

**Mark R. Stewart**  
**Lorain County Auditor**

1999 GPS Survey

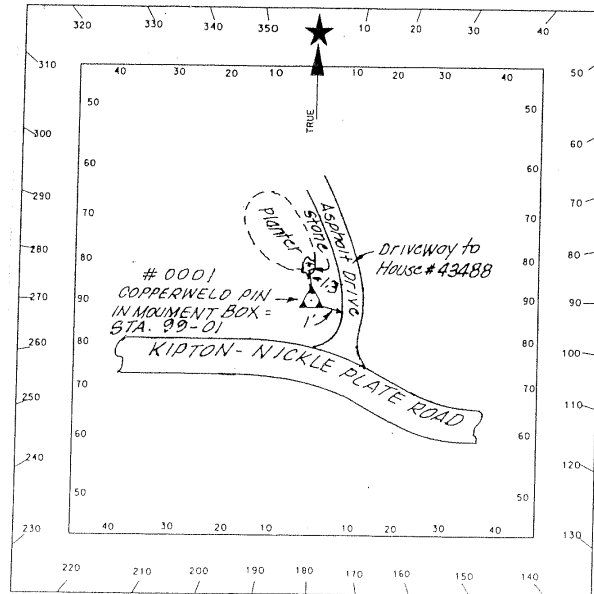
Monumentation

Data Sheets

## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-01</u>	Alias: <u>None</u>	GPS#: <u>0001</u>
USGS Quad: <u>Oberlin</u>	Township: <u>Pittsfield</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-15-54.848406</u>	Longitude: <u>82-10-02.052871</u>	
North (y) Meters: <u>177568.671</u>	East (x) Meters: <u>627882.951</u>	
North (y) Feet: <u>582573.216</u>	East (x) Feet: <u>2059979.314</u>	
Convergence: <u>0-13-06.99</u>	Combined Factor: <u>0.99991329</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>237.013</u>	Elevation (z) US Feet: <u>777.600</u>	

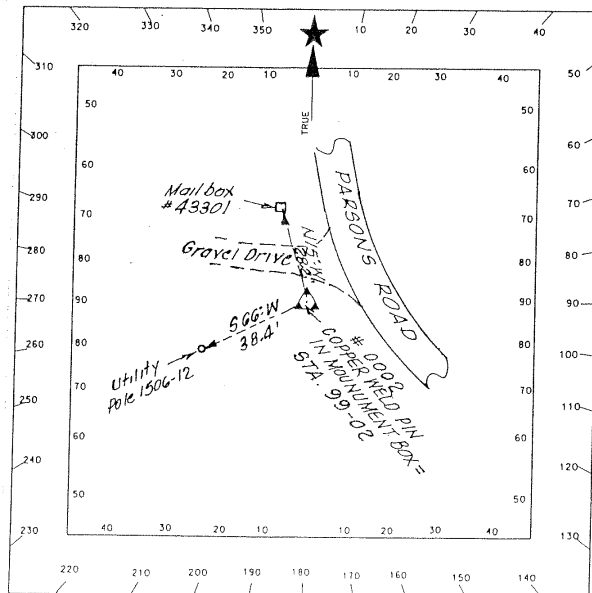
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF NICKLE PLATE DIAGONAL ROAD (CR 27) AND KIPTON NICKLE PLATE ROAD IN LaGRANGE TOWNSHIP AND TRAVEL WEST ON KIPTON NICKLE PLATE ROAD FOR 0.4 MILES TO THE STATION ON THE NORTH SIDE OF THE ROAD AND AT THE LaGRANGE/PITTSFIELD TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-02</u>	Alias: <u>None</u>	GPS#: <u>0002</u>
USGS Quad: <u>Oberlin</u>	Township: <u>Pittsfield</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-16-28.702195</u>	Longitude: <u>82-09-42.210450</u>	
North (y) Meters: <u>178614.764</u>	East (x) Meters: <u>628340.742</u>	
North (y) Feet: <u>586005.273</u>	East (x) Feet: <u>2061481.252</u>	
Convergence: <u>0-13-20.03</u>	Combined Factor: <u>0.99991443</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>233.432</u>	Elevation (z) US Feet: <u>765.851</u>	

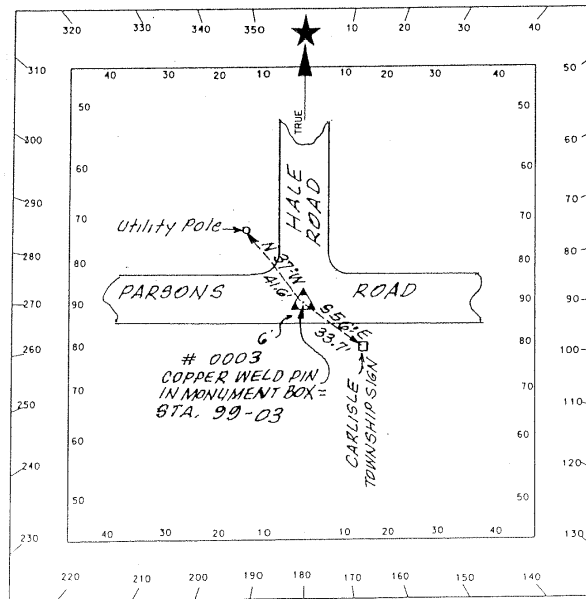
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF NICKLE PLATE DIAGONAL ROAD AND PARSONS ROAD (CR 15) NEAR THE LAGRANGE/CARLISLE TOWNSHIP LINE AND TRAVEL WESTERLY ON PARSONS ROAD FOR 0.25 MILES MORE OR LESS TO THE STATION ON THE SOUTHWESTERLY SIDE OF THE ROAD. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-03</u>	Alias: <u>None</u>	GPS#: <u>0003</u>
USGS Quad: <u>Oberlin</u>	Township: <u>New Russia</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-16-47.591420</u>	Longitude: <u>82-10-01.203885</u>	
North (y) Meters: <u>179195.756</u>	East (x) Meters: <u>627896.499</u>	
North (y) Feet: <u>587911.410</u>	East (x) Feet: <u>2060023.764</u>	
Convergence: <u>0-13-07.55</u>	Combined Factor: <u>0.99991453</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>234.918</u>	Elevation (z) US Feet: <u>770.727</u>	

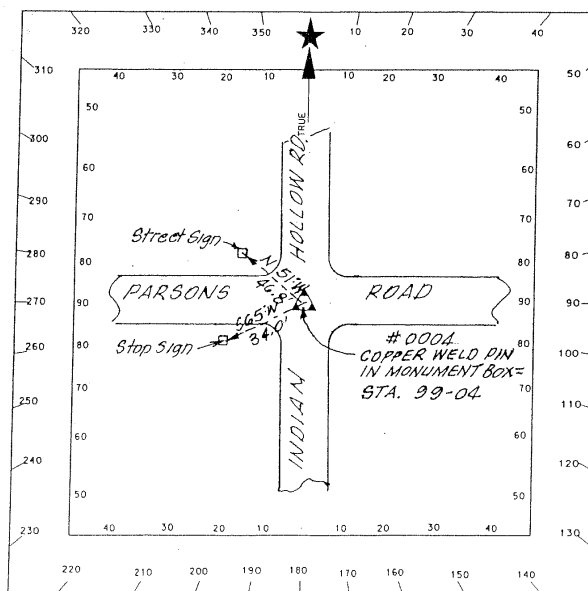
Location: THE STATION IS LOCATED IN THE INTERSECTION OF PARSONS ROAD (CR 15) AND HALE ROAD AND AT THE CARLISLE/NEW RUSSIA TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-04</u>	Alias: <u>None</u>	GPS#: <u>0004</u>
USGS Quad: <u>LaGrange</u>	Township: <u>Carlisle/LaGrange Line</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-16-29.269222</u>	Longitude: <u>82-04-46.844598</u>	
North (y) Meters: <u>178662.150</u>	East (x) Meters: <u>635214.447</u>	
North (y) Feet: <u>586160.738</u>	East (x) Feet: <u>2084032.733</u>	
Convergence: <u>0-16-34-07</u>	Combined Factor: <u>0.99991289</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>243.312</u>	Elevation (z) US Feet: <u>798.266</u>	

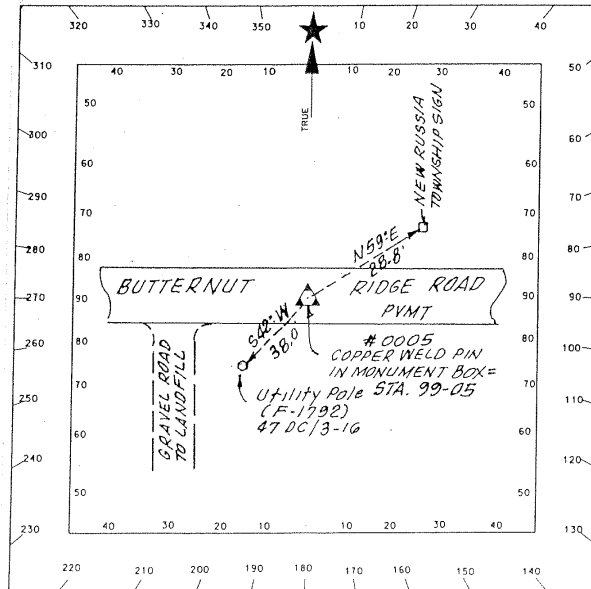
Location: THE STATION IS LOCATED IN THE INTERSECTION OF PARSONS ROAD (CR 15) AND INDIAN HOLLOW ROAD (CR 26) AND AT THE LaGRANGE/CARLISLE TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-05</u>	Alias: <u>None</u>	GPS#: <u>0005</u>
USGS Quad: <u>Oberlin</u>	Township: <u>New Russia</u>	
Type of Mark: <u>CWPin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-18-48.447626</u>	Longitude: <u>82-09-58.959824</u>	
North (y) Meters: <u>182924.134</u>	East (x) Meters: <u>627934.458</u>	
North (y) Feet: <u>600143.595</u>	East (x) Feet: <u>2060148.300</u>	
Convergence: <u>0-13-09.02</u>	Combined Factor: <u>0.99991656</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>236.839</u>	Elevation (z) US Feet: <u>777.029</u>	

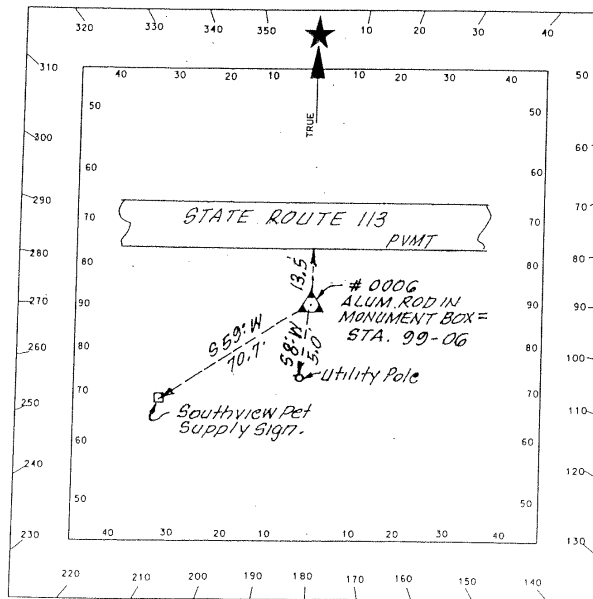
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF WEST RIDGE ROAD (CR 53) AND BUTTERNUT RIDGE ROAD (CR 12) IN CARLISLE TOWNSHIP AND TRAVEL WEST ON BUTTERNUT RIDGE ROAD FOR 0.75 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AND AT THE CARLISLE/NEW RUSSIA TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

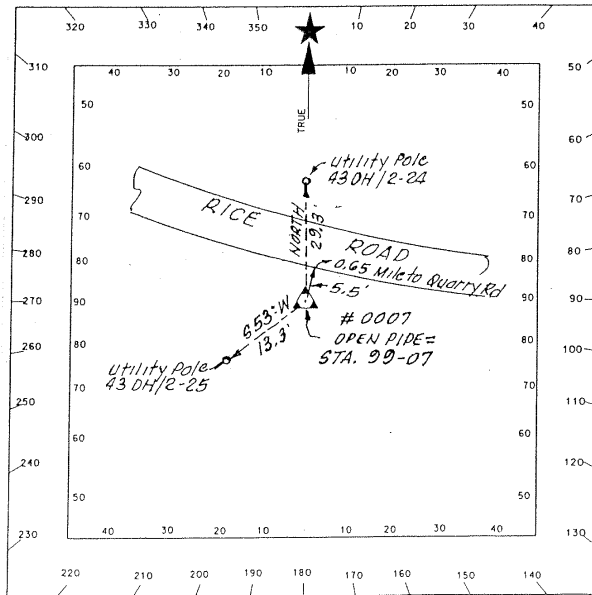
Station Name: <u>99-06</u>	Alias: <u>None</u>	GPS#: <u>0006</u>
USGS Quad: <u>Kipton</u>	Township: <u>Henrietta</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-06</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-20-53-839314</u>	Longitude: <u>82-16-09.552634</u>	
North (y) Meters: <u>186764.385</u>	East (x) Meters: <u>619304.798</u>	
North (y) Feet: <u>612742.818</u>	East (x) Feet: <u>2031835.826</u>	
Convergence: <u>0-09-05.56</u>	Combined Factor: <u>0.99991795</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>245.769</u>	Elevation (z) US Feet: <u>806.326</u>	

Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF BAUMHART ROAD (CR 51) AND STATE HIGHWAY 113 (MILAN-ELYRIA ROAD) AND TRAVEL NORTHEASTERLY ON STATE HIGHWAY 113 FOR 0.3 MILES MORE OR LESS TO THE STATION ON THE SOUTH SIDE OF THE ROAD. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-07</u> USGS Quad: <u>Vermilion East</u> Type of Mark: <u>Open End Iron Pipe</u> Stamping on Mark: <u>N/A</u> Horizontal Datum: <u>NAD83(1986)</u> Latitude: <u>41-22-49.024764</u> North (y) Meters: <u>190318.594</u> North (y) Feet: <u>624403.586</u> Convergence: <u>0-09-14.98</u> State Plane Coordinate System Zone: <u>Ohio North (3401)</u> Vertical Datum: <u>NAVD88</u> Elevation (z) Meters: <u>236.720</u> Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF QUARRY ROAD (CR 30) AND RICE ROAD IN AMHERST TOWNSHIP AND TRAVEL WESTERLY AND NORTHWESTERLY ON RICE ROAD FOR 0.65 MILES MORE OR LESS TO THE STATION ON THE SOUTH SIDE OF THE ROAD. THE STATION IS AN OPEN TOP IRON PIPE.	Alias: <u>None</u> GPS#: <u>0007</u> Township: <u>Brownhelm</u> Set By: <u>Unknown</u> Survey By: <u>Surdex/Weh</u> Horizontal Order: <u>First</u> Method: <u>GPS</u> Longitude: <u>82-15-55.220502</u> East (x) Meters: <u>619628.405</u> East (x) Feet: <u>2032897.527</u> Combined Factor: <u>0.99992226</u> Vertical Order: <u>Second</u> Elevation (z) US Feet: <u>776.640</u>
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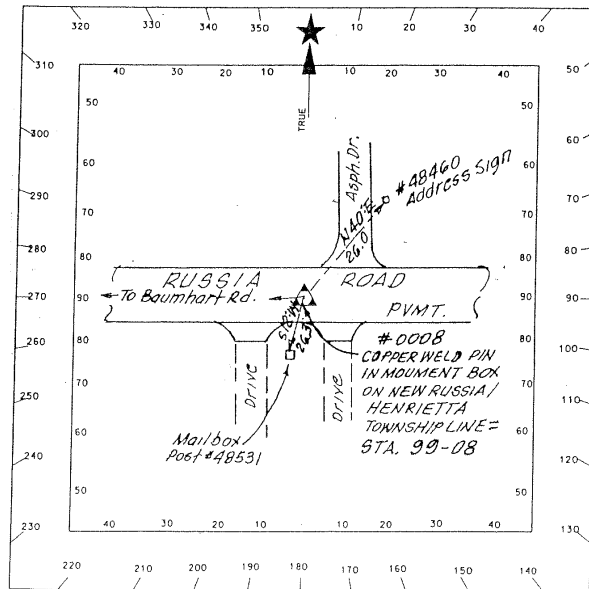




## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-08</u>	Alias: <u>None</u>	GPS#: <u>0008</u>
USGS Quad: <u>Kipton</u>	Township: <u>New Russia/Henrietta Line</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-20-19.094827</u>	Longitude: <u>82-15-59.798005</u>	
North (y) Meters: <u>185693.172</u>	East (x) Meters: <u>619534.425</u>	
North (y) Feet: <u>609228.348</u>	East (x) Feet: <u>2032589.191</u>	
Convergence: <u>0-09-11.97</u>	Combined Factor: <u>0.99991596</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>	Vertical Order: <u>Second</u>	
Vertical Datum: <u>NAVD88</u>	Elevation (z) US Feet: <u>830.984</u>	
Elevation (z) Meters: <u>253.284</u>		

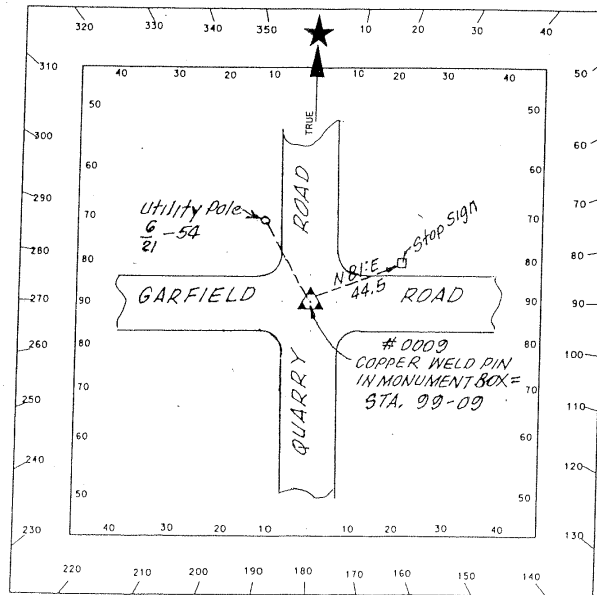
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF BAUMHART ROAD (CR 51) AND RUSSIA ROAD (CR 57) IN HENRIETTA TOWNSHIP AND TRAVEL EAST ON RUSSIA ROAD FOR 0.48 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE NEW RUSSIA/HENRIETTA TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

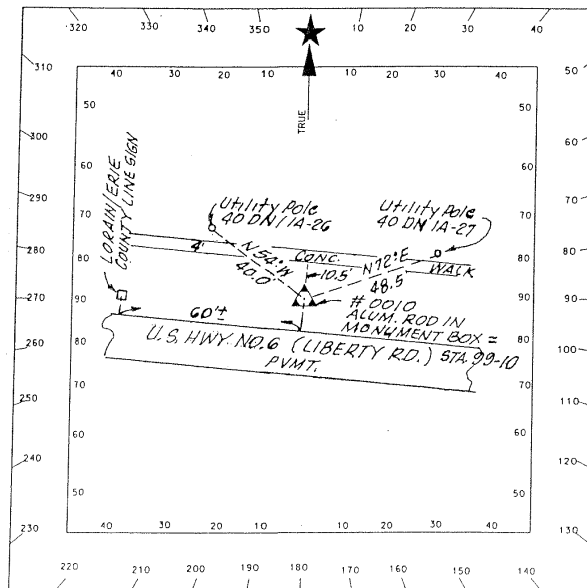
Station Name: <u>99-09</u>	Alias: <u>None</u>	GPS#: <u>0009</u>
USGS Quad: <u>Kipton</u>	Township: <u>New Russia</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-18-59.341472</u>	Longitude: <u>82-15-27.565094</u>	
North (y) Meters: <u>183234.953</u>	East (x) Meters: <u>620290.664</u>	
North (y) Feet: <u>601163.343</u>	East (x) Feet: <u>2035070.286</u>	
Convergence: <u>0-09-33.15</u>	Combined Factor: <u>0.99991590</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>242.537</u>	Elevation (z) US Feet: <u>795.723</u>	

Location: THE STATION IS LOCATED IN THE INTERSECTION OF GARFIELD ROAD AND QUARRY ROAD (CR 30) IN NEW RUSSIA TOWNSHIP. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

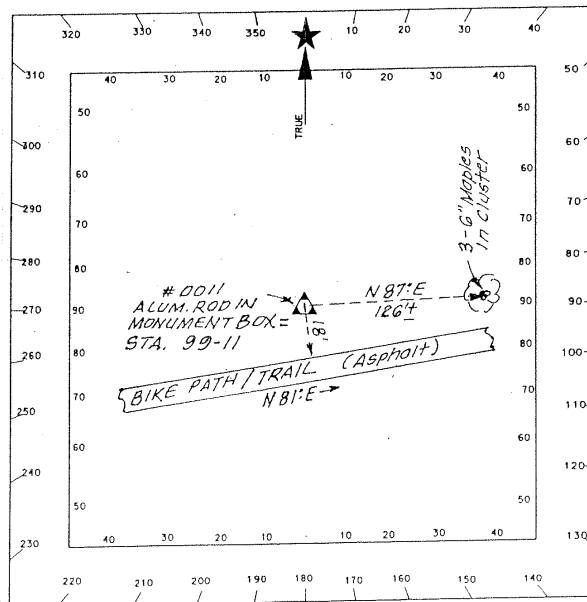
Station Name: <u>99-10</u>	Alias: <u>None</u>	GPS#: <u>0010</u>
USGS: <u>Quad: Vermilion East</u>	Township: <u>Vermilion</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-10</u>		Date Set: <u>2000</u>
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-30.365480</u>	Longitude: <u>82-20-51.673125</u>	
North (y) Meters: <u>195280.524</u>	East (x) Meters: <u>612731.662</u>	
North (y) Feet: <u>640682.853</u>	East (x) Feet: <u>2010270.460</u>	
Convergence: <u>0-06-00.22</u>	Combined Factor: <u>0.99993533</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>182.465</u>	Elevation (z) US Feet: <u>598.636</u>	
Location: THE STATION IS LOCATED IN VERMILION TOWNSHIP ON THE NORTH SIDE OF LIBERTY AVENUE (U.S. HIGHWAY 6) ABOUT ONE HUNDRED FEET WEST OF SALEM DRIVE. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.		



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-11</u>	Alias: <u>None</u>	GPS#: <u>0011</u>
USGS Quad: <u>Kipton</u>	Township: <u>Camden</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-11</u>		Date Set: <u>2000</u>
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-16-28.796116</u>	Longitude: <u>82-16-09.789708</u>	
North (y) Meters: <u>178588.244</u>	East (x) Meters: <u>619320.907</u>	
North (y) Feet: <u>585918.264</u>	East (x) Feet: <u>2031888.674</u>	
Convergence: <u>0-09-05.41</u>	Combined Factor: <u>0.99991087</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>256.153</u>	Elevation (z) US Feet: <u>840.397</u>	

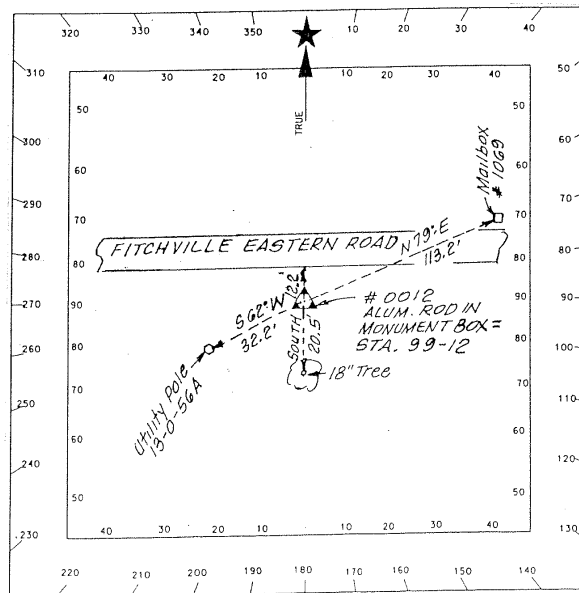
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY 20 (KIPTON-EAST ROAD) AND BAUMHART ROAD (CR 51) IN CAMDEN TOWNSHIP AND TRAVEL NORTH ON BAUMHART ROAD FOR 0.9 MILES MORE OR LESS TO A BIKE PATH; THENCE TRAVEL NORTHEASTERLY ON THE BIKE PATH FOR 0.25 MILES MORE OR LESS TO THE STATION ON THE NORTH SIDE OF THE PATH. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-12</u>	Alias: <u>None</u>	GPS#: <u>0012</u>
USGS Quad: <u>NOVA</u>	Township: <u>ROCHESTER</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-12</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-03-56.545691</u>	Longitude: <u>82-20-04.003049</u>	
North (y) Meters: <u>155370.928</u>	East (x) Meters: <u>613914.279</u>	
North (y) Feet: <u>509746.121</u>	East (x) Feet: <u>2014150.430</u>	
Convergence: <u>0-06-31.54</u>	Combined Factor: <u>0.99989436</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>319.888</u>	Elevation (z) US Feet: <u>1049.498</u>	

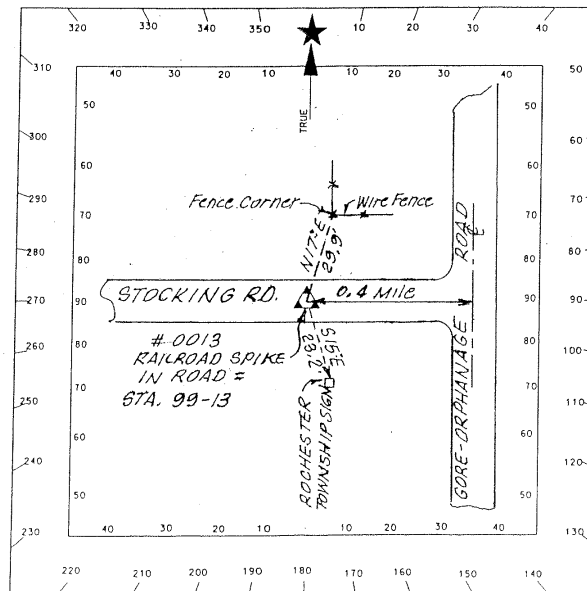
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF GORE-ORPHANAGE ROAD AND FITCHVILLE-EASTERN ROAD IN ROCHESTER TOWNSHIP AND TRAVEL EAST ON FITCHVILLE-EASTERN ROAD FOR 0.4 MILES MORE OR LESS TO THE STATION ON THE SOUTH SIDE OF THE ROAD. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-13</u>	Alias: <u>None</u>	GPS#: <u>0013</u>
USGS Quad: <u>Brighton</u>	Township: <u>Huron County</u>	
Type of Mark: <u>Railroad Spike</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-08-16.423391</u>	Longitude: <u>82-20-19.314955</u>	
North (y) Meters: <u>163386.688</u>	East (x) Meters: <u>613541.978</u>	
North (y) Feet: <u>536044.493</u>	East (x) Feet: <u>2012928.973</u>	
Convergence: <u>0-06-21.48</u>	Combined Factor: <u>0.99990070</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>284.261</u>	Elevation (z) US Feet: <u>932.614</u>	

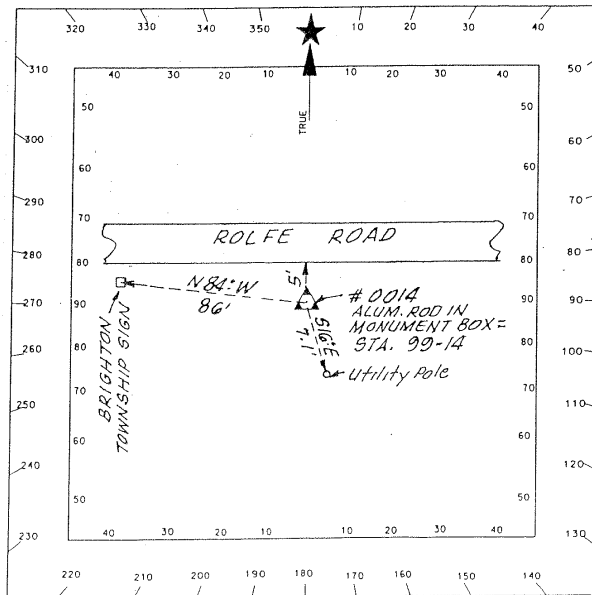
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF GORE ORPHANAGE ROAD (CR 34) AND STOCKING ROAD AT THE ROCHESTER/BRIGHTON TOWNSHIP LINE AND TRAVEL WEST ON STOCKING ROAD FOR 0.4 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE LORAIN/HURON COUNTY LINE. THE STATION IS A RAILROAD SPIKE IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-14</u>	Alias: <u>None</u>	GPS#: <u>0014</u>
USGS Quad: <u>Brighton</u>	Township: <u>Brighton</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-14</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-11-49.949112</u>	Longitude: <u>82-20-22.791558</u>	
North (y) Meters: <u>169973.236</u>	East (x) Meters: <u>613448.792</u>	
North (y) Feet: <u>557653.859</u>	East (x) Feet: <u>2012623.246</u>	
Convergence: <u>0-06-19.20</u>	Combined Factor: <u>0.99990452</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>271.402</u>	Elevation (z) US Feet: <u>890.424</u>	

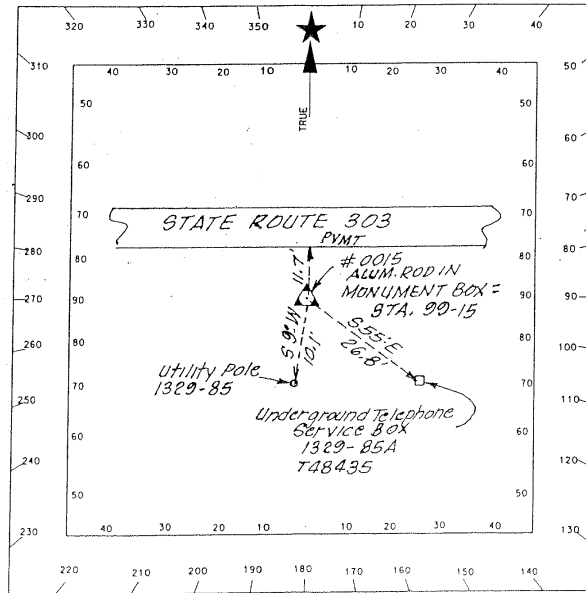
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF ROLFE ROAD AND GORE-ORPHANAGE ROAD (CR 34) IN BRIGHTON TOWNSHIP AND TRAVEL WEST ON ROLFE ROAD 0.3 MILES MORE OR LESS TO A POINT ABOUT 90 FEET EAST OF THE LORAIN/HURON COUNTY LINE AND THE STATION ON THE SOUTH SIDE OF THE ROAD. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-15</u>	Alias: <u>None</u>	GPS#: <u>0015</u>
USGS Quad: <u>Brighton</u>	Township: <u>Camden/Pittsfield Line</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>SurdexWeh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-15</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-14-13.724054</u>	Longitude: <u>82-16-00.889590</u>	
North (y) Meters: <u>174422.110</u>	East (x) Meters: <u>619539.168</u>	
North (y) Feet: <u>572249.874</u>	East (x) Feet: <u>2032604.754</u>	
Convergence: <u>0-09-11.25</u>	Combined Factor: <u>0.99990781</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>261.951</u>	Elevation (z) US Feet: <u>859.417</u>	

Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF STATE HIGHWAY 303 (WAKEMAN- LaGRANGE-RICHFIELD ROAD) AND ROWELL ROAD IN CAMDEN TOWNSHIP AND TRAVEL EAST ON STATE HIGHWAY 303 FOR 0.4 MILES MORE OR LESS TO THE STATION IN PITTSFIELD TOWNSHIP AND ON THE SOUTH SIDE OF THE ROADWAY. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.

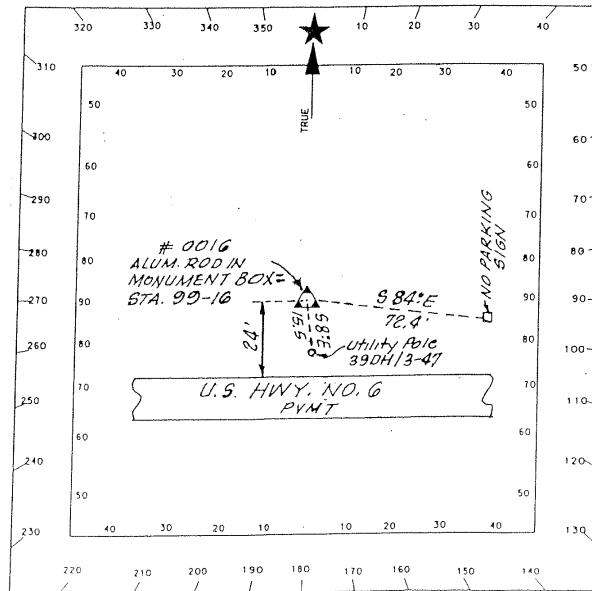




## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-16</u>	Alias: <u>None</u>	GPS#: <u>0016</u>
USGS Quad: <u>Vermilion East</u>	Township: <u>Sheffield</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-16</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-52.030064</u>	Longitude: <u>82-15-54.852041</u>	
North (y) Meters: <u>195964.154</u>	East (x) Meters: <u>619621.770</u>	
North (y) Feet: <u>642925.727</u>	East (x) Feet: <u>2032875.757</u>	
Convergence: <u>0-09-15.22</u>	Combined Factor: <u>0.99993584</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>183.426</u>	Elevation (z) US Feet: <u>601.790</u>	

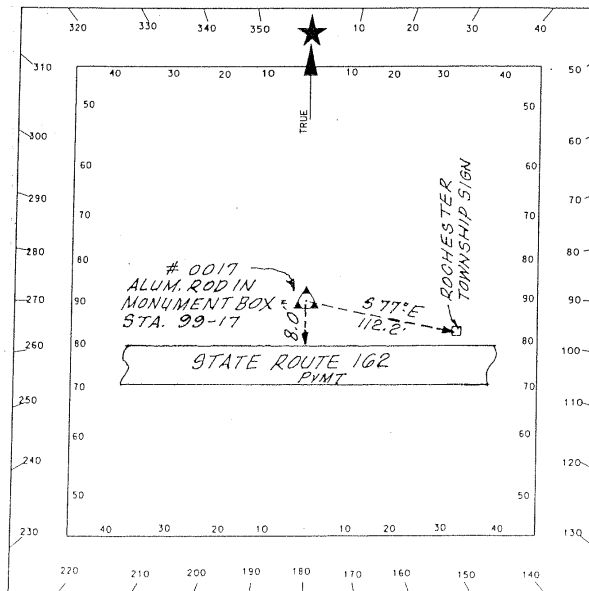
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF BAUMHART ROAD (CR 51) AND U.S. HIGHWAY 6 IN AMHERST TOWNSHIP AND TRAVEL NORTHEAST ON U.S. HIGHWAY 6 FOR 0.9 MILES MORE OR LESS TO THE STATION ON THE NORTH SIDE OF THE ROADWAY. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-17</u>	Alias: <u>None</u>	GPS#: <u>0017</u>
USGS Quad: <u>Nova</u>	Township: <u>Rochester</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-17</u>		Date Set: <u>2000</u>
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-06-07.003635</u>	Longitude: <u>82-16-12.582050</u>	
North (y) Meters: <u>159407.382</u>	East (x) Meters: <u>619306.470</u>	
North (y) Feet: <u>522989.053</u>	East (x) Feet: <u>2031841.310</u>	
Convergence: <u>0-09-03.57</u>	Combined Factor: <u>0.99989914</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>290.586</u>	Elevation (z) US Feet: <u>953.365</u>	

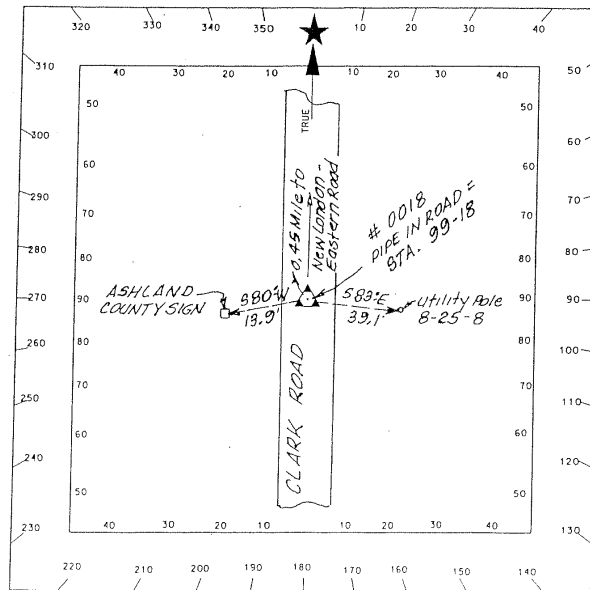
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF STATE HIGHWAY 162 (NEW LONDON-LAFAYETTE ROAD) AND QUARRY ROAD (CR 30) IN ROCHESTER TOWNSHIP AND TRAVEL EAST ON HIGHWAY 162 FOR 0.5 MILES MORE OR LESS TO THE STATION ON THE NORTH SIDE OF THE ROADWAY. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-18</u>	Alias: <u>None</u>	GPS#: <u>0018</u>
USGS Quad: <u>Sullivan</u>	Township: <u>Huntington</u>	
Type of Mark: <u>Bent Pipe</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-03-51.922486</u>	Longitude: <u>82-14-22.679110</u>	
North (y) Meters: <u>155247.776</u>	East (x) Meters: <u>621883.311</u>	
North (y) Feet: <u>509342.078</u>	East (x) Feet: <u>2040295.495</u>	
Convergence: <u>0-10-15.77</u>	Combined Factor: <u>0.99989235</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>322.757</u>	Elevation (z) US Feet: <u>1091.718</u>	

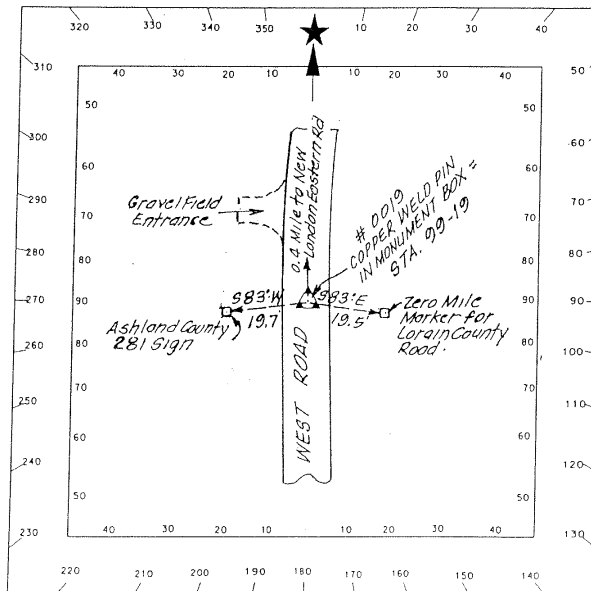
Location: TO REACH THE STATION, COMMENCE AT THE INTERSECTION OF NEW LONDON-EASTERN ROAD (CR 40) AND CLARK ROAD IN HUNTINGTON TOWNSHIP AND TRAVEL SOUTH ON CLARK ROAD FOR 0.45 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE LORAIN/ASHLAND COUNTY LINE. THE STATION IS A BENT PIPE IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-19</u>	Alias: <u>None</u>	GPS#: <u>0019</u>
USGS Quad: <u>Sullivan</u>	Township: <u>Huntington</u>	
Type of Mark: <u>CW Pin In Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-03-49.320609</u>	Longitude: <u>82-10-53.520075</u>	
North (y) Meters: <u>155183.721</u>	East (x) Meters: <u>626766.749</u>	
North (y) Feet: <u>509131.925</u>	East (x) Feet: <u>2056317.241</u>	
Convergence: <u>0-12-33.18</u>	Combined Factor: <u>0.99989232</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>332.947</u>	Elevation (z) US Feet: <u>1092.343</u>	

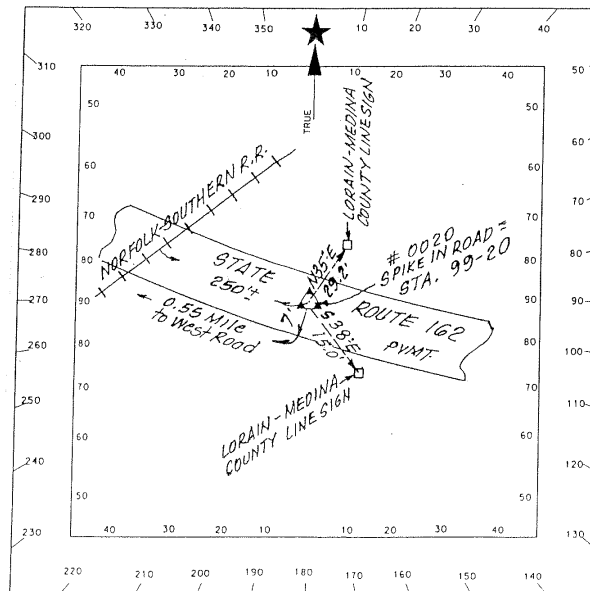
Location: TO REACH THE STATION, COMMENCE AT THE INTERSECTION OF NEW LONDON-EASTERN ROAD (CR 40) AND WEST ROAD (CR 38) IN HUNTINGTON TOWNSHIP AND TRAVEL SOUTH ON WEST ROAD FOR 0.4 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE LORAIN/ASHLAND COUNTY LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-20</u>	Alias: <u>None</u>	GPS#: <u>0020</u>
USGS Quad: <u>Sullivan</u>	Township: <u>Huntington</u>	
Type of Mark: <u>Railroad Spike</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-06-00.645802</u>	Longitude: <u>82-10-14.357934</u>	
North (y) Meters: <u>159238.059</u>	East (x) Meters: <u>627665.761</u>	
North (y) Feet: <u>522433.533</u>	East (x) Feet: <u>2059266.752</u>	
Convergence: <u>0-12-58.91</u>	Combined Factor: <u>0.99989791</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>SECOND</u>	
Elevation (z) Meters: <u>298.268</u>	Elevation (z) US Feet: <u>978.568</u>	

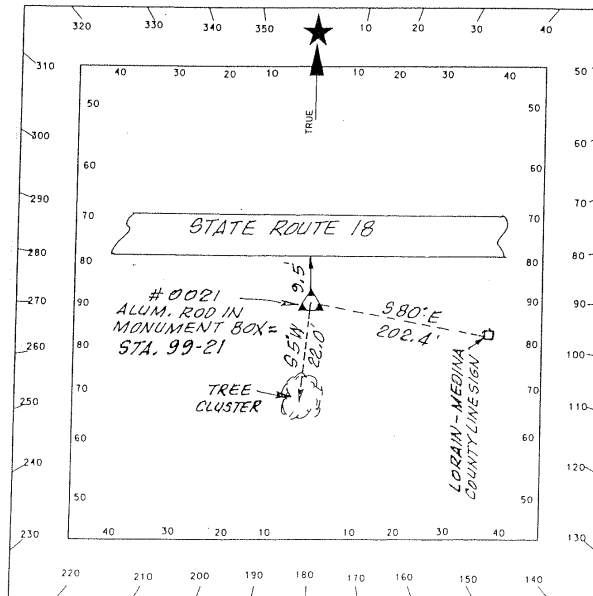
Location: TO REACH THE STATION, COMMENCE AT THE INTERSECTION OF WEST ROAD (CR 38) AND STATE HIGHWAY 162 (NEW LONDON-LAFAYETTE ROAD) IN HUNTINGTON TOWNSHIP AND TRAVEL EAST ON HIGHWAY 162 FOR 0.5 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE LORAIN/MEDINA COUNTY LINE. THE STATION IS A RAILROAD SPIKE IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-21</u>	Alias: <u>None</u>	GPS#: <u>0021</u>
USGS Quad: <u>LaGrange</u>	Township: <u>Penfield</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-21</u>		Date Set: <u>2000</u>
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-10-05.014891</u>	Longitude: <u>82-04-26.969152</u>	
North (y) Meters: <u>166811.160</u>	East (x) Meters: <u>635734.865</u>	
North (y) Feet: <u>547279.613</u>	East (x) Feet: <u>2085740.136</u>	
Convergence: <u>0-16-47.13</u>	Combined Factor: <u>0.99990314</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>273.672</u>	Elevation (z) US Feet: <u>897.870</u>	

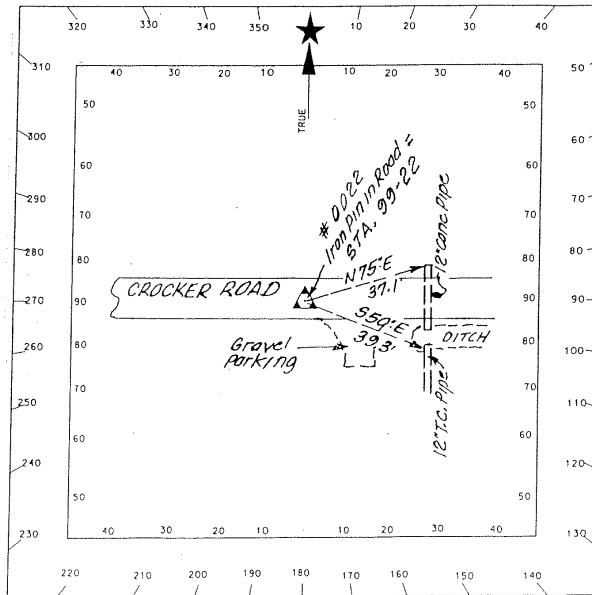
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF VERMONT STREET (CR 62) AND STATE HIGHWAY 18 (MEDINA-NORWALK ROAD) IN PENFIELD TOWNSHIP AND TRAVEL EAST ON STATE HIGHWAY 18 FOR 0.5 MILES MORE OR LESS TO THE STATION ON THE SOUTH SIDE OF THE ROAD APPROXIMATELY 200 FEET WEST OF THE LORAIN/MEDINA COUNTY LINE. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-22</u>	Alias: <u>None</u>	GPS#: <u>0022</u>
USGS Quad: <u>West View</u>	Township: <u>Grafton/Columbia/Eaton Line</u>	
Type of Mark: <u>Iron Pin</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-16-29.403119</u>	Longitude: <u>81-58-21.184961</u>	
North (y) Meters: <u>178715.047</u>	East (x) Meters: <u>644189.470</u>	
North (y) Feet: <u>586334.285</u>	East (x) Feet: <u>2113478.287</u>	
Convergence: <u>0-20-47.43</u>	Combined Factor: <u>0.99991104</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>255.118</u>	Elevation (z) US Feet: <u>837.000</u>	

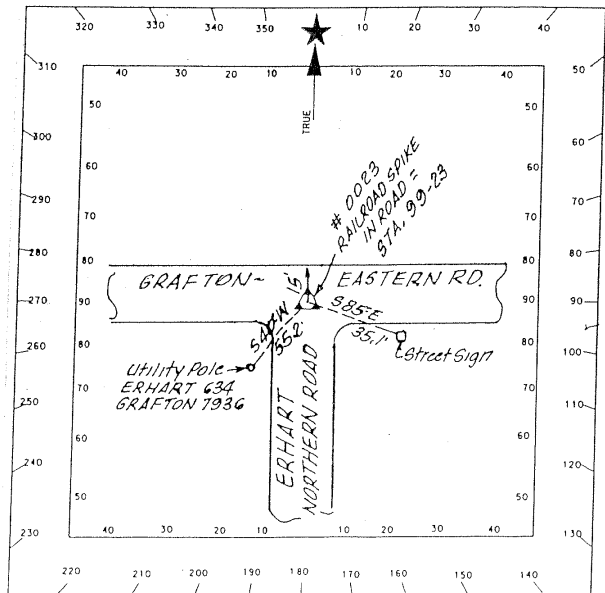
Location: TO REACH THE STATION, COMMENCE AT THE INTERSECTION OF COWLEY ROAD (CR 59) AND CROCKER ROAD AT THE GRAFTON/EATON TOWNSHIP LINE AND TRAVEL EAST ON CROCKER ROAD 0.45 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE LORAIN/MEDINA COUNTY LINE. THE STATION IS AN IRON PIN IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-23</u> USGS Quad: <u>West View</u> Type of Mark: <u>Rail Road Spike</u> Stamping on Mark: <u>N/A</u> Horizontal Datum: <u>NAD83(1986)</u> Latitude: <u>41-15-36.639707</u> North (y) Meters: <u>177087.266</u> North (y) Feet: <u>580993.805</u> Convergence: <u>0-20-46.67</u> State Plane Coordinate System Zone: <u>Ohio North (3401)</u> Vertical Datum: <u>NAVD88</u> Elevation (z) Meters: <u>260.732</u>	Alias: <u>None</u> Township: <u>Grafton</u> Set By: <u>Unknown</u> Survey By: <u>Surdex/Weh</u> Horizontal Order: <u>First</u> Method: <u>GPS</u> Longitude: <u>81-58-22.341448</u> East (x) Meters: <u>644172.394</u> East (x) Feet: <u>2113422.264</u> Combined Factor: <u>0.99990927</u> Vertical Order: <u>Second</u> Elevation (z) US Feet: <u>855.416</u>
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Location: THE STATION IS LOCATED IN THE INTERSECTION OF GRAFTON-EASTERN ROAD (CR 151) AND ERHART-NORTHERN ROAD IN GRAFTON TOWNSHIP AND AT THE LORAIN/MEDINA COUNTY LINE. THE STATION IS A RAILROAD SPIKE IN THE ROADWAY.

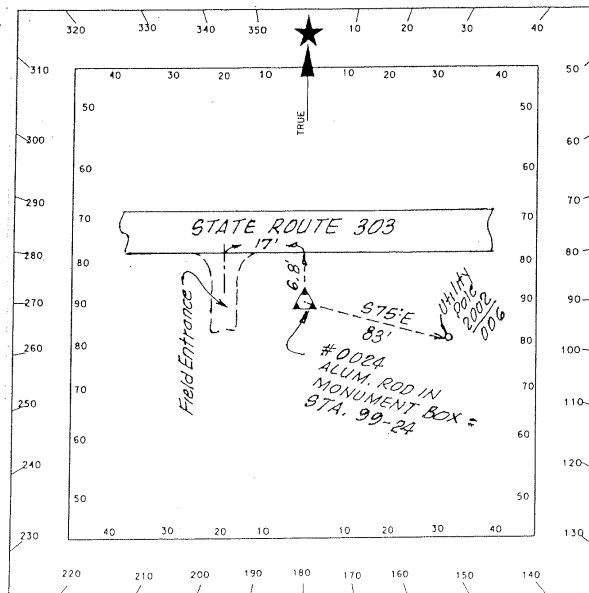




## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-24</u>	Alias: <u>None</u>	GPS#: <u>0024</u>
USGS Quad: <u>LaGrange</u>	Township: <u>LaGrange</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-24</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-14-14.812469</u>	Longitude: <u>82-04-32.256535</u>	
North (y) Meters: <u>174516.125</u>	East (x) Meters: <u>635574.123</u>	
North (y) Feet: <u>572558.320</u>	East (x) Feet: <u>2085212.769</u>	
Convergence: <u>0-16-43.65</u>	Combined Factor: <u>0.99991074</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>243.390</u>	Elevation (z) US Feet: <u>798.522</u>	

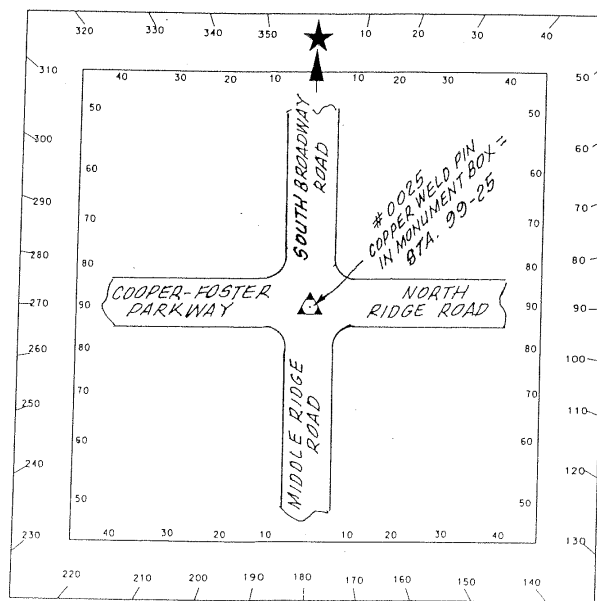
Location: TO REACH THE STATION, COMMENCE AT THE INTERSECTION OF INDIAN HOLLOW ROAD (CR 26) AND STATE HIGHWAY 303 (WAKEMAN-LaGRANGE-RICHFIELD ROAD) IN LaGRANGE TOWNSHIP AND TRAVEL EAST ON STATE HIGHWAY 303 FOR 0.7 MILES MORE OR LESS TO THE STATION ON THE SOUTH SIDE OF THE ROADWAY AND NEAR THE LaGRANGE/GRAFTON TOWNSHIP LINE. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



# Lorain County Engineer's Office Geodetic Survey Marker

Station Name: 99-25                      Alias: None                      GPS#: 0025  
USGS Quad: Lorain                      Township: Elyra/Sheffield Line  
Type of Mark: CW Pin in Monument Box                      Set By: Unknown  
Stamping on Mark: N/A                      Survey By: Surdex/Weh  
Horizontal Datum: NAD83(1986)                      Horizontal Order: First                      Method: GPS  
Latitude: 41-25-05.393194                      Longitude: 82-09-46.296962  
North (y) Meters: 194553.504                      East (x) Meters: 628184.025  
North (y) Feet: 638297.621                      East (x) Feet: 2060967.090  
Convergence: 0-13-17-34                      Combined Factor: 0.99992903  
State Plane Coordinate System Zone: Ohio North (3401)  
Vertical Datum: NAVD88                      Vertical Order: Second  
Elevation (z) Meters: 217.892                      Elevation (z) US Feet: 714.866

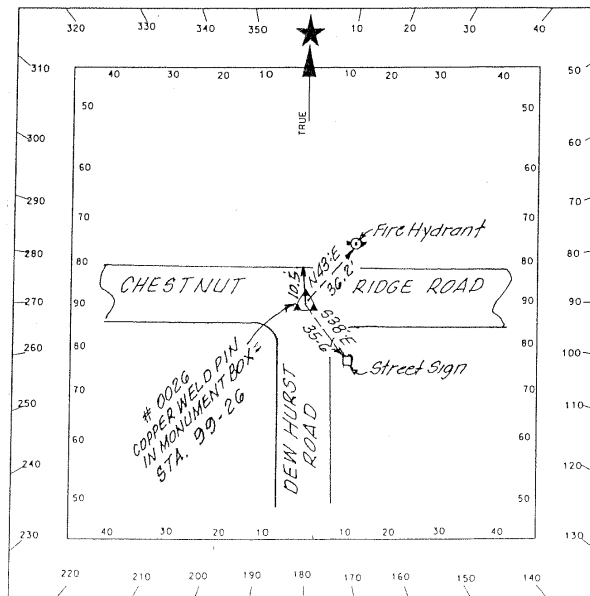
Location: THE STATION IS LOCATED IN THE INTERSECTION OF COOPER-FOSTER PARKWAY (NORTH RIDGE ROAD) AND SOUTH BROADWAY ROAD (MIDDLE RIDGE ROAD) NEAR THE ELYRIA/SHEFFIELD TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-26</u>	Alias: <u>None</u>	GPS#: <u>0026</u>
USGS Quad: <u>Grafton</u>	Township: <u>Eaton</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-20-35.718533</u>	Longitude: <u>82-04-08.861240</u>	
North (y) Meters: <u>186268.930</u>	East (x) Meters: <u>636060.837</u>	
North (y) Feet: <u>611117.313</u>	East (x) Feet: <u>2086809.597</u>	
Convergence: <u>0-16-59.02</u>	Combined Factor: <u>0.99991998</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>230.148</u>	Elevation (z) US Feet: <u>755.078</u>	

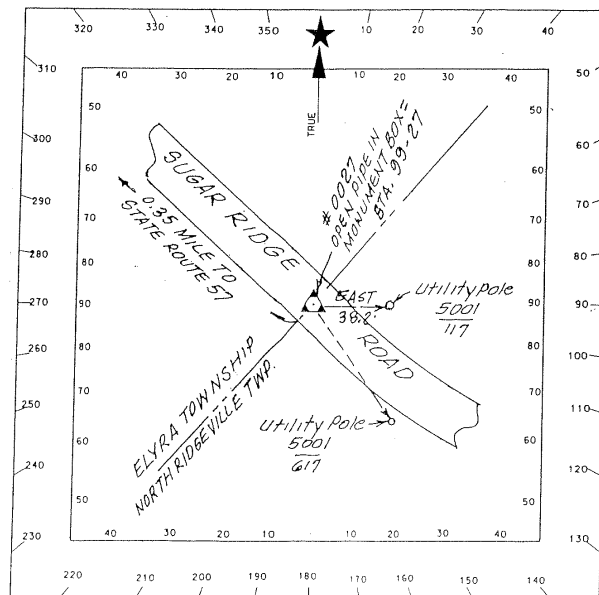
Location: THE STATION IS LOCATED IN THE INTERSECTION OF CHESTNUT RIDGE ROAD AND DEWHURST ROAD IN EATON TOWNSHIP. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-27</u>	Alias: <u>None</u>	GPS#: <u>0027</u>
USGS Quad: <u>Grafton</u>	Township: <u>Elyria</u>	
Type of Mark: <u>Open Top Pipe</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-21-44.492886</u>	Longitude: <u>82-04-08.100972</u>	
North (y) Meters: <u>188390.591</u>	East (x) Meters: <u>636068.025</u>	
North (y) Feet: <u>618078.130</u>	East (x) Feet: <u>2086833.180</u>	
Convergence: <u>0-16-59.52</u>	Combined Factor: <u>0.99992222</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>226.395</u>	Elevation (z) US Feet: <u>742.764</u>	

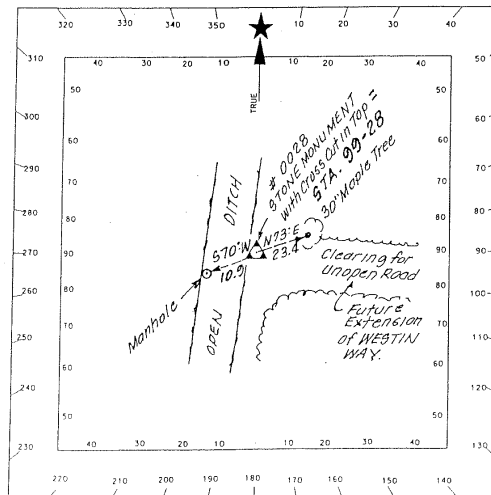
Location: TO REACH THE STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY 20 (STATE HIGHWAY 27) AND SUGAR RIDGE ROAD IN ELYRIA TOWNSHIP AND TRAVEL SOUTHEASTERLY ON SUGAR RIDGE ROAD FOR 0.35 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE ELYRIA/NORTH RIDGEVILLE TOWNSHIP LINE. THE STATION IS AN OPEN TOP PIPE IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-28</u>	Alias: <u>None</u>	GPS#: <u>0028</u>
USGS Quad: <u>Grafton</u>	Township: <u>Eaton</u>	
Type of Mark: <u>Stone Monument</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>Cut Cross</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-21-06.332717</u>	Longitude: <u>82-04-08.735617</u>	
North (y) Meters: <u>187213.339</u>	East (x) Meters: <u>636059.092</u>	
North (y) Feet: <u>614215.763</u>	East (x) Feet: <u>2086803.870</u>	
Convergence: <u>0-16-59.10</u>	Combined Factor: <u>0.99992109</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>	Vertical Order: <u>Second</u>	
Vertical Datum: <u>NAVD88</u>	Elevation (z) US Feet: <u>746.914</u>	

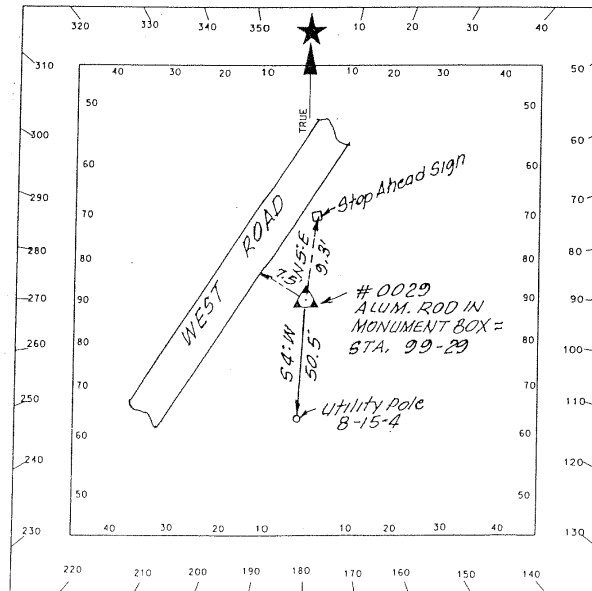
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY 20 (STATE HIGHWAY 57) AND CHESTNUT RIDGE ROAD IN EATON TOWNSHIP AND TRAVEL NORTHEASTERLY ALONG CHESTNUT RIDGE ROAD FOR 0.2 MILES; THENCE TRAVEL NORTH ALONG STILL WATER BOULEVARD FOR 0.5 MILES; THENCE TRAVEL WEST ALONG WESTIN WAY FOR 0.1 MILES TO ITS END; THENCE CONTINUE WEST ALONG THE CLEARING FOR THE FUTURE EXTENSION OF WESTIN WAY FOR 900 FEET MORE OR LESS TO THE STATION AT THE ELYRIA/NORTH RIDGEVILLE/EATON TOWNSHIP CORNER. THE STATION IS A STONE MONUMENT WITH A CROSS CUT ON ITS TOP.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-29</u>	Alias: <u>None</u>	GPS#: <u>0029</u>
USGS Quad: <u>Sullivan</u>	Township: <u>Huntington</u>	
Type of Mark: <u>Rod In Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-29</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-04-04.431491</u>	Longitude: <u>82-10-53.027711</u>	
North (y) Meters: <u>155649.882</u>	East (x) Meters: <u>626776.541</u>	
North (y) Feet: <u>510661.322</u>	East (x) Feet: <u>2056349.368</u>	
Convergence: <u>0-12-33.50</u>	Combined Factor: <u>0.99989334</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>	Vertical Order: <u>Second</u>	
Vertical Datum: <u>NAVD88</u>	Elevation (z) US Feet: <u>1070.847</u>	
Elevation (z) Meters: <u>326.395</u>		

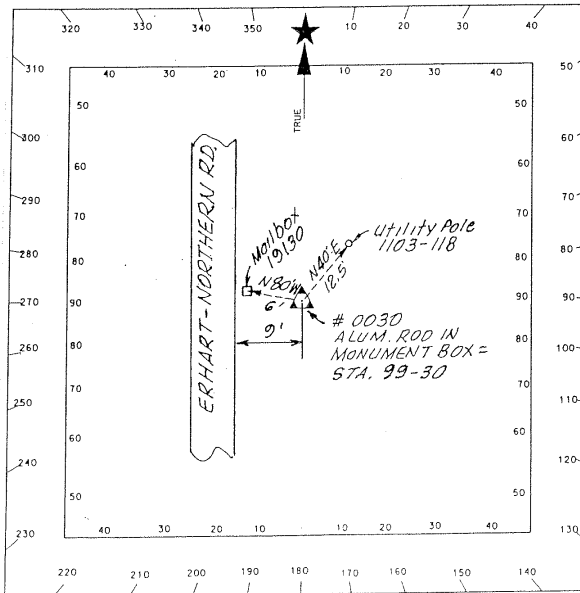
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF NEW LONDON-EASTERN ROAD (CR 40) AND WEST ROAD (CR 38) IN HUNTINGTON TOWNSHIP AND TRAVEL SOUTH ON WEST ROAD FOR 0.10 MILES MORE OR LESS TO THE STATION ON THE EASTERLY SIDE OF THE ROAD. THE STATION IS AN ALUMINUM ROD IN A "3D" MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-30</u>	Alias: <u>None</u>	GPS#: <u>0030</u>
USGS Quad: <u>Mallet Creek</u>	Township: <u>Grafton</u>	
Type of Mark: <u>Rod In Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-30</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-12-16.458242</u>	Longitude: <u>81-58-25.517898</u>	
North (y) Meters: <u>170911.773</u>	East (x) Meters: <u>644135.716</u>	
North (y) Feet: <u>560733.040</u>	East (x) Feet: <u>2113301.928</u>	
Convergence: <u>0-20-44.58</u>	Combined Factor: <u>0.99990231</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>287.366</u>	Elevation (z) US Feet: <u>942.800</u>	

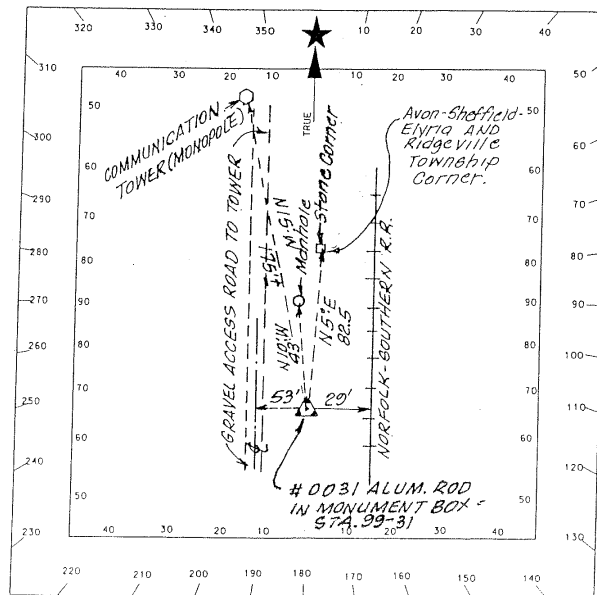
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF NEFF ROAD AND ERHART-NORTHERN ROAD IN GRAFTON TOWNSHIP AND TRAVEL SOUTH ON ERHART-NORTHERN ROAD FOR 0.15 MILES MORE OR LESS TO THE STATION ON THE EAST SIDE OF THE ROAD. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-31</u>	Alias: <u>None</u>	GPS#: <u>0031</u>
USGS Quad: <u>Avon</u>	Township: <u>Elyria</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-31</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-06.301097</u>	Longitude: <u>82-04-04.332476</u>	
North (y) Meters: <u>194616.533</u>	East (x) Meters: <u>636124.763</u>	
North (y) Feet: <u>638504.408</u>	East (x) Feet: <u>2087019.326</u>	
Convergence: <u>0-17-02.00</u>	Combined Factor: <u>0.99993024</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>210.358</u>	Elevation (z) US Feet: <u>690.149</u>	

Location: THE MONUMENT IS APPROXIMATELY ON THE ELYRIA/NORTH RIDGEVILLE TOWNSHIP LINE ABOUT 30 FEET WEST OF THE NORFOLK-SOUTHERN RAILROAD, ABOUT 50 FEET EAST OF A GRAVEL ACCESS ROAD TO A COMMUNICATIONS TOWER/MONOPOLE AND ABOUT 83 FEET SOUTHERLY OF THE COMMON SHEFFIELD/AVON/ELYRIA/NORTH RIDGEVILLE TOWNSHIP CORNER. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.

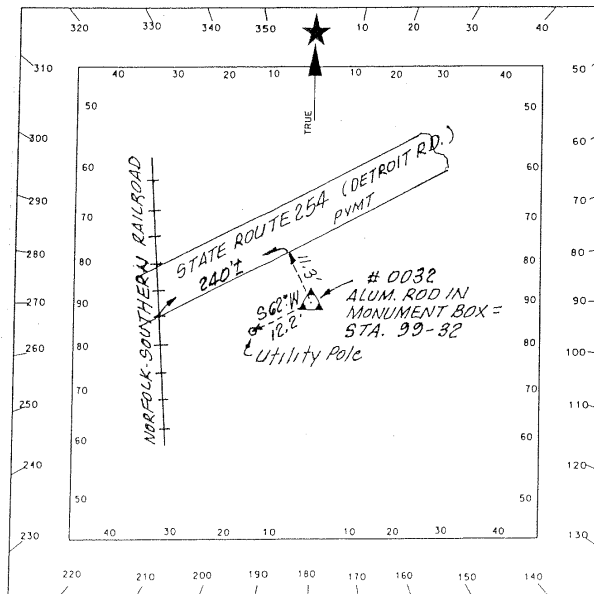




## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-32</u>	Alias: <u>None</u>	GPS#: <u>0032</u>
USGS Quad: <u>Avon</u>	Township: <u>Sheffield</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex</u>	
Stamping on Mark: <u>Lorain County Auditor #99-32</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-49.047252</u>	Longitude: <u>82-04-01.906866</u>	
North (y) Meters: <u>195935.485</u>	East (x) Meters: <u>636174.544</u>	
North (y) Feet: <u>642831.671</u>	East (x) Feet: <u>2087182.651</u>	
Convergence: <u>0-17-03.59</u>	Combined Factor: <u>0.99993233</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>205.243</u>	Elevation (z) US Feet: <u>673.368</u>	

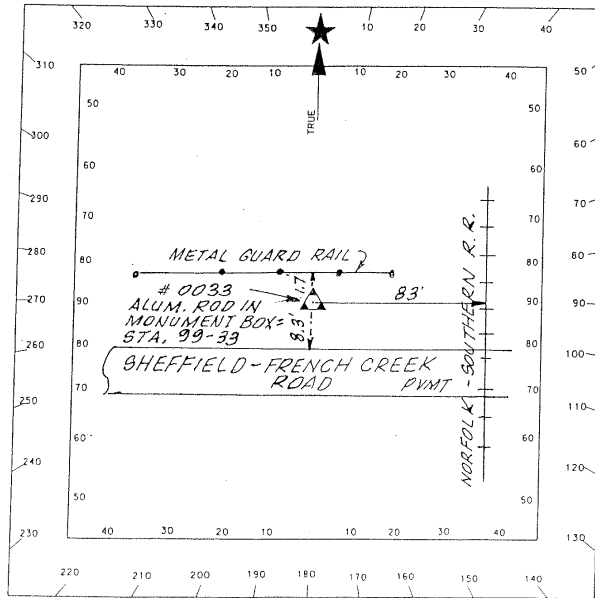
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF STATE HIGHWAY NO. 254 (DETROIT ROAD) AND CASE ROAD IN AVON TOWNSHIP AND TRAVEL SOUTHWESTERLY ON U.S. HIGHWAY NO. 254 FOR 0.3 MILES TO THE STATION ON THE SOUTHERLY SIDE OF THE ROAD ABOUT 240 FEET NORTHEASTERLY OF THE NORFOLK-SOUTHERN RAILROAD. STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-33</u>	Alias: <u>None</u>	GPS#: <u>0033</u>
USGS Quad: <u>Avon</u>	Township: <u>Sheffield</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-33</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-26-57.979862</u>	Longitude: <u>82-04-03.688166</u>	
North (y) Meters: <u>198061.787</u>	East (x) Meters: <u>636122.647</u>	
North (y) Feet: <u>649807.712</u>	East (x) Feet: <u>2087012.385</u>	
Convergence: <u>0-17-02.42</u>	Combined Factor: <u>0.99993641</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>193.066</u>	Elevation (z) US Feet: <u>633.418</u>	

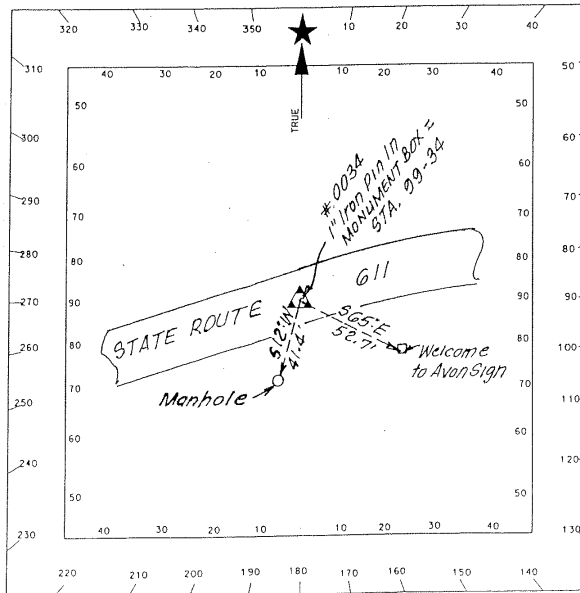
Location: TO REACH MONUMENT, COMMENCE AT THE INTERSECTION OF MOON ROAD AND SHEFFIELD-FRENCH CREEK ROAD IN AVON TOWNSHIP AND TRAVEL SOUTHWESTERLY ON SHEFFIELD-FRENCH CREEK ROAD 0.35 MILES MORE OR LESS TO THE STATION ON THE NORTH SIDE OF THE ROAD ABOUT 200 FEET WEST OF THE NORFOLK-SOUTHERN RAILROAD. STATION IS UNDER AN OVERHEAD POWER TRANSMISSION LINE ABOUT 0.15 MILES EAST OF I-90. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-34</u>	Alias: <u>None</u>	GPS#: <u>0034</u>
USGS Quad: <u>Avon</u>	Township: <u>Sheffield</u>	
Type of Mark: <u>Iron Pin</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-28-03.729863</u>	Longitude: <u>82-04-02.170100</u>	
North (y) Meters: <u>200090.298</u>	East (x) Meters: <u>636147.818</u>	
North (y) Feet: <u>656462.921</u>	East (x) Feet: <u>2087094.965</u>	
Convergence: <u>0-17-03.42</u>	Combined Factor: <u>0.99993901</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>190.317</u>	Elevation (z) US Feet: <u>624.399</u>	

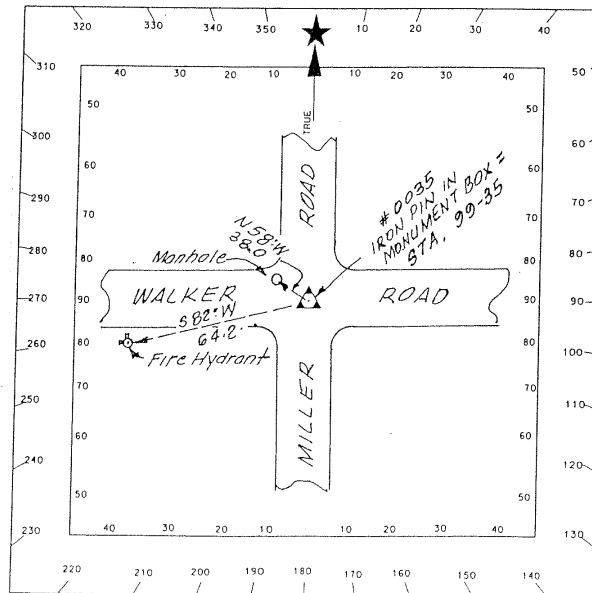
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF MILLER ROAD AND STATE HIGHWAY NO. 611 (COLORADO AVENUE) IN AVON TOWNSHIP AND TRAVEL SOUTHWEST ON U.S. HIGHWAY NO. 611 0.10 MILES MORE OR LESS TO STATION IN THE ROADWAY AT THE LORAIN/AVON TOWNSHIP LINE. THE STATION IS A 1 INCH IRON PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-35</u>	Alias: <u>None</u>	GPS#: <u>0035</u>
USGS Quad: <u>Avon</u>	Township: <u>Sheffield</u>	
Type of Mark: <u>Iron Pin</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-29-36.467754</u>	Longitude: <u>82-03-41.654238</u>	
North (y) Meters: <u>202953.587</u>	East (x) Meters: <u>636609.481</u>	
North (y) Feet: <u>665856.892</u>	East (x) Feet: <u>2088609.606</u>	
Convergence: <u>0-17-16.89</u>	Combined Factor: <u>0.99994315</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>184.596</u>	Elevation (z) US Feet: <u>605.627</u>	

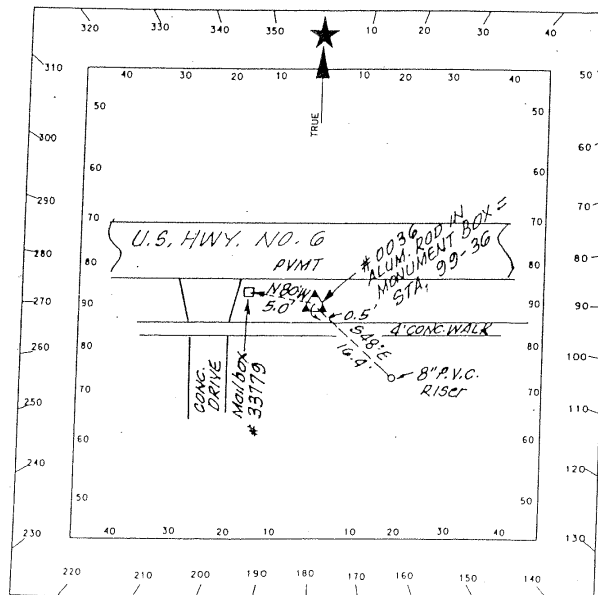
Location: THE STATION IS LOCATED IN THE INTERSECTION OF MILLER ROAD AND WALKER ROAD IN AVON LAKE TOWNSHIP ABOUT 300 FEET EAST OF THE SHEFFIELD LAKE/AVON LAKE TOWNSHIP LINE. THE STATION IS AN IRON PIN IN A MONUMENT BOX .



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-36</u>	Alias: <u>None</u>	GPS#: <u>0036</u>
USGS Quad: <u>Avon</u>	Township: <u>Sheffield</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-36</u>	Date Set: <u>2000</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-30-04.496320</u>	Longitude: <u>82-03-44.822100</u>	
North (y) Meters: <u>203817.887</u>	East (x) Meters: <u>636531.666</u>	
North (y) Feet: <u>668692.518</u>	East (x) Feet: <u>2088354.306</u>	
Convergence: <u>0-17-14.81</u>	Combined Factor: <u>0.99994461</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>181.736</u>	Elevation (z) US Feet: <u>596.244</u>	

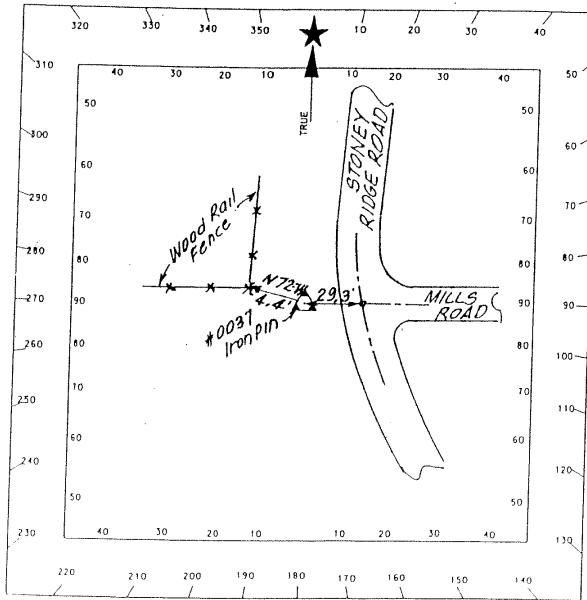
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF MILLER ROAD AND U.S. HIGHWAY NO. 6 IN AVON LAKE TOWNSHIP AND TRAVEL SOUTHWESTERLY ON U.S. HIGHWAY NO. 6 ABOUT 0.3 MILES TO THE STATION ON THE SOUTH SIDE OF THE HIGHWAY AND NEAR THE SHEFFIELD LAKE/AVON LAKE TOWNSHIP LINE. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>9937</u>	Alias: <u>N/A</u>	GPS#: <u>0037</u>
USGS Quad: <u>Avon</u>	Township: <u>Elyria</u>	
Type of Mark: <u>Iron Pin</u>	Set By: _____	
Stamping on Mark: <u>N/A</u>	Date Set: <u>Existing</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-07.588417</u>	Longitude: <u>82-02-31.615127</u>	
North (y) Meters: <u>194667.231</u>	East (x) Meters: <u>638277.561</u>	
North (y) Feet: <u>638670.740</u>	East (x) Feet: <u>2094082.297</u>	
Convergence: <u>0-18-02.91</u>	Combined Factor: <u>0.99992933</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>216.411</u>	Elevation (z) US Feet: <u>710.007</u>	

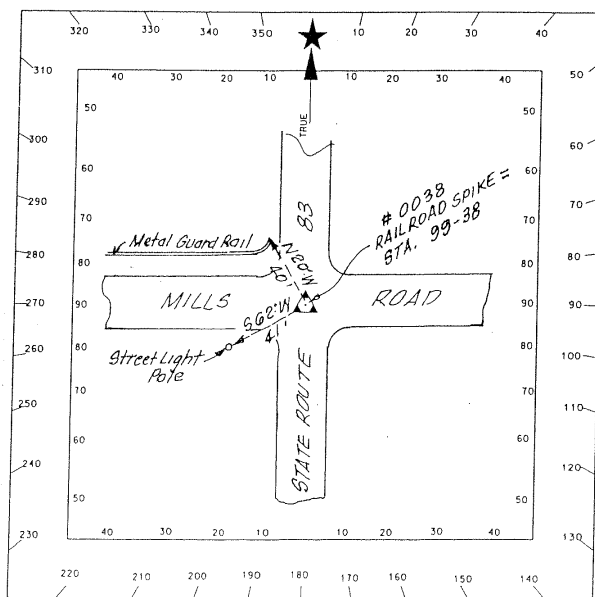
Location: THE STATION IS LOCATED ABOUT 30 FEET WESTERLY OF THE CENTER OF THE INTERSECTION OF MILLS ROAD AND STONEY RIDGE ROAD AND NEAR THE AVON/NORTH RIDGEVILLE TOWNSHIP LINE. THE STATION IS A IRON PIN.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-38</u>	Alias: <u>None</u>	GPS#: <u>0038</u>
USGS Quad: <u>Avon</u>	Township: <u>Sheffield/Elyria Line</u>	
Type of Mark: <u>Railroad Spike</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-07.665895</u>	Longitude: <u>82-01-07.407768</u>	
North (y) Meters: <u>194680.149</u>	East (x) Meters: <u>640232.929</u>	
North (y) Feet: <u>638713.123</u>	East (x) Feet: <u>2100497.533</u>	
Convergence: <u>0-18-58.23</u>	Combined Factor: <u>0.99992999</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>212.187</u>	Elevation (z) US Feet: <u>696.150</u>	

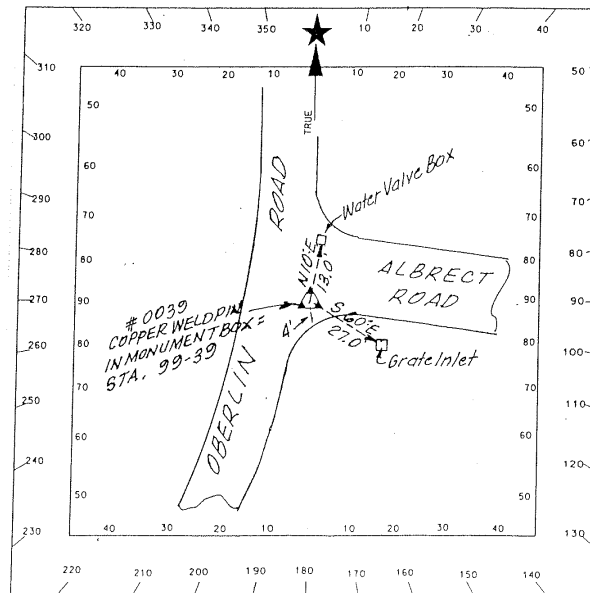
Location: THE STATION IS LOCATED IN THE INTERSECTION OF MILLS ROAD AND STATE HIGHWAY NO. 83 (WOOSTER-AVON LAKE ROAD) NEAR THE AVON/NORTH RIDGEVILLE TOWNSHIP LINE. THE STATION IS A RAILROAD SPIKE IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-39</u>	Alias: <u>None</u>	GPS#: <u>0039</u>
USGS Quad: <u>Oberlin</u>	Township: <u>Amherst</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-21-09.196955</u>	Longitude: <u>82-11-38.690264</u>	
North (y) Meters: <u>187257.515</u>	East (x) Meters: <u>625599.652</u>	
North (y) Feet: <u>614360.697</u>	East (x) Feet: <u>2052488.191</u>	
Convergence: <u>0-12-03.51</u>	Combined Factor: <u>0.99991926</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>239.767</u>	Elevation (z) US Feet: <u>786.534</u>	

Location: THE STATION IS LOCATED IN THE INTERSECTION OF OBERLIN ROAD (CR 36) AND ALBRECHT ROAD (CR 112) NEAR THE AMHERST/NEW RUSSIA TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.

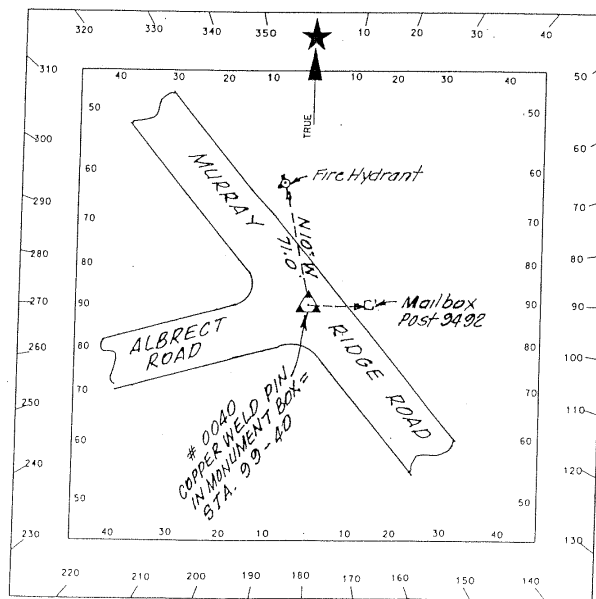




## Lorain County Engineer's Office Geodetic Survey Marker

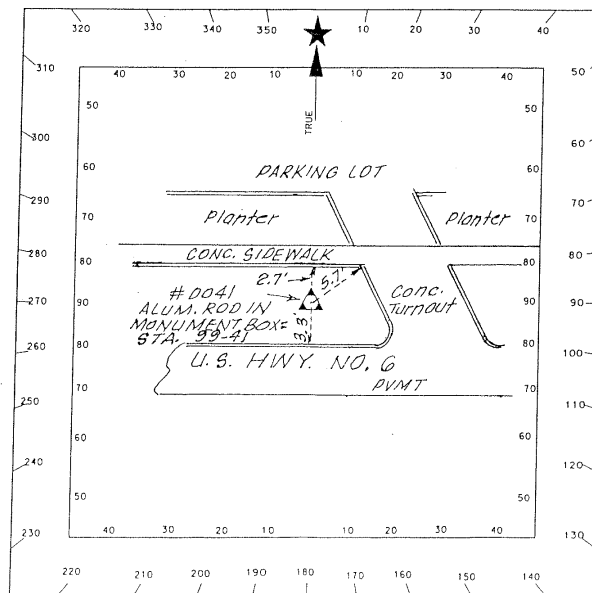
Station Name: <u>99-40</u>	Alias: <u>None</u>	GPS#: <u>0040</u>
USGS Quad: <u>Oberlin</u>	Township: <u>Carlisle</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-21-07.545391</u>	Longitude: <u>82-08-19.079455</u>	
North (y) Meters: <u>187224.317</u>	East (x) Meters: <u>630239.739</u>	
North (y) Feet: <u>614251.779</u>	East (x) Feet: <u>2067711.542</u>	
Convergence: <u>0-14-14.64</u>	Combined Factor: <u>0.99992004</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>234.539</u>	Elevation (z) US Feet: <u>769.482</u>	

Location: THE STATION IS LOCATED IN THE INTERSECTION OF ALBRECHT ROAD (CR 112) AND MURRAY RIDGE ROAD (CR 54) IN ELYRIA TOWNSHIP. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

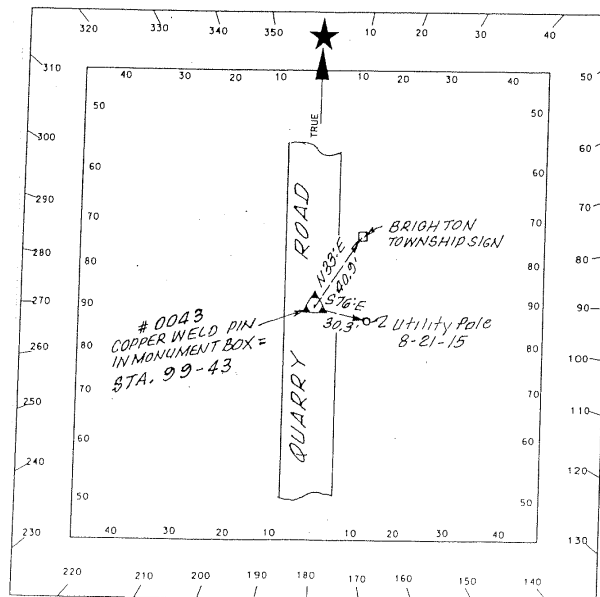
Station Name: <u>99-41</u>	Alias: <u>None</u>	GPS#: <u>0041</u>
USGS Quad: <u>Lorain</u>	Township: <u>Suffield</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-41</u>		Date Set: <u>2000</u>
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-28-18.339377</u>	Longitude: <u>82-10-15.616353</u>	
North (y) Meters: <u>200503.153</u>	East (x) Meters: <u>627480.734</u>	
North (y) Feet: <u>657817.428</u>	East (x) Feet: <u>2058659.710</u>	
Convergence: <u>0-12-58.08</u>	Combined Factor: <u>0.99994094</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>181.209</u>	Elevation (z) US Feet: <u>594.515</u>	
Location: THE STATION IS LOCATED IN LORAIN TOWNSHIP ON THE NORTH SIDE OF U.S. HIGHWAY 6 (EAST ERIE AVENUE) ABOUT 75 FEET WEST OF COLORADO AVENUE. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.		



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-43</u>	Alias: <u>None</u>	GPS#: <u>0043</u>
USGS Quad: <u>Brighton</u>	Township: <u>Rochester/Huntington Line</u>	
Type of Mark: <u>CW Pin in Monument Box</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-08-15.879850</u>	Longitude: <u>82-16-09.234849</u>	
North (y) Meters: <u>163383.030</u>	East (x) Meters: <u>619374.052</u>	
North (y) Feet: <u>536032.492</u>	East (x) Feet: <u>2032063.036</u>	
Convergence: <u>0-09-05.77</u>	Combined Factor: <u>0.99990321</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>268.238</u>	Elevation (z) US Feet: <u>880.045</u>	

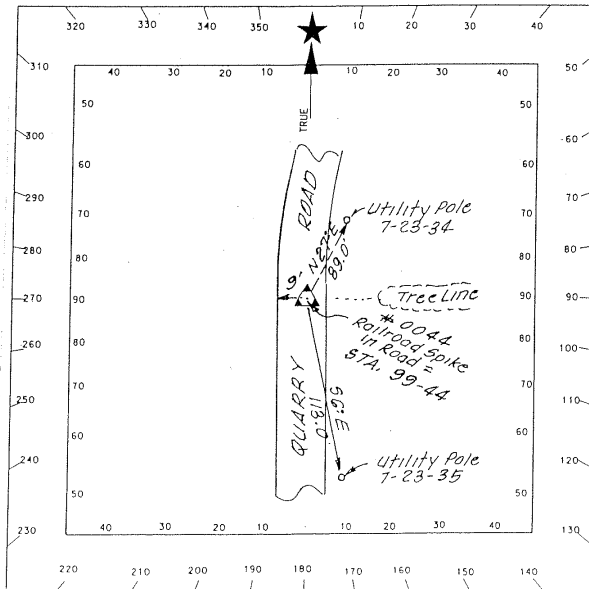
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF QUARRY ROAD (CR 30) AND GRIGGS ROAD (CR 43) AT THE ROCHESTER/HUNTINGTON TOWNSHIP LINE AND TRAVEL NORTH ON QUARRY ROAD FOR 0.55 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT BRIGHTON/WELLINGTON/ROCHESTER/HUNTINGTON TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-44</u>	Alias: <u>None</u>	GPS#: <u>0044</u>
USGS Quad: <u>Brighton</u>	Township: <u>Brighton/Wellington Line</u>	
Type of Mark: <u>Railroad Spike</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-11-57.393778</u>	Longitude: <u>82-16-06.536741</u>	
North (y) Meters: <u>170216.298</u>	East (x) Meters: <u>619418.835</u>	
North (y) Feet: <u>558451.305</u>	East (x) Feet: <u>2032209.961</u>	
Convergence: <u>0-09-07.54</u>	Combined Factor: <u>0.99990592</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>262.996</u>	Elevation (z) US Feet: <u>862.846</u>	

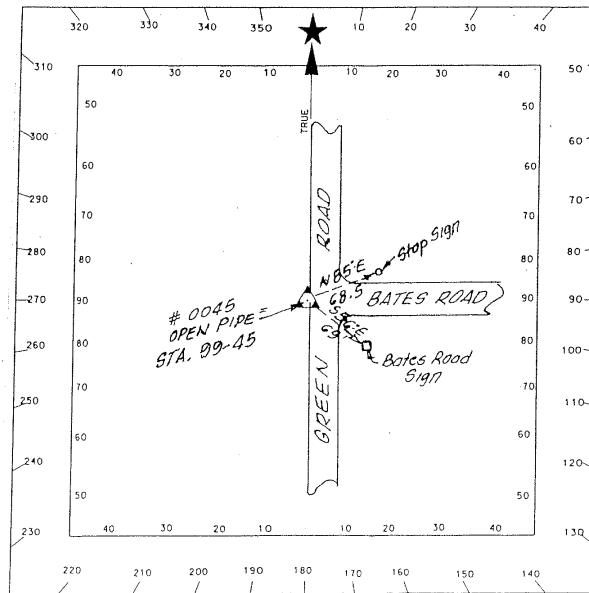
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF QUARRY ROAD (CR 30) AND PECK-WADSWORTH ROAD (CR 45) ON THE BRIGHTON/WELLINGTON TOWNSHIP LINE AND TRAVEL NORTH ON QUARRY ROAD FOR 0.7 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE BRIGHTON/WELLINGTON/CAMDEN/PITTSFIELD TOWNSHIP LINE. THE STATION IS A RAILROAD SPIKE IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-45</u>	Alias: <u>None</u>	GPS#: <u>0045</u>
USGS Quad: <u>Kipton</u>	Township: <u>Ripton</u>	
Type of Mark: <u>Open Top Iron Pipe</u>	Set By: <u>Unknown</u>	
Stamping on Mark: <u>N/A</u>	Survey By: <u>Surdex/Weh</u>	
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-16-34.117833</u>	Longitude: <u>82-20-31.970856</u>	
North (y) Meters: <u>178738.822</u>	East (x) Meters: <u>613219.058</u>	
North (y) Feet: <u>586412.287</u>	East (x) Feet: <u>2011869.527</u>	
Convergence: <u>0-06-13.17</u>	Combined Factor: <u>0.99991156</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>252.347</u>	Elevation (z) US Feet: <u>827.908</u>	

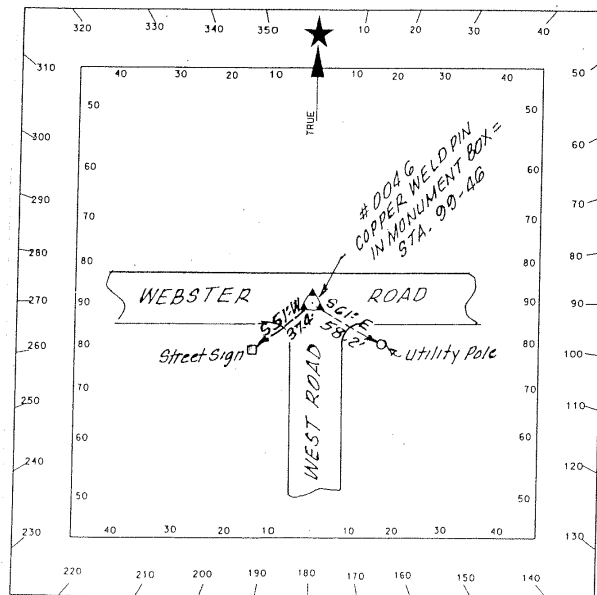
Location: THE STATION IS LOCATED ON THE WEST EDGE OF THE ROADWAY AT THE INTERSECTION OF GREEN ROAD AND BATES ROAD (CR 184) AND BEING ON THE CAMDEN/HENRIETTA TOWNSHIP LINE AND ALSO ON THE LORAIN/ERIE COUNTY LINE. THE STATION IS AN OPEN TOP IRON PIPE.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-46</u> USGS Quad: <u>Wellington</u> Type of Mark: <u>CW Pin in Monument Box</u> Stamping on Mark: <u>N/A</u> Horizontal Datum: <u>NAD83(1986)</u> Latitude: <u>41-11-59.360177</u> North (y) Meters: <u>170304.004</u> North (y) Feet: <u>558739.055</u> Convergence: <u>0-13-03.85</u> State Plane Coordinate System Zone: <u>Ohio North (3401)</u> Vertical Datum: <u>NAVD88</u> Elevation (z) Meters: <u>251.844</u>	Alias: <u>None</u> GPS#: <u>0046</u> Township: <u>Penfield/Wellington Line</u> Set By: <u>Unknown</u> Survey By: <u>Surdex/Weh</u> Horizontal Order: <u>First</u> Method: <u>GPS</u> Longitude: <u>82-10-06.832877</u> East (x) Meters: <u>627799.300</u> East (x) Feet: <u>2059704.868</u> Combined Factor: <u>0.99990769</u> Vertical Order: <u>Second</u> Elevation (z) US Feet: <u>826.258</u>
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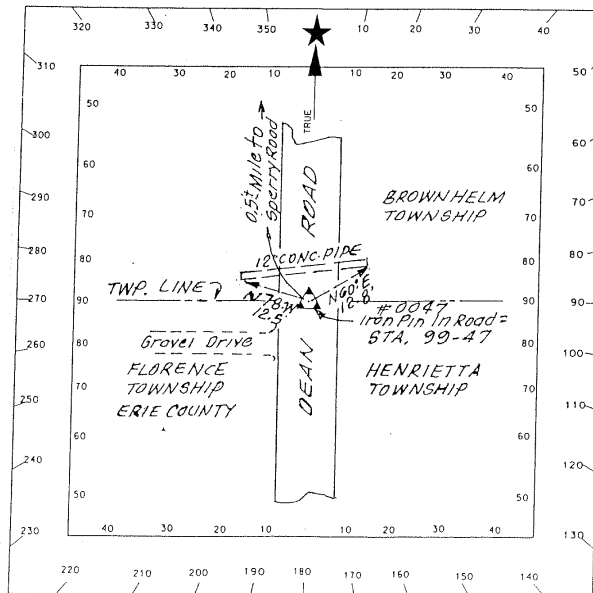
Location: THE STATION IS LOCATED IN THE INTERSECTION OF WEBSTER ROAD (CR 71) AND WEST ROAD (CR 38) AT THE PENFIELD/WELLINGTON/PITTSFIELD/LA GRANGE TOWNSHIP LINE. THE STATION IS A COPPERWELD PIN IN A MONUMENT BOX.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-47</u> USGS Quad: <u>Kipton</u> Type of Mark: <u>Iron Pin</u> Stamping on Mark: <u>N/A</u> Horizontal Datum: <u>NAD83(1986)</u> Latitude: <u>41-21-25.981076</u> North (y) Meters: <u>187741.882</u> North (y) Feet: <u>615949.825</u> Convergence: <u>0-06-06.12</u> State Plane Coordinate System Zone: <u>Ohio North (3401)</u> Vertical Datum: <u>NAVD88</u> Elevation (z) Meters: <u>238.292</u>	Alias: <u>None</u> GPS#: <u>0047</u> Township: <u>Henrietta\Brownhelm Line</u> Set By: <u>Unknown</u> Survey By: <u>Surdex/Weh</u> Horizontal Order: <u>First</u> Method: <u>GPS</u> Longitude: <u>82-20-42.701532</u> East (x) Meters: <u>612953.355</u> East (x) Feet: <u>2010997.800</u> Combined Factor: <u>0.999991990</u> Vertical Order: <u>Second</u> Elevation (z) US Feet: <u>781.797</u>
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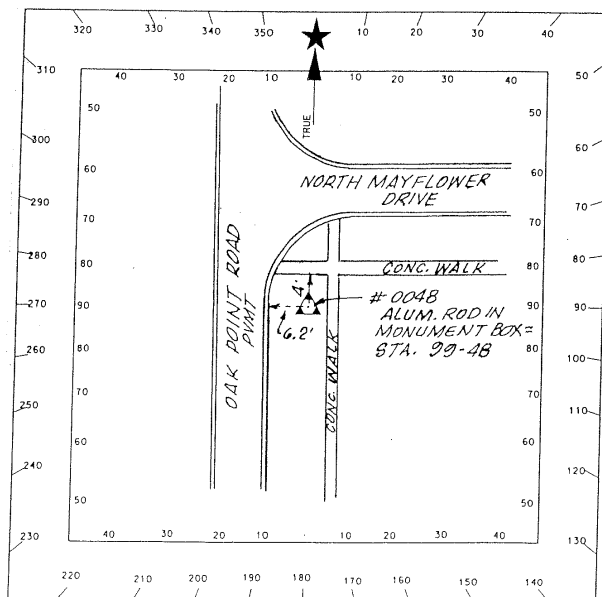
Location: TO REACH THE MONUMENT, COMMENCE AT THE INTERSECTION OF SPERRY ROAD AND DEAN ROAD IN BROWNHELM TOWNSHIP AND TRAVEL SOUTH ON DEAN ROAD FOR 0.5 MILES MORE OR LESS TO THE STATION IN THE ROADWAY AT THE BROWNHELM/HENRIETTA TOWNSHIP LINE AND THE LORAIN/ERIE COUNTY LINE. THE STATION IS AN IRON PIN IN THE ROADWAY.



## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-48</u>	Alias: <u>None</u>	GPS#: <u>0048</u>
USGS Quad: <u>Lorain</u>	Township: <u>Amherst</u>	
Type of Mark: <u>Rod in Sleeve</u>	Set By: <u>Surdex/Weh</u>	
Stamping on Mark: <u>Lorain County Auditor #99-48</u>		Date Set: <u>2000</u>
Horizontal Datum: <u>NAD83(1986)</u>	Horizontal Order: <u>First</u>	Method: <u>GPS</u>
Latitude: <u>41-25-11.540055</u>	Longitude: <u>82-14-19.319345</u>	
North (y) Meters: <u>194721.378</u>	East (x) Meters: <u>621843.485</u>	
North (y) Feet: <u>638848.387</u>	East (x) Feet: <u>2040164.834</u>	
Convergence: <u>0-10-17.98</u>	Combined Factor: <u>0.99993374</u>	
State Plane Coordinate System Zone: <u>Ohio North (3401)</u>		
Vertical Datum: <u>NAVD88</u>	Vertical Order: <u>Second</u>	
Elevation (z) Meters: <u>189.008</u>	Elevation (z) US Feet: <u>620.105</u>	

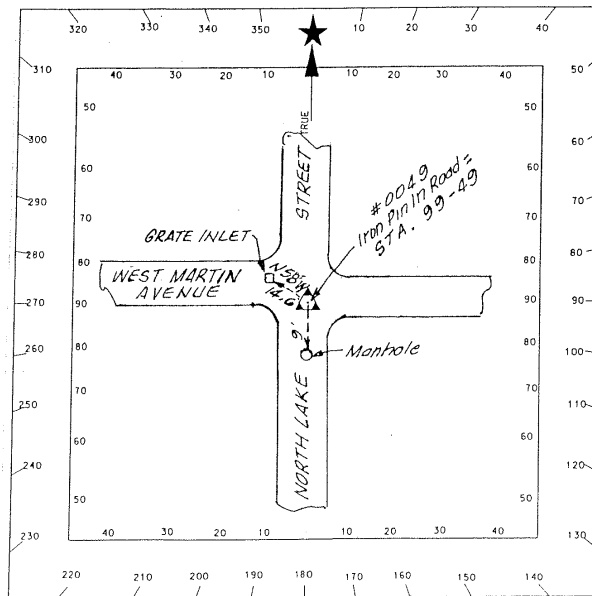
Location: THE STATION IS LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF OAK POINT ROAD AND NORTH MAYFLOWER DRIVE IN LORAIN TOWNSHIP. THE STATION IS AN ALUMINUM ROD IN A "3D" SURVEY MONUMENT CYLINDER.





## Lorain County Engineer's Office Geodetic Survey Marker

Station Name: <u>99-49</u> USGS Quad: <u>Lorain</u> Type of Mark: <u>Iron Pin</u> Stamping on Mark: <u>N/A</u> Horizontal Datum: <u>NAD83(1986)</u> Latitude: <u>41-24-08.229462</u> North (y) Meters: <u>192768.183</u> North (y) Feet: <u>632440.281</u> Convergence: <u>0-10-16.82</u> State Plane Coordinate System Zone: <u>Ohio North (3401)</u> Vertical Datum: <u>NAVD88</u> Elevation (z) Meters: <u>198.310</u> Location: THE STATION IS LOCATED IN THE INTERSECTION OF NORTH LAKE STREET AND WEST MARTIN AVENUE IN AMHERST TOWNSHIP. THE STATION IS AN IRON PIN IN THE ROADWAY.	Alias: <u>None</u> GPS#: <u>0049</u> Township: <u>Amherst</u> Set By: <u>Unknown</u> Survey By: <u>Surdex/Weh</u> Horizontal Order: <u>First</u> Method: <u>GPS</u> Longitude: <u>82-14-21.083301</u> East (x) Meters: <u>621808.365</u> East (x) Feet: <u>2040049.611</u> Combined Factor: <u>0.99993045</u> Vertical Order: <u>Second</u> Elevation (z) US Feet: <u>650.621</u>
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# Lorain County Engineer's Office Geodetic Survey Marker

Station Name: 99-50                      Alias: None                      GPS#: 0050  
USGS Quad: Lorain                      Township: Amherst  
Type of Mark: Open Top Pipe                      Set By: Unknown  
Stamping on Mark: N/A                      Date Set: Existing  
Horizontal Datum: NAD83(1986)                      Horizontal Order: First                      Method: GPS  
Latitude: 41-22-54.018589                      Longitude: 82-14-42.048417  
North (y) Meters: 190477.420                      East (x) Meters: 621328.100  
North (y) Feet: 624924.668                      East (x) Feet: 2038473.940  
Convergence: 0-10-03.05                      Combined Factor: 0.99992453  
State Plane Coordinate System Zone: Ohio North (3401)  
Vertical Datum: NAVD88                      Vertical Order: Second  
Elevation (z) Meters: 223.043                      Elevation (z) US Feet: 731.766  
Location: THE STATION IS LOCATED IN THE INTERSECTION OF SOUTH LAKE STREET AND MIDDLE RIDGE ROAD (CR 32) IN AMHERST TOWNSHIP. THE STATION IS AN OPEN TOP PIPE IN THE ROADWAY.

