

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-1**

HIGHWAY PROJECT:

MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



SURVEY CERTIFICATION

I hereby certify that the Permanent Survey Marker listed hereon was installed and positioned in accordance with and to the degree of accuracy required by Section C625.06 of the Monroe County Department of Transportation Standard specifications, and that the marker is within a Local horizontal positional accuracy of 0.025 feet based on existing project monumentation and data.

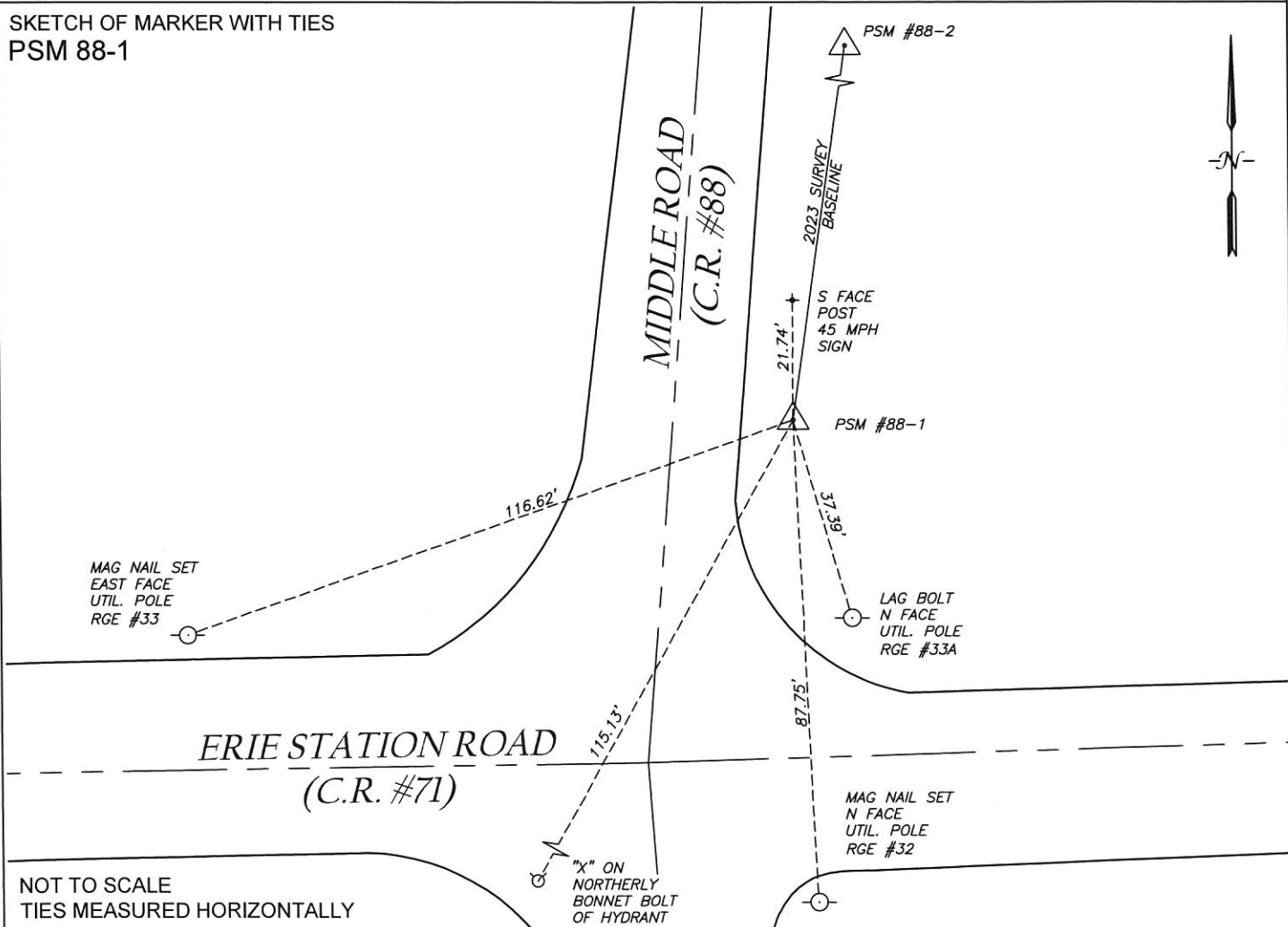
Signed: Jonathan P. Navagh Date: 2-21-24
Jonathan P. Navagh
New York State Licensed Land Surveyor #051221

ALL UNITS ARE ENGLISH AND U.S. SURVEY FEET

| | | | |
|---|--|----------|-----------------|
| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | | |
| GRID NORTHING (Y): <u>1109324.633</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1398605.898</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998711</u> | 88-2 | 1264.13 | N 08° 08' 59" E |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | | | |
| ORTHOMETRIC HEIGHT: <u>645.003</u> | | | |

PERMANENT SURVEY MARKER 88-1 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE EASTERLY SIDE OF MIDDLE ROAD, LOCATED APPROXIMATELY 60 FEET NORTHERLY FROM THE INTERSECTION OF MIDDLE ROAD WITH ERIE STATION ROAD.

**SKETCH OF MARKER WITH TIES
PSM 88-1**



NOT TO SCALE
TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-2**

HIGHWAY PROJECT:

MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



SURVEY CERTIFICATION

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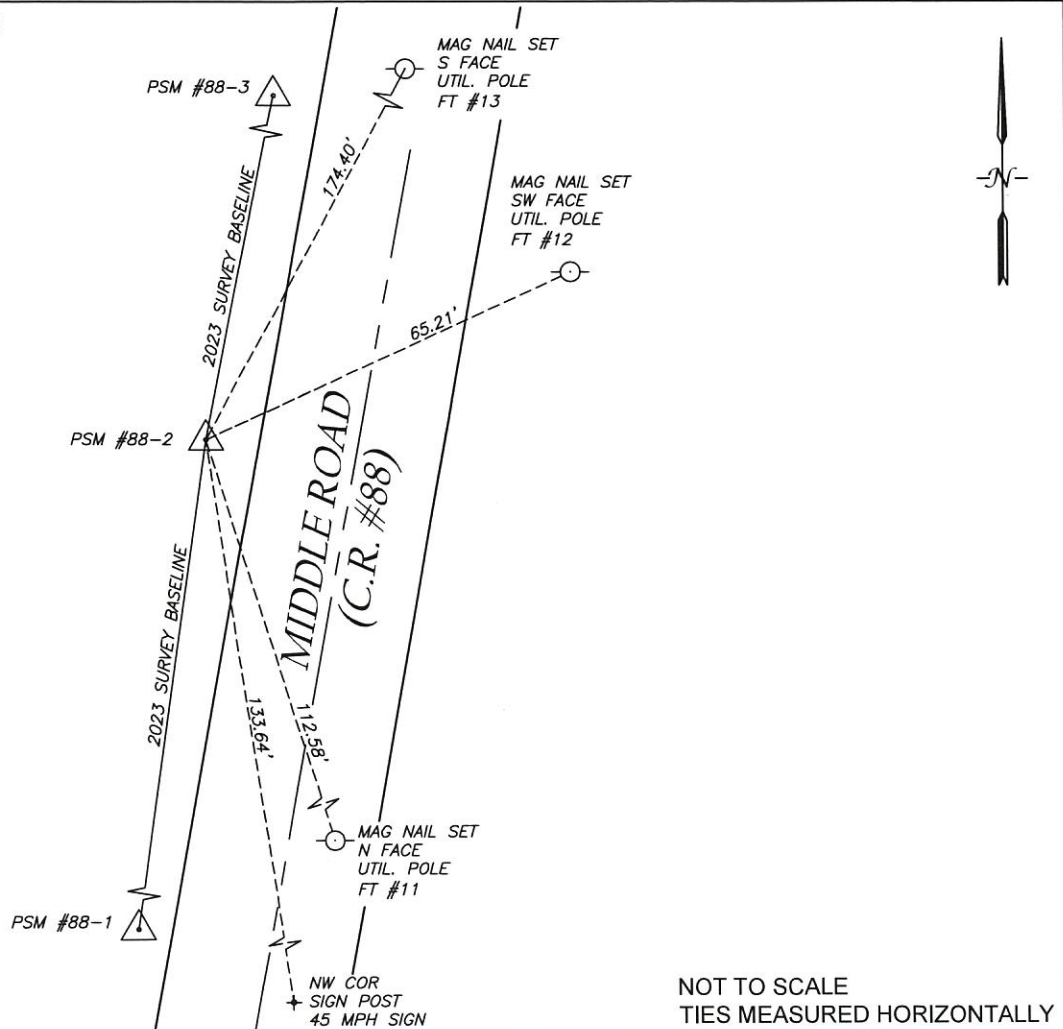
Signed: Jonathan P. Navagh Date: 2-21-24
Jonathan P. Navagh
New York State Licensed Land Surveyor #051221

ALL UNITS ARE ENGLISH AND U.S. SURVEY FEET

| | | | |
|---|--|---|-----------------|
| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | |
| GRID NORTHING (Y): <u>1110575.991</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1398785.102</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998722</u> | 88-1 | 1264.13 | S 08° 08' 59" W |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | 88-3 | 1295.98 | N 11° 16' 52" E |
| ORTHOMETRIC HEIGHT: <u>569.043</u> | | | |

PERMANENT SURVEY MARKER 88-2 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE WESTERLY SIDE OF MIDDLE ROAD, LOCATED APPROXIMATELY 1330 FEET NORTHERLY FROM THE INTERSECTION OF MIDDLE ROAD WITH ERIE STATION ROAD.

**SKETCH OF MARKER WITH TIES
PSM 88-2**



**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-3**

HIGHWAY PROJECT:

MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



SURVEY CERTIFICATION

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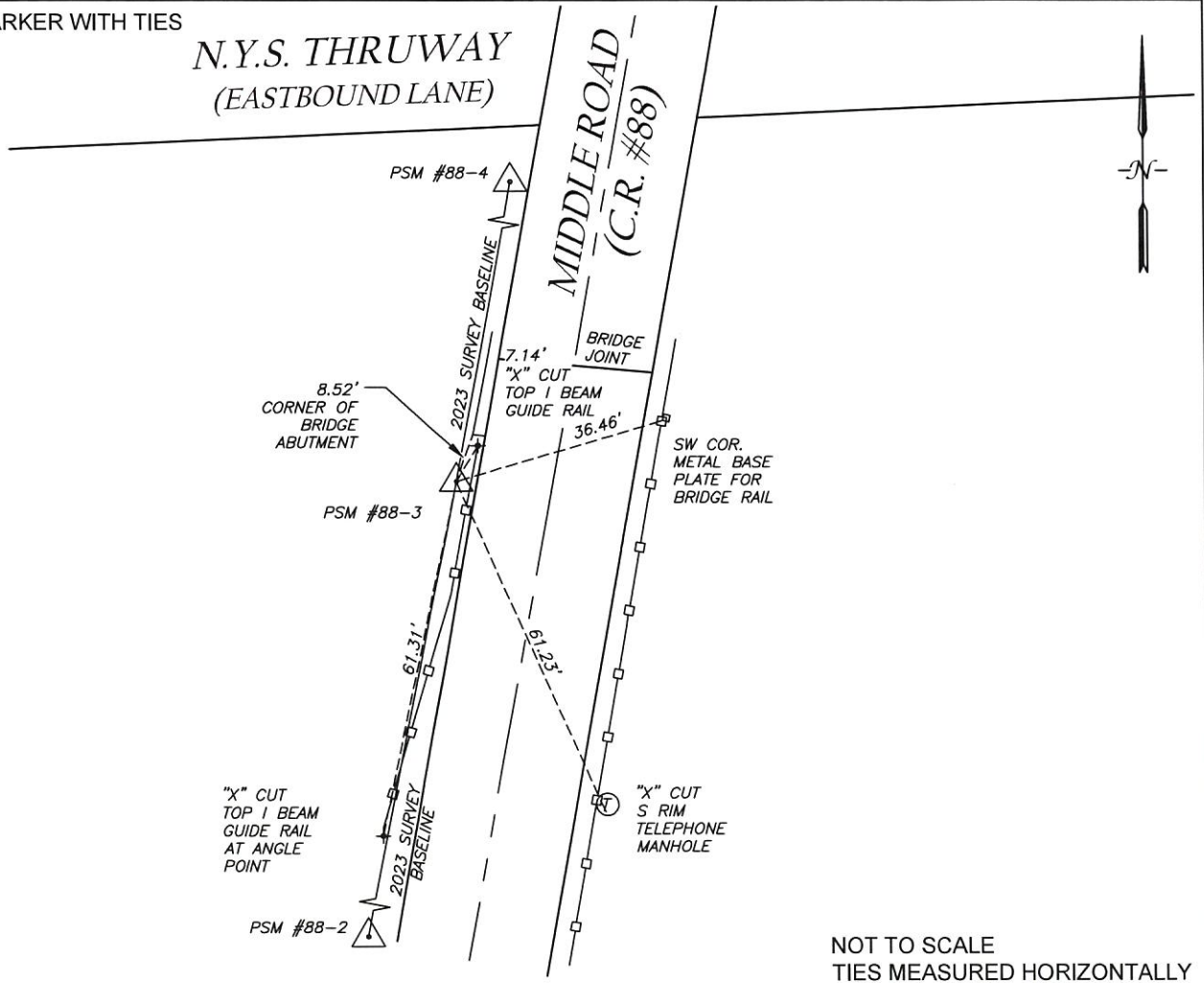
Signed: Jonathan P. Navagh Date: 2-21-24
New York State Licensed Land Surveyor #051221

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| | | | |
|---|--|---|-----------------|
| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | |
| GRID NORTHING (Y): <u>1111846.935</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1399038.625</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998736</u> | 88-2 | 1295.98 | S 11° 16' 52" W |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | 88-4 | 1105.41 | N 10° 34' 11" E |
| ORTHOMETRIC HEIGHT: <u>557.142</u> | | | |

PERMANENT SURVEY MARKER 88-3 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE WESTERLY SIDE OF MIDDLE ROAD, LOCATED APPROXIMATELY 2625 FEET NORTHERLY FROM THE INTERSECTION OF MIDDLE ROAD WITH ERIE STATION ROAD, AND JUST SOUTH OF MIDDLE ROAD BRIDGE OVER N.Y.S. THRUWAY.

**SKETCH OF MARKER WITH TIES
PSM 88-3**



NOT TO SCALE
TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-4**

HIGHWAY PROJECT:

MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



SURVEY CERTIFICATION

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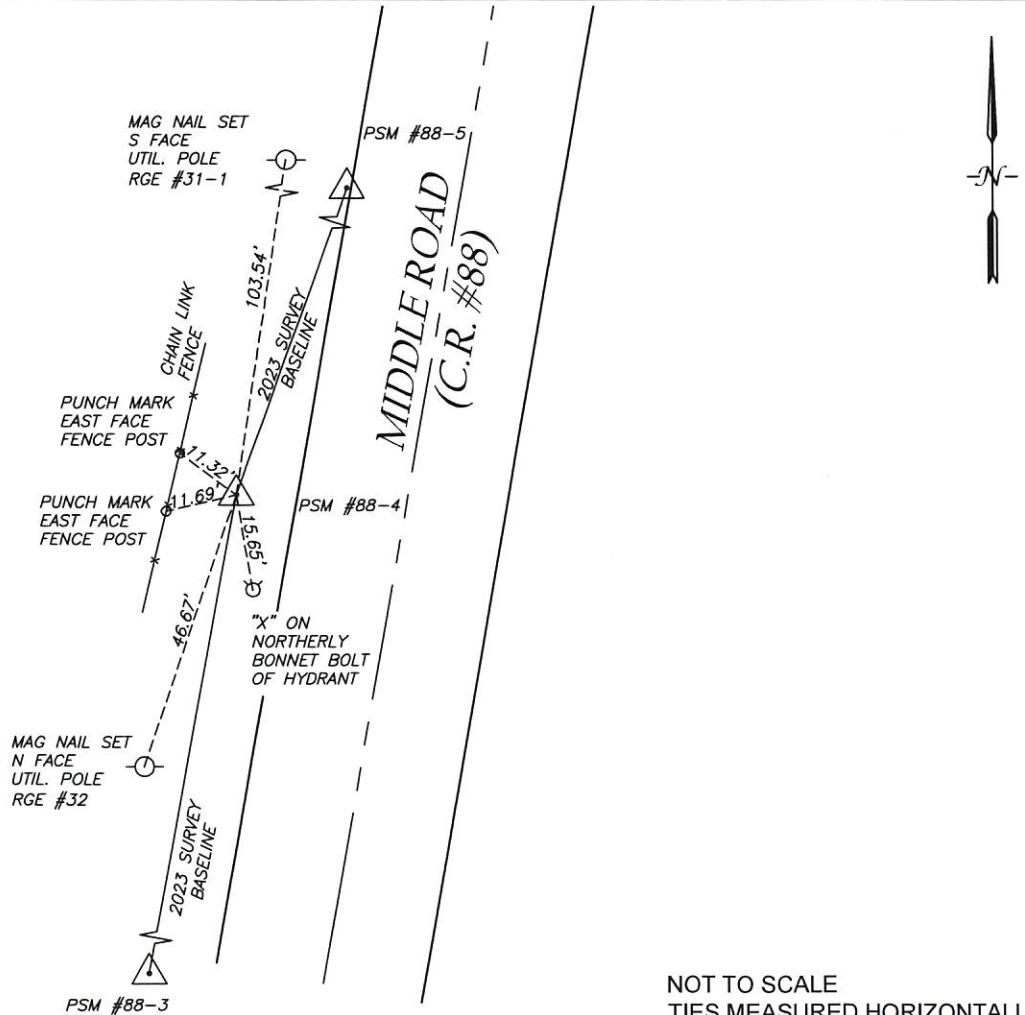
Signed: Jonathan P. Navagh Date: 2-21-24
New York State Licensed Land Surveyor #051221

ALL UNITS ARE ENGLISH AND U.S. SURVEY FEET

| | | | |
|---|--|----------|-----------------|
| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | | |
| GRID NORTHING (Y): <u>1112933.589</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1399241.393</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998748</u> | 88-3 | 1105.41 | S 10° 34' 11" W |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | 88-5 | 1307.23 | N 19° 55' 49" E |
| ORTHOMETRIC HEIGHT: <u>559.812</u> | | | |

PERMANENT SURVEY MARKER 88-4 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE EASTERLY SIDE OF MIDDLE ROAD, LOCATED APPROXIMATELY 3250 FEET SOUTHERLY FROM THE INTERSECTION OF MIDDLE ROAD WITH LEHIGH STATION ROAD, AND ADJACENT TO HOUSE #621.

**SKETCH OF MARKER WITH TIES
PSM 88-4**



NOT TO SCALE
TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-5**

HIGHWAY PROJECT:

MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



SURVEY CERTIFICATION

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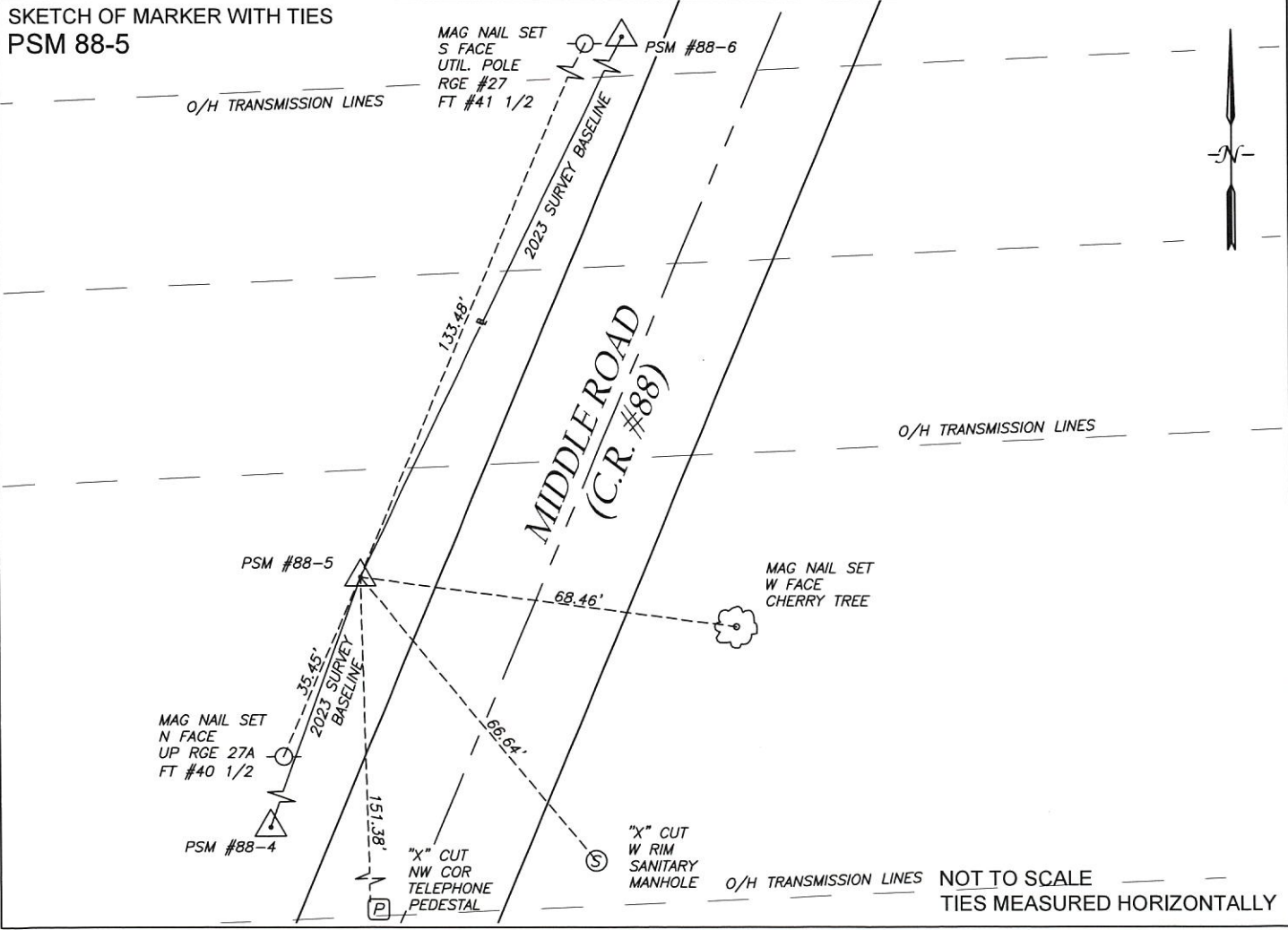
Signed: Jonathan P. Navagh Date: 2-21-24
Jonathan P. Navagh
New York State Licensed Land Surveyor #051221

ALL UNITS ARE ENGLISH AND U.S. SURVEY FEET

| | | | |
|---|--|----------|-----------------|
| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | | |
| GRID NORTHING (Y): <u>1114162.523</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1399686.998</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998774</u> | 88-4 | 1307.23 | S 19° 55' 49" W |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | 88-6 | 1074.81 | N 25° 51' 17" E |
| ORTHOMETRIC HEIGHT: <u>601.224</u> | | | |

PERMANENT SURVEY MARKER 88-5 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE WESTERLY SIDE OF MIDDLE ROAD, LOCATED APPROXIMATELY 1970 FEET SOUTHERLY FROM THE INTERSECTION OF MIDDLE ROAD WITH LEHIGH STATION ROAD.

**SKETCH OF MARKER WITH TIES
PSM 88-5**



NOT TO SCALE
TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-6**

HIGHWAY PROJECT:
MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



SURVEY CERTIFICATION

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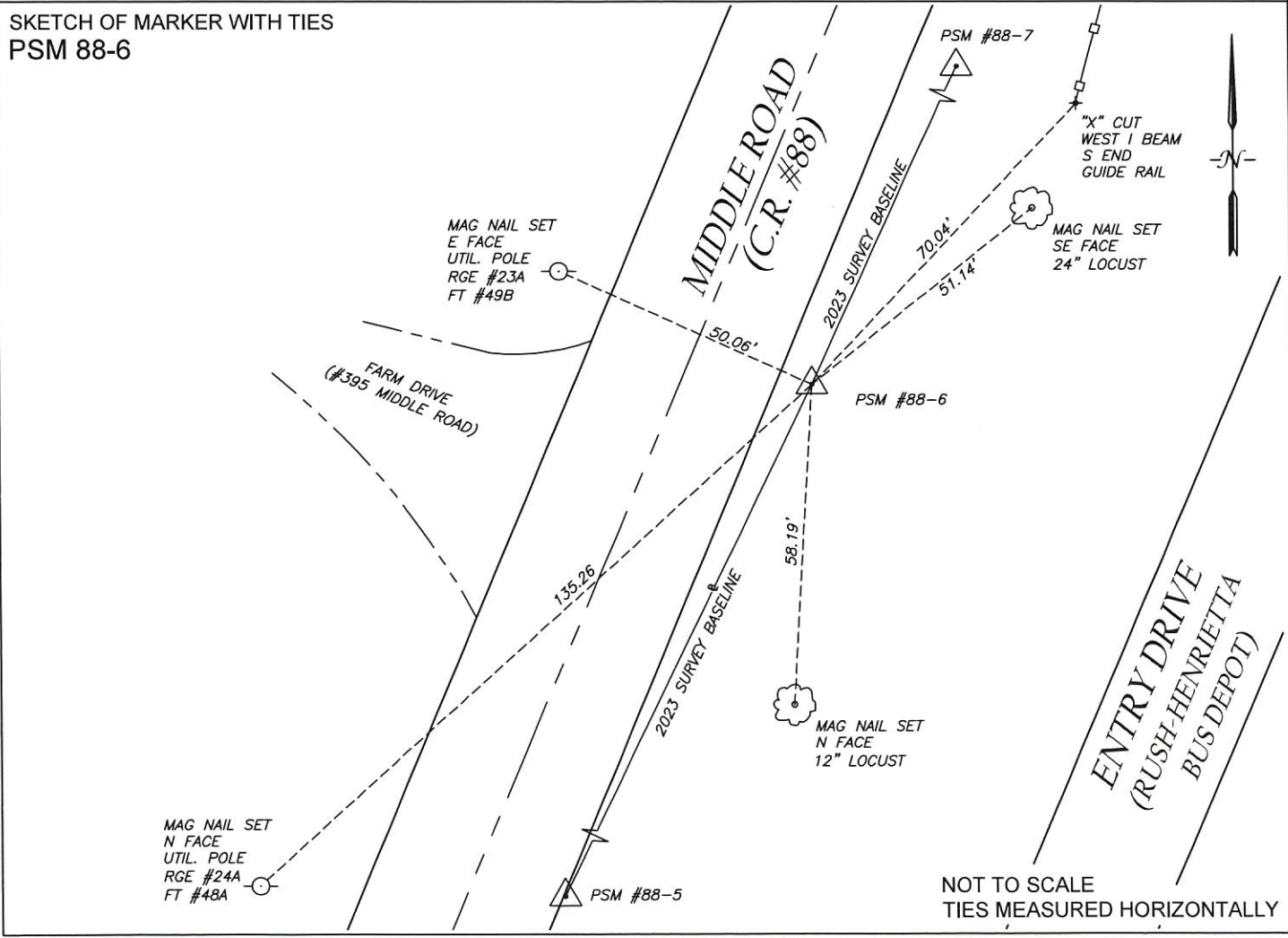
Signed: Jonathan P. Navagh Date: 2-21-24
Jonathan P. Navagh
New York State Licensed Land Surveyor #051221

ALL UNITS ARE ENGLISH AND U.S. SURVEY FEET

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| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | | |
| GRID NORTHING (Y): <u>1115129.749</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1400155.716</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998801</u> | 88-5 | 1074.81 | S 25° 51' 17" W |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | 88-7 | 840.91 | N 24° 38' 19" E |
| ORTHOMETRIC HEIGHT: <u>592.297</u> | | | |

PERMANENT SURVEY MARKER 88-6 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE EASTERLY SIDE OF MIDDLE ROAD, LOCATED APPROXIMATELY 910 FEET SOUTHERLY FROM THE INTERSECTION OF MIDDLE ROAD WITH LEHIGH STATION ROAD.

**SKETCH OF MARKER WITH TIES
PSM 88-6**



NOT TO SCALE
TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION
MIDDLE ROAD HIGHWAY IMPROVEMENT PROJECT
PERMANENT SURVEY MARKER 88-7**

HIGHWAY PROJECT:

MIDDLE ROAD (C.R. #88) HIGHWAY IMPROVEMENT PROJECT
ERIE STATION ROAD (C.R. #71) TO LEHIGH STATION ROAD (N.Y.S. #253)
TOWN OF HENRIETTA



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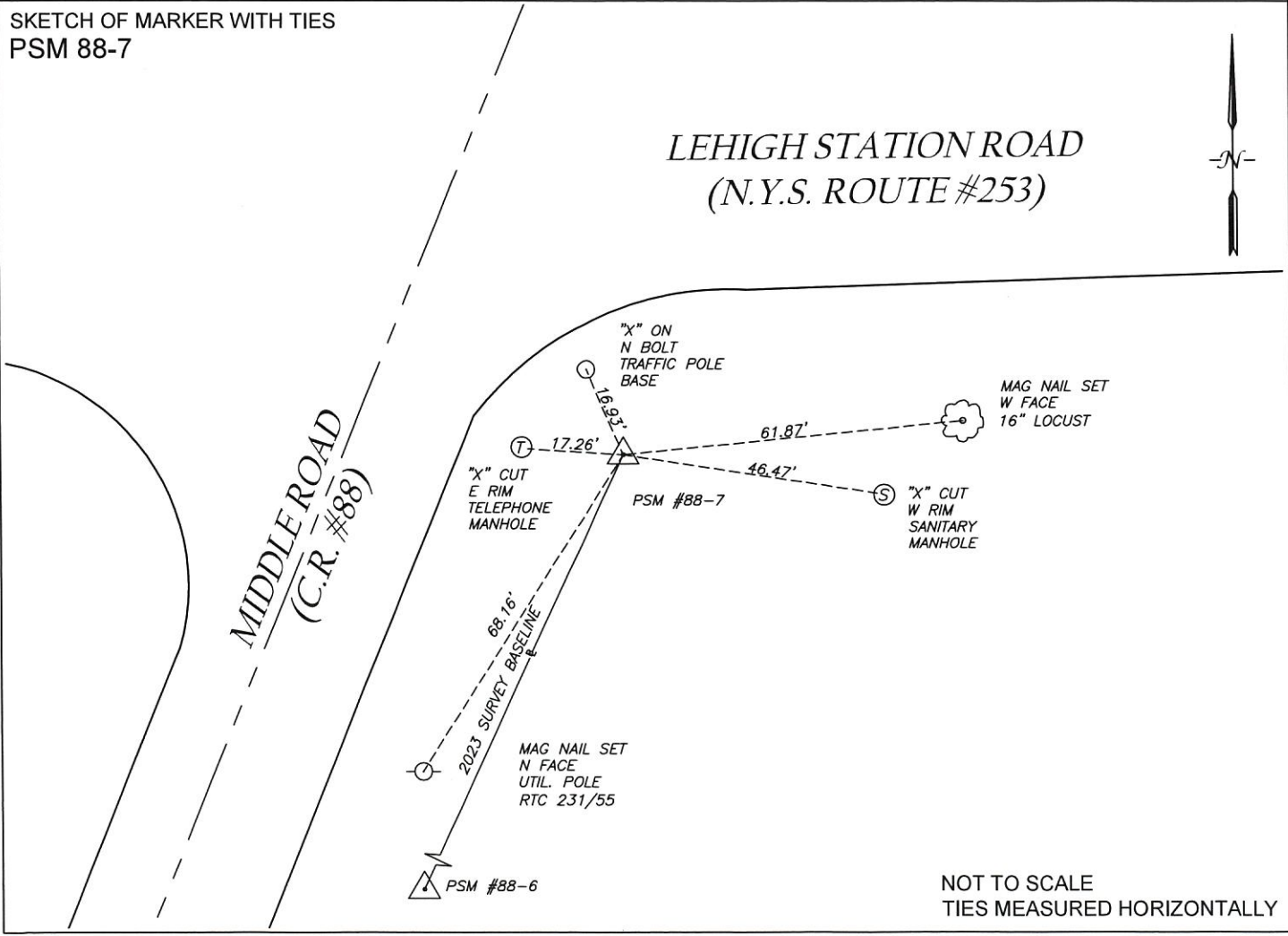
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New York State Licensed Land Surveyor #051221

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| | | | |
|---|--|---|-----------------|
| HORIZONTAL DATUM: <u>NAD 83 (2011)</u> | | NYS PLANE COORDINATE SYSTEM ZONE: <u>WEST</u> | |
| GRID NORTHING (Y): <u>1115894.103</u> | DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM | | |
| GRID EASTING (X): <u>1400506.287</u> | PSM NUMBER | DISTANCE | GRID BEARING |
| COMBINED FACTOR: <u>0.99998821</u> | 88-6 | 840.91 | S 24° 38' 19" W |
| VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u> | | | |
| ORTHOMETRIC HEIGHT: <u>566.562</u> | | | |

PERMANENT SURVEY MARKER 88-7 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE EASTERLY SIDE OF MIDDLE ROAD, LOCATED ON THE SOUTHEAST CORNER OF INTERSECTION OF MIDDLE ROAD WITH LEHIGH STATION ROAD.

**SKETCH OF MARKER WITH TIES
PSM 88-7**



NOT TO SCALE
TIES MEASURED HORIZONTALLY