

Heather Hanover
Chair

James Eshelman
Vice-Chair

Commissioners

Scott Dzurka, *Mayor*
Eric Hufnagel, *City Commissioner*
Eric Harger
Mark Holden
Brian Mills
Melvin Renfrow
Vacant



Chad A. Gamble
City Manager

Mindy J. Seavey
City Clerk

Kristina Kinde
City Treasurer

Michael Homier
City Attorney

Christopher Khorey, AICP
Planning Consultant

PLANNING COMMISSION

October 9, 2024

The St. Johns Planning Commission will hold a regular meeting on October 9, 2024 at 5:30 pm in the County Commission Chambers located at the Clinton County Courthouse, 100 E. State Street, St. Johns, MI. (Please use Cass St. Entrance.)

AGENDA

1. Call to Order (5:30 p.m.)
2. Approval of Agenda (5:31 – 5:32 p.m.)
3. Approval of Minutes (August 14, 2024 Meeting) (5:33-5:34 p.m.)
4. Public comment for non-agenda items (5:35 – 5:45 p.m.)
5. Public Hearings:
 - a. Noise Ordinance Amendment (5:46-5:55 p.m.)
6. New Business:
 - a. Clinton County Maintenance Garage Site Plan Review **ACTION ITEM (5:56 – 6:15 p.m.)**
7. Old Business:
 - a. Noise Ordinance Amendment Recommendation to City Commission **ACTION ITEM (6:15 – 6:20 p.m.)**
 - b. Master Plan Future Land Use Discussion: (6:20 – 6:50 p.m.)
 - i. Walker Road/Scott Road Area
 - ii. Townsend Road Corridor
 - iii. “Near North Side”
8. Committee Site Plan Approvals: None

9. Commissioner Comments. (6:29 – 6:34 p.m.)

10. Adjournment (6:35 p.m.)

Please note that the Planning Commission will take up the following topics at future meetings, depending on available time:

Future Public Hearings

- *Accessory Structures/Corner Lots Amendment (November)*
- *Landscaping Amendment (November)*

Update of the St. Johns Master Plan

- *November: Greater Downtown Redevelopment Plan*
- *December: Mobility Plan*
- *February: Full Draft Review*
- *March: Recommendation for Distribution*
- *June: Public Hearing*

Update of the St. John's Zoning Ordinance

- *Ordinance 92 vs Chickens Ordinance*

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PLANNING COMMISSION

SEPTEMBER 11, 2024
REGULAR MEETING MINUTES

1. CALL TO ORDER

The meeting of the St. Johns Planning Commission was called to order by Chair Hanover at 5:32 p.m.

Members Present: Heather Hanover, Mark Holden, Eric Harger, Scott Dzurka, Brian Mills
Members Absent: Melvin Renfrow, Eric Hufnagel, James Eshelman
Staff Present: Chad Gamble, City Manager; Mindy Seavey, City Clerk; Chris Khorey, McKenna

2. APPROVAL OF AGENDA

City Manager Gamble asked to add some comments regarding construction projects to the agenda.

Motion by Commissioner Dzurka seconded by Commissioner Holden to approve the agenda as amended.

YEA: Hanover, Holden, Harger, Dzurka, Mills

NAY: None

Motion carried.

3. APPROVAL OF MINUTES – AUGUST 14, 2024 MEETING

Motion by Commissioner Holden seconded by Commissioner Dzurka to approve the minutes as presented.

YEA: Hanover, Holden, Harger, Dzurka, Mills

NAY: None

Motion carried.

4. PUBLIC COMMENT FOR NON-AGENDA ITEMS

There were none.

5. PUBLIC HEARINGS - NONE

6. NEW BUSINESS:

A. Landscaping Amendment

Chris Khorey, McKenna, said this topic has come up recently with administrative site plans. He said one ended up in front of the city commission, the library. He discussed: propose some amendments, most are clearly stating when landscaping requirements apply and when they don't; street frontage and parking lots to provide shade; protect adjacent land uses that may not be compatible. In reviewing landscape ordinance, we felt it wasn't clearly doing #3. We are proposing a chart. He discussed the chart; the mixed use and long-term vision for mixed use; and other proposed changes to the ordinance.

There was a discussion of:

- Subjective language (155.296 B).
- Mixed use – flexibility.
- Approving body language.
- Trees over 2' caliper.
 - List of trees that are not permitted.
 - Cottonwood trees; female Ginkgo.
- Holding a November public hearing.

7. OLD BUSINESS:

A. Continued Discussion on Height of Accessory Buildings

Chris Khorey, McKenna, discussed: data from BS&A about approved accessory buildings in the last 5 years; there were 62 & of those 56 were under the maximum height, 4 were exactly at maximum height, 1 at 19½', and 1 at 21'.

There was a discussion of:

- 16'.
- Property owner rights.
 - Setback is more important than height.
- 155.189 (M)(2).
- Holding a November public hearing.

B. Continued Discussion on Corner Lots

Chris Khorey, McKenna, discussed: front yard of corner lot; setback changes.

There was a discussion of:

- Accessory structures and chicken ordinance.
- Holding a November public hearing.

8. INFORMATIONAL ITEM: NO DISCUSSION:

A. Master Plan Demographics Presentation

Chris Khorey, McKenna, discussed: master plan work; first step is a draft update of the demographics chapter; city population; age – relatively young; racial composition; education; economics; occupations; commuting; retail gap analysis – not updated from last time because we don't have access to that data; housing; average household size; housing type; housing tenure; housing composition; next steps on the master plan: future land use map, and the remaining master plan schedule.

9. COMMITTEE SITE PLAN APPROVALS - NONE:

10. CONSTRUCTION PROJECT COMMENTS (added to agenda)

City Manager Gamble discussed upcoming street construction projects: Friday, Monday & Tuesday: Cass Street & Oakland; M-21; tentatively Brush Street will begin around the 23rd.

Commissioner Mills discussed when Lansing Street was being re-done, he got a knock on the door letting him know. He asked about a similar notification process.

City Manager Gamble said we need to contact the road commission. We will be pushing notices out to local residents. He said Heather has been great to work with on the DDA component of it.

10. COMMISSIONER COMMENTS

Commissioner Mills said he is constantly baffled with all the ordinances and how we aesthetically control what is going on in the neighborhood. If that is important to us, it would be nice if the city was held to a higher standard. He discussed beautification efforts we could take if we want to set an example for residents. With the demographic study, is that a catalyst that the city gets serious about economic development?

City Manager Gamble said almost everything that we do is economic development. He discussed the downtown - big attractor of our city; DDA and facade grants; hopeful reopening of the Federal Mogul building; Wilson Center; entrance signs to the city. He discussed being patient, but purposeful.

Mayor Dzurka discussed entrance signs and parks and that you don't see it all happen here (Planning Commission). He said the conversations occur a lot at commission meetings. We can't do it all at once. He discussed the MDOT process on M-21. He said some is going to get done in master planning. He discussed the partnership with LEAP and there is a lot of interest in this community; Federal Mogul and the changes coming there.

City Manager Gamble discussed the September 23rd special city commission meeting at 4:30 p.m. with a presentation at 5:00 for the annual report.

Chairperson Hanover said she is going to miss that meeting.

Mayor Dzurka followed up on the discussion at the last meeting regarding the cat issue and feeding of cats.

City Manager Gamble said it was discussed internally. He said Chris and I agreed that trapping is different than feeding the cats, it is baiting. That clarification was communicated to the resident and the humane society.

Chris Khorey said that was also communicated to code enforcement.

Chairperson Hanover said she heard M-21 was going to get redone in 2029.

City Manager Gamble said 2029 or 2030.

Chairperson Hanover asked if the city should be given credit for that?

City Manager Gamble discussed those who were involved: City, County, Senator Sam Singh, multiple levels of imploring MDOT to divert funds to Clinton County to effectuate this. He said the driving lanes only will be milled and resurfaced.

Chairperson Hanover said as the concerns of economic development. We need to get people to put in single-family units and that will bring people to the schools.

Chris Khorey said that conversation is relevant to conversations with the master plan.

There was a discussion of:

- Single-family lots with the development requirements: setbacks, driveways, basements, etc.
 - Keeping them at a rate new families can afford.
 - Maybe come up with a hybrid “residential light” development.
 - Interest in property along Glastonbury.
- The apartment building with ramps with pressure treated wood.
 - We do not regulate very strictly for things that are put in for barrier-free access.
 - Don’t remember ramps on site plan.
 - Going back and checking the plans and making sure it is in-compliance with the site plan.
- The Federal Mogul project.
 - Not having a say at the planning commission level.
 - Will make sure there is upgraded landscaping; replace old fence; parking lot.
 - They haven’t submitted an administrative site plan.
 - City staff meets every other week with the Prevail Solar Team.

11. ADJOURNMENT

Motion by Commissioner Dzurka seconded by Commissioner Holden that the Planning Commission adjourn the meeting.

YEA: Hanover, Holden, Harger, Dzurka, Mills

NAY: None

Motion carried.

The meeting was adjourned at 7:09 p.m.

GENERAL PROVISIONS

NOISE CONTROL

§ 93.20 EXCESSIVE NOISE DECLARED NUISANCE.

~~All loud or unusual noises or sounds and annoying vibrations which offend the peace and quiet of persons of ordinary sensibilities are hereby declared to be public nuisances. Excessive levels of sound are detrimental to the physical, mental and social well-being of the citizens of the city, as well as to their comfort, quality of life, general welfare and safety. The purpose of this article is to regulate or abate noises which annoy, disturb, injure or endanger the comfort, repose, health, peace, safety or welfare of persons within the city, and to establish maximum sound level limits for motor vehicles and transportation noise and other general environmental noise.~~

None of the terms or prohibitions of §§ 93.20 and 93.21 shall apply to or be enforced against:

(A) Emergency vehicles. Any police or fire vehicle or any ambulance, while engaged upon emergency business.

(B) Highway maintenance and construction. Excavations or repairs of bridges, streets, or highways by or on behalf of the city, county, or the State of Michigan, during the night, when the public safety, welfare, and convenience renders it impossible to perform such work during the day. (C) Motor vehicles, (as defined in the state motor vehicle code, MCL 257.1 et seq., MSA 9.1801 et seq.) in operation on a public right-of-way;

(D) Railroad equipment in operation on a railroad right-of-way; or

(E) Aircraft in flight or in operation at an airport.

(1990 Code, § 9.10)

§ 93.21 SPECIFIC OFFENSES.

Each of the following acts is declared unlawful and prohibited, but this enumeration shall not be deemed to be exclusive.

(A) Animal and bird noises. ~~The keeping of any animal or bird which~~Any pet or domestic livestock, as defined in Section 155.200, which, by causing frequent or long continued noise, shall ~~disturb the comfort or repose of any person.~~create a noise disturbance across a property line.

(B) Construction noises. The erection (including excavating therefor), demolition, alteration or repair of any building and the excavation of streets and highways ~~on Sundays and other days, Monday-Saturday between the hours of 8 pm and 7 am, except between the hours of 7:00 a.m. and 6:00 p.m.,~~ unless a permit be first obtained from the City Manager (See Section 93.23.7).

(C) Sound amplifiers. Use of any loudspeaker, amplifier or other instrument or device, whether stationary or mounted on a vehicle for any purpose, except one which is noncommercial in character and when so used shall be subject to the following restrictions. unless a permit be first obtained from the City Manager:

- (1) The only sounds permitted are music or human speech;

~~—(2) Operations are permitted for four hours each day, except on Sundays and legal holidays when no operations shall be authorized. The permitted four hours of operation shall be between the hours of 11:30 a.m. and 1:30 p.m. and between the hours of 4:30 p.m. and 6:30 p.m.;~~

(32) Sound amplifying equipment mounted on vehicles shall not be operated unless the sound truck upon which such equipment is mounted is operated at a speed of at least ten miles per hour except when said truck is stopped or impeded by traffic;

(43) Sound ~~from amplifying equipment~~ shall not be issued within 100 yards of the property line of hospitals, schools or ~~churches~~ religious institutions;

(54) The volume of sound shall be controlled so that it will not be audible for a distance in excess of 100 ~~feet-yards~~ from the sound amplifying equipment and so that the volume is not ~~unreasonably loud in~~ excess of the standards in Section 93.22, raucous, jarring, disturbing, or a nuisance to persons within the area of audibility;

(65) No sound amplifying equipment shall be operated with an excess of 15 watts of power in the last stage of amplification.

(D) Engine exhausts. The discharge into the open air of the exhaust of any steam engine, stationary internal combustion engine, or motor vehicle except through a muffler or other device which effectively prevents loud or explosive noises therefrom.

(E) ~~Handling merchandise Loading and unloading.~~ The creation of a loud and excessive noise in connection with loading or unloading any vehicle ~~or the or otherwise handle~~ handling boxes, crates, containers, building materials, garbage cans, or similar objects in such a manner as to cause a noise disturbance across a residential property line. opening and destruction of bales, boxes, crates and containers.

(F) Blowers. The discharge into the open air of air from any noise creating blower or power fan unless the noise from such blower or fan is muffled sufficiently to deaden such noise such that the standards of Section 93.22 are not violated.

(G) Hawking. The hawking of goods, merchandise, or newspapers in a loud and boisterous manner, in violation of the standards in Section 93.22.

(H) Horns and signal devices. The sounding of any horn or signal device on any automobile, motorcycle, bus or other vehicle while not in motion, except as a danger signal if another vehicle is approaching, apparently out of control, or to give warning of intent to get under motion, or if in motion, only as a danger signal after or as brakes are being applied and deceleration of the vehicle is intended; the creation by means of any such signal device of any unreasonably loud or harsh sound; and the sounding of such device for an unnecessary and unreasonable period of time, in violation of the standards of Section 93.22.

(I) Radio, TV, boom-box and vehicular radios.

(1) The playing of any radio, television set, phonograph, CD player, boom-box, or any musical instrument, hand-carried, stationary, within a building or dwelling, or within an automobile or other vehicle, in such a manner so as to annoy or disturb the quiet comfort or repose of persons within 50 feet of the device shall be prohibited.

(2) The ~~City Commission~~ City Manager or their designee finds that excessive noise and excessive vibration from such devices degrades the environment, peace and dignity of the city residents and is harmful and detrimental to the health, welfare and safety of its inhabitants. The standard which may be considered in determining whether a violation of the provisions of this section exists may include, but not be limited to, the following:

(a) The level of the noise;

- (b) Whether the nature of the noise is usual or unusual;
- (c) Whether the origin of the noise is natural or unnatural;
- (d) The level and intensity of the background noise, if any;
- (e) The proximity of the noise to residential areas or to persons;
- (f) The nature and zoning of the area within which the noise emanates, such as residential, commercial, or industrial;
- (g) The density of the inhabitation of the area within which the noise emanates;
- (h) The time of day and/or night the noise occurs;
- (i) The duration of the noise;
- (j) Whether the noise is recurrent, intermittent, or constant;

(k) Whether the noise is being intentionally used to harass or annoy another person

~~(k)~~ Whether the noise contains the discharge or escape of sounds or vibrations ~~which cause discomfort in violation of the standards in Section 93.22 to others~~ within 50 feet of the source.

(3) The effective control and elimination of excessive noise and excessive vibration is essential to the furtherance of the health and welfare of the city's inhabitants and to the conduct and normal pursuit of life, recreation, commerce and industrial activity.

(J) Shouting and whistling. Yelling, shouting, hooting, whistling, or singing or the making of any other loud noise on the public streets between the hours of ~~44:00~~8:00 p.m. and 7:00 a.m., or the making of any such noise at any time so as to annoy or disturb the quiet, comfort, or repose of persons in any school, place of worship, or office, or in any dwelling, hotel, or other type of residence, or of any person in the vicinity.

(K) Whistle or siren. The blowing of any whistle or siren, except to give notice of the time to begin or stop work or as a warning of fire or danger.

(1990 Code, § 9.11) (Am. Ord. 429, passed 3-13-1995)

§ 93.22 MAXIMUM PERMISSIBLE SOUND LEVELS

No person shall create, assist in creating, permit, continue or permit the continuance of, on private property, any source of sound in such a manner as to create a sound level which exceeds the limits set forth in the table below when measured at or within the property line. Where property is used for both residential and commercial purposes, the residential sound level limits shall be used only for measurements made on the portion of the property used solely for residential purposes. Any sound in excess of the limits shall be deemed prima facie to be a noise disturbance.

<u>Land use district category</u>	<u>Time interval</u>	<u>A-weighted sound level limit (dB(A))</u>
<u>Residential</u>	<u>108:00 p.m. to 7:00 a.m.</u>	<u>60</u>
	<u>7:00 a.m. to 10:00 p.m.</u>	<u>6680</u>
<u>Commercial</u>	<u>8:00 10:00 p.m. to 7:00 a.m.</u>	<u>66</u>
	<u>7:00 a.m. to 10:00 p.m.</u>	<u>7180</u>
<u>Industrial</u>	<u>8:00 10:00 p.m. to 7:00 a.m.</u>	<u>71</u>
	<u>7:00 a.m. to 10:00 p.m.</u>	<u>7180</u>

Noise sensitive areas (hospitals, schools, and religious institutions)	8:00 10:00 p.m. to 7:00 a.m. 7:00 a.m. to 10:00 p.m.	60 66 70
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** For any source of sound which emits a pure tone or impulsive sound, the maximum sound level limits set forth in the table above shall be reduced by five dB(A).*

§ 93.2~~32~~ EXCEPTIONS.

~~None of the terms or prohibitions of §§ 93.20 and 93.21 shall apply to or be enforced against:~~

~~—(A) Emergency vehicles. Any police or fire vehicle or any ambulance, while engaged upon emergency business.~~

~~—(B) Highway maintenance and construction. Excavations or repairs of bridges, streets, or highways by or on behalf of the city, county, or the State of Michigan, during the night, when the public safety, welfare, and~~
The following noises or noise-producing activities shall be exempt from the provisions of this article:

- (1) Noise associated with athletic, musical or cultural activities or events (including practices and rehearsals) conducted by or under the auspices of public or private schools, colleges or universities.
- (2) Noise associated with outdoor gatherings, public dances, shows, concerts, parades, fairs, festivals, and sporting or entertainment events, provided that all necessary permits, licenses or approvals have been obtained from all appropriate jurisdictions for the event, and subject to any alternative maximum sound limits imposed by the city.
- (3) Stationary bells, chimes, or carillons played for religious or educational purposes or in conjunction with religious services, for national celebrations or public holidays, or for other noncommercial purposes, between the hours of 7:00 a.m. and 10:00 p.m., and for a period not to exceed 90 seconds' duration in any one hour.
- (4) Sound made to alert persons to the existence of an emergency, danger, or attempted crime, including sound made by stationary safety signals and warning devices.
- (5) Noise resulting from the provision of essential services.
- (6) Noise resulting from emergency work necessary to restore property to a safe condition following a fire, accident or natural disaster, or to protect persons or property from an imminent danger.
- (7) Noise sources associated with the construction, repair, remodeling or grading of any real property, between the hours of 8:00 a.m. and 10:00 p.m., provided that all necessary permits have been obtained from the city and the permits are currently in effect.
- (8) Noise sources associated with lawn maintenance equipment when it is functioning within manufacturer's specifications and with all mufflers and noise reduction equipment in use and in proper operating condition, between the hours of 7:00 a.m. and 10:00 p.m.
- (9) Noise created by mechanical devices, apparatus or equipment associated with agricultural operations, provided the operations do not take place between the hours of 10:00 p.m. and 7:00 a.m. of the following day.
- (10) Noise associated with the operation or use, for any noncommercial purpose, of any loudspeaker, sound amplifier, public address system or similar device between the hours of 7:00 a.m. and 10:00 p.m., including the use or operation of mechanical loudspeakers on or from a motor vehicle, only if a permit for the specific activity has been granted by the city commissionCity

Manager or their designee. The ~~city commission~~ City Manager or their designee shall cause such a permit to issue under circumstances and subject to conditions as follows:

- a. The ~~city commission~~ City Manager or their designee finds that the applicant has a noncommercial message that cannot be effectively communicated to the public by any other means of communication available;
- b. The applicant will limit the use of the loudspeakers to times, locations and sound levels which will not unreasonably disturb the public peace, as determined by the ~~city commission~~ City Manager or their designee; and
- c. The applicant will not use the equipment in residential areas between the hours of ~~4~~8:00 p.m. and 7:00 a.m. of the following day.

(11) Use of fireworks in compliance with State law and Chapter 135 of the St. Johns Code of Ordinances.

(12) Noise associated with any activity to the extent that regulation of the activity has been preempted by state or federal law. ~~convenience renders it impossible to perform such work during the day.~~

(1990 Code, § 9.12)

93.24 EVALUATION OF NOISE LEVEL LIMITS.

It is the intent of the city to periodically reevaluate the noise level limits and other standards contained in this article, and, if it is determined to be appropriate, to adjust such standards either upward or downward in light of future possible advances in technology or the state of the art.

93.25 VIOLATION OF ARTICLE; MUNICIPAL CIVIL INFRACTION

(1) A person who violates any provision of this division (article IV, division 1) is responsible for a municipal civil infraction, subject to payment of a civil fine in the amount provided by this section, plus costs and other sanctions, for each infraction.

(1) An alleged violation shall be investigated by the St. Johns Police Department and/or the St. Johns Code Enforcement Officer. The investigator shall use a decibel meter to determine the loudest observed noise, and, if that noise is in excess of Section 93.22 and otherwise in violation of this Ordinance, it shall be considered to be in violation.

(2) For violations where the source of noise is associated with a residential activity (regardless of the character of the receiving land use), the amount of the civil fine shall be ~~no less than \$10.00~~ set and revised annually by the City Manager or their designee. Repeat offenses under this subsection shall be subject to increased fines as provided by section 1-11(c)(2) of this Code, ~~except that the increased fine for a repeat offense shall be as follows: as set and revised annually by the City Manager or their designee.~~

a. ~~The fine for any offense which is a first repeat offense shall be no less than \$20.00, plus costs.~~

b. ~~The fine for any offense which is a second repeat offense or any subsequent repeat offense shall be no less than \$50.00, plus costs.~~

(23) For violations where the source of noise is associated with a commercial or industrial activity (regardless of the character of the receiving land use), the amount of the civil fine shall be ~~no less than \$50.00~~ set and revised annually by the City Manager or their designee. Repeat offenses under this subsection shall be subject to increased fines as provided by section 1-11(c)(2) of this Code.

- (a) No provision of this article shall be construed to impair any common law or statutory cause of action or legal remedy of any person for injury or damage arising from any violation of this article or from other law.
- (b) If there is any evidence of retaliation by any offender against any complainant or witness, the evidence shall be communicated to the district court. When sentencing any violator, the district court shall first examine the evidence of retaliation, and if acts of retaliation shall be shown, shall consider the acts and sentence the violator accordingly.



October 3, 2024

Planning Commission
City of St. Johns
100 E. State St.
St. Johns, MI 48879

Subject: Clinton County Building Authority Maintenance Garage Expansion Site Plan Review

Dear Planning Commissioners,

As requested, we have reviewed the site plan received for the Clinton County Building Authority Maintenance Garage expansion at 1347 E. Townsend Road. The applicant is proposing an 11,855 sq. ft. expansion of the garage for the existing structure in the Northwest side of the structure as well as a 2,710 sq. ft. expansion of the office space for the same structure. In addition, the existing outdoor storage space is proposed to be relocated elsewhere on site. The site is zoned MC – Municipal Commercial.

Government offices and facilities are permitted by right in the MC District. The construction of an addition 5,000 square feet or greater in size to any principal structure other than single-family or duplex residence requires Planning Commission Site Plan Approval. Our comments regarding the criteria for approving the Site Plan follow.

1) Dimensional Standards. Below, we have analyzed the dimensional requirements for the lot.

Standard Type	Ordinance Requirement (MC)	1347 E. Townsend Rd. Proposed Conditions	Ordinance Compliance
Minimum Lot Area	6,000 sq. ft.	27.17 acres	Yes
Minimum Lot Width	60 feet	~987 feet	Yes
Minimum Front Yard Setback	50 feet	~70 feet	Yes
Minimum Side Yard Setback	10 feet	~166 feet	Yes
Minimum Rear Yard Setback	25 feet	~93 feet	Yes
Maximum Building Height	35 feet	23 feet, 6 inches (at greatest point)	Yes
Maximum Lot Coverage	60%	~7%	Yes

The proposed expansion appears to meet all of the dimensional requirements for the MC District.

2) Parking, Loading, and Access.



- a. **Number of Spaces.** Section 155.342 of the Zoning Ordinance states the off-street parking requirement for all manufacturing and industrial uses other than warehouses, storage buildings, and wholesale establishments as 1 parking space per employee of the largest working shift or one space for every 600 feet of gross floor area of building, whichever is greater.

The current total number of employees on the largest shift would produce a lesser parking requirement than the gross floor area, so the gross floor area will be considered the parking requirement for the lot. Below is a breakdown of the total gross floor area for all structures on the lot:

Maintenance Garage with Proposed Expansion

Total Gross Floor Area: 0.55 acres or 24,148 sq. ft. ÷ 600 sq. ft. = 40 parking spaces / 15 existing and 11 proposed

Mid-Michigan District Health Department

Total Gross Floor Area: 0.31 acres or 13,504 sq. ft. ÷ 600 sq. ft. = 23 parking spaces / 61 existing

Clinton County Jail

Total Gross Floor Area: 1.11 acres or 48,352 sq. ft. ÷ 600 sq. ft. = 81 parking spaces / 94 existing

Clinton County Animal Shelter

Total Gross Floor Area: 0.11 acres or 4,792 sq. ft. ÷ 600 sq. ft. = 8 parking spaces / 9 existing

Total Requirement: 152 parking spaces

Total Proposed: 190 parking spaces

The total number of proposed parking spaces is greater than the requirement of the Zoning Ordinance and is therefore in compliance.

- b. **Barrier-Free Spaces.** Under the American with Disabilities Act, at least one parking space out of every 25 must be barrier-free (i.e. reserved for people with disabilities). With 190 parking spaces, six (6) barrier-free spaces are required. There are currently six (6) existing barrier-free spaces on the site plan given, so no additional spaces are required.
- c. **Dimensions.** Typical parking spaces dimensions have been included on the site plan. The dimensions shown for the proposed new parking spaces are 10 feet wide and 20 feet long, which complies with the requirements of the Zoning Ordinance.
- d. **Paving and Striping.** The parking lot is proposed to be paved, as shown in the site plan provided. This complies with the requirements of the Zoning Ordinance.
- e. **Loading Zone.** Section 155.344.C states: *“Each off-street loading and unloading space shall not be less than ten feet in width and 70 feet in length unless the Planning Commission determines during site plan review that a larger area is required based on the characteristics of the proposed use and its loading and unloading needs.”* The required number of loading zones is calculated by the Gross Floor Area: 5,000 square feet to 20,000 square feet - one space; each additional 20,000 square feet or fraction thereof - one space. There is one proposed loading zone shown on the site plan that appears



- to meet these requirements, at approximately 10 feet and 7 inches wide and over 70 feet long. As the proposed expansion would bring the total footprint of the building above 20,000 square feet, an additional loading zone is required to be constructed.
- f. **Sidewalks.** Section 155.201 of the City of St. Johns Zoning Ordinance states that sidewalks must be constructed along all road frontages requiring Site Plan Review. Under this provision, the applicant will be required to install sidewalks along the full parcel's length of Townsend Road. If the applicant believes this may be too burdensome, they may apply for a waiver from the Planning Commission if there is shown to be physical, legal, or environmental impediment. The Planning Commission should decide whether to require the sidewalk.
- 3) **Trash Receptacles.** The revised site plan shows a dumpster located at the Northeastern corner of the lot, measured at 11.3 feet deep. The proposed dumpster will be contained within a closed enclosure, which complies with the requirements of the Zoning Ordinance.
- 4) **Landscaping.** No landscaping information has been included with the submitted site plan. Section 155.296 of the Zoning Ordinance requires all parcels subject to local site plan review must submit a landscape plan. The applicant must submit a landscape plan with the following landscaping shown:
- a. **Buffer Zones/Existing Tree Preservation.** The West side lot line abuts an R-3-zoned parcel, so a buffer zone is required. Section 155.297 states that a buffer zone shall consist of two trees and four large shrubs per each 25 feet of adjacent property line. As the West lot line is measured at approximately 1,320 feet long, it triggers a requirement of approximately 106 trees and 212 shrubs along the lot line. There appears to be approximately 35 trees along the West lot line, leaving a requirement of 71 trees and 212 shrubs along that property line. The Planning Commission will hold a public hearing on November 13th to amend the landscaping requirements, which would either require the same number of plantings along the West lot line or the installation of a buffer wall along the length of the property.
- Section 155.301 of the Zoning Ordinance states that existing plantings may count towards the required greenbelts, buffer zones, and parking lot islands to preserve healthy, mature trees. As the rear half of the lot is a wooded, undeveloped area, we recommend the Planning Commission discuss and consider if the landscaping requirements for greenbelts, buffer zones, and parking lot islands for the rear and side lot lines to be met by the large number of mature trees in the parcel. This would still require a greenbelt to be installed along the Townsend Road frontage to bring the parcel into compliance with landscaping standards.
- b. **Parking Lot Landscaping.** Section 155.298 of the Zoning Ordinance states that developments with more than 16 parking spaces must include parking lot islands with one (1) canopy tree per eight (8) spaces. With 190 total spaces, twenty-four (24) canopy trees must be included within parking lot islands. Islands are required to follow all the provisions of Section 155.298. The applicant must include these landscape islands on a submitted landscape plan.
- c. **Greenbelts Along Rights-of-Way.** Section 155.299 of the Zoning Ordinance states that a greenbelt shall be constructed within or adjacent to the right-of-way of any public street. The



required greenbelt shall be a minimum of eight feet in width and contain at least one canopy tree for every 30 linear feet of frontage. As the front lot line along Townsend Road is measured at approximately 986 feet wide, this triggers a requirement of approximately 33 canopy trees to be planted along the right-of-way. These plantings must be included on a submitted landscape plan.

- d. **Landscaping Adjacent to Buildings.** Ornamental landscaping is required along the perimeter of buildings by Section 155.302. However, the MC District does not fall under a multi-family, commercial, or industrial use and is therefore exempt from requiring landscaping around principal structures.
- 5) **Lighting.** Section 155.191.E.7 states: *"The illumination projected from any property onto a non-residential use shall at no time exceed 1.0 footcandle, measured line-of-sight from any point on the receiving property."* No photometric plan was provided with the site plan materials given. A photometric plan must be provided by the applicant detailing the locations and illumination levels of all existing and proposed exterior light fixtures on the property.
- 6) **Signage.** No new signage has been proposed, though any new signage may be approved separately under a different application.
- 7) **Outdoor Storage.** Section 155.195 of the Zoning Ordinances states that commercial outdoor display or storage may be permitted by the Planning Commission provided compliance with all other provisions of this chapter and provided:
- a. Any stockpiles of soils, fertilizer or similarly loosely packaged materials shall be sufficiently covered or contained to prevent dust or blowing of materials.
 - b. No outdoor storage shall be permitted in the required front, side or rear yard of buildings for the district in which the commercial outdoor display, sales or storage use is located.
 - c. The site shall include a building of at least 400 feet of gross floor area for office and sales uses in conjunction with the approved use.
 - d. Storage areas shall consist of a permanent, durable and dustless surface (gravel) and shall be graded and drained to dispose of stormwater without a negative impact on adjacent property.
 - e. All loading and truck maneuvering including into loading/unloading areas shall be accommodated on-site.
 - f. All outdoor sales, display or storage area property lines adjacent to a residential district shall comply with the landscaping requirements in §§ 155.295 through 155.304. The Planning Commission may also require taller landscaping screening based on the height of materials to be displayed or stored.
 - g. The use of semi-trailers, portable shipping containers, or other portable storage/shipping-type containers in conjunction with the sale or storage of material is prohibited, but the short-term use for "trailer sales" is permitted provided the sale does not exceed seven days and does not occur more than four times a year.

The proposed outdoor storage area is shown to comply with all of the above requirements and is therefore in compliance with the requirements of the Zoning Ordinance.



RECOMMENDATION

At the October 9th Planning Commission meeting, the Planning Commission should discuss whether or not a sidewalk should be required along the Townsend Road frontage. Following the discussion, we recommend a Conditional Approval, with the following conditions:

- 1) One additional loading/unloading zone is required to be shown on a revised site plan.
- 2) The applicant must install sidewalks along Townsend Road, if required.
- 3) A landscape plan is required to be submitted by the applicant detailing the location, type, and size of every existing and proposed planting located on site to meet the requirements of the Zoning Ordinance.
- 4) A lighting plan must be submitted, including a photometric plan.

Please let us know if you have any questions.

Respectfully submitted,
McKENNA

Christopher Khorey, AICP
Vice President

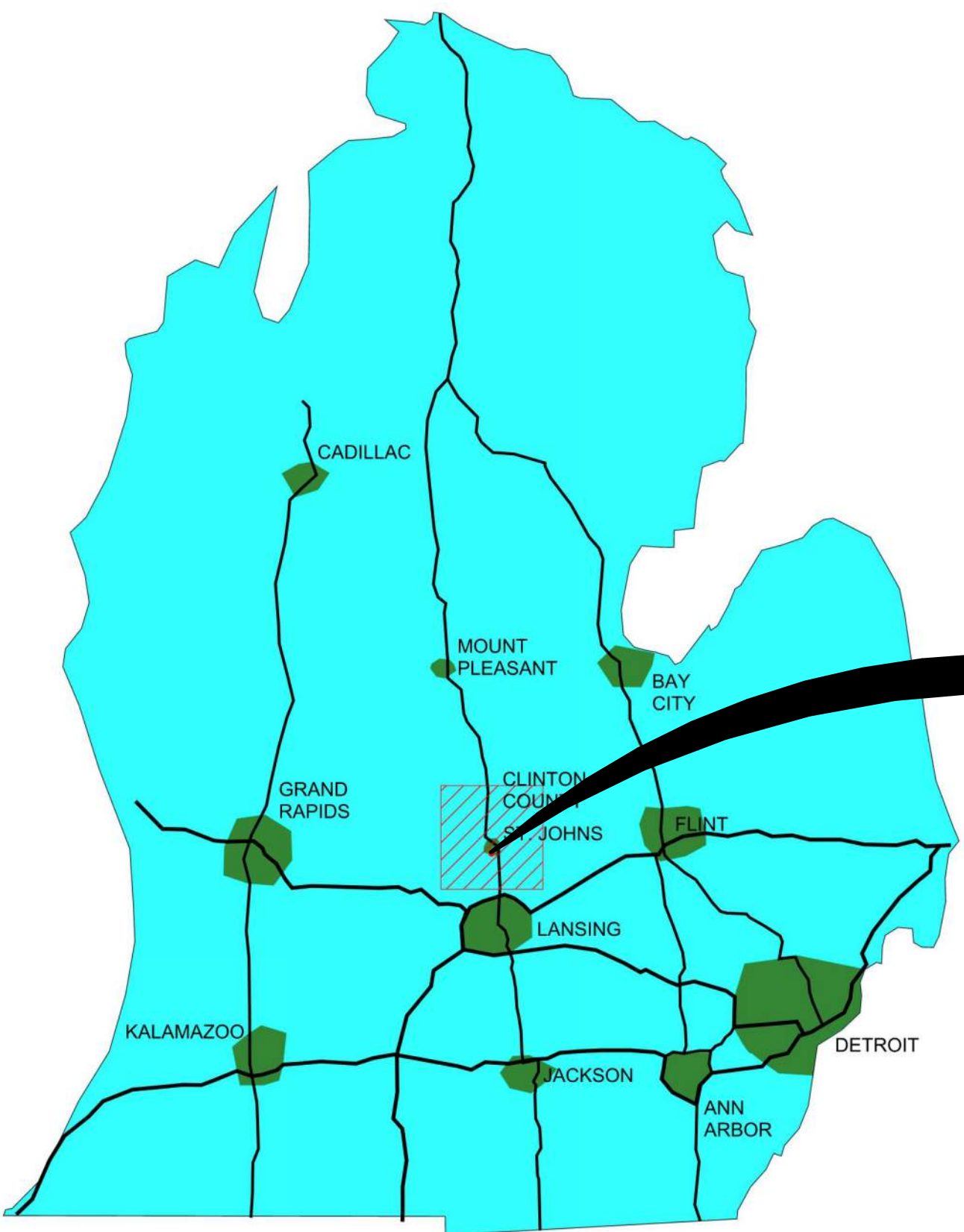
Ethan Walthorn,
Assistant Planner

CLINTON COUNTY MAINTENANCE FACILITY EXPANSION

1327 E TOWNSEND RD.,
ST. JOHNS, MI 48879

HOBBS + BLACK PROJECT #: 23-319

SITE PLAN REVIEW
09/09/2024



SITE LOCATION
SCALE - N.T.S.

PROJECT LOCATION



VICINITY MAP
SCALE - N.T.S.

INDEX OF DRAWINGS

GENERAL	COVER SHEET
G-000	
CIVIL	OVERALL BOUNDARY SURVEY
C-1	TOPOGRAPHIC AND TREE SURVEY
C-2	DEMOLITION PLAN
C-3	SOIL EROSION AND SEDIMENTATION CONTROL PLAN
C-4	PAVING AND GRADING PLAN
C-5	STORMWATER MANAGEMENT PLAN
C-6	NOTES AND DETAILS
C-7	
ARCHITECTURAL	FIRST FLOOR PLAN
A-101	MEZZANINE FLOOR PLAN
A-102	ROOF PLAN
A-103	EXTERIOR ELEVATIONS
A-200	
ELECTRICAL	ELECTRICAL SYMBOLS, ABBREVIATIONS, AND NOTES
E-100	ELECTRICAL FIRST FLOOR PLAN - DEMOLITION
E-300	ELECTRICAL MEZZANINE PLAN - DEMOLITION
E-301	ELECTRICAL FLOOR PLAN - LIGHTING
E-400	ELECTRICAL MEZZANINE FLOOR PLAN - LIGHTING
E-401	ELECTRICAL FLOOR PLAN - POWER
E-500	ELECTRICAL MEZZANINE PLAN - POWER
E-501	ELECTRICAL RISER + PANEL SCHEDULES
E-600	

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MAINTENANCE FACILITY
EXPANSION
1327 E TOWNSEND RD., ST.
JOHNS, MI 48879

PROJECT

CONSULTANT

OWNER

CLINTON AREA TRANSIT SYSTEM
215 NORTH SCOTT ROAD,
ST. JOHNS, MICHIGAN 48879

ARCHITECT OF RECORD

HOBBS + BLACK ASSOCIATES, INC.
117 E. ALLEGAN STREET
LANSING, MI, 48933

CIVIL AND LANDSCAPE DESIGN

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE
PONTIAC, MI 48342

MECHANICAL & ELECTRICAL

MATRIX CONSULTING ENGINEERS, INC.
1601 E. CESAR E. CHAVEZ AVE
LANSING, MI 48912

STRUCTURAL ENGINEER

JDH STRUCTURAL ENGINEERING
3000 IVANREST AVE SW, SUITE B
GRANDVILLE, MI 49418

NOT FOR CONSTRUCTION

COVER SHEET

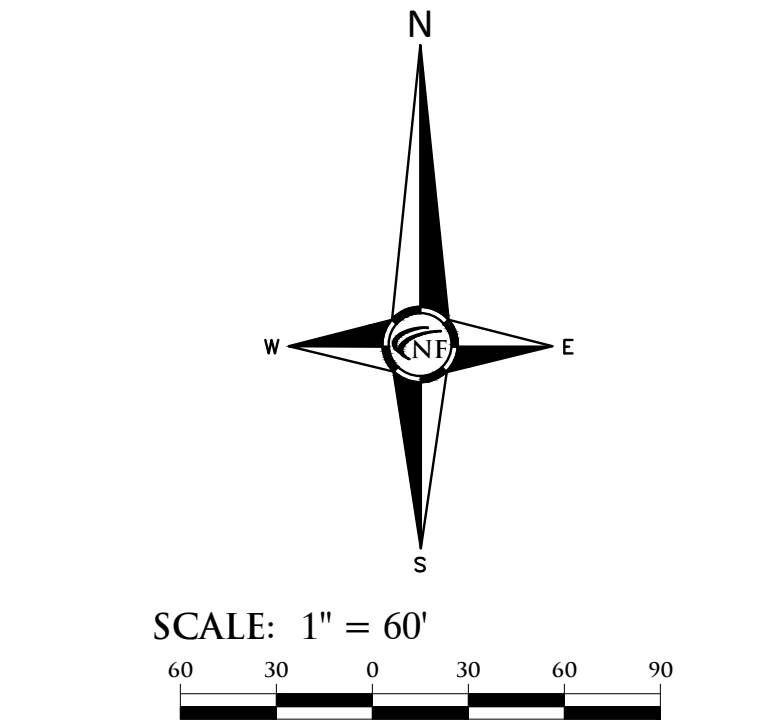
SHEET TITLE

23-319

PROJECT NUMBER

G-000.

SHEET NUMBER



DATE ISSUED _____
G. Burr
DRAWN BY _____
K. Navaroli
CHECKED BY _____

CLINTON COUNTY
MAINTENANCE GARAGE
EXPANSION



NF
ENGINEERS

CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
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FAX. (248) 332-8257
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CONSULTANT

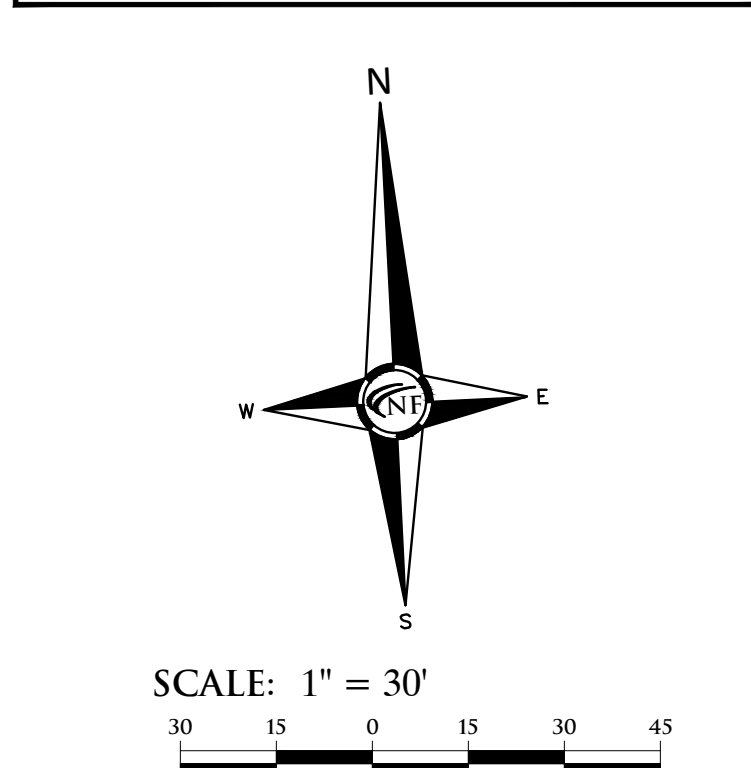
SHEET TITLE

C-1

SHEET NUMBER

LEGEND	
	EXISTING SANITARY SEWER
	EXISTING SAN. CLEAN OUT
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EX. R.Y. CATCH BASIN
	EXISTING BURIED CABLES
	OVERHEAD LINES
	LIGHT POLE
	SON
	EXISTING GAS MAIN

NOT FOR CONSTRUCTION



TOPOGRAPHIC SURVEY NOTES

ALL ELEVATIONS ARE EXISTING ELEVATIONS, UNLESS OTHERWISE NOTED.

UTILITY LOCATIONS WERE OBTAINED FROM MUNICIPAL OFFICIALS AND RECORDS OF UTILITY COMPANIES, AND NO GUARANTEE CAN BE MADE TO THE COMPLETENESS, OR EXACTNESS OF LOCATION.

THIS SURVEY MAY NOT SHOW ALL EASEMENTS OF RECORD UNLESS AN UPDATED TITLE POLICY IS FURNISHED TO THE SURVEYOR BY THE OWNER.

• A

C-2
SHEET NUMBER

50% CD REVIEW	08-22-2024
CONCEPT REVIEW	06-10-2024
DATE ISSUED	
E. Oshaben	
DRAWN BY	
S. Sutton	
CHECKED BY	

LINTON COUNTY
MAINTENANCE GARAGE
EXPANSION

PROJECT



NF
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LAND PLANNERS

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46777 WOODWARD AVE
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WWW.NOWAKFRAUS.COM

CONSULTANT



Know what's **below**
Call before you dig.

SOIL EROSION & SEDIMENTATION CONTROL PLAN

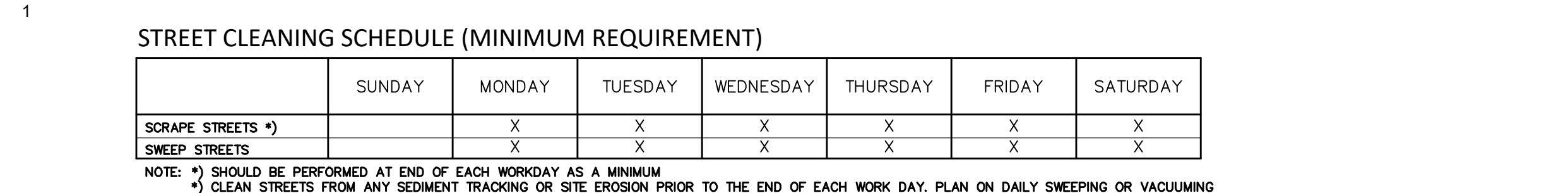
SHEET TITLE

23-319

PROJECT NUMBER

C-4

SHEET NUMBER



AREST BODY OF WATER: GILLISON CREEK, ADJACENT TO EAST SIDE OF
TE.
E TOTAL AREA OF PROPOSED EARTH DISTURBANCE IS 8.620 ACRES.
E SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER
EVERY STORM EVENT BY THE CONTRACTOR.
SOIL EROSION PERMIT IS REQUIRED FROM CLINTON COUNTY.

WETLAND / FLOODPLAIN NOTE

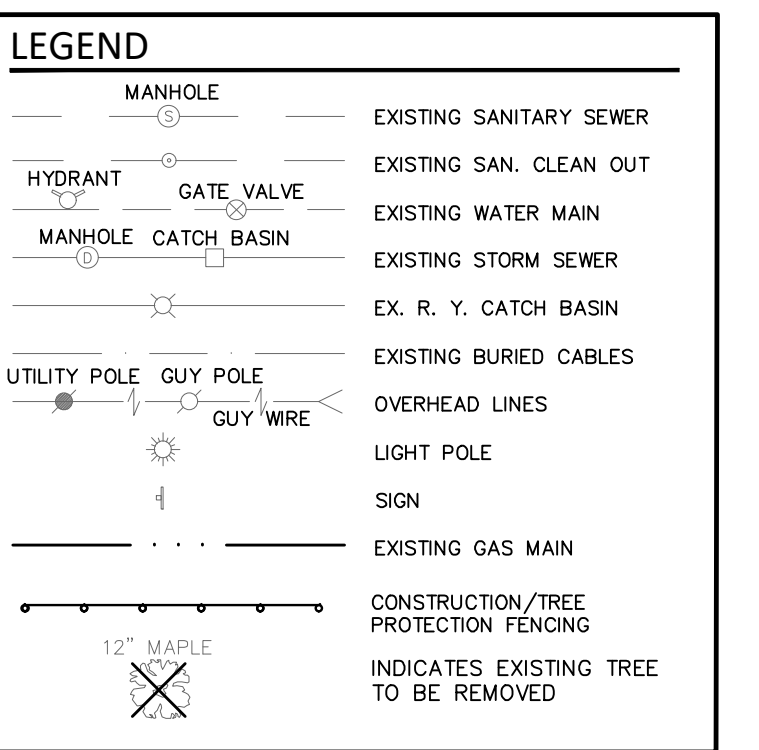
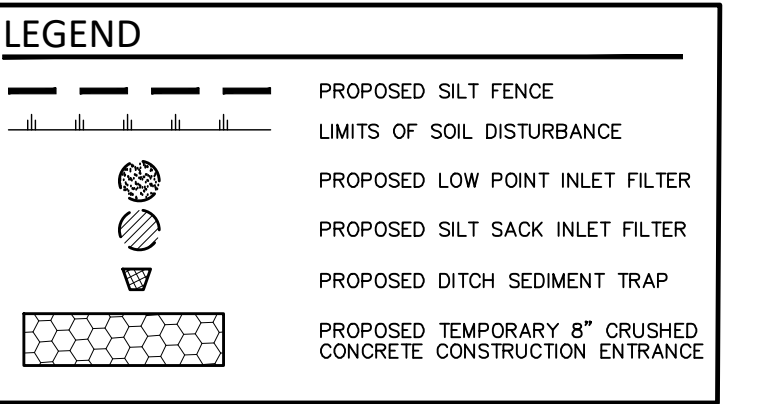
OWN WETLANDS LOCATED ON SITE ARE IDENTIFIED ON THIS SHEET AND

SOIL TYPE DESCRIPTION

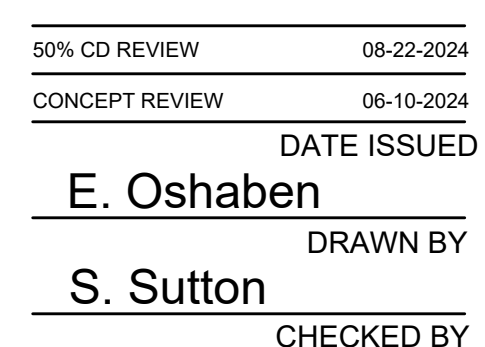
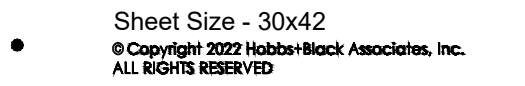
THE SOILS ON SITE CONSIST OF PARKHILL LOAM, NON DENSE TILL SUBSOIL TO 2 PERCENT SLOPES (65.9 OF PARCEL), METAMORA-CAPAC SANDY SILT LOESS TO 4 PERCENT SLOPES (18.6% OF PARCEL), CAPAC-MARLETTE SILT LOESS TO 6 PERCENT SLOPES (12.6% OF PARCEL), AND CONOVER LOAM TO 4 PERCENT SLOPES (3.0% OF PARCEL).

BASED ON DATA PROVIDED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE.

THIS PROJECT SHALL BE
CONSTRUCTED IN COMPLIANCE WITH
PART 91 OF ACT 451 OF 1994, AS
AMENDED, THE SOIL EROSION AND
SEDIMENT CONTROL ACT


















NOT FOR CONSTRUCTION



SURFACE LEGEND

DETENTION BASIN STORAGE VOLUME

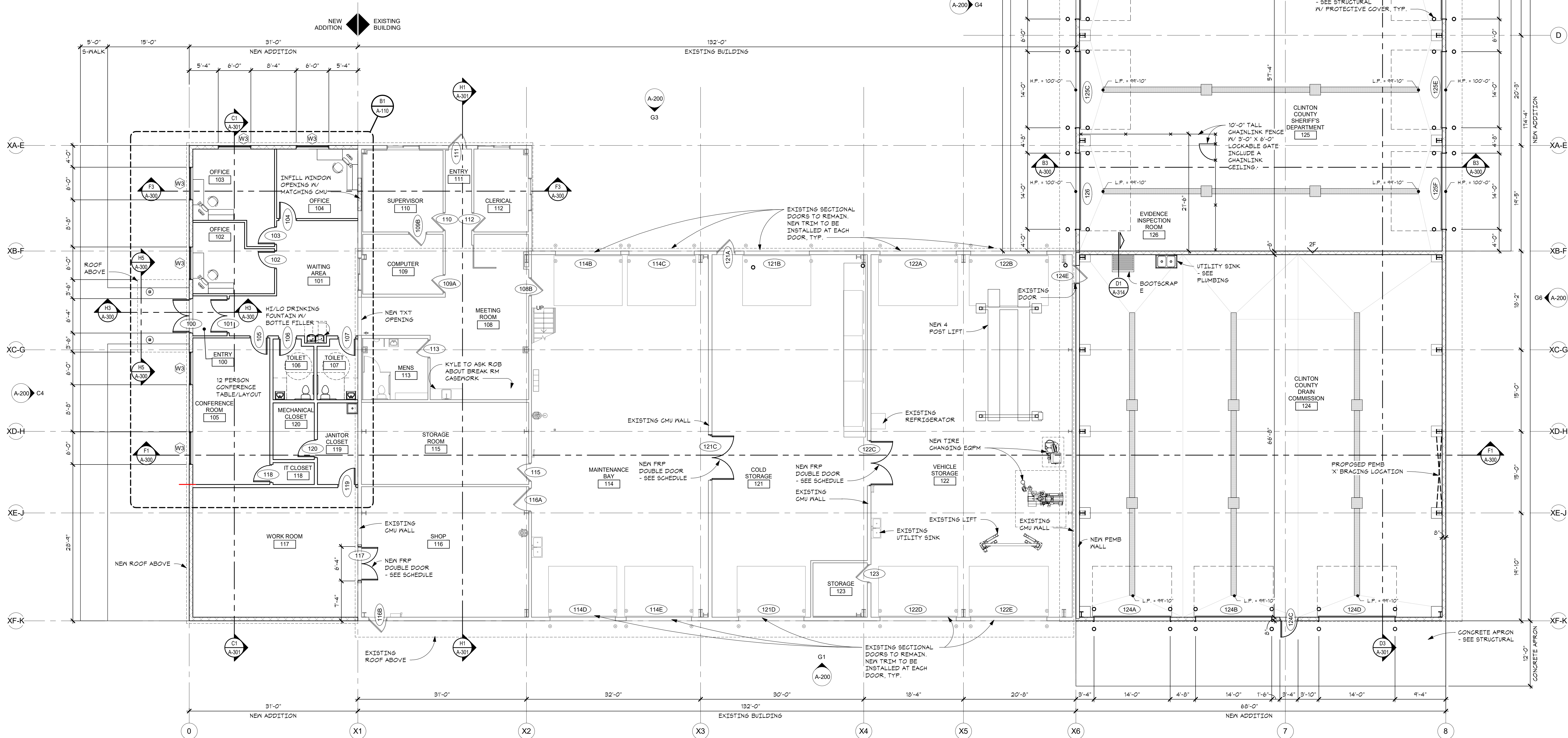
LEGEND

 MANHOLE	EXISTING SANITARY SEWER
 HYDRANT	SAN. CLEAN OUT
 GATE VALVE	EXISTING WATERMAIN
 MANHOLE CATCH BASIN	EXISTING STORM SEWER
 CATCH	EX. R. Y. CATCH BASIN
 UTILITY POLE	EXISTING BURIED CABLES
 GUY POLE	OVERHEAD LINES
 GUY WIRE	LIGHT POLE
 SIGN	EXISTING GAS MAIN
 C.O. MANHOLE	PR. SANITARY SEWER
 HYDRANT	PR. WATER MAIN
 INLET	PR. STORM SEWER
 C.B.	PR. R. Y. CATCH BASIN
 MANHOLE	PROPOSED LIGHT POLE
 LIGHT POLE	

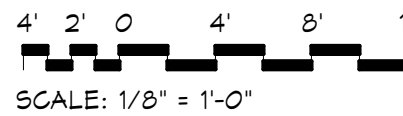
Autosaved Docs: 023-319 Clinton County Maintenance Facility
02/28/2023 10:10 AM
02/28/2023 10:10 AM

FLOOR PLAN NOTES

1. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND PROMPTLY NOTIFY ARCHITECTURE OF ANY DISCREPANCIES.
2. FINISH FLOOR ELEVATION OF 100'-0" AT FIRST FLOOR. SEE CIVIL FOR USGS OR NAVD88 ELEVATION.
3. ALL EXTERIOR SLABS TO SLOPE AWAY FROM BUILDING. SEE CIVIL.
4. WHERE FLOOR DRAINS OCCUR, SLOPE FLOOR TO DRAIN.
5. WINDOWS DESIGNATED AS W1 OR W2 ARE CLERESTORY WINDOWS. SEE EXTERIOR ELEVATIONS FOR HEIGHTS.
6. DIMENSIONS READ FROM FACE OF OUTSIDE FACE OF PEMB METAL GIRT, FACE OF CMU, FINISH FACE OF STUD PARTITIONS, AND/OR PEMB RIGID FRAME CENTERLINE UNLESS NOTED OTHERWISE.
7. REFER TO SHEET A-110 FOR EQUIPMENT AND SIGNAGE SCHEDULES.
8. PROVIDE FOR FUTURE EXPANSION AT GRID LINE XF-K BETWEEN X6 AND 8. GIRTS, METAL SIDING, AND WIND COLUMNS TO BE REMOVED FOR FUTURE ADDITION. THE CONCRETE FOUNDATION AT THAT WALL WILL BE NO HIGHER THAN 8" BELOW FINISH LEVEL; SEE STRUCTURAL AND WALL SECTIONS.



FIRST FLOOR PLAN
SCALE - 1/8" = 1'-0"
GROSS AREA: 24,162 SF



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EXPANSION
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JOHNS, MI 48879

PROJECT

CONSULTANT

FIRST FLOOR PLAN

SHEET TITLE

23-319

PROJECT NUMBER

A-101

SHEET NUMBER

DRAWN BY

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PROJECT

CONSULTANT

NOT FOR CONSTRUCTION

MEZZANINE
FLOOR PLAN

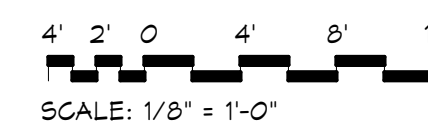
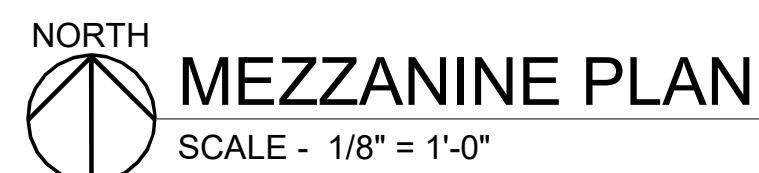
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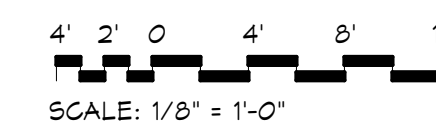
23-319

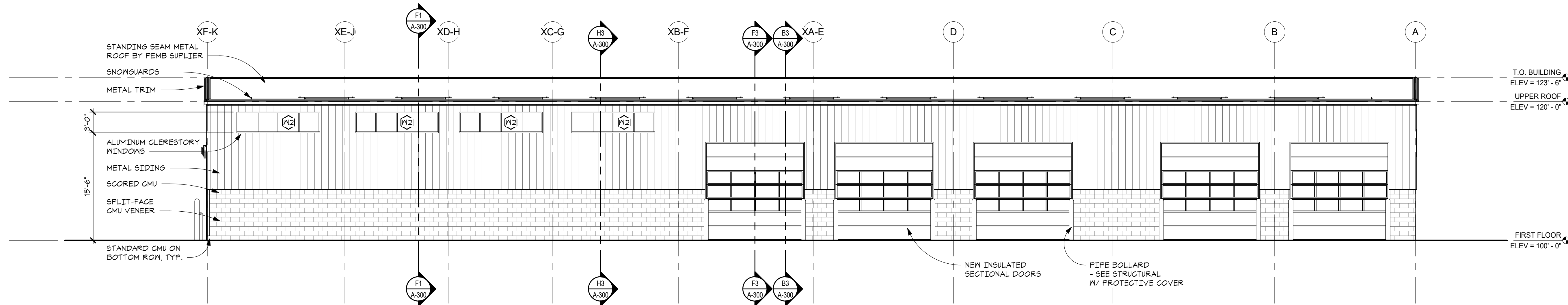
PROJECT NUMBER

A-102

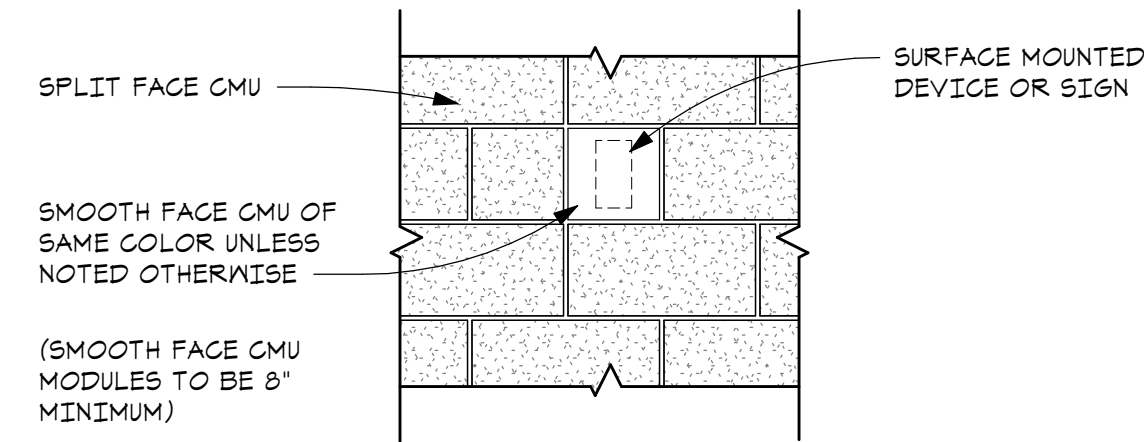
SHEET NUMBER





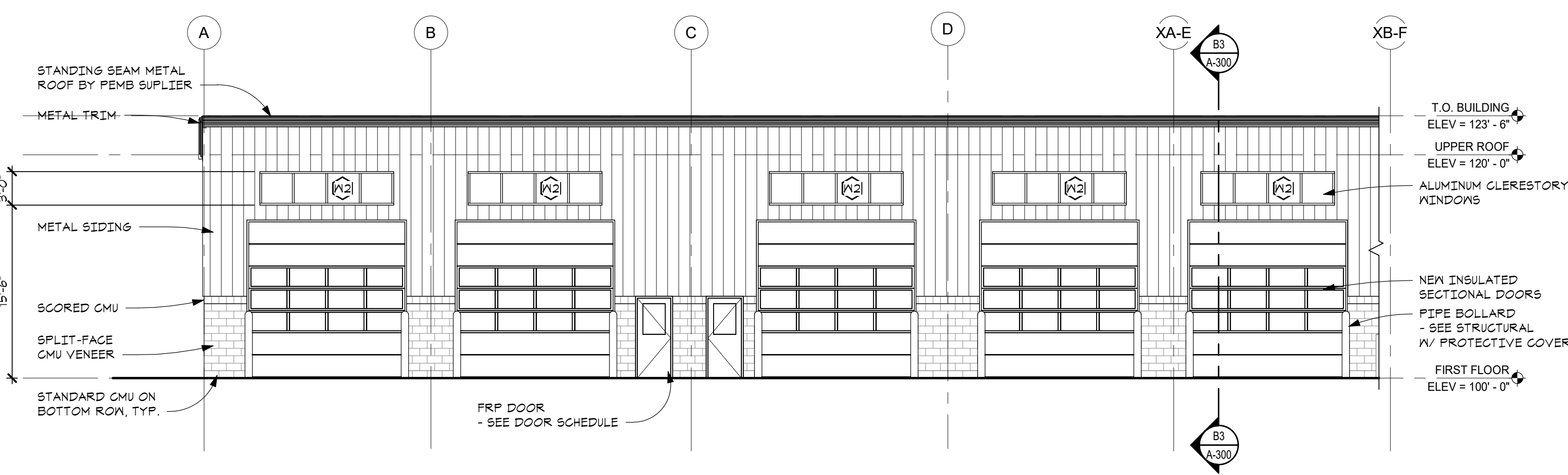


EAST ELEVATION
G6
A-200 A-101
SCALE - 1/8" = 1'-0"

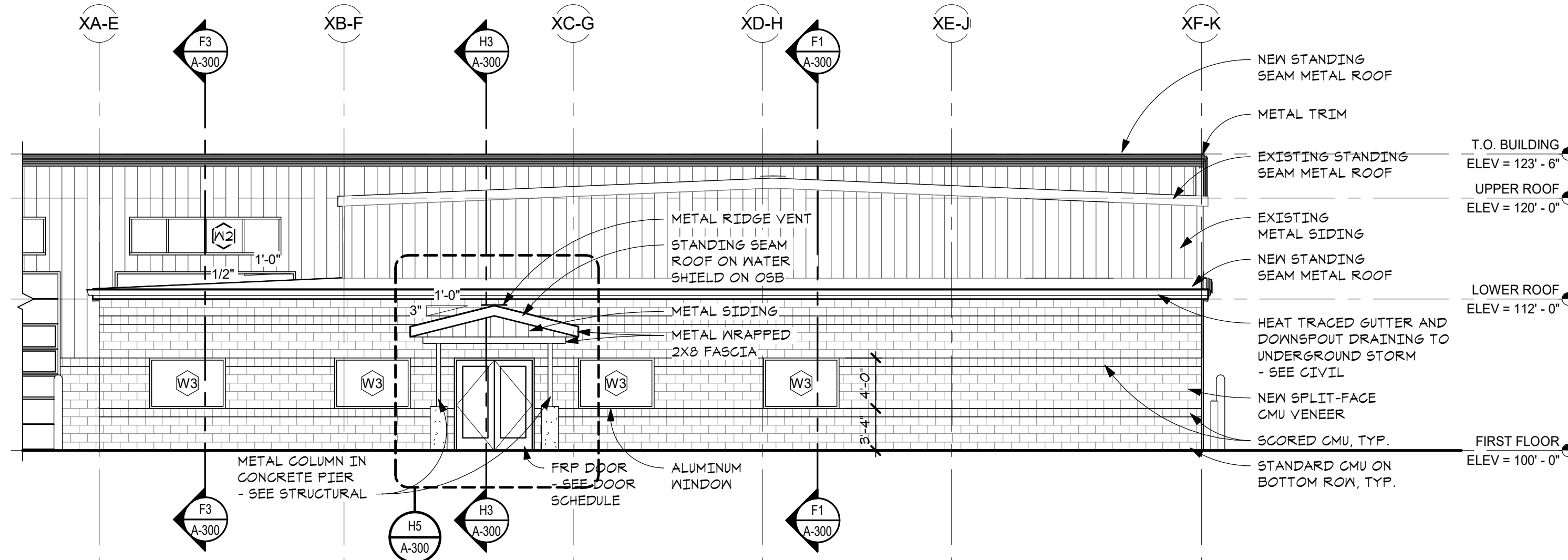


MASONRY COURSING DETAIL
A7
A-200
SCALE - 3/4" = 1'-0"

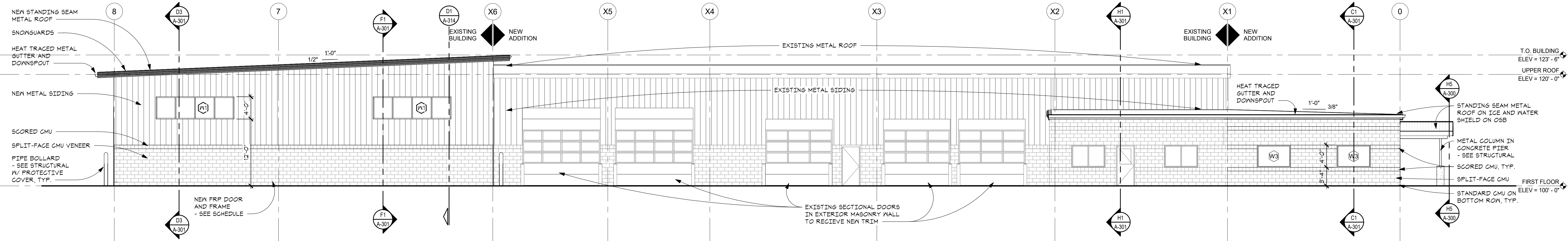
- NOTE:
1. AT ALL SURFACE APPLIED ACCESSORIES (SIGNAGE, PLUMBING FIXTURES, OUTLETS, DISCONNECTS, LIGHTS, ETC.) PROVIDE SMOOTH FACE CMU. SEE DETAIL ABOVE.
 2. PROVIDE SMOOTH FACE CMU AT BOTTOM COURSE.
 3. PROVIDE SCORED CMU TOP COURSE.



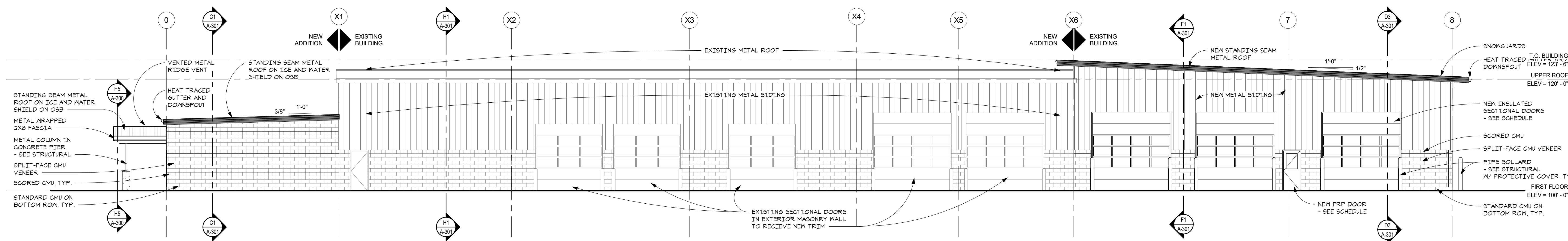
WEST ELEVATION - GARAGE
G4
A-200 A-101
SCALE - 1/8" = 1'-0"



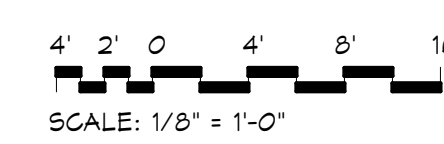
WEST ELEVATION - ADMIN
C4
A-200 A-101
SCALE - 1/8" = 1'-0"



NORTH ELEVATION
G3
A-200 A-101
SCALE - 1/8" = 1'-0"



SOUTH ELEVATION
G1
A-200 A-101
SCALE - 1/8" = 1'-0"



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JOHNS, MI 48879

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NOT FOR CONSTRUCTION
EXTERIOR
ELEVATIONS
SHEET TITLE
23-319
PROJECT NUMBER
A-200
SHEET NUMBER

ELECTRICAL SYMBOLS LEGEND

OUTLETS	FIXTURES	SERVICE and EQUIPMENT
⊕ SINGLE RECEPTACLE (120 VOLT)	⊕ LIGHT FIXTURE	⊕ TRANSIENT VOLTAGE SURGE SUPPRESSION
⊕ DUPLEX RECEPTACLE	⊕ STRIP FIXTURE	⊕ VARIABLE FREQUENCY DRIVE
⊕ EMERGENCY RECEPTACLE	⊕ EMERGENCY LIGHT FIXTURE	⊕ TRANSFORMER
⊕ DOUBLE DUPLEX RECEPTACLE	⊕ IN-GRADE LIGHT FIXTURE	⊕ DISCONNECT SWITCH
⊕ F FLUSH FLOOR BOX	⊕ SPOTLIGHT (number of heads shown)	⊕ MAGNETIC STARTER
⊕ S SURFACE FLOOR BOX	⊕ EXIT SIGN (face & direction as shown)	⊕ COMB. STARTER
⊕ SPECIAL EQUIPMENT RECEPTACLE	⊕ WALL MOUNT LIGHT FIXTURE	⊕ PANELBOARD, SURFACE MOUNTED
▼ TELEPHONE OUTLET	⊕ CEILING LIGHT FIXTURE	⊕ PANELBOARD, FLUSH MOUNTED
▼ DATA OUTLET	⊕ TRACK & FIXTURE	⊕ WEATHERHEAD
▼ TELEPHONE / DATA OUTLET	⊕ STREET TYPE POLE FIXTURE	⊕ UTILITY METER, AS REQUIRED
■ PP POWER POLE	⊕ POLE MOUNTED LIGHT FIXTURE	⊕ DIGITAL EQUIPMENT METER, AS REQUIRED
⊕ JUNCTION BOX	⊕ EXTERIOR WALL MOUNT LIGHT FIXTURE	⊕ CURRENT TRANSFORMERS
⊕ WALL JUNCTION BOX	⊕ WALLPACK LIGHT FIXTURE	⊕ GENERATOR, KW SHOWN
⊕ PULL (JUNCTION) BOX	⊕ SPECIAL PURPOSE LIGHT FIXTURE	⊕ TELEPHONE TERMINAL BOARD
⊕ UNDERFLOOR JUNCTION BOX	⊕ HIGH BAY LIGHT FIXTURE	⊕ GROUND CONNECTION PER N.E.C.
⊕ CEILING MOUNTED WIFI	⊕ EMERGENCY EGRESS LIGHT FIXTURE (number of heads shown)	⊕ WIREWAY
	⊕ DOCK LIGHT FIXTURE	⊕ TRANSFER SWITCH
SWITCHES	CIRCUITRY and RACEWAYS	ENCLOSED CIRCUIT BREAKER
\$ SINGLE-POLE SWITCH	— CONDUIT INSTALLED (by E.C.)	⊕ CAPACITOR
\$ THREE-WAY SWITCH	--- CONDUIT INSTALLED (by others)	
\$ FOUR-WAY SWITCH	— CONDUIT STUB UP	CONTROL
\$ SWITCH WITH PILOT LIGHT	— CONDUIT STUB DOWN	⊕ THERMOSTAT
\$ THERMAL OVERLOAD SWITCH	— HOME RUN (with circuit numbers)	⊕ HUMIDISTAT
\$ MANUAL MOTOR SWITCH	— END OF CONDUIT RUN	⊕ PHOTOCELL (voltage as required)
\$ KEY SWITCH	— END OF CONDUIT RUN, CAP AND STAKE	⊕ TIME CLOCK (24 hour U.O.N.)
\$ TIME SWITCH	— "CONDUIT RUN CONTINUES" INDICATION	⊕ PUSHBUTTON STATION (number of buttons indicated)
⊕ DIMMER SWITCH	— FLEXIBLE PIT/SLASH CONNECTIONS	⊕ CONTROL TRANSFORMER
MECHANICAL	— WM — WIREMOLD AS SPECIFIED	⊕ LIGHTING CONTACTOR
✓ SINGLE PHASE MOTOR	— PM — PLUGMOLD AS SPECIFIED	⊕ IRRIGATION CONTROLLER (120 volt xxVA connection by x/C)
● THREE PHASE MOTOR	— BD — BUS DUCT	⊕ WALL MOUNT DUAL TECHNOLOGY SENSOR
⊕ RESISTANCE HEATER, KW SHOWN	— UFD — UNDERFLOOR DUCT	⊕ OCCUPANCY SENSOR / PHOTOCELL
⊕ PIPE TRACE HEATER		⊕ ULTRASONIC SENSOR - 360° - 2 CIRCUIT
⊕ ELECTRIC UNIT HEATER	SOUND and SIGNAL	⊕ DUAL TECHNOLOGY SENSOR - 360° - 1000 SQ FT
⊕ ELECTRIC WATER HEATER	⊕ SPEAKER	⊕ DUAL TECHNOLOGY SENSOR - 360° - 500 SQ FT
NURSE CALL	⊕ WALL MOUNTED SPEAKER	⊕ SWITCH STYLE OCCUPANCY SENSOR
⊕ NURSE CALL CONTROLLER	⊕ WALL MOUNTED SPEAKER / CLOCK COMBO	⊕ POWER PACK
⊕ MASTER STATION	⊕ SINGLE FACE CLOCK	\$ T DIGITAL TIME SWITCH
⊕ EMERGENCY PULL STATION	⊕ DUAL FACE CLOCK	FIRE ALARM
⊕ EMERGENCY PUSH STATION	⊕ VIDEO INPUT	⊕ SMOKE DETECTOR
⊕ CODE BLUE STATION	⊕ AUDIO / VIDEO INPUT	⊕ HEAT DETECTOR
⊕ PENDANT INTERFACE	⊕ BELL	⊕ DUCT SMOKE DETECTOR
⊕ BED / LIGHT INTERFACE	⊕ VOLUME CONTROL	⊕ DUCT SMOKE DETECTOR
⊕ SINGLE BED STATION	⊕ BUZZER	⊕ HORN
⊕ DUAL BED STATION	⊕ CHIME	⊕ HORN & LIGHT
⊕ DOME LIGHT	⊕ TELEVISION OUTLET	⊕ SPEAKER
⊕ STAFF REGISTER STATION	⊕ MICROPHONE OUTLET	⊕ SPEAKER & LIGHT
⊕ STAFF STATION	⊕ INTERCOM OUTLET	⊕ PULL STATION
⊕ DUTY STATION	⊕ CAMERA	⊕ FIRE ALARM CONTROL PANEL
DESIGNATIONS	⊕ DOOR CONTACT	⊕ ANNUNCIATOR PANEL
⊕ DEMOLITION NOTE	⊕ MOTION DETECTOR	⊕ END OF LINE DEVICE
⊕ PLAN NOTE	⊕ BEAM DETECTOR	⊕ REMOTE INDICATING LIGHT, WALL, MTD.
⊕ ADDENDUM NOTE	⊕ KEY PAD	⊕ REMOTE INDICATING LIGHT, CLG. MTD.
	⊕ SECURITY SYSTEM CONTROL PANEL	⊕ MAGNETIC DOOR HOLDER
	⊕ CCTV CONTROL PANEL	⊕ FIREFIGHTER COMMUNICATION JACK
	⊕ CARD READER	⊕ FLOW SWITCH (furnished by FPI/C)
	⊕ STUDENT STATION	⊕ TAMPER SWITCH (furnished by FPI/C)
	⊕ ADMINISTRATION STATION	⊕ VISUAL ONLY UNIT
	⊕ TEACHER STATION	⊕ FIRE CONTROL POWER SUPPLY
	⊕ GLASS BREAK	⊕ MONITOR MODULE
		⊕ CONTROL MODULE
		⊕ CARBON MONOXIDE DETECTOR

GENERAL ELECTRICAL NOTES

- ALL WALL AND FLOOR PENETRATIONS ARE TO BE SEALED TO MAINTAIN ORIGINAL RATINGS.
- ALL CONDUITS TO BE FIELD ROUTED ALONG EXISTING PIPING AND STRUCTURAL STEEL.
- THE DIVISION 26 CONTRACTORS SHALL VISIT THE PROJECT AND DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED BEFORE BIDDING THE PROJECT.
- REMOVE ALL EXISTING OBSOLETE EXPOSED CONDUIT, WIRE AND UNUSED EQUIPMENT WHERE WORK IS BEING DONE EXCEPT ITEMS NOTED OTHERWISE.
- WHERE BUILDING SURFACES ARE DAMAGED BY THE REMOVAL OF OLD WORK, SURFACES SHALL BE PATCHED TO MATCH ADJACENT.
- EXISTING WORK WHICH IS PRESENTLY CONCEALED AND WHICH WILL REMAIN CONCEALED AND DOES NOT INTERFERE WITH ANY NEW WORK OF ANY TRADE NEED NOT BE REMOVED. HOWEVER, ALL CONDUIT SHALL BE CAPPED BELOW FINISH SURFACE AND THEN PATCHED TO MATCH, OR AS NOTED.
- EXISTING OPENINGS, WHICH ARE TO BE REUSED, SHALL BE MODIFIED OR ENLARGED TO SUIT THE NEW SYSTEMS AS REQUIRED. PROVIDE ALL REQUIRED CUTTING AND PATCHING.
- IF ASBESTOS IS PRESENT, IT WILL BE REMOVED OR RENDERED HARMLESS UNDER SEPARATE CONTRACT BY THE OWNER.
- THE DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING THE EXISTING WALLS TO MATCH THE ADJACENT SURFACES BEHIND ALL SURFACE MOUNTED EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CIRCUITING. MAXIMUM LIGHTING LOAD PER 20A-1P CIRCUIT IS 1400 WATTS. MAXIMUM RECEPTACLE LOAD PER 20A-1P CIRCUIT SHALL BE (8) DUPLEXES. SIZE MOTOR OR EQUIPMENT CIRCUITS 125% OF RATED LOAD.
- CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT VOLTAGES AND LOADS PRIOR TO INSTALLING SERVICE TO EQUIPMENT.
- DRAWINGS ARE BASED ON EXISTING RECORD DOCUMENT AND CASUAL FIELD OBSERVATION. REPORT ANY DISCREPANCIES TO ENGINEER FOR CLARIFICATION.

ABBREVIATIONS LEGEND

A	AMPS	GC	GENERAL CONTRACTOR	P	POLE
AC	ABOVE COUNTER	GFI	GROUND FAULT INTERRUPTER	P.	PUMP
ACU	AIR CONDITIONING UNIT	GND	GROUND	PB	PULL BOX
AFF	ABOVE FINISHED FLOOR			PNL	PANEL
AHJ	AUTHORITY HAVING JURISDICTION	H-	HUMIDIFIER	PRV-	POWER ROOF VENTILATOR
AHU	AIR HANDLING UNIT	HID	HIGH INTENSITY DISCHARGE	PVC	POLY VINYL CHLORIDE
AIC	AMPS INTERRUPTING CAPACITY	HOA	HAND-OFF-AUTO SELECTOR SWITCH	PWR	POWER
AS	ABOVE SHELF	HP	HORSEPOWER		
ATS	AUTOMATIC TRANSFER SWITCH	HR	HOUR		
		HVAC	HEATING/VENTILATING/AIR CONDITIONING	RECEPT	RECEPTACLE
				RGC	RIGID GALVANIZED STEEL CONDUIT
B-	BOILER			RTU-	ROOF TOP UNIT
BC	BELOW COUNTER	IG	ISOLATED GROUND		
BLDG	BUILDING	IMC	INTERMEDIATE METAL CONDUIT	SF-	SUPPLY FAN
				SW	SWITCH
CHLR-	CHILLER	JB	JUNCTION BOX	SWBD	SWITCHBOARD
CND (C)	CONDUIT				
CKT	CIRCUIT	LC	LIGHT CONTROL	TCC	TEMPERATURE CONTROL CONTRACTOR
CKT BKR	CIRCUIT BREAKER	LT	LIGHT	TR	TAMPER PROOF RECEPTACLE
CT	COOLING TOWER	LTG	LIGHTING	TS	TAMPER PROOF SWITCH
CU-	CONDENSING UNIT	LT FLEX	LIQUID TIGHT FLEXIBLE METAL CONDUIT	TYP	TYPICAL
CUH-	CABINET UNIT HEATER				
		MAX	MAXIMUM	UF	UNDER FLOOR
DFU-	DUCT FURNACE	MC	MECHANICAL CONTRACTOR	UH-	UNIT HEATER
DISC	DISCONNECT	MCC	MOTOR CONTROL CENTER	UL	UNDERWRITERS' LABORATORIES, INC.
DWG	DRAWING	MIN	MINIMUM	UNO	UNLESS NOTED OTHERWISE
DWH-	DOMESTIC WATER HEATER	MLO	MAIN LUG ONLY		
		MT	MOUNT	V	VOLTS
EBB-	ELECTRIC BASEBOARD	MTD	MOUNTED	VL	VERIFY LOCATION WITH OWNER
EC	ELECTRICAL CONTRACTOR	MTG	MOUNTING		
EF-	EXHAUST FAN	MUAU-	MAKE-UP AIR UNIT	W	WATTS
EM	EMERGENCY			W/	WITH
EMT	ELECTRICAL METALLIC TUBING	NC	NORMALLY CLOSED	WO	WITHOUT
EWG	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT	WP	WEATHER PROOF
EXIST (E)	EXISTING	NL	NIGHT LIGHT		
		NO	NORMALLY OPEN		
FLA	FULL LOAD AMPS	NTS	NOT TO SCALE	XFMR	TRANSFORMER
FLEX	FLEXIBLE CONDUIT				
FLR	FLOOR				
FLUOR	FLUORESCENT				
FSES	FOOD SERVICE EQUIP. SUPPLIER				
F/S	FIRE/SMOKE				
FU-	FURNACE				

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION AND COMMENTS	BALLAST INFO	FIXTURE MOUNTING HEIGHT	LAMPS
LA	LITHONIA	CPX-2X4-4000LM-80-40K-SWL-MVOLT-4NLIGHT	RECESSED 2X4 LED LIGHT FIXTURE.	0-10V	RECESSED	4000 LUMENS 36.7W/4000K LED
LAEM	LITHONIA	CPX-2X4-4000LM-80-40K-SWL-MVOLT-E10WL-CP-NLIGHT	RECESSED 2X4 LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP.	0-10V	RECESSED	4000 LUMENS 36.7W/4000K LED
LB	LITHONIA	CLX-L96-6000LM-HEF-FDL-MVOLT-40K-80CRI-NLTAIR2 RES7	SURFACE MOUNTED LED LIGHT STRIP.	0-10V	SURFACE	6000 LUMENS 37W/4000K LED
LBEM	LITHONIA	CLX-L96-6000LM-HEF-FDL-MVOLT-40K-80CRI-E10WL-CP-NLTAIR2 RES7	SURFACE MOUNTED LED LIGHT STRIP WITH EMERGENCY BATTERY BACKUP.	0-10V	SURFACE	6000 LUMENS 37W/4000K LED
LC	LITHONIA	CPRB-AL013-U/VOLT-SWW9-80CRI-NLTAIR2 RMS007-DBL	SUSPENDED LED HIGH BAY FIXTURE.	0-10V	SUSPENDED	12K/15K/18K LUMENS 37W/4000K LED
LCEM	LITHONIA	CPRB-AL013-U/VOLT-SWW9-80CRI-NLTAIR2 RMS007-DBL-RBAY BLDE40WCP M4	SUSPENDED LED HIGH BAY FIXTURE WITH EMERGENCY BATTERY BACKUP.	0-10V	SUSPENDED	12K/15K/18K LUMENS 37W/4000K LED
LD	JUNO	WF6-SWW9-90CRI-4000K-MW-M6	6" RECESSED LED DOWNLIGHT	0-10V	RECESSED	970 LUMENS 13W/4000K LED
LE	LITHONIA	WDGE2 LED-P2-40K-80CRI-T2M-MVOLT-SRM-DMG-DWH9D	LED WALLPACK	-	SURFACE	2000 LUMENS 19W/4000K LED
LF	LITHONIA	AFF-PEL-DWH9XD-U/VOLT-LTP-SORT-4WT-CW	SINGLE HEAD EGRESS WALL MOUNTED LED LIGHT	-	SURFACE	635 LUMENS 23.4W/4000K LED
XA	SURELITES	APXH7R2	LED EXIT SIGN	-	-	LED

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Matrix Project No. 24149.00

CONSULTANT

ELECTRICAL
SYMBOLS
ABBREV.
+ NOTES

SHEET TITLE

23-319

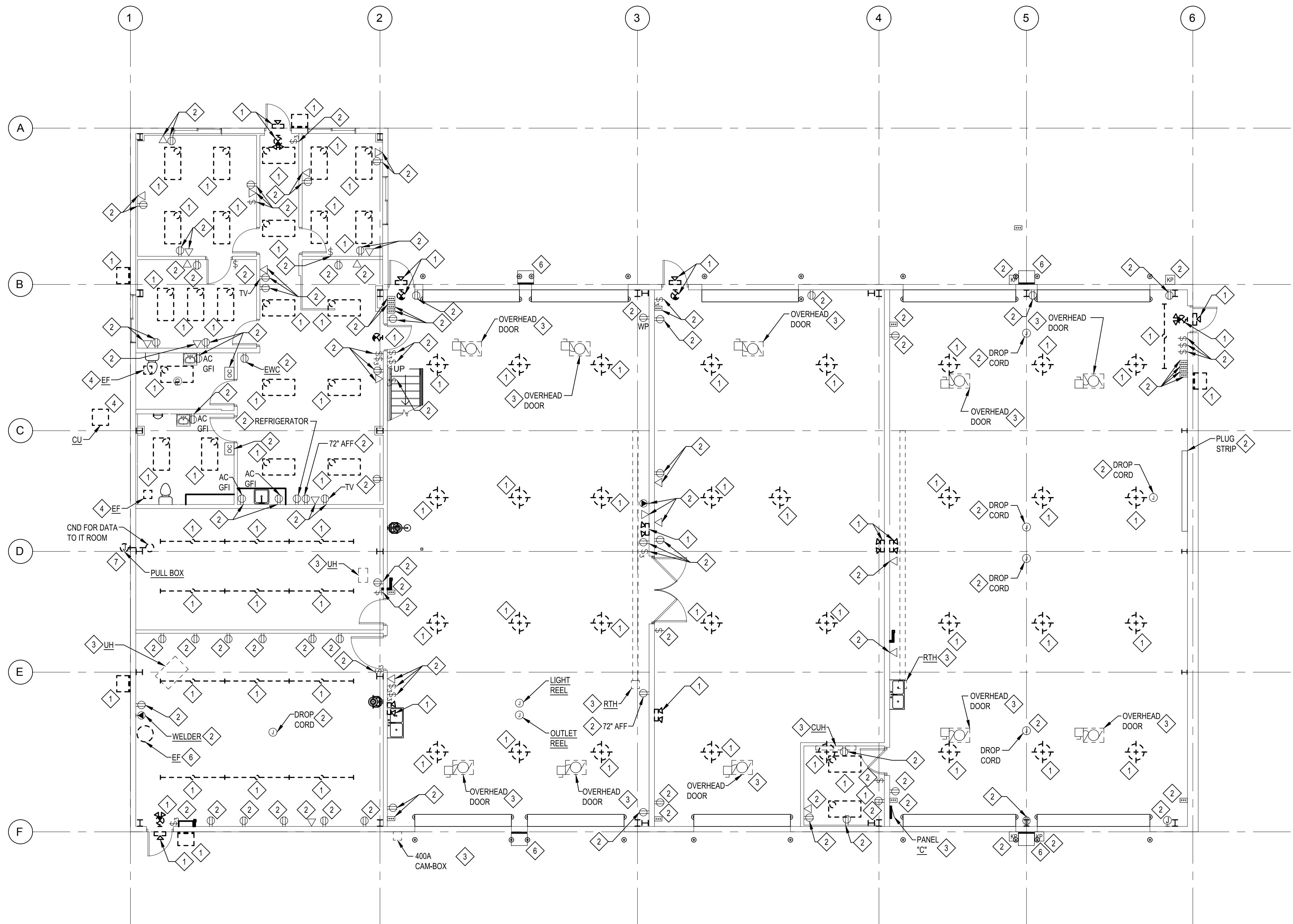
PROJECT NUMBER

E-100

SHEET NUMBER

DEMOLITION NOTES

- 1 DISCONNECT & REMOVE EXISTING LIGHT FIXTURE. ASSOCIATED CONDUIT & WIRE TO REMAIN.
- 2 EXISTING DEVICE TO REMAIN.
- 3 EXISTING EQUIPMENT TO REMAIN.
- 4 DISCONNECT & REMOVE EXISTING EQUIPMENT. REMOVE ASSOCIATED CONDUIT & WIRE.
- 5 EXISTING LIGHT FIXTURE TO REMAIN.
- 6 DISCONNECT & RELOCATE EXISTING EQUIPMENT. EXTEND ASSOCIATED CONDUIT & WIRE AS NEEDED.
- 7 CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PULL BOX CONDUIT AND WIRE BACK TO SOURCE.



ELECTRICAL - FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

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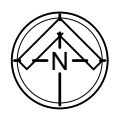
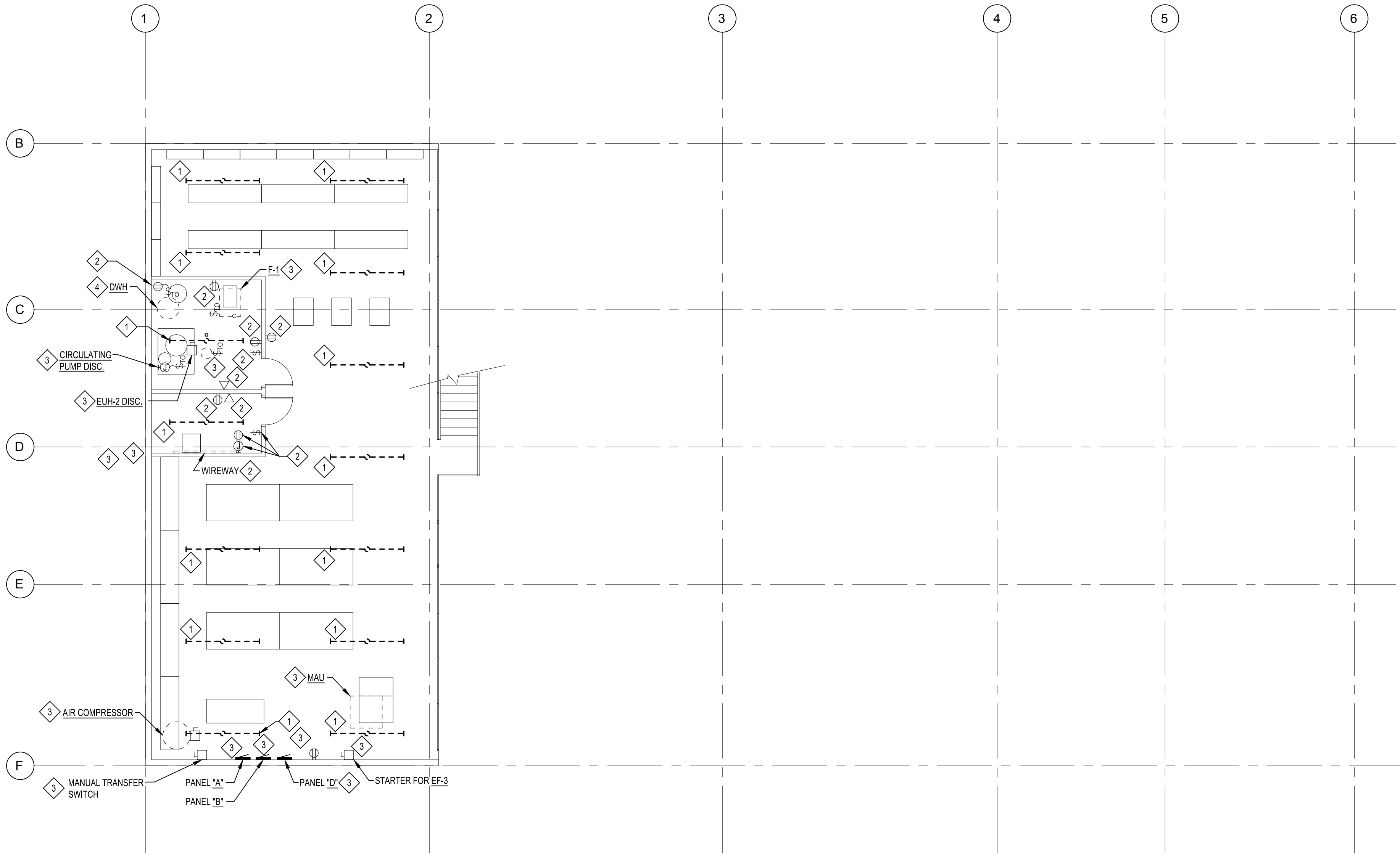
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ELECTRICAL
FIRST FLOOR
PLAN
DEMOLITION
SHEET TITLE
23-319
PROJECT NUMBER
E-300
SHEET NUMBER

DEMOLITION NOTES

- 1 DISCONNECT & REMOVE EXISTING LIGHT FIXTURE. ASSOCIATED CONDUIT & WIRE TO REMAIN.
2 EXISTING DEVICE TO REMAIN.
3 EXISTING EQUIPMENT TO REMAIN.
4 DISCONNECT & REMOVE EXISTING EQUIPMENT. REMOVE ASSOCIATED CONDUIT & WIRE.



ELECTRICAL - MEEZANINE FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

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ELECTRICAL
MEZZANINE PLAN
DEMOLITION
SHEET TITLE
23-319
PROJECT NUMBER
E-301
SHEET NUMBER

ELECTRICAL KEY NOTES

1 CONTRACTOR SHALL PROVIDE DIMMING SWITCH WITH INTEGRATED OCCUPANCY SENSOR.

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ELECTRICAL
FLOOR PLAN
LIGHTING

SHEET TITLE

23-319

PROJECT NUMBER

E-400

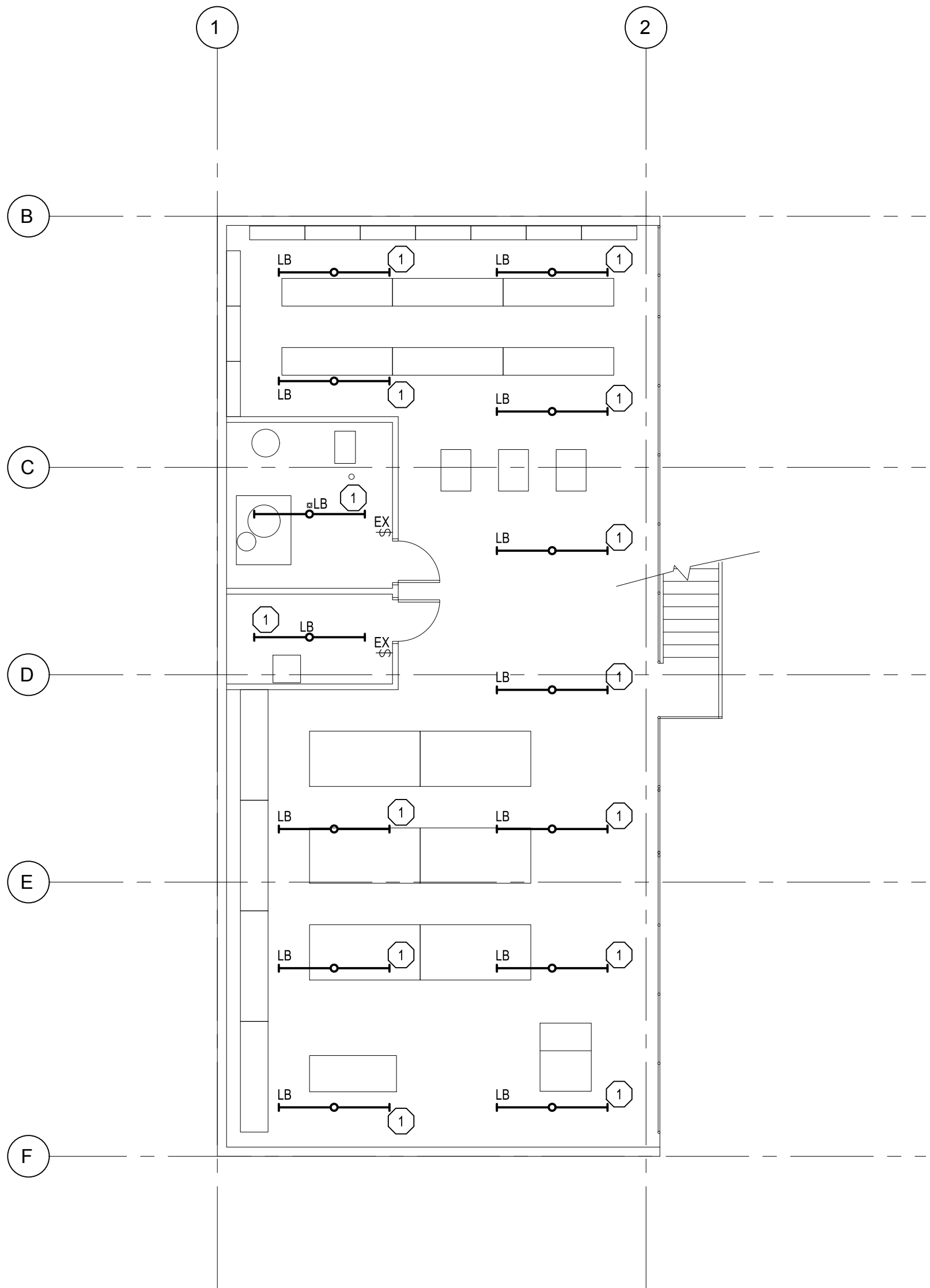
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ELECTRICAL - FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

ELECTRICAL KEY NOTES

- 1 CONTRACTOR SHALL EXTEND CONDUIT AND WIRE AS NEEDED.
CONTRACTOR SHALL REUSE EXISTING CIRCUIT.



N
ELECTRICAL - MEZZANINE FLOOR PLAN - LIGHTING
SCALE 1/8" = 1'-0"

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ELECTRICAL
MEZZANINE
FLOOR PLAN
LIGHTING

SHEET TITLE

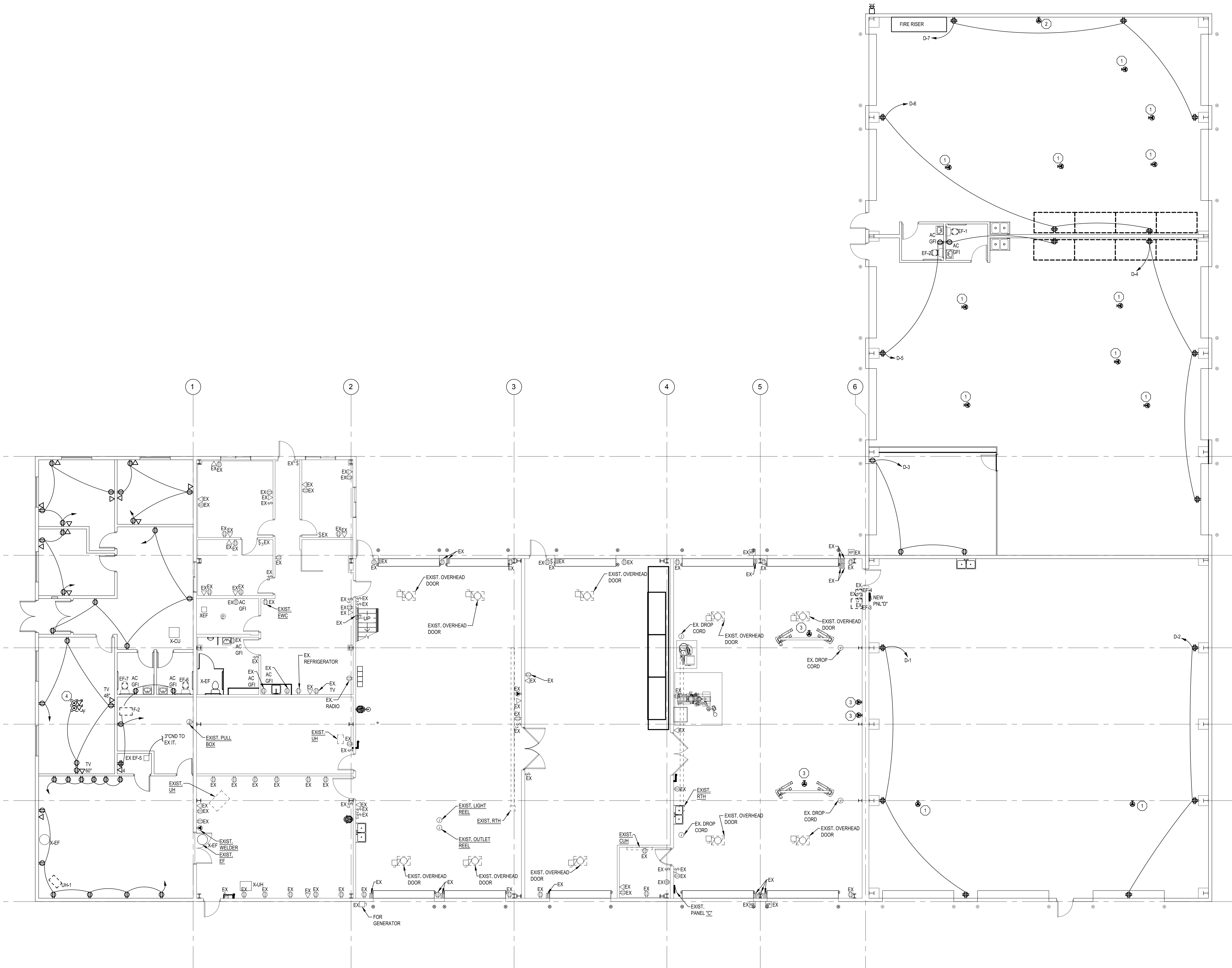
23-319

PROJECT NUMBER

E-401

SHEET NUMBER

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ELECTRICAL - FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"

ELECTRICAL KEY NOTES

- 1 CONTRACTOR SHALL PROVIDE 15A, 120V RETRACTABLE CORD REEL. CONFIRM LOCATION WITH OWNER AND FIELD VERIFY ELECTRICAL LOADS OF EQUIPMENT.
- 2 CONTRACTOR SHALL PROVIDE 60A 208V 1 PHASE RECEPTACLE. CONFIRM LOCATION WITH OWNER AND FIELD VERIFY ELECTRICAL LOADS OF EQUIPMENT.
- 3 CONTRACTOR SHALL PROVIDE 20A 208V 1 PHASE RECEPTACLE. CONFIRM LOCATION WITH OWNER AND FIELD VERIFY ELECTRICAL LOADS OF EQUIPMENT.
- 4 CONTRACTOR SHALL PROVIDE FLUSH MOUNTED FLOOR BOX WITH TWO RECEPTACLES AND TWO DATA PORTS. PROVIDE 1-1/2 CONDUIT FOR DATA TO AVAILABLE CEILING SPACE.

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ELECTRICAL
FLOOR PLAN
POWER

SHEET TITLE

23-319

PROJECT NUMBER

E-500

SHEET NUMBER

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ELECTRICAL KEY NOTES

1 (INSERT TEXT HERE WITH "TEXT EDIT" COMMAND)

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ELECTRICAL
MEZZANINE PLAN
POWER

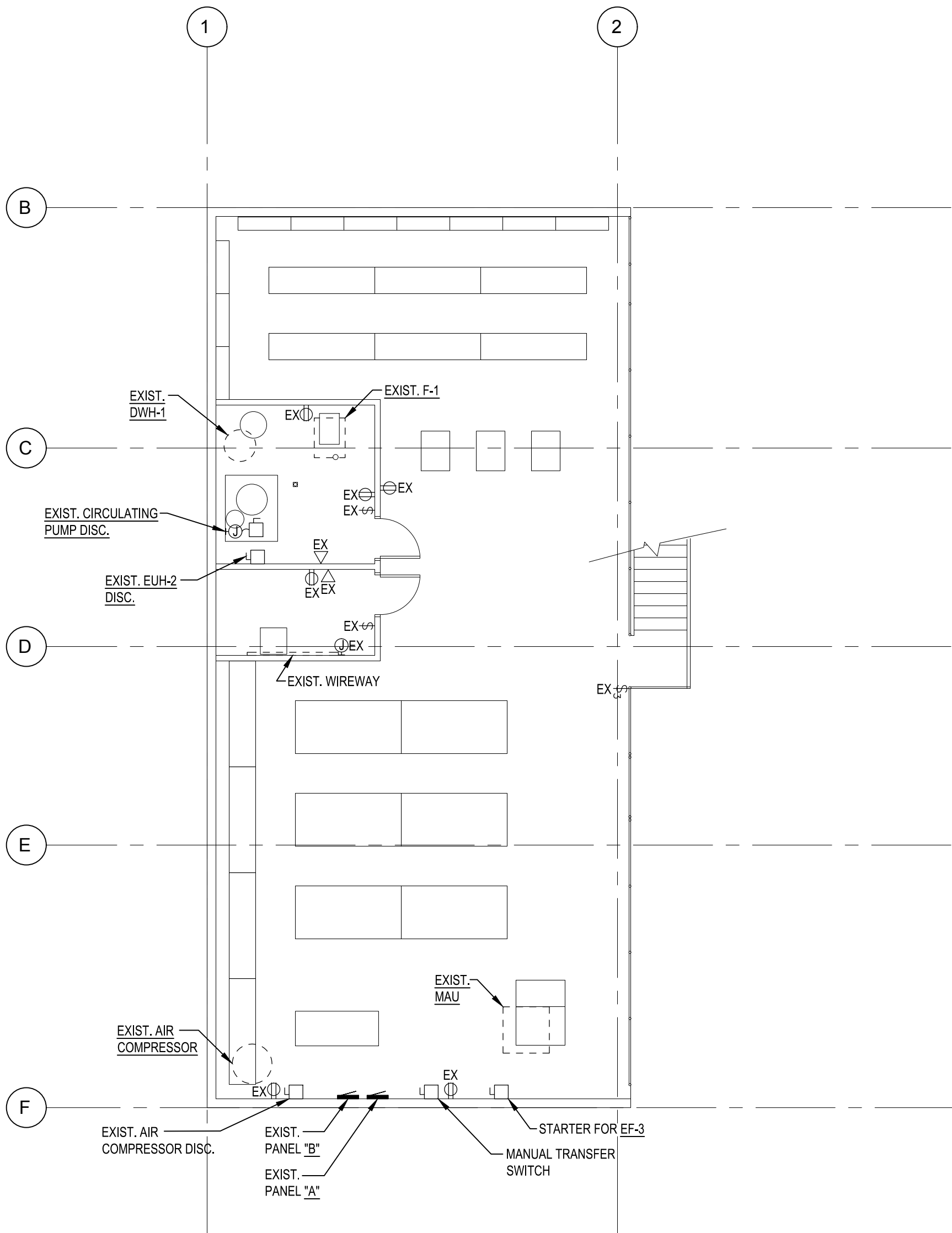
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23-319

PROJECT NUMBER

E-501

SHEET NUMBER



ELECTRICAL - MEZZANINE FLOOR PLAN - POWER

0 1 5 10 20
SCALE: 1/8" = 1'-0"

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PLOT DATE: 08/21/2024

May 1, 2020

City Boundary
Old Village Overlay
Joint Planning Areas

Citywide Community Character Districts

- Parks, Open Space, and Greenways
- Rural Estate
- Modern Spacious Residential
- Traditional Walkable Residential
- Multiple Family Residential
- Public / Institutional

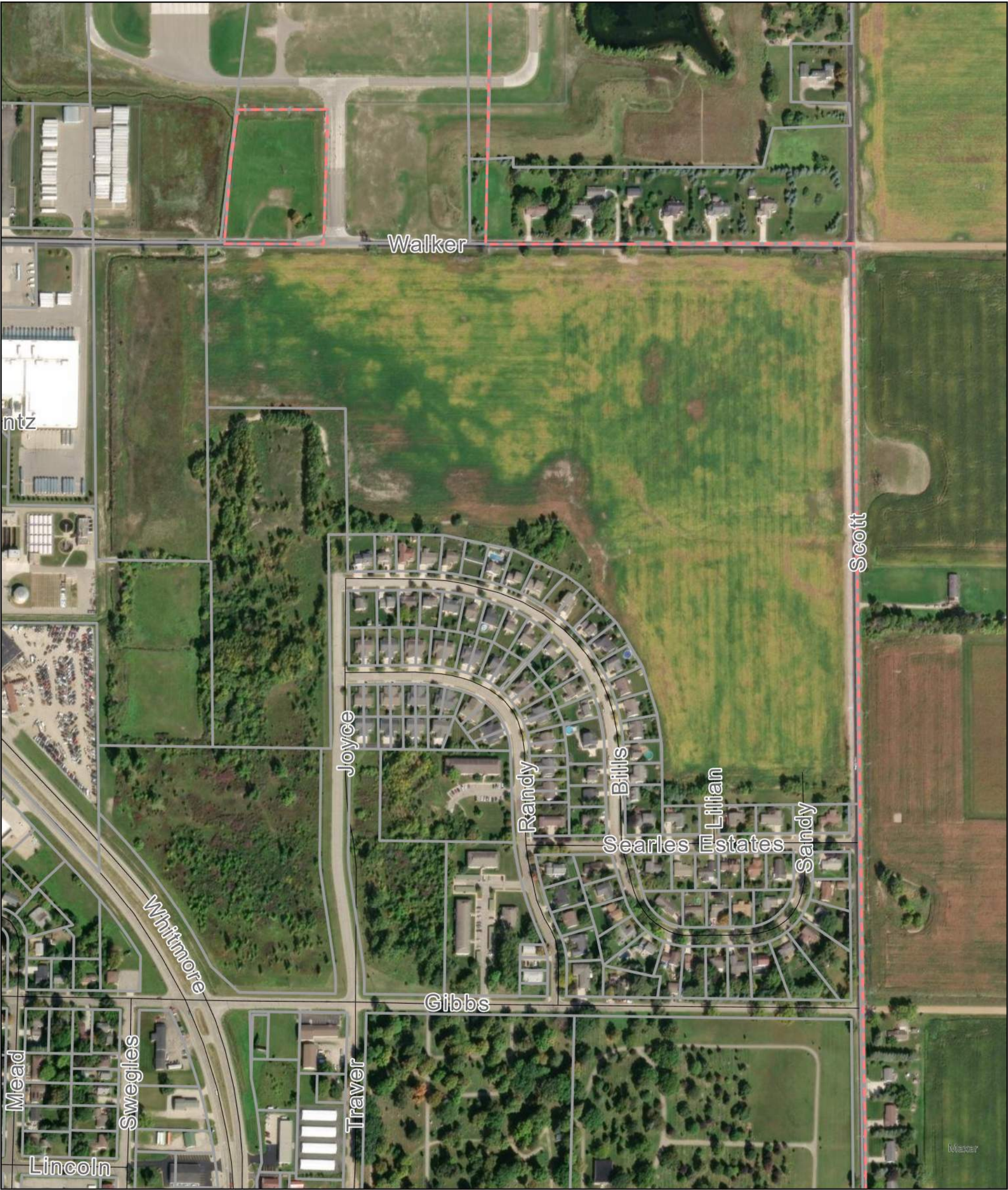
-  Core Downtown
-  Downtown Edge / Mixed Use
-  Flexible Redevelopment
-  Community Commercial
-  Gateway Commercial
-  Commercial / Industrial
-  Industrial
-  Agriculture-Energy/Industrial
-  Agriculture-Energy



Basemap Source: Michigan Center for Geographic Information, v. 17a. Data Source: City of St. Johns 2020, McKenna 2020.



MCKENNA






Aerial Map Searles Estate

City of St. Johns, Michigan

September 25, 2024

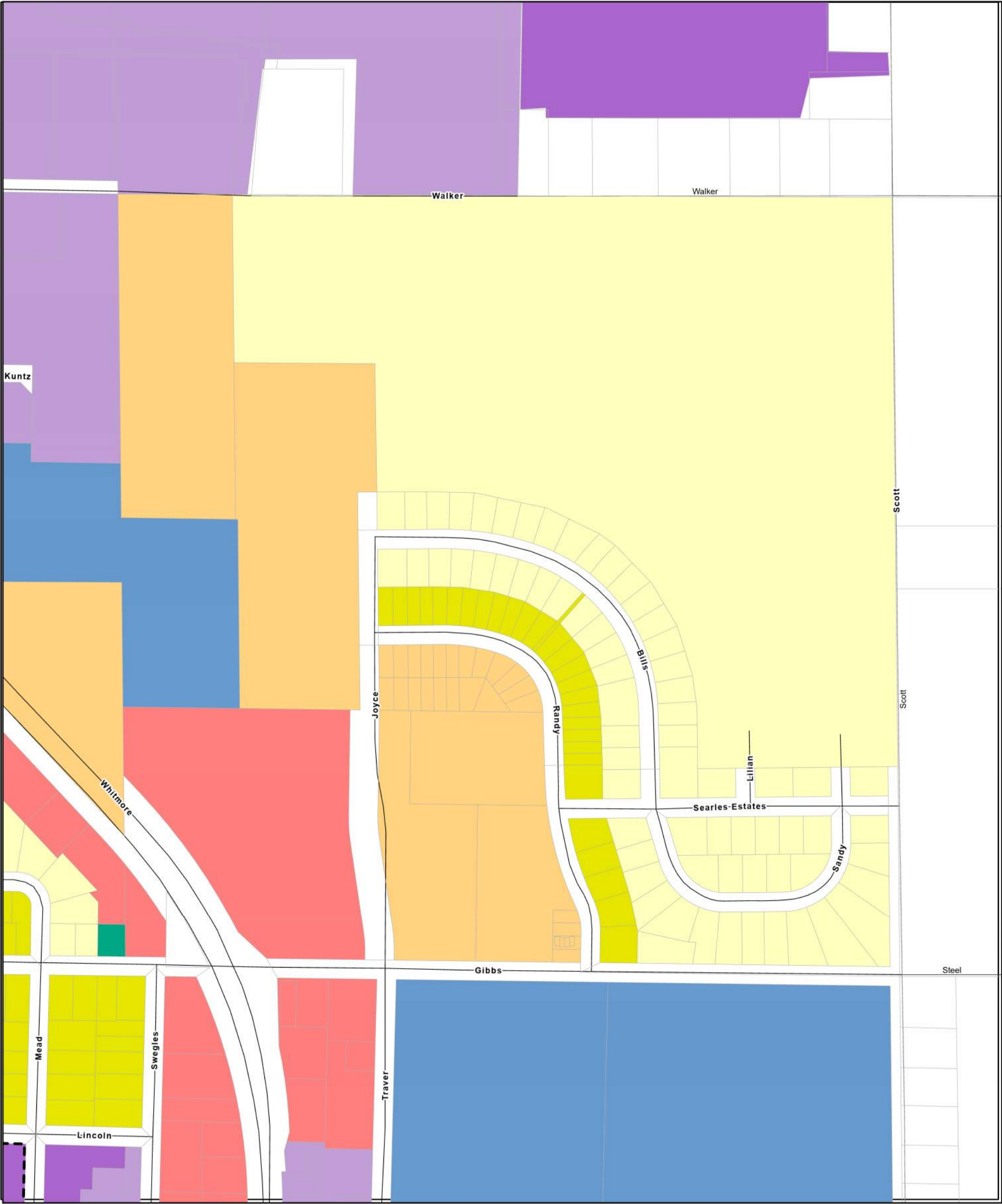
LEGEND

-  City of St. Johns Boundary
-  City of St. Johns Parcels
-  City of St. Johns Roads



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.





Zoning Map Searles Estate

City of St. Johns, Michigan

September 24, 2024

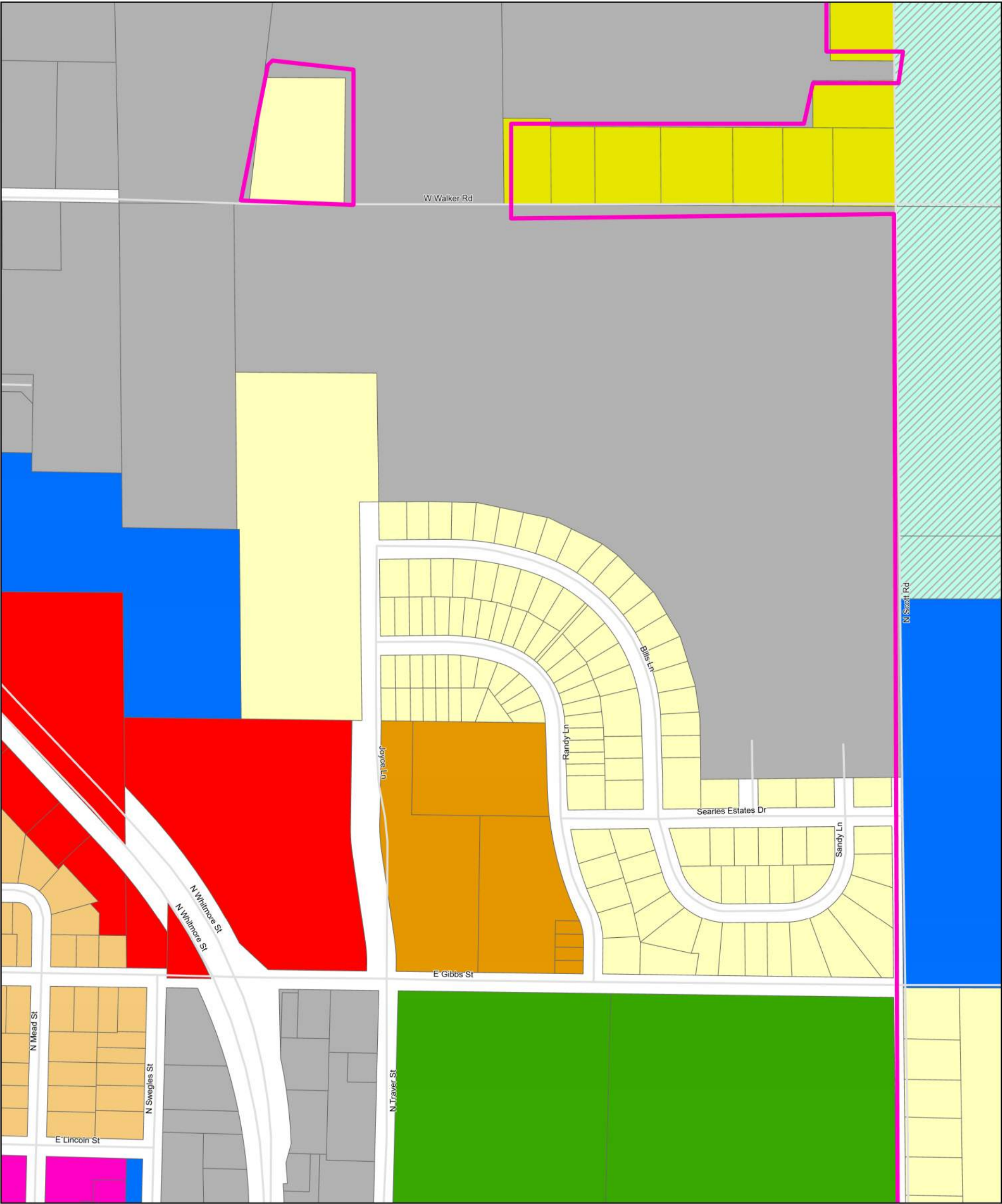
LEGEND

- R1 - Low Density Residential
- R2 - Medium Density Residential
- R3 - High Density Residential
- CBD - Central Business District
- GC - General Commercial
- MU - Mixed Use
- I1 - Industrial - High Performance
- I2 - Industrial - Liberal Performance
- O - Office
- MC - Municipal Center
- Parking Reduction District
- Parking Exempt District
- OwnerAddresses_Clip1 selection



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.





Future Land Use Searles Estate

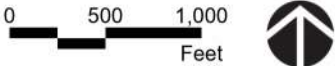
City of St. Johns, Michigan

September 24, 2024

LEGEND

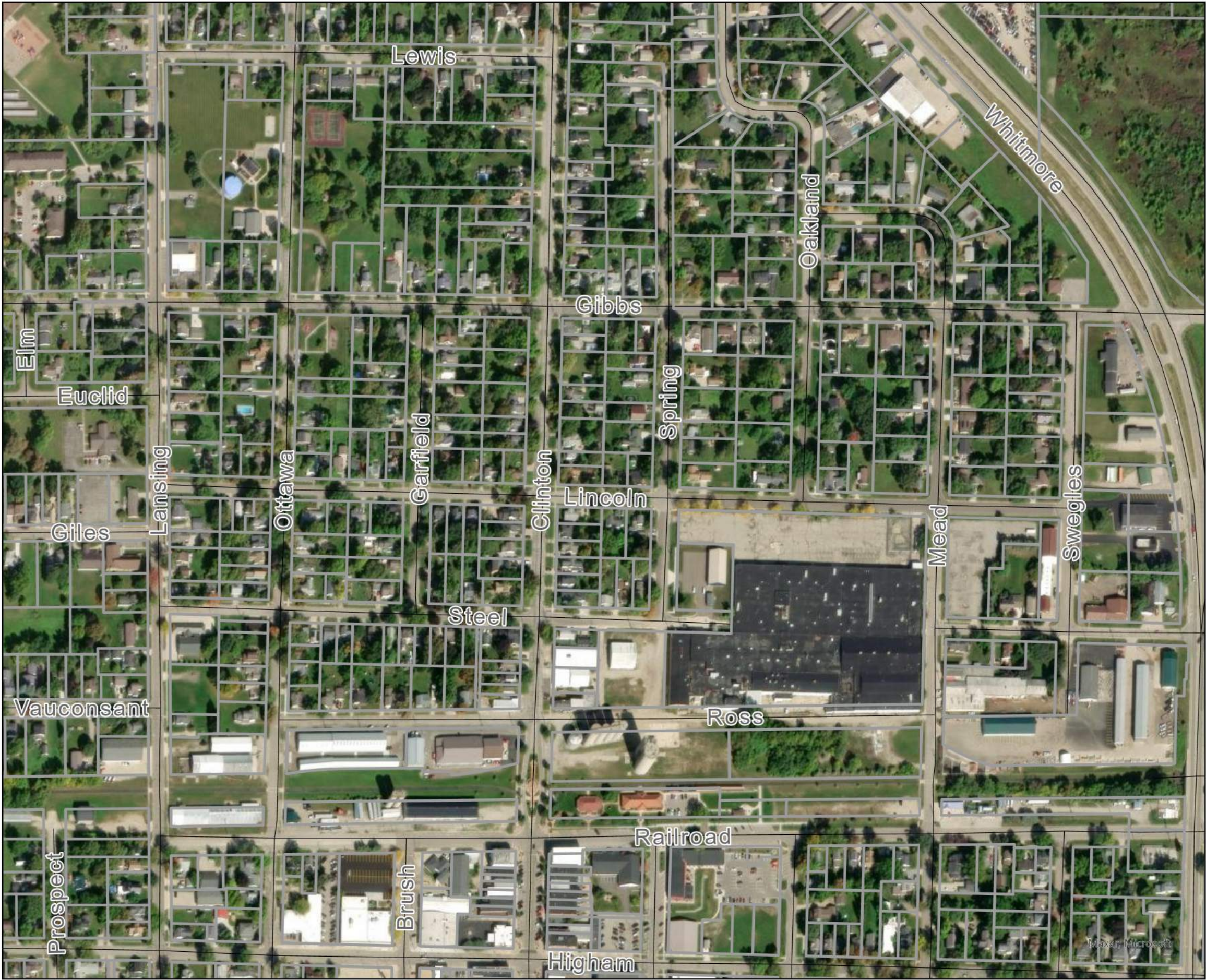
- Municipal Boundaries
- Old Village Overlay
- Joint Planning Areas
- Parcels
- Parks, Open Space, and Greenways
- Rural Estate
- Modern Spacious Residential
- Traditional Walkable Residential
- Multiple Family Residential
- Public / Institutional

- Downtown Core
- Downtown Edge / Mixed Use
- Flexible Redevelopment
- Community Commercial
- Gateway Commercial
- Commercial / Industrial
- Industrial
- Agriculture-Energy/Industrial
- Agriculture-Energy
- Bingham Township Planning Area/Rural Preservation



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.





Aerial Map North of Downtown

City of St. Johns, Michigan

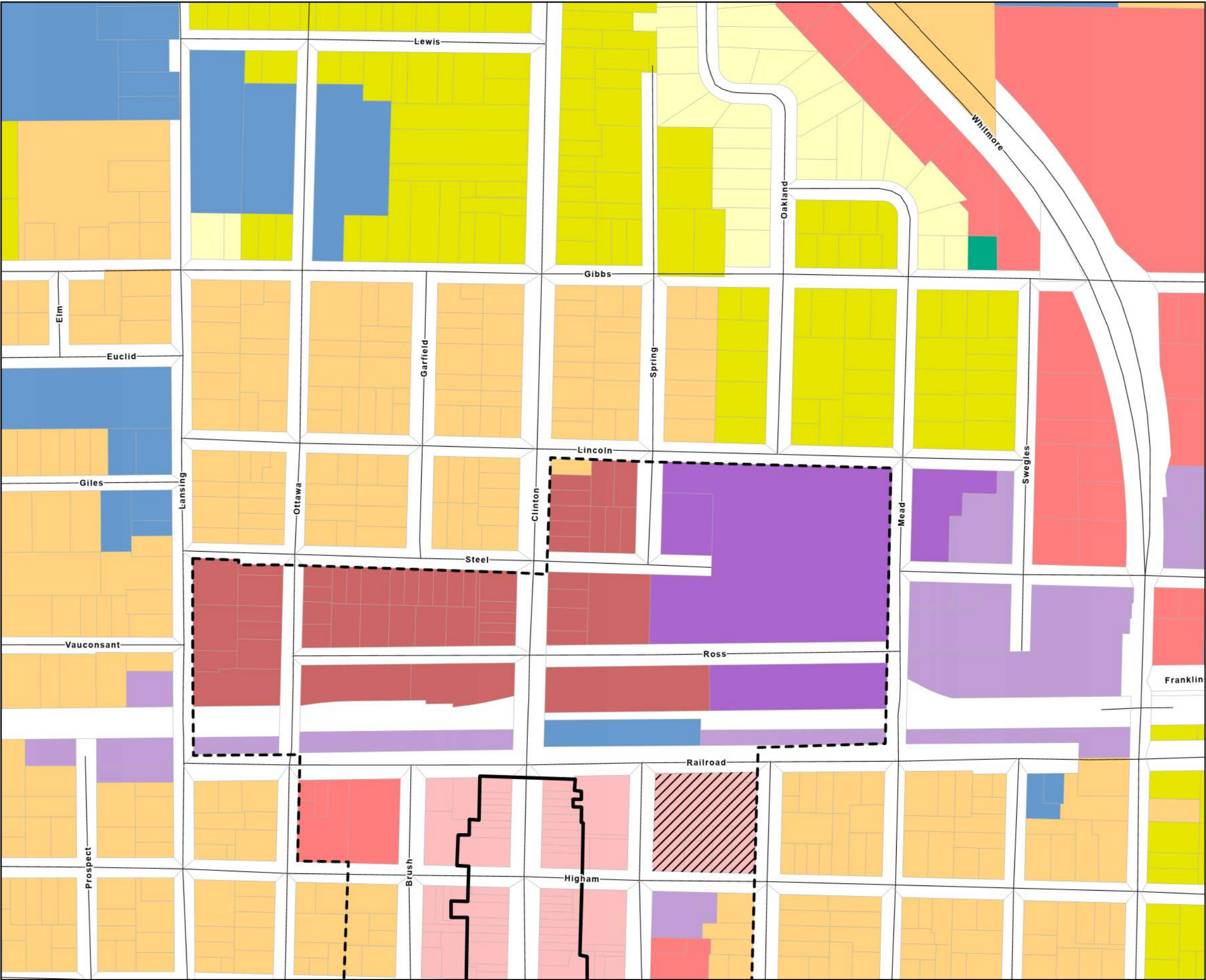
September 25, 2024

- LEGEND**
- City of St. Johns Boundary
 - City of St. Johns Parcels
 - City of St. Johns Roads



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.





Zoning Map North of Downtown

City of St. Johns, Michigan

September 24, 2024

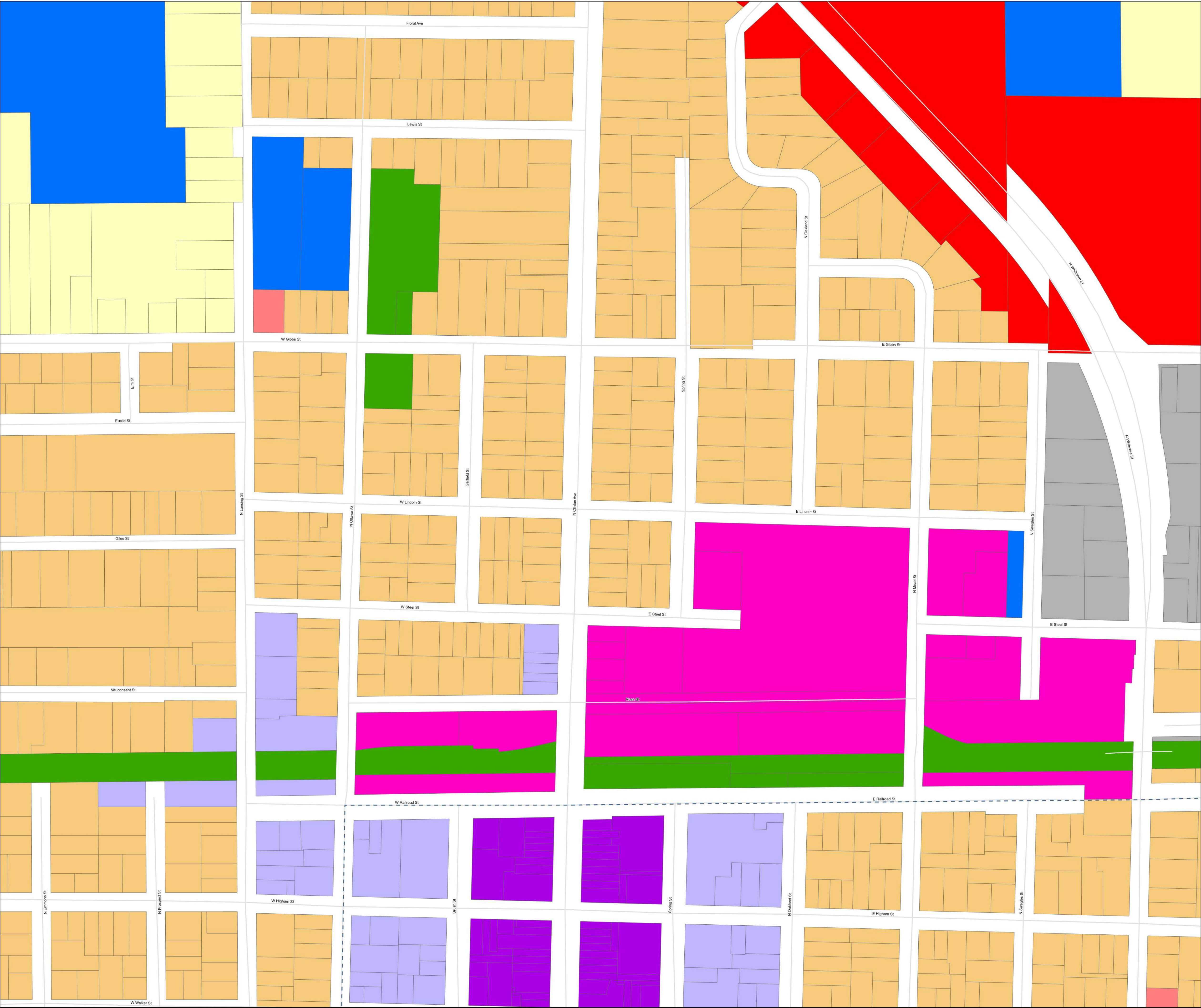
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 - Parking Reduction District
 - Parking Exempt District
 - OwnerAddresses_Clip1 selection

0 500 1,000
Feet



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.





Future Land Use North of Downtown

City of St. Johns, Michigan

September 24, 2024

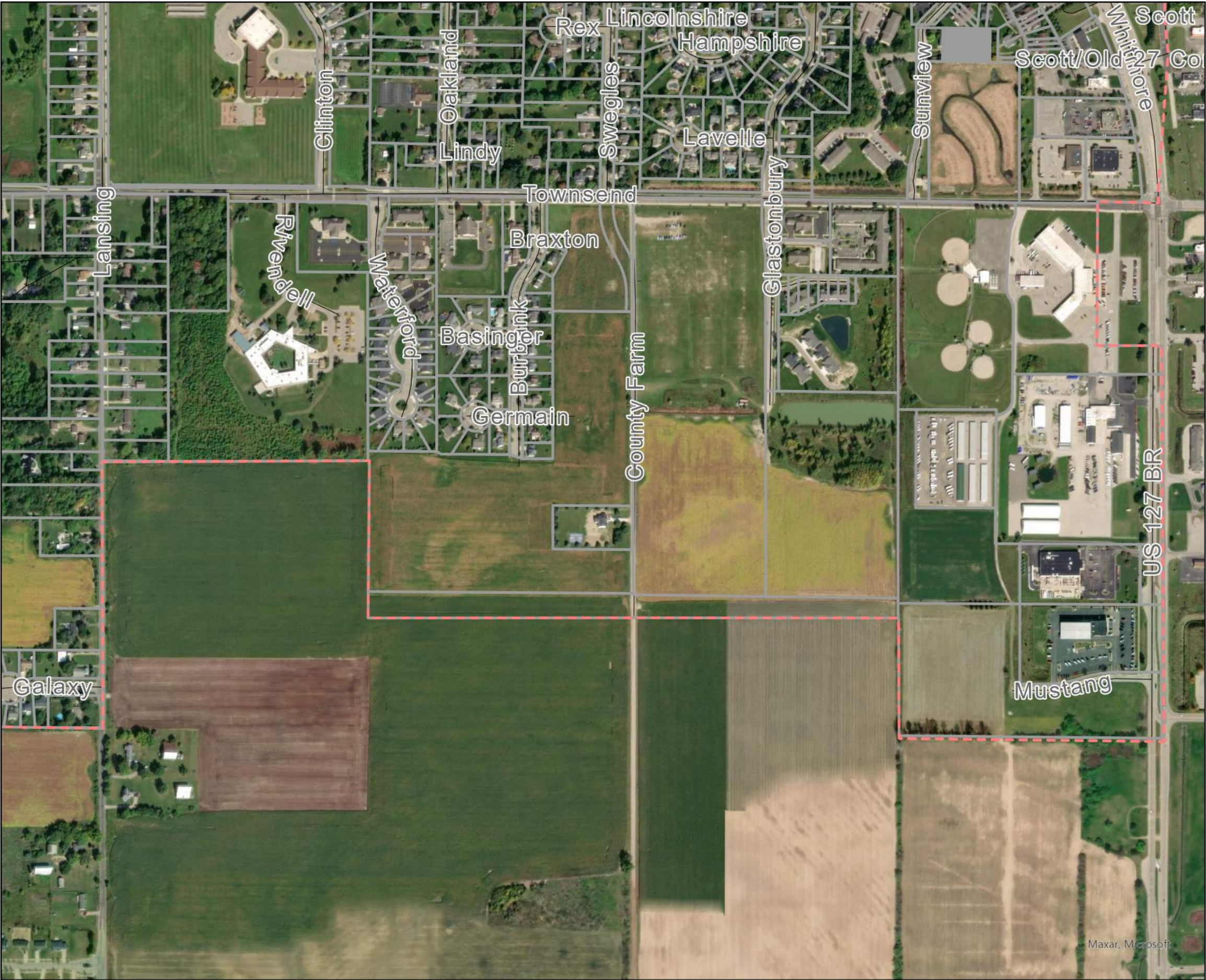
- LEGEND**
- Municipal Boundaries
 - Old Village Overlay
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 - Parcels
 - Parks, Open Space, and Greenways
 - Rural Estate
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 - Gateway Commercial
 - Commercial / Industrial
 - Industrial
 - Agriculture-Energy/Industrial
 - Agriculture-Energy
 - Bingham Township Planning Area/Rural Preservation

0 5001,000
Feet



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.





Aerial Map South

City of St. Johns, Michigan

September 25, 2024

- LEGEND**
- City of St. Johns Boundary
 - City of St. Johns Parcels
 - City of St. Johns Roads



Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021, McKenna 2024.



Zoning Map South

City of St. Johns, Michigan

September 24, 2024

- LEGEND**
- R1 - Low Density Residential
 - R2 - Medium Density Residential
 - R3 - High Density Residential
 - CBD - Central Business District
 - GC - General Commercial
 - MU - Mixed Use
 - I1 - Industrial - High Performance
 - I2 - Industrial - Liberal Performance
 - O - Office
 - MC - Municipal Center
 - Parking Reduction District
 - Parking Exempt District
 - OwnerAddresses_Clip1 selection

0 500 1,000
Feet

Basemap Source: Michigan Center for Geographic Information, v. 17a.
Data Source: Clinton County 2021. McKenna 2024.

