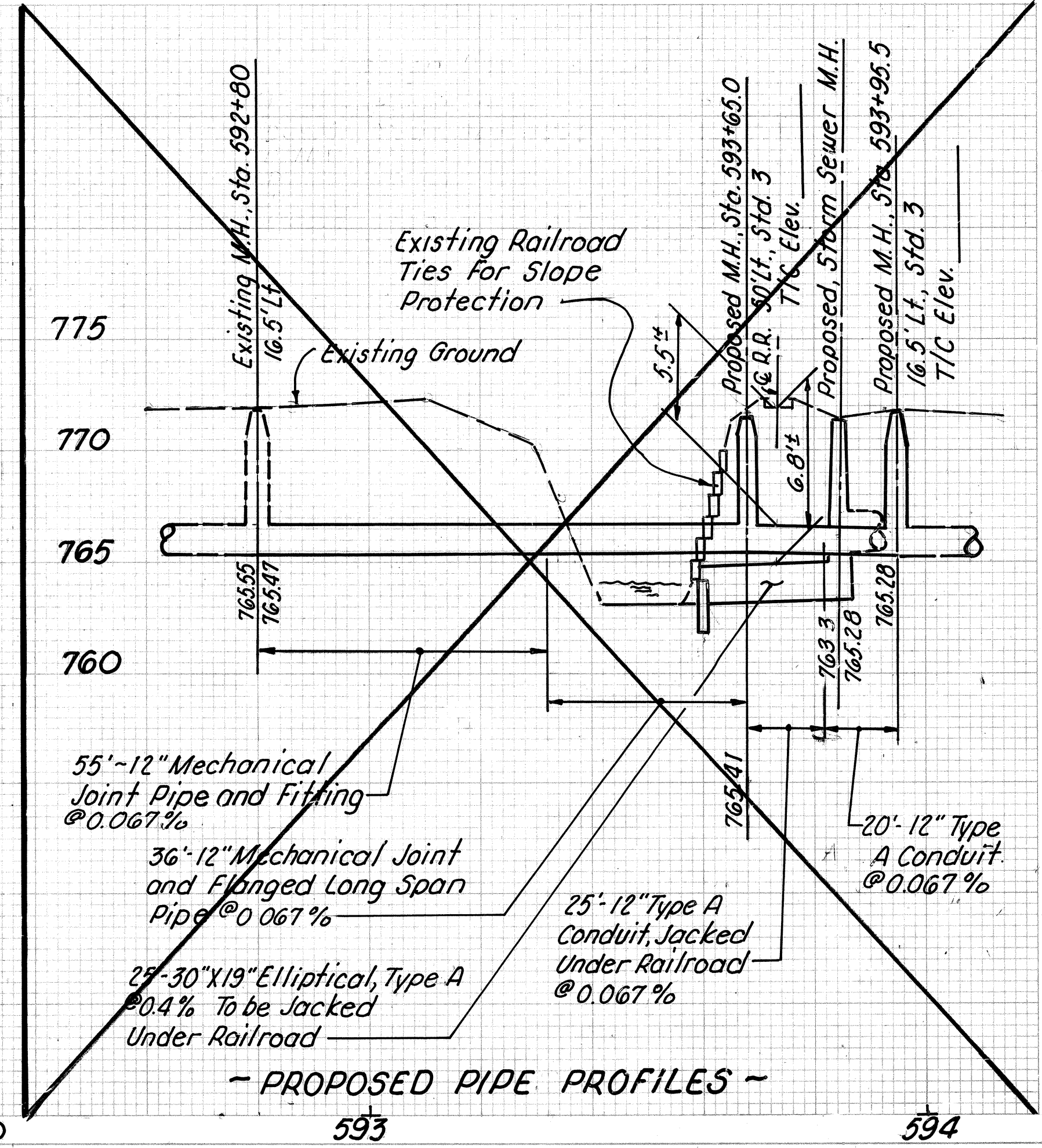
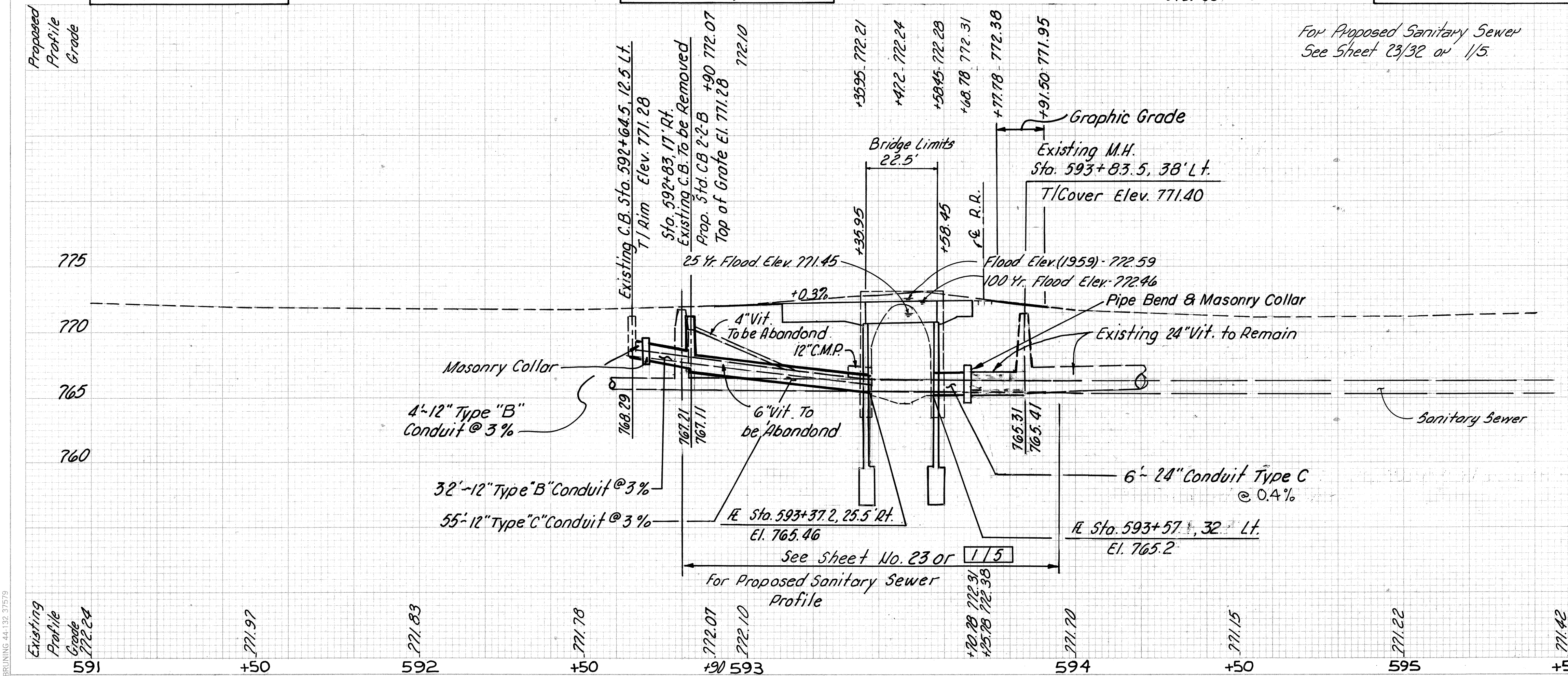


INTERSECTION DETAIL
Scale 1"=20'





ADJOINING SECTIONS
Not to Scale



PROPOSED PIPE PROFILES -

END
WIDTH
SQ.
YDS.

70 60 50 40 30 20 10 0 10 20 30 40 50

FHWA REGION	STATE	PROJECT
5	OHIO	BRM-SV00(2)

10
32

ALLEN COUNTY
ALL~66~10.95/11.22

Calc. by AAH Date 2/81
Checked By DFC Date 2/81

60 70

END AREA		VOLUME	
CUT	FILL	CUT	FILL

End Full depth pavement
@ Hunt St. South of
Hunt Street Centerline
Butt Joint

End Full Depth pavement @ Hunt St.
North of Hunt Street Centerline

Hunt Street

773.73
578+25.83
773.54

+25.83 Ahead
+25.83 Back

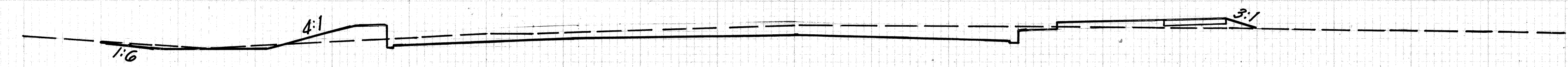
31 8
50 8

39 9

775

770

32 10



773.60
578+00
773.44

Sta. 577+70, Rt.
Std. CB-6
Top of Grate
Elev. 773.27

Sta. 577+70, Rt. 17'±
Std. No. 1 M.H.
T/C Elev. 773.70

40' Rt.

7%

Item 411 Stabilized Crushed Aggregate

Drive Rt.

773.56
577+92
4'-12" Type "C"
Conduit @ 1%
769.52
769.48

Ex. 12"

Begin Earthwork Sta. 577+60

32 10
0 0

BEGIN PROJECT AND WORK STA. 577+60.00

775

770

577+50
773.58

775

770

577+00
773.77

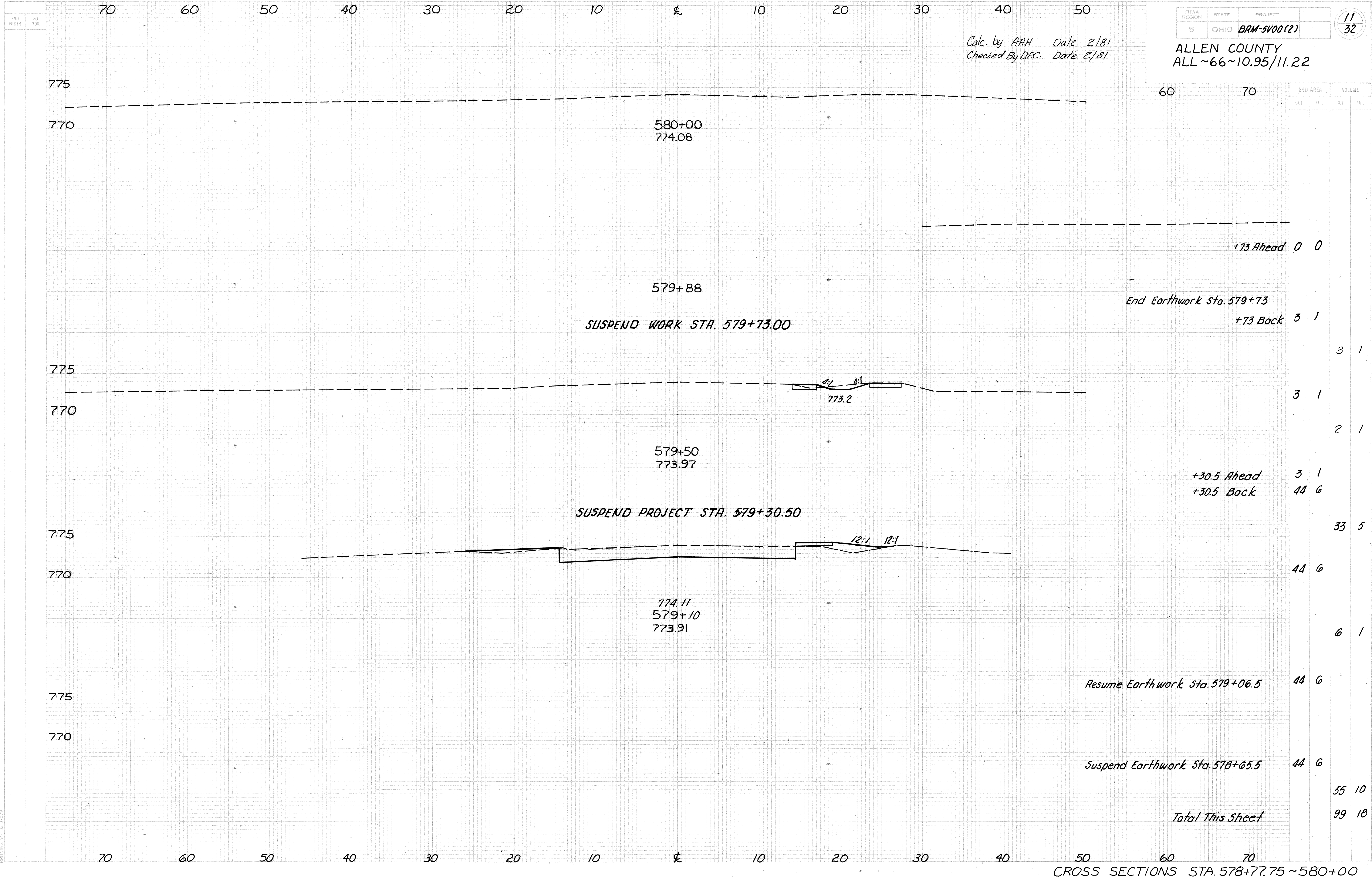
Total This Sheet

86 24

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CROSS SECTIONS STA. 577+00~578+25.83

BRUNING 44.132 27579



END
WIDTH
SQ.
YDS.

Calc. by AAH Date 2/81
Checked By DFC. Date 2/81

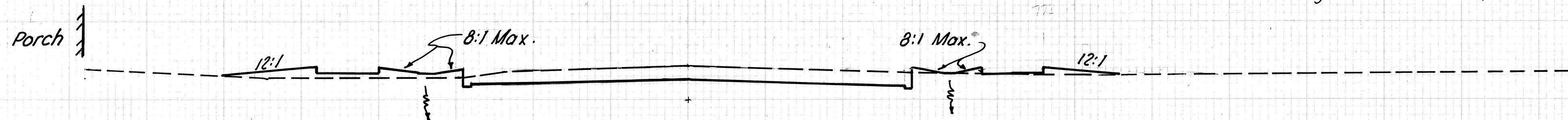
FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00(2)

12
32

ALLEN COUNTY
ALL ~66 ~10.95/11.22

775

770



772.10

593+00

772.10

RESUME PROJECT STA. 592+90.00

Begin Earthwork Sta. 592+90, Ahead 29 4
Back 0 0

775

770

RESUME WORK STA. 592+63.00

592+50

771.78

775

770

592+00

771.83

775

770

591+91 (11' Stone Alley)
771.85

775

770

591+50

771.97

775

770

591+00

772.24

Total This Sheet

11 1

70

60

50

40

30

20

10

±

10

20

30

40

50

60

70

CROSS SECTIONS STA. 591+00 ~ 593+00

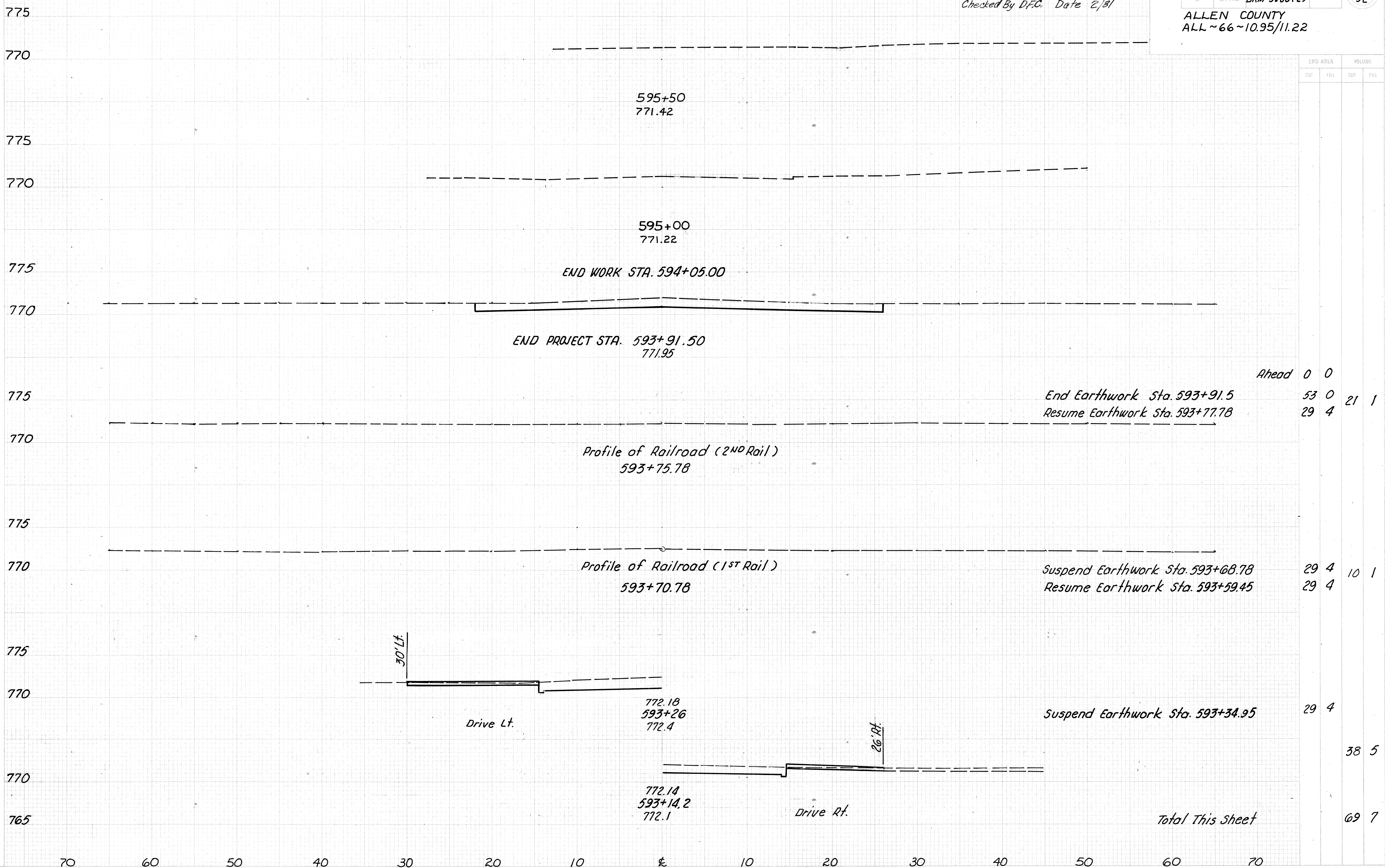
BRUNING 44132 37579

Calc. By AAH Date 2/81
Checked By DFC. Date 2/81

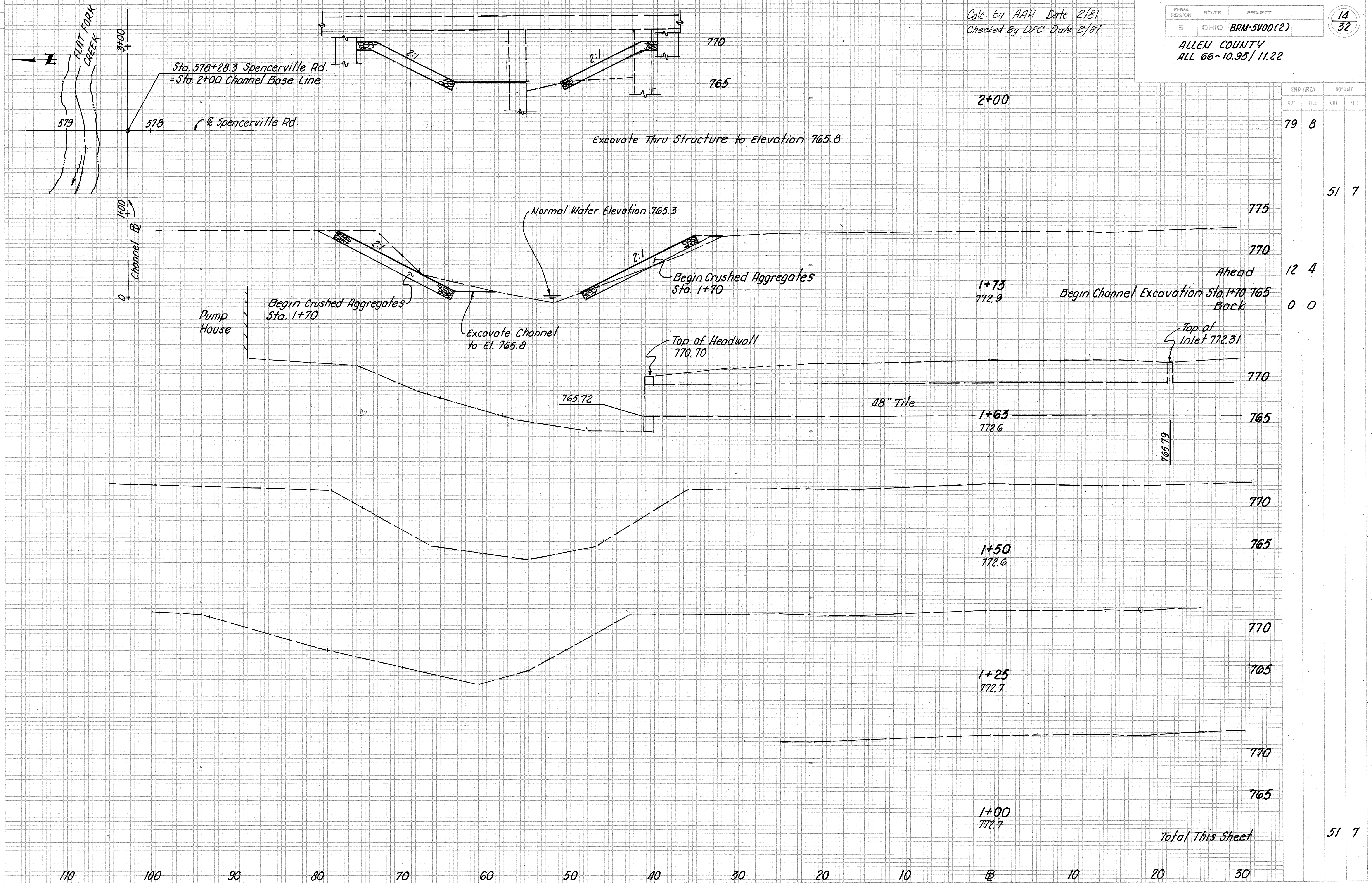
FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00(2)

ALLEN COUNTY
ALL ~66~10.95/11.22

13
32



ALLEN COUNTY
ALL 66-10.95/11.22



END
WIDTH
SO.
YDS.

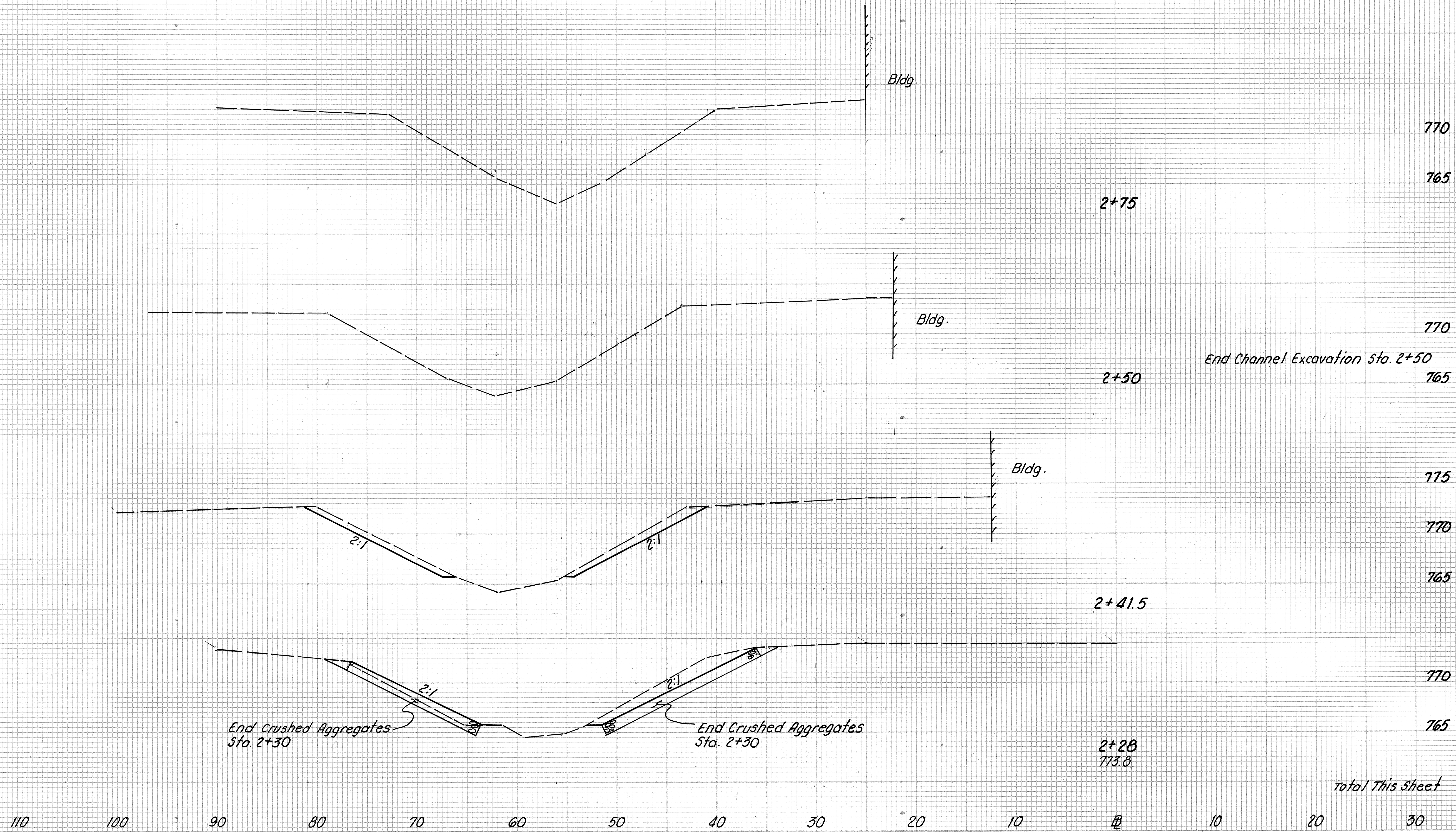
Calc. by AAH Date 2/81
Checked By D.F.C. Date 2/81

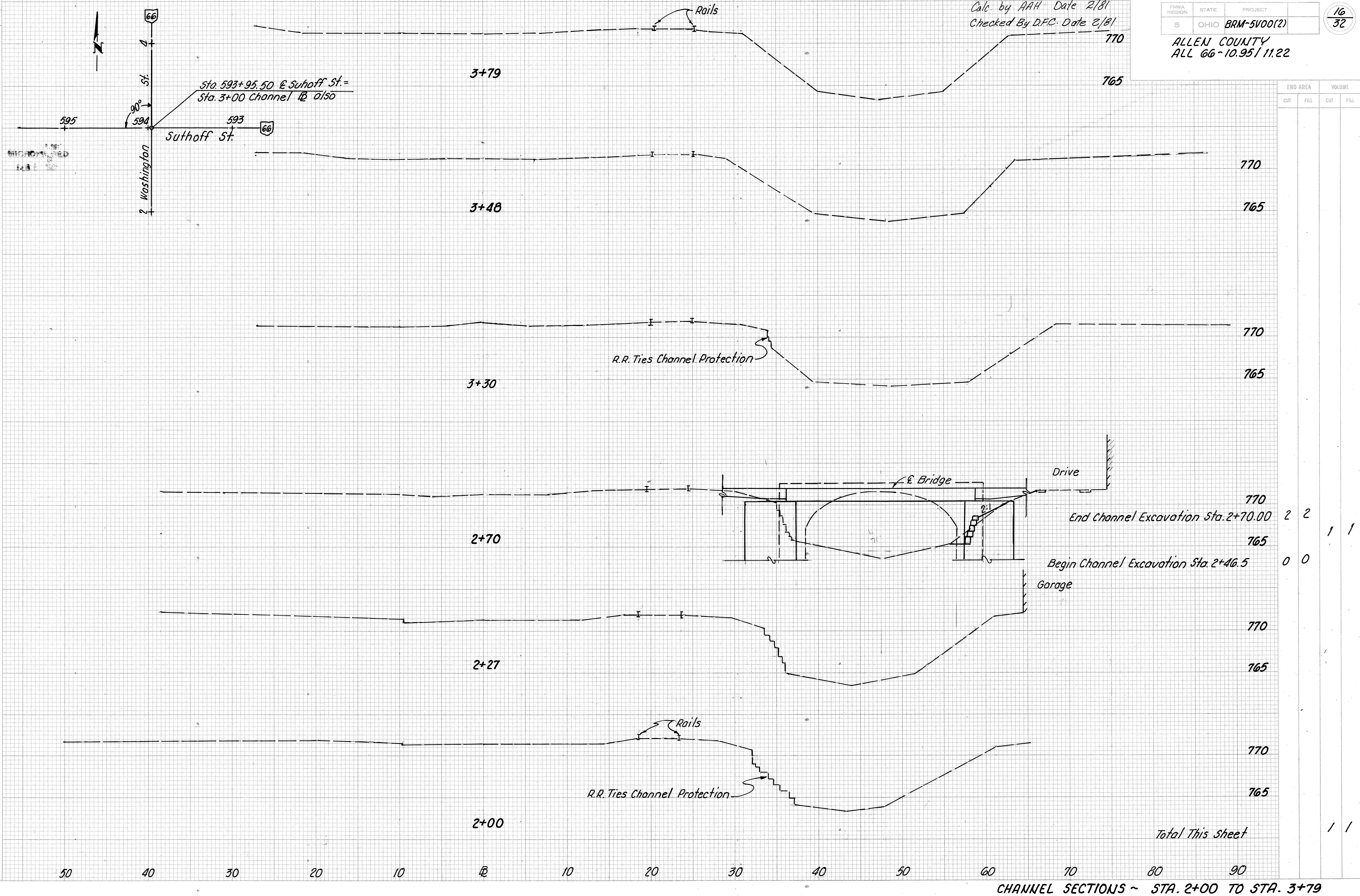
FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00 (2)

15
32

ALLEN COUNTY
ALL 66-10.95/11.22

END AREA		VOLUME	
CUT	FILL	CUT	FILL





579+00

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5V00(2)	



This technical drawing illustrates the cross-section of a bridge and its approach slabs. The bridge spans 39'-0" with 38'-0" of clear bearings. The approach slabs are 25'-0" wide (typical) and feature a 2:1 slope. The drawing includes the following details:

- Bridge Limits:** 39'-0" total length.
- Approach Slabs:** 25'-0" wide (typical) on the left and 30'-0" wide on the right, including crushed aggregates.
- Bearings:** 38'-0" clear bearings between the rear and forward abutments.
- Abutments:**
 - Rear Abutment: Bearings & Beam Bearings Sta. 578+67.00.
 - Forward Abutment: Bearings & Beam Bearings Sta. 579+05.00.
- Key Features:**
 - Deflector Parapet Joint (13'-0" from rear abutment).
 - Parapet Deflection Joint (13'-0" from forward abutment).
 - End Approach Slab: Sta. 578+66.50.
 - Begin Approach Slab: Sta. 579+05.50.
 - SPENCERVILLE ROAD (Survey line).
 - 6" Integral Curb on the left.
 - 14'-0" and 14'-6" dimensions for the approach slab widths.
 - 2:1 Slope for the approach slabs.
 - 14'-6" dimension for the bridge deck width.
 - 5'-0" dimension for the road shoulder width.
 - 36'-0" Plus Beam Fit-Up dimension for the road width.
 - Scale: 3/16" = 1'-0".
 - North arrow pointing towards the top right.

[illegible]

For Sections A-A and B-B See Sheet 6/6
For Sidewalk Railing Detail See Sheet 5/6

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED-DATE	REVISED
A.A.H.	A.A.H.	J.D.	R.E.N.		

MICROFILMED
FEB 6 1986

GENERAL NOTES

REFERENCE SHALL BE MADE TO STANDARD DRAWINGS:

BR-2-67 REVISED 10-15-71
PSBD-1-71 DATED 9-1-71, SHEETS 1,2,& 3
BR-1 DATED 5-29-79

AND TO SUPPLEMENTAL SPECIFICATIONS

836 DATED 3-12-75

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS, 1977, INCLUDING THE 1978, 1979, 1980 INTERIM SPECIFICATION AND THE OHIO "SUPPLEMENT" TO THESE SPECIFICATIONS.

DESIGN DATA:

DESIGN LOADING - HS20-44 AND THE ALTERNATE MILITARY LOADING
CONCRETE CLASS S - UNIT STRESS 1200 PSI FOR SUPERSTRUCTURE
CONCRETE CLASS C - UNIT STRESS 1333 PSI FOR SUBSTRUCTURE
REINFORCING STEEL - ASTM A615, A616 OR A617-UNIT STRESS 20,000 PSI
CONCRETE FOR PRE-STRESSED CONCRETE BEAMS - UNIT STRESS 2,200 PSI COMPRESSION 440 PSI TENSION

PRESTRESSING STRANDS
ASTM A416 - F'S = 270,000 PSI
INITIAL STRESS = 0.70 F'S
DECK PROTECTIVE METHOD - MEMBRANE WATERPROOFING AND ASPHALT CONCRETE OVERLAY

REMOVAL OF EXISTING STRUCTURES:

WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC THE EXISTING STRUCTURE SHALL BE REMOVED. THE PEDESTRIAN CROSSING SHALL BE CAREFULLY DISMANTLED AND THE USABLE PARTS STORED WITHIN THE PROJECT LIMITS FOR REMOVAL BY CITY FORCES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 202, STRUCTURES REMOVED.

PILES SHALL BE DRIVEN TO BEDROCK. THE BEARING CAPACITY SHALL BE CONSIDERED OBTAINED BY REFUSAL ON HARD BEDROCK OR BY PENETRATING SOFT BEDROCK FOR SEVERAL INCHES WITH A MINIMUM RESISTANCE OF 20 BLOWS PER INCH. THE DESIGN LOAD IS 25 TONS PER PILE FOR THE ABUTMENT PILES.

UTILITY LINES: UNLESS OTHERWISE SHOWN ON THE PLANS, ALL EXPENSE INVOLVED IN RELOCATING THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE OWNERS. THE CONTRACTOR AND OWNERS ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

GENERAL SUMMARY

ITEM	TOTAL	UNIT	DESCRIPTION	ABUTMENTS	SUPER-STRUCTURE	GENERAL
202	Lump	Lump	Structures Removed			Lump
403	6	C.Y.	Asphalt Concrete (AC-20)		6	
404	4	C.Y.	Asphalt Concrete (AC-20)		4	
503	80	C.Y.	Unclassified Excavation	80		
505	Lump	Lump	Test Pile			Lump
507	180	L.F.	Steel Piles, HP 10 X 42	180		
509	7979	Lb.	Reinforcing Steel	6499	1480	
510	10	Each	Dowel Holes		10	
511	15	C.Y.	Class S Concrete, Superstructure		15	
511	50	C.Y.	Class C Concrete, Abutments	50		
512	127	S.Y.	Type D Waterproofing		127	
515	9	Each	Prestressed Concrete Bridge Members		9	
516	97	S.F.	1" Preformed Expansion Joint Filler	97		
516	13	S.F.	1/2" Preformed Expansion Joint Filler	13		
516	36	Each	1 1/4" X 5" X 6" Laminated Elastomeric Bearings	36		
516	18	Each	1/8" Preformed Bearing Pads, 711.21	18		
516	85	L.F.	Joint Sealer	76	6	
517	39	L.F.	Railing, (Concrete Parapet with Double Pipe Rail)		39	
518	11	C.Y.	Porous Backfill	11		
601	213	S.Y.	Crushed Aggregate Slope Protection			213

FHWA REGION	STATE	PROJECT
5	OHIO	BAM-5V00(2)

19
32

ALLEN COUNTY
ALL 66-10.95/11.22

REINFORCING STEEL LIST

MARK	NO.	LENGTH	WEIGHT	SHAPE	A	B	C	D		BENDING DIAGRAM
~ ABUTMENTS ~										
A1001	12	19'-11"	1028	St.						
A1002	4	24'-0"	413	St.						
A801	16	23'-3"	993	St.						
D801	36	8'-5"	809	3	0'-8"	2'-4"	1'-6"	4'-3"		
A601	10	2'-5"	36	St.						
A501	20	22'-10"	476	St.						
A502	78	9'-6"	773	2	2'-8"	2'-7"	4'-6"			
A503	78	6'-7"	536	2	2'-8"	2'-1"	2'-1"			
A504	78	5'-3"	427	1	0'-10 1/2"	4'-6"				
A505	66	5'-3"	361	2	2'-2"	1'-8"	1'-8"			
A506	4	18'-7"	78	St.						
A507	16	3'-5"	57	St.						
A508	4	9'-0"	38	St.						
A509	12	1'-1"	14	St.						
A510	4	5'-2"	22	St.						
A511	4	4'-6"	19	St.						
A512	16	3'-3"	54	St.						
A513	16	4'-3"	71	St.						
A514	4	4'-0"	17	St.						
A515	4	3'-1"	13	St.						
A516	4	4'-0"	17	St.						
A517	4	2'-1"	9	St.						
A518	4	1'-6"	6	St.						
A401	64	5'-5"	232	2	1'-9"	1'-11"	1'-11"			
~ SUPERSTRUCTURE ~										
S401	5	38'-8"	129	St.						
S501	26	13'-6"	366	4	5'-10"	0'-9"	0'-11"			
S502	10	38'-8"	403	St.						
S503	24	6'-3"	156	8	8"	2'-6"				
S504	4	38'-8"	161	St.						
S505	27	4'-2"	117	9	See Bending Diagram					
S506	27	5'-3"	148	10	See Bending Diagram					
~ RAILING ~										
R501	8	3'-3"	27	5	6 1/2"	1'-6"	1'-6"			
R502	4	6'-7"	27	6	See Bending Diagram					
R503	4	8'-7"	36	7	4'-8"	3'-6"				
R504	8	8'-3"	69	8	8"	3'-6"				
R505	4	4'-8"	19	St.						
R506	4	38'-8"	161	St.						

REINFORCING STEEL SAMPLES: Refer to CMS Sections 106.03, 700, 709.01 through 709.05 and 709.08. Sufficient additional reinforcing steel shall be replaced in the structures by the additional steel, spliced in accordance with 509.08.

NOTE: Payment For Railing Reinforcement shall be included in pay item 517 Railing.

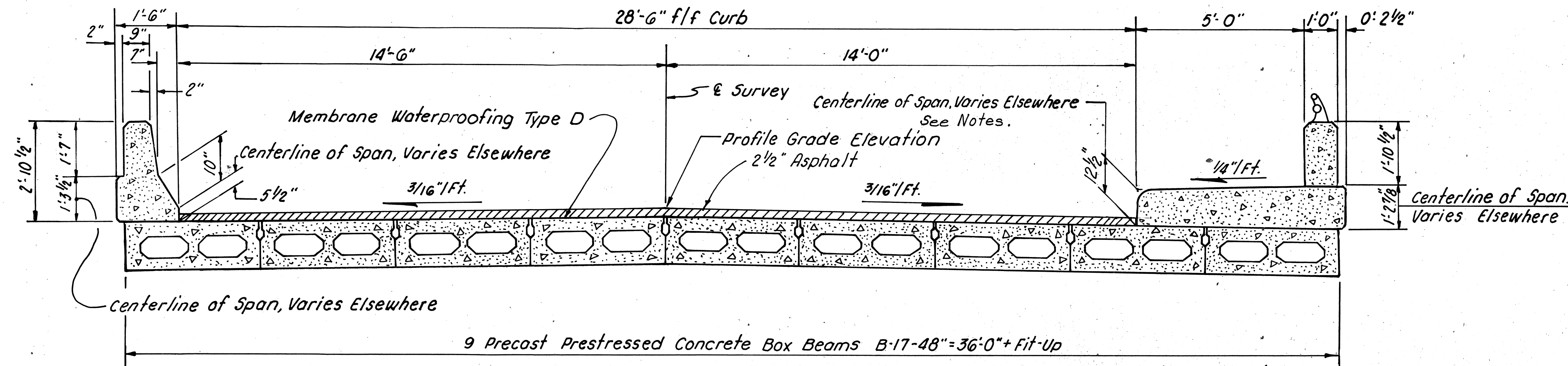
CLYDE E. WILLIAMS & ASSOC. INC. 3/6
3620 N. HIGH ST. COLUMBUS, OHIO

GENERAL NOTES
GENERAL SUMMARY
REINFORCING STEEL LIST
BRIDGE NO. ALL 66-1096
OVER
FLAT FORK CREEK

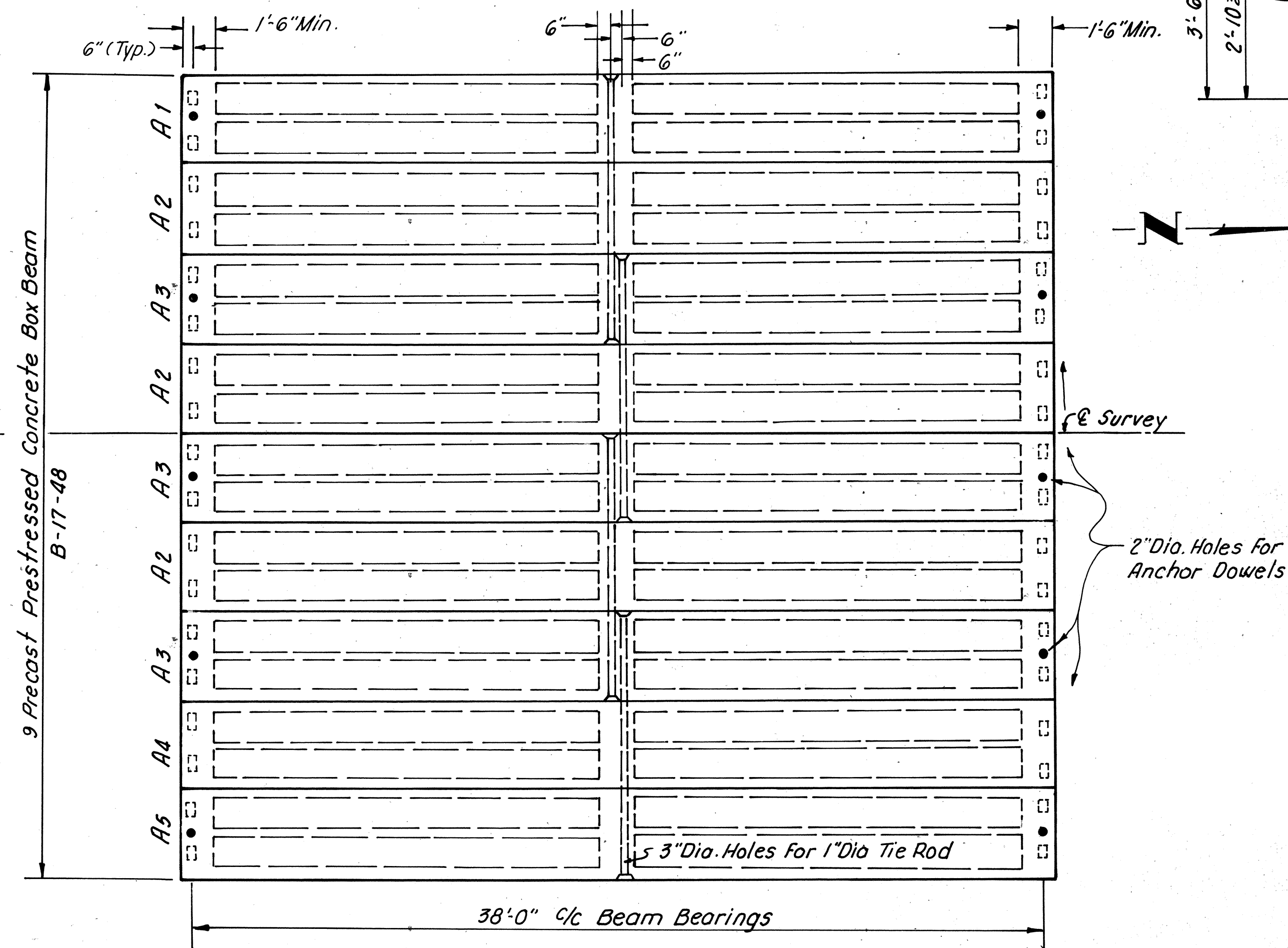
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED - DATE	REVISED
A.A.H.	J.D.	J.D.	R.E.N.		

SECTION C-C

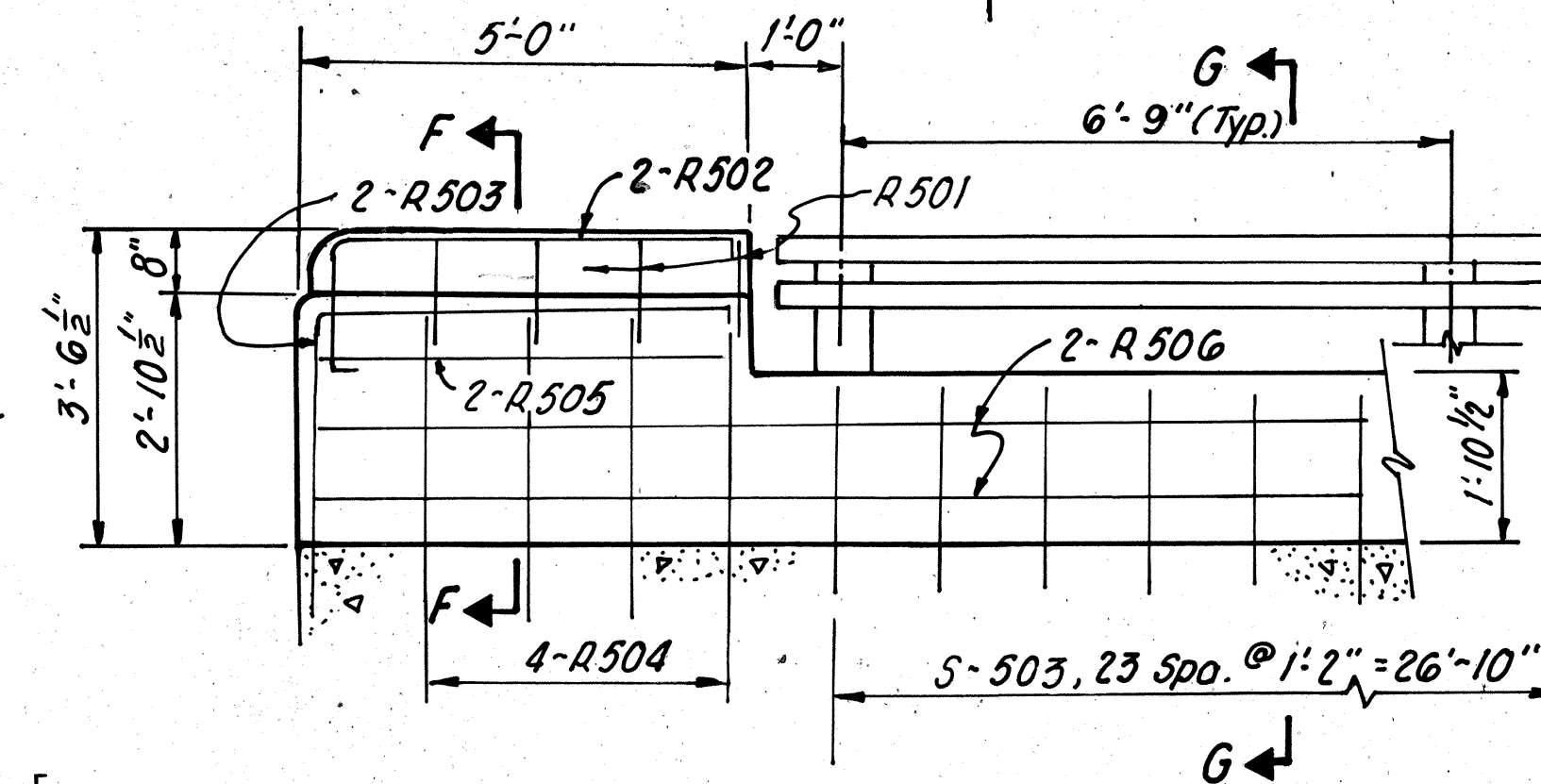
ALLEN COUNTY
 ALL 66-10.95/11.22



TRANSVERSE CROSS SECTION
 Scale: 1/2" = 1'-0"

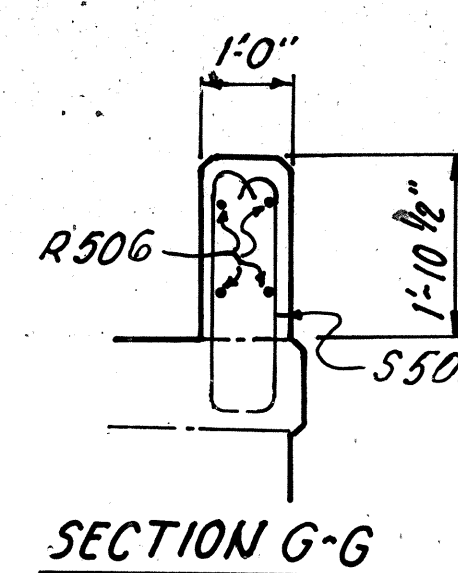


PLAN
 Scale: 1/4" = 1'-0"

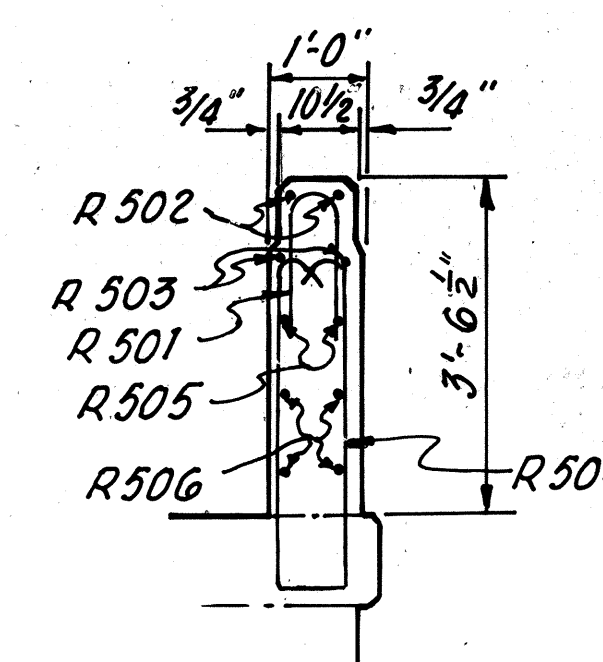


ELEVATION OF RAILING
 Scale: 1/2" = 1'-0"

For Additional Bridge Railing Details See
 Standard Drawings BR-2-67
 Except That Guard Rail Anchor Bolts Are
 Not Required, At Ends Of Parapets.



SECTION G-G



SECTION F-F

ASPHALT CONCRETE SURFACE COURSE SHALL CONSIST OF A VARIABLE THICKNESS OF 403 AND A 1-1/4" THICKNESS OF 404. THE 403 SHALL BE PLACED IN TWO OPERATIONS. THE FIRST COURSE SHALL BE 1-1/4" UNIFORM THICKNESS. THE SECOND COURSE SHALL BE FEATHERED TO PLACE THE SURFACE PARALLEL TO AND 1-1/4" BELOW FINAL PAVEMENT SURFACE ELEVATION.

CALCULATED CAMBER AT TIME OF PAVING, INCLUDING ALLOWANCE FOR CAMBER GROWTH DUE TO CREEP, IS 1-3/8" CALCULATED DEFLECTION DUE TO WEIGHT OF SURFACE COURSE, IS 1/8".

NET FINAL CAMBER OF BEAM IS 1-1/4". THIS IS 1-1/4" IN EXCESS OF THE AMOUNT REQUIRED TO PLACE THE TOP OF THE BEAM PARALLEL TO PROFILE GRADE. THIS EXCESS AMOUNT SHALL BE COMPENSATED FOR BY THICKENING THE 403 LEVELLING COURSE FROM 1-1/4" AT CENTER OF SPAN TO 2-1/2" AT ENDS OF SPAN.

CALCULATED DEFLECTION DUE TO WEIGHT OF SIDEWALK AND SIDEWALK PARAPET, BEAM NO. A5, IS 5/8".

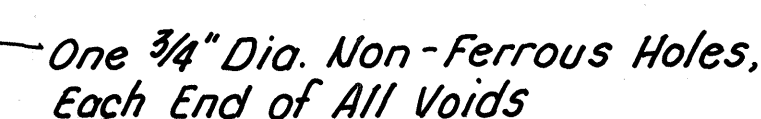
CALCULATED DEFLECTION DUE TO WEIGHT OF SIDEWALK AND SURFACE COURSE, BEAM NO. A4, IS 1/4".

CALCULATED DEFLECTION DUE TO WEIGHT OF DEFLECTOR PARAPET, BEAM NO. A1, IS 3/8".

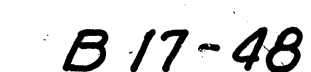
NET FINAL CAMBER OF BEAM A5, IS 3/4" AND OF BEAM A4, IS 1 1/8", AND OF BEAM A1, IS 1". THESE CAMBERS ARE 3/4", 1 1/8", AND 1" RESPECTIVELY, IN EXCESS OF THE AMOUNT REQUIRED TO PLACE THE TOP OF THE BEAM PARALLEL TO PROFILE GRADE. THIS EXCESS AMOUNT SHALL BE COMPENSATED FOR BY THICKENING THE CONCRETE FROM 12 1/2" (CURB DIMENSION) AT CENTER OF SPAN TO 13 5/8" (CURB DIMENSION) FOR BEAM A4 AND BY THICKENING THE BASE OF THE DEFLECTOR PARAPET FROM 5 1/2" (CURB DIMENSION) AT CENTER OF SPAN TO 6 1/2" (CURB DIMENSION) FOR BEAM A1 AT ENDS OF SPAN.

CLYDE E. WILLIAMS & ASSOC., INC. 5/6					
3620 N. HIGH ST. COLUMBUS, OHIO					
SUPERSTRUCTURE DETAILS					
BRIDGE NO. ALL 66-1096					
OVER					
FLAT FORK CREEK					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED-DATE	REVISED
A.A.H.	A.A.H.	J.D.	R.E.U.		

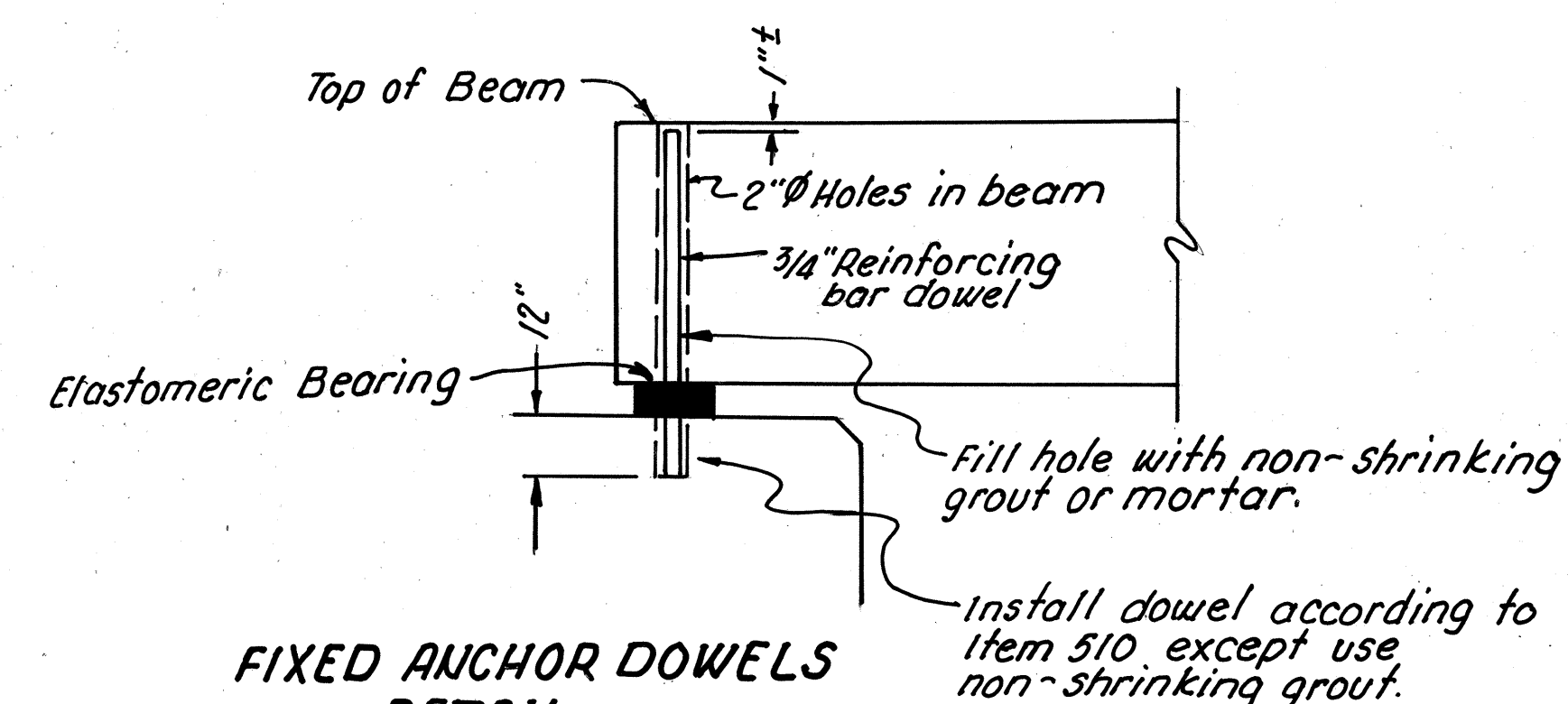
ALLEN COUNTY
ALL 66-10.95/11.22



ELEVATION



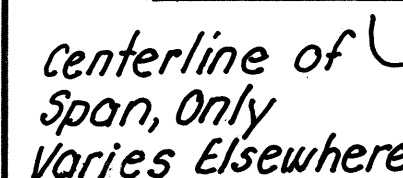
- + Indicates Strand Location
- Indicates Debonded Strand Location For Length of 1'-6"
- Indicates Debonded Strand Location For Length of 2'-6"



**FIXED ANCHOR DOWELS
DETAIL**

not to scale

The cement, sand and water shall be mixed first, after which the admixture shall be added. Batch size shall be limited so placement can be completed within 30 minutes. Water shall not be added to increase flowability which has been decreased by delayed use of mortar.



SECTION B-B

See Sheet 276 For Location of Section B-B

CONCRETE STRESSES

Min. Concrete Strength at 28 days $f'_c = 5500$ psi
Min. Concrete Strength at time of initial
Prestress $f_{ci} = 4000$ psi

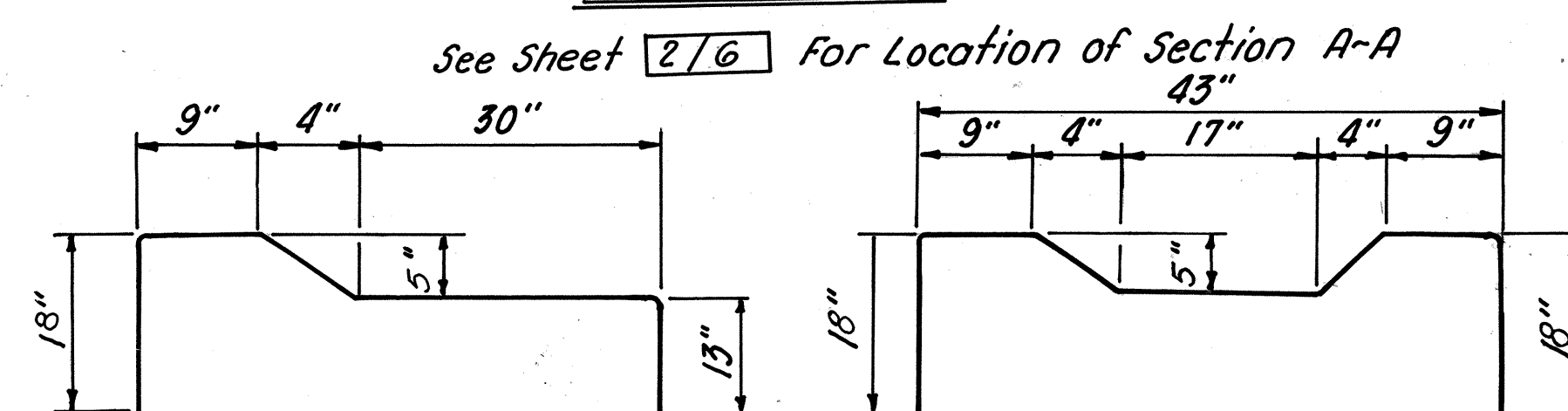
PRESTRESSING STRANDS

1/2" Dia. 270,000 Lb. Seven wire, uncoated,
Stress- Relieved Strands $A_s = 0.154$ Sq. In.
Initial Tension = 28,900 Lbs./strand



SECTION A-A

See Sheet 2/6 For Location of Section A-A



B 404

B 403

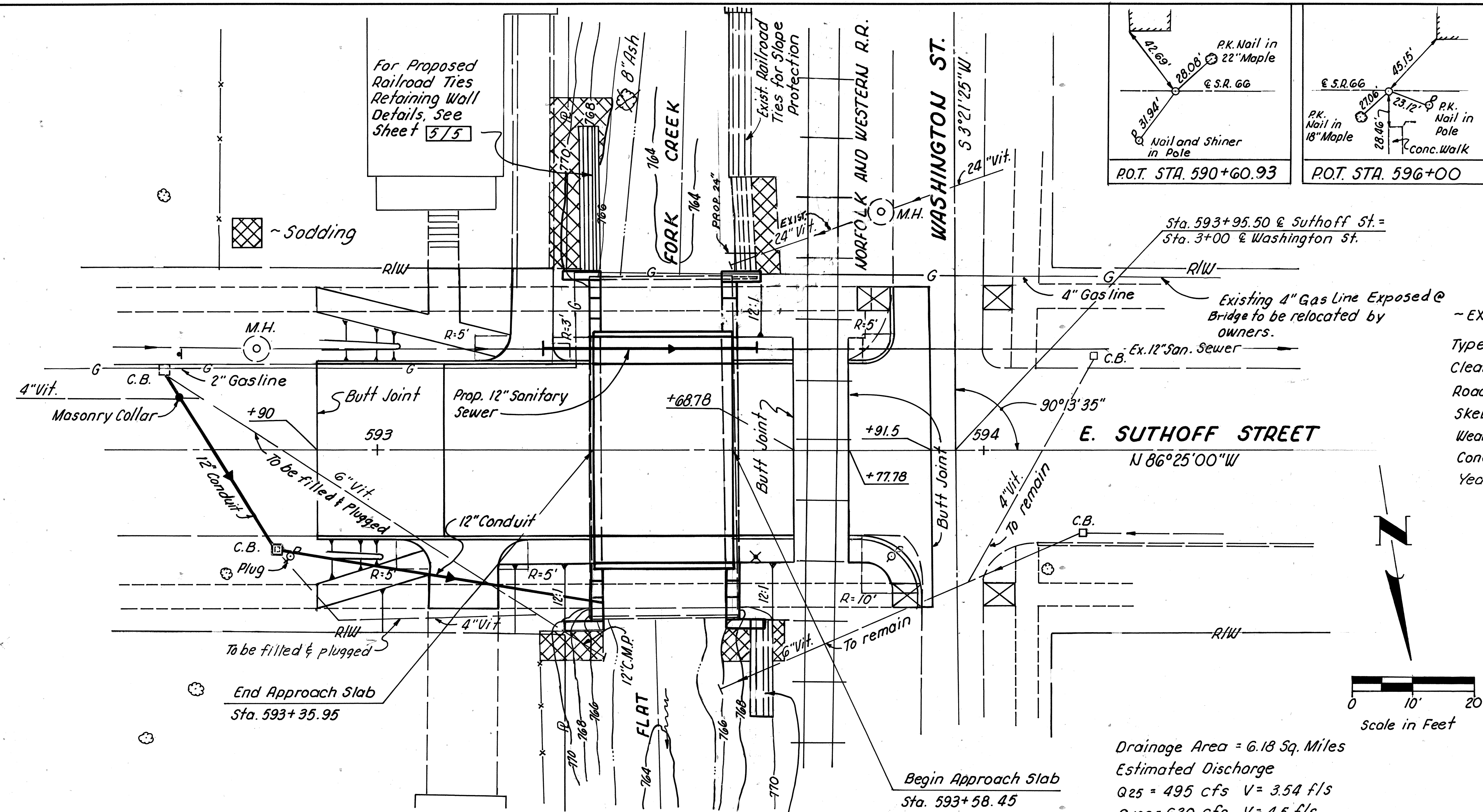
BRIDGE NO. ALL 66-1096
OVER
FLAT FORK CREEK

MICROFILMED
FEB 6 1986

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5V00(2)	

23
32

ALLEN COUNTY
ALL. 66-10.95 / 11.22



~ EXISTING STRUCTURE ~
Type: Single Span Concrete Arch
Clear Span: 18'-0"
Roadway: 54'-0" F/F Parapet
Skew: None
Wearing Surface: Bituminous Concrete
Condition: Poor
Year Built: 1912

~ TRAFFIC DATA ~
1980 ADT = 3193
2000 ADT = 4468
2000 ADTT = 340

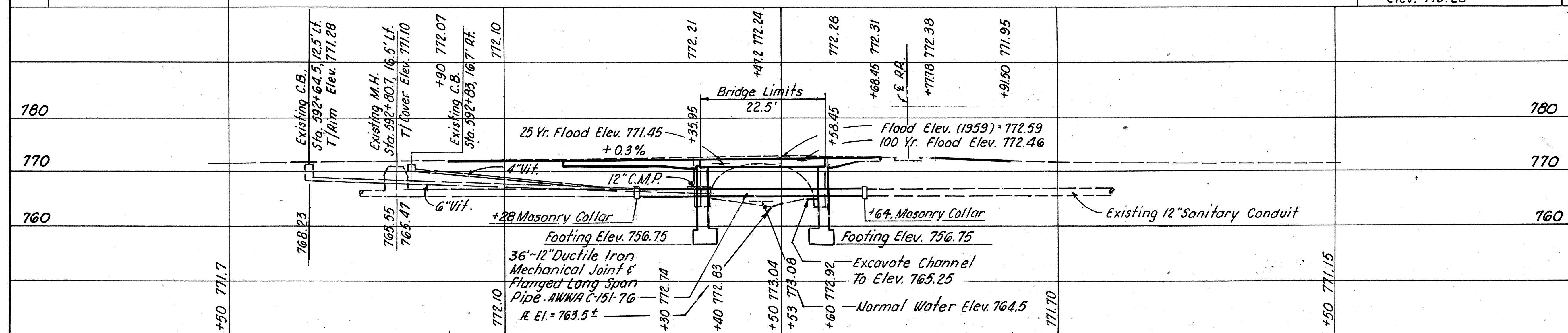
NOTE: Earthwork Limits shown are approximate. Actual slopes shall conform to plan cross sections.

Drainage Area = 6.18 Sq. Miles
Estimated Discharge
Q₂₅ = 495 cfs V = 3.54 f/s
Q₁₀₀ = 630 cfs V = 4.5 f/s

BENCH MARK
Spike in Power Pole
Sta. 590+33.5, 17.4' Rt.
Elev. 773.93

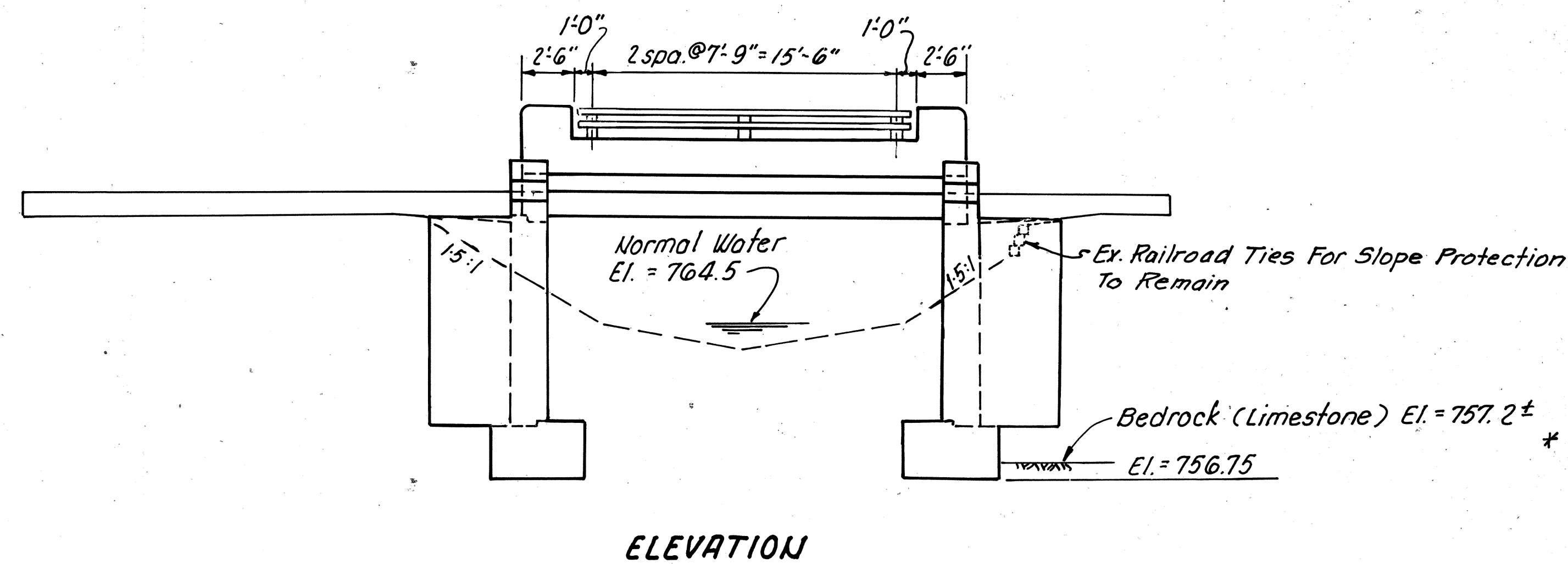
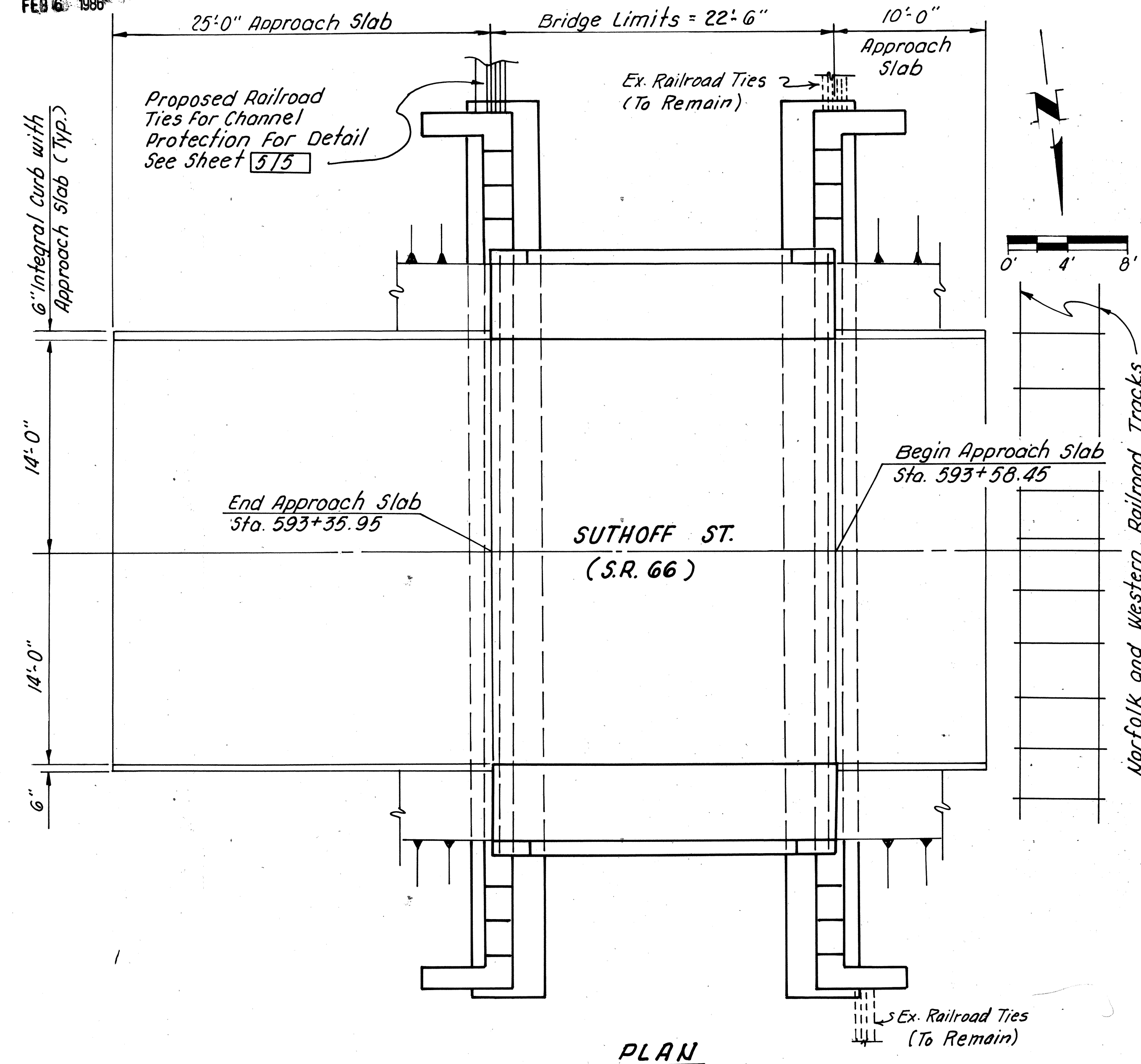
For Proposed Storm Sewer
Profile See Sheet No. 32

BENCH MARK
Chiseled X Top N.E. Corner
Outside Bannister Wall,
Sta. 593+37, 28.8 Rt.
Elev. 773.28



PROPOSED STRUCTURE	
TYPE: Single Span Concrete Slab	
SPAN: 20' F/F Abutment	
ROADWAY: 28'-0" F/F Curb, 5'-0" Sidewalk Both Sides	
LOADING: HS-20-44 and Alternate Military Loading	
SKEW: None	
WEARING SURFACE: 2 1/2" Asphalt Concrete	
APPROACH SLAB: AS-1-72 (25' Long East Side, 10' Long West Side)	
ALIGNMENT: Tangent	
CLYDE E. WILLIAMS ASSOC. INC. 1/5 3620 N. HIGH ST. COLUMBUS, OHIO	
SITE PLAN	
BRIDGE NO. ALL. 66-1124 OVER FLAT FORK CREEK	
MARION TOWNSHIP STATE ROUTE 66 ALLEN COUNTY	
DESIGNED A.A.H.	DRAWN A.A.H.
TRACED J.D.	CHECKED R.E.N.
REVIEWED DATE	REVISED

MICROFILMED
FEB 6 1986



GENERAL NOTES

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5V00 (2)	

ALLEN COUNTY
ALL 66-10.95/11.22

REFERENCE SHALL BE MADE TO STANDARD DRAWINGS BR-2-67
REVISED 10-15-71, AS-1-72, DATED 6-30-72 AND SUPPLEMENTAL
SPECIFICATION 836 DATED 3-12-75.

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS, 1977, INCLUDING THE 1978, 1979, 1980 INTERIM SPECIFICATIONS AND THE OHIO "SUPPLEMENT" TO THESE SPECIFICATIONS.

DESIGN DATA

DESIGN LOADING - HS20-44 AND THE ALTERNATE MILITARY LOADING
CONCRETE CLASS S - UNIT STRESS 1,200 PSI FOR SUPERSTRUCTURE
CLASS C - UNIT STRESS 1,333 PSI FOR SUBSTRUCTURE

REINFORCING STEEL - ASTM A615, A616, OR A617 - UNIT STRESS
20,000 PSI.

DECK PROTECTIVE METHOD - MEMBRANE WATERPROOFING AND ASPHALT
CONCRETE OVERLAY.

REMOVAL OF EXISTING STRUCTURE: WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC THE EXISTING STRUCTURE SHALL BE REMOVED.

FOOTINGS SHALL EXTEND A MINIMUM OF 6" INTO BEDROCK OR TO THE ELEVATION SHOWN, WHICHEVER IS LOWER.

UTILITY LINES: ALL EXPENSE INVOLVED IN RELOCATING THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE OWNER(S). THE CONTRACTOR AND OWNER(S) ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

FOUNDATION BEARING PRESSURE SPREAD FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 4 TONS PER SQUARE FT.

GENERAL SUMMARY

ITEM	TOTAL	UNIT	DESCRIPTION	ABUTMENTS	SUPER-STRUCTURE	GENERAL	
Spec.	Lump	Lump	Railroad Ties Retaining Wall			Lump	
202	Lump	Lum	Structure Removed			Lump	
404	5	C.Y.	Asphalt Concrete (AC-20)		5		
503	Lump	Lump	Cofferdams, Cribbs and Sheeting			Lump	
503	337	C.Y.	Unclassified Excavation, Including Rock	337			
509	16,580	Lb.	Reinforcing Steel	6,252	10,328		
511	157	C.Y.	Class C Concrete, Abutments	157			
511	58	C.Y.	Class S Concrete, Superstructure		58		
512	70	S.Y.	Type D Waterproofing		70		
512	7	S.Y.	Type B Waterproofing		7		
516	24	S.F.	1/2" Preformed Expansion Joint Filler	18	6		
516	27	L.F.	Joint Sealer		27		
517	45	L.F.	Railing, (Concrete Parapet with Double Pipe Rail)		45		
518	38	C.Y.	Porous Backfill	38			

*NOTE: Item 503 Cofferdams, Cribbs and Sheeting is provided for the protection of the Norfolk and Western Railroad Tracks and also for the protection of the building located on the S.E. Corner of the bridge and shall be as specified under 503.03.**

CONSTRUCTION CLEARANCE OF 4'-6" Horizontally
from the center of tracks shall be maintained
all the time.

* To either minimize or eliminate the sheeting, the Contractor may arrange with the Norfolk and Western Railway Company to have the tracks either taken out of service or completely removed during construction of the West Abutment, the deck slab & the backfill (Prior to backfilling, the slab must be cured 511.14). If the arrangement involves removing the track, it must include its replacement and be at the Contractor's expense.

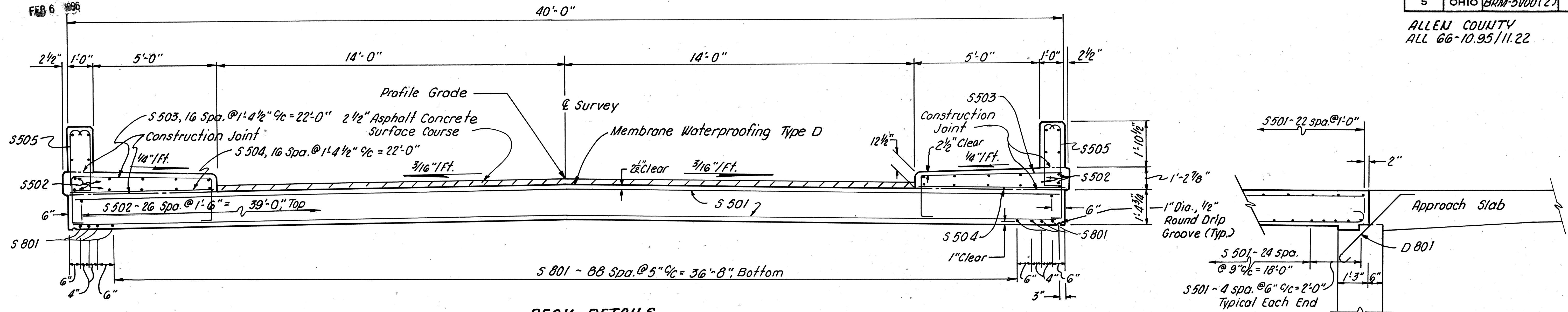
CLYDE E. WILLIAMS & ASSOC. INC. 2/5
3620 N. HIGH ST. COLUMBUS, OHIO

GENERAL PLAN
GENERAL NOTES
GENERAL SUMMARY
BRIDGE NO. ALL 66-1124
OVER
FLAT FORK CREEK

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED- DATE	REVISE
A.A.H.	A.A.H.	J.D.	R.E.N.		

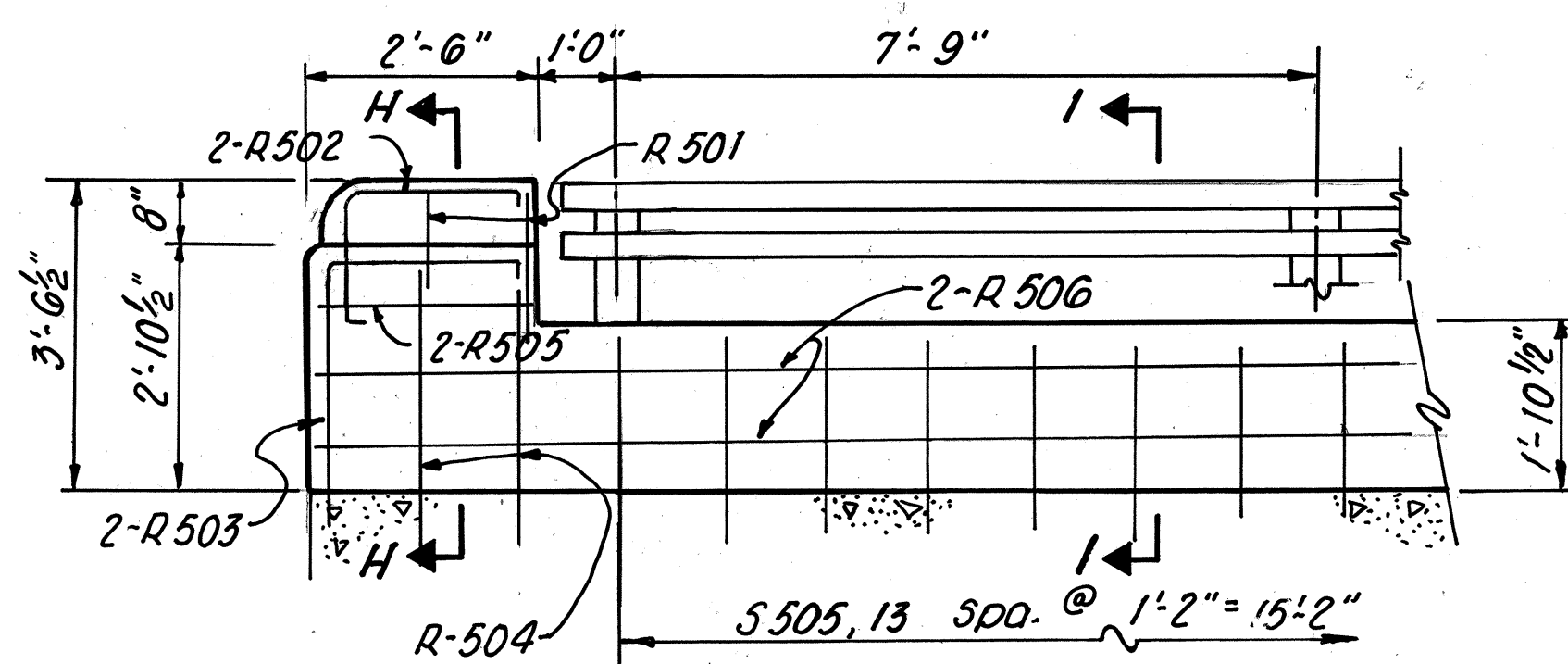
ALLEN COUNTY
ALL 66-10.95/11.22

MICROFILMED
FEB 6 1986

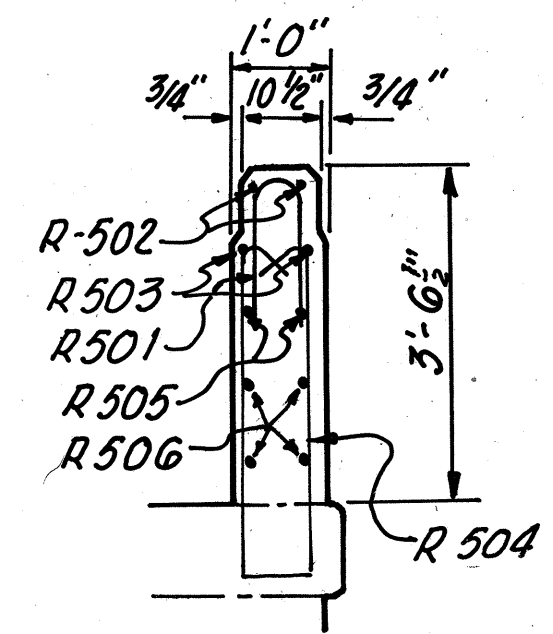
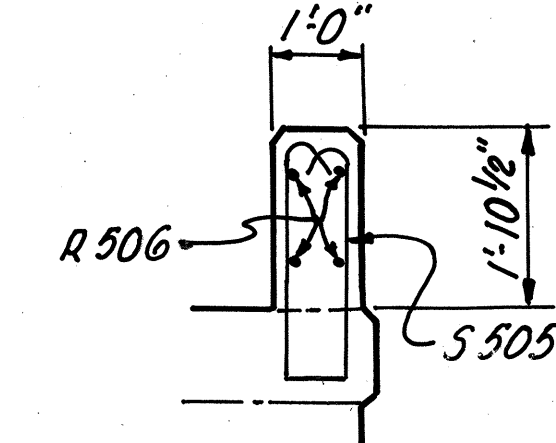


REINFORCING STEEL LIST

MARK	NO.	LENGTH	WEIGHT	SHAPE	A	B	C	D	BENDING DIAGRAM
~ ABUTMENTS ~									
D801	34	5'-2"	469	1	3'-8 1/2"	1'-1"			TYPE 1
A501	56	4'-7"	268	2	7 1/2"	4'-1"			TYPE 2
A502	56	10'-6"	613	St.					
A503	72	10'-0"	751	St.					
A504	56	29'-6"	1,723	St.					
A506	4	9'-9"	41	St.					
A507	4	12'-0"	50	St.					
A508	20	3'-6"	73	St.					
A509	8	2'-0"	17	St.					
A510	16	4'-6"	75	St.					
A511	4	4'-3"	18	St.					
A512	4	6'-6"	27	St.					
A513	16	2'-6"	42	St.					
A514	24	10'-4"	259	St.					
A515	84	6'-2"	540	2	7 1/2"	5'-8"			
A516	56	6'-2"	360	3	5'-2"	7 1/2"	7 1/2"		
A701	32	13'-11"	910	2	12"	13'-1"			
~ SUPERSTRUCTURE ~									
S801	95	24'-4"	6,172	4	22'-0"				
S501	56	39'-6"	2,307	St.					
S502	47	22'-2"	1,087	St.					
S503	34	10'-8"	378	5	5'-8"	2'-0"	2'-2"	7 1/2"	
S504	34	5'-8"	201	St.					
S505	28	6'-3"	183	6	8"	2'-6"			
~ RAILING ~									
R-501	8	3'-3"	27	7	6 1/2"	1'-6"	1'-6"		
R-502	8	4'-1"	34	8	See Bending Diagram				
R-503	8	6'-1"	51	9	2'-2"	3'-6"			
R-504	8	8'-3"	69	6	0'-8"	3'-6"			
R-505	8	2'-2"	18	St.					
R-506	8	22'-2"	185	St.					
~ RAILING ~									
R-501	8	3'-3"	27	7	6 1/2"	1'-6"	1'-6"		
R-502	8	4'-1"	34	8	See Bending Diagram				
R-503	8	6'-1"	51	9	2'-2"	3'-6"			
R-504	8	8'-3"	69	6	0'-8"	3'-6"			
R-505	8	2'-2"	18	St.					
R-506	8	22'-2"	185	St.					



For Additional Bridge Railing Details See
Standard Drawing BR-2-67 Revised 10-15-71,
Except That Guard Rail Anchor Bolts Are
Not Required, At Ends Of Parapets.



NOTE: Payment for Railing Reinforcement shall be
included in pay item 517, Railing.

REINFORCING STEEL SAMPLES: Refer to CMS Sections
106.03, 700, 709.01 through 709.05 and 709.08. Sufficient
additional reinforcing steel shall be replaced in the
structures by the additional steel, spliced in
accordance with 509.08.

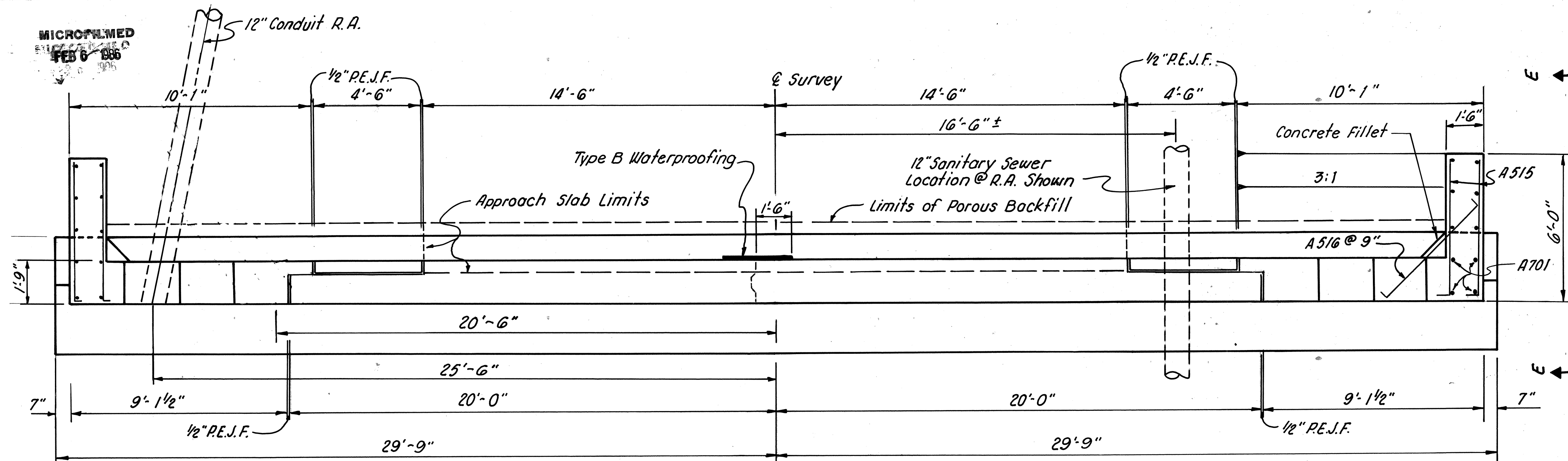
CLYDE E. WILLIAMS & ASSOC. INC. 3/5				
3620 N. HIGH ST. COLUMBUS, OHIO				
SUPERSTRUCTURE DETAILS				
REINFORCING STEEL LIST				
BRIDGE NO. ALL 66-1124				
OVER				
FLAT FORK CREEK				
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED-DATE
A.A.H.	A.A.H.	J.D.	R.E.U.	

MICROFILMED
FEB 6 1986

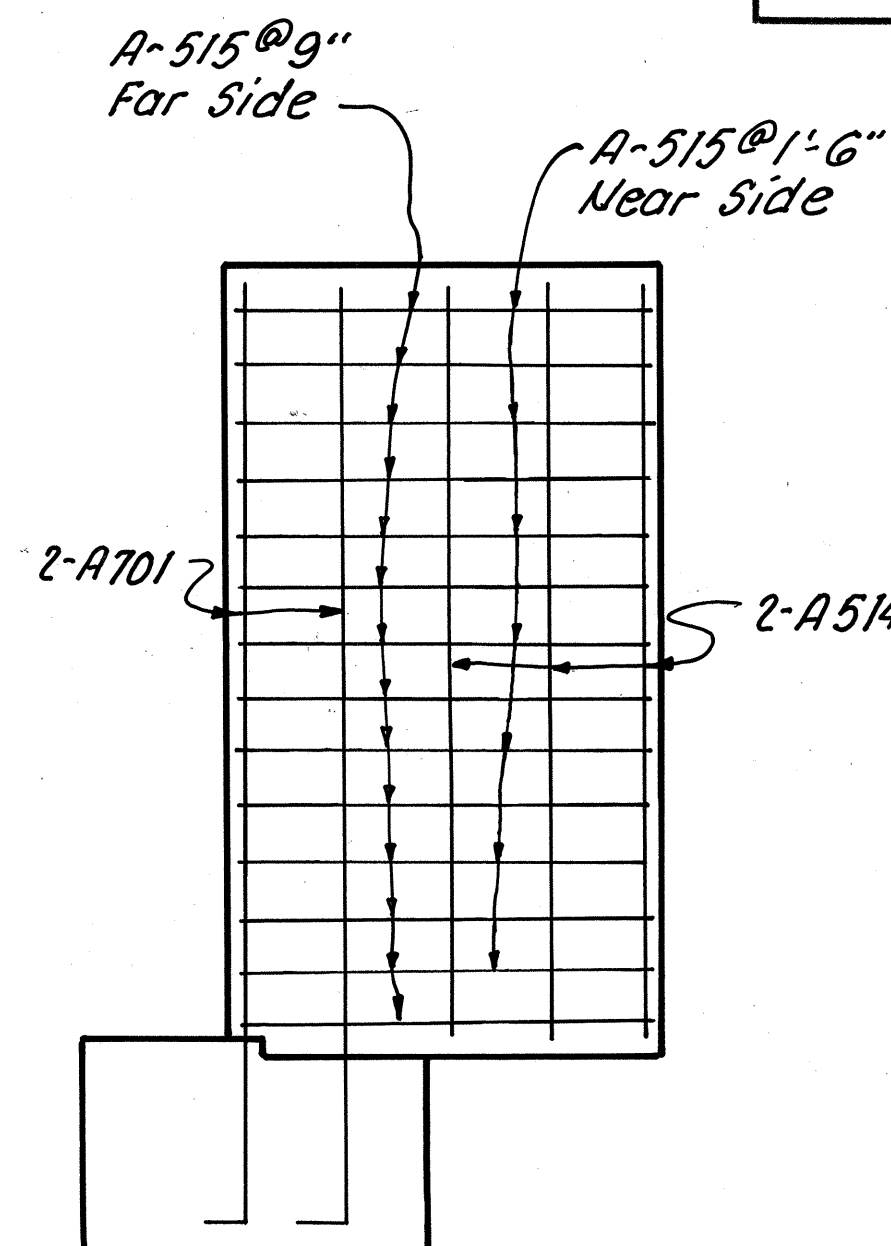
FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00(2)

26
32

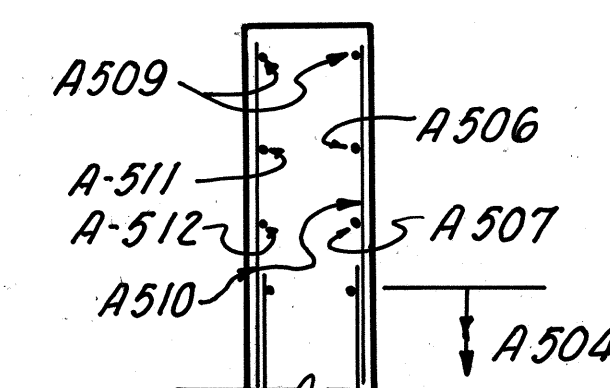
ALLEN COUNTY
ALL 66-10.95/11.22



PLAN

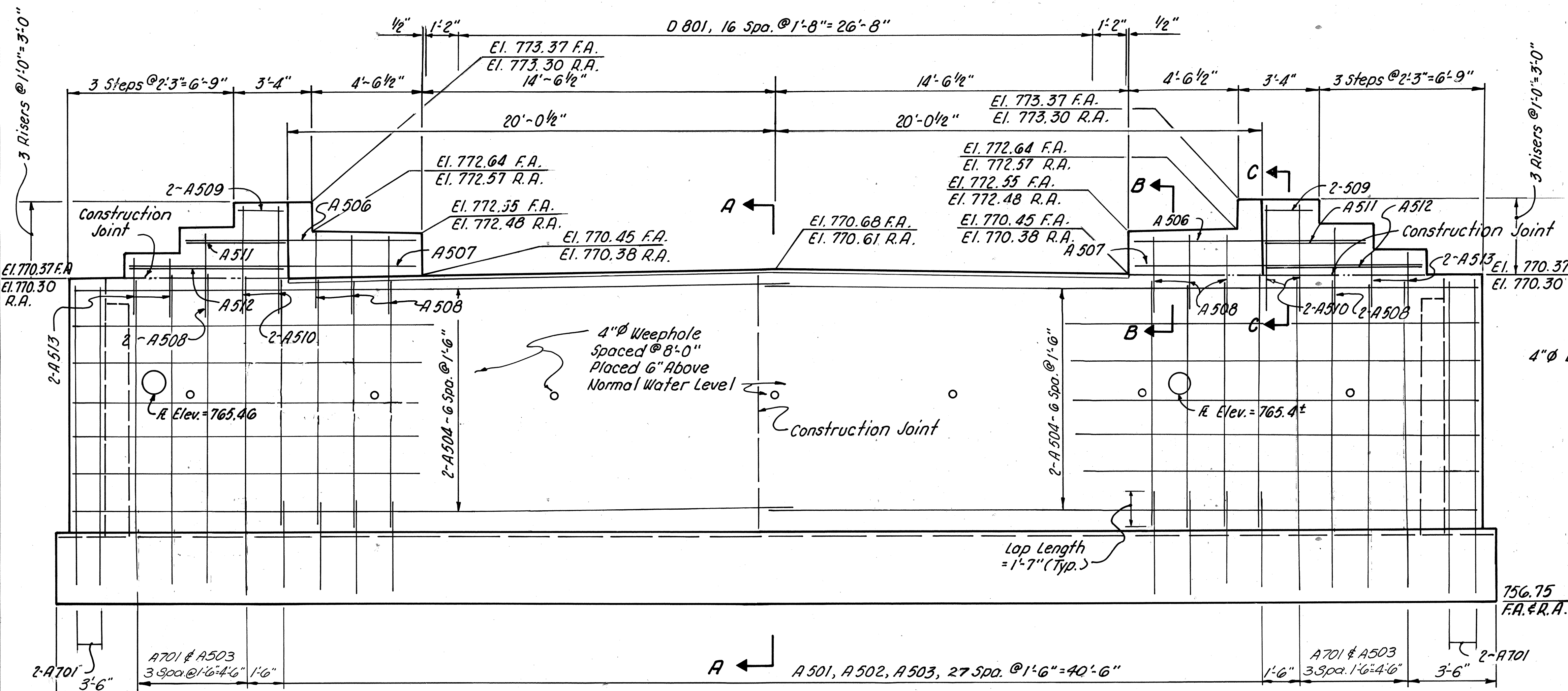


SECTION E-E

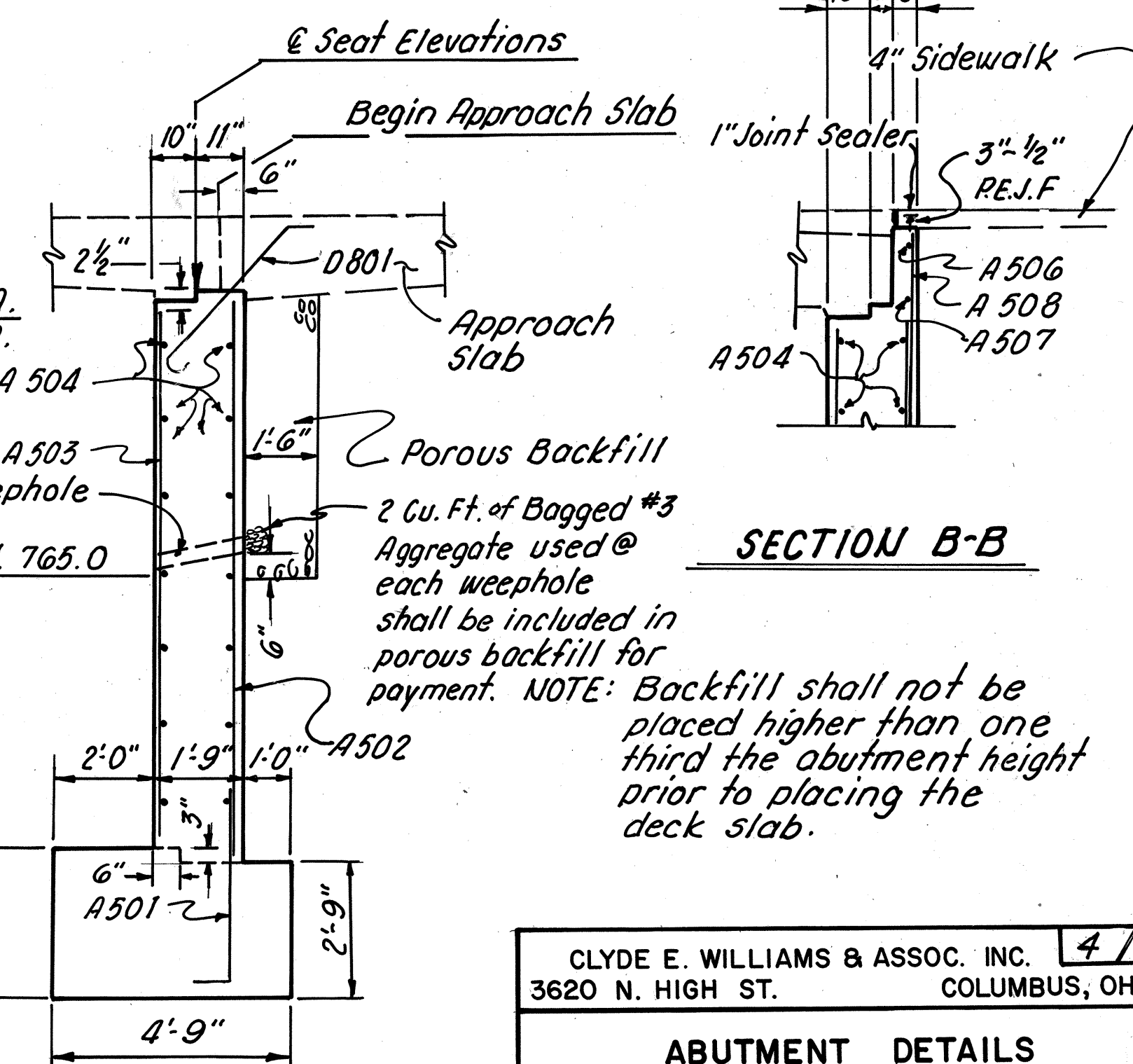


SECTION C-C

POROUS BACKFILL shall extend from 6 inches below the weepholes upward to the plane of subgrade within the roadway area extended laterally to the surface of the embankment slopes.



ELEVATION



SECTION A-A

NOTE: For Storm Sewers Penetrating the walls of the Abutments, Reinforcing Steel shall be cut to within 2" of the outside periphery of the sewer.

CLYDE E. WILLIAMS & ASSOC. INC. 4/5 3620 N. HIGH ST. COLUMBUS, OHIO					
ABUTMENT DETAILS					
BRIDGE NO. ALL 66-1124 OVER FLAT FORK CREEK					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED - DATE	REVISED
A.A.H.	A.A.H.	J.D.	R.E.N.		

Wingwall
S.E. Corner
OF Bridge -

27
32

Wingwall
S.E. Corner
Of Bridge

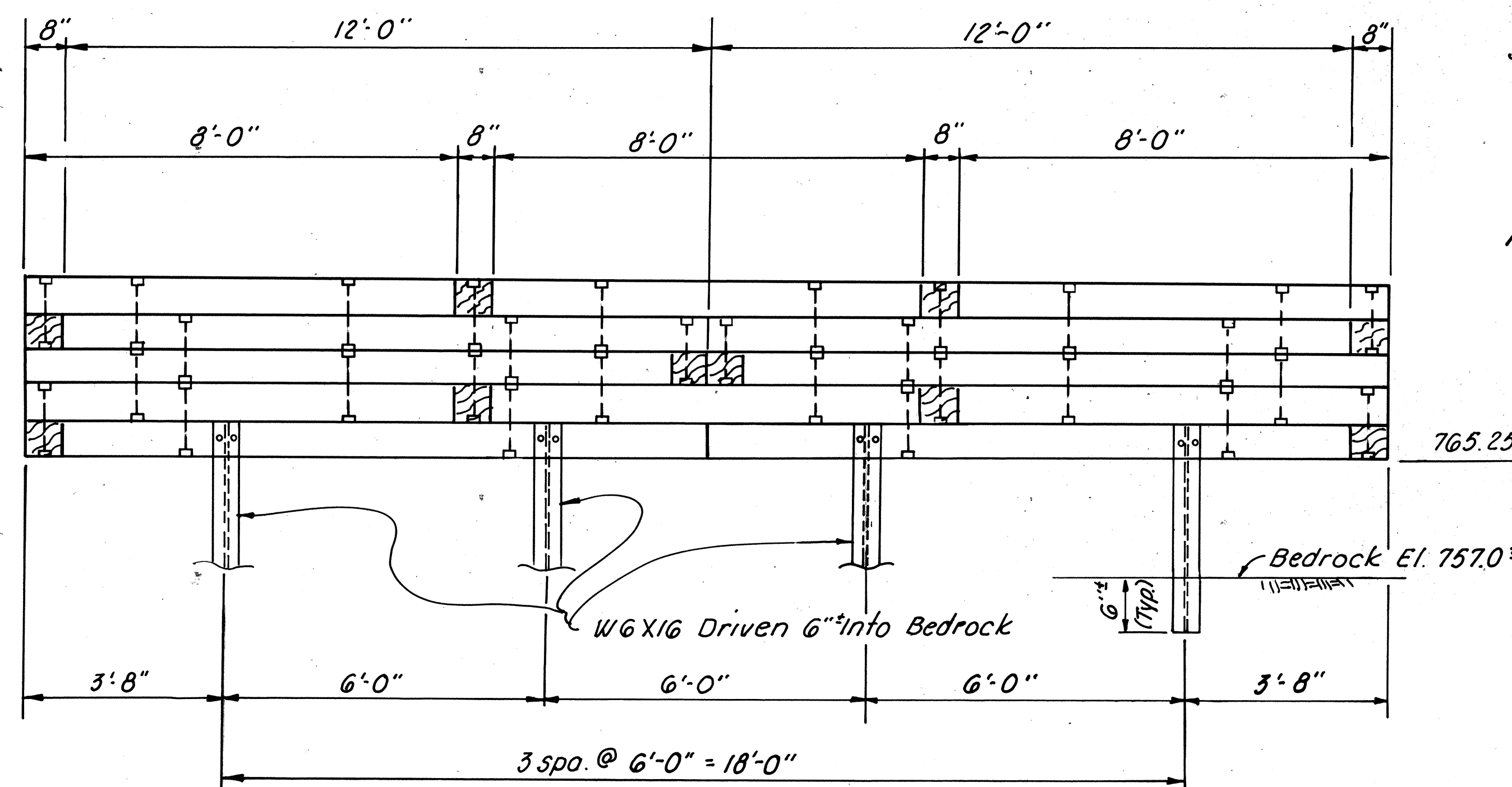
6"

25'-4"

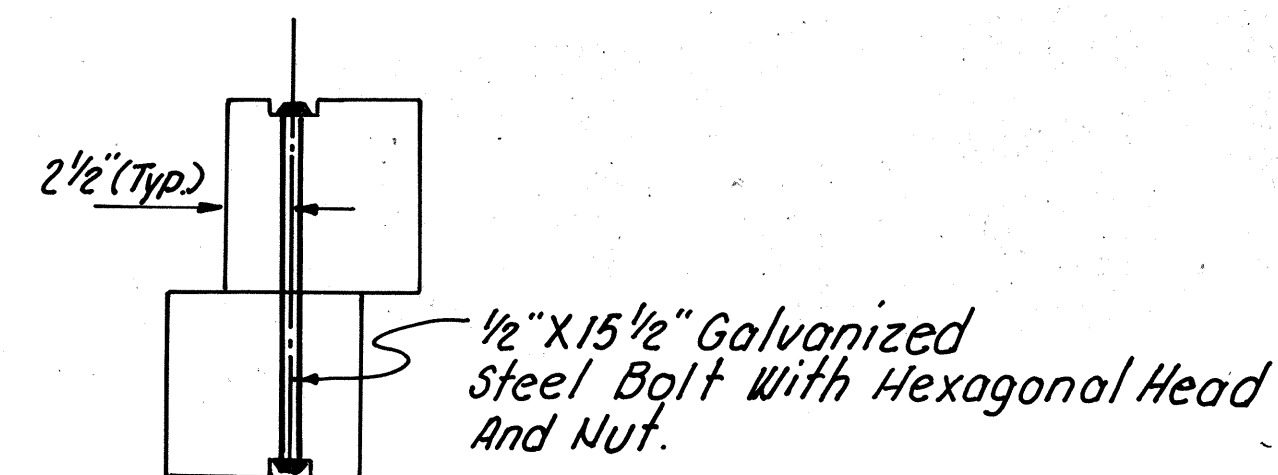
1'-6"

1'-6"

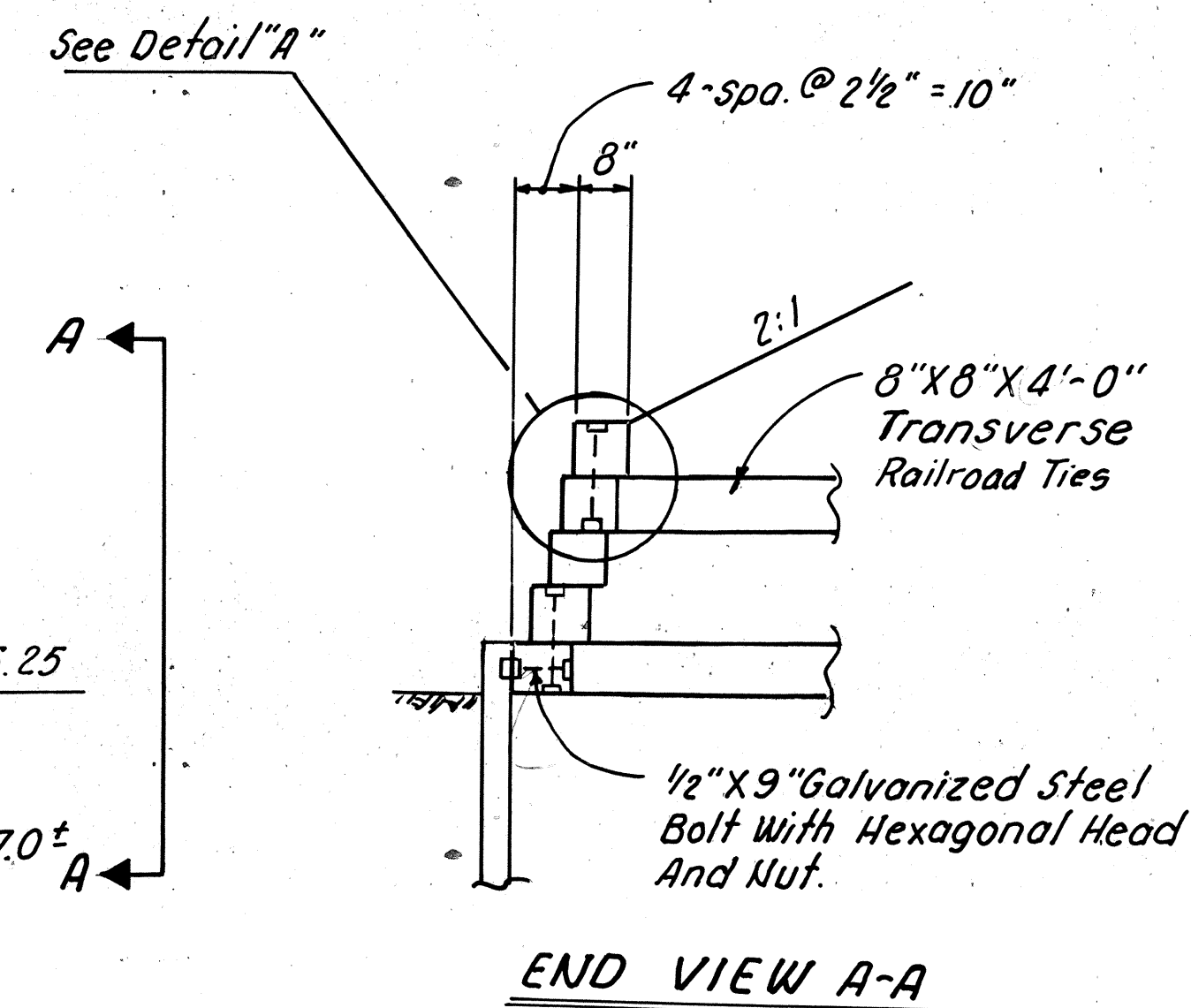
PLAN



ELEVATION



DETAIL "A"



ALL EXISTING RAILROAD TIES RETAINING WALLS SHALL
REMAIN IN PLACE. ANY INTERFERENCE WITH THE
PROPOSED BRIDGE WINGWALLS SHALL BE ELIMINATED
BY CUTTING THE RAILROAD TIES TO WITHIN ONE
INCH (1") FROM THE WINGWALL.

CLYDE E. WILLIAMS & ASSOC. INC. 3620 N. HIGH ST. COLUMBUS, OHIO				
RETAINING WALL BRIDGE NO. ALL 66-1124 OVER FLAT FORK CREEK				
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED - DATE
A.A.H.	A.A.H.	J.D.	REN.	

TOTAL NUMBER OF -----
5 OWNERSHIPS
0 TOTAL TAKES
0 OWNERSHIPS WITH STRUCTURES INVOLVED
0 OWNERSHIPS WITH "P" ITEMS

STATE PROJECT	COUNTY	STATE	PROJECT
01645(0)	5	OHIO	BRM-5VDD(2)
CALC BY: A.A.H.		DATE: 2-81	CHKD BY: GDB DATE: 3-81

$$\frac{28}{32}$$

$$\frac{1}{5}$$

SUMMARY OF ADDITIONAL RIGHT OF WAY

[illegible]

CITY OF DELPHOS



Scale
1" = 100'



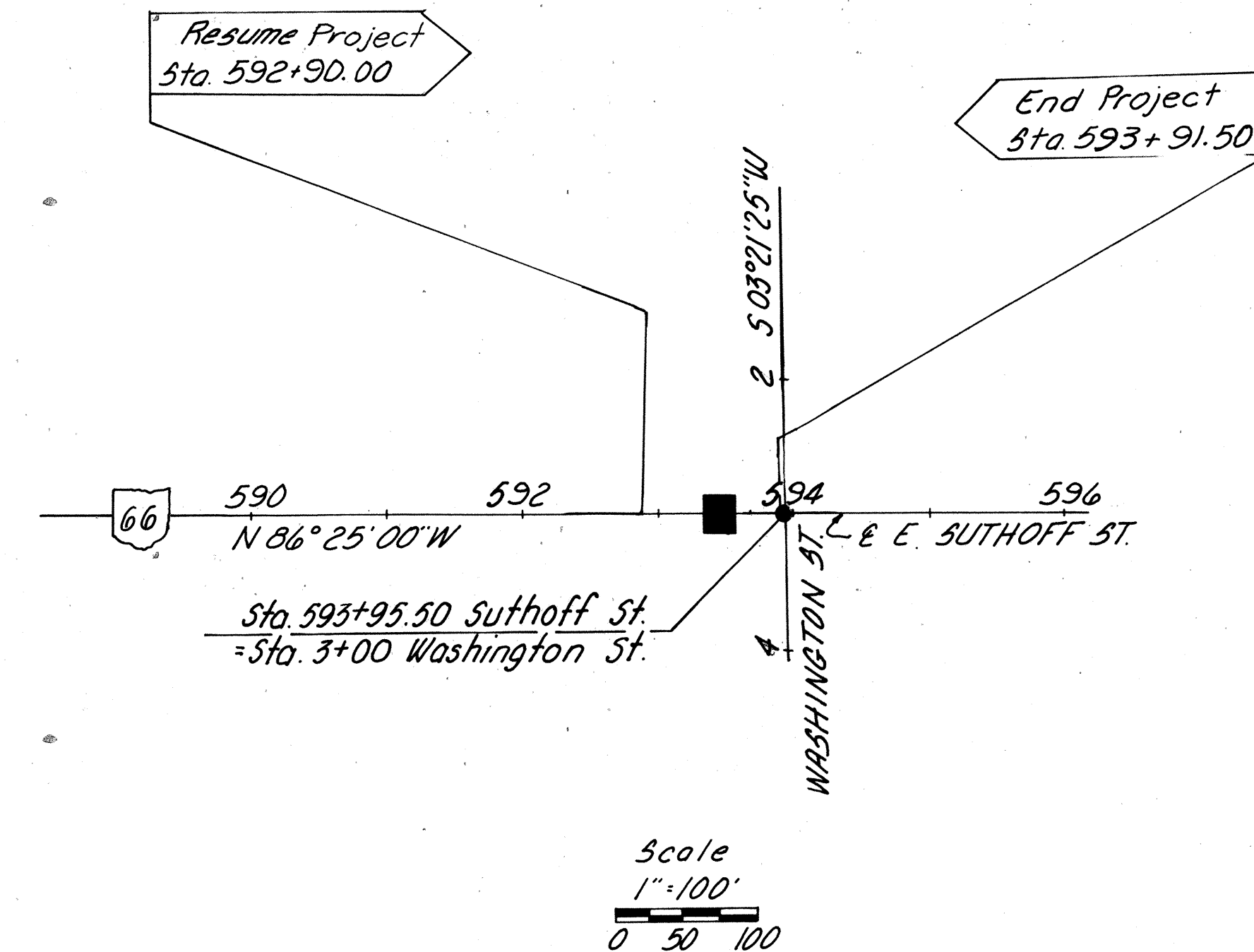
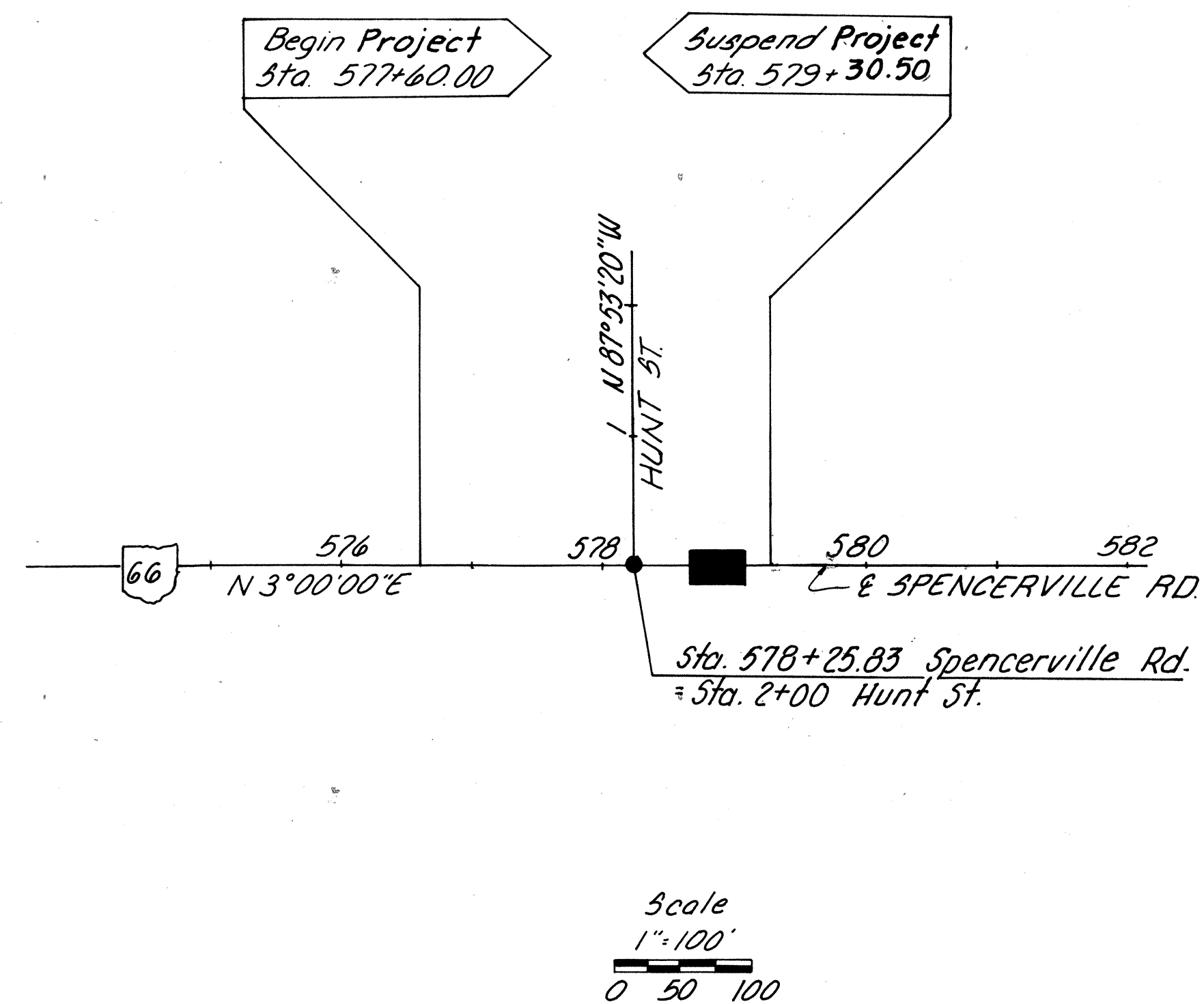
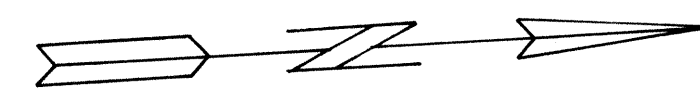
0' 50' 100'

[illegible]

R/W PLANS PROPERTY MAP.

S.R.66

ALLEN COUNTY
CITY OF DELPHOS



I hereby certify that this plat is a true delineation of a survey for the Ohio Department of Transportation in Lima, Ohio.

By A. A. HAIDER Surveyor No. 5006350
Date 4/27/1981

Received _____ 19 ____
Recorded _____ 19 ____
Book _____ Page _____

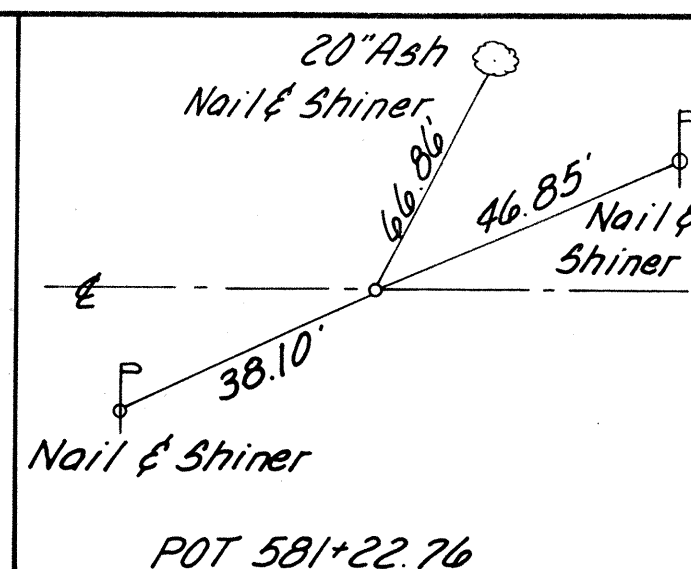
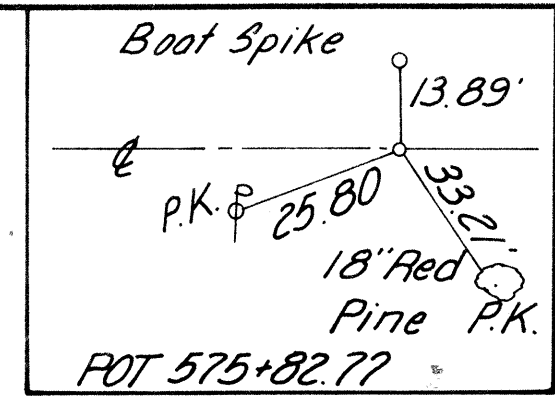
County Recorder

FHWA REGION	STATE	PROJECT	
5	OHIO	BRM-5V00(2)	

ALLEN COUNTY
ALLEN 66-10.95/11.22
R/W PLANS

State Job # 01645(0)

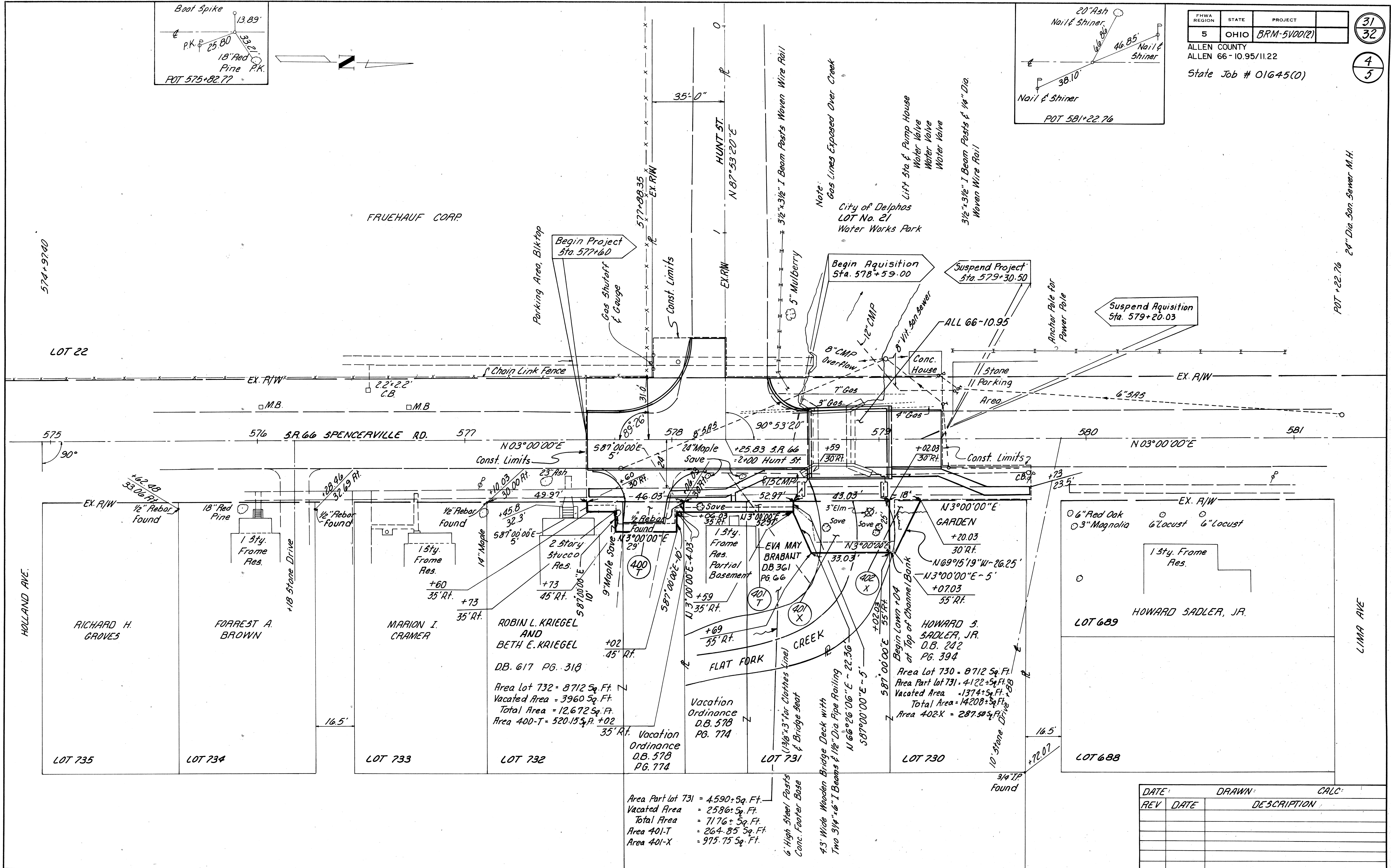
$$\frac{30}{32}$$
 $\frac{3}{5}$ [illegible]



FHWA REGION	STATE	PROJECT
5	OHIO	BRM-5V00(2)

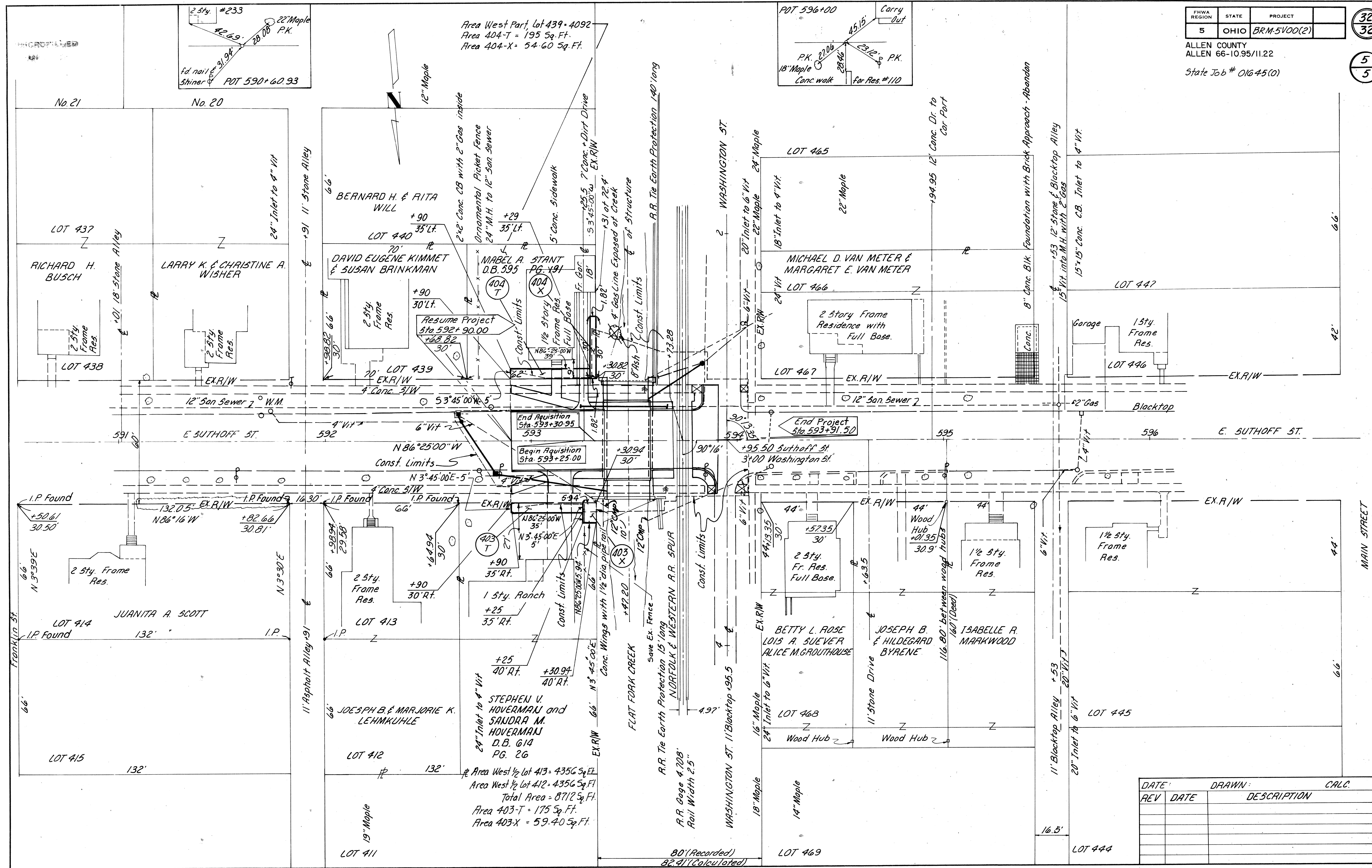
ALLEN COUNTY
 ALLEN 66-10.95/11.22
 State Job # 01645(0)

31
32
4
5



Area Part lot 731 = 4,590± Sq. Ft.
 Vacated Area = 2,586± Sq. Ft.
 Total Area = 7,176± Sq. Ft.
 Area 401-T = 264.85 Sq. Ft.
 Area 401-X = 975.75 Sq. Ft.

DATE	DRAWN	CALC
REV	DATE	DESCRIPTION



DATE		DRAWN		CALL
REV	DATE	DESCRIPTION		