

## CITY OF CORNELIUS COMMUNITY DEVELOPMENT DEPARTMENT

SUPPLEMENTAL STAFF REPORT

# U-Haul - COMMERCIAL DEVELOPMENT Type III Site Design Review Type III Conditional Use Permit

Land Use File Numbers DR-70-23 and CUP-02-03

Planning Commission Hearing Date: February 27, 2024
Supplemental Staff Report Date: February 27, 2024

**Request:** A Type III Site Design Review (DR-70-23) and Type III Conditional Use Permit (CUP-02-23) to redevelop a commercially zoned property and build a new three-story self-storage facility that will be 38.6-feet in height (3.6-feet taller than the height standard of the zone). The development will include a three-story 94,764-sf building for a U-Haul moving and storage facility. The new building will have 843 interior storage spaces of various sizes, a 2,483-sf showroom/retail area, a 1,460-sf Delivery & Receiving (D&R) area, a new parking lot, landscaping, a water quality facility, and new frontage improvements.

**Applicant:** Shannon Marvin, MCP Property Mary Delfs

Lance Blades, Marketing President Owner: 2962 Baseline Street 2727 N Central Avenue Cornlius, OR 97113

Phoenix, AZ 85004

Site: 2962 Baseline Street, Cornelius, OR 97113

Map: Township 1 North, Range 3 West, Map 34 DD, Tax Lot #07700 and #07900

**Zone:** Highway Commercial, C-2

Phone 503.357.3011

<u>Process:</u> Approval of a Type III Site Design Review, Type III Conditional Use Permit and Type II Land Partition with public hearing shall be processed consistent with Cornelius Municipal Code (CMC) Section 18.15.010(C), a Type III Planning Commission Review. The application shall be processed with notice and a public hearing before the Planning Commission

pursuant to CMC Chapter 8.15.040. The notice of the Planning Commission's decision shall be provided to the applicant, interested parties, and anyone that testifies in the matter.

#### **APPEAL RIGHTS**

An affected party may appeal a decision of the Planning Commission to the City Council by filing an appeal within ten (10) working days of notice of the decision pursuant to the CMC. The notice of appeal shall indicate the decision that is being appealed and include all required contents pursuant to CMC Chapter 18.15.090.

#### APPLICABLE CRITERIA OF THE CORNELIUS MUNICIPAL CODE

- Chapters 18.10 & 18.15 (Application & Review Procedures)
- Chapter 18.45 (Highway Commercial, C-2)
- Chapter 18.100 (Site Design Review)
- Chapter 18.105 (Conditional Use Permit)
- Chapter 18.143 (Transportation Facilities)
- Chapter 18.145 (Off Street Parking and Loading)
- Chapter 18.155 (Solar Access for New Development)

Chapter 18.155 Solar Access for New Development is the sole subject of this Supplemental Staff Report. This section was inadvertently missed in the original staff report.

#### 18.155.040 Access to Sunshine.

The elements of a development plan shall be located and designed, to the maximum extent feasible, to protect access to sunshine for planned solar energy systems or for solar-oriented rooftop surfaces that can support a solar collector or collectors capable of providing for the anticipated hot water needs of the buildings in the project between the hours of 9:00 am and 8:00 pm PST on December 21<sup>st</sup>.

The project can support solar-oriented rooftop arrays to provide solar energy or power for hot water needs of the building. There is sufficient space and the solar arrays available in today's market place can be oriented to maximum the solar gain.

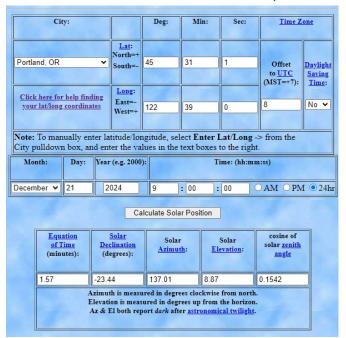
#### 18.155.050 Shading.

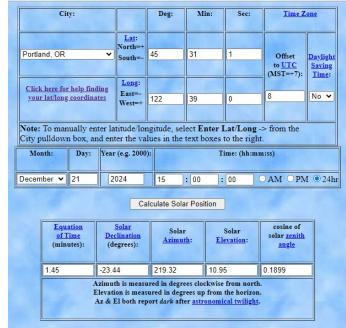
(A)The physical elements of the development plan shall be, to the maximum extent feasible, located and designed so as not to cast a shadow onto structures on adjacent property greater than the shadow which would be cast by a 25-foot hypothetical wall located along the property lines of the project between the hours of 9:00 am and 3:00 pm PST on December 21<sup>st</sup>.

#### The following picture identifies the latitude and longitude of the project site.

Assessment & Taxation Report General Property Information				
Tax Lot ID:	1N334DD07700			
Property Account ID:	R755837,			
Property Classification:	2210 See full list of Codes			
Neighborhood Code:	ZFGC			
Latitude / Longitude:	45.5208522 / - 123.035139			

The National Oceanic and Atmospheric Administration has a Solar Position Calculator on their web site. The following two charts are copied from that website and depict the solar position for the largest of the two tax lots in question. The first chart is for 9:00 am and the second chart is for 1500 hours, or 3:00 pm.

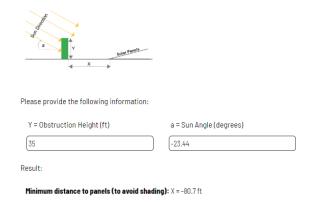




Using an obstruction shading calculator, a 25 foot height wall with the sun at 23.44 degrees (same solar declination for both times) would need a minimum distance of 57.7 feet to avoid shading. For a 38.6 foot building, the distance is 89 feet, while a 35 foot building is 80.7 feet. Based on analysis using the aerial view of the property and a GIS application, the yellow line on the next page is approximately 89 feet from the new proposed building.

#### Obstruction Shading Calculator

Calculate The Allowed Distance Between an Obstruction To Your Panels



The northern portion of the closest building would be shaded, however; the southern exposure (where you would place solar) would not be shaded as the building is set back beyond the roof pitch line.





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#### 18.155.050 Shading.

(B)The impact of trees shall be evaluated on an individual basis considering the potential impacts of the shading and the potential adverse impacts that the shading could create for the adjacent properties in terms of blocking sunlight in indoor living areas, outdoor activity areas, gardens, and similar spaces benefiting from access to sunlight.

No new trees are proposed that would potentially block sunlight to any of the adjacent properties.

Date of Supplemental Staff Report: February 27, 2024

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Barbara Fryer, AICP, Community Development Director

Exhibits: Applicant's submittal dated 02\_27\_2024

Preliminary Landscape Plan (updated 2\_27\_2024)

Solar Shadow Exhibit (dated 02 27 2024)



## PLANT SCHEDULE

<u>SYMBOL</u>	BOTANICAL NAME	COMMON NAME	SIZE	<u>QTY</u>
CONIFEROUS TREES				
	Calocedrus decurrens	Incense Cedar	5` HT. MIN.	2
Ō	Chamaecyparis obtusa `Gracilis`	Slender Hinoki Cypress	6` HT. MIN	8
The state of the s	Pseudotsuga menziesii	Douglas Fir	5` HT. MIN.	2
	Thuja plicata	Western Red Cedar	5` HT. MIN.	2
STREET TREES				
	Cercidiphyllum japonicum	Katsura Tree	2" CAL. MIN. B&B	2
	Davidia involucrata	Handkerchief Tree	2" CAL. MIN. B&B	2
	Fagus sylvatica 'Atropunicea'	Purple European Beech	2" CAL. MIN. B&B	4
	Liriodendron tulipifera	Tulip Tree	2" CAL. MIN. B&B	2
	Quercus coccinea	Scarlet Oak	2" CAL. MIN. B&B	2
3	Quercus rubra	Red Oak	2" CAL. MIN. B&B	2
	Ulmus americana 'Princeton'	Princeton American Elm	2" CAL. MIN. B&B	2
SHRUBS	Berberis thunbergii `Crimson Pygmy` Cistus x hybridus	Crimson Pygmy Barberry White Rockrose	2 GAL 2 GAL	17 40
<b>③</b>	Nandina domestica `Burgandy Wine	Burgandy Wine Heavenly Bamboo	2 GAL	22
<b>⊙</b> ⊙	Pinus mugo mugo Potentilla fruticosa	Dwarf Mugo Pine Bush Cinquefoil	2 GAL 2 GAL	4 6
<u>o</u>	Rhododendron x `Hino-crimson` Thuja occidentalis 'Smaragd'	Hino-crimson Kurume Azalea Emerald Green Arborvitae	2 GAL 6` HT. MIN.	12 60
GRASSES	,			
*	Helictotrichon sempervirens	Blue Oat Grass	2 GAL	22
SYMBOL CODE	BOTANICAL NAME	COMMON NAME	SIZE SPAC	ING QTY
GROUND COVERS  LAWN	Lawn Hydroseed	Drought Tolerant Fescue Blend		19,557 sf

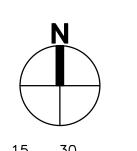
### STREET TREES & PUBLIC WORKS TREE DIVERSITY REQUIREMENTS

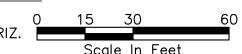
- N. 29th Avenue 360 LF Frontage / 30' Tree = 12 Street Trees E. Baseline Street 217 LF Frontage / 30' Tree = 8 Street Trees 20 Total Street Trees Required

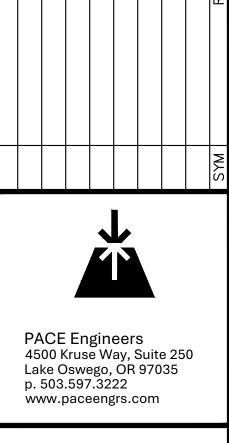
10 different tree species, 9 different tree genera, & 7 different tree families proposed.

CWS STORMWATER FACILITY PLANTING STANDARDS (4.09.2 Detention Pond) 6,551 SF TOTAL AREA

Plant Species per CWS standards, Appendix A "Storm Water Facility (swf)" 3 or more evergreen species, pond bottom side slopes and freeboard to be fully vegetated







**PRELIMINARY** 

V. BRIAN WAY OREGON 08/31/2024

850 850 547

FEB 2024 AS SHOWN DESIGNED BY: CHECKED BY BDL JOB NUMBER

23836.00 DWG NAME: P23836 LP-COLOR PLAN

SHEET <u>C7</u> OF <u>11</u>

