

PLANNING COMMISSION MEETING AGENDA REGULAR MEETING

Marianna Perakis, Chair, Lakshmi Malalahalli, Vice Chair Toby Buechner, Carlton Faison, Tyler Fox, Michael W. Hutson, Tom Krent, Dave Lambert and John J. Tagle

November 12, 2024 7:00 P.M. Council Chambers

- 1. ROLL CALL
- 2. APPROVAL OF AGENDA
- 3. APPROVAL OF MINUTES October 22, 2024
- 4. PUBLIC COMMENT For Items Not on the Agenda

SPECIAL USE APPROVAL

- 5. <u>SPECIAL USE AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-025)</u> Proposed Adult Foster Care Small Group Home (Up to 10 Residents), West side of John R, South side of Abbotsford (5589 John R; PIN 88-20-12-152-003), Section 12, Currently Zoned R-1C (One Family Residential) Zoning District
- SPECIAL USE APPROVAL AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-0007) – Proposed El CarWash, Northwest corner of Long Lake and Dequindre (2955 & 2995 E Long Lake), Section 12, Currently zoned NN (Neighborhood Node "J") Zoning District.

PRELIMINARY SITE PLAN APPROVAL

7. PRELIMINARY SITE PLAN REVIEW (SP JPLN2024-0016) – Proposed Elevate Troy Mixed Use Development, South of Big Beaver, East of Todd (1787 & 1985 West Big Beaver; PIN 88-20-29-226-003, -002 & -020), Section 29, Currently Zoned BB (Big Beaver) Zoning District

OTHER ITEMS

8. GENERAL BUSINESS - 2025 MEETING SCHEDULE

NOTICE:People with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk by e-mail at clerk@troymi.gov or by calling (248) 524-3317 at least two working days in advance of the meeting. An attempt will be made to make reasonable accommodations

- 9. PUBLIC COMMENT For Items on the Agenda
- 10. PLANNING COMMISSION COMMENT
- 11. ADJOURN

Chair Perakis called the Regular meeting of the Troy City Planning Commission to order at 7:00 p.m. on October 22, 2024, in the Council Chamber of the Troy City Hall. Chair Perakis presented opening remarks relative to the role of the Planning Commission and procedure for tonight's meeting.

1. ROLL CALL

Present:

Toby Buechner
Tyler Fox
Michael W. Hutson
Tom Krent
David Lambert
Marianna Perakis

Absent:

Carlton M. Faison Lakshmi Malalahalli John J. Tagle

Also Present:

Ben Carlisle, Carlisle Wortman & Associates R. Brent Savidant, Community Development Director Julie Quinlan Dufrane, Assistant City Attorney Kathy L. Czarnecki, Recording Secretary

2. APPROVAL OF AGENDA

Resolution # PC-2024-10-061

Moved by: Fox
Support by: Buechner

RESOLVED, To approve the agenda as prepared.

Yes: All present (6)

Absent: Faison, Malalahalli, Tagle

MOTION CARRIED

3. APPROVAL OF MINUTES – October 8, 2024

Resolution # PC-2024-10-062

Moved by: Krent Support by: Fox

RESOLVED, To approve the minutes of October 8, 2024 Regular meeting as submitted.

Yes: All present (6)

Absent: Faison, Malalahalli, Tagle

MOTION CARRIED

4. <u>PUBLIC COMMENT</u> – For Items Not on the Agenda

There was no one present who wished to speak.

SPECIAL USE APPROVALS

Mr. Savidant said each applicant was advised that three Planning Commissioners would be absent from tonight's meeting. He stated five (5) affirmative votes are required for the Special Use Approval applications and that it is likely each applicant will request a formal postponement until a full Board is present. Mr. Savidant asked the Planning Commission to provide feedback only to each applicant and conduct the public hearing.

Ms. Dufrane stated at no point should the Planning Commission deliberate on either application.

 PUBLIC HEARING – SPECIAL USE APPROVAL AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-0021) – Proposed Residence Inn Hotel, South side of Butterfield, East of Coolidge (2125 and 2155 Butterfield), Section 29, Currently Zoned BB (Big Beaver) Zoning District

Mr. Carlisle reviewed the Special Use Approval and Preliminary Site Plan application for the Residence Inn Hotel. He said the applicant is asking for consideration of a 30-foot front setback to accommodate outdoor seating. Mr. Carlisle is asking the applicant to redesign the site to comply with the parking requirements or seek a parking deviation. He addressed the proposed number of parking spaces as relates to the lot split and shared parking agreement with the office building.

Mr. Carlisle encouraged the applicant to revise the proposed building elevations and building materials to be more in line with the architectural design standards of the Big Beaver form-based district. He addressed Zoning Ordinance Section 5.04.E Big Beaver District Design Standards, Section 8.06 Site Plan Review Design Standards and Section 9.03 Special Use Approval Standards.

Present were Project Architect Scott Bowers and Shawn Namou of Troy Hotel Group.

There was discussion on:

- Parking.
 - Recalculation of required spaces; parking and mechanical space below office building to effectuate potentially one short parking space.
 - o Requirements for full restaurant use.
 - Underutilized parking of office space.
 - o Flexibility of City ordinance requirements.
 - Consideration by applicant to provide parking study.

- Outdoor seating.
 - o Alternative uses of public space; patio, café, coffee shop, full restaurant.
 - Setback in relation to outdoor seating/patio.
 - o Accessibility of public space by hotel guests, public, pedestrians.
 - Potential to extend lobby area for larger capacity/use.
- Elevations.
 - Architectural design, building materials to meet Big Beaver zoning district.
 - o Higher caliber, sleek, upscale, high-end design and building materials.
 - Marriott flagship brand elements.
- Potential to repurpose hotel in future; condos, apartments.
- Market demand for extended stay hotel.
- Consideration by applicant of incorporate sustainability resources.

PUBLIC HEARING OPENED

There was no one present who wished to speak.

PUBLIC HEARING CLOSED

Mr. Namou asked to postpone the application to a future meeting because there are three members absent.

Resolution # PC-2024-10-063

Moved by: Fox Seconded by: Lambert

RESOLVED, To postpone Special Use Approval and Preliminary Site Plan Approval for the proposed Residence Inn Hotel, South side of Butterfield, East of Coolidge (2125 and 2155 Butterfield), Section 29, Currently Zoned BB (Big Beaver) District, based on the Planning Commission absences, in lieu of the applicant responding to Planning Commission feedback.

Yes: All present (6)

Absent: Faison, Malalahalli, Tagle

MOTION CARRIED

6. <u>PUBLIC HEARING – SPECIAL USE APPROVAL AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-0007)</u> – Proposed El Car Wash, Northwest corner of Long Lake and Dequindre (2955 and 2995 E Long Lake), Section 12, Currently Zoned NN (Neighborhood Node "J") Zoning District

Mr. Carlisle reviewed the Special Use Approval and Preliminary Site Plan application for the El Car Wash. He said the Planning Commission has the authority to grant relief from the build-to-line requirements on both E Long Lake and Dequindre as they relate to the proposed mixed use, two-story building. Mr. Carlisle addressed the use and function of the second floor office space and emphasized its use must not have any affiliation with the car wash use. He suggested discussing with the applicant the excess number of

parking spaces and the number of stacking and vacuum spaces in relation to the Fleis & VandenBrink traffic study.

Mr. Carlisle addressed architectural elevations and building materials, alternatives to seek relief of transparency requirements and pedestrian access to the second floor office use. He addressed Zoning Ordinance Section 5.04.E Big Beaver District Design Standards, Section 8.06 Site Plan Review Design Standards and Section 9.03 Special Use Approval Standards.

Mr. Savidant shared a video presentation prepared by the applicant.

Present were Gabriel Schuchman and Eric Harrison of El Car Wash, Mitchell Harvey of Stonefield Engineering & Design, Eric Meyers of Krieger Klatt Architects, and Julie Kroll of Fleis & VandenBrink.

Mr. Schuchman shared the history of the El Car Wash, its locations in Florida and their up and coming locations throughout Michigan. He addressed their community foundations and local sponsorships. Mr. Schuchman said the second floor of the car wash would be used by local non-profit organizations. He confirmed two interested tenants are *The Rainbow Connection* and *Jenna Kast Believe in Miracles Foundation*.

Ingrid Todt, Executive Director of *The Rainbow Connection*, said their foundation is proud to be a part of the start-up project of the El Car Wash and local communities. She said the office space would be used for their staff and client meetings.

Ms. Kroll said additional traffic from the proposed car wash would be negligible. She said traffic to and from a car wash is considered as pass-by trips. Ms. Kroll said the generation of traffic is not adding to the traffic but only adding to the turning movements at the driveway, redistributing the traffic to the use.

Mr. Harvey addressed the internal and external site circulation, noting they would be working with the RCOC (Road Commission of Oakland County) for designated turn lanes.

Mr. Meyers addressed the architectural design features and color scheme.

There was discussion on:

- Second floor office space.
 - o Prominence of entrance.
 - Pedestrian access.
 - Accessible parking spaces.
 - Violation of Zoning Ordinance should there be an affiliation of office use to the car wash use.
 - Signage to promote non-profit organization tenants.
- Feasibility study / market for a car wash.
- Two communications received by residents expressing concern with traffic impact.

• Gateway signage; Welcome to Troy sign/logo.

- Architectural building materials and color scheme.
- Compatibility of car wash use in the NN (Neighborhood Node) zoning district.
- Consideration by applicant to engage additional mixed uses to the site.

PUBLIC HEARING OPENED

Jennifer Brady, 5074 Fedora Drive; spoke in support of the project.

PUBLIC HEARING CLOSED

Mr. Schuchman asked to postpone the item to a future meeting for consideration by a full Board.

Resolution # PC-2024-10-064

Moved by: Buechner Seconded by: Fox

RESOLVED, To postpone Special Use Approval and Preliminary Site Plan Approval for the proposed El Car Wash, Northwest corner of Long Lake and Dequindre (2955 and 2995 E Long Lake), Section 12, Currently Zoned NN (Neighborhood Node "J") District, to a future date for consideration by a full Board.

Yes: All present (6)

Absent: Faison, Malalahalli, Tagle

MOTION CARRIED

OTHER ITEMS

7. PUBLIC COMMENT – For Items on the Agenda

There was no one present who wished to speak.

8. PLANNING COMMISSION COMMENT

There were general Planning Commission comments.

9. ADJOURN

The Regular meeting of the Planning Commission adjourned at 8:47 p.m.

Respectfully submitted,	
Marianna J. Perakis, Chair	
Kathy L. Czarnecki, Recording Secretary	

https://d.docs.live.net/2f7ed4fe5f664ea8/Documents/Kathy/COT Planning Commission Minutes/2024/2024 10 22 Draft.docx

ITEM #5

DATE: November 4, 2024

TO: Planning Commission

FROM: R. Brent Savidant, Community Development Director

SUBJECT: SPECIAL USE AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-

025) - Proposed Adult Foster Care Small Group Home (Up to 10

Residents), West side of John R, South side of Abbotsford (5589 John R; PIN 88-20-12-152-003), Section 12, Currently Zoned R-1C (One Family

Residential) Zoning District

5589 John R is presently used as an adult foster family home with an occupancy limit of 6 or fewer foster residents. At the present time there are only six (6) residents. The present use is considered a residential use and is permitted by right in all residential districts. The applicant is proposing an interior buildout of four (4) additional rooms in the garage to accommodate a total of ten (10) residents. The additional resident would change the classification to and Adult Foster Care Small Group Home (between 7 and 12 persons) which requires Special Use Approval.

The Planning Commission held a public hearing on this item on August 27, 2024 but took no action. The project was considered by the Zoning Board of Appeals (ZBA), who granted a variance for two (2) additional units on October 15, 2024. Specifically, the ZBA granted relief from Section 6.02.B, which required a minimum site area for a 10-resident adult foster care facility to be at least 4,000 square feet per resident. The site requirement was 40,000 square feet but the site area is only 34,798.5 square feet.

The applicant seeks special use approval from the Planning Commission for an Adult Foster Care Small Group Home for up to ten (10) residents.

Attachments:

- 1. Maps
- 2. Minutes from August 27, 2024 Planning Commission meeting (excerpt)
- 3. Minutes from October 15, 2024 Zoning Board of Appeals meeting (excerpt, draft)

PROPOSED RESOLUTION

<u>SPECIAL USE AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-025)</u> – Proposed Adult Foster Care Small Group Home (Up to 10 Residents), West side of John R, South side of Abbotsford (5589 John R; PIN 88-20-12-152-003), Section 12, Currently Zoned R-1C (One Family Residential) Zoning District

Resolution # PC-2024-11-

Moved by: Seconded by:

WHEREAS, The applicant received a variance from the Zoning Board of Appeals on October 15, 2024, granting relief from the minimum site area requirements of Section 6.02.B of Chapter 39 Zoning Ordinance; and,

WHEREAS, The variance permits the Adult Foster Care Small Group Home to accommodate up to 10 residents.

RESOLVED, That Special Use Approval and Preliminary Site Plan Approval for the proposed Small Group Home (Up to 10 Residents), West side of John R, South of Abbotsford (5589 John R; PIN 88-20-12-152-003), Section 12, Currently Zoned R-1C (One Family Residential) District, be (granted, subject to the following conditions):

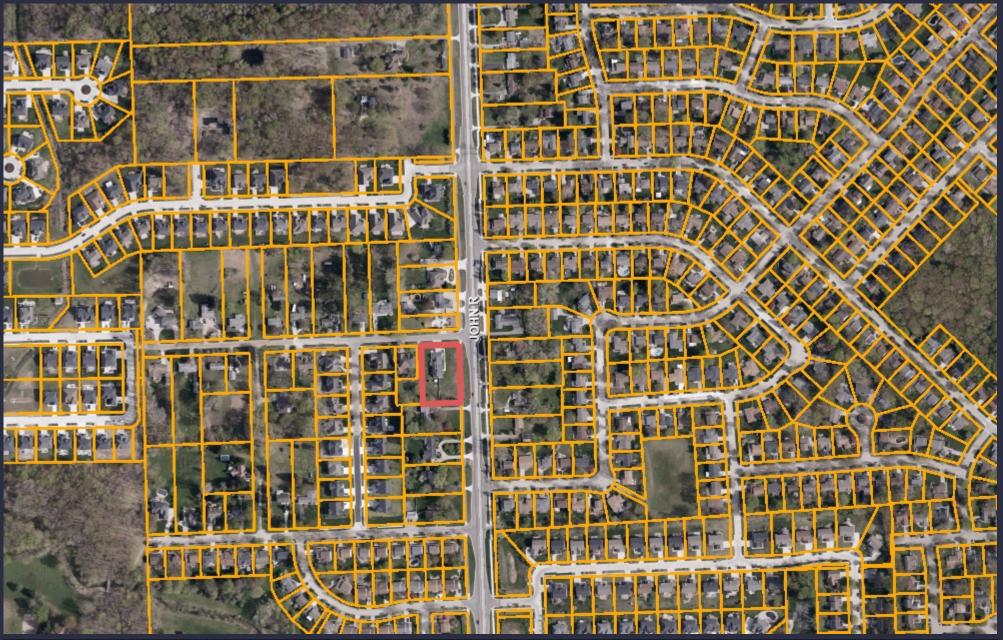
) or
(denied, for the following reasons:) or
(postponed, for the following reasons:)
Yes: No:	
Absent:	

MOTION CARRIED / FAILED



1,038

GIS Online



0 519 1,038 Feet

Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.

TROY

GIS Online







Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.

PUBLIC HEARING – SPECIAL USE AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-0025) – Proposed Adult Foster Care Small Group Home (Up to 10 Residents), West side of John R, South side of Abbotsford (5589 John R; PIN 88-20-12-152-003), Section 12, Currently Zoned R-1C (One Family Residential) Zoning District

Mr. Savidant reviewed the proposed Adult Foster Care Small Group Home application. He presented an overview of an adult foster care facility as defined in the Zoning Ordinance, State regulations and the applicant's request to add four additional bedrooms for a total of ten (10) residents.

In summary, Mr. Savidant asked the Board to consider the application per Section 15.06 of the Zoning Ordinance, hold a public hearing and provide feedback to the applicant. He said the applicant would be seeking a variance from the Zoning Board of Appeals (ZBA) for relief from the density standards of Section 6.02.B.2 to provide a home for a total of ten (10) residents. Mr. Savidant said the Planning Commission would take appropriate action on the Special Use application following ZBA action.

Some Board members shared personal experiences in seeking special care for their loved ones and expressed support of small group homes that offer adult foster care.

Teresa Sandoval was present. Ms. Sandoval addressed the number of years she has offered her services, State regulations, parking, and the special care she provides her residents. She shared a few personal experiences during her years of service.

PUBLIC HEARING OPENED

There was no one present who wished to speak.

PUBLIC HEARING CLOSED

Mr. Fox addressed the applicant with respect to the ZBA standards applied to an application seeking a variance from the Zoning Board of Appeals.

5. HEARING OF CASES:

A. <u>5589 JOHN R, TERESITA SANDOVAL</u> - A variance request from the requirement that the minimum site area for an adult foster care facility be at least 40,000 square feet. The Zoning Ordinance requires 4,000 square feet per resident, and 10 residents are proposed. The site area is 34,798.5 square feet.

Moved by Eisenbacher Second by Fox

RESOLVED, to grant the request.

Yes: Green, Fox, Kenkre, Chambers, Eisenbacher

No: McCauley, Bossenbroek

MOTION PASSED

Specialist

CITY OF TROY SPECIAL USE REQUEST APPLICATION

CITY OF TROY PLANNING DEPARTMENT 500 W. BIG BEAVER TROY, MICHIGAN 48084

PHONE: 248-524-3364 FAX: 248-524-3382

E-MAIL: planning@troymi.gov



SPECIAL USE APPROVAL FEE \$1,800.00

ESCROW FEE **\$1,500.00**

REGULAR MEETINGS OF THE CITY PLANNING COMMISSION ARE HELD ON THE SECOND AND FOURTH TUESDAYS OF EACH MONTH AT 7:00 P.M. AT CITY HALL.

APPLICATIONS FOR SPECIAL USE APPROVALS REQUIRING THE SUBMITTAL OF A SITE PLAN SHALL CONFORM TO THE REQUIREMENTS OF THE TROY ZONING ORDINANCE.

A PLANNING COMMISSION PUBLIC HEARING SHALL BE SCHEDULED FOLLOWING A DETERMINATION BY THE PLANNING DEPARTMENT THAT THE SPECIAL USE REQUEST APPLICATION IS COMPLETE AND MEETS THE REQUIREMENTS OF THE TROY ZONING ORDINANCE.

1.	NAME OF THE PROPOSED DEVELOPMENT:	9 John R Rd
2.	ADDRESS OF THE SUBJECT PROPERTY: 5580	John 2 2d Troy MI 48085,
3.	ZONING CLASSIFICATION OF SUBJECT PROPERTY:	R-10 One family Residential
4.	TAX IDENTIFICATION NUMBER(S) OF SUBJECT PROPER	RTY: 88-20-11-293-037-8038
5.	DESCRIPTION OF PROPOSED USE: AWH FO Home 9 Bedrooms.	ster Cone Small Group
		A Strains & f
6.	SECTION OF THE ZONING ORDINANCE UNDER WHICH S	SPECIAL USE APPROVAL IS SOUGHT: 6.07 and 4.0
7.	APPLICANT:	PROPERTY OWNER:
	NAME Terestra Scandoval	NAME Tenesita Sandalal
	COMPANY Emmanel Servior Living	COMPANY
	ADDRESS 5589 John 27d	ADDRESS 5589 John R RA
	CITY STATE M ZIP 48085	CITY Troy STATE ML ZIP 48085
	TELEPHONE 248 8129177	TELEPHONE 248 812 9177
	E-MAIL teresitasandovalcamailton	E-MAIL teresitiosandoual Egmail com
8.	THE APPLICANT BEARS THE FOLLOWING RELATIONSHI	IP TO THE OWNER OF THE SUBJECT PROPERTY:
_	Self	
9.	SIGNATURE OF APPLICANT	DATE 6/10/24
10.	SIGNATURE OF PROPERTY OWNER	DATE 6/10/24

BY THIS SIGNATURE, THE PROPERTY OWNER AUTHORIZES THE PLACEMENT OF A SIGN ON THE PROPERTY TO INFORM THE PUBLIC OF THE REQUEST FOR SPECIAL USE APPROVAL.

From: <u>Emmanuel Senior Living</u>

To: Brent Savidant

Cc: <u>Jackie Ferencz</u>; <u>George Stroebel</u>

Subject: Re: Special Use Request Application - Emmanuel Senior Living

Date: Thursday, July 11, 2024 8:03:48 AM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png image005.png image006.png

Some people who received this message don't often get email from emmanuelseniorliving@gmail.com. <u>Learn why</u> this is important

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Brent and Jackie,

Thank you for taking the time to talk to us yesterday and explain the process for the special use application.

Just wanted to summarize

Emmanuel Senior Living facility is currently licensed for 6 seniors in 5 existing rooms.

We are seeking to construct 4 more rooms in the current garage. This expansion would enable us to increase the number of seniors we serve from 6 to 10 there will be minimal changes to the property's exterior, as all renovations will be in the inside of the existing garage.

Additionally, we wish to point out that the property spans @ 35,000 square feet; however, there is a city easement at the back of the house and we would like to have this land be incorporated into the property if possible so that we meet the requirements.

Please let me know if you need anything else from us.

Best Regards,

Teresita

Sent from my iPhone

On Jul 10, 2024, at 3:44 PM, Emmanuel Senior Living emmanuelseniorliving@gmail.com> wrote:

Thank you Jackie!

GREICHEN WHIIMER

STATE OF M CHGAN

GOVERNOR

MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS Q866323

License for Adult Foster Care

Facility Name:

Em m anuelSeniorLiving LLC

5589 John R Road

Troy, MI 48085

Licensee:

Em m anuelSeniorLiving, LLC

Suite 177

145 S. Livernois

RochesterHills,MI 48307

LICENSE NUMBER

AS630348375

EFFECTIVE DATE

02/29/2024

CAPACITY

EXPIRATION DATE

02/27/2026

STATUS REGULAR

Issued in accordance with Act218, Public Acts of 1979, as am ended, being the Adult Foster Care Facility Licensing Act.

PROGRAM

CERTIFIED

Aged

A kheim ers

Physically Handicapped

From: Emmanuel Senior Living

To: Brent Savidant
Cc: Jackie Ferencz

Subject:Emmanuel Senior Living - ParkingDate:Thursday, August 1, 2024 4:15:50 PMAttachments:support letter next door home.pdf

Emmanuel Senior Living License .pdf

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Brent,

I trust this email finds you in good health and spirits. As you may know, Emmanuel Senior Living has served as a haven for seniors in our community over the past 11 years, consistently delivering superior care in a secure and cost-effective living environment.

Currently licensed to care for six seniors requiring specialized attention in memory care, including Alzheimer's, as well as those who are aged and physically handicapped, Emmanuel Senior Living takes pride in its high standard of service (please refer to the attached license for more details). We are excited about the opportunity to extend our care to four additional residents, increasing our capacity to a total of ten seniors with the proposed expansion.

I would like to assure you that parking will remain ample and unaffected by this expansion. Our property's driveway can comfortably accommodate six vehicles, and it is worth noting that typically, we observe no more than two cars parked at any given time.

The modest scale of this expansion means we anticipate the need for just one additional caregiver. Consequently, the essence and appearance of the property will be preserved, maintaining the familiar and tranquil environment that has been part of our community's fabric for over a decade.

Should you have any inquiries or need further clarification, please feel free to reach out.

Warm regards,

Teresita Sandoval,

Manager

Emmanuel Senior Living LLC

SECTION 11, T.2 N.-R.11 E., AMENDED PLAT OF PART OF LOTS 5 & 6 "EYSTER'S JOHN R. FARMS", CITY OF TROY, OAKLAND COUNTY, MICHIGAN NORTHEAST CORNER N02°34'39"W 500.00' SECTION 11 FOUND OAKLAND COUNTY REMON ABBOTTSFORD AVE. (60' WIDE) N87°02'16"E (M) N89°22'00"E (R) 150.00' 59.02' CONCRETE DRIVE NORTHEAST-CORNER LOT 6 S02°Ž1'37"E (M) S00°01'53"E (R) 232.00' N00°01'53"W (R) 231.98' LOT 6 'EYESTER'S JOHN R. FARMS' LOT 6 147.00' EAST SECTION LINE N02°34'39"W 749.67" HOUSE REMAINDER (M) PLAT OF PART OF LOTS 5 & 6 "EYELTER'S JOHN R. FARMS" PARCEL WEST LINE LOT 5 AMENDED N02°21'37"W S87°02'48"W 150.00' CORNER LOT 5 PARCEL A LOT 5 SOUTHEAST AMENDED PLAT OF 85.00' PART OF LOTS 5 & 6 LOT 5 "EYESTER'S JOHN R. FARMS" -12' PRIVATE EASEMENT FOR STORM SEWER & SURFACE DRAINAGE L.25951, P.421 S87°02'48"W (M) S89°22'32"W (R) 150.00" EAST 1/4 CORNER "EYESTER'S JOHN R. FARMS" SECTION 11 CALCULATED POSITION PER AMENDER PLAT. LOT 4 CORNER REMOVED DUE TO CONSTRUCTION. I hereby certify that I have surveyed and mapped the above plotted and/or described land on January 21, 2021, and that all of the requirements of Public Act 132 of 1970 as amended have been complied with and is within the acceptable limits of the surveying profession. Date: - Found Survey Corner Brian M. Bartlett Set Survey Corner Professional Surveyor No. 4001050427 Sheet 1 of 2 SCALE: 1 inch = 50 ft.





SURVEYING • ENGINEERING • CONSTRUCTION SERVICES

4471 M-61 Standish, Michigan 48658 tel 989-846-6601 fax 989-846-6607

CERTIFICATE OF SURVEY

Teresita Sandoval 5589 John R Troy, Michigan 48085

Date: January 21, 2021
Drawn By: K. Morley
Approved By: B. Bartlett
Project No.: 21094
Drawing No.: A-12259

SECTION 11, T.2 N.-R.11 E., AMENDED PLAT OF PART OF LOTS 5 & 6 "EYSTER'S JOHN R. FARMS", CITY OF TROY. OAKLAND COUNTY, MICHIGAN

LEGAL DESCRIPTIONS

Parent Parcel:

Liber 52272, Page 368

Situated in the City of Troy, County of Oakland, and State of Michigan, to-wit:

EAST 150 FEET OF LOTS 5 AND 6, JOHN R. FARMS SUBDIVISION, ACCORDING TO THE PLAT THEREOF, AS

RECORDED IN LIBER 48 OF PLATS, PAGE 12, OAKLAND COUNTY RECORDS.

MORE RECENTLY DESCRIBED AS FOLLOWS:

LOTS 5 AND 6 OF "AMENDED PLAT OF PART OF LOTS 5 & 6 "EYSTER'S JOHN R. FARMS", AS RECORDED IN LIBER 283 OF PLATS, PAGE 5 OAKLAND COUNTY RECORDS.

Parcel A:

A parcel of land being the South 85.00 feet of Lot 5 of "Amended Plat of Part of Lots 5 & 6 "Eyester's John R. Farms" part of the Northeast 1/4 of Section 11, T.2 N.-R.11 E., City of Troy, Oakland County, Michigan described as follows: Beginning at the Southeast corner of Lot 5 of said Amended Plat; thence S.87°-02'-48"W., on the South line of Lot 5 of said Amended Plat, 150.00 feet to the West line of Lot 5 of said Amended Plat; thence N.02°-21'-37"W., on said West line, 85.00 feet; thence N.87°-02'-48"E., parallel with the South line of Lot 5 of said Amended Plat, 150.00 feet to the East line of Lot 5 of said Amended Plat; thence S.02°-21'-37"E., on said East line, 85.00 feet to the point of beginning.

Remainder Parcel:

A parcel of land in the "Amended Plat of Part of Lots 5 & 6 "Eyester's John R. Farms" part of the Northeast 1/4 of Section 11, T.2 N.-R.11 E., City of Troy, Oakland County, Michigan described as follows: Beginning at the Northeast corner of Lot 6 of said Amended Plat; thence S.02°-21'-37"W., on the East line of Lots 5 and 6 of said Amended Plat, 147.00 feet; thence S.87°-02'-48"W., parallel with the South line of Lot 5 of said Amended Plat, 150.00 feet to the West line of Lot 5 of said Amended Plat; thence N.02°-21'-37"W., on said West line, 146.98 feet to the North line of Lot 6 of said Amended Plat; thence N.87°-02'-16"E., on said North line, 150.00 feet to the point of beginning.

NOTE: The East line of "Amended Plat of Part of Lots 5 & 6 "Eyester's John R. Farms" was assumed as S.02°-21'-37"E.

RELATIVE POSITIONAL PRECISION TABLE

ALLOWABLE (0.07' + 50 PPM)

PT	A	В	c	D	E	F
Α		0.078	0.077	0.080	0.082	0.084
В	0.036		0.081	0.077	0.084	0.082
С	0.035	0.024		0.078	0.074	0.079
D	0.033	0.021	0.021		0.079	0.074
E	0.063	0.058	0.057	0.056		0.078
E	0.074	0.069	0.069	0.068	0.087	

Survey Accuracies:

The Relative Positional Precision is the length of the semi-major axis of the error ellipse at a 95 % confidence level at each point and their relation to other points in this survey. This table consists of points that are either found or set for this parcel. Point locations are labeled on this survey drawing.

I hereby certify that I have surveyed and mapped the above plotted and/or described land on January 22, 2021, and that all of the requirements of Public Act 132 of 1970 as amended have been complied with and is within the acceptable limits of the surveying profession.

1/22/21

Brian M. Bartlett

Professional Surveyor No. 4001050427

Brian Michael **Bartlett** 4001050427 FESSION



SURVEYING . ENGINEERING . CONSTRUCTION SERVICES 4471 M-61

Standish, Michigan 48658 tel 989-846-6601 fax 989-846-6607 CERTIFICATE OF SURVEY

Sheet 2 of 2

Teresita Sandoval 5589 John R Troy, Michigan 48085

January 21, 2021 Date: K. Morley Drawn By: Approved By: B. Bartlett Project No.: 21094

Drawing No.: A-12259 Michigan Department of Treasury, 1019 (Rev, 12-22)

THIS IS NOT A TAX BILL

L-4400

Notice of Assessment, Taxable Valuation, and Property Classification

23046

FROM CITY OF TROY ASSESSING DEPT	et (c) and Sec.211.34c, as amended. Tr	PARCEL IDENTIFICATION		
KELLY TIMM				
500 W BIG BEAVER		PARCEL NUME	BER: 88-20- 1	11-277-037
TROY, MI 48084-5254		PROPERTY AD	DRESS:	
			OHN R	
		_	MI 48085-3857	
OWNER'S NAME & ADDRESS/PERSON NAMED ON ASS	SESSMENT ROLL:	11.01	, 1011 40000-3007	
	- SOMERT ROLL.		NCIPAL RESIDENCE E	
**************************************			meowners Principal Residence	.00%
5589 JOHN R RD			alified Agricultural Property":	.00%
TROY, MI 48085-3857			BT Industrial Personal":	.00%
եկիովեվիկիկոկովիկորդիովիկի	իորդեր		BT Commercial Personal":	.00%
		Exempt As "Qua	alified Forest Property":	Yes X No
		Exempt As "Dev	/elopment Property":	Yes X No
LEGAL DESCRIPTION:				
T2N, R11E, SEC 11				
AMENDED PLAT OF			•	
PART OF LOTS 5 & 6				
ACCORDING TO MCL 211.34c THIS PROPE	RTY IS CLASSIFIED AS:	401 (RESIDEN	TIAL IMPROVED	
PRIOR YEAR'S CLASSIFICATION: 401 (RE				
1. TAXABLE VALUE:	F	PRIOR AMOUNT YEAR: 2022	CURRENT TENTATIVE AMOUNT YEAR: 2023	CHANGE FROM PRIOR YEAR TO CURRENT YEAR
		114,610	120,340	
2. ASSESSED VALUE:		220,790	215,020	5,730
3. TENTATIVE EQUALIZATION FACTOR:	1.000		213,020	
4. STATE EQUALIZED VALUE (SEV):		220,790		
5. There WAS or WAS NOT a transfer of owners	ship on this property in 2022	2 WAS NOT	215,020	-5,770
6. Assessor Change Reason(s): MARKET	property in 2022	- WAS NOT		
		Please	note the	2 4 0
		_		e nue
		Parcels	have be	en
		NOVORCE	red	
The 2023 Inflation rate Multiplier is: 1.05		<u> </u>		
Questions regarding the Notice of Assessment, Tame:	axable Valuation, and Prop	perty Classification	n may be directed to the I	Following
ame: KELLY M TIMM	Phone:	Email Ad		onowing.
	(248) 524-3311	T	uress. ASSESSOR@TROYMI.G	2014
arch Board of David	111 (111 (111 (111 (111 (111 (111 (111	1		UV

March Board of Review Appeal Information:

THE MARCH BOARD OF REVIEW WILL BE MEETING ON MARCH 7TH, 2023 FROM 10AM-12PM FOR AN ORGANIZATIONAL THE BOARD OF REVIEW WILL BE WARREN OF THE BOARD OF REVIEW WARREN OF THE BOARD OF THE BOARD OF REVIEW WARREN OF THE BOARD OF THE BOAR

THE BOARD OF REVIEW WILL BE IN SESSION TO HEAR APPEALS ON THE FOLLOWING DATES: MONDAY, MARCH 13TH, 2023 (9AM-4PM), TUESDAY, MARCH 14TH, 2023 (1PM-9PM), AND THURSDAY, MARCH 16TH, 2023 (9AM-4PM).

APPOINTMENTS ARE NECESSARY TO APPEAL YOUR ASSESSMENT AND MUST BE SCHEDULED NO LATER THAN 12:00PM (NOON) ON THURSDAY, MARCH 16TH, 2023. PLEASE CALL (248) 524-3311 TO SCHEDULE AN APPOINTMENT

Michigan Department of Treasury, 1019 (Rev, 12-22)

THIS IS NOT A TAX BILL

L-4400

Notice of Assessment, Taxable Valuation, and Property Classification

This form is issued under the authority of P.A. 206 of 1893, Sec. 211.24 (c) ar	nd Sec.211.34c, as amended. This	s is a model assessment	notice to be used by the local assessed PARCEL IDENTIFICA	
KELLY TIMM 500 W BIG BEAVER TROY, MI 48084-5254		PARCEL NUME	BER: 88-20-1	1-277-038
OWNER'S NAME & ADDRESS/PERSON NAMED ON ASSESSMI ************AUTO**5-DIGIT 48085 5589 JOHN R RD 5589 JOHN R RD TROY, MI 48085-3857		% Exempt As "Ho % Exempt As "Qu % Exempt As "MB % Exempt As "MB Exempt As "Qua	NCIPAL RESIDENCE EX meowners Principal Residence' alified Agricultural Property": IT Industrial Personal": IT Commercial Personal": alified Forest Property":	
LEGAL DESCRIPTION: T2N, R11E,SEC 11 AMENDED PLAT OF PART OF LOTS 5 & 6				
ACCORDING TO MCL 211.34c THIS PROPERTY I		402 (RESIDEN	TIAL-VACANT)	
PRIOR YEAR'S CLASSIFICATION: 402 (RESIDE	PI	RIOR AMOUNT EAR: 2022	CURRENT TENTATIVE AMOUNT YEAR: 2023	CHANGE FROM PRIOR YEAR TO CURRENT YEAR
1. TAXABLE VALUE:		25,620	26,900	1,280
2. ASSESSED VALUE:		49,610	51,820	2,210
3. TENTATIVE EQUALIZATION FACTOR:	1.000	rasi Pana Pan		
4. STATE EQUALIZED VALUE (SEV):		49,610	51,820	2,210
5. There WAS or WAS NOT a transfer of ownership of	on this property in 2022	WAS NOT		
6. Assessor Change Reason(s): MARKET	,	Please Pomoels Combon	note the though the been	wo
The 2022 Inflation and Market			24	
The 2023 Inflation rate Multiplier is: 1.05 Questions regarding the Notice of Assessment, Taxab	ole Valuation, and Prop	erty Classificatio	n may be directed to the	Following:
ame: Pho KELLY M TIMM		Email A		

Name: KELLY M TIMM	Phone: (248) 524-3311	Email Address: CITYASSESSOR@TROYMI.GOV
March Board of Review Appeal Information:		

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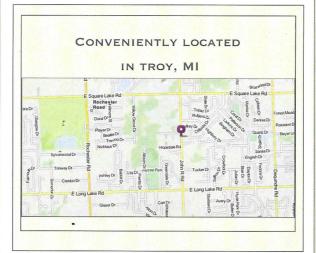






We encourage family members to come and eat with your loved one at the home. If you will call ahead we can accommodate your arrival and we welcome it! Feel free to contact us any time.

Our commitment to you is that your loved one will be safe and cared for like one of our own. We are committed to this. We feel it an honor to be in this business and view these wonderful elderly people as a gift from God to be cared for in a loving way that reflects our personal values and commitment.



We look forward to meeting you and walking around the facility personally with you. It will be a pleasure to share more about our home and the quality care we provide. Please don't hesitate to contact us!

Sincerely,

Emmanuel Senior Living

5589 JOHN R RD TROY, MICHIGAN 48085 (248) 812 - 9177 www.emmanuelseniorliving.com

WE ARE LICENSED BY THE STATE OF MICHIGAN

AND A PROUD MEMBER OF MALA

EMMANUEL

SENIOR LIVING







Welcome to "Emmanuel Senior Living". Troy Assisted Senior Living with luxurious and extensive services for both independent and assisted living needs. Our family atmosphere and qualified caregivers provide our residents compassionate care, a dignified, safe and secure living environment.





Residents will enjoy the same activities and interests they always have.

Helping them to maintain their positive self-image, sense of purpose, confidence and independence.

We will make sure that your loved one will be active and healthy as possible.

We hope to be welcoming your loved one home soon!

BECAUSE WE CARE

WE PROVIDE OUR RESIDENTS:

- ♦ Dedicated Staff 24/7 365 days
- ♦ Barrier Free Home
- → Medication Management
- → Joyful companionship
- **♦** Three Home Made Meals
- ♦ Low-Calorie Snacks Throughout the Day
- ◆ Personal Care Monitoring
- ♦ Caring Assistance with Daily Activities such as: Bathing, Dressing, Grooming and Eating
- → Daily Housekeeping Services
- **♦** Laundry Services
- ♦ No smoking facility
- **♦** Transportation Arrangements
- ♦ WIFI
- **♦** Cable TV



- ♦ Activities:
 - ◆Exercise, Games, Puzzles, Music, Painting, Drawing and more!
- ♦ Celebrating holidays, birthdays and LIFE!
- ♦ Telephone (free unlimited local and long distance calls in the US)
- ◆Alarm system monitored and connected to emergency responders







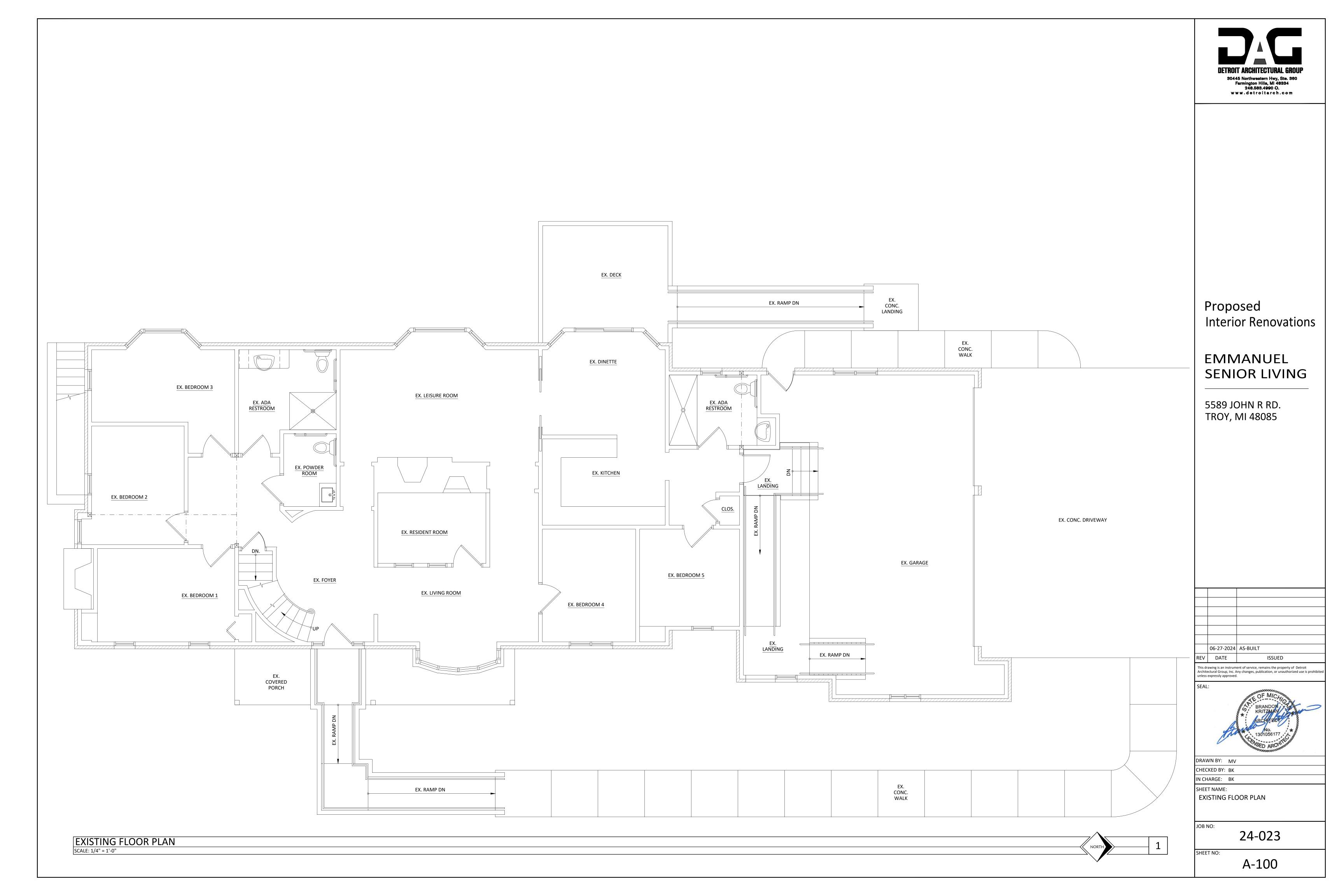












GENERAL CONSTRUCTION NOTES

- 1. PLAN, SECTION AND DETAIL DIMENSIONS GOVERN. DO NOT SCALE.
- 2. COMPLY FULLY WITH REQUIREMENTS OF OSHA AND OTHER REGULATORY AGENCIES FULLY
- 3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MICHIGAN RESIDENTIAL **BUILDING CODE-2003.**
- 4. NOTIFY ARCHITECT OF DISCREPANCIES.
- 5. BUILDER SHALL OBTAIN BUILDING AND ENGINEERING PERMITS AS REQUIRED FOR ALL PHASES OF CONSTRUCTION.
- 6. BUILDER SHALL MAINTAIN A SET OF AGENCY APPROVED PLANS ON SITE FOR ALL INSPECTIONS. SHOULD THE PLANS NOT BE ON SITE, INSPECTIONS WILL NOT BE ALLOWED AND ADDITIONAL FEES MAY APPLY. CONTRACTOR TO BE RESPONSIBLE FOR ANY SUCH FEES.
- 7. WORK COVERED WITHOUT INSPECTION MAY BE REQUIRED TO BE UNCOVERED AND INSPECTED, BY ARCHITECT OR INSPECTOR.
- 8. ALL INDIVIDUAL GLAZED AREAS, WHETHER AS AN ASSEMBLY OR SEPARATE, MUST MEET LABELING REQUIREMENTS AS DIRECTED PER CODE TO VERIFY COMPLIANCE WITH SAFETY GLAZING REQUIREMENTS. ALL SUCH GLAZING AND LABELS WILL BE SUBJECT TO FIELD
- 9. THE CONTRACTOR SHALL PROVIDE WRITTEN CHANGE ORDERS DOCUMENTING ADDITIONAL WORK, OR DELETION OF WORK, PRIOR TO THE CHANGE BEING PERFORMED ON THE JOB.
- 10. ADJACENT LOTS AND STREET SHALL BE MAINTAINED FREE OF DIRT AND DEBRIS DURING CONSTRUCTION.
- 11. BALCONY GUARDS SHALL BE BALUSTERS SPACED NO FARTHER THAN 4" APART PER THE
- 12. FIRESTOP ALL DROPS AND CHASES, ELECTRICAL PLUMBING AND HEATING. APPROVED BY FIRESTOP MATERIAL REQUIRED FOR ALL DROPS AND FLOOR OR CEILING PENETRATIONS AS OUTLINED IN SECTIONS M1801 AND R602 OF 2003 MICHIGAN RESIDENTIAL BUILDING CODE.

REQUIREMENTS OF THE 2003 MICHIGAN RESIDENTIAL BUILDING CODE SECTION R316.

- 13. PROVIDE ON-SITE DUMPSTER THROUGHOUT THE DURATION OF THE WORK.
- 14. UNLESS OTHERWISE NOTED INSULATION VALUES SHALL BE THE FOLLOWING: CATHEDRAL CEILINGS SHALL BE R-30, STUD WALLS SHALL BE R-19.
- 15. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL MAKE GOOD ANY DEFECTS WITHIN THAT PERIOD AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES

- 1. ALL FEDERAL, STATE AND LOCAL CODES, ORDINANCES, REGULATIONS, ETC. SHALL BE CONSIDERED AS PART OF SPECIFICATIONS FOR THIS BUILDING AND SHALL TAKE PRECEDENCE OVER ANYTHING SHOWN, DESCRIBED, OR IMPLIED WHERE VARIANCES OCCUR.
- 2. DO NOT SCALE DRAWINGS CONTRACTORS SHALL VERIFY ALL DIMENSIONS
- 3. ROOF FRAMING SHALL BE COMPRISED OF PRE-ENGINEERED WOOD TRUSSES. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO DESIGNER PRIOR TO CONSTRUCTION. INFILL WITH 2x
- 4. ALL FINISH MATERIALS TYPE, MANUFACTURER, MODEL, COLOR SHALL BE AS SPECIFIED BY
- 5. CONTRACTOR SHALL PROVIDE 6" ALUM. GUTTERS AND CONDUCTORS W/ CONC. SPLASHBLOCKS AS REQ'D.
- 6. ALL INTERIOR WALLS AS SHOWN SHALL BE 2X4 WOOD STUD FRAMING @ 16" O.C. UNLESS OTHERWISE NOTED.
- 7. ALL INTERIOR WALLS DIMENSIONED 5" ARE ACTUAL 4 1/2" (1/2" G.W.B EA. SIDE 2x4)
- 8. VERIFY WINDOW HEADER HEIGHTS PER PLATE HEIGHT, USE ELEVATIONS.
- 9. PREFABRICATED FIREPLACES AND FLUES ARE TO BE U.L. APPROVED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- 10. ALL MATERIALS, SUPPLIES AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS AND PER LOCAL CODES AND REQUIREMENTS.
- 11. PROVIDE 1/2" WATER-RESISTANT GYPSUM BOARD AROUND SHOWERS, TUBS AND WHIRLPOOLS.
- 12. WINDOW SPEC. SHALL BE DETERMINED BY OWNER / CONTRACTOR. CONFIRM WINDOW OPENINGS FOR LOCAL EGRESS REQUIREMENTS AND MINIMUM LIGHT AND VENTILATION REQUIREMENTS. MIN 5.7 S.F. NET OPENING - 44" MAX SILL HEIGHT - MIN 24" HGT AND MIN
- 13. STAIR SPECIFICATION CONSTRUCTED IN ACCORDANCE WITH SECTION R311.7 MIN 2X12 STRINGER - STAIR WIDTH MIN 36" - HANDRAIL/GUARDRAIL @ 36" AB TREAD NOSING -OPENINGS IN RAIL/BALUSTRADE SHALL COMPLY WITH SECTION R312.3 OPENING LIMITATIONS.
- 14. WIND BRACING SHALL BE IN ACCORDANCE WITH MRC 602.10.
- 15. SMOKE AND CO DETECTORS SHALL BE HARD WIRED TO ELECTRICAL SYSTEM. ALARMS SHALL HAVE BATTERY POWER BACK UP IN CASE OF POWER FAILURE.

STRUCTURAL SPECIFICATIONS

WOOD HEADER SCHEDULE FLOOR LOAD DESIGN FLOOR LIVE LOAD 40 PER SF -UP TO 4'-0" OPENING (2) 2X8 -4'-0" TO 6'-0" OPENING (2) 2X10 **ROOF TRUSS DESIGN** TOP CHORD LIVE LOAD AND TOP CHORD DEAD LOAD -6'-0" TO 10'-0" OPENING (2) 2X12 UNLESS NOTED BOTTOM CHORD DEAD LOAD 10 PER SF -PROVIDE MIN. (2) 2X4 GROUND SNOW LOAD 20 PER SF POSTS UNDER ALL HEADER FLAT ROOF SNOW LOAD 27 PER SF BEARING POINTS.

1.0

115 MPH

-ALL HEADERS SHALL BE

GLUED AND NAILED

WIND DESIGN SPEED
WIND LOAD IMPORTANCE FACTOR WIND FXPOSURE -8.53 WIND DESIGN PRESSURE REINFORCED CONCRETE

FOUNDATION WALLS

SNOW EXPOSURE FACTOR

WIND LOAD DESIGN

SNOW LOAD IMPORT FACTOR

- FRAMING LUMBER • STRUCTURAL FLOOR FRAMING BASED ON HEMLOCK NO. 2 OR BETTER FLOOR
- STUDS SHALL BE KILN DRIED SPRUCE/PINE/FIR CONSTRUCTION GRADE.
- WOOD STRUCTURAL PANEL SHEATHING FOR STRUCTURAL PURPOSES SHALL CONFORM TO DOC PS. DOC PS2, CAS 0437 OR CAS 0325

NOTE: THE TRUSS MANUFACTURER SHALL PROVIDE TRUSS LAYOUTS AND CALCULATIONS NECESSARY FOR ALL TRUSSES, GIRDERS AND FOR ALL OTHER WORK AND MATERIAL THEY PROVIDE.

FRAMING NOTES

- 1. ALL BLOCKING, HANGERS, AND RIM BOARDS AT THE END SUPPORTS OF JOISTS MUST BE COMPLETELY INSTALLED AND PROPERLY NAILED.
- 2. SUB-FLOOR OR SHEATHING MUST BE COMPLETELY ATTACHED, GLUED OR NAILED TO EACH JOIST BEFORE ADDITIONAL LOADS MAY BE PLACED ON THE SYSTEM.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE HANDLING, INSTALLATION, AND TEMPORARY BRACING IN A GOOD WORKMANLIKE MANNER AND IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN WTCA/TRI'S BDG. COMPONENT SAFETY INFORMATION & PUBLIC THE PRACTICE OF HANDLING. INSTALLATION & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.
- 4. THE ROUGH CARPENTRY CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO THE START OF FABRICATION OR CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- 5. ALL LUMBER AND FRAMING TECHNIQUES SHALL CONFORM TO APPLICABLE SECTIONS OF THE LATEST SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENERS. ALL WORK SHALL CONFORM WITH THE TRUSS PLATE INSTITUTE, AMERICAN PLYWOOD ASSOCIATION AND THE NATIONAL FORESTS PRODUCTS ASSOCIATION.
- 6. ALL FLUSH BEAMS AND JOISTS CONNECTIONS SHALL BE FASTENED WITH AN APPROPRIATE CAPACITY METAL HANGER OR STRAP (NO JOIST ANGLES) OR EQUIVALENT METAL PRODUCT AS APPROVED BY A STRUCTURAL ENGINEER AND (1) TOE NAIL (16D) FOR EACH 1000 LBS. OR AXIAL LOAD OR EACH SUPPORT STUD. POST BASE AND SUPPORT SHALL PROVIDE SUFFICIENT BEARING WITH ENGINEERED LOAD, AXIAL LOAD, OR EACH SUPPORT STUD. POST BASE AND SUPPORT SHALL PROVIDE SUFFICIENT BEARING WITH ENGINEER APPROVED METAL CONNECTOR AND/OR TWO (2) TOE NAILS FOR EACH 1000 LBS. OF AXIAL LOAD OR SUPPORT
- ALL LUMBER BEARING SHALL PROVIDE SUFFICIENT AREAS REQUIRED BEARING STRENGTH (PSI) TO PROPERLY SEAT MEMBER.
- 8. ALL SHEATHED STUDS SHALL BE LIMITED TO 2250 LBS. OF AXIAL LOAD.
- 9. ALL FLOOR JOISTS, RAFTERS, STUDS, CEILING JOISTS, AND BLOCKING TO BE #2 OR BETTER HEM FIR UNLESS OTHERWISE NOTED. FLOOR JOISTS TO HAVE 1X3 CROSS BRIDGING 8'-0" ON
- 10. ALL BUILT UP WOOD POSTS, BEAMS AND GIRDERS SHALL BE NAILED AND/OR BOLTED PER
- 11. ROOF TRUSS FRAMING INDICATED ON THE DRAWINGS IS AN ASSUMED LAYOUT. ROOF TRUSS MANUFACTURER TO SUPPLY THE ARCHITECT WITH TRUSS SHOP DRAWINGS PRIOR TO FABRICATION. ROOF TRUSS MANUFACTURER SHALL REVIEW THE DRAWINGS AND INDICATE TO THE ARCHITECT, PRIOR TO FABRICATION, ANY CHANGE IN BEARING CONDITION THAT WOULD REQUIRE RE-FRAMING THE STRUCTURE TO ACCOMMODATE THE TRUSSES.
- 12. NAILING SCHEDULE FOR PLYWOOD SHEATHING +/- 10d NAILS AT 6" ON CENTER, AT DIAPHRAGM BOUNDARY AND ALONG END SUPPORTING MEMBERS, 10d NAILS AT 12" ON CENTER ALONG INTERMEDIATE FRAMING MEMBERS.
- 13. MICRO-LAM BEAMS (LVL'S) SHALL BE JOINED TOGETHER SHALL BE PER MANUFACTURER'S SPECIFICATIONS. NO SUBSTITUTIONS SHALL BE ACCEPTABLE WITHOUT PRIOR APPROVAL OF
- 14. INSTALL DOUBLE FLOOR JOISTS UNDER ALL UPPER FLOOR LEVEL PARALLEL PARTITIONS.
- 15. BUILDER SHALL PROVIDE METAL DIAGONAL CORNER AND WIND BRACING AT CORNERS PER CODE 'X' AND 'K' SHAPED BRACING ARE ACCEPTABLE.
- 16. ALL MASONRY VENEER WALLS TO BE PROVIDED WITH WALL TIES AND WEEP HOLES PER CURRENT CODE, AS OUTLINED IN THE 2015 MICHIGAN RESIDENTIAL BUILDING CODE SECTION
- 17. PROVIDE 2X10 DOUBLE HEADER AT ALL INTERIOR DOOR OPENINGS AND 2X10 DOUBLE HEADER AT ALL EXTERIOR DOOR AND WINDOW OPENINGS (UNLESS OTHERWISE SPECIFIED)
- 18. PROVIDE METAL STRAPPED WINDBRACING AT EACH END OF EXTERIOR WALLS (TYPICAL).

CONTACTS

OWNER

EMMANUEL SENIOR LIVING 5589 JOHN R RD. TROY, MI 48085 CONTACT: Teresita Sandoval cell (248) 812-9177

emmanuelseniorliving@gmail.com

3155 W BIG BEAVER RD., STE 108 TROY, MI 48084 CONTACT: George Stroebel office (248) 649-3600 cell (248) 670-2520 george@seboldandkage.com

SEBOLD AND KAGE

GENERAL CONTRACTOR

ARCHITECT OF RECORD DETROIT ARCHITECTURAL GROUP 30445 NORTHWESTERN HWY. SUITE 360 FARMINGTON HILLS, MI 48334 CONTACT: Brandon Kritzman office (248) 583-4990 mobile (313) 690-1299

bkritzman@detroitarch.com

PROPOSED

INDEX OF DRAWINGS

EMMANUEL SENIOR LIVING INTERIOR RENOVATIONS

5589 JOHN R RD. TROY, MI 48085

CODE COMPLIANCE

THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

- 2015 MICHIGAN BUILDING CODE 2015 INTERNATIONAL FIRE CODE
- 2018 MICHIGAN PLUMBING CODE 2015 MICHIGAN MECHANICAL CODE
- 2017 NATIONAL ELECTRIC CODE WITH STATE AMENDMENTS (PART 8) 2015 MICHIGAN ENERGY CODE

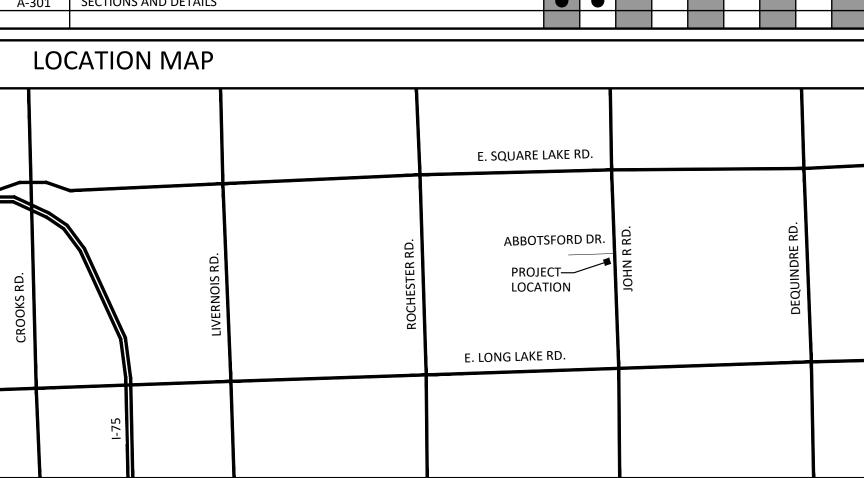
- 2010 NFPA 72 FIRE ALARM

SCOPE OF WORK

2009 ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2010 NFPA 13 FIRE SUPPRESSION

INTERIOR RENOVATION OF EXISTING GARAGE INTO ADDITIONAL BEDROOMS.

SHEET DESCRIPTION T-101 TITLE SHEET - GENERAL PROJECT STANDARDS S-101 DEMOLITION AND FRAMING PLANS A-101 COMPOSITE FLOOR PLAN A-201 EXTERIOR ELEVATIONS A-301 SECTIONS AND DETAILS





Proposed **Interior Renovations**

EMMANUEL SENIOR LIVING

5589 JOHN R RD. TROY, MI 48085

04-11-2024 ISSUED FOR PERMITS 04-02-2024 OWNER REVIEW REV DATE ISSUFD

his drawing is an instrument of service, remains the property of Detroit unless expressly approved.



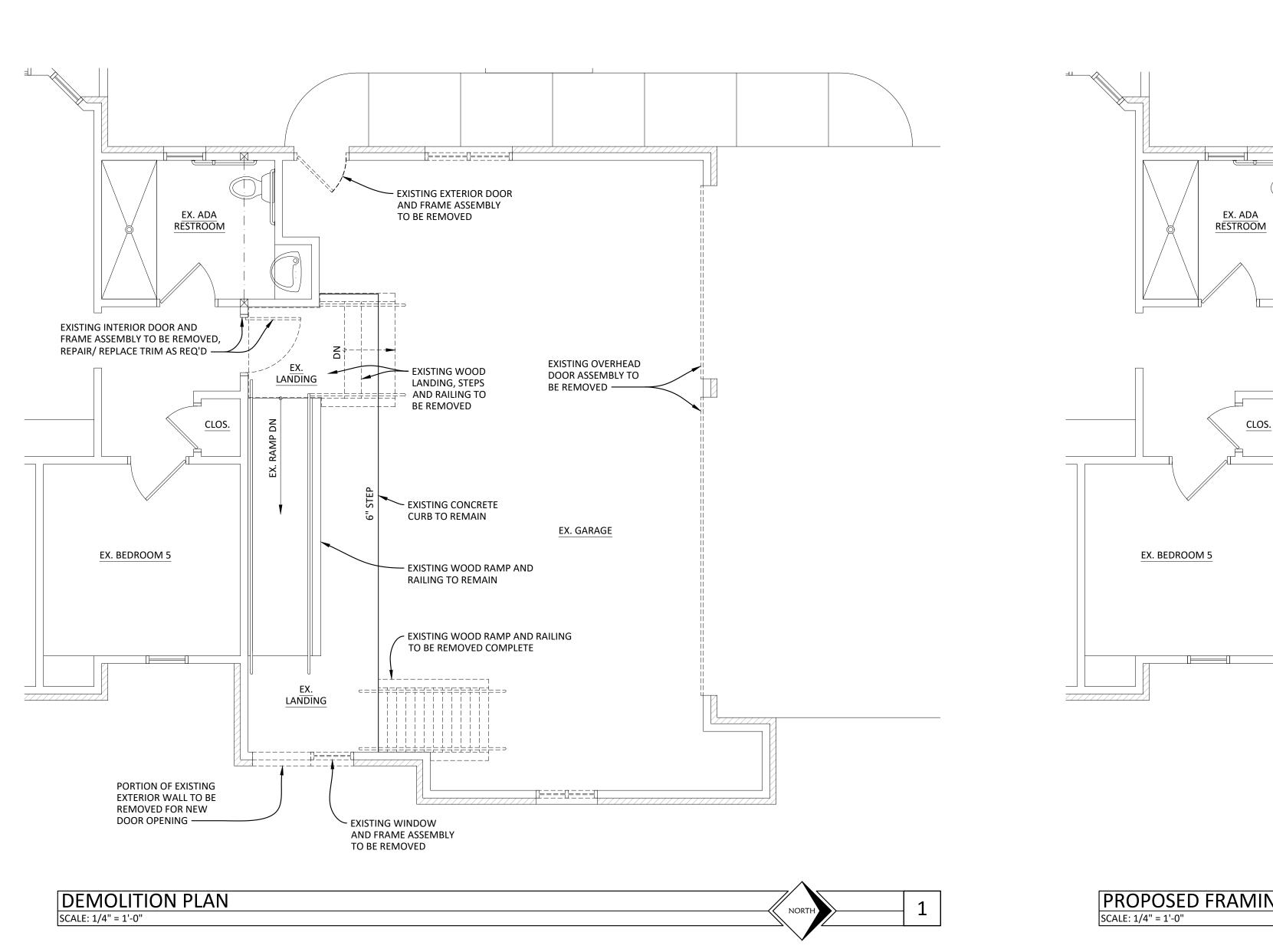
DRAWN BY: MV CHECKED BY: BK IN CHARGE: BK

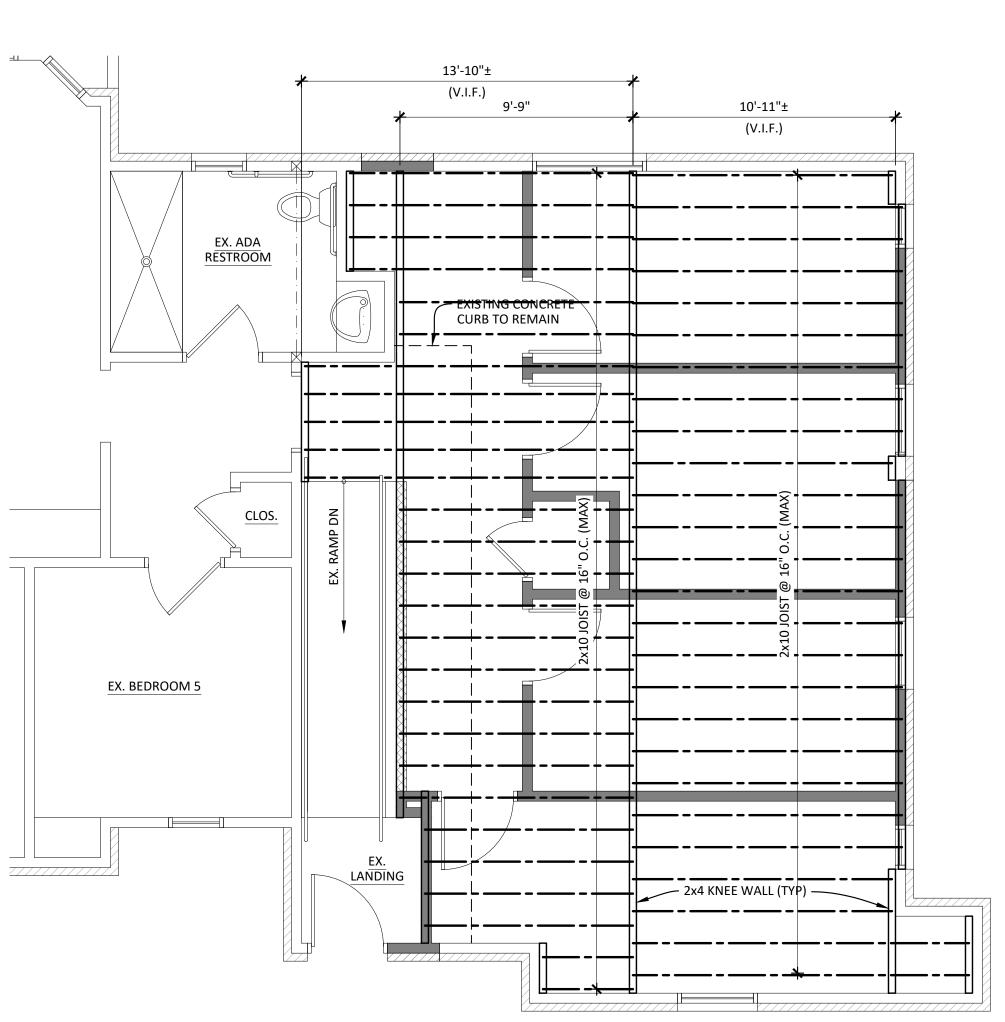
SHEET NAME: **COMPOSITE FLOOR PLANS -EXISTING AND DEMOLITION**

SHEET NO:

24-023

T-101





PROPOSED FRAMING PLAN

SCALE: 1/4" = 1'-0"



Proposed Interior Renovations

EMMANUEL SENIOR LIVING

5589 JOHN R RD. TROY, MI 48085

04-11-2024 ISSUED FOR PERMITS
04-02-2024 OWNER REVIEW
REV DATE ISSUED

This drawing is an instrument of service, remains the property of Detroit Architectural Group, Inc. Any changes, publication, or unauthorized use is prohibunless expressly approved.



DRAWN BY: MV
CHECKED BY: BK

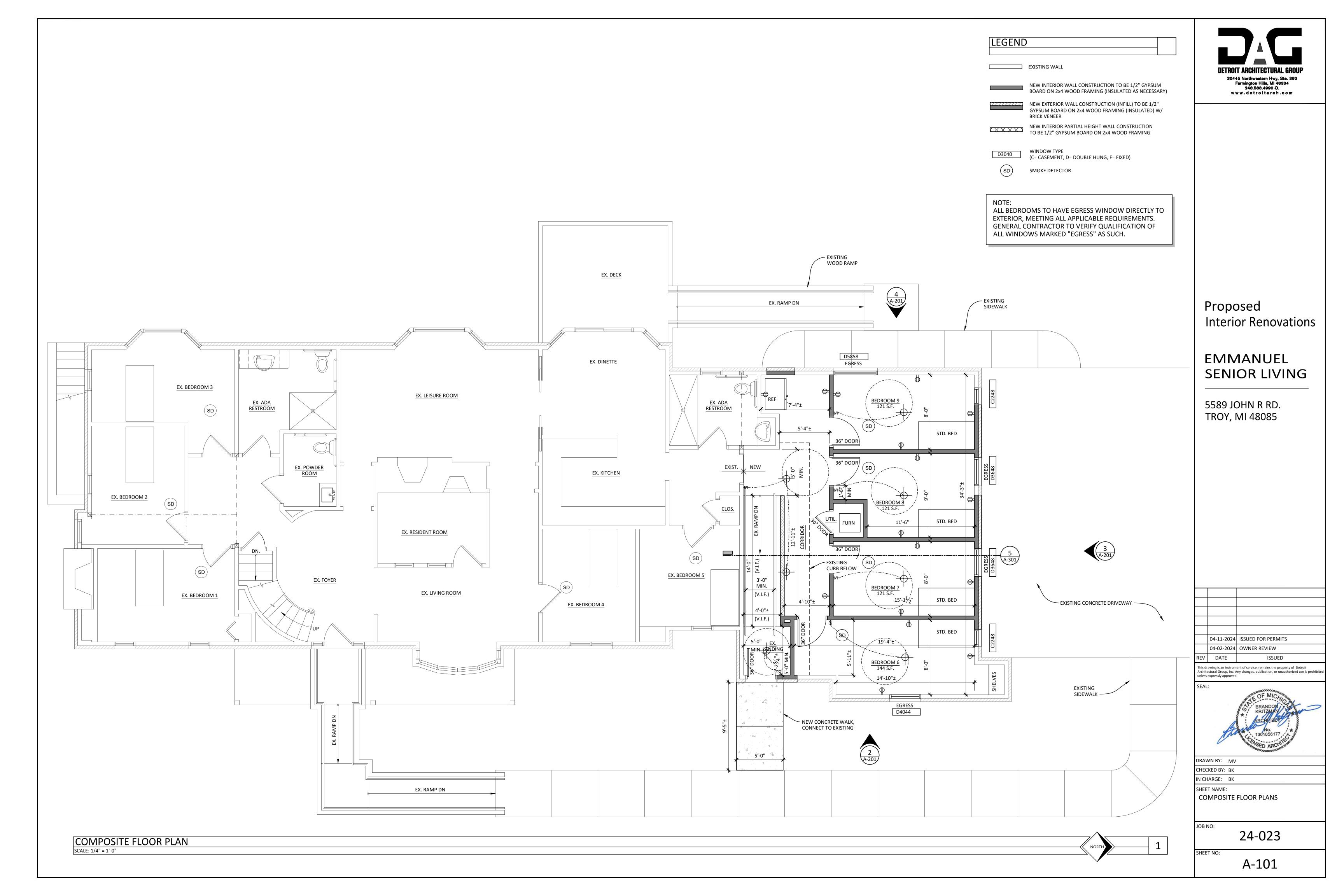
IN CHARGE: BK

SHEET NAME:
DEMOLITION AND FRAMING PLANS

JOB NO: **24-023**

SHEET NO:

S-101

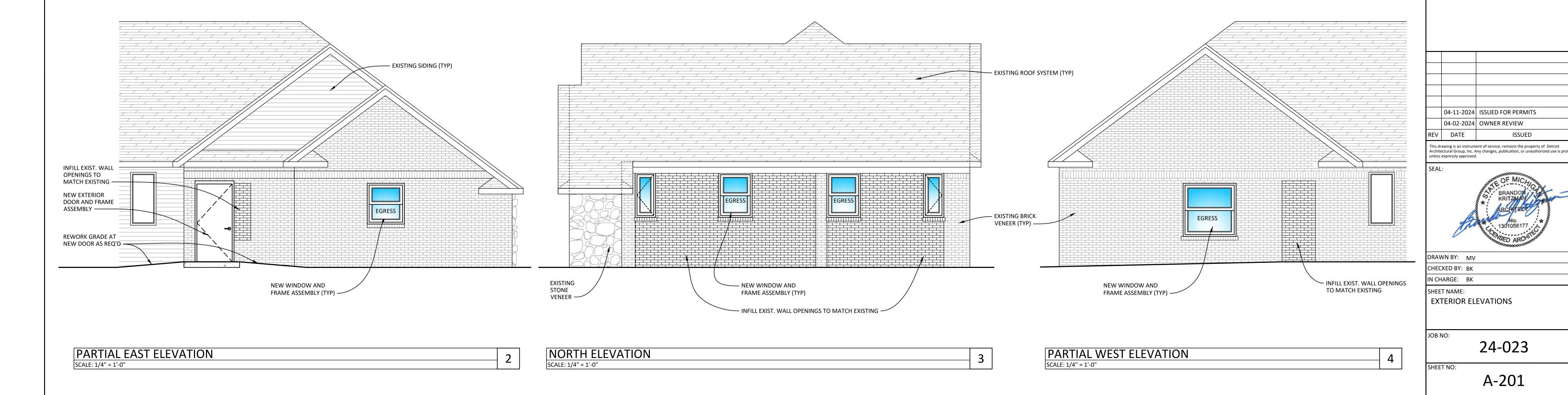


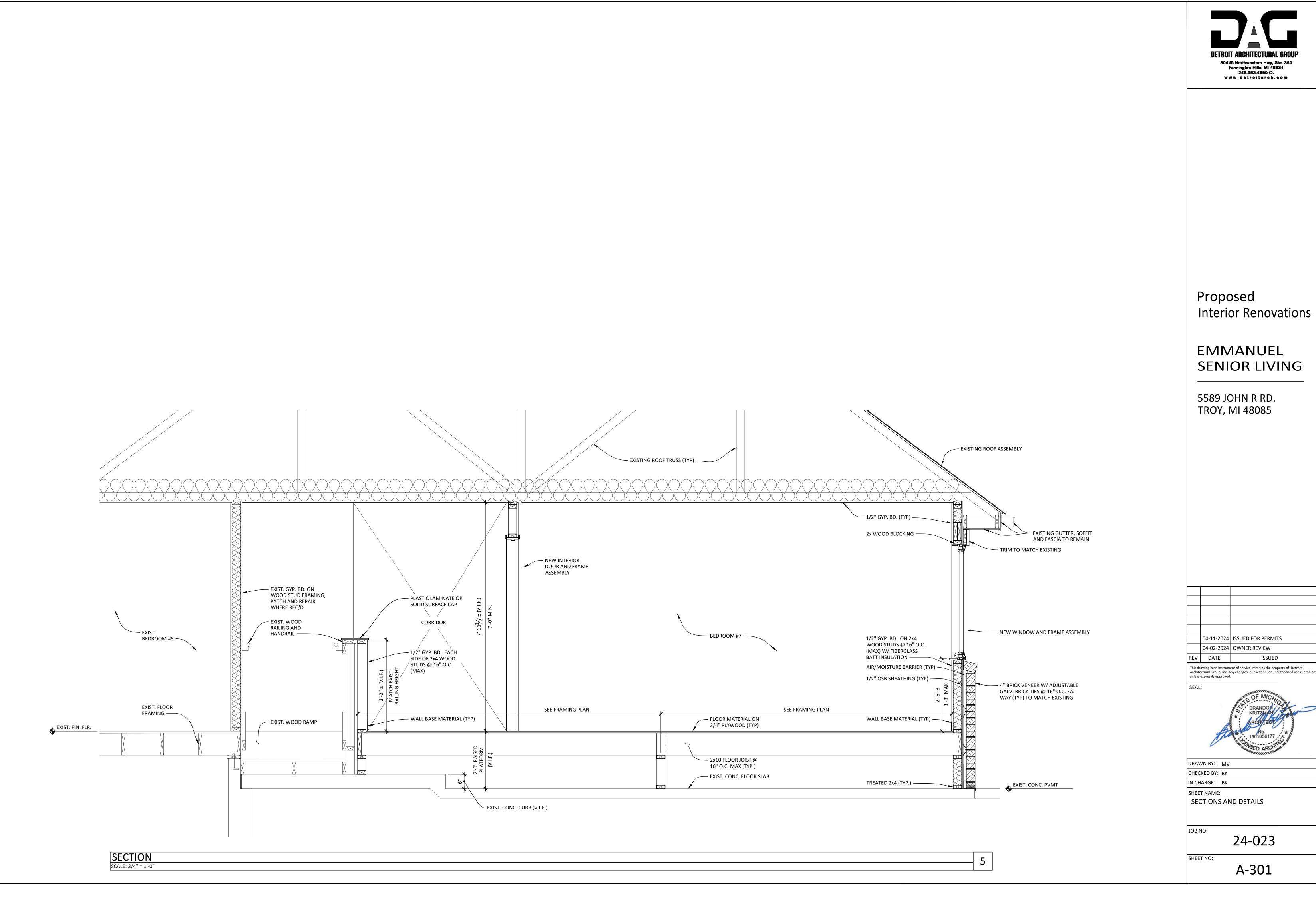


Proposed Interior Renovations

EMMANUEL SENIOR LIVING

5589 JOHN R RD. TROY, MI 48085





June 27th, 2024

To whom it may concern,

It is with great pleasure that I am writing this support letter for Emmanuel Senior Living owned and operated by Teresita Sandoval, whom I have known since 2013 when she opened the facility next to my home.

In the many years that Emmanuel Senior Living has been in operations providing top quality services to Seniors in our Community I've had numerous occasions to observe her great kindness in provide care to her seniors at Emmanuel Senior Living.

I hereby strongly support Emmanuel Senior Living plans to expand and use their garage in order to have more rooms to provide more affordable and top quality housing to Seniors in our Community.

Please feel free to contact Teresita or me for any additional information.

Sincerely,

Daniel Berberich

(248) 219 5195

1914 Abborsford Dr Troy Mi 48085

August 11, 2024

To whom it may concern:

I am pleased to write this letter of support for Emmanuel Senior Living, located at 5589 John R Road in Troy, owned and operated by Teresita Sandoval. I am writing to express my deep support for the expansion of Emmanuel Senior Living to accommodate more senior residents.

My father, Thomas, has been a senior resident at Emmanuel Senior Living since 2018. He has complex health issues requiring diligent attention as well as ongoing collaboration with different doctors and medical professionals, and he has been very well supported at Emmanuel by Teresita and her team of care workers. Teresita and her team are attentive, organized, and thorough, as well as very caring and thoughtful for all the seniors who live there.

I have been extremely grateful for the presence of Emmanuel Senior Living in the Metro Detroit area, as the home offers high-quality care and attention for my father at a rate that is accessible for his income. My father lives on a fixed income and the cost of living has gone up in every facet of our society. The increased cost of living — and of providing and accessing quality senior care — is increasingly difficult to meet. I believe that it is absolutely essential that we find ways to effectively and affordably support and care for the elderly members of our community.

I am deeply appreciative of Teresita's plan to expand Emmanuel Senior Living in order to keep the costs of care for the elderly at a manageable level for all the seniors who live there.

Teresita and her caregiving staff are dedicated to providing very high-quality care and attention for the seniors under their care, and to making a healthy, comfortable, safe, and pleasant living environment for my father and all the seniors. Teresita's facility is an excellent model of what senior care can be, and the expansion of Emmanuel Senior Living will benefit not only seniors and their families, but the broader community in the Metro Detroit area, by continuing to demonstrate that it is possible to offer quality care that seniors can afford.

If you have any questions, I would be pleased to speak further; I can be reached at 734-645-5857 or evarogers@gmail.com.

Sincerely,

Eva Rogers

August 13, 2024

To Whom It May Concern:

I am writing in support of the proposed expansion of Emmanuel Senior Living located on John R Road in Troy, Michigan. This expansion would not only be good for the city, but need for available housing for seniors is at an all time high. Community is one of the core values of the City of Troy, Michigan and this is also about community.

In addition, it takes a special person to care for those most vulnerable in our community and Teresita Sandoval accomplishes this with her tireless efforts and her caring and compassionate heart.

Please let me know if there is any way in which I can provide some additional information or insight.

Sincerely,

Brandon Lewandowski 1166 Fairways Boulevard, Troy, MI 48085 BRLewandowski@gmail.com 248-520-7339 August 8, 2024

To whom it may concern:

I am writing to express my full support for the Emmanuel Senior Living facility located on John R in Troy; owned and operated by Teresita Sandoval, whom I have known since 2022.

I have observed her kindness, professionalism, great service, and dedication she provides to her seniors at Emmanuel Senior Living.

I hereby support the facility's plans to expand and use their garage to accommodate four additional rooms to provide more affordable, high quality and more personalized housing to seniors in our community. This is not only a demonstration to Teresita's commitment to enhance the lives of more seniors but also addresses a growing need within our community.

Sincerely,

Ana Jamil 1933 Oak Forest Dr Troy, MI 48085

Susan Bartram 33762 Colony Park Dríve Farmington Hills, Michigan 48230 (313) 289-1995

August 13, 2024

To Whom It May Concern:

I am writing to support Emmanuel Senior Living, owned and operated by Teresita Sandoval, whom I have known for about 5 years.

In the time that I have known Teresita, I have known her to be kind, compassionate, giving, and resourceful. I am sure that she provides excellent care for those who reside at Emmauel Senior Living.

I strongly support Emmauel Senior Living plans to expand and use the garage in order to have more rooms to provide affordable top-quality housing for Seniors in the community.

Sincerely,

Susan Bartram

To Whom It May Concern,

I am writing to express my wholehearted support for The Emmanuel Senior Living facility and its owner, Ms. Teresa Sandoval. I have had the pleasure of knowing Teresa for 2 years, and I can confidently say that she is one of the most compassionate, dedicated, and professional individuals I have ever met.

The Emmanuel Senior Living facility is not just a place to reside, it is a true home for its residents. Teresa has created an environment where seniors are treated with the utmost respect, care, and dignity. The facility is always maintained to the highest standards, and the staff are not only well-trained but also deeply committed to ensuring the well-being of each resident. The positive and nurturing atmosphere at The Emmanuel Senior Living is a direct reflection of Teresa's values and her unwavering commitment to excellence.

Teresa's plans to expand the facility to accommodate additional residents is a testament to her vision and dedication to providing high-quality care to more seniors in our community. Given the increasing need for reliable and compassionate senior care, I believe this expansion would be an invaluable addition to our area. Teresa's track record of running an outstanding facility speaks for itself, and I have no doubt that these additional residents would receive the same exceptional care and attention that current residents enjoy.

The expansion will undoubtedly benefit our community by providing more seniors with a safe, loving, and professional place to live. I have complete confidence that Teresa will continue to manage the facility with the highest level of integrity and dedication.

Thank you for your time and consideration of this request.

Sincerely,

Aaron Salvador Unzueta Chavez.

2836 Roundtree Dr, Troy MI. 48083

Aug 10th, 2024

To whom it may concern,

RE: Emmanuel Senior Living owned by Teresita Sandoval

In todays world with the increased needs for more senior care, finding quality personal care becomes an even greater concern for many seniors and family members who are considering facilities. I've only known Teresita for a few years, but she is always a warm, genuine and kind human being. Having been to her facility several times you can just see and feel the warmth and caring that she and her staff give her seniors. Her seniors also seem quite content and well taken care of. Even though her facility is not a large capacity facility like many senior care centers, the personal and more one on one care and atmosphere feels very evident.

Teresita is a dedicated to providing the best care possible to her seniors, I'm sure that the expansion she is planning will also be carried through with the same professionalism and kindness she is currently providing. More families would be at ease knowing there loved ones are well taken care of.

Sincerely,

Ray Juhl

6025 Walker Drive

Troy, Michigan 48085

From: BILL GERAZOUNIS

To: Jackie Ferencz

Subject: Emmanuel senior living expansion **Date:** Wednesday, August 7, 2024 9:38:01 PM

[You don't often get email from vasilig@sbcglobal.net. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello,

Just wanted to reach out and let you know, I fully support the expansion, and have known Teresita Sandoval for quite some time now..and she is a very kind, honest, and good person with great intentions. Hope you can give her the support she needs!

Sent from my iPhone

From: <u>Josephine Dries</u>
To: <u>Jackie Ferencz</u>

Subject: support for Emmanuel Senior Living expansion

Date: Monday, August 12, 2024 9:10:41 AM

You don't often get email from jojo@jojodries.com. Learn why this is important

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern:

I hope this letter finds you well. I am writing to express my full support for the proposed expansion of the Emmanuel Senior Living facility located on John R in Troy. Having known the owner, Teresita Sandoval, for an extended period, I can personally vouch for her exceptional professionalism and her unwavering dedication to the well-being of the residents under her care.

The planned expansion of Emmanuel Senior Living is set to accommodate four additional residents. This development is not only a testament to Teresita's commitment to enhancing the lives of more seniors but also addresses a growing need within our community for specialized senior care services. In these times, when the demand for such care is increasing sharply, it becomes crucial to back facilities that consistently demonstrate outstanding service and wholehearted dedication.

As a reputable and efficiently managed senior home, Emmanuel Senior Living has earned my complete trust in its endeavors for expansion. I am confident that this step will significantly contribute to the betterment of our community by enriching the lives of its senior members.

Should you have any questions, or if there are any concerns I can help address, please do not hesitate to contact me.

Warm regards,
JoJo Dries
Founder, On The Wings of Angels
Jojo@jojodries.com
734-385-6170

From: Arshad Suri
To: Jackie Ferencz

Subject: Emmanuel Senior Living facility

Date: Monday, August 12, 2024 2:09:06 PM

You don't often get email from arshad.suri@yahoo.com. Learn why this is important

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern

I hope this letter finds you well. I am writing to express my full support for the proposed expansion of the Emmanuel Senior Living facility located on John R in Troy. Having known the owner, Teresita Sandoval, for an extended period, I can personally vouch for her exceptional professionalism and her unwavering dedication to the well-being of the residents under her care.

The planned expansion of Emmanuel Senior Living is set to accommodate four additional residents. This development is not only a testament to Teresita's commitment to enhancing the lives of more seniors but also addresses a growing need within our community for specialized senior care services. In these times, when the demand for such care is increasing sharply, it becomes crucial to back facilities that consistently demonstrate outstanding service and wholehearted dedication.

As a reputable and efficiently managed senior home, Emmanuel Senior Living has earned my complete trust in its endeavors for expansion. I am confident that this step will significantly contribute to the betterment of our community by enriching the lives of its senior members.

Should you have any questions, or if there are any concerns I can help address, please do not hesitate to contact me.

Warm regards

Arshad Suri

From: <u>Kathleen Rogers</u>
To: <u>Jackie Ferencz</u>

Subject: Request for Expansion of Emmanuel Senior Living

Date: Saturday, August 10, 2024 11:22:25 AM

You don't often get email from kmrogers210@gmail.com. Learn why this is important

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To Whom It May Concern:

It is an honor to have been asked to provide this letter of support for the proposed expansion of the Emmanuel Senior Living facility located at 5589 John R. Road, Troy, Michigan.

I have had the pleasure of knowing Teresita Sandoval since 2018, when my niece and I were seeking a care facility for my brother following his stroke. Sadly, my brother could no longer live alone and required assistance with his medication and many activities of daily living.

The care my brother has received by Ms. Sandoval and her staff has a been exceptional. She cares for each of her residents as if they were her own family member. Additionally, she has the gift of recruiting caregivers who are equally kind and attentive to the residents' needs. Ms. Sandoval's desire to expand her facility to accommodate an additional four residents is commendable, and will respond to the desperate need in our community for quality health care for seniors.

I wholeheartedly support Ms. Sandoval's proposed expansion and have the utmost confidence in her ability to assume this additional responsibility with her usual professionalism and grace.

If you any further questions, please do not hesitate to contact me directly. I can be reached by cell at (248) 909-9144 or via email at kmrogers210@gmail.com.

Sincerely,

Kathleen Rogers 210 Potawatomi Blvd. Royal Oak, MI 48073 From: Sherry Price
To: Jackie Ferencz

Subject: Emmanuel Senior Living

Date: Monday, August 19, 2024 6:55:11 AM

[You don't often get email from priceparty@aol.com. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Jackie, I'm sorry this is a few days late in writing to you however I wanted to share my thoughts on Emmanuel Senior Living. I live just south of their home on John R Road & I (along many other neighbors in our Laurelwood subdivision) would totally welcome the expansion of their facility! The property is beautiful & always kept neat & clean. It offers beautiful views for the people that live there to enjoy outdoor activities.

Terri, her sister Abby & Sorayas are the kindest people & most loving caregivers that I have ever met! We had the pleasure of working with them briefly & would consider them an asset to our community! Troy could definitely benefit from the TLC in which ESL so proudly offers in their business!

The community is in need of more senior living spaces such as this & I would highly recommend the expansion of their garage to accommodate 4 more beds.

Feel free to reach out to me with any questions you may have!

Sincerely, Sherry Price

5261 Westmoreland Dr Troy, MI 48085

248-941-3088

Hidden Harbors Centers

Brian DiBartolomeo

President

31601 Harper Avenue St. Clair Shores, MI 48082 (248) 289-0803 brian@hiddenharbors.com

Planning Department

City of Troy 500 W. Big Beaver Road Troy, MI 48084 (248) 524-3364 jackie.ferencz@troymi.gov

August 1, 2024

To Whom It May Concern,

I hope this letter finds you well. I am writing to express my full support for the proposed expansion of the Emmanuel Senior Living facility located on John R in Troy. Having known the owner, Teresita Sandoval, for an extended period, I can personally vouch for her exceptional professionalism and her unwavering dedication to the well-being of the residents under her care.

The planned expansion of Emmanuel Senior Living is set to accommodate four additional residents. This development is not only a testament to Teresita's commitment to enhancing the lives of more seniors but also addresses a growing need within our community for specialized senior care services. In these times, when the demand for such care is increasing sharply, it becomes crucial to back facilities that consistently demonstrate outstanding service and wholehearted dedication.

As a reputable and efficiently managed senior home, Emmanuel Senior Living has earned my complete trust in its endeavors for expansion. I am confident that this step will significantly contribute to the betterment of our community by enriching the lives of its senior members.

Should you have any questions, or if there are any concerns I can help address, please do not hesitate to contact me.

Warm regards,

Brian DiBartolomeo



To whom it may concern

I hope this letter finds you well. I am writing to express my full support for the proposed expansion of the Emmanuel Senior Living facility located on 5589 John R in Troy. Having known the owner, Teresita Sandoval, for an extended period, I can personally attest for her exceptional professionalism and her dedication to the well-being of the Senior Citizens under her care. Mrs Sandoval has consistently demonstrate outstanding service and wholehearted dedication.

The planned expansion of Emmanuel Senior Living is set to accommodate four additional residents. This development is not only a testament to Teresita's commitment to enhancing the lives of more seniors in our community but also addresses a need within our community for specialized senior care services.

In these times, when the demand for such care is increasing sharply, it becomes crucial to back facilities that.

As a reputable and efficiently managed senior home, always kept nice and clean; Emmanuel Senior Living has earned my complete trust in its endeavors for expansion. I am confident that this step will significantly contribute to the betterment of our community by enriching the lives of its senior members.

Should you have any questions, or if there are any concerns I can help address, please do not hesitate to contact me.

Warm regards,

Oracio Gonzalez 586 515 9062

ITEM #6

DATE: November 7, 2024

TO: Planning Commission

FROM: R. Brent Savidant, Community Development Director

SUBJECT: SPECIAL USE APPROVAL AND PRELIMINARY SITE PLAN REVIEW (SU

JPLN2024-0007) - Proposed El Car Wash, Northwest corner of Long Lake and

Dequindre (2955 & 2995 E Long Lake), Section 12, Currently zoned NN

(Neighborhood Node "J") Zoning District.

The petitioner Alrig USA submitted the above referenced Special Use Approval and Preliminary Site Plan Approval application for a proposed El Car Wash with a second-floor office space. Vehicle washes are permitted in the NN district, subject to special use approval.

The Planning Commission held a public hearing for this item on October 22, 2024 and postponed the item at the request of the applicant due to lack of a full board (minutes attached).

The attached report prepared by Carlisle/Wortman Associates, Inc. (CWA), the City's Planning Consultant, summarizes the application. CWA prepared the report with input from various City departments including Planning, Engineering, Public Works and Fire. City Management supports the findings of fact contained in the report and recommends approval of the project, as noted.

Attachments:

- 1. Maps
- 2. Report prepared by Carlisle/Wortman Associates, Inc.
- 3. Minutes from October 22, 2024 Planning Commission meeting (excerpt)
- 4. Special Use/Preliminary Site Plan application
- 5. Public comment

PROPOSED RESOLUTION

<u>SPECIAL USE APPROVAL AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-0007)</u> – Proposed El CarWash, Northwest corner of Long Lake and Dequindre (2955 & 2995 E Long Lake), Section 12, Currently zoned NN (Neighborhood Node "J") Zoning District.

Resolution # PC-2024-11-

Moved by: Seconded by:

RESOLVED, That Special Use Approval and Preliminary Site Plan Approval for the proposed El Car Wash, Northwest corner of Long Lake and Dequindre (2955 and 2995 East Long Lake), Section 12, Currently Zoned NN (Neighborhood Node "J") District, be (granted, subject to the following conditions):

) or
(denied, for the following reasons:) or
(postponed, for the following reasons:)
Yes: No:	
Absent:	

MOTION CARRIED / FAILED



GIS Online





Print Date: 10/14/2024



Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.



GIS Online





Print Date: 10/14/2024



Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.



117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date: April 25, 2024 June 19, 2024 August 27, 2024 September 13, 2024 November 5, 2024

Special Use and Preliminary Site Plan For City of Troy, Michigan

Applicant: Samantha Burgner, Alrig USA

Project Name: EL Carwash

Location: 2955 & 2995 E Long Lake Road

Plan Date: October 29, 2024

Zoning: NN, Neighborhood Nodes ("J")

Action Requested: Special Use and Preliminary Site Plan Approval

SITE DESCRIPTION

An application has been submitted to construct a two-story building at the corner of Long Lake and Dequindre. The applicant intends to remove an existing restaurant and redevelop the 1.5-acre site with a new 6,000 square foot building. The two-story building features an auto wash on the first floor and a small office space on the second floor. Other site features include twenty-five (25) covered vacuum spaces and a public seating area in the southeast corner. Several sustainable design features are incorporated throughout the site, such as permeable pavers, solar panels, recycled water, and environmentally safe detergents.

The site includes two (2) parcels, each zoned NN-Neighborhood Nodes, Site Type A. Under the existing zoning, office space is permitted by right and auto washes require Special Use Approval.

Site Location:



<u>Proposed Use of Subject Parcel:</u>

Two-story 5,000 square foot building, with an auto wash on the first floor and office space on the second floor.

Current Zoning:

The property is currently zoned NN, Neighborhood Nodes (J) Form Based District, Site Type A.

Surrounding Property Details:

Direction	Zoning	Use
North	NN, Neighborhood Nodes (J)	Dental/Medical Offices
South	NN, Neighborhood Nodes (J)	Shell Gas Station
East	City of Sterling Heights	Comerica Bank
West	NN, Neighborhood Nodes (J)	Arby's

NATURAL FEATURES

Topography/Wetlands/Drain: The subject site is not located in a floodplain and contains no wetlands. Most of the site has already been graded for previous development.

Woodlands: A tree inventory provided by the applicant identifies six (6) existing trees on site. Of these, three (3) trees will remain and three (3) trees will be removed. None of the trees on site were found to be Landmark or Woodland, and therefore no tree replacement is required.

Replacement Details					
Protected Tree Inches Removed Replacement Require					
Landmark	0 inches	0 inches			
Woodland	0 inches	0 inches			
Preservation/Mitigation	Inches Preserved	Credit			
Landmark	0 inches	0 inches			
Woodland	0 inches	0 inches			
Total	Zero (0) inches required for replacement.				

Items to be Addressed: None.

PREVIOUS PLANNING COMMISSION DISCUSSION

The application was discussed at the October 22nd Planning Commission meeting. There was discussion on:

- Second floor office space.
 - o Prominence of entrance.
 - o Pedestrian access.
 - Accessible parking spaces.
 - Violation of Zoning Ordinance should there be an affiliation of office use to the car wash use.
 - Signage to promote non-profit organization tenants.
- Feasibility study / market for a car wash.
- Two communications received by residents expressing concern with traffic impact.
- Gateway signage; Welcome to Troy sign/logo.
- Architectural building materials and color scheme.
- Compatibility of car wash use in the NN (Neighborhood Node) zoning district.
- Consideration by applicant to engage additional mixed uses to the site.

CHANGES SINCE PLANNING COMMISSION DISCUSSION

The applicant has made the following changes to the plan set since the last Planning Commission review:

- 1. Reallocated second floor parking adjacent to building. Office users do not have to cross vacuum spaces to enter building.
- 2. Shorten curb line adjacent to the stacking area to allow for easier turns into the stacking area off E. Long Lake.
- 3. Added the following additional design features at the hard corner of Dequindre and E. Long Lake:
 - a. Significantly extended/enlarged paved area along both Dequindre and E. Long Lake
 - b. Benches
 - c. Bike repair station
 - d. Seasonal outdoor kitchen/bar

In their narrative the applicant notes a replacement of EIFs with brick. However, the elevations still appear to have a significant amount of EIFs.

Please see our September 13, 2024 Memo for a detailed discussion of the application.

COLORED RENDERINGS

South/West Building Facades



South/East Building Facades



Aerial View (from southwest perspective)



SPECIAL USE APPROVAL STANDARDS

Table 5.06.C-1 illustrates that auto/transportation uses are considered a special use for Neighborhood Nodes Site Type NN:A.

For any special use, according to Section 9.02.D, the Planning Commission shall "…review the request, supplementary materials either in support or opposition thereto, as well as the Planning Department's report, at a Public Hearing established for that purpose, and shall either grant or deny the request, table action on the request, or grant the request subject to specific conditions." Section 9.03 states that before approving any requests for Special Use Approval, the Planning Commission shall consider:

- 1. Compatibility with Adjacent Uses.
- 2. Compatibility with the Master Plan.
- 3. Traffic Impact.
- 4. Impact on Public Services.
- 5. Compliance with Zoning Ordinance Standards.
- 6. Impact on the Overall Environment. The proposed Special Use shall no
- 7. Special Use Approval Specific Requirements.

DESIGN STANDARDS AND SITE PLAN REVIEW STANDARDS

Section 8.06 outlines Site Plan Review Design Standards.

- 1. Development shall ensure compatibility with existing commercial districts and provide a transition between land uses.
 - a. Building design shall enhance the character of the surrounding area in relation to building and parking placement, landscape and streetscape features, and architectural design.
 - b. Street fronts shall provide a variety of architectural expression that is appropriate in its context and prevents monotony.
 - c. Building design shall achieve a compatible transition between areas with different height, massing, scale, and architectural style.
- Development shall incorporate the recognized best architectural building design practices.
 - a. Foster a lasting impact on the community through the provision of high quality design, construction, and detailing.
 - b. Provide high quality, durable materials, such as but not limited to stone, brick, glass, and metal. E.I.F.S. or material equivalent shall only be used as an accent material.
 - c. Develop buildings with creativity that includes balanced compositions and forms.

- d. Design roofs that are appropriate to the architectural style of the building and create an appropriate visual exterior mass of the building given the context of the site.
- e. For commercial buildings, incorporate clearly defined, highly visible customer entrances using features such as canopies, porticos, arcades, arches, wing walls, ground plane elements, and/or landscape planters.
- f. Include community amenities that add value to the development such as patio/ seating areas, water features, art work or sculpture, clock towers, pedestrian plazas with park benches or other features located in areas accessible to the public.
- 3. Enhance the character, environment and safety for pedestrians and motorists.
 - a. Provide elements that define the street and the pedestrian realm.
 - b. Create a connection between the public right of way and ground floor activities.
 - c. Create a safe environment by employing design features to reduce vehicular and pedestrian conflict, while not sacrificing design excellence.
 - d. Enhance the pedestrian realm by framing the sidewalk area with trees, awnings, and other features.
 - e. Improve safety for pedestrians through site design measures.

SUMMARY

We recommend that the Planning Commission discuss the following:

- 1. Does the application comply with Section 9.02.D Special Use Standards?
- 2. Does the application comply with Section 8.06 Site Plan Review Design Standards?
- 3. Evaluation of documented evidence of excess parking/vacuums.
- 4. Use of EIFs.

Respectfully,

CARLISLE/WORTMAN ASSOC., INC. Benjamin R. Carlisle, AICP, LEED AP

President

CARLISLE/WORTMAN ASSOC., INC.

Shana Kot

Community Planner

6. PUBLIC HEARING – SPECIAL USE APPROVAL AND PRELIMINARY SITE PLAN REVIEW (SU JPLN2024-0007) – Proposed El Car Wash, Northwest corner of Long Lake and Dequindre (2955 and 2995 E Long Lake), Section 12, Currently Zoned NN (Neighborhood Node "J") Zoning District

Mr. Carlisle reviewed the Special Use Approval and Preliminary Site Plan application for the El Car Wash. He said the Planning Commission has the authority to grant relief from the build-to-line requirements on both E Long Lake and Dequindre as they relate to the proposed mixed use, two-story building. Mr. Carlisle addressed the use and function of the second floor office space and emphasized its use must not have any affiliation with the car wash use. He suggested discussing with the applicant the excess number of parking spaces and the number of stacking and vacuum spaces in relation to the Fleis & VandenBrink traffic study.

Mr. Carlisle addressed architectural elevations and building materials, alternatives to seek relief of transparency requirements and pedestrian access to the second floor office use. He addressed Zoning Ordinance Section 5.04.E Big Beaver District Design Standards, Section 8.06 Site Plan Review Design Standards and Section 9.03 Special Use Approval Standards.

Mr. Savidant shared a video presentation prepared by the applicant.

Present were Gabriel Schuchman and Eric Harrison of El Car Wash, Mitchell Harvey of Stonefield Engineering & Design, Eric Meyers of Krieger Klatt Architects, and Julie Kroll of Fleis & VandenBrink.

Mr. Schuchman shared the history of the El Car Wash, its locations in Florida and their up and coming locations throughout Michigan. He addressed their community foundations and local sponsorships. Mr. Schuchman said the second floor of the car wash would be used by local non-profit organizations. He confirmed two interested tenants are *The Rainbow Connection* and *Jenna Kast Believe in Miracles Foundation*.

Ingrid Todt, Executive Director of *The Rainbow Connection*, said their foundation is proud to be a part of the start-up project of the El Car Wash and local communities. She said the office space would be used for their staff and client meetings.

Ms. Kroll said additional traffic from the proposed car wash would be negligible. She said traffic to and from a car wash is considered as pass-by trips. Ms. Kroll said the generation of traffic is not adding to the traffic but only adding to the turning movements at the driveway, redistributing the traffic to the use.

Mr. Harvey addressed the internal and external site circulation, noting they would be working with the RCOC (Road Commission of Oakland County) for designated turn lanes.

Mr. Meyers addressed the architectural design features and color scheme.

There was discussion on:

Second floor office space.

- Prominence of entrance.
- Pedestrian access.
- Accessible parking spaces.
- Violation of Zoning Ordinance should there be an affiliation of office use to the car wash use.
- Signage to promote non-profit organization tenants.
- Feasibility study / market for a car wash.
- Two communications received by residents expressing concern with traffic impact.
- Gateway signage; Welcome to Troy sign/logo.
- Architectural building materials and color scheme.
- Compatibility of car wash use in the NN (Neighborhood Node) zoning district.
- Consideration by applicant to engage additional mixed uses to the site.

PUBLIC HEARING OPENED

Jennifer Brady, 5074 Fedora Drive; spoke in support of the project.

PUBLIC HEARING CLOSED

Mr. Schuchman asked to postpone the item to a future meeting for consideration by a full Board.

Resolution # PC-2024-10-064

Moved by: Buechner

Seconded by: Fox

RESOLVED, To postpone Special Use Approval and Preliminary Site Plan Approval for the proposed El Car Wash, Northwest corner of Long Lake and Dequindre (2955 and 2995 E Long Lake), Section 12, Currently Zoned NN (Neighborhood Node "J") District, to a future date for consideration by a full Board.

Yes: All present (6)

Absent: Faison, Malalahalli, Tagle

MOTION CARRIED

CARSON FISCHER, P.L.C.

ROBERT M. CARSON
ROBERT A. WEISBERG
JEFFREY B. SCHLUSSEL
CHRISTOPHER A. GROSMAN
DAVID E. SCHLACKMAN

4111 ANDOVER ROAD WEST-SECOND FLOOR BLOOMFIELD HILLS, MICHIGAN 48302-1924 OF COUNSEL
AMY CARSON SCHLUSSEL
TELEPHONE
(248) 644-4840
FACSIMILE
(248) 644-1832

October 29, 2024

VIA Email

City of Troy Planning Department 500 West Big Beaver Road Troy, Michigan 48084

Attn: Brent Savidant, Community Development Director

Re: Proposed Auto Wash to be located at 2955 & 2995 East Long Lake Road, Troy, Michigan (the Property")

Dear Brent,

As you know, our office is counsel to El Car Wash ("Applicant"). This letter is being sent to supplement Applicant's September 11, 2024 correspondence and to further address comments and concerns raised at the City's October 22, 2024 Planning Commission meeting where consideration of Applicant's application was postponed to a future date.

Based on the suggestions and comments of the Planning Commission members, Applicant is pleased to re-submit a revised Site Development Plan dated October 29, 2024 prepared by Stonefield Engineering & Design (the "Site Plan) with the following material modifications:

- 1. The required parking for the non-related second-floor office has been relocated to an area immediately adjacent to the separate entryway for this office space and the ADA spaces were relocated closer to the entryway
- 2. As a result of the office parking relocation, the vacuum spaces have replaced the previous office parking spaces.
- 3. In order to further enhance the inter-pedestrian connections and communal gathering space, additional benches have been added to the southeast corner of the Property, along with a bike-repair station and an

City of Troy Planning Department October 29, 2024 Page 2 of 4

area designated for the periodic use of an outdoor kitchen/bar for special communal events and occasions.

- 4. The western drive isle was angled to provide more of a turning radius into the stacking lane along with a yield sign added at the left turn into the stacking lane off Dequindre Rd.
- 5. Architecturally, Applicant has replaced the building's primary exterior material from EFIS to a more attractive and appealing brick. Additionally, as you will note, there is additional proposed signage for the second-floor space and a high-quality canopy over the second-floor entrance to further "activate" the entrance and provide easier identification for its employees and guests.

Because this mixed-use project includes an auto wash, it must meet the special use standards set forth in Section 9.03 of the City's Zoning Ordinance. More specifically, as related to each of the following criteria to be evaluated by the Planning Commission:

- 1. **Compatibility with Adjacent Uses**. The proposed mixed uses are intended to complement the neighboring retail and service establishments. Applicant intends to have a local non-profit lease or license the second-floor office space. The auto wash portion of the project is a much-needed amenity for this part of the City that does not have a car wash in close proximity. Additionally, this mixed-use project will enhance, benefit and compliment the surrounding commercial establishments There is a drive-thru fast-food restaurant to the immediate west of the Property, a medical-services building to the immediate north, and a second fast food restaurant north of that. To the south, across Long Lake Road, is an automobile service and fueling station, with a drug store immediately adjacent to it. East of Dequindre, in Sterling Heights, is a large retail strip center containing various commercial establishments with two separate banking outparcels. An approximately Ten Million Dollar (\$10,000,000) investment in a new state of the art car wash will not unreasonably detract from or reduce the economic viability of any other uses within its vicinity, and in all likelihood, will generate additional investment in this Neighborhood Node and provide an economic boost to its neighbors and the surrounding area.
- 2. **Compatibility with the Master Plan**. Troy's Master Plan designates the Property and surrounding properties as a "Neighborhood Node" to serve as a

City of Troy Planning Department October 29, 2024 Page 3 of 4

> "go to" place to meet the basic needs of the community and to "play a critical role in the daily function, image, and quality of life and continued viability of the City." The Neighborhood Node should be "where commercial, office, and mixed use development occurs." This particular Neighborhood Node (Node "G"), designated under the Ordinance as a Site Type NN:A. Accordingly, within this mixed-use project that includes a first-floor auto wash with a separate dedicated non-related second floor office with the intention to lease it to a charitable organization whose focus is improving the lives of those in need embodies the stated desired goal for this particular node to be "[p]redominantly commercial, cater to both local needs and regional traffic, [with] new development and redevelopment should be mostly commercial, identifying opportunities for small office and mixed-use." Applicant has worked with the City for over a year to present a Site Plan that attempts to bring this vision to fruition. "Auto Uses," in this specific Site Type, are deemed a special use. According to data compiled by the US Census Bureau, each household in the City has an average of two cars. With a paucity of car washes in this portion of the City, the proposed development will provide a much needed service and amenity for the residents of this specific Neighborhood Node and those commuters traversing the arterial roads.

- 3. Traffic Impact. As noted above and in the Site Plan, the design of the proposed car wash attempts to minimize the negligible impact on traffic it may cause. The Site Plan was designed to account for traffic circulation. From the long access drive, the three stacking lanes, and with the ingress/egress to the Property intentionally located at the furthest points from the intersection, Applicant has gone to great lengths to address any concerns related to traffic. Applicant's traffic study from Fleis & Vandenbrick confirms that the car wash will not materially increase car volumes on the arterial roads or create any vehicular traffic congestion.
- 4. **Impact on Public Services**. Based on preliminary investigations, Applicant believes all water, sewer and related utilities are available at the Property or the lot line and are adequate for Applicant's proposed car wash facility and office space. Applicant's proposed water reclamation system will minimize the amount of used water going into the City's storm drainage system.
- 5. **Compliance with Zoning Ordinance Standards**. The proposed car wash will not create any additional burden to the municipality or its resources. It is not

City of Troy Planning Department October 29, 2024 Page 4 of 4

anticipated that there will be an additional need for public safety, public works or other municipal services. The re-development of the Property, and the ability to provide a needed amenity to this area of the City, will be a benefit to the City's residents and the overall economic welfare of the City.

- 6. Impact on the Overall Environment. The redevelopment of the Property can potentially serve as a catalyst for the redevelopment of this particular Neighborhood Node as envisioned by the City's Master Plan. The design and features of the El Car Wash will vastly improve the current vacant land and neglected, dated building currently on the Property. El Car Wash's commitment to the environment is evidenced by its investment in the latest technologies and innovations to conserve and reclaim water, its use of only biodegradable chemicals, and its removal of most waste solids from the limited amounts that are discharged into the sanitary sewer system.
- 7. **Special Use Approval Specific Requirements**. As detailed on the Site Plan, the proposed car wash satisfies all specific requirements of the City's Zoning Ordinance as it relates the Property or the operation of a car wash thereon.

Applicant looks forward to presenting the further revised Site Plan that incorporates many of the Planning Commission's prior comments and suggestions. Thank you for your attention to this matter and please feel free to contact me with any questions or concerns.

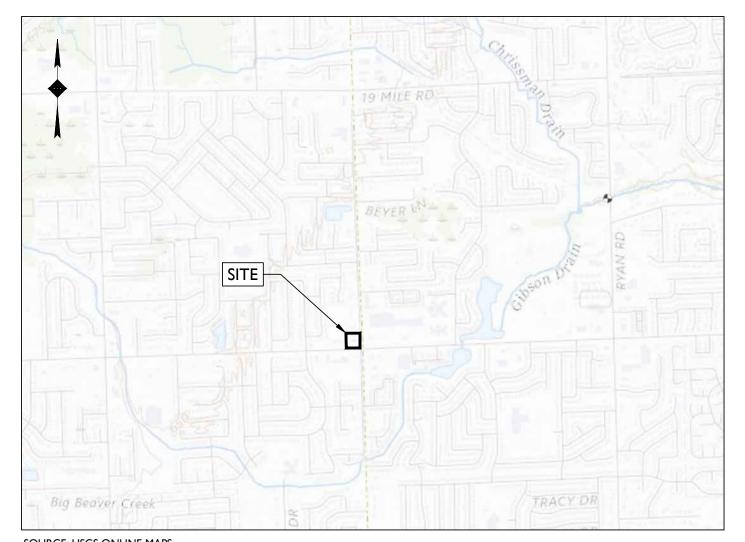
Very Truly Yours,

Carson Fischer PLC

Jeffrey B. Schlussel

cc: Client (w/o enc.)

Stonefield Engineering & Design (w/o enc.)



LOCATION MAP

SCALE: $I'' = 2,000' \pm$

SOURCE: GOOGLE EARTH PRO

SITE DEVELOPMENT PLANS **FOR**

EL CARWASH - E. LONG LAKE

PROPOSED AUTO WASH & OFFICE SPACE

PARCEL ID: 20-12-479-045 & 20-12-476-049 2955 & 2995 EAST LONG LAKE ROAD CITY OF TROY, OAKLAND COUNTY, MI 48085





SITE **EAST LONG LAKE ZONE ZONE**

SCALE: I" = 150'±

ZONING MAP

ZONE

PROJECT

AERIAL MAP

SCALE: I" = 150'±

PLANS PREPARED BY:





SOURCE: CITY OF TROY ZONING MAP

Birmingham, MI · New York, NY · Salem, MA Princeton, NJ · Tampa, FL · Rutherford, NJ www.stonefieldeng.com

555 S. Old Woodward Avenue, Suite 12L, Birmingham, MI 48009 Phone 248.247.1115

PLAN REFERENCE MATERIALS:

- I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO: ALTA/NSPS TOPOGRAPHIC SURVEY PREPARED BY KEM-TEC A GROUP OF COMPANIES, DATED: 09-27-2023;
 - **UPDATED 05-03-2024** ARCHITECTURAL PLANS PREPARED BY KREIGER KLATT ARCHITECTS, DATED: 01-19-2024; UPDATED 05-23-2024
 - **GEOTECHNICAL REPORT** AERIAL MAP OBTAINED FROM GOOGLE EARTH PRO
- LOCATION MAP OBTAINED FROM USGS ONLINE MAPS 2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO

THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT

SHEET INDEX			
DRAWING TITLE	SHEET #		
COVER SHEET	C-I		
SITE PLAN	C-2		
GRADING PLAN	C-3		
STORMWATER MANAGEMENT PLAN	C-4		
UTILITY PLAN	C-5		
LIGHTING PLAN	C-6		
LANDSCAPING PLAN	C-7		
CONSTRUCTION DETAILS	C-8 & C-9		

ADDITIONAL SHE	ETS
DRAWING TITLE	SHEET#

ALTAL/NSPS TOPOGRAPHIC SURVEY

VF VF VF AF	10/29/2024 VF 10/23/2024 MH 09/10/2024 VF 07/29/2024 VF 03/26/2024 VF & A
	10/29/2024 10/23/2024 09/10/2024 07/29/2024 06/05/2024 03/26/2024

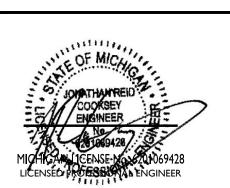
APPLICANT

SBURGNER@ALRIGUSA.COM

NATIONAL EXPRESS WASH HOLDCO, LLC

NOT APPROVED FOR CONSTRUCTION





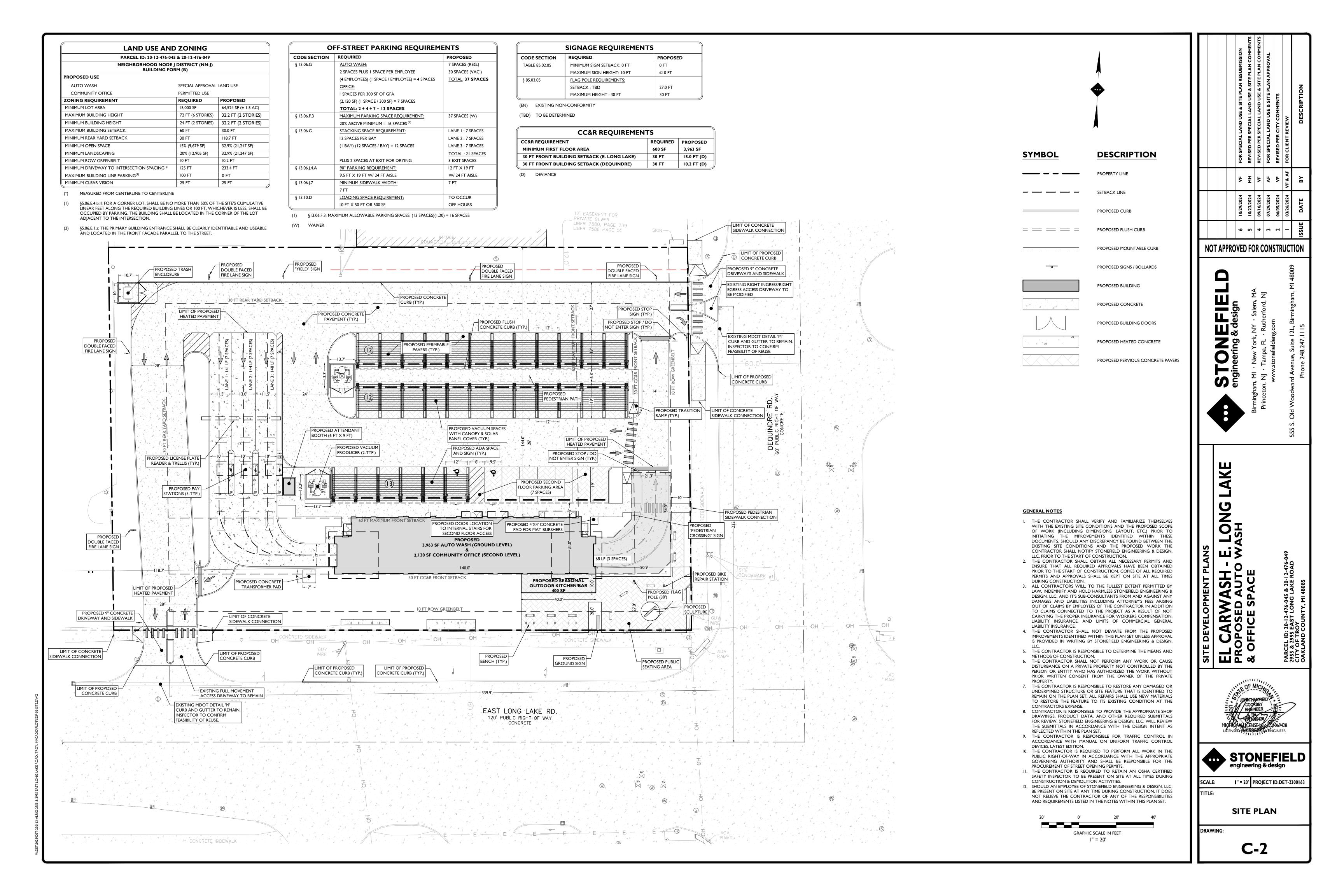


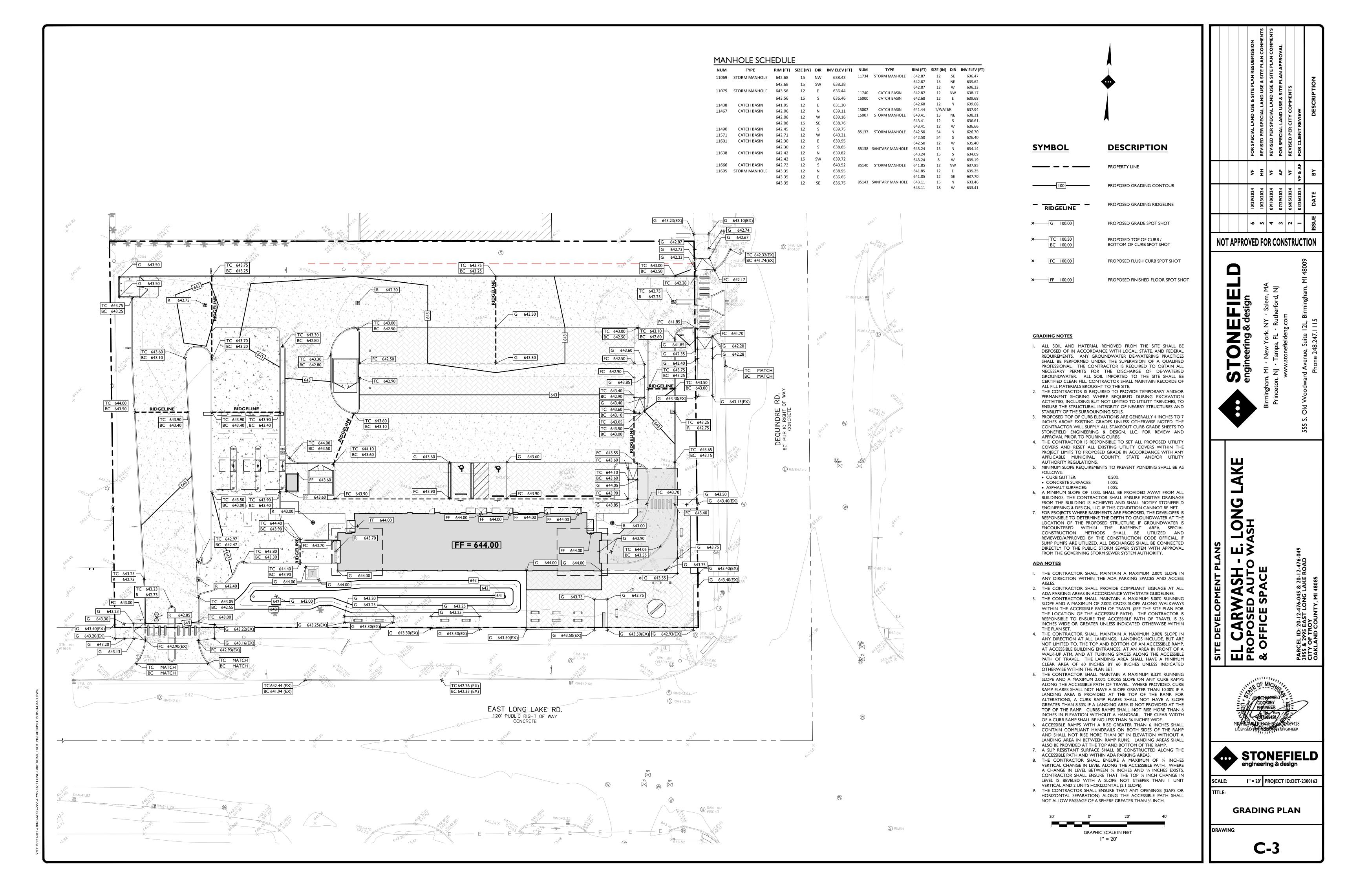
SCALE: AS SHOWN PROJECT ID:DET-2300163

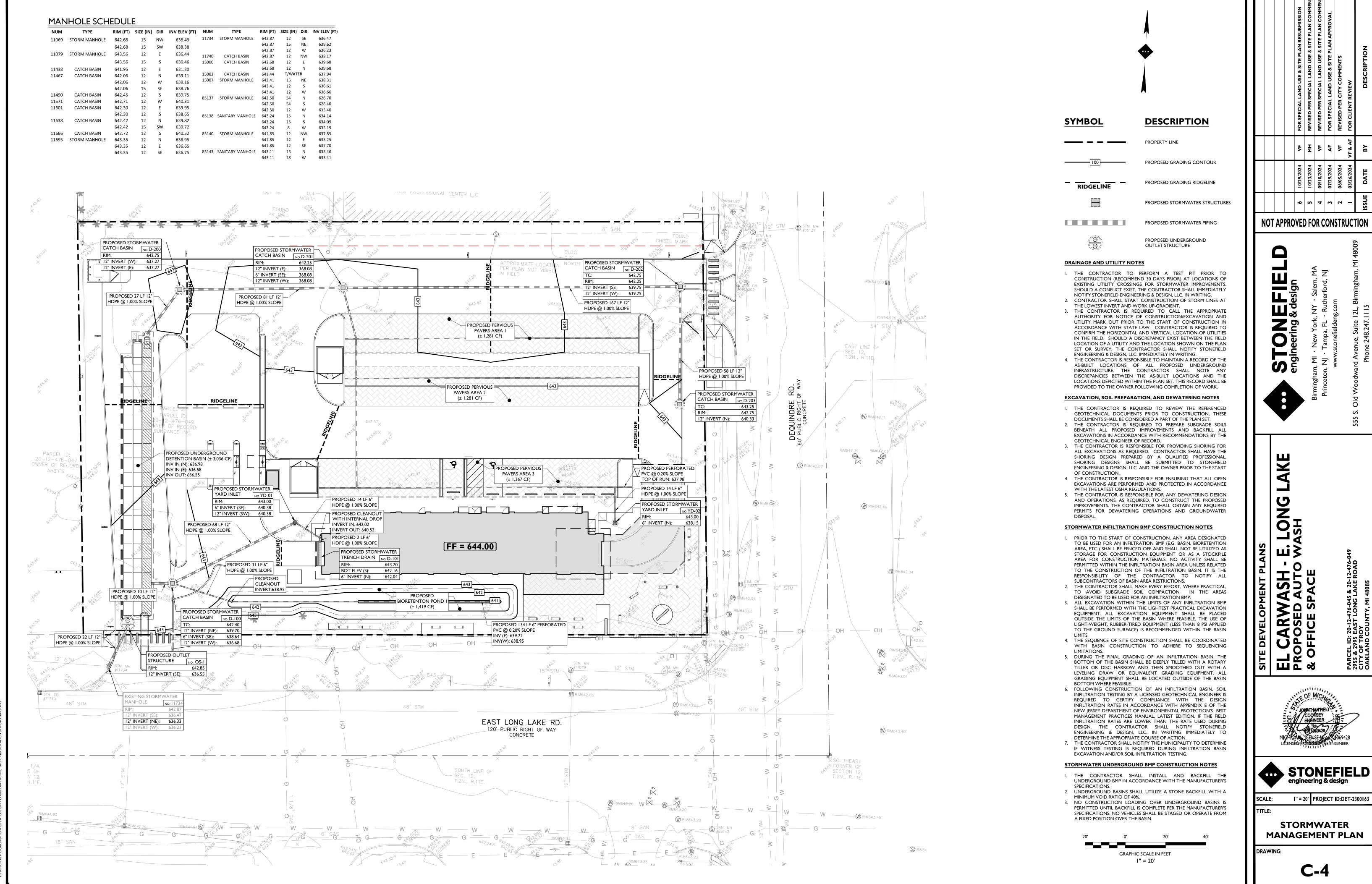
COVER SHEET

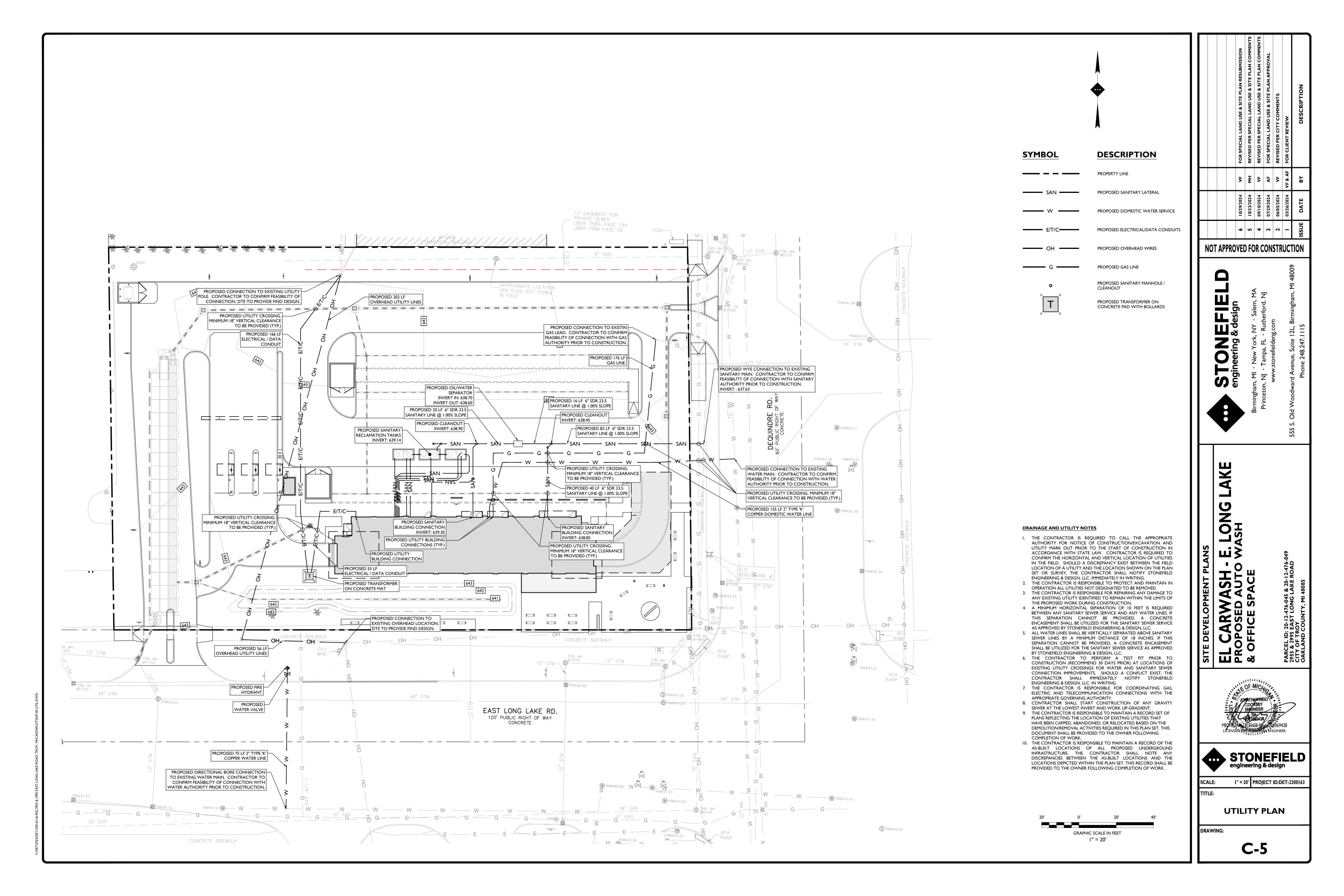
DRAWING:

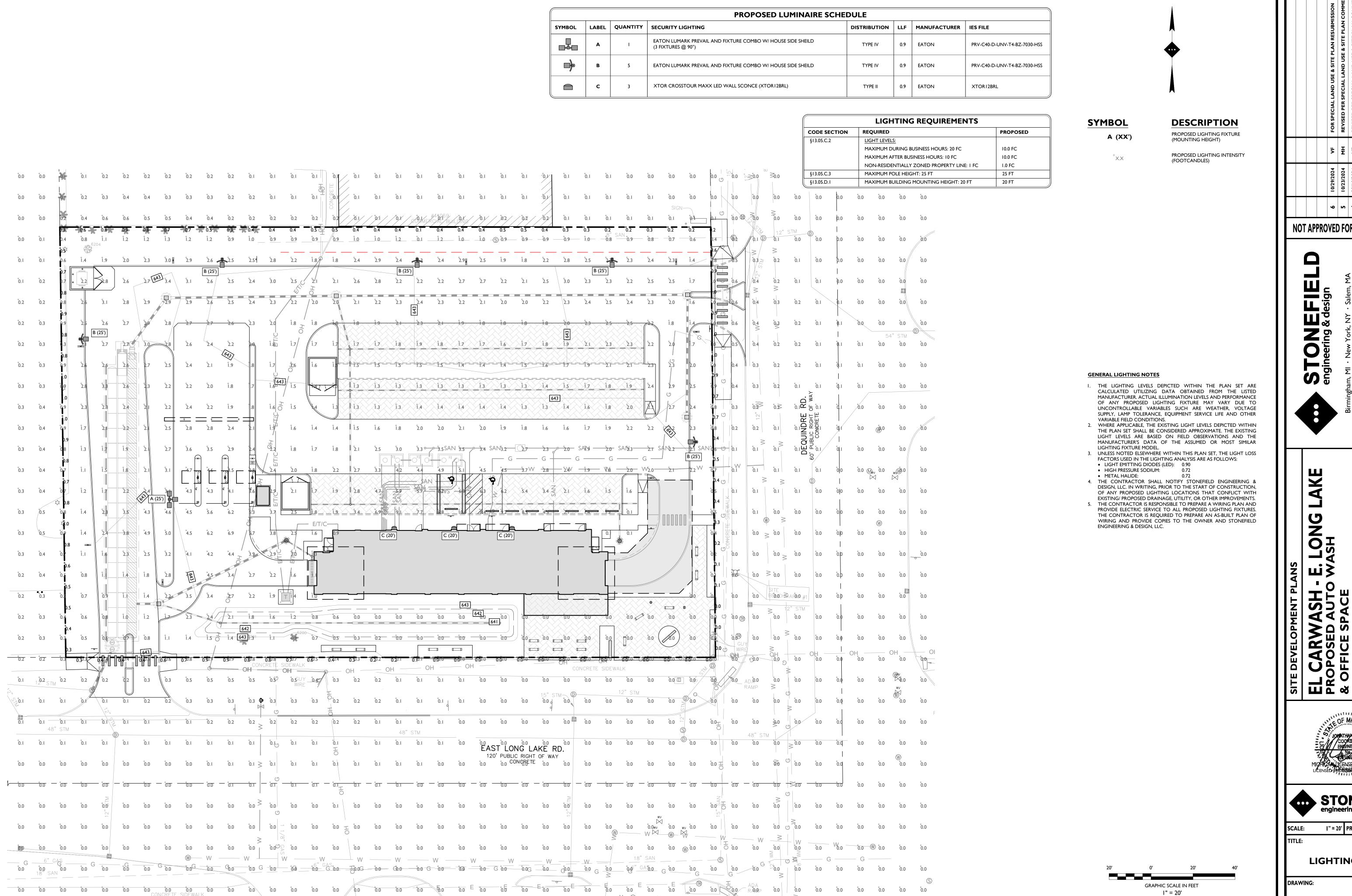
C-I







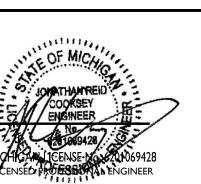




NOT APPROVED FOR CONSTRUCTION

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ΣZ





I" = 20' PROJECT ID:DET-2300163

LIGHTING PLAN

DRAWING:

	TREE INVENTORY SCHEDULE(*)									
TREE #	SIZE (DBH)	CANOPY RADIUS (FT)	BOTANICAL NAME	COMMON NAME	CONDITION	COMMENTS	HEALTH SCORE	REGULATED ⁽¹⁾	LANDMARK ⁽²⁾	INDICATION
6200	14"	±10'	PICEA GUNGENS	COLORADO SPRUCE	POOR	DYING TOP, STUNTED GROWTH, THINNING CANOPY, EXCESSIVE PITCH ON TRUNK	43%	N (C)	NO	TO REMAIN
6201	14"	±10'	PICEA GUNGENS	COLORADO SPRUCE	FAIR	STUNTED AND THINNING FOLIAGE	-	-	NO	TO REMAIN
6202	6"/6"/	±15'	MALUS SPP.	CRABAPPLE / APPLE	FAIR	CONTORTED CROWN	-	-	NO	TO BE REMOVED
6203	7"	±10'	ULMUS PUMILA	SIBERIAN ELM	FAIR	DEAD BRANCHES	-	N (SP)	NO	TO BE REMOVED
6204	10"	±7'	ACER PLATANOIDES	NORWAY MAPLE	POOR	50% OR MORE DEAD AND STUNTED NEW GROWTH	40%	N (C, SP)	NO	TO REMAIN
6205	5.5"	-	MALUS SPP.	CRABAPPLE / APPLE	-	-	-	N (S)	NO	TO BE REMOVED

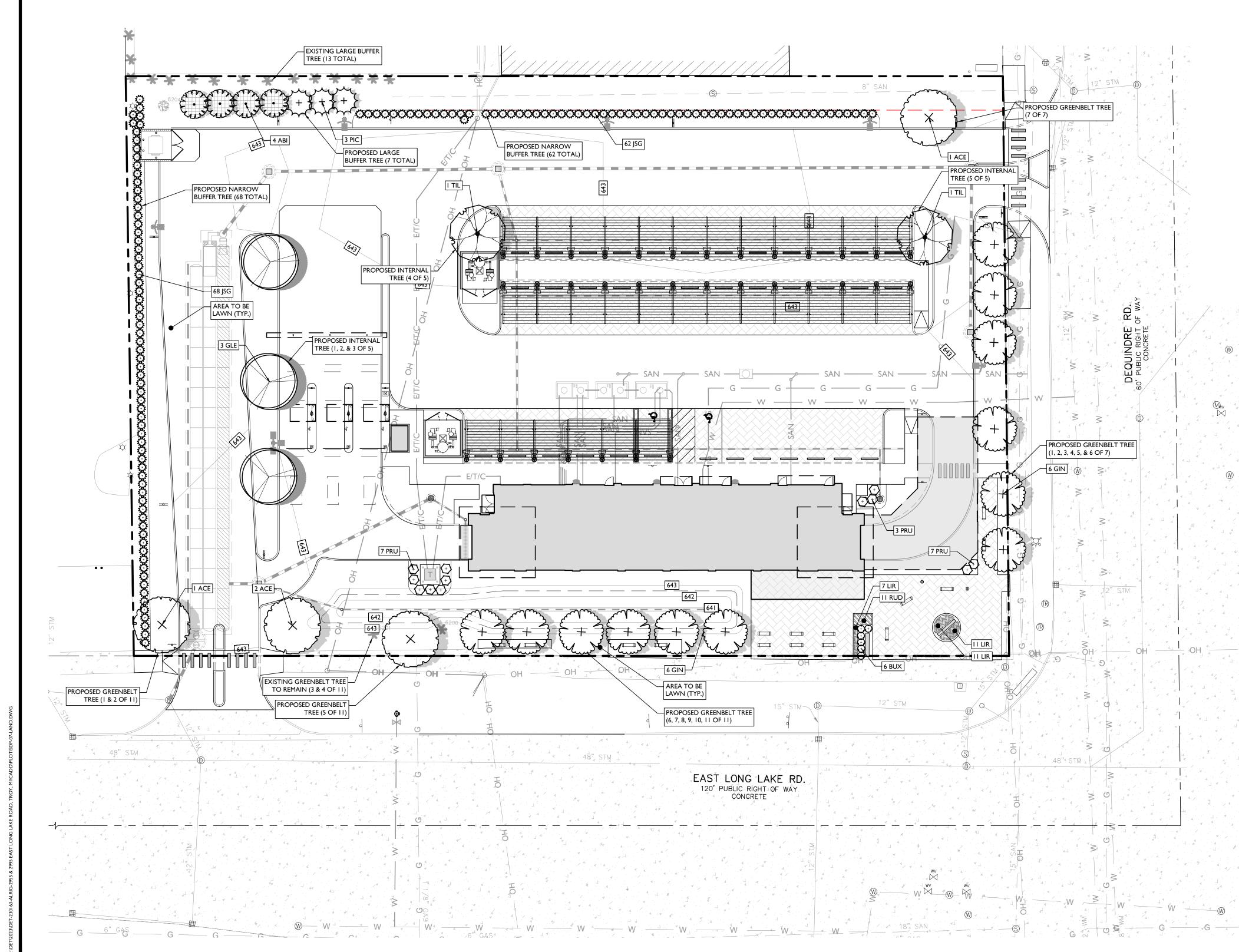
TREE REPLACEMENT REQUIREMENTS					
CODE SECTION REQUIRED PROPOSED					
	WOODLAND TREES				
§ 13.07.E.1.a.	50% OF THE ORIGINAL DBH OF WOODLAMD TREES REMOVED SHALL BE REPLACED	N/A; NO WOODLAND TREES TO BE REMOVED			
	LANDMARK TREES				
§ 13.07.E.1.b.	100% OF THE ORIGINAL DBH OF LANDMARK TREES REMOVED SHALL BE REPLACED	N/A; NO LANDMARK TREES TO BE REMOVED			

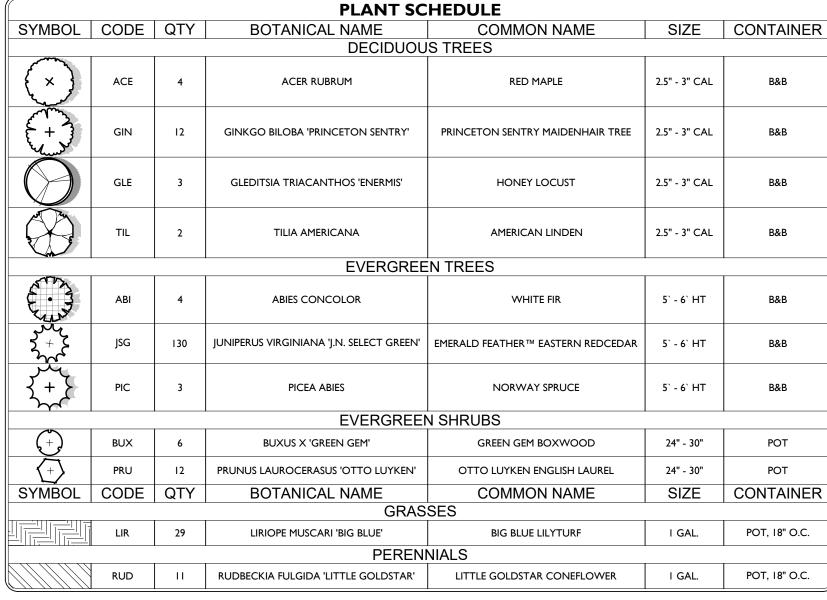
N/A NOT APPLICABLE

(*)	TREE INVENTORY WAS COMPLETED BY KEM-TEC 05/03/202
ŽΙ	N. (C) NOT RECLUATED DUE TO CONDITION

N (C) - NOT REGULATED DUE TO CONDITION N (SP) - NOT REGULATED DUE TO SPECIES

N (S) - NOT REGULATED DUE TO SIZE PER § 13.07.E.I., ONLY LANDMARK OR WOODLAND TREES REQUIRE REPLACEMENT. NO LANDMARK OR WOODLAND TREES ARE INDICATED TO BE REMOVED.





NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE LANDSCAPE PLAN AND WITHIN THE PLANT LIST, THE PLAN SHALL DICTATE.

L/	ANDSCAPING AND BUFFER REQUIR	EMENTS
CODE SECTION	REQUIRED	PROPOSED
	FRONTAGE LANDSCAPING:	
§ 13.02.D.2.b	MINIMUM 10 FT GREENBELT	10.0 FT
	I TREE FOR EVERY 30 FT OF ROAD FRONTAGE	
	EAST LONG LAKE (310 LF): (310 FT)(1 TREE / 30 FT) = 11 TREES	II TREES
	DEQUINDRE ROAD (205 LF): (205 FT)(1 TREE / 30 FT) = 7 TREES	7 TREES
§ 13.02.B.2.c	SCREENING BETWEEN LAND USES:	
	NORTHERN USER SCREENING - USE GROUP 3 :	
TABLE 13.02-A	NARROW EVERGREEN TREE: I TREE PER 5 LINEAL FEET (310 LF) / (I TREE / 5 LF) = 62 TREES	62 TREES
	LARGE EVERGREEN TREE: I TREE PER 10 LINEAL FEET (310 LF) / (I TREE / 10 LF) = 31 TREES	20 TREES (W)
TABLE 13.02-A	WESTERN USER SCREENING - USE GROUP 5 :	
	I TREE PER 10 LINEAL FEET OR I TREE PER 3 LINEAL FEET (205 LF) / (I TREE / 3 LF) = 68 TREES	68 TREES
§ 13.02.C.2.a	I TREE PER 8 PARKING SPACES	
	(36 SPACES)(I TREE / 8 SPACES) = 5 TREES	5 TREES
§ 13.02.C.b	MINIMUM CURBED ISLAND AREA - 200 SF	COMPLIES
§ 13.02.E.1.a	MINIMUM SITE LANDSCAPING - 20%	
	(64,538 SF)*(0.2) = 12,907 SF	21,247 SF (32.9%)

(W) DESIGN WAIVER

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

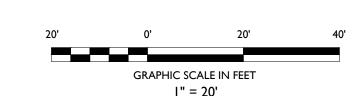
LANDSCAPE

ARCHITECT

IRRIGATION NOTE:

IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA. PRIOR TO CONSTRUCTION, DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

- I. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- 2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED. 3. THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM
- 3 INCH LAYER OF MULCH. 4. THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO 1 FOOT VERTICAL (3:1 SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. 5. THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
- THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING

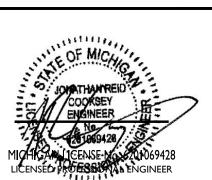


20'	0'	20'	40'
	GRAPHIC S	SCALE IN FEET	
	1"	= 20'	

			FOR SPECIAL LAND USE & SITE PLAN RESUBMISSION	REVISED PER SPECIAL LAND USE & SITE PLAN COMMEN	REVISED PER SPECIAL LAND USE & SITE PLAN COMMEN	FOR SPECIAL LAND USE & SITE PLAN APPROVAL	REVISED PER CITY COMMENTS	FOR CLIENT REVIEW	DESCRIPTION
			VF	НШ	VF	AF	VF	VF & AF	ВУ
			10/29/2024	10/23/2024	09/10/2024	07/29/2024	06/05/2024	03/26/2024	DATE
			9	2	4	3	2	-	ISSUE
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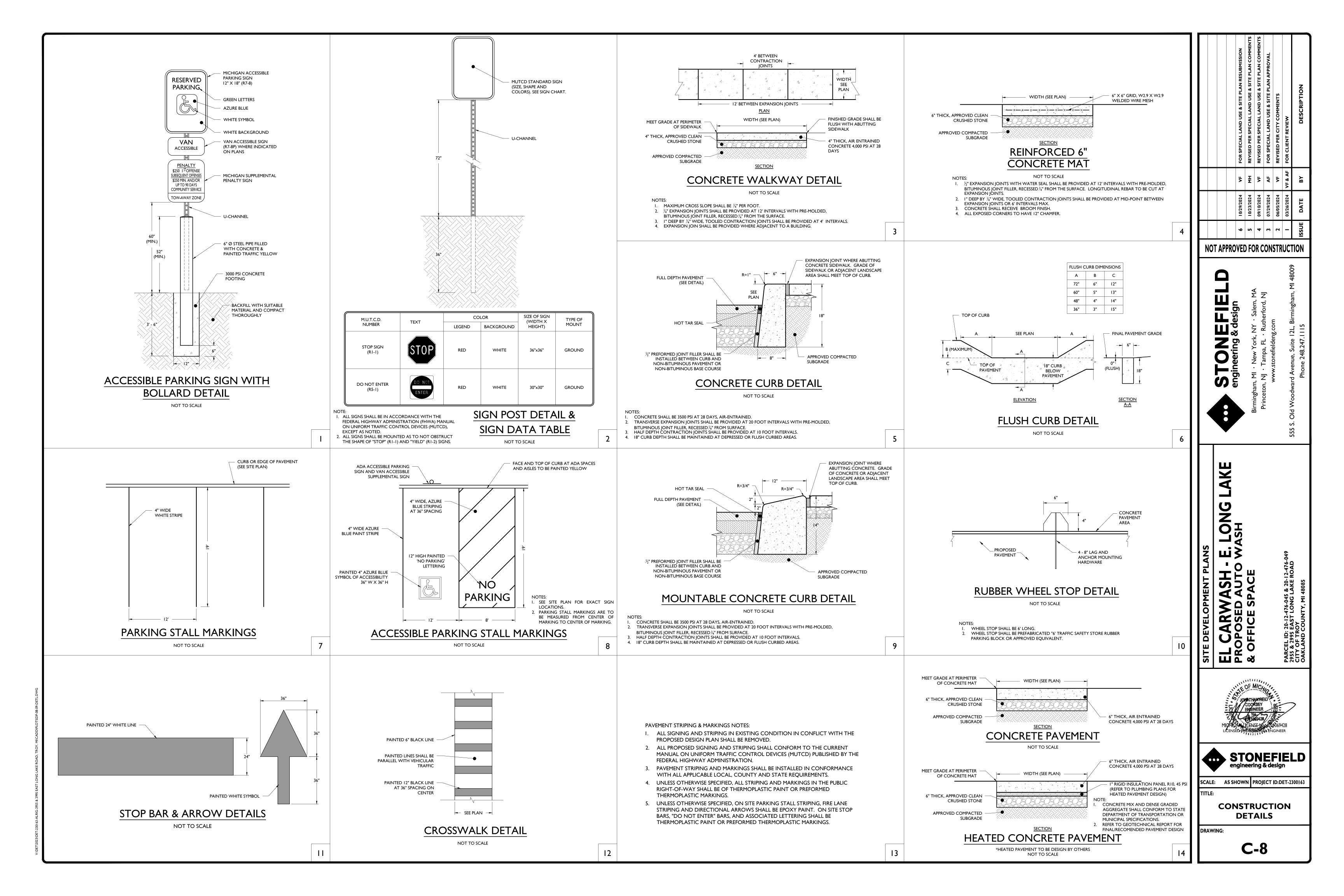
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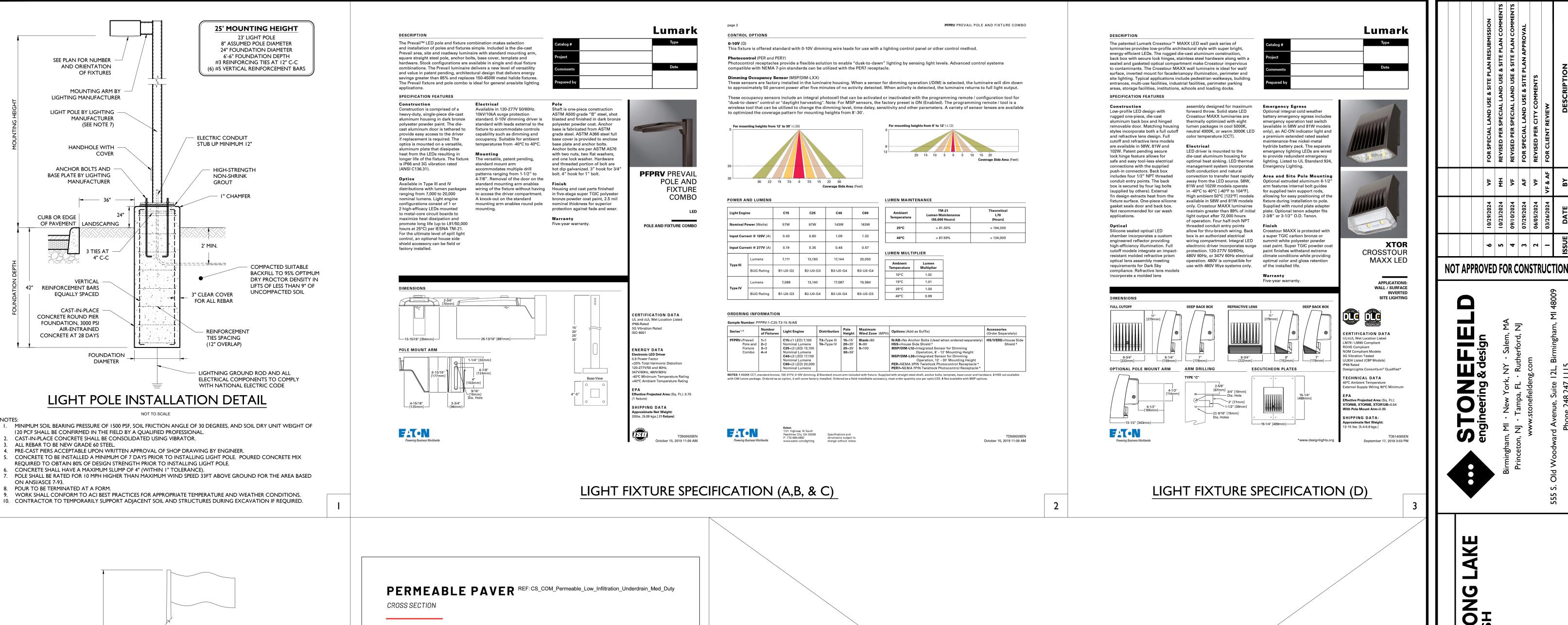


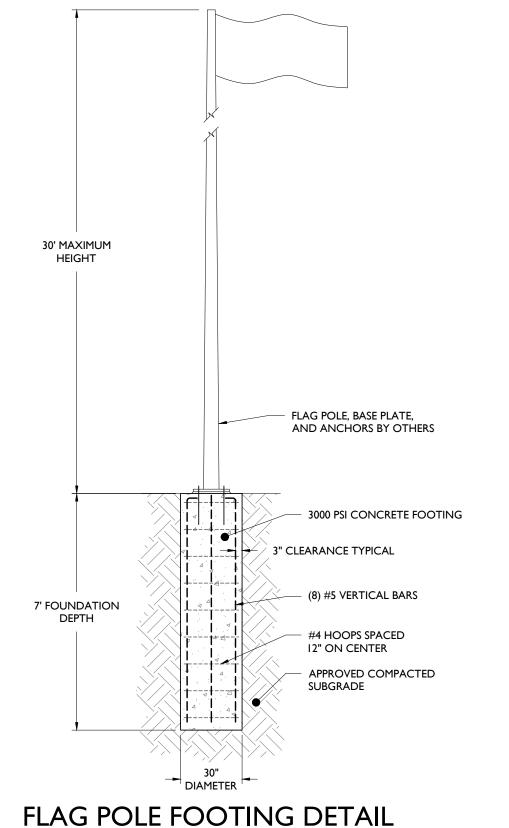
I" = 20' PROJECT ID:DET-2300163

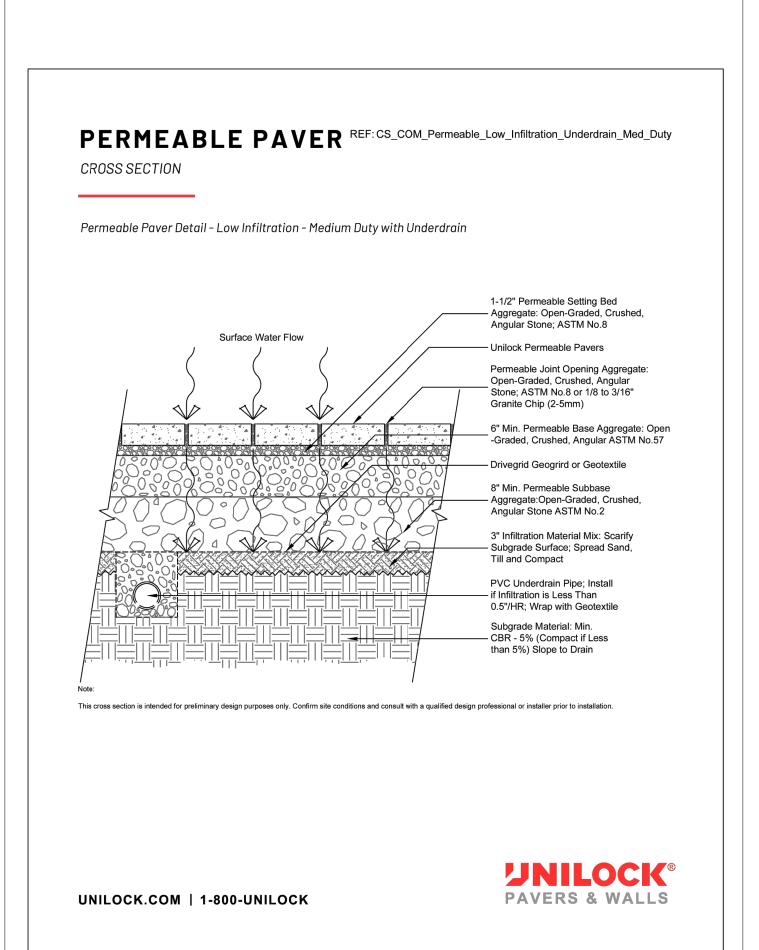
LANDSCAPING PLAN

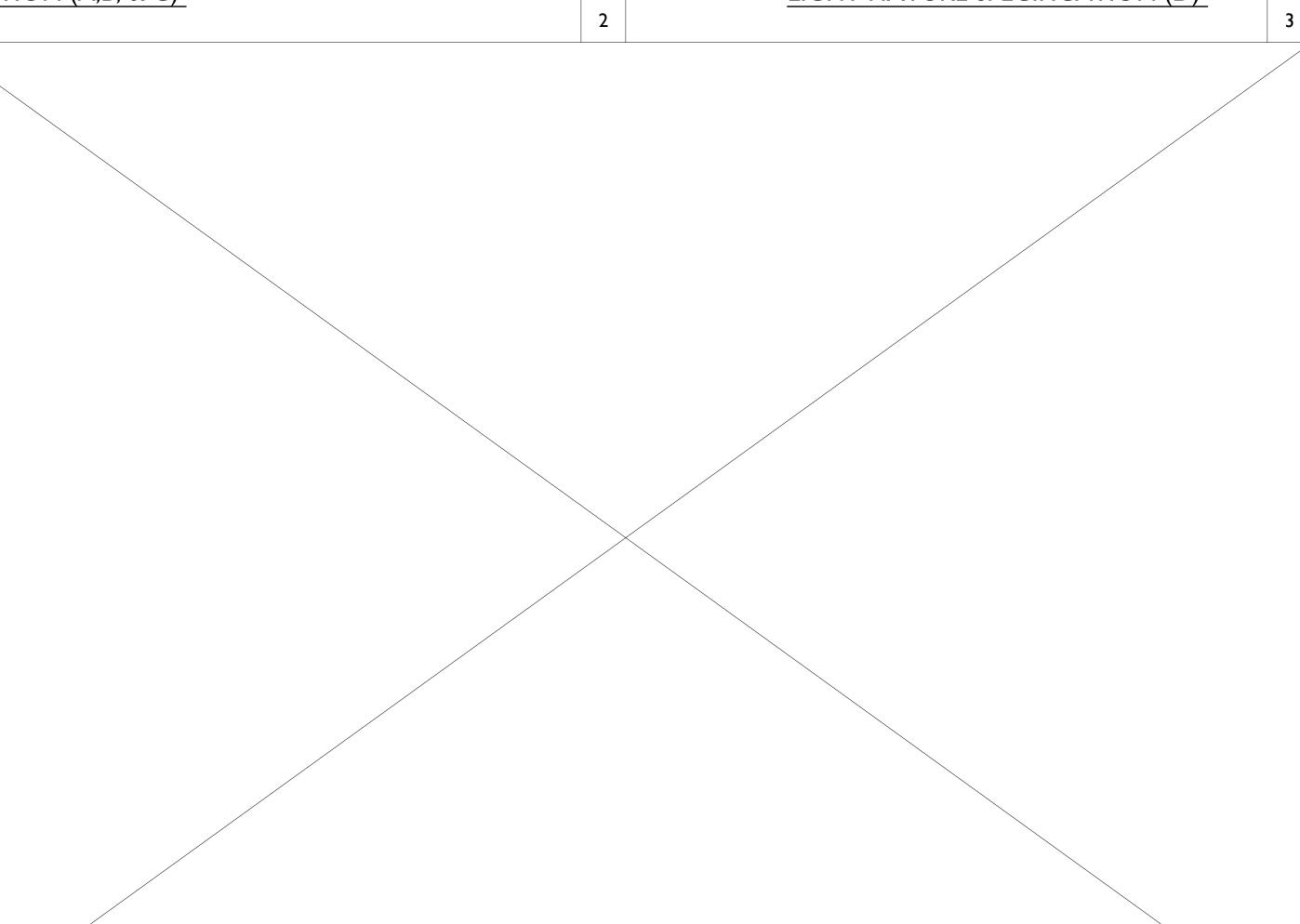
DRAWING:











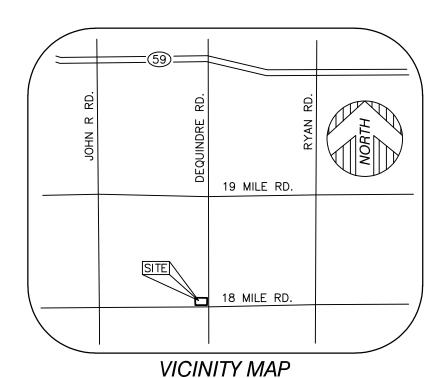
EL CARWASH - E. LONG I BROWN ASH - E. LONG I

CONSTRUCTION DETAILS

DRAWING:

C-9

SCALE: AS SHOWN PROJECT ID:DET-2300163



(NOT TO SCALE)

PARKING

HANDICAP PARKING = 3 STALLS STANDARD PARKING = 64 STALLS

PARCEL AREA

PARCEL 1: $42,027\pm$ SQUARE FEET = $0.97\pm$ ACRES

PARCEL 2: $21,497\pm$ SQUARE FEET = $0.49\pm$ ACRES

63,524± SQUARE FEET = 1.46± ACRES

BASIS OF BEARING

NORTH 89°32'26" WEST, BEING THE NORTH LINE OF EAST LONG LAKE RD, AS DESCRIBED.

BENCHMARK

SITE BENCHMARK #1

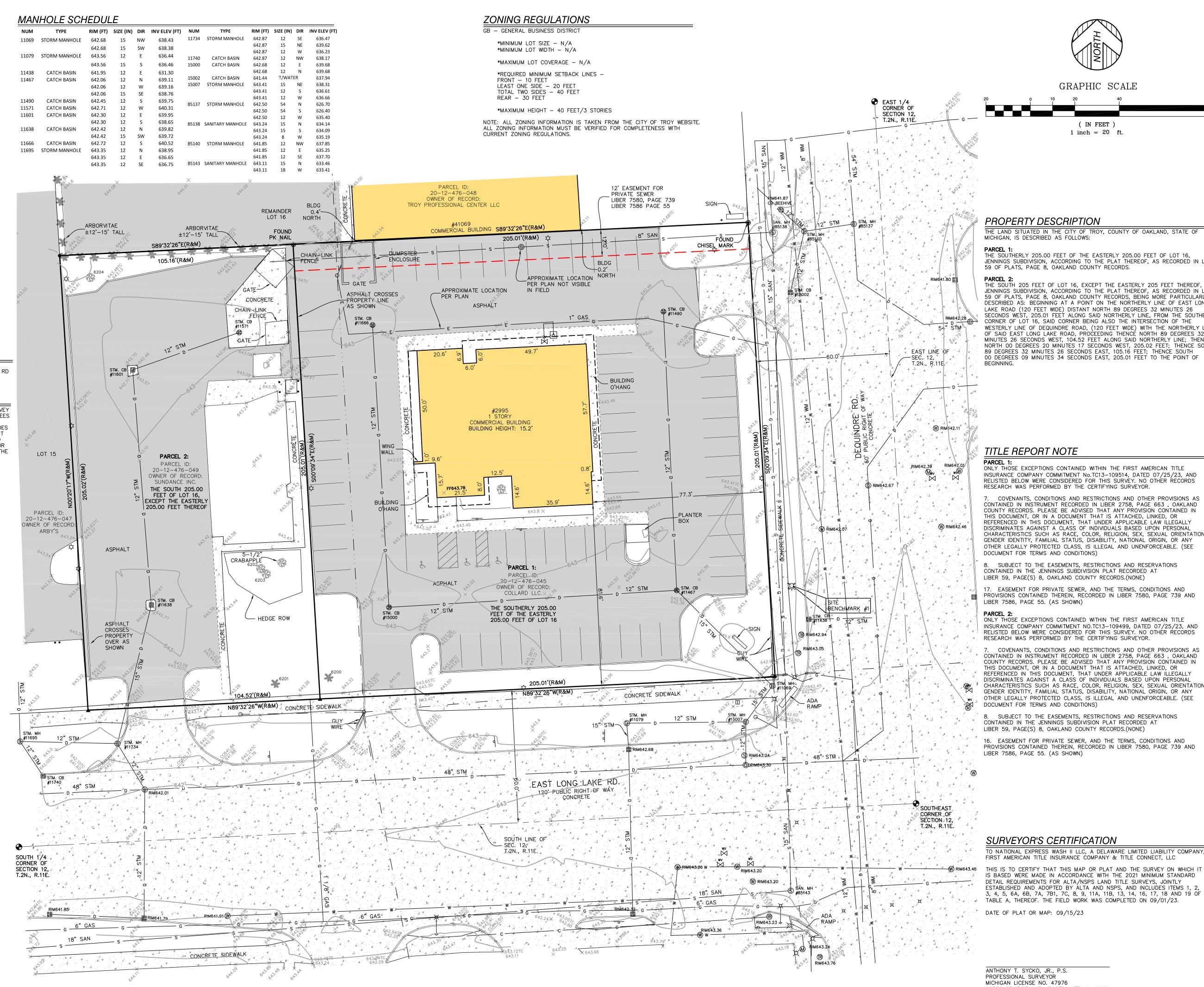
ARROW ON HYDRANT AT NORTHWEST CORNER OF LONG LAKE & DEQUINDRE RD ELEVATION = 645.38' (NAVD 88)

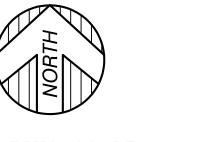
SURVEYOR'S NOTE

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

LEGEND SET 1/2" REBAR WITH CAP P.S. 47976 SET MAG NAIL FOUND MONUMENT (AS NOTED) FOUND SECTION CORNER (AS NOTED) RECORD AND MEASURED DIMENSION RECORD DIMENSION (M) MEASURED DIMENSION GROUND ELEVATION ELECTRIC PANEL TRANSFORMER UTILITY POLE GAS VALVE LIGHT POLE WITH STREET LAMP CABLE TV RISER TRAFFIC SIGNAL TRAFFIC SIGNAL MANHOLE SANITARY MANHOLE ROUND CATCH BASIN SQUARE CATCH BASIN STORM DRAIN MANHOLE FIRE HYDRANT WATER GATE MANHOLE WATER VALVE UNKNOWN MANHOLE BOLLARD FLAGPOLE LIGHTPOST/LAMP POST SINGLE POST SIGN DOUBLE POST SIGN HANDICAP PARKING DECIDUOUS TREE (AS NOTED) CONIFEROUS TREE (AS NOTED) PARCEL BOUNDARY LINE PLATTED LOT LINE ADJOINER PARCEL LINE — EASEMENT (AS NOTED) EASEMENT CENTERLINE — — — — — — BUILDING OVERHANG — ASPHALT CURB CONCRETE CURB ----- RAISED CONCRETE PARKING EDGE OF CONCRETE (CONC.) EDGE OF ASPHALT (ASPH.) FENCE (AS NOTED) WALL (AS NOTED) --- OVERHEAD UTILITY LINE — UNDERGROUND CABLE GAS LINE ----- STORM LINE WATER LINE BUILDING AREA **ASPHALT**

CONCRETE





PRO SUR SER Ann

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GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

PROPERTY DESCRIPTION

THE LAND SITUATED IN THE CITY OF TROY, COUNTY OF OAKLAND, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

THE SOUTHERLY 205.00 FEET OF THE EASTERLY 205.00 FEET OF LOT 16. JENNINGS SUBDIVISION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN LIBER 59 OF PLATS, PAGE 8, OAKLAND COUNTY RECORDS.

THE SOUTH 205 FEET OF LOT 16. EXCEPT THE EASTERLY 205 FEET THEREOF. JENNINGS SUBDIVISION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN LIBER 59 OF PLATS, PAGE 8, OAKLAND COUNTY RECORDS, BEING MORE PARTICULARLY DESCRIBED AS: BEGINNING AT A POINT ON THE NORTHERLY LINE OF EAST LONG LAKE ROAD (120 FEET WIDE) DISTANT NORTH 89 DEGREES 32 MINUTES 26 SECONDS WEST, 205.01 FEET ALONG SAID NORTHERLY LINE, FROM THE SOUTHEAST CORNER OF LOT 16, SAID CORNER BEING ALSO THE INTERSECTION OF THE WESTERLY LINE OF DEQUINDRE ROAD, (120 FEET WIDE) WITH THE NORTHERLY LINE OF SAID EAST LONG LAKE ROAD, PROCEEDING THENCE NORTH 89 DEGREES 32 MINUTES 26 SECONDS WEST, 104.52 FEET ALONG SAID NORTHERLY LINE; THENCE NORTH 00 DEGREES 20 MINUTES 17 SECONDS WEST, 205.02 FEET; THENCE SOUTH 89 DEGREES 32 MINUTES 26 SECONDS EAST, 105.16 FEET; THENCE SOUTH 00 DEGREES 09 MINUTES 34 SECONDS EAST, 205.01 FEET TO THE POINT OF

TITLE REPORT NOTE

ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT No.TC13-109514, DATED 07/25/23, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

7. COVENANTS, CONDITIONS AND RESTRICTIONS AND OTHER PROVISIONS AS CONTAINED IN INSTRUMENT RECORDED IN LIBER 2758, PAGE 663, OAKLAND COUNTY RECORDS. PLEASE BE ADVISED THAT ANY PROVISION CONTAINED IN THIS DOCUMENT, OR IN A DOCUMENT THAT IS ATTACHED, LINKED, OR REFERENCED IN THIS DOCUMENT, THAT UNDER APPLICABLE LAW ILLEGALLY DISCRIMINATES AGAINST A CLASS OF INDIVIDUALS BASED UPON PERSONAL CHARACTERISTICS SUCH AS RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, FAMILIAL STATUS, DISABILITY, NATIONAL ORIGIN, OR ANY OTHER LEGALLY PROTECTED CLASS, IS ILLEGAL AND UNENFORCEABLE. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

8. SUBJECT TO THE EASEMENTS, RESTRICTIONS AND RESERVATIONS CONTAINED IN THE JENNINGS SUBDIVISION PLAT RECORDED AT LIBER 59, PAGE(S) 8, OAKLAND COUNTY RECORDS.(NONE)

17. EASEMENT FOR PRIVATE SEWER, AND THE TERMS, CONDITIONS AND PROVISIONS CONTAINED THEREIN, RECORDED IN LIBER 7580, PAGE 739 AND LIBER 7586, PAGE 55. (AS SHOWN)

ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO.TC13-109499, DATED 07/25/23, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

COVENANTS, CONDITIONS AND RESTRICTIONS AND OTHER PROVISIONS AS CONTAINED IN INSTRUMENT RECORDED IN LIBER 2758, PAGE 663, OAKLAND COUNTY RECORDS. PLEASE BE ADVISED THAT ANY PROVISION CONTAINED IN THIS DOCUMENT, OR IN A DOCUMENT THAT IS ATTACHED, LINKED, OR REFERENCED IN THIS DOCUMENT, THAT UNDER APPLICABLE LAW ILLEGALLY DISCRIMINATES AGAINST A CLASS OF INDIVIDUALS BASED UPON PERSONAL CHARACTERISTICS SUCH AS RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, FAMILIAL STATUS, DISABILITY, NATIONAL ORIGIN, OR ANY OTHER LEGALLY PROTECTED CLASS, IS ILLEGAL AND UNENFORCEABLE. (SEE

SUBJECT TO THE EASEMENTS, RESTRICTIONS AND RESERVATIONS CONTAINED IN THE JENNINGS SUBDIVISION PLAT RECORDED AT LIBER 59, PAGE(S) 8, OAKLAND COUNTY RECORDS.(NONE)

16. EASEMENT FOR PRIVATE SEWER, AND THE TERMS, CONDITIONS AND PROVISIONS CONTAINED THEREIN, RECORDED IN LIBER 7580, PAGE 739 AND LIBER 7586, PAGE 55. (AS SHOWN)

SURVEYOR'S CERTIFICATION

TO NATIONAL EXPRESS WASH II LLC, A DELAWARE LIMITED LIABILITY COMPANY, FIRST AMERICAN TITLE INSURANCE COMPANY & TITLE CONNECT, LLC

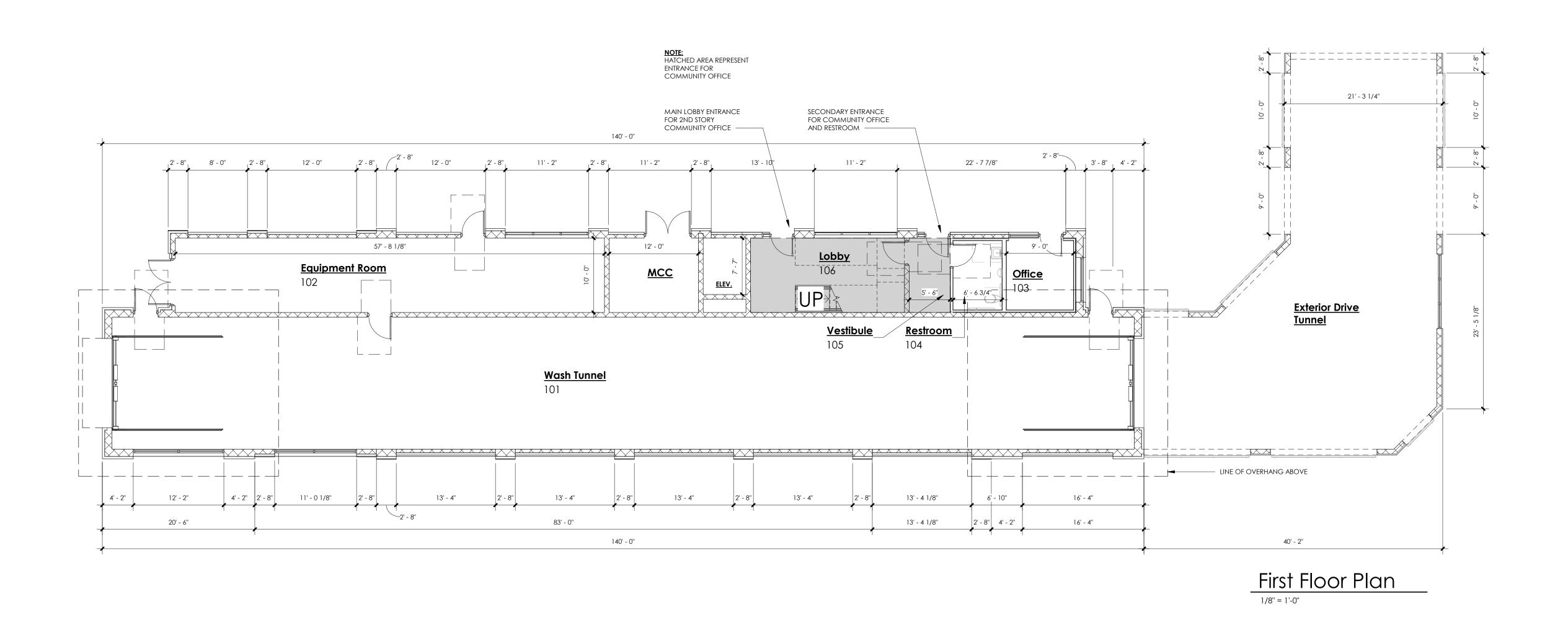
IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ÁLTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6A, 6B, 7A, 7B1, 7C, 8, 9, 11A, 11B, 13, 14, 16, 17, 18 AND 19 OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON 09/01/23.

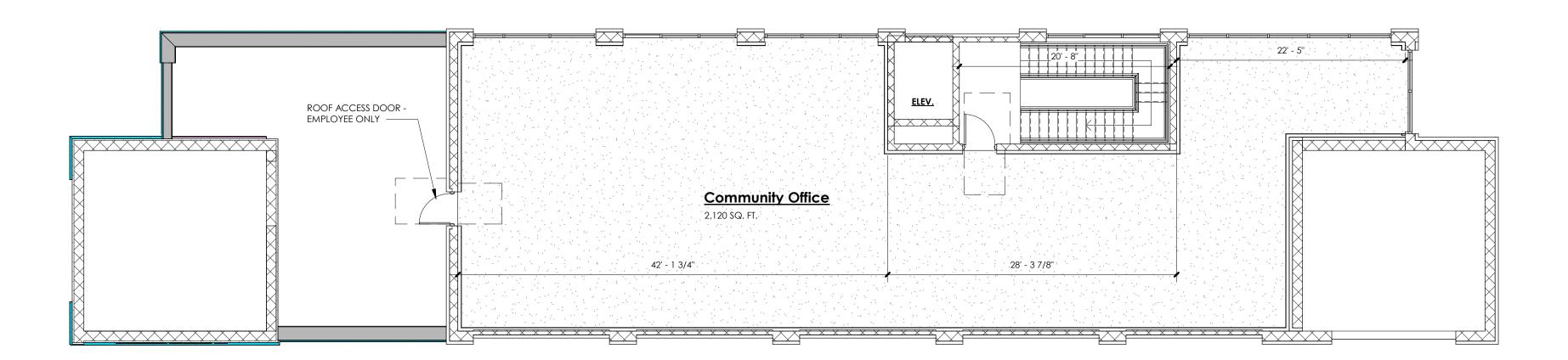
DATE OF PLAT OR MAP: 09/15/23

ANTHONY T. SYCKO, JR., P.S. PROFESSIONAL SURVEYOR MICHIGAN LICENSE NO. 47976 22556 GRATIOT AVE., EASTPOINTE, MI 48021

TSycko@kemtec-survey.com

1 OF 1 SHEETS





Second Floor Plan

1/8" = 1'-0"

KRIEGER KLATT
ARCHITECTS

2120 E. 11 Mile Rd. | Royal Oak, MI 48067 P: 248.414.9270 F: 248.414.9275 www.kriegerklatt.com

Client:

El Car Wash East Long Lake LLC 30200 Telegraph Rd, Suite 205 Bingham Farms, MI 48025

El Car Wash 2995 E. Long Lake Troy, MI 48085

> 01.19.2024 05.23.2024 Site Plan Review Site Plan Review 10.29.2024 Site Plan Review

Do not scale drawings. Use calculated dimensions only. Verify existing conditions in

North Arrow:

Sheet Title:

Floor Plan

Project Number:

Scale: 1/8" = 1'-0"

Sheet Number:
A.101

TRANSPARENCY REQUIREMENTS						
FACADE	FRONT OR SIDE	TRANSPARENCY REQ.*	TOTAL AREA	GLAZING / DOOR SQ. FT. / %	GREEN SCREEN/CLEAR OPENING / %**	MEETS REQUIREMENTS: YES/NO
NORTH	SIDE YARD	30%	2,844 SQ. FT	363 SQ. FT / 12.7%	284 SQ. FT / 10.0%	YES - SEE COMMENTS BELOW
SOUTH	FRONT YARD	50%	2,843 SQ. FT	524 SQ. FT / 18.4%	279 SQ. FT / 9.8%	YES - SEE COMMENTS BELOW
WEST	SIDE YARD	30%	502 SQ. FT	205 SQ. FT / 40.6%	0 SQ. FT / 0%	YES
EAST	FRONT YARD	50%	827 SQ. FT	87 SQ. FT / 10.5%	204 SQ. FT / 24.7%	YES - SEE COMMENTS BELOW

NOTE

* Transparency Requirements: Per Section 5.06 - Neighborhood Nodes District, section E.2.A states the transparency requirement apply to the first floor of a building only. Additionally, "Transparency Alternatives" may be used for up to 80% of the requirements on front facades when used in combination and the wall design may be used for up to 100% of the requirement for side street/yard requirements.

** Green Screens or planter walls count towards one of the wall design alternatives per Section 2.B.I.F.

North Facade.
 A. The additional 490 sq. ft. required to meet the 30% requirement is completed used the wall design alternatives. This takes into account a series of green living wall screens (f), variations in material module, pattern, and/or color (d), and a system of horizontal and vertical scaling elements such as: soldier courses, horizontal bands, and brick pilasters. The wall design alternative can account for up to 80% of the transparency requirement.

A. The additional 897.5 sq. ft. required to meet the 50% requirement is completed using the wall design alternatives and outdoor seating, which can account for 80% of the required transparent area. This takes into account a series of green living wall screens (f), variations in material module, patter, and/or color (d), and a system of horizontal and vertical scaling elements such as: soldier courses, horizontal bands, and brick pilasters. The wall design alternative can account for up to 710.5 sq. ft. while the outdoor seating accounts for the remaining.

PAINTED BRICK

SOLDIER COURSE

•

M-6

KRIEGER KLATT

www.kriegerklatt.com

Client:

Bingham Farms, MI 48025

2995 E. Long Lake Troy, MI 48085

El Car Wash

Issued

01.19.2024

05.23.2024

07.12.2024

10.29.2024

T.O. <u>Tower</u> 32' - 2 5/8"

T.O. Tower Stucco

\T.O. Second Story 27' - 4 5/8"

T.O. Parapet

Second Floor

T.O. Masonry

Floor Level

B.O. Canopy
12' - 0"

- BRICK SOLDIER COURSE

2120 E. 11 Mile Rd. | Royal Oak, MI 48067 **P:** 248.414.9270 **F:** 248.414.9275

El Car Wash East Long Lake LLC

Description

Site Plan Review

Site Plan Review

Site Plan Review

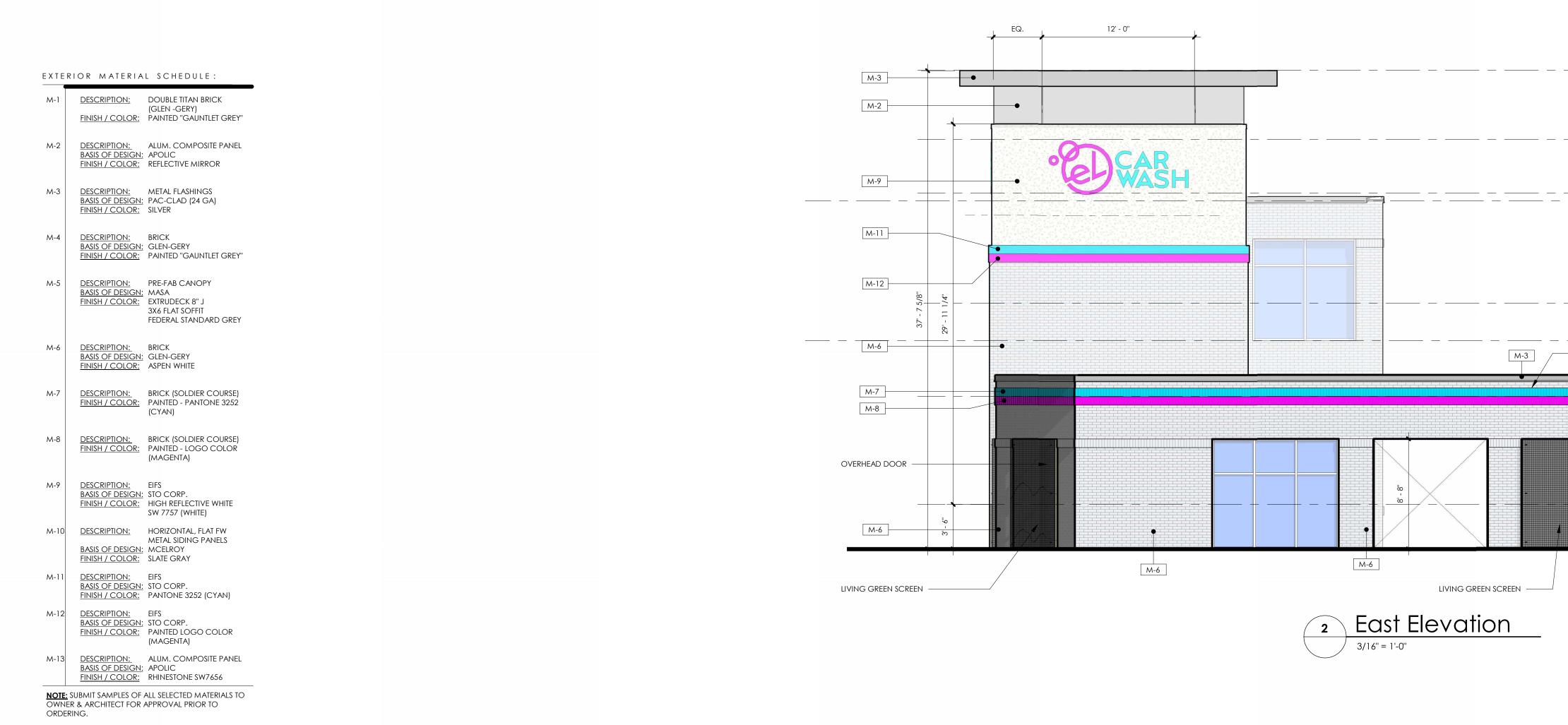
30200 Telegraph Rd, Suite 205

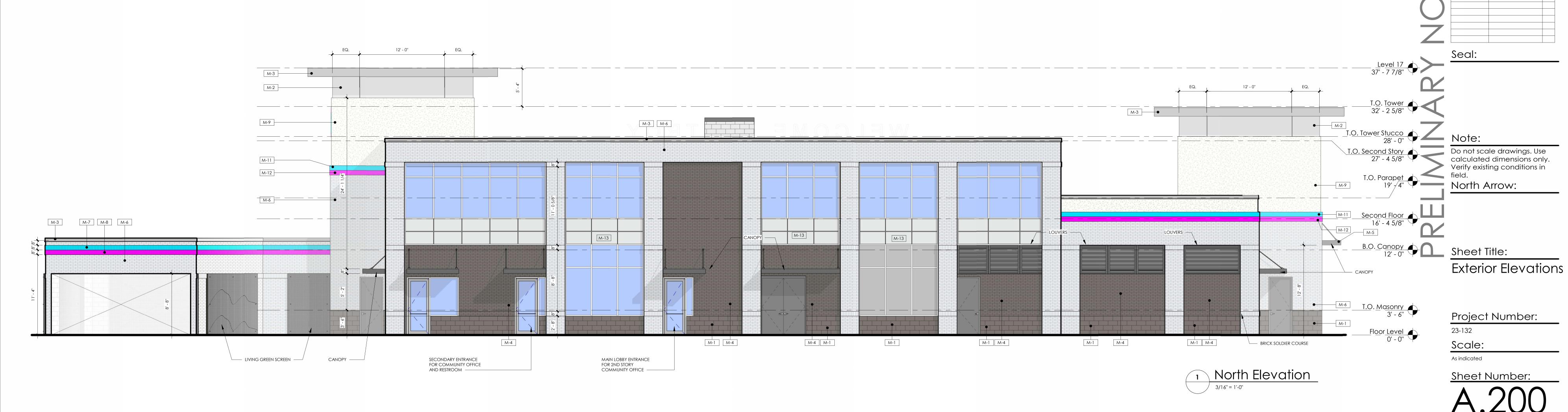
ARCHITECTS

West Facade.

A. The West facade is covered by the percentage of glazing/door currently shown.

4. East Facade.
A. The 413.5 sq. ft. required to meet the 50% requirement is completed used the wall design alternatives and outdoor seating at the corner. Transparency requirements may account for 80% of the required wall space. Glazing/Door space is required to be at least 82.7 sq. ft., which we meet. The Wall design alternatives take into account a series of green living wall screens (f), variations in material module, patter, and/or color (d), and a system of horizontal and vertical scaling elements such as: soldier courses, horizontal bands, and brick pilasters. The wall design alternative can account for up to 50% of the transparency requirement. The remaining square footage is covered by outdoor seating areas.





TRANSPAREN	CY REQUIREMENTS					
FACADE	FRONT OR SIDE	TRANSPARENCY REQ.*	TOTAL AREA	GLAZING / DOOR SQ. FT. / %	GREEN SCREEN/CLEAR OPENING / %**	meets requirements: yes/no
NORTH	SIDE YARD	30%	2,844 SQ. FT	363 SQ. FT / 12.7%	284 SQ. FT / 10.0%	YES - SEE COMMENTS BELOW
SOUTH	FRONT YARD	50%	2,843 SQ. FT	524 SQ. FT / 18.4%	279 SQ. FT / 9.8%	YES - SEE COMMENTS BELOW
WEST	SIDE YARD	30%	502 SQ. FT	205 SQ. FT / 40.6%	0 SQ. FT / 0%	YES
EAST	FRONT YARD	50%	827 SQ. FT	87 SQ. FT / 10.5%	204 SQ. FT / 24.7%	yes - see comments below

EXTERIOR MATERIAL SCHEDULE:

M-1 <u>DESCRIPTION:</u> DOUBLE TITAN BRICK

FINISH / COLOR: PAINTED "GAUNTLET GREY"

DESCRIPTION: ALUM. COMPOSITE PANEL BASIS OF DESIGN: APOLIC FINISH / COLOR: REFLECTIVE MIRROR

FINISH / COLOR: PAINTED "GAUNTLET GREY"

3X6 FLAT SOFFIT

FEDERAL STANDARD GREY

DESCRIPTION: METAL FLASHINGS
BASIS OF DESIGN: PAC-CLAD (24 GA)
FINISH / COLOR: SILVER

DESCRIPTION: PRE-FAB CANOPY

BASIS OF DESIGN: MASA
FINISH / COLOR: EXTRUDECK 8" J

FINISH / COLOR: ASPEN WHITE

M-9

DESCRIPTION: EIFS

BASIS OF DESIGN: STO CORP.

FINISH / COLOR: HIGH REFLECTIVE WHITE

M-10 <u>DESCRIPTION:</u> HORIZONTAL, FLAT FW METAL SIDING PANELS BASIS OF DESIGN: MCELROY

FINISH / COLOR: SLATE GRAY

M-11

DESCRIPTION: EIFS

BASIS OF DESIGN: STO CORP.

FINISH / COLOR: PANTONE 3252 (CYAN)

M-12

DESCRIPTION: EIFS

BASIS OF DESIGN: STO CORP.
FINISH / COLOR: PAINTED LOGO COLOR

M-13 <u>DESCRIPTION:</u> ALUM. COMPOSITE PANEL BASIS OF DESIGN: APOLIC FINISH / COLOR: RHINESTONE SW7656

<u>NOTE:</u> SUBMIT SAMPLES OF ALL SELECTED MATERIALS TO OWNER & ARCHITECT FOR APPROVAL PRIOR TO

<u>DESCRIPTION:</u>
<u>FINISH / COLOR:</u>

BRICK (SOLDIER COURSE)
PAINTED - PANTONE 3252

DESCRIPTION:
FINISH / COLOR:
PAINTED - LOGO COLOR

(MAGENTA)

SW 7757 (WHITE)

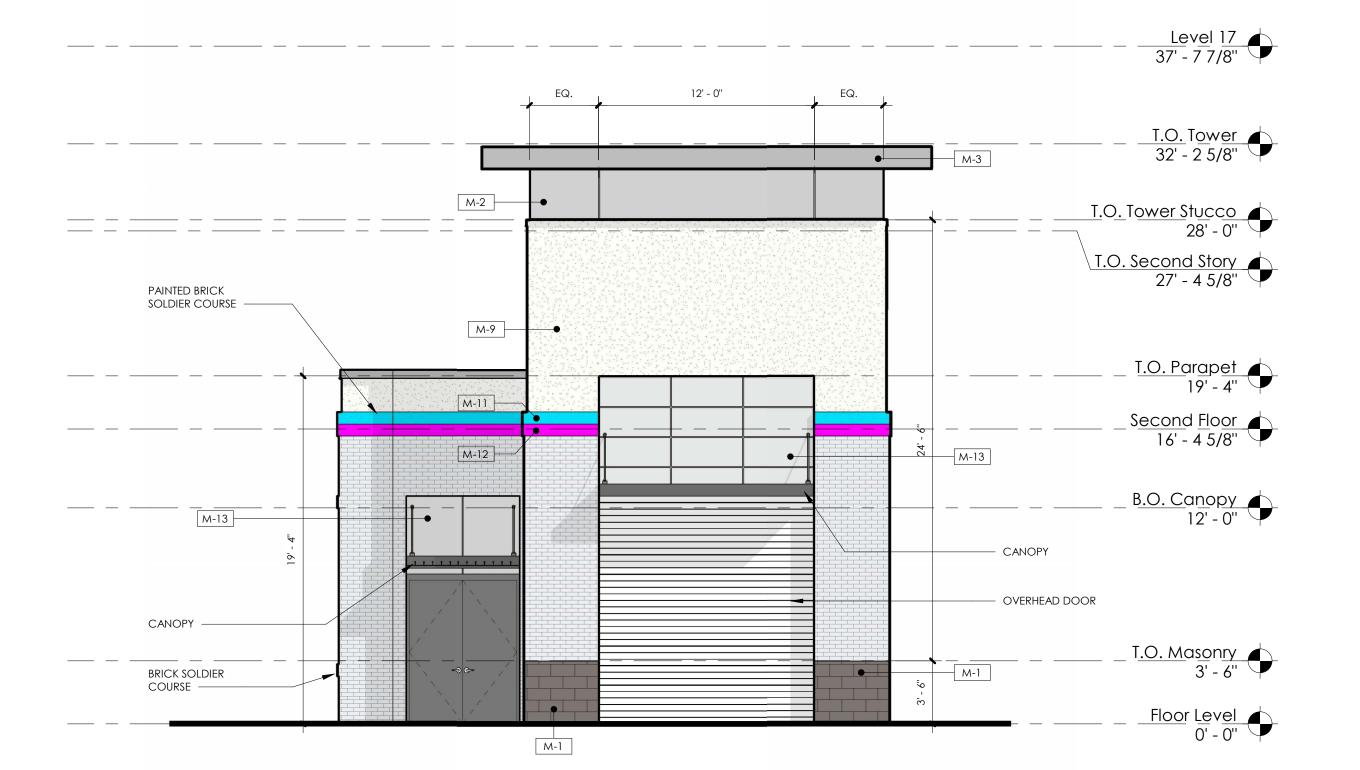
(MAGENTA)

DESCRIPTION: BRICK BASIS OF DESIGN: GLEN-GERY

M-6 <u>DESCRIPTION:</u> BRICK BASIS OF DESIGN: GLEN-GERY

* Transparency Requirements: Per Section 5.06 - Neighborhood Nodes District, section E.2.A states the transparency requirement apply to the first floor of a building only. Additionally, "Transparency Alternatives" may be used for up to 80% of the requirements on front facades when used in combination and the wall design may be used for up to 100% of the requirement for side street/yard requirements. ** Green Screens or planter walls count towards one of the wall design alternatives per Section 2.B.I.F.

- A. The additional 490 sq. ft. required to meet the 30% requirement is completed used the wall design alternatives. This takes into account a series of green living wall screens (f), variations in material module, pattern, and/or color (d), and a system of horizontal and vertical scaling elements such as : soldier courses, horizontal bands, and brick pilasters. The wall design alternative can account for up to 80% of the transparency requirement.
- South Facade. A. The additional 897.5 sq. ft. required to meet the 50% requirement is completed using the wall design alternatives and outdoor seating, which can account for 80% of the required transparent area. This takes into account a series of green living wall screens (f), variations in material module, patter, and/or color (d), and a system of horizontal and vertical scaling elements such as: soldier courses, horizontal bands, and brick pilasters. The wall design alternative can account for up to 710.5 sq. ft. while the outdoor seating accounts for the remaining.
- A. The West facade is covered by the percentage of glazing/door currently shown.
- A. The 413.5 sq. ft. required to meet the 50% requirement is completed used the wall design alternatives and outdoor seating at the corner. Transparency requirements may account for 80% of the required wall space. Glazing/Door space is required to be at least 82.7 sq. ft., which we meet. The Wall design alternatives take into account a series of green living wall screens (f), variations in material module, patter, and/or color (d), and a system of horizontal and vertical scaling elements such as : soldier courses, horizontal bands, and brick pilasters. The wall design alternative can account for up to 50% of the transparency requirement. The remaining square footage is covered by outdoor seating areas.

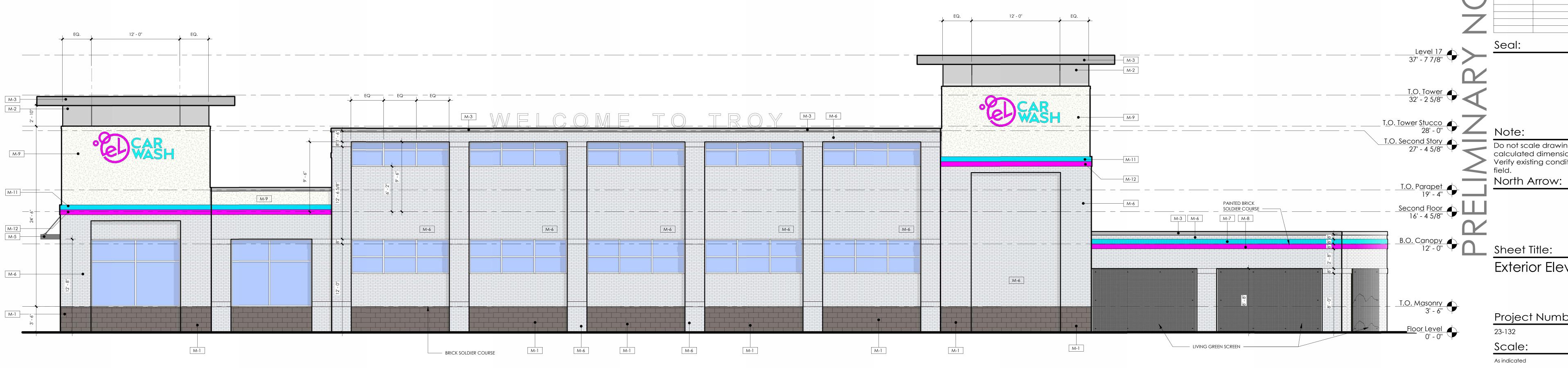


West Elevation

South Elevation

3/16" = 1'-0"

3/16" = 1'-0"



KRIEGER KLATT

2120 E. 11 Mile Rd. | Royal Oak, MI 48067 **P:** 248.414.9270 **F:** 248.414.9275 www.kriegerklatt.com

Client:

El Car Wash East Long Lake LLC 30200 Telegraph Rd, Suite 205 Bingham Farms, MI 48025

El Car Wash 2995 E. Long Lake Troy, MI 48085

> Issued 01.19.2024 05.23.2024 Site Plan Review 07.12.2024 08.02.2024 Site Plan Review 10.29.2024 Site Plan Review

Do not scale drawings. Use calculated dimensions only. Verify existing conditions in

North Arrow:

Exterior Elevations

Project Number:

Scale:

As indicated

Sheet Number:



















October 18, 2024

Brent Savidant
City of Troy Community Development Director
500 W Big Beaver Rd.
Troy, MI 48084

Dear Brent,

My name is Paula Kast and I am the Executive Director of the Jenna Kast Believe in Miracles Foundation, a grassroots nonprofit founded in Troy in 2005. For nearly 20 years we have been granting wishes for children with life-threatening illness in Michigan. We are deeply grateful for the ongoing support from the community that has made our work possible.

I'm writing to express my support for the construction of the new El Car Wash on Long Lake in Troy, MI. We are excited to welcome this business into our community and look forward to the opportunity for our non-profit to partner with them.

Additionally, we are eager to utilize the upstairs space for meetings and small events, which will further strengthen our collaboration. After speaking with Gabe and reviewing the plans, I believe this business will provide significant value to our community, not only through its services but also through its strong commitment to community involvement.

Thank you for your consideration of this project

Sincerely,

Paula Kast paula@believeinmiracles.org 248-633-5109 From: john kelly
To: Planning

Subject: Land Use Public Comment

Date: Monday, June 17, 2024 10:31:23 PM

You don't often get email from jkelly177@yahoo.com. Learn why this is important

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Subject: Land Use Public Comments El Carwash E. Long Lake

Planning@troymi.gov

As resident of Stoneridge Subdivision, I am concerned with the proposed building of a car wash in this area for several reasons:

- 1) <u>Safety</u>, the traffic at the intersection of Dequindre and E. Long Lake has significantly increased in the past couple of years. I have witnessed numerous accidents. I fear with vehicles pulling in and out at the corner, at a greater frequency than today, (i.e. the slower restaurant traffic) would increase the risk of more accidents. Also, a lot of pedestrians use the sidewalk, with the in and out traffic, the sidewalk would be constantly blocked.
- 2) Related to the first point, congestion would likely increase. As a Troy resident in the vicinity, I drive through this intersection on workdays and weekends. It is way too busy. The turn lanes at the intersection are many cars deep, it will only get worse with a constant flow of traffic pulling in and out (i.e. so close to the intersection). The traffic flow does not make sense.
- 3) Since I have lived in the Stoneridge, that corner has been a restaurant. My children have had fields trips from Wass Elementary to those restaurants. Other building/businesses, restaurants and medical offices, serve the local community. A car wash provides minimal benefit to this family-oriented subdivision.

Every car wash in the vicinity is in a more business / high traffic area. Some Examples

- 1) South Rochester Rd , before Big Beaver (Picanos)
- 2) Rochester Rd (Rochester Hill), north of M59, across from Target (Jax Kar)
- 3) Mound Rd South 17 mile (Ace Auto)
- 4) Recommend this corner be reserved for restaurants and offices.
- 5) Please respond if clarification is needed (including resident address)

Thank you

John Kelly Troy Resident Stoneridge Subdivision From: papadea
To: Planning

Subject: Car wash proposal

Date: Tuesday, June 25, 2024 5:16:18 PM

You don't often get email from papadea@aol.com. Learn why this is important

CAUTION: This email did not originate from within the City of Troy. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Planning Department, Planning Commission and City Council:

I am writing in opposition to the car wash being proposed at 2995 E Long Lake Rd in Troy. Car washes historically create a great deal of traffic as I am sure the traffic study will indicate. This intersection is extremely busy and dangerous. There are a great deal of cars speeding down Dequindre Road all day and night well in excess of the speed limit.

This property is currently zoned "N-N" or "Neighborhood Node" and would require a special land use for approval of the car wash. The Zoning Ordinance Section 9.03 lists the Special Use Standards that the project must meet for approval. Out of the 7 criteria items - the project would impact most of them especially Traffic Impact, Impact on the Overall Environment, Compatibility with Adjacent Uses and presumably the Master Plan.

We urge you to deny the development and look for a more suitable use.

Sincerely, Stratton and Denise Dorozenski Owners and residents of Avalon Meadows Condominioums 18 mile and Dequindre

Sent from my iPhone

ITEM #7

DATE: November 4, 2024

TO: Planning Commission

FROM: R. Brent Savidant, Community Development Director

SUBJECT: PRELIMINARY SITE PLAN REVIEW (SP JPLN2024-0016) – Proposed Elevate

Troy Mixed Use Development, South of Big Beaver, East of Todd (1787 & 1985 West Big Beaver; PIN 88-20-29-226-003, -002 & -020), Section 29, Currently

Zoned BB (Big Beaver) Zoning District

The petitioner Encore Big Beaver, LLC submitted the above referenced Preliminary Site Plan application for a mixed-use development featuring studio apartments, 1-2 bedroom apartments and restaurant. The Planning Commission is authorized to approve this Preliminary Site Plan.

The attached report prepared by Carlisle/Wortman Associates, Inc. (CWA), the City's Planning Consultant, summarizes the project. CWA prepared the report with input from various City departments including Planning, Engineering, Public Works and Fire. City Management supports the findings of fact contained in the report and the recommendations included therein.

Attachments:

- 1. Maps
- 2. Report prepared by Carlisle/Wortman Associates, Inc.
- 3. Anticipated Traffic Impacts, Memo prepared by OHM Advisors, dated June 25, 2024.
- 4. Preliminary Site Plan Application.

PROPOSED RESOLUTION

Resolution	#PC	-2024-	-11-
------------	-----	--------	------

Moved by: Support by:

RESOLVED, That Preliminary Site Condominium Approval, pursuant to Article 8 of the Zoning Ordinance, as requested for the proposed Somerset Park Apartments Administration and Learning Center and New Golf Cart Storage Garage, East of Coolidge, south of Big Beaver (2401 Golfview John R; PIN 88-20-29-176-002), Section 29, Currently Zoned MF (Multiple Family) Zoning District:

	1.	Relocate	dumpster	to a spa	ace that w	ill not im	pede traff	ic.
--	----	----------	----------	----------	------------	------------	------------	-----

	tion 13.03	oliant with S	screening com	enclosure	trash	Provide	2.
--	------------	---------------	---------------	-----------	-------	---------	----

) or
(denied, for the following reasons:) 01
(postponed, for the following reasons:)
Yes: No: Absent:	

MOTION CARRIED



GIS Online





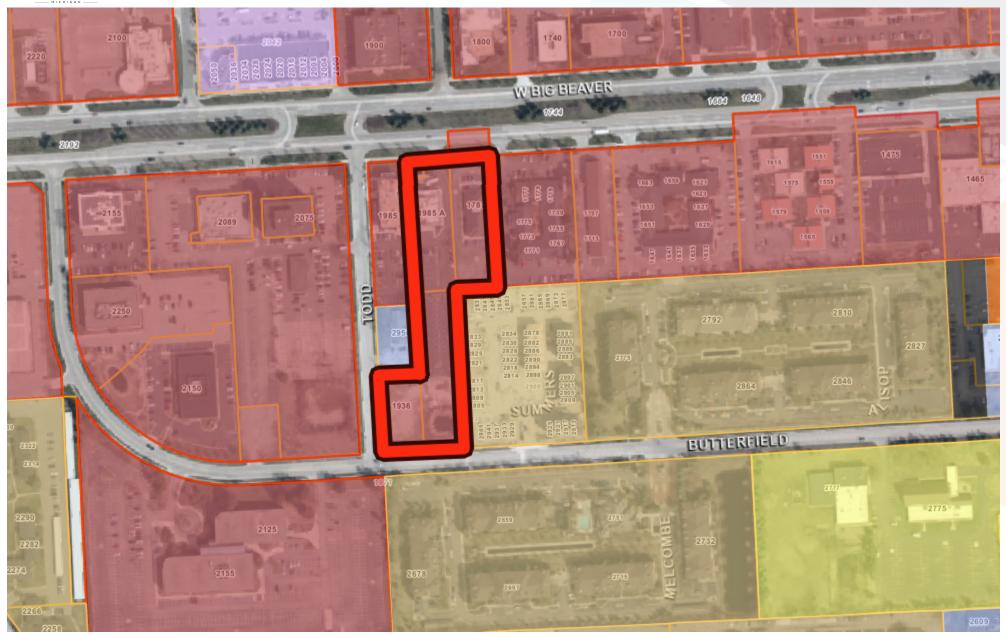
Print Date: 11/4/2024



Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.



GIS Online





Print Date: 11/4/2024



Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.



117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date:

July 9, 2024

October 16, 2024 November 4, 2024

For City of Troy, Michigan

Applicant: Jason Hamama (Encore Companies)

Project Name: Elevate Troy

Location: 1787 W Big Beaver Rd & 1985 W Big Beaver Rd

Plan Date: October 30, 2024

Zoning: BB, Big Beaver

Action Requested: Preliminary Site Plan Approval

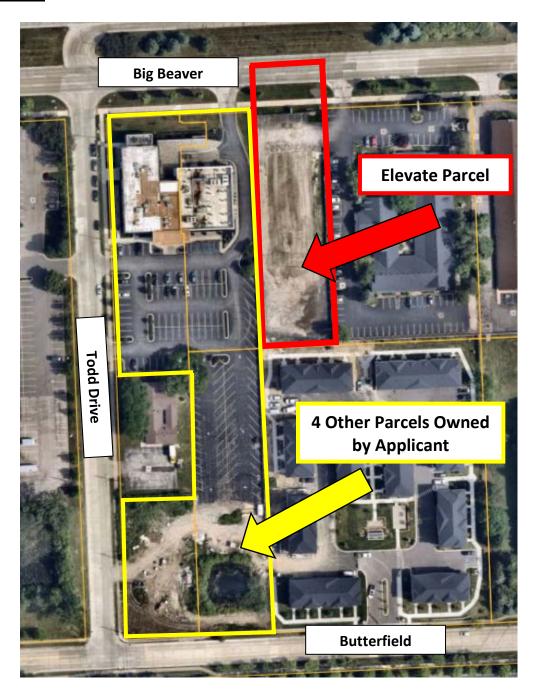
PROJECT AND SITE DESCRIPTION

An application has been submitted for a mixed-use development on Big Beaver, near the intersection of W Big Beaver and Todd Drive. The proposed development is 5-stories tall and includes a mix of retail and residential uses. On the first floor, two (2) retail storefronts abut Big Beaver and one (1) parking garage is connected directly behind. Above the parking garage, there are four (4) floors of luxury style apartments. Total building area is 105,543 square feet with a total of sixty-five (65) apartments.

While the new mixed-use building is located on one (1) parcel, the full project encompasses five (5) separate parcels. The applicant owns the subject parcel, as well as four (4) other nearby parcels. A shared parking agreement is proposed.

All five (5) parcels are zoned BB, Big Beaver Formed Based District and qualify as Site Type C. Big Beaver is "Street Type A" and Todd Drive is "Street Type C". Both retail and upper-story residential are permitted uses in this district.

Site Location:



Elevate Troy SPR November 4, 2024

Size of Subject Site:

0.83 acres.

Proposed Use of Subject Site:

5-story mixed-use building, including retail and residential apartments.

Current Zoning:

BB, Big Beaver Form Based District. Site Type C, Street Type A (Big Beaver).

Surrounding Property Details:

Direction	Zoning	Use
North	BB, Big Beaver	MLS & Co. Public Accountants
South	MF, Multiple Family	Center Court Luxury Townhomes
East	BB, Big Beaver	Heritage Square Office Suites
West	BB, Big Beaver	Benihana Steakhouse

NATURAL FEATURES

A tree inventory has been provided identifying thirty-four (34) trees on site. Of these thirty-four (34) trees, seven (7) are Woodland and zero (0) are Landmark trees. The applicant's tree replacement plan is compliant and outlined in the table below.

Replacement Details				
Protected Tree	Inches Removed	Replacement Required		
Landmark	0 inches	0 inches		
Woodland	30 inches	15 inches		
Preservation/Mitigation Inches Preserved Credit		Credit		
Landmark	0 inches	0 inches		
Woodland	43 inches	43 inches		
Total Zero (0) inches required for replacement.				

Items to be Addressed: None.

AREA, WIDTH, HEIGHT, SETBACKS

The site is regulated by dimensional standards of Building Form D:

	Required	Provided	Compliance
Front (Big Beaver)	10-foot build-to-line	10 feet	Complies
Side (east, west)	N/A, building may be placed up to property line	East: 10 feet West: N/A	Complies
Rear (south)	40 feet minimum	40 feet	Complies
Building Height	35 feet minimum, 66 feet maximum	5 stories, 69 feet	Complies. See description below
Open Space	15%	16.96%	Complies
Parking Location	Surface parking shall be located in a rear yard or side yard; parking for residential tenants may be provided in integrated garages or below-grade parking.	Parking located in side yard, integrated garage, and on separate parcels	See Discussion Below

Building Height:

Most of the building meets the building height requirement of sixty-six (66) feet. Section 7.08 allows roof structures to exceed the maximum building height by up to ten (10) feet where elevators and stairways are located. The applicant has confirmed that, where proposed, the additional three (3) feet are proposed where stairs and elevators are located.

Parking Location:

Primary parking for apartment residents is available in the first floor parking garage. Parking spaces for retail patrons are available in the side yard on the west side of the building. On three (3) additional parcels to the west and southwest, the applicant seeks shared parking for the subject site and adjacent mixed-use building including retail, office, and restaurant uses. The applicant owns all referenced parcels. See parking section for more information.

Items to be Addressed: None

PARKING

	Required	Provided	Compliance
Existing Building (Benihanas, J	eweler, Office)		
Retail: 1 space per 250 SF of gross floor area	6,207 SF/250= 25 spaces		
Restaurant: 1 space per each 2 seats based on max seating capacity	246 seats/2= 123 spaces		
Office: 1 space per 300 SF of gross floor area	13,414 SF/300= 45 spaces	272 spaces on site with 8 spaces	Seeking shared parking relief through the Planning
Proposed Building (Mixed Use)	proposed as	Commission.
Residential: 1 space per each efficiency unit + 2 spaces per each dwelling unit	13 efficiency*1= 13 + 52 dwelling*2= 104 = 117 residential spaces	parking on Todd	See Discussion Below
Retail: 1 space per 250 SF of gross floor area	5,149 SF/250= 21 spaces		
TOTAL REQUIRED			

The applicant owns the subject parcel, as well as four (4) other nearby parcels. Between these five (5) sites, there is a mix of residential, retail, office, and restaurant uses. The applicant proposes to utilize shared parking across these sites. We note that joint parking with abutting properties can be permitted under the condition that a shared parking agreement is provided in a form acceptable to the City Attorney and executed and recorded by the parties sharing the parking. Please note that the applicant is proposing 8 spaces along the Todd, a city owned street. They are asking to allow those 8 spaces to count towards their parking requirements.

A shared parking study was conducted by Tetra Tech and a Trip Generation Study was conducted by OHM. These studies are provided under separate cover and should be reviewed by the Planning Commission.

Barrier-Free and Bicycle Parking:

The proposed plan is compliant with barrier-free and bicycle parking requirements. Eight (8) barrier-free spaces are required and sixteen (16) have been provided. Two (2) spaces for bikes are required and six (6) have been provided.

Items to be Addressed: 1). Planning Commission evaluation of shared parking request; and 2). If the Planning Commission approves the shared parking request, a shared parking agreement shall be approved by the City Attorney.

ACCESS AND CIRCULATION

Vehicular Access:

The subject site currently has two (2) points of access: one (1) off Big Beaver and one (1) off Todd Drive. Overall, vehicular circulation is sufficient. However, more information is needed on the one-way drive heading northbound near the west side of the site. An aisle width of eleven (11) feet is provided in this area, but the angle of these parking spaces is unclear. We ask the applicant to confirm the angle of these spaces to ensure compliance with Table 13.06-B.

Pedestrian Access:

A sidewalk is proposed along the Big Beaver frontage and then continues in a relatively straight line through the center of the site (from the front to the rear). No sidewalk is provided along the west or south sides of the parking lot. With that said, safe pedestrian access throughout the large parking lot is minimal.

Items to be Addressed: 1). Confirm angle of the parking spaces where the 11-foot wide drive aisle is proposed (west side of the site).

TRAFFIC

OHM performed a Trip Generation Study and found that the amount of traffic generated from the proposed site will not provide excessive impacts to Big Beaver Road or the surrounding roadway network.

Items to be Addressed: None.

LANDSCAPING

A landscape plan has been provided on Sheet L-1.0. The following table discusses the development's compliance with the landscape requirements set forth in Section 13.02.

	Required	Provided	Compliance
Greenbelt			
1 tree per every 30 lineal feet of frontage	Big Beaver: 106 LF/30= 4 trees	Big Beaver: 4 trees	
	Butterfield: 212 LF/30= 7 trees	Butterfield: 7 trees	Complies

	Todd Dr: 200 LF/30= 7 trees	Todd Dr: 7 trees	
Parking Lot Trees			
1 tree per every 8 parking spaces	173 spaces/8 = 22 trees	22 trees	See Discussion Below
Tree Replacement			
Woodland: for trees with DBH 6 inches or larger, 50% of the original DBH removed Landmark: 100% of original DBH removed	30 inches Woodland trees removed = 15 inches replacement	43 inches Woodland preservation credit	Complies
Overall Site Landscaping			
A minimum of 20% of the site area shall be comprised of landscape material.	36,289 SF * 20% = 7,257.8 SF	12,743 SF	Complies

Parking Lot Trees:

The applicant proposes a total of twenty-two (22) parking lot trees, with approximately seven (7) located along the lot perimeter. Parking lot trees should be arranged in curbed islands within the parking lot; although, the Planning Commission has the authority to approve landscaping at the perimeter of the parking lot. Section 13.02.C.2.d. states the following:

"An equivalent amount of landscape plantings at the perimeter of parking lots may be approved where landscaping within parking lots would be impractical due to the size of the parking lot, detrimental to safe and efficient traffic flow, or would create an unreasonable burden for maintenance and snowplowing, provided all other landscaping requirements are met."

Please note that any additional requirement will require the removal of parking spaces, which would impact the shared parking agreement.

Stormwater Retention/Detention:

A stormwater management plan has been provided on Sheet C-8.0 and is being reviewed by the City Engineer.

Trash Enclosure:

An internal trash room located on the west side of the building will be used by apartment residents. Additionally, an outdoor dumpster is shown west of the apartment building, behind the Benihana restaurant. We have concerns about the opening of this trash enclosure encroaching into the drive aisle. The applicant should consider relocating the dumpster to a space that will not impede traffic.

Elevate Troy SPR November 4, 2024

Lastly, the applicant proposes to screen the dumpster with shrubs; however, Section 13.03 requires trash containers to be screened with a wall and gate, constructed of durable material compatible with the architectural materials used in the site development. Screening shrubs may be used in addition to the required durable materials.

Mechanical Equipment:

All mechanical equipment is located internally. No screening is required.

Items to be Addressed: 1). Planning Commission evaluation of perimeter parking lot trees; 2). Relocate dumpster to a space that will not impede traffic; and 3). Provide trash enclosure screening compliant with Section 13.03.

PHOTOMETRICS

Four (4) types of downward-directed light fixtures are proposed throughout the site, in the parking garage, around the retail stores, and across the parking lot. All proposed fixture heights and lighting levels throughout the site comply with ordinance standards.

Items to be Addressed: None.

FLOOR PLAN AND ELEVATIONS

The proposed mixed-use development is 5-stories tall and includes two (2) retail storefronts and sixty-five (65) luxury apartments.

First Floor (22,331 SF):

The first floor is mostly comprised of two (2) retail storefronts abutting Big Beaver and one (1) parking garage connected directly behind. The first floor also includes the apartment lobby, trash room, retail lobby room, and a maintenance room.

Second Floor (22,166 SF):

Seventeen (17) apartment units are provided on the second floor. The applicant proposes a mix of studio, one (1) bedroom, and two (2) bedroom style apartments. Other rooms on the second floor include a trash room, co-working room, gym, locker room with restroom and sauna, common space, and an outdoor terrace.

Third Floor & Fourth Floor (22,166 SF each):

The third and fourth floors are largely arranged in the same manner. Each floor has twenty-one (21) units including studio, one (1) bedroom, and two (2) bedroom style apartments. Each floor also has a trash room and two (2) closets off the hallway.

Fifth Floor (15,714 SF):

The fifth floor has six (6) penthouse style apartments. The fifth floor also features a 1,927 square foot game room and speakeasy, 286 square foot "private room", and a large outdoor terrace which wraps around most of the floor perimeter.

Apartment Sizes by Unit Type:

• Studio: 628-641 SF

One-bedroom: 860-975 SF
Two-bedroom: 1,083-1,179 SF
Penthouse: 1,753-2,058 SF

Elevations:

Overall building height is 5-stories, 69 feet.

Building Materials:

Several building materials are proposed for the Elevate exterior. Proposed materials include burnished CMU veneer, stone veneer, metal panels, and metal coping, as well as glazed windows, full-lite entry doors, full-lite overhead (parking garage) doors, and a curtain wall system. Full-lite doors refer to doors comprised of mostly glass with a frame around the perimeter. A curtain wall system is normally used to protect a building exterior from natural elements. Proposed colors include black and light gray.

Items to be Addressed: None.

TRANSPARENCY REQUIREMENTS

Facade	Transparency Required	Provided	Compliance	
North (Big Beaver) (Ground Floor)	575.5 SF * 50%= 287.75 SF	428 SF	Complies	
West	1,754 SF* 30%= 526.2 SF	451 SF + 398 SF with Wall Design Alternatives (b), (c), and (d)	Complies with approval of transparency alternative.	

The table above displays transparency calculations provided by the applicant. To fulfill transparency requirements for the west side façade, the applicant proposes the use of transparency alternatives (b), (c), and (d):

- (b) System of horizontal and vertical scaling elements such as: belt course, string courses, cornice, and pilasters.
- (c) System of horizontal and vertical reveals not less than one (1) inch in width/depth.

• (d) Variations in material module, pattern, and/or color.

Items to be Addressed: 1). Planning Commission consideration of wall design alternatives.

COLORED RENDERINGS





DESIGN STANDARDS AND SITE PLAN REVIEW STANDARDS

The Big Beaver design standards as well as Site Plan review standards provide the Planning Commission with direction when reviewing the proposed site plan and design features of this development.

Section 5.04.E. outlines Design Standards:

- 1. Building Orientation and Entrance
- 2. Ground Story Activation
- 3. Transitional Features
- 4. Site Access, Parking, and Loading

Please see Section 5.04.E for standard details.

Section 8.06 outlines Site Plan Review Design Standards.

- 1. Development shall ensure compatibility to existing commercial districts and provide a transition between land uses.
 - a. Building design shall enhance the character of the surrounding area in relation to building and parking placement, landscape and streetscape features, and architectural design.
 - b. Street fronts shall provide a variety of architectural expression that is appropriate in its context and prevents monotony.
 - c. Building design shall achieve a compatible transition between areas with different height, massing, scale, and architectural style.
- 2. Development shall incorporate the recognized best architectural building design practices.
 - a. Foster a lasting impact on the community through the provision of high quality design, construction, and detailing.
 - b. Provide high quality, durable materials, such as but not limited to stone, brick, glass, and metal. E.I.F.S. or material equivalent shall only be used as an accent material.
 - c. Develop buildings with creativity that includes balanced compositions and forms.
 - d. Design roofs that are appropriate to the architectural style of the building and create an appropriate visual exterior mass of the building given the context of the site.
 - e. For commercial buildings, incorporate clearly defined, highly visible customer entrances using features such as canopies, porticos, arcades, arches, wing walls, ground plane elements, and/or landscape planters.
 - f. Include community amenities that add value to the development such as patio/ seating areas, water features, art work or sculpture, clock towers, pedestrian plazas with park benches or other features located in areas accessible to the public.
- 3. Enhance the character, environment and safety for pedestrians and motorists.
 - a. Provide elements that define the street and the pedestrian realm.
 - b. Create a connection between the public right of way and ground floor activities.
 - c. Create a safe environment by employing design features to reduce vehicular and pedestrian conflict, while not sacrificing design excellence.
 - d. Enhance the pedestrian realm by framing the sidewalk area with trees, awnings, and other features.
 - e. Improve safety for pedestrians through site design measures.

SUMMARY

Overall, we strongly support the Troy Elevate development as it adds a vertical mixed-use element to the Big Beaver corridor. As part of the discussion, the Planning Commission should consider the following items:

- 1. Compliance with Section 5.04.E. Big Beaver Design Standards
- 2. Compliance with Section 8.06 Site Plan Review Design Standards
- 3. Planning Commission evaluation of shared parking request
- 4. If the Planning Commission approves the shared parking request, a shared parking agreement shall be approved by the City Attorney.
- 5. Planning Commission evaluation of perimeter parking lot trees.
- 6. Planning Commission consideration of wall design alternatives.

If the Planning Commission approves the project, we recommend the following conditions:

- 1. Confirm angle of the parking spaces where the 11-foot wide drive aisle is proposed (west side of the site).
- 2. Relocate dumpster to a space that will not impede traffic.
- 3. Provide trash enclosure screening compliant with Section 13.03.

Sincerely,

CARLISLE/WORTMAN ASSOC., INC. Benjamin R. Carlisle, AICP, LEED AP

President

CARLISLE/WORTMAN ASSOC., INC.

Shana Kot

Community Planner



memorandum

Date: June 25, 2024

To: Scott Finlay, PE

From: Stephen Dearing, PE, PTOE & Lauren Hull, EIT

Re: Proposed Elevate Troy Development

The Elevate Troy development is proposed on the southwest corner of Big Beaver Road and Crooks Road in conjunction with an existing site. The existing site contains a building with 6,207 square-feet of retail, a restaurant with 246 seats, and a 13,414 square-foot office space. The proposed site contains 2,462 square-feet of retail, a restaurant with 50 seats, 52 studio / one-bed apartment units, and 38 two-bed / penthouse apartments. This proposed site will have four access points. Of these access points, one is proposed along Todd Drive just north of Butterfield Road. There is an existing access point along Big Beaver Road that is being modified, while the remaining two are existing along Todd Dr and not being modified.

To determine the expected trips generated from this site, ITE's Trip Generation website was used. Given the variety of uses within the proposed site, multiple land use codes were utilized. Land use code 221 – Multifamily Housing (Mid-Rise) was used since the building is proposed to have 5 stories. Land use code 932 - High-Turnover (Sit-Down) Restaurant was used for the restaurant. Lastly, land use code 851 – Convenience Store was used for the proposed retail space. The convenience store land use code was assumed for the proposed retail space since it has a high average rate to be conservative and fits well within the proposed square footage shown on the site.

Table 1. Trips Generated

	AM Peak			PM Peak			
	In	Out	Total	In	Out	Total	
52 Apartments	4	15	19	13	8	21	
19 Apartments	2	5	7	5	3	8	
50 Seats	12	11	23	11	9	20	
2,462 sft	77	77	154	62	59	121	
Total	95	108	203	91	79	170	

As shown in the table above, all of the land use codes provide a minimal addition in trips to the surrounding network, except for the proposed retail. Note that the proposed retail may produce less trips than expected once an exact land use code is determined. With multiple available driveways for proposed development traffic to use, traffic will disperse and find the most effective way in and out of the site.

Overall, the amount of traffic generated from this proposed site will not provide excessive impacts to Big Beaver Road or the surrounding roadway network.

CODE DATA

DESCRIPTION

SUBMITTALS

CHAPTER 3 USE AND OCCUPANCY

MIXED USE

CODES

ADDRESS: 1787 W Big Beaver Troy, MI 48084
PROPERTY ID: 88-20-29-226-003

ELECTRICAL 2023 NEC (PART 8 AMMENDMENTS) -

___ TENANT IMPROVEMENT

5 STORY MIXED-USE DEVELOPMENT COMPOSED OF RETAIL/FOOD TENANTS AND SURFACE PARKING ON THE IST FLOOR, WITH 4 STORIES OF MULTI-FAMILY RESIDENTIAL ABOVE TO INCLUDE A ROOFTOP DECK & LOUNGE AMONG

PRIMARY USE WITH ACCESSORY MULTI STORY
NON SEPARATED MIXED USE SINGLE STORY

ADDITION

BUILDING 2015 MICHIGAN BUILDING CODE ACCESSIBILITY 2009 ICC ANSI A117.1 FIRE 2015 INTERNATIONAL FIRE CODE ACCESSIBILITY 2015 MBC - CHAPTER IS

MECHANICAL 2021 MICHIGAN MECHANICAL CODE ENERGY 2015 MICHIGAN ENERGY CODE PLUMBING 2021 MICHIGAN PLUMBING CODE ENERGY 2013 ASHREA STANDARD 90.1 ELECTRICAL 2023 NATIONAL ELECTRIC CODE REHAB 2015 MICHIGAN REHAB CODE

FIRE PROTECTION FIRE ALARM INTERIOR ELEMENTS MEP CONVEYANCE PRE-ENG. TRUSSES PRE - ENG. BUILDING -

☐ FACADE RENOVATION

FIRST FLOOR = A2 / B / S1

SECOND FLOOR = A2 / B / R2 THIRD FLOOR = R2FOURTH FLOOR = R2

	SEE CHAPTER 5 DATA	THIRD FLOOR = R2
OCCUPANCY CLASSIFICATION	AI AZ A3 A4 A5 B E FI F2 HI H2 H3 H4 H5 II IZ IZ IZ I4 M RI R2 R3 R4 SI S2 U -	FOURTH FLOOR = R2 FIFTH FLOOR = A2 / R2
CHAPTER /	DETAILED REQUIREMENTS PER OCCUPANCY	
DETAILED	THIS CHAPTER IS NOT APPLICABLE	
REQUIREMENTS	APPLICABLE AS NOTED	
	GENERAL BUILDING AREA AND HEIGHTS	
BUILDING Height	│	FIRST FLOOR = IA
	CHAPTERS 4 AND 5 ALLOWABLE HEIGHT 75'-O" ACTUAL HEIGHT 69'-O"	FLOOR 2 - 5 = IIB
	ALLOWABLE STORIES 5 ACTUAL STORIES 5	
FRONTAGE	FRONTAGE INCREASE NOT APPLIED FRONTAGE INCREASE APPLIED PER CALCULATION	
INCREASE	☐ - ☐ IF = (F/P - 0.25) W/30 =	
	IF = [692/692 - 0.25] 30/30 = 0.75	
MIXED OCCUPANCY	USE SEPARATION NOT REQUIRED - TO - = - RATING - TO - = - RATING	
SEPARATION	☐ USE SEPARATION REQUIRED ☐ - TO - = - RATING ☐ - TO - = - RATING SEE TABLE TO THE RIGHT	
BUILDING	SINGLE STORY MOST RESTRICTIVE USE R2 ACTUAL BUILDING AREA	
AREA	MULTI-STORY TABULAR VALUE - FIRST FLOOR 22,331 SF	
	MULTI-STORY TABULAR VALUE - FIRST FLOOR 22.331 SF SINGLE OCC. FRONTAGE INCREASE 48.000 THIRD FLOOR 22.741 SF SINGLE OCC. / ACCESSORY TOTAL ALLOWABLE 48.000 THIRD FLOOR 22.741 SF	
	MIXED OCC. NON-SEPARATED MIXED OCC. SEPARATED ALLOWABLE AREA	
	☐ UNLIMITED AREA BUILDINIG ☐ PER FLOOR 48,000	_
	PODIUM STYLE BUILDING TOTAL BUILDING 113,295 TOTAL 113,295 SF	
CHAPTER 6	TYPES OF CONSTRUCTION	
CONSTRUCTION	☐ IA ☐ IB ☐ IIA ☐ IIB ☐ IIIA ☐ IIIB ☐ IV ☐ VA ☐ VB	-
TYPE	COMBUSTIBLE NON-COMBUSTIBLE PROTECTED UNPROTECTED	
FIRE RATING NF	PRIMARY STRUCTURAL FRAME OHR .5 HR 1 HR 1.5 HR 2 HR 3 HR BEARING WALLS - EXTERIOR OHR .5 HR 1 HR 1.5 HR 2 HR 3 HR	-
BUILDING	BEARING WALLS - INTERIOR OHR .5 HR 1 HR 1.5 HR 2 HR 3 HR	
ELEMENTS	NON BEARING WALL - EXTERIOR OHR .5 HR 1 HR 1.5 HR 2 HR 3 HR FLOOR CONSTRUCTION OHR .5 HR 1 HR 1.5 HR 2 HR 3 HR	
	ROOF CONSTRUCTION O HR5 HR 1 HR 1.5 HR 2 HR 3 HR	
FIRE RATING	☐ LESS THAN 5 FT ☐ D HR ☐ 1 HR ☐ 2 HR ☐ 3 HR ☐ NORTH	
OF EXTERIOR WALL	☐ 5 FT TO LESS THAN IO FT ☐ O HR ☐ I HR ☐ 2 HR ☐ 3 HR ☐ EAST ☐ IO FT TO LESS THAN 30 FT ☐ O HR ☐ I HR ☐ 2 HR ☐ 3 HR ☐ SOUTH	
LATENIUN WALL	OVER 30 FT OHR 1 HR 2 HR 3 HR WEST	
	7 FIRE AND SMOKE PROTECTION	
SHAFT ENCLOSURES	│	-
LINGLUGUINLG	NOT LESS THAN ASSEMBLY PENETRATED	
FIRE RATED	☐ FIRE WALL (FW) ■ ELEVATOR SHAFT (FB) ■ STAIRWAY ENCLOSURE (FB)	-
ASSEMBLIES	EXIT PASSAGEWAY (FB) CONTROL AREAS (FB) CCC. SEPARATION (FB) FIRE AREA SEPARATION (FB) GROUP R SEPARATIONS (FP) ELEVATOR LOBBY (FP)	
	MALL TENANT WALLS (FP) CORRIDOR WALLS (FP) SMOKE BARRIER (SB)	
	SMOKE PARTITION (SB) FLOOR ASSEMBLY ROOF ASSEMBLY ACCESSIBLE CONCEALED SPACE SIGNAGE REQUIRED EXTERIOR WALL	
THERMAL AND SOUND INSULATION	MUST MEET ASTM FLAME SPREAD FS<25 SMOKE DENSITY SD<450	-
2001 INZOLATION	E84 or UL 723	
CHAPTER 8	BINTERIOR FINISHES	
INTERIOR FINISH	CLASS A FS=0-25 SD=0-450 LOCATION A3 R2	-
MATERIALS	CLASS B FS=26-75 SD=0-450 EXIT ENCLOSURE & PASSAGEWAY B C	
	CLASS C FS=76-200 SD=0-450 CORRIDORS & EXIT ACCESS B C ROOM AND ENCLOSED SPACES C C	
СПУВТЕВ С) FIDE DDATECTION SVSTEMS	
CHAPTER S	FIRE PROTECTION SYSTEMS PROVIDED NFPA 13	<u> </u>
SAZLEW	□ NOT REQUIRED □ NOT PROVIDED □ NFPA 13 R	
	☐ DEFERRED SUBMITTAL ☐ NFPA 13 D	
FIRE ALARM SYSTEM	REQUIRED PROVIDED DEFERRED SUBMITTAL NOT REQUIRED NOT PROVIDED	-
STOTEM		
CHAPTER 1	0 MEANS OF EGRESS	
MINIMUM NUMBER	☐ 1 EXIT : - ☐ 3 EXIST - OCC. LOAD PER STORY 501-1000	-
OF EXITS REQUIRED	2 EXITS - OCC. LOAD PER STORY LIMITED TO 500 🔲 4 EXITS - OCC LOAD PER STORY OVER 1,000	
EXITS PROVIDED	1 4	
MAXIMUM	75 FT	
TRAVEL DISTANCE	TRAVEL DISTANCE PROVIDED - SEE DIAGRAMS ON LIFE SAFETY DIAGRAMS	
MINIMUM	2 PER OCCUPANT = 4.2" 50 OCCUPANTS OR MORE = 44" 49 OCCUPANT OR LESS = 36	-
CORRIDOR WINTH	3 PER OCCUPANT = 50 OCCUPANTS OR MORE = 44" 49 OCCUPANT OR LESS = 36	-
CORRIDOR WIDTH MINIMUM	NOT APPLICABLE	
MINIMUM STAIR WIDTH		
MINIMUM STAIR WIDTH	☐ 1 STORY - ACCESS VIA LADDER ☐ MINIMUM I ROOF HATCH	-
MINIMUM		-
MINIMUM STAIR WIDTH	☐ 1 STORY - ACCESS VIA LADDER ☐ MINIMUM 1 ROOF HATCH ☐ LESS THAN 4 STORIES ABOVE GRADE ☐ EXTEND ONE STAIR MINIMUM	-



STATEMENT OF SELECTED DESIGN PROFESSIONA

THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE MICHIGAN CONSTRUCTION CODES IN EFFECT AT THE TIME OF PERMIT SUBMITTAL. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES ISSUED AND APPROVED CODE MODIFICATIONS AND/OR MUNICIPAL CONSTRUCTION BOARDS OF APPEALS RULINGS AND WHENEVER REQUIRED SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS CLEARLY DESCRIBING COMPLIANCE TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.

PETER STUHLREYER. A.I.A. MICHIGAN IDENTIFICATION # 44668 **DESIGNHAUS ARCHITECTURE**

REVISION NOTES

ENCORE COMPANIES 1985 W BIG BEAVER RD., SUITE 300 TROY. MI 48084 T: 248.509.4773 CONTACT: JASON HAMAMA

CIVIL ENGINEER

DESIGNHAUS ARCHITECTURE 3300 AUBURN RD. AUBURN HILLS, MI 48326 T: 248.601.4422 F: 248.453.5854 PROJECT MANAGER: SAL LORENZANO PROJECT ARCHITECT: PETER STUHLREYER, A.I.A

PEA GROUP 1849 POND RUN AUBURN HILLS, MI 48326 T: 248.689.9090 CONTACT: JAMES P. BUTLER, PE

INDEX OF DRAWINGS

1787 W Big Beaver Troy, MI 48084

Elevate Troy

Title Sheet & Index Topographic Survey Preliminary Site Layout & Paving Plan Preliminary Grading Plan Preliminary Utility Plan Stormwater Management Plan **Underground Detention Details** Preliminary Landscape Plan Landscape Specifications

Tree Preservation Plan

Site & Site Photometric Architectural Site Plan Photometric Site Lighting Plan

Architectural

First Floor Plan Second Floor Plan Third Floor Plan □ □ □ □ A1.4 Fourth Floor Plan Fifth Floor Plan Elevations Enlarged Studio Unit Plans Enlarged 1-Bedroom Unit Plans Enlarged 2-Bedroom Unit Plans Enlarged 2-Bedroom Unit Plans

□ □ □ □ A10.0 ☐ ☐ A10.1

A4.10

Enlarged Penthouse I Unit Plans Enlarged Penthouse J Unit Plans Enlarged Penthouse K Unit Plans Enlarged Penthouse L Unit Plans Enlarged Penthouse M Unit Plans Enlarged Penthouse N Unit Plans

Graphic Illustrations Graphic Illustrations

Index 8 Elevate Troy 1787 W Big Beaver Troy, MI 48084 Sheet

EST 1998

SPA Re-Submittal 2

SPA Re-Submittal

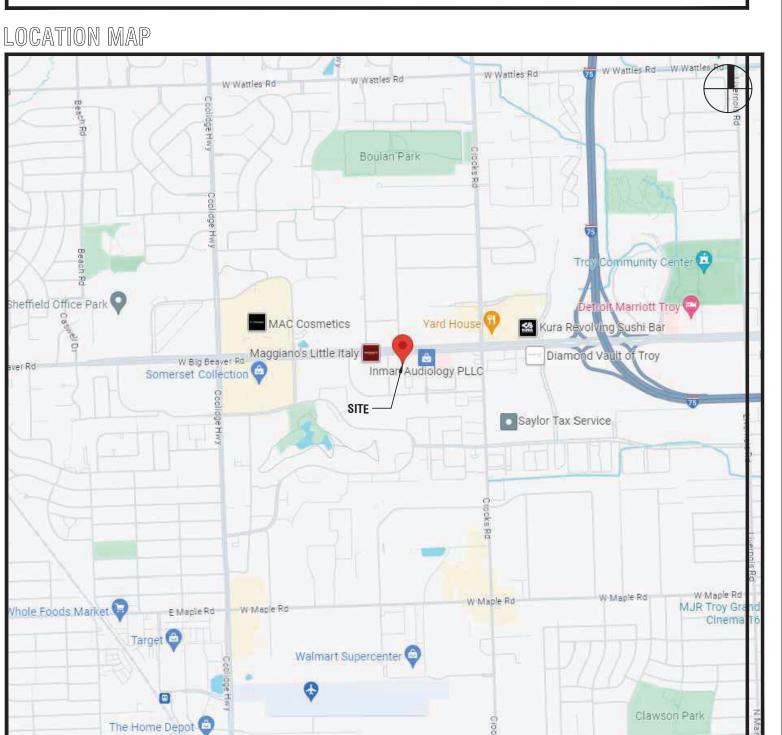
Pre-App Meeting

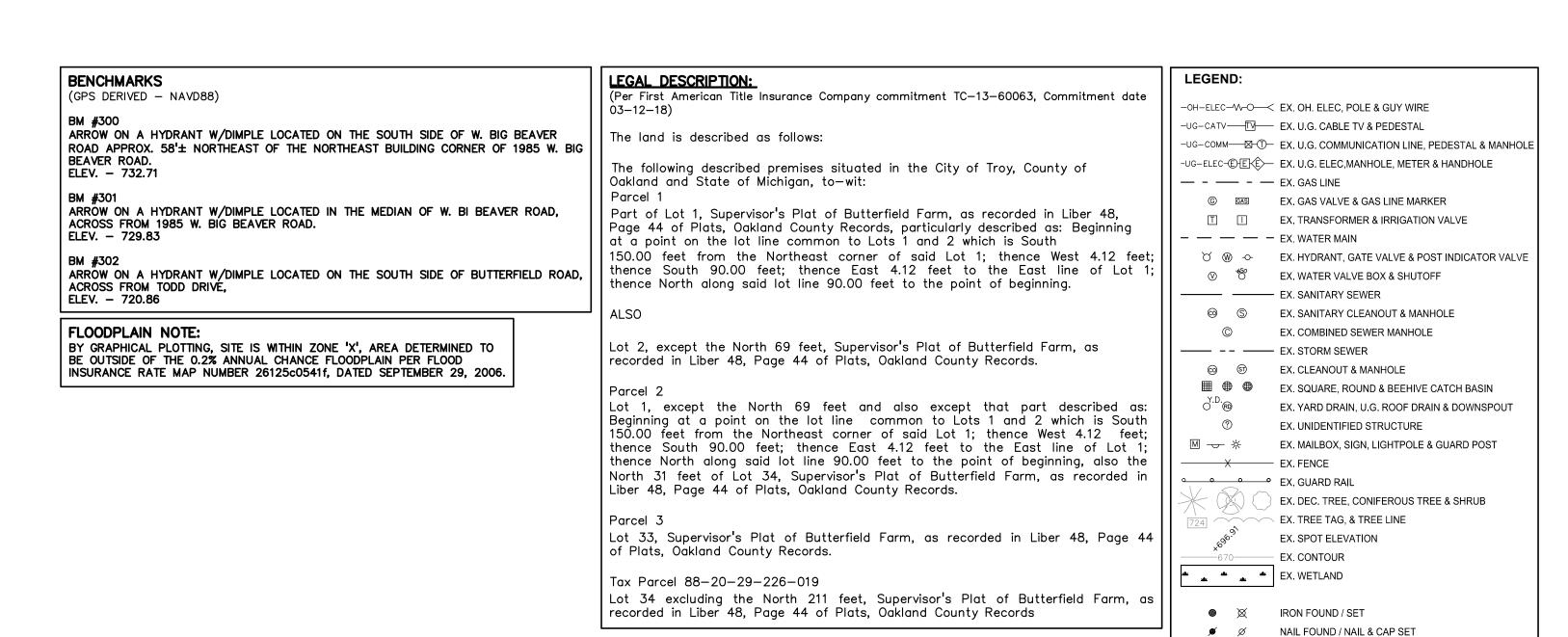
ISSUANCE

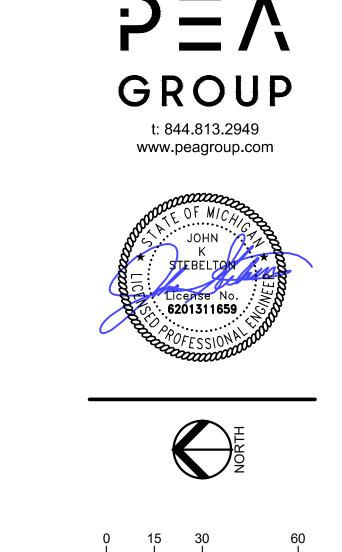
Site Plan Approval 05/10/24

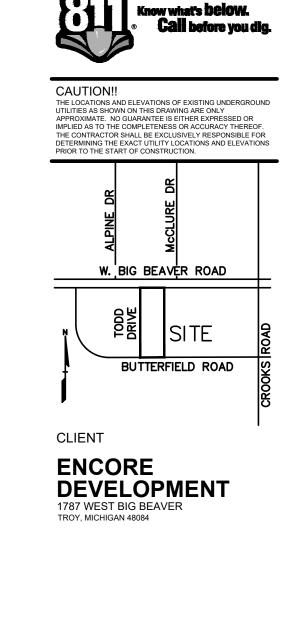
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SCALE: 1" = 30'

PROJECT TITLE **ELEVATE TROY MIXED USE** DEVELOPMENT CITY OF TROY, MICHIGAN

REVISIONS

CITY COMMENTS

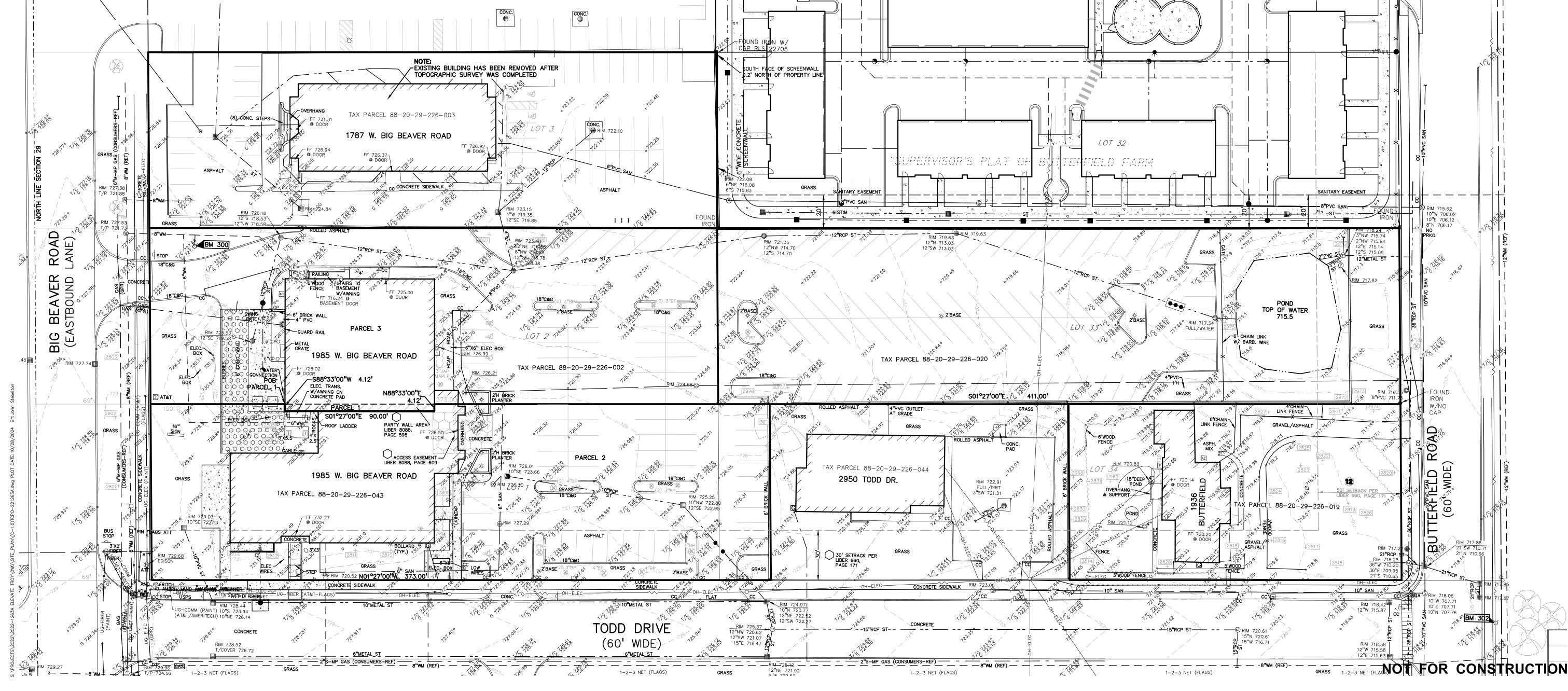
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10-24-24

ORIGINAL ISSUE DATE: MAY 13, 2024 DRAWING TITLE

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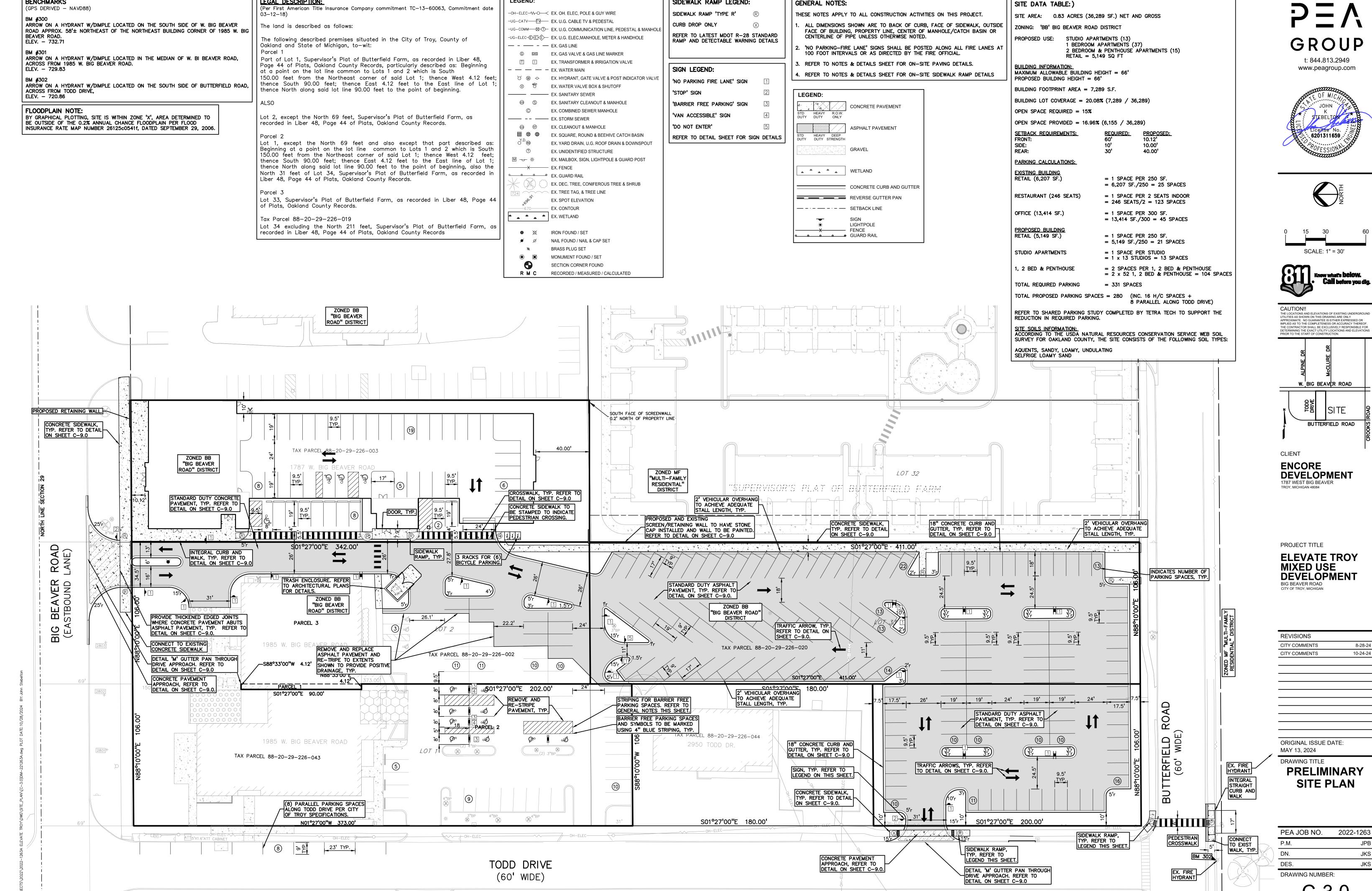
PEA JOB NO. 2022-1263 DRAWING NUMBER:



BRASS PLUG SET

MONUMENT FOUND / SET SECTION CORNER FOUND R M C RECORDED / MEASURED / CALCULATED

(a)



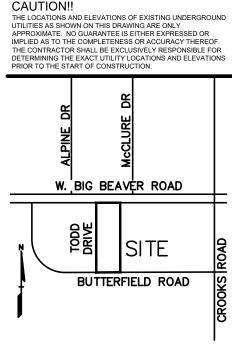
SIDEWALK RAMP LEGEND:

GENERAL NOTES:

LEGEND:

LEGAL DESCRIPTION:

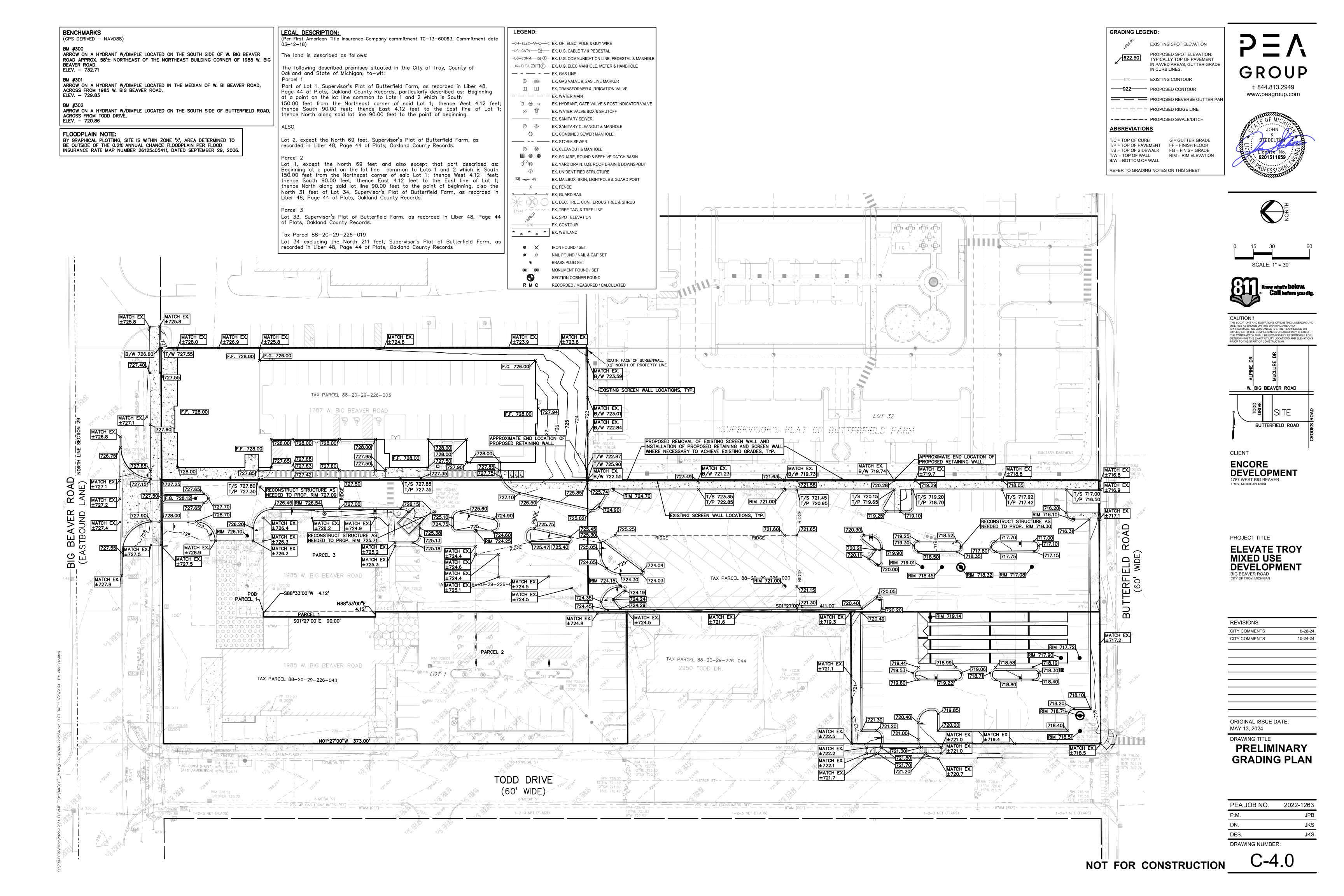
BENCHMARKS

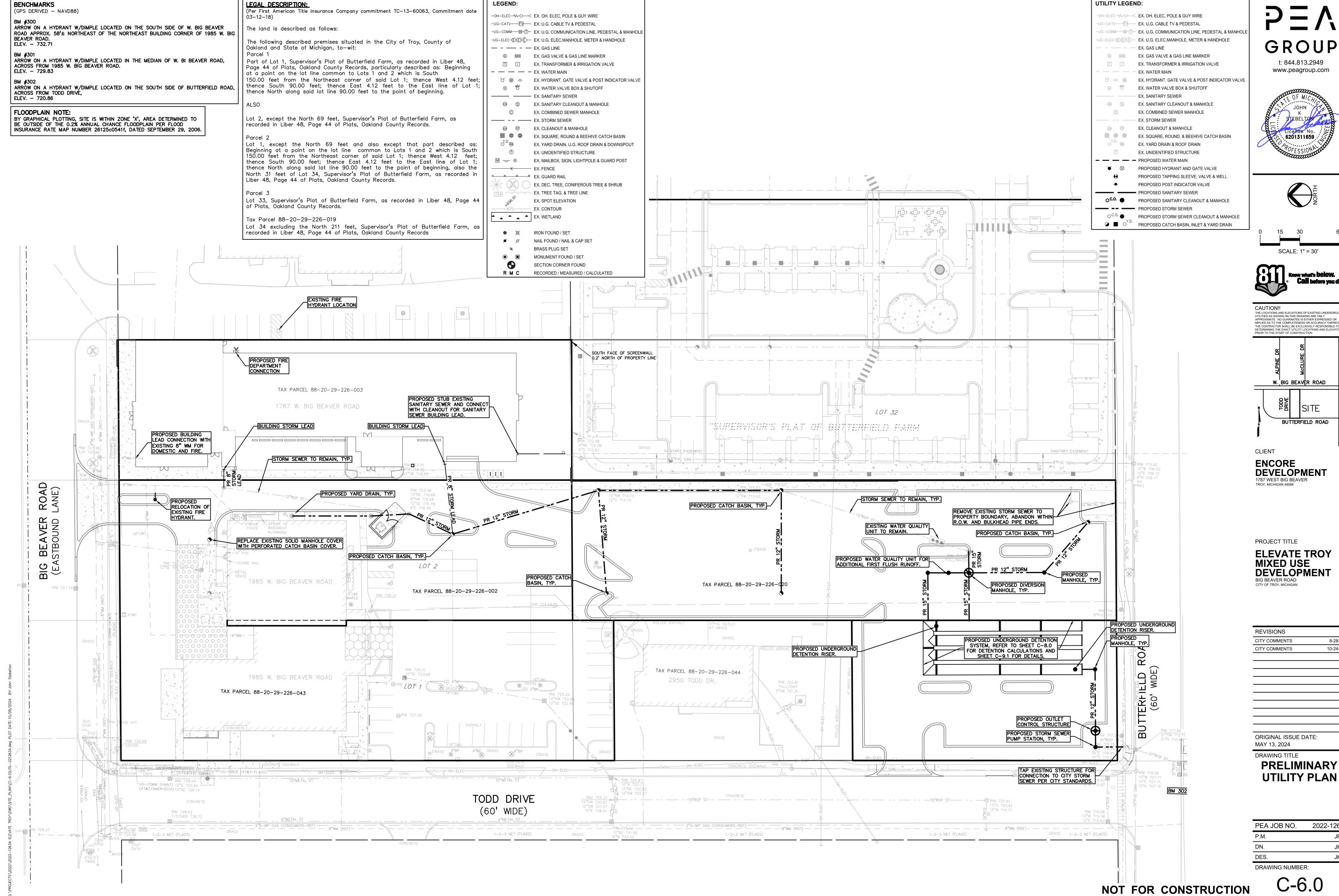


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CITY COMMENTS	8-28-24
CITY COMMENTS	10-24-24
ORIGINAL ISSUE DATE: MAY 13, 2024	
DRAWING TITLE	

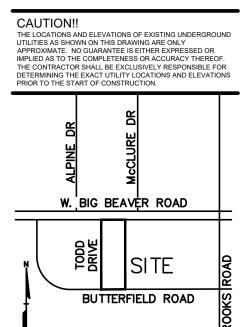
JKS JKS

NOT FOR CONSTRUCTION





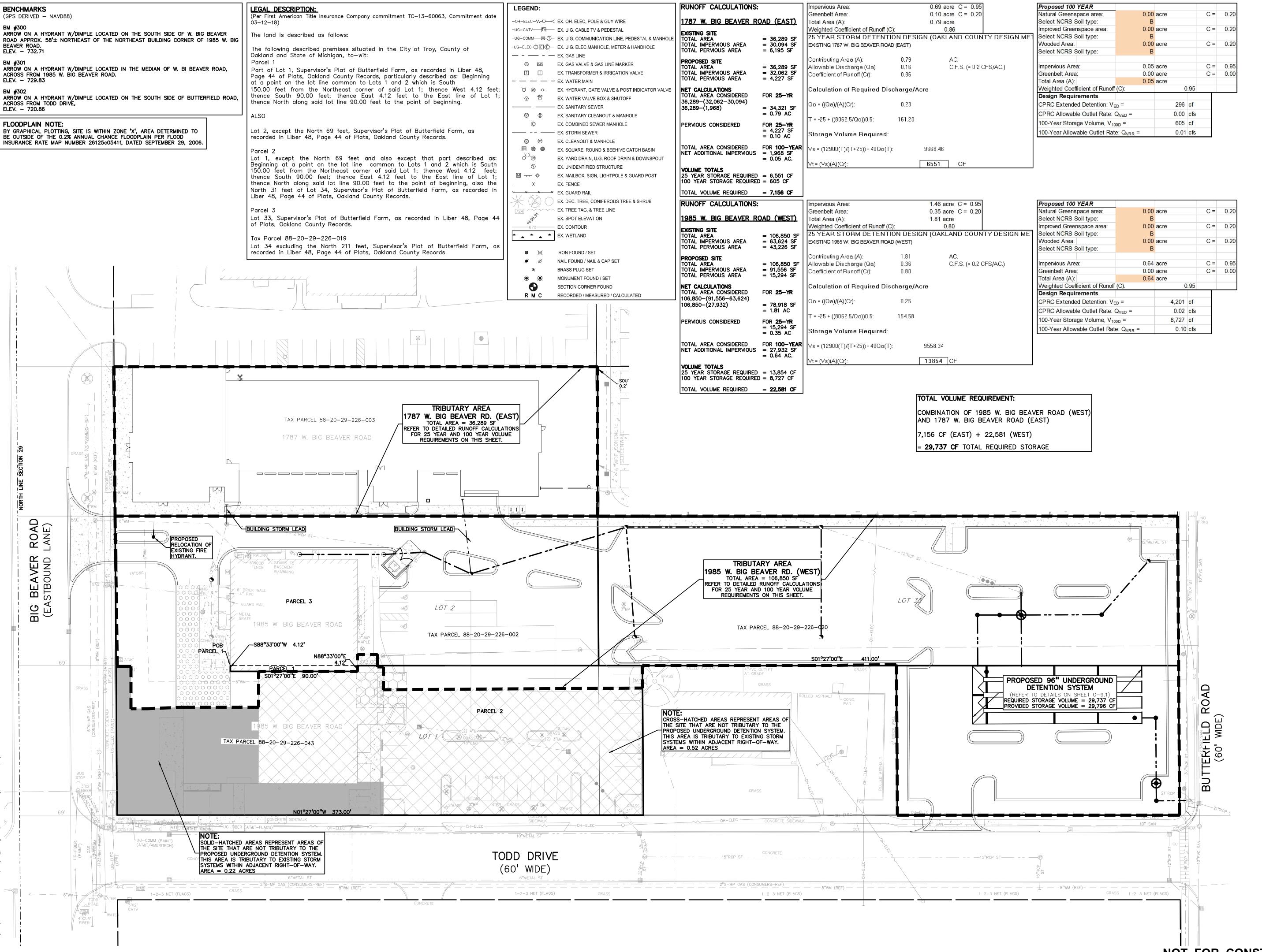




REVISIONS	
CITY COMMENTS	8-28-24
CITY COMMENTS	10-24-24

UTILITY PLAN

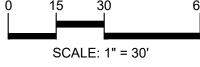
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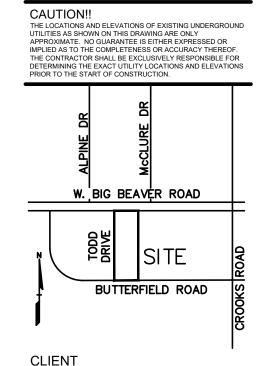
PEA GROUP t: 844.813.2949 www.peagroup.com











ENCORE DEVELOPMENT 1787 WEST BIG BEAVER TROY, MICHIGAN 48084

PROJECT TITLE

ELEVATE TROY
MIXED USE
DEVELOPMENT
BIG BEAVER ROAD
CITY OF TROY, MICHIGAN

	NS	REVISIO
8-28-	MENTS	CITY COM
10-24-2	MENTS	CITY COM
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STORMWATER
MANAGEMENT
PLAN

ORIGINAL ISSUE DATE:

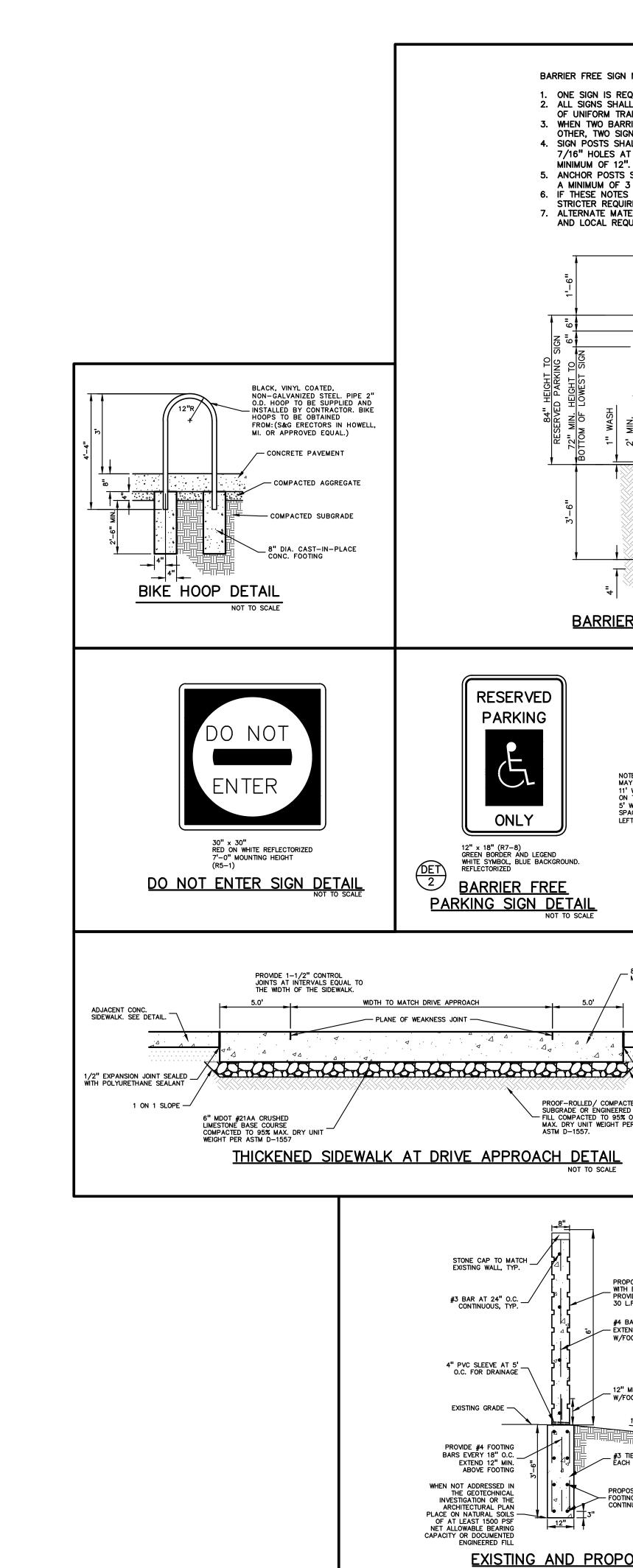
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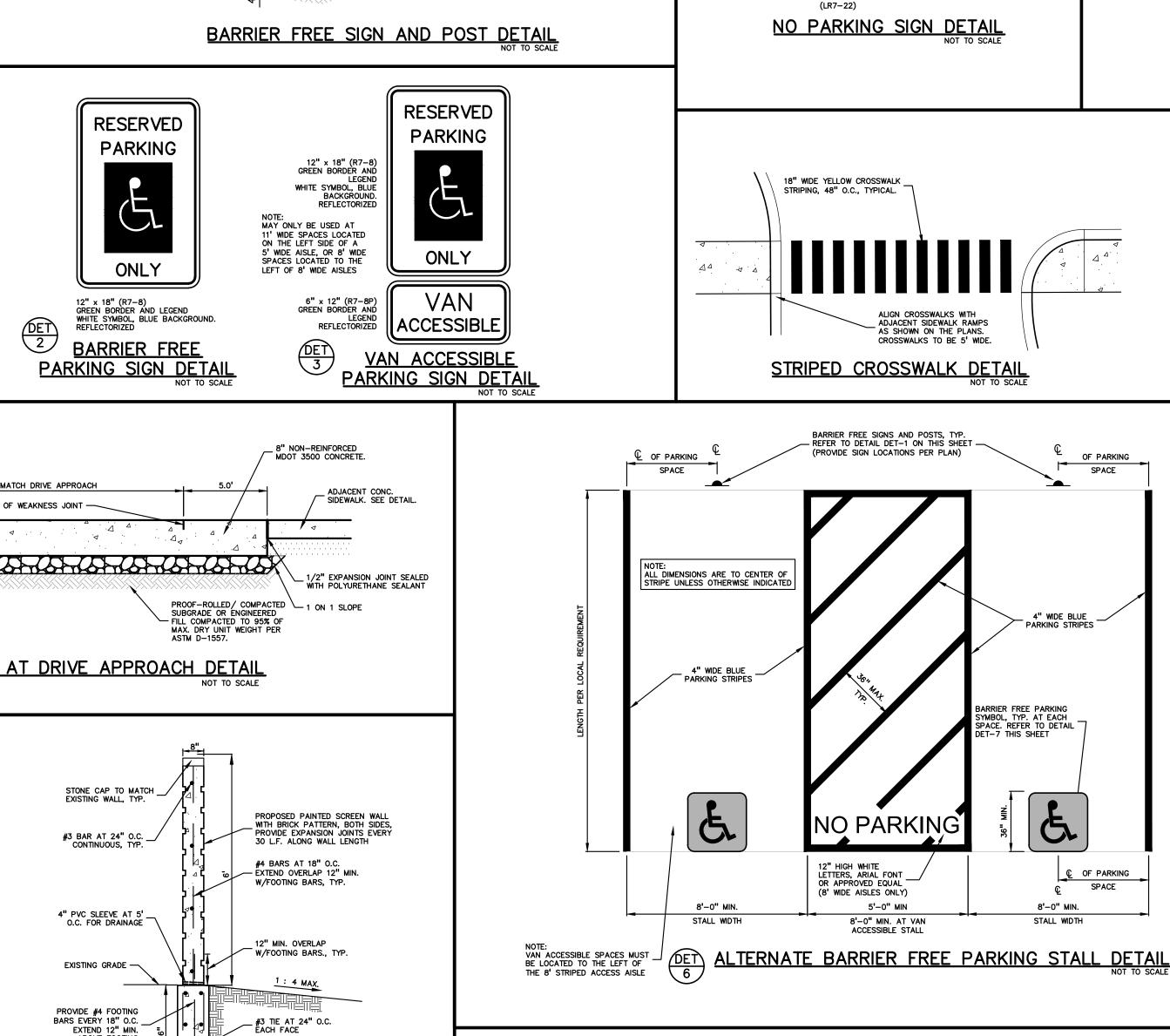
PEA JOB NO. 2022-1263
P.M. JPB
DN. JKS

DES. JK

DRAWING NUMBER:

NOT FOR CONSTRUCTION





- 10 1/2" -

BARRIER FREE SIGN NOTES:

MINIMUM OF 12".

ONLY

STONE CAP TO MATCH _ EXISTING WALL, TYP.

#3 BAR AT 24" O.C. CONTINUOUS, TYP.

4" PVC SLEEVE AT 5' O.C. FOR DRAINAGE

EXISTING GRADE -

BARS EVERY 18" O.C. EXTEND 12" MIN. ABOVE FOOTING

PROPOSED CONCRETE

— FOOTING WITH 4 — #5 BARS,
CONTINUOUS EACH FACE

EXISTING AND PROPOSED CONCRETE SCREEN WALL DETAIL
NOT TO SCALE

WHEN NOT ADDRESSED IN

WHEN NOT ADDRESSED IN
THE GEOTECHNICAL
INVESTIGATION OR THE
ARCHITECTURAL PLAN
PLACE ON NATURAL SOILS OF AT LEAST 1500 PSF
NET ALLOWABLE BEARING
CAPACITY OR DOCUMENTED
ENGINEERED FILL

A MINIMUM OF 3 FEET LONG.

AND LOCAL REQUIREMENTS.

STRICTER REQUIREMENT SHOULD BE USED.

ONE SIGN IS REQUIRED AT EACH BARRIER FREE PARKING SPACE.

OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD).

2. ALL SIGNS SHALL COMPLY WITH THE LATEST STANDARDS OF THE MICHIGAN MANUAL

OTHER, TWO SIGNS ARE REQUIRED, BUT CAN BE MOUNTED ON THE SAME POST.

4. SIGN POSTS SHALL BE 2" NOM. SQUARE 14-GAUGE GALVANIZED STEEL TUBE WITH 7/16" HOLES AT 1" CENTERS. POSTS SHALL TELESCOPE INSIDE ANCHOR POSTS A

5. ANCHOR POSTS SHALL BE 2.25" NOM. SQUARE 12-GAUGE GALVANIZED STEEL POST,

6. IF THESE NOTES AND DETAILS CONFLICT WITH LOCAL CODES AND ORDINANCES, THE

12"x18" x 0.080" ALUMINUM BARRIER FREE PARKING SIGN (R7-8). BOLT SIGN

TO STEEL TUBE WITH %" CADMIUM PLATED BOLTS, NUTS, AND WASHERS. 6"x12" x 0.080" ALUMINUM VAN - ACCESSIBLE SIGN (R7-8P) WHERE APPLICABLE.

SECONDARY/PENALTY SIGNAGE

PER JURISDICTIONAL
REQUIREMENTS WHERE APPLICABLE

2"x2"x.188" GALVANIZED STEEL TUBE EXTEND INTO CONCRETE FILLED PIPE

6" DIA, SCHEDULE 40 GALVANIZED STEEL PIPE

IN PAVED AREA OR SIDEWALK). PROVIDE

ROUNDED WASH AT TOP OF CONCRETE FILL

WITH 1% FINISHED SLOPE. PAINT BOLLARD WITH

2 COATS OF SAFETY YELLOW PAINT, OR

PROVIDE YELLOW BOLLARD SLEEVE..

FILLED WITH CONCRETE (WHEN SIGN IS LOCATED

BOLLARD A MINIMUM OF 2'-0".
PROVIDE WELDED WATERTIGHT CAP.

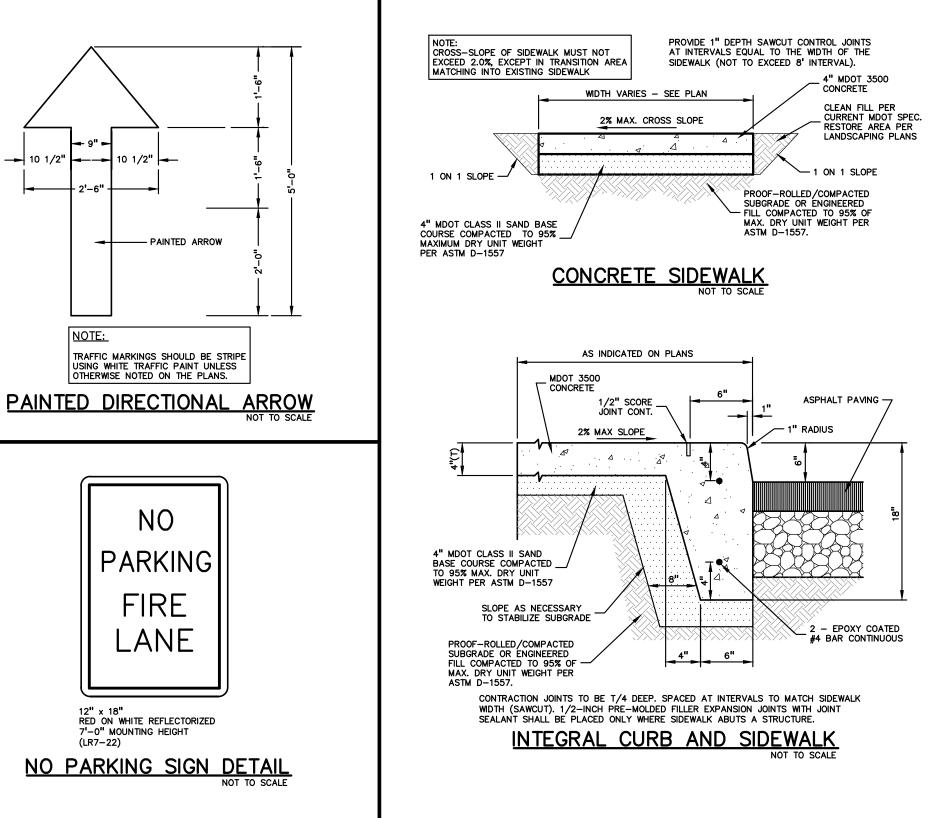
18" DIA. CONCRETE FOOTING USING - M.D.O.T. 'P1' CONCRETE, 3500 PSI, 6AA OR APPROVED EQUAL

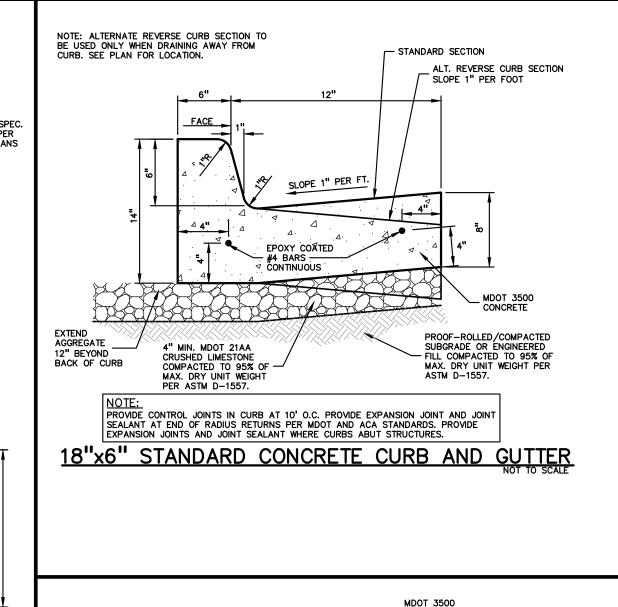
INSTALL BREAKAWAY TUBE POST - IN SIGN LOCATIONS WHERE PIPE BOLLARD IS NOT REQUIRED.

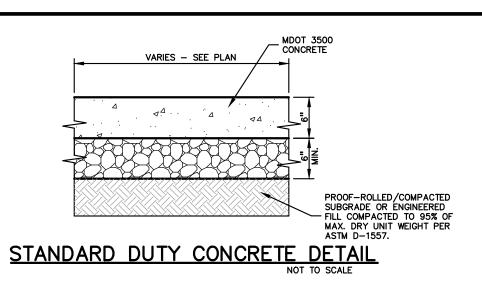
- PAVEMENT SURFACE

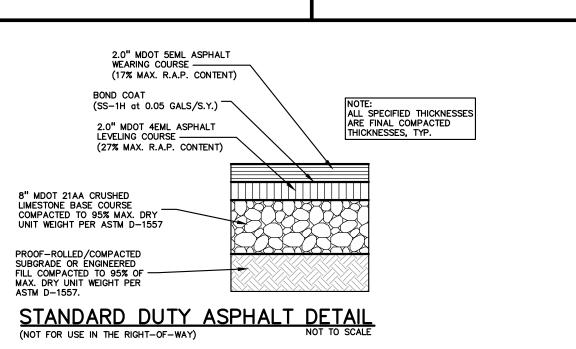
7. ALTERNATE MATERIALS MAY BE USED IF IN COMPLIANCE WITH A.D.A. GUIDELINES

3. WHEN TWO BARRIER FREE PARKING SPACES ARE ADJACENT AND FACING EACH

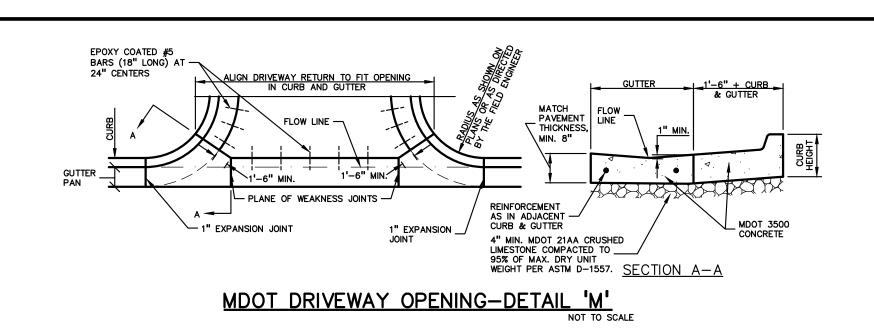








AGGREGATE BASE NOTE: THIS PAVEMENT SECTION DESIGN ASSUMES THE USE OF MDOT 21AA CRUSHED LIMESTONE BASE MATERIAL THAT MEETS THE REQUIREMENTS OF MDOT STANDARD SPECIFICATION SECTION 902 FOR AGGREGATES. IF CRUSHED CONCRETE AGGREGATE BASE IS PROPOSED IN LIEU OF THE SPECIFIED CRUSHED LIMESTONE MATERIAL. PEA			ASP	HALT MIX DESIGN	CHART	
GROUP WILL REQUIRE A MINIMUM 25% INCREASE IN BASE THICKNESS. HOWEVER, IF TESTING DOCUMENTATION IS PROVIDED TO PEA GROUP THAT SHOWS THAT THE CRUSHED CONCRETE MATERIAL MEETS ALL REQUIREMENTS OF MDOT SPECIFICATION SECTION 902, THEN THE 25% INCREASE IN THICKNESS MAY BE REEVALUATED.	CYÉR, IF COMMERCIAL CONTINUE ADT	COMMERCIAL ADT 301-1000	COMMERCIAL ADT 1001-3400	COMMERCIAL ADT ≥3401	APPLICATION RATE (LB/YD²), MINIMUM – MAXIMUM	COURSE APPLICATION
	2EL	2EML	2EMH	2EH	435-550	BASE
ASPHALT MATERIAL NOTES: HOT-MIX ASPHALT MIXTURES UTILIZING RECYCLED ASPHALT PAVEMENT (RAP) MUST	3EL	3EML	ЗЕМН	3EH	330-410	BASE AND/OR LEVELING
MEET MDOT SPECIAL PROVISION 12SP501(E). THE BINDER GRADE FOR THIS WORK IS PG64-28. IF ASPHALT MIXES CONTAINING RAP ARE TO BE SUPPLIED FOR THIS	4EL	4EML	4EMH	4EH	220-275	LEVELING AND/OR TOP
PROJECT, THE ASPHALT BINDER MUST BE REVISED PER MDOT 'TIER 1' OR 'TIER 2' REQUIREMENTS (RAP CONTENT UP TO 27% MAXIMUM). TIER 3 MIXES ARE NOT	5EL	5EML	5EMH	5EH	165-220	TOP
ACCEPTABLE ON THIS PROJECT. AN ASPHALT MIX DESIGN FOR ALL SPECIFIED MIXES SHOULD BE FORWARDED TO PEA GROUP FOR REVIEW PRIOR TO CONSTRUCTION	PG 58-28	PG 64-28	PG 64-28	PG 70-28P		



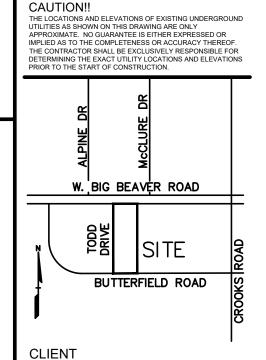
GROUP t: 844.813.2949











ENCORE DEVELOPMENT 1787 WEST BIG BEAVER

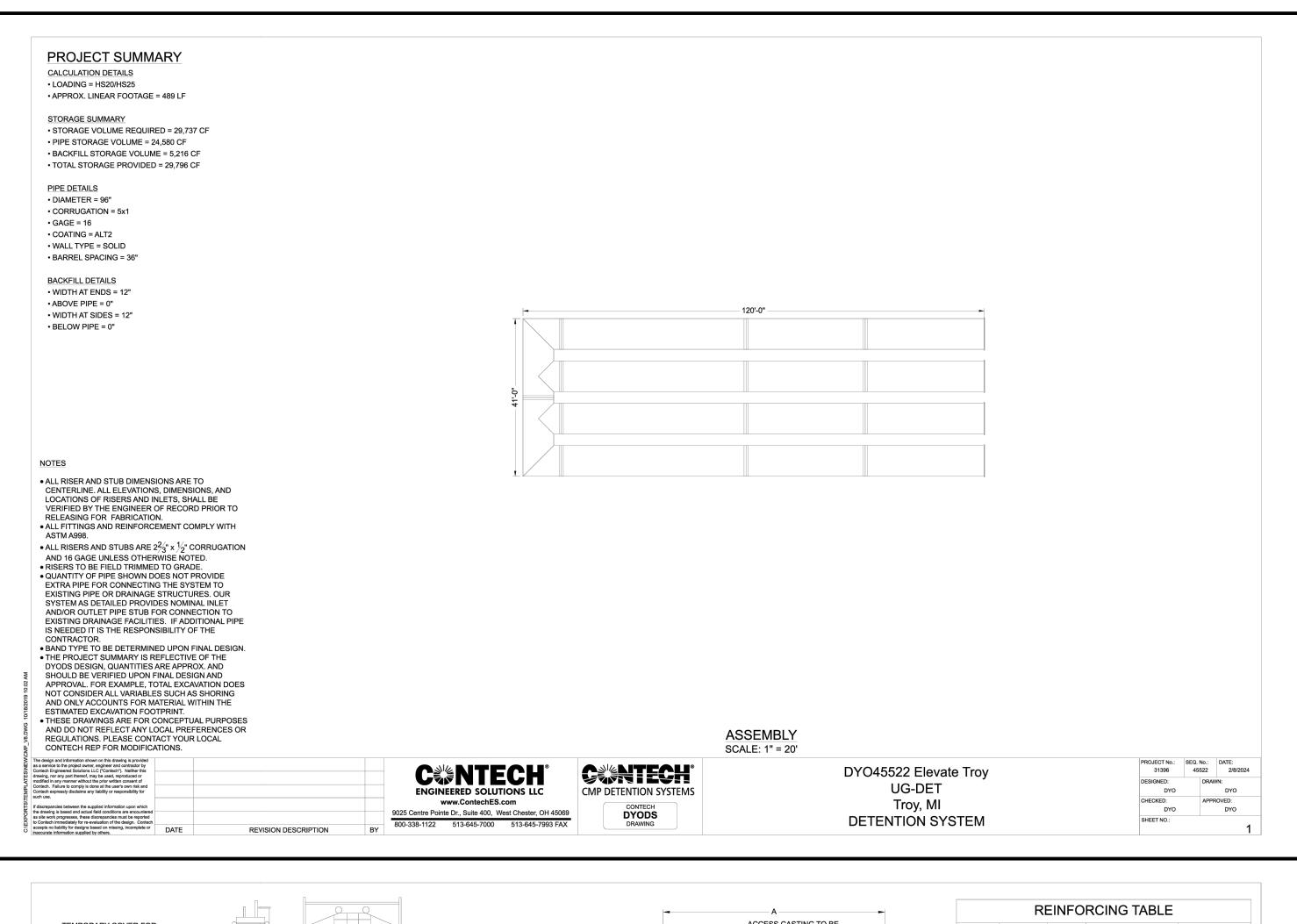
PROJECT TITLE **ELEVATE TROY** MIXED USE DEVELOPMENT

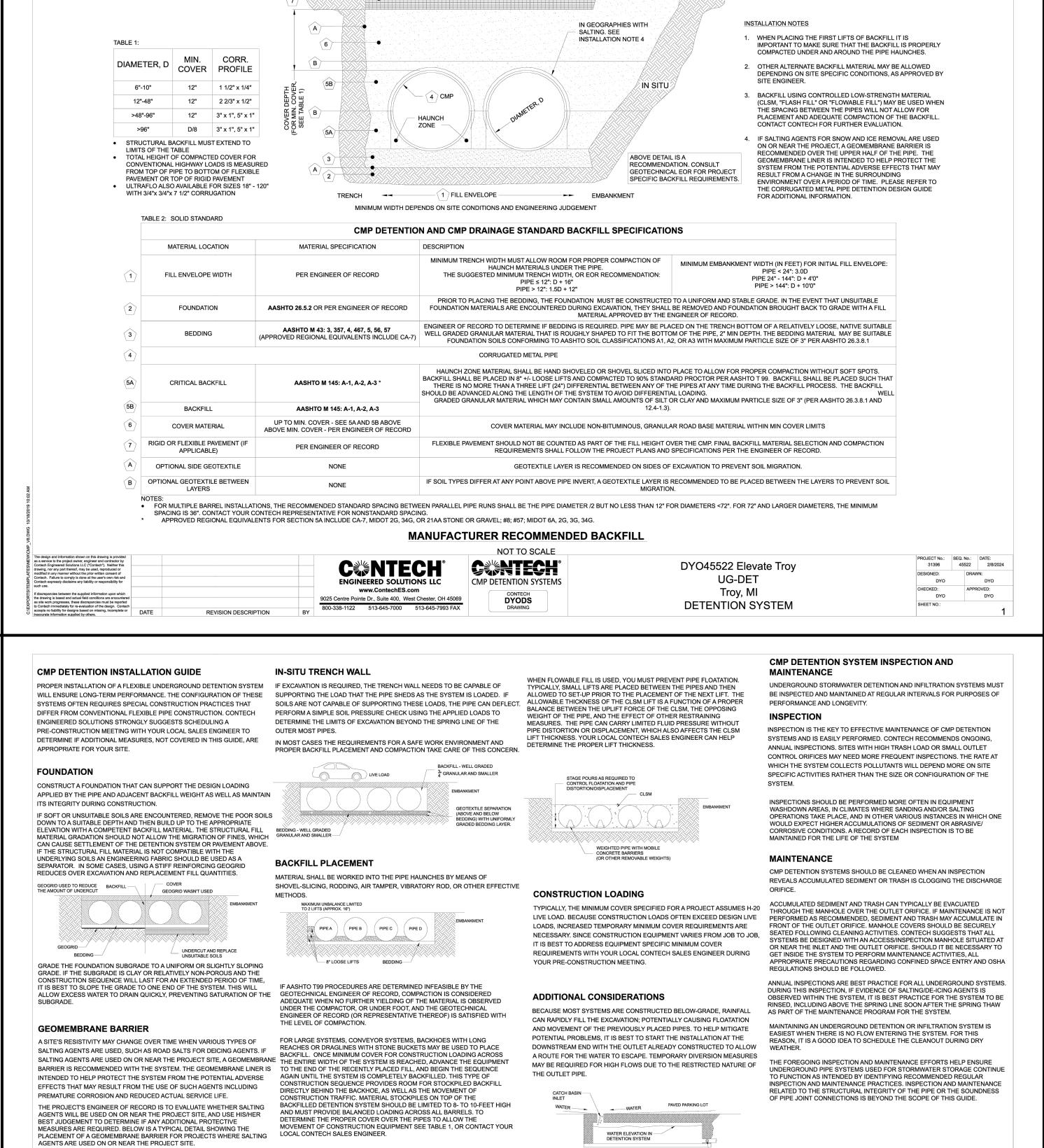
BIG BEAVER ROAD CITY OF TROY, MICHIGAN

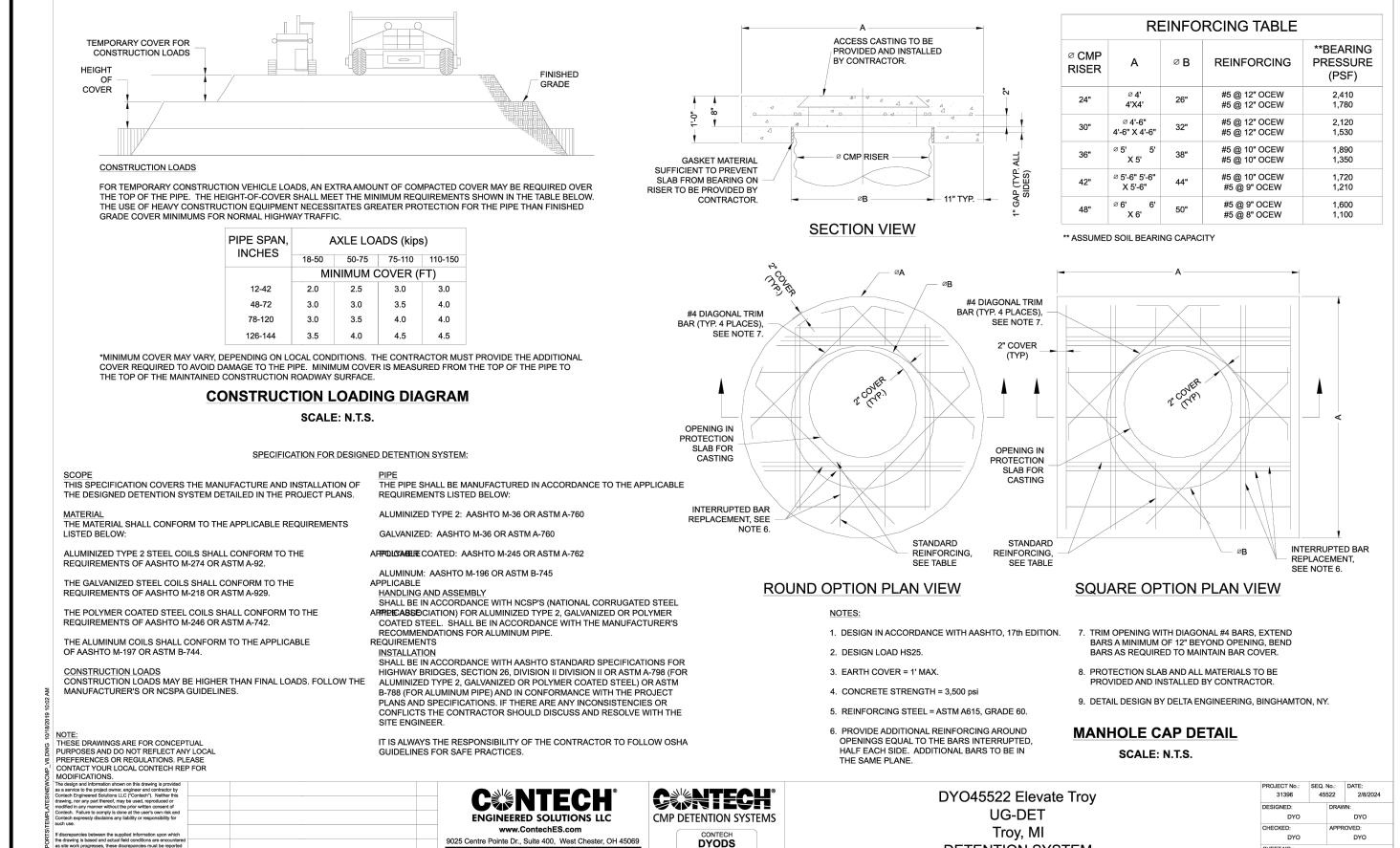
REVISIONS	
CITY COMMENTS	8-28-24
CITY COMMENTS	10-24-24
ORIGINAL ISSUE DATE:	
MAY 13, 2024	

DRAWING TITLE **NOTES AND DETAILS**

PEA JOB NO.	2022-1263
P.M.	JPB
DN.	JKS
DES.	JKS
DRAWING NUMBER:	:







800-338-1122 513-645-7000 513-645-7993 FAX

REVISION DESCRIPTION

DETENTION SYSTEM

SHEET NO.:



PEA JOB NO. 2022-1263 JPB JKS JKS DES. DRAWING NUMBER:

t: 844.813.2949

www.peagroup.com

SCALE: 1" = 30'

CAUTION!!

CLIENT

HE LOCATIONS AND ELEV

TILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR MPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF

HE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR

DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

W. BIG BEAVER ROAD

BUTTERFIELD ROAD

DEVELOPMENT

1787 WEST BIG BEAVER

TROY, MICHIGAN 48084

PROJECT TITLE

BIG BEAVER ROAD

REVISIONS

CITY COMMENTS

CITY COMMENTS

CITY OF TROY, MICHIGAN

MIXED USE

ELEVATE TROY

DEVELOPMENT

8-28-24

10-24-24

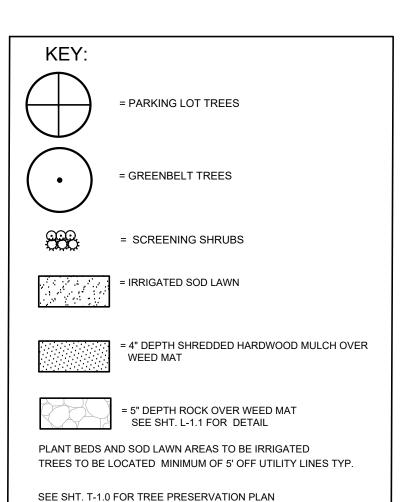
TREE PLAN	NT LIST:				
QUANTITY	KEYSYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
3	AR2.5	Armstrong Gold Maple	Acer rubrum JFS-KW78' PP 25301 (columnar, 12'x40' ht.)	2.5 Cal.	B&B
6	GP2.5	Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry' (columnar, 15' x40' ht.)	2.5" Cal.	В&В
2	GT2.5	Skyline Honeylocust	Gleditsia triacanthos 'Skyline' Inermis	2.5" Cal.	В&В
5	QS2.5	Streetspire Oak	Quercus robur x alba 'JFS-KW1QX' (columnar, 14'x 45'ht.)	2.5" Cal.	B&B
5	SR2.5	Japanese Tree Lilac	Syringa reticulata 'Ivory silk' (15'x 20'ht. utility tree)	2.5" Cal.	B&B
7	TC2.5	Corinthian Linden	Tilia cordata 'Corzam' (15' x 45' ht.)	2.5" Cal.	B&B
6	UF2.5	Frontier Elm	Ulmus 'Frontier'	2.5" Cal.	B&B
34	Total Dec.				
SHRUB PL	ANT LIST:				
QUANTITY	KEYSYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
9	JH6	Hetz Columnar Juniper	Juniperus chinensis 'Hetzii Columnaris'	6'	в&в
35	SN30	Neon Flash Spirea	Spiraea japonica 'Neon Flash'	30" Ht.	Cont.
49	TM30	Dense Yew	Taxus x media 'Densiformis'	30" Ht.	Cont.
93	Total Shrubs				
PERENNIAI	PLANT LIST:				
12	CA	Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	Cont.
12	Total per.				

IZE	SPEC	LANDSCAPE CALCULATIONS: PER CITY OF TROY ZONING ORDINANCE; BB-BIG BEAVER FORMED BASE DISTRICT; USE APARTMENTS, RESTAURANT, OFFICE SITE TYPE C, STREET TYPE A, USE GROUP 5,
2.5 Cal.	B&B	
2.5" Cal.	B&B	PARKING LOT LANDSCAPING REQUIRED: 1 TREE / 8 PARKING SPACES 165 NEW SURFACE PARKING SPACES W/IN LIMITS OF CONST./ 8
2.5" Cal.	B&B	= 21 TREES IN PARKING LOT ISLANDS
2.5" Cal. 2.5" Cal.	B&B B&B	PROVIDED: 19 PROPOSED TREES (IN PARKING ISLANDS WHEN UTILITIES ALLOW) 2 EXISTING TREES AND CONTINUOUS SHRUB HEDGE ALONG TODD DR. AND BUTTERFIELD RD.
2.5" Cal.	B&B	GREENBELT
2.5" Cal.	В&В	REQUIRED: 1 TREE / 30 LF OF FRONTAGE
		W. BIG BEAVER RD.: 106 LF FRONTAGE/30 = 4 TREES TODD ROAD: 200 LF FRONTAGE/30 = 7 TREES BUTTERFIELD RD.: 212 LF FRONTAGE/30 = 7 TREES
IZE	SPEC	PROVIDED: W. BIG BEAVER RD.: 2 PROPOSED, 2 EXISTING TREES TODD DR.: 7 PROPOSED

106 LF FRONTAGE/30 = 4 TREES F FRONTAGE/30 = 7 TREES212 LF FRONTAGE/30 = 7 TREES EAVER RD.: 2 PROPOSED, 2 EXISTING TREES : 7 PROPOSED BUTTERFIELD RD.: 6 PROPOSED, 1 EXISTING TREE

GENERAL SITE LANDSCAPE
REQUIRED: 15% OF SITE AREA SHALL BE LANDSCAPE MATERIAL 36,289 SQ FT * 15% = 5,443.35 SQ FTPROVIDED: 15,572 SQ FT OF SOFT-SCAPE (LAWN & PLANT

BEDS) (43 % SOFT-SCAPE PROVIDED)

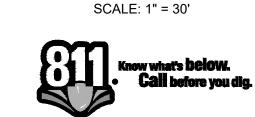


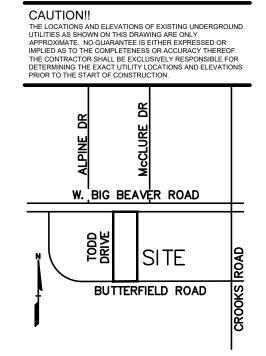
SEE SHT. L-1.1 FOR LANDSCAPE DETAILS

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CLIENT ENCORE DEVELOPMENT 1787 WEST BIG BEAVER TROY, MICHIGAN 48084

PROJECT TITLE

ELEVATE TROY
MIXED USE
DEVELOPMENT
BIG BEAVER ROAD
CITY OF TROY, MICHIGAN

DEL/IOLONIO	
REVISIONS	
CITY COMMENTS	8-28-24
CITY COMMENTS	10-24-24

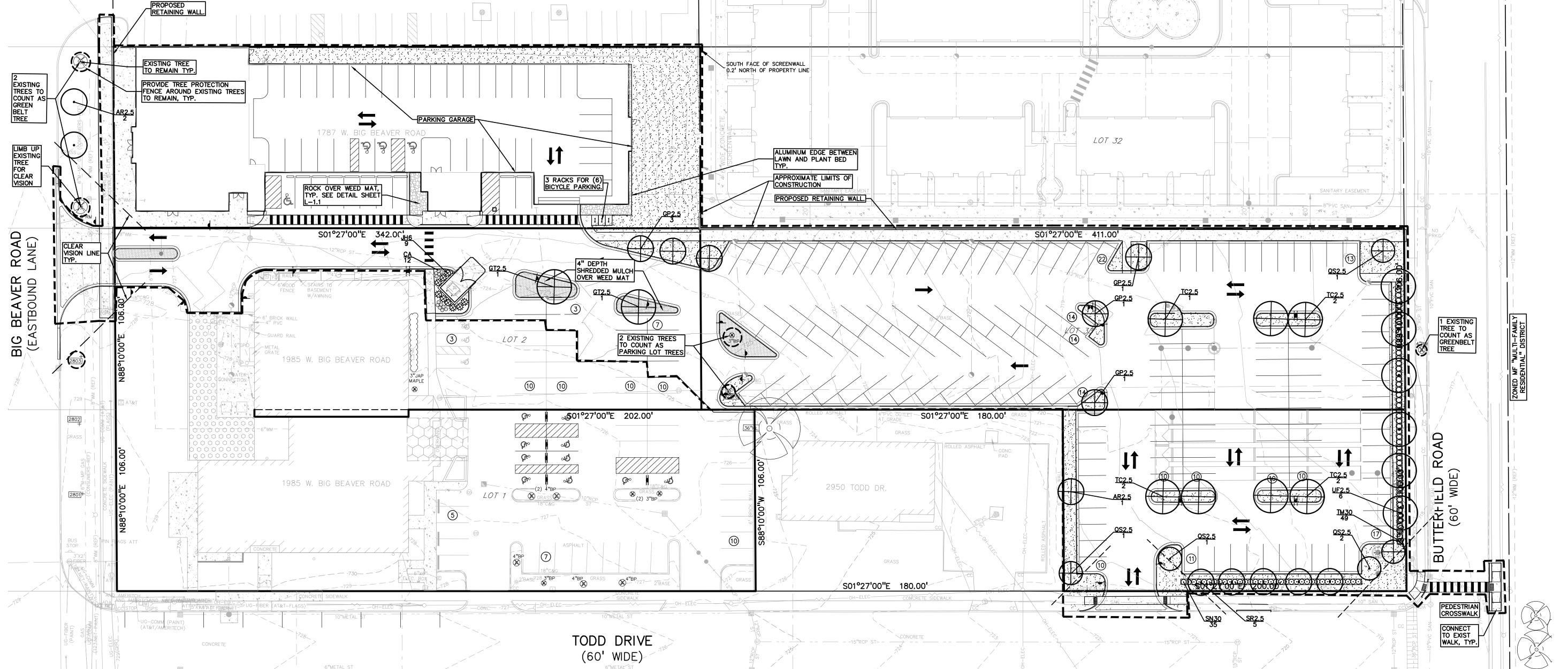
MAY 13, 2024 DRAWING TITLE

PRELIMINARY LANDSCAPE PLAN

ORIGINAL ISSUE DATE:

PEA JOB NO.	2022-1263
P.M.	JPB
DN.	CL
DES.	JLE
DRAWING NUMBER	₹:

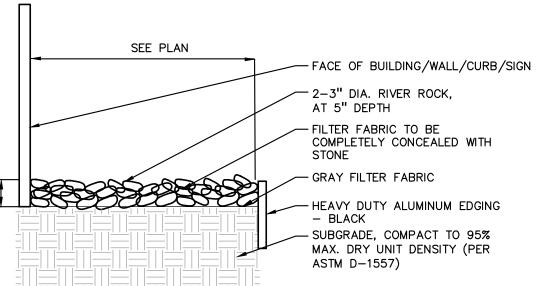
NOT FOR CONSTRUCTION



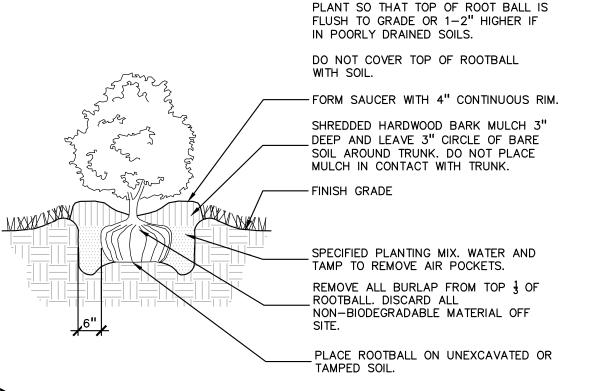
GENERAL PLANTING NOTES:

- LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING SITE CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS.
- BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, CABLE TELEVISION MÁY BE LOCATED BY CALLING MISS DIG 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO
- ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK AND SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMEN STANDARD FOR NURSERY STOCK. ALL LANDSCAPE MATERIAL SHALL BE NORTHERN GROWN, NO. 1. GRADE.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT
- ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS.
- FORKED OR IRREGULAR TRUNKS WILL NOT BE ACCEPTED.

- NO MACHINERY IS TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES;
 HAND GRADE ALL LAWN AREAS WITHIN THE DRIP LINE OF EXISTING TREES.
- INSTALLATION OF THE PLANT MATERIAL.
- 13. IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
- SEASONALLY FOR INVASIVE SPECIES CONTROL.
- 18. CONTRACTOR SHALL NOT INSTALL PLANTS UNDER BUILDING OVERHANG AND SHALL NOTIFY LANDSCAPE ARCHITECT IF DRAWINGS CONFLICT WITH BUILDING



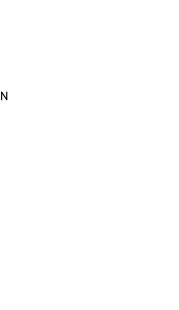
ROCK EDGE DETAIL NOT TO SCALE



SHRUB PLANTING DETAIL SCALE: 1'' = 2'-0''

- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES PRIOR TO

- LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
- MATERIAL NOT MEETING SPECIFICATIONS.
- ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH
- ALL MULTI STEM TREES SHALL BE HEAVILY BRANCHED AND HAVE SYMMETRICAL CROWNS. ONE SIDED TREES OR THOSE WITH THIN OR OPEN CROWNS SHALL NOT
- ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
- 10. ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS, TREES WITH SAND BALLS WILL BE REJECTED.
- 12. ALL TREE LOCATIONS SHALL BE STAKED BY LANDSCAPE CONTRACTOR AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO
- 14. ALL PLANTING BEDS SHALL RECEIVE 3" SHREDDED HARDWOOD BARK MULCH WITH PRE EMERGENT, SEE SPECIFICATIONS. SHREDDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
- 15. ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED TOPSOIL.
- 6. SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY STANDARDS.
- 17. FOR NON-LAWN SEED MIX AREAS, AS NOTED ON PLAN, BRUSH MOW ONCE
- 9. TREES SHALL NOT CONFLICT/ BLOCK PROPOSED REGULATORY/ DIRECTION SIGNAGE, MONUMENT SIGNS, ADDRESS OR LIGHT POLES. SHIFT TREES AS



TREE PROTECTION DETAIL SCALE: 1'' = 3'-0''

SCALE: 1'' = 3'-0''

VARIES PER
SPECIES SEE

PLAN FOR

QUANTITY

PLAN VIEW

SECTION VIEW

SCALE: 1'' = 2'-0''

PERENNIAL PLANTING DETAIL

SPECIES SEE PLAN FOR

QUANTITY

COMPLETE.

OPERATIONS.

PLANT PERENNIALS EQUAL DISTANCE IN

3" SHREDDED BARK MULCH. DO NOT PILE MULCH AGAINST PLANT STEMS

ALL DIRECTIONS

TO PLANTING.

- SPECIFIED PLANTING MIX

TREE PROTECTION WILL BE ERECTED PRIOR TO

REMAIN IN PLACE UNTIL CONSTRUCTION IS

SOIL DEPOSITS WITHIN DRIP LINES.

LINE OF PROTECTED TREES.

START OF CONSTRUCTION ACTIVITIES AND SHALL

NO PERSON MAY CONDUCT ANY ACTIVITY WITHIN THE

INCLUDING, BUT NOT LIMITED TO PLACING SOLVENTS, BUILDING MATERIAL, CONSTRUCTION EQUIPMENT OR

DRIP LINE OF ANY TREE DESIGNATED TO REMAIN;

GRADE CHANGES MAY NO OCCUR WITHIN THE DRIP

DURING CONSTRUCTION, NO PERSON SHALL ATTACH ANY DEVICE OR WIRE TO ANY REMAINING TREE. ALL UTILITY SERVICE REQUESTS MUST INCLUDE NOTIFICATION TO THE INSTALLER THAT PROTECTED TREES MUST BE AVOIDED. ALL TRENCHING SHALL OCCUR OUTSIDE OF THE PROTECTIVE FENCING.

TREES LOCATED ON ADJACENT PROPERTY THAT AY

BE AFFECTED BY CONSTRUCTION ACTIVITIES MUST BE

TREES TO BE PRESERVED SHALL BE IDENTIFIED WITH

PROVIDE FENCE AROUND CRITICAL ROOT ZONE OF

FENCE SHALL BE PLACED IN A CIRCLE WITH A

RADIUS OF 1' PER 1" DIAMETER OF THE TREE

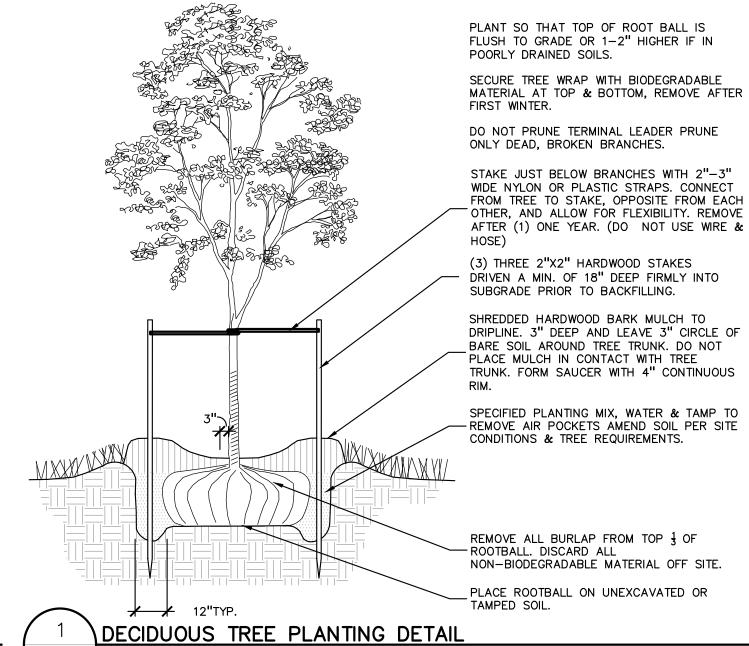
MEASURED AT 4.5' ABOVE GROUND.

4'HIGH PROTECTIVE FENCING WITH STEEL POSTS - 10' O.C.

- EXISTING SOIL

FLAGGING PRIOR TO THE TREE CLEARING

NOTE: REMOVE ALL CONTAINERS PRIOR



t: 844.813.2949



CAUTION!! THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. W. BIG BEAVER ROAD BUTTERFIELD ROAD

CLIENT **ENCORE**

DEVELOPMENT 1787 WEST BIG BEAVER TROY, MICHIGAN 48084

PROJECT TITLE

CITY OF TROY, MICHIGAN

ELEVATE TROY MIXED USE DEVELOPMENT BIG BEAVER ROAD

REVISIONS CITY COMMENTS 8-28-24 CITY COMMENTS 10-24-24 ORIGINAL ISSUE DATE: MAY 13, 2024

DRAWING TITLE

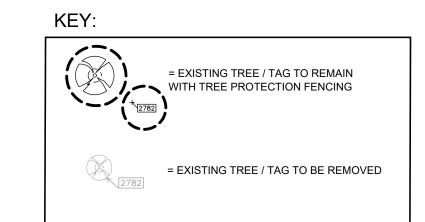
LANDSCAPE **DETAILS**

PEA JOB NO. 2022-1263 JPB DN. CAL DES. JLE DRAWING NUMBER:

L-1.1

NOTE TREES # 2814-2976 WERE RECENTLY REMOVED FOR FUTURE DEVELOPMENT AT SOUTH END OF SITE AT BUTTERFIELD AND TODD DRIVE

EXISTING	TREE LIST								
TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTE	CLASS	SAVE / REMOVE	ON-SITE
2801	RM	11	Red Maple	Acer rubrum	Good		WOODLAND	S	Υ
2802	RM	10	Red Maple	Acer rubrum	Good		WOODLAND	S	Υ
2803	RM	8	Red Maple	Acer rubrum	Good		WOODLAND	S	Υ
2807	HL	9	Honeylocust	Gleditsia triacanthos	Good		WOODLAND	R	¥
2808	HL	12	Honeylocust	Gleditsia triacanthos	Good		WOODLAND	R	¥
2814	ВХ	12	Box elder	Acer negundo	Good		INVASIVE	R	¥
2815	ВХ	13	Box elder	Acer negundo	Good	х3	INVASIVE	R	¥
2816	SM	10	Silver Maple	Acer saccharinum	Good		INVASIVE	R	¥
2817	SM	8	Silver Maple	Acer saccharinum	Good	х3	INVASIVE	R	¥
2818	NM	24	Norway Maple	Acer platanoides	Good		INVASIVE	R	¥
2819	MR	8	Red Mulberry	Morus rubra	Good	x2	INVASIVE	R	¥
2820	CT	23	Cottonwood	Populus deltoides	Good		INVASIVE	R	¥
2821	ВХ	12	Box elder	Acer negundo	Good	x2	INVASIVE	S	Υ
2822	CT	15	Cottonwood	Populus deltoides	Good		INVASIVE	R	¥
2823	Α	6	#N/A	#N/A	Good	x2	#N/A	R	¥
2824	ВХ	13	Box elder	Acer negundo	Fair		INVASIVE	R	¥
2825	MR	15	Red Mulberry	Morus rubra	Good	x2	INVASIVE	R	¥
2826	MR	6	Red Mulberry	Morus rubra	Good		INVASIVE	R	¥
2827	ВХ	14	Box elder	Acer negundo	Good		INVASIVE	R	¥
2828	ВХ	19	Box elder	Acer negundo	Good		INVASIVE	R	¥
2829	MR	9	Red Mulberry	Morus rubra	Good	x4	INVASIVE	₽	¥
2830	ВХ	8	Box elder	Acer negundo	Poor		INVASIVE	₽	¥
2831	ee	17	Siberian Elm	Ulmus pumila	Good		INVASIVE	₽	¥
2968	CT	22	Cottonwood	Populus deltoides	Good		INVASIVE	₽	¥
2969	СТ	16	Cottonwood	Populus deltoides	Good		INVASIVE	R	¥
2970	ВХ	11	Box elder	Acer negundo	Good	x 3	INVASIVE	R	¥
2971	ВХ	8	Box elder	Acer negundo	Good		INVASIVE	R	¥
2972	ВХ	14	Box elder	Acer negundo	Good		INVASIVE	R	¥
2973	SM	10	Silver Maple	Acer saccharinum	Good		INVASIVE	₽	¥
2974	ВХ	7	Box elder	Acer negundo	Good	x2	INVASIVE	₽	¥
2975	EE	14	Siberian Elm	Ulmus pumila	Poor	x2	INVASIVE	R	¥
2976	ВХ	10	Box elder	Acer negundo	Good		INVASIVE	₽	¥
2977	HL	9	Honeylocust	Gleditsia triacanthos	Good	x 3	WOODLAND	₽	¥



TO ANY RELEASE OF DEMO PERMITS.

NOTE: -R = DENOTES TREE TO BE REMOVED S = TREE TO BE SAVED NOTE:
TREE PROTECTION MUST BE INSTALLED AND INSPECTED PRIOR

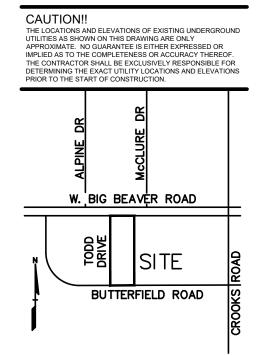


t: 844.813.2949 www.peagroup.com









CLIENT **ENCORE**

DEVELOPMENT

1787 WEST BIG BEAVER
TROY, MICHIGAN 48084

PROJECT TITLE

ELEVATE TROY
MIXED USE
DEVELOPMENT
BIG BEAVER ROAD
CITY OF TROY, MICHIGAN

CITY COMMENTS	8-28-24
CITY COMMENTS	10-24-24
ORIGINAL ISSUE DATE: MAY 13, 2024	

DRAWING TITLE TREE **PRESERVATION PLAN**

PEA JOB NO. 2022-1263

DES.
DRAWING NUMBER:

2977HL9HoneylocustGleditsia triacanthosGoodx3WOODLANDRY2978HL14HoneylocustGleditsia triacanthosGoodWOODLANDSY	CAU* THE LOT UTILITIE APPRO!
	THE LOC UTILITIES APPROX IMPLIED THE COD DETERM PRIOR TO
EXISTING TREE TID REAGNIN TYP PROPOSED FINCE AROUND EXISTING TREES 1/87 W. BIG SEAVER ROAD PROPOSED BUILDING SOUTH FACE OF SPEEDWALL D.2 WORTH OF PROPERTY UNE FROPOSED BUILDING SOUTH FACE OF SPEEDWALL D.2 WORTH OF PROPERTY UNE SOUTH FACE OF SPEEDWALL D.2 WORTH OF SPEEDWALL D.3	CLIE EN DE 1787' TROY,
AVACEA SOI°27/00"E 342.00' SOI°27/00"E 342.00' EXSTING FIRE TO BE REMOVED TYPE REMOVED TYPE REMOVED TYPE RAPPORED RAP	PRODE LITTORY (REF)
TAX PARCEL 88-20-29-228-020 TAX PARCEL 88-20-29-228-020 TAX PARCEL 88-20-29-228-020 SOI® 27'00"E 202.00" SOI® 27'00"E 202.00"	SONED MF "MULTI-FAMILY RESIDENTIAL" DISTRICT
1985 W. BIG BEAVER ROAD TAX PARCEL 88-20-29-228-044 2950 TODD DR. TAX PARCEL 88-20-29-228-043	ORIO MAY DRA
S01°22′00″E 200.00′ S01°22′00″E 200.00′ S01°22′00″E 200.00′ TODD DRIVE (60′ WIDE) (60′ WIDE) (60′ WIDE) (60′ WIDE) (60′ WIDE) (60′ WIDE)	PEA P.M. DN. DES DRA

2nd Floor | 3rd Floor | 4th Floor | 5th Floor Studio 14 10 37 13 1 Bedroom 2 Bedroom 0 Penthouse 21 65 Total 21

> RETAIL TENANTS APARTMENT LOBBY APARTMENT PARKING CIRCULATION MAINTENANCE / FIRE RISER

SITE DATA + ZONING 1787 W Big Beaver Rd. Troy, MI 48084 Address Parcel ID 88-20-29-226-003 Zoning 0.83 Acres (36,289 SF) Parcel Area Big Beaver Corridor Zoning District | A | C Street Type Site Type Building Form | B (Table 5.03.B.2) Proposed Mix Use | Residential/Lodging + Retail + QSR Restaurant Provided Required Regulation Front | 60' Max, 0' Min Front | 9'-9" Setbacks Sides | 0' Sides | 0' - East 10' - West Rear | 40' Min. Rear | 40'

| 66' / 6 Story

| 24' / 2 Story

1st Floor | 14' Min. Height

2nd Floor | 22,166 sf

3rd Floor | 22,166 sf

66' / 5 Stories

1st Floor Height - 18'-0"

Building Height Max

Building Area

BUILDING DESIGN REQUIREMENTS Provided (Measured between 2' & 8' A.F.F.) Required (Measured between 2' & 8' A.F.F.) Regulation Frontage Min. 50% Doors + Windows Frontage Facade Area - 575.5 sf Facade Transparency Glazed Area - 428 sf Side Yard Min. 30% Glazing Total % - 74.4% Facing Min. 30% Glazing Side Yard Facade Area - 1,754 sf Parking Glazed Area - 237.2 sf Total % - 13.5% Alternative Transparency Criteria | may account for <80% Alt.Criteria - (b,c,d) Total % - 42 % 1.) Wall Design: Provide a minimum of 3 of the following: a) Structural Expression Side Yard Facade Area - 1,754 sf b) System of horizontal & vertical scaling elements Glazed Area - 451 sf c) System of horizontal & vertical reveals >1" Total % - 25.7% Alt.Criteria - (b,c,d) d) Variations in material, module, pattern, or color. e) System of integrated architectural ornamentation Total % - 48. % f) Green screen or planter walls Rear Yard Not Required g) Translucent, fritted, patterned, or colored glazing

PARKING CALCULATIONS

- 742.83 sf

- 398 sf

OCCUPANCY	SF	/. BIG BEAVER RD. CALCULATION	REQ'D SPACE	
OCCOPANCI	01	1 SPACE PER 250 SF	INEQU SI ACE	
RETAIL	6,207 SF	6,207 SF / 250 = 25	25	
	246	1 SPACE PER 2 SEATS		
RESTAURANT	SEATS	246 SEATS / 2 = 123	123	
OFFICE	10 11 105	1 SPACE PER 300 SF	4.5	
OFFICE	13,414 SF	13,414 SF / 300 = 45	45	
PROPOSED BUIL	.DING: 1787	W. BIG BEAVER RD.		
RETAIL	5,149 SF	1 SPACE PER 250 SF	- 21	
		5,149 SF / 250 = 21		
STUDIO APTS.	13	1 SPACE PER STUDIO	13	
310DIO AF 13.	UNITS	13 UNITS x 1 = 13		
1 & 2 BD &	52	2 SPACES PER UNIT	104	
PENTHOUSE	UNITS	52 UNITS x 2 = 104	104	
PARKING REQUI	REMENTS:			
TOTAL REQUIRED PARKING 331				
TOTAL PROPOS	220			
HANDICAP UNITS 16				
GENERAL NOTES:				
REFER TO SHARD PARKING STUDY COMPLETED BY TETRA TECH TO				

SUPPORT THE REDUCTION IN REQUIRED PARKING.

4th Floor | 22,166 sf TRASH ROOM 5th Floor | 15,714 sf FIRE RISER 142 SF ----MAINTENANCE 143 SF ---TENANT 2 1,382 SF 1787 W Big Beaver APARTMENT CIRCULATION PARKING PATIO B Zoned BB 14,492 SF 640 SF 228 SF TENANT 1 PATIO A-3,767 SF 1,160 SF APARTMENT .
LOBBY RO.
398 SF 210 SF ROAD LANE) BIG BEAVER (EASTBOUND L Existing 3 Story Mixed Use 1985 W. Big Beaver Rd. 6,207 SF Retail 10,000 SF Restaurant 13,414 SF Office PARCEL ID 20-29-226-044 OWNER TODD STREET, LLC __ . . __ . TODD DRIVE

SCALE: 1/32" = 1'

022019

Elevate Troy 1787 W Big Beaver Troy, MI 48084

Architectural Site Plan

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SUITE 300 MI 48326

URN RD. HILLS,

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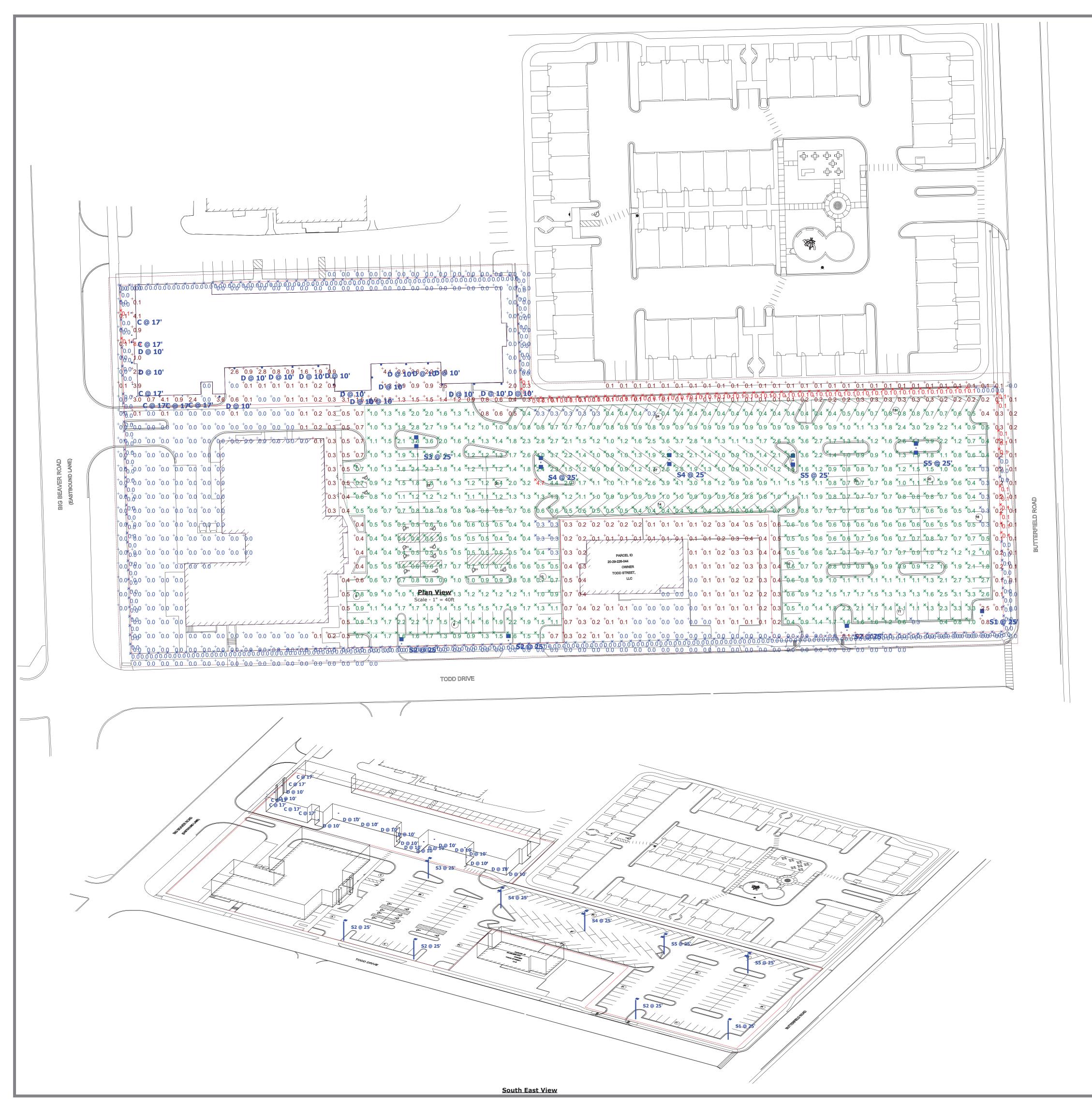
SPA Re-Submittal 2

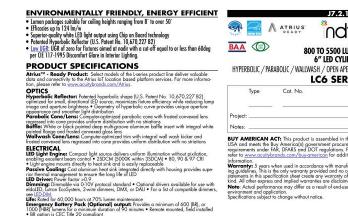
SPA Re-Submittal

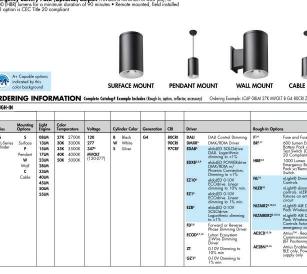
Pre-App Meeting ISSUANCE

Site Plan Approval 05/10/24

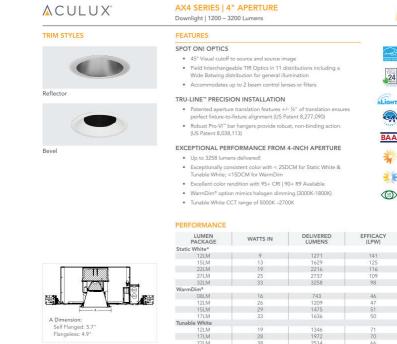
Architectural Site Plan



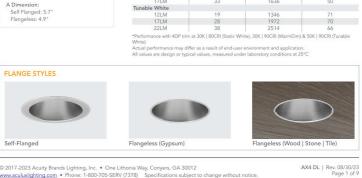


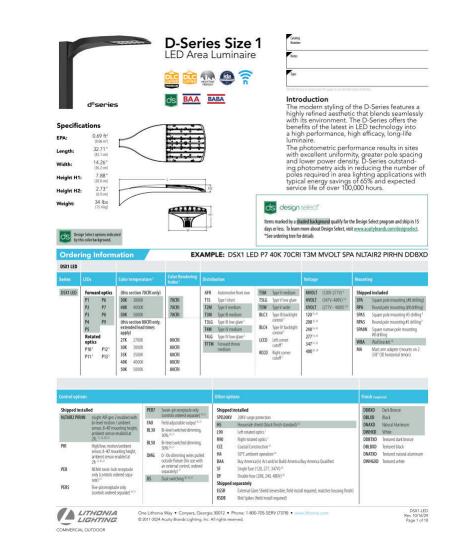






VISUAL

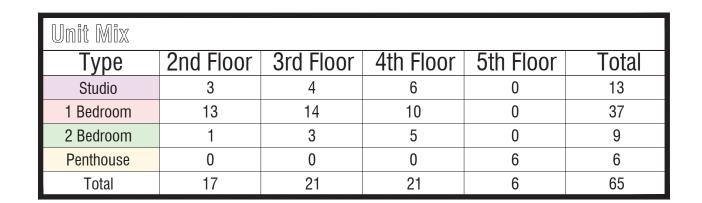




Statistics						
Description	Symbol	Avg	Max	Min	Avg/Min	Max/Min
Overall	+	0.7 fc	8.9 fc	0.0 fc	N/A	N/A
Parking Lot	Ж	1.2 fc	4.7 fc	0.3 fc	4.0:1	15.7:1
Boundary @ 5'	Ж	0.0 fc	0.1 fc	0.0 fc	N/A	N/A

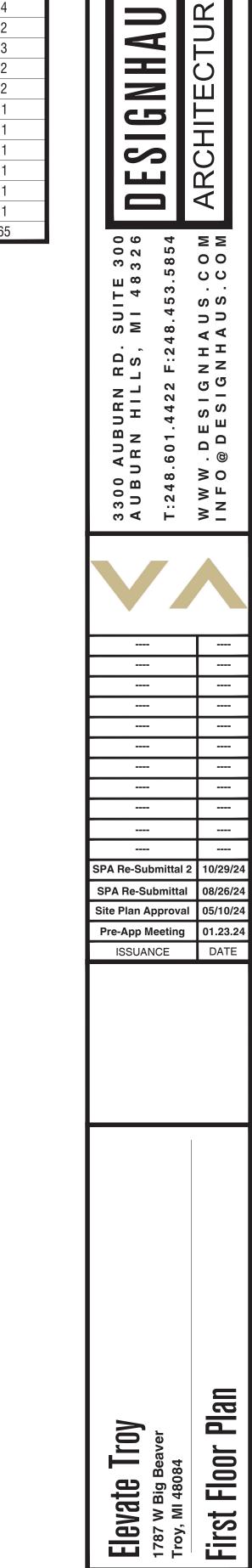
Schedule	e								
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Powe
	С		6	Aculux	AX4 D 08LM WDIM HALR 90CRI 35D GZ1 MVOLT 4DBV BD	4" Round Recessed Downlight 800 Lumens WarmDim 90+ CRI 35 degree Bevel Black Diffuse Damp Location	461	1	16.313
	D		17	Indy	LC6S 08LM 35K MVOLT W G4 80CRI ZT HWS CS	INDY 6" DIA. 1-LED 800LM, 35K 80 CRI, CYLINDER SINGLE WALL WASHER W/ CLEAR SPECULAR ALZAK (CS) HYPERBOLIC REFLECTOR, DIFFUSE KICKER & FROSTED DIMPLED GLASS LENS	547	1	7.53
	S1		1	Lithonia Lighting	DSX1 LED P3 40K 70CRI RCCO	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 70 CRI Right Corner Cutoff Extreme Backlight Control	10101	0.9	102.1
	S2		3	Lithonia Lighting	DSX1 LED P3 40K 70CRI BLC4	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 70 CRI Type 4 Extreme Backlight Control	10340	0.9	102.1
	S 3		1	Lithonia Lighting	DSX1 LED P3 40K 70CRI T4M	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 70 CRI Type 4 Medium	13968	0.9	204.3
<u> </u>	S4		2	Lithonia Lighting	DSX1 LED P1 40K 70CRI T1S	D-Series Size 1 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Type 1 Short	8104	0.9	101.8
^ 	S5		2	Lithonia Lighting	[]	[]	[]	0.9	101.8
° .				Lithonia Lighting	DSX1 LED P1 40K 70CRI T1S	D-Series Size 1 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Type 1 Short	8104	0.9	50.9
^ _ _				Lithonia Lighting	DSX1 LED P1 40K 70CRI TFTM	D-Series Size 1 Area Luminaire P1 Performance Package 4000K CCT 70 CRI Forward Throw	7760	0.9	50.9

Designer
KS
Date
05/13/2024
Scale
Not to Scale
Drawing No.
#
Summary

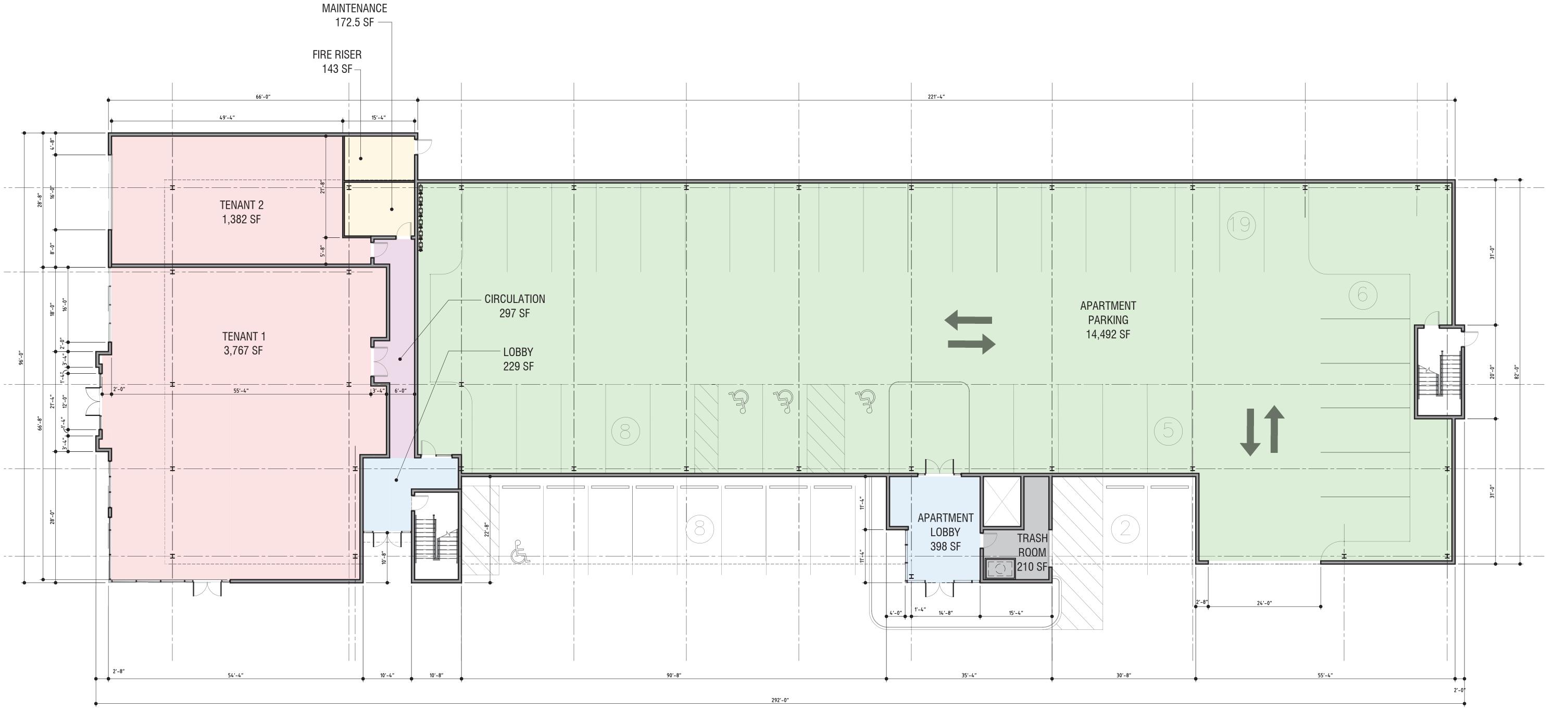


PLAN [LEGEND
	STUDIO UNIT
	1 BEDROOM UNIT
	2 BEDROOM UNIT
	PENTHOUSE UNIT
	LOBBY/COMMON SPACE
	GYM
	CO-WORKING ROOM
	SAUNA
	JANITOR CLOSET / TRASH ROOM
	TERRACE

Unit Miz	X						
Unit	Area	Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
Α	628 SF	Studio	1	1	1	0	3
В	641SF	Studio	2	3	5	0	10
С	860 SF	1 Bedroom	11	12	10	0	33
D	975 SF	1 Bedroom	2	2	0	0	4
Е	1,083 SF	2 Bedroom	0	1	1	0	2
F	1,100 SF	2 Bedroom	1	1	1	0	3
G	1,223 SF	2 Bedroom	0	0	2	0	2
Н	1,179 SF	2 Bedroom	0	1	1	0	2
I	1,753 SF	Penthouse	0	0	0	1	1
J	1,513 SF	Penthouse	0	0	0	1	1
K	1,684 SF	Penthouse	0	0	0	1	1
L	1,789 SF	Penthouse	0	0	0	1	1
M	1,896 SF	Penthouse	0	0	0	1	1
N	2,058 SF	Penthouse	0	0	0	1	1
TOTAL	61,862 SF		17	21	21	6	65



EST



Unit Mix					
Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
Studio	3	4	6	0	13
1 Bedroom	13	14	10	0	37
2 Bedroom	1	3	5	0	9
Penthouse	0	0	0	6	6
Total	17	21	21	6	65

PLAN (LEGEND
	STUDIO UNIT
	1 BEDROOM UNIT
	2 BEDROOM UNIT
	PENTHOUSE UNIT
	LOBBY/COMMON SPACE
	GYM
	CO-WORKING ROOM
	SAUNA
	JANITOR CLOSET / TRASH ROOM
	TERRACE

Unit	Area	Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Tota
А	628 SF	Studio	1	1	1	0	3
В	641SF	Studio	2	3	5	0	10
С	860 SF	1 Bedroom	11	12	10	0	33
D	975 SF	1 Bedroom	2	2	0	0	4
Е	1,083 SF	2 Bedroom	0	1	1	0	2
F	1,100 SF	2 Bedroom	1	1	1	0	3
G	1,223 SF	2 Bedroom	0	0	2	0	2
Н	1,179 SF	2 Bedroom	0	1	1	0	2
I	1,753 SF	Penthouse	0	0	0	1	1
J	1,513 SF	Penthouse	0	0	0	1	1
K	1,684 SF	Penthouse	0	0	0	1	1
L	1,789 SF	Penthouse	0	0	0	1	1
M	1,896 SF	Penthouse	0	0	0	1	1
N	2,058 SF	Penthouse	0	0	0	1	1
TOTAL	61,862 SF		17	21	21	6	65



3300 AUBURN RD. SUITE 300 AUBURN HILLS, MI 48326 T:248.601.4422 F:248.453.5854 W W W. DESIGNHAUS.COM INFO@DESIGNHAUS.COM --------------------------------SPA Re-Submittal 2 10/29/24 SPA Re-Submittal 08/26/24 Site Plan Approval 05/10/24 Pre-App Meeting 01.23.24 ISSUANCE Second Floor Plan Elevate Troy
Troy, MI 48084

022019

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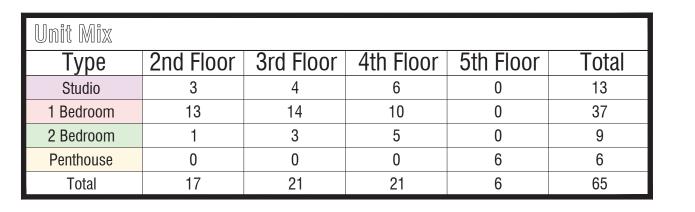
Second Floor Plan

SCALE: 3/32" = 1'

10/29/2024

Brian Helbert

Third Floor Plan



PLAN (LEGEND
	STUDIO UNIT
	1 BEDROOM UNIT
	2 BEDROOM UNIT
	PENTHOUSE UNIT
	LOBBY/COMMON SPACE
	GYM
	CO-WORKING ROOM
	SAUNA
	JANITOR CLOSET / TRASH ROOM
	TERRACE

Unit Miz							
Unit	Area	Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
Α	628 SF	Studio	1	1	1	0	3
В	641SF	Studio	2	3	5	0	10
С	860 SF	1 Bedroom	11	12	10	0	33
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Е	1,083 SF	2 Bedroom	0	1	1	0	2
F	1,100 SF	2 Bedroom	1	1	1	0	3
G	1,223 SF	2 Bedroom	0	0	2	0	2
Н	1,179 SF	2 Bedroom	0	1	1	0	2
I	1,753 SF	Penthouse	0	0	0	1	1
J	1,513 SF	Penthouse	0	0	0	1	1
K	1,684 SF	Penthouse	0	0	0	1	1
L	1,789 SF	Penthouse	0	0	0	1	1
М	1,896 SF	Penthouse	0	0	0	1	1
N	2,058 SF	Penthouse	0	0	0	1	1
TOTAL	61,862 SF		17	21	21	6	65

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SUITE 300 MI 48326 48.453.5854 AUS.COM AUS.COM

3300 AUBURN RD. S AUBURN HILLS, N T:248.601.4422 F:248 W W W. DESIGNHA

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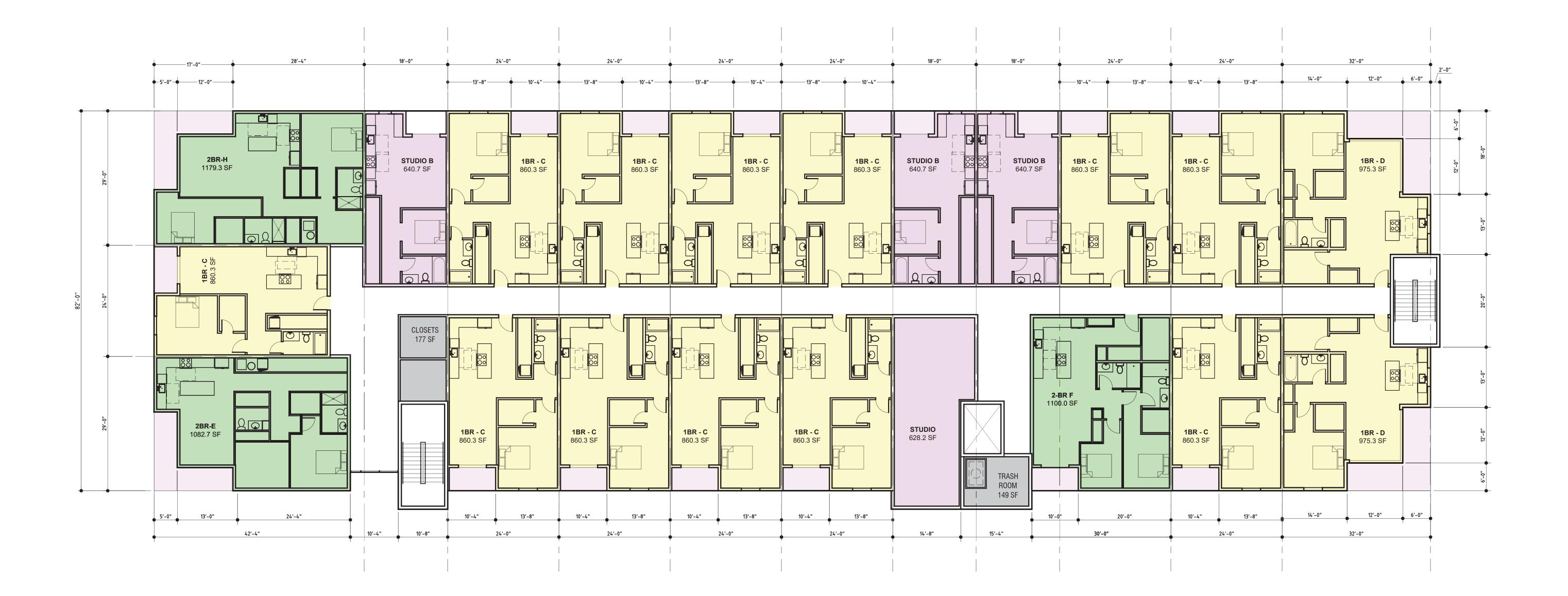
SPA Re-Submittal 2 10/29/24

Site Plan Approval 05/10/24
Pre-App Meeting 01.23.24

Third Floor Plan

Elevate Troy
Troy, MI 48084

022019



NORTH

NO NO

SCALE: 3/32" = 1'

Fourth Floor Plan

Unit Mix					
Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
Studio	3	4	6	0	13
1 Bedroom	13	14	10	0	37
2 Bedroom	1	3	5	0	9
Penthouse	0	0	0	6	6
Total	17	21	21	6	65

PLAN [LEGEND
	STUDIO UNIT
	1 BEDROOM UNIT
	2 BEDROOM UNIT
	PENTHOUSE UNIT
	LOBBY/COMMON SPACE
	GYM
	CO-WORKING ROOM
	SAUNA
	JANITOR CLOSET / TRASH ROOM
	TERRACE

Unit	Area	Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
А	628 SF	Studio	1	1	1	0	3
В	641SF	Studio	2	3	5	0	10
С	860 SF	1 Bedroom	11	12	10	0	33
D	975 SF	1 Bedroom	2	2	0	0	4
Е	1,083 SF	2 Bedroom	0	1	1	0	2
F	1,100 SF	2 Bedroom	1	1	1	0	3
G	1,223 SF	2 Bedroom	0	0	2	0	2
Н	1,179 SF	2 Bedroom	0	1	1	0	2
	1,753 SF	Penthouse	0	0	0	1	1
J	1,513 SF	Penthouse	0	0	0	1	1
K	1,684 SF	Penthouse	0	0	0	1	1
L	1,789 SF	Penthouse	0	0	0	1	1
M	1,896 SF	Penthouse	0	0	0	1	1
N	2,058 SF	Penthouse	0	0	0	1	1
TOTAL	61,862 SF		17	21	21	6	65



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1787 W Big Beaver
Troy, MI 48084
Fourth Floor Plan

022019

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EST 1998

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S

SCALE: 3/32" = 1'

NORTH

Fifth Floor Plan

Unit Mix					
Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
Studio	3	4	6	0	13
1 Bedroom	13	14	10	0	37
2 Bedroom	1	3	5	0	9
Penthouse	0	0	0	6	6
Total	17	21	21	6	65

PLAN [LEGEND
	STUDIO UNIT
	1 BEDROOM UNIT
	2 BEDROOM UNIT
	PENTHOUSE UNIT
	LOBBY/COMMON SPACE
	GYM
	CO-WORKING ROOM
	SAUNA
	JANITOR CLOSET / TRASH ROOM
	TERRACE

Unit	Area	Type	2nd Floor	3rd Floor	4th Floor	5th Floor	Total
Α	628 SF	Studio	1	1	1	0	3
В	641SF	Studio	2	3	5	0	10
С	860 SF	1 Bedroom	11	12	10	0	33
D	975 SF	1 Bedroom	2	2	0	0	4
Е	1,083 SF	2 Bedroom	0	1	1	0	2
F	1,100 SF	2 Bedroom	1	1	1	0	3
G	1,223 SF	2 Bedroom	0	0	2	0	2
Н	1,179 SF	2 Bedroom	0	1	1	0	2
I	1,753 SF	Penthouse	0	0	0	1	1
J	1,513 SF	Penthouse	0	0	0	1	1
K	1,684 SF	Penthouse	0	0	0	1	1
L	1,789 SF	Penthouse	0	0	0	1	1
M	1,896 SF	Penthouse	0	0	0	1	1
N	2,058 SF	Penthouse	0	0	0	1	1
TOTAL	61,862 SF		17	21	21	6	65

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SPA Re-Submittal

ISSUANCE

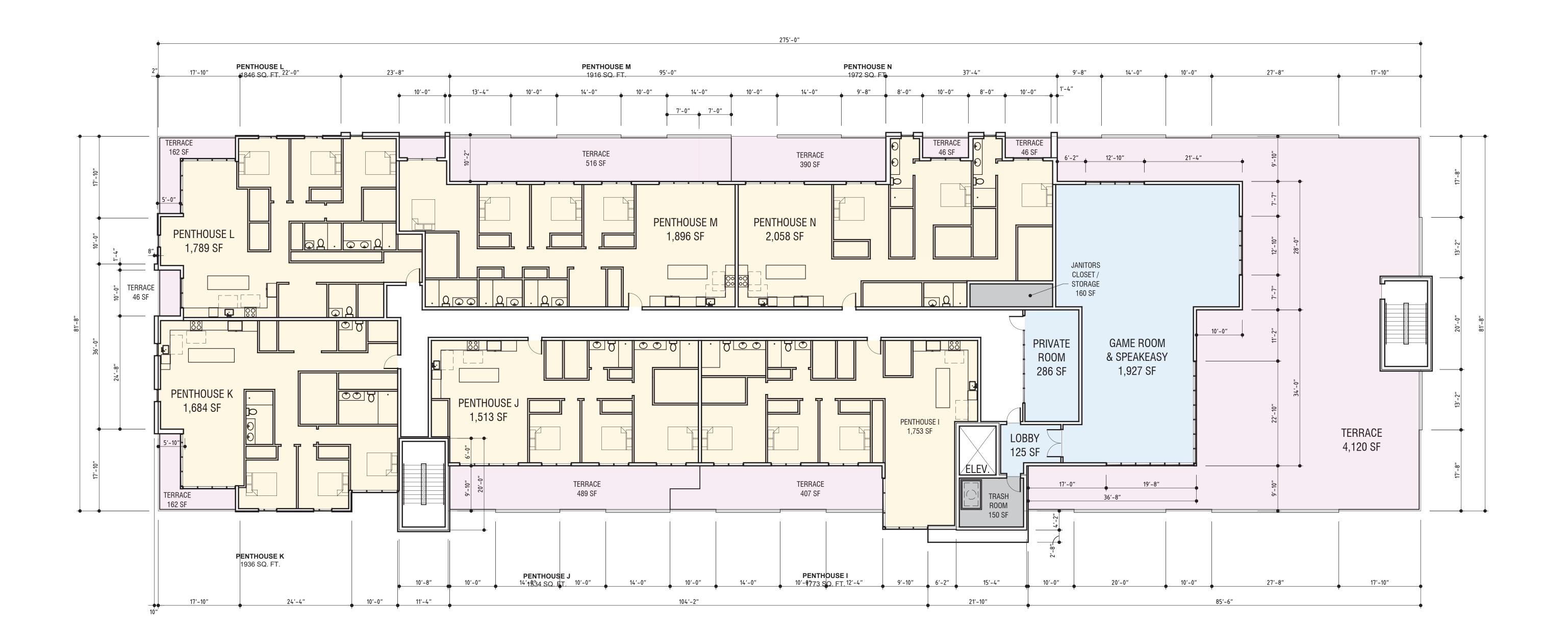
SPA Re-Submittal 2 10/29/24

Site Plan Approval | 05/10/24 Pre-App Meeting 01.23.24

Elevate Troy
Troy, MI 48084
Fifth Floor Plan

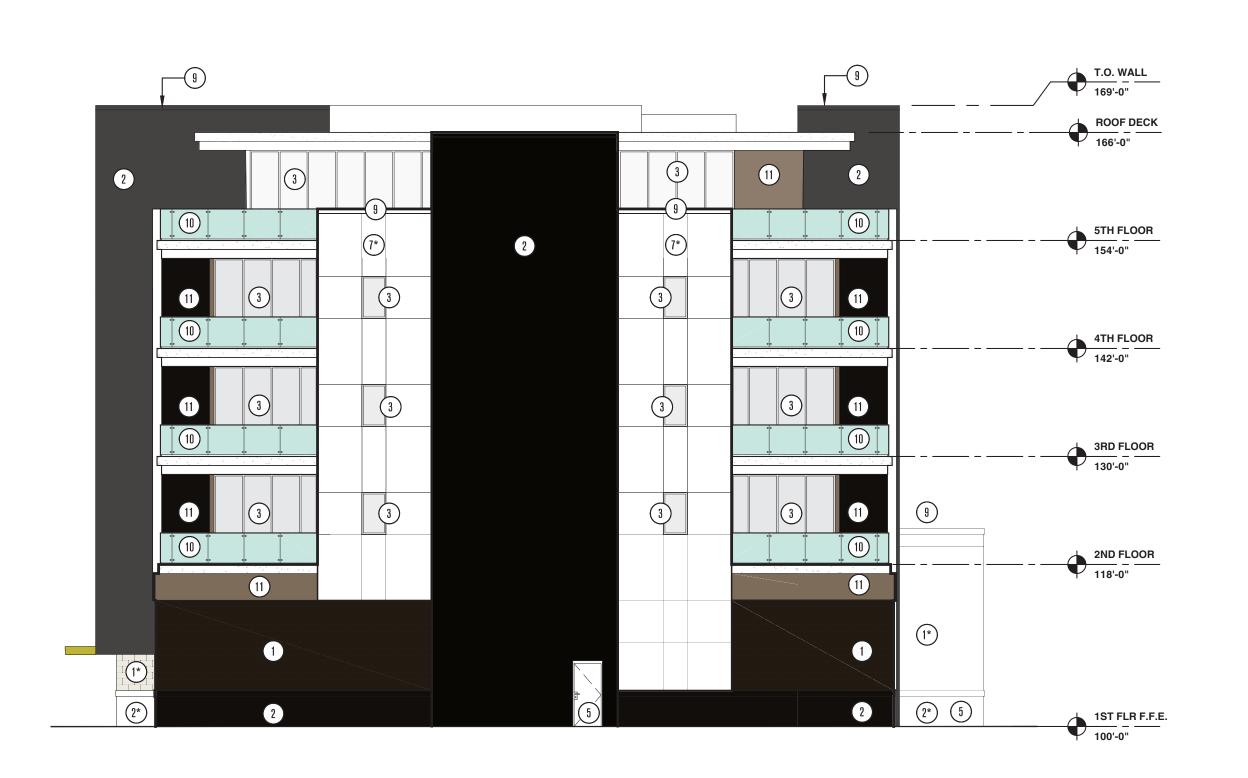
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NORTH

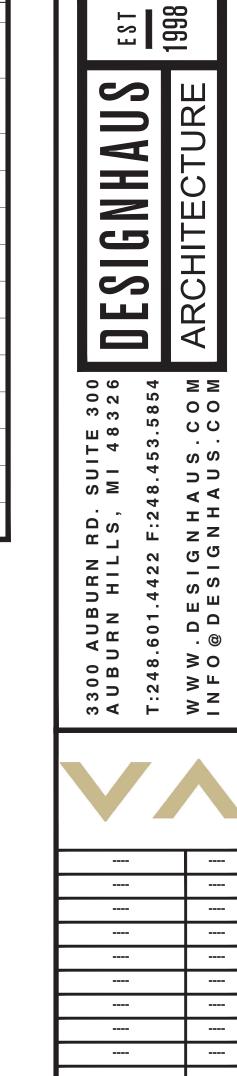
SCALE: 3/32" = 1'







SCALE: 3/32" = 1'



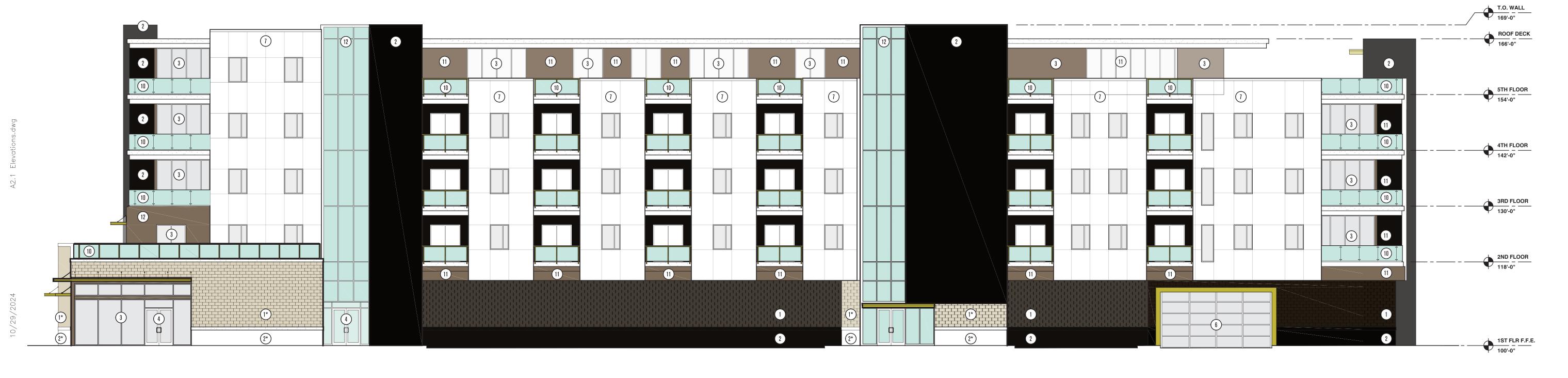
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SPA Re-Submittal 2 SPA Re-Submittal	 10/29/24 08/26/24
SPA Re-Submittal	08/26/24
SPA Re-Submittal Site Plan Approval	08/26/24 05/10/24

SPA Re-Submittal 2	10/29/24
SPA Re-Submittal	08/26/24
Site Plan Approval	05/10/24
Pre-App Meeting	01.23.24
ISSUANCE	DATE

Elevate Troy 1787 W Big Beaver Troy, MI 48084 Elevations

022019

SCALE: 3/32" = 1'



North Elevation

SCALE: 3/32" = 1'

South Elevation



Symbol Description 1 (1*) (2*) (2*) Burnished CMU Veneer | Black Stone Veneer | Black * Stone Veneer | Light Gray 3 Glazing Full-Lite Entry Door Metal Egress Door 6 Overhead Door - Full Lite Metal Panel | White Metal Panel | Black 9 Prefinished Metal Coping Glass Railing Metal Panel | Med.Bronze 12 Curtain Wall System Decorative Masonry Opening

* Burnished CMU Veneer | Light Gray

EST 1998 AU 5 SUITE 300 MI 48326 48.453.5854 AUS.COM AUS.COM AUS.C 3300 AUBURN RD. S AUBURN HILLS, N T:248.601.4422 F:248 W W W. D E S I G N H A I N F O @ D E S I G N H A

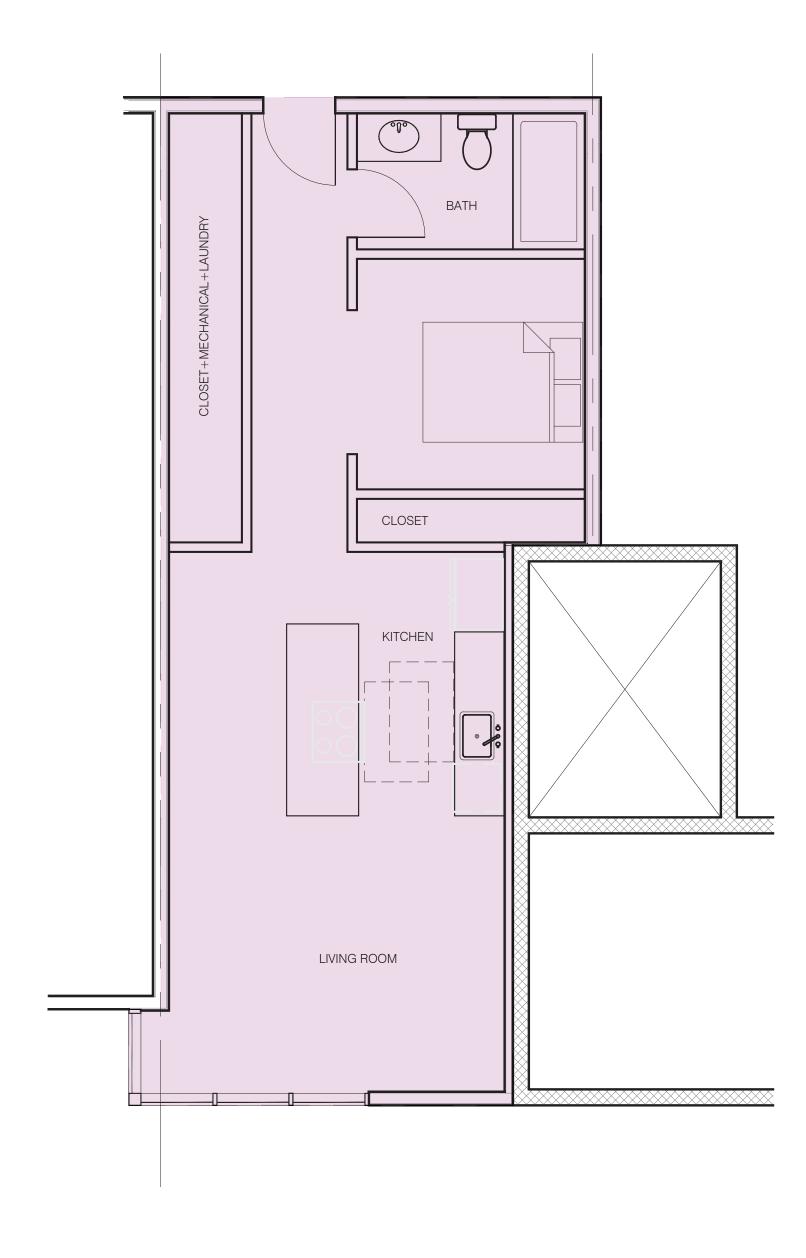
SPA Re-Submittal 2	10/29/24
SPA Re-Submittal	08/26/24
Site Plan Approval	05/10/24
Pre-App Meeting	01.23.24
ISSUANCE	DATE

Elevate Troy
Troy, MI 48084 Elevations

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SCALE: 3/32" = 1'

STUDIO B 639 SQ. FT.



STUDIO A 690 SQ. FT.

AUS 3300 AUBURN RD. SUITE 300 AUBURN HILLS, MI 48326 T:248.601.4422 F:248.453.5854 W W W. DESIGNHAUS.COM INFO@DESIGNHAUS.COM ----SPA Re-Submittal 2 10/29/24 SPA Re-Submittal Site Plan Approval 05/10/24 Pre-App Meeting 01.23.24 ISSUANCE

Elevate Troy
1787 w Big Beaver
Troy, MI 48084

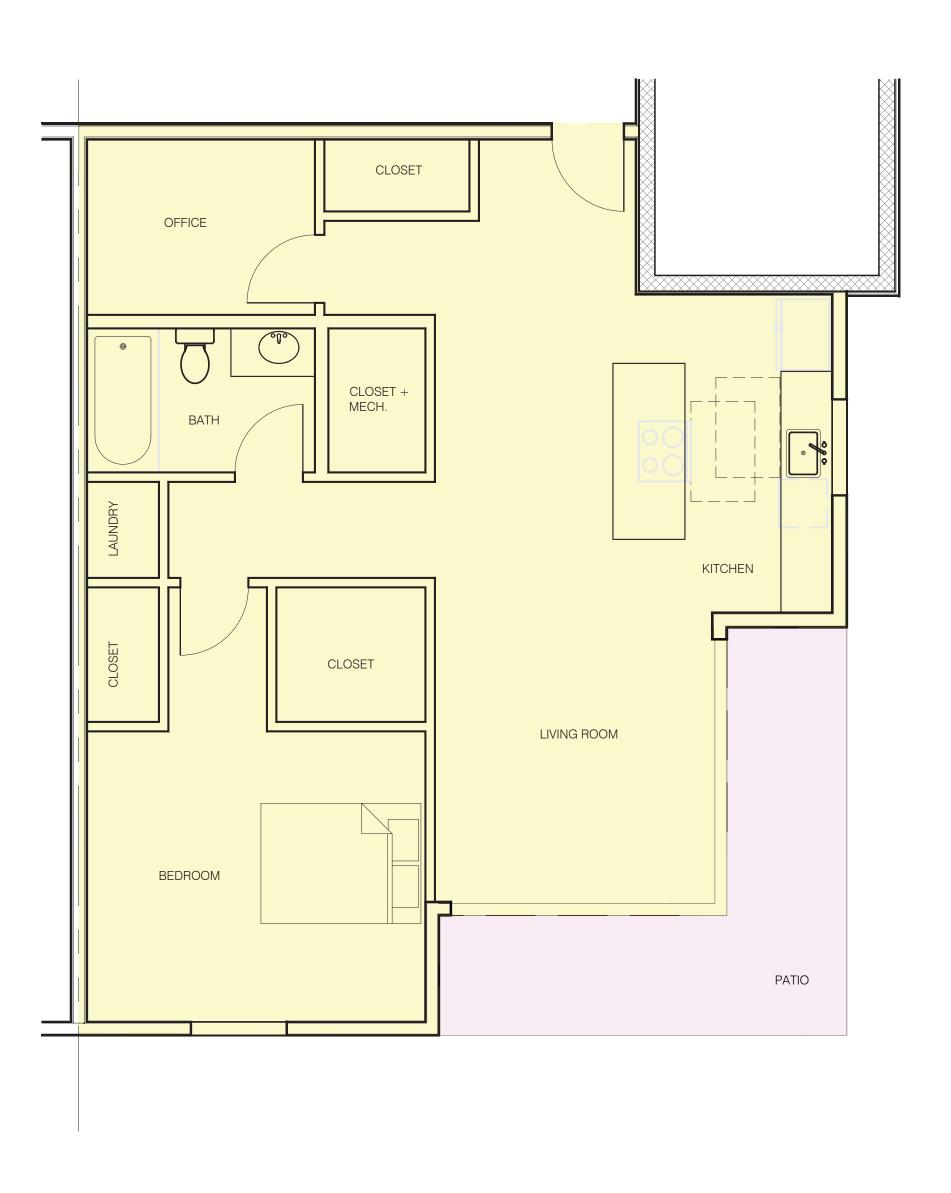
Enlarged Studio Unit Plans

022019

A4.1

B UNIT ENLARGED PLAN





LIVING ROOM

CLOSET

BEDROOM

PATIO

1-BEDROOM D 1010 SQ. FT. **1-BEDROOM C** 860 SQ. FT.

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Troy, MI 48084

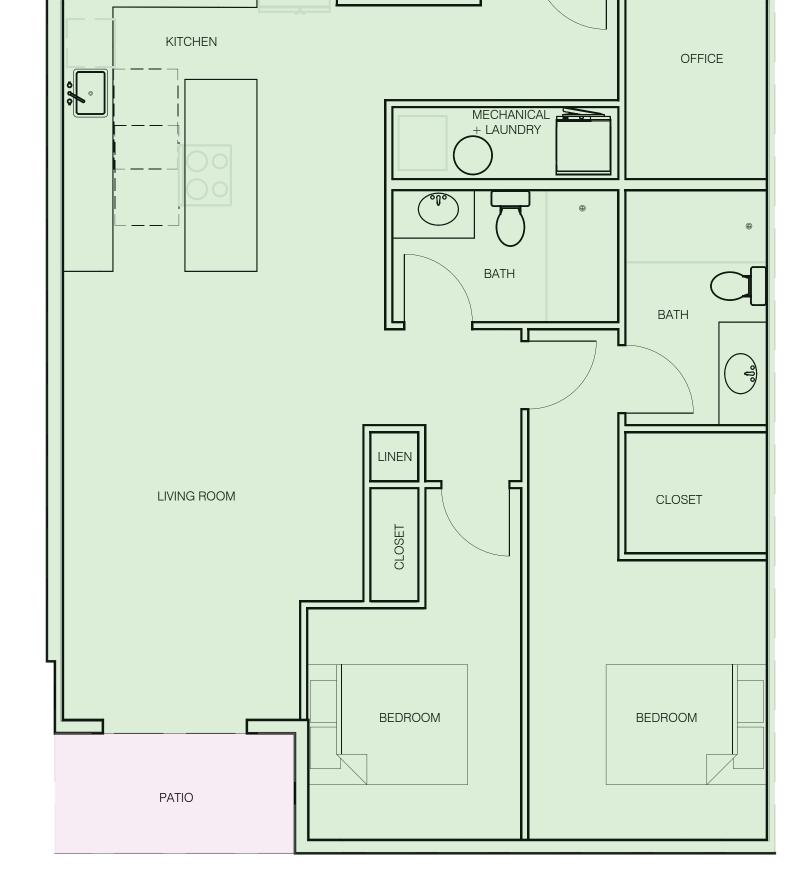
Enlarged 1-Bedroom Unit Plans

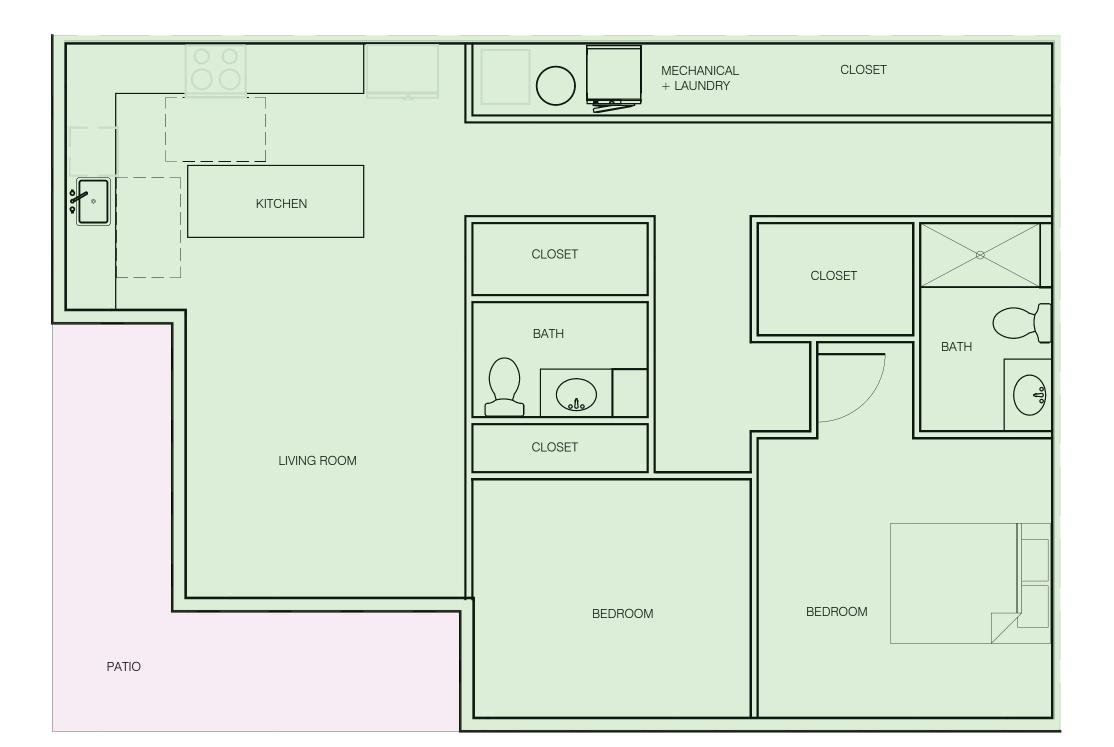
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D UNIT ENLARGED PLAN

C UNIT ENLARGED PLAN







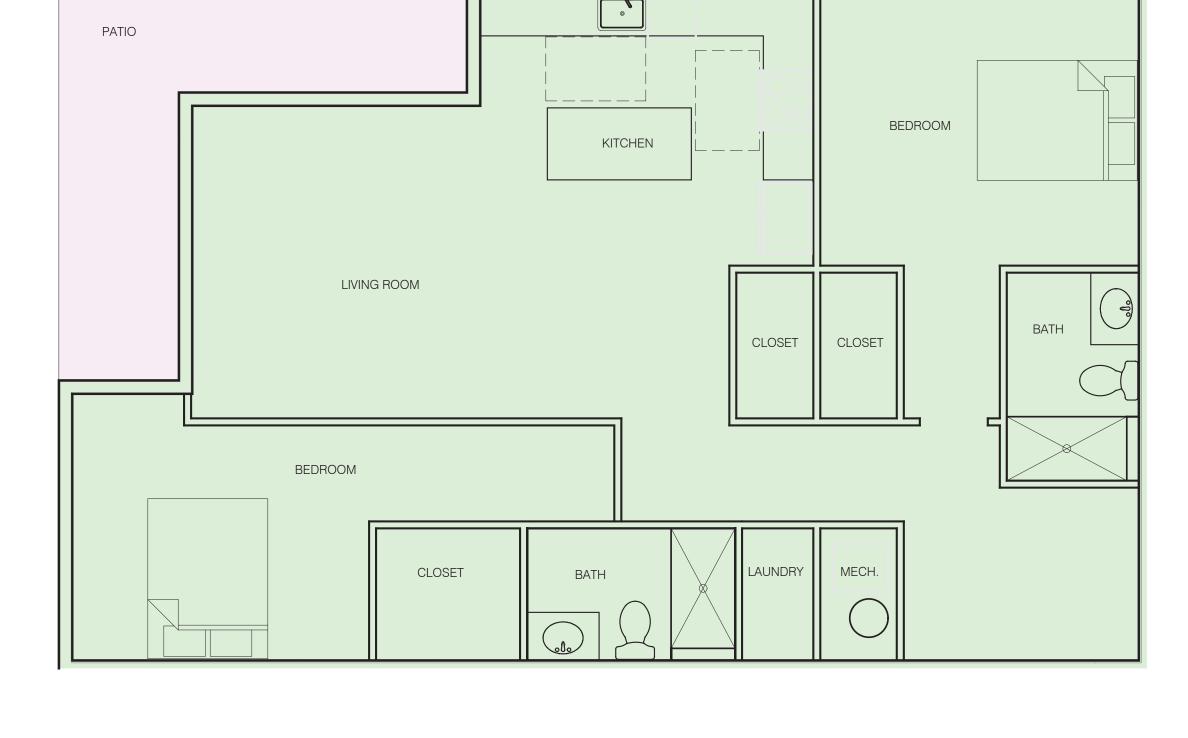
2-BEDROOM F 1100 SQ. FT.

2-BEDROOM E 1073 SQ. FT.

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Troy, MI 48084

Enlarged 2-Bedroom Unit Plans

022019





2-BEDROOM H 1170 SQ. FT.

2-BEDROOM G 1218 SQ. FT.

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Troy, MI 48084

Enlarged 2-Bedroom Unit Plans

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H UNIT ENLARGED PLAN



PENTHOUSE I 1773 SQ. FT.

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Elevate Troy
Troy, MI 48084

Enlarged Penthouse I Unit Plans

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SCALE: 1/4" = 1'-0"



PENTHOUSE J 1534 SQ. FT.

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SPA Re-Submittal

ISSUANCE

Site Plan Approval 05/10/24

Elevate Troy
Troy, MI 48084

Enlarged Penthouse J Unit Plans

022019

SCALE: 1/4" = 1'-0"

J UNIT ENLARGED PLAN



PENTHOUSE K 1936 SQ. FT.

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Elevate Troy
Troy, MI 48084

Enlarged Penthouse K Unit Plans

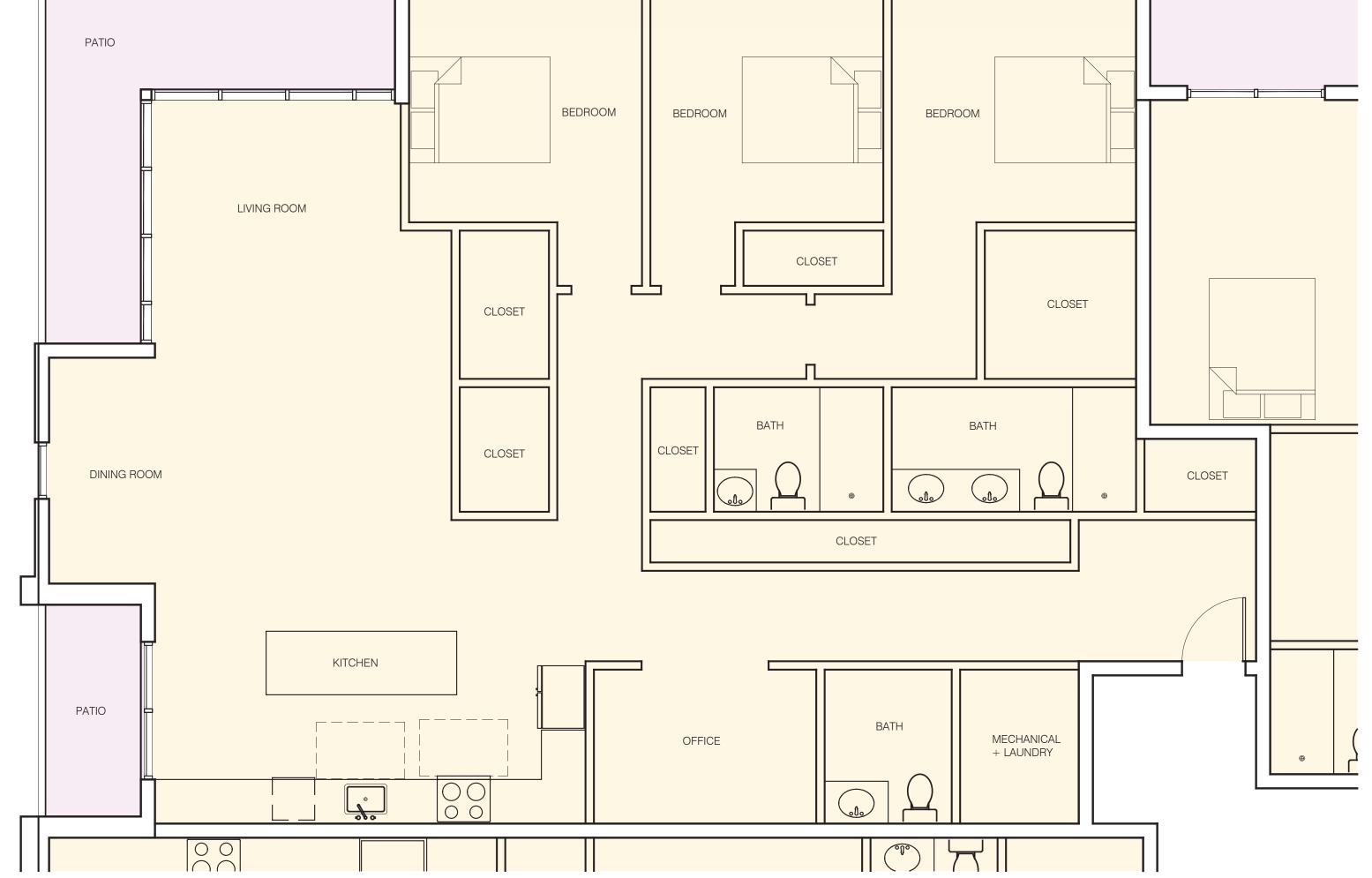
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Site Plan Approval 05/10/24

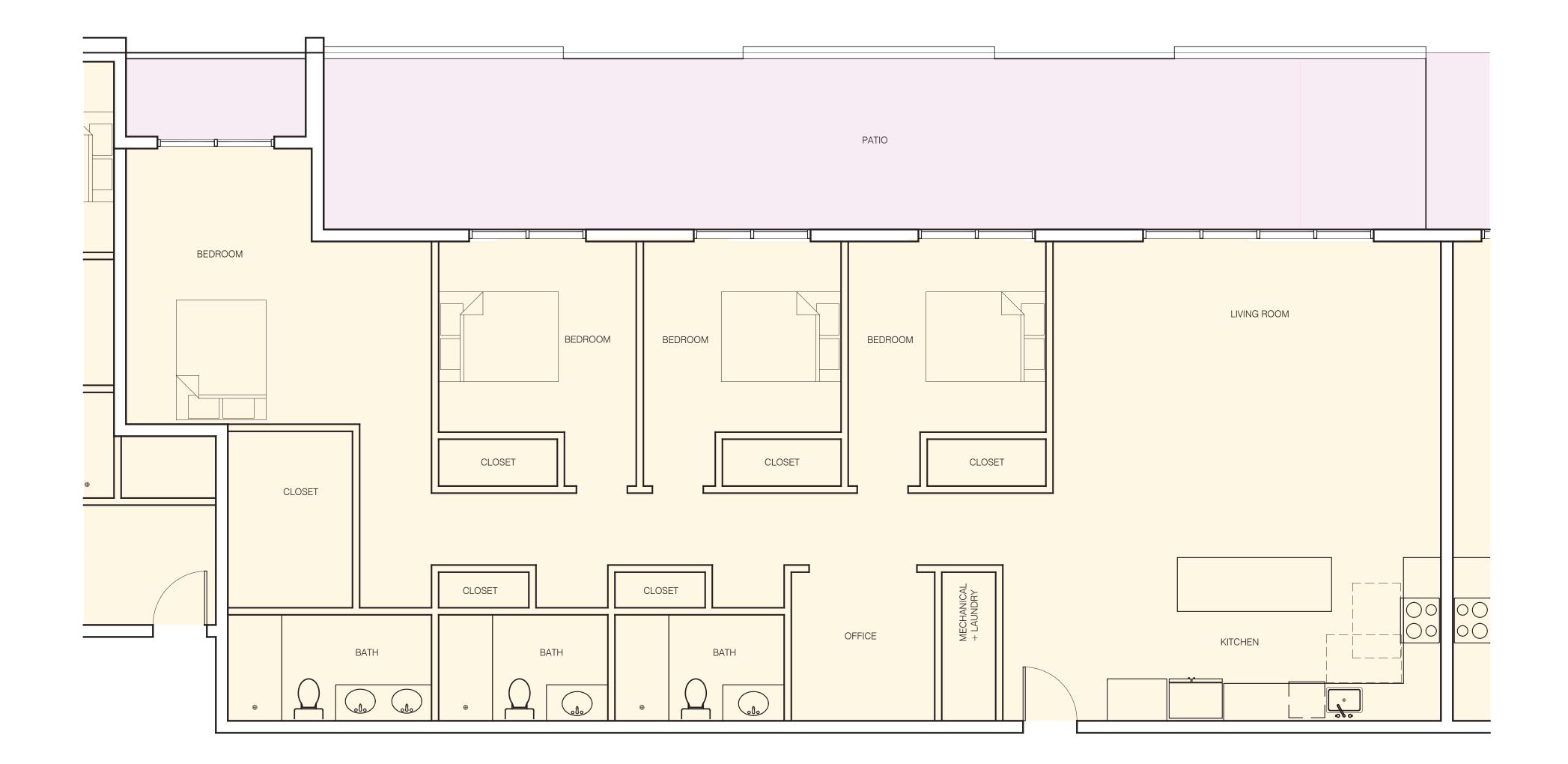
ISSUANCE

SCALE: 1/4" = 1'-0"

PENTHOUSE L 1846 SQ. FT.



PATIO LIVING ROOM CLOSE	BATH BATH	
PATIO	OFFICE BATH MECHANICAL + LAUNDRY	



EST 1998

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----SPA Re-Submittal 2 10/29/24

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Elevate Troy
Troy, MI 48084

Enlarged Penthouse M Unit Plans

022019



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SPA Re-Submittal 2	10/29/2	

SPA Re-Submittal 2	10/29/24	
SPA Re-Submittal	08/26/24	
Site Plan Approval	05/10/24	
Pre-App Meeting	01.23.24	
ISSUANCE	DATE	

Elevate Troy
Troy, MI 48084

Enlarged Penthouse N Unit Plans

022019





Render 4 | Southwest Perspective, Parking



Southeast Perspective, Parking





Render 1 | Northwest Perspective, Big Beaver Entrance

SUITE 300 MI 48326

T:248.601.4422

SPA Re-Submitta Site Plan Approval Pre-App Meeting ISSUANCE

Graphic Mustrations

Elevate Troy 1787 W Big Beaver Troy, MI 48084

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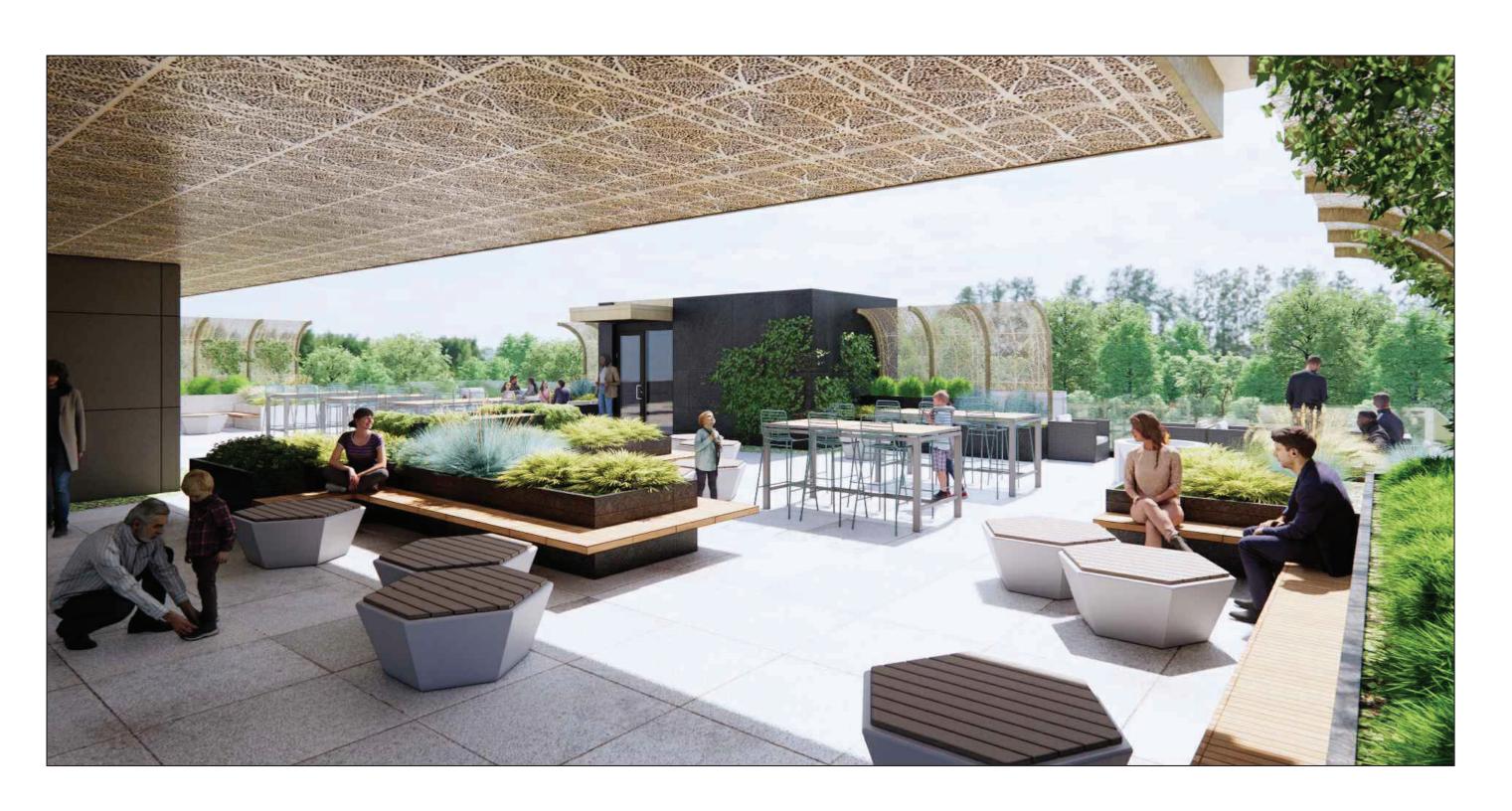








Render 2 | Rooftop Terrace Entry & Overhang





Render 1 | Rooftop Terrace Plan Perspective

SPA Re-Submittal 2 SPA Re-Submittal Site Plan Approval 05/10/24 Pre-App Meeting ISSUANCE

Graphic Illustrations Elevate Troy 1787 W Big Beaver Troy, MI 48084

022019

A10.1



May 21, 2024

Mr. Jason Hamama Encore Development 1985 W. Big Beaver Road, Suite 300 Troy, Michigan 48084

Re: Proposed 1787 W. Big Beaver Road Elevate Troy Mixed-Use Development Shared Parking Analysis City of Troy, Michigan 200-620772-24001

Dear Mr. Hamma:

Tetra Tech (Tt) has completed our shared parking analysis for the proposed Elevate Troy development to be located in the southeast quadrant of Big Beaver Road and Todd Drive, based on the site plan dated May 13, 2024, which is attached to this memo. As we understand it, currently the site has an existing 246-seat quality restaurant, 6,207 sq. ft. of retail space, and 13,414 sq. ft. of office space, and proposes an additional 2,462 sq. ft. of retail space, a 50-seat breakfast\unch only restaurant, 52 studio\1-bedroom apartments and 19 2-bedroom\penthouse apartments. This study has been completed in accordance with typical requirements of a shared parking analysis within the City of Troy.

Planned Operations – 50-Seat Restaurant

According to discussions with your office, the proposed 50-seat restaurant is currently planned to be occupied by a restaurant specializing in breakfast\brunch meals. This type of restaurant typically operates from 6:30 a.m. to 2:30 p.m. only, does not operate during the late-afternoon or evening periods, and it is our understanding that this is the planned operations for this facility.

Shared Parking Analysis

The Urban Land Institute (ULI) shared parking methodologies were implemented to determine an accurate parking demand for the proposed site. It is common for retail and restaurants to have varying peak hourly and monthly parking demands, as well as being shared destinations (e.g., a customer who shops at the retail stores may also visit a restaurant). Therefore, a shared parking analysis is necessary to accurately determine the amount in which the number of required parking spaces could be reduced by, as compared to the sum of the individual parking requirements for each land use on the site.



The City of Troy accepts Shared Parking methodology, but requires that the analysis be performed utilizing City of Troy parking requirements for the base parking determination, but using ULI rates for Time-Of-Day, weekday and weekend, and monthly adjustments factors. The following parking rates within the ULI spreadsheet were adjusted to match City of Troy ordinance requirements.

Land Use	Original ULI Parking Rate	City of Troy Parking Rate				
Retail (<400 ksf)	2.90/sq. ft. visitor weekday 0.70/sq. ft. employee weekday 3.20/sq. ft. visitor weekend 0.80/sq. ft. employee weekend	1 space/250 sq. ft. or 4 spaces/ksf				
Fine/Casual Dining	13.25/sq. ft. visitor weekday 2.25/sq. ft. employee weekday 15.25/sq. ft. visitor weekend 2.50/sq. ft. employee weekend	1 space/2 seats				
Family Restaurant	15.25/sq. ft. visitor weekday 2.15/sq. ft. employee weekday 15.00/sq. ft. visitor weekend 2.10/sq. ft. employee weekend	1 space/2 seats				
Office <25 ksf	0.30/sq. ft. visitor weekday 3.50/sq. ft. employee weekday 0.03/sq. ft. visitor weekend 0.35/sq. ft. employee weekend	1 space/300 sq. ft. or 3.33 spaces/ksf				
Residential, Suburban						
,	0.10/unit visitor weekday 0.85/unit employee weekday 0.15/unit visitor weekend 0.85/unit employee weekend	1 space/unit				
2 Bedrooms	0.10/unit visitor weekday 1.65/unit employee weekday 0.15/unit visitor weekend 1.65/unit employee weekend	2 spaces/unit				

Ratios of employee and visitor parking to the total parking requirement were determined for each land use, and applied to the City of Troy rates to determine the split of required ordinance parking between employee and visitor uses. Refer to the attached "Conversion Worksheet, ULI Default Parking Rates to City of Troy Ordinance Parking Requirements: spreadsheet for the conversion calculations.



Additionally, since the breakfast\brunch restaurant, classified as a Family Restaurant within the ULI analysis, will not be open in the late afternoon or evening, hourly adjustment factors between 5:00 p.m. and midnight were set to zero, reflecting that the restaurant is closed. Although the restaurant would be open only until 2:30 p.m., this was assumed to be the latest they would accept customers, and that so-called late-arrivers and staff (after-hours cleaning and other duties) would have left by 5:00 p.m. at the latest.

Tetra Tech analyzed the differences in activity patterns, which include monthly and time of day variances, for each land use. This is because the various land uses of the Elevate Troy site do not have peak utilization during the same time periods. Time-of-Day factors for weekdays and weekends and monthly adjustment factors for the various land uses can be found in the attached ULI Shared Parking spreadsheets. Additionally, it was assumed that the residential units would be 100% reserved, meaning that the residential units would have dedicated parking that could not be used by the other uses on the site.

The next step of the analysis was to determine the critical parking periods for the site. All hours of operation from 6:00 a.m. to midnight were analyzed for each month of the year (including an additional late December analysis). The result showed that the month of December has the highest peak demands of the year. Furthermore, the overall peak time of the day for the entire site was determined to be 1:00 p.m. for weekdays and 12:00 p.m. during weekends. Therefore, the overall peak period of the proposed site would be a weekday afternoon in December, resulting in a maximum demand of 278 required parking spaces (the weekday peak period would require 256 parking spaces). Detailed tables can be found in the attached ULI Shared Parking spreadsheets.

Based on the above analysis, the overall peak period of the proposed site would be a weekday afternoon in December, resulting in a maximum of 278 required parking spaces based on the proposed site plan, resulting in a parking surplus of 1 space.



Conclusions and Recommendations

The proposed Elevate Troy mixed-use development consists of an existing 246-seat quality restaurant, 6,207 sq. ft. of retail space, and 13,414 sq. ft. of office space, and proposes an additional 2,462 sq. ft. of retail space, a 50-seat breakfast\brunch only restaurant, 52 studio\1-bedroom apartments and 19 2-bedroom\penthouse apartments. The current site plan dated May 13, 2024 indicates 279 parking spaces throughout the site.

Tetra Tech utilized ULI shared parking reductions for monthly and hourly variances between land uses, based on City of Troy parking ordinance requirements, which results in the peak time period to be a weekend evening in the month of December requiring a maximum of 278 parking spaces.

Please see the PEA Group site plan for the proposed layout of the site.

We trust that this letter fulfills your current transportation needs regarding your site. If you have any questions, please feel free to call our office at (810)-220-2112.

Sincerely,

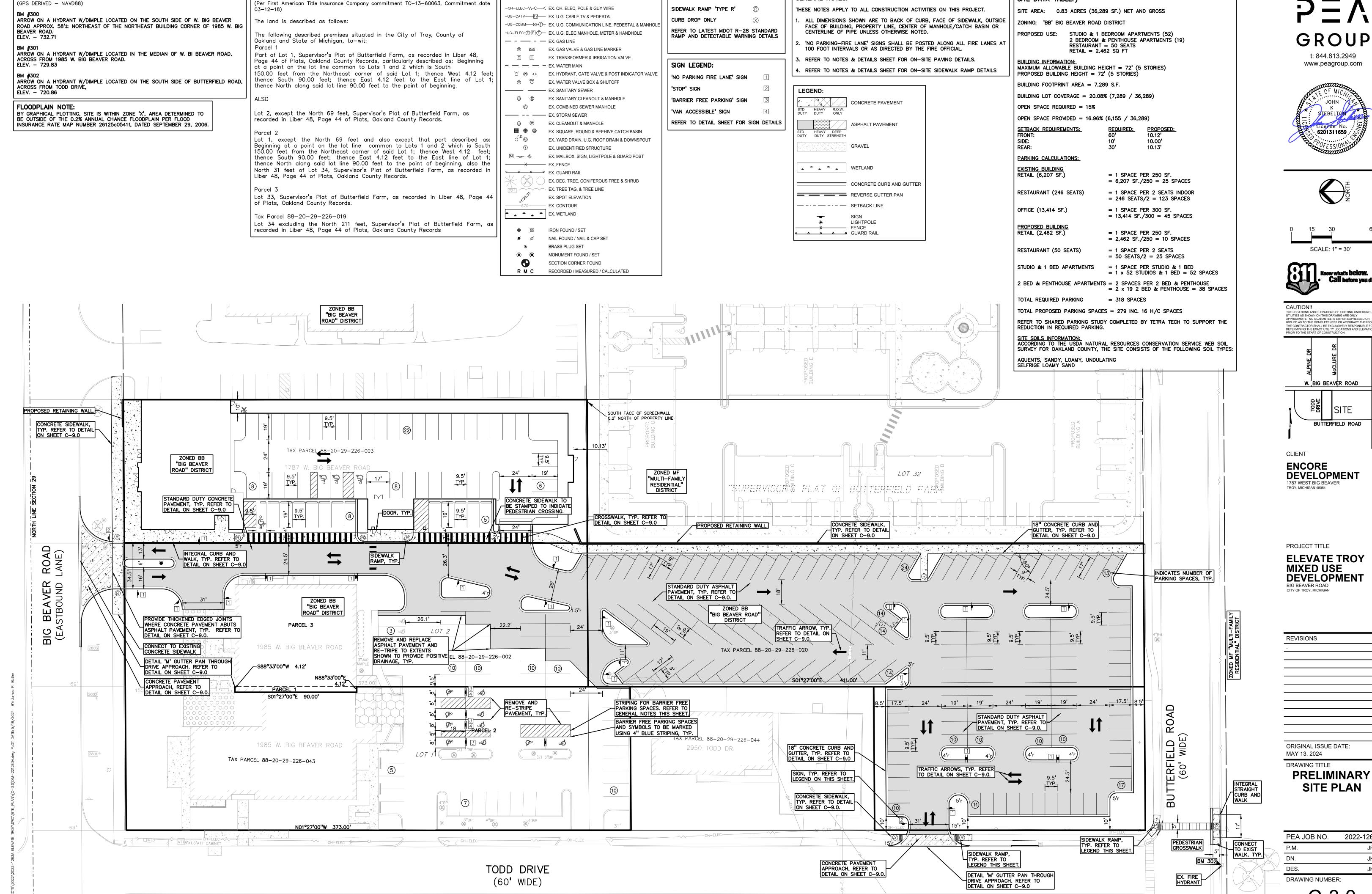
Kyle W. Ramakers, P.E., PTOE

Wham

Transportation Engineer

200-620772-24001

SITE PLAN



SIDEWALK RAMP LEGEND:

GENERAL NOTES:

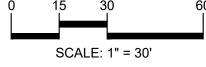
SITE DATA TABLE:)

LEGEND:

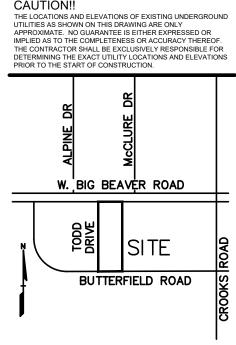
LEGAL DESCRIPTION:

BENCHMARKS









REVISIONS
<u>-</u>
ORIGINAL ISSUE DATE: MAY 13, 2024
DRAWING TITLE

2022-1263

JKS JKS

NOT FOR CONSTRUCTION

ULI TO CITY OF TROY PARKING RATE

CONVERSION SPREADSHEET

CONVERSION WORKSHEET, ULI DEFAULT PARKING RATES TO CITY OF TROY ORDINANCE PARKING REQUIREMENTS

Land Use		Weekday			Weekend		Unit																		
Land Use	Visitor	Employee	Total	Visitor	Employee	Total																			
		Retail																							
Retail (<400 ksf)	3.20	0.80	4.00	3.20	0.80	4.00	ksf	4 spaces pe	er ksf = 1 spac	e per 250 sf	; Used same	ratio for Wee	ekday as pro	ovided for W	eekend										
Discount Stores/Superstores	3.40	0.85	4.25	3.80	0.95	4.75	ksf			ULI Rates b	ased on KSF			Ratios of ULI Rates of Visitors and Employees			S		Convertin	ng ULI ksf Ra	tios to Tro	y Seating			
Home Improvement Stores/Garden	3.10	0.80	3.90	3.45	0.90	4.35	ksf		Weekday Weekend				Weekday			Weekend			Weekday	day Weekend		Weekend			
	F	ood and Be	verage					Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total
Fine/Casual Dining	0.43	0.07	0.50	0.43	0.07	0.50	seats	13.25	2.25	15.50	15.25	2.50	17.75	0.854839	0.145161	1.000000	0.859155	0.140845	1.000000	0.43	0.07	0.500000	0.43	0.07	0.500000
Family Restaurant	15.25	2.15	17.40	15.00	2.10	17.10	seats	15.25	2.15	17.40	15.00	2.10	17.10	0.876437	0.123563	1.000000	0.877193	0.122807	1.000000	0.44	0.06	0.500000	0.44	0.06	0.500000
Fast Casual/Fast Food	12.30	1.99	14.29	12.34	1.95	14.29	ksf	12.40	2.00	14.40	12.70	2.00	14.70	0.861111	0.138889	1.000000	0.863946	0.136054	1.000000	12.3	1.99	14.29000	12.34	1.95	14.29000
Bar/Lounge/Night Club	15.25	1.25	16.50	17.50	1.50	19.00	ksf															14.28571	=1000/70		
	Н	otel and Res	idential																						
Convention (100 to 200 sq ft/key)	0.00	0.00	0.00	5.50	0.00	5.50	kfs			ULI Rates ba	sed on Unit	s		Ratios of ULI Rates of Visitors and Employees			S		Con	verting ULI	Ratios to 1	roy			
Convention (> 200 sq ft/key)	5.50	0.50	6.00	5.50	0.50	6.00	ksf		Weekday			Weekend			Weekday			Weekend			Weekday			Weekend	
Residential, Suburban								Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total	Visitor	Employee	Total
C. II Eff. :	0.00		4 00	0.00	1.00	4.00		0.10	0.85	0.95	0.15	0.85	4 00		0.004707	1.000000	0.45	0.85	1.000000					- 1	1.000000
Studio Efficiency	0.00	1.00	1.00	0.00	1.00	1.00	units	0.10	0.85	0.55	0.13	0.65	1.00	0.105263	0.894737	1.000000	0.15	0.85	1.000000	0	1	1.000000	0	1	
1 Bedroom	0.00	1.00	1.00	0.00	1.00	1.00	units	0.10	0.85	1.00	0.15	0.90	1.00	0.105263 0.1			0.15	0.85		0	1 1	1.000000 1.000000	0	1	1.000000
											1			0.1	0.9	1.000000	0.142857		1.000000	0 0 0	1 1 2		0 0 0	1 2	
1 Bedroom	0.00	1.00	1.00	0.00	1.00	1.00	units	0.10	0.90	1.00	0.15	0.90	1.05	0.1	0.9	1.000000	0.142857	0.857143	1.000000	0 0 0	1 1 2	1.000000	0 0 0	1 2	1.000000
1 Bedroom 2 Bedrooms	0.00	1.00	1.00 2.00	0.00 0.00	1.00	1.00 2.00	units units	0.10	0.90	1.00	0.15	0.90	1.05	0.1 0.057143	0.9	1.000000	0.142857 0.083333	0.857143 0.916667	1.000000 1.000000	0 0 0	1 1 2	1.000000		1 1 2	1.000000
1 Bedroom 2 Bedrooms 3+ Bedrooms	0.00 0.00 0.10	1.00 2.00 2.50	1.00 2.00 2.60	0.00 0.00 0.15	1.00 2.00 2.50	1.00 2.00 2.65	units units units	0.10	0.90	1.00	0.15 0.15	0.90	1.05	0.1 0.057143	0.9 0.942857	1.000000	0.142857 0.083333	0.857143 0.916667	1.000000 1.000000	0 0	1 1 2 Con	1.000000 2.000000		1 1 2 Troy	1.000000
1 Bedroom 2 Bedrooms 3+ Bedrooms 3+ Bedrooms	0.00 0.00 0.10 0.10	1.00 2.00 2.50 2.50	1.00 2.00 2.60 2.60 0.85	0.00 0.00 0.15 0.15	1.00 2.00 2.50 2.50	1.00 2.00 2.65 2.65	units units units units	0.10	0.90	1.00	0.15 0.15	0.90 1.65	1.05	0.1 0.057143	0.9 0.942857 Ratios of UL	1.000000	0.142857 0.083333	0.857143 0.916667 Employee	1.000000 1.000000	0 0 0		1.000000 2.000000 nverting ULI			1.000000
1 Bedroom 2 Bedrooms 3+ Bedrooms 3+ Bedrooms	0.00 0.00 0.10 0.10	1.00 2.00 2.50 2.50 0.30	1.00 2.00 2.60 2.60 0.85	0.00 0.00 0.15 0.15	1.00 2.00 2.50 2.50	1.00 2.00 2.65 2.65	units units units units	0.10	0.90 1.65 Weekday	1.00 1.75 ULI Rates b	0.15 0.15	0.90 1.65 Weekend	1.05	0.1 0.057143 Visitor	0.9 0.942857 Ratios of UL Weekday Employee	1.000000 1.000000 I Rates of V	0.142857 0.083333 isitors and	0.857143 0.916667 Employees Weekend Employee	1.000000 1.000000	0 0 0 Visitor 0.26	Weekday	1.000000 2.000000 nverting ULI	Ratios to 1	Weekend	1.000000
1 Bedroom 2 Bedrooms 3+ Bedrooms 3+ Bedrooms Active Senior Housing	0.00 0.00 0.10 0.10 0.55	1.00 2.00 2.50 2.50 0.30 Office	1.00 2.00 2.60 2.60 0.85	0.00 0.00 0.15 0.15 0.42	1.00 2.00 2.50 2.50 0.30	1.00 2.00 2.65 2.65 0.72	units units units units units	0.10 0.10 Visitor	0.90 1.65 Weekday Employee	1.00 1.75 ULI Rates b	0.15 0.15 ased on KSF Visitor	0.90 1.65 Weekend Employee	1.05 1.80	0.1 0.057143 Visitor	0.9 0.942857 Ratios of UL Weekday Employee	1.000000 1.000000 I Rates of V	0.142857 0.083333 isitors and	0.857143 0.916667 Employees Weekend Employee	1.000000 1.000000	- Colonia	Weekday Employee	1.000000 2.000000 nverting ULI	Ratios to	Weekend Employee	1.000000 2.000000

Troy Ordinance

Open Plan/High Density Office

Office 100 to 500 ksf

Medical/Dental Office

Bank (Drive In Branch)

Office >500 ksf

Day Care Center

1 spaces per each efficiency unit 2 spaces per each dwelling unit

Original revisions based on Troy ordinance requirements

0.36

0.28

0.61

0.00

4.75

Additional revisions based on Troy ordinance requirements, May 3, 2024

ksf

ksf

ksf

ksf

ksf

Overall residential parking ratio: 1.25 spaces per unit

1.2500 Overall ratio efficiency units space

0.26

0.20

0.25

3.00

1.75

3.50

3.29

2.60

5.75

1.60

2.50

3.55

2.80

6.00

4.60

6.00

0.03

0.02

0.03

0.00

3.00

0.33

0.26

0.58

0.00

1.75

dwelling units 1 spaces

1.24528

40 efficiency units space

13 dwelling units spaces

ULI SHARED PARKING ANALYSIS

SPREADSHEETS & GRAPHS

Copyright © 2020 All rights reserved. The Urban Land Institute, International Council of Shopping Centers, and National Parking Association.

Project: 200-620772-24001

Description: Encore Development Troy

						Shar	ed Parking	Demand S	ummary									
					Peak IV	lonth: DE	CEMBER	Peak Peri	iod: 1 PM,	WEEKDAY								
					Weekday					Weekend				Weekday			Weekend	
Land Use	Proje	ct Data	Base Ratio	Driving Adj	Non- Captive	Project Ratio	Unit For Ratio	Base Ratio	Driving Adj	Non- Captive	Project Ratio	Unit For Ratio	Peak Hr Adj	Peak Mo Adj	Estimated Parking	Peak Hr Adj	Peak Mo Adj	Estimated Parking
	Quantity	Unit	Ratio	Auj	Ratio	Ratio	Ratio	Katio	Auj	Ratio	Ratio	Ratio	1 PM	December	Demand	12 PM	December	Demand
							R	etail										
Retail (<400 ksf)	8,669	sf GLA	3.20	100%	95%	3.04	ksf GLA	3.20	100%	96%	3.07	ksf GLA	100%	100%	27	100%	100%	27
Employee			0.80	100%	99%	0.79		0.80	100%	99%	0.79		100%	100%	7	100%	100%	7
							Food an	d Beverage	е									
Fine/Casual Dining	246	seats	0.43	100%	98%	0.42	ksf GLA	0.43	100%	97%	0.42	ksf GLA	75%	100%	78	50%	100%	51
Employee			0.07	100%	99%	0.07		0.07	100%	99%	0.07		90%	100%	16	75%	100%	13
Family Restaurant	50	seats	0.44	100%	98%	0.43	ksf GLA	0.44	100%	97%	0.43	ksf GLA	90%	100%	19	100%	100%	21
Employee			0.06	100%	99%	0.06		0.06	100%	99%	0.06		100%	100%	4	100%	100%	4
						Ent	ertainmen	t and Instit	tutions									
							Hotel and	d Residenti	al									
Residential, Suburban																0%		
Studio Efficiency	52	units	0.00	100%	100%	0.00	unit	0.00	100%	100%	0.00	unit	40%	100%	-	68%	100%	-
1 Bedroom		units	0.00	100%	100%	0.00	unit	0.00	100%	100%	0.00	unit	40%	100%	-	68%	100%	-
2 Bedrooms	19	units	0.00	100%	100%	0.00	unit	0.00	100%	100%	0.00	unit	40%	100%	-	68%	100%	-
3+ Bedrooms		units	0.00	100%	100%	0.00	unit	0.00	100%	100%	0.00	unit	40%	100%	-	68%	100%	-
Reserved	100%	res spaces	1.27	100%	100%	1.27	unit	1.27	100%	100%	1.27	unit	100%	100%	90	100%	100%	90
Visitor	71	units	0.10	100%	100%	0.10	unit	0.15	100%	100%	0.15	unit	20%	100%	2	20%	100%	2
							0	ffice										
Office <25 ksf	13,414	sf GFA	0.26	100%	100%	0.26	ksf GFA	0.26	100%	100%	0.26	ksf GFA	45%	100%	2	90%	100%	4
Reserved		empl	0.00	100%	100%	0.00		0.00	100%	100%	0.00		100%	100%	-	100%	100%	-
Employee			3.07	100%	95%	2.93		3.07	100%	95%	2.93		85%	100%	34	90%	100%	36
							Addition	al Land Use	es									
													Custome	er/Visitor	127	Cust	omer	105
													Employee	e/Resident	61	Employee	e/Resident	60
													Rese	erved	90	Res	erved	90
													To	otal	278	To	otal	256

Project: 200-620772-24001
Description: Encore Development Troy
Projected Parking Supply: 279

NOTE: Enter project information in the table below. It automatically transfers TOTAL quantities (Col note if you change units for ratio, be sure to change the calculation of maximum spaces insert supply by zone and type on Zonal Analysis page to calculate surplus/deficits

See table to calculate local zoning requirements to right.

Note you can also insert supply by zone and type of soace on Zonal Analysis Sheet

	Qua	ntity	Weekday	Weekend
Retail (<400 ksf)	Retail 8,669	sf GLA	28	28
Employee Retail (400 to 600 ksf)	-	sf GLA	7	7
Employee	-		0	0
Retail (600 ksf to 1,000 ksf) Employee	-	sf GLA	0	0
Retail (1,000 ksf to 2,000 ksf) Employee	-	sf GLA	0	0
Retail (over 2,000 ksf)	-	sf GLA	0	0
Employee Supermarket/Grocery	-	sf GLA	0	0
Employee Pharmacy	-	sf GLA	0	0
Employee Discount Stores/Superstores		sf GLA	0	0
Employee			0	0
Home Improvement Stores/Garden Employee	-	sf GLA	0	0
Food at Fine/Casual Dining	nd Beverage 246	sf GLA	106	106
Employee			18	18
Family Restaurant Employee	50	sf GLA	22 4	22 4
Fast Casual/Fast Food Employee	-	sf GLA	0	0
Bar/Lounge/Night Club	-	sf GLA	0	0
	it and Instituti	ons	0	0
Family Entertainment Employee	-	sf GLA	0	0
Active Entertainment	-	sf GLA	0	0
Employee Amusement Park/Water Park	-	sf GLA	0	0
Employee Adult Active Entertainment		sf GLA	0	0
Employee			0	0
Cineplex Employee	-	seats	0	0
Specialty Movie Theatre Employee	-	seats	0	0
Live Theater	-	seats	0	0
Employee Outdoor Amphitheater	-	seats	0	0
Employee Public Park/Destination Open Space	-	acre	0	0
Employee Museum/Aquarium		sf GLA	0	0
Employee	-	ST GLA	0	0
Arena Employee	-	seats	0	0
Pro Football Stadium	-	seats	0	0
Employee Pro Baseball Stadium	-	seats	0	0
Employee Health Club	-	sf GLA	0	0
Employee Public Library		sf GLA	0	0
Employee	-		0	0
Convention Center Employee	-	sf GLA	0	0
Hotel an Hotel-Business	d Residential	keys	0	0
Hotel-Leisure	-	keys	0	0
Hotel Employees Restaurant/Lounge	-	keys sf GLA	0	0
Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key)	-	sf GLA sf GLA	0	0
Meeting/Banquet (50 to 100 sq ft/key)		sf GLA	0	0
Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key)	-	sf GLA sf GLA	0	0
Restaurant/Meeting Employees Residential, Suburban	-	sf GLA	0	0
Studio Efficiency	52	units	0	0
1 Bedroom 2 Bedrooms	19	units	0	0
3+ Bedrooms Reserved	-	units res spaces	0 90	0 90
Visitor	71	units	8	11
Residential, Urban Studio Efficiency		units	0	0
1 Bedroom 2 Bedrooms	-	units	0	0
3+ Bedrooms		units	0	0
Reserved Visitor	100%	res spaces units	0	0
Active Senior Housing Residents	-	units	0	0
(Office			
Office <25 ksf Reserved weekday only =1, 24/7 2	13,414	sf GFA empl	4 0	4
Employee Office 25 to 100 ksf		sf GFA	42	42
Reserved weekday only =1, 24/7: 2	0%	st GFA empl	0	0
Employee Office =100 ksf		sf GFA	0	0
Reserved weekday only =1, 24/7: 2	0%	empl	0	0
Employee Office 100 to 500 ksf	-	sf GFA	0	0
Reserved weekday only =1, 24/7: 2 Employee	0%	empl	0	0
Office >500 ksf	0%	sf GFA	0	0
Reserved weekday only =1, 24/7: 2 Employee	0%	empl	0	0
Open Plan/High Density Office Reserved weekday only =1, 24/7: 2	0%	sf GFA empl	0	0
Employee Medical/Dental Office	0,0	sf GFA	0	0
Employee	_		0	0
Day Care Center Employee	-	sf GFA	0	0
Bank (Drive In Branch)	-	sf GFA	0	0
Employee Addition	al Land Uses		0	0
Additional Land Use 1 Employee	-		0	0
Additional Land Use 2	-		0	0
Employee Additional Land Use 3	-		0	0
Employee			0	0
Additional Land Use 4	-			

	of Land Use by	Zone	sheet	
Note you can also insert supply by zone and Distribution Land Use	Unit	Zone 1 Iantity of Land U		Zone :
	Retail			
Retail (<400 ksf)	sf GLA	8,669	8,669	100%
Employee Retail (400 to 600 ksf)	sf GLA	-	<u> </u>	100%
Employee				0%
Retail (600 ksf to 1,000 ksf) Employee	sf GLA	-		0%
Retail (1,000 ksf to 2,000 ksf)	sf GLA	-		0%
Employee Retail (over 2,000 ksf)	sf GLA	-	//////////////////////////////////////	0%
Employee	sf GLA			0%
upermarket/Grocery Employee	ST GLA	·	· · · · ·	0% 0%
harmacy	sf GLA	·		0%
Employee Nscount Stores/Superstores	sf GLA	-		0%
Employee Iome Improvement Stores/Garden	sf GLA			0%
Employee	STGLA	-	-	0%
Food	and Beverage			
ine/Casual Dining Employee	sf GLA	246	246	100%
amily Restaurant	sf GLA	50	50	100%
Employee ast Casual/Fast Food	sf GLA	-	<u> </u>	100%
Employee				0%
ar/Lounge/Night Club Employee	sf GLA			0%
Entertainm	ent and Institut	ions		
amily Entertainment	sf GLA	-		0% 0%
Employee active Entertainment	sf GLA			0%
Employee musement Park/Water Park	sf GLA	-		0%
Employee				0%
Adult Active Entertainment Employee	sf GLA	-		0% 0%
Cineplex	seats	-		0%
Employee	cort-			0%
pecialty Movie Theatre Employee	seats			0%
ive Theater	seats			0%
Employee Outdoor Amphitheater	seats	-	//////////////////////////////////////	0%
Employee				0%
ublic Park/Destination Open Space Employee	acre	-		0%
/luseum/Aquarium	sf GLA	· · · · · · · · · · · · · · · · · · ·		0%
Employee Irena	seats			0%
Employee				0%
ro Football Stadium Employee	seats			0%
ro Baseball Stadium	seats	-		0%
Employee lealth Club	sf GLA		- -	0%
Employee				0%
Public Library	sf GLA			0% 0%
Employee Convention Center	sf GLA		-	0%
Employee	and Residential			0%
Hotel-Business	keys	-	-	0%
lotel-Leisure	keys	-		0%
Hotel Employees Restaurant/Lounge	keys sf GLA	-	////// ///////////////////////////////	0% 0%
Meeting/Banquet (0 to 20 sq ft/key)	sf GLA	-	-	0%
Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key)	sf GLA sf GLA		-	0%
Convention (100 to 200 sq ft/key)	sf GLA	-	-	0%
Convention (> 200 sq ft/key) Restaurant/Meeting Employees	sf GLA sf GLA			0% 0%
esidential, Suburban				
Studio Efficiency 1 Bedroom	units	52	52	100%
2 Bedrooms	units	19	19	100%
3+ Bedrooms Reserved	units	71	71	100%
Visitor	units	71	71	100%
esidential, Urban Studio Efficiency	units			0%
1 Bedroom	units			0%
2 Bedrooms 3+ Bedrooms	units	-	-	0% 0%
3+ Bedrooms Reserved	units			0%
Visitor	units			0%
ective Senior Housing Jesidents	units			0%
	Office			
	sf GFA	13,414	13,414	100%
Reserved Employee	sf GFA empl	13,414	13,414	100%
Reserved Employee Office 25 to 100 ksf	sf GFA empl	13,414	13,414	100% 100% 0%
Reserved Employee office 25 to 100 ksf Reserved Employee	sf GFA empl sf GFA empl	13,414	13,414	100% 100% 0% 0% 0%
Reserved Employee fifice 25 to 100 ksf Reserved Employee office =100 ksf	sf GFA empl sf GFA empl	-	13,414	100% 100% 0% 0% 0% 0%
Reserved Employee fifice 25 to 100 ksf Reserved Employee office =100 ksf Reserved Employee	sf GFA empl sf GFA empl sf GFA empl	13,414	13,414	100% 100% 0% 0% 0% 0% 0% 0%
Reserved Employee ffice 25 to 100 ksf Reserved Employee ffice =100 ksf Reserved Employee ffice =00 ksf Reserved Employee	sf GFA empl sf GFA empl sf GFA empl	13,414	13,414	100% 100% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee fifice 25 to 100 ksf Reserved Employee fifice 100 ksf Reserved Employee fifice 100 to 500 ksf Reserved Employee	sf GFA empl sf GFA empl sf GFA empl	13,414	13,414	100% 100% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 25 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee	sf GFA empl	13,414	13,414	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 2 to 100 ksf Reserved Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee Employee	sf GFA empl sf GFA empl sf GFA empl	13,414	-	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Hittle = 100 ksf Reserved Controlives Office = 100 ksf Reserved Employee Office = 500 ksf Reserved Employee Office > 500 ksf Reserved Employee Employee Employee Office > 500 ksf Reserved Employee	sf GFA empl sf GFA empl	13,414	-	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Wiffice 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Employee Employee Miffice 500 ksf Reserved Employee Miffice 500 ksf Reserved Miffice 500 ksf	sf GFA empl		-	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Office 500 ksf Reserved Employee Employee Office 800 ksf Reserved Employee Employee Employee Office Reserved Employee Office Rese	sf GFA empl sf GFA empl	13,414	-	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Office =100 ksf Reserved Employee Office =100 ksf Reserved Employee Office =100 ksf Reserved Office =100 ksf Reserved Office =500 ksf Reserved Employee Employee Employee Reserved Reserved Reserved Employee Reserved Reserved Reserved Employee Reserved Reserved Reserved Reserved Reserved Reserved Reserved Employee Employee	sf GFA empl sf GFA empl	13,414	-	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Office 500 ksf Reserved Employee Office 500 ksf Reserved Employee Office Reserved Employee	sf GFA empl sf GFA empl	13,414	-	100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Depen Plan/High Density Office Reserved Employee	sf GFA empl sf GFA empl	13,414	-	100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Employee Employee Employee Employee Employee Employee Brandorder Brandorder Employee Brandorder Employee Brandorder Employee Brandorder Brando	of GFA empl of GFA empl	-		100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Employee Employee Reserved Reserved Reserved Employee Reserved Reserved Reserved Employee Reserved Reserv	sf GFA empl sf GFA empl	-		100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 lsf Reserved Employee Iffice 100 lsf Reserved Employee Iffice 100 lsf Reserved Infice 100 lsf Reserved Infice 100 lsf Iffice 100 lsf Reserved Employee Office 2500 lsf Reserved Employee Reserved Employee Reserved Employee Reserved Employee Infice 100 lsf Reserved Employee Infice 100 lsf Reserved Employee Infice 100 lsf Infi	of GFA empl of GFA empl	-		100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 210 100 losf Reserved Employee Office 310 losf Reserved Employee Office 300 losf Reserved Employee Employee Addition Employee Addition Employee Addition Addition Addition Addition Employee Addition Addition Addition Addition Employee Addition Addition Employee Addition Addition Employee	of GFA empl of GFA empl	-		100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Reserved Employee Office 215 to 100 ksf Reserved Employee Iffice 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 100 to 500 ksf Reserved Employee Office 100 ksf Reserved Employee Itemployee Additional Land Use 1 Employee Additional Land Use 2 Employee Indicitional Land Use 2 Employee	of GFA empl of GFA empl	-		100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%
Employee Thifee 25 to 100 ksf Reserved Employee Office -100 ksf Reserved Employee Thifee 100 ksf Reserved Employee Thifee 100 to 500 ksf Reserved Employee Thifee 100 to 500 ksf Reserved Employee Depen Plan/High Density Office Reserved Employee Employee Employee Additional Land Use 1 Employee Additional Land Use 1 Employee	of GFA empl of GFA empl	-		100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%

	_	Local C	ode		_		_	Sh	ared Parkin	g 3rd Editio	on
Land Use	Qua	intity	Parking Ratio	Unit for ratio	Maximum Spaces	Permitted Adjustment	Required Spaces	At Max Base	With Driving &	Dece Weekda	mber Weekend
					/Entertainn			Ratios	Captive	1 PM	12 PM
Retail Employee	8,669	sf GLA		ksf GLA	35	100%	35	28 7	27	27	27 7
Retail (400 to 600 ksf)	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Retail (600 ksf to 1,000 ksf)	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Retail (1,000 ksf to 2,000 ksf)	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Retail (over 2,000 ksf)	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Supermarket/Grocery	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Pharmacy	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Discount Stores/Superstores	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Home Improvement Stores/Garden	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee					d Beverage			0	0	0	0
Fine/Casual Dining Employee	246	Seats	0.5		123	100%	123	106 18	0	78 16	51 13
Family Restaurant Employee	50	sf GLA	0.5		1	100%	1	22 4	0	19 4	21 4
Fast Casual/Fast Food Employee	0	sf GLA	14.286	ksf GLA	0	100%	0	0	0	0	0
Bar/Lounge/Night Club Employee	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Family Entertainment	0	sf GLA	Ente	ertainmen ksf GLA	t and Institu	tions 100%	0	0	0	0	0
Employee Active Entertainment	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Amusement Park/Water Park	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Adult Active Entertainment	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Cineplex	0	seats		seat	0	100%	0	0	0	0	0
Employee Specialty Movie Theatre	0	seats		seat	0	100%	0	0	0	0	0
Employee Live Theater	0	seats		seat	0	100%	0	0	0	0	0
Employee Outdoor Amphitheater	0	seats		seat	0	100%	0	0	0	0	0
Employee Public Park/Destination Open Space	0	acre		seat	0	100%	0	0	0	0	0
Employee Museum/Aquarium	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Employee Arena	0	seats		seat	0	100%	0	0	0	0	0
Employee Pro Football Stadium	0	seats		seat	0	100%	0	0	0	0	0
Employee Pro Baseball Stadium								0	0	0	0
Employee	0	seats		seat	0	100%	0	0	0	0	0
Health Club Employee	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Public Library Employee	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Convention Center Employee	0	sf GLA		ksf GLA	0	100%	0	0	0	0	0
Hotel-Business	0	keys		key	d Residentia 0	100%	0	0	0	0	0
Hotel-Leisure Hotel Employees	0	keys keys		key key	0	100% 100%	0	0	0	0	0
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key)	0	sf GLA sf GLA		ksf GLA ksf GLA	0	100% 100%	0	0	0	0	0
Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key)	0	sf GLA sf GLA		ksf GLA ksf GLA	0	100% 100%	0	0	0	0	0
Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key)	0	sf GLA sf GLA		ksf GLA ksf GLA	0	100% 100%	0	0	0	0	0
Restaurant/Meeting Employees Residential, Suburban						100%	0	0	0	ō	0
Studio Efficiency 1 Bedroom	52 0	units	1	unit	52 0	100% 100%	52 0	0	0	0	0
2 Bedrooms 3+ Bedrooms	19	units	2	unit	38 0	100%	38	0	0	0	0
Reserved	100%	units res spaces		unit	0	100%	0	90	90	90	90
Visitor Residential, Urban						100%	0	11	11	2	2
Studio Efficiency 1 Bedroom	0	units		unit	0	100%	0	0	0	0	0
2 Bedrooms 3+ Bedrooms	0	units units		unit unit	0	100% 100%	0	0	0	0	0
Reserved Visitor	0.00	sp/unit units			0	100%	0	0	0	0	0
Active Senior Housing Residents	0	units		unit	0	100%	0	0	0	0	0
Office <25 ksf	13,414	sf GFA	3.333	ksf GFA	ffice 45	100%	45	4	3	2	4
Reserved Employee								0 42	0 39	0 34	0 36
Office 25 to 100 ksf Reserved	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Employee Office =100 ksf	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Reserved Employee								0	0	0	0
Office 100 to 500 ksf Reserved	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Employee Office >500 ksf	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Reserved Employee		J. GFA		KJI GFA	J	100%	Ü	0	0	0	0
Open Plan/High Density Office Reserved	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Employee	0	sf GFA		bef er-		100%	^	0	0	0	0
Medical/Dental Office Employee	0			ksf GFA	0		0	0	0	0	0
Day Care Center Employee	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Bank (Drive In Branch) Employee	0	sf GFA		ksf GFA	0	100%	0	0	0	0	0
Additional Land Use 1	0	0		Addition	al Land Use: 0	100%	0	0	0	0	0
Employee Additional Land Use 2	0	0			0	100%	0	0	0	0	0
Employee Additional Land Use 3	0	0			0	100%	0	0	0	0	0
Employee Additional Land Use 4	0	0			0	100%	0	0	0	0	0
								0	0	0	0 105
Employee Cu:	stomer/Vis							171	41	127	
Employee Cu:	oyees & Re Resident &	sident						171 71 90	41 46 90	127 61 90	60 90
Employee Cu:	oyees & Re	sident Employee	Shared	Parking R	294 eduction L	ocal Adjustment	294	71 90 332	46	61 90 278	60

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Project: 200-620772-24001

Description: Encore Development Troy

	Monthly Comparison Summary												
	Weekday												
Month	Over	all Pk	AM P	eak Hr	PM P	eak Hr	Eve P	eak Hr					
	Time	Demand	Time	Demand	Time	Demand	Time	Demand					
January	12 PM	254	11 AM	223	12 PM	254	7 PM	231					
February	12 PM	254	11 AM	223	12 PM	254	7 PM	230					
March	12 PM	268	11 AM	232	12 PM	268	7 PM	244					
April	12 PM	263	11 AM	229	12 PM	263	7 PM	239					
May	12 PM	269	11 AM	233	12 PM	269	7 PM	245					
June	12 PM	265	11 AM	231	12 PM	265	7 PM	241					
July	12 PM	264	11 AM	229	12 PM	264	7 PM	241					
August	12 PM	265	11 AM	230	12 PM	230	7 PM	242					
September	12 PM	257	11 AM	226	12 PM	257	7 PM	234					
October	12 PM	262	11 AM	229	12 PM	262	7 PM	238					
November	12 PM	261	11 AM	229	12 PM	261	7 PM	237					
December	1 PM	278	11 AM	241	1 PM	278	7 PM	257					
Late December	1 PM	262	11 AM	224	1 PM	262	7 PM	239					

	Monthly Comparison Summary												
	Weekend												
Month	Over	all Pk	AM P	eak Hr	PM P	eak Hr	Eve Peak Hr						
	Time	Demand	Time	Demand	Time	Demand	Time	Demand					
January	12 PM	233	11 AM	203	12 PM	233	8 PM	224					
February	12 PM	233	11 AM	203	12 PM	233	8 PM	223					
March	12 PM	244	11 AM	210	12 PM	244	8 PM	237					
April	12 PM	240	11 AM	207	12 PM	240	8 PM	232					
May	12 PM	245	11 AM	210	12 PM	245	8 PM	238					
June	12 PM	242	11 AM	209	12 PM	242	8 PM	233					
July	12 PM	240	11 AM	207	12 PM	240	8 PM	234					
August	12 PM	241	11 AM	207	12 PM	241	8 PM	234					
September	12 PM	236	11 AM	205	12 PM	236	8 PM	226					
October	12 PM	240	11 AM	207	12 PM	240	8 PM	231					
November	12 PM	239	11 AM	209	12 PM	239	8 PM	229					
December	12 PM	256	11 AM	218	12 PM	256	8 PM	242					
Late December	1 PM	237	11 AM	198	1 PM	237	8 PM	234					

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Project: 200-620772-24001

Description Encore Development Troy

	Distribut	ion of Wee	kday Deman	d by Zone							
Land Use	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Total		
		R	etail								
Retail (<400 ksf)	27	0	0	0	0	0	0	0	27		
Employee	7	0	0	0	0	0	0	0	7		
	Food and Beverage										
Fine/Casual Dining	78	0	0	0	0	0	0	0	78		
Employee	16	0	0	0	0	0	0	0	16		
Fast Casual/Fast Food	0	0	0	0	0	0	0	0	0		
Employee	0	0	0	0	0	0	0	0	0		
Entertainment and Institutions											
		Hotel and	l Residential								
Residential, Suburban											
Studio Efficiency	0	0	0	0	0	0	0	0	0		
1 Bedroom	0	0	0	0	0	0	0	0	0		
2 Bedrooms	0	0	0	0	0	0	0	0	0		
3+ Bedrooms	0	0	0	0	0	0	0	0	0		
Reserved	90	0	0	0	0	0	0	0	90		
Visitor	2	0	0	0	0	0	0	0	2		
		0	ffice								
Office <25 ksf	2	0	0	0	0	0	0	0	2		
Reserved	0	0	0	0	0	0	0	0	0		
Employee	34	0	0	0	0	0	0	0	34		
		Additiona	al Land Uses								

Distribution of Weekend Dem								
Land Use	Zone 1	Zone 2	Zone 3					
		Ret	tail					
Retail (<400 ksf)	27	0	0					
Employee	7	0	0					
		Food and Beverage						
Fine/Casual Dining	51	0	0					
Employee	13	0	0					
Fast Casual/Fast Food	0	0	0					
Employee	0	0	0					
	Ent	tertainment	and Institution					
		Hotel and I	Residential					
Residential, Suburban								
Studio Efficiency	0	0	0					
1 Bedroom	0	0	0					
2 Bedrooms	0	0	0					
3+ Bedrooms	0	0	0					
Reserved	90	0	0					
Visitor	2	0	0					
		Off	ice					
Office <25 ksf	4	0	0					
Reserved	0	0	0					
Employee	36	0	0					
		Additional	Land Uses					

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Project: 200-620772-24001

Description: Encore Development Troy

Projected Parking Supply: 279

Retail (<400 ksf) Employee Retail (400 to 600 ksf)	etail				
		100%	100%	100%	100%
retail (400 to 600 KST)		00%	100%	100%	100%
Employee		100%	100% 100%	100% 100%	100% 100%
etail (600 ksf to 1,000 ksf)		100%	100%	100%	100%
Employee		00%	100%	100%	100%
tetail (1,000 ksf to 2,000 ksf)		100%	100%	100% 100%	100%
Employee tetail (over 2,000 ksf)		100%	100%	100%	100%
Employee		00%	100%	100%	100%
upermarket/Grocery		100%	100%	100%	100%
Employee Pharmacy		100%	100%	100%	100%
Employee		100%	100%	100%	100%
iscount Stores/Superstores		100%	100%	100%	100%
Employee		100%	100%	100%	100%
lome Improvement Stores/Garden Employee		100%	100% 100%	100% 100%	100% 100%
Food and	d Beverage				
ine/Casual Dining		100%	100%	100%	100%
Employee amily Restaurant		100%	100%	100%	100%
Employee		100%	100%	100%	100%
ast Casual/Fast Food	1	100%	100%	100%	100%
Employee		100%	100%	100%	100%
ar/Lounge/Night Club		100%	100% 100%	100% 100%	100% 100%
Employee Entertainment			100%	10078	100%
amily Entertainment	1	100%	100%	100%	100%
Employee etine Entertainment		00%	100%	100%	100%
ctive Entertainment Employee		100%	100% 100%	100% 100%	100%
musement Park/Water Park	1	00%	100%	100%	100%
Employee		00%	100%	100%	100%
dult Active Entertainment Employee		100%	100% 100%	100% 100%	100% 100%
ineplex		100%	100%	100%	100%
Employee		00%	100%	100%	100%
pecialty Movie Theatre		00%	100%	100%	100%
Employee ive Theater		100%	100%	100%	100%
Employee		100%	100%	100%	100%
Outdoor Amphitheater		00%	100%	100%	100%
Employee Jublic Park/Destination Open Space		100%	100%	100%	100%
Employee		100%	100%	100%	100%
fuseum/Aquarium	1	100%	100%	100%	100%
Employee		00%	100%	100%	100%
rena Employee		100%	100% 100%	100% 100%	100% 100%
ro Football Stadium		100%	100%	100%	100%
Employee		00%	100%	100%	100%
Pro Baseball Stadium Employee		100%	100% 100%	100% 100%	100% 100%
Employee Bealth Club		100%	100%	100%	100%
Employee	1	100%	100%	100%	100%
ublic Library		100%	100% 100%	100% 100%	100% 100%
Employee convention Center		100%	100%	100%	100%
Employee	1	100%	100%	100%	100%
	Residential				69%
otel-Business otel-Leisure		59% 50%	59% 50%	69% 50%	50%
Hotel Employees	1	100%	100%	100%	100%
Restaurant/Lounge		63%	63%	54%	54%
Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key)		68% 68%	68% 68%	68% 68%	68% 68%
Meeting/Banquet (50 to 100 sq ft/key)		68%	68%	68%	68%
Convention (100 to 200 sq ft/key)		68%	68%	68%	68%
Convention (> 200 sq ft/key)		68%	68%	68%	68%
Restaurant/Meeting Employees esidential, Suburban	1	100%	100%	100%	100%
			100%		
Studio Efficiency	1	100%	100%	100%	100%
Studio Efficiency 1 Bedroom	1	100%	100%	100%	100%
1 Bedroom 2 Bedrooms	1	100%	100% 100%	100% 100%	100% 100%
1 Bedroom 2 Bedrooms 3+ Bedrooms	1 1	100%	100%	100%	100%
1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor	1 1 1	100% 100% 100%	100% 100% 100%	100% 100% 100%	100% 100% 100%
1 Bedroom 2 Bedrooms 3* Bedrooms Reserved Visitor esidential, Urban	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3+ Bedrooms Neserved Visitor Visitor Visitor Visitoricinery	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3-3 Bedrooms 3-3 Bedrooms Reserved Visitor Residential, Urban Studio Efficiency 1 Bedroom 2 Bedrooms 3-4 Bedrooms	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3- Bedrooms Reserved Visitor Visitor Studio Efficiency 1 Bedroom 2 Bedrooms 3- Bedrooms 3- Bedrooms Reserved	11 11 11 11 11 11 11 11 11 11 11 11 11	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3 Bedrooms Reserved Visitor seidential, Urban Studio Efficiency 1 Bedrooms 3 Bedrooms 3 Bedrooms Reserved Visitor	11 11 11 11 11 11 11 11 11 11 11 11 11	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor Studio Efficiency 1 Bedroom 2 Bedrooms 3+ Bedrooms 3+ Bedrooms Visitor Wistor Keserved Visitor Citive Senior Housing Reseident	11 11 11 11 11 11 11 11 11 11 11 11 11	.00% .00% .00% .00% .00% .00% .00% .00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3 - Bedrooms 3 - Bedrooms Reserved Visitor Studio Efficiency 1 Bedroom 2 Bedroom 3 - Bedrooms 3 - Bedrooms 4 Reserved Visitor Cities Form Housing Resident 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3 - Bedrooms 3 - Bedrooms Reserved Visitor Studio Efficiency 1 Bedroom 2 Bedroom 3 - Bedrooms 3 - Bedrooms 4 Reserved Visitor Cities Form Housing Resident 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
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1 Bedroom 2 Bedroom 3 + Bedrooms 3 + Bedrooms 3 + Bedrooms Reserved Visitor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
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1 Bedroom 2 Bedrooms 3 - Bedrooms 3 - Bedrooms 3 - Bedrooms 3 - Bedrooms 4 - Bedrooms 8 - Bedrooms 8 - Bedrooms 1 Bedroom 2 Bedrooms 3 - Bedrooms 3 - Bedrooms 8 - Bedrooms 8 - Bedrooms 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
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1 Bedroom 2 Bedroom 3	office	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedroom 3	### In the control of	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedroom 3 + Bedrooms 3 + Bedrooms 3 + Bedrooms 3 - Bedrooms 8 - Bedrooms 8 - Bedrooms 8 - Bedroom 2 Dedroom 2 Dedrooms 3 + Bedrooms 3 - Bedrooms 3 - Bedrooms 8 -	office	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 2 Bedrooms 3 - 8 Bedrooms 3 - 8 Bedrooms 3 - 8 Bedrooms 3 - 8 Bedrooms 5 - 8 Bedrooms 5 - 8 Bedrooms 5 - 8 Bedrooms 5 - 8 Bedroom 5 - 8 Bedroom 5 - 8 Bedrooms 6 - 8 Bedrooms 7 - 8 Bedrooms	ffice	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedroom 3	ffice	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
1 Bedroom 2 Bedrooms 3+ Bedrooms 3+ Bedrooms 3+ Bedrooms 3+ Bedrooms 8-Reserved Visitor 1 Studio Efficiency 1 Bedroom 2 Bedrooms 3+ Bedrooms 3+ Bedrooms 8-Reserved Visitor Active Senior Housing Resident Office 25 ksf Reserved Employee Office 25 to 100 ksf Reserved Employee Office 100 ksf Reserved Employee Office 500 ksf Reserved Employee Open Plan/High Density Office Reserved Employee Open Plan/High Density Office Reserved Employee Open Plan/High Density Office Reserved Employee Den Plan/High Density Office Reserved Employee	ffice	1.00% 1.00%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%

Insert default driving adjustment values below. These values estimate the % of Customers/Visitors and Employees/Residents that are parking at the site.
WARNING: The table below may be used to auto-populate the table to the left, the values in which will be used in the model.
Driving adjustments for customers of retail, dining and supermarket can be different depending upon the use. Driving adjustments for residential visitors could also be different. Check and override in the table at left to ensure project specific accuracy.

Driving Adjustments Sub-Routine									
	Wee	kday	Wee	kend					
	Daytime	Evening	Daytime	Evening					
Residents (vehicle ownership)	100%	100%	100%	100%					
Service (Non-office) Employees	100%	100%	100%	100%					
Office Employees	100%	100%	100%	100%					
Retail/Dining & Misc Customers	100%	100%	100%	100%					
Entertainment Customers ¹	100%	100%	100%	100%					
Event Attendees ¹	100%	100%	100%	100%					

¹Large venues may have more tour/coach/school bus arrivals

Suggested Driving Ratios per 3rd Edition Shared Parking Reduced by 10% as baseline ratios 2020 reflecting TNC use.

LOWER FURTHER FOR TNC USE AS APPROPRI	ATE	Second Edition										
	Weekday	Weekend	Weekday	Weekend								
Guest Rooms					TNC reduction							
Typical business hotel suburban location	59%	69%	66%	77%	0.9							
Airport hotel	49%	53%	54%	59%	0.9							
Downtown hotel with paid and/or valet pkg	40%	46%										
Resort hotel	50%	50%										
Restaurant/Lounge												
Typical business hotel suburban location	63%	54%	70%	60%	0.9							
Airport hotel	72%	72%	80%	80%	0.9							
Downtown hotel with paid and/or valet pkg	47%	40%										
Resort hotel	50%	50%										
Meeting/Conference												
Typical business hotel suburban location	68%	68%	75%	75%	0.9							
Airport hotel	81%	36%	90%	40%	0.9							
Downtown hotel with paid and/or valet pkg	45%	45%										
Resort hotel	50%	50%										

Projected Parking Supply: 279

	Wee	iptive Ratio kday	wee	kend
	Daytime	Evening	Daytime	Evenin
Retail (<400 ksf)	95%	93%	96%	92%
Employee Retail (400 to 600 ksf)	99%	99%	99%	98%
Retail (400 to 600 kst) Employee	95% 99%	93%	96% 99%	92%
Employee Retail (600 ksf to 1,000 ksf)	95%	93%	96%	92%
Employee Retail (1,000 ksf to 2,000 ksf)	99%	99%	99%	98%
Employee	95% 99%	93% 99%	96% 99%	92% 98%
Employee Retail (over 2,000 ksf)	95%	93%	96%	92%
Employee Supermarket/Grocery	99%	99%	99%	98%
Employee	99%	99%	99%	98%
Pharmacy	95%	93%	96%	92%
Employee Discount Stores/Superstores Employee	99% 95% 99%	99% 93%	99% 96% 99%	98% 92% 98%
Employee	99%	99%	99%	98%
Home Improvement Stores/Garden Employee	95% 99%	93% 99%	96% 99%	92% 98%
Food and Br	everage			
Fine/Casual Dining Employee	98% 99%	98% 99%	97% 99%	98% 98%
	98%	98%	97%	98%
Employee Fast Casual/Fast Food	99% 100%	99% 100%	99%	98%
	99%	100% 99%	100% 99%	98%
Bar/Lounge/Night Club	98%	98%	97%	98%
Employee	99%	99%	99%	98%
Entertainment an Family Entertainment	d Institutions 100%	100%	100%	100%
Employee	99%	99%	99%	98%
Employee Active Entertainment Employee	100%	100%	100%	100%
	100%	100%	100%	100%
Employee Adult Active Entertainment	99%	99% 100%	99% 100%	98% 100%
	100% 99%	99%	99%	98%
Cineplex Employee	100%	100%	100%	100%
	99%	99%	99% 100%	98%
Employee	99%			98%
Live Theater	99% 100%	99% 100%	99% 100%	100%
Employee Outdoor Amphitheater Employee Public Park/Destination Open Space	99%	99%	99%	98%
Employee	99%	99%	99%	98%
Public Park/Destination Open Space	100%	100%	100%	100%
Employee Museum/Aquarium	99%	99%	99% 100%	98%
Employee Arena	99%	99%	99%	98%
Arena	100% 99%	100% 99%		
Employee Pro Football Stadium	100%	100%	99%	98%
Employee Pro Baseball Stadium	99%	99%	99%	98%
Pro Baseball Stadium	100%	100%	100%	100% 98%
Employee Health Club	99% 100%	99% 100%	99% 100%	100%
Employee Public Library	99% 95%	99% 93%	99% 96%	98% 92%
Employee	99%	99%	99%	98%
Convention Center	100%	100%	100%	100%
Employee Hotel and Re	99%	99%	99%	98%
Hotel-Business	100%	100%	100%	100%
Hotel-Leisure Hotel Employees	100% 100%	100% 100%	100%	100%
Restaurant/Lounge	90%	90%	100% 30%	100%
Meeting/Banquet (0 to 20 sq ft/key)	60% 60%	60% 60%	70%	70%
Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key)	60%	60%	70% 70%	70%
Convention (100 to 200 sq ft/key)	60%	60%	70%	70%
Meeting/Banquet (50 to 100 sq rt/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban	60%	60%	70%	70%
Restaurant/Meeting Employees	100%	100%	100%	100%
	100%	100%	100%	100%
1 Redroom	100%	100%	100%	100%
2 Bedrooms 3+ Bedrooms				
	100%	100%		100%
Reserved	100%	100% 100%	100% 100%	100%
Reserved Visitor	100%	100% 100% 100%	100% 100% 100%	100%
Reserved Visitor Residential, Urban Studio Efficiency	100% 100% 100%	100%	100%	100% 100% 100%
Reserved Visitor Residential, Urban Studio Efficiency	100% 100% 100%	100%	100%	100% 100% 100%
Reserved Visitor Residential, Urban Studio Efficiency 1 Bedroom 2 Bedrooms	100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100%
Reserved Visitor Residential, Urban Studio Efficiency 1. Bedroom 2. Bedroom 3. Bedrooms 3. Bedrooms	100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100%
Reserved Visitor Residential, Urban Studio Efficiency 1. Bedroom 2. Bedroom 3. Bedrooms 3. Bedrooms	100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100%
Reserved Vivitor Residential, Urban Studio Efficiency 1 Bedroom 2 Bedrooms 3- Bedrooms Reserved Vivitor	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Vulter Residential, Urban Soudo Bificancy 2 Bedrooms 3- Bedrooms Reserved Vulter Active Senior Housing Residential Residents Active Senior Housing	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Vulter Residential, Urban Soudo Bificancy 2 Bedrooms 3- Bedrooms Reserved Vulter Active Senior Housing Residential Residents Active Senior Housing	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Vittor Wittor Wittor Standard Richarder Standard Richarder Standard Richarder Standard Richarder Standard Richarder Standard Reserved Vittor Vittor Active Senior Plousing Reserved Standard Richarder Office C3 Saf	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visitor Residential, Uthan Stude Efficiency 2 Bed coons 3 Residential 3 Redooms Reserved Visitor Visitor Active Senior Housing Reserved Office 425 kaf Reserved Office 425 kaf Reserved Office 755 kaf Reserved Offic	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Victor Resident (Uhan Resi	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Victor Resident (Uhan Resi	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visitorial, Uhan Studie Efficiency 1 Bedrooms 2 Bedrooms 3 Bedrooms 8 Bedrooms 9 Bedrooms	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visitorial, Uhan Studie Efficiency 1 Bedrooms 2 Bedrooms 3 Bedrooms 8 Bedrooms 9 Bedrooms	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visitor Studio Efficiency 1 Bedroom 2 Bedrooms 3 bedrooms 3 bedrooms 4 bedrooms 4 bedrooms Witter Visitor Visitor Visitor Office 20 St	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visitor Studio Efficiency 1 Bedroom 2 Bedrooms 3 bedrooms 3 bedrooms 4 bedrooms 4 bedrooms Witter Visitor Visitor Visitor Office 20 St	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visited State of Sta	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Julian Sudo Historian Sudo	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visitor Marchael State Sta	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visite Visite Needential (Liftian Resedential (Liftian Resedential (Liftian Resedential Resedential Resedential Reserved	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visite Visite New York 1 Red one 1 Reserved 1 Red one 1 Reserved Reserved Office 25 Ist Reserved Employee	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Visite Visite New York 1 Red one 1 Reserved 1 Red one 1 Reserved Reserved Office 25 Ist Reserved Employee	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Without State	100%, 100%,	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Julian Juli	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Studies (Filedency 1 1 defeorom 2 2 defeoroms 3 2 defeoroms 3 2 defeoroms 4 3 defeorom 1 2 defeorom 3 3 defeoroms 4 3 defeoroms 4 3 defeoroms 5 4 defeoroms 6 4 defeoroms 6 4 defeoroms 7 4	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Temploge Templo	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Temploge Templo	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved 1 Indexoon 2 Bedoons 3 Bedoons 3 Bedoons 4 Bedoons 5 Bedoons 6 Bedoons	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Temployee Office 200 Sd Feserved Reserved R	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%
Reserved Temployee Office 20 bid 10	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% 100% 100% 100%

WARNING: The percentages below are default values. Check all percentages to ensure project-specific accuracy, there is counted as parked for column K when someone in car goes and viots venue in columns I through S, reducing those venues' parking demand facility and provided parking of the column K when someone in car goes and viots venue in columns I through S, reducing those venues' parking demand facility and columns of the columns

				Non-Captive	Adjustment Sub	-Routine					
Counted as parked at	To fast food	To dining	To shopping	To health club	To entertainment	To convention ctr	To events	To bank	To Medical Office	To work Service	To work Office
% Retail Customers who go	5%	0%	0%	0%	2%	0%	0%			0%	0%
% Dining Customers who go	0%	0%	1%	0%	2%	0%	0%			0%	0%
% Entertainment Customers who go	1%	0%	0%	0%	0%	0%	0%			0%	0%
% Event Customers who go to	0%	0%	0%	0%	0%	0%	0%			0%	0%
% Convention Customers	1%	1%	1%	0%	0%	0%	0%			0%	0%
% Hotel Guests who go	10%	10%	1%	1%	5%	20%	5%			0%	0%
% Hotel Banquet who go	1%	1%	1%	0%	0%	0%	0%			0%	0%
% Residents who go	5%	2%	1%	5%	1%	1%	1%			1%	5%
% Service Employees who go	15%	1%	1%	1%	0%	0%	0%	1%	0%	0%	0%
% Professional Employees who go	10%	2%	1%	5%	0%	0%	0%	1%	0%	0%	0%

if counted parked at event, no captive to other venues

Adjust % of hotel guests who go to convention center as appropriate for project

Captive Entertainment customers due to families splitting up and visiting multiple venues. Car is counted as parked at destination of driver Public Library uses Retail as captive for Customers.

Unadjusted Parking Demand	Weel	kday	Weekend					
	Daytime	Evening	Daytime	Evening				
Retail Customers	26.6	22.4	28	19.6				
Dining Customers	79.9	106	62	100.7				
Fast Food Customers	0	0	0	0				
Entertainment Customers	0	0	0	0				
Event Attendees	0	0	0	0				
Health Club Customers	0	0	0	0				
Convention Ctr	0	0	0	0				
Hotel Guests	0	0	0	0				
Hotel Banquet	0	0	0	0				
Residents	36	63	58.5	72				
Service Employees	27.2	25	24.5	23.6				
Office Employees	39.121931	6.177147	24.708588	0				
Medical Office Patients	0	0	0	0				
Bank Customers	0	0	0	0				
Captive		•	•					
Retail Customers	1.310609655	1.530885735	1.15854294	1.485				
Dining Customers	1.77443862	1.63354294	1.90917176	1.676				
Fast Food Customers	11.1221931	8.6377147	10.4708588	8.12				
Entertainment Customers	2.49	3.198	2.385	3.126				
Event Attendees	0.36	0.63	0.585	0.72				
Health Club Customers	3.89209655	3.58385735	4.2829294	3.718				
Convention Ctr	0.18	0.315	0.2925	0.36				
Service Employees	0.18	0.315	0.2925	0.36				
Office Employees	1.8	3.15	2.925	3.6				
Medical Office Patients	0.066321931	0.031177147	0.049208588	0.0236				
Bank Customers	0.331609655	0.155885735	0.24604294	0.118				
Non Captive Ratio								
Retail Customers	95.1%	93.2%	95.9%	92.4%				
Dining Customers	97.8%	98.5%	96.9%	98.3%				
Fast Food Customers	100.0%	100.0%	100.0%	100.0%				
Entertainment Customers	100.0%	100.0%	100.0%	100.0%				
Event Attendees	100.0%	100.0%	100.0%	100.0%				
Health Club Customers	100.0%	100.0%	100.0%	100.0%				
Convention Ctr	100.0%	100.0%	100.0%	100.0%				
Service Employees	99.3%	98.7%	98.8%	98.5%				
Office Employees	95.4%	95.4%	95.4%	95.4%				
Medical Office Patients	100.0%	100.0%	100.0%	100.0%				
Bank Customers	100.0%	100.0%	100.0%	100.0%				

Guest Rooms	always	100%	100%	
Restaurant/Lounge				Select for type of hotel and then adjust for type of restaurant; default is business hotel in subu
Typical business hotel suburb	an location	90%	30%	
Airport hotel		90%	70%	
Downtown hotel with paid an	id/or valet pkg	90%	70%	
Resort hotel		90%	70%	
Meeting/Conference				
Typical business hotel suburb	an location	60%	70%	
Airport hotel		90%	90%	
Downtown hotel with paid an	id/or valet pkg	60%	70%	
Resort hotel		25%	25%	

Typically little or no adjustment to resident or visitor parking demand

Typically little or no adjustment to office visitor parking demand except in downtown environments

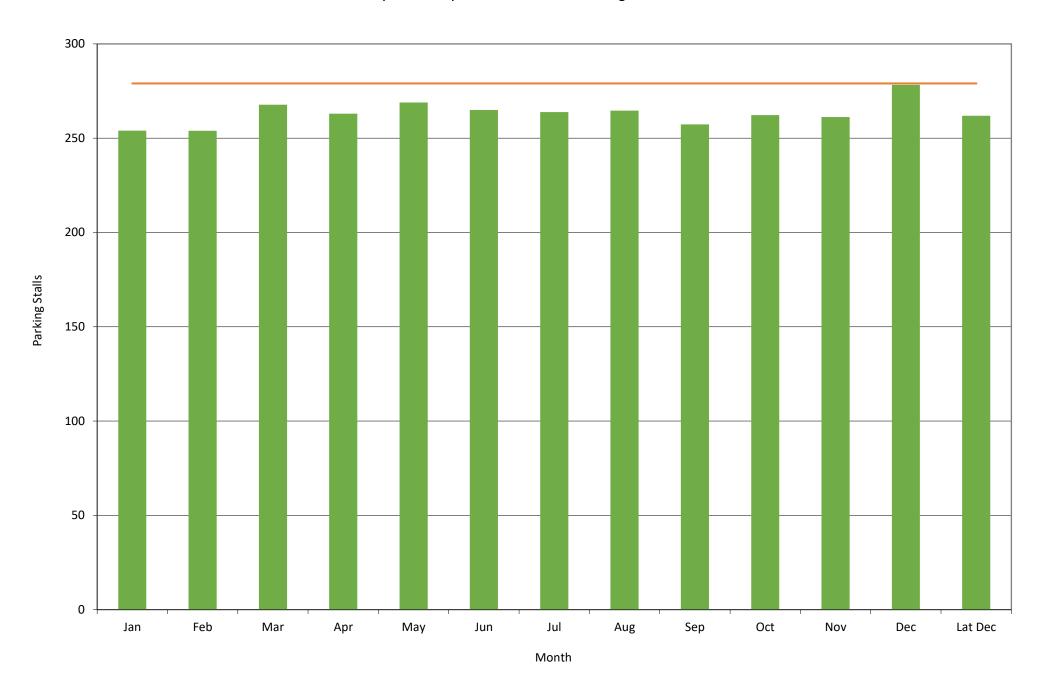
adjust captive ratios appropriately No default is recommended

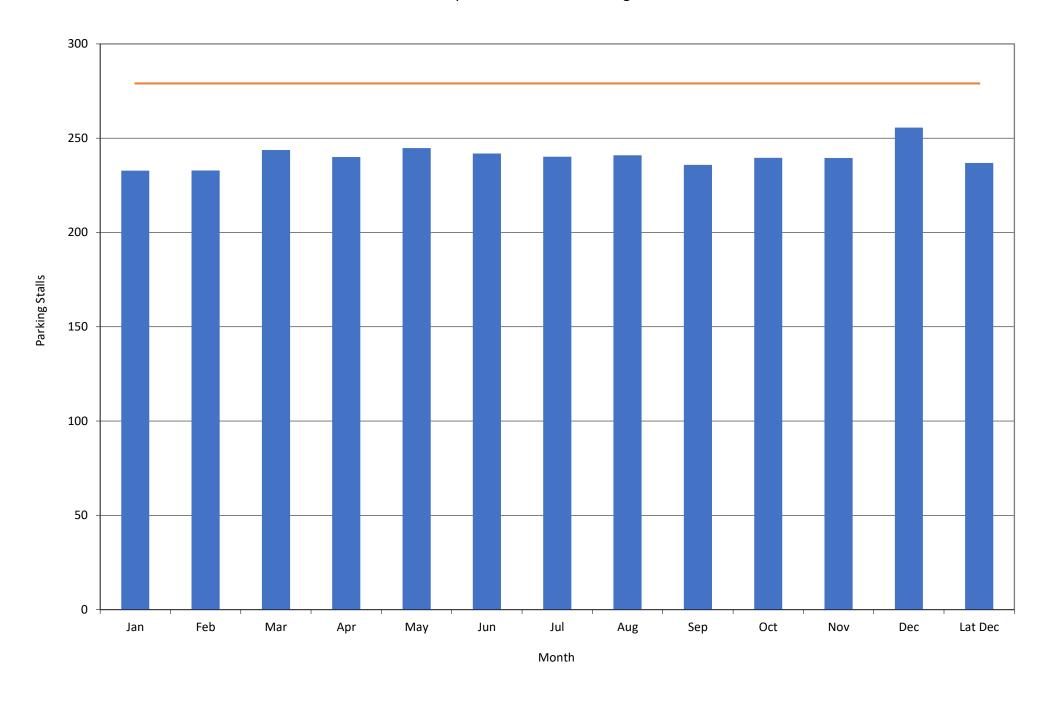
			Combined	i wontniy A	djustments								
Land Use	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Late Dec
Retail (<400 ksf)	59%	61%	70%	Retail 67%	72%	72%	70%	73%	66%	69%	76%	100%	85%
Employee Retail (400 to 600 ksf)	69% 59%	71% 61%	79% 70%	77% 67%	82% 72%	82% 72%	80% 70%	83% 73%	76% 66%	78% 69%	86% 76%	100%	95% 85%
Employee Retail (600 ksf to 1,000 ksf)	69% 59%	71% 61%	79% 70%	77% 67%	82% 72%	82% 72%	80% 70%	83% 73%	76% 66%	78% 69%	86% 76%	100% 100%	95% 85%
Employee	69%	71%	79%	77%	82%	82%	80%	83%	76%	78%	86%	100%	95%
Retail (1,000 ksf to 2,000 ksf) Employee	59% 69%	61% 71%	70% 79%	67% 77%	72% 82%	72% 82%	70% 80%	73% 83%	66% 76%	69% 78%	76% 86%	100% 100%	85% 95%
Retail (over 2,000 ksf) Employee	59% 69%	61% 71%	70% 79%	67% 77%	72% 82%	72% 82%	70% 80%	73% 83%	66% 76%	69% 78%	76% 86%	100% 100%	85% 95%
Supermarket/Grocery	93%	86%	94%	92%	97%	94%	96%	95%	92%	95%	95%	100%	95%
Employee Pharmacy	100% 89%	96% 85%	100% 92%	100% 89%	100% 91%	100% 89%	100% 89%	100% 90%	100% 88%	100% 92%	100% 89%	100%	100% 95%
Employee Discount Stores/Superstores	99%	95% 72%	100% 79%	99% 76%	100% 81%	98% 79%	98% 79%	99% 81%	98% 74%	100% 79%	98% 85%	100%	100% 90%
Employee	82%	82%	88%	86%	91%	89%	89%	91%	84%	89%	95%	100%	100%
Home Improvement Stores/Garden Employee	63% 72%	62% 71%	79% 89%	90%	100% 100%	92% 100%	87% 97%	84% 94%	80% 90%	85% 94%	80% 90%	75% 85%	65% 75%
Fine/Casual Dining	88%	87%	98%	od and Beve 94%	99%	94%	96%	96%	89%	93%	89%	100%	95%
Employee Family Restaurant	99%	98% 87%	100% 98%	100% 94%	100% 99%	100% 94%	100% 96%	100% 96%	99% 89%	100% 93%	100% 89%	100%	100% 95%
Employee Fast Casual/Fast Food	99% 85%	98% 85%	100% 97%	100% 95%	100% 99%	100%	100%	100%	99%	100% 96%	100% 92%	100% 96%	100% 95%
Employee	96%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Bar/Lounge/Night Club Employee	87% 95%	87% 96%	100% 100%	93% 100%	97% 100%	94% 100%	97% 100%	96% 100%	94% 100%	98% 100%	92% 100%	96% 100%	95% 100%
Family Entertainment	20%	26%	Entertain 36%	ment and I 50%	nstitutions 23%	45%	87%	68%	22%	25%	20%	48%	100%
Employee Active Entertainment	50% 79%	50% 90%	50% 91%	60% 100%	50% 60%	55% 70%	97% 72%	78% 76%	50% 70%	50% 72%	50% 74%	58% 60%	100%
Employee	89%	100%	100%	100%	70%	80%	82%	86%	80%	82%	84%	70%	100%
Amusement Park/Water Park Employee	79% 89%	90% 100%	91% 100%	100% 100%	60% 70%	70% 80%	72% 82%	76% 86%	70% 80%	72% 82%	74% 84%	60% 70%	100% 100%
Adult Active Entertainment Employee	85% 95%	86% 96%	95% 100%	92% 100%	96% 100%	95% 100%	98% 100%	99% 100%	91% 100%	96% 100%	93% 100%	100% 100%	95% 100%
Cineplex	50%	50%	45%	33%	55%	50%	75%	55%	25%	25%	55%	55%	100%
Employee Specialty Movie Theatre	60% 50%	60% 50%	55% 45%	50% 33%	65% 55%	60% 50%	85% 75%	65% 55%	50% 25%	50% 25%	65% 55%	65% 55%	100% 100%
Employee Live Theater	60% 90%	60% 90%	55% 90%	50% 90%	65% 90%	60% 90%	85% 90%	65% 90%	50% 90%	50% 90%	65% 90%	65% 100%	100%
Employee	75%	70%	90%	100%	95%	90%	85%	80%	75%	85%	90%	85%	100%
Outdoor Amphitheater Employee	0% 10%	0% 10%	0% 10%	10% 50%	100% 100%	100% 100%	100% 100%	100% 100%	100% 100%	50% 60%	10% 50%	10% 50%	0% 10%
Public Park/Destination Open Space Employee	25% 50%	25% 50%	50% 60%	75% 85%	100% 100%	100% 100%	100% 100%	100% 100%	100% 100%	100% 100%	75% 85%	75% 85%	25% 50%
Museum/Aquarium	20%	26%	36%	50%	23%	45%	87%	68%	22%	25%	20%	48%	100%
Employee Arena	50% 90%	50% 100%	50% 100%	60% 100%	50% 100%	55% 75%	97% 0%	78% 0%	50% 60%	50% 65%	50% 90%	58% 100%	100% 95%
Employee Pro Football Stadium	100%	100%	100%	100%	100% 67%	100% 67%	10% 67%	10% 67%	75% 100%	75% 100%	100%	100%	100%
Employee	10%	10%	10%	10%	10%	10%	10%	100%	10%	10%	10%	100%	80%
Pro Baseball Stadium Employee	10%	10%	25%	100% 90%	100%	100% 100%	100% 100%	100% 100%	100% 100%	100% 100%	0% 10%	100% 100%	10%
Health Club Employee	100% 100%	95% 100%	85% 95%	70% 80%	65% 75%	65% 75%	65% 75%	70% 80%	80% 90%	85% 95%	85% 95%	100% 100%	95% 0%
Public Library	75% 85%	75%	80%	85% 90%	90%	90% 95%	90% 90%	90% 95%	95% 100%	95% 100%	90%	65%	50% 45%
Employee Convention Center	75%	85% 100%	85% 90%	55%	95% 60%	50%	45%	75%	80%	85%	95% 100%	65% 100%	0%
Employee	85%	100%	100% Hote	65% el and Resid	70% ential	60%	55%	85%	90%	95%	100%	100%	0%
Hotel-Business Hotel-Leisure	60% 80%	75% 90%	90%	100%	95%	95%	95%	85%	90%	95%			55%
Hotel Employees	0070		100%	100%	90%		100%	100%	75%		80% 75%	60% 50%	100%
	80%	90%	100% 100%	100% 100%	90% 90%	90%	100% 100%	100% 100%	75% 75%	75% 75%	75% 75%	50% 50%	100% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key)	80% 85% 100%					90%				75%	75%	50%	
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key)	85% 100% 100%	90% 86% 100% 100%	100% 95% 100% 100%	100% 92% 100% 100%	90% 96% 100% 100%	90% 90% 95% 100% 100%	100% 98% 100% 100%	100% 99% 100% 100%	75% 91% 100% 100%	75% 75% 96% 100% 100%	75% 75% 93% 100% 100%	50% 50% 100% 100% 100%	100% 95% 100% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key)	85% 100% 100% 100% 75%	90% 86% 100% 100% 100% 100%	100% 95% 100% 100% 100% 90%	100% 92% 100% 100% 100% 55%	90% 96% 100% 100% 100% 60%	90% 90% 95% 100% 100% 100%	100% 98% 100% 100% 100% 45%	100% 99% 100% 100% 100% 75%	75% 91% 100% 100% 100% 80%	75% 75% 96% 100% 100% 100%	75% 75% 93% 100% 100% 100%	50% 50% 100% 100% 100% 100%	100% 95% 100% 100% 100% 0%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key)	85% 100% 100% 100% 75% 75%	90% 86% 100% 100% 100% 100%	100% 95% 100% 100% 100% 90%	100% 92% 100% 100% 100% 55%	90% 96% 100% 100% 100% 60%	90% 90% 95% 100% 100% 100% 50%	100% 98% 100% 100% 100% 45% 45%	100% 99% 100% 100% 100% 75%	75% 91% 100% 100% 100% 80%	75% 75% 96% 100% 100% 100% 85% 85%	75% 75% 93% 100% 100% 100% 100%	50% 50% 100% 100% 100% 100% 100%	100% 95% 100% 100% 100% 0%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban	85% 100% 100% 100% 75% 75% 100%	90% 86% 100% 100% 100% 100% 100%	100% 95% 100% 100% 100% 90% 100%	100% 92% 100% 100% 100% 55% 55% 100%	90% 96% 100% 100% 100% 60% 100%	90% 90% 95% 100% 100% 50% 50% 100%	100% 98% 100% 100% 100% 45% 45% 100%	100% 99% 100% 100% 100% 75% 75% 100%	75% 91% 100% 100% 100% 80% 80% 100%	75% 75% 96% 100% 100% 100% 85% 85% 100%	75% 75% 93% 100% 100% 100% 100% 100%	50% 50% 100% 100% 100% 100% 100% 100%	100% 95% 100% 100% 100% 0% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key) Restaurant/Meeting Employees	85% 100% 100% 100% 75% 75% 100%	90% 86% 100% 100% 100% 100% 100%	100% 95% 100% 100% 100% 90% 90%	100% 92% 100% 100% 100% 55% 55% 100%	90% 96% 100% 100% 100% 60% 60%	90% 90% 95% 100% 100% 50% 50%	100% 98% 100% 100% 100% 45% 45% 100%	100% 99% 100% 100% 100% 75% 75% 100%	75% 91% 100% 100% 100% 80% 80% 100%	75% 75% 96% 100% 100% 85% 85% 100%	75% 75% 93% 100% 100% 100% 100% 100%	50% 50% 100% 100% 100% 100% 100% 100%	100% 95% 100% 100% 100% 0% 0% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban Studio Efficiency 1 Bedroom 2 Bedrooms	85% 100% 100% 100% 75% 75% 100% 100% 100%	90% 86% 100% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 90% 90% 100% 100% 100%	100% 92% 100% 100% 100% 55% 55% 100% 100% 100%	90% 96% 100% 100% 100% 60% 60% 100% 100% 100%	90% 90% 95% 100% 100% 50% 50% 100% 100%	100% 98% 100% 100% 100% 45% 45% 100% 95% 95% 95%	100% 99% 100% 100% 100% 75% 75% 100% 95% 95% 95%	75% 91% 100% 100% 100% 80% 80% 100% 100% 100%	75% 75% 96% 100% 100% 100% 85% 85% 100% 100% 100%	75% 75% 93% 100% 100% 100% 100% 100% 100% 100%	50% 50% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 0% 0% 100% 100% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban Studio Efficiency 1 Bedroom	85% 100% 100% 100% 75% 75% 100% 100%	90% 86% 100% 100% 100% 100% 100% 100% 100%	100% 95% 100% 100% 100% 90% 90% 100% 100%	100% 92% 100% 100% 100% 55% 55% 100% 100%	90% 96% 100% 100% 100% 60% 60% 100% 100%	90% 90% 95% 100% 100% 50% 50% 100% 100%	100% 98% 100% 100% 45% 45% 100% 95% 95% 95% 95%	100% 99% 100% 100% 100% 75% 75% 100% 95% 95%	75% 91% 100% 100% 100% 80% 80% 100% 100%	75% 75% 96% 100% 100% 100% 85% 85% 100% 100% 100%	75% 75% 93% 100% 100% 100% 100% 100% 100% 100%	50% 50% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 0% 0% 100% 100% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban Studio Efficiency 1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor	85% 100% 100% 75% 75% 100% 100% 100% 100% 100% 100%	90% 86% 100% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 90% 100% 100% 100% 100%	100% 92% 100% 100% 100% 55% 55% 100% 100% 100%	90% 96% 100% 100% 60% 60% 100% 100% 100% 100%	90% 90% 95% 100% 100% 100% 50% 100% 100% 100% 100	100% 98% 100% 100% 45% 45% 100% 95% 95% 95% 95% 100% 95%	100% 99% 100% 100% 100% 75% 100% 95% 95% 95% 95% 100%	75% 91% 100% 100% 100% 80% 80% 100% 100% 100%	75% 75% 96% 100% 100% 85% 85% 100% 100% 100% 100% 100% 100% 100%	75% 75% 93% 100% 100% 100% 100% 100% 100% 100% 10	50% 50% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 0% 0% 100% 100% 100% 100% 1
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban Studio Efficiency 1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor Residential, Urban Studio Efficiency	85% 100% 100% 100% 75% 100% 100% 100% 100% 100% 100% 100% 10	90% 86% 100% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 100% 100% 100% 100% 10	100% 92% 100% 100% 100% 55% 55% 100% 100% 100%	90% 96% 100% 100% 100% 60% 60% 100% 100% 100%	90% 90% 95% 100% 100% 50% 50% 100% 100% 100% 100%	100% 98% 100% 100% 45% 45% 100% 95% 95% 95% 95% 95% 95%	100% 99% 100% 100% 100% 75% 100% 95% 95% 95% 95% 95% 95%	75% 91% 100% 100% 80% 80% 100% 100% 100% 100%	75% 75% 96% 100% 100% 85% 85% 100% 100% 100% 100% 100% 100% 100% 10	75% 75% 93% 100% 100% 100% 100% 100% 100% 100% 10	50% 50% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 0% 100% 100% 100% 100%
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Convention (100 to 200 sq ft/key) Convention (> 200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban Studio Efficiency 1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor Residential, Urban	85% 100% 100% 100% 75% 75% 100% 100% 100% 100% 100% 100%	90% 86% 100% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 90% 90% 100% 100% 100%	100% 92% 100% 100% 100% 55% 55% 100% 100% 100%	90% 96% 100% 100% 60% 60% 100% 100% 100% 100%	90% 90% 95% 100% 100% 50% 50% 100% 100% 100% 100%	100% 98% 100% 100% 45% 45% 100% 95% 95% 95% 95% 95%	100% 99% 100% 100% 100% 75% 100% 95% 95% 95% 95% 95%	75% 91% 100% 100% 80% 80% 100% 100% 100% 100%	75% 75% 96% 100% 100% 85% 85% 100% 100% 100% 100% 100% 100%	75% 75% 93% 100% 100% 100% 100% 100% 100% 100% 10	50% 50% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 0% 0% 100% 100% 100% 100% 1
Restaurant/Lounge Meeting/Banquet (0 to 20 sq ft/key) Meeting/Banquet (20 to 50 sq ft/key) Meeting/Banquet (50 to 100 sq ft/key) Convention (100 to 200 sq ft/key) Convention (200 sq ft/key) Restaurant/Meeting Employees Residential, Suburban Studio Efficiency 1 Bedroom 2 Bedrooms 3+ Bedrooms Reserved Visitor Studio Efficiency 1 Bedroom 2 Studio Efficiency 1 Bedrooms 3+ Bedrooms 3+ Bedrooms 3+ Bedrooms 3+ Bedroom 3 Bedrooms	85% 100% 100% 75% 100% 100% 100% 100% 100% 100% 100% 10	90% 86% 100% 100% 100% 100% 100% 100% 100% 10	100% 95% 100% 100% 100% 90% 90% 100% 100% 100%	100% 92% 100% 100% 100% 55% 55% 100% 100% 100%	90% 96% 100% 100% 100% 60% 60% 100% 100% 100%	90% 90% 95% 100% 100% 100% 50% 100% 100% 100% 100	100% 98% 100% 100% 45% 45% 95% 95% 95% 95% 95% 95% 95% 95% 95%	100% 99% 100% 100% 100% 75% 100% 95% 95% 95% 95% 95% 95% 95% 95% 95%	75% 91% 100% 100% 80% 80% 100% 100% 100% 100%	75% 75% 75% 96% 100% 100% 100% 85% 100% 100% 100% 100% 100% 100% 100% 10	75% 75% 75% 93% 100% 100% 100% 100% 100% 100% 100% 10	100% 100% 100% 100% 100% 100% 100% 100%	100% 95% 100% 100% 0% 0% 100% 100% 100% 100% 1
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		6.05	7.00	0.00	0.05			s for Week			2.05.71	4.05.71	E 05 T	5.00	7.00	0.05.71	0.05 -:	40.05.77	44.07.71	40.77
Land Use Retail Typical	Visitors	6:00 AM 1%	7:00 AM 5%	8:00 AM 15%	9:00 AM 35%	10:00 AM 60%	11:00 AM 75%	12:00 PM 100%	1:00 PM 100%	2:00 PM 95%	3:00 PM 85%	4:00 PM 85%	5:00 PM 85%	6:00 PM 90%	7:00 PM 80%	8:00 PM 65%	9:00 PM 45%	10:00 PM 15%	11:00 PM 5%	12:00 A
December	Visitors	1%	5%	15%	30%	55%	75%	90%	100%	100%	95%	80%	85%	90%	90%	85%	50%	30%	10%	0%
Late December	Visitors	1%	5%	10%	20%	40%	65%	90%	100%	100%	100%	95%	85%	70%	55%	40%	25%	15%	5%	0%
All	Employees	10%	15%	25%	45%	75%	95%	100%	100%	100%	100%	100%	100%	100%	100%	90%	60%	40%	20%	0%
upermarket/Grocery	Visitors	5%	20%	30%	50%	60%	67%	85%	90%	95%	97%	100%	100%	100%	85%	55%	35%	20%	5%	5%
,	Employees	20%	30%	40%	80%	90%	100%	100%	100%	100%	100%	100%	100%	80%	50%	35%	20%	20%	20%	20%
Pharmacy	Visitors	5%	20%	30%	60%	60%	67%	85%	90%	95%	97%	100%	100%	100%	85%	55%	35%	20%	5%	5%
,	Employees	20%	30%	40%	80%	90%	100%	100%	100%	100%	100%	100%	100%	80%	50%	35%	20%	20%	20%	20%
Discount Stores/Superstores	Visitors	15%	35%	45%	65%	75%	85%	100%	100%	100%	100%	95%	85%	75%	60%	45%	30%	10%	5%	1%
	Employees	25%	45%	55%	75%	85%	100%	100%	100%	100%	100%	100%	95%	85%	70%	55%	40%	20%	20%	20%
Home Improvement Stores/Garden	Visitors	15%	20%	35%	55%	85%	99%	100%	99%	98%	90%	85%	80%	75%	60%	50%	30%	10%	0%	0%
, , , , , , , , , , , , , , , , , , , ,	Employees	25%	30%	45%	65%	95%	100%	100%	100%	100%	100%	95%	90%	85%	70%	60%	40%	20%	0%	0%
Fine/Casual Dining	Visitors	0%	0%	0%	0%	15%	40%	75%	75%	65%	40%	50%	75%	95%	100%	100%	100%	95%	75%	25%
•	Employees	0%	20%	50%	75%	90%	90%	90%	90%	90%	75%	75%	100%	100%	100%	100%	100%	100%	85%	35%
Family Restaurant	Visitors	25%	50%	60%	75%	85%	90%	100%	90%	50%	45%	45%	0%	0%	0%	0%	0%	0%	0%	0%
,	Employees	50%	75%	90%	90%	100%	100%	100%	100%	100%	75%	75%	0%	0%	0%	0%	0%	0%	0%	0%
Fast Casual/Fast Food	Visitors	5%	10%	20%	30%	55%	85%	100%	100%	90%	60%	55%	60%	85%	80%	50%	30%	20%	10%	5%
·	Employees	20%	20%	30%	40%	75%	100%	100%	100%	95%	70%	60%	70%	90%	90%	60%	40%	30%	20%	20%
Bar/Lounge/Night Club	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	75%	100%	100%	75%	50%
,	Employees	0%	0%	0%	5%	5%	5%	5%	10%	10%	10%	20%	45%	70%	100%	100%	100%	100%	90%	60%
amily Entertainment	Visitors	0%	0%	0%	0%	45%	65%	85%	95%	100%	95%	90%	70%	60%	45%	0%	0%	0%	0%	0%
,	Employees	0%	0%	5%	25%	75%	100%	100%	100%	100%	100%	100%	80%	70%	55%	10%	5%	5%	5%	5%
Active Entertainment	Visitors	0%	0%	0%	0%	25%	65%	85%	90%	95%	95%	90%	95%	100%	95%	90%	65%	10%	0%	0%
	Employees	5%	5%	5%	25%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	10%	5%	5%
Adult Active Entertainment	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	75%	100%	100%	100%	100%
	Employees	0%	0%	0%	5%	5%	5%	5%	10%	10%	10%	20%	45%	70%	100%	100%	100%	100%	100%	100%
All Movies Typical	Visitors	0%	0%	0%	0%	0%	0%	20%	45%	55%	55%	55%	60%	60%	80%	100%	100%	80%	65%	40%
Late December	Visitors	0%	0%	0%	0%	0%	0%	35%	60%	75%	80%	80%	80%	70%	80%	100%	100%	85%	70%	55%
All	Employees	0%	0%	0%	0%	0%	10%	50%	60%	60%	75%	75%	100%	100%	100%	100%	100%	100%	70%	50%
Live Theater	Visitors	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	25%	100%	100%	0%	0%	0%
	Employees	0%	10%	10%	20%	20%	20%	30%	30%	30%	30%	30%	30%	100%	100%	100%	100%	30%	10%	5%
Outdoor Amphitheater	Visitors	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	25%	100%	100%	0%	0%	0%
	Employees	0%	10%	10%	20%	20%	20%	30%	30%	30%	30%	30%	30%	100%	100%	100%	100%	30%	10%	5%
Public Park/Destination Open Space	Visitors	1%	5%	10%	25%	50%	65%	85%	95%	100%	95%	90%	70%	90%	100%	100%	100%	80%	50%	10%
abile I any Destination Open Space	Employees	5%	10%	25%	50%	75%	100%	100%	100%	100%	100%	100%	80%	100%	100%	100%	100%	100%	60%	20%
Museum/Aquarium	Visitors	0%	0%	0%	0%	45%	65%	85%	95%	100%	95%	90%	85%	60%	30%	100%	0%	0%	0%	0%
wuseum/Aquanum	Employees	5%	5%	5%	25%	75%	100%	100%	100%	100%	100%	100%	80%	75%	10%	5%	0%	0%	5%	5%
Arena	Visitors	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	10%	25%	100%	100%	85%	0%	0%
No Matinee	Employees	0%	10%	10%	20%	20%	20%	30%	30%	30%	30%	30%	30%	100%	100%	100%	100%	30%	10%	5%
Pro Football Stadium	Visitors	0%	0%	0%	1%	1%	1%	5%	5%	5%	5%	5%	5%	100%	50%	100%	100%	85%	25%	0%
8 PM Start	Employees	0%	10%	10%	20%	20%	20%	30%	30%	30%	30%	30%	30%	100%	100%	100%	100%	100%	25%	10%
Pro Baseball Stadium	Visitors	0%	0%	0%	1%	1%	1%	5%	5%	5%	5%	5%	5%	100%	50%	100%	100%	85%	25%	0%
FTO Baseball Staululli	Employees	0%	10%	10%	20%	20%	20%	30%	30%	30%	30%	30%	30%	100%	100%	100%	100%	100%	25%	10%
Health Club	Visitors	70%	40%	40%	70%	70%	80%	60%	70%	70%	70%	80%	90%	100%	90%	80%	70%	35%	10%	0%
riealtii Club		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	100%	100%	75%	50%	20%	20%	20%	0%
Public Library	Employees Visitors	0%	0%	0%	100%	100%	98%	98%	78%	72%	65%	70%	79%	60%	50%	40%	0%	0%	0%	0%
rubiic Library		0%	10%	50%	100%	100%	100%	100%	100%	100%	100%	100%	90%	75%	50%	20%	10%	0%	0%	0%
Day Care Center	Visitors Visitors	0%	2%	25%	75%	20%	20%	20%	20%	20%	20%	100%	50%	20%	5%	0%	0%	0%	0%	0%
Day Care Center		0%	50%	75%	90%	90%	90%	90%	90%	90%	100%	100%	100%	60%	40%	10%	0%	0%	0%	0%
Convention Center	Employees	0%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	30%	30%	10%	0%	0%	0%
Convention Center	Visitors	5%	30%	33%	33%	100%	100%	100%	100%	100%	100%	90%	70%	40%	25%	20%	20%	5%	0%	0%
Hotel-Business	Employees Visitors	95%	90%	80%	70%	60%	60%	55%	55%	60%	60%	65%	70%	75%	75%	80%	85%	95%	100%	100%
																_				
Hotel-Leisure	Visitors	95%	95%	90%	80%	70%	70%	65%	65%	70%	70%	75%	80%	85%	85%	90%	95%	95%	100%	100%
Employee Postaurant / Launga	Employees	10%	30%	100%	100%	100%	100%	100%	100%	100%	100%	70%	70%	40%	20%	20%	20%	20%	10%	5%
Restaurant/Lounge	Visitors	0%	10%	30%	10%	10%	5%	100%	100%	33%	10%	10%	30%	55%	60%	70%	67%	60%	40%	30%
Meeting/Banquet (< 100 sq ft/key)	Visitors	0%	0%	30%	60%	60%	60%	65%	65%	65%	65%	65%	100%	100%	100%	100%	100%	50%	0%	0%
Convention (> 100 sq ft/key)	Visitors	0%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	30%	30%	10%	0%	0%	0%
Employee	Employees	10%	10%	60%	100%	100%	100%	100%	100%	100%	100%	100%	100%	60%	40%	40%	20%	0%	0%	0%
Residential Guest	Visitors	0%	10%	20%	20%	20%	20%	20%	20%	20%	20%	20%	40%	60%	100%	100%	100%	100%	80%	50%
Resident Reserved	Residents	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Resident Suburban	Residents	95%	80%	67%	55%	50%	45%	40%	40%	40%	40%	45%	50%	60%	70%	80%	85%	95%	97%	100%
Resident Urban	Residents	95%	85%	75%	65%	60%	55%	50%	50%	50%	55%	60%	65%	70%	75%	80%	85%	95%	97%	100%
Active Senior Housing	Visitors & Employees	95%	97%	100%	100%	99%	98%	98%	99%	98%	100%	99%	94%	96%	98%	97%	97%	97%	98%	98%
	Residents	95%	97%	100%	100%	99%	98%	98%	99%	98%	100%	99%	94%	96%	98%	97%	97%	97%	98%	98%
Office	Visitors	0%	1%	20%	60%	100%	45%	15%	45%	95%	45%	15%	10%	5%	2%	1%	0%	0%	0%	0%
	Employees Unreserved		15%	50%	90%	100%	100%	85%	85%	95%	95%	85%	60%	25%	15%	5%	3%	1%	0%	0%
	Employees Reserved	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Medical/Dental Office	Visitors	0%	0%	90%	90%	100%	100%	30%	90%	100%	100%	90%	80%	67%	30%	15%	0%	0%	0%	0%
	Employees	0%	20%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	67%	30%	15%	0%	0%	0%	0%
Bank (Drive In Branch)	Visitors	0%	0%	50%	90%	100%	50%	50%	50%	70%	50%	80%	100%	0%	0%	0%	0%	0%	0%	0%
	Employees	0%	0%	60%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%
Additional Land Use 1	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Employees	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Additional Land Use 2	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Employees	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Additional Land Use 3	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Employees	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Additional Land Use 4	Visitors	0%																U%		

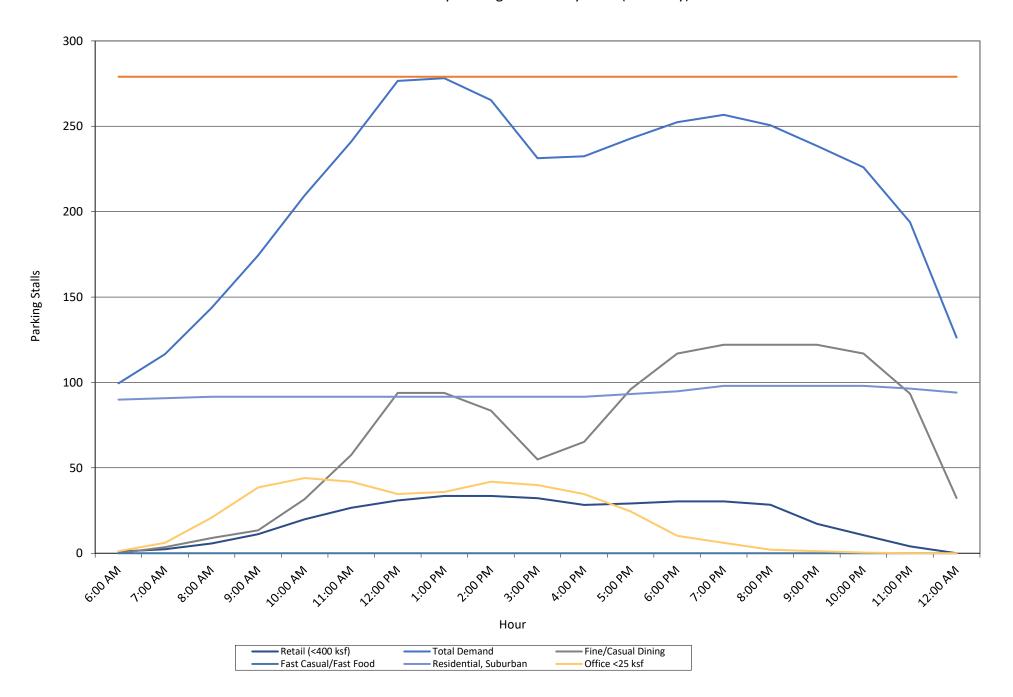
Land Use		6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	1 12:00
Retail Typical	Visitors	1%	5%	30%	50%	70%	90%	95%	1:00 PM	100%	95%	90%	80%	75%	7:00 PIVI	65%	50%	30%	10%	09
December	Visitors	1%	5%	10%	35%	60%	85%	100%	100%	100%	100%	90%	80%	65%	60%	55%	50%	35%	15%	19
ate December	Visitors	1%	5%	10%	20%	40%	60%	80%	95%	100%	100%	95%	85%	70%	60%	50%	30%	20%	10%	09
All	Employees	10%	15%	40%	75%	85%	95%	100%	100%	100%	100%	100%	95%	85%	80%	75%	65%	45%	15%	09
upermarket/Grocery	Visitors	8%	25%	50%	75%	95%	100%	100%	100%	100%	100%	100%	90%	50%	33%	25%	15%	5%	4%	39
	Employees	15%	35%	70%	85%	100%	100%	100%	100%	85%	75%	60%	55%	45%	40%	30%	20%	10%	10%	59
harmacy	Visitors	8%	25%	50%	75%	95%	100%	100%	100%	100%	100%	100%	90%	50%	33%	25%	15%	5%	4%	35
	Employees	15%	35%	70%	85%	100%	100%	100%	100%	85%	75%	60%	55%	45%	40%	30%	20%	10%	10%	5
Discount Stores/Superstores	Visitors	10%	15%	20%	30%	45%	65%	85%	95%	100%	100%	100%	95%	80%	60%	45%	30%	10%	5%	1
	Employees	20%	25%	30%	40%	55%	75%	95%	100%	100%	100%	100%	100%	90%	70%	55%	40%	20%	15%	0
Iome Improvement Stores/Garden	Visitors	15%	20%	35%	55%	60%	80%	95%	100%	95%	95%	80%	75%	75%	80%	90%	70%	10%	0%	9
: (n ln: :	Employees	25%	30%	45%	65%	70%	90%	100%	100%	100%	100%	90%	85%	85%	90%	100%	80%	20%	0%	0
ine/Casual Dining	Visitors	0% 0%	20%	0% 30%	0% 60%	0% 75%	15% 75%	50% 75%	55% 75%	45% 75%	45% 75%	45% 75%	60% 100%	90%	95% 100%	100% 100%	90%	90% 100%	90% 85%	50
amily Restaurant	Employees Visitors	10%	25%	45%	70%	90%	90%	100%	85%	65%	40%	45%	0%	0%	0%	0%	0%	0%	0%	0
anny nestaurane	Employees	50%	75%	90%	90%	100%	100%	100%	100%	100%	75%	75%	0%	0%	0%	0%	0%	0%	0%	0
ast Casual/Fast Food	Visitors	5%	10%	20%	30%	55%	85%	100%	100%	90%	60%	55%	60%	85%	80%	50%	30%	20%	10%	5
	Employees	15%	20%	30%	40%	75%	100%	100%	100%	95%	70%	60%	70%	90%	90%	60%	40%	30%	20%	20
ar/Lounge/Night Club	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	75%	100%	100%	100%	10
	Employees	0%	0%	0%	5%	5%	5%	5%	10%	10%	10%	20%	45%	70%	100%	100%	100%	100%	100%	10
amily Entertainment	Visitors	0%	0%	0%	0%	25%	65%	85%	90%	95%	95%	90%	95%	100%	95%	90%	65%	10%	0%	0
	Employees	5%	5%	5%	25%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	10%	5%	5
ctive Entertainment	Visitors	0%	0%	0%	0%	25%	65%	85%	90%	95%	95%	90%	95%	100%	95%	90%	65%	10%	0%	0
	Employees	5%	5%	5%	25%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	10%	5%	5
dult Active Entertainment	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	75%	100%	100%	100%	10
	Employees	0%	0%	0%	5%	5%	5%	5%	10%	10%	10%	20%	45%	70%	100%	100%	100%	100%	100%	10
ll Movies Typical	Visitors	0%	0%	0%	0%	0%	0%	20%	45%	55%	55%	55%	60%	60%	80%	100%	100%	100%	80%	50
Late December	Visitors	0%	0%	0%	0%	0%	0%	35%	60%	75%	80%	80%	80%	70%	80%	100%	100%	100%	85%	70
JI	Employees	0%	0%	0%	0%	0%	0%	50%	60%	60%	75%	75%	100%	100%	100%	100%	100%	100%	70%	50
ive Theater	Visitors	0%	0%	0%	1%	1%	1%	1%	17%	67%	67%	1%	1%	1%	25%	100%	100%	0%	0%	0
	Employees	0%	10%	10%	20%	20%	20%	30%	100%	100%	100%	30%	30%	100%	100%	100%	100%	30%	10%	5
utdoor Amphitheater	Visitors	0%	0%	0%	1%	1%	1%	1%	17%	67%	67%	1%	1%	1%	25%	100%	100%	0%	0%	0
11: 0 1/0 1: 1: 0 6	Employees	0%	10%	10%	20%	20%	20%	30%	100%	100%	100%	30%	30%	100%	100%	100%	100%	30%	10%	5
ublic Park/Destination Open Space	Visitors	0%	0%	0%	1%	30%	60%	75%	90%	97%	100%	98%	85%	70%	80%	100%	100%	95%	50%	10
A / A	Employees	0%	0%	10%	25%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	90%	80
/luseum/Aquarium	Visitors	0% 5%	0% 5%	0% 5%	0% 25%	45% 75%	65% 100%	85% 100%	95% 100%	100%	95% 100%	90% 100%	85% 80%	60% 75%	30% 10%	10% 5%	0%	0% 0%	0% 5%	5
rena	Employees	0%	0%	0%	1	1%	1%	1%	25%		95%	81%	1%	1%	25%	100%		0%	0%	0
lo Matinee	Visitors Employees	0%	10%	10%	1% 20%	20%	20%	30%	100%	95% 100%	100%	100%	30%	100%	100%	100%	100%	30%	10%	5
ro Football Stadium	Visitors	0%	0%	1%	1%	5%	5%	50%	100%	100%	85%	25%	0%	0%	0%	0%	0%	0%	0%	0
8 PM Start	Employees	0%	5%	10%	20%	30%	30%	100%	100%	100%	100%	25%	10%	5%	5%	0%	0%	0%	0%	0
ro Baseball Stadium	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	90%	100%	100%	100%	0%	0
	Employees	0%	0%	0%	5%	5%	5%	5%	5%	5%	5%	20%	75%	75%	100%	100%	100%	100%	100%	10
lealth Club	Visitors	80%	45%	35%	50%	35%	50%	50%	30%	25%	30%	55%	100%	95%	60%	30%	10%	1%	1%	0
	Employees	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	75%	100%	100%	75%	50%	20%	20%	20%	0
ublic Library	Visitors	0%	0%	0%	0%	100%	90%	80%	65%	50%	35%	11%	5%	5%	0%	0%	0%	0%	0%	0
	Employees	0%	0%	10%	50%	100%	100%	100%	100%	100%	50%	10%	10%	10%	10%	0%	0%	0%	0%	0
ay Care Center	Visitors	0%	2%	25%	75%	20%	20%	20%	20%	20%	20%	100%	50%	20%	5%	0%	0%	0%	0%	0
	Employees	0%	50%	75%	90%	90%	90%	90%	90%	90%	100%	100%	100%	60%	40%	10%	0%	0%	0%	0
onvention Center	Visitors	0%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	30%	30%	10%	0%	0%	0
	Employees	5%	30%	33%	33%	100%	100%	100%	100%	100%	100%	90%	70%	40%	25%	20%	20%	5%	0%	0
lotel-Business	Visitors	95%	90%	80%	70%	60%	60%	55%	55%	60%	60%	65%	70%	75%	75%	80%	85%	95%	100%	10
lotel-Leisure	Visitors	95%	95%	90%	80%	70%	70%	65%	65%	70%	70%	75%	80%	85%	85%	90%	95%	95%	100%	10
mployee	Employees	10%	30%	100%	100%	100%	100%	100%	100%	100%	100%	70%	70%	40%	20%	20%	20%	20%	10%	5
estaurant/Lounge	Visitors	0%	10%	30%	10%	10%	5%	100%	100%	33%	10%	10%	30%	55%	60%	70%	67%	60%	40%	30
Meeting/Banquet (< 100 sq ft/key)	Visitors	0%	0%	30%	60%	60%	60%	65%	65%	65%	65%	65%	100%	100%	100%	100%	100%	50%	0%	0
onvention (> 100 sq ft/key)	Visitors	0%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	30%	30%	10%	0%	0%	0
mployee	Employees	10%	10%	60%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	60%	10%	10
esidential Guest	Visitors	100%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	40%	60%	100%	100%	100%	100%	80%	10
tesident Reserved	Residents	100%	100% 95%	100% 88%	100%	100%	100% 70%	100%	100%	100% 65%	100%	100% 71%	100% 74%	100% 77%	100% 80%	100% 83%	100% 86%	100% 89%	100% 92%	10
esident Suburban esident Urban	Residents Residents	90%	85%	88%	75%	75% 70%	69%	68%	65% 67%	66%	68% 55%	60%	55%	50%	55%	65%	75%	89% 85%	92%	10
esident Urban ctive Senior Housing		90%			95%	93%	94%		99%			99%				-		94%	90%	9:
erive sellini unnzilik	Visitors Employees	94%	98%	97% 97%	95%	93%	94%	97% 97%	99%	100%	100% 100%	99%	98% 98%	98%	98% 98%	97% 97%	95% 95%	94%	98%	9
iffice	Visitors	0%	20%	60%	80%	93%	100%	90%	80%	60%	40%	20%	10%	5%	0%	0%	0%	0%	0%	9
mee	Employees Unreserved		20%	60%	80%	90%	100%	90%	80%	60%	40%	20%	10%	5%	0%	0%	0%	0%	0%	0
	Employees Reserved	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	10
ledical/Dental Office	Visitors	0%	0%	90%	90%	100%	100%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10
, Dental Office	Employees	0%	20%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
ank (Drive In Branch)	Visitors	0%	0%	25%	40%	75%	100%	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	- 0
	Employees	0%	0%	90%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
dditional Land Use 1	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	(
GG.C.G. GI LUNG USC 1	Employees	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
dditional Land Use 2	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
uuttonal Lanu USC Z	Employees	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
dditional Land Use 3	Visitors	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
uuruonai Lanu OSC 3						0%			-											0
	Employees	0%	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Weekday Month-by-Month Estimated Parking Demand

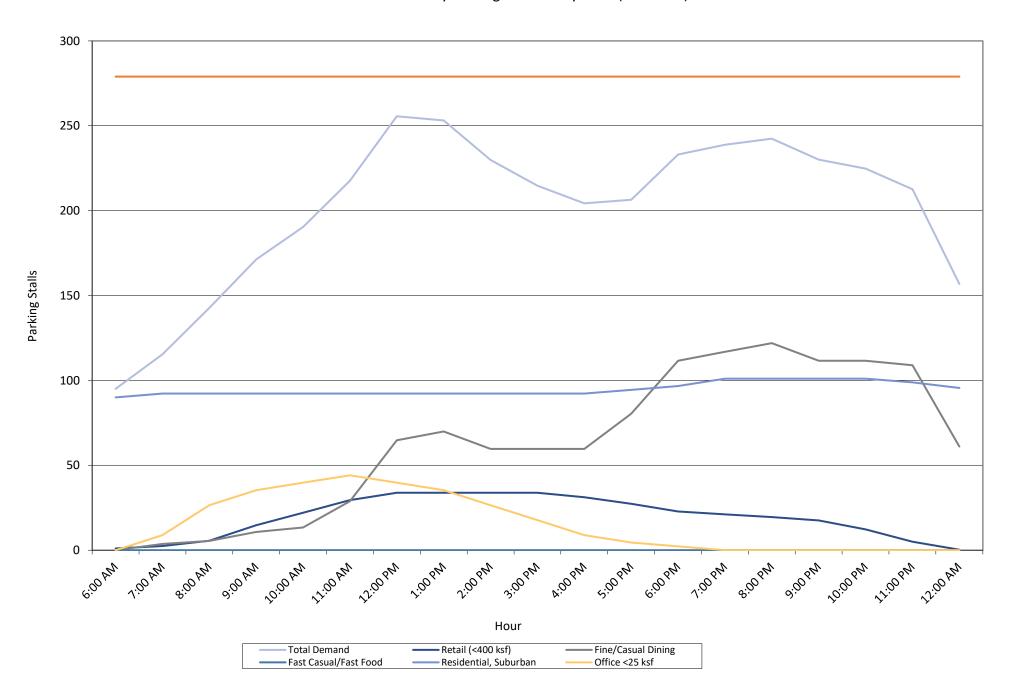




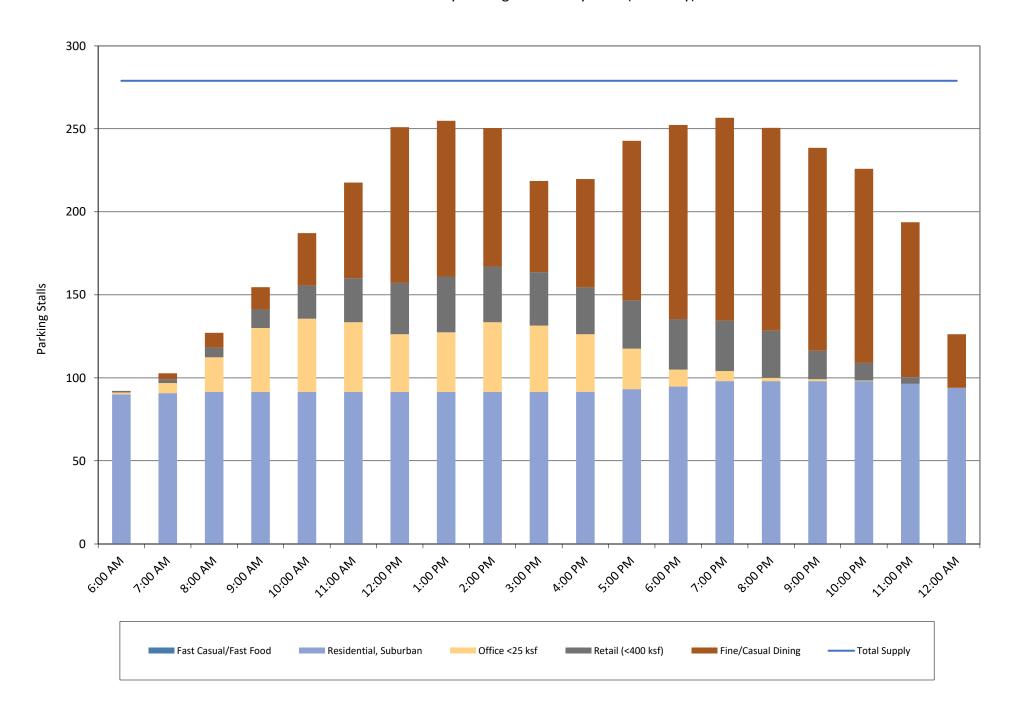
Peak Month Daily Parking Demand by Hour (Weekday)



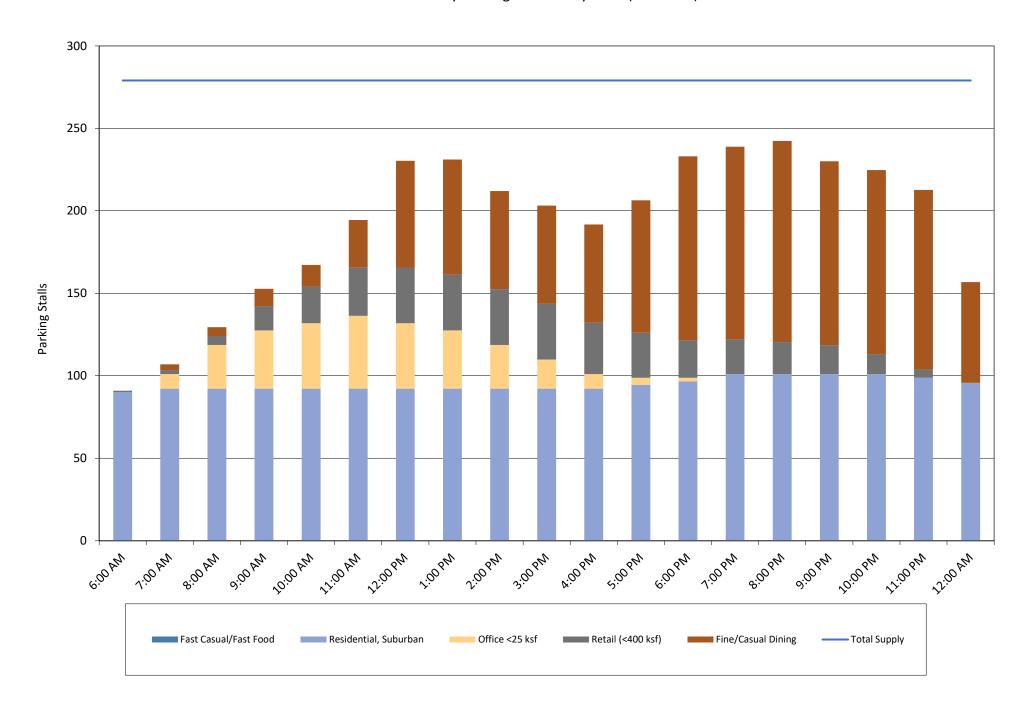
Peak Month Daily Parking Demand by Hour (Weekend)



Peak Month Daily Parking Demand by Hour (Weekday)



Peak Month Daily Parking Demand by Hour (Weekend)



ITEM #8

DATE: November 5, 2024

TO: Planning Commission

FROM: R. Brent Savidant, Community Development Director

SUBJECT: GENERAL BUSINESS – 2025 MEETING SCHEDULE

Near the end of every calendar year, the Planning Commission is asked to approve the Planning Commission meeting schedule for the upcoming year by resolution. The schedule is then added to the City website calendar and posted at City Hall as per the Open Meetings Act.

You will note that only one meeting is proposed for December. The second meeting in December (December 23) is two days before Christmas and it is anticipated that many members may be out of town.

The proposed 2025 Planning Commission Meeting Schedule is attached for your information.

Attachment:

1. Proposed 2025 Planning Commission Meeting Schedule

CITY OF TROY MICHIGAN PUBLIC NOTICE CITY PLANNING COMMISSION

In accordance with the provisions of the Michigan State Law, Notice is hereby given that the Planning Commission of the City of Troy will hold Public Meetings in the City Hall, 500 West Big Beaver Road, Troy, Michigan, (248) 524-3364, on the following dates:

2025 PLANNING COMMISSION REGULAR MEETING DATES

January 14	July 8
January 28	July 22
February 11	August 12
February 25	August 26
March 11	September 9
March 25	September 23
April 8	October 14
April 22	October 28
May 13 May 27	November 11 November 25
June 10 June 24	December 9

All meetings are held in City Hall and are open to the public.

The Agenda and City website will reflect any changes in meeting times and/or rooms.

Regular Planning Commission meetings begin at 7:00 p.m. and are held in the Council Board Room. Meetings are subject to be held in the Council Chamber based on anticipated audience capacity.

This notice is hereby posted as required by Section 4 of the Open Meetings Act (MCLA 15.261 et seq.)

R. Brent Savidant, AICP
Community Development Director

Posted:

NOTICE: People with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk by e-mail at clerk@troymi.gov or by calling (248) 524-3316 at least two working days in advance of the meeting. An attempt will be made to make reasonable accommodations.