

GRIFFIN FUNERAL HOME JSP17-13

Griffin Funeral Home JSP17-13

Public hearing at the request of Novi Funeral Home, LLC for Special Land Use Permit, Preliminary Site Plan, and Stormwater Management Plan Approval. The subject property is located in section 20, at the southwest corner of Eleven Mile Road and Beck Road and is zoned RA (Residential Acreage). The applicant is proposing to construct a 13,000 sq. ft. building, 98 parking spaces, 23 landbank parking spaces, and associated site improvements for use as a funeral home. A special land use is required for a non-residential use in a residential zoned property.

Required Action

Approve/Deny the Special Land Use Permit, Preliminary Site Plan, and Stormwater Management Plan

REVIEW	RESULT	DATE	COMMENTS
Planning	Approval recommended	03-30-17	 Special Land Use for proposing mortuary establishment in Residential Acreage (RA) Approval of up to 23 landbank parking spaces Waiver for not providing a noise impact statement Determination of adequacy of proposed 12 spaces for assembly Items to be addressed by the applicant prior to Final Site Plan approval
Engineering	Approval recommended	03-31-17	 City Council design and construction standards variance for absence of sidewalk along Eleven Mile Road Items to be addressed by the applicant prior to Final Site Plan approval
Landscaping	Approval recommended	03-23-17	 Waiver for not meeting the minimum height required for berm along western property line Waiver for absence of required berm and buffer along south property line due to future anticipated non-residential use Waiver for reduction of minimum required street trees along Beck Road Items to be addressed by the applicant prior to Final Site Plan approval
Traffic	Approval recommended	04-04-17	Items to be addressed by the applicant prior to Final Site Plan approval
Wetlands	Approval recommended		 Administrative approval of minor wetland permit Letter of authorization for encroaching into 25 foot wetland buffers

			 Applicant to contact MDEQ for any additional permits Items to be addressed by the applicant prior to Final Site Plan approval
Woodlands	Not Applicable		
Façade	Approval recommended	03-29-17	
Fire	Approval recommended	03-21-17	Items to be addressed by the applicant prior to Final Site Plan approval

MOTION SHEET

Approval - Special Land Use Permit

In the matter of Griffin Funeral Home JSP17-13, motion to **approve** the <u>Special Land Use</u> <u>Permit</u> based on and subject to the following:

- a. The proposed use will not cause any detrimental impact on existing thoroughfares (based on Traffic review);
- b. The proposed use will not cause any detrimental impact on the capabilities of public services and facilities (as this area was already planned for development);
- c. The proposed use is compatible with the natural features and characteristics of the land (because the plan has minor impacts on existing natural features);
- d. The proposed use is compatible with adjacent uses of land (because the proposed use conforms to the standards of the district and the requirements of mortuary establishments);
- e. The proposed use is consistent with the goals, objectives, and recommendations of the City's Master Plan for Land Use (the project creates an aesthetically pleasing development, especially in residential areas);
- f. The proposed use will promote the use of land in a socially and economically desirable manner (as the proposed use will provide a service needed in the community);
- g. The proposed use is (1) listed among the provision of uses requiring special land use review as set forth in the various zoning districts of this Ordinance, and (2) is in harmony with the purposes and conforms to the applicable site design regulations of the zoning district in which it is located; and
- h. (additional comments here if any)

(This motion is made because the plan is otherwise in compliance with Article 3, Article 4, Article 5, and Article 6 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

Approval - Preliminary Site Plan

In the matter of Griffin Funeral Home JSP17-13, motion to **approve** the <u>Preliminary Site</u> <u>Plan</u> based on and subject to the following:

- a. Approval of up to 23 landbank parking (121 required, 98 provided, 23 land banked) due to Planning Commissions finding below, which is hereby granted;
 - i. The applicant has demonstrated through substantial evidence that the specified occupant and building use will require less parking than what is required by the Zoning Ordinance;
 - ii. Parking will not occur on any street or driveway;
 - iii. Parking will not occur on any area not approved and developed for parking;
 - iv. Parking will not occur on that area where parking construction has been landbanked until such time as that area is constructed for such parking;
 - v. The requested parking landbanking will not create traffic or circulation problems on or off site; and
 - vi. The requested parking lankbanking will be consistent with the public health, safety and welfare of the City and the purposes of the Zoning Ordinance:
- b. Waiver for absence of noise impact statement due to the nature of use, which is hereby granted;

- c. Landscape waiver from Section 5.5.3.B.ii and iii to permit reduction of required height for berm along western property line (4.5 feet to 6 feet required) provided the minimum required opacity for screening is met along the property line, which is hereby granted;
- d. Landscape waiver from Section 5.5.3.B.ii for absence of required berm along southern property, due to applicants written intent that the property to the south will be developed non-residential and to retrofit the site to provide the required buffer and screening if it is developed residential in future, which is hereby granted;
- e. Landscape waiver from section 5.5.3.E.i.c for reduction of minimum required street trees along Beck Road (13 required, 10 provided) due to conflicts with corner clearance, which is hereby granted;
- f. City Council Variance from Section 11-256.b of Design and Construction Standards Manual for absence of required sidewalk along Eleven Mile Road due to practical difficulties for extension of sidewalk beyond the site boundary, provided the applicant pays the city the current construction cost of the sidewalk, as approved by the City Engineer;
- a. The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those letters being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

Approval - Stormwater Management Plan

In the matter of Griffin Funeral Home JSP17-13, motion to **approve** the <u>Stormwater Management Plan</u> based on and subject to the following:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- OR -

Denial - Special Land Use Permit

In the matter of Griffin Funeral Home JSP17-13, motion to **deny** the <u>Special Land Use</u> <u>Permit</u>...(because the plan is not in compliance with Article 4, Article 5, and Article 6 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

Denial - Preliminary Site Plan

In the matter of Griffin Funeral Home JSP17-13, motion to **deny** the <u>Preliminary Site Plan</u>...(because the plan is not in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

Denial - Stormwater Management Plan

In the matter of Griffin Funeral Home JSP17-13, motion to **deny** the <u>Stormwater Management Plan</u>...(because the plan is not in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

MAPS
Location
Zoning
Future Land Use Natural Features

17-13 Griffin Funeral Home (SLU)

Location Map





LEGEND





City of Novi

Dept. of Community Development City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 cityofnovi.org

Map Author: Sri Komaragiri Date: 04/13/17 Project:17-13 Griffin Funeral Home Version #: 1

0 20 40 80 12



1 inch = 108 feet

MAP INTERPRETATION NOTICE

17-13 Griffin Funeral Home (SLU) Zoning Map R-3 RA -Eleven-Mile-Rd-RA **Subject Property** RA -Sierra-Dr-RA



LEGEND Sections R-A: Residential Acreage R-1: One-Family Residential District R-3: One-Family Residential District R-4: One-Family Residential District RM-1: Low-Density Multiple Family RM-2: High-Density Multiple Family

I-2: General Industrial District
OS-1: Office Service District
OSC: Office Service Commercial



City of Novi

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Fee 0 20 40 80 120



1 inch = 108 feet

MAP INTERPRETATION NOTICE

17-13 Griffin Funeral Home (SLU)

Future Land Use





LEGEND

Sections

FUTURE LAND USE

- Single Family
- Multiple Family
- Suburban Low-Rise
- Community Office
 - Office RD Tech
- Office Commercial
- Industrial RD Tech
 - Educational Facility
- Public Park
- Private Park

Utility



City of Novi

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Map Author: Sri Komaragiri Date: 04/13/17 Project:17-13 Griffin Funeral Home Version #: 1

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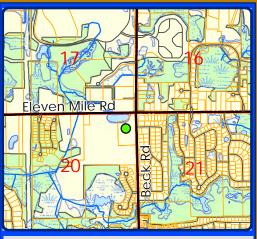
1 inch = 108 fee

MAP INTERPRETATION NOTICE

17-13 Griffin Funeral Home (SLU)

Natural Features





LEGEND









City of Novi

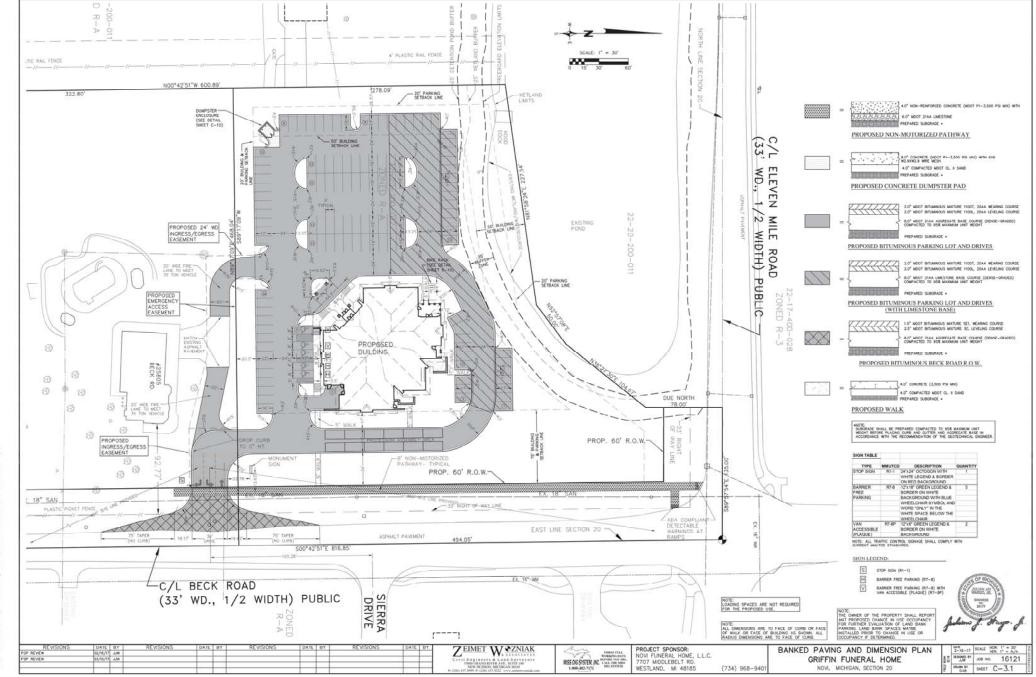
Dept. of Community Development City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 cityofnovi.org

Map Author: Sri Komaragiri Date: 04/13/17 Project:17-13 Griffin Funeral Home

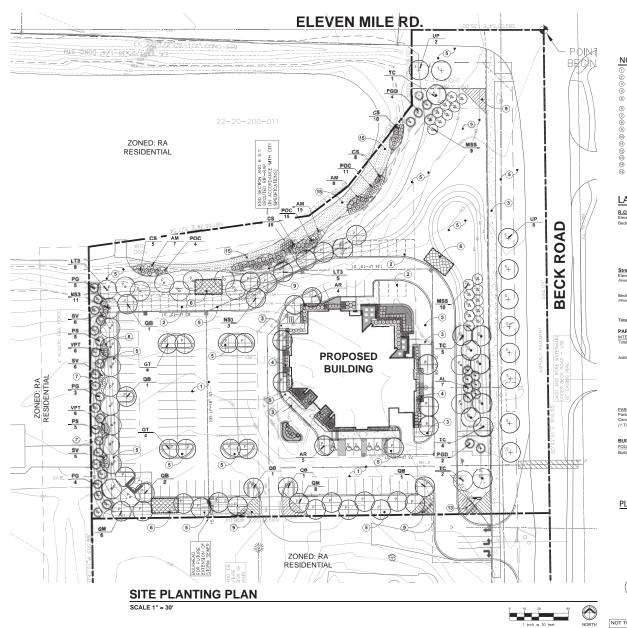


MAP INTERPRETATION NOTICE

SITE PLAN (Full plan set available for viewing at the Community Development Department.)



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NOTE KEY: • ①

CONCRETE SIDEWALK - SEE CIVIL DWGS.

(B) SNOW DEPOSIT AREA

B SHOVEL CUT BED EDGE TYPICAL

9 25' CLEAR VISION TRIANGLE 2° DIA EGGSTONE OVER FILTER MA

(1) 4" RYERSON STEEL EDGING. * THICK

(13) PROJECT SIGN - SEE ARCH, DRAWINGS.

(S) NATIVE SEEDING, SEED TO EDGE OF WATER, SEE MIX SHEET LP-3

LANDSCAPE DATA

Eleven Mile Road Frontage:	76 In. ft.
Beck Road Frontage:	434 In. ft.
Total Frontage:	510 In. ft
Canopy/Evergreen Trees Req.: (1 Tree/ 35 In. ft.)	15 Trees
Canopy/ Evergreen Trees Prov.:	15 Trees
Sub-Canopy Trees Req.: (1 Tree/20 In. ft.)	26 Trees
Puls Conomy Tropp Brown	20 Trans

od From Sight Dist. Tria (1 Tree/ 45 In. ft.) Trees Required: 1 Trees 385 In. ft.

9 Trees Total Trees Provided: 10 Trees

PARKING LOT INTERIOR PARKING LOT LANDSCAPING Total Square Footage of Parking Spaces: 16,316 s.f. al Square Footage of Parking Spaces:
Required Landscape Area:
(Parking space s.f. x 0.10 s.f.)
Itilional Paved Vehicular Use Area:
Required Landscape Area:
(V.U.A. x 0.05 s.f.)
Total s.f. of Landscape Area Req.:
Total s.f. of Landscape Area Prov. 1.632 s.f.

3,368 s.f. 3,622 s.f. Parking Lot Tree Requirement: Total Trees Required (1 per 75 s.f.): Total Trees Provided:

PARKING PERIMETER LANDSCAPING Parking Lot Perimeter: CanopylEvergreen Trees Req.: (1 Tree/35 In. ft.) Total Trees Provided: 23 Trees

BUILDING OUNDATION PERIMETER LANDSCAPING ding Perimeter: Landscape Area Req.:

PLANTING KEY



GREENBELT TREES



⊕ € BUFFER TREES



NOT TO BE USED AS CONSTRUCTION DRAWING



GENERAL PLANTING REQ.

P SOD SHALL BE TWO YEAR OLD 1 BLUE GRASS GROWN IN A SOD R

PLANT MIX

1 - 6 CU FT. BALE CANADIAN PEAT

PER 100 SQ FT BED AREA.

HAND TILL INTO SOIL TO A DEPTH OF 12" MINIMUM

MULCH

NO GROUND WOOD PALETTE MULCH PERMITTED

TOPSOIL

CONTRACTOR TO TILL OR DISK SUBGRADE TO 4" DEPT AND INSTALL 4" COMPACTED DEPTH TOPSOIL IN ALL LAWN AREAS - TOPSOIL SHALL BE PROVIDED BY CONTRACTOR

PLANT KEY



IRRIGATION

ALL LANDSCAPE AREAS WILL BE IRRIGATED WITH A FULLY AUTOMATIC IRRIGATION SYSTEM.





143 cadycentre #79 northville, mi 48167 ITI 866 355-4204

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2	DRAWN BY SD	янеет LP—1	



REVISIONS

REVISIONS

DATE BY

DATE BY



MATERIAL: BRICK (ACME - MODULAR) COLOR: CHARCOAL GREY W/BLACK GROUT USE: MASONRY WALL MATERIAL %: 45



MATERIAL: STONE (COUNTRY RUBBLE) COLOR: MADISON COUNTY USE: MASONRY WALL MATERIAL %: 55



COLOR: CHARCOAL GREY USE:FASCIA & FREIZE BOARDS MATERIAL %:NA





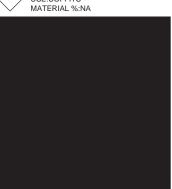
COLOR: BLACK USE:STAIR & HAND RAILING MATERIAL %:NA



USE:WATER TABLE CAP



MATERIAL:PRE-FIN. CONCRETE BD. COLOR: CHINA WHITE USE:SOFFITS MATERIAL %:NA





MATERIAL: ANODIZED/PAINTED METAL RAILING Α



ARCHITECT JST ARCHATE



GRIFFIN FUNERAL HOME DESIGN TIC NOVI, MI NOVI,

V

A2.0

JOB NUMBER: 16238



MATERIAL: METAL ROOFING

COLOR: MUSKET GREY USE:ACCENT ROOFING

Н

MATERIAL: INSULATED WOOD-ALUM PANELS COLOR: CHERRY D USE:WINDOW HEADER ACCENT MATERIAL %:NA



MATERIAL: ASPHALT SHINGLE

COLOR: ONYX BLACK USE:MAIN ROOFING

MATERIAL %:90

MATERIAL: WOOD DOORS COLOR: CHERRY USE:DECORATIVE EXT. DOORS MATERIAL %:NA



MATERIAL: PRE-FINISHED/ PAINTED METAL COLOR: CHARCOAL GREY USE: EXT. METALS DOORS/FRAMES, **GUTTERS & DOWNSPOUTS** MATERIAL %:NA





VIEW UNDER CARPORT LOOKING NORTHEAST

VIEW LOOKING NORTH/NORTHEAST

VIEW LOOKING EAST/NORTHEAST





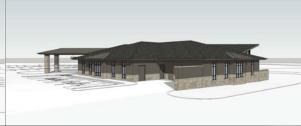


VIEW LOOKING EAST VIEW LOOKING SOUTH/SOUTHEAST VIEW LOOKING SOUTH/SOUTHWEST



VIEW LOOKING NORTH/NORTHEAST







VIEW LOOKING WEST/SOUTHWEST VIEW LOOKING NORTH/NORTHWEST VIEW LOOKING NORTH

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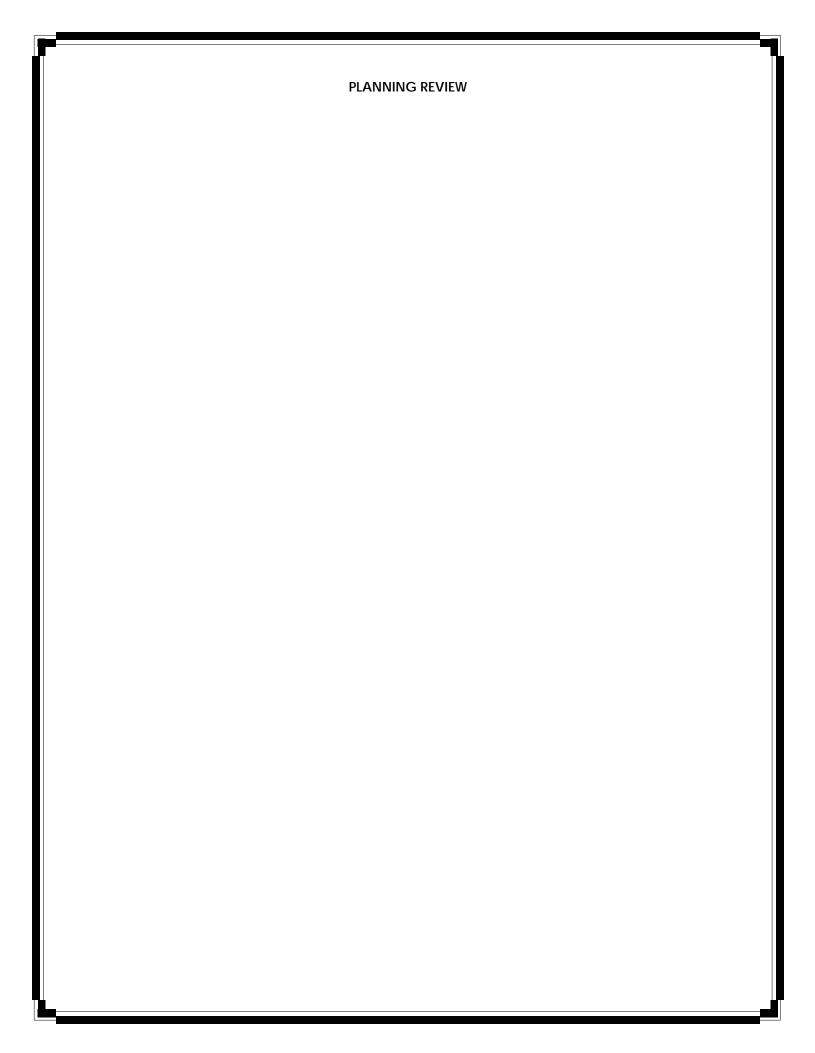


L.J. GRIFFIN FUNERAL HOME ATIC NOVI, MI

V

A3.0

JOB NUMBER: 16238





PLAN REVIEW CENTER REPORT

March 30, 2017

Planning Review GRIFFIN FUNERAL HOME

JSP 17-13

Petitioner

David Griffin

Review Type

Preliminary Site Plan and Special Land Use

Property Characteristics

Toperty Characteristics				
Section	20	20		
Site Location	Southwest	Southwest corner of Beck Road and Eleven Mile Road		
Site School District	Novi Comr	Novi Community School District		
Site Zoning	RA: One Fa	mily Residential with a PSLR: Planned Suburban Low Rise Overlay		
Adjoining Zoning	North	R-3 with PSLR Overlay		
	East	RA: One Family Residential		
	West	RA: One Family Residential		
	South	RA with PSLR Overlay		
Current Site Use	Bosco Farm	and Homestead		
	North	Vacant/Daycare/Senior Housing/Hospital		
Adjoining Hoos	East	Residential		
Adjoining Uses	West	Novi Community School District/Park		
	South	Bosco Homestead/Novi Community School District/Park		
Site Size	3.93 acres (parent parcel is 7.40 acres)			
Plan Date	March 10, 2017			

Project Summary

The applicant is proposing to construct a 12,176 sq. ft. building, 98 parking spaces (plus 23 landbank parking spaces), and associated site improvements for use as a funeral home. The large parcel is proposed to be split with the north section for the funeral home business (being considered in this site plan review) and the south section for future development (to be determined during a future site plan review). The applicant has chosen to develop the north section under the RA zoning as a special land use.

Recommendation

Approval of the *Preliminary Site Plan is recommended*. The plan mostly conforms to the requirements of the Zoning Ordinance, with a few deviations listed in this and other review letters. <u>Planning Commission's approval for Special Land Use, Preliminary Site Plan, Landbank Parking, and Storm Water Management Plan is required.</u>

Special Land Use Considerations

The applicant is proposing a funeral home (Sec. 4.17 Mortuary Establishment) in RA: One Family Residential zoning, which requires special land use approval and must meet use standards outlined in Section 4.17.

Section 6.1.2.C of the Zoning Ordinance outlines specific factors the Planning Commission shall consider in the review of any Special Land Use:

i. Whether, relative to other feasible uses of the site, the proposed use will cause any detrimental impact on existing thoroughfares in terms of overall volumes, capacity, safety, vehicular turning

- patterns, intersections, view obstructions, line of sight, ingress and egress, acceleration/deceleration lanes, off-street parking, off-street loading/unloading, travel times and thoroughfare level of service.
- ii. Whether, relative to other feasible uses of the site, the proposed use will cause any detrimental impact on the capabilities of public services and facilities, including water service, sanitary sewer service, storm water disposal and police and fire protection to service existing and planned uses in the area.
- iii. Whether, relative to other feasible uses of the site, the proposed use is compatible with the natural features and characteristics of the land, including existing woodlands, wetlands, watercourses and wildlife habitats.
- iv. Whether, relative to other feasible uses of the site, the proposed use is compatible with adjacent uses of land in terms of location, size, character, and impact on adjacent property or the surrounding neighborhood.
- v. Whether, relative to other feasible uses of the site, the proposed use is consistent with the goals, objectives and recommendations of the City's Master Plan for Land Use.
- vi. Whether, relative to other feasible uses of the site, the proposed use will promote the use of land in a socially and economically desirable manner.
- vii. Whether, relative to other feasible uses of the site, the proposed use is
 - a. Listed among the provision of uses requiring special land use review as set forth in the various zoning districts of this Ordinance, and
 - b. Is in harmony with the purposes and conforms to the applicable site design regulations of the zoning district in which it is located.

Ordinance Requirements

This project was reviewed for conformance with the Zoning Ordinance with respect to Article 3 (Zoning Districts), Article 4 (Use Standards), Article 5 (Site Standards), and any other applicable provisions of the Zoning Ordinance. **Deviations from the Zoning Ordinance are listed below**.

Ordinance Deviations

- 1. Planning Commission waivers/approval/Consideration
 - I. Special land use request for proposing Funeral home in RA-One Family Residential district
 - II. Determine whether 12 spaces as indicated on the plan are sufficient for assembly area
 - III. Waive the requirement of Noise impact analysis
 - IV. Approve the request for Landbank parking, up to 23 spaces of the required 121 spaces
- 2. City Council DCS Variances
 - I. None required
- 3. Zoning Board of Appeals Variances
 - I. None required

<u>Please see the attached chart for information pertaining to ordinance requirements.</u> Items in **bold** below must be addressed and incorporated as part of the Final Site Plan submittal:

- 1. <u>Adequate Assembly Area (Sec 4.17.1.A)</u> The ordinance requires the site plan to show adequate area for off-street vehicles to be used in funeral processions, in addition to required off-street parking. The site plan shows 12 spaces indicated in the front yard. **The Planning Commission may wish to discuss whether 12 spaces will be adequate.**
- 2. <u>Noise Impact Statement (Sec. 4.17.2.C):</u> A noise impact statement is required as part of the special land use approval. **The applicant is requesting a waiver from the Planning Commission.**
- 3. <u>Landbank Parking (Sec. 5.2.14):</u> Landbanking may be permitted on the request of the applicant if the applicant can demonstrate that the number of parking spaces required under this section are in excess of the actual requirements for the functional use of the building for up to 25% of the required number of parking spaces. The applicant has provided a narrative justifying the landbank request. The applicant is requesting a reduction of 23 spaces or 18% of the required parking spaces.

- 4. <u>Dumpster Enclosure (Sec. 21-145.(c) of City Code)</u>: Dumpster enclosures are regulated by the City Code and require screening and only certain materials are allowed. **The applicant has proposed a wire fabric with vinyl slats as the gates, which is not permitted. Only masonry, wood, or evergreen shrubbery are allowed as screening for the enclosure.**
- 5. <u>Lighting and Photometric Plan (Sec. 5.7):</u> All proposed developments require a photometric plan and exterior lighting details at time of Final Site Plan. The applicant is encouraged to provide those prior to Planning Commission in order to address any waivers that may be needed, otherwise the plan will need to return to Planning Commission at Final Site Plan review, in the event the plan does not conform to the code.
- 6. <u>Property Split:</u> The applicant is proposing to split the parent parcel into two parcels once Preliminary Site Plan is approved by the Planning Commission. **The property split needs to be recorded prior to Stamping Set Approval**.

Other Reviews

- a. <u>Engineering Review:</u> Additional comments to be addressed with Final Site Plan. Engineering recommends approval.
- b. <u>Landscape Review:</u> Landscape review has identified waivers that may be required. Refer to review letter for more comments. Landscape recommends approval.
- c. <u>Wetlands Review:</u> A City of Novi Wetland Minor Permit and Buffer Authorization are required for the proposed impacts to wetlands and regulated wetland setbacks. Additional comments to be addressed with Final Site Plan. Wetlands recommend approval.
- d. <u>Woodlands Review:</u> The proposed project limits do not contain regulated trees. Woodland review is not required this site plan.
- e. <u>Traffic Review:</u> Additional information to be provided with Final site plan submittal. Traffic recommends approval.
- f. <u>Traffic Study Review:</u> None required.
- g. Facade Review: A section 9 waiver would be required. Façade recommends approval.
- h. <u>Fire Review:</u> Additional comments to be addressed with Final Site Plan. Fire recommends approval.

NEXT STEP: Planning Commission Meeting

This Site Plan is scheduled to go before Planning Commission for **public hearing** on April 19, 2017. Please provide the following **no later than 9:00am, April 12, 2017** if you wish to keep the schedule.

- 1. Original Site plan submittal in PDF format. NO CHANGES MADE. Provided with the initial submittal.
- 2. A response letter addressing ALL the comments from ALL the review letters.
- 3. A color rendering of the Site Plan, if any. **OPTIONAL**.
- 4. A sample board of building materials if requested by our Façade Consultant. (Required for projects with Section 9 waiver request).

Final Site Plan Submittal

After receiving the Preliminary Site Plan approval, please submit the following for Final site plan review and approval

- 1. Seven copies of Final Site Plan addressing all comments from Preliminary review
- 2. Response letter addressing all comments and refer to sheet numbers where the change is reflected.
- 3. Final Site Plan Application
- 4. Final Site Plan Checklist
- 5. Engineering Estimate
- 6. Landscape Estimate
- 7. Other Agency Checklist
- 8. <u>Hazardous Materials Packet</u> (Non-residential developments)
- 9. Non-Domestic User Survey (Non-residential developments)
- 10. No Revision Façade Affidavit (if no changes are proposed for Façade)

11. Legal Documents (If required per the attached Planning and Engineering Legal Transmittals)

Electronic Stamping Set Submittal and Response Letter

After receiving Final Site Plan approval, please submit the following for Electronic stamping set approval:

- 1. Plans addressing the comments in all of the staff and consultant review letters in PDF format.
- 2. Response letter addressing all comments in ALL letters and ALL charts and refer to sheet numbers where the change is reflected.

Stamping Set Approval

Stamping sets are still required for this project. After having received all of the review letters from City staff the applicant should make the appropriate changes on the plans and submit 10 size 24" x 36" copies with original signature and original seals, to the Community Development Department for final Stamping Set approval. Plans addressing the comments in all of the staff and consultant review letters should be submitted electronically for informal review and approval prior to printing Stamping Sets.

Site Addressing

A new address is required for this project. The applicant should contact the Building Division for an address prior to applying for a building permit. Building permit applications cannot be processed without a correct address. The address application can be found by clicking on this <u>link</u>. Please contact Jeannie Niland [248.347.0438] in the Community Development Department with any specific questions regarding addressing of sites.

<u>Signage</u>

Exterior Signage is not regulated by the Planning Division or Planning Commission. Please contact Jeannie Niland (248.347.0438) for information regarding sign permits.

Parcel Split/Combination:

At this time, no property split has been submitted to the Assessing Department. <u>The applicant must create this parcel prior to Stamping Set approval and/or applying for new site address. Plans will not be stamped until the parcel is created.</u>

Pre-Construction Meeting

A Pre-Construction meeting is required for this project. Prior to the start of any work on the site, Pre-Construction (Pre-Con) meetings must be held with the applicant's contractor and the City's consulting engineer. Pre-Con meetings are generally held after Stamping Sets have been issued and prior to the start of any work on the site. There are a variety of requirements, fees and permits that must be issued before a Pre-Con can be scheduled. If you have questions regarding the checklist or the Pre-Con itself, please contact Sarah Marchioni [248.347.0430 or smarchioni@cityofnovi.org] in the Community Development Department.

Chapter 26.5

Chapter 26.5 of the City of Novi Code of Ordinances generally requires all projects be completed within two years of the issuance of any starting permit. Please contact Sarah Marchioni [248.347.0430 or smarchioni@cityofnovi.org] for additional information on starting permits. The applicant should review and be aware of the requirements of Chapter 26.5 before starting construction.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5607 or skomaragiri@cityofnovi.org.





PLANNING REVIEW CHART: RA-One Family Residential & Special Land Use

Review Date: March 17, 2017 **Review Type**: Preliminary Site Plan

Project Name: JSP17-13 GRIFFIN FUNERAL HOME

Plan Date: March 10, 2017

Prepared by: Sri Komaragiri, Planner

Contact: E-mail: skomaragiri@cityofnovi.org; Phone: (248) 735-5607

Bold To be addressed with the next submittal

Underline To be addressed with final site plan submittal

Bold and Underline Requires Planning Commission and / or City Council Approval

Italics Notes to be noted

Item	Required Code	Proposed	Meets Code	Comments
Zoning and Use Requirements				
Master Plan (adopted August 25, 2010)	Single Family	Funeral Home	Yes	
Area Study	The site does not fall under any special category	NA	Yes	
Zoning (Effective December 25, 2013)	Residential Acreage (RA) Article 3	RA	Yes	
Uses Permitted (Sec 3.1.1.B & C)	Sec 3.1.1.B Principal Uses Permitted. Sec 3.1.1.C Special Land Uses	Mortuary Establishments	Yes	Special Land Use approval required
Use Standards: Mo	rtuary Establishments Sec 4.	17		
Adequate Assembly Area (Sec 4.17.1.A)	Area for off-street vehicles to be used in funeral processions, in addition to required off-street parking	12 spaces indicated in the front yard	Yes	Planning Commission to determine if 12 spaces is adequate.
Caretakers Residence (Sec 4.17.1.B)	Residence may be within the main building or the establishment	None proposed	NA	
Site Location (Sec 4.17.2.A)	Located on Major Thoroughfare	Located on Eleven Mile and Beck Road	Yes	
Planning Commission Consideration (Sec 4.10.5)	When reviewing such uses, the Planning Commission shall take into consideration the provisions of Section 7.12 of this Ordinance.	The applicant is notified of Special Land Use requirements including public hearing	Yes	
Noise Impact	A noise impact	None provided	No	Applicant is seeking a

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

Item	Required Code	Proposed	Meets Code	Comments
Statement (Sec 4.17.2.C)	statement is required subject to the standards of Section 5.14.10.B			waiver from Planning Commission for noise analysis.
Height, bulk, densi	ty and area limitations (Sec	3.1.1.E)		
Maximum % of Lot Area Covered (By All Buildings)	25%	7.1 %	Yes	
Building Height (Sec. 3.1.1.E)	35 feet or 2 ½ stories	21 ft. 6 inches	Yes	
Building Setbacks	(Sec 3.1.1.E)			
Front @ Beck Road (Sec. 3.6.2.B)	75 ft.	75 ft.	Yes	
Exterior Side @ Eleven Mile (3.6.2.C)	75 ft. (This applies to only to the 135 ft. frontage along 11 Mile Road)		Yes	
Side (south & part North)	20 ft. one side, 50 ft. two sides		Yes?	
Rear (wes)	50ft.		Yes?	
	Sec 3.1.1.E)Refer to applicat	DIE NOTES IN SEC 3.6.2	1/	
Front @ Beck Road (Sec. 3.6.2.B)	75 ft.		Yes	
Exterior Side @ Eleven Mile (3.6.2.C)	75 ft. (This applies to only to the 135 ft. frontage along 11 Mile Road)		Yes	
Side (south & part North)	20 ft.		Yes	
Rear	20 ft.		Yes	
Note To District Sta	ndards (Sec 3.6.2)			
Area Requirements (Sec 3.6.2.A)	NA	Non-residential use	NA	
Parking Setbacks (Sec 3.6.2.B)	Refer to Sec 3.6.2 for more details	Minimum required setbacks are modified accordingly	Yes	
Building Setbacks (Sec 3.6.2.C)	Refer to Sec 3.6.2 for more details	Minimum required setbacks are modified accordingly	Yes	
Wetland/Waterc ourse Setback (Sec 3.6.2.M)	Refer to Sec 3.6.2 for more details	Wetland setbacks are shown	Yes	
Parking, Loading a	and Dumpster Requirements			

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to	
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted	

Item	Required Code	Proposed	Meets Code	Comments
Number of Parking Spaces Mortuary establishments (Sec. 5.2.12.C)	One (1) for each fifty (50) square feet of usable floor area For 6,030 SF of usable floor area, total required: 121 Spaces Usable floor area excludes lobby area	Regular parking: 98 Landbank Parking: 23 Total: 121 The applicant provided the usable floor area calculations and a letter requesting modification of the counts.	Yes	Staff agrees with the justification. Please revise the parking counts and usable floor area plan accordingly in the next submittal
Landbank Parking (Sec.5. 2.14) Land banking may be permitted on the	Maximum number of Landbank spaces: 25% of required parking 25 % *121 = 30 spaces	Proposed land banking = 23 spaces	Yes	The narrative explains the reasons for landbank clearly. Proposed parking spaces would be adequate based on the counts provided per the existing funeral homes
request of the applicant if an applicant can demonstrate	Minimum number of spaces required prior to request for land banking: 45 spaces	Minimum required spaces: 126 Spaces	Yes	
that the number of parking spaces required	Alternative layout plan showing land bank parking	An alternate plan is overlaid onto existing plan	Yes	
under this Section are in excess of the actual requirements for the functional	All areas designated for land banking shall be landscaped open space and may not be used for any other purposes	Proposed landbank area is open lawn	Yes	
use of the building, for up to twenty five	Planning Commission grants the request based on certain conditions	To be determined	Yes?	Refer to Section 5.2.14 for the conditions
(25) percent of the required number of parking spaces on the site, subject to the	The owner of the property shall report any proposed change in use or occupancy for further evaluation	To be determined	Yes?	Add a note to the site plan
following conditions:	Land bank spaces may be installed prior to change in use or occupancy, if determined	To be determined	Yes	Note provided, but spelling error.
Parking Space Dimensions and Maneuvering Lanes (Sec. 5.3.2)	 90° Parking: 9 ft. x 19 ft. 24 ft. two way drives 9 ft. x 17 ft. parking spaces allowed along 7 ft. wide interior sidewalks as long as detail indicates a 4" 	 90° Parking: 9 ft. x 17 ft. with 7ft. sidewalk 9 ft. x 19 ft. 24 ft., driveway 	Yes	

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

Item	Required Code	Proposed	Meets Code	Comments
	curb at these locations and along landscaping			
Parking stall located adjacent to a parking lot entrance(public or private) (Sec. 5.3.13)	Shall not be located closer than twenty-five (25) feet from the street right-of-way (ROW) line, street easement or sidewalk, whichever is closer	NA	Yes	
End Islands (Sec. 5.3.12)	 End Islands with landscaping and raised curbs are required at the end of all parking bays that abut traffic circulation aisles. The end islands shall generally be at least 8 feet wide, have an outside radius of 15 feet, and be constructed 3' shorter than the adjacent parking stall as illustrated in the Zoning Ordinance 	End Islands are proposed	Yes	Refer to Traffic review
Barrier Free Spaces Barrier Free Code	For 101 to 150 = 5 spaces including 1 van accessible space	2 van accessible and 3 regular	Yes	
Barrier Free Space Dimensions Barrier Free Code	 8' wide with an 8' wide access aisle for van accessible spaces 5' wide with a 5' wide access aisle for regular accessible spaces 	Two types of accessible spaces are provided	Yes	
Barrier Free Signs Barrier Free Code	One sign for each accessible parking space.	One sign is proposed for each space	Yes	
Minimum number of Bicycle Parking Sec. 5.16.1	Two spaces	Two spaces	Yes	
Bicycle Parking General requirements Sec. 5.16	 No farther than 120 ft. from the entrance being served When 4 or more spaces are required for a building with multiple entrances, the spaces shall be provided in multiple locations 	Yes NA	Yes	

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

Item	Required Code	Proposed	Meets Code	Comments
	 Spaces to be paved and the bike rack shall be inverted "U" design Shall be accessible via 6 ft. paved sidewalk 	Yes		
Bicycle Parking Lot layout Sec 5.16.6	Parking space width: 6 ft. One tier width: 10 ft. Two tier width: 16 ft. Maneuvering lane width: 4 ft. Parking space depth: 2 ft. single, 2 ½ ft. double	Proposed	Yes	
Sec. 5.4.1	Required on all premises where receipt or distribution of materials or merchandise occurs and shall be separate from parking areas	Loading Spaces are not proposed; Applicant provided note that proposed use does not require one.	NA	
Dumpster Sec. 4.19.2.F	 Located in rear yard Attached to the building or No closer than 10 ft. from building if not attached Not located in parking setback If no setback, then it cannot be any closer than 10 ft, from property line. Away from Barrier free Spaces 	Located in rear yard Away from building Not in the setback Away from barrier free	Yes	Refer to Traffic comments with regards to conflicts with the parking spaces
Dumpster Enclosure Sec. 21-145. (c)	 Screened from public view A wall or fence 1 ft. higher than height of refuse bin And no less than 5 ft. on three sides Posts or bumpers to protect the screening Hard surface pad. Screening Materials: Masonry, wood or evergreen shrubbery 	Screened 8.25 ft. proposed Proposed to be 8.25 ft. Bollards proposed Concrete slab Screening is wire fabric with vinyl slats	No	Gates are not made of an approved material.
	r Equipment Requirements			
Sec. 5.7	Photometric plan and exterior lighting details needed at time of Final	A lighting plan is not provided at this time	No	

CONMACNITO	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

	De audie d Oe de	D	Meets	O a manufactural to
Item	Required Code	Proposed	Code	Comments
	Site Plan submittal			
Roof top equipment and wall mounted utility equipment Sec. 4.19.2.E.ii	All roof top equipment must be screened and all wall mounted utility equipment must be enclosed and integrated into the design and color of the building	Roof top equipment is not proposed	NA	Provide a note on the site plan that no rooftop equipment is proposed.
Roof top appurtenances screening	Roof top appurtenances shall be screened in accordance with applicable facade regulations, and shall not be visible from any street, road or adjacent property.	Roof top equipment is not proposed	NA	
Sidewalk Requiren	nents			
Article XI. Off- Road Non- Motorized Facilities	8 foot pathway is required along Eleven Mile and Beck Road	8 ft. sidewalk proposed along Beck Road; Payment into Sidewalk Escrow fund for 11 Mile	Yes	
Pedestrian Connectivity	Assure safety and convenience of both vehicular and pedestrian traffic both within the site and in relation to access streets	Sidewalks are proposed at all building exits and a connection to Beck Road is provided	Yes	
Building Code and	Other Legal Requirements			
Building Code	Building exits must be connected to sidewalk system or parking lot.	All exist are connected to the parking lot	Yes	
Design and Construction Standards Manual	Land description, Sidwell number (metes and bounds for acreage parcel, lot number(s), Liber, and page for subdivisions).	Legal descriptions for all parcels are provided	Yes	

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

Item	Required Code	Proposed	Meets Code	Comments
General layout and dimension of proposed physical improvements	Location of all existing and proposed buildings, proposed building heights, building layouts, (floor area in square feet), location of proposed parking and parking layout, streets and drives, and indicate square footage of pavement area (indicate public or private).	Provided	Yes	Refer to all review letters for additional information requested
Economic Impact	- Total cost of the proposed building & site improvements - Number of anticipated jobs created (during construction & after building is occupied, if known)	The family of L.J. Griffin Funeral Homes currently has four locations in Westland, Canton, Livonia, and Northville. As owner operators they are imbedded in their neighborhoods and are active members in the business communities and will continue this tradition with the proposed facility in Novi. The initial investment for building and site improvements will be many millions of dollars and will create dozens of jobs during construction. A handful of employees will be required to operate the funeral home on a daily basis as well as services for the upkeep and maintenance of the building and grounds.	Yes	
Development/ Business Sign &	- Signage if proposed requires a permit.	Ground sign proposed at Beck Road entrance	Yes	For further information contact Jeannie Niland
Street	- The applicant should			<u>248-347-0438.</u>
addressing	contact the Building Division for an address prior to applying for a building permit.	Site address will not be issued without a Site plan permit		Apply for lot addressing prior to stamping set approval.

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

Item	Required Code	Proposed	Meets Code	Comments
Project and Street naming	Some projects may need approval from the Street and Project Naming Committee.	This project does not need approval of the Project Name	NA	For approval of project and street naming contact Richelle Leskun at 248-735-0579
Property Split	All property splits and combination must be submitted to the Assessing Department for approval.	The site plan indicates one split; applicant has indicated they will split once they receive PSP approval	No	Property split needs to be recorded prior to stamping set approval
Lighting and Photo	metric Plan (Sec. 5.7)			
Intent (Sec. 5.7.1)	Establish appropriate minimum levels, prevent unnecessary glare, reduce spillover onto adjacent properties & reduce unnecessary transmission of light into the night sky	A lighting and photometric plan is not provided at this time		One would be required at the time of final site plan that conforms to the requirements listed in this section
Lighting Plan (Sec. 5.7.A.i)	Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas & exterior lighting fixtures			
Building Lighting (Sec. 5.7.2.A.iii)	Relevant building elevation drawings showing all fixtures, the portions of the walls to be illuminated, illuminance levels of walls and the aiming points of any remote fixtures.			
Lighting Plan (Sec.5.7.2.A.ii)	Specifications for all proposed & existing lighting fixtures Photometric data Fixture height Mounting & design Glare control devices Type & color rendition of lamps Hours of operation Photometric plan illustrating all light sources that impact the subject site, including spill-over information from neighboring properties			
Maximum Height	Height not to exceed			

CONMACNITO	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
COMMENTS	the next submittal	final site plan submittal	and / or City Council Approval	be noted

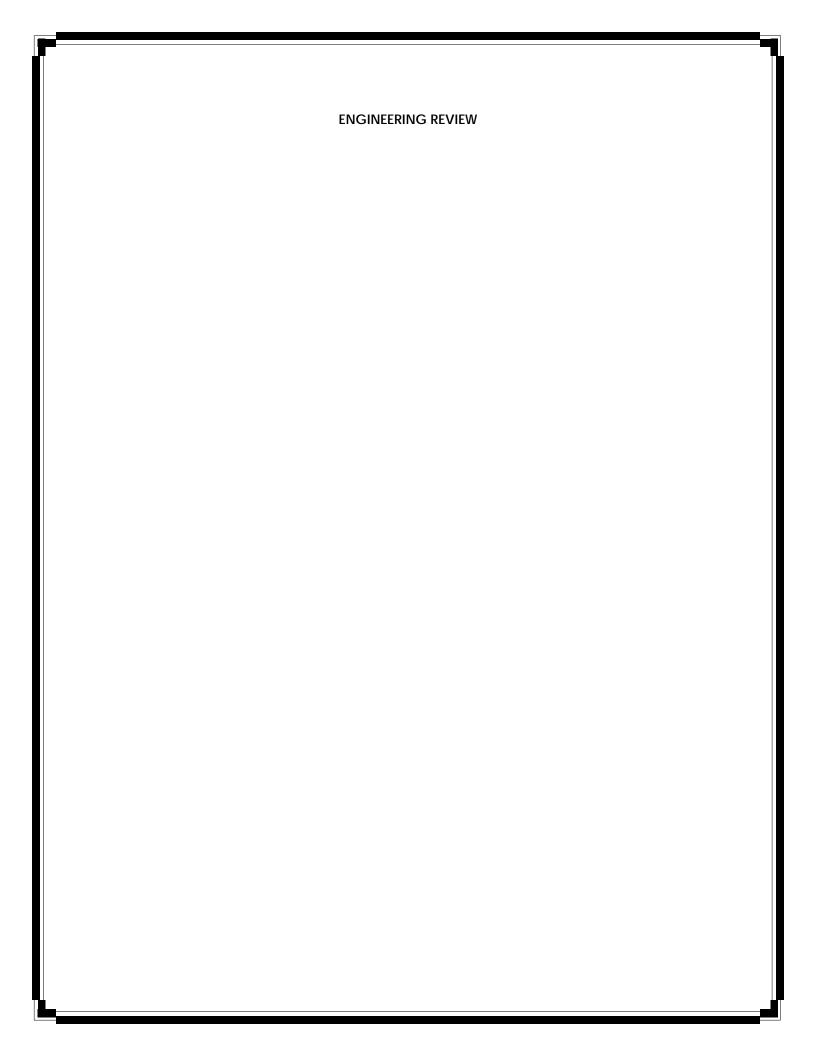
Item	Required Code	Proposed	Meets Code	Comments
(Sec. 5.7.3.A)	maximum height of zoning district (or 25 ft. where adjacent to residential districts or uses			
Standard Notes (Sec. 5.7.3.B)	 Electrical service to light fixtures shall be placed underground Flashing light shall not be permitted Only necessary lighting for security purposes & limited operations shall be permitted after a site's hours of operation 			
Security Lighting (Sec. 5.7.3.H)	- All fixtures shall be located, shielded, and aimed at the areas to			
Lighting for security purposes shall be directed only onto the area to be secured.	be secured Fixtures mounted on the building and designed to illuminate the facade are preferred			
Average Light Levels (Sec.5.7.3.E)	Average light level of the surface being lit to the lowest light of the surface being lit shall not exceed 4:1			
Type of Lamps (Sec. 5.7.3.F)	Use of true color rendering lamps such as metal halide is preferred over high & low pressure sodium lamps			
Min. Illumination (Sec. 5.7.3.k)	Parking areas: 0.2 min Loading & unloading areas: 0.4 min Walkways: 0.2 min Building entrances, frequent use: 1.0 min Building entrances, infrequent use: 0.2 min			
Max. Illumination adjacent to Non- Residential (Sec. 5.7.3.K)	When site abuts a non- residential district, maximum illumination at the property line shall not exceed 1 foot candle			

COMMENTS	To be addressed with	To be addressed with	Requires Planning Commission	Notes to
	the next submittal	final site plan submittal	and / or City Council Approval	be noted

Item	Required Code	Proposed	Meets Code	Comments
Cut off Angles (Sec. 5.7.3.L)	When adjacent to residential districts - All cut off angles of fixtures must be 90° - maximum illumination at the property line shall not exceed 0.5 foot candle			

NOTES:

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. Please refer to those sections in Article 3, 4 and 5 of the zoning ordinance for further details
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





PLAN REVIEW CENTER REPORT

03/31/2017

Engineering Review

JSP17-0013 Griffin Funeral Home

Applicant

Novi Funeral Home

Review Type

Preliminary Site Plan

Property Characteristics

Site Location: South of Eleven Mile Road, West of Beck Road

Site Size: 3.93 acresPlan Date: 03/10/2017

Design Engineer: Zeimet Wozniak & Associates

Project Summary

- Construction of an approximately 12,176 square-foot funeral home building and associated parking. Site access would be provided by an existing driveway off of Beck Road.
- Water service would be provided by an 8-inch extension from the existing 16-inch water main on the east side of Beck Road.
- Sanitary sewer service would be provided from an existing sanitary sewer along the east side of Beck Road.
- Storm water would be collected by a single storm sewer collection system and detained in adjacent existing detention pond.

Recommendation

Approval of the Preliminary Site Plan and Preliminary Storm Water Management Plan is recommended.

Comments:

The Preliminary Site Plan meets the general requirements of the design and construction standards as set forth in Chapter 11 of the City of Novi Codified Ordinance, the Storm Water Management Ordinance and the Engineering Design Manual with the following items to be addressed at the time of Final Site Plan submittal (further engineering detail will be required at the time of the final site plan submittal):

Additional Comments (to be addressed prior to the Final Site Plan submittal):

<u>General</u>

- 1. The City standard detail sheets are not required for the Final Site Plan submittal. They will be required with the Stamping Set submittal. They can be found on the City website (www.cityofnovi.org/DesignManual).
- 2. The Non-Domestic User Survey form is required for this development. Submit this form to the City, and the City will forward the completed form to the Oakland County Water Resources Commissioner.

Water Main

- 3. Provide a tapping sleeve, valve and well at the connection to the existing water main.
- 4. The water main stub shall terminate with a hydrant followed by a valve in well. If the hydrant is not a requirement of the development for another reason the hydrant can be labeled as temporary allowing it to be relocated in the future.
- 5. Provide three (3) signed and sealed sets of revised utility plans along with the MDEQ permit application (1/07 rev.) for water main construction. The Streamlined Water Main Permit Checklist should be submitted to the Engineering Division for review, assuming no further design changes are anticipated. Utility plan sets shall include only the cover sheet, any applicable utility sheets and the standard detail sheets.

Sanitary Sewer

6. Provide a sanitary sewer monitoring manhole, unique to this site, within a dedicated access easement. Provide a 20-foot wide access easement to the monitoring manhole from the right-of-way (rather than a public sanitary sewer easement).

Storm Sewer

- 7. Provide a site drainage area map and storm sewer sizing calculations.
- 8. Include information for how roof drainage will be handled on site.
- 9. Provide a four-foot deep sump and an oil/gas separator in the last storm structure prior to discharge off- site/to the storm water basin.

Storm Water Management Plan

10. Clarify the pond and lawn areas in the c factor calculations.

11. Provide release rate calculations for the three design storm events (first flush, bank full, 100-year).

Paving & Grading

- 12. Clearly label the existing, proposed and master planned right-of-way lines on each of the parcels. Where the sidewalk and driveway are proposed outside of proposed right-of-way, easements will be required.
- 13. The sidewalk in the Eleven Mile Road right-of-way is required. The ordinance allows for an administrative variance when there are no existing pathways within 300-feet of the property if the applicant provides payment to the City equal to the cost of the pathway (as approved by the City Engineer) for City use to construct pathways elsewhere in the City. Complete this variance request and submit a cost estimate for the portion of sidewalk that would be built per the requirement.

Soil Erosion and Sediment Control

14. A SESC permit is required. A full review has not been done at this time. The review checklist detailing all SESC requirements is attached to this letter. An informal review will be completed with the Final Site Plan if SESC plans are included in the submittal.

Off-Site Easements

15. Any off-site utility easements anticipated must be executed **prior to final approval of the plans**. Drafts of these documents are under review and must be approved by the Engineering Division and the City Attorney prior to executing the easements.

The following must be provided at the time of Final Site Plan resubmittal:

16. A letter from either the applicant or the applicant's engineer <u>must</u> be submitted with the Final Site Plan highlighting the changes made to the plans addressing each of the comments listed above <u>and indicating the revised sheets involved</u>.

The following must be submitted at the time of Final Site Plan submittal:

- 17. An itemized construction cost estimate must be submitted to the Community Development Department at the time of Final Site Plan submittal for the determination of plan review and construction inspection fees. This estimate should only include the civil site work and not any costs associated with construction of the building or any demolition work. Interest estimate must be itemized for each utility (water, sanitary, storm sewer), on-site paving, right-of-way paving (including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pretreatment structure and restoration).
- 18. Draft copies of any off-site easements, a recent title search, and legal escrow funds must be submitted to the Community Development Department for review and approved by the Engineering Division and the City Attorney prior to getting executed.

The following must be submitted at the time of Stamping Set submittal:

- 19. A draft copy of the 20-foot wide easement for the water main to be constructed on the site must be submitted to the Community Development Department.
- 20. A draft copy of the 20-foot wide access easement for the sanitary sewer monitoring manhole to be constructed on the site must be submitted to the Community Development Department.
- 21. Executed copies of any required <u>off-site</u> easements must be submitted to the Community Development Department.

The following must be addressed prior to construction:

- 22. A pre-construction meeting is required prior to the commencement of any site work. Please contact Sarah Marchioni in the Community Development Department to setup a meeting (248-347-0430).
- 23. A City of Novi Grading Permit will be required prior to any grading on the site. This permit will be issued at the pre-construction meeting. There is no fee for this permit.
- 24. A Soil Erosion Control Permit must be obtained from the City of Novi. Contact Sarah Marchioni in the Community Development Department (248-347-0430) for forms and information.
- 25. A permit for work within the right-of-way of Beck Road must be obtained from the City of Novi. The application is available from the City Engineering Division and should be filed at the time of Final Site Plan submittal. Please contact the Engineering Division at 248-347-0454 for further information.
- 26. A permit for water main construction must be obtained from the MDEQ. This permit application must be submitted through the Water and Sewer Senior Manager after the water main plans have been approved.
- 27. Construction Inspection Fees, to be determined once the construction cost estimate is submitted, must be paid prior to the pre-construction meeting.
- 28. A storm water performance guarantee, equal to 1.2 times the amount required to complete storm water management and facilities as specified in the Storm Water Management Ordinance, must be posted at the Treasurer's Office.
- 29. A street sign financial guarantee in an amount to be determined (\$400 per traffic control sign proposed) must be posted at the Treasurer's Office.

To the extent this review letter addresses items and requirements that require the approval of or a permit from an agency or entity other than the City, this review shall not be considered an indication or statement that such approvals or permits will be issued.

Please contact Darcy Rechtien at 248/735-5695 with any questions.

cc: Theresa Bridges, Engineering

Dary N. Rechtien

George Melistas, Engineering

Sri Komaragiri, Community Development

Tina Glenn, Treasurers Kristen Pace, Treasurers Ben Croy, Water and Sewer



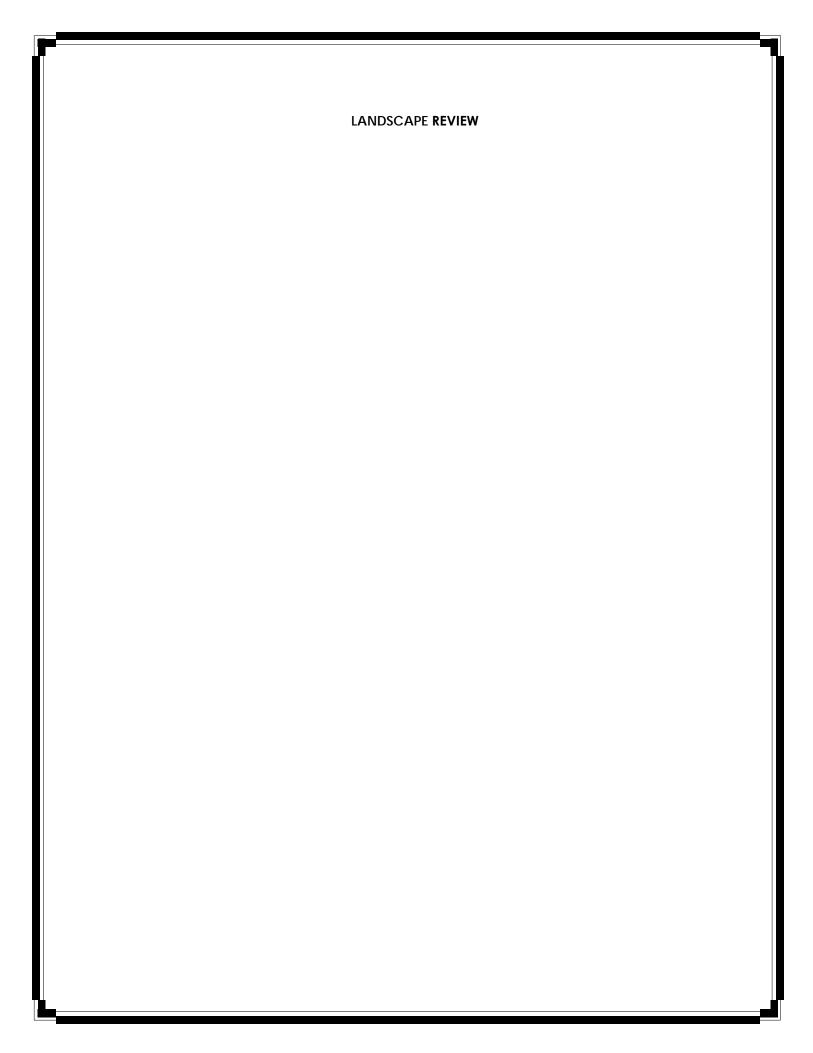
CITY OF NOVI ENGINEERING DIVISION SOIL EROSION AND SEDIMENTATION CONTROL PLAN CHECKLIST

PROJ	JECT:		SESC Application #:	SE -
Conta	act Name:		DATE COMPLETED:	
Phone	e Number:		DATE OF PLAN:	
Fax Number: STATU			STATUS:	
Develor review below, at whi	ral Requirements – Following the initial Soil Erosion and opment Department, all SESC plan revisions shall be and/or permit approval. One (1) copy of revised soil ero, shall be submitted for each subsequent review until the ch point five (5) copies will be required for permit approvited to the Treasurer's Office prior to permit issuance.	submitted di sion plans, ir plan has bee	rectly to the Engineering Dencluding response letter address given approval by the Eng	epartment for further essing the comments ineering Department,
ITEM	ITEM	Provided	COMMENTS	
<u>NO.</u> 1.	Plan shall be at scale of not more than 1" = 200', include legal description, location, proximity to lakes, streams or wetlands, slopes, etc.	on Plans		
2.	Plan shall include a soil survey or a written description of soil types of the exposed land area.			
3.	Plan shall show the limits of earth disruption.			
4.	Plan shall show tree protection fencing and location of trees to be protected.			
5.	Plan shall show all existing and proposed on-site drainage and dewatering facilities (i.e. structure details, rim elev., etc.)			
6.	Detailed sequence of construction shall be provided on plans structured similar to the following, supplemented with site specific items: 1) Install tracking mat, 2) Install temp. SESC measures, 3) Construct storm water basins and install treatment structures, if applicable, 4) Install storm sewer, with inlet protection to follow immediately, 5) Remove all temp. SESC measures once site is stabilized.			
7.	Plan must address maintenance of soil erosion and sedimentation control measures (temporary and permanent)			
8.	Provide a note stating if dewatering is anticipated or encountered during construction a dewatering plan must be submitted to the Engineering Division for review.			
9.	A grading plan shall be provided, or grade information shown on plan.			

10.	Note that it is the developer's responsibility to grade and stabilize disturbances due to the		
	installation of public utilities.		
11.	The CSWO shall be listed on permit application.		
12.	Plan sealed by registered civil engineer with original signature.		
13.	An itemized cost estimate (Silt Fence, Inlet Filters,		The SESC financial guarantee will be
	Topsoil/Seed/Mulch, Const. Access, etc.) shall be		\$.
	provided.		The SESC inspection fees will be \$.
14.	Potential stockpile areas shall be shown on the		
	plan, with note stating a ring of silt fence will be		
	installed surrounding any stockpiled material.		
15.	Sediment basin: Provide filter on standpipe		
	outlet structure until site is stabilized, then		
	removed. Noted on plan and standpipe detail(s).		
16.	Provide a note on the plan stating the storm		
	water basin will be stabilized prior to directing		
	flow to the basin.		
17.	Pretreatment Structures: Noted to inspect		
	weekly for sediment accumulation until site is		
	stabilized, and will clean as required.		
18.	Attach the Oakland County standard detail sheet.		
19.	Construction mud tracking entrance: 75'x20', 6"		
	of 1" to 3" stone, on geotextile fabric.		
00	O'll farmer O'll and had town by a taken O'l an anatom		
20.	Silt fence: 6" anchor trench, stakes 6' on center.		
	Prominent line type on plan, with legend.		
21.	Provide Silt Sack with overflow capability as the		
	inlet protection, and provide detail on plans.		
22.	Catch basin inlet filters shall be provided on		
	existing roadways along construction route for		
	reasonable distance from site.		
23.	Street sweeping and dust control shall be noted		
	on plan as responsibility of contractor.		
24.	Vegetation shall be established within 5 days of		
	final grade, or whenever disturbed areas will		
	remain unchanged for 30 days or greater. 3-4" of		
	topsoil will be used where vegetation is required.		
25.	Vegetated buffer strips (25' wide wherever	📙	
	possible) shall be created or retained along the		
	edges of all water bodies, water courses or		
00	wetlands.		
26.	Diversion berms or terracing shall be	📙	
07	implemented where necessary.		
27.	All drainage ditches shall be stabilized with		
l	erosion control blanket and shall utilize check		

	dams as necessary. Drainage ditches steeper than 3% shall be sodded.	
28.	Slopes steeper than 1V:6H (16%) shall be stabilized with erosion control blanket. Add this note as a general note, and also in a prominent location near any berm, etc. where a significant	
	slope is proposed.	
29.	All culvert end sections must contain grouted riprap in accordance with ordinance specifications.	
ADDIT	IONAL COMMENTS:	
1. Pl	TIONAL COMMENTS: ease note that installation of silt fencing or tree prote- e-construction meeting. When natural features exis- rior to installation of the fencing.	•
1. Pl	ease note that installation of silt fencing or tree protee-construction meeting. When natural features exis	•

Reviewed By:





PLAN REVIEW CENTER REPORT

March 23, 2017

Preliminary Site Plan - Landscaping

Griffin Funeral Home

Review Type

Preliminary Landscape Review

Property Characteristics

Site Location: Southwest corner of Beck and 11 Mile Roads

• Site Acreage: 3.93 acres

Site Zoning: R-A

Adjacent Zoning: North: R-A and R-3; East, South and West: R-A

• Plan Date: 2/20/2015

Ordinance Considerations

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in **bold** below must be addressed and incorporated as part of the Preliminary Site Plan submittal. <u>Underlined</u> items need to be addressed for Final Site Plans. Please follow guidelines of the Zoning Ordinance and Landscape Design Guidelines. This review and the accompanying Landscape Chart is a summary and not intended to substitute for any Ordinance.

Recommendation

This project is **recommended for approval**. Generally the site complies with the landscape ordinance and landscape design manual, **however the southern boundary line does not meet the code regarding the buffer between residential and non-residential properties**. The applicant has provided further information in letters indicating that is the owner's intention to sell the south parcel for a non-residential use, but if a residential use is put in there, that the buffer between the two parcels will be retrofitted to provide the required berm and screening. Given this, my concern about the lack of a screening berm is addressed satisfactorily.

Ordinance Considerations

Existing Soils (Preliminary Site Plan checklist #10, #17)
Provided

Existing and proposed overhead and underground utilities, including hydrants. (LDM 2.e.(4))

Provided. No conflicts are noted.

Existing Trees (Sec 37 Woodland Protection, Preliminary Site Plan checklist #17 and LDM 2.3 (2))

- 1. All trees in the vicinity of the project are shown as being removed or saved.
- 2. No trees protected under Section 37 are shown to be removed so no replacement trees are required.
- 3. Please add tree protection fencing to Sheet C-2 for trees within 50 feet of the project that will be saved so they aren't damaged during construction.

Adjacent to Residential - Buffer (Zoning Sec. 5.5.3.B.ii and iii)

1. The property is adjacent to Residential on the west and south sides. A 4.5 to 6 foot tall

- berm is required between the proposed use and the residentially zoned property to the west and south.
- 2. A berm is provided along the west side that is about 3.5 tall as compared with the property to the west, and about 2.5 to 4 feet tall as compared with the proposed pavement elevation. It is landscaped with a row of large evergreens and intermittent groupings of large flowering shrubs.
- 3. As currently configured, this landscaped berm does not appear to meet the requirements of the ordinance, for height or for density of landscaping, especially with regard to the proposed White Pine groupings. While White Pine is a beautiful tree, as a young tree and as it matures, mature trees do not provide the required screening opacity. Particularly on the southern end of the berm where the proposed berm is at least 2 feet shorter than the ordinance requires, the landscaping should be modified to provide a denser opacity.
- 4. At a minimum, please select a different evergreen species from White Pine for the buffer plantings.
- 5. The berm on the south side of the project also does not meet the height requirement of the ordinance for a berm between non-residential and residential zoning, and no screening vegetation is proposed. In addition, the berm that is provided does not extend the entire length of the property line. Currently the use and zoning are residential. As noted above, the applicant has provided further documentation that their intent is to sell the southern parcel for a non-residential use, in which case no berm or screening landscaping is required. Should the use end up being residential, the applicant has promised to retrofit the site to provide the required buffer and screening.
- 6. A landscape waiver is required for providing a berm shorter than the 4.5 to 6 feet that is required by the ordinance. Given the above discussion, this applies to the entire western berm but not the southern berm.

Adjacent to Public Rights-of-Way - Berm (Wall) & Buffer (Zoning Sec. 5.5.3.B.ii and iii)

- 1. A 3 foot tall undulating berm is required along the frontages of Beck and Eleven Mile Roads. The required berm is provided between the building/parking and Beck Road, but not along the northern portion of the lot, or along Eleven Mile Road. As these frontages actually face a large lawn and landscaping which is backed up by the existing pond, this is acceptable, but the applicant must request a landscape waiver for the deviation. It will be supported by staff for the reasons given above.
- 2. Based on the frontage outside of the rights-of-way, the ordinance calls for a total of 15 canopy or large evergreen trees and 26 sub-canopy trees. These are all provided.

Street Tree Requirements (Zoning Sec. 5.5.3.E.i.c and LDM 1.d.)

- 1. Based on the frontages, a total of 15 street trees are required (1 per 35lf). 10 trees are provided.
- 2. A landscape waiver for 3 trees based on the required corner clear zones can be supported by staff, but 2 additional trees need to be provided.

Parking Lot Landscaping (Zoning Sec. 5.5.3.C.)

- 1. Based on the vehicular use areas, 3,368 sf of islands and 45 interior parking lot trees are required. 3,622 sf of islands and 45 trees are provided.
- 2. Three islands have areas of 149 sf or less. While some flexibility with islands that are adjacent to open space is allowed to achieve the minimum 300sf per island, these areas are still too small. Please increase their area within the curbs to at least 200sf.
- 3. A 195 sf area adjacent to the land-banked spaces just north of the building is counted as a landscape space, but no tree is proposed for it. In order to count toward the total, an island has to have a tree planted in it. Please either propose a canopy tree for that space, or increase other areas to fulfill the requirement.

Parking Lot Perimeter Canopy Trees (Zoning Sec. 5.5.3.C.(3) Chart footnote)

Based on the 789 If of outer perimeter, 23 canopy trees are required and are provided.

Loading Zone screening (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)

The loading area is sufficiently screened with large evergreen shrubs.

<u>Building Foundation Landscape (Zoning Sec 5.5.3.D.)</u>

- 1. Based on the building's 477 If perimeter, 3,816 sf of foundation landscape area is required. 4,002 sf are provided.
- 2. 60% of the building frontage facing public roads must be landscaped. Approximately 85% of the building frontage is landscaped.

Plant List (LDM 2.h. and t.)

In keeping with the stated goal of the landscape ordinance, please provide more native species as part of the building foundation landscaping.

Planting Notations and Details (LDM)

Planting details are provided as required.

Storm Basin Landscape (Zoning Sec 5.5.3.E.iv and LDM 1.d.(3)

- 1. Approximately 52% of the property's pond edge is landscaped with large native shrubs.
- 2. Please provide additional shrubs to fulfill the requirement of 70-75% coverage.

Irrigation (LDM 1.a.(1)(e) and 2.s)

An irrigation plan for landscaped areas is required for Final Site Plan.

Proposed topography. 2' contour minimum (LDM 2.e.(1))

- 1. Provided.
- 2. The land-banked spaces may require retaining walls for their construction, especially those facing the pond. <u>Please provide the grading that would be required for the land-banked spaces' construction on a separate grading plan, as well as an indication of any retaining walls that would be required.</u>

Snow Deposit (LDM.2.q.)

Who Meader

Snow deposit areas are indicated.

Corner Clearance (Zoning Sec 5.9)

Corner clearance areas are shown and no trees are planted within them.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5621 or rmeader rmeader@cityofnovi.org.

Rick Meader - Landscape Architect

LANDSCAPE REVIEW SUMMARY CHART - PRELIMINARY SITE PLAN

Review Date: March 22, 2017

Project Name: GRIFFIN FUNERAL HOME

Plan Date: March 10, 2017

Prepared by: Rick Meader, Landscape Architect E-mail: rmeader@cityofnovi.org;

Phone: (248) 735-5621

Items in **Bold** need to be addressed by the applicant before approval of the Preliminary Site Plan. <u>Underlined</u> items need to be addressed for Final Site Plan.

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Require	ements (LDM (2)			
Landscape Plan (Zoning Sec 5.5.2, LDM 2.e.)	 S New commercial or residential developments S Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less. S 1"=20' minimum with proper North. Variations from this scale can be approved by LA S Consistent with plans throughout set 	Yes	Yes	Scale of 1"=30'
Project Information (LDM 2.d.)	Name and Address	Yes	Yes	
Owner/Developer Contact Information (LDM 2.a.)	Name, address and telephone number of the owner and developer or association	Yes	Yes	
Landscape Architect contact information (LDM 2.b.)	Name, Address and telephone number of RLA/LLA	Yes	Yes	
Sealed by LA. (LDM 2.g.)	Requires original signature	Yes	Yes	Required for Final Site Plan
Miss Dig Note (800) 482-7171 (LDM.3.a.(8))	Show on all plan sheets	Yes	Yes	
Zoning (LDM 2.f.)	Include all adjacent zoning	R-A with PSLR	Yes	Site: R-A with PSLR N: R-A&R-3 E,S&W: R-A
Survey information (LDM 2.c.)	\$ Legal description or boundary line survey\$ Existing topography	Yes	Yes	Boundaries and descriptions on C-1
Existing plant material Existing woodlands or wetlands (LDM 2.e.(2))	\$ Show location type and size. Label to be saved or removed.\$ Plan shall state if none exists.	Yes	Yes	All trees and trees to be removed are clearly shown on C-1 and C-2

Item	Required	Proposed	Meets Code	Comments
Soil types (LDM.2.r.)	 \$ As determined by Soils survey of Oakland county \$ Show types, boundaries 	Yes	Yes	On C-1
Existing and proposed improvements (LDM 2.e.(4))	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	Yes	Yes	On C-3
Existing and proposed utilities (LDM 2.e.(4))	Overhead and underground utilities, including hydrants	Yes	Yes	Utilities are shown on Landscape Plan.
Proposed grading. 2' contour minimum (LDM 2.e.(1))	Provide proposed contours at 2' interval	Yes	Yes	 On C-4 Please show the proposed grading for the land banked spaces, should they be built.
Snow deposit (LDM.2.q.)	Show snow deposit areas on plan	Yes	Yes	
LANDSCAPING REQUIRE				
Parking Area Landscap	e Requirements LDM 1.c. &	Calculations (LDM 2.	o.)	
General requirements (LDM 1.c)	Clear sight distance within parking islandsNo evergreen trees	Yes	Yes	
Name, type and number of ground cover (LDM 1.c.(5))	As proposed on planting islands	Yes	Yes	Seed
General (Zoning Sec 5.	5.3.C.ii)			
Parking lot Islands (a, b. i)	 \$ A minimum of 300 SF to qualify \$ 6" curbs \$ Islands minimum width 10' BOC to BOC 	Yes/No	Yes/No	 It appears that most of the proposed islands provide sufficient landscape area. Please expand the area of the islands that provide 149sf or less to at least 200sf. Even with overflow allowed, they do not provide sufficient space.
Curbs and Parking stall reduction (c)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of min. 7 ft.	Yes	Yes	On C-3
Contiguous space limit (i)	Maximum of 15 contiguous spaces	Yes	Yes	Maximum bay is 14 spaces long

Item	Required	Proposed	Meets Code	Comments
Plantings around Fire Hydrant (d)	No plantings with mature height greater than 12' within 10 ft. of fire hydrants	Yes	Yes	Hydrants are shown, and all trees are spaced sufficiently from them.
Landscaped area (g)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	Yes	Yes	
Clear Zones (LDM 2.3.(5))	25 ft corner clearance required. Refer to Zoning Section 5.9	Yes	Yes	Clear zones are provided per 5.9 and trees are not planted within them.
	OS-2, OSC, OST, B-1, B-2, B-3 district (Zoning Sec 5.5.3.C.		TC-1, RC, Sp	pecial Land Use or non-
A = Total square footage of parking spaces not including access aisles x 10%	A = 16316 x 10% = 1632 sf		Yes	
B = Total square footage of additional paved vehicular use areas (not including A) under 50,000 SF) x 5%	B = 34711 x 5% = 1736 sf	Yes	Yes	
C= Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 1 %	C = x 1% = sf	NA		
Category 2: For: I-1 and	d I-2 (Zoning Sec 5.5.3.C.iii)			
A. = Total square footage of parking spaces not including access aisles x 7%	$A = 7\% \times x \times sf = xx \cdot sf$	NA		
B = Total square footage of additional Paved vehicular use areas (not including A) under 50,000 SF) x 2%	B = 2% x xx sf = xx sf	NA		
C= Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 0.5%	$C = 0.5\% \times 0 \text{ sf} = 0 \text{ SF}$	NA		
All Categories				
D = A+B or A+C Total square footage	1632 + 1736 = 3368 SF	3622 sf	No	As mentioned above, the three

Item	Required	Proposed	Meets Code	Comments
of landscaped islands				islands with SF of 149sf or less are too small to count as legitimate islands. 2. Please increase those islands' area to at least 200sf so they can count toward the total. 3. The 195sf area adjacent to the front land banked spaces cannot count toward the total if no trees are planted in it.
E = D/75 Number of canopy trees required	3368/75 = 45 Trees	45 trees	Yes	
Perimeter Green space	\$ 1 Canopy tree per 35 If; \$ 789/35 = 23 trees	23 trees	Yes	
Parking land banked	NA	23 spaces	TBD	 The interior and perimeter calculations should include the land banked spaces. If they have been, please indicate that with a notation by the calculations. If they have not, please revised them to include the land banked spaces.
Berms, Walls and ROW	Planting Requirements			
Berms				
Gradual slopes are el contours § Berm should be locat conflict with utilities.	n maximum slope of 33%. ncouraged. Show 1ft. ed on lot line except in structed with 6" of top soil.	No new berms proposed		
Residential Adjacent to	Non-residential (Sec 5.5.3.	A) & (LDM 1.a)		
Berm requirements (Zoning Sec 5.5.A)	Refer to Residential Adjacent to Non- residential berm requirements chart	Berms along portions of west and south property lines	TBD	 4.5-6 foot tall landscaped berms are required along west and south property lines. Berm provided along west property line is

Item	Required	Proposed	Meets Code	Comments
				approximately 3.5' higher than the property to the west, and 2.5-4' higher than the adjacent parking. 3. Additional, denser screening needs to be provided on the berm, particularly on the southern end of the berm where the berm is shortest. While White Pines provide good screening when they're young, as they get older they lose their screening density. 4. The berm provided along south property line is not sufficiently long or tall. If the parcel is to remain as a residential use, a full berm with dense landscaping in addition to the perimeter trees will need to be provided.
Planting requirements (LDM 1.a.)	LDM Novi Street Tree List	NA		 Please add additional screening shrubs and use a different evergreen tree than White Pine on the western berm as the proposed combination will not provide a consistent, 80-90% opacity. As noted above, if the southern parcel is to remain residential, the berm will need to be densely landscaped to provide 80-90% opacity.

Item	Required	Proposed	Meets Code	Comments
Berm requirements (Zoning Sec 5.5.3.A.(5))	Berm must be 3 feet tall with a 4 foot wide crest, max 33% slope.	3-4 foot tall berm is proposed along most of Beck Road frontage, none fronting 10 Mile Road.	Yes	 The berm along Beck does not extend all the way to the north, but as that section is just lawn and other landscaping, backed up by the pond, this is acceptable. The 11 Mile frontage also is backed by a long stretch of berms and landscaping so the lack of a berm is acceptable. A landscape waiver for the lack of berms in these areas will require a landscape waiver, but it will be supported by staff for the above reasons.
Cross-Section of Berms	(LDM 2.j)			
Slope, height and width	\$ Label contour lines\$ Maximum 33% slope\$ Constructed of loam\$ 6" top layer of topsoil	No	No	Please add details for the berms along Beck Road and the west property lines.
Type of Ground Cover		Lawn - seed	Yes	
Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	None		No overhead utility lines are shown along the road frontages.
Walls (LDM 2.k & Zoning	y Sec 5.5.3.vi)			
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	None		 No walls are proposed. It appears that a retaining wall would be required to build the land banked spaces along the north side of the parking lot. Please show the grading and proposed retaining wall for those spaces, and any other walls that may be required

Item	Required	Proposed	Meets Code	Comments
				for land banked spaces. These should be part of the grading plan, not the landscape plan.
Walls greater than 3 ½ ft. should be designed and sealed by an Engineer		NA		
ROW Landscape Scree	ning Requirements (Sec 5.5.	3.B. ii)		
Greenbelt width (2)(3) (5)	50 feet	77 feet	Yes	
Min. berm crest width	4 feet	Min 4 feet	Yes	
Minimum berm height (9)	4 feet	3 feet	Yes	
3' wall	§ (4)(7)	None		
Canopy deciduous or large evergreen trees Notes (1) (10)	 \$ 1 tree per 35 If frontage \$ Beck Road: 434/35 = 13 trees \$ 11 Mile Road: 76/35 = 2 trees 	15 trees	Yes	
Sub-canopy deciduous trees Notes (2)(10)	 1 tree per 35 lf frontage Beck Road: 434/20 = 22 trees 11 Mile Road: 76/20 = 4 trees 	26 trees	Yes	
Canopy deciduous trees in area between sidewalk and curb (Novi Street Tree List)	§ 1 tree per 35 If frontage § Beck Road: o 385/35 = 11 trees § 11 Mile Road: o 51/35 = 1 tree	10 trees	No	 1. 1 street tree per 35 If is required, not 1 per 45 If. 2. Please correct the calculation and provide 2 additional street trees. 3. Landscape waiver will be required to subtract sight triangles, but will be supported.
	Sec 5.5.3.E.iii & LDM 1.d (2) W, building foundation land		dscaping a	ndIDM
Interior Street to Industrial subdivision (LDM 1.d.(2))	 \$ 1 canopy deciduous or 1 large evergreen per 35 lf along ROW \$ No evergreen trees closer than 20 ft. \$ 3 sub canopy trees per 40 lf of total linear frontage 	NA	чэсарин <u>у</u> а	TIG EDIVI

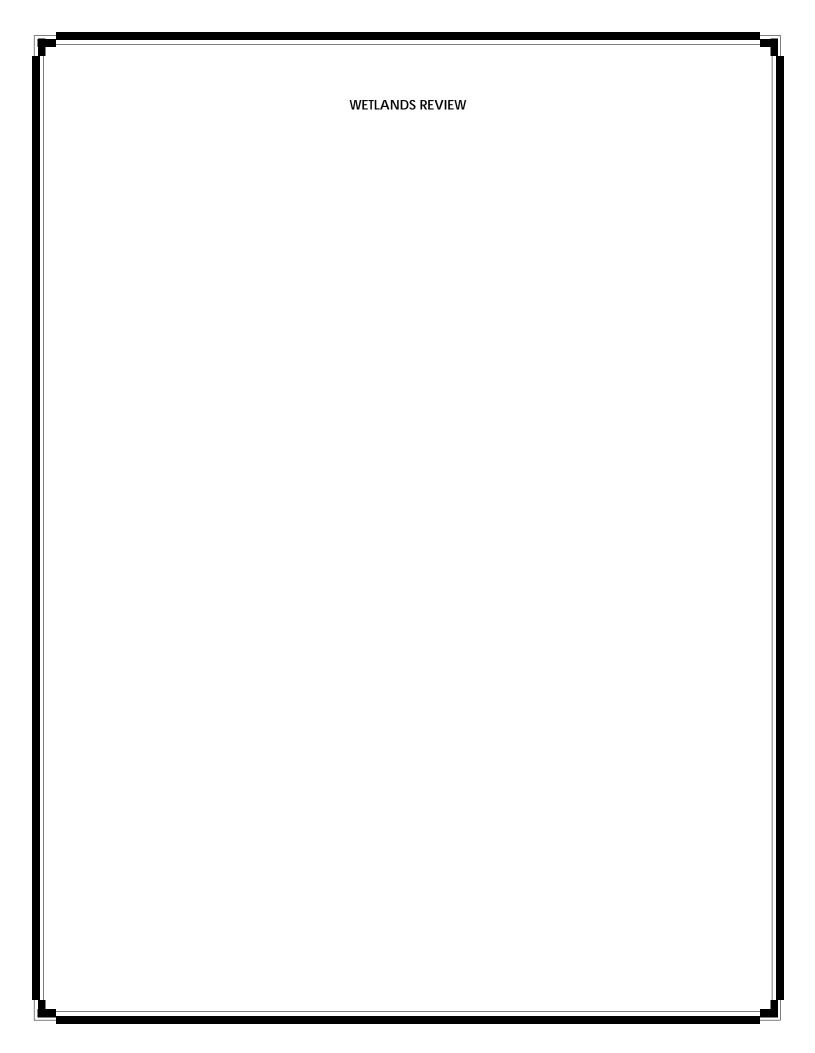
Item	Required	Proposed	Meets Code	Comments
	§ Plant massing for 25% of ROW			
Screening of outdoor storage, loading/unloading (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)		Tall evergreen shrubs screen the loading areas.	Yes	
Transformers/Utility boxes (LDM 1.e from 1 through 5)	 \$ A minimum of 2ft. separation between box and the plants \$ Ground cover below 4" is allowed up to pad. \$ No plant materials within 8 ft. from the doors 	No utility boxes shown		 Provide proper screening for any transformers. Include city standard detail with other landscape details.
Building Foundation Lai	ndscape Requirements (Se	c 5.5.3.D)		
Interior site landscaping SF	\$ Equals to entire perimeter of the building x 8 with a minimum width of 4 ft. \$ 477 If x 8ft = 3816 SF	4002 sf	Yes	Please substitute in some species native to Michigan (in addition to the Ninebark and Fragrant Sumac)
Zoning Sec 5.5.3.D.ii. All items from (b) to (e)	§ If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	85% of frontage facing Beck and 11 Mile Roads is landscaped.	Yes	
Detention/Retention Ba	sin Requirements (Sec. 5.5.	3.E.iv)		
Planting requirements (Sec. 5.5.3.E.iv)	 \$ Clusters shall cover 70-75% of the basin rim area \$ 10" to 14" tall grass along sides of basin \$ Refer to wetland for basin mix 	220 If of 420 If frontage (52%) is landscaped with shrubs).	No	Please increase coverage to 70-75%.
LANDSCAPING NOTES,	DETAILS AND GENERAL REQ	UIREMENTS		
Landscape Notes - Utili	ze City of Novi Standard No	otes		
Installation date (LDM 2.1. & Zoning Sec 5.5.5.B)	Provide intended datesShould be between March 15 and November 15.	Between March 15 and November 15.	Yes	
Maintenance & Statement of intent (LDM 2.m & Zoning Sec 5.5.6)	 Include statement of intent to install and guarantee all materials for 2 years. Include a minimum one cultivation in 	Yes/No	Yes/No	Please add the cultivation note.

Item	Required	Proposed	Meets Code	Comments
	June, July and August for the 2-year warranty period.			
Plant source (LDM 2.n & LDM 3.a.(2))	Shall be northern nursery grown, No.1 grade.	No	No	Please add to notes.
Irrigation plan (LDM 2.s.)	A fully automatic irrigation system and a method of draining is required with Final Site Plan	No		Need for final site plan
Other information (LDM 2.u)	Required by Planning Commission	NA		
Establishment period (Zoning Sec 5.5.6.B)	2 yr. Guarantee	Yes	Yes	
Approval of substitutions. (Zoning Sec 5.5.5.E)	City must approve any substitutions in writing prior to installation.	Yes	Yes	
Plant List (LDM 2.h.) - In	clude all cost estimates			
Quantities and sizes		Yes	Yes	
Root type	Refer to LDM suggested plant list	Yes	Yes	
Botanical and common names		Yes	Yes	
Type and amount of lawn		Yes	Yes	
Cost estimate (LDM 2.t)	For all new plantings, mulch and sod as listed on the plan	No		Please add on Final Site Plans.
Planting Details/Info (LI	OM 2.i) - Utilize City of Novi	Standard Details		
Canopy Deciduous Tree		Yes	Yes	Please add a callout to tree detail that root ball dirt shall be removed to expose the root flare.
Evergreen Tree	Refer to LDM for detail drawings	Yes	Yes	Please add a callout to tree detail that root ball dirt shall be removed to expose the root flare.
Shrub		Yes	Yes	
Perennial/ Ground Cover		Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection fencing	Located at Critical Root Zone (1' outside of dripline)	No trees are being preserved on the site, but some offsite trees will need to be protected.	No	Show tree protection fence lines for all trees within 50 feet of work to be saved on demolition plan.

Item	Required	Proposed	Meets Code	Comments			
Other Plant Material Requirements (LDM 3)							
General Conditions (LDM 3.a)	Plant materials shall not be planted within 4 ft. of property line	Yes	Yes	Please add note on plan view near property line to aid installers.			
Plant Materials & Existing Plant Material (LDM 3.b)	Clearly show trees to be removed and trees to be saved.	Yes	Yes	Sheet C-2			
Landscape tree credit (LDM3.b.(d))	Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM	No	No				
Plant Sizes for ROW, Woodland replacement and others (LDM 3.c)	Canopy Deciduous shall be 3" and sub-canopy deciduous shall be 2.5" caliper. Refer to section for more details	Yes	Yes	Include on Plant list			
Plant size credit (LDM3.c.(2))	NA	No	No				
Prohibited Plants (LDM 3.d)	No plants on City Invasive Species List	No	TBD				
Recommended trees for planting under overhead utilities (LDM 3.e)	Label the distance from the overhead utilities	NA					
Collected or Transplanted trees (LDM 3.f)		No					
Nonliving Durable Material: Mulch (LDM 4)	 \$ Trees shall be mulched to 4" depth and shrubs, groundcovers to 3" depth \$ Specify natural color, finely shredded hardwood bark mulch. Include in cost estimate. \$ Refer to section for additional information 	Yes	Yes				

NOTES:

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. For the landscape requirements, please see the Zoning Ordinance landscape section 5.5 and the Landscape Design Manual for the appropriate items under the applicable zoning classification.
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





March 29, 2017 ECT No. 170223-0100

Ms. Barbara McBeth
City Planner
Community Development Department
City of Novi
45175 W. Ten Mile Road
Novi, Michigan 48375

Re: Griffin Funeral Home (JSP17-0013)

Wetland Review of the Preliminary Site Plan (PSP17-0032)

Dear Ms. McBeth:

Environmental Consulting & Technology, Inc. (ECT) has reviewed the Preliminary Site Plan (Plan) for the proposed Griffin Funeral Home project prepared by Zeimet Wozniak & Associates dated March 10, 2017 (Plan). The Plan was reviewed for conformance with the City of Novi Wetland and Watercourse Protection Ordinance and the natural features setback provisions in the Zoning Ordinance. ECT also visited the site on March 22, 2017 in order to verify wetland boundaries.

ECT currently recommends approval of the Preliminary Site Plan for Wetlands. ECT recommends that the Applicant address the items noted in the *Wetland/Watercourse Comments* section of this letter prior to approval of the Final Site Plan.

The following wetland related items are required for this project:

Item	Required/Not Required/Not Applicable
Wetland Permit (specify Non-Minor or Minor)	Required (Minor)
Wetland Mitigation	Not required
Wetland Buffer Authorization	Required
MDEQ Permit	To be determined. It is the applicant's responsibility to contact the MDEQ in order to determine the need for a wetland use permit.
Wetland Conservation Easement	Not Required

The proposed development is located south of W. Eleven Mile Road and west of N. Beck Road in Section 20. The project includes the construction of a funeral home (~12,000 square feet), associated parking and utilities. Site stormwater will be managed within the existing pond/watercourse located on the northwest side of the site adjacent to W. Eleven Mile Road. A new outlet control structure has been proposed and would be installed in the northwest corner of the existing pond in order to regulate the outflow of the site stormwater. The existing 18" storm sewer and end section located within the 25-foot watercourse setback is proposed to be removed and replaced. ECT suggests that the City of Novi Engineering Department review this plan in order to verify that the site's stormwater will be adequately managed and meet the City's stormwater storage requirements.

2200 Commonwealth Blvd., Suite 300 Ann Arbor, MI 48105

> (734) 769-3004

FAX (734) 769-3164 Griffin Funeral Home (JSP17-0013) Wetland Review of the Preliminary Site Plan (PSP17-0032) March 29, 2017 Page 2 of 8

The subject parcel currently contains a single family home, garage and barn. The majority of the site is maintained turf grass (i.e., lawn). The existing garage and barn will be removed/demolished as part of this project.

Based on our review of the Plan, Novi aerial photos, Novi GIS, the City of Novi Official Wetlands and Woodlands Maps (see Figure 1, attached) it appears as if this proposed project site contains City-regulated wetland/watercourse (i.e., pond located on north side of site).

Onsite Wetland Evaluation

ECT has reviewed the City of Novi Official Wetland and Woodlands Map and completed an onsite wetland verification on March 22, 2016. As noted above, the site does contain area mapped as City regulated wetland/watercourse (Figure 1). The Plan notes that King & MacGregor Environmental, Inc. (KME) previously completed the on-site wetland delineation (dated April 9, 2014). The Plan notes that the wetland limits are coincidental to the water's edge of the existing pond. ECT agrees with the wetland/watercourse boundaries as indicated on the Plan. The proposed site development will involve one (1) small impact to regulated wetland/watercourse for the purpose of installing a new storm water outlet control structure. In addition the 25-foot wetland/watercourse buffer will be impacted for the installation of the proposed stormwater inlet and outlet from the pond/watercourse.

It is ECT's opinion that this water feature is a man-made pond that appears to have been created between 1963 and 1974 (based historic aerial imagery available from Oakland on (https://gis.oakgov.com/PropertyGateway/Home.mvc). Although the feature does have a buffer of existing trees on its northern side (adjacent to W. Eleven Mile Road), the majority of the pond's edge does not appear to have a significant vegetated wetland fringe (i.e., herbaceous plant growth along the perimeter of the pond). It should be noted that the existing pond appears to currently outlet through a culvert in the northwest portion of the pond to a drain located just north of W. Eleven Mile Road (i.e., tributary to the Novi Lyon Drain).

What follows is a summary of the wetland and watercourse impacts associated with the proposed site design.

Wetland/Watercourse Impact Review

Currently, the Plan indicates one (1) impact to the 25-foot wetland/watercourse buffer for the purpose of constructing the proposed stormwater outfall from the north side of the building and parking lot to the wetland/pond. The Plan proposes the following:

 712 square feet (0.016-acre) of temporary buffer impact for the construction of the proposed storm water outfall to the pond. This temporary impact area is to be restored with a meadow seed mix and revegetation mat.

The Plan includes the installation of a stormwater outlet control structure in the northwest corner of the pond. The proposed impacts to the wetland/watercourse and 25-foot buffer do not appear to be indicated on the Plan. The applicant should graphically indicate and quantify all permanent and temporary impacts to the wetland/pond as well as the 25-foot setback.



Griffin Funeral Home (JSP17-0013) Wetland Review of the Preliminary Site Plan (PSP17-0032) March 29, 2017 Page 3 of 8

Permits and Regulatory Requirements

The purpose of the City of Novi Wetland and Watercourse Protection Ordinance is described in the City of Novi Code of Ordinances, Part II, Chapter 12, Article V.: Division 1. This section states that:

- (a) The wetlands and watercourses of the city are indispensable and fragile natural resources subject to floodwater capacity limitations, erosion, soil bearing capacity limitations and other hazards. In their natural state, wetlands and watercourses provide many public benefits, such as the maintenance of water quality through nutrient cycling and sediment trapping, and flood and stormwater runoff control through temporary water storage, slow release and groundwater recharge. In addition, wetlands provide open space, passive recreation, fish and wildlife habitat, including migratory waterfowl and rare, threatened or endangered animal and plant species. The continued destruction and loss of wetlands and watercourses constitutes a distinct and immediate danger to the public health, safety and general welfare.
- (b) Throughout the state, considerable acreage of these important natural resources has been lost or impaired by draining, dredging, filling, excavating, building, pollution and other acts inconsistent with the natural uses of such areas. Remaining wetlands and watercourses are in jeopardy of being despoiled or impaired. Consequently, it is the policy of the city to prevent a further net loss of those wetlands that are: (1) contiguous to a lake, pond, river or stream, as defined in Administrative Rule 281.921; (2) two (2) acres in size or greater; or (3) less than two (2) acres in size, but deemed essential to the preservation of the natural resources of the city under the criteria set forth in subsection 12-174(b).
- (c) Pursuant to Mich. Const. 1963, Art. IV, § 52, the conservation and development of natural resources of the state is a matter of paramount public concern in the interest of the health, safety and general welfare of the people. Pursuant to the Michigan Environmental Protection Act, MCL 324.1701, et seq., it is the responsibility of public and private entities to prevent the pollution, impairment or destruction of the air, water or other natural resources by their conduct. It is, therefore, the policy of the city to protect wetlands and watercourses while taking into account varying ecological, hydrologic, economic, recreational and aesthetic values. Activities which may damage wetlands and watercourses shall be located on upland sites outside of upland woodland areas, unless there are no less harmful, feasible and prudent alternatives to the proposed activity. When an activity will result in the impairment or destruction of a wetland, mitigation shall be required in accordance with section 12-173(e)1.b.
- (d) It is the purpose of this article to protect the public health, safety and welfare through the protection of wetlands and watercourses. To meet these purposes, this article establishes standards and procedures for the review of proposed activities in wetlands and watercourses, provides for the issuance of use permits for approved activities, requires coordination with other applicable ordinances, statutes and regulations and establishes penalties for the violation of this article.

Any proposed use of the on-site pond/watercourse (i.e., for stormwater storage and/or fill or excavation within the wetland/watercourse) will require a City of Novi *Wetland Use Permit* as well as an *Authorization to Encroach the 25-Foot Natural Features Setback* for any proposed impacts to the 25-foot wetland/watercourse buffers.

The Michigan Department of Environmental Quality (MDEQ) generally regulates wetlands that are within 500 feet of a waterbody, regulated stream or are part of wetland system greater than 5 acres in size. It is the applicant's



Griffin Funeral Home (JSP17-0013) Wetland Review of the Preliminary Site Plan (PSP17-0032) March 29, 2017 Page 4 of 8

responsibility to contact MDEQ in order to confirm the regulatory authority with respect to the on-site wetland/watercourse areas.

Wetland/Watercourse Comments

Please consider the following comments when preparing subsequent site plan submittals:

- 1. The current Plan does not graphically indicate the areas of proposed impact to the wetland/watercourse and 25-setback in the area of proposed stormwater outlet control structure. Future site plan submittals should indicate, label and quantify (square feet or acres) all areas of proposed impacts to wetland/watercourse and/or 25-foot buffers on the Plan (both permanent and temporary impacts). This information should be indicated on the *Stormwater Outlet Analysis Plan* (Sheet C-7.1). These quantities are required prior to Final Site Plan approval and issuance of the City of Novi Wetland Use Permit and *Authorization to Encroach the 25-Foot Wetland/Watercourse Setback*.
- 2. In general, the following information shall be provided on future site plan submittals:
 - Acreages of all on-site wetland/watercourse/pond;
 - Indicate and label all 25-foot wetland/watercourse buffers as necessary on the Plan;
 - Indicate, label and quantify any proposed impacts to the pond/wetland and 25-foot wetland/watercourse buffers on the Plan. The area (square feet or acres) of all impacts to the wetland/watercourse and 25-foot buffers shall be indicated on the Plan. All impacts (both permanent and temporary shall be indicated on the Plan);
 - The volume (cubic feet or cubic yards) of all permanent wetland/watercourse impacts shall be indicated on the Plan.
- 3. As noted above, the Plan shall clearly indicate all areas of wetland/watercourse and 25-foot buffer that are proposed to be permanently and/or temporarily impacted during construction. The Stormwater Outlet Analysis Plan (Sheet 7.1) and Grading Plan (Sheet C-4) note that disturbed areas of 25-foot buffer will be restored with a Meadow Seed Mix and revegetation mat. The Plan does not appear to contain seed mix details for the Meadow Seed Mix. The Landscape Details sheet (Sheet LP-3) does include seed mix detail for a Stormwater Seed Mix (from JFNew). The applicant shall review and revise that Plan as necessary and provide a seed mix detail for the Meadow Seed Mix if this is being proposed.
- 4. It is the Applicant's responsibility to contact the Michigan Department of Environmental Quality (MDEQ) in order to determine if the proposed development would require a wetland use permit from the MDEQ. The on-site wetland could be regulated by MDEQ as it appears to be located within 500-feet of a pond, stream, drain or lake (i.e., tributary to the Novi Lyon Drain). Final determination of regulatory status should be made by the MDEQ. A permit from this agency may be required for any direct impacts, or potentially for storm water discharge from the developed site to the existing watercourse/pond. A City of Novi Wetland Permit cannot be issued prior to receiving this information.
- 5. The Plan appears to propose the discharge of untreated/unfiltered stormwater from the site to the existing pond/watercourse. ECT recommends that the City of Novi Engineering Department ensure that the necessary storm water quality (and quantity/storage) requirements are being met by this plan. It is unclear why the stormwater management plan does not include a sedimentation basin or other means of pre-



Griffin Funeral Home (JSP17-0013) Wetland Review of the Preliminary Site Plan (PSP17-0032) March 29, 2017 Page 5 of 8

treating the site stormwater (i.e., removing silt/sediment, etc.) prior to entering the existing wetland/watercourse.

Recommendation

ECT currently recommends approval of the Preliminary Site Plan for Wetlands. ECT recommends that the Applicant address the items noted in the *Wetland/Watercourse Comments* section of this letter prior to approval of the Final Site Plan.

If you have any questions regarding the contents of this letter, please contact us.

Sincerely,

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.

Peter Hill, P.E.

Senior Associate Engineer

Matthew Carmer Senior Scientist

Professional Wetland Scientist #1746

Matthew (armer

cc: Sri Komaragiri, City of Novi Planner

Richelle Leskun, City of Novi Planning Assistant Rick Meader, City of Novi Landscape Architect

Kirsten Mellem, City of Novi Planner

Attachments: Figure 1. City of Novi Regulated Wetland & Woodland Map

Site Photos





Figure 1. City of Novi Regulated Wetland & Woodland GIS Coverage Map (approximate project boundary shown in red). Regulated Woodland areas are shown in green and regulated Wetland areas are shown in blue).



Site Photos



Photo 1. Looking southeast at existing pond/on-site wetland located on north side of site (ECT, March 22, 2017).



Photo 2. Existing 18" storm sewer end section located at northwest side of the pond/wetland (ECT, March 22, 2017).



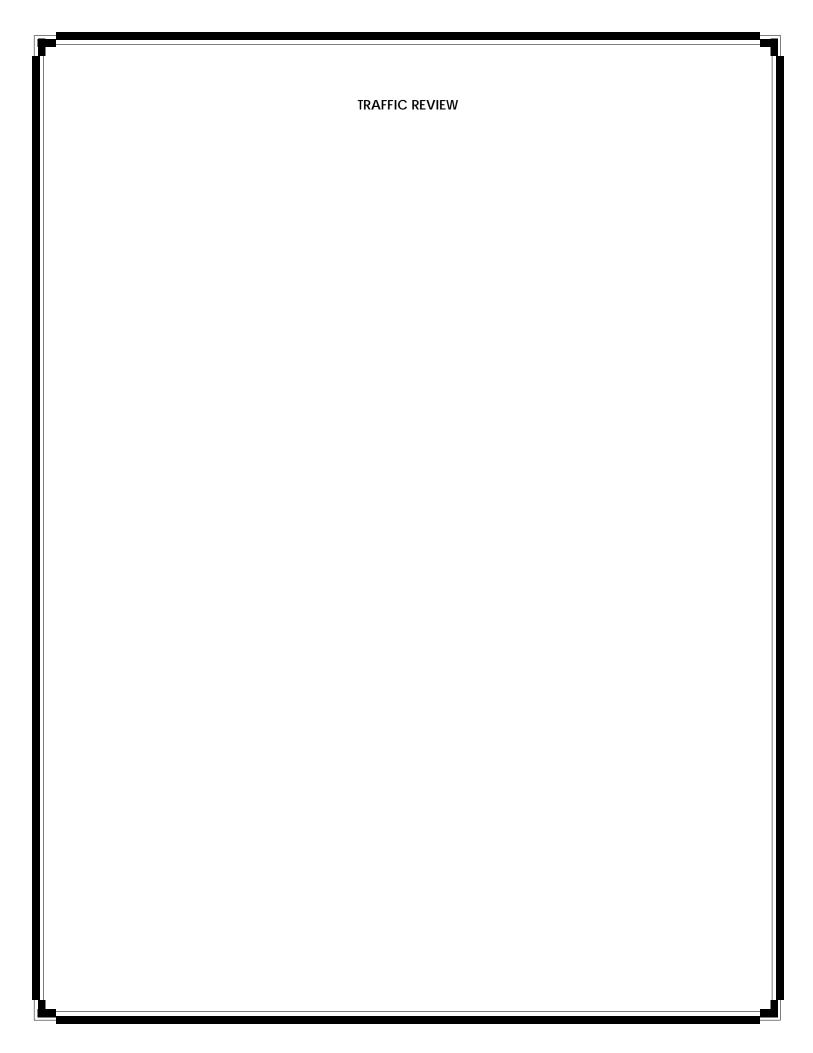


Photo 3. View east along W. Eleven Mile Road in area of existing 18" storm sewer and end section located at northwest side of the pond/wetland. Storm sewer curb inlets are indicated (ECT, March 22, 2017).



Photo 4. Stormwater outfall area north of W. Eleven Mile Road (ECT, March 22, 2017).







To:

Barbara McBeth, AICP City of Novi 45175 10 Mile Road Novi, Michigan 48375

CC:

Sri Komaragiri, Kirsten Mellem, George Melistas, Theresa Bridges, Richelle Leskun, Darcy Rechtien AECOM 27777 Franklin Road Southfield MI, 48034 USA aecom.com

Project name:

JSP17-0013 Griffin Funeral Home Preliminary Traffic Review

From:

Date: April 4, 2017

Memo

Subject: Griffin Funeral Home Preliminary Traffic Review

The preliminary site plan was reviewed to the level of detail provided and AECOM **recommends approval** for the applicant to move forward with the condition that the comments provided below are adequately addressed to the satisfaction of the City.

GENERAL COMMENTS

- 1. The applicant, Novi Funeral Home, LLC, is proposing a 12,176 square foot funeral home on Beck Road south of Eleven Mile Road. Beck Road is under the jurisdiction of the City of Novi.
- 2. The parcel is currently under RA (Residential Acreage) zoning; however, funeral homes are permitted as a special land use subject to the following:
 - a. An adequate assembly area shall be provided off-street for vehicles to be used in funeral processions, and that such assemble area shall be provided in addition to any required off-street parking area.
 - b. A caretaker's residence may be provided within the main building or mortuary establishments.
 - c. Must be located on a designated major thoroughfare.

TRAFFIC IMPACTS

- AECOM was unable to perform an initial trip generation estimate due to the lack of trip rate information for funeral homes.
- 2. The majority of trips will likely occur during viewings and burial processions, which are assumed to not occur during peak traffic periods. However, it should be acknowledged that the funeral processions could potentially interfere with existing off-peak traffic patterns on occasion.
- 3. The applicant has provided the following information related to funeral services and processions.
 - a. Processions typically include 10-15 vehicles.
 - b. The average funeral attendance ranges from 30-70 people; however, the service is most commonly located at a church.

EXTERNAL SITE ACCESS AND OPERATIONS

The following comments relate to the external interface between the proposed development and the surrounding roadway(s).

- 1. The proposed driveway modifications are in compliance with City of Novi standards.
- 2. The applicant has proposed entering and exiting tapers for the proposed driveway. The taper lengths are in compliance with City standards.
- 3. Because funeral services are assumed to not occur during peak traffic periods, there is not enough estimated traffic to warrant a left turn lane or left turn passing lane.
- 4. The applicant has indicated 460 feet of sight distance as required by the City's ordinance.
- 5. The applicant is modifying an existing driveway, therefore spacing requirements are not applicable. It should be noted, however, that the spacing requirements for same side and opposite side driveways are met.
- 6. There are an adequate number of site access drives provided.

INTERNAL SITE OPERATIONS

The following comments relate to the on-site design and traffic flow operations.

1. General Traffic Flow

- a. Fire code requires a minimum of 50' outside turning radius and 30' inside turning radius. The applicant shall indicate on the plans firetruck circulation patterns throughout the side and update any turning radii that do not provide firetruck accessibility.
- b. Loading zones are not required at the development. The trash enclosure, during trash pick-up times, could potentially interfere with parking operations and should be considered for relocation, so that parking spaces are not blocked during trash collection processes.
- c. The use of pavement markings and/or signing could be considered for this vehicle procession storage area
- d. The applicant should provide dimensions for the width of the drive located in front of the main entrance.

2. Parking Facilities

- a. The City requires one parking space for every 50 square feet of usable floor area. The applicant has designated 6,030 (49.5%) square feet of the building as usable floor area. The applicant is required to provide 121 parking spaces per the ordinance; however, has only provided 121 total spaces, as discussed below:
 - i. The applicant has provided 98 proposed parking spaces.
 - ii. The applicant has provided 23 land banked parking spaces.
 - iii. The applicant has provided information to support the reduced amount of parking spaces provided.
 - iv. The applicant should include a parking calculations table in future submittals.
- b. Parking space dimensions are generally in compliance with City standards. However, the parking area located on the north side of the building consists of some atypically designed spaces. The applicant should provide dimensions (at the shortest lengths and widths) for those atypical parking spaces in order to ensure compliance with City standards.
- c. Certain landbanked parking spaces appear to be within the extents of horizontal curvature. The applicant should relocate these spaces such that they are no longer within the extents of horizontal curvature.
- d. Five barrier free parking spaces are required and the applicant has provided five spaces, two of which are van accessible.
- e. Barrier free parking spaces are compliant with 2010 ADA standards.
- f. It appears that there is no curb between the proposed barrier free spaces and the abutting sidewalk. The applicant should indicate any curbs or ramps in the area. If there is no curb, the applicant is required to either insert a curb or place four inch parking blocks at the end of the space resulting in two feet of vehicle overhang while maintaining five feet of width for the sidewalk.
- g. End islands and peninsulas are generally in compliance with the City's standards.
- h. Six inch curbs are required in areas that the curb height is not limited to four inches in height by an abutting 17 foot parking space.

- i. The development requires two bicycle parking spaces. The applicant has proposed a bicycle parking area; however, the number of bicycle parking spaces shall be provided in the parking calculations table. The applicant should also provide a dimensioned detail for the layout of the bicycle parking area.
- 3. Sidewalk Requirements
 - a. Sidewalks are in compliance with City standards and are in compliance with the City's Non-Motorized Master Plan.
 - b. The applicant should place ADA ramps on all sidewalk connecting to the proposed sidewalk along Beck Road
 - c. The ADA ramp details are in compliance with the current version of MDOT details.
- 4. All on-site signing and pavement markings shall be in compliance with the Michigan Manual on Uniform Traffic Control Devices. The following is a discussion of the proposed signing.
 - a. Additional pavement marking size details are required for future submittals; such as the international symbol for accessibility and parking space stripe widths, among others.
 - b. Proposed sign heights are required to be a height of seven feet. The proposed sign height must be increased a total of one foot to ensure compliance with MMUTCD standards.
 - c. The proposed stop sign is 24 x 24 inches. MMUTCD standards require a minimum stop sign size of 30 x 30 inches.
 - d. The proposed sign posts are required to be U-channel in shape and indicated as 2# or 3#, as applicable based on sign size requirements. For example, 2# posts are required for signs 12 x 18 inches or less and 3# posts are required for multiple signs on one post or when sign size exceeds 12 x 18 inches.

Should the City or applicant have questions regarding this review, they should contact AECOM for further clarification.

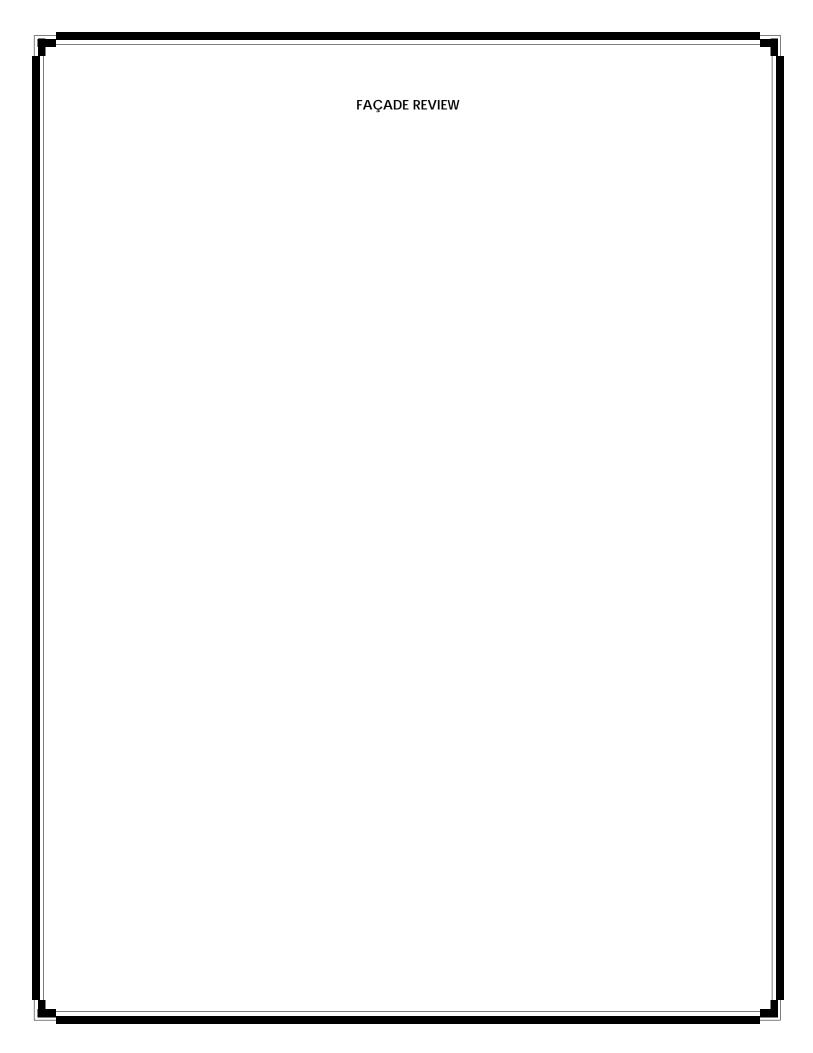
Sincerely,

AECOM

Sterling J. Frazier, E.I.T. Reviewer, Traffic/ITS Engineer

Matthew G. Klawon, PE

Manager, Traffic Engineering and ITS Engineering Services







March 29, 2017

Façade Review Status Summary: Approved, Full Compliance

City of Novi Planning Department 45175 W. 10 Mile Rd. Novi, MI 48375-3024

Re: FACADE ORDINANCE - Facade Review

Griffin Funeral Home, PSP17-0032 Façade Region: 1, Zoning District: RA

Dear Ms. McBeth;

The following is the Facade Review for Final Site Plan Approval of the above referenced project based on the drawings prepared by JST Architects, dated 3/10/17. The percentages of materials proposed for each façade are as shown on the table below. The maximum percentages allowed by the <u>Schedule Regulating Façade Materials</u> (AKA Façade Chart) of Ordinance Section 5.15 are shown in the right hand column. Materials in non-compliance with the Façade Chart, if any, are highlighted in bold.

Façade Ordinance, Section 5.15	East (Front)	West	North	South	Ordinance Maximum (Minimum)
Brick	30%	30%	30%	30%	30% Minimun
Stone	30%	30%	30%	30%	50%
Asphalt Shingles	25%	25%	25%	25%	25%
Standing Seam	5%	5%	5%	5%	25%
Metal Fascia & Trim	5%	5%	5%	5%	15%
Cast Stone	5%	5%	5%	5%	50%

As shown above, all proposed materials are in full compliance with the Façade Ordinance.

Recommendation - The building exhibits well balanced proportions and composition of materials. The façade material samples illustrated on sheet A2.0 indicate carefully coordinated colors and materials. The design is in full compliance with the Façade Ordinance and will harmonize well with other buildings in the surrounding area. Approval is recommended for the reasons stated above.

Notes to the Applicant:

1. Façade Ordinance requires inspection(s) for all projects. Materials displayed on the approved sample board will be compared to materials delivered to the site. It is the applicant's responsibility to request the inspection of each façade material at the appropriate time. Inspections may be requested using the Novi Building Department's Online Inspection Portal with the following link. Please click on "Click here to Request an Inspection" under "Contractors", then click "Façade".

http://www.cityofnovi.org/Services/CommDev/OnlineInspectionPortal.asp.

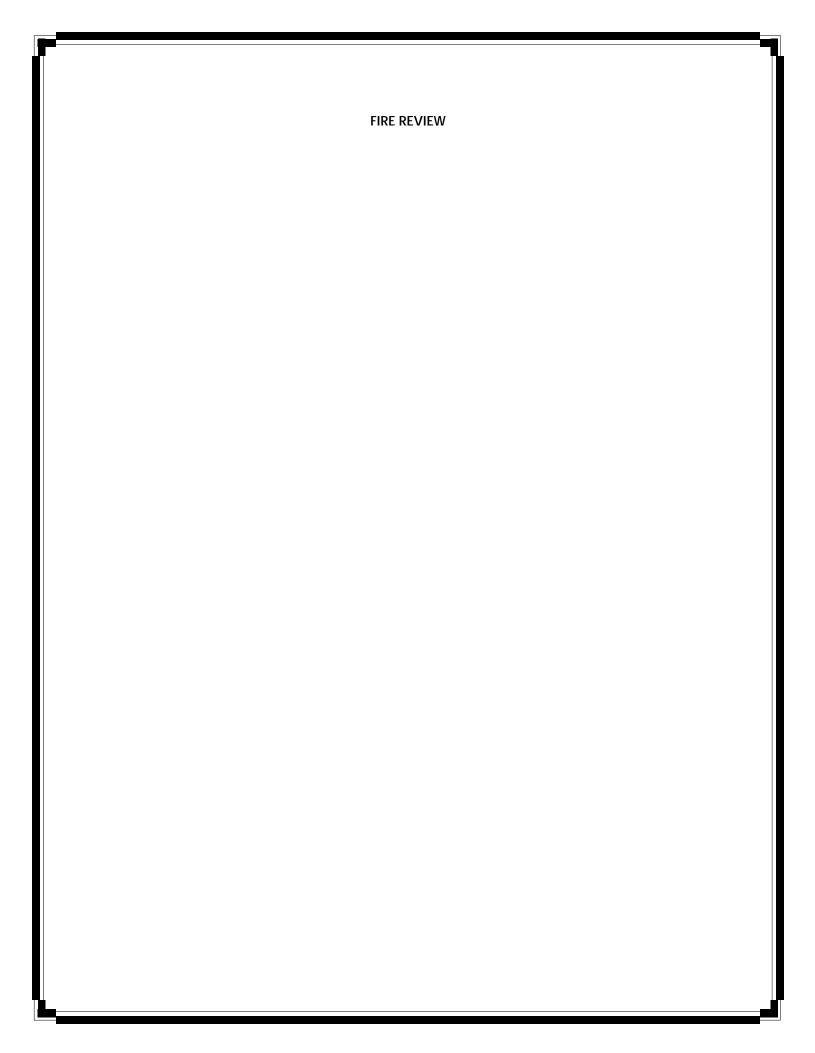
2. The dumpster enclosure should be constructed of materials matching the primary structure.

If you have any questions regarding this project please do not hesitate to call.

Sincerely,

DRN & Associates, Architects PC

Douglas R. Necci, AIA





March 21, 2017

TO: Barbara McBeth- City Planner Sri Ravali Komaragiri- Plan Review Center Kirsten Mellem- Plan Review Center

CITY COUNCIL

Mayor Bob Gatt

Mayor Pro Tem Dave Staudt

Gwen Markham

Andrew Mutch

Wayne Wrobel

Laura Marie Casey

Brian Burke

City Manager Pete Auger

Director of Public Safety Chief of PoliceDavid E. Molloy

Director of EMS/Fire OperationsJeffery R. Johnson

Assistant Chief of Police Erick W. Zinser

Assistant Chief of Police Jerrod S. Hart RE: Griffin Funeral Home

PSP# 17-0032

Project Description:

Build a 12,176 sq. ft. building on the corner of Beck Rd and Eleven Mile Rd in section 20.

Comments:

- Turning radius for the west entrance doesn't meet Fire Departments Standards.
- 2) **MUST** add one hydrant around business to meet City Ordinance for spacing more than 500' from hydrant to hydrant. (City Ordinance Sec 11-68)
- 3) The Fire Lane must meet the City of Novi requirements for 35 ton. (City Ordinance Sec 15-17 503.2.3)

Recommendation:

APPROVED WITH CONDITIONS

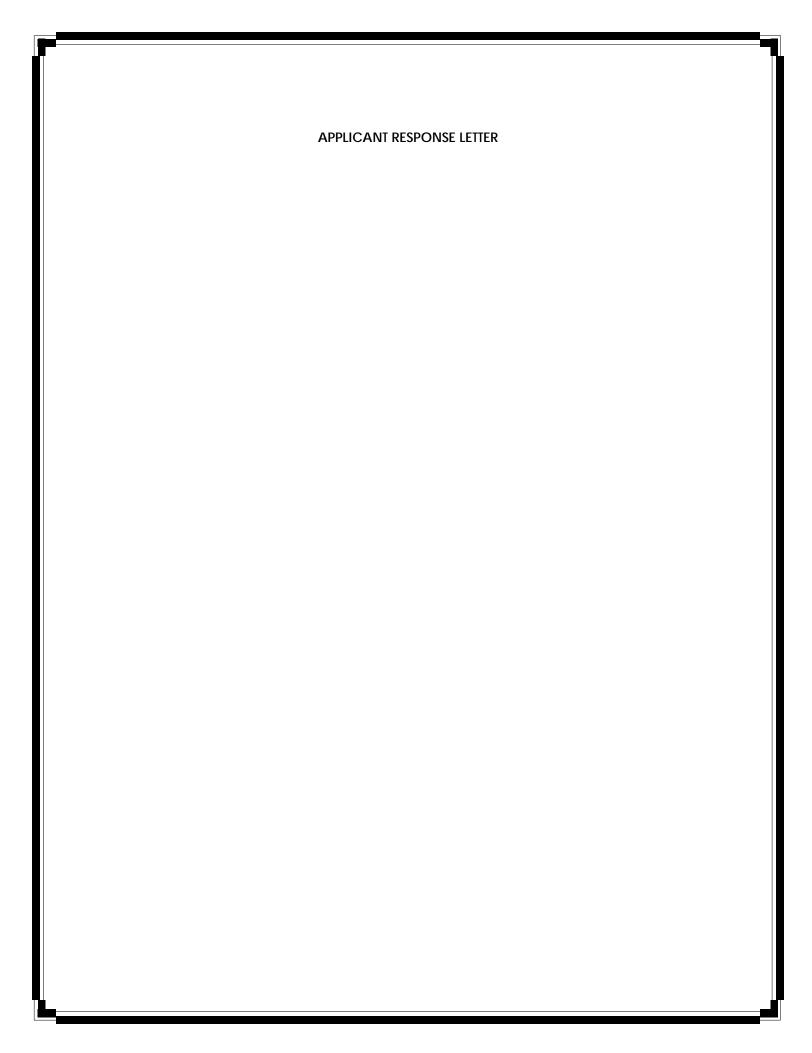
Sincerely,

Kevin S. Pierce-Fire Marshal City of Novi – Fire Dept.

cc: file

Novi Public Safety Administration 45125 W. Ten Mile Road Novi, Michigan 48375 248.348.7100 248.347.0590 fax

cityofnovi.org





March 31, 2017

Ms. Sri Ravali Komaragiri City of Novi Community Development 45175 West Ten Mile Road Novi, MI 48375

RE: Griffin Funeral Home

PSP Comments

Dear Ms. Sri Ravali Komaragiri:

Thank you for your call regarding the PSP review for Griffin Funeral Home. We would like to address two concerns that you discussed.

Required berm along the south property line:

The current property will be split into two separate parcels. The north parcel will include the proposed funeral home, developed as a special land use under the current residential zoning. The south parcel will be developed under the PSLR zoning option and not as a residential development, as noted in the attached letter from David Griffin. It is David's intention to market the south parcel and develop the property as PSLR immediately.

David is aware that a berm is required between a special land use and residential properties. Since the north and south parcels will be similar in use and not residential, David does not want to construct a berm. A berm will reduce the continuity between the two parcels and is unnecessary. If the south parcel were developed for residential use, David would construct a berm as required. In addition, there is an existing landscaped berm between the south parcel and the school property.

Parking Requirements:

The lobby, as noted in the architect's letter dated March 6, 2017, will be used by people, "who are there to make funeral arrangements, have appointments with funeral directors, etc."

Since these people can be in only one area of the funeral home at a time, it is logical that the lobby area (280 s.f.) should not have been included as useable space for parking requirement calculations. Removing the lobby will reduce the overall useable area to 6,030 s.f. which would require 121 parking spaces (6,030/50 = 120.6).

Should you have any questions or comments please don't hesitate to contact us.

Very truly yours

Andrew J. Wozniak

Cc: David Griffin

GRIFFIN

L.J. GRIFFIN FUNERAL HOME, INC.

Ms. Sri Ravali Komaragiri City of Novi Community Development

Dear Ms. Sri Komaragiri,

This letter is to confirm our intention to sell the south parcel of our development for non-residential use.

I understand and agree to retro fit the property with an appropriate berm should the parcel be sold for any residential development.

Thank you,

David G. Griffin

"Service-A Family Tradition"

8809 Wayne Rd. Livonia, MI 48150 (734) 522-6200 7707 Middlebelt Rd. Westland, MI 48185 (734) 522-9400 42600 Ford Rd. Canton, MI 48187 (734) 981-1700 Northrop-Sassaman Chapel 19091 Northville Rd. Northville, MI 48168 (248) 348-1233



April 6, 2017

Ms. Sri Ravali Komaragiri City of Novi Community Development 45175 West Ten Mile Road Novi, MI 48375

RE: Griffin Funeral Home, Preliminary Site Plan

Response to the Planning Review

Dear Ms. Sri Ravali Komaragiri:

We would like to thank Community Development for their review of the Preliminary Site Plan.

We have reviewed the Planning Review letter dated March 30, 2017 and offer the following response to the Planning Review Chart dated March 17, 2017:

Zoning and Use Requirements

Master Plan - Noted

Area Study - Noted

Zoning - Noted

Uses Permitted – We have noted that this submittal will require Planning Commission's approval of Special Land Use.

Use Standards: Mortuary Establishments

Adequate Assembly Area – An assembly area has been shown on the plans. As noted in David Griffin's letter, the funeral procession has become more infrequent and a small following of 10 – 15 cars is typical. The plans indicate a visual representation for 12 assembly spaces. Additional assembly spaces can be added in this area but they are not needed according to David Griffin.

Caretakers Residence - NA

Site Location - Noted

Planning Commission Consideration - Noted

Noise Impact Statement – We would like to request a waiver of the noise impact statement, as no noise generating equipment will be added to the site.

Height, bulk, density and area limitations

Maximum % of Lot Area Covered - Noted

Building Height – Noted

Building Setbacks

The setbacks distances are on sheet C-3 including the sides and rear. The building is located well within these setback areas.

Parking Setback

Noted

Note to District Standards

Noted

Parking, Loading and Dumpster Requirements

Number of Parking Spaces – We would like to thank staff for their support regarding this issue. The parking counts and useable floor area will be revised with the next submittal.

Landbank Parking - We request that Planning Commission approve the landbank parking. We will add and revise notes on the plans regarding change of use and installation of the landbank parking.

Parking Space Dimensions and Maneuvering Lanes - Noted

Parking stall located adjacent to parking lot entrance - NA

End Islands – End islands are addressed in the traffic review

Barrier Free Spaces - Noted

Barrier Free Space Dimensions - Noted

Minimum Number of Bicycle Parking - Noted

Bicycle Parking General Requirements - Noted

Bicycle Lot Layout - Noted

Loading Spaces - Noted

Dumpster – Conflicts with parking spaces are addressed in the Traffic comments.

Dumpster Details – The material for the dumpster enclosure gates will be wood and will be revised on the next submittal.

Lighting and Other Equipment Requirements

Exterior Lighting – A lighting plan is being submitted.

Roof top equipment – A note regarding no rooftop equipment will be added to the plans.

Roof top screening – NA

Sidewalk Requirements

Off-road non-motorized facilities – An 8' wide pathway is proposed along Beck Road. As requested by engineering, the pathway along Eleven Mile Rd. has been removed and payment will be made to the sidewalk escrow fund.

Pedestrian Connectivity - Noted

Building Code and Other Legal Requirements

Building Code - Noted

Design and Construction Standards - Noted

General Layout - All review letters have been addressed.

Economic Impact - Noted

Development Business sign and Street Addressing - The location of the monument sign has been shown on the plans. Application for an address will be made prior to stamping set approval.

Project and Street Naming - NA

Property Split - The property split will be applied for after sale of property is finalized.

Lighting and Photometric Plan

A lighting plan is being submitted.

Should you need any additional information please don't hesitate to contact us.

Very truly yours



April 6, 2017

Ms. Darcy Rechtien City of Novi - Engineering 45175 West Ten Mile Road Novi, Michigan 48375

Re: Griffin Funeral Home, Preliminary Site Plan Response to Engineering Review

JSP17-0013

Dear Ms. Rechtien:

Thank you for your recommendation for approval of the Preliminary Site Plan and Preliminary Storm Water Management Plan.

In response to your Plan Review Center Report dated March 31, 2017, we offer the following which will be addressed during the Final Site Plan Submittal:

General

- 1. The City standard detail sheets will be included with the Stamping Set submittal.
- 2. The Non-Domestic User Survey will be submitted.

Water Main

- 3. A tapping sleeve valve and well will be added.
- 4. A temporary hydrant will be added.
- 5. Noted

Sanitary Sewer

6. A sanitary sewer monitoring manhole with a 20' wide access easement will be added.

Storm Sewer

- 7. A site drainage area map and storm sewer sizing calculations will be included.
- 8. Roof drains will be addressed.
- 9. A sump and oil/gas separator will be addressed during Final Site plan.

Storm Water Management Plan

- 10. The pond and lawn areas c factor calculations will be clarified.
- 11. Release rate calculations will be provided.

Paving and Grading

- 12. The existing, proposed and master planned right-of-way lines will be clarified on the plans. An off-site sidewalk easement has been submitted.
- 13. A payment to the City for the cost of the Eleven Mile Rd sidewalk will be made. An administrative variance is requested.

Soil Erosion and Sediment Control

14. SESC plans will be included with the Final Site Plan submittal.

Off-Site Easements

15. We received a review of the off-site easement exhibits from SDA, dated April 4, 2017 and completed the required corrections. The revised draft copies of the easements have been submitted for review.

Final Site Plan Submittal

- 16. A response letter will be provided.
- 17. An itemized opinion of probable construction cost will be provided.
- 18. A recent title search and legal escrow funds will be submitted.

Stamping Set Submittal

19. Items 19 – 21 will be addressed with the Stamping Set Submittal.

Prior to Construction

20. Items 20 -29 will be addressed prior to construction.

Please contact if you have any additional questions.

Thank you for your assistance with this project.

Very truly yours,

Andrew J. Wozniak

Pc: Mr. David Griffin



April 13, 2017

Mr. Rick Meader, Landscape Architect **City of Novi Planning Department** 45175 W. Ten Mile Road Novi, Michigan 48375

Re: JSP 17-13 Griffin Funeral Home - Landscape Review

Dear Mr. Meader:

We have received the Preliminary Plan Review for the Griffin Funeral Home per the review packet dated March 23, 2017. Our responses to the Landscape Plan review comments are listed below:

A. Existing Soils

1. Noted.

B. Existing and Proposed Utility Locations

1. Noted.

C. Existing Trees

- 1. Noted.
- 2. Noted.
- 3. Tree protection will be added to civil drawing C-2 per requirement.

D. Adjacent to Residential - Buffer

- 1. Noted.
- 2. Noted.
- 3. Planting will be revised to meet denser opacity requirements.
- 4. An alternate tree species will add on future revised plans.
- 5. Noted.
- 6. Noted.

E. Adjacent to Public Rights-of-Way - Berm

- 1. Noted. Landscape wavier requested.
- 2. Noted.

F. Street Trees

- 1. Noted.
- 2. Noted. Two (2) additional street trees will be provided on revised plans.

G. Parking Lot Landscaping

- 1. Noted.
- 2. Noted. Revised plans will meet the island size requirements as described.
- 3. Noted. Revised plans with adjusted landscape areas will provide required tree locations as described.

H. Parking Lot Perimeter Trees

1. Noted.

I. Loading Zone Screening

1. Noted.

J. Building Foundation Landscape

- 1. Noted.
- 2. Noted.

K. Plant List

1. We will work with staff to modify plant selection for foundation plantings to meet intent of native species criteria.

L. Planting Notations and Details

1. Noted.

M. Storm Basin Landscape

- 1. Noted.
- 2. Additional shrubs will be added to revised plans to meet requirements.

N. Irrigation Plan

1. Noted.

O. Proposed Topography

- 1. Noted.
- 2. Proposed grading for land-bank parking spaces will be provided by the civil engineer on a separate grading plan.

P. Snow Deposit

1. Noted.

Q. Corner Clearance

1. Noted.

If you have any questions, please feel free to contact me at your convenience. Thank you for your assistance with the Griffin Funeral Home Preliminary Site Plan.

Sincerely,

Steve Deak, RLA, LEED AP

Deak Planning + Design, LLC



March 10, 2017

Ms. Sri Ravali Komaragiri City of Novi Community Development 45175 West Ten Mile Road Novi, MI 48375

RE: Griffin Funeral Home, Preliminary Site Plan Response to the Wetland Review

Dear Ms. Sri Ravali Komaragiri:

We would like to thank ECT for their review of the Preliminary Site Plan.

We have reviewed their letter dated March 29, 2017 and offer the following response:

Wetland Comments

- 1. The proposed wetland and buffer impact for the outlet control structure will be provided with the next submittal.
- 2. This information will be provided with the next submittal.
- 3. The seed mix will be clarified with the next submittal.
- 4. The applicant has retained King & MacGregor Environmental to determine if the proposed development will require a wetland use permit from the MDEQ.
- 5. The City of Novi Engineering department has informed us that pre-treatment is not required since the existing pond has over three feet of water. We will confirm the depth of the water before the next submittal.

Should you need any additional information please don't hesitate to contact us.

Very truly yours,



April 6, 2017

Ms. Sri Ravali Komaragiri City of Novi Community Development 45175 West Ten Mile Road Novi, MI 48375

RE: Griffin Funeral Home, Preliminary Site Plan Response to Traffic Review

Dear Ms. Sri Ravali Komaragiri:

We would like to thank AECOM for their review of the Preliminary Site Plan.

We have reviewed their memorandum dated April 4, 2017 and offer the following response:

General Comments

- 1. Noted
- 2. Noted
 - a) An assembly area has been added to the plans;
 - b) A caretaker's residence is not proposed;
 - c) Noted.

Traffic Impacts

- 1. Noted;
- 2. Noted;
- 3. Noted.

External Site Access and Operations

- 1. Noted;
- 2. Noted;
- 3. Noted:
- 4. Noted;
- 5. Noted.

Internal Site Operations

- 1. General Traffic Flow
 - a) The turning radii will be revised and fire truck circulation patters will be provided with the next submittal:
 - b) A feasible alternate location for the trash enclosure is not available. The trash enclosure will rotate slightly in the same general location to accommodate a

landscape concern. The impact on parking during trash pickup does not concern the owner for the following reasons:

- Trash collection will be done during the day when the parking lot is typically empty
- The trash enclosure is located at the very rear of the parking lot and is typically empty
- Only 2-3 spaces parking spaces will be impacted
- Trash collection typically takes 2 minutes once a week.
- c) The applicant does not want to add pavement markings or signage as processions are rare and frequently flags are placed on cars in parking spaces rather than assemble for a procession;
- d) Additional dimensions will be provided for the width of the driveway at the entrance.

2. Parking Facilities

- a) As required, 121 parking spaces have been provided;
- b) Additional dimensions will be provided for the atypical spaces;
- c) There is not an alternative location for the three landbanked parking spaces located along the curve of the drive. These spaces will meet the required dimensions for a parking space;
- d) Noted;
- e) Noted;
- f) Four inch parking blocks will be added between the barrier free parking spaces and the sidewalk;
- g) Noted;
- h) Six inch curbs will be provided is areas where four inch curb is not required;
- i) The number of bicycle parking spaces will be added to the parking calculations table and dimensions for the layout of the bicycle parking area will be added.

3. Sidewalk Requirements

- a) Noted:
- b) ADA ramps will be provided for all sidewalks connecting to proposed sidewalk along Beck Road;
- c) Noted.

4. On-site pavement markings

- a) Additional pavement marking details will be added;
- b) Proposed sign height will be revised;
- c) The size of the proposed Stop Sign will be revised;
- d) The sign posts will be revised.

Should you need any additional information please don't hesitate to contact us.

Very truly yours,



April 6, 2017

Ms. Sri Ravali Komaragiri City of Novi Community Development 45175 West Ten Mile Road Novi, MI 48375

RE: Griffin Funeral Home, Preliminary Site Plan

Response to Facade Review

Dear Ms. Sri Ravali Komaragiri:

We would like to thank DRN & Associates for their review of the Preliminary Site Plan.

We have reviewed their letter dated March 29, 2017 and offer the following response:

- 1. Noted
- 2. The dumpster enclosure will be constructed of materials matching the primary structure as noted on the detail located on sheet C-10. The detail will be revised to provide wood doors as required.

Should you need any additional information please don't hesitate to contact us.

Very truly yours,



April 6, 2017

Ms. Sri Ravali Komaragiri City of Novi Community Development 45175 West Ten Mile Road Novi, MI 48375

RE: Griffin Funeral Home, Preliminary Site Plan

Response to the Fire Review

Dear Ms. Sri Ravali Komaragiri:

We would like to thank the Fire Department for their review of the Preliminary Site Plan.

We have reviewed their letter dated March 21, 2017 and offer the following response:

Comments

- The turning radius for the west entrance will be revised for the next submittal
- There are two proposed hydrants shown on sheet C-6 which we believe meets the City Ordinance. An additional hydrant will be added if needed.
- The fire lane will meet the requirements for 35 ton.

Should you need any additional information please don't hesitate to contact us.

Very truly yours

PRELIMINARY SITE PLAN FOR

CRIFFIN FUNERAL HOME

NOVI, MICHIGAN, SECTION 20



GROSS SITE AREA: 171,190.80 S.F. (3.93 ACRES) GROSS BUILDING AREA USABLE BUILDING AREA: 6,310 S.F. LOT COVERAGE ALLOWED LOT COVERAGE PROPOSED

BUILDING HEIGHT 31'- B. \ 1 210KY BUILDING SETBACK 20' REAR AND SIDES PARKING SETBACK:

PARKING SCHEDULE

PARKING SPACES REQUIRED

1 SPACE FOR EACH 50 SQUARE FEET OF USEABLE FLOOR AREA

USEABLE FLOOR AREA (LESS CHAPEL)
USEABLE FLOOR AREA (CHAPEL)

PARKING SPACES PROVIDED

STANDARD BARRIER FREE (INCLUDES 2 VAN ACCESSIBLE SPACE) BANKED TOTAL

23 121 SPACES

PROPRIETOR:

NOVI FUNERAL HOME, L.L.C. 7707 MIDDLEBELT RD. WESTLAND, MI 48185 (734) 968-9401 DAVID GRIFFIN

ARCHITECT:

JST ARCHITECTS 2919 WELBORN STREET DALLAS, TX 75219 (214) 522-4033 JOHN GARY

CIVIL ENGINEER:

ZEIMET WOZNIAK AND ASSOCIATES 55800 GRAND RIVER AVE, SUITE 100 NEW HUDSON, MICHIGAN 48165 (248) 437-5099 JULIAN J. WARGO JR., P.E.

LANDSCAPE ARCHITECT:

DEAK PLANNING + DESIGN 143 CADYCENTER # 79 NORTHVILLE, MI 48167 (248) 444-7892 STEVE DEAK, RLA







CIVIL ENGINEERING

EXISTING CONDITIONS

SITE PREPARATION PLAN PAVING AND DIMENSION PLAN

C-3.1 BANKED PAVING AND DIMENSION PLAN

11 MILE RO

10 MILE RO

LOCATION MAP

SITE-

GRADING PLAN

STORM SEWER PLAN

SANITARY AND WATERMAIN PLAN

STORMWATER MANAGEMENT PLAN

STORMWATER OUTLET ANALYSIS PLAN

STORMWATER MANAGEMENT DETAILS

EROSION CONTROL PLAN

EROSION CONTROL MAINTENANCE SCHEDULES C-9.1

C-10 CONSTRUCTION NOTES AND DETAILS

MDOT RAMP DETAILS C-11

ARCHITECTURE

PROPOSED FLOOR PLAN

USABLE SPACE FLOOR PLAN A1.0 FLEVATIONS

A2.0 COLOR BOARD

A3.0 3D VIEWS

LANDSCAPING

LANDSCAPE PLAN LP-1

LP-2 FOUNDATION PLANTING PLAN

LANDSCAPE DETAILS

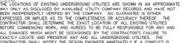
NOTE: A RIGHT-OF-WAY PERMIT WILL BE REQUIRED

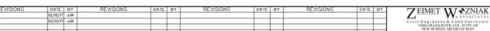
FROM THE CITY OF NOVI.

ALL WORK SHALL CONFORM TO THE CURRENT

CITY OF NOVI STANDARDS AND SPECIFICATIONS

NOTIE:
THE COATIONS OF DISTING INCEGROUND LITLINES ARE SHOWN IN AN APPROXIMATE THE COATIONS OF DISTING INCEGROUND LITLINES ARE SHOWN IN AN APPROXIMATE THE COATION. TO ADMINISTRATION OF THE COATION OF T











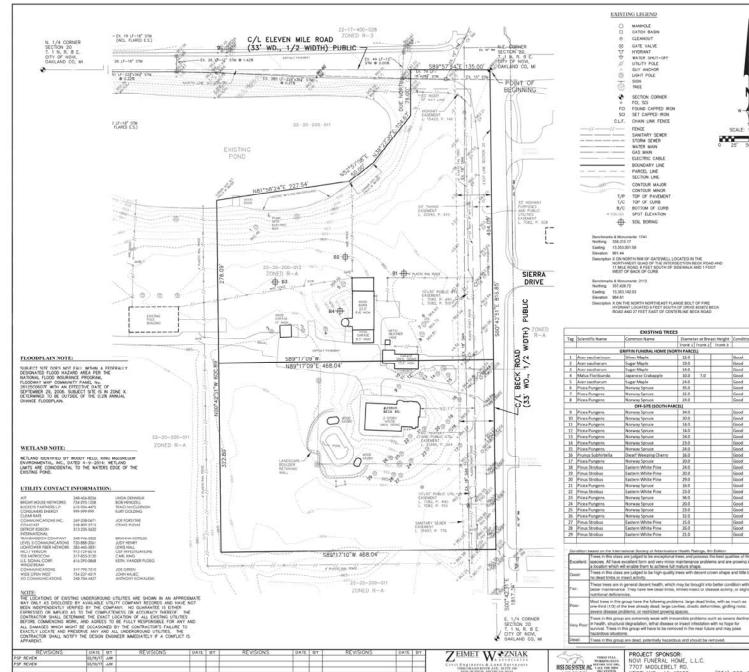
(734) 968-9401

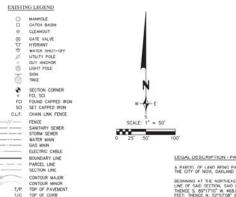
COVER GRIFFIN FUNERAL HOME NOVI, MICHIGAN, SECTION 20











B/C

Benchmarks & Monuments: 2112 Northing 357,428,72 Easting 13,353,142,03 Elevation 964,61

BOTTOM OF CURB SPOT ELEVATION - SOIL BORING

Benchmark & Monuments: 1741
Northing 388,351-17
Easting 13,33,001:55
Easting 13,33,001:56
Easting 13,3001:56
Easting 13,3001:

Description X ON THE NORTH NORTHEAST FLANGE BOLT OF FIRE HYDRANT LOCATED 9 FEET SOUTH OF DRIVE #25872 BECK ROAD AND 27 FEET EAST OF CENTERLINE BECK ROAD

EXISTING TREES

GRIFFIN FUNERAL HOME (NORTH PARCEL)

OFF-SITE (SOUTH PARCEL)

10.0 7.0

24.0

16.0

Trees in this class are judged to be high-quality trees with decent crown shape and little to no dead timbs or meet activity.

cease manerinance. They have two deals amon, instead react or deeses activity, or sign restrictional deficiencies:

Most three in this group have the following problems: large dead limbs, with as much as one-third (10,0 of the trea already deals large cavelies, chastic determities; girdling roots; severa disease problems; or restricted growing spaces.

Good

Good

Good

Good

Sugar Maple

Japanese Crabapple

Norway Spruce

Norway Spruce

Norway Spruce

Dwarf Weeping Cherry

astern White Pine

Norway Spruce

LEGAL DESCRIPTION - PARENT PARCEL 22-20-200-012

A PARCEL OF LAND BEING PART OF THE NORTHEAST 1/4 OF SECTION 20, TOWN 1 NORTH, RANGE 8 EAST, IN THE CITY OF NOW, DAKLAND COUNTY, MICHIGAN, BEING DESCRIBED AS FOLLOWS:

11 MILE RD

SECTION 20

IO MILE RO

LOCATION MAP

SITE-

BEDANNING AT THE NORTHEAST CORNER OF SAID SCHOOL 20, S. 00°42'3" C. BELDS FEET ALOND THE EAST LINE OF SAID SECTION, SAID LINE ALSO BENG THE CONTENTION FECK NORD. (SAID FEET WEEL, 17) WORNLY, S. 20°170' N. 46604 FEET, THINKE, K. 10°470' N. 46004 FEET, TO A POINT ON THE NORTH LINE OF SAID SECTION, SAID LINE ALSO BENG THE CONTENIES OF ELECTRIC MILLER FOR SAID SECTION, SAID LINE ALSO BENG THE CONTENIES OF ELECTRIC MILLER FOR SAID SECTION, SAID LINE ALSO BENG THE CONTENIES OF ELECTRIC MILLER FOR SAID SECTION, SAID LINE ALSO BENG THE CONTENIES OF ELECTRIC MILLER FOR SAID SECTION, SAID LINE ALSO BENG THE CONTENIES OF ELECTRIC MILLER FOR SAID SECTION SAID SAID SECTION SAID SECTION SAID SAID SECTION SAID SECT

LEGAL DESCRIPTION - RESULTANT PARCEL FUNERAL HOME

A PARCEL OF LAND BEING PART OF THE NORTHEAST 1/4 OF SECTION 20, TOWN 1 NORTH, RANGE 8 EAST, IN THE CITY OF NOV., DAKLAND COUNTY, MICHIGAN, BEING DESCRIBED AS FOLLOWS:

LEGAL DESCRIPTION - RESULTANT PARCEL REMAINING LAND

A PARCEL OF LAND BEING PART OF THE NORTHEAST 1/4 OF SECTION 20, TOWN 1 NORTH, RANGE 8 EAST, IN THE CITY OF NOW, OAKLAND COUNTY, MICHGAN, BEING DESCRIBED AS FOLLOWS:

COMMONIONS AT THE NORTHEAST CORNER OF SAID SECTION 20, THENSE S. 00°42′51° E. 494.05 FEET ALONG THE LAST LINK OF SAID SECTIONS, SAID LINE ASSO BEING THE CENTERINE OF BECK PRIOR (3.5 FEET MICH, 1/2 million) TO THE POWER OF THE CHILD CONTINUES ALONG SAID SEAT LINK AND CONTINUES OF EACH ROLD S. 00°42′51° E. 322.80 FEET THENCE S. 80°17′10° W. 486.01 FEET THENCE S. 00°42′51° W. 322.80 FEET. THENCE S. 90°17′00° E. 40°40° FEET TO THE POWER OF BEET TO THE POWER OF BEET TO THE POWER OF SECTION OF SECTIONS.



SOILS DATA

PER THE UEDA, NRCE. THE SOLS FOR THIS SITE ARE CLASSIFIED AS:

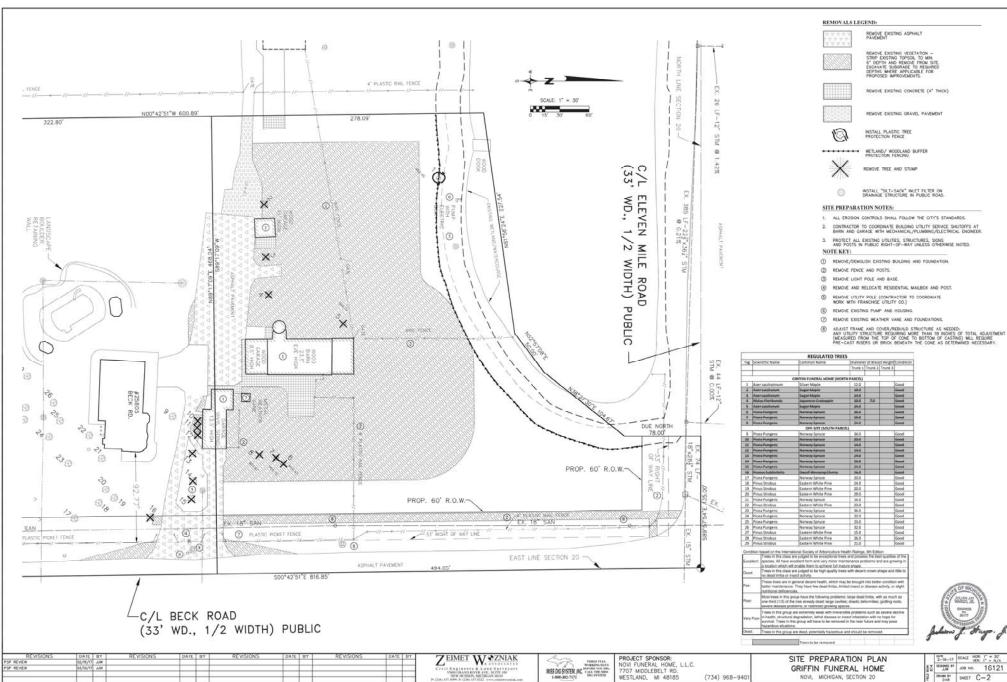
188 FOX SANDY LOAM, 1 TO 6% SLOPES. SAA MATHERTON SANDY LOAM, 0 TO 3% SLOPES.

ALSO, REFER TO "SOLS INVESTIGATION" PERFORMED BY McDOWELL AND ASSOCIATES (JOB NO. 17-041 DATED 2/27/2017) FOR SPECIFIC CORE CESTS. DESIGN TO AND PERSONNEL PROPERTY OF THE PRO



PROJECT SPONSOR: EXISTING CONDITIONS NOVI FUNERAL HOME, L.L.C. 7707 MIDDLEBELT RD. GRIFFIN FUNERAL HOME (734) 968-9401 NOVI, MICHIGAN, SECTION 20 WESTLAND, MI 48185

	2-16-17	SCALE HOR	1" = 50" 1" = N/A
80m	DESIGNED BY	J08 NO.	16121
ğ	DAB DAB	SHEET C	-1

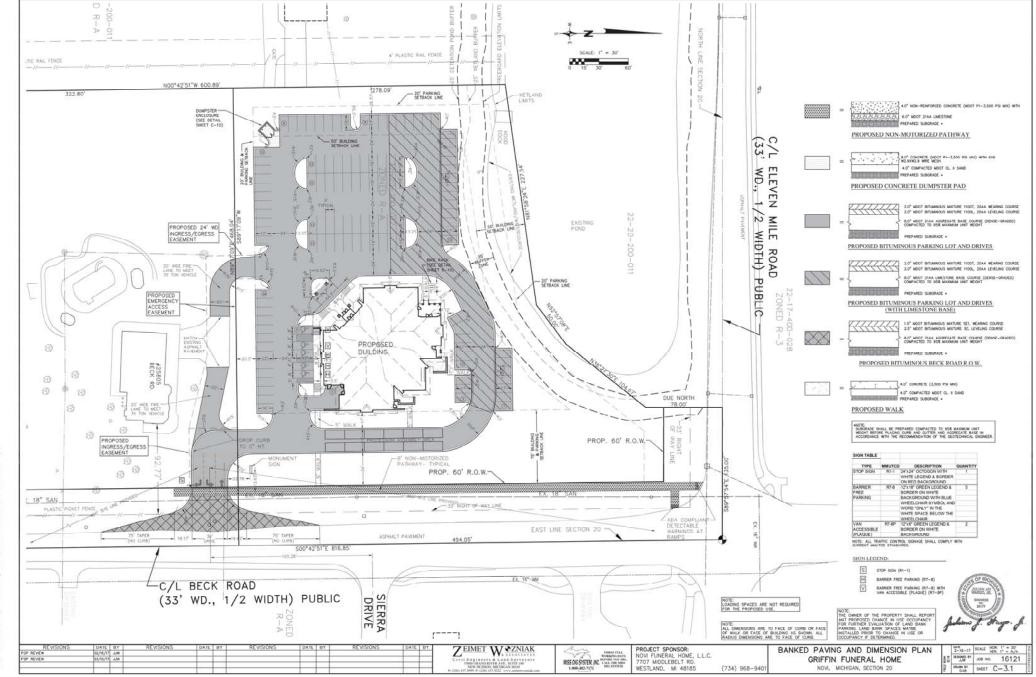


MISS DIG SYSTEM, INC. CALL THE MISS

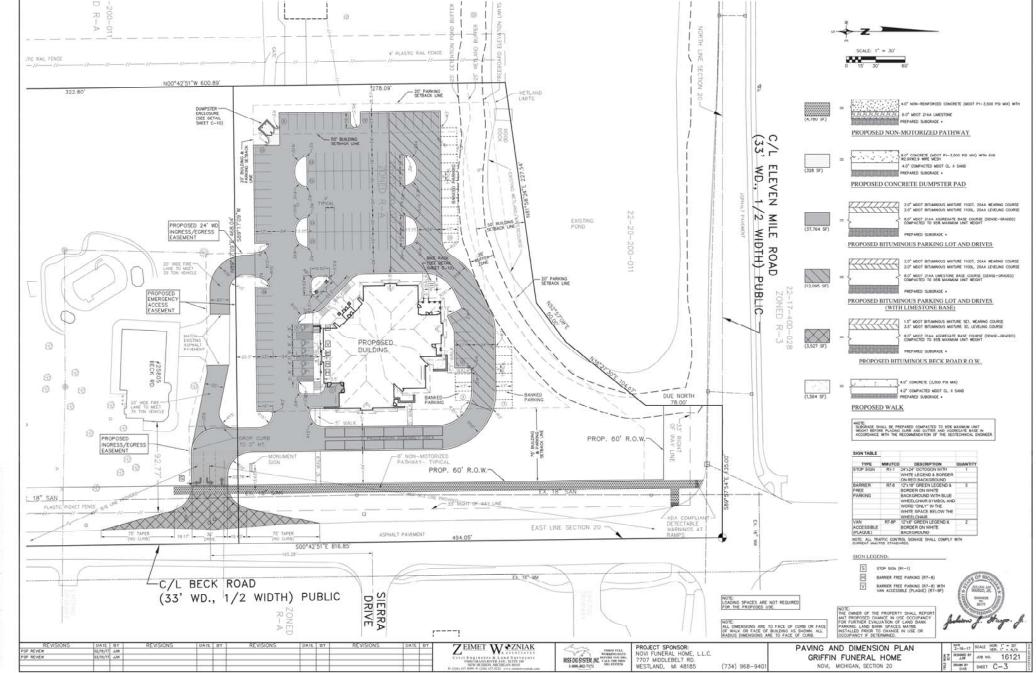
DAR SHEET C-2

NOVI, MICHIGAN, SECTION 20

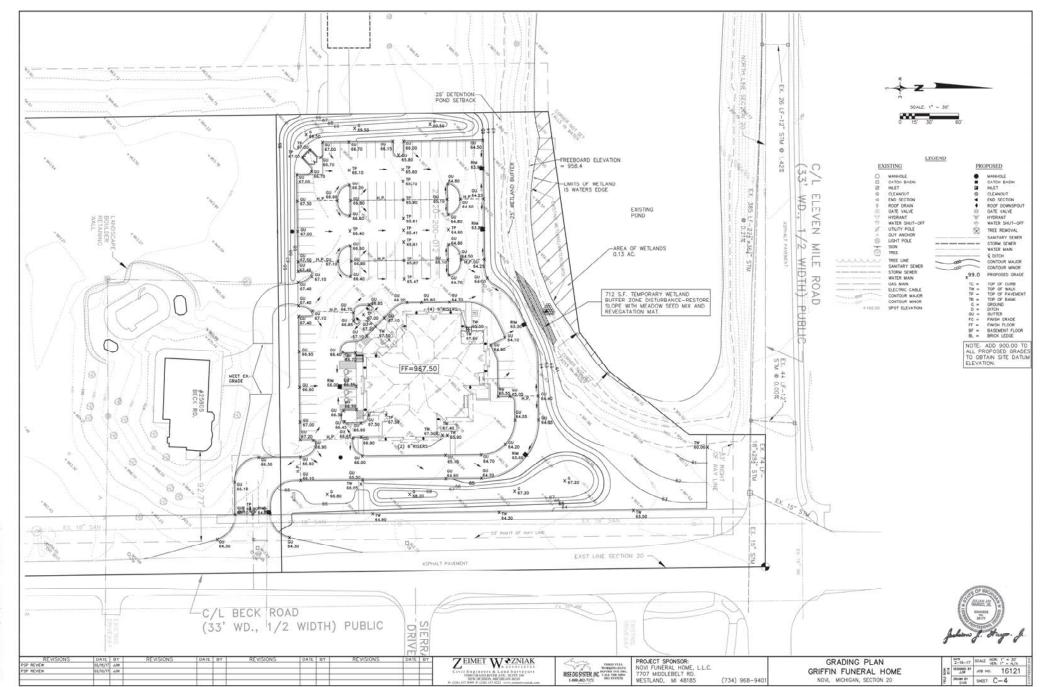
(734) 968-9401



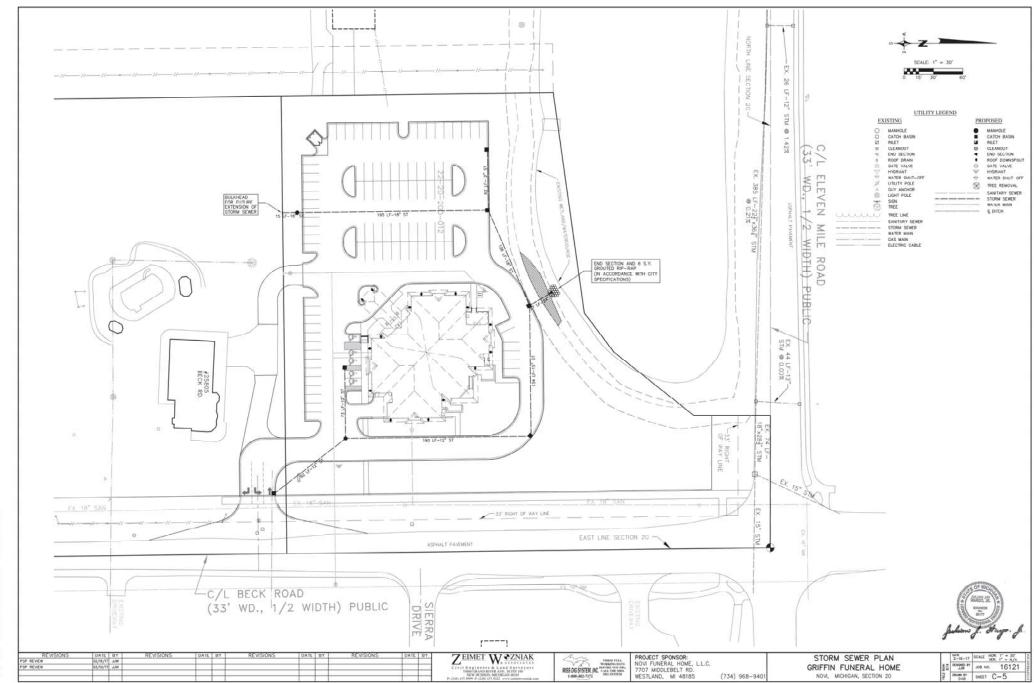
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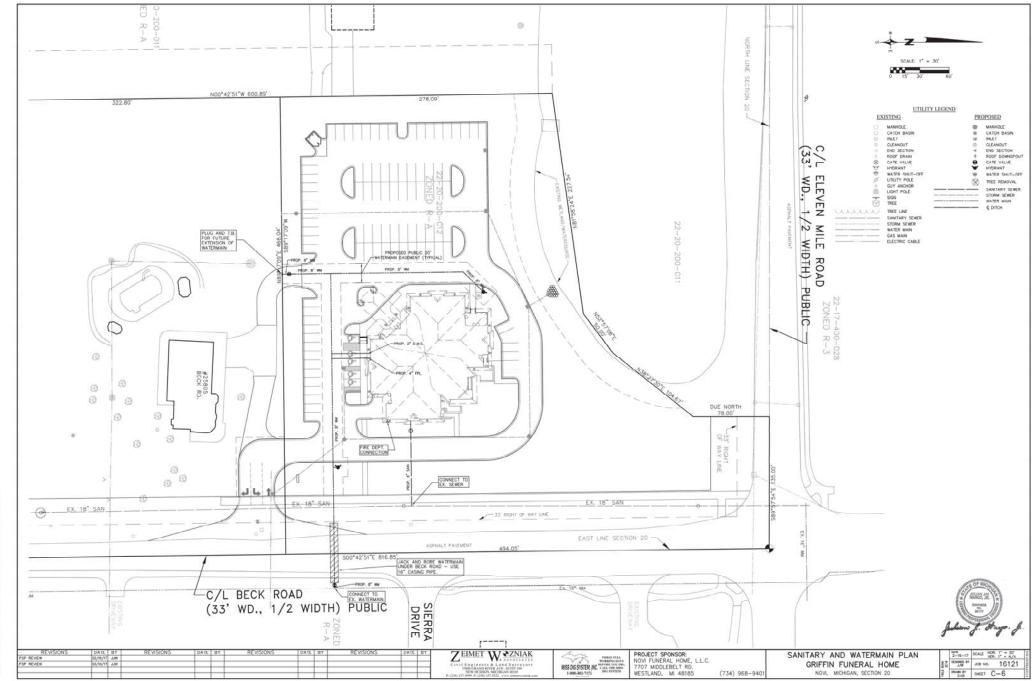
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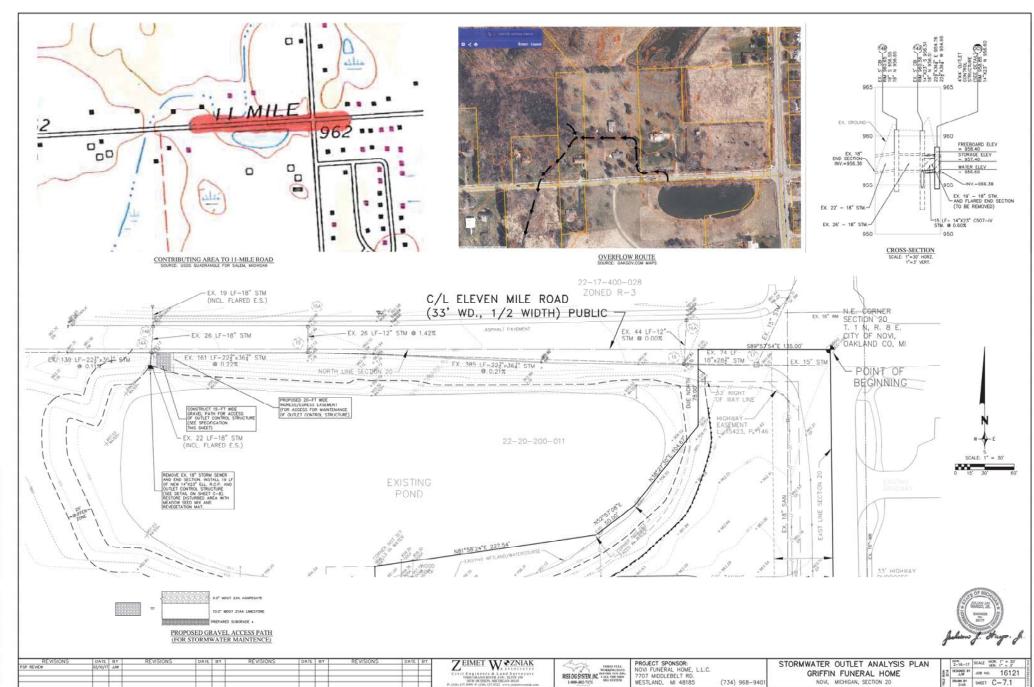
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MINISTEDMONEST Stein Planting, C.S. STOSES SEWER PLAN, 31002017 1 SEAS PIN, SEMINEY



emotal 21 DWO niti21 Sawrin Plan Jug. C.4. SANTARY AND WYTERSAN PLAN 2/10/2017 2:02:38 PM, dainly-pe



DAR SHEET C-7.1

(734) 968-9401

NOVI, MICHIGAN, SECTION 20

ZEIMET WOZNIAK

PROJECT SPONSOR:

WESTLAND, MI 48185

MISS DIG SYSTEM, INC. CALL THE MISS BOOKSTEEN NOVI FUNERAL HOME, L.L.C. 7707 MIDDLEBELT RD.

(734) 968-9401

2 Physical 21 DW0 1621 Summan Meagement Revide, C7 STORMVITR MANAGEMENT PLAN, 3102017 210 at PM, as

STORMWATER MANAGEMENT PLAN

GRIFFIN FUNERAL HOME

NOV., MICHIGAN, SECTION 20

STORMWATER MANAGEMENT PLAN

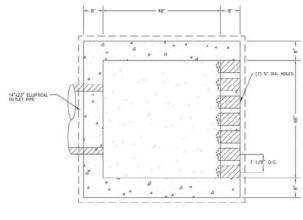
GRIFFIN FUNERAL HOME

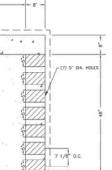
NOV., MICHIGAN, SECTION 20

STORMWATER MANAGEMENT PLAN

GRIFFIN FUNERAL HOME

NOV., MICHIGAN, SECTION 20





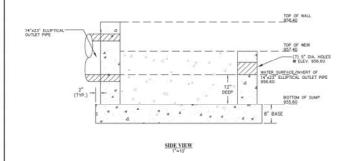
TOP VIEW 1"=10"

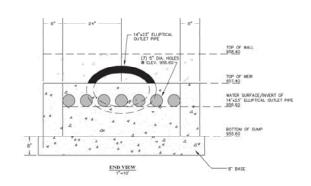
NOTES:

- THE PRECAST REINFORCED FLOW RESTRICTOR STRUCTURE SHALL BE MANUFACTURED PER ASTM $\,\mathrm{C-476}$ SPECFICATIONS.



56" X 64" STEEL BAR GRATE NOT TO SCALE





OUTLET CONTROL STRUCTURE



PSP REVIEW	02/10/17 JJW	REVISIONS	DATE BY	REVISIONS	DATE BY	REVISIONS	DATE BY	ZEIMET W OZNIAK	THREE PULL	PROJECT SPONSOR:	STORMWATER MANAGEMENT DETAILS	2-16-17 SCALE HOR: 1" = N/A
PSP REVIEW	03/10/17 JUW							CAVALERGISECTS & Land Surveyors	MISS DIG SYSTEM, INC. CALL THE MESS	7707 MIDDLEBELT RD.	GRIFFIN FUNERAL HOME	ата основно и дое но. 16121 ≡
								NEW HUDSON, MICHBOAN III165 Pt (200) 637-6009 Ft (200) 637-5322 https://doi.org/10.0006/j.com	1-800-482-7171 BOUNSYTEM	WESTLAND, MI 48185 (734) 968	9401 NOVI, MICHIGAN, SECTION 20	DAB SHEET C-8

INTELLEMENTS SESCIMATEMACE SOUTHERING OF LERGION CONTROL MANTEMACE SOUTHER, STOZET Z 1938 PM, dave

TEMPORARY MAINTENANCE AND INSPECTION TASKS AND SCHEDULE (DURING CONSTRUCTION) Note: The contractor shall maintain a log of all inspection and maintenance actives and shall make the log available to city personnel as needed.

Tasks	Pavement	Storm Sewer pipes	Catch Basin Sumps	Catch Basin Inlet Castings	Outflow Control Structures	Rip-Rap	Storm Detention Basins	Wetlands	Emergency Overflow	Schedule
Inspect for sediment accumulation		x	X		х		х			Weekly
Removal of sediment accumulation		х	х		х		х			As needed and prior to turnover
Inspect for floatables and debris				X	X		X			Quarterly
Cleaning of floatables and debris				х	X		x			Quarterly and prior to turnover
Inspection for erosion					X		X		X	Weekly
Re-establish permanent vegetation on eroded slopes							х		x	As needed and prior to turnover
Replacement of stone (if it cannot be adequately cleaned)					X	x			Х	As needed
Clean Streets	x									Daily
Mowing/remove invasive species							x			As needed and 0-2 times per year
Inspect storm water system components during wet weather and compare to as-built plans (by professional engineer reporting to condo assoc.)		х	x	x	x	x	x	x		Prior to turnover
Make adjustments or replacements as determined by annual wet weather inspection		x	x	x	x	x	x	x	x	Prior to turnover
Keep records of all inspections and maintenance activities and report to facilities manager	х	х	х	x	x	x	х	x	x	Prior to turnover
Keep records of all costs for inspections, maintenance and repairs report to facilities manager	X	x	x	x	x	x	х	x	x	Prior to turnover

PERMANENT MAINTENANCE AND INSPECTION TASKS AND SCHEDULE (POST CONSTRUCTION)

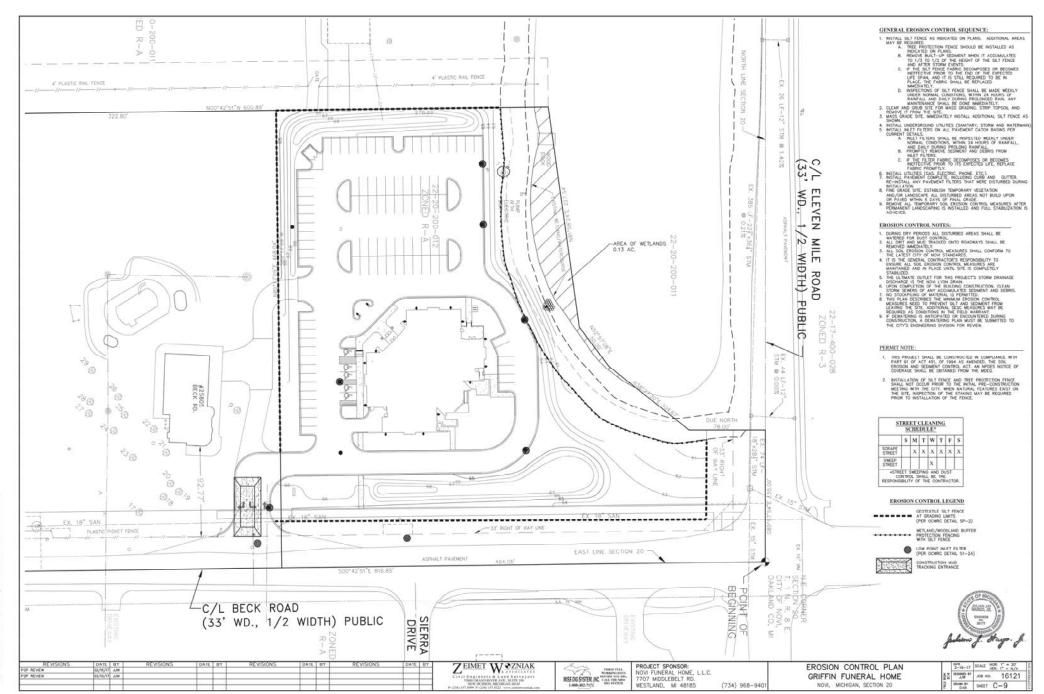
Note: The owner and/or facilities manager shall maintain a log of all inspection and maintenance actives and shall make the log available to city personnel as needed.

Tasks	Pavement	Storm Sewer pipes	Catch Basin Sumps	Catch Basin Inlet Castings	Outflow Control Structures	Rip Rap	Storm Detention Basins	Wetlands	Emergency Overflow	Schedule
Inspect for sediment accumulation		x	×		x		x			Annually
Removal of sediment accumulation		x	X		x		x			Every 2 years as needed
Inspect for floatables and debris				X	X		X			Annually
Cleaning of floatables and debris				X	X		X			Annually
Inspection for erosion					X		X		X	Annually
Re-establish permanent vegetation on eroded slopes							х		x	As needed
Replacement of stone (if it cannot be adequately cleaned)					х	х			х	Every 3-5 years as needed
Clean Streets	x									Semi-Annually
Mowing/remove invasive species							x			0-2 times per year
Inspect storm water system components during wet weather and compare to as-built plans (by professional engineer reporting to condo assoc.)		x	x	x	x	x	x	x		Annually
Make adjustments or reptacements as determined by annual wet weather inspection		x	x	x	х	x	х	x	x	As needed
Keep records of all inspections and maintenance activities and report to facilities manager	x	x	x	x	x	x	x	x	x	Annually
Keep records of all costs for inspections, maintenance and repairs report to facilities manager	х	х	Х	х	х	х	х	х	х	Annually









Physical 21 DWO NEST ERCORD CONTIGUE PLAN Aug CAR ERCON CONTIGUE, PLAN, 3 10 2017 2 17 33 PM, allerene

CONTRACTOR FAMILIANS THE PERSON LINE DE111/14 WETLAND/WOODLAND BUFFER PROTECTION

PLAN

ELEVATION

munu.

SIDE ELEVATION

Comments.

PLAN VIEW

(計)

1 THICK 1 TOO PUI CONCRETE PORTLAND COMENT

2.05 MXX

ONSITE SIDEWALK

EXTENDED 6" BEYOND YORMS

TREE PROTECTION DETAIL

CEL THA

ON-SITE CONCRETE SIDEWALK

STANDARD STEEL FENCE POST

FULL PAVEMENT MARKING SPECIFICATIONS:

- BARRIER-FREE PARKING SPACES AND ASSOCIATED CROSS-HATCHED ACCESS AISLES SHALL BE MARKED IN
- BLUE. NON-BARRIER-FREE PARKING SPACES SHALL BE MARKED
- NON-BARRIER-FRAE AND NON-BARRIER-PARKING ABUTTING BARRIER-FREE AND NON-BARRIER-PARKING SPACES SHALL BE SEPARATED BY ABUTTING BLUE AND WHITE STRIPES.
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (LE. WHEELCHAIR) SHALL BE MARKED IN WHITE

MICH DEEP SANGUT TRANSVERSE JOINTS AT 6 FEET NOT I BICH EXPANSION JOINT WITH FILLER AT MAINAGE PACKETS OF SET ALSO 1 HOT EMPANDION JOINT WERE WALK ABUTS CURB & OUTTER.

ALL DESIGN, FILL COUPMENT OF MODIFICITIES BE KEPT CLEAR OF AREA WITHIN PROTECTIVE FONCE. NO CLEANING OF COUPMENT, OF MATERIAL WITH ANY MATERIAL WITH

REMORROWENT W/ (30 AS MODE DON'T, TOP & BOTTOM

(I) FRAME WITH 2" O.D. FIFT, ALL JUNES (B) If 60 POSTS WIN CAP TW. FOR

WIRE FARRIC WITH VANIE, SLATS TOUGH BAR, THE TENSION CLPS, 15° C.C. THP.

LATEN WITH PROVISIONS FOR PAGEOD

(3) I' DIA GALV PIPE CAST INTO 12" DIA CONC. FOOTING TO ACCOUNT CAME BOX !

ALL POSTS, FIFE, FASHEC AND FITTINGS TO ME ONLY STL. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWNESS FOR APPROVAL

SCREEN WALL SECTION

WATER MAIN NOTES:

- ALL WATER MAN SHALL BE MISTALED WITH A MINIBUL COVER OF 5.5° BELOW FINISH GRADE. WHEN WATER MANS MUST DP TO PASS LINDER A STORM SEWER OR SANTARY SEMER, THE SECTIONS WHICH ARE DEEPER THAN NORMAL SHALL BE KEPT TO A MINIBUL ELROTH BY THE LISE OF VERTICAL TWONTY TWO AMO A HALF (22-5°) DEGREE BROSS.

- TRENCHES TO BE COMPACTED TO 90% OF BETTER.

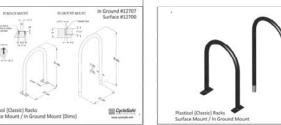
 ALL TEE'S, BENDS, CONNECTIONS, ETC. ARE CONSIDERED INCIDENTAL TO THE JOB.

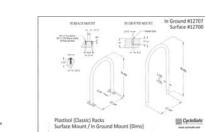
 PHYSICAL CONNECTIONS SHALL NOT BE MADE BETWEEN EXISTING AND NEW WATER MAINS UNTIL TESTING IS SATISFACTORILY COMPLETED.

PAVING NOTES:

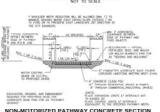
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS

- SMALIAR APPROVED MATERIAL. BACKFLL SHALL BE COMPACTED TO 95% OF THE MAXIMUM UNIT WEIGHT (FOR AST) 0-1557) UNLESS OTHERWISE SPECIFIED. BE COMPACTED TO SETALS AND SUB-PARCO PARCO PAR



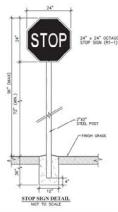






NON-MOTORIZED PATHWAY CONCRETE SECTION (IN ROAD R.O.W)







DUMPSTER ENCLOSURE DETAILS NOT TO SCALE

FRONT ELEVATION

CONCRETE

GROUT SOLE FIR

S' CONCRETE SLAD RONF. W/ END WILLIAM SE N. M.F. DN S'

ZEIMET W ZNIAK

MISS DIG SYSTEM, INC. CALL THE MESS

PROJECT SPONSOR: NOVI FUNERAL HOME, L.L.C. 7707 MIDDLEBELT RD. WESTLAND, MI 48185

GRIFFIN FUNERAL HOME NOVI, MICHIGAN, SECTION 20

2-16-17 SCALE HOR: VER: осномен вт дое но. 16121 DAR SHEET C-10

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS
- OF THE CITY OF NOVE.

 ALL TREMONES LODGE OR WITHIN THREE (3) FEET OR THE FORTY FIVE (45°) DEGREE ZONE OF INFLUENCE LINE OF EXISTING AND/OR PREPORDED PAYABLETS, BULLDOW PAR OR DRIVE APPROACH SHALL BE BACCHLLED WITH SAND COMPACTED TO AT LEAST NATEY-FIVE (95%) PERCENT OF MAXBUM UNIT WEIGHT (ASTM 0-1557). ALL OTHER TRENOHES TO BE COMPACTED TO JONG OR BETTER.
- MAINTAIN 10" HORIZONTAL CLEARANCE BETWEEN OUTER EDGE OF WATER MAIN AND ANY SANITARY SEWER OR
- STRUCTURE. ALL WATER MAIN SHALL BE DUCTUE IRON CLASS SA WITH POLYETHYLENE WRAP
- REFER TO CITY OF NOVI WATER MAIN DETAIL SHEETS FOR ADDITIONAL INFORMATION.

SANITARY SEWER NOTES:

- DOWNSPOUTS. WEEP TILE, FOOTING DRAINS OR ANY CONDUIT THAT CARRIES STORM OR ORGAND WATER SHALL NOT
- COMMISCRIST, MEDY ILE, FOOTING DRAINS DRAWY CONTROL THAT CANNESS STORM OF USCOL DE ALLOMED TO DESCHARGE WITH A SANITARY SEWER. OR 2.5. AT 1.00E MINIMUM SLOPE, REFER TO CITY OF NOW STRANDARD DETAILS FOR PIPE RECORD DETAILS. REFER TO CITY OF NOW STRANDARD DETAILS FOR PIPE RECORD DETAILS.

- OF THE CITY OF NOVI AND M.D.O.T.

- OF THE CITY OF NOW AND MO.O.T. IN ARESEMBLY CONSTRUCTED, THE TOPSOL AND SOL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PARKMANT CONSTRUCTION.
 SHALL BE REMOVED PRIOR TO PARKMANT CONSTRUCTION.
 SUBGRADE INDEPCITION, INCLUDION BEAGNIFLIAND SHALL BE PERFORMED TO REPLACE MATERIALS SUSCEPTIBLE TO PRIOR THANMO AND UNSTRUCE SOCIOMOTHOS. ANY EXCAMATIONS THAT MAY BE REQUIRED BELOW THE TOPSOL IN FILL SECTIONS ON BEIOM SUBGRADE WEDGEDOLTRION.
 SUBGRADE UNDEPCITION SHALL BE PERFORMED WHERE MICESSARY AND THE EXCAMATION MATERIAL SHALL BECOME WERE MICESSARY AND THE EXCAMATION MATERIAL SHALL BECOME WE PROPERTY OF THE CONTRICTOR ANY SUBGRADE WEDGENOLTHING.

In Ground #12707 CycleSele

TYPE 'A'
INTEGRAL CURB-WALK DETAIL
NOT TO SCALE

TYPE 'C' STRAIGHT CURB DETAIL

STORM SEWER NOTES:

GENERAL UTILITY NOTES:

- ALL STORM SEWER 12" AND LARGER SHALL BE RCP CLASS IV UNLESS OTHERWISE NOTED, REFER TO CITY OF NOVI ANDARD DETAILS SPEET FOR STANDARD BEDDING DETAILS.

PERPHERY OF OPENING TO CREATE A PLANE OF WEAKINESS JOINT DEFORE BREAVING SECTION OUT. EXACT GRADES AND DEPTHS OF UTILITIES ARE TO BE CHECKED CLOSELY BY THE CONTRACTOR PRIOR TO INSTALLATION, FURNISH PIPE LOCATIONS AND ELEVATIONS TO DESIGN ENGINEER TO CONFIRM OR RE-DESIGN. REFER TO CITY OF NOVI STANDARD DETAIL SHEETS FOR ADDITIONAL INFORMATION.

- STANDARD CEREAS SMELT FOR STANDARD BELOWS CEREAS.

 JOHNS FOR ALL STOOM SERRE 12" AND AURORS SHALL BE MOOFED TONIQUE AND GROOVE JOHN WITH FURBER
 GASKETS UNLESS SPECPRED OTHERWES (ASSIGN C-443).

 ALL STOOM SERRE LEAGH SHALL BE CONSTRUCTED OF PVC SCHEDULE 40 PPE AT 1.00% MANMAN SLOPE WITH GALED
 JOHNS, LIAZES ON-BRIMES WONTO. RETRE TO CITY OF NOW BETALS FOR BEDOND DETALS.

 REFER TO CITY ON STOOM STOOM SERVE PETAL SHEETS FOR ADDITIONAL PROPARATION.

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THE PROJECT.

STUMPS OR OTHER DEBRIS SHALL NOT BE PERMITTED.

FOR SEPARATELY.

GRADING NOTES:

ALL DIADESIONS SHOWN ARE TO BLACK OF CURB, FACE OF SIGEWALK, OUTSIGE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANIOLE/CACTOR BASIN OR CENTERINE OF PIPE UNLESS ORDERINES NOTES. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF NOVI CURBENT STANDARDS AND REGULATIONS. THE CONTROLLO

INCLUSIONAL ROLL THAT OF THE OUT THAT OF THAT

STRUCTURES (MANHOLES, CATCH BASINS, INLETS, GATE WELLS ETC.) WITHIN GRADED AND /OR PAVED AREAS TO FINAL GRADE SHOWN ON THE PLANE. ALL SUCH ADJUSTMENTS SHALL BE INCIDENTAL TO THE JOB AND NOT BE PAID.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF NOV.

OF THE O'TY OF NOVA.

ALL MECESSARY PERMITS, TESTING, BONDS AND INSURANCE ETC., SHALL BE PAOL FOR BY THE CONTRACTOR. THE
OWNERS SHALL PAY FOR HALL THE GITY INSPECTION FEES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL DURING THE PERMOSS OF CONSTRUCTION. THIS SHALL
BE CONSIDERED NUMBERTAL TO THE JURY.

PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL CONTACT MISS DIG (811) TO VERIFY THE LOCATION OF ANY

EXISTING UNDERGROUND UTILITIES AND SHALL NOTIFY OTHER REPRESENTATIVES OF OTHER UTILITIES IN THE VICINITY

ALL PROPERTIES ON FAULTIES IN THE SUMMORNANCE SOURCE, PODOC ON PREVAILE DESINDED OF DIFFERENCE OF THE SUMMORNANCE OF THE SUMORNANCE OF THE SUMMORNANCE OF THE SUMMORN

BY THE INVARENCE BEFORE THE CONTINUENDS WITHOUT WASHINGTON TO RECONSIDERED COMPLETE.
CONTRACTOR SHALL REGIONS AND DISPOSE OF OFF-SITE ANY TREES, BRUSIN STUMPS, TRASH OR OTHER LINWANTED
CEREBRE AT THE COMMEN'S DIRECTION, INCLUDING OLD BUILDING FOUNDATIONS AND FLOORS. BURNING OF TRASH,

STUMPS OR OTHER DEBRIS SHALL NOT BE PERMITTED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADING, LIGHTS AND TRAFFIC CONTROL DEVICES TO PROTECT

THE UNDER AND SHETLY CONTAIN TRAFFIC IN ACCORDANCE WITH "MANUTOD."

THE WINDOW AND SHETLY CONTAIN TRAFFIC IN ACCORDANCE WITH "MANUTOD."

ALL DICKAYATIONS SHALL BE SUPPE, SHORED OR BRACED IN ACCORDANCE WITH MI-O-HAR REQUIREMENTS. THE

ALL DICKAYATIONS SHALL BE SUPPE, SHORED OR BRACED IN ACCORDANCE WITH MI-O-HAR REQUIREMENTS. THE

CONTRACTOR SHAP REPORTED. ACCORDANCE WITH THE PROPER REMOVERS. TO THE CONTRACTOR SHAP ACCORDANCE WITH THE PROPERTY OF THE PROPERTY

ALL WORKMANSHIP AND MATERIALS SHALL HE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AND/OR OBTAIN ANY INFORMATION NECESSARY IT SHALL BE THE CONTRACTORS RESPONSIBLE TO VERTIFY AND/OF GREAT ANY INFORMATION RECESSARY REGISTRATION OF THE RESPONSIBLE OF TH

ALL PROPERTIES OR FACULTIES IN THE SURROUNDING AREAS, PURIL OR PRIVATE DESTROYED OR OTHERWISE



(734) 968-940

CONSTRUCTION NOTES AND DETAILS

REVISIONS	DATE	BY	REVISIONS	DATE	BY	REVISIONS	DATE	BY	REVISIONS	\neg
PSP REVIEW	93/19/17	TIM		-					-	
		-								
-										

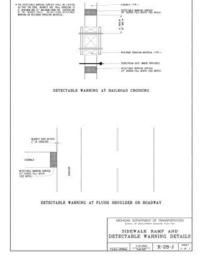
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	A ANDRESALES
CAVALER GLARGES SSEE GRAND RO NEW HUDSON	A Land Surveyors VER AVE. SUITE 100 MICHIGAN MASS
P (28) 47 509 F (28) 0	7.6322 www.neimetwormink.com

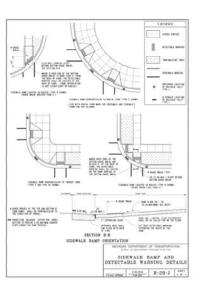


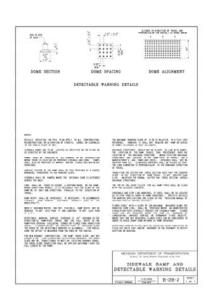
OME, L.L.C. f RD. .8185 (734) 968-9401

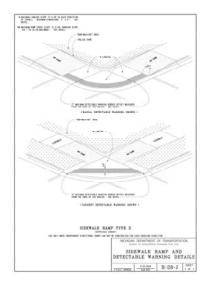
MDOT RAMP DETAILS GRIFFIN FUNERAL HOME NOVI, MICHIGAN, SECTION 20

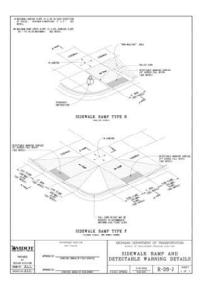
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80m	DESIGNED BY	JOB NO.	16121
ğ	DAR DAR	SHEET C	-11

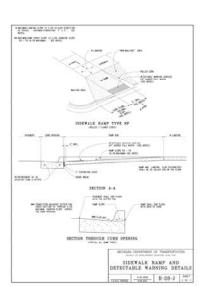


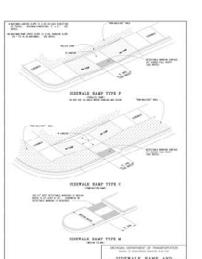






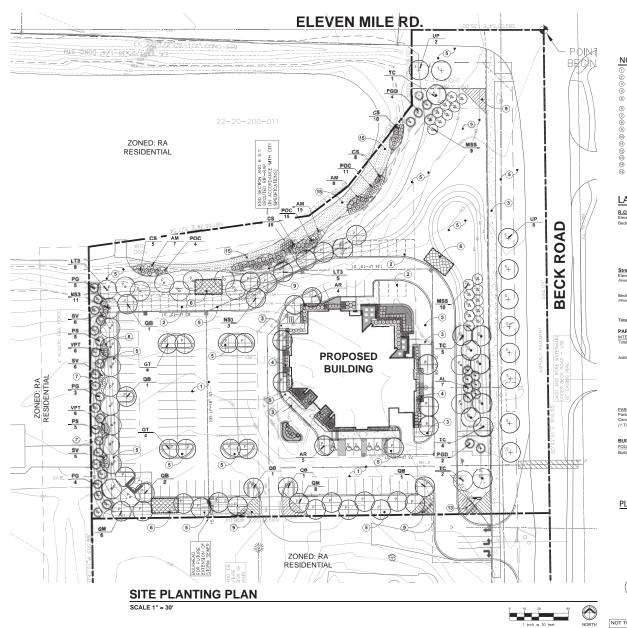






10-08 R-28-J 100





NOTE KEY: • 1

CONCRETE SIDEWALK - SEE CIVIL DWGS.

(B) SNOW DEPOSIT AREA

B SHOVEL CUT BED EDGE TYPICAL

9 25' CLEAR VISION TRIANGLE 2° DIA EGGSTONE OVER FILTER MA

(1) 4" RYERSON STEEL EDGING. * THICK

(13) PROJECT SIGN - SEE ARCH, DRAWINGS.

(S) NATIVE SEEDING, SEED TO EDGE OF WATER, SEE MIX SHEET LP-3

LANDSCAPE DATA

Eleven Mile Road Frontage:	76 In. ft.
Beck Road Frontage:	434 In. ft.
Total Frontage:	510 In. ft
Canopy/Evergreen Trees Req.: (1 Tree/ 35 In. ft.)	15 Trees
Canopy/ Evergreen Trees Prov.:	15 Trees
Sub-Canopy Trees Req.: (1 Tree/20 In. ft.)	26 Trees
Puls Conomy Tropp Brown	20 Trans

51 In 8 od From Sight Dist. Tria (1 Tree/ 45 In. ft.) Trees Required: 1 Trees 385 In. ft.

9 Trees Total Trees Provided: 10 Trees

PARKING LOT INTERIOR PARKING LOT LANDSCAPING Total Square Footage of Parking Spaces: 16,316 s.f. al Square Footage of Parking Spaces:
Required Landscape Area:
(Parking space s.f. x 0.10 s.f.)
Itilional Paved Vehicular Use Area:
Required Landscape Area:
(V.U.A. x 0.05 s.f.)
Total s.f. of Landscape Area Req.:
Total s.f. of Landscape Area Prov.

3,368 s.f. 3,622 s.f. Parking Lot Tree Requirement: Total Trees Required (1 per 75 s.f.): Total Trees Provided:

PARKING PERIMETER LANDSCAPING Parking Lot Perimeter: CanopylEvergreen Trees Req.: (1 Tree/35 In. ft.) Total Trees Provided: 23 Trees

BUILDING OUNDATION PERIMETER LANDSCAPING ding Perimeter: Landscape Area Req.:

PLANTING KEY



GREENBELT TREES



⊕ € BUFFER TREES



NOT TO BE USED AS CONSTRUCTION DRAWING



GENERAL PLANTING REQ.

P SOD SHALL BE TWO YEAR OLD 1

PLANT MIX

1 - 6 CU FT. BALE CANADIAN PEAT

PER 100 SQ FT BED AREA.

HAND TILL INTO SOIL TO A DEPTH OF 12" MINIMUM

MULCH

NO GROUND WOOD PALETTE MULCH PERMITTED

TOPSOIL

CONTRACTOR TO TILL OR DISK SUBGRADE TO 4" DEPT AND INSTALL 4" COMPACTED DEPTH TOPSOIL IN ALL LAWN AREAS - TOPSOIL SHALL BE PROVIDED BY CONTRACTOR

PLANT KEY



IRRIGATION

ALL LANDSCAPE AREAS WILL BE IRRIGATED WITH A FULLY AUTOMATIC IRRIGATION SYSTEM.





ITI 866 355-4204

DATE 03/10/17	SCALE HOR: 1" = 30" VER: 1" =
DESIGNED BY SD	JOB NO.DPD-121702
DRAWN BY SD	SHEET LP-1



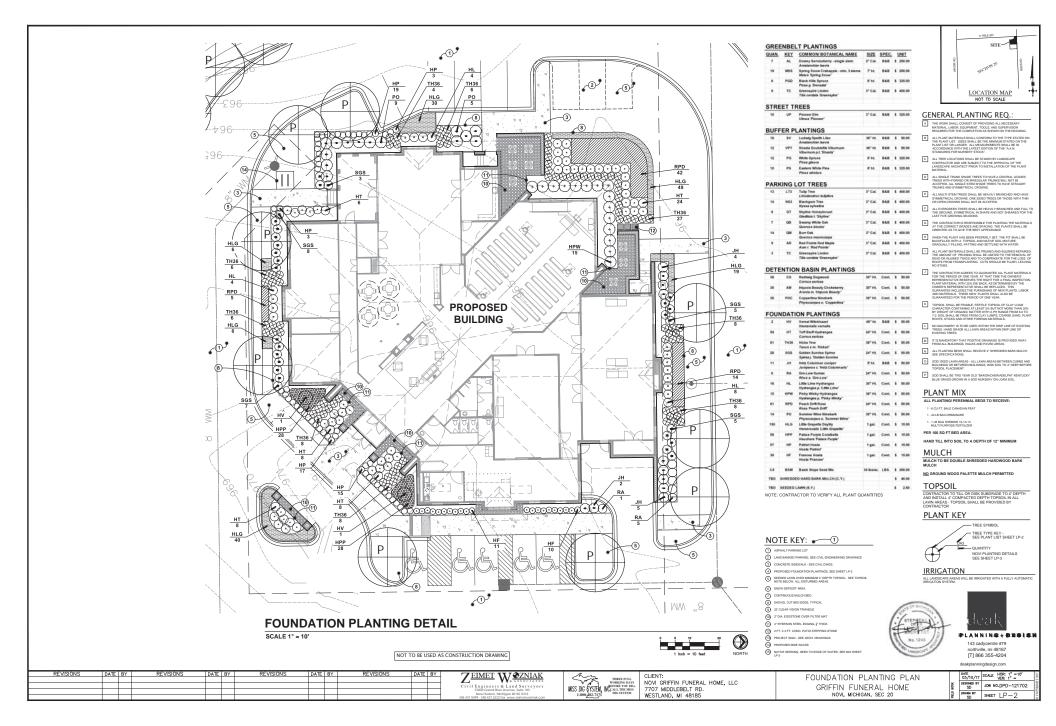
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REVISIONS

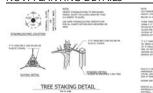
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DATE BY





NOVI PLANTING DETAILS



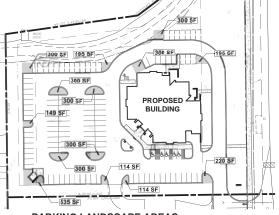




DECIDUOUS TREE PLANTING DETAIL

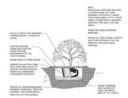
EVERGREEN TREE PLANTING DETAIL

NOVI LANDSCAPE SPECIFICATIONS

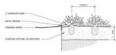


PARKING LANDSCAPE AREAS





SHRUB PLANTING DETAIL



PERENNIAL PLANTING DETAIL

EROSION CONTROL BLANKET

ANGEST ANGES	Mater	ial and Performance Sp	ecification Sheet	14940 Highway 411 Exercision, IN 4712 800-773-2040 ESC, 812-887-6047
Liberary I	-	\$150 Erosion Contro	d Blanket	
a lightweight pho on 1:50 each (3.6	ens with the store in Antispretation prices It set serbes with the		 No stander that to counse on 838 (1.27 o 1.27 on) much. The tr 	to tip and believe toler seried shall be passe by
Transportation, 7 Projects, FF-GS	Federal Highway Ade Section 713.17 as a fg Live Horselastami will	obblished by the Errore Central Techni- controller's (Fritch) Devoker Specificate pe 2.2 Stanton Studie Mr Studie Cent a colored Tecnic obligated along faith salar-	a for Construction of Flowell and I sufficient	Stragen on Facilities My
Transportation, 1 Projects, FP-CE The Started shall	Federal Highway Ade Section 713.17 as a fg Live Horselastami will	destration's (fir80%) Dansed Specificate pe 2.9 Stanton Double Net Drawn Core	a for Construction of Flowell and I sufficient	Strapes on Fadoric Hy
Transportation, 1 Projects, FP-CE The Started shall	Federal Highway Ade Section 713.17 as a fg Live Horselastami will	destriction's (Printing Standard Aposthurbs pr 2:2 Standard Could be Ermain Could a colored Ferral offiched stony fully sale: Mathial Control Mills San Fiber	o for Construction of Roads and Intelligent (Clarket Higher (Approximately 2-6 Author (S.1) (A.1 Noviel (B.2) Agent)	Desper on Assistatives C.S. collision the edge) of
Transportation, 1 Projects, FP-CE The Started shall	Federal Highway Ade Section 713.17 as a fg Live Horselastami will	destration's (PARIS) Denderd Specification 22 disentation Dead May Deader Cont. a colored Tenni offiched along bulb sales. Material Content	e for Construction of Florids and in Clarified Higher (Agree/Higher) 2-6 Author (6-1	Desper on Assistatives C.S. collision the edge) of
Transportation, 1 Projects, FP-CE The Started shall	Federal Highway Ade Section 713.17 as a fg Live Horselastami will	deletation (PHRM) (Involved Specification 22 22 Standard South Northwater Card a colored Terest of the Standard Card a colored Terest of the standard Contact Material Contact Top and Souther sets, signiscipal Top and Souther sets, signiscipal Top and Souther sets, signiscipal	in the Constitution of Reside and in Indicated Higher (approximately 2-6 student) in \$1.5 turped (6.37 type) 1.5 turped (6.37 type)	Desper on Assistatives C.S. collision the edge) of
Transposition / Progests, PP-CS: The Startest chall swellag gards for	Federal Highway Ade Section 713.17 as a fg Live Horselastami will	ocasion i (1909) (Involve Specificate pr. 23 Stanton Studie No Studie Color a colored Trend oblived dang balls sales (1905) to Flori Sign and Subsection (1915) Sign and Subsection (1915) (Subsection (1915) (Subsection (1915))	in the Constitution of Reside and in Indicated Higher (approximately 2-6 student) in \$1.5 turped (6.37 type) 1.5 turped (6.37 type)	Desper on Assistatives C.S. collision the edge) of

SE SET REAL TOPONS COURSE WAS CONTINUED IN MICHAEL BROWN CO.

beloc Katsa Propo	Test Medical		Pedanuses Indge	-		
Property		Charlest Commit				
Tradress	ATTWOMER		Batter	Pended	in Class Street	
Terelismy	ECTL Gathlines	86.9%	Discontinue There	-	THE PART OF	of their
Water Rosetterny	Astrony	2165	Dragotisted Value	_	6.00 TO C. E.	
Manufiled show	ASTW9475	1650 solv# CRET give)	Chiefson Tons	-	Tantache	-
Seet	ECTC Outbriens	17%			-	
India Passiero		Yes	Mingle I	mign for	Se C Factors	
Silfress	ASTMOCHE	Liber	Section of the section of		Dige Credeth	а
salté Franchistore	ACTE Guitatines	18%	(Stort Leight C)	621	21-21	(8.2
Tembrilburgh A		THE REAL PROPERTY.	4 (0 k)6 a)	6304	8 10A	T NA
Consultion - ME	ACTIVIDADE	017%	36-96-6	5.00	0.116	198
lende Strengt-	D ASTRONO	194.4 Bull. C Assessed	8504252ml	0.62	9.190	NA.
Despite - 10	ATTWOMIN	B79c				
Bornell Strate Total	w with the		Region		clark lives.	
Test Medical	Bernederi	Benda	Flow Depth	Mars	0611	
ECTI Mahad 2	Mine Caple to Mase	51.8" + 8.58	K 6.59/9/35/15/46	1.155		
Turké.	100mm (4 style for 30 mm.	51.00° + 10.46	100-111	3.86	-0.001	
-	150 no. If sufer by 30 no.	N. 87 + 1347	4208 (SAE or	1.00		
CETE Matter?	Their of E III but and box	21500				
TETE Method 6	Top Sall, Faccure, 21 day recolumns	#Pringment of				

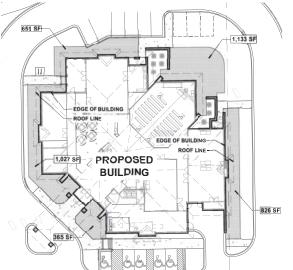
BASIN SLOPE MIX- INCLUDE 8150 BLANKET ENTIRE AREA

Industrial Name	Common Name	PLS Dunceshore
Permanent Grosses/Sedges/Rushe		1 000
Series programma	Crested Out Sedge	1.00
Cares frank (Briefly Cattal Swoge	1.80
Cerer lutide	Sottebrush Sedge	2.00
Carer spargarisidas y paphalosika	Rough-Contract Series	2.00
Carer supercioles	Brown Fox Sedge	2 10 6 10 5 10
Eleocharis prate	Sturt Spite Post	0.50
Elymus vegenous	Virginia VIIII Pyre	9.8
Opcierta schalte	Front Manna Circus	1.25
Arrora effusua	Common Rush	1.50
Amount tomps	Toney's Rush	125
wereign productions	Pitce Cut Green	1.50
Pantourn organism	Switch Grass	2.00
Scripus atrovinera	Dat Green Rush	1.80
Scipus rypertrus	Wrood Green	0.50
Crime funation	Riser Bulsals	1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6
Scripus retidus	Great Bultuch	6.00
Charles	Total	6.75
Temporary Cover:		
here salve	Common Call	360.00
plum multiforum	Arrust Fire	116.50
	Total	476.00
Forbe		
Figure 100.	Water Plantain (Vahous Mo.)	4.25 1.90 2.90 3.90 1.90
Apolipias recemete	Supra Wilcomed	1.50
Follows Note:	Siders (Various Mile)	2.00
Newton automale	Sheepersed	3.80
Minute ringens	Montey Finner	1.80
Perthosen sedolites	Dick Stewing	
Polygonum percynenicum Rudect is automentus	Smartnesd	4.00 1.00 1.00 1.00
Subject is automorphism	Sveet Black-Eyer Sunan	1.80
Septiate lethics	Broad-Ley American	1.80
Servine Ambaciante	Wild Serna	1.00
Neichun deşcepun	Purple Meadow Rive	2.00
	Total	2.26

NATIVE SEEDING MAINTENANCE



SEED MIX NOTES



FOUNDATION LANDSCAPE AREAS

NOT TO BE USED AS CONSTRUCTION DRAWING



LOCATION MAP

PLANT MIX

PER 100 SQ FT BED AREA.

MULCH

NO GROUND WOOD PALETTE MULCH PERMITTED

TOPSOIL

CONTRACTOR TO TILL OR DISK SUBGRADE TO 4" DEPTH AND INSTALL 4" COMPACTED DEPTH TOPSOIL IN ALL LAWN AREAS - TOPSOIL SHALL BE PROVIDED BY CONTRACTOR

PLANT KEY



IRRIGATION

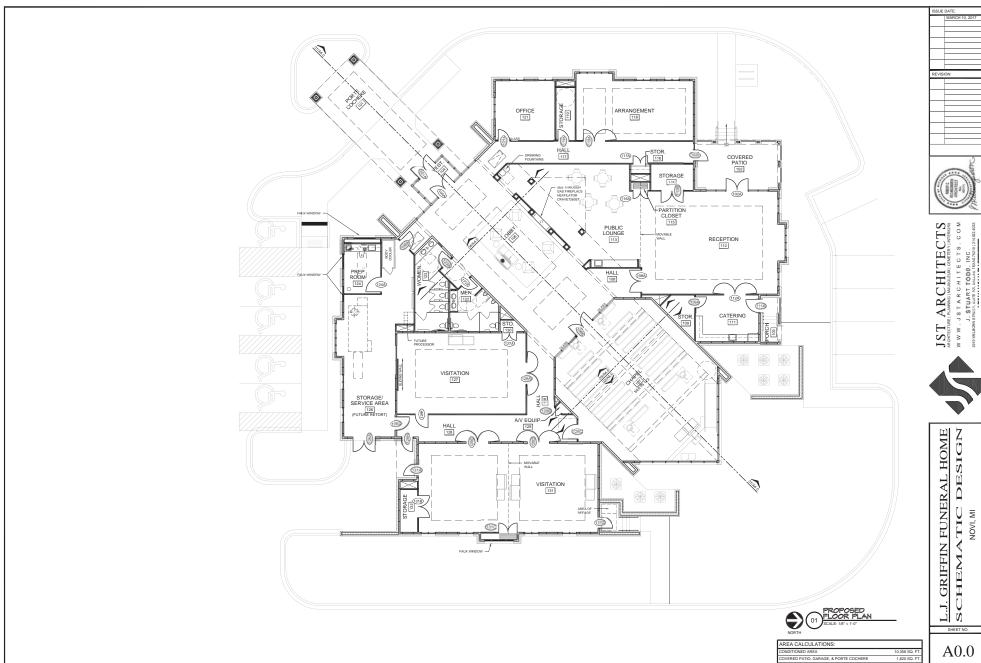
ALL LANDSCAPE AREAS WILL BE IRRIGATED WITH A FULLY AUTOMATIC IRRIGATION SYSTEM.





143 cadycentre #79 northville, mi 48167 [T] 866 355-4204

kplanningdesign.com				
	SCALE	HOR:	1"	=10



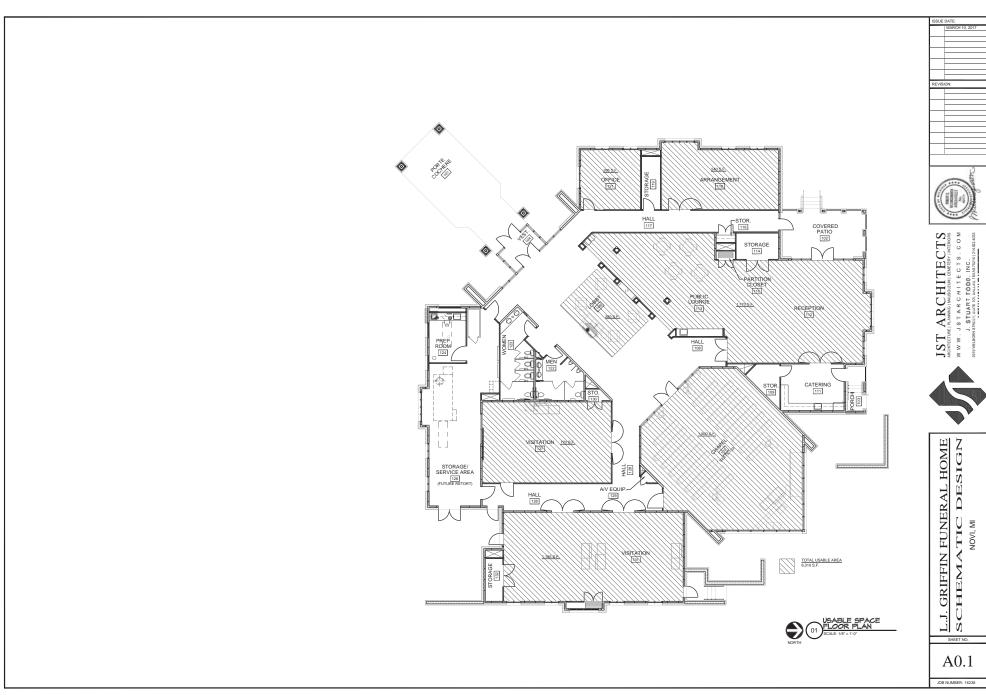


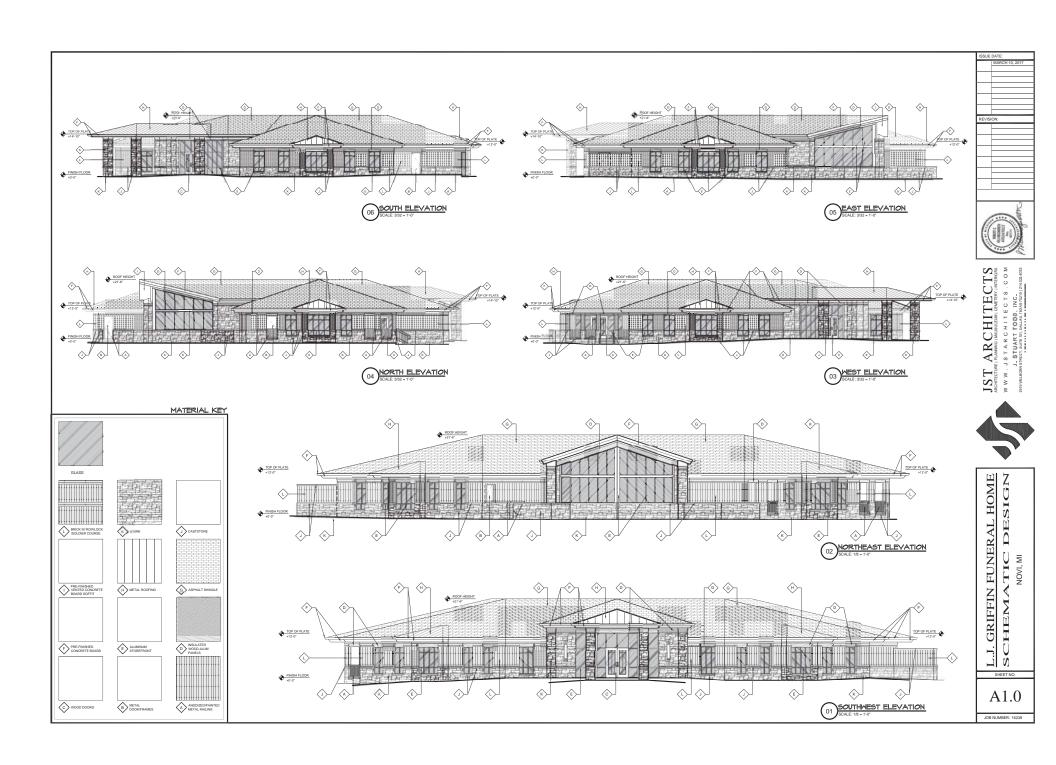


SCHEMATIC DESIGN

A0.0

JOB NUMBER: 16238





MATERIAL: BRICK (ACME - MODULAR) COLOR: CHARCOAL GREY W/BLACK GROUT USE: MASONRY WALL MATERIAL %: 45



MATERIAL: STONE (COUNTRY RUBBLE) COLOR: MADISON COUNTY USE: MASONRY WALL MATERIAL %: 55



COLOR: CHARCOAL GREY USE:FASCIA & FREIZE BOARDS MATERIAL %:NA





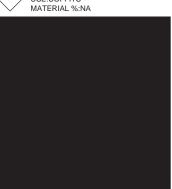
COLOR: BLACK USE:STAIR & HAND RAILING MATERIAL %:NA



USE:WATER TABLE CAP



MATERIAL:PRE-FIN. CONCRETE BD. COLOR: CHINA WHITE USE:SOFFITS MATERIAL %:NA





MATERIAL: ANODIZED/PAINTED METAL RAILING Α



ARCHITECT JST ARCHATE



GRIFFIN FUNERAL HOME DESIGN TIC NOVI, MI NOVI,

V

A2.0

JOB NUMBER: 16238



MATERIAL: METAL ROOFING

COLOR: MUSKET GREY USE:ACCENT ROOFING

Н

MATERIAL: INSULATED WOOD-ALUM PANELS COLOR: CHERRY D USE:WINDOW HEADER ACCENT MATERIAL %:NA



MATERIAL: ASPHALT SHINGLE

COLOR: ONYX BLACK USE:MAIN ROOFING

MATERIAL %:90

MATERIAL: WOOD DOORS COLOR: CHERRY USE:DECORATIVE EXT. DOORS MATERIAL %:NA



MATERIAL: PRE-FINISHED/ PAINTED METAL COLOR: CHARCOAL GREY USE: EXT. METALS DOORS/FRAMES, **GUTTERS & DOWNSPOUTS** MATERIAL %:NA





JST ARCHITECTS
AGENTATION FRANKE (MASSOLEM) CRAFTEY (NETEGOS
W W W . J ST ARCHITECTS . COM
J. STUART TODE)
ZOWWERDONS SHEET, edit 80. MACH TO EXPOSE

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L.J. GRIFFIN FUNERAL HOME ATIC NOVI, MI

V

A3.0 JOB NUMBER: 16238

VIEW UNDER CARPORT LOOKING NORTHEAST

VIEW LOOKING NORTH/NORTHEAST

VIEW LOOKING EAST/NORTHEAST



VIEW LOOKING EAST

VIEW LOOKING SOUTH/SOUTHEAST

VIEW LOOKING SOUTH/SOUTHWEST



VIEW LOOKING NORTH/NORTHEAST







VIEW LOOKING WEST/SOUTHWEST

VIEW LOOKING NORTH/NORTHWEST

VIEW LOOKING NORTH