

FINAL APPROVAL & ADOPTION

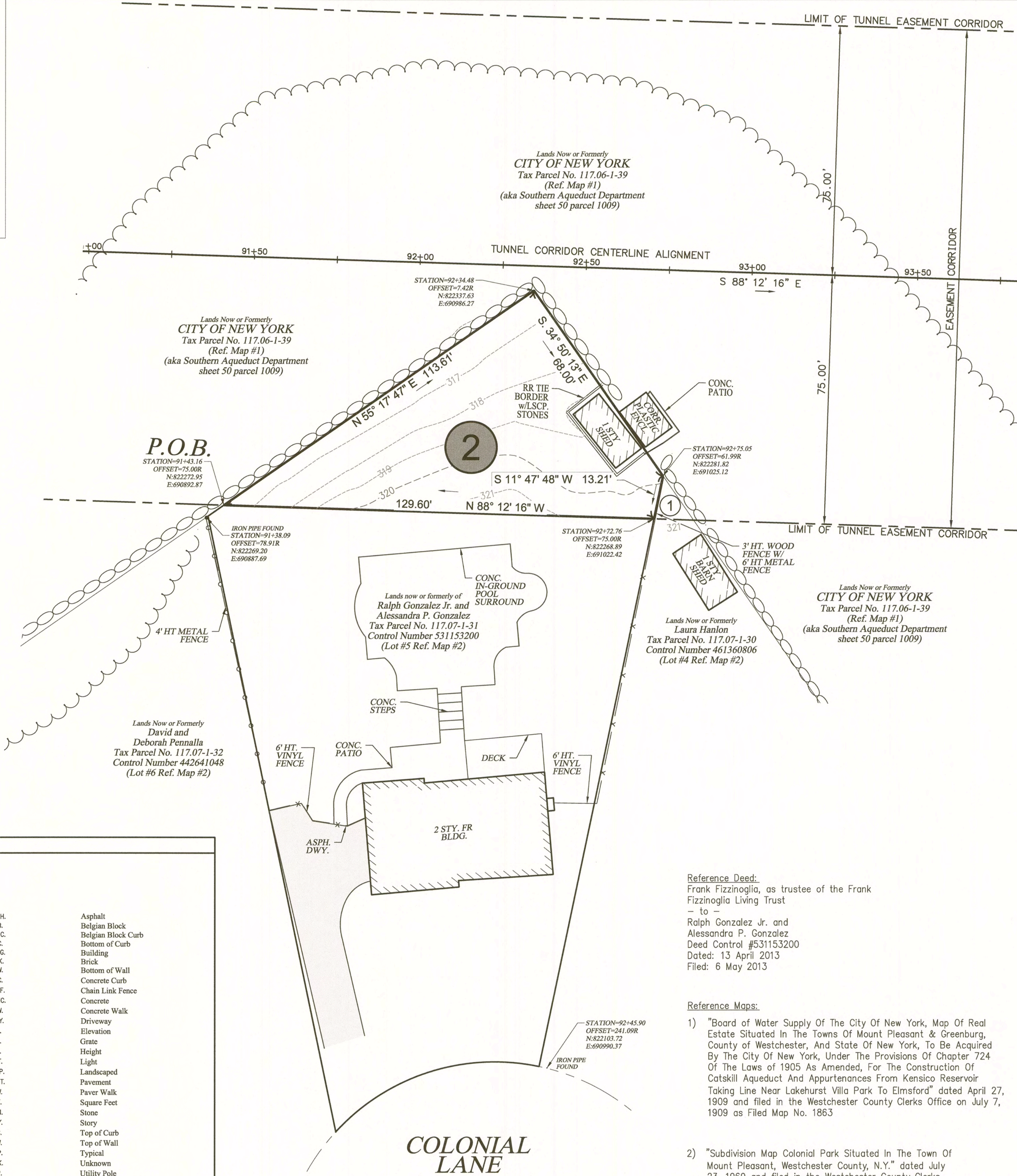
We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.

Dated: 3/21/24

Morgan
Deputy Mayor
City of New York

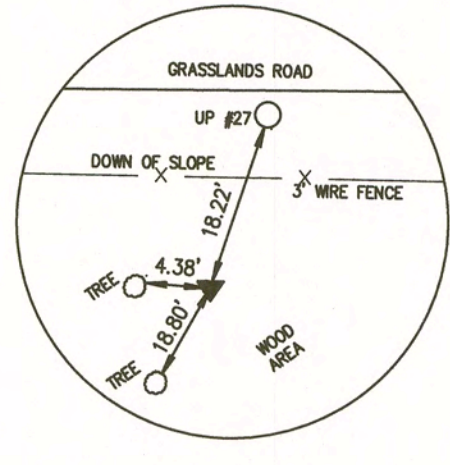
Dated: 2/28/24

Kathryn Miller
Deputy Chief Operating Officer, New York City
Department of Environmental Protection

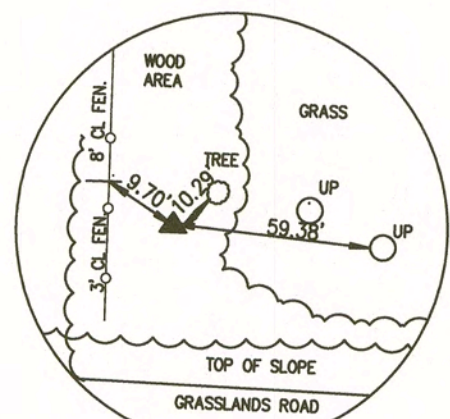


The meridian distances and coordinate values shown hereon, refer to the New York State Coordinate System, East Zone (NAD-83/2011-12B) expressed in feet, except where noted. The distances shown on this particular survey have been scaled by a factor of 0.99995270743. To obtain level ground distances, divide the distance shown by the above mentioned scale factor.

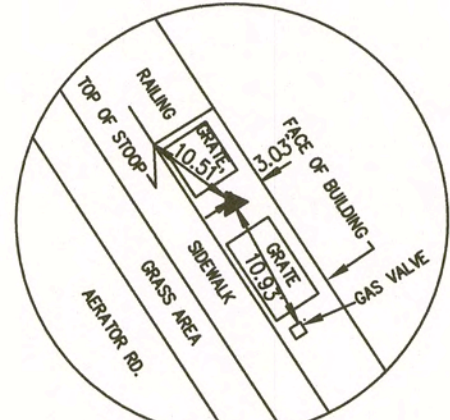
The reference stations in the C.O.R.S. network used for control are as follows:
DAREN 40°03'57.06986\"N, 73°30'25.94225\"W
NANT 40°47'47.35036\"N, 74°28'59.33846\"W
CENTRAL ISLP 40°45'38.23697\"N, 73°11'51.78739\"W
VALHALLA 41°04'56.22107\"N, 73°49'04.12572\"W



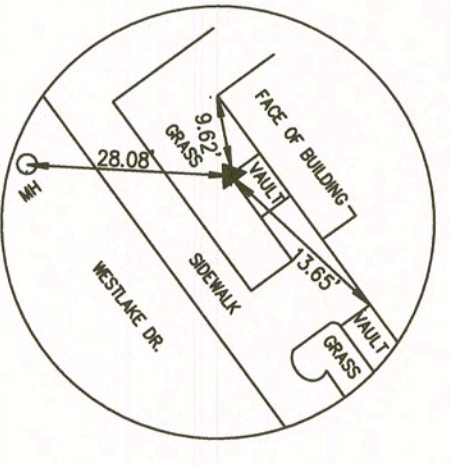
MON. E21
N: 817417.015
E: 683206.600
Z: 360.167



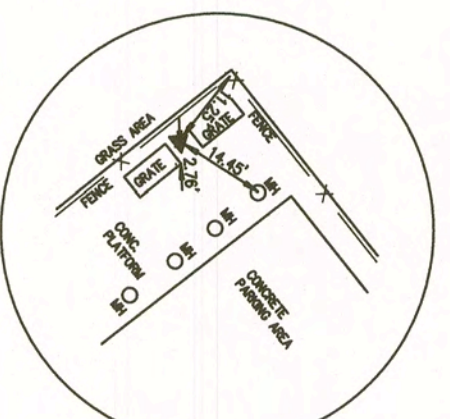
MON. E22
N: 817602.766
E: 683227.406
Z: 363.966



MON. K6
N: 822094.883
E: 692122.838
Z: 364.984



MON. K1
N: 821720.229
E: 692099.642
Z: 363.075



MON. K2
N: 821214.499
E: 691812.296
Z: 364.774

Reference Deed:
Frank Fizzinoglia, as trustee of the Frank Fizzinoglia Living Trust
To
Ralph Gonzalez Jr. and
Alessandra P. Gonzalez
Deed Control #531153200
Dated: 13 April 2013
Filed: 6 May 2013

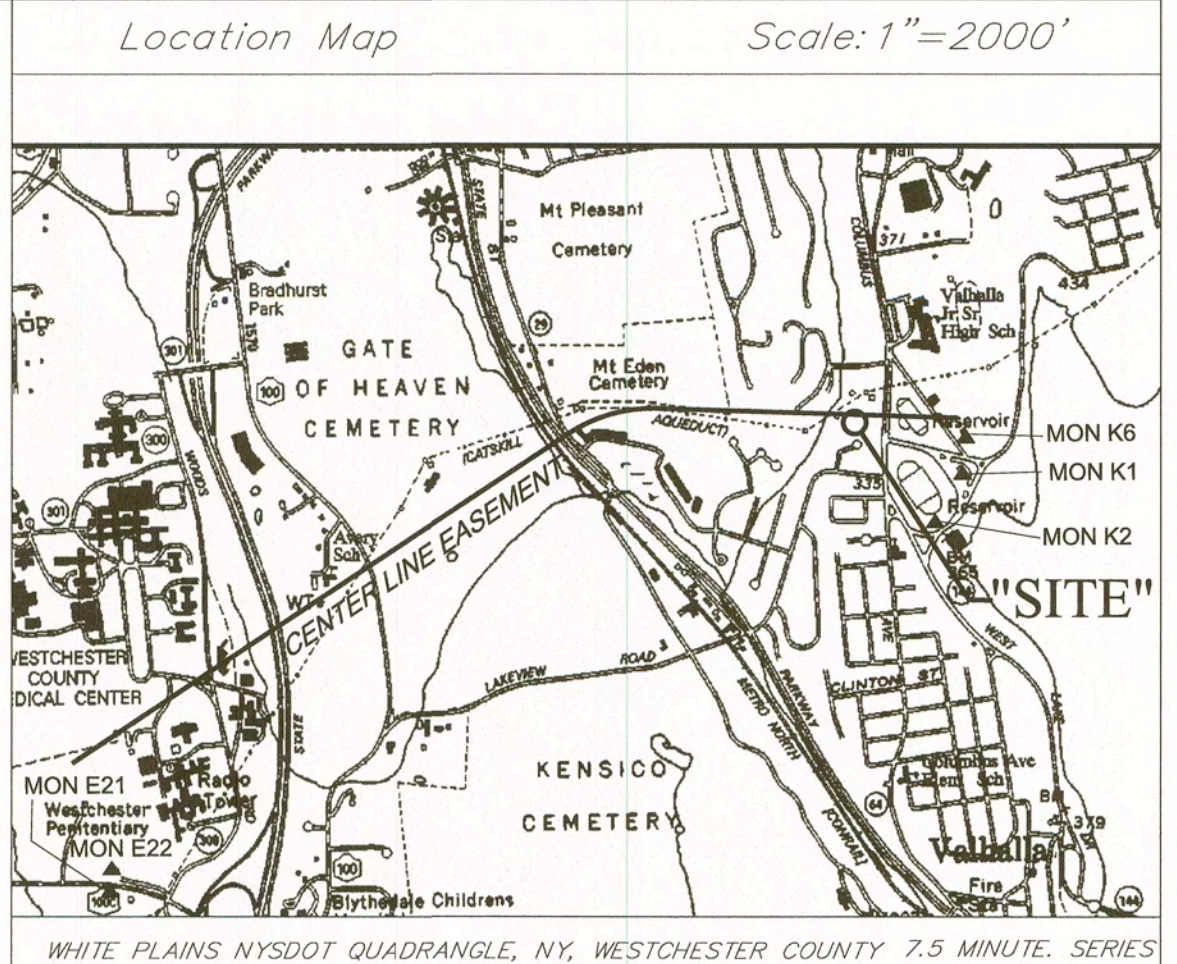
Reference Maps:
1) "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburg, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 1863
2) "Subdivision Map Colonial Park Situated In The Town Of Mount Pleasant, Westchester County, N.Y." dated July 23, 1969 and filed in the Westchester County Clerks Office on December 24, 1969 as Filed Map No. 16948

County Block Index Map
Sheet Number: 99
Block Number: 8002

Certification:
I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

To:
1. Ralph Gonzalez, Jr. and Alessandra P. Gonzalez
2. City of New York

R. Stephen Moncrief 1/29/2024
Ronald Stephen Moncrief, Jr.
N.Y.S. License No. 049819

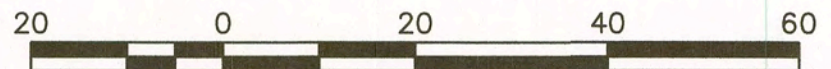


- NOTES:**
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 - This map may be affected by instruments which have not been made known to these surveyors. Users of this map should verify title with competent title examiners.
 - The location of underground improvements or encroachments are not always known and often must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.
 - Only copies from the original of this survey marked with an original of the Land Surveyor's inked seal shall be considered valid true copies.
 - Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared and on his behalf the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.
 - Subject to any and all utility easements of record if any.
 - The Horizontal datum is NY East State Plane Coordinate system NAD83 (2011) based on simultaneous static GPS observations by Matrix New World on 08-23/24-2022. GNSS baselines were tied into continuously operating reference stations (cors) network, (CTDA,NAMT,NYCN,NYVH) and connected to national geodetic survey monuments NYVHRM1 & NYVHRM2.
 - The Vertical datum is referenced to NAVD 88 as determined by simultaneous GPS static observations on two separate days and confirmed with tie to NGS monuments by Matrix New World.
 - The easement provides the City of New York with the exclusive right to construct, reconstruct, repair, operate, inspect, monitor, protect and maintain a subsurface water tunnel facility and appurtenances in, over, through, under, and across the easement area. The crown of the tunnel shall be constructed at least 100 feet below current ground surface.
 - The City of New York shall have the right to survey, monument, demarcate, and confirm the bounds of the easement and the centerline of the tunnel and the right to inspect that portion of the property that is subject to the easement to ensure compliance with the terms of the easement.
 - The landowner reserves the right to use the land within the easement area from the current ground surface level, as depicted herein, down to a maximum depth of 50 feet below current ground surface for any lawful activities except for well-drilling or well-improvement activities of any kind, provided and only to the extent that a) such activities do not interfere with the operation and maintenance of the tunnel or jeopardize the integrity of the tunnel, and b) landowner provides written notice to the City of New York no less than two weeks before engaging in any activity in the easement area below the depth of 25 feet below current ground surface.
 - Users of this map should consult the recorded easement deed.

CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY SURVEY MAP IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT FROM RALPH GONZALEZ JR. AND ALESSANDRA P. GONZALEZ

PARCEL 2
TO BE ACQUIRED BY CITY OF NEW YORK
FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
CONNECTION TUNNEL AND APPURTENANCES
SITUATE IN
TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
BEING A PORTION OF TAX MAP ID# 117.07-1-31

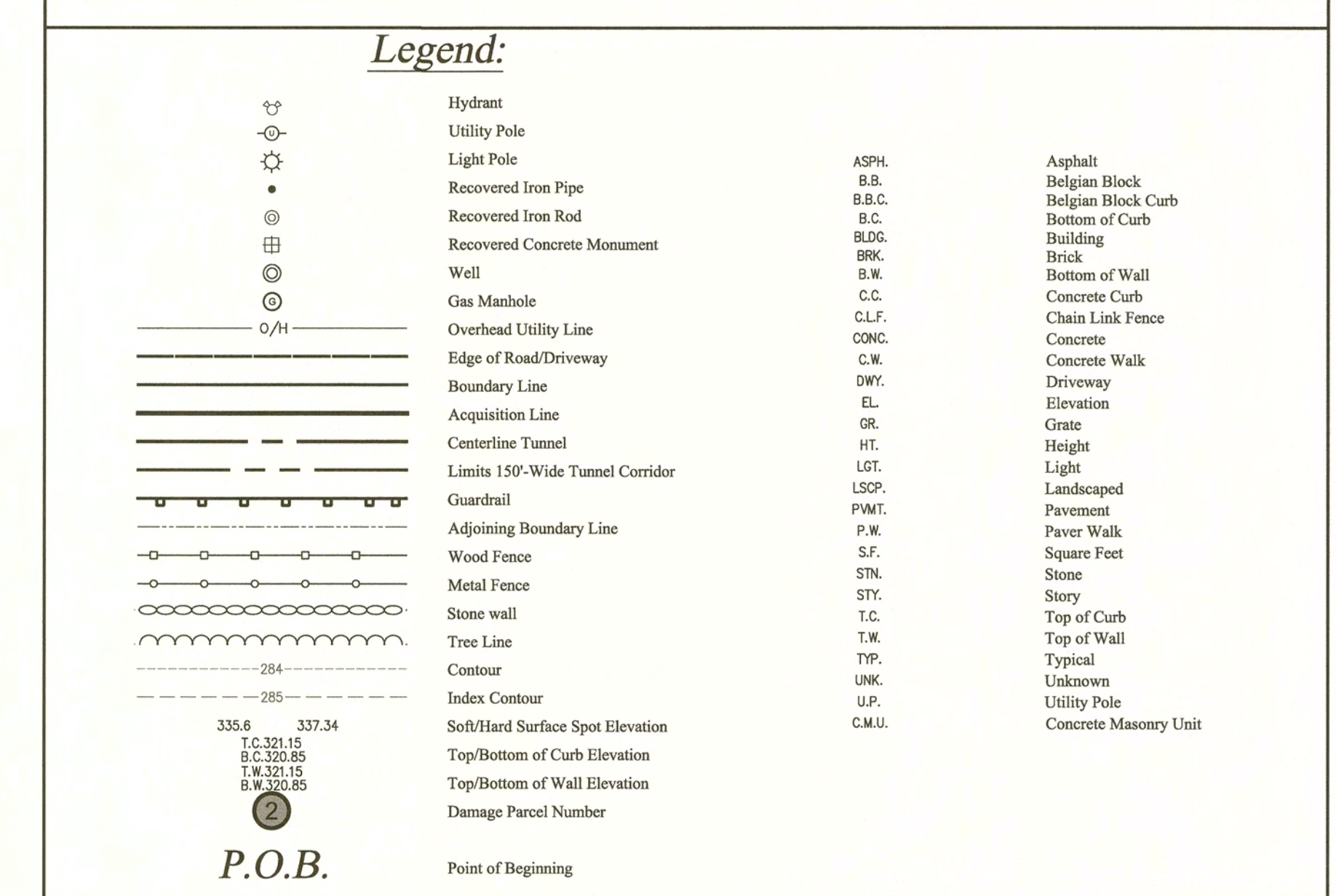
JULY 18, 2023



LAND ACQUISITION ID #9641

SCALE: 1" = 20'

SHEET 1 OF 1



NYC Environmental Protection

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018
Tel: 973-240-1800
www.mnwe.com

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

Revision date:			Type		By
07/01/2023			Map edits for C.O.F.A. per NYCDEP		A.B.
Sect. No.	Block No.	Lot No.	Owner	Tax Map Acres	Easement Acres
117.07	1	31	Ralph Jr. and Alessandra P. Gonzalez	0.498	(GRID) 0.108 (H.G.L.) 0.108

FINAL APPROVAL & ADOPTION

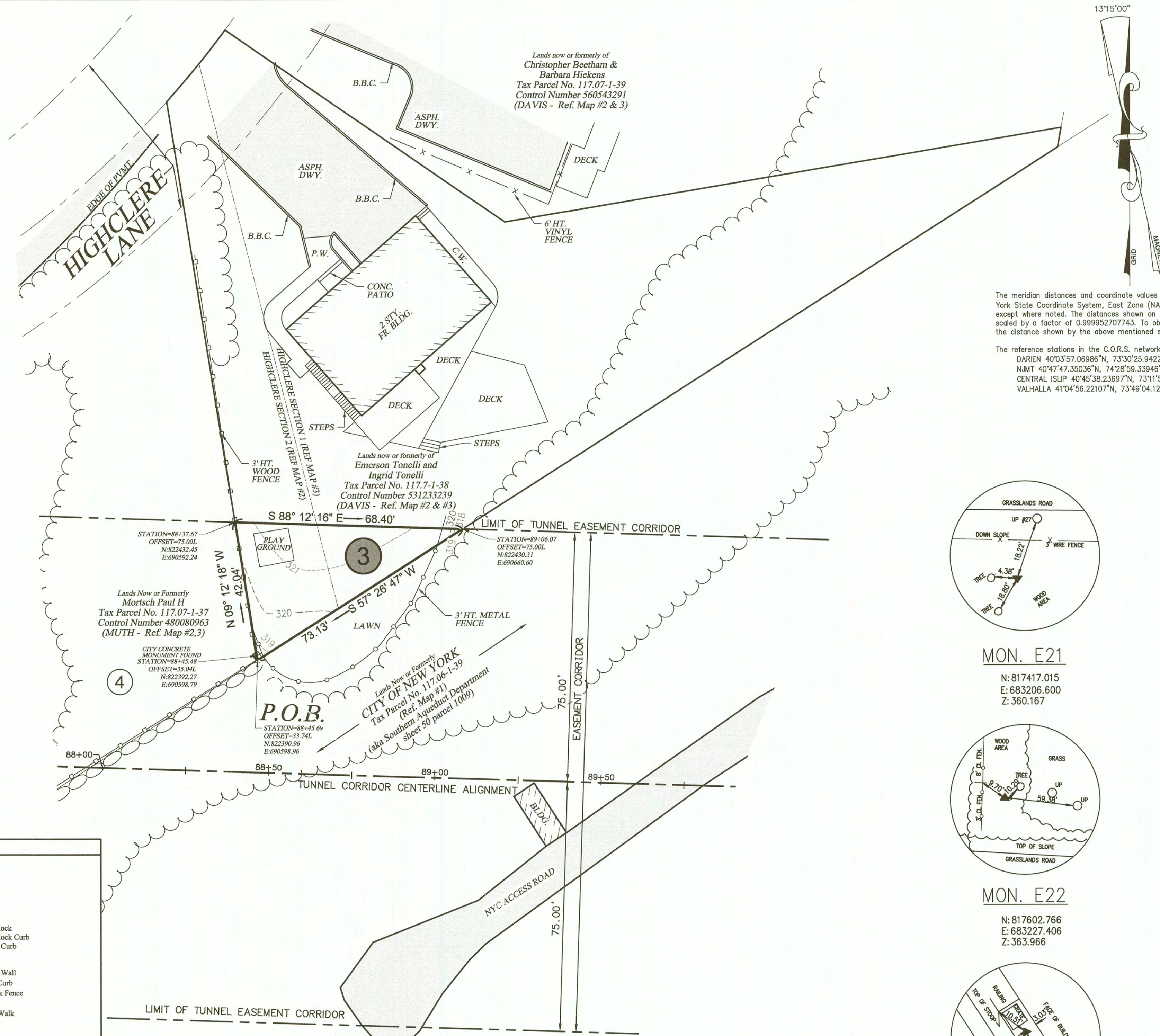
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Dated: 3/27/24

[Signature]
Deputy Mayor
City of New York

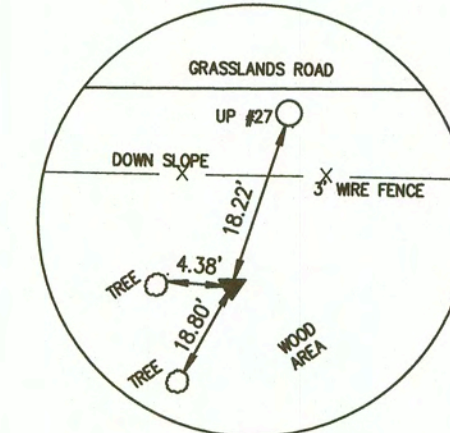
Dated: 2/28/24

[Signature]
Deputy Chief Operating Officer, New York City
Department of Environmental Protection

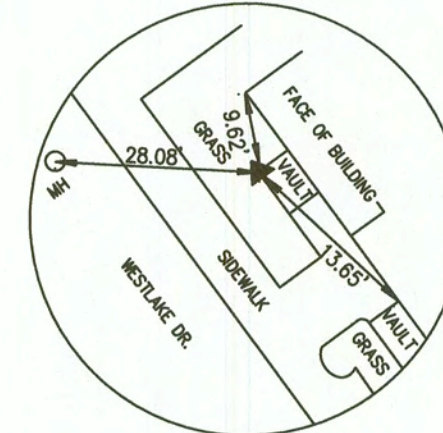


The meridian distances and coordinate values shown hereon, refer to the New York State Coordinate System, East Zone (NAD-83/2011-12B) expressed in feet, except where noted. The distances shown on this particular survey have been scaled by a factor of 0.999952707743. To obtain level ground distances, divide the distance shown by the above mentioned scale factor.

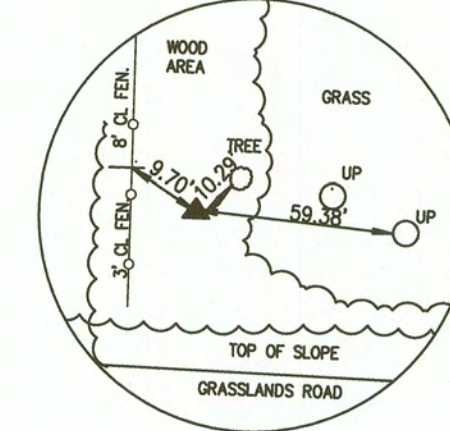
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CENTRAL ISLP 40°45'38.23697\"N, 73°11'51.78739\"W
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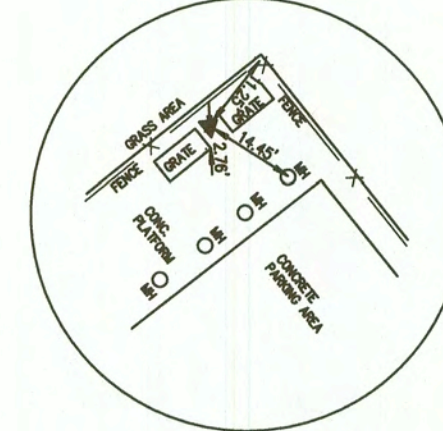
MON. E21
N: 817417.015
E: 683206.600
Z: 360.167



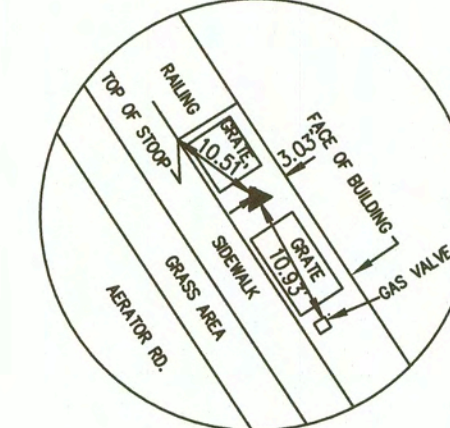
MON. K1
N: 821720.229
E: 692099.642
Z: 363.075



MON. E22
N: 817602.766
E: 683227.406
Z: 363.966



MON. K2
N: 821214.499
E: 691812.296
Z: 364.774



MON. K6
N: 822094.883
E: 692122.838
Z: 364.984

Legend:

	Hydrant	ASPH.	Asphalt
	Utility Pole	B.B.	Belgian Block
	Light Pole	B.B.C.	Belgian Block Curb
	Recovered Iron Pipe	B.C.	Bottom of Curb
	Recovered Iron Rod	BLDG.	Building
	Recovered Concrete Monument	BRK.	Brick
	Well	B.W.	Bottom of Wall
	Gas Manhole	C.C.	Concrete Curb
	Overhead Utility Line	C.L.F.	Chain Link Fence
	Edge of Road/Driveway	CONC.	Concrete
	Boundary Line	C.W.	Concrete Walk
	Acquisition Line	D.W.Y.	Driveway
	Centerline Tunnel	EL.	Elevation
	Limits 150'-Wide Tunnel Corridor	GR.	Grate
	Guardrail	HT.	Height
	Adjoining Boundary Line	LG.	Light
	Wood Fence	LSCP.	Landscape
	Metal Fence	P.W.T.	Pavement
	Tree Line	P.W.	Paver Walk
	Contour	S.F.	Square Feet
	Index Contour	SN.	Stone
	Soft/Hard Surface Spot Elevation	STY.	Story
	Top/Bottom of Curb Elevation	T.C.	Top of Curb
	Top/Bottom of Wall Elevation	T.W.	Top of Wall
	Damage Parcel Number	TYP.	Typical
		UNK.	Unknown
		U.P.	Utility Pole
		C.M.U.	Concrete Masonry Unit
	Point of Beginning		

Reference Maps:

- "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburg, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 1863
- "Section 2 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated September 10, 1931, and filed in the Westchester County Clerks Office on March 22, 1932 as Filed Map No. 3861.
- "Section 1 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated June 17, 1931, and filed in the Westchester County Clerks Office on July 31, 1931 as Filed Map No. 3799.

Reference Deed:

Suzanne C. Frank
- to -
Emerson Tonelli and Ingrid Tonelli
Deed Control #531233239
Dated: 6 May 2013
Filed: 31 May 2013

County Block Index Map

Sheet Number: 92
Block Number: 8011

Certification:

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

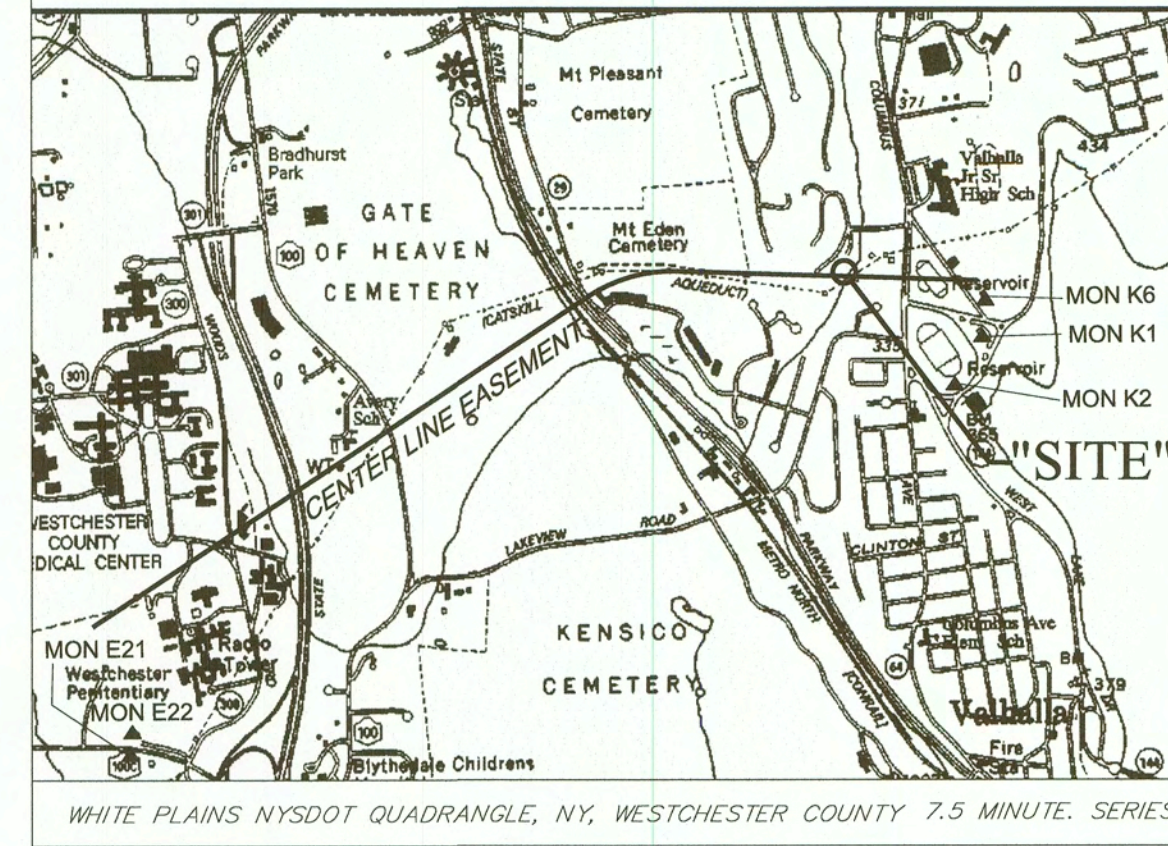
To:

- Emerson Tonelli and Ingrid Tonelli
- City of New York

Ronald Stephen Moncrief, Jr.
N.Y.S. License No. 049819

Location Map

Scale: 1"=2000'



NOTES:

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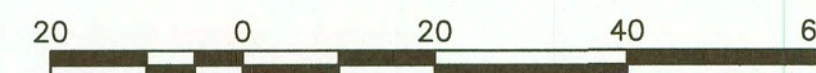
CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY

SURVEY MAP IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT FROM EMERSON TONELLI AND INGRID TONELLI

PARCEL 3
TO BE ACQUIRED BY CITY OF NEW YORK
FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
CONNECTION TUNNEL AND APPURTENANCES
SITUATE IN

TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
BEING A PORTION OF TAX MAP ID# 117.07-1-38

JULY 18, 2023



LAND ACQUISITION ID #9505

SCALE: 1" = 20'

SHEET 1 OF 1



MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018

Tel: 973-240-1800
www.mnwe.com

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

Revision date:			Type		By
07/01/2023			Map edits for C.O.F.A. per NYCEP		A.B.
Sect. No.	Block No.	Lot No.	Owner	Tax Map Acres	Easement Acres
117.07	1	38	Emerson Tonelli and Ingrid Tonelli	0.460	(GRID) 0.032 (H.G.L.) 0.032

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M. J. G. J.
Deputy Mayor
City of New York

Dated: 2/28/24

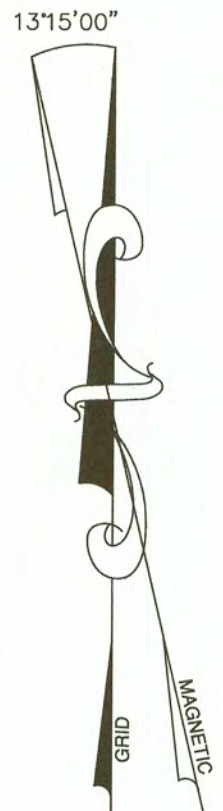
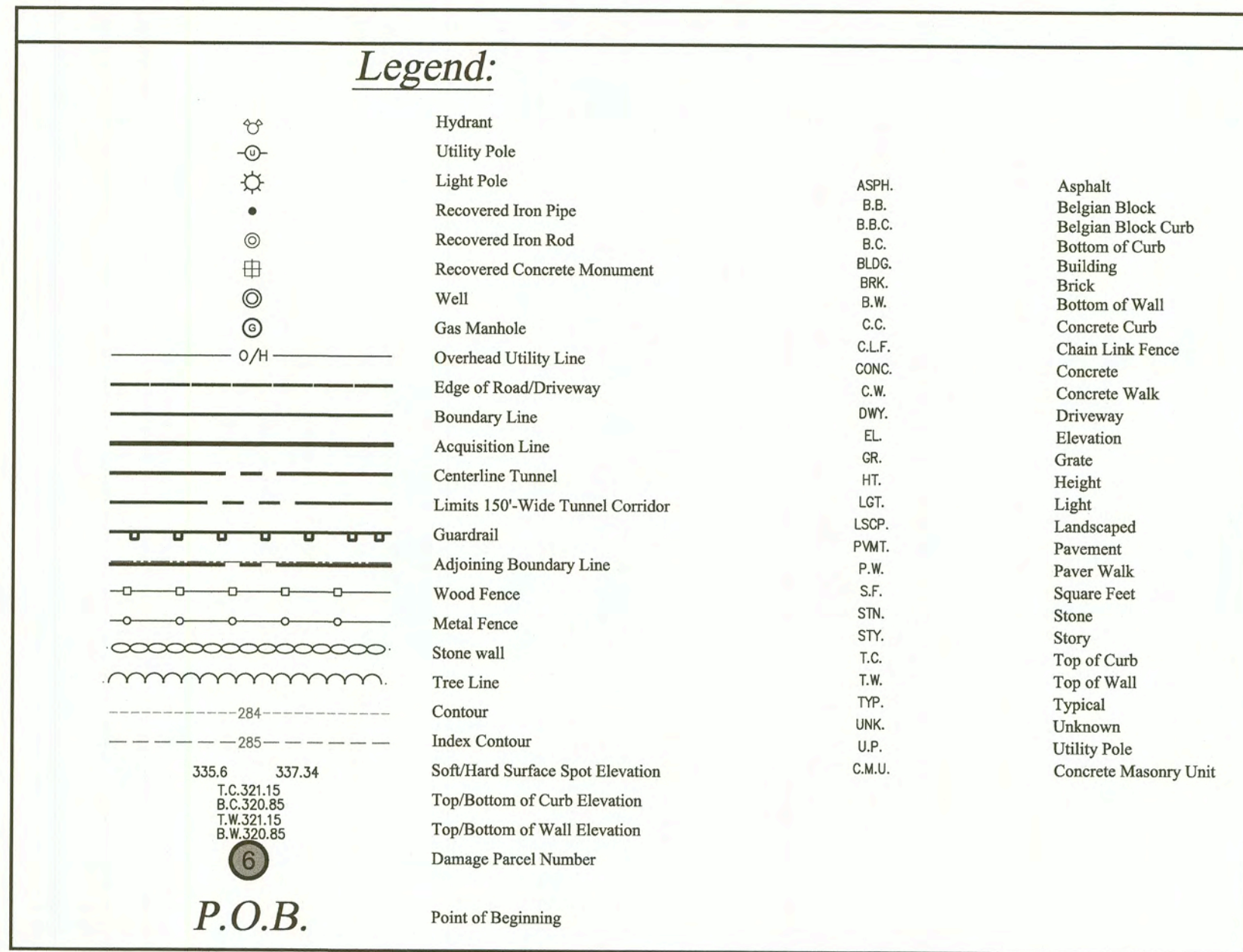
Kathy M. M.
Deputy Chief Operating Officer, New York City
Department of Environmental Protection

PRE-EXISTING MONUMENTATION TABLE

MONUMENT	STATION	OFFSET	NORTHING	EASTING
CONCRETE MONUMENT "1"	86+13.70	124.81' R	822239.76	690362.12
CITY CONCRETE MONUMENT "2"	84+19.46	100.56' R	822270.08	690168.74
CONCRETE MONUMENT "3"	84+20.02	20.45' L	822391.01	690173.08
NAIL FOUND "4"	85+76.40	11.05' L	822376.71	690329.09

PARCEL "6" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	86+01.68	9.89' L	822374.77	690354.33
"Aa"	86+02.73	0.00'	822364.85	690355.06
"B"	85+99.97	75.00' R	822289.97	690349.96
"C"	84+19.30	75.00' R	822295.63	690169.38
"Cc"	84+19.64	0.00'	822370.59	690172.06
"D"	84+19.73	20.48' L	822391.05	690172.80



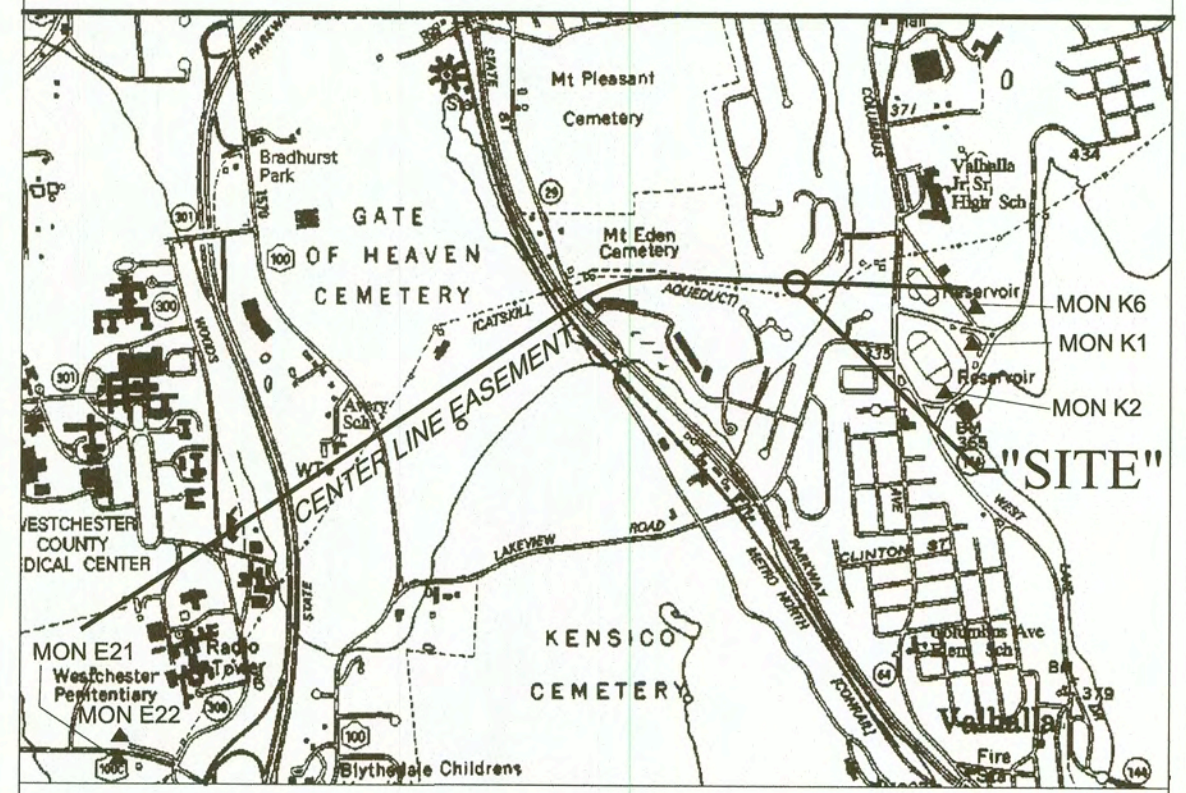
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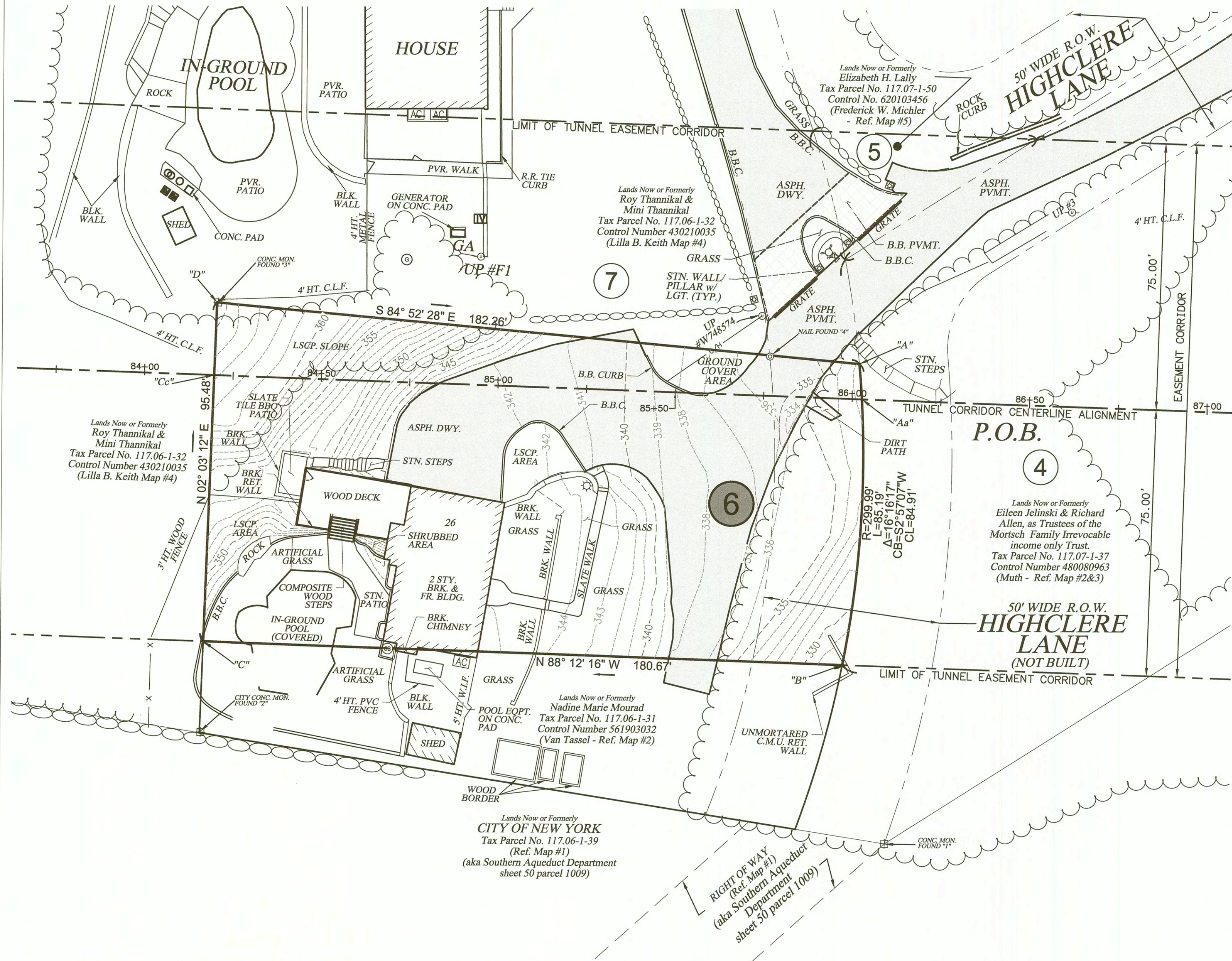
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WHITE PLAINS NYSDOT QUADRANGLE, NY, WESTCHESTER COUNTY 7.5 MINUTE, SERIES

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- "Section 2 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated September 10, 1931, and filed in the Westchester County Clerks Office on March 22, 1932 as Filed Map No. 3861.
- "Section 4 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated March 9, 1932, and filed in the Westchester County Clerks Office on March 22, 1932 as Filed Map No. 3862.

Reference Deed:

Virginia M. Malara and Linda M. O'leary as Trustees of The Mary Alice Jannace Family Trust - to - Nadine Marie Mourad Deed Control Number 561903032 Dated: 8 July 2016 Filed: 12 July 2016

County Block Index Map

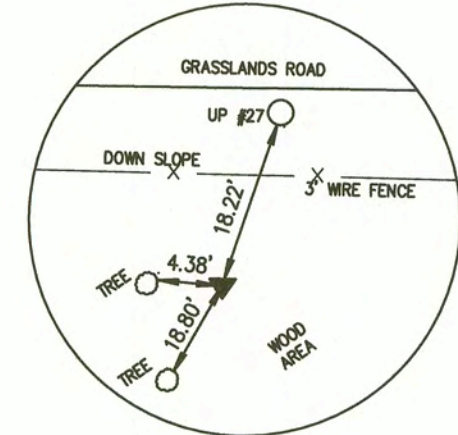
Sheet Number: 99
Block Number: 8009

Certification:

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

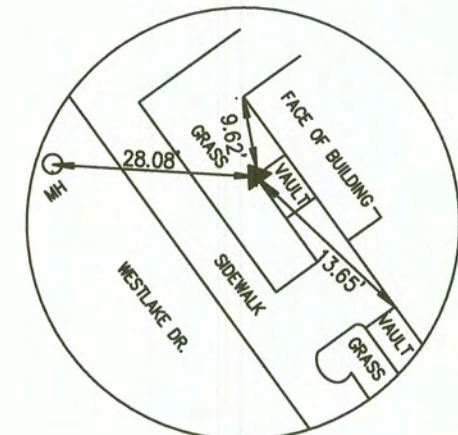
- To:
- Nadine Marie Mourad
 - City of New York

R. Stephen Moncrief, Jr.
N.Y.S. License No. 049819



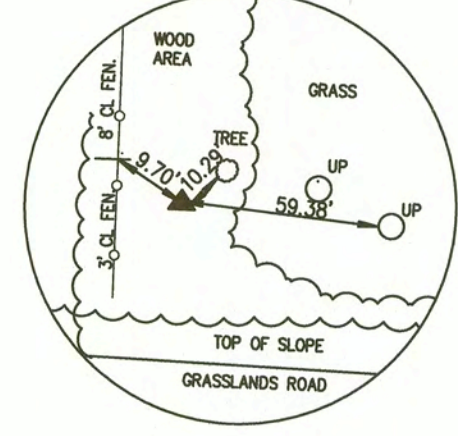
MON. E21

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E: 692306.600
Z: 360.167



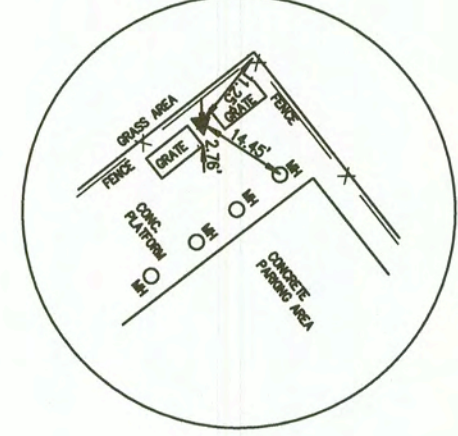
MON. K1

N: 821720.229
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Z: 363.075



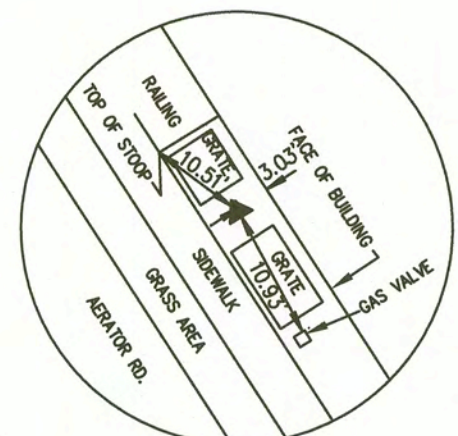
MON. E22

N: 817602.766
E: 683227.406
Z: 363.966



MON. K2

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E: 691812.296
Z: 364.774



MON. K6

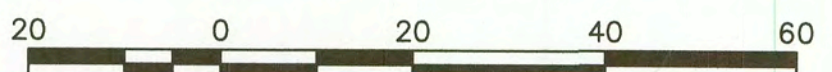
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E: 692122.838
Z: 364.984

CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY SURVEY MAP IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT FROM Nadine Marie Mourad

PARCEL 6
TO BE ACQUIRED BY CITY OF NEW YORK
FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
CONNECTION TUNNEL AND APPURTENANCES

SITUATE IN
TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
BEING A PORTION OF TAX MAP ID# 117.06-1-31

JULY 18, 2023



LAND ACQUISITION ID #9508

SCALE: 1" = 20'

SHEET 1 OF 1



Environmental
Protection

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018

Tel: 973-240-1800

www.mnwe.com

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

Revision date:				Type	By
07/01/2023				Map edits for C.O.F.A. per NYCDEP	A.B.
Sect. No.	Block No.	Lot No.	Owner	Tax Map Acres	Easement Acres
117.06	1	31	Nadine Marie Mourad	0.527	(GRID) 0.379 (H.G.L.) 0.379

FINAL APPROVAL & ADOPTION

We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.

Dated: 3/27/24

Deputy Mayor
City of New York

Dated: 2/28/24

Deputy Chief Operating Officer, New York City
Department of Environmental ProtectionLands Now or Formerly
Allison K. Simmons & Paul
A. Simmons
Tax Parcel No. 117.06-1-33
Control Number 56193351Lands Now or Formerly
Joan Calotti
Tax Parcel No. 117.06-1-30
Deed L-11575 P-223Lands Now or Formerly
Eric R. Warner
Tax Parcel No. 117.07-1-51
Control Number 452290350

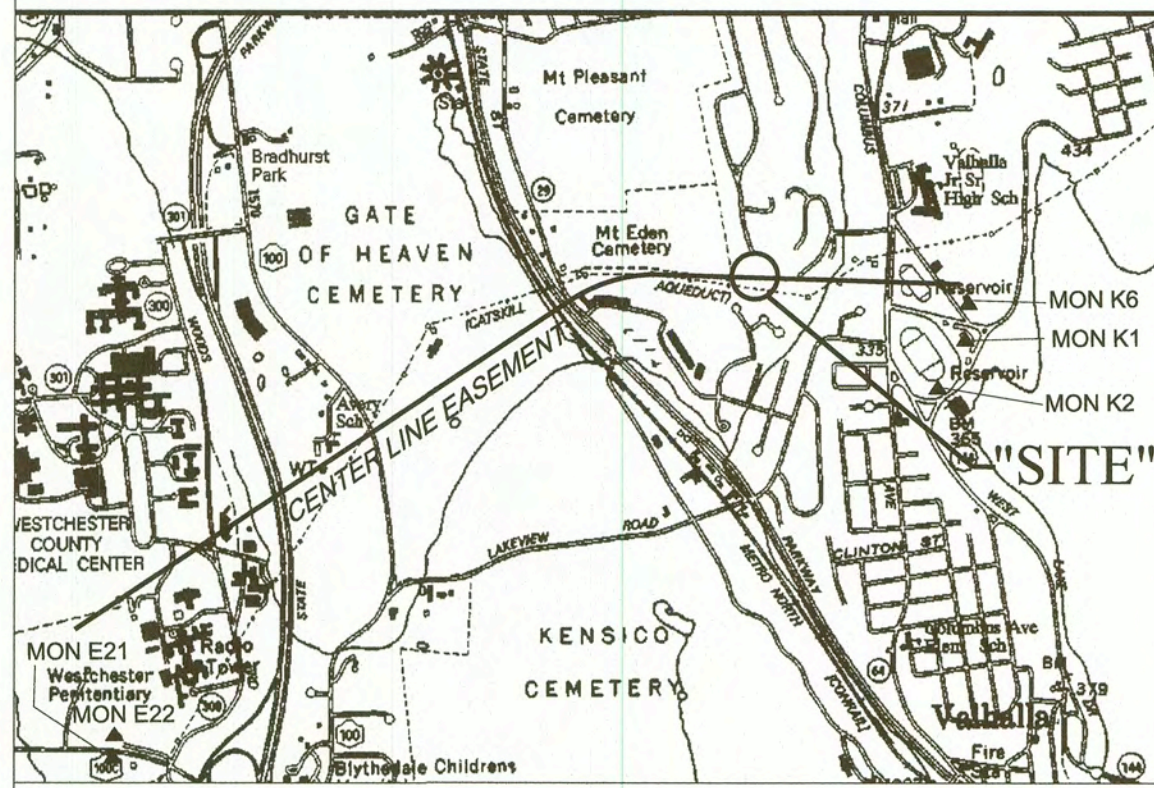
PRE-EXISTING MONUMENTATION TABLE

MONUMENT	STATION	OFFSET	NORTHING	EASTING
NAIL FOUND "1"	85+76.40	11.05' L	822376.71	690329.09
CONCRETE MONUMENT "2"	84+20.02	20.45' L	822391.01	690173.08
CONCRETE MONUMENT "3"	84+19.19	100.75' R	822270.08	690168.74
REBAR FOUND "4"	79+11.20	69.74' L	822456.23	689666.06

13'15"00"

Location Map

Scale: 1"=2000'



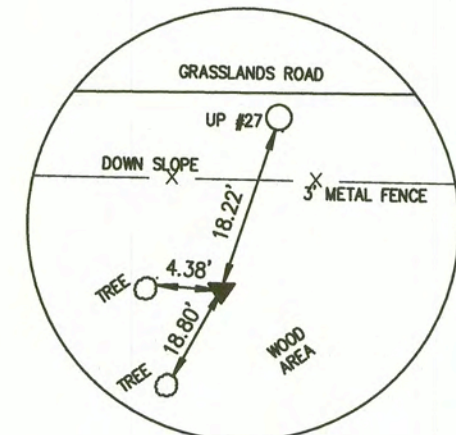
WHITE PLAINS NYSDOT QUADRANGLE, NY, WESTCHESTER COUNTY 7.5 MINUTE. SERIES

The meridian distances and coordinate values shown hereon, refer to the New York State Coordinate System, East Zone (NAD-83/2011-126) expressed in feet, except where noted. The distances shown on this particular survey have been scaled by a factor of 0.999952707743. To obtain level ground distances, divide the distance shown by the above mentioned scale factor.

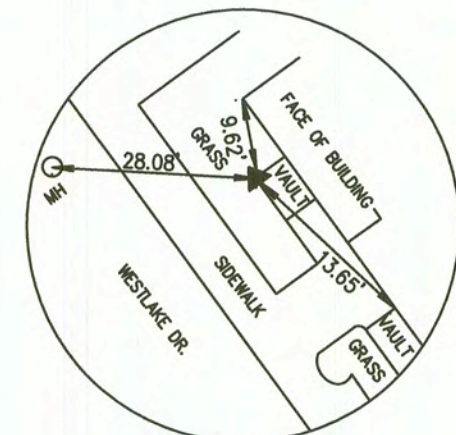
The reference stations in the C.O.R.S. network used for control are as follows:
DAREN 40°03'57.06886"N, 73°30'25.94225"W
NJMT 40°47'47.35036"N, 74°28'59.33946"W
CENTRAL 15JP 40°45'36.23697"N, 73°11'51.78739"W
VALHALLA 41°04'56.22107"N, 73°49'04.12572"W

NOTES:

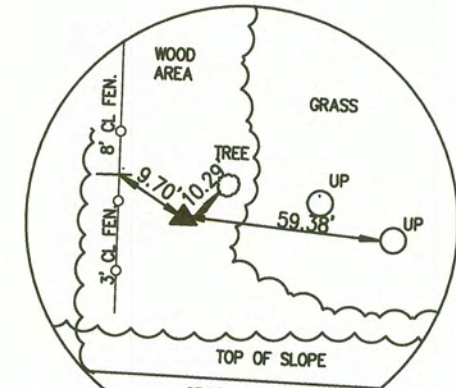
- Any unauthorized alteration or addition to a survey map bearing the signature and seal of a licensed land surveyor is a violation of Sec. 7209-A, Subdivision 2, of the New York State Education Law.
- This map may be affected by instruments which have not been made known to these surveyors. Users of this map should verify title with competent title examiners.
- The location of underground improvements or encroachments are not always known and efforts must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.
- Only copies from the original of this survey marked with an original of the Land Surveyor's inked seal shall be considered valid true copies.
- Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared and on his behalf the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.
- Subject to any and all utility easements of record if any.
- The Horizontal datum is NY East State Plane Coordinate system NAD83 (2011) based on simultaneous static GPS observations by Matrix New World on 08-23/24-2022. GNSS baselines were tied into continuously operating reference stations (cors) network, (CTDA,NJMT,NYCI,NYVH) and connected to national geodetic survey monuments NYVHRM1 & NYVHRM2.
- The Vertical datum is referenced to NAVD 88 as determined by simultaneous GPS static observations on two separate days and confirmed with tie to NGS monuments by Matrix New World.
- The easement provides the City of New York with the exclusive right to construct, reconstruct, repair, operate, inspect, monitor, protect and maintain a subsurface water tunnel facility and appurtenances in, over, through, under, and across the easement area. The crown of the tunnel shall be constructed at least 100 feet below current ground surfaces. The City of New York shall have the right to survey, monument, demarcate, and confirm the bounds of the easement and the centerline of the tunnel and the right to inspect that portion of the property that is subject to the easement to ensure compliance with the terms of the easement. Landowner reserves the right to use the land within the easement area from the current ground surface level, as depicted herein, down to a maximum depth of 50 feet below current ground surface for any lawful activities except for well-drilling or well-improvement activities of any kind, provided and only to the extent that a) such activities do not interfere with the operation and maintenance of the tunnel or jeopardize the integrity of the tunnel, and b) landowner provides written notice to the City of New York no less than two weeks before engaging in any activity in the easement area below the depth of 25 feet below current ground surface. Users of this map should consult the recorded easement deed.



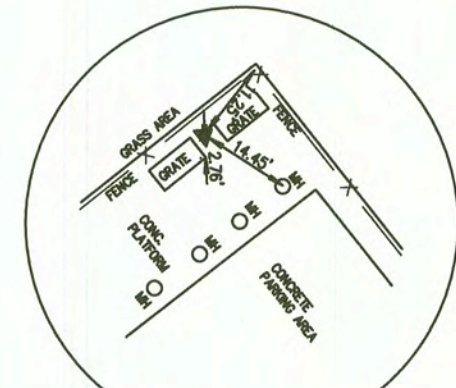
MON. E21

N: 817417.015
E: 683206.600
Z: 360.167

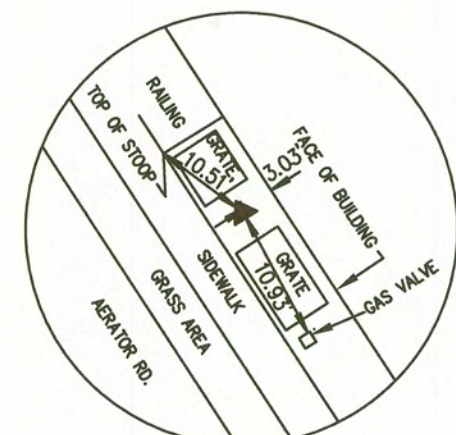
MON. K1

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E: 692099.642
Z: 363.075

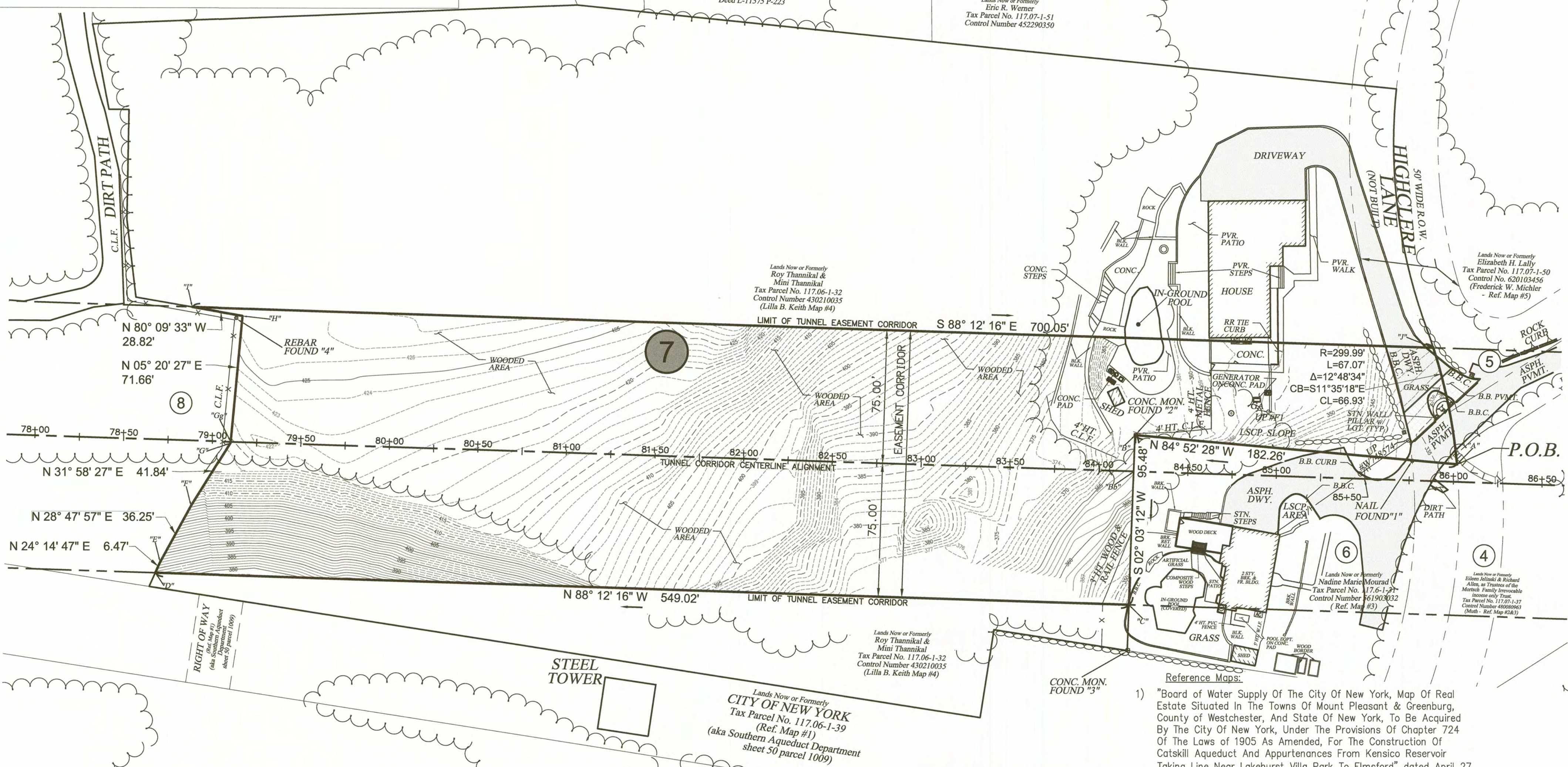
MON. E22

N: 817602.766
E: 683227.406
Z: 363.966

MON. K2

N: 821214.499
E: 691812.296
Z: 364.774

MON. K6

N: 822094.883
E: 692122.838
Z: 364.984

PARCEL "7" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	86+01.68	9.89' L	822374.77	690354.33
"B"	84+19.73	20.48' L	822391.05	690172.80
"Bb"	84+19.64	0.00' R	822370.59	690172.06
"C"	84+19.30	75.00' R	822295.63	690169.38
"D"	78+70.28	75.00' R	822312.83	689620.63
"E"	78+72.75	69.02' R	822318.74	689623.28
"F"	78+89.21	36.72' R	822350.50	689640.75
"G"	79+10.24	0.55' R	822385.99	689662.90
"Gb"	79+10.28	0.00' R	822386.54	689662.95
"H"	79+14.68	70.97' L	822457.34	689669.57
"I"	78+86.14	75.00' L	822462.26	689641.18
"J"	85+86.19	75.00' L	822440.33	690340.88

Legend:

	Hydrant		Asphalt
	Utility Pole		Belgian Block
	Light Pole		Bottom of Curb
	Recovered Iron Pipe		Building
	Recovered Iron Rod		Brick
	Recovered Concrete Monument		Bottom of Wall
	Well		Bottom of Curb
	Gas Manhole		Chain Link Fence
	Overhead Utility Line		Concrete
	Edge of Road/Driveway		Concrete Walk
	Boundary Line		Driveway
	Acquisition Line		Elevation
	Centerline Tunnel		Grate
	Limits 150'-Wide Tunnel Corridor		Height
	Guardrail		Light
	Adjoining Boundary Line		Landscaped
	Wood Fence		Paver Walk
	Metal Fence		Square Feet
	Stone wall		Stone
	Tree Line		Story
	Contour		Top of Curb
	Index Contour		Top of Wall
	Soft/Hard Surface Spot Elevation		Typical
	Top/Bottom of Curb Elevation		Unknown
	Top/Bottom of Wall Elevation		Utility Pole
	Damage Parcel Number		Concrete Masonry Unit

P.O.B.

Point of Beginning

- 1) "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburg, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws Of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 1863

- 2) "Section 3 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated February 18, 1932, and filed in the Westchester County Clerks Office on February 23, 1932 as Filed Map No. 3855.

- 3) "Section 2 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated September 10, 1931, and filed in the Westchester County Clerks Office on March 22, 1932 as Filed Map No. 3861.

- 4) "Section 4 Highclere prepared for Galloway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester County, N.Y." Dated March 9, 1932, and filed in the Westchester County Clerks Office on March 22, 1932 as Filed Map No. 3862.

- 5) "Survey of property of Oliver A. Cook, Town of Mount Pleasant, Westchester County, N.Y." surveyed-May 19th 1924 by J. Henry Carpenter & Co. Dated May 19th 1924, and filed in the Westchester County Clerks Office on February 1st, 1926 as Filed Map No. 2954.

Reference Dead:
Joseph O'Connell as executor of Francis O'Connell

— to —
Roy Thannikal and Mini Thannikal
Deed Control Number 430210035
Dated: 25 November 2002
Filed: 31 January 2003

County Block Index Map

Sheet Number: 99
Block Number: 8009

Certification:

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

- To:
1. Roy Thannikal and Mini Thannikal
2. City of New York

R. Stephen Moncrief, Jr.
Ronald Stephen Moncrief, Jr.
N.Y.S. License No. 049819

NYC
Environmental
Protection

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018
Tel: 973-240-1800
www.mnwe.com

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

Revision date:		Type			By
07/01/2023		Map edits for C.O.F.A. per NYCDEP			A.B.
Sect. No.	Block No.	Lot No.	Owner	Tax Map Acres	Easement Acres
117.06	1	32	Roy Thannikal and Mini Thannikal	5.177	(GRID) 2.027 (G.H.L.) 2.027

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY

SURVEY MAP
IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT
FROM
ROY THANNIKAL AND MINI THANNIKAL

PARCEL 7
TO BE ACQUIRED BY CITY OF NEW YORK
FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
CONNECTION TUNNEL AND APPURTENANCES

SITUATE IN
TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
BEING A PORTION OF TAX MAP ID# 117.06-1-32

JULY 18, 2023

40 0 40 80 120

LAND ACQUISITION ID #9509

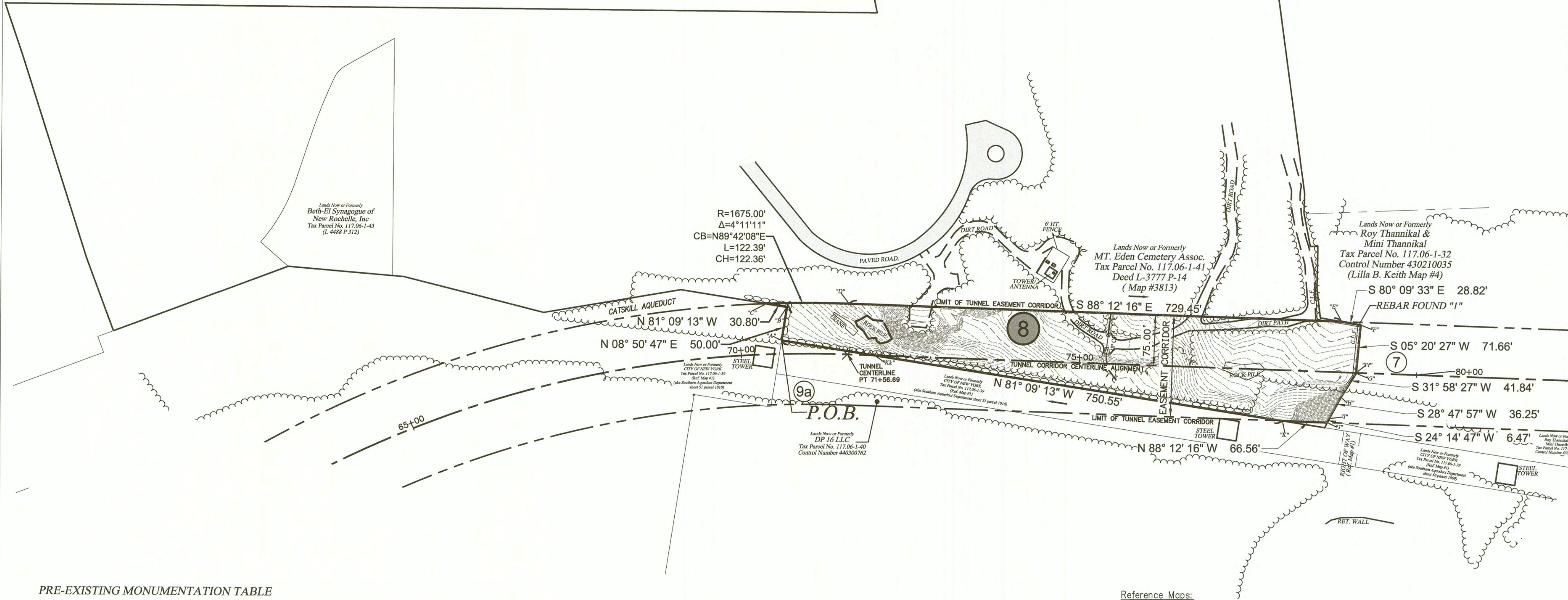
SCALE: 1" = 40'

SHEET 1 OF 1

FINAL APPROVAL & ADOPTION

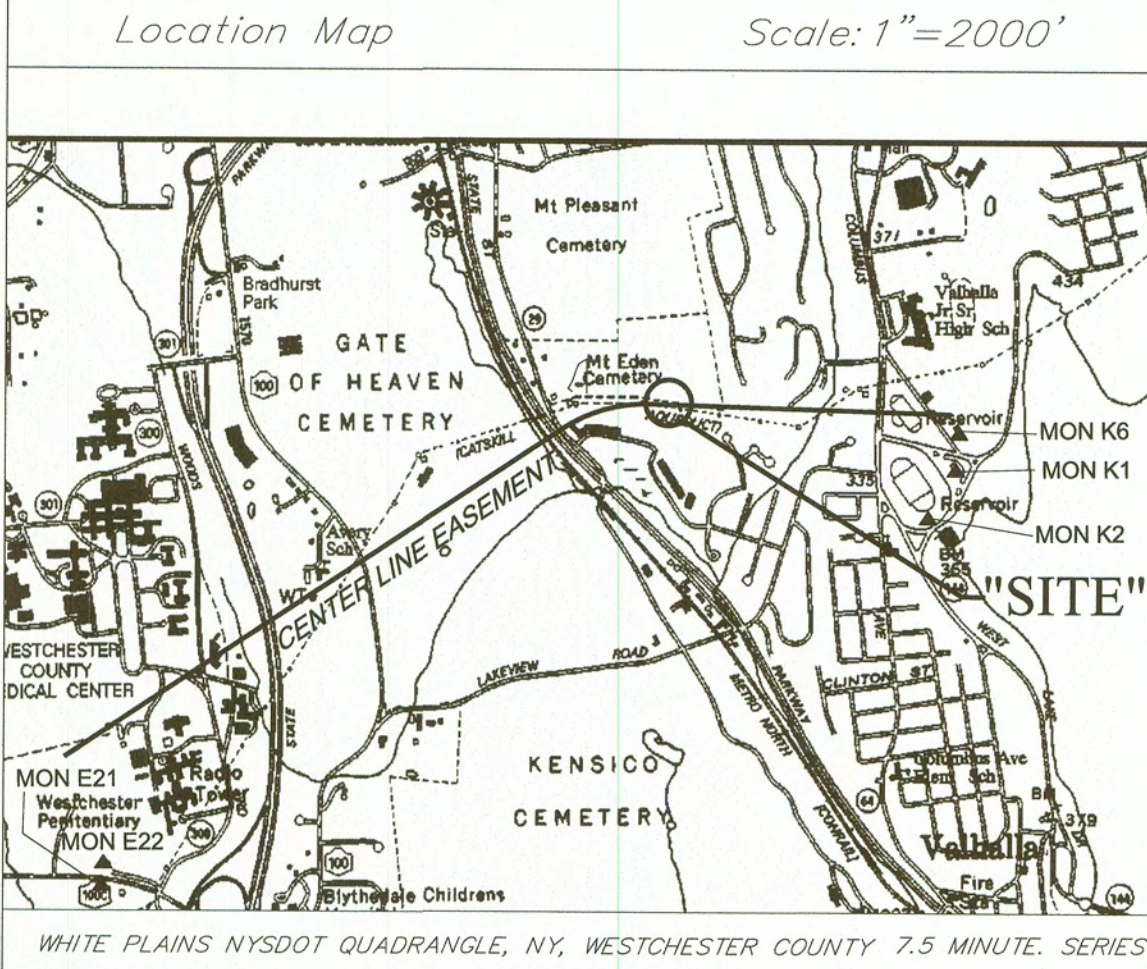
We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.

Dated: 3/27/24
 Deputy Mayor
 City of New York
 Dated: 2/28/24
 Deputy Chief Operating Officer, New York City
 Department of Environmental Protection



The meridian distances and coordinate values shown herein, refer to the New York State Coordinate System, East Zone (NAD-83/2011-12B) expressed in feet, except where noted. The distances shown on this particular survey have been scaled by a factor of 0.999952707743. To obtain level ground distances, divide the distance shown by the above mentioned scale factor.

The reference stations in the C.O.R.S. network used for control are as follows:
 DARIEN 40°03'57.0896"N, 73°30'25.94225"W
 NJMT 40°47'47.35036"N, 74°28'59.33946"W
 CENTRAL ISLIP 40°45'38.23697"N, 73°11'51.78739"W
 VALHALLA 41°04'56.22107"N, 73°49'04.12572"W



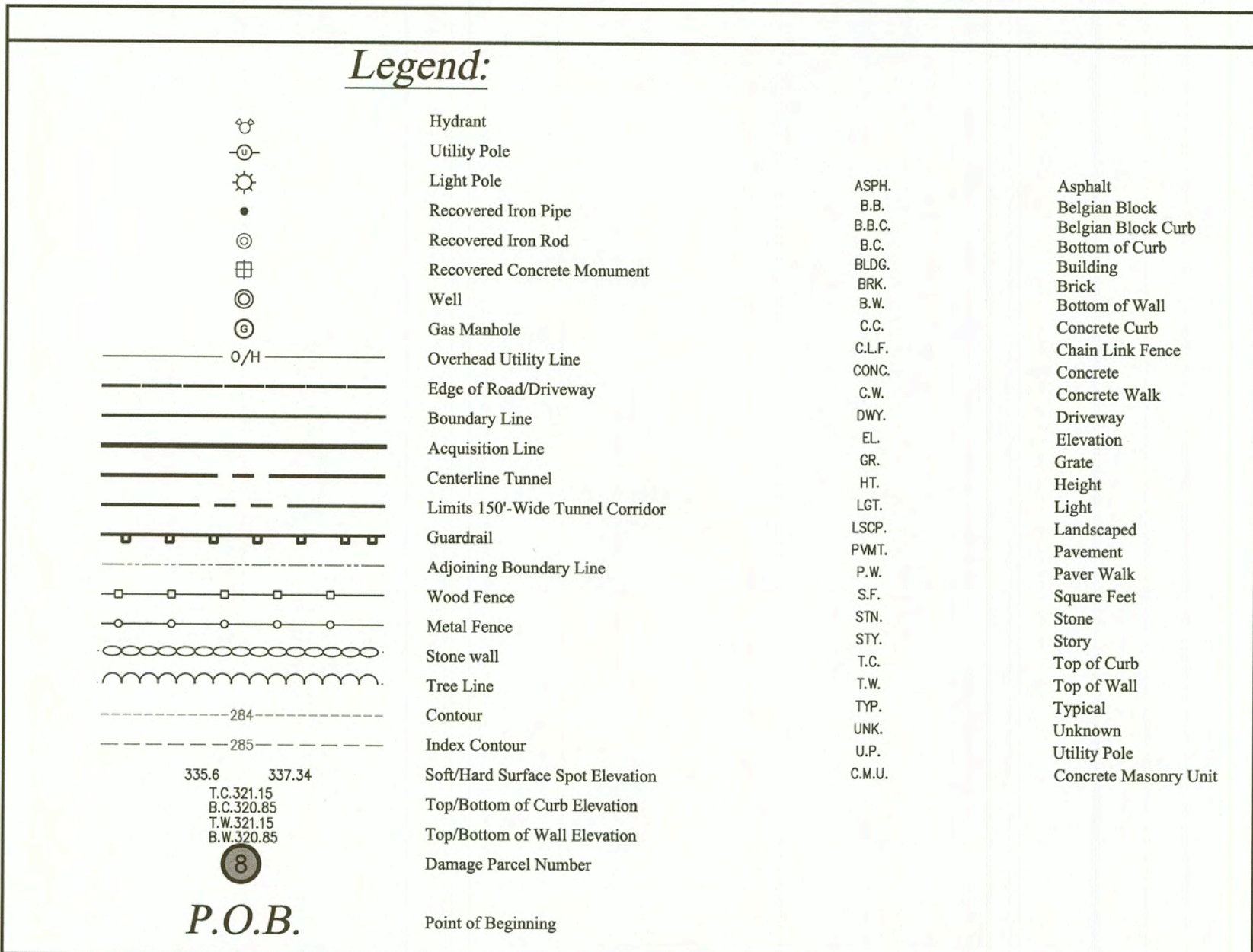
- NOTES:
- Any unauthorized alteration or addition to a survey map bearing the signature and seal of a licensed land surveyor is a violation of Sec. 7209-A, Subdivision 2, of the New York State Education Law.
 - This map may be affected by instruments which have not been made known to these surveyors. Users of this map should verify title with competent title examiners.
 - The location of underground improvements or encroachments are not always known and often must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.
 - Only copies from the original of this survey marked with an original of the Land Surveyor's inked seal shall be considered valid true copies.
 - Certifications indicated herein signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared and on his behalf the title company, governmental agency and lending institution listed herein, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.
 - Subject to any and all utility easements of record if any.
 - The Horizontal datum is NY East State Plane Coordinate system NAD83 (2011) based on simultaneous static GPS observations by Matrix New World on 08-23/24-2022. GNSS baselines were tied into continuously operating reference stations (cors) network, (CTDA, NJMT, NYCI, NYVH) and connected to national geodetic survey monuments NYVHRM1 & NYVHRM2.
 - The Vertical datum is referenced to NAVD 88 as determined by simultaneous GPS static observations on two separate days and confirmed with tie to NGS monuments by Matrix New World.
 - The easement provides the City of New York with the exclusive right to construct, reconstruct, repair, operate, inspect, monitor, protect and maintain a subsurface water tunnel facility and appurtenances in, over, through, under, and across the easement area. The crown of the tunnel shall be constructed at least 100 feet below current ground surface. The City of New York shall have the right to survey, monument, demarcate, and confirm the bounds of the easement and the centerline of the tunnel and the right to inspect that portion of the property that is subject to the easement to ensure compliance with the terms of the easement. Landowner reserves the right to use the land within the easement area from the current ground surface level, as depicted herein, down to a maximum depth of 50 feet below current ground surface for any lawful activities except for well-drilling or well-improvement activities of any kind, provided and only to the extent that a) such activities do not interfere with the operation and maintenance of the tunnel or jeopardize the integrity of the tunnel, and b) landowner provides written notice to the City of New York no less than two weeks before engaging in any activity in the easement area below the depth of 25 feet below current ground surface. Users of this map should consult the recorded easement deed.

PRE-EXISTING MONUMENTATION TABLE

MONUMENT	STATION	OFFSET	NORTHING	EASTING
REBAR FOUND "I"	79+11.20	69.74' L	822456.23	689666.06

PARCEL "8" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	70+60.00	20.09' L	822430.34	688812.47
"B"	70+68.74	69.27' L	822479.75	688820.16
"C"	70+39.78	75.00' L	822484.48	688789.73
"D"	71+56.69	75.00' L	822485.12	688912.09
"E"	78+86.14	75.00' L	822462.26	689641.18
"F"	79+14.68	70.97' L	822457.34	689669.57
"FF"	79+10.28	0.00'	822386.54	689662.95
"G"	79+10.24	0.55' R	822385.99	689662.90
"H"	78+89.21	36.72' R	822350.50	689640.75
"I"	78+72.75	69.02' R	822318.74	689623.28
"J"	78+70.28	75.00' R	822312.83	689620.63
"K"	78+03.72	75.00' R	822314.92	689554.10
"KK"	71+97.34	0.00'	822408.88	688950.37



Reference Maps:

- "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburg, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 3813.
- "Survey of property prepared for Mt. Eden Cemetery, in the Town of My. Pleasant, Westchester Co. N.Y." dated November 14, 1930, last revised August 25, 1931, made by Ward Carpenter Engineers, Inc., and filed in the Westchester County Clerks Office on September 18, 1931 as Filed Map No. 3813.
- "Section 4 Highline prepared for Gallaway Realty Corp. Near Valhalla Town of Mount Pleasant, Westchester Co. N.Y. Westchester County, N.Y." Dated March 9, 1932, and filed in the Westchester County Clerks Office on March 22, 1932 as Filed Map No. 3862.
- "Survey of property of Oliver A. Cook, Town of Mount Pleasant, Westchester County, N.Y." surveyed-May 19th 1924 by J. Henry Carpenter & Co. Dated May 19th 1924, and filed in the Westchester County Clerks Office on February 1st, 1926 as Filed Map No. 2954.

Reference Deed:
 Congregation Shaaray Tefila, a domestic religious corporation
 - to -
 Mt. Eden Cemetery Association, Inc.,
 Deed 3777, Page 14
 Dated: 23 August 1939
 Filed: 5 September 1939

County Block Index Map

Sheet Number: 99
 Block Number: 8000

Certification:

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

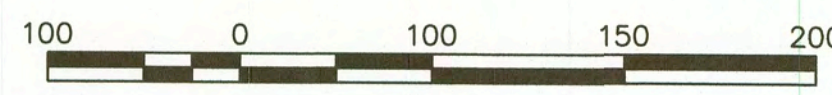
- To:
- Mt. Eden Cemetery Association
 - City of New York

R. Stephen Moncrief, Jr. 1/29/2024
 Ronald Stephen Moncrief, Jr.
 N.Y.S. License No. 049819

CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY SURVEY MAP IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT FROM MT EDEN CEMETERY ASSOCIATION, INC.

PARCEL 8
 TO BE ACQUIRED BY CITY OF NEW YORK
 FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
 CONNECTION TUNNEL AND APPURTENANCES
 SITUATE IN
 TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
 BEING A PORTION OF TAX MAP ID# 117.06-1-41

JULY 18, 2023



LAND ACQUISITION ID #9510

SCALE: 1" = 100'

SHEET 1 OF 1

We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.


Deputy Mayor
City of New York

Kathleen Miller
Deputy Chief Operating Officer, New York City
Department of Environmental Protection

MONUMENT	STATION	OFFSET	NORTHING	EASTING
IRON PIN FOUND "1"	61+74.32	131.67' L	822256.91	687906.78
CROSS CUT FOUND "2"	64+85.72	88.85' L	822374.25	688220.62
IRON PIN FOUND "3"	68+57.69	53.136 R	821866.68	688694.06
CONCRETE MONUMENT "4"	69+23.37	52.15' R	822348.66	688682.78

PAV
DR

WALL

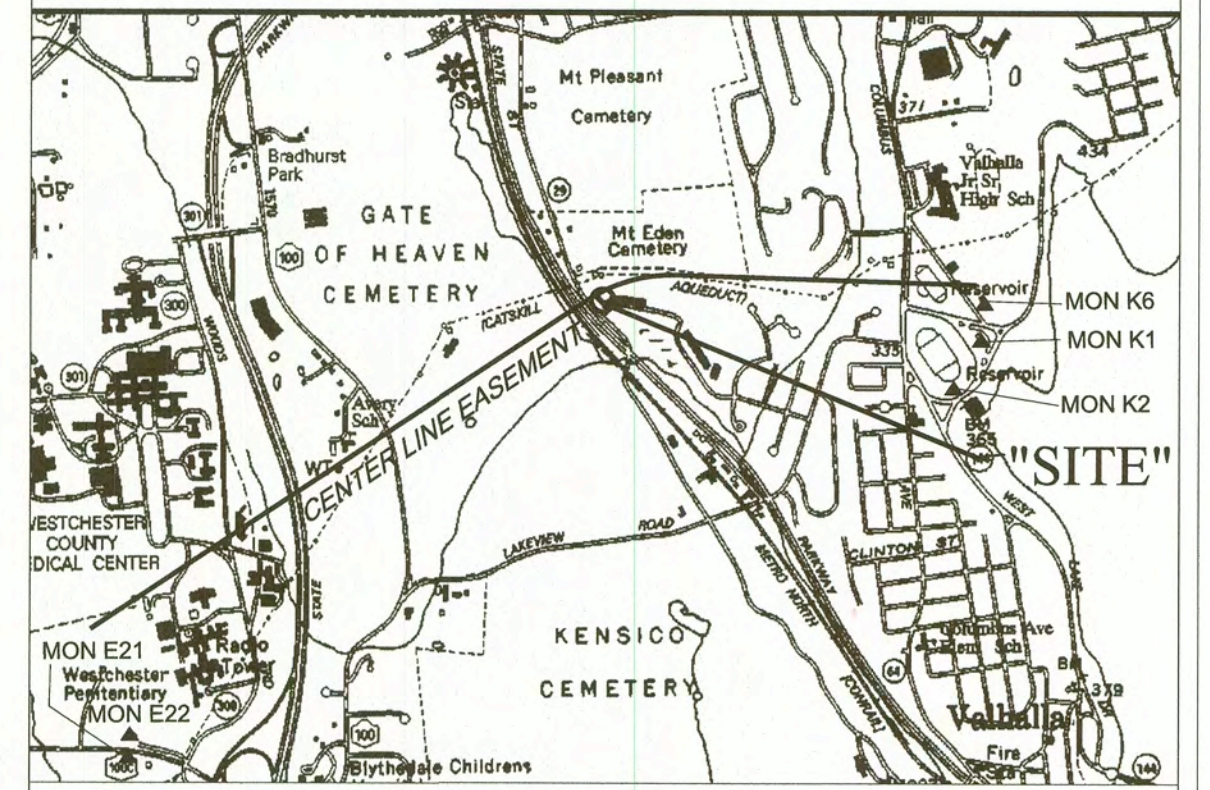
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BEARING IN:	N 56° 25' 01" E
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CL PC NORTHING:	822143.88
CL PC EASTING:	687974.57
RADIUS:	1,600'
LENTH OF CURVE:	987.958'
CL PT STATION:	71+56.69
CL PT NORTHING:	822410.16
CL PT EASTING:	688909.74
BEARING OUT:	S 88° 12' 16" E

13°15'00"

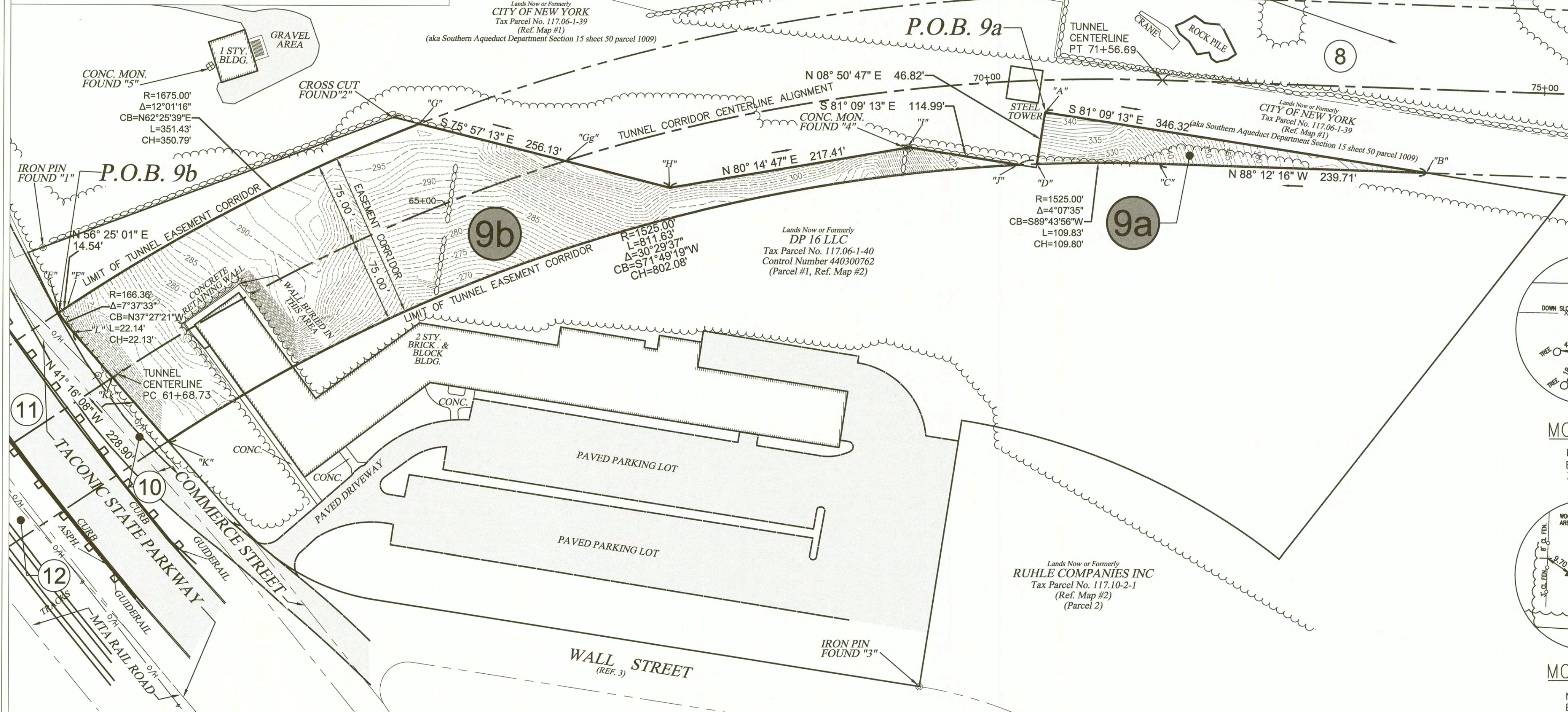
GRID

MAGNETIC

Scale: 1"=2000'



1. Any unauthorized alteration or addition to a survey map bearing the signature and seal of a licensed land surveyor is a violation of Sec. 7209-A, Subdivision 2, of the New York State Real Property Law, and is hereby prohibited.
2. This map may be altered by Subdivisions which have not been made known to these surveyors. Users of this map should verify title with competent title examiners.
3. The location and understanding of improvements and encroachments are not always known and often must be estimated, if any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.
4. Only the person who turn the original of this survey marked with an original of the Land Surveyor's inked seal shall be considered valid true copies.
5. Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveyors and the standards of the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared and on his behalf the title company, governmental agency and lending institution shall rely thereon, and to the assent of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.
6. Subject to any and all utility easements of record if any.
7. The Horizontal datum is the East State Plane Coordinate system, NAD 83, based on the continuous static GPS observations by Matrix New York on 08-23/24-2022. GNSS baselines were tied into continuously operating reference stations (cors) network, (CITDA,NM,TNYC,NYVH) and connected to national geodetic survey monuments NYVHRH1 & NYVHRM2.
8. The Vertical datum adopted is the NAVD 88 as determined by simultaneous GPS stic observations on two separate days and confirmed with tie to NGS monuments by Matrix New York.
9. The easement provides the City of New York with the exclusive right to construct, reconstruct, repair, operate, inspect, monitor, protect and maintain a subsurface water tunnel facility and appurtenances in, over, through, under, and adjacent to the easement. The tunnel shall be constructed at least 100 feet below current ground surface.
The City of New York shall have the right to survey, monument, demarcate and confirm the boundary of the easement and the centerline of the tunnel and the right to inspect that portion of the property that is subject to the easement to ensure compliance with the terms of the easement.
Landowner reserves the right to use the land within the easement area from the surface ground surface level, as depicted herein, down to a maximum depth of 25 feet below current ground surface for any lawful activities except for well-drilling or well-improvement activities of any kind, provided that only the well-drilling or well-improvement do not interfere with the operation and maintenance of the tunnel or jeopardize the integrity of the tunnel, and b) landowner provides written notice to the City of New York no less than two weeks before any well-drilling activities in the easement area below the depth of 25 feet below current ground surface.
Users of this map should consult the recorded easement deed.



CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	70+50.70	29.04' R	822380.94	688804.78
"B"	73+96.40	75.00' R	822327.68	689146.98
"C"	71+56.69	75.00' R	822335.19	688907.39
"D"	70+41.46	75.00' R	822334.68	688797.58

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"E" POB	61+54.19	75.00' L	822198.31	687920.97
"F"	61+68.73	75.00' L	822206.36	687933.08
"G"	65+04.43	75.00' L	822368.73	688244.03
"Gg"	66+14.52	0.00'	822335.88	688375.30
"H"	66+99.53	48.62' R	822312.39	688469.20
"I"	69+24.14	51.67' R	822349.22	688683.47
"J"	70+24.69	75.00' R	822333.95	688781.62
"K"	61+73.15	75.00' R	822083.72	688019.57
"Kk"	61+62.82	0.00'	822140.61	687969.65
"L"	61+55.68	52.92' L	822180.75	687934.42

	Hydrant		
	Utility Pole		ASPH.
	Light Pole		B.B.
	Recovered Iron Pipe		B.B.C.
	Recovered Iron Rod		B.C.
	Recovered Concrete Monument		B.D.G.
	Well		BRK.
	Gas Manhole		B.W.
	Overhead Utility Line		C.C.
	Edge of Road/Driveway		C.L.F.
	Boundary Line		CONC.
	Acquisition Line		C.W.
	Centerline Tunnel		D.W.Y.
	Limits 150'-Wide Tunnel Corridor		EL.
	Guardrail		GR.
	Adjoining Boundary Line		HT.
	Wood Fence		LGT.
	Metal Fence		LSCP.
	Stone wall		P.M.T.
	Tree Line		P.W.
	Contour		S.F.
	Index Contour		STN.
	Soft/Hard Surface Spot Elevation		STY.
	Top/Bottom of Curb Elevation		T.C.
	Top/Bottom of Wall Elevation		T.W.
	Damage Parcel Number		TYP.
			UNK.
			U.P.
			C.M.U.
			Aphalt
			Belgian Block
			Belgian Block Curb
			Bottom of Curb
			Building
			Brick
			Bottom of Wall
			Concrete Curb
			Chain Link Fence
			Concrete
			Concrete Walk
			Driveway
			Elevation
			Grate
			Height
			Light
			Landsaped
			Pavement
			Paver Walk
			Square Feet
			Stone
			Story
			Top of Curb
			Top of Wall
			Typical
			Unknown
			Utility Pole
			Concrete Masonry Unit

- 1) "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburgh, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws Of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 1863
- 2) "Subdivision Map Prepared for FARRAND REALTY CORP. Valhalla, Town of Mount Pleasant, Westchester County, N.Y." made by Chas. H. Sells, Inc. Dated June 8, 1988 and filed in the Westchester County Clerks Office on December 17, 1990 as Filed Map No. 24303.
- 3) "Map showing property to be acquired by the Town of Mount Pleasant for the extension of Wall street, Town of Mount Pleasant Westchester County N.Y." Dated June 21, 1957 and filed in the Westchester County Clerks Office on February 25th, 1958 as Filed Map No. 11382

Reference Deed:
Praedium II Valhalla LLC
- to -
DP 16 LLC
Deed Control No. 44030
Dated: 25 July 2003
Filed: 8 March 2004

Sheet Number: 99
Block Number: 8003, 8007, and 12382

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

To:

1. DP 16 LLC
2. City of New York

R. Stephen Moncrief 1/29/2024

N: 817417.015
E: 683206.600
Z: 360.167

N: 821720.229
E: 692099.642
Z: 363.075

N: 817602.766
E: 683227.406
Z: 363.966

N: 821214.499
E: 691812.296
Z: 364.774

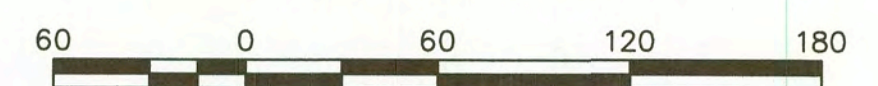
N: 822094.883
E: 692122.838
Z: 364.084

MATRIX**NEW**WORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018
Tel: 973-240-1800
www.mnwe.com

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

JULY 18, 2023



LAND ACQUISITION ID #9511

SCALE: 1" = 60'

SHEET 1 OF 1

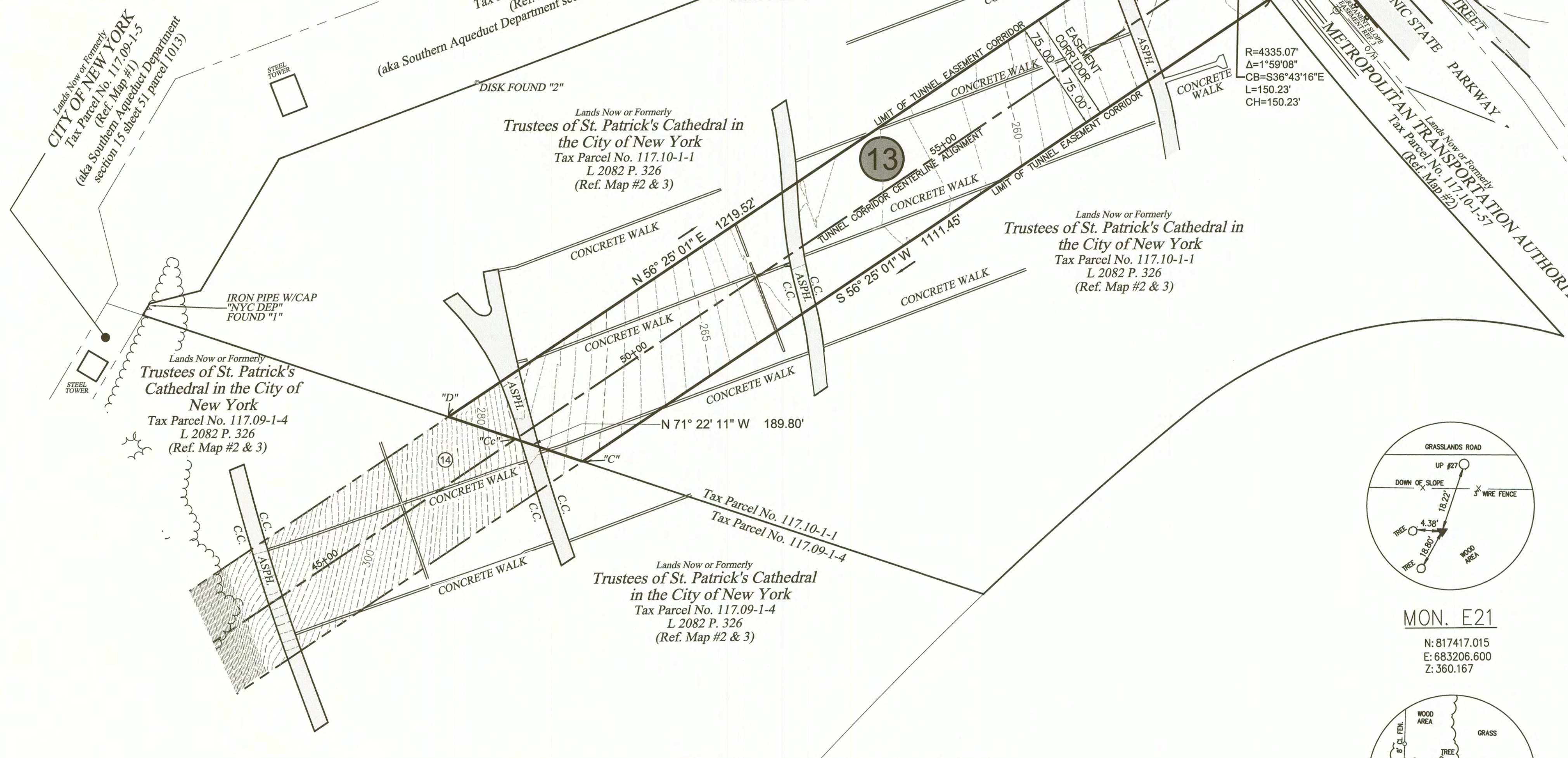
FINAL APPROVAL & ADOPTION

We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.

Dated: 3/27/24

Deputy Mayor
City of New York

Dated: 2/28/24

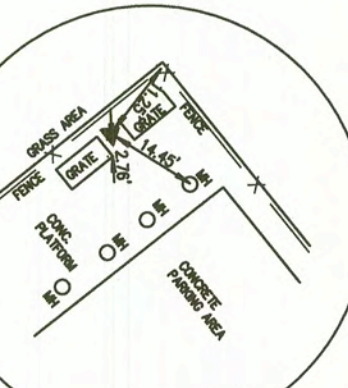
Deputy Chief Operating Officer, New York City
Department of Environmental Protection

The meridian distances and coordinate values shown hereon, refer to the New York State Coordinate System, East Zone (NAD-83/2011-128) expressed in feet, except where noted. The distances shown on this particular survey have been scaled by a factor of 0.999952707743. To obtain level ground distances, divide the distance shown by the above mentioned scale factor.

The reference stations in the C.O.R.S. network used for control are as follows:
DARIEN 40°03'57.06986"N, 73°30'25.94225"W
NMT 40°47'47.35036"N, 74°28'59.33946"W
CENTRAL ISIP 40°45'38.23697"N, 73°11'51.78739"W
VALHALLA 41°04'56.22107"N, 73°49'04.12572"W

- NOTES:
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 - Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared and on his behalf the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.
 - Subject to any and all utility easements of record if any.
 - The horizontal datum is NY East State Plane Coordinate system NAD83 (2011) based on simultaneous static GPS observations by Matrix New World on 08-23/24-2022. GNSS baselines were tied into continuously operating reference stations (cors) network, (CTDA,NMT,NYCI,NYH) and connected to national geodetic survey monuments NYVHRM1 & NYVHRM2.
 - The vertical datum is referenced to NAVD 88 as determined by simultaneous GPS static observations on two separate days and confirmed with tie to NGS monuments by Matrix New World.
 - The easement provides the City of New York with the exclusive right to construct, reconstruct, repair, operate, inspect, monitor, protect and maintain a subsurface water tunnel facility and appurtenances in, over, through, under, and across the easement area. The crown of the tunnel shall be constructed at least 100 feet below current ground surface.
 - The City of New York shall have the right to survey, monument, demarcate, and confirm the bounds of the easement and the centerline of the tunnel and the right to inspect that portion of the property that is subject to the easement to ensure compliance with the terms of the easement.
 - Landowner reserves the right to use the land within the easement area from the current ground surface level, as depicted herein, down to a maximum depth of 50 feet below current ground surface for any lawful activities except for well-drilling or well-improvement activities of any kind, provided and only to the extent that a) such activities do not interfere with the operation and maintenance of the tunnel or jeopardize the integrity of the tunnel, and b) landowner provides written notice to the City of New York no less than two weeks before engaging in any activity in the easement area below the depth of 25 feet below current ground surface.

MON. K1

N: 821720.229
E: 692099.642
Z: 363.075

MON. K2

N: 821214.499
E: 691812.296
Z: 364.774

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY
SURVEY MAP

IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT
FROM
TRUSTEES OF ST. PATRICK'S CATHEDRAL IN THE
CITY OF NEW YORK

PARCEL 13
TO BE ACQUIRED BY CITY OF NEW YORK
FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
CONNECTION TUNNEL AND APPURTENANCES
SITUATE IN
TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
BEING A PORTION OF TAX MAP ID# 117.10-1-1

DECEMBER 04, 2023

100 0 100 200 300

SCALE: 1" = 100'

LAND ACQUISITION ID #9399

SHEET 1 OF 1

PARCEL "13" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	59+64.87	75.00' L	822093.59	687763.25
"Aa"	59+68.33	0.00'	822033.02	687807.61
"B"	59+73.09	75.00' R	821973.17	687853.07
"C"	48+61.64	75.00' R	821358.38	686927.14
"Cc"	48+03.50	0.00'	821388.70	686837.21
"D"	47+45.35	75.00' L	821419.02	686747.29

PRE-EXISTING MONUMENTATION TABLE

MONUMENT	STATION	OFFSET	NORTHING	EASTING
IRON PIN W/ CAP 'NYC DEP' FOUND "1"	44+95.55	425.09' L	821572.49	686345.53
DISK FOUND "2"	50+27.34	425.94' L	821867.36	686788.09
DISK FOUND "3"	53+79.34	343.58' L	821993.46	687126.89
DISK FOUND "4"	58+48.30	233.81' L	822161.41	687578.29

Legend:

	Hydrant		Asphalt
	Utility Pole		Belgian Block
	Light Pole		B.B.C.
	Recovered Iron Pipe		Recovered from Rod
	Recovered from Rod		Recovered from Rod
	Recovered Concrete Monument		Recovered from Rod
	Well		Recovered from Rod
	Gas Manhole		Recovered from Rod
	Overhead Utility Line		Recovered from Rod
	Edge of Road/Driveway		Recovered from Rod
	Boundary Line		Recovered from Rod
	Acquisition Line		Recovered from Rod
	Centerline Tunnel		Recovered from Rod
	Limits 150'-Wide Tunnel Corridor		Recovered from Rod
	Guardrail		Recovered from Rod
	Adjoining Boundary Line		Recovered from Rod
	Wood Fence		Recovered from Rod
	Metal Fence		Recovered from Rod
	Stone wall		Recovered from Rod
	Tree Line		Recovered from Rod
	Contour		Recovered from Rod
	Index Contour		Recovered from Rod
	Soft/Hard Surface Spot Elevation		Recovered from Rod
	Top/Bottom of Curb Elevation		Recovered from Rod
	Top/Bottom of Wall Elevation		Recovered from Rod
	Damage Parcel Number		Recovered from Rod
	Point of Beginning		Recovered from Rod

NYC **MATRIXNEWORLD**
Engineering Progress
Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018
Tel: 973-240-1800
www.mnwe.com
STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

Revision date:		Type			By
07/01/2023		Map edits for C.O.F.A. per NYDEP			A.B.
Sect. No.	Block No.	Lot No.	Owner	Tax Map Acres	Easement Acres
117.10	1	1	Trustees of St. Patrick's Cathedral in The City of N.Y.	23.20	(GRID) 4.012 (H.G.L.) 4.012

Reference Maps:

- "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburg, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 1863
- "Map Prepared for the Kensico Cemetery, Town of Mount Pleasant, Westchester County, N.Y.," dated February 25, 1915 and filed in the Westchester County Clerks Office on December 3, 1915 as Filed Map No. 2116.
- Map showing agreement line prepared for The Kensico Cemetery & Gate of Heaven Cemetery Trustees of St. Patricks Cathedral, Town of Mount Pleasant, Westchester County, N.Y.," dated September 1953 and filed in the Westchester County Clerks Office on February 21, 1962 as Filed Map No. 13207.

Reference Deed:

The Kensico Cemetery
to
Trustees of St. Patrick's Cathedral in The City of
N.Y.
Deed: 2082 Page 326
Dated: 12 May 1915
Filed: 17 May 1915

County Block Index Map

Sheet Number: 99
Block Number: 7934

Certification:

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

- Trustees of St. Patrick's Cathedral in The City of N.Y.
- City of New York

R. Stephen Moncrief, Jr.
Ronald Stephen Moncrief, Jr.
N.Y.S. License No. 049819

FINAL APPROVAL & ADOPTION

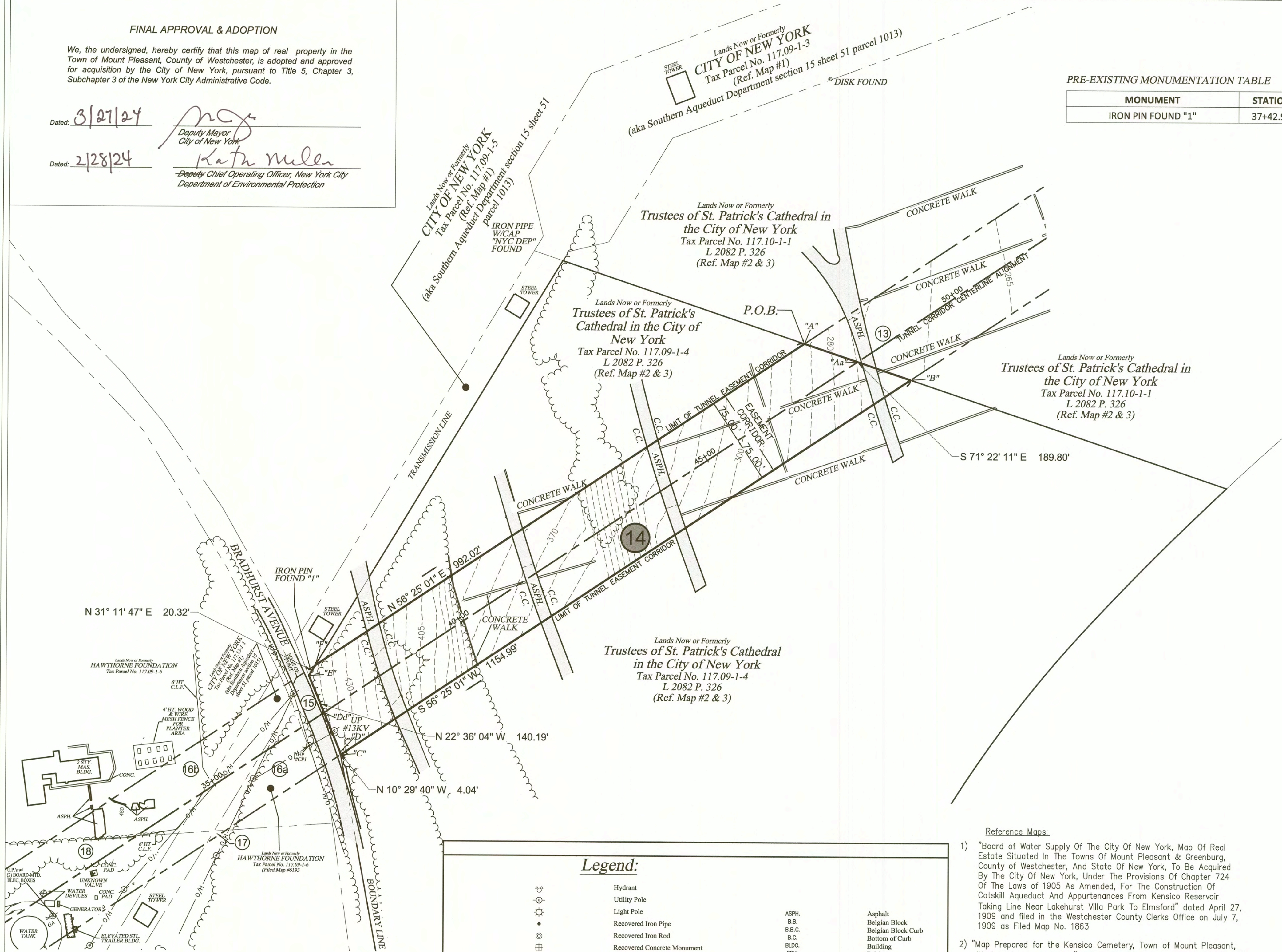
We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.

Dated: 3/27/24

Mayor
City of New York

Dated: 2/28/24

Deputy Chief Operating Officer, New York City
Department of Environmental Protection



PARCEL "14" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	47+45.35	75.00' L	821419.02	686747.29
"Aa"	48+03.50	0.00'	821388.70	686837.21
"B"	48+61.64	75.00' R	821358.38	686927.14
"C"	37+06.66	75.00' R	820719.50	685964.94
"D"	37+08.24	71.28' R	820723.48	685964.21
"Dd"	37+22.08	0.00'	820790.51	685936.30
"E"	37+34.95	66.34' L	820852.90	685910.33
"F"	37+53.33	75.00' L	820870.28	685920.85

Legend:

	Hydrant	ASPH.	Asphalt
	Utility Pole	B.B.	Belgian Block
	Light Pole	B.C.	Belgian Block Curb
	Recovered Iron Pipe	B.D.G.	Bottom of Curb
	Recovered Iron Rod	B.L.G.	Building
	Recovered Concrete Monument	B.M.	Brick
	Well	B.W.	Bottom of Wall
	Gas Manhole	C.C.	Concrete Curb
	Overhead Utility Line	C.L.F.	Chain Link Fence
	Edge of Road/Driveway	C.O.C.	Concrete
	Boundary Line	C.W.	Concrete Walk
	Acquisition Line	D.W.Y.	Driveway
	Centerline Tunnel	E.L.	Elevation
	Limits 150'-Wide Tunnel Corridor	GR.	Grate
	Guardrail	HT.	Height
	Adjoining Boundary Line	LET.	Light
	Wood Fence	LSP.	Landscape
	Metal Fence	P.M.T.	Pavement
	Stone wall	P.W.	Paver Walk
	Tree Line	S.F.	Square Feet
	Contour	STN.	Stone
	Index Contour	STY.	Story
	Soft/Hard Surface Spot Elevation	T.C.	Top of Curb
	Top/Bottom of Curb Elevation	T.W.	Top of Wall
	Top/Bottom of Wall Elevation	TYP.	Typical
	Damage Parcel Number	UNK.	Unknown
		U.P.	Utility Pole
		C.M.U.	Concrete Masonry Unit

P.O.B.

Point of Beginning

PRE-EXISTING MONUMENTATION TABLE

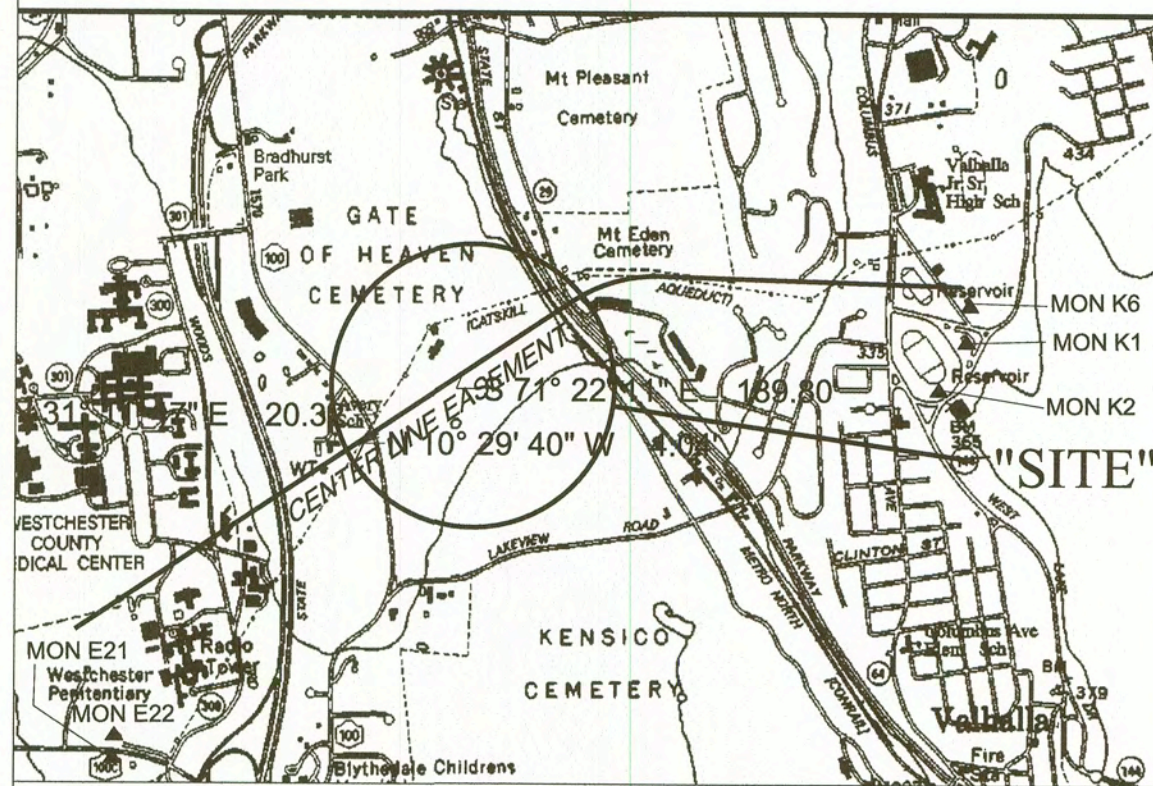
MONUMENT	STATION	OFFSET	NORTHING	EASTING
IRON PIN FOUND "1"	37+42.99	70.24' L	820860.60	685914.87

13°15'00"



Location Map

Scale: 1"=2000'

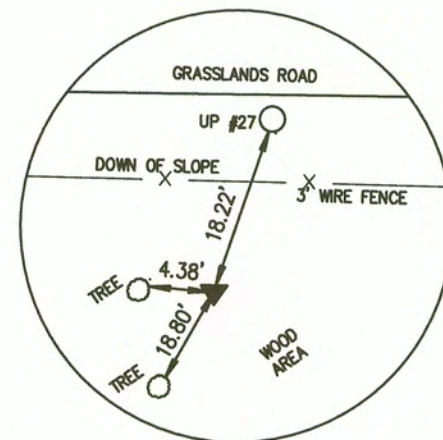


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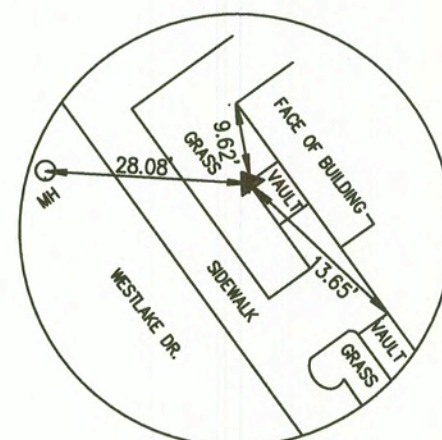
The reference stations in the C.O.R.S. network used for control are as follows:
DARIEN 40°03'57.06986"N, 73°30'25.94225"W
N.J.M.T. 40°47'47.35036"N, 74°28'59.33945"W
CENTRAL ISLP 40°45'38.23697"N, 73°11'51.78739"W
VALHALLA 41°04'56.22107"N, 73°49'04.12572"W

NOTES:

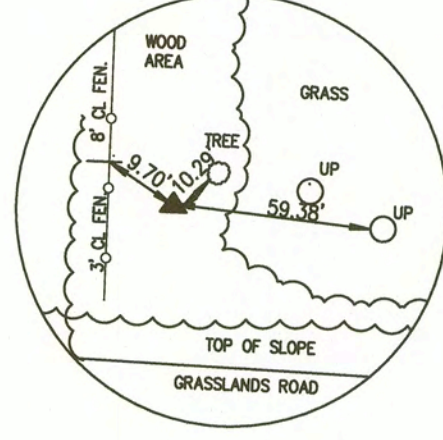
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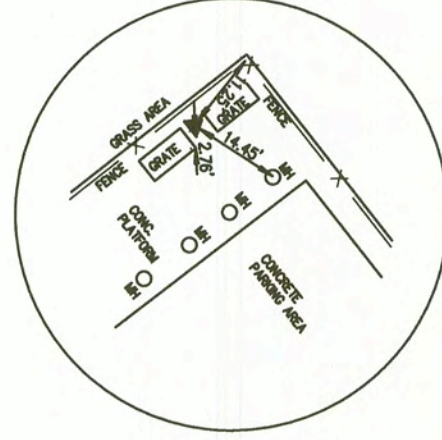
MON. E21
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E: 683206.600
Z: 360.167



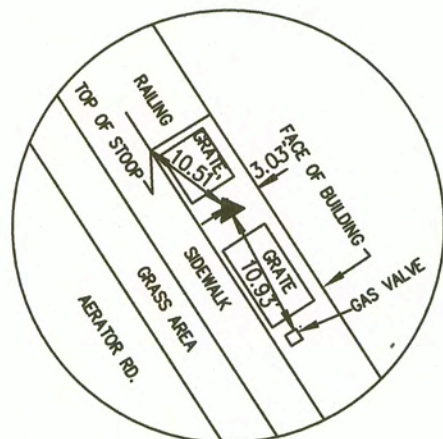
MON. K1
N: 821720.229
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Z: 363.075



MON. E22
N: 817602.766
E: 683227.406
Z: 363.966



MON. K2
N: 821214.499
E: 691812.296
Z: 364.774



MON. K6
N: 822094.883
E: 692122.838
Z: 364.984

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- Map showing agreement line prepared for The Kensico Cemetery & Gate of Heaven Cemetery Trustees of St. Patricks Cathedral, Town of Mount Pleasant, Westchester County, N.Y.," dated September 1953 and filed in the Westchester County Clerks Office on February 21, 1962 as Filed Map No. 13207.

Reference Deed:

The Kensico Cemetery
to
Trustees of St. Patrick's Cathedral in The City of N.Y.
Deed: 2082 Page 326
Dated: 12 May 1915
Filed: 17 May 1915

County Block Index Map

Sheet Number: 99
Block Number: 7934

Certification:

I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

To:

- Trustees of St. Patrick's Cathedral in The City of N.Y.
- City of New York

R. Stephen Moncrief, Jr.
Ronald Stephen Moncrief, Jr.
N.Y.S. License No. 049819

NYC
Environmental
Protection

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
New York, NY 10018

Tel: 973-240-1800

www.mnwe.com

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082861

Revision date:		Type			By	
07/01/2023		Map edits for C.O.F.A. per NYCDEP			A.B.	
Sect. No.	Block No.	Lot No.	Owner	Tax Map Acres	Easement Acres	
117.09	1	4	Trustees of St. Patrick's Cathedral in The City of N.Y.	39.687	(GRID) 3.722 (H.G.L.) 3.723	

LAND ACQUISITION ID #9399

SCALE: 1" = 100'

SHEET 1 OF 1

FINAL APPROVAL & ADOPTION

We, the undersigned, hereby certify that this map of real property in the Town of Mount Pleasant, County of Westchester, is adopted and approved for acquisition by the City of New York, pursuant to Title 5, Chapter 3, Subchapter 3 of the New York City Administrative Code.

Dated: 3/21/24

Mogel
Deputy Mayor
City of New York

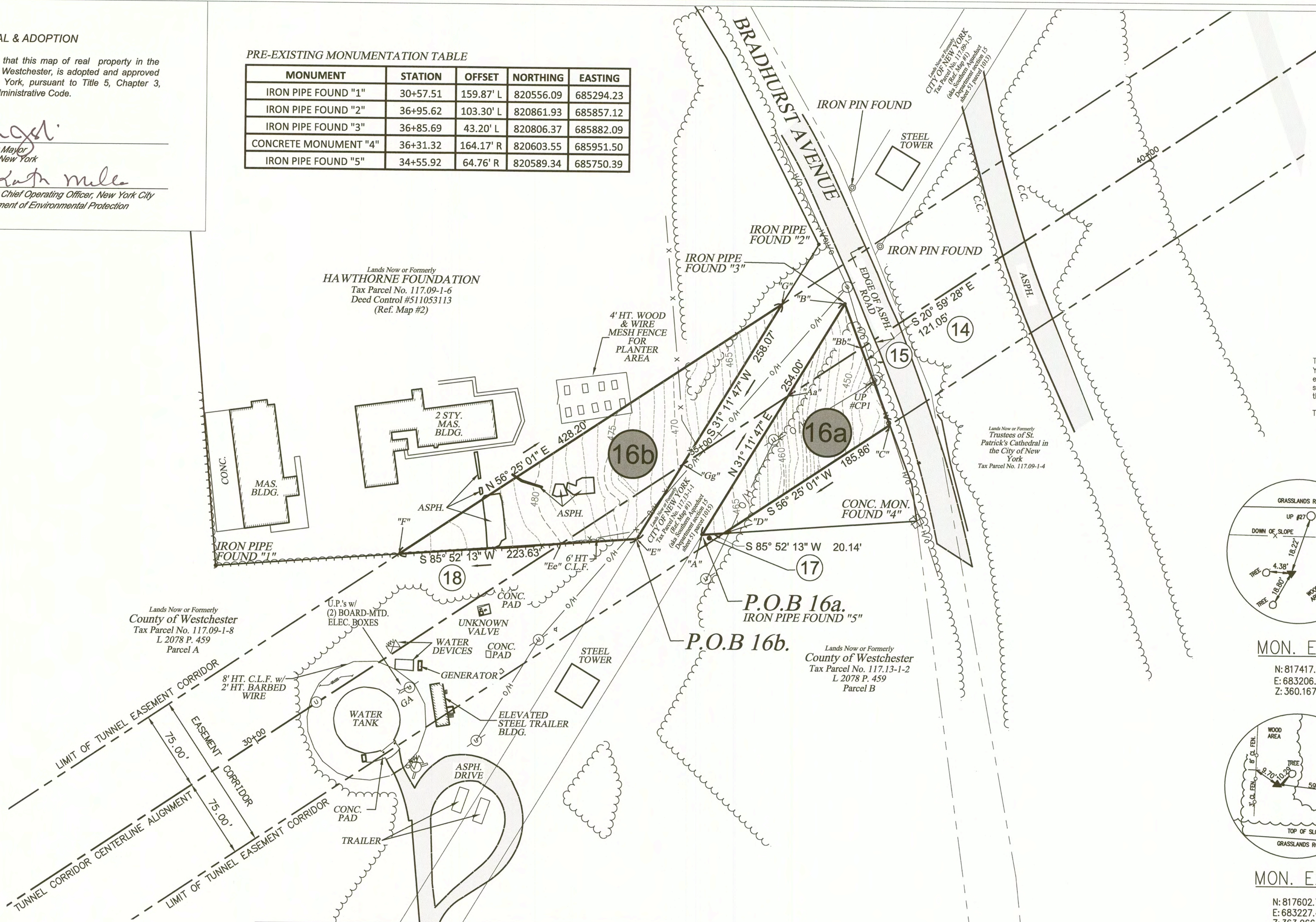
Dated: 2/28/24

Roth Miller
Deputy Chief Operating Officer, New York City
Department of Environmental Protection

PRE-EXISTING MONUMENTATION TABLE

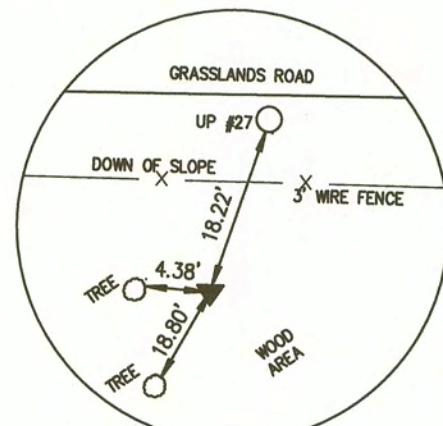
MONUMENT	STATION	OFFSET	NORTHING	EASTING
IRON PIPE FOUND "1"	30+57.51	159.87' L	820556.09	685294.23
IRON PIPE FOUND "2"	36+95.62	103.30' L	820861.93	685857.12
IRON PIPE FOUND "3"	36+85.69	43.20' L	820806.37	685882.09
CONCRETE MONUMENT "4"	36+31.32	164.17' R	820603.55	685951.50
IRON PIPE FOUND "5"	34+55.92	64.76' R	820589.34	685750.39

Lands Now or Formerly
HAWTHORNE FOUNDATION
Tax Parcel No. 117.09-1-6
Deed Control #511053113
(Ref: Map #2)



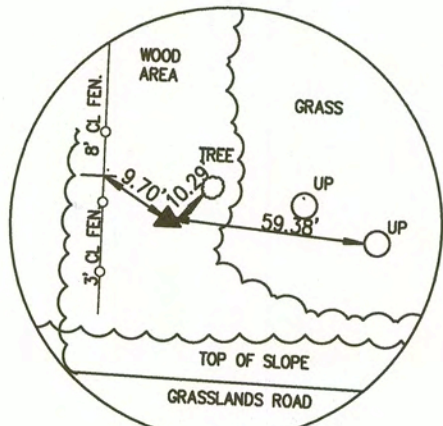
The meridian distances and coordinate values shown hereon, refer to the New York State Coordinate System, East Zone (NAD-83/2011-128) expressed in feet, except where noted. The distances shown on this particular survey have been scaled by a factor of 0.99995270743. To obtain level ground distances, divide the distance shown by the above mentioned scale factor.

The reference stations in the C.O.R.S. network used for control are as follows:
DAREN 40°03'57.06986"N, 73°30'25.94225"W
NANT 40°47'47.35036"N, 74°28'59.33946"W
CENTRAL ISIP 40°45'38.23697"N, 73°11'51.78739"W
VALHALLA 41°04'56.22107"N, 73°49'04.12572"W



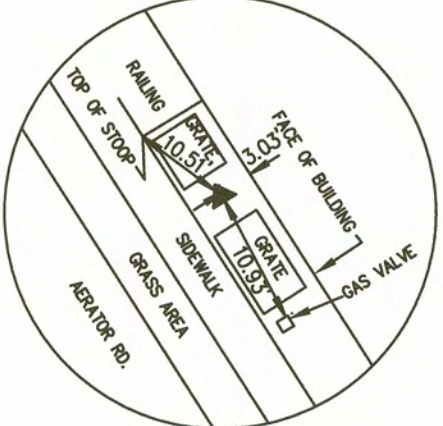
MON. E21

N: 817417.015
E: 692306.600
Z: 360.167



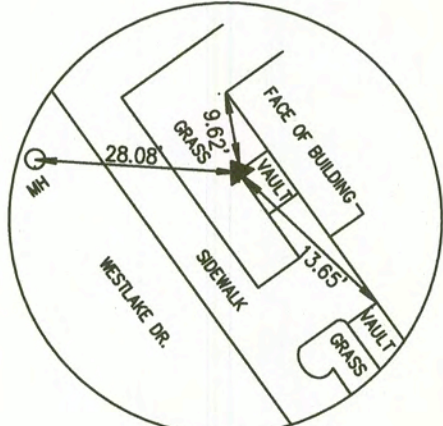
MON. E22

N: 817602.766
E: 683227.406
Z: 363.966



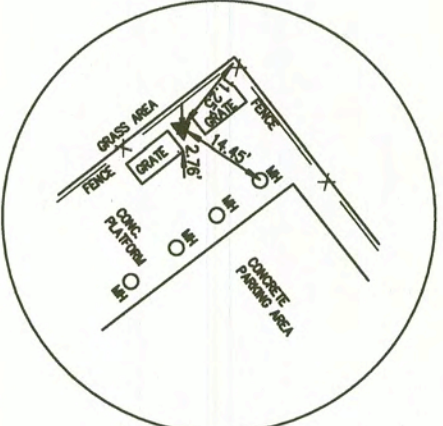
MON. K6

N: 822094.883
E: 692122.838
Z: 364.984



MON. K1

N: 821720.229
E: 692099.642
Z: 363.075



MON. K2

N: 821214.499
E: 691812.296
Z: 364.774

PARCEL "16a" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"A" POB	34+55.89	65.10' R	820589.04	685750.55
"Aa"	35+94.09	0.00'	820719.72	685829.68
"B"	36+85.68	43.14' L	820806.32	685882.12
"Bb"	36+76.04	0.00'	820765.05	685897.95
"C"	36+59.29	75.00' R	820693.30	685925.48
"D"	34+73.42	75.00' R	820590.49	685770.64

PARCEL "16b" EASEMENT BOUNDS TABLE

CORNER/ANGLE POINT	CL STATION	OFFSET	NORTHING	EASTING
"E" POB	34+02.53	34.96' R	820584.63	685689.43
"Ee"	33+40.61	0.00'	820579.51	685618.51
"F"	32+07.80	75.00' L	820568.52	685466.38
"G"	36+35.99	75.00' L	820805.38	685823.10
"Gg"	34+76.76	0.00'	820654.82	685731.93

Legend:

	Hydrant		Asphalt
	Utility Pole		Belgian Block
	Light Pole		Belgian Block
	Recovered Iron Pipe		Bottom of Curb
	Recovered Iron Rod		Building
	Recovered Concrete Monument		Brick
	Well		Bottom of Wall
	Gas Manhole		Chain Link Fence
	Overhead Utility Line		Concrete
	Edge of Road/Driveway		Concrete Walk
	Boundary Line		Driveway
	Acquisition Line		Elevation
	Centerline Tunnel		Guy Anchor
	Limits 150'-Wide Tunnel Corridor		Grate
	Guardrail		Height
	Adjoining Boundary Line		Light
	Wood Fence		Landscaped
	Metal Fence		Pavement
	Stone wall		Paver Walk
	Tree Line		Square Feet
	Contour		Stone
	Index Contour		Story
	Soft/Hard Surface Spot Elevation		Top of Curb
	Top/Bottom of Curb Elevation		Top of Wall
	Top/Bottom of Wall Elevation		Typical
	Damage Parcel Number		Unknown
			Utility Pole
			Concrete Masonry Unit

P.O.B.

Point of Beginning

Reference Maps:

- "Board of Water Supply Of The City Of New York, Map Of Real Estate Situated In The Towns Of Mount Pleasant & Greenburg, County of Westchester, And State Of New York, To Be Acquired By The City Of New York, Under The Provisions Of Chapter 724 Of The Laws of 1905 As Amended, For The Construction Of Catskill Aqueduct And Appurtenances From Kensico Reservoir Taking Line Near Lakehurst Villa Park To Elmsford" dated April 27, 1909 and filed in the Westchester County Clerks Office on July 7, 1909 as Filed Map No. 1863

- "Survey of property situate in the town of Mount Pleasant, Westchester County, N.Y. to be conveyed to George Avery" dated September 3, 1946 and filed in the Westchester County Clerks Office on September 26th, 1946 as Filed Map No. 6193.

Reference Deed:

The Bradhurst Center Corporation
to
Hawthorne Foundation Inc.
Deed: Control No. 511053113
Dated: 15 April 2011
Filed: 29 April 2011

County Block Index Map

Sheet Number: 98
Block Number: 7933

Certification:

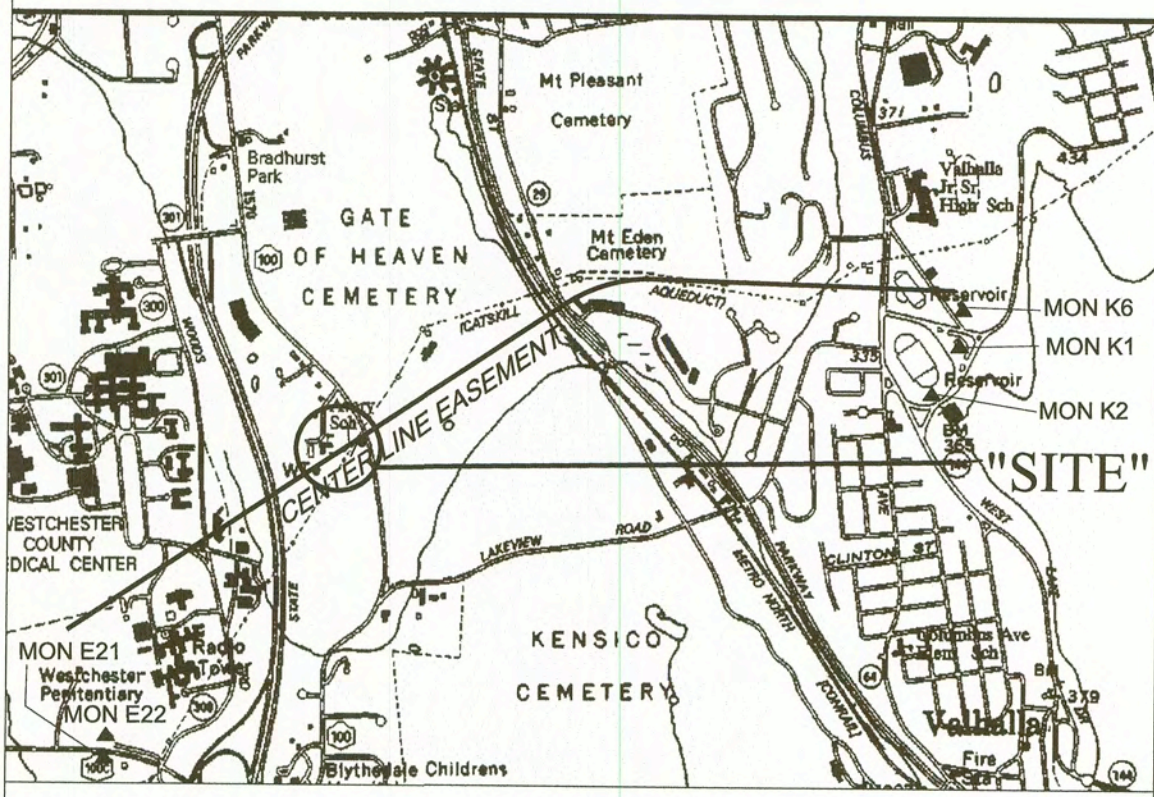
I hereby certify that this map was prepared from deeds and maps of record, and an accurate survey performed by me, or under my direction.

- Hawthorne Foundation Inc.
- City of New York

R. Stephen Moncrief, Jr.
Ronald Stephen Moncrief, Jr.
N.Y.S. License No. 049819

Location Map

Scale: 1"=2000'



NOTES:

- Any unauthorized alteration or addition to a survey map bearing the signature and seal of a licensed land surveyor is a violation of Sec. 7209-A, Subdivision 2, of the New York State Education Law.
 - This map may be affected by instruments which have not been made known to these surveyors. Users of this map should verify title with competent title examiners.
 - The location of underground improvements or encroachments are not always known and often must be estimated, if any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.
 - Only copies from the original of this survey marked with an original of the Land Surveyor's inked seal shall be considered valid true copies.
 - Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared and on his behalf the title company, governmental agency and the lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.
 - Subject to any and all utility easements of record if any.
 - The Horizontal datum is NY East State Plane Coordinate system NAD83 (2011) based on simultaneous static GPS observations by Matrix New World on 08-23/24-2022. GNSS baselines were tied into continuously operating reference stations (cors) network, (CTDA,NM1,NYCI,NYVH) and connected to national geodetic survey monuments NYVHRM1 & NYVHRM2.
 - The Vertical datum is referenced to NAVD 88 as determined by simultaneous GPS static observations on two separate days and confirmed with tie to NGS monuments by Matrix New World.
 - The easement provides the City of New York with the exclusive right to construct, reconstruct, repair, operate, inspect, monitor, protect and maintain a subsurface water tunnel facility and appurtenances in, over, through, under, and across the easement area. The crown of the tunnel shall be constructed at least 100 feet below current ground surface.
- The City of New York shall have the right to survey, monument, demarcate, and confirm the bounds of the easement and the centerline of the tunnel and the right to inspect that portion of the property that is subject to the easement to ensure compliance with the terms of the easement.
- Landowner reserves the right to use the land within the easement area from the current ground surface level, as depicted herein, down to a maximum depth of 50 feet below current ground surface for any lawful activities except for well-drilling or well-improvement activities of any kind, provided and only to the extent that a) such activities do not interfere with the operation and maintenance of the tunnel or jeopardize the integrity of the tunnel, and b) landowner provides written notice to the City of New York no less than two weeks before engaging in any activity in the easement area below the depth of 25 feet below current ground surface.
- Users of this map should consult the recorded easement deed.

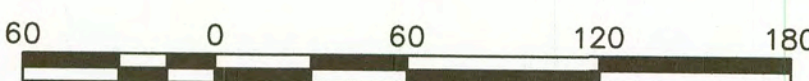
CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY
SURVEY MAP

IN THE MATTER OF ACQUIRING A PERMANENT EASEMENT
FROM
HAWTHORNE FOUNDATION INC

PARCEL 16a AND 16b
TO BE ACQUIRED BY CITY OF NEW YORK
FOR THE CONSTRUCTION OF THE KENSICO-EASTVIEW
CONNECTION TUNNEL AND APPURTENANCES

SITUATE IN
TOWN OF MT. PLEASANT, COUNTY OF WESTCHESTER, STATE OF NEW YORK
BEING A PORTION OF TAX MAP ID# 117.09-1-6

JULY 18, 2023



LAND ACQUISITION ID #9512

SCALE: 1" = 60'

SHEET 1 OF 1



MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street, 12th Floor
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STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082681