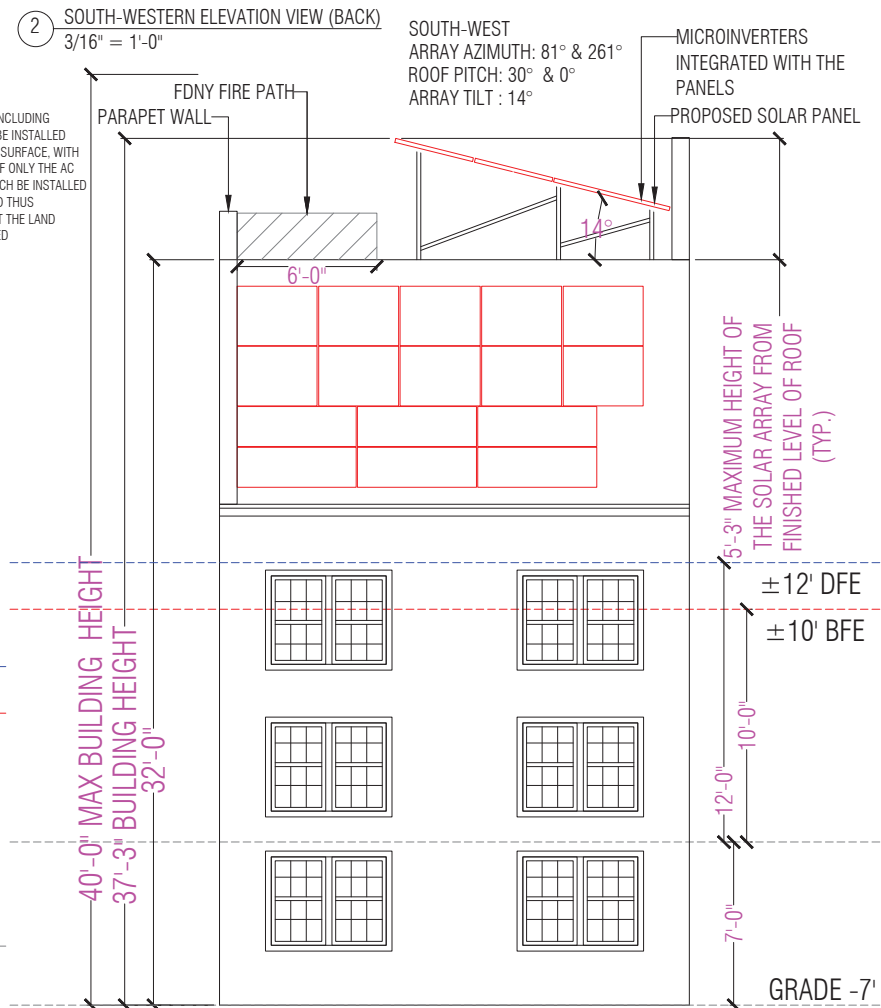
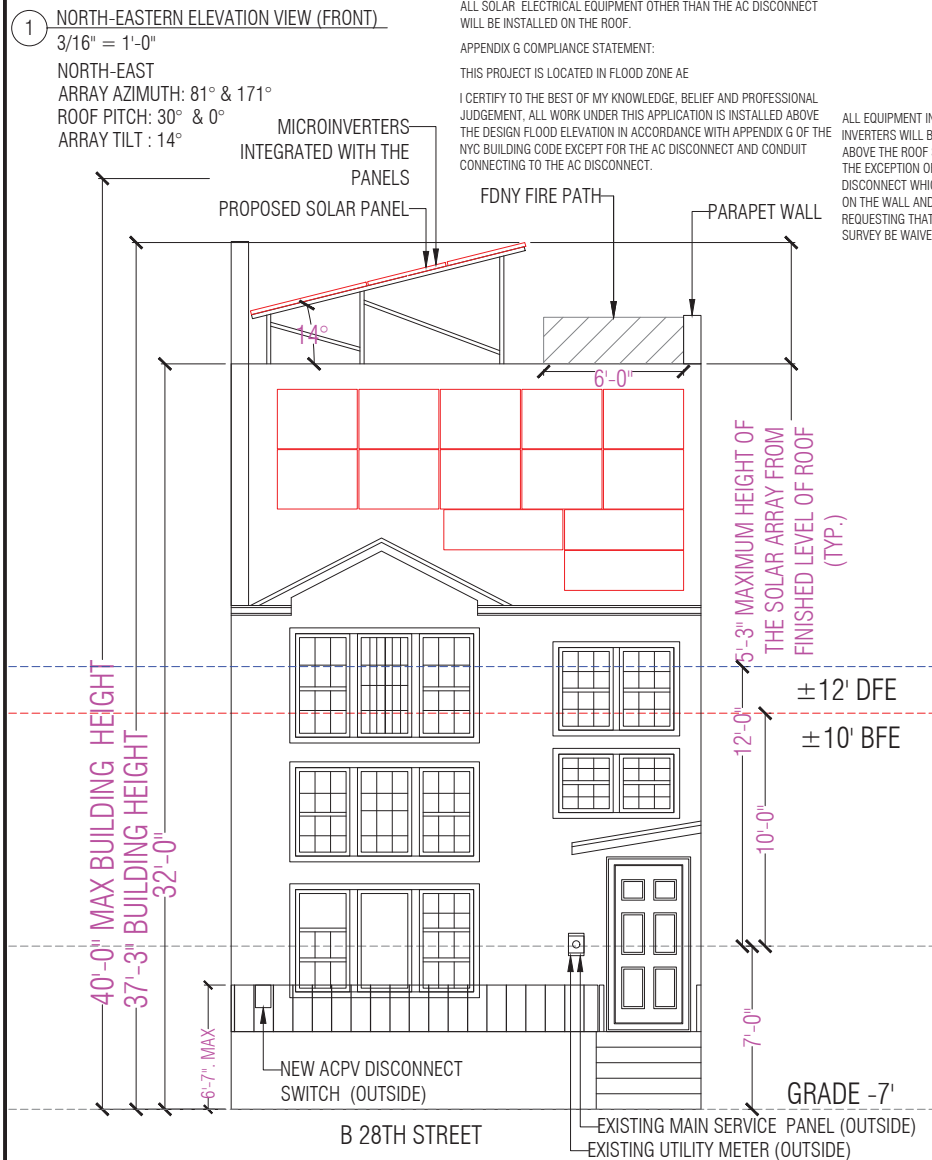




APPLICABLE ZONING RESOLUTION	ZR 23-62, ZR 23-62(m): SOLAR PANELS ARE A PERMITTED OBSTRUCTION WHICH SHALL BE PERMITTED TO PENETRATE A MAXIMUM HEIGHT LIMIT OR SKY EXPOSURE PLANE
APPLICABLE CODE	NEW YORK CITY BUILDING CODE 2014 NYCECC 2020 NATIONAL ELECTRICAL CODE 2011 NEW YORK CITY FIRE CODE 2014 FC 504.4, 504.4.4, 504.4.3, 504.4.2, 512.2, 512.3 AND 512.4

ZONING AND CODE INFORMATION	
BOROUGH	QUEENS
BLOCK	15804
LOT	123
ZONING DISTRICT	RS
ZONING MAP	31A
BUILDING CLASS (EXISTING)	MULTY- WALK-UP BUILDINGS



ELEVATION	A-300.00
DATE	04/26/22
DRAWN BY	DIN
SHEET:	3 OF 14
VERSION HISTORY	
DIN-04/26/22	ORIGINAL

PE INFO:
KAJIN LIANG, PE
NYS PE LICENSE #: 79716
211 GALLEY HILL ROAD,
CUDDEBACKVILLE, NY 12729
PHONE: (513) 535-2826
email: liangk513@gmail.com
SPECIAL INSPECTION AGENCY
NUMBER(FOR TR1): 004802

PROJECT ADDRESS
JAMES TAIWO
2-07 B 28TH STREET,
QUEENS, NY 11691

NYC DEVELOPMENT HUB:



LOCATION OF DISCONNECT: LOCATION OF SOLAR DISCONNECT COMPLIES WITH NEC 208.24(A):
OVERCURRENT DEVICES MUST BE READILY ACCESSIBLE AND INSTALLED SO THAT THE CENTER OF
THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST
POSITION, IS NOT MORE THAN 6 FEET, 7 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.

3

NORTH-WESTERN ELEVATION VIEW (SIDE)

3/16" = 1'-0"

NORTH-WEST

ARRAY AZIMUTH: 171°, 81° & 261°

ROOF PITCH: 30° & 0°

ARRAY TILT: 14°

PARAPET WALL

FDNY FIRE PATH

6" HEIGHT OF ARRAY FROM
FINISHED LEVEL OF ROOFMICROINVERTERS INTEGRATED WITH THE PANELS
PROPOSED SOLAR PANEL6" HEIGHT OF ARRAY FROM
FINISHED LEVEL OF ROOF

± 12' DFE

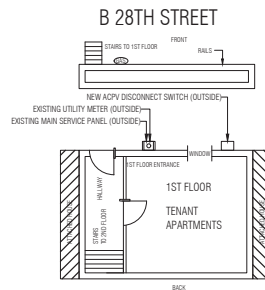
± 10' BFE

ADJACENT
BUILDINGTHE SOLAR SYSTEM INSTALLATION
COMPLIES WITH ZR 23-62(m)

B 28TH STREET

10'-0" MIN
FRONT YARD

GRADE - 7'

32'-0"
37'-3" BUILDING HEIGHT
40'-0" MAX BUILDING HEIGHT

4

FLOOR PLAN
NTS
Kamtech
SOLAR SOLUTIONS
ELEVATION AND
FLOOR PLAN

A-400.00

DATE

04/26/22

DRAWN BY

DIN

SHEET:

4 OF 14

VERSION HISTORY

DIN-04/26/22

ORIGINAL

PE INFO:

KAIJIN LIANG, PE
NYS PE LICENSE #: 79716
211 GALLEY HILL ROAD,
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PROJECT ADDRESS
JAMES TAIWO
2-07 B 28TH STREET,
QUEENS, NY 11691

NYC DEVELOPMENT HUB:

APPLICABLE ZONING RESOLUTION	APPLICABLE CODE	ZONING AND CODE INFORMATION	
		BOROUGH	QUEENS
ZR 23-62, ZR 23-62(m): SOLAR PANELS ARE A PERMITTED OBSTRUCTION WHICH SHALL BE PERMITTED TO PENETRATE A MAXIMUM HEIGHT LIMIT OR SKY EXPOSURE PLANE NEW YORK CITY BUILDING CODE 2014 NYCCEC 2020 NATIONAL ELECTRICAL CODE 2011 NEW YORK CITY FIRE CODE 2014 FC 504.4, 504.4.4, 504.4.3, 504.4.2, 512.2, 512.3 AND 512.4		BLOCK	15804
		LOT	123
		ZONING DISTRICT	R5
		ZONING MAP	31A
		BUILDING CLASS (EXISTING)	MULTY- WALK-UP BUILDINGS



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources or small flood events. The Flood Insurance Study map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent predicted water-level elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only to landward of 0.5 National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **Floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was New York State Plane FIPS/ZONE 3104. The horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, projection, or use of State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NCEM, NIMS-2
National Geodetic Survey
SMA-C1 #0022
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunications, City of New York. This information was derived from digital orthophoto products at a scale of 1:1,000 with 2-foot pixel resolution from photography dated 2004.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel delineations that differ from what is shown on this map. Also, the need to floodplain relationships for unregulated streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map showing the layout of map panels for this jurisdiction.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://www.fema.gov>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov>.

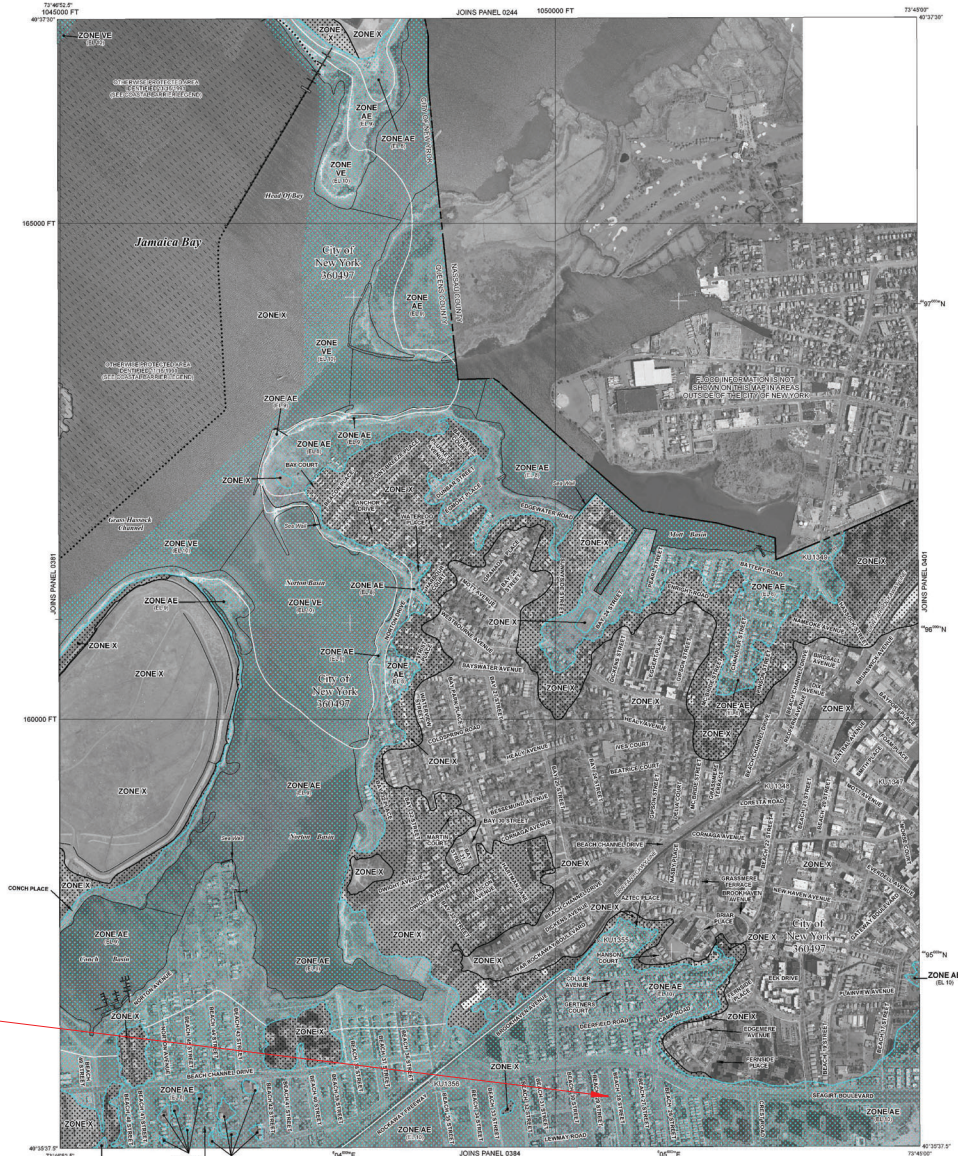
COASTAL BARRIER LEGEND

11-16-1991 Otherwise Protected Area

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES - NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 16, 1991 - NOT USED IN A MANNER CONSISTENT WITH THE PURPOSE OF THE OTHERWISE PROTECTED AREAS.

Comments or concerns regarding the Coastal Barrier Resources System or Otherwise Protected Areas should be directed to the Coastal Barrier Coordinator at the U.S. Fish and Wildlife Service, (410) 333-6887.

PROPOSED SOLAR PANEL
INSTALLATION LOCATION
2-07 B 28TH STREET,
QUEENS, NY 11691



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones X, AE, AH, AO, VE, V, and V. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE X
No Base Flood Elevation determined.

ZONE AE
Base Flood Elevation determined.

ZONE AH
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation determined.

ZONE AO
Flood depths of 1 to 3 feet (usually flood flow on sloping terrain); average depths determined. For areas of structural flooding, velocities also determined.

ZONE VE
Special Flood Hazard area (usually protected from the 1% annual chance flood by a flood control system that was subsequently described). Zone AE indicates that the flood control system is being retained to provide protection from the 1% annual chance or greater flood.

ZONE AV
Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation determined.

ZONE V
Coastal Flood zone with velocity hazard (wave action); no Base Flood Elevation determined.

ZONE VE
Coastal Flood zone with velocity hazard (wave action); Base Flood Elevation determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodable areas that must be kept free of encroachments so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X
Areas needed to be within the 0.2% annual chance floodplain.

ZONE D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Areas needed to be within the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible.

0.2% annual chance floodplain boundary.

Floodway boundary.

Zone D boundary.

CBRS and OPA boundary.

Boundary showing Special Flood Hazard Area Zones and boundaries of floodway areas.

Base Flood Elevation line and water elevation at crest.

Base Flood Elevation water surface elevation water surface elevation at crest.

Reference to the National Geodetic Vertical Datum of 1929.

Truncated line.

Topographic contours referenced to the North American Datum of 1983 (NAD 83), unless otherwise noted.

100-meter Universal Transverse Mercator grid values, zone 18.

100-foot grid lines; New York State Plane coordinates system; Long Island zone FIPS/ZONE 3104; United States National Grid projection.

Map scale (see explanation in Notes to Users section of this FIS report).

Map reproduction.

Refer to listing of Map Reproduction on Map Index.

Map reproduction.

Map reproduction.

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Map reproduction.

Map reproduction.

Map reproduction.

Map reproduction.

Kamtech
SOLAR SOLUTIONS

FEMA MAP A-530.00

DATE 04/26/22

DRAWN BY DIN

SHEET: 8 OF 14

VERSION HISTORY

DIN-04/26/22 ORIGINAL

PE INFO:

KAUJIN LIANG, PE

NYS PE LICENSE#: 79716

211 GALLEY HILL ROAD,

CUDDEBACKVILLE, NY 12729

PHONE: (513) 535-2826

email: liangk513@gmail.com

SPECIAL INSPECTION AGENCY

NUMBER(FOR TR1): 004802

PROJECT ADDRESS
JAMES TAIWO
2-07 B 28TH STREET,
QUEENS, NY 11691

NYC DEVELOPMENT HUB:



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources or small scale, one community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **Flowways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or **Summary of Stillwater Elevations** tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accuracy of flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of engineering and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to landward of 0.17 North American Vertical Datum of 1988 (NAVD 88). Users of the FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on the FIRM.

Boundaries of the Flowways were computed at cross sections and interpolated between cross sections. The flowways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Flowway widths and other pertinent flowway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was New York Long Island State Plane FIPSZONE 1804. The horizontal datum was NAD 83 (GRS80) spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight discrepancies in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NCA, NING212
National Geodetic Survey
SSMC-3, #2022
1315 East-West Highway
Silver Spring, Maryland 20910-182
(301) 713-3392

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3392, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York (CITY). This information was derived from digital orthophoto products at a scale of 1:250 with 2-foot pixel resolution from photography dated April 2008.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The flowways and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contain authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes in corporate boundaries may have occurred after the map was published, map users should contact appropriate community officials to determine current corporate limit locations. Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LMAWA)**. The LMAWA represents the approximate limit of the 1.5-foot limiting wave. The effects of wave heights between the VE Zone and the LMAWA (or between the shoreline and the LMAWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at <http://www.fema.gov>. Available products may include primarily latest Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be accessed or ordered directly from the MSC website.

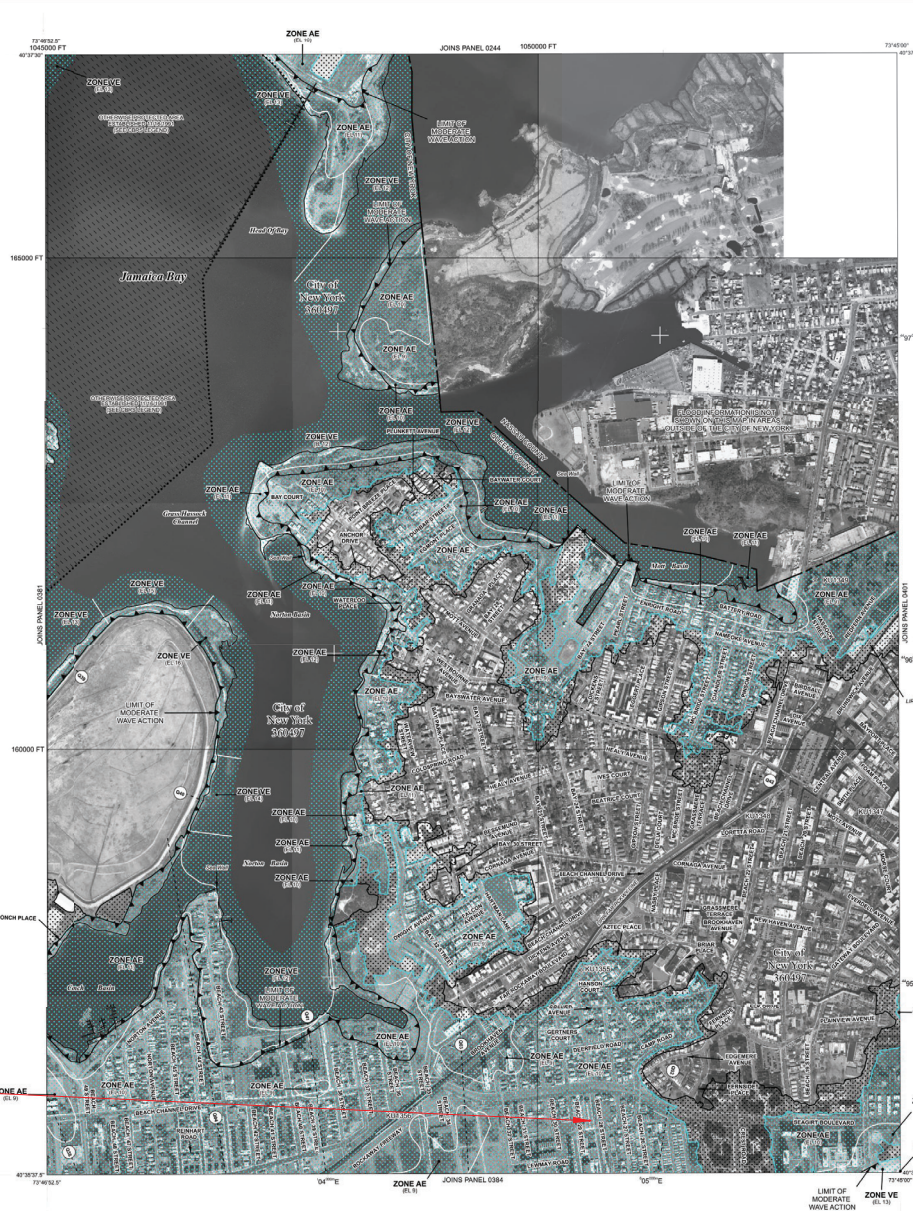
If you have **questions about this map**, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information Exchange (PMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business>.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) LEGEND

11-16-1991 Otherwise Protected Area (OPA)
FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 16, 1991, IN DESIGNATED OPA WITHIN THE CBRS.

Boundaries of the John H. Chafe Coastal Barrier Resources System (CBRS) shown on this FIRM were transferred from the official CBRS maps made for this area and are depicted on this FIRM for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and maintained by the U.S. Fish and Wildlife Service (FWS). The official CBRS maps used to determine whether or not an area is located within the CBRS are available for public inspection at <http://www.fws.gov>. For an official determination of whether or not an area is located within the CBRS, or for any questions regarding the CBRS, please contact the FWS field office for this area at (833) 776-1491.

PROPOSED SOLAR PANEL INSTALLATION LOCATION
2-07 B 28TH STREET,
QUEENS, NY 11691



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO BRUNATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood) is the flood that has a 1% chance of being equaled or exceeded in any given year. The special flood hazard area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones AE, A, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100, A101, A102, A103, A104, A105, A106, A107, A108, A109, A110, A111, A112, A113, A114, A115, A116, A117, A118, A119, A120, A121, A122, A123, A124, A125, A126, A127, A128, A129, A130, A131, A132, A133, A134, A135, A136, A137, A138, A139, A140, A141, A142, A143, A144, A145, A146, A147, A148, A149, A150, A151, A152, A153, A154, A155, A156, A157, A158, A159, A160, A161, A162, A163, A164, A165, A166, A167, A168, A169, A170, A171, A172, A173, A174, A175, A176, 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