SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION SUPERIOR TOWNSHIP HALL 3040 N. PROSPECT, SUPERIOR TOWNSHIP, MI 48198 AGENDA MARCH 22, 2023

- 1. CALL TO ORDER
- 2. ROLL CALL
- 3. DETERMINATION OF QUORUM
- 4. ADOPTION OF AGENDA
- 5. APPROVAL OF MINUTES
 - A. Approval of the February 22, 2023, Regular Meeting Minutes
- 6. CITIZEN PARTICIPATION
- 7. CORRESPONDENCE
- 8. PUBLIC HEARINGS, DELIBERATIONS AND ACTIONS
- 9. **REPORTS**
 - A. Building Department Report
 - B. Zoning Administrator Report
- 10. OLD BUSINESS
- 11. NEW BUSINESS
 - A. STPC 23-01 Huron Dental Preliminary Site Plan
 - B. STPC 23-02 Huron Gastro Center for Digestive Care Minor Site Plan Amendment
- 12. POLICY DISCUSSION
 - A. OHM Presentation of Preliminary Design for Plymouth Road Pathway
- 13. ADJOURNMENT

Thomas Brennan III, Commission Secretary 3040 N. Prospect, Ypsilanti, MI 48198

Laura Bennett, Planning & Zoning Administrator 734-482-6099

SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION FEBRUARY 01, 2023 DRAFT MINUTES Page 1 of 10

1. CALL TO ORDER

Chairman Gardner called the regular meeting to order at 7:00 p.m.

2. ROLL CALL

The following members were present: Brennan, Dabish-Yahkind, Findley, Gardner, McGill, Sanii-Yahyai, Steele. Also present was Ben Carlisle, Carlisle Wortman; and George Tsakoff, OHM.

3. DETERMINATION OF QUORUM

A quorum was present.

4. ADOPTION OF AGENDA

A motion was made by Commissioner Brennan and supported by Commissioner Sanii-Yahyai to adopt the agenda as presented. The motion carried.

5. APPROVAL OF MINUTES

A. Minutes of the November 16, 2022 Meeting

A motion was made by Commissioner Brennan and supported by Commissioner Sanii-Yahyai to approve the minutes as presented. The motion carried.

6. CITIZEN PARTICIPATION

None.

7. CORRESPONDENCE

None.

8. PUBLIC HEARINGS, DELIBERATIONS AND ACTIONS

None.

SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION FEBRUARY 01, 2023 DRAFT MINUTES Page 2 of 10

9. REPORTS

A. Ordinance Officer Report

A motion was made by Commissioner Brennan and supported by Commissioner Sanii-Yahyai to receive the report. The motion carried.

B. Building Department Report

A motion was made by Commissioner Brennan and supported by Commissioner Sanii-Yahyai to receive the report. The motion carried.

C. Zoning Administrator Report

A motion was made by Commissioner Brennan and supported by Commissioner Sanii-Yahyai to receive the report. The motion carried.

10. OLD BUSINESS

None.

11. NEW BUSINESS

A. STPC 23-01 Huron Dental Mixed-Use Development Pre-Application Conference.

Brent LaVanway, Boss Engineering, presented an overview of the site, located at 5387 Plymouth-Ann Arbor Road, to the Commissioners. Mr. LaVanway explained the main use for the building will be the dental office. There will also be two residential units above the dental office and two small commercial units on the ground floor.

Mr. LaVanway added the dental office has worked with the Washtenaw County Road Commission and the neighboring Arbor Hills Animal Clinic to have a shared driveway for the two businesses. Additionally, the Health Department has perk tested the site and given feedback for the septic location.

SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION FEBRUARY 01, 2023 DRAFT MINUTES Page 3 of 10

Mario Evangelista, Cassino Building, presented renderings of the proposed building to the Commissioners. This included elevations and floor plan.

Mr. Evangelista added the dental office is proposing significant landscape buffering along Church Street as well as an underground detention system to culvert under the road.

Ben Carlisle reviewed the Planner's Report dated January 19, 2023.

Commissioner Brennan asked if the residential units would be general leasing.

Mr. Evangelista replied the units would be general leasing.

Commissioner Dabish-Yahkind understands it is a complicated site but wondered if the applicant could orient the building toward the street for more of a village feel.

The owner of the practice, Shyroze Rehemtulla, explained the building has many architectural elements so that the side facing Plymouth-Ann Arbor Road does not look like a blank wall.

Commissioner Dabish-Yahkind asked if the applicant had reached out to residents and business owners in the Dixboro Village area. She suggested they do reach out.

Mr. Evangelista reiterated that the property along Church Street will be heavily landscaped, with neighboring residents in mind.

Commissioner Brennan remarked favorably on the architecture of the building.

Commissioner Findley inquired about what kind of retail would be in the commercial offices attached to the dental office.

Dr. Rehemtulla replied there would be medical-based office in one, and she would like the other office to have a retail-based shop with "giftables." Commissioner Dabish-Yahkind noted in the Planner's report there was mention of the reduction of parking spaces. She inquired about how many spaces the parking could be reduced.

Mr. Carlisle replied parking could potentially be reduced by five to six parking spaces, but the Planning Commission would need to know more about what kind of businesses would occupy the retail component of the building. Different commercial uses require a different amount of parking spaces based on the Zoning Ordinance.

Commissioner Dabish-Yahkind asked if there were concerns about elevations.

Mr. Carlisle replied building frontage on Plymouth Road needs to look like a front of a building and not the side.

George Tsakoff asked the applicant's engineer if he talked to the Washtenaw County Water Resources Commissioner's Office about storm water piping and detention.

Mr. LaVanway replied they had. He added that next steps have not been discussed, just infiltration. Mr. LaVanway also noted the applicant has met with the Washtenaw County Road Commission and items have been agreed upon, but there are no formal permits, yet.

Commissioner Gardner noted the plan shows the removal of some regulated trees. He asked the applicant if they had considered an alternative parking lot layout to avoid the removal of the regulated trees.

Mr. LaVanway stated they did look at other layouts, but the layout depicted on the site plan made the most sense with the building configuration and shared driveway. He added parking will be reduced if they have the ability to do so, especially near the trees in the northwest portion of the parking area.

Commissioner Dabish-Yahkind shared concerns that the side of the building fronting Plymouth Road gives the look of a small country club. She understands the lot is very tricky topographically, but she doesn't want the building to create a wall as drivers come around the curve of Plymouth-Ann Arbor Road. Mr. Evangelista explained he feels he was receiving mixed messages from the Township. He noted the Dixboro Design Review Board responded favorably to the proposed project, but it is sounding like the Planning Commission has some reservations.

Commissioner Sanii-Yahyai recommended the applicant talk to surrounding property owners to inform them of the project and get feedback.

Commissioner Findley, who also is on the Dixboro Design Review Board (DDRB), explained the DDRB overwhelmingly enjoyed the proposed project and drawings. She does not want the applicant to feel like they're receiving mixed messages.

Mr. Carlisle commented that the applicant did not "miss the mark" with their site plan. He stated the applicant now has comments from the Planning Commission they can take into consideration before submitting for preliminary site plan.

TC Collins asked if the walnut trees currently at the site could be transplanted. He indicated he would be very interested in them for the community garden.

Mr. LaVanway replied he will speak to the landscape architect for the project but believes they may be too large to transplant.

Commissioner Steele stated the replacement trees needed for the site could be placed on Township-owned property if the applicant is unable to put all of the trees back on the site. Additionally, money can be placed into a tree fund managed by Superior Township.

Mr. Evangelista inquired about the preliminary and final site plan process.

Mr. Carlisle recommend the applicant does not combine preliminary and final site plan due to the necessity of outside agency approvals by the final site plan stage.

It was noted staff could assist the applicant through the next steps and meet virtually prior to their submittal of preliminary site plan.

SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION FEBRUARY 01, 2023 DRAFT MINUTES Page 6 of 10

 B. TC Collins – Community Garden Presentation TC Collins, Willow Run Acres, presented his idea for a community garden located across three Township-owned parcels at the corner of Harris Road and MacArthur Blvd.

Mr. Collins explained the Watch Me Grow Center Garden and went on to speak on how he started a garden at Danbury Green Apartments.

He additionally explained Willow Run Acres is a non-profit organization that is community led and driven. One of his goals is to make a new model of the traditional farmer's markets.

Mr. Collins reiterated his organization would love to have the Black Walnut trees that are slated to be cut down from the Dental Office site, if they are able to be transplanted.

Commissioner Gardner asked Mr. Collins if residents would have individual plots at the community garden.

Mr. Collins replied there will be small plots available for rent, but the goal is to have people also working and volunteering at the farm. He really wants to get people interested in all steps, from planting to harvesting.

Mr. Gardner inquired about financial viability and sustainability.

Commissioner Findley replied the Board of Trustees are very interested in the project, and the organization will likely receive funds through American Rescue Plan Act (ARPA).

Jan Piert, who is also assisting with the startup of the community garden, stated the organization is asking for startup funding from the Township. Also, Washtenaw County officials have shown interest in the project and a willingness to help find additional funding and grant money.

Commissioner McGill asked what would happen at the community garden during the off season, whether there would be classes or canning of fruits and vegetables.

Mr. Collins replied there would be classes throughout the off season, including education on canning and seed saving. He added there would

be beehives at the back of the property, with proper fencing to keep individuals safe.

Commissioner Brennan added it is a great project and feels it would be very welcome into the community.

Commissioner Sanii-Yahyai agreed it is a great project. She asked the applicant to explain the role of Parks and Recreation with the project.

Mr. Collins explained Parks & Recreation would own and manage the land, but he would tend to the land and teach the classes.

Commissioner Gardner asked if any portion of the site would require a rezoning.

Mr. Carlisle replied the property directly at the corner is zoned PSP, and the northern parcel is zoned A-2, which are both fine. The interior lot to the south is currently zoned C-1, and depending on further details and the layout of the lot, a rezoning may be required.

Mr. Collins stated in three to five years he'd like to bring small alpacas and goats to the property for educational opportunities.

Mr. Carlisle noted staff can work through the details with the applicant to determine the proper zoning for the parcel.

Commissioner Gardner inquired about the former uses of the C-1 property.

It was explained the property was a former convenience store.

Commissioner Steele mentioned St. Joe's hospital has a similar garden project at The Farm, located on their campus. He added it might be worth the applicant checking out.

Commissioner McGill asked the total acreage of the sites.

Mr. Collins replied there are 3.1 acres total, but the usable acreage is about two acres.

The applicant also explained the garden would be a hands-on experience and a destination for families. Mr. Collins discussed plans for an orchard and the variety of the trees he hopes to plant.

Ms. Piert explained the Board of Trustees would like a memo of support from the Planning Commission since they are seeking ARPA funds for the startup.

Motion by Commissioner Brennan and supported by Commissioner Findley to direct Township staff to draft a memo on behalf of the Planning Commission in support of the Willow Run Acres community garden project to be located at the corner of Harris Road and MacArthur Boulevard, to be provided to the Board of Trustees at their meeting on February 21, 2023.

Roll Call Vote:

Yes:	Brennan, Dabish-Yahkind, Findley, Gardner, McGill, Sanii-
	Yahyai, Steele.
No:	None.
Abstain:	None.
Absent:	None.

The motion carried.

- 12. POLICY DISCUSSION
- A. Adoption of the 2023 Meeting Schedule

A motion was made by Commissioner Brennan and supported by Commissioner Sanii-Yahyai to adopt the 2023 Planning Commission Meeting Schedule.

The motion carried.

B. Election of Officers for 2023

Motion by Commissioner Sanii-Yahyai and supported by Commissioner Findley to nominate Jay Gardner as Chair of the Planning Commission.

SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION FEBRUARY 01, 2023 DRAFT MINUTES Page 9 of 10

Motion by Commissioner Sanii-Yahyai and supported by Commissioner Brennan to nominate Dr. Rob Steele as Vice-Chair of the Planning Commission.

Motion by Commissioner Sanii-Yahyai and supported by Commissioner Gardner to nominate Tom Brennan as the Secretary of the Planning Commission.

The nominations carried by voice vote.

C. Dixboro Corridor Pedestrian/Road Safety

Commissioner Dabish-Yahkind reported she's heard many concerns about pedestrian safety in the Dixboro area. She is interested in hosting a policy discussion about the issue or recommending such a discussion to the Board of Trustees. She added she has spoken to the Washtenaw County Road Commission, and they have been unresponsive.

Mr. Tsakoff replied to Commissioner Dabish-Yahkind, stating the Plymouth Road pathway is currently being designed and permits should be issued this summer. He added the pathway will be installed next year at the latest.

Commissioner Gardner noted the Planning Commission has discussed the issue at their meetings before and they've always run up against the Washtenaw County Road Commission.

Commissioner Dabish-Yahkind feels there are options to calm traffic in the Dixboro Area.

Mr. Tsakoff agreed there are many traffic calming options, but although the County may issue permits, they may not pay for any of it. He stated he can look for grant opportunities.

Mr. Carlisle explained the Washtenaw County Road Commission is more likely to respond if the Township comes to them with a plan. The Master Plan is close to being adopted, and once that happens the Township can take the plan to the Road Commission. He added that one whole section of the Master Plan addresses improvements in the Dixboro area.

SUPERIOR CHARTER TOWNSHIP PLANNING COMMISSION FEBRUARY 01, 2023 DRAFT MINUTES Page 10 of 10

D. Master Plan Update

Mr. Carlisle reported the goal is to have a draft of the Master Plan ready to review by March. He explained census data is slated to be released by June, but it could be pushed back again. He further explained it is not generally good practice to adopt a Master Plan without the new census data. He suggested the Township move forward adopting the Master Plan with the data that is currently available and do an analysis once the new data is released.

Commissioner Findley added the Southeast Michigan Council of Governments (SEMCOG) provides local census data and has been made available for some time.

Commissioner Gardner inquired about the process for approving the Master Plan.

Mr. Carlisle explained the Master Plan Steering Committee would review the documents first, and then it would be presented to the Planning Commission for review. Additionally, a special meeting of the Planning Commission could be held just to discuss the Master Plan draft.

13. ADJOURNMENT

Motion by Commissioner Brennan, supported by Commissioner Findley to adjourn.

Motion Carried.

The meeting was adjourned at 8:50 pm.

Respectfully submitted, Thomas Brennan III, Planning Commission Secretary

Laura Bennett, Recording Secretary Superior Charter Township 3040 N. Prospect Rd. Ypsilanti, MI 48198 (734) 482-6099

SUPERIOR TOWNSHIP BUILDING DEPARTMENT MONTH-END REPORT Feb 2023

Category	Estimated Cost	Permit Fee	Number of Permits
Com/Multi-Family Renovations	\$42,338.00	\$275.00	1
Electrical	\$0.00	\$2,515.00	18
Mechanical	\$0.00	\$4,856.00	37
Plumbing	\$0.00	\$2,809.00	16
Res-Additions (Inc. Garages)	\$29,678.00	\$193.00	1
Res-Manufactured/Modular	\$100,000.00	\$300.00	2
Res-Renovations	\$189,195.00	\$1,277.00	5
Totals	\$361,211.00	\$12,225.00	80

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SUPERIOR TOWNSHIP BUILDING DEPARTMENT YEAR-TO-DATE REPORT

January 2022 To Date

Category	Estimated Cost	Permit Fee	Number of Permits
Com/Multi-Family Renovations	\$42,338.00	\$275.00	1
Com-Other Non-Building	\$10,000.00	\$100.00	1
Electrical	\$0.00	\$5,364.00	46
Mechanical	\$0.00	\$10,484.00	79
Plumbing	\$0.00	\$4,297.00	29
Res-Additions (Inc. Garages)	\$189,678.00	\$1,233.00	4
Res-Manufactured/Modular	\$100,000.00	\$300.00	2
Res-Other Building	\$18,391.00	\$200.00	2
Res-Renovations	\$568,750.00	\$3,897.00	12
Totals	\$929,157.00	\$26,150.00	176

Zoning Report

3/22/2023 Laura Bennett, Planning & Zoning Administrator

Superior Storage

Paul Montagno and I met virtually with Rob Lucas, the owner of 10190 Plymouth-Ann Arbor Road. He informed us that he is considering continuing with plans for RV storage and mini storage at the site. His goal is to be able to repurpose existing buildings on the site, and this project would require a rezoning to C-2. We recommended Mr. Lucas come to the Planning Commission in April or May for a Pre-Application Conference to present his idea.

Garrett's Space

Garrett's Space engineers have informed me that they will be submitting for combined Area Plan/Rezoning in mid-March. If the plans are satisfactory, we will bring the project to the Planning Commission for a public hearing in April.

Clay Hill Farm Market

We have met with TC Collins and his group for the proposed community garden located at the corner of Harris Road and MacArthur Blvd. They are moving forward with the rezoning of the three township-owned parcels, and we will likely have an application to review at the April Planning Commission meeting.

Prospect Pointe West – Phase 1

PPW Phase 1 has received EGLE permits, and Atwell will be submitting a final site plan for review soon. This phase includes 39 homes.

Superior Township Site Plan Review Application Page 1 of 5 Revised 04/30/19

SITE PLAN REVIEW APPLICATION

(This application must be typewritten or printed. All questions must be answered.)

APPLICANT NAME _____

NAME OF PROPOSED DEVELOPMENT

APPLYING FOR PRELIMINARY SITE PLAN FINAL SITE PLAN COMBINED PRELIMINARY AND FINAL SITE PLAN (Combination is at discretion of Planning Commission) MINOR SITE PLAN MAJOR/MINOR CHANGE DETERMINATION ADMINISTRATIVE REVIEW

WILL PROJECT BE PHASED?
vicitation YES
vicitation NO

IF PROJECT IS PHASED COMPLETE THE FOLLOWING:

- Total number of phases ______
- Phase number of current application ______
- Name and date of preliminary site plan approval
 - Date of Previous Phase Approvals:

 Phase #

 Date

 Phase #

 Date

 Phase #

 Date

SEEKING ADDITIONAL APPROVAL FOR A CONDITIONAL USE Q YES Q NO

Signature of the Clerk or Designee

Date of Receipt of Application

٠

Amount of Fee

Superior Charter Township, 3040 N. Prospect Rd., Ypsilanti, MI 48198 Telephone: 734-482-6099 Website: superiortownship.org Fax 734-482-3842

GENERAL INFORMATION

•	Name of Proposed Development
•	Address of Property
•	Current Zoning District Classification of Property
	Is the zoning classification a Special District as defined by Article 7 ?
•	Has this property been the subject of a rezoning request, Zoning Board of Appeals petition or other Township action with the past five (5) years? \Box YES \Box NO
	Please explain
•	Tax ID Number(s) of property
•	Site Location - Property is located on (circle one) N S E W side of Road between Roads.
•	Legal Description of Property (please attach a separate sheet) Where a metes and bounds description is used, lot line angles or bearings shall be indicated on the plan. Lot line dimensions and angles or bearings shall be based upon a boundary survey prepared by a registered surveyor and shall correlate with the legal description.
Site Ar	ea (Acreage) and Dimensions
•	Are there any existing structures on the property? YES NO Please explain:

PROPOSED LAND USE

□ Residential	□ Office		□ Other
If other, please specif	fy		
• Number of units			
• Give a complete d	lescription of the prop	osed development.	
	ESTIMA	ATED COSTS	
• Buildings and oth	or structures		
 Buildings and out 	er suructures		

- Site improvements ______
- Landscaping ______
- Total _____

ESTIMATED DATES OF CONSTRUCTION

- Initial construction ______
- Project completion _____
- Completion of subsequent phases. (IF APPLICABLE)______
- Estimated date of first occupancy ______

IDENTIFY EACH DRAWING SUBMITTED BY NAME OF PLAN OR DRAWING, DATE AND DRAWING NUMBER (ATTACH ADDITIONAL SHEET IF NECESSARY)

Superior Charter Township, 3040 N. Prospect Rd., Ypsilanti, MI 48198 Telephone: 734-482-6099 Website: superiortownship.org Fax 734-482-3842

Superior Township Site Plan Review Application Page 4 of 5 Revised 04/30/19

APPLICANT INFORMATION

•	APPLICANTS NAME	
	Company	
	Address	
	Telephone Number	Email
•	PROPERTY OWNER'S NAME	
	Company	
	Address	
	Telephone Number	Email
•	DEVELOPER'S NAME	
	Company	
	Address	
	Telephone Number	Email
•	ENGINEER'S NAME	
	Company	
	Address	
	Telephone Number	Email
•	ARCHITECT/PLANNER'S NAME	
	Company	
	Address	
	Telephone Number Superior Charter Township, 3040 N. Prospe	

Telephone: 734-482-6099 Website: superiortownship.org Fax 734-482-3842

Superior Township Site Plan Review Application Page 5 of 5 Revised 04/30/19

The applicant indicated on page 4 must sign this application. All correspondence regarding the application and plan will be directed to the applicant. If the applicant is not the property owner, the owner's signed consent must also be provided with this application.

APPLICANT'S DEPOSITION

I hereby depose and certify that all information contained in this application, all accompanying plans and all attachments are complete and accurate to the best of my knowledge.

PPLICANT'S PRINTED NAME: Shyroze Rehemtulla		mtulla
APPLICANT'S SIGNATURE _		DATE 2/21/2023
	Ron Colmo	r\/

PROPERTY OWNER'S PRINTED NAME Ben Colmery

PROPERTY OWNER'S SIGNATURE _____ DATE_____

Superior Township Site Plan Review Application Page 5 of 5 Revised 04/30/19

The applicant indicated on page 4 must sign this application. All correspondence regarding the application and plan will be directed to the applicant. If the applicant is not the property owner, the owner's signed consent must also be provided with this application.

APPLICANT'S DEPOSITION

I hereby depose and certify that all information contained in this application, all accompanying plans and all attachments are complete and accurate to the best of my knowledge.

APPLICANT'S PRINTED NAME: Shyroze Rehe APPLICANT'S SIGNATURE	DATE
PROPERTY OWNER'S PRINTED NAME PROPERTY OWNER'S SIGNATURE	DATE 2/21/2023

Superior Charter Township, 3040 N. Prospect Rd., Ypsilanti, MI 48198 Telephone: 734-482-6099 Website: superiortownship.org Fax 734-482-3842



42732 Van Dyke Avenue Sterling Heights, MI 48314 Phone: 586-323-4462 Fax: 586-323-3138

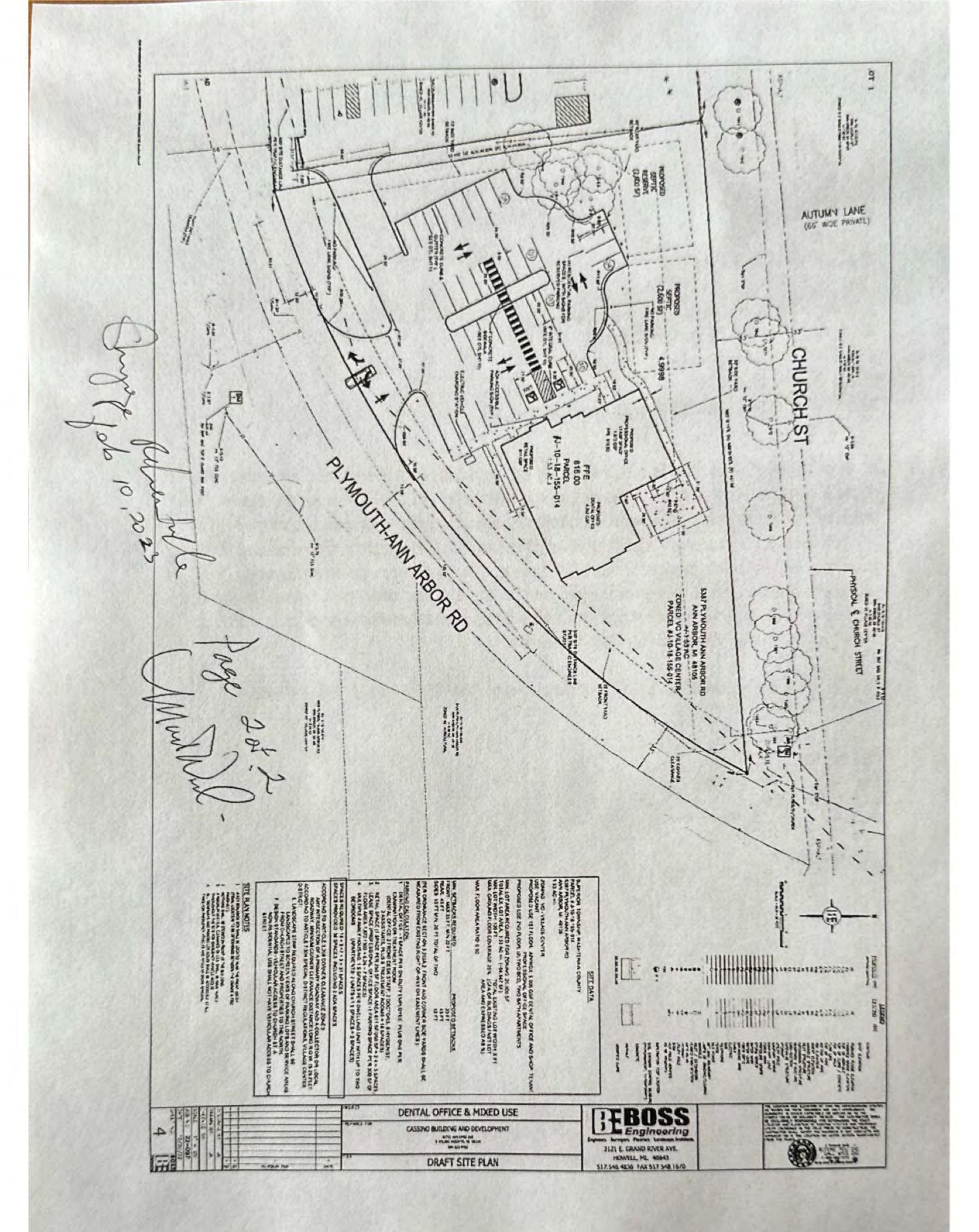
To whom it may concern,

I, \underline{BENH} . Co \underline{LmEN} \underline{III} current property owner of 5387 Plymouth Rd, Superior Township, MI, give Dr. Shyroze Rehemtulla, Cassino Building and Development, and Boss Engineering consent to submit a site plan for approval to Superior Charter Township Planning Commission for the address listed above.

Sign:	AS
Print:	BEN H. COLMARY WE
Date:	2/6/2023

Property Owner Address: 5740 PLYMOUTH RS, ANNARBOR 48105

Property Owner Phone #: 734 645 9162





- To: Mr. Mario Evangelista Jr. Cassino Building & Development
- From: Steven J. Russo, PE Transportation Engineer

- Re: Mixed-Use Development Superior Twp., MI Traffic Memo
- Date: August 19, 2022

INTRODUCTION

This memorandum presents the results of a turn lane warrant and sight distance evaluation for the proposed mixeduse development project at 5387 Plymouth Road in Superior Township, Washtenaw County, Michigan. The project site is located in the southwest quadrant of the Plymouth Road & Church Road intersection and is currently vacant. The proposed development project involves construction of a 4,070 SF dental office, 1,486 SF of retail space, and two apartment units. Site access is proposed via one driveway to Plymouth Road aligned with the Dixboro Project Restaurant Drive.

In the vicinity of the site, Plymouth Road is a two-lane road under jurisdiction of the Washtenaw County Road Commission (WCRC); whereby access permitting will be subject to WCRC review and standards. In accordance with WCRC standards, a turn lane warrant analysis and sight distance evaluation has been requested for the proposed site driveway as a requirement for project approval. Additionally, the project will be subject to Township review and standards through the site plan approval process. The purpose of this study is to determine if right-turn deceleration lanes and/or passing lanes are warranted at the site driveway based on the warranting criteria outlined in the WCRC *Procedures & Regulations for Permit Activities*.

TURN LANE WARRANT ANALYSIS

Existing weekday AM (7:00 AM to 9:00 AM) and PM (4:00 PM to 6:00 PM) turning movement counts were collected at the intersection of Plymouth Road & Dixboro Project Drive on Wednesday, July 13th, 2022. Counts were collected by Bergmann during typical traffic conditions. Data were collected in 15-minute intervals to establish the current peak hour traffic volumes. Major weather events, holidays, and other local special events were avoided. An ambient growth factor was applied to the 2022 traffic volumes to account for future projects in the study area and population increases, as well as growth in regular traffic volumes due to development projects outside the study area. A 1.0% per year growth rate was determined to be appropriate for this study and this rate was therefore applied to the 2022 traffic volumes for a period of one year (2023 Buildout). The resulting no-build traffic volumes are summarized on the attached **Figure 1**.

The volume of peak hour turns was determined based on the number of vehicle trips that would be generated by the proposed development and existing traffic patterns. The number of site-generated trips was forecast based on the rates and equations published by the Institute of Transportation Engineers (ITE) in *Trip Generation*, *11th Edition*. The proposed apartments are best represented by ITE land use 220 – Multifamily Housing (Low-Rise). Due to the relatively small size of the number of apartment units as compared to the ITE data set, the average trip generation rate was referenced as opposed to the fitted curve equation. The proposed dental office is best represented by ITE land use 720 – Medical-Dental Office Building and the proposed retail space is best represented by ITE land use 822 – Strip Retail Plaza (<40k). For these land uses trip generation was calculated using the fitted curve equations in accordance with ITE methodology.

As is typical of most retail uses, a portion of the site-generated trips are already present on the adjacent road network and are interrupted to visit the site. These trips are known as "pass-by" trips, which create turning movements at the site driveways, but do not increase traffic volumes on the adjacent road network or off-site



intersections. ITE publishes pass-by rates for various retail land uses in the *Trip Generation Handbook, 3rd Edition;* however, ITE does not publish data for land use 822. Therefore, the best available data for land use 820 – Shopping Center was utilized and indicates 34% of PM retail traffic is expected to be pass-by in nature. ITE does not publish pass-by data for the AM peak hour. Therefore, conservatively no pass-by trips were assumed to occur during the AM period. The resultant trip generation forecast for the proposed development is shown in **Table 1**.

Land Use	ITE	Amount	Units	Average	AM	Peak	Hour	PM Peak Hour		
Land Ose	Code	Amount	Units	Daily Traffic	In	Out	Total	In	Out	Total
Multifamily Housing (Low-Rise)	220	2	D.U.	13	0	1	1	1	0	1
Medical Office	720	4,070	SF	147	11	3	14	4	9	13
		1,486	SF	81	5	3	8	10	10	20
Retail	822	Pass-By (3	4%PM)	28	0	0	0	3	3	6
		New Trips		53	5	3	8	7	7	14
		Total T	rips	241	16	7	23	15	19	34
TOTAL	Pass-By	Trips	28	0	0	0	3	3	6	
	New T	rips	213	16	7	23	12	16	28	

Table 1: Site Trip Generation

The ITE data indicates that the proposed development will generate a maximum of 16 inbound trips during the peak hour. The vehicle trips that would be generated by the proposed development were assigned to the study road network based on existing peak hour traffic patterns, local population densities, and ITE methodologies. These methods indicate that pass-by trips enter and exit the development in their original direction of travel and new trips will return to their direction of origin. Peak hour traffic volumes on Plymouth Road were reviewed together with local population densities to determine the origin and destinations of new site-generated traffic. Pass-by traffic was assumed to follow existing traffic patterns along Plymouth Road along the site frontage. The resulting trip distribution utilized in this study is summarized in **Table 2** and shown on the attached **Figure 1**.

	NEW TRIPS		PASS-BY TRIPS								
To/From	Via	AM/PM	From	То	Via	AM	PM				
East	Plymouth Road	45%	East	West	Plymouth Road	78%	29%				
West	Plymouth Road	55%	55% West East		Plymouth Road	22%	71%				
Total 100%					100%	100%					

Table 2: Site Trip Distribution

In order to determine the configuration of the proposed site driveway with Plymouth Road, WCRC warrants for right and left turn lanes were evaluated. According to WCRC Driveway Standards Section 3.14.1, MDOT warranting criteria shall be utilized in order to determine where turn lanes shall be required. Therefore, warrants for right and left turn lanes were evaluated in accordance with Sections 1.1.4 and 1.1.5 of the MDOT Geometric Design Guidance. The results of the analysis of these standards indicate that *neither a left turn lane nor right turn lane are warranted at the proposed site driveway*.

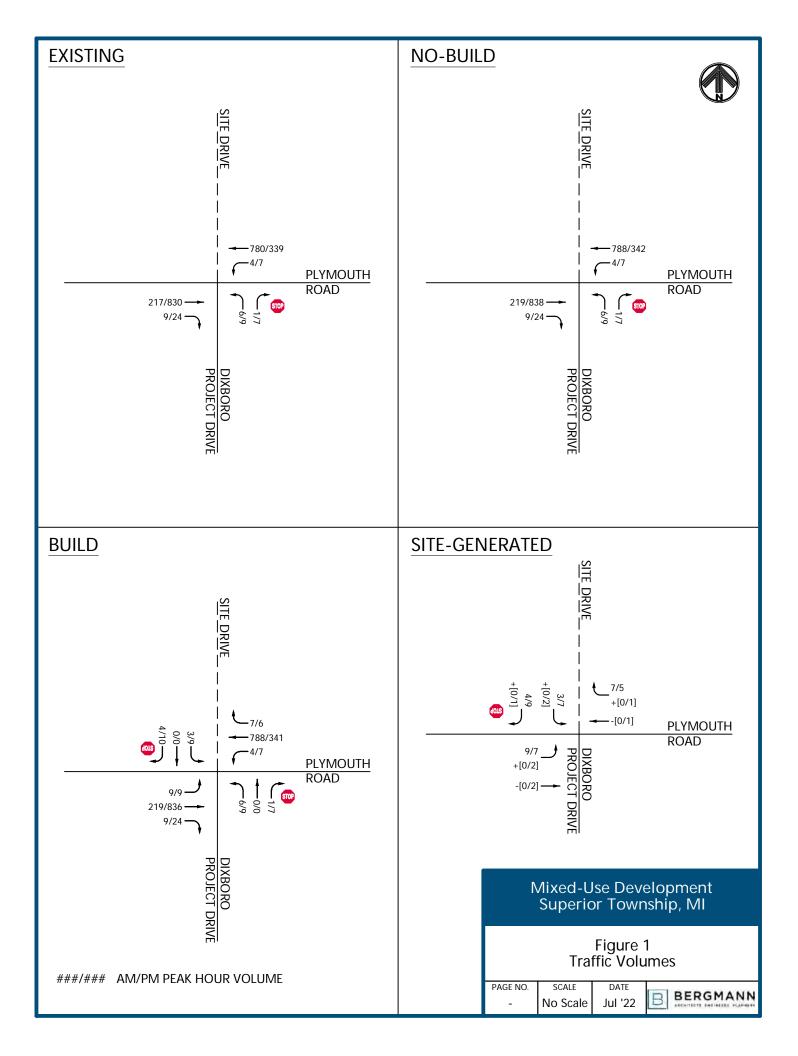
DRIVEWAY SIGHT DISTANCE

The intersection sight distance at the proposed site access location was evaluated based on current AASHTO guidelines. According to these requirements, the minimum sight distance is 500-feet based on the 45-mph posted speed limit. The sight distance evaluation is summarized on the attached Figure and indicate that the proposed site access location meets the minimum sight distance requirements. Vertical sight distance is adequate and sight triangles are free from obstructions.



The traffic data and turn lane warrant graphs are attached for reference to this memorandum. Any questions related to this memorandum, analyses, and results should be addressed to Bergmann.

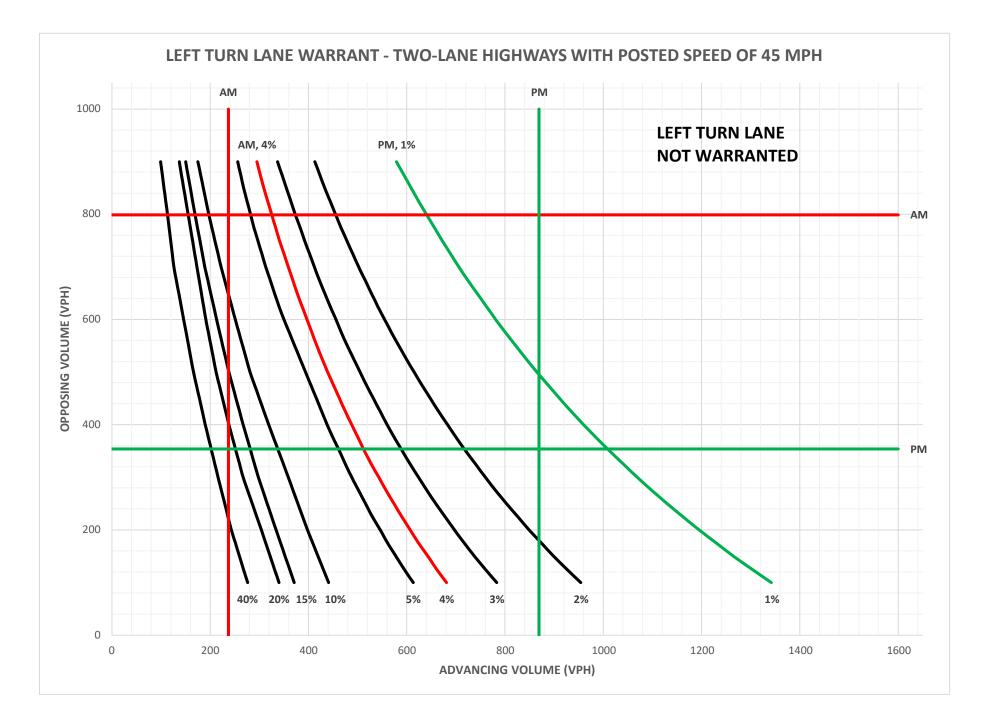
Attached: Figure 1 Existing Traffic Volume Data Turn Lane Warrants Sight Distance Figure



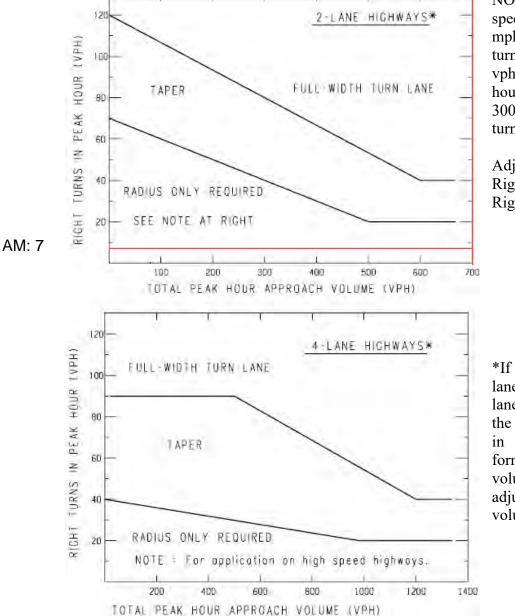
Location: Plymouth Road & Dixboro Project Drive City/Twp: Superior Township, MI Date: 07/13/2022 (Wednesday) Weather: Clear Collected By: Bergmann

	E	Eastbo	und Pl	ymout	h	Northbound Dixboro Project					Westbound Plymouth					Southbound					Intersection Hourly Summary	
Start Time	Left	Thru	Right	Total	Peds	Left	Thru	Right	Total	Peds	Left	Thru	Right	Total	Peds	Left	Thru	Right	Total	Peds	Vehicles	Peak
7:00 AM 7:15 AM 7:30 AM 7:45 AM 8:00 AM 8:15 AM 8:30 AM 8:45 AM	0 0 0 0 0 0 0	31 52 49 48 52 68	3 0 2	32 32 53 52 48 54 72 56	0 0 0 0 0 0 0	0 0 0 3 2 1 5	0 0 0 0 0 0 0	0 3 0 0 1 0 0	0 3 0 3 3 3 1 5	0 0 0 0 0 0 0	0 2 0 0 1 2 4	102 131 129 211 186 204 179 180	0 0 0 0 0 0 0	102 133 129 211 186 205 181 184	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 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	747 F 850 1 944 1016 998	
AM Peak PHF	0		9 0.78	226	0	6	0	1 0.58	7	0	3	780	0 0.93	783	0	0	0 #	0 #DIV/0!	0	0		
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM	0 0 0 0 0 0 0 0	167 211 178 197 239 216		172 213 186 202	0 0 0 0 0 0 0	3 2 1 3 2 2 2 4	0 0 0 0 0 0 0 0	1 1 2 3 2 1 1 2	4 3 6 4 3 3 6		0 1 2 3 1 1 0	88 88 84 73 75 90 101 89	0 0 0 0 0 0 0	88 89 85 75 78 91 102 89	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 0 0 0 0 0	1087 F 1116 1 1189 1216 1166	
PM Peak PHF	0	830	24 0.88	854	0	9	0	7 0.67	16	0	7	339	0 0.85	346	0	0	0 #	0 #DIV/0	0	0	<u> </u>	

PLYMOUTH ROAD & SITE DRIVE LEFT-TURN LANE WARRANT



PLYMOUTH ROAD & SITE DRIVE RIGHT-TURN LANE WARRANT



AM: 799

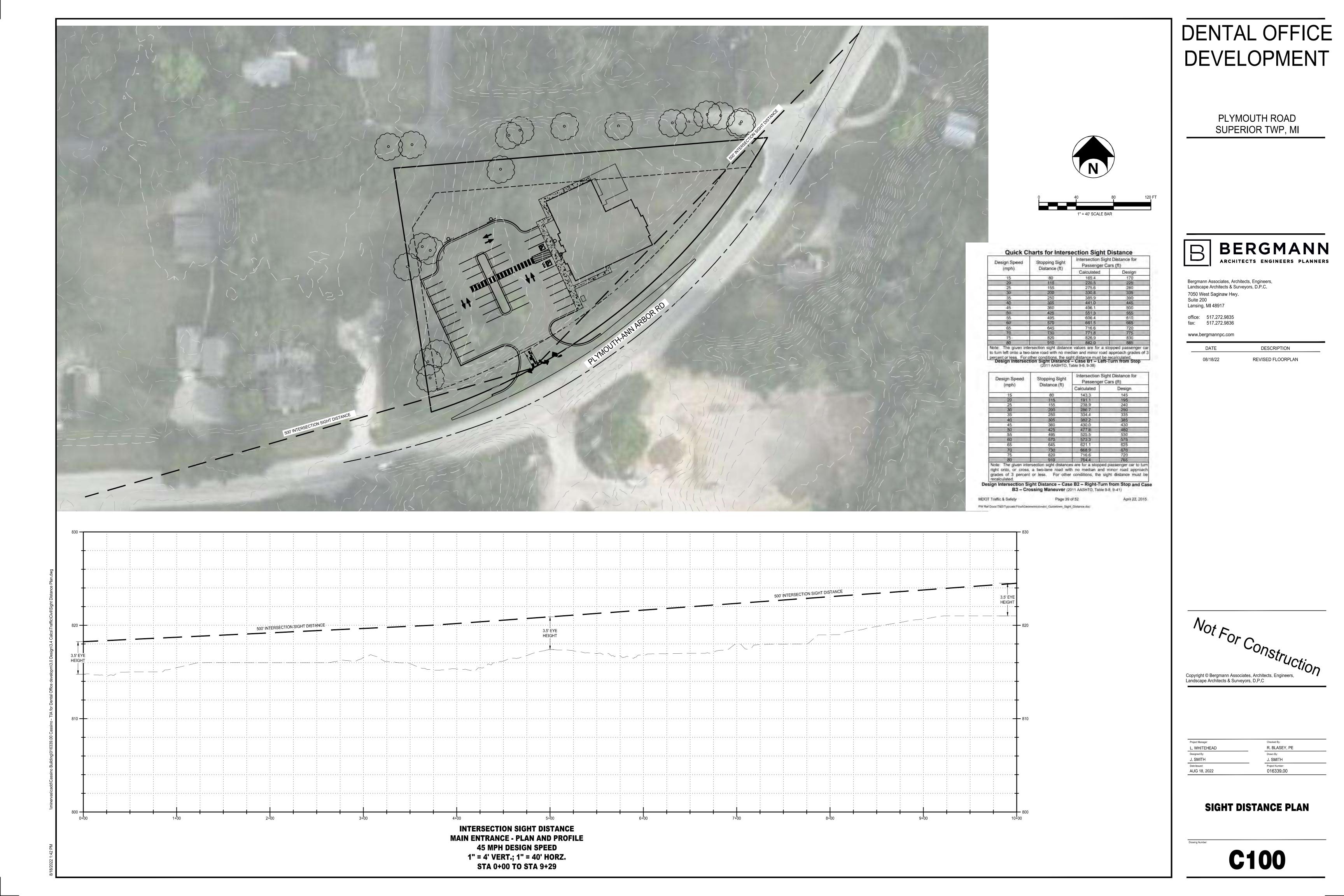
NOTE: For posted speeds at or under 45 mph, peak hour right turns greater than 40 vph, and total peak hour approach less than 300 vph, adjust right turn volumes.

Adjust peak hour Right turns = Peak hour Right turns - 20

*If a center left-turn lane exists (ie 3 or 5 lane roadway), subtract the number of left turns in approach volume form the total approach volume to get an adjusted total approach volume.

Sample Problem: The Design Speed is 55 mph. The Peak Hour Approach Volume is 300 vph. The Number of Right Turns in the Peak Hous is 100 vph. Determine if a right turn lane is recommended.

Solution: Figure indicates that the intersection of 300 vph and 100 vph is located above the upper trend line; thus, a right-turn lane may be recommended.



PRELIMINARY SITE PLAN FOR HURON DENTAL MIXED USE DEVELOPMENT PART OF NORTHEAST QUARTER, SECTION 18 SUPERIOR TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

PROPERTY DESCRIPTION:

LEGAL DESCRIPTION PER TITLE COMMITMENT NO. 81-22829169-GCM, DATED MARCH 18, 2022, AT 8:00 AM, ISSUED BY STEWART TITLE GUARANTY COMPANY, ISSUING AGENT: ATA NATIONAL TITLE GROUP, LLC: Land situated in the Township of Superior, County of Washtenaw, State of Michigan

Part of the North 1/2 of Section 18, Town 2 South, Range 7 East, Superior Township, Washtenaw County, Michigan described as: Beginning at a point on the Southerly line of Church Street (1/2 ROW = 33.00 feet) distant North 88 degrees 24 minutes 05 seconds East 527.00 feet from the Northeast corner of Lot 5, N.E. Section, Village of Dixboro, according to the recorded plat thereof as recorded in the Office of the Register of Deeds February 28, 1828 in Liber "A" of Deeds, Page 273, Washtenaw County Records; thence continuing North 88 degrees 24 minutes 05 seconds East 401.58 feet along said South right of way line of Church Street to a point on the Northerly right of way line of Plymouth Road (66 feet wide); thence 475.70 feet along the arc of a curve to the right having a radius of 641.60 feet a central angle of 42 degrees 28 minutes 48 seconds and a long chord bearing South 53 degrees 51 minutes 32 seconds West 464.87 feet; and thence North 05 degrees 38 minutes 55 seconds West 264.25 feet to the point of beginning.

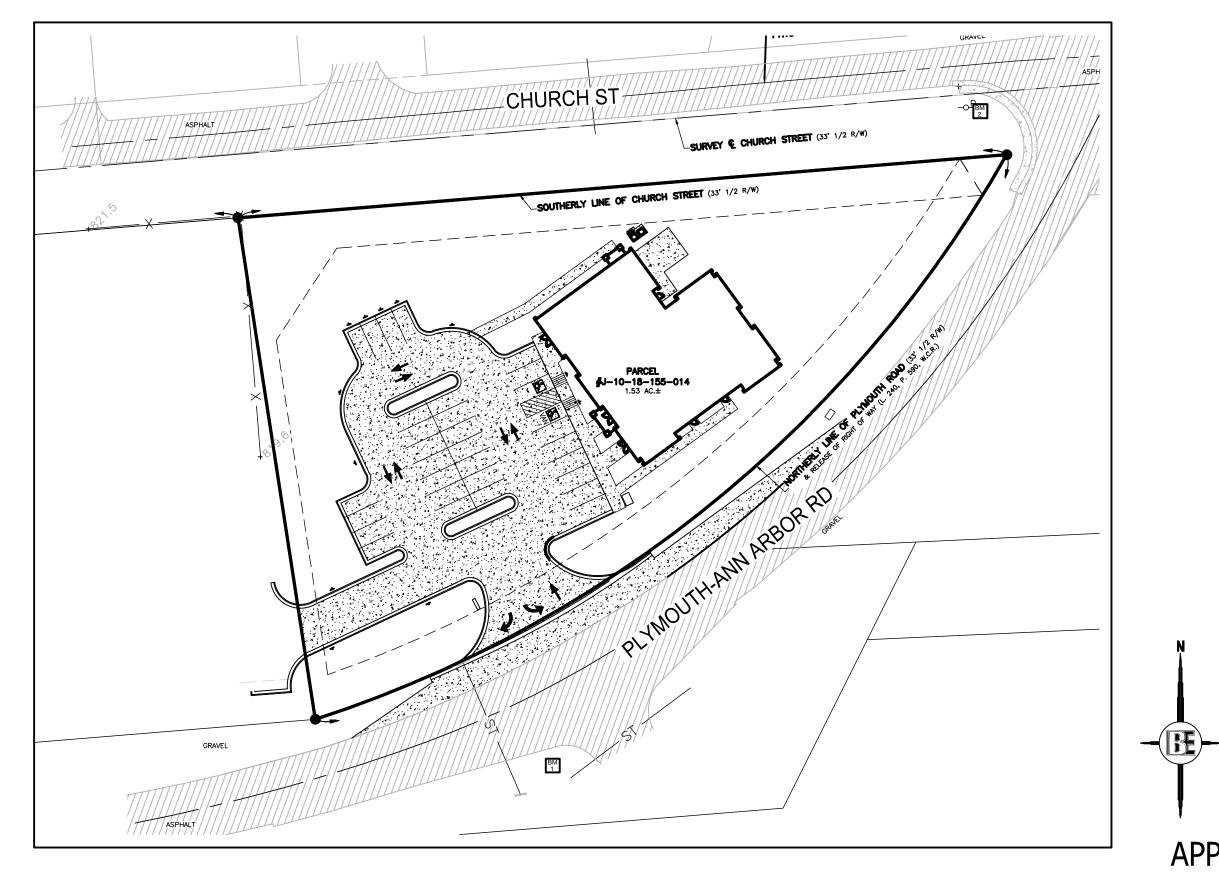
CONSTRUCTION NOTES

THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING NOTES AND ANY WORK INVOLVED SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

- 1. THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS
- DO NOT SCALE THESE DRAWINGS AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION. A GRADING PERMIT FOR SOIL EROSION-SEDIMENTATION CONTROL SHALL BE OBTAINED FROM THE GOVERNING AGENCY PRIOR TO THE START OF CONSTRUCTION.
- IF DUST PROBLEM OCCURS DURING CONSTRUCTION, CONTROL WILL BE PROVIDED BY AN APPLICATION OF WATER, EITHER BY SPRINKLER OR TANK TRUCK.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWNSHIP, COUNTY, AND STATE OF MICHIGAN PERMITS. PAVED SURFACES, WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES SHALL BE MAINTAINED IN A SAFE. ATTRACTIVE CONDITION AS ORIGINALLY DESIGNED AND CONSTRUCTED.
- 8. ALL BARRIER-FREE FEATURES SHALL BE CONSTRUCTED TO MEET ALL LOCAL, STATE AND A.D.A. REQUIREMENTS. 9. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
- 10. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHTS-OF-WAY, PUBLIC OR PRIVATE, PRIOR TO THE START OF CONSTRUCTION.
- 11. THE CONTRACTOR SHALL COORDINATE WITH ALL OWNERS TO DETERMINE THE LOCATION OF EXISTING LANDSCAPING, IRRIGATION LINES & PRIVATE UTILITY LINES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING LANDSCAPING. IRRIGATION LINES. AND PRIVATE UTILITY LINES.
- THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT 13. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES. 15. THE CONTRACTOR SHALL CALL MISS DIG A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 16. ALL EXCAVATION UNDER OR WITHIN 3 FEET OF PUBLIC PAVEMENT, EXISTING OR PROPOSED SHALL BE BACKFILLED AND COMPACTED WITH SAND (MDOT CLASS II).
- 17. ALL PAVEMENT REPLACEMENT AND OTHER WORKS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWNSHIP, INCLUDING THE LATEST MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES. 19. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR ANY DELAY OR INCONVENIENCE DUE TO THE MATERIAL SHORTAGES OR RESPONSIBLE DELAYS DUE TO THE OPERATIONS OF SUCH OTHER PARTIES DOING WORK INDICATED OR SHOWN ON THE PLANS OR IN THE SPECIFICATION OR FOR ANY REASONABLE DELAYS IN CONSTRUCTION DUE TO THE ENCOUNTERING OR EXISTING UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS.
- 20. DURING THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT. 21. IF WORK EXTENDS BEYOND NOVEMBER 15, NO COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY WINTER PROTECTION
- MEASURES THAT MAY BE REQUIRED BY THE ENGINEER. 22. NO TREES ARE TO BE REMOVED UNTIL MARKED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY BEYOND THE CONSTRUCTION LIMITS INCLUDING BUT 23. NOT LIMITED TO EXISTING FENCE, LAWN, TREES AND SHRUBBERY.
- 24. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE NORMAL CONSTRUCTION LIMITS OF THE PROJECT SHALL BE SODDED OR SEEDED AS SPECIFIED OR DIRECTED BY THE ENGINEER.
- 25. ALL ROOTS, STUMPS AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED AND THE HOLE BACKFILLED WITH SUITABLE MATERIAL. WHERE GRADE CORRECTION IS REQUIRED, THE SUBGRADE SHALL BE CUT TO CONFORM TO THE CROSS-SECTION AS SHOWN IN THE PLANS.
- 26. TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SIGNS AND TRAFFIC CONTROL DEVICES. FLAG PERSONS SHALL BE PROVIDED BY THE CONTRACTOR IF DETERMINED NECESSARY BY THE ENGINEER. ALL SIGNS SHALL CONFORM TO THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AT NO COST TO THE TOWNSHIP. NO WORK SHALL BE DONE UNLESS THE APPROPRIATE TRAFFIC CONTROL DEVICES ARE IN PLACE.
- 27. ALL DEMOLISHED MATERIALS AND SOIL SPOILS SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST, AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. 28. AFTER REMOVAL OF TOPSOIL, THE SUBGRADE SHALL BE COMPACTED TO 95% OF ITS UNIT WEIGHT.
- 29. ALL GRADING IN THE PLANS SHALL BE DONE AS PART OF THIS CONTRACT. ALL DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SUBGRADE PRIOR TO COMPACTING.
- 30. NO SEEDING SHALL BE DONE AFTER OCTOBER 15 WITHOUT APPROVAL OF THE ENGINEER. 31. ANY EXISTING APPURTENANCES SUCH AS MANHOLES, GATE VALVES, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 32. SOIL EROSION MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION HAS BEEN RE-ESTABLISHED. 33. ALL PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE MICHIGAN MUTCD MANUAL AND SHALL BE INCIDENTAL TO THE CONTRACT.

INDEMNIFICATION STATEMENT

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

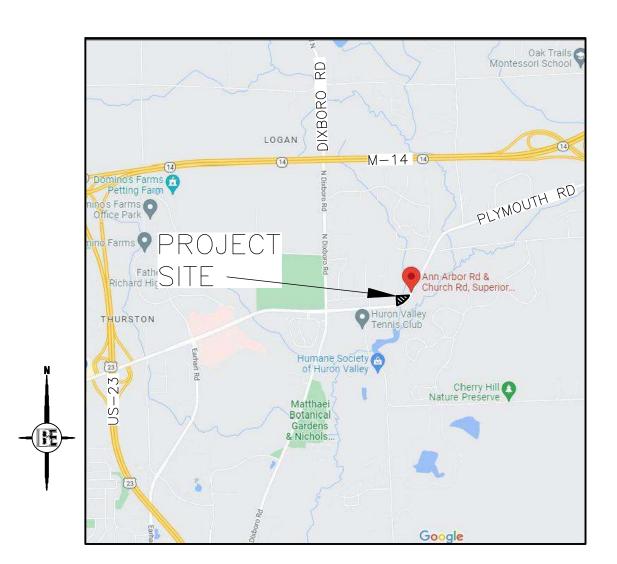


OVERALL SITE MAP NO SCALE

ARCHITECT:

MARTINI SAMARTINO DESIGN GROUP, LLC. 920 EAST LONG LAKE ROAD, STE. 200B TROY, MI 48085 CONTACT: DANIEL A. DE MARTINIS PHONE: 248-524-0445





LOCATION MAP NO SCALE

SHEET INDEX				
SHEET NO.	DESCRIPTION			
1 2 3 4 5 6 7 8 9 10 11 12 13	COVER SHEET EXISTING CONDITIONS & DEMOLITION PLAN TREE REMOVAL PLAN SITE PLAN DRIVEWAY SIGHT DISTANCE PER TRAFFIC MEMO GRADING, DRAINAGE & SOIL EROSION CONTROL PLAN UTILITY PLAN LANDSCAPE PLAN LIGHTING PLAN CIRCULATION PLAN STORM PROFILES UNDERGROUND DETENTION DETAILS CONSTRUCTION DETAILS			
SHEET NO.	DRAWINGS BY MARITINI-SAMARTINO DESIGN GROUP, LLC.			
A1 A2 A3 A4	GROUND FLOOR PLAN SECOND FLOOR PLAN NORTH AND WEST ELEVATIONS EAST AND SOUTH ELEVATIONS (4) 11" x 17" 3D BUILDING RENDERINGS IN ROSE COLOR (PREFERRED OPTION 1) (4) 11" x 17" 3D BUILDING RENDERINGS IN WHITE COLOR (OPTION 2)			

APPLICANT:

DR. SHYROZE REHEMTULLA 2345 S. HURON PARKWAY, STE. 3 ANN ARBOR, MI 48104 PHONE: 734-973-9155

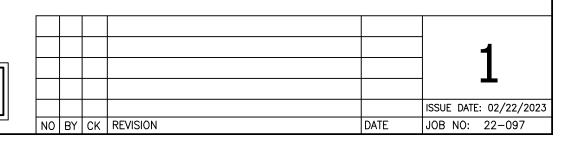
PREPARED FOR:

CASSINO BUILDING & DEVELOPMENT 42732 VAN DYKE AVENUE STERLING HEIGHTS, MI 48314 CONTACT: MARIO EVANGELISTA, JR. PHONE: 586-323-4462

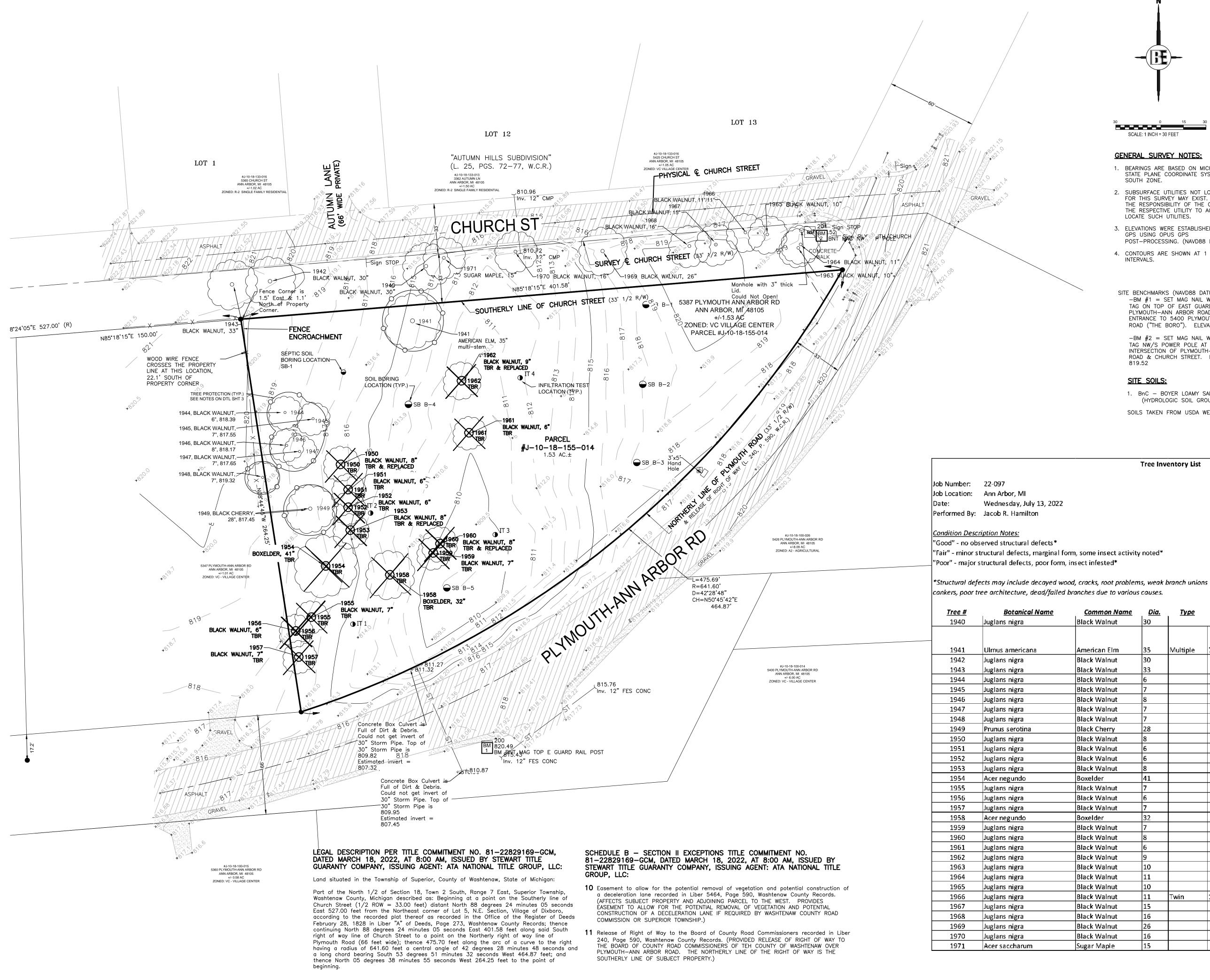
PREPARED BY:



Engineers Surveyors Planners Landscape Architects 3121 E. GRAND RIVER AVE. HOWELL, MI. 48843 517.546.4836 FAX 517.548.1670



FOR SITE PLAN APPROVAL ONLY! NOT FOR CONSTRUCTION



-(<u>BE</u>)--SCALE: 1 INCH = 30 FEET **GENERAL SURVEY NOTES:** 1. BEARINGS ARE BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE. 2. SUBSURFACE UTILITIES NOT LOCATED FOR THIS SURVEY MAY EXIST. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO ACCURATELY LOCATE SUCH UTILITIES. 3. ELEVATIONS WERE ESTABLISHED WITH GPS USING OPUS GPS POST-PROCESSING. (NAVD88 DATUM) 4. CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.

<u>LEGEND</u>

 \bigcirc

G

τV

—_____ST____

— G —

— C —

— OH —

(M&R)

P.0.B.

-X-FENCE

####

EXISTING CONTOUR

POWER POLE

STORM INVERT

CABLE TV RISER

GAS RISER

SOIL BORING

STORM SEWER

GAS MAIN

CABLE TV

OVERHEAD WIRES

MEASURED AND RECORD

POINT OF BEGINNING

SIGN

MANHOLE

EXISTING SPOT ELEVATION

TREE SYMBOL WITH TAG #

STEEL ROD OR PIPE FOUND

SITE BENCHMARKS (NAVD88 DATUM): -BM #1 = SET MAG NAIL WITH BOSS BMTAG ON TOP OF EAST GUARDRAIL POST, S/S PLYMOUTH-ANN ARBOR ROAD, WEST OF ENTRANCE TO 5400 PLYMOUTH-ANN ARBOR ROAD ("THE BORO"). ELEVATION = 820.49

-BM #2 = SET MAG NAIL WITH BOSS BMTAG NW/S POWER POLE AT SOUTHWEST INTERSECTION OF PLYMOUTH-ANN ARBOR ROAD & CHURCH STREET. ELEVATION = 819.52

SITE SOILS:

1. BnC - BOYER LOAMY SAND, 6 TO 12 PERCENT SLOPES (HYDROLOGIC SOIL GROUP A) SOILS TAKEN FROM USDA WEB SOIL SURVEY.

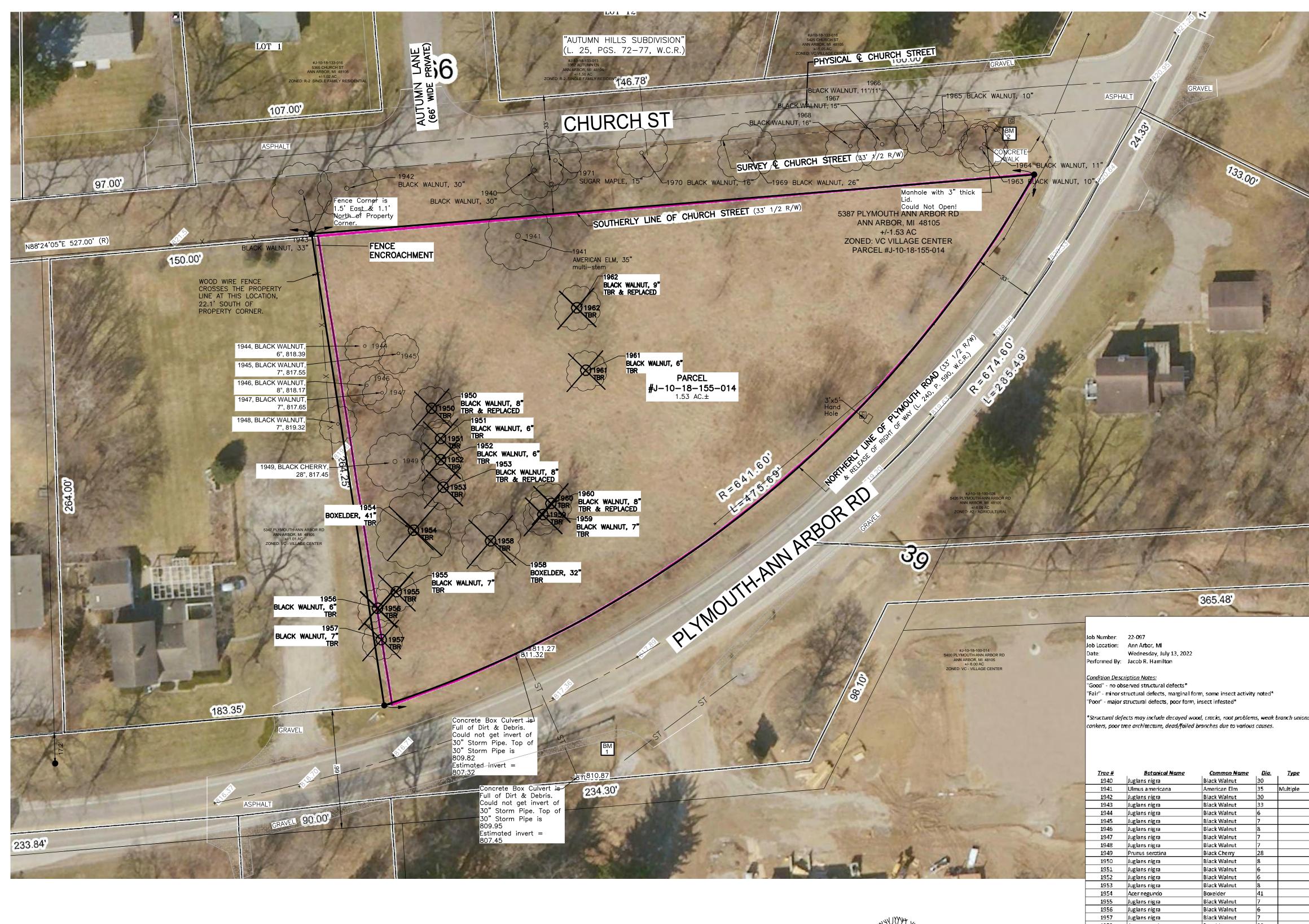
Tree Inventory List

inches	due	to	various	causes.

Common Name	<u>Dia.</u>	Type	<u>Other Dia.</u>	<u>Condition</u>	<u>Comments</u>
Black Walnut	30			Good	
American Elm	35	Multiple	7,6	Good	
Black Walnut	30			Good	
Black Walnut	33			Good	
Black Walnut	6			Good	
Black Walnut	7			Good	
Black Walnut	8			Good	
Black Walnut	7			Good	
Black Walnut	7			Good	
Black Cherry	28			Good	
Black Walnut	8			Good	
Black Walnut	6			Good	
Black Walnut	6			Good	
Black Walnut	8			Good	
Boxelder	41			Poor	Lost leader, broken large limb, rot
Black Walnut	7			Good	
Black Walnut	6			Good	
Black Walnut	7			Good	
Boxelder	32			Good	
Black Walnut	7			Good	
Black Walnut	8			Good	
Black Walnut	6			Good	
Black Walnut	9			Good	
Black Walnut	10			Good	
Black Walnut	11			Fair	Girdled by wire fence
Black Walnut	10			Good	
Black Walnut	11	⊤win	11	Good	
Black Walnut	15			Good	
Black Walnut	16	1		Fair	Heavy vines
Black Walnut	26			Good	
Black Walnut	16	1		Good	
Sugar Maple	15			Good	

FOR SITE PLAN APPROVAL ONLY! NOT FOR CONSTRUCTION

THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS 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 LOCATION AND ELEVATION OF EXISTING UTILITES AND PROPOSED UTILITY CROSSINGS IN THE FIELD PRIOR TO CONSTRUCTION. THE	CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CONFLICTS ARE APPARENT OR IF THE I OCATION OR DEPTH DIFFERS SIGNIFICANTLY	FROM THE PLANS	3 WORKING DAYS I		1-800-482-7171 h	FOR THE LOCATION OF UNDERFORMED FACILITIES
			Engineers Surveyors Planners Landscape Architects	3121 E. GRAND RIVER AVE.			517.546.4836 FAX 517.548.1670
PROJECT DENTAL OFFICE & MIXED USE	PREPARED FOR CASSINO BUILDING AND DEVELOPMENT		STERLING HEIGHTS, MI 48314	586-323-4462			
						I	DATE
						1	REVISION PER
DESIGN DRAWN CHECK	N BY	r:			JA JA BL	1	NO BY
SCALE JOB N DATE: SHEET	0: (02/		-0	202	23	SS E ering

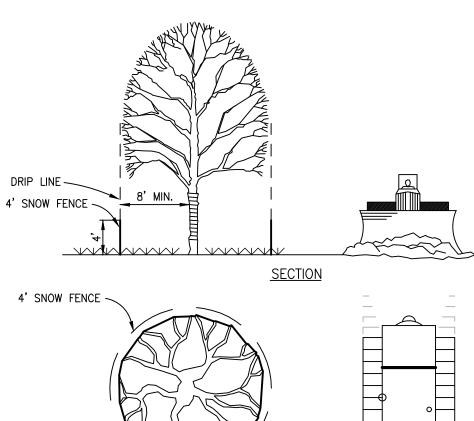


TREE PROTECTION NOTES:

- 1. THE LANDSCAPE ARCHITECT SHALL SUPERVISE THE TAGGING OF TREES TO BE TRANSPLANTED, TREES TO REMAIN, AND TREES TO BE REMOVED. FOR IDENTIFICATION OF PROPOSED ACTION FOR EXISTING TREES, THE FOLLOWING METHODS WILL BE USED: AN ORANGE PAINTED "X" FOR TREES TO BE REMOVED; YELLOW FLAGGING FOR TREES TO BE TRANSPLANTED; AND SNOW FENCE PROTECTION AS SHOWN IN THE DETAIL FOR TREES TO REMAIN.
- 2. EXISTING TREES WITHIN FIFTEEN FEET (15') OF BUILDINGS ARE TO BE PRUNED AFTER CONSTRUCTION BY A PROFESSIONAL TREE CONTRACTOR AS SPECIFIED BY THE LANDSCAPE ARCHITECT.
- 3. NO DAMAGING ATTACHMENTS SUCH AS WIRES (OTHER THAN CABLE WIRES FOR TREES) SIGNS, OR PERMITS MAY BE FASTENED TO ANY TREE PROTECTED BY THE ORDINANCE.
- 4. FOR TREES TO BE SAVED, A FOUR FOOT (4') HIGH SNOW FENCE SHALL BE ERECTED AROUND THE TREE DRIP LINE PRIOR TO LAND CLEARING AND CONSTRUCTION AND MAINTAINED THROUGHOUT SITE DEVELOPMENT. NO CUTTING, FILLING, OR TRESPASSING SHALL OCCUR INSIDE THE FENCED AREA WITH OUT APPROVAL OF THE CITY/TOWNSHIP. THE SNOW FENCING SHALL REMAIN IN ITS APPROVED LOCATION UNTIL SUCH TIME AS IT IS AUTHORIZED TO BE REMOVED BY THE CITY OR ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
- 5. NO ACTIVITY SHALL BE CONDUCTED WITHIN THE DRIP LINE OF ANY TREE DESIGNATED TO BE RETAINED, INCLUDING BUT NOT LIMITED TO THE PLACING OF ANY SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY, OR SOIL WITHIN SUCH DRIP LINE.
- 6. THE DEVELOPER AND/OR THE BUILDER SHALL ERECT SIGNS THROUGHOUT THE PROJECT THAT ARE CLEARLY VISIBLE STATING WORDS TO THE EFFECT THAT ALL SUBCONTRACTORS, SUPPLIERS AND TRADESMEN ARE TO HELP MAINTAIN THE TREES AND WILL BE HELD RESPONSIBLE FOR ANY UNAUTHORIZED DAMAGE TO TREES AND WOODLANDS.

- 7. ALL PURCHASED REPLACEMENT TREES SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS, SUCH AS: A. NURSERY GROWN;
- STATE DEPARTMENT OF AGRICULTURE INSPECTED; R NO. 1 GRADE WITH STRAIGHT, UNSCARRED TRUNK AND WELL DEVELOPED UNIFORM CROWN С.
- (PARK GRADE TREES WILL NOT BE ACCEPTED);
- PRACTICES:
- MATERIALS.
- 8. SEE NOTES PER SUPERIOR TOWNSHIP ZONING ORDINANCE ARTICLE 14.F.6.: WOODLANDS AND TREE PRESERVATION: INSTALLATION AND MAINTENANCE REQUIREMENTS, PAGES 28-37.

D. STAKED, WRAPPED, WATERED AND MULCHED IN ACCORDANCE WITH STANDARD PLANTING E. GUARANTEED FOR ONE (1) YEAR, INCLUDING LABOR, TO REMOVE AND DISPOSE OF DEAD



1945	Juglans nigra	Black Walnut	7	
1946	Juglans nigra	Black Walnut	8	
1947	Juglans nigra	Black Walnut	7	
1948	Juglans nigra	Black Walnut	7	
1949	Prunus serotina	Black Cherry	28	
1950	Juglans nigra	Black Walnut	8	
1951	Juglans nigra	Black Walnut	6	
1952	Juglans nigra	Black Walnut	6	
1953	Juglans nigra	Black Walnut	8	
1954	Acernegundo	Boxelder	41	
1955	Juglans nigra	Black Walnut	7	
1956	Juglans nigra	Black Walnut	6	
1957	Juglans nigra	Black Walnut	7	
1958	Acer negundo	Boxelder	32	
1959	Juglans nigra	Black Walnut	7	
1960	Juglans nigra	Black Walnut	8	
1961	Juglans nigra	Black Walnut	6	
1962	Juglans nigra	Black Walnut	9	
1963	Juglans nigra	Black Walnut	10	
1964	Juglans nigra	Black Walnut	11	
1965	Juglans nigra	Black Walnut	10	
1966	Juglans nigra	Black Walnut	11	Twin
1967	Juglans nigra	Black Walnut	15	
1968	Juglans nigra	Black Walnut	16	
1969	Juglans nigra	Black Walnut	26	
1970	Juglans nigra	Black Walnut	16	
1971	Acer saccharum	Sugar Maple	15	

TOTAL NUMBER OF REGULATED TREES TO BE

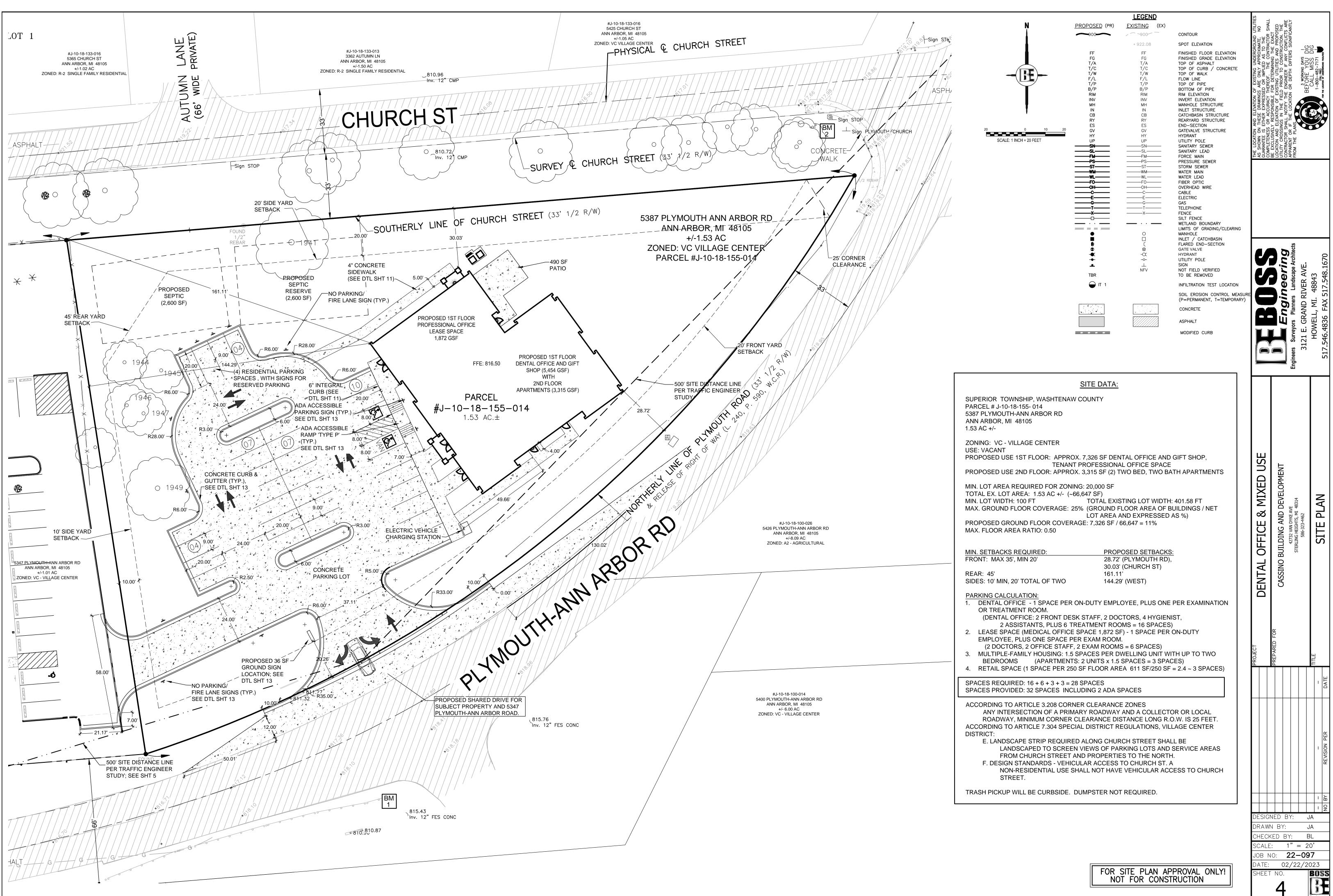
SUMMARY

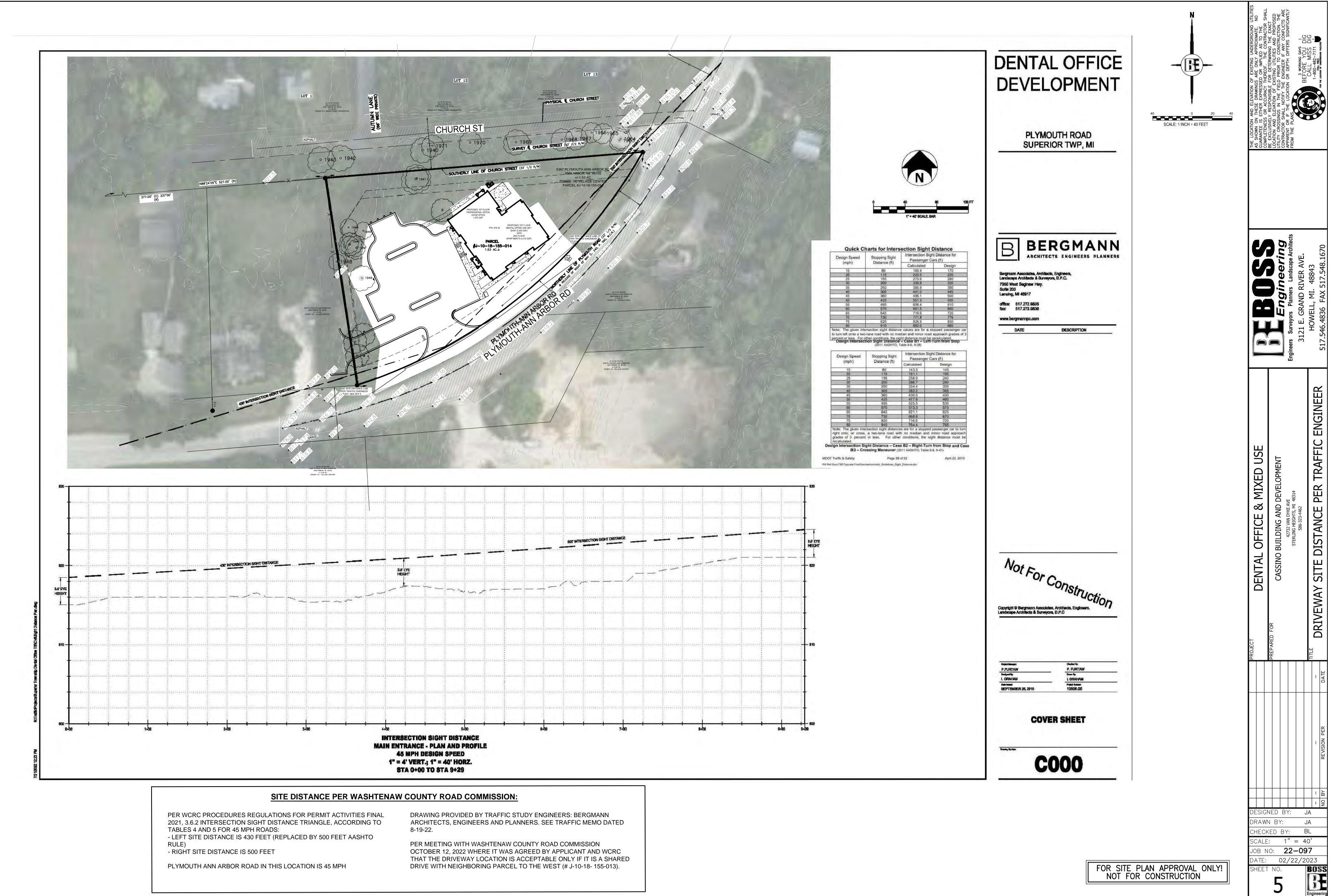
PRESERVED:	6	
TOTAL NUMBER OF REGULATED TREES TO BE		
REMOVED:	4	
NUMBER OF REGULATED TREES ON SITE		
BEFORE REMOVAL:	10	
PERCENTAGE OF REGULATED TREES ON SITE		
AFTER REMOVAL:	60%	
TOTAL NUMBER OF REPLACEMENT TREES		
REQUIRED:	4	
PERCENTAGE OF REPLACEMENT TREE		
REQUIREMENT SATISFIED BY UP TO 50% OF		
BUFFERING AND SCREENING TREES ON SITE	50%	

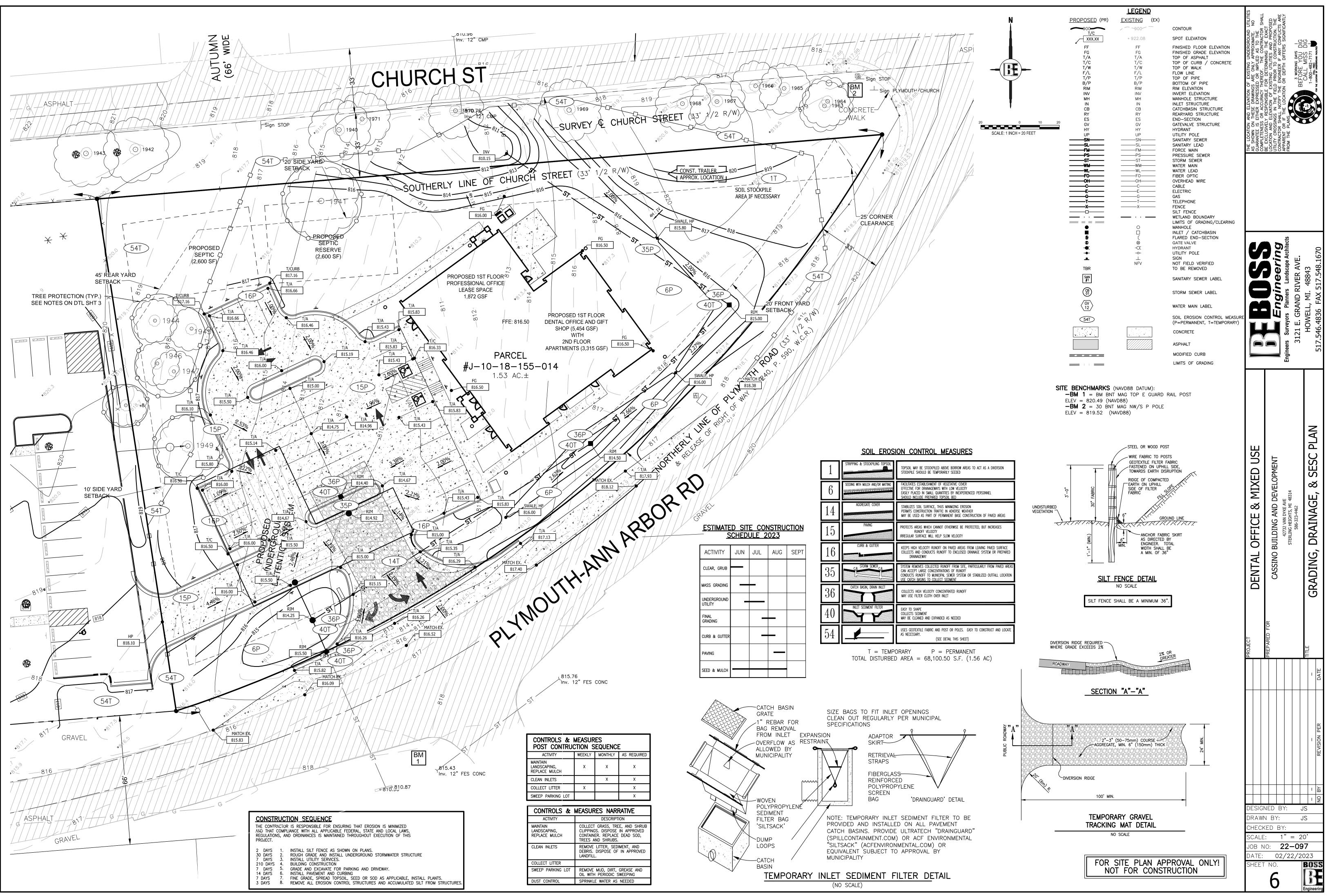
<u>PLAN</u>

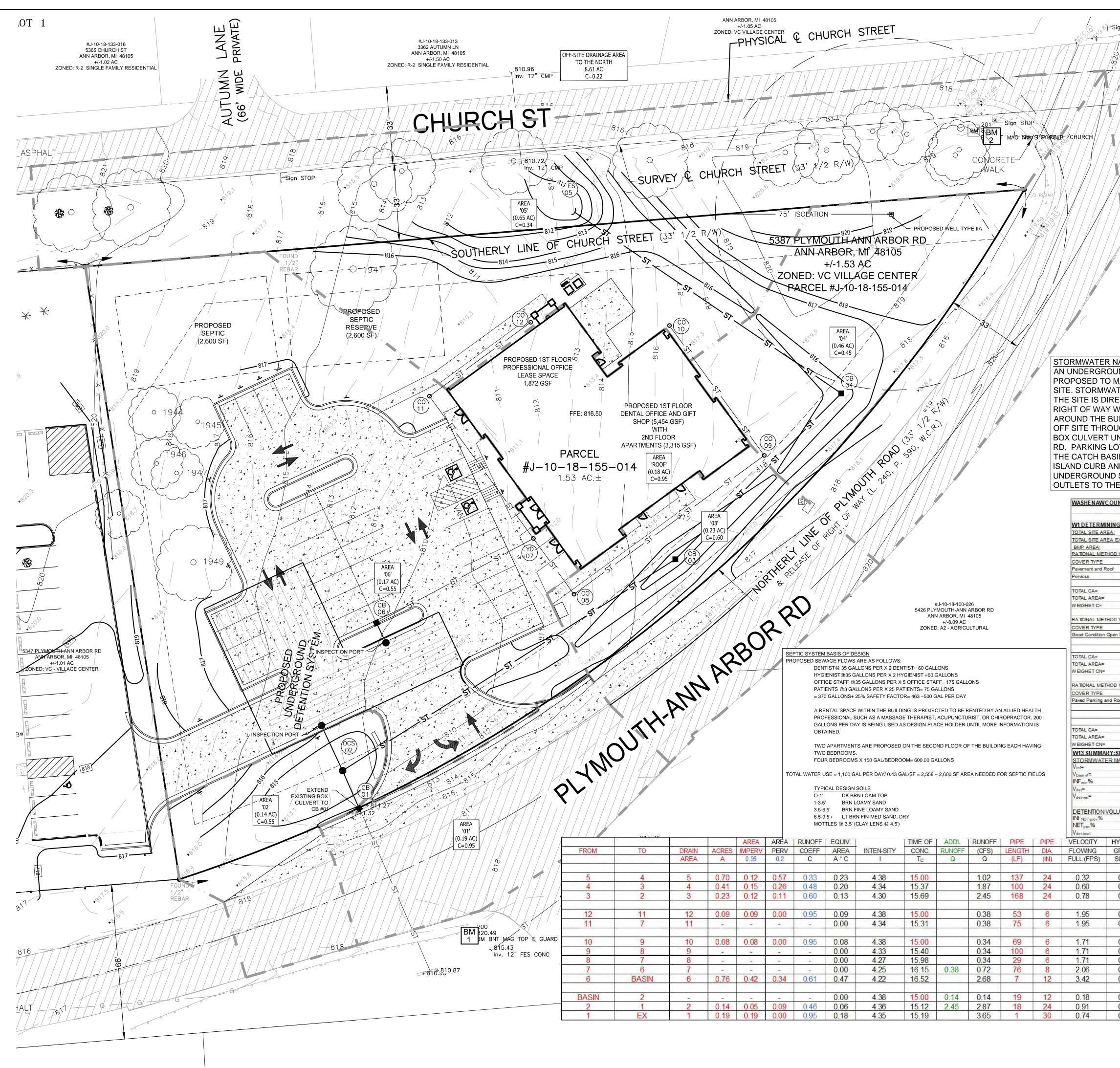
SNOW FENCE PROTECTION DETAIL (NO SCALE)

	PROPOSED (PR) EXISTING (EX) 900 -900 -900 - + 922.08	CONTOUR SPOT ELEVATION FINISHED FLOOR ELEVATION FINISHED GRADE ELEVATION TOP OF ASPHALT TOP OF CURB / CONCRETE TOP OF WALK FLOW LINE TOP OF PIPE BOTTOM OF PIPE RIM ELEVATION INVERT ELEVATION MANHOLE STRUCTURE INLET STRUCTURE CATCHBASIN STRUCTURE REARYARD STRUCTURE END-SECTION GATEVALVE STRUCTURE HYDRANT UTILITY POLE SANITARY SEWER SANITARY LEAD FORCE MAIN PRESSURE SEWER STORM SEWER WATER MAIN WATER LEAD FIBER OPTIC OVERHEAD WIRE CABLE ELECTRIC GAS TELEPHONE	THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS 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 LOCATION AND ELEVATION OF EXISTING UTILITIES AND PROPOSED UTILITY CROSSINGS IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CONFLICTS ARE APPARENT OR IF THE LOCATION OR DEPTH DIFFERS SIGNIFICANTLY FROM THE PLANS. BEFORE YOU DIG CALL MISS DIG 1-B00-482-7171 ON MERCINE THE LOCATION FURTHER IN THE ENGLINEER IF APPARENT OR IF THE LOCATION OR DEPTH DIFFERS SIGNIFICANTLY FROM THE PLANS.
	$ \begin{array}{c} $	FENCE SILT FENCE WETLAND BOUNDARY LIMITS OF GRADING/CLEARING MANHOLE INLET / CATCHBASIN FLARED END-SECTION GATE VALVE HYDRANT UTILITY POLE SIGN NOT FIELD VERIFIED TO BE REMOVED SANITARY SEWER LABEL STORM SEWER LABEL WATER MAIN LABEL SOIL EROSION CONTROL MEASURE (P=PERMANENT, T=TEMPORARY) CONCRETE ASPHALT MODIFIED CURB LIMITS OF GRADING	Engineers Surveyors Planners Landscape Architects BICI E. GRAND RIVER AVE. HOWELL, MI. 48843 517.546.4836 FAX 517.548.1670
branch unions	Tree to Be REPLACEMEN nts Removed Replacement Require		DENTAL OFFICE & MIXED USE CASSINO BUILDING AND DEVELOPMENT 42732 VAN DYKE AVE 3732 VAN DYKE AVE 586-323-4462 E REMOVAL AND PROTECTION PLAN
Type Other Dia. Condition Tree Comment Good Good REGULATED Good Good Multiple 7,6 Good REGULATED Good Good Good REGULATED Good Good Good Good Good Good	NO, OFF SITE NO NO, OFF SITE NO VES YES YES YES YES YES No, below 8" D.B.H. pe YES YES No, below 8" D.B.H. pe YES No, below 8" D.B.H. pe YES No, below 8" D.B.H. pe YES No, below 8" D.B.H. pe YES No, below 8" D.B.H. pe	o 1:1 (1) 2.5" Caliper r Ordinance r Ordinance	PROJECT DEN Image: State of the state
Good Good	NO, OFF SITE NO, OFF SITE FOR SITE PLAN AP NOT FOR CONST		DESIGNED BY: JA DESIGNED BY: JA DRAWN BY: JA CHECKED BY: BL SCALE: 1" = 30' JOB NO: 22-097 DATE: 02/22/2023 SHEET NO.



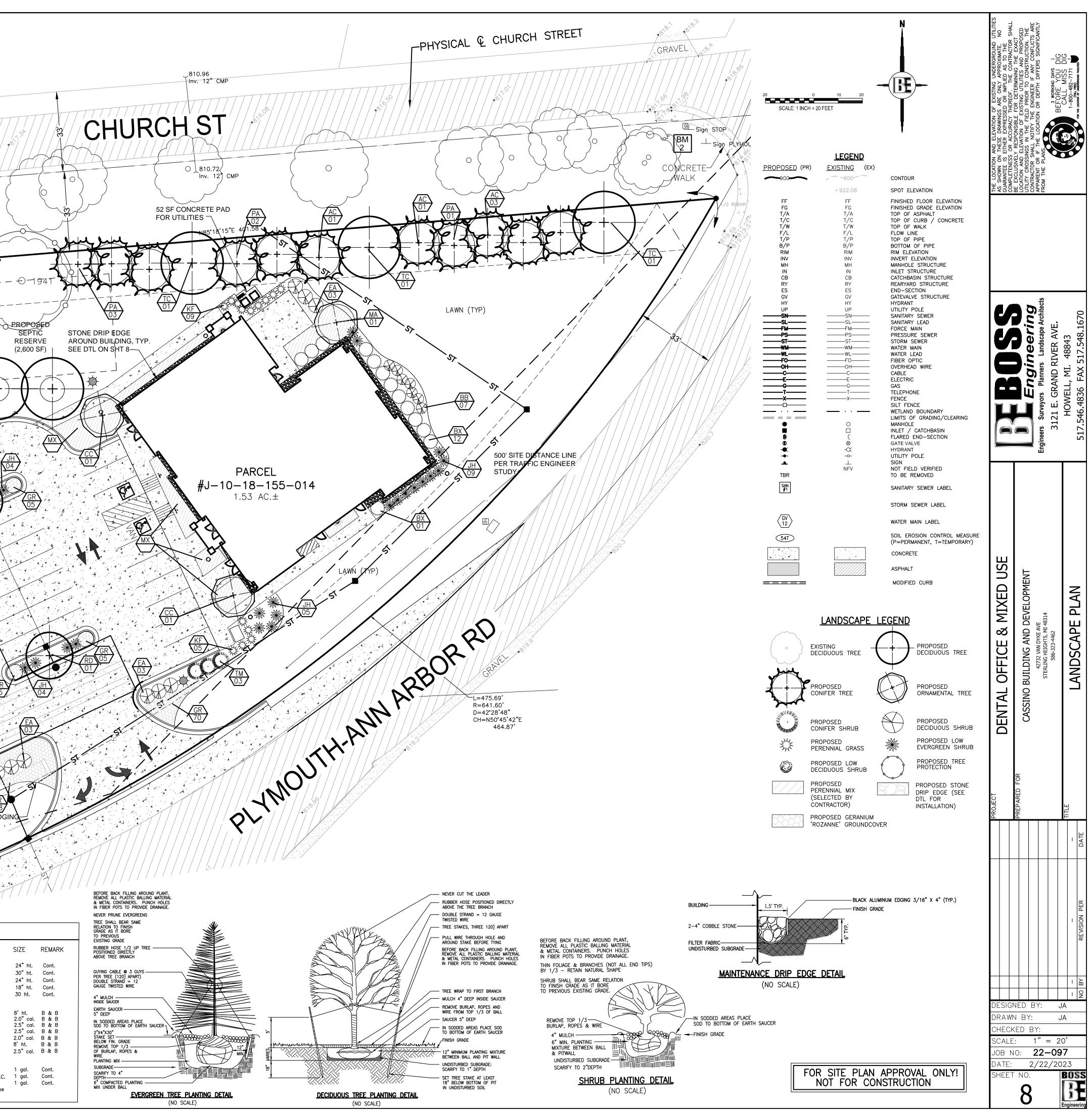


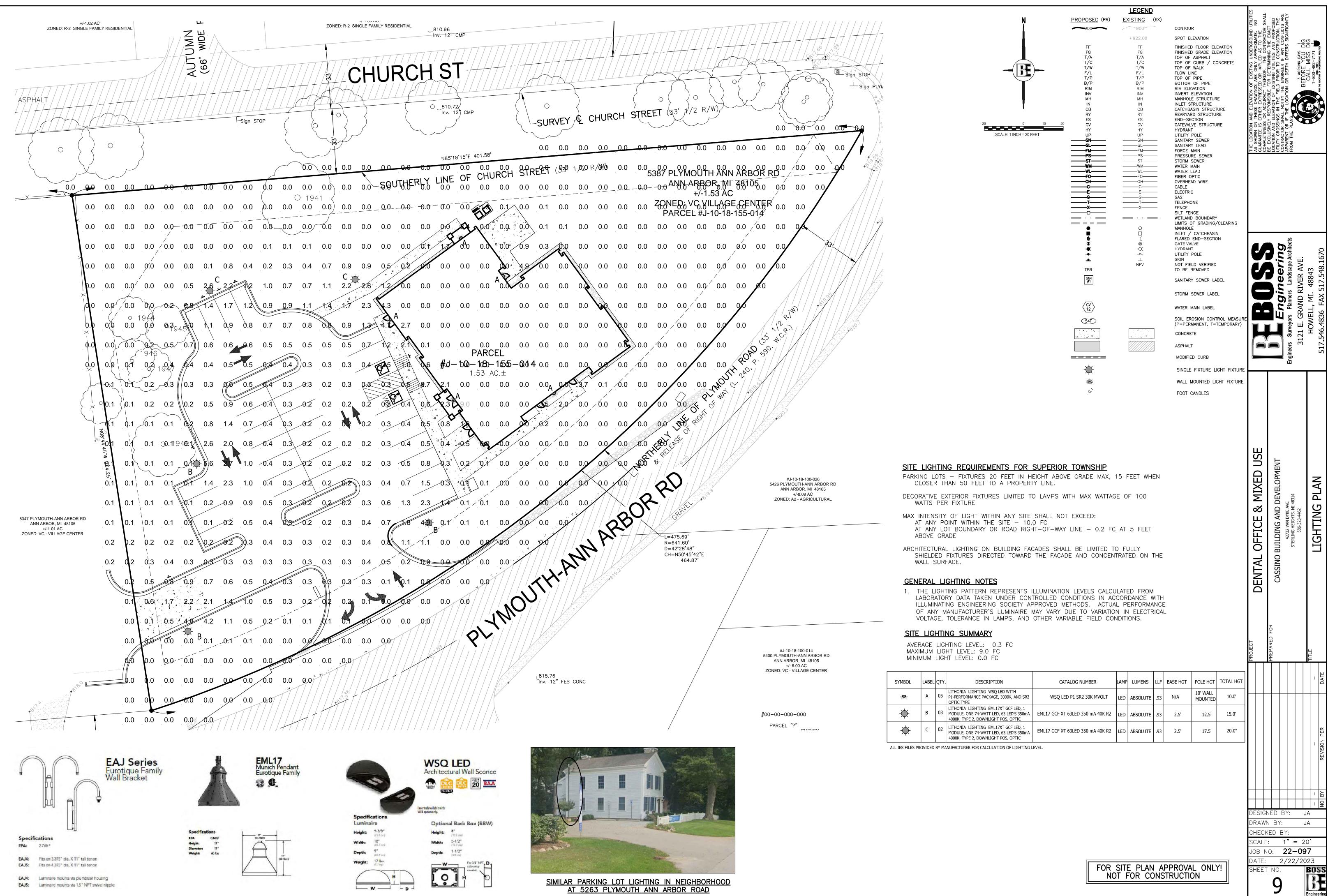


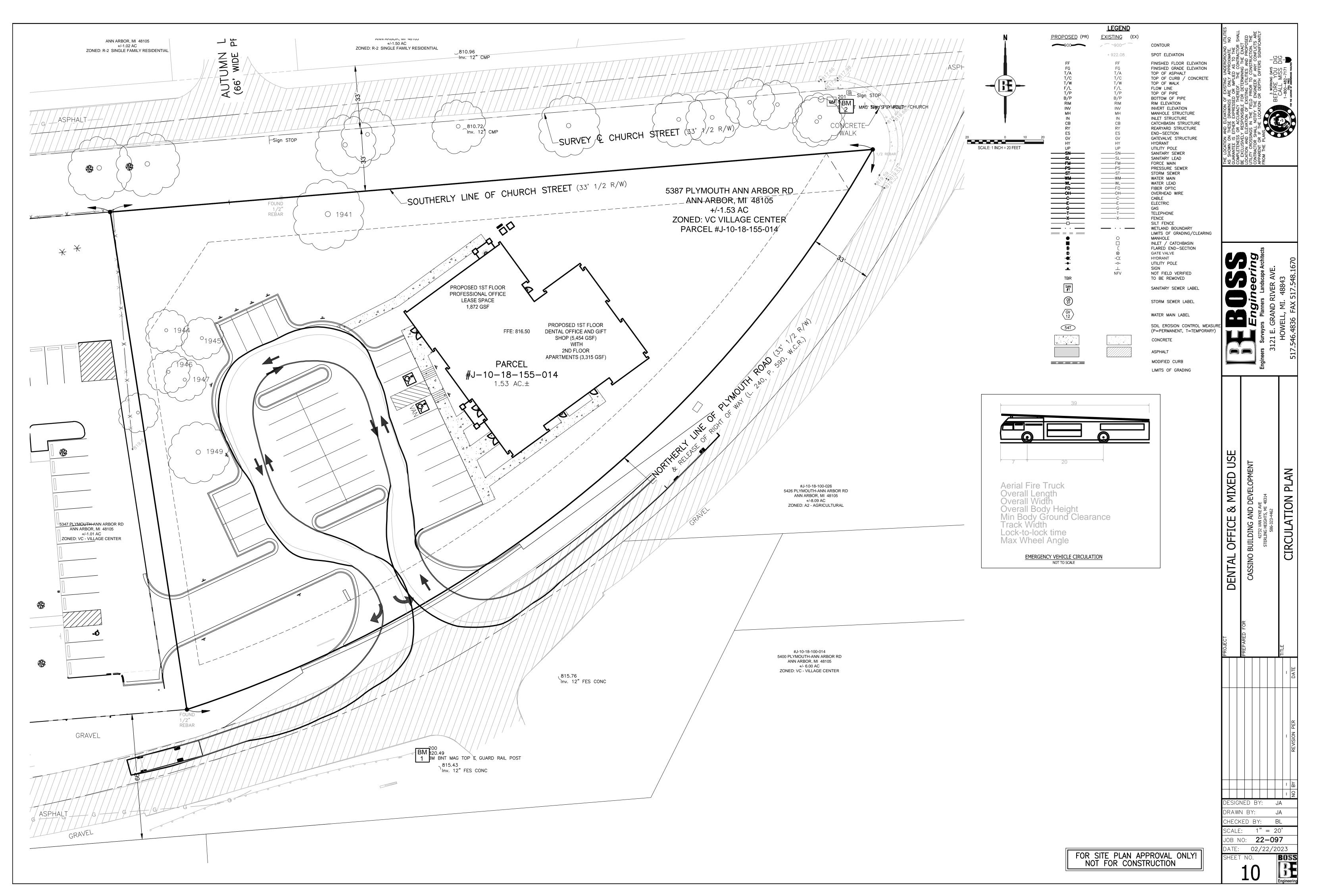


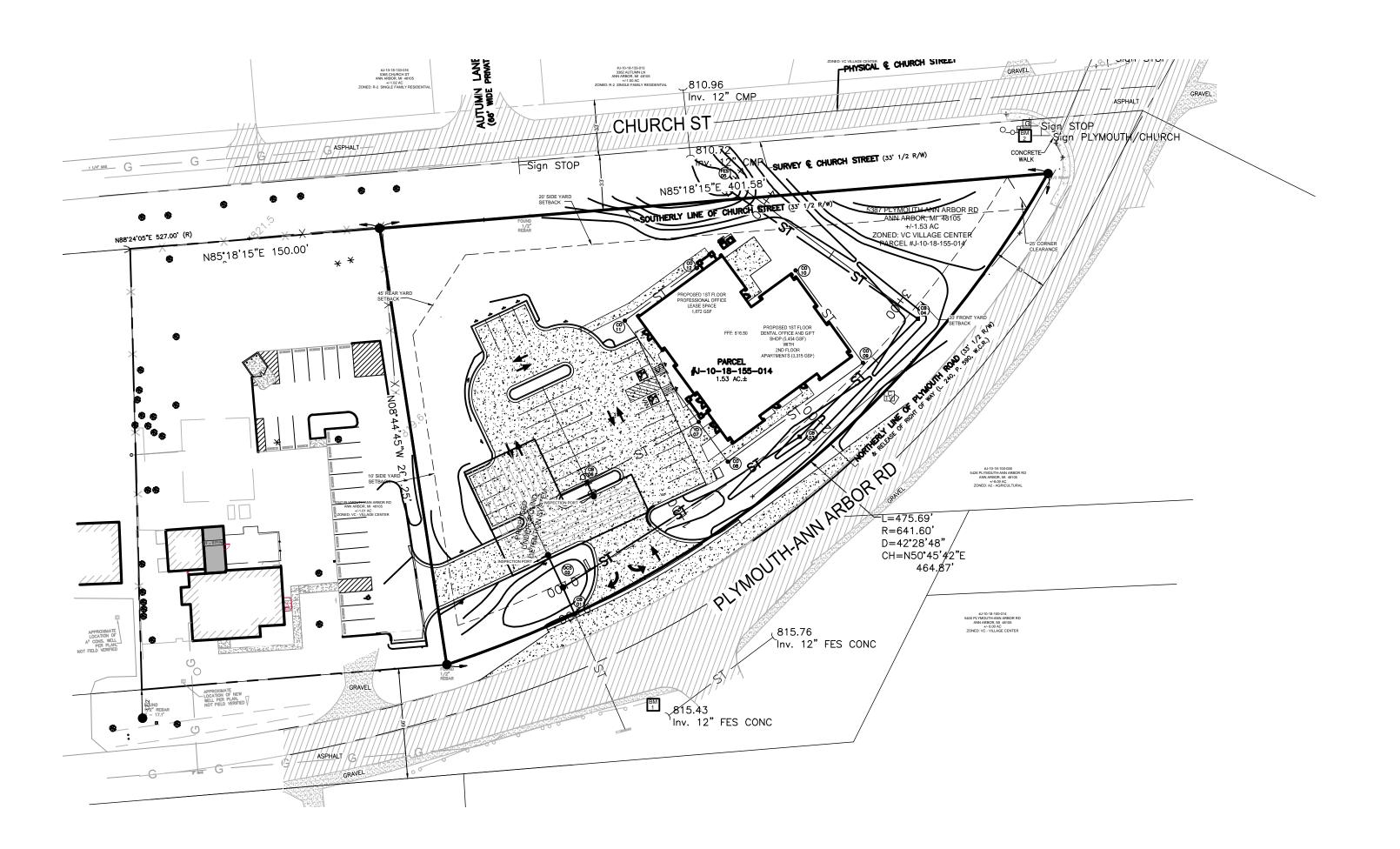
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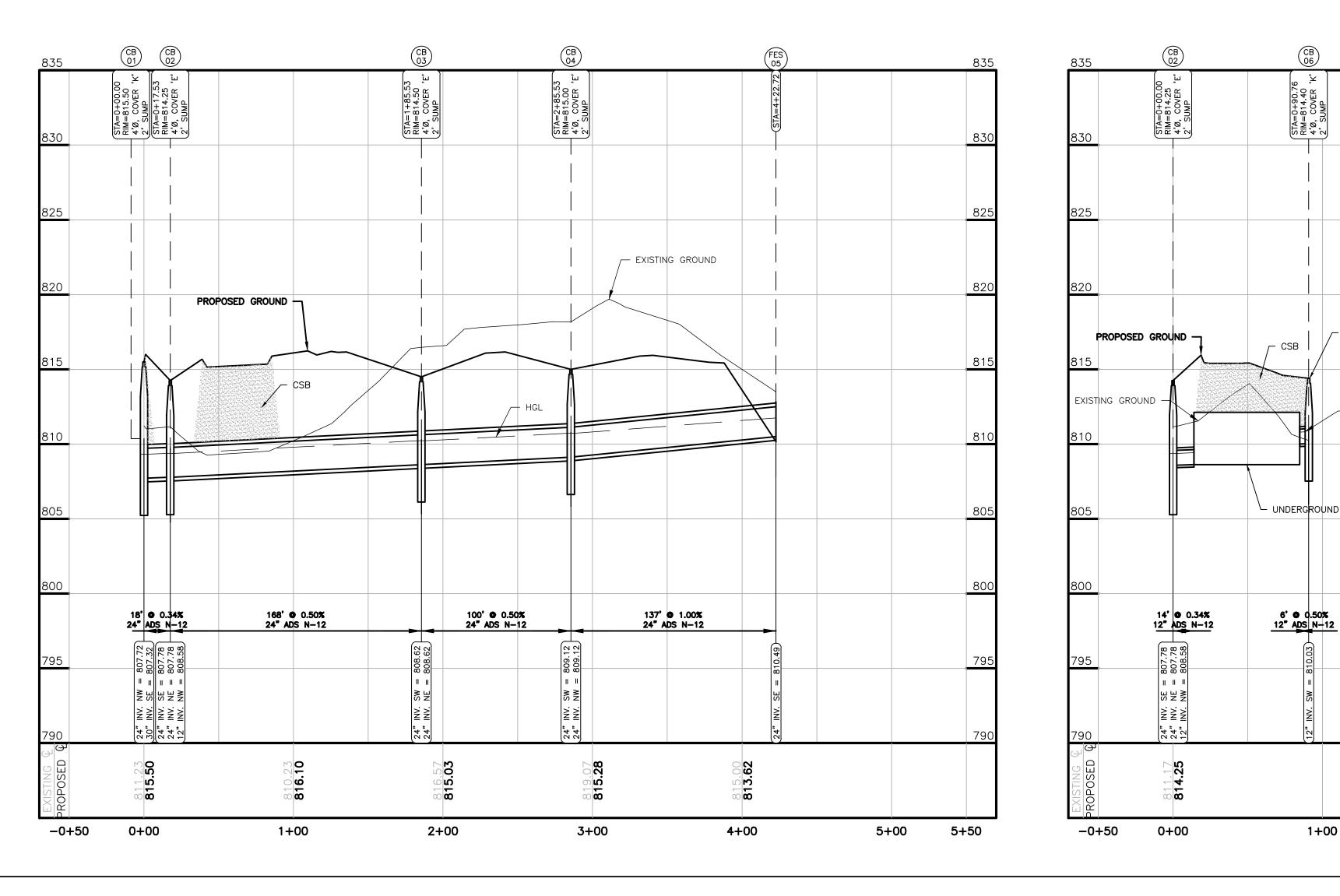
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	GENERAL LANDSCAPE SPECIFICATIONS: 1. ALL PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF TH GOVERNING MUNICIPALITY. ALL STOCK SHALL BE NURSERY GROWN, CONFORMING TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK", AND IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. STOCK SHALL EXHIBIT NORMAL GROWTH HABIT AND BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS, OR DISFIGUREMENT. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.	
	 ALL PLANT MATERIALS SHALL BE BALLED AND BURLAPPED OR CONTAINER STOCK. NO BARE ROOT STOCK IS PERMITTED. ALL PLANT BALLS SHALL BE FIRM, INTACT, AND SECURELY WRAPPED AND BOUND. 	NN BUNNEL
	 ALL PLANT BED MATERIALS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS, OTHER EXTRANEOUS OBJECTS, AND POOR SOILS TO A MINIMUM DEPTH OF 12-INCHES AND BACKFILLED TO GRADE WITH SPECIFIED PLANTING MIX (SEE BELOW). 	
	4. PLANTING MIXTURE SHALL CONSIST OF 5 PARTS TOPSOIL FROM ON-SITE (AS APPROVED), 4 PARTS COARSE SAND, 1 PART SPHAGNUM PEAT MOSS (OR APPROVED COMPOST), AND LBS OF SUPERPHOSPHATE FERTILIZER PER CU. YD. OF MIX. INGREDIENTS SHALL BE THOROUGHLY BLENDED FOR UNIFORM CONSISTENCY.	5
	5. ALL PLANT BEDS AND INDIVIDUAL PLANTS, NOT OTHERWISE NOTED SHALL BE MULCHED WITH A 4-INCH LAYER OF SHREDDED BARK MULCH. EDGE OF MULCH BEDS AS SHOWN. DECIDUOUS TREES IN LAWN AREAS SHALL RECEIVE A 5-FT DIAMETER CIRCLE OF MULCH AND CONIFER TREES 8-FT (PLANTED CROWN OF TREE) UNLESS OTHERWISE NOTED.	Fsign STOP
	6. LANDSCAPE STONE SHALL BE INSTALLED WHERE NOTED OR INDICATED (HATCHED). STONE SHALL BE 3/4"-1-1/4" WASHED RIVER GRAVEL OR AS SELECTED AND SHALL BE INSTALLED TO A MINIMUM DEPTH OF 3-INCHES.	
	 ALL LANDSCAPE BEDS, UNLESS OTHERWISE NOTED SHALL BE INSTALLED OVER WEED BARRIER FABRIC – WATER PERMEABLE FILTRATION FABRIC OF NON-WOVEN POLYPROPYLEN OR POLYESTER FABRIC. FABRIC SHALL BE OF SUITABLE THICKNESS FOR APPLICATION. 	
	 ALL PLANTS AND PLANT BEDS SHALL BE THOROUGHLY WATERED UPON COMPLETION OF PLANTING AND STAKING OPERATIONS. THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF 1 YEAR 	men in the
	FROM THE DATE THE WORK IS ACCEPTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE, WITHOUT COST TO THE OWNER, WITHIN A SPECIFIED PERIOD OF TIME, ALL DEAD PLANTS, AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE LANDSCAPE ARCHITECT, DURING AND AT THE END OF THE GUARANTEE PERIOD. REPLACEMENT STOCK SHALL CONFORM TO THE ORIGINAL SPECIFICATIONS.	
	10. EDGING SHALL BE PROVIDED FOR ALL LANDSCAPE BEDS NOT ADJACENT TO CONCRETE PAVEMENT. EDGING SHALL BE BLACK ALUMINUM EDGING, 3/16-INCH X 4-INCH. INSTAL PER MANUFACTURER'S INSTRUCTIONS, ALL EDGING SHALL BE INSTALLED IN STRAIGHT LINES OR SMOOTH CURVES WITHOUT IRREGULARITIES.	
	11. SOD SHALL BE DENSE, WELL ROOTED TURF, FREE OF WEEDS. IT SHALL BE COMPRISED OF A BLEND OF AT LEAST TWO KENTUCKY BLUE GRASSES AND ONE FESCUE. IT SHALL HAVE A UNIFORM THICKNESS OF 3/4-INCH AT TIME OF PLANTING, AND CUT IN UNIFORM STRIPS NOT LESS THAN 10-INCHES BY 18-INCHES. SOD SHALL BE KEPT MOIST AND LAIL WITHIN 36-HOURS AFTER CUTTING.	SEPTIC (2,600 SF)
	IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ALL SODDED AREAS THAT BROWN-OUT OR HAVE NOT FIRMLY KNITTED TO THE SOIL BASE WITHIN A PERIOD OF 1 MONTH SHALL BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE OWNER. 12. ALL AREAS OF THE SITE THAT BECOME DISTURBED DURING CONSTRUCTION AND ARE NOT	
	TO BE PAVED, STONED, LANDSCAPED, OR SODDED SHALL BE SEEDED AND MULCHED. SEE MIXTURE SHALL BE AS FOLLOWS: KENTUCKY BLUEGRASS (CHOOSE 3 VARIETIES – ADELPHI, RUGBY, GLADE, OR PARADE) 30%	0 1944 0 1945 1945 1945
	RUBY RED OR DAWSON RED FINE FESCUE 30% ATLANTA RED FESCUE 20% PENNFINE PERENNIAL RYE 20%	AŘEA
	THE ABOVE SEED MIXTURE SHALL BE SOWN AT A RATE OF 250 LBS PER ACRE. PRIOR TO SEEDING, THE TOPSOIL SHALL BE FERTILIZED WITH A COMMERCIAL FERTILIZER WITH A 10-0-10 ANALYSIS:	1946
	10% NITROGEN – MIN 25% FROM A UREA FORMALDEHYDE SOURCE 0 % PHOSPHATE 10% POTASH – SOURCE POTASSIUM SULFATE OR POTASSIUM NITRATE THE FIRST FERTILIZER APPLICATION SHALL BE AT A RATE OF 10 LBS PER 1000 SQ FT O BULK FERTILIZER.	
	IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ANY PART OF THE AREA THA' FAILS TO SHOW A UNIFORM GERMINATION SHALL BE RE-SEEDED AND SUCH RE-SEEDING SHALL CONTINUE UNTIL A DENSE LAWN IS ESTABLISHED. DAMAGE TO SEEDED AREAS RESULTING FROM EROSION SHALL BE REPAIRED BY THE CONTRACTOR.	
	 13. ALL AREAS OF THE SITE SCHEDULED FOR SEEDING OR SODDING SHALL FIRST RECEIVE A 6-INCH LAYER OF CLEAN, FRIABLE TOPSOIL. THE SOIL SHALL BE DISCED AND SHALL BE GRADED IN CONFORMANCE WITH THE GRADING PLAN. 	
	14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES AND TO INFORM THE LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING LANDSCAPING.	
		A 25
	LANDSCAPE CALCULATIONS: PER SUPERIOR TOWNSHIP ZONING ORDINANCE	
	LANDSCAPING: TRANSITION BUFFER REQUIRED WHERE OFFICE AND COMMERCIAL USES ABUT A LOT IN A RESIDENTIAL ZONING DISTRICT	
	20 FT MIN. WIDTH TRANSITION STRIP IN VILLAGE CENTER DISTRICT, THIS BUFFER CAN BE 50% OF THE WIDTH REQUIRED = 10 FT WIDE	
	BUFFER SHALL BE PROVIDED ALONG EVERY LOT LINE, EXCEPT A FRONT LOT LINE WHICH IS CONTIGUOUS TO OR ACROSS THE STREET FROM A LOT IN SUCH DISTRICT	- FM TM O3 FM O3 O3
	- LANDSCAPING STRIP AT LEAST 20 FT WIDE SHALL BE PROVIDED	
	ALONG AND ADJACENT TO THE FRONT PROPERTY LINE, ALONG ALL STREET FRONTAGES, AND SHALL EXTEND ACROSS THE ENTIRE WIDTH OF THE LOT, SUBJECT TO THE FOLLOWING:	D D D D D D D D D D D D D D D D D D D
	- NO PARKING AREA, SIDEWALK OR SIMILAR IMPROVEMENT LOCATED IN THIS AREA - GREENBELTS:	
	REQUIRED WITHIN THE FRONT SETBACK AREA FOR PARKING LOTS AND AROUND NON-RESIDENTIAL PARKING LOT WITHIN 100' OF A RESIDENTIAL DISTRICT:	3"-4'HARDWOOD MULCH IN ALL LANDSCAPE BEDS
	- WIDTH: 15' WIDE IN FRONT YARD SETBACK, AND NOT LESS THAN 10' ELSEWHERE - ONE TREE PER 20' OF STREET FRONTAGE: 265 LF/20 = 14	LANDSCAPE BEDS
	TREES REQUIRED, 19 PROVIDED - 1/2 OF THE TREES SHALL BE EVERGREENS - ONE SHRUB 24" HIGH (MIN) PER 10' OF STREET FRONTAGE:	
	265 LF/10 = 27 SHRUBS REQUIRED, 28 SHRUBS PROVIDED AROUND PARKING	LANDSCAPE PLANT LIST
	 WITHIN PARKING LOTS WHICH CONTAIN 20 OR MORE PARKING SPACES: 15 SF PER PARKING SPACE: 32 SPACES * 15 SF = 480 SF 	KEY QUAN. BOTANICAL NAME COMMON NAME SHRUBS
	REQUIRED AREA PER ISLAND: 180 SF WITH ONE DECIDUOUS TREE PLANTING REQUIRED PROVIDED: TOTAL AREA PROVIDED WITHIN PARKING LOT 549 SF AND 2 DECIDUOUS TREES	BB07Hydrangea paniculata 'Bobo'Bobo Panicle HydrangeaBX13Buxus microphylla 'Wintergem'Wintergem BoxwoodEA14Euonymous alatus 'Compactus'Dwarf Burning BushJH29Juniperus horizontalisCreeping JuniperTM12Taxus x media 'Densiformis'Dense Japanese Yew
	- GREENBELT PROVIDED ON NORTH PROPERTY LINE : EVERGREEN SCREENING WITH 16 PROPOSED EVERGREEN TREES AND 4 PROPOSED DECIDUOUS TREES AND 1 EXISTING ELM TREE.	DECIDUOUS AND EVERGREEN TREES AC 06 Abies concolor White Fir CC 02 Cercis canadensis Eastern Redbud FM 05 Acer x freemanii 'Jeffersred' Autumn Blaze Maple RD 02 Acer rubrum 'Armstrong' 'Armstrong' Red Maple
	 REPLACEMENT TREES REQUIRED: (4) 50% OF (4) REQUIRED REPLACEMENT TREES ARE SATISFIED BY SCREENING/BUFFER REQUIREMENTS ABOVE = (2) DECIDUOUS TREES 	MA 02 Malus x 'JFS-KW5' Royal Raindrops Flowering Crabapple PA 09 Picea abies Norway Spruce TC 04 Tilia cordata 'Greenspire' Greenspire Littleleaf Linden PERENNIALS Example Description
	 OUTSIDE OF PARKING LOT; REMAINING 2 REPLACEMENT TREES PROVIDED OUTSIDE OF PARKING LOT REPLACEMENT TREE REQUIREMENT IS SATISFIED. 	PERENNIALS KF 14 Calamagrostis x acutiflora 'Karl Foerster' Karl Foerster Feather Reed Grass GR 178 Geranium 'Rozanne' Hardy Geranium, Cranesbill, planted 18" O.C MX 660 Perennial Mix (TBD) 1,475 SF Mix of perennials suitable to the site, planted 18" O.C. and selected by landscape contractor

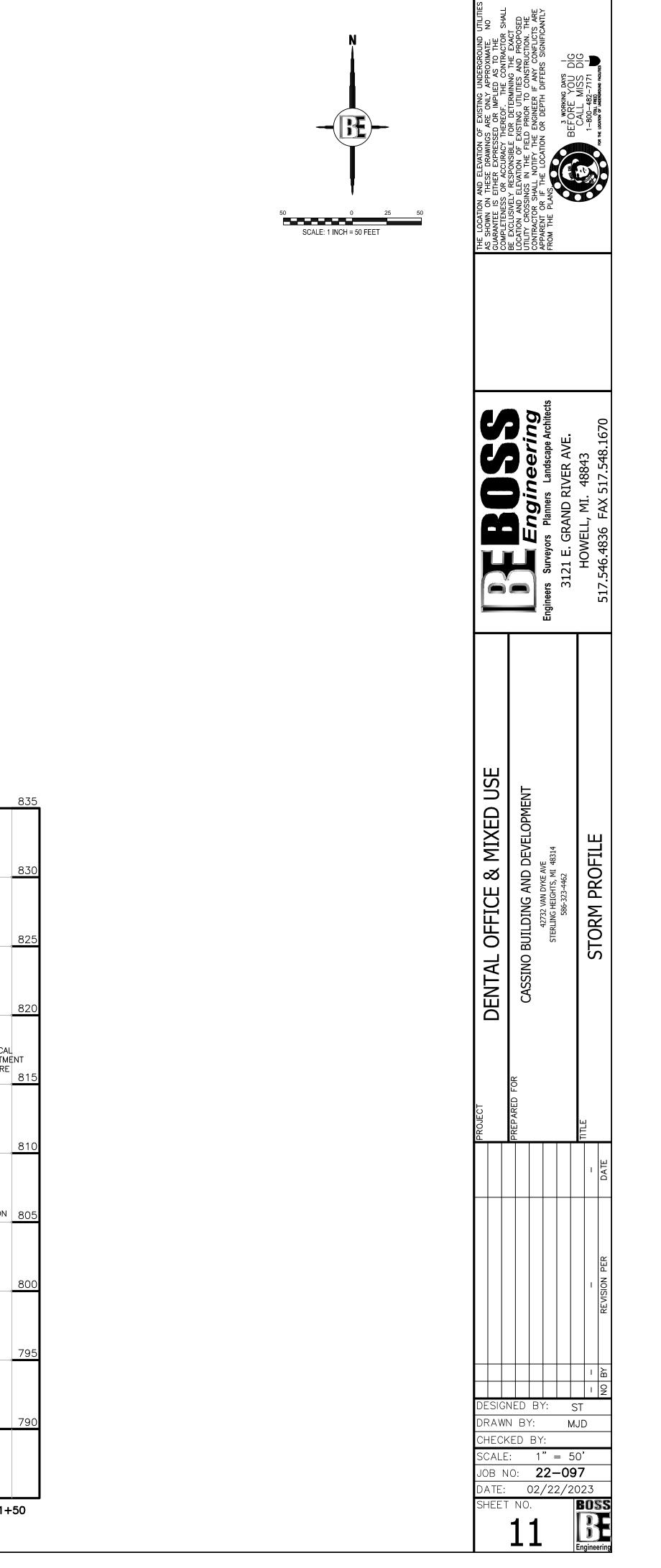


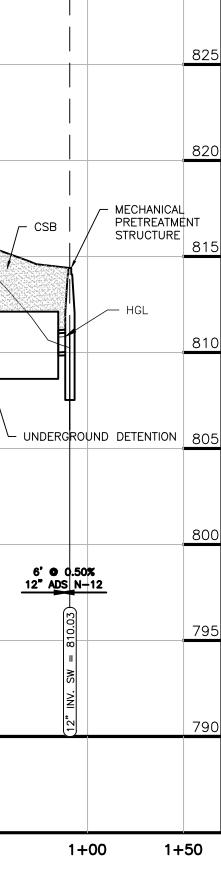


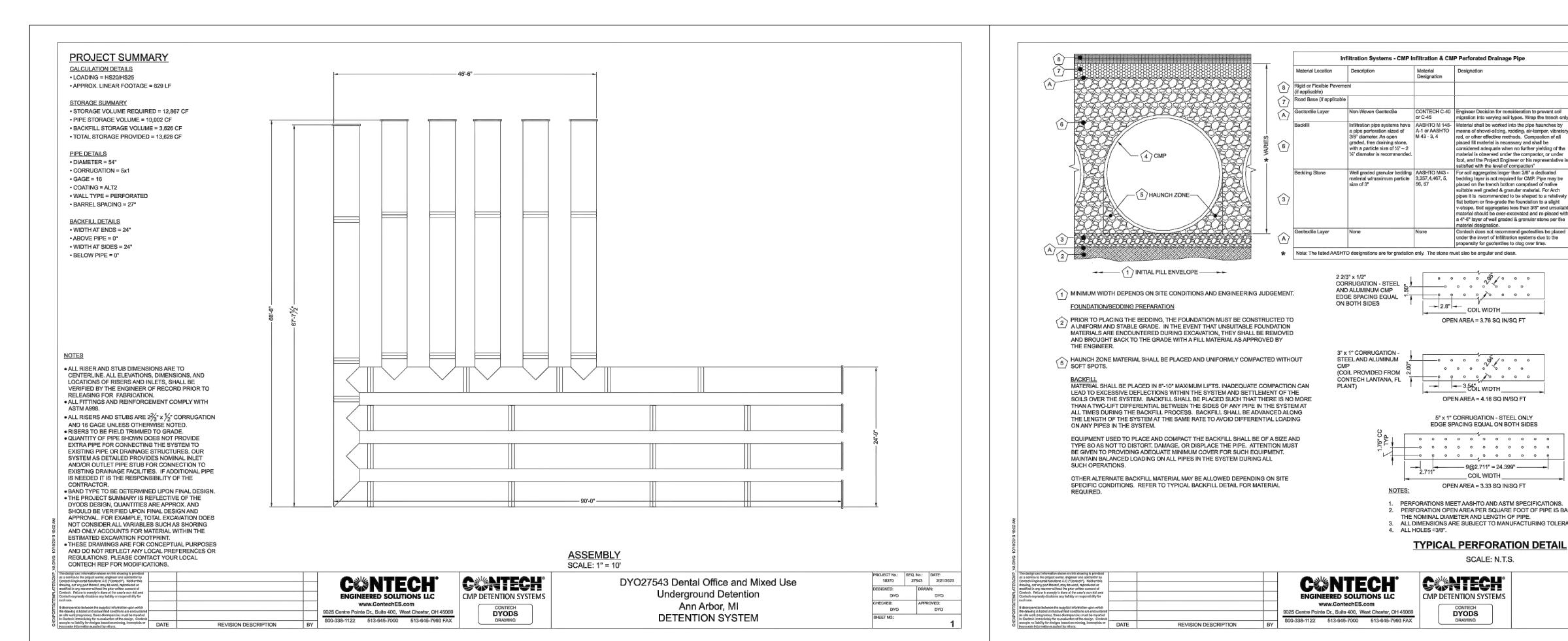


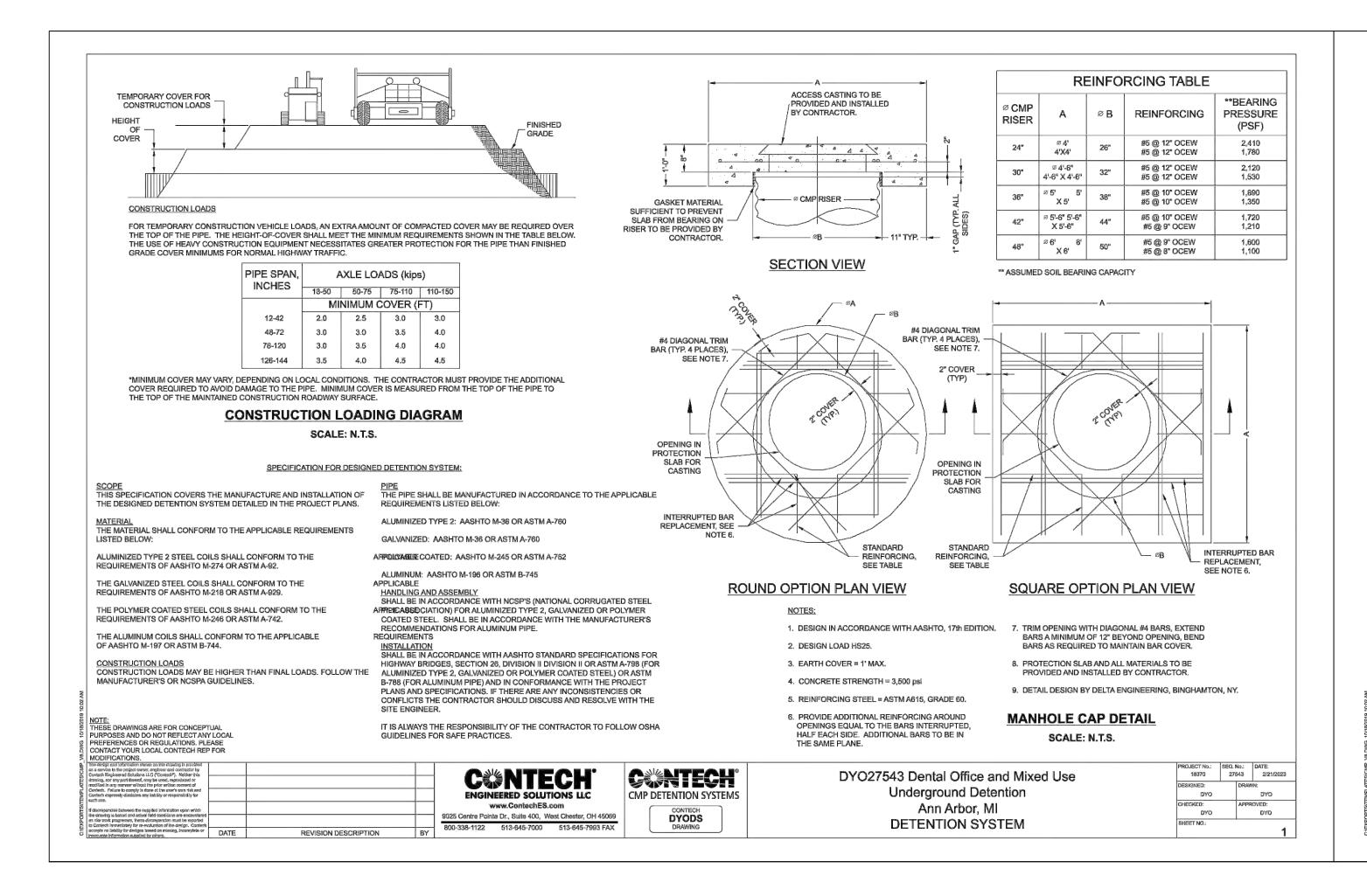








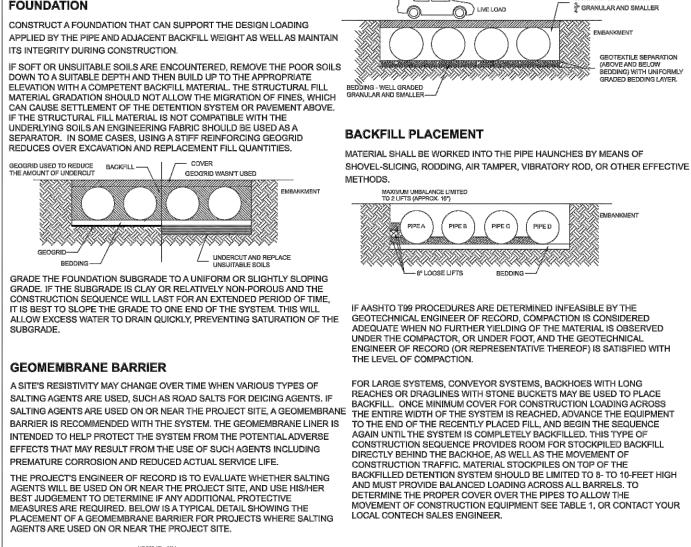


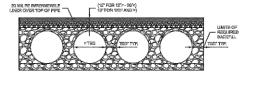


CMP DETENTION INSTALLATION GUIDE

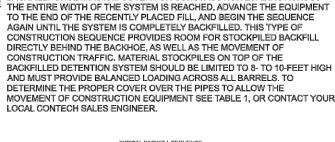
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FOUNDATION





REVISION DESCRIPTIC



- 6" LOOSE LIFTS

IN-SITU TRENCH WALL

OUTER MOST PIPES.

SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT.

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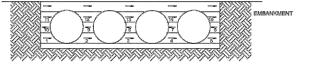
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PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO

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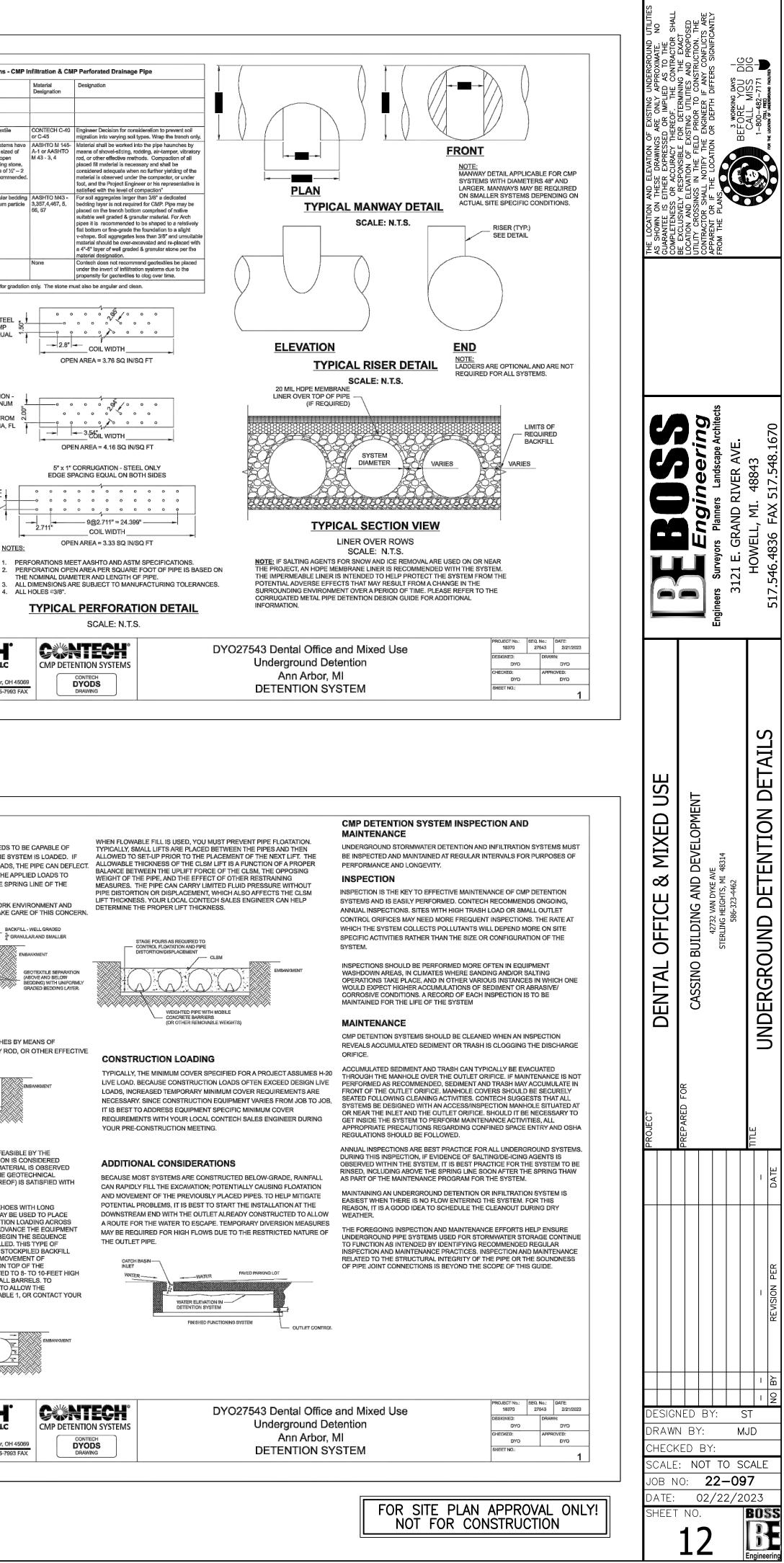
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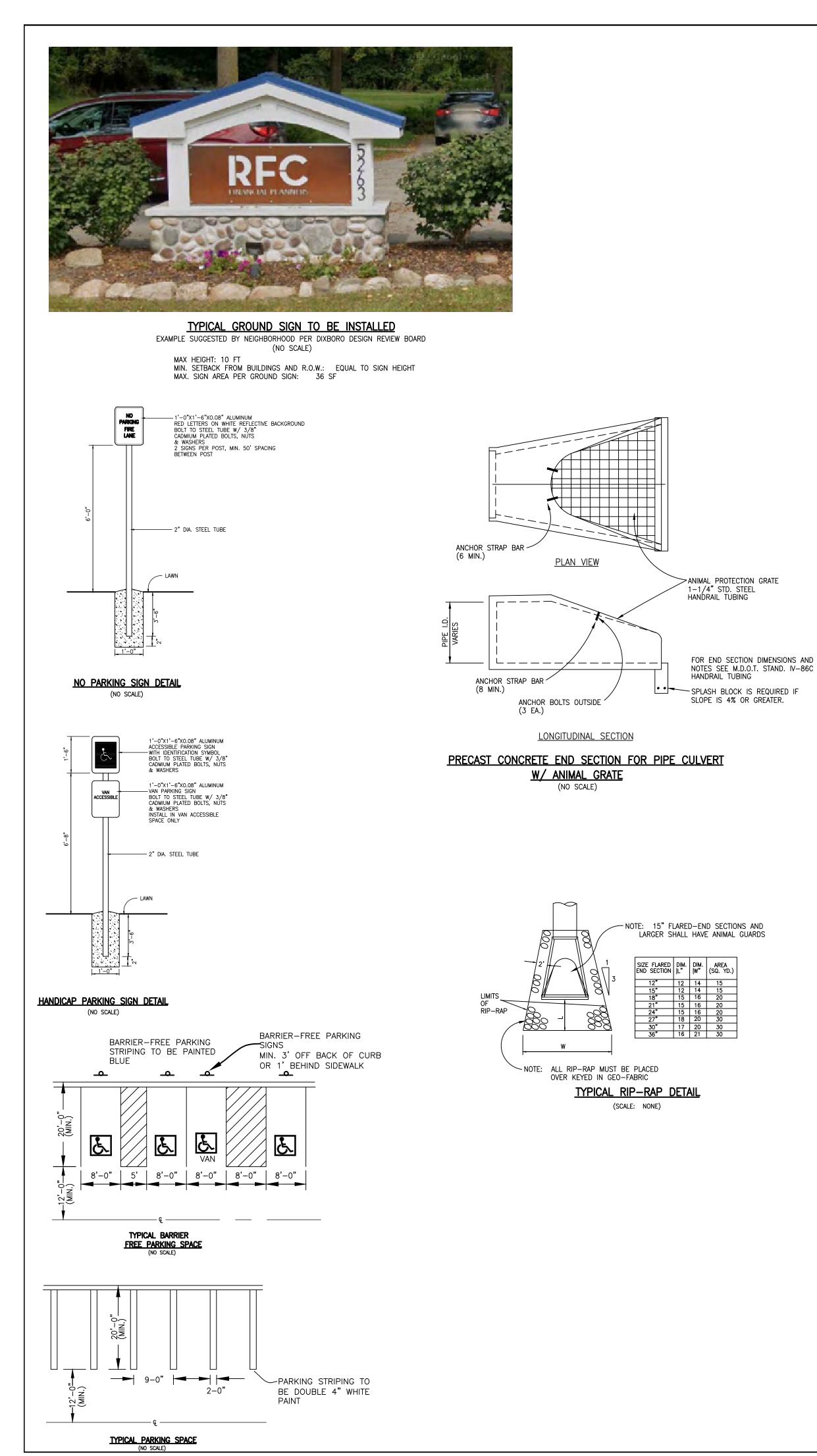


513-645-7000 513-645-7993 FAX

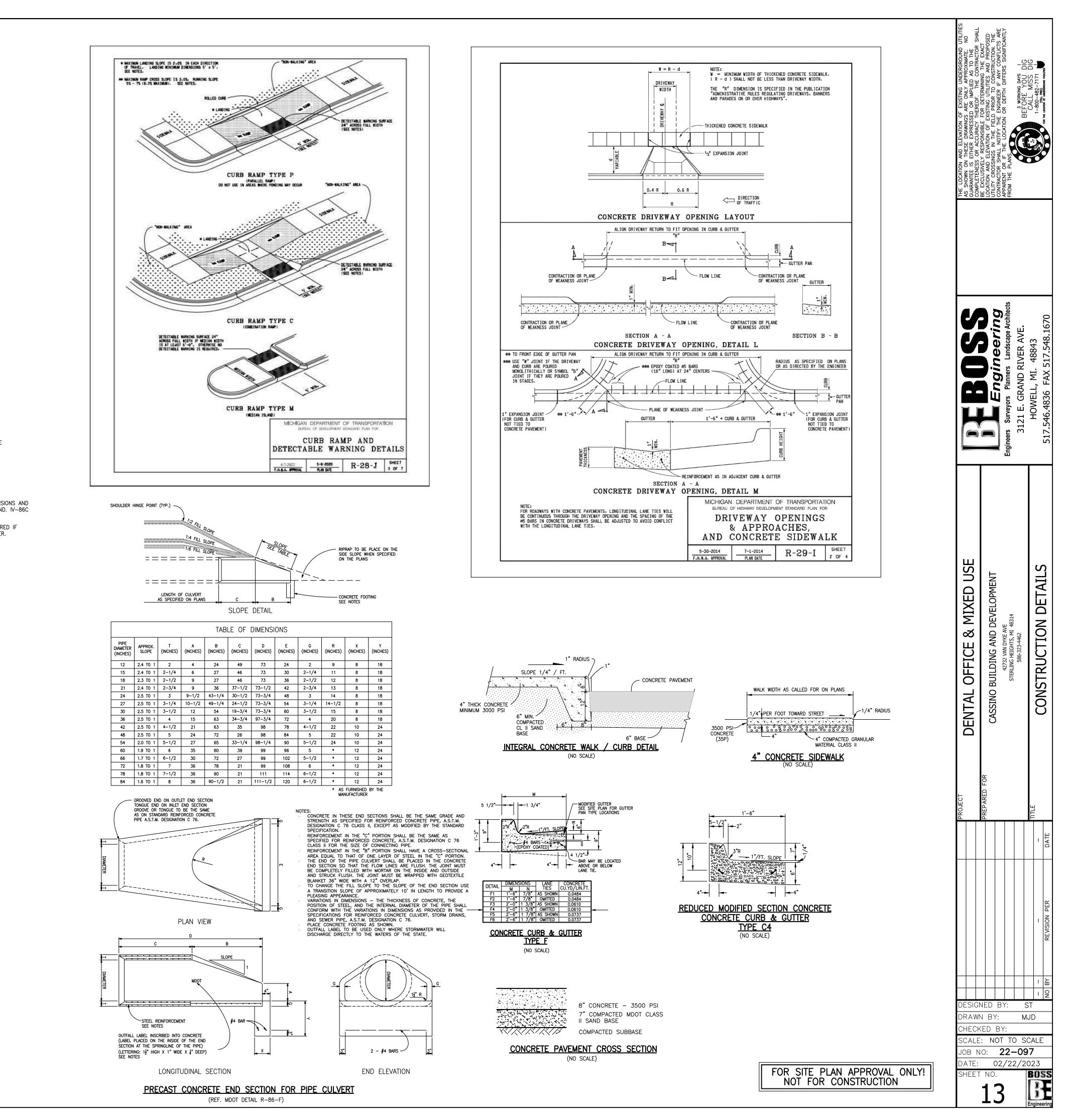


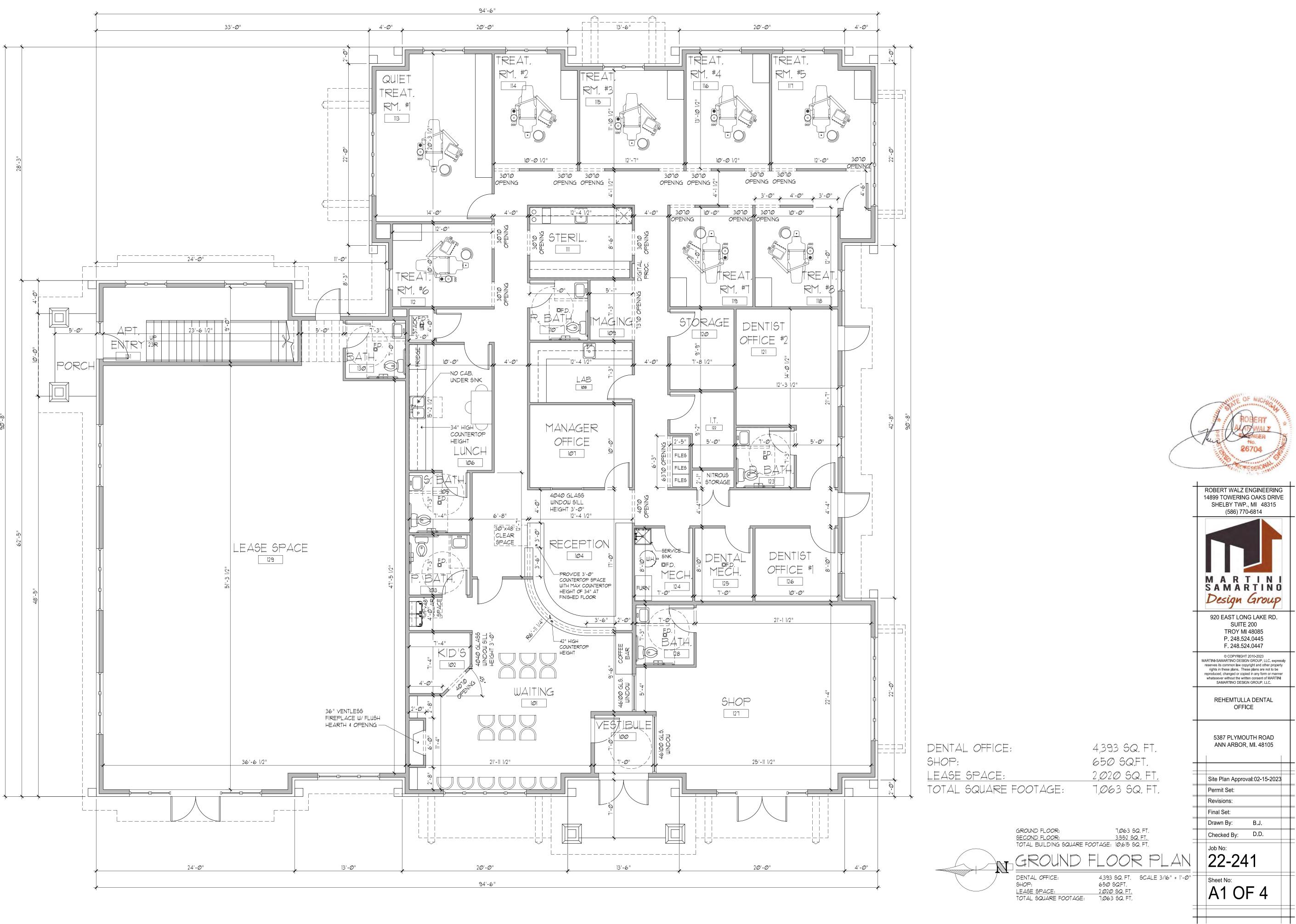
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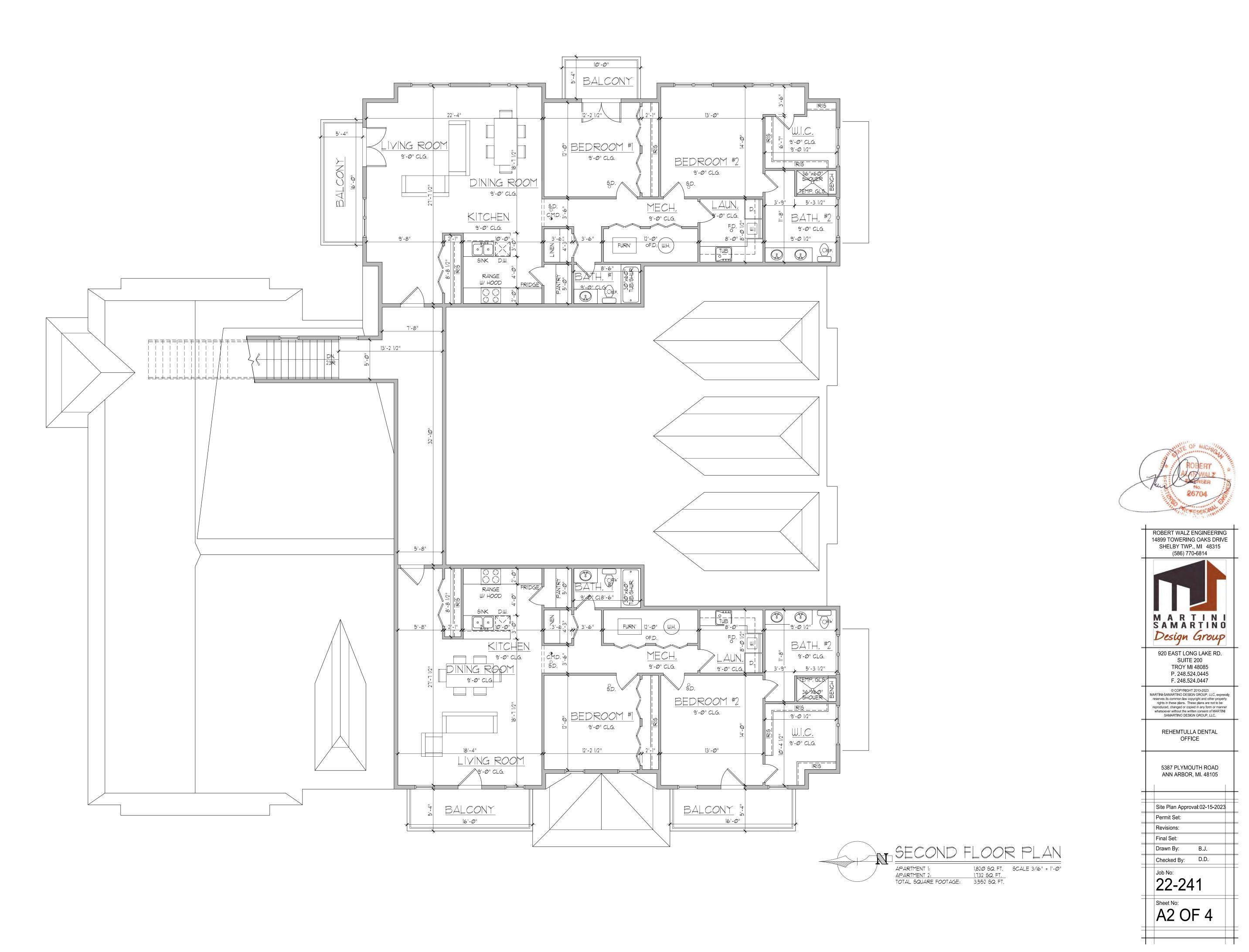




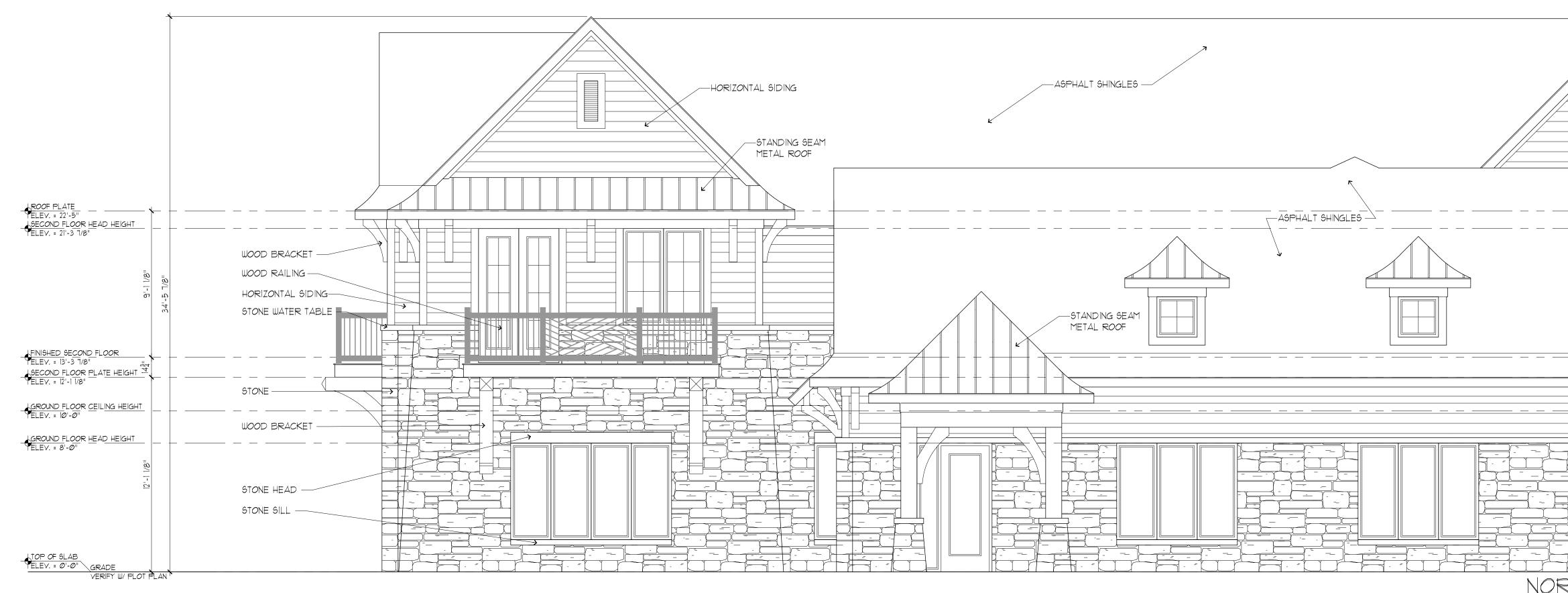
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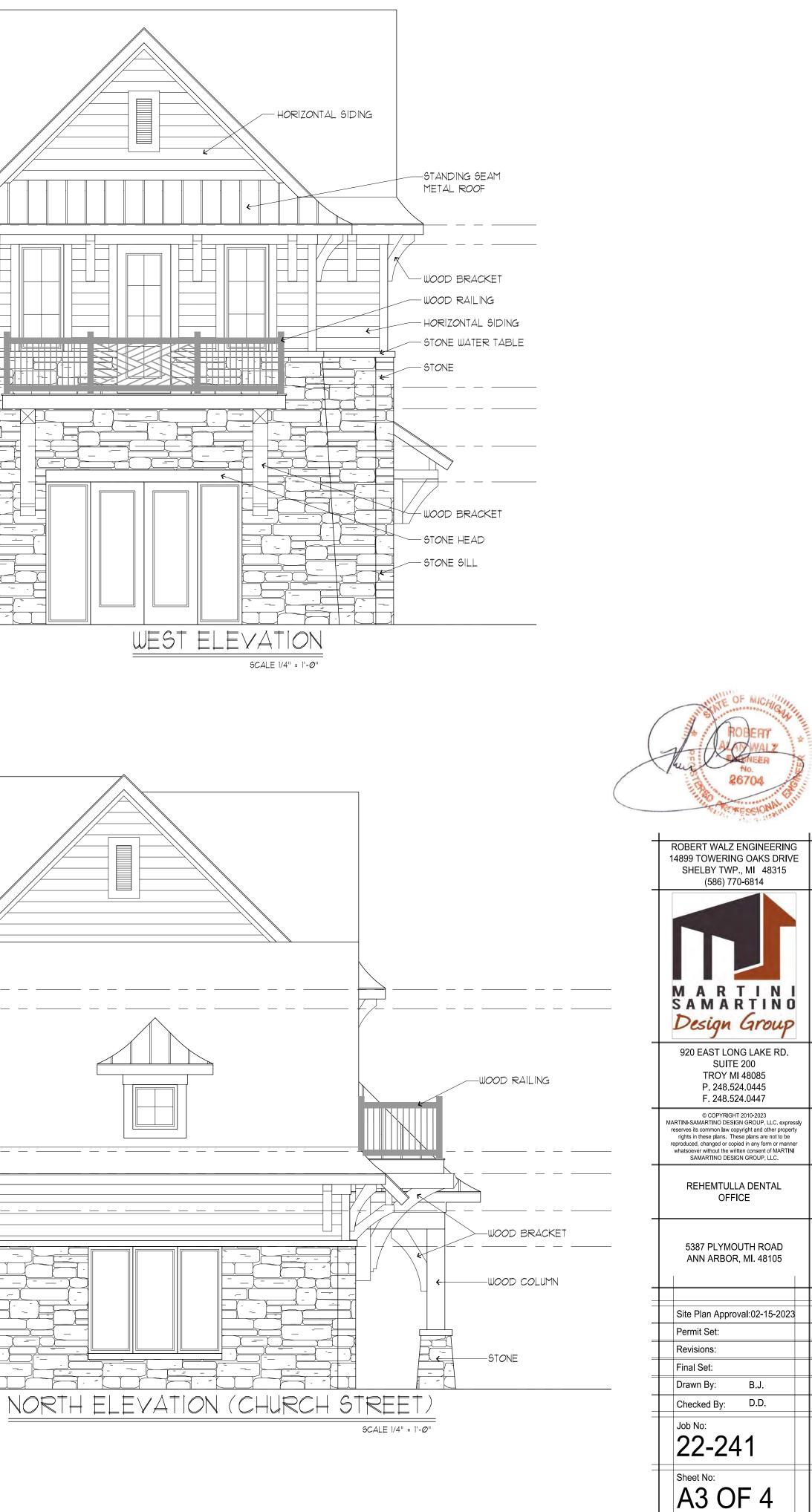








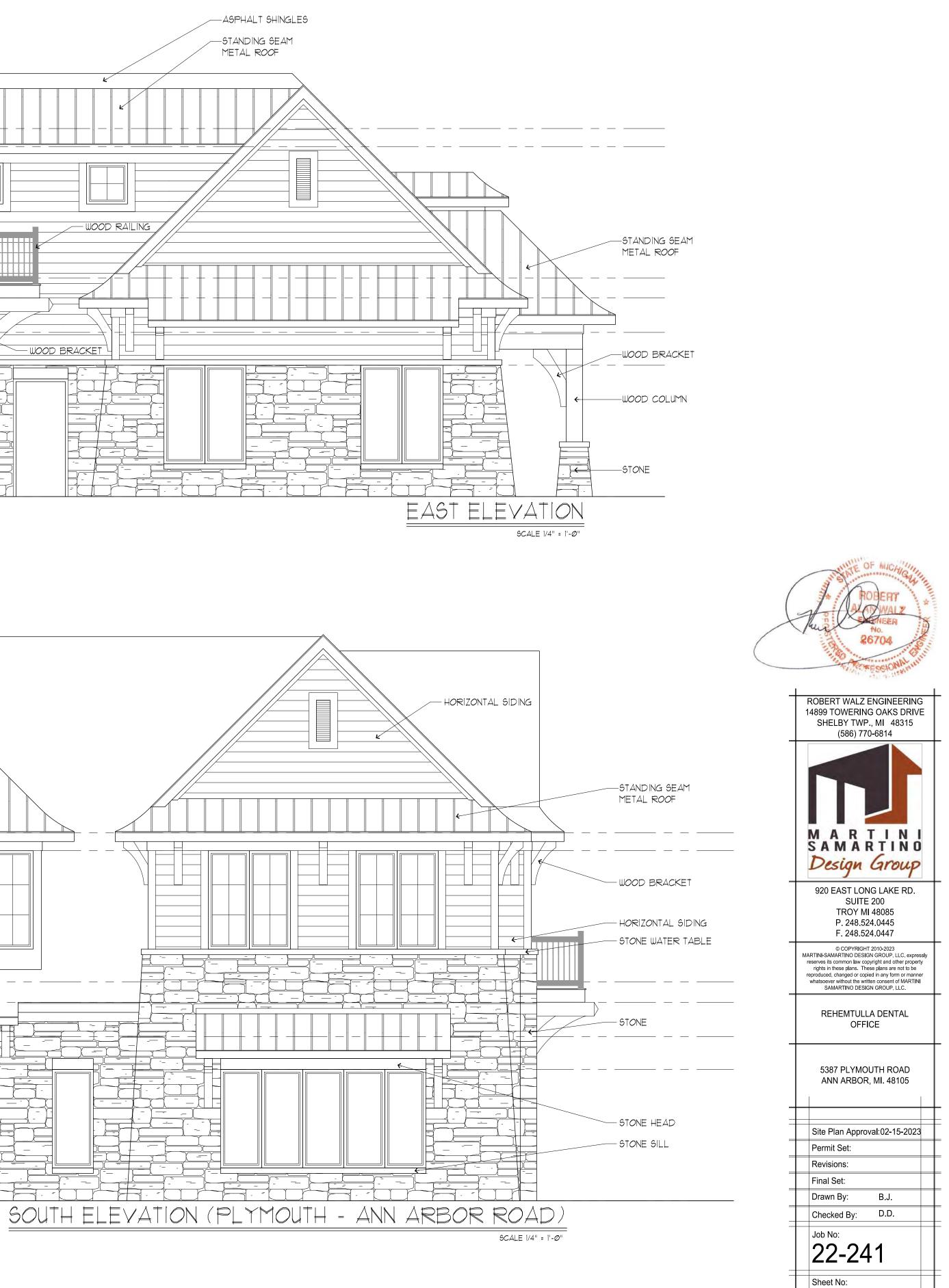






GRADE VERIFY W/ PLOT PLAN





A4 OF 4



















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

Date: March 13, 2023

Preliminary Site Plan Review For Superior Township, Michigan

Applicant:	Dr. Shyroze Rehemtulla
Project Name:	Huron Dental Mixed Use Development
Location:	5387 Plymouth Road
Plan Date:	February 22, 2023
Zoning:	VC, Village Center
Action Requested:	Preliminary Site Plan Approval

PROJECT DESCRIPTION

The applicant is proposing the development of a multiple use site at 5387 Plymouth-Ann Arbor Road. The 1.53-acre site is located at the corner of Church Street and Plymouth-Ann Arbor. The applicant proposes to improve the site with a +/10,500 sq/ft building and 32 space parking lot. The proposed uses include first floor dental office, gift shop, office space, and second floor two apartment units.

The site is zoned VC, Village Center. All uses proposed are permitted uses.

Huron Dental March 13, 2023

Aerial Photograph



The Zoning and existing land uses for the subject site and surrounding parcels are identified in the following table:

Direction	Zoning	Existing Use
North	VC and R-2	Single Family Residential
South	VC	Restaurant
East	R-1	Single Family Residential
West	VC	Vet

NATURAL RESOURCES

Topography: The site slopes towards the center of the site.

Woodlands: The site includes a number of large black walnuts, ten (10) of which are regulated. Of the ten (10) regulated trees, six (6) are proposed for protection, and four (4) will be removed. The applicant is providing all mitigation on site.

Wetlands: There are no delineated wetlands onsite.

Items to be Addressed: None

PREVIOUS PLANNING COMMISSION REVIEW

This project was reviewed as a concept by the Planning Commission on January 25, 2023. There were two points of discussion at that meeting:

- 1. Elevations, specifically the elevation that fronts on Plymouth Road.
- 2. Tree preservation, specifically preserving the black walnut trees adjacent to the parking lot.

CHANGES SINCE PLANNING CONCEPT REVIEW

The applicant made the following significant changes to the site plan:

- 1. Added architectural details to the Plymouth Road elevation to provide additional visual relief.
- 2. Reconfigured parking lot to preserve six (6) regulated trees.

ACCESS, AND CIRCULATION

The site will be accessed by one (1) point off Plymouth-Ann Arbor Road. The newly approved vet, just west of the site, will also be accessed off this point on Plymouth-Ann Arbor Road. Access and circulation seem sufficient. A cross-access easement shall be executed and recorded.

Items to be Addressed: A cross-access easement shall be executed and recorded.

AREA, WIDTH, HEIGHT, SETBACKS

The following table summarizes the Density, Placement, and Height Regulations for the site plan associated with this use. The table will use the typical or smallest dimensions provided for any lot.

	Required	Provided	Compliance
Lot Area	20,000 sq/ft	66,647 Square Feet	Complies
Lot Width	100 Feet	150 Feet	Complies
Front Setback (Min)	20 Feet	28 Feet	Complies
Front Setback (Max)	35 feet	28 feet	Complies
Side Setback	10 Feet	144 feet	Complies
Rear Setback	25 Feet	30 Feet	Complies
Ground Floor Coverage	25% Max	11%	Complies
Floor area Ratio	50% Max	Less than 50%	Complies
Building Height	35 Feet/2.5 Stories	34.5 Feet/2.5 Stories	Complies

Density, Placement, and Height Regulations

The building complies with all VC, Village Center bulk requirements.

Items to be Addressed: None

PARKING

Parking Requirements	Number of Spaces Required	Number of Spaces Required	Number of Spaces Proposed
Medical, Osteopathic, Chiropractic, Optical or Dental Office, Clinic or Laboratory; Massage Therapist, or Physical Therapy Facility Multiple-Family Housing, Town-houses, and Stacked Flats	One (1) per on-duty employee, plus one (1) per examination or treatment room. One and one-half (1.5) per dwelling unit with up to two bedrooms, and two (2) per three-bedroom or larger dwelling unit.	28	32
Retail Stores and Commercial Uses	One (1) per 250 square feet of floor area.		
Barrier-Free Spaces	2 spaces	2 space	Compliant
Loading spaces	0 spaces	0 spaces	Compliant

Parking is sufficient. We note that the drive-aisles are 24-feet wide, when 20-feet is required. Reducing the width of drive-aisles to 20-feet will reduce the onsite impervious surface and perhaps allow for additional tree preservation. Unless required by the Township Engineer or Fire Marshall, the applicant should reduce drive-width to 20-feet.

Items to be Addressed: Unless required by the Township Engineer or Fire Marshall, the applicant should reduce drive-width to 20-feet.

LANDSCAPING

The applicant has submitted a landscape plan. The Plan is compliant with ordinance requirements.

Items to be Addressed: None

LIGHTING

The applicant proposes five (5) parking lot lights and five (5) building lights. The proposed pole heights for fixtures C, should be reduced to 15-feet in height.

Items to be Addressed: Reduce height for Fixture C to 15-feet.

FLOOR PLANS AND ELEVATIONS

The proposed material includes stone on the first floor and second floor siding. The siding material is not indicated. The applicant has added architectural details to the Plymouth Road elevation to provide visual relief.



Items to be Addressed: Indicate horizontal siding material.

RECOMONDATION

We recommend preliminary site plan with the following conditions to be addressed in the final site plan submittal:

- 1. Unless required by the Township Engineer or Fire Marshall, the applicant should reduce drive-width to 20-feet.
- 2. Reduce height for Fixture C to 15-feet.
- 3. Indicate horizontal siding material.

Huron Dental March 13, 2023

Ben R. Cal

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

cc: Ken Schwartz, Township Supervisor Lynette Findley, Township Clerk Laura Bennett, Planning & Zoning Administrator George Tsakof, Township Engineer Cresson Slotten, Township Engineer



March 15, 2023

CHARTER TOWNSHIP OF SUPERIOR

3040 N. Prospect Road Ypsilanti, MI 48198

Attention: Lynette Findley, Township Clerk

Regarding: Huron Dental Mixed-Use Development Preliminary Site Plan - Review No. 1 OHM Job No. 0140-23-1010

Dear Ms. Findley,

On behalf of the Township, we have reviewed the Preliminary Site Plan submittal for the above referenced project, as submitted to the Township on February 22, 2023. In our opinion, this plan is ready for consideration by the Planning Commission at their March meeting regarding Preliminary Site Plan approval. We do offer the following comments that will need to be addressed by the Applicant at the Final Site Plan review stage.

- 1. On Sheet 2, we have the following comments:
 - a. The existing conditions plan should be sealed with the surveyor's professional stamp.
 - b. The existing conditions plan should include a note about the presence or absence of wetlands and floodplains on the subject parcel.
 - c. The surveyed property lines shown in plan view should identify the Point of Beginning that is described in the property's legal description.
 - d. The dimensions described in the legal description do not match those shown in plan view. For example, the northern property line is dimensioned in the plan view as N85°18'15"E 401.58' while the legal description describes a line continuing "North 88 degrees 24 minutes 05 seconds East 401.58 feet." The plan and/or the legal description should be updated to be consistent with each other.
 - e. The easement described next to the legal description under "Schedule B Section II..." does not appear in plan view. If the described easement exists on the subject parcel, it should be shown on the plans.
- 2. There is a line along the easterly side of the property that extends north across Church Street that based on the legend appears to be a fence line. If this is a fence it needs to be removed from Church Street and from the public right-of-way. If this line work represents something different, the line type should be changed to match the appropriate item in the legend. This comment applies to Sheets 2 through 8, and 11.
- 3. On Sheet 6, there are multiple proposed spot grades in the parking lot area identified as Top of Asphalt grades. These should be updated to identify Top of Concrete grades where concrete pavement is proposed.



- 4. There are two similar line types defined in the legend as "Limits of Grading/Clearing" and "Limits of Grading." It is suggested that one be called out at "Limits of Clearing" and the other as "Limits of Grading."
- 5. It is noted that Sheet 6 (Grading) and Sheet 7 (Utilities) indicate grading in the Church Street Right-ofway. Approval of grading in the public right-of-way must be obtained from the Washtenaw County Road Commission.
- 6. On Sheet 7, the proposed storm sewer surrounding the building and connecting to the underground detention system should be shown with the proposed storm sewer line type rather than the existing line type.
- 7. The stormwater narrative on Sheet 7 identifies the existing culvert near the southwest corner of the property as the ultimate outlet for site drainage. On the existing conditions plan on Sheet 2, it is noted that that this culvert is full of dirt and debris and is slightly sloped towards the property (from south to north) indicating that the culvert may have settled slightly. It is suggested that the Applicant make contact with the Washtenaw County Road Commission as the agency with jurisdiction of this culvert to have this culvert jetted (cleaned) and inspected to ensure that it is in proper condition to accept the outlet flow from this site.

Also, the Stormwater Narrative refers to "FES 05" and based on the plan it appears that this should be ES (End Section) 05.

- 8. The stormwater management design on the site plan should be consistent with Washtenaw County Water Resources Commissioner (WCWRC) Standards. Review and approval from WCWRC will be required at the Final Site Plan stage of the project. If the applicant has not already contacted the WCWRC regarding this project, they are encouraged to schedule a pre-application meeting with the WCWRC and follow-up with the required infiltration testing to facilitate their stormwater management design for WCWRC review and approval for the Final Site Plan stage of the project.
- 9. The soil erosion and sedimentation control (SESC) measures on the site plan should meet the requirements of the WCWRC Standards and will require review and approval from WCWRC at the Final Site Plan stage of the project.
- 10. The work proposed in the Church Street and Plymouth-Ann Arbor Road Rights-of-way should meet the requirements of the Washtenaw County Road Commission (WCRC). Review and approval from WCRC will be required at the Final Site Plan stage of the project.
- 11. The individual well and septic systems for the proposed development are to meet all requirements of the Washtenaw County Health Department's Environmental Health Division.



If you have any questions regarding our review, please do not hesitate to contact me at (734) 466-4585, or George Tsakoff at (734) 466-4439.

Sincerely, OHM Advisors

Cresson Slotten, PE Senior Project Manager

cc: Ken Schwartz, Township Supervisor (via e-mail) Bill Balmes, Building Department (via e-mail) Laura Bennett, Planning Coordinator (via e-mail) Ben Carlisle, CWA, Twp Planner (via email) Paul Montagno, CWA (via email) George Tsakoff, OHM file

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CHARTER TOWNSHIP OF SUPERIOR FIRE DEPARTMENT

FIRE MARSHAL DIVISION

7999 Ford Rd, Ypsilanti, MI 48198

March 15, 2023

Laura Bennett, Planning and Zoning Administrator Charter Township of Superior 3040 North Prospect Rd. Ypsilanti, MI 48198

RE:

Preliminary (non-residential)Site Plan Review #1Project Name:Huron Dental Mixed-Use DevelopmentProject Location:J-10-18-155-014Plan Date:2/22/2023Project Job Number:22-097Applicable Codes:IFC 2015Architect:Martini Samartino Design GroupEngineer Address:920 East Long Lake Road, Ste. 200B Troy, MI 48085

Status of Review

Status of review: Approved Conditionally (see comments)

Site Coverage - Access

Comments: On sheet 10 a 39' aerial truck was used for the circulation plan. A plan showing a 43' long and 8' 3" wide truck needs to be used for the circulation plan.

Looking forward to reviewing the architectural plans for this building and just as a reminder this building, will need fire suppression.

Sincerely,

Dan Kimball, Fire Marshal Charter Township of Superior Fire Department CFPS, CFI II, CFPE

Superior Township Site Plan Review Application Page 1 of 5 Revised 04/30/19

SITE PLAN REVIEW APPLICATION

(This application must be typewritten or printed. All questions must be answered.)

APPLICANT NAME Shaw Construction - Jaimie Provagna

NAME OF PROPOSED DEVELOPMENT HURON GASTRO CENTER FOR DIGESTIVE CARE

APPLYING FOR □ PRELIMINARY SITE PLAN □ FINAL SITE PLAN □ COMBINED PRELIMINARY AND FINAL SITE PLAN (Combination is at discretion of Planning Commission) MINOR SITE PLAN □ MAJOR/MINOR CHANGE DETERMINATION □ ADMINISTRATIVE REVIEW

WILL PROJECT BE PHASED?
VES NO

IF PROJECT IS PHASED COMPLETE THE FOLLOWING:

- Total number of phases N/A •
- Phase number of current application N/A
- Name and date of preliminary site plan approval
 - Date of Previous Phase Approvals: Phase # N/A Date Phase # Date Phase # Date Date Phase #

SEEKING ADDITIONAL APPROVAL FOR A CONDITIONAL USE DIVES NO

and Dennet

Signature of the Clerk or Designee

Date of Receipt of Application

2,800.00

Amount of Fee

Superior Township Site Plan Review Application Page 2 of 5 Revised 04/30/19

GENERAL INFORMATION

- Name of Proposed Development HURON GASTRO CENTER FOR DIGESTIV
- Address of Property 5300 ELLIOTT DRIVE, YPSILANTI, MI 48197
- Current Zoning District Classification of Property MS MEDICAL SERVICES DE

• Has this property been the subject of a rezoning request, Zoning Board of Appeals petition or other Township action with the past five (5) years?

Please explain

- Tax ID Number(s) of property 38-2073464
- Site Location Property is located on (circle one) N S E W side of Elliott Drive Road between Geddes and Clark Roads.
- Legal Description of Property (please attach a separate sheet) Where a metes and bounds description is used, lot line angles or bearings shall be indicated on the plan. Lot line dimensions and angles or bearings shall be based upon a boundary survey prepared by a registered surveyor and shall correlate with the legal description.

Site Area (Acreage) and Dimensions

Are there any existing structures on the property? YES NO
 Please explain: Building is existing

Superior Township Site Plan Review Application Page 3 of 5 Revised 04/30/19

PROPOSED LAND USE

□ Residential

□ Office

□ Commercial

Other

If other, please specify MEDICAL SERVICES

- Number of units 1
- Total floor area of each unit
- Give a complete description of the proposed development.

ESTIMATED COSTS

- Buildings and other structures
- Site improvements \$???? + permits + fees
- Landscaping
- Total \$???? + permits + fees

ESTIMATED DATES OF CONSTRUCTION

- Initial construction March/April 2023
- Project completion Completed in (1) business day
- Initial construction of phases (IF APPLICABLE)
- Completion of subsequent phases. (IF APPLICABLE)______
- Estimated date of first occupancy

IDENTIFY EACH DRAWING SUBMITTED BY NAME OF PLAN OR DRAWING, DATE AND DRAWING NUMBER (ATTACH ADDITIONAL SHEET IF NECESSARY)

	APPLICANT INFORMATION
•	APPLICANTS NAME Jaime Providing Company Huron Gastro Center for Digestive Care Address 5300 Elliott Drive, Ypsilanti, MI 48197
	Address 248-302-3858 Email deborahm@hurongastro.com
•	PROPERTY OWNER'S NAME Company Golfside Holdings LLC
	Address 5300 Elliott Dr Telephone NumberEmail
•	DEVELOPER'S NAME Company
	Address Telephone Number Email Enclose Discourse Discourse
•	ENGINEER'S NAME Company Address
•	Telephone Number Email ARCHITECT/PLANNER'S NAME
	CompanyAddress
	Telephone Number Email Superior Charter Township, 3040 N. Prospect Rd., Ypsilanti, MI 48198

Telephone: 734-482-6099 Website: superiortownship.org Fax 734-482-3842

Superior Township Site Plan Review Application Page 5 of 5 Revised 04/30/19

The applicant indicated on page 4 must sign this application. All correspondence regarding the application and plan will be directed to the applicant. If the applicant is not the property owner, the owner's signed consent must also be provided with this application.

APPLICANT'S DEPOSITION

I hereby depose and certify that all information contained in this application, all accompanying plans and all attachments are complete and accurate to the best of my knowledge.

APPLICANT'S PRINTED NAME: Damie Provagi	75
APPLICANT'S SIGNATURE	DATE/6.2027
PROPERTY OWNER'S PRINTED NAME	he Neilance
PROPERTY OWNER'S SIGNATURE Leporch My, Jules	DATE 1.16.2023

huron gastro

Huron Gastro Center for Digestive Care 5300 Elliott Drive Ypsilanti, Michigan 48197 T: 734.528.1417 F: 734,712.2820 www.hurongastro.com

Larry A. Adler, M.D. Robert L. Stoler, M.D. M. Patricia Mortell, M.D. John W. Walsh, M.D. Naresh T. Gunaratnam, M.D. Andrew T. Catanzaro, M.D. Ali Yazdani, M.D. Najm M. Soofi, M.D. Mark D. Zeglis, M.D. Stevany L. Peters, M.D. Michael R. Fine, M.D. Anthony T. DeBenedet, M.D. Stephen Berger, M.D. Paul Corsello, M.D. Miriam R. Thomas. M.D. Lisa M. Glass, M.D. Timothy M. McGorisk, M.D. Jill Duda, P.A.-C Fred Kominars, P.A.-C Mark J. Velarde, P.A.-C Kristin Minnema, P.A.-C Jessica E. Borchert, NP

January 16, 2023

RE: Additional Signage Request

To whom it may concern:

The patients of Huron Gastro have expressed difficulty finding the Huron Gastro practice because the name of the practice is not located on the building or signage. Huron Gastro is requesting to add their name on the East and West sides of the building located at 5300 Elliott Drive, Ypsilanti, Mi.

The Golfside and HG Boards have provided their approval for the signage. As a condition of the ground lease between Golfside Holdings LLC and Trinity Health this request was presented to the legal team at Trinity Health. This request was approved by the legal team.

Sincerely,

pertulare

Deborah McNeilance, COO

dsm

Location: 5300 Elliott Drive, Ypsilanti, MI 48197 (A) FRONT MAIN ENTRANCE ADJACENT TO PARKING LOT • Install: to right of existing lettering (B) REAR PATIENT PICKUP / EXIT ONLY • Install: to left of existing lettering Qty. (2) Sets of 1/4" thick Aluminum, Flat-cut Dimensional Lettering, Painted Satin Black Mount: Stud mount to brick (and adhesive where necessary) • Add to existing lettering per allowable SCALE: 3/4"=1'-0"

HURON GASTRO

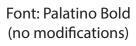






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Location: 5300 Elliott Drive, Ypsilanti, MI 48197 (A) FRONT MAIN ENTRANCE ADJACENT TO PARKING LOT • Install: to left of existing lettering (B) REAR PATIENT PICKUP / EXIT ONLY • Install: to left of existing lettering Qty. (2) Sets of 1/4" thick Aluminum, Flat-cut Dimensional Lettering, Painted Satin Black Mount: Stud mount to brick (and adhesive where necessary) • Add to existing lettering per allowable SCALE: 3/4"=1'-0"

HURON GASTRO 13'-6" Overall Width



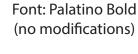




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WEST ELEVATION

EAST ELEVATION



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

Date: February 15, 2023

Minor Site Plan Amendment - Sign For Superior Township, Michigan

Project Name:	Huron Gastro
Location:	5300 Elliott Drive
Plan Date:	January 16, 2023
Zoning:	MS, Medical Service
Action Requested:	Minor Site Plan Amendment – Sign

PROJECT DESCRIPTION

The owner of Huron Gastro is seeking to amend their site plan to add a sign to both the east and west elevations of the building located at 5300 Elliott Drive. The applicant notes that patients have difficulty finding the Huron Gastro practice because the name of the practice is not located on the building or signage.

SIGNS IN MS, MEDICAL SERVICE DISTRICT

As set forth in Section 9.07, any sign in the MS Special Districts that seeks an increase by over 10% requires a minor amendment to the approved site plan approval by the Planning Commission.

SIGN

On both the east and west elevation there is a current "Center for Digestive Care" sign that is +/-312 sq.ft. The applicant is seeking approval to add "Huron Gastro" to the existing "Center for Digestive Care" for both elevations. The proposed "Huron Gastro" sign is 13.5 feet x 15 feet, which is 202.5 square feet. The applicant seeks to increase the total sign area by +/-54%. The "Huron Gastro" addition matches the existing lettering size, font, and color. The applicant has presented two options for consideration. The only difference between Option A and Option B is that the "Huron Gastro" is located to the right of the existing door for Option A along the west elevation and is located adjacent to the Center for Digestive Care for Option B along the west elevation. The proposed sign size, font, and color are the same for both options.

The maximum size of walls signs is 10% of the signable area of the building space occupied by the use. Even with the proposed addition, the total sign area is less than 10% of the building space.

PLANNING COMMISSION ACTION

Minor changes, as determined by the Planning Commission per Section 7.106C (Minor Changes), shall require Planning Commission approval, including, at the Commission's discretion, revised site plan drawings. The Planning Commission shall notify the Township Board and other applicable agencies if it approves a minor change.

Sen R. C.l.

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

cc: Ken Schwartz, Township Supervisor Lynette Findley, Township Clerk Laura Bennett, Planning Coordinator George Tsakoff, Township engineer