LAKE COUNTY STATE HIGHWAY

I.C.H. No 2 PETITION No 852.

CLEVELAND - BUFFALO ROAD

FROM MENTOR VILLAGE TO PAINESVILLE TOWNSHIP

Datum of Elevations = U.S.G.S. Bench Mark "695 Cleveland" - Elevation 695.25

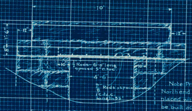
March 1st, 1915

H. P. CUMINGS - RESIDENT ENGINEER

C. S. FULLERTON - ASS'T - ENGINEER

APPROVED - Frank B. Willis
GOVERNOR OF OHIO.

APPROVED - James R. Marker
STATE HIGHWAY COMMISSIONER.

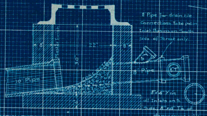

10'
12"
12"
1'-6"
8"
10"
$\frac{1}{2}$" Rods - 6'-0" long spaced 5" c. to c.
10"
4'-6"
$\frac{3}{8}$" Rods, spaced 1' c. to c. length 35'

End View of Culvert at Sta. 241+50

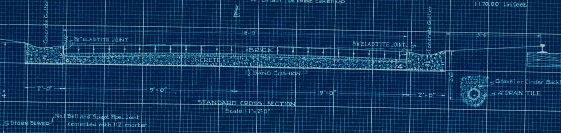
Note: Present Top of Culvert (b
North end and St. Car Track) to
placed with Reinforced Concre
be built according to State High
Standard Plan of 5'x3' Reinfor
Concrete Culvert. Concrete-

APPROXIMATE QUANTITIES

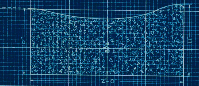
Grading (Excavation)	7793.10	Cu. Yds.
Grading Fill (possible within limits of Right of Way to be made in each section where excavation will provide)	5056.30	Cu. Yds.
Brick Pavement on Concrete Foundation	23962.00	Sq. Yds.
Concrete Gutter	23962.00	Lin. feet
4" Vitrified Drain Tile between Car Track and Pavement	11980.00	Lin. feet
Twelve Inch Pipe Sewer	5190.00	Lin. feet
Ten Inch Pipe Sewer	3900.00	Lin. feet
Inlet Basins including Y and T connections for drain tile	38	
Manholes	1	
10"x12" Y's	11	
10"x10" Y's	8	
Concrete in Headwall and Top for Culvert at Station 241+50	6.42	Cu. Yds.
$\frac{1}{2}$" Reinforcing Rods for Culvert Top	433.50	Pounds
$\frac{3}{8}$" Reinforcing Rods for Culvert Top	83.65	"
4" Drain Tile to be taken up	1170.00	Lin. feet


8"
22"
8"
Plaster finish
30"
6"
10" Pipe
Concrete
4" T
8" Pipe
4" T
8" Pipe for drain tile connections. To be put in Inlet Basins on South side of Street only.
8"x4" Y in all Inlets on S. Side; 8"x4" T's at depressions only.

SECTION THROUGH STANDARD INLET BASIN
Scale 3/4 : 1 ft.

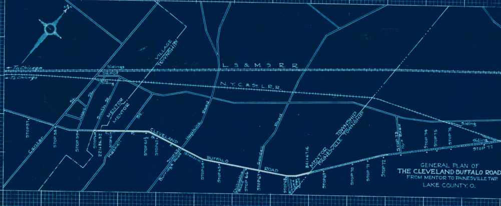

Concrete Gutter
$\frac{3}{8}$" ELASTITE JOINT
18'-0"
BRICK
CONCRETE
$1\frac{1}{2}$" SAND CUSHION
$\frac{3}{8}$" ELASTITE JOINT
Concrete Gutter
5'-0"
2'-0"
9'-0"
9'-0"
2'-0"
2'-6"
4'
5 STORM SEWER
No. 1 Bell and Spigot Pipe. Joint cemented with 1:2 mortar
Gravel or Cinder Back
4" DRAIN TILE

STANDARD CROSS SECTION
Scale - 1" = 2'-0"


10"
$8\frac{1}{2}$"
11"
2'-0"

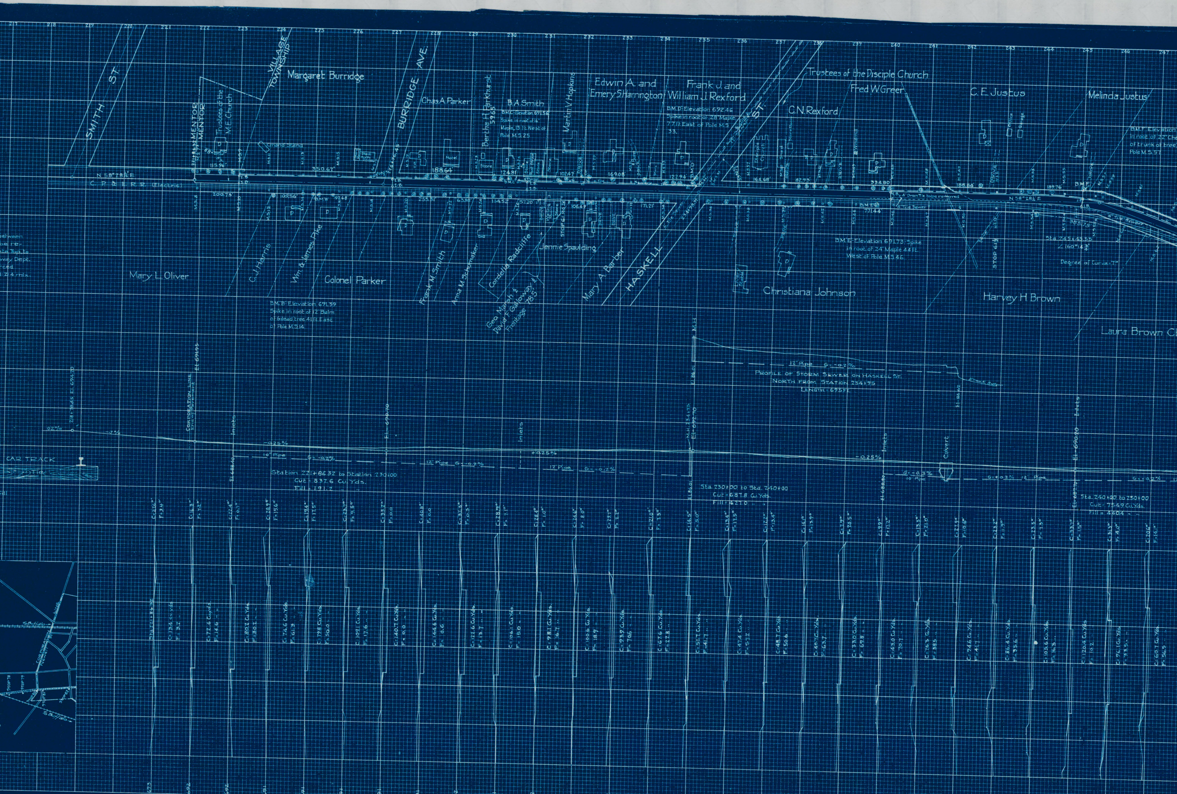
DETAIL SECTION OF CONCRETE GUTTER
Scale 2 : 1 ft.

Specifications: - 1 part Portland cement; 2 parts fine aggregate; 4 parts coarse aggregate. (gravel) Tamped and floated to a true surface.


N
← To Chicago
← To Chicago
Sidings
DEPOT
Siding
L. S. & M. S. R. R.
N. Y. C. & St. L. R. R.
VILLAGE
TOWNSHIP
MENTOR
MENTOR
St.
Hart St.
Smith St.
St.
Center
Haskell
Hopkins Road
Burridge Road
(Electric)
Chillicothe Road
Goodell Road
Road
CLEVELAND
BUFFALO
ROAD
STOP 57
STOP 58
STOP 59
STOP 60
221+86.32
STOP 61
STOP 61½
STOP 62
STOP 63
STOP 64
STOP 65
STOP 66
STOP 67
STOP 68
341+67.16
MENTOR TOWNSHIP
PAINESVILLE TOWNSHIP
STOP 69
STOP 70
STOP 71
STOP 72
STOP 73
Nye Road
STOP 74
STOP 75
STOP 76
Siding
Siding
STOP 77

GENERAL PLAN OF
THE CLEVELAND-BUFFALO ROAD
FROM MENTOR TO PAINESVILLE TWP.
LAKE COUNTY, O.

1991.113.07.02.a.1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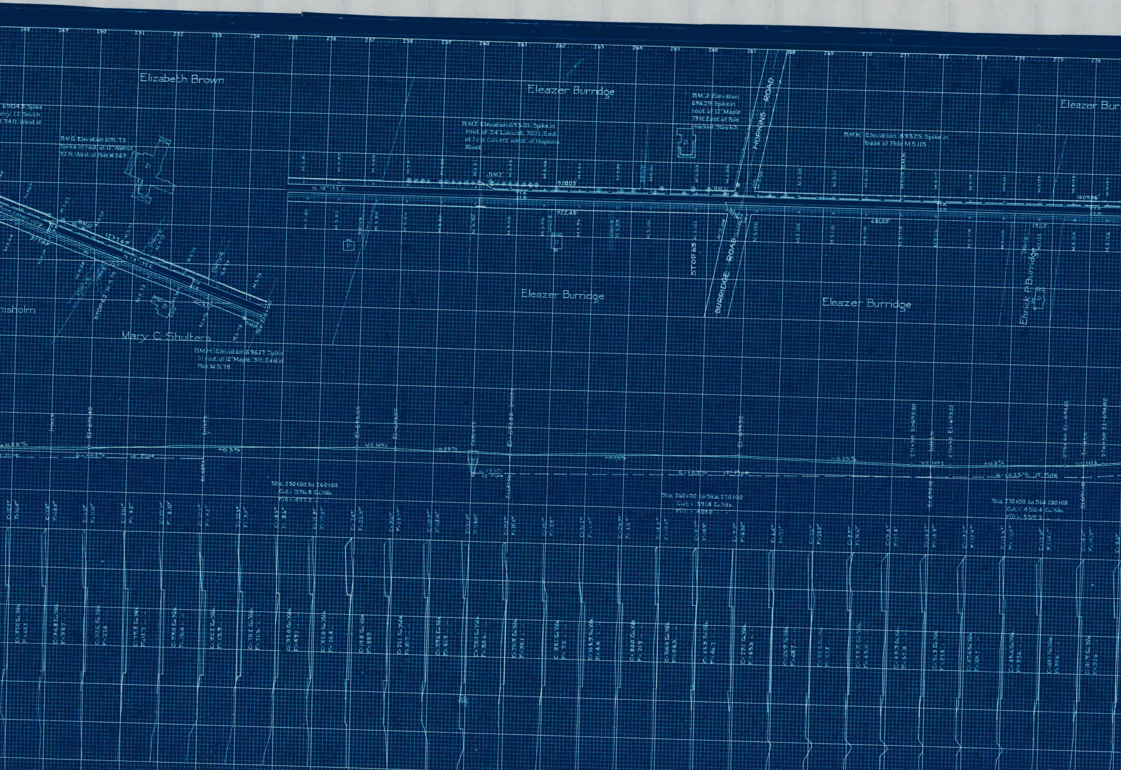
SMITH ST.
MENTOR
MENTOR
221+86.32
Trustees of the M.E. Church
VILLAGE
TOWNSHIP
Margaret Burridge
Grand Stand
BURRIDGE AVE.
226+76.45
Chas. A. Parker
Hotel
Store
Bertha H. Parkhurst 59.65
B.A. Smith
B.M. C Elevation 691.56 Spike in root of 16" Maple, 15 ft. West of Pole M.S. 25
Martin V. Hopkins
Edwin A. and Emery S. Harrington
Frank J. and William J. Rexford
B.M. D Elevation 692.46 Spike in root of 28" Maple 7.7 ft. East of Pole M.S. 33.
ST.
Trustees of the Disciple Church
Disciple Church
C.N. Rexford
Store Room
Shed
Windmill
Fred W. Greer
C.E. Justus
Office
Garage
Melinda Justus
B.M. F Elevation
in root of 22" Che
of trunk of tree
Pole M.S. 57
N 58°28¼' E
C. P. & E. R. R. (Electric)
115.96'
350.67'
188.64'
124.81'
102.47'
169.08'
122.94'
164.68'
82.93'
334.80'
188.84'
189.76'
200.73'
109.56'
B.M. B
97.68'
255.31'
63.98'
114.52'
57.20'
106.49'
171.21'
234+98.91
B.M. E
77.14'
385.75'
4" Drain Tile to be removed
4" Tile Sewer
Sta. 245+45.55
∠160°14'
Degree of Curve = 7°
STOP 61
Mary L. Oliver
C.J. Harris
Wm. & James Pike
Colonel Parker
Frank M. Smith
Anna M. Schumaker
Cordelia Radcliffe
Geo. Marsh ½ David F. Galloway ½ Frontage 78.5'
Jennie Spaulding
Mary A. Barber
HASKELL
Christiana Johnson
Livery Stable
Harvey H. Brown
Laura Brown Ch
B.M. E Elevation 691.73 Spike in root of 24" Maple 44 ft. West of Pole M.S. 46
B.M. B Elevation 691.39 Spike in root of 12" Balm of Gilead tree 41 ft. East of Pole M.S. 14.
between
be re-
te Top to
way Dept.
rced
:2:4 mix.
M.H.
12" Pipe G. = -0.2%
PROFILE OF STORM SEWER ON HASKELL ST.
NORTH FROM STATION 234+95
LENGTH = 675 FT.
El. 686.01
El. 686.62
CAR TRACK
TIE
0.2%
218+78.45 El. 694.70
CORPORATION LINE
End of Pavement
El. 691.95
Inlets
El. 688.40
-0.25%
10" Pipe G. = -0.2%
El. 690.70
12" Pipe G. = -0.2%
Station 221+86.32 to Station 230+00
Cut = 837.6 Cu. Yds.
Fill = 191.2
Inlets
+0.25%
12" Pipe G. = -0.2%
M.H. 234+95
El. 692.70
El. 686.01
Sta. 230+00 to Sta. 240+00
Cut = 687.8 Cu. Yds.
Fill = 427.0
-0.25%
Inlets
El. 688.80
G. = -0.3%
10" Pipe
Culvert
G. = +0.2% 12" Pipe
El. 690.20
Inlets
Sta. 240+00 to 250+00
Cut = 754.9 Cu. Yds.
Fill = 440.4
G. = -0.2%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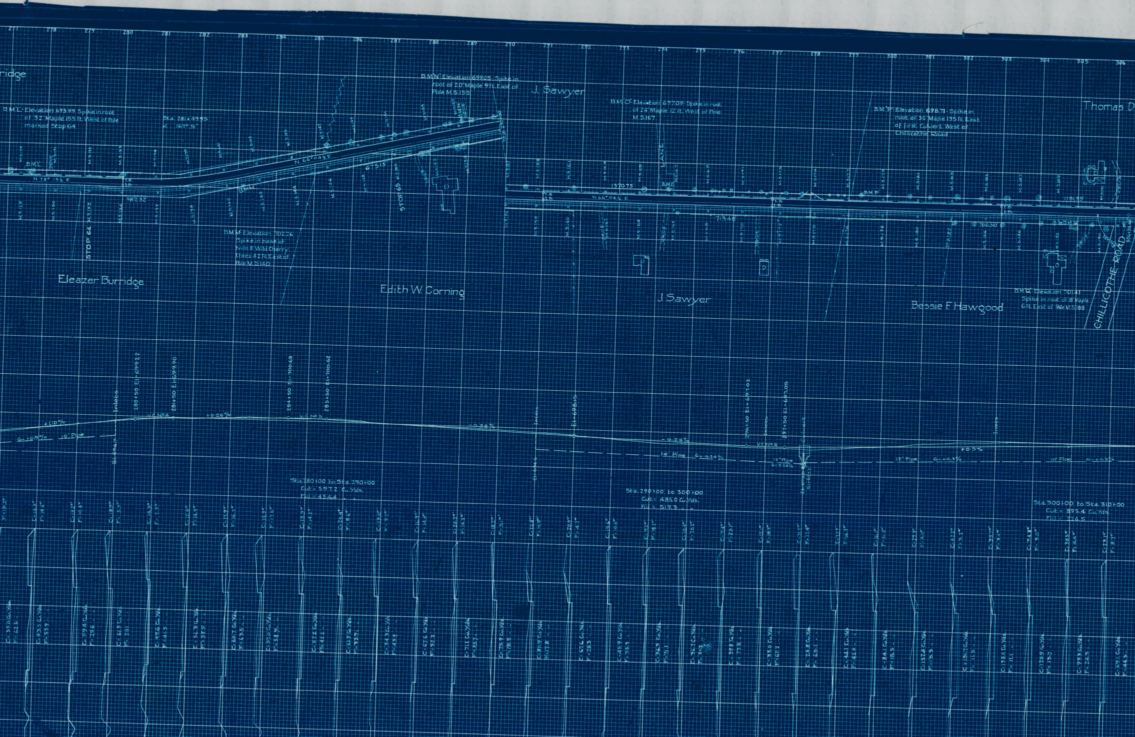
Elizabeth Brown
Eleazer Burridge
Eleazer Burridge
Eleazer Burridge
Eleazer Burridge
Mary C. Shulters
nisholm
Ehrick P. Burridge
690.43 Spike
erry 12" South
34 Ft. West of
B.M.G. Elevation 691.73
Spike in root of 12" Walnut
32 Ft. West of Pole M.S.69
B.M.H. Elevation 696.17 Spike
in root of 12" Maple 3 Ft. East of
Pole M.S.78.
B.M.I. Elevation 693.01 - Spike in
root of 24" Locust 30 Ft. East
of First Culvert west of Hopkins
Road
B.M.J. Elevation
694.29. Spike in
root of 12" Maple
73 Ft. East of Pole
marked Stop 63.
B.M.K. Elevation 693.25 Spike in
base of Pole M.S.115
HOPKINS ROAD
BURRIDGE ROAD
STOP 62
STOP 63
DRIVE
N 78°13½'E
1237.49'
377.43'
663.11'
920.03'
922.45'
681.55'
1809.86'
132.0'
Sta. 255+00
B.M.G.
B.M.H.
B.M.I.
B.M.J.
B.M.K.
+0.25%
+0.3%
-0.25%
+0.25%
-0.25%
+0.3%
V.C. No1
V.C. No2
V.C. No3
Inlets
Culvert
12" Pipe
G = +0.2%
G = +0.25%
El. 691.45
El. 693.55
El. 693.57
El. 692.82
El. 694.32
271+50 El. 693.20
272+50 El. 693.22
275+50 El. 694.82
276+50
El. 690.10
El. 691.10
Sta. 250+00 to 260+00
Cut = 596.8 Cu. Yds.
Fill = 497.2 " "
Sta. 260+00 to Sta. 270+00
Cut = 591.8 Cu. Yds.
Fill = 403.0 " "
Sta. 270+00 to Sta. 280+00
Cut = 450.4 Cu. Yds.
Fill = 559.2 " "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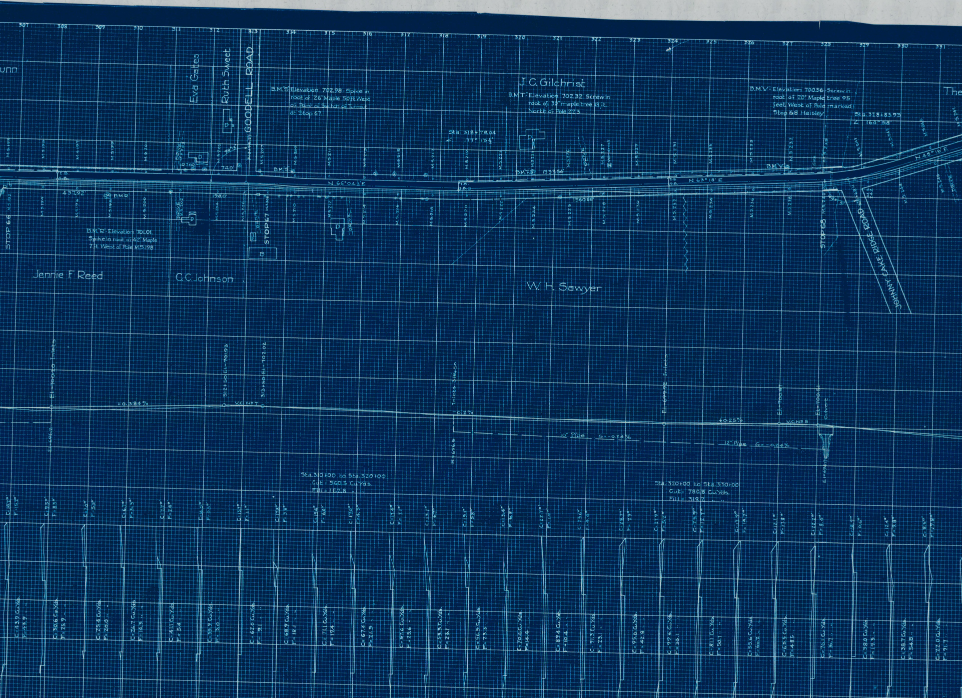
ridge
B.M."L"-Elevation 695.99 Spike in root of 32" Maple 155 Ft. West of Pole marked Stop 64
Sta. 281+49.95
∠ 167° 51'
B.M."N"-Elevation 699.05-Spike in root of 20" Maple 9 Ft. East of Pole M.S.155
J. Sawyer
B.M."O"-Elevation 697.09-Spike in root of 24" Maple 12 Ft. West of Pole M.S.167
B.M."P"-Elevation 698.71-Spike in root of 36" Maple 135 Ft. East of first Culvert West of Chillicothe Road
Thomas D
B.M.L
N 78° 13½' E
987.32'
N 66° 04½' E
675.13'
B.M.M
STOP 64
STOP 65
Sta. 290+00
LANE
B.M.O
1370.75'
N 66° 04½' E
713.48'
B.M.P
1181.35'
700.50'
B.M.Q
DRIVE
I.B.
B.M."M"-Elevation 702.26 Spike in base of twin 8" Wild Cherry trees 42 Ft. East of Pole M.S.140
Eleazer Burridge
Edith W. Corning
J. Sawyer
Bessie F. Hawgood
B.M."Q"-Elevation 701.41 Spike in root of 18" Maple 6 Ft. East of Pole M.S.188
CHILLICOTHE ROAD
+1.10%
G=+0.9%
10" Pipe
Inlets
El. 694.7
280+50 El.=699.22
V.C. No 4
281+50 El.=699.90
+0.26%
284+50 El.=700.68
V.C. No 5
285+50 El.=700.62
-0.38%
Inlets
El.=698.15
-0.28%
10" Pipe
G=-0.24%
296+50 El.=697.02
V.C. No 6
297+50 El.=697.05
Culvert
12" Pipe
G=0.24%
12" Pipe
G=+0.3%
+0.3%
10" Pipe
G=+0.3%
Inlets
Sta. 280+00 to Sta. 290+00
Cut= 597.2 Cu. Yds.
Fill= 454.4
Sta. 290+00 to 300+00
Cut= 485.0 Cu. Yds.
Fill= 519.3
Sta. 300+00 to Sta. 310+00
Cut= 895.4 Cu. Yds.
Fill= 226.5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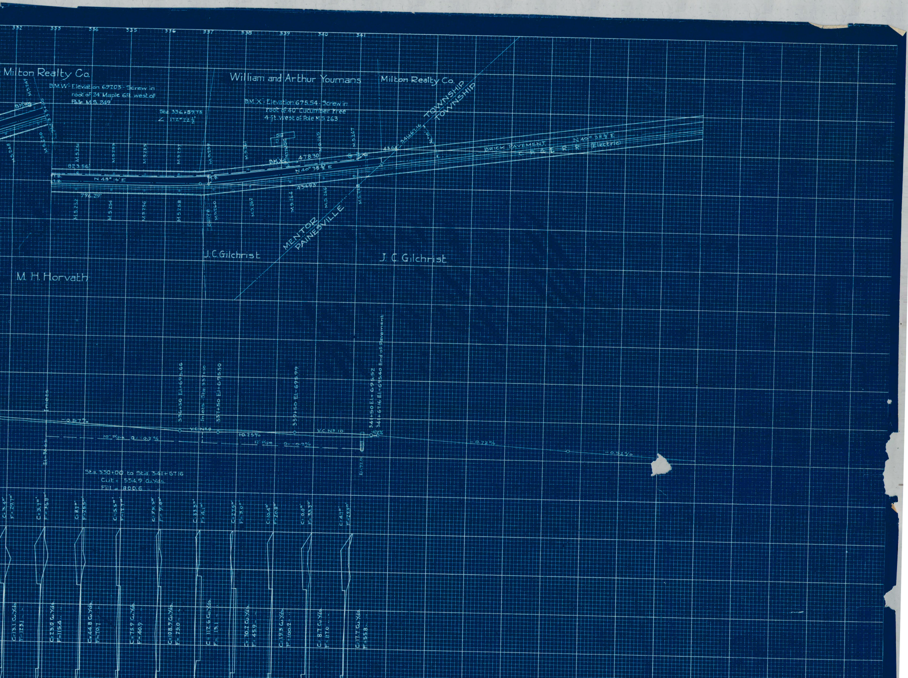
unn
Eva Gates
Ruth Sweet
GOODELL ROAD
B.M."S" Elevation 702.98 - Spike in root of 26" Maple 50 ft. West of Point of Switch of Turnout at Stop 67.
J. C. Gilchrist
B.M."T" Elevation 702.32 Screw in root of 30" maple tree 18 ft. North of Pole 223
B.M."V" - Elevation 700.56 Screw in root of 20" Maple tree 95 feet West of Pole marked Stop 68 Heisley
The
Sta. 318+78.04
∠ 177° 13½'
Sta. 328+85.93
∠ 164° 58'
N 66° 04½' E
N 63° 18' E
N 48° 16' E
437.92'
198.0'
74.0'
107.60'
1533.54'
1560.66'
90° 13'
B.M."R"
B.M."S"
B.M."T"
B.M."V"
DRIVE
D
B
STOP 66
STOP 67
STOP 68
B.M."R" - Elevation 701.01 Spike in root of 42" Maple 7 ft. West of Pole M.S.198
Jennie F. Reed
C. C. Johnson
W. H. Sawyer
JOHNNY CAKE RIDGE ROAD
M.S.193
M.S.195
M.S.197
M.S.199
M.S.201
M.S.203
M.S.205
M.S.207
M.S.209
M.S.211
M.S.213
M.S.215
M.S.217
M.S.219
M.S.221
M.S.223
M.S.226
M.S.227
M.S.229
M.S.231
M.S.233
M.S.235
M.S.237
M.S.239
M.S.241
M.S.243
M.S.245
M.S.247
M.S.192
M.S.194
M.S.196
M.S.198
M.S.200
M.S.202
M.S.204
M.S.206
M.S.208
M.S.210
M.S.212
M.S.214
M.S.216
M.S.218
M.S.220
M.S.222
M.S.224
M.S.225
M.S.228
M.S.230
M.S.232
M.S.234
M.S.236
M.S.238
M.S.240
M.S.242
M.S.244
M.S.246
El.=700.20 Inlets
El.=696.7
+0.384%
312+50 El.=701.93
V.C. No. 7
313+50 El.=702.02
Inlets 318+50
-0.2%
El.=696.5
10" Pipe G=-0.74%
El.=699.92 Inlets
+0.25%
El.=700.87
V.C. No. 8
El.=700.51
Culvert
12" Pipe G=-0.74%
El.=694.11
Sta. 310+00 to Sta. 320+00
Cut = 560.5 Cu. Yds.
Fill = 162.8 " "
Sta. 320+00 to Sta. 330+00
Cut = 780.8 Cu. Yds.
Fill = 319.7 " "
C=14.2' F=15.2'
C=9.5' F=8.5'
C=7.0' F=5.5'
C=6.7' F=3.3'
C=7.1' F=2.4'
C=16.5' F=0.3'
C=15.7' F=1.1'
C=17.8' F=3.8'
C=19.4' F=6.0'
C=19.0' F=4.5'
C=17.4' F=7.1'
C=13.7' F=6.7'
C=15.1' F=3.8'
C=13.4' F=6.8'
C=22.7' F=1.0'
C=25.6' F=4.6'
C=23.7' F=7.9'
C=27.9' F=5.2'
C=25.9' F=12.7'
C=17.9' F=14.7'
C=12.1' F=17.8'
C=22.2' F=8.4'
C=18.9' F=0.6'
C=12.4' F=9.8'
C=8.5' F=17.8'
C=43.9 Cu.Yds. F=43.9 " "
C=30.6 Cu.Yds. F=25.9 " "
C=25.4 Cu.Yds. F=20.0 " "
C=26.7 Cu.Yds. F=14.3 " "
C=41.1 Cu.Yds. F=5.4 " "
C=55.9 Cu.Yds. F=3.0 " "
C=62.0 Cu.Yds. F=9.1 " "
C=68.9 Cu.Yds. F=18.1 " "
C=71.1 Cu.Yds. F=19.4 " "
C=67.4 Cu.Yds. F=21.5 " "
C=57.6 Cu.Yds. F=25.6 " "
C=53.3 Cu.Yds. F=23.1 " "
C=56.5 Cu.Yds. F=23.3 " "
C=70.6 Cu.Yds. F=14.4 " "
C=89.4 Cu.Yds. F=10.4 " "
C=91.3 Cu.Yds. F=23.1 " "
C=95.6 Cu.Yds. F=42.8 " "
C=99.6 Cu.Yds. F=33.1 " "
C=81.1 Cu.Yds. F=50.1 " "
C=55.6 Cu.Yds. F=60.7 " "
C=63.5 Cu.Yds. F=48.5 " "
C=76.1 Cu.Yds. F=16.7 " "
C=58.0 Cu.Yds. F=19.3 " "
C=38.7 Cu.Yds. F=54.8 " "
C=22.0 Cu.Yds. F=91.7 " "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Milton Realty Co.
B.M.W.-Elevation 697.03 - Screw in root of 24" Maple 6ft. west of Pole M.S. 249
William and Arthur Youmans
B.M.X.-Elevation 695.54 - Screw in root of 40" Cucumber Tree 4 ft. West of Pole M.S. 263
Milton Realty Co.
Sta. 336+89.73
∠ 172°22½'
TOWNSHIP
TOWNSHIP
MENTOR
PAINESVILLE
341+67.16
4304
B.M.W.
B.M.X.
823.56'
796.29'
N 48° 16' E
N 40° 38½' E
478.30'
434.93'
BRICK PAVEMENT
N 40° 38½' E
C. P. & E. R. R. (Electric)
M.S. 248
M.S. 249
M.S. 250
M.S. 251
M.S. 252
M.S. 253
M.S. 254
M.S. 255
M.S. 256
M.S. 257
M.S. 258
M.S. 259
M.S. 260
M.S. 261
M.S. 262
M.S. 264
M.S. 265
M.S. 266
M.S. 267
M.S. 268
DRIVE
J. C. Gilchrist
J. C. Gilchrist
M. H. Horvath
Inlets
El.=92.65
-0.57%
10" Pipe G=-0.7%
336+50 El.=695.66
V.C. No 9
Inlets Sta. 337+10
337+50 El.=695.50
+0.25%
12" Pipe G=-0.7%
339+50 El.=695.99
V.C. No 10
341+50 El.=695.52
341+67.16 El.=695.40 End of Pavement
El.=92.0
-0.72%
-0.52%
Sta. 330+00 to Sta. 341+67.16
Cut = 554.9 Cu. Yds.
Fill = 1800.6
C=3.4° F=29.7°
C=3.7° F=36.8°
C=8.7° F=25.5°
C=5.5° F=12.9°
C=25.5° F=7.4°
C=33.5° F=4.1°
C=27.5° F=3.0°
C=10.4° F=26.8°
C=0.0° F=33.3°
C=4.7° F=29.9°
C=13.1 Cu. Yds. F=123.1
C=23.0 Cu. Yds. F=115.4
C=44.8 Cu. Yds. F=70.1
C=75.9 Cu. Yds. F=40.9
C=108.9 Cu. Yds. F=25.0
C=112.6 Cu. Yds. F=13.1
C=70.2 Cu. Yds. F=45.9
C=19.3 Cu. Yds. F=100.2
C=8.7 Cu. Yds. F=117.0
C=17.7 Cu. Yds. F=55.8