

EXTRA SPACE SELF STORAGE JSP22-48

JSP22-48 EXTRA SPACE SELF STORAGE

Public Hearing at the request of GHK, Inc. for approval of the Preliminary Site Plan, Special Land Use Permit, Wetland Permit, Woodland Permit, and Stormwater Management Plan. The subject property is approximately 4.3 acres and is located south of Nine Mile Road on the east side of Novi Road in the I-1, Light Industrial District. The applicant is proposing to renovate the existing building and build a new 3-story building to repurpose the site for an indoor climate-controlled self-storage facility.

Required Action

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

REVIEW	RESULT	DATE	COMMENTS
Planning	Approval recommended	5-22-23	 Special Land Use considerations Zoning Board of Appeals Variance from Section 4.19.2.F. for dumpster location in the interior side yard. (Supported as it is screened and placed to avoid impacts to natural features) Items to be addressed by the applicant prior to Final Site Plan approval
Engineering	Approval recommended	5-16-23	Items to be addressed by the applicant prior to Final Site Plan approval
Landscaping	Approval recommended (contingent on corrections)	4-17-23	 Waiver for lack of 10 accessway perimeter trees along north edge property line (Supported as area is too narrow for tree planting). Items to be addressed by the applicant prior to Final Site Plan approval
Woodland	Approval recommended	4-24-23	 Woodland permit for removal or impact to 4 trees, requiring 8 replacement credits Conservation easement to protect woodland credits planted on-site
Wetland	Approval recommended	4-26-23	 Wetland Permit required Positive impact as existing pavement within wetland to be removed
Traffic	Approval recommended	5-2-23	 Items to be addressed by the applicant prior to Final Site Plan approval
Façade	Approval recommended	1-23-23	Section 9 Façade Waiver for overage of EIFS on the west and south façade, overage of CMU on the north and east facades. (Supported, as not highly visible)

			from public ROW) Items to be addressed by the applicant prior to Final Site Plan approval
Fire	Approval recommended	4-17-23	 Items to be addressed by the applicant prior to Final Site Plan approval

MOTION SHEET

Approval – Special Land Use Permit

In the matter of Extra Space Self Storage, JSP22-48, motion to **approve** the <u>Special Land Use Permit</u> based on the following findings:

- a. Relative to other feasible uses of the site:
 - i. The proposed use will not cause any detrimental impact on existing thoroughfares in terms of overall volumes, capacity, safety, vehicular turning patterns, intersections, view obstructions, line of sight, ingress and egress, acceleration/deceleration lanes, off-street parking, off-street loading/unloading, travel times and thoroughfare level of service because the proposed use is compatible with the surrounding area, no new driveways are proposed on Novi Road except an emergency access, and the number of peak-hour trips is relatively low:
 - ii. The proposed use will not cause any detrimental impact on the capabilities of public services and facilities, including water service, sanitary sewer service, storm water disposal and police and fire protection to service existing and planned uses in the area because the use of the site is expected to have lower water and sanitary use compared to the previous use;
 - iii. The proposed use is compatible with the natural features and characteristics of the land, including existing woodlands, wetlands, watercourses, and wildlife habitats because the proposed use removes pavement from the wetland area and proposes to replant with a wetland seed mix, and impacts to trees are minimized by redeveloping a previously occupied site;
 - iv. The proposed use is compatible with adjacent uses of land in terms of location, size, character, and impact on adjacent property or the surrounding neighborhood because the proposed use is similar to the storage use to the south, and additional building height is located so as to minimize its impact;
 - v. The proposed use is consistent with the goals, objectives, and recommendations of the City's Master Plan for Land Use because the proposed use is a compatible commercial development that provides economic value to the community;
 - vi. The proposed use will promote the use of land in a socially and economically desirable manner because it is a proposed adaptive reuse of a vacant site and will add a storage service option to the surrounding area;
 - vii. The proposed use is listed among the provision of uses requiring special land use review as set forth in the various zoning districts of this ordinance, and is in harmony with the purposes and conforms to the applicable site design regulations of the zoning district in which it is located.
- b. (additional comments here if any)

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

- AND -

Approval – Preliminary Site Plan

In the matter of Extra Space Self Storage, JSP22-48, motion to **approve** the <u>Preliminary Site Plan</u> based on and subject to the following:

- a. The Zoning Board of Appeals granting a variance from Section 4.19.2.F of the Zoning Ordinance for the location of the dumpster in the interior side yard;
- b. Landscape waiver (Section 5.5.3.C) for a deficiency of 10 accessway perimeter trees along the northern property lines, because there isn't enough area to support tree planting, which is hereby granted;
- c. Section 9 Façade Waiver for an overage of EIFS on the west and south façade (35% proposed, maximum of 25% permitted), and an overage of painted CMU on the north and east facades (84% and 100% proposed, respectively, 0% permitted). The EIFS material is set back approximately 300 feet from the main façade. The CMU represents a continuation of existing materials and will not be highly visible from public ROW. As the overall design is found to be consistent with the intent and purpose of the Façade Ordinance, the waiver is hereby granted;
- d. The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those letters being addressed on the Final Site Plan; and
- e. (additional conditions here if any)

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

-AND-

Approval – Wetland Permit

In the matter of Extra Space Self Storage, JSP22-48, motion to **approve** the <u>Wetland Permit</u> based on and subject to the following:

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

(This motion is made because the plan is otherwise in compliance with Chapter 12, Article V of the Code of Ordinances and all other applicable provisions of the Ordinance.)

-AND-

Approval – Woodland Permit

In the matter of Extra Space Self Storage, JSP22-48, motion to **approve** the <u>Woodland Permit</u> based on and subject to the following:

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

(This motion is made because the plan is otherwise in compliance with Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- AND -

Approval - Stormwater Management Plan

In the matter of Extra Space Self Storage, JSP22-48, motion to **approve** the <u>Stormwater Management Plan</u> based on and subject to the following:

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

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

- OR -

<u>Denial – Special Land Use Permit</u>

In the matter of Extra Space Self Storage, JSP22-48, motion to **deny** the <u>Special Land Use Permit</u>...(because the plan is not in compliance with Article 4, Article 5, and Article 6 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

Denial – Preliminary Site Plan

In the matter of Extra Space Self Storage, JSP22-48, motion to **deny** the <u>Preliminary Site</u> <u>Plan</u>...(because the plan is not in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

-AND-

Denial-Wetland Permit

In the matter of Extra Space Self Storage, JSP22-48, motion to **deny** the <u>Wetland Permit</u>... (because the plan is not in compliance with Chapter 12, Article V of the Code of Ordinances and all other applicable provisions of the Ordinance.)

-AND-

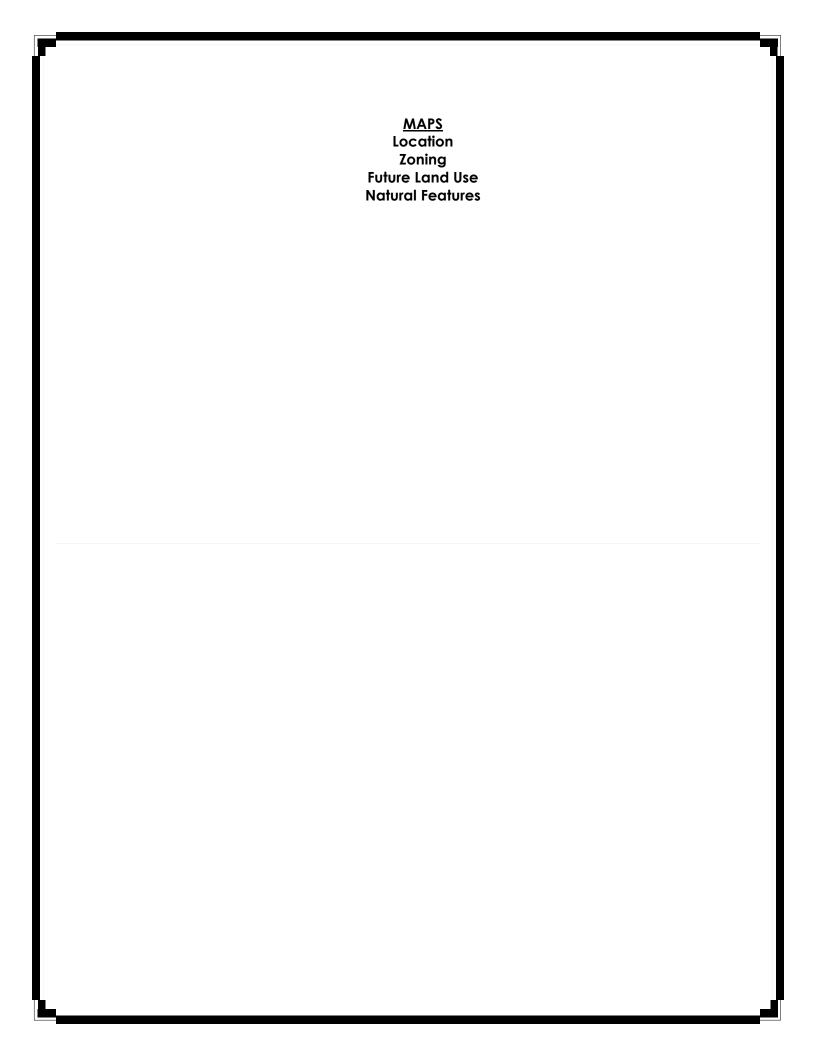
Denial– Woodland Permit

In the matter of Extra Space Self Storage, JSP22-48, motion to **deny** the <u>Woodland Permit</u>... (because the plan is not in compliance with Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

– AND –

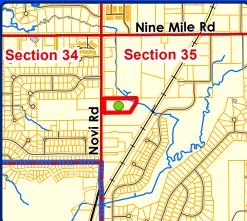
Denial - Stormwater Management Plan

In the matter of Extra Space Self Storage, JSP22-48, motion to **deny** the <u>Stormwater Management Plan</u>...(because the plan is not in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)



EXTRA SPACE SELF STORAGE LOCATION





LEGEND

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: 5/31/23 Project: EXTRA SPACE STORAGE



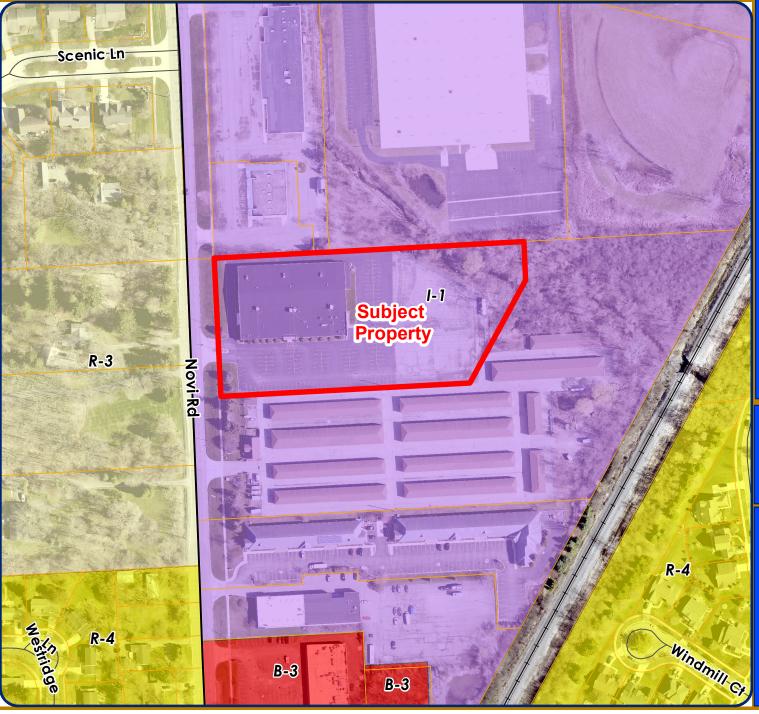
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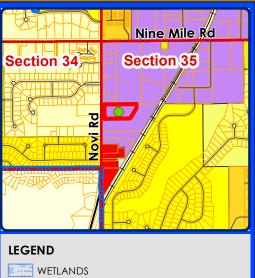
MAP INTERPRETATION NOTICE

MAP IN TEXTREMENTATION NOTICE.

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EXTRA SPACE SELF STORAGE ZONING





WOODLANDS

R-1: One-Family Residential District

R-2: One-Family Residential

R-3: One-Family Residential District

R-4: One-Family Residential District

RM-1: Low-Density Multiple Family

B-3: General Business District

I-1: Light Industrial District

P-1: Vehicular Parking 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: 5/31/23 Project: EXTRA SPACE STORAGE Version #: 1

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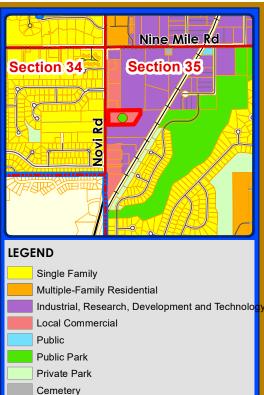
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EXTRA SPACE SELF STORAGE

FUTURE LAND USE







City of Novi

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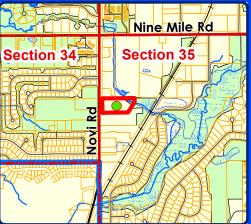
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EXTRA SPACE SELF STORAGE

NATURAL FEATURES



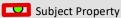


LEGEND



WETLANDS







City of Novi

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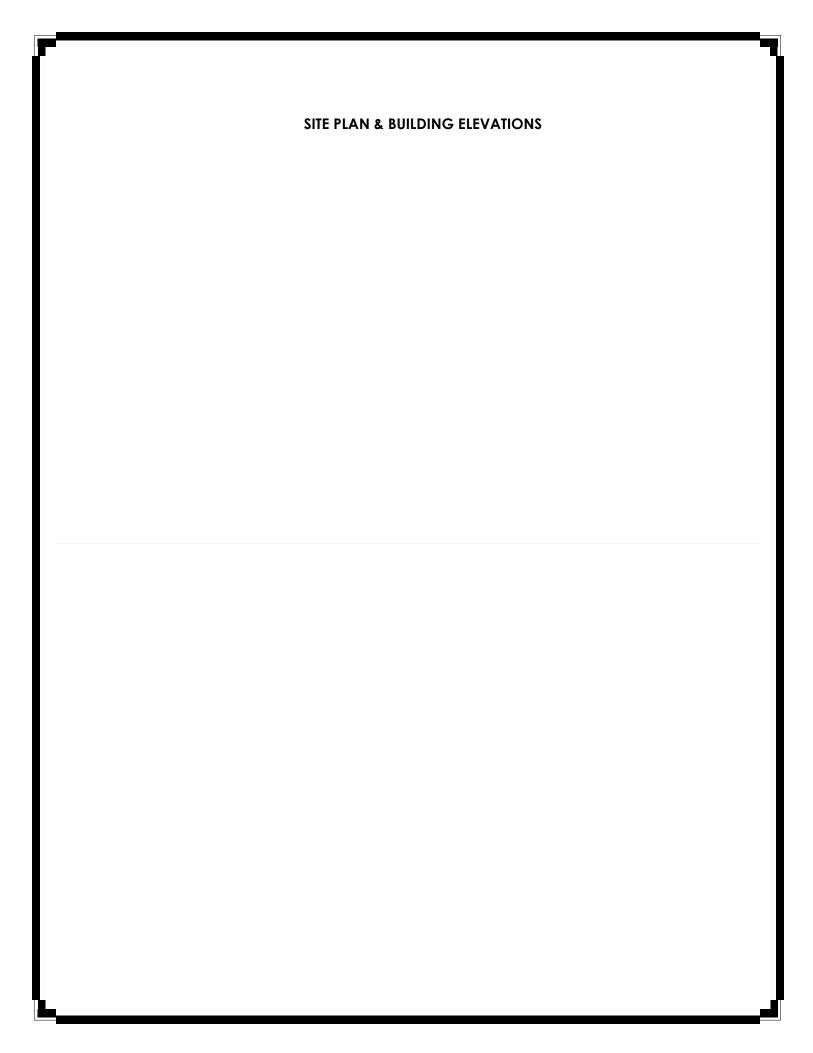


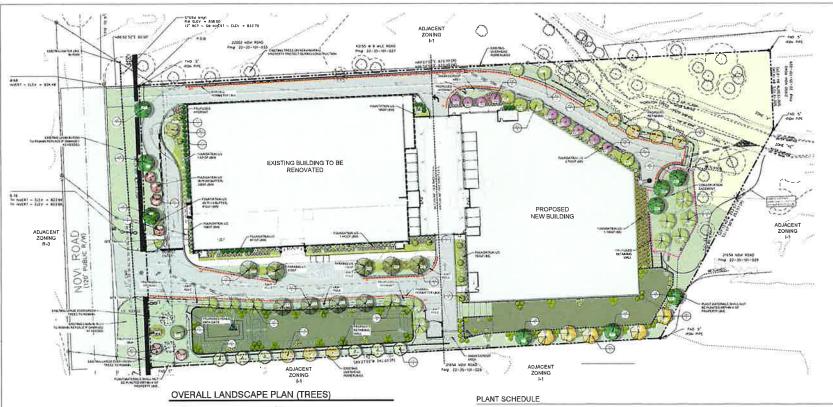
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30 60 60 90 90

LANDSCAPE CALULATIONS	SCALE 1" = 30"	_	·
PROPERTY ZONED	NT TO PARKING)		
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MINUT HORTH ACCESS DAN'E	I PERINTER TREE 25LF (CEPOS-14 GG TRYF) REQUIRED,	PROV	FEECEDOOUS CANDRY THEES PROVIDED.
		AW	13 DECIDIAÇUS CANOPY TREES PROVIDED
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BUILDING FOUNTATION LANDSCAPE		LABEL	PROVIDED
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PROPOSED BUILDING (EAST)	BUILDING PERIMETER 585LF-7-J-3+640X8 + 4 5765F	BE	4 6045F
DETENTION/RETENTION BASIN		LABEL	PROVIDED
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DETENTION/RETENTION BASIN		LABEL	PROVIDED
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PLANT SCHEDULE						
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1)	NS	1000	Nysea epictus / Black Com-	Gallon or B&9	3 Cal	10 - 12 HL
(C)	QA	9	Quarcus alba / White Oak	Gallon or B&B	2.50° Call Single Trunk	10 - 12 HL
	QS		Querius shumaner / Shumaner Der	Gallon or B&B	3° Cal	10 - 12' HL
OKCHRADAS INDICAMENT INCO	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
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.)	. 40	1	Amelanchier it grandiflora. Autumn Brillance: / Autumn Brillance Apple Serviceberry	Gallon or BAB	Z-Cal	8'-10 ht.
7.7	CA		Carpinus carolinana / Amelican Homboam	Gallon or B&B	Z'-Cal	8'-10' hL
.)	C#	(6)	Cornus Ilotida / Flowering Cogwood	Gallon or B&B	7-Cal	a'-10 M.
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	15		Trup occionale Shungd / Emerili Gren Accorda	Gallon or BAB	Full to the Ground	6-8 M

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SITE INFO:

SELF STORAGE FACILITY 36 571 SF EXISTING 100 200 S F. PROPOSED (3-STORY)

ADDRESS: 21700 NOVI RD NOVI, MI 48375

IME 22-25-101-016 CONING PT

USE: SELF STURAGE FACILITY EXISTING LAND AREA 4 32 ACRES

BUILDING SETBACKS REQ'D 40' FRONT 20' BIDE 20' REAR PROPOSEO PANEINO. IN SPACES IS ADAI



PROJECT:

PROPOSED SELF STORAGE 21700 NOVI ROAD CITY OF NOVI, MI.

DRAWING:

OVERALL LANDSCAPE PLAN (TREES)





ALPHONSE BARCIA III LANDSCAPE ARCHITECT LLC.

562 CLAYTON COURT SLIDELL, LOUISIANA 70461 BARCIAOESIGNS@GMAIL.COM 1985; 960-0429

GHK DEVELOPMENT, INC. 39 20 MAGAZINE STREET NEW ORLEANS, LA. 70115 GORDEN H. KOLB JR. (504) 866-7300

DATE: 04/04/2023

SITE DEVELOPMENT PLANS FOR: Self Storage Facility

21700 Novi Rd. Novi, MI 48375 City of Novi

TIN. R8E. SEC 35 PART OF NW 1/4 BEG AT PT DIST S 00-15-00 W 1319.85 FT & N 89-27-02 E 31.07.50 W 253 57 FT. TH S 89.27.02 W 542 85 FT. TH N 00.15.00 F 300 00 FT TO REG 4 31 A



LOCATION MAP



SITE CONTACTS

	PLANNING/ PERMIT COORDINATOR
AGENCY:	City of Novi
ADDRESS:	45175 Ten Mile Road
	Novi, MI 48375 248-735-5607
CONTACT:	Christian Carroll
EMAIL:	ccarroll@cityofnovi.org

AGENCY: City of Novi ADDRESS: 45175 Ten Mile Road Novi, MI 48375 PHONE: 248-735-5621 CONTACT: Rick Meader EMAIL: rmeader@cityofnovi.org

FIRE DISTRICT

AGENCY: Nov! Public Safety Administration ADDRESS: 45125 Ten Mile Rd Nov!, MI 48375
PHONE: 248–348–7100
CONTACT: Matt Marken

AGENCY: City of Novi Public Works ADDRESS: 26300 Lee BeGole

AGENCY: City of Novi Public Works ADDRESS: 26300 Lee BeGole Novi, MI 48375 PHONE: 248-735-5640 CONTACT: EMAIL:

STORMWATER

SHEET INDEX

DWG. NO.

C001

DESCRIPTION

CIVIL TITLE SHEET

EXISTING CONDITIONS & DEMOLITION PLAN	C002
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SPOT ELEVATIONS PLAN	C202
STORM DRAINAGE PROFILES	C203
EROSION CONTROL PLAN - PHASE 1	C211
EROSION CONTROL PLAN - PHASE 2	C212
UTILITY PLAN	C301
WATER LINE PROFILES	C302
SITEWORK NOTES AND DETAILS	C501-C508
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	A1.12c
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ARCHITECTURAL AREA CALCS & LINE OF SIGHT	A2.12
	A9.01
ARCHITECTURAL EXTERIOR PERSPECTIVE	A9.02
PHOTOMETRIC PLAN	SE0.1
	WETLANDS/FELOOD PLAIN PLAN GRADING & PRAINAGE PLAN SPOT ELEVATIONS PLAN SPOT ELEVATIONS PLAN STORM DEANINGE PROFILES EROSION CONTROL PLAN - PHASE 1 EROSION CONTROL PLAN - PHASE 2 UTILITY PLAN WATER LINE PROFILES SITEWORK NOTES AND DETAILS LANDSCAPE PLAN ARCHITECTURAL SITE DETAILS ARCHITECTURAL FIRST FLOOR PLAN EXHIBIT ARCHITECTURAL SECOND AND THIRD FLOOR PLAN EXHIBITS ARCHITECTURAL EXCENDER AND THIRD FLOOR PLAN EXHIBITS ARCHITECTURAL ARCA CALCS & LINE OF SIGHT ARCHITECTURAL ARCA CALCS & LINE OF SIGHT ARCHITECTURAL ARCA CALCS & LINE OF SIGHT ARCHITECTURAL EXTERIOR PERSPECTIVE ARCHITECTURAL EXTERIOR PERSPECTIVE

*ROLINDARY & TOPOGRAPHIC SURVEY (BY CRANE LAND SURVEYING)

DEVELOPER

COMPANY: GHK Developments, Inc. 3920 Magazine St. New Orleans, LA 70115 PHONE: 504-866-7300 CONTACT:

Gordo Kolb EMAIL: gordo@ghkinc.com

CIVIL ENGINEER

ADDRESS:

PHONE:

CONTACT:

COMPANY: | Bluewater Civil Design, PLLC 718 Lowndes Hill Rd Greenville, SC 29607 864-326-4204 Jason S. Henderson, P.E. EMAIL: jason@bluewatercivil.com

SURVEYOR

COMPANY: | Global Land Solutions 9730 N. Greenville Rd. ADDRESS: Lakeview, MI 48850 PHONE: 989-352-4000

NOVI, MI 21700 Novi Rd Novi, MI 48375 STORAGE FACILITY



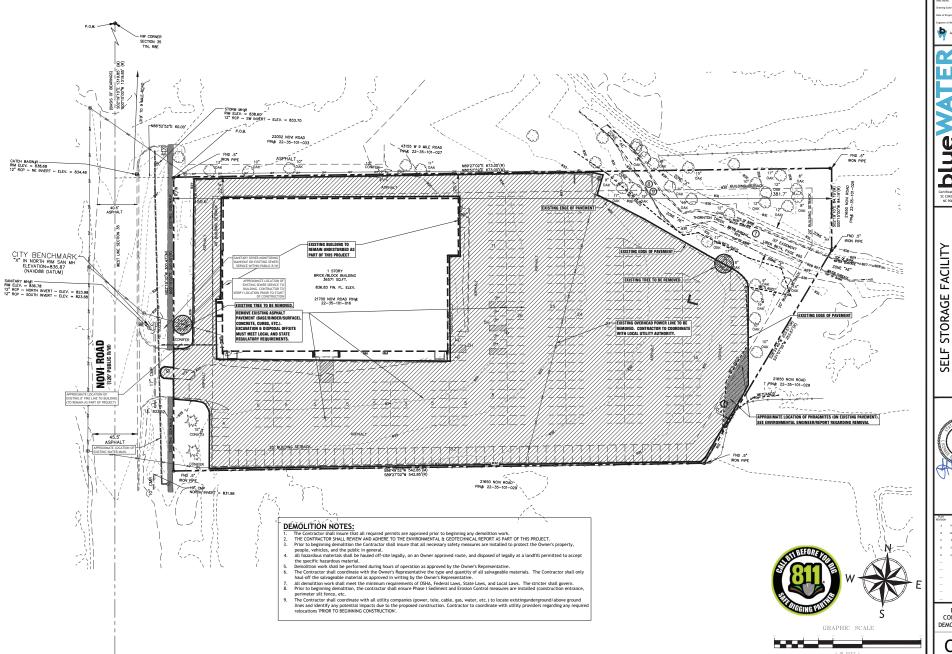
SELF

CIVIL TITLE SHEET

C001

CONTACT

FMAII -



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2022-12 Old One
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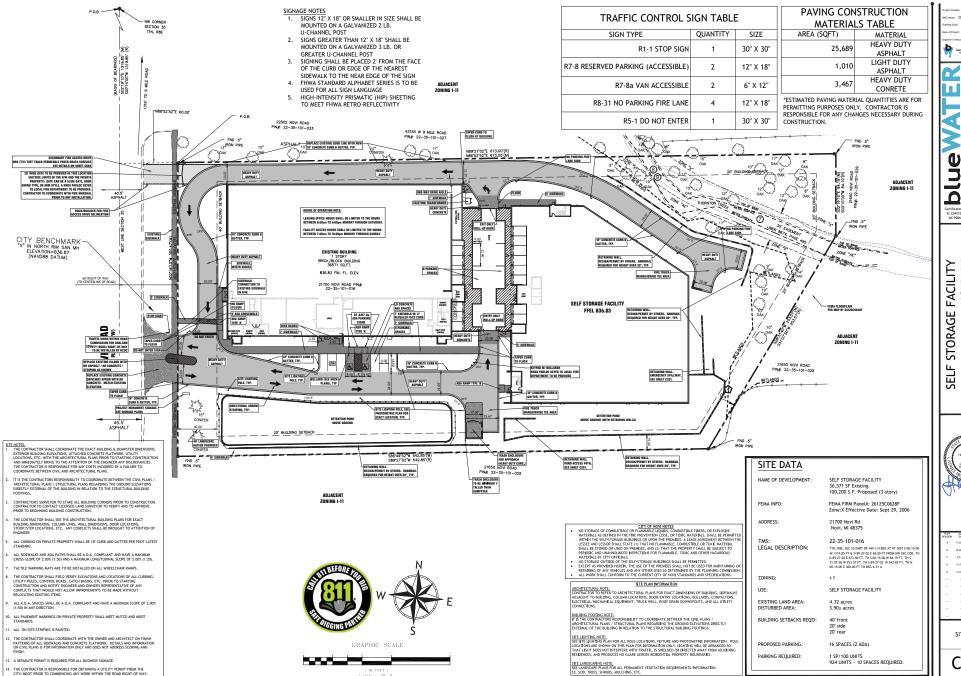
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STORAGE FACILITY
NOVI, MI
21700 Novi Rd
Novi, MI 48375

OF MICO JACK PENCERSON STORESS INVESTIGATION STORESS INVESTIGATION

EXISTING CONDITIONS & DEMOLITION PLAN

C002



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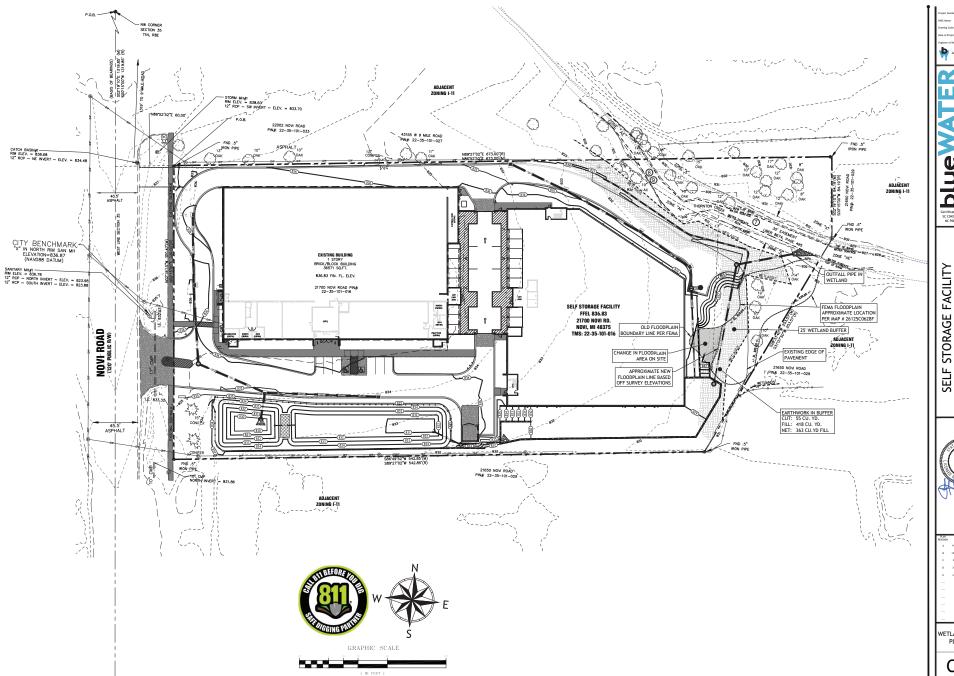
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NOVI, MI 21700 Novi Rd Novi, MI 48375

SITE PLAN

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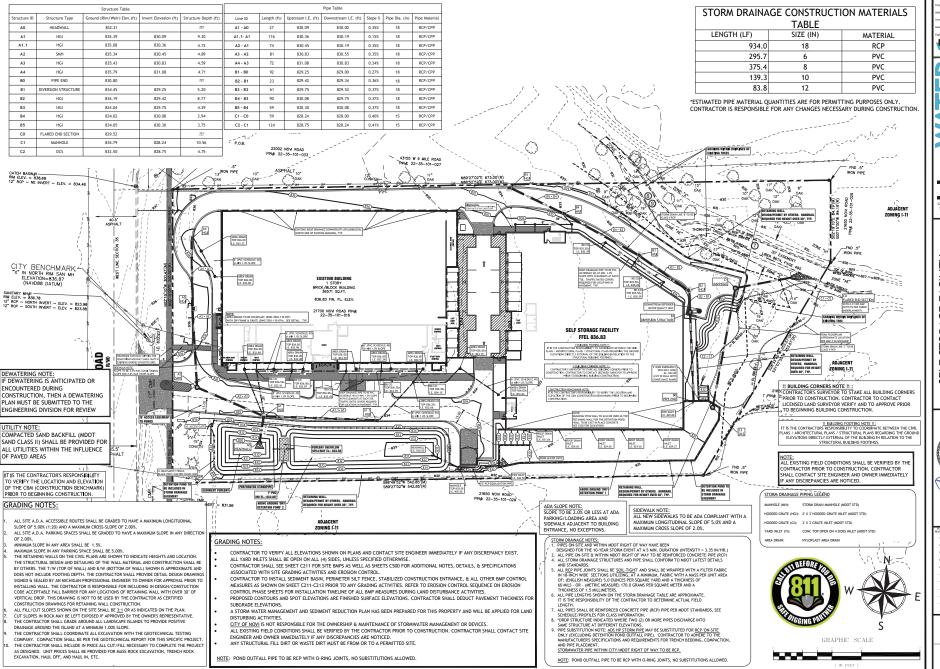
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blue c1v11

Certificates of Authorization SC C04212 - GA PEF005865 NC P0868 - AL CA4065E

- STORAGE FACILITY
NOVI, MI
21700 Novi Rd
Novi, MI 48375

WETLANDS / FLOOD PLAIN PLAN



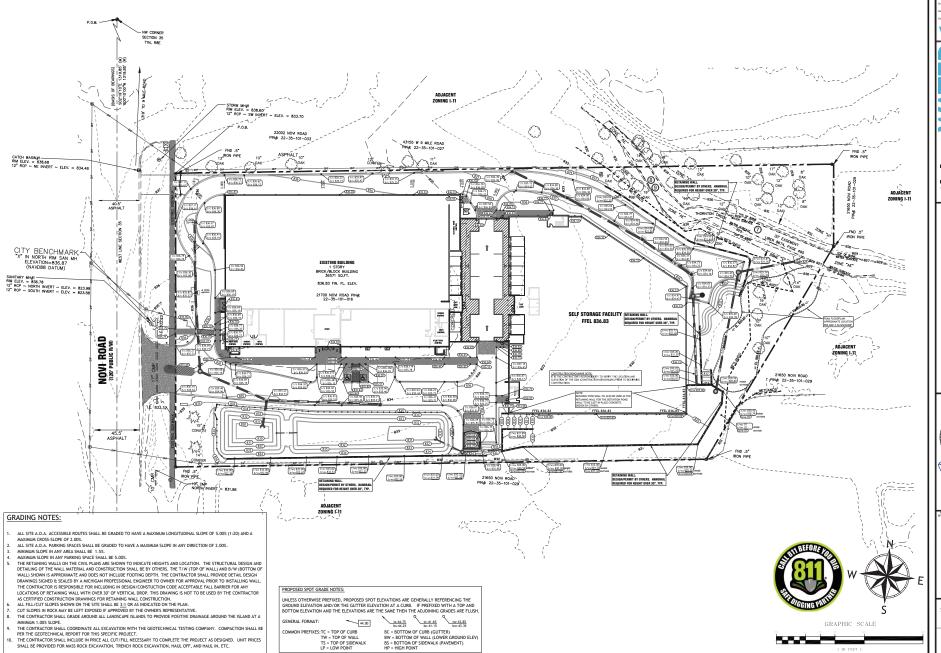
ring Scale: as noted of Project: 1-2022 W T W 3 Ū Ū NOVI, MI 21700 Novi Rd Novi, MI 48375 FACILITY STORAGE EF

> OT ALC MOSS FENCESSON FENCESSON OST 10027 OST 170223

3-17-2022 ESCARE FOR OWNER
SOURCE
SOURCE
SOURCE
MOVI COMMENTS

GRADING & DRAINAGE PLAN

C201





SELF STORAGE FACILITY

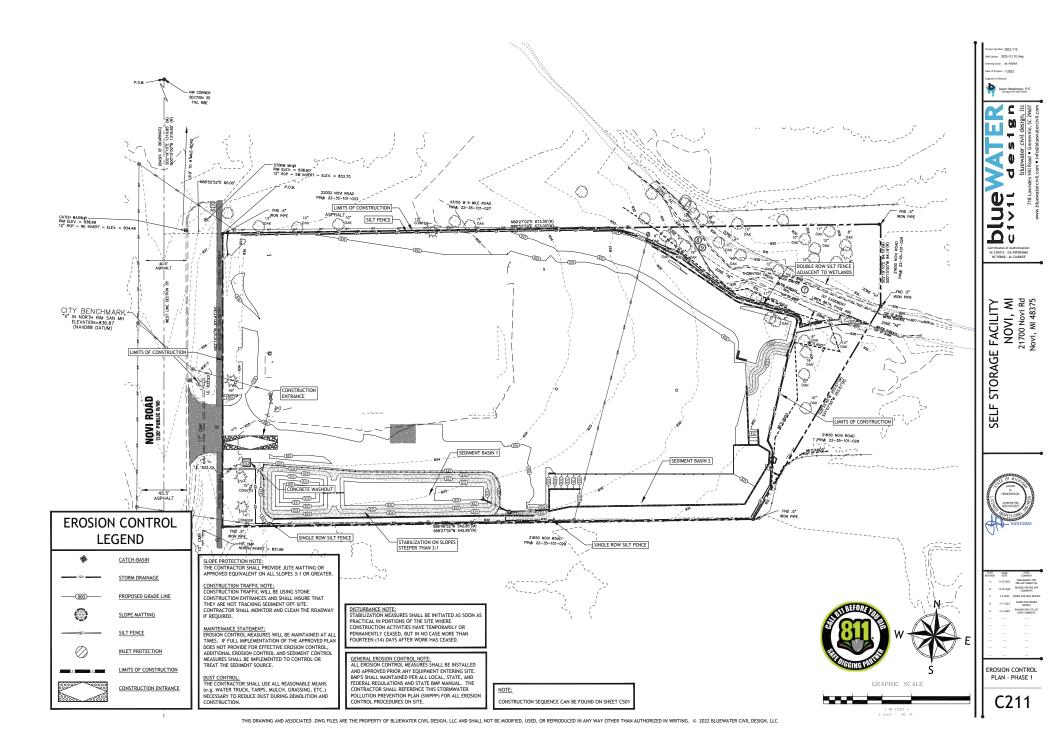
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21700 Novi Rd
Novi, M 48375

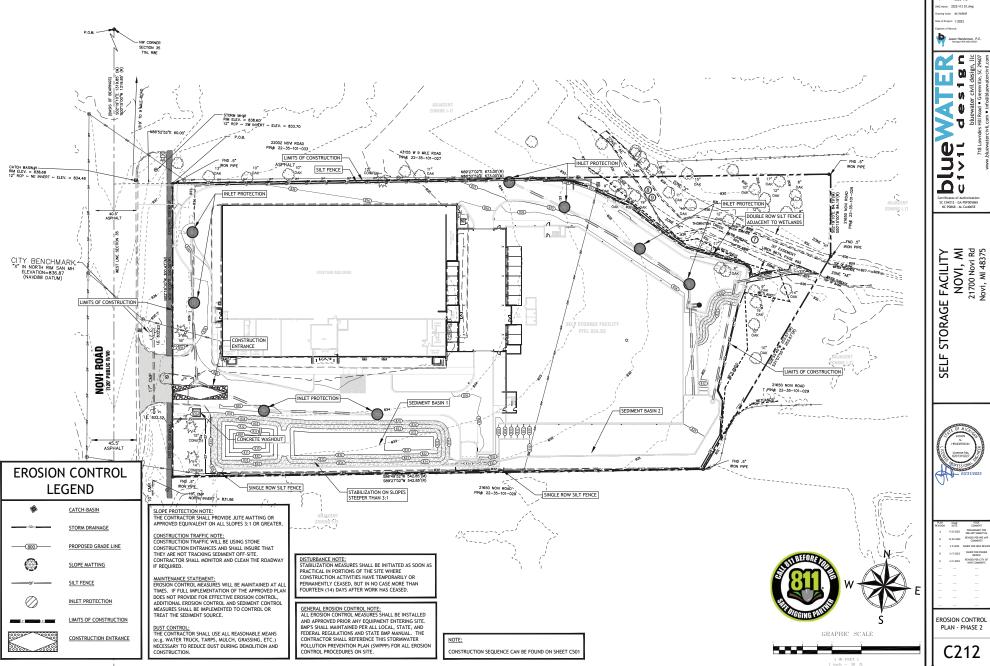


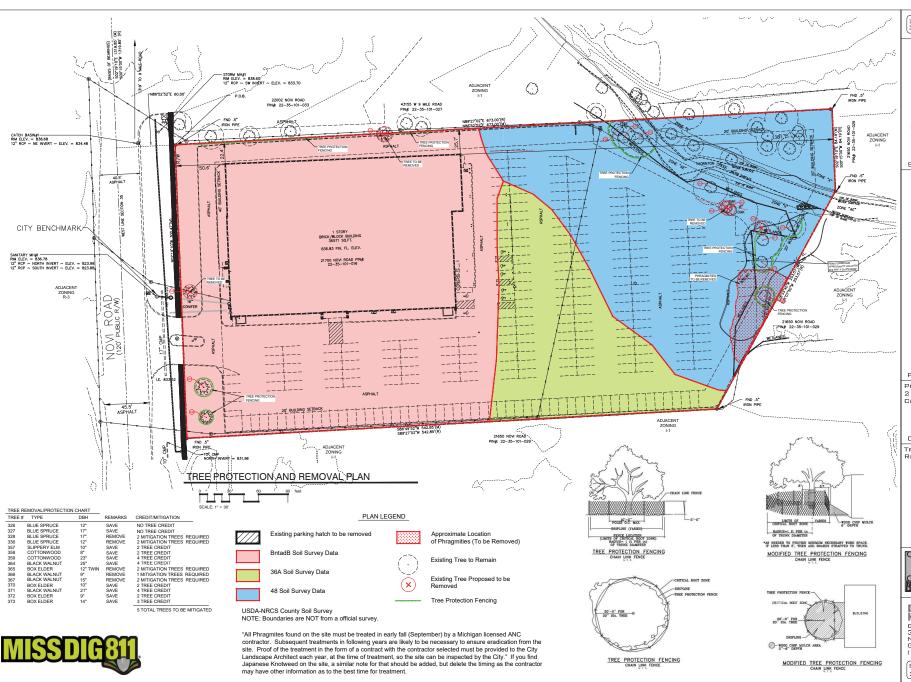
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SPOT ELEVATIONS PLAN

C202







LAYOUT IS SCHEMATIC ONLY AND IS SUBJECT TO REVIEW & APPROVAL BY GOVERNING AGENCIES. PROPERTY LINE AND EXISTING CONDITIONS ARE FROM GIS INFORMATION AND HAS NOT SEEN CONFIRMED.



SITE INFO:



PROJECT:

PROPOSED SELF STORAGE 21700 Novi Road CITY OF NOVI, MI.

DRAWING:

TREE PROTECTION AND REMOVAL PLAN





ALPHONSE BARCIA III LANDSCAPE ARCHITECT LLC.

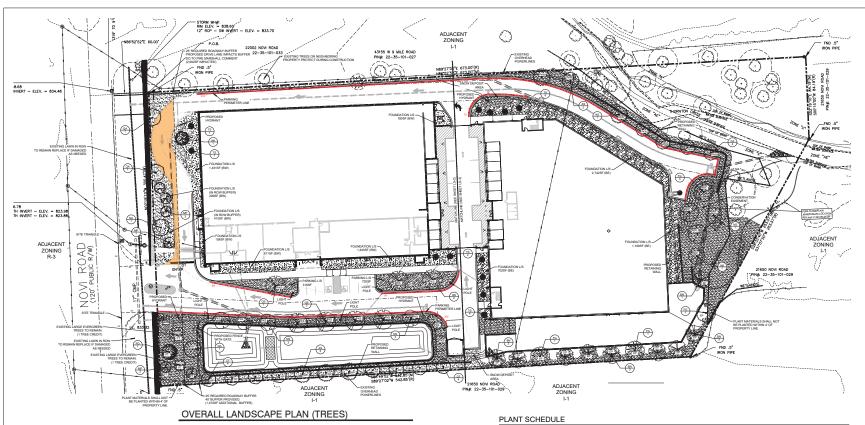
562 CLAYTON COURT SLIDELL, LOUISIANA 70461 BARCIADESIGNS@GMAIL.COM (985) 960-0429



GHK DEVELOPMENT.INC.

3920 MAGAZINE STREET NEW ORLEANS, LA. 70115 GORDEN H. KOLB JR. (504) 866-7300

DATE: SHEET: 3/31/2023 LS-D



LANDSCAPE CALULATIONS	SCALE: 1" = 30'		
PROPERTY ZONED: I-1 (NOT ADJACEN	IT TO PARKING)		
PARKING LANDSCAPE	PARKING ABUTS ACCESS DRIVE	LABEL	PROVIDED
478LF SOUTH ACCESS DRIVE	1 PERIMETER TREE 35LF (478/35=13.66 TREES REQUIRED)	PKS	13 DECIDUOUS CANOPY TREES PROVIDED
688LF NORTH ACCESS DRIVE	1 PERIMETER TREE 35LF (688/35=19.66 TREES REQUIRED)	PKN	7 DECIDUOUS CANOPY TREES PROVIDED LANDSCAPE WAIVER REQUIRED
NOVI ROAD, PUBLIC ROW BUFFER	REQUIRED	LABEL	PROVIDED
300' LF-36LF DRIVEWAYS	25' WIDE BUFFER	PT	BUFFER WIDTH IMPACTED BY DRIVE LANE (SEE PLAN FOR DETAILS)
264 LF	1 DECIDUOUS CANOPY OR		3 DECIDUOUS CANOPY TREES PROVIDED
	LARGE EVERGREEN PER 60LF (264/60=4.4 TREES REQUIRED) 1 DECIDUOUS SUB CANOPY 40LF (264/40=6.6 TREES REQUIRED)		1 LARGE EVERGREEN TREES PROVIDED 2 EXISTING LARGE EVERGREEN TREE CREDIT
	T DECIDOOUS SUB-CANOPT - 40EF (204/40=0.0 TREES REQUIRED)		6 DECIDUOUS SUB CANOPY TREES PROVIDED
STREET TREES (ROW)	PARKING ABUTS ACCESS DRIVE	LABEL	PROVIDED
300' LF-36LF DRIVEWAYS	1 DECIDUOUS CANOPY PER 35LF	ST	0 DECIDUOUS CANOPY TREES PROVIDED
264 LF	264 LF / 35 = 7.5 TREES REQUIRED		EXISTING UTILITIES CONFLICTS
BUILDING FOUNTATION LANDSCAPE		LABEL	PROVIDED
EXISTING BUILDING (WEST)	BUILDING PERIMETER 644LF-25-28-5=640X8 = 4,688SF	BW	4,723SF
PROPOSED BUILDING (EAST)	BUILDING PERIMETER 585LF-7-3-3=640X8 = 4,576SF	BE	4,604SF
DETENTION/RETENTION BASIN		LABEL	PROVIDED
WEST POND PERIMETER (547)	1 DECIDUOUS CANOPY PER 35LF 547 LF / 35 = 15.62 TREES REQUIRED	WP	1 DECIDUOUS CANOPY TREES PROVIDED 11 DECIDUOUS SUB CANOPY TREES PROVIDED EXISTING OVERHEAD POWERLINES
DETENTION/RETENTION BASIN		LABEL	PROVIDED
EAST POND PERIMETER (585)	1 DECIDUOUS CANOPY PER 35LF	EP	12 DECIDUOUS CANOPY TREES PROVIDED

PROVIDED
5 WOODLAND TREES PROVIDED

DECIDUOUS CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	BN	9	Betula nigra / River Birch Multi-Trunk	Gallon or B&B	1 Inch per Trunk, 3 trunks Min	8'-10' ht.
(:)	FG	6	Fagus grandifolia / American Beech	Gallon or B&B	3" Cal.	10° - 12° Ht.
(\cdot)	NS	8	Nyssa sylvatica / Black Gum	Gallon or B&B	3" Cal.	10° - 12° Ht.
$(\cdot)_{a}$	QA	4	Quercus alba / White Oak	Gallon or B&B	2.50* Cal, Single Trunk	10° - 12° Ht.
	QS	7	Quercus shumardii / Shumard Oak	Gallon or B&B	3" Cal.	10° - 12° Ht.
DECIDUOUS SUB-CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
\Box (·)	AS	6	Acer spicatum / Mountain Maple	Gallon or B&B	2"-Cal.	8'-10' ht.
% _	АН	1	Aesculus hippocastanum / European Horsechestnut	Gallon or B&B	2"-Cal.	8'-10' ht.
()	CA	4	Carpinus caroliniana / American Hombeam	Gallon or B&B	2"-Cal.	8'-10' ht.
\bigcirc	CF	8	Cornus florida / Flowering Dogwood	Gallon or B&B	2"-Cal.	8'-10' ht.
	MP	6	Malus x 'Purple Prince' / Purple Prince Crabapple	Gallon or B&B	1 Inch per truck, Min. 3 trunks	6°-8° ht.
LARGE EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
3	PD	1	Pseudotsuga menziesii / Douglas Fir	Gallon or B&B	Full to the Ground	6°-8° ht.
UPRIGHT EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	TS	12	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae	Gallon or B&B	Full to the Ground	6'-8' ht.

LAYOUT IS SCHEMATIC ONLY AND IS SUBJECT TO REVIEW & APPROVAL BY GOVERNING AGENCIES. PROPERTY LINE AND EXISTING CONDITIONS ARE FROM GIS INFORMATION AND HAS NOT SEEN CONFIRMED.



SITE INFO:

SELF STORAGE FACILITY 36,571 SF EXISTING 100,200 S.F. PROPOSED (3-STORY)

TMS: 22-35-101-016

ZONING: 1-1 USE: SELF STORAGE FACILITY

EXISTING LAND AREA: 4.32 AGRES DISTURBED AREA: 3.90± AGRES BUILDING SETBACKS REQ'D: 40' FRONT 20' SIDE 20' REAR



PROJECT:

PROPOSED SELF STORAGE 21700 Novi Road CITY OF NOVI, MI.

DRAWING:

OVERALL LANDSCAPE PLAN (TREES)





ALPHONSE BARCIA III LANDSCAPE ARCHITECT LLC.

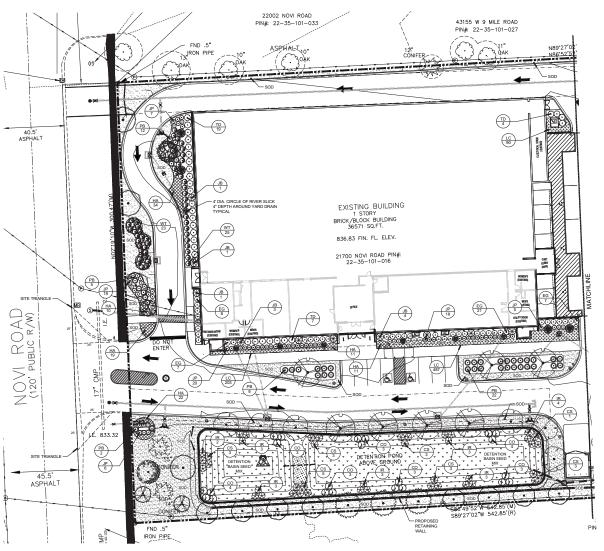
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GHK DEVELOPMENT, INC. 3920 MAGAZINE STREET NEW ORLEANS, LA. 70115 GORDEN H. KOLB JR. (504) 866-7300

DATE:	SHEET
03/31/2023	LS-1





PLANT SCHEDULE LS-2 SHRUBS

1 1 11 11 001	LDUL		01111000					
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE			
Ø	co	23	Cephalanthus occidentalis / Buttonbush	Gallon or B&B	2' Min. Ht.			
↔	CS	21	Cornus sericea sericea / Creek Red Twig Dogwood	Gallon or B&B	2' Min. Ht.			
⊙	EG	43	Euorymus fortunei 'Emerald Gaiety' / Emerald Gaiety Wintercreeper	Gallon or B&B	18"ht. 18"spd.			
⊗	IR	21	liex verticiliata 'Red Sprite' / Red Sprite Winterberry	Gallon or B&B	2' Min. Ht.			
0	JP	75	Juniperus chinensis 'Parsoni' / Parsoni Juniper	3-Gal.	12"ht. 12"spd.			
₩	JB	10	Juniperus scopulorum 'Blue Arrow' / Blue Arrow Juniper	Gallon or B&B	3' - 4' Ht.			
0	PB	51	Pennisetum alopecuroides "Little Bunny" / Little Bunny Fountain Grass	3-Gal.	Full Pots			
0	TD	30	Taxus x media 'Densiformis' / Dense Anglo-Japanese Yew	Gallon or B&B	2' Min. Ht.			
③	WT	48	Weigela florida "Verweig8" TM / My Monet Purple Effect Weigela	Gallon or B&B	18"ht. 18"spd.			
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	REMARKS	SPACING		
	на	107	Hemerocallis fulva 'Aztec Gold' / Aztec Gold Daylily	1-Gal	Full Pots	24° o.c.		
	LC	780	Liriope spicata / Creeping Lilyturf	1-Gal	Full Pots	12" o.c.		
	ROCK	101 sf	Mulch Area / Rock Mulch Locate in yard drains inside of landscape beds border rock with steel edging.	River Rock Slicks	4" Depth			
	SOD	12,663 sf	Poa pratensis / Kentucky Bluegrass	Squares or Mini Rolls	Class 'A'			
DETENTION POND	CODE	OTY	BOTANICAL / COMMON NAME	CONT	REMARKS	SPACING		
	SEED	10,021 sf	Pond Planting / Detention Basin Seed Mix Prairie Moon Nursery Catalog # DET USDA Zone 3-7	SF	295 Seeds per SF			

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SITE INFO:

TMS: 22-35-101-016

ZONING: 1-1 USE: SELF STORAGE FACILITY

EXISTING LAND AREA: 4.32 AGRES DISTURBED AREA: 3.90± AGRES

DISTURBED AREA: 3.55...
BUILDING SETBACKS REQ'D: 40' FRONT
20' SIDE
20' REAR



PROJECT:

PROPOSED SELF STORAGE 21700 Novi Road CITY OF NOVI, MI.

DRAWING:

PARTIAL LANDSCAPE PLAN (SHRUBS)





ALPHONSE BARCIA III LANDSCAPE ARCHITECT LLC.

562 CLAYTON COURT SLIDELL, LOUISIANA 70461 BARCIADESIGNS@GMAIL.COM (985) 960-0429

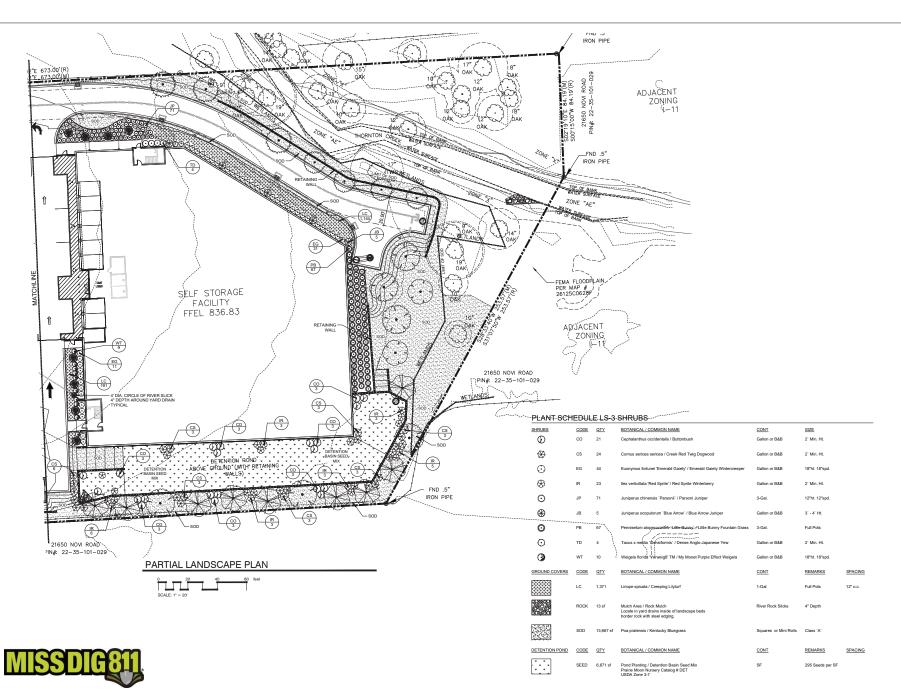


GHK DEVELOPMENT, INC. 3920 MAGAZINE STREET NEW ORLEANS, LA. 70115 GORDEN H. KOLB JR. (504) 866-7300

DATE: SHEET: 03/312023 LS-2



PARTIAL LANDSCAPE PLAN



LAYOUT IS SCHEMATIC ONLY AND IS SUBJECT TO REVIEW & APPROVAL BY GOVERNING AGENCIES. PROPERTY LINE AND EXISTING CONDITIONS ARE FROM GIS INFORMATION AND HAS NOT BEEN CONFIRMED.



SITE INFO:

TMS: 22-35-101-016

USE: SELF STORAGE FACILITY EXISTING LAND AREA: 4.32 AGRES DISTURBED AREA: 3.90± AGRES

BUILDING SETBACKS REQ'D: 40' FRONT 20' SIDE 20' REAR



PROJECT:

PROPOSED SELF STORAGE 21700 Novi Road CITY OF NOVI, MI.

DRAWING:

PARTIAL LANDSCAPE PLAN (SHRUBS)





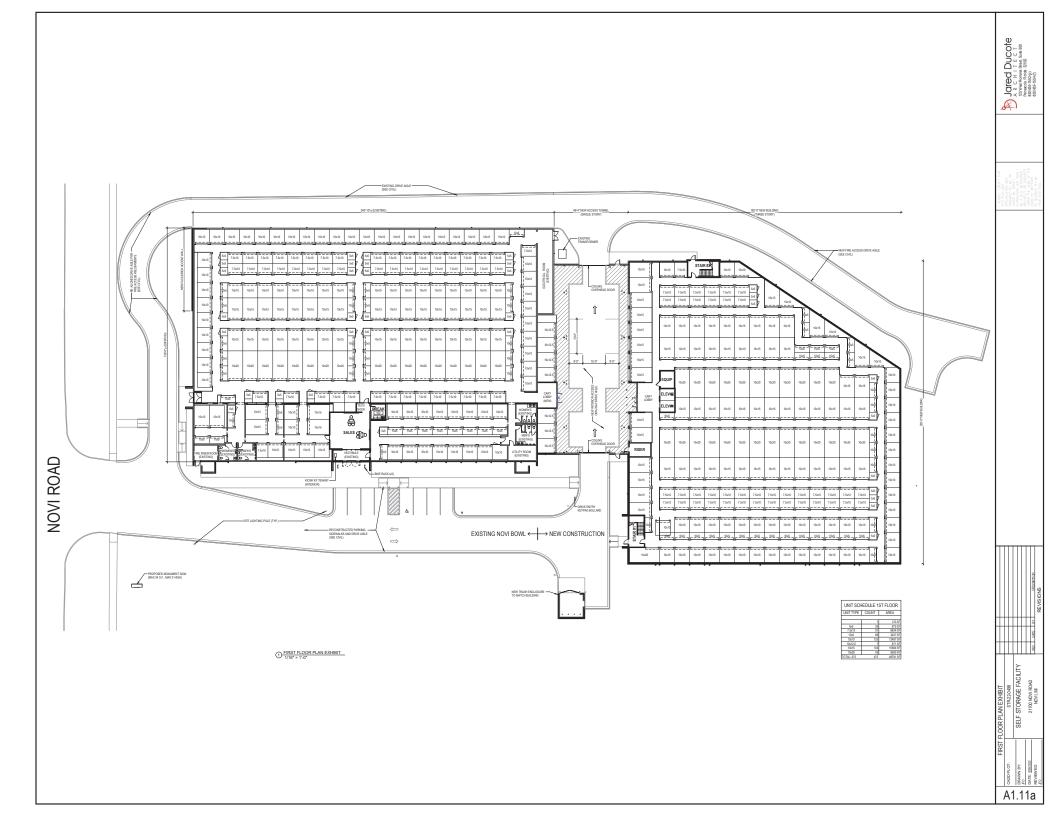
ALPHONSE BARCIA III LANDSCAPE ARCHITECT LLC.

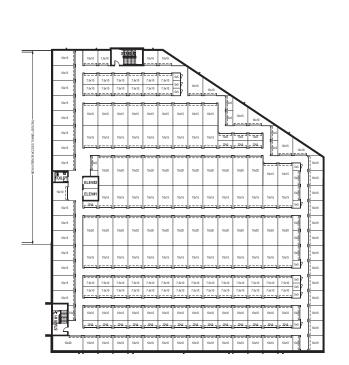
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GHK DEVELOPMENT.INC. 3920 MAGAZINE STREET NEW ORLEANS, LA. 70115 GORDEN H. KOLB JR. (504) 866-7300

DATE: SHEET: 03/31/2023 LS-3





1/16" = 1'-0"

(2) THIRD FLOOR PLAN EXHIBIT

UNIT SCHEDULE 2ND FLOOR
UNIT TYPE COUNT AREA

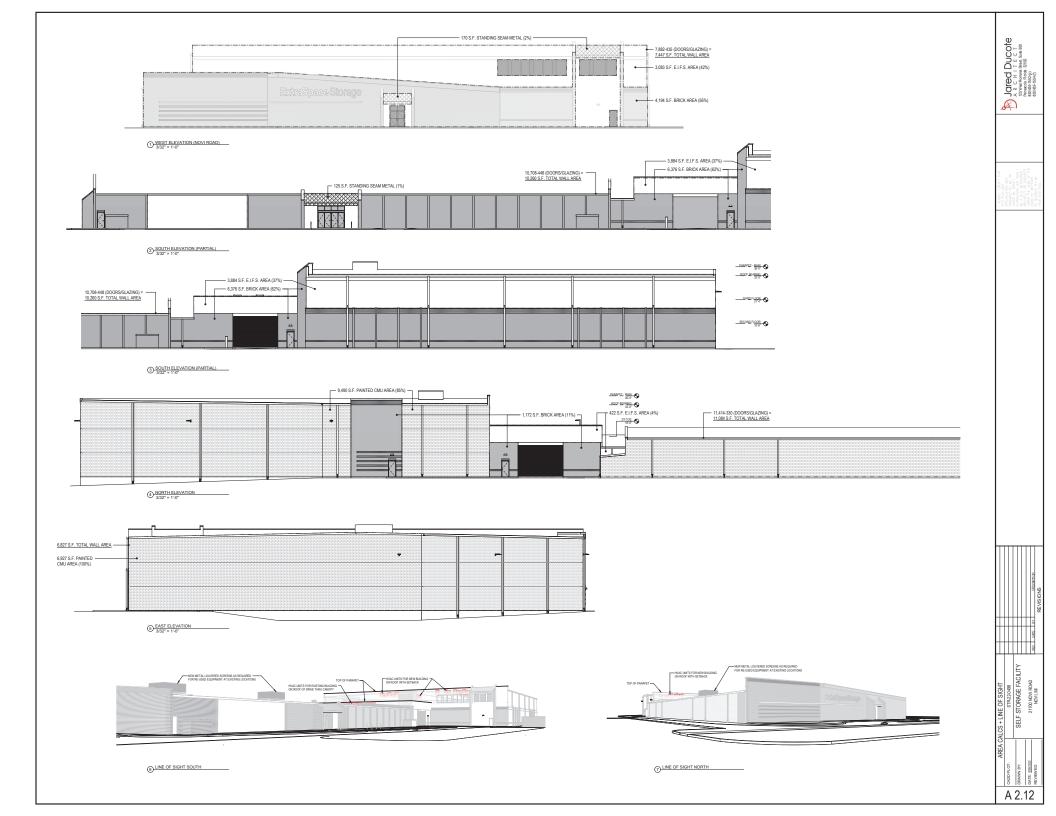
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	10x15	7.5x10	7.5x10	7.5x10	7.5x10	7.5x10	7.5x10	565 7	\								
	10x15	7.5x10 7.5x10	7.5x10 7.5x10	7.5x10 7.5x10	7.5x10	7.5x10	7.5x10	5x5 7 5x5 7	10x15	10x10	\						
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EWINTENCRACESS TANKEL (BELOW)	10x15	фıs	10:20	10×20	10×20	10:20	10:20	10:20	10:20	10:20	10:20	10:20	10:20			5x5 7	10
Ĩ	10x15	ELEV#2	10120	TURZU	10120	10120	FEREZO	10120	10120	10020	10020	10020	10120	10x15	10x15	1045	10
	10x15	ELEV#1	10x15	104	10												
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	10x15	TURZU	10120	10120	10120	10120	10120	10020	10020	10020	10020	10020	10020	10020	10020	10-5	10
	10x10	10x15	104	10													
	10x10									<u></u>						5x5 7	10
RONT WINDOW SYSTEM	10x10	7.5x10 7.5x10	5x5 7 5x5 7	10													
_	- 10-5	7.50	7.5010	7.50	7.5810	7.5810	7.5810						7.50.00		7.5810	545 7	10
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_	STAIR C	1045	10-5	1045	1045	10-5	10-5	1045	1045	10-5	1045	1045	1045	1045	10-6	5x5	10
_	10,20	10x10	10.6	10													

UNIT SCHEDULE 3RD FLOOR
UNIT TYPE COUNT AREA
56 19 2505F
7509 41 2848F
155 38 1742F

Jared Ducote
To Weilfarms Sine 60
Standard Sine 60

2nd and 3id FLOOR PLAN EXHBITS | SIR22048 |







SELF STORAGE FACILITY
21700 NOVI ROAD
NOVI, MI

A 9.01



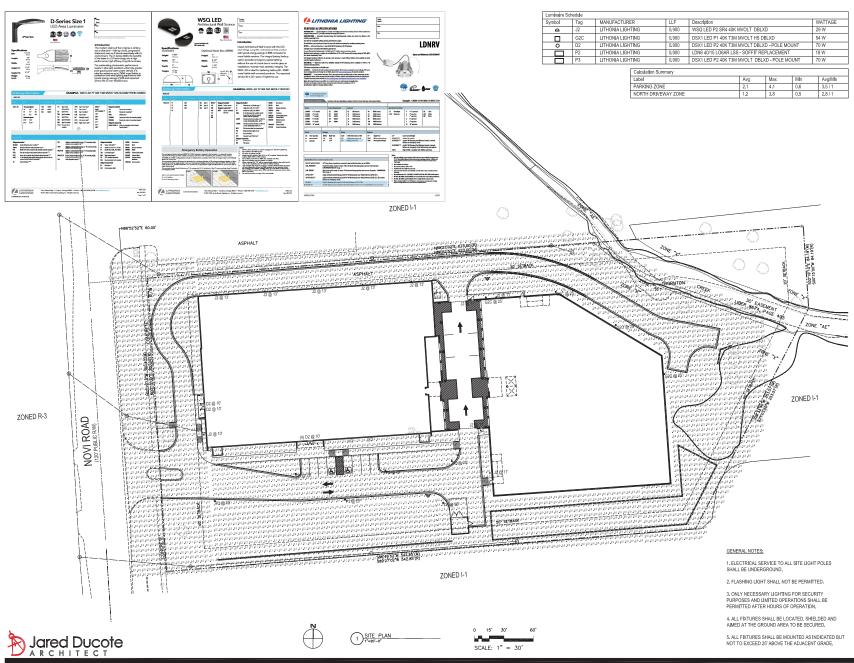




SELF STORAGE FACILITY
21700 NOVI ROAD
NOVI, MI

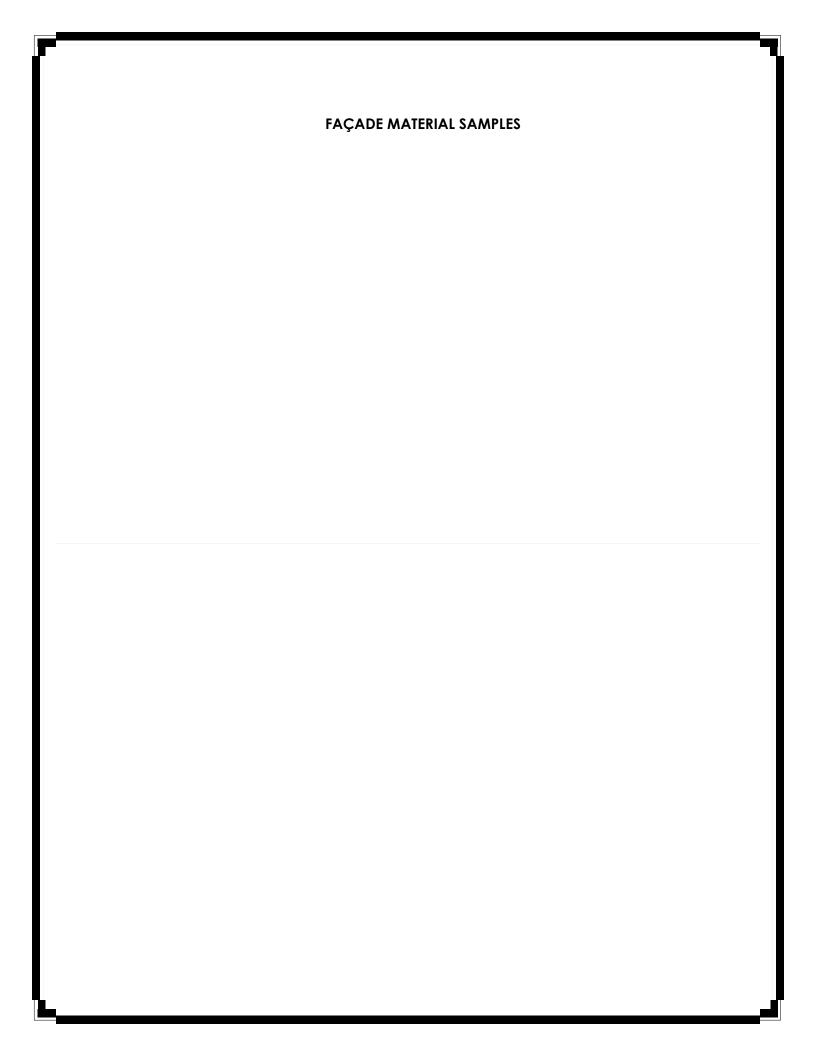


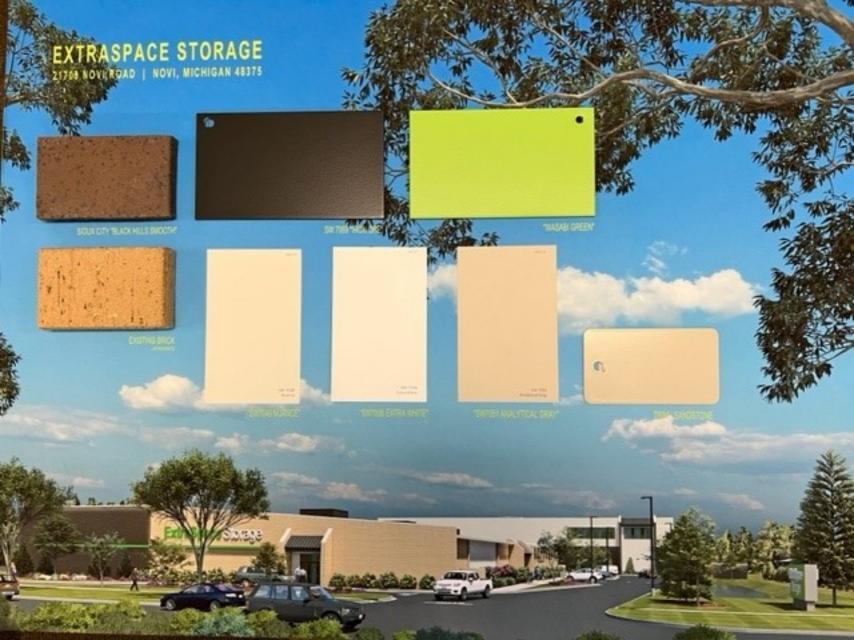


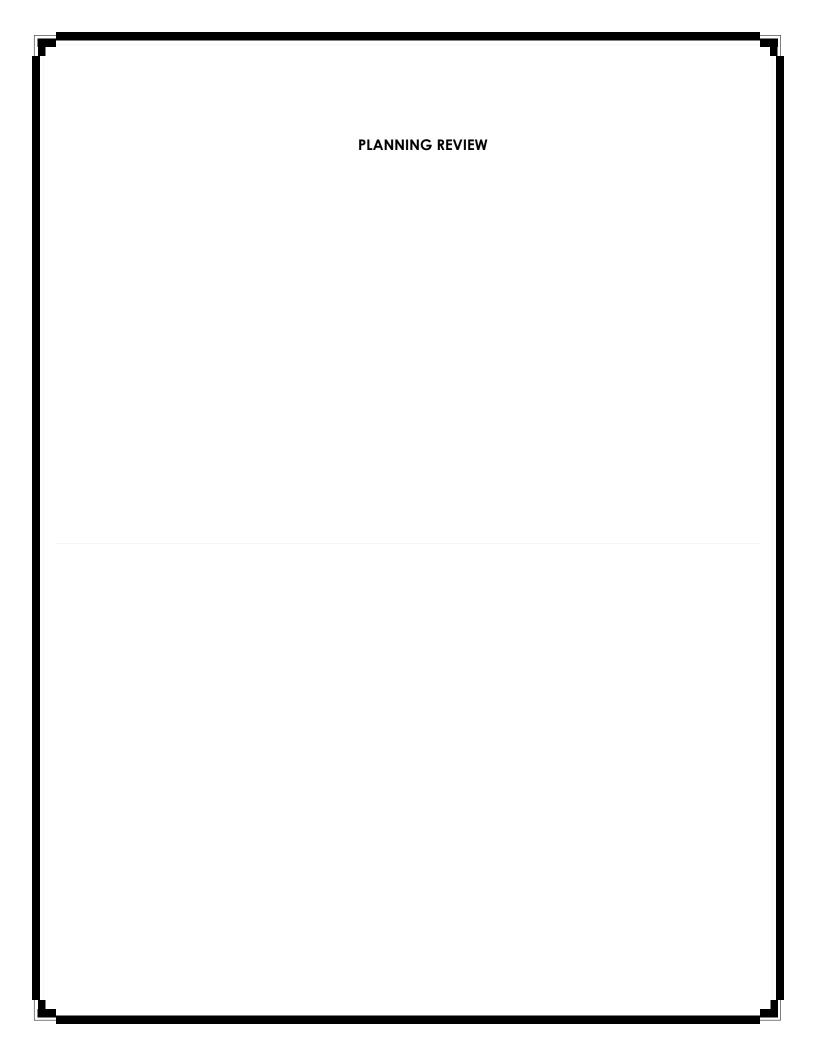


SELF STORAGE
FACILITY
21700 NOVI ROAD
NOVI, MICHIGAN

NOVI, MICHIGAN PHOTOMETRIC SITE PLAN









PLAN REVIEW CENTER REPORT

Planning Review EXTRA SPACE SELF STORAGE

JSP 22-48 May 22, 2023

PETITIONER

Novi Development Company

REVIEW TYPE

Revised Preliminary Site Plan

PROPERTY CHARACTERISTICS

Section	35							
Site Location	21700 Novi	21700 Novi Road; 50-22-35-101-016						
Site School	Northville P	ublic Schools						
Site Zoning	I-1 Light Ind	-1 Light Industrial						
	North	I-1 Light Industrial						
Adjoining Zoning	East	I-1 Light Industrial						
	West	est R-3 One-Family Residential						
	South	I-1 Light Industrial						
Current Site Use	Novi Bowl							
	North	Oakpointe Plaza						
Adjoining Uses	East	Estate Storage						
	West	One-Family Residential						
	South	Estate Storage						
Site Size	4.3 acres							
Plan Date	April 10, 202	April 10, 2023						

PROJECT SUMMARY

The applicant is proposing to renovate the former site of Novi Bowl. The proposed development includes the renovation of the existing 36,571 square foot building to accommodate indoor, climate-controlled, self-storage. The existing building height and layout will remain the same. The applicant is also proposing a 100,200 square foot addition consisting of 3 stories (40 feet tall) to the rear of the existing building. In total, 924 climate-controlled self-storage units are proposed on the site. In between the existing and proposed addition, there will be a one-way enclosed drive-lane with a roll-up overhead door and eight parking spaces to accommodate loading and unloading of storage items by customers. The anticipated hours of operation for the leasing office will be 8:00 am to 6:00 pm Monday through Saturday, and the access hours will be from 7:00 am to 10:00 pm Monday through Sunday. The site had been previously used as a bowling alley (Novi Bowl).

RECOMMENDATION

Approval of the Preliminary Site Plan is recommended by Planning staff. The plan mostly complies with the ordinance requirements. All reviewers recommend approval of the Preliminary Site Plan.

SPECIAL LAND USE CONSIDERATIONS

In the I-1 District, a self-storage facility falls under the Special Land Use requirements. In addition, new standards were recently added to the zoning ordinance to allow for this use. Section 6.2.C of the Zoning Ordinance outlines specific factors the Planning Commission shall consider in the review of the Special Land Use Permit request:

- i. Whether, relative to other feasible uses of the site, the proposed use will cause any detrimental impact on existing thoroughfares in terms of overall volumes, capacity, safety, vehicular turning patterns, intersections, view obstructions, line of sight, ingress and egress, acceleration/deceleration lanes, off-street parking, off-street loading/unloading, travel times and thoroughfare level of service. The site has been adjusted to accommodate the flow of traffic to the extent possible.
- ii. Whether, relative to other feasible uses of the site, the proposed use will cause any detrimental impact on the capabilities of public services and facilities, including water service, sanitary sewer service, storm water disposal and police and fire protection to service existing and planned uses in the area. There is no additional impact on capabilities of public services.
- iii. Whether, relative to other feasible uses of the site, the proposed use is compatible with the natural features and characteristics of the land, including existing woodlands, wetlands, watercourses and wildlife habitats. The impact to regulated woodlands and wetlands has been minimized to the extent possible.
- iv. Whether, relative to other feasible uses of the site, the proposed use is compatible with adjacent uses of land in terms of location, size, character, and impact on adjacent property or the surrounding neighborhood. The proposed use, which is adjacent to residential and commercial uses, appears to be compatible with the surrounding area as its location, size, and character do not appear to be detrimental to the surround area.
- v. Whether, relative to other feasible uses of the site, the proposed use is consistent with the goals, objectives and recommendations of the City's Master Plan for Land Use. It complies with one of the goals that recommends attracting new businesses to the City.
- vi. Whether, relative to other feasible uses of the site, the proposed use will promote the use of land in a socially and economically desirable manner. Compared to other uses permitted as a special land use in the I-1 district, a self-storage facility will not bring a considerable amount of noise or traffic to the area.
- vii. Whether, relative to other feasible uses of the site, the proposed use is (1) listed among the provision of uses requiring special land use review as set forth in the various zoning districts of this Ordinance, and (2) is in harmony with the purposes and conforms to the applicable site design regulations of the zoning district in which it is located. A self-storage facility is allowed as a Special Land Use under the I-1 Zoning District. Staff is of the opinion that the proposed use generally meets the special land use requirements and is in harmony with the design regulations of the zoning district.

ORDINANCE REQUIREMENTS

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

- 1. <u>Uses Permitted (Sec. 3.1.18.B/C):</u> A climate-controlled self-storage facility is a special land use in the I-1 Zoning District. The Planning Commission will determine the compatibility of the use with the Special Land Use request.
- 2. <u>Landscaped Greenbelt (Sec. 4.51.2.I):</u> A landscaped greenbelt on the front of the property has been provided. However, the Planning Commission may require additional screening, as necessary, to buffer from residential uses.
- 3. <u>Façade Materials (Sec. 4.51.2.N):</u> The proposed design results in a significantly higher degree of compliance to the Façade Ordinance that previously shown. A Section 9 Façade Waiver for the overage of EIFS on the west façade and the overage of CMU on the north and east facades would be required. The waiver would be supported by the City's Façade Consultant. **Please indicate if you wish to seek this waiver in the response letter and provide a façade sample board prior to the Planning Commission public hearing.**
- 4. <u>Planning Commission Findings (Sec. 3.14.3):</u> As part of the Special Land Use request, the Planning Commission shall determine if the proposed development is compatible with the Zoning Ordinance, the site, and its surrounding area in regard to scale, size, lighting, noise, and other impacts.
- 5. Parking Space Dimensions and Maneuvering Lanes (Sec. 5.3.2): The proposed perpendicular parking is 9 feet by 18 feet and the proposed parallel parking for loading and unloading is 9 feet by 23 feet. The proposed perpendicular spaces should either be 9 feet by 17 feet with 4 inch tall curb or 9 feet by 19 feet with 6 inch tall curb. Please revise these dimensions, as necessary, and indicate the dimensions of the parallel spaces on the site plan.
- 6. <u>Bicycle Parking General Requirements & Lot Layout (Sec. 5.16):</u> The proposed bicycle parking mostly complies with the ordinance requirements. Please see below for two items that should be addressed:
 - a. Please indicate a minimum of 36" height for the U-Shaped bicycle racks.
 - b. Please widen the 5 foot path that connects to the public sidewalk to 6 feet to improve bicycle access to the site.
- 7. <u>Dumpster (Sec. 4.19.2.F):</u> The proposed dumpster and dumpster enclosure is located in the interior side yard, which is not permitted. However, the proposed location minimizes impact to the existing wetlands, woodlands, and floodplain on the site. **Therefore, a variance request would be supported by staff. Please indicate if you wish to seek a variance from the Zoning Board of Appeals.**
- 8. <u>Economic Impact Information:</u> At this time, the total estimated cost of the proposed building and site improvements, as well as the number of anticipated jobs created (temporary and permanent) has not been provided. **Please provide this information prior to the Planning Commission meeting.**
- 9. <u>Woodland Permit:</u> A total of 4 regulated woodland trees and 2 non-regulated woodland trees are proposed for removal, which requires 7 woodland replacement credits. The applicant is proposing to preserve 2 non-regulated woodland trees, which brings the total woodland replacement credits required down to 3. A Woodland Permit is required to be reviewed and approved by the Planning Commission whenever more than 3 regulated woodland trees are proposed for removal. Therefore, this proposed development will require Woodland Permit approval from the Planning Commission. Please review the Woodland review letter for more information.

- 10. Wetland Permit: A minor wetland use permit may be required for the permanent impact to a portion of Wetland A. In addition, the impact to the wetland buffer area has not been quantified on the plans. Please review the Wetland review letter for more information and revise the wetland plan in a revised submittal.
- 11. <u>Signage:</u> For sign permit information please contact Maureen Underhill at 248-347-0438 or <u>munderhill@cityofnovi.org</u> in the Code Compliance Division for more information.
- 12. <u>Planning Chart:</u> Please refer to the attached Planning Chart for additional comments to address in the next submittal.

OTHER REVIEWS

- a. <u>Engineering Review</u>: Engineering is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- b. <u>Landscape Review:</u> Landscape is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- c. <u>Woodland Review:</u> Woodland is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- d. <u>Wetland Review:</u> Wetland is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- e. <u>Traffic Review:</u> Traffic is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- f. <u>Façade Review:</u> Façade is recommending approval of the Preliminary Site Plan contingent upon a Section 9 Façade Waiver being granted by the Planning Commission and a façade board being provided prior to the Planning Commission public hearing.
- g. <u>Fire Review:</u> Fire is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.

NEXT STEP: PLANNING COMMISSION AND RESPONSE LETTER

The Special Land Use, Preliminary Site Plan, Woodland Use Permit, Wetland Use Permit, and Stormwater Management Plan will require a 15-day public hearing and approval from the Planning Commission due to the Special Land Use request. At that time, please provide the following by May 31 once this stage is reached:

- 1. Site Plan submittal in PDF format. NO CHANGES MADE.
- 2. A response letter addressing ALL the comments from ALL the review letters and <u>a request for</u> waivers/variances as you see fit.
- 3. A color rendering of the Site Plan, which is to be used for Planning Commission presentation.
- 4. A façade board with sample materials of the proposed façade.

NEXT STEP: ZONING BOARD OF APPEALS

After receiving Planning Commission's approval of the Preliminary Site Plan, one variance from the Zoning Board of Appeals will be necessary prior to the approval of the Final Site Plan. Please submit this application to Anita Wagner, Account Clerk (awanger@cityofnovi.org, 248-347-0459) to go before the Zoning Board of Appeals. The deadline for Zoning Board of Appeals applications is typically the **first** of the month.

FUTURE STEP: FINAL SITE PLAN SUBMITTAL

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

1. **Seven** Final Site Plan sets (<u>24" x 36", folded</u>) addressing ALL comments from Preliminary Site Plan Review.

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

FUTURE STEP: ELECTRONIC STAMPING SET SUBMITTAL AND RESPONSE LETTER

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

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

FUTURE STEP: STAMPING SET APPROVAL

Stamping sets will be required for this project. After having received all the review letters from City staff the applicant should make the appropriate changes on the plans and submit 12 size 24" x 36" copies, folded, with signature and seal (may be electronic) to the Community Development Department for final Stamping Set approval.

FUTURE STEP: PRE-CONSTRUCTION MEETING

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

CHAPTER 26.5

Chapter 26.5 of the City of Novi Code of Ordinances generally requires all projects be completed within two years of the issuance of any starting permit. Please contact Sarah Marchioni at 248-347-0430 for additional information on starting permits. The applicant should review and be aware of the requirements of Chapter 26.5 before starting construction. If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5607 or ccarroll@cityofnovi.org.

Christian Carroll, Planner



PLANNING REVIEW CHART: I-1, Light Industrial Zoning District

Review Date: May 22, 2023

Review Type: Revised Preliminary Site Plan Review

Project Name: JSP22-48 EXTRA SPACE SELF STORAGE DEVELOPMENT

Location: 21700 Novi Road; Parcel 50-22-35-101-016

Plan Date: April 10, 2023

Prepared by: Christian Carroll, Planner

E-mail: ccarroll@cityofnovi.org Phone: (248) 735-5607

Items in **Bold** need to be addressed by the applicant with next submittal. *Italicized* items should be noted.

Item	Required Code	Proposed	Meets Code	Comments
Zoning and Use Require	ements			
Master Plan (adopted July 27, 2017)	Local Commercial	Climate-Controlled Self-Storage Facility	TBD	Planning Commission will determine the compatibility of the use with the Special Land Use Request.
Zoning (Effective January 8, 2015, as amended)	I-1: Light Industrial	I-1, no change	Yes	
Uses Permitted (Sec 3.1.18.B & C)	Permitted uses in Sec. 3.1.18.B, Special Land Uses in Sec. 3.1.18.C	Climate-Controlled Self-Storage Facility	Yes	Special Land Use in the I- 1 Zoning District.
	nd Area Limitations (Sec. 3.1.18.	D)		
Frontage on a Public Street (Sec. 5.12)	Frontage on a Public Street is required.	Frontage on Novi Road	Yes	
Access to a Major Throughfare (Sec. 5.13)	Vehicular access shall be provided only to an existing or planned major thoroughfare or freeway service drive OR access driveway on other street type is not across street from existing or planned single-family uses.	Access to Novi Road – island removed	Yes	
Minimum Zoning Lot Size for each Unit in Ac (Sec 3.6.2.D)	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	Complies	Yes	
Maximum % of Lot Area Covered (By All Buildings)	(Sec 3.6.2.D)	Complies	Yes	
Building Height (Sec. 3.1.19.D)	40 feet maximum, refer to TA18.299 standards	40 feet	Yes	
Building Setbacks (Sec	. 3.1.18.D)			
Front (West)	40 feet	50 feet	Yes	
Interior Side (North)	20 feet	23 feet	Yes	
Interior Side (South)	20 feet	50 feet	Yes	

Revised Preliminary Site Plan Review

Rear (East) 20 feet 50 feet Yes Parking Setbacks (Sec. 3.1.18.D) Refer to applicable notes in Sec. 3.6.2 Front (West) 40 feet (See 3.6.2.E) NA NA Interior Side (North) NA 10 feet NA No parking abutting Interior Side (South) 10 feet NA NA property lines. 10 feet NA NA Rear (East) Note to District Standards (Sec. 3.6.2) All exterior side yards **Exterior Side Yard** abutting a street shall be **Abutting a Street** Complies Yes provided with a setback (Sec 3.6.2.C) equal to front yard. The site is a minimum 2 acre Applicant is not 4.3 acres NA site proposing. Does not extend into the NA None shown minimum required front yard Cannot occupy more than Off-Street Parking in 50% of the area between None shown NA **Front Yard** min. front yard setback & (Sec 3.6.2.E) bldg. setback. Must be screened by brick wall or landscaped berm 2.5 None shown NA Lighting compatible with Complies Yes See Photometric review. surrounding neighborhood Off-street parking is allowed in side and rear yards if the site does not abut residential. If it does. Off-Street Parking in additional conditions apply: Side and rear do Side and Rear Yards NA not abut residential shall not occupy more than (Sec 3.6.2.F) 50% of side yard area abuttina residential parking setback no less than 100 ft from residential district I-1 and I-2 districts, five (5) feet of horizontal setback for Setback from 50 foot setback – each foot of building height, Residential District existing and or one-hundred (100) feet, Yes **Building** separated by whichever is greater. (unless (Sec 3.6.2.H) throughfare separated by a thoroughfare or RR ROW) A setback of 25ft from May encroach on 25 foot Wetland/Watercourse wetland buffer, which wetlands and from high Wetland setback Yes Setback (Sec 3.6.2.M) watermark course shall be shown would require maintained administrative approval. Additional heights for selected buildings are **Additional Height** allowed based on NA Does not apply (Sec 3.6.2.0) conditions listed in Sec 3.6.2.0 Parking setback Required parking setback area shall be landscaped screening NA Does not apply (Sec 3.6.2.P) per Sec. 5.5.3. **Modification of** The Planning Commission Does not apply NA

manulaim ar a alla ar a l	no ou con o olife de suddie en elle elle			
parking setback	may modify parking setback			
requirements (Sec	requirements based on			
3.6.2.Q)	conditions listed in Sec.			
	3.6.2.Q			
Climate-Controlled Sel	f-Storage Facilities (Sec. 4.51.2,	<u>amended TA18.299 at</u>	tached)	
	The minimum size of the site			
	devoted entirely to such use			
	shall be a minimum of two			
Minimum Site Size	(2) acres unless the site	4.3 acres	Yes	
(Sec. 4.51.2.A)	abuts a residential zoning			
	district in which case the site			
	shall be a minimum of three			
	(3) acres.	of Soction 2.1.10 Con		
	Notwithstanding the provisions			
	Section 3.1.19.B, climate-contr	_		
	may be allowed as a special I			
	residentially zoned property ur For any property separated		ilu.	
	by a major thoroughfare or	Separated by a		
	railroad right-of-way from a	major throughfare	Yes	
	residential zoning district.			
	Any building or portion of			
	building shall be setback a			
	minimum of 40 feet from the			
	property line abutting a	Building setback of		
	residential district, and shall			The building height is ~17
	have a maximum height of	_	50 feet. The	feet from 50 feet to ~280
Abutting Residential	25 feet; provided, however,	maximum building		feet setback from the
(Sec. 4.51.2.B)	that for every additional 5	height of 40 feet is	Yes	front property line. The
,	feet of building setback from	allowed at 115 foot		building height is 40 feet
	the property line greater	setback		after ~280 feet.
	than 40 feet, the maximum			
	building height may be			
	increased 1 additional foot,			
	up to 40 feet in height.			
	Leasing office hours shall be	Leasing office are		
	limited to the hours between	8am to 6pm		
	8:00 a.m. to 6:00 p.m.	Monday through		
	Monday through Saturday.	Saturday. Facility	Yes	
	Facility access hours shall be	access hours are	103	
	limited to the hours between	7am to 10pm		
	7:00 a.m. to 10:00 p.m.	Monday through		
	Monday through Sunday.	Sunday.		
	All ingress and egress from			
Ingress/Egress (Sec.	the site shall be directly onto	Camanilian	V-6	
4.51.2.C)	a major thoroughfare as	Complies	Yes	
,	designated on the City's			
	Master Plan.			
	Building setbacks shall comply with the standards			
Building Setbacks	as set forth in the I-1, Light			
(Sec. 4.51.2.D)	Industrial, or I-2, General	Complies	Yes	
[000. 7.01.2.0]	Industrial district, as			
	applicable.			
L	друшсавю.	I	<u> </u>	

Storage of Combustible Materials (Sec. 4.51.2.E)	No storage of combustible or flammable liquids, combustible fibers, or explosive materials as defined in the fire prevention code, or toxic materials, shall be permitted within the self-storage buildings or upon the premises. A lease agreement between the lessee and lessor shall state (1) that no flammable, combustible or toxic material shall be stored or used on premises, and (2) that the property shall be subject to periodic and unannounced inspections for flammable, toxic and other hazardous materials by City officials.	Note provided	Yes
Outdoor Storage (Sec. 4.51.2.F)	No storage outside of the self-storage buildings shall be permitted.	Note provided	Yes
Uses Not Permitted (Sec. 4.51.2.G)	Except as provided herein, the use of the premises shall not be used for maintaining or repairing of any vehicles and any other uses as determined by the Planning Commission.	Note provided	Yes
	Any principal permitted use in the Light Industrial (I-1) district may be permitted in a mixed-use climate-controlled self-storage facility, subject to the following conditions:	Not proposed	NA
Mixed-Use Provision	If the gross leasable area of such use(s) is less than 10% of the total gross leasable area of the overall building, and;	Not proposed	NA
(Sec. 4.51.2.H)	If such uses are not associated with the self-storage use of the site, the Planning Commission may require additional amenities with such use(s), and taking into consideration the compatibility of the proposed use with the existing uses of the site and surrounding sites, whether there is adequate parking	Not proposed	NA

		T	1	1
	for the combination of uses, and adequate pedestrian connectivity of the use to other uses on the site.			
	Limited retail sales to tenants of products and supplies incidental to the principal use, such as packing materials, packing labels, tape, rope, protective covers, and locks and chains shall be permitted within a building on the site devoted to this use.	Not proposed	NA	
Landscaped Greenbelt (Sec. 4.51.2.1)	At a minimum, a 25 foot wide landscaped greenbelt is required where the site abuts a residential zoning district or office zoning district. In addition, at least 2 of the required canopy or evergreen trees must be planted between the road right-of-way and building to soften the effects of the building on the abutting residential areas. The Planning Commission may require additional screening measures as necessary.	Provided on plans	Yes	The Planning Commission may require additional screening, as necessary.
Site Access (Sec. 4.51.2.J)	All access aisles, parking areas and walkways on the site shall be graded, drained, hard-surfaced and maintained in accordance with the standards and specifications of the City of Novi.	Complies	Yes	
Minimum Driveway Widths (Sec. 4.51.2.K)	Notwithstanding the required fire codes, the following minimum driveway widths shall apply: All oneway driveways shall be designed with one ten-footwide loading/unloading lane and one 15-foot travel lane, all two-way driveways shall be designed with one ten-foot-wide loading/unloading lane and two 12-foot travel lanes, the parking lanes may be eliminated if the driveway does not serve storage units,	One-Way: 20 feet, Two-Way: 24 feet	Yes	

Fire Suppression (Sec. 4.51.2.L)	signs and painted lines shall be used to indicate parking and traffic direction throughout the site. Fire hydrants and fire suppression devices shall be provided, installed and maintained in compliance with the fire prevention code and any other applicable	Appears to comply	Yes	Refer to Fire Review.
Maximum Building Height (Sec. 4.51.2.M)	ordinances. The maximum building height shall be consistent with the zoning district that the site is located within.	Shall comply	Yes	
Façade Materials (Sec. 4.51.2.N)	Exterior building walls visible from a public right-of-way or nonindustrial district shall be finished with brick or other high-quality masonry materials as permitted in Section 5.15.	New addition is substantially compliant, old building is not.	TBD	A Section 9 Façade Waiver for the overage of EIFS on the west façade and the overage of CMU on the north and east facades is supported by the City's Façade Consultant.
Security Provisions (Sec. 4.51.2.0)	A demonstrated means of security and management shall be provided.	Provided in response	Yes	
Site Lighting (Sec. 4.51.2.P)	Any proposed site lighting shall comply with the requirements of Section 5.7. In particular, the standards of Section 5.7.3.L shall apply when a site abutting a residential district or use.	Complies	Yes	See Photometric Review.
I-1 District Required Co	enditions (Sec. 3.14, only applica	ıble sections included)		
Other (Sec 3.14.2)	Unless otherwise provided, dealing directly with consumer at retail, is prohibited.	Limited Retail component, permitted	Yes	Refer to Self-Storage section for more information.
Planning Commission	The scale, size, building design, facade materials, landscaping and activity of the use is such that current and future adjacent residential uses will be protected from any adverse impacts.	Shall comply	TBD	Planning Commission will decide as part of the Special Land Use Request.
Findings (Sec 3.14.3)	The intended truck delivery service can be effectively handled without long term truck parking on site.	Shall comply	TBD	Planning Commission will decide as part of the Special Land Use Request.
	The lighting, noise, vibration, odor and other possible impacts are in compliance with standards and intent of	Shall comply	TBD	Planning Commission will decide as part of the Special Land Use Request.

JSP22-48 EXTRA SPACE SELF STORAGE DEVELOPMENT Revised Preliminary Site Plan Review

	Hate and the Co			
	this article and performance standards of Section 5.14.			
	The storage and/or use of any volatile, flammable or other materials shall be fully identified in application and shall comply with any city ordinances regarding toxic or hazardous materials.	Haz chem survey submitted	Yes	
	There is compliance with the City's hazardous materials checklist for required submittal data.	Haz chem survey submitted	Yes	
Adjacent to Residential (Sec. 3.14.5)	-No truck well, loading dock or door, shall be permitted on or in the wall of the building which faces the abutting residential district and only pedestrian exits or emergency doors shall be allowed on such wall. -All loading/unloading docks and truck wells shall be placed on or in the wall of the building that is opposite the boundary of the residential district or on the wall that lies approximately at a ninety (90) degree angle to the residential district boundaryIf such dock, truck well and/or dock faces the front street, then such dock, truck well or door shall be recessed by not less than sixty (60) feet from the front wall of the building in order to provide that a semitrailer truck tractor and cab shall not, when in place for loading or unloading at the dock or well, project past the front wall of the buildingDriveways shall be designed in such a manner to discourage semi-trailer truck traffic access to that portion of the lot or site that is adjacent to a residential district.	No truck well or loading dock is proposed. Semi-Truck access appears to be limited in nature.	Yes	
	-No outside storage of any materials, equipment, trash or waste shall be permitted,	Complies	Yes	

except dumpsters may be permitted outdoors where properly screened pursuant to the requirements of this Ordinance, as amended, or revised. Refuse pick-up shall be limited to the hours of 7:00 a.m. to 5:00 p.m., prevailing time. -All off-street parking and areas used for vehicular repair, delivery, loading/unloading and transport shall be not closer than one-hundred (100) feet from the boundary of a residential district and effectively screened from view from said residential district by landscaping, walls or berms pursuant to the requirements of Section 3.14.5.E. Notwithstanding the restriction of Section 3.6.2.E-F, the Planning Commission may permit front yard and side yard parking where necessary to maintain the separation required by this			
subsection. The maximum heights of any building constructed on a lot or site adjacent to a residential district shall be twenty-five (25) feet, except where there is a street, road, highway or freeway between said lot or site and the abutting residential district.	Separated by street	Yes	
Exterior site lighting as regulated by Section 5.7. In addition, where a building wall faces an abutting residential district there shall be no floodlighting of such facade. This shall not preclude the lighting of doorways on such facades.	Complies	Yes	See photometric review.
An earth berm and plantings are required, except that no additional berm shall be required along a street, road, highway or freeway	Complies	Yes	

Revised Preliminary Site Plan Review

that lies between said use and an abutting residential district. Windows and doors of nonoffice use areas of structures in an I-1 district Complies Yes may not be left open. **Parking and Loading Requirements Number of Parking** Self-Storage: 1 space per Spaces 100 storage units, 5 space 16 spaces Yes minimum | 924 units – 10 proposed (Sec. 5.2.12.E) spaces required - 90° Parking: 9 ft. x 19 ft. - 24 ft. two way drives 9' x 18' Perpendicular spaces are **Parking Space** - 9 ft. x 17 ft. parking spaces perpendicular and compliant, but are **Dimensions and** allowed along 7 ft. wide 9' x 23' parallel Yes preferred to either be 9' x **Maneuvering Lanes** interior sidewalks as long as loading/unloading 17' with 4" curb or 9' x 19' detail indicates a 4" curb at (Sec. 5.3.2) spaces with 6" curb. these locations and along landscaping End Islands with landscaping and raised curbs are required at the end of all parking bays that abut None shown traffic circulation aisles. **End Islands** (landscaped areas The end islands shall Yes are adjacent with (Sec. 5.3.12) generally be at least 8 ft. curbing) wide, have an outside radius of 15 ft., and be constructed 3 ft. shorter than the adjacent parking stall Shall not be located closer Parking stall located than twenty-five (25) feet adjacent to a from the street right-of-way parking lot entrance Complies Yes (ROW) line, street easement (public or private) or sidewalk, whichever is (Sec. 5.3.13) closer Based on the requirement of **Barrier Free Spaces** 16 spaces, 1 van-accessible 2 van accessible Yes (Barrier Free Code) space is required 8' wide with an 8' wide access aisle for van May be reduced to 8' **Barrier Free Space** accessible spaces 9' wide with 8' with an 8' aisle for van **Dimensions** Yes accessible or 5' for non--8' wide with a 5' wide access aisle (Barrier Free Code) access aisle for regular van accessible. accessible spaces Shown – detail **Barrier Free Signs** One sign for each Yes (Barrier Free Code) accessible parking space. provided Minimum number of Industrial: Five (5) percent of Four spaces required automobile spaces, **Bicycle Parking** Yes provided (Sec. 5.16.1) minimum two (2) spaces **Bicycle Parking** No farther than 120 ft. from Complies Yes **General requirements** the entrance being served

(Sec. 5.16)	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, 36" tall Shall be accessible via 6 ft. paved sidewalk	Complies Height not indicated 7 foot sidewalk adjacent to spaces, leaving 5 feet	Yes No	Please provide the height, 36" minimum. 5 foot path to public sidewalk should be widened to 6 feet to improve bicycle access.
Bicycle Parking Lot layout (Sec 5.16.6)	Parking space width: 6 ft. One tier width: 10 ft. Two tier width: 16 ft. Maneuvering lane width: 4 ft. Parking space depth: 2 ft. single, 2 ½ ft. double	Complies	Yes	
Loading Spaces (Sec. 5.4.3)	All loading and unloading operations shall be conducted in the rear yard, except in those instances where: - The Industrial district abuts a residential district, in which case, the conditions of Section 3.14.5 shall apply, or, - An interior side yard is located adjacent to I district, EXPO district, or EXO Overlay district property, loading and unloading may be conducted in that interior side yard when located near the rear of the building. When loading and unloading is to be conducted within an interior side yard, the City may require aesthetic screening of the facility in accordance with the guidelines set forth	No loading and unloading outdoors shown	Yes	
Dumpster, Accessory S	in Section 5.5. tructures, and Rooftop Equipme	nt (Sec. 4.19)		
Dumpster (Sec 4.19.2.F)	-Located in rear yard -Attached to the building or no closer than 10 ft. from building if not attached -Not located in parking setback -If no setback, then it cannot be any closer than 10 ft, from property line.	In the side yard, 15 foot setback	No	Zoning Board of Appeals Variance would be needed for the current dumpster location. The variance would be supported by staff as the proposed location has minimal impact on site woodlands and wetlands.

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	-Away from Barrier free			
Dumpster Enclosure (Sec. 21-145. (c) Chapter 21 of City Code of Ordinances)	Spaces -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	Complies	Yes	
Roof top equipment and wall mounted utility equipment (Sec. 4.19.2.E.ii)	shrubbery 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	Rooftop equipment is screened	Yes	
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.	Rooftop equipment is screened	Yes	
Sidewalks	гогаајасетт ргорену.			
Non-Motorized Plan	5 foot wide sidewalk required on Novi Road.	5 foot sidewalk existing	Yes	
Public Sidewalks (Chapter 11, Sec.11- 256(b))	Connection from property to main sidewalk system is required.	Complies	Yes	
	main sidewalk system is required.	Complies	Yes	
(Chapter 11, Sec.11- 256(b))	main sidewalk system is required.	11 woodland replacement	Yes	See Woodland Review.
(Chapter 11, Sec.11- 256(b)) Building Code and Oth Woodlands	main sidewalk system is required. er Requirements Replacement of removed	11 woodland		See Woodland Review. See Wetland Review.
(Chapter 11, Sec.11-256(b)) Building Code and Oth Woodlands (City Code Ch. 37) Wetlands (City Code Ch. 12,	main sidewalk system is required. er Requirements Replacement of removed trees Mitigation of removed wetlands at ratio of 1.5:1 emergent wetland, 2:1 for forested wetlands over .25	11 woodland replacement credits Plan provided – no mitigation	Yes	

Revised Preliminary Site Plan Review

	footage of pavement area			
	(indicate public or private).			
Economic Impact Information	- Total cost of the proposed building & site improvements - Number of anticipated jobs created (during construction & after building is occupied, if known)	Not provided	TBD	Provide prior to Planning Commission.
Building Exits	Building exits must be connected to sidewalk system or parking lot.	Connected	Yes	
Development/ Business Sign (City Code Sec 28.3)	The leading edge of the sign structure shall be a minimum of 10 ft. behind the right-ofway. Entranceway shall be a maximum of 24 square feet, measured by completely enclosing all lettering within a geometric shape. Maximum height of the sign shall be 5 ft.	Not shown – to be reviewed by Code Compliance Division when ready.	NA	Contact Maureen Underhill at 248.735.5602 or munderhill@cityofnovi.org for more information.
Project & Street Naming Committee	Some projects may need approval from the Street & Project Naming Committee	Submitted	TBD	Contact Ben Peacock at 248.347.0475 or via email bpeacock@cityofnovi.org
Lighting and Photomet			•	
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.i)	Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas & exterior lighting fixtures	Provided	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.	Complies	Yes	
	Specifications for all proposed & existing lighting fixtures	Provided	Yes	
Lighting Plan	Photometric data	Provided	Yes	
(Sec.5.7.A.2.ii)	Fixture height	25 feet	Yes	
,	Mounting & design	Provided	Yes	
	Glare control devices (Also see Sec. 5.7.3.D)	Provided	Yes	
	Type & color rendition of lamps	Provided	Yes	

	Hours of operation	Hours provided	Yes
	Photometric plan illustrating	Houis provided	163
	all light sources that impact the subject site, including spill-over information from neighboring properties	Provided where possible	Yes
Maximum Height (Sec. 5.7.3.A)	Height not to exceed maximum height of zoning district (or 25 ft. where adjacent to residential districts or uses).	25 feet maximum	Yes
Standard Notes (Sec. 5.7.3.B)	-Electrical service to light fixtures shall be placed underground -Flashing light shall not be permitted -Only necessary lighting for security purposes & limited operations shall be permitted after a site's hours of operation	Provided on plans	Yes
Security Lighting (Sec. 5.7.3.H)	-All fixtures shall be located, shielded and aimed at the areas to be securedFixtures mounted on the building and designed to illuminate the facade are preferred -Lighting for security purposes shall be directed only onto the area to be secured.	Complies	Yes
Average Foot Candles (Sec.5.7.3.E)	Average light level of the surface being lit to the lowest light of the surface being lit shall not exceed 4:1	3.5:1 fc	Yes
True Color (Sec. 5.7.3.F)	Use of true color rendering lamps such as metal halide is preferred over high & low pressure sodium lamps	Complies	Yes
	Parking areas: 0.2 min	0.6 fc	Yes
Min. Illumination	Loading & unloading areas: 0.4 min	NA	NA
(Sec. 5.7.3.k)	Walkways: 0.2 min	0.2 fc	Yes
,	Building entrances, frequent use: 1.0 min	2 fc	Yes
	Building entrances, infrequent use: 0.2 min	0.2 fc	Yes
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	Complies	Yes
Cut off Angles (Sec.	When adjacent to	Complies – note	Yes

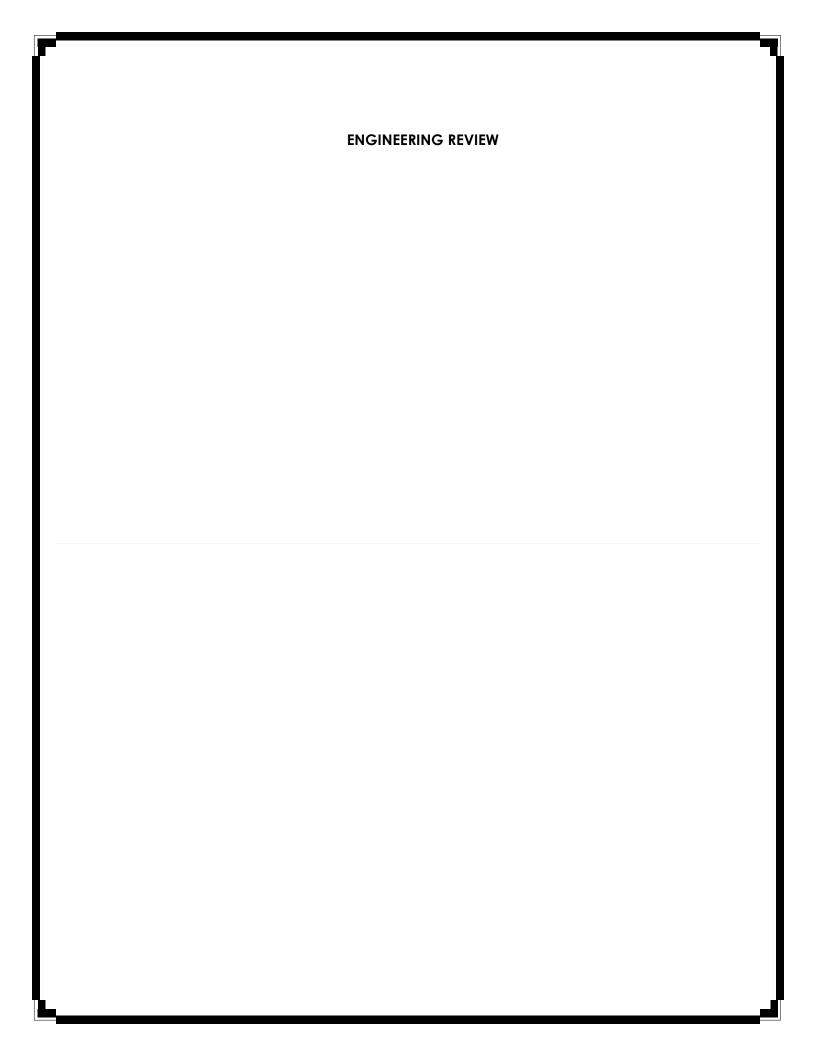
Revised Preliminary Site Plan Review

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5.7.3.L)	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	provided	
	•		

NOTES:

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





PLAN REVIEW CENTER REPORT

05/16/2023

Engineering Review

Extra Space Self Storage JSP22-0048

Applicant

Novi Development Company

Review Type

Revised Preliminary Site Plan

Property Characteristics

Site Location: 21700 Novi Road, Novi, MI. (S. of 9 Mile Rd. & E. of Novi Rd.)

Site Size: 4.30 acresPlan Date: 5/12/2023

Design Engineer: Bluewater Civil Design PLLC

<u>Project Summary</u>

- Construction of an approximately 100,200 square-foot commercial storage building and associated parking. Site access would be provided via the existing driveway for the site roadways.
- Water service would be provided by an 8-inch extension from the existing 12-inch water main along the East side of Novi Road. There are no proposed changes to the existing 8-inch fire lead to the existing building. The proposed 8-inch water main will serve 2 additional hydrants.
- There are no proposed changes to the Sanitary sewer service.
- Storm water would be collected by a single storm sewer collection system and discharged to an on-site detention basin before being released to Thornton Creek.

Recommendation

Approval of the Revised Preliminary Site Plan and the Preliminary Storm Water Management Plan is recommended, with items to be addressed at the final site plan submittal.

Comments:

The Revised Preliminary Site Plan meets the general requirements of Chapter 11 of the Code of Ordinances, the Storm Water Management Ordinance, and the Engineering Design Manual with the following exceptions, which can be addressed at the final site plan submittal:

<u>General</u>

- 1. Provide a minimum of two ties to established section or quarter section corners.
- Provide at least two reference benchmarks at intervals no greater than 1,200 feet. At least one referenced benchmark must be a City-established benchmark, which can be found on the City's website at this location: https://novi.maps.arcgis.com/apps/webappviewer/index.html?id=5ce841f86197461c9f146e1330330bcf
- 3. A sheet index shall be provided on the cover sheet. The current sheet index does not include all sheets in the plan set.
- 4. Only at the time of the printed Stamping Set submittal, provide the City's standard detail sheets for water main (5 sheets), sanitary sewer (3 sheets), storm sewer (2 sheets), paving (2 sheets) and Boardwalks/Pathways (1 sheet). The most updated details can be found on the City's website at this location: https://cityofnovi.org/services/public-works/engineering-division/engineering-standards-and-construction-details
- 5. A right-of-way permit will be required from the City of Novi and Oakland County.
- 6. Show and label the master planned 60-foot half width right-of-way for Novi Road. Label the additional right-of-way width to be dedicated along Novi Road as "proposed" right-of-way.
- 7. The compacted sand backfill (MDOT sand Class II) should be placed above all utilities within the influence of paved areas and illustrate on the profiles.
- 8. Provide a utility crossing table indicating that at least 18-inch vertical clearance will be provided, or that additional bedding measures will be utilized at points of conflict where adequate clearance cannot be maintained. Label all utility crossings in the plan view.
- 9. All light poles in a utility easement will require a License Agreement.

Water Main

- 10. The proposed water main easement shall include all proposed hydrants. Revise the proposed easement accordingly.
- 11. The water main shall be placed so that no utility is placed within 10-feet of the water main (outside of pipe to outside of pipe).
- 12. Label the pipe lengths of the proposed water main in plan view.
- 13. The proposed water main shall be a minimum of 6-feet buried depth.
- 14. Show and label the proposed compacted sand backfill above the proposed water main under the influence of the pavement.
- 15. The proposed water main shall terminate at a hydrant, remove proposed blowoff valves.
- 16. Provide water main modeling calculations demonstrating that the required water supply of 4,000 GPM will be available.
- 17. Per current EGLE requirement, provide a profile for all proposed water main 8-inch and larger.

Extra Space Self Storage JSP22-0048

- 18. The shut-off valves for the hydrant assemblies are not to be in wells. Refer to the City's standards and details for further information.
- 19. In the water main profiles add the following note: "Per the Ten States Standards Article 8.8.3, one full 20-foot pipe length of water main shall be used whenever storm sewer or sanitary sewer is crossed, and the pipe shall be centered on the crossing, in order to ensure 10-foot separation between water main and sewers." Additionally, show the 20-foot pipe lengths on the profile.

Sanitary Sewer

20. The proposed and/or existing sanitary sewer was not reviewed as part of this submittal.

Storm Sewer

- 21. **As discussed**, A minimum cover depth of 3 feet shall be maintained over all proposed storm sewer. Currently, a few pipe sections do not meet this standard. Grades shall be elevated, and minimum pipe slopes shall be used to maximize the cover depth. In situations where the minimum cover <u>cannot</u> be achieved, Class V pipe must be used with an absolute minimum cover depth of 2 feet. An explanation shall be provided where the cover depth cannot be provided.
- 22. Provide a four-foot-deep sump and an oil/gas separator in the last storm structure prior to discharge to the storm water basin.
- 23. Label the 10-year HGL elevation on the storm sewer profiles and ensure the HGL remains at least 1-foot below the rim of each structure.
- 24. Provide the casting type in the structure table. Round castings shall be provided on all catch basins except curb inlet structures.
- 25. Show and label the proposed compacted sand backfill above the proposed storm sewer under the influence of the pavement.
- 26. The minimum slope for 18-inch pipe shall be 0.18%. Currently the pipe between A1.1 and A1 does not meet this standard.
- 27. Two profiles are cut-off on sheet C203.

Storm Water Management Plan

- 28. Provide the calculations on the plans for the Storm Water Management Plan as a part of the plan set including:
 - a. Detention and forebay sizing calculations (per City standards).
 - b. Release rate calculations for the three design storm events (first flush, bank full, 100-year).
- 29. The outlet standpipes shall be designed with a secondary outer pipe with numerous holes. The stone filter would rest against this outer pipe and would help protect the outlet standpipe from clogging.
- 30. Provide a soil boring in the vicinity of the storm water basin to determine soil conditions and to establish the high-water elevation of the groundwater table. Note the bottom of the detention facility must be a minimum of three (3) feet above the groundwater elevation.

Paving & Grading

- 31. Show the sidewalk being removed/replaced to complete the water main construction.
- 32. Provide the City detail for the emergency access gate. Provide a note on the plan stating that the emergency access gate is to be installed and closed prior to the issuance of the building permit.
- 33. Provide the MDOT sidewalk ramp details in the plan set. Remove any detail that does not reflect these details.
- 34. Detectable warning plates are required at all barrier free ramps, hazardous vehicular crossings and other areas where the sidewalk is flush with the adjacent drive or parking pavement. The barrier-free ramps shall comply with current MDOT specifications for ADA Sidewalk Ramps. Provide the latest version of the MDOT standard detail for detectable surfaces.
- 35. Label specific ramp locations on the plans where the detectable warning surface is to be installed.
- 36. Specify the product proposed and provide a detail for the detectable warning surface for barrier free ramps. The product shall be the concrete-embedded detectable warning plates, or equal, and shall be approved by the Engineering Division. Stamped concrete will not be acceptable.
- 37. Verify the slopes along the ingress/egress routing to the building from the barrier-free stalls. All barrier-free stalls shall comply with Michigan Barrier-Free regulations.
- 38. Site grading shall be limited to 1V:4H (25-percent), excluding landscaping berms.
- 39. Provide a line designation representing the effective 19-foot stall length for 18-foot perimeter stalls.
- 40. Curbing and walks adjacent to the end of 18-foot stalls shall be reduced to 4-inches high (rather than the standard 6-inch height to be provided adjacent to 19-foot stalls). Provide additional details as necessary.
- 41. The proposed retaining wall design shall be signed and sealed by the design engineer responsible for the design and all associated calculations.

Soil Erosion and Sediment Control

42. The SESC package has been received and will be reviewed separately from this review.

Agreements

43. A license Agreement will be required for the light poles proposed within the water main easement. The agreement shall state that the wall and all site facilities within the influence of the wall that may be removed or damaged in the event the utility requires maintenance will be the responsibility of the property owner to repair or replace. Additionally, a cross-section shall be included with the agreement showing the distance between the wall foundation and the utility. A template agreement is available from the Engineering Division.

The following must be submitted with the Final Site Plan:

- 44. A letter from either the applicant or the applicant's engineer must be submitted with the Stamping Set highlighting the changes made to the plans addressing each of the comments listed above and indicating the revised sheets involved.

 Additionally, a statement must be provided stating that all changes to the plan have been discussed in the applicant's response letter.
- 45. An itemized construction cost estimate must be submitted to the Community Development Department for the determination of plan review and construction inspection fees. This estimate should only include the civil site work and not any costs associated with construction of the building or any demolition work. The estimate must be itemized for each utility (water, sanitary, storm sewer), on-site paving (square yardage), right-of-way paving (including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pretreatment structure and restoration).

The following must be submitted with the Stamping Set:

(Please note that all documents must be submitted together as a package with the Stamping Set submittal with a legal review transmittal form that can be found on the City's website. Partial submittals will <u>not</u> be accepted.)

- 46. A draft copy of the Storm Drainage Facility Maintenance Easement Agreement (SDFMEA), as outlined in the Storm Water Management Ordinance, must be submitted to the Community Development Department. Once the agreement is approved by the City's Legal Counsel, this agreement will then be sent to City Council for approval/acceptance. The SDFMEA will then be recorded at the office of the Oakland County Register of Deeds. This document is available on our website.
- 47. A draft copy of the 20-foot-wide easement for the water main to be constructed onsite must be submitted to the Community Development Department. This document is available on our website.
- 48. A draft copy of the warranty deed for the additional proposed 60-foot wide right-of-way along Novi Road must be submitted for review and acceptance by the City.

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 with any questions.

Adam Yako

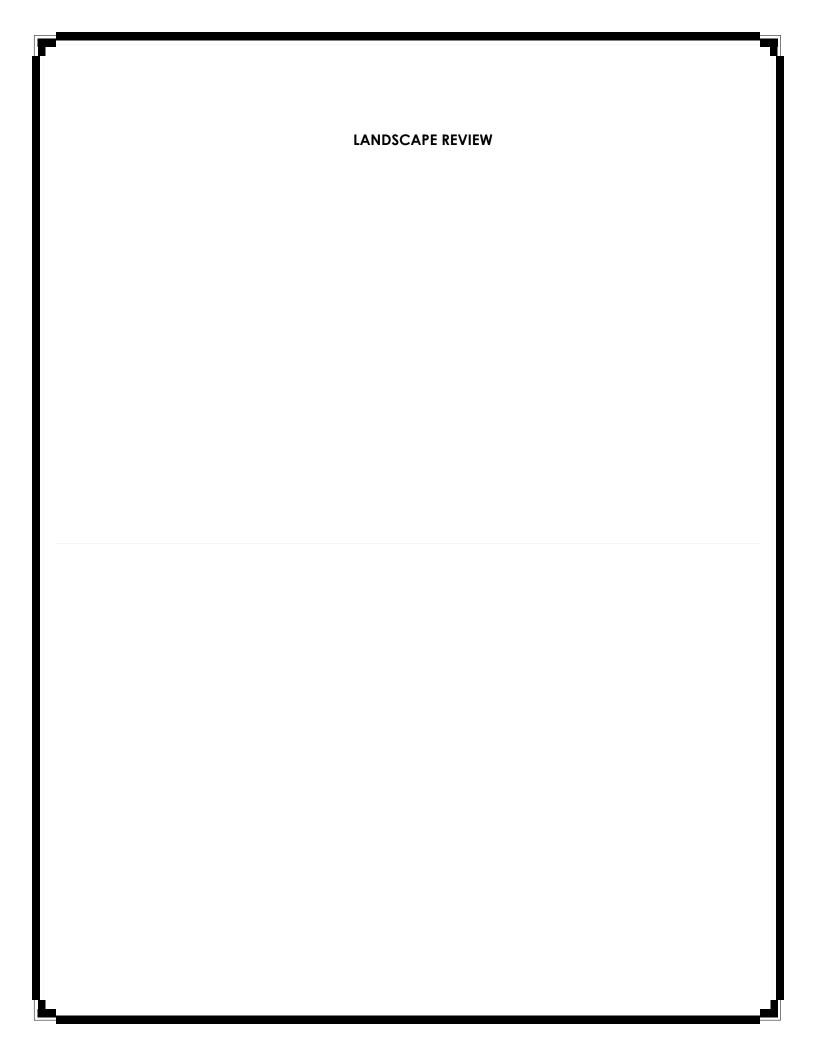
Project Engineer

Engineering Review of Revised Preliminary Site Plan Extra Space Self Storage

Extra Space Self Storage JSP22-0048 05/16/2023 Page 6 of 6

cc: Christian Carroll, Community Development

Humna Anjum, Engineering Ben Croy, City Engineer





Review Type

PLAN REVIEW CENTER REPORT April 17, 2023 Extra Space Self Storage Revised Preliminary Site Plan - Landscaping

Job#

Revised Preliminary Site Plan Landscape Review JSP22-004

Property Characteristics

• Site Location: 21700 Novi Road

Site Acreage: 4.30 ac.Site Zoning: I-1

Adjacent Zoning: North, East, South: I-1, West: R-3

• Plan Date: 3/31/2023

Ordinance Considerations

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in **bold** below must be addressed and incorporated as part of the revised Preliminary Site Plan submittal and <u>underlined</u> 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.

Recommendations:

This project is recommended for approval for Preliminary Site Plan, contingent on the shortages that require landscape waivers being corrected. If they are not, then the project is not recommended for approval.

LANDSCAPE WAIVERS REQUIRED FOR PROPOSED LAYOUT:

- Lack of shrubs around the west pond and deficiency in shrub coverage on the east pond not supported by staff
- Lack of accessway perimeter trees along the north edge property line north of the buildings (10 trees) – supported by staff
- Deficiency in accessway perimeter trees provided elsewhere on the site not supported by staff.

Please add the City Project Number (JSP22-48) to the Cover Sheet's bottom right corner.

Ordinance Considerations

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

- 1. Provided
- 2. Please correct the table as described on the landscape chart.
- 3. Please show the proposed conservation easement boundary on the landscape plan.

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

- 1. The project is not adjacent to residentially-zoned property a screening berm is not required.
- 2. The special landscaping requirement for Self-storage facilities facing residential property across Novi Road has been met.

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

- 1. The required greenbelt width is not provided between the building and the right-of-way, but as this is an existing condition that is not being increased, it is accepted.
- 2. All required greenbelt landscaping is provided.
- 3. The proposed street trees may not be able to be planted due to existing utilities. If they aren't, a landscape waiver is not required. Please show the existing underground utility lines on the landscape plan to confirm that the trees can't be planted.

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

- 1. All required parking lot landscaping is provided.
- 2. The site's accessway perimeter plantings are deficient, which requires a landscape waiver. Staff would support a landscape waiver for the missing trees along the north side of the drive north of the buildings as there isn't room for them, but not for the rest of the site.
- 3. Please request a waiver for the trees along the north side of the north drive and add (or reclassify) all remaining perimeter trees to the plan as described on the landscape chart.

Building foundation Landscaping (Zoning Sec 5.5.3.D)

All required foundation landscaping is provided.

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

- 1. No shrubs are provided around the west pond.
- 2. The coverage of the east pond is not sufficient larger masses providing a total of at least 70% coverage of the ponds (except along the building in the east pond) is required.
- 3. These deficiencies require a landscape waiver. It would not be supported by staff.

Plant List (LDM 4, 10)

- 1. Only 11 of 23 (47%) species used are native to Michigan. Please replace some non-native species with native species to at least meet the 50% minimum required.
- 2. The tree diversity requirement of LDM section 4 is met.

Planting Notations and Details (LDM 10)

Provided

Irrigation (LDM 10)

- 1. <u>If an irrigation system will be used, a plan for that system must be provided in the Final Site Plans.</u>
- 2. If other means (xeriscaping, hoses, etc.) will be used, information regarding that must be provided on the 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 rmeader rmeader@cityofnovi.org.



LANDSCAPE REVIEW SUMMARY CHART - Revised Preliminary Site Plan

Review Date: April 17, 2023

Project Name: JSP22 – 0048: Extra Space Self Storage

Plan Date: March 31, 2023

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 on the Final Site Plans.

LANDSCAPE WAIVERS REQUIRED FOR PROPOSED LAYOUT:

- No shrubs around the west pond and deficiency of shrubs around the east pond not supported by staff
- No accessway perimeter trees along the north property edge north of the building (10 trees) supported by staff
- Deficiency in accessway perimeter trees provided elsewhere on the site not supported by staff.

Please add the City Project Number (JSP22-48) to the Cover Sheet's bottom right corner.

Item	Required	Proposed	Meets Code	Comments				
Landscape Plan Requir	Landscape Plan Requirements (Landscape Design Manual (LDM) and Zoning Ordinance (Zoning Sec)							
Landscape Plan (Zoning Sec 5.5.2, LDM 2, 10)	 New commercial or residential developments Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less. 1"=20' minimum with proper North. Variations from this scale can be approved by LA Consistent with plans throughout set 	 Overall scale: 1"=30" Detail scale: 1"=20" 	Yes					
Project Information (LDM 10)	Name and Address	Yes	Yes					
Owner/Developer Contact Information (LDM 10)	Name, address and telephone number of the owner and developer or association	Yes	Yes					
Landscape Architect contact information (LDM 10)	Name, Address and telephone number of RLA/PLA/LLA who created the plan	Alphonse Barcia III	Yes					
Sealed by LA. (LDM 10)	Requires original signature	Copied seal and signature		Live signature of the LA will be required on the				

Item	Required	Proposed	Meets Code	Comments
				printed stamping sets.
Miss Dig Note (800) 482-7171 (LDM 10)	Show on all plan sheets	Yes	Yes	
Zoning (LDM 10)	Include all adjacent zoning	 Sheet LS-1 Parcel: I-1 North, South: I-1, East: R-4 (across RR tracks), West: R-3 (across Novi Rd) 	Yes	
Survey information (LDM 10)	 <u>Legal description or</u> <u>boundary line survey</u> <u>Existing topography</u> 	 Legal description on cover sheet Topo is only shown on Demo plan (Sheet C002) 	• Yes • No	Please add a topo sheet without any demolition comments
Existing plant material Existing woodlands or wetlands (LDM 10)	Show location type and size. Label to be saved or removed. Plan shall state if none exists.	Trees and tree chart on Sheet LS-0 Removals shown on Sheet LS-0	• Yes • Yes	 Tree credits are only given for trees outside of a regulated woodland that are preserved – only credits for Trees 1 and 2 can be given. Please correct the table on Sheet LS-0. No replacements are required for the removed evergreens as they are not in a regulated woodland and aren't 36" dbh. Please draw a heavy line indicating the boundaries of the proposed woodland protection easement such as the pink line on the image at the bottom of this chart.
Soil types (LDM10)	 As determined by Soils survey of Oakland County Show types, boundaries 	Sheet LS-0	Yes	
Existing and proposed improvements (LDM 10)	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	Yes	Yes	
Existing and	Overhead and	Overhead wires	• Yes	Please show all utility

Item	Required	Proposed	Meets Code	Comments
proposed utilities (LDM 10)	underground utilities, including hydrants	are indicated along south property line. • The water, sanitary and storm sewer lines along Novi Road are not shown	• No	lines, including underground lines on the landscape plans – there are sanitary and water lines traveling along Novi Road.
Proposed grading. 2' contour minimum (LDM 10)	Provide proposed contours at 2' interval	Sheet C201	Yes	
Snow deposit (LDM 10)	Show snow deposit areas on plan	Yes	Yes	
LANDSCAPING REQUIRE	EMENTS			
Parking Area Landscap	e Requirements (Zoning Se			
General requirements (LDM 5)	Clear sight distance within parking islandsNo evergreen trees	ProvidedNo trees or shrubs are within it	Yes	
Name, type and number of ground cover (LDM 5)	As proposed on planting islands	 Sod is shown for all areas except detention basin Detention seed mix is shown in basins 	Yes	1.
General (Zoning Sec 5	5.3.C)			
Parking lot Islands	 A minimum of 200 SF to qualify A minimum of 200sf unpaved area per tree planted in an island 6" curbs Islands minimum width 10' BOC to BOC 	 The islands are actually perimeter islands. They appear to meet the minimum area required. Island areas are labeled – sufficient sized 	Yes	
Curbs and Parking stall reduction (Zoning Sec 5.3.12)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	The parking spaces are 17 feet long with a 7-foot wide sidewalk.	Yes	
Contiguous space limit (Zoning sec 5.5.3.C)	Maximum of 15 contiguous spaces	The only bay is 8 spaces.	Yes	
Plantings around Fire Hydrant (Zoning sec 5.5.3.C)	 No plantings with matured height greater than 12' within 10 ft. of fire hydrants Plant trees at least 5 ft from underground utility lines 	 Hydrants are shown No landscaping is blocking them. 	Yes Yes	If either of the buildings has an FDC, please show that on the landscape plans and don't plant anything taller than 12" in front of it.

Item	Required	Proposed	Meets Code	Comments
	Plantings near hydrants or FDCs should be no taller than 12"			
Landscaped area (Zoning sec 5.5.3.C)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	Yes	Yes	
Clear Zones (Zoning sec 5.5.3.B.ii Footnote 10)	 25 ft corner clearance required. Refer to Zoning Section 5.5.9 	No trees or shrubs appear to be within a clear zone but the sign may be.	TBD	 Please show the clear vision zone as shown below on the landscape plan. The sign and all shrubs and trees must be located outside of the zones.
	OS-2, OSC, OST, B-1, B-2, B- district (Zoning Sec 5.5.3.C)		C-1, RC, Sp	pecial Land Use or non-
A = Total square footage of vehicular use areas up to 50,000sf x 7.5%	A = x sf * 7.5 % = A sf	One bay with large islands and canopy trees on both ends	Yes	As the parking spaces are only on one side of the drive, only perimeter trees need to be provided, but should be placed to shade the spaces as much as possible.
B = Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 1 %	B = (Total area – 50000) * 1% = xx sf	NA		
Category 2: For: I-1 and	1 I-2 (Zoning Sec 5.5.3.C)			
A. = Total square footage of vehicular use area up to 50,000 sf x 5%	A = x sf * 6% = A sf As the only parking is on one side of a drive, only perimeter parking lot trees are required.	One bay with large islands and canopy trees on both ends	Yes	Please place the tree in the western island closer to the parking spaces to shade the spaces as much as possible.
B = Total square footage of additional paved vehicular use areas over 50,000 SF x 0.5%	B = 0.5% x 0 sf = B SF	NA		
All Categories				
C = A+B Total square footage of landscaped islands	• C = A + B • C = 114 + 0 = 114 SF	1035 SF	Yes	
D = C/200 Number of canopy trees required	Interior trees are not required since just one bay is provided –	Perimeter trees on each end of the bay are provided	Yes	

Item	Required	Proposed	Meets Code	Comments
	perimeter trees will meet the requirement			
Parking Lot Perimeter Trees (Zoning Sec 5.5.3.C)	 1 Canopy tree per 35 If (250*2-81)/35 = 12 trees Perimeter areas within 20 feet of a building can be excluded from the calculation. 	12 trees	Yes	Label the PKS next to the dumpster as WP and count it as a pond tree
Accessway perimeter (Zoning Sec 5.5.3.C)	 1 canopy tree per 35 If on each side of road, less widths of access drives. 950If/35 = 27 trees Perimeter areas within 20 feet of a building can be excluded from the calculation. Waiver would be supported for 350 If (10 trees) along north side of west building. 	11 trees • 7 north of east building labeled PKN • 4 greenbelt trees that can be double-counted as accessway perimeter trees	No	1. A landscape waiver would be supported for the lack of trees provided along the 350lf along the drive north of the building as there is not room for the 10 trees required there. 2. Please request a waiver for those trees 3. Please provide all of the 17 remaining required trees along the drives, including 2 east of the snow deposit area north of the new building, 3 around the T turn and one east of the hydrant at the south side of the entrance (the replacements trees may need to be moved away from the pavement edge to accommodate them) 4. Label the accessway trees as AW, not PKN.
Parking land banked (Zoning Sec 5.2.14.D)	NA	None		

Berms, Walls and ROW Planting Requirements

Berms (Zoning Sec 5.5.3.A & LDM 1)

- All berms shall have a maximum slope of 33%. Gradual slopes are encouraged. Show 1ft. contours
- Berm should be located on lot line except in conflict with utilities.
- Berms should be constructed with 6" of topsoil.

Residential Adjacent to Non-residential (Sec 5.5.3.A & LDM 1.a)

Berm requirements (Zoning Sec 5.5.A)	As the railroad passes between the site and the residential property	None	Yes	
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Item	Required	Proposed	Meets Code	Comments				
	to the east, no screening berm is required.							
Adjacent to Public Righ	Adjacent to Public Rights-of-Way (Sec 5.5.3.B and LDM 1.b)							
Berm requirements (Zoning Sec 5.5.3.A.(5))	As the parking does not abut the greenbelt, no berm is required.	None	Yes					
Cross-Section of Berms	(LDM 10)							
Slope, height and width	NA	No						
Type of Ground Cover	NA	Sod	Yes					
Walls (Zoning Sec 5.5.3.	A & LDM 10)			_				
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	 Only retaining walls along the detention ponds are proposed TW/BW are provided on grading plan 	TBD	Please provide sample wall information for all walls indicating their appearance and construction.				
Walls greater than 4 ft. should be designed and sealed by an Engineer		No details provided	No	Please provide details for walls taller than 4 feet along with the building plans				
ROW Landscape Scree	ning Requirements (Zoning	Sec 5.5.3.B.ii)						
Greenbelt width	Not adjacent to Pkg: 25 ft	0-18 ft	No	As the building is not being enlarged into the greenbelt, and the new drive across the front of the site is a requirement of the fire marshal, the deficiency is accepted without a waiver.				
Min. berm crest width	None	No	Yes					
Minimum berm height	None	No	Yes					
3' wall	(2)(3)(4)	None						
Canopy deciduous or large evergreen trees	Not adj to Pkg: 1 tree per 60 ft(300-50)/60 = 4 trees	5 new trees2 existing trees	Yes					
Sub-canopy deciduous trees	Not adj to Pkg: 1 tree per 40 ft(300-50)/40 = 6 trees	6 trees	Yes	The two arborvitaes do not count as subcanopy trees.				
Self-Storage Rules (14-271-Part II Section 2.I)	At least 2 of the required canopy or evergreen greenbelt trees shall be planted between the road right-of-way and the building.	3 deciduous canopy trees	Yes					

Item	Required	Proposed	Meets Code	Comments
Canopy deciduous trees in area between sidewalk and curb	 Parking & No Parking: 1 tree per 35 lf (300-125)/45 = 4 trees 	No trees	Yes	1. Please extend the clear vision zones out to the road edge and provide calculation, measuring the deduction per the illustration in Section 5.5.3.B.ii Footnote 10. 2. If existing utility lines (not currently shown) do not allow the trees to be planted due to a lack of 5 foot spacing between the tree trunks and underground utility lines, the trees should not be planted and no waiver is required.
Non-Residential Project Refer to Planting in ROV	t s (Zoning Sec 5.5.3.F.iii) V, building foundation land	lscape, parkina lot land	dscapina a	nd IDM
Screening of outdoor storage, loading/unloading (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)	Loading/unloading areas shall be screened from view from Novi Road or the residences.	All of the vehicle unloading areas appear to be inside the buildings, or blocked from view from Novi Road by the buildings and from the residences by the buildings and the railroad tracks.	Yes	
Transformers/Utility boxes (LDM 6)	 A minimum of 2ft. separation between box and the plants Ground cover below 4" is allowed up to pad. No plant materials within 8 ft. from the doors 	The transformer for both buildings is blocked by the existing building but no shrubs	No	Please add screening shrubs along the north side of the transformer
Building Foundation Lar	ndscape Requirements (Zor			
Interior site landscaping SF (Zoning Sec 5.5.3.D)	 Equals to entire perimeter of the building x 8 with a minimum width of 4 ft. At least 75% of the building perimeter should be landscaped West Bldg: (644-25-28-5) f x 8 ft = 4688 sf 	 West bldg: 4723 sf East bldg: 4604 sf Detailed foundation planting plans are provided New plantings are proposed in place of the 	• Yes • Yes	

Item	Required	Proposed	Meets Code	Comments
	• East Bldg: (585-7-3-3) If x 8 ft = 4576 sf	existing shrubs around the existing building.		
Building Frontage Landscaping (Zoning Sec 5.5.3.D)	If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	 Existing: 143/155 = 92% New: 100% of building visible from Novi Road is landscaped 	• Yes • Yes	
Detention/Retention Bo	usin Requirements (Zoning So	ec. 5.5.3.E & LDM 3)		
Planting requirements (Zoning Sec 5.5.3.E & LDM 3)	 Clusters of large native shrubs shall cover 70-75% of the basin rim area at 10 lf from permanent water level 10" to 14" tall grass along sides of basin Refer to wetland for basin mix Deciduous canopy tree 1/35 of east, south and west sides of pond at 10 feet from permanent water level West pond: 335lf/35 = 10 trees East pond: 273lf/35 (only east, south and west sides) = 8 trees Woodland replacement trees can be used to meet the tree requirement 	Shrubs are proposed around the ponds but 3 shrub "masses" are not large enough. Trees: West pond: 12 trees East pond: 12 trees A native seed mix is proposed for the bottoms of both ponds.	• Yes/No • Yes • Yes	 Please use larger masses of shrubs than just 3, and provide 70% coverage around the ponds. If berries are desired on the winterberries, one male per 8 females (intermixed) should be specified. Extra trees can be removed from the plan if desired. Please show seed mix species list on Final Site Plans. Please add a note near the seed mix list stating: "The landscape contractor shall send proof of the seed mix to be used (photo of seed bag or copy of invoice indicating the seed mix purchased) to rmeader@cityofnovi. org for approval prior to placement."
Phragmites and Japanese Knotweed Control (Zoning Sec 5.5.6.B)	 Any and all populations of Phragmites australis and/or Japanese Knotweed on site shall be included on tree survey. Treat populations per MDEQ guidelines and requirements to eradicate the weed 	 Populations of Phragmites are indicated on Sheet C002 Plans for removal are included in Environmental Engineer Report 	• Yes • No	Please add steps for the Phragmites' removal to the Site Plans (referring to the environmental engineer's report is not sufficient)

Item	Required	Proposed	Meets Code	Comments
	from the site.			
LANDSCAPING NOTES,	DETAILS AND GENERAL REQU	JIREMENTS		
Landscape Notes – Utili	ze City of Novi Standard No	otes		
Installation date (LDM 10)	Provide intended date	Between Mar 15 and Nov 15.	Yes	
Maintenance & Statement of intent (Zoning Sec 5.5.6 & LDM 10)	 Include statement of intent to install and guarantee all materials for 2 years. Include a minimum one cultivation in June, July and August for the 2-year warranty period. 	Yes	Yes	
Plant source (LDM 10 & 11)	Shall be northern nursery grown, No.1 grade.	Yes	Yes	
Irrigation plan (LDM 10)	A fully automatic irrigation system or a method of providing sufficient water for plant establishment and survival is required on Final Site Plans. If irrigation won't be used, note how trees will get sufficient water for establishment and long-term survival	No plan is included		 Please add irrigation plan or information as to how plants will be watered sufficiently for establishment and long- term survival. If xeriscaping is used, please provide information about plantings included. An irrigation system shall meet the requirements listed at the bottom of this chart.
Other information (LDM 10)	Required by Planning Commission	NA		
Establishment period (Zoning Sec 5.5.6 & LDM 10)	2 yr. Guarantee	Yes	Yes	
Approval of substitutions. (Zoning Sec 5.5.5 & LDM 10)	City must approve any substitutions in writing prior to installation.	Yes	Yes	
Plant List (LDM 10 & 11)	– Include all cost estimates			
Quantities and sizes	At least 50% of species	On plant list	Yes	
Root type	used, not including woodland	Yes	Yes	
Botanical and common names (LDM 4 & 11)	replacements or seed mix species, shall be native to Michigan Tree diversity shall follow guidelines of	 11 of 23 species used (48%) are native to Michigan Tree diversity is 	• No • Yes	Please increase the number of native species used so at least 50% of the species used are

Item	Required	Proposed	Meets Code	Comments
	LDM Section 4	satisfactory (Thuja occidentalis is a shrub, not a tree)		native. Check https://lsa-miflora- p.lsait.lsa.umich.edu/ to see if a plant is considered native to Michigan or ask me via email. 2. Beeches are currently having some maladies in Michigan, so I would recommend using Swamp White Oak (Quercus bicolor) – also a native - in place of them 3. Acer spicatum is a nice native tree, but is not readily available in nurseries here. I'd recommend replacing them with Amelanchier laevis or Amelanchier xgrandiflora 'Autumn Brilliance, both of which are considered native.
Type and amount of lawn		Sod	Yes	Please add areas of each in cost table.
Cost estimate (LDM 10)	For all new plantings, mulch and sod as listed on the plan	No		Please add to final site plan. The standard costs to use are: • Canopy trees: \$400 ea. • Evergreen trees: \$375 ea. • Subcanopy trees: \$375 ea. • Shrubs: \$50 ea. • Grasses/perennials: \$15 ea. • Seed: \$3/syd • Sod: \$6/syd • Mulch: \$35/cyd
	DM Part III) – Utilize City of N	ovi Standard Details		
Canopy Deciduous Tree	Refer to LDM for detail	Yes	Yes	
Evergreen Tree	drawings	Yes	Yes	
Multi-stem Tree		Yes	Yes	

Item	Required	Proposed	Meets Code	Comments
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)	Sheet LS-0	Yes	Critical root zone can be shown as 1 foot outside of the dripline, but it's fine as you have it.
Other Plant Material Re				
General Conditions	Plant materials shall not be planted within 4 ft. of property line	Sheet LS-1	Yes	
Plant Materials & Existing Plant Material (LDM 11)	Clearly show trees to be removed and trees to be saved.	Sheet LS-0	Yes	
Landscape tree credit (LDM 11)	 Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM 	23 credits noted on table	No	 No credits are allowed for the two evergreen trees saved as credits are only earned with preserved canopy trees No credits are allowed for the trees preserved within the wetland or woodland
Plant Sizes for ROW, Woodland replacement and others (LDM 11)	Size determined by use detailed in LDM Table 11.b.(2)a.i Indicate on plant list	Included in plant list	Yes	
Plant size credit (LDM	NA	No		
Prohibited Plants (LDM 11.b)	No plants on City Invasive Species List	No invasive plants are proposed	Yes	
Recommended trees for planting under overhead utilities (LDM 11)	Label the distance from the overhead utilities			
Collected or Transplanted trees (LDM 11)		None		
Nonliving Durable Material: Mulch (LDM 12)	 Trees shall be mulched to 3"depth and shrubs, groundcovers to 2" depth Specify natural color, finely shredded 	Yes	Yes	

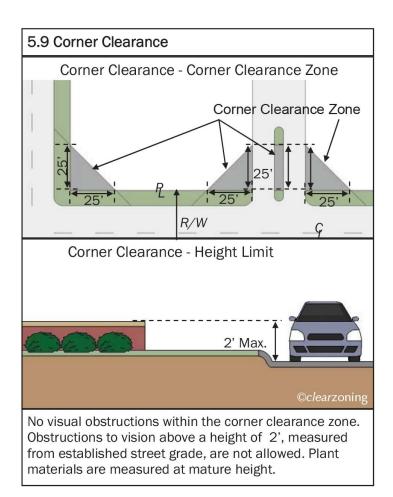
Item	Required	Proposed	Meets Code	Comments
	hardwood bark mulch.			
	Include in cost			
	estimate.			

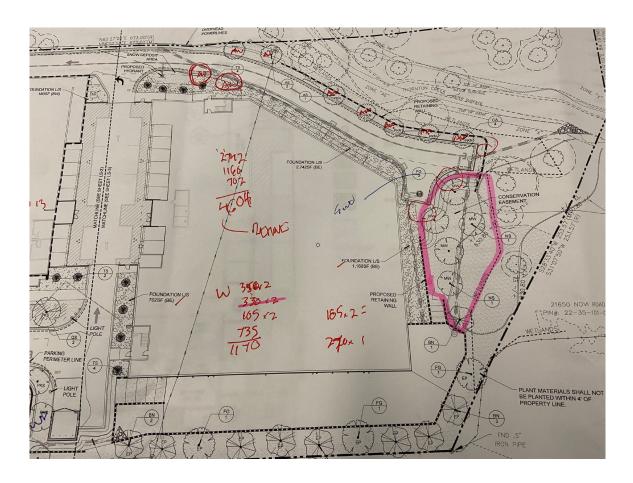
NOTES:

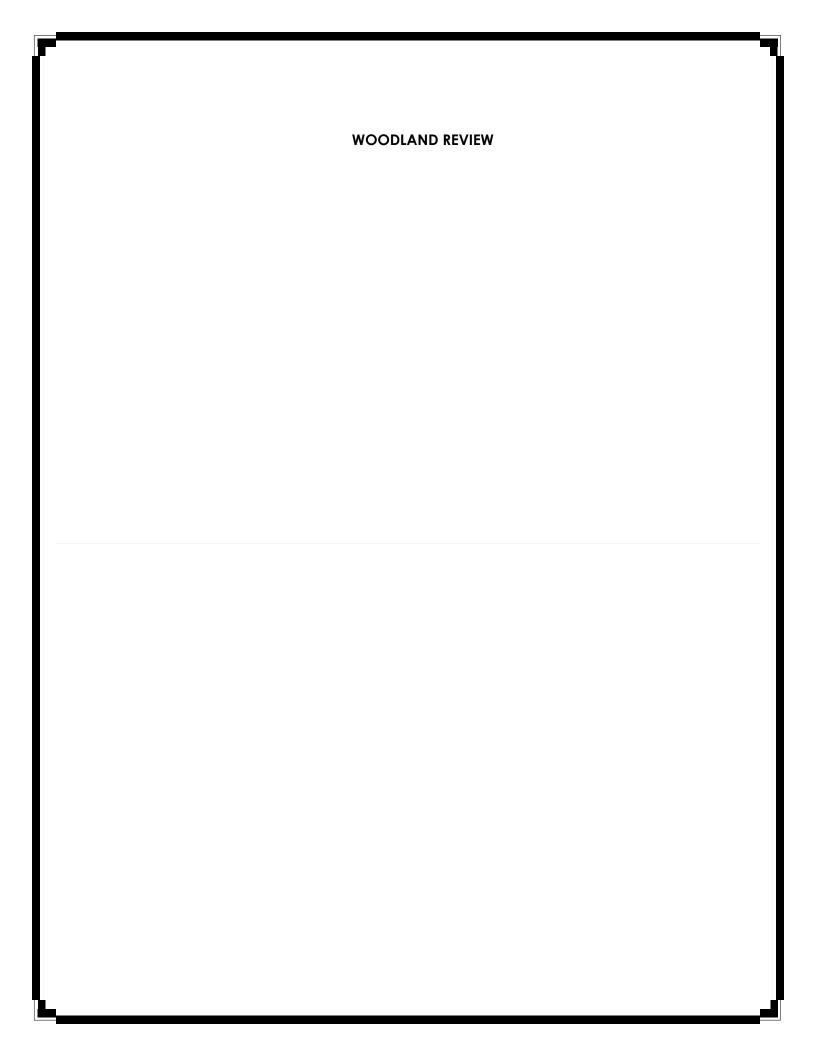
- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. For the landscape requirements, please see the Zoning Ordinance landscape section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

<u>Irrigation System Requirements</u>

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









Corporate Headquarters

295 South Water Street, Suite 300 Kent, OH 44240 800-828-8312

> Local Office 3381 Lapeer Rd. West Auburn Hills, MI 48326

To: Christian Carroll, City of Novi Planner

Community Development Department, City of Novi

From: Kerry Gray, Principal Consultant

Davey Resource Group

CC: Barb McBeth, City of Novi, City Planner

Lindsay Bell, City of Novi Senior Planner

Rick Meader, City of Novi Landscape Architect

Ben Peacock, City of Novi Planner

Diana Shanahan, City of Novi Planning Assistant Douglas Repen, Mannik and Smith Group

Date: April 24, 2023

RE: Extra Space Self Storage (FKA: GHK Self Storage)

Woodland Review #2 – JSP22-38

Davey Resource Group, Inc. (DRG) has conducted a review of the revised Preliminary Site Plan for the proposed **Extra Space Self Storage** facility (FKA GHK Self Storage) located at 21700 Novi Road (Parcel No. 22-35-101-016). The plan set, prepared by Blue Water Civil Design (plan revision: 03/31/2023), was reviewed for conformance with the City of Novi's Woodland Protection Ordinance, Chapter 37, and comments from Woodland Review #1.

Recommendation: DRG **recommends contingent approval** of the Extra Space Self Storage Facility (FKA GHK Self Storage) Preliminary Plan – based upon addressing the woodland review comments.

The following Woodland Regulations apply to this site:

Woodland Regulation				
Woodland Permit (Chapter 37, Section 37-26)	YES			
Tree Replacement (Chapter 37, Section 37-8) & Financial Guarantee (Chapter 26.5-5)	YES			
Tree Protection (Fence) (Chapter 37, Section 37-9) & Financial Guarantee (Chapter 26.5-5)	YES			
Woodland Conservation Easement (Chapter 37-30 (e))	YES			

Woodland Review Comments

1. A Woodland Use Permit is required to perform construction on any site containing regulated woodlands. The Woodland Use Permit for this project requires Planning Commission approval.

To determine woodland fence inspection fees - the applicant shall provide the cost (labor and supplies) for installation (including the initial location staking) and removal of tree protection fencing.

2. Woodland Replacement Credits (Sheet LS-0). The City of Novi Landscape Design Manual allows non-regulated canopy trees that will be preserved to be used to fulfill woodland replacement credits if they are on the site and not prohibited and/or invasive species.

The "Tree Removal/Protection Chart" on Sheet LS-0 incorrectly shows regulated woodland trees being saved and counted as woodland replacement credits. The following preserved regulated woodland trees cannot be used towards meeting woodland replacement requirements:

- Tree #357 10" slippery elm
- Tree #358 8" cottonwood
- Tree #359 23" cottonwood
- Tree #364 25" black walnuts

- Tree #370 10" boxelder
- Tree #371 21" black walnut
- Tree #372 9" boxelder
- Tree #373 14" boxelder

In addition, the following preserved non-Michigan native evergreen trees cannot be used towards meeting woodland replacement requirements because they are not deciduous canopy trees.

- Tree #326 12" blue spruce
- Tree #327 17" blue spruce
- 3. Tree Removals and Replacements (Sheets LS-0/LS-1). The plan proposes the removal of three (3) regulated woodland trees and impacts to the critical root zone one (1) regulated woodland tree which requires 8 woodland replacement credits (see chart below).
 - Tree #364 25" black walnut critical root zone impacts
 - Tree #365 12" boxelder removal
 - Tree #366 9" black walnut removal
 - Tree #367 15" black walnut removal

Revise plans to fix the chart on sheet LS-0 to reflect the information in Comments 2 and 3.

Tree Size (DBH)	Number of Trees	Ratio Replacement/ Removed Tree	Total Replacements Required
8-11"	1	1	1
>11-20"	2	2	4
>20-29"	1	3	3
>29+"	0	4	0
Multi-Stem		Add Stems/8	
Woodland Replacement Credits (Non- Regulated Trees to be Preserved)	0	0	0
	8		

- 4. Woodland Replacements (Sheet LS-1). The site is required to mitigate the removal/disturbance of the 4 regulated woodland trees through the preservation of two non-regulated trees and with eight (8) woodland replacement credits. Woodland replacement credits can be provided by:
 - a. Planting the woodland tree replacement credits on-site.
 - b. Payment to the City of Novi Tree Fund at a rate of \$400/woodland replacement credit.
 - c. Combination of on-site tree planting and payment into the City of Novi Tree Fund (\$400/woodland replacement credit).

Revise plans based on Comments #2 and 3 and the required woodland replacement credits.

5. **Critical Root Zone (Sheet LS-0).** The tree protection fence diagrams on sheet LS-0 state the wrong information regarding measurement of the critical root zone. **Revise drawings to use the definition from Chapter 37.**

Critical root zone (CRZ) means a circular area around a tree with a radius measured to the tree's longest dripline radius **plus one** (1) foot.

- 6. Financial Guarantees (Repeated comments from Woodland Review #1)
 - a. A woodland fence guarantee of \$6,000 (\$5,000 x 120%) is required per Chapter 26.5-37. The financial guarantee shall be paid prior to issuance of the City of Novi Woodland Use Permit.
 - b. Woodland Replacement Financial Guarantee of \$3,200 (8 required woodland replacement credits x \$400 per woodland replacement credit) is required as part of the Woodland Use Permit fees to ensure planting of the on-site Woodland Replacement tree credits.
 - Based on inspection of the installed on-site Woodland Replacement trees, the Woodland Replacement Financial Guarantee shall be returned to the Applicant. The Applicant is responsible for requesting this inspection. Following acceptance of the planted woodland replacement trees, a 2-year performance bond must be paid to ensure the continued health and survival of the replacement trees (comment 6).
 - c. The applicant will be required to pay into the City of Novi Tree fund at a rate of \$400/credit for any Woodland Replacement tree credits that cannot be planted on site or if any protected woodland or non-regulated trees providing a woodland replacement credit are removed or damaged.
 - d. The applicant shall guarantee trees for two (2) growing seasons after installation and the City's acceptance, per The City's Performance Guarantees Ordinance. A two-year maintenance bond in the amount of \$1,000, twenty-five (25) percent of the value of the trees but in no case less than one thousand dollars (\$1,000.00), shall be required to ensure the continued health of the trees following acceptance (Chapter 26.5, Section 26.5-37).
 - Based on a successful inspection 2 years after installation of the on-site Woodland Replacement trees, the Woodland Replacement Performance Guarantee shall be returned to the Applicant. The Applicant is responsible for requesting this inspection.
- 7. **Woodland Guarantee Inspection.** If the woodland replacements, street trees or landscaping guarantee period is scheduled to end during the period of time when inspections are not conducted

(November 15th – April 15th) the Applicant is responsible for contacting the Bond Coordinator and Woodland/Landscape Inspector in late summer/early fall prior to the 2 year expiration to schedule an inspection. The Applicant is responsible for walking the entire site to confirm that all of the material has survived and is healthy. If any material is missing, dead or dying, replacements should be made prior to requesting the inspection. Once this occurs the Applicant should contact the Bond Coordinator to schedule the inspection (Angie Sosnowski at asosnowski@cityofnovi.org / 248-347-0441) and complete the inspection request form. If additional inspections are needed, then additional inspection fees will be required to be paid by the applicant. Based upon a successful inspection for the 2 year warranty the Landscape/Woodland/Street trees financial guarantee will be returned to the Applicant

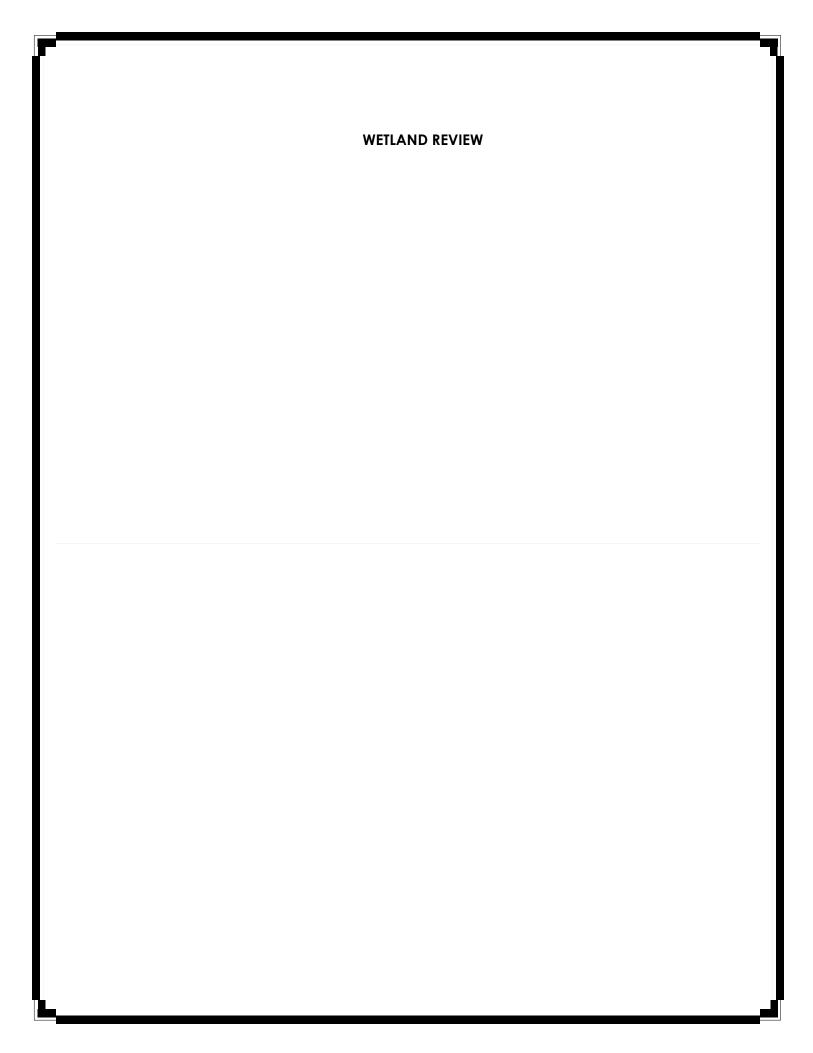
8. Conservation Easement. The Applicant may be required to provide preservation/conservation easements as directed by the City of Novi Community Development Department for any areas of woodland replacement trees. The applicant shall demonstrate that all proposed woodland replacement trees and existing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



Figure 1. Proposed site for Extra Space Self Storage (FKA: GHK Self Storage) (outlined in red)

City of Novi Regulated Woodland Map

(Green hatched areas = City-regulated woodlands; Blue hatched areas= City regulated wetlands)





April 26, 2023

Christian Carroll
City Planner
Department of Community Development
City of Novi
45175 W. Ten Mile Road
Novi, Michigan 48375

RE: GHK Self-Storage; JSP22-48

Wetland Review of Revised Preliminary Site Plan

MSG Project No. N1030138

Dear Mr. Carroll:

The Mannik & Smith Group, Inc. (MSG) reviewed the plan set titled *Site Development Plans for: Self Storage Facility* prepared by Bluewater Civil Design, LLC dated March 31, 2023 (rPSP). The project site is located at 21700 Novi Road, east of Novi Road and south of Nine Mile Road, parcel 50-22-35-101-016, in Section 35 (Site). MSG also reviewed the *Wetland Assessment* report prepared by SME dated November 29, 2022, provided with the rPSP (Wetland Report). The rPSP depicts repurposing of the existing Site building and construction of a new self-storage building and two detention ponds in the currently paved parking areas of the Site.

Published Data

Upon review of published resources, the portion of the Site included in the Project appears to contain:

- ☑ Wetlands that are regulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Refer to the Permits and Regulatory Status section below.
- ☑ Wetlands as identified on National Wetland Inventory (NWI) and Michigan Resource Inventory System (MIRIS) maps, as identified on the EGLE Wetlands Viewer interactive map website (Figure 2). NWI and MIRIS wetlands are identified through interpretation of topographic data and aerial photographs by the associated governmental bodies.
- ☐ Hydric (wetland) soil as mapped by the U.S. Department of Agriculture, Natural Resource Conservation Service, as identified on the EGLE Wetlands Viewer interactive map website (Figure 2).

MSG Wetland Boundary Verification

The rPSP and the Wetland Report depict the location of two wetlands at the Site as summarized below.

Wetland	On-site Wetland Area (Acre)	Wetland Impact Area (Acre)	Wetland Impact Fill Volume (Cubic Yards)	Wetland Buffer Area (Acre)	Wetland Buffer Impact Area (Acre)	Wetland Buffer Impact Fill Volume (Cubic Yards)
Α	0.092	Not specified*,**	Not specified*	Not specified*	Not specified*	363 net fill
В	0.369	Not specified*,**	Not specified*	Not specified*	Not specified*	Not specified*
Total	0.461	Not specified*,**	Not specified*	Not specified*	Not specified*	Not specified*

^{*} This information required for final site plan approval

^{**} See Comment 1 below

Permits and Regulatory Status

The City of Novi Code of Ordinances, Chapter 12, Article V defines an essential wetland as meeting one or more of the criteria listed in subsections 12-174(b)(1) through (10). It is MSG's opinion Wetlands A and B provide the functional characteristics of storm water storage capacity and wildlife habitat, and accordingly Wetlands A and B meet the criteria for an essential, City-regulated wetland. It appears pavement is to be permanently removed from a portion of Wetland A; see the Comments section below for applicable requirements.

In addition to wetlands, the City of Novi regulates wetland and watercourse buffers/setbacks. Article 24, Schedule of Regulations, of the Zoning Ordinance states: "There shall be maintained in all districts a wetland and watercourse setback, as provided herein, unless and to the extent, it is determined to be in the public interest not to maintain such a setback. The intent of this provision is to require a minimum setback from wetlands and watercourses". The established wetland and watercourse buffers/setback limit is 25 feet horizontal feet, regardless of grade change. Encroachment on the wetland buffer will require authorization from the City of Novi.

Mitigation is required per Section 12-176 of the Novi Code of Ordinances when an activity results in 0.25-acre or greater of impairment or destruction of wetland areas that are determined to be essential wetland area, two acres in size or greater, or contiguous to a lake, pond, river, or stream. The Novi Code of Ordinances, Section 12-176 – Mitigation, states "Where an activity results in the impairment or destruction of wetland areas of less than one-quarter (¼) acre that are determined to be essential under subsection 12-174(b), are two (2) acres in size or greater or are contiguous to a lake, pond, river or stream, additional planting or other environmental enhancement shall be required onsite within the wetlands or wetland and watercourse setback where the same can be done within the wetland and without disturbing further areas of the site." The rPSP does not depict encroachment into the Site wetlands, so neither mitigation nor an environmental enhancement plan appears to be required.

EGLE typically regulates wetlands that are located within 500 feet of an inland lake, pond, stream, or river, and/or isolated wetlands of an area of 5 acres or more. Wetlands A and B are likely regulated by EGLE based on their size and/or proximity to Thornton Creek. However, EGLE is the final authority of the location and regulatory status of wetlands in Michigan. MSG recommends the client request a pre-application meeting with EGLE to determine the State jurisdictional status and mitigation requirements if work affecting the potentially State-regulated wetlands is proposed.

Based on the available information, the following wetland related items appear to be required for this project:

Item	Required/Not Required/Not Applicable
Wetland Permit (specify Non-Minor or Minor)	Required, likely Minor Use; see Comment 1 below
Wetland Buffer Authorization	Required; see Comment 2 below
Wetland Mitigation	Not required
Environmental Enhancement Plan	Not required
EGLE Wetland Permit	Not required
Wetland Conservation Easement	Not applicable

Comments

1. The rPSP appears to depict permanent removal of pavement from a portion of Wetland A (Photo 4). The size of this area must be quantified on the Site plans and the vegetative cover to be used to replace the pavement must be identified in Site plans. In addition, a storm water culvert is proposed to be installed through the wetlands with a discharge into Thornton Creek. The temporary and/or permanent impact area(s) affected by the installation of the proposed storm water outfall into Thornton Creek must be similarly quantified. Because the ground cover will be affected, areas where silt fence is to be installed are to be included in wetland impact area calculations.

- a. If affected wetland areas are revegetated with native wetland plants and/or native wetland seed mix, a City permit for temporary impact will be required.
- b. If affected wetland areas are to be revegetated with turf grass and maintained as lawn, and/or if fill material is to be added to wetland areas, a City permit for permanent impact will be required, and an EGLE permit may be required. Planting turf grass or placement of sod in a wetland or buffer area is considered permanent impact.
- 2. The wetland buffer cut/fill volumes are noted on Sheet C102 of the rPSP. The areas of permanent and/or temporary buffer impact also must be depicted and quantified on Site plans. Because the ground cover will be affected, areas where silt fence is to be installed are to be included in wetland buffer impact area calculations. This information is required for issuance of a Wetland Buffer Authorization letter.
 - a. Wetland buffer areas where existing pavement is to be permanently removed and the replacement cover will consist of native plants and/or native seed mix are to be considered temporarily impacted.
 - b. Wetland buffer areas that are to include structures (e.g. pavement, retaining walls), landscaped, or maintained as lawn are to be considered permanently impacted.
- 3. City of Novi requires the boundary lines of any watercourses or wetlands on the Site to be clearly flagged or staked and such flagging/staking shall remain in place throughout the conduct of permit activity.
- As detailed in SME's Wetland Report, Wetlands A and B include non-native plant species (e.g. reed canary) grass, Phragmites, buckthorn). MSG recommends the applicant incorporate wetland replacement native plantings, including trees and shrubs, in the project plans as well as removal of non-native invasive species to enhance the aesthetics and natural habitat benefits of the wetland areas. The proposed Poa pratensis (Kentucky Bluegrass) sod is not considered a native wetland plant.

MSG conditionally approves the rPSP for Wetlands, contingent on the applicant satisfactorily addressing the comments above.

Please contact the undersigned if you have any questions regarding the matters addressed in this letter.

Sincerely.

The Mannik & Smith Group, Inc.

Keegan Mackin

Environmental Scientist

Douglas Repen, CDT

Project Manager

Certified Storm Water Management Operator

CC: Barbara McBeth, City of Novi Planner

Lindsay Bell, City of Novi Planner

Ben Peacock, City of Novi Planner

Diana Shanahan, City of Novi Planning Assistant

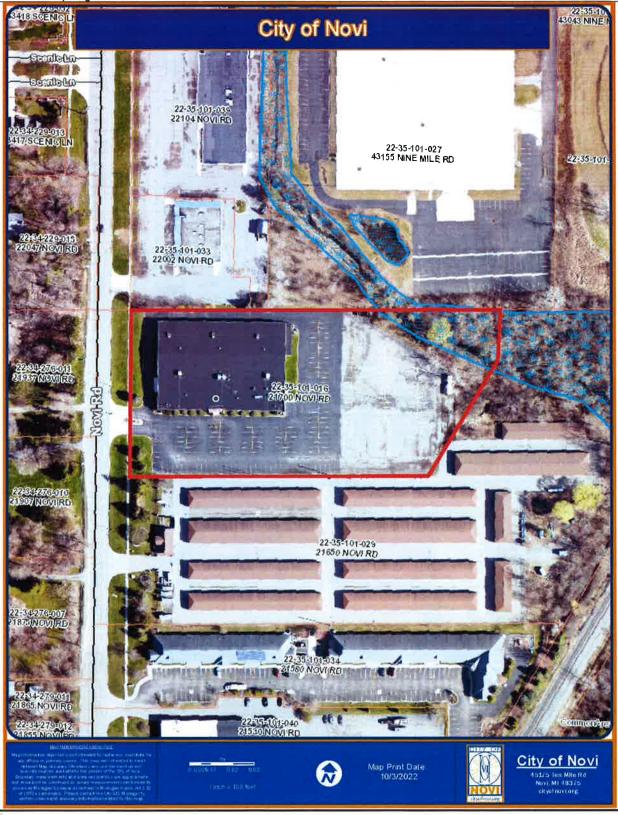
Sarah Marchioni, City of Novi Project Coordinator

Rick Meader, City of Novi Landscape Architect

FIGURES



Figure 1 City of Novi Natural Resources Map. Approximate Site boundary is shown in red. Regulated Wetland areas are shown in blue.





2365 Haggerty Road South, Canton, Michigan 48188 Tel: 734.397.3100 Fax: 734.397.3131



GHK Self-Storage; JSP22-48
Wetland Review of Revised Preliminary Site Plan
MSG Project No. N1030138

SITE PHOTOGRAPHS Mannik



Photo 1: View of the site, facing southwest. January 4, 2023



Photo 2: View of paved area adjoining wetlands, facing southeast. January 4, 2023





Photo 3: Typical view of wetland delineation flagging at the Site. January 4, 2023



Photo 4: View of portion of Wetland A extending onto paved area, facing north. January 4, 2023



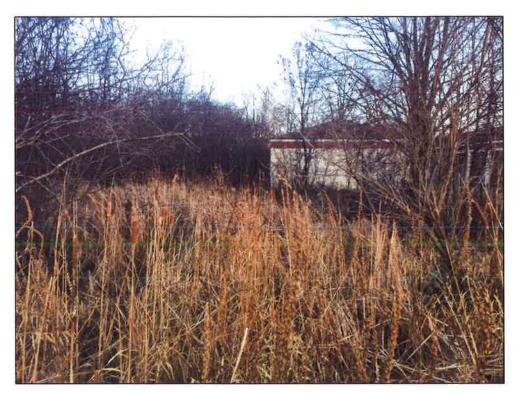


Photo 5: View of emergent wetland vegetation in Wetland A, facing east. January 4, 2023



Photo 6: View of scrub-shrub wetland vegetation in Wetland A, facing east. January 4, 2023



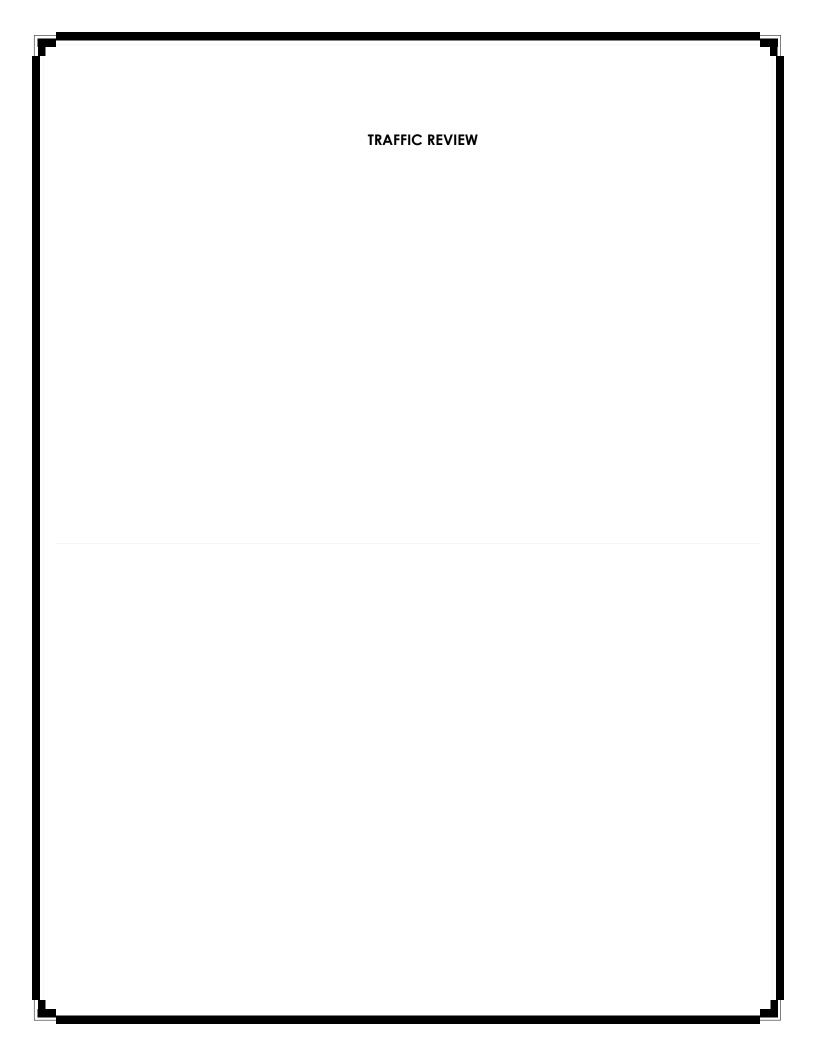


Photo 7: View of riverine wetland (Thornton Creek) and forested wetland vegetation in Wetland B area, facing northwest. January 4, 2023



Photo 8: View of Thornton Creek adjacent to paved area, facing northwest. January 4, 2023







To:

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

CC:

Lindsay Bell, Christian Carroll, Humna Anjum, Ben Peacock, Diana Shanahan

AECOM 27777 Franklin Road Southfield MI, 48034 USA aecom.com

Project name:

JSP22-48 - Extra Space Self Storage (fka GHK Self Storage) Revised Preliminary Site Plan Traffic Review

From:

AECOM

Date: May 2, 2023

Memo

Subject: JSP22-48 - Extra Space Self Storage (fka GHK Self Storage) Revised Preliminary Site Plan Traffic Review

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

GENERAL COMMENTS

- 1. The applicant, GHK Development, Inc., is proposing the addition of a 100,200 SF 3 story self storage building to the existing 36,571 SF building to be remodeled into self storage.
- 2. The development is located on the east side of Novi Road, south of 9 Mile Road. Novi Road is under the jurisdiction of Oakland County.
- 3. The site is zoned I-1 (Light Industrial).
- 4. The following traffic related waivers or variances will be required:
 - a. Location of trash enclosure.
- Conditions for approval include the following:
 - a. Applicant requests and is granted a variance for location of trash enclosure.
 - b. Dimensions of garage door provided to show 20' access way.
 - 6' clear path required from bike parking to ramp.
 - The height of the Bike Rack is 36".

TRAFFIC IMPACTS

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

ITE Code: 151 - Mini-Warehouse

Development-specific Quantity: 136,771 SF

Zoning Change: I-1

Trip Generation Summary	Estimated Trips	Estimated Peak- Direction Trips	City of Novi Threshold	Above Threshold?
AM Peak-Hour Trips	12	7	100	No
PM Peak-Hour Trips	21	11	100	No
Daily (One-Directional) Trips	198	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	
-	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.

EXT	EXTERNAL SITE ACCESS AND OPERATIONS						
No.	Item	Proposed	Compliance	Remarks			
1	Driveway Radii O <u>Figure IX.3</u>	Not indicated	Met	No changes proposed to existing access.			
2	Driveway Width O Figure IX.3	Not indicated	Met	No changes proposed to existing access.			
3	Driveway Taper O Figure IX.11	-	N/A				
3a	Taper length	-	N/A				
3b	Tangent	-	N/A				
4	Emergency Access O <u>11-194.a.19</u>	2 Access Points	Met	A second access point was added for emergency access.			
5	Driveway sight distance O Figure VIII-E	Not indicated	Met	No changes proposed to existing access.			
6	Driveway spacing						
6a	Same-side O <u>11.216.d.1.d</u>	Not indicated	Met	No changes proposed to existing access.			
6b	Opposite side O <u>11.216.d.1.e</u>	Not indicated	Met	No changes proposed to existing access.			
7	External coordination (Road agency)	Not indicated	Met	No changes proposed to existing access.			
8	External Sidewalk Master Plan & EDM	Not indicated	Met	No changes proposed to existing access.			
9	Sidewalk Ramps EDM 7.4 & R-28-J	Not indicated	Met	No changes proposed to existing access.			
10	Any Other Comments:			-			

No. Item	INTE	INTERNAL SITE OPERATIONS						
11			Proposed	Compliance	Remarks			
Seminorm Seminorm	11	Loading zone <u>ZO 5.4</u>			districts. Consider for			
movements provided vehicle turning movements in future submittals. 14 Maneuvering Lane ZO 5.3.2 24' and 20' lanes dimensioned. Garage doors not dimensioned. Indicate dimensions of garage doors. 15 End islands ZO 5.3.12	12	Trash receptacle ZO 5.4.4		Not Met	located in the rear yard. A waiver would be required for current			
dimensioned. Garage doors not dimensioned. 15 End islands ZO 5.3.12 15a Adjacent to a travel way		Emergency Vehicle Access	movements provided		vehicle turning movements in future submittals.			
15a	14		dimensioned. Garage doors not	Partially Met				
Time		•						
16 Parking spaces ZO 5.2.12 17 Adjacent parking spaces ZO 5.5.3.C.ii.i 18 Parking space length ZO 5.3.2 18 for perpendicular spaces, 23 for parallel spaces, 23 for parallel spaces. 19 Parking space Width ZO 5.3.2 9' for parallel and perpendicular spaces, 23 for parallel spaces. 20 Parking space front curb height ZO 5.3.2 4" Inconclusive Spaces are 18' with a 4" curb. Applicant could shorten spaces to 17'. 21 Accessible parking – number 2 Met Only 1 ADA space is required for 16 total spaces. 22 Accessible parking – size ADA 9' space with 8' aisle Met Spaces currently 9' wide, may be reduced to 8' with an 8' aisle for van accessible to increase green area. 23 Number of Van-accessible space 2 Met Indicated Indicated		-		-	-			
Adjacent parking spaces ZO 5.5.3 C.ii.i Parking space length ZO 5.3.2 18' for perpendicular spaces, 23' for parallel spaces Parking space Width ZO 5.3.2 9' for parallel and perpendicular Parking space front curb height 4" Inconclusive Parallel spaces could be reduced to 8' wide.			None	-	-			
S.5.3.C.ii. island								
perpendicular spaces, 23' for parallel spaces. 19 Parking space Width ZO 5.3.2 9' for parallel and perpendicular 20 Parking space front curb height 4" Inconclusive Spaces are 18' with a 4" curb. Applicant could shorten spaces to 17'. 21 Accessible parking – number 2 Met Only 1 ADA space is required for 16 total spaces. 22 Accessible parking – size ADA 9' space with 8' aisle Met Spaces currently 9' wide, may be reduced to 8' with an 8' aisle for van accessible to increase green area. 23 Number of Van-accessible space 2 Met Indicated 24 Bicycle parking Aspaces/2 racks indicated Met 2 spaces required		<u>5.5.3.C.ii.i</u>	island					
Parking space Width ZO 5.3.2 9' for parallel and perpendicular Parallel spaces could be reduced to 8' wide.	18	Parking space length <u>ZO 5.3.2</u>	perpendicular spaces, 23' for	Met	with 6" curb require 19'			
Parking space front curb height ZO 5.3.2	19	Parking space Width ZO 5.3.2	9' for parallel and	Met				
ADA 22 Accessible parking – size ADA 23 Number of Van-accessible space 2 ADA 24 Bicycle parking ADA P' space with 8' aisle 9' space with 8' aisle Met Spaces currently 9' wide, may be reduced to 8' with an 8' aisle for van accessible to increase green area. Met Indicated 4 spaces/2 racks indicated Met 2 spaces required	20			Inconclusive	curb. Applicant could			
aisle may be reduced to 8' with an 8' aisle for van accessible to increase green area. Number of Van-accessible space 2	21	<u>ADA</u>	2	Met	required for 16 total spaces.			
ADA 24 Bicycle parking 24a Requirement ZO 5.16.1 4 spaces/2 racks indicated 2 spaces required	22		aisle	Met	may be reduced to 8' with an 8' aisle for van accessible to increase green area.			
24a Requirement <u>ZO 5.16.1</u> 4 spaces/2 racks Met 2 spaces required indicated	23	ADA	2	Met	Indicated			
indicated	24							
24b Location ZO 5.16.1 Adjacent to door Met	24a	Requirement ZO 5.16.1		Met	2 spaces required			
	24b	Location <u>ZO 5.16.1</u>	Adjacent to door	Met				

INTE	RNAL SITE OPERATIONS			
No.	Item	Proposed	Compliance	Remarks
24c	Clear path from Street ZO 5.16.1	7' sidewalk with 2' overhang	Not Met	6' clear path required. 7' sidewalk with 4" curb is assumed to have 2' clear overhang, resulting in 5' clear path. Applicant could widen the sidewalk to 8' from bike parking to ramp.
24d	Height of rack ZO 5.16.5.B	None indicated	Not Met	36" in height required. Indicate heght in future submittals.
24e	Other (Covered / Layout) ZO 5.16.1	Layout included	Met	
25	Sidewalk – min 5' wide Master Plan	5' and 7'	Met	
26	Sidewalk ramps EDM 7.4 & R- 28-J	Indicated	Met	
27	Sidewalk – distance back of curb EDM 7.4	N/A	-	-
28	Cul-De-Sac O Figure VIII-F	N/A	=	-
29	EyeBrow O Figure VIII-G	N/A	-	-
30	Turnaround <u>ZO 5.10</u>	20' radius	Inconclusive	Indicate lengths of stubs in future submittals. Radius meets the parameters. Provide dimensions as per Figure 5.10.1.B.II in the Zoning Ordinance.
31	Any Other Comments:			_

SIGNING AND STRIPING					
No.	Item	Proposed	Compliance	Remarks	
32	Signing: Sizes MMUTCD	Included	Met		
33	Signing table: quantities and sizes	Included	Met		
34	Signs 12" x 18" or smaller in size shall be mounted on a galvanized 2 lb. U-channel post MMUTCD	Included	Met		
35	Signs greater than 12" x 18" shall be mounted on a galvanized 3 lb. or greater U-channel post MMUTCD	Included	Met		
36	Sign bottom height of 7' from final grade MMUTCD	Included	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	Included	Met		
38	FHWA Standard Alphabet series used for all sign language MMUTCD	Included	Met		
39	High-Intensity Prismatic (HIP) sheeting to meet FHWA retro-reflectivity MMUTCD	Included	Met		

SIG	SIGNING AND STRIPING					
No.	Item	Proposed	Compliance	Remarks		
40	Parking space striping notes	Not included	Not Met	Include in future submittals. Include note about abuting blue and white striping where a normal space abuts an ADA space.		
41	The international symbol for accessibility pavement markings ADA	Included	Met			
42	Crosswalk pavement marking detail	Included	Partially Met	Include color of marking and angle of hatching in detail in future submittals.		
43	Any Other Comments:	Applicant is indicating RCOC will install Stop sign at driveway, verify responsibility for installation. Update pavement markings detail to specify "White" paint, as per MMUTCD Section 3B.20. Add details for pavement marking island at entrance.				

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

Patricia Thompson, PE Traffic Engineer

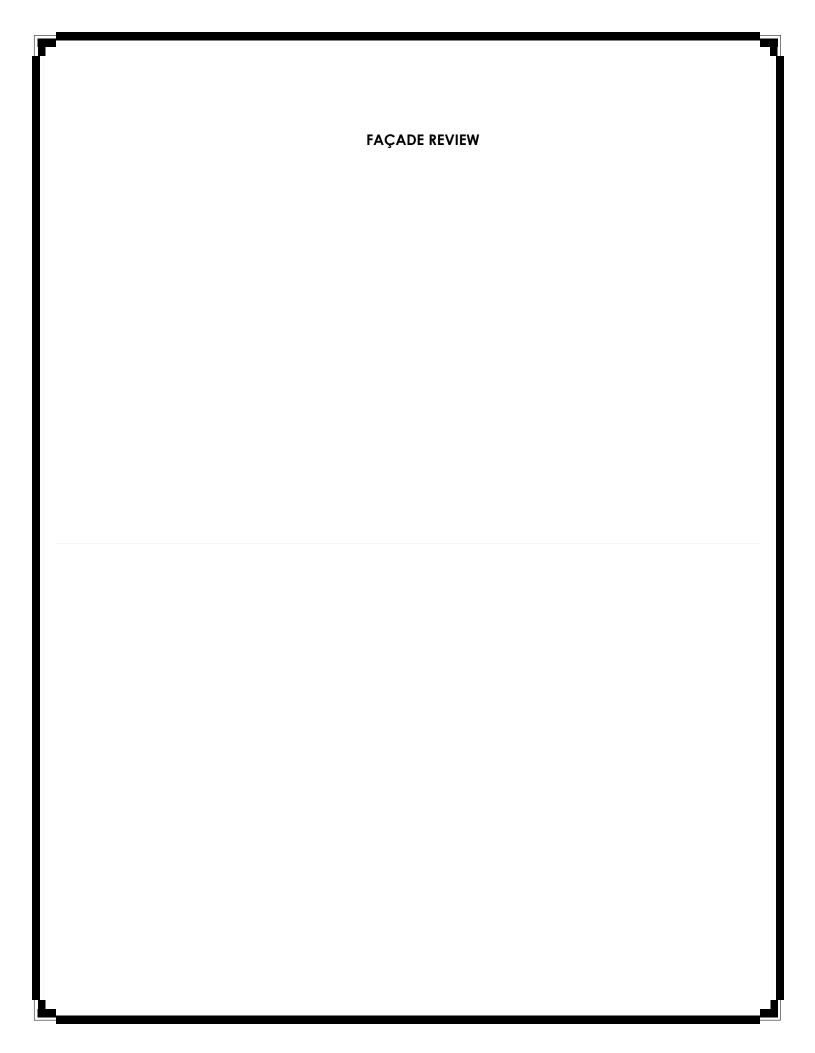
Patricia a Thompson

Paula K. Johnson, PE Senior Transportation Engineer

Paula K. Johnson

Saumil Shah, PMP Project Manager

Saumis Shal







January 23, 2023

Façade Review Status Summary: Approved, Section 9 Waiver Recommended.

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

Re: FACADE ORDINANCE – GHK Self Storage, JSP22-48

Façade Region: 1, Zoning District: I-1

Dear Ms. McBeth;

The following is the Facade Review for Preliminary Site Plan Approval of the above referenced project based on the drawings prepared by Jared Ducote Architect, dated 10/31/22. The drawings have been revised based on our prior review comments. The percentages of materials for each façade are shown on the table below. The maximum and minimum percentages required by the Ordinance Section 5.15 are shown in the right-hand column. A sample board as required by Section 5.15.4.D of the Ordinance was not provided. This project consists of the adaptive reuse of a 1-story bowling alley with a 3-story addition. The structure is treated as a single building with respect to the Façade Ordinance. The building is located within 500 feet of a major thoroughfare (Novi Rd.) and is therefore considered Façade Region 1. The requirements for Façade Region 3 are also provided below, for comparison purposes.

Revised Drawings Dated 10/31/22	West (Front)	South	East	North	Ordinance Maximum Region 1	Ordinance Maximum Region 3
Brick	61%	62%	0%	12%	100% (30% MIN)	100%
EIFS	35%	35%	0%	4%	25%	75%
Standing Seam Roof	2%	2%	0%	0%	25%	75%
Flat Metal (Aluminum Accent)	1%	0%	0%	0%	50%	75%
Painted CMU (Existing or New)	0%	0%	100%	84%	0%	0%
RTU Screen	1%	1%	0%	0%	50%	50%

Original Drawings Dated 9/28/22 (For Reference)	West (Front)	South	East	North	Ordinance Maximum Region 1	Ordinance Maximum Region 3
Brick	30%	25%	0%	0%	100% (30% MIN)	100%
EIFS	44%	40%	62%	32%	25%	75%
Split Faced CMU	20%	22%	26%	19%	10%	75%
Ground Faced CMU	3%	4%	4%	7%	10%	25%
Standing Seam Roof	2%	3%	0%	0%	25%	75%
Flat Metal (Aluminum Accent)	1%	6%	4%	3%	50%	75%
Painted CMU (Existing)	0%	0%	0%	37%	0%	0%
Exposed Concrete Foundation	0%	0%	4%	2%	0%	0%

As shown above the revised design results in a significantly higher degree of compliance to the Façade Ordinance with respect to the percentages of materials. Additionally, the combination of materials and colors provides improved integration of the proposed addition and the existing structure. The overage of EIFS on the west (front) façade is set back approximately 300' from the main façade and will not be significantly visible from Novi Road. The overage of CMU on the north and east facades represents a continuation of existing materials and will not be significantly visible from Novi Road.

Recommendation - For the reasons stated above we recommend that the design is consistent with the intent and purpose of the Façade Ordinance and that a Section 9 Waiver be granted for the overage EIFS on the west façade and the overage of CMU on the north and east facades. The applicant should provide a sample board prior to the Planning Commission meeting.

Notes to the Applicant:

- 1. It should be noted that all roof top equipment (RTU's) and ground mounted HVAC units must be screened from view from all vantage points both on-site and off-site using materials in compliance with the Façade Ordinance.
- 2. Inspections The Façade Ordinance requires inspection(s) for all projects. It is the applicant's responsibility to request the inspection of each façade material at the appropriate time. Inspections may be requested using the Novi Building Department's Online Inspection Portal with the following link. Please click on "Click here to Request an Inspection" under "Contractors", then click "Façade".

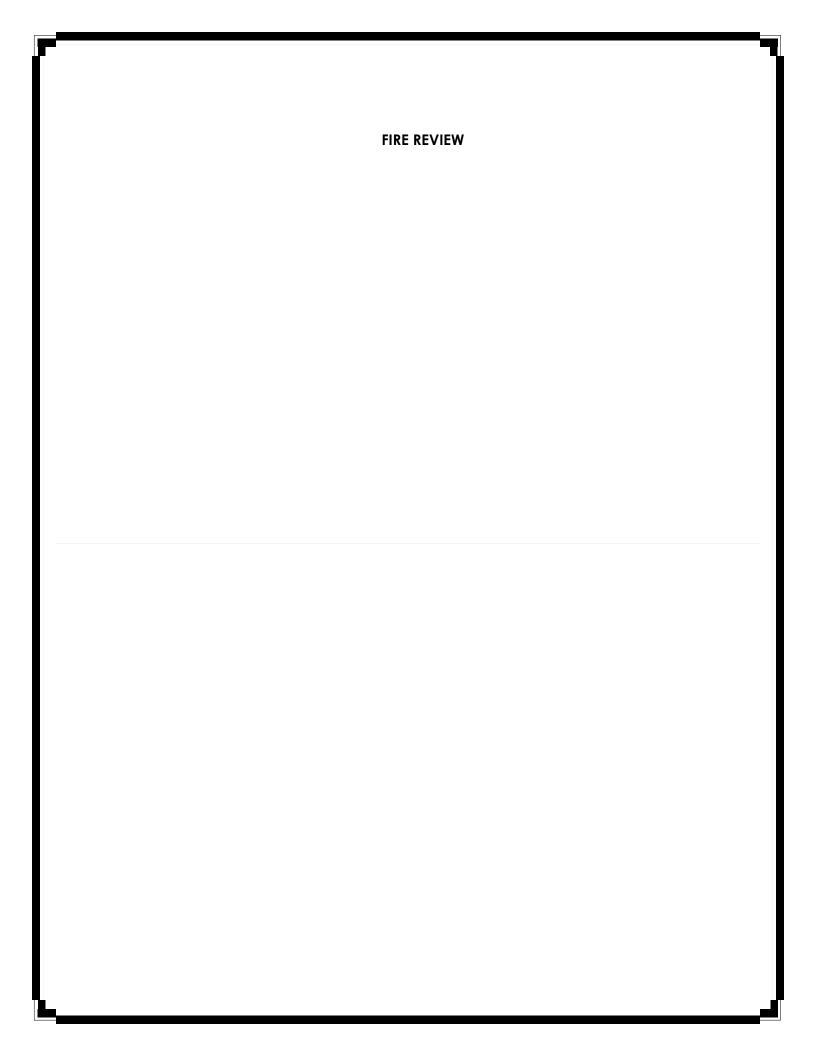
http://www.cityofnovi.org/Services/CommDev/OnlineInspectionPortal.asp.

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

Sincerely,

DRN & Associates, Architects PC

Douglas R. Necci, AIA





CITY COUNCIL

Mayor Bob Gatt

Mayor Pro Tem Dave Staudt

Laura Marie Casey

Hugh Crawford

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Ericka Thomas

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Erick W. Zinser

Fire Chief

Jeffery R. Johnson

Assistant Chief of Police

Scott R. Baetens

Assistant Fire ChiefJohn B. Martin

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

cityofnovi.org

April 17, 2023

TO: Barbara McBeth - City Planner Lindsay Bell - Plan Review Center Christian Carroll - Plan Review Center Ben Peacock – Plan Review Center Diana Shanahan – Planning Assistant

RE: GHK Self-Storage

PSP# 22-0137

PSP#22-137 JSP22-48

Project Description:

Build 1 new multi-story Storage Building and remodel 1 existing building (old Novi Bowl bldg.) on site.

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.
- 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. (See Attachment B)
- Corrected 4-17-23 KSP-Sheet C101 Front access drive indicates entrance(s) of 19.79' & 18.45'. This will need to corrected to a minimum of 20' wide for Fire lane access.
- Corrected 4-17-23 KSP-No Parking Fire Lane signs will need to be added on rear access drive.
- Corrected 4-17-23 KSP-Sheet A210 Entry gate in between buildings will need fire department "Knox-Key" access and/or electronic "Knox-Gate" access.
- Corrected 4-17-23 KSP-Sheet C103 Water Main detail.
 More fire hydrants will need to be added on site and rear access drive.
- Corrected 4-17-23 KSP-Sheet LSO13 Landscaping page. Landscaping cannot block any fire hydrant or fire Department connections to sprinkler valves. Provide locations for all FDC valve locations.

- Corrected 4-17-23 KSP-All fire apparatus access roads (public and private) with a dead-end drive in excess of one hundred fifty (150) feet shall be designed with a turnaround designed in accordance with Figure VIII-I or a culde-sac designed in accordance with Figure VIII-F. (D.C.S. Sec 11-194 (a)(20))
- Corrected 4-17-23 KSP-Additional Secondary Access road will need to be added from Novi Rd to rear driveway. Access thru building interior gate is NOT a/an acceptable fire lane route.

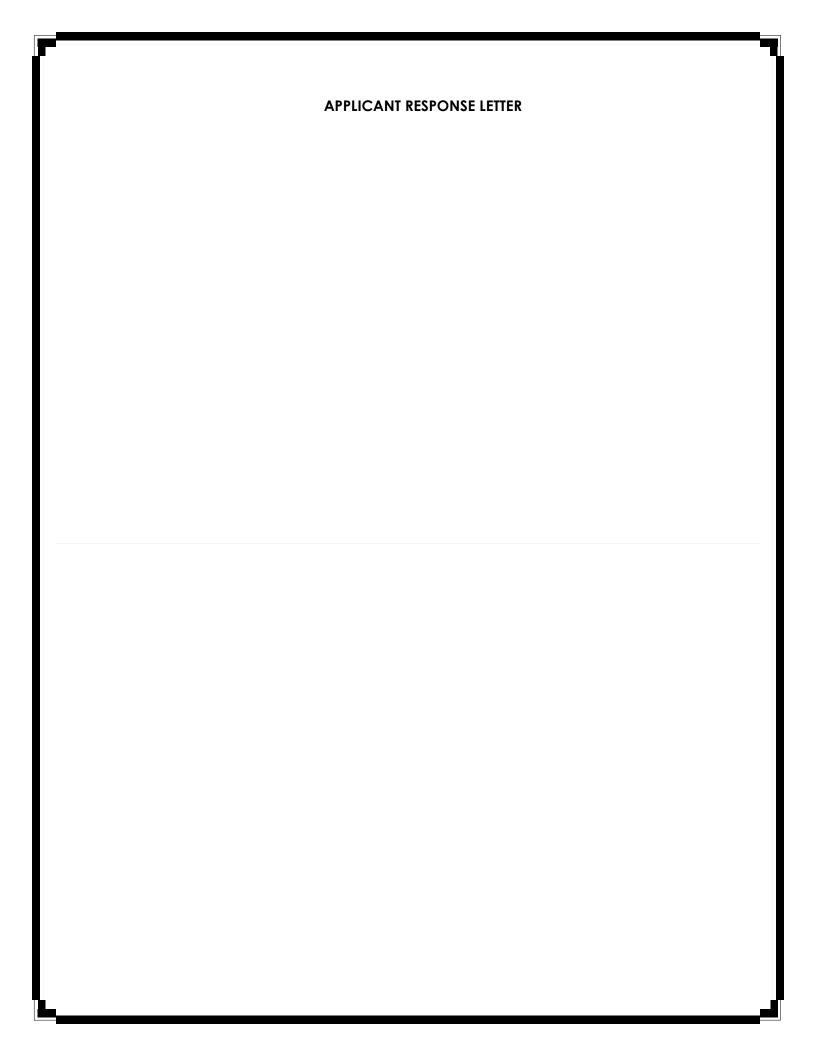
Recommendation:

Approved

Sincerely,

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

cc: file





PLAN REVIEW CENTER REPORT

Planning Review EXTRA SPACE SELF STORAGE

JSP 22-48 May 22, 2023

PETITIONER

Novi Development Company

REVIEW TYPE

Revised Preliminary Site Plan

PROPERTY CHARACTERISTICS

Section	35				
Site Location	21700 Novi Road; 50-22-35-101-016				
Site School	Northville Public Schools				
Site Zoning	I-1 Light Industrial				
	North	I-1 Light Industrial			
Adjoining Zoning	East	I-1 Light Industrial			
	West	est R-3 One-Family Residential			
	South	I-1 Light Industrial			
Current Site Use	Novi Bowl				
	North	Oakpointe Plaza			
Adjoining Uses	East	Estate Storage			
	West	One-Family Residential			
	South	Estate Storage			
Site Size	4.3 acres				
Plan Date	April 10, 2023				

PROJECT SUMMARY

The applicant is proposing to renovate the former site of Novi Bowl. The proposed development includes the renovation of the existing 36,571 square foot building to accommodate indoor, climate-controlled, self-storage. The existing building height and layout will remain the same. The applicant is also proposing a 100,200 square foot addition consisting of 3 stories (40 feet tall) to the rear of the existing building. In total, 924 climate-controlled self-storage units are proposed on the site. In between the existing and proposed addition, there will be a one-way enclosed drive-lane with a roll-up overhead door and eight parking spaces to accommodate loading and unloading of storage items by customers. The anticipated hours of operation for the leasing office will be 8:00 am to 6:00 pm Monday through Saturday, and the access hours will be from 7:00 am to 10:00 pm Monday through Sunday. The site had been previously used as a bowling alley (Novi Bowl).

RECOMMENDATION

Approval of the Preliminary Site Plan is recommended by Planning staff. The plan mostly complies with the ordinance requirements. All reviewers recommend approval of the Preliminary Site Plan.

SPECIAL LAND USE CONSIDERATIONS

In the I-1 District, a self-storage facility falls under the Special Land Use requirements. In addition, new standards were recently added to the zoning ordinance to allow for this use. Section 6.2.C of the Zoning Ordinance outlines specific factors the Planning Commission shall consider in the review of the Special Land Use Permit request:

- i. Whether, relative to other feasible uses of the site, the proposed use will cause any detrimental impact on existing thoroughfares in terms of overall volumes, capacity, safety, vehicular turning patterns, intersections, view obstructions, line of sight, ingress and egress, acceleration/deceleration lanes, off-street parking, off-street loading/unloading, travel times and thoroughfare level of service. The site has been adjusted to accommodate the flow of traffic to the extent possible. NOTED
- ii. Whether, relative to other feasible uses of the site, the proposed use will cause any detrimental impact on the capabilities of public services and facilities, including water service, sanitary sewer service, storm water disposal and police and fire protection to service existing and planned uses in the area. There is no additional impact on capabilities of public services.
- iii. Whether, relative to other feasible uses of the site, the proposed use is compatible with the natural features and characteristics of the land, including existing woodlands, wetlands, watercourses and wildlife habitats. The impact to regulated woodlands and wetlands has been minimized to the extent possible. NOTED
- iv. Whether, relative to other feasible uses of the site, the proposed use is compatible with adjacent uses of land in terms of location, size, character, and impact on adjacent property or the surrounding neighborhood. The proposed use, which is adjacent to residential and commercial uses, appears to be compatible with the surrounding area as its location, size, and character do not appear to be detrimental to the surround area. NOTED
- v. Whether, relative to other feasible uses of the site, the proposed use is consistent with the goals, objectives and recommendations of the City's Master Plan for Land Use. It complies with one of the goals that recommends attracting new businesses to the City.
- vi. Whether, relative to other feasible uses of the site, the proposed use will promote the use of land in a socially and economically desirable manner. Compared to other uses permitted as a special land use in the I-1 district, a self-storage facility will not bring a considerable amount of noise or traffic to the area. NOTED
- vii. Whether, relative to other feasible uses of the site, the proposed use is (1) listed among the provision of uses requiring special land use review as set forth in the various zoning districts of this Ordinance, and (2) is in harmony with the purposes and conforms to the applicable site design regulations of the zoning district in which it is located. A self-storage facility is allowed as a Special Land Use under the I-1 Zoning District. Staff is of the opinion that the proposed use generally meets the special land use requirements and is in harmony with the design regulations of the zoning district. NOTED

ORDINANCE REQUIREMENTS

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

- 1. <u>Uses Permitted (Sec. 3.1.18.B/C):</u> A climate-controlled self-storage facility is a special land use in the I-1 Zoning District. The Planning Commission will determine the compatibility of the use with the Special Land Use request.
- 2. <u>Landscaped Greenbelt (Sec. 4.51.2.I)</u>: A landscaped greenbelt on the front of the property has been provided. However, the Planning Commission may require additional screening, as necessary, to buffer from residential uses.
- 3. <u>Façade Materials (Sec. 4.51.2.N):</u> The proposed design results in a significantly higher degree of compliance to the Façade Ordinance that previously shown. A Section 9 Façade Waiver for the overage of EIFS on the west façade and the overage of CMU on the north and east facades would be required. The waiver would be supported by the City's Façade Consultant. **Please indicate if you wish to seek this waiver in the response letter and provide a façade sample board prior to the Planning Commission public hearing.** YES, WE ARE SEEKING A SECTION 9 WAIVER
- 4. <u>Planning Commission Findings (Sec. 3.14.3):</u> As part of the Special Land Use request, the Planning Commission shall determine if the proposed development is compatible with the Zoning Ordinance, the site, and its surrounding area in regard to scale, size, lighting, noise, and other impacts.
- 5. Parking Space Dimensions and Maneuvering Lanes (Sec. 5.3.2): The proposed perpendicular parking is 9 feet by 18 feet and the proposed parallel parking for loading and unloading is 9 feet by 23 feet. The proposed perpendicular spaces should either be 9 feet by 17 feet with 4 inch tall curb or 9 feet by 19 feet with 6 inch tall curb. Please revise these dimensions, as necessary, and indicate the dimensions of the parallel spaces on the site plan.

 PARKING SPACES TO BE REVISED TO 9' x 17' W/4" CURB
- 6. <u>Bicycle Parking General Requirements & Lot Layout (Sec. 5.16):</u> The proposed bicycle parking mostly complies with the ordinance requirements. Please see below for two items that should be addressed:

PLANS TO BE REVISED,

- a. Please indicate a minimum of 36" height for the U-Shaped bicycle racks. HEIGHT ADDED TO DETAIL
- b. Please widen the 5 foot path that connects to the public sidewalk to 6 feet to improve bicycle access to the site. PATH TO BE WIDENED TO 6'
- 7. <u>Dumpster (Sec. 4.19.2.F):</u> The proposed dumpster and dumpster enclosure is located in the interior side yard, which is not permitted. However, the proposed location minimizes impact to the existing wetlands, woodlands, and floodplain on the site. **Therefore, a variance request would be supported by staff. Please indicate if you wish to seek a variance from the Zoning Board of Appeals.** YES, WE WILL SEEK A VARIANCE FROM THE ZONING BOARD OF APPEALS.
- 8. <u>Economic Impact Information:</u> At this time, the total estimated cost of the proposed building and site improvements, as well as the number of anticipated jobs created (temporary and permanent) has not been provided. **Please provide this information prior to the Planning Commission meeting.**
- 9. <u>Woodland Permit:</u> A total of 4 regulated woodland trees and 2 non-regulated woodland trees are proposed for removal, which requires 7 woodland replacement credits. The applicant is proposing to preserve 2 non-regulated woodland trees, which brings the total woodland replacement credits required down to 3. A Woodland Permit is required to be reviewed and approved by the Planning Commission whenever more than 3 regulated woodland trees are proposed for removal. Therefore, this proposed development will require Woodland Permit approval from the Planning Commission. Please review the Woodland review letter for more information. NOTED

The project entails a total investment by the developer of \$20,883,000, inclusive of the land cost. The development cost is \$17,100,000 which includes the construction, site and landscaping costs, as well as the financing costs and operating reserves. Construction costs and Site hard costs are \$12,862,000. The construction of the project will generate approximately 150 temporary jobs over a 14 month period, and 2-3 permanent jobs once the business has opened.

- 10. <u>Wetland Permit:</u> A minor wetland use permit may be required for the permanent impact to a portion of Wetland A. In addition, the impact to the wetland buffer area has not been quantified on the plans. Please review the Wetland review letter for more information and revise the wetland plan in a revised submittal. NOTED
- 11. <u>Signage:</u> For sign permit information please contact Maureen Underhill at 248-347-0438 or <u>munderhill@cityofnovi.org</u> in the Code Compliance Division for more information.
- 12. <u>Planning Chart:</u> Please refer to the attached Planning Chart for additional comments to address in the next submittal.

OTHER REVIEWS

- a. <u>Engineering Review</u>: Engineering is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- b. <u>Landscape Review:</u> Landscape is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- c. <u>Woodland Review:</u> Woodland is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- d. <u>Wetland Review:</u> Wetland is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- e. <u>Traffic Review:</u> Traffic is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.
- f. <u>Façade Review:</u> Façade is recommending approval of the Preliminary Site Plan contingent upon a Section 9 Façade Waiver being granted by the Planning Commission and a façade board being provided prior to the Planning Commission public hearing.
- g. <u>Fire Review:</u> Fire is recommending approval of the Preliminary Site Plan with comments to be addressed in the Final Site Plan submittal.

NEXT STEP: PLANNING COMMISSION AND RESPONSE LETTER

The Special Land Use, Preliminary Site Plan, Woodland Use Permit, Wetland Use Permit, and Stormwater Management Plan will require a 15-day public hearing and approval from the Planning Commission due to the Special Land Use request. At that time, please provide the following <u>by May 31</u> once this stage is reached:

- 1. Site Plan submittal in PDF format. NO CHANGES MADE.
- 2. A response letter addressing ALL the comments from ALL the review letters and <u>a request for</u> waivers/variances as you see fit.
- 3. A color rendering of the Site Plan, which is to be used for Planning Commission presentation.
- 4. A façade board with sample materials of the proposed façade.

NEXT STEP: ZONING BOARD OF APPEALS

After receiving Planning Commission's approval of the Preliminary Site Plan, one variance from the Zoning Board of Appeals will be necessary prior to the approval of the Final Site Plan. Please submit this <u>application</u> to Anita Wagner, Account Clerk (<u>awanger@cityofnovi.org</u>, 248-347-0459) to go before the Zoning Board of Appeals. The deadline for Zoning Board of Appeals applications is typically the **first** of the month.

FUTURE STEP: FINAL SITE PLAN SUBMITTAL

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

1. **Seven** Final Site Plan sets (<u>24" x 36", folded</u>) addressing ALL comments from Preliminary Site Plan Review.

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

FUTURE STEP: ELECTRONIC STAMPING SET SUBMITTAL AND RESPONSE LETTER

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

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

FUTURE STEP: STAMPING SET APPROVAL

Stamping sets will be required for this project. After having received all the review letters from City staff the applicant should make the appropriate changes on the plans and submit 12 size 24" x 36" copies, folded, with signature and seal (may be electronic) to the Community Development Department for final Stamping Set approval.

FUTURE STEP: PRE-CONSTRUCTION MEETING

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

CHAPTER 26.5

Chapter 26.5 of the City of Novi Code of Ordinances generally requires all projects be completed within two years of the issuance of any starting permit. Please contact Sarah Marchioni at 248-347-0430 for additional information on starting permits. The applicant should review and be aware of the requirements of Chapter 26.5 before starting construction. If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5607 or ccarroll@cityofnovi.org.

Christian Carroll, Planner



PLANNING REVIEW CHART: I-1, Light Industrial Zoning District

Review Date: May 22, 2023

Review Type: Revised Preliminary Site Plan Review

Project Name: JSP22-48 EXTRA SPACE SELF STORAGE DEVELOPMENT

Location: 21700 Novi Road; Parcel 50-22-35-101-016

Plan Date: April 10, 2023

Prepared by: Christian Carroll, Planner

E-mail: ccarroll@cityofnovi.org Phone: (248) 735-5607

Items in **Bold** need to be addressed by the applicant with next submittal. *Italicized* items should be noted.

Item	Required Code	Proposed	Meets Code	Comments
Zoning and Use Require	ements			
Master Plan (adopted July 27, 2017)	Local Commercial	Climate-Controlled Self-Storage Facility	TBD	Planning Commission will determine the compatibility of the use with the Special Land Use Request.
Zoning (Effective January 8, 2015, as amended)	I-1: Light Industrial	I-1, no change	Yes	
Uses Permitted (Sec 3.1.18.B & C)	Permitted uses in Sec. 3.1.18.B, Special Land Uses in Sec. 3.1.18.C	Climate-Controlled Self-Storage Facility	Yes	Special Land Use in the I- 1 Zoning District.
	nd Area Limitations (Sec. 3.1.18.	D)		
Frontage on a Public Street (Sec. 5.12)	Frontage on a Public Street is required.	Frontage on Novi Road	Yes	
Access to a Major Throughfare (Sec. 5.13)	Vehicular access shall be provided only to an existing or planned major thoroughfare or freeway service drive OR access driveway on other street type is not across street from existing or planned single-family uses.	Access to Novi Road – island removed	Yes	
Minimum Zoning Lot Size for each Unit in Ac (Sec 3.6.2.D)	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	Complies	Yes	
Maximum % of Lot Area Covered (By All Buildings)	(Sec 3.6.2.D)	Complies	Yes	
Building Height (Sec. 3.1.19.D)	40 feet maximum, refer to TA18.299 standards	40 feet	Yes	
Building Setbacks (Sec	. 3.1.18.D)			
Front (West)	40 feet	50 feet	Yes	
Interior Side (North)	20 feet	23 feet	Yes	
Interior Side (South)	20 feet	50 feet	Yes	

JSP22-48 EXTRA SPACE SELF STORAGE DEVELOPMENT

Revised Preliminary Site Plan Review

Rear (East) 20 feet 50 feet Yes Parking Setbacks (Sec. 3.1.18.D) Refer to applicable notes in Sec. 3.6.2 Front (West) 40 feet (See 3.6.2.E) NA NA Interior Side (North) NA 10 feet NA No parking abutting Interior Side (South) 10 feet NA NA property lines. 10 feet NA NA Rear (East) Note to District Standards (Sec. 3.6.2) All exterior side yards **Exterior Side Yard** abutting a street shall be **Abutting a Street** Complies Yes provided with a setback (Sec 3.6.2.C) equal to front yard. The site is a minimum 2 acre Applicant is not 4.3 acres NA site proposing. Does not extend into the NA None shown minimum required front yard Cannot occupy more than Off-Street Parking in 50% of the area between None shown NA **Front Yard** min. front yard setback & (Sec 3.6.2.E) bldg. setback. Must be screened by brick wall or landscaped berm 2.5 None shown NA Lighting compatible with Complies Yes See Photometric review. surrounding neighborhood Off-street parking is allowed in side and rear yards if the site does not abut residential. If it does. Off-Street Parking in additional conditions apply: Side and rear do Side and Rear Yards NA not abut residential shall not occupy more than (Sec 3.6.2.F) 50% of side yard area abuttina residential parking setback no less than 100 ft from residential district I-1 and I-2 districts, five (5) feet of horizontal setback for Setback from 50 foot setback – each foot of building height, Residential District existing and or one-hundred (100) feet, Yes **Building** separated by whichever is greater. (unless (Sec 3.6.2.H) throughfare separated by a thoroughfare or RR ROW) A setback of 25ft from May encroach on 25 foot Wetland/Watercourse wetland buffer, which wetlands and from high Wetland setback Yes Setback (Sec 3.6.2.M) watermark course shall be shown would require maintained administrative approval. Additional heights for selected buildings are **Additional Height** allowed based on NA Does not apply (Sec 3.6.2.0) conditions listed in Sec 3.6.2.0 Parking setback Required parking setback area shall be landscaped screening NA Does not apply (Sec 3.6.2.P) per Sec. 5.5.3. **Modification of** The Planning Commission Does not apply NA

manulaim ar a alla ar a l	no ou con o olife de suddie en elle elle			
parking setback	may modify parking setback			
requirements (Sec	requirements based on			
3.6.2.Q)	conditions listed in Sec.			
	3.6.2.Q			
Climate-Controlled Sel	f-Storage Facilities (Sec. 4.51.2,	<u>amended TA18.299 at</u>	tached)	
	The minimum size of the site			
	devoted entirely to such use			
	shall be a minimum of two			
Minimum Site Size	(2) acres unless the site	4.3 acres	Yes	
(Sec. 4.51.2.A)	abuts a residential zoning			
	district in which case the site			
	shall be a minimum of three			
	(3) acres.	of Soction 2.1.10 Con		
	Notwithstanding the provisions			
	Section 3.1.19.B, climate-contr	_		
	may be allowed as a special I			
	residentially zoned property ur For any property separated		ilu.	
	by a major thoroughfare or	Separated by a		
	railroad right-of-way from a	major throughfare	Yes	
	residential zoning district.			
	Any building or portion of			
	building shall be setback a			
	minimum of 40 feet from the			
	property line abutting a			
	residential district, and shall	Building setback of		The building height is ~17
	have a maximum height of	50 feet. The	feet from 50 feet to ~280	
Abutting Residential	25 feet; provided, however,	maximum building		feet setback from the
(Sec. 4.51.2.B)	that for every additional 5	height of 40 feet is	Yes	front property line. The
,	feet of building setback from	allowed at 115 foot		building height is 40 feet
	the property line greater	setback		after ~280 feet.
	than 40 feet, the maximum			
	building height may be			
	increased 1 additional foot,			
	up to 40 feet in height.			
	Leasing office hours shall be	Leasing office are		
	limited to the hours between	8am to 6pm		
	8:00 a.m. to 6:00 p.m.	Monday through		
	Monday through Saturday.	Saturday. Facility	Yes	
	Facility access hours shall be	access hours are	103	
	limited to the hours between	7am to 10pm		
	7:00 a.m. to 10:00 p.m.	Monday through		
	Monday through Sunday.	Sunday.		
	All ingress and egress from			
Ingress/Egress (Sec.	the site shall be directly onto	Camanilian	V-6	
4.51.2.C)	a major thoroughfare as	Complies	Yes	
	designated on the City's			
	Master Plan.			
	Building setbacks shall comply with the standards			
Building Setbacks	as set forth in the I-1, Light			
(Sec. 4.51.2.D)	Industrial, or I-2, General	Complies	Yes	
[000. 7.01.2.0]	Industrial district, as			
	applicable.			
L	друшсавю.	I	<u> </u>	

Storage of Combustible Materials (Sec. 4.51.2.E)	No storage of combustible or flammable liquids, combustible fibers, or explosive materials as defined in the fire prevention code, or toxic materials, shall be permitted within the self-storage buildings or upon the premises. A lease agreement between the lessee and lessor shall state (1) that no flammable, combustible or toxic material shall be stored or used on premises, and (2) that the property shall be subject to periodic and unannounced inspections for flammable, toxic and other hazardous materials by City officials.	Note provided	Yes
Outdoor Storage (Sec. 4.51.2.F)	No storage outside of the self-storage buildings shall be permitted.	Note provided	Yes
Uses Not Permitted (Sec. 4.51.2.G)	Except as provided herein, the use of the premises shall not be used for maintaining or repairing of any vehicles and any other uses as determined by the Planning Commission.	Note provided	Yes
	Any principal permitted use in the Light Industrial (I-1) district may be permitted in a mixed-use climate-controlled self-storage facility, subject to the following conditions:	Not proposed	NA
Mixed-Use Provision	If the gross leasable area of such use(s) is less than 10% of the total gross leasable area of the overall building, and;	Not proposed	NA
(Sec. 4.51.2.H)	If such uses are not associated with the self-storage use of the site, the Planning Commission may require additional amenities with such use(s), and taking into consideration the compatibility of the proposed use with the existing uses of the site and surrounding sites, whether there is adequate parking	Not proposed	NA

			1	_
	for the combination of uses, and adequate pedestrian connectivity of the use to other uses on the site.			
	Limited retail sales to tenants of products and supplies incidental to the principal use, such as packing materials, packing labels, tape, rope, protective covers, and locks and chains shall be permitted within a building on the site devoted to this use.	Not proposed	NA	
Landscaped Greenbelt (Sec. 4.51.2.1)	At a minimum, a 25 foot wide landscaped greenbelt is required where the site abuts a residential zoning district or office zoning district. In addition, at least 2 of the required canopy or evergreen trees must be planted between the road right-of-way and building to soften the effects of the building on the abutting residential areas. The Planning Commission may require additional screening measures as necessary.	Provided on plans	Yes	The Planning Commission may require additional screening, as necessary.
Site Access (Sec. 4.51.2.J)	All access aisles, parking areas and walkways on the site shall be graded, drained, hard-surfaced and maintained in accordance with the standards and specifications of the City of Novi.	Complies	Yes	
Minimum Driveway Widths (Sec. 4.51.2.K)	Notwithstanding the required fire codes, the following minimum driveway widths shall apply: All oneway driveways shall be designed with one ten-footwide loading/unloading lane and one 15-foot travel lane, all two-way driveways shall be designed with one ten-foot-wide loading/unloading lane and two 12-foot travel lanes, the parking lanes may be eliminated if the driveway does not serve storage units,	One-Way: 20 feet, Two-Way: 24 feet	Yes	

Fire Suppression (Sec. 4.51.2.L)	signs and painted lines shall be used to indicate parking and traffic direction throughout the site. Fire hydrants and fire suppression devices shall be provided, installed and maintained in compliance with the fire prevention code and any other applicable	Appears to comply	Yes	Refer to Fire Review.
Maximum Building Height (Sec. 4.51.2.M)	ordinances. The maximum building height shall be consistent with the zoning district that the site is located within.	Shall comply	Yes	
Façade Materials (Sec. 4.51.2.N)	Exterior building walls visible from a public right-of-way or nonindustrial district shall be finished with brick or other high-quality masonry materials as permitted in Section 5.15.	New addition is substantially compliant, old building is not.	TBD	A Section 9 Façade Waiver for the overage of EIFS on the west façade and the overage of CMU on the north and east facades is supported by the City's Façade Consultant.
Security Provisions (Sec. 4.51.2.0)	A demonstrated means of security and management shall be provided.	Provided in response	Yes	
Site Lighting (Sec. 4.51.2.P)	Any proposed site lighting shall comply with the requirements of Section 5.7. In particular, the standards of Section 5.7.3.L shall apply when a site abutting a residential district or use.	Complies	Yes	See Photometric Review.
I-1 District Required Co	enditions (Sec. 3.14, only applica	able sections included.		
Other (Sec 3.14.2)	Unless otherwise provided, dealing directly with consumer at retail, is prohibited.	Limited Retail component, permitted	Yes	Refer to Self-Storage section for more information.
Planning Commission	The scale, size, building design, facade materials, landscaping and activity of the use is such that current and future adjacent residential uses will be protected from any adverse impacts.	Shall comply	TBD	Planning Commission will decide as part of the Special Land Use Request.
Findings (Sec 3.14.3)	The intended truck delivery service can be effectively handled without long term truck parking on site.	Shall comply	TBD	Planning Commission will decide as part of the Special Land Use NOTED Request.
	The lighting, noise, vibration, odor and other possible impacts are in compliance with standards and intent of	Shall comply	TBD	Planning Commission will decide as part of the Special Land Use NOTED Request.

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	Hate and the Co			
	this article and performance standards of Section 5.14.			
	The storage and/or use of any volatile, flammable or other materials shall be fully identified in application and shall comply with any city ordinances regarding toxic or hazardous materials.	Haz chem survey submitted	Yes	
	There is compliance with the City's hazardous materials checklist for required submittal data.	Haz chem survey submitted	Yes	
Adjacent to Residential (Sec. 3.14.5)	-No truck well, loading dock or door, shall be permitted on or in the wall of the building which faces the abutting residential district and only pedestrian exits or emergency doors shall be allowed on such wall. -All loading/unloading docks and truck wells shall be placed on or in the wall of the building that is opposite the boundary of the residential district or on the wall that lies approximately at a ninety (90) degree angle to the residential district boundaryIf such dock, truck well and/or dock faces the front street, then such dock, truck well or door shall be recessed by not less than sixty (60) feet from the front wall of the building in order to provide that a semitrailer truck tractor and cab shall not, when in place for loading or unloading at the dock or well, project past the front wall of the buildingDriveways shall be designed in such a manner to discourage semi-trailer truck traffic access to that portion of the lot or site that is adjacent to a residential district.	No truck well or loading dock is proposed. Semi-Truck access appears to be limited in nature.	Yes	
	-No outside storage of any materials, equipment, trash or waste shall be permitted,	Complies	Yes	

except dumpsters may be permitted outdoors where properly screened pursuant to the requirements of this Ordinance, as amended, or revised. Refuse pick-up shall be limited to the hours of 7:00 a.m. to 5:00 p.m., prevailing time. -All off-street parking and areas used for vehicular repair, delivery, loading/unloading and transport shall be not closer than one-hundred (100) feet from the boundary of a residential district and effectively screened from view from said residential district by landscaping, walls or berms pursuant to the requirements of Section 3.14.5.E. Notwithstanding the restriction of Section 3.6.2.E-F, the Planning Commission may permit front yard and side yard parking where necessary to maintain the separation required by this			
subsection. The maximum heights of any building constructed on a lot or site adjacent to a residential district shall be twenty-five (25) feet, except where there is a street, road, highway or freeway between said lot or site and the abutting residential district.	Separated by street	Yes	
Exterior site lighting as regulated by Section 5.7. In addition, where a building wall faces an abutting residential district there shall be no floodlighting of such facade. This shall not preclude the lighting of doorways on such facades.	Complies	Yes	See photometric review.
An earth berm and plantings are required, except that no additional berm shall be required along a street, road, highway or freeway	Complies	Yes	

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	that lies between said use			
	and an abutting residential			
	district.			
	Windows and doors of non-			
	office use areas			
	of structures in an I-1 district	Complies	Yes	
	may not be	•		
	left open.			
Parking and Loading Re				
Number of Parking	Self-Storage: 1 space per			
_		1/ 2000		
Spaces	100 storage units, 5 space	16 spaces	Yes	
(0 5 0 10 5)	minimum 924 units – 10	proposed		
(Sec. 5.2.12.E)	spaces required			
	- 90° Parking: 9 ft. x 19 ft.			
	- 24 ft. two way drives	9' x 18'		Perpendicular spaces are
Parking Space	- 9 ft. x 17 ft. parking spaces			
Dimensions and	allowed along 7 ft. wide	perpendicular and	V	compliant, but are
Maneuvering Lanes	interior sidewalks as long as	9' x 23' parallel	Yes	preferred to either be 9' x
(Sec. 5.3.2)	detail indicates a 4" curb at	loading/unloading		17' with 4" curb or 9' x 19'
130.0.0.2,	these locations and along	spaces		with 6" curb.
	landscaping			PARKING SPACES TO BE
	End Islands with landscaping			REVISED TO 9' x 17' W/ 4" CURB
	. •			
	and raised curbs are			
	required at the end of all			
	parking bays that abut	None shown		
End Islands	traffic circulation aisles.	(landscaped areas		
(Sec. 5.3.12)	The end islands shall	are adjacent with	Yes	
(360. 3.3.12)	generally be at least 8 ft.	_		
	wide, have an outside radius	curbing)		
	of 15 ft., and be constructed			
	3 ft. shorter than the			
	adjacent parking stall			
	Shall not be located closer			
Parking stall located				
adjacent to a	than twenty-five (25) feet			
parking lot entrance	from the street right-of-way	Complies	Yes	
(public or private)	(ROW) line, street easement	•		
(Sec. 5.3.13)	or sidewalk, whichever is			
(55.5.5.5)	closer			
Barrier Free Spaces	Based on the requirement of			
(Barrier Free Code)	16 spaces, 1 van-accessible	2 van accessible	Yes	
(Bamer Free Code)	space is required			
	8' wide with an 8' wide			
	access aisle for van			May be reduced to 8'
Barrier Free Space	accessible spaces	9' wide with 8'		with an 8' aisle for van
Dimensions	- 8' wide with a 5' wide	access aisle	Yes	accessible or 5' for non-
(Barrier Free Code)		access aisie		
	access aisle for regular			van accessible.
Daniela i Francos	accessible spaces	Claration of the M		
Barrier Free Signs	One sign for each	Shown – detail	Yes	
(Barrier Free Code)	accessible parking space.	provided	1	
Minimum number of	Industrial: Five (5) percent of	Four spaces		
Bicycle Parking	required automobile spaces,	provided	Yes	
(Sec. 5.16.1)	minimum two (2) spaces	provided		
Bicycle Parking	No farther than 120 ft. from	Committee	V	
General requirements	the entrance being served	Complies	Yes	
	, , , , , , , , , , , , , , , , , , , ,	I.	<u> </u>	ı

(Sec. 5.16)	When 4 or more spaces are required for a building with multiple entrances, the spaces shall be provided in multiple locations	Complies	Yes	
	Spaces to be paved and the bike rack shall be inverted "U" design, 36" tall	Height not indicated	No	Please provide the height, 36" minimum. BIKE RACK HEIGH ADDED TO DETAIL
	Shall be accessible via 6 ft. paved sidewalk	7 foot sidewalk adjacent to spaces, leaving 5 feet	No	5 foot path to public sidewalk should be widened to 6 feet to improve bicycle access.
Bicycle Parking Lot layout (Sec 5.16.6)	Parking space width: 6 ft. One tier width: 10 ft. Two tier width: 16 ft. Maneuvering lane width: 4 ft. Parking space depth: 2 ft. single, 2 ½ ft. double	Complies	Yes	PATH TO PUBLIC SIDEWALK HAS BEEN WIDENED TO 6'
Loading Spaces (Sec. 5.4.3)	All loading and unloading operations shall be conducted in the rear yard, except in those instances where: - The Industrial district abuts a residential district, in which case, the conditions of Section 3.14.5 shall apply, or, - An interior side yard is located adjacent to I district, EXPO district, or EXO Overlay district property, loading and unloading may be conducted in that interior side yard when located near the rear of the building. When loading and unloading is to be conducted within an interior side yard, the City may require aesthetic screening of the facility in accordance with the guidelines set forth in Section 5.5.	No loading and unloading outdoors shown	Yes	
Dumpster, Accessory S	tructures, and Rooftop Equipme	nt (Sec. 4.19)		
Dumpster (Sec 4.19.2.F)	-Located in rear yard -Attached to the building or no closer than 10 ft. from building if not attached -Not located in parking setback -If no setback, then it cannot be any closer than 10 ft, from property line.	In the side yard, 15 foot setback	No	Zoning Board of Appeals Variance would be needed for the current dumpster location. The variance would be supported by staff as the proposed location has minimal impact on site woodlands and wetlands.

WE WILL SEEK A VARIANCE FROM THE ZONING BOARD OF APPEALS.

JSP22-48 EXTRA SPACE SELF STORAGE DEVELOPMENT Revised Preliminary Site Plan Review

	-Away from Barrier free			
Dumpster Enclosure (Sec. 21-145. (c) Chapter 21 of City Code of Ordinances)	Spaces -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	Complies	Yes	
Roof top equipment and wall mounted utility equipment (Sec. 4.19.2.E.ii)	shrubbery 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	Rooftop equipment is screened	Yes	
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.	Rooftop equipment is screened	Yes	
Sidewalks	гогаајасетт ргорену.			
Non-Motorized Plan	5 foot wide sidewalk required on Novi Road.	5 foot sidewalk existing	Yes	
Public Sidewalks (Chapter 11, Sec.11- 256(b))	Connection from property to main sidewalk system is required.	Complies	Yes	
	main sidewalk system is required.	Complies	Yes	
(Chapter 11, Sec.11- 256(b))	main sidewalk system is required.	11 woodland replacement	Yes	See Woodland Review.
(Chapter 11, Sec.11- 256(b)) Building Code and Oth Woodlands	main sidewalk system is required. er Requirements Replacement of removed	11 woodland		See Woodland Review. See Wetland Review.
(Chapter 11, Sec.11-256(b)) Building Code and Oth Woodlands (City Code Ch. 37) Wetlands (City Code Ch. 12,	main sidewalk system is required. er Requirements Replacement of removed trees Mitigation of removed wetlands at ratio of 1.5:1 emergent wetland, 2:1 for forested wetlands over .25	11 woodland replacement credits Plan provided – no mitigation	Yes	

		<u> </u>	1	Т
	footage of pavement area			
	(indicate public or private).			
	- Total cost of the proposed			
	building & site improvements			
Economic Impact	- Number of anticipated jobs	Not provided	TBD	Provide prior to Planning
Information	created (during construction	Not provided	טפו	Commission.
	& after building is occupied,			project entails a total investment by the
	if known)			eloper of \$20,883,000, inclusive of the land
	Building exits must be			 The development cost is \$17,100,000 what is the construction, site and landscaping
Building Exits	connected to sidewalk	Connected	Yes cost	s, as well as the financing costs and operat
boliding Exils	system or parking lot.	Comiccica	rese	erves. Construction costs and Site hard cos
	The leading edge of the sign			\$12,862,000. The construction of the project generate approximately 150 temporary jobs
				a 14 month period, and 2-3 permanent job
	structure shall be a minimum			e the business has opened.
	of 10 ft. behind the right-of-	Not shown – to be		Contact Maureen
Development/	way. Entranceway shall be a	reviewed by Code		Underhill at 248.735.5602
Business Sign	maximum of 24 square feet,	Compliance	NA	or
	measured by completely	Division when	1 1 1 1	munderhill@cityofnovi.org
(City Code Sec 28.3)	enclosing all lettering within			for more information.
	a geometric shape.	ready.		Tor more information.
	Maximum height of the sign			
	shall be 5 ft.			
	Some projects may need			Contact Ben Peacock at
Project & Street	approval from the Street &	Submitted	TBD	248.347.0475 or via email
Naming Committee	Project Naming Committee	Jobninea	100	bpeacock@cityofnovi.org
Lighting and Photomet				<u>DDCCCCCR@CIIyOIIIOVI.OIG</u>
Lighting and Tholomer	Establish appropriate		1	
	1			
	minimum levels, prevent			
Interd (Co. 5, 7, 1)	unnecessary glare, reduce	Provided Yes	V	
Intent (Sec. 5.7.1)	spillover onto adjacent		res	
	properties & reduce			
	unnecessary transmission of			
	light into the night sky			
	Site plan showing location of			
Lighting Plan	all existing & proposed			
	buildings, landscaping,	Provided	Yes	
(Sec. 5.7.A.i)	streets, drives, parking areas			
	& exterior lighting fixtures			
	Relevant building elevation			
	drawings showing all fixtures,			
	the portions of the walls to			
Building Lighting	be illuminated, illuminance	Complies	Yes	
(Sec. 5.7.2.A.iii)	levels of walls and the	Complies	103	
	aiming points of any remote			
	fixtures.			
	Specifications for all			
	proposed & existing lighting	Provided	Yes	
	fixtures			
Lighting Plan	Photometric data	Provided	Yes	
Lighting Plan	Fixture height	25 feet	Yes	
(Sec.5.7.A.2.ii)	Mounting & design	Provided	Yes	
	Glare control devices			
	(Also see Sec. 5.7.3.D)	Provided	Yes	
	Type & color rendition of			
	* *	Provided	Yes	
	lamps			

	Hours of operation	Hours provided	Yes
	Photometric plan illustrating	Houis provided	163
	all light sources that impact the subject site, including spill-over information from neighboring properties	Provided where possible	Yes
Maximum Height (Sec. 5.7.3.A)	Height not to exceed maximum height of zoning district (or 25 ft. where adjacent to residential districts or uses).	25 feet maximum	Yes
Standard Notes (Sec. 5.7.3.B)	-Electrical service to light fixtures shall be placed underground -Flashing light shall not be permitted -Only necessary lighting for security purposes & limited operations shall be permitted after a site's hours of operation	Provided on plans	Yes
Security Lighting (Sec. 5.7.3.H)	-All fixtures shall be located, shielded and aimed at the areas to be securedFixtures mounted on the building and designed to illuminate the facade are preferred -Lighting for security purposes shall be directed only onto the area to be secured.	Complies	Yes
Average Foot Candles (Sec.5.7.3.E)	Average light level of the surface being lit to the lowest light of the surface being lit shall not exceed 4:1	3.5:1 fc	Yes
True Color (Sec. 5.7.3.F)	Use of true color rendering lamps such as metal halide is preferred over high & low pressure sodium lamps	Complies	Yes
	Parking areas: 0.2 min	0.6 fc	Yes
Min. Illumination	Loading & unloading areas: 0.4 min	NA	NA
(Sec. 5.7.3.k)	Walkways: 0.2 min	0.2 fc	Yes
,	Building entrances, frequent use: 1.0 min	2 fc	Yes
	Building entrances, infrequent use: 0.2 min	0.2 fc	Yes
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	Complies	Yes
Cut off Angles (Sec.	When adjacent to	Complies – note	Yes

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Revised Preliminary Site Plan Review

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5.7.3.L)	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	provided	
	•		

NOTES:

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



PLAN REVIEW CENTER REPORT

05/16/2023

Engineering Review

Extra Space Self Storage JSP22-0048

Applicant

Novi Development Company

Review Type

Revised Preliminary Site Plan

Property Characteristics

Site Location: 21700 Novi Road, Novi, MI. (S. of 9 Mile Rd. & E. of Novi Rd.)

Site Size: 4.30 acresPlan Date: 5/12/2023

Design Engineer: Bluewater Civil Design PLLC

<u>Project Summary</u>

- Construction of an approximately 100,200 square-foot commercial storage building and associated parking. Site access would be provided via the existing driveway for the site roadways.
- Water service would be provided by an 8-inch extension from the existing 12-inch water main along the East side of Novi Road. There are no proposed changes to the existing 8-inch fire lead to the existing building. The proposed 8-inch water main will serve 2 additional hydrants.
- There are no proposed changes to the Sanitary sewer service.
- Storm water would be collected by a single storm sewer collection system and discharged to an on-site detention basin before being released to Thornton Creek.

Recommendation

Approval of the Revised Preliminary Site Plan and the Preliminary Storm Water Management Plan is recommended, with items to be addressed at the final site plan submittal.

Comments:

The Revised Preliminary Site Plan meets the general requirements of Chapter 11 of the Code of Ordinances, the Storm Water Management Ordinance, and the Engineering Design Manual with the following exceptions, which can be addressed at the final site plan submittal:

<u>General</u>

TIES HAVE BEEN ADDED TO SURVEY

- 1. Provide a minimum of two ties to established section or quarter section corners.
- 2. Provide at least two reference benchmarks at intervals no greater than 1,200 At least one referenced benchmark must be a City-established benchmark, which can be found on the City's website at this location: https://novi.maps.arcgis.com/apps/webappviewer/index.html?id=5ce841f86197 461c9f146e1330330bcf BENCHMARKS ADDED TO SURVEY
- 3. A sheet index shall be provided on the cover sheet. The current sheet index does not include all sheets in the plan set. ADDITIONAL SHEETS HAVE BEEN ADDED TO COVER SHEETS
- 4. Only at the time of the printed Stamping Set submittal, provide the City's standard detail sheets for water main (5 sheets), sanitary sewer (3 sheets), storm sewer (2 sheets), paving (2 sheets) and Boardwalks/Pathways (1 sheet). The most updated details can be found on the City's website at this location: https://cityofnovi.org/services/public-works/engineering-division/engineeringstandards-and-construction-details WILL BE INCLUDED WITH FINAL STAMPING SET SUBMITTAL

THIS HAS BEEN

- 5. A right-of-way permit will be required from the City of Novi and Oakland County.

 APPLIED FOR
- 6. Show and label the master planned 60-foot half width right-of-way for Novi Road. Label the additional right-of-way width to be dedicated along Novi Road as "proposed" right-of-way. This has been applied for
- 7. The compacted sand backfill (MDOT sand Class II) should be placed above all utilities within the influence of paved areas and illustrate on the profiles. ADDED TO STORM DRAINAGE PROFILES
- 8. Provide a utility crossing table indicating that at least 18-inch vertical clearance will be provided, or that additional bedding measures will be utilized at points of conflict where adequate clearance cannot be maintained. Label all utility crossings in the plan view. ADDED TO C301
- 9. All light poles in a utility easement will require a License Agreement. NOTED

Water Main

- 10. The proposed water main easement shall include all proposed hydrants. Revise the proposed easement accordingly. EASMENT LOCATION HAS BEEN REVISED TO INCLUDE HYDRANTS
- 11. The water main shall be placed so that no utility is placed within 10-feet of the water main (outside of pipe to outside of pipe). WATER MAIN LOCATION HAS BEEN REVISED
- 12. Label the pipe lengths of the proposed water main in plan view. ADDED TO PLAN VIEW
- 13. The proposed water main shall be a minimum of 6-feet buried depth. WATER MAIN PROFILE HAS BEEN REVISED
- 14. Show and label the proposed compacted sand backfill above the proposed water main under the influence of the pavement. BACKFILL ADDED TO WATER MAIN PROFILE
- 15. The proposed water main shall terminate at a hydrant, remove proposed blowoff valves. BLOW OFF VALVES HAVE BEEN REMOVED
- 16. Provide water main modeling calculations demonstrating that the required water supply of 4,000 GPM will be available. HYRANT TEST TO BE ORDERED
- 17. Per current EGLE requirement, provide a profile for all proposed water main 8inch and larger. PROFILES HAVE BEEN ADDED TO SITE PLANS

PIPES. THESE PIPES WITH 2'-3' OF COVER HAVE BEEN CALLED OUT AS

Extra Space Self Storage JSP22-0048

- 18. The shut-off valves for the hydrant assemblies are not to be in wells. Refer to the City's standards and details for further information. SHUT OFF VALVES HAVE BEEN REVISED
- 19. In the water main profiles add the following note: "Per the Ten States Standards Article 8.8.3, one full 20-foot pipe length of water main shall be used whenever storm sewer or sanitary sewer is crossed, and the pipe shall be centered on the crossing, in order to ensure 10-foot separation between water main and sewers." Additionally, show the 20-foot pipe lengths on the profile.

NOTE ADDED TO PROFILES

Sanitary Sewer

20. The proposed and/or existing sanitary sewer was not reviewed as part of this submittal. NOTED

DUE TO ELEVATION CONSTRAINTS ON SITE. FALL CAN NOT BE ACHIEVED ON STORM SEWER SYSTEM TO GET 3' OF COVER ON ALL

Storm Sewer

- 21. **As discussed**, A minimum cover depth of 3 feet shall be maintained over all proposed storm sewer. Currently, a few pipe sections do not meet this standard. Grades shall be elevated, and minimum pipe slopes shall be used to maximize the cover depth. In situations where the minimum cover <u>cannot</u> be achieved, Class V pipe must be used with an absolute minimum cover depth of 2 feet. An explanation shall be provided where the cover depth cannot be provided.
- 22. Provide a four-foot-deep sump and an oil/gas separator in the last storm structure prior to discharge to the storm water basin. SHOWN ON PROFILES
- 23. Label the 10-year HGL elevation on the storm sewer profiles and ensure the HGL remains at least 1-foot below the rim of each structure. SEE SWMR
- 24. Provide the casting type in the structure table. Round castings shall be provided on all catch basins except curb inlet structures. ADDED TO STRUCTURE TABLE
- 25. Show and label the proposed compacted sand backfill above the proposed storm sewer under the influence of the pavement. ADDED TO PROFILES
- 26. The minimum slope for 18-inch pipe shall be 0.18%. Currently the pipe between A1.1 and A1 does not meet this standard. PIPE SLOPE HAS BEEN REVISED
- 27. Two profiles are cut-off on sheet C203. PROFILES HAVE BEEN REVISED

Storm Water Management Plan

- 28. Provide the calculations on the plans for the Storm Water Management Plan as a part of the plan set including:
 - a. Detention and forebay sizing calculations (per City standards). CALCULATIONS HAVE BEEN INCLUDED IN STORMWATER MANAGEMENT REPORT
 - b. Release rate calculations for the three design storm events (first flush, bank full, 100-year).

 RELEASE RATE CALCULATIONS HAVE BEEN INCLUDED IN STORMWATER MANAGEMENT REPORT
- 29. The outlet standpipes shall be designed with a secondary outer pipe with numerous holes. The stone filter would rest against this outer pipe and would help protect the outlet standpipe from clogging. STANDPIPE WITH STONE FILTER ADDED TO PLANS
- 30. Provide a soil boring in the vicinity of the storm water basin to determine soil conditions and to establish the high-water elevation of the groundwater table. Note the bottom of the detention facility must be a minimum of three (3) feet above the groundwater elevation.

PER DISCUSSIONS WITH THE CITY AND DUE TO HIGH WATER TABLE ELEVATIONS, MAINTAINING A POND BOTTOM OF AT LEAST 3' WOULD MAKE DETENTION ON SITE UNFEASABLE. FROM OTHER BORING LOCATIONS ON SITE, GW TABLE IS ~ 830. EXISTING FFEL IS 836.83

Paving & Grading

- 31. Show the sidewalk being removed/replaced to complete the water main COnstruction, SIDEWALK REMOVAL/REPLACEMENT ADDED TO PLANS
- 32. Provide the City detail for the emergency access gate. Provide a note on the plan stating that the emergency access gate is to be installed and closed prior to the issuance of the building permit. DETAIL ADDED TO PLANS
- 33. Provide the MDOT sidewalk ramp details in the plan set. Remove any detail that does not reflect these details. DETAIL ADDED TO PLANS
- 34. Detectable warning plates are required at all barrier free ramps, hazardous vehicular crossings and other areas where the sidewalk is flush with the adjacent drive or parking pavement. The barrier-free ramps shall comply with current MDOT specifications for ADA Sidewalk Ramps. Provide the latest version of the MDOT standard detail for detectable surfaces. DETECTABLE WARNING PLATES ADDED TO PLANS
- 35. Label specific ramp locations on the plans where the detectable warning surface is to be installed. CALL OUTS ADDED TO PLANS
- 36. Specify the product proposed and provide a detail for the detectable warning surface for barrier free ramps. The product shall be the concrete-embedded detectable warning plates, or equal, and shall be approved by the Engineering Division. Stamped concrete will not be acceptable. CALL OUTS ADDED TO PLANS
- 37. Verify the slopes along the ingress/egress routing to the building from the barrier-SLOPES free stalls. All barrier-free stalls shall comply with Michigan Barrier-Free regulations. PLANS
- 38. Site grading shall be limited to 1V:4H (25-percent), excluding landscaping berms. SLOPES REVISED
- 39. Provide a line designation representing the effective 19-foot stall length for 18foot perimeter stalls. LINE DESIGNATION ADDED TO PLANS
- 40. Curbing and walks adjacent to the end of 18-foot stalls shall be reduced to 4inches high (rather than the standard 6-inch height to be provided adjacent to 19-foot stalls). Provide additional details as necessary. CURB JUMP REVISED TO 4"
- 41. The proposed retaining wall design shall be signed and sealed by the design engineer responsible for the design and all associated calculations.

Soil Erosion and Sediment Control

42. The SESC package has been received and will be reviewed separately from this review. NOTED

NOTED

Agreements

43. A license Agreement will be required for the light poles proposed within the water main easement. The agreement shall state that the wall and all site facilities within the influence of the wall that may be removed or damaged in the event the utility requires maintenance will be the responsibility of the property owner to repair or replace. Additionally, a cross-section shall be included with the agreement showing the distance between the wall foundation and the utility. A template agreement is available from the Engineering Division. **NOTED**

The following must be submitted with the Final Site Plan:

- 44. A letter from either the applicant or the applicant's engineer must be submitted with the Stamping Set highlighting the changes made to the plans addressing each of the comments listed above and indicating the revised sheets involved.

 Additionally, a statement must be provided stating that all changes to the plan have been discussed in the applicant's response letter. NOTED
- 45. An itemized construction cost estimate must be submitted to the Community Development Department for the determination of plan review and construction inspection fees. This estimate should only include the civil site work and not any costs associated with construction of the building or any demolition work. The estimate must be itemized for each utility (water, sanitary, storm sewer), on-site paving (square yardage), right-of-way paving (including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pretreatment structure and restoration). NOTED

The following must be submitted with the Stamping Set:

(Please note that all documents must be submitted together as a package with the Stamping Set submittal with a legal review transmittal form that can be found on the City's website. Partial submittals will <u>not</u> be accepted.)

- 46. A draft copy of the Storm Drainage Facility Maintenance Easement Agreement (SDFMEA), as outlined in the Storm Water Management Ordinance, must be submitted to the Community Development Department. Once the agreement is approved by the City's Legal Counsel, this agreement will then be sent to City Council for approval/acceptance. The SDFMEA will then be recorded at the office of the Oakland County Register of Deeds. This document is available on our website.
- 47. A draft copy of the 20-foot-wide easement for the water main to be constructed onsite must be submitted to the Community Development Department. This document is available on our website. NOTED
- 48. A draft copy of the warranty deed for the additional proposed 60-foot wide right-of-way along Novi Road must be submitted for review and acceptance by the City. NOTED

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 with any questions.

Adam Yako

Project Engineer



PLAN REVIEW CENTER REPORT

April 17, 2023

Extra Space Self Storage

Revised Preliminary Site Plan - Landscaping

Review Type Job #
Revised Preliminary Site Plan Landscape Review JSP22-0048

Property Characteristics

• Site Location: 21700 Novi Road

Site Acreage: 4.30 ac.Site Zoning: I-1

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

• Plan Date: 3/31/2023

Ordinance Considerations

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in bold below must be addressed and incorporated as part of the revised Preliminary Site Plan submittal and <u>underlined</u> 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.

Recommendations:

This project is recommended for approval for Preliminary Site Plan, contingent on the shortages that require landscape waivers being corrected. If they are not, then the project is not recommended for approval.

LANDSCAPE WAIVERS REQUIRED FOR PROPOSED LAYOUT:

- Lack of shrubs around the west pond and deficiency in shrub coverage on the east pond not supported by staff
- Lack of accessway perimeter trees along the north edge property line north of the buildings (10 trees) – supported by staff
- Deficiency in accessway perimeter trees provided elsewhere on the site not supported by staff.

Please add the City Project Number (JSP22-48) to the Cover **Sheet's** bottom right corner.

Ordinance Considerations

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

- 1. Provided
- 2. Please correct the table as described on the landscape chart. Chart will be revised.
- 3. Please show the proposed conservation easement boundary on the landscape plan.

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

- 1. The project is not adjacent to residentially-zoned property a screening berm is not required.
- 2. The special landscaping requirement for Self-storage facilities facing residential property across Novi Road has been met.

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

- 1. The required greenbelt width is not provided between the building and the right-of-way, but as this is an existing condition that is not being increased, it is accepted.
- 2. All required greenbelt landscaping is provided.
- 3. The proposed street trees may not be able to be planted due to existing utilities. If they aren't, a landscape waiver is not required. Please show the existing underground utility lines on the landscape plan to confirm that the trees can't be planted. Will confirm with survey.

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

- 1. All required parking lot landscaping is provided.
- 2. The site's accessway perimeter plantings are deficient, which requires a landscape waiver. Staff would support a landscape waiver for the missing trees along the north side of the drive north of the buildings as there isn't room for them, but not for the rest of the site.
- 3. Please request a waiver for the trees along the north side of the north drive and add (or reclassify) all remaining perimeter trees to the plan as described on the landscape chart.

Building foundation Landscaping (Zoning Sec 5.5.3.D)

All required foundation landscaping is provided.

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

- 1. No shrubs are provided around the west pond.
- 2. The coverage of the east pond is not sufficient larger masses providing a total of at least 70% coverage of the ponds (except along the building in the east pond) is required.
- 3. These deficiencies require a landscape waiver. It would not be supported by staff. Will add shrubs as needed to meet the 70% coverage.

Plant List (LDM 4, 10)

- 1. Only 11 of 23 (47%) species used are native to Michigan. Please replace some nonnative species with native species to at least meet the 50% minimum required. Will change trees to meet 50% requirement.
- 2. The tree diversity requirement of LDM section 4 is met.

Planting Notations and Details (LDM 10)

Provided

Irrigation (LDM 10)

- 1. <u>If an irrigation system will be used, a plan for that system must be provided in the Final Site Plans.</u>Will draw a irrigation drawing once we have site plan approval.
- 2. <u>If other means (xeriscaping, hoses, etc.) will be used, information regarding that must be provided on the Final Site Plans.</u>

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



LANDSCAPE REVIEW SUMMARY CHART - Revised Preliminary Site Plan

Review Date: April 17, 2023

Project Name: JSP22 – 0048: Extra Space Self Storage

Plan Date: March 31, 2023

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

Phone: (248) 735-5621

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

LANDSCAPE WAIVERS REQUIRED FOR PROPOSED LAYOUT:

- No shrubs around the west pond and deficiency of shrubs around the east pond not supported by staff
- No accessway perimeter trees along the north property edge north of the building (10 trees) supported by staff
- Deficiency in accessway perimeter trees provided elsewhere on the site not supported by staff.

Please add the City Project Number (JSP22-48) to the Cover **Sheet's** bottom right corner.

Item	Required	Proposed	Meets Code	Comments			
Landscape Plan Requir	Landscape Plan Requirements (Landscape Design Manual (LDM) and Zoning Ordinance (Zoning Sec)						
Landscape Plan (Zoning Sec 5.5.2, LDM 2, 10)	 New commercial or residential developments Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less. 1"=20' minimum with proper North. Variations from this scale can be approved by LA Consistent with plans throughout set 	 Overall scale: 1"=30' Detail scale: 1"=20' 	Yes				
Project Information (LDM 10)	Name and Address	Yes	Yes				
Owner/Developer Contact Information (LDM 10)	Name, address and telephone number of the owner and developer or association	Yes	Yes				
Landscape Architect contact information (LDM 10)	Name, Address and telephone number of RLA/PLA/LLA who created the plan	Alphonse Barcia III	Yes				
Sealed by LA. (LDM 10)	Requires original signature	Copied seal and signature		Live signature of the LA will be required on the			

Item	Required	Proposed	Meets Code	Comments
				printed stamping sets.
Miss Dig Note (800) 482-7171 (LDM 10)	Show on all plan sheets	Yes	Yes	
Zoning (LDM 10)	Include all adjacent zoning	 Sheet LS-1 Parcel: I-1 North, South: I-1, East: R-4 (across RR tracks), West: R-3 (across Novi Rd) 	Yes	
Survey information (LDM 10)	Legal description or boundary line survey Existing topography	 Legal description on cover sheet Topo is only shown on Demo plan (Sheet C002) 	• Yes • No	Please add a topo sheet without any demolition comments
Existing plant material Existing woodlands or wetlands (LDM 10)	Show location type and size. Label to be saved or removed. Plan shall state if none exists.	Trees and tree chart on Sheet LS-0 Removals shown on Sheet LS-0	Will Revise • Yes • Yes	 Tree credits are only given for trees outside of a regulated woodland that are preserved – only credits for Trees 1 and 2 can be given. Please correct the table on Sheet LS-0. No replacements are required for the removed evergreens as they are not in a regulated woodland and aren't 36" dbh. Please draw a heavy line indicating the boundaries of the proposed woodland protection easement such as the pink line on the image at the bottom of this chart.
Soil types (LDM10)	 As determined by Soils survey of Oakland County Show types, boundaries 	Sheet LS-0	Yes	
Existing and proposed improvements (LDM 10)	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	Yes	Yes	
Existing and	Overhead and	Overhead wires	• Yes	Please show all utility

Item	Required	Proposed	Meets Code	Comments
proposed utilities (LDM 10)	underground utilities, including hydrants	are indicated along south property line. • The water, sanitary and storm sewer lines along Novi Road are not shown	• No	lines, including underground lines on the landscape plans – there are sanitary and water lines traveling along Novi Road. Will add to Survey
Proposed grading. 2' contour minimum (LDM 10)	Provide proposed contours at 2' interval	Sheet C201	Yes	
Snow deposit (LDM 10)	Show snow deposit areas on plan	Yes	Yes	
LANDSCAPING REQUIRE	MENTS			
Parking Area Landscap	e Requirements (Zoning Sec	c 5.5.3.C and LDM 5)		
General requirements (LDM 5)	Clear sight distance within parking islandsNo evergreen trees	ProvidedNo trees or shrubs are within it	Yes	
Name, type and number of ground cover (LDM 5)	As proposed on planting islands	 Sod is shown for all areas except detention basin Detention seed mix is shown in basins 	Yes	1.
General (Zoning Sec 5.5	5.3.C)			
Parking lot Islands	 A minimum of 200 SF to qualify A minimum of 200sf unpaved area per tree planted in an island 6" curbs Islands minimum width 10' BOC to BOC 	 The islands are actually perimeter islands. They appear to meet the minimum area required. Island areas are labeled – sufficient sized 	Yes	
Curbs and Parking stall reduction (Zoning Sec 5.3.12)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	The parking spaces are 17 feet long with a 7-foot wide sidewalk.	Yes	
Contiguous space limit (Zoning sec 5.5.3.C)	Maximum of 15 contiguous spaces	The only bay is 8 spaces.	Yes	
Plantings around Fire Hydrant (Zoning sec 5.5.3.C)	 No plantings with matured height greater than 12' within 10 ft. of fire hydrants Plant trees at least 5 ft from underground utility lines 	Hydrants are shownNo landscaping is blocking them.	Will show Yes Yes	If either of the buildings has an FDC, please show that on the landscape plans and don't plant anything taller than 12" in front of it.

Item	Required	Proposed	Meets Code	Comments
	Plantings near hydrants or FDCs should be no taller than 12"			
Landscaped area (Zoning sec 5.5.3.C)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	Yes	Yes	
Clear Zones (Zoning sec 5.5.3.B.ii Footnote 10)	 25 ft corner clearance required. Refer to Zoning Section 5.5.9 	No trees or shrubs appear to be within a clear zone but the sign may be.	Will Revise TBD	 Please show the clear vision zone as shown below on the landscape plan. The sign and all shrubs and trees must be located outside of the zones.
	DS-2, OSC, OST, B-1, B-2, B-3 district (Zoning Sec 5.5.3.C)	3, NCC, EXPO, FS, TC, TC	C-1, RC, Sp∈	ecial Land Use or non-
A = Total square footage of vehicular use areas up to 50,000sf x 7.5%	A = x sf * 7.5 % = A sf	One bay with large islands and canopy trees on both ends	Trees are Shown 4'from back of curb	As the parking spaces are only on one side of the drive, only perimeter trees need to be provided, but should be placed to shade the spaces as much as possible.
B = Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 1 %	B = (Total area – 50000) * 1% = xx sf	NA	Yes	
Category 2: For: I-1 and	11-2 (Zoning Sec 5.5.3.C)			
A. = Total square footage of vehicular use area up to 50,000 sf x 5%	A = x sf * 6% = A sf As the only parking is on one side of a drive, only perimeter parking lot trees are required.	One bay with large islands and canopy trees on both ends	Will Revise Note proposed light poles	Please place the tree in the western island closer to the parking spaces to shade the spaces as much as possible.
B = Total square			Yes	
footage of additional paved vehicular use areas over 50,000 SF x 0.5%	B = 0.5% x 0 sf = B SF	NA		
All Categories				
C = A+B Total square footage of landscaped islands	• C = A + B • C = 114 + 0 = 114 SF	1035 SF	Yes	

Revised Preliminary Site Plan Landscape Review

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nevised Freinfillary site Flatteandscape neview				1 age 3 61 13
April 17, 2023	JSP2	2-0048: Extra Space Self Storage		
D = C/200	Interior trees are not	Perimeter trees on		
Number of canopy	required since just one	each end of the	Yes	
trees required	bay is provided –	bay are provided		

Item	Required	Proposed	Meets Code	Comments
	perimeter trees will meet the requirement			
Parking Lot Perimeter Trees (Zoning Sec 5.5.3.C)	 1 Canopy tree per 35 lf (250*2-81)/35 = 12 trees Perimeter areas within 20 feet of a building can be excluded from the calculation. 	12 trees	Will revise Yes	Label the PKS next to the dumpster as WP and count it as a pond tree
Accessway perimeter (Zoning Sec 5.5.3.C)	 1 canopy tree per 35 If on each side of road, less widths of access drives. 950lf/35 = 27 trees Perimeter areas within 20 feet of a building can be excluded from the calculation. Waiver would be supported for 350 If (10 trees) along north side of west building. 	11 trees • 7 north of east building labeled PKN • 4 greenbelt trees that can be double-counted as accessway perimeter trees	Will adjust. Plan as requeste d	 A landscape waiver would be supported for the lack of trees provided along the 350lf along the drive north of the building as there is not room for the 10 trees required there. Please request a waiver for those trees Please provide all of the 17 remaining required trees along the drives, including 2 east of the snow deposit area north of the new building, 3 around the T turn and one east of the hydrant at the south side of the entrance (the replacements trees may need to be moved away from the pavement edge to accommodate them) Label the accessway trees as AW, not PKN.
Parking land banked (Zoning Sec 5.2.14.D)	NA	None		

Berms, Walls and ROW Planting Requirements

Berms (Zoning Sec 5.5.3.A & LDM 1)

- All berms shall have a maximum slope of 33%. Gradual slopes are encouraged. Show 1ft. contours
- Berm should be located on lot line except in conflict with utilities.
- Berms should be constructed with 6" of topsoil.

Residential Adjacent to Non-residential (Sec 5.5.3.A & LDM 1.a)

Berm requirements (Zoning Sec 5.5.A)	As the railroad passes between the site and the residential property	None	Yes	
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Item	Required	Proposed	Meets Code	Comments
	to the east, no screening berm is required.			
Adjacent to Public Righ	ts-of-Way (Sec 5.5.3.B and	LDM 1.b)		
Berm requirements (Zoning Sec 5.5.3.A.(5))	As the parking does not abut the greenbelt, no berm is required.	None	Yes	
Cross-Section of Berms	(LDM 10)	1		
Slope, height and width	NA	No		
Type of Ground Cover	NA	Sod	Yes	
Walls (Zoning Sec 5.5.3.	A & LDM 10)			
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	 Only retaining walls along the detention ponds are proposed TW/BW are provided on grading plan 	TBD	Please provide sample wall information for all walls indicating their appearance and construction.
Walls greater than 4 ft. should be designed and sealed by an Engineer		No details provided	No	Please provide details for walls taller than 4 feet along with the building plans
ROW Landscape Scree	ning Requirements (Zoning	Sec 5.5.3.B.ii)		
Greenbelt width	Not adjacent to Pkg: 25 ft	0-18 ft	No	As the building is not being enlarged into the greenbelt, and the new drive across the front of the site is a requirement of the fire marshal, the deficiency is accepted without a waiver.
Min. berm crest width	None	No	Yes	
Minimum berm height	None	No	Yes	
3' wall	(2)(3)(4)	None		
Canopy deciduous or large evergreen trees	 Not adj to Pkg: 1 tree per 60 ft (300-50)/60 = 4 trees 	5 new trees2 existing trees	Yes	
Sub-canopy deciduous trees	Not adj to Pkg: 1 tree per 40 ft(300-50)/40 = 6 trees	6 trees	Yes	The two arborvitaes do not count as subcanopy trees.
Self-Storage Rules (14-271-Part II Section 2.I)	At least 2 of the required canopy or evergreen greenbelt trees shall be planted between the road right-of-way and the building.	3 deciduous canopy trees	Yes	

Item	Required	Proposed	Meets Code	Comments	
Canopy deciduous trees in area between sidewalk and curb	 Parking & No Parking: 1 tree per 35 lf (300-125)/45 = 4 trees 	No trees	Will Revise plan Note Sign will be moved Will check for utility lines	1. Please extend the clear vision zones out to the road edge and provide calculation, measuring the deduction per the illustration in Section 5.5.3.B.ii Footnote 10. 2. If existing utility lines (not currently shown) do not allow the trees to be planted due to a lack of 5 foot spacing between the tree trunks and underground utility lines, the trees should not be planted and no waiver is required.	
	s (zoning sec 5.5.3.F.III) V, building foundation land:	scape parking lot land	dscaping ar	nd I DM	
Screening of outdoor storage, loading/unloading (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)	Loading/unloading areas shall be screened from view from Novi Road or the residences.	All of the vehicle unloading areas appear to be inside the buildings, or blocked from view from Novi Road by the buildings and from the residences by the buildings and the railroad tracks.	Yes		
Transformers/Utility boxes (LDM 6)	 A minimum of 2ft. separation between box and the plants Ground cover below 4" is allowed up to pad. No plant materials within 8 ft. from the doors 	The transformer for both buildings is blocked by the existing building but no shrubs	Will add Shrubs No	Please add screening shrubs along the north side of the transformer	
Building Foundation Landscape Requirements (Zoning Sec 5.5.3.D)					
Interior site landscaping SF (Zoning Sec 5.5.3.D)	 Equals to entire perimeter of the building x 8 with a minimum width of 4 ft. At least 75% of the building perimeter should be landscaped West Bldg: (644-25-28-5)lf x 8 ft = 4688 sf 	 West bldg: 4723 sf East bldg: 4604 sf Detailed foundation planting plans are provided New plantings are proposed in place of the 	• Yes • Yes		

Item	Required	Proposed	Meets Code	Comments
	• East Bldg: (585-7-3-3) If x 8 ft = 4576 sf	existing shrubs around the existing building.		
Building Frontage Landscaping (Zoning Sec 5.5.3.D)	If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	 Existing: 143/155 = 92% New: 100% of building visible from Novi Road is landscaped 	• Yes • Yes	
Detention/Retention Ba	asin Requirements (Zoning Se	ec. 5.5.3.E & LDM 3)		
Planting requirements (Zoning Sec 5.5.3.E & LDM 3)	 Clusters of large native shrubs shall cover 70-75% of the basin rim area at 10 lf from permanent water level 10" to 14" tall grass along sides of basin Refer to wetland for basin mix Deciduous canopy tree 1/35 of east, south and west sides of pond at 10 feet from permanent water level West pond: 335lf/35 = 10 trees East pond: 273lf/35 (only east, south and west sides) = 8 trees Woodland replacement trees can be used to meet the tree requirement 	Shrubs are proposed around the ponds but 3 shrub "masses" are not large enough. Trees: West pond: 12 trees East pond: 12 trees A native seed mix is proposed for the bottoms of both ponds.	Will add shrubs Add Note Removed Trees Will add note • Yes/No • Yes • Yes Will add note	 Please use larger masses of shrubs than just 3, and provide 70% coverage around the ponds. If berries are desired on the winterberries, one male per 8 females (intermixed) should be specified. Extra trees can be removed from the plan if desired. Please show seed mix species list on Final Site Plans. Please add a note near the seed mix list stating: "The landscape contractor shall send proof of the seed mix to be used (photo of seed bag or copy of invoice indicating the seed mix purchased) to rmeader@cityofnovi. org for approval prior to placement."
Phragmites and Japanese Knotweed Control (Zoning Sec 5.5.6.B)	 Any and all populations of Phragmites australis and/or Japanese Knotweed on site shall be included on tree survey. Treat populations per MDEQ guidelines and requirements to eradicate the weed 	 Populations of Phragmites are indicated on Sheet C002 Plans for removal are included in Environmental Engineer Report 	Will Review • Yes • No	Please add steps for the Phragmites' removal to the Site Plans (referring to the environmental engineer's report is not sufficient)

Item	Required	Proposed	Meets Code	Comments
	from the site.			
LANDSCAPING NOTES, I	DETAILS AND GENERAL REQU	JIREMENTS		
Landscape Notes - Utili	ze City of Novi Standard No	tes		
Installation date (LDM 10)	Provide intended date	Between Mar 15 and Nov 15.	Yes	
Maintenance & Statement of intent (Zoning Sec 5.5.6 & LDM 10)	 Include statement of intent to install and guarantee all materials for 2 years. Include a minimum one cultivation in June, July and August for the 2-year warranty period. 	Yes	Yes	
Plant source (LDM 10 & 11)	Shall be northern nursery grown, No.1 grade.	Yes	Yes	
Irrigation plan (LDM 10)	A fully automatic irrigation system or a method of providing sufficient water for plant establishment and survival is required on Final Site Plans. If irrigation won't be used, note how trees will get sufficient water for establishment and long-term survival	No plan is included	Will add Irrigation When we have site plan approval	 Please add irrigation plan or information as to how plants will be watered sufficiently for establishment and long- term survival. If xeriscaping is used, please provide information about plantings included. An irrigation system shall meet the requirements listed at the bottom of this chart.
Other information (LDM 10)	Required by Planning Commission	NA		
Establishment period (Zoning Sec 5.5.6 & LDM 10)	2 yr. Guarantee	Yes	Yes	
Approval of substitutions. (Zoning Sec 5.5.5 & LDM 10)	City must approve any substitutions in writing prior to installation.	Yes	Yes	
Plant List (LDM 10 & 11)	- Include all cost estimates			
Quantities and sizes	At least 50% of species used, not including.	On plant list	Yes	
Root type	used, not including woodland	Yes	Yes	
Botanical and common names (LDM 4 & 11)	replacements or seed mix species, shall be native to Michigan Tree diversity shall follow guidelines of	 11 of 23 species used (48%) are native to Michigan Tree diversity is 	Will UpDate • No • Yes	Please increase the number of native species used so at least 50% of the species used are

Item	Required	Proposed	Meets Code	Comments
	LDM Section 4	satisfactory (Thuja occidentalis is a shrub, not a tree)	Will Revise Will Revise	native. Check https://lsa-miflora- p.lsait.lsa.umich.edu/ to see if a plant is considered native to Michigan or ask me via email. 2. Beeches are currently having some maladies in Michigan, so I would recommend using Swamp White Oak (Quercus bicolor) - also a native - in place of them 3. Acer spicatum is a nice native tree, but is not readily available in nurseries here. I'd recommend replacing them with Amelanchier laevis or Amelanchier xgrandiflora 'Autumn Brilliance, both of which are considered native.
Type and amount of lawn		Sod	Yes	Please add areas of each in cost table.
Cost estimate (LDM 10)	For all new plantings, mulch and sod as listed on the plan	No		Please add to final site plan. The standard costs to use are: • Canopy trees: \$400 ea. • Evergreen trees: \$375 ea. • Subcanopy trees: \$375 ea. • Shrubs: \$50 ea. • Grasses/perennials: \$15 ea. • Seed: \$3/syd • Sod: \$6/syd • Mulch: \$35/cyd
	DM Part III) – Utilize City of No	ovi Standard Details		T
Canopy Deciduous Tree	Refer to LDM for detail	Yes	Yes	
Evergreen Tree	drawings	Yes	Yes	
Multi-stem Tree		Yes	Yes	

Item	Required	Proposed	Meets Code	Comments
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)	Sheet LS-0	Yes	Critical root zone can be shown as 1 foot outside of the dripline, but it's fine as you have it.
Other Plant Material Re				
General Conditions	Plant materials shall not be planted within 4 ft. of property line	Sheet LS-1	Yes	
Plant Materials & Existing Plant Material (LDM 11)	Clearly show trees to be removed and trees to be saved.	Sheet LS-0	Yes	
Landscape tree credit (LDM 11)	 Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM 	Revised LS-0 Tree Table 23 credits noted on table Revised LS-0 Tree Table	No	 No credits are allowed for the two evergreen trees saved as credits are only earned with preserved canopy trees No credits are allowed for the trees preserved within the wetland or woodland
Plant Sizes for ROW, Woodland replacement and others (LDM 11)	 Size determined by use detailed in LDM Table 11.b.(2)a.i Indicate on plant list 	Included in plant list	Yes	
Plant size credit (LDM 11)	NA	No		
Prohibited Plants (LDM 11.b)	No plants on City Invasive Species List	No invasive plants are proposed	Yes	
Recommended trees for planting under overhead utilities (LDM 11)	Label the distance from the overhead utilities			
Collected or Transplanted trees (LDM 11)		None		
Nonliving Durable Material: Mulch (LDM 12)	 Trees shall be mulched to 3"depth and shrubs, groundcovers to 2" depth Specify natural color, finely shredded 	Yes	Yes	

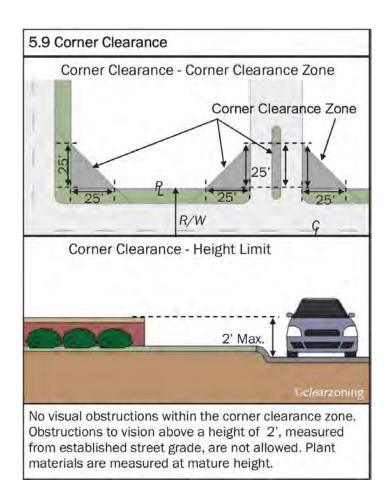
Item	Required	Proposed	Meets Code	Comments
	hardwood bark mulch. Include in cost estimate.			

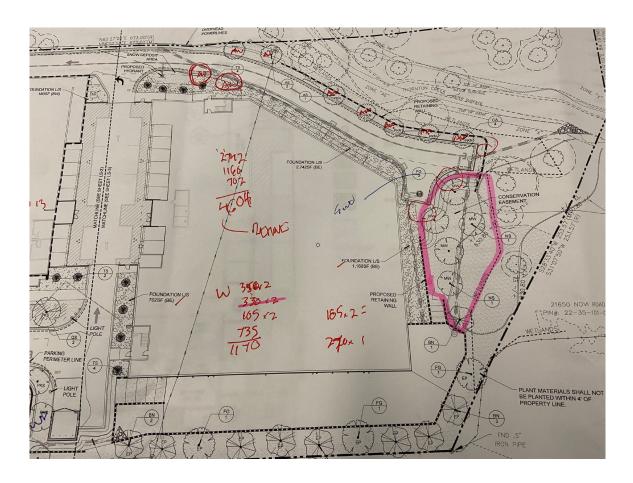
NOTES:

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

Irrigation System Requirements

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







Corporate Headquarters

295 South Water Street, Suite 300 Kent, OH 44240 800-828-8312

> Local Office 3381 Lapeer Rd. West Auburn Hills, MI 48326

To: Christian Carroll, City of Novi Planner

Community Development Department, City of Novi

From: Kerry Gray, Principal Consultant

Davey Resource Group

CC: Barb McBeth, City of Novi, City Planner

Lindsay Bell, City of Novi Senior Planner

Rick Meader, City of Novi Landscape Architect

Ben Peacock, City of Novi Planner

Diana Shanahan, City of Novi Planning Assistant Douglas Repen, Mannik and Smith Group

Date: April 24, 2023

RE: Extra Space Self Storage (FKA: GHK Self Storage)

Woodland Review #2 – JSP22-38

Davey Resource Group, Inc. (DRG) has conducted a review of the revised Preliminary Site Plan for the proposed **Extra Space Self Storage** facility (FKA GHK Self Storage) located at 21700 Novi Road (Parcel No. 22-35-101-016). The plan set, prepared by Blue Water Civil Design (plan revision: 03/31/2023), was reviewed for conformance with the City of Novi's Woodland Protection Ordinance, Chapter 37, and comments from Woodland Review #1.

Recommendation: DRG **recommends contingent approval** of the Extra Space Self Storage Facility (FKA GHK Self Storage) Preliminary Plan – based upon addressing the woodland review comments.

The following Woodland Regulations apply to this site:

Woodland Regulation				
Woodland Permit (Chapter 37, Section 37-26)	YES			
Tree Replacement (Chapter 37, Section 37-8) & Financial Guarantee (Chapter 26.5-5)	YES			
Tree Protection (Fence) (Chapter 37, Section 37-9) & Financial Guarantee (Chapter 26.5-5)	YES			
Woodland Conservation Easement (Chapter 37-30 (e))	YES			

Woodland Review Comments

1. A Woodland Use Permit is required to perform construction on any site containing regulated woodlands. The Woodland Use Permit for this project requires Planning Commission approval.

To determine woodland fence inspection fees - the applicant shall provide the cost (labor and supplies) for installation (including the initial location staking) and removal of tree protection fencing.

COST OF INSTALLATION TO BE PROVIDED WITH RESUBMITTAL

2. Woodland Replacement Credits (Sheet LS-0). The City of Novi Landscape Design Manual allows non-regulated canopy trees that will be preserved to be used to fulfill woodland replacement credits if they are on the site and not prohibited and/or invasive species.

The "Tree Removal/Protection Chart" on Sheet LS-0 incorrectly shows regulated woodland trees being saved and counted as woodland replacement credits. The following preserved regulated woodland trees cannot be used towards meeting woodland replacement requirements:

- Tree #357 10" slippery elm
- Tree #358 8" cottonwood
- Tree #359 23" cottonwood
- Tree #364 25" black walnuts

- Tree #370 10" boxelder
- Tree #371 21" black walnut
- Tree #372 9" boxelder
- Tree #373 14" boxelder

In addition, the following preserved non-Michigan native evergreen trees cannot be used towards meeting woodland replacement requirements because they are not deciduous canopy trees.

- Tree #326 12" blue spruce
- Tree #327 17" blue spruce

LANDSCAPING PLAN TO BE REVISED TO CORRECTLY SHOW REGULATED WOODLAND TREES

- 3. Tree Removals and Replacements (Sheets LS-0/LS-1). The plan proposes the removal of three (3) regulated woodland trees and impacts to the critical root zone one (1) regulated woodland tree which requires 8 woodland replacement credits (see chart below).
 - Tree #364 25" black walnut critical root zone impacts
 - Tree #365 12" boxelder removal
 - Tree #366 9" black walnut removal
 - Tree #367 15" black walnut removal

Revise plans to fix the chart on sheet LS-0 to reflect the information in Comments 2 and 3.

Tree Size (DBH)	Number of Trees	Ratio Replacement/ Removed Tree	Total Replacements Required
8-11"	1	1	1
>11-20"	2	2	4
>20-29"	1	3	3
>29+"	0	4	0
Multi-Stem		Add Stems/8	
Woodland Replacement Credits (Non- Regulated Trees to be Preserved)	0	0	0
	8		

- 4. Woodland Replacements (Sheet LS-1). The site is required to mitigate the removal/disturbance of the 4 regulated woodland trees through the preservation of two non-regulated trees and with eight (8) woodland replacement credits. Woodland replacement credits can be provided by:
 - a. Planting the woodland tree replacement credits on-site.
 - b. Payment to the City of Novi Tree Fund at a rate of \$400/woodland replacement credit.
 - c. Combination of on-site tree planting and payment into the City of Novi Tree Fund (\$400/woodland replacement credit).

Revise plans based on Comments #2 and 3 and the required woodland replacement credits.

LANDSCAPING PLANS TO BE REVISED

5. **Critical Root Zone (Sheet LS-0).** The tree protection fence diagrams on sheet LS-0 state the wrong information regarding measurement of the critical root zone. **Revise drawings to use the definition from Chapter 37.**

Critical root zone (CRZ) means a circular area around a tree with a radius measured to the tree's longest dripline radius plus one (1) foot.

LANDSCAPING PLANS TO BE REVISED TO CORRECTLY SHOW CRZ

- 6. Financial Guarantees (Repeated comments from Woodland Review #1)
 - a. A woodland fence guarantee of \$6,000 (\$5,000 x 120%) is required per Chapter 26.5-37. The financial guarantee shall be paid prior to issuance of the City of Novi Woodland Use Permit.

 NOTED
 - b. Woodland Replacement Financial Guarantee of \$3,200 (8 required woodland replacement credits x \$400 per woodland replacement credit) is required as part of the Woodland Use Permit fees to ensure planting of the on-site Woodland Replacement tree credits.
 - Based on inspection of the installed on-site Woodland Replacement trees, the Woodland Replacement Financial Guarantee shall be returned to the Applicant. The Applicant is responsible for requesting this inspection. Following acceptance of the planted woodland replacement trees, a 2-year performance bond must be paid to ensure the continued health and survival of the replacement trees (comment 6).
 - c. The applicant will be required to pay into the City of Novi Tree fund at a rate of \$400/credit for any Woodland Replacement tree credits that cannot be planted on site or if any protected woodland or non-regulated trees providing a woodland replacement credit are removed or damaged. NOTED
 - d. The applicant shall guarantee trees for two (2) growing seasons after installation and the City's acceptance, per The City's Performance Guarantees Ordinance. A two-year maintenance bond in the amount of \$1,000, twenty-five (25) percent of the value of the trees but in no case less than one thousand dollars (\$1,000.00), shall be required to ensure the continued health of the trees following acceptance (Chapter 26.5, Section 26.5-37).
 - Based on a successful inspection 2 years after installation of the on-site Woodland Replacement trees, the Woodland Replacement Performance Guarantee shall be returned to the Applicant. The Applicant is responsible for requesting this inspection. **NOTED**
- 7. **Woodland Guarantee Inspection.** If the woodland replacements, street trees or landscaping guarantee period is scheduled to end during the period of time when inspections are not conducted

(November 15th – April 15th) the Applicant is responsible for contacting the Bond Coordinator and Woodland/Landscape Inspector in late summer/early fall prior to the 2 year expiration to schedule an inspection. The Applicant is responsible for walking the entire site to confirm that all of the material has survived and is healthy. If any material is missing, dead or dying, replacements should be made prior to requesting the inspection. Once this occurs the Applicant should contact the Bond Coordinator to schedule the inspection (Angie Sosnowski at asosnowski@cityofnovi.org / 248-347-0441) and complete the inspection request form. If additional inspections are needed, then additional inspection fees will be required to be paid by the applicant. Based upon a successful inspection for the 2 year warranty the Landscape/Woodland/Street trees financial guarantee will be returned to the Applicant NOTED

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

NOTED



Figure 1. Proposed site for Extra Space Self Storage (FKA: GHK Self Storage) (outlined in red)

City of Novi Regulated Woodland Map

(Green hatched areas = City-regulated woodlands; Blue hatched areas= City regulated wetlands)



April 26, 2023

Christian Carroll
City Planner
Department of Community Development
City of Novi
45175 W. Ten Mile Road
Novi, Michigan 48375

RE: GHK Self-Storage; JSP22-48

Wetland Review of Revised Preliminary Site Plan

MSG Project No. N1030138

Dear Mr. Carroll:

The Mannik & Smith Group, Inc. (MSG) reviewed the plan set titled *Site Development Plans for: Self Storage Facility* prepared by Bluewater Civil Design, LLC dated March 31, 2023 (rPSP). The project site is located at 21700 Novi Road, east of Novi Road and south of Nine Mile Road, parcel 50-22-35-101-016, in Section 35 (Site). MSG also reviewed the *Wetland Assessment* report prepared by SME dated November 29, 2022, provided with the rPSP (Wetland Report). The rPSP depicts repurposing of the existing Site building and construction of a new self-storage building and two detention ponds in the currently paved parking areas of the Site.

Published Data

Upon review of published resources, the portion of the Site included in the Project appears to contain:

- ☑ Wetlands that are regulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Refer to the Permits and Regulatory Status section below.
- ☑ Wetlands as identified on National Wetland Inventory (NWI) and Michigan Resource Inventory System (MIRIS) maps, as identified on the EGLE Wetlands Viewer interactive map website (Figure 2). NWI and MIRIS wetlands are identified through interpretation of topographic data and aerial photographs by the associated governmental bodies.
- ☐ Hydric (wetland) soil as mapped by the U.S. Department of Agriculture, Natural Resource Conservation Service, as identified on the EGLE Wetlands Viewer interactive map website (Figure 2).

MSG Wetland Boundary Verification

The rPSP and the Wetland Report depict the location of two wetlands at the Site as summarized below.

Wetland	On-site Wetland Area (Acre)	Wetland Impact Area (Acre)	Wetland Impact Fill Volume (Cubic Yards)	Wetland Buffer Area (Acre)	Wetland Buffer Impact Area (Acre)	Wetland Buffer Impact Fill Volume (Cubic Yards)
Α	0.092	Not specified*,**	Not specified*	Not specified*	Not specified*	363 net fill
В	0.369	Not specified*,**	Not specified*	Not specified*	Not specified*	Not specified*
Total	0.461	Not specified*,**	Not specified*	Not specified*	Not specified*	Not specified*

^{*} This information required for final site plan approval

^{**} See Comment 1 below

Permits and Regulatory Status

The City of Novi Code of Ordinances, Chapter 12, Article V defines an essential wetland as meeting one or more of the criteria listed in subsections 12-174(b)(1) through (10). It is MSG's opinion Wetlands A and B provide the functional characteristics of storm water storage capacity and wildlife habitat, and accordingly Wetlands A and B meet the criteria for an essential, City-regulated wetland. It appears pavement is to be permanently removed from a portion of Wetland A; see the Comments section below for applicable requirements.

In addition to wetlands, the City of Novi regulates wetland and watercourse buffers/setbacks. Article 24, Schedule of Regulations, of the Zoning Ordinance states: "There shall be maintained in all districts a wetland and watercourse setback, as provided herein, unless and to the extent, it is determined to be in the public interest not to maintain such a setback. The intent of this provision is to require a minimum setback from wetlands and watercourses". The established wetland and watercourse buffers/setback limit is 25 feet horizontal feet, regardless of grade change. Encroachment on the wetland buffer will require authorization from the City of Novi.

Mitigation is required per Section 12-176 of the Novi Code of Ordinances when an activity results in 0.25-acre or greater of impairment or destruction of wetland areas that are determined to be essential wetland area, two acres in size or greater, or contiguous to a lake, pond, river, or stream. The Novi Code of Ordinances, Section 12-176 – Mitigation, states "Where an activity results in the impairment or destruction of wetland areas of less than one-quarter (¼) acre that are determined to be essential under subsection 12-174(b), are two (2) acres in size or greater or are contiguous to a lake, pond, river or stream, additional planting or other environmental enhancement shall be required onsite within the wetlands or wetland and watercourse setback where the same can be done within the wetland and without disturbing further areas of the site." The rPSP does not depict encroachment into the Site wetlands, so neither mitigation nor an environmental enhancement plan appears to be required.

EGLE typically regulates wetlands that are located within 500 feet of an inland lake, pond, stream, or river, and/or isolated wetlands of an area of 5 acres or more. Wetlands A and B are likely regulated by EGLE based on their size and/or proximity to Thornton Creek. However, EGLE is the final authority of the location and regulatory status of wetlands in Michigan. MSG recommends the client request a pre-application meeting with EGLE to determine the State jurisdictional status and mitigation requirements if work affecting the potentially State-regulated wetlands is proposed.

Based on the available information, the following wetland related items appear to be required for this project:

Item	Required/Not Required/Not Applicable
Wetland Permit (specify Non-Minor or Minor)	Required, likely Minor Use; see Comment 1 below
Wetland Buffer Authorization	Required; see Comment 2 below
Wetland Mitigation	Not required
Environmental Enhancement Plan	Not required
EGLE Wetland Permit	Not required
Wetland Conservation Easement	Not applicable

Comments

1. The rPSP appears to depict permanent removal of pavement from a portion of Wetland A (Photo 4). The size of this area must be quantified on the Site plans and the vegetative cover to be used to replace the pavement must be identified in Site plans. In addition, a storm water culvert is proposed to be installed through the wetlands with a discharge into Thornton Creek. The temporary and/or permanent impact area(s) affected by the installation of the proposed storm water outfall into Thornton Creek must be similarly quantified. Because the ground cover will be affected, areas where silt fence is to be installed are to be included in wetland impact area calculations.

SIZES AND VEGETATIVE COVER ADDED TO SITE PLANS. IMPACT AREAS ADDED TO SITE PLANS

- a. If affected wetland areas are revegetated with native wetland plants and/or native wetland seed mix, a City permit for temporary impact will be required. NOTED
- b. If affected wetland areas are to be revegetated with turf grass and maintained as lawn, and/or if fill material is to be added to wetland areas, a City permit for permanent impact will be required, and an EGLE permit may be required. Planting turf grass or placement of sod in a wetland or buffer area is considered permanent impact. NOTED
- 2. The wetland buffer cut/fill volumes are noted on Sheet C102 of the rPSP. The areas of permanent and/or temporary buffer impact also must be depicted and quantified on Site plans. Because the ground cover will be affected, areas where silt fence is to be installed are to be included in wetland buffer impact area calculations. This information is required for issuance of a Wetland Buffer Authorization letter, AREAS ADDED TO SITE PLANS
 - a. Wetland buffer areas where existing pavement is to be permanently removed and the replacement cover will consist of native plants and/or native seed mix are to be considered temporarily impacted. NOTED
 - b. Wetland buffer areas that are to include structures (e.g. pavement, retaining walls), landscaped, or maintained as lawn are to be considered permanently impacted.

3. City of Novi requires the boundary lines of any watercourses or wetlands on the Site to be clearly flagged or staked and such flagging/staking shall remain in place throughout the conduct of permit activity.

 As detailed in SME's Wetland Report, Wetlands A and B include non-native plant species (e.g. reed canary) grass, Phragmites, buckthorn). MSG recommends the applicant incorporate wetland replacement native plantings, including trees and shrubs, in the project plans as well as removal of non-native invasive species to enhance the aesthetics and natural habitat benefits of the wetland areas. The proposed Poa pratensis (Kentucky Bluegrass) sod is not considered a native wetland plant. NOTED. WETLAND PLANT HAS BEEN REVISED

MSG conditionally approves the rPSP for Wetlands, contingent on the applicant satisfactorily addressing the comments above.

Please contact the undersigned if you have any questions regarding the matters addressed in this letter.

Sincerely.

The Mannik & Smith Group, Inc.

Keegan Mackin

Environmental Scientist

Douglas Repen, CDT

Project Manager

Certified Storm Water Management Operator

CC: Barbara McBeth, City of Novi Planner

Lindsay Bell, City of Novi Planner

Ben Peacock, City of Novi Planner

Diana Shanahan, City of Novi Planning Assistant

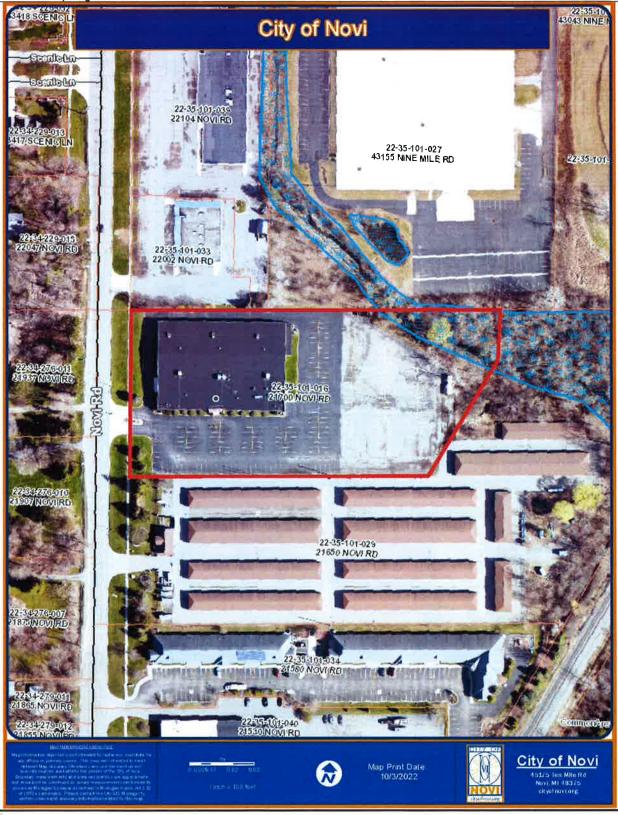
Sarah Marchioni, City of Novi Project Coordinator

Rick Meader, City of Novi Landscape Architect

FIGURES



Figure 1 City of Novi Natural Resources Map. Approximate Site boundary is shown in red. Regulated Wetland areas are shown in blue.





2365 Haggerty Road South, Canton, Michigan 48188 Tel: 734.397.3100 Fax: 734.397.3131



GHK Self-Storage; JSP22-48
Wetland Review of Revised Preliminary Site Plan
MSG Project No. N1030138

SITE PHOTOGRAPHS Mannik



Photo 1: View of the site, facing southwest. January 4, 2023



Photo 2: View of paved area adjoining wetlands, facing southeast. January 4, 2023





Photo 3: Typical view of wetland delineation flagging at the Site. January 4, 2023



Photo 4: View of portion of Wetland A extending onto paved area, facing north. January 4, 2023



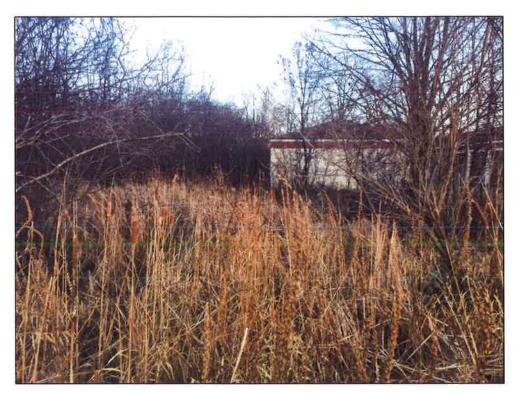


Photo 5: View of emergent wetland vegetation in Wetland A, facing east. January 4, 2023



Photo 6: View of scrub-shrub wetland vegetation in Wetland A, facing east. January 4, 2023





Photo 7: View of riverine wetland (Thornton Creek) and forested wetland vegetation in Wetland B area, facing northwest. January 4, 2023



Photo 8: View of Thornton Creek adjacent to paved area, facing northwest. January 4, 2023





To:

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

CC:

Lindsay Bell, Christian Carroll, Humna Anjum, Ben Peacock, Diana Shanahan

AECOM 27777 Franklin Road Southfield MI, 48034 USA aecom.com

Project name:

JSP22-48 - Extra Space Self Storage (fka GHK Self Storage) Revised Preliminary Site Plan Traffic Review

From:

AECOM

Date: May 2, 2023

Memo

Subject: JSP22-48 - Extra Space Self Storage (fka GHK Self Storage) Revised Preliminary Site Plan Traffic Review

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

GENERAL COMMENTS

- 1. The applicant, GHK Development, Inc., is proposing the addition of a 100,200 SF 3 story self storage building to the existing 36,571 SF building to be remodeled into self storage.
- 2. The development is located on the east side of Novi Road, south of 9 Mile Road. Novi Road is under the jurisdiction of Oakland County.
- 3. The site is zoned I-1 (Light Industrial).
- 4. The following traffic related waivers or variances will be required:
 - a. Location of trash enclosure.
- Conditions for approval include the following:
 - a. Applicant requests and is granted a variance for location of trash enclosure.
 - b. Dimensions of garage door provided to show 20' access way.
 - 6' clear path required from bike parking to ramp.
 - The height of the Bike Rack is 36".

TRAFFIC IMPACTS

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

ITE Code: 151 - Mini-Warehouse

Development-specific Quantity: 136,771 SF

Zoning Change: I-1

Trip Generation Summary	Estimated Trips	Estimated Peak- Direction Trips	City of Novi Threshold	Above Threshold?
AM Peak-Hour Trips	12	7	100	No
PM Peak-Hour Trips	21	11	100	No
Daily (One-Directional) Trips	198	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				
- 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.

EXT	EXTERNAL SITE ACCESS AND OPERATIONS							
No.	Item	Proposed	Compliance	Remarks				
1	Driveway Radii O <u>Figure IX.3</u>	Not indicated	Met	No changes proposed to existing access.				
2	Driveway Width O Figure IX.3	Not indicated	Met	No changes proposed to existing access.				
3	Driveway Taper O Figure IX.11	-	N/A					
3a	Taper length	-	N/A					
3b	Tangent	-	N/A					
4	Emergency Access O <u>11-194.a.19</u>	2 Access Points	Met	A second access point was added for emergency access.				
5	Driveway sight distance O Figure VIII-E	Not indicated	Met	No changes proposed to existing access.				
6	Driveway spacing							
6a	Same-side O <u>11.216.d.1.d</u>	Not indicated	Met	No changes proposed to existing access.				
6b	Opposite side O <u>11.216.d.1.e</u>	Not indicated	Met	No changes proposed to existing access.				
7	External coordination (Road agency)	Not indicated	Met	No changes proposed to existing access.				
8	External Sidewalk Master Plan & EDM	Not indicated	Met	No changes proposed to existing access.				
9	Sidewalk Ramps EDM 7.4 & R-28-J	Not indicated	Met	No changes proposed to existing access.				
10	Any Other Comments:			-				

INTE	INTERNAL SITE OPERATIONS						
No.	Item	Proposed	Compliance	Remarks			
11	Loading zone <u>ZO 5.4</u>	None indicated	Met	None required for I districts. Consider for land use.			
12	Trash receptacle <u>ZO 5.4.4</u>	Located in side yard	Not Met WAIVER TO BE APPLIED FOR	Trash receptacle is to be located in the rear yard. A waiver would be required for current proposed location.			
13	Emergency Vehicle Access	No turning movements provided	Inconclusive	Provide emergency vehicle turning movements in future submittals.			
14	Maneuvering Lane <u>ZO 5.3.2</u>	24' and 20' lanes dimensioned. Garage doors not dimensioned.	Partially Met SEE ARCHITECTURAL ELEVATIONS FOR DIMENSIONS	Indicate dimensions of garage doors.			
15	End islands ZO 5.3.12						
15a	Adjacent to a travel way	None	-	-			
15b	Internal to parking bays	None	-	-			
16	Parking spaces ZO 5.2.12						
17	Adjacent parking spaces ZO 5.5.3.C.ii.i	<15 spaces with no island	Met				
18	Parking space length <u>ZO 5.3.2</u>	18' for perpendicular spaces, 23' for parallel spaces	Met	Perpendicular spaces with 6" curb require 19' spaces.			
19	Parking space Width ZO 5.3.2	9' for parallel and perpendicular	Met	Parallel spaces could be reduced to 8' wide.			
20	Parking space front curb height ZO 5.3.2	4"	Inconclusive	Spaces are 18' with a 4" curb. Applicant could shorten spaces to 17'.			
21	Accessible parking – number ADA	2	Met	Only 1 ADA space is required for 16 total spaces.			
22	Accessible parking – size ADA	9' space with 8' aisle	Met	Spaces currently 9' wide, may be reduced to 8' with an 8' aisle for van accessible to increase green area.			
23	Number of Van-accessible space ADA	2	Met	Indicated			
24	Bicycle parking						
24a	Requirement ZO 5.16.1	4 spaces/2 racks indicated	Met	2 spaces required			
24b	Location <u>ZO 5.16.1</u>	Adjacent to door	Met				

INTERNAL SITE OPERATIONS						
No.	Item	Proposed	Compliance	Remarks		
24c	Clear path from Street ZO 5.16.1	7' sidewalk with 2' overhang	Not Met SIDEWALK REVISED	6' clear path required. 7' sidewalk with 4" curb is assumed to have 2' clear overhang, resulting in 5' clear path. Applicant could widen the sidewalk to 8' from bike parking to ramp.		
24d	Height of rack ZO 5.16.5.B	None indicated	Not Met HEIGHT ADDED TO PLANS	36" in height required. Indicate heght in future submittals.		
24e	Other (Covered / Layout) ZO 5.16.1	Layout included	Met			
25	Sidewalk – min 5' wide Master Plan	5' and 7'	Met			
26	Sidewalk ramps EDM 7.4 & R- 28-J	Indicated	Met			
27	Sidewalk – distance back of curb EDM 7.4	N/A	-	-		
28	Cul-De-Sac O Figure VIII-F	N/A	-	-		
29	EyeBrow O Figure VIII-G	N/A	-	-		
30	Turnaround <u>ZO 5.10</u>	20' radius	Inconclusive DIMENSIONS ADDED TO PLANS	Indicate lengths of stubs in future submittals. Radius meets the parameters. Provide dimensions as per Figure 5.10.1.B.II in the Zoning Ordinance.		
31	Any Other Comments:			-		

SIGNING AND STRIPING							
No.	Item	Proposed	Compliance	Remarks			
32	Signing: Sizes MMUTCD	Included	Met				
33	Signing table: quantities and sizes	Included	Met				
34	Signs 12" x 18" or smaller in size shall be mounted on a galvanized 2 lb. U-channel post MMUTCD	Included	Met				
35	Signs greater than 12" x 18" shall be mounted on a galvanized 3 lb. or greater U-channel post MMUTCD	Included	Met				
36	Sign bottom height of 7' from final grade MMUTCD	Included	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	Included	Met				
38	FHWA Standard Alphabet series used for all sign language MMUTCD	Included	Met				
39	High-Intensity Prismatic (HIP) sheeting to meet FHWA retro-reflectivity MMUTCD	Included	Met				

SIGNING AND STRIPING							
No.	Item	Proposed	Compliance	Remarks			
40	Parking space striping notes	Not included	NOTE ADDED TO PLANS	Include in future submittals. Include note about abuting blue and white striping where a normal space abuts an ADA space.			
41	The international symbol for accessibility pavement markings ADA	Included	Met				
42	Crosswalk pavement marking detail	Included	Partially Met	Include color of marking and angle of hatching in detail in future submittals.			
43	Any Other Comments: NOTE AND MARKINGS REVISED ON PLAN	Applicant is indicating RCOC will install Stop sign at driveway, verify responsibility for installation. Update pavement markings detail to specify "White" paint, as per MMUTCD Section 3B.20. Add details for pavement marking island at entrance.					

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

Patricia Thompson, PE Traffic Engineer

Patricia a Thompson

Paula K. Johnson, PE Senior Transportation Engineer

Paula K. Johnson

Saumil Shah, PMP Project Manager

Saumis Shal



CITY COUNCIL

Mayor Bob Gatt

Mayor Pro Tem Dave Staudt

Laura Marie Casey

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Ericka Thomas

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Victor Cardenas

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Erick W. Zinser

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Jeffery R. Johnson

Assistant Chief of Police

Scott R. Baetens

Assistant Fire Chief

John B. Martin

April 17, 2023

TO: Barbara McBeth - City Planner Lindsay Bell - Plan Review Center Christian Carroll - Plan Review Center Ben Peacock – Plan Review Center Diana Shanahan – Planning Assistant

RE: GHK Self-Storage

PSP# 22-0137

PSP#22-137 JSP22-48

Project Description:

Build 1 new multi-story Storage Building and remodel 1 existing building (old Novi Bowl bldg.) on site.

Comments:

All fire hydrants MUST be installed and operational prior to
 NOTED 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

NOTED permits.

 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
 NOTED Department at (248) 735-5674. (See Attachment B)

Corrected 4-17-23 KSP-Sheet C101 – Front access drive indicates entrance(s) of 19.79' & 18.45'. This will need to corrected to a minimum of 20' wide for Fire lane access.

• <u>Corrected 4-17-23 KSP-</u>No Parking Fire Lane signs will need SIGNS ADDED TO PLANS to be added on rear access drive.

<u>Corrected 4-17-23 KSP-</u>Sheet A210 - Entry gate in between buildings will need fire department "Knox-Key" access and/or electronic "Knox-Gate" access.

<u>Corrected 4-17-23 KSP-</u>Sheet C103 – Water Main detail. More fire hydrants will need to be added on site and rear access drive.

Corrected 4-17-23 KSP-Sheet LSO13 – Landscaping page. Landscaping cannot block any fire hydrant or fire Department connections to sprinkler valves. Provide locations for all FDC valve locations.

ENTRY GATE WITH KNOX

BOX CALLED OUT ON PLANS

•

Novi Public Safety Administration
45125 Ten Mile Road
Novi, Michigan 48375

FIR
ADI

248.348.7100 248.347.0590 fax

cityofnovi.org

FIRE HYDRANTS ADDED TO PLANS

● ENTRANCE

LANES REVISED

FDC VALVE LOCATIONS ADDED TO PLANS

TURN AROUND ADDED TO PLANS Corrected 4-17-23 KSP-All fire apparatus access roads (public and private) with a dead-end drive in excess of one hundred fifty (150) feet shall be designed with a turnaround designed in accordance with Figure VIII-I or a culde-sac designed in accordance with Figure VIII-F. (D.C.S. Sec 11-194 (a)(20))

ADDITIONAL FIRE ACCESS ROAD ADDED TO PLANS

Corrected 4-17-23 KSP-Additional Secondary Access road will need to be added from Novi Rd to rear driveway.

Access thru building interior gate is NOT a/an acceptable fire lane route.

Recommendation:

Approved

Sincerely,

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

cc: file