FHWA REGION	STATE	PROJECT	
5	OHIO	RS-BRS-301(8)	

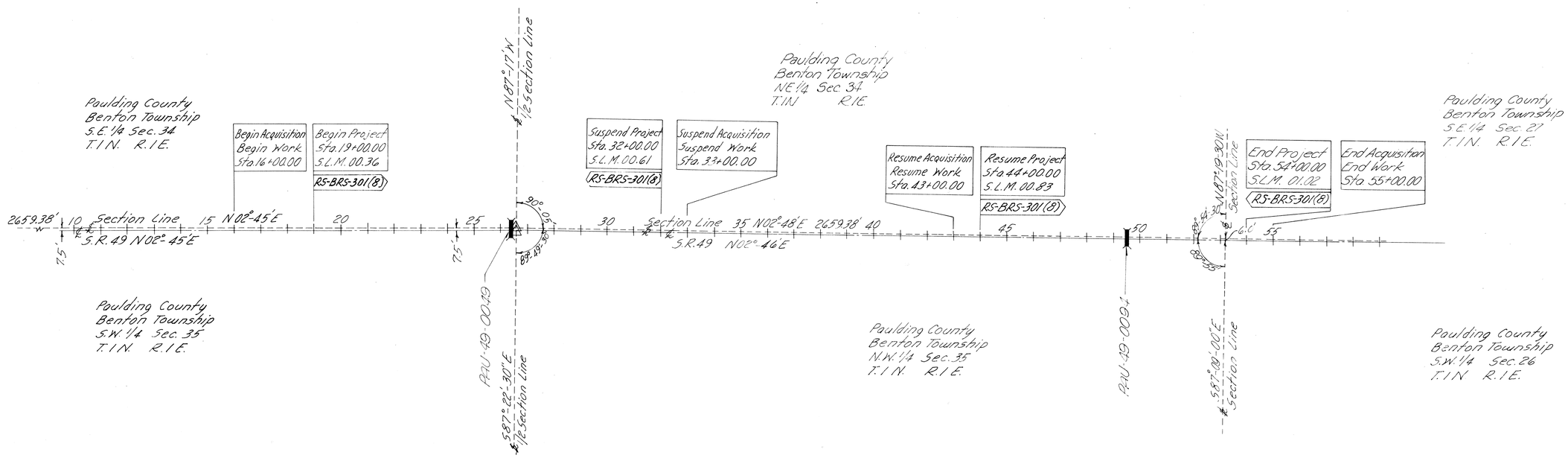
41/50

PAULDING COUNTY
PAU 49-(0.36)(0.83)
R/W PLANS

2/11

CENTERLINE SURVEY PLAT

S.R. 49 Paulding County
Benton Township



Scale
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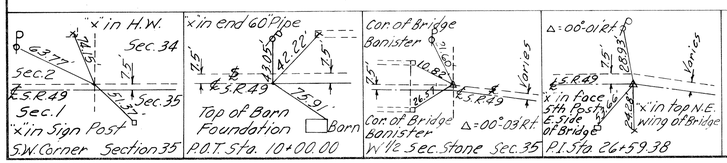
0' 200 400'

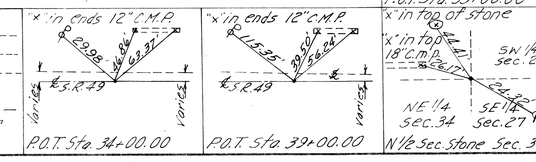


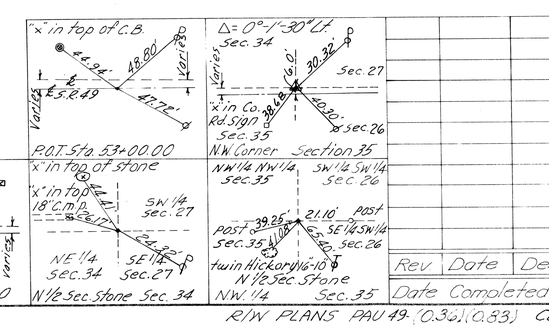
I hereby certify that this plat is a true delineation of a survey for the Ohio Department of Transportation Lima, Ohio.

By [signature] Survey No. S-5427
Date 12-17-80

Received ____19____
Recorded ____19____
Book ____ Page ____

County Recorder





Rev.	Date	Description

Date Completed _____

FHWA REGION	STATE	PROJECT	
5	OHIO	RS-BRS-301(8)	

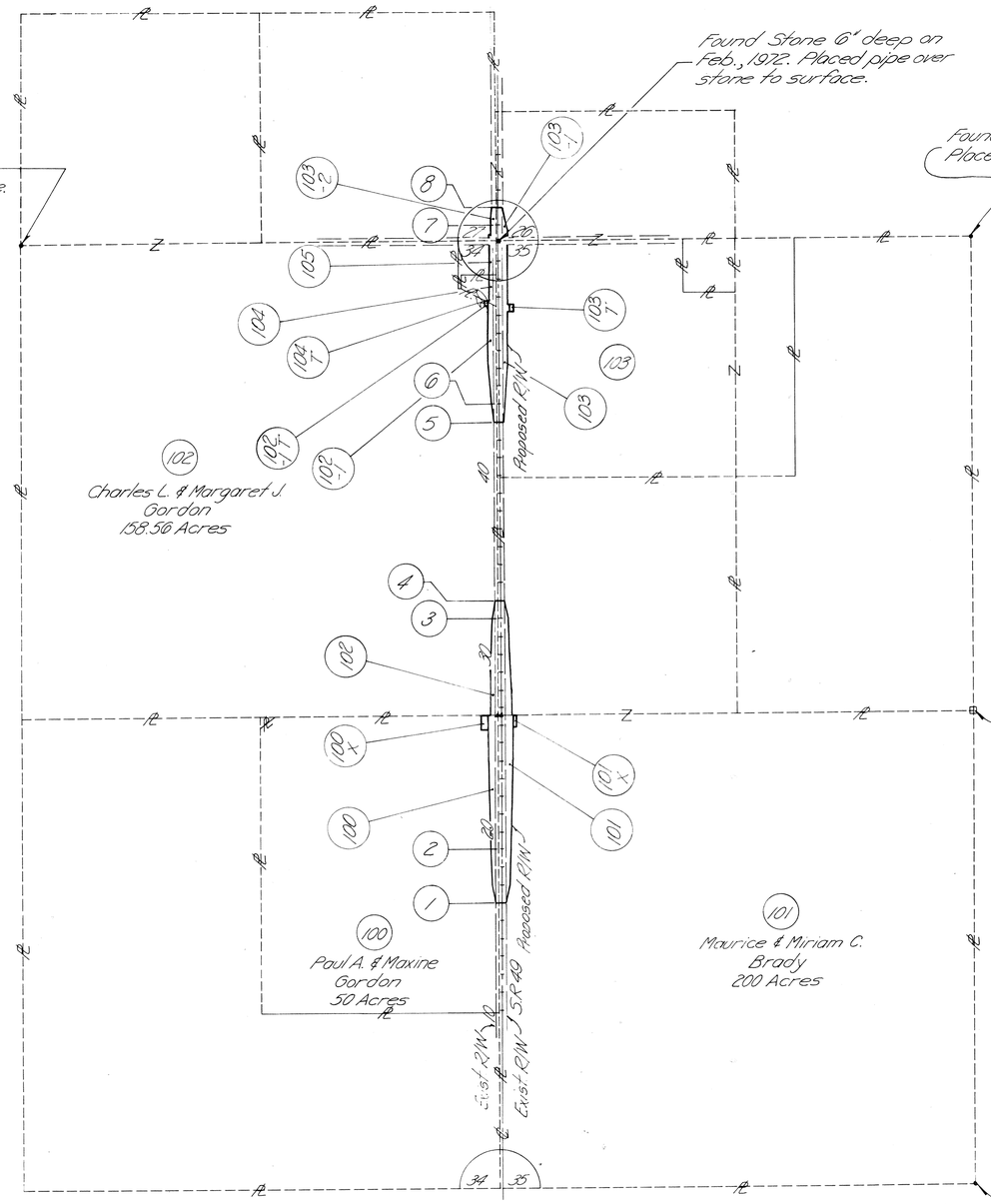
42 / 50

3 / 11

PAULDING COUNTY
PAU.-49-(0.36)(0.83)
R/W PLANS

PROPERTY PLAT

SR 49 PAULDING COUNTY
BENTON TOWNSHIP T.1N. R.1E.
E.1/2 Sec. 34 W.1/2 Sec. 35



FLAGS

1. Begin Work ~ Begin Acquisition
   Sta. 16+00.00
2. Begin Project
   Sta. 19+00.00
   S.L.M. 0.36
3. Suspend Project
   Sta. 23+00.00
   S.L.M. 0.61
4. Suspend Work - Suspend Acquisition
   Sta. 33+00.00
5. Resume Acquisition
   Resume Work
   Sta. 43+00.00
6. Resume Project
   Sta. 44+00.00
   S.L.M. 00.83
7. End Project
   Sta. 54+00.00
   S.L.M. 01.02
8. End Acquisition
   End Work
   Sta. 55+00.00

UTILITIES

Paulding-Putman Electric Co-op Inc.
R.F.D. 3
Paulding, Ohio 45879

General Telephone Company
300 W. Gypsy Lane Road
Bowling Green, Ohio 43402

PARCEL / OWNERS

PARCEL	OWNERS
103	Henry Dealey ~ 1/2 Interest O. Kermit Dealey ~ 1/6 Interest Foy Latimer ~ 1/12 Interest Beulah Miller ~ 1/12 Interest Katherine L. Dealey ~ 1/6 Interest
104	Joy Dee & Deborah Jean Lantz
105	Thomas J. Gordon

NOTES:

Due to small scale of drawing, the R/W is not at exact scale.

Going from West to East on the 1/2 Section Line, there is a deflection of 00°-05'-30" to the left at the East Line of Section 34.

Going from West to East on the North Section Line, there is a deflection of 00°-02'-30" to the right at the NE 1/4 of Section 34.

Going from South to North on the East Line of Section 34, there is a deflection of 00°-03'-00" to the right at the 1/2 Section Stone.

Going from South to North on the center line of S.R. 49, there is a deflection of 00°-01'-00" to the right at Station 20+59.38.

SCALE
1" = 400'-00"
0' 400' 800'

Rev.	Date	Description

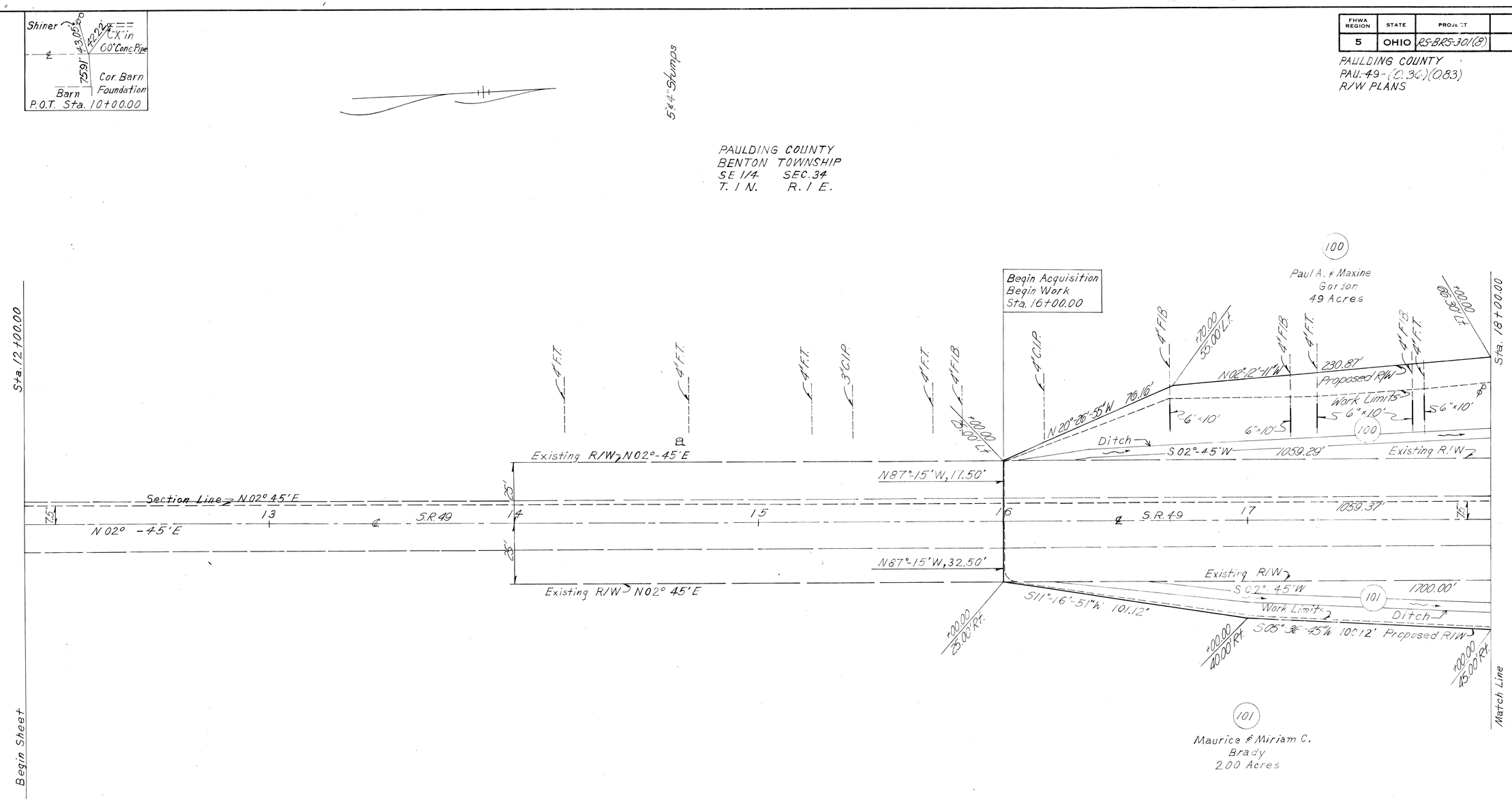
Date Completed _____

FHWA REGION	STATE	PROJECT	
5	OHIO	BS-BRS-301(8)	

43/50

4/11

PAULDING COUNTY
PAU-49-(0.36)(0.83)
R/W PLANS



PAULDING COUNTY
BENTON TOWNSHIP
SW 1/4 SEC. 35
T. 1 N. R. 1 E.

SCALE
1" = 20'-0"

0' 20' 40'

Rev.	Date	Description
Date of Completion		

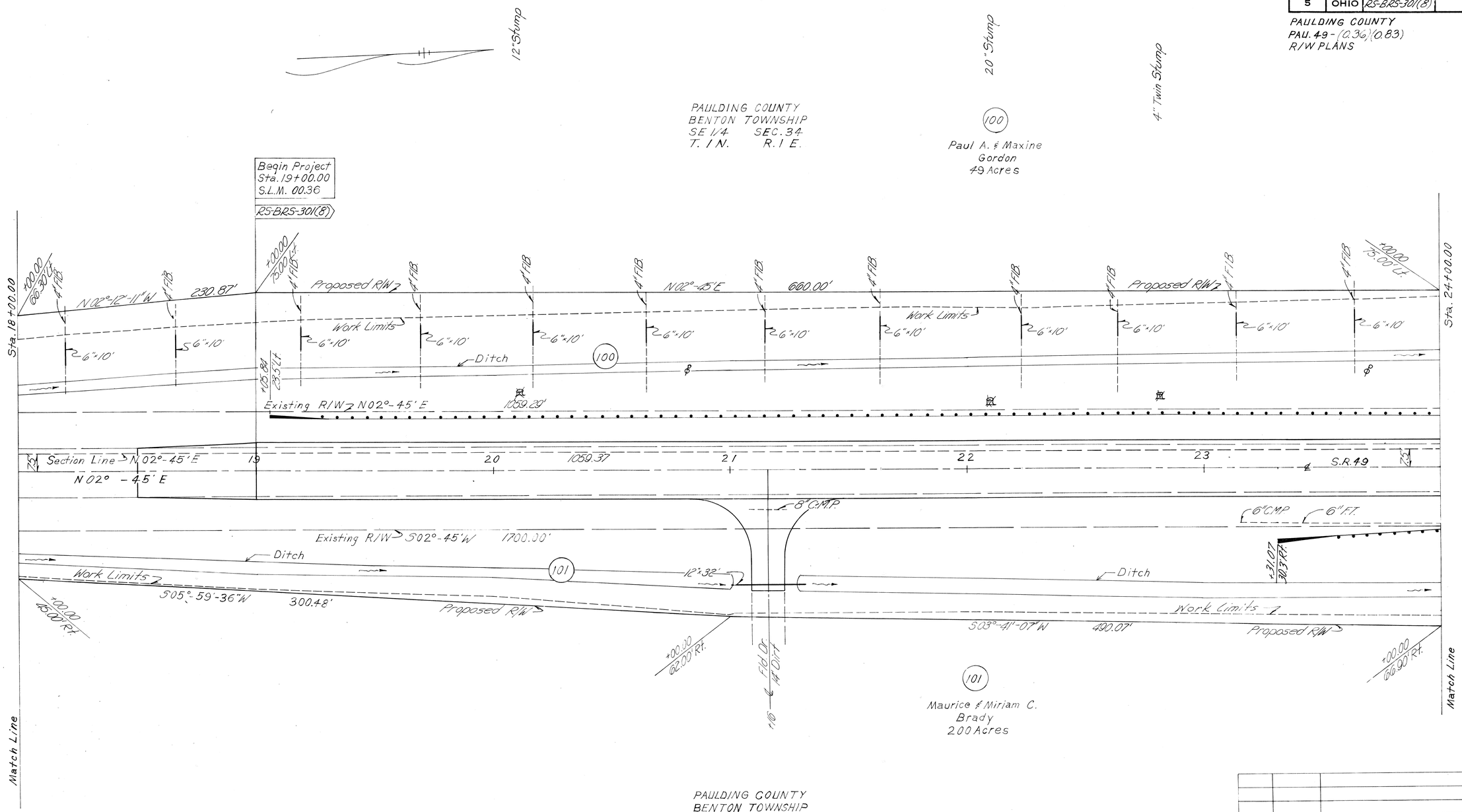
R/W PLANS PAU-49-(0.36)(0.83) Sta. 12+00.00 To Sta. 18+00.00

FHWA REGION	STATE	PROJECT	
5	OHIO	RS-BRS-301(8)	

44/50

5/11

PAULDING COUNTY
PAU. 49-(0.36)(0.83)
R/W PLANS



PAULDING COUNTY
BENTON TOWNSHIP
SW 1/4 SEC. 35
T. 1 N. R. 1 E.

SCALE
1" = 20'-0"
0' 20' 40'

Rev.	Date	Description

Date of Completion _____

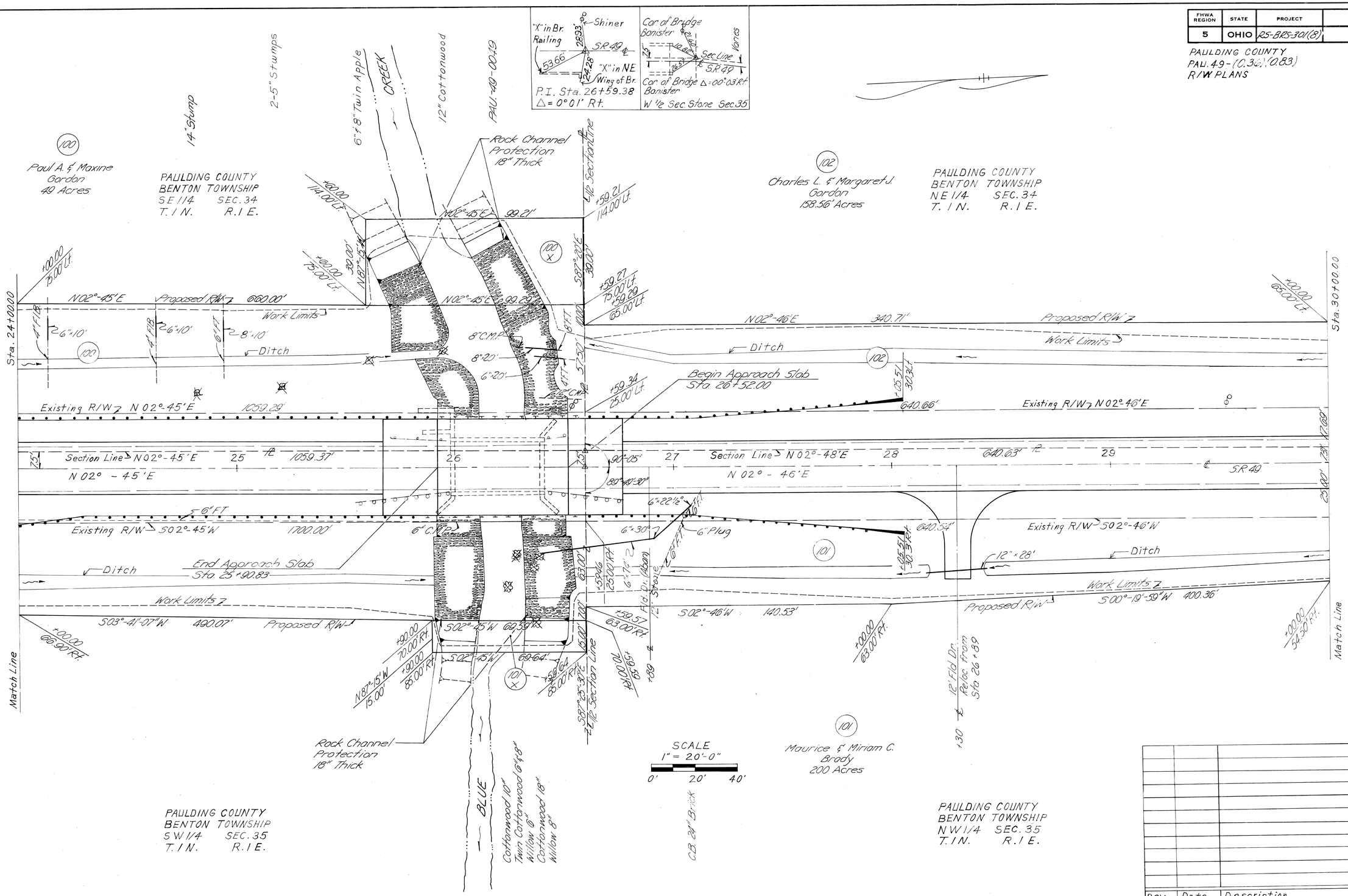
R/W PLANS PAU.-49-(0.36)(0.83) Sta. 18+00.00 To Sat. 24+00.00

FHWA REGION	STATE	PROJECT	
5	OHIO	PAU-BRS-301(8)	

45/50

6/11

PAULDING COUNTY
PAU.49-(0.36)(0.83)
R/W PLANS



Rev.	Date	Description

Date of Completion _____

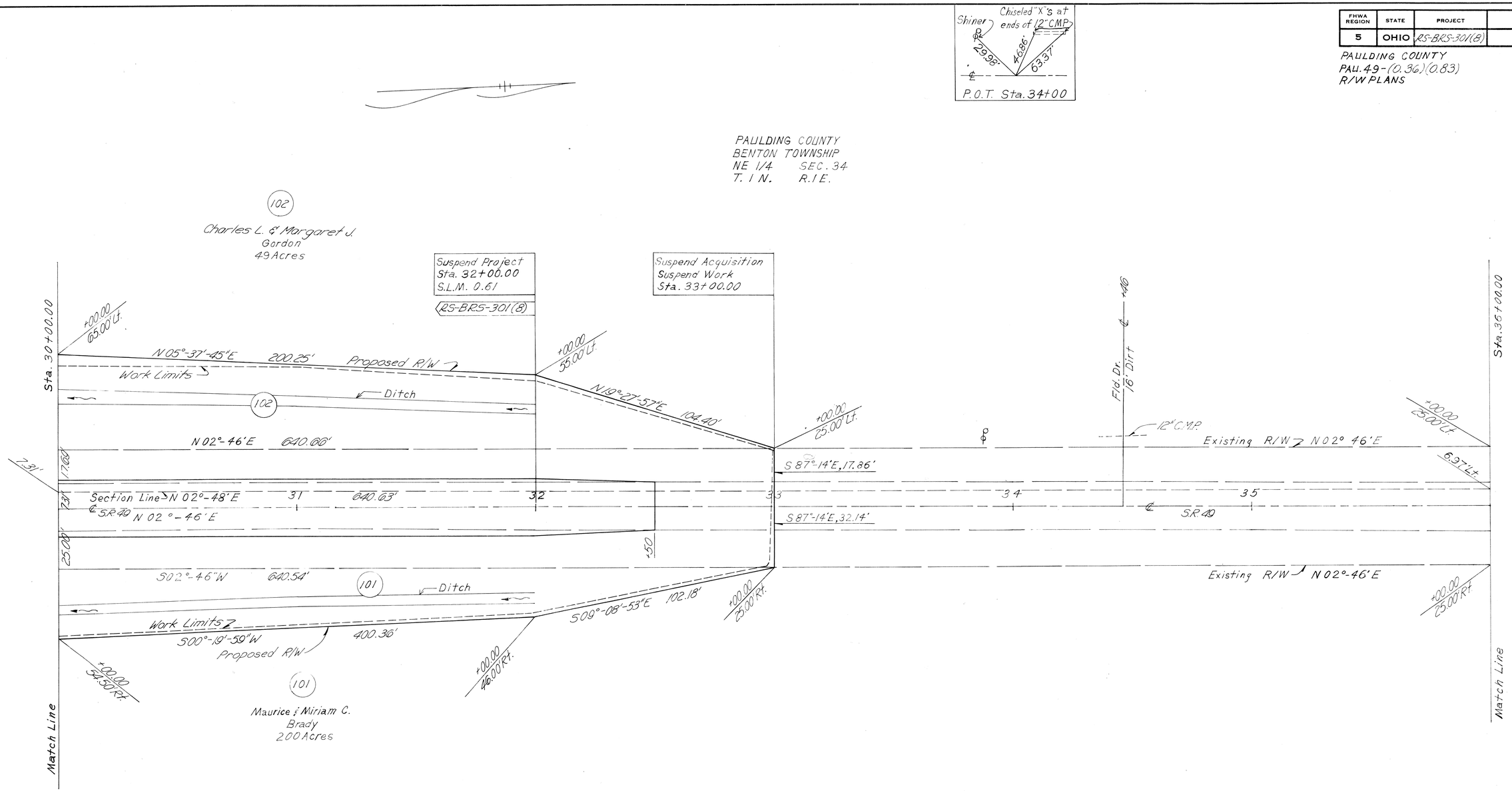
R/W PLANS PAU.-49-(0.36)(0.83) Sta. 24+00.00 To Sta. 30+00.00

FHWA REGION	STATE	PROJECT	
5	OHIO	RS-BRS-301(8)	

46
50

7
11

PAULDING COUNTY
PAU.49-(0.36)(0.83)
R/W PLANS



PAULDING COUNTY
BENTON TOWNSHIP
NW 1/4 SEC. 35
T. 1 N. R. 1 E.

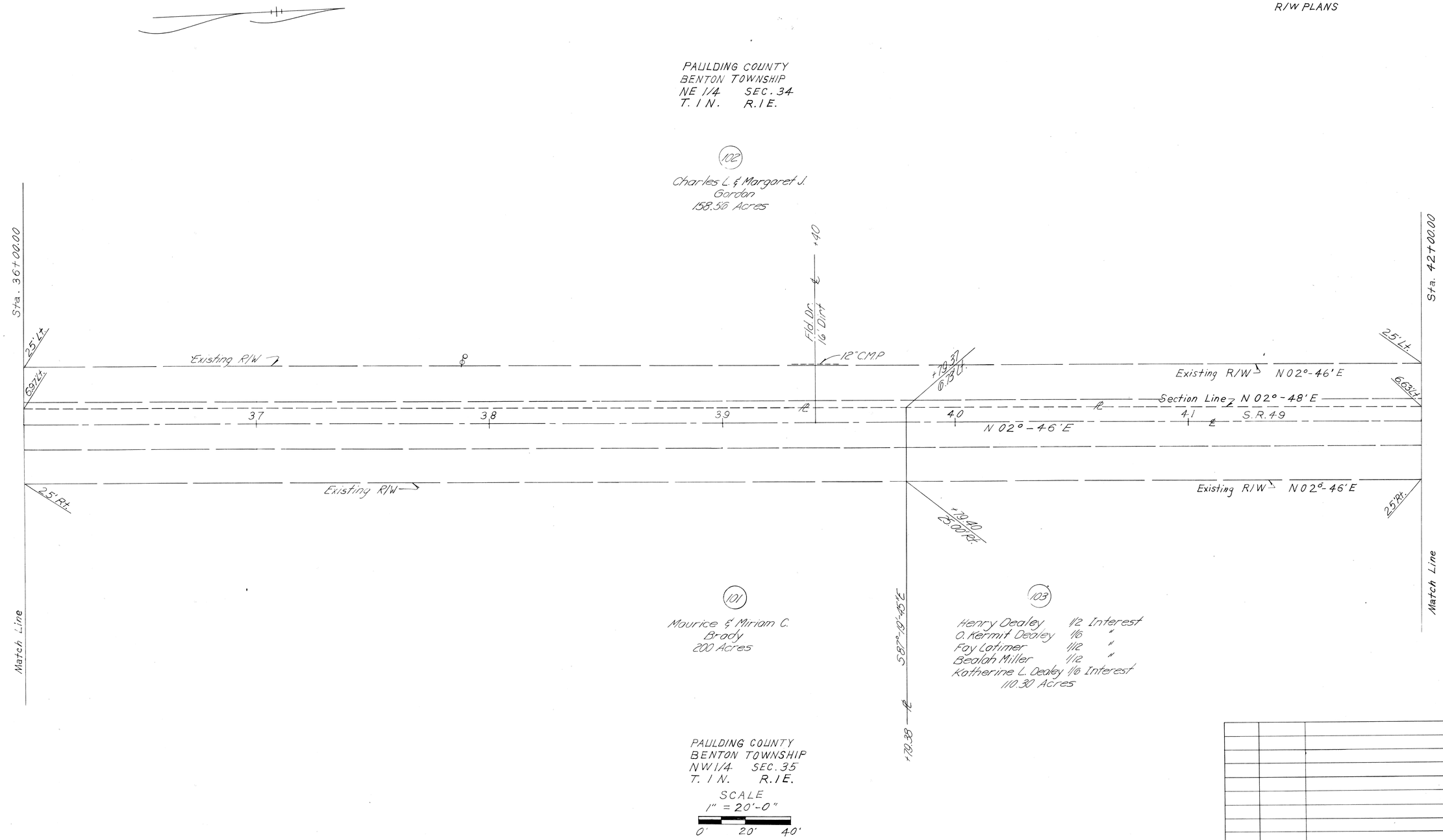
SCALE
1" = 20'-0"

0' 20' 40'

Rev.	Date	Description

Date of Completion _____

PAULDING COUNTY
PAU. 49-(0.36)(0.83)
R/W PLANS



Rev.	Date	Description

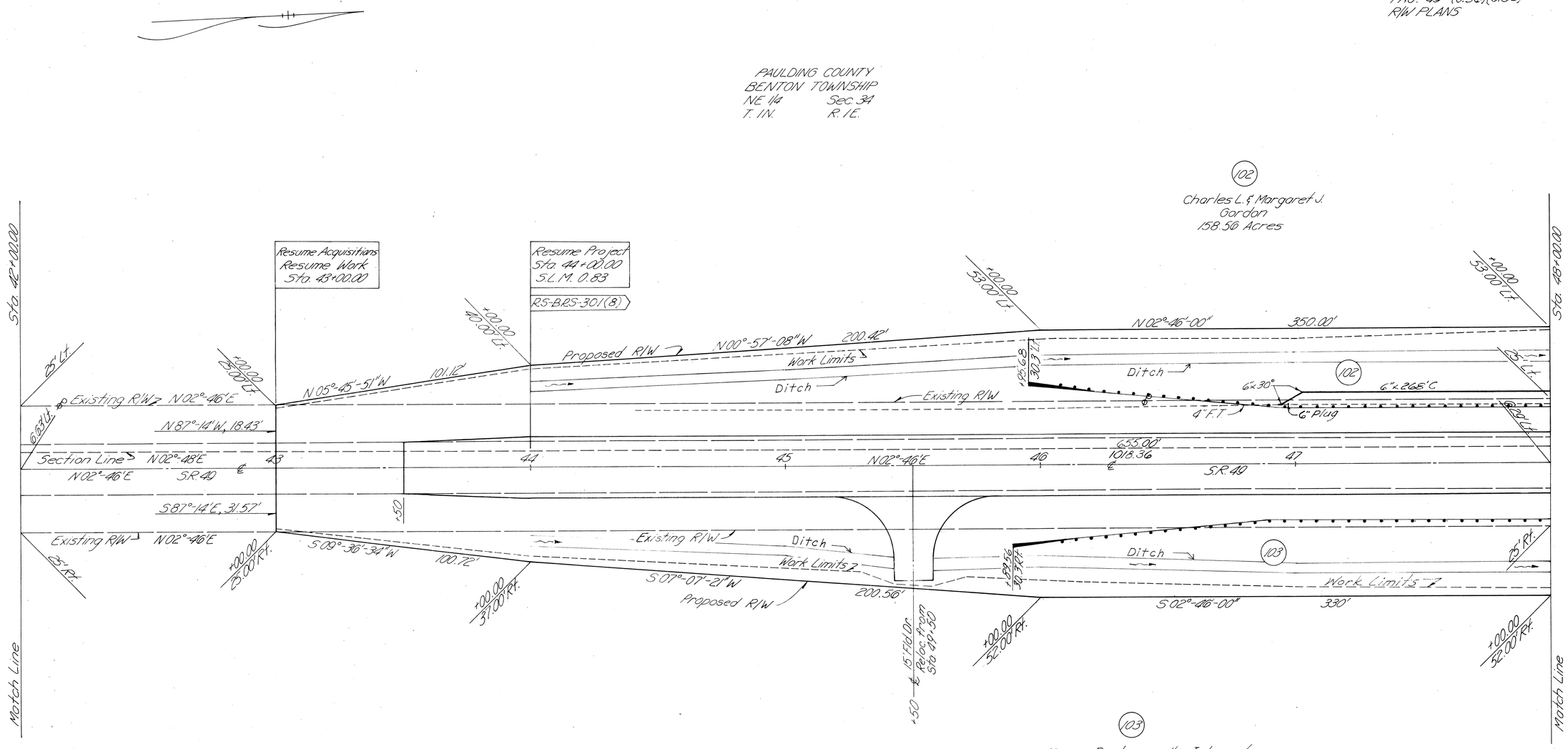
Date of Completion _____

FHWA REGION	STATE	PROJECT	
5	OHIO	RS-BRS-301(8)	

48/50

9/11

PAULDING COUNTY
PAU.-49-(0.36)(0.83)
R/W PLANS



103

Henry Dealey 1/2 Interest
O. Kermit Dealey 1/6 "
Fay Lotimer 1/12 "
Bealah Miller 1/12 "
Katherine L. Dealey 1/6 Interest
110.30 Acres

PAULDING COUNTY
BENTON TOWNSHIP
NW 1/4 Sec. 35
T. 1N. R. 1E.

SCALE
1" = 20'-0"
0' 20' 40'

Rev.	Date	Description

Date of Completion

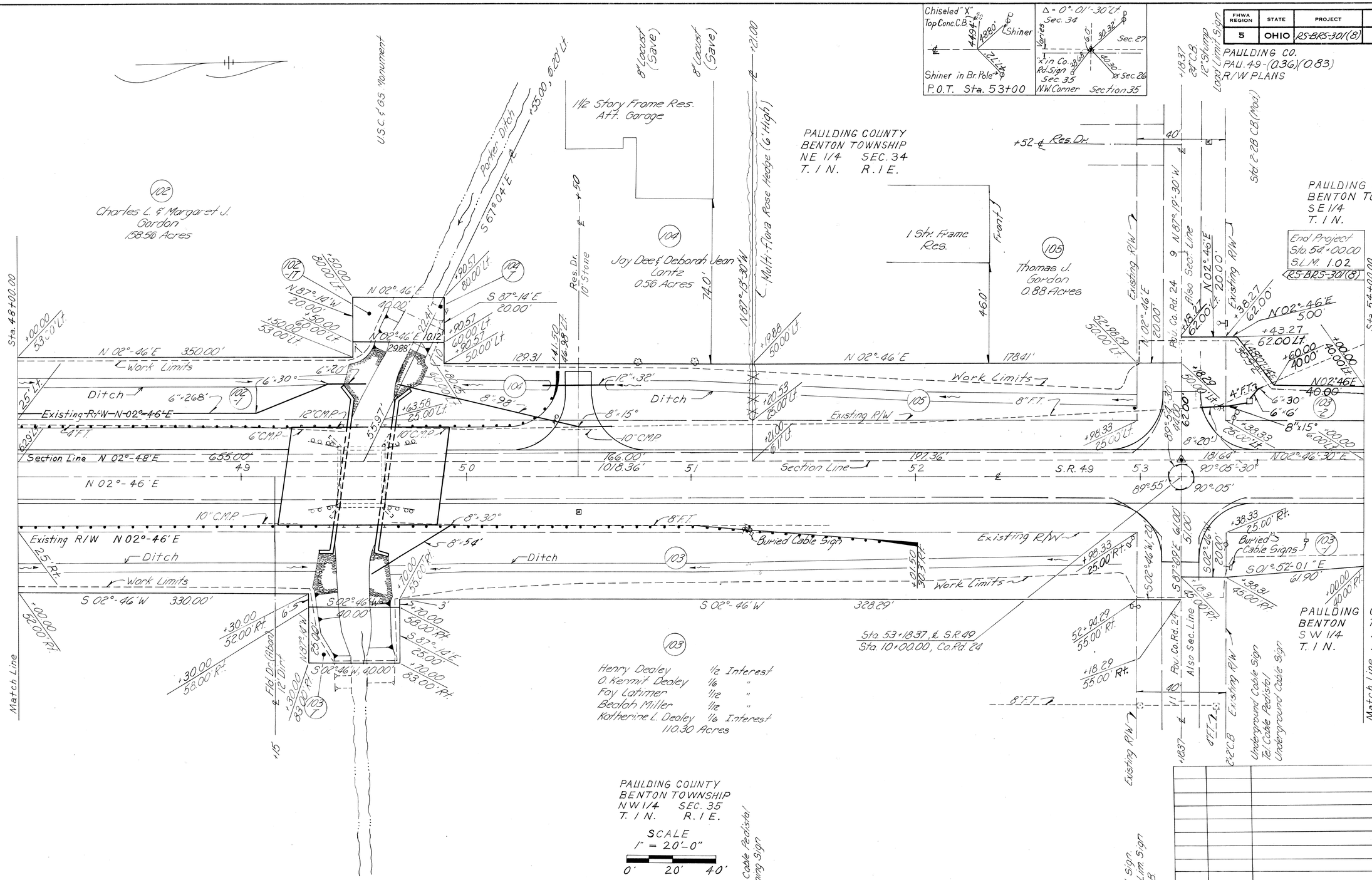
R/W PLANS PAU.-49-(0.36)(0.83) Sta. 42+00.00 to Sta. 48+00.00

FHWA REGION	STATE	PROJECT	
5	OHIO	PAU-BRS-301(8)	

49/50

10/11

PAULDING CO.
PAU.49-(0.36)(0.83)
R/W PLANS



Rev.	Date	Description

Date of Completion _____

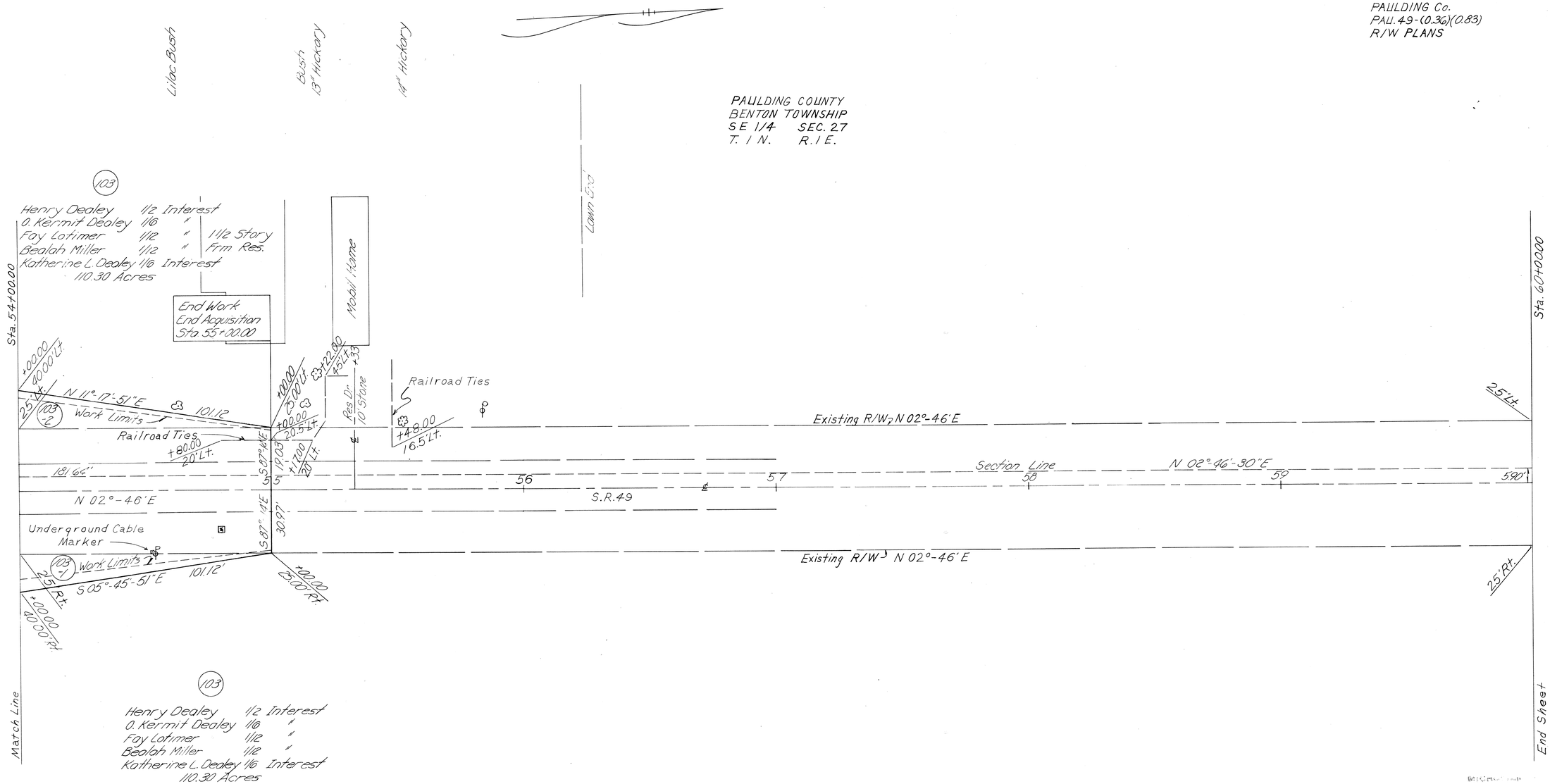
R/W PLANS PAU.49-(0.36)(0.83) Sta. 48+00.00 to Sta. 54+00.00

FHWA REGION	STATE	PROJECT	
5	OHIO	RS-BRS-301(8)	

50 / 50

11 / 11

PAULDING Co.
PAU.49-(0.36)(0.83)
R/W PLANS



Rev.	Date	Description

Date of Completion

TE - 118
600 - 6 - 73

GEOLOGY OF THE SITE

THE STRUCTURE SITE IS LOCATED IN THE RELATIVELY FLAT GLACIATED LAKE PLAIN REGION, IN AN AREA WHERE MODERATELY DEEP GLACIAL-DERIVED MATERIAL AND ALLUVIAL DEPOSITS OVERLIE DOLOMITE BEDROCK, OF THE MONROE FORMATION.

EXPLORATION

THE EXPLORATION CONSISTED OF TWO DRIVE SAMPLE-CORE BORINGS MADE BY MEANS OF A MECHANICALLY-POWERED HOLLOW STEM AUGER MOUNTED ON A MOBILE PLATFORM PERFORMED ON APRIL 3, 4 AND 5, 1979.

INVESTIGATIONAL FINDINGS AND OBSERVATIONS

THE BORINGS DISCLOSED THAT INTERVALS OF LOOSE TO EXTREMELY DENSE STRATIFIED SILTS AND CLAYS MODIFIED WITH SAND AND GRAVEL THAT RAPIDLY INCREASES IN DENSITY WITH INCREASE IN DEPTH OVERLIES RELATIVELY FLAT-LYING BEDROCK SURFACE ENCOUNTERED AT 23 TO 24-FOOT DEPTH, ELEVATION 734 TO 733 FEET. THE BORINGS WERE TERMINATED AT 29 TO 30-FOOT DEPTH, ELEVATION 728 TO 727 FEET, AFTER PENETRATING 5 TO 7 FEET BELOW BEDROCK SURFACE AND 33 TO 34 FEET BELOW THE ELEVATION OF PROPOSED ROAD SURFACE.

NO FREE WATER OBSERVATIONS WERE MADE DURING OR AT THE CONCLUSION OF DRILLING OPERATIONS.

LEGEND

- Auger Boring Location - Plan View.
- Press and / or Drive Sample and / or Core Boring Location - Plan View.
- Drive Rod Penetration Resistance Sounding Location - Plan View.
- Capped Pile
- Footing
- Footing on Pile
- TR — Top of Rock
- Horizontal Bar on Boring Log Indicates the Depth the Sample Was Taken.
- X/Y/Z — Figures Beside the Boring Log in Profile Indicate the Number of Blows for Standard Penetration Test.
  - X = Number of Blows for First 6 inches.
  - Y = Number of Blows for Second 6 inches.
  - Z = Number of Blows for Third 6 inches.
- Drive Rod Penetration Resistance Sounding Log - Profile
- Casing
- Resistance "R" < 10,000 lbs.
- Resistance "R" > 10,000 lbs.
- Z — Indicates Final Measurement of Penetration, in Inches.
- W — Indicates Free Water Elevation.
- Indicates Static Water Elevation.

SYMBOLS OF ROCK TYPES

- Coal
- Weathered Mudstone or Claystone
- Mudstone or Claystone
- Weathered Shale
- Shale
- Weathered Siltstone
- Siltstone
- Weathered Sandstone
- Sandstone
- Leached Dolomite
- Dolomite
- Leached Limestone
- Limestone
- Boulders or Cobbles

GENERAL INFORMATION

Drive Rod Penetration Sounding Tests

Drive rod penetration resistance tests constitute driving a 1.315-inch diameter steel rod, with a 45° cone point, into the ground, using a 122-pound drop-hammer with a free fall of five feet. At one or two-foot depth intervals, a measurement is taken to determine the amount of penetration achieved in three hammer drops. This reading is converted to an empirical value for capacity "R", in thousands of pounds (which is a measure of both the point resistance and frictional resistance on the rod), by using charts prepared by the Ohio Department of Highways, Bureau of Bridges, on the basis of correlation study of rod penetration with past performance of pile driving. For interpretation, a graph is prepared by plotting the value "R" against the depth at which the reading was taken, and connecting the plotted points. The curve so obtained reflects the density of subsurface materials in a manner that can be readily compared with data from similar tests at other locations on the structure site. From this comparison, the overall uniformity of subsurface condition may be evaluated.

Drive Sample Borings - Drive-Press Sample Borings

Drive sample borings are made by means of a rotary-type drill rig, employing a 2" O.D., 1-3/8" I.D. sampler, at 2-1/2 and / or 5-foot depth intervals, driven by means of a 140 - pound drop-hammer with a free fall of 30 inches. The number of blows required to drive the sampler 18 inches is considered the standard penetration test.

Drive-press sample borings are made by means of a rotary-type drill rig, employing a 2" O.D., 1-3/8" I.D. drive sampler, and 3" O.D. thin-wall press sampler. The press sampler is advanced by continuous uniform pressure, applied by the drill rig.

The boring log sheets show a graphic plot of the information obtained, including depth and elevation of the sample, number of blows for the standard penetration tests in three 6-inch increments, depth of press samples, field sample number, sample description - based on laboratory tests and the Casagrande AC classification system - and gradation, plasticity, and moisture content determinations. Results of strength and consolidation testing, if performed, appear on separate enclosures.

At depths where materials are bouldery or gravelly to the extent that the sampler can not be driven, a wash sample is procured for visual classification, in order to determine the general character of the material. These samples are not considered sufficiently representative to warrant laboratory testing.

Particle Size Definitions

Boulders	Cobbles	Gravel	Coarse Sand	Fine Sand	Silt	Clay
	12"	3"	2.0mm (No. 10 sieve)	0.42mm (No. 40 sieve)	0.074mm (No. 200 sieve)	0.005mm

HOLLOW STEM LOG OF BORING

Date Started 4/3/79
Date Completed 4/4/79
Boring No. B-1
Sampler Type AUGER Dia.
Casing: Length Dia.
Station & Offset 49+11 - 17' LT, (REAR ABUTMENT)
Water Elev.
Surface Elev. 757.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
757.0	0														
756.5					SOD AND TOPSOIL										
	2														
	4														
752.0															
	6	1/3/5			GRAY-BROWN SANDY CLAY	1	5	6	13	25	51	39	18	24	A-6b
749.5	8														
		4/7/11			BROWN SANDY CLAY	2	9	7	13	34	37	26	11	14	A-6a
747.0	10														
		5/15/25			BROWN-GRAY SANDY SILT	3	6	6	11	32	45	28	9	13	A-4a
744.5	12														
	14	7/15/26			GRAY SANDY SILT	4	5	6	12	28	49	25	7	13	A-4a
742.0															
	16	8/15/20			GRAY SILT AND CLAY	5	4	5	10	26	55	31	14	13	A-6a
739.5	18														
		6/23/36			GRAY SANDY SILT	6	7	7	14	36	36	23	8	16	A-4a
737.0	20														
		18/53			GRAY SANDY SILT	7	4	5	27	51	13	NP	NP	13	A-4b
734.0	22														
					TOP OF ROCK										
	24		1.5	0.5	DOLOMITE, LT. GRAY, VUGGY WITH SOME CRYSTALLINE DEPOSITS IN CAVITIES, PYRITIFEROUS-IN-PART, WITH IRREGULAR CLAYEY LAMINAE, BADLY BROKEN. CORE LOSS 25%.										
	26														
	28		5.0	0.0	DOLOMITE, LT. GRAY, VUGGY WITH SOME CRYSTALLINE DEPOSITS IN CAVITIES, PYRITIFEROUS-IN-PART, WITH IRREGULAR CLAYEY LAMINAE, HARD, BROKEN ALONG CLAY LAMINAE, WITH AN APPARENT 0.1' CLAY SEAM AT ELEV. 728.1'. NO CORE LOSS.										
727.0	30														
					BOTTOM OF BORING										

HOLLOW STEM LOG OF BORING

Date Started 4/5/79
Date Completed 4/5/79
Boring No. B-4
Sampler Type AUGER Dia.
Casing: Length Dia.
Station & Offset 49+78 - 26' RT, (FORWARD ABUTMENT)
Water Elev.
Surface Elev. 757.4'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
757.4	0														
756.7					SOD AND TOPSOIL										
	2														
	4														
752.4															
	6	2/3/8			BROWN-GRAY CLAY	8	3	3	9	25	60	67	45	26	A-7-6
749.9	8														
		2/17/31			BROWN SANDY SILT	9	11	9	18	34	28	22	7	11	A-4a
747.4	10														
		2/22/28			BROWN SANDY CLAY	10	6	7	13	30	44	28	12	13	A-6a
744.9	12														
	14	4/15/16			GRAY-BROWN SILT AND CLAY	11	6	4	9	31	50	27	11	13	A-6a
742.4															
	16	5/9/20			GRAY-BROWN SANDY SILT	12	14	6	11	17	52	29	9	14	A-4a
739.9	18														
		12/33/46			GRAY SANDY SILT	13	11	7	17	32	33	19	6	8	A-4a
737.4	20														
		15/29/61			GRAY SANDY SILT	14	3	1	22	62	12	NP	NP	18	A-4b
734.9	22														
	24	20/25/40			GRAY-BROWN SILT TOP OF ROCK	15	0	0	2	69	29	NP	NP	18	A-4b
732.9															
	26														
	28		5.0	0.0	DOLOMITE, LIGHT GRAY, HARD VUGGY, CRYSTALLINE IN VUGS, LACKS PROMINENT CLAY LAMINAE, BROKEN ALONG ROUGHLY HORIZONTAL LAMINAE AT 0.05' TO 0.3' INTERVALS, JOINTED IN PART. NO CORE LOSS.										
727.9	30														
					BOTTOM OF BORING										

NOTE - ALL AVAILABLE SOIL AND BEDROCK INFORMATION WHICH CAN BE CONVENIENTLY SHOWN ON THE STRUCTURE FOUNDATION INVESTIGATION SHEETS HAS BEEN SO REPORTED. ADDITIONAL SUBSURFACE INVESTIGATIONS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECT OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE, THE BUREAU OF TESTS AT 1600 WEST BROAD STREET, THE PAVEMENT AND SOILS SECTION OF THE BUREAU OF LOCATION AND DESIGN OR IN THE BRIDGE BUREAU AT 25 SOUTH FRONT STREET.

MICROFILMED
FEB 6 1980

NOTE: Information shown by this subsurface investigation was obtained solely for the use in establishing design controls for the project. The State of Ohio does not guarantee the accuracy of this data and it is not to be construed as a part of the plans governing construction of the project.

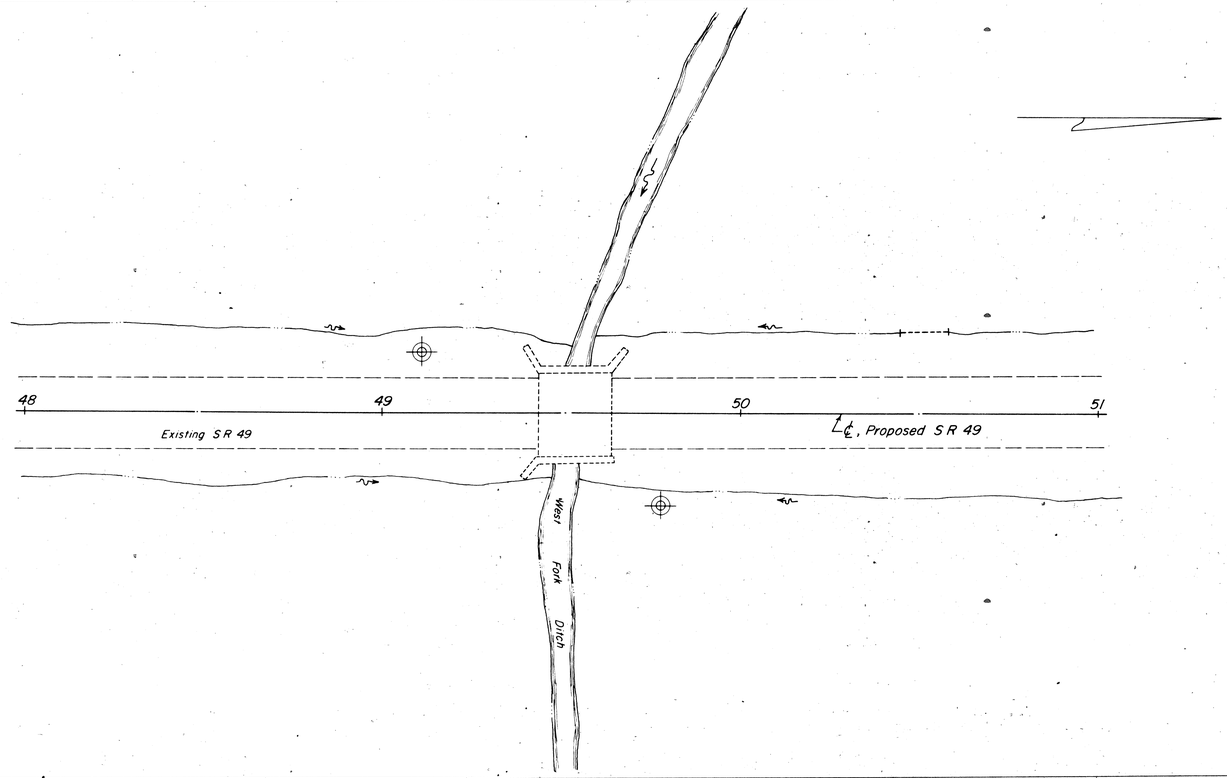
OHIO DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS — TESTING LABORATORY
1600 WEST BROAD STREET, COLUMBUS, OHIO 43223

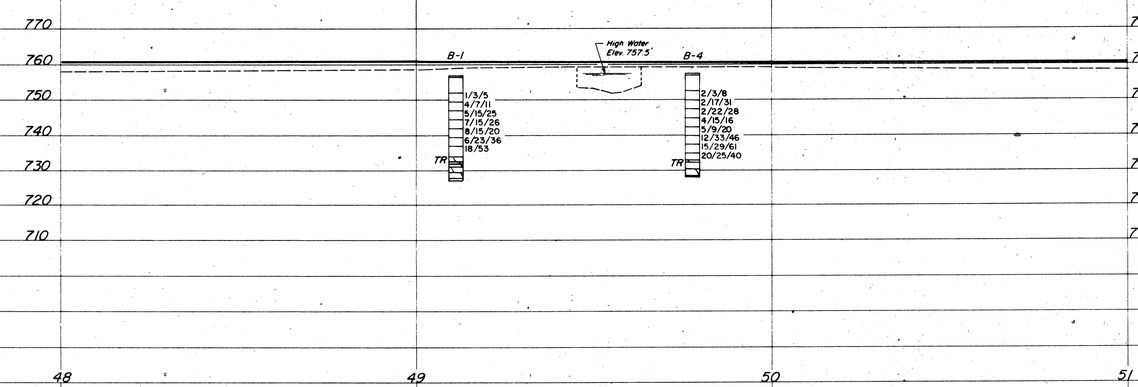
STRUCTURE FOUNDATION INVESTIGATION
BRIDGE NO. PAU-49-0094
OVER WEST FORK DITCH
SEC. PAU-49-0.89

CHECKED BY	REVIEWED BY	DATE
L. N. L.	R. D. R.	5/1/79

TE - 119
500 - 1 - 76

PAU-49-0.89





MICROFILMED
FEB 6 1980

SCALE: 1" = 20'

OHIO DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS-TESTING LABORATORY
1600 WEST BROAD STREET, COLUMBUS, OHIO 43223

STRUCTURE FOUNDATION INVESTIGATION

BRIDGE NO. PAU-49-0094
OVER WEST FORK DITCH

SEC. PAU-49-0.89

PLAN AND PROFILE

DRAWN BY	CHECKED BY	REVIEWED BY	DATE
L. N. L.	L. N. L.	R. D. R.	5/1/79

TE - 118
600 - 6 - 73

GEOLOGY OF THE SITE

THE STRUCTURE SITE IS LOCATED IN THE RELATIVELY FLAT GLACIATED LAKE PLAIN REGION, IN AN AREA WHERE MODERATELY DEEP GLACIAL-DERIVED MATERIAL AND ALLUVIAL DEPOSITS OVERLIE DOLOMITE BEDROCK, OF THE MONROE FORMATION.

EXPLORATION

THE EXPLORATION CONSISTED OF TWO DRIVE SAMPLE-CORE BORINGS MADE BY MEANS OF A MECHANICALLY-POWERED HOLLOW STEM AUGER MOUNTED ON A MOBILE PLATFORM, PERFORMED ON APRIL 9 AND 10, 1979.

INVESTIGATIONAL FINDINGS AND OBSERVATIONS

THE BORINGS DISCLOSED THAT INTERVALS OF EXTREMELY LOOSE TO EXTREMELY DENSE STRATIFIED SILTS AND CLAYS WITH SAND AND GRAVEL MODIFIERS THAT INCREASE IN DENSITY WITH INCREASE IN DEPTH OVERLIE RELATIVELY FLAT-LYING BEDROCK SURFACE ENCOUNTERED AT 26 TO 27-FOOT DEPTH, ELEVATION 732 FEET. THE BORINGS WERE TERMINATED AT 30 TO 32-FOOT DEPTH, ELEVATION 728 TO 727 FEET, AFTER PENETRATING 4 TO 5 FEET BELOW BEDROCK SURFACE AND 34 FEET BELOW THE ELEVATION OF PROPOSED ROAD SURFACE.

NO FREE WATER OBSERVATIONS WERE MADE DURING OR AT THE CONCLUSION OF DRILLING OPERATIONS.

LEGEND

- Auger Boring Location - Plan View.
- Press and / or Drive Sample and / or Core Boring Location - Plan View.
- Drive Rod Penetration Resistance Sounding Location - Plan View.
- Capped Pile
- Footing
- Footing on Pile
- TR — Top of Rock
- Horizontal Bar on Boring Log Indicates the Depth the Sample Was Taken.
- X/Y/Z — Figures Beside the Boring Log in Profile Indicate the Number of Blows for Standard Penetration Test.
  - X = Number of Blows for First 6 inches.
  - Y = Number of Blows for Second 6 inches.
  - Z = Number of Blows for Third 6 inches.
- Drive Rod Penetration Resistance Sounding Log - Profile
- Casing
- Resistance "R" < 10,000 lbs.
- Resistance "R" > 10,000 lbs.
- Z — Indicates Final Measurement of Penetration, in Inches.
- W — Indicates Free Water Elevation.
- Indicates Static Water Elevation.

SYMBOLS OF ROCK TYPES

- Coal
- Weathered Mudstone or Claystone
- Mudstone or Claystone
- Weathered Shale
- Shale
- Weathered Siltstone
- Siltstone
- Weathered Sandstone
- Sandstone
- Leached Dolomite
- Dolomite
- Leached Limestone
- Limestone
- Boulders or Cobbles

GENERAL INFORMATION

Drive Rod Penetration Sounding Tests

Drive rod penetration resistance tests constitute driving a 1.315-inch diameter steel rod, with a 45° cone point, into the ground, using a 122-pound drop-hammer with a free fall of five feet. At one or two-foot depth intervals, a measurement is taken to determine the amount of penetration achieved in three hammer drops. This reading is converted to an empirical value for capacity "R", in thousands of pounds (which is a measure of both the point resistance and frictional resistance on the rod), by using charts prepared by the Ohio Department of Highways, Bureau of Bridges, on the basis of correlation study of rod penetration with past performance of pile driving. For interpretation, a graph is prepared by plotting the value "R" against the depth at which the reading was taken, and connecting the plotted points. The curve so obtained reflects the density of subsurface materials in a manner that can be readily compared with data from similar tests at other locations on the structure site. From this comparison, the overall uniformity of subsurface condition may be evaluated.

Drive Sample Borings - Drive-Press Sample Borings

Drive sample borings are made by means of a rotary-type drill rig, employing a 2" O.D., 1-3/8" I.D. sampler, at 2-1/2 and / or 5-foot depth intervals, driven by means of a 140 - pound drop-hammer with a free fall of 30 inches. The number of blows required to drive the sampler 18 inches is considered the standard penetration test.

Drive-press sample borings are made by means of a rotary-type drill rig, employing a 2" O.D., 1-3/8" I.D. drive sampler, and 3" O.D. thin-wall press sampler. The press sampler is advanced by continuous uniform pressure, applied by the drill rig.

The boring log sheets show a graphic plot of the information obtained, including depth and elevation of the sample, number of blows for the standard penetration tests in three 6-inch increments, depth of press samples, field sample number, sample description - based on laboratory tests and the Casagrande AC classification system - and gradation, plasticity, and moisture content determinations. Results of strength and consolidation testing, if performed, appear on separate enclosures.

At depths where materials are bouldery or gravelly to the extent that the sampler can not be driven, a wash sample is procured for visual classification, in order to determine the general character of the material. These samples are not considered sufficiently representative to warrant laboratory testing.

Particle Size Definitions

Boulders	12"	Cobbles	3"	Gravel	2.0mm (No. 10 sieve)	Coarse Sand	0.42mm (No. 40 sieve)	Fine Sand	0.074mm (No. 200 sieve)	Silt	0.005mm	Clay

LOG OF BORING

HOLLOW STEM

Date Started 4/10/79 — Sampler Type AUGER Dia. ____ — Water Elev. ____
Date Completed 4/10/79 — Casing: Length ____ Dia. ____
Boring No. B-2 — Station & Offset 25+84 - 34' RT (REAR ABUTMENT) — Surface Elev 757.5'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
757.5	0														
757.0					SOD AND TOPSOIL										
	2														
	4														
752.5															
	6	2/3/5			BROWN-GRAY SANDY CLAY	10	0	4	20	33	43	36	14	21	A-6a
750.0	8														
		1/1/3			GRAY-BROWN SANDY CLAY	11	0	4	21	19	56	38	15	27	A-6a
747.5	10														
		4/11/16			GRAY SANDY SILT	12	7	5	12	29	47	26	8	13	A-4a
745.0	12														
	14	8/17/21			GRAY GRAVELLY CLAY	13	19	5	9	21	46	29	12	16	A-6a
742.5	16														
		6/14/32			GRAY SANDY SILT	14	3	9	21	27	40	21	8	14	A-4a
740.0	18														
		9/24/37			GRAY SANDY SILT	15	6	5	22	42	25	NP	NP	14	A-4a
737.5	20														
		7/15/30			GRAY GRAVELLY SILT	16	31	3	8	24	34	26	3	12	A-4a
735.0	22														
					NO SAMPLE RECOVERED - LARGE STONES	-	-	-	-	-	-	-	-	-	VISUAL
732.5	24														
732.0		70(0.5')			GRAY SILTY GRAVELLY SAND — TOP OF ROCK	17	28	11	26	17	18	17	7	18	A-2-4
	26														
	28		4.2	0.3	DOLOMITIC LIMESTONE, LIGHT-GRAY, VUGGY, CRYSTALLINE IN VUGS, HARD, BADLY BROKEN AND JOINTED. CORE LOSS 7%.										
727.5	30														

BOTTOM OF BORING

LOG OF BORING

HOLLOW STEM

Date Started 4/9/79 — Sampler Type AUGER Dia. ____ — Water Elev. ____
Date Completed 4/10/79 — Casing: Length ____ Dia. ____
Boring No. B-3 — Station & Offset 26+55 - 17' LT (FORWARD ABUTMENT) — Surface Elev 759.4'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
759.4	0														
758.8					SOD AND TOPSOIL										
	2														
	4														
754.4															
	6	2/2/3			BROWN SANDY CLAY	1	0	3	22	29	46	38	17	20	A-6b
751.9	8														
		3/3/5			BROWN SANDY CLAY	2	4	8	18	28	42	31	12	21	A-6a
749.4	10														
		11/23/21			BROWN-GRAY SANDY SILT	3	12	10	14	28	36	23	8	12	A-4a
746.9	12														
	14	6/13/19			GRAY SANDY CLAY	4	7	6	12	27	48	27	12	12	A-6a
744.4	16														
		4/11/15			GRAY SANDY CLAY	5	6	6	12	28	48	27	11	12	A-6a
741.9	18														
		6/49			GRAY SANDY SILT	6	6	8	30	37	19	14	4	9	A-4a
739.4	20														
		47/30/23			GRAY GRAVELLY CLAY	7	29	4	9	28	30	25	12	11	A-6a
736.9	22														
	24	19/37/56			GRAY CLAYEY SILT	8	4	3	7	34	52	26	10	10	A-4a
734.4		68(0.5')			GRAY SANDY GRAVELLY SILT	9	27	9	11	26	27	20	8	14	A-4a
732.4	26				TOP OF ROCK										
	28														
	30		4.7	0.3	DOLOMITIC LIMESTONE, LIGHT-GRAY, VUGGY, CRYSTALLINE IN VUGS, HARD, BADLY BROKEN AND JOINTED. CORE LOSS 6%.										
727.4	32														

BOTTOM OF BORING

NOTE - ALL AVAILABLE SOIL AND BEDROCK INFORMATION WHICH CAN BE CONVENIENTLY SHOWN ON THE STRUCTURE FOUNDATION INVESTIGATION SHEETS HAS BEEN SO REPORTED. ADDITIONAL SUBSURFACE INVESTIGATIONS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECT OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE, THE BUREAU OF TESTS AT 1600 WEST BROAD STREET, THE PAVEMENT AND SOILS SECTION OF THE BUREAU OF LOCATION AND DESIGN OR IN THE BRIDGE BUREAU AT 25 SOUTH FRONT STREET.

NOTE: Information shown by this subsurface investigation was obtained solely for the use in establishing design controls for the project. The State of Ohio does not guarantee the accuracy of this data and it is not to be construed as a part of the plans governing construction of the project.

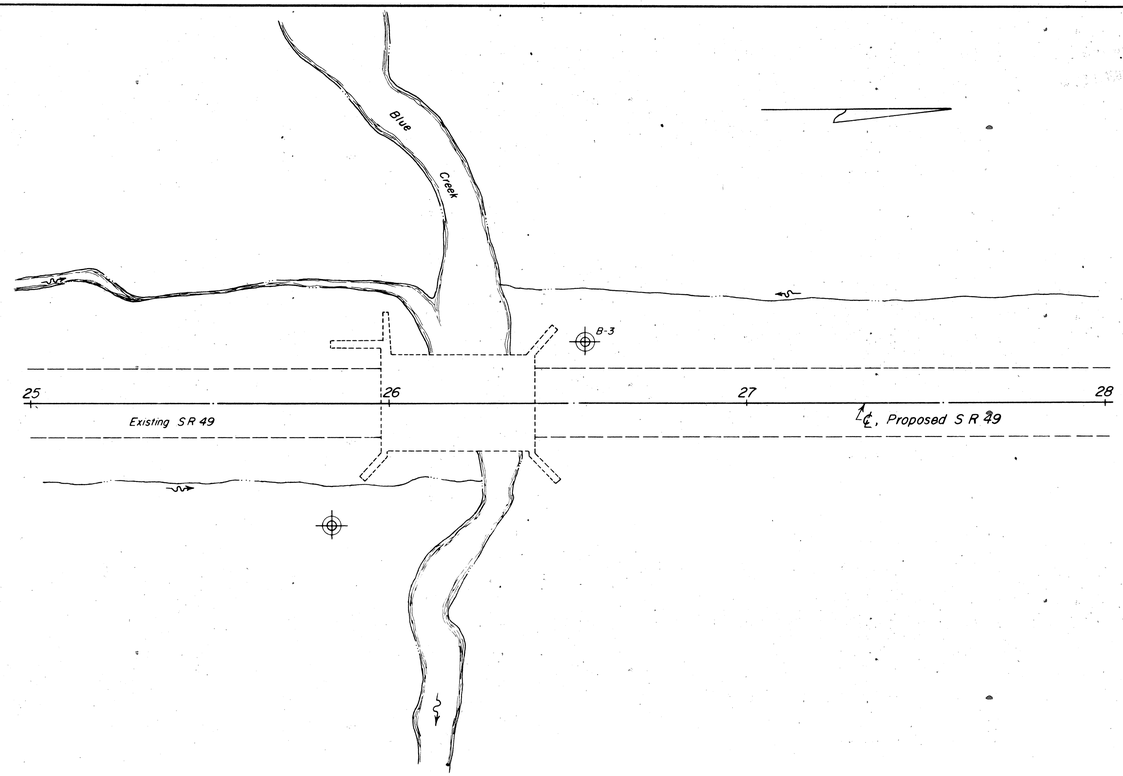
OHIO DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS — TESTING LABORATORY
1600 WEST BROAD STREET, COLUMBUS, OHIO 43223

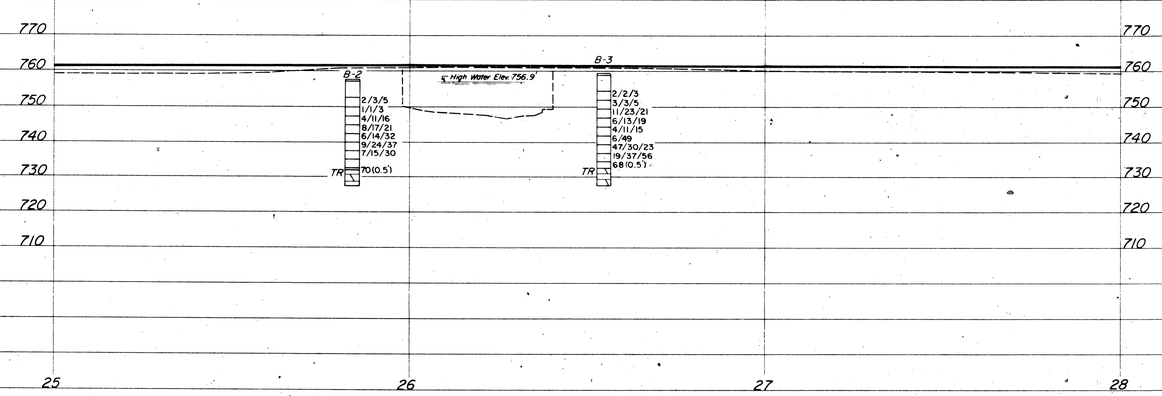
STRUCTURE FOUNDATION INVESTIGATION
BRIDGE NO. PAU-49-0049
OVER BLUE CREEK
SEC. PAU-49-0.38

CHECKED BY	REVIEWED BY	DATE
L. N. L.	R. D. R.	5/25/79

TE - 119
500 - 1 - 76

PAU-49-0.38 2/2





SCALE: 1" = 20'

OHIO DEPARTMENT OF TRANSPORTATION
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STRUCTURE FOUNDATION INVESTIGATION

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PLAN AND PROFILE

DRAWN BY	CHECKED BY	REVIEWED BY	DATE
L. N. L.	L. N. L.	R. D. R.	5/25/79