



JAX KAR WASH PRO JZ24-02

JZ24-02 JAX KAR WASH PRO PLAN WITH REZONING 18.744

Public hearing at the request of Jax Kar Wash for initial submittal and eligibility discussion for a Zoning Map Amendment from Regional Center (RC) to General Business (B-3) with a Planned Rezoning Overlay. The subject site is approximately 1.8-acres of the larger 64-acre parcel containing the Fountain Walk commercial center and is located east of Cabaret Drive, south of Twelve Mile Road (Section 15). The applicant is proposing to develop an enclosed car wash tunnel building with exterior vacuum spaces, which is not a permitted use in the RC District.

REQUIRED ACTION

Discussion of the initial submittal and eligibility of the rezoning request from Regional Center (RC) and to General Business (B-3) with a Planned Rezoning Overlay.

REVIEW	RESULT	DATE	COMMENTS
Planning	Concerns Noted	3-18-24	<ul style="list-style-type: none"> • Proposed district not consistent with Future Land Use Map • Lack of Public Benefits offered • Deviation for overhead door facing a major thoroughfare • Deviation for dumpster location in the front setback • Deviation for exceeding 3000K Correlated Color Temperature lighting standard
Engineering	No Significant Concerns	3-19-24	<ul style="list-style-type: none"> • Items to be addressed on subsequent submittals
Landscaping	Concerns Noted	3-6-24	<ul style="list-style-type: none"> • Deviation for deficiency in accessway perimeter landscaping
Wetlands	NA		<ul style="list-style-type: none"> • No Wetlands present
Woodlands	NA		<ul style="list-style-type: none"> • No Regulated Woodlands present
Traffic	No Significant Concerns	3-13-24	<ul style="list-style-type: none"> • Deviation required for lack of a loading zone • Items to be addressed in Site Plan submittals
Façade	No Significant Concerns	3-5-24	<ul style="list-style-type: none"> • Minor Section 9 waivers recommended for overages of Horizontal Lap Siding and Asphalt Shingles
Fire	No Significant Concerns	3-1-24	<ul style="list-style-type: none"> • Items to be addressed on subsequent submittals

Planning Commission's opportunity to Comment on the request (No Motion Needed)

The Planning Commission is invited to provide comment on the initial submittal and eligibility of the proposal to rezone the subject property from Regional Center (RC) to General Business (B-3) with a Planned Rezoning Overlay Plan. Planning Commission members may offer feedback for the applicant to consider that would be an enhancement to the project and surrounding area, including suggesting site-specific conditions, revisions to the plans or the deviations requested, and other impressions.

As stated in the amended PRO Ordinance,

In order to be eligible for the proposal and review of a rezoning with PRO, an applicant must propose a rezoning of property to a new zoning district classification, and must, as part of such proposal, propose clearly-identified site-specific conditions relating to the proposed improvements that,

- (1) are in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district, including such regulations or conditions as set forth in Subsection C below; and*
- (2) constitute an overall benefit to the public that outweighs any material detriments or that could not otherwise be accomplished without the proposed rezoning.*

[\(See Full text of Ordinance Amendment, including Subsection C\)](#)

PART 1: Summary of possible conditions that may be considered to meet the standard of clearly-identified site-specific conditions that are more strict or limiting than the regulations that would apply to the land under the proposed new zoning district:

1. The use shall be limited to a car wash. No other uses permitted in the B-3 District would be allowed on this site.
2. The building height will be 24.5 feet, which is more limiting than the 30 feet allowed in the B-3 District.
3. The building setbacks will exceed the B-3 requirements on all sides. Front and exterior side yards are 68-88 ft (30 ft required) and interior side yards are 54- to 138-feet (15 ft required).
4. The façade ordinance requires a minimum of 30% brick on all elevations. The proposed building exceeds this requirement with 49.6 to 59.9%.

PART 2: Summary of features that may be considered to meet the standard of constituting an overall benefit to the public that outweighs any material detriments or that could not otherwise be accomplished without the proposed rezoning:

1. The applicant's response letter indicates they are proposing to fund the cost of rebuilding and refurbishing the teen center area of the Novi Public Library. The library's director indicates the total project cost is \$54,040. **Planning staff does not believe that this is an appropriate public benefit. The proposed payment is unrelated to the project, or the effects of the project, and would not fall within any of the contemplated**

descriptions of a benefit. The City has previously declined other offers of this kind in connection with zoning approvals.

2. The applicant makes the case that developing a vacant parcel is the benefit of this proposal. The parcel has remained undeveloped since Fountain Walk was developed 22 years ago. They state the continued success of Fountain Walk is a public benefit to the city.

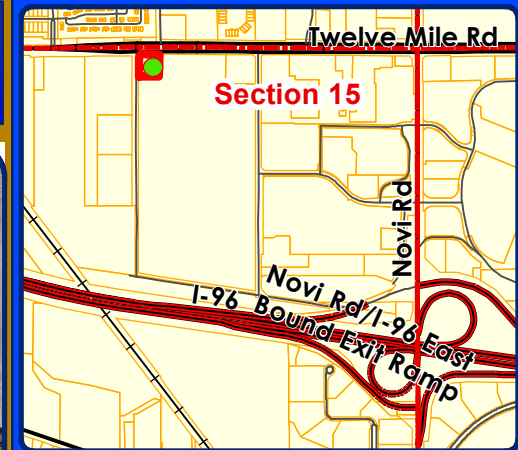
DEVIATIONS

The proposed PRO Concept Plan includes the following ordinance deviation requests:

1. Overhead Door (Sec. 3.10.1.A): In the B-3 District, no overhead door or other type of service bay door is permitted to face a major thoroughfare. A deviation would be required for the car wash tunnel door facing Twelve Mile Road. **The corner lot location makes it necessary for an overhead door to face one of the frontages.**
2. Parking Setback (Sec. 3.1.24.D): The existing parking spaces east of the proposed lot line would require a deviation from 10-foot setback (0 feet proposed). **Unclear if this deviation can be included in the PRO Agreement for off-site parcel. Zoning Board of Appeals may need to approve the variance request.**
3. Existing Building Setback (Sec. 3.1.24.D): The existing building (Buddy's Restaurant space) southeast of the proposed lot line may require a deviation from 100-foot setback from the proposed lot line. **Unclear if this deviation can be included in the PRO Agreement for off-site parcel. Zoning Board of Appeals may need to approve the variance request. Applicant shall provide a dimension to verify proposed setback.**
4. Dumpster (Sec. 4.19.2.F): The current location of the dumpster in front of the building would require a deviation. **As stated in the applicant's response letter, the dumpster will be moved to be behind the building, which will meet the ordinance requirement and remove the need for a deviation.**
5. Loading-Unloading Zone (Sec. 5.4.2): Deviation would be required for the lack of a loading zone. **The applicant states the car wash use does not have a specific need for a loading/unloading area.**
6. Parking Lot Landscaping (Section 5.5.3.C): Deviation would be required for not providing the required number of accessway perimeter trees. **The deviation is not supported by staff, unless the applicant can provide sufficient justification for the deficiency. The applicant's response letter states the two existing utility easements do not permit the planting of landscaping in those easement areas.**
7. Correlated Color Temperature (Section 5.7.3.F): Deviation may be required for exceeding 3000K Correlated Color Temperature (4000K proposed) for permanent lighting installations. **The applicant's response letter states this standard will be revised on future submittals, and no deviation is requested.**
8. Section 9 Waiver (Section 5.15): Proposed elevations of the building have an overage of Horizontal lap siding (8-10% proposed, 0% minimum required) and an overage of Asphalt Shingles (31-36% proposed, 25% maximum allowed). **In this case the deviations are not detrimental to the overall design of the building, and consistent with the intent and purpose of the Ordinance.**

MAPS
Location
Zoning
Future Land Use
Natural Features

JAX KAR WASH LOCATION




LEGEND


 Subject Property

CITY OF NOVI

 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: 3/18/24
 Project: JAX KAR WASH
 Version #: 1

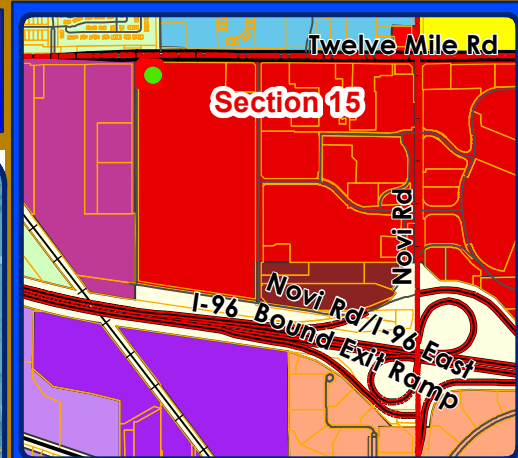
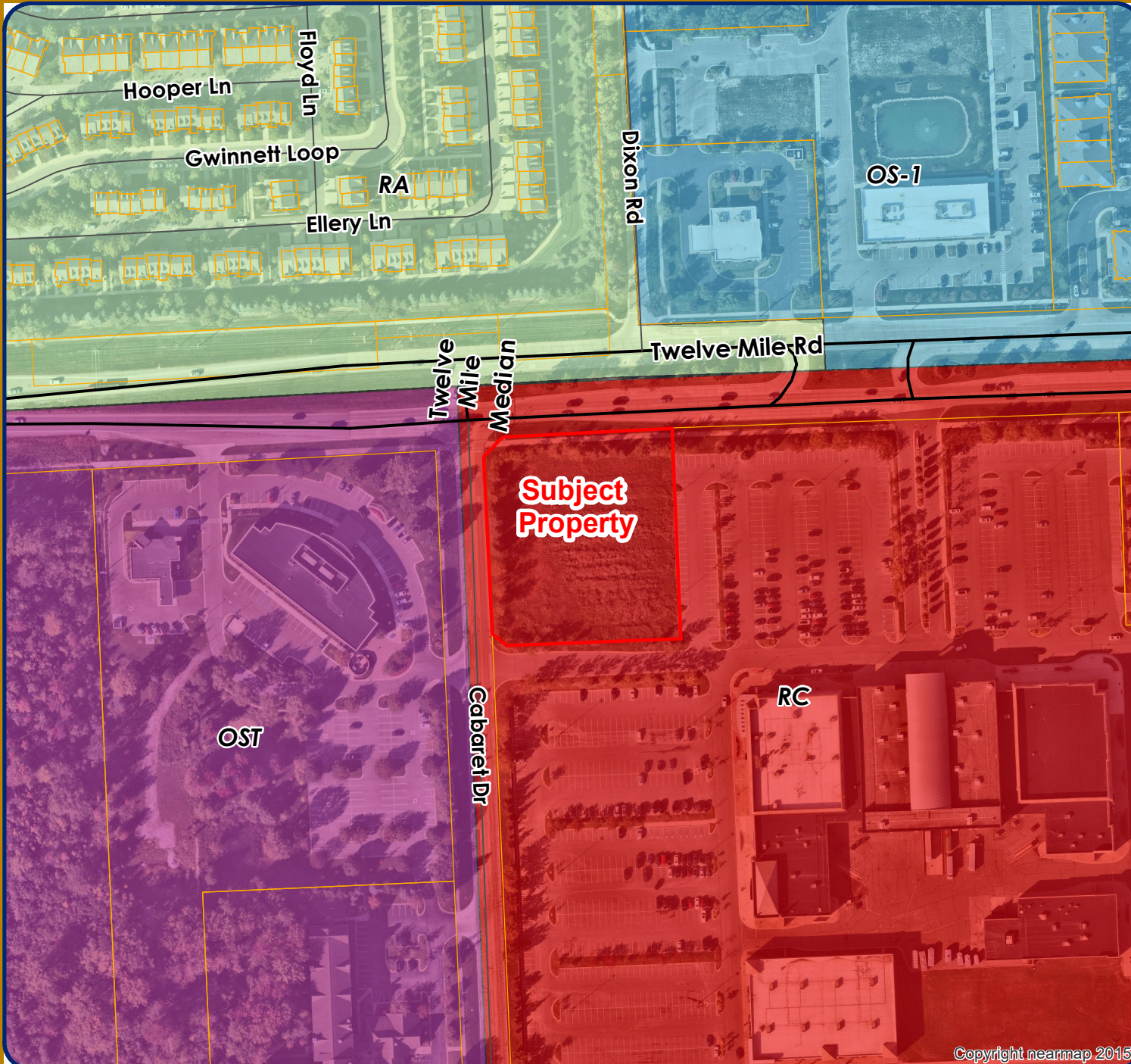
0 35 70 140 210 Feet

 1 inch = 167 feet



MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

JAX KAR WASH ZONING



LEGEND

- R-A: Residential Acreage
- R-4: One-Family Residential District
- B-3: General Business District
- C: Conference District
- I-1: Light Industrial District
- I-2: General Industrial District
- OS-1: Office Service District
- OST: Office Service Technology
- RC: Regional Center District
- TC: Town Center District
- Subject Property



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: 3/18/24
 Project: JAX KAR WASH
 Version #: 1

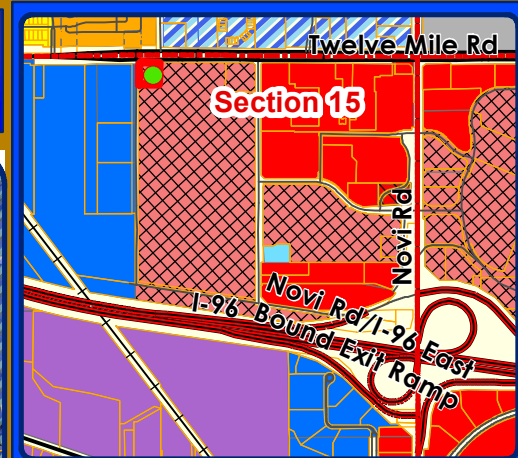


MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

JAX KAR WASH

FUTURE LAND USE



LEGEND

- Single Family
- Multiple-Family Residential
- Community Office
- Office, Research, Development and Technology
- Industrial, Research, Development and Technology
- Regional Commercial
- Town Center Commercial
- Town Center Gateway
- Public
- Cemetery
- Subject Property

CITY OF NOVI
 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: 3/18/24
 Project: JAX KAR WASH
 Version #: 1

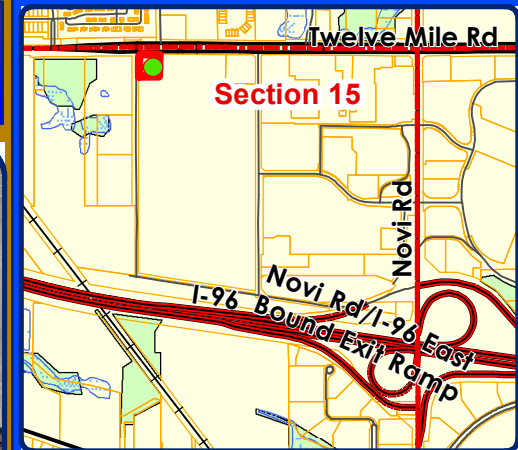
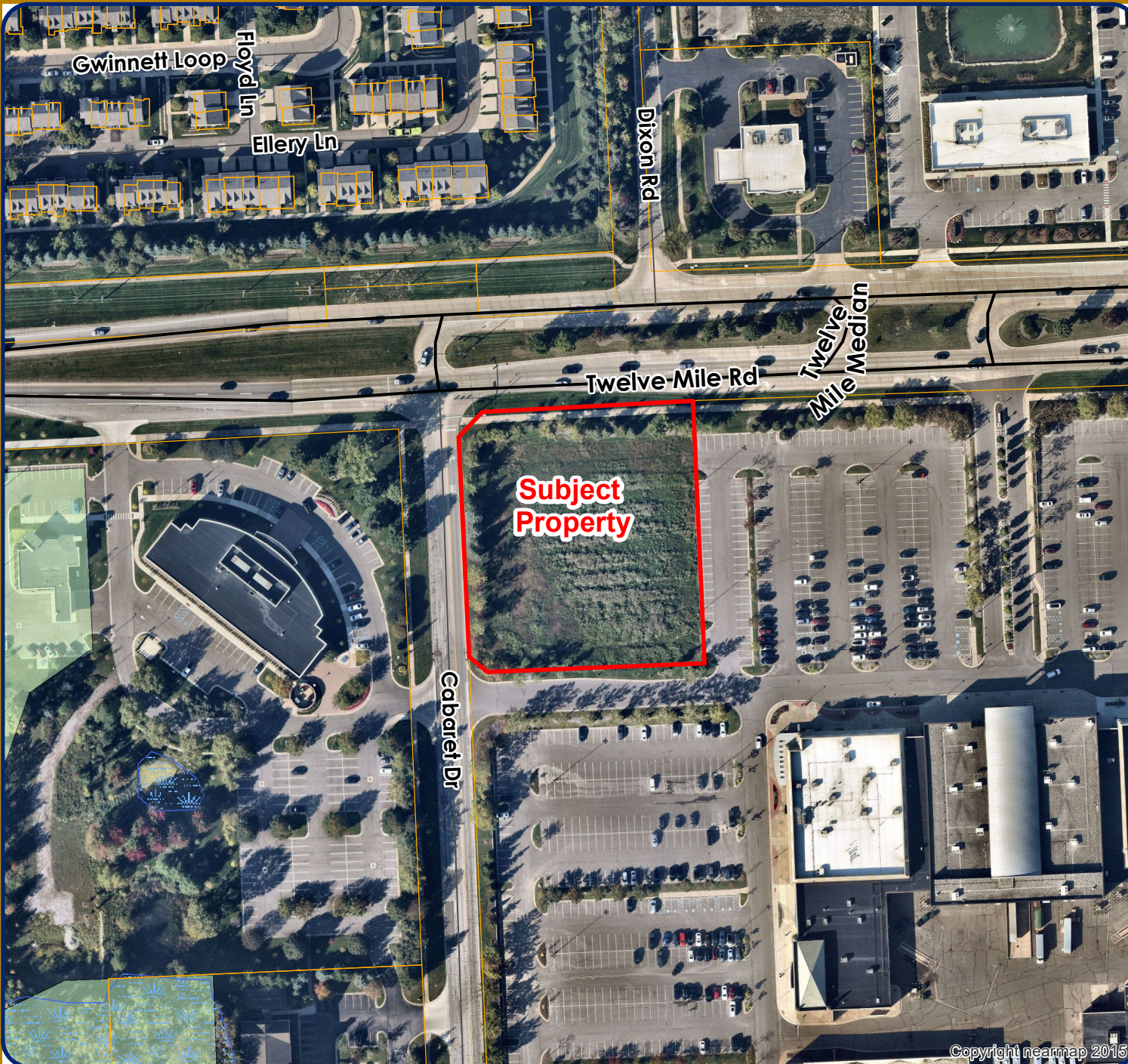
0 45 90 180 270 Feet
 1 inch = 208 feet

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

JAX KAR WASH

NATURAL FEATURES



LEGEND

-  WETLANDS
-  WOODLANDS
-  Subject Property



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: 3/18/24
 Project: JAX KAR WASH
 Version #: 1



1 inch = 167 feet



MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

INITIAL PRO CONCEPT PLAN
February 27, 2024

PRELIMINARY SITE PLANS

JAX KAR WASH

44175 WEST 12 MILE ROAD
CITY OF NOVI, OAKLAND COUNTY, MICHIGAN



PERMIT / APPROVAL SUMMARY		
DATE SUBMITTED	DATE APPROVED	PERMIT / APPROVAL
2/9/2024		SITE PLAN APPROVAL



INDEX OF DRAWINGS	
NUMBER	TITLE
	COVER SHEET
C-1.0	TOPOGRAPHIC SURVEY
C-3.0	PRELIMINARY SITE PLAN
C-4.0	PRELIMINARY GRADING PLAN
C-5.0	EROSION CONTROL PLAN
C-6.0	PRELIMINARY UTILITY PLAN
C-9.0	NOTES AND DETAILS
C-9.1	ADS DETAILS
C-9.2	ADS DETAILS
C-9.3	RAMP DETAILS
L-1.0	PRELIMINARY LANDSCAPE PLAN
L-1.1	LANDSCAPE CALCULATIONS
L-2.0	LANDSCAPE DETAILS
T-1.0	TREE PRESERVATION PLAN
PPF-1	OVERALL FLOOR PLAN
PE-1A	BUILDING ELEVATIONS
PE-1B	EXP AND VACUUM ELEVATIONS
1 OF 1	PHOTOMETRIC PLAN

LEGAL DESCRIPTION:
PART OF 50-22-15-200-112
TIN, RBE, SEC 15 PART OF N 1/2 OF SEC. BEG AT PT DIST S 88-35-38 W 1690.26 FT & S 01-53-38 E 380 FT FROM NE SEC COR; TH S 01-53-38 E 2162.77 FT, TH N 83-29-50 W 997.39 FT, TH N 81-25-51 W 236.34 FT, TH N 01-52-22 W 2258.06 FT, TH N 42-38-24 E 38.25 FT, TH N 87-32-34 E 202.19 FT, TH N 88-35-38 E 692.10 FT, TH S 01-24-22 E 309 FT, TH N 88-35-38 E 309.80 FT TO BEG 64.46 A 8-5-15 FR -110

DESIGN TEAM

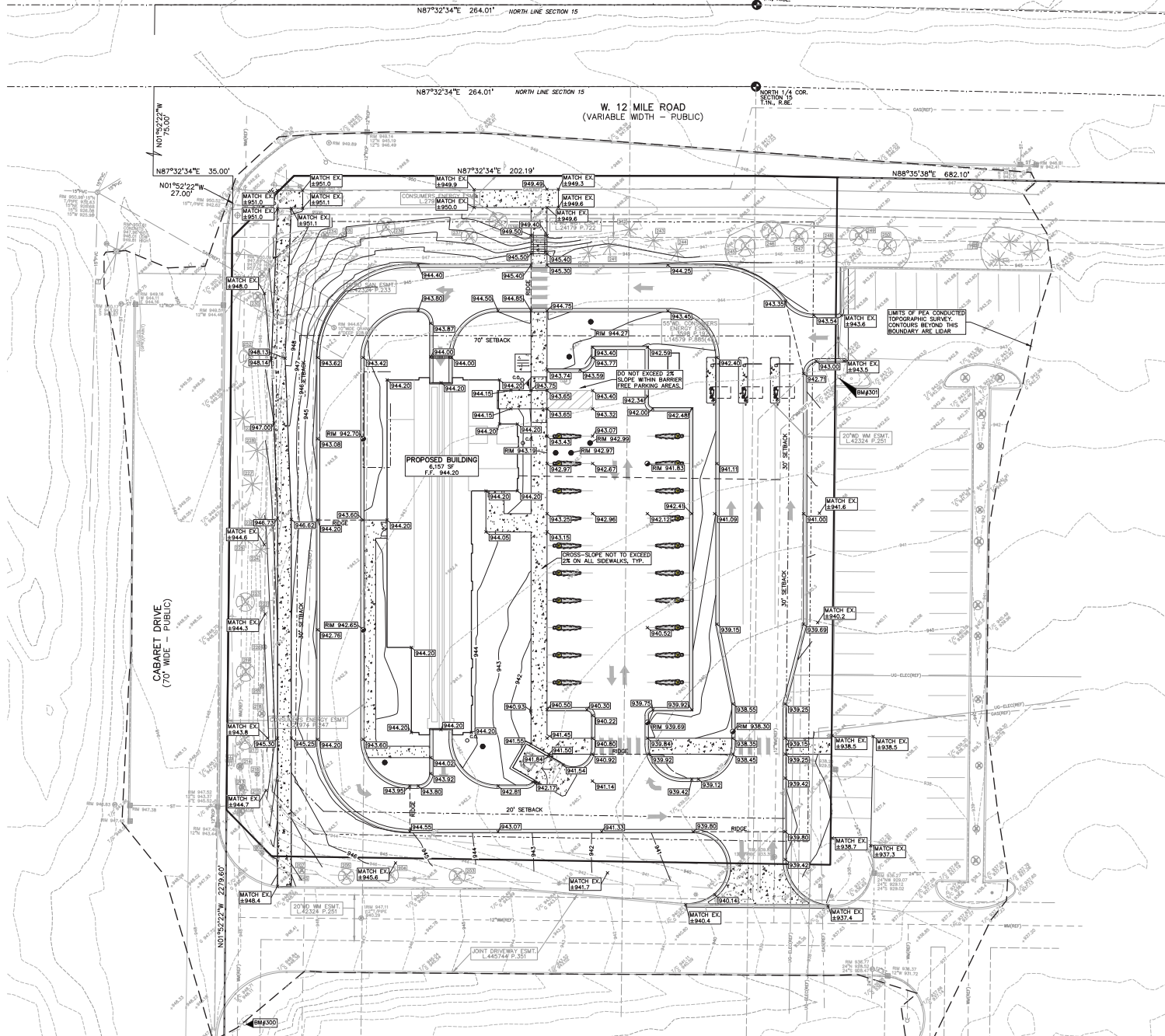
APPLICANT:	CIVIL ENGINEER	CONTRACTOR
JAX KAR WASH 26777 CENTRAL PARK BOULEVARD SUITE 190 SOUTHFIELD, MICHIGAN 48034 CONTACT: TODD GESUND EMAIL: TODD@JAXKARWASH.NET	PEA GROUP 1549 POND RUN AUBURN HILLS, MI 48326 CONTACT: JAMES P. BUTLER, PE PHONE: 844.813.2949 EMAIL: JBUTLER@PEAGROUP.COM	CLUNNINGHAM LMP COMPANY 26720 CABOT DRIVE, SUITE 100 CONTACT: MS. ALYSSA COOK COOKA@CLC.BUILD
ARCHITECT	LANDSCAPE ARCHITECT	
F.A. STUDIO 26281 EVERGREEN ROAD, SUITE 123 SOUTHFIELD, MI 48078 CONTACT: DAVID S. BRINKMEIER, AIA PHONE: 248.619.2354 EMAIL: DBRINKMEIER@FA.STUDIO	PEA GROUP 7627 NEMCO WAY, STE. 115 BRIGHTON, MI 48116 CONTACT: LYNN WHIPPLE, PLA PHONE: 844.813.2949 EMAIL: LWHIPPLE@PEAGROUP.COM	



REVISIONS	
DESCRIPTION	DATE
ORIGINAL ISSUE DATE	2/9/2024



NOT FOR CONSTRUCTION



GRADING LEGEND:

- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION (TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED REVERSE GUTTER PAN
- PROPOSED RIDGE LINE
- PROPOSED SWALE/DITCH

ABBREVIATIONS:

- TIC = TOP OF CURB
- TF = TOP OF FINISH FLOOR
- TIS = TOP OF SIDEWALK
- TW = TOP OF WALL
- BW = BOTTOM OF WALL
- G = GUTTER GRADE
- FF = FINISH FLOOR
- FG = FINISH GRADE
- RM = RIM ELEVATION

REFER TO GRADING NOTES ON SHEET C-9.0

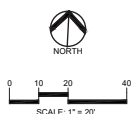
EARTHWORK BALANCING NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

BENCHMARKS
(GPS DERIVED - NAVD88)

BM#300
DIMPLE ON ARROW ON SOUTH SIDE OF HYDRANT, EAST SIDE OF CABARET DR., APPROX. 400' SOUTH OF 12 MILE ROAD. ELEV. - 946.71

BM#301
DIMPLE ON ARROW ON WEST SIDE OF HYDRANT IN PARKING LOT ISLAND, APPROX. 100' SOUTH OF 12 MILE ROAD AND APPROX 270' EAST OF CABARET DR. ELEV. - 950.08



CLIENT
CUNNINGHAM LIMP COMPANY
2076 CABOT DRIVE, SUITE 100
40214

PROJECT TITLE
JAX KAR WASH
4475 WEST 12 MILE ROAD
10216, MICHIGAN

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE:
FEBRUARY 9, 2024

DRAWING TITLE
PRELIMINARY GRADING PLAN

PEA JOB NO. 2023-1246

DESIGNER	DATE	BY
JPE		
KMI		
JPE		

DRAWING NUMBER:

NOT FOR CONSTRUCTION **C-4.0**

\s\projects\2023\2023-1246\2023-1246-02\2023-1246-02-01.dwg (1/18/24) 1:24 PM
 1/18/24 1:24 PM
 1/18/24 1:24 PM



0 10 20 40
SCALE: 1" = 20'



CAUTION!
This drawing contains confidential or otherwise protected information. It is the property of Pea Group, Inc. and is to be used only for the project and location identified herein. If you have received this drawing in error, please notify Pea Group, Inc. immediately. All rights reserved. © 2024 Pea Group, Inc.



CLIENT
CUNNINGHAM LIMP COMPANY
30708 CABOAT DRIVE, SUITE 100
KEOKUK, IA 52002

PROJECT TITLE
JAX KAR WASH
44475 (WEST 12 MILE ROAD)
1630, MISSOURI

REVISIONS

ORIGINAL ISSUE DATE:
FEBRUARY 9, 2024
DRAWING TITLE

EROSION CONTROL PLAN

PEA JOB NO. 2023-1246
P.M. JPB
D.N. KSL
DES. JPB
DRAWING NUMBER:

C-5.0

SYMBOLS: EROSION CONTROL:

(○-2) SILT FENCE
(S-2A) LOW POINT INLET FILTER
(S-3) RYOB INLET FILTER
(S-9) TEMPORARY STONE ACCESS DRIVE
(E-8) EROSION CONTROL BLANKET
(E-7) RRPRAP
(S-4) TEMPORARY SEED AND MULCH (SEE 6.0.2.3.4.1)
REFER TO 6.0.2.3.4.2 SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL DEVICE DETAILS.

EROSION CONTROL QUANTITIES:

SILT FENCE	455 LF
LOW POINT INLET FILTER	10 E.A.
TEMPORARY CONSTRUCTION ACCESS DRIVE	1 E.A.
EROSION CONTROL BLANKETS	467 S.Y.

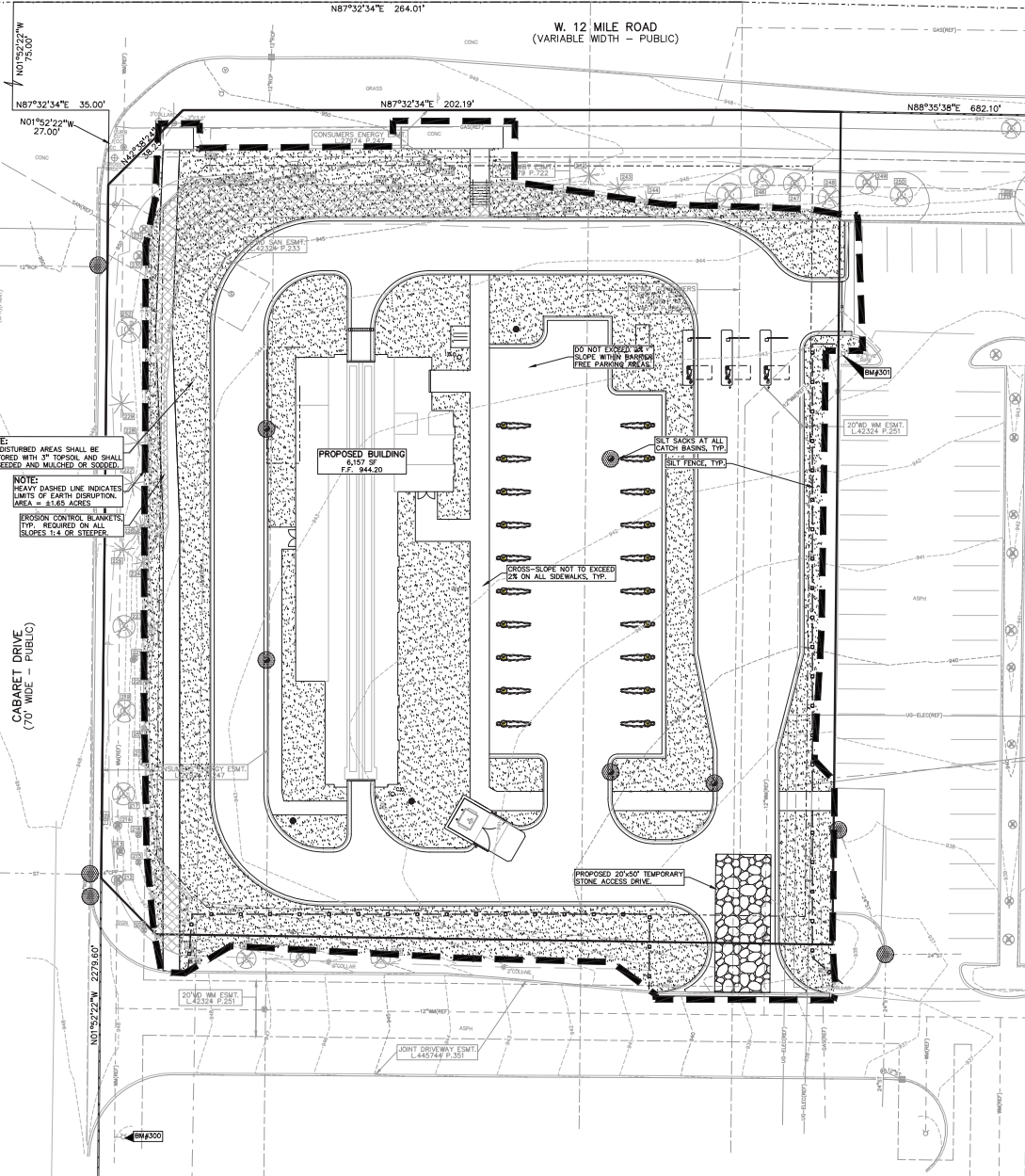
- SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCE OF CONSTRUCTION**
- SEE OHIO COUNTY W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL SOIL EROSION CONTROL RELATED DETAILS.
 - PLACE SILT FENCE & INSTALL INLET FILTERS ON EXISTING STORM SEWER STRUCTURES, ACCORDING TO PLANS.
 - INSTALL TEMPORARY CRUSHED CONCRETE ACCESS DRIVE AT ALL CONSTRUCTION ENTRANCES. (80"x24"x8" W/MINIMUM OF 1"-3" CRUSHED CONCRETE - NO FINES).
 - REMOVE CURB, PAVEMENT, TREES, ETC. AS DIRECTED ON THE DEMOLITION PLAN.
 - STRIP AND STOCKPILE TOPSOIL FOR RESTORATION REQUIREMENTS.
 - DISPOSE OF ALL EXCESS UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO BURN OR BURY PITS ALLOWED.
 - UNUSABLE MATERIALS CONSIST OF, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING: CONCRETE, ASPHALT, TREES, BRUSH, STUMPS, ROOTS, OR OTHER MISCELLANEOUS DEBRIS OR TRASH.
 - MASS GRADE THE SITE IN ACCORDANCE WITH THE PLANS.
 - INSTALL SEED, MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN WITHIN 5 DAYS OF COMPLETION OF MASS GRADING OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. 3"-4" TOPSOIL WILL BE USED WHERE VEGETATION IS REQUIRED.
 - COMPLETE ROUGH GRADING OF SITE AND INSTALL UTILITIES. PLACE INLET FILTERS AT ALL INLETS AND CATCH BASINS, AS SHOWN.
 - FINISH GRADE AND PAVE SITE AS PROPOSED TO DRAIN TO STORM SEWER SYSTEM. REPAIR INLET FILTERS AS REQUIRED.
 - APPLY TOPSOIL, SEED AND MULCH/SOIL TO ALL DISTURBED AREAS UPON COMPLETION OF GRADING. THE CONTRACTOR SHALL STAGE CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE THE EXPOSURE OF UNSTABILIZED AREAS.
 - CLEAN PAVEMENT AND STORM SEWERS. REMOVE SILT FENCE, AND INLET FILTERS ONCE VEGETATION HAS BEEN ESTABLISHED.
 - CLEAN DETENTION BASIN AND OVERFLOW SPILLWAYS AND REPAIR RRPRAP AS NECESSARY.
 - ALL DIRT AND MUD TRACKED ONTO PUBLIC ROADS SHALL BE REMOVED DAILY.
 - STREET CATCH BASINS TO BE PERIODICALLY CLEANED AND FILTER CLOTH CHANGED AND MAINTAINED.

- SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:**
- THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY: TBO
 - IF ANY DAMAGE HAS OCCURRED AS A RESULT OF STORM WATER DISCHARGE FROM THE SITE, THE FOLLOWING STEPS SHALL BE IMPLEMENTED.
 - ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH DAY.
 - ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED BY THE CONTRACTOR DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.
 - SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.
 - INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.
 - CONTRACTOR SHALL PROVIDE WATER TRUCK TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL.
 - IF HIGH GROUNDWATER IS ANTICIPATED OR ENCOUNTERED DURING CONSTRUCTION A DETERMINING PLAN MUST BE SUBMITTED TO THE CITY ENGINEERING DIVISION FOR REVIEW.

SEQUENCE OF CONSTRUCTION:

START DAY	END DAY	DESCRIPTION
1	100	INSTALL CRUSHED CONCRETE ACCESS APPROACH AT SITE ROAD APPROACH.
1	295	INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES, SILT FENCES, INLET PROTECTION, ETC. AS NECESSARY.
1	300	MAINTAIN A 25' BUFFER OF VEGETATION AROUND PERIMETER OF SITE WHERE POSSIBLE.
1	30	REMOVE ALL VEGETATION, TREES AND BRUSH FROM THE PROPOSED CONSTRUCTION AREA UNLESS MARKED TO REMAIN. STRIP AND STOCKPILE TOPSOIL AS REQUIRED FOR RESTORATION. ALL STOCKPILES MUST BE GRADED AND SEEDED.
5	40	REMOVE ALL PAVEMENT, CURBS, UTILITIES, ETC. AS REQUIRED TO INSTALL THE PROPOSED WORK AS SHOWN ON THE TOPOGRAPHIC SURVEY AND DEMOLITION PLAN.
5	40	DISPOSE OF ALL EXCESS/UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO ON-SITE BURN OR BURY PITS ALLOWED.
30	120	ROUGH GRADE SITE. SEED AND MULCH BLANKETS MUST BE INSTALLED AS SHOWN WITHIN 5 DAYS OF FINAL GRADE. REPAIR AND/OR RE-INSTALL ANY TEMPORARY SOIL EROSION CONTROL MEASURES THAT WERE DAMAGED DURING GRADING OPERATIONS.
70	200	INSTALL SITE UTILITIES (STORM SEWER, SANITARY SEWER, WATER MAIN ETC.). INSTALL INLET PROTECTION AT ALL PROPOSED CATCH BASINS.
30	250	TEMPORARY SEEDING MUST BE PROVIDED IN AREAS NOT TO BE WORKED ON FOR 15 DAYS OR LONGER.
50	280	BEGIN CONSTRUCTION OF BUILDING.
150	280	FINISH GRADE SITE AND PREPARE FOR SITE PAVING OPERATIONS.
180	250	INSTALL ALL PAVEMENT, SIDEWALKS, CURBS AS PROPOSED. IF PERMANENT LANDSCAPING IS NOT TO BE INSTALLED SOON AFTER PAVING IS COMPLETE, ALL AREAS WITHIN 20 FEET OF BACK OF CURB MUST BE TEMPORARILY SEEDED. REPAIR INLET PROTECTION, SILT FENCE AND ANY OTHER DAMAGED SOIL EROSION CONTROL MEASURES AS NECESSARY.
250	295	FINAL GRADE, REDISTRIBUTE STOCKPILED TOPSOIL, ESTABLISH VEGETATION AND INSTALL ALL PERMANENT LANDSCAPING IN ALL DISTURBED AREAS NOT BUILT.
295	300	CLEAN PAVEMENT AND REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES. RE-ESTABLISH VEGETATION AS REQUIRED.
300	300	REMOVE SEDIMENTATION CONTROLS ONCE ENTIRE SITE HAS BEEN PERMANENTLY STABILIZED.

NOT FOR CONSTRUCTION



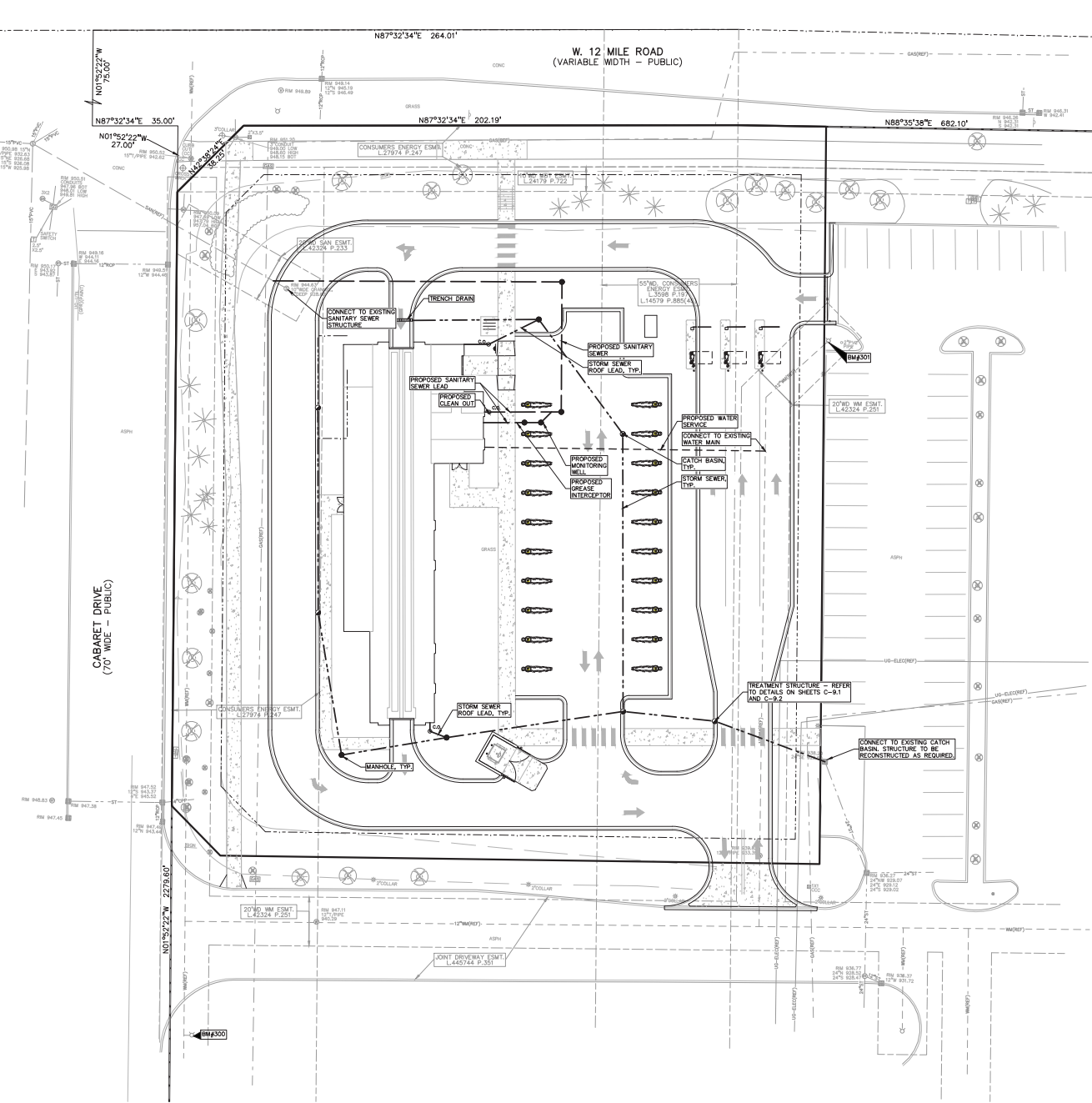
NOTE:
ALL DISTURBED AREAS SHALL BE RESTORED WITH 3" TOPSOIL AND SHALL BE SEEDED AND MULCHED OR STOCKPILED.

NOTE:
HEAVY DASHED LINE INDICATES LIMITS OF EARTH DISRUPTION AREA = 5:1:5 SLOPE.

NOTE:
EROSION CONTROL BLANKETS TYP. REQUIRED ON ALL SLOPES 3:1, 4:1 OR STEEPER.

CABARET DRIVE (70' WIDE - PUBLIC)

W. 12 MILE ROAD (VARIABLE WIDTH - PUBLIC)



CITY OF NOVI STORM SEWER FRAME AND COVER NOTES

- CATCH BASIN, PAVEMENT FRAME, EJ 1040 COVER, TYPE "M"
- CATCH BASIN, 8" OF PAVEMENT FRAME, EJ 1040 COVER, TYPE "M"
- CATCH BASIN, CURB FRAME, EJ 7065 OR 7065 COVER, TYPE "M"
- CATCH BASIN/LET, YARD FRAME, EJ 1040 COVER, TYPE "M"
- MANHOLE FRAME, EJ 1040 COVER, TYPE "W"

UTILITY LEGEND:

- 0— ELEC. POLE & GUY WIRE
- 0— 0— 0— ELEC. CABLE TV & FIBROPTIC
- 0— 0— 0— ELEC. COMMUNICATION LINE, PEDESTAL & MANHOLE
- 0— 0— 0— ELEC. UG. CABLE TV & FIBROPTIC
- 0— 0— 0— ELEC. UG. CABLE TV & FIBROPTIC
- 0— 0— 0— ELEC. UG. MANHOLE, METER & HANDHOLE
- 0— 0— 0— EX. GAS LINE
- 0— 0— 0— EX. GAS VALVE & GAS LINE MARKER
- 0— 0— 0— EX. TRANSFORMER & REGULATION VALVE
- 0— 0— 0— EX. WATER MAIN
- 0— 0— 0— EX. HYDRANT GATE VALVE & POST INDICATOR VALVE
- 0— 0— 0— EX. WATER VALVE BOX & SUMP OFF
- 0— 0— 0— EX. SANITARY SEWER
- 0— 0— 0— EX. SANITARY CLEANOUT & MANHOLE
- 0— 0— 0— EX. COMBINED SEWER MANHOLE
- 0— 0— 0— EX. STORM SEWER
- 0— 0— 0— EX. CLEANOUT & MANHOLE
- 0— 0— 0— EX. SQUARE, ROUND, & BEESMEE CATCH BASIN
- 0— 0— 0— EX. YARD DRAIN & ROOF DRAIN
- 0— 0— 0— EX. UNREINFORCED STRUCTURE
- 0— 0— 0— PROPOSED WATER MAIN
- 0— 0— 0— PROPOSED HYDRANT AND GATE VALVE
- 0— 0— 0— PROPOSED TAPPING SLEEVE, VALVE & WELL
- 0— 0— 0— PROPOSED POST REGULATION VALVE
- 0— 0— 0— PROPOSED SANITARY SEWER
- 0— 0— 0— PROPOSED SANITARY CLEANOUT & MANHOLE
- 0— 0— 0— PROPOSED STORM SEWER
- 0— 0— 0— PROPOSED STORM SEWER CLEANOUT & MANHOLE
- 0— 0— 0— PROPOSED CATCH BASIN, INLET & YARD DRAIN

NOTE:

1. NO CHANGES ARE PROPOSED TO THE EXISTING WATERMAIN AND SANITARY SEWER.
2. CONTRACTOR TO VERIFY ALL QUANTITIES. ANY DEVIATIONS TO THE PLAN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF PEA GROUP FOR VERIFICATION, PRIOR TO BIDDING.

PREMIUM TRENCH BACKFILL NOTE:
ALL UTILITIES UNDER PAVEMENT OR WITHIN 8' OF THE EDGE OF PAVEMENT (OR WITHIN THE 45' LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE M.D.O.T. CLASS 8 GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).

SWM NARRATIVE:
BASED UPON OUR REVIEW OF THE CONSTRUCTION DRAWINGS FOR THE "FOUNTAIN WALK" DEVELOPMENT PREPARED BY GIVE, WE UNDERSTAND THAT THE SUBJECT PARCEL WAS INCLUDED IN THE STORM SEWER DESIGN CALCULATIONS FOR THE ORIGINAL DEVELOPMENT. THE COEFFICIENT OF RUNOFF (C_i) FOR THIS AREA OF THE FOUNTAIN WALK IS LARGER THAN WHAT IS BEING PROPOSED. STORM WATER MANAGEMENT FOR THE ENTIRE FOUNTAIN WALK SITE IS PROVIDED FOR IN A REGIONAL BASIN. FOR THIS PROJECT WE ARE PROPOSING THE INSTALLATION OF A STORM WATER PRE-TREATMENT STRUCTURE PRIOR TO THE DISCHARGE OF STORM WATER INTO THE EXISTING STORM SEWER SYSTEM.



CAUTION:
ALL UTILITIES SHOWN ON THIS PLAN ARE THE PROPERTY OF THE CITY OF NOVI. ANY UNAUTHORIZED ALTERATIONS TO THESE UTILITIES WILL BE AT THE USER'S RISK AND WILL BE SUBJECT TO THE CITY OF NOVI'S LIABILITY POLICY.



CLIENT
CUNNINGHAM LIMP COMPANY
28700 CABOT DRIVE, SUITE 100
NOVI, MI

PROJECT TITLE
JAX KAR WASH
44475 WEST 12 MILE ROAD
NOVI, MICHIGAN

REVISIONS

NO.	DESCRIPTION	DATE

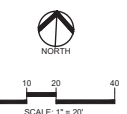
ORIGINAL ISSUE DATE:
FEBRUARY 9, 2024
DRAWING TITLE
PRELIMINARY UTILITY PLAN

PEA JOB NO. 2023-1246

P.M.	JPE
D.N.	KM
D.E.S.	JPE
DRAWING NUMBER	

NOT FOR CONSTRUCTION **C-6.0**

3:\projects\2023\23-1246\23-1246-CD-1246.dwg PLOT DWS:3/7/2024 9:11am



CAUTION!
This drawing is not intended to be used as a legal instrument or as a basis for a lawsuit. It is the property of PEA GROUP and is not to be reproduced without written permission.



CLIENT
CUNNINGHAM LIMP COMPANY
20700 CABOT DRIVE, SUITE 100
NOV, MICHIGAN

PROJECT TITLE
JAX KAR WASH
14475 WEST 12 MILE ROAD
NOV, MICHIGAN

REVISIONS

ORIGINAL ISSUE DATE:
FEBRUARY 9, 2024

DRAWING TITLE
PRELIMINARY LANDSCAPE PLAN

PEA JOB NO. 2023-1246
P.M. JPE
C.N. BE
D.E. JLE
DRAWING NUMBER:

KEY:

- (Symbol with cross) = PROPOSED DECIDUOUS TREE
- (Symbol with solid circle) = FOUNDATION PLANTING TO BE SPECIFIED AT CONSTRUCTION
- (Symbol with diagonal lines) = IRRIGATED SEED LAWN
- (Symbol with wavy lines) = RESTORED LAWN
- (Symbol with circle and cross) = EXISTING TREE/TAG TO REMAIN WITH TREE PROTECTION FENCE

LETTER KEY

- W = R.O.W. TREE
- P = INTERIOR PARKING LOT TREE
- T = PARKING LOT PERIMETER TREE
- A = ACCESSWAY TREE
- R = REPLACEMENT TREE

**SEE L-1.1 FOR LANDSCAPE CALCULATIONS
SEE L-2.0 FOR LANDSCAPE DETAILS
SEE T-1.0 FOR TREE PRESERVATION PLAN**

NOTES PER CITY OF NOVI:

PLANT MATERIAL SHALL NOT BE PLANTED WITHIN 4' OF PROPERTY LINE.

NO TREES SHALL BE PLANTED CLOSER THAN 15' FROM OVERHEAD UTILITY, 10' FROM FIRE HYDRANT, CATCH BASIN OR MANHOLE, 5' FROM UNDERGROUND UTILITIES AND 3' FROM BACK OF CURB.

NO TREE TO BE LOCATED IN FRONT OF ANY SIGN OR BLOCK BUILDING ADDRESS. FIELD ADJUST TREES AS NECESSARY.

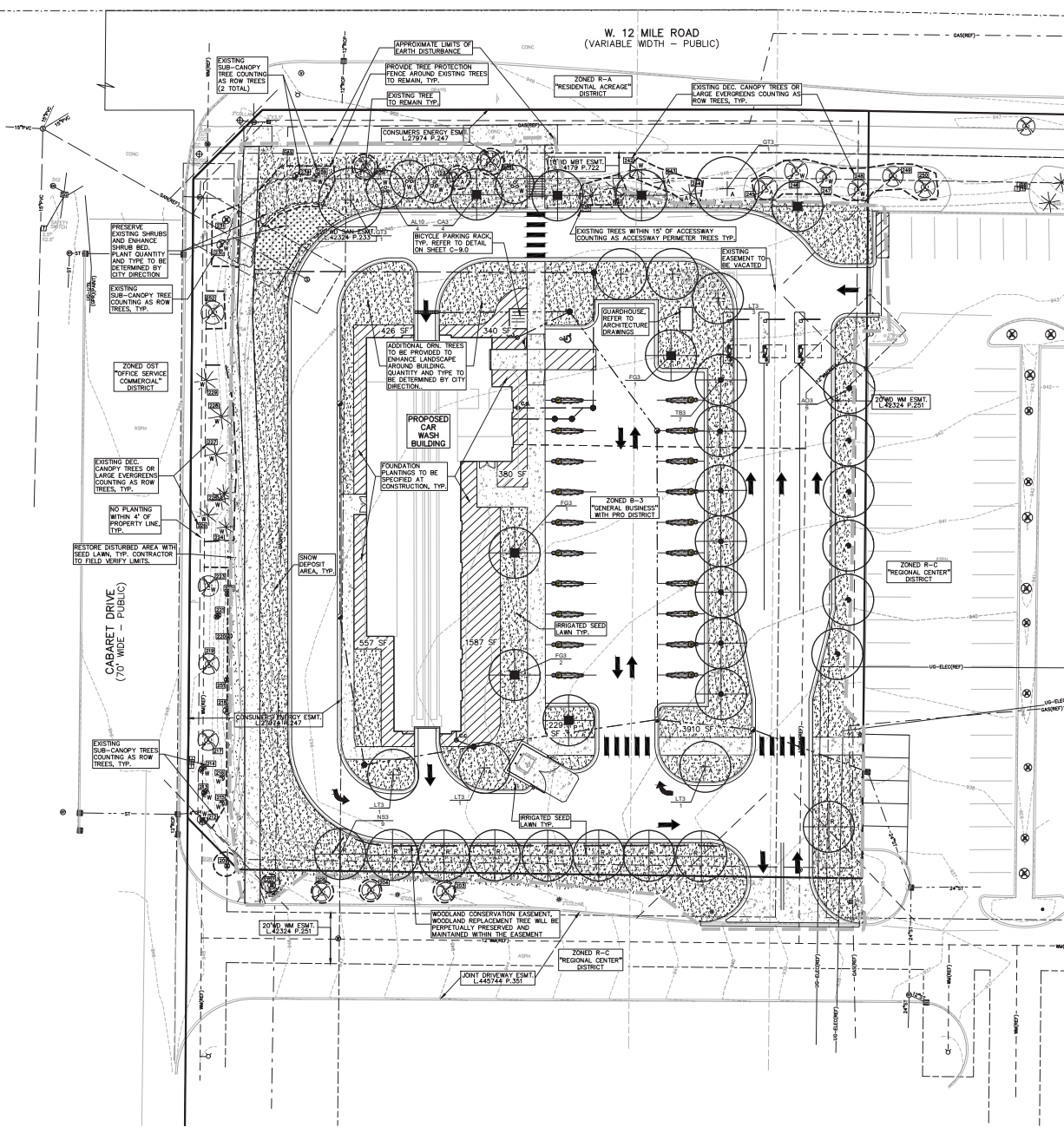
ALL TRANSFORMER AND UTILITY BOXES TO BE SCREENED FOR NOVI CITY DETAIL AND IN THE CASE ADDITIONAL BOXES ARE ADDED TO THE SITE AFTER PLAN APPROVAL.

REPLACEMENT TREES SHALL BE FROM CITY OF NOVI WOODLAND REPLACEMENT CHART FOR ACCEPTABLE NATIVE REPLACEMENT SPECIES.

PLANT SCHEDULE L-1.0

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
DECIDUOUS TREES						
FO3	4	ACER RUBRUM / RED MAPLE	3" CAL.	B&B	PER PLAN	NATIVE
CA3	4	CARPINUS CAROLINIANA / AMERICAN HORNBEEAM	3" CAL.	B&B	PER PLAN	NATIVE
FO3	4	FAGUS GRANDIFOLIA / AMERICAN BEECH	3" CAL.	B&B	PER PLAN	NATIVE
Q13	2	GLEHYSIA TRILICANTHOS INFERMIS 'SHOCKLEY' / SKYLINE HONEY LOCUST	3" CAL.	B&B	PER PLAN	NATIVE
L13	6	LIRIODENDRON TULIPIFERA / TULIP POPLAR	3" CAL.	B&B	PER PLAN	NATIVE
N33	3	NYSSA BIVATRICA / TUPELO	3" CAL.	B&B	PER PLAN	AS REPLACEMENT TREES
T33	7	TILIA AMERICANA 'BOULEVARD' / BOULEVARD AMERICAN LINDBERGH	3" CAL.	B&B	PER PLAN	NATIVE
	38	SUBTOTAL				
ORNAMENTAL TREES						
AL10	4	AMELANCHIER LAEVIS / ALLEGHENY SERVICEBERRY	10" HT.	B&B	PER PLAN	NATIVE
	4	SUBTOTAL				

- CITY OF NOVI LANDSCAPE NOTES:**
1. ALL PLANT MATERIALS ARE TO BE INSTALLED IN A SOUND, WORKMAN-LIKE MANNER AND IN ACCORDANCE WITH THE CURRENT CITY OF NOVI PLANTING REQUIREMENTS.
 2. ALL PLANT MATERIALS SHALL BE INSTALLED BETWEEN MARCH 15TH AND NOVEMBER 15TH.
 3. ALL PLANT MATERIALS ARE TO BE NORTHERN NURSERY GROWN NO. 1 GRADE AND INSTALLED TO ACCEPTED PLANTING PROCEDURES. ALL PLANT MATERIALS SHALL CONFORM TO THE CURRENT AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS FOR NURSERY STOCK. THEY SHALL BE PLANTED ACCORDING TO THE CITY OF NOVI PLANTING DETAILS AND SPECIFICATIONS. THE CITY SHALL HAVE THE RIGHT TO INSPECT THE PLANT MATERIALS PRIOR TO PLANTING AND TO REJECT ANY PLANT MATERIALS DEEMED NOT TO MEET THE STANDARDS OF THE CITY OF NOVI. DOMESTIC ORNAMENTAL OR LANDSCAPE DESIGN MANUAL. ALL TREES SHALL HAVE A CENTRAL LEADER AND A RADIAL BRANCHING STRUCTURE. PARK GRADE TREES ARE NOT ACCEPTABLE. ALL TREES SHALL BE BALLED AND BURLAPED (BAB).
 4. ANY DECIDUOUS CANOPY TREES WITH BRANCHES THAT MIGHT TEND TO DEVELOP INTO "Y" BRANCHES SHALL BE SUBRONATED SO AS NOT TO BECOME DOMINANT BRANCHES.
 5. MULCH SHALL BE NATURAL COLOR, FINELY SPREADED HARDWOOD BARK FOR ALL PLANTINGS. 3" THICK FOR TREES IN A 4 FOOT DIAMETER CIRCLE WITH 3" THICK FOR TREES AND SHRUBS AND 2" THICK FOR PERENNIALS AND BIENNIALS. MULCH SHALL HAVE ROOT BALL DIRT FROM TREES AND ROOT FIBRE.
 6. ALL PLANT MATERIALS SHALL BE WARRANTED FOR TWO (2) FULL YEARS AFTER DATE OF ACCEPTANCE BY THE CITY OF NOVI. ALL UNHEALTHY AND DEAD MATERIAL SHALL BE REPLACED WITHIN THREE (3) MONTHS OF THE NEXT APPROPRIATE PLANTING PERIOD.
 7. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION, INCLUDING WATERING, CULTIVATION, WEED CONTROL AND SOIL ENRICHMENT AS MAY BE NECESSARY.
 8. ANY SUBSTITUTIONS OR DEVIATIONS FROM THE LANDSCAPE PLAN MUST BE APPROVED IN WRITING BY THE CITY OF NOVI PRIOR TO INSTALLATION.
 9. ALL LANDSCAPE AREAS ARE TO BE MAINTAINED IN A HEALTHY GROWING CONDITION FREE OF DEBRIS AND REFUSE AND IN CONFORMANCE WITH THE APPROVED LANDSCAPE PLAN.
 10. CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL FROM THE SITE PRIOR TO FINAL ACCEPTANCE.
 11. PLANT MATERIALS EXCEPT SOIL, GRASSING COVER AND CREEPING VINE TYPE PLANTINGS, SHALL NOT BE LOCATED WITHIN FOUR (4) FEET OF THE PROPERTY LINE.
 12. ALL TRANSFORMERS ARE TO BE SCREENED ON THREE SIDES (MINIMUM) IN ACCORDANCE WITH THE CITY OF NOVI ORDINANCE AND SO AS NOT TO INTERFERE WITH DTE RESTRICTIONS (SEE DETAIL THIS SHEET).
 13. THE OWNER IS RESPONSIBLE FOR REQUEST OF FINAL INSPECTION AND ACCEPTANCE OF THE LANDSCAPE AT THE END OF THE 3-YEAR GUARANTEE PERIOD.
 14. THE PROVIDER OF THE FINANCIAL GUARANTEE FOR THE LANDSCAPE INSTALLATION SHALL BE FULLY RESPONSIBLE FOR COMPLETION OF THE LANDSCAPE INSTALLATION AND MAINTENANCE PER THE APPROVED LANDSCAPE PLAN AND APPLICABLE CITY ORDINANCES.

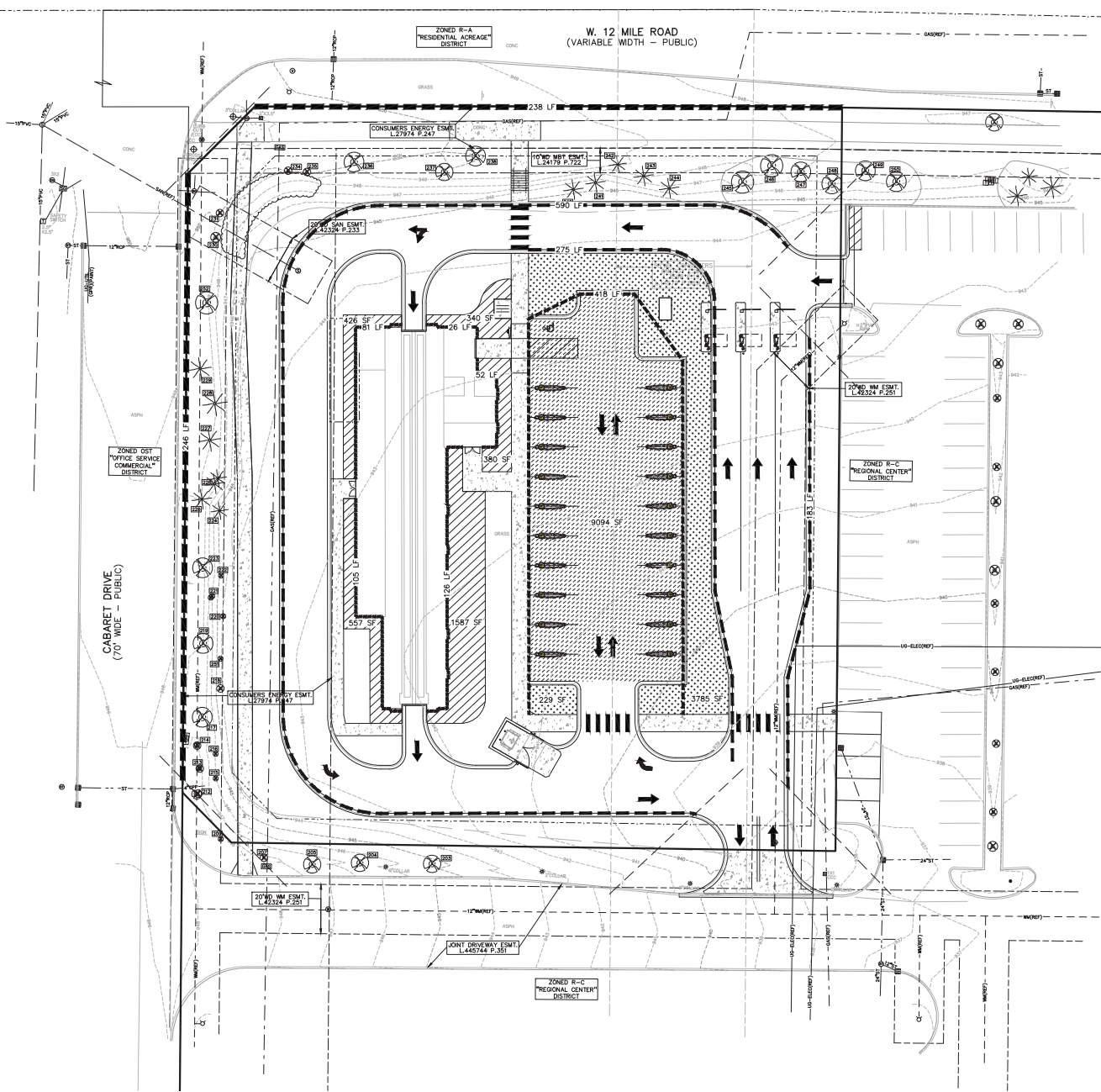


\\net\proj\2023\2023-1246-001-000\DWG\LANDSCAPE\L-1.0_PRELIMINARY.LWG
DATE: 02/09/2024 10:18:56 AM
DRAWN BY: JPE

NOT FOR CONSTRUCTION

L-1.0

\\p01m001\projects\2023\2023-1246-jax-kar-wash\2023-1246-jax-kar-wash-landscape\calc-11-landscape-calcs-11-landscape-calcs-11-landscape-calcs-11.dwg
 2/23/2024 10:58:17 AM
 2/23/2024 10:58:17 AM



LANDSCAPE CALCULATION:
 PER CITY OF NEW ZONING ORDINANCE - ZONED R-C,
 PROPOSED B-3 WITH PROJ. AMENDED LANDSCAPE ORDINANCE EFFECTIVE 2020

ADJACENT TO PUBLIC ROW/SEC. 5.5.3(B) W = R.O.W. TREE
 REQUIRED: DEC. CANOPY OR LARGE EVG. PER 60 LF
 (1 PER 30 LF IN AREA BETWEEN SIDEWALK AND CURB)
 1 DEC. SUB-CANOPY PER 40 LF

CABARET RD: 246 / 35 = 7 DEC. CANOPY TREE OR LARGE EVG.
 246 / 40 = 6 DEC. SUB-CANOPY
 W. 12 MILE RD: 238 / 60 = 4 DEC. CANOPY TREE OR LARGE EVG.
 238 / 40 = 6 DEC. SUB-CANOPY

PROVIDED: CABARET RD: 7 EXISTING DEC. TREES AND 6 EXISTING SUB-CANOPY TREES
 W. 12 MILE RD: 4 PROPOSED SUB-CANOPY TREES, 4 EXISTING DEC. TREES
 AND 2 EXISTING SUB-CANOPY TREES

INTERIOR PARKING LOT LANDSCAPE/SEC. 5.5.3(C) P = INTERIOR PARKING LOT TREE
 REQUIRED:
 A. SF OF PAVED AREA UNDER 50,000 SF X 7.5%
 B. SF OF ADDITIONAL PAVED AREA OVER 50,000 SF X 1.0%
 A+B=C SF OF ISLANDS REQUIRED
 C. C/200 CANOPY TREES REQUIRED
 6,094 X 7.5% = 457 SF / 200 = 2 TREES

NOTE: ALL PARKING LOT LANDSCAPE ISLANDS SHALL BE A MIN. OF 200 SF, A MIN. OF 10' WIDE AND MIN. 3' BETWEEN CURB AND TREE TRUNK; LANDSCAPE ISLANDS MIN 130 SF IN AREA THAT ARE MIN 10' WIDE AND ADJON 70 SF OF GREEN SPACE CAN ALSO COUNT AS PARKING LOT ISLANDS.

PROVIDED: 4.074 SF OF INTERIOR LANDSCAPE ISLAND AREA
 AND 3 PROPOSED DEC CANOPY TREES

PARKING LOT PERIMETER/SEC. 5.5.3(C) T = PARKING LOT PERIMETER TREE
 REQUIRED: 1 TREE PER 35 LF OF PAVED VEHICULAR PERIMETER
 383 / 35 = 11 TREES

PROVIDED: 11 PROPOSED TREES

INTERIOR ACCESSWAY/SEC. 5.5.3(C) A = ACCESSWAY TREE
 REQUIRED: 1 TREE PER 35 LF OF PAVE. VEHICULAR PERIMETER
 GREENBELT CANOPY TREES AND PARKING LOT PERIMETER TREES WITHIN 15' OF ACCESS DRIVE MAY DOUBLE COUNT AS ACCESS DRIVE TREES
 1,048 / 35 = 30

PROVIDED: 15 PROPOSED TREES; 6 EXISTING TREES WITHIN 15' OF ACCESSWAY AND 9 PARKING LOT PERIMETER TREES DOUBLE COUNTING AS ACCESS DRIVE TREES

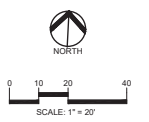
BUILDING FOUNDATION/SEC. 5.5.3(D)
 REQUIRED: MULTIPLY ENTIRE PERIMETER OF BUILDING (LESS PAVED ACCESS POINT) BY 8
 390 X 8 = 3,108 SF

PROVIDED: 3,290 SF OF INTERIOR SITE LANDSCAPING
 FOUNDATION PLANTINGS TO BE DETAILED DURING CONSTRUCTION DWGS

TREE REPLACEMENT/SEC. 37-8) R = REPLACEMENT TREE
 REQUIRED: 1 REPLACEMENT 8"X11" = 2 2 REPLACEMENT TREES REQUIRED
 2 REPLACEMENT 12"X18" = 0 0 REPLACEMENT TREES REQUIRED
 3 REPLACEMENT 20"X26" = 0 0 REPLACEMENT TREES REQUIRED
 4 REPLACEMENT 30" = 0 0 REPLACEMENT TREES REQUIRED
 TOTAL REGULATED TREES REMOVED = 2
 TOTAL REQUIRED REPLACEMENT TREES = 2
 NOTE: 7 TREES TO BE REPLACED, THAT ARE 4" OR UNDER, THAT WERE PREVIOUS LANDSCAPED TREES, REPLACE AT A 1:1 RATIO.
 TOTAL = 2 TREES(8 TO 11") + 7 TREES(8" UNDER) = 9 REPLACEMENT TREES REQUIRED
 PROVIDED: 9 REPLACEMENT TREES

FOR PRO REQUIREMENT:
 PRESERVATION OF EXISTING MATURE R.O.W. TREES ALONG 12 MILE ROAD AND CABARET DRIVE AND EXCEED THE REQUIREMENT WITH 8 EXTRA EXISTING TREES AT CABARET DRIVE AND 2 EXTRA EXISTING TREES AT 12 MILE ROAD.
 NOTE: SITE GRADE IS DEPRESSED FROM CABARET AND 12 MILE RD CREATING A NATURAL BUFFER.

NOTE: ADDITIONAL PLANTINGS PROPOSED AT THE NW CORNER OF THE SITE TO ENHANCE LANDSCAPE, AND ADDITIONAL ORNAMENTAL TREES PROPOSED ADJ TO THE BLDG. PLANT QUANTITY AND TREE TO BE DETERMINED BY CITY DECISION.



CAUTION!
 This drawing is a preliminary design and is not to be used for construction. All dimensions are approximate. The contractor shall be responsible for verifying all dimensions and conditions in the field. The engineer shall not be responsible for any errors or omissions on this drawing.



CLIENT
CUNNINGHAM LIMP COMPANY
 20700 CABOT DRIVE, SUITE 100
 48014 MI

PROJECT TITLE
JAX KAR WASH
 4475 WEST 12 MILE ROAD
 48014 MI

NO.	DATE	REVISIONS

ORIGINAL ISSUE DATE:
 FEBRUARY 9, 2024
 DRAWING TITLE
LANDSCAPE CALCULATIONS

PEA JOB NO. 2023-1246
 P.M. JPL
 D.N. BS
 DES. JLE
 DRAWING NUMBER

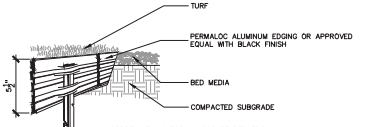
NOT FOR CONSTRUCTION **L-1.1**

PRELIMINARY LANDSCAPE COST OPINION
DOES NOT INCLUDE SHRUBS, PERENNIALS, ENHANCED LANDSCAPE ELEMENTS AND PLANTINGS, AND IRRIGATION

LANDSCAPING

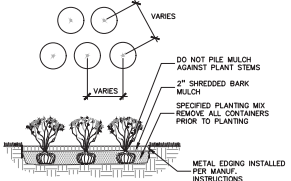
PLAN QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	ITEM PRICE
0	S.Y.	SPECIALTY SEED MIXES	\$3.00	\$0.00
0	EA.	REPLACEMENT SHRUBS	\$50.00	\$0.00
9	EA.	DECIDUOUS REPLACEMENT TREES	\$400.00	\$3,600.00
29	EA.	GENERAL SITE DECIDUOUS TREES	\$400.00	\$11,600.00
4	EA.	SUB CANOPY ORNAMENTAL TREES	\$375.00	\$1,500.00
0	EA.	SHRUBS	\$50.00	\$0.00
0	EA.	PERENNIALS/ORNAMENTAL GRASSES	\$15.00	\$0.00
130	C.Y.	PLANT MIX FOR BEDS (12" DEPTH)	\$15.00	\$1,950.00
33	C.Y.	MULCH	\$65.00	\$2,145.00
0	C.Y.	TOPSOIL FOR SPEC. MIX (3" DEPTH)	\$7.00	\$0.00
0	S.Y.	SOD LAWN	\$6.00	\$0.00
0	EA.	EVERGREENS	\$100.00	\$0.00
0	EA.	GENERAL SITE EVERGREEN TREES	\$375.00	\$0.00
2,275	S.Y.	SEED LAWN	\$3.00	\$6,825.00
0	EA.	MULTI-FAMILY AMENITY PERORN. GRASSES	\$15.00	\$0.00
0	C.Y.	ROCK MULCH AT POND (4" DEPTH)	\$200.00	\$0.00
0	EA.	BOULDERS (2-3')	\$175.00	\$0.00
TOTAL LANDSCAPING				\$27,620.00

DOES NOT INCLUDE SHRUBS, PERENNIALS, ENHANCED LANDSCAPE ELEMENTS AND PLANTINGS
TOTAL \$ 27,620

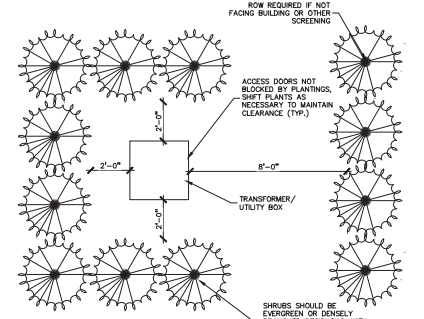


SPECIFICATIONS FOR LANDSCAPE BED EDGING:
LANDSCAPE BED EDGING SHALL BE ALUMINUM AS MANUFACTURED BY PERMALOC 1,800,356,9660
#2 OR #3 SECTIONS SHALL BE USED WITH ONE STAKE PER 36" OF EDGING
EDGING SHALL BE 3/4" THICK X 4" DEPTH WHEN ADJ. TO MULCH AND 1" THICK X 5 1/2" DEPTH WHEN ADJ. TO ROCK, FINISH: BLACK DURAFLEX MEETING ANMA 2953
STAKE SHALL SECURELY ENGAGE EDGING AND SHALL BE ENTIRELY BELOW TOP SURFACE OF EDGING
EDGING SHALL HAVE A MINIMUM OF 2" OF INTERLOCKING OVERLAP BETWEEN SECTIONS
INSTALL AS PER MANUFACTURER'S SPECIFICATIONS WITH TOP OF EDGING 2"-4" ABOVE COMPACTED FINISH GRADE, FINISH GRADE TO BE COMPACTED ON BOTH SIDES OF EDGING TO MAINTAIN STABILITY

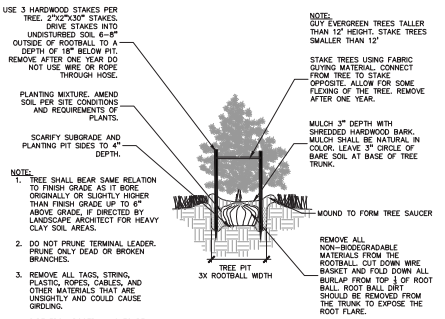
6 ALUMINUM EDGE DETAIL
SCALE: 1/2" = 1'-0"



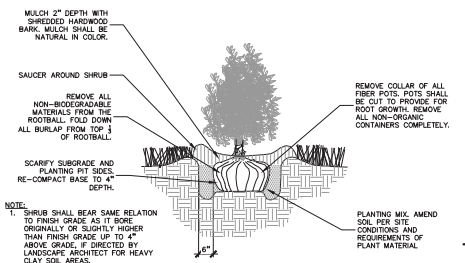
5 PERENNIAL PLANTING DETAIL
SCALE: 1" = 2'-0"



3 TRANSFORMER SCREENING DETAIL
SCALE: 1" = 3'-0"

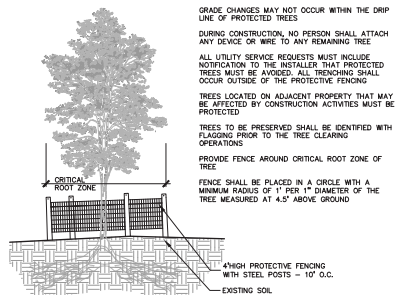


4 EVERGREEN TREE PLANTING DETAIL
SCALE: 1" = 3'-0"

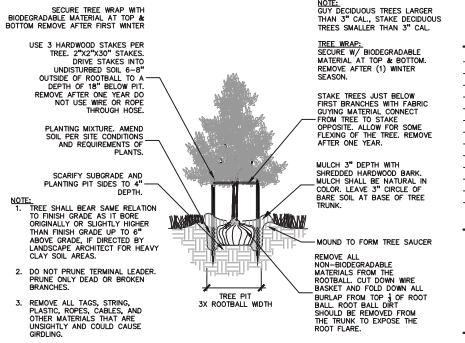


NOTE:
1. SHRUB SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 6" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.
2. PRUNE ONLY DEAD OR BROKEN BRANCHES.
3. REMOVE ALL TAGS, STRING, PLASTIC AND OTHER MATERIALS THAT ARE UNSIGHTLY AND COULD CAUSE GRIDLING.

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



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



1 DECIDUOUS TREE PLANTING DETAIL
SCALE: 1" = 3'-0"

PEA GROUP
1.844.813.2949
www.peagroup.com

AMET I TEAM LANDSCAPE ARCHITECT

811

CAUTION!
UNLICENSED OR UNPROFESSORIAL ACTS ARE PROHIBITED BY LAW. THE STATE OF MICHIGAN HAS A POLICY OF ENCOURAGING THE USE OF PROFESSIONAL SERVICES AND PRODUCTS. THE STATE OF MICHIGAN DOES NOT WARRANT THE ACCURACY OF THIS INFORMATION.

CLIENT
CUNNINGHAM LIMP COMPANY
2010 CABOT DRIVE, SUITE 100
48114 MI

PROJECT TITLE
JAX KAR WASH
34475 WEST 12 MILE ROAD
48114 MI

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: FEBRUARY 9, 2024
DRAWING TITLE
LANDSCAPE DETAILS

PEA JOB NO. 2023-1246
P.M. JPS
D.N. BZ
DES. J.E.

DRAWING NUMBER:
L-2.0

NOT FOR CONSTRUCTION

3:\PROJECTS\2023\1246 - JAX KAR WASH\LANDSCAPE\LANDSCAPE DETAILS - 03 - 1246.DWG PLOT DATE: 02/09/2024
 3:\PROJECTS\2023\1246 - JAX KAR WASH\LANDSCAPE\LANDSCAPE DETAILS - 03 - 1246.DWG PLOT DATE: 02/09/2024
 3:\PROJECTS\2023\1246 - JAX KAR WASH\LANDSCAPE\LANDSCAPE DETAILS - 03 - 1246.DWG PLOT DATE: 02/09/2024



0 10 20 40
SCALE: 1" = 20'



CAUTION!
Call 811 before any excavation or ground disturbance project. It is the responsibility of the contractor to determine the location and depth of all underground utilities. Failure to call 811 may result in injury, property damage, or service interruption.



CLIENT
CUNNINGHAM LIMP COMPANY
30700 CABOT DRIVE, SUITE 100
44814

PROJECT TITLE
JAX KAR WASH
44475 WEST 12 MILE ROAD
10306 OHIO

REVISIONS	

ORIGINAL ISSUE DATE:
FEBRUARY 9, 2024
DRAWING TITLE

TREE PRESERVATION PLAN

PEA JOB NO. 2023-1246
P.M. JPS
C.N. BZ
D.S. JLE
DRAWING NUMBER

T-1.0

KEY:

- EXISTING TREE TO BE REMOVED
- EXISTING TREE/TAG TO REMAIN
- TREE PROTECTION FENCE

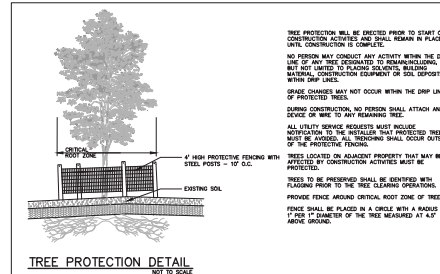
SEE L-1.0 FOR TREE REPLACEMENT INFORMATION

TREE REPLACEMENT CALCULATIONS:
PER CITY OF NOVI ZONING ORDINANCE (AMENDED 2020)
EXISTING TREES THAT ARE DEAD, VERY POOR OR POOR CONDITION ARE EXEMPT FROM REPLACEMENT.

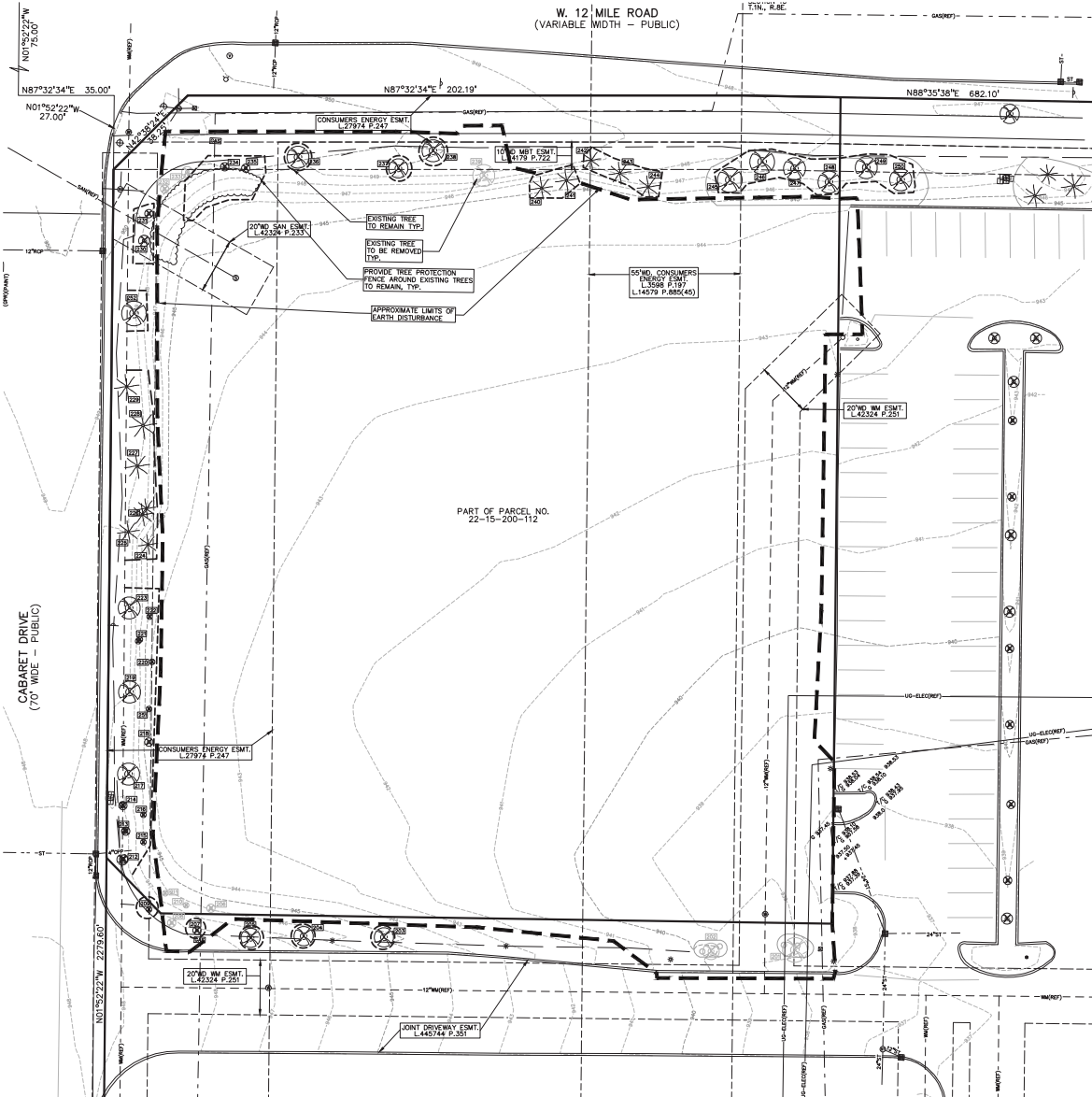
TREE REPLACEMENT CALCULATIONS		REPLACEMENT TREES REQUIRED	
REQUIRED: 8" < 11"	2	2 REPLACEMENT TREES REQUIRED	
2 REPLACEMENT: 12" - 19"	0	0 REPLACEMENT TREES REQUIRED	
3 REPLACEMENT: 20" - 29"	0	0 REPLACEMENT TREES REQUIRED	
4 REPLACEMENT: > 30"	0	0 REPLACEMENT TREES REQUIRED	
TOTAL REGULATED TREES REMOVED	2	2	
TOTAL REQUIRED REPLACEMENT TREES	2		

NOTE: 7 TREES TO BE REPLACED, THAT ARE 6" OR UNDER, THAT WERE PREVIOUSLY PLANTED LANDSCAPED TREES, REPLACE AT A 1:1 RATIO.
TOTAL: 2 TREES(8" TO 11") + 7 TREES(6" UNDER) = 9 REPLACEMENT TREES REQUIRED.

TAG	CODE	DBH	COMMON NAME	LATIN NAME	COND	TRUNKS/COMM SAVE/REMOVE	REPLACEMENTS REQ'D
201	S	9	Sycamore	Platanus occidentalis	Good	REMOVE	1 Tree
202	S	6	Sycamore	Platanus occidentalis	Fair	REMOVE	-
203	S	7	Sycamore	Platanus occidentalis	Fair	SAVE	-
204	S	7	Sycamore	Platanus occidentalis	Fair	SAVE	-
205	S	8	Sycamore	Platanus occidentalis	Good	SAVE	-
206	CA	5	Crab-Apple	Malus coronaria	Good	REMOVE	-
207	CA	5	Crab-Apple	Malus coronaria	Good	SAVE	-
208	CA	5	Crab-Apple	Malus coronaria	Good	REMOVE	-
209	CA	3	Crab-Apple	Malus coronaria	Good	SAVE	-
210	CA	3	Crab-Apple	Malus coronaria	Good	REMOVE	-
211	CA	4	Crab-Apple	Malus coronaria	Good	REMOVE	-
212	CA	6	Crab-Apple	Malus coronaria	Good	SAVE	-
213	CA	3	Crab-Apple	Malus coronaria	Good	SAVE	-
214	CA	4	Crab-Apple	Malus coronaria	Good	SAVE	-
215	CA	3	Crab-Apple	Malus coronaria	Fair	SAVE	-
216	CA	3	Crab-Apple	Malus coronaria	Good	SAVE	-
217	S	7	Sycamore	Platanus occidentalis	Good	SAVE	-
218	AM	5.3.4	Amur Maple	Acer ginnala	Good	SAVE	-
219	S	7	Sycamore	Platanus occidentalis	Good	SAVE	-
220	AM	3.3.2.2	Amur Maple	Acer ginnala	Poor	SAVE	-
221	AM	4.3.3	Amur Maple	Acer ginnala	Good	SAVE	-
222	AM	2.2.2.1	Amur Maple	Acer ginnala	Fair	SAVE	-
223	S	9	Sycamore	Platanus occidentalis	Good	SAVE	-
224	WS	8	White Spruce	Picea glauca	Fair	SAVE	-
225	WS	9	White Spruce	Picea glauca	Fair	SAVE	-
226	WS	10	White Spruce	Picea glauca	Fair	SAVE	-
227	BS	11	Blue Spruce	Picea pungens	Good	SAVE	-
228	BS	14	Blue Spruce	Picea pungens	Fair	SAVE	-
229	WS	10	White Spruce	Picea glauca	Fair	SAVE	-
230	CA	7	Crab-Apple	Malus coronaria	Good	SAVE	-
231	CA	4	Crab-Apple	Malus coronaria	Good	SAVE	-
232	CA	6	Crab-Apple	Malus coronaria	Good	REMOVE	-
233	CA	5	Crab-Apple	Malus coronaria	Good	REMOVE	-
234	CA	4	Crab-Apple	Malus coronaria	Good	SAVE	-
235	CA	5	Crab-Apple	Malus coronaria	Good	SAVE	-
236	Q	8	Shingle Oak	Quercus imbricaria	Good	SAVE	-
237	Q	8	Shingle Oak	Quercus imbricaria	Good	SAVE	-
238	Q	9	Shingle Oak	Quercus imbricaria	Good	SAVE	-
239	Q	10	Shingle Oak	Quercus imbricaria	Good	REMOVE	1 Tree
240	AC	9	White fir	Abies concolor	Fair	SAVE	-
241	AC	10	White fir	Abies concolor	Fair	SAVE	-
242	AC	9	White fir	Abies concolor	Fair	SAVE	-
243	AC	10	White fir	Abies concolor	Fair	SAVE	-
244	AC	9	White fir	Abies concolor	Fair	SAVE	-
245	Q	10	Shingle Oak	Quercus imbricaria	Good	SAVE	-
246	Q	8	Shingle Oak	Quercus imbricaria	Good	SAVE	-
247	Q	9	Shingle Oak	Quercus imbricaria	Good	SAVE	-
248	Q	9	Shingle Oak	Quercus imbricaria	Good	SAVE	-
249	Q	9	Shingle Oak	Quercus imbricaria	Good	SAVE	-
250	Q	9	Shingle Oak	Quercus imbricaria	Good	SAVE	-
251	AM	4.4.3.3	Amur Maple	Acer ginnala	Good	SAVE	-
252	Q	10	Shingle Oak	Quercus imbricaria	Good	SAVE	-



NOT FOR CONSTRUCTION



CODE COMPLIANCE

APPLICABLE CODE REQUIREMENTS:

THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
 - 2015 MICHIGAN BUILDING CODE (MBC)
 - 2018 MICHIGAN PLUMBING CODE (MPC)
 - 2015 MICHIGAN MECHANICAL CODE (MNC)
 - 2017 NATIONAL ELECTRIC CODE WITH PART 8 AMENDMENTS (NEC)
 - PART 10 MICHIGAN UNIFORM ENERGY CODE PART 10A RULES (ANSI/ASHRAE 90.1-CODE 2015)
 - MICHIGAN BARRIER FREE DESIGN LAW (PA 1 OF 1966 AS AMENDED)
 - INCORPORATING THE 2012 MICHIGAN BUILDING CODE WITH ICC/ANSI A-117.1, 2009
 - NFPA 13-2013 FIRE SPRINKLER SYSTEM
 - NFPA 72-2013 FIRE ALARM SYSTEM

OCCUPANCY CLASSIFICATION:

- USE GROUP 'B' (BUSINESS) - CAR WASH MBC 304.1
 - USE GROUP 'S-1' (STORAGE) NON SEPARATED MIXED USES - MOST RESTRICTIVE 'S-1' USE SHALL BE APPLIED TO ENTIRE BUILDING (MBC 508.3.1)

CONSTRUCTION CLASSIFICATION:

- TYPE VB (MBC 602.5)

FIRE SUPPRESSION REQUIREMENTS:

- BUILDING IS NOT PROTECTED BY A FIRE SUPPRESSION AUTOMATIC FIRE SPRINKLER SYSTEM (MBC 903.2)
 - PROPOSED BUILDING DOES NOT HAVE ANY HIGH PILE STORAGE
 - PROPOSED BUILDING DOES NOT HAVE ANY REQUIREMENTS FOR STANDPIPES
 - PROPOSED BUILDING WILL NOT HAVE A GENERATOR

BUILDING AREA:

- TOTAL BUILDING AREA= 6,308 S.F. (GROSS)

ALLOWABLE AREA:

- TYPE VB, MBC 508.2
 - PROPOSED BUILDING IS 6,308 S.F. ≤ 9,000 S.F. - ACCEPTABLE

ALLOWABLE BUILDING HEIGHT:

- PER 'B', TYPE VB, 40 FEET, 3 STORIES (MBC TABLE 504.3, 504.4)
 - PROPOSED BUILDING 21'-10", ONE STORY - ACCEPTABLE

BUILDING OCCUPANCY:

- PER MBC TABLE 1004.1.2

TOTAL BUILDING AREA= 6,308 S.F. MINUS 599 S.F. PERIMETER WALL THICKNESS = 5,709 S.F.

8' USE BUSINESS	756 S.F. / 100 S.F. PER OCC.	=	8 OCCUPANTS
STORAGE/MECH SPACE	4,850 S.F. / 300 S.F. PER OCC.	=	17 OCCUPANTS
TOTAL BUILDING OCCUPANTS			= 25 OCCUPANTS

MINIMUM NUMBER OF EXITS:

- MBC TABLE 1006.3.1
 25 OCCUPANTS = 2 EXITS REQUIRED | 5 EXITS PROVIDED

EXIT WIDTH REQUIREMENTS:

- DOORS (MBC 1005.3.2)
 25 OCCUPANTS X 0.2' PER OCCUPANT = 5.0' TOTAL DOOR WIDTH REQUIRED
 AT 33" CLEAR WIDTH PROVIDED PER 36" DOOR, A MINIMUM OF 2 EXIT DOORS ARE REQUIRED
 5 EXIT DOORS ARE PROVIDED

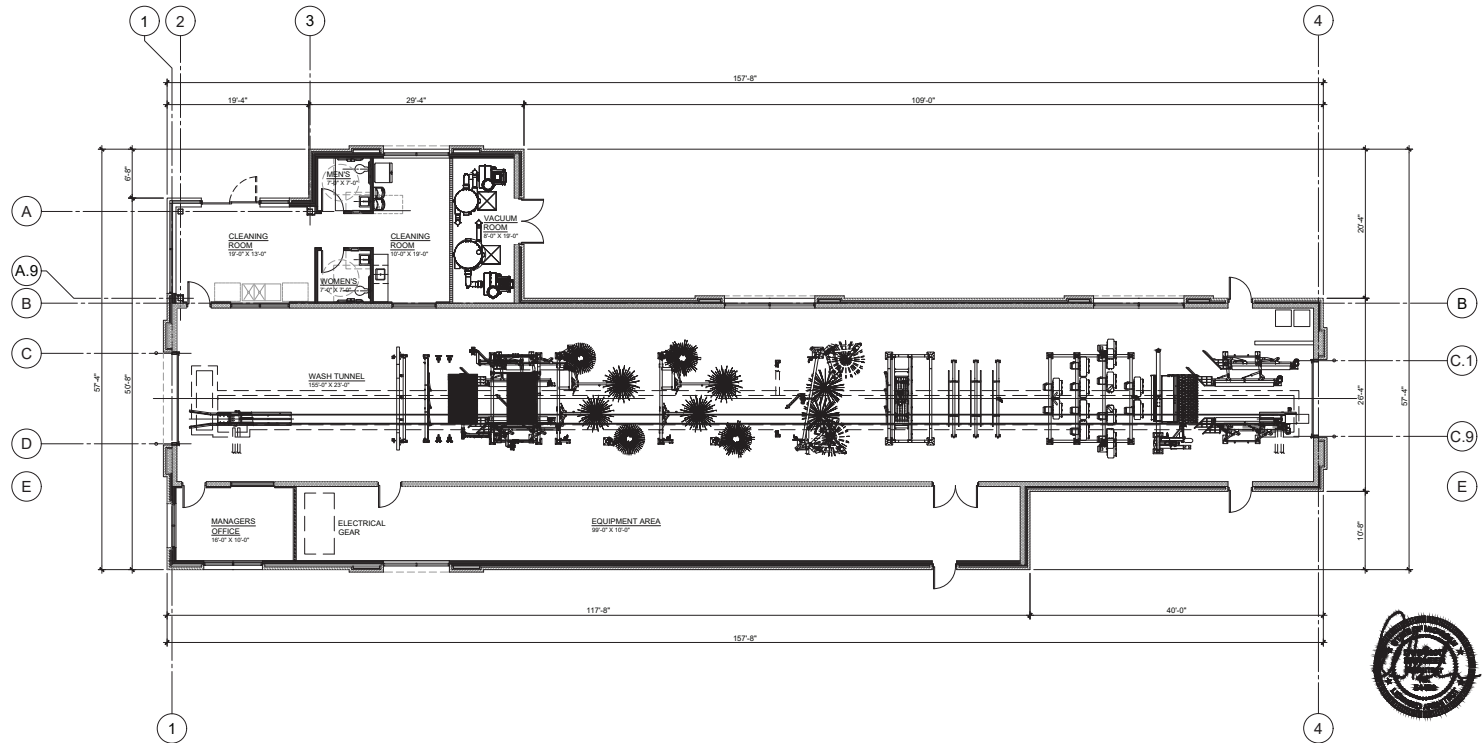
EXIT DISTANCE LIMITATIONS:

- 200' MAX ALLOWED (MBC TABLE 1017.2)
 - ALL OCCUPANTS ARE WITHIN 200 FEET OF AN EXIT
 - REQUIRED EXIT DOOR SEPARATION IS GREATER THAN 1/2 OF THE LENGTH OF MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREAS SERVED (MBC 1007.1.1 EXCEPTION 2)

FIRE RESISTANCE RATINGS OF BUILDING ELEMENTS:

- TYPE 'VB' CONSTRUCTION

STRUCTURAL FRAME	0 HR. (MBC TABLE 601)
BEARING WALLS - EXTERIOR	0 HR. (MBC TABLE 601)
BEARING WALLS - INTERIOR	0 HR. (MBC TABLE 601)
NON-BEARING WALLS - EXTERIOR	0 HR. (MBC TABLE 601)
NON-BEARING WALLS - INTERIOR	0 HR. (MBC TABLE 601)
FLOOR CONSTRUCTION	0 HR. (MBC TABLE 601)
ROOF CONSTRUCTION	0 HR. (MBC TABLE 601)
SHAFTS	N/A
STAIR WELL	N/A
FIRE WALL	N/A



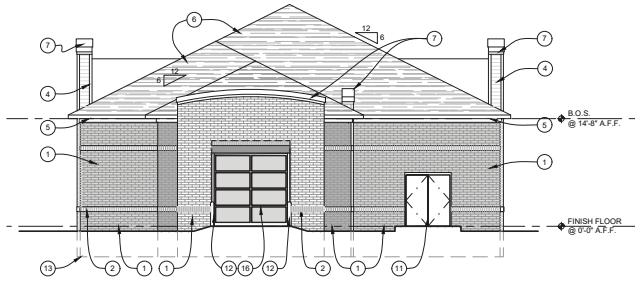
PRELIMINARY OVERALL FLOOR PLAN
 SCALE: 1/8" = 1'-0"

SOUTH BUILDING FACADE MATERIAL BREAKDOWN
 TOTAL MATERIAL SQUARE FOOTAGE: 1246.5 S.F.
 (EXCLUDES GLASS AND VISION OPENINGS)

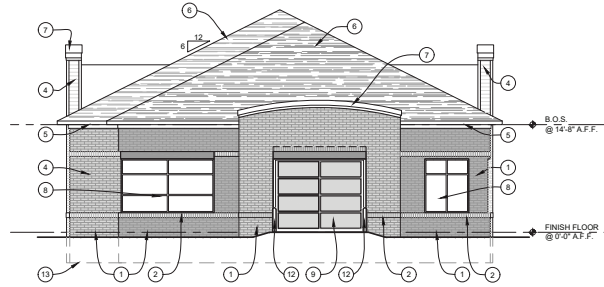
ROOF AREA:	391.7 S.F.	= 31.4%
FULL DIMENSIONAL BRICK VENEER:	746.1 S.F.	= 59.9%
PAINTED CEMENT BOARD SIDING:	108.7 S.F.	= 8.7%

NORTH BUILDING FACADE MATERIAL BREAKDOWN
 TOTAL MATERIAL SQUARE FOOTAGE: 1145.5 S.F.
 (EXCLUDES GLASS AND VISION OPENINGS)

ROOF AREA:	407.5 S.F.	= 35.6%
FULL DIMENSIONAL BRICK VENEER:	640.4 S.F.	= 55.9%
PAINTED CEMENT BOARD SIDING:	97.6 S.F.	= 8.5%



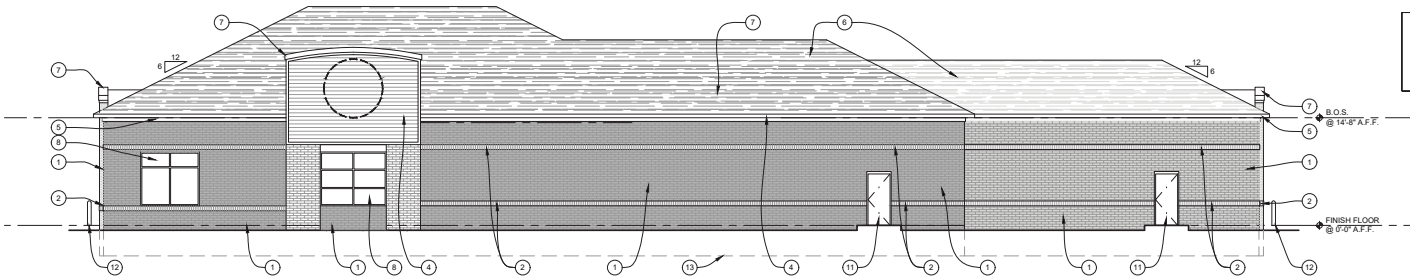
SOUTH ELEVATION
 SCALE: 1/8" = 1'-0"
4



NORTH ELEVATION
 SCALE: 1/8" = 1'-0"
3

EXTERIOR MATERIAL SCHEDULE

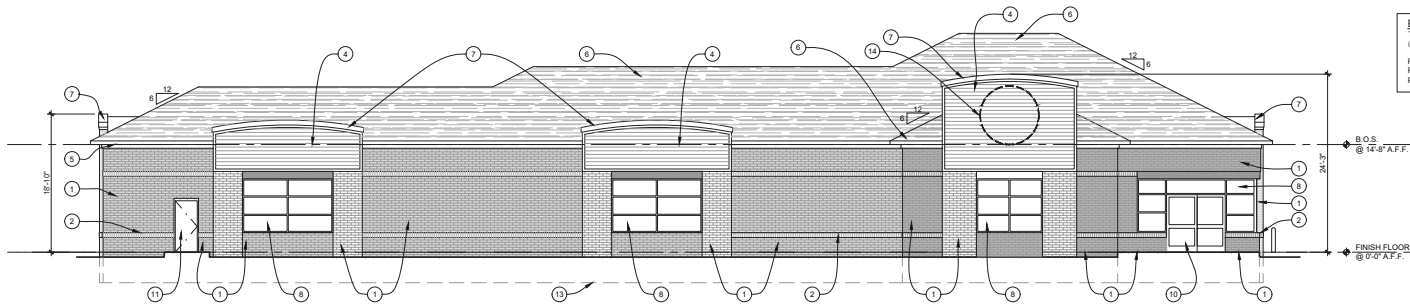
1	FULL DIMENSIONAL BRICK VENEER (FIELD COLOR)
2	1/2" RECESSED BRICK SOLDIER COURSE (ACCENT COLOR)
3	FULL DIMENSIONAL VENEER (ACCENT COLOR)
4	HORIZONTAL LAP SIDING W/ TRIM
5	1X6 FASCIA BOARD OVER 1X TRIM BOARD
6	ASPHALT SHINGLES
7	PRE-FINISHED METAL COPING
8	1" TINTED LOW 'E' INSUL. GLAZING IN CLEAR ANOD. ALUM. THERMAL BREAK FRAMES
9	12W x 10H GLASS SECTIONAL INSULATED OVERHEAD GRADE DOOR w/ MOTOR OPERATED OPENER & INSULATED
10	CLEAR ANOD. ALUM. ENTRY DOOR W/ TEMPERED GLASS
11	HOLLOW METAL DOOR & FRAME
12	6" DIA. CONC. FILLED STEEL GUARD POSTS
13	CONCRETE TRENCH FOOTING BELOW
14	DASHED LINE DENOTES PROPOSED SIGNAGE LOCATION
15	1" TINTED INSUL. SPANDREL IN CLEAR ANOD. ALUM. THERMAL BREAK FRAMES
16	10W x 10H GLASS SECTIONAL INSULATED OVERHEAD GRADE DOOR w/ MOTOR OPERATED OPENER & INSULATED
17	PRE-FINISHED ARCHITECTURAL METAL ROOFING. COLOR: SURREY BEIGE OR EQUAL (NEUTRAL COLOR)
18	TYP. VACUUM STATIONS TO BE PAINTED A NEUTRAL COLOR (HOSE / VACUUM ARM / VERTICAL POST)



WEST ELEVATION
 SCALE: 1/8" = 1'-0"
2

WEST BUILDING FACADE MATERIAL BREAKDOWN
 TOTAL MATERIAL SQUARE FOOTAGE: 3803.9 S.F.
 (EXCLUDES GLASS AND VISION OPENINGS)

ROOF AREA:	1303.8 S.F.	= 34.3%
FULL DIMENSIONAL BRICK VENEER:	2116.9 S.F.	= 55.6%
PAINTED CEMENT BOARD SIDING:	383.2 S.F.	= 10.1%



EAST ELEVATION
 SCALE: 1/8" = 1'-0"
1

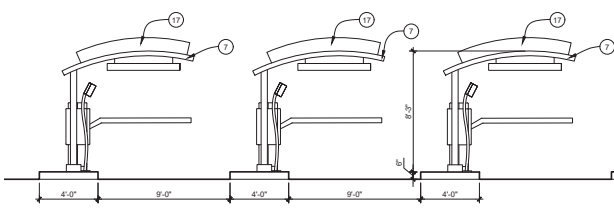
EAST BUILDING FACADE MATERIAL BREAKDOWN
 TOTAL MATERIAL SQUARE FOOTAGE: 3508.6 S.F.
 (EXCLUDES GLASS AND VISION OPENINGS)

ROOF AREA:	1162.8 S.F.	= 33.1%
FULL DIMENSIONAL BRICK VENEER:	1739.3 S.F.	= 49.6%
PAINTED CEMENT BOARD SIDING:	606.5 S.F.	= 17.3%

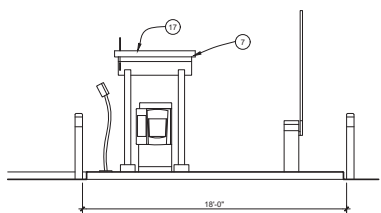


DATE:	ISSUED FOR:
DRAWING DATE:	1-17-24
PROJECT NUMBER:	22109
SHEET NUMBER:	PE-1A

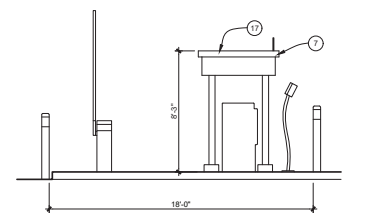
EXTERIOR MATERIAL SCHEDULE	
1	FULL DIMENSIONAL BRICK VENEER (FIELD COLOR)
2	1/2" RECESSED BRICK SOLDIER COURSE (ACCENT COLOR)
3	FULL DIMENSIONAL VENEER (ACCENT COLOR)
4	HORIZONTAL LAP SIDING W/ TRIM
5	1X6 FASCIA BOARD OVER 1X TRIM BOARD
6	ASPHALT SHINGLES
7	PRE-FINISHED METAL COPING
8	1" TINTED LOW 'E' INSUL. GLAZING IN CLEAR ANOD. ALUM. THERMAL BREAK FRAMES.
9	12W x 10H GLASS SECTIONAL INSULATED OVERHEAD GRADE DOOR w/ MOTOR OPERATED OPENER & INSULATED
10	CLEAR ANOD. ALUM. ENTRY DOOR w/ TEMPERED GLASS
11	HOLLOW METAL DOOR & FRAME
12	6" DIA. CONC. FILLED STEEL GUARD POSTS
13	CONCRETE TRENCH FOOTING BELOW
14	DASHED LINE DENOTES PROPOSED SIGNAGE LOCATION
15	1" TINTED INSUL. SPANDREAL IN CLEAR ANOD. ALUM. THERMAL BREAK FRAMES.
16	10W x 10H GLASS SECTIONAL INSULATED OVERHEAD GRADE DOOR w/ MOTOR OPERATED OPENER & INSULATED
17	PRE-FINISHED ARCHITECTURAL METAL ROOFING. COLOR: SURREY BEIGE OR EQUAL (NEUTRAL COLOR)
18	TYP. VACUUM STATIONS TO BE PAINTED A NEUTRAL COLOR (HOSE / VACUUM ARM / VERTICAL POST)



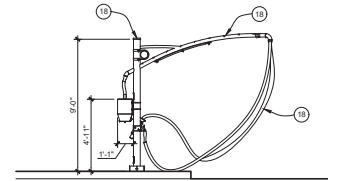
SOUTH ELEVATION
SCALE: 1/4" = 1'-0" 3



EAST ELEVATION
SCALE: 1/4" = 1'-0" 2



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



TYP. VACUUM STATION ELEVATION 4
SCALE: 1/4" = 1'-0"



PROJECT NAME: **JAX CAR WASH**
NOVI, MI

DATE: 1-17-24
PROJECT NUMBER: **22109**
SHEET NUMBER: **PE-1B**



D-Series Size 1 LED Area Luminaire



Specifications

- EPA: 39.6 ft
32.7 ft
14.2 ft
- Width: 7.8 ft
5.8 ft
- Height H1: 27.0 ft
25.0 ft
- Height H2: 3.0 ft
3.0 ft
- Weight: 54 lbs
54 lbs



Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficiency, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSX1 LED P7 40K 70CR T3M TMOV SPA NLTAIR2 PIRHN DBDX8

Series	LED	Color Temperature	Beam Spread	Description	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV
DSX1 LED	P7	40K	70°	70CR	T3M	TMOV	SPA	NLTAIR2	PIRHN	DBDX8									

Option	Code	Description	Notes
Mounting	M01	Standard mounting	
Mounting	M02	Standard mounting with 1/2" offset	
Mounting	M03	Standard mounting with 1/4" offset	
Mounting	M04	Standard mounting with 3/8" offset	
Mounting	M05	Standard mounting with 1/2" offset and 1/2" rotation	
Mounting	M06	Standard mounting with 1/2" offset and 45° rotation	
Mounting	M07	Standard mounting with 1/2" offset and 90° rotation	
Mounting	M08	Standard mounting with 1/2" offset and 135° rotation	
Mounting	M09	Standard mounting with 1/2" offset and 180° rotation	
Mounting	M10	Standard mounting with 1/2" offset and 225° rotation	
Mounting	M11	Standard mounting with 1/2" offset and 270° rotation	
Mounting	M12	Standard mounting with 1/2" offset and 315° rotation	
Mounting	M13	Standard mounting with 1/2" offset and 360° rotation	
Mounting	M14	Standard mounting with 1/2" offset and 315° rotation	
Mounting	M15	Standard mounting with 1/2" offset and 270° rotation	
Mounting	M16	Standard mounting with 1/2" offset and 225° rotation	
Mounting	M17	Standard mounting with 1/2" offset and 180° rotation	
Mounting	M18	Standard mounting with 1/2" offset and 135° rotation	
Mounting	M19	Standard mounting with 1/2" offset and 90° rotation	
Mounting	M20	Standard mounting with 1/2" offset and 45° rotation	
Mounting	M21	Standard mounting with 1/2" offset and 0° rotation	

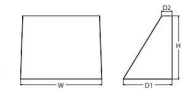


WDGE2 LED Architectural Wall Scone Precision Refractive Optic



Specifications

- Depth (D1): 7"
- Depth (D2): 1.5"
- Height: 4"
- Width: 11.5"
- Weight: 13.5 lbs



Introduction
The WDGE2 LED family is designed to meet specific's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectangular design comes in four sizes with luminaire packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with eLight™ all-wireless controls, the WDGE2 family provides additional energy savings and code compliance.

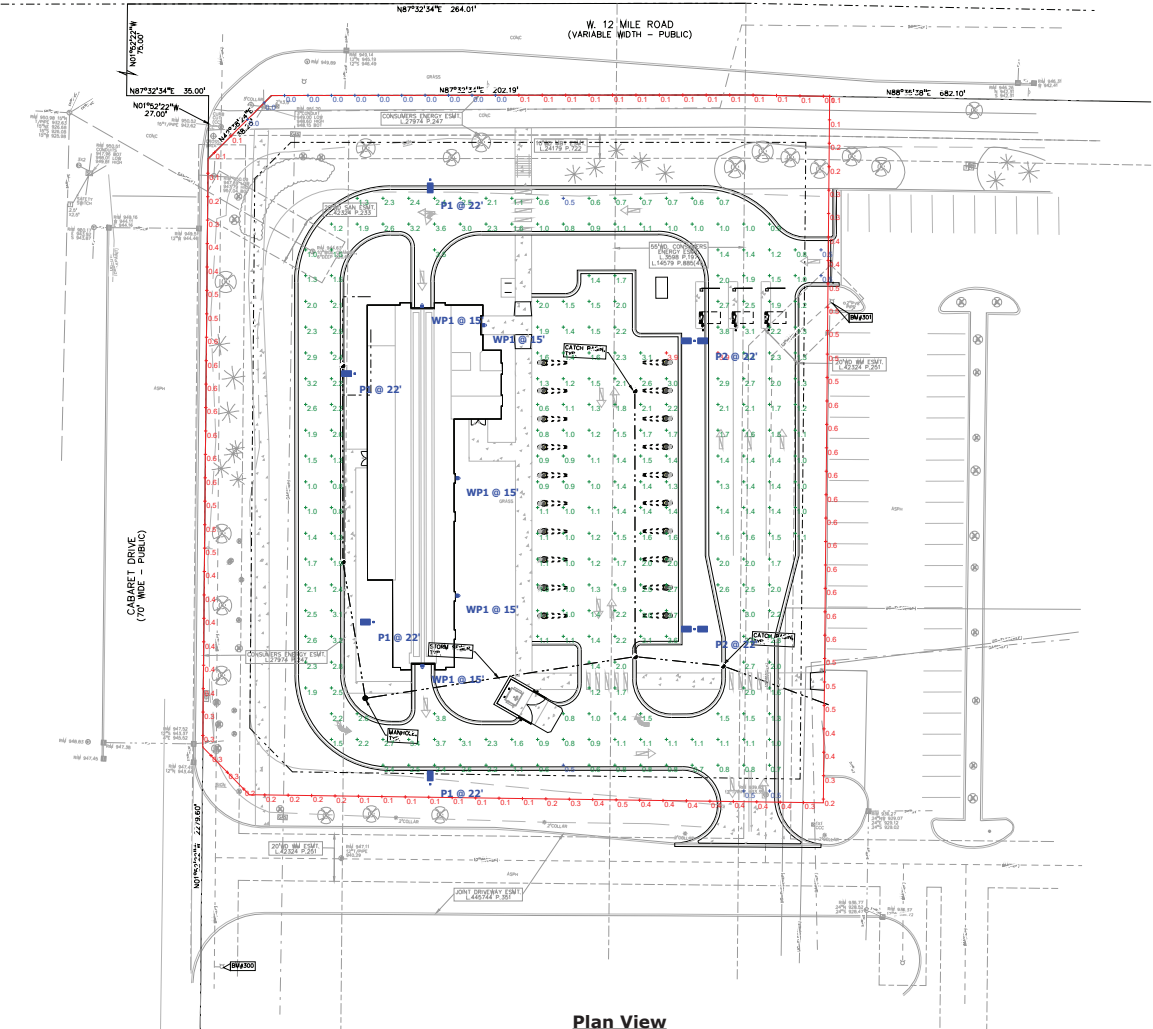
WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including our 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian-scale applications in any environment.

WDGE2 LED Family Overview

Luminaire	Series	Standard	40K	50K	60K	70K	80K	90K	100K	150K	200K	250K	300K	400K	500K	600K	700K	800K	900K	1000K
WDGE2 LED	Standard	40K	50K	60K	70K	80K	90K	100K	150K	200K	250K	300K	400K	500K	600K	700K	800K	900K	1000K	

Ordering Information EXAMPLE: WDGE2 LED P3 40K 80CR VF MVOLT SRM DBDX8

Series	LED	Color Temperature	Beam Spread	Description	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV	TMV
WDGE2 LED	P3	40K	80°	80CR	VF	MVOLT	SRM	DBDX8											



General Note

- SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.
- SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR.
- CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0'-0", 0'-6", 1'-0", 1'-6", 2'-0", 2'-6", 3'-0", 3'-6", 4'-0", 4'-6", 5'-0", 5'-6", 6'-0", 6'-6", 7'-0", 7'-6", 8'-0", 8'-6", 9'-0", 9'-6", 10'-0", 10'-6", 11'-0", 11'-6", 12'-0", 12'-6", 13'-0", 13'-6", 14'-0", 14'-6", 15'-0", 15'-6", 16'-0", 16'-6", 17'-0", 17'-6", 18'-0", 18'-6", 19'-0", 19'-6", 20'-0", 20'-6", 21'-0", 21'-6", 22'-0", 22'-6", 23'-0", 23'-6", 24'-0", 24'-6", 25'-0", 25'-6", 26'-0", 26'-6", 27'-0", 27'-6", 28'-0", 28'-6", 29'-0", 29'-6", 30'-0", 30'-6", 31'-0", 31'-6", 32'-0", 32'-6", 33'-0", 33'-6", 34'-0", 34'-6", 35'-0", 35'-6", 36'-0", 36'-6", 37'-0", 37'-6", 38'-0", 38'-6", 39'-0", 39'-6", 40'-0", 40'-6", 41'-0", 41'-6", 42'-0", 42'-6", 43'-0", 43'-6", 44'-0", 44'-6", 45'-0", 45'-6", 46'-0", 46'-6", 47'-0", 47'-6", 48'-0", 48'-6", 49'-0", 49'-6", 50'-0", 50'-6", 51'-0", 51'-6", 52'-0", 52'-6", 53'-0", 53'-6", 54'-0", 54'-6", 55'-0", 55'-6", 56'-0", 56'-6", 57'-0", 57'-6", 58'-0", 58'-6", 59'-0", 59'-6", 60'-0", 60'-6", 61'-0", 61'-6", 62'-0", 62'-6", 63'-0", 63'-6", 64'-0", 64'-6", 65'-0", 65'-6", 66'-0", 66'-6", 67'-0", 67'-6", 68'-0", 68'-6", 69'-0", 69'-6", 70'-0", 70'-6", 71'-0", 71'-6", 72'-0", 72'-6", 73'-0", 73'-6", 74'-0", 74'-6", 75'-0", 75'-6", 76'-0", 76'-6", 77'-0", 77'-6", 78'-0", 78'-6", 79'-0", 79'-6", 80'-0", 80'-6", 81'-0", 81'-6", 82'-0", 82'-6", 83'-0", 83'-6", 84'-0", 84'-6", 85'-0", 85'-6", 86'-0", 86'-6", 87'-0", 87'-6", 88'-0", 88'-6", 89'-0", 89'-6", 90'-0", 90'-6", 91'-0", 91'-6", 92'-0", 92'-6", 93'-0", 93'-6", 94'-0", 94'-6", 95'-0", 95'-6", 96'-0", 96'-6", 97'-0", 97'-6", 98'-0", 98'-6", 99'-0", 99'-6", 100'-0", 100'-6", 101'-0", 101'-6", 102'-0", 102'-6", 103'-0", 103'-6", 104'-0", 104'-6", 105'-0", 105'-6", 106'-0", 106'-6", 107'-0", 107'-6", 108'-0", 108'-6", 109'-0", 109'-6", 110'-0", 110'-6", 111'-0", 111'-6", 112'-0", 112'-6", 113'-0", 113'-6", 114'-0", 114'-6", 115'-0", 115'-6", 116'-0", 116'-6", 117'-0", 117'-6", 118'-0", 118'-6", 119'-0", 119'-6", 120'-0", 120'-6", 121'-0", 121'-6", 122'-0", 122'-6", 123'-0", 123'-6", 124'-0", 124'-6", 125'-0", 125'-6, 126'-0", 126'-6", 127'-0", 127'-6", 128'-0", 128'-6", 129'-0", 129'-6", 130'-0", 130'-6", 131'-0", 131'-6", 132'-0", 132'-6", 133'-0", 133'-6", 134'-0", 134'-6", 135'-0", 135'-6", 136'-0", 136'-6", 137'-0", 137'-6", 138'-0", 138'-6", 139'-0", 139'-6", 140'-0", 140'-6", 141'-0", 141'-6", 142'-0", 142'-6", 143'-0", 143'-6", 144'-0", 144'-6", 145'-0", 145'-6", 146'-0", 146'-6", 147'-0", 147'-6", 148'-0", 148'-6", 149'-0", 149'-6", 150'-0", 150'-6", 151'-0", 151'-6", 152'-0", 152'-6", 153'-0", 153'-6", 154'-0", 154'-6", 155'-0", 155'-6", 156'-0", 156'-6", 157'-0", 157'-6", 158'-0", 158'-6", 159'-0", 159'-6", 160'-0", 160'-6", 161'-0", 161'-6", 162'-0", 162'-6", 163'-0", 163'-6", 164'-0", 164'-6", 165'-0", 165'-6", 166'-0", 166'-6", 167'-0", 167'-6", 168'-0", 168'-6", 169'-0", 169'-6", 170'-0", 170'-6", 171'-0", 171'-6", 172'-0", 172'-6", 173'-0", 173'-6", 174'-0", 174'-6", 175'-0", 175'-6", 176'-0", 176'-6", 177'-0", 177'-6", 178'-0", 178'-6", 179'-0", 179'-6", 180'-0", 180'-6", 181'-0", 181'-6", 182'-0", 182'-6", 183'-0", 183'-6, 184'-0", 184'-6", 185'-0", 185'-6", 186'-0", 186'-6", 187'-0", 187'-6", 188'-0", 188'-6", 189'-0", 189'-6", 190'-0", 190'-6", 191'-0", 191'-6", 192'-0", 192'-6", 193'-0", 193'-6", 194'-0", 194'-6", 195'-0", 195'-6", 196'-0", 196'-6", 197'-0", 197'-6", 198'-0", 198'-6", 199'-0", 199'-6", 200'-0", 200'-6, 201'-0", 201'-6, 202'-0", 202'-6, 203'-0", 203'-6, 204'-0", 204'-6, 205'-0", 205'-6, 206'-0", 206'-6, 207'-0", 207'-6, 208'-0", 208'-6, 209'-0", 209'-6, 210'-0", 210'-6, 211'-0", 211'-6, 212'-0", 212'-6, 213'-0", 213'-6, 214'-0", 214'-6, 215'-0", 215'-6, 216'-0", 216'-6, 217'-0", 217'-6, 218'-0", 218'-6, 219'-0", 219'-6, 220'-0", 220'-6, 221'-0", 221'-6, 222'-0", 222'-6, 223'-0", 223'-6, 224'-0", 224'-6, 225'-0", 225'-6, 226'-0", 226'-6, 227'-0", 227'-6, 228'-0", 228'-6, 229'-0", 229'-6, 230'-0", 230'-6, 231'-0", 231'-6, 232'-0", 232'-6, 233'-0", 233'-6, 234'-0", 234'-6, 235'-0", 235'-6, 236'-0", 236'-6, 237'-0", 237'-6, 238'-0", 238'-6, 239'-0", 239'-6, 240'-0", 240'-6, 241'-0", 241'-6, 242'-0", 242'-6, 243'-0", 243'-6, 244'-0", 244'-6, 245'-0", 245'-6, 246'-0", 246'-6, 247'-0", 247'-6, 248'-0", 248'-6, 249'-0", 249'-6, 250'-0", 250'-6, 251'-0", 251'-6, 252'-0", 252'-6, 253'-0", 253'-6, 254'-0", 254'-6, 255'-0", 255'-6, 256'-0", 256'-6, 257'-0", 257'-6, 258'-0", 258'-6, 259'-0", 259'-6, 260'-0", 260'-6, 261'-0", 261'-6, 262'-0", 262'-6, 263'-0", 263'-6, 264'-0", 264'-6, 265'-0", 265'-6, 266'-0", 266'-6, 267'-0", 267'-6, 268'-0", 268'-6, 269'-0", 269'-6, 270'-0", 270'-6, 271'-0", 271'-6, 272'-0", 272'-6, 273'-0", 273'-6, 274'-0", 274'-6, 275'-0", 275'-6, 276'-0", 276'-6, 277'-0", 277'-6, 278'-0", 278'-6, 279'-0", 279'-6, 280'-0", 280'-6, 281'-0", 281'-6, 282'-0", 282'-6, 283'-0", 283'-6, 284'-0", 284'-6, 285'-0", 285'-6, 286'-0", 286'-6, 287'-0", 287'-6, 288'-0", 288'-6, 289'-0", 289'-6, 290'-0", 290'-6, 291'-0", 291'-6, 292'-0", 292'-6, 293'-0", 293'-6, 294'-0", 294'-6, 295'-0", 295'-6, 296'-0", 296'-6, 297'-0", 297'-6, 298'-0", 298'-6, 299'-0", 299'-6, 300'-0", 300'-6, 301'-0", 301'-6, 302'-0", 302'-6, 303'-0", 303'-6, 304'-0", 304'-6, 305'-0", 305'-6, 306'-0", 306'-6, 307'-0", 307'-6, 308'-0", 308'-6, 309'-0", 309'-6, 310'-0", 310'-6, 311'-0", 311'-6, 312'-0", 312'-6, 313'-0", 313'-6, 314'-0", 314'-6, 315'-0", 315'-6, 316'-0", 316'-6, 317'-0", 317'-6, 318'-0", 318'-6, 319'-0", 319'-6, 320'-0", 320'-6, 321'-0", 321'-6, 322'-0", 322'-6, 323'-0", 323'-6, 324'-0", 324'-6, 325'-0", 325'-6, 326'-0", 326'-6, 327'-0", 327'-6, 328'-0", 328'-6, 329'-0", 329'-6, 330'-0", 330'-6, 331'-0", 331'-6, 332'-0", 332'-6, 333'-0", 333'-6, 334'-0", 334'-6, 335'-0", 335'-6, 336'-0", 336'-6, 337'-0", 337'-6, 338'-0", 338'-6, 339'-0", 339'-6, 340'-0", 340'-6, 341'-0", 341'-6, 342'-0", 342'-6, 343'-0", 343'-6, 344'-0", 344'-6, 345'-0", 345'-6, 346'-0", 346'-6, 347'-0", 347'-6, 348'-0", 348'-6, 349'-0", 349'-6, 350'-0", 350'-6, 351'-0", 351'-6, 352'-0", 352'-6, 353'-0", 353'-6, 354'-0", 354'-6, 355'-0", 355'-6, 356'-0", 356'-6, 357'-0", 357'-6, 358'-0", 358'-6, 359'-0", 359'-6, 360'-0", 360'-6, 361'-0", 361'-6, 362'-0", 362'-6, 363'-0", 363'-6, 364'-0", 364'-6, 365'-0", 365'-6, 366'-0", 366'-6, 367'-0", 367'-6, 368'-0", 368'-6, 369'-0", 369'-6, 370'-0", 370'-6, 371'-0", 371'-6, 372'-0", 372'-6, 373'-0", 373'-6, 374'-0", 374'-6, 375'-0", 375'-6, 376'-0", 376'-6, 377'-0", 377'-6, 378'-0", 378'-6, 379'-0", 379'-6, 380'-0", 380'-6, 381'-0", 381'-6, 382'-0", 382'-6, 383'-0", 383'-6, 384'-0", 384'-6, 385'-0", 385'-6, 386'-0", 386'-6, 387'-0", 387'-6, 388'-0", 388'-6, 389'-0", 389'-6, 390'-0", 390'-6, 391'-0", 391'-6, 392'-0", 392'-6, 393'-0", 393'-6, 394'-0", 394'-6, 395'-0", 395'-6, 396'-0", 396'-6, 397'-0", 397'-6, 398'-0", 398'-6, 399'-0", 399'-6, 400'-0", 400'-6, 401'-0", 401'-6, 402'-0", 402'-6, 403'-0", 403'-6, 404'-0", 404'-6, 405'-0", 405'-6, 406'-0", 406'-6, 407'-0", 407'-6, 408'-0", 408'-6, 409'-0", 409'-6, 410'-0", 410'-6, 411'-0", 411'-6, 412'-0", 412'-6, 413'-0", 413'-6, 414'-0", 414'-6, 415'-0", 415'-6, 416'-0", 416'-6, 417'-0", 417'-6, 418'-0", 418'-6, 419'-0", 419'-6, 420'-0", 420'-6, 421'-0", 421'-6, 422'-0", 422'-6, 423'-0", 423'-6, 424'-0", 424'-6, 425'-0", 425'-6, 426'-0", 426'-6, 427'-0", 427'-6, 428'-0", 428'-6, 429'-0", 429'-6, 430'-0", 430'-6, 431'-0", 431'-6, 432'-0", 432'-6, 433'-0", 433'-6, 434'-0", 434'-6, 435'-0", 435'-6, 436'-0", 436'-6, 437'-0", 437'-6, 438'-0", 438'-6, 439'-0", 439'-6, 440'-0", 440'-6, 441'-0", 441'-6, 442'-0", 442'-6, 443'-0", 443'-6, 444'-0", 444'-6, 445'-0", 445'-6, 446'-0", 446'-6, 447'-0", 447'-6, 448'-0", 448'-6, 449'-0", 449'-6, 450'-0", 450'-6, 451'-0", 451'-6, 452'-0", 452'-6, 453'-0", 453'-6, 454'-0", 454'-6, 455'-0", 455'-6, 456'-0", 456'-6, 457'-0", 457'-6, 458'-0", 458'-6, 459'-0", 459'-6, 460'-0", 460'-6, 461'-0", 461'-6, 462'-0", 462'-6, 463'-0", 463'-6, 464'-0", 464'-6, 465'-0", 465'-6, 466'-0", 466'-6, 467'-0", 467'-6, 468'-0", 468'-6, 469'-0", 469'-6, 470'-0", 470'-6, 471'-0", 471'-6, 472'-0", 472'-6, 473'-0", 473'-6, 474'-0", 474'-6, 475'-0", 475'-6, 476'-0", 476'-6, 477'-0", 477'-6, 478'-0", 478'-6, 479'-0", 479'-6, 480'-0", 480'-6, 481'-0", 481'-6, 482'-0", 482'-6, 483'-0", 483'-6, 484'-0", 484'-6, 485'-0", 485'-6, 486'-0", 486'-6, 487'-0", 487'-6, 488'-0", 488'-6, 489'-0", 489'-6, 490'-0", 490'-6, 491'-0", 491'-6, 492'-0", 492'-6, 493'-0", 493'-6, 494'-0", 494'-6, 495'-0", 495'-6, 496'-0", 496'-6, 497'-0", 497'-6, 498'-0", 498'-6, 499'-0", 499'-6, 500'-0", 500'-6, 501'-0", 501'-6, 502'-0", 502'-6, 503'-0", 503'-6, 504'-0", 504'-6, 505'-0", 505'-6, 506'-0", 506'-6, 507'-0", 507'-6, 508'-0", 508'-6, 509'-0", 509'-6, 510'-0", 510'-6, 511'-0", 511'-6, 512'-0", 512'-6, 513'-0", 513'-6, 514'-0", 514'-6, 515'-0", 515'-6, 516'-0", 516'-6, 517'-0", 517'-6, 518'-0", 518'-6, 519'-0", 519'-6, 520'-0", 520'-6, 521'-0", 521'-6, 522'-0", 522'-6, 523'-0", 523'-6, 524'-0", 524'-6, 525'-0", 525'-6, 526'-0", 526'-6, 527'-0", 527'-6, 528'-0", 528'-6, 529'-0", 529'-6, 530'-0", 530'-6, 531'-0", 531'-6, 532'-0", 532'-6, 533'-0", 533'-6, 534'-0", 534'-6, 535'-0", 535'-6, 536'-0", 536'-6, 537'-0", 537'-6, 538'-0", 538'-6, 539'-0", 539'-6, 540'-0", 540'-6, 541'-0", 541'-6, 542'-0", 542'-6, 543'-0", 543'-6, 544'-0", 544'-6, 545'-0", 545'-6, 546'-0", 546'-6, 547'-0", 547'-6, 548'-0", 548'-6, 549'-0", 549'-6, 550'-0", 550'-6, 551'-0", 551'-6, 552'-0", 552'-6, 553'-0", 553'-6, 554'-0", 554'-6, 555'-0", 555'-6, 556'-0", 556'-6, 557'-0", 557'-6, 558'-0", 558'-6, 559'-0", 559'-6, 560'-0", 560'-6, 561'-0", 561'-6, 562'-0", 562'-6, 563'-0", 563'-6, 564'-0", 564'-6, 565'-0", 565'-6, 566'-0", 566'-6, 567'-0", 567'-6, 568'-0", 568'-6, 569'-0", 569'-6, 570'-0", 570'-6, 571'-0", 571'-6, 572'-0", 572'-6, 573'-0", 573'-6, 574'-0", 574'-6, 575'-0", 575'-6, 576'-0", 576'-6, 577'-0", 577'-6, 578'-0", 578'-6, 579'-0", 579'-6, 580'-0", 580'-6, 581'-0", 581'-6, 582'-0", 582'-6, 583'-0", 583'-6, 584'-0", 584'-6, 585'-0", 585'-6, 586'-0", 586'-6, 587'-0", 587'-6, 588'-0", 588'-6, 589'-0", 589'-6, 590'-0", 590'-6, 591'-0", 591'-6, 592'-0", 592'-6, 593'-0", 593'-6, 594'-0", 594'-6, 595'-0", 595'-6, 596'-0", 596'-6, 597'-0", 597'-6, 598'-0", 598'-6, 599'-0", 599'-6, 600'-0", 600'-6, 601'-0", 601'-6, 602'-0", 602'-6, 603'-0", 603'-6, 604'-0", 604'-6, 605'-0", 605'-6, 606'-0", 606'-6, 607'-0", 607'-6, 608'-0", 608'-6, 609'-0", 609'-6, 610'-0", 610'-6, 611'-0", 611'-6, 612'-0", 612'-6, 613'-0", 613'-6, 614'-0", 614'-6, 615'-0", 615'-6, 616'-0", 616'-6, 617'-0", 617'-6, 618'-0", 618'-6, 619'-0", 619'-6, 620'-0", 620'-6, 621'-0", 621'-6, 622'-0", 622'-6, 623'-0", 623'-6, 624'-0", 624'-6, 625'-0", 625'-6, 626'-0", 626'-6, 627'-0", 627'-6, 628'-0", 628'-6, 629'-0", 629'-6, 630'-0", 630'-6, 631'-0", 631'-6, 632'-0", 632'-6, 633'-0", 633'-6, 634'-0", 634'-6, 635'-0", 6

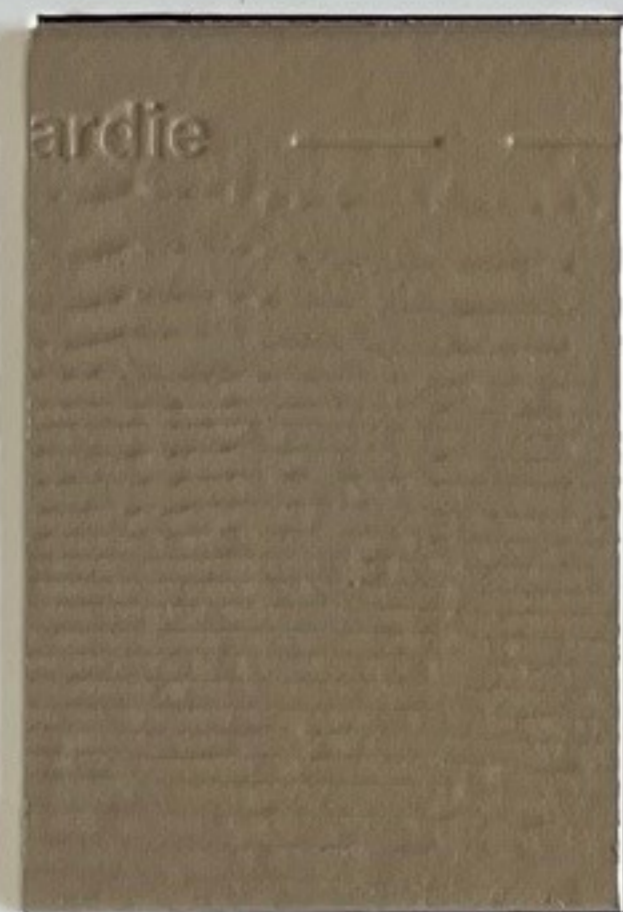
RENDERINGS & FAÇADE MATERIAL BOARD







Brick Veneer - Accent



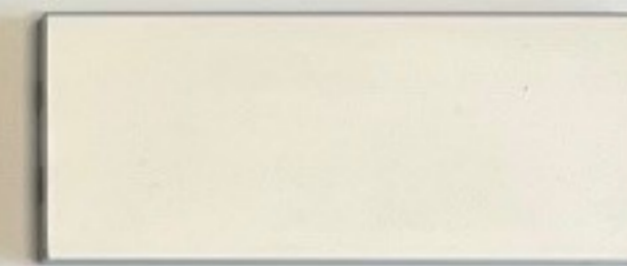
Lap Siding - James Hardie Siding
Color: Khaki Brown



Prefinished Metal Coping
Color: Sierra Tan



Asphalt Shingles
Color: Pewter Gray



Clear Anodized Aluminum Frames



Low-E Tinted Glass



Brick Veneer - Field



PROJECT NARRATIVE

LAW OFFICES
LANDRY, MAZZEO, DEMBINSKI & STEVENS, P.C.

37000 GRAND RIVER AVENUE, SUITE 200
FARMINGTON HILLS, MICHIGAN 48335

www.lmdlaw.com

D. B. LANDRY
dlandry@lmdlaw.com

Office: (248) 476-6900
Direct: (248) 919-3783
Fax: (248) 476-6564

February 26, 2024

Hand-delivery and Email: bmcbeth@cityofnovi.org

Attn: Ms. Barbara McBeth
City of Novi
Planning Department
45175 W. Ten Mile Road
Novi, MI 48375-3024

RE: Jax Kar Wash Novi.
Application for rezoning with PRO.
Pre-App 23-031

Dear Ms. McBeth:

Please accept this as a narrative accompanying the Application for Re-Zoning to B-3 with Planned Re-Zoning Overlay to allow the development of a single B-3 use of auto wash at this location.

We are proposing to develop a Jax Kar Wash on this site, which is part of the larger development Twelve Mile Crossing at Fountain Walk. This particular site has remained undeveloped during the entire existence of Fountain Walk for 22 years, since 2002.

Accompanying this narrative is an Application for Re-Zoning with PRO. Seven sets of a PRO Concept Plan are included along with the PRO checklist. A Pre-Application Meeting was held on December 7, 2023 and following that meeting the City issued its formal review comments. The comments of the city are addressed in the attached Concept PRO Plan Sheets.

The Fountain Walk development is on property zoned RC Regional Center. The applicant is proposing a re-zoning from RC to B-3 with a PRO to allow only one B-3 use - auto wash. If approved, the applicant will propose a PRO Agreement that would limit the use of the site to only an auto wash. No other B-3 uses would be allowed.

The attached Concept Site Plan sheets show that the proposed 6,308 square foot building and site development exceeds the set back provisions otherwise required in a B-3 district. The average height of the building is 24 feet three inches which is less than the 30-feet allowed in a B-3 district. While city ordinances require 30% minimum brick on all facades the proposed building exceeds this requirement with 55.9% brick on the North side; 49.6% brick on the East side; 59.9%

brick on the South side and 55.6% brick on the West side. The attached landscape calculation sheet, L-1.1, points out that:

“Preservation of existing mature R.O.W. trees along 12 Mile Road and Cabaret Drive and exceed the requirement with eight extra existing trees at Cabaret Drive and two extra existing trees at 12 Mile Road.

Note: Site grade is depressed from Cabaret and 12 Mile Road creating a natural buffer.

Note: Additional plantings proposed at the NW corner of the site to enhance landscape and additional ornamental trees proposed adjacent to the building. Plant quantity and type to be determined by city direction.”

There is a distinct Public Benefit which this proposal brings in the form of not only the protection of existing adjacent uses but unquestionable enhancement of the adjacent use. Fountain Walk has existed for 22 years since its opening in 2002. This particular parcel, in the extreme North West of the shopping center, has remained fallow and un-development the entire time. The attached letter from Micheal Zimmermann, the owner of Fountain Walk, explains why. The nature of the Foutain Walk Shopping Center is such that major retailers - the key to the very existence of such a large shopping centers - require certain restrictions on other uses in the center. While restaurants are a permitted use in an RC zoning district, Fountain Walk “cannot have any restaurant that competes with any of the 12 existing restaurants.” The only interest which has been shown in this North West parcel are gas stations or convenience stores. Gas stations are not a permitted use in an RC district and in the words of Mr. Zimmermann “this is not a use we want adjacent to this center.” (See Exhibit A)

Fountain Walk is a very large part of the regional commercial business area within the City of Novi. Its continued success is an important “public benefit” to the entire city. It is part of a diverse tax base and draws customers who patronize other Novi businesses and provides retail, dining, and entertainment options to Novi residents. Its continued success depends on its ability to draw customers.

Attached as Exhibit A are four letters of support for this requested re-zoning with PRO from: 1) the owner of Fountain Walk; 2) the owner of Emagine Theater; 3) the owner of Buddy’s Pizza and 4) the owner of Putting Edge.

Michael Zimmermann, the owner of Fountain Walk states:

“That is why we are excited about Jax Car Wash. This is a higher quality use that has absolutely no competition with our tenants. It brings a good amount of traffic to the area and will be complementary to the other tenants. Jaxs has a phenomenal reputation in Metro-Detroit and we feel they will be a good addition to our center. They do not require a lot of parking and the foot print works well for them....as the final piece of the final development of this center, I highly encourage the city of approve this use. It has been vacant too long and the interest is just not there.”

Mr. Paul Glantz of Emagine Theater writes:

“As a long-standing tenant of 12 Mile Crossing at Fountain Walk, we very much support the development of a Jax Kar Wash on the out lot located at the North West corner of the shopping center property. Bringing such an amenity to the center would encourage more annual visitors to the center and complement the already diverse array of services offered in the marketplace. Having recently gone through some challenging times in our industry, and not yet seeing the full recovery in patron count that we enjoyed prior to COVID we covet the opportunity to serve more guests. Not only will such an amenity add to the center’s foot traffic, but I can envision a scenario where customers choose to enjoy a feature film while their car is being detailed.”

Mr. David Wentrack, General Manager of Buddy’s Pizza in Novi writes:

“As the General Manager of Buddy’s Pizza, I support Jax’s being added to the lineup of business here at the mall. I think it would increase traffic. As a long time, Detroit business, I believe having another long time Detroit iconic brand nearby can only help business in the mall. I hope their plans to be put in the North West corner of the mall go forward.”

Ms. Jolene Bell of Putting Edge states:

“Hi Michael, I hope you are doing well. This email is in regards to the possibility of a Jax Car Wash in the Fountain Walk Plaza. We think this would be a good addition as it would bring in more traffic to the mall which could in turn bring us more traffic. This would also enhance the neighborhood appeal.”

The essence of a re-zoning with PRO is to provide certainty to the city regarding future use. Again, the applicant is proposing that the only B-3 use permitted would be an auto wash. That is certainty. Moreover, the applicant is not just any car wash. Jax Kar Wash is a Detroit area institution that has been in business since 1953. “Jax” is synonymous with “car wash” in the Detroit area.

Therefore, allowing a Jax Kar Wash on this parcel would protect and complement the adjacent uses.

The proposed development of this site is also tailored to minimizing traffic impacts. The entire ingress/egress to the car wash would be from the interior Fountain Walk Road off of Cabaret Drive. Thus, no ingress/egress from 12 Mile Road would be allowed. Traffic on 12 Mile road would not be adversely effected. As required by city ordinance a sidewalk along the East Edge of Cabaret Drive would be constructed to add to the pedestrian access to Fountain Walk.

It must also be borne in mind that the existing zoning classification, RC, is an intense use. The single proposed B-3 use is no more intense than an RC use. The hours of operation of the Jax Kar Wash would be Monday through Friday 7:00 a.m. to 6:00 p.m. and Saturday and Sunday 8:00 a.m. to 6:00 p.m. The city’s traffic consultant’s review of the Pre-Application Concept Plan

recognized that the number of traffic trips generated do not exceed the amount which would require a traffic impact study.

In sum, the proposed development of a Jax Kar Wash on this long vacant parcel of Fountain Walk is not only requested by the applicant, it is requested and supported by Fountain Walk itself and its tenant businesses. It would be a draw and add to the continuing success of Fountain Walk. This is truly a "public benefit".

The 22 years of vacancy on this parcel speaks to the unlikelihood of any development on this parcel in the absence of this requested re-zoning with PRO.

The applicant looks forward to the city's comments and to making a presentation to the Planning Commission and City Council as required by Novi Zoning Ordinance Section 7.13.2. Please do not hesitate to contact the applicant Todd Gesund of Jax Kar Wash, Mr. Zimmermann of Fountain Walk or the undersigned for any additional information. Thank you for your consideration.

Very truly yours,

LANDRY, MAZZEO, DEMBINSKI & STEVENS, P.C.

/s/ David B. Landry
David B. Landry

DBL/slw
Cc:



TWELVE MILE CROSSING
— AT FOUNTAIN WALK —

November 7, 2023

The City of Novi
45175 W 10 Mile Road
Novi, MI 48375

To The City of Novi,

My name is Michael Zimmermann and I am the owner of the shopping center Twelve Mile Crossing at Fountain Walk. I have been the owner since November 1, 2020. Before that, my father-in-law, Stanley Spigel was the owner. Between the two of us, the center has been owned by our family for almost 15 years. In that time, there has been a very well located piece of land that has been very difficult to sell or lease. The reason being is that this land is subject to all of the restrictions that the center is subject to. There are over 30 tenants and several of them have restrictions in their leases.

These include all competition with existing restaurants so we cannot have any restaurant that competes with any of the 12 existing restaurants. In addition, Dicks and Floor and Décor have several restrictions in their leases for many other businesses, even if it does not compete with them. We have had a lot of interest from Gas Station/Convenience Stores. This is not a use we want adjacent to this center. I have worked very hard in filling the center, which it is now 100% occupied for the first time since it was built, and I do not want any use that does not compliment the center or that brings it down.

Most of the interest has been from investors that want the land to develop as they wish. Other uses have been too competitive with my existing tenants and would violate their leases. It has been very difficult to find a use that was both a high quality tenant and not in violation of our exclusions.

That is why we are excited about Jax Kar Wash. This is a higher quality use that has absolutely no competition with our tenants. It brings a good amount of traffic to the area and will be complimentary to the other tenants. Jax has a phenomenal reputation in metro-Detroit and we feel they will be a good addition to our center. They do not require a lot of parking and the footprint works well for them.

We had to get special amendments from Dicks and Floor and Décor even for this use. They both agreed, but we had to give one of them concessions in order to get this permission. I do not anticipate this causing any traffic issues as the entrance is not going to be on 12 mile Rd. As the final piece to the completed development of this center, I highly encourage the city to approve this use. It has been vacant too long and the interest



TWELVE MILE CROSSING
— AT FOUNTAIN WALK —

is just not there. I feel it could remain vacant for a very long time as there are just not that many uses allowed for this spot. I am free to speak about this at any time. My cell is 214-725-9933. Thank you for your consideration.

Sincerely,

Michael D. Zimmermann

Emagine Entertainment, Inc.
Mailing Address: P.O. Box 841, Troy, MI 48099-0841
Physical Address: 3838 Livernois Rd., Suite 200, Troy, MI 48083

January 17, 2024

Dear Michael,

As a long-standing tenant of Twelve Mile Crossing at Fountain Walk, we very much support the development of a Jax Kar Wash on the outlot located at the northwest corner of the shopping center property. Bringing such an amenity to the center would encourage more annual visitors to the center and complement the already diverse array of services offered in the marketplace. Having recently gone through some challenging times in our industry, and not yet seeing the full recovery in patron count that we enjoyed prior to Covid, we covet the opportunity serve more guests. Not only will such an amenity add to the center's foot traffic, but I can envision a scenario where customers choose to enjoy a feature film while their car is being detailed.

If you require special dispensation to secure the entitlements to move forward with the development, and positive affirmation from members of the business community would be of value, please don't hesitate to call on me.

With best regards,

Paul

Paul A. Glantz

Co-Founder / Chairman

Emagine Entertainment, Inc.

Mailing Address: P.O. Box 841, Troy, MI 48099-0841

Physical Address: 3838 Livernois Rd., Suite 200, Troy, MI 48083

P. 248.842.5817

www.emagine-entertainment.com

From: David Wentrack <dwentrack@buddyspizza.com>

Subject: Jax Car Wash

Date: February 19, 2024 at 12:21:56 PM CST

To: Michael DuBois <michaeld@greeneearthrealty.net>

Hi Michael,

As the General Manager of Buddy's Pizza I support Jax being added to the lineup of business here at the mall. I think it would increase traffic. As a long time Detroit business, I believe having another long time Detroit iconic brand nearby can only help businesses in the mall. I hope their plans to be put in the Northwest corner of the mall go forward.

Have a happy Monday,

David Wentrack
General Manager
Buddy's Pizza Novi, MI
dwentrack@buddyspizza.com

From: Jolene Bell <jolene.bell@puttingedge.com>

Subject: Jax Car Wash

Date: February 14, 2024 at 9:23:27 AM CST

To: Michael DuBois <michaeld@greeneearthrealty.net>

Cc: Mary Ledermann <mary@greeneearthrealty.net>

Hi Michael, I hope you are doing well. This email is in regards to the possibility of a Jax Car Wash in the Fountain Walk Plaza.

We think this would be a good addition as it would bring in more traffic to the mall which could in turn bring us more traffic. This would also enhance the neighborhood appeal.

Thanks,
Jolene

--

Jolene Bell
Director of Operations
Putting Edge Glow-in-The-Dark Mini Golf

P: [905-364-7901](tel:905-364-7901) | F: [905-364-7889](tel:905-364-7889) | W: www.puttingedge.com

PLANNING REVIEW



PLAN REVIEW CENTER REPORT

Planning Review

March 18, 2024

JZ24-02 JAX KAR WASH

Zoning Map Amendment No. 18.744

PETITIONER

Jax Kar Wash

REVIEW TYPE

PRO Concept Plan: Consideration of Eligibility

Rezoning Request from RC Regional Center to B-3 General Business with a Planned Rezoning Overlay

PROPERTY CHARACTERISTICS

Section	15	
Site Location	South of Twelve Mile Road, East of Cabaret Drive;	
Site School District	Novi Community School District	
Current Site Zoning	RC Regional Center	
Proposed Site Zoning	B-3 General Business	
Adjoining Zoning	North	RA Residential Acreage (with Consent Judgment), OS-1 Office Service
	East	RC Regional Center
	West	OST Office Service Technology
	South	RC Regional Center
Current Site Use	Vacant	
Adjoining Uses	North	Townhome development, Bank
	East	Parking lot for Fountain Walk
	West	Credit Union Headquarters
	South	Fountain Walk
Site Size	1.8 acres proposed for rezoning, to be split from larger 64-acre parcel	
Parcel ID's	50-22-15-200-112 (portion)	
Plan Date	February 9, 2024	

PROJECT SUMMARY

The subject property is located on the south side of Twelve Mile Road, west of Novi Road in Section 15 of the City of Novi. The property to be rezoned totals about 1.8 acres, and is part of the larger 64.3-acre Fountain Walk at Twelve Mile Crossing development. The parcel is proposed to be split and rezoned to B-3, General Business, in order to develop a car wash. The enclosed car wash tunnel building would be 6,212 square feet, with 23 exterior vacuum spaces. Site access would be from the existing Fountain Walk access road, so no new curb cuts on Cabaret Drive or Twelve Mile Road are proposed. The applicant is requesting to rezone with a Planned Rezoning Overlay.

PRO OPTION

The PRO option creates a "floating district" with a conceptual plan attached to the rezoning of a parcel. As part of the PRO, the underlying zoning is proposed to be changed (in this case from RC

to B-3), and the applicant submits a detailed conceptual plan for development of the site, along with site-specific conditions relating to the proposed improvements. After Staff and consultant review, the proposed request goes through initial review by the Planning Commission and City Council to review and comment on whether the project meets the requirements of eligibility for a PRO. The applicant can then make any changes to the Concept Plan based on the feedback received, and resubmit for formal review. The Planning Commission holds a public hearing and makes a recommendation to City Council. The City Council reviews the Concept Plan, and if the plan receives tentative approval, it directs the preparation of an agreement between the City and the applicant, which also requires City Council approval. Following final approval of the PRO concept plan and PRO agreement, the applicant will submit for Preliminary and Final Site Plan approval under standard site plan review procedures. If development is not commenced within two years from the effective date of the PRO Agreement it will expire, unless otherwise agreed to by the parties.

RECOMMENDATION

Staff notes that with no other B-3 districts around, this request could be considered spot zoning. The applicant makes the case that developing a vacant parcel is the benefit of this proposal. However the general public is not likely concerned whether the property remains vacant or not, and the impact is incidental to any development proposed, not unique to this use.

Based on the information provided in the submittal, the proposed rezoning to B-3 does not meet the standards of the PRO Ordinance, as it lacks an overall benefit to the public that would outweigh the detriments. As presented, the B-3 rezoning would not be eligible for the optional rezoning with Planned Rezoning Overlay.

REVIEW CONCERNS

This project was reviewed for conformance with the Zoning Ordinance with respect to Article 3 (Zoning Districts), Article 4 (Use Standards), Article 5 (Site Standards), Section 7.13 (Amendments to Ordinance) and any other applicable provisions of the Zoning Ordinance. **Please see the attached chart for additional information pertaining to ordinance requirements.** Items in **bold** below must be addressed and incorporated as part of the next submittal:

1. Supporting Documentation: The applicant has provided the following as part of their application packet:
 - a. **Narrative**: The statement provided states Rezoning allows for development of a use that complements other uses in Fountain Walk while not competing with any restaurant or retail tenants. The parcel has been vacant for 22 years, and development of the property is a benefit to the public.
 - b. The statement includes conditions to limit the permitted use of the parcel to an auto wash, limit building height, exceed setbacks, and exceed the façade ordinance standards for brick material.
 - c. **Rezoning Traffic Impact Study**: AECOM's review noted at the time of Pre-application submittal that the proposed project did not meet the threshold to require a RTIS.
 - d. **Sign Location Plan: A rezoning sign location plan and sign detail has not been provided at this time. The sign locations and sign details must meet the requirements of the [Site Plan & Development Manual](#) (see pages 22-23).**
2. Eligibility for PRO (Section 7.13.2): *"In order to be eligible for the proposal and review of a rezoning with PRO, an applicant must propose a rezoning of property to a new zoning district classification, and must, as part of such proposal, propose clearly-identified site-specific conditions relating to the proposed improvements that (1) are in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district, including such regulations or conditions as set forth in Subsection C [of the Ordinance]; and (2) constitute an overall benefit to the public that outweighs any material detriments or*

that could not otherwise be accomplished without the proposed rezoning." **The applicant provided a request to rezone to B-3, along with a PRO Plan. The conditions proposed the permitted use of the parcel to an auto wash, limit building height, exceed setbacks, and exceed the façade ordinance standards for brick material. No deviations are requested at this time, however the applicant should refer to pages 9-10 of this review for deviations that appear to be required based on the site plans provided. Future submittals should include requested deviations along with a justification for each. The applicant states that the public benefit offered is development of a long-vacant parcel.**

Additional conditions could be included in the formal submittal that are more strict or limiting than would be permitted under the B-3 district. Based on the information provided in the submittal, it does not appear to meet the standard of providing an overall benefit to the public that would outweigh the detriments.

3. **Land Division**: The applicant proposes to rezone a portion of a larger parcel, and would need approval of a lot split by the Assessing Department. The new lot lines proposed may result in new parking and building setback issues for the existing Fountain Walk development. **It is unclear whether deviations could be included in the PRO Agreement, or if the owner of Fountain Walk would need to request those variances from the ZBA.**
4. **Exterior lighting (Section 5.7)**: A lighting and photometric plan is provided for the Residential portion of the project only. Calculations and ratios for lighting should exclude any unlit portions of the site (0.0 fc levels). **A deviation may be required if the 4:1 ratio cannot be achieved. See additional lighting comments in the Plan Review chart.**
5. **Plan Review Chart**: **The attached chart provides additional comments on many of the Ordinance review standards. Please refer to it in detail.**
6. **Other Reviews**:
 - a. **Engineering**: Engineering recommends approval of the PRO Concept Plan, with additional comments to be addressed in the Site Plan process. Negative impacts to public utilities are not expected with the requested change to residential and commercial use.
 - b. **Landscape**: Landscape review notes concerns with insufficient accessway perimeter plantings. **Landscape does not recommend approval at this time.**
 - c. **Traffic**: Traffic review notes that the applicant would need a deviation for lack of a loading zone. **Approval is recommended, with comments to be addressed in future submittals.**
 - d. **Woodlands**: There are no regulated woodland trees on the site.
 - e. **Wetlands**: There are no wetland areas on the site.
 - f. **Façade**: Façade notes that the elevations provided are not compliant with ordinance standards as the percentages of Horizontal Lap Siding and Asphalt Shingles exceed the permitted maximums. The relatively small deviations are not detrimental to the overall design, and are consistent with the intent of the Ordinance. **A Section 9 waiver is recommended for approval as a deviation in the PRO Agreement.**
 - g. **Fire**: Fire recommends conditional approval, if comments provided are addressed in subsequent submittals.

LAND USE AND ZONING: FOR SUBJECT PROPERTY AND ADJACENT PROPERTIES

The following table summarizes the zoning and land use status for the subject property and surrounding properties.

	Existing Zoning	Existing Land Use	Master Plan Land Use Designation
Subject Property	RC Regional Center	Vacant	Regional Center
Northern Parcels	RA Residential Acreage OS-1 Office Service	Residential neighborhood Bank	Multiple Family Residential Community office
Eastern Parcels	RC Regional Center	Vacant	Regional Center
Western Parcels	OST Office Service Technology	Vibe CU headquarters	Office Industrial Research Devel and Technology
Southern Parcels	RC Regional Center	Retail Center	Regional Center

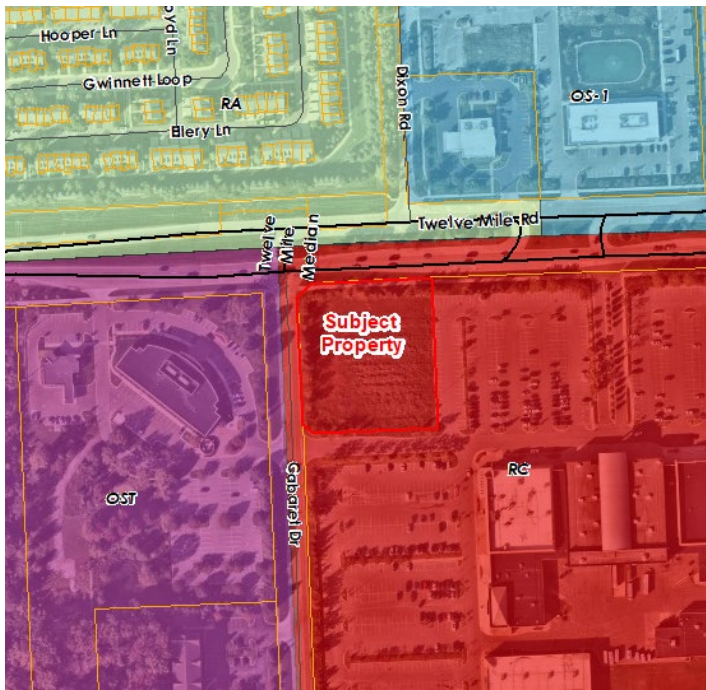


Figure 1: Current Zoning

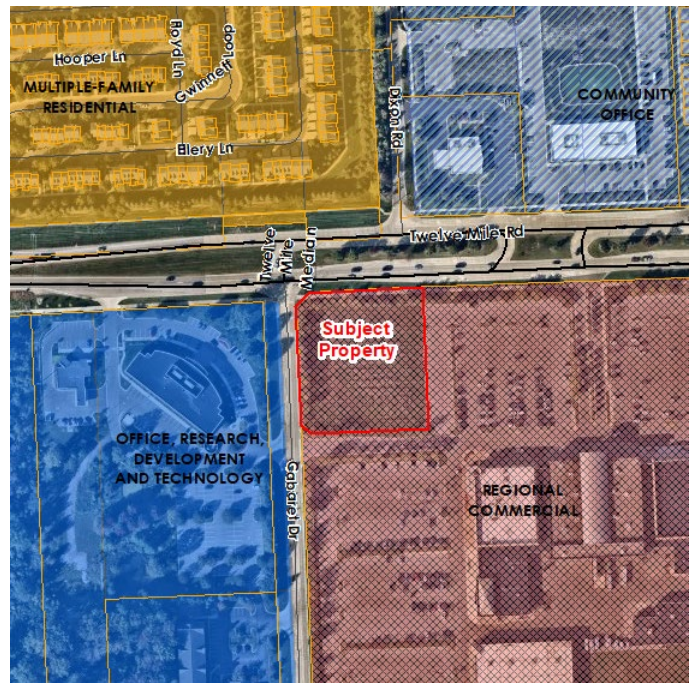


Figure 2: Future Land Use



Figure 3: Names of surrounding developments and businesses

Comparison of Zoning Districts

The following tables provide comparisons of the current and proposed zoning classifications. The proposed B-3 district is compared to RC. Both districts allow a range of commercial uses, but Regional Center developments generally have significant intensity and scale. The requirements for buffering, parking setbacks and lot coverage are similar for the RC and B-3 districts, however the building setbacks required for RC are much greater than for the B-3 district, and greater building height is allowed in RC as well.

The intent of the current zoning district, RC is "intended to permit major planned commercial centers that will, by virtue of their size, serve not only the local community, but the surrounding market as well." The Fountain Walk development is a retail, restaurant and entertainment center that draws its customer base from the wider region. However, the Regional Center district does not permit car washes. In fact, the only zoning district that permits auto washes is the B-3 General Business District. As stated in Section 3.1.12, the B-3 district "is designed to provide sites for more diversified business types which would be incompatible with the pedestrian movement in the Local Business district or the Community Business district."

	RC (EXISTING)	B-3 (PROPOSED)
Intent	This land use is designated for higher intensity commercial uses that serve not only the comparison-shopping needs of the entire community, but cater to a regional market as well.	The B-3, General Business district is designed to provide sites for more diversified business types which would often be incompatible with pedestrian movement in the Local Business or the Community Business district.
Principal Permitted Uses	Regional shopping centers Community shopping Professional office buildings Medical office, including laboratories and clinics Facilities for human care Financial institution uses with drive-in facilities as an accessory use only Personal service establishments Off-street parking lots Places of worship Publicly owned and operated parks, parkways, and outdoor rec facilities Professional office buildings, offices and office sales and service Transient residential uses Public or private health and fitness facilities and clubs Public utility offices and telephone exchange buildings The inpatient bed facility portion of general hospitals Bus and other transit passenger stations	Retail business and business service uses; Dry cleaning; Business establishments performing services on premises, professional services; Professional and medical offices; Fueling stations; Auto wash; Bus station; New & used car salesroom/showroom; Tattoo parlors; Public & private health and fitness; Microbrews and brewpubs; Day care and adult day care centers;
Special Land Uses	Open air business uses Sale of produce and seasonal plant materials outdoors Microbreweries Brewpubs Retail businesses use Retail business service uses Retail business or service establishments Restaurants	Outdoor space for sale of new & used vehicles; Motel; Veterinary hospitals or clinics; Plant material nursery; Public or private indoor/private outdoor recreation; Mini-lube or oil change establishment; Sale of produce and seasonal plant materials outdoors; Fast food carryout, drive-in, drive-through or sit down; **See attached copy of Section 3.1.12.C for complete list
Lot Size	Except where otherwise provided in this Ordinance, 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 as set forth in this Ordinance. (Section 3.6.2.D)	
Lot Coverage		
Building Height	45 feet or 3 stories	30 feet
Building Setbacks	Front: 100 feet Rear: 100 feet Side: 100 feet	Front: 30 feet Rear: 20 feet Side: 15 feet Exterior side yard setbacks same as front yard

	RC (EXISTING)	B-3 (PROPOSED)
Parking Setbacks See 3.6.2. for additional conditions	Front: 20 feet Rear: 10 feet Side: 10 feet Exterior side yard setbacks same as front	Front: 20 feet Rear: 10 feet Side: 10 feet Exterior side yard setbacks same as front

DEVELOPMENT POTENTIAL

The land is currently vacant, but was cleared/graded when the rest of Fountain Walk was developed in the early 2000s. Development under the current RC zoning could result in a retail, restaurant, office, or other permitted use being constructed. However, the RC district requires building setbacks of 100 feet from all property lines, which restricts the developable area of this corner site. Additionally, the site is impacted by two wide (55' and 60') Consumers Energy gas line easements running north and south along the eastern and western areas of the site. These factors constrain the developable area of the site considerably. In the image below, the Consumers easements are shown in yellow, and the green hatch area represents the approximate building area with 100-foot setbacks as required in the RC District.



2016 MASTER PLAN FOR LAND USE: GOALS AND OBJECTIVES

The proposed use is currently not recommended by the 2016 Master Plan for Land Use. The following objectives as listed in the Master Plan are applicable for the proposed development. However, at this time the plan follows only a few. **The applicant should consider revisions to the plan**

to comply with as many goals as possible. Please refer to staff comments in bold and revisions recommended in **bold and underline**.

1. General Goal: Community Identity
 - a. Maintain quality architecture and design throughout the City. **The current proposed elevations require Section 9 waivers, which are supported in this case as they are consistent with the intent of the Ordinance. Please refer to the façade review letter detailed comments.**
2. General Goal: Environmental Stewardship
 - a. Protect and maintain the City's woodlands, wetlands, water features, and open space. The concept plan proposes additional removal of regulated woodlands. **This parcel was cleared in the early 2000's when the rest of Fountain Walk was developed.**
 - b. Increase recreational opportunities in the City.
 - c. Encourage energy-efficient and environmentally sustainable development through raising awareness and standards that support best practices. **The applicant should consider sustainable, energy-efficient and best-practice design for site elements and building materials, such as LEED recommended strategies.**
3. General Goal: Infrastructure
 - a. Provide and maintain adequate water and sewer service for the City's needs. **Please refer to the Engineering memo.**
 - b. Provide and maintain adequate transportation facilities for the City's needs. Address vehicular and non-motorized transportation facilities.
4. General Goal: Economic Development
 - a. Retain and support the growth of existing businesses and attract new businesses to the City of Novi. **The proposed Jax Kar Wash would be a new business in the City, and may provide a customer draw to other businesses within Fountain Walk.**

MAJOR CONDITIONS OF PLANNED REZONING OVERLAY AGREEMENT

The Planned Rezoning Overlay process involves a PRO concept plan and specific PRO conditions in conjunction with a rezoning request. The submittal requirements and the process are codified under the PRO ordinance (Section 7.13.2). Within the process, which is initiated by the applicant, the applicant and City Council can agree on a series of conditions to be included as part of the approval which must be reflected in the Concept Plan and or the PRO agreement.

The PRO conditions must be in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district. *Development and use of the property shall be subject to the more restrictive requirements shown or specified on the PRO Plan, and/or in the PRO Conditions imposed, and/or in other conditions and provisions set forth in the PRO Agreement.*

The applicant has listed the following benefits/conditions for development (**Staff comments are in bold**):

1. The use shall be limited to a car wash. No other uses permitted in the B-3 District would be allowed on this site.
2. The building height will be 24.5 feet, which is more limiting than the 30 feet allowed in the B-3 District.
3. The building setbacks will exceed the B-3 requirements on all sides. Front and exterior side yards are 68-88 ft (30 ft required) and interior side yards are 54-138.6 feet (15 ft required).
4. The façade ordinance requires a minimum of 30% brick on all elevations. The proposed building exceeds this requirement with 49.6 to 59.9%.

Additional conditions to be included in the PRO Agreement, if it should be approved, will likely be added during the review process.

ORDINANCE DEVIATIONS

Section 7.13.2.D.i.c(2) permits deviations from the strict interpretation of the Zoning Ordinance within a PRO agreement. These deviations must be accompanied by a finding by City Council that **"each Zoning Ordinance provision sought to be deviated would, if the deviation were not granted, prohibit an enhancement of the development that would be in the public interest, and that approving the deviation would be consistent with the Master Plan and compatible with the surrounding areas."** Such deviations must be considered by City Council, who will make a finding of whether to include those deviations in a proposed PRO agreement. A PRO agreement would be considered by City Council only after tentative approval of the proposed concept plan and rezoning.

Staff has reviewed the applicant's Concept Plan in as much detail as possible to determine what deviations from the Zoning Ordinance are currently shown. The applicant may choose to revise the concept plan to better comply with the standards of the Zoning Ordinance, or may proceed with the plan as submitted with the understanding that those deviations would have to be approved by City Council in a proposed PRO agreement. **The applicant has not requested any deviations or proposed benefits that would outweigh any detriments. The applicant should refer to all review letters and identify what deviations they would seek and what they would revise the plan to conform.**

The following Ordinance deviations appear to be required based on the site plan. **Staff comments are in bold.**

1. Overhead Door (Sec. 3.10.1.A): In the B-3 District, no overhead door or other type of service bay door is permitted to face a major thoroughfare. A deviation would be required for the car wash tunnel door facing Twelve Mile Road. **No justification has been provided.**
2. Parking Setback (Sec. 3.1.24.D): The existing parking spaces east of the proposed lot line would require a deviation from 10-foot setback (0 feet proposed). **Unclear if this deviation can be included in the PRO Agreement for off-site parcel. Zoning Board of Appeals may need to approve the variance request.**
3. Existing Building Setback (Sec. 3.1.24.D): The existing building (Buddy's Restaurant space) southeast of the proposed lot line may require a deviation from 100-foot setback. **Unclear if this deviation can be included in the PRO Agreement for off-site parcel. Zoning Board of Appeals may need to approve the variance request. Applicant shall provide a dimension to verify proposed setback.**
4. Dumpster (Sec. 4.19.2.F): The current location of the dumpster in front of the building would require a deviation. **No justification has been provided. This deviation may not be supported as it is in a very conspicuous location.**
5. Loading-Unloading Zone (Sec. 5.4.2): Deviation would be required for the lack of a loading zone. **No justification has been provided.**
6. Parking Lot Landscaping (Section 5.5.3.C): Deviation would be required for not providing the required number of accessway perimeter trees. **The deviation is not supported by staff, unless the applicant can provide sufficient justification for the deficiency.**

7. Correlated Color Temperature (Section 5.7.3.F): Deviation may be required for exceeding 3000K Correlated Color Temperature (4000K proposed) for permanent lighting installations. **No justification has been provided.**
8. Section 9 Waiver (Section 5.15): Proposed elevations of the building have an overage of Horizontal lap siding (8-10% proposed, 0% minimum required) and an overage of Asphalt Shingles (31-36% proposed, 25% maximum allowed). **In this case the deviations are not detrimental to the overall design of the building, and consistent with the intent and purpose of the Ordinance.**

APPLICANT'S BURDEN UNDER PRO ORDINANCE

The Planned Rezoning Overlay ordinance (PRO) requires the applicant to demonstrate that certain requirements and standards are met. The applicant should be prepared to discuss these items, especially in number 1 below, where the ordinance suggests that the enhancement under the PRO request would be unlikely to be achieved or would not be assured without utilizing the Planned Rezoning Overlay. Section 7.13.2.D.ii states the following:

1. *(Sec. 7.13.2.D.ii.a) The PRO accomplishes the integration of the proposed land development project with the characteristics of the project area in such a manner that results in an enhancement of the project area as compared to the existing zoning that would be unlikely to be achieved or would not be assured in the absence of the use of a Planned Rezoning Overlay.*
2. *(Sec. 7.13.2.D.ii.b) Sufficient conditions shall be included on and in the PRO Plan and PRO Agreement such that the City Council concludes, in its discretion, that, as compared to the existing zoning and considering the site specific land use proposed by the applicant, it would be in the public interest to grant the Rezoning with Planned Rezoning Overlay. In determining whether approval of a proposed application would be in the public interest, the benefits which would reasonably be expected to accrue from the proposal shall be balanced against, and be found to clearly outweigh the reasonably foreseeable detriments thereof, taking into consideration reasonably accepted planning, engineering, environmental and other principles, as presented to the City Council, following recommendation by the Planning Commission, and also taking into consideration the special knowledge and understanding of the City by the City Council and Planning Commission.*

IDENTIFYING BENEFITS TO PUBLIC RESULTING FROM THE REZONING AND THE PROPOSED DEVIATIONS

Section 7.13.2.D.ii states that the City Council must determine that the proposed PRO rezoning would be in the public interest and that the benefits to the public of the proposed PRO rezoning would clearly outweigh the detriments. The following benefit is proposed by the applicant (as listed in their narrative) to qualify as an enhancement of the project area:

- The applicant makes the case that developing a vacant parcel is the benefit of this proposal. The parcel has remained undeveloped since Fountain Walk was developed 22 years ago. They state the continued success of Fountain Walk is a public benefit to the city. **These stated benefits are incidental to any development proposed, not unique to this PRO request, and would not qualify as a "public benefit" that would outweigh the detriments.**

This is a PRO in which the applicant seeks both a rezoning and a list of ordinance deviations. In Staff's opinion the proposed benefits to the City could be enhanced, and we have offered some suggestions for the applicant to consider in this and the other review letters.

The Planning Commission and City Council should offer their thoughts on whether the proposed benefits would qualify, and whether they have other ideas for improvements to the proposal.

NEXT STEP: PLANNING COMMISSION CONSIDERATION OF ELIGIBILITY

The Planning Commission will have an opportunity to discuss the initial submittal and eligibility of the rezoning request from OS-1 (Office Service) and I-1 (Light Industrial) to B-3 (General Business) and RM-1 (Multiple Family Low Rise Residential) with a Planned Rezoning Overlay.

As stated in the newly amended PRO Ordinance,

In order to be eligible for the proposal and review of a rezoning with PRO, an applicant must propose a rezoning of property to a new zoning district classification, and must, as part of such proposal, propose clearly-identified site-specific conditions relating to the proposed improvements that,

- (1) are in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district, including such regulations or conditions as set forth in Subsection C below; and*
- (2) constitute an overall benefit to the public that outweighs any material detriments or that could not otherwise be accomplished without the proposed rezoning.*

(See attachment for Full text, including Subsection C)

CITY COUNCIL CONSIDERATION OF ELIGIBILITY

Following the Planning Commission's initial review of the proposed project, the City Council will likewise have the opportunity to review the PRO proposal and comment on whether the project is eligible for the PRO process.

In this review letter, staff identifies significant concerns with spot zoning, non-compliance with the Master Plan for Land Use, and lack of public benefits. **Based on the feedback provided, and any additional comments from the Planning Commission and City Council, the applicant should consider addressing those comments and revise the drawings accordingly to offset the impacts of the proposed change of use on the surrounding development before the formal PRO Concept submittal. In addition, resolution of the outstanding parcel configuration must be accomplished.**

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 with PRO

Review Date: March 18, 2024
Review Type: Initial PRO Plan
Project Name: **JZ24-02 JAX KAR WASH** (44475 Twelve Mile)
Plan Date: February 9, 2024
Prepared by: Lindsay Bell, Senior Planner
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 Requirements				
Master Plan	Regional Commercial	General Commercial	No	
Zoning <i>(Effective Jan. 8, 2015)</i>	RC: Regional Center District	B-3: General Business District	No	Rezoning to B-3 requested using PRO
Uses Permitted <i>(Sec 3.1.11.B & C)</i>	Sec 3.1.12.B Principal Uses Permitted.	Auto Wash	Yes	Permitted Use in B-3 District
Auto wash <i>(Sec 4.32)</i>	Permitted use in B-3 when completely enclosed in a building	Wash completely enclosed in a building. There are vacuum stations outside the building.	Yes	
Planned Rezoning Overlay Document Requirements (Section 7.13.2 & Site Plan & Development Manual)				
Written Statement (Section 7.13.2) The statement should include the following:	Statement of eligibility for PRO Approval: Describe the rezoning requested including uses proposed, justification for why it makes sense	Attorney letter states use limited to Auto Wash		
	How does the project constitute an overall benefit to the public that outweighs any material detriments or could otherwise be accomplished without the rezoning?	Letter states development of the property is a benefit to community; protection of surrounding uses from competing uses	No	Review Section 7.13.2 of the ZO to understand PRO requirements for benefits to the public. Cannot be incidental or general benefits of development.
	Deviations and Conditions proposed for inclusion in the PRO Agreement (i.e., Zoning Ordinance deviations,	Use to be restricted to Auto Wash only; height and setbacks more limiting, exceeding brick requirement; no other deviations or conditions noted		Propose conditions that would be more limiting than would be allowed under proposed zoning districts, identify and provide justification of deviations from ZO

	limitation on total units, height or uses, etc)			requirements
Rezoning Traffic Impact Study Site development Manual	Required regardless of site size, with requirements in SDM	Not required as does not meet conditions	NA	
Community Impact Statement (Sec. 2.2)	Required according to site plan manual (SDM link: Site development Manual)	Not required	NA	
Rezoning Signs (Site Plan Development Manual)	Sign location plan Mock-up of sign details	Not provided Not provided	No No	<u>Provide with next submittal – this is required</u>
B-3 Business District Required Conditions (Sec. 3.10)				
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	Car Wash tunnel door will face Twelve Mile Road	No	<u>This will require a variance</u>
Height, bulk, density, and area limitations (Sec 3.1.12)				
Frontage on a Public Street. (Sec. 5.12)	Frontage on a Public Street is required	Frontage on Cabaret and Twelve Mile	Yes	
Access to Major Thoroughfare (Sec. 5.13)	Direct access to Major Thoroughfare is required unless noted in Section 5.13	Access to Twelve Mile via Fountain Walk Road and Cabaret Dr	Yes	
Building Height (Sec. 3.1.12.D)	30 ft	No building details provided, plan indicates height of 22.5 ft	Yes?	
Building Setbacks (Sec 3.1.12.D)				
Front (Twelve Mile)	30 ft.	88.51 ft.	Yes	
Exterior Side (Cabaret)	30 ft.	68.5 ft.	Yes	
Side (east)	15 ft.	138.6 ft	Yes	
Side (south)	15 ft.	54.26 ft	Yes	
Parking Setback (Sec 3.1.12.D)				
Front (Twelve Mile)	20 ft.	Not proposed		

Exterior Side (Cabaret)	20 ft.	Not proposed		-Proposed lot line will be adjacent to existing parking spaces on east side, which will require a parking setback deviation.
Side (east)	10 ft.	Exceeds -off-site spaces will be 0' from proposed lot line	Yes No	
Side (south)	10 ft.	Exceeds	Yes?	
Note To District Standards (Sec 3.6.2)				
Exterior Side Yard Abutting a Street (Sec 3.6.2.C)	All exterior side yards abutting a street shall be provided with a setback equal to the front yard setback requirement of the district in which located.	Cabaret Dr frontage is exterior side yard	Yes	
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	-	TBD	
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 minimum off-street parking setback requirements in Sec. 3.1 and 5.5.3	Not proposed	NA	
Wetland/ Watercourse Setback (Sec 3.6.2.M)	Refer to Sec 3.6.2 for more details.	No wetlands	NA	
Parking setback screening (Sec 3.6.2.P)	Required parking setback area shall be landscaped per sec 5.5.3.	Some landscaping shown on plan		See landscape letter for requirements
Modification of parking setback requirements (Sec 3.6.2.Q)	Refer to Sec 3.6.2 for more details	None proposed	NA	
Parking, Loading, and Dumpster Requirements				
Auto-wash (automatic) (5.2.12.C.)	Two + 1 for each employee + 1 for each vacuum station or similar area	1 per vacuum stall - Required: 23 - Provided: 23 2 + 1 per employee - Required: 6 - Provided: 6	Yes	Applicant states that 5 parking spaces will be provided off-site. Legal document to share parking will be required

		Total: - 28 required - 22 provided		
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	24' drive aisle 21' one-way drives Vacuum stalls 12' x 20'	Yes	
Posted Fire Lanes (D.C.S Sec. 158-99(a))	The minimum width of a posted fire lane is 20 feet. The minimum height of a posted fire lane is 14 feet.	Fire lanes are 21 ft. Canopy located over the point of sale must meet the minimum height	Yes	Confirm the height of the structures at POS
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	Complies	Yes	
End Islands (Sec. 5.3.12)	- End Islands with landscaping and raised curbs are required at the end of all parking bays that abut traffic circulation aisles. - The end islands shall generally be at least 8 feet wide, have an outside radius of 15 feet, and be constructed 3' shorter than the adjacent parking stall as illustrated in the Zoning Ordinance	Not proposed	NA	
Barrier Free Spaces <i>Barrier Free Code (2012 Michigan Building Code)</i>	- 22 parking spaces: 1 van Accessible Space required - Every 6 or fraction of six accessible parking spaces, at least one shall be van-accessible	Proposed	Yes	
Barrier Free Space Dimensions <i>Barrier Free Code (2012 Michigan Building Code)</i>	- 8' wide with an 8' wide access aisle for van accessible spaces - 8' wide with a 5' wide access aisle for regular accessible spaces	Proposed	Yes	

Barrier Free Signs <i>Barrier Free Code</i>	One sign for each accessible parking space.	Indicated	Yes	
Minimum number of Bicycle Parking <i>(Sec. 5.16.1)</i>	Minimum 2 spaces	Shown	Yes	
Bicycle Parking General requirements <i>(Sec. 5.16)</i>	<ul style="list-style-type: none"> - 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 - Spaces to be paved and the bike rack shall be inverted "U" design - Shall be accessible via 6 ft. paved sidewalk 	Indicated	Yes	Layout will be reviewed at time of site plan submittal
Bicycle Parking Lot layout <i>(Sec 5.16.6)</i>	Parking space width: 7 ft. One tier width: 11 ft. Two tier width: 18 ft. Maneuvering lane width: 4 ft. Parking space depth: 32 in.	Indicated	Yes	Layout will be reviewed at time of site plan submittal
Loading Spaces <i>(Sec. 5.4.2)</i>	<ul style="list-style-type: none"> - 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. 	Not proposed	No	Provide 500 sf loading area or <u>provide justification for PRO deviation</u>
Dumpster <i>(Sec 4.19.2.F)</i>	<ul style="list-style-type: none"> - 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 	Front yard placement	No	Relocate the dumpster to a less conspicuous location – may be in side yard, but not in front of actual building setback <u>Current location requires a deviation – provide justification.</u>

	<ul style="list-style-type: none"> setback - If no setback, then it cannot be any closer than 10 ft, from property line. - Away from Barrier free Spaces 			
Dumpster Enclosure (Sec. 21-145. (c))	<ul style="list-style-type: none"> - Screened from public view - A wall or fence 1 ft. higher than height of refuse bin - And no less than 5 ft. on three sides - Posts or bumpers to protect the screening - Hard surface pad. - Screening Materials: Masonry, wood or evergreen shrubbery 	Dumpster enclosure elevation not shown	No	Indicate the height of the dumpster itself and note that the enclosure will be at least one foot higher than the dumpster; screening enclosure should match masonry of building
Outdoor Vacuums	Provide specifications for the vacuums (dimensions, color scheme, decibel level, etc.)	Not provided	No	<u>Include a noise statement to show impact on adjacent uses and compliance with Sec. 5.14.10 – this could be a condition in the PRO Agreement.</u>
Vacuum Enclosure (Sec 4.19.2.F)	Accessory Structure - Must meet the same placement as Dumpster and be screened	Not shown	No	- If proposed show on plans and screen
Flagpoles (Sec 4.19.2.B)	May be located in front or exterior side yard, no closer to ROW than ½ the distance between the ROW and Principal building	Not proposed	NA	
Drive-through Lanes (Sec. 5.3.11)				
Drive-through Lanes Separation (Sec. 5.3.11.A,C)	Drive-through lanes shall be separate from the circulation routes & lanes necessary for ingress to & egress from the property	Separate circulation routes are provided	Yes	
Drive-through setbacks (Sec. 5.3.11.A,B)	Drive through shall follow parking setback requirements and applicable parking lot landscaping requirements	Appears to meet 10-ft side yard setback; 12.13 ft	Yes	

Bypass Lane for Drive-through (Sec. 5.3.11.D)	Drive-through facilities shall provide 1 bypass lane, min. of 18 ft. in width, unless otherwise determined by the Fire Marshal	Bypass lane provided; 21-ft wide	Yes	
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. per car	Appears to comply	Yes	
Drive-through Lane Delineated (Sec. 5.3.11.G)	Drive-through lanes shall be striped, marked, or otherwise delineated	Appears to be proposed	Yes	
Drive-Thru Stacking Spaces (Sec. 5.3.11.I)	Twenty-five (25) vehicles prior to the tunnel (may be in multiple lanes), three (3) vehicles beyond the tunnel for drying areas.	25 spaces before the tunnel shown Vacuum area beyond tunnel can serve as drying area	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 is provided	Yes	
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	Not proposed	NA	If proposed, Please indicate on the next submittal and provide dimensions of any equipment and screening
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	Not proposed	NA	
Noise Specifications (Sec. 5.14.10.A)	Site proposals must comply with the standards of the noise ordinance.	Specifications not provided.	No	Please indicate noise specifications for the car wash tunnel and vacuums on the next submittal (refer to section 5.14.10.A of the Ordinance)

Sidewalk Requirements

Sidewalks (Sec. 7.4.2 of the Engineering Design Manual)	- 8-foot sidewalk required along 12 Mile and 6-foot sidewalk along Cabaret Dr	Existing sidewalks present on 12 Mile. New 6' sidewalk on Cabaret Dr indicated	Yes	
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 pedestrian traffic both within the site and in relation to access streets	7-foot sidewalk connection to 12 Mile Road sidewalk. Also to employee parking area	Yes	
Building Code and Other Design Standard Requirements				
Design and Construction Standards Manual	Land description, Sidwell number (metes and bounds for acreage parcel, lot number(s), Liber, and page for subdivisions).	Not Provided	No	Include on cover sheet.
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).	Generally provided	No	See this and other reviews for information to be provided in future submittals
Economic Impact	- Total cost of the proposed building & site improvements - Number of anticipated jobs created (during construction & after building is occupied)		No	Include in the response letter for the next submittal.
Other Permits and Approvals				
Development/ Business Sign	Signage if proposed requires a permit.	Not indicated at this time	NA	If any signage deviations are anticipated, include with the PRO submittal

Development and Street Names	Development and street names must be approved by the Street Naming Committee before Preliminary Site Plan approval	Project name does not require approval.	NA	
Property Split	The proposed property split must be submitted to the Assessing Department for approval.	A split appears to be proposed.	TBD	If proposed, include proposed parcel boundaries and setbacks to existing parking/buildings.
Other Legal Requirements				
Existing Easements	Show all easements on a site survey	Provided on Topo	Yes	
Lighting and Photometric 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	Provided	Yes	
Lighting Plan (Sec. 5.7.A.1)	Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas & exterior lighting fixtures	Provided for subject site	Yes	
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.	Not provided		Provide with Final Site Plan submittal
Lighting Plan (Sec.5.7.2A.ii)	Specifications for all proposed & existing lighting fixtures	Provided	Yes	
	Photometric data	Provided	Yes	
	Fixture height	Provided	Yes	
	Mounting & design	Provided	Yes	

	Glare control devices	Provided	Yes	
	Type & color rendition of lamps			
	Hours of operation			
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)	22 feet proposed		
Standard Notes (Sec. 5.7.3.B)	<ul style="list-style-type: none"> - 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 	Notes provided	Yes	
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	3.4:1	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	80 CRI 4000K	Yes No	<u>Max 3000K – or seek deviation</u>
Indoor Lighting (Sec. 5.7.3.H)	Indoor lighting shall not be the source of exterior glare or spillover	Not shown		Shall comply
Security Lighting (Sec. 5.7.3.I) Lighting for security purposes shall be directed only onto the area to be secured.	<ul style="list-style-type: none"> - All fixtures shall be located, shielded, and aimed to not cast light toward adjacent properties or streets, or into the night sky. - Fixtures mounted on the building and designed to illuminate the facade are preferred 		TBD	
Parking Lot Lighting (Sec. 5.7.3.J)	<ul style="list-style-type: none"> - Provide the minimum illumination necessary to ensure adequate vision and comfort. 	Appears to comply	Yes	

	- Full cut-off fixtures shall be used to prevent glare and spillover.			
Min. Illumination (Sec. 5.7.3.L)	Parking areas: 0.2 min	0.5 fc	Yes	
	Loading & unloading areas: 0.4 min		NA	
	Walkways: 0.2 min	Not shown	TBD	Provide photometrics of sidewalk areas
	Building entrances, frequent use: 1.0 min	Not shown	TBD	Provide photometrics of building entry areas
	Building entrances, infrequent use: 0.2 min		NA	
Max. Illumination adjacent to Non-Residential (Sec. 5.7.3.K)	When site abuts a non-residential district, maximum illumination at the property line shall not exceed 1 foot candle	0.6 fc	Yes	
Max. Illumination adjacent to Residential (Sec. 5.7.3.L)	When adjacent to residential districts: - All cut off angles of fixtures must be 90° - maximum illumination at the property line shall not exceed 0.5-foot candle - No direct light source shall be visible at the property line that is adjacent to res. at ground level		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.

ENGINEERING REVIEW



PLAN REVIEW CENTER REPORT

3/19/2024

Engineering Review

Jax Kar Wash Novi

JZ24-02

APPLICANT

Jax Kar Wash

REVIEW TYPE

Initial PRO Plan

PROPERTY CHARACTERISTICS

- Site Location: Northwest corner of Twelve Mile Crossing at Fountain Walk, south of Twelve Mile Road and east of Cabaret Drive
- Site Size: 1.9 acres
- Plan Date: 2/9/2024.
- Design Engineer: PEA Group

PROJECT SUMMARY

- Rezoning of an approximately 1.81-acre parcel from R-C (Regional Center) to B-3 zoning with a PRO.
- Construction of an approximately 6,212 square-foot car wash building and associated parking. Site access would be provided via the interior Fountain Walk roadway.
- Construction of a 6-foot-wide pathway along the Cabaret Drive frontage.
- Water service would be provided by an extension from the existing 12-inch water main along the east side of the property.
- Sanitary sewer service would be provided by an extension from the existing 8-inch sanitary sewer on the northwest side of the property, along with a monitoring manhole.
- Storm water would be collected by a single sewer collection system and will be treated on-site before being discharged to the existing storm water system.

Recommendation

Approval of the Initial PRO Plan is recommended.

Items to be addressed at site plan submittal.

1. The [Non-Domestic User Survey Form](#) for sanitary sewer flow shall be submitted to the City so it can be forwarded to Oakland County.
2. Any work in the Cabaret Drive right-of-way will require a permit from the City of Novi.
3. Show the locations of all light poles on the utility plan. Light poles in a utility easement will require a License Agreement

Sanitary Sewer

4. Provide a sanitary sewer basis of design for the development on the utility plan sheet. (Calculations should use peaking factor of 4.0 and 3.2 People/REU).
5. Provide a sanitary sewer monitoring manhole, unique to this site, within a dedicated access easement or within the road right-of-way. If not in the right-of-way, provide a 20-foot-wide access easement to the monitoring manhole from the right-of-way (rather than a public sanitary sewer easement).

Paving & Grading

6. Provide existing topography and 2-foot contours extending at least 100 feet past the site boundary. Any off-site drainage entering this site shall be identified.
7. A receiving ramp must be installed on the opposite side of the drive at southern end of the proposed sidewalk.
8. Revise paving cross-section details to meet City standards. 8" concrete on 8" 21 AA aggregate, and the asphalt should have an 8" 21 AA base course.

Storm Sewer

9. An easement is required over the storm sewer accepting and conveying off-site drainage. This could be handled by establishing an easement to the off-site first storm structure.

Storm Water Management Plan

10. 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 \(updated Jan 31, 2024\)](#)
11. The SWMP must detail the storm water system design, calculations, details, and maintenance as stated in the ordinance.

Irrigation Comments

12. The irrigation plans should be provided at time of site plan submittal, irrigation plans must be approved prior to stamping set submittal.

Easements

13. Any off-site utility easements anticipated must be executed **prior to Stamping Set Approval**. At time of site plan submittal draft easements and a recent title search shall be submitted to the Community Development Department for review and shall be approved by the Engineering Division and the City Attorney prior to executing the easements.

14. The following easements and agreements are required:

- o Sidewalk easement for the proposed sidewalk along Cabaret Drive.
- o Sidewalk easement for the existing sidewalk along 12 Mile Road.
- o A Storm Drainage Facility Maintenance Easement Agreement.
- o Sanitary Sewer Monitoring Manhole Easement.
- o Emergency access easement from the northern access point to the Cabaret Drive ROW.
- o Access easement from the main access point to the Cabaret Drive ROW.
- o Off-site temporary construction easement.
- o Off-Site Storm drainage easement.

The following must be submitted with the Preliminary Site Plan:

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

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 Adam Yako at (248)735-5695 or email at ayako@cityofnovi.org with any questions.



Adam Yako
Project Engineer

cc: Lindsay Bell, Community Development
Humna Anjum, Engineering
Ben Nelson, Engineering
Ben Croy, City Engineer

LANDSCAPE REVIEW



PLAN REVIEW CENTER REPORT

March 6, 2024

Jax Kar Wash

PRO Concept Plan - Landscaping

Review Type

PRO Concept Plan Landscape Review

Job #

JZ24-0002

Property Characteristics

- Site Location: Southeast corner of Twelve Mile Road and Cabaret Drive
- Site Acreage: 1.81 ac.
- Site Zoning: Current: R-C, Proposed: B-3 with PRO
- Adjacent Zoning: North: Twelve Mile Rad/R-A, South, East: R-C, West: OST
- Plan Date: February 9, 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 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 **not recommended for approval**. A significant deviation is required by the proposed layout and landscaping that is not supported by staff. In addition, there are a number of changes that can and should be made to make the site conform to the landscape requirements before it can be recommended for approval.

LANDSCAPE DEVIATIONS THAT ARE REQUIRED FOR THE PROPOSED LAYOUT:

- Deficiency in accessway perimeter plantings – *not supported by staff unless the utility easement does not allow plantings along the west edge of the west bypass lane.*

PLEASE REVISE THE LAYOUT, UTILITIES AND LANDSCAPING TO ELIMINATE OR REDUCE THE ABOVE DEVIATIONS.

Ordinance Considerations

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

1. Tree survey is provided.
2. There are no wetlands or regulated woodlands or trees on the site.
3. It appears that a number of existing landscaping trees may be damaged by grading.
Any such plantings must be replaced.

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

The site 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 greenbelt widths are provided for both roads.
2. The required greenbelt plantings are provided for both roads.
3. No berms exist or are proposed along either road. As the site is below both roads, and no parking abuts either roads, berms are not required.
4. There is either not room within the right-of-way or sight vision concerns, so no street trees are required along either road.

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

1. While the required parking lot interior landscape areas and trees appear to be provided, rearrangements of utilities and trees are required to meet the ordinance requirements.
2. **See the detailed discussion of parking lot landscaping on the landscape chart.**
3. The required number of accessway perimeter trees is not proposed. An existing DTE easement may make it impossible to provide all of the required trees but that information needs to be provided to show that that is the case. **As it is, the deficiency would require a landscape deviation that would not be supported by staff. See the discussion of the issue on the Landscape Chart.**

Building Foundation Landscaping (Zoning Sec 5.5.3.D)

1. Calculations provided and shaded areas indicate that the required foundation plantings will be provided.
2. Please provide detailed foundation planting plans on the Final Site Plans.

Plant List (LDM 4, 10)

1. Provided for all plantings except the Foundation plantings
2. 100% of the proposed trees are native to Michigan.
3. All species but the Tupelos meet the requirements of LDM 4. Please use 6 or less tupelos on the site.

Planting Notations and Details (LDM 10)

Provided

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

Underground detention is proposed. If that is approved by engineering, no detention basin landscaping is required.

Irrigation (LDM 10)

1. If an irrigation system will be used, a plan for it must be provided with Final Site Plans.
2. 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.

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 meader rmeader@cityofnovi.org.



Rick Meader – Landscape Architect

LANDSCAPE REVIEW SUMMARY CHART – PRO Concept Plan

Review Date: March 6, 2024
Project Name: JAX Kar Wash
Project Location: SE Corner of Twelve Mile Road and Cabaret Drive
Plan Date: February 9, 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.

LANDSCAPE DEVIATION REQUIRED BY PLAN:

- Deficiency in accessway perimeter landscaping – *not supported by staff unless the existing utility easement does not allow plantings along the side of the west bypass lane*

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Requirements (LDM (2))				
Landscape Plan <i>(Zoning Sec 5.5.2, LDM 2.e.)</i>	<ul style="list-style-type: none"> • 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 	Landscape Plan: 1" = 20'	Yes	<u>A smaller scale may need to be used for the detailed foundation plantings.</u>
Project Information <i>(LDM 2.d.)</i>	Name and Address	Yes	Yes	
Owner/Developer Contact Information <i>(LDM 2.a.)</i>	Name, address and telephone number of the owner and developer or association	Yes	Yes	
Landscape Architect contact information <i>(LDM 2.b.)</i>	Name, Address and telephone number of RLA/PLA/LLA who created the plan	Janet Evans – PEA	Yes	
Sealed by LA. <i>(LDM 2.g.)</i>	Requires original signature	Copy of seal and signature	Yes	<u>Signature required on final stamping sets</u>
Miss Dig Note <i>(800) 482-7171 (LDM.3.a.(8))</i>	Show on all plan sheets	On title block	Yes	
Zoning <i>(LDM 2.f.)</i>	Include all adjacent zoning	Site: R-C Proposed: B-3 with PRO East, South: R-C	Yes	

Item	Required	Proposed	Meets Code	Comments
		North: 12 Mile Road/R-A West: Cabaret/OST		
Survey information <i>(LDM 2.c.)</i>	<ul style="list-style-type: none"> • Legal description or boundary line survey • Existing topography 	Sheet C-1.0	Yes	
Existing plant material Existing woodlands or wetlands <i>(LDM 2.e.(2))</i>	<ul style="list-style-type: none"> • Show location type and size. Label to be saved or removed. • Plan shall state if none exists. 	<ul style="list-style-type: none"> • Sheet T-1.0 • No regulated woodlands or trees exist on the site • No wetland exists on the site 	Yes	<ol style="list-style-type: none"> 1. As no regulated trees are being removed, no woodland replacements are required 2. Although no regulated trees are being impacted, there are many (approximately 14) existing trees which appear to be impacted to varying degrees by the proposed sidewalk and grading. 3. Please work to reduce those impacts. Any trees from the original approved landscaping that are removed or significantly impacted by the grading will need to be replaced, in addition to the trees required for the car wash.
Soil types <i>(LDM.2.r.)</i>	<ul style="list-style-type: none"> ▪ As determined by Soils survey of Oakland county ▪ Show types, boundaries 	No	No	<ol style="list-style-type: none"> 1. Soil information needs to be in set, not necessarily on Landscape Plan. 2. If not provided on the landscape plan, please indicate the location of the soils data with a note on the landscape plan.
Existing and proposed improvements <i>(LDM 2.e.(4))</i>	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	Included on landscape plan	Yes	
Existing and proposed utilities	<ul style="list-style-type: none"> • Overhead and underground utilities, 	<ul style="list-style-type: none"> • Existing and proposed utility 	<ul style="list-style-type: none"> • Yes • No 	<ol style="list-style-type: none"> 1. Please clearly show all utility lines and

Item	Required	Proposed	Meets Code	Comments
(LDM 2.e.(4))	including hydrants <ul style="list-style-type: none"> Proposed light posts 	lines and structures are shown on the landscape plan <ul style="list-style-type: none"> No light posts are shown. 		<p>structures on landscape plan.</p> <p>2. Please state restrictions of the easements regarding plantings within the easement(s) on Sheet L-1.0 (required spacing, plant type limitations, etc.)</p> <p>3. Please show all proposed lighting fixtures on the landscape plan and resolve planting/post conflicts.</p> <p>4. Trees should be at least 10 feet from hydrants, catch basins, manholes and sanitary sewer lines. They should also be at least 5 feet from other underground lines.</p> <p>5. The easement will determine the required spacing from the gas line.</p>
Proposed grading. 2' contour minimum (LDM 2.e.(1))	Provide proposed contours at 2' interval	Sheet C-4.0	Yes	
Snow deposit (LDM.2.q.)	Show snow deposit areas on plan	A long snow deposit area is shown along the bypass lane.	Yes	<p>1. The snow deposit area does not need to be as large as it is.</p> <p>2. Accessway perimeter canopy trees are required along the bypass lane if the gas line easement will allow them.</p>
LANDSCAPING REQUIREMENTS				
Berms, Walls and ROW Planting Requirements				
Berms				
<ul style="list-style-type: none"> 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 of loam with 6" top layer of topsoil. 				
Residential Adjacent to Non-residential (Sec 5.5.3.A) & (LDM 1.a)				
Berm requirements (Zoning Sec 5.5.A)	The site is not adjacent to residential property so	No berm is proposed.	Yes	

Item	Required	Proposed	Meets Code	Comments
	this screening is not required.			
Walls (LDM 2.k & Zoning Sec 5.5.3.vi)				
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	No new walls are proposed.	NA	
Walls greater than 3 ½ ft. should be designed and sealed by an Engineer		None		
ROW Landscape Screening Requirements (Sec 5.5.3.B. ii) and (LDM 1.b)				
Greenbelt width (2)(3) (5)	<ul style="list-style-type: none"> • Adjacent to pkg: 20 feet • Not adjacent to pkg: 25 feet 	<ul style="list-style-type: none"> • 12 Mile Rd: 45 ft • Cabaret Dr: 37 ft 	<ul style="list-style-type: none"> • Yes • Yes 	
Berm requirements (Zoning Sec 5.5.3.A.(5))				
Min. berm crest width	<ul style="list-style-type: none"> • Adjacent to pkg: 2 ft • Not adj to pkg: 0 ft 	<ul style="list-style-type: none"> • 12 Mile Rd: 0 ft • Cabaret Dr: 0 ft 	<ul style="list-style-type: none"> • Yes • Yes 	As the site is below both roads, berms are not feasible
Minimum berm height (9)	<ul style="list-style-type: none"> • Adjacent to pkg: 3 ft • Not adj to pkg: 0 feet 	<ul style="list-style-type: none"> • 12 Mile Rd: 0 ft • Cabaret Dr: 0 ft 	<ul style="list-style-type: none"> • Yes • Yes 	See above
3' wall	(4)(7)	None		
Canopy deciduous or large evergreen trees Notes (1) (10)	<ul style="list-style-type: none"> • Adj to pkg: 1 tree/35 ft • Not adj to pkg: 1 tree/60 feet <p>12 Mile Road: 240/60 = 4 trees Cabaret Dr.: 250/60 = 4 trees</p>	<ul style="list-style-type: none"> • 12 Mile Rd: 18 trees (12 existing + 6 new trees) • Cabaret Dr: 8 trees (all existing) 	<ul style="list-style-type: none"> • Yes • Yes 	Please revise the calculations – the accessway parallel to Cabaret does not need to be considered as parking.
Sub-canopy deciduous trees Notes (2)(10)	<ul style="list-style-type: none"> • Adj to pkg: 1 tree/20 lf • Not adj to pkg: 1 tree/40 lf <p>12 Mile Road: 240/40 = 6 trees Cabaret Dr.: 250/40 = 6 trees</p>	<ul style="list-style-type: none"> • 12 Mile Rd: 6 trees (2 existing + 4 new trees) • Cabaret Dr: 9 trees (all existing) 	<ul style="list-style-type: none"> • Yes • Yes 	See above
Canopy deciduous trees in area between sidewalk and curb (Novi Street Tree List)	<ul style="list-style-type: none"> • Adj to pkg: 1 tree/35 lf • Not adj to pkg: 1 tree per 35 lf <p>12 Mile Road: 240/35 = 7 trees Cabaret Dr.: 250/35 = 7 trees</p>	<ul style="list-style-type: none"> • 12 Mile Rd: 0 trees • Cabaret Dr: 0 trees 	<ul style="list-style-type: none"> • No • No 	<ol style="list-style-type: none"> 1. 12 Mile Road: Sight visibility concerns make street trees undesirable 2. Cabaret Drive: There is no room in the right-of-way for street trees. 3. Due to the above factors, no street

Item	Required	Proposed	Meets Code	Comments
				trees are required for this project.
Cross-Section of Berms (LDM 2.j)				
Slope, height and width	<ul style="list-style-type: none"> Label contour lines Maximum 33% Constructed of loam 6" top layer of topsoil 	No berms are proposed	NA	
Type of Ground Cover		NA		
Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	No utilities or trees are shown on plan	NA	
Parking Area Landscape Requirements LDM 1.c. & Calculations (LDM 2.o.)				
General requirements (LDM 1.c)	<ul style="list-style-type: none"> Clear sight distance within parking islands No evergreen trees 	No landscaping is proposed	TBD	
Name, type and number of ground cover (LDM 1.c.(5))	As proposed on planting islands	Seed is indicated with hatching	Yes	
General (Zoning Sec 5.5.3.C.iii)				
Parking lot Islands (a, b. i)	<ul style="list-style-type: none"> A minimum of 200 SF to qualify Minimum 200 SF per tree planted in island 6" curbs Islands minimum width 10' BOC to BOC 	<ul style="list-style-type: none"> Islands' areas in SF are shown. All islands are large enough. 	Yes	
Curbs and Parking stall reduction (c)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	Vacuum spaces are 20 feet long	No	<ol style="list-style-type: none"> Spaces could be shortened to 17 ft if spaces have 2 ft of overhang available. They should at least be shortened to 19 ft.
Contiguous space limit (i)	<ul style="list-style-type: none"> Maximum of 15 contiguous spaced All endcap islands should also be at least 200sf with 1 tree planted in it. 	No bay is longer than 12 spaces	Yes	<ol style="list-style-type: none"> The space at the south end of the east vacuum bay is large enough to have a tree in it and should have a canopy tree in it. Please move the storm line passing through it south to provide the necessary room for a tree and move the interior tree in the long perimeter island

Item	Required	Proposed	Meets Code	Comments
				to that space.
Plantings around Fire Hydrant (d)	<ul style="list-style-type: none"> No plantings with matured height greater than 12' within 10 ft. of fire hydrants of utility structures (manholes, catch basins). Trees also need to have at least 5 feet between the trunk and underground utility lines. 	<ul style="list-style-type: none"> One existing hydrant is shown just east of the property, near the emergency access entry. No landscaping blocks it. 	Yes	
Clear Zones (LDM 2.3.(5))	The Road Commission for Oakland County (RCOC) clear vision zone is required for Twelve Mile Road as it is their jurisdiction.	No existing or proposed plantings block the Cabaret/Twelve Mile Road intersection visibility	Yes	
Category 1: For OS-1, OS-2, OSC, OST, B-1, B-2, B-3, C, NCC, EXPO, FS, TC, TC-1, RC, Special Land Use or non-residential use in any R district (Zoning Sec 5.5.3.C.iii)				
A = Total square footage of vehicular use area up to 50,000 sf x 7.5%	$A = x \text{ SF} \times 7.5\% = A \text{ sf}$ Vacuum area: $9094\text{sf} \times 7.5\% = 682\text{sf}$	Calculation is provided	Yes	
B = Total square footage of additional paved vehicular use areas over 50,000 SF) x 1 %	$B = x \text{ SF} \times 1\% = B \text{ sf}$	NA		
Category 2: For: I-1 and I-2 (Zoning Sec 5.5.3.C.iii)				
A = Total square footage of vehicular use area up to 50,000 sf x 5%	$A = x \text{ SF} \times 6\% = A \text{ sf}$	NA		
B = Total square footage of additional paved vehicular use areas over 50,000 SF x 0.5 %	$B = (x \text{ SF} - 50000) \times 0.5\%$	NA		
All Categories				
C = A+B Total square footage of landscaped islands required	<ul style="list-style-type: none"> $C = A + B$ $C = 682 \text{ sf} + 0 = 682\text{sf}$ 	4014 sf	No	1. Only the corner areas should count, not the long perimeter island. 2. Please add SF labels to the NE and SE corners of the vacuum area. 3. As noted above, the southeast corner

Item	Required	Proposed	Meets Code	Comments
				needs to have a canopy tree in it.
<p>D = D/200 Number of canopy trees required</p>	<ul style="list-style-type: none"> • D = C/200 = xx Trees • D = 682/200 = 3 trees 	<p>3 trees</p>	<p>No</p>	<p>As noted above, the interior tree in the long perimeter island needs to be moved to the southeast endcap island. Please do so.</p>
<p>Parking Lot Perimeter Trees (Sec 5.5.3.C.iv)</p>	<p>1 Canopy tree per 35 lf 383 lf/35 = 11 trees</p>	<p>11 trees</p>	<p>No</p>	<ol style="list-style-type: none"> 1. Parking lot perimeter trees need to be within 15 feet of the parking lot edge. 2. 28lf of the perimeter can be removed from the basis because the building is within 20 feet of the vacuum area. 3. Please move 2 of the perimeter trees farther than 15 feet away from the parking to locations between the building and the vacuum area 4. Please move the third distant tree to a spot near the northeast corner of the vacuum area. The storm manhole may need to be moved.
<p>Accessway perimeter trees (Sec 5.5.3.C.iv.j)</p>	<p>1 tree per 35 lf 1327lf/35 = 38 trees Greenbelt and parking lot perimeter trees within 15 feet of the accessway may also be used to count toward the required accessway perimeter trees.</p>	<p>30 trees are provided, including 9 that are shown as replacements and 9 double-counted parking lot perimeter trees or greenbelt trees.</p>	<p>No</p>	<ol style="list-style-type: none"> 1. Unless the utility easement along the west side of the site does not allow it, the entire perimeter should be counted toward the total. 2. Please add trees to the areas missing trees wherever possible by adding required trees and spreading trees out. 3. Currently, a landscape deviation would be required for the deficiency in trees provided. It would not be

Item	Required	Proposed	Meets Code	Comments
				<p><i>supported by staff.</i></p> <p>4. A waiver for frontage within an easement where trees cannot be planted would be supported by staff.</p> <p>5. See the markup below for what should be included in the accessway perimeter calculation (green line). If the easement prevents the western edge from having trees planted in it, indicate that on the plans.</p>
Other Landscaping				
Other Screening				
Screening of outdoor storage, loading/unloading <i>(Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)</i>		No loading zone is indicated	TBD	<u>Provide proper screening for a loading area such that the area is screened from Cabaret and Twelve Mile Roads</u>
Transformers/Utility boxes <i>(LDM 1.e from 1 through 5)</i>	<ul style="list-style-type: none"> • A minimum of 2ft. separation between box and the plants • Ground cover below 4" is allowed up to pad. • No plant materials within 8 ft. from the doors 	No utility boxes shown	TBD	<u>Provide proper screening for any transformer on the plan.</u>
Building Foundation Landscape Requirements (Sec 5.5.3.D)				
Interior site landscaping SF	<ul style="list-style-type: none"> • Equal to entire perimeter of the building (less paved access areas) x 8 with a minimum width of 4 ft. • A minimum of 75% of the building should have foundation landscaping. • 390 lf x 8ft = 3120 SF 	3290 sf (hatched areas indicating areas to be landscaped)	Yes	<u>Please provide detailed landscaping plans on the Final Site Plans.</u>
<i>Zoning Sec 5.5.3.D.ii. All items from (b) to (e)</i>	If visible from public street a minimum of 60% of the exterior building perimeter should be	82% of the Twelve Mile Road building face and 97% of the Cabaret Drive	Yes	

Item	Required	Proposed	Meets Code	Comments
	covered in green space	building face are landscaped		
Detention/Retention Basin Requirements (Sec. 5.5.3.E.iv)				
Planting requirements (Sec. 5.5.3.E.iv)	<ul style="list-style-type: none"> • Clusters of large native shrubs shall cover 70-75% of the basin rim area located at 10 feet above the permanent water level or pond bottom if it's a dry pond. • Canopy trees at 1/35lf of the east, south and west sides of the pond, located at about 10 feet away from the permanent water level • 10" to 14" tall grass along sides of basin • Refer to wetland for basin mix 	No new above-ground detention is required by engineering and no detention basin landscaping is proposed	Yes	
Phragmites Control (Sec 5.5.6.C)	<ul style="list-style-type: none"> • Any and all populations of Phragmites australis and/or Japanese knotweed on the site shall be included on tree survey. • Treat populations per MDEQ guidelines and requirements to eradicate the weed from the site. 	None indicated	TBD	<ol style="list-style-type: none"> 1. <u>Please survey the site for any populations of Phragmites australis and/or Japanese knotweed and add plans for its complete removal if any is found.</u> 2. <u>If none is found, please indicate that on the survey.</u>
LANDSCAPING NOTES, DETAILS AND GENERAL REQUIREMENTS				
Landscape Notes – Utilize City of Novi Standard Notes				
Installation date (LDM 2.i. & Zoning Sec 5.5.5.B)	<ul style="list-style-type: none"> • Provide intended dates • Should be between March 15 and November 15. 	Between Mar 15 and Nov 15	Yes	
Maintenance & Statement of intent (LDM 2.m & Zoning Sec 5.5.6)	<ul style="list-style-type: none"> • Include statement of intent to install and guarantee all materials for 2 years. • Include a minimum one cultivation in June, July and August for the 2-year warranty period. 	Both notes are included	Yes	
Plant source (LDM 2.n & LDM	Shall be northern nursery grown, No.1 grade.	Yes	Yes	

March 6, 2024

JZ24-0002: JAX KAR WASH

Item	Required	Proposed	Meets Code	Comments
3.a.(2))				
Irrigation plan (LDM 2.s.)	A method for providing the water required for plant establishment and long-term survival must be provided.	No		<ol style="list-style-type: none"> 1. <u>Need for final site plan</u> 2. <u>Please provide either an irrigation system plan or information regarding the alternative method that will be used to water the plants</u> 3. <u>If an irrigation system will be used, it should meet the requirements listed at the end of the chart.</u>
Establishment period (Zoning Sec 5.5.6.B)	2 yr. Guarantee	Yes	Yes	
Approval of substitutions. (Zoning Sec 5.5.5.E)	City must approve any substitutions <u>in writing</u> prior to installation.	Yes	Yes	
Plant List (LDM 4, 11) – Include all cost estimates				
Quantities and sizes	<ul style="list-style-type: none"> • A minimum of 50% of species used on the site, not including any woodland replacements, must be native to Michigan. 	A plant list for all but foundation plantings is included	Yes	<u>Please add the foundation plantings to the plant list on the Final Site Plans at the latest.</u>
Root type		Yes	Yes	
Botanical and common names	<ul style="list-style-type: none"> • The Tree Diversity standards of the Landscape Design Manual Section 4 must be met for all non-woodland replacement trees used. • No Prohibited Species listed on Table 11.b.(2)b may be used. 	<ul style="list-style-type: none"> • 8 of 8 species (100%) are native to Michigan • The tree diversity requirement is met for all but the Tupelo 	<ul style="list-style-type: none"> • Yes • No 	<u>Please reduce the number of Nyssa sylvatica to no more than 6 trees (15% of total number of trees) by using an additional species or more of an underused species.</u>
Type and amount of lawn		Seed is indicated	Yes	
Cost estimate (LDM 2.t)	For all new plantings, mulch and sod as listed on the plan	No	No	<ol style="list-style-type: none"> 1. <u>Please add on Final Site Plans.</u> 2. <u>Include the foundation plantings in the plant list and cost estimate.</u>
Planting Details/Info (LDM 2.i) – Utilize City of Novi Standard Details				
Canopy Deciduous Tree	Refer to LDM for detail drawings	Yes	Yes	
Evergreen Tree		Yes	Yes	

March 6, 2024

JZ24-0002: JAX KAR WASH

Item	Required	Proposed	Meets Code	Comments
Multi-stem Tree		No	TBD	Please add the detail if multi-stem trees will be used.
Shrub		Yes	Yes	
Perennial/ Ground Cover		Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection fencing	Located at Critical Root Zone (1' outside of dripline)	Yes	Yes	
Other Plant Material Requirements (LDM 3)				
General Conditions (LDM 3.a)	Plant materials shall not be planted within 4 ft. of property line	Yes	Yes	
Plant Materials & Existing Plant Material (LDM 3.b)	Clearly show trees to be removed and trees to be saved.	No	No	<ol style="list-style-type: none"> As noted above, some trees seem to be in danger of impact from the proposed grading. Please work to protect existing trees as much as possible and replace all existing trees that will be impacted by the grading. No woodland replacements are required for this project.
Landscape tree credit (LDM3.b.(d))	<ul style="list-style-type: none"> Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM 	None taken		
Plant Sizes for ROW, Woodland replacement and others (LDM 3.c)	Refer to Landscape Design Manual for requirements	Yes		
Plant size credit (LDM3.c.(2))	NA	No		
Prohibited Plants (LDM 3.d)	No plants on City Invasive Species List	No prohibited plants are proposed	Yes	

March 6, 2024

JZ24-0002: JAX KAR WASH

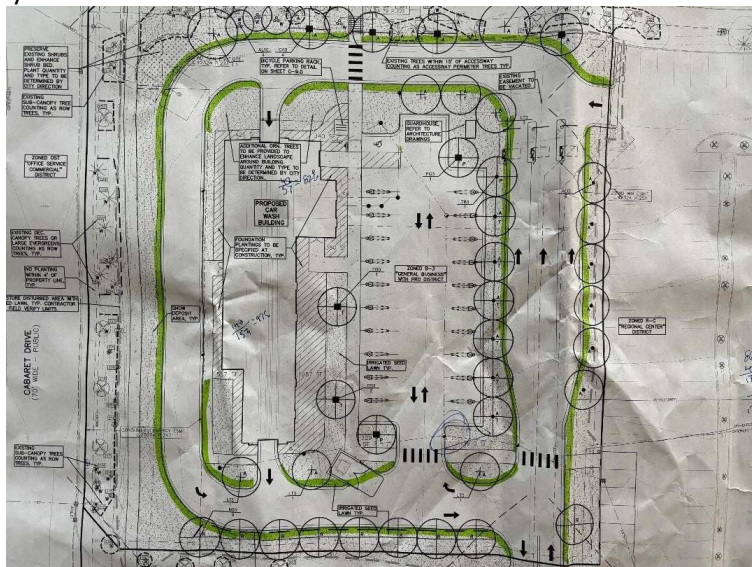
Item	Required	Proposed	Meets Code	Comments
Recommended trees for planting under overhead utilities (LDM 3.e)	Label the distance from the overhead utilities	No overhead lines existing on the site	NA	
Collected or Transplanted trees (LDM 3.f)		No		
Nonliving Durable Material: Mulch (LDM 4)	<ul style="list-style-type: none"> Trees shall be mulched to 3" depth and shrubs, groundcovers to 2" depth Specify natural color, finely shredded hardwood bark mulch. Include in cost estimate. 	Indicated in notes and details	Yes	

NOTES:

- This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 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.

Irrigation System Requirements

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



TRAFFIC REVIEW



AECOM
 39575 Lewis Dr, Ste. 400
 Novi
 MI, 48377
 USA
 aecom.com

Project name:
 JZ24-02 – Jax Kar Wash Initial PRO Traffic Review

From:
 AECOM

Date:
 March 13, 2024

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

CC:
 Lindsay Bell, James Hill, Ian Hogg, Heather Zeigler,
 Humna Anjum, Diana Shanahan, Adam Yako

Memo

Subject: JZ24-02 – Jax Kar Wash Initial PRO Traffic Review

The initial PRO site plan was reviewed to the level of detail provided and AECOM recommends **approval** for the applicant to move forward until the comments below are addressed to the satisfaction of the City.

GENERAL COMMENTS

1. The applicant, Jax Kar Wash, is proposing a 6,212 SF Jax Kar Wash.
2. The development is located at the northwest corner of the Fountain Walk Center, south of Twelve Mile Road and east of Cabaret Drive. Cabaret Drive is under the jurisdiction of the City of Novi.
3. The site is zoned RC (Regional Center). The applicant is requesting to rezone to B-3 with a PRO.
4. There following traffic related deviations may be required if changes are not made to the plans:
 - a. Lack of loading zone.

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
 Development-specific Quantity: 1 Tunnel
 Zoning Change: RC to B-3 with PRO

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

2. 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	N/A

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.

EXTERNAL SITE ACCESS AND OPERATIONS				
No.	Item	Proposed	Compliance	Remarks
1	Driveway Radii O Figure IX.3	20'	Met	
2	Driveway Width O Figure IX.3	24'	Met	
3	Driveway Taper O Figure IX.11	-	N/A	
3a	Taper length	-	N/A	
3b	Tangent	-	N/A	
4	Emergency Access O 11-194.a.19	2 access points	Met	
5	Driveway sight distance O Figure VIII-E	-	N/A	
6	Driveway spacing			
6a	Same-side O 11.216.d.1.d	-	N/A	
6b	Opposite side O 11.216.d.1.e	-	N/A	
7	External coordination (Road agency)	-	N/A	
8	External Sidewalk Master Plan & EDM	-	N/A	
9	Sidewalk Ramps EDM 7.4 & R-28-J	-	N/A	
10	Any Other Comments:			

INTERNAL SITE OPERATIONS				
No.	Item	Proposed	Compliance	Remarks
11	Loading zone ZO 5.4	Not indicated	Inconclusive	Provide in future submittal. A deviation will be required if not provided.
12	Trash receptacle ZO 5.4.4	Indicated	Met	
13	Emergency Vehicle Access	Provided	Met	

INTERNAL SITE OPERATIONS				
No.	Item	Proposed	Compliance	Remarks
14	Maneuvering Lane ZO 5.3.2	21' and 24'	Met	
15	End islands ZO 5.3.12			
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	Proposed parking along existing bay of parking	Met	Refer to City approval for lack of internal island for more than 15 spaces, as it is grandfathered in.
18	Parking space length ZO 5.3.2	20' and matching existing at employee spaces	Met	
19	Parking space width ZO 5.3.2	12' at vacuum stations and 9'	Met	
20	Parking space front curb height ZO 5.3.2	4" indicated	Not Met	6" is the standard curb height in front of parking spaces that are greater than 17' in length.
21	Accessible parking – number ADA	1 proposed, 1 required	Met	
22	Accessible parking – size ADA	Dimensioned	Met	
23	Number of Van-accessible space ADA	1 proposed, 1 required	Met	
24	Bicycle parking			
24a	Requirement ZO 5.16.1	2 required, 4 proposed	Met	
24b	Location ZO 5.16.1	Indicated	Met	
24c	Clear path from Street ZO 5.16.1	7'	Met	
24d	Height of rack ZO 5.16.5.B	3'	Met	
24e	Other (Covered / Layout) ZO 5.16.1	Not indicated	Inconclusive	Provide layout and dimensions in future submittal.
25	Sidewalk – min 5' wide Master Plan	7'	Met	
26	Sidewalk ramps EDM 7.4 & R-28-K	Indicated	Met	Update detail R-28 to the latest version "K" in future submittal.
27	Sidewalk – distance back of curb EDM 7.4	-	N/A	Not required along parking.
28	Cul-De-Sac O Figure VIII-F	-	N/A	
29	EyeBrow O Figure VIII-G	-	N/A	
30	Drive-Through ZO 5.3	Bypass lane proposed, 25 stacking spaces prior to tunnel and 3 spaces beyond tunnel	Met	Dimension width of stacking space between the concrete pads.
31	Any Other Comments:			

SIGNING AND STRIPING				
No.	Item	Proposed	Compliance	Remarks
32	Signing: Sizes MMUTCD	Indicated	Met	
33	Signing table: quantities and sizes	Indicated	Met	
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	
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	Partially Indicated	Partially Met	Label striping to delineate stacking spaces in future submittal.
41	The international symbol for accessibility pavement markings ADA	Indicated	Met	
42	Crosswalk pavement marking detail	Indicated	Met	
43	Any Other Comments:	Could add a "Do Not Enter" sign at tunnel exit.		

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



Saumil Shah, PMP
Project Manager

FAÇADE REVIEW



March 5, 2024

Façade Review Status:
Approved, Section 9 Waiver Recommended

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

Attn: Ms. Barb McBeth – Director of Community Development

Re: FACADE ORDINANCE – Initial PRO Plan
Jax Car Wash, JZ24-02
 Façade Region: 1, Zoning District: RC

Dear Ms. McBeth:

The following Façade Review is based on the drawings prepared by F.A.Studio, dated 1/17/24. The percentages of materials for each façade are shown in the table below. The maximum and minimum percentages required by the Façade Ordinance are shown in the right-hand column. The Sample Board required by Section 5.15.4.D of the Ordinance was provided and indicates carefully coordinated earth-toned colors.

	North (Front)	West (2nd Front)	East	South	Ordinance Maximum (Minimum)
Brick	56%	56%	60%	60%	100% (30%)
Horizontal Lap Siding (Fiber Cement), Painted	8%	10%	9%	9%	0%
Asphalt Shingles	36%	34%	31%	31%	25%

As shown above the percentage of Horizontal Lap Siding and Asphalt Shingles exceed the maximum amounts allowed by the Façade Ordinance on all facades. In this case the relatively small deviations are not detrimental to the overall design of the building and are consistent with the intent and purpose of the Ordinance. A Section 9 Waiver is therefore recommended for the overage of Horizontal Lap Siding and Asphalt Shingles.

Notes to the Applicant:

1. Dumpster Enclosure - Three sides of the dumpster enclosure should be constructed of brick matching the brick used on the primary building.
2. All roof top equipment must be concealed from view from all vantage points both on-site and off-site using extended parapets or roof screens constructed of materials in compliance with the Façade Chart and harmonious with other façade materials.
3. Inspections – The Ordinance requires Façade Inspection(s) for all projects. It is the applicant's responsibility to request the inspection at the appropriate time (before installation). 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>.

Sincerely,
DRN & Architects PC

A handwritten signature in blue ink, appearing to read "Douglas R. Necci".

Douglas R. Necci, AIA

FIRE REVIEW



March 1, 2024

TO: Barbara McBeth - City Planner
Lindsay Bell - Plan Review Center
James Hill – Plan Review Center
Heather Zeigler – Plan Review Center
Diana Shanahan – Planning Assistant

CITY COUNCIL

Mayor
Justin Fischer

Mayor Pro Tem
Laura Marie Casey

Dave Staudt

Brian Smith

Ericka Thomas

Matt Heintz

Priya Gurumurthy

City Manager
Victor Cardenas

Director of Public Safety
Chief of Police
Erick W. Zinser

Fire Chief
John B. Martin

Assistant Chief of Police
Scott R. Baetens

Assistant Fire Chief
Todd Seog

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

cityofnovi.org

RE: Jax Kar Wash

PRZ24-0001

Project Description:

Build a car wash off Cabaret Dr. and Twelve Mile

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.
- Fire apparatus access drives to and from buildings through parking lots shall have a minimum fifty (50) feet outside turning radius and designed to support a minimum of thirty-five (35) tons. **(D.C.S. Sec 11-239(b)(5))**
- Fire hydrant spacing shall be measured as "hose laying distance" from fire apparatus. Hose laying distance is the distance the fire apparatus travels along improved access routes between hydrants or from a hydrant to a structure.
- 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)**
- Fire department connections shall be located on the street side of buildings, fully visible and recognizable from the street or nearest point of fire department vehicle access or as otherwise approved by the code official. **(International Fire Code 912.2.1)**
- The minimum width of a posted fire lane is 20 feet. The minimum height of a posted fire lane is 14 feet. **(D.C.S Sec. 158-99(a).)**

- Proximity to hydrant: In any building or structure required to be equipped with a fire department connection, the connection shall be located within one hundred (100) feet of a fire hydrant. **(Fire Prevention Ord. Sec. 15-17 912.2.3)**
- A hazardous chemical survey is required to be submitted to the Planning & Community Development Department for distribution to the Fire Department at the time any Preliminary Site Plan is submitted for review and approval. Definitions of chemical types can be obtained from the Fire Department at (248) 735-5674.

Recommendation:

Approved with Condition

Sincerely,

A handwritten signature in black ink, appearing to read 'KSP', with a long horizontal flourish extending to the right.

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

cc: file

APPLICANT RESPONSE LETTERS

LAW OFFICES
LANDRY, MAZZEO, DEMBINSKI & STEVENS, P.C.

37000 GRAND RIVER AVENUE, SUITE 200
FARMINGTON HILLS, MICHIGAN 48335

www.lmdlaw.com

D. B. LANDRY
dlandry@lmdlaw.com

Office: (248) 476-6900

Direct: (248) 919-3783

Fax: (248) 476-6564

April 16, 2024

VIA EMAIL: LBell@cityofnovi.org

Attn: Ms. Lindsay Bell
City of Novi
Planning Department
45175 West 10 Mile Road
Novi, MI 48375-3042

RE: Jax Kar Wash Novi.
JZ 24-02
Application for rezoning with PRO.

Dear Ms. Bell:

Thank you for the review package regarding this Application for Re-Zoning with Planned Re-Zoning Overlay (PRO). Please accept this letter as a response to the City Administration's review comments and further discussion by the applicant regarding the "Public Benefit" aspect of the PRO request.

RESPONSE TO CITY ADMINISTRATION REVIEWS

This project is in the initial stages of the two-step process for Application for Re-Zoning with PRO, as set forth in the City Zoning Ordinance Section 7-13. As such, we are addressing the eligibility of this proposal for a PRO. Zoning Ordinance Section 7-13.2.B.ii provides in part that in order to be eligible for a PRO the Application must include a proposal for a development that "(1) are in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district...and (2) constitute an overall benefit to the public that outweighs any material detriments or that could not otherwise be accomplished without the proposed re-zoning." With respect to the proposed site conditions that must be "more strict or limiting than the regulations that would apply to the land under the proposed new zoning district", the applicant is requesting a re-zoning from an RC zoning district to a B-3 zoning district to allow a Jax Kar Wash. The applicant proposes a PRO that would provide that the only B-3 use allowed would be an auto wash use. None of the other B-3 uses will be allowed. Thus, with respect to the use itself, this Application for PRO significantly limits permitted uses from that which would otherwise be allowed in the B-3 district. In addition, as the City has pointed out in the review comments, the proposal limits "the building height will be 24.5 feet, which is more limiting than the 30 feet allowed in the B-3 district...the building set backs will exceed the B-3 requirements on

all sides. Front and exterior side yards are 68-88 feet (30 feet required) and interior side yards are 54-138.6 feet (15 feet required)...the façade ordinance requires a minimum of 30% brick on all elevations. The proposed building exceeds this requirement with 49.6 to 59.9%". (PRO Concept Plan Review page 8). Thus, this application does include aspects which are more strict than the regulations that would apply generally in a B-3 district.

While this is not an application for Final Site Plan Approval at this time, the applicant has submitted in detail a preliminary site plan prepared by the PEA Group. The City conducted a review of this general Preliminary Site Plan and made several comments. Engineering, Traffic, Woodlands, Wetlands, Façade and Fire Department reviews all recommended approval. Planning and Landscaping made numerous comments and suggestions. I have attached hereto as **Exhibit A** a response letter by the PEA Group to the specific comments of Planning and Landscaping with additional comments indicating that the comments of Engineering, Traffic and Fire would be incorporated into the Final Site Plan submission. Of course, the applicant is open to additional comments as this PRO Application works its way through the process at the City of Novi.

PUBLIC BENEFIT

The Planning review questions the "Public Benefit" aspect of this proposal and I would like to respond with a discussion regarding the ordinance language itself and this proposal. Moreover, the applicant would like to offer an additional Public Benefit to the City.

From an applicant standpoint, one of the difficulties of the PRO ordinance is the fact that the ordinance itself, Section 7-13, does not define "Public Benefit". The ordinance merely states that the project must "constitute an overall benefit to the public that outweighs any material detriments". There is no other definition of Public Benefit and we are limited to this language. This language speaks of a Public Benefits that "outweighs any material detriments". Therefore, it appears from this language that the extent of the Public Benefit necessary is to be determined in relation to the extent of any detriment. Thus, if the potential detriments are low then the extent of Public Benefit necessary to outweigh them would be far less than if the detriments were high. Vice versa would also be applicable. Again, this language is all we have to work with.

The planning review states that "the applicant makes the case that developing a vacant parcel is the benefit of this proposal. However, the general public is not likely concerned whether the property remains vacant or not, and the impact is incidental to any development proposed, not unique to this use." (Plan Review Center Report page 2). While we certainly pointed out in our initial narrative letter that the development of this vacant parcel would be a Public Benefit, the extent to the Public Benefit, as we see it, is much more than merely the development of a vacant parcel. Indeed, this parcel is *unique* and we would ask the city to consider the following.

As initially pointed out, this parcel is part of the larger development known as Fountain Walk. Fountain Walk has had a challenging history through the years. It would certainly be a Public Benefit for Fountain Walk to continue as a successful business. While the city is not responsible for making sure that businesses survive, it is certainly a laudable goal of the city to do what is reasonable to make sure than an environment is maintained for businesses to succeed.

This particular parcel is unique in two ways. First, as pointed out in the letter of the owner of Fountain Walk, Michael Zimmerman (which I have attached again as part of **Exhibit B**) there are restrictions on what businesses can be developed within Fountain Walk, i.e., no more restaurants. The only consistent inquiries which Fountain Walk has received regarding the development of this parcel have been from gas stations. While gas stations are not a permitted use in the RC district, Fountain Walk has not requested approval from the city for a gas station on this parcel. Fountain Walk does not want a gas station on this parcel. What is important for Fountain Walk is that the parcel be developed with a use compatible with and complementary of the existing Fountain Walk uses. Attached as part of **Exhibit B** are four letters from existing Fountain Walk tenants supporting this re-zoning application to allow a Jax Kar Wash to be developed. Those tenants speak to how this use would be complementary to the existing uses at Fountain Walk. Indeed, the PRO Zoning Ordinance itself Section 7.13.2.A speaks to the “integration of the proposed land development project with the characteristics of the project area” and speaks to “ensuring that the land use or activity authorized will be compatible with adjacent uses of land”.

The second unique aspect of this parcel is the limitation on its development potential. This is recognized and noted in the city’s Planning review on page 7 which provides as follows:

DEVELOPMENT POTENTIAL

The land is currently vacant, but was cleared/graded when the rest of Fountain Walk was developed in the early 2000s. Development under the current RC zoning could result in a retail restaurant, office, or other permitted use being constructed. However, the RC district requires building setbacks of 100 feet from all property lines, which restricts the developable area of this corner site. Additionally, the site is impacted by two wide (55' and 60') Consumers Energy gas line easements running north and south along the eastern and western areas of the site. These factors constrain the developable area of the site considerably. In the image below, the Consumer easements are shown in yellow, and the green hatch area represents the approximate building area with 100-foot setbacks as required in the RC District.



Thus, because of the building set backs and various utility easements there is a very narrow buildable portion of this parcel. A car wash would fit within that narrow development area. Not much else would.

Currently, there are no stand-alone car washes North of the I-96 freeway in the City of Novi. This is why the applicant seeks this PRO. There is a need in the Northern area of the City which this development would meet.

We believe all of the above constitute a Public Benefit from this project. In contrast, what is the detriment from a car wash at this location? While it is not currently zoned B-3, with a PRO limitation this would be the only B-3 allowed use. A car wash presents no traffic concerns as noted in the traffic review, which recommended approval. No ingress/egress would be allowed from 12 Mile Road or Cabaret Drive. The adjacent public roadways are sufficient to handle the traffic at this regional commercial center and this development would not require roadway upgrades. The hours of operation of a Jax Kar Wash, Monday-Friday 7:00 a.m. to 6:00 p.m. and Saturday/Sunday 8:00 a.m. to 6:00 p.m., are less than many existing businesses at Fountain Walk. We suggest that there are very few detriments to this project. Moreover, we are certainly open to additional suggestions regarding the comments within the landscape review letter which we are confident we can overcome at the site plan stage.

Finally, as an additional Public Benefit, the applicant Jax Kar Wash recognizes that it employs many young high school aged people in the communities where it does business. Jax Kar Wash wants to be an active member of the community. Accordingly, attached as Exhibit C is a letter from the director of the Novi Public Library, Julie Farkas. The applicant has inquired of the library with respect to its needs to better serve High School students in the City of Novi. The library has shared that it has planned to rebuild and refurbish the teen area of the library which has significant use from High Schools students. The cost of this rebuild and refurbishing is \$54,040.52. Jax Kar Wash is offering to fund the entirety of the cost of this rebuild and refurbishing of the teen section as a Public Benefit for the High School students of this City, many of whom it would employ through the coming years. This would certainly be a Public Benefit to Novi.

We thank you for your initial review of this PRO proposal and your consideration of these additional comments and responses. We look forward to meeting with the Planning Commission on April 24, 2024 to hear its review of this proposal and we look forward to meeting similarly with the City Council.

Thank you.

Very truly yours,

LANDRY, MAZZEO, DEMBINSKI & STEVENS, P.C.

/s/ David B. Landry
David B. Landry

DBL/slw

Cc: Barbara McBeth via e-mail
Todd Gesund via e-mail

EXHIBIT A

EXHIBIT A

EXHIBIT A



1849 Pond Run
Auburn Hills, MI 48326

844.813.2949
peagroup.com

April 10, 2024
Project No.: 23-1246

Mr. Lindsay Bell Senior Planner
City of Novi Community Development
45175 West Ten Mile Road
Novi, Michigan 48375

RE: Jax Kar Wash JZ24-02

Dear Ms. Bell:

Based upon the comments in the review letter of March 18, 2024, please note following response regarding the comments:

Planning Review:

Ordinance Deviations:

1. Overhead Door (Section 3.10.1.A)

- Because the subject parcel has essentially three (3) frontage yards (Twelve Mile Road, Cabaret Drive, and Mall Access Drive) the location of the overhead doors associated with the car wash tunnel for this project will be visible regardless of how the car wash is configured. It is for this reason that a deviation is being requested.

2. Parking Setback (Section 3.1.24D)

- If a deviation cannot be granted, we would make application to the Zoning Board of Appeals for a dimension variance.

3. Existing Building Setback (Section 3.1.24D)

- Based upon our measurements, the existing Buddy's Pizza is more than 300' from the proposed Jax Kar Wash.

4. Dumpster (Section 4.19.2F)

- We are proposing to move the dumpster to the north to be placed "behind" the front of the building.

5. Loading/Unloading (Section 5.4.2)

- The proposed car wash does not have a specific need for loading/unloading area for its business operations.

6. Parking Lot Landscaping (Section 5.5.3C)

- The deficiencies in the proposal landscape plan are related to the fact that the site is encumbered with two existing utility easements for gas and electricity which do not permit the planting of landscaping in these easement areas.

7. Correlated Color Temperature (Section 5.7.3F)

- The correlated color temperature will be revised on the site plan submittal drawings.

8. Section 9 Waiver (Section 5.15)

- A waiver is being requested for the overage on horizontal lap siding and asphalt shingles.

Planning Review Chart:

Rezoning Signs:

- The required rezoning signage has been installed.

Posted Fire Lanes:

- The height of the EXP structure will be provided during site plan review.

Dumpster:

- We are proposing to move the dumpster to the north to be placed “behind” the front of the building.

Dumpster Enclosure:

- The required dumpster height and enclosure material will be provided during site plan review.

Outdoor Vacuums:

- A copy of the noise study related to the vacuums and car wash will be provided for review.

Vacuum Enclosure:

- The proposed vacuum system is located within the proposed building, see sheet PFP-1 for details.

Noise Specifications:

- A copy of the noise study related to the vacuums and car wash will be provided for review.

Design and Construction Standards:

- The legal description and sidwell number will be added to the cover sheet.

Economic Impact:

- The economic impact will be provided with the site plan approval documents.

Parcel Split:

- The proposed development will require a land division approval to create the development parcel.

Building Lighting:

- A photometric plan and details for the building lighting were provided with the PRO submittal documents, a copy of these documents will be provided with the site plan approval documents.

Color Spectrum Management:

- The correlated color temperature will be revised on the site plan submittal drawings.

Landscaping:

Ordinance Considerations

- If the existing landscape is damaged during grading, the plantings will be replaced. (Section 37)
- A deviation is requested for parking lot landscaping, see page 2. #6 of this document. (Section 5.5.3C)

Landscape Review summary Chart:

Landscape Plan Requirements:

- Reducing the impact of grading on existing plantings will be maximized as much as possible.
- Soil information is located on sheet C-3.0.
- Utilities, structures, and restrictions of easements are indicated on the Landscape plans.
- Proposed lighting shall be shown on the Landscape plans and will avoid conflict with trees.
- Trees shall be 10' minimum from hydrants, catch basin, manholes and sanitary sewer.
- The easements shall determine the required spacing of proposed trees. Trees will be located outside the utility easements.
- Snow deposit areas shall be smaller in size shown on the Landscape plans.

- Accessway perimeter trees will be added along the bypass lane, where possible outside of the easement.

Landscaping Requirements, Berm Requirement:

- The accessway parallel to Cabaret Dr. tree calculation shall be revised as noted.

Landscaping Requirements, General:

- Parking stall length is noted, refer to civil plans.
- The south end parking space of the east vacuum bay shall include a tree as utilities allow.
- The storm line shall shift, if possible, to allow the above noted tree.

Landscaping Requirements, All Categories:

- Square foot label shall be added to the NE and SE corner of the vacuum area.
- The SE corner area noted above shall include a tree if the storm line can be shifted.

Landscaping Requirements, Parking Lot Perimeter Trees:

- The two trees shall shift farther than 15 feet away from the parking to the area between the building and vacuum area. A note will be added to the landscape plans noting this request.
- The third most distant tree shall move to the NE corner of the vacuum area, the storm catch basin may need to shift to allow this.

Landscaping Requirements, Access perimeter Trees:

- The entire perimeter shall count toward the tree total unless the west side utility does not allow.
- Trees shall be added, when possible, towards the above and spread out evenly as utilities allow.
- Landscape deviation is requested as noted on page 2. #6 of this document. (Section 5.5.3.C)
- If easements prevent trees being planted on the west side, this will be indicated and noted on the landscape plans.

Landscaping Notes, Details and General Requirement:

- Multi stem plant detail will be added to the Landscape Detail sheet.
- Reducing the impact of grading on existing plantings will be considered and noted. Trees will be protected with tree protection fence and replaced if damaged or removed.
- It is noted that no woodland tree replacement is required.

Irrigation Plan:

- Irrigation Plans will be provided for Final Site plan.
- Comments noted in the review letter will be incorporated into the Irrigation Plans.

Engineering

The comments noted in the review letter will be incorporated into the site plan submittal.

Traffic Engineering Review/Traffic Study

The comments noted in the review letter will be incorporated into the site plan submittal.

Fire

The comments noted in the review letter will be incorporated into the site plan submittal.

If you should have any questions, please feel free to contact this office.

Sincerely,

PEA Group



James P. Butler, PE
Principal/Project Executive

EXHIBIT B

EXHIBIT B

EXHIBIT B



TWELVE MILE CROSSING
— AT FOUNTAIN WALK —

November 7, 2023

The City of Novi
45175 W 10 Mile Road
Novi, MI 48375

To The City of Novi,

My name is Michael Zimmermann and I am the owner of the shopping center Twelve Mile Crossing at Fountain Walk. I have been the owner since November 1, 2020. Before that, my father-in-law, Stanley Spigel was the owner. Between the two of us, the center has been owned by our family for almost 15 years. In that time, there has been a very well located piece of land that has been very difficult to sell or lease. The reason being is that this land is subject to all of the restrictions that the center is subject to. There are over 30 tenants and several of them have restrictions in their leases.

These include all competition with existing restaurants so we cannot have any restaurant that competes with any of the 12 existing restaurants. In addition, Dicks and Floor and Décor have several restrictions in their leases for many other businesses, even if it does not compete with them. We have had a lot of interest from Gas Station/Convenience Stores. This is not a use we want adjacent to this center. I have worked very hard in filling the center, which it is now 100% occupied for the first time since it was built, and I do not want any use that does not compliment the center or that brings it down.

Most of the interest has been from investors that want the land to develop as they wish. Other uses have been too competitive with my existing tenants and would violate their leases. It has been very difficult to find a use that was both a high quality tenant and not in violation of our exclusions.

That is why we are excited about Jax Kar Wash. This is a higher quality use that has absolutely no competition with our tenants. It brings a good amount of traffic to the area and will be complimentary to the other tenants. Jax has a phenomenal reputation in metro-Detroit and we feel they will be a good addition to our center. They do not require a lot of parking and the footprint works well for them.

We had to get special amendments from Dicks and Floor and Décor even for this use. They both agreed, but we had to give one of them concessions in order to get this permission. I do not anticipate this causing any traffic issues as the entrance is not going to be on 12 mile Rd. As the final piece to the completed development of this center, I highly encourage the city to approve this use. It has been vacant too long and the interest



TWELVE MILE CROSSING
— AT FOUNTAIN WALK —

is just not there. I feel it could remain vacant for a very long time as there are just not that many uses allowed for this spot. I am free to speak about this at any time. My cell is 214-725-9933. Thank you for your consideration.

Sincerely,

Michael D. Zimmermann

Emagine Entertainment, Inc.
Mailing Address: P.O. Box 841, Troy, MI 48099-0841
Physical Address: 3838 Livernois Rd., Suite 200, Troy, MI 48083

January 17, 2024

Dear Michael,

As a long-standing tenant of Twelve Mile Crossing at Fountain Walk, we very much support the development of a Jax Kar Wash on the outlot located at the northwest corner of the shopping center property. Bringing such an amenity to the center would encourage more annual visitors to the center and complement the already diverse array of services offered in the marketplace. Having recently gone through some challenging times in our industry, and not yet seeing the full recovery in patron count that we enjoyed prior to Covid, we covet the opportunity serve more guests. Not only will such an amenity add to the center's foot traffic, but I can envision a scenario where customers choose to enjoy a feature film while their car is being detailed.

If you require special dispensation to secure the entitlements to move forward with the development, and positive affirmation from members of the business community would be of value, please don't hesitate to call on me.

With best regards,

Paul

Paul A. Glantz

Co-Founder / Chairman

Emagine Entertainment, Inc.

Mailing Address: P.O. Box 841, Troy, MI 48099-0841

Physical Address: 3838 Livernois Rd., Suite 200, Troy, MI 48083

P. 248.842.5817

www.emagine-entertainment.com

From: David Wentrack <dwentrack@buddyspizza.com>

Subject: Jax Car Wash

Date: February 19, 2024 at 12:21:56 PM CST

To: Michael DuBois <michaeld@greeneearthrealty.net>

Hi Michael,

As the General Manager of Buddy's Pizza I support Jax being added to the lineup of business here at the mall. I think it would increase traffic. As a long time Detroit business, I believe having another long time Detroit iconic brand nearby can only help businesses in the mall. I hope their plans to be put in the Northwest corner of the mall go forward.

Have a happy Monday,

David Wentrack
General Manager
Buddy's Pizza Novi, MI
dwentrack@buddyspizza.com



Feb. 28, 2024

Jax Kar Wash
Todd Gesund

RE: support of Jax Kar Wash Novi

Dear Todd,

I wanted to share with you our support of Jax Kar Wash entre to the Novi community. Specifically, the area of 12 Mile Rd / Cabaret that is part of the larger 12 Mile Crossing at Fountain Walk retail area that offers dining, nightlife, shopping and more.

Full Throttle Adrenaline Park Novi loves the idea of a car wash nearby like Jax as it would bring more traffic/people to Fountain Walk, as well as an additional benefit to the community for another service to consider when locals and visitors take care of their automobiles.

The Jax Kar Wash brand, based in Detroit since 1950's, is synonymous with excellent service provided by qualified crew members. Your company would be a positive addition and fit right in among other tenants in Fountain Walk.

Understanding there is work yet to be done with regards to current zoning, and necessary re-zoning request along the 12mile Rd / Cabaret border of Fountain Walk. We recommend and look forward to the approval by City Council members of Novi to allow the rezoning of land which ultimately accommodates Jax Kar Wash's specific use.

I look forward to having Jax Kar Wash be part of the growing economic strength which Fountain Walk directly provides to Novi and surrounding communities.

Regards,

A handwritten signature in black ink that reads "Tony Eckrich". The signature is written in a cursive, flowing style.

Tony Eckrich
Chief of Staff
Full Throttle Adrenaline Parks

From: Jolene Bell <jolene.bell@puttingedge.com>

Subject: Jax Car Wash

Date: February 14, 2024 at 9:23:27 AM CST

To: Michael DuBois <michaeld@greeneearthrealty.net>

Cc: Mary Ledermann <mary@greeneearthrealty.net>

Hi Michael, I hope you are doing well. This email is in regards to the possibility of a Jax Car Wash in the Fountain Walk Plaza.

We think this would be a good addition as it would bring in more traffic to the mall which could in turn bring us more traffic. This would also enhance the neighborhood appeal.

Thanks,
Jolene

--

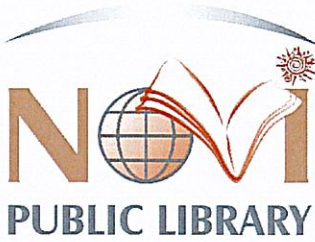
Jolene Bell
Director of Operations
Putting Edge Glow-in-The-Dark Mini Golf

P: [905-364-7901](tel:905-364-7901) | F: [905-364-7889](tel:905-364-7889) | W: www.puttingedge.com

EXHIBIT C

EXHIBIT C

EXHIBIT C



Teen Area at the Novi Public Library

Representatives on behalf of Jax Kar Wash have reached out to Library Administration seeking an opportunity to designate funds to the Novi Public Library as part of a rezoning project in the City of Novi. Jax Car Wash is seeking a rezoning from the City for a lot within Fountain Walk at the corner of 12 Mille Road and Cabaret Drive. Part of a Planned Rezoning Overlay requires that the applicant offers to the city a "Public Benefit." As a "Public Benefit" there is interest in Jax Kar Wash providing support for the Library's teen area project that will commence in the summer of 2024. Jax Kar Wash is willing to fund the entire amount of \$54,040.52 to pay for the entire cost for the renovation project.

Novi Public Library has been in existence since 1960 and currently serves a population of over 60,000 residents. In June 2010, the Library opened a new building that expanded its space from 24,000 sq. ft. to over 59,000 sq. ft. With this expansion brought an opportunity for greater service to the teenage population of Novi as the Library sits adjacent to the Novi High School. After school, the Library serves as a primary focus for studying, group work and socializing for students ages 14 – 18. Due to the large usage by this demographic, the Library continues to make accommodations for space, services and resources available to this specific population. A teen area (located on the 2nd floor of the Library) serves as a study and gathering space as well as houses the fiction book collections for young adult readers.

Daily the Library averages approximately 130 visitors between the hours of 3pm- 5pm to use the teen area or drop into an after school program designed for high school students. We built the space and the teenagers have found us to be useful to their after school needs!

Project Background: The Teen Area, now thirteen years old, shows wear and tear on its furnishings as well as a need to accommodate more seating and growth of collections. Therefore, the Library Board, in February 2024, approved a renovation project to begin on the Teen Area in the summer of 2024 which will include:

- moving book collections out of the current space and into a more visible and accessible area just outside the room in order to provide more shelving and growth of reading materials.
- A glass door will be installed to the space to allow for larger groups to meet in the space without disrupting other areas of the Library.
- Additional seating will be added to accommodate a greater use of the space by the teen population. Seating will vary from flexible comfy seating for casual reading, tables and chairs for group discussions and single seating for individual study.

- Updated signage will also be added to the space to invite and encourage more use of the teen area. Right now, the signage says Teen Stop, which catchy at the time the Library opened in 2010, has been called out as a deterrent of use by the demographic it is designed to serve.
- This design also allows for the Library to capture additional seating on its south end by moving some existing round tables that can be repurposed for individual and group use.
- This design allows for growth of seating, collections and a more desirable meeting location for teen users of the Library.

Project Budget: Library staff have met with a library designer to detail the space and furniture needs of the project and provide cost estimates for shelving, furniture, installation of a door, improved signage and the collection relocation.

Estimated cost of the project: \$54,040.52

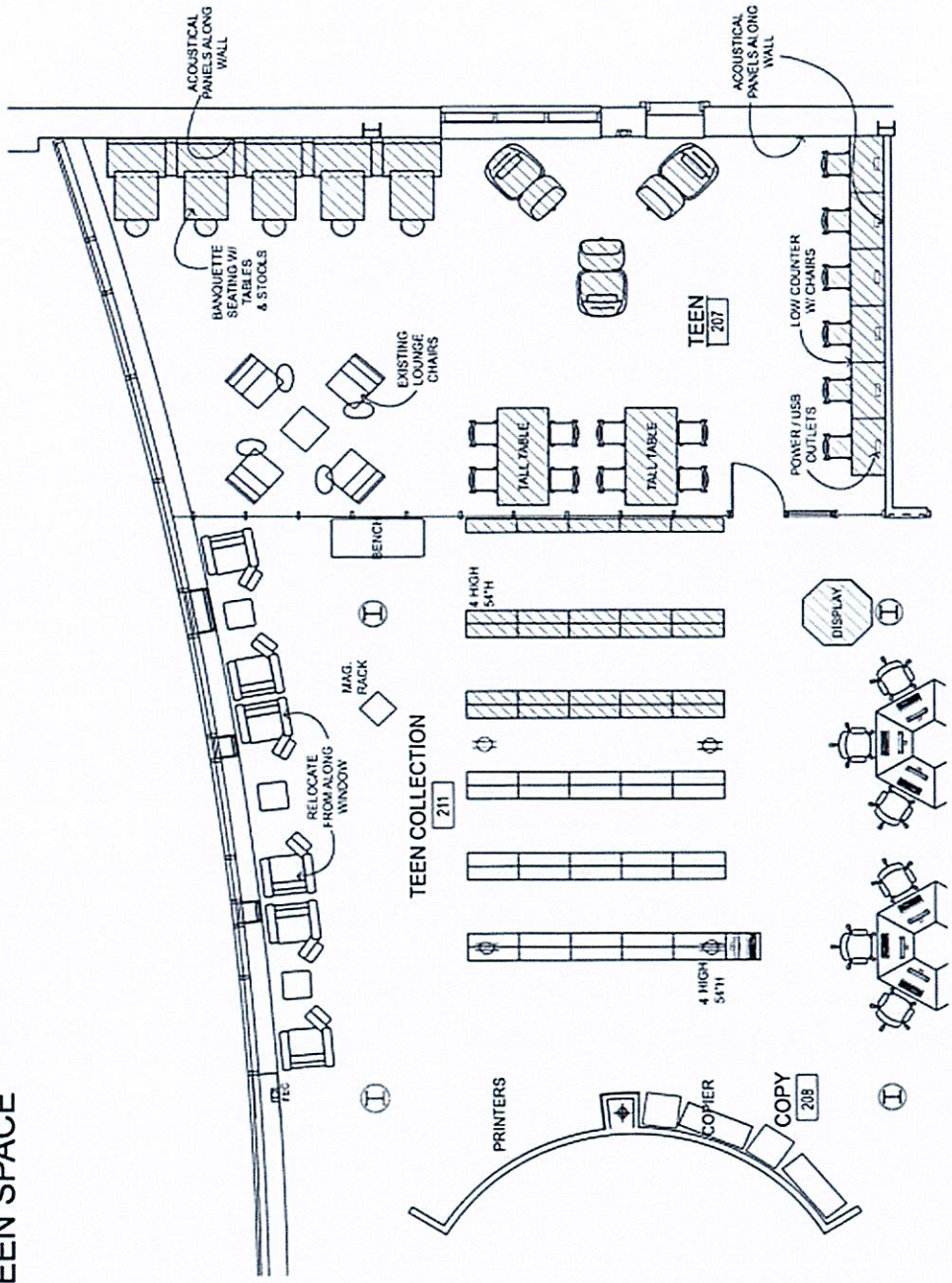
Obtaining outside funding sources to support the teen area renovation would allow the Library to move forward with the project and alleviate concerns for a depleting budget that is currently of concern for future operational needs. Financial assistance for this project would be of great support and benefit to the Library in order to serve the needs of our teen population in Novi.

Breakdown of project costs:

	Description	Cost
Library Collection Shelving	Relocation of shelving, cut shelving to fit new location, addition of end panels and canopy tops	\$18,320.00
Electrical work	Disconnect & remove existing signage (Teen Stop) add plugs for new desks	\$1,985.52
Furniture	(6) Individual Teen Single Face Study Tables	\$9753.00
Furniture	(3) Teen Low Lounge Chairs	\$11,442.00
Entry door	Trendway Volo clear tempered glass door and sidelight includes installation	\$8,640.00
Relocation of Study Carrels	Study carrels relocated for the accommodation of teen shelving	\$1,400.00
Teen Area Signage	New design to be located on either the new door, above the doorway or adjacent on the glass walls	\$2,500

Attached is a diagram of the space renovation for the teen area as well as just outside the space to show the movement of collections for more teen focused reading materials and the new space for gathering.

NOVI PUBLIC LIBRARY TEEN SPACE



SCALE: 1/8" = 1'

For more information regarding the Library teen project, please contact:

Julie Farkas

Director - Novi Public Library

Office: 248-869-7233

Email: jfarkas@novilibrary.org