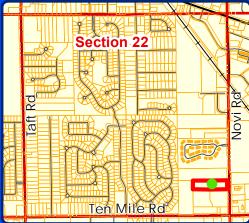


JSP24-13 QUICK PASS CAR WASH LOCATION





Legend

Subject Area



City of Novi

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

Map Author: Lindsay Bell Date: 12/5/24 Project: QUICK PASS Version #: 1

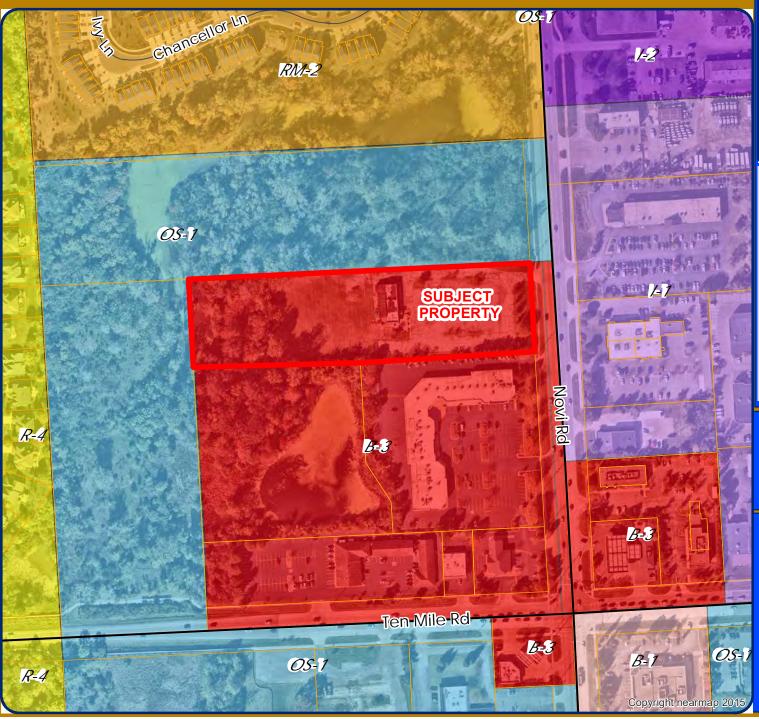
0 90 180 360 540



1 inch = 417 feet

MAP INTERPRETATION NOTICE

JSP24-13 QUICK PASS CAR WASH ZONING





Legend R-A: Residential Acreage RT: Two-Family Residential R-1: One-Family Residential District R-3: One-Family Residential District R-4: One-Family Residential District RM-2: High-Density Multiple Family B-1: Local Business District B-3: General Business District I-1: Light Industrial District I-2: General Industrial District TC: Town Center District TC-1: Town Center -1 District



Subject Area

City of Novi

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

Map Author: Lindsay Bell Date: 12/5/24 Project: QUICK PASS Version #: 1

0 55 110 220 3

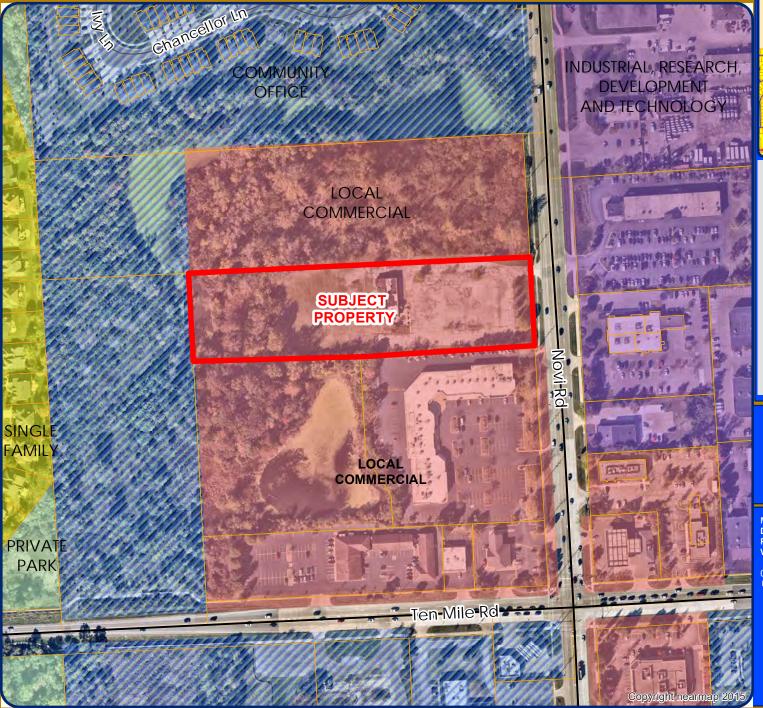


1 inch = 250 feet

MAP INTERPRETATION NOTICE

JSP24-13 QUICK PASS CAR WASH

FUTURE LAND USE









City of Novi

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

Map Author: Lindsay Bell Date: 12/5/24 Project: QUICK PASS Version #: 1

0 55 110 220 330



1 inch = 250 feet

MAP INTERPRETATION NOTICE

JSP24-13 QUICK PASS CAR WASH NATURAL FEATURES





Legend

wetlands

WOODLANDS

Subject Area



City of Novi

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

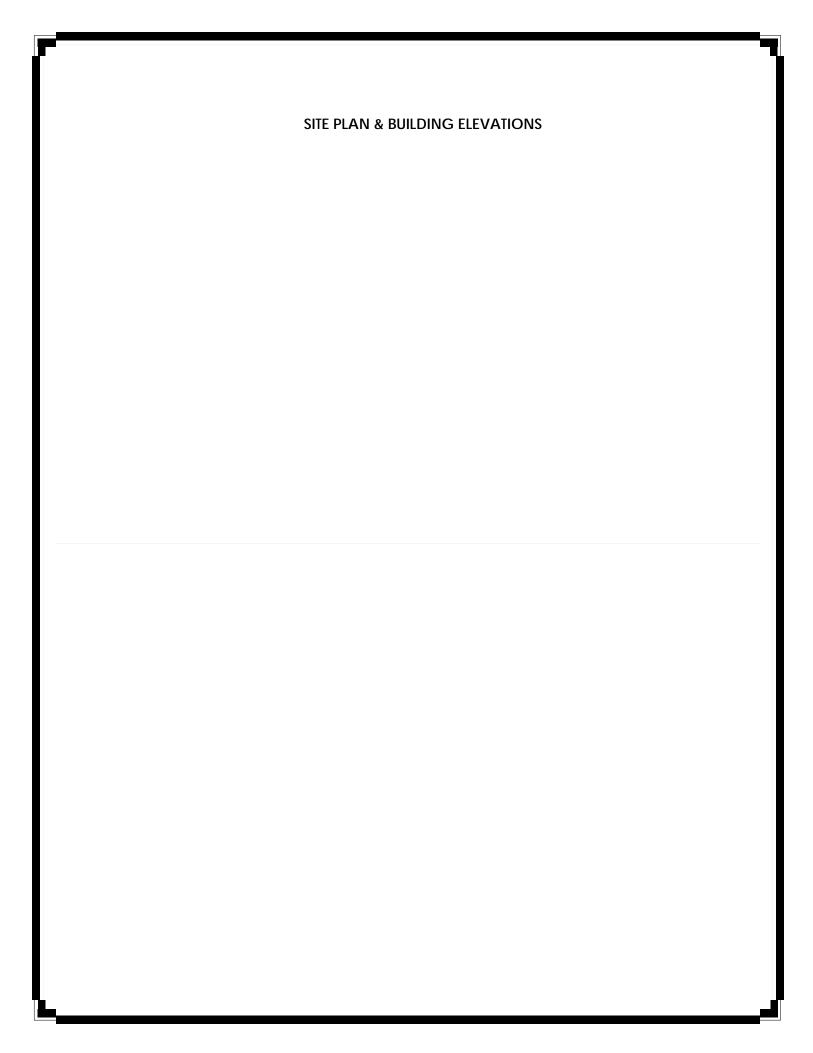
Map Author: Lindsay Bell Date: 12/5/24 Project: QUICK PASS Version #: 1

55 110 220 330



1 inch = 250 feet

MAP INTERPRETATION NOTICE



<u>PEVELOPMENT SUMMARY</u> 1. SANTARY SEWER SERVICE WILL BE PROMDED VIA CONNECTION TO AN EXISTING SANITARY SEWER SYSTEM LOCATED ALONG THE WEST SDE OF NOTI ROAD, THE NEW SEWER WILL BE LOCATED WITHIN A MINIMUM 20' WIDE EASEMENT. PRELIMINARY SITE PLAN NOVI ROAD DEVELOPMENT 4. POWER, TELEPHONE, GAS AND CABLE TELEVISION LINES SHALL BE LOCATED UNDERGROUND. 24555 NOVI ROAD 5. A 5' WIDE SIDEWALK WILL REMAIN ALONG THE NOVI ROAD FRONTAGE. CITY OF NOVI, OAKLAND COUNTY, MICHIGAN 8. NOVI ROAD IS UNDER THE JURISDICTION OF THE CITY OF NOVI AND OAKLAND COUNTY. AN OAKLAND COUNTY AND CITY OF NOVI RIGHT-OF-WAY PERMIT IS REQUIRED FOR ALL WORK WITHIN THE NOVI ROAD RIGHT-OF-WAY. 9. SEE SHEET 4 FOR NEIGHBORING PROPERTY OWNER INFORMATION. A CITY OF NOVI WETLAND PERMIT AND A EGLE PERMIT WILL BE REQUIRED FOR ALL WETLAND FILLS AND DISCHARGES TO REGULATED WETLANDS. 11. MAINTENANCE OF THE EXISTING WETLAND AREAS WILL BE THE RESPONSIBILITY OF THE OWNER. EXISTING WETLAND AREA RETENTANA AREA TITLE SHEET SITE/ DIMENSION PLAN LEGEND SHEET EXISTING CONDITIONS PLAN GRADING PLAN UTILITY PLAN PROJECT NARRATIVE: STORM WATER MANAGEMENT PLAN THE PROPOSED DEVELOPMENT INCLUDES A SINGLE TUNNEL CAR WASH CIRCULATION PLAN LANDSCAPE PLAN

IT IS UNDERSTOOD THAT A SEPARATE SITE PLAN APPROVAL WILL BE REQUIRED FOR FUTURE DEVELOPMENT.

GENERAL NOTES:

VENTURAL INVIES:

1. ALL WORKANSIP AND MATERIALS SHALL BE IN ACCORDANCE WITHE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF NOW.

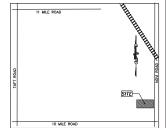
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY OF MERITY AND COTAIN ANY INFORMATION INCESSARY RECARDING THE PRESENCE OF UNDERFRONDING UNLITES WHICH MORT AFFECT THIS. JUB. 90.8. OCCURRACTOR OF THE MERITS PRICE TO GETAIN ALL REQUIRED APPROVALS AND PERMITS PRICE TO THE START OF CONSTITUTION.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE
CONTRACTOR NOTHER THE OWNER NOR THE ENGINEER SHALL BE
CONTRACTOR NOTHER THE OWNER NOR THE ENGINEER SHALL BE
OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES,
OF OF ANY OTHER PERSONS.

LEGAL DESCRIPTION:

LEGAL DESCRIPTION PER FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER 984557, COMMITMENT DATE: JANUARY 31, 2023 AT 8:00 AM.

PART OF THE EAST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 22, TOWN 1 NORTH, RANCE E LESS, MICHON, DESCRIBED AS BEGINNED AT A FORM DISTANT SOUTHERN AS DECIMINED AS BEGINNED AT A FORM DISTANT SOUTHERN AS DECIMINED AS DEC



VICINITY MAP

I ROAD WIDE, PUBLIC)

NOVI PEET W

(120



811

Know what's below Call before you dig

SHEET ۷ پ - PARCEL
TOWNSHIP: 1 N
CITY OF NOVI
OAKLAND COUNT

COVER

DATE: 11-13-2023 CHECKED BY: LW

DRAWN BY: RMS CHF: MM

ALLEN DESIGN, LLC. 557 CARPENTER NORTHVILLE, MICHIGAN 48167 PHONE (248) 467–4668 FAX (248) 349–0559 CITY OF NOVI PROJECT NO. JSP24-0013

WOODLAND PLAN LANDSCAPE NOTES

FLOOR PLAN

APPLICANT:
NOVI ROAD MANAGEMENT LLC
29433 SOUTHFIELD ROAD, STE. 200
SOUTHFIELD, MICHIGAN 48076 PHONE (248) 443-9000 SURVEYOR & ENGINEER: GREENTECH ENGINEERING, INC. GREEN IECH ENGINEERING, 51147 PONTIAC TRAIL WIXOM, MICHIGAN 48393 PHONE (248) 668-0700 FAX (248) 668-0701

LANDSCAPE ARCHITECT:

PHOTOMETRIC SITE PLAN

EXTERIOR ELEVATIONS RENDERINGS

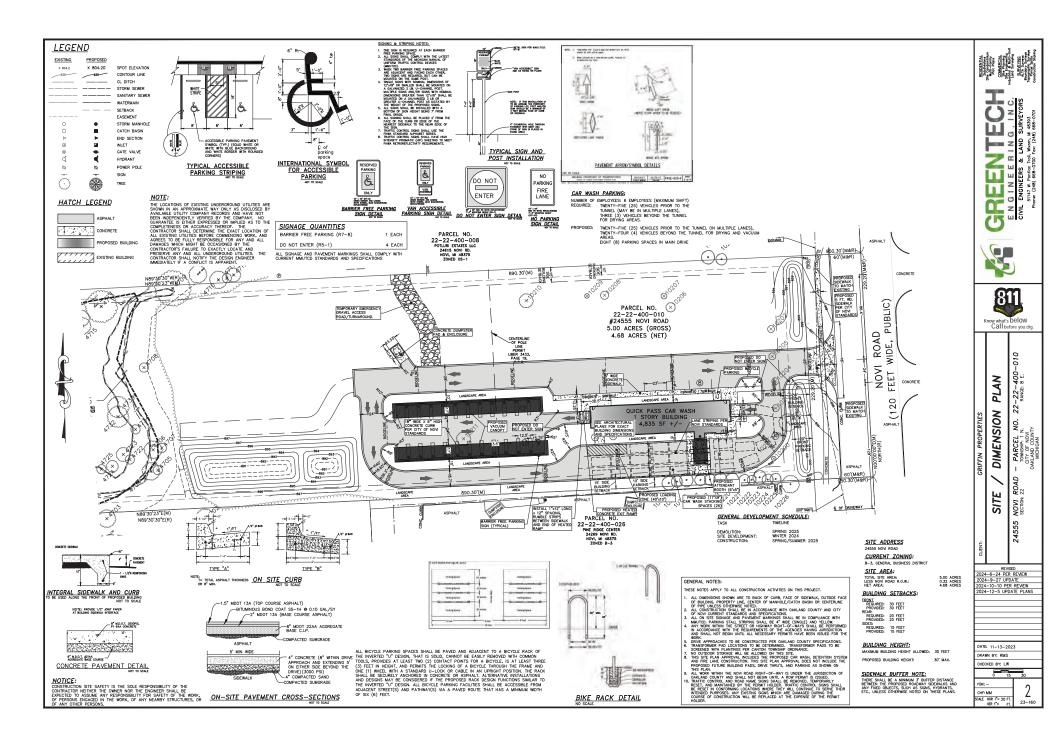
VACUUM DETAILS

L-2

1 OF 1

A100

A200











Regulated Wetlands

0

NOTE:

THE LOCATIONS OF DISSING UNDERGROUND UTILITIES ARE SHOWN IN MA PREPONDATE WAY.

AS DESCLOSED IN AVAILABLE UTILITY COMPANY REGIONS NO HAVE WITH CEEPS
INDEPENDENTLY VERIFIED BY THE COMPANY. NO QUARANTEE IS THENE PREPESSED OR
BHIELD AS TO THE COMPLETIENCES OF ACCURACY THEREOF, THE COMPANY OF SHAULA
DETERMINE THE CONFLICTIONS THAT DISSING UTILITIES SECONE COMMANDAM ROSH, AND
COCKASIONED BY THE CONTRACTOR'S TABLE TO EXACTLY LOCATE AND PRESSTRE MAY AND
ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGREE

MINEDIATELY FOR CONTRECTORS THAT OF THE DESIGN ENGREE

MINEDIATELY FOR CONTRECTOR SHALL NOTIFY THE DESIGN ENGREE

MINEDIATELY FOR CONTRECTORS THE SHAPPEN OF THE SH





SCLS. THES THE STATEMENT IS BASED ON THE RESIATS OF GRAPHIC PROTTING ONTO THE ARROY HARDS MAD PANEL WHICH IS THE CURRENT MAP FOR THE COMMUNITY IN WHICH THE PROPERTY IS LOCATED. ZONE "X" INDICATES AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOPELAN.

RESOURCES ANALYSIS:

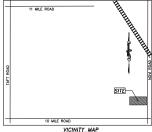
PLOOPLAN: THIS PROPERTY IS LOCATED WITHIN A FEMA DESIGNATED ZONE TO FLOOD HAZARD AREA AS SHOWN ON NATIONAL FLOOD INSURANCE PROGRAM (INP) FOR MCHIGAN FLOOD INSURANCE RATE MAP (FINAL 2021) 2000 SEPTIMENT IN DR. 20215 — CITY OF NOW, M) WITH AN EFFECTIVE DATE OF SEPTIMENT 22, 2006.

WOODLANDS: THIS SITE LES WITHIN AN AREA OF REQULATED WOODLANDS AS INDICATED ON THE CITY OF NOW REQULATED WOODLANDS MAP AND IS SUBJECT TO THE CITY OF NOW WOODLANDS ORDINANCE. SEE THE REGULATED WOODLANDS MAP ON THIS SHEET.

THAT HAVE SELECT AND THE SHEET. SHEET SHEE

CONTIDUAL FEATURES. THE SUBLICE PROCESTY HAS RED IN THE SAME PAINT FOR AT LEAST TWO DEDINATIONS WITH THE CORRECT PROCESTY OWNER HAVING USED THE PROCESTY IN HIS SAMULL OFFERATIONS. HISTORICAL ASSIAL PROTOS INDICATE HE PROCESTY WAS USED FOR STRONG LOSS AND THE PROCESTY WAS USED FOR STRONG LOSS AND THE WAST MADE AND THE PROCESTY WAS USED FOR STRONG LOSS AND THE WAST MADE A

HABITAT INVENTORY: THIS SITE DOES NOT UE WITHIN THE AREA DESIGNATED AS A MILDUFE HABITAT AREA AS INDICATED ON THE WILDLIFE HABITAT MASTER PLAN AS SHOWN ON THIS SHIFET.



EXISTING:	LEGEND	PROPOSED.
(R)	RECORDED	
(M)	MEASURED	
(P)	FOUND POST	

FIB/FCI/FIP/MON SECTION CORNER UTILITY POLE GUY WIRE MAILBOX FLAG POLE AIR CONDITIONER

SIGNAL POLE

CLEANOUT INLET CATCH BASIN END SECTION STORM MANHOLE SANITARY MANHOLE

HYDRANT GATE VALVE WATER SHUT OFF SOIL BORING

NOTE NUMBER SAN STR NUMBER

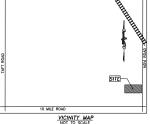
HYDRANT NUMBER

DECIDUOUS TREE

STORM SEWER WATER MAIN GAS MAIN

OVERHEAD LINES RETAINING WALL TREE LINE

CURB & GUTTER



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Know what's below Call before you dig

400-8 E.

-22-RANGE:

Š,

- PARCEL
TOWNSHIP: 1 N
CITY OF NOVI
OAKLAND COUNT

ROAD 22

NOVI SECTION:

24555

SHEET

LEGEND

GRIFFIN

COMMUNICATION /FLECTRIC

LIGHT POLE
POST
BOLLARD BOLLARD LIGHT

SIGN DOWNSPOUT

ELECTRIC MANHOLE

UTILITY CROSSING

STM STR NUMBER GATE VALVE NUMBER

ANTICIPATED DRIVEWAY LOCATION CONIFEROUS TREE

LANDSCAPE TREE SANITARY SEWER

FENCE LINE
RIGHT OF WAY
ZONING LIMITS
PROPERTY BOUNDARY

SPILLOUT CURB & GUTTER WETLAND BOUNDARY

WETLAND BOUNDAR
WETLAND BUFFER
FLOODPLAIN
FLOODWAY
EASEMENT

2024-12-5 UPDATE PLANS

DATE: 11-13-2023 DRAWN BY: RMS CHECKED BY: LW

FBK: -CHF: MM

BENCHMARKS: SITE BM #11
CITY OF NOVI BM 2332
X ON NORTH RIM OF SANITARY MANHOLE
LOCATED IN FRONT OF BUILDING #24360
NOVI ROAD, 40 FEET EAST OF CENTERLINE
OF NOVI ROAD AND 20 FEET SOUTH OF NORTH DRIVE ELEVATION: 898.89 N.A.V.D.88

SITE BM #2

X ON NORTH RIM OF GATEWELL LOCATED
IN THE SOUTHWEST QUAD OF
INTERSECTION OF NOW ROAD AND 10 MILE
ROAD, 4 FEET WEST OF BACK OF CURB
LEVATION: 901.71 (NA.V.D.8B DATUM)

CONSUMERS ENERGY 4600 COOLIDGE HIGHWAY P.O. BOX 359 ROYAL OMK, MI 48073 (248)433-5711 DTE ENERGY 3515 CHILDS LAKE ROAD MILPORD, MI. 48381 (248)496-6506

CITY OF NOVI ENGINEERING DIVISION 26300 LEE BEGOLE DR NOVI, MI 48375 (248)735-5644

UTILITY CONTACTS:

CITY OF NOW WATER AND SEWER DIVISION 26300 LEE BEGOLE DR NOVI, MI 48375 (248)735-5644

CITY OF NOW WATER AND SEWER DIVISION 26300 LEE BECOLE DR NOW, MI 48375 (248)735-5644

CONSUMERS ENERGY 11801 FARMINGTON RD. P.O. BOX 510884 LIVONIA, MI 48151-6684 (734)513-6270

AT&T (FORMERLY SBC) 54 N. MILL ST, 4TH FLOOF PONTAC, MI 48342 (248)456-8256

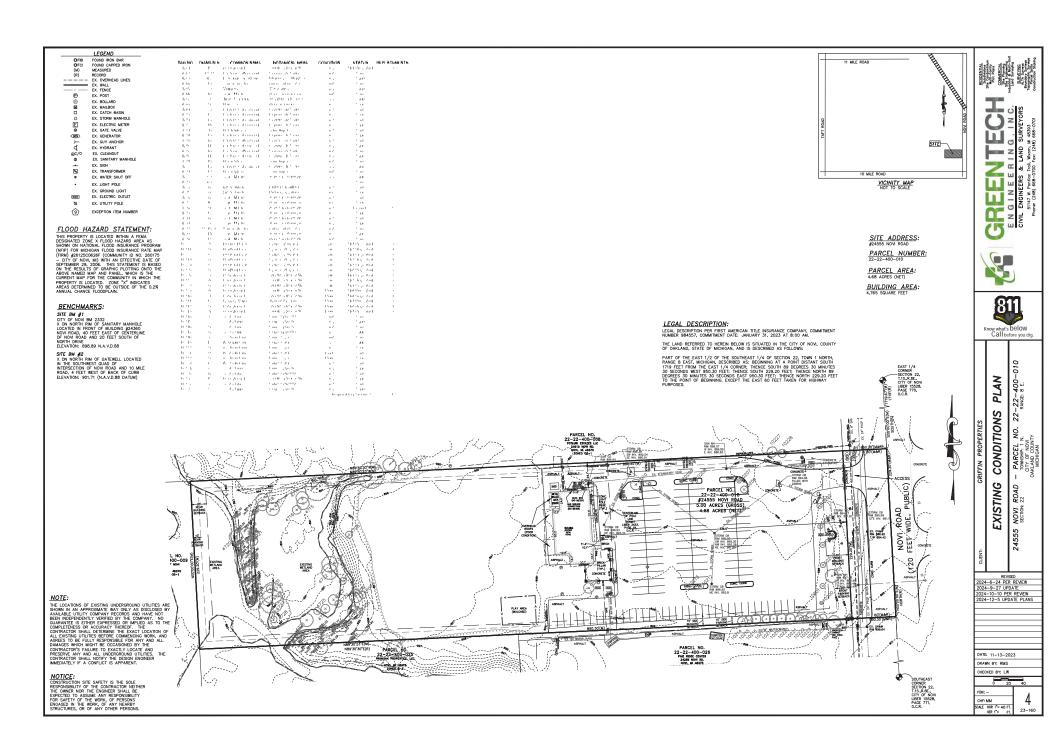
HATCH LEGEND

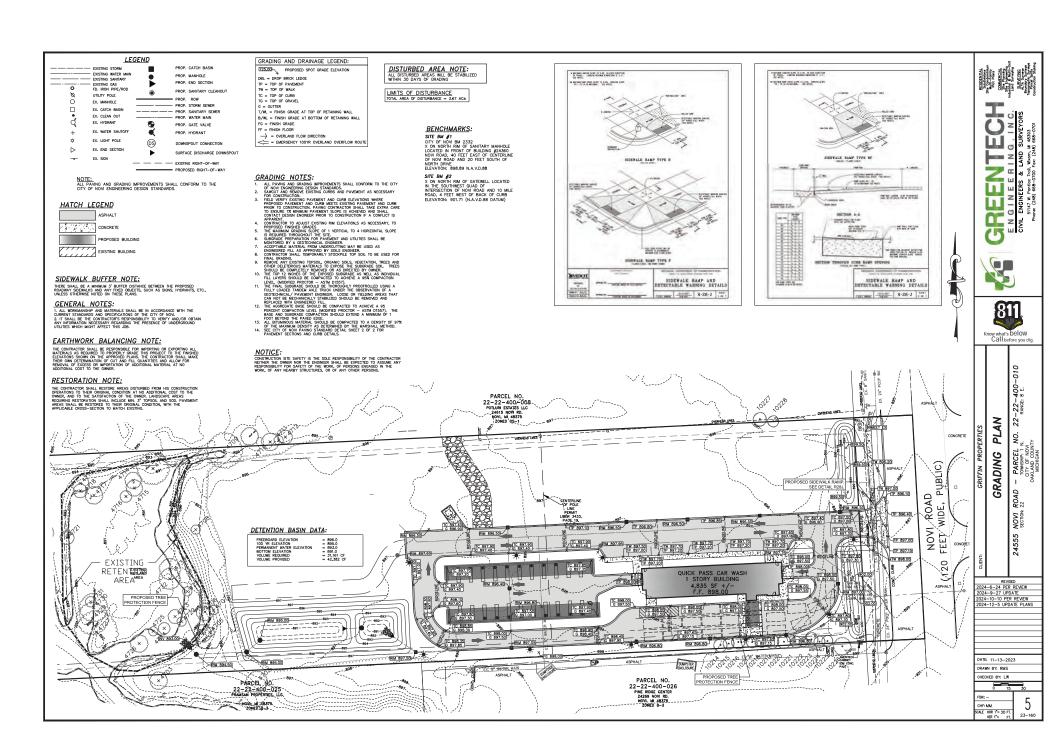
	ASPHALT
* * * * * * * * *	ASPHALT-HEAVY DU
	CONCRETE
	PROPOSED BUILDING
(/////	EXISTING BUILDING
	SIDEWALK
	SIDEWALK IN DRIVE

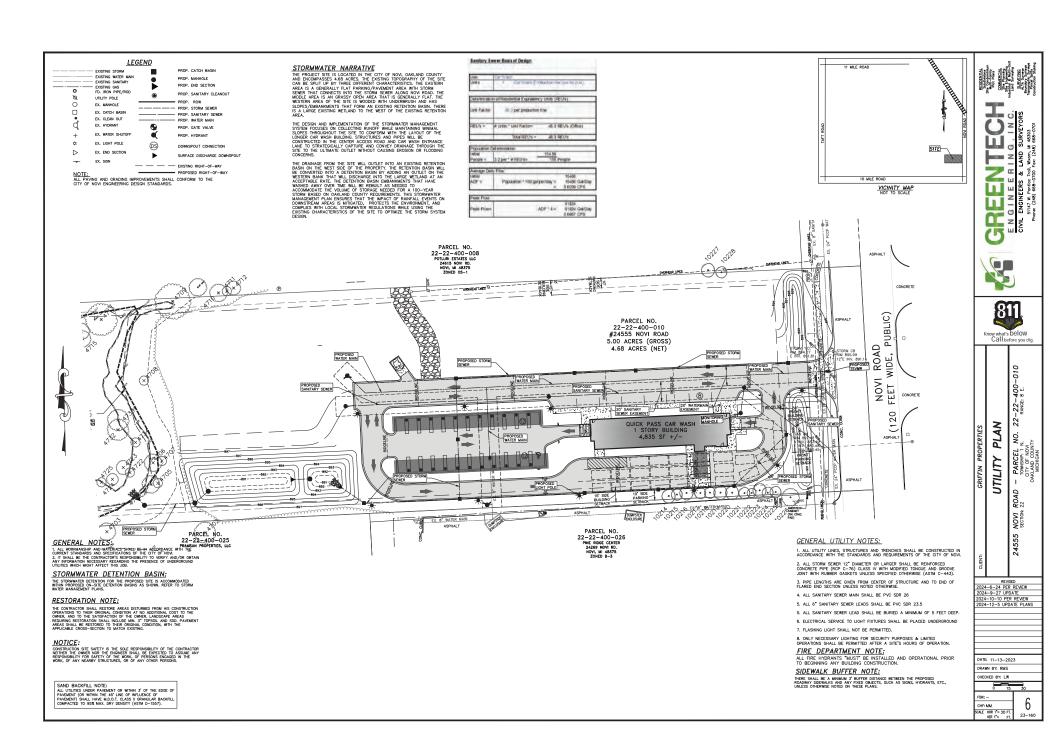
GRAVEL

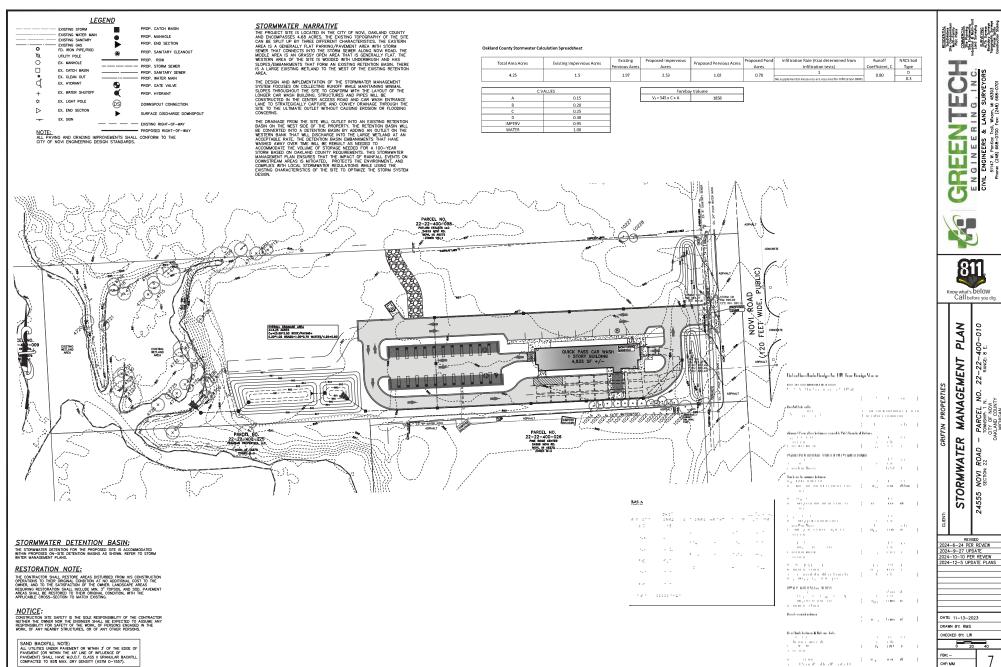
DUTY

3





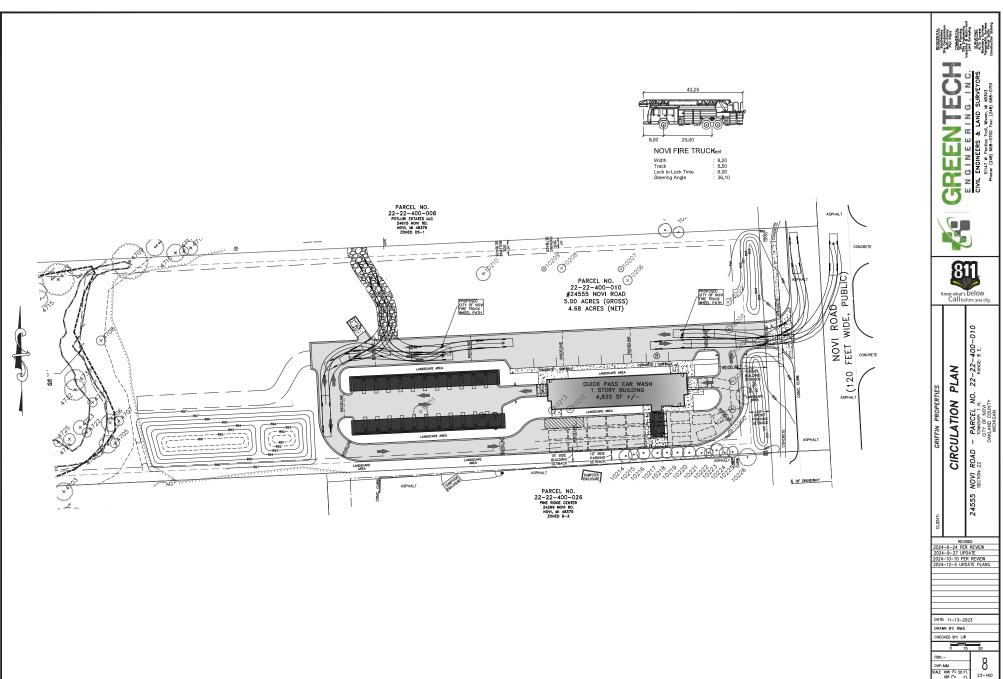


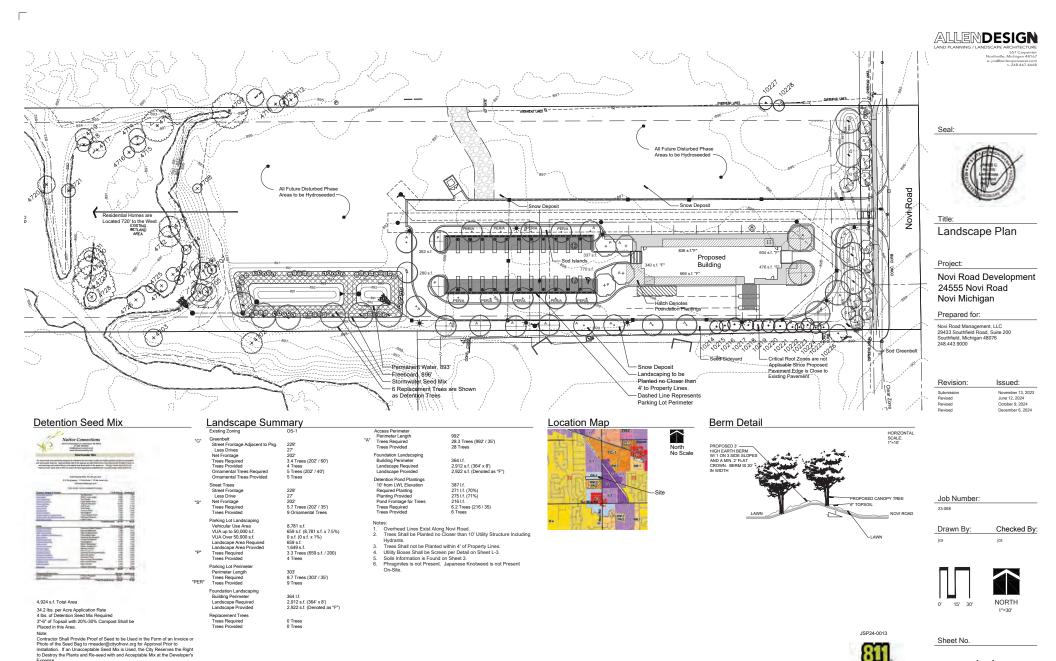


FBK: -CHF: MM

Company of

Company and a second





© 2024 Allen Design L.L.C.

L-1

- Trees 10230 - 10231 are Suveyed but not Tagged. Tree Numbers Have Been Added to the Plan Trees 4709 - 4712 are Suveyed But not Tagged. Tree Numbers Have Been Added to the Plan - Woodland Line Rer Woodland Map (8) 220) NovieRoad (8) 00k Critical Root Zone
 Tree Protection Fencing ⊗, SION (S) 100

Tree List

TAG NO.	DIAMETER	COMMON NAME	BOTANICAL NAME	CONDITION		EPLACEMENTS	TAG NO.	DIAMETER	COMMON NAME	BOTANICAL NAME	CONDITION	STATUS	REPLACEMENTS
41.1	- :	Homes mouth	Depose maserings	2.8	47 Fep. 881		4772	11 11 11	the series	. 7.0 (75%)	5-xc :	514	
41.0	-:	Espera (minusy)	Part of removal	2.8	114		±".		To Ar Victor	Specification, e	5000	F 198	
4111	4.5	European European	Enger (1111)	7.3	1.0		41,2		25 Years	:	[× :	11.0	
277,4	- 5			3.7	1:4		117.6			every report on a	4.1	300 000 0000	
4.05	8.8	7.35	76 10 10 1	2.2	145				5-777 - 78-81	561941F2	-:	S15-19-395	-
41.5	4	2.45 224	-09-09001211.TT	20.00	114		- :: ::		5 S27 2 78 81	PATER 112	4 1-	417-3-490	:
4	-	**************************************	- 1773 1773 71	2.8	338				Eart 2518	76.094.13	121	41549,840	:
2. 4	=	Et Etal	-1616-77	7.8	1.0		1003		Elaboration	Facultaien eta	121	ar Feijake.	
2004	14	Facility (Planette	Fig. 1 per North	3c x	1:4		100.03		Latte & Fee	Fire bigger and	121	Affect on	:
41.5		52/97 0.701900	Figure Services	20.00	114		- 11.38	5	*** * X .1*	Zerf Linksman		of Fagures	:
41.	=	Seren Contractor	Assume persones	-C X	1.4		- :: . :	=	Home: x1.51	Fermi exercic	19	47 5-745	
4" _	*4	Bekren (minkeet	Fig. 12 to 1979 PM	2 ×	558		* 4		HOME, 21.11	3-7-1 -9-1	1.	F-7	
4	24	Early No.	71 729	2.8	115		~		2005 Y. C.	Asset Laboratory	21.9	377 447 4575	
2**2		Sec 1 - 17,000	Fig. 5 to 1995	2.8	1.0				5000 Y C		4 ; w	3715-63-8781	
27 E	-2	Baren tim, was	7 April 2017 (1917)	5.2	116		- :: -		WAR THE	Description	71.9	415-3-495	:
4 5	-	Basham Limbhyssoc	Faculty Services	200	1.4		- 22 2		70 (0. X.3)	Zebbe Baltino	710	41 512-416	:
4	4	Bearing Contract	F000 10 09/09/090	200	3.64		- :: :	L	50.80 (0.07)	Septile 18,8 (1.0)	7.0	- 47 Feguðin	
4" :	-	Section 1 1200	Fig. 1 Services	2.8	115		100 6	-	51.71 Fire	Francisco Company	Sec. 5	5	
3. :		F 914 14	Ta min	2.4	33.5		- 11 8	-	State Fine	Final Laboration	200	544	
47.1	-2	Sales Charles	Full 1. 5e17790	3.7	116		- 11 8	-	Daze Fire	Fruit no Anthro	5-00 0	5 546	
177	-2	E 2.4 (4)	61 22	50.00	114		- :: -		State Fine	Final Number	7-pc :	5:4	
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477.6	5	****	February and the second	3.2					Summer Fire	51,1129	F; w	: 5.5	
177.6		5 4 Li	Compatible of	5. 2	110				Authorities	Franks	F1.00	514	
4.11	- 4	5 #F #36	-08/1200121 LF	200	: 5-6				Hust at Fire	7.00104	2000	53.4	
41.0		4.40 334	-16 16111411.7	2.8	114		100.00		5174 F. 4	Francisco	25.1	Same	
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47.0		5 x c:		3c.×			1007	-1	*** × .1*	7 ext 2 meaning	7-xx :	5.2	
2721		5 # 41	description	2.4	: i.e.			-	Done Fire	Francisco de como	5000	514	
							* i		Special me	20,000	3× :	1:2	
												erica gramana	
								:				9.50	

Woodland Summary

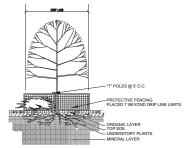
Total Trees
Less Non - Regulated Trees:
Non-Regulated Trees
Net Regulated Trees
Regulated Trees Removed 30 Trees 33 Regulated Trees 0 Trees Replacement Required
Trees 8" - 11" 0 trees x 1=
Trees 11" - 20" 0 trees x 2=
Trees 20" - 30" 0 trees x 3=
Trees 30" 0 trees x 4=
Multi-Stemmed Trees (0 Trees)
Critical Root Zone
Replacement Required 0 Trees 0 Trees 0 Trees 0 Trees 0 Trees 0 Trees

"X" Denotes Tree to be Removed

Tree Fence Installation and Removal \$990 (165 l.f. x \$6 l.f.)

Tree Protection Detail

Austrian Pines In Poor Health or



JSP24-0013

Trees 10214 - 10226 are Suveyed but not Tagged. Tree Numbers Have Been Added to the Plan



ALLENDESIGN

Seal:



Woodland Plan

Project:

Novi Road Development 24555 Novi Road Novi Michigan

Prepared for:

Novi Road Management, LLC 29433 Southfield Road, Suite 200 Southfield, Michigan 48076 248.443.9000

Revision:	Issued:
Submission	November 13, 202
Revised	June 12, 2024
Revised	October 9, 2024
Revised	December 6, 2024

Job Number:

Drawn By: Checked By:



Sheet No.

NORTH

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L-2







302 NORTHWEST RENDERING
A300 SCALE NO SCALE



301 SOUTHEAST RENDERING
A300 SCALE NO SCALE

jeffery a. scott architects p.c.

32316 grand river ave. suite 200 farmington, mi 48336 248-476-8800 JSCOTTARCHITECTBLOOM

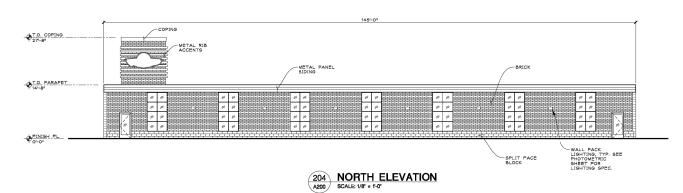
SHELL LIBES

RENDERINGS

QUICK PASS CAR WASH



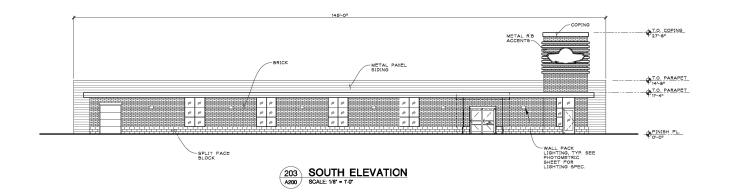
22162

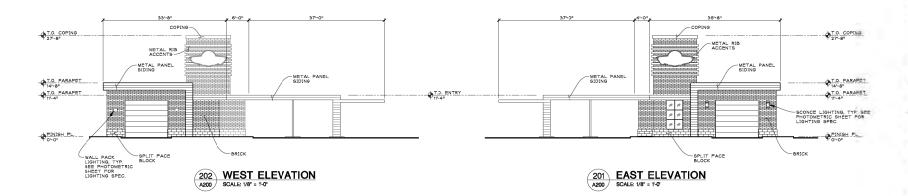


BUILDING MATERIAL	EAST	ELEVATI SOUTH	ON LOCAT	ION	TOTAL
CLAY-FIRED BRICK	55%	45%	55%	64%	54%
METAL PANEL SIDING	25.5%	40%	24%	17%	28%
SPLIT FACE BLOCK	8%	12%	8%	15%	128
METAL RIB ACCENTS	9.5%	3×	9%	3%	578
COPING	2%	0.5%	2%	0.5%	1×

MATERIAL/FINISHES SCHEDULE					
MATERIAL TYPE	MANUFACTURER	PRODUCT	COFOH		
CLAY-FIRED BRICK	BELDEN BRICK	UTILITY BRICK	DUTCH GRAY		
SPLIT-FACE BLOCK	NATIONAL BLOCK	SPLIT-FACE	BROWNING		
METAL PANEL SIDING (BLUE)	PAC-CLAD	REVEAL WALL PANELS	SW6959 BLUD CHIP		
METAL PANEL SIDING (ORANGE)	PAC-CLAD	REVEAL WALL PANELS	SWEESE INVIGORATE		
STOREFRONT	-	-	ANGDIZED		







EXTERIOR

SHEET TITLE

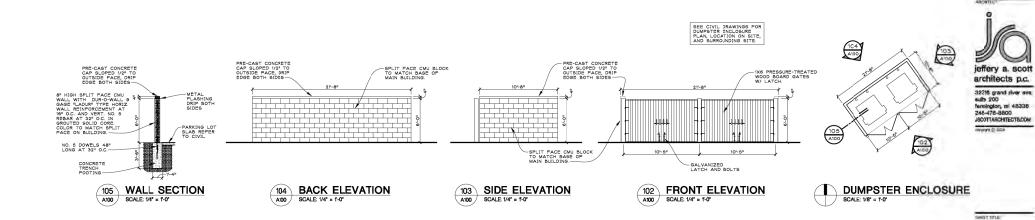
jeffery a. scott architects p.c.

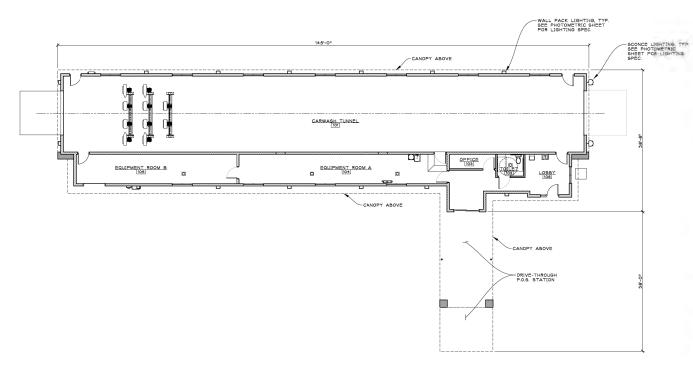
32316 grand river ave. suits 200 farmington, mi 48338 248-476-8800 JSCOTTARCHITECTB.COM

QUICK PASS CAR WASH NOVI ROAD NOVI, MI, 48375



22162







FLOOR PLAN

QUICK PASS CAR WASH

NOV!

DO NOT SCALE PRINTS USE FRANCED DIMENSIONS D 20880

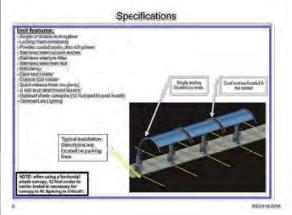
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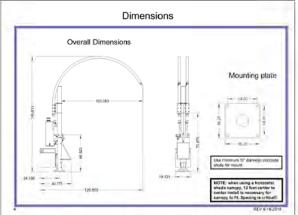
A100

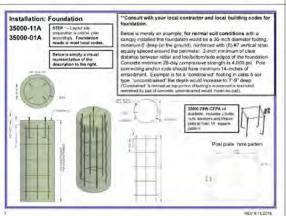
101 FLOOR PLAN
A100 SCALE: 1/8" = 1'-0"

fermington, mi 48338 248-476-8800 JSCOTTARCHITECTS.COM













ASS VACUUM DETAILS

SHEET TITLE

QUICK PASS CAR WASH NOV! ROAD NOV! M, 48375

> ISSUED FORE SPA RESUMMISSION E/14/2024 SPA RESUMMISSION 10/10/2024 SPA RESUMMISSION 01/16/2026



22162



METAL PANEL SIDING



Manufacturer: ALPOLIC Product: Reveal Wall Panels Color: Quick Pass Orange



Manufacturer: ALPOLIC Product: Reveal Wall Panels Color: Quick Pass Blue



CLAY - FIRED BRICK







Manufacturer: Belden Brick Product: Utility Brick Color: Dutch Gray Smooth

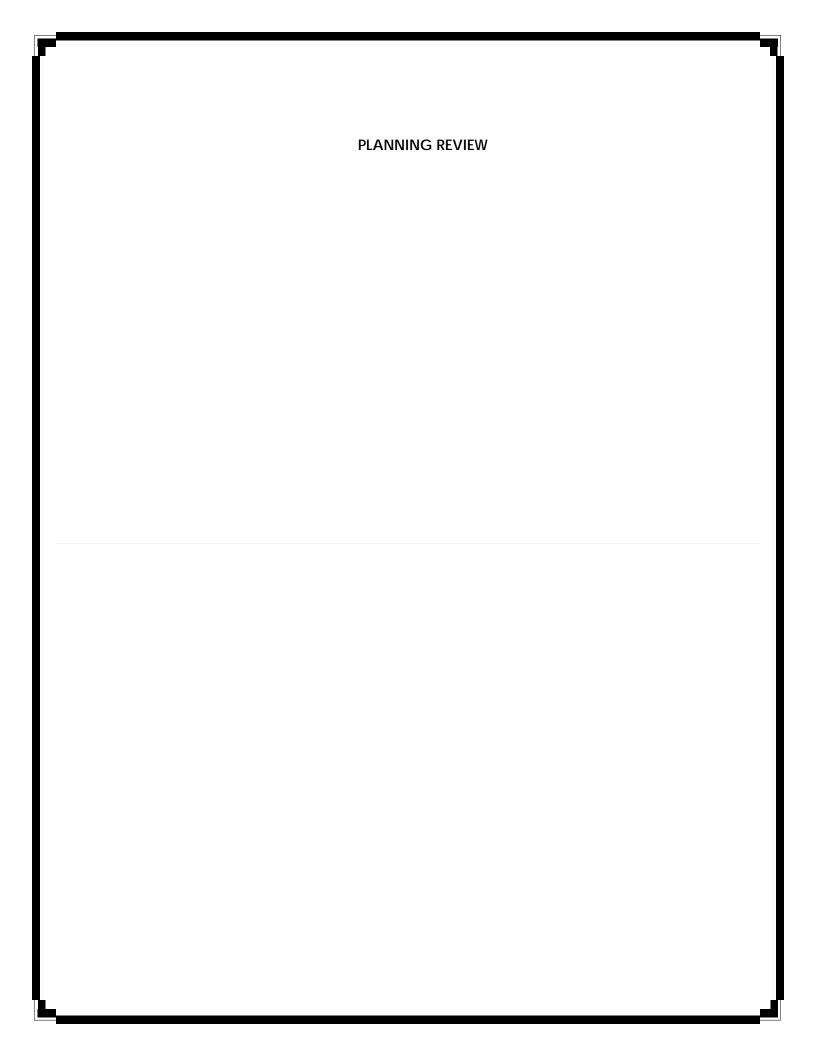
SPLIT-FACE



Manufacturer: National Block Product: SPLIT-FACE Color: Browning Brown









PLAN REVIEW CENTER REPORT

Planning Review QUICK PASS CAR WASH

JSP 24-13 November 13, 2024

PETITIONER

Novi Road Management, LLC

REVIEW TYPE

Revised Preliminary Site Plan

PROPERTY CHARACTERISTICS

Section	22				
Site Location	24555 Novi	24555 Novi Road; 22-22-400-010			
Site School	Novi Comn	nunity School District			
Site Zoning	B-3 Genera	Il Business District			
	North	OS-1: Office Service District			
Adjoining Zoning	East	I-1: Light Industrial District			
	West	OS-1: Office Service District			
	South	B-3: General Business District			
Current Site Use	Abandone	d building			
	North	Vacant			
Adjoining Uses	East	Commercial			
	West	Vacant			
	South	Retail Center			
Site Size	4.8 Acres				
Plan Date	10.10.2024				

PROJECT SUMMARY

The applicant is proposing to construct a Car Wash with Vacuum Stations and associated parking lots and drives. There is a stormwater retention pond to the west of the building shown on Sheet 5. The site plan notes sites for future development, however the applicant indicates these are not to be reviewed at this time.

RECOMMENDATION

Approval of the Preliminary Site Plan is conditionally recommended. All reviewers <u>except Facade</u> are recommending approval at this time. The applicant may choose to move forward with a public hearing before the Planning Commission, or to provide revised plans for review to address outstanding issues.

ORDINANCE REQUIREMENTS

This project was reviewed for compliance with the City of Novi Zoning Ordinance and any other applicable provisions of the ordinance, as noted. The plans show general compliance with ordinance requirements. Please address any items in **bold** with the next review.

- Wetland Boundary Verification: The wetland boundaries have not been flagged on the site. Please
 have a wetland consultant flag the wetland areas of the site. This must be completed before Final
 Site Plan approval will be granted, and must remain in place throughout the duration of the project.
 See Wetland Review letter for further details. If any further impacts to the wetlands or woodlands
 are identified at the time of Final Site Plan Review, the Site Plan may need to return to the Planning
 Commission for a public hearing and consideration of the additional impacts.
- 2. Overhead Door (Sec. 3.10.1.A): No truck well, loading dock, overhead door, or other type of service bay door shall face a major thoroughfare, nor an abutting residential district. The entrance overhead door to the car wash on the east side is facing Novi Road. This will require a variance from the Zoning Board of Appeals.
- 3. <u>Drive Thru (Sec. 5.3.11):</u> Drive-thru Lane standards are described in Section 5.3.11. The plans indicate stacking spaces 17-feet in length rather than the required 19 feet. <u>In addition, an 18-foot by-pass lane is required to allow vehicles to pass those waiting in line to enter the tunnel. No separate by-pass lane is provided. This will require a variance from the Zoning Board of Appeals.</u>
- 4. <u>Sidewalks</u>: Provide a sidewalk to connect the Right of Way sidewalk to the sidewalk around the building. **The sidewalk connection has been added**.
- 5. <u>Noise Impact Statement (Sec. 5.14.10)</u>: For the outdoor vacuum stations, a noise analysis is required to determine compliance with the Performance Standards of the Zoning Ordinance. The applicant's Architect indicates the vacuum decibels are rated 64dB measured at 30 feet. Commercial properties are closest to the vacuum units greater than 30 feet away, so the Day time and Night time sound limits are within the Performance Standards (75 dB and 70 dB, respectively).
- 6. <u>Exterior Lighting (Sec. 5.7)</u>: Photometric Plan and exterior lighting details are needed at the time of Final Site Plan Submittal and shall cover only the site area proposed Car Wash and associated improvements.
- 7. <u>Bike Parking Layout (Sec. 5.16.6):</u> Please see <u>Text Amendment 18.301</u> for updated Bike Parking layout (page 21 of the Amendment). **This must be corrected on Final Site Plan.**
- 8. <u>Property Split:</u> The applicant has stated in their response letter that no property split or other uses are proposed at this time, and should not be factored into this review. **All references to future** development should be removed from the plans to avoid any impression of approval for these areas. The stormwater pond should be added to Sheets 1 and 2.
- 9. <u>Signage:</u> For sign permit information please contact Deborah Martinez at 248-735-5671 or at <u>dmartinez@cityofnovi.org</u> in the Code Compliance Division for more information.
- 10. <u>Planning Chart:</u> Please refer to the attached Planning Chart for additional comments to address in the next submittal.

OTHER REVIEWS

a. <u>Engineering Review</u>: Engineering **recommends approval** of the revised Preliminary Site Plan and Storm Water Management Plan at this time. Please see Engineering review for additional information.

- b. <u>Landscape Review:</u> Landscape is **recommending approval** of the revised Preliminary Site Plan. Please see landscape letter for additional items to be addressed in the Final Site Plan submittal.
- c. <u>Woodland/Wetland Review:</u> Merjent is **recommending approval for Woodlands and Wetlands**. Please see Merjent's review for additional details to be addressed in the Final Site Plan submittal.
- d. <u>Traffic Review:</u> Traffic is **recommending approval**, and notes that same-side and opposite-side driveway spacing waivers are required. Please see Traffic review for additional comments to be addressed with the Final Site Plan submittal.
- e. <u>Fire Review:</u> Fire is recommending **approval with conditions** of the Preliminary Site Plan with comments to be addressed on the next submittal.
- f. <u>Façade Review:</u> Façade is **not recommending approval at this time**. A Section 9 Waiver is <u>not</u> recommended. Please see Façade review for detailed comments. A façade material board with physical samples shall be provided prior to the Planning Commission meeting.

NEXT STEP: PLANNING COMMISSION MEETING

Although not all reviewers are recommending approval or conditional approval, it is our impression that the applicant wishes to proceed to Planning Commission with the waivers requested. This project will be scheduled for Preliminary Site Plan, Woodland Permit, Wetland Permit and Stormwater Management Plan public hearing and review on **December 11, 2024**. Please provide the following <u>not later than December 4th:</u>

- 1. Site Plan submittal in PDF format please remove all references to future development as mentioned above, and include the Stormwater Pond on Sheets 1 and 2.
- 2. A response letter addressing ALL the comments from ALL the review letters and <u>a request for waivers/variances as you see fit.</u>
- 3. Façade Sample Board

NEXT STEP: ZONING BOARD OF APPEALS

Any variances shall be requested from the Zoning Board of Appeals prior to the submittal of the Final Site Plan. Please submit this <u>application</u> to Community Development Account Clerks to go before the Zoning Board of Appeals. The deadline for Zoning Board of Appeals applications is typically the first of the month for the following month's meeting.

FUTURE STEP: FINAL SITE PLAN SUBMITTAL

After receiving Planning Commission's approval of the Preliminary Site Plan, please submit the following for review:

- 1. **Six** copies of Final Site Plan sets (<u>24" x 36", folded</u>) addressing ALL comments from Preliminary Site Plan Review.
- 2. Response letter addressing ALL comments from ALL review letters and refer to sheet numbers where the change is reflected.
- 3. Final Site Plan Application
- 4. Final Site Plan Checklist
- 5. No Revision Façade Affidavit (only if no façade changes have been made)
- 6. An itemized engineering cost estimate including sanitary sewer, watermain, storm sewer, paving and grading costs, size 8.5" x 11" (The cost estimate should not include soil erosion or demolition costs.)
- 7. An itemized landscaping cost estimate including greenbelt and greenbelt ornamental trees, perennials, pond plantings, shrubs, edging, mulch, seed mix and seeded lawn, size 8.5" x 11" (The cost estimate should not include woodland trees, replacement trees or mitigation.)
- 8. An Other Agencies Checklist

After receiving Final Site Plan approval, plans addressing the comments in all the staff and consultant review letters should be submitted electronically for informal review and approval prior to printing Stamping Sets. A letter from either the applicant or the applicant's representative addressing comments in this and other review letters and associated charts is to be submitted with the electronic stamping set. This letter should address all comments in ALL letters and ALL charts and refer to sheet numbers where the change is reflected.

If required, drafts for all legal documents with a legal transmittal are to be submitted along with stamping sets.

STAMPING SET APPROVAL

Stamping sets will be required for this project. After having received all the review letters from City staff the applicant should make the appropriate changes on the plans and submit 10 size 24" x 36" copies, folded, with signature and seal to the Community Development Department for final Stamping Set approval.

PRE-CONSTRUCTION MEETING

A **Pre-Construction meeting will be 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, so it is suggested you contact Sarah Marchioni (248-347-0430 or smarchioni@cityofnovi.org) once the Final Site Plan has been approved to begin the Pre-Con checklist. If you have questions regarding the checklist or the Pre-Con itself, please contact Sarah.

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 at 248-347-0430 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 248-347-0484 or lbell@cityofnovi.org.

Lindsay Bell, AICP - Senior Planner



PLANNING REVIEW CHART: B-3 General Business District

Review Date: November 7, 2024

Review Type: Revised Preliminary Site Plan Review Project Name: JSP24-13: Quick Pass Car Wash

Plan Date: October 10, 2024
Prepared by: Lindsay Bell, AICP

Contact: E-mail: lbell@cityofnovi.org Phone: (248) 347.0484

Items in **Bold** need to be addressed prior to the approval of the Preliminary Site Plan.

Item	Required Code	Proposed	Meets Code	Comments
Zoning and Use Red	quirements			
Master Plan	Local Commercial	Local commercial	Yes	
Zoning (Effective Dec. 25, 2013)	B-3: General Business District	No changes	Yes	
Uses Permitted (Sec 3.1.11.B & C)	Sec 3.1.12.B Principal Uses Permitted.	Auto wash	Yes	A Plan for future developments that includes 3 future building sites. Please remove any features or indications of future parcels or buildings if they are not to be reviewed. See Planning Review for detailed comments.
Auto wash (Sec 4.32)	Permitted use in B-3 when completely enclosed in a building	Appears to be completely within building Outdoor vacuum stations accessory	Yes	
B-3 Business District	Required Conditions (Sec. 3	3.10)	•	
Truck Well (Sec. 3.10.1.A)	No truck well, loading dock, overhead door or other type of service bay door shall face a major thoroughfare, nor an abutting residential district	Entrance to car wash on the eastside is facing Novi Road	No	Overhead door will require a variance from the ZBA
Height, bulk, densit	y, and area limitations (Sec	3.1.12)		
Frontage on a Public Street. (Sec. 5.12)	Frontage on a Public Street is required	Fronts on Novi Road	Yes	2 of the proposed parcels do not have frontage on a public street, so cannot be created - if these are not to be reviewed at this time, they should be removed from the plan to avoid

Item	Required Code	Proposed	Meets Code	Comments	
				any impression that these future parcels have been granted approval	
Access to Major Thoroughfare (Sec. 5.13)	Direct access to Major Thoroughfare is required unless noted in Section 5.13	Access to Novi Road Only one point of access for emergency vehicles	Yes		
Building Height (Sec. 3.1.12.D)	30 ft	27 ft, 8 in	Yes		
Building Setbacks (Sec 3.1.12.D)				
Front (Novi Road)	30 ft.	82 ft	Yes	On sheet 2 – please list the	
Side (north)	15 ft.	35 ft	Yes	actual building setbacks proposed for the car wash	
Side (south)	15 ft.	47 ft	Yes	building, and show the	
Rear (West)	20 ft.	Over 240 ft	Yes	dimension on the plan	
Parking Setback (S	ec 3.1.12.D)				
Front (Novi Road)	20 ft.	30 ft	Yes	Drive thru stacking space shall observe parking setback per Sec. 5.3.11	
Side (north)	10 ft.	10 ft	Yes		
Side (south)	10 ft.	10 ft	Yes	Show parking setback dimensions on the plan	
Rear (west)	10 ft.	40 ft	Yes	·	
Note To District Star	ndards (Sec 3.6.2)				
Exterior Side Yard Abutting a Street (Sec 3.6.2.C)	All exterior side yards and rear yards abutting a street shall be provided with a setback equal to the front yard setback requirement of the district in which located.	NA	NA		
Minimum Lot Area (Sec. 3.6.2.D)	The minimum lot area and width, and the maximum percent of lot coverage shall be determined on the basis of off-street parking, loading, greenbelt screening, yard setback or usable open space requirements	4.8 acres	Yes		
Off-Street Parking in Front Yard (Sec 3.6.2.E)	Off-street parking shall be permitted in the front yard, except that said parking shall observe the	Parallel parking proposed north of auto wash building, additional parking	Yes		

Item	Required Code	Proposed	Meets Code	Comments
	minimum off-street parking setback requirements in Sec. 3.1 and 5.5.3	provided at vacuum canopies		
Wetland/ Watercourse Setback (Sec 3.6.2.M)	Refer to Sec 3.6.2 for more details.	Wetlands present on site	TBD	See Wetland Review
Parking setback screening (Sec 3.6.2.P)	Required parking setback area shall be landscaped per sec 5.5.3.	3' berm facing Novi road	Yes	See Landscape Review
Modification of parking setback requirements (Sec 3.6.2.Q)	Refer to Sec 3.6.2 for more details		NA	
Parking, Loading, a	nd Dumpster Requirements			
Autowash (automatic) (5.2.12.C.)	Two + one for each employee + one for each vacuum station or similar area	Calculation: 2 + 6 employees: 8 spaces 8 parallel spaces proposed north of building One for each vacuum station: 23 vacuum stations + 1 ADA space 32 spaces proposed including 1 ADA space	Yes	
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" curb at these locations and along landscaping 45° Parking: 9 ft. x 18 ft. with 15 ft. one-way drive aisle 	Complies	Yes	See Traffic Review
Emergency Access	The minimum width of a posted fire lane is 20 feet. The minimum height of a posted fire lane is 14 feet.	Complies	Yes	

Item	Required Code	Proposed	Meets Code	Comments
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	
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 	Adjacent to travel way	Yes	See Landscape Review See Traffic Review
Barrier Free Spaces Barrier Free Code (2012 Michigan Building Code)	1 to 25 total parking spaces1 van accessible	One barrier free space shown at east end of vacuum stations	Yes	See Traffic Review
Barrier Free Space Dimensions Barrier Free Code (2012 Michigan Building Code)	 8' wide with an 8' wide access aisle for van accessible spaces 8' wide with a 5' wide access aisle for regular accessible spaces 	15.75' x 17' – no aisle	No	See Traffic Review
Barrier Free Signs Barrier Free Code	One sign for each accessible parking space.	Proposed on sheet 2	Yes	
Minimum number of Bicycle Parking (Sec. 5.16.1)	Two spaces	4 spaces proposed at northeast corner of building	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 	Complies	Yes	

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 			
Bicycle Parking Lot layout (Sec 5.16.6)	Parking space width: 7 ft. One tier width: 11 ft. Two tier width: 18 ft. Maneuvering lane width: 4 ft. Parking space depth: 2 ½ ft.	Included, old layout shown	No	See Text Amendment 18.301 for new layout standards as listed to the left
Loading Spaces (Sec. 5.4.2)	 Loading, unloading space shall be provided in the rear yard at a ratio of 10 sq. ft. for each front foot of building Except in the case of a double frontage lot, loading-unloading, as well as trash receptacles may be located in an interior side yard beyond the minimum side yard setback requirement of the district; location subject to approval by the City. 	Loading zone proposed south of auto wash building	Yes	
Dumpster (Sec 4.19.2.F)	 Located in rear yard or interior side yard in case of double frontage 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 	 - In rear yard - Not closer than 10 feet to building -Away from Barrier free spaces 	Yes	
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 	Details are provided: masonry wall with stone caps to match the building	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	three sides - Posts or bumpers to protect the screening - Hard surface pad Screening Materials: Masonry, wood or evergreen shrubbery			
Outdoor Vacuums	Provide specifications for the vacuums (dimensions, color scheme, etc.)	Details & dimensions on sheet A500	No	Please see Façade Review – color needed
Vacuum Enclosure	Must meet the same standards as the dumpster enclosure.	Details & dimensions on sheet A500	TBD	Please see Façade Review
Drive-through Lanes (Sec. 5.3.11.A & C.)	Lanes shall be separate from the circulation routes and lanes necessary for ingress and egress, and not block access to parking	Separate lanes proposed with stacking	Yes	
Drive-through Lanes, Setback (Sec. 5.3.11.B)	Lanes and stacking spaces shall observe minimum parking setback of the district	10 ft	Yes	
Drive-through Lanes, Bypass (Sec. 5.3.11.D)	Provide one by-pass lane to allow unobstructed travel for vehicles to pass those waiting to be served, min. of 18-feet in width	Not shown	No	There is no by-pass lane to allow vehicles to pass those waiting to enter the car wash tunnel - ZBA variance required
Width & Centerline Radius of Drive- through Lanes (Sec. 5.3.11.E,F,H)	Drive-through lanes shall have a minimum 9 ft. width, centerline radius of 25 ft. and a minimum length of 19 ft.	Centerline radius dimensioned on sheet 2 Stacking vehicles shown as 19 ft	Yes Yes	See Traffic Review Letter Dimension a space as 19'
Drive-through Lane Delineated (Sec. 5.3.11.G)	Drive-through lanes shall be striped, marked, or otherwise delineated	Arrows indicated Marking of lanes indicated	Yes	

Item	Required Code	Proposed	Meets Code	Comments
Drive-Thru Stacking Spaces (Sec. 5.3.11.1)	Twenty-five (25) vehicles prior to the tunnel (may be in multiple lanes), three (3) vehicles beyond the tunnel for drying areas.	Shown 25+	Yes	
Lighting and Other	Equipment Requirements			
Exterior lighting (Sec. 5.7)	Photometric plan and exterior lighting details needed at time of Final Site Plan submittal	Photometric plan included	No	Please include this in the FSP submittal – revise to include only car wash site as future development areas are not being reviewed with this project.
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	None indicated	NA	See Façade review
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	No rooftop equipment planned	NA	
Noise Specifications (Sec. 5.14.10.A)	Site proposals must comply with the standards of the noise ordinance.	Architect's response letter includes noise statement	Yes	
Sidewalk Requirem	ents		'	
Sidewalks (Sec. 7.4.2 of the Engineering Design Manual)	- 5-foot sidewalk required along Novi Road	Sidewalk proposed on Novi Road – 5' to match existing 5-foot sidewalk included along exit and entrances for car wash	Yes	See Engineering Review
Pedestrian Connectivity	Whether the traffic circulation features within the site and location of automobile parking areas are designed to assure safety and convenience of both vehicular and	sidewalk connecting the building to the ROW sidewalk	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	pedestrian traffic both within the site and in relation to access streets			
Building Code and	Other Design Standard Requ	uirements		
Design and Construction Standards Manual	Land description, Sidwell number (metes and bounds for acreage parcel, lot number(s), Liber, and page for subdivisions).	Included	Yes	
General layout and dimension of proposed physical improvements	Location of all existing and proposed buildings, proposed building heights, building layouts, (floor area in sq. ft.), location of proposed parking and parking layout, streets, and drives, and indicate sq. ft. of pavement area (indicate public or private)	Included	Yes	
Economic Impact	 Total cost of the proposed building & site improvements Number of anticipated jobs created (during construction & after building is occupied) 	See applicant's response letter	Yes	
Other Permits and A	Approvals			
Development/ Business Sign	Signage if proposed requires a permit.			
Development and Street Names	Development and street names must be approved by the Street Naming Committee before Preliminary Site Plan approval	NA	NA	
Property Split	The proposed property split must be submitted to the Assessing Department for approval.		NA	The applicant stated that the property is not to be divided at this time
Other Legal Requirements				
Conservation Easements	Conservation easements may be required for woodland impacts	Woodlands and wetlands present on site	TBD	See Wetland and Woodland Review

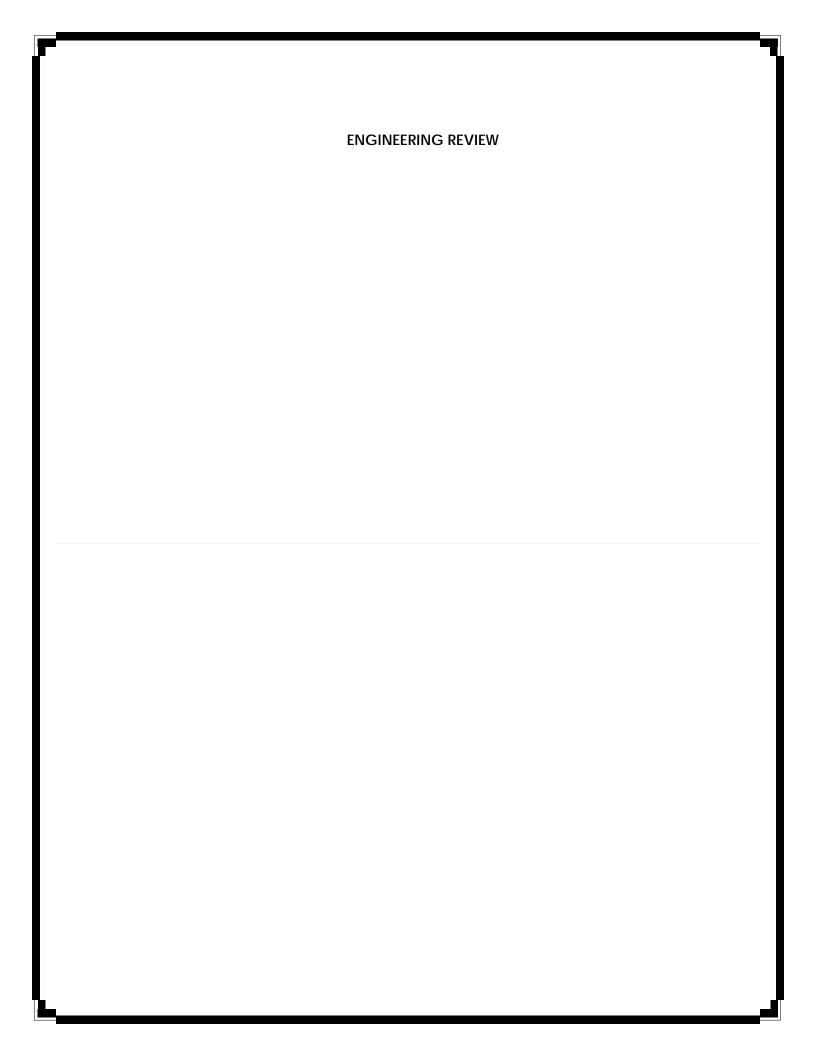
Item	Required Code	Proposed	Meets Code	Comments
Lighting and Photo	metric Plan (Sec. 5.7)			
Intent (Sec. 5.7.1)	Establish appropriate minimum levels, prevent unnecessary glare, reduce spillover onto adjacent properties & reduce unnecessary transmission of light into the night sky	Plan included	TBD	Please revise for FSP submittal – include only car wash site as future development areas are not being reviewed with this project.
Lighting Plan (Sec. 5.7.A.1)	Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas & exterior lighting fixtures	Plan included	TBD	
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.		Yes	Revise to show car wash site only
Lighting Plan (Sec.5.7.2A.ii)	Specifications for all proposed & existing lighting fixtures	Included	Yes	
	Photometric data	Provided	Yes	Revise to show car wash site only
	Fixture height	Provided	Yes	
	Mounting & design	Provided	Yes	
	Glare control devices	Provided	Yes	
	Type & color rendition of lamps	Provided	Yes	
	Hours of operation	Provided	Yes	
	Photometric plan illustrating all light sources that impact the subject site, including spill-over information from neighboring properties		Yes	Revise to show car wash site only

Item	Required Code	Proposed	Meets Code	Comments
Maximum height when abutting residential districts (Sec. 5.7.3.A)	Height not to exceed maximum height of zoning district (or 25 ft. where adjacent to residential districts or uses)	Provided – 25 feet shown	Yes	
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 		TBD	Please include these notes on photometric sheet in FSP submittal
Security Lighting (Sec. 5.7.3.1) Lighting for security purposes shall be directed only onto the area to be secured.	 All fixtures shall be located, shielded, and aimed at the areas to be secured. Fixtures mounted on the building and designed to illuminate the facade are preferred 		TBD	Please indicate whether there will be any security lighting in FSP
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; not exceed 4:1	2.6:1 shown	Yes	
Color Spectrum Management (Sec. 5.7.3.F)	For all permanent lighting installations - minimum Color Rendering Index of 70 and Correlated Color Temperature of no greater than 3000 Kelvin	3000K shown 70-80 CRI shown	Yes	
Indoor Lighting (Sec. 5.7.3.H)	Indoor lighting shall not be the source of exterior glare or spillover		TBD	Include a note on the plans
Min. Illumination (Sec. 5.7.3.L)	Parking areas: 0.2 min	0.7 fc	Yes	
	Loading & unloading areas: 0.4 min	2.0 fc	Yes	
	Walkways: 0.2 min			
	Building entrances, frequent use: 1.0 min	2.7 fc	Yes	
	Building entrances, infrequent use: 0.2 min		Yes	

Item	Required Code	Proposed	Meets Code	Comments
Max. Illumination adjacent to Non- Residential (Sec. 5.7.3.L)	When site abuts a non- residential district, maximum illumination at the property line shall not exceed 1 foot candle	Appears to comply	Yes	
Max. Illumination adjacent to Residential (Sec. 5.7.3.M)	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		NA	

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

11/13/2024

Engineering Review

Quick Pass Car Wash JSP24-0013

APPLICANT

Novi Road Management

REVIEW TYPE

Preliminary Site Plan

PROPERTY CHARACTERISTICS

Site Location: On the West side of Novi Road, North of 10 Mile Rd.

50-22-22-400-010

Site Size: 4.80 acresPlan Date: 11/08/2024

Design Engineer: GreenTech Engineering, INC.

PROJECT SUMMARY

- Demolition of an existing Building and construction of an approximately 4,835 square-foot car wash building and associated parking. Site access would be provided via Novi Road.
- Water service would be provided by an extension from the existing 24-Inch water main on the west side of Novi Road through the proposed development and the existing 8-inch water main inside the property. The proposed water main will serve two additional hydrants.
- Sanitary sewer would be provided by an extension from the existing 8-inch sanitary sewer on the west side of Novi Road.
- Storm water would be collected by a single storm sewer collection system and conveyed to detention system and then to the existing wetland. Note that additional detention will be required if the remaining area on-site is to be developed in future projects.

RECOMMENDATION

Approval of the Revised Preliminary Site Plan is recommended, with items to be addressed at Final Site Plan submittal.

Comments:

The Revised Preliminary Site Plan meets the general requirements of the design and construction standards as set forth in <u>Chapter 11 of the City of Novi Code of Ordinances</u>, the Storm Water Management Ordinance and the <u>Engineering Design Manual</u> with the following items to be addressed at the time of Final Site Plan submittal:

General

- 1. Only at the time of the printed Stamping Set submittal, provide the City's standard detail sheets for water main (5 sheets), sanitary sewer (3 sheets), storm sewer (2 sheets), and paving (2 sheets). The most updated details can be found on the City's website under Engineering Standards and Construction Details.
- 2. A <u>Right-of-Way Permit</u> will be required from Oakland County.
- 3. The Provided sight distance measurements for the Novi Road entrance are cut off on sheet 2. Please revise this sheet in accordance with Figure VIII-E of the Design and Construction Standards, Chapter 11 of the City of Novi Code of Ordinances.
- 4. A same-side driveway spacing **Waiver**, granted by the Planning Commission, has been requested for this project and the Engineering Division supports this waiver request.
- 5. The response letter says that a traffic control plan for the proposed road work activity was provided, but I don't currently see those in the plan set that we received. Please ensure that it is added in the next submittal.
- 6. The response letter says that a construction materials table was provided, but I don't currently see those in the plan set that we received. Please ensure that it is added in the next submittal.
- 7. Provide a utility crossing table indicating that at least 18-inch vertical clearance will be provided, or that additional bedding measures will be utilized at points of conflict where adequate clearance cannot be maintained. Response letter mentions this will be provided at time of final site plan submittal.
- 8. The response letter says that a note about dewatering was provided, but I don't currently see those in the plan set that we received. Please ensure that it is added in the next submittal.
- 9. Please revise the tree protection fence near the existing retention area to make it clearer where the critical root zones are and that no grading is occurring within the dripline. If the critical root zone is not fully protected, then replacements for that tree may be required.
- 10. According to the SWMP sheet, the area of the parcel that drains to the basin is 4.25 acres, whereas the "Site Area" calculations on sheet 2 show 4.68 acres. Please show more detailed drainage areas to show where this discrepancy is from.
- 11. Include a demolition sheet with the final site plan showing which of the existing utilities will be demoed and which will remain undisturbed.

Water Main

- 12. Generally, the distribution system in all developments requiring more than eight hundred (800) feet of water main shall have a minimum of two (2) connections to a source of supply and shall be a looped system.
- 13. Provide water main modeling calculations demonstrating that the required water supply of 4,000 GPM will be available in future submittals.
- 14. Per current EGLE requirement, provide a profile for all proposed water main 8-inch and larger at final stamping set submittal.
- 15. All gate valves 6" or larger shall be placed in a well with the exception of a hydrant shut off valve and will be shown in future submittals. A valve shall be placed in a box for water main smaller than 6".
- 16. The response letter says that a note about the straight 20-foot pipe length of water main used whenever storm sewer or sanitary sewer is crossed was provided, but I don't currently see those in the plan set that we received. Please ensure that it is added in the next submittal.
- 17. A sealed set of utility plans along with the <u>Michigan Department of Environment, Great Lakes & Energy (EGLE) permit application</u> for water main construction, the <u>Streamlined Water Main Permit Checklist</u>, <u>Contaminated Site Evaluation Checklist</u>, <u>Basis of Design</u>, and an electronic version of the utility plan 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.

Irrigation Comments

- 18. Include irrigation letter and containment letter with future submittals, including containment notes on irrigation sheets.
- 19. For common area irrigation systems connected to <u>public water supplies</u>: Install a backflow prevention Reduced Pressure Zone Assembly (RPZ) with an ASSE 1013 listing approval at each tap to the public water supply. A minimum clearance of 12-inches measured from the bottom of pressure relief valve to the finished landscaped grade shall be required. Provide a detail showing the RPZ installation setup and height above grade. If backflow preventer is to be enclosed, provide a detail of the enclosure with required drainage outlets. Show all locations on a site plan. A plumbing permit is required for the installation of the backflow preventer. Installation of the backflow preventer shall be in such a manner as to not require blowing out the system through the backflow preventer. Drain ports and blow out ports shall be included. Any deviations from these requirements must be approved through the Novi Water & Sewer Division Cross Connection Control Specialist (248-735-5661).
- 20. For common area irrigation systems connected to wells, add the following note to the plans: "Irrigation systems connected to a public water supply are governed by the City of Novi Cross-connection Control Program and subject to review and approval. Irrigation systems utilizing a pond, well or other private source of water supply are exempt from the City's CCCP. Any alterations to a private source of water to a public water supply shall be submitted to the Novi Water & Sewer Division for review and approval prior to any such connections. Plumbing permits will be required for these connections."

Sanitary Sewer

- 21. Provide a dedicated 20-foot-wide access easement to the monitoring manhole from the right-of-way (rather than a public sanitary sewer easement).
- 22. Revise the sanitary sewer basis of design using the Oakland County Schedule of Unit Assignment Factors. Also, provide an estimated basis of design for the future proposed sanitary sewer to ensure that it is sized appropriately.
- 23. Illustrate all pipes intersecting with manholes on the sanitary profiles.
- 24. Three (3) sealed sets of revised utility plans along with the Michigan Department of Environment, Great Lakes & Energy (EGLE) permit application, electronic utility plan for sanitary sewer construction, and the Streamlined Sanitary Sewer Permit Certification 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. It should be indicated with the application if an expedited EGLE review is requested. EGLE will charge a fee that can be paid directly to the State.

Storm Sewer

- 25. A minimum cover depth of 3 feet shall be maintained over all proposed storm sewer. Currently, a few pipe sections do not meet this standard. Grades shall be elevated, and minimum pipe slopes shall be used to maximize the cover depth. In situations where the minimum cover <u>cannot</u> be achieved, Class V pipe must be used with an absolute minimum cover depth of 2 feet. An explanation shall be provided where the cover depth cannot be provided.
- 26. Provide a 0.1-foot drop in the downstream invert of all storm structures where a change in direction of 30 degrees or greater occurs.
- 27. Match the 0.80 diameter depth above invert for pipe size increases.
- 28. Storm manholes with differences in invert elevations exceeding two feet shall contain a 2-foot-deep plunge pool.
- 29. Provide a four-foot-deep sump and an oil/gas separator in the last storm structure prior to discharge to the storm water basin.
- 30. The minimum pipe size for storm sewers receiving surface runoff shall be 12-inch diameter.
- 31. Provide profiles for all storm sewer 12-inch and larger. All storm pipes accepting surface drainage shall be 12-inch or larger.
- 32. Plastic pipe other than ADS HP pipe is not allowed in the right-of-way.
- 33. The maximum allowable size for plastic storm sewer is 12-inch. However, smaller diameters are allowed for roof drains.
- Label all inlet storm structures on the profiles. Inlets are only permitted in paved areas and when followed by a catch basin within 50-feet.
- 35. Label the 10-year HGL on the storm sewer profiles and ensure the HGL remains at least 1-foot below the rim of each structure.
- 36. Illustrate all pipes intersecting storm structures on the storm profiles.

- 37. Provide a schedule listing the casting type, rim elevation, diameter, and invert sizes/elevations for each proposed, adjusted, or modified storm structure on the utility plan. Round castings shall be provided on all catch basins except curb inlet structures.
- 38. Show and label all roof conductors and show where they tie into the storm sewer.
- 39. Provide Storm sewer basis of design table.

Storm Water Management Plan

- 40. The Storm Water Management Plan (SWMP) for this development shall be designed in accordance with the Storm Water Ordinance and Chapter 5 of the Engineering Design Manual (updated Jan 31, 2024).
- 41. The runoff coefficient calculations on the utility plan sheet shows an overall coefficient of 0.80, whereas the updated calculations we were sent show a coefficient of 0.46. In a check of the approximate area, the 0.46 seems to have a more accurate area of impervious surfaces compared to the table on the utility sheet. Please revise the utility plan sheet with the updated calculations that were provided.
- 42. Provide calculations verifying the post-development runoff rate directed to the proposed receiving drainage course does not exceed the predevelopment runoff rate for the site.
- 43. The SWMP must address the discharge of storm water off-site, and evidence of its adequacy must be provided. This should be done by comparing pre- and post-development discharge rates. The area being used for this off-site discharge should be delineated and the ultimate location of discharge shown.
- 44. Rather than a sediment forebay, a permanent water surface and storage volume are preferred. Refer to section 5.6.1 A. of the Engineering Design Manual for depth and volume requirements for wet detention basins.
- 45. An adequate maintenance access route to the basin outlet structure and any other pretreatment structures shall be provided (15 feet wide, maximum running slope of 1V:5H, maximum cross slope of 3%, and able to withstand the passage of heavy equipment). Verify the access route does not conflict with proposed landscaping.
- 46. Provide a 5-foot-wide stone bridge/access route allowing direct access to the standpipe from the bank of the basin during high-water conditions (i.e. stone 6-inches above high-water elevation). Provide a detail and/or note as necessary.
- 47. As part of the Storm Drainage Facility Maintenance Easement Agreement, provide an access easement for maintenance over the storm water detention system and the pretreatment structure. Also, include an access easement to the detention area from the public road right-of-way.
- 48. Due to maintenance concerns, each restricting orifice in the control structure shall be a minimum of 1 inch in diameter, even though this may result in a flow rate above that calculated.

- 49. The flow restriction shall be accomplished by methods other than a pipe restriction in an oversized pipe due to the potential for clogging and restrictor removal. A perforated standpipe, weir design, baffle wall, etc. should be utilized instead.
- 50. The primary outlet standpipe shall be designed with a secondary outer pipe with numerous holes. The stone filter would rest against this outer pipe and would help protect the outlet standpipe from clogging.
- Provide a soil boring in the vicinity of the storm water basin to determine soil conditions and to establish the high-water elevation of the groundwater table. Note the bottom of the detention facility must be a minimum of **three (3) feet** above the groundwater elevation.
- 52. Provide drainage areas on the plans for the runoff coefficient determination.
- 53. A 4-foot-wide safety shelf is required one foot below the permanent water surface elevation within the basin.
- 54. A 25-foot vegetated buffer shall be provided around the perimeter of the storm water basin where impervious area is directed to the basin via surface flow.

Paving & Grading

- Provide a construction materials table on the Paving Plan listing the quantity and material type for each pavement cross-section being proposed.
- Provide a minimum of 6 spot elevations where the pathway crosses each driveway (one at each corner and two in the center of the driveway on each side of the pathway). Spot elevations shall be provided to demonstrate a level landing adjacent to each side of the pathway crossing.
- 57. No more than ¼" vertical obstacle shall be allowed at each transition between the pathway and the drive approach.
- 58. Revise Dumpster Pad details to meet city standards, 8" concrete on 8" 21 AA aggregate base. Note: Dumpster pad shall extend minimum 10' beyond dumpster enclosure.
- 59. Revise the pathway cross-section to indicate a <u>maximum</u> cross-slope of 2%. Add the maximum 2-percent cross-slope to the sidewalk detail.
- 60. Provide spot elevations at the intersection of the proposed pathway with the existing pathway.
- 61. Detectable warning plates are required at all barrier free ramps, hazardous vehicular crossings and other areas where the sidewalk is flush with the adjacent drive or parking pavement. The barrier-free ramps shall comply with current MDOT specifications for ADA Sidewalk Ramps. Provide the latest version of the MDOT standard detail for detectable surfaces.
- 62. Label specific ramp locations on the plans where the detectable warning surface is to be installed.
- 63. Specify the product proposed and provide a detail for the detectable warning surface for barrier free ramps. The product shall be the concrete-embedded detectable warning plates, or equal, and shall be approved by the Engineering Division. Stamped concrete will not be acceptable.

- 64. Verify the slopes along the ingress/egress routing to the building from the barrier-free stalls. All barrier-free stalls shall comply with Michigan Barrier-Free regulations.
- 65. Provide existing and proposed contours on the Grading Plan at the time of the Final Site Plan submittal.
- 66. Provide a note on the Grading Plan stating that the proposed pathway within the road right-of-way shall match existing grades at both ends.
- 67. Provide at least 3-foot of buffer distance between the sidewalk and any fixed objects, including hydrants and irrigation backflow devices. Include a note on the plan where the 3-foot separation cannot be provided.
- 68. Show proposed grades for all adjusted sanitary, water, and storm structures.
- 69. Site grading shall be limited to 1V:4H (25-percent), excluding landscaping berms. Numerous areas appear to exceed this standard.
- 70. The grade of the drive approach shall not exceed 2-percent within the first 25 feet of the intersection. Provide spot grades as necessary to establish this grade.
- 71. The sidewalk within the right-of-way shall continue through the drive approach. If like materials are used for each, the sidewalk shall be striped through the approach. The sidewalk shall be increased to ???-inches thick along the crossing or match the proposed cross-section if the approach is concrete. The thickness of the sidewalk shall be increased to ??? inches across the drive approach. Provide additional spot grades as necessary to verify the maximum 2-percent cross-slope is being maintained along the walk.
- 72. Per MDOT Special Provision for Crushed Concrete; the use of crushed concrete is prohibited on the project within 100 feet of any water of the state (stream, river, county drain, wetland, etc.) and lake, regardless of the application of location of the water of the state relative to the project limits. Add note to use 21AA crushed limestone base for any pavement within 100 feet of a water of the state.
- 73. Revise the on-site road cross-section to 1.5 inches of MDOT 5E1 on 2.5 inches of MDOT 3C on 8 inches of 21AA [limestone only if within 100 feet of a watercourse] aggregate base.
- 74. Provide spot grades along property lines adjacent to perimeter curb at 50-foot intervals to demonstrate site drainage is self-contained.
- 75. Provide additional spot grades as necessary to demonstrate that a minimum 5-percent slope away from the building is provided for a minimum distance of ten feet around the perimeter of the building.
- 76. The City standard straight-faced curb (MDOT F-4 curb detail) shall be provided. Remove detail and attach City standard paving details.
- 77. Dimensions of parking stalls abutting a curb or sidewalk are to the face of curb or walk. All other dimensions are to back of curb unless otherwise indicated.
- 78. Provide a line designation representing the effective 19-foot stall length for 17-foot perimeter stalls.

JSP24-0013

- 79. Curbing and walks adjacent to the end of 17-foot stalls shall be reduced to 4-inches high (rather than the standard 6-inch height to be provided adjacent to 19-foot stalls). Additionally, 2-foot overhang should be provided adjacent to 17-foot parking stalls (show 2-foot overhang on paving sheets).
- 80. Provide the standard MDOT detail 'M' approach at the Novi Road driveway.

Soil Erosion and Sediment Control

81. A SESC permit is required (link to <u>Soil Erosion Permit Application</u>). A review will be done when a completed packet is submitted to Sarah Marchioni at Community Development.

The following must be submitted with the Final Site Plan:

- 82. A letter from either the applicant or the applicant's engineer must be submitted with the Stamping Set highlighting the changes made to the plans addressing each of the comments listed above <u>and indicating the revised sheets involved</u>. Additionally, a statement must be provided stating that all changes to the plan have been discussed in the applicant's response letter.
- 83. An itemized construction cost estimate must be submitted to the Community Development Department 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. *The estimate must be itemized* for each utility (water, sanitary, storm sewer), on-site paving (square yardage, should include number do detectable warning plates), right-of-way paving (including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pre-treatment structure and restoration).

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 Ben Nelson at (248)735-5643 or email at bnelson@cityofnovi.org with any questions.

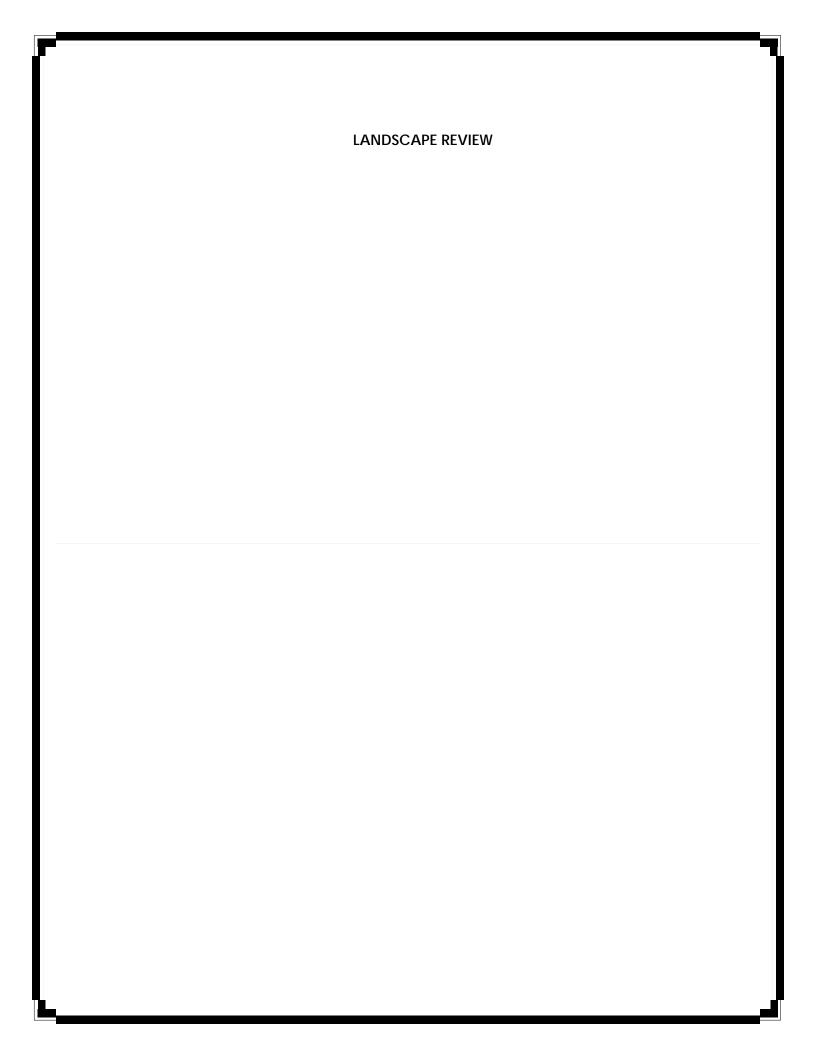
Ben Nelson,

Project Engineer

Bengamin Nelson

cc: Lindsay Bell, Community Development Humna Anjum, Engineering Milad Alesmail, Engineering

Ben Croy, City Engineer





PLAN REVIEW CENTER REPORT

November 4, 2024 <u>Quick Pass Car Wash</u> Revised Preliminary Site Plan - Landscaping

Review TypeJob #Revised Preliminary Site Plan Landscape ReviewJSP24-0013

Property Characteristics

• Site Location: 24555 Novi Road

Site Acreage: 4.68 ac.Site Zoning: B-3

• Adjacent Zoning: North, West: OS-1, East: I-1, South: B-3

• Plan Date: 10/10/2024

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 revised Preliminary Site Plan submittal. Underlined items must be addressed on the Final Site Plans. Please follow guidelines of the Zoning Ordinance and Landscape Design Guidelines. This review and the accompanying Landscape Chart are summaries and are not intended to substitute for any Ordinance.

RECOMMENDATION:

This project is **recommended for approval for Preliminary Site Plan for the car wash section of the site**. The remaining portions of the site must meet the ordinances in effect at the time of their submittal.

No landscape waivers are required for the Quick Pass section of the site.

Please add the city project number, JSP24-0013, to the bottom right corner of the set cover sheet.

Ordinance Considerations

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

- 1. Tree survey is provided.
- 2. No regulated trees are proposed to be removed but the critical root zones of several will be impacted for the construction of the stormwater detention pond outlet. The required replacements for those are proposed along the southern edge of the detention pond.
- 3. A wetland survey has been provided.

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

The project is not adjacent to residential property.

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

- 1. The required berms are provided at an appropriate height.
- 2. The required plantings are provided.

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

- 1. The required parking lot interior area and trees are provided for the vacuum area.
- 2. The required accessway perimeter trees are provided.
- 3. The required street trees are provided.

Building Foundation Landscaping (Zoning Sec 5.5.3.D)

- 1. The required foundation landscaping is shown on a conceptual level.
- 2. <u>Please provide detailed foundation landscaping plans on Final Site Plans.</u>

Plant List (LDM 4, 10)

Please provide a plant list on the Final Site Plans.

Planting Notations and Details (LDM 10)

Provided

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

- 1. A new detention pond is proposed.
- 2. The required shrubs and shading trees are proposed.

Irrigation (LDM 10)

Ml Meady

- 1. If an irrigation system will be used, a plan for it must be provided with Final Site Plans.
- 2. <u>If alternative means of providing water to the plants for their establishment and long-term survival, information regarding that is also required with Final Site Plans.</u>

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@cityofnovi.org.

Rick Meader - Landscape Architect

LANDSCAPE REVIEW SUMMARY CHART - Revised Preliminary Site Plan

Review Date: November 4, 2024

Project Name: JSP24-0013: QUICK PASS CAR WASH

Project Location: 24555 Novi Road **Plan Date:** October 10, 2024

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. Underlined items need to be addressed for Final Site Plan.

No landscape waivers are required by this plan. Only the entire front greenbelt and car wash section of the site are included in this review.

GENERAL NOTE:

As only the car wash and center drive are proposed now, it is impossible to determine all of the impacts or requirements of the total project, or landscape waivers that might be required for any future elements. All future phases will have to go through the full site plan review process and seek any waivers that might be required at that time.

Please add the City Project Number, JSP24-13, to the bottom right corner of the cover sheet.

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Requir	ements (Landscape Design	Manual (LDM) and Zor	ning Ordina	nce (Zoning Sec)
Landscape Plan (Zoning Sec 5.5.2, LDM 2, 10)	 New commercial or residential developments Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less. 1"=20' minimum with proper North. Variations from this scale can be approved by LA Consistent with plans throughout set 	Scale: 1" = 30'	Yes	
Project Information (LDM 10)	Name and Address	On Title Block	Yes	
Owner/Developer Contact Information (LDM 10)	Name, address and telephone number of the owner and developer or association	On Title Block	Yes	
Landscape Architect contact information (LDM 10)	Name, Address and telephone number of RLA/PLA/LLA who created the plan	Jim Allen, Allen Design	Yes	

Item	Required	Proposed	Meets Code	Comments
Sealed by LA. (LDM 10)	Requires original signature	Copy of seal and signature	Yes	
Miss Dig Note (800) 482-7171 (LDM 10)	Show on all plan sheets	Yes	Yes	
Zoning (LDM 10)	Include all adjacent zoning	On Cover Sheet • Parcel: B-3 • North, West: OS-1 • East: I-1 • South: B-3	Yes	
Survey information (LDM 10)	Legal description or boundary line survey Existing topography	Sheet 4	Yes	
Existing plant material Existing woodlands or wetlands (LDM 10)	Show location type and size. Label to be saved or removed. Plan shall state if none exists.	 Tree survey is provided on L-2. None of the removed trees are regulated. Wetlands are indicated on the west end of the site. No regulated trees will be impacted by the car wash except some critical root zone encroachments to create the pond outlet to the wetland. Those impacts are indicated on the woodland replacement calculations on Sheet L-2. The woodland replacement trees are shown being planted on the south side of the detention pond. 	• Yes • Yes • Yes • Yes • Yes • Yes	Please remove the Austrian pines in poor condition if they appear to be impacted by disease so the healthy trees nearby are not infected. As there are many other trees along there to meet the accessway perimeter requirement, they won't need to be replaced.
Soil types (LDM10)	As determined by Soils survey of Oakland county Show types, boundaries	 Sheet 3 Marlette sandy loam Aquents, sandy, loamy Houghton and Adrian mucks 	Yes	

Item	Required	Proposed	Meets Code	Comments
Existing and proposed improvements (LDM 10)	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	 Detailed plans for the car wash Conceptual plans for the remaining parts of the parcel 	• Yes • TBD	
Existing and proposed utilities (LDM 10)	Overhead and underground utilities, including hydrants	 Existing utilities are shown – overhead lines along Novi Road and along north property line Proposed storm, water and sanitary is shown on landscape plan No proposed lighting is provided Storm water detention pond is shown west of the car wash 	YesYesNoYes	Please add the proposed light posts and resolve any tree/light conflicts.
Proposed grading. 2' contour minimum (LDM 10)	Provide proposed contours at 2' interval	 Proposed spot elevations are on Sheet 5. Berms are shown on Sheet 5 that are sufficiently tall 	• Yes • Yes	
Snow deposit (LDM 10)	Show snow deposit areas on plan	Snow deposit areas are indicated around the perimeter	Yes	
LANDSCAPING REQUIRE	MENTS			
Parking Area Landscap	e Requirements (Zoning Se	· · · · · · · · · · · · · · · · · · ·		
General requirements (LDM 5)	Clear sight distance within parking islandsNo evergreen trees	No plantings are shown within the parking areas that would block visibility	Yes	
Name, type and number of ground cover (LDM 5)	As proposed on planting islands	 Sod is indicated around car wash. Hydroseed is indicated for other disturbed areas. 	Yes	
General (Zoning Sec 5.	1			
Parking lot Islands	A minimum of 200 SF to qualifyA minimum of 200sf	All labeled islands around the car wash are sufficiently	Yes	

Item	Required	Proposed	Meets Code	Comments
	unpaved area per tree planted in an island • 6" curbs • Islands minimum width 10' BOC to BOC	sized and labeled		
Curbs and Parking stall reduction (Zoning Sec 5.3.12)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	Vacuum spaces are 17 feet long	Yes	
Contiguous space limit (Zoning sec 5.5.3.C)	Maximum of 15 contiguous spaces	12 spaces is the maximum bay length	Yes	
Plantings around Fire Hydrant (Zoning sec 5.5.3.C)	 No plantings with matured height greater than 12' within 10 ft. of fire hydrants Plant trees at least 5 ft from underground utility lines Plantings near hydrants or FDCs should be no taller than 12" 	The two trees near the proposed hydrant are spaced appropriately	Yes	Please shift the accessway perimeter tree along the south side to at least 10 feet away from the catch basin.
Landscaped area (Zoning sec 5.5.3.C)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	Yes – in car wash area		
Clear Zones (Zoning sec 5.5.3.B.ii Footnote 10)	Road Commission for Oakland County zone for RCOC jurisdiction roads	Clear vision zone is provided	Yes	
	OS-2, OSC, OST, B-1, B-2, B-3 district (Zoning Sec 5.5.3.C)		C-1, RC, Spe	ecial Land Use or non-
A = Total square footage of vehicular use areas up to 50,000sf x 7.5%	• A = x sf * 7.5 % = A sf • 8781 * 7.5% = 659 sf	Calculation is provided	Yes	
B = Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 1 %	• B = x sf * 1% = B sf • (xxx - 50000) * 1% = xx sf			
Category 2: For: I-1 and	1 I-2 (Zoning Sec 5.5.3.C)			
A. = Total square footage of vehicular use area up to 50,000 sf x 5%	A = x sf * 6% = A sf	NA		
B = Total square	$B = 0.5\% \times 0 \text{ sf} = B \text{ SF}$	NA		

Berm requirements (Zoning Sec 5.5.A)

to residential so this

required.

Adjacent to Public Rights-of-Way (Sec 5.5.3.B and LDM 1.b)

screening berm is not

Item	Required	Proposed	Meets Code	Comments	
footage of additional paved vehicular use areas over 50,000 SF x 0.5%					
All Categories					
C = A+B Total square footage of landscaped islands	• C = A + B • C = 659 + 0 = 659 SF	1659 sf	Yes	As noted above, all of the future areas will need to meet the landscaping requirements in effect at the time of their development.	
D = C/200 Number of canopy trees required	D = C/200 treesD = 659/200 = 3 Trees	4 trees	Yes	See notes above	
Perimeter Green space (Zoning Sec 5.5.3.C)	 1 Canopy tree per 35 lf 303/35 = 9 trees 	9 trees double- counting as accessway perimeter trees, which is approved	Yes		
Accessway perimeter (Zoning Sec 5.5.3.C)	 1 canopy tree per 35 If on each side of road, less widths of access drives. 992If/35 = 28 trees 	28 trees • 9 shared parking lot perimeter trees • 19 accessway trees along the southern drive and three on the ends of the car wash • The cluster of existing trees at the south property line are remaining and can count as 3 accessway perimeter trees.	Yes		
Parking land banked (Zoning Sec 5.2.14.D)	NA	No			
Berms, Walls and ROW Planting Requirements					
Berms (Zoning Sec 5.5.3	3.A & LDM 1)				
 All berms shall have a maximum slope of 33%. Gradual slopes are encouraged. Show 1ft. contours Berm should be located on lot line except in conflict with utilities. Berms should be constructed with 6" of topsoil. 					
Residential Adjacent to	Non-residential (Sec 5.5.3.	A & LDM 1.a)			
D	The site is not adjacent				

None

Yes

Item	Required	Proposed	Meets Code	Comments	
Berm requirements (Zoning Sec 5.5.3.A.(5))	Although the site's parking is not adjacent to the right-of-way, an alternate means of screening the headlights from the carwash access drive should be provided in the greenbelt if the berm won't achieve the required 3 feet height	A berm is proposed across the frontage of the car wash and the future section	Yes		
Cross-Section of Berms	(LDM 10)	T	1	1 7 1 1 1 1 1	
Slope, height and width	 Label contour lines Maximum 33% Min. 3 feet flat horizontal area Minimum 3 feet high Constructed of loam with 6' top layer of topsoil. 	A cross section is provided	Yes	 The detail shows shrubs on the berm but no shrubs are proposed. As the berm is high enough, no shrubs are required for the car wash so the shrubs can be removed if desired. 	
Type of Ground		Sod is indicated			
Cover Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	 Overhead lines are shown along Novi Road and the north property line. Subcanopy trees are shown as street trees underneath the overhead lines 	Yes		
Walls (Zoning Sec 5.5.3.	A & LDM 10)				
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	No walls are proposed			
Walls greater than 4 ft. should be designed and sealed by an Engineer		NA			
ROW Landscape Screening Requirements (Zoning Sec 5.5.3.B.ii)					
Greenbelt width	Adj to Parking: 20 ft. Not adj to Pkg: 25 ft	25 ft	Yes		
Min. berm crest width	Adj to Parking: 2 ft. Not adj to Pkg: 0 ft	2 ft	Yes		
Minimum berm height	Adj to Parking: 3 ft.	3-5 ft	Yes		

Item	Required	Proposed	Meets Code	Comments
	Not adj to Pkg: 0 ft			
3' wall	(2)(3)(4)	None		
Canopy deciduous or large evergreen trees	 Adj to Pkg: 1 tree per 30 lf Not adj to Pkg: 1 per 60 ft (229-27)/60 = 3 trees 	4 trees	Yes	
Sub-canopy deciduous trees)	 Adj to Pkg: 1 tree per 20 lf Not adj to Pkg: 1 per 40 ft (229-27)/40 = 5 trees 	5 trees	Yes	
Canopy deciduous trees in area between sidewalk and curb	 Parking & No Parking: tree per 35 lf (229-27)/35 = 6 trees (or 9 subcanopy trees under wires) 	9 subcanopy trees west of the sidewalk	Yes	If the RCOC does not allow some or all of the required street trees, they do not need to be planted but a copy of their decision must be provided to the City.
Non-Residential Project	s (Zoning Sec 5.5.3.F.iii) N, building foundation land	Iscane narking lot land	dscaning a	nd I DM
Screening of outdoor storage, loading/unloading (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)	Loading areas must be completely screened from a public road	No loading zone is shown	TBD	If a loading zone is added, please screen it from Novi Road.
Transformers/Utility boxes (LDM 6)	 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 transformers are shown	No	 When transformer locations are finalized, screening shrubs per standard detail are required. A note indicates that screening is required. Please add 12 shrubs per transformer to the plant list for an accurate cost estimate.
Building Foundation Lar	ndscape Requirements (Zor	ning Sec 5.5.3.D)		
Interior site landscaping SF (Zoning Sec 5.5.3.D)	 Equals to entire perimeter of the building x 8, less doorways, with a minimum width of 4 ft. A: 364lf x 8ft = 2912 SF 	 A: 2922 sf Shaded areas indicate that sufficient area is provided for the car wash 	 Yes, for the car wash TBD for other buildin gs 	 Please provide detailed planting plans for foundation planting with final site plans for the car wash and the other buildings on the site. Foundation plantings are to be included in cost estimate. All future buildings

Item	Required	Proposed	Meets Code	Comments
				will need to have all of their required foundation landscaping.
Building Frontage Landscaping (Zoning Sec 5.5.3.D)	If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	23lf/32lf = 72% of car wash frontage	Yes	The future north building will need to have the required foundation landscaping facing Novi Road.
Detention/Retention Ba	sin Requirements (Zoning S	ec. 5.5.3.E & LDM 3)		
Planting requirements (Zoning Sec 5.5.3.E & LDM 3)	 Clusters of large native shrubs shall cover 70-75% of the basin rim area at 10 lf from permanent water level 10" to 14" tall grass along sides of basin Refer to wetland for basin mix Deciduous canopy tree 1/35 of east, south and west sides of pond at 10 feet from permanent water level 	 A detention pond is proposed west of the car wash The required shrubs are proposed Woodland replacement trees meet the screening requirement south of the pond, parking lot perimeter trees provide sufficient shade on the east end and existing trees to remain provide shade on the west end 	Yes	A maintenance access lane will be needed for the west end of the pond.
Phragmites and Japanese Knotweed Control (Zoning Sec 5.5.6.B)	 Any and all populations of Phragmites australis and/or Japanese Knotweed on site shall be included on tree survey. Treat populations per MDEQ guidelines and requirements to eradicate the weed from the site. 	A note indicates that no Japanese Knotweed or Phragmites was found on the site.	TBD	If any is found during construction, it must be chemically treated to remove it.
LANDSCAPING NOTES, DETAILS AND GENERAL REQUIREMENTS				
Landscape Notes - Utili Installation date	ze City of Novi Standard No	btes Between Mar 15		
(LDM 10)	Provide intended date	and Nov 15.	Yes	
Maintenance & Statement of intent (Zoning Sec 5.5.6 & LDM 10)	 Include statement of intent to install and guarantee all materials for 2 years. 	Provided	Yes	

Item	Required	Proposed	Meets Code	Comments
	 Include a minimum one cultivation in June, July and August for the 2-year warranty period. 			
Plant source (LDM 10 & 11)	Shall be northern nursery grown, No.1 grade.	Provided	Yes	
Irrigation plan (LDM 10)	 A fully automatic irrigation system or a method of providing sufficient water for plant establishment and survival is required on Final Site Plans. If irrigation won't be used, note how trees will get sufficient water for establishment and long-term survival 	No		 Please add an irrigation plan or information as to how plants will be watered sufficiently for establishment and long- term survival. If an irrigation system is provided, it must meet the requirements listed below. If xeriscaping is used, please provide information about plantings included and how water will be provided for the plants' establishment.
Other information (LDM 10)	Required by Planning Commission	NA		
Establishment period (Zoning Sec 5.5.6 & LDM 10)	2 yr. Guarantee	Provided	Yes	
Approval of substitutions. (Zoning Sec 5.5.5 & LDM 10)	City must approve any substitutions in writing prior to installation.	Provided	Yes	
Plant List (LDM 10 & 11)	- Include all cost estimates	3		
Quantities and sizes	Refer to LDM suggested plant list	No plant list is provided		Please add plant list no later than the Final Site Plans.
Root type	At least 50% of species used shall be native to	No	No	<u>See above</u>
Botanical and common names (LDM 4 & 11)	Michigan Tree diversity shall follow guidelines of	None at this time	• No • No	<u>See above</u>
Type and amount of lawn	LDM Section 4	Seed and sod	Yes	Please add areas of each in cost table.
Cost estimate (LDM 10)	For all new plantings, mulch and sod as listed on the plan	No	No	Please add to final site plan.

Item	Required	Proposed	Meets Code	Comments
Planting Details/Info (LE	OM Part III) - Utilize City of N	ovi Standard Details		
Canopy Deciduous Tree		Yes	Yes	
Evergreen Tree		Yes	Yes	
Multi-stem Tree	Refer to LDM for detail	Yes	Yes	
Shrub		Yes	Yes	
Perennial/ Ground Cover	drawings	Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection fencing	Located at Critical Root Zone (1' outside of dripline)	Yes	Yes	Please put on Demolition and/or Soil Erosion Control plan
Other Plant Material Re		I I		
General Conditions	Plant materials shall not be planted within 4 ft. of property line	Yes	Yes	
Plant Materials & Existing Plant Material (LDM 11)	Clearly show trees to be removed and trees to be saved.	Yes	Yes	
Landscape tree credit (LDM 11)	 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		
Plant Sizes for ROW, Woodland replacement and others (LDM 11)	 Size determined by use detailed in LDM Table 11.b.(2)a.i Indicate on plant list 	No plant list is provided		
Plant size credit (LDM 11)	NA	No		
Prohibited Plants (LDM 11.b)	No plants on City Invasive Species List	No plant list is provided	TBD	
Recommended trees for planting under overhead utilities (LDM 11)	Label the distance from the overhead utilities	Overhead lines are indicated	Yes	
Collected or Transplanted trees (LDM 11)		No		
Nonliving Durable Material: Mulch (LDM 12)	Trees shall be mulched to 3"depth and shrubs, groundcovers to 2"	Yes	Yes	

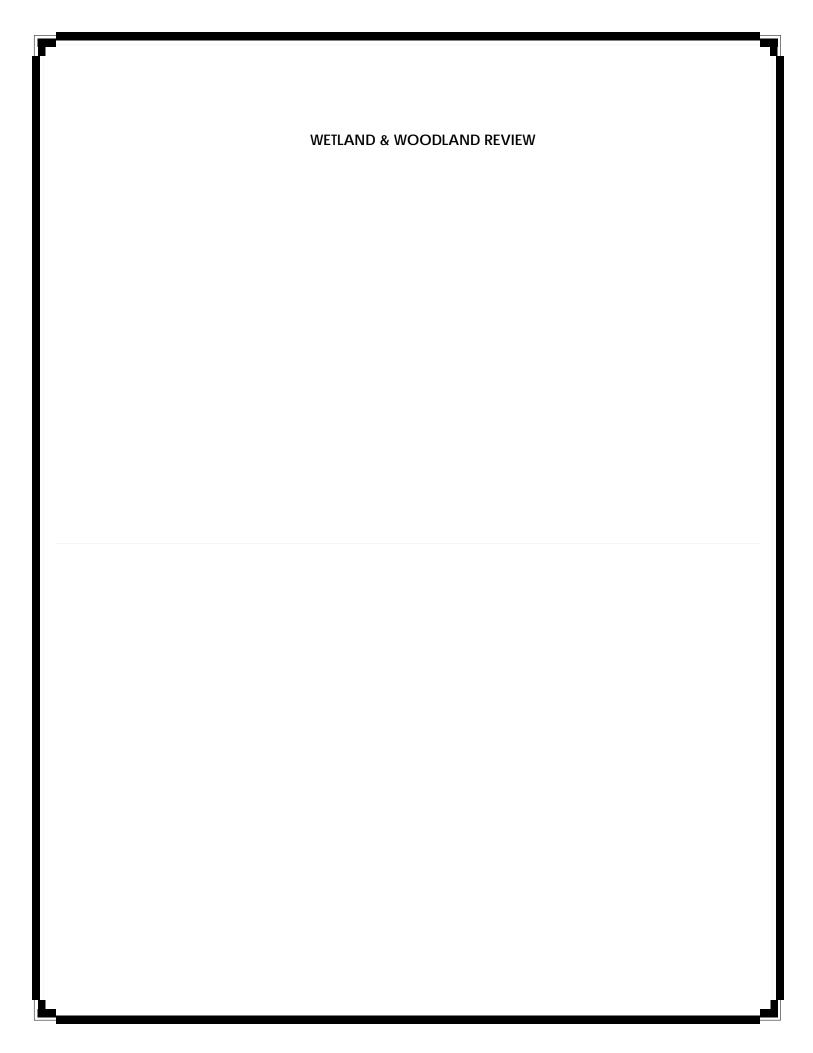
Item	Required	Proposed	Meets Code	Comments
	depth • Specify natural color, finely shredded hardwood bark mulch. Include in cost estimate. • Refer to section for additional information			

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.

<u>Irrigation System Requirements</u>

- 1. Any booster pump installed to connect the project's irrigation system to an existing irrigation system must be downstream of the RPZ.
- 2. The RPZ must be installed in accordance with the 2015 Michigan Plumbing Code.
- 3. The RPZ must be installed in accordance with the manufacture installation instructions for winterization that includes drain ports and blowout ports.
- 4. The RPZ must be installed a minimum of 12-inches above FINISHED grade.
- 5. Attached is a handout that addresses winterization installation requirements to assist with this.
- 6. A plumbing permit is required.
- 7. The assembly must be tested after installation with results recorded on the City of Novi test report form.





November 4, 2024

Lindsay Bell Planner – Community Development City of Novi 45175 Ten Mile Road Novi, MI 48375

Submitted electronically to lbell@cityofnovi.org

Re: Quick Pass Car Wash Wetland and Woodland Review (JSP24-13)

Dear Lindsay,

Merjent, Inc. (Merjent) has conducted a review of the revised preliminary site plan (rPSP) for the Novi Road Development Project (also identified as Quick Pass Car Wash; Project), prepared by Greentech Engineering, Inc. (Applicant; rev. date 10/10/24). The landscape portion of the site plan was prepared by Allen Design and is dated 10/9/24. Merjent reviewed the plan for conformance with the City of Novi's (City) Woodland Protection Ordinance, Chapter 37, and Wetlands and Watercourse Protection Ordinance, Chapter 12 Article V. The Project is located at 24555 Novi Road (parcel 50-22-22-400-010) in Section 22 of the City of Novi (site). The site contains City-regulated woodlands (**Figure 1**) and City-regulated wetlands (**Figure 2**).

Merjent conducted an initial preliminary site plan (PSP) review of the site on July 19, 2024. Multiple deficiencies were found in both the woodland and wetland review and approval was not recommended for the PSP. Hereafter, the July 19, 2024 wetland and woodland review will be referred to as the PSP Review (or PSP Review Letter).

Woodlands

Woodland Recommendation: Merjent **recommends approval** of the Quick Pass Car Wash rPSP. However, **additional Woodland Review comments have been provided that will require being addressed prior to the final site plan submittal**. The following Woodland Regulations apply to this site (based on the site plan dated 10/10/2024):

Woodland Regulation	Required
Woodland Permit (Chapter 37, Section 37-26)	YES
Tree Replacement (Chapter 37, Section 37-8)	YES
Tree Protection (Fence; Chapter 37, Section 37-9)	YES
Woodland Conservation Easement (Chapter 37-30[e])	YES, if feasible

Woodland Review Comments

- 1. City-regulated woodlands, as identified on the City of Novi Woodlands interactive map website, are present onsite. Note that both the woodlands and property limits depicted on the City map are considered approximations (**Figure 1**).
- 2. When a proposed site plan is located within a regulated woodland, any tree proposed for removal with a diameter at breast height (DBH) greater than or equal to eight inches will require tree replacement and a Woodland Use Permit per Section 37-8. This also applies to any tree that will be preserved, but where impacts to critical root zones are proposed.
- 3. Regardless of the presence of regulated woodlands onsite, a Woodland Use Permit is required to perform construction on any site containing the removal of trees larger than 36 inches DBH.
- 4. Sheet 4 of the rPSP may have not been updated compared to Sheet L-2 of the rPSP. Sheet 4 does not reflect the impacts stated on Sheet L-2 of the rPSP and the following review was conducted based on the impacts listed on Sheet L-2 of the rPSP. Clarification should be provided in future submittals to ensure all site plan sheets are consistent.
- 5. The plan has proposed the impact of three trees. A Woodland Use Permit is typically required to perform construction on any site containing regulated woodlands. Therefore, a Woodland Use Permit and Planning Commission approval for Woodlands will be required for this Project due to the impact of three trees on-site.
- 6. Pursuant to Section 37-28, all trees shall be identified in the field by the painting of the identifying numbers in nontoxic paint of a white, yellow or orange color, or by a tree identification tag affixed loosely with a single nail. While most trees on-site did contain a metal tag and pink flagging (examples provided in Attachment A). An additional on-site review was conducted on November 1, 2024 and it appears that the trees proposed for impact may have had the tags or markings removed. Photographs from the site visit are included in Attachment A showing each tree with a missing tag adjacent to the proposed impact area.

Additionally, some trees on-site may have tags from a previous, unassociated, tree survey. Photos of an example tree are provided in **Attachment A** – Tree Tag 698 (not in plan) a dual trunk eastern cottonwood (*Populus deltoides*) with a DBH of 23 inches and 15 inches. **The applicant is requested to clarify and tag any trees larger than eight inches DBH on-site to verify proposed impacts are accurate.**

7. **Woodland Replacement**. Based on review of the plan, the following woodland replacements are currently required:

Tree Size (DBH, inches)	Number of Trees	Ratio Replacement/Removed Tree	Total Replacements Required
8-11	0	1	0
12-20	2	2	4
21-29	0	3	0
30+	0	4	0



Tree Size (DBH, inches)	Number of Trees	Ratio Replacement/Removed Tree	Total Replacements Required
Multi-stem	1	Sum of Stem DBH/8 (rounded up)	2
Total	3	-	6

The applicant has proposed the impact of three trees in the form of critical root zone impacts.

- 8. A replacement plan and cost estimate for the tree replacement will be necessary prior to final site plan approval by the City. Woodland replacement credits can be provided by:
 - a. Planting the woodland tree replacement credits on-site.
 - b. Payment to the City of Novi Tree Fund at a rate of \$400/woodland replacement credit.
 - c. Combination of on-site tree planting and payment into the City of Novi Tree Fund (\$400/woodland replacement credit).

The applicant has proposed planting six trees on-site for the proposed impacts. For the tree replacement credits that will be planted on-site, a financial guarantee of \$400/tree replacement credit is required to ensure the planting of the on-site woodland replacement credits. The financial guarantee will be released after trees have been planted and approved by the City of Novi. The applicant must request a tree planting inspection. Based on the current site plan, a financial guarantee of \$2,400 will be required.

Woodland replacements shall be guaranteed for two growing seasons after the applicant's installation and the City's acceptance. A two-year maintenance bond in the amount of 25% of the value of the trees, but in no case less than \$1,000, shall be required to ensure the continued health of the trees following acceptance. Based on the current site plan, a maintenance bond of \$1,000 will be required. Based on a successful inspection two years after installation of the on-site Woodland Replacement trees, the Woodland Replacement Performance Guarantee shall be returned to the Applicant. The Applicant is responsible for requesting this inspection. See Chapter 26.5, Section 26.5-37 for additional information.

With no remaining tree impacts no payment is necessary into the City of Novi Tree Fund.

The applicant should note that the proposed replacement tree species are not identified in the rPSP. Any proposed replacement tree species will need to follow the guidelines set forth in the <u>City of Novi Landscape Design Manual</u> and must be chosen from the guidelines set forth in the Woodland Tree Replacement Chart under Section 37-8. The Woodland Tree Replacement Chart is provided as **Attachment B**.

- 9. **Critical root zone**. Accurate critical root zones must be depicted on the site plan for all regulated trees within 50 feet of the proposed grading or construction activities. The applicant has included critical root zones on the rPSP.
- 10. The applicant has included the cost to stake, install, and remove the tree protection fencing to the Woodland Plan on Sheet L-2 (\$1,050).



- a. A woodland fence guarantee of \$6,000 (\$5,000 x 120%) is required per Chapter 26.5-37. The financial guarantee shall be paid prior to tree removal. The woodland fence inspection will be performed by Merjent. The Applicant is responsible for requesting this inspection.
- b. Tree protection locations are provided on Sheet L-2.
- 11. Woodland Replacement Inspection The Applicant is responsible for walking the entire site to confirm that all woodland replacement trees/shrubs have been planted on site according to the approved site plan stamping set. If any material is missing, dead or dying, replacements should be made prior to requesting the inspection. The applicant should also provide an as-built landscape plan if the trees planted do not match the species and/or location shown on the approved site plan stamping set. Once this occurs the Applicant should contact the Bond Coordinator to schedule the inspection (Angie Sosnowski at asosnowski@cityofnovi.org; 248-347-0441) and complete the inspection request form. If additional inspections are needed, then additional inspection fees will be required to be paid by the applicant.
- 12. Woodland Guarantee Inspection Prior to requesting the 2-year woodland guarantee inspection, the Applicant is responsible for walking the entire site to confirm that all plant material has survived and is healthy. If any material is missing, dead or dying, replacements should be made prior to requesting the inspection. Once this occurs the Applicant should contact the Bond Coordinator to schedule the 2-year guarantee inspection (Angie Sosnowski at asosnowski@cityofnovi.org / 248-347-0441) and complete the inspection request form. If additional inspections are needed, then additional inspection fees will be required to be paid by the applicant. Based upon a successful inspection for the 2-year warranty the Landscape/Woodland/Street trees financial guarantee will be returned to the Applicant.

If the woodland replacements, street trees, or landscaping guarantee period is scheduled to end during the period when inspections are not conducted (November 15th – April 15th) the Applicant is responsible for contacting the Bond Coordinator and Woodland/Landscape Inspector in the late summer/early fall prior to the 2-year expiration to schedule an inspection.

13. The Applicant may be required to provide preservation/conservation easements as directed by the City of Novi Community Development Department for any areas of woodland replacement trees. The applicant shall demonstrate that all proposed woodland replacement trees and existing regulated woodland trees to remain will be guaranteed to be preserved as planted with a conservation easement or landscape easement to be granted to the city. This language shall be submitted to the City Attorney for review. The executed easement must be returned to the City Attorney within 60 days of the issuance of the City of Novi Woodland permit. Any associated easement boundaries shall be indicated on the Plan.

Wetlands

Wetland Recommendation: Merjent **recommends approval** of the Quick Pass Car Wash rPSP. Edits are requested prior to the submittal of any future site plan reviews.

Upon review of published resources, the Site appears to contain or immediately borders:

☑ City-regulated wetlands, as identified on the City of Novi interactive map website. Note that both wetland and property limits depicted on the City's map are considered approximations (**Figure 2**).



- Wetlands that are regulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).
- Wetlands as identified on National Wetland Inventory (NWI) and Michigan Resource Inventory System (MIRIS) maps, as identified on the EGLE Wetlands Viewer interactive map website (map provided in PSP Review). NWI and MIRIS wetlands are identified by the associated governmental bodies' interpretation of topographic data and aerial photographs.

Permits and Regulatory Status

Due to the comments below, the following wetland-related items will be required for this project:

Item	Required/Not Required	
Wetland Permit (specify Non-minor or Minor)	Required, Minor	
Wetland Mitigation	Not Required	
Environmental Enhancement Plan	Not Required	
Wetland Buffer Authorization	ation Required	
EGLE Wetland Permit	nd Permit Likely Required*	
Wetland Conservation Easement	Not Required	

^{*}EGLE is the final authority over wetlands and water resources in the State of Michigan.

Wetland Review Comments

1. The rPSP has been revised since the submittal of the PSP to include the location of wetland flags for one wetland on-site. The wetland hereafter will be referred to as "Wetland A." Wetland A is dominated by vegetation such as narrow-leaf cat-tail (*Typha angustifolia*), Jack-in-the-pulpit (*Arisaema triphyllum*), glossy false buckthorn (*Frangula alnus*), European Buckthorn (*Rhamnus cathartica*), sensitive fern (*Onoclea sensibilis*), and royal fern (*Osmunda spectabilis*); tree species identified in the tree survey (Sheet L-2) in the western portion of the site are consistent with trees commonly found in forested wetlands. Wetland A contains a mix of herbaceous, shrub/sapling, and tree-sized vegetation. It is the applicant's responsibility to quantify the size and type of wetland(s) on-site and any future submittals should quantify the size and type of Wetland A and any other water resources present on-site.

The applicant was requested in the PSP Review to flag or stake wetlands on-site consistent with the requirements set forth in Section 12-172 (f). Merjent, the City of Novi, EGLE, and the applicant met on-site on July 18, 2024 for a EGLE Water Resources Division Pre-application Meeting and the applicant stated that flags were removed. Both EGLE and Merjent requested that flags be placed at the boundary of the wetland to ensure the wetland was properly identified. Pursuant to Section 12-172(f), "Upon filing of the application, the applicant shall have the boundary lines of any watercourses or wetlands on the property flagged or staked. The flagging or staking shall remain in place throughout the conduct of the permit activity." Merjent conducted an additional on-site review on November 1, 2024 and the same tattered, rigid, and ripped blue and pink ribbons/flagging mentioned in the PSP Review were present. No new flagging/staking had been added since the PSP Review. **Prior to final site plan approval, the**



applicant should stake/flag the boundary of the wetland(s) on-site consistent with site plan submittals, and the flags should remain in place throughout construction.

- 1. Per Section 12-172, any impacts to wetlands should be identified and quantified on site plans.
 - a. A proposed storm sewer is identified as outfalling adjacent to Tree 4704. Details should be provided as to the type of inlet/outlet (corrugated metal, reinforced concrete pipe, etc.), and quantity of riprap or other stabilization material for the construction. Section 12-173 allows a Nonresidential minor use permit to be granted for the installation of a single water outlet that is riprapped or otherwise stabilized to prevent soil erosion.
- 2. When a project permanently impacts 0.25 acre or more of essential wetland, the City of Novi requires mitigation at a ratio of 2:1 for forested wetlands and 1.5:1 for emergent and scrub-shrub wetlands. As previously mentioned, onsite wetlands types should be individually quantified on site plans to determine if mitigation will be required. As currently presented, a conservative mitigation ratio of 2:1 will need to be utilized for all wetland impacts due to the uncertainty of wetland types onsite.
 - a. The proposed impacts are not anticipated to exceed 0.25 acre.
- 3. EGLE is the final authority of the location and regulatory status of state-regulated wetlands in Michigan. Due to the connectivity of the wetland(s) on-site to other water resources, it is likely that Wetland A on-site is EGLE-regulated in addition to being City-regulated. A City wetland use permit cannot be granted until either an EGLE Permit is obtained or official documentation from EGLE is received that states a EGLE Permit is not required for the proposed project.
- 4. In addition to wetlands, the City of Novi regulates wetland and watercourse buffers/setbacks. Article 24 of the Zoning Ordinance, Schedule of Regulations, states: "There shall be maintained in all districts a wetland and watercourse setback, as provided herein, unless and to the extent, it is determined to be in the public interest not to maintain such a setback. The intent of this provision is to require a minimum setback from wetlands and watercourses". The established wetland and watercourse buffer/setback limit is 25 horizontal feet, regardless of grade change.

The proposed outfall is located directly adjacent to Wetland A. The rPSP has a dashed line that appears to represent the 25-foot buffer, but no label or callout is identified. In future submittals, the setback/buffer should be identified in either the legend and/or via a callout label. Additionally, The proposed storm water outfall pipe appears to be within the 25-foot buffer. Similar to Comment 1 (above), impacts should be quantified by providing information such as: type and length of pipe within the buffer; amount of excavation/fill within the buffer; and installation method of the pipe (open cut, horizontal directional drill, etc.).

Should you have any questions or concerns with this review, please contact me via email at jason.demoss@merjent.com or via phone at (619) 944-3835.



Sincerely,

Merjent, Inc.

Jason DeMoss, PWS
Environmental Consultant

Enclosures:

Figure 1 – City of Novi Woodlands Map Figure 2 – City of Novi Wetlands Map Attachment A – Site Photos Attachment B – City of Novi Replacement Tree Table

CC:

Barb McBeth, City of Novi, bmcbeth@cityofnovi.org
Rick Meader, City of Novi, rmeader@cityofnovi.org
Diana Shanahan, City of Novi, dshanahan@cityofnovi.org
Robb Roos, Merjent, robb.roos@merjent.com





Figure 1. City of Novi Regulated Woodlands Map
Approximate Site boundary is shown in red.

Approximate Site boundary is shown in red.

Approximate Regulated Woodland areas are shown in green.





Figure 2. City of Novi Regulated Wetlands Map
Approximate Site boundary is shown in Red.
Approximate Regulated Wetland areas are shown in turquoise.



Attachment A Site Photographs



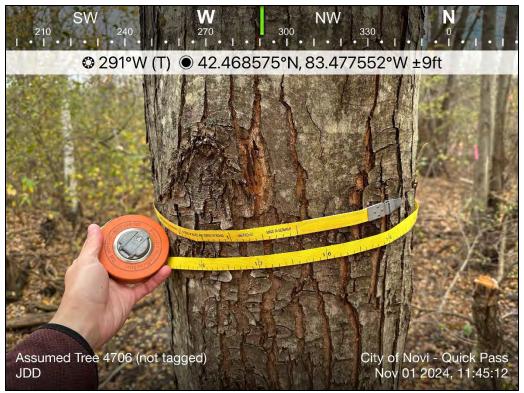


Assumed Tree 4704 with no tag (~14-inch Ulmus americana).



Assumed Tree 4705 with no tag (dual trunk ~9-inch Morus alba).





Assumed Tree 4706 with no tag (~16-inch Acer saccharinum).

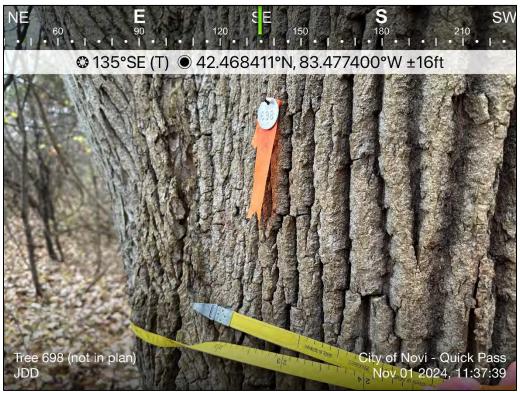


Assumed Tree 4707 with no tag (~9-inch Ailanthus altissima).





Similar to the PSP Review, very few tattered/ripped and unmarked flags were found on the ground from an old delineation.



Tree tag 698 (not in plan) – a dual trunk *Populus deltoides* (~23-inches [photographed] and ~15-inches)



Tree tag 698 (not in plan) – a dual trunk *Populus deltoides* (~23-inches and ~15-inches [photographed])



Overview of the eastern boundary of Wetland A – no new flags were found. The pink flag in the background of the photo represents marking/flagging for the tree survey.



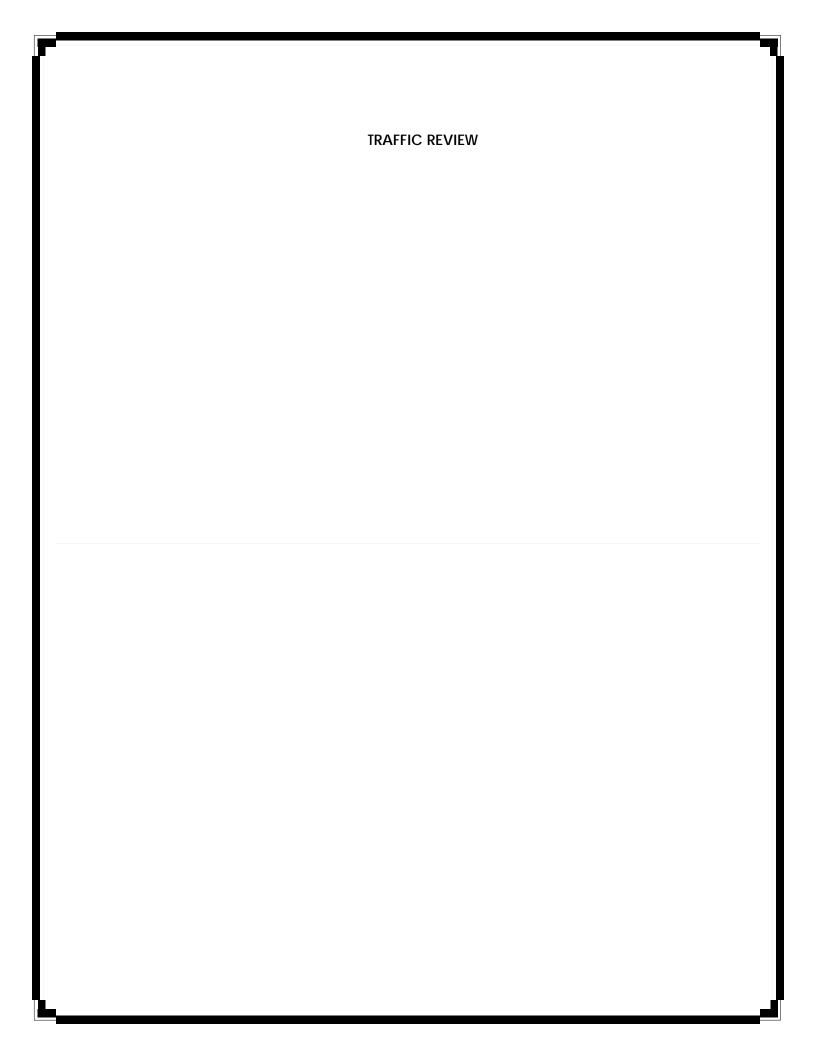
Attachment B City of Novi Tree Replacement Table



City of Novi Woodland Tree Replacement Chart

Section 37-8

Common Name	Species Name
Black Maple	Acer nigrum
Striped Maple	Acer pennsylvanicum
Red Maple	Acer rubrum
Sugar Maple	Acer saccharum
Mountain Maple	Acer spicatum
Ohio Buckeye	Aesculus glabra
Downy Serviceberry	Amelanchier arborea
Smooth Shadbush	Amelanchier laevis
Yellow Birch	Betula alleghaniensis
Paper Birch	Betula papyrifera
American Hornbeam	Carpinus caroliniana
Bitternut Hickory	Carya cordiformis
Pignut Hickory	Carya glabra
Shagbark Hickory	Carya ovata
Northern Hackberry	Celtis occidentalis
Eastern Redbud	Cercis canadensis
Pagoda Dogwood	Cornus alternifolia
Flowering Dogwood	Cornus florida
American Beech	Fagus grandifolia
Thornless Honeylocust	Gleditsia triacanthos inermis
Kentucky Coffeetree	Gymnocladus diocus
Walnut	Juglans nigra or Juglans cinerea
Eastern Larch	Larix laricina
Tuliptree	Liriodendron tulipfera
Tupelo	Nyssa sylvatica
American Hophornbeam	Ostrya virginiana
White Spruce (1.5:1 ratio) (6' ht.)	Picea glauca
Black Spruce (1.5:1 ratio) (6' ht.)	Picea mariana
Red Pine (1.5:1 ration) (6' ht.)	Pinus resinosa
White Pine (1.5:1 ratio) (6' ht.)	Pinus strobus
American Sycamore	Platanus occidentalis
Black Cherry	Prunus serotina
White Oak	Quercus alba
Swamp White Oak	Quercus bicolor
Scarlet Oak	Quercus coccinea
Shingle Oak	Quercus imbricaria
Burr Oak	Quercus macrocarpa
Chinkapin Oak	Quercus muehlenbergii
Red Oak	Quercus rubra
Black Oak	Quercus velutina
American Basswood	Tilia americana





To:

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

CC:

Lindsay Bell, Humna Anjum, Diana Shanahan, Adam Yako. Dan Commer AECOM 39575 Lewis Dr, Ste. 400 Novi MI, 48377 USA aecom.com

Project name:

JSP24-13 – Quick Pass Car Wash Revised Preliminary Traffic Review

From: AECOM

Date:

November 6, 2024

Memo

Subject: JSP24-13 - Quick Pass Car Wash Revised Preliminary Traffic Review

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

GENERAL COMMENTS

- 1. The applicant, Novi Road Management, is proposing a single tunnel car wash on a site that eventually will also contain a retail building and two additional building pads for fast-food restaurants. The comments provided pertain to the proposed car wash.
- 2. The development is located on the west side of Novi Road, north of Ten Mile Road. Novi Road is under the jurisdiction of the Road Commission for Oakland County.
- 3. The site is zoned B-3 (General Business).
- 4. There following traffic related deviations are required:
 - a. Below standard for same side and opposite side driveway spacing.

TRAFFIC IMPACTS

1. AECOM performed an initial trip generation based on the ITE Trip Generation Manual, 11th Edition, as follows.

ITE Code: 948 – Automated Car Wash, (Other conceptual future development not considered) Development-specific Quantity: 1 Tunnel, Dimensions not provided for future buildings

Zoning Change: N/A

Trip Generation Summary	Estimated Trips	Estimated Peak- Direction Trips	City of Novi Threshold	Above Threshold?
Saturday Peak-Hour Trips	41	22	100	No
PM Peak-Hour Trips	78	39	100	No
Daily (One-Directional) Trips	N/A	-	750	No

 The City of Novi generally requires a traffic impact study/statement if the number of trips generated by the proposed development exceeds the City's threshold of more than 750 trips per day or 100 trips per either the AM or PM peak hour, or if the project meets other specified criteria.

Trip Impact Study Recommendation				
Type of Study: Justification				
None (with Automated Car Wash only)				
	However, the Site is expected to generate trips over the City of Novi threshold values with all future conceptual developments shown in the site plan.			

TRAFFIC REVIEW

The following table identifies the aspects of the plan that were reviewed. Items marked O are listed in the City's Code of Ordinances. Items marked with ZO are listed in the City's Zoning Ordinance. Items marked with ADA are listed in the Americans with Disabilities Act. Items marked with MMUTCD are listed in the Michigan Manual on Uniform Traffic Control Devices.

The values in the 'Compliance' column read as 'met' for plan provision meeting the standard it refers to, 'not met' stands for provision not meeting the standard and 'inconclusive' indicates applicant to provide data or information for review and 'NA' stands for not applicable for subject Project. The 'remarks' column covers any comments reviewer has and/or 'requested/required variance' and 'potential variance'. A potential variance indicates a variance that will be required if modifications are not made or further information provided to show compliance with the standards and ordinances. The applicant should put effort into complying with the standards; the variances should be the last resort after all avenues for complying have been exhausted. Indication of a potential variance does not imply support unless explicitly stated.

EXT	EXTERNAL SITE ACCESS AND OPERATIONS				
No.	Item	Proposed	Compliance	Remarks	
1	Driveway Radii O <u>Figure IX.3</u>	25'	Met		
2	Driveway Width O Figure IX.3	28'	Met		
3	Driveway Taper O Figure IX.11	-	N/A		
3a	Taper length	-	N/A		
3b	Tangent	-	N/A		
4	Emergency Access O <u>11-</u> <u>194.a.19</u>	2 Access Points	Met	1 access point is to the northern property that is not yet developed. See Fire review for approval.	
5	Driveway sight distance O Figure VIII-E	Indicated exceeds standard	Met		
6	Driveway spacing				
6a	Same-side O <u>11.216.d.1.d</u>	129'	Not Met	230' required for 45 mph. Proposed driveway slightly south of existing driveway to be removed. Variance required.	
6b	Opposite side O <u>11.216.d.1.e</u>	24' and 86.4'	Not Met	Proposed driveway slightly south of existing driveway, now located between 2 opposite driveways. Variance required.	

EXT	EXTERNAL SITE ACCESS AND OPERATIONS				
No.	Item	Proposed	Compliance	Remarks	
7	External coordination (Road agency)	RCOC coordination required	Met	The applicant acknowledged that MOT for entrance work on Novi Road will be provided to RCOC for approval/permit.	
8	External Sidewalk Master Plan & EDM	5'	Met	Matching existing sidewalk width.	
9	Sidewalk Ramps EDM 7.4 & R- 28-K	Indicated	Partially Met	Update detail R-28-J to latest R-28-K in future submittal.	
10	Any Other Comments:				

INTE	RNAL SITE OPERATIONS			
No.	Item	Proposed	Compliance	Remarks
11	Loading zone <u>ZO 5.4</u>	40' x 10'	Met	
12	Trash receptacle <u>ZO 5.4.4</u>	Provided on NW side of site	Met	
13	Emergency Vehicle Access	Provided,	Met	
14	Maneuvering Lane <u>ZO 5.3.2</u>	24', 27.5', 28'	Met	
15	End islands <u>ZO 5.3.12</u>			
15a	Adjacent to a travel way	Dimensioned	Met	
15b	Internal to parking bays	-	N/A	
16	Parking spaces ZO 5.2.12			See Planning review letter.
17	Adjacent parking spaces ZO 5.5.3.C.ii.i	<15 spaces with no island	Met	
18	Parking space length ZO 5.3.2	17' and 23' parallel parking	Met	
19	Parking space Width <u>ZO</u> <u>5.3.2</u>	12.5' and 9' parallel spaces	Met	
20	Parking space front curb height ZO 5.3.2	6"	Partially Met	6" curb proposed for all curb, in front of 17' spaces, 4" curb is required with 2' overhang.
21	Accessible parking – number ADA	1 provided	Met	
22	Accessible parking – size ADA	15.75' x 17', no aisle	Partially Met	No proposed aisle.
23	Number of Van-accessible space ADA	Not indicated, 1 required	Not Met	The one proposed accessible space provided is not van accessible.
24	Bicycle parking			
24a	Requirement ZO 5.16.1	3 proposed, 2 required	Met	
24b	Location <u>ZO 5.16.1</u>	Indicated	Met	
24c	Clear path from Street ZO 5.16.1	5'	Not Met	6' clear path from street is required.

INTE	RNAL SITE OPERATIONS			
No.	Item	Proposed	Compliance	Remarks
24d	Height of rack <u>ZO 5.16.5.B</u>	3'	Met	
24e	Other (Covered / Layout) ZO 5.16.1	Provided	Partially Met	Update layout based on new standard in Text Amendment 18.301.
25	Sidewalk – min 5' wide Master Plan	5'	Met	
26	Sidewalk ramps EDM 7.4 & R-28-K	None proposed	Not Met	The applicant should provide ramps at the sidewalk crossing at the pass-by exit from the car wash.
27	Sidewalk – distance back of curb EDM 7.4	No offset along parking	Met	
28	Cul-De-Sac O Figure VIII-F	-	N/A	
29	EyeBrow O Figure VIII-G	-	N/A	
30	Drive Through <u>ZO 5.3</u>	25' stacking spaces, 17' x 9' stacking space, centerline radius not dimensioned	Partially Met	Minimum stacking space length shall be 19' per Zoning Ordinance Section 5.3.11.H. Minimum 25' centerline radius per Section 5.3.11.F.
31	Any Other Comments:			

SIG	SIGNING AND STRIPING				
No.	Item	Proposed	Compliance	Remarks	
32	Signing: Sizes MMUTCD	Indicated	Met		
33	Signing table: quantities and sizes	Provided	Partially Met	"No Parking Fire Lane" and "Van Accessible" sign details shown but not indicated in table or on site plan.	
34	Signs 12" x 18" or smaller in size shall be mounted on a galvanized 2 lb. U-channel post MMUTCD	Indicated	Met		
35	Signs greater than 12" x 18" shall be mounted on a galvanized 3 lb. or greater U-channel post MMUTCD	Indicated	Met		
36	Sign bottom height of 7' from final grade MMUTCD	Indicated	Met		
37	Signing shall be placed 2' from the face of the curb or edge of the nearest sidewalk to the near edge of the sign MMUTCD	Indicated	Met		

SIG	SIGNING AND STRIPING				
No.	Item	Proposed	Compliance	Remarks	
38	FHWA Standard Alphabet series used for all sign language MMUTCD	Indicated	Met		
39	High-Intensity Prismatic (HIP) sheeting to meet FHWA retro- reflectivity MMUTCD	Indicated	Met		
40	Parking space striping notes	Perpendicular space and drive-thru delineation markings not indicated. Accessible parking striping detail does not match what is shown on the site plan for the proposed accessible space.	Not Met	Provide details (color and width) of perpendicular parking space, vacuum parking space and drive-thru delineation striping. Label striping for loading zone.	
41	The international symbol for accessibility pavement markings ADA	Provided	Met		
42	Crosswalk pavement marking detail	None proposed	N/A		
43	Any Other Comments:	Indicate color of proposed arrow pavement markings shown on site plan. Could add a R1-1 stop sign at exit to Novi Road.			

Note: Hyperlinks to the standards and Ordinances are for reference purposes only, the applicant and City of Novi to ensure referring to the latest standards and Ordinances in its entirety.

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

Sincerely,

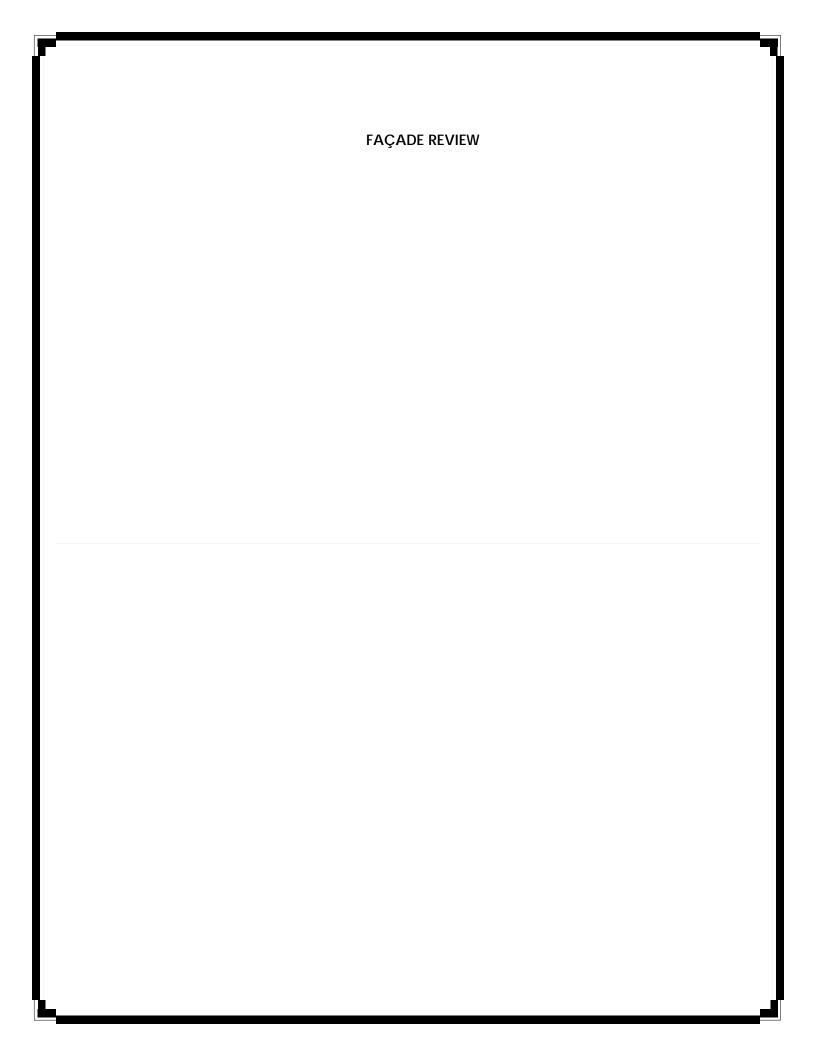
AECOM

Paula K. Johnson, PE Senior Transportation Engineer

Paula K. Johnson

Saumil Shah, PMP Project Manager

Saumis Shal







February 4, 2025

City of Novi Planning Department 45175 W. 10 Mile Rd. Novi, MI 48375-3024 Façade Review Status: Approved, Full Compliance

Attn: Ms. Barb McBeth

Re: FACADE ORDINANCE REVIEW

Quick Pass Car Wash, PSP24-13, Revision 2 Preliminary Site Plan

Façade Region: 1, Zoning District: B3

Dear Ms. McBeth:

This Facade Review is based on the drawings prepared by Jeffery A Scott Architects, dated 1/15/25. The proposed percentages of materials are as shown in the table below. The maximum (and minimum) percentages of materials required by the Facade Ordinances are shown in the right-hand columns. Materials that are in non-compliance, if any, are highlighted below.

	East (Front)	South	West	North	Ordinance 5.15 Maximum (Minimum)
Brick	55%	45%	64%	64%	100% (30% Min.)
Split Faced CMU	9%	10%	8%	10%	10%
Flat Metal Panel	25%	40%	24%	21%	50%
Coping / Cornice	2%	2%	2%	2%	15%
Flat Metal Accents	9%	3%	9%	3%	50%

In response to prior comments the applicant has revised the façade materials and colors; the C-Brick has been changed to natural clay brick and the accent colors have been reduced in intensity to "Blue Chip SW6959" and "Invigorate" SW6886". All facades are now in full compliance with the Façade Ordinance. A Section 9 Waiver is no longer required for this project.

Notes to the Applicant:

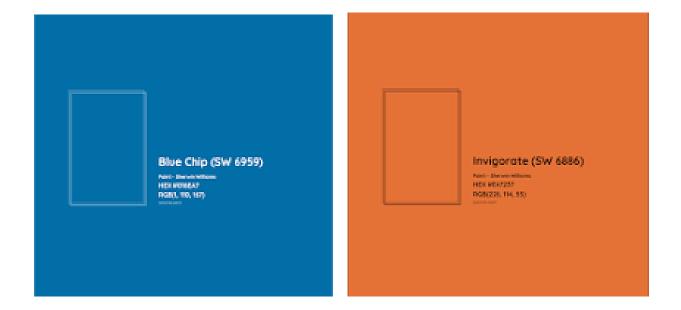
1. Inspections – The Façade Ordinance requires inspection(s) for all projects. Materials displayed on the approved sample board will be compared to materials delivered to the site. It is the applicant's responsibility to request the inspection of each façade material at the appropriate time. Inspections 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".

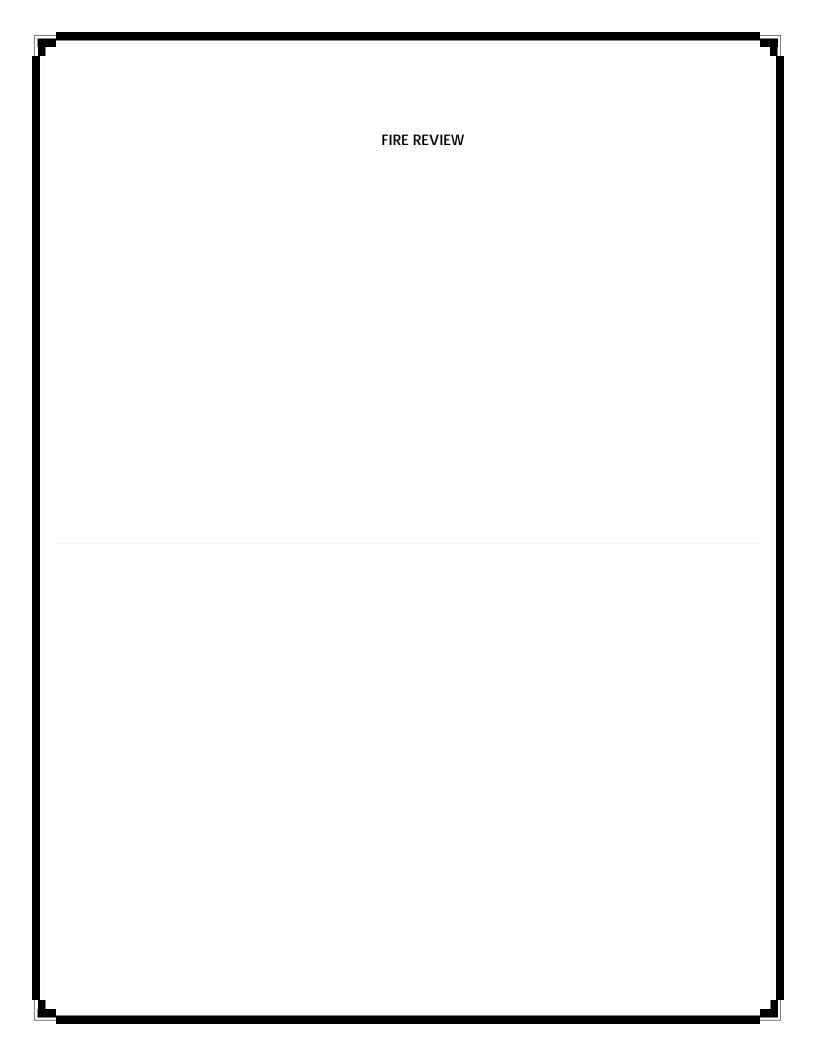
http://www.cityofnovi.org/Services/CommDev/OnlineInspectionPortal.asp.

RTU Screening - It should be noted that all roof top units must be screened from view from all vantage points both on-site and off-site using materials in compliance with the Façade Ordinance.

Sincerely, DRN & Associates, Architects PC

Douglas R. Necci, AIA







CITY COUNCIL

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John B. Martin

Assistant Chief of Police

Scott R. Baetens

Assistant Fire Chief

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

cityofnovi.org

July 10, 2024

TO: Barbara McBeth - City Planner Lindsay Bell - Plan Review Center Heather Zeigler - Plan Review Center Dan Commer - Plan Review Center Diana Shanahan - Planning Assistant

RE: Quick Pass Car Wash

PSP# 24-0037

Project Description:

Build a car wash off Novi Rd.

Comments:

- All fire hydrants MUST be installed and operational prior to any combustible material is brought on site. IFC 2015 3312.1
- For new buildings and existing buildings, you MUST comply with the International Fire Code Section 510 for Emergency Radio Coverage. This shall be completed by the time the final inspection of the fire alarm and fire suppression permits.
- All fire apparatus access roads (public and private) with a dead-end drive in excess of one hundred fifty (150) feet shall be designed with a turn-around designed in accordance with Figure VIII-I or a cul-de-sac designed in accordance with Figure VIII-F. (D.C.S. Sec 11-194 (a)(20))
- The ability to serve at least two thousand (2,000) gallons per minute in single-family detached residential; three thousand (3,000) gallons per school areas; and at least four thousand (4,000) gallons per minute in office, industrial and shopping centers is essential.

(D.C.S. Sec.11-68(a))

- Water mains greater than 25', shall be at least 8" in diameter. Shall be put on plans for review. (D.S.C. Sec.11-68(C)(1)(c)
- Hydrants shall be spaced approximately three hundred (300) feet apart online in commercial, industrial, and multiple-residential areas. In cases where the buildings within developments are fully fire suppressed, hydrants shall be no more than five hundred (500) feet apart. The spacing of hydrants around commercial and/or industrial developments shall be considered as individual cases where special circumstances exist upon consultation with the fire chief. (D.C.S. Sec. 11-68 (f)(1)c). From existing hydrant on Novi Rd. to proposed hydrant off the temporary access/turn around road is approx. 660'.

- If a new building is more than 175 feet from a public fire hydrant, a hydrant shall be provided ten (10) to fifteen (15) feet off the right side of the drive entrance as recommended by the Fire Chief or his designee. (D.C.S. Sec. 101-68 (f)(1)h.)
- Water mains and fire hydrants shall be installed prior to construction above the foundation. Note this on all plans.
- Watermain sizes shall be put on the site plans for review.
- 503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities supporting thirty-five (35) tons.

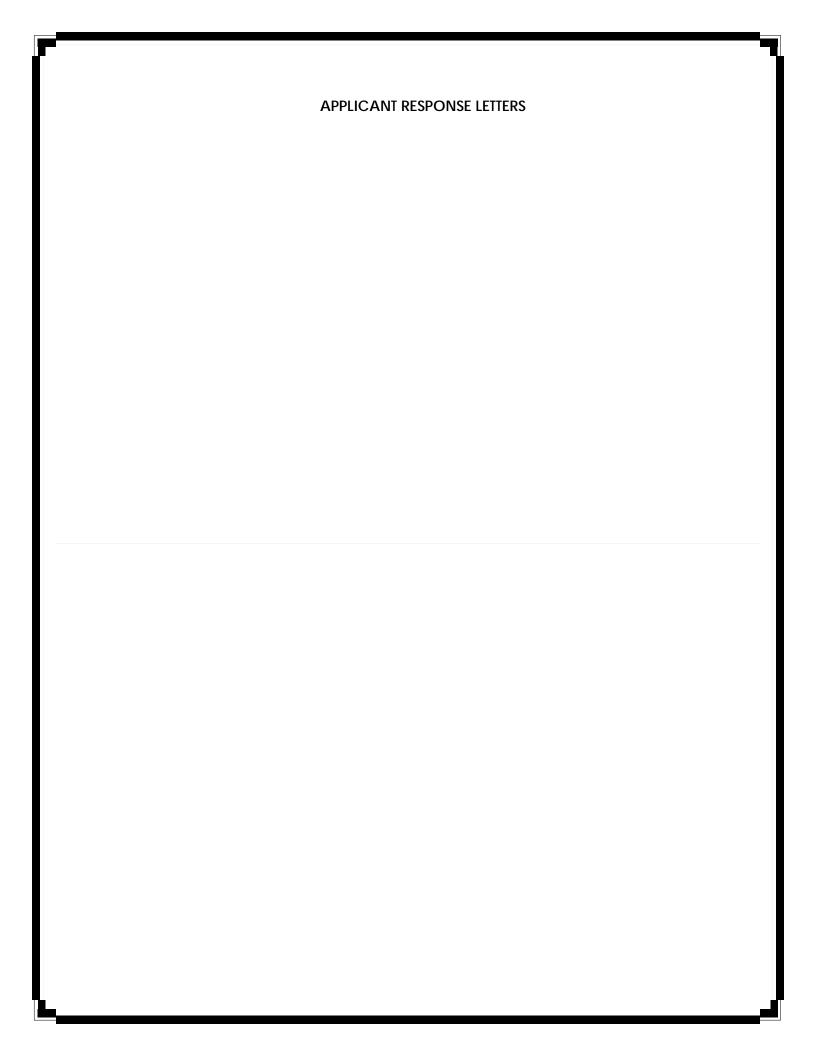
Recommendation:

Approved with conditions

Sincerely,

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

cc: file



PROJECT: Quick Pass Car Wash ARCHITECTS PROJECT

24555 Novi Rd. **NO.** 22162

22-22-400-010

Architect: Jeffery A Scott Architects (attn: Marsha Horning) **DATE:** January 15, 2025

32316 Grand River Ave, Suite 200 Farmington, Michigan 48336

Below are responses to comments from the Plan Review Center Report dated July 19, 2024.

ITEM NO. 2 -

Truck Well (Sec. 3.10.1.A): No truck well, loading dock, overhead door, or other type of service bay door shall face a major thoroughfare, nor an abutting residential district. The entrance overhead door to the car wash on the east side is facing Novi Road. This will require a variance from the Zoning Board of Appeals.

The Owners will seek a variance from the zoning board of appeals. There are at least ten (10) businesses with overhead doors that front major thoroughfares within two miles of 24555 Novi Road. See attached .pdf.

FAÇADE REVIEW -

Façade Review: Façade is not recommending approval at this time. A Section 9 Waiver is not recommended. Please see Façade review for revisions to make within the next submittal.

The material that was previously called out as C-Brick has been revised to clay-fired brick in a light gray color. As there are no color limitations for clay-fired brick, we should now be in compliance with the zoning ordinance for our material percentages.

The color selections for orange and blue metal trim have been revised. The selections shown on A200 are part of the brand identity and match the colors in the main sign, but are less bold than the physical samples provided at the previous meeting. We believe the colors are complimentary to the overall aesthetic of the building and would not detract from the neighboring properties.

The vacuum canopies with correct colors are shown on sheet A-500. A rendering of the rear of the property has been added to better depict the vacuum stations which sit behind the building.

51147 W. Pontiac Trail Wixom, MI 48393 Office: (248) 668-0700 Fax: (248) 668-0701

December 4, 2024

Lindsay Bell, AICP Senior Planner City of Novi – Planning Department 47175 10 Mile Road Novi, MI 48375

For: Quick Pass Car Wash

24555 Novi Road, Novi Parcel ID: 22-22-400-010

Dear Lindsay:

Please find this letter in response to the November 13 review package. The responses outlined in this letter will be included as part of all future submittals for this site as applicable.

Our responses to the review letters are as follows:

Plan Review Center Report dated November 13, 2024:

Ordinance Requirements:

- 1. Wetland Boundary Verification: The flagged border of wetlands conditions associated with historical retention pond has been added to the plans. This area was flagged by Barr & Associates. The wetland boundaries have been added to the plan prior to final site plan submittal
- 2. *Truck Well:* The linear layout of the building and use requires an overhead door to face Novi Road. We kindly request the opportunity to present our layout to the ZBA for a variance request.
- 3. *Drive Thru:* The proposed layout which includes three drive up pay attendant lanes which is similar to the configuration in the applicant's other car wash facilities in southeast Michigan. The applicant feels comfortable that one of the lanes can also function as a pass through lane. The car wash employees are trained specific procedures to allow members to pass by the pay attendant lanes in the event they decide they do not want a wash. They are also trained the procedures to follow in the event of an emergency. In addition, there is a bypass lane to exit the line immediately prior to entering the tunnel wash. This is typically blocked off with cones which are easily moved in the event a member decides to exit the lane prior to entering the tunnel wash. We kindly request the opportunity to present our layout to the ZBA for a variance to this requirement.
- 4. Sidewalks: Comment Noted
- 5. Noise Impact Statement: Comment Noted

- 6. Exterior Lighting: A photometric plan and exterior lighting details will be provided at the time of final site plan submittal.
- 7. *Bike Parking Layout:* We will the update the bike parking layout as part of the final site plan.
- 8. *Property Split:* All references to the future development area will be removed from the final site plan submittal.
- 9. Signage: A sign permit will be submitted under separate cover.
- 10. *Planning Chart:* See our responses to the signage chart comments further down in this response letter:

Other Reviews:

- A. Comment Noted
- B. Comment Noted.
- C. Comment Noted.
- D. Comment Noted.
- E. Comment Noted. We have reviewed the conditions and will comply as part of the final site plan submittal
- F. Comment Noted. See the project architects response attached.

Revised Preliminary Site Plan

Comment Noted

Zoning Board of Appeals

We humbly request to be placed on an agenda for in our request to the Zoning Board of appeals for the building entrance on the front side of the building, and the reduction of the pass through lane.

Final Site Plan

Comment Noted

Electronic Stamping Sets

Comment Noted

Stamping Set Approval

Comment Noted

Pre-Construction Meeting;

Comment Noted

Planning Review Chart dated November 7, 2024:

Zoning and Use Requirements

- Master Plan Comment Noted
- Zoning Comment Noted

- *Uses Permitted* We will remove all references to the future development as part of the final site plan submittal.
- Auto Wash Comment Noted

B-3 Business District Required Conditions

Truck Well: We humbly request to be placed on the next available ZBA agenda to present our application for a variance to allow for the overhead door to be placed on the east side of the building.

Height, Bulk, Density, and area limitations

We will remove all references to the future development as part of the final site plan submittal.

Access to Major Thoroughfare

Comment Noted

Building Height

Comment Noted

Building Setbacks

The building setbacks will be indicated on the final site plan submittal set.

Parking Setback

The parking setback dimensions will be indicated on the final site plan submittal set.

Note to District Standards

Exterior Side Yard Abutting a Street

Comment Noted

Minimum Lot Area

Comment Noted

Off-Street Parking in Front Yard

Comment Noted

Wetland/Watercourse Setback

See our responses below

Parking Setback Screening

See our responses below

Modifications of Parking Setback Requirements

Comment Noted

Parking, Loading, and Dumpster Requirements

AutoWash

Comment Noted

Parking Space Dimensions and Maneuvering Lanes
Comment Noted

Emergency Access

Comment Noted

Parking Stall Located Adjacent to a parking lot entrance Comment Noted

End Islands

Comment Noted: See our comments below.

Barrier Free Spaces

Comment Noted

Barrier Free Space Dimensions

The barrier free space dimensions will be added to the final site plan submittal package

Barrier Free Signs

Comment Noted

Minimum number of Bicycle Parking

Comment Noted

Bicycle Parking General Requirements

Comment Noted

Bicycle Parking Lot Layout

The bicycle parking lot layout dimensions will be revised as part of the final site plan submittal package.

Loading Spaces

Comment Noted

Dumpster

Comment Noted

Dumpster Enclosure

Comment Noted

Outdoor Vacuums

The vacuum details will be provided in color as part of the final site plan submittal package

Vacuum Enclosure

See the architects response in the façade review comments

Drive Through Lanes
Comment Noted

Drive-Through Lanes, Setback
Comment Noted

Drive-Through Lanes, Bypass

As described above, the proposed layout which includes three drive up pay attendant lanes which is similar to the configuration in the applicant's other car wash facilities in southeast Michigan. The applicant feels comfortable that one of the lanes can also function as a pass through lane. The car wash employees are trained specific procedures to allow members to pass by the pay attendant lanes in the event they decide they do not want a wash. They are also trained the procedures to follow in the event of an emergency. In addition, there is a bypass lane to exit the line immediately prior to entering the tunnel wash. This is typically blocked off with cones which are easily moved in the event a member decides to exit the lane prior to entering the tunnel wash. As indicated on the site plan, the proposed pay station lanes do not block assess to parking. We kindly request the opportunity to present our layout to the ZBA for a variance to this requirement.

Width & Centerline Radius of Drive through Lanes

A space will be dimensioned on the final site plan submittal package.

Drive Through Lane Delineated
Comment Noted

Drive Through Staking Spaces Comment Noted

Additional Road Design, Building Setback, and Parking Setback Requirements

Road Standards

Comment Noted

Major Drives

Comment Noted

Minor Drive

Comment Noted

Parking on Major and Minor Drives

Comment Noted

Lighting and Other Equipment Requirements

Exterior Lighting

A photometric plan will be submitted as part of the Final Site Plan submittal package

Root Top Equipment and Wall mounted Utility Equipment
Comment Noted

Root Top Appurtenances Screening
Comment Noted

Noise Specifications
Comment Noted

Sidewalk Requirements

Sidewalks

Comment Noted.

Pedestrian Connectivity
Comment Noted

Building Code and Other Design Standard Requirements

Design and Construction Stds Manual
Comment Noted

General Layout

Comment Noted

Economic Impact

Comment Noted

Other Permits and Approvals

Development/Business Sign

The applicant will be applying for site signage under separate cover

Development and Street Names

Comment Noted

Property Split

Comment Noted

Conservation Easements

There are no conservation easements proposed at this time.

Lighting and Photometric Plan

All Comments: A photometric plan will be submitted with the final site plan.

Engineering Review dated November 13, 2024:

Project Summary

General

- 1. The City's standard detail sheets will be included with the stamping sets
- 2. Comment Noted
- 3. The sight distance information will be clarified as part of the final site plan submittal.
- 4. Comment Noted
- 5. The proposed traffic control plan will be submitted with the final site plan submittal
- 6. A material quantity table will be provided as part of the final site plan submittal.
- 7. A utility crossing table will be added to the final site plan once the final engineering for the site has been completed.
- 8. A dewatering note will be included in the final site plan submittal.
- 9. The tree protection fence will be included in the final site plan submittal package.
- 10. The tributary areas will be further illustrated as part of the final site plan submittal package.
- 11. A detailed demolition plan will be included as part of the final site plan submittal package.

Water Main

- 12. The final site plan will be updated to include two water main taps if the proposed loop extension exceeds 800 feet.
- 13. Water modeling calculations will be provided as part of the final site plan submittal.
- 14. Profiles for all proposed water main 8" & larger will be profiled as part of the final engineering/stamping sets.
- 15. Comment Noted. All valves for 8" water main will be placed in wells as part of the stamping sets.
- 16. The note will be added to the final Site Plan submittal.
- 17. Upon completion of the detailed engineering plans, sealed plan sets will be submitted to the city for review and submittal to EGLE

Irrigation

- 18. Irrigation plans will be provided as part of the final engineering plan/stamping sets if proposed.
- 19. Comment Noted. This will be addressed as part of the final site plan submittal package.
- 20. It is anticipated that the irrigation system will be connected to the city water system.

Sanitary Sewer

- 21. A access easement will be modified as part of the final site plan submittal package.
- 22. A sanitary sewer basis of design will be revised as part of the final site plan submittal package. At this time, we do not know the type of use for any future development area.
- 23. Utility crossings will be provided as part of the stamping sets.
- 24. We will provide an EGLE application and sets as we near completion of the final engineering design and stamping sets.

Storm Sewer

25-39 We will address each of the listed items as part of the final engineering design / stamping sets.

Storm Water Management Plan

40-54 We will address each of the listed items as part of the final engineering design / stamping sets.

Paving & Grading

55-80 We will be applying for a Soil Erosion Permit when as we complete the final engineering design.

Soil Erosion and Sediment Control

- 81 All soil erosion control comments will be incorporated into the final engineering design / stamping sets.
- 82 Comment Noted. We will be submitting stamping sets once we complete the final engineering design.
- We will provide an itemized cost opinion when we complete the final engineering design.

Preliminary Site Plan – Landscaping Review dated November 4, 2024:

Comment Noted: The landscape plans will be modified to reflect any changes that are made with the final engineering and final site plan sets.

Landscaping Review Summary Chart dated November 4, 2024:

Comment Noted: The landscape plans will be modified to reflect any changes that are made with the final engineering and final site plan sets.

Woodlands Review dated November 4, 2024:

Comment Noted. We will make all applicable plan changes that come up as part of the detailed engineering / stamping set preparation and final site plan submittal.

Wetland Review dated November 4, 2024:

Comment Noted. We will make all applicable plan changes that come up as part of the detailed engineering / stamping set preparation and final site plan submittal. We will have the wetland limits field delineated prior to final site plan submittal. In addition, we are anticipating a wetland permit will be required from both EGLE and the City of Novi as part of the final site engineering approval and Stamping Sets.

Traffic Review dated November 6, 2024:

Comment Noted: We will address all comments included in the Traffic Consultants letter as part of the final site plan submittal.

Façade Review dated November 1, 2024:

See the attached separate response letter from Jeffrey Scott & Associates.

On behalf of the applicant and based on the above description and attachments, we kindly request positive consideration for Preliminary Site Plan by the City of Novi on this matter.

If you have any questions, please do not hesitate to contact me.

Sincerely,

GreenTech Engineering, Inc.

Nam I | Lellani

Daniel J. LeClair, PE, PS

President

Attachments

PROJECT: Ouick Pass Car Wash ARCHITECTS PROJECT

24555 Novi Rd. **NO.** 22162

22-22-400-010

Architect: Jeffery A Scott Architects (attn: Marsha Horning) **DATE:** November 27, 2024

32316 Grand River Ave, Suite 200 Farmington, Michigan 48336

Below are responses to comments from the Plan Review Center Report dated July 19, 2024.

ITEM NO. 2 –

Truck Well (Sec. 3.10.1.A): No truck well, loading dock, overhead door, or other type of service bay door shall face a major thoroughfare, nor an abutting residential district. The entrance overhead door to the car wash on the east side is facing Novi Road. This will require a variance from the Zoning Board of Appeals.

The Owners will seek a variance from the zoning board of appeals. There are at least ten (10) businesses with overhead doors that front major thoroughfares within two miles of 24555 Novi Road. See attached .pdf.

FAÇADE REVIEW –

Façade Review: Façade is not recommending approval at this time. A Section 9 Waiver is not recommended. Please see Façade review for revisions to make within the next submittal.

In pre-review discussions with the city's façade consultant, the Owners were told that there was a precedent for C-Brick (half-high block) to be counted as 'brick' in the city's material percentage requirements. Natural colors and a variation in tone were the prerequisites given that would allow a C-Brick assembly to qualify as 'brick.' The Owners have chosen a mix of three beige C-Brick colors that have a natural color and would create a variation in tone. The façade review comments were that the C-Brick proposed does not have "rich dark earth-toned hues consistent with red bodies fired clay brick," which was not the Owner's understanding of the precedent provided by the façade consultant.

If nominal-size brick is used, it can potentially be any color, as none is defined in the zoning ordinance, yet if C-Brick is to qualify as brick, it must be red. It is the Owners'

contention that since they have selected C-Brick that has natural beige colors and a variation in tone, it would resemble a very common style and color of brick, even though it is not red. Full C-Brick sample boards will be brought to the meeting to demonstrate the actual proposed materials and colors.

The "Laughing Orange SW6895" and "Blue Plate SW 6796" are part of the brand identity and match the colors in the main sign. We believe the colors are complimentary to the overall aesthetic of the building and would not detract from the neighboring properties.

The vacuum canopies with correct colors are shown on sheet A-500. A rendering of the rear of the property has been added to better depict the vacuum stations which sit behind the building.



Street-Fronting Overhead Doors in Novi (Within 2 Miles of 24555 Novi Road)



42975 Grand River Ave



42409 Grand River Ave

Street-Fronting Overhead Doors in Novi



41425 W 10 Mile Rd



40380 Grand River Ave

Street-Fronting Overhead Doors in Novi



21470 Novi Rd



44305 Grand River Ave

Street-Fronting Overhead Doors in Novi



44467 Grand River Ave



45105 Grand River Ave

Street-Fronting Overhead Doors in Novi

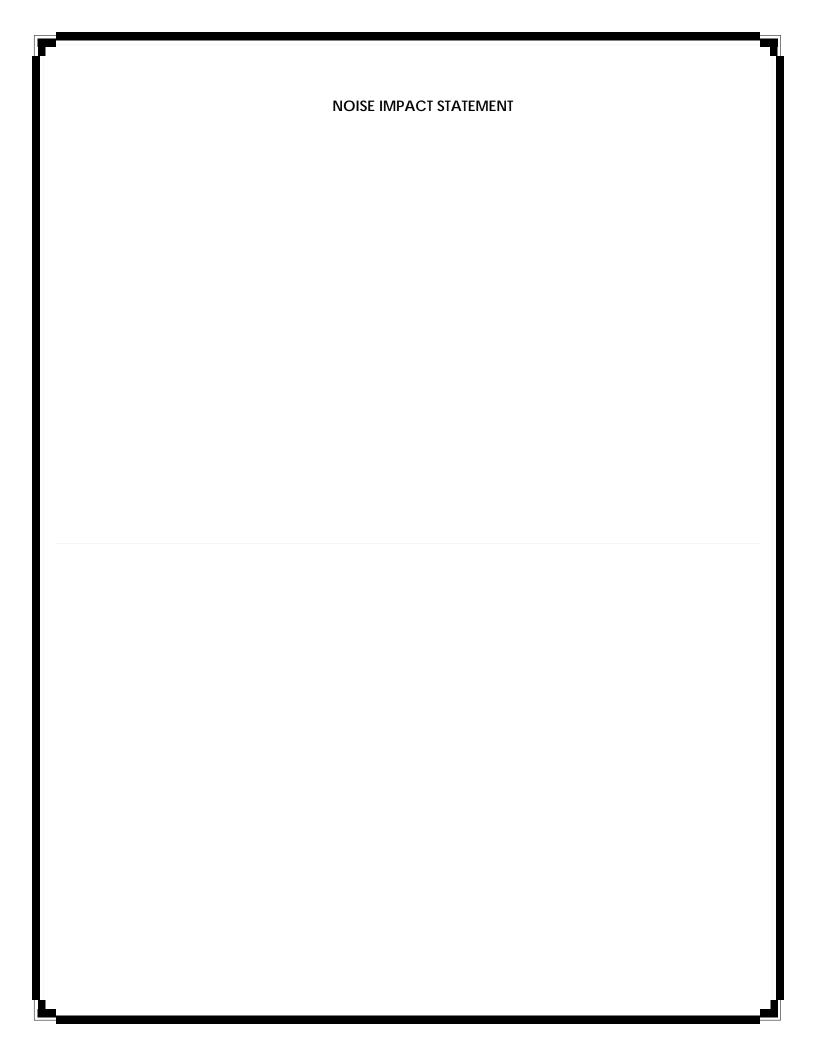


26123 Novi Rd



21510 Novi Rd

Street-Fronting Overhead Doors in Novi



PROJECT: Ouick Pass Car Wash ARCHITECTS PROJECT

24555 Novi Rd. **NO.** 22162

22-22-400-010

Architect: Jeffery A Scott Architects (attn: Marsha Horning) **DATE:** October 10, 2024

32316 Grand River Ave, Suite 200

Farmington, Michigan 48336

Below are responses to comments from the Plan Review Center Report dated July 19, 2024.

ITEM NO. 2 -

Truck Well (Sec. 3.10.1.A): No truck well, loading dock, overhead door, or other type of service bay door shall face a major thoroughfare, nor an abutting residential district. The entrance overhead door to the car wash on the east side is facing Novi Road. This will require a variance from the Zoning Board of Appeals.

The Owners will seek a variance from the zoning board of appeals. There are at least ten (10) businesses with overhead doors that front major thoroughfares within two miles of 24555 Novi Road. See attached .pdf.

ITEM NO. 5 -

Noise Impact Statement (Sec. 5.14.10): For the outdoor vacuum stations, please provide a noise analysis to determine compliance with the Performance Standards of the Zoning Ordinance.

Vacuum decibels are rated 64db measured at 30' from the source. The closest vacuums to a property line are over 50'. The decibel level is within both the maximum night time level and maximum daytime level listed in Table 5.14.10.A.ii. Please see attached .pdf for referenced decibel chart and comparable noise levels of everyday activities.



FAÇADE REVIEW -

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