



NOTICE OF WORK SESSION MEETING
(In compliance with Sec. 551.041, Et. Seq., Tex. Gov't. Code)

NOTICE is hereby given that the City of Jersey Village City Council of the City of Jersey Village, Texas will conduct a work session meeting at 5:30 p.m. on March 26, 2018, in the Civic Center, 16327 Lakeview Drive, Jersey Village, Texas.

ITEM(S) to be discussed and acted upon at this meeting is/are listed on the attached agenda.

AGENDA

- A. Call to Order and Announcement of Quorum. *Justin Ray, Mayor*
- B. Discuss and take appropriate action regarding the scope/design criteria for the Jersey Meadow Golf Course Berm Project as it relates to the Topographical Survey. *Austin Bleess, City Manager*
- C. Adjourn

CERTIFICATION

I, the undersigned authority, do hereby certify in accordance with the Texas Open Meeting Act, the Agenda is posted for public information, at all times, for at least 72 hours preceding the scheduled time of the meeting on the bulletin board located at City Hall, 16327 Lakeview, Jersey Village, TX 77040, a place convenient and readily accessible to the general public at all times, and said Notice was posted on the following date and time: March 21, 2018 at 10:15 a.m. and remained so posted until said meeting was convened.

Lorri Coody, City Secretary

In compliance with the Americans with Disabilities Act, the City of Jersey Village will provide for reasonable accommodations for persons attending public meetings. Request for accommodations must be made to the City Secretary by calling 713 466-2102 forty-eight (48) hours prior to the meetings. Agendas are posted on the Internet Website at www.jerseyvillage.info.



**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: March 26, 2018

AGENDA ITEM: B

AGENDA SUBJECT: Discuss and take appropriate action regarding the scope/design criteria for the Jersey Meadow Golf Course Berm Project as it relates to the Topographical Survey.

Department/Prepared By: Austin Bleess, City Manager **Date Submitted:** March 20, 2018

EXHIBITS: [FEMA – Full Aerial Map](#)
[FEMA FIRM Map](#)
[JV – Stage Storage Contours](#)

BUDGETARY IMPACT:	Required Expenditure:	\$0
	Amount Budgeted:	\$0
	Appropriation Required:	\$0

CITY MANAGER APPROVAL: AB

BACKGROUND INFORMATION:

We have the survey results from the Golf Course before the Council tonight. The maps also show where water would be contained depending on the different heights of the berm.

A berm at the height of 107’ would contain 105.6 acre feet of water. The Long Term Flood Recovery Plan had recommended a berm at a height of 108’, which would have approximately 8” of freeboard to it. So the effective water level would have been 107.3’. The plan thought it would hold 152.5 acre feet of water.

If we dredge out some of the ponds or expand some of the ponds to use the dirt to help construct the berm that would create more space in them, thereby adding to the amount of water that could be contained. We could also look at adding a new pond where the old tennis courts used to be.

One thought on the creation of the berm was to elevate the cart paths and use that as the berm. It may work well for a berm in some locations along the course, but certainly not all.

Based upon the survey results, and assuming a berm at the height of 107’, we would anticipate the berm to be approximately 2’ high along the majority of Rio Grande, and behind the homes on Village Drive. It also looks like we might need a berm of about 1’ along the entrance driveway.

The City Engineer will be here this evening to help answer questions the Council may have on this.

Tonight we should accomplish a general path for the berm, and perhaps some ideas to incorporate it into the golf course. Next steps would be to get a construction cost estimate on a berm based upon our discussion tonight from the City Engineer.

RECOMMENDED ACTION:

Discuss and take appropriate action regarding the scope/design criteria for the Jersey Meadow Golf Course Berm Project as it relates to the Topographical Survey.

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 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. 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 shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table 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 in this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator, Zone 15. The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM 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 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
NOAA, NINGS12
National Geodetic Survey
SSM3-3, #202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(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 their website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by the Harris Galveston Area Council and was revised and enhanced by Harris County.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains 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 contains authoritative hydraulic data) may reflect stream channel studies 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 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 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.

For information on available products associated with this FIRM visit the **FEMA Map Service Center (MSC)** website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained 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 (FMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/mfp>.

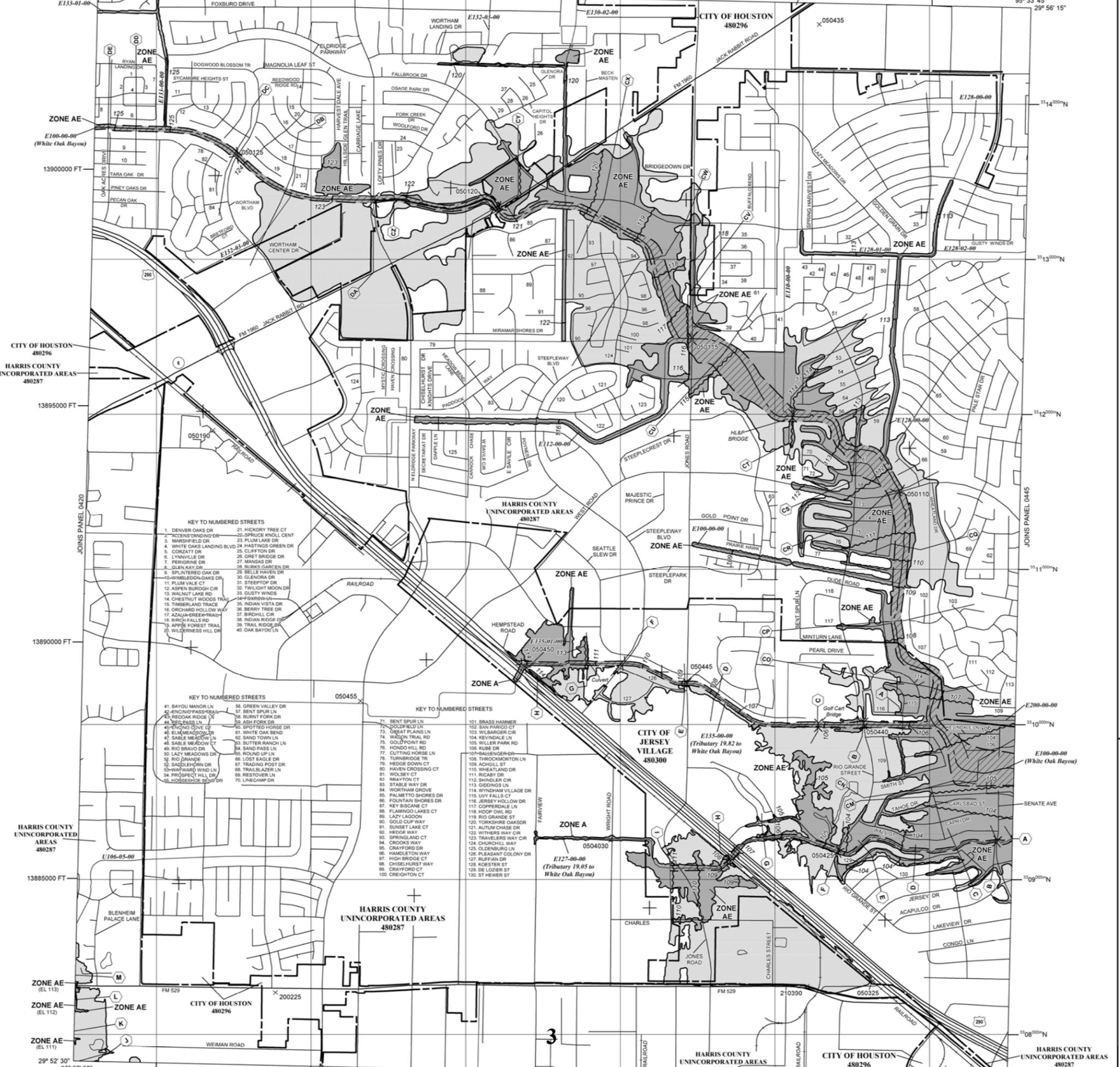
Vertical Datum Adjustment due to subsidence is the 2001 adjustment.

Benchmarks shown on this map were provided by either Harris County or the National Geodetic Survey. To obtain elevation, description, and location information for benchmarks provided by Harris County, please contact the Permits Office of the Public Infrastructure Department at (713) 956-3000 or visit their website at <http://www.eng.hctx.net/permits>. For information regarding the benchmarks provided by the National Geodetic Survey, please see note above.

Some bridges and other structures shown on the detailed studied streams are not labeled. See corresponding flood profile for appropriate name.

HARRIS COUNTY UNINCORPORATED AREAS 480287

13885000 FT



The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equalled 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 A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations 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 sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment 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 determined to be outside the 0.2% annual chance floodplain. 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.

- Floodplain boundary
- Floodway boundary
- Zone D Boundary
- CBRS and OPA Boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

- *Referenced to the North American Vertical Datum of 1988
- A — A — Cross section line
- 23 — 23 — Transect line
- — — — — Culvert, Flume, Stenock or Aqueduct
- — — — — Road or Railroad Bridge
- — — — — Footbridge

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
1000-meter Universal Transverse Mercator grid values, zone 15
5000-foot grid ticks: Texas State Plane coordinate system, zone South Central (FIPSZONE 4204), Lambert
Conformal Conic Projection
Bench mark (see explanation in Notes to Users section of this FIRM panel)
• MLS
River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index.

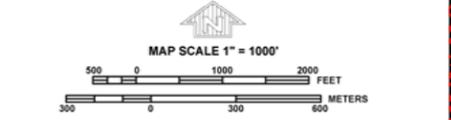
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP PANEL
SEPTEMBER 30, 1992
NOVEMBER 6, 1996
APRIL 20, 2000
JUNE 18, 2007
OCTOBER 15, 2013
JUNE 9, 2014

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For accompanying Reasons for Revision, refer to the Notice to Flood Insurance Study Users page in the Flood Insurance Study report.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



500 0 1000 2000 FEET
300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM PANEL 0440M

FIRM
FLOOD INSURANCE RATE MAP
HARRIS COUNTY, TEXAS AND INCORPORATED AREAS
PANEL 440 OF 1150
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS	COMMUNITY	NUMBER	PANEL	SUFFIX
HARRIS COUNTY	UNINCORPORATED AREAS	480287	0440	M
HOUSTON, CITY OF		480296	0440	M
JERSEY VILLAGE, CITY OF		480300	0440	M

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 48201C0440M

MAP REVISED JUNE 9, 2014



CITY COUNCIL WORK SESSION MEETING PACKET FOR MARCH 26, 2018

National Flood Hazard Layer FIRMette



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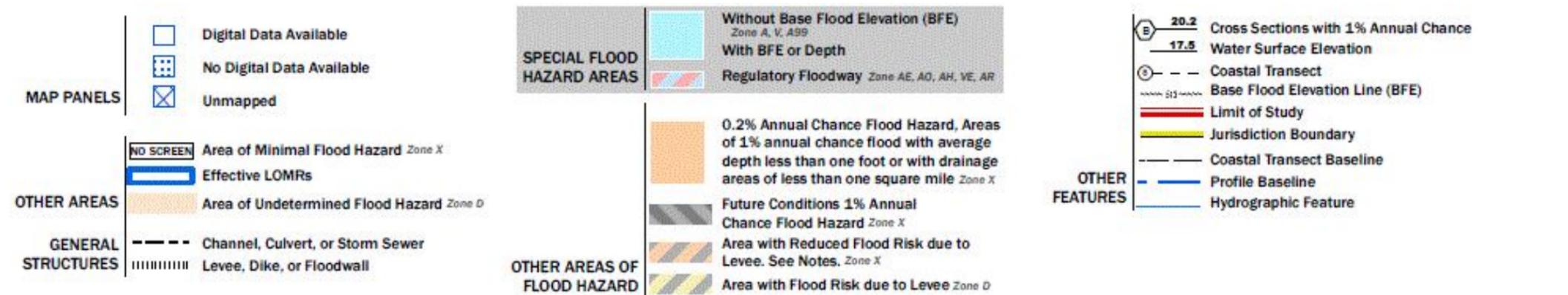
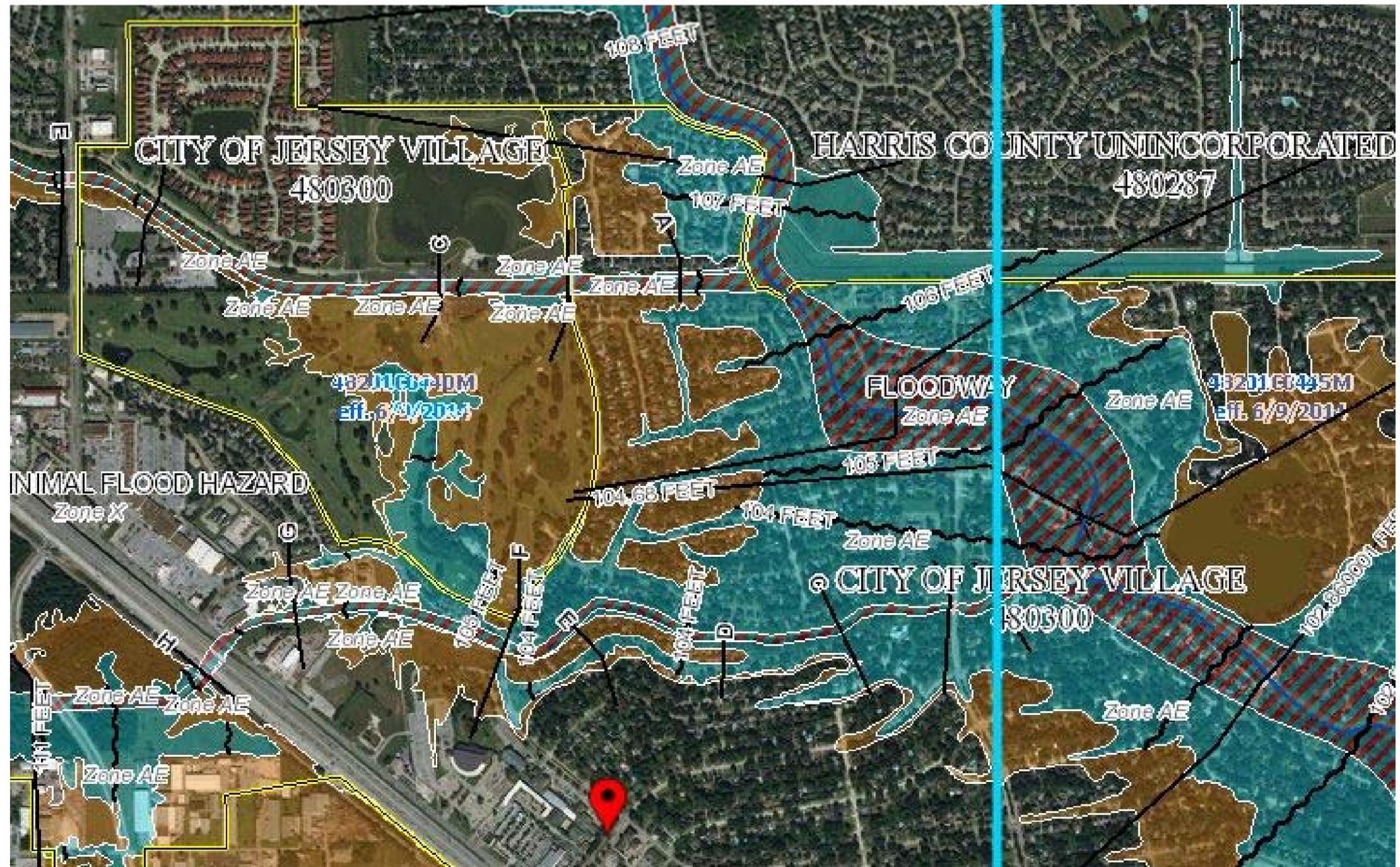
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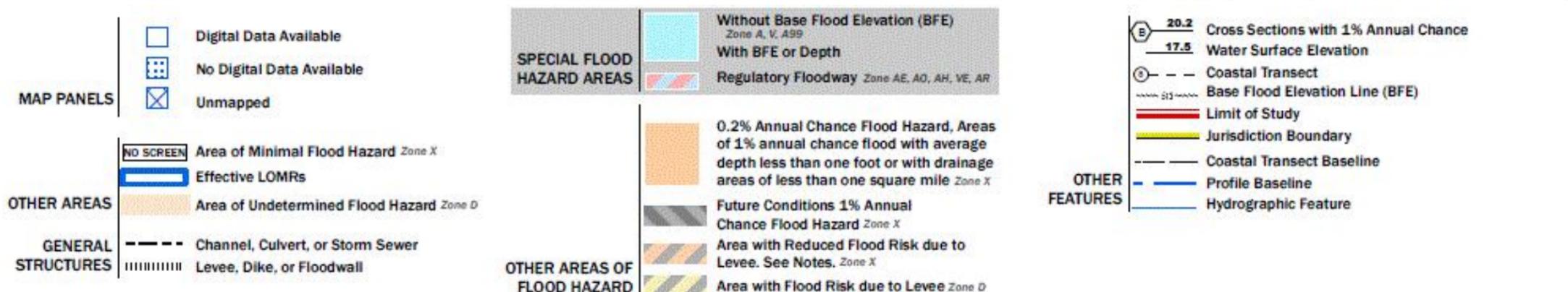
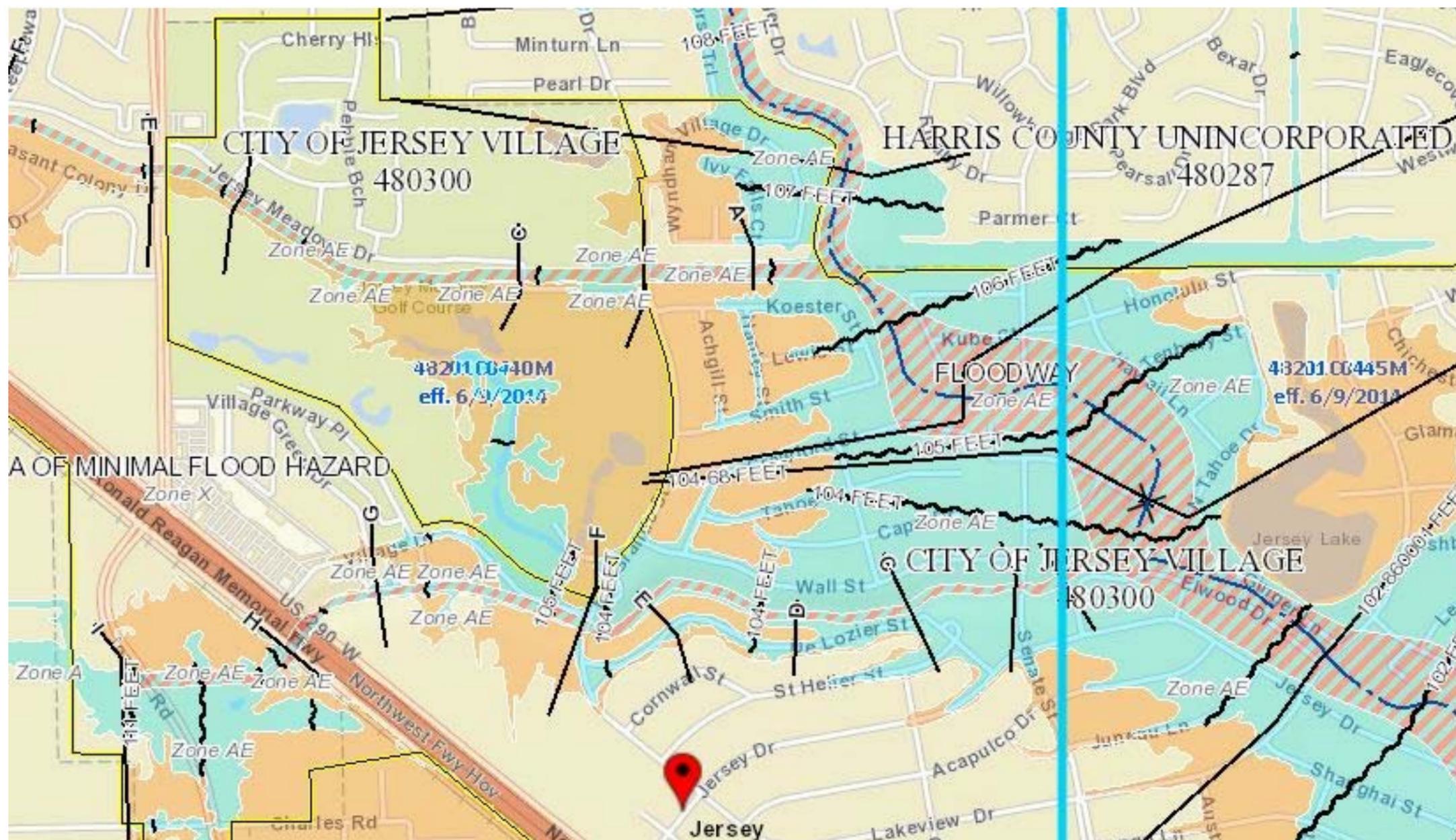
LOMC Batch Files

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Contact MSC Help





CITY OF JERSEY VILLAGE
 GOLF COURSE
 LIMITED
 TOPOGRAPHIC SURVEY

W EST BELT
 SURVEYING, INC.
 2007-2018

"PRELIMINARY, THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY PRODUCT"



LEGEND	STAGE STORAGE (AC-FT)	IMPACT AREA (ACRE)	PERCENT IMPACT (%)
105 CONTOUR	18.1	24.3	18.9
* --- 105 - 100 YEAR FLOOD ELEVATION			

105 CONTOUR

JV GOLF COURSE
 STAGE STORAGE ANALYSIS

NO.	DATE	REVISIONS	BY

DRAWN BY: SG CHECKED BY: FB
 PROJECT NO.: XXX-XXXX DATE: 03/14/2018
 SCALE: 1" = 120' SHEET 2 OF 5



CITY OF JERSEY VILLAGE
 GOLF COURSE
 LIMITED
 TOPOGRAPHIC SURVEY

W EST BELT
 SURVEYING, INC.
 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

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LEGEND	STAGE STORAGE (AC-FT)	IMPACT AREA (ACRE)	PERCENT IMPACT (%)
106 CONTOUR	56.5	58.4	45.3
* - - - 105 - 100 YEAR FLOOD ELEVATION			

106 CONTOUR

JV GOLF COURSE
 STAGE STORAGE ANALYSIS

NO.	DATE	REVISIONS	BY

DRAWN BY: SG CHECKED BY: FB
 PROJECT NO.: XXX-XXXX DATE: 03/14/2018
 SCALE: 1" = 120' SHEET 3 OF 5



CITY OF JERSEY VILLAGE
 GOLF COURSE
 LIMITED
 TOPOGRAPHIC SURVEY
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 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

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LEGEND	STAGE STORAGE (AC-FT)	IMPACT AREA (ACRE)	IMPACT AREA (%)
106.5 CONTOUR	87.4	72.0	55.8
* - - - 105 - 100 YEAR FLOOD ELEVATION			

106.5 CONTOUR
 JV GOLF COURSE
 STAGE STORAGE ANALYSIS

NO.	DATE	REVISIONS	BY

DRAWN BY: SG CHECKED BY: FB
 PROJECT NO.: XXX-XXXX DATE: 03/14/2018
 SCALE: 1" = 120' SHEET 4 OF 5



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LEGEND	STAGE STORAGE (AC-FT)	IMPACT AREA (ACRE)	IMPACT AREA (%)
107 CONTOUR	105.6	86.6	67.2
* - - - 105 - 100 YEAR FLOOD ELEVATION			

107 CONTOUR
 JV GOLF COURSE
 STAGE STORAGE ANALYSIS

NO.	DATE	REVISIONS	BY

DRAWN BY: SG CHECKED BY: FB
 PROJECT NO.: XXX-XXXX DATE: 03/14/2018
 SCALE: 1" = 120' SHEET 5 OF 5