# No PID C No. 320013

### STATE OF OHIO

### DEPARTMENT OF HIGHWAYS

## CLEVELAND - ELYRIA ROAD

S. H. NO. 31

PET. NO. 7566

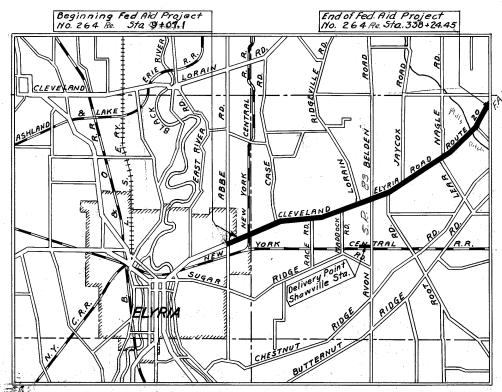
SEC S. D. E. & ELYRIA

### LORAIN

COUNTY

FEDERAL AID PROJECT NO. 264. RE. ELYRIA & RIDGEVILLE TWPS.

JANUARY 1932



#### LOCATION PLAN SCALE OF MILES

PORTION TO BE IMPROVED IMPROVED ROADS DETOURS SHOWN THUS



		and the second s	
SCALES		INDEX OF SHEETS	F
PLAN	l" = 50'	TITLE PAGE	1
PROFILE VERTICAL	1"= 10'	TYPICAL CROSS SECTION	2
PROFILE HORIZONTAL	1"= 50'	PLANS AND PROFILE	3' -
CROSS SECTION	1"= 5'	INTERSEC & MERGERS	64 -
		CROSS SECTIONS	27 -
		STRUCTURAL PLANS	66 -
		STRUCTURAL SUMMARY	72
		TABLES-	73
SUPPLEMENTAL S	TAKIDADA	CACULATIONS	74
		SUMMARY	75
DRAWINGS NO 95	-98-700-300-305	역과 역사를 가는 경우 보다는 보다 있다면 보다 있다면 보다.	
$B_{\mathcal{A}}$	-A, RR-A, C-W-A,	하는 것이 하는 사람들은 살레워(시나)	
$A^{-}$	CA.		

The Standard Specifications of the STATE OF OHIO, Department of Highways, in force on date of Contract will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that right of way has been provided, and all buildings to be removed and paid for by the State.

Approved: M. Lagron

Date 5-27-32 Resident District

Deputy Director.

Approved: LR Ault
Date 8-32 Resident Division
Deputy Director

Olmer Hilte Date 121-32 Chief Engineer Bureau of Construction

Approve d:\_\_\_\_ Chief Engineer Bureau of Maintenance

Approved:\_ Chief Engineer Bureau of Bridges

Approved: Date 10-232 Chief Engineer 1st Asst. Director

Date 4-2)-32 State Highway Director

Recommended for approval: District Engineer Bureau of Public Roads.

Recommended for approval: Chief Engineer Bureau of Public Roads

Approved:\_ Date\_\_\_\_ Chief of Bureau.

OK. For Il foot torick widn'y and

RESIDENT ENGR'S PLAN A Date Dec - 31 Line by Jan. 32 Levels by

FED. ROAD STATE FED. AID FISCAL PROJECT YEAR 10 OH10 264Re 1932

LOR-20-(18,23-21,29)

LORAIN

S. H. NO. 31 SEC'S. D & E - ELYRIA

COUNTY.

April 32 Drawn by R.1.5. April 32 Checked by 4-28-32 To Div. Office by

CONSTRUCTION BUREAU AUG 24 1955 GROUND PHOTOLAB

CONVENTIONAL SIGNS

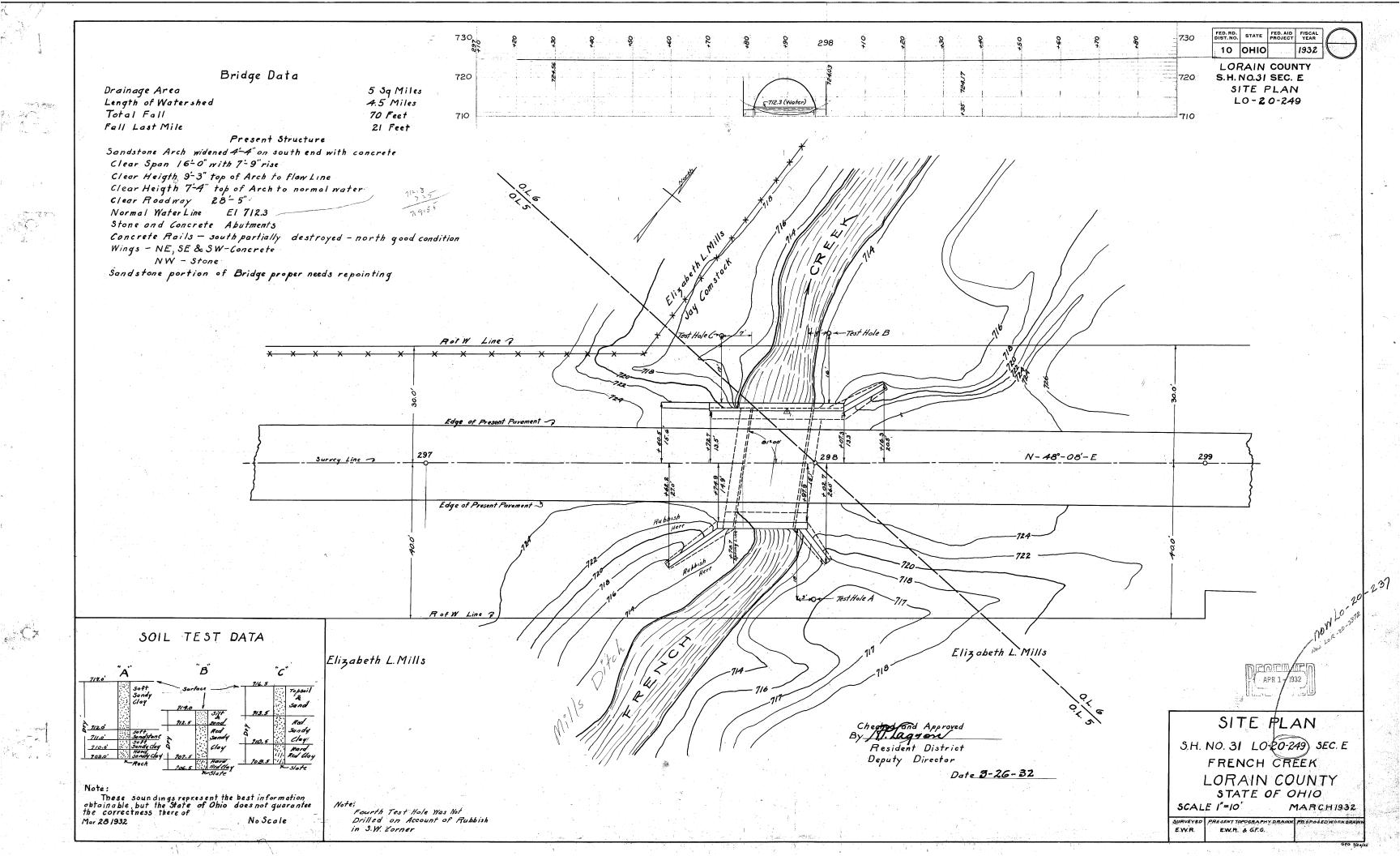
State Line County Line Township Line Section Line Property Line Not Fenced Center Line City or Village Line Fence Telephone or Telegraph TTT Steam Railroad Electric Railroad Drain Pipe New Drain Pipe Old

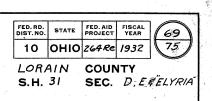
We the Commissioners of Lorain County, hereby approve these plans and certify that the right-of-way 60 feet wide is available for the construction, maintenance and repair of the above highway.

County Commissioners.

LOR-20-(18.23-21.29 LORAIN 31 DE & ELYRIA

Contract No 5575 & 5576





#### WORK REQUIRED.

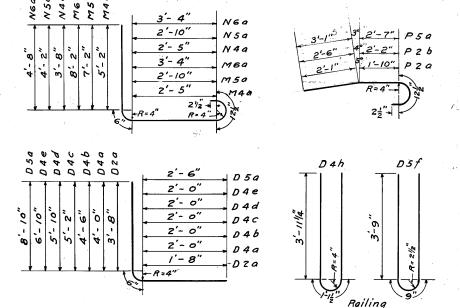
Remove existing rail and wings on right. Extend remaining arch to right with 16'-0"x 14-10" concrete arch. Build Std. Wings & Parapet with Conc. Rail.

A strip of Type "B" water proofing 36 wide is to be placed over the back of the Contraction joints, Construction joints in arch ring and abut ments above footers, Construction joint between Spandrel wall and arch barrel and joint between old and new work.

The remaining Surface of the extrados of arch barrel, backs of abutments and backs of wings shall be water proofed with Type "A" water proofing.

Standard 24 oz Copper Contraction joints are to be placed between the wings and the Spandrel wall and the abutments extending from top of wall to top of Footers.

4 inch weep holes are to be placed at the locations Shown. The French drains are to extend full length of abutments and wings. Payment for weep holes and French drains to be included in excavation and back fill.

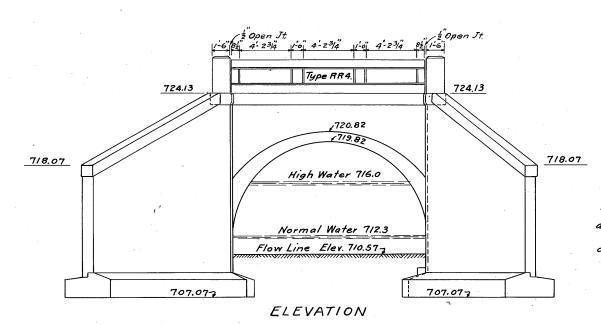


15'-10"

Railing

-R=2"

A 2 a         I/2" \$\phi\$         9" o"         30         I/80         I'-0"         Str.           A 2 b         " I0" -8"         30         205         " "           A 2 c         " I0" -8"         30         214         " "           A 2 c         " 4" o"         60         I/60         " "           A 2 c         " 4" o"         60         I/60         " "           B 2 a         " I/4" o"         50         I/60         " "           B 2 a         " I/4" o"         50         I/6"         38         368         2" o"         " "           C X b         " 2" o"         52         17         " Bent           C X b         " 2" o"         50         8         4         " "           C X b         " 2" o"         50         8         4         " "           D 2 a         1/2" o"         4         16         1" o"         " "           C X b         " 2" o"         4         16         1" o"         " "           D 4 c         " 7" o"         2         1/4         " "         " "           D 4 c         " 7" o"         2         1/5         " "         " "	Mark	Size	Length	Number	Weight	Spacing	Kind
A 2 b         " 10'-3"         30         205         " " " " " " " " " " " " " " " " " " "	AZa	1/2" ф	9'-0"	30 4	180	1'-0"	Str.
R2C         " 10'-8"         30         214         "         "         R2d         "         9'-2"         30         184         "         "         R2d         "         9'-2"         30         184         "         "         "         R2d         "         "         "         "         "         "         R2d         "         "         "         "         "         R2d         "         "         "         R2d         "         "         "         R2d         "         R2d         "         "         "         "         "         R2d         "	AZb	<del></del>		30		t)	"
A2e         "         4'-0"         60         160         "         B2a         "         14'-6"         38         368         2'-0%         "         Bent         "         CXA         "/4" \$ 2'-0"         52         17         "         Bent         "         "         "         Bent         "         "         "         Bent         "         "         "         Bent         "         "         "         "         Bent         "         "         "         "         "         "         "         Bent         "         "         "         "         "         "         "         "         "         "         Bent         " <td< td=""><td>AZC</td><td>"</td><td>10'-8"</td><td>30</td><td>214</td><td>, ,,</td><td>"</td></td<>	AZC	"	10'-8"	30	214	, ,,	"
B2a         "    4'-6"      38    368    2'-0%	AZd	"	9'-2"	30	184	"	**
B 2 a         "   4'-6"   38   368   2'-0 <sub>kpp</sub>   "           C × a   ½, φ   2'-0"   52   17   "         Bent           C × b   "   2'-6"   8   3   "         "   α           C × b   "   3'-0   8   4   "   "         "   α           C × c   "   3'-0   8   4   "   "   "         "   α           D 2 a   ½, φ   5'-10   4   16   ½-0"   "         "   α           D 4 a   5½, φ   6'-6"   2   1/4   "   "   "         "   α           D 4 b   "   7'-0"   2   1/5   "   "   "         "   α           D 4 c   "   7'-8"   2   1/9   "   "   "   "         "   α           D 4 c   "   9'-4"   2   1/9   "   "   "   "   "         "   α           D 4 c   "   9'-6"   2   1/9   "   "   "   "   "   "            "   α           D 4 c   "   9'-6"   2   1/9   "   "   "   "            "   α           D 4 c   "   9'-6"   2   1/9   "   "   "   "            "   α           D 4 c   "   9'-6"   2   1/9   "   "   "            "   α           D 4 c   "   9'-6"   2   1/9   "   "   "            "   α           D 4 c   "   9'-6"   2   1/9   "   "   "            "   α           D 5 c   "   9'-6"   2   1/9   "   "            "   5'-7"   2   2/4   "   Str.           D 5 c   "   10'-6"   2   36   "   "            "   α           D 5 c   "   10'-6"   2   32   "   "   "              D 5 c   "   10'-6"   2   2/4   "   Str.           D 5 c   "   10'-6"   3   2   2/4   "	Aze	111	4'-0"	60	160	"	•
C x a	BZa		14'-6"	38		2'- 0"	"
Cxb " 3'-0" 8 4 " " " " " " " " " " " " " " " " "		1/4" \$	2'-0"		17		Bent
D2a         ½ φ         5'-10         4         16         1'-0"         n           D4a         5/8 φ         6'-6"         2         14         n         n           D4b         n         7'-0"         2         15         n         n           D4b         n         7'-0"         2         15         n         n           D4c         n         7'-0"         2         16         n         n           D4d         n         8'-4"         2         17         n         n           D4d         n         8'-4"         2         19         n         n           D4d         n         9'-4"         2         19         n         n           D4d         n         19'-0"         3         59         n         n           D4d         n         19'-0"         3         59         n         n           D4d         n         10'-0"         2         24         n         Str.           D5b         n         8'-0"         2         24         n         Str.           D5c         n         7'-0"         2         21	Cxb		2'-6"	8	3	"	**
04a         5/8 φ         6'-6"         2         1/4         "         "           04b         7'-0"         2         1/5         "         "           04c         "         7'-8         2         1/6         "         "           04d         "         8'-4"         2         1/7         "         "         "           04e         "         9'-4"         2         1/9         "         "         "           04e         "         9'-4"         2         1/9         "         "         "           04e         "         9'-4"         2         1/9         "	CXC	"	3'-0	8	4		
D4a         5/8 φ         6'-6"         2         1/4         "         "           D4b         7'-0"         2         1/5         "         "           D4C         "         7'-8         2         1/6         "         "           D4d         "         8'-4"         2         1/7         "         "         "           D4e         "         9'-4"         2         1/9         "         "         "           D4f         "         9'-4"         2         1/9         "         "         "           D4g         "         5'-6"         2         10         "         *         *         *         *         *	020	1/2" ф	5'-10	4	16	1'-0"	",
D4b         " 7'-0"         2         15         " "         " "         D4C         " 7'-8         2         16         " "         " "         D4d         " 8'-4"         2         17         " "         " "         " "         D4d         " "         9'-4"         2         17         " " </td <td>040</td> <td></td> <td>6'-6"</td> <td>2</td> <td>14</td> <td></td> <td>n</td>	040		6'-6"	2	14		n
D4d         "8'-4"         2         17         """ <td>046</td> <td>"</td> <td>7'-0"</td> <td></td> <td>15</td> <td>**</td> <td>. "</td>	046	"	7'-0"		15	**	. "
D4d         "8'-4"         2         17         """ <td>DAC</td> <td>. ,,</td> <td>7'-8</td> <td>2</td> <td>16</td> <td>••</td> <td>-1</td>	DAC	. ,,	7'-8	2	16	••	-1
D4e         "         9'-4"         2         19         "<		",	8'-4"	2	17.	••	"
D4f         " /9'-0"         3         59         " "           D4g         " 5'-0"         2         10         " "           D5a         3/4"\$\phi\$ //'-0"         2         36         " "           D5b         " 8'-0"         2         24         " Sfr.           D5c         " 10'-6"         2         32         " "           D5c         " 7'-0"         2         21         " "           D5e         " 9'-3"         2         28         " "           D5e         " 9'-3"         2         28         " "           M4a         5/6" 9         9'-4"         5         49         2'-0"         Bent           M5a         3/4" 9         1/1-9"         6         106         15"         "           M6a         7/6" 9         9'-4"         5         49         2'-0"         Bent           M5a         3/4" 9         1/1-9"         6         106         15"         "           M6a         7/6" 9         9'-9"         0         199         /3         "           N5a         3/4" 9         5'-2"         9         31         1'-0"         "	D4e	"		2	19	•,	""
D49		. ,,			59	••	-
D5a   3¼	049	511			10	"	"
D5b		3/4" p	11'-10"		36	**	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			8'-0"		24	.,	Str.
D5d		"	10'-6"	2	32	"	/-
D5e	_	,,	7'-0"	2	21	"	"
T4a         5/6" \$ 9'-4"         5         49         2'-0"         Bent           M5a         3/4" \$ 1/'-9"         6         106         15"         """           M6a         1/6 \$ 13'-3"         8         217.         13"         ""           N4a         5/6 \$ 7'-10"         5         41         2'-0"         ""           N5a         3/4" \$ 8'-9"         6         79         15"         ""           N6a         7/6 \$ 9'-9"         10         199         13         ""           P2a         1/2" \$ 5'-2"         9         31         1'-0"         ""           P2b         "         5'-1/"         12         47         7/2"         ""           P5a         3/4" \$ 6'-1/"         12         12'5         93/4"         ""         ""           O4b         "         13'-3"         6         70         15"         ""           O4b <td></td> <td>"</td> <td>9'-3"</td> <td>2</td> <td>28</td> <td>"</td> <td>"</td>		"	9'-3"	2	28	"	"
$M5a$ $3/4$ $\phi$ $1/1-9$ " $6$ $106$ $15$ " $n$ $M6a$ $7/6$ $\phi$ $13'-3$ " $8$ $217$ $13$ " $n$ $N4a$ $5/6$ $\phi$ $7-10$ " $5$ $41$ $2-0$ " $n$ $N5a$ $3/4$ $\phi$ $6-9$ " $6$ $79$ $15$ " $n$ $N6a$ $7/6$ $\phi$ $8-9$ " $6$ $79$ $13$ " $n$ $N6a$ $7/6$ $\phi$ $9-9$ " $10$ $199$ $13$ $n$ $N6a$ $7/6$ $\phi$ $9-9$ " $10$ $199$ $13$ $n$ $N6a$ $7/6$ $\phi$ $9-9$ " $10$ $199$ $13$ $n$ $N6a$ $1/2$ $\phi$ $9-9$ " $10$ $199$ $13$ $n$ $N6a$ $1/2$ $\phi$ $9-9$ " $10$ $199$ $13$ $10$ $N6a$ $1/2$ $\phi$ $9-3$ " $5$ $31$ $1-0$ " $10$ $N6a$ $1/2$ $\phi$ $9-3$ " $5$ $31$ $2$ $0$ " $3$ $3$ $3$		5/8" ф		5	49	2'- 0"	Bent
$M6a$ $7/8$ $6$ $13'-3"$ $8$ $217.$ $13"$ $n$ $N4a$ $5/8$ $\phi$ $7'-10"$ $5$ $41$ $2'-0"$ $n$ $N5a$ $3/4$ $\phi$ $8'-9"$ $6$ $79$ $15"$ $n$ $N6a$ $7/8$ $\phi$ $9'-9"$ $10$ $199$ $13$ $n$ $N6a$ $7/8$ $\phi$ $9'-9"$ $10$ $199$ $13$ $n$ $N6a$ $7/8$ $\phi$ $9'-9"$ $10$ $199$ $13$ $n$ $P2a$ $1/2$ $\phi$ $5'-2"$ $9$ $31$ $1'-0"$ $n$ $P2a$ $1/2$ $\phi$ $5'-10"$ $12$ $47$ $7/2"$ $n$ $P2a$ $3/4$ $\phi$ $6'-1/1"$ $12$ $125$ $9^3/4$ $n$ $02a$ $1/2$ $\phi$ $9'-3"$ $\phi$ $13$ $13$ $13$ $13$ $04b$ $n$ $1/3'-3"$ $10$ $138$ $13"$ $13"$ $13"$ <			11'-9"		106	15"/	
N4a $\sqrt[3]{8} \phi$ 7'-10"       5       41       2'-0"       u         N5a $\sqrt[3]{4} \phi$ 8'-9"       6       79       15"       u         N6a $\sqrt[7]{6} \phi$ 9'-9"       10       199       13       u         P2a $\sqrt[7]{2} \phi$ 5'-2"       9       31       1'-0"       u         P2b       "       5'-11"       12       47 $7''''''$ u         P5a $\sqrt[3]{4} \phi$ 6'-11"       12       125 $9\sqrt[3]{4}$ "       u         O2a $\sqrt[3]{2} \phi$ 9'-3"       5       31       2'-0"       Str.         O4a $\sqrt[5]{6} \phi$ 1/-3"       6       70       15"       u         O4b       "       /3'-3"       10       138       13"       u         R4a       "       4'-6"       2       9       Shown       u         R4b       "       13'-3"       10       138       13"       u         R4c       "       13'-9"       6       86       2'0"       u         R4c       "       15'-7"       3       49       Shown       u	M60		13'-3"	8	217.	/3"	- 11
NGA $7/8 \phi$ $9'-9''$ 10 $(99)$ 13 $u$ P2A $1/2^{\circ} \phi$ $5'-2''$ $9$ $31$ $1'-0''$ $u$ P2b $u$ $5'-1/l''$ $12$ $47$ $7'/2''$ $u$ P5A $3/4^{\circ} \phi$ $6'-1/l''$ $12$ $125$ $9\frac{3}{4}''$ $u$ P5A $3/4^{\circ} \phi$ $9'-3''$ $5$ $31$ $2'-0''$ $5/7$ O2A $1/2^{\circ} \phi$ $9'-3''$ $5$ $31$ $2'-0''$ $5/7$ O4A $5/8^{\circ} \phi$ $1/1-3''$ $6$ $70$ $15'''$ $n$ O4B $u$ $1/3-3''$ $10$ $138$ $13''''$ $n$ O4B $u$ $1/3-3'''$ $10$ $138$ $13'''''$ $n$ R4A $u$ $1/3-9''''$ $6$ $86$ $2'\cdot0'''''$ $u$ R4C $u$ $1/3-9'''''$ $3$ $49$ $5000000000000000000000000000000000000$	N4a		7'-10"	5	41	2'-0"	4
NGA $7/8 \phi$ $9'-9''$ 10 $(99)$ 13 $u$ P2A $1/2^{\circ} \phi$ $5'-2''$ $9$ $31$ $1'-0''$ $u$ P2b $u$ $5'-1/l''$ $12$ $47$ $7'/2''$ $u$ P5A $3/4^{\circ} \phi$ $6'-1/l''$ $12$ $125$ $9\frac{3}{4}''$ $u$ P5A $3/4^{\circ} \phi$ $9'-3''$ $5$ $31$ $2'-0''$ $5/7$ O2A $1/2^{\circ} \phi$ $9'-3''$ $5$ $31$ $2'-0''$ $5/7$ O4A $5/8^{\circ} \phi$ $1/1-3''$ $6$ $70$ $15'''$ $n$ O4B $u$ $1/3-3''$ $10$ $138$ $13''''$ $n$ O4B $u$ $1/3-3'''$ $10$ $138$ $13'''''$ $n$ R4A $u$ $1/3-9''''$ $6$ $86$ $2'\cdot0'''''$ $u$ R4C $u$ $1/3-9'''''$ $3$ $49$ $5000000000000000000000000000000000000$	N5a	3/4" ф	8-9"	6	79	15"	4
$P2a$ $1/2^{\circ} \phi$ $5'-2''$ $9$ $31$ $1'-0''$ $u$ $P2b$ $u$ $5'-1/i''$ $12$ $47$ $7'/2''$ $n$ $P5a$ $3/4^{\circ} \phi$ $6'-1/i''$ $12$ $125$ $9\frac{3}{4}^{\circ}$ $n$ $O2a$ $1/2^{\circ} \phi$ $9-3''$ $5$ $31$ $2'-0''$ $5fx$ $O4a$ $5/6^{\circ} \phi$ $1/1-3'''$ $6$ $70$ $15''''$ $n$ $O4b$ $u$ $1/3-3'''$ $6$ $70$ $15'''''$ $n$ $O4b$ $u$ $1/3-3'''$ $6$ $70$ $15''''''$ $n$ $O4b$ $u$ $1/3-3''''$ $138$ $13''''''''''''''''''''''''''''''''''''$		7/8 \$	9'-9"	10		/3	'4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	P2a		5'-2"	9	31	1'-0"	4
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$02a$ $1/2^{-}\phi$ $9'-3''$ $5$ $31$ $2'-0''$ $Str.$ $04a$ $5/6^{-}\phi$ $1/1-3''$ $6$ $70$ $15'''$ $9$ $04b$ $13'-3''$ $10$ $138$ $13''$	P59	3/4" ф	6'-11"		125		"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	02a		9'-3"	5	31		Str.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	049	5/8 ¢	11'-3"	6	70	15"	
R4a       " ' 4'-6"       2       9       Shown       "         R4b       " 8'-3"       2       17       Shown       "         R4c       " /3'-9"       6       86       2'0"       "         R4e       " /5'-7"       3       49       Shown       "         R4d       " /2'-6"       1       /3       Shown       "         R4f       " /4'-4"       3       45       Shown       "         R4f       " /2'-2"       9       1/4       2'-0"       "         R4h       " /2'-2"       9       1/4       2'-0"       "         R4l       " /2'-2"       9       1/4       2'-0"       "         R4J       " /3'-0"       3       41       Shown       "         R4J       " /3'-0"       3       41       Shown       "         T6a       7/8 \( \phi \) 5'-0"       12       1/2'3       6/2"       "         04h       5/8 \( \phi \) 5'-0"       4       38       Bent         D5f       3/4 \( \phi \) 8'-3"       8       9/9       "         R4a       5/8 \( \phi \) 7'-10"       2       Included       "	046		/3'-3"	10		/3"	
R4b       "8'-3"       2       17 $Shown$ " $R4c$ "13'-9"       6 $36$ $2'-0"$ " $R4e$ "15'-7"       3 $49$ $Shown$ " $R4d$ "12'-6"       1 $13$ $Shown$ " $R4f$ "14'-4"       3 $45$ $Shown$ " $R4g$ "17'-0"       2 $23$ $Shown$ " $R4h$ "12'-2"       9 $114$ $2'-0"$ " $R4h$ "13'-0"       9 $114$ $2'-0"$ " $R4h$ "13'-0"       3 $41$ $Shown$ " $R4J$ "13'-0"       4 $38$ $Bent$ $R4J$ "14'-4"       3 $38$	RAO	ii i		2	9		.,
R4C       " $ 3'-9" $ 6       86 $2' \cdot 0"$ "         R4e       " $ 5'-7" $ 3       49       Shown       "         R4d       " $ 2'-6" $ f $ 3 $ Shown       "         R4f       " $ 4'-4" $ 3       45       Shown       "         R4g       " $ 1'-0" $ 2       23       Shown       "         R4h       " $ 2'-2" $ 9 $ 1/4 $ $2'-0" $ "         R4I       " $ 3'-6" $ 1 $ 0 $ Shown       "         R4J       " $ 3'-0" $ 3 $ 4 $ Shown       "         R4J       " $ 3'-0" $ 3 $ 4 $ Shown       "         T6a $ 7 8 $ $ 5'-0" $ $ 2 $ $ 2 $ $ 2 $ $ 2 $ $ 2 $ $ 3 $	R46	"		2	17	shown	.,
RAd       " $12'-6''$ f $13$ Shown       "         RAf       " $14'-4''$ 3 $45$ Shown       "         RAg       " $17'-0''$ 2 $23$ Shown       "         RAh       " $12'-2''$ 9 $1/4$ $2'-0''$ "         RAI       " $9'-6''$ 1 $10$ Shown       "         RAJ       " $13-0''$ 3 $41$ Shown       "         TEa $7/8$ $9'-0''$ $4$ $36$ $6/2''$ "         D4h $5/8$ $9'-0''$ $4$ $38$ $80$ $90$ "         R4a $5/8$ $47'-10''$ $2$ $4$	R4C	"	13'-9"		86	2'-0"	.,
RAd       " $12'-6''$ f $13$ Shown       "         RAf       " $14'-4''$ 3 $45$ Shown       "         RAg       " $17'-0''$ 2 $23$ Shown       "         RAh       " $12'-2''$ 9 $1/4$ $2'-0''$ "         RAI       " $9'-6''$ 1 $10$ Shown       "         RAJ       " $13-0''$ 3 $41$ Shown       "         TEa $7/8$ $9'-0''$ $4$ $36$ $6/2''$ "         D4h $5/8$ $9'-0''$ $4$ $38$ $80$ $90$ "         R4a $5/8$ $47'-10''$ $2$ $4$	R4e	"	15'-7"	3	49	Shown	- 11
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		"			13		.,
R4g $ 1'-0'' $ $ 2 $ $ 23 $ $ 25 $			1 1			1	4
R4h       " $/2-2"$ 9 $/2-0"$ "         R4I       "       9'-6"       1 $/0$ <							H
R4I       " 9'-6"       1 10 Shown       "         R4J       " 13-0"       3 41 Shown       "         T6a       7/8 \$\phi\$ 5'-0"       12 123 6/2"       "         04h       5/8 \$\phi\$ 9'-0"       4 38 Bent       Bent         D5f       3/4 \$\phi\$ 8'-3"       8 99       "         R4a       5/8 \$\phi\$ 17'-10"       2 Included       "         R4b       " 16'-11"       2 in payment       "         R1C       3/8 15'-10"       2 for railing       Str.		",	1	9 4	114	2'-0"	"
R4J       "       13-0"       3       41       Shown       "         T6a       7/8 \( \phi \)       5'-0"       12       123       6½"       "         04h       5/8 \( \phi \)       9'-0"       4       38       Bent         D5f       3/4 \( \phi \)       8'-3"       8       99       "         R4a       5/8 \( \phi \)       17'-10"       2       Included       "         R4b       "       16'-11"       2       in payment       "         R1C       3/8       15'-10"       2       for railing       Str.		. "					"
T6a       7/8 \( \phi \)       5'-0"       12       123       6½"       "         D4h       5/8 \( \phi \)       9'-0"       4       38       Bent         D5f       3/4 \( \phi \)       8'-3"       8       9/9       "         R4a       5/8 \( \phi \)       17'-10"       2       Included in payment       "         R4b       "       16'-11"       2       in payment for railing       Str.		.,					"
04h       5/8 \( \phi \)       9'-0"       4       38       Bent         05f       3/4 \( \phi \)       8'-3"       8       9'9       "         R4a       5/8 \( \phi \)       17'-10"       2       Included       "         R4b       "       16'-11"       2       in payment       "         R1C       3/8       15'-10"       2       for railing       Str.		7/8 ¢	* 47				11
D5f   3/4   8'-3"   8   99   "   R4a   5/8   17'-10"   2   Included   "   R4b   "   16'-11"   2   In payment   "   R1C   3/8   15'-10"   2   for railing   Str.							Bent
R40 5/8 17'-10" 2 Included ".  R4b " 16'-11" 2 in payment ".  R1C 3/8 15'-10" 2 for railing Str.							
R4b " 16'-11" 2 in payment "  R1C 3/8 15'-10" 2 for railing Str.					ļ		. ,
RIC 3/8 15'-10" 2 for railing Str.							
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t of Pavement

9°L.H.F. Skew

Std. Contraction Joint

PLAN

ESTIMATED QUANTITIES

75 Cu. Yds. 75 Cu. Yds. 90 Sq. Yds. 25 Cu. Yds. 11.1 Cu. Yds.

29.4 Cu. Yds.

124 Cu. Yds. 245 Cu. Yds.

16 Ft. 5 Sq Mi. 45 Miles

70 Ft. 21 Ft Clay 716.0

3,442

Lbs. Lin.ft. Sq. Yds. Sq. Yds. Pieces

Excavation Unclassified
Channel Excavation
Old Masonry Repointed
Masonry Removed
1:6/2 Concr. Arch Footers
1:5/2 Concr. Arch Ring
1:5/2 Concr. Wing Wall Footers
1:5/2 Concr. Walls
Reinforcing Steel
24 oz Copper Cont. Ht 1/2" Strip
Tupe B Water proofing

Type B Water proofing
Type R Water proofing
Type R Water proofing
Dowels 3|4"x24"(With holes)
Railing Type RR4

Drainage Area Length of Watershed Total Fall Fall Last Mile

Foundation High Water Level

BRIDGE DATA
Present Bridge - Stone & Concr. Arch.

Note:
Concrete in arch footers is to be 1:61/2 Mix, and all remaining concrete is to be 1:51/2 Mix.

Details not shown here ore to be in the land accordance with Drawings No CW-R and AC-A, & RR-A

BR. NO. LO 20-249

GENERAL PLAN & ELEVATION

SH. NO. 31 SEC. E-BR.

FRENCH CREEK

LORAIN COUNTY

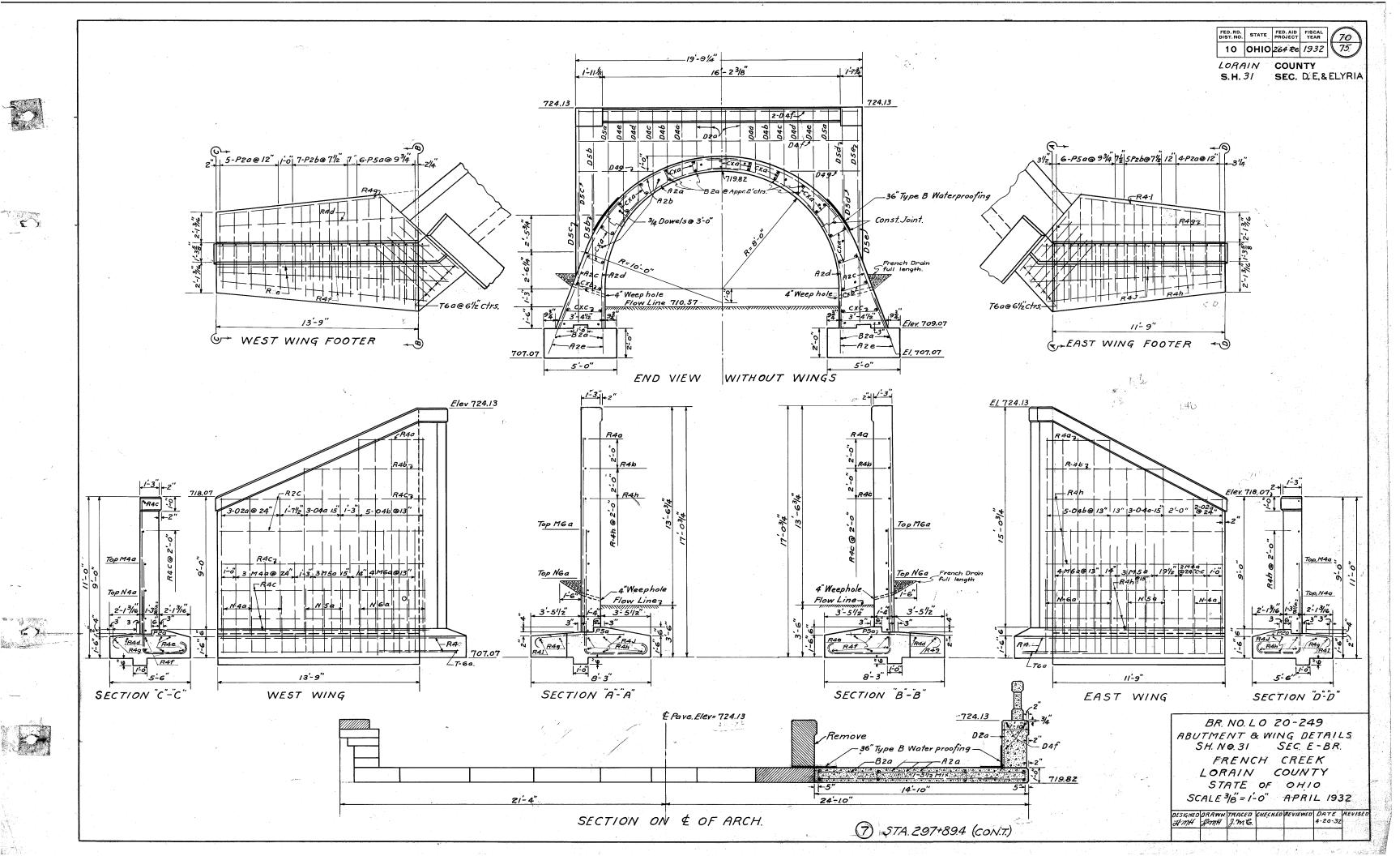
STATE OF OHIO

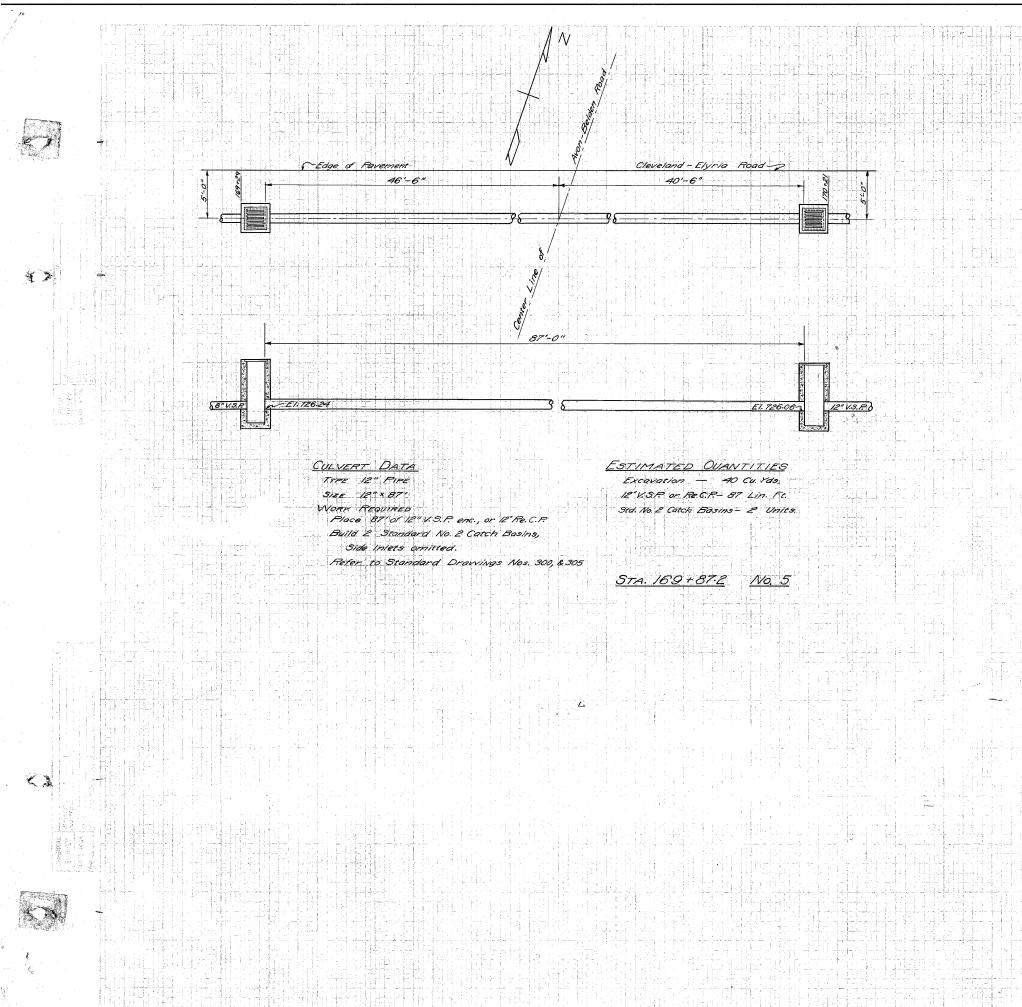
SCALE 1/4"=1'-0" APRIL 1932

DESIGNED DRAWN TRACED CHECKED REVIEWED DATE REVIS

JMH JMH J.M.H J.M.G. 4-21-32

No.7 Sta 297 +894





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LORAIN COUNTY S. H. 31 SECS. D,E,& ELYRIA