



City of Parma Heights
Council Meeting
6281 Pearl Road
Monday, January 9, 2023
7 :00 PM

ROLL CALL

PLEDGE OF ALLEGIANCE

ACTION ON MINUTES:

- December 12, 2022 – PARMA HEIGHTS CITY COUNCIL MEETING

REPORTS FROM MAYOR AND DIRECTORS

COMMUNICATIONS:

- PLANNING COMMISSION UPDATE FROM COUNCIL REPRESENTATIVE HAASE

PUBLIC SESSION

LEGISLATION

First Reading

1. ORDINANCE NO. 2022 – 41

AN ORDINANCE AUTHORIZING THE ADMINISTRATION TO EXECUTE AN AGREEMENT OF CONVEYANCE AND TO TRANSFER PROPERTY LOCATED AT 8699 LYNNHAVEN DRIVE IN THE CITY OF PARMA HEIGHTS TO THE CUYAHOGA COUNTY LAND REUTILIZATION CORPORATION [CCLRC], AND DECLARING AN EMERGENCY, AS AMENDED

2. ORDINANCE NO. 2022 – 42

AN ORDINANCE AMENDING SECTION 1195.06 ENTITLED, "AUTOMOTIVE USE-SPECIFIC REGULATIONS" OF THE CODIFIED ORDINANCES OF THE CITY OF PARMA HEIGHTS, OHIO, AND DECLARING AN EMERGENCY, AS AMENDED

3. ORDINANCE NO. 2023 – 1

AN ORDINANCE APPROVING THE ADOPTION OF THE 2022-2027 COUNTYWIDE ALL-HAZARDS MITIGATION PLAN FOR CUYAHOGA COUNTY, AND DECLARING AN EMERGENCY

4. RESOLUTION NO. 2023 – 2

A RESOLUTION AUTHORIZING THE ADMINISTRATION TO RENEW A MEMORANDUM OF UNDERSTANDING WITH THE CUYAHOGA COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE NORTHEAST OHIO REGIONAL SEWER DISTRICT FOR THE PROVISION OF TECHNICAL ASSISTANCE IN IMPLEMENTING SOIL AND WATER CONSERVATION MEASURES FOR THE YEAR 2023, AND DECLARING AN EMERGENCY

5. RESOLUTION NO. 2023 – 3

A RESOLUTION AUTHORIZING THE ADMINISTRATION TO ENTER INTO A PURCHASE AGREEMENT FOR ONE (1) 2023 FORD F-750 TRUCK FROM LIBERTY FORD AT A STATE PURCHASE PRICE OF \$115,285.00, AND DECLARING AN EMERGENCY

6. ORDINANCE NO. 2023 – 4

AN ORDINANCE AMENDING CHAPTER 1301 OF THE PARMA HEIGHTS CODIFIED ORDINANCES TO PROVIDE FOR ADOPTION OF THE RESIDENTIAL CODE OF OHIO, AS MAY BE AMENDED BY THE STATE OF OHIO FROM TIME TO TIME

ADJOURNMENT

ORDINANCE NO. 2022 – 41

AN ORDINANCE AUTHORIZING THE ADMINISTRATION TO EXECUTE AN AGREEMENT FOR CONVEYANCE AND TO TRANSFER PROPERTY LOCATED AT 8699 LYNNHAVEN DRIVE IN THE CITY OF PARMA HEIGHTS TO THE CUYAHOGA COUNTY LAND REUTILIZATION CORPORATION [CCLRC], AND DECLARING AN EMERGENCY, AS AMENDED

WHEREAS, the Parma Heights Land Reutilization Program acquired the property located at 8699 Lynnhaven Drive [PPN 472-21-083] after foreclosure; and

WHEREAS, the City is desirous of transferring the property to the Cuyahoga County Land Reutilization Corporation (CCLRC); and

WHEREAS, the Planning Commission met on December 19, 2022 and recommended to the Council and the Administration that it transfer the property located at 8699 Lynnhaven Drive [PPN 472-21-083] to the CCLRC.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Parma Heights, County of Cuyahoga and State of Ohio:

Section 1: The Administration is hereby authorized and directed to execute documents necessary to transfer the property located at 8699 Lynnhaven Drive [PPN 472-21-083] to the Cuyahoga County Land Reutilization Corporation (CCLRC) including an Agreement for Conveyance, under terms further described in Exhibit “A” attached hereto and incorporated by reference.

Section 2: This Council finds and determines that all formal actions of this Council concerning and relating to the adoption of this Ordinance were taken in an open meeting of this Council and that all deliberations of the Council and of any of its Committees comprised of a majority of the members of the Council that resulted in those formal actions were in meetings open to the public, in compliance with the law.

Section 3: This Ordinance is declared to be an emergency measure immediately necessary for the public peace, health, and safety of the Municipality and for the further reason that it is necessary to transfer the land as soon as possible to the Cuyahoga County Land Reutilization Corporation; wherefore, this Ordinance shall be in full force and effect from and immediately after its passage by Council and approval by the Mayor.

PASSED: _____

PRESIDENT OF COUNCIL

ATTEST: _____
CLERK OF COUNCIL

APPROVED

FILED WITH
THE MAYOR: _____

MAYOR MARIE GALLO

EXHIBIT A

Agreement for Conveyance

[From Third Party to CCLRC]

This Agreement, dated this ___ day of _____, 2023 (this "*Agreement*"), is by and between the City of Parma Heights ("*Grantor*") and the Cuyahoga County Land Reutilization Corporation ("*Grantee*") under the following circumstances:

Whereas, Grantor is the owner of the parcel(s) of land described in Exhibit A attached hereto and made a part hereof (the "*Land(s)*") which Grantor desires to gift or transfer to Grantee as set forth herein; and

Whereas, Grantee is a county land reutilization corporation organized and existing under Ohio Revised Code ("*R.C.*") Sections 1724.01 et seq. and 1702 .01 et seq., to the extent not inconsistent with R.C. Sections 1724.01 et seq; and

Whereas, Grantee is authorized by R.C. Sections 5722.01 et seq. and 1724.01 et seq. to receive the Land.

Now, therefore, in consideration of the mutual covenants made herein and other good and valuable consideration, the receipt of which is hereby acknowledged by the parties hereto, Grantor and Grantee agree as follows:

1. **Title and Prorations**: For \$1.00 and other good and valuable consideration, Grantor, shall deliver by warranty or fiduciary deed(s) free and clear marketable title in and to the Land to Grantee except for easements, restrictions and covenants of record.
2. **Conveyance and Closing**. This transaction shall close on or about the ___ day of _____, 202__ (the "*Closing*"), whereupon Grantor shall deliver warranty or fiduciary deed(s) to the Land(s), and Grantee shall pay to Grantor the consideration required herein.
3. **No Warranties or Representation**. Grantor makes no warranties or representations whatsoever as to the condition or quality of the Land(s), all of which Grantee agrees shall be conveyed in its current "AS IS, WHERE IS" condition.
4. **Law**. This Agreement shall be governed by the laws of the State of Ohio.

Grantee: Cuyahoga County Land
Reutilization Corporation
By: Ricardo León, Chief Operating Officer
Date: _____

Grantor: City of Parma Heights
By: _____
Date: _____

EXHIBIT A
LEGAL DESCRIPTION

Situated in the City of Parma Heights, County of Cuyahoga and State of Ohio:

And known as being Sublot No. 455 in the Precision Housing Corporation's Ridgewood Park Subdivision No. 7 of part of Original Parma Township Lot No. 2, Ely Tract, as shown by the recorded plat of said subdivision recorded in Volume 145, Page 16 of Cuyahoga County Map Records, as appears by said plat, be the same more or less, but subject to all legal highways.

Parcel No. 472-21-083

Permanent Parcel No. 472-21-083
8699 Lynnhaven Drive
Parma Heights, Ohio 44130

ORDINANCE NO. 2022 – 42

AN ORDINANCE AMENDING SECTION 1195.06 ENTITLED, "AUTOMOTIVE USE-SPECIFIC REGULATIONS" OF THE CODIFIED ORDINANCES OF THE CITY OF PARMA HEIGHTS, OHIO, AND DECLARING AN EMERGENCY, AS AMENDED

WHEREAS, the City of Parma Heights, per Resolution No. 2022 – 28, adopted on August 15, 2022, has reviewed the regulation of car wash uses within the City of Parma Heights; and

WHEREAS, the City has determined that additional regulation of the operation of car wash uses within the City of Parma Heights is necessary as additional car wash uses in the City will have a detrimental economic impact upon the City; and

WHEREAS, the City intends to regulate and limit the number of car wash uses permitted within the City of Parma Heights to avoid detrimental economic impacts of additional car wash uses upon the City; and

WHEREAS, the Planning Commission met, considered, and recommended this further regulation and limitation of the number of car wash uses permitted within the City of Parma Heights.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Parma Heights, County of Cuyahoga and State of Ohio:

Section 1: That Section 1195.06 of the Codified Ordinances shall be amended and, as amended, shall henceforth read as shown by edits set forth in Exhibit "A", which are attached hereto and incorporated by reference.

Section 2: This Council finds and determines that all formal actions of this Council concerning and relating to the adoption of this Ordinance were taken in an open meeting of this Council and that all deliberations of the Council and of any of its Committees comprised of a majority of the members of the Council that resulted in those formal actions were in meeting open to the public, in compliance with the law.

Section 3: This Council declares this Ordinance to be an emergency measure for the immediate preservation of the public health, peace, and safety of this Municipality, and for further reason that it is necessary to regulate and limit the number of car wash uses within the City prior to the expiration of the City's moratorium; wherefore, this Ordinance shall be in full force and effect immediately after its passage by Council and approval of the Mayor.

PASSED: _____

PRESIDENT OF COUNCIL

ATTEST: _____

APPROVED

FILED WITH
THE MAYOR: _____

MAYOR MARIE GALLO

EXHIBIT A

1195.06 AUTOMOTIVE USE-SPECIFIC REGULATIONS.

(a) Car Wash Establishments.

(1) Definitions

- a. Car Wash Establishments means any principal, conditional, or accessory use of property, buildings, or premises, or part thereof, used for washing motor vehicles, including but not limited to such facilities subject to licensing requirements imposed by federal and state regulations including Environmental Protection Agency and/or Occupational Safety and Health Administration, if applicable, and further, including but not limited to automatic, conveyor, and in-bay facilities defined herein.
- b. Car Wash, Automatic or Conveyor
“Automatic or conveyor car wash” means any commercial car wash where the motor vehicle moves on a conveyor style apparatus during the wash and the driver can remain in the vehicle.
- c. Car Wash, In-Bay
“In-bay car wash” means any commercial car wash where the driver pulls into or onto a bay or parking surface, parks the car, and the motor vehicle remains stationary while either a machine moves over the vehicle to clean it; one or more employees clean the vehicle; or where a customer parks the car and utilizes spray wands and/or brushes to wash the vehicle.

~~(1)~~(2) Such facilities shall be located in an area least disruptive to pedestrian and vehicular traffic.

~~(2)~~(3) The facility shall be located on the lot so as to utilize the maximum amount of the lot for the purpose of containing the waiting line of cars prior to the time the cars or other vehicles are actually serviced.

~~(3)~~(4) Any proposed loudspeaker system ~~(3)~~(4) shall be approved as part of the conditional use.

(5) No Car Wash Establishment or use of any kind, whether as a principal, conditional, or accessory use, shall be located within one thousand (1,000) feet of any other Car Wash Establishment or use of any kind, whether as a principal, conditional, or accessory use, as measured at the closest property lines, and the number of such Car Wash Establishments or uses of any kind, whether as a principal, conditional, or accessory use, may not exceed one per every twelve thousand (12,000), or portion thereof, of the population of the City.

(b) Gasoline Station.

(1) Such facilities shall be located in an area least disruptive to pedestrian and vehicular traffic.

(2) On a corner lot, the location of access drives to the street shall be placed as far from the intersection as possible and shall be limited to no more than one access drive per fronting street.

(3) Except while being serviced at a fuel pump island, no vehicle shall be parked between the fuel pumps and the front property line.

(4) A canopy may be constructed over the pump island provided the canopy shall comply with the front parking setback.

(5) All activities provided at gasoline stations, except those required to be performed at a fuel pump, air dispenser, or self-serve automobile vacuum, shall be carried on entirely inside a building.

(6) No junk or unlicensed motor vehicles shall be permitted to be parked or stored on the property. No inoperable vehicle shall be permitted to remain on the property for more than 48 hours.

(7) All outdoor loud speaker systems shall be approved as part of the site plan and shall not create a nuisance for adjacent properties.

(8) A gasoline station may be combined with any other permitted use provided the parking space requirements for both uses are met.

(c) Parking, Commercial Garage as a Principal Use of the Lot.

(1) A parking garage shall comply with the building setbacks for the district in which it is located.

(2) The building shall be designed to be compatible with surrounding development. Considerations include design elements and architectural features that provide a varied and interesting facade on long building walls without an entrance or windows and design elements that enhance compatibility with the character of the zoning district.

(3) The building materials shall be compatible with the surrounding buildings and character of the neighborhood.

(d) Vehicle Repair and Restoration, and Vehicle Service Station.

(1) Vehicle parking areas, equipment storage areas, maneuvering lanes, and access ways to public streets shall be designed to cause no interference with the safe and convenient movement of automobile and pedestrian traffic on, and adjacent to, the site.

(2) All work shall be performed entirely within an enclosed building; and all storage of supplies, parts and merchandise shall be within an enclosed building except as provided elsewhere herein.

(3) The parking of employee vehicles and vehicles waiting to be serviced or returned to customers following service shall be parked in areas indicated for such parking on the approved site plan.

(4) All vehicles parked or stored overnight shall be stored or parked in a completely enclosed building.

(5) The operator of a vehicle repair/restoration establishment may be permitted to display and sell used automobiles as an accessory use, provided the following conditions are met:

A. The establishment is located on a lot that is two acres or larger; and

B. The used automobiles are displayed indoors and the display area does not exceed 35 percent of the total floor area of the building in which used automobiles are displayed.

(6) No junk or unlicensed motor vehicles shall be permitted to be parked or stored on the property. No inoperable vehicle shall be permitted to remain on the property for more than 48 hours.

(7) In order to minimize any effects of the above, the Planning Commission may require additional noise reduction measures to assure that the level of noise is no more than the prevailing noise levels of permitted uses in the District.

(e) Vehicle Sales and Associated Service.

(1) The minimum lot area shall be four acres and the minimum lot width shall be 200 feet.

(2) The minimum building area shall be 25,000 square feet and there shall be sufficient building area to include space for offices; indoor display of at least five motor vehicles; inspection, servicing and repair of at least five motor vehicles; and sufficient parts and storage.

(3) The portion of the site that is paved shall be used for the parking and display of vehicles in compliance with the following.

A. A minimum of 60 percent of the paved area shall be devoted to the parking and display of new motor vehicles;

B. A maximum of 15 percent of the paved area may be devoted to car rental facilities.

C. Parking spaces for customers and employees shall be provided in accordance with Chapter 1187.

(4) The operation of a vehicle sales establishment shall comply with Chapter 755, including restrictions on the sale of used automobiles.

(5) Lighting for all areas used for the outdoor display of automobiles shall be in accordance with a plan approved by the Planning Commission.

(6) Only vehicles that are in good repair, fully operational, and with no missing parts or damage shall be permitted to be displayed or stored outdoors.

(Ord. 2021-7. Passed 1-25-21.)

ORDINANCE NO. 2023 - 1

AN ORDINANCE APPROVING THE ADOPTION OF THE 2022-2027 COUNTYWIDE ALL-HAZARDS MITIGATION PLAN FOR CUYAHOGA COUNTY, AND DECLARING AN EMERGENCY

WHEREAS, the City of Parma Heights, Cuyahoga County, Ohio may be vulnerable to natural and human-made hazards which may result in loss of life and property, economic hardship, and threats to public health and safety, and

WHEREAS, Section 322 of the Disaster Mitigation Act of 2000 (DMA 2000) requires state and local governments to develop and submit for approval to the President a mitigation plan that outlines processes for identifying their respective natural hazards, risks, and vulnerabilities, and

WHEREAS, the City of Parma Heights acknowledges the requirements of Section 322 of DMA 2000 to have an approved Hazard Mitigation Plan as a prerequisite to receiving post-disaster Hazard Mitigation Grant Program funds, and

WHEREAS, the Cuyahoga County 2022-2027 All-Hazards Mitigation Plan has been developed by the Cuyahoga County Office of Emergency Management in cooperation with other county departments, and officials and citizens of the City of Parma Heights, and

WHEREAS, a public involvement process consistent with the requirements of DMA 2000 was conducted to develop the Cuyahoga County 2022-2027 All-Hazards Mitigation Plan, and

WHEREAS, the Cuyahoga County 2022-2027 All-Hazards Mitigation Plan recommends mitigation activities that will reduce losses to life and property affected by both natural and manmade hazards that face the County and its municipal governments.

NOW THEREFORE BE IT ORDAINED by the governing body for the City of Parma Heights:

Section 1: The Council of the City of Parma Heights does adopt the Cuyahoga County 2022-2027 All-Hazards Mitigation Plan as approved and amended as required in the future, as further described in Exhibit "A" attached hereto and incorporated by reference.

Section 2: The respective officials and agencies identified in the implementation strategy of the Cuyahoga County 2022-2027 All-Hazards Mitigation Plan are hereby directed to implement the recommended activities assigned to them.

Section 3: This Council finds and determines that all formal actions of this Council concerning and relating to the adoption of this Ordinance were taken in an open meeting of this Council and that all deliberations of the Council and of any of its Committees comprised of a majority of the members of the Council that resulted in those formal actions were in meeting open to the public, in compliance with the law.

Section 4: This Ordinance is declared to be an emergency measure necessary for the public peace, health, and safety of the Municipality, and for further reason that it is necessary to ensure that the City remains immediately eligible for post-disaster grant funding; wherefore, this Ordinance shall be in full force and effect immediately upon its passage by Council and approval by the Mayor.

PASSED: _____

PRESIDENT OF COUNCIL

ATTEST: _____
CLERK OF COUNCIL

APPROVED

FILED WITH
THE MAYOR: _____

MAYOR MARIE GALLO

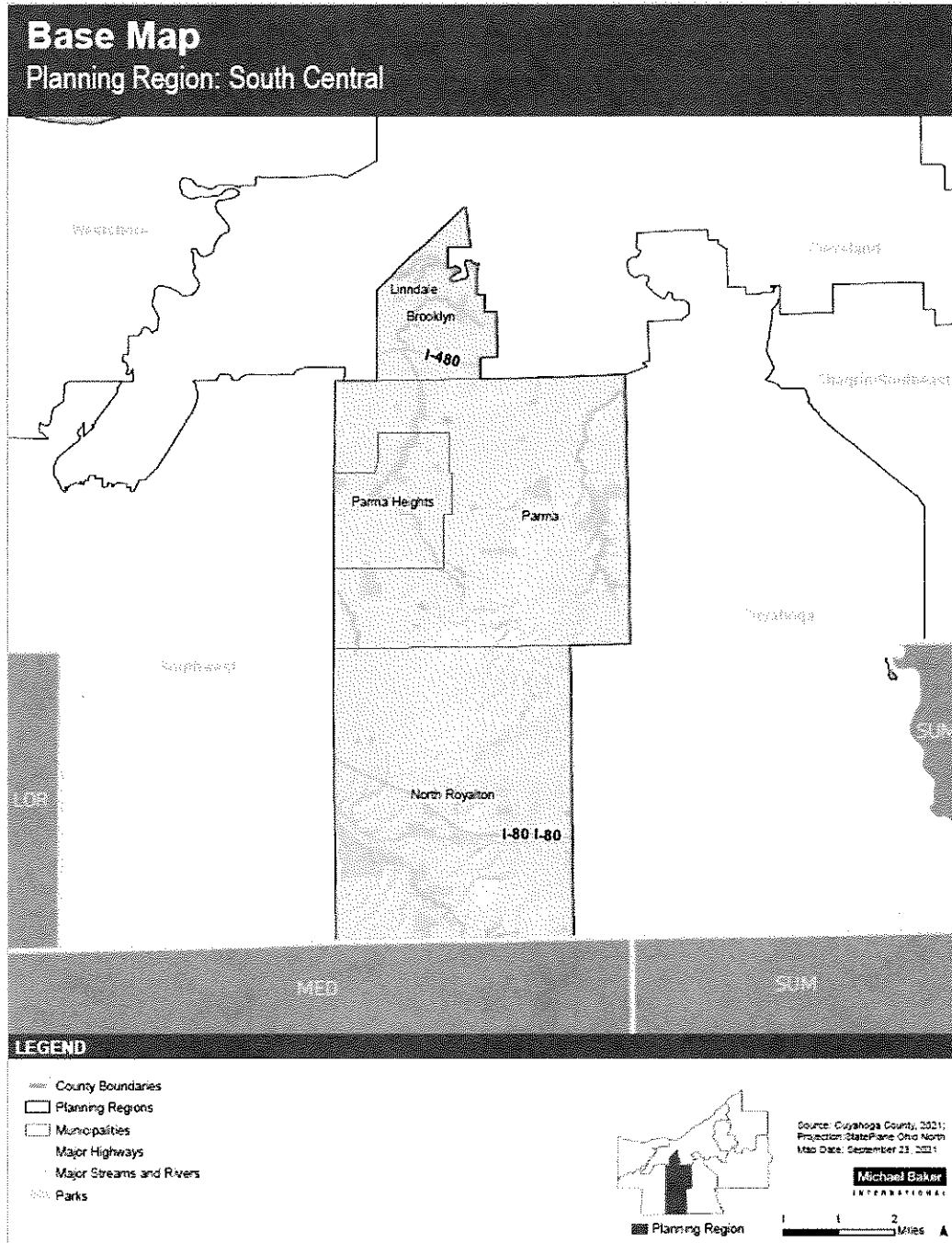
EXHIBIT A

2022 Cuyahoga County Hazard Mitigation Plan – Southcentral Regional Annex

Section 1. Southcentral Regional Profile

The Regional Profile summarizes the Southcentral Planning Region's regional makeup and socioeconomic factors. Regional makeup and socioeconomic factors include communities within the region, population, economic, land use and development trends, and critical facilities.

FIGURE 1-1 MAP OF SOUTHCENTRAL REGION



1.1. Population, Occupancy, and Demographics

The communities located in the Southcentral Planning Region include Brooklyn, North Royalton, Parma, and Parma Heights. The following base map shows the location of each jurisdiction.

Population and demographic information provide baseline data about the Southcentral Planning Region. Maintaining and reviewing up-to-date data on demographics allows the region to better assess hazard magnitudes and develop more specific mitigation plans.

TABLE 1-1 PLANNING REGION BASELINE DEMOGRAPHICS

Community	2010 Population	2020 Population	% Population Change 2010-2020	Percentage Population Employed	Number of Housing Units	Occupied Homes	Vacant Homes	Land Area (SqMi)
Brooklyn	11,169	11,359	1.7%	63.5%	5,007	95%	5%	4.3
North Royalton	30,444	31,322	2.9%	68.2%	13,614	95%	5%	21.3
Parma	81,601	81,146	-0.6%	65.8%	36,294	95%	5%	20.0
Parma Heights	20,718	20,863	0.7%	64.3%	9,943	93%	7%	4.2

The region’s residential population is 144,690 (U.S. Census 2020). With a land total of 49.8 square miles, the population density is 2,905.4 people per square mile. The following table is a comprehensive list that details the U.S. Census population count region in 2010, the U.S. Census population count in 2020, the estimated average change in population between 2010 and 2020, the total number of housing units, and the area (in square miles) for the municipality.

TABLE 1-2 SOUTHCENTRAL REGION DEMOGRAPHIC PROFILE

Category	Total
2010 Population	143,932
2020 Population Estimate	144,690
Average Regional Population Change 2010 – 2020	0.5%
Total Housing Units, 2020	64,858
Region Area (sq. miles)	49.8

1.1.1 Effects of Population Change on Mitigation

Housing occupancy impacts the community’s overall resilience during and following a disaster. Well-maintained homes are less likely to contribute to damage and debris during hazard events. Vacant homes are more like to sustain heavy damage during events such as thunderstorms, high winds, tornadoes, and winter storms.

When vacant homes deteriorate, they become more easily damaged or destroyed during hazard events (specifically high winds, thunderstorms, and tornadoes). The building materials from the homes can become

2022 Cuyahoga County Hazard Mitigation Plan – Southcentral Regional Annex

projectiles and wind-borne debris, injuring people and damaging vehicles and structures, and causing a more difficult response and recovery. As communities within the planning area experience a population decline, blighted properties become a more and more significant issue.

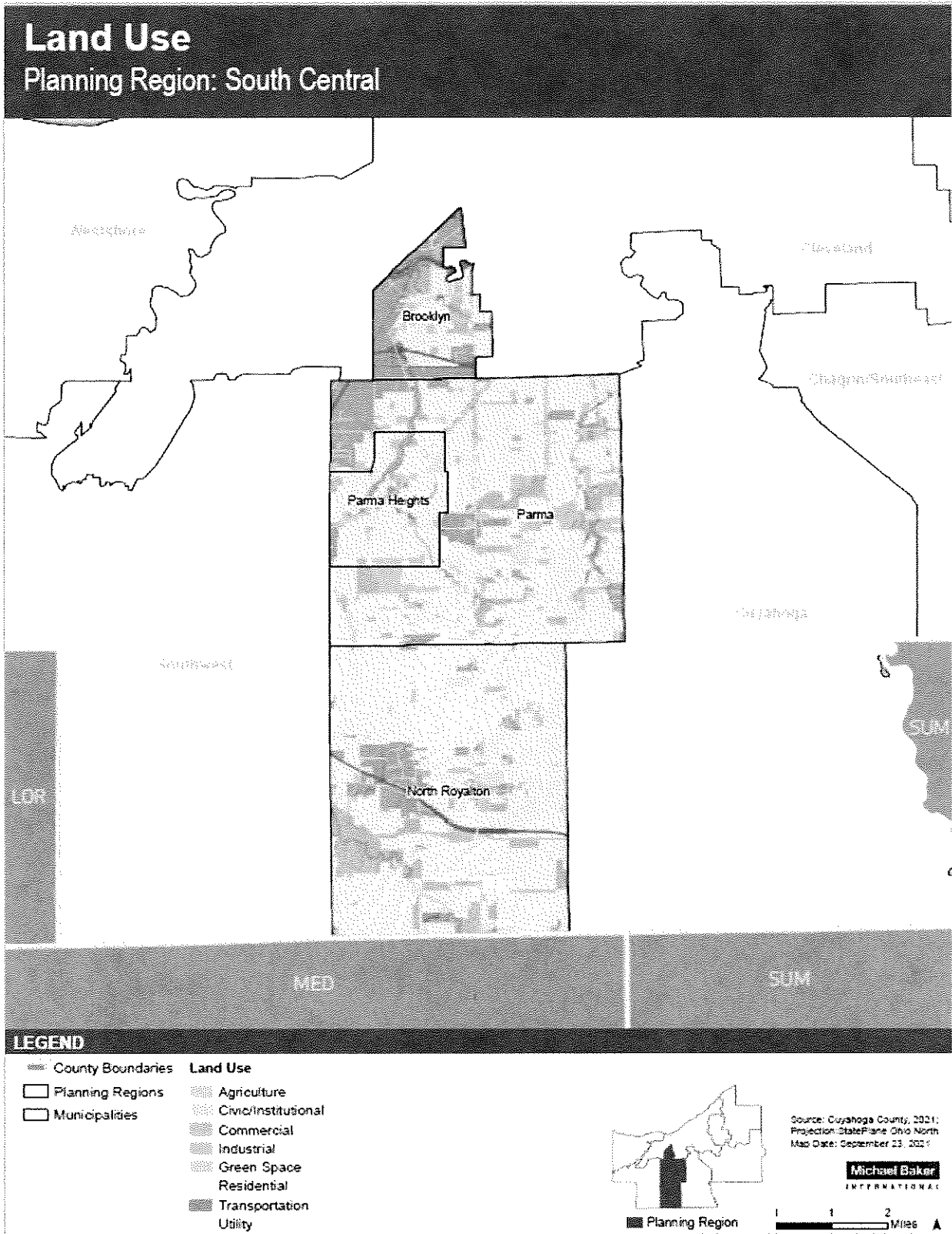
1.1.2 Land Use and Future Development Areas

The following figure shows the current land use in the Southcentral Planning Region. The region has agriculture, civil/institutional, commercial, industrial, green space, residential, transportation, and utility land use.

The City of Brooklyn specifically noted several instances of new construction since the 2018 plan was adopted:

- Daycares
 - Loving Cup
 - Mini Miracle
 - Like Home
- Nursing Homes (or similar):
 - Brooklyn Point
 - The Avenue
- Amazon Distribution Center

FIGURE 1-2 SOUTHCENTRAL PLANNING REGION LAND USE



2022 Cuyahoga County Hazard Mitigation Plan – Southcentral Regional Annex

New development has been reported across Cuyahoga County, particularly housing and commercial development since the previous HMP was developed. Members of the Southcentral Planning Region completed a Changes in Development form to determine how they perceived their change in vulnerability to each hazard in comparison to development trends and larger factors. Each community's Changes in Development form response is displayed in the following table.

TABLE 1-3 SOUTHCENTRAL PLANNING REGION CHANGES IN DEVELOPMENT

Jurisdiction/ Organization	Changes in Development Response
City of Brooklyn	Medical Mutual has relocated more than a thousand of operations employees into the city after the renovation of American Greetings building. Amazon is currently constructing a large distribution center. Numerous new companies including transportation and logistics have relocated to the city increasing daytime populations, vehicle and truck traffic. Large retail affecting rainfall drainage causing flooding.
City of North Royalton	We have had significant residential and industrial growth that has increased stormwater and possibility of more flooding issues.
Parma Heights	There has been no development that would affect vulnerability of the community. It's built out.
Parma	The city has added a new street with 26-30 new homes in an area that was previously green space potentially creating water run off issues. Also, the mall in our city has recently been changed to outdoor shopping center style also creating potential water run off issues. State Rd. Park dredged and cleaned.

It is expected that residential and commercial development and redevelopment will continue to occur in the Southcentral Planning Region throughout the next 25 years. One reason is that the retail and service market is far from being saturated in the jurisdictions of Cuyahoga County. Another reason is that high transportation costs which are expected to continue to rise are keeping more travelers closer to home and in their search for goods and services.

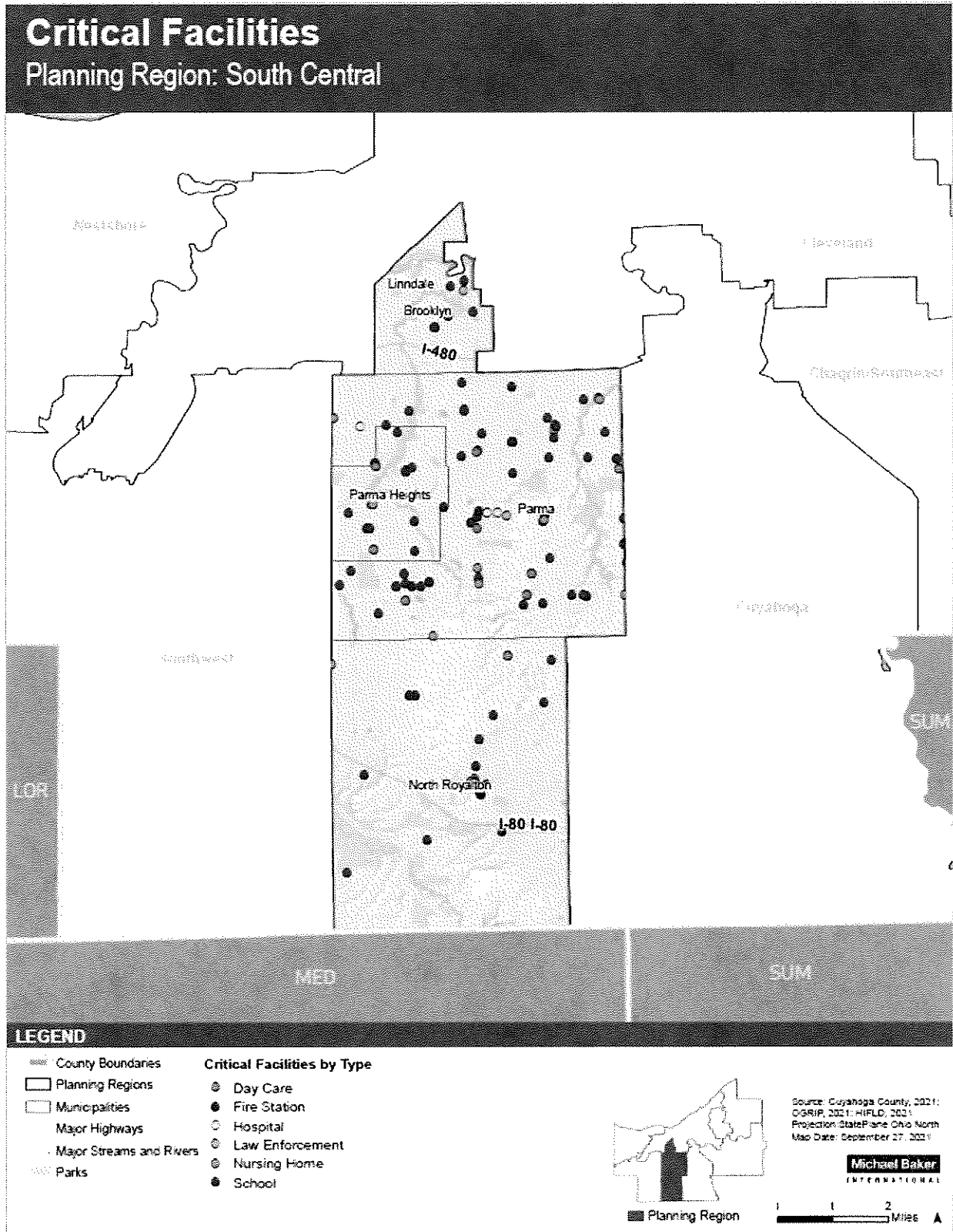
1.1.3 Critical Facilities

The Planning Committee identified the types of structures that they consider to be “critical” to the day-to-day operations of the Southcentral Planning Region. This includes day cares, fire stations, hospitals, law enforcement buildings, nursing homes, and schools. There is a total of 1,756 critical facilities in Cuyahoga County. A map of the planning region critical facilities can be found in the following figure.

TABLE 1-4 CRITICAL FACILITIES IN SOUTHCENTRAL PLANNING REGION

Municipality	Day Care	Fire Station	Hospital	Law Enforcement	Nursing Home	School	Grand Total
Brooklyn	3	1	0	1	2	6	8
North Royalton	2	2	0	1	2	15	22
Parma	16	5	3	1	6	47	78
Parma Heights	3	1	0	1	1	11	17
Grand Total	24	9	3	4	11	79	125

FIGURE 1-3 CRITICAL FACILITIES IN SOUTHCENTRAL REGION



Section 2. The Planning Process

The following table identifies jurisdictions of the region that participated in the planning process. Communities that were not able to attend the public meetings were met with on an individual basis. The dates of the individual meetings are listed below; Meetings 1 and 2 refer to the county-wide Kickoff Meeting and the Regional Open Houses, respectively. Southcentral Planning Region’s Regional Open House was held on September 9, 2021, from 8:00 AM to 12:00 PM. Each community was also responsible for completing the six forms that were available on the Cuyahoga County Hazard Mitigation Plan Update website.

2022 Cuyahoga County Hazard Mitigation Plan – Southcentral Regional Annex

TABLE 2-1 JURISDICTIONAL PARTICIPATION

Jurisdiction	Meeting Participation			Documentation Provided						2022 Status		
	Meeting 1	Meeting 2	Ind. Meeting	Completed Meeting Participation	Risk Evaluation	Vulnerability Assessment	Changes in Development	Capability Assessment	Update on Previous Action		New Action	
Brooklyn	0			0	0	0	0	0	0	0	0	COMPLETE
North Royalton			Sept. 20 th , 2021 Sept. 22 nd , 2021	0	0	0	0	0	0	0	0	0
Parma	0	0		0	0	0	0	0	0	0	0	0
Parma Heights		0		0	0	0	0	0	0	0	0	0

2022 Cuyahoga County Hazard Mitigation Plan – Southcentral Regional Annex

Participation and feedback were provided throughout Cuyahoga County. Public representatives, such as directors, fire chiefs, and public works employees attended meetings and completed surveys about hazards within the County. A significant number of participants from non-community organizations also participated in the public meetings. The “Meeting(s) Attended” column identifies if the representative participated in the Kickoff meeting (1), Regional Open House (2), or a virtual individual meeting (Ind. Meeting).

TABLE 2-2 SOUTHCENTRAL PLANNING REGION PARTICIPANTS

Name	Community/Organization Represented	Title / Role	Meeting(s) Attended
John Verba	Brooklyn	Service Director	1
Kevin Paul	Brooklyn	Fire Chief	1
Robert Chegag, Jr.	North Royalton	Fire Chief	Ind. Meeting
Tony Vannello	Parma	Public Works Coordinator	1, 2
Lou Davis	Parma	Fire Captain	1, 2
Matt Bernard	Parma Heights	Fire Chief	2

Section 3. Hazard Identification and Risk Assessment (HIRA)

The following table displays the results of the Risk Evaluation form completed by each jurisdiction. The form asks respondents to evaluate how the hazards from the previous plan have changed in regards to risk to the jurisdiction. “I” indicates that the jurisdiction has seen an increase in risk to the hazard; “D” indicates that the jurisdiction has seen a decrease in risk to the hazard; and “NC” indicates the jurisdiction has seen no change in risk to the hazard.

On average, Cuyahoga County jurisdictions reported No Change for most hazards. From the list of profiled hazards, the Southcentral Planning Region jurisdictions have experienced an increase in extreme temperatures, flooding, health related emergencies, and severe thunderstorms.

2022 Cuyahoga County Hazard Mitigation Plan - Southcentral Regional Annex

TABLE 3-1 SOUTHCENTRAL PLANNING REGION RISK EVALUATION

Hazard	Brooklyn	North Royalton	Parma	Parma Heights
Flooding	I	I	I	NC
Extreme Temperatures	I	I	NC	I
Severe Winter Storms	I	I	NC	NC
Earthquakes	NC	NC	NC	NC
Drought	D	NC	NC	NC
Severe Thunderstorms	I	I	NC	I
Tornadoes	NC	NC	NC	NC
Terrorism/CBNRE Incident	I	NC	I	NC
Building/Structural Collapse	I	NC	NC	NC
Utility Disruption	I	NC	NC	I
Active Shooter Incident	I	NC	I	NC
IT/Communications Disruption	I	NC	I	NC
Transportation Incident	I	NC	NC	NC
Hazardous Materials Incident	I	NC	NC	NC
Dam Failure	NC	NC	NC	NC
Civil Disturbance	I	NC	I	I
Nuclear Power Incident	NC	NC	NC	NC
Health Related Emergencies	I	NC	I	I

Natural Hazards

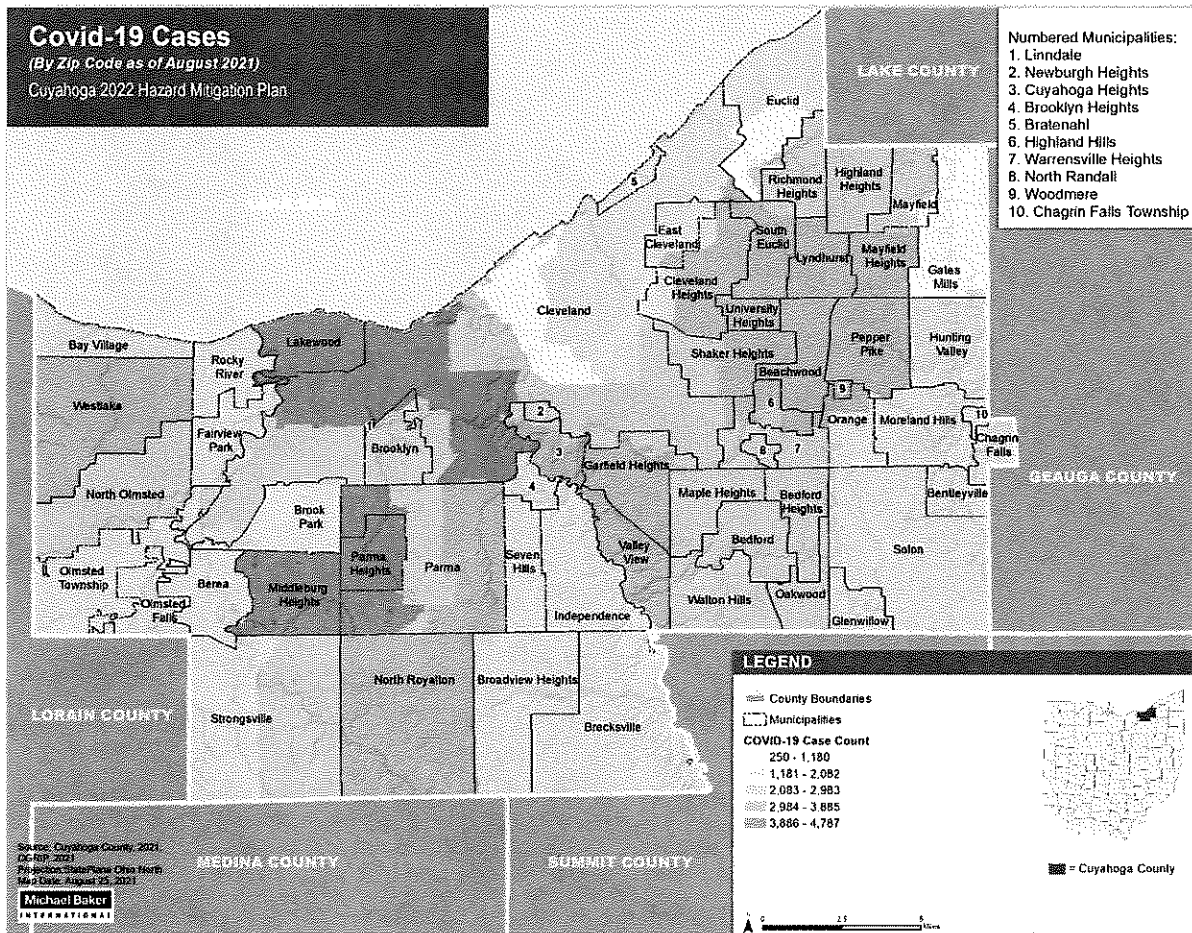


3.1. Health Related Emergency

3.1.1 History of Occurrences

Health related emergencies are region- to worldwide events. Community-level data is not often available for health-related emergencies. The following map shows the COVID-19 cases by zip code as of August 2021.

FIGURE 3-1 COVID-19 CASES BY ZIP CODE



3.1.2 Future Probability

The precise timing of a health-related emergency is uncertain. Pandemic occurrences are most likely when the Influenza Type A virus makes a dramatic change, or antigenic shift, that results in a new or “novel” virus to which the population has no immunity. Epidemic occurrences are more likely when there are ecological changes, the pathogen mutates, or the pathogen is introduced into an unprepared host population. The region’s probability of future occurrence for a health related emergency is equivalent of the county’s probability (6.67 years between events; 15% chance of a health related emergency event occurring annually).

2022 Cuyahoga County Hazard Mitigation Plan - Southcentral Regional Annex

3.1.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Unknown vulnerabilities at this time.
North Royalton	We have no hospital. We transport patients per existing protocols.
Parma	We have a high senior/elderly population. This can put a strain on EMS system in our community.
Parma Heights	The majority of our population is older. We have a lot of senior apartment buildings.

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3.2. Severe Thunderstorms

3.2.1 History of Occurrences

The following table displays the history of severe thunderstorm events in the Southcentral Planning Region. From January 1, 2001 to March 31, 2021, there have been a total of 60 severe thunderstorm events in the Southcentral Planning Region according to the National Centers for Environmental Information (NCEI). The 60 events have resulted in 0 deaths, 2 injuries, \$1,505,000 in property damages, and no reported crop damages.

Location	Date	Event Type	Deaths	Injuries	Property Damage	Crop Damage
North Royalton	6/20/2001	Thunderstorm Wind	0	1	\$500,000	0
North Royalton	6/20/2001	Hail	0	0	\$40,000	0
North Royalton	6/4/2002	Hail	0	0	\$2,000	0
North Royalton	7/22/2002	Thunderstorm Wind	0	0	\$5,000	0
Parma	7/22/2002	Thunderstorm Wind	0	0	\$2,000	0
Countywide	7/28/2002	Thunderstorm Wind	0	0	\$35,000	0
Parma	8/4/2002	Thunderstorm Wind	0	0	\$5,000	0
Parma	8/16/2002	Hail	0	0	0	0
North Royalton	9/3/2002	Thunderstorm Wind	0	0	\$5,000	0
Countywide	4/4/2003	Thunderstorm Wind	0	0	\$20,000	0
Brooklyn	5/9/2003	Hail	0	0	0	0
Parma	5/10/2003	Thunderstorm Wind	0	0	\$5,000	0
North Royalton	5/10/2003	Hail	0	0	\$2,000	0
Countywide	5/11/2003	Strong Wind	0	0	\$35,000	0
Countywide	7/7/2003	Thunderstorm Wind	0	0	\$50,000	0
Countywide	7/8/2003	Thunderstorm Wind	0	0	\$300,000	0
Countywide	10/14/2003	Strong Wind	0	0	\$15,000	0
Countywide	5/21/2004	Thunderstorm Wind	0	0	\$100,000	0
Countywide	6/14/2004	Thunderstorm Wind	0	0	\$25,000	0
Brooklyn	8/28/2004	Lightning	0	1	0	0
Countywide	11/27/2004	Strong Wind	0	0	\$10,000	0
Parma	6/5/2005	Thunderstorm Wind	0	0	\$2,000	0
North Royalton	11/6/2005	Hail	0	0	0	0
Countywide	3/10/2006	Strong Wind	0	0	\$20,000	0
North Royalton	8/7/2007	Thunderstorm Wind	0	0	\$15,000	0
North Royalton	6/22/2008	Hail	0	0	0	0
Parma	6/22/2008	Hail	0	0	0	0
North Royalton	8/7/2008	Hail	0	0	0	0
Countywide	10/7/2009	Strong Wind	0	0	\$100,000	0

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Location	Date	Event Type	Deaths	Injuries	Property Damage	Crop Damage
Parma	6/27/2010	Thunderstorm Wind	0	0	\$25,000	0
Parma	9/7/2010	Thunderstorm Wind	0	0	\$25,000	0
Parma	5/23/2011	Thunderstorm Wind	0	0	0	0
Parma	5/23/2011	Hail	0	0	0	0
Parma	5/23/2011	Hail	0	0	\$20,000	0
North Royalton	5/23/2011	Hail	0	0	0	0
North Royalton	6/21/2011	Thunderstorm Wind	0	0	\$2,000	0
North Royalton	7/18/2011	Thunderstorm Wind	0	0	\$10,000	0
Brooklyn	8/25/2011	Thunderstorm Wind	0	0	\$15,000	0
Parma	6/13/2013	Thunderstorm Wind	0	0	\$1,000	0
North Royalton	6/25/2013	Hail	0	0	0	0
Parma	6/24/2014	Hail	0	0	0	0
North Royalton	7/8/2014	Thunderstorm Wind	0	0	\$1,000	0
Parma	5/30/2015	Thunderstorm Wind	0	0	\$35,000	0
Parma	3/30/2017	Hail	0	0	0	0
Brooklyn	3/30/2017	Hail	0	0	0	0
Parma Heights	5/29/2017	Thunderstorm Wind	0	0	\$1,000	0
Parma	7/7/2017	Thunderstorm Wind	0	0	0	0
North Royalton	7/7/2017	Thunderstorm Wind	0	0	\$1,000	0
Parma Heights	5/22/2018	Hail	0	0	0	0
North Royalton	5/22/2018	Thunderstorm Wind	0	0	\$20,000	0
North Royalton	5/22/2018	Hail	0	0	0	0
North Royalton	5/22/2018	Hail	0	0	0	0
North Royalton	9/20/2018	Thunderstorm Wind	0	0	\$1,000	0
Countywide	12/31/2018	Strong Wind	0	0	\$25,000	0
Countywide	1/1/2019	Strong Wind	0	0	\$25,000	0
North Royalton	5/30/2019	Thunderstorm Wind	0	0	0	0
Countywide	6/28/2019	Thunderstorm Wind	0	0	0	0
Parma	8/18/2019	Thunderstorm Wind	0	0	\$5,000	0
Parma Heights	11/15/2020	Thunderstorm Wind	0	0	0	0
Parma	3/26/2021	Thunderstorm Wind	0	0	0	0
Grand Total			0	2	\$1,505,000	0

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3.2.2 Future Probability

Reported thunderstorm conditions over the past 20 years provide an acceptable framework for determining the future occurrence in terms of frequency for such events. The probability of experiencing thunderstorm winds associated with damages or injury can be difficult to predict. Based on the historical record of 60 thunderstorm events from 2001 through 2021 (3 thunderstorm events per year), it can reasonably be assumed that this type of event will occur multiple times per year.

$$(2021 \text{ CY}) - (2001 \text{ HY}) = 20 \text{ Years on Record}$$

$$(20 \text{ Years}) / (60 \text{ Events}) = 0.33 \text{ Years Between Events}$$

Thunderstorms have occurred on a regular basis every year. Due to climate change, it is expected that thunderstorms will grow increasingly frequent and intensify in severity. There is a 100% chance the region will experience a severe thunderstorm event annually.

3.2.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Storms knock out utilities too often, affecting the whole community.
North Royalton	Old trees do blow down power lines, and we have a lot of dead trees that need to be addresses in right of ways.
Parma	Storms knock down our power lines, leaving senior population without power for long periods of time.
Parma Heights	Every time winds get above 30-40 mph, we always have multiple power lines down. It's an older community, so the oak trees are 80-90 years old. These are present in all residential.

3.3. Flooding

3.3.1 Location

Flooding in the Southcentral Planning Region is most likely to occur in the floodplain identified in the following figure. Smaller-scaled flooding can also occur outside of the identified flood zones. Coastal erosion occurs along the shorelines of large bodies of water. Cuyahoga County has 30 miles of Lake Erie shoreline, according to the Cuyahoga County Planning Commission. There are no coastal erosion zones located in the Southcentral Planning Region shown in Figure 3-3.

FIGURE 3-2 SOUTHCENTRAL PLANNING REGION FLOOD ZONES

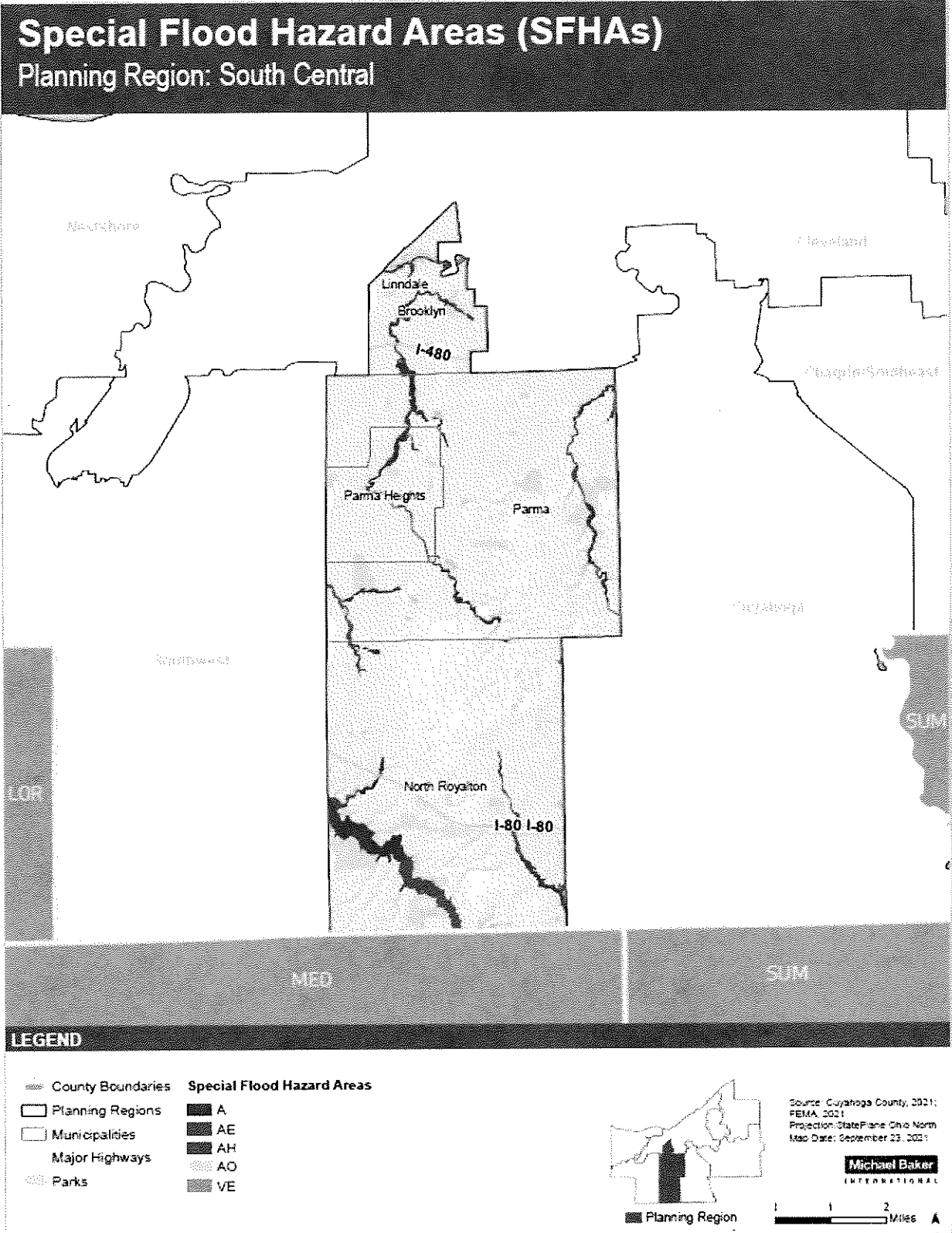
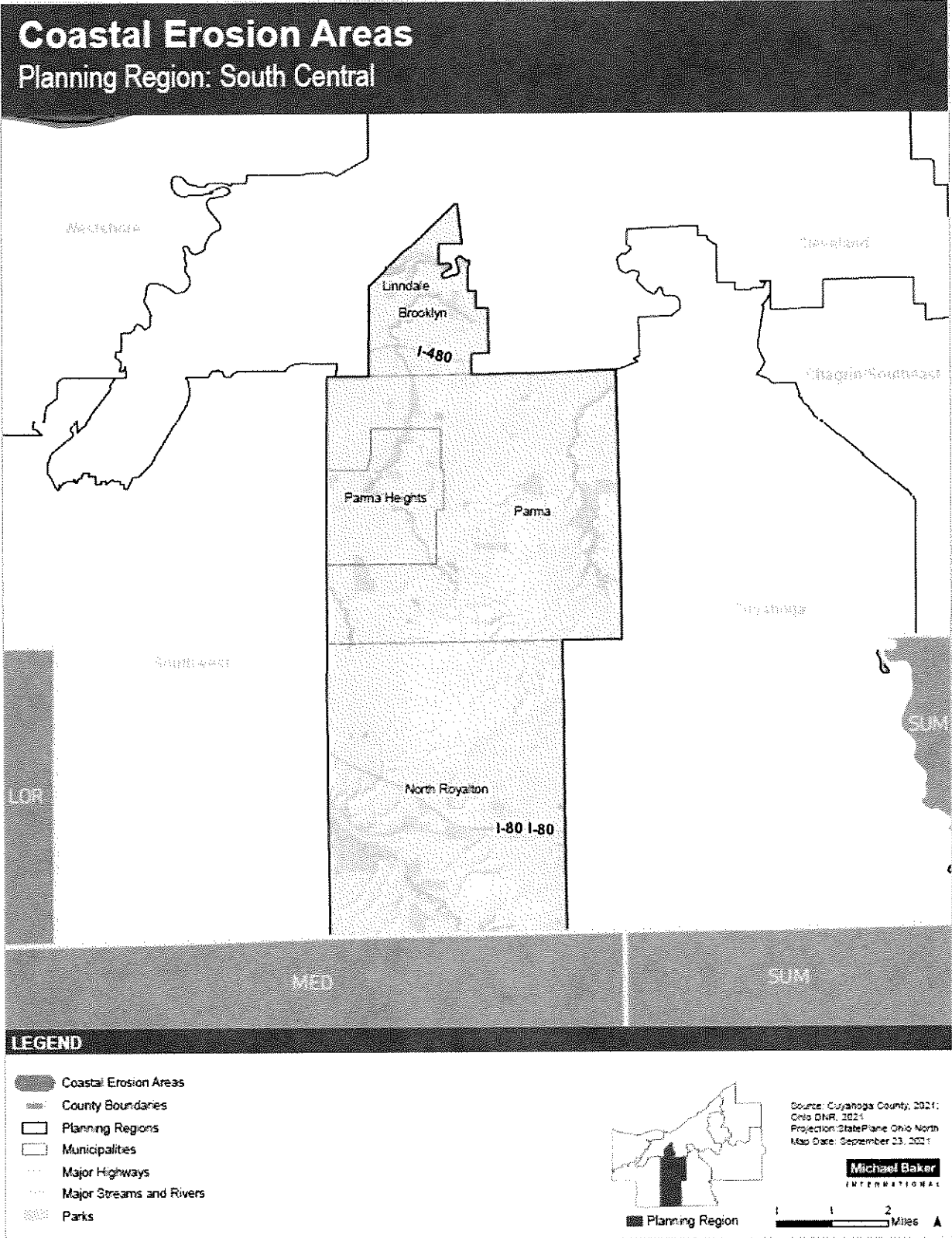


FIGURE 3-3 SOUTHCENTRAL PLANNING REGION COASTAL EROSION AREAS



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3.3.2 History of Occurrences

The following table displays the history of flooding events in the Southcentral Planning Region. From January 1, 2001 to March 31, 2021, there have been a total of 21 flooding events in the Southcentral Planning Region according to the NCEI. The 21 events have resulted in 0 deaths, 0 injuries, \$52,407,000 in property damages, and no reported crop damages.

Location	Date	Event Type	Deaths	Injuries	Property Damage	Crop Damage
Countywide	8/31/2001	Flash Flood	0	0	0	0
Countywide	7/21/2003	Flood	0	0	\$5,000,000	0
Countywide	5/21/2004	Flash Flood	0	0	\$750,000	0
Countywide	5/21/2004	Flood	0	0	\$1,800,000	0
Countywide	5/22/2004	Flash Flood	0	0	\$5,200,000	0
Countywide	6/9/2004	Flash Flood	0	0	\$500,000	0
Countywide	9/17/2004	Flood	0	0	\$75,000	0
Countywide	1/1/2005	Flood	0	0	\$600,000	0
Countywide	7/26/2005	Flash Flood	0	0	\$35,000	0
Countywide	8/30/2005	Flood	0	0	\$100,000	0
Countywide	6/22/2006	Flood	0	0	\$12,000,000	0
North Royalton	2/28/2011	Flood	0	0	\$700,000	0
Parma Heights	5/14/2011	Flash Flood	0	0	0	0
Brooklyn	5/30/2015	Flash Flood	0	0	\$600,000	0
Countywide	6/5/2019	Flash Flood	0	0	\$14,000	0
Countywide	6/5/2019	Flash Flood	0	0	\$10,000	0
Countywide	6/20/2019	Flash Flood	0	0	0	0
Parma	7/5/2019	Flash Flood	0	0	\$25,000,000	0
Parma Heights	3/29/2020	Flash Flood	0	0	\$20,000	0
Brooklyn	5/15/2020	Flash Flood	0	0	\$3,000	0
North Royalton	9/7/2020	Flash Flood	0	0	0	0
Grand Total			0	0	\$52,407,000	0

3.3.3 Future Probability

Reported flooding events over the past 20 years provide an acceptable framework for determining the future occurrence in terms of frequency for such events. The probability of experiencing flooding associated with damages or injury can be difficult to predict. Based on the historical record of 21 flooding events from 2001 through 2021, it can be reasonably assumed the region will experience a flooding event once every 0.95 years.

$$(2021 \text{ CY}) - (2001 \text{ HY}) = 20 \text{ Years on Record}$$

$$(20 \text{ Years}) / (21 \text{ Events}) = 0.95 \text{ Years Between Events}$$

Flooding events have occurred on a regular basis every year. Due to climate change, it is expected that heavy rainfall and rapid ice melt will grow increasingly frequent and intensify in severity, thus increasing flood frequency. There is a 100% chance the region will experience a flooding event annually.

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3.3.4 Regional Vulnerability

In the Southcentral Planning Region, there are a total of 41 structures in the Special Flood Hazard Area (SFHA). Both North Royalton and Parma have the highest number of structures in the SFHA with 19 structures each, and the remaining 3 structures in the SFHA are located in Brooklyn. There are no critical facilities located in the SFHA in Southcentral Region.

TABLE 3-2 COMMUNITY FLOOD VULNERABILITY IN SOUTHCENTRAL PLANNING REGION

Municipality	Total Structures	Structures in SFHA	Percent Structures in SFHA	Total Critical Facilities	Critical Facilities in SFHA	Percent Critical Facilities in SFHA
Brooklyn	2,793	3	0%	8	0	0%
North Royalton	6,993	19	0%	22	0	0%
Parma	20,666	19	0%	78	0	0%
Parma Heights	4,595	0	0%	17	0	0%
Grand Total	35,047	41	0.12%	125	0	0%

In the Southcentral Planning Region, there are no mobile home parcels, therefore none are located in the SFHA.

TABLE 3-3 MOBILE HOME FLOOD VULNERABILITY IN SOUTHCENTRAL PLANNING REGION

Municipality	Total Mobile Homes	Total Mobile Homes in SFHA	Percent Mobile Homes in SFHA
Brooklyn	0	0	0%
North Royalton	0	0	0%
Parma	0	0	0%
Parma Heights	0	0	0%
Grand Total	0	0	0%

There are a total of 41 structures in the SFHA in the Southcentral Planning Region. 10 structures are commercial structures, 2 structures are green space parcels, and 29 are residential structures.

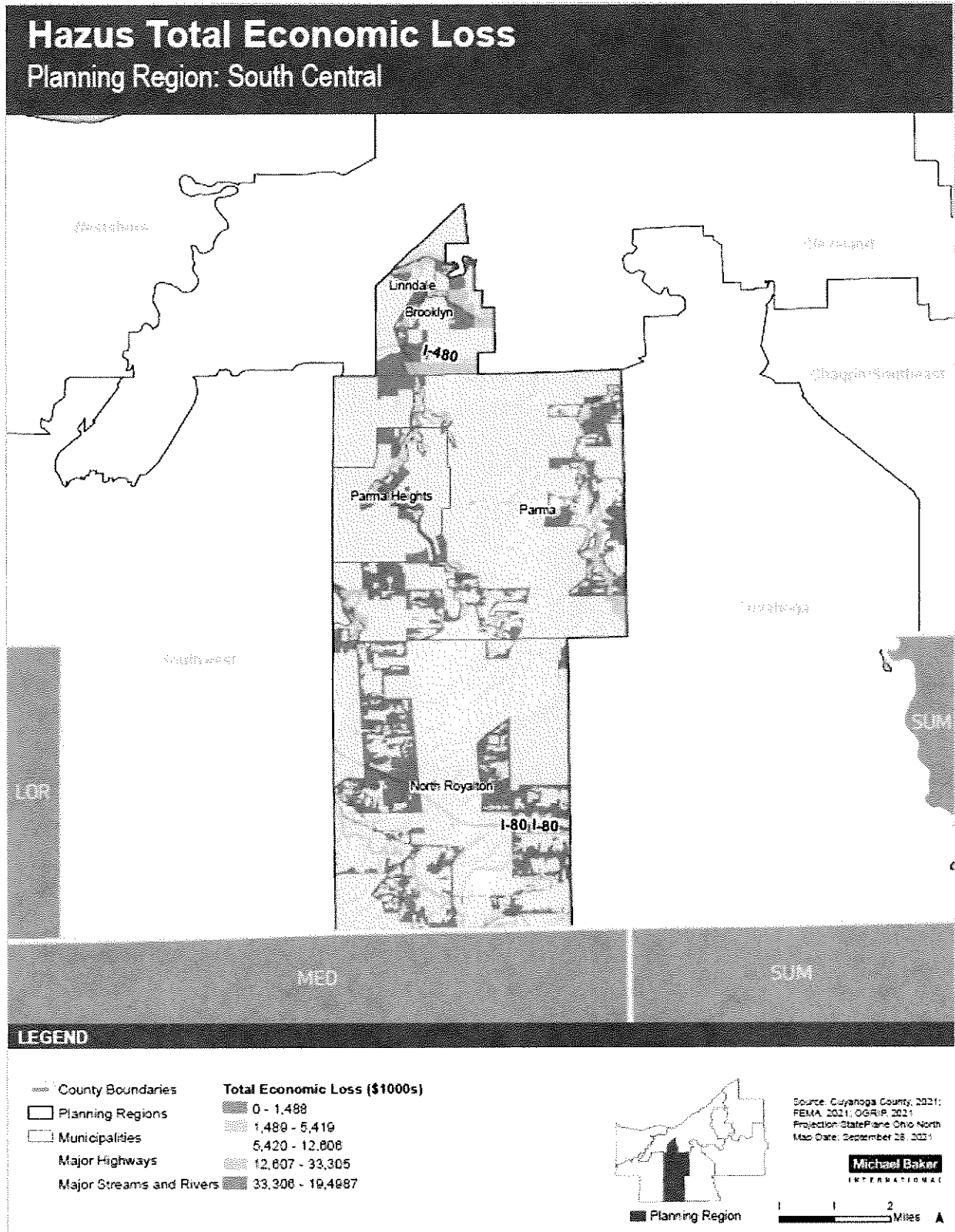
TABLE 3-4 STRUCTURES IN SFHA BY LAND USE TYPE PER MUNICIPALITY FOR SOUTHCENTRAL PLANNING REGION

Municipality	Commercial	Green Space	Industrial	Institutional	Residential	Utility	Grand Total
Brooklyn	2	0	0	0	1	0	3
North Royalton	0	2	0	0	17	0	19
Parma	8	0	0	0	11	0	19
Parma Heights	0	0	0	0	0	0	0
Grand Total	10	2	0	0	29	0	41

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The following figure represents the total economic loss that the planning region would endure following a 100-Year Flood, modeled by Hazus-MH.

FIGURE 3-4 HAZUS TOTAL ECONOMIC LOSS



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The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Flooding has increased across the whole community due to development.
North Royalton	We have many residents with flooding problems on their property, and flooding is a regional issue. Other cities need to do their part downstream. Continue mitigation plans
Parma	We have a lot of areas that flood in our city due to creeks, shallow retention basins and run off issues.
Parma Heights	The Southwest side of the town sees bad residential flooding on the streets. They are looking to add water retention basins in to control these issues.

3.4. Extreme Temperatures

3.4.1 History of Occurrences

Extreme temperature events are county- to region-wide events. Jurisdiction-specific data does not exist for extreme temperatures. The history of occurrences for this hazard is located in the Base Plan in Section 4.4.

3.4.2 Future Probability

The region’s probability of future occurrence for an extreme temperature event is equivalent of the county’s probability (4 years between events; 40% chance of an extreme temperature event occurring annually).

3.4.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	We have a high senior population without air conditioning.
North Royalton	There are some older residents without air conditioning. Plan on opening centers as needed.
Parma	Senior population has access to heating and cooling center, but the building does not have a backup generator.
Parma Heights	Our older populations are susceptible to this hazard. Some are on extremely tight budgets that can affect them. Utility costs can affect them.

3.5. Severe Winter Storms

3.5.1 History of Occurrences

Severe Winter Storm events are county- to region-wide events. Jurisdiction-specific data does not exist for severe winter storms. The history of occurrences for this hazard is located in the Base Plan in Section 4.5.

3.5.2 Future Probability

The region’s probability of future occurrence for a severe winter storm event is equivalent of the county’s probability (0.23 years between events; 100% chance of a severe winter storm event occurring annually).

3.5.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Infrastructure of utilities is old.
North Royalton	Severe, icy storms are a problem for all residents; community plans on opening warning centers/shelters
Parma	Senior population may be shut in due to storms. May be without power and no access to be dug out.
Parma Heights	Our older populations are susceptible to this hazard. Some are on extremely tight budgets that can affect them. Utility costs can affect them. Seniors also have a hard time getting around.

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3.6. Tornado

3.6.1 History of Occurrences

There have been no recorded tornadoes in the Southcentral Planning Region in the past 20 years.

3.6.2 Future Probability

There is not enough historical precedence to predict when a tornado may occur within the Southcentral Planning Region.

3.6.3 Regional Vulnerability

Mobile homes can have a heightened vulnerability to strong wind and tornado events if they are not anchored in place. There are no mobile homes located within the Southcentral Planning Region.

TABLE 3-5 ESTIMATED MOBILE HOMES PER MUNICIPALITY IN SOUTHCENTRAL REGION

Municipality	Total Structures	Structures on mobile home parcels	Percent Mobile Homes
Brooklyn	2,793	0	0%
North Royalton	6,993	0	0%
Parma	20,666	0	0%
Parma Heights	4,595	0	0%
Grand Total	35,047	0	0%

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Older infrastructure not built to withstand high winds.
North Royalton	There are no specific areas of vulnerabilities to this hazard. The whole community is equally vulnerable.
Parma	Many of our homes are not able to withstand a powerful tornado.
Parma Heights	Every time winds get above 30-40 mph; we always have multiple power lines down. It's an older community, so the oak trees are 80-90 years old. These are present in all residential.

3.7. Earthquakes

3.7.1 History of Occurrences

There have been no recorded earthquakes in the Southcentral Planning Region in the past 20 years.

3.7.2 Future Probability

There is not enough historical precedence to predict when an earthquake may occur within the Southcentral Planning Region.

3.7.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	The community reported this hazard was not applicable.
North Royalton	The community reported this hazard was not applicable.
Parma	Our main fire station is old and may not be able to withstand an earthquake. Many of our homes on the north side pre-date WWII. With a large earthquake could suffer severe damage.
Parma Heights	Fire Station was built in the 1940s and 1960s. This is susceptible to building collapse.

3.8. Drought

3.8.1 History of Occurrences

Drought events are county- to region-wide events. Jurisdiction-specific data does not exist for droughts. The history of occurrences for this hazard is located in the Base Plan in Section 4.8.

3.8.2 Future Probability

The region’s probability of future occurrence for an extreme temperature event is equivalent of the county’s probability (Greater than 20 years between events; 0% chance of an extreme temperature event occurring annually).

3.8.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Extreme heat is a problem
North Royalton	The community reported this hazard was not applicable.
Parma	The community reported this hazard was not applicable.
Parma Heights	We carry the Big Creek Parkway which is prone to fires during droughts.

3.9. Landslides

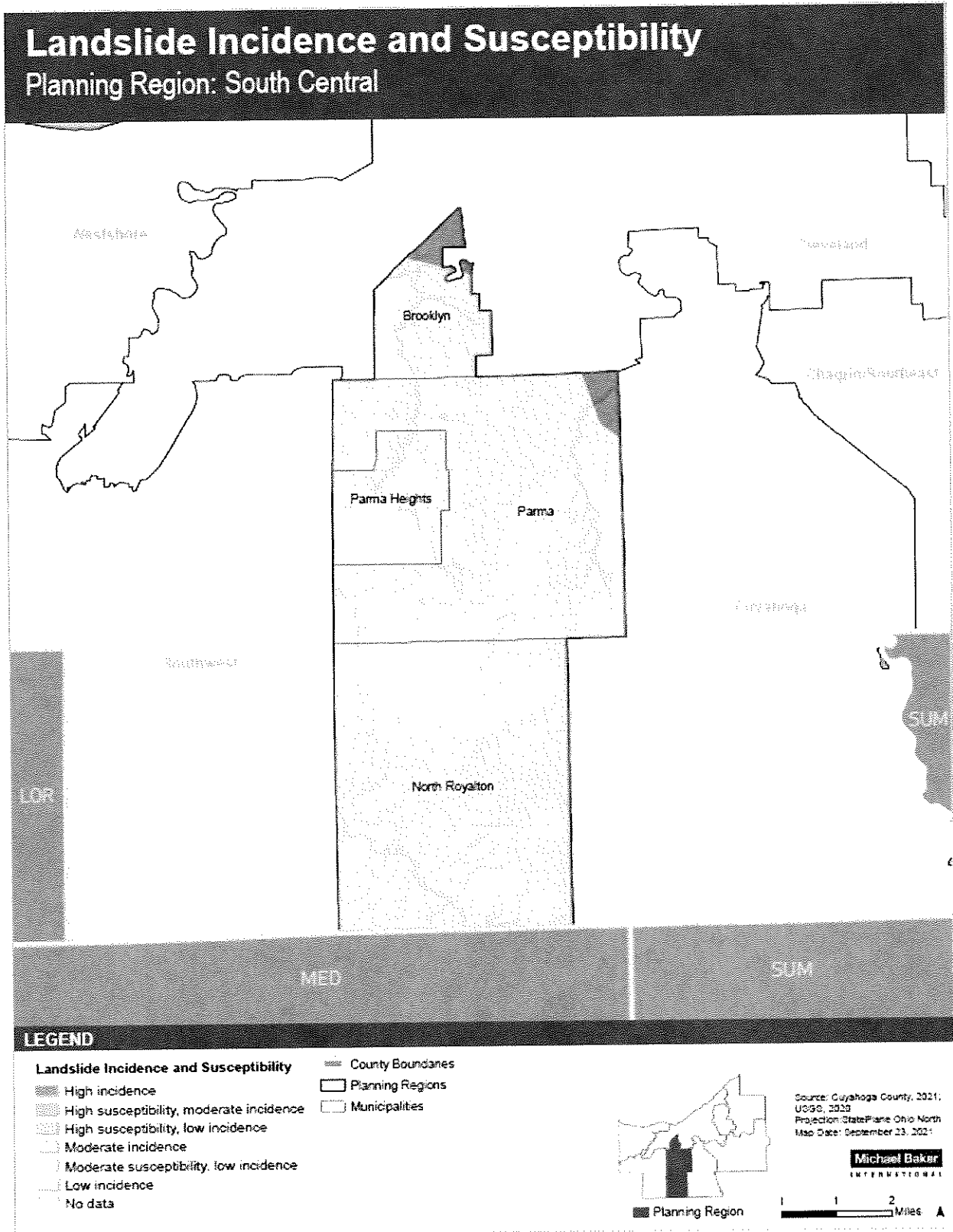
3.9.1 Location

Due to Cuyahoga County's hilly and varied terrain, the north and eastern portions of the County and its communities are at risk from landslides. According to mapping data obtained by the United States Geological Survey (USGS), the majority of the Southcentral Planning Region lies in a moderate susceptibility zone for landslides as shown in the following figure.

Roadways that run through valleys or alongside ridgeways are the most easily susceptible to landslides. This includes but is not limited to local streets, state routes, and county roads. These are located in rural areas where there are no other easily accessible roadways. A closure at any of these locations would result in significant delays for those living in those communities, especially during emergency events.

The *Low Incidence* zone, meaning that these areas have low susceptibility to landslides with a low incidence of occurrence. The other zones identified on the map are: *Moderate susceptibility, low incidence* zone, meaning that these areas have moderate susceptibility to landslides with a low incidence of occurrence; *High susceptibility, low incidence* zone, meaning that these areas have high susceptibility to landslides with a low incidence of occurrence; *Moderate Incidence* zone, meaning that this area has moderate susceptibility to landslides with a moderate incidence of occurrence; *High susceptibility, moderate incidence* zone, meaning these areas have high susceptibility to landslides with a moderate incidence of occurrence; and *High Incidence* zone, meaning that these areas have high susceptibility to landslides with a high incidence of occurrence.

FIGURE 3-5 LANDSLIDE INCIDENCE AND SUSCEPTIBILITY



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3.9.2 History of Occurrences

There have been no recorded landslides in the Southcentral Planning Region in the past 20 years.

3.9.3 Future Probability

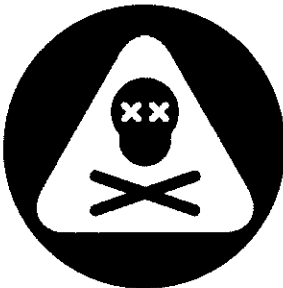
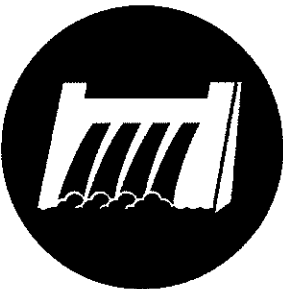
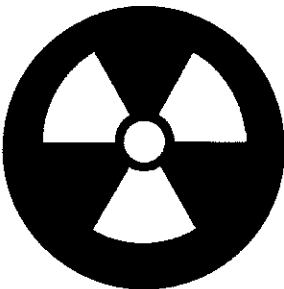
There is not enough historical precedence to predict when a landslide may occur within the Southcentral Planning Region.

3.9.4 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	The community reported this hazard was not applicable.
North Royalton	We have many streams and hillsides that experience severe erosion, but no major vulnerabilities
Parma	The community reported this hazard was not applicable.
Parma Heights	The community reported this hazard was not applicable.

Man-Made Hazards



3.10. Hazardous Materials Release/Spill

3.10.1 History of Occurrences

Hazardous materials incident data is not available at the jurisdictional level. The history of occurrences for this hazard is located in the Base Plan in Section 4.10.

3.10.2 Future Probability

Hazardous materials incidents can happen any day throughout the county. Small-scale incidents will continue to occur as normal operation around the county. Larger incidents will remain seldom but can still occur at any time. There is not enough historical precedence to predict when a large-scale incident may occur within the Southcentral Planning Region.

3.10.3 Regional Vulnerability

The following table shows the structures that are within 1.5 miles of the hazardous materials facilities that are located within the Southcentral Planning Region, including critical facilities. Structures that are located in close proximity to hazardous material facilities are vulnerable to a release or spill incident. Parma has the highest number of structures located near a hazardous material facility with 5,019 structures. Brooklyn has the second highest number of structures located within 1.5 miles of a hazardous material facility with 2,770 structures, and Parma Heights has the third highest with 2,487 structures. 99% of Brooklyn’s total structures are located 1.5 miles away from a hazardous materials facility. 54% of Parma Heights’s total number of structures are located within 1.5 miles of a hazardous material facility, and 24% of Parma’s total number of structures are located within 1.5 miles of a hazardous material facility. 100% of Brooklyn’s critical facilities are within 1.5 miles of a hazardous material facility, 65% of Parma Heights’s critical facilities are within 1.5 miles of a hazardous material facility, and 14% of Parma’s critical facilities are within 1.5 miles of a hazardous material facility.

FIGURE 3-6 VULNERABILITY OF STRUCTURES NEAR HAZARDOUS MATERIALS SITES

Municipality	Total Structures	Structures Vulnerable to Hazardous Material Facilities (within 1.5 miles)	Percent Structures Vulnerable to Hazardous Material Facilities (within 1.5 miles)	Total Critical Facilities	Critical Facilities Vulnerable to Hazardous Material Facilities (within 1.5 miles)	Percent Critical Facilities Vulnerable to Hazardous Material Facilities (within 1.5 miles)
Brooklyn	2,793	2,770	99%	8	8	100%
North Royalton	6,993	0	0%	22	0	0%
Parma	20,666	5,019	24%	78	11	14%
Parma Heights	4,595	2,487	54%	17	11	65%
Grand Total	35,047	10,276	29.3%	125	30	24%

The following table displays the structures that are vulnerable to hazardous materials release by land use type per municipality. There are a total of 10,276 structures within 1.5 miles of a hazardous material facility in the Southcentral Region. 539 of the structures are commercial buildings, 4 of the parcels are green space, 187 structures are industrial buildings, 54 structures are institutional buildings, 9,471 structures are residential buildings, and 4 are utility structures.

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FIGURE 3-7 STRUCTURES VULNERABLE TO HAZARDOUS MATERIALS RELEASE BY LAND USE TYPE PER MUNICIPALITY

Municipality	Commercial	Green Space	Industrial	Institutional	Residential	Utility	Grand Total
Brooklyn	112	2	71	14	2,569	2	2,770
North Royalton	0	0	0	0	0	0	0
Parma	270	0	116	28	4,587	1	5,019
Parma Heights	157	2	0	12	2,315	1	2,487
Grand Total	539	4	187	54	9,471	4	10,276

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Homes along highways and railways
North Royalton	No active rail; evac plans and hazmat response in place
Parma	Local Police and Fire Departments need more integrated training on this to better serve the county.
Parma Heights	The reservoir carries a significant amount of chlorine and other chemicals. ABC Rental on Pearl Road carries large propane tanks.

3.11. Nuclear Power Incident

3.11.1 History of Occurrences

There have been no reported nuclear power incidents in the Southcentral Planning Region. Additionally, nuclear power incidents are regional events, and jurisdictional level data would not be available.

3.11.2 Future Probability

There have been no recorded nuclear accidents at the Perry Nuclear Generating Station. While the probability of an event is not likely, nuclear incidents could be triggered by external factors such as tornadoes, earthquakes, or terrorism, or by internal malfunctions and leaks.

3.11.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	The community reported this hazard was not applicable.
North Royalton	The community reported this hazard was not applicable.
Parma	Our city is between two nuclear power plants. We would be affected by fallout depending on the wind and weather.
Parma Heights	The community reported this hazard was not applicable.

3.12. Utility Disruption

3.12.1 History of Occurrences

Utility Disruption events are county- to region-wide events. Jurisdiction-specific data does not exist for utility disruption. The history of occurrences for this hazard is located in the Base Plan in Section 4.12.

3.12.2 Future Probability

Minor power failure events (i.e. short outage) events may occur several times a year for any given area in the region, while major (i.e. widespread, long outage) events take place once every few years. Power failures are likely occurrences during severe weather and therefore, should be expected during those events.

Because power failures are often tied to severe storm events, there is a 100% chance that the planning region will experience minor utility failures in the future. There is not enough historical precedence to predict when a large-scale incident may occur.

3.12.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Happens often due to severe weather
North Royalton	Strong windstorms do affect utility poles; no specific issues
Parma	Normal disruptions of utilities due to storms.
Parma Heights	Power lines and trees are susceptible to strong winds.

3.13. Climate Change

3.13.1 History of Occurrences

Climate change is a worldwide phenomenon. Consistent jurisdiction-specific data does not exist for climate change. The history of occurrences for this hazard is located in the Base Plan in Section 4.13.

3.13.2 Future Probability

Climate change will continue to be a problem for the foreseeable future as there is a 100% chance that Climate change will continue to be an issue. Climate change is currently in progress and is expected to worsen considerably over the next century.

3.13.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Extreme weather patterns affect utilities and highways due to flooding
North Royalton	Climate change is impacting the community with more frequent larger storms
Parma	The community reported this hazard was not applicable.
Parma Heights	The community reported this hazard was not applicable.

3.14. Terrorism/CBNRE Incident

3.14.1 History of Occurrences

There have been no large-scale terrorist attacks in the Southcentral Planning Region.

3.14.2 Future Probability

There is not enough historical precedence to determine frequency or future probability of terrorism or threatened terroristic events.

3.14.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

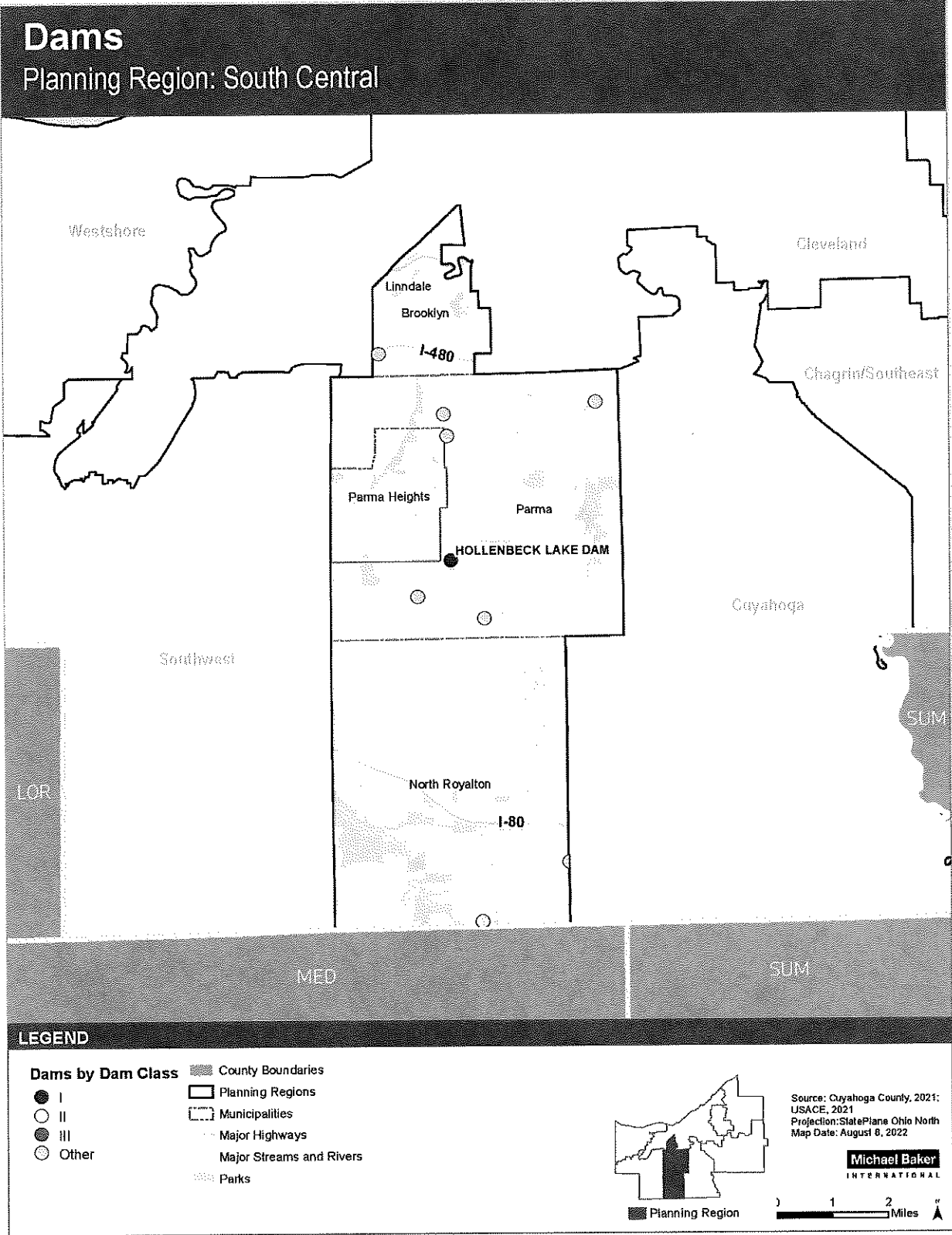
Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Have 2 railways, 2 highways and a large chemical processing plant in City, also a large gas line that feeds the east coast
North Royalton	The community reported this hazard was not applicable.
Parma	We have a 10,000-seat stadium (outdoor) that would or could be vulnerable to a terrorist event.
Parma Heights	Our reservoir is the only location in town that is susceptible. This is all drinking water.

3.15. Dam/Levee Failure

3.15.1 Location

There are two dams located in in the Southcentral Planning Region; the following figure shows the location of the dam. There are no levees located in the Southcentral Planning Region.

FIGURE 3-8 SOUTHCENTRAL PLANNING REGION DAMS



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3.15.2 History of Occurrences

There have been no recorded dam or levee failure events in the Southcentral Planning Region in the past 20 years.

3.15.3 Future Probability

For reasons previously mentioned in the Base Plan and uncontrollable by humans, it is possible a dam or levee can fail at any time, given the right circumstances. However, the probability of future occurrence for regulated dams and levees can be reduced due to proactive preventative action in compliance with the Ohio Department of Natural Resources – Dam Safety Program. Ohio’s Dam Safety Program provides for the regulation and safety of high hazard dams and reservoirs throughout the state in order to protect the health, safety, and welfare of its citizens and their property.

3.15.4 Regional Vulnerability

The following GIS vulnerability analysis conducted found no structures or critical facilities are vulnerable to levee failure in the Southcentral Planning Region.

TABLE 3-6 STRUCTURES AND CRITICAL FACILITIES VULNERABLE TO LEVEE FAILURE

Municipality	Total Structures	Total Structures Vulnerable to Levee Failure	Percent Structures Vulnerable to Levee Failure	Total Critical Facilities	Critical Facilities Vulnerable to Levee Failure	Percent Critical Facilities Vulnerable to Levee Failure
Brooklyn	2,793	0	0%	8	0	0%
North Royalton	6,993	0	0%	22	0	0%
Parma	20,666	0	0%	78	0	0%
Parma Heights	4,595	0	0%	17	0	0%
Grand Total	35,047	0	0%	125	0	0%

There are no structures vulnerable to levee failure in the planning region.

TABLE 3-7 STRUCTURES VULNERABLE TO LEVEE FAILULRE BY LAND USE TYPE

Municipality	Commercial	Green Space	Industrial	Institutional	Residential	Utility	Grand Total
Brooklyn	0	0	0	0	0	0	0
North Royalton	0	0	0	0	0	0	0
Parma	0	0	0	0	0	0	0
Parma Heights	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0

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The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	No dams
North Royalton	We have evacuation plan for dam failure
Parma	Not an issue.
Parma Heights	No issues.

3.16. IT/Communications Disruption

3.16.1 History of Occurrences

There have been no significant historical occurrences of IT/Communications Disruption in the Southcentral Planning Region.

Small-scale communications disruptions happen regularly, often coinciding with storm damage, but also occur as a result of scheduled maintenance and upgrades. Large-scale outages are considerably less frequent, usually occurring with catastrophic storms such as the June 2012 Derecho, Hurricane Ike, or Hurricane Sandy.

3.16.2 Future Probability

Power interruptions during severe weather are common and can cause a disruption in communications and technological equipment. Cable television, internet, and phone services, which are the primary forms of communication for many people, can go down for a variety of reasons. Regular maintenance of systems has the potential to disrupt communications systems temporarily.

There is not enough historical precedence to determine frequency or future probability of IT/Communications Disruption events.

3.16.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	The community reported this hazard was not applicable.
North Royalton	We lack proper internal staffing to address any potential issues.
Parma	We do not have any type of municipal IT system.
Parma Heights	Our systems are prone to occasional viruses. Nothing out of the normal.

3.17. Transportation Incident

3.17.1 History of Occurrences

Automotive incident events are not reported at the jurisdictional level. There have been no reported rail or air incidents in the Southcentral Planning Region. The history of occurrences for this hazard is located in the Base Plan in Section 4.17.

3.17.2 Future Probability

There is not enough information to determine how often automotive, rail, or air incidents are likely to occur.

3.17.3 Regional Vulnerability

The Southcentral Planning Region has many critical facilities within 0.5 miles of a major highway, active rail line, or airport. Brooklyn has the highest number of critical facilities within 0.5 miles of a major highway with 6 critical facilities. Both North Royalton and Parma have the second highest number of critical facilities within 0.5 miles of a major highway with 2 critical facilities each. Brooklyn also has the highest percent of total critical facilities within 0.5 miles of a major highway with 75% of total critical facilities. Parma has the highest number of critical facilities within 0.5 miles of an active rail line with 3 critical facilities, and Brooklyn has the second highest number of critical facilities within 0.5 miles of an active rail line with 2 critical facilities. All jurisdictions' critical facilities are within 5 miles of an airport.

TABLE 3-8 CRITICAL FACILITIES VULNERABLE TO TRANSPORTATION INCIDENTS

Municipality	Total Critical Facilities	Critical Facilities within .5 mi of a Major Highway	Percent Critical Facilities within .5 mi of a Major Highway	Critical Facilities within .5 mi of an Active Rail Line	Percent Critical Facilities within .5 mi of an Active Rail Line	Critical Facilities within 5 mi of an Airport	Percent Critical Facilities within 5 mi of an Airport
Brooklyn	8	6	75%	2	25%	8	100%
North Royalton	22	2	9%	0	0%	22	100%
Parma	78	2	3%	3	4%	78	100%
Parma Heights	17	0	0%	0	0%	17	100%
Grand Total	125	10	8%	5	4%	125	100%

Parma has the highest number of structures within 0.5 miles of a major highway (2,092) and the highest number of structures within 0.5 miles of an active rail line (1,854), and the highest number of structures within 5 miles of an airport (20,666).

TABLE 3-9 STRUCTURES VULNERABLE TO TRANSPORTATION ACCIDENTS

Municipality	Total Structures	Structures within .5 mi of a Major Highway	Percent Structures within .5 mi of a Major Highway	Structures within .5 mi of an Active Rail Line	Percent Structures within .5 mi of an Active Rail Line	Structures within 5 mi of an Airport	Percent Structures within 5 mi of an Airport
Brooklyn	2,793	1,736	62%	998	36%	2,793	100%
North Royalton	6,993	1,009	14%	0	0%	6,908	99%
Parma	20,666	2,092	10%	1,854	9%	20,666	100%
Parma Heights	4,595	0	0%	0	0%	4,595	100%
Grand Total	35,047	4,837	13.8%	2,852	8.1%	34,962	99.8%

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There are a total of 4,837 structures located within 0.5 miles of a major highway in the Southcentral Planning Region. 267 of the structures are commercial buildings, 8 of the parcels are green space, 281 structures are industrial buildings, 10 structures are institutional buildings, 4,260 structures are residential buildings, and 4 are utility structures.

TABLE 3-10 STRUCTURES IN ROAD ACCIDENT ZONES BY LAND USE TYPE

Municipality	Commercial	Green Space	Industrial	Institutional	Residential	Utility	Grand Total
Brooklyn	75	1	60	6	1,592	2	1,736
North Royalton	24	7	182	2	793	1	1,009
Parma	168	0	39	2	1,875	1	2,092
Parma Heights	0	0	0	0	0	0	0
Grand Total	267	8	281	10	4,260	4	4,837

There are a total of 2,852 structures located within 0.5 miles of an active rail line in the Southcentral Planning Region. 228 of the structures are commercial buildings, 1 of the parcels is green space, 166 structures are industrial buildings, 8 structures are institutional buildings, 2,441 structures are residential buildings, and 3 are utility structures.

TABLE 3-11 STRUCTURES IN RAIL ACCIDENT ZONES BY LAND USE TYPE

Municipality	Commercial	Green Space	Industrial	Institutional	Residential	Utility	Grand Total
Brooklyn	51	1	67	6	871	2	998
North Royalton	0	0	0	0	0	0	0
Parma	177	0	99	2	1,570	1	1,854
Parma Heights	0	0	0	0	0	0	0
Grand Total	228	1	166	8	2,441	3	2,852

There are a total of 34,962 structures located within 5 miles of an airport in the Southcentral Planning Region. 1,225 of the structures are commercial buildings, 34 of the parcels are green space, 416 structures are industrial buildings, 158 structures are institutional buildings, 33,091 structures are residential buildings, and 17 are utility structures.

TABLE 3-12 STRUCTURES IN AIR ACCIDENT ZONES BY LAND USE TYPE

Municipality	Commercial	Green Space	Industrial	Institutional	Residential	Utility	Grand Total
Brooklyn	112	2	71	14	2,592	2	2,793
North Royalton	217	16	213	18	6,439	5	6,908
Parma	715	14	131	112	19,664	9	20,666
Parma Heights	181	2	1	14	4,396	1	4,595
Grand Total	1,225	34	416	158	33,091	17	34,962

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The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	highways and major roads with RTA service/ Charter buses
North Royalton	N/A
Parma	We have three state routes that run through our city. However no interstates.
Parma Heights	No issues.

3.18. Civil Disturbance

3.18.1 History of Occurrences

Civil disturbance events are often region- to worldwide events. Jurisdiction-specific data does not exist for civil disturbances. The history of occurrences for this hazard is located in the Base Plan in Section 4.18.

3.18.2 Future Probability

There is not historical precedence to accurately predict how often civil disturbances will occur. However, it may be possible to recognize the potential for an event to occur in the near-term, such as times of economic or political unrest. Large events that deal with a controversial topic can often draw protestors. Local law enforcement should anticipate these types of events and be prepared to handle a crowd so that peaceful gatherings are prevented from turning into unruly public disturbances.

3.18.3 Regional Vulnerability

The following table reflects each jurisdiction’s vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Municipal buildings lend themselves to security issues.
North Royalton	The community reported this hazard was not applicable.
Parma	All of our government buildings do not have external protections.
Parma Heights	None of our government buildings have restricted parking or perimeter fencing. Our police department has video surveillance of their parking lot. The fire department is hoping to have it soon.

3.19. Building/Structural Collapse

3.19.1 History of Occurrences

There have been no recorded building/structural collapse events in the Southcentral Planning Region in the past 20 years.

3.19.2 Future Probability

There is not enough historical precedence to predict when building/structural collapse event may occur within the Southcentral Planning Region.

3.19.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Railroad bridges are old and deteriorating.
North Royalton	The community reported this hazard was not applicable.
Parma	Many of our homes on the north side pre-date WWII. With a large earthquake could suffer severe damage.
Parma Heights	Fire Station was built in the 1940s and 1960s. This is susceptible to building collapse.

3.20. Active Shooter Incident

3.20.1 History of Occurrences

There has been no recorded active shooter in the Southcentral Planning Region in the past 20 years.

3.20.2 Future Probability

There is not enough historical precedence to predict when an active shooter event may occur within the Southcentral Planning Region.

3.20.3 Regional Vulnerability

The following table reflects each jurisdiction's vulnerability response from the Vulnerability Assessment form.

Jurisdiction/ Organization	Vulnerability Assessment Response
Brooklyn	Officers, staff, and students require training on how to deal with this type of event.
North Royalton	Lack more officers to respond to such a threat
Parma	Local Police and Fire Departments need more integrated training on this to better serve the county.
Parma Heights	The community reported this hazard was not applicable.

Section 4. Mitigation Strategy

The intent of the Mitigation Strategy is to provide Cuyahoga County and its municipalities with the goals that will serve as the guiding principles for future mitigation policy and project administration, along with a list of proposed actions deemed necessary to meet those goals and reduce the impact of natural, technological, and man-made hazards. It is designed to be comprehensive and strategic in nature.

The development of the strategy included a thorough review of natural, technological, and man-made hazards and identified policies and projects intended to not only reduce the future impacts of hazards, but also to help the County achieve compatible economic, environmental and social goals. The development of this section is also intended to be strategic, in that all policies and projects are linked to establish priorities assigned to specific departments or individuals responsible for their implementation and assigned target completion deadlines. Funding sources are identified that can be used to assist in project implementation.

- **Mitigation goals** are general guidelines that explain what the County wants to achieve. Goals are usually expressed as broad policy statements representing desired long-term results.
- **Mitigation objectives** describe strategies or implementation steps to attain the identified goals. Objectives are more specific statements than goals; the described steps are usually measurable and can have a defined completion date.
- **Mitigation Actions** provide more detailed descriptions of specific work tasks to help the County and its municipalities achieve prescribed goals and objectives.

4.1. Regional Capability Assessment

The mitigation strategy includes an assessment of the capabilities to augment known issues and weaknesses from identified natural, technological, and man-made hazards.

4.1.1 Ability to Expand on Existing Capabilities

The planning process used surveys to determine the existing capabilities of the jurisdictions within the Southcentral Planning Region. These capabilities can be expanded upon with the proper influx of funds or personnel. Should additional state or federal funding become available to specifically augment existing capabilities, then the jurisdictions represented in this plan would be able to improve their capabilities. Additionally, as personnel turn over, they may be replaced with individuals with skillsets not captured in these surveys. The communities within the region will continue to develop their capabilities over time and expand upon them where they are able.

Planning and Regulatory Capability: The table below summarizes each community's planning and regulatory capabilities. These are the plans and policies that jurisdictions have in place that can help to further mitigation.

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TABLE 4-1 PLANNING AND REGULATORY CAPABILITIES

Tool/Program	Brooklyn	North Royalton	Parma	Parma Heights
Hazard Mitigation Plan	UD	UD	UD	UD
Emergency Operations Plan	X	X	X	X
Disaster Recovery Plan	X	X	X	X
Evacuation Plan	X	X	X	
Continuity of Operations Plan	X	X	X	X
Floodplain Regulations	X	X		
Floodplain Management Plan	X	X		X
Zoning Regulations	X	X	X	X
Subdivision Regulations		X		
Comprehensive Plan	X	X	X	X
Open Space Management Plan	X	X		X
Stormwater Management Plan	X	X	X	X
Natural Resource Protection Plan	X	X	X	X
Capital Improvement Plan	X	X	X	X
Economic Development Plan	X	X	X	X
Historic Preservation Plan		X	X	X
Farmland Preservation				
Building Code	X	X	X	X
Fire Code	X	X	X	X
Firewise				
Storm Ready				
Other				

UD = Under Development

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Administrative and Technical Capability: The table below provides a summary of administrative and technical capabilities organized by staff type and department. It is important to understand current administrative and technical capabilities before developing a myriad of mitigation activities.

TABLE 4-2 ADMINISTRATIVE AND TECHNICAL CAPABILITIES

Tool/Program	Brooklyn	North Royalton	Parma	Parma Heights
Planners (with land use / development knowledge)	X	X		X
Engineers	X	X	X	X
Emergency Manager	X	X	X	X
Floodplain Manager				X
Land Surveyor	X			X
Scientists				
GIS Personnel	X		X	X
Grant Writers	X		X	X
Other				

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Fiscal Capability: This section identifies the financial tools or resources that the communities in the region could potentially use to help fund mitigation activities. Fiscal capabilities include community specific as well as state and federal resources.

TABLE 4-3 FISCAL CAPABILITIES

Tool/Program	Brooklyn	North Royalton	Parma	Parma Heights
Capital Improvement Planning	X	X	X	X
Community Development Block Grant	X	X	X	X
Special Purpose Taxes		X		X
Gas / Electric utility fees	X	X	X	
Water / Sewer fees	X	X	X	X
Stormwater utility fees	X	X	X	
Development impact fees		X		
General obligation, revenue, or special tax bonds	X	X		X
Partnering / Intergovernmental arrangements	X		X	X
Other	X*			

X* = Bed Tax for hotels

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Self-Assessment of Capability: The table below is each community's estimated degree of capability.

TABLE 4-4 OVERALL DEGREE OF CAPABILITY

Area	Brooklyn	North Royalton	Parma	Parma Heights
Planning and Regulatory Capability	H	H	M	M
Administrative and Technical Capability	M	M	L	M
Fiscal Capability	H	H	M	M

L=Limited; M=Moderate; H-High

4.2. Mitigation Actions

4.2.1 2017 Mitigation Action Review

In the form "Previous Mitigation Actions," each participating jurisdiction reviewed mitigation actions from the 2017 HMP and determined each action to be; deferred into the new plan, changed to reflect an update in priorities, in progress, completed, or deleted. These actions can be found in Table 4-5. Actions marked as "Completed" were finished between the drafting of the 2017 HMP, and the 2022 HMP. Deletion of an action generally refers to that action no longer being a priority to the community; any other reasoning for the action being deleted is identified in the table.

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TABLE 4-5 PREVIOUS MITIGATION ACTION STATUS

Action	Jurisdiction (Find the action applicable to your community and fill out the status on the right)	Status (Completed / Carrying to New Plan / Removed from Plan / In Progress)
Develop partnerships to enhance stormwater regulations countywide.	All jurisdictions	<u>Carrying to New Plan</u> – Brooklyn <u>In Progress</u> – Parma, Parma Heights, North Royalton
Create model ordinances addressing streambank erosion to establish increased continuity among communities.	All jurisdictions	<u>Completed</u> – North Royalton <u>Carrying to New Plan</u> – Parma, Brooklyn, Parma Heights
Install diversion devices on roadways prone to flash flooding throughout the County. The devices would be intended to either dissuade or inhibit drivers from attempting to navigate flooded roadways.	All jurisdictions	<u>Carrying to New Plan</u> – Parma, Brooklyn <u>In Progress</u> – Parma Heights, North Royalton
Develop a plan that addresses maintenance of the waterways and drainage concerns.	All jurisdictions	<u>Carrying to New Plan</u> – Brooklyn <u>In Progress</u> – Parma, Parma Heights, North Royalton
Map areas that flood that are outside of the SFHA.	All jurisdictions	<u>Carrying to New Plan</u> – Parma, Brooklyn <u>In Progress</u> – Parma Heights, North Royalton
Coordinate higher floodplain regulation standards across all NFIP communities in the County	All jurisdictions	<u>Carrying to New Plan</u> – Parma, Brooklyn <u>In Progress</u> – Parma Heights, North Royalton
Educate the public through an awareness campaign about severe winter storms prior to impending approaching storms.	Brooklyn	In Progress
Construct a warming facility for senior citizens.	Brooklyn	Completed
Implement an ordinance that will allow the NEORS to collect fees where 25% will go to future local flood mitigation projects, and 75% will go to regional projects.	North Royalton	Completed
Contract with a firm to create a disaster recovery plan that will provide details actions for flood, tornado, and storm incidents.	Parma	Carrying to New Plan
Upgrade the Fire Department and Police Department generators, and install a generator at City Hall	Parma Heights	Completed
Damage repair for 18 properties from flooding events	Parma	Carrying to New Plan

4.2.2 Mitigation Action Development

Mitigation actions are the culmination of the entire mitigation plan. These actions are based on the vulnerabilities of each community, as identified in the Risk Assessment.

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Mit. Action #	Community	Hazard(s) Addressed	Action	Responsible Party	Cost	Timeframe	Potential Funding Sources	Priority
1	Brooklyn, Parma, Parma Heights, Brooklyn, Parma, Parma Heights, North Royalton	Flooding	Create model ordinances addressing streambank erosion to establish increased continuity among communities.	Local Mayors, and Village Administrators of: Brooklyn, Parma, Parma Heights	Staff time and resources	Medium Term (2-3 years)	Existing Funds	10
2	Brooklyn, Parma, Parma Heights, North Royalton	Flooding	Develop partnerships to enhance stormwater regulations countywide.	Local Mayors, and Village Administrators of: Brooklyn, Parma, Parma Heights, North Royalton	Staff time and resources	Long Term (4-5 years)	Existing Funds	10
3	Brooklyn, Parma, Parma Heights, North Royalton	Flooding	Install diversion devices on roadways prone to flash flooding throughout the County. The devices would be intended to either dissuade or inhibit drivers from attempting to navigate flooded roadways.	Local Mayors, and Village Administrators of: Brooklyn, Parma, Parma Heights, North Royalton	\$1.2 million	Short Term (0-1 years)	FEMA HMGP, Existing Funds	8
4	Brooklyn, Parma, Parma Heights, North Royalton	Flooding	Develop a plan that addresses maintenance of the waterways and drainage concerns.	Local Mayors, and Village Administrators of: Brooklyn, Parma, Parma Heights, North Royalton	\$20,000	Medium Term (2-3 years)	FEMA HMGP, Existing Funds	9
5	Brooklyn, Parma, Parma Heights, North Royalton	Flooding	Map areas that flood that are outside of the SFHA.	Local Mayors, and Village Administrators of: Brooklyn, Parma, Parma Heights, North Royalton	Staff time and resources	Long Term (4-5 years)	Existing Funds	10
6	Brooklyn, Parma, Parma Heights, North Royalton	Flooding	Coordinate higher floodplain regulation standards across all NFIP communities in the County	Local Mayors, and Village Administrators of: Brooklyn, Parma, Parma Heights, North Royalton	Staff time and resources	Long Term (4-5 years)	Existing Funds	10
7	Brooklyn	Severe Winter Storms	Educate the public through an awareness campaign about severe winter storms prior to impending approaching storms. Partner with Cuyahoga County to mitigate flooding on Brooklyn Rd near Sam's Club	Mayor of Brooklyn	\$1,000	Long Term (4-5 years)	Existing funds	10
8	Brooklyn	Flooding		Economic Development Director	\$1,000,000	Near Term (0-1 years)	FEMA FMA, local match	10

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Mit. Action #	Community	Hazard(s) Addressed	Action	Responsible Party	Cost	Timeframe	Potential Funding Sources	Priority
9	North Royalton	Landslides	Address residential erosion behind homes on Royalton Road East of North Akins	Engineer	\$500,000	Medium Term (2-3 years)	FEMA HMGP, local match	7
10	North Royalton	Flooding	Reduce high wet weather flows in our sanitary sewers, specifically at NEORSD PFA ID NR-01A, NR-01B, NR-02A, NR-02B, NR-03 and NRPA-01	Wastewater Manager	\$500,000	Medium Term (2-3 years)	FEMA FMA, Local match	8
11	North Royalton	Flooding	Provide better stormwater drainage on Corkwood, Malvern, and throughout the region	City Engineer	\$250,000	Medium Term (2-3 years)	FEMA FMA	7
12	Parma	Flooding, Tornadoes, Severe Thunderstorms	Contract with a firm to create a disaster recovery plan that will provide details actions for flood, tornado, and storm incidents.	Parma Mayor	\$100,000	Long Term (4-5 years)	FEMA HMGP, existing funds	10
13	Parma	Flooding	Increasing sewer sizes or providing detention in targeted areas that have been identified by the regional sewer district	City Engineer	\$1,000,000	Long Term (4-5 years)	FEMA BRIC/HMGP/FMA	9
14	Parma	Flooding	New storm sewers, Forest Ave, Fortune, Brookdale	Public Works Coordinator	\$1,000,000	Near Term (0-1 years)	FEMA, Capital Improvement	8
15	Parma	Flooding	Ridge Rd. Storm Sewer maintenance project	Public Works Coordinator	\$1,000,000	Near Term (0-1 years)	FEIMA, Capital Projects, American Rescue Plan Act of 2021	8
16	Parma	Flooding	West Ridgewood Sewer Project	Public Works Coordinator	\$800,000	Near Term (0-1 years)	American Rescue Plan Act of 2021, capital monies, CDBG	9
17	Parma	Flooding	State Road Sewer Project	Public Works Coordinator	\$1,000,000	Near Term (0-1 years)	American Rescue Plan Act of 2021, CDBG, Capital monies	7
18	Parma	Flooding	West Ridgewood Sewer Project	Public Works Coordinator	\$1,000,000	Near Term (0-1 years)	Capital Monies, American Rescue Plan Act of 2021	8
19	Parma	Flooding	Sprague Rd. sewer project and culvert pipes	Public Works Coordinator	\$1,000,000	Medium Term (2-3 years)	American Rescue Plan Act of 2021, CDBG, Capital Monies	8

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Mit. Action #	Community	Hazard(s) Addressed	Action	Responsible Party	Cost	Timeframe	Potential Funding Sources	Priority
20	Parma Heights	Health Related Emergencies	Hire additional staff to provide sufficient mitigation and response	Parma Heights Mayor	\$200,000	Medium Term (2-3 years)	Local funds, safety levy	5
21	Parma Heights	Severe Thunderstorms, Tornadoes, Utility Disruption	Underground utilities on main thoroughfares, including Pearl Road, Stumph Road, York Road, and W. 103rd	Public Service Director	\$4,000,000	Long Term (4-5 years)	Local funds, special transportation assessment	1
22	Parma	Flooding	Damage repair for 18 properties from flooding events.	Public Works Coordinator	\$500,000	Medium Term (2-3 years)	FEMA BRIC/HMGP/FMA	10

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RESOLUTION NO. 2023 – 2

A RESOLUTION AUTHORIZING THE ADMINISTRATION TO RENEW A MEMORANDUM OF UNDERSTANDING WITH THE CUYAHOGA COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE NORTHEAST OHIO REGIONAL SEWER DISTRICT FOR THE PROVISION OF TECHNICAL ASSISTANCE IN IMPLEMENTING SOIL AND WATER CONSERVATION MEASURES FOR THE YEAR 2023, AND DECLARING AN EMERGENCY

BE IT RESOLVED by the Council of the City of Parma Heights, County of Cuyahoga and State of Ohio:

Section 1: The Administration is authorized to renew a Memorandum of Understanding (Letter of Acknowledgment) with the Cuyahoga County Soil and Water Conservation District and the Northeast Ohio Regional Sewer District for the provision of technical assistance in soil and water conservation measures for the year 2023 in an amount not to exceed six thousand dollars (\$6,000), with the Northeast Ohio Sewer District providing an appropriation to pay the Cuyahoga Soil and Water Conservation District to carry out the services set forth in the form of Exhibit "A", attached hereto and incorporated by reference.

Section 2: This Council finds and determines that all formal actions of this Council concerning and relating to the adoption of this resolution were taken in an open meeting of this Council and that all deliberations of the Council and of any of its Committees comprised of a majority of the members of the Council that resulted in those formal actions were in meetings open to the public, in compliance with the law.

Section 3: This Resolution is declared to be an emergency measure necessary for the public peace, health, and safety of the Municipality, and for the further reason that it is necessary to continue uninterrupted technical assistance to the City; wherefore, this Resolution shall be in full force and effect immediately after its passage by Council and approval by the Mayor.

PASSED: _____

PRESIDENT OF COUNCIL

ATTEST: _____
CLERK OF COUNCIL

APPROVED

FILED WITH
THE MAYOR: _____

MAYOR MARIE GALLO

EXHIBIT A



3311 Perkins Avenue, Suite 100
Cleveland, Ohio 44114
216-524-6580
www.cuyahogaswcd.org

Letter by Email

December 23, 2022

Hon. Mayor Marie Gallo
City of Parma Heights

RE: One-Year Agreement for PIPE Services

Dear Mayor Gallo:

In 2021, your community entered into a five-year agreement with Cuyahoga Soil & Water Conservation District (SWCD) and the Northeast Ohio Regional Sewer District (NEORS) for services related to your community's mandated Public Involvement and Public Education (PIPE) program (under the Ohio EPA Municipal Separate Storm Sewer System (MS4) Permit). Cuyahoga SWCD implements your annual program, at a cost of \$6,000, which is annually reimbursed by NEORS.

Under the MS4 permit, your community is required to develop, implement, and enforce a Stormwater Management Plan that addresses six Minimum Control Measures, two of which are:

- **MCM #1: Public Education and Outreach**
- **MCM #2: Public Participation and Involvement**

Together **MCM #1 and #2** make up the PIPE Program. Criteria for the PIPE Program is to identify stormwater pollution concerns, have measurable goals, reach a variety of audiences, actively involve potentially affected stakeholder groups, and evaluate the program's success. All of this must be reported annually to Ohio EPA.

Cuyahoga Soil & Water Conservation District will continue to implement the PIPE Program and your community will be reimbursed for the program costs in 2023, providing we receive your acknowledgement (see below), and the annual fee of \$6,000 is paid to the Cuyahoga SWCD. **Once your annual payment is received by Cuyahoga SWCD, they will in turn submit the paperwork for your reimbursement to NEORS on your municipality's behalf.** NEORS will then process the request and provide the \$6000.00 reimbursement directly to the city.

You may scan and email the letter of acknowledgement to Teresa Haendiges at thaendiges@cuyahogaswcd.org or mail to:

Cuyahoga Soil & Water Conservation District
3311 Perkins Avenue #100
Cleveland, Ohio 44114

In the meantime, the staff is wrapping up this year's activities and will prepare the annual report in early 2023. If you require assistance, please contact Teresa at 216-524-6580, ext. 1000.

Sincerely,

A handwritten signature in cursive script that reads "Kristin Hall".

Kristin Hall
Executive Director

(Please copy onto community letterhead)

Cuyahoga Soil & Water Conservation District
Attn: Kristin Hall
3311 Perkins Avenue, Suite 100
Cleveland, OH 44114

**PUBLIC INVOLVEMENT PUBLIC EDUCATION PROGRAM
CONTINUATION OF SERVICES
2023**

Dear Ms. Hall:

This letter serves as an acknowledgement of our community's desire to continue to utilize the services of the Cuyahoga Soil & Water Conservation District as required under the community's Municipal Storm Water Program (MS4 permit), to address **MCM #1: Public Education and Outreach** and **MCM #2: Public Participation and Involvement**. Combined, these two minimum control measures are the Public Involvement/Public Education (PIPE) Program.

Upon receipt of an invoice, the community agrees to pay \$6,000 to the Cuyahoga Soil & Water Conservation District (SWCD) for implementation of this program. **Once payment is received by Cuyahoga SWCD the application for the community's reimbursement of \$6000.00 for the annual program cost will be sent to NEORS**D for reimbursement processing.

Sincerely,

Mayor

cc. Director of Finance

Please complete the acknowledgement below and return by January 13, 2023. You may scan and email the letter of acknowledgement to Teresa Haendiges at thaendiges@cuyahogaswcd.org or mail to:

Cuyahoga Soil & Water Conservation District
3311 Perkins Avenue #100
Cleveland, Ohio 44114

RESOLUTION NO. 2023 - 3

A RESOLUTION AUTHORIZING THE ADMINISTRATION TO ENTER INTO A PURCHASE AGREEMENT FOR ONE (1) 2023 FORD F-750 TRUCK FROM LIBERTY FORD AT A STATE PURCHASE PRICE OF \$115,285.00, AND DECLARING AN EMERGENCY

WHEREAS, the Director of Public Service has determined the need for and recommends that this Council authorize the purchase of a new service truck for the efficient operation of the Department of Public Service; and

WHEREAS, Liberty Ford has one (1) 2023 Ford F-750 for a price of One Hundred Fifteen Thousand, Two Hundred and Eighty-Five Dollars (\$115,285.00) as identified in Exhibit "A" attached hereto; and

WHEREAS, Council may authorize the Purchase Agreement pursuant to the State Purchasing Program without competitive bidding process based upon the authority granted to it in Article V Section 6 of the Charter, and Sections 145.08 and 145.09 of the Codified Ordinances.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Parma Heights, County of Cuyahoga, and State of Ohio:

Section 1: That the Administration is authorized to purchase from Liberty Ford one (1) 2023 Ford F-750 Truck for the sum of One Hundred Fifteen Thousand, Two Hundred and Eighty-Five Dollars (\$115,285.00) as described in Exhibit "A", attached hereto and incorporated by reference.

Section 2: This Council finds and determines that all formal actions of this Council concerning and relating to the adoption of this Resolution were taken in an open meeting of this Council and that all deliberations of the Council and of any of its Committees comprised of a majority of the members of the Council that resulted in those formal actions were in meeting open to the public, in compliance with the law.

Section 3: This Resolution is declared to be an emergency measure necessary for the public peace, health, and safety of the Municipality, and for the further reason it is immediately necessary to authorize a purchase agreement to retain this price; wherefore, this Resolution shall be in full force and effect immediately upon its passage by Council and approval by the Mayor.

PASSED: _____

PRESIDENT OF COUNCIL

ATTEST: _____
CLERK OF COUNCIL

APPROVED

FILED WITH
THE MAYOR: _____

MAYOR MARIE GALLO



EXHIBIT A

3101 CENTER ROAD
BRUNSWICK OH 44212
330-225-9141

Cust#: 7241224
Deal Number: 148903
Date: 12/08/2022
County: CUYAHOGA
DOB: N/A
Issuing State: Exp. Date:

RETAIL PURCHASE AGREEMENT

Purchaser's Name(s): CITY OF PARMA HEIGHTS
Address: 6281 PEARL RD PARMA HEIGHTS OH 44130
Telephone (1) : 440-724-1224 Telephone (2) : N/A
Email: N/A D.L./State I.D.# Issuing State: Exp. Date:

The above information has been requested so that we may verify your identity. By signing below, you represent that you are at least 18 years of age and have authority to enter into this Agreement. The Odometer Reading for the Vehicle you are purchasing is accurate unless indicated otherwise. Please refer to the Federal Mileage Statement for full disclosure.

YEAR 2023	MAKE FORD	MODEL F750	COLOR OXFORD WHITE	STOCK NO. TC60000
VIN/SERIAL NO. 1FDWF7DX3PDF04467		ODOMETER READING <input type="checkbox"/> Not Accurate	54	SALESPERSON MIKE EISENHARDT
THE VEHICLE IS: <input checked="" type="checkbox"/> NEW <input type="checkbox"/> USED		PRIOR USE DISCLOSURE: <input type="checkbox"/> DEMONSTRATOR <input type="checkbox"/> FACTORY OFFICIAL <input type="checkbox"/> RENTAL <input type="checkbox"/> OTHER N/A		
WARRANTY STATEMENT		CASH PRICE OF VEHICLE		
We are selling this Vehicle to you AS-IS and we expressly disclaim all warranties, express and implied, including any implied warranties of merchantability and fitness for a particular purpose. Any warranties by a manufacturer or supplier other than our Dealership are theirs, not ours, and only such manufacturer or supplier shall be liable for performance under such warranties. We neither assume nor authorize any other person to assume for us any liability in connection with the sale of the Vehicle and the related goods and services.		115000.00		
CONTRACTUAL DISCLOSURE STATEMENT (USED VEHICLES ONLY) The information you see on the window form for this Vehicle is part of this contract. Information on the window form overrides any contrary provisions in the contract of sale. Traducción Española: Guía para compradores de vehículos usados. La información que aparece en la ventanilla de este vehículo forma parte de este contrato. La información contenida en el formulario de la ventanilla anula cualquier provisión que establezca lo contrario y que aparezca en el contrato de venta.		N/A		
TRADE-IN VEHICLE INFORMATION		N/A		
Year: N/A	Make: N/A	Model: N/A	Color: N/A	N/A
VIN/Serial No: N/A	Odometer Reading: <input type="checkbox"/> Not Accurate	N/A		
Trade-In Allowance: N/A	Balance Owed & Lienholder: N/A	**Negative Equity: N/A	N/A	
**NEGATIVE EQUITY: You are aware that the Balance Owed on your Trade-In/Lease Turn-In Vehicle exceeds the Trade-In Allowance from us and, as a result, you have requested that the Total Due be increased by the difference (known as the "Negative Equity" amount).		N/A		
X N/A X N/A		N/A		
OTHER MATERIAL UNDERSTANDINGS AND INTEGRATED DOCUMENTS		Document Fee 250.00		
<input checked="" type="checkbox"/> PLEASE SEE THE DELIVERY CONFIRMATION		TOTAL SELLING PRICE 115250.00		
<input checked="" type="checkbox"/> PLEASE SEE THE CONDITIONAL (SPOT) DELIVERY AGREEMENT-LIMITED RIGHT TO CANCEL		LESS: TRADE-IN ALLOWANCE(S) N/A		
*The Deposit/Down Payment received from you is not refundable, except as set forth in this Retail Purchase Agreement. In the case of a Deposit, we will refrain from selling the Vehicle for N/A days.		SUBTOTAL 115250.00		
X N/A X N/A		TAXABLE PRICE \$ 115250.00		
I will participate in a vehicle inspection and pre-suit mediation in the county where the dealer is located before filing any legal action of any kind involving the sale, use, repair, or condition of the product purchased.		SALES TAX N/A % N/A		
X N/A X N/A		TEMP TAG TITLE REGISTRATION FILING \$ 20.00 \$ 15.00 N/A N/A 35.00		
		N/A N/A		
		PLUS: BALANCE OWED ON TRADE-IN(S) (Includes any Negative Equity*) N/A		
		TOTAL DUE 115285.00		
		LESS DEPOSIT/DOWN PAYMENT* N/A		
		LESS REBATE N/A		
		N/A N/A		
		LESS CASH DUE AT DELIVERY N/A		
		AMOUNT TO BE FINANCED (See Paragraphs 11, 15, and 17) 115285.00		

Waiver of Jury Trial: By signing below the Dealership and Purchaser knowingly, voluntarily and intentionally waive any right they may have to a trial by jury in any litigation based upon or arising out of this Agreement, any document related to this transaction, or any course of conduct, dealing, statements (whether oral or written), or any act of Dealership or Purchaser.

This Retail Purchase Agreement and any documents which are a part of this transaction or incorporated herein (collectively, this "Agreement") comprise the entire agreement between the parties and no other agreement has been made or will be recognized. I have read all of the terms and conditions of this Agreement and agree to them as if they were printed above my signature. I further acknowledge receipt of a copy of this Agreement. This Agreement shall not become binding until signed and accepted by an Authorized Dealership Representative. No oral representations have been made to the purchaser.

Purchaser: N/A Date: 12/08/2022
Accepted by Authorized Dealership Representative: Date: 12/08/2022
Purchaser: DealerCAP
97099*1*LFB-FI
CATALOG # 8963015_CUSTOM © 2021 CDK Global, LLC Ohio (11/21)

ORDINANCE NO. 2023 - 4

**AN ORDINANCE AMENDING CHAPTER 1301 OF THE PARMA HEIGHTS
CODIFIED ORDINANCES TO PROVIDE FOR ADOPTION OF THE RESIDENTIAL
CODE OF OHIO, AS MAY BE AMENDED BY THE STATE OF OHIO
FROM TIME TO TIME**

WHEREAS, the Director of Public Service and Chief Building Official recommend that Chapter 1301 of the City of Parma Heights Codified Ordinances be updated and amended, in part, to refer to, adopt, and incorporate the Residential Code of Ohio, as may be amended by the State of Ohio, Board of Building Standards, from time to time; and

WHEREAS, Ohio Revised Code Section 731.231 grants the City full authority to adopt, enforce, and incorporate by reference the Residential Code of Ohio.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Parma Heights, County of Cuyahoga, and State of Ohio:

Section 1: That Chapter 1301 of the Codified Ordinances shall be amended and, as amended, shall henceforth read as shown by edits set forth in Exhibit "A", which is attached hereto and incorporated by reference.

Section 2: This Council finds and determines that all formal actions of this Council concerning and relating to the adoption of this Ordinance were taken in an open meeting of this Council and that all deliberations of the Council and of any of its Committees comprised of a majority of the members of the Council that resulted in those formal actions were in meeting open to the public, in compliance with the law.

Section 3: That this Ordinance shall take effect and be in force from and after the earliest date provided for by law.

PASSED: _____
PRESIDENT OF COUNCIL

ATTEST: _____
CLERK OF COUNCIL APPROVED

FILED WITH
THE MAYOR: _____
MAYOR MARIE GALLO

EXHIBIT A

CHAPTER 1301 **Ohio Residential Code of Ohio**

EDITOR'S NOTE: Chapter 1301, formerly titled "Regional Dwelling House Code" was repealed, re-enacted and re-titled "Ohio Residential Code" by Ordinance 2002-37, passed October 15, 2002.

1301.01 ~~1999 edition~~ Residential Code of Ohio adopted.

1301.02 File copies.

1301.03 Amendments and additions.

1301.99 Penalty.

CROSS REFERENCES

Adoption of technical codes - see Ohio R.C. 731.231

Ohio Building Code - see Ohio R.C. 3781.10, BLDG. Ch. 1303

Planning Commission - see P. & Z. 1101.01 et seq.

Board of Zoning Appeals - see P. & Z. 1139.01 et seq.

Building Inspector - see BLDG. 1323.01 et seq.

Smoke detectors - see FIRE PREV. 1505.02(BOCA F-510.0)

1301.01 ~~1999 EDITION~~ RESIDENTIAL CODE OF OHIO ADOPTED.

Pursuant to Ohio R.C. 731.231, the City adopts, enforces, and incorporates herein by reference there is hereby adopted, for the purpose of establishing rules and regulating the fabrication, erection, construction, enlargement, alteration, repair, location and use of detached one-, two- and three-family dwellings, their appurtenances and accessory structures, that certain Code known as the Residential Code of Ohio, 1999 Ohio Residential Code, copyright 2000, by International Code Council, Inc., as adopted and certified by the Ohio Board of Building Standards, pursuant to Revised Code 3781.10, as may be amended by said Board from time to time, and which is codified as Ohio Administrative Code 4101:8, save and except such portions as are hereinafter modified or deleted.

(Ord. 2002-37. Passed 10-15-02.)

1301.02 FILE COPIES.

A complete copy of the Ohio Residential Code of Ohio, as adopted in Section 1301.01, is on file with the Clerk of Council for inspection by the public. One

copy shall also be on file in the Parma Heights Library Cuyahoga County Law Library. The Clerk of Council has copies available for distribution to the public at cost.

1301.03 AMENDMENTS AND ADDITIONS.

The Ohio Residential Code of Ohio adopted in Section 1301.01 is hereby amended as follows:

Section 104.1 GENERAL. (Amended)

~~—The building inspector is hereby authorized and directed to administer and enforce all of the provisions of this code.~~

Section 104.2 REFERENCED STANDARDS. (Amended)

~~—The most current edition of each listed standard at the time of application for a permit shall be deemed the governing standard, not necessarily the standards listed in this chapter.~~

~~—For additional standards for materials or systems not included in this Code, refer to the Appendices of the Ohio Basic Building Code, current edition.~~

a) Section 111.8 107.5.3 POSTING BUILDING SITE. (Added)

Post permit (given by the Building Department) immediately.

Application

1. Fill out permit application completely.
2. Three (3) complete sets of building plans.
3. Three (3) sets of plot plans.

Section 112.3 PLANS. (Added)

~~—With your Building Permit you will receive two (2) sets of your submitted plans and two (2) plot plans stamped and signed "approved". Any desired change afterward is, either plans or plot plan, must be resubmitted and approved by the Building Commissioner before proceeding with any of the work.~~

Section 113.1.4(a) OTHER INSPECTIONS. (Added)

~~—Following inspections are required:~~

- ~~—1. Footer inspection before pouring concrete.~~
- ~~—2. Foundation and drains before back-filling.~~
- ~~—3. All framing (rough).~~
- ~~—4. All electrical (rough).~~

~~—5. Final finish framing.~~

~~—6. Final electrical inspection.~~

Section 113.1.6 PERIODIC INSPECTION. (Added)

~~—A permit shall be required for the occupancy of any new residential dwelling or commercial building. This permit shall be issued only if the residential dwelling or commercial building conforms to the Building Code. In case of hardship, a permit for occupancy of any new residential dwelling may be issued by the Building Inspector if arrangements for compliance to the Building Code have been made to his satisfaction. A one thousand dollar (\$1,000.00) cash deposit shall be made with the Director of Finance in the event a permit for occupancy for a residential dwelling is granted because of hardship. This deposit shall be required to guarantee compliance with the Building Code. In the event such compliance shall not have been made to the satisfaction of the Building Inspector, it shall be forfeited. The forfeiture of the deposit shall not in any manner affect the right of any court to further penalize the individual making the deposit in conformity with the penalty section of the Building Code.~~

—Section 118 STOP WORK ORDERS. (Amended)

~~—Upon notice in the form hereafter prescribed from the Building Official or his duly appointed assistant that work on any building or structure is being done contrary to the provisions of the Residential Code or in a dangerous or unsafe manner, such work shall be immediately stopped. Such notice shall be in writing, shall provide for a signature by the Building Official or his duly appointed assistant who has discovered the violation and shall state the reason for stopping the work. It shall be a sufficient statement of the reason to cite the section of the Residential Code which has been violated.~~

~~—The notice shall be delivered to the owner of the property or to his agent or to the person in charge of the work at the site. In lieu of such delivery, a copy of the notice shall be posted on the front door of the building or structure containing the violation. Within one working day after such posting, a copy thereof shall be mailed to the address of the application for the building permit as it appears on such application. If the building or structure has no front door or has not yet reached a point of construction so the position of the front door is identifiable, it shall be sufficient to post such notice on any part of the front of the building.~~

~~—The notice shall recite that no further work of any kind shall be done on the premises containing the building or structure. Any person who does any work whatsoever either on the building or structure or on the premises containing the building or structure, while such notice is in effect, shall be deemed guilty of a misdemeanor and, upon conviction thereof, shall be punished as provided by ordinance. Work may be resumed only when the violation has been corrected and the Building Official or his duly appointed assistant has been notified, a reinspection has been performed and the corrective work approved as in compliance with the Residential House Code.~~

~~—No person shall remove, mutilate or destroy a stop work notice without the authority of the Building Official.~~

Section 202 GENERAL BUILDING DEFINITIONS. (Amended)

~~—MANUFACTURED HOME. A structure, transportable in one or more sections, which in the traveling mode is 8 body feet or more in width or 40 body feet or more in length, or, when erected on site, is 960 square feet or more, and which is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, and include the plumbing, heating, air conditioning and electrical system contained therein. For the purposes of these provisions, a mobile home shall not be considered a manufactured home. Mobile homes are prohibited as principal or accessory structures for residential use.~~

b) Section 304 304.4 MINIMUM ROOM AREAS. (Added)

Minimum area requirements. In addition to the minimum room area standards imposed by Section 304 of the Residential Code of Ohio, as incorporated herein, each dwelling unit shall contain a bathroom and an area for each of the following uses: living, cooking, dining and sleeping and, in addition, a cellar, a basement or a utility room. The utility room shall have a minimum floor area of ninety square feet. Each basementless dwelling shall have, in addition to the utility room and minimum required garage area, a storage space of not less than 320 cubic feet with a minimum ceiling height to eight feet.

Minimum Areas or Dimensions

<u>Space use</u>	<u>Area</u>	<u>Minimum Dimension</u>
Living	240 sq. ft.	12 feet, 8 inches
Dining	120 sq. ft.	10 feet
1st sleeping area	160 sq. ft.	12 feet, 4 inches
2nd sleeping area	120 sq. ft.	11 feet, 4 inches
3rd sleeping area	100 sq. ft.	9 feet, 4 inches
4th or more additional sleeping areas	90 sq. ft.	9 feet
Cooking (kitchen)	130 sq. ft.	9 feet
Living-dining combination	360 sq. ft.	
Dining-cooking combination	170 sq. ft.	11 feet, 4 inches

**Additional areas shall be provided for the necessary hallways or other interconnecting spaces, closets and that area occupied by partitions. Two adjoining areas shall be considered a combination space use if the area of the wall between the two areas is less than twenty-five percent of the open space between such areas.

Bathroom-

~~—Each dwelling unit shall contain a least a water closet, lavatory and tub or stall shower in a room or rooms in which the fixtures shall be arranged so as to provide at least a ninety-degree door swing. Each dwelling having four or more sleeping areas shall have an additional bathroom which shall contain a water closet and lavatory.~~

~~Section 305.1 MINIMUM HEIGHT. (Amended)~~

~~—Habitable rooms, hallways, corridors, bathrooms, toilet rooms, laundry rooms and basements shall have ceiling height of not less than 8 feet. The required height shall be measured from the finished floor to the lowest projection from the ceiling.~~

~~—Exceptions:~~

~~—1. Beams and girders spaced not less than 4 feet (1219 mm) on center shall be permitted to project not more than 6 inches (152 mm) below the required ceiling height.~~

~~—2. Ceiling heights in basements without habitable spaces shall not be less than 6 feet 8 inches (2032 mm) clear except for under beams, girders, ducts or other obstructions where the clear height shall be 6 feet 4 inches (1930 mm).~~

~~—3. Not more than 50 percent of the required floor area of a room or space shall be permitted to have a sloped ceiling less than 7 feet (2134 mm) in height with no portion of the required floor area less than 5 feet (1524 mm) in height.~~

~~Section 306.2 KITCHEN. (Amended)~~

~~—Each dwelling unit shall be provided with a kitchen area and every kitchen area shall be provided with a sink of approved nonabsorbent material. No single residence or home shall be constructed hereafter unless the structure is equipped with an appropriate digester type garbage disposal unit.~~

c) Section 309 309.6 GARAGES. (Added)

Garages attached and detached

A private garage is a building or space used as an accessory to a main building permitted in a residence district and providing for the storage of motor vehicles and in which no occupation, business or services for profit connected in any way with motor vehicles is carried on. Floor Area - The floor area of private garages required for each one and two-family and townhouse dwelling unit shall be in accordance with the following schedule:

<u>Dwelling Types</u>	<u>Minimum</u>	<u>Maximum</u>
One-family dwelling	441 sq. ft.	750 sq. ft.
Two-family dwelling	441 sq. ft.	750 sq. ft.
Three-family dwelling	441 sq. ft.	750 sq. ft.

The area for garages shall be measured from the exterior face of the enclosing walls at ground floor level.

Detached garages - wood frame construction

1. For garages larger than 600 square feet, the bottom of footings of frame garages shall be not less than 42 36 inches below finished grade, unless supported on a reinforced concrete slab as provided in the following paragraph.

2. For garages smaller than 600 square feet, the frame garages may be built on a concrete slab, not less than 4 inches thick, reinforced with steel mesh weighing not less than 40 pounds per 100 sq. feet or equivalent reinforcement turned up into a 6-inch width curb, 8 inches high above finished grade to form a wall foundation, with concrete footer below grade of at least 12 inches (known as a thickened haunch). Anchor bolts at all corners with maximum spacing 4 ft. o.c.

3. Studs and rafters shall have a spacing of not more than 16 inches o.c.
4. Rafter ties at eaves may be 2 x 6's with a maximum spacing 4 ft. o.c.
5. Corner bracing must be applied on the outside surface of studs.
6. All garages are to be gable or hip type roofs (no shed type).
7. Garage door header has to be 3-2 x 12 or 2-2 x 12's with a steel flitch plate.
8. Garage downspouts and gutters.

All accessory buildings, including garages, must be provided with proper downspouts and gutters for conducting the water from the roof of such building to a public storm sewer or unobstructed watercourse. Provisions for so conducting storm and rain waters shall be shown on the plans and specifications as submitted in the request for a building permit. In no case shall a downspout or gutter be constructed or maintained in such condition as to discharge water onto the property of another or onto public sidewalks or public streets, or be so constructed or maintained as to cause rain or storm water to flow over the property of another or over sidewalks or streets, whether public or private. Notwithstanding the foregoing, storm water may be discharged over land in accordance with a plan of discharge, approved by the Building Inspector.

9. Doors. Every detached garage of either masonry or wood frame construction shall be provided with an egress door. The minimum size shall be two feet, six inches wide, six feet, eight inches high and one and three-eighths inches thick at the stiles. The door shall swing out of the detached garage and shall be provided with a lock which is always openable from the inside, without the use of a key. All hardware shall be of noncorrosive metal.

10. Attached garages shall be ventilated by a mechanical ventilating system. Minimum 190 CFM.

Section 311.1 EXIT REQUIRED. (Amended)

~~—A required means of ingress and egress from a living unit shall not be through any part of another living unit or through an attached garage. At least one window or other exterior opening in each habitable room shall be so arranged as to permit its use as a means of escape in an emergency. The second floor of a two family flat shall have two stairways to ground floor exits at least twenty feet apart as measured around the periphery of the house, or in the alternative, the second story of a two family flat shall have one stairway to the ground floor exits and shall have an exterior door of a minimum size of two feet and four inches by six feet and eight inches which shall open onto a porch being at least eight feet by ten feet which porch must be at least thirty feet apart from the stairway exit as measured around the periphery of the house.~~

~~Section 311.3 TYPE AND SIZE. (Amended)~~

~~—At least one exterior door opening shall be not less than six feet, eight inches high and three feet wide. Other door openings may be not less than six feet, six inches high and two feet, six inches wide, except that doors to bathrooms, toilet compartments and lavatories may have a width of not less than two feet, four inches. Closet doors may have a width of not less than two feet.~~

~~—Wood exterior doors shall be not less than one and three fourth inches thick. Wood interior doors shall be not less than one and three eighths inches thick, unless otherwise approved.~~

~~Section 311.3(6) SWINGING DOORS. (Added)~~

~~—Whenever there is a swinging door on the exterior wall of a residential dwelling house, there shall be an exterior platform or porch not less than three feet by four feet in size with steps to the finish grade of normal tread and riser, the platform and steps to be constructed in accordance with the Dwelling House Code. The platform shall be no more than one riser below the floor level of the dwelling.~~

~~Section 311.3(b) SLIDING DOORS. (Added)~~

~~—Whenever there is a sliding door in the exterior wall of a residential dwelling house, an exterior platform or porch shall be constructed. The platform or porch shall be not less than four feet projecting out from the building, nor less than the opening, plus six inches on each side, in width, with steps to the finish grade of normal tread and riser. The platform and steps shall be constructed in accordance with the Dwelling House Code. The platform shall be no more than one riser below the floor level of the dwelling.~~

~~Section 320.3.3 DRYWALL CONSTRUCTION. (Added)~~

~~—Wherever drywall construction is specified in this code it shall mean the use of 5/8 inch gypsum board.~~

~~Section 401.2(a) FOUNDATIONS FOR DWELLING HOUSES. (Added)~~

~~—Brick, hollow, vitrified tile, cement blocks, concrete or a combination of these may be used in the foundation of dwellings. However, where cement blocks or concrete are~~

~~used, no more than six inches of such materials shall be exposed to view from the grade line up. Minimum requirements of square feet for foundations (all measurements are to be outside the foundation) shall be as follows:~~

~~—(a) Two-story single-family dwellings—896 square feet;~~

~~—(b) One and one-half story single-family dwellings—1,008 square feet;~~

~~—(c) One-story single-family dwellings—1,230 square feet;~~

~~—(d) The foundation and the building of a split-level single-family dwelling shall be constructed in a manner so that there is at least 1,500 square feet of combined living area, exclusive of loft storage area, basement, open porches and garage;~~

~~—(e) Where any dwelling is constructed without a basement, 180 square feet shall be added to the requirements of subsections (a), (b) and (c) hereof; and~~

~~—An attached garage, whether it be single or double, shall have no effect on the foregoing minimum requirements for single-family dwellings except where such dwellings are one-story and basementless; square footage of attached garage area over and above 240 square feet may be considered up to a maximum of 100 square feet in determining whether or not such dwellings meet the foregoing minimum requirements of subsection (e) hereof.~~

d) Section 401.3(a) 401.3.1 DRAINAGE DURING CONSTRUCTION. (Added)

The flow or disposal of storm water into a sanitary sewer shall not be permitted at any time, including, without limitation, during any phase of construction operations.

e) Section 401.3(b) 401.3.2 STORM DRAINAGE. (Added)

(1) (a) Collected and drained to storm sewer. Roofs and paved areas, yards, courts and open shafts, and every open excavation or part of a lot or premises where water accumulates, shall be drained into a storm sewer, except as otherwise provided in this section. The provisions of this section shall not be interpreted to prohibit the construction or maintenance of a pool or fountain which is provided with drainage approved by the Director of Public Service, and in which the water is not permitted to become stagnant, contaminated or polluted.

(2) (b) Drained to other than storm sewer. Where, in the opinion of the Director of Public Service, no sewer is available, or to mitigate the introduction of substantial amounts of storm water into the city storm sewer system, the storm drainage, from sources described in subsection (1) (a) hereof shall be piped to discharge into the street gutter, splash block or into a receptacle or conducted to another point of disposal, as approved by the Director of Public Service. As an alternative, one or more downspouts may be connected to an approved rain barrel or rain garden as follows:

(2.1) (4) Drained to a rain barrel. Notwithstanding any other provision of this chapter or these Codified Ordinances, one or more downspouts may be diverted into an approved rain barrel or other structural storage container, provided that the overflow

from such appurtenances is directed into the public storm sewer system. Rain barrels or other structural system storage containers shall be covered at all times and incorporate a drainage that directs any overflow away from the building foundation and into the public storm sewer system. The installation of rain barrels or other structural storage containers shall be subject to review and approval of the Director of Public Service or City Engineer or their duly authorized representative, and shall conform to the standards published by the Cuyahoga Soil and Water Conservation District, and as amended.

(2.2) ~~(2)~~ No rain barrel(s) shall be installed until a permit has been obtained.

(2.3) ~~(3)~~ Rain barrels must be free of any chemicals from prior use. Fifty-five-gallon drum industrial containers are prohibited.

(2.4) ~~(4)~~ Rain barrels shall be located behind the front setback of a structure. Visual screening of rain barrels or other structural storage containers may be required, on a case-by-case basis, so as to prevent unsightly visual impacts to the surrounding area.

(2.5) ~~(5)~~ Rain Garden. One or more downspouts may be directed into an approved rain garden. Such rain garden shall be subject to the review and approval of the City Engineer, or his/her duly authorized representative, and shall be constructed in accordance with the latest edition of the Rain Garden Manual for Homeowners. No rain garden shall be constructed or installed until a permit has been obtained.

(2.6) ~~(6)~~ Subject to the review and approval of the Director of Public Service residential structure gutters and downspouts may be disconnected from the city storm sewer system which shall be directed away from the resident's foundation and their neighbor's foundation and property as set forth in Section 401.3(e)(1).

(2.7) ~~(7)~~ As a precondition to allowing the use of a splash block the land owner shall agree in writing, to indemnify, defend and hold harmless the City, its officers and employees from any claim, injury, loss or damage to the land owner, his or her property or the person or property of any other individual that may directly or indirectly, result from the discharge of storm water over land.

(2.8) ~~(8)~~ Fees. The fee for a permit to connect downspouts to an approved rain barrel or rain garden shall be in accordance with the then existing schedule of fees contained in Chapter 1321.

(3) ~~(c)~~ Discharge to sanitary sewer. Notwithstanding any other provision of this chapter or these Codified Ordinances, if it is determined that one or more installed conductors, roof leaders or surface or ground water drains discharge or infiltrate into a sanitary sewer, the Director of Public Service may grant a special permit allowing the land owner to disconnect the offending private storm sewer facilities from the public sewerage system, but only pursuant to the terms and conditions in this section.

(4) ~~(d)~~ Review by Municipal Engineer. Upon discovery of a situation described in subsection (c) hereof, the Director of Public Service shall refer the matter to the Municipal Engineer for his or her review and recommendation.

(5) (e) Granting of permit. The Director of Public Service shall grant the special permit described in subsection (c) hereof if he or she finds the following conditions to be satisfied:

(5.1) (4) With respect to roof and yard drainage, downspouts may be allowed to discharge into splash pads or into other suitable devices, but only if the Director of Public Service determines that the flow is not reasonably expected to create a nuisance to neighboring property or the general public. Connections of any pipe carrying roof water or yard drainage to a sanitary sewer shall not be acceptable.

(5.2) (2) With respect to surface drainage, positive drainage shall be provided so that a nuisance will not be created. Catch basins or properly connected underdrains shall be installed, or other suitable alternatives shall be installed where water may pocket, to preclude the accumulation of surface water. Regrading shall be done so that existing natural ground drainage of the surrounding area shall not be impeded.

(5.3) (3) As a precondition to issuance of any special permit pursuant to this section, the land owner may agree, in writing, to indemnify, defend and hold harmless the City, its officers and employees from any claim, injury, loss or damage to the land owner, his or her property or the person or property of any other individual that may directly or indirectly, result from the discharge of storm water over land.

(6) (f) Improper discharge. In the absence of a special permit granted pursuant to this section, the Director of Public Service shall, upon discovery that one or more discharging or infiltrating into a sanitary sewer, compel the land owner to reconnect the offending facilities to the public storm sewerage system.

Table 702.3.4 THICKNESS OF GYPSUM BOARD. (Amended)

Thickness of Gypsum Board (inches)	Application	Orientation of Gypsum Board to Framing	Maximum Spacing of Framing Members (inches e.e.)			Maximum Spacing of Fasteners (inches)		Size of Nails for Application to Wood Framing ^e
						Nails ^a	Screws ^b	
—Application without adhesive								
5/8	Ceiling	Either Direction	16	7	12	No. 13 gage, 1 5/8" long, 19/64" head, 0.098" diameter,		
	Ceiling	Perpendicular	24	8	12			
	Wall	Either Direction	24	8	12	1 3/8" long, annular-ringed, 6d cooler nail, 0.092" diameter,		

						1 7/8" long, 1/4" head; or gypsum board nail, 0.0915" diameter, 1 7/8" long, 19/64" head.
Application with adhesive						
5/8	Ceiling ^d	Either Direction	16	16	16	Same as above for 1/2" and 5/8" gypsum board, respectively.
	Ceiling ^d	Perpendicular	24	12	16	
	Wall	Either Direction	24	16	24	

~~For SI: 1 inch = 25.4 mm.~~

~~^a For applicants without adhesive, a pair of nails spaced not less than 2 inches apart or more than 2 1/2 inches apart shall be used with the pair of nails spaced 12 inches on center.~~

~~^b Screws shall be Type S or W in accordance with ASTM C 1002 and shall be sufficiently long to penetrate wood framing not less than 5/8 inch and metal framing not less than 3/8 inch.~~

~~^c Where metal framing is used with a clinching design to receive nails by two edges of metal, the nails shall be not less than 5/8 inch longer than the gypsum board thickness and shall have ringed shanks. Where the metal framing has a nailing groove formed to receive the nails, the nails shall have ringed shanks. Where the metal framing has a nailing groove formed to receive the nails, the nails shall have barbed shanks or be 5d, 13 1/2 gage, 1 5/8 inches long, 15/64 inch head for 1/2 inch gypsum board; and 6d, No. 14 gage, 1 7/8 inches long, 15/64 inch head for 5/8 inch gypsum board.~~

~~^d 3/8 inch thick single ply gypsum board shall not be used on a ceiling where a water based textured finish is to be applied, or where it will be required to support insulation above a ceiling. One ceiling applications to receive water based texture material, either hand or spray applied, the gypsum board shall be applied perpendicular to framing. When applying a water based texture material, the minimum gypsum board thickness shall be increased from 3/8 inch to 1/2 inch for 16 inch o.c. framing, and from 1/2 inch to 5/8 inch for 24 inch o.c. framing.~~

~~Section 803.2.4 PORCHES AND PLATFORMS. (Added)~~

~~Whenever a porch roof is constructed as an integral part of the roof of a residential dwelling house, the area under the roof extrusion, exclusive of overhang, shall be deemed a porch and shall be constructed in accordance with the requirements of Chapters 63 and 65 of the Dwelling House Code. Such porch floor shall be no more than one riser below the interior floor level of the dwelling.~~

~~—Appendix A—Section A201 MANUFACTURED HOMES. (Amended)~~

~~—Manufactured Housing Used as Dwellings. A structure, transportable in one or more section, which in the traveling mode is 8 body feet (2438 body mm) or more in width or 40 body feet (12 192 body mm) or more in length, or, when erected on site, is 320 square feet (30m²) or more, and which is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, and include the plumbing, heating, air conditioning and electrical systems contained therein. Mobile homes are prohibited as principal or accessory structures for residential use.~~

~~—Appendix B—Section B103 SWIMMING POOLS. (Deleted)~~

~~—Section B105.2 OUTDOOR SWIMMING POOLS (Amended)~~

~~—Refer to Parma Heights Code 1375~~

~~—Appendix I (Added)~~

~~—See Title Five (Other Local Provisions) Parma Heights Ordinances.~~

~~(Ord. 2002-37. Passed 10-15-02; Ord. 2003-9. Passed 4-14-03; Ord. 2003-28. Passed 9-8-03. Ord. 2012-23. Passed 6-11-12; Ord. 2015-40. Passed 11-16-15; Ord. 2017-15. Passed 8-7-17.)~~

1301.99 PENALTY.

(a) Whoever violates or fails to comply with any provision of the Ohio Residential Code is guilty of a misdemeanor of the first degree and shall be fined not more than one thousand dollars (\$1,000.00) or imprisoned not more than six months, or both. A separate offense shall be deemed committed each day during or on which a violation or non-compliance occurs or continues.

(b) The application of the above penalty shall not be held to prevent the removal of prohibited conditions.

(Ord. 2002-37. Passed 10-15-02.)