

Appendix C – Field Data Collection Suggested Equipment and Forms

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Suggested Field Equipment

- Laptop with the NT installed and up to date NFIP data imported
- Handheld GPS unit
- Digital camera
- Mapped travel route
- Area road maps and FIRMs

Address and Updates Tab

Property Locator / Repetitive Loss #: _____

Address Updates:

Incorrect Community and/or Address

Community _____

CID _____

Notes: _____

Street # _____ Directional _____ St Type _____ Unit _____

Street Name _____

City _____ State _____ Zip _____

County _____

Mitigation Updates:

- | | Field | Field |
|---------------------------|--------------------------|--|
| Unable to Locate Property | <input type="checkbox"/> | |
| Flood Protection Provided | <input type="checkbox"/> | 1: (Circle One) |
| | | <ul style="list-style-type: none"> a. The building was elevated to or above the Base Flood Elevation (BFE). b. The building was elevated, but not to the BFE. c. The building (non-residential) was floodproofed to the BFE. d. The building was partially floodproofed (but, not to the BFE). e. The building was protected by a flood control/stormwater management project. f. The building was replaced by a new elevated/floodproofed building. |
| No Building on Property | <input type="checkbox"/> | 2: (Circle One) |
| | | <ul style="list-style-type: none"> g. The building was demolished, but not acquired through any program. h. The building was acquired and demolished as part of a program. i. The building was relocated out of the floodplain. |
| Historic Building | <input type="checkbox"/> | 3: (Circle One) |
| | | <ul style="list-style-type: none"> j. Hazard Grant Mitigation Program (HMGP) k. Flood Mitigation Assistance Program (FMA) l. Pre-Disaster Mitigation Grant Program (PDM) m. Repetitive Flood Claims (RFC) n. Sever Repetitive Loss Program (SRL) o. Section 1362 Acquisition Program p. Other FEMA Programs q. Increased Cost of Compliance (ICC) Coverage r. U.S. Housing & Urban Development (HUD) Community |

- Development Block Grant (CDBG)
- s. U.S. Army Corps of Engineers or Natural Resources Conservation Services (NRCS) Project
- t. Other Federal Program
- u. State Program
- v. Local Program
- w. Property Owner
- x. Natural Disaster or Fire
- y. Unknown

4: (Circle One) [If not available or unknown, circle letter "y"]

- j. Hazard Grant Mitigation Program (HMGP)
- k. Flood Mitigation Assistance Program (FMA)
- l. Pre-Disaster Mitigation Grant Program (PDM)
- m. Repetitive Flood Claims (RFC)
- n. Sever Repetitive Loss Program (SRL)
- o. Section 1362 Acquisition Program
- p. Other FEMA Programs
- q. Increased Cost of Compliance (ICC) Coverage
- r. U.S. Housing & Urban Development (HUD) Community Development Block Grant (CDBG)
- s. U.S. Army Corps of Engineers or Natural Resources Conservation Services (NRCS) Project
- t. Other Federal Program
- u. State Program
- v. Local Program
- w. Property Owner
- x. Natural Disaster or Fire
- y. Unknown

Notes: _____

Additional Research Needed Notes: _____

Mitigation Observed: *(Select one)*

- | | |
|---|--|
| <input type="checkbox"/> Structure appears to have been elevated | <input type="checkbox"/> Flood control project should have reduced the threat |
| <input type="checkbox"/> Structure appears to have been floodproofed | <input type="checkbox"/> Owner/neighbor/local official report mitigation actions |
| <input type="checkbox"/> There is a floodwall, berm, or other type of barrier | <input type="checkbox"/> Further Research Required |
| <input type="checkbox"/> Lower area subject to damage appears to have been modified | <input type="checkbox"/> Other (explain in notes) |
| <input type="checkbox"/> Drainage improvements appear to have been made | |

Notes: _____

Mitigation Verified* Yes No N/A Notes: _____

**(Verification of FEMA data observed in the field)*

Duplicate Listing / with Property Locator # _____

Site Observations Tab

Property Locator / Repetitive Loss #: _____

Inspection Date: _____ / _____ / _____

Inspector: _____

Latitude: _____ +/- _____

Longitude: _____ +/- _____

No. of Stories _____

Basement

Occupied: Yes No Seasonal

- Neighborhood:
- Commercial Highway
 - Commercial Office
 - Commercial Retail/Downtown
 - Heavy Industrial
 - Light Industrial
 - Residential – high density (multi family/apts)
 - Residential – low density (single family)
 - Residential – medium density (2-family/townhouses, rowhouses)
 - Rural residential

- Residence:
- Primary
 - Rental
 - Seasonal

- Fill:
- Below Street Grade
 - None
 - 0-1 Feet
 - 1-2 Feet
 - 2-3 Feet
 - 3-4 Feet
 - >4 Feet

- Elevated:
- Not Applicable
 - At Grade
 - 0-1 Feet
 - 1-2 Feet
 - 2-3 Feet
 - 3-4 Feet
 - 4-6 Feet
 - 6-8 Feet
 - 8-12 Feet
 - >12 Feet

Land Use:

- Single-family residential
- 2-4 family residential
- Multifamily residential (5 or more units)
- Commercial (highway, office, retail, downtown)
- Industrial (light, heavy)
- Institutional (hospitals, churches)
- Educational (schools, colleges)
- Non-profit
- Public
- Semi-Public
- Transportation
- Other (explain in notes)

Notes: _____

Adequate Vents Present: Yes No N/A Undetermined

Spoke with: Owner/Occupant
 Neighbor

- Flooding this site have community-wide implications

If box is checked, select one:

- Important for flood warning/response (e.g. lumber supply companies)
- Important for disaster recovery
- Important for public health (e.g. wastewater treatment plant)
- Contains hazardous materials
- Contains special population (e.g. nursing home)
- Important utility service
- Other (explain in notes)

Notes: _____

Structure Type:

- | | |
|--|---|
| <input type="checkbox"/> Wood frame | <input type="checkbox"/> Unreinforced concrete |
| <input type="checkbox"/> Engineered wood frame | <input type="checkbox"/> Masonry |
| <input type="checkbox"/> Steel | <input type="checkbox"/> Reinforced Masonry |
| <input type="checkbox"/> Light steel | <input type="checkbox"/> Unreinforced Masonry |
| <input type="checkbox"/> Heavy steel | <input type="checkbox"/> Manufactured home |
| <input type="checkbox"/> Concrete | <input type="checkbox"/> Modular Housing |
| <input type="checkbox"/> Reinforced concrete | <input type="checkbox"/> Other (explain in notes) |

Notes: _____

- Condition of Structure: Good (optional minor repairs) Fair (needs minor repairs)
- Poor (needs significant repairs)

Foundation Type:

- Slab-on-grade
- Basement sub-grade on all sides
- Basement sub-grade with windows
- Basement with walkout
- Split-level - slab-on-grade
- Split-level
- Piers, posts, piles, columns, or parallel shear walls
- Piers, posts, piles, columns, or parallel shear walls w/ full or partial enclosure
- Elevated foundation walls w/full or partial enclosure
- Crawlspace – floor at or above grade on at least 1 side
- Other (explain in notes)
- Unable to determine

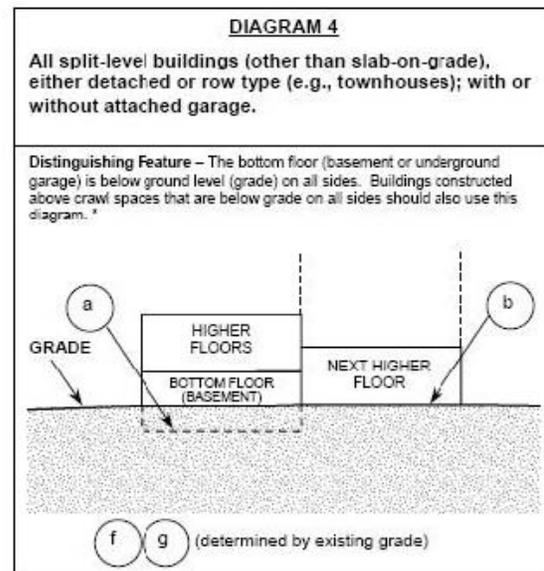
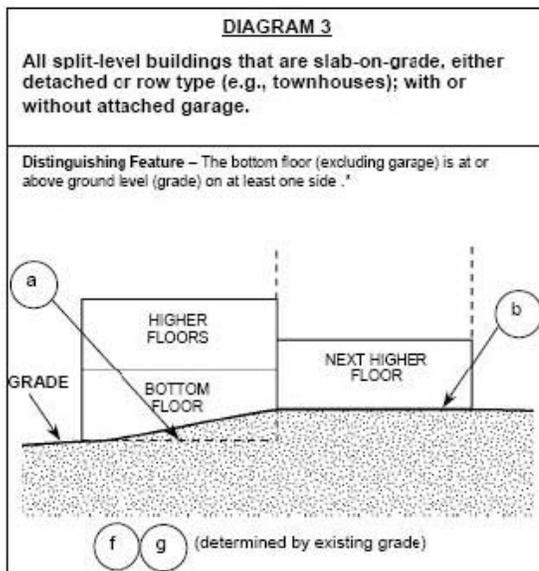
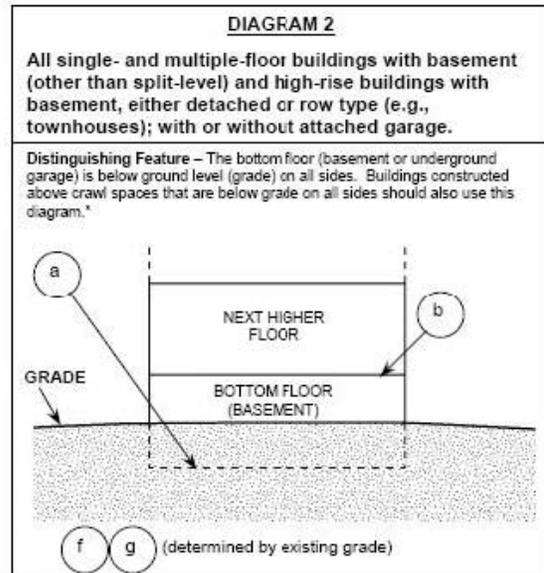
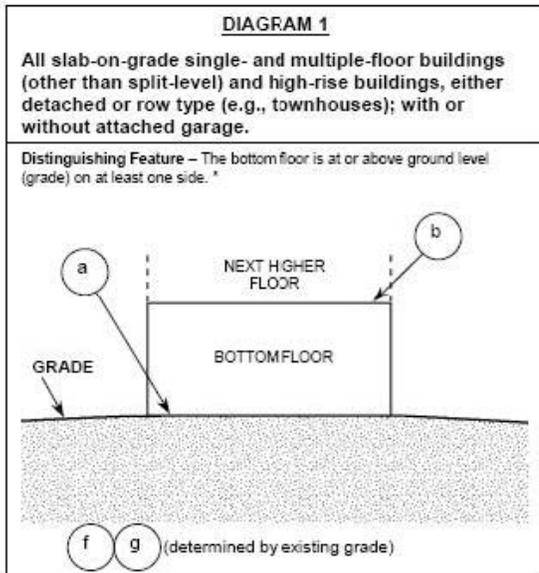
Notes: _____

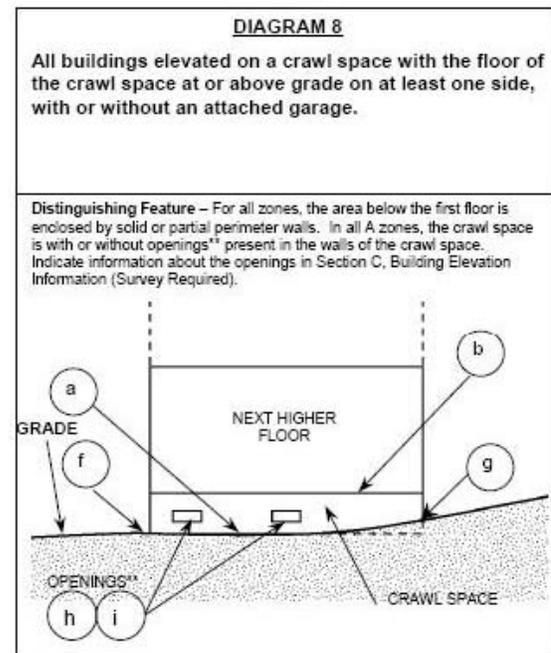
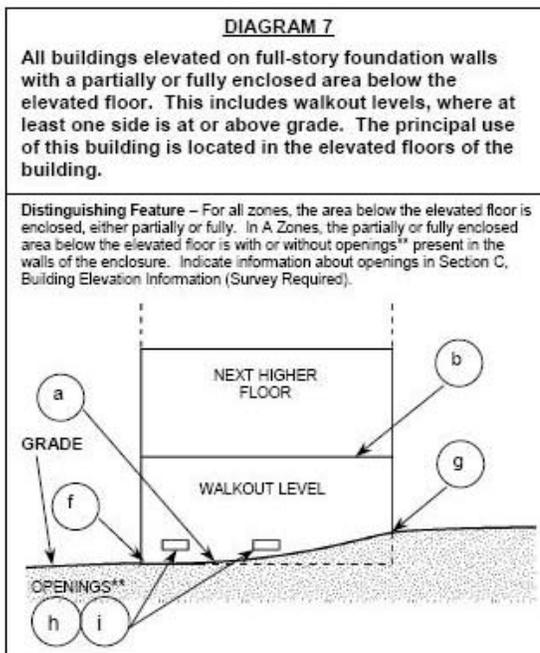
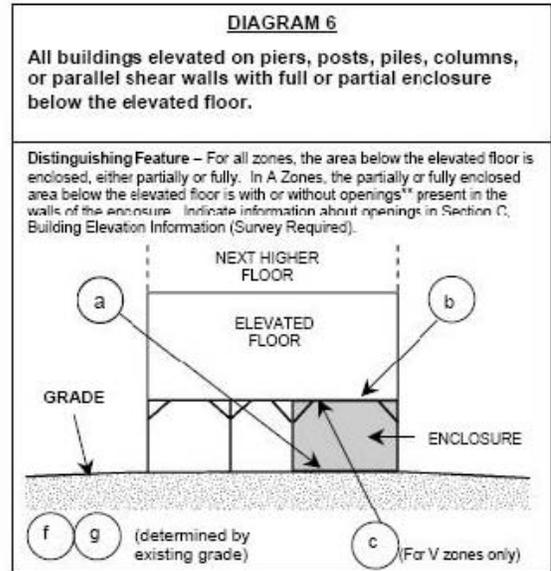
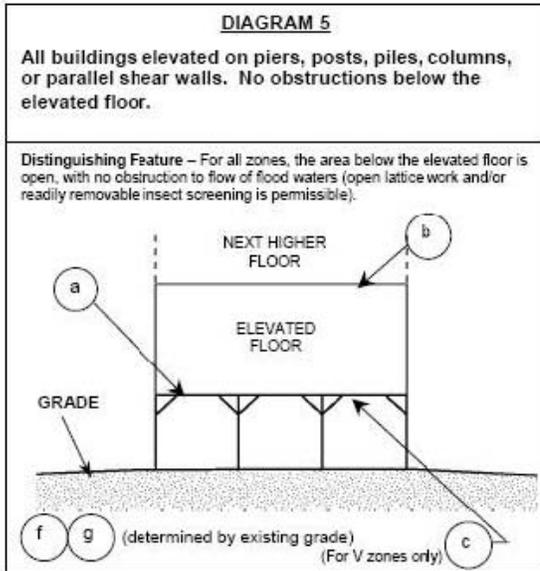
- Condition of Foundation: Good (optional minor repairs)
- Fair (needs minor repairs)
- Poor (needs significant repairs)
- Needs further investigation

EC Diagram Number: _____

(See diagrams that follow and select one)

1. Slab-on-grade
 2. Basement
 3. Split level slab-on-grade
 4. Other split level
 5. Piers, posts, piles, columns, parallel shear walls
 6. Piers, posts, piles, columns, parallel shear walls with enclosure
 7. Full story foundation walls with enclosure
 8. Crawlspace
- Unable to determine





- Appurtenant Structure: Carport Detached Garage Other
 Deck Shed None Observed

Notes: _____

- | | | |
|-------|---|---|
| HVAC: | Machinery: <i>(Select all that apply)</i> | Ductwork: <i>(Select all that apply)</i> |
| | <input type="checkbox"/> Crawlspace/under elevated floor | <input type="checkbox"/> Crawlspace/under elevated floor |
| | <input type="checkbox"/> Inside-in basement | <input type="checkbox"/> Inside-in basement |
| | <input type="checkbox"/> Inside-on first floor | <input type="checkbox"/> Inside-on first floor |
| | <input type="checkbox"/> Inside-on second floor or higher | <input type="checkbox"/> Inside-on second floor or higher |
| | <input type="checkbox"/> Outside-At/close to grade | <input type="checkbox"/> Outside-At/close to grade |
| | <input type="checkbox"/> Outside-Lower than first floor | <input type="checkbox"/> Outside-Lower than first floor |
| | <input type="checkbox"/> Outside-Higher than first floor | <input type="checkbox"/> Outside-Higher than first floor |
| | <input type="checkbox"/> Cannot tell | <input type="checkbox"/> Cannot tell |
| | <input type="checkbox"/> Other (explain in notes) | <input type="checkbox"/> Other (explain in notes) |

Notes: _____

Flood Risk and Mitigation Possibilities Tab

Property Locator / Repetitive Loss #: _____

FIRM Index Date: _____

Panel # and Date: _____ / _____ / _____

Flood Zone:

BFE/Depth _____

- A B/XShaded
- AE A1-30 C/XShaded
- AH D
- AO V
- AR VE V1-30
- A99

Notes: _____

Vertical Datum: _____

Likely Source of Flooding:

- Stream or other source of riverine flooding
- Ocean, lake or other source of coastal flooding
- Sheet flow
- Natural drainage - Site is flat or drains poorly
- Natural drainage - Ponding, or site is low or site is in a bowl
- Natural drainage- Exceptionally heavy precipitation overwhelmed drainage system
- Drainage System - Undersized culvert or inadequate drainage feature downstream
- Drainage System - Drainage from lot is blocked by roadbed or other feature
- Drainage System - System can't handle runoff from recent upstream development
- Sewer backup
- Cannot tell
- Other (explain in notes)

Notes: _____

Likely Areas of Flood Damage:

- Water over 1st floor - Flood level higher than floor level
- Water over 1st floor - Building is on slab close to grade
- Water below 1st floor - Water in crawlspace
- Water below 1st floor - Water in enclosed area below elevated floor
- Water in areas below grade - Building is a bilevel, split level or has finished areas below grade
- Water in areas below grade - Building has basement with below grade window wells or stairwell
- Water in areas below grade - Building has basement, no obvious entry point for water
- Damage to items outside the structure-Likely damage to deck, bulkhead, etc.
- Damage to items outside the structure - Outside A/C unit is low
- Damage to items outside the structure - Storage tanks present
- Cannot tell
- Other (explain in notes)

Notes: _____

Potential Hydraulics Impacts: *(Select all that apply)*

- | | |
|--|---|
| <input type="checkbox"/> Low Bridge | <input type="checkbox"/> Levees |
| <input type="checkbox"/> Culvert(s) | <input type="checkbox"/> Run off from U/S dev. |
| <input type="checkbox"/> Storm Drainage System | <input type="checkbox"/> Retention Basins |
| <input type="checkbox"/> Planned Projects | <input type="checkbox"/> Detention Basins |
| <input type="checkbox"/> Pump Stations | <input type="checkbox"/> Other (explain in notes) |
| <input type="checkbox"/> Dams | |

Notes: _____

Adequate Clearance

Mitigation Observations:

Possible mitigation measures observed

Pending mitigation actions: <i>(Select all that apply)</i>	Possible retrofitting project: <i>(Select all that apply)</i>	Possible flood control project: <i>(Select all that apply)</i>
<input type="checkbox"/> A pending flood control/drainage improvement project may mitigate the flooding <input type="checkbox"/> Community has plans to mitigate the structure <input type="checkbox"/> Owner has plans to mitigate the structure <input type="checkbox"/> Other (explain in notes)	<input type="checkbox"/> Structure may be elevated <input type="checkbox"/> Structure may be dry floodproofed <input type="checkbox"/> Structure may be wet floodproofed <input type="checkbox"/> Structure may be protected by a barrier <input type="checkbox"/> Structure may be acquired <input type="checkbox"/> Structure may be relocated	<input type="checkbox"/> Removal of undersized culvert or other downstream obstruction <input type="checkbox"/> Increased drainage capacity via channel or pumping improvements <input type="checkbox"/> Construction of a levee or other barrier <input type="checkbox"/> Construction of an upstream storage basin <input type="checkbox"/> Other (explain in notes)

No possible mitigation measures observed

Additional Notes: _____

Additional Site Information Tab

Property Locator/Repetitive Loss #: _____

Regulatory Requirements:

- Freeboard: 1.0 ft 3.0 ft
- 1.5 ft Other (explain in notes)
- 2.0 ft

Notes: _____

Code Height Restrictions Notes: _____

Compensatory Storage Requirements Notes: _____

Other Higher Regulatory Standards Notes: _____

Equipment/Contents:

Value of Equipment and Contents: \$ _____

Equipment - Describe contents, equipment or inventory of value: _____

Building Information:

Tax ID: _____

Construction Date: _____

Local Lot/Parcel ID: _____

Footprint (Sq. Ft) _____

Total Sq. Ft.: _____

Building Market Value:

Value: _____

Date of info: ____ / ____ / ____

Source: _____

- Source Type: Certified Appraiser Community Tax Record
- Other (explain in notes)

Notes: _____

Building Replacement Value:

Value: _____

Date of info: ____ / ____ / ____

Source: _____

Notes: _____

Land Value:

Value: _____

Date of info: ____ / ____ / ____

Source: _____

Source Type: Certified Appraiser Community Tax Record
 Other (explain in notes)

Notes: _____

Source of Information:

Date

- | | |
|--|---------------------|
| <input type="checkbox"/> Site Visit | _____ / ____ / ____ |
| <input type="checkbox"/> Engineering Study | _____ / ____ / ____ |
| <input type="checkbox"/> Local Official | _____ / ____ / ____ |
| <input type="checkbox"/> Owner | _____ / ____ / ____ |
| <input type="checkbox"/> Neighbor | _____ / ____ / ____ |

Notes: _____

Elevation and Hazard Tab

Property Locator/Repetitive Loss #: _____

EC or Elevation Data (Complete only if you have certified data):

Source of Information: _____

Map and Panel #: _____

Date of FIRM Index: _____

Building Diagram #: _____

BFE/Depth: _____

Flood Zones(s):

- A B/XShaded
- AE A1-30 C/XShaded
- AH D
- AO V
- AR VE V1-30
- A99

Vertical Datum: NGVD 1929 NAVD 1988 Other

Conversion/Comments: _____

Top of bottom floor: _____

Top of next higher floor: _____

Bottom of lowest horizontal structural member: _____

Attached garage: _____

Lowest elevation of machinery and/or equipment: _____

Lowest Adjacent Grade: _____

Highest Adjacent Grade: _____

No. of permanent openings: _____

Total area of permanent opening (flood vents): _____

Certifier's Information:

Name: _____

License Number: _____

Street Address: _____

Title: _____

Company Name: _____

City: _____ State: _____

Telephone Number: _____

Zip Code: _____

Notes: _____

Additional Flood Hazard Data:

Date of FIS: _____ / _____ / _____

Flash Flooding: Yes No Unknown

Flood Velocity: _____ ft/sec

Date of other source: _____ / _____ / _____

In floodway: Yes No Unknown

Describe source (if other than FIS):

Flood Zone Characteristics:

- Riverine
- Coastal
- Sheet flow
- Shallow floods
- Ponding
- Sewer backflow
- Ice jams
- Other

Notes: _____

Streambed Elevation from FIS: _____

Freq.	Q (cfs)	Elev (ft)
10 yr.	_____	_____
50 yr.	_____	_____
100 yr.	_____	_____
500 yr.	_____	_____

Depth of 100 yr flood at site: *(Automatically calculated by NT)*

(Flood depth is determined by subtracting the Lowest Adjacent Grad Elevation from the Base Flood Elevation.)

Notes: _____

Claims Tab

Property Locator/Repetitive Loss #: _____

Known Claims: *[Information provided by NFIP]*

(Claims with identical dates are displayed as one claim with all payments combined.)

Additional Claims Filed

Claims Update Required

Notes: _____

Missing Claims:

Loss Date	Building Payments	Contents Payments	Uninsured Contents	Uninsured Building

Insurance/Claim Information

[Found as an NT pop-up window OR going to View > Insurance/Claim Information]

Insurance Company Number: _____

NFIP Policy Number: _____

Premium: \$ _____

Notes: _____

Events and Total Damages Tab

[Add additional pages if needed for more events]

Property Locator/Repetitive Loss #: _____

(More important if detailed FIS information is not available)

Name of Occurrence: _____

Date of Event: ___ / ___ / ___

Frequency of Event: _____

Source of Frequency Determination: _____

Flood Depth: Very shallow, less than 1 ft. Deep, greater than 6 ft. Shallow, 1 – 3 ft. Moderate, 3 – 6 ft.

Flood Velocity: Slow/Moderate (<5 ft/s) Fast (>5 ft/s)

Flash flood (<1 hr) Ice/Debris Flow Declaration Declared

Question for the owner:

Were there pollutants in the flood waters that required any special cleanup? Yes No

Uninsured damages: Building: \$ _____ Contents: \$ _____

Name of Event: _____

Date of Occurrence: ___ / ___ / ___ Frequency: _____

Source of Frequency Determination: _____

Flood Depth: Very shallow, less than 1 ft. Deep, greater than 6 ft. Shallow, 1 – 3 ft. Moderate, 3 – 6 ft.

Flood Velocity: Slow/Moderate (<5 ft/s) Fast (>5 ft/s)

Flash flood (<1 hr) Ice/Debris Flow Declaration Declared

Question for the owner:

Were there pollutants in the flood waters that required any special cleanup? Yes No

Uninsured damages: Building: \$ _____ Contents: \$ _____

Name of Event: _____

Date of Occurrence: ___ / ___ / ___ Frequency: _____

Source of Frequency Determination: _____

Flood Depth: Very shallow, less than 1 ft. Deep, greater than 6 ft. Shallow, 1 – 3 ft. Moderate, 3 – 6 ft.

Flood Velocity: Slow/Moderate (<5 ft/s) Fast (>5 ft/s)

Flash flood (<1 hr) Ice/Debris Flow Declaration Declared

Question for the owner:

Were there pollutants in the flood waters that required any special cleanup? Yes No

Uninsured damages: Building: \$ _____ Contents: \$ _____

LIMITED DATA VIEW

Address and Updates Tab

Address Updates

State: All 50 states plus the District of Columbia and 7 U.S. territories:

AK	Alaska	KY	Kentucky	NY	New York
AL	Alabama	LA	Louisiana	OH	Ohio
AR	Arkansas	MA	Massachusetts	OK	Oklahoma
AZ	Arizona	MD	Maryland	OR	Oregon
CA	California	ME	Maine	PA	Pennsylvania
CO	Colorado	MI	Michigan	RI	Rhode Island
CT	Connecticut	MN	Minnesota	SC	South Carolina
DC	District of Columbia	MO	Missouri	SD	South Dakota
DE	Delaware	MS	Mississippi	TN	Tennessee
FL	Florida	MT	Montana	TX	Texas
GA	Georgia	NC	North Carolina	UT	Utah
HI	Hawaii	ND	North Dakota	VA	Virginia
IA	Iowa	NE	Nebraska	VT	Vermont
ID	Idaho	NH	New Hampshire	WA	Washington
IL	Illinois	NJ	New Jersey	WI	Wisconsin
IN	Indiana	NM	New Mexico	WV	West Virginia
KS	Kansas	NV	Nevada	WY	Wyoming
AS	American Samoa			NoM	Northern Mariana Islands
DC	District of Columbia			PR	Puerto Rico
FSM	Federated States of Micronesia			RMI	Republic of the Marshall Islands
GU	Guam			VI	Virgin Islands

Mitigation Updates

Field 1:

- a. The building was elevated to or above the base flood elevation (BFE).
- b. The building was elevated, but not to the BFE.
- c. The building (non-residential) was floodproofed to the BFE.
- d. The building was partially floodproofed (but not to the BFE).
- e. The building was protected by a flood control/stormwater management project.
- f. The building was replaced by a new elevated/floodproofed building.

Field 2:

- g. The building was demolished, but not acquired through any program.
- h. The building was acquired and demolished as part of a program.
- i. The building was relocated out of the floodplain.

Field 3:

- j. Hazard Grant Mitigation Program (HMGP)
- k. Flood Mitigation Assistance Program (FMA)
- l. Pre-Disaster Mitigation Grant Program (PDM)
- m. Repetitive Flood Claims (RFC)
- n. Sever Repetitive Loss Program (SRL)
- o. Section 1362 Acquisition Program
- p. Other FEMA Programs
- q. Increased Cost of Compliance (ICC) Coverage
- r. U.S. Housing & Urban Development (HUD) Community Development Block Grant (CDBG)
- s. U.S. Army Corps of Engineers or Natural Resources Conservation Services (NRCS) Project
- t. Other Federal Program
- u. State Program

Drop Down Menus

- v. Local Program
- w. Property Owner
- x. Natural Disaster or Fire
- y. Unknown

Field 4:

- j. Hazard Grant Mitigation Program (HMGP)
- k. Flood Mitigation Assistance Program (FMA)
- l. Pre-Disaster Mitigation Grant Program (PDM)
- m. Repetitive Flood Claims (RFC)
- n. Sever Repetitive Loss Program (SRL)
- o. Section 1362 Acquisition Program
- p. Other FEMA Programs
- q. Increased Cost of Compliance (ICC) Coverage
- r. U.S. Housing & Urban Development (HUD) Community Development Block Grant (CDBG)
- s. U.S. Army Corps of Engineers or Natural Resources Conservation Services (NRCS) Project
- t. Other Federal Program
- u. State Program
- v. Local Program
- w. Property Owner
- x. Natural Disaster or Fire
- y. Unknown

Site Observations Tab

Neighborhood:

Commercial Highway
Commercial Office
Commercial Retail/Downtown
Heavy Industrial
Light Industrial
Residential – high density (multi family/apts)
Residential – low density (single family)
Residential – medium density (2-family/townhouses, rowhouses)
Rural residential

Elevated:

Not Applicable
At Grade
0-1 Feet
1-2 Feet
2-3 Feet
3-4 Feet
4-6 Feet
6-8 Feet
8-12 Feet
>12 Feet

Land Use:

Single-family residential
2-4 family residential
Multifamily residential (5 or more units)
Commercial (highway, office, retail, downtown)
Industrial (light, heavy)
Institutional (hospitals, churches)
Educational (schools, colleges)

Non-profit
Public
Semi-Public
Transportation
Other (explain in notes)

Flooding this site will have community-wide implications:

Important for flood warning/response (e.g. lumber supply companies)
Important for disaster recovery
Important for public health (e.g. wastewater treatment plant)
Contains hazardous materials
Contains special population (e.g. nursing home)
Important utility service
Other (explain in notes)

Structure Type:

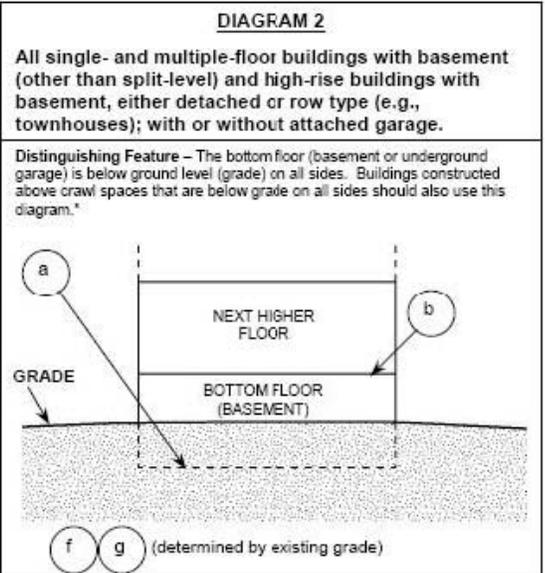
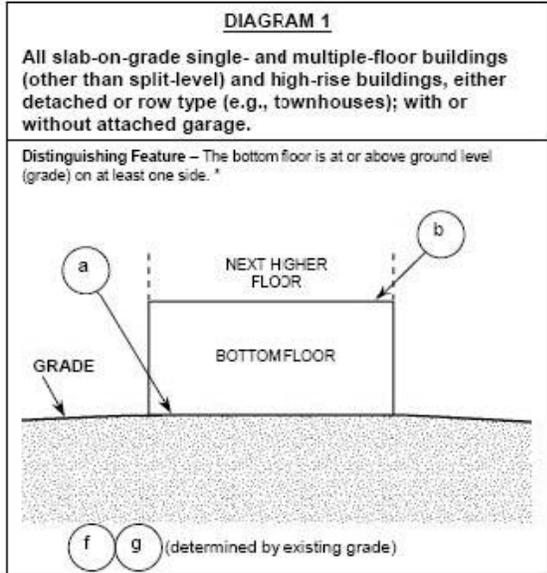
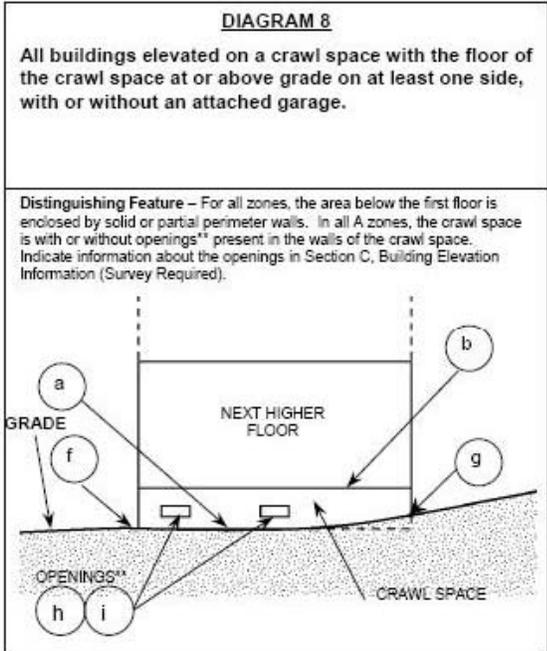
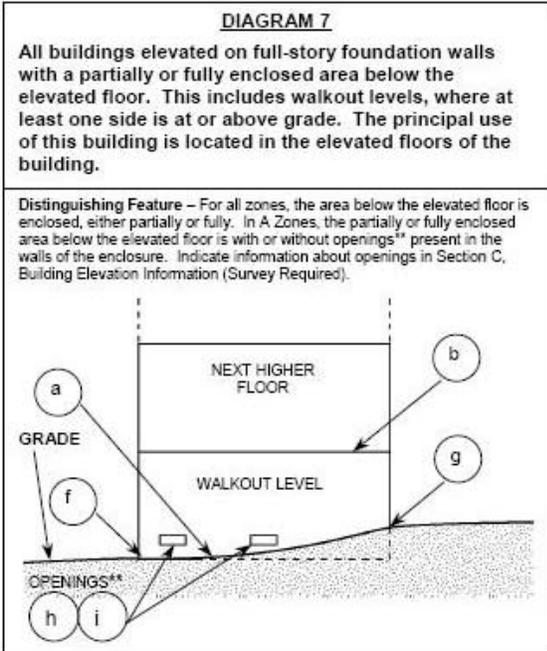
Wood frame
Engineered wood frame
Steel
Light steel
Heavy steel
Concrete
Reinforced concrete
Unreinforced concrete
Masonry
Reinforced Masonry
Unreinforced Masonry
Manufactured home
Modular Housing
Other (explain in notes)

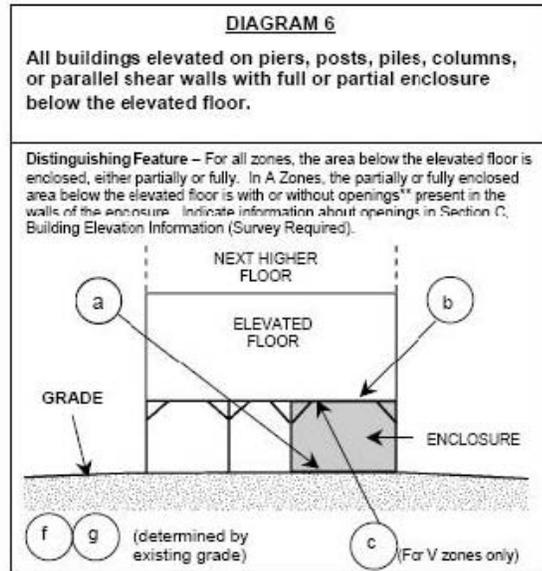
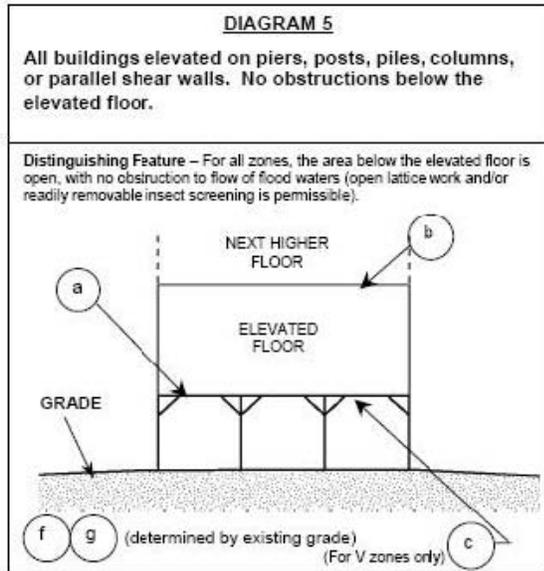
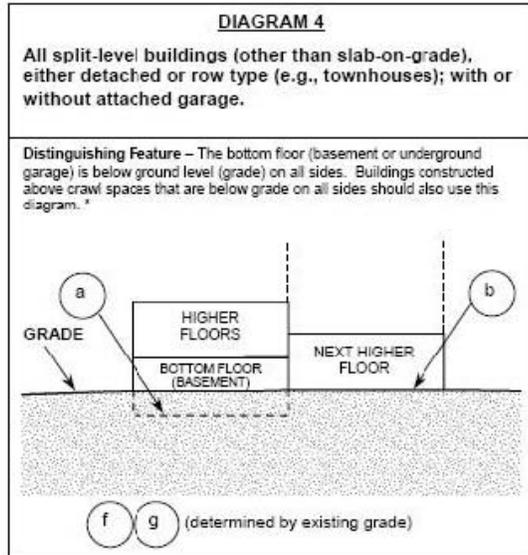
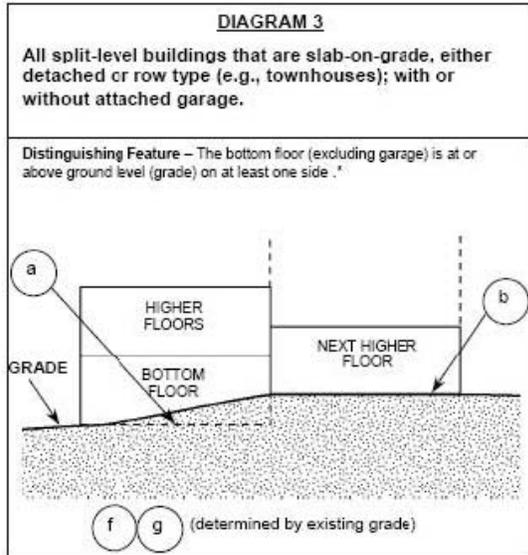
Foundation Type:

Slab-on-grade
Basement sub-grade on all sides
Basement sub-grade with windows
Basement with walkout
Split-level - slab-on-grade
Split-level
Piers, posts, piles, columns, or parallel shear walls
Piers, posts, piles, columns, or parallel shear walls w/ full or partial enclosure
Elevated foundation walls w/full or partial enclosure
Crawlspace – floor at or above grade on at least 1 side
Other (explain in notes)
Unable to determine

Elevation Diagram No. (See diagrams that follow)

1. Slab-on-grade
2. Basement
3. Split level slab-on-grade
4. Other split level
5. Piers, posts, piles, columns, parallel shear walls
6. Piers, posts, piles, columns, parallel shear walls with enclosure
7. Full story foundation walls with enclosure
8. Crawlspace
Unable to determine





HVAC

Machinery (select all that apply):

- Crawlspace/under elevated floor
- Inside-in basement
- Inside-on first floor
- Inside-on second floor or higher
- Outside-At/close to grade
- Outside-Lower than first floor
- Outside-Higher than first floor
- Cannot tell
- Other (explain in notes)

Duct Work (select all that apply):

- Crawlspace/under elevated floor
- Inside-in basement
- Inside-on first floor
- Inside-on second floor or higher
- Outside-At/close to grade
- Outside-Lower than first floor
- Outside-Higher than first floor
- Cannot tell
- Other (explain in notes)

Flood Risk and Mitigation Possibilities Tab

Flood Risk

Flood Zone:

- A
- AE A1-30
- AH
- AO
- AR
- A99
- B/XShaded
- C/XUnshaded
- D
- V
- VE V1-30

Likely Source of Flooding:

- Stream or other source of riverine flooding
- Ocean, lake or other source of coastal flooding
- Sheet flow
- Natural drainage - Site is flat or drains poorly
- Natural drainage - Ponding, or site is low or site is in a bowl
- Natural drainage- Exceptionally heavy precipitation overwhelmed drainage system
- Drainage System - Undersized culvert or inadequate drainage feature downstream
- Drainage System - Drainage from lot is blocked by roadbed or other feature
- Drainage System - System can't handle runoff from recent upstream development
- Sewer backup
- Cannot tell
- Other (explain in notes)

Likely Areas of Flood Damage:

- Water over 1st floor - Flood level higher than floor level
- Water over 1st floor - Building is on slab close to grade
- Water below 1st floor - Water in crawlspace
- Water below 1st floor - Water in enclosed area below elevated floor
- Water in areas below grade - Building is a bilevel, split level or has finished areas below grade
- Water in areas below grade - Building has basement with below grade window wells or stairwell
- Water in areas below grade - Building has basement, no obvious entry point for water
- Damage to items outside the structure-Likely damage to deck, bulkhead, etc.
- Damage to items outside the structure - Outside A/C unit is low
- Damage to items outside the structure - Storage tanks present
- Cannot tell
- Other (explain in notes)

Potential Hydraulics Impacts (select all that apply):

- Low Bridge
- Culvert(s)
- Storm Drainage System
- Planned Projects
- Pump Stations
- Dams
- Levees
- Run off from U/S dev.
- Retention Basins
- Detention Basins
- Other (explain in notes)

DETAILED DATA VIEW

Elevation and Hazard Tab

EC or Elevation Data (complete only if you have certified data)

Flood Zones(s):

- A
- AE A1-30
- AH
- AO
- AR
- A99
- B/XShaded
- C/XUnshaded
- D
- V
- VE V1-30

State: All 50 states plus the District of Columbia and 7 U.S. territories:

AK	Alaska	KY	Kentucky	NY	New York
AL	Alabama	LA	Louisiana	OH	Ohio
AR	Arkansas	MA	Massachusetts	OK	Oklahoma
AZ	Arizona	MD	Maryland	OR	Oregon
CA	California	ME	Maine	PA	Pennsylvania
CO	Colorado	MI	Michigan	RI	Rhode Island
CT	Connecticut	MN	Minnesota	SC	South Carolina
DC	District of Columbia	MO	Missouri	SD	South Dakota
DE	Delaware	MS	Mississippi	TN	Tennessee
FL	Florida	MT	Montana	TX	Texas
GA	Georgia	NC	North Carolina	UT	Utah
HI	Hawaii	ND	North Dakota	VA	Virginia
IA	Iowa	NE	Nebraska	VT	Vermont
ID	Idaho	NH	New Hampshire	WA	Washington
IL	Illinois	NJ	New Jersey	WI	Wisconsin
IN	Indiana	NM	New Mexico	WV	West Virginia
KS	Kansas	NV	Nevada	WY	Wyoming
AS	American Samoa			NoM	Northern Mariana Islands
DC	District of Columbia			PR	Puerto Rico
FSM	Federated States of Micronesia			RMI	Republic of the Marshall Islands
GU	Guam			VI	Virgin Islands

Flood Zone Characteristics:

- Riverine
- Coastal
- Sheet flow
- Shallow floods
- Ponding
- Sewer backflow
- Ice jams
- Other