

500 West Big Beaver Troy, MI 48084 troymi.gov

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PLANNING COMMISSION MEETING AGENDA REGULAR MEETING

David Lambert, Chairman, Marianna Perakis, Vice Chairman Toby Buechner, Carlton Faison, Michael W. Hutson, Tom Krent, Lakshmi Malalahalli, Sadek Rahman and John J. Tagle

April 26, 2022

7:00 P.M.

Council Chambers

- 1. ROLL CALL
- 2. <u>APPROVAL OF AGENDA</u>
- 3. <u>APPROVAL OF MINUTES</u> April 12, 2022
- 4. PUBLIC COMMENT For Items Not on the Agenda

PUBLIC HEARING

 <u>PUBLIC HEARING - PRELIMINARY SITE PLAN REVIEW (SP JPLN2021-0023)</u> -Proposed Eckford Oaks One Family Residential Cluster, North side of Eckford, West of Rochester (PIN 88-20-15-251-026 & 88-20-15-251-017), Section 15, Currently Zoned R-1B (One Family Residential) District

OTHER ITEMS

- 6. PUBLIC COMMENTS For Items on the Agenda
- 7. PLANNING COMMISSION COMMENT
- 8. <u>ADJOURN</u>

Chair Lambert called the Regular meeting of the Troy City Planning Commission to order at 7:00 p.m. on April 12, 2022, in the Council Chamber of the Troy City Hall. Chair Lambert and Vice Chair Perakis presented opening remarks relative to the role of the Planning Commission and procedure of tonight's meeting.

1. ROLL CALL

<u>Present:</u> Toby Buechner Carlton M. Faison Michael W. Hutson Tom Krent David Lambert Lakshmi Malalahalli Marianna Perakis Sadek Rahman John J. Tagle

Also Present:

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

2. <u>APPROVAL OF AGENDA</u>

Resolution # PC-2022-04-020

Moved by: Krent Support by: Faison

RESOLVED, To remove Agenda items #5 and #6, Preliminary Site Plan Reviews for Westington Phase II and Hills West, at the request of the applicant.

Yes: All present (9)

MOTION CARRIED

Resolution # PC-2022-04-021

Moved by: Buechner Support by: Perakis

RESOLVED, To approve the Agenda as amended.

Yes: All present (9)

MOTION CARRIED

3. <u>APPROVAL OF MINUTES</u> – March 22, 2022

Resolution # PC-2022-04-022

Moved by: Malalahalli Support by: Hutson

RESOLVED, To approve the minutes of the March 22, 2022 Regular meeting as submitted.

Yes: Buechner, Faison, Hutson, Krent, Lambert, Malalahalli, Perakis, Rahman Abstain: Tagle

MOTION CARRIED

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

There was no one present who wished to speak.

(Agenda items #5 and #6 removed from the Agenda. Refer to Resolution #PC-2022-04-020)

OTHER ITEMS

7. <u>PUBLIC COMMENT</u> – For Items on the Agenda

There was no one present who wished to speak.

8. PLANNING COMMISSION COMMENT

Mr. Carlisle addressed the first meeting of the Neighborhood Nodes subcommittee. He shared that the subcommittee reviewed the intent of the Neighborhood Nodes section in the Master Plan and nine neighborhood nodes, parcel by parcel. Mr. Carlisle said the subcommittee would review the remaining neighborhood nodes at their second meeting on April 13, and that a third meeting would be scheduled to prepare a summary of their conclusions and recommendations which would be presented to the Planning Commission.

Mr. Savidant addressed the effectiveness of a subcommittee and noted the committee accomplished a lot in their 3-hour meeting. He told Board members to expect significant changes to the intent of the Neighborhood Nodes section in the Master Plan. Mr. Savidant announced the subcommittee meetings are open to the public and one can speak during the public comment section of the agenda.

Chair Lambert said the subcommittee findings will ultimately come before the Planning Commission for a collective decision.

9. <u>ADJOURN</u>

The Regular meeting of the Planning Commission adjourned at 7:09 p.m.

Respectfully submitted,

David Lambert, Chair

Kathy L. Czarnecki, Recording Secretary

https://d.docs.live.net/2f7ed4fe5f664ea8/Documents/Kathy/COT Planning Commission Minutes/2022/2022 04 12 Draft.docx

DATE: April 21, 2022

- TO: Planning Commission
- FROM: R. Brent Savidant, Community Development Director
- SUBJECT: <u>PUBLIC HEARING PRELIMINARY SITE PLAN REVIEW (SP JPLN2021-0023)</u> -Proposed Eckford Oaks One Family Residential Cluster, North side of Eckford, West of Rochester (PIN 88-20-15-251-026 & 88-20-15-251-017), Section 15, Currently Zoned R-1B (One Family Residential) District

The petitioner Troy Eckford, LLC submitted the above referenced Preliminary Site Plan application for a 26-unit One Family Residential Cluster. The development proposes to preserve 54% open space on the 8.7-acre parcel. The Planning Commission is responsible for providing a recommendation to City Council for this item.

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. Preliminary Site Plan Application
- 4. Public comment

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PROPOSED RESOLUTION

<u>PUBLIC HEARING - PRELIMINARY SITE PLAN REVIEW (SP JPLN2021-0023)</u> -Proposed Eckford Oaks One Family Residential Cluster, North side of Eckford, West of Rochester (PIN 88-20-15-251-026 & 88-20-15-251-017), Section 15, Currently Zoned R-1B (One Family Residential) District

Resolution # PC-2022-04-

Moved by: Support by:

RESOLVED, The Planning Commission hereby recommends to the City Council that the proposed Eckford Oaks Site Condominium (One Family Residential Cluster), 26 units/lots, North side of Eckford, West of Rochester (Parcels 88-20-15-275-016, 88-20-15-275-017), Section 15, approximately 8.7 acres in size, Currently Zoned R-1B (One Family Residential) District, be approved for the following reasons:

- 1. The cluster development better protects the sites natural resources than if the site were not developed as a cluster.
- 2. The cluster development better protects the adjacent properties than if the site were not developed as a cluster.
- 3. The cluster development is compatible with adjacent properties.
- 4. The site can be adequately served with municipal water and sewer.
- 5. The cluster development preserves 45% open space, to remain open space in perpetuity.

BE IT FINALLY RESOLVED, The Planning Commission offers the following design considerations:

1. Applicant shall indicate limits of grading to confirm impact upon onsite wetlands and floodplains, prior to Final Site Plan Approval.

Yes: Absent:

Absent.

MOTION CARRIED

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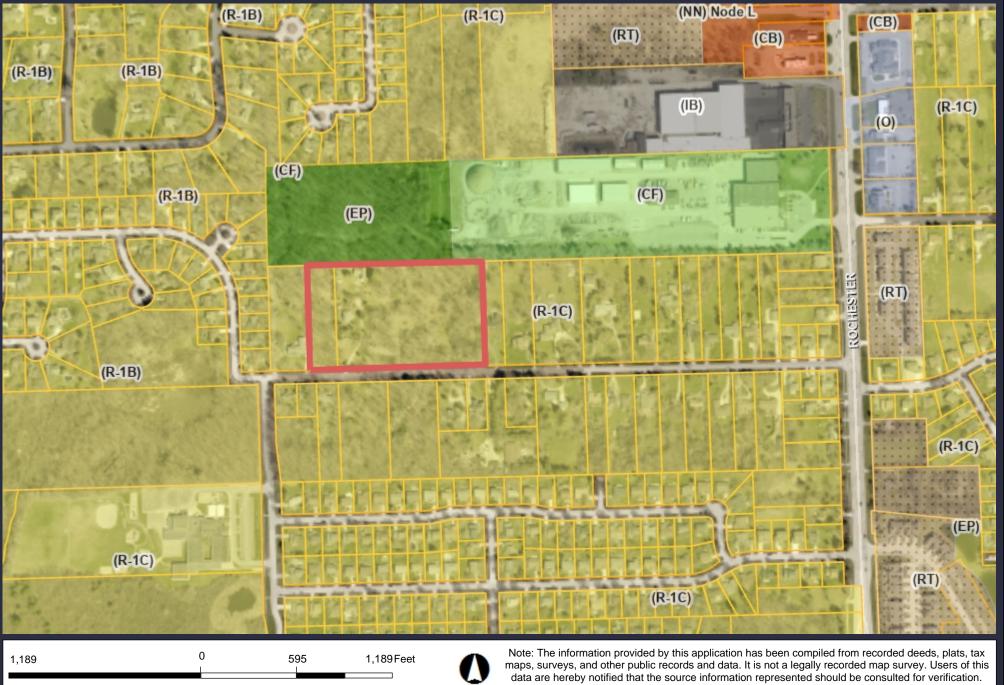
GIS Online



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.



GIS Online





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

Date: April 15, 2022

Preliminary Site Condominium Cluster Review For City of Troy, Michigan

Project Name:	Eckford Oaks
Plan Date:	March 18, 2022
Location:	North side of Eckford, between Rochester and Livernois
Zoning:	R-1C, One-family Residential District
Action Requested:	Preliminary Site Condominium Cluster Approval
Required Information:	Deficiencies noted.

PROJECT AND SITE DESCRIPTION

We are in receipt of a preliminary site plan application for a twenty-six (26) unit detached single-family condominium cluster development. The twenty-six (26) new lots will be accessed from a new private road that is located off Eckford Drive. The site is comprised of two parcels and is a total of 8.7 acres. The site is vacant but encumbered with wetlands, floodplain, floodway, and tree cover.

The applicant proposes a cluster development. The base density base under the R-1C, One-Family Residential as determined by the submission of a parallel plan is twenty-one (21) units. The applicant is seeking five (5) additional units above the parallel plan density by doing a cluster, providing 45% of the total site as open space, and preserving area around the Houghton Drain.

The applicant is proposing three housing option types which range in size from an 1,800 sq/ft ranch with second floor option to a 2,500 sq/ft colonial.

Eckford Oaks April 15, 2022

Furthermore, the applicant is also providing a 10-foot wide public bike path through their development. The path is intended to continue the path that starts at the Daisy Knight Dog Park on Livernois through the DPW site just to the north.

Figure 1. - Location and Aerial Image of Subject Site



Eckford Oaks April 15, 2022

Size of Subject Property:

The parcel is 8.7 acres

Proposed Uses of Subject Parcel:

Twenty-six (26) detached single family condominium cluster development.

Current Use of Subject Property:

The subject property is currently vacant

Current Zoning:

The property is currently zoned R-1C, One-family Residential District.

Surrounding Property Details:

Direction	Zoning	Use
North	EP, Environmental Protection / CF, Community	Department of Public
	Facility	Works facility
South	R-1C, One-family Residential District	Single-family homes
East	R-1C, One-family Residential District	Single-family homes
West	R-1C, One-family Residential District	Single-family homes



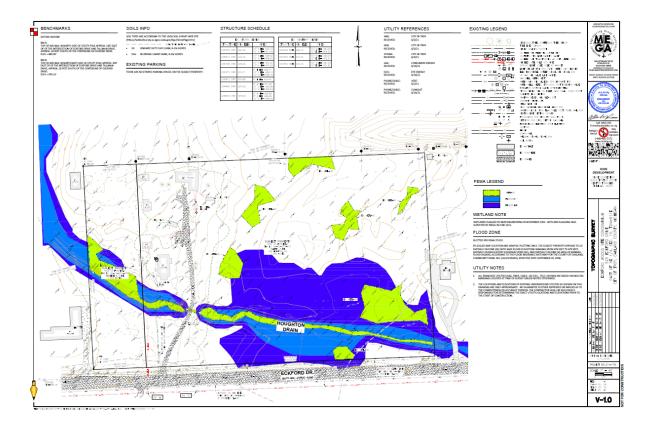
NATURAL RESOURCES

The southern portion of the site is bisected by the Houghton Drain.

- Topography:A topographic survey has been provided on sheet V-1.0. The site slopes
from the north into the southern portion that contains the Houghton
Drain.
- Wetlands: The wetland delineation report found eight (8) wetland and one watercourse likely regulated by the Michigan Department of Environment, Great Lakes & Energy (EGLE).

The applicant appears to impact wetlands including those associated within the Houghton Drain.

Floodplain: The submitted topography survey shows the existing conditions of the onsite floodplain. The Engineering Department notes that FEMA approval of Flood Plain boundary will be required and OCDC permit for work around Houghton Drain will be required. The applicant should show limits of grading to indicate amount of potential disturbance to floodplain, and wetlands.



Woodlands:A tree survey has been provided to inventory the natural features that
exist onsite. The survey identified a total of approximately 313 trees
on site. Most are noted as good quality with only a few invasive species.
The applicant proposes to remove 153 regulated trees and protect 160
regulated trees. Full replacement and preservation details are shown
in Table 2.

Replacement Details									
Protected Tree	Inches Removed	Replacement Required							
Landmark	1356 inches	1356 inches							
Woodland	997 inches	479 inches							
Preservation/Mitigation	Inches Preserved	Credit							
Landmark	1084 inches	2168 inches							
Woodland	898 inches	1796 inches							
Total	0 inches required for replacement. The number of inches								
	preserved and credited exceed the mitigation required.								

Table 2. – Woodland Protection Ordinance

Items to be addressed: Applicant should indicate limits of grading to confirm impact upon onsite wetlands and floodplains.

SITE ARRANGEMENT

The proposed one-family cluster development consists of twenty-six (26) units. All twenty-six (26) new lots will be accessed from a new private road off Eckford Drive. The proposed lots range between 6,492 sq. ft. and 15,048 sq. ft.

The applicant has submitted a parallel plan to establish a base density and portray the visual difference between traditional site design versus a cluster development. The cluster option is offered as an alternative to traditional residential development. The cluster option is intended to:

- 1. Encourage the use of property in accordance with its natural character.
- 2. Assure the permanent preservation of open space and other natural features.
- 3. Provide recreational facilities and/or open space within a reasonable distance of all residents of the Cluster development.
- 4. Allow innovation and greater flexibility in the design of residential developments.
- 5. Facilitate the construction and maintenance of streets, utilities, and public services in a more economical and efficient manner.
- 6. Ensure compatibility of design and use between neighboring property.
- 7. Encourage a less sprawling form of development, thus preserving open space as undeveloped land.

Eckford Oaks April 15, 2022

8. Allow for design innovation to provide flexibility for land development where the normal development approach would otherwise be unnecessarily restrictive or contrary to other City goals

Items to be addressed: Planning Commission shall determine if requirements are met to qualify for cluster development options and if the additional number of units is commensurate with open space being preserved.

AREA, WIDTH, HEIGHT, SETBACKS and REGULATORY FLEXIBILITY

The intent of the cluster development provisions is to relax the typical R-1C district bulk requirements in order to encourage a less sprawling form of development that preserves open space and natural resources. As set forth in 10.04.E the applicant is able to seek specific departures from the dimensional requirements of the Zoning Ordinance for yards and perimeter setback as a part of the approval process.

	Required/Allowed	Provided	Compliance		
Density	Overall density shall not exceed the number of residential cluster units as developed under a conventional site condominium, unless a density bonus has been granted by City Council.	Base Density = 21 units + Cluster bonus (45% bonus) = 30 units are allowed The applicant is seeking 26 units.	Complies. 26 units are permitted with City Council approval.		
Perimeter Setback	Equal to the rear yard setback requirement for the underlying zoning district of the property directly adjacent to each border = 40 feet on east and west perimeter setback. Varies between 25-feet and 40- feet on the north side.	Deck for units 6 encroaches 10 feet and decks for units 5, 7-12 encroach 5-feet into the required 25-foot perimeter setback along northern property line. Unit 13 encroaches up to 20 feet into the required 50-foot perimeter setback along the northern property line	Complies with City Council relief of setbacks.		
Lot Size	10,500 sq. ft.	Range in size from 6,492 sq. ft. and 15,048 sq. ft.	Complies with approval of Cluster by City Council		
Front Setback (building)	20 feet	25 feet	Compiles		
Rear Setback (building)	25-feet setback	Decks for units 5-12, 15, 17-25 encroach into the required 25- foot rear yard setback	Complies with City Council relief of setbacks.		
Side Setback (building)	7.5-feet setback	7.5-feet minimum	Complies		
Open Space Requirements: Minimum Percentage	20%	Proposing to preserve 4.0 acres of the 8.7 acres, or 45% for open space.	Complies. Applicant must submit open space preservation covenant.		

Table 1. – Bulk Requirements

Deck for units 6 encroaches 10 feet and decks for units 5, 7-12 encroach 5-feet into the required 25foot perimeter setback along northern property line. Unit 13 encroaches up to 20 feet into the required 50-foot perimeter setback along the northern property line. Please note that these encroachments are along the northern property line, which abut to the DPW yard and city owned Environmental Protection zoned property. In addition, decks for units 5-12, 15, 17-25 encroach into the required 25-foot rear yard setback.

The City Council, based upon a recommendation from the Planning Commission, may waive the perimeter and rear lot provisions provided that the applicant has demonstrated innovative and creative site and building designs and solutions, which would otherwise be unfeasible or unlikely to be achieved absent this provision. The Planning Commission should consider the purpose and intent of the Cluster Development option in considering the setback deviations.

We find these appropriate waivers to allow a limited encroachment for decks.

Items to be addressed: Consider the deck encroachment into perimeter and rear buffer

OPEN SPACE REQUIREMENTS

A requirement of the Cluster Option is to provide at least one (1) of the following open space benefits:

- a. Significant Natural Features. Preservation of significant natural features contained on the site, as long as it is in the best interest of the City to preserve the natural features that might be negatively impacted by conventional residential development. The determination of whether the site has significant natural features shall be made by the City Council, after review of a Natural Features Analysis, prepared by the applicant, that inventories these features; or
- b. Recreation Facilities. If the site lacks significant natural features, it can qualify with the provision of usable recreation facilities to which all residents of the development shall have reasonable access. Such recreation facilities include areas such as a neighborhood park, passive recreational facilities, soccer fields, ball fields, bike paths, or similar facilities that provide a feature of community-wide significance and enhance residential development. Recreational facilities that are less pervious than natural landscape shall not comprise more than fifty (50) percent of the open space. The determination of whether the site has significant natural features shall be made by the City Council after review of a Site Analysis Plan, prepared by the applicant, that inventories these features; or
- c. Preservation of Common Open Space or Creation of Natural Features. If the site lacks significant natural features, a proposed development may also qualify if the development will preserve common open space or create significant natural features such as wetlands. The determination of whether the site has significant natural features shall be made by the City Council after review of a Site Analysis Plan, prepared by the applicant, which inventories these features.

The site is 8.7 acres, and the applicant is proposing to reserve 4.0 acres for common open space, or 45% of the total site. Open space is provided along the Houghton Drain, which bisects the site. As part of the review, the Planning Commission is to consider and make a recommendation to City Council if the layout and open space plan meets the intent and standards of the Cluster provision and has the applicant creatively designed the site to either preserve significant natural resources (trees, wetland, and floodplain) or provide quality open space.

Guarantee of Open Space and Tree Preservation:

The applicant shall provide documentation to guarantee that all open space portions of the development will be preserved and maintained as approved and that all commitments for

Eckford Oaks April 15, 2022

such preservation and maintenance are binding on successors and future owners of the subject property. All such documents shall be subject to approval by the City Attorney. No structures (pools, sheds) or equipment (play structures, etc.) are permitted within the dedicated open space area.

Items to be addressed: Planning Commission is to consider and make a recommendation to City Council if the layout and open space plan, and/or natural features meet the intent of the Cluster provision and has the applicant creatively designed the site to either preserve significant natural resources (trees) or provide quality open space.

SITE ACCESS AND CIRCULATION

Vehicular

Access to the site will be from a single location off Eckford Drive. The development will be served by an internal twenty-eight (28) foot wide private road, located inside of a forty (40) foot roadway easement.

<u>Pedestrian</u>

The applicant proposes a five (5) foot wide concrete sidewalk along the perimeter of the private road. The internal sidewalk will connect to existing sidewalk on Eckford Drive.

The applicant is also providing a 10-foot wide public bike path through their development. The path is intended to continue the path that starts at the Daisy Knight Dog Park on Livernois through the DPW site just to the north.

Items to be Addressed: City Engineer to review site access and circulation.

STORMWATER

Stormwater will be managed by a regional detention system.

Items to be Addressed: None.

LANDSCAPING

One-Family Cluster development landscaping requirements are regulated by Section 13.02.F.2.

Frontage	Required	Provided	Compliance
Proposed Private Road	One (1) deciduous tree for every 50 lineal feet. 1,795/50 = 36 trees = 36 trees	36 trees	Complies
Eckford	One (1) large evergreen tree per fifty (50) lineal feet. 296 lf/50 lf = 6 evergreen trees	6 proposed	Complies

Table 2. – Landscaping Requirements

Items to be Addressed: None.

ELEVATIONS AND FLOOR PLANS

The applicant has submitted a five housing options ranging from 1,800 to 2,500 sq/ft. All are one story. Materials were not indicted

Items to be Addressed: Indicate materials.

CLUSTER STANDARDS

As set forth in section 10.04.I, the applicant shall demonstrate that through the use of the Cluster option, the development will accomplish a sufficient number of the following objectives, as are reasonably applicable to the site, providing:

- a. Long-term protection and preservation of natural resources, natural features, and open space of a significant quantity and/or quality in need of protection or preservation, and which would otherwise be unfeasible or unlikely to be achieved absent these regulations.
- b. Innovative and creative site design through flexibility in the siting of dwellings and other development features that would otherwise be unfeasible or unlikely to be achieved absent these regulations.
- c. Appropriate buffer and/or land use transitions between the Cluster development and surrounding properties.
- d. A compatible mixture of open space, landscaped areas, and/or pedestrian amenities.
- e. Sustainable design features and techniques, such as green building, stormwater management best practices, and low impact design, which will promote and encourage energy conservation and sustainable development.
- f. A means for owning common open space and for protecting it from development in perpetuity.
- g. Any density bonus is commensurate with the benefit offered to achieve such bonus.
- h. The cluster development shall be adequately served by essential public facilities and services, such as: streets, pedestrian or bicycle facilities, police and fire protection,

drainage systems, refuse disposal, water and sewage facilities, and schools. Such services shall be provided and accommodated without an unreasonable public burden.

i. The architectural form, scale, and massing shall ensure buildings are in proportion and complementary to those of adjacent properties and the selected building materials are of high, durable quality. The garage shall not be the dominant feature of a residential building.

RECOMMENDATIONS

Planning Commission shall determine if requirements are met to qualify for cluster development option, if the required standards have been met, and if the additional number of units is commensurate with open space being preserved.

Items to consider include:

- Applicant should indicate limits of grading to confirm impact upon onsite wetlands and floodplains.
- Applicant is seeking following relief:
 - Decks for units 5-12, 15, 17-25 encroach into the required 25-foot rear yard setback Decks for units 14-18 encroach into the 40-foot perimeter setback
 - Deck for units 6 encroaches 10 feet and decks for units 5, 7-12 encroach 5feet into the required 25-foot perimeter setback along northern property line. Unit 13 encroaches up to 20 feet into the required 50-foot perimeter setback along the northern property line
- Indicate materials

The Planning Commission may request that either the applicant address aforementioned items or make a recommendation for City Council consideration.

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

LEGAL DESCRIPTION (AS PROVIDED)

(PER FIRST CENTENNIAL TITLE AGENCY, INC. ALTA COMMITMENT FOR TITLE INSURANCE; DATED NOVEMBER 30, 2020; FILE NO. cen134443-STG)

Lots 13, 14, 15 and the East 124 feet of Lot 16, STEPHENSON LAND CO'S ACRES SUBDIVISION, according to the Plat thereof as recorded in Liber 48 of Plats, Page(s) 53, Oakland County Records.

TAX ID: 88-20-15-251-017 (PER OAKLAND COUNTY GIS INFO)

T2N, R11E, SEC 15 STEPHENSON LAND CO'S ACRES SUB LOTS 13, 14 & 15

TAX ID: 88-20-15-251-026

(PER OAKLAND COUNTY GIS INFO) T2N, R11E, SEC 15 STEPHENSON LAND CO'S ACRES SUB E 124 FT OF LOT 16





BEARINGS ARE BASED ON PROJECT COORDINATE SYSTEM: MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GROUND (LAT: 42°35'11.47"N, LON: 83°08'12.86'W, ELEV: 676', SCALE FACTOR: 1.00011189).

DESIGN ENGINEER/SURVEYOR

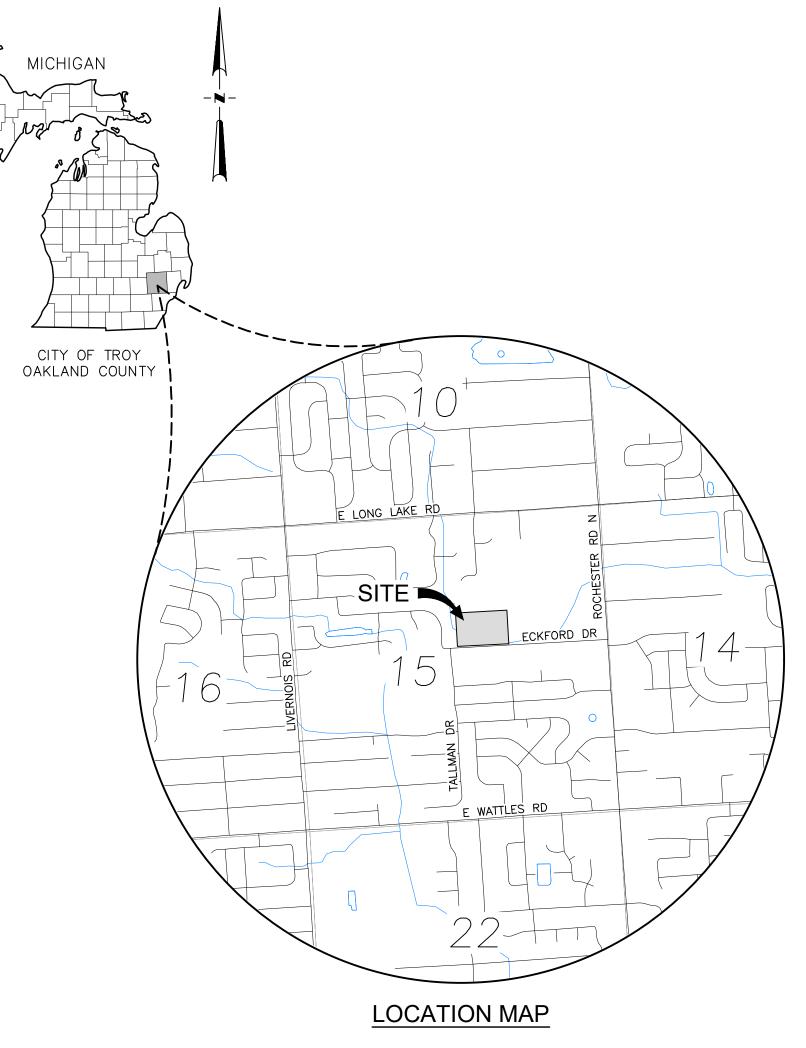


MONUMENT ENGINEERING GROUP ASSOCIATES, INC

INNOVATIVE GEOSPATIAL & ENGINEERING SOLUTIONS

298 VETERANS DRIVE, FOWLERVILLE, MI 48836 ALLAN W PRUSS, PE, PS PHONE: 517-223-3512

PRELIMINARY SITE PLAN DRAWINGS FOR ECKFORD WOODS SITE CONDOMINIUM



DEVELOPER

ICON DEVELOPMENT, LLC

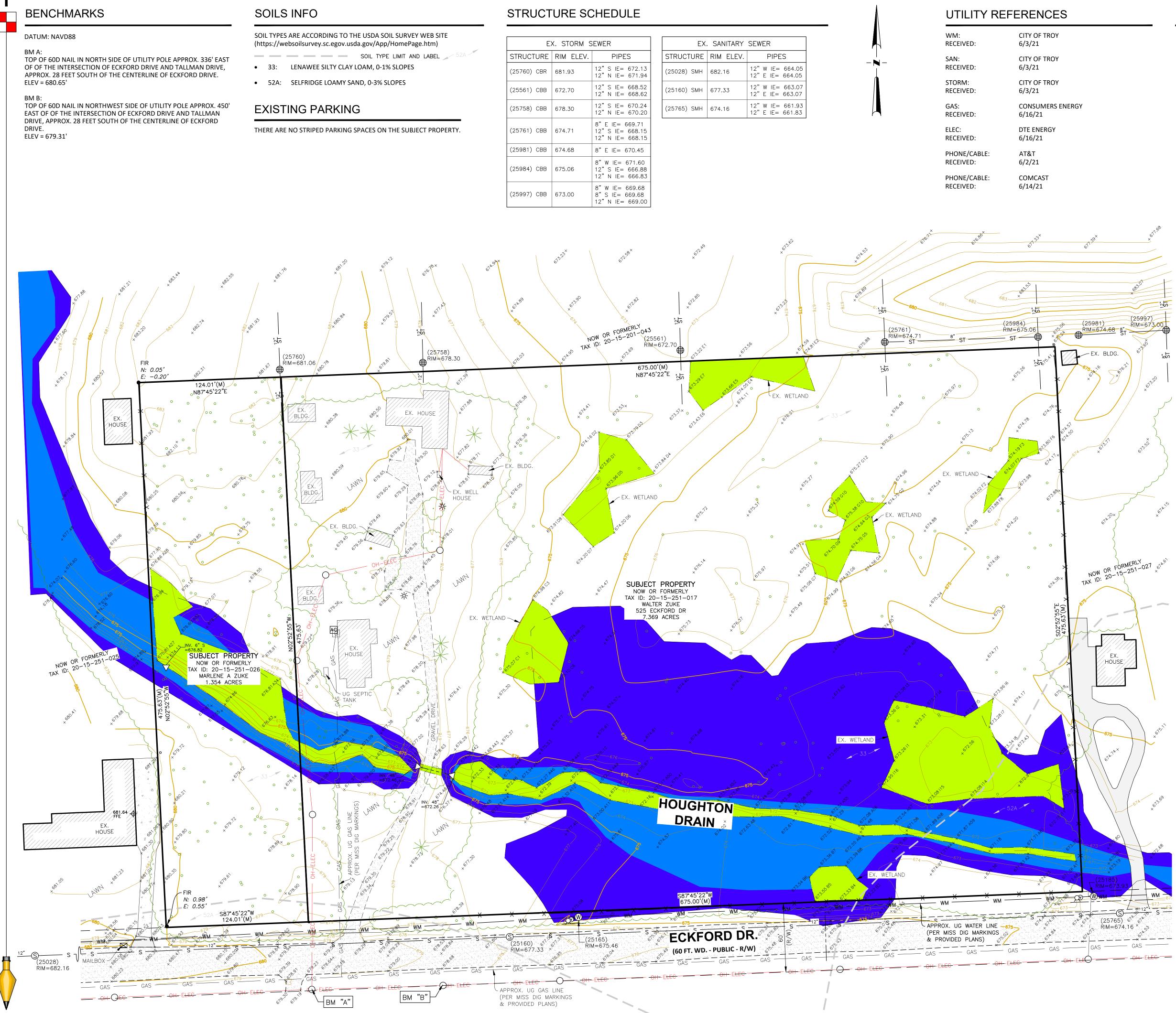
35520 FORTON COURT CLINTON TOWNSHIP, MI 48035

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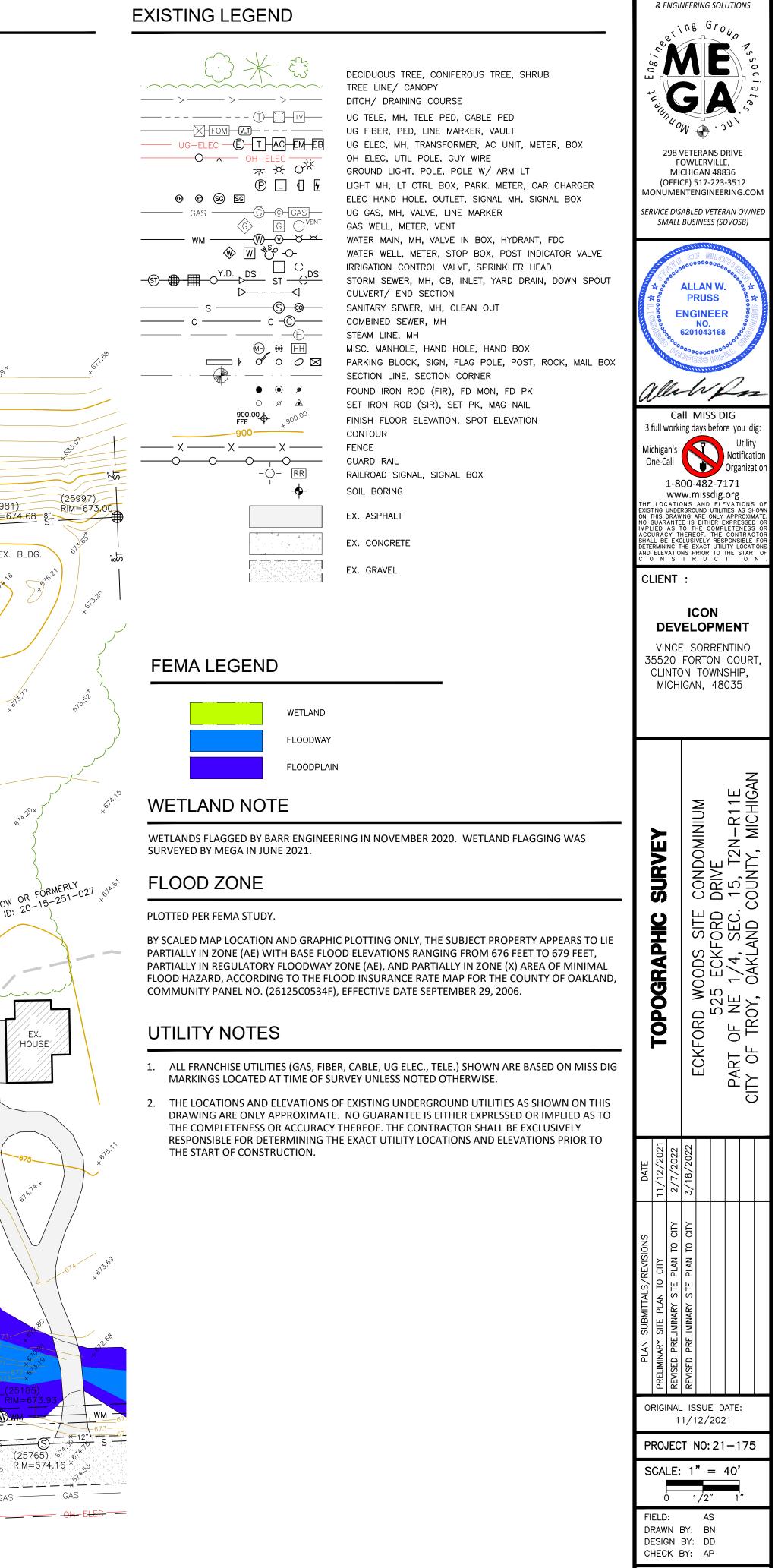
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SHEET	v=3.1		•		•				
SHEET	CD-1.0	DEMOLITION PLAN SITE PLAN	•	•	•				
SHEET	C-1.0	DIMENSION AND PAVING PLAN	•	•	•				
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CITY OF TROY, OAKLAND COUNTY STANDARD DETAILS

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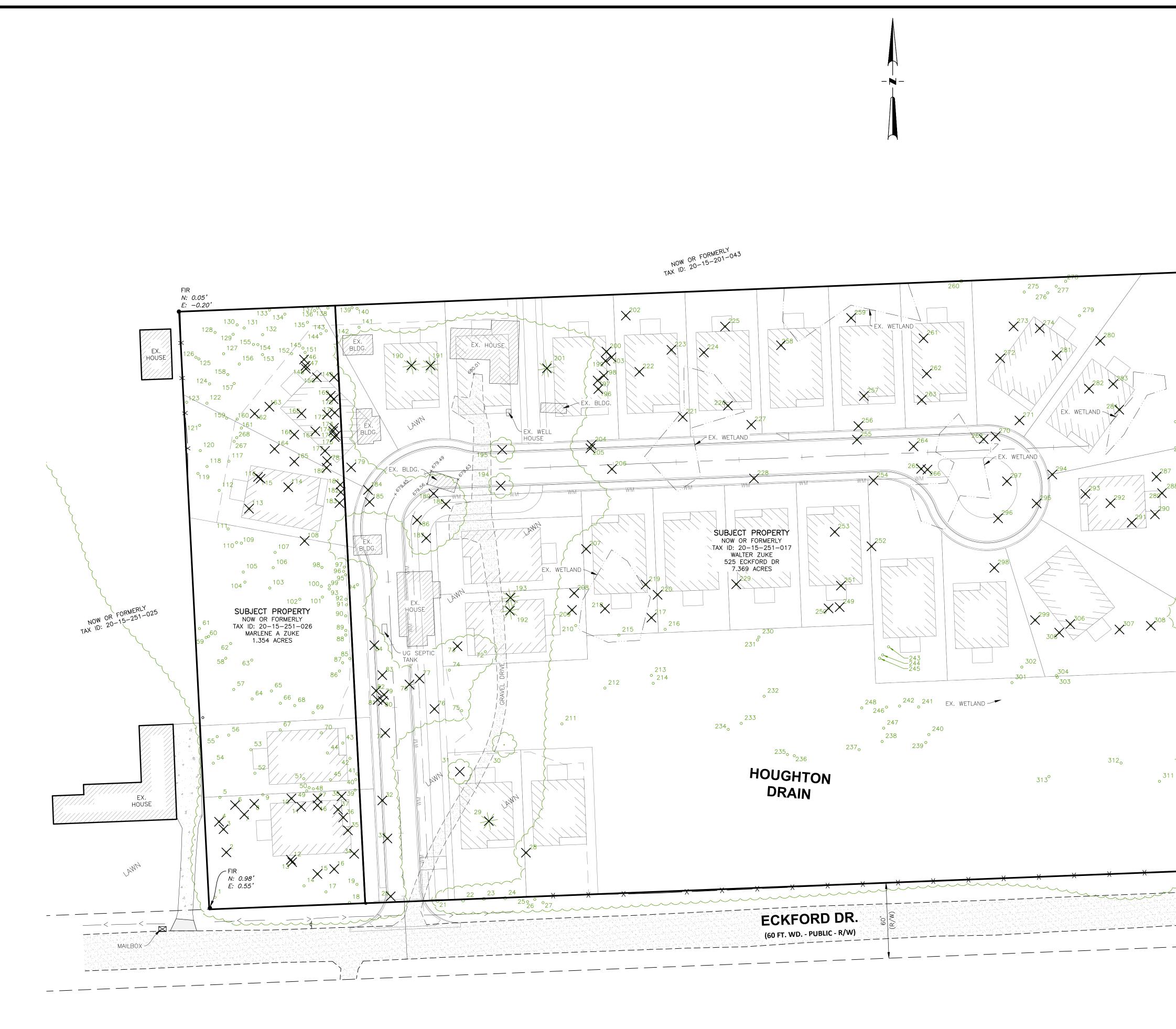


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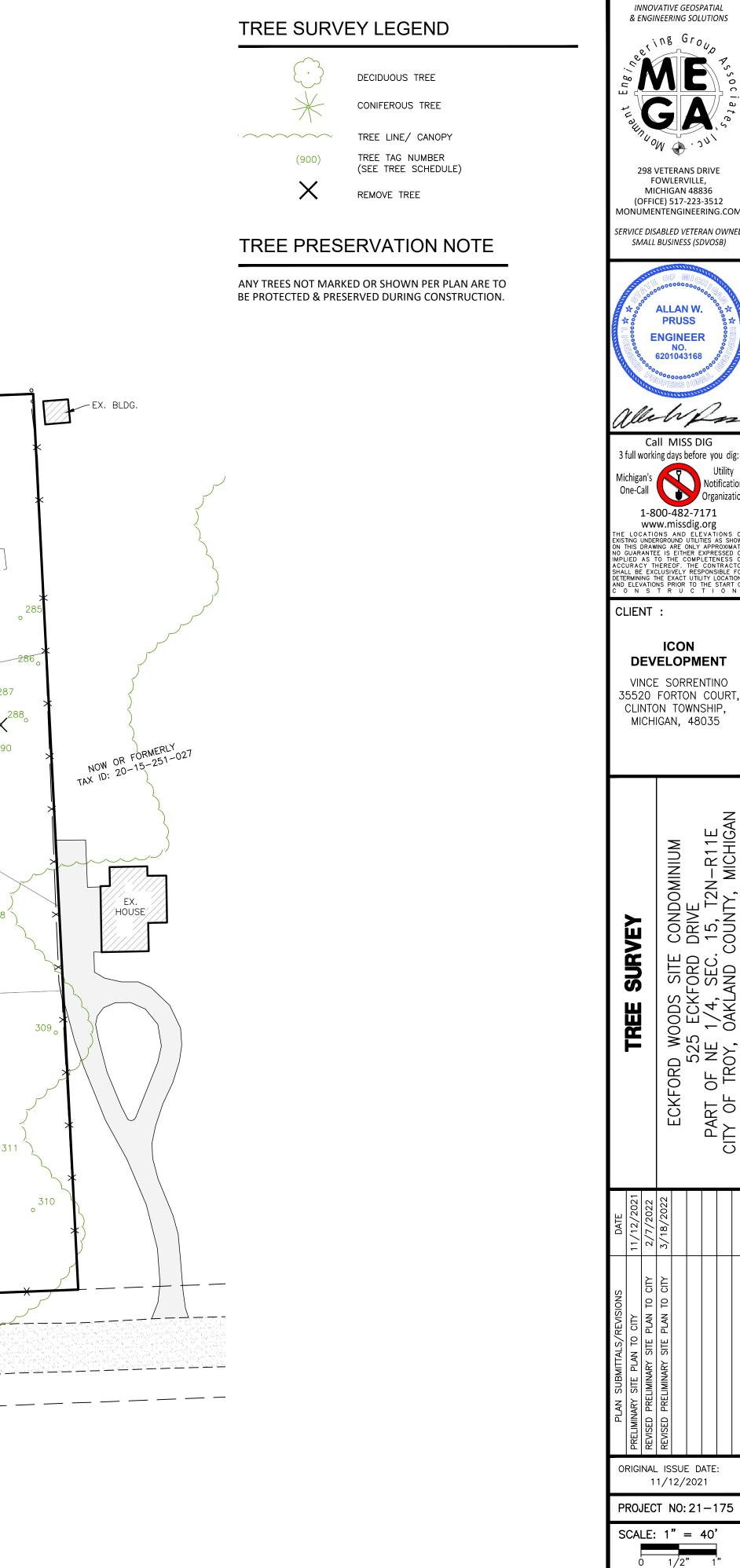
EX.

V-1.0

INNOVATIVE GEOSPATIAL



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OT FOR CONSTRUCTION

FIELD: AS DRAWN BY: BN DESIGN BY: DD CHECK BY: AP

V-3.0

TREE INVENTORY



Monument Engineering Group Associates, Inc. 298 Veterans Drive, Fowlerville, MI (517) 223-3512

www.monumentengineering.com

Tree Survey Inventory

Project: 21-175 Eckford Oaks Subdivision

ag No.	Common Name	Botanical Name	Condition	D.B.H.	Landmark	Status	Notes	
1	Crabapple	Malus	Good	6	No	Preserve		
2	P. Hickory	Carya	Good	14	No	Remove		
3	S. B. Hickory	Carya	Good	12	No	Remove		
4	P. Hickory	Carya	Good	11	No	Remove		
5	P. Hickory	Carya	Good	15	No	Preserve		
6	P. Hickory	Carya	Good	9	No	Remove		
7	P. Hickory	Carya	Good	8	No	Remove		
8	P. Hickory	Carya	Good	15	No	Remove		
9	P. Hickory	Carya	Good	7	No	Preserve		
10	P. Hickory	Carya	Good	12	No	Remove		
11	S. B. Hickory	Carya	Good	6	No	Remove		
12	S. B. Hickory	Carya	Good	11	No	Remove		
13	S. B. Hickory	Carya	Good	11	No	Remove		
14	P. Hickory	Carya	Good	23	Yes	Preserve		
15	B. Cherry	Prunus serotina	Good	10	No	Remove		
16	R. Oak	Quercus	Good	13	No	Remove		
17	W. Oak	Quercus	Good	10	No	Preserve		
18	W. Oak	Quercus	Good	22	Yes	Preserve	T!	
19	W. Oak	Quercus	Good	15	No	Preserve	Twin	
20 21	P. Hickory	Carya	Good	18	Yes	Remove		
	B. Spruce	Picea	Fair	17	No	Preserve		
22 23	B. Spruce R. Pine	Picea Pinus	Good Good	10 16	No No	Preserve		
23	N. Spruce	Pinus Picea	Good	16 7	NO	Preserve Preserve		
24	R. Oak	Quercus	Good	18	Yes	Preserve	Twin	
25	P. Hickory	Carya	Good	 9	No	Preserve	IVVIII	
20	P. Hickory	Carya	Good	14	No	Preserve		
28	R. Pine	Pinus	Good	6	No	Remove		
20	B. Spruce	Picea	Good	9	No	Remove		
30	B. Walnut	Juglans nigra	Good	27	Yes	Preserve		
31	R. Maple	Acer rubrum	Good	7	No	Remove		
32	B. Spruce	Picea	Good	8	No	Remove		
33	P. Hickory	Carya	Good	18	No	Remove		
34	S. B. Hickory	Carya	Good	12	No	Remove		
35	W. Oak	Quercus	Good	32	Yes	Remove		
36	W. Oak	Quercus	Good	8	No	Remove		
37	E. Hornhopbeam	Ostrya virginiana	Good	6	No	Remove		
38	W. Oak	Quercus	Good	31	Yes	Remove		
39	E. Hornhopbeam	Ostrya virginiana	Good	11	Yes	Preserve		
40	P. Hickory	Carya	Good	7	No	Preserve		
41	W. Oak	Quercus	Good	9	No	Preserve		
42	W. Oak	Quercus	Good	15/11	Yes	Preserve		
43	W. Oak	Quercus	Good	17	Yes	Preserve		
44	W. Oak	Quercus	Good	11	No	Preserve		
45	P. Hickory	Carya	Good	8	No	Preserve		
46	R. Maple	Acer rubrum	Good	6	No	Remove		
47	W. Oak	Quercus	Good	14	No	Remove		
48	P. Hickory	Carya	Good	6	No	Preserve		
49	P. Hickory	Carya	Fair	6	No	Preserve		
50	P. Hickory	Carya	Good	8	No	Preserve		
51	P. Hickory	Carya	Good	6	No	Preserve		
52	P. Hickory	Carya	Good	12	No	Preserve		
53	P. Hickory	Carya	Good	12	No	Preserve		
54	R. Pine	Pinus	Good	6	No	Preserve		
55 56	Basswood	Tilia	Good	19 8	Yes	Preserve		
	P. Hickory	Carya	Good		No	Preserve		
57 58	W. Oak P. Hickory	Quercus	Good Good	27 14	Yes No	Preserve		
58	P. Hickory Mulberry	Carya Morus	Good	14 8	No	Preserve Preserve		
59 60	Mulberry	Morus	Good	<u>8</u> 7	No	Preserve		
61	Mulberry	Morus	Good	10	No	Preserve		
62	Mulberry	Morus	Good	6	No	Preserve		
63	B. Cherry	Prunus serotina	Good	10	No	Preserve		
64	W. Oak	Quercus	Good	15	No	Preserve		
65	W. Oak	Quercus	Good	25	Yes	Preserve		
66	W. Oak	Quercus	Good	16	Yes	Preserve		
67	W. Oak	Quercus	Good	21	Yes	Preserve		
68	S. B. Hickory	Carya	Good	8	No	Preserve		
69	W. Oak	Quercus	Good	27	Yes	Preserve		
70	W. Oak	Quercus	Good	21	Yes	Preserve		
71	Tamarack	Larix	Good	8	No	Remove		
72	Tulip Poplar	riodendron tulipifer		14	No	Preserve		
73	B. Spruce	Picea	Fair	9	No	Remove		
74	B. Spruce	Picea	Good	12	No	Preserve		
75	R. Pine	Pinus	Good	6	No	Preserve		
76	Elm	Ulmus	Good	6	No	Remove		
77	B. Spruce	Picea	Good	12	No	Remove		
78	B. Spruce	Picea	Good	10	No	Remove		
79	R. Pine	Pinus	Fair	8	No	Remove		
80	R. Pine	Pinus	Good	7	No	Remove		
81	R. Pine	Pinus	Good	8	No	Remove		
82	R. Pine	Pinus	Good	6	No	Remove		
83	B. Spruce	Picea	Good	8	No	Remove		
84	B. Spruce	Picea	Good	11	No	Remove		
85	E. Hemlock	Tsuga	Good	6	No	Preserve		
86	W. Oak	Quercus	Good	15	No	Preserve		
87	Basswood	Tilia	Good	15	No	Preserve		
88	E. Hemlock	Tsuga	Good	7	No	Preserve		
89	E. Hemlock	Tsuga	Good	12	Yes	Preserve		

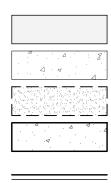
91	E. Hemlock	Tsuga	Good	8 1	No	Preserve		191	Spruce	Picea	Good	14	No	Remove		291	Cottonwood	Populus deltoides	Good	15	No	Remove
<u>92</u> 93	E. Hemlock E. Hemlock	Tsuga Tsuga	Good Good			Preserve Preserve		192 193	R. Pine R. Pine	Pinus Pinus	Good Good	16	No No	Remove Remove		292 293	Cottonwood Beech	Populus deltoides Fagus grandifolia	Good Fair	14 19	No Yes	Remove Remove
94	P. Hickory	Carya	Good		_	Preserve		194	Pear	Pyrus	Good	9	No	Remove		293	P. Hickory	Carya	Good	14	No	Remove
95	E. Hemlock	Tsuga	Good			Preserve		195	W. Birch	Betula	Good	8	No	Remove	Twin	295	W. Oak	Quercus	Fair	23	Yes	Remove
96 97	E. Hemlock E. Hemlock	Tsuga Tsuga	Good Good			Preserve Preserve		196 197	W. Pine W. Pine	Pinus Pinus	Good Good	13 10	No No	Remove Remove		296 297	W. Oak W. Oak	Quercus Quercus	Fair Good	34 21	Yes Yes	Remove Remove
98	P. Hickory	Carya	Good			Preserve		198	W. Pine	Pinus	Good	16	No	Remove		298	W. Oak	Quercus	Good	16	Yes	Remove
99	P. Hickory	Carya	Good			Preserve		199 200	W. Pine W. Pine	Pinus	Good	14	No	Remove		299	B. Cherry	Prunus serotina	Good	6	No	Remove
100	E. Hornhopbeam Beech	Ostrya virginiana Fagus grandifolia	Good Good			Preserve Preserve		200	Spruce	Pinus Picea	Good Good	15 8	No No	Remove Remove		301 302	Hawthorn Hawthorn	Crataegus Crataegus	Good Good	<u>9</u> 8	No No	Preserve Preserve
102	Beech	Fagus grandifolia	Good			Preserve		202	S.B. Hickory	Carya	Good	19	Yes	Remove		303	Elm	Ulmus	Good	8	No	Preserve
103 104	P. Hickory P. Hickory	Carya Carya	Good Good			Preserve Preserve		203 204	P. Hickory P. Hickory	Carya Carya	Good Good	21 20	Yes Yes	Remove Remove		304	P. Hickory	Carya	Good	7	No	Preserve
104	R. Oak	Quercus	Good			Preserve		205	W. Oak	Quercus	Good	30	Yes	Remove		305 306	W. Oak E. Hornhopbeam	Quercus Ostrya virginiana	Good Good	27 9	Yes Yes	Remove Remove
106	B. Cherry	Prunus serotina	Good			Preserve		206	W. Oak	Quercus	Good	26	Yes	Remove		307	Cottonwood	Populus deltoides	Good	17	No	Remove
107 108	R. Oak B. Cherry	Quercus Prunus serotina	Good Good			Preserve Remove		207 208	Elm W. Oak	Ulmus Quercus	Good Good	8 26	No Yes	Remove Remove		308 309	Cottonwood R. Oak	Populus deltoides Quercus	Good Good	14 37	No Yes	Remove Preserve
109	P. Hickory	Carya	Good			Preserve		209	W. Oak	Quercus	Good	22	Yes	Remove		310	Cottonwood	Populus deltoides	Good	26	Yes	Preserve
110 111	R. Maple B. Cherry	Acer rubrum Prunus serotina	Good Good			Preserve Preserve		210 211	Basswood Cottonwood	Tilia Populus deltoides	Good Good	20 21	Yes No	Preserve Remove		311	W. Oak	Quercus	Good	24	Yes	Preserve
111	Beech	Fagus grandifolia	Good			Preserve		211	W. Oak	Quercus	Good	64	Yes	Preserve		312 313	Hawthorn S. B. Hickory	Crataegus Carya	Good Good	7 14	No No	Preserve Preserve
113	P. Hickory	Carya	Good		Yes	Remove		213	W. Oak	Quercus	Good	41	Yes	Preserve			· · · · · · · · · · · · · · · · · · ·	، ــــــــــــــــــــــــــــــــــــ				
114 115	P. Hickory Beech	Carya Fagus grandifolia	Good Good		Yes No	Remove Remove		214 215	B. Cherry W. Oak	Prunus serotina Quercus	Fair Good	8 49	No Yes	Preserve		TRE	E PRESERV	ATION/REM	IOVAL	SUM	MARY	,
116	Beech	Fagus grandifolia	Good		No	Remove		216	B. Walnut	Juglans nigra	Fair	9	No	Preserve								-
117 118	Beech B. Cherry	Fagus grandifolia Prunus serotina	Good Good			Preserve Preserve		217 218	Hawthorn W. Oak	Crataegus Quercus	Good Good	7 25	No Yes	Remove Remove		Landmar	k Tree DBH Removal: 1,35	6 Inches				
118	B. Cherry B. Cherry	Prunus serotina Prunus serotina	Good			Preserve Preserve		218	Elm	Ulmus	Good	17	No	Remove		Woo	dland Trae	7 Inches				
120	Beech	Fagus grandifolia	Good	······		Preserve		220	Hawthorn	Crataegus	Fair	6	No	Remove			H Removal:					
121 122	R. Maple Beech	Acer rubrum Fagus grandifolia	Good Good	1		Preserve Preserve		221 222	Silver Maple P. Hickory	Acer saccharinum Carya	Good Good	15 24	No Yes	Remove Remove			k Tree DBH Preserved: 1,20	3 Inches				
123	S. Maple	Acer saccharum	Good	7 [No	Preserve		223	W. Oak	Quercus	Good	23	Yes	Remove		Woo	dland Tree 97	9 Inches				
124 125	Beech Beech	Fagus grandifolia Fagus grandifolia	Good Good			Preserve Preserve		224 225	W. Oak Silver Maple	Quercus Acer saccharinum	Good Good	25 43	Yes Yes	Remove Remove		DBH	Preserved: 97					
125	Beech	Fagus grandifolia	Good			Preserve Preserve		225	Hawthorn	Crataegus	Good	-+J 7	No	Remove								
127	R. Maple	Acer rubrum	Good			Preserve		227	Hawthorn	Crataegus	Good	11	No	Remove								
128 129	B. Cherry P. Hickory	Prunus serotina Carya	Good Good			Preserve Preserve		228 229	P. Hickory W. Oak	Carya Quercus	Good Good	24 37	Yes Yes	Remove Remove								
130	Elm	Ulmus	Good			Preserve		230	B. Cherry	Prunus serotina	Poor	6	No	Preserve								
131 132	R. Maple P. Hickory	Acer rubrum Carya	Good Good			Preserve Preserve		231 232	Hawthorn Hawthorn	Crataegus Crataegus	Good Good	7 6	No No	Preserve Preserve								
132	Beech	Fagus grandifolia	Good			Preserve		232	B. Cherry	Prunus serotina	Poor	7	No	Preserve								
134 135	Beech B. Cherry	Fagus grandifolia Prunus serotina	Good Good			Preserve Preserve		234 235	B. Cherry Cottonwood	Prunus serotina Populus deltoides	Fair Good	7	No Yes	Preserve Preserve								
135	B. Cherry	Prunus serotina	Good			Preserve		235	B. Cherry	Prunus serotina	Fair	9	No	Preserve								
137	R. Maple	Acer rubrum	Good			Preserve		237	P. Hickory	Carya	Good	28	Yes	Preserve								
138 139	P. Hickory P. Hickory	Carya Carya	Good Good			Preserve Preserve		238 239	Hawthorn Hawthorn	Crataegus Crataegus	Good Good	6 10	No No	Preserve Preserve								
140	P. Hickory	Carya	Good	1		Preserve		240	Hawthorn	Crataegus	Good	6	No	Preserve								
141 142	P. Hickory P. Hickory	Carya Carya	Good Good			Preserve Preserve		241 242	B. Walnut Hawthorn	Juglans nigra Crataegus	Good Good	14 6	No No	Preserve Preserve								
142	B. Cherry	Prunus serotina	Good			Preserve		242	Hawthorn	Crataegus	Good	7	No	Preserve								
144	B. Cherry	Prunus serotina	Good			Preserve		244	Cottonwood	Populus deltoides	Good	28	Yes	Preserve								
145 146	E. Hemlock E. Hemlock	Tsuga Tsuga	Good Good			Preserve Remove		245 246	Cottonwood Hawthorn	Populus deltoides Crataegus	Good Good	28 6	Yes No	Preserve Preserve								
147	E. Hemlock	Tsuga	Good	8 1		Remove		247	Elm	Ulmus	Good	6	No	Preserve								
148 149	E. Hemlock B. Cherry	Tsuga Prunus serotina	Good Good			Remove Remove	Twin	248 249	B. Walnut E. Hornhopbeam	Juglans nigra Ostrya virginiana	Good Good	16 9	No No	Preserve Remove								
150	S. B. Hickory	Carya	Good			Remove		250	P. Hickory	Carya	Good	20	Yes	Remove								
151	R. Maple	Acer rubrum	Good		_	Preserve		251 252	W. Oak P. Hickory	Quercus	Good	40 25	Yes	Remove								
152 153	P. Hickory Beech	Carya Fagus grandifolia	Good Good			Preserve Preserve		253	S. B. Hickory	Carya Carya	Good Good	18	Yes No	Remove Remove								
154	P. Hickory	Carya	Good			Preserve		254	B. Cherry	Prunus serotina	Good	11	No	Remove								
155 156	R. Maple E. Hornhopbeam	Acer rubrum Ostrya virginiana	Good Good			Preserve Preserve		255 256	R. Oak E. Hornhopbeam	Quercus Ostrya virginiana	Good Good	35 6	Yes No	Remove Remove								
157	W. Oak	Quercus	Good	24 \	Yes	Preserve		257	R. Oak	Quercus	Good	29	Yes	Remove								
158 159	R. Maple B. Cherry	Acer rubrum Prunus serotina	Good Good			Preserve Preserve		258 259	W. Oak P. Hickory	Quercus Carya	Good Good	35 26	Yes Yes	Remove Remove								
160	P. Hickory	Carya	Good			Preserve		260	R. Oak	Quercus	Good	38	Yes	Preserve								
161	B. Cherry	Prunus serotina	Good			Preserve		261	P. Hickory	Carya	Good	25	Yes	Remove								
162 163	W. Oak P. Hickory	Quercus Carya	Good Good			Remove Remove		262 263	R. Oak S. B. Hickory	Quercus Carya	Poor Fair	27 16	Yes Yes	Remove Remove								
164	Beech	Fagus grandifolia	Good	17	No	Remove		264	W. Oak	Quercus	Good	25	Yes	Remove								
165 166	P. Hickory Beech	Carya Fagus grandifolia	Good Good		_	Remove Remove		265 266	W. Oak W. Oak	Quercus Quercus	Good Good	25 18	Yes Yes	Remove Remove								
167	Elm	Ulmus	Good			Remove		267	P. Hickory	Carya	Good	17	Yes	Preserve								
168	W. Oak	Quercus	Good			Remove		268	B. Cherry	Prunus serotina	Good	6	No	Preserve								
169 170	B. Cherry W. Oak	Prunus serotina Quercus	Good Good	······		Remove Remove		269 270	W. Oak W. Oak	Quercus Quercus	Good Good	31 16	Yes Yes	Remove Remove								
171	E. Hemlock	Tsuga	Good	9	No	Remove		271	W. Oak	Quercus	Good	26	Yes	Remove								
172 173	P. Hickory E. Hemlock	Carya Tsuga	Good Good			Remove Remove		272 273	S. B. Hickory R. Oak	Carya Quercus	Good Good	18 29	Yes Yes	Remove Remove								
174	E. Hemlock	Tsuga	Good	8 1	No	Remove		274	W. Oak	Quercus	Good	10	No	Remove								
175 176	R. Oak B. Cherry	Quercus Prunus serotina	Good Good			Remove Remove		275 276	P. Hickory Hawthorn	Carya Crataegus	Good Fair	21 8	Yes No	Preserve Preserve								
178	E. Hemlock	Tsuga	Good	1		Remove		278	W. Oak	Quercus	Good	19	Yes	Preserve								
178	E. Hemlock	Tsuga	Good			Remove		278	Basswood	Tilia	Good	12	No	Preserve								
179 180	P. Hickory R. Maple	Carya Acer rubrum	Good Good		_	Remove Remove		279 280	R. Oak S. B. Hickory	Quercus Carya	Good Good	29 17	Yes Yes	Preserve Remove								
181	E. Hemlock	Tsuga	Good	9 1	No	Remove		281	S. B. Hickory	Carya	Good	16	Yes	Remove								
182 183	E. Hemlock E. Hemlock	Tsuga Tsuga	Good Good			Remove Remove		282 283	Cottonwood Cottonwood	Populus deltoides Populus deltoides	Good Good	13 14	No No	Remove Remove								
183	W. Birch	Betula	Good			Remove		284	R. Maple	Acer rubrum	Good	7	No	Remove								
185	Spruce	Picea Picea	Good Good			Remove Remove		285 286	W. Oak W. Oak	Quercus	Good	16	Yes Ves	Preserve								
186 187	Spruce Mulberry	Morus	Good			Remove Remove	Multi	286	W. Oak W. Oak	Quercus Quercus	Good Good	40 24	Yes Yes	Preserve Remove								
188	R. Maple	Acer rubrum	Good			Remove		288	W. Oak	Quercus	Good	18	Yes	Remove								
189 190	R. Maple Spruce	Acer rubrum Picea	Good Good			Remove Remove		289 290	W. Oak Cottonwood	Quercus Populus deltoides	Good Good	20 13	Yes No	Remove Remove								
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EXIST ON 1 NO 0 IMPL ACCI SHAL DETE AND C 0	LOC TING I THIS I GUAR IED URAC L BE RMINI ELEN	WW ATIC DRAW ANTE AS T CY TH E EXC NG T (ATIO S	W.N NS RGRO ING	AND UND ARE EITH HE OF. VELY XACT RIOR	UTILI ONLY	171 .org EVAT IES / APPF EXPRE LETE CON PONS ITY L THE S T I	IONS AS SH ROXIM	OF HOWN MATE.			
CLIENT : ICON DEVELOPMENT VINCE SORRENTINO 35520 FORTON COURT, CLINTON TOWNSHIP, MICHIGAN, 48035											
	TREE INVENTORY			ECKFURD WOUDS SHE CUNDUMINIUM	525 ECKFORD DRIVE	PART OF NE 1/4. SEC. 15. T2N-R11E					
DATE	11/12/2021	2/7/2022	3/18/2022								
PLAN SUBMITTALS/REVISIONS	PRELIMINARY SITE PLAN TO CITY	REVISED PRELIMINARY SITE PLAN TO CITY	REVISED PRELIMINARY SITE PLAN TO CITY								
			1/1	2/	202						
	RO. CAI		T I 1			-1 40')	CTION		
0 1/2" 1" FIELD: AS DRAWN BY: BN DESIGN BY: DD CHECK BY: AP											
		V	/-		3.	1			NOT FOR CONSTRUCTION		



BACKS (FT)	DEDICATED OPEN	SPACE	SITE AREAS					
SIDE	REAR	(EXCLUDES ROW & FRONT YARDS) (SF)	(%)	GROSS (SF)	ROW (SF)	NET (SF)	SUBMERGED (CREEK) (SF)		
7.5	25	76,002	20						
7.5	25	172,311		380,011	39,471	340,541	11,934		

PAVEMENT LEGEND



EX. CONCRETE

EX. ASPHALT

- EX. GRAVEL
- PR. CONCRETE

STANDARD CURB AND GUTTER

REQUIRED PARKING

2 SPACES :1 DWELLING 26 DWELLINGS x 2 SPACES = 52 SPACES REQUIRED MAX = 133% OF MIN = 33

EACH DWELLING WILL HAVE TWO (2) PARKING SPACES INSIDE THE ATTACHED GARAGE WITH TWO (2) PARKING SPACES IN EACH DRIVEWAY.

TOTAL PROVIDED PARKING: 104 SPACES

STORM WATER MANAGEMENT

STORM WATER RUNOFF GENERATED BY THIS DEVELOPMENT WILL BE DIRECTED TO THE FUTURE REGIONAL STORM WATER MANAGEMENT BASIN PLANNED BY BY CITY OF TROY. THE BASIN WILL BE ON THE NORTH ADJACENT PROPERTY.

BIKE PATH

THE DEVELOPMENT INTENDS TO PARTICIPATE IN THE REGIONAL BIKE PATH PLANNED BY CITY OF TROY. THE DEVELOPMENT WILL DEDICATE THE EASEMENT NECESSARY FOR THE BIKE PATH.

ECKFORD ROAD PAVING

THE DEVELOPMENT HAS AGREED WITH MONDRIAN TO PAVE ECKFORD ROAD ALONG THE COMMON FRONTAGE.

REGULATORY FLEXIBILITY WAIVERS

- 1. WAIVER FOR SECTION 10.04.E.2.a REQUIRING PERIMETER SETBACKS TO BE EQUAL TO REAR YARD SETBACKS IN ADJACENT ZONE. REQUESTING A 25' REAR YARD SETBACK FOR UNITS 13 AND 14 ALONG THE NORTH PROPERTY BOUNDARY.
- 2. WAVIER FOR SECTION 7.08.B REQUIRING DECKS TO BE AT LEAST 25' AWAY FROM THE REAR LOT LINE. SEE DECK WAIVER TABLE ON THIS SHEET.

DECK WAIVER TABLE

UNIT DISTANCE 1 0 2 0 3 10 4 0 5 5 6 10 7 5 8 5 9 5 10 5 11 5 12 5 13 0 14 0 15 12 16 0 17 12 18 5 19 5		
$\begin{array}{c cccccc} 2 & 0 \\ \hline 3 & 10 \\ \hline 4 & 0 \\ \hline 5 & 5 \\ \hline 6 & 10 \\ \hline 7 & 5 \\ \hline 8 & 5 \\ \hline 9 & 5 \\ \hline 10 & 5 \\ \hline 10 & 5 \\ \hline 11 & 5 \\ \hline 12 & 5 \\ \hline 13 & 0 \\ \hline 14 & 0 \\ \hline 15 & 12 \\ \hline 16 & 0 \\ \hline 17 & 12 \\ \hline 18 & 5 \\ \hline 19 & 5 \\ \end{array}$	UNIT	DECK WAIVER DISTANCE
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1	0
$\begin{array}{c cccc} 6 & 10 \\ \hline 7 & 5 \\ \hline 8 & 5 \\ \hline 9 & 5 \\ \hline 10 & 5 \\ \hline 11 & 5 \\ \hline 12 & 5 \\ \hline 13 & 0 \\ \hline 14 & 0 \\ \hline 15 & 12 \\ \hline 16 & 0 \\ \hline 17 & 12 \\ \hline 18 & 5 \\ \hline 19 & 5 \\ \end{array}$	2	0
$\begin{array}{c cccc} 6 & 10 \\ \hline 7 & 5 \\ \hline 8 & 5 \\ \hline 9 & 5 \\ \hline 10 & 5 \\ \hline 11 & 5 \\ \hline 12 & 5 \\ \hline 13 & 0 \\ \hline 14 & 0 \\ \hline 15 & 12 \\ \hline 16 & 0 \\ \hline 17 & 12 \\ \hline 18 & 5 \\ \hline 19 & 5 \\ \end{array}$	3	10
$\begin{array}{c cccc} 6 & 10 \\ \hline 7 & 5 \\ \hline 8 & 5 \\ \hline 9 & 5 \\ \hline 10 & 5 \\ \hline 11 & 5 \\ \hline 12 & 5 \\ \hline 13 & 0 \\ \hline 14 & 0 \\ \hline 15 & 12 \\ \hline 16 & 0 \\ \hline 17 & 12 \\ \hline 18 & 5 \\ \hline 19 & 5 \\ \end{array}$	4	0
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Call MISS DIG 3 full working days before you dig:	
Michigan's One-Call Organization	
1-800-482-7171 www.missdig.org 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 C O N S T R U C T I O N CLIENT :	
ICON DEVELOPMENT VINCE SORRENTINO 35520 FORTON COURT, CLINTON TOWNSHIP, MICHIGAN, 48035	
CLUSTER OPTION PLAN ECKFORD WOODS SITE CONDOMINIUM 525 ECKFORD DRIVE PART OF NE 1/4, SEC. 15, T2N-R11E CITY OF TROY, OAKLAND COUNTY, MICHIGAN	
DATE 11/12/2021 2/7/2022 3/18/2022	
Plan Submittals/revisions Preliminary site plan to city Revised Preliminary site plan to city Revised Preliminary site plan to city	
ORIGINAL ISSUE DATE: 11/12/2021	
PROJECT NO: $21 - 175$ SCALE: 1" = 40'	
0 1/2" 1"	
FIELD: AS DRAWN BY: BN DESIGN BY: DD CHECK BY: AP	
C-10	

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ZONING INFORMATION

THIS ZONING INFORMATION IS TAKEN FROM CITY OF TROY ZONING ORDINANCE DATED: NOVEMBER 29, 2018

SUBJECT PARCEL ZONING:	UNITS JECT PARCEL ZONING:			BUILDING	BUILDING SETBACKS (FT		
RESIDENTIAL	AREA (AC)	WIDTH AT BUILDING SITE (FT)	BASE NUMBER OF UNITS	DWELLING (MIN SF)	FRONT	SIDE	REAR
REQUIRED	10,500	85		1,200	30	10	40
PROVIDED	VARIES	VARIES	21	VARIES	30	10	40



PAVEMENT LEGEND

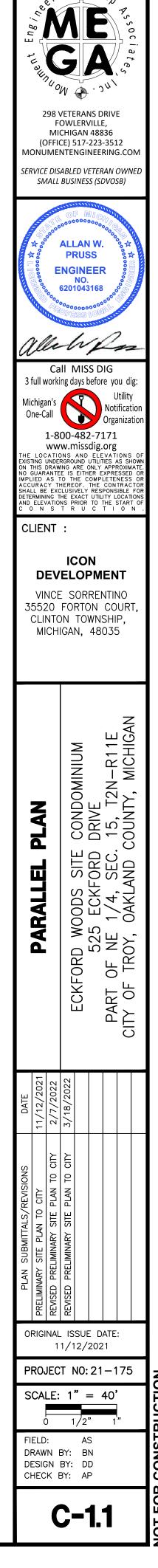
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EX. ASPHALT

EX. CONCRETE EX. GRAVEL

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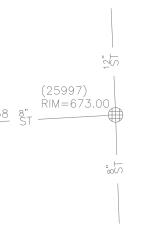
STANDARD CURB AND GUTTER

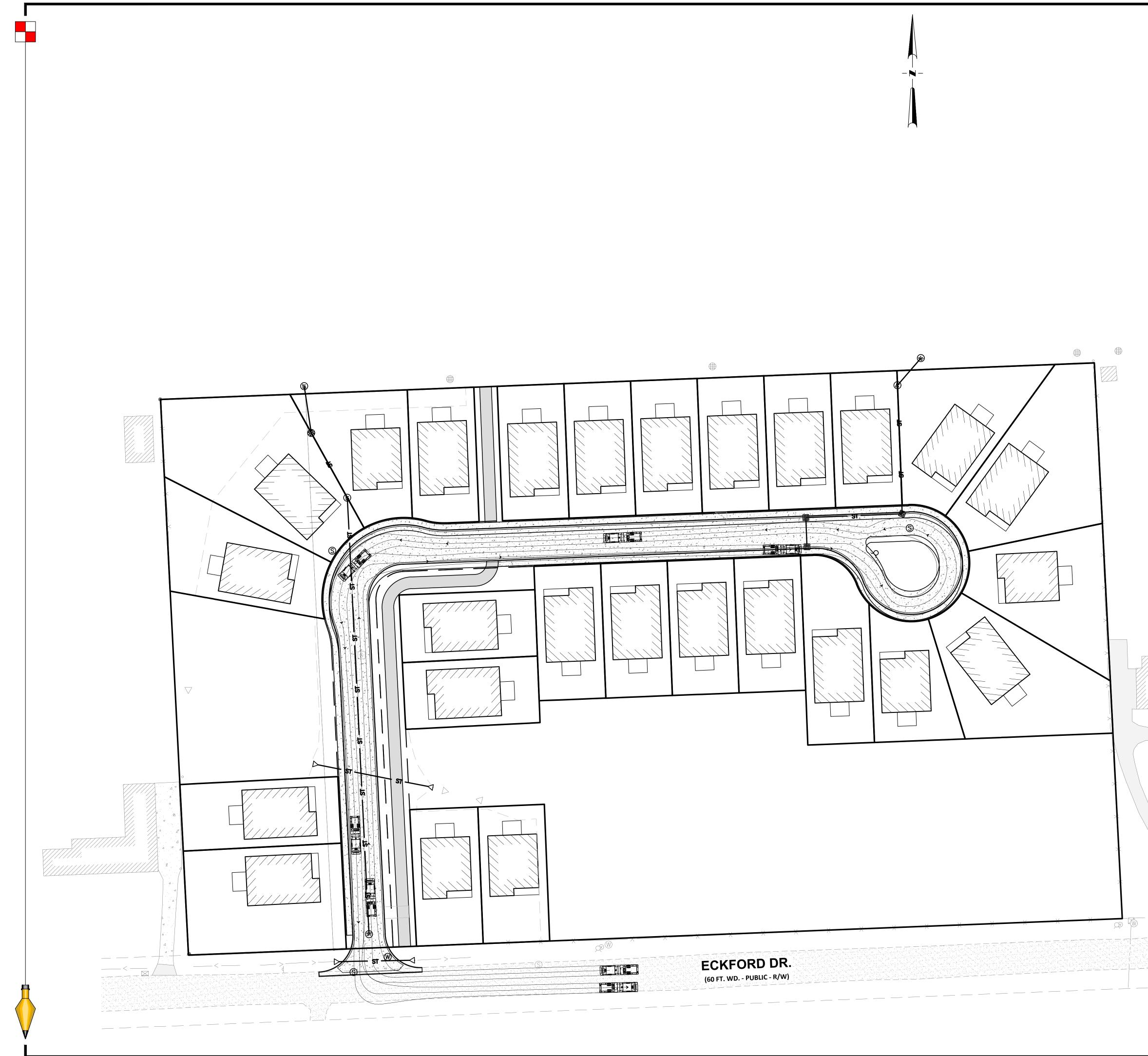


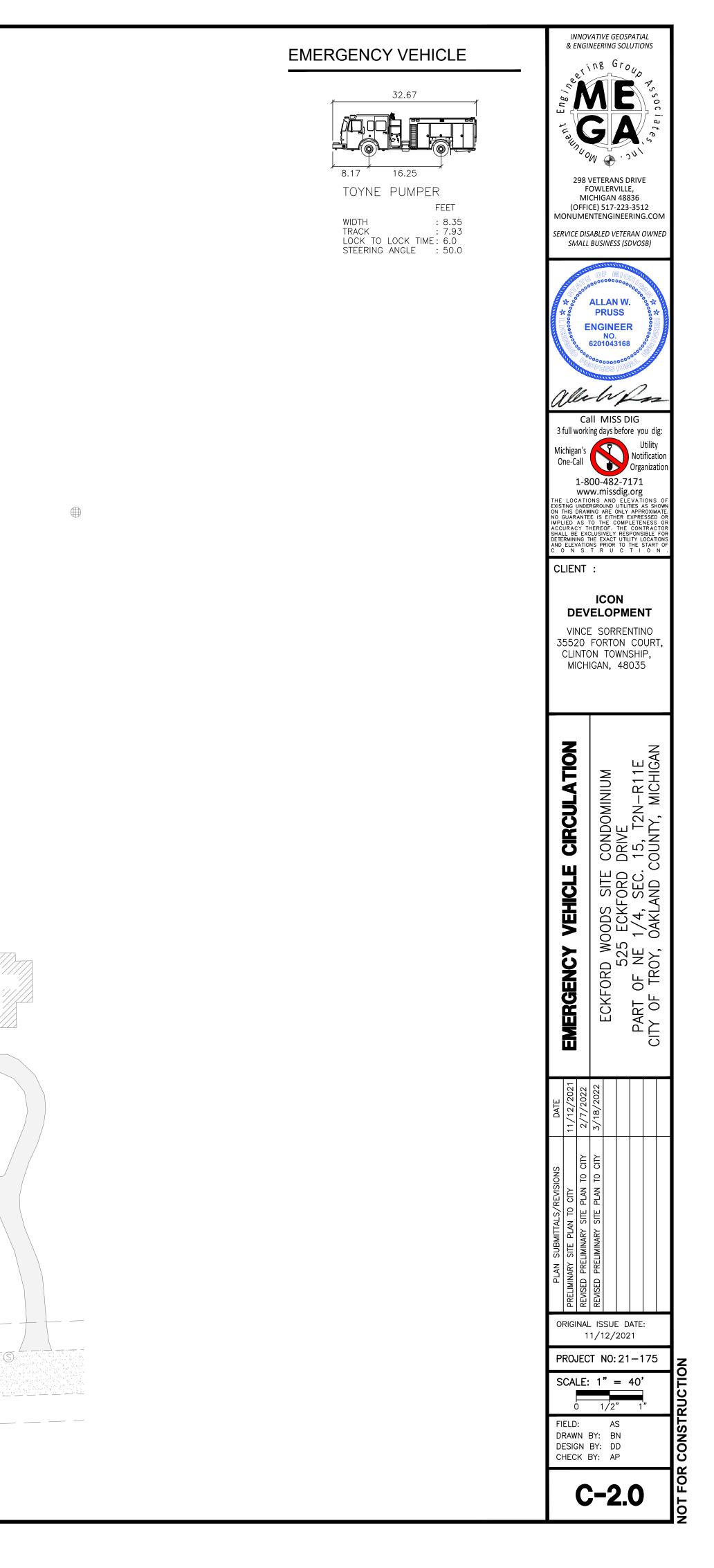
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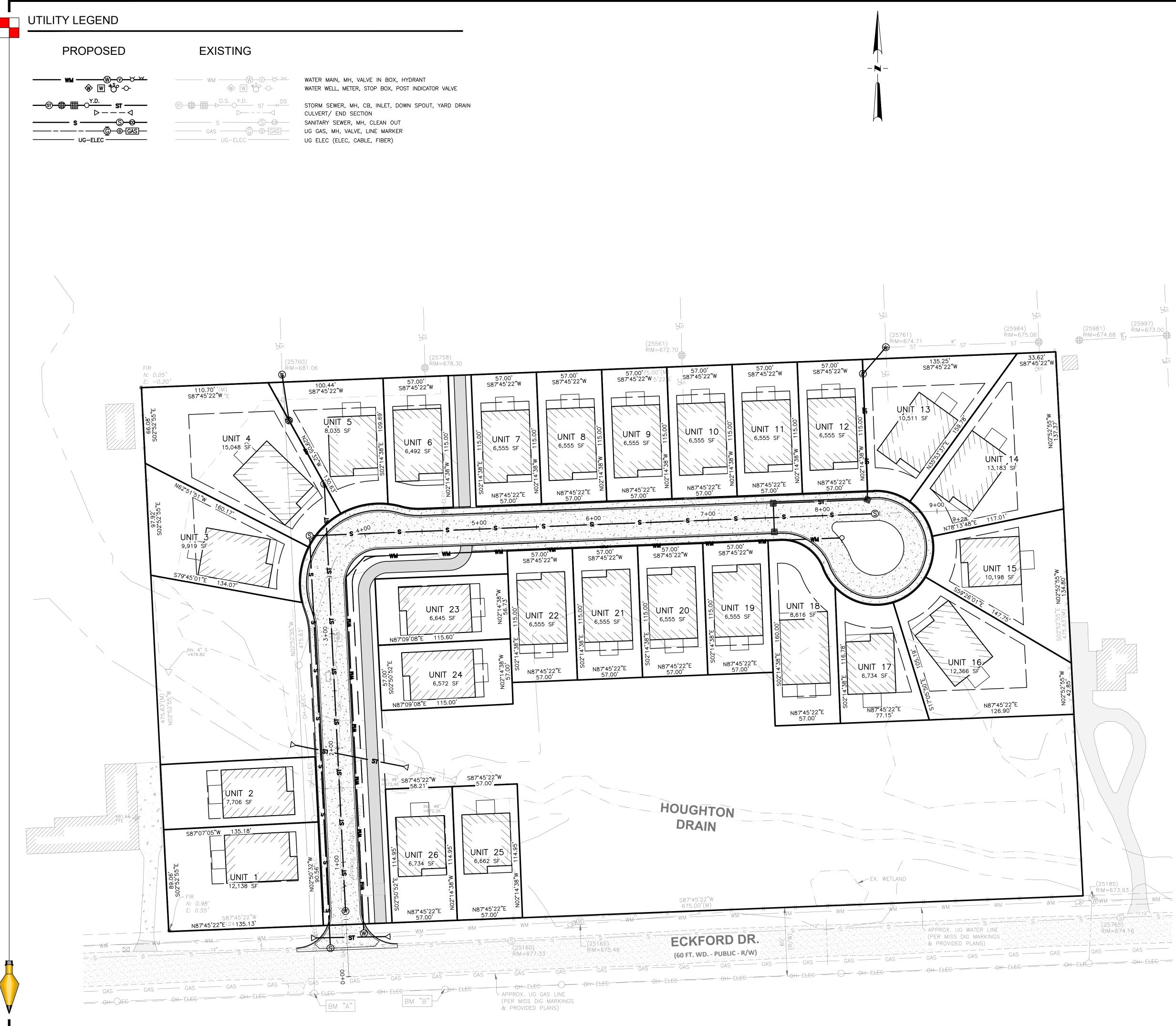




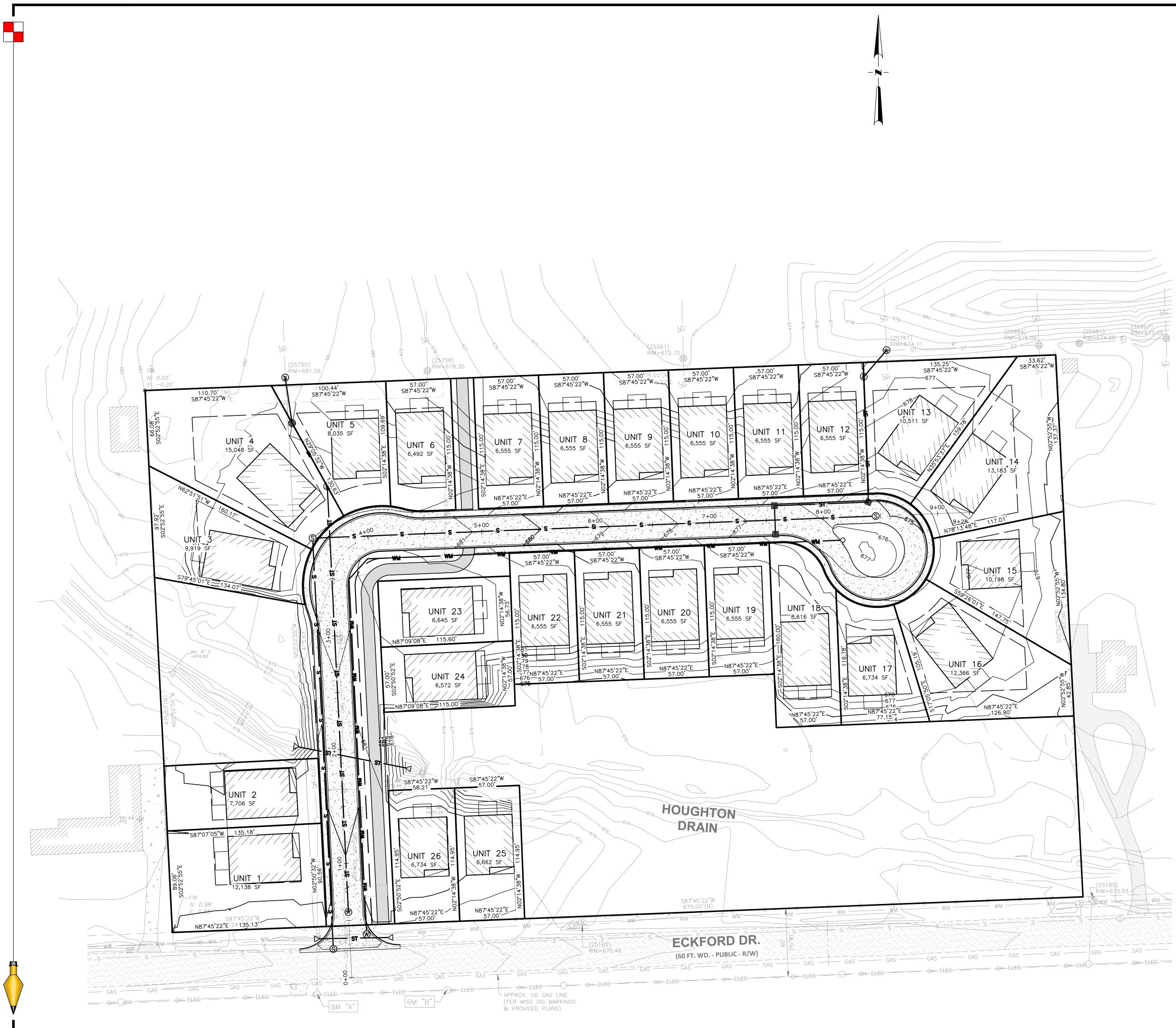




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GRADING LEGEND

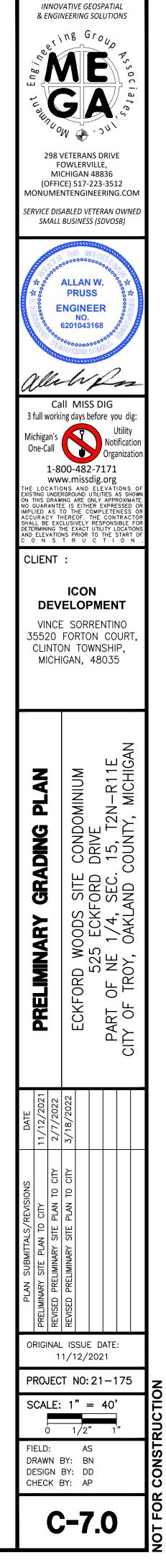
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×940.00_SW	PROPOSED SIDEWALK GRADE
×940.00 FG	PROPOSED FINISH GRADE
× 940.00_TC	PROPOSED TOP OF CURB GRADE
×940.00 GP	PROPOSED GUTTER PAN GRADE
×940.00_TW	PROPOSED TOP OF WALL GRADE
×940.00 BW	PROPOSED BOTTOM OF WALL GRADE
×940.0 MA	MATCH EXISTING GRADE
×940.0_FFE	PROPOSED FINISH FLOOR GRADE
× 940.00 RIM	PROPOSED RIM GRADE
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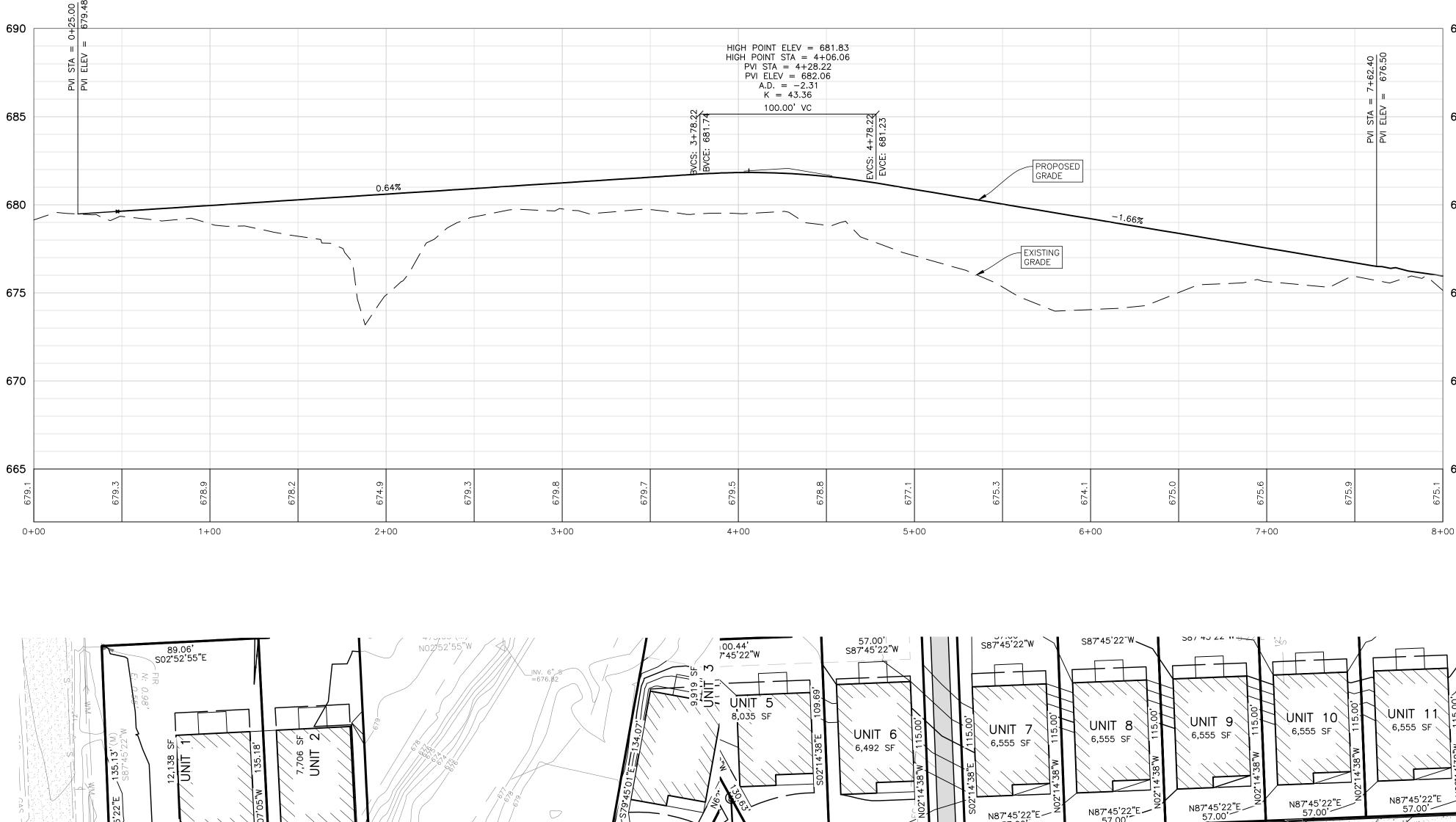
EROSION CONTROL STANDARDS

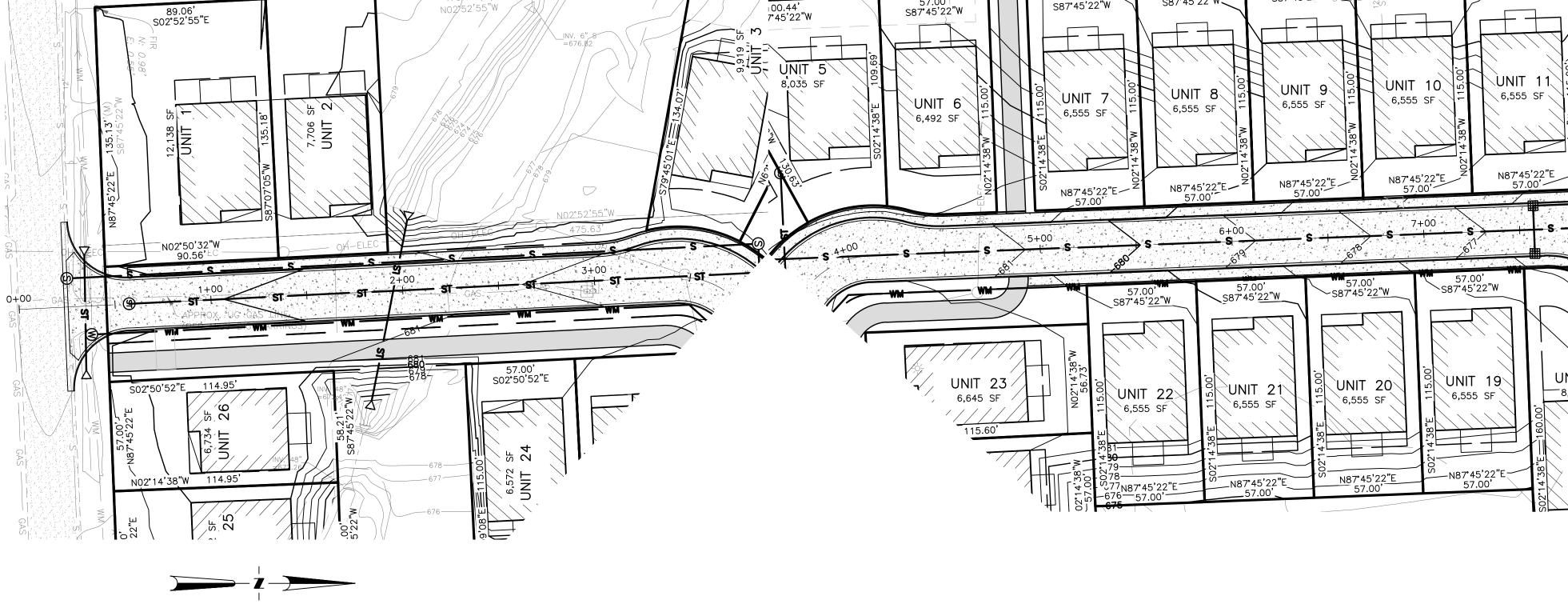
- 1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF OAKLAND COUNTY WATER RESOURCES OFFICE.
- 2. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES, AND ANY NECESSARY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
- 3. EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- 4. CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WHEN REQUIRED AND AS DIRECTED ON THESE PLANS. CONTRACTOR SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES AND OTHER CHANGES HAS BEEN ACCOMPLISHED.
- 5. STAGING OF THE WORK WILL BE DONE BY THE CONTRACTOR AS DIRECTED IN THESE PLACES AND AS REQUIRED TO INSURE PROGRESSIVE STABILIZATION OF DISTURBED AREAS.
- 6. SOIL EROSION CONTROL PRACTICES WILL BE ESTABLISHED IN EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE.
- 7. A CERTIFIED STORM WATER OPERATOR WILL BE NAMED ON THE MDEQ NOTICE OF COVERAGE FOR NPDES AS REQUIRED.
- 8. ALL DISTURBED AREAS ARE TO BE TOP SOILED AND SEEDED WITH THE FOLLOWING MIN RATIO: TOP-SOIL 3" IN DEPTH, GRASS SEED 210 LBS PER ACRE, FERTILIZER 150 LBS PER ACRE, STRAW MULCH 3" DEPTH 1.5 TO 2 TONS PER ACRE.

SOIL EROSION CONTROL MAINTENANCE SCHEDULE AND NOTES.

- 1. CONTRACTOR MUST OBTAIN A SOIL EROSION AND SEDIMENTATION CONTROL PERMIT FROM OAKLAND COUNTY WATER RESOURCES OFFICE PRIOR TO COMMENCING WORK.
- 2. EARTHWORK SHALL BE LIMITED TO THE PROPOSED SITE AS SHOWN ON THE PLAN.
- 3. CONTRACTOR SHALL INSPECT THE SOIL EROSION/SEDIMENTATION CONTROL DEVICES ONCE A WEEK AND/OR WITHIN 24 HOURS OF A RAINFALL EVENT WHICH RESULTS IN A STORM WATER DISCHARGE FROM THE SITE. ANY DAMAGE TO EROSION CONTROL MEASURES MUST BE REPAIRED IMMEDIATELY.
- 4. ALL MUD OR DEBRIS TRACKED ONTO EXISTING PUBLIC ROADS FROM THE SITE DUE TO CONSTRUCTION SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- 5. SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT-UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR RE-BACKFILL THE SILTATION FENCE SHOULD IT FAIL OR BE DAMAGED DURING CONSTRUCTION.
- 6. PERMANENT STABILIZATION MUST BE COMPLETED WITHIN 30 DAYS OF FINAL GRADING.
- 7. ACCESS ROADS MUST BE MAINTAINED AS NECESSARY, TO KEEP THEM EFFECTIVE, NEW LAYERS OF STONE MAY BE ADDED AS OLD LAYERS BECOME COMPACTED. STEPS SHOULD ALSO BE TAKEN TO REPAIR THE ACCESS ROADS IF RUTS OR PONDING WATER APPEARS.
- 8. INLET FILTERS SHOULD BE INSPECTED FOR BUILDUP OF SILT AND OTHER DEBRIS. THIS IS EVIDENT IF GEOTEXTILE/SOD STRUCTURE IS CAUSING FLOODING. MAINTENANCE WOULD CONSIST OF REMOVING OF SEDIMENTS WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTER IS BEYOND THIS LEVEL OF REPAIR, IT MAY BE NECESSARY TO REPLACE BOTH THE SOD AND GEOTEXTILE FILTER.
- 9. IF SOIL EROSION/SEDIMENT CONTROL MEASURES ARE INADEQUATE FOR THE SITE. THE PROPER EROSION CONTROL AUTHORITY MUST BE NOTIFIED.







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	Michigan's One-Call Notification Organization 1-800-482-7171 www.missdig.org THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXACLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND FLEVALIONS PRIOR TO THE START OF
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UNIT 17 UNIT 17 6,734 SF W	ORIGINAL ISSUE DATE: 11/12/2021
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general landscape notes:

1. LANDSCAPE CONTRACTOR SHALL VISIT THE SITE, INSPECT EXISITING CONDITIONS, REVIEW PROPOSED PLANTINGS AND RELATED WORK. CONTACT THE OWNER AND/OR LANDSCAPE ARCHITECT WITH ANY CONCERNS OR DISCREPANCY BETWEEN THE PLAN, PLANT MATERIAL LIST, AND/OR SITE CONDITIONS.

2. PRIOR TO BEGINNING OF CONSTRUCTION ON ANY WORK, CONTRACTORS SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES, GAS, ELECTRIC, TELEPHONE, CABLE TO BE LOCATED BY CONTACTING MISS DIG 1-800-482-7171 ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE ALL RELATED WORK ACTIVITIES WITH OTHER TRADES AND REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER PRIOR TO COMMENCING

3. NUMERICAL VALUE ON THE LANDSCAPE QUANTITIES SPECIFIED ON THE PLAN TAKE PRECEDENCE OVER GRAPHIC REPRESENTATION, VERIFY ANY CONCERN-DISCREPANCY WITH LANDSCAPE ARCHITECT.

4. ALL CONSTRUCTION AND PLANT MATERIAL LOCATION TO BE ADJUSTED ON SITE IF NECESSARY

5. ALL SUBSTITUTIONS OR DEVIATIONS FROM THE LANDSCAPE PLAN MUST BE APPROVED BY CITY OF TROY AND LANDSCAPE ARCHITECT

6. ALL LARGE TREES AND EVERGREENS TO BE STAKED, GUYED AND WRAPPED AS DETAILED, SHOWN ON PLAN.

7. PLANT BEDS TO BE DRESSED WITH MIN. 4" OF NATURAL COLOR FINELY DOUBLE SHREDDED HARDBARK MULCH.

8. DIG SHRUB PITS I' LARGER THAN SHRUB ROOT BALLS AND TREE PITS 2' LARGER THAN ROOT BALL, BACK FILL WITH ONE PART TOP SOIL AND ONE PART SOIL FROM EXCAVATED PLANTING HOLE.

3, REMOVE ALL TWINE, WIRE AND BURLAP FROM TREE AND SHRUB EARTH BALLS, AND FROM TREE TRUNKS. 4" THICK BARK MULCH FOR TREES IN 4' DIA. CIRCLE WITH 3" PULLED AWAY FROM TRUNK . 4" THICK BARK MULCH FOR SHRUBS AND 4" THICK BARK MULCH FOR PERENNIALS.

10. PLANT MATERIAL QUALITY & INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN ASSOCIATION OF NURSERYMEN LANDSCAPE STANDARDS.

11. ALL PLANTING AREAS TO BE PREPARED WITH APPROPRIATE SOIL MIXTURES AND FERTILIZER BEFORE PLANT INSTALLATION.

12. PLANT TREES AND SHRUBS GENERALLY NO CLOSER THAN THE FOLLOWING DISTANCES FROM SIDEWALKS, CURBS AND PARKING STALLS: ALLADE TREES

Q /s		
ь).	ORNAMENTAL AND EVERGREEN TREES	
	(CRAB, PINE, SPRUCE, ETC.)	IØ FT.
c).	SHRUBS THAT ARE LESS THAN I FOOT TALL	
	AND WIDE AT MATURITY	2 FT.

13. NO TREES OR EVERGREENS TO BE INSTALLED OVER ANY PROPOSED OR EXISTING UTILITY LINES AS SHOWN ON THE OVERALL LANDSCAPE PLAN. SEE ENGINEERING PLANS FOR LOCATION AND DETAILS.

14. WATERING OF ALL PLANTS AND TREES TO BE PROVIDED IMMEDIATELY AND MULCHING WITHIN 24 HOURS AFTER INSTALLATION.

15. ALL TREE PITS TO BE TESTED FOR PROPER DRAINAGE PRIOR TO TREE PLANTING. PROVIDE APPROPRIATE DRAINAGE SYSTEM AS REQUIRED IF THE TREE PIT DOES NOT DRAIN SUFFICIENTLY.

16. DISTURBED LAWN AREAS TO RECEIVED SEEDING

SEEDED LAWN AREAS SHALL CONSIST OF THE FOLLOWING TYPES AND PROPORTIONS:

> 5% PERENNIAL RYE GRASS 10% RED FESCUE 25% CHEWING FESCUE 60% KENTUCKY BLUE GRASS

SEED MIX SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE AND WEED CONTENT SHALL NOT EXCEED 1%. SEED. PROVIDE A MINIMUM 4" TOP SOIL ON ALL SEEDED LAWN AREA

17. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE PLANT MATERIALS AND IRRIGATION INSTALLATION FOR A PERIOD OF TWO YEAR BEGINNING AFTER THE COMPLETION OF LANDSCAPE INSTALLTION DATE APPROVED BY THE CITY OR LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE DURING AND AT THE END OF THE GUARANTEE PERIOD, ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY THE TOUNSHIP OR LANDSCAPE ARCHITECT, WITHOUT COST TO THE OWNER.

landscape maintenance notes:

LANDSCAPE MAINTENANCE PROCEDURES AND FREQUENCIES TO BE FOLLOWED SHALL BE SPECIFIED ON THE LANDSCAPE PLAN, ALONG WITH THE MANNER IN WHICH THE EFFECTIVENESS, HEALTH AND INTENDED FUNCTIONS OF THE VARIOUS LANDSCAPE AREAS ON THE SITE WILL BE ENSURED.

I. LANDSCAPING SHALL BE KEPT IN A NEAT, ORDERLY AND HEALTHY GROWING CONDITION, FREE FROM DEBRIS AND REFUSE.

2. PRUNING SHALL BE MINIMAL AT THE TIME OF INSTALLATION, ONLY TO REMOVE DEAD OR DISEASED BRANCHES, SUBSEQUENT PRUNING SHALL ASSURE PROPER MATURATION OF PLANTS TO ACHIEVE THEIR APPROVED PURPOSE.

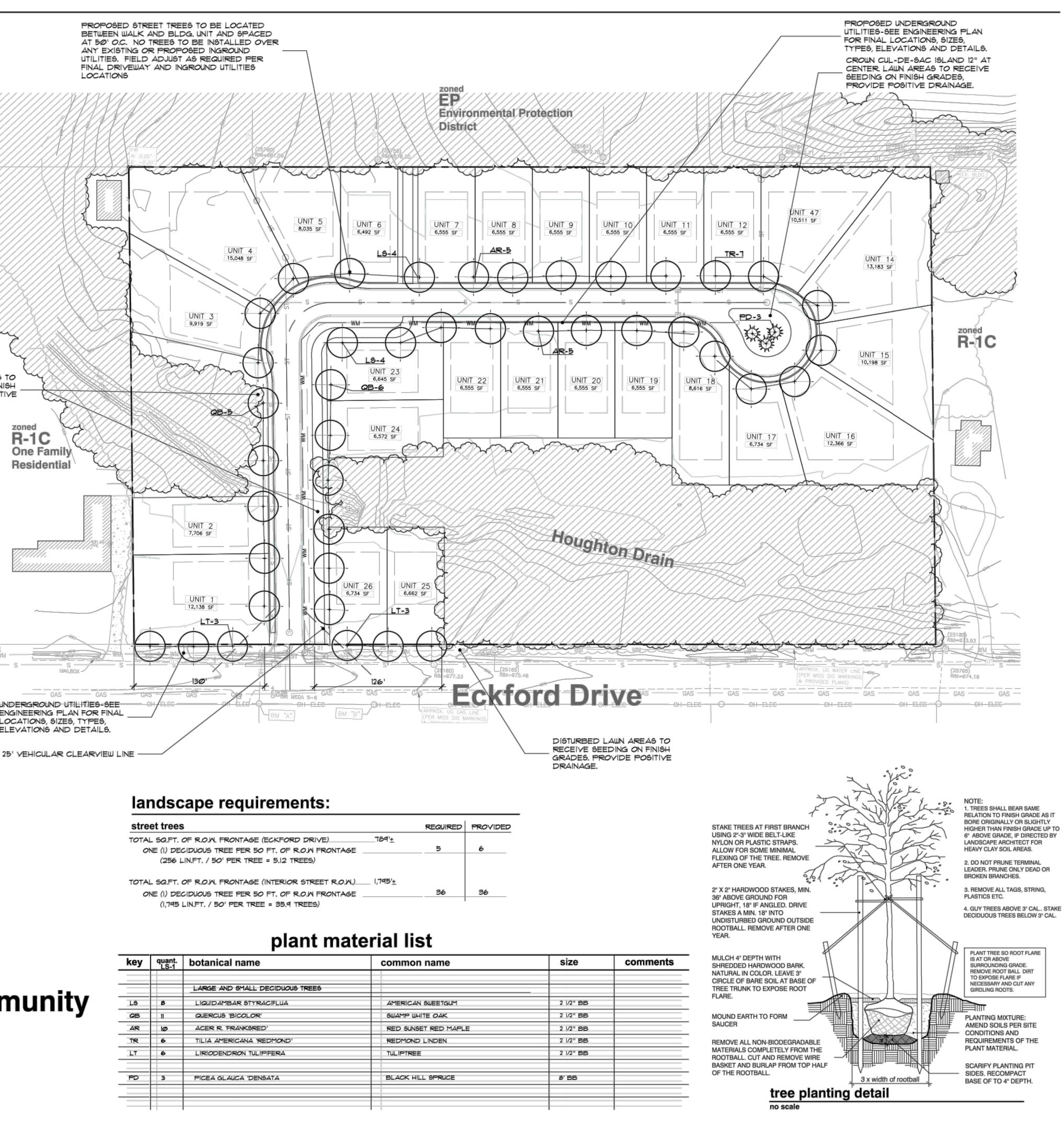
3. ALL DEAD OR DISEASED PLANT MATERIAL SHALL BE REMOVED AND REPLACED WITHIN SIX (6) MONTHS AFTER IT DIES OR IN THE NEXT PLANTING SEASON, WHICHEVER OCCURS FIRST, THE PLANTING SEASON FOR DECIDUOUS PLANTS SHALL BE BETWEEN MARCH IS AND NOVEMBER 15 OR UNTIL THE PREPARED SOIL BECOMES FROZEN. THE PLANTING SEASON FOR EVERGREEN PLANTS SHALL BE BETWEEN MARCH I AND JUNE I. PLANT MATERIAL INSTALLED TO REPLACE DEAD OR DISEASED MATERIAL SHALL BE AS CLOSE AS PRACTICAL TO THE SIZE OF THE MATERIAL IT IS INTENDED TO REPLACE.

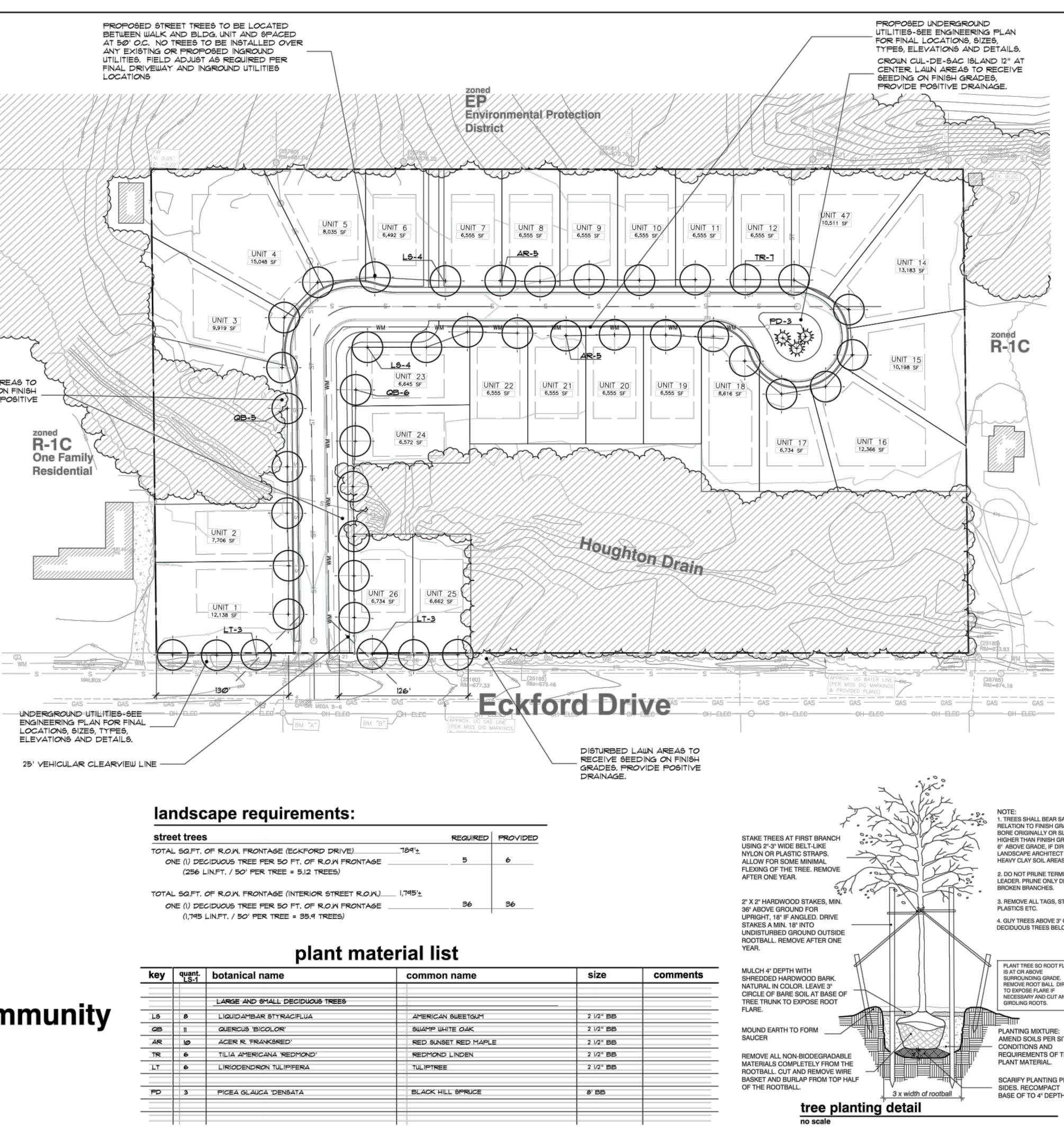
landscape plan for: "Eckford Woods" a planned single family community City of Troy, Michigan note:

unless noted otherwise, numerical value on landscape quantities specified on plan take precedence over graphic representation.

DISTURBED LAWN AREAS TO RECEIVE SEEDING ON FINISH GRADES. PROVIDE POSITIVE DRAINAGE,









street trees		REQUIRED	PROVIDED
TOTAL SQ.FT. OF R.O.W. FRONTAGE (ECKFORD DRIVE)	789' <u>+</u>		
ONE (I) DECIDUOUS TREE PER 50 FT. OF R.O.W FRONTAGE		5	6
(256 LIN.FT. / 50' PER TREE = 5.12 TREES)			
TOTAL SQ.FT. OF R.O.W. FRONTAGE (INTERIOR STREET R.O.W.)	1,795' <u>+</u>		
ONE (1) DECIDUOUS TREE PER 50 FT. OF R.O.W FRONTAGE		36	36
(1,795 LIN.FT. / 50' PER TREE = 35.9 TREES)			



key	quant. LS-1	botanical name	common name	size	comments
C					
		LARGE AND SMALL DECIDUOUS TREES			
LS	8	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2 1/2" BB	
QB	n	QUERCUS 'BICOLOR'	SWAMP WHITE OAK	2 1/2" BB	
AR	10	ACER R. 'FRANKSRED'	RED SUNSET RED MAPLE	2 1/2" BB	
TR	6	TILIA AMERICANA 'REDMOND'	REDMOND LINDEN	2 1/2" BB	
LT	6	LIRIODENDRON TULIPIFERA	TULIPTREE	2 1/2" BB	
PD	3	PICEA GLAUCA 'DENSATA	BLACK HILL SPRUCE	8' BB	
(
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Community Land Planner and registered Landscape Architect 24333 Orchard Lake Rd, Suite G Farmington Hills, MI 48336 ph. (248) 557-5588 fax. (248) 557-5416



client:

ICON DEVELOPMENT 35520 Forton Court Clinton Township, Michigan 48035

project: **ECKFORD** WOODS

project location: City of Troy Michigan 525 Eckford Drive

sheet title:

STREET TREE LANDSCAPE PLAN

job no./issue/revision date: LS21.129.11 SPA 11/12/2021 LS22.023.02 SPA 2/2/2022 LS22.023.03 SPA 3/18/2022

drawn by:

JP, HP checked by: FP date: 1/31/2022 notice: Copyright © 2022 This document and the subject matter contained therein is proprietary and is not to be used or reproduced without the written permission of Felino Pascual and Associates

Do Not scale drawings. Use figured dimensions only



The location and elevations of existing nderground utilities as shown on this drawing are only approximate. no guarante is either expressed or implied as to the completeness of accuracy, contractor shall be exclusively responsible for determining the exact location and elevation prior to the start of construction.

project no:

LS22.023.02

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General Note

1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.

2. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' - 0"

3. LIGHTING ALTERNATES REQUIRE NEW PHOTOMETRIC CALCULATION AND RESUBMISSION TO CITY FOR APPROVAL.

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS INDICATED ARE FROM GRADE AND/OR FLOOR UP.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIRMENTS DEFINED IN ASHRAE 90.1 2013. FOR SPECIFIC INFORMATION CONTACT GBA CONTROLS GROUP AT ASG@GASSERBUSH.COM OR 734-266-6705.

FOR ORDERING INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-6705.

THIS DRAWING WAS GENERATED FROM AN ELECTRONIC IMAGE FOR ESTIMATION PURPOSE ONLY. LAYOUT TO BE VERIFIED IN FIELD BY OTHERS.

MOUNTING HEIGHT IS MEASURED FROM GRADE TO FACE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE HEIGHT.

Schedule									29
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Lumens Per Lamp	Light Loss Factor	Wattage
	Α	1	Lithonia Lighting	DSX0 LED P6 40K RCCO MVOLT	DSX0 LED P6 40K RCCO MVOLT	LED	9739	0.9	134
	В	1	Lithonia Lighting	DSX0 LED P6 40K T3M MVOLT	DSX0 LED P6 40K T3M MVOLT	LED	15508	0.9	134

LIGHTING PLAN

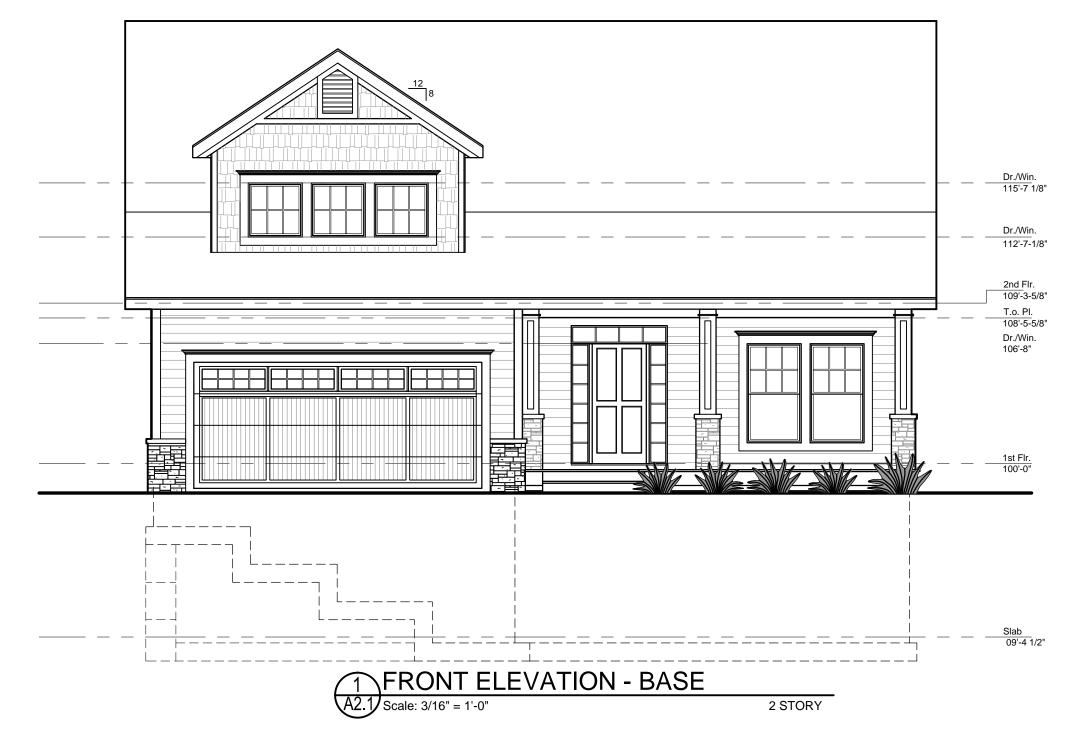
ECKFORD PHOTOMETRIC PLAN GASSER BUSH ASSOCIATES WWW.GASSERBUSH.COM



LP-1.0
Designer
DS
Date
11/11/2021
Scale
Not to Scale
Drawing No.
#21-68808 V1
1 of 1



PRELIMINARY NOT FOR CONSTRUCTION A2.1



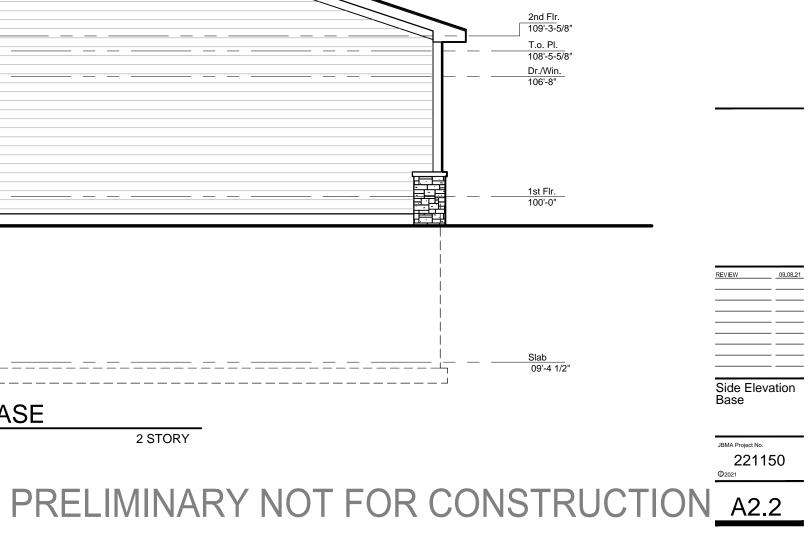


JBMA Project No.

REVIEW	09.00.21
	-
	-

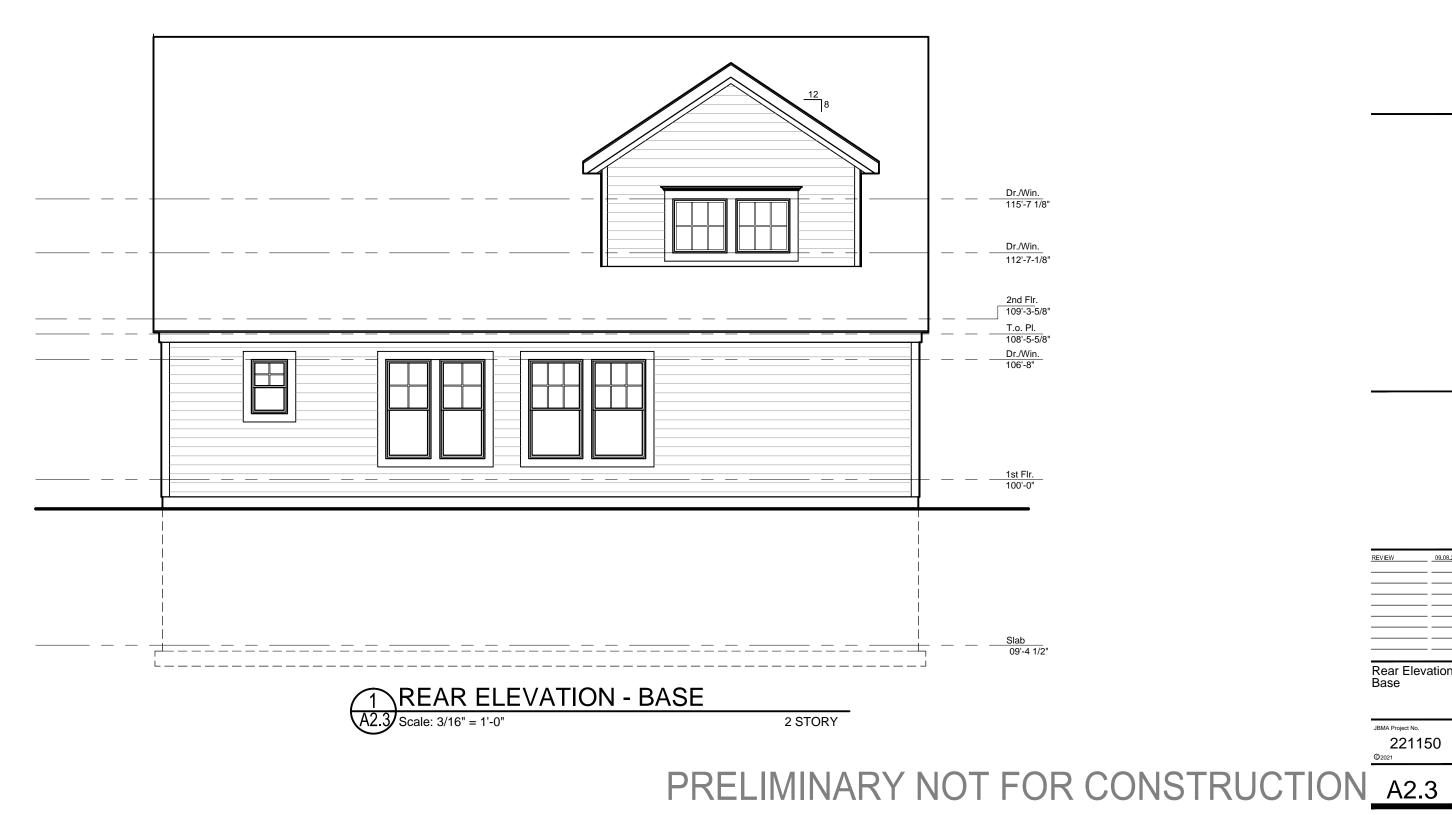
00 08 21

1 SIDE ELEVATION - BASE A2.2 Scale: 3/16" = 1'-0" 2 STORY	



Dr./Win. 115'-7 1/8"

Dr./Win. 112'-7-1/8"



Rear Elevation Base

NEVIEW	09.00.21

PRELIMINARY NOT FOR

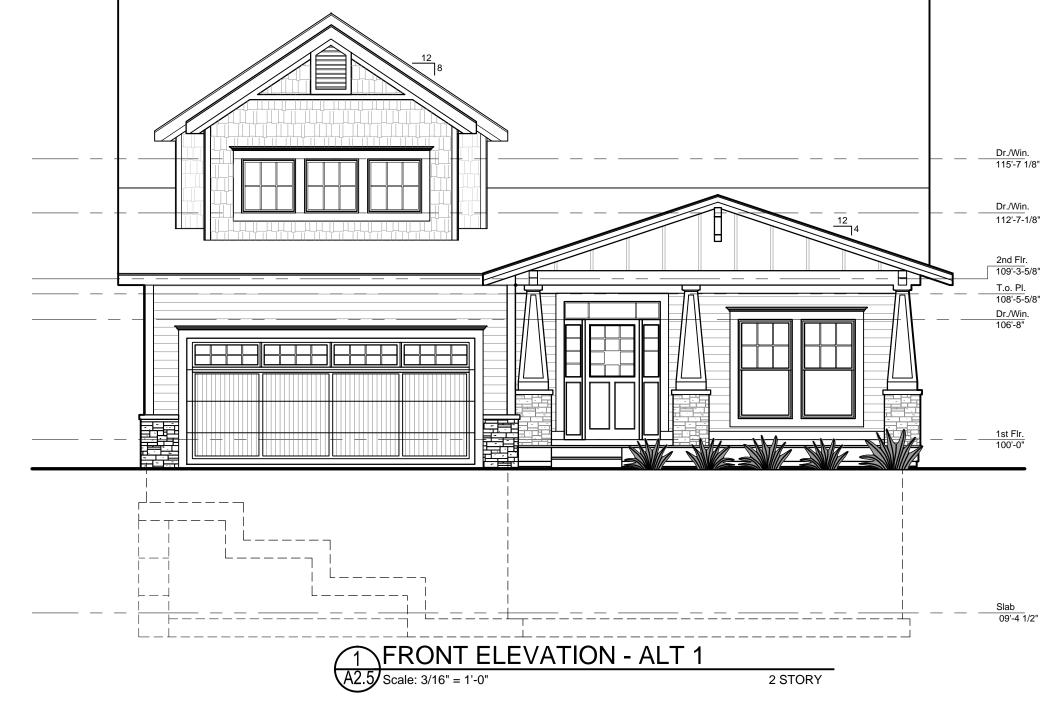


09'-4 1/2" 	Side Elevation Base
	JBMA Project No. 221150 ©2021
CONSTRUCTION	A2.4

REVIEW

09.08.21

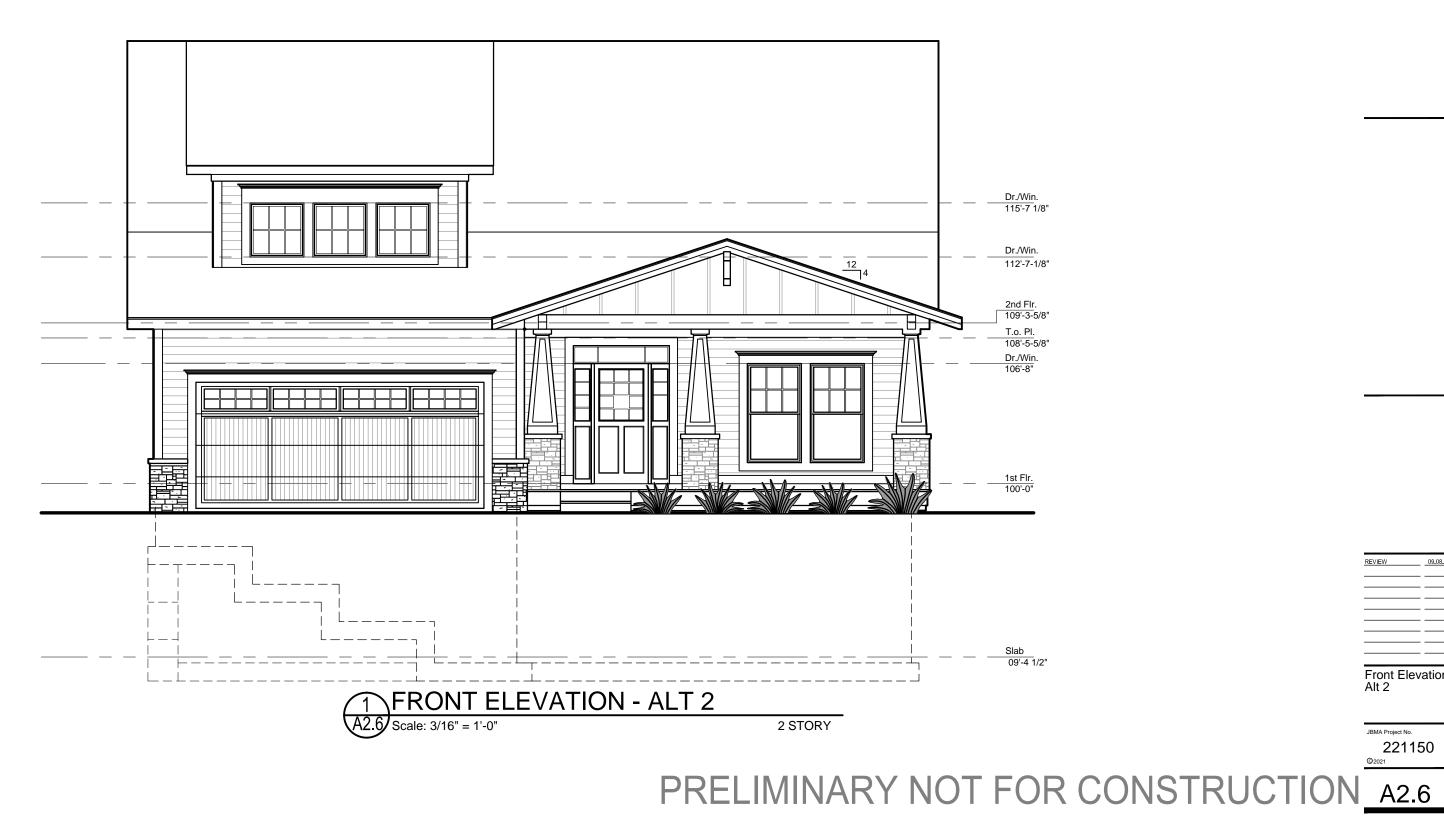
2 STORY JEMA Project No. 221150 ©2021 PRELIMINARY NOT FOR CONSTRUCTION A2.5





Front Elevation Alt 1

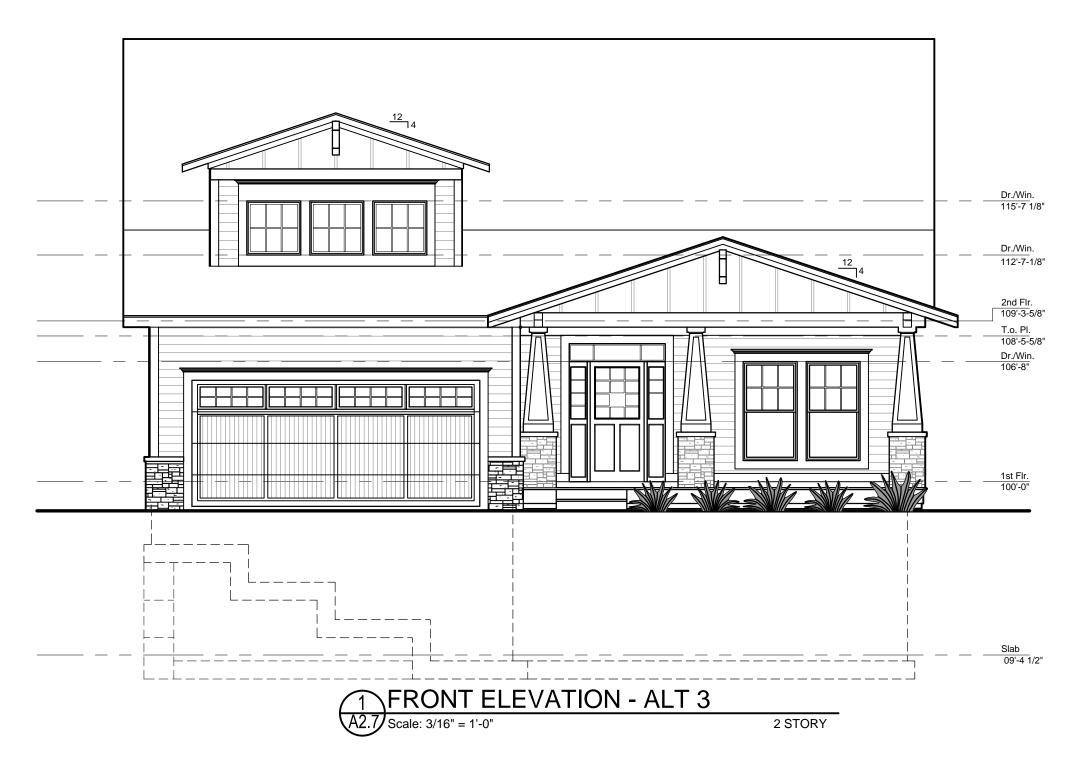
REVIEW	09.08.21





Front Elevation Alt 2

REVIEW	09.08.21

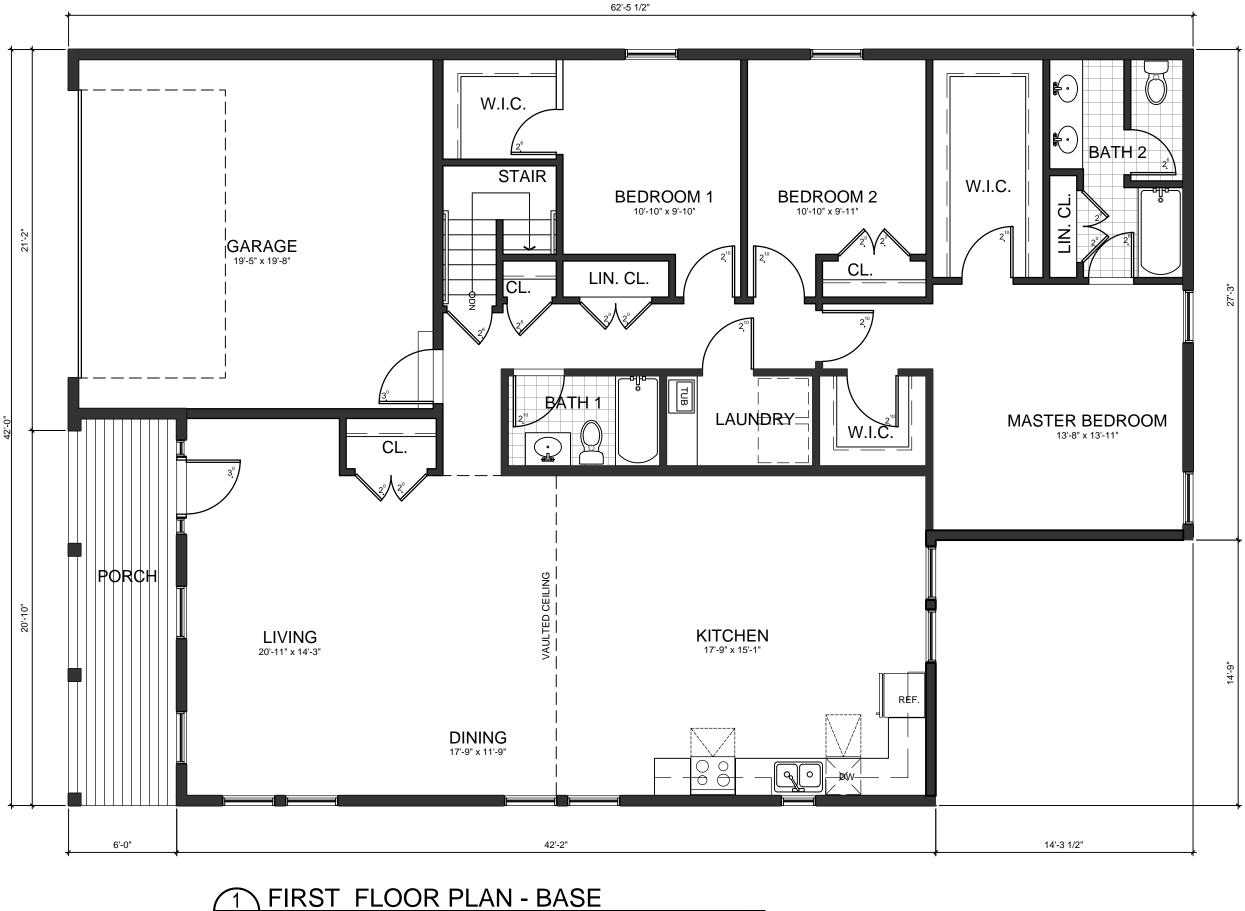


2 STORY JEMA Project No. 221150 ©2021 PRELIMINARY NOT FOR CONSTRUCTION A2.7



Front Elevation Alt 3

REVIEW	09.08.21



A1.1

Scale: 3/16" = 1'-0"

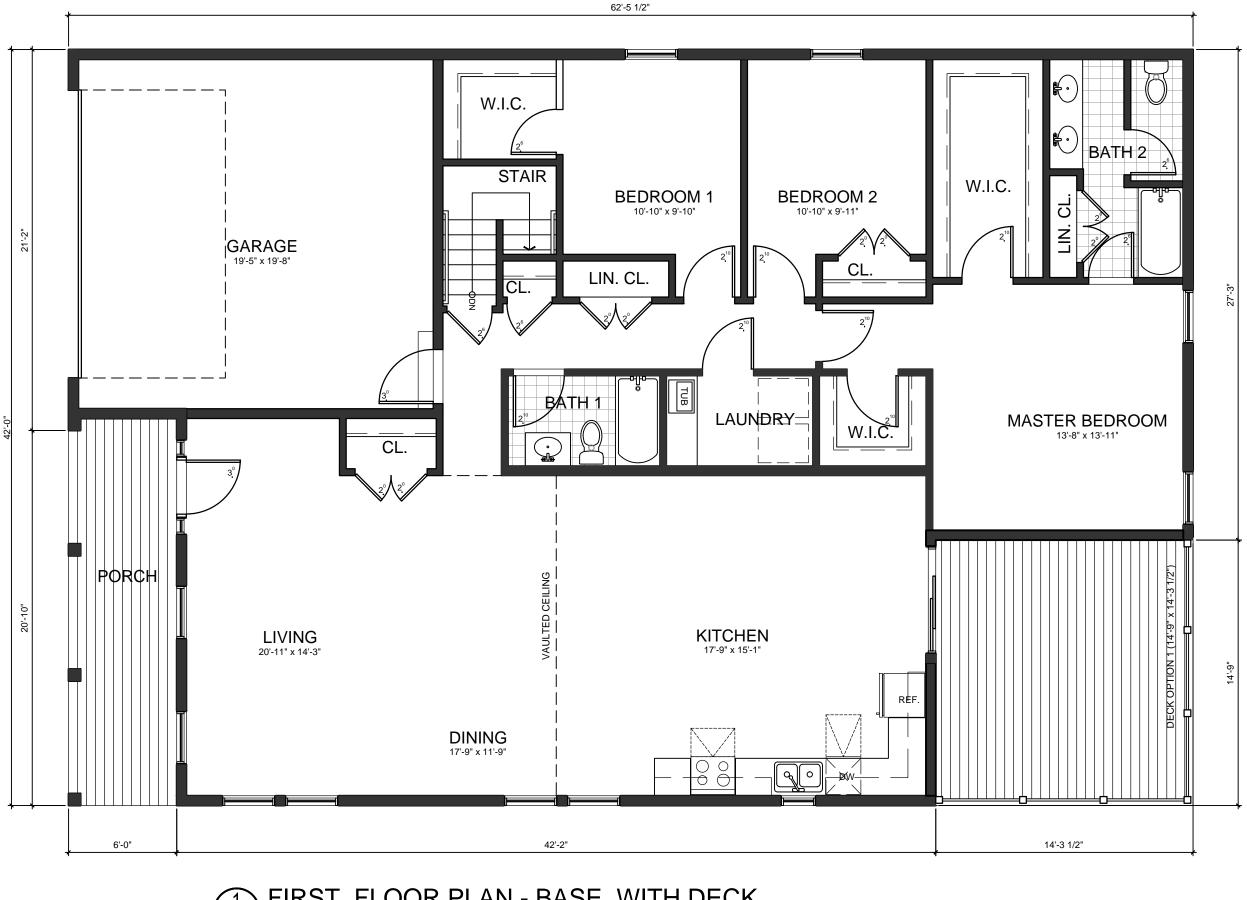




First Floor	
Base	

REVIEW	08.16.21

1



FIRST FLOOR PLAN - BASE WITH DECK A1.1a Scale: 3/16" = 1'-0"



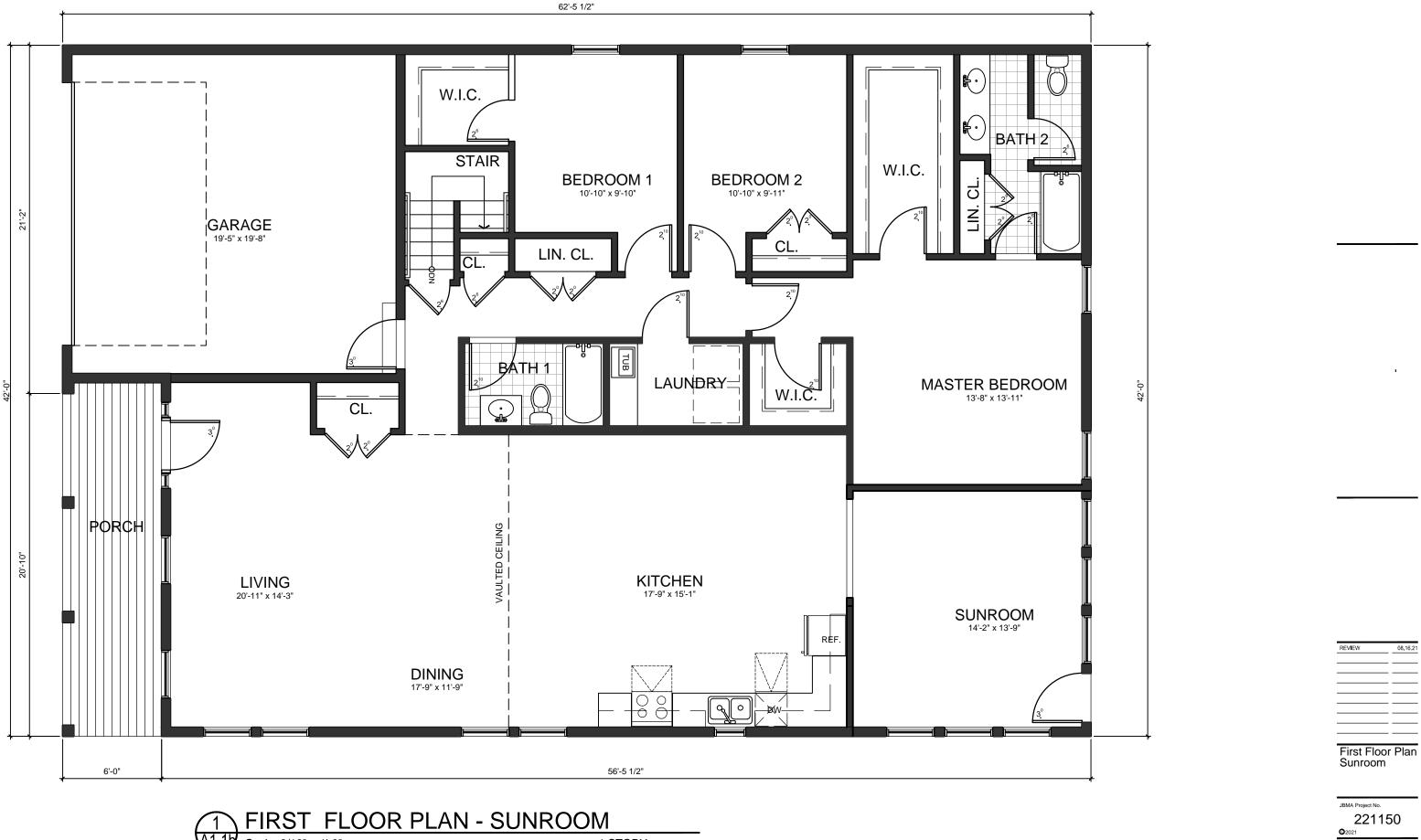


First Floor Base with Deck

REVIEW

1

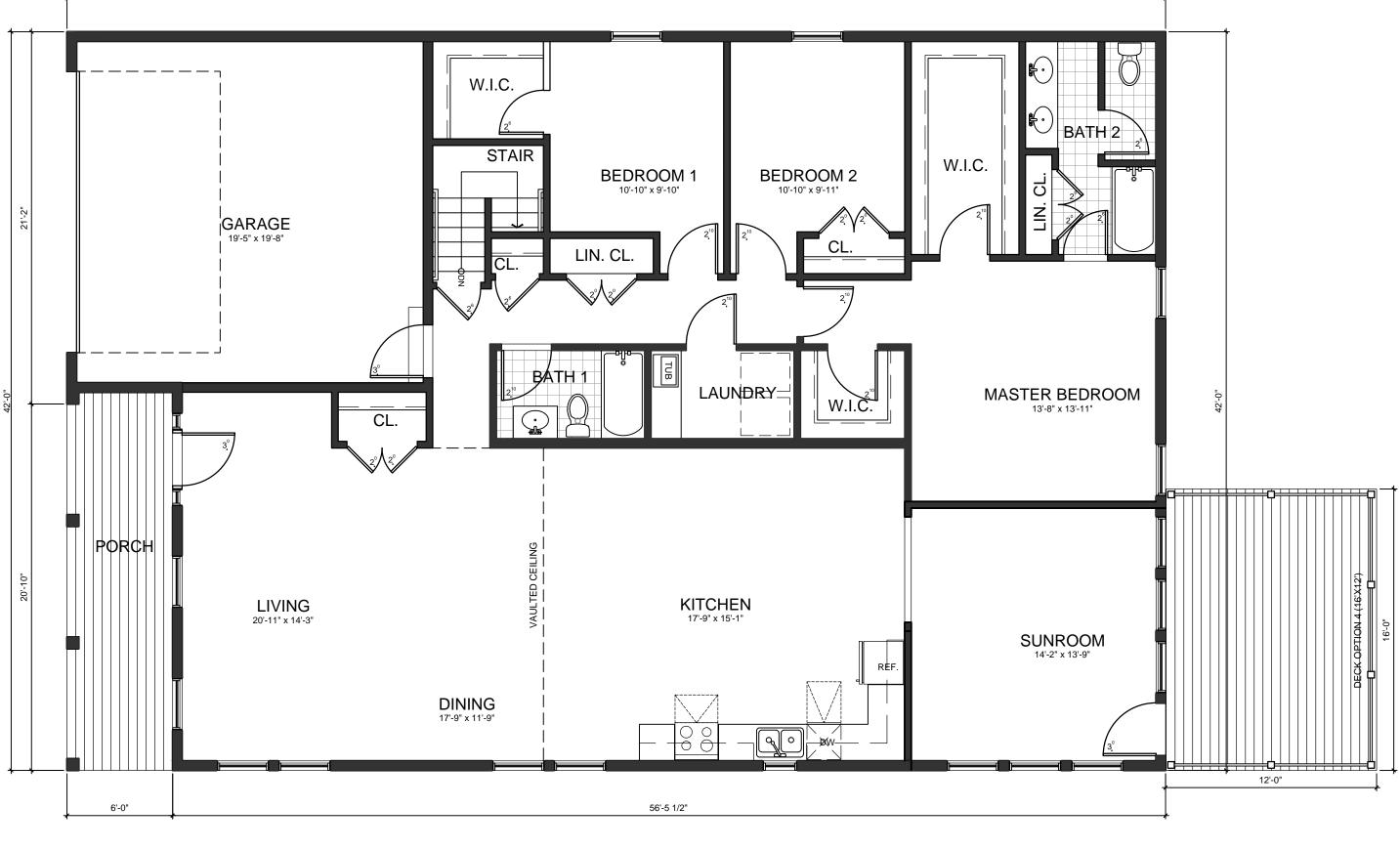
08.16.21



A1.10

Scale: 3/16" = 1'-0"





62'-5 1/2"

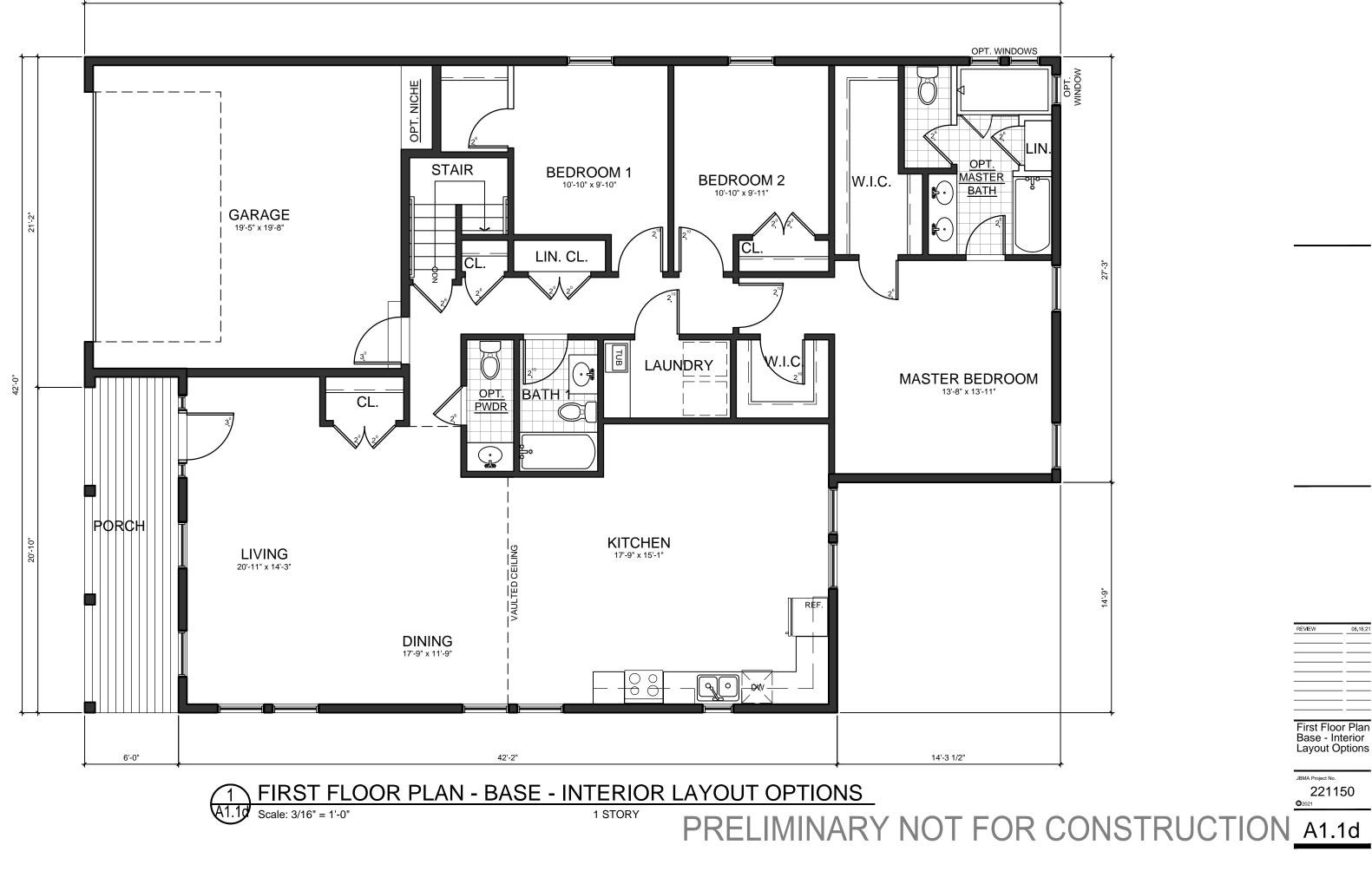
FIRST FLOOR PLAN - SUNROOM WITH DECK A1.10 Scale: 3/16" = 1'-0"



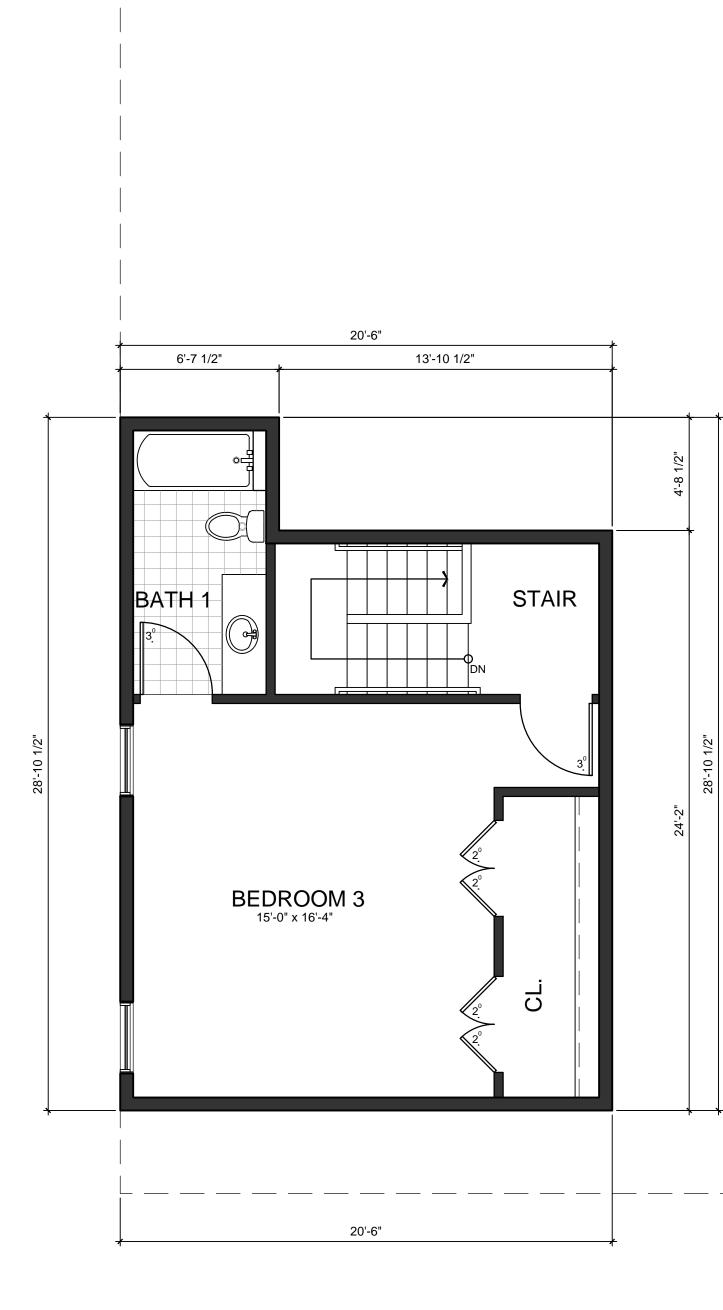


JBMA Project No.

REVIEW	08.16.21







2 STORY

JBMA Project No. **221150**

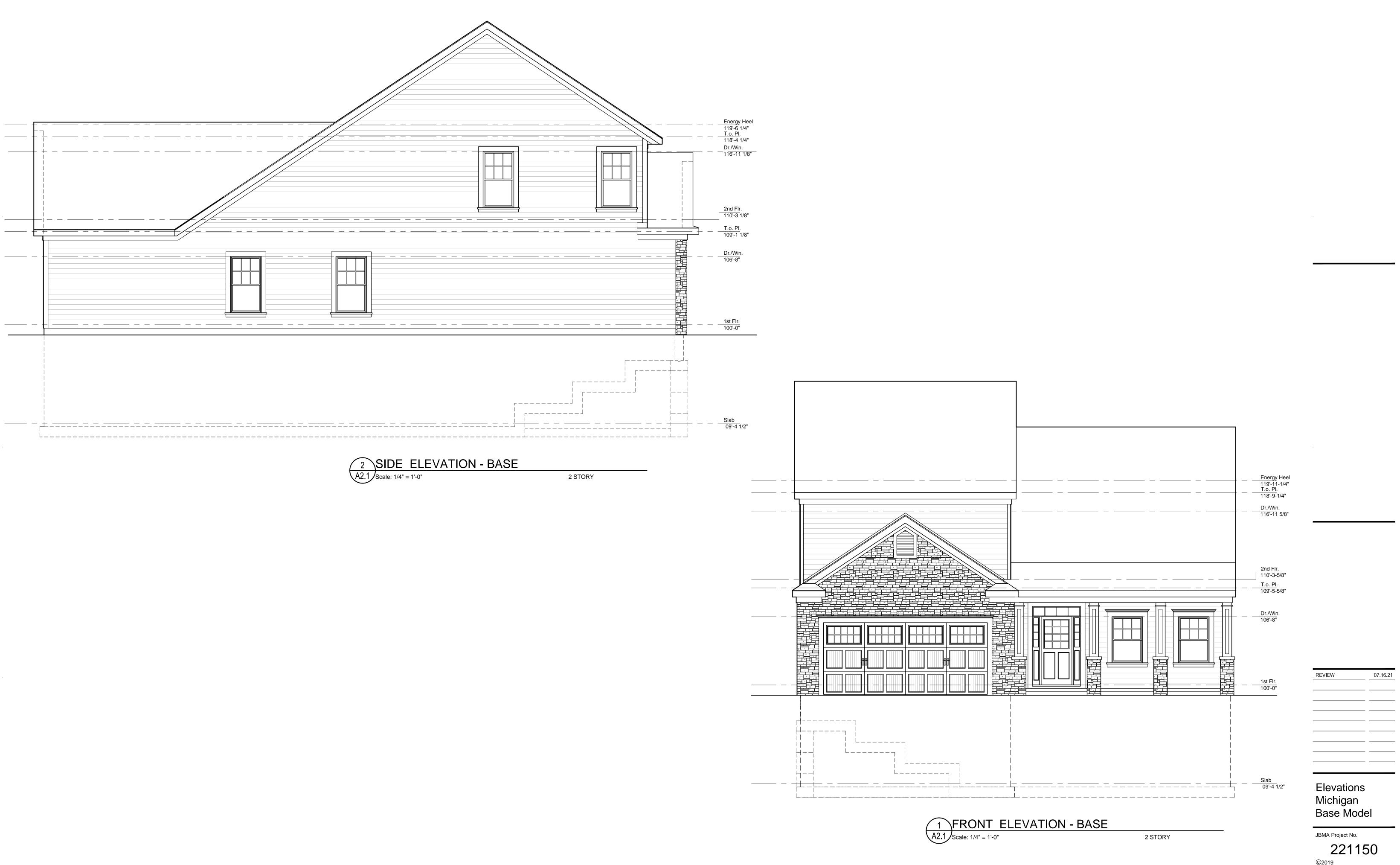
©2019

Base

2nd Floor Plan	

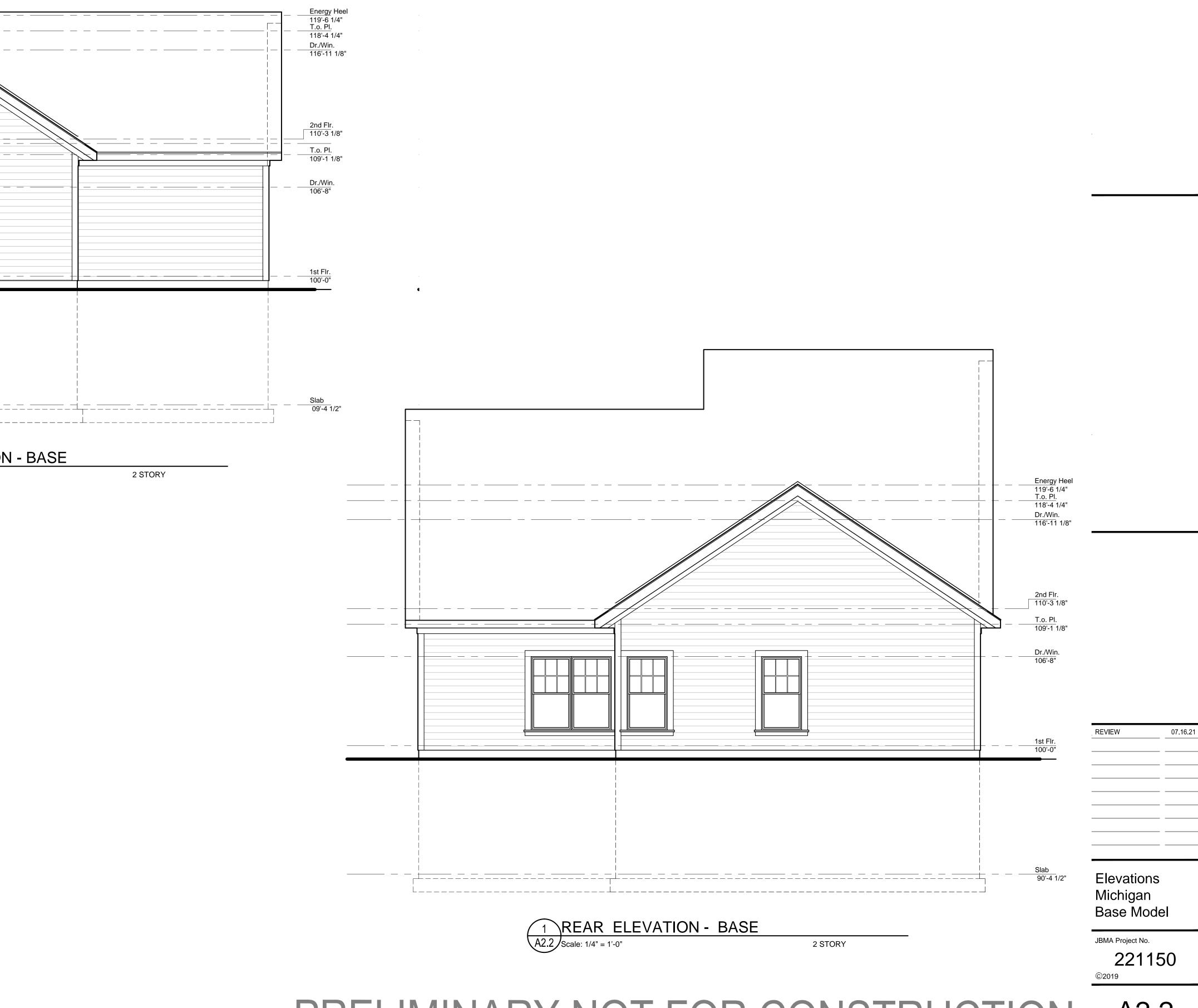
Review

07.13.21





2 SIDE ELEVATION - BASE A2.2 Scale: 1/4" = 1'-0"



PRELIMINARY NOT FOR CONSTRUCTION A2.2

07.16.21



2 2nd FLOOR PLAN - ALT '1' A2.3 Scale: 1/4" = 1'-0"

2 STORY OPTION

A2.3 Scale: 1/4" = 1'-0"

PRELIMINARY NOT FOR CONSTRUCTION A2.3

2 STORY OPTION

©2019

JBMA Project No. 221150

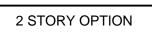
Elevation and 2nd Floor Plan Michigan ALT '1'

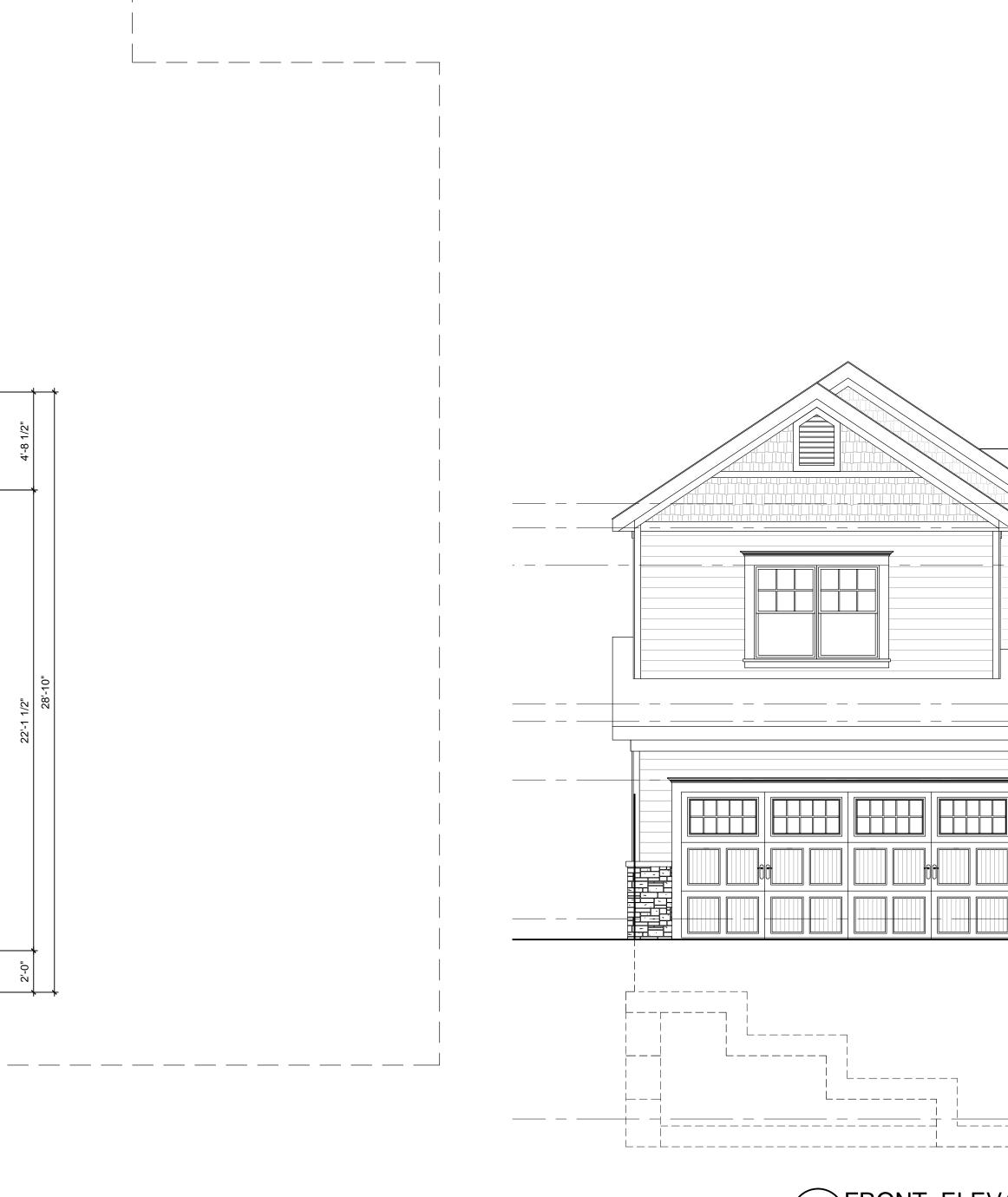
REVIEW	07.19.21





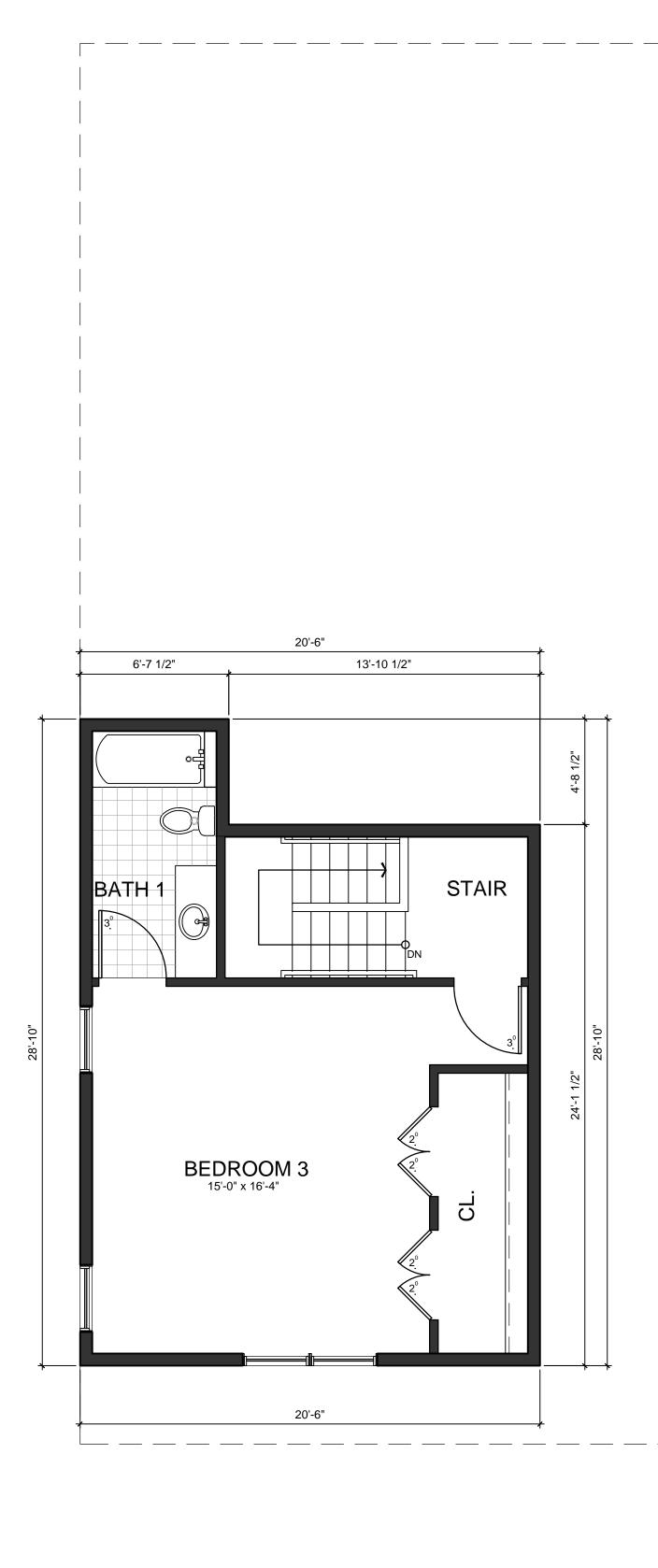
2nd Flr. 110'-3-5/8" T.o. Pl. 109'-5-5/8" Dr./Win. 106'-8" 1st Flr. 100'-0" _____ -----07.07.21 REVIEW L_____ _ _ _ _ _ _ _ _ 09'-4 1/ 1 FRONT ELEVATION - ALT '2' A2.4 Scale: 1/4" = 1'-0" 2 2 STORY OPTION Elevation and 2nd Floor Plan Michigan ALT '2' JBMA Project No. 221150 ©2019 PRELIMINARY NOT FOR CONSTRUCTION A2.4





Energy Hee 119'-11-1/4" T.o. Pl. 118'-9-1/4"

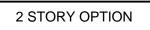
Dr./Win. 116'-11 5/8"





 1
 FRONT ELEVATION - ALT '3'

 A2.5
 Scale: 1/4" = 1'-0"







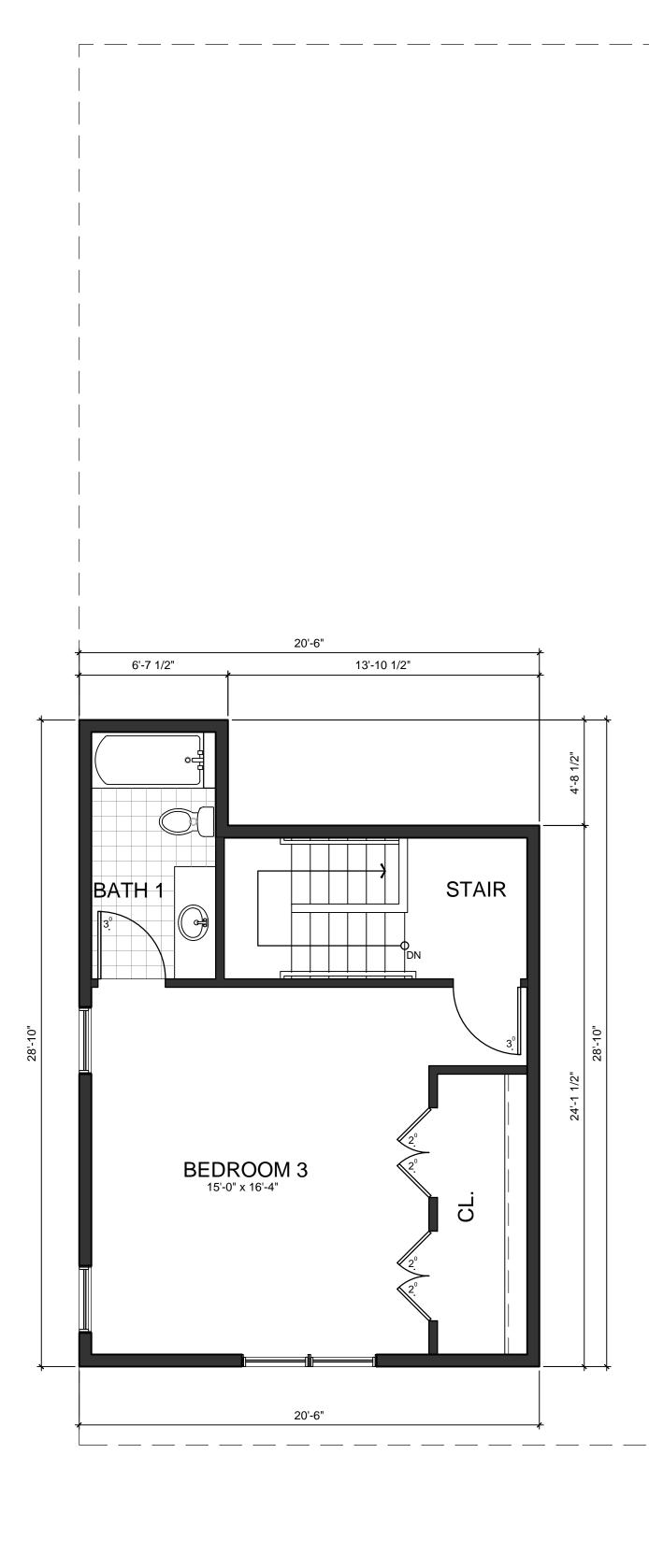
2 STORY OPTION



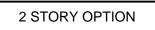
JBMA Project No.

221150

07.19.21

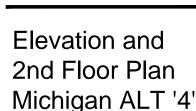










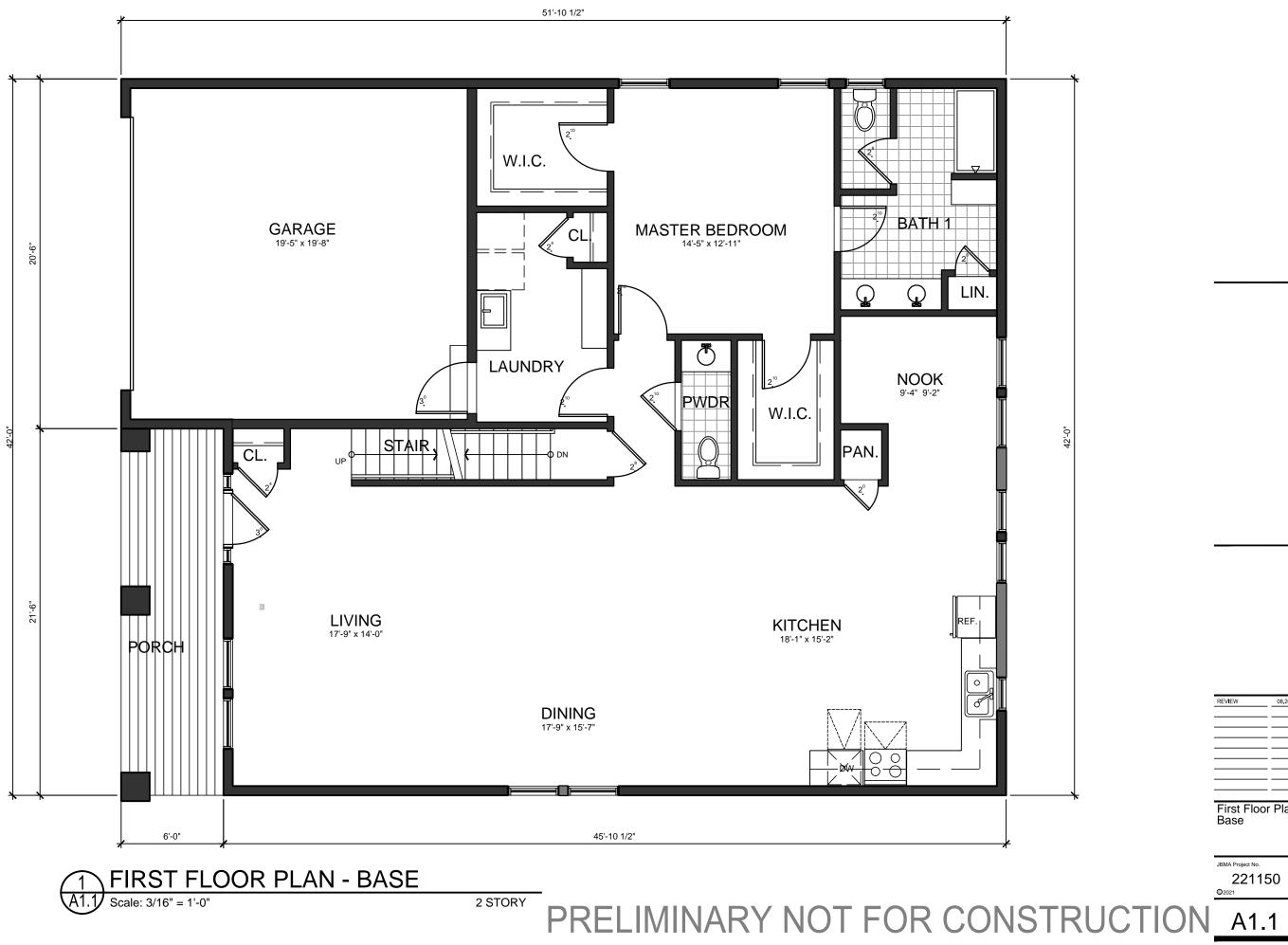


07.19.21

Michigan ALT '4'

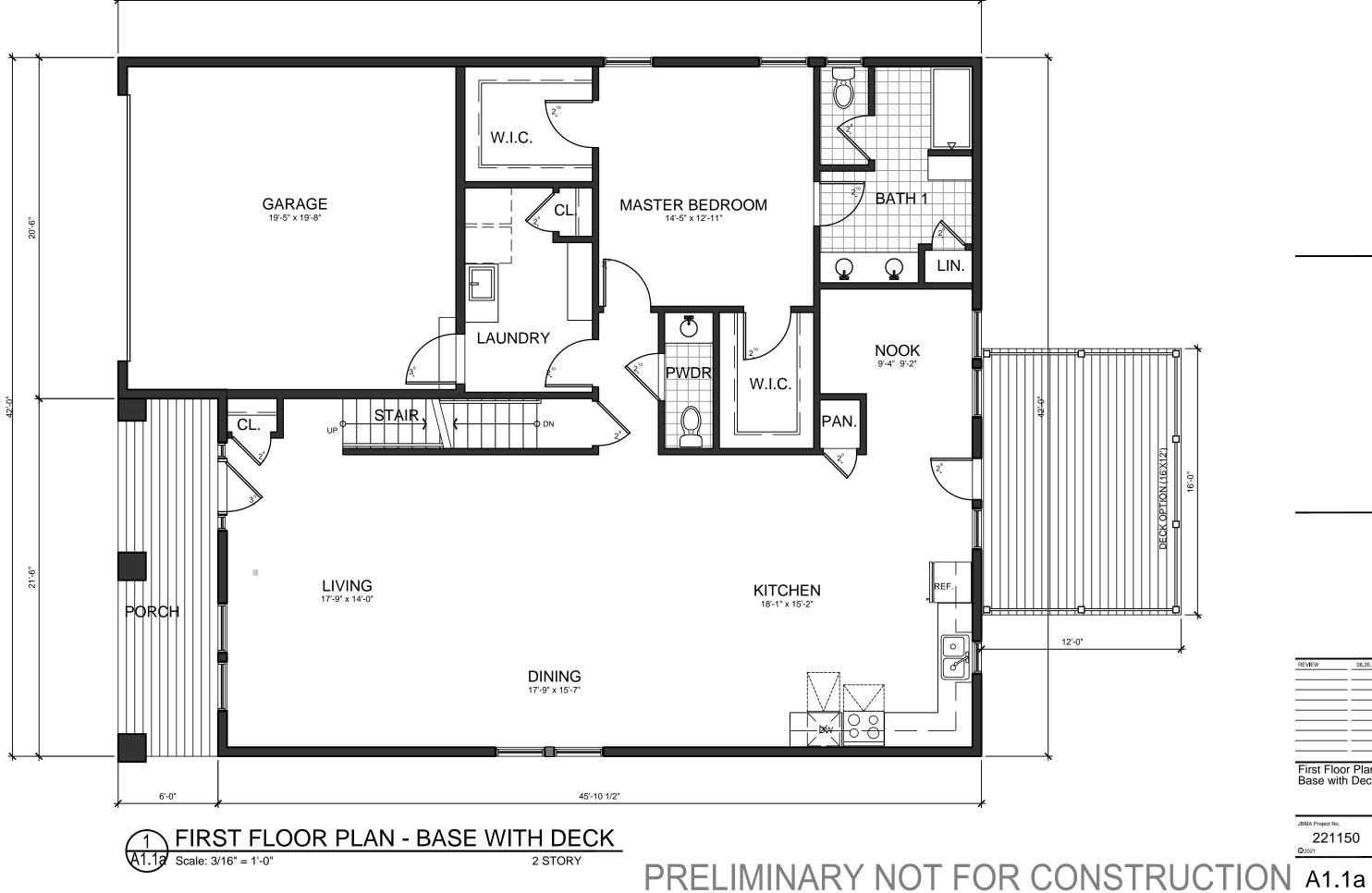
JBMA Project No.

221150 ©2019



First Floo	or Plan
Base	

REVIEW	08.26.21

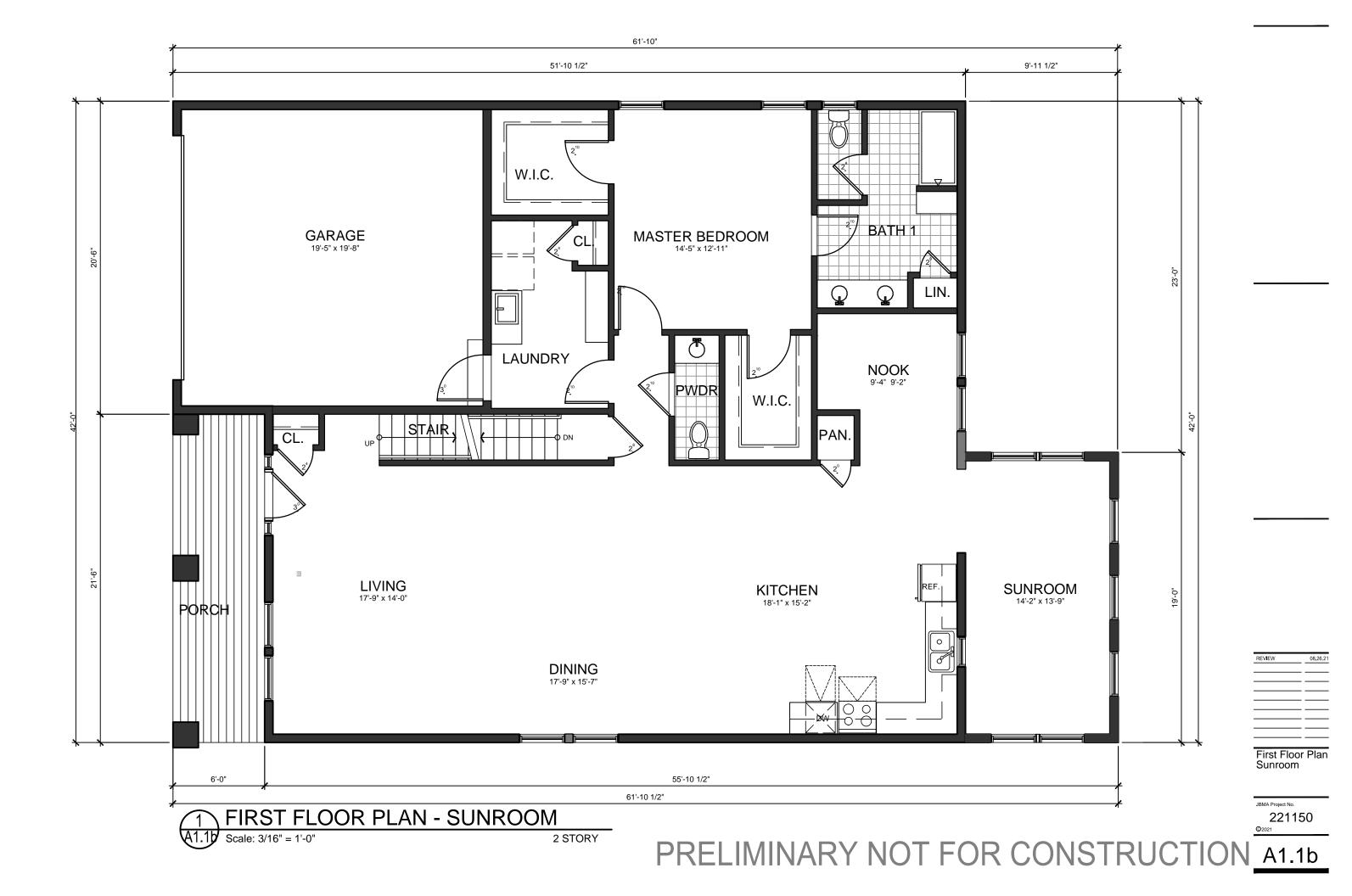


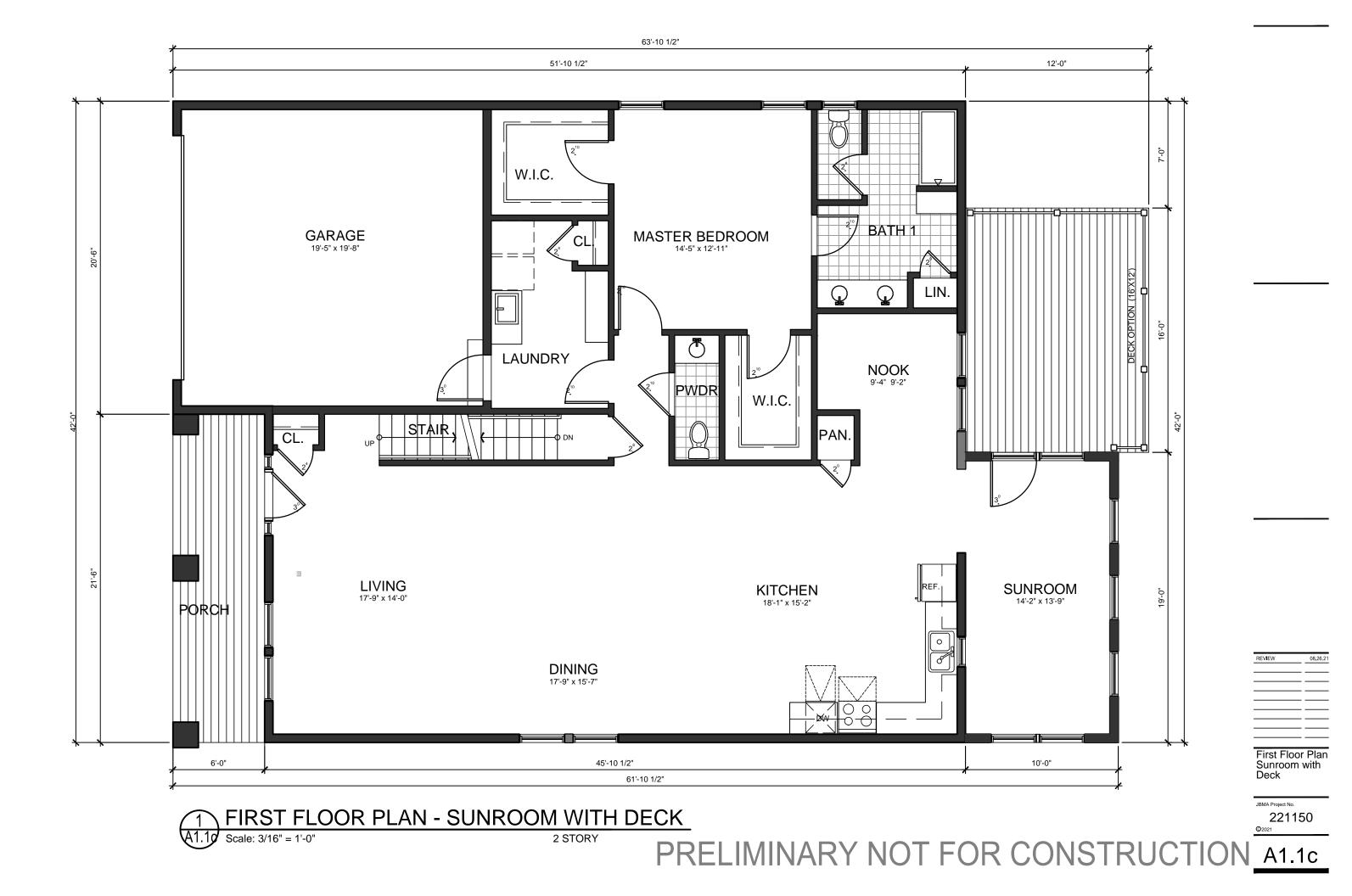
51'-10 1/2"

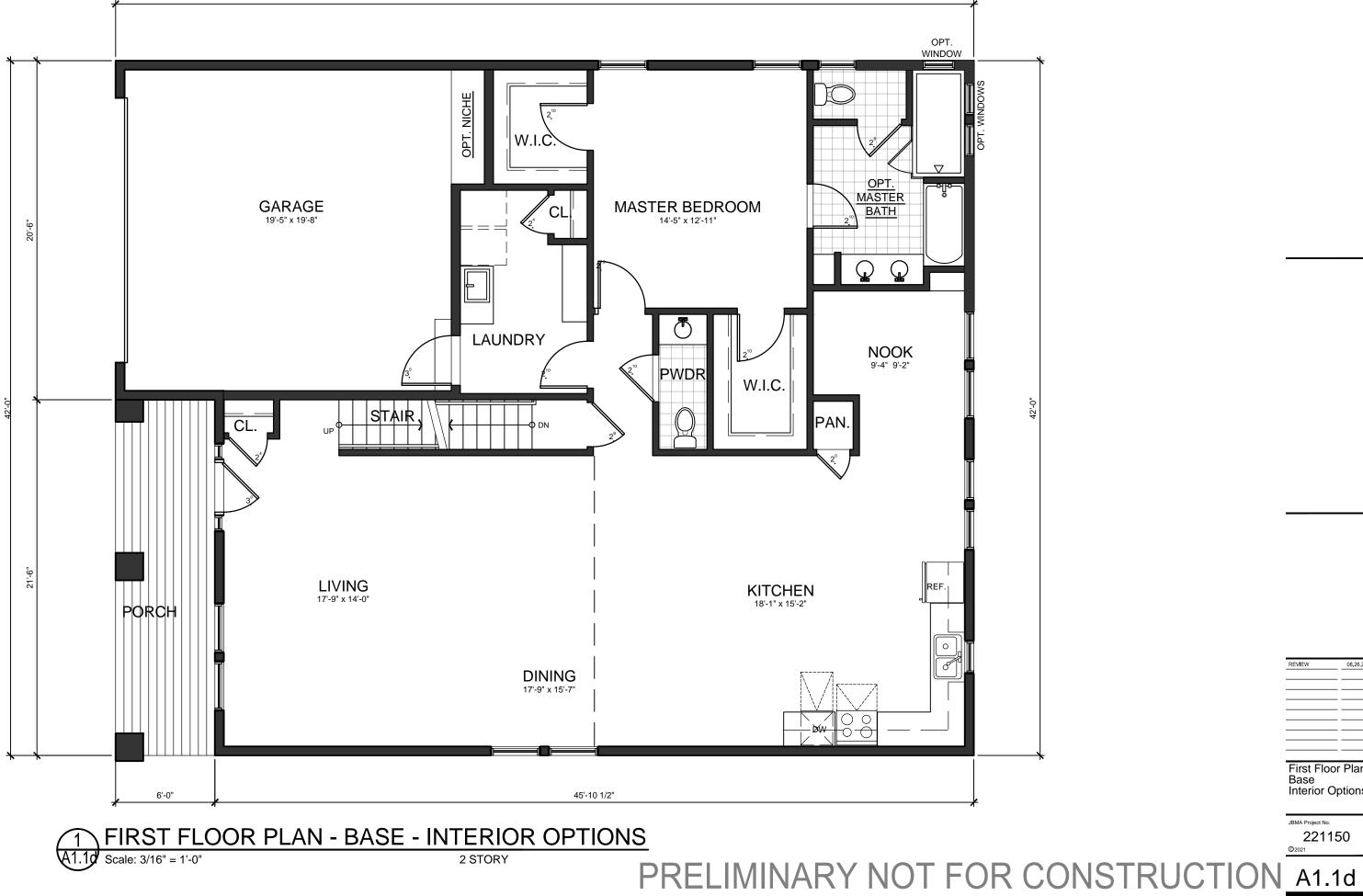
JBMA Project No. **221150**

First Floor Plan
Base with Deck
Babb Milli Book

REVIEW	08.26.21
	_







51'-10 1/2"

First Floor Plan Base Interior Options

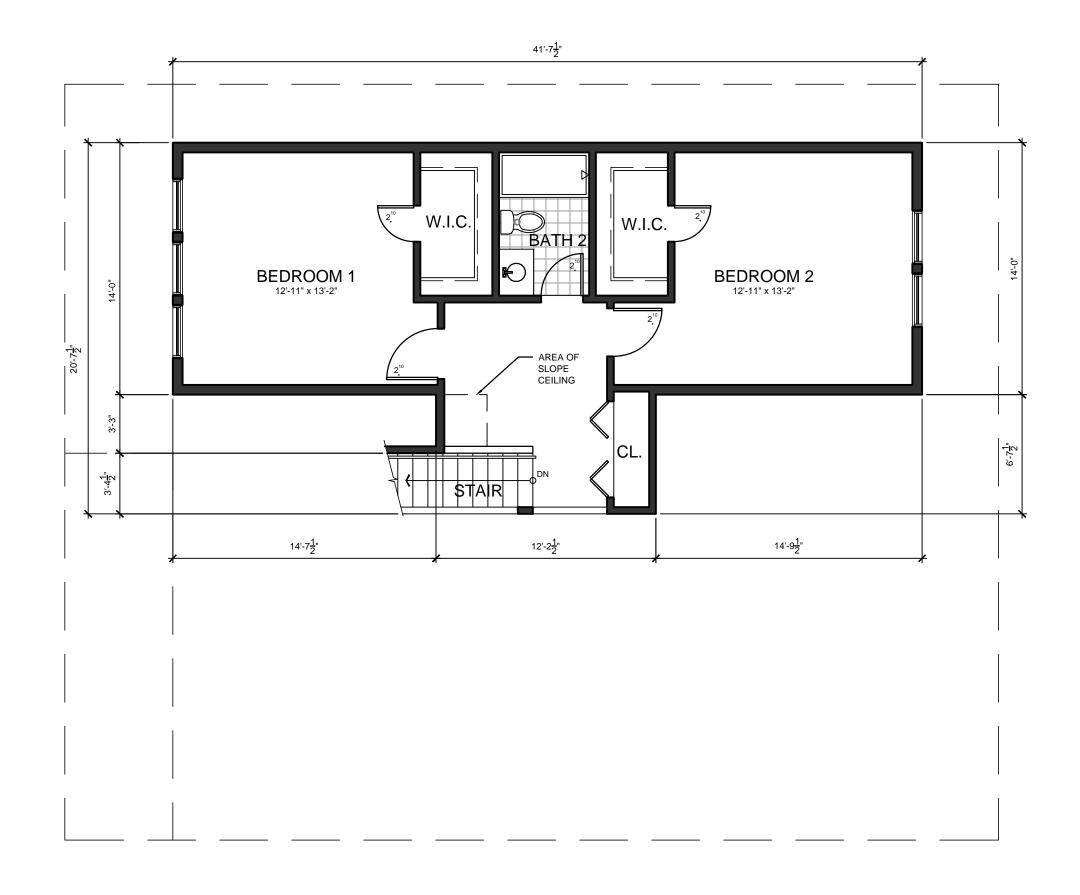
JBMA Project No.

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08,26,21

REVIEW

42'-0"



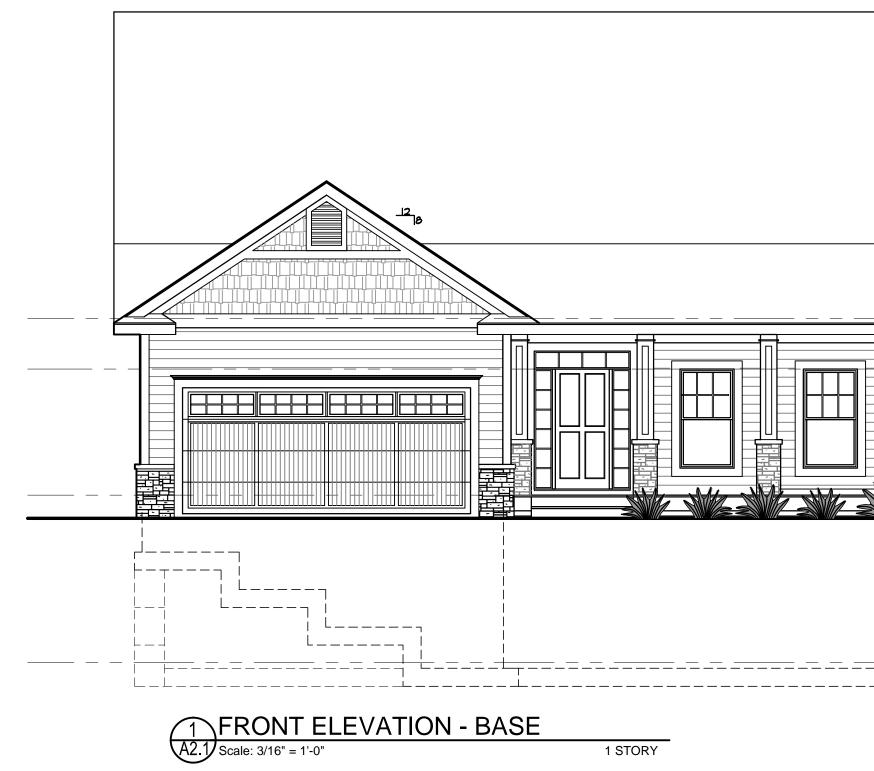
1 SECOND FLOOR PLAN - BASE A1.2 Scale: 3/16" = 1'-0"

PRELIMINARY NOT FOR CONSTRUCTION A1.2

JBMA Project No. 221150 ©2021

Second Floor Plan - Base

REVIEW	08.26.21

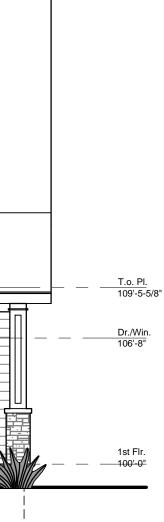


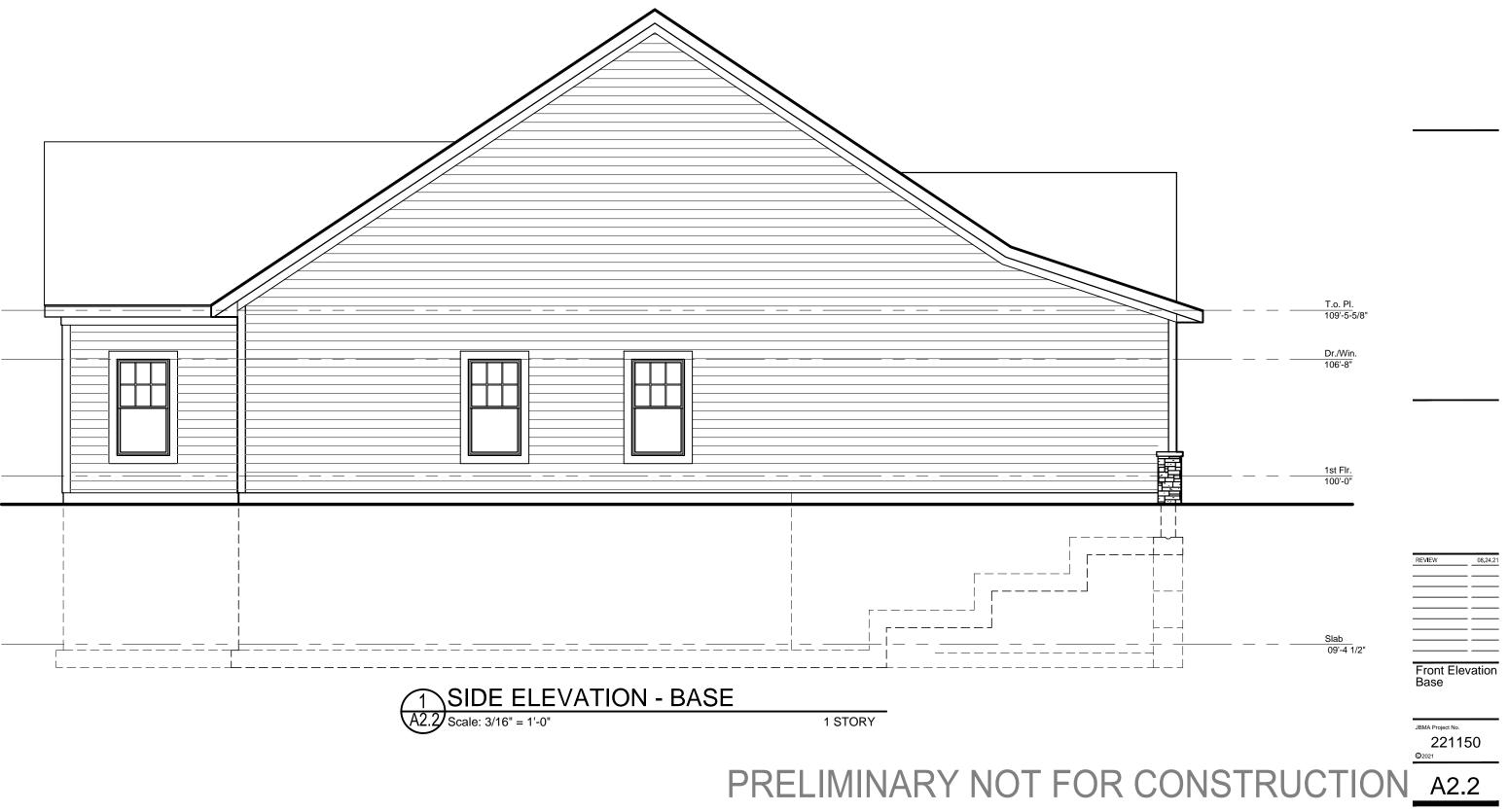
Slab 09'-4 1/2"

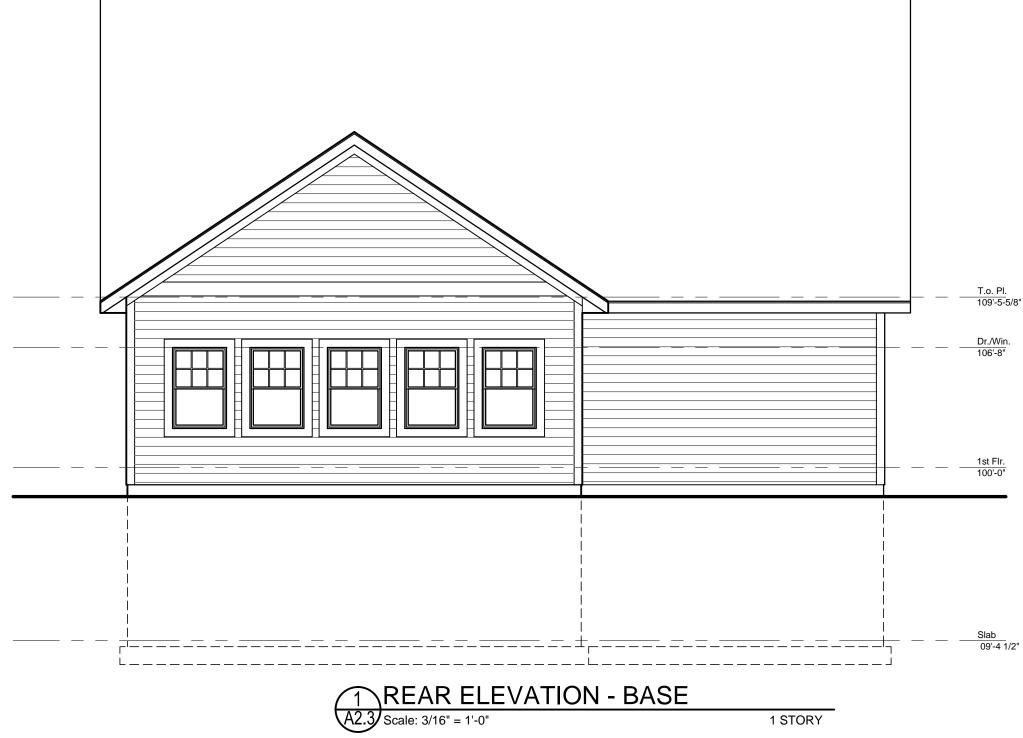
JBMA Project No. 221150 ©2021

Front Elevation Base

NEVIEW	00.24.21







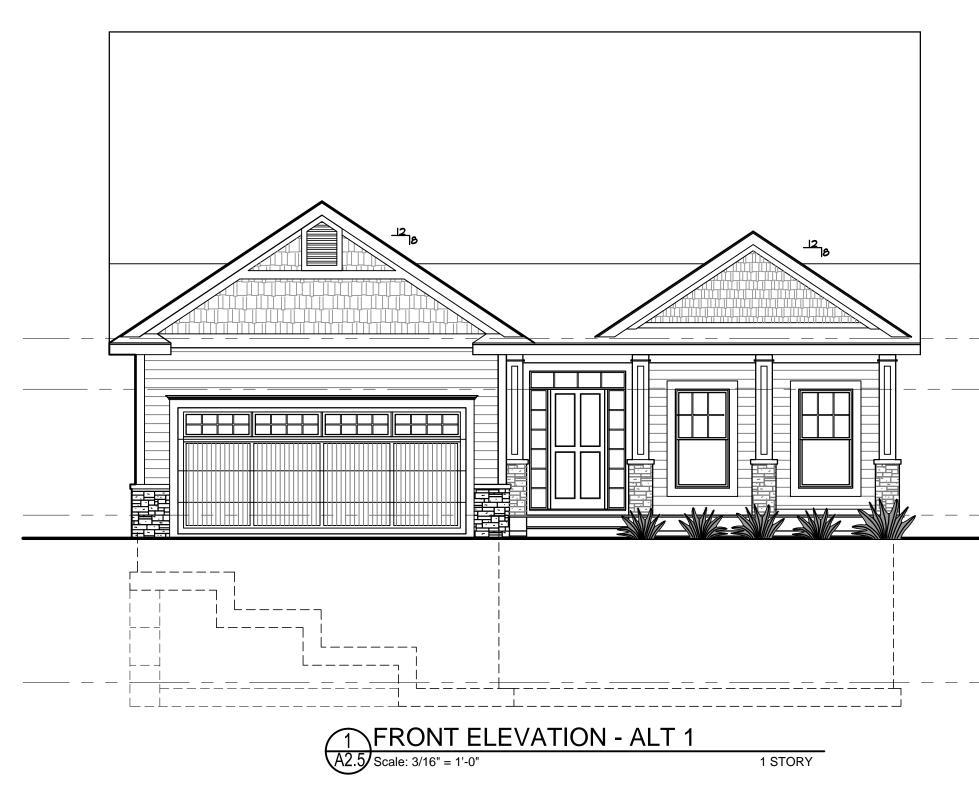
Rear Elevation Base

JBMA Project No.

REVIEW

08.24.21





Front Elevation Alt 1

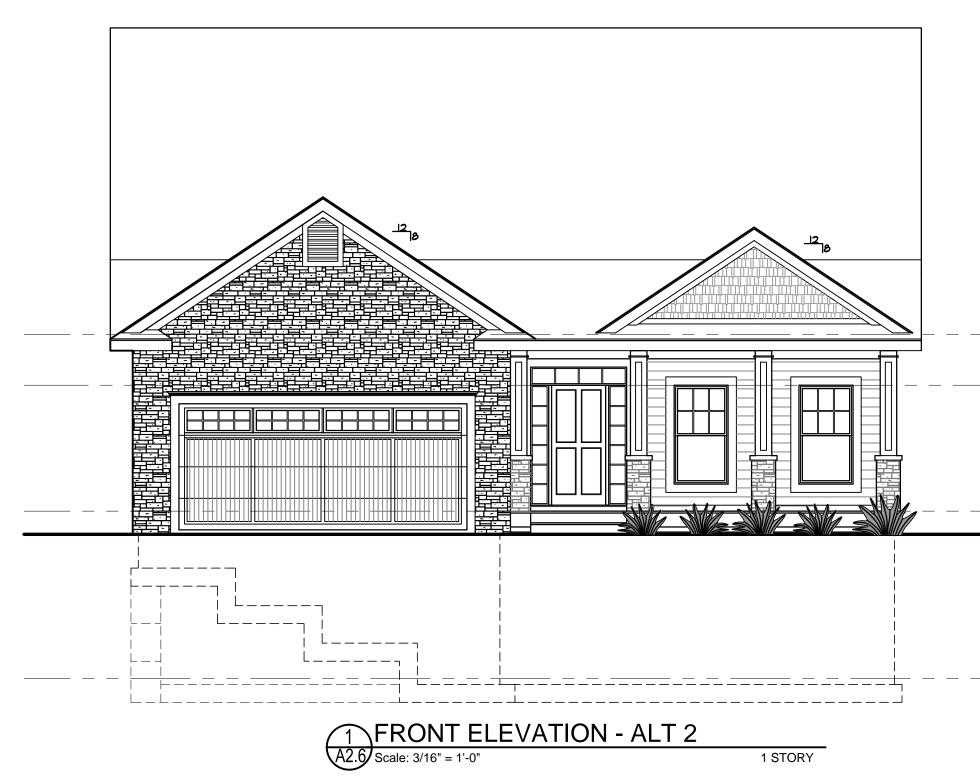
JBMA Project No.

Slab 09'-4 1/2"

100'-0"

1st Flr.

Dr./Win. 106'-8"



JBMA Project No.

Front Elevation Alt 2

REVIEW

08.24.21

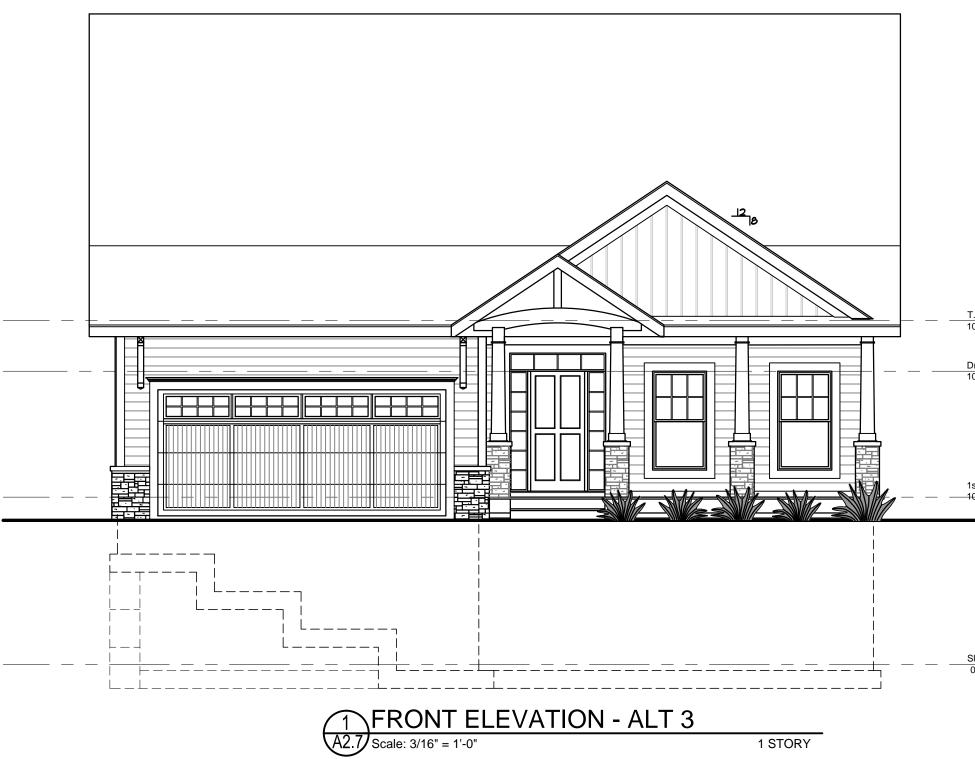
100'-0"

Slab 09'-4 1/2"

1st Flr.

T.o. Pl. 109'-5-5/8"

Dr./Win. 106'-8"



Slab 09'-4 1/2"

> Front Elevation Alt 3

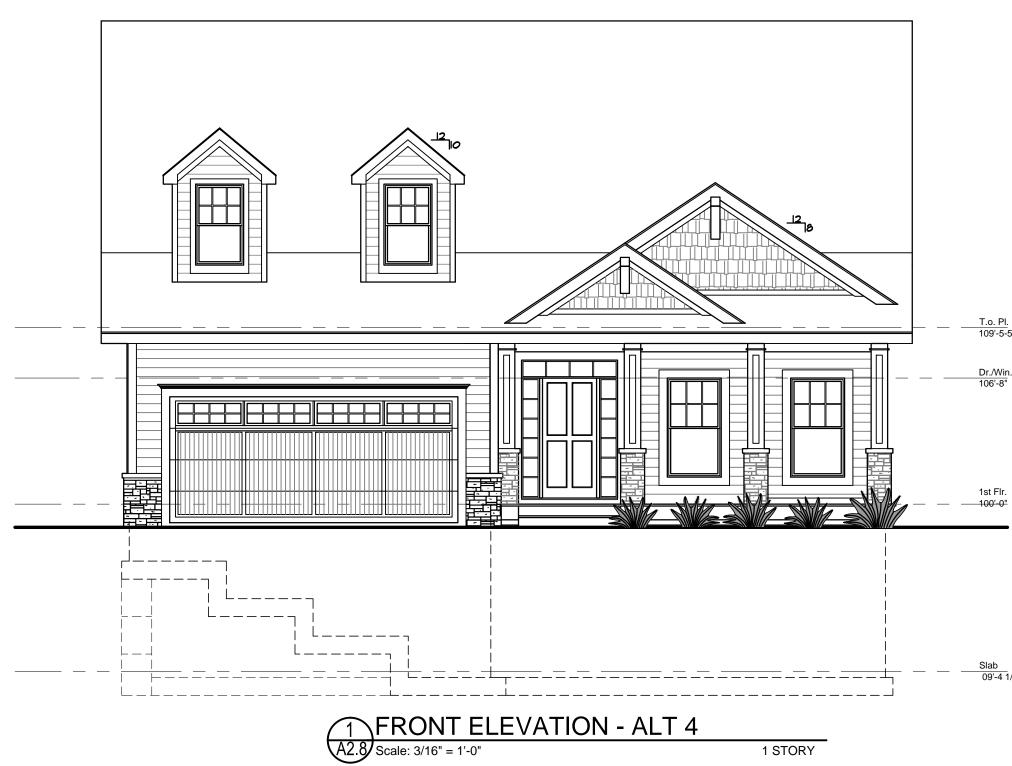
JBMA Project No.

REVIEW

08.24.21

1st Flr. 100'-0"

Dr./Win. 106'-8"



Slab 09'-4 1/2"

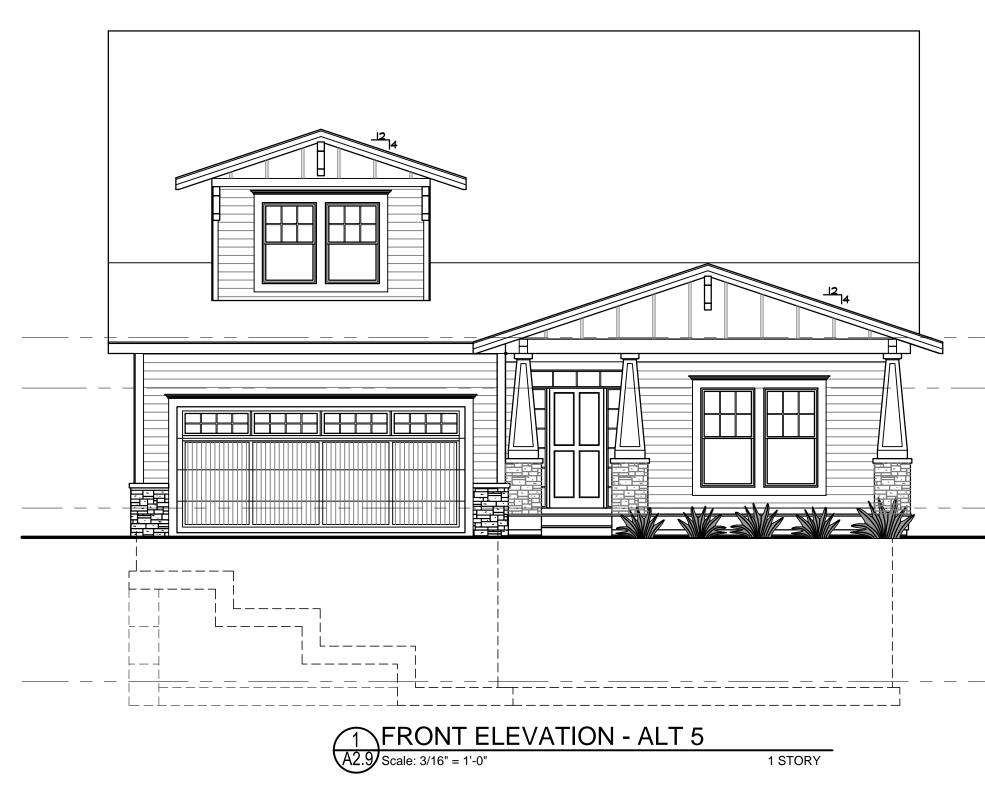
JBMA Project No.

Front Elevation Alt 4

REVIEW

08.24.21

1st Flr. 100'-0"



Slab 09'-4 1/2"

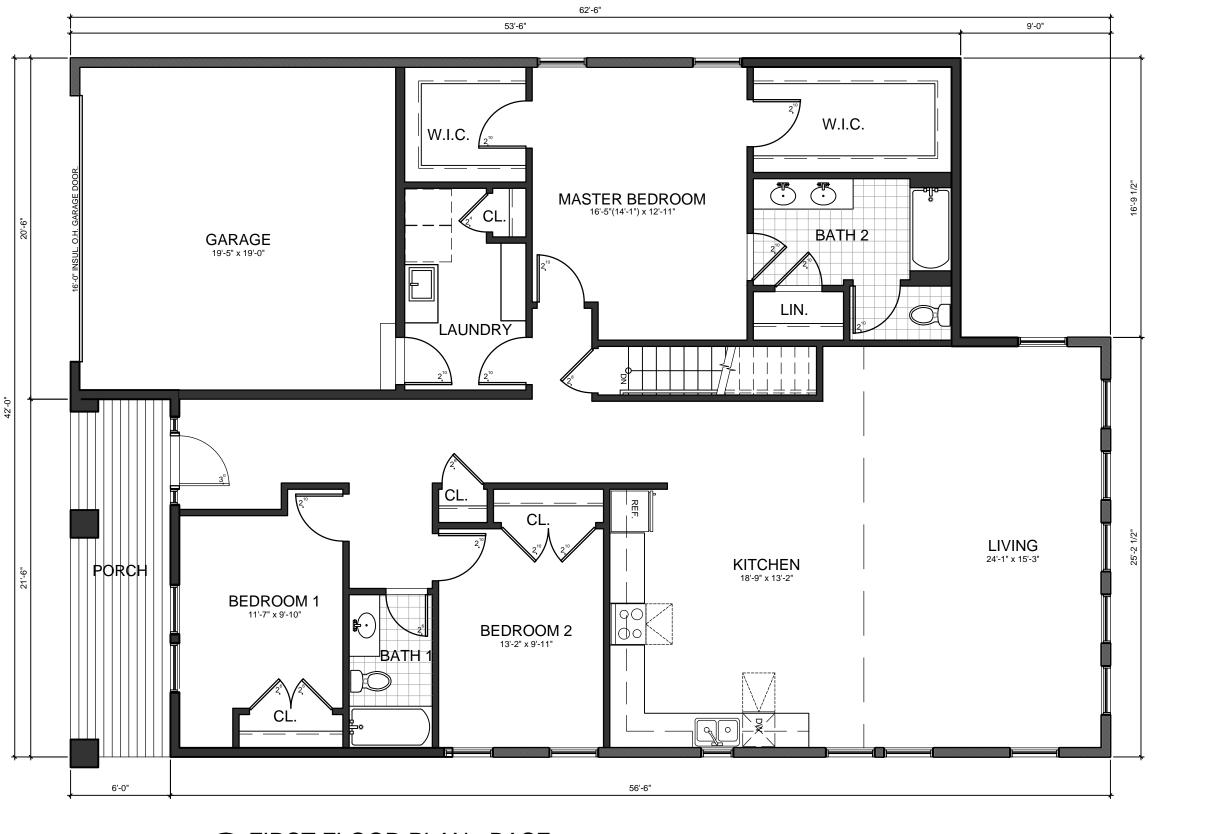
> Front Elevation Alt 5

08.24.21

REVIEW

1st Flr. 100'-0"

Dr./Win. 106'-8"



 1
 FIRST FLOOR PLAN - BASE

 A1.1
 Scale: 3/16" = 1'-0"

1 STORY

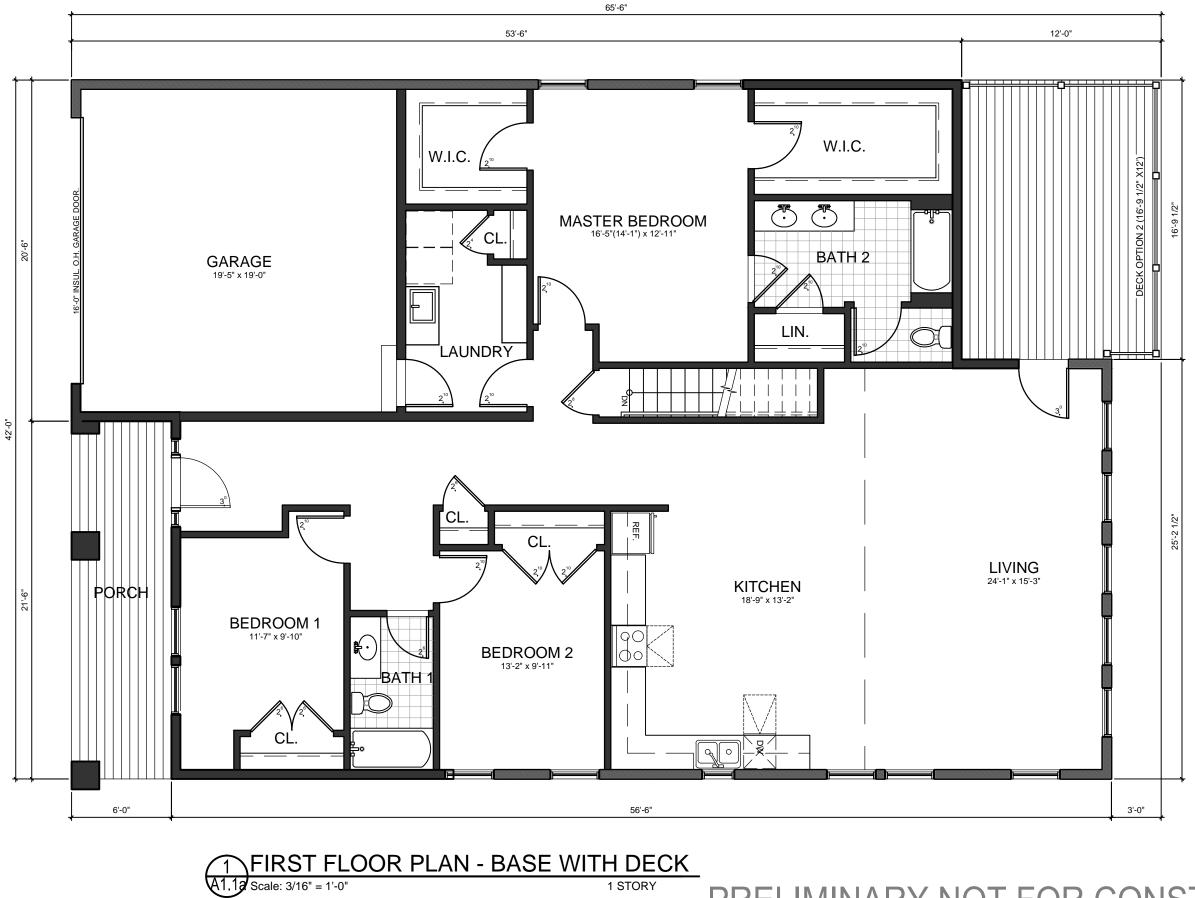


First Floor Plan Base

JBMA Project No.

REVIEW	08.16.2







First Floor Plan Base with Deck

08.16

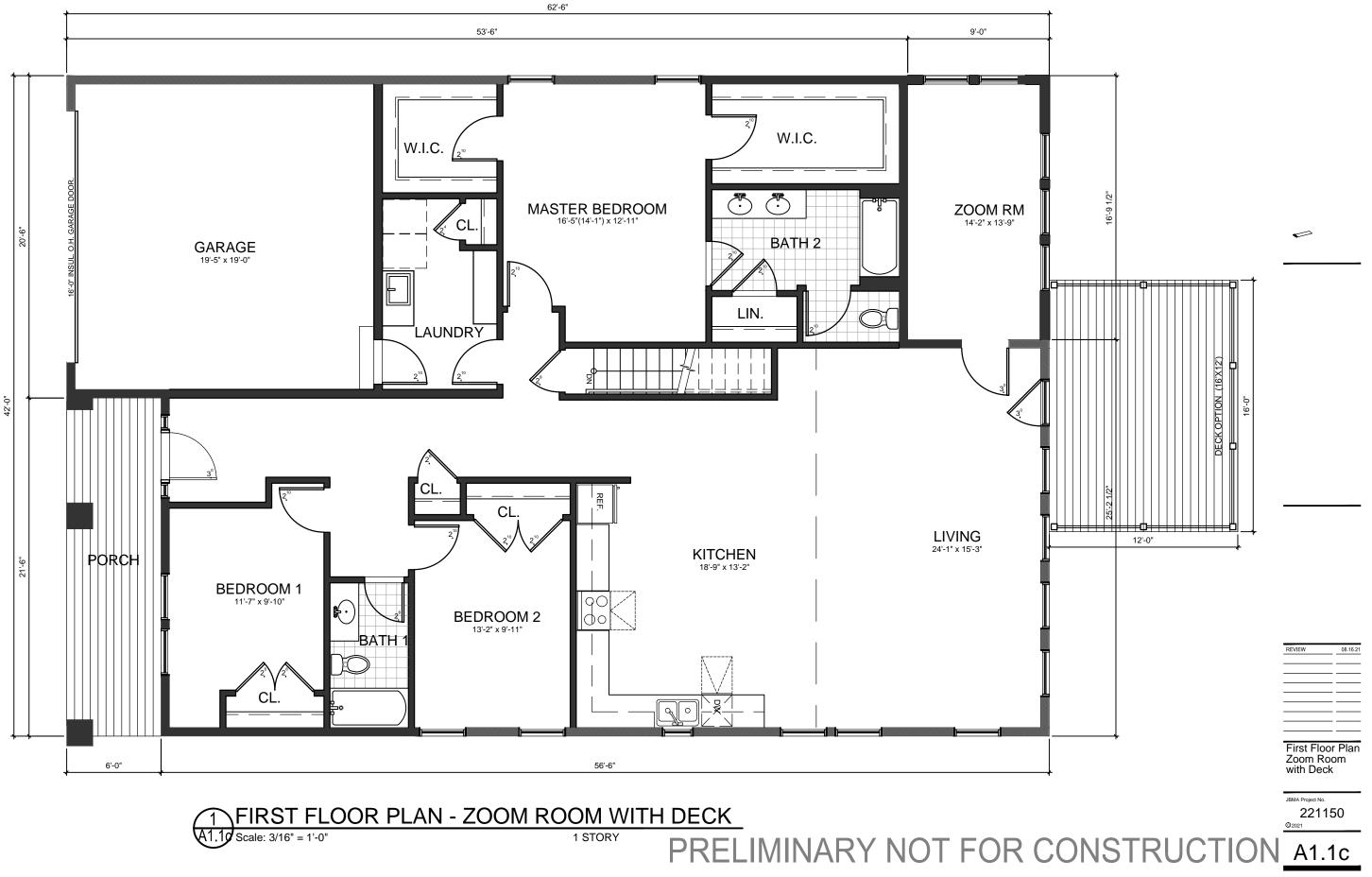


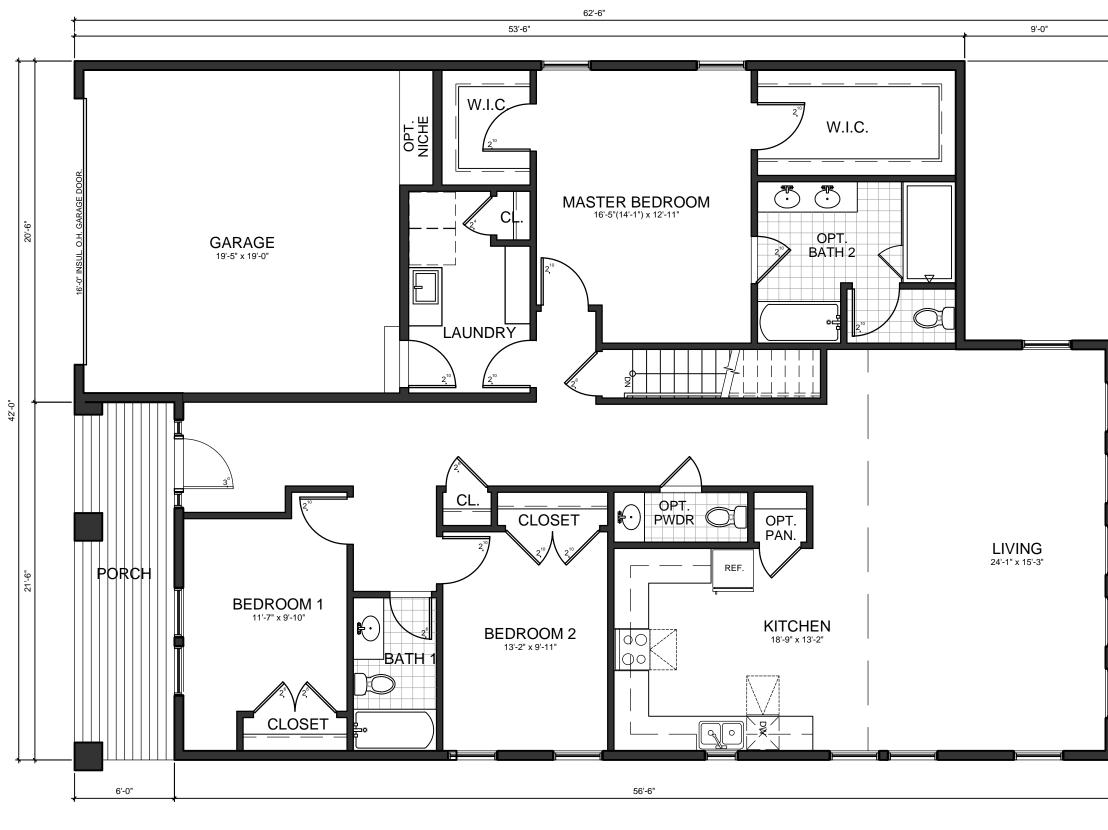


First Floor Plan Zoom Room

JBMA Project No.

REVIEW	08.16.21





 1
 FIRST FLOOR PLAN - BASE - INTERIOR LAYOUT OPTIONS

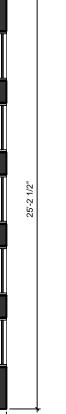
 A1.10
 Scale: 3/16" = 1'-0"



First Floor Plan Base - Interior Layout Options

JBMA Project No.

REVIEW	08.16.2



2

16'-9





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Jackie, thank you for providing the information regarding the Eckford Woods project and it's proposed date being delayed until after feb 3 in front of the planning board. As I explained to you when I came into the city, this project in addition to the yet to be proposed project across Eckford (the prior Darcy properties now owned by Mondrian properties LLC). I would like to provide the following preliminary comments should I some how miss the planning meeting.

I have spoken to Mr Savidant on a few occasions regarding both projects and although the Eckford woods project does show functional use of the land as well as represent quite a substantial additional tax revenue for the city, it does not fit the current typical property definitions for the street. We have all heard the old saying In real estate it all boils down to three things... Location, location, location. This builder recognizes this. That is why he is seeking to build where he is, it represents a very lucrative unique project in the city of Troy, within the highly desirable Troy high school limits. I recognize that it would adversely effect my property value in a number of ways.

1. The project (further impacted by the additional project across the street). Will completely change the look and feel of our small street. This portion of the street is currently composed of lots approximately 1 acre in size and the plans I have seen for the Eckford Woods (EW) reduce that to lots conciderably smaller in size (approx 1/4 acre or less)

2. Our quaint dirt road will be required to be paved by the builders.

3. My lot and property will be sandwiched between the existing subdivision on my west, the newly proposed subdivision on the east and looking out my front door the yet to be proposed subdivision. Even the representative for Eckford Woods indicated that my property will be an island in a sea of new construction/new housing when completed.

4. Traffic will increase dramatically on our street due to the additional housing, and due to the removal of the dirt portion of the road, cut through traffic between Rochester rd, and Livernois road will increase as well.

5. I was approached by the builders agent regarding purchasing my property and to see if we would be interested in selling thus in effect flowing from the existing subdivision on the west side into a common style area through the end of (EW) but they are only willing to pay for the value of the land and do not recognize that to accept this for my 3200 sf home with its 6 car garage and 2 acres is well below market value. Indicating the only thing they are interested in was the land . (had I owned a small house, this would not have been a concern as the land value would have far exceeded the house value). And in fact the offer I received from them was originally almost 20% below the offer I received when Plulti builders were intending on building on the property 3 years ago (I do believe that all of us would agree that values in Troy have gone up dramatically within the last 3 years). I do believe that one thing all of us in the room will agree upon is the fact that property values have gone up dramatically within the last 3 years).

We have all seen it before, driven down a street and see a home surrounded by either a sub division, buildings, or some other type of improvement and thought that the owners were stupid for not selling when that construction

around them was being done. In my own mind I've thought that the owners must have been attempting to get astronomical amounts for their property to be included. I can assure you that in this instance, this is not the case. I derived my value by common real estate practices of looking to similar sized homes, took the average sale price then discounted that by the fact that I would not be required to pay real estate commissions. I did not account for the size of my garage, nor the additional out builder or many other factors when proposing my value.

As proof of this, I offer up 5 property addresses on Larchwood on the west side of John R road. 1910, 1920, 1930, 1950, and 1970 Larchwood. Each of these residential homes (that were originally on a residential street) are now surrounded by commercial properties. Each of these properties are in effect not able to be sold and have in fact been rental since as far back as I can research. Each of these house owners have attempt d to sell their homes multiple times. Only to find that they are unsuccessful to receive any offers remotely near prevailing rates. In addition, I myself have argued this with the city council back in the early 90's. The property next to my then first home (31 Cloveridge) was being bought by the owner of the commercial property next to it on Livernois. City council argued with me indicating that a parking lot and brick wall was much better for my property values than the existing home was. I have attempted many times to sell my home (47 Cloveridge). But the prevailing reason I receive as the primary turn off to the house is the parking lot and brick wall that I am now stuck with. If I have received offered on the home they are typically 30% and in some cases up to 50% below market value. All of the offers I have received have been from investment companies with multiple rental properties. If allowed to build this project as currently proposed, this builder will in fact indirectly steal most of the appreciation in my property. The issue with this is I had intended on moving within the next 5 years anyway (I am getting older and no longer need the space this house has). but when I do, exactly who can I hold accountable for the decline in my property's value once the builder has completed this project taken his (and my) profits and moved to the next area? The city will shrug their shoulders and indicate that being locked between these subdivision did not adversely effect my value and (if anything) will attempt to point to some other unknown factors. The builder will be nowhere to be found and I will be left with a property that was once considered "living the dream" by one of the members on this board.

Just so you don't misunderstand, I recognize that Eckford will be developed at some point in time (most likely soon since this builder does own the property) but, I suggest that if they are unwilling to take the bad with the good, that they build properties lot that are comparable to the ones surrounding the land they intend to build on (as I stated prior approx 1 acre in size). This will ensure that they will not adversely effect any other property owners values and would be considered an acceptable compromise to me. (they currently own approx 9 acres so 9-10 lots in lue of the 26 proposed).

Lastely, The builders agent has indicated that this is a done deal with the city, I pray that is not the case. I hope you take my concerns seriously, and not just the additional tax dollars into account when looking at this project as well as other proposed projects in the area.

Thank you for the opportunity to provide this feedback,

Anthony Kapas Owner / resident 501 Eckford, Troy mi