

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
 "IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
 PERMANENT SURVEY MARKER 4134R (MCGS 4134R)**

**HIGHWAY PROJECT:**  
 IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
 FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
 TOWN OF GATES



**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  
 New York State Licensed Land Surveyor #051221

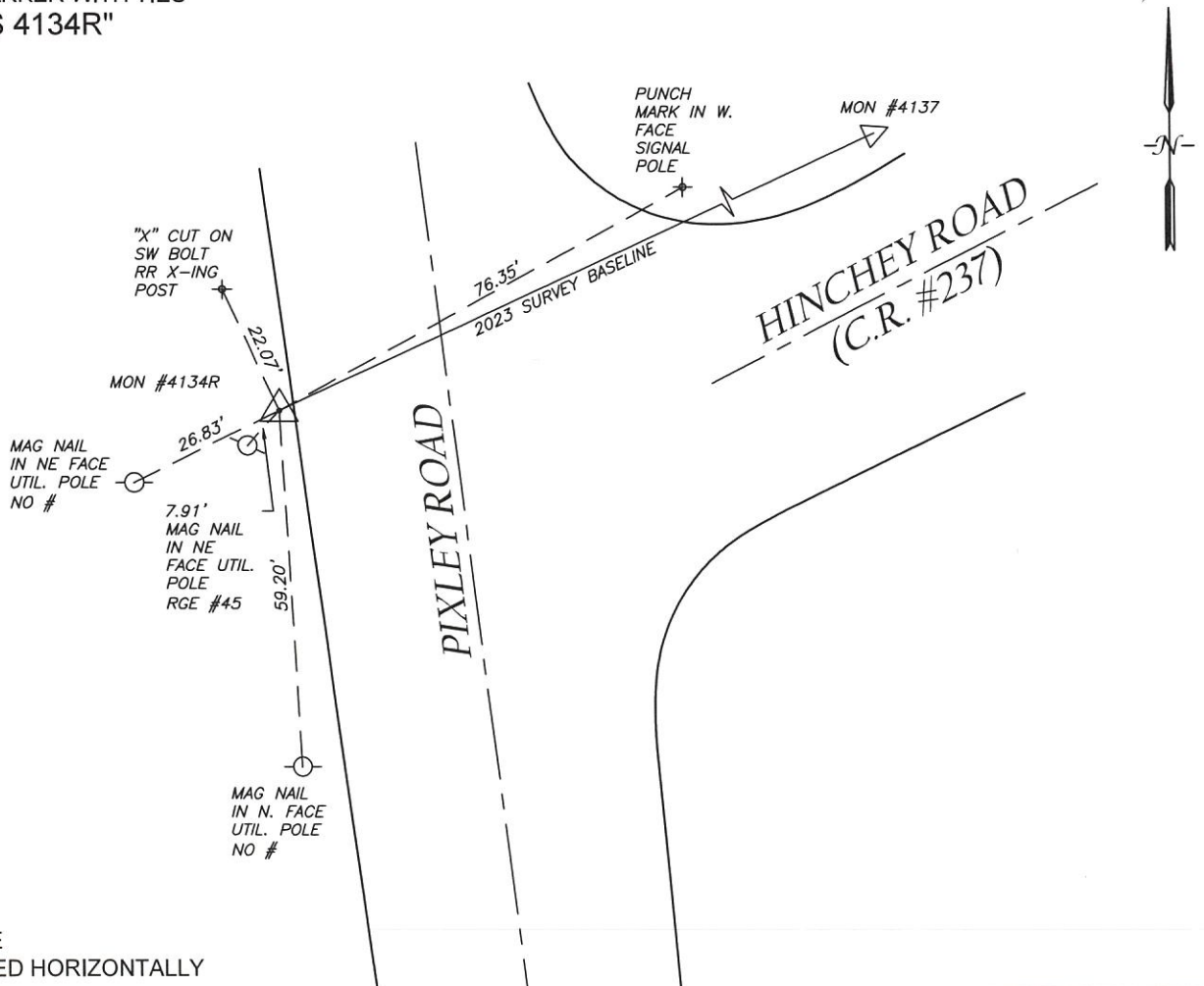
Date: 2-07-24

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>1145028.900</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1381735.410</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99997836</u>	4137	1127.76	N 64° 59' 48" E
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>			
ORTHOMETRIC HEIGHT: <u>562.390</u>			

PERMANENT SURVEY MARKER "MCGS 4134R" IS AN EXISTING BRONZE DISK IN CONCRETE LOCATED ON THE WESTERLY SIDE OF PIXLEY ROAD. MONUMENT IS LOCATED OPPOSITE THE INTERSECTION OF PIXLEY ROAD WITH HINCHEY ROAD, AND APPROXIMATELY 29 FEET FROM PIXLEY ROAD CENTERLINE.

**SKETCH OF MARKER WITH TIES  
 PSM "MCGS 4134R"**



NOT TO SCALE  
 TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
"IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
PERMANENT SURVEY MARKER 4137 (MCGS 4137)**

**HIGHWAY PROJECT:**  
IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
TOWN OF GATES



**SURVEY CERTIFICATION**

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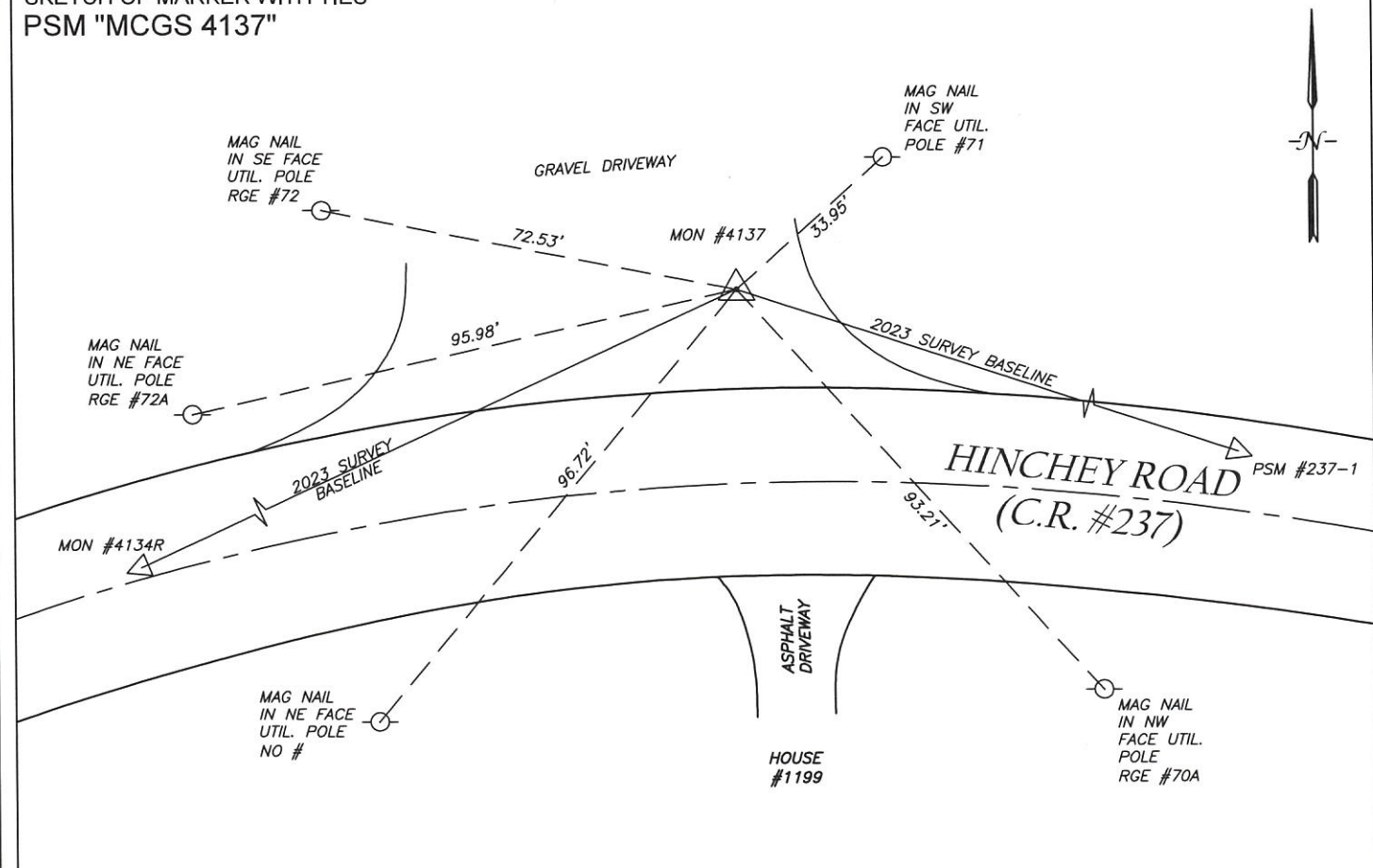
Signed: Jonathan P. Navagh Date: 2-07-24  
New York State Licensed Land Surveyor #051221

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>1145505.570</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1382757.480</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99997890</u>	4134R	1127.76	S 64° 59' 48" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-1	1290.12	S 71° 57' 05" E
ORTHOMETRIC HEIGHT: <u>565.276</u>			

PERMANENT SURVEY MARKER "MCGS 4137" IS AN EXISTING BRONZE DISK IN CONCRETE LOCATED ON THE NORTHERLY SIDE OF HINCHEY ROAD. MONUMENT IS LOCATED APPROXIMATELY 1100 FEET NORTHEASTERLY FROM THE INTERSECTION OF PIXELY ROAD WITH HINCHEY ROAD, OPPOSITE HOUSE #1199.

**SKETCH OF MARKER WITH TIES  
PSM "MCGS 4137"**



NOT TO SCALE  
TIES MEASURED HORIZONTALLY



**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
"IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
PERMANENT SURVEY MARKER 237 - 1**

**HIGHWAY PROJECT:**  
IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
TOWN OF GATES



**SURVEY CERTIFICATION**

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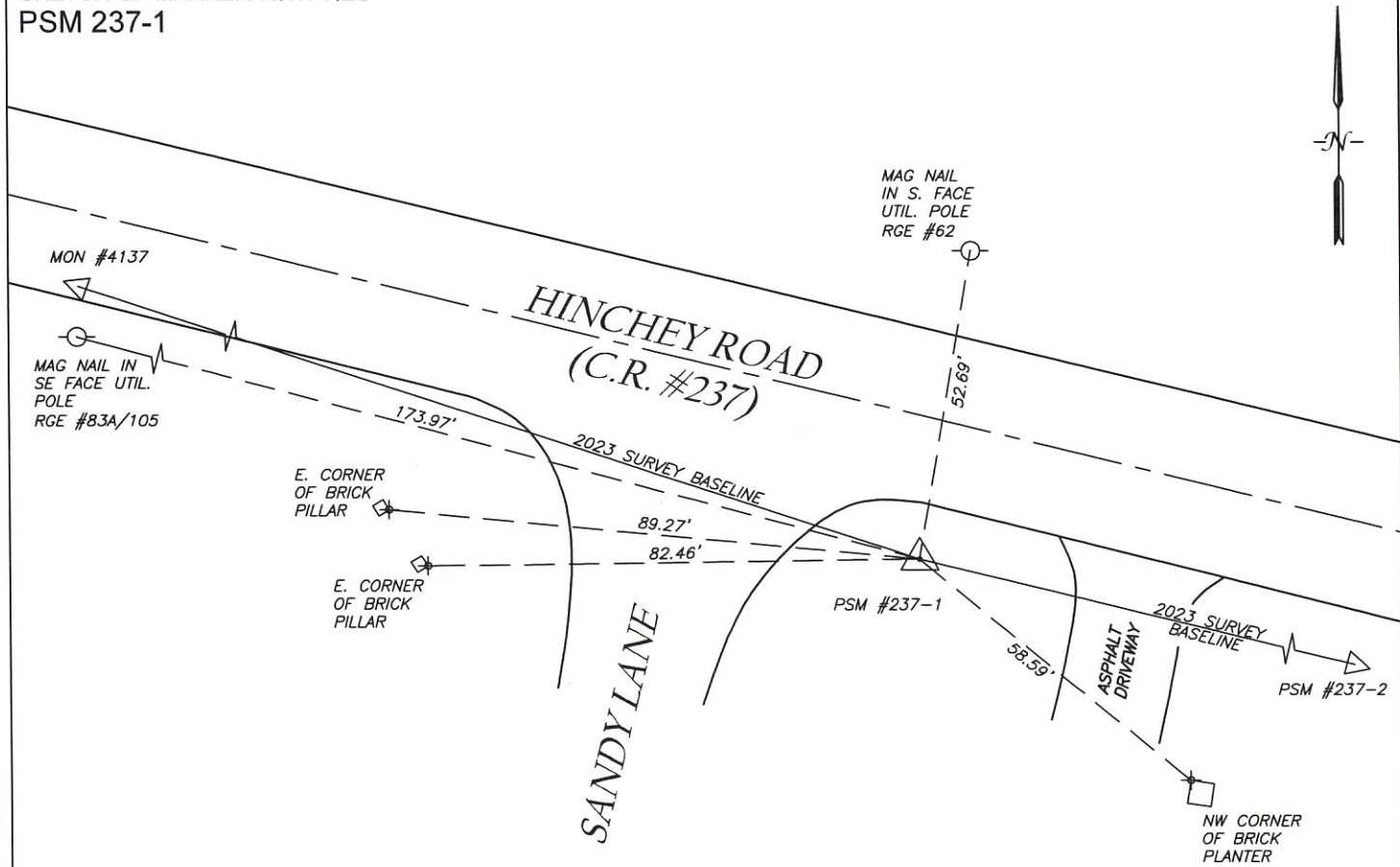
Signed: Jonathan P. Navagh Date: 2-07-24  
Jonathan P. Navagh  
New York State Licensed Land Surveyor #051221

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>1145105.860</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1383984.121</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99997956</u>	4137	1290.12	N 71° 57' 05" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-2	1001.80	S 76° 21' 07" E
ORTHOMETRIC HEIGHT: <u>569.500</u>			

PERMANENT SURVEY MARKER 237-1 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE SOUTHERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 30 FEET EASTERLY OF THE INTERSECTION OF HINCHEY ROAD AND SANDY LANE.

**SKETCH OF MARKER WITH TIES  
PSM 237-1**



NOT TO SCALE  
TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
"IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
PERMANENT SURVEY MARKER 237 - 2**

**HIGHWAY PROJECT:**  
IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
TOWN OF GATES



**SURVEY CERTIFICATION**

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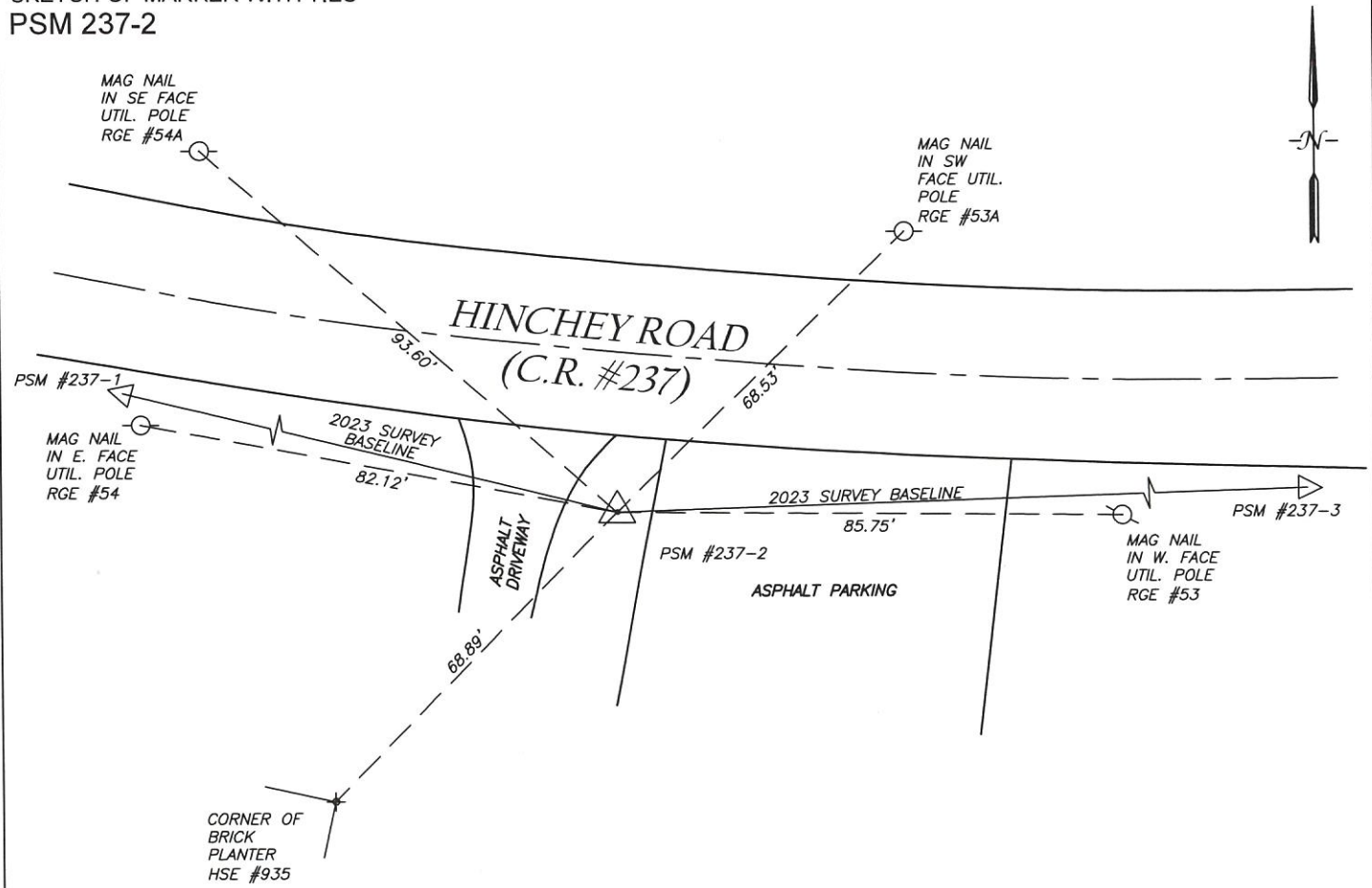
Signed: Jonathan P. Navagh Date: 7-07-24  
Jonathan P. Navagh  
New York State Licensed Land Surveyor #051221

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>1144869.478</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1384957.635</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998009</u>	237-1	1001.80	N 76° 21' 07" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-3	1123.78	N 88° 06' 00" E
ORTHOMETRIC HEIGHT: <u>571.235</u>			

PERMANENT SURVEY MARKER 237-2 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE SOUTHERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 1000 FEET WESTERLY OF THE INTERSECTION OF MARILYN PARKWAY WITH HINCHEY ROAD, IN FRONT OF HOUSE #935.

**SKETCH OF MARKER WITH TIES  
PSM 237-2**



NOT TO SCALE  
TIES MEASURED HORIZONTALLY



**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
 "IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
 PERMANENT SURVEY MARKER 237 - 3**

**HIGHWAY PROJECT:**  
 IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
 FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
 TOWN OF GATES



**SURVEY CERTIFICATION**

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Signed: Jonathan P. Navagh  
 New York State Licensed Land Surveyor #051221

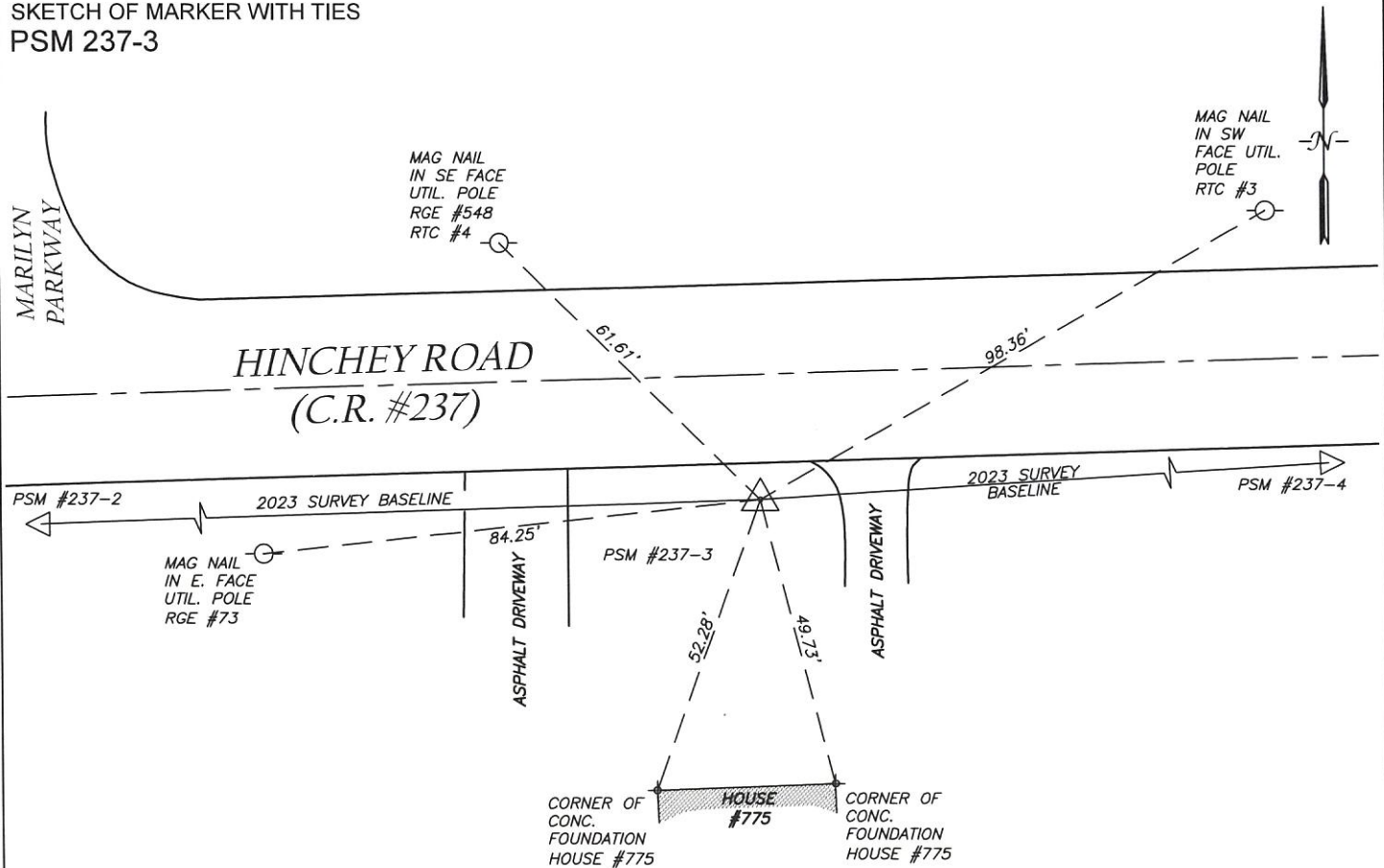
Date: 2-07-24

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>1144906.738</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1386080.801</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998070</u>	237-2	1123.78	S 88° 06' 00" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-4	1311.17	N 86° 19' 37" E
ORTHOMETRIC HEIGHT: <u>561.786</u>			

PERMANENT SURVEY MARKER 237-3 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE SOUTHERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 130 FEET EASTERLY FROM THE INTERSECTION OF MARILYN PARKWAY WITH HINCHEY ROAD.

**SKETCH OF MARKER WITH TIES  
 PSM 237-3**



NOT TO SCALE  
 TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
"IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
PERMANENT SURVEY MARKER 237 - 4**

**HIGHWAY PROJECT:**  
IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
TOWN OF GATES



**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.

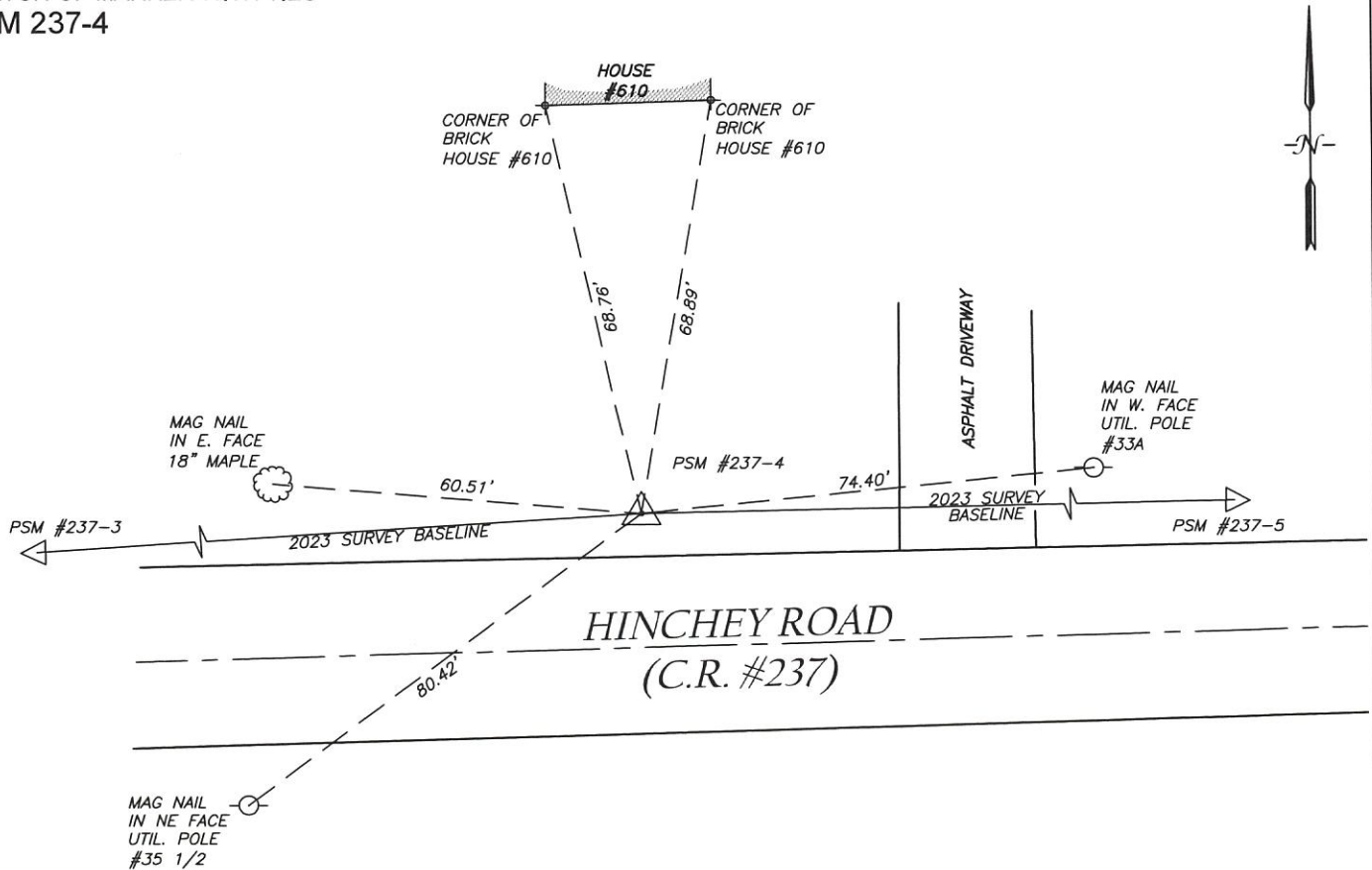
Signed: Jonathan P. Navagh Date: 2-07-24  
New York State Licensed Land Surveyor #051221

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>1144990.738</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1387389.279</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998141</u>	237-3	1311.17	S 86° 19' 37" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-5	1107.65	N 88° 45' 15" E
ORTHOMETRIC HEIGHT: <u>569.242</u>			

PERMANENT SURVEY MARKER 237-4 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE NORTHERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 950 FEET EASTERLY FROM THE INTERSECTION OF HOWARD ROAD WITH HINCHEY ROAD, IN FRONT OF HOUSE #610.

**SKETCH OF MARKER WITH TIES**  
**PSM 237-4**



NOT TO SCALE  
TIES MEASURED HORIZONTALLY



**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
 "IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
 PERMANENT SURVEY MARKER 237 - 5**

**HIGHWAY PROJECT:**  
 IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
 FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
 TOWN OF GATES



**SURVEY CERTIFICATION**

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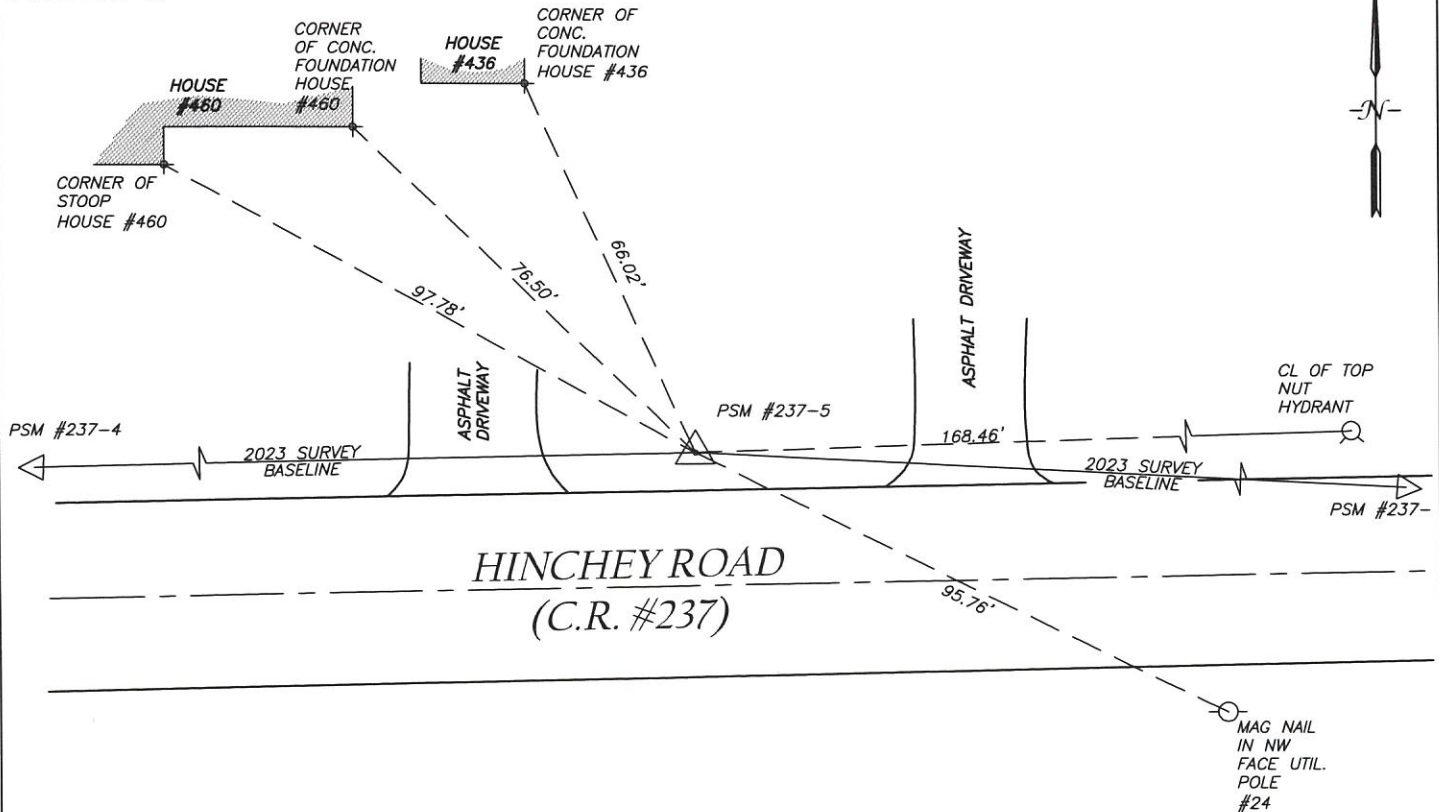
Signed: Jonathan P. Navagh Date: 2-07-24  
 New York State Licensed Land Surveyor #051221

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>1145014.823</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1388496.667</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998202</u>	237-4	1107.65	S 88° 45' 15" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-6	1147.46	S 87° 09' 13" E
ORTHOMETRIC HEIGHT: <u>570.048</u>			

PERMANENT SURVEY MARKER 237-5 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE NORTHERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 875 FEET WESTERLY FROM THE INTERSECTION OF LETTINGTON ROAD WITH HINCHEY ROAD, IN FRONT OF HOUSE #436.

**SKETCH OF MARKER WITH TIES  
 PSM 237-5**



NOT TO SCALE  
 TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
 "IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
 PERMANENT SURVEY MARKER 237 - 6**

**HIGHWAY PROJECT:**  
 IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
 FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
 TOWN OF GATES



**SURVEY CERTIFICATION**

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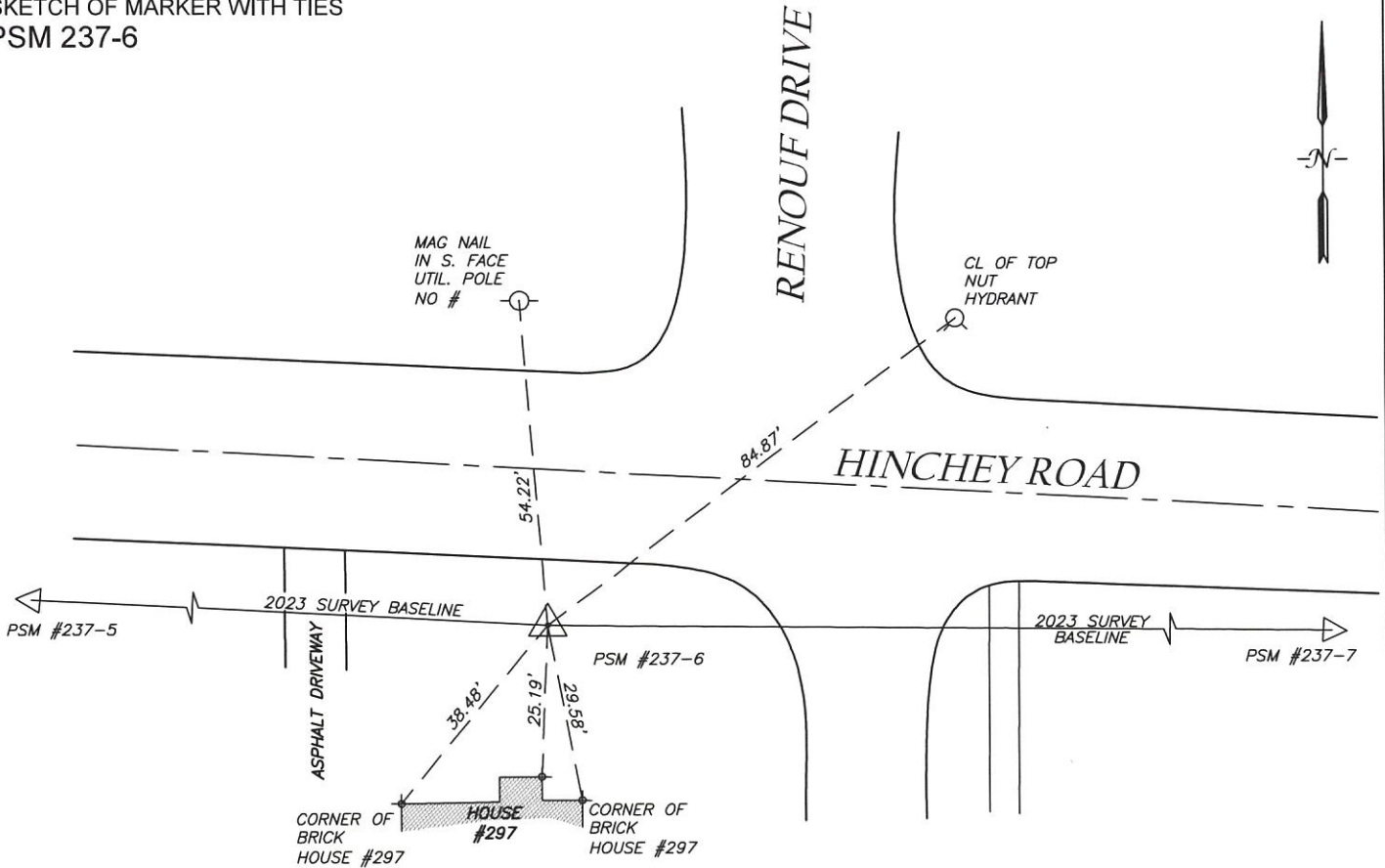
Date: 2-07-24

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>1144957.843</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1389642.708</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998265</u>	237-5	1147.46	N 87° 09' 13" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-7	1151.77	S 89° 35' 01" E
ORTHOMETRIC HEIGHT: <u>564.101</u>			

PERMANENT SURVEY MARKER 237-6 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE SOUTHERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 50 FEET WESTERLY FROM THE INTERSECTION OF RENOUF DRIVE WITH HINCHEY ROAD.

**SKETCH OF MARKER WITH TIES  
 PSM 237-6**



NOT TO SCALE  
 TIES MEASURED HORIZONTALLY



**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
 "IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
 PERMANENT SURVEY MARKER 237 - 7**

HIGHWAY PROJECT:  
 IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
 FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
 TOWN OF GATES



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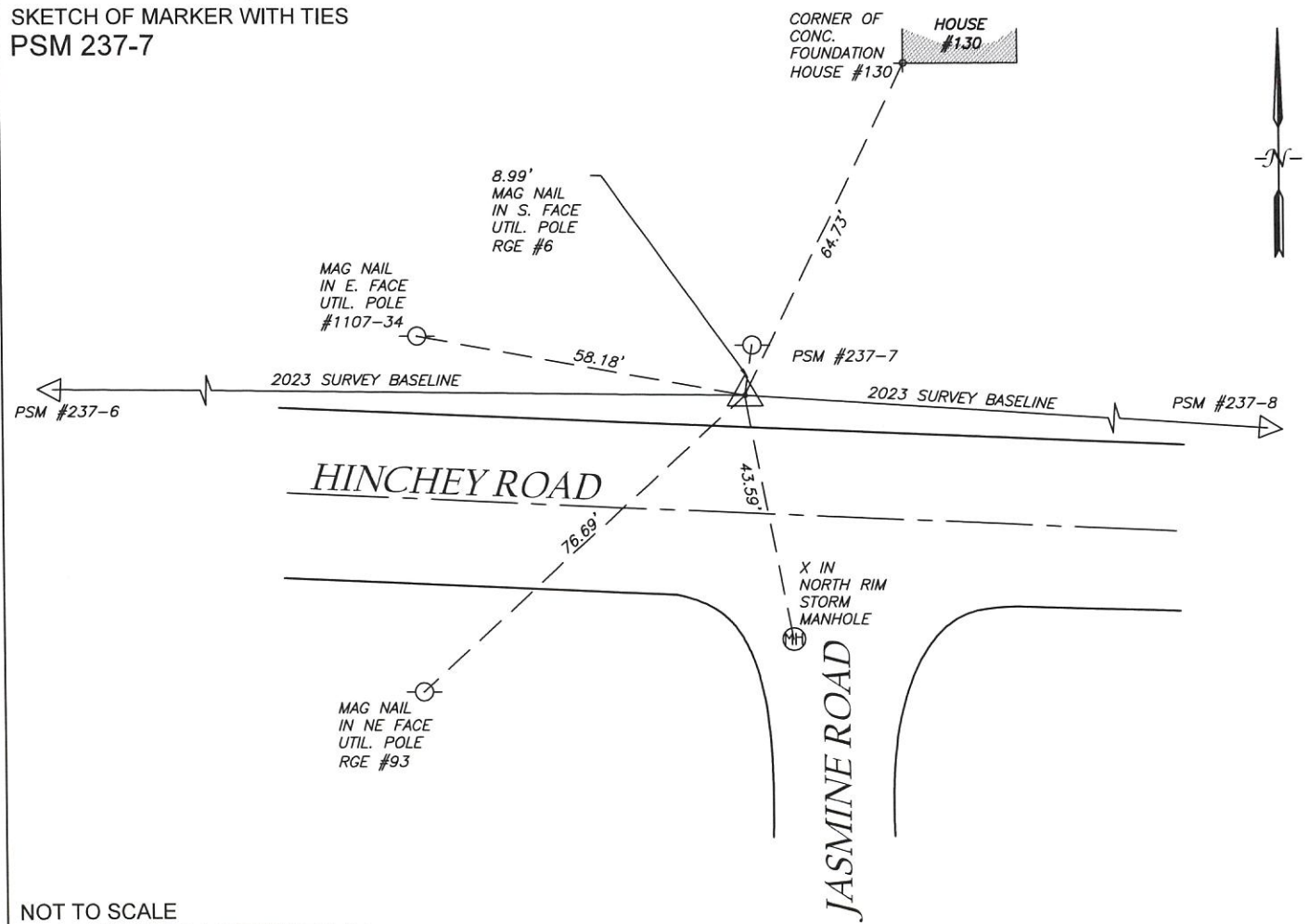
Date: 2-07-24

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>1144949.475</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1390794.447</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998329</u>	237-6	1151.77	N 89° 35' 01" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>	237-8	792.02	S 86° 17' 47" E
ORTHOMETRIC HEIGHT: <u>545.994</u>			

PERMANENT SURVEY MARKER 237-7 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE NORTHERLY SIDE OF HINCHEY ROAD, LOCATED OPPOSITE THE INTERSECTION OF JASMINE ROAD WITH HINCHEY ROAD.

**SKETCH OF MARKER WITH TIES  
 PSM 237-7**



NOT TO SCALE  
 TIES MEASURED HORIZONTALLY

**MONROE COUNTY DEPARTMENT OF TRANSPORTATION  
 "IMPROVEMENTS TO HINCHEY ROAD" HIGHWAY PROJECT  
 PERMANENT SURVEY MARKER 237 - 8**

HIGHWAY PROJECT:  
 IMPROVEMENTS TO HINCHEY ROAD (C.R. #237)  
 FROM PIXLEY RD (C.R. #160) TO CHILI AVE (N.Y.S. 33A)  
 TOWN OF GATES



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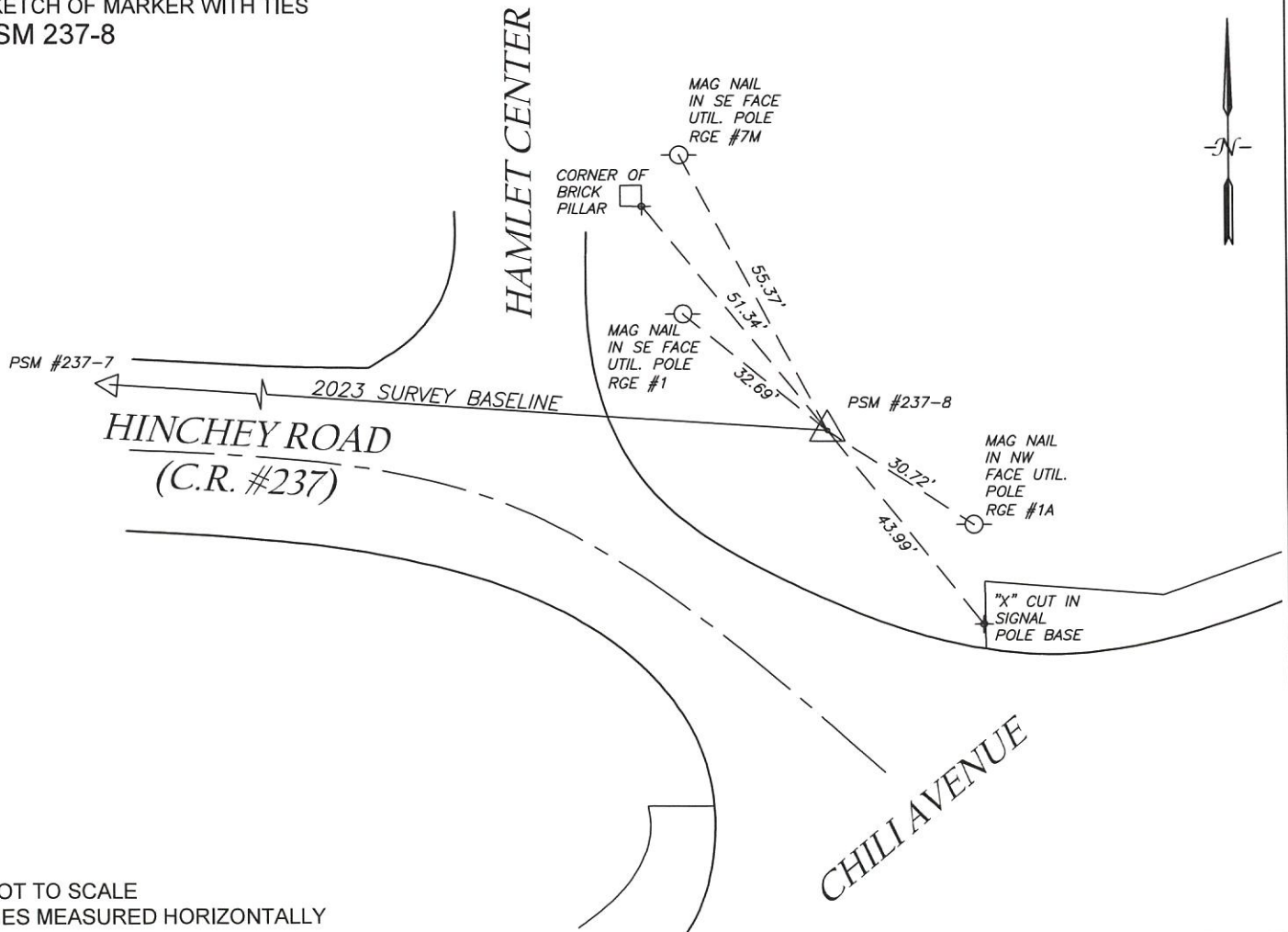
Signed: Jonathan P. Navagh Date: 2-07-24  
 Jonathan P. Navagh  
 New York State Licensed Land Surveyor #051221

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>1144898.313</u>	DISTANCE & DIRECTION TO PRECEDING & SUCCEEDING PSM		
GRID EASTING (X): <u>1391584.812</u>	PSM NUMBER	DISTANCE	GRID BEARING
COMBINED FACTOR: <u>0.99998373</u>	237-7	792.02	N 86° 17' 47" W
VERTICAL DATUM: <u>NAVD 88 (GEOID 18)</u>			
ORTHOMETRIC HEIGHT: <u>551.903</u>			

PERMANENT SURVEY MARKER 237-8 IS A BERNTSEN HIGH SECURITY MONUMENT SET ON THE NORTHEASTERLY SIDE OF HINCHEY ROAD, LOCATED APPROXIMATELY 60 FEET NORTHWESTERLY FROM THE INTERSECTION OF CHILI AVENUE WITH HINCHEY ROAD.

**SKETCH OF MARKER WITH TIES  
 PSM 237-8**



NOT TO SCALE  
 TIES MEASURED HORIZONTALLY