



Planning & Development Division
Planning & Economic Development Department

Room 160
 411 West First Street
 Duluth, Minnesota 55802

☎ 218-730-5580

✉ planning@duluthmn.gov

File Number	PL 22-143	Contact	Chris Lee, clee@duluthmn.gov	
Type	MU-C Planning Review	Planning Commission Date	September 13, 2022	
Deadline for Action	Application Date	September 7, 2022	60 Days	September 19, 2022
	Date Extension Letter Mailed	September 7, 2022	120 Days	November 18, 2022
Location of Subject	Sundby Road and W Page Street			
Applicant	Kinseth Hotel Corporation	Contact	Aaron Mailey	
Agent	Northland Consulting Engineers	Contact	David Bolf	
Legal Description	Parcel ID Number 010-2710-04594			
Site Visit Date	September 1, 2022	Sign Notice Date	August 30, 2022	
Neighbor Letter Date	August 31, 2022	Number of Letters Sent	15	

Proposal

The applicant is proposing to construct a 4-story hotel with 112 parking stalls.

Staff Recommendation

Staff is recommending that planning commission approve the planning review.

	Current Zoning	Existing Land Use	Future Land Use Map Designation
Subject	MU-C	Undeveloped	Central Business Secondary
North	MU-C	Undeveloped	Central Business Secondary
South	MU-C	Undeveloped	Central Business Secondary
East	MU-C	Undeveloped	Low Density Residential
West	RR-1	Commercial - Retail	Open Space

Summary of Code Requirements

50-15.3.E MU-C District – Planning review by the Planning Commission is required for most development and redevelopment. Development Standards:

1. The location, size and number of curb cuts shall be designed to minimize traffic congestion or hazard in the area. Any traffic control improvements required as a result of the proposal such as traffic signals, turning lanes, medians, signage and other types of improvements necessary to accommodate traffic flow to and from the proposed project shall be paid for by the property owner. Any additional right-of-way or easements needed shall be provided by the property owner at no cost to the city;
2. Any necessary public easements over the subject property shall be dedicated, and any necessary improvements within such easements or other easements adjacent to the subject property shall be made.

50-18.1 Shoreland, Flood Plains, Wetlands, Stormwater.

50-23 Connectivity and Circulation – Focuses on pedestrian and bicycle accommodations.

50-24 Parking and Loading – Addresses required parking spaces, loading docks, and snow storage.

50-25 Landscaping and Tree Preservation – Landscaping requirements and tree preservation

50-26 Screening, Walls, and Fences – Screening of equipment, loading areas, etc., plus fences & retaining walls.

50-29 Sustainability Standards – Sustainability point system for new development.

50-30 Design Standards – Building standards for multi-family, commercial, institutional, and industrial buildings.

50-31 Exterior Lighting – Directs the minimum and maximum illumination values and lighting fixtures for a site.

50-37.11 Planning Review – Planning Commission shall approve the Planning Review or approve it with modifications, if it is determined that the application complies with all applicable provisions of this Chapter.

Comprehensive Plan Governing Principle and/or Policies and Current History (if applicable):

Governing Principles

Governing Principle #4 – Support economic growth sectors, including tourism.

Future Land Use

Central Business Secondary: An area adjacent to and supporting the central business primary area or a stand-alone area providing a similar mix of destination land uses but at a lower intensity than the primary CB area. Includes mixed regional and neighborhood retail, employment centers, public spaces, medium density residential, and public parking facilities.

Review and Discussion Items

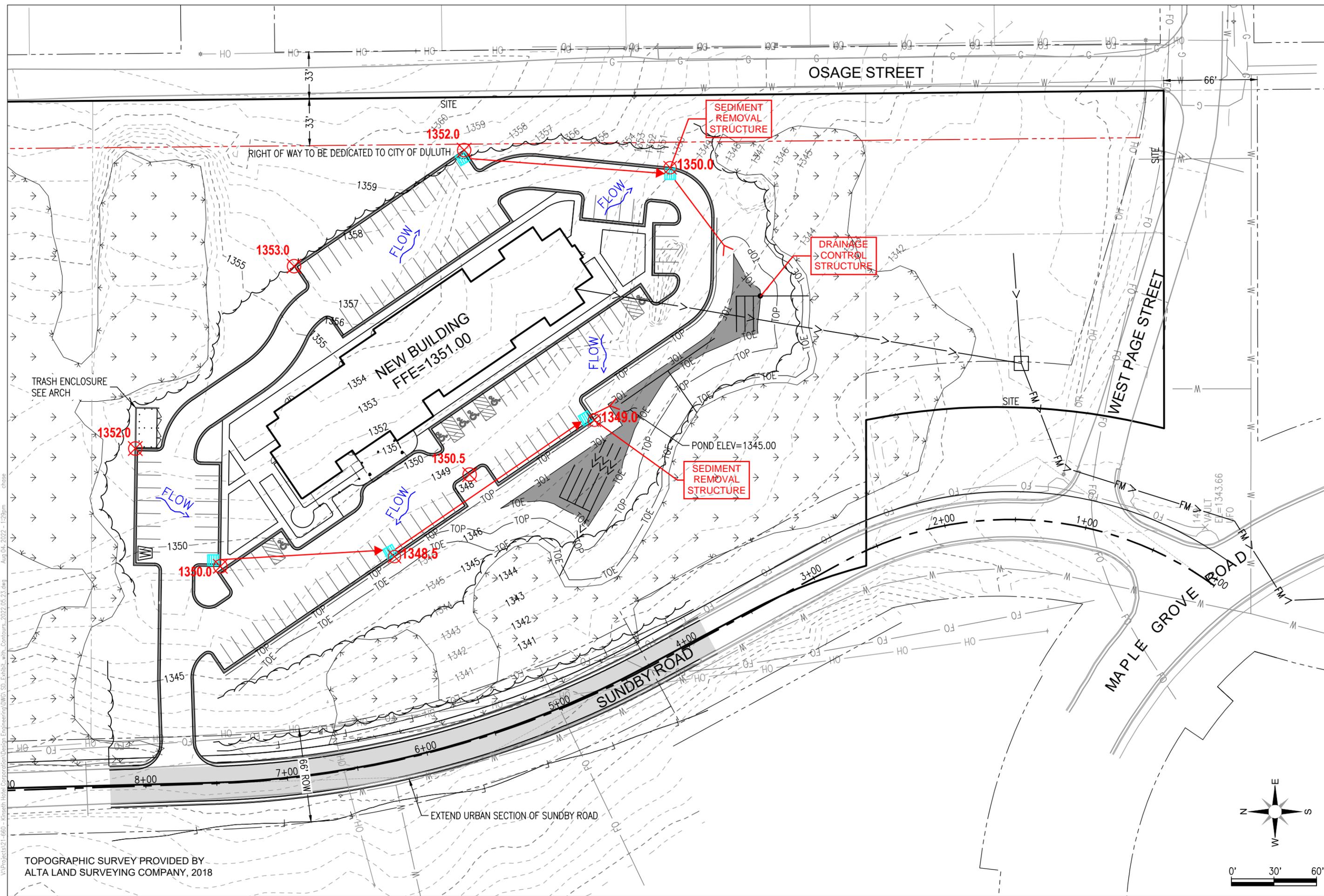
Staff finds:

- 1) The applicant is proposing to construct a 4 story, 51' tall hotel. The applicant will be required to verify the maximum height of the structure at the time of building permit application.
- 2) 50-15.3 (MU-C District) –Not Applicable: The applicant is not proposing any public easements.
- 3) 50-18.1.B (Wetlands) – Wetland delineation performed June 2022 show that wetlands are present on site, but will not be impacted.
- 4) 50-18.1.E (Stormwater Management) –Storm water will be routed to two basins that will discharge to adjacent wetlands.
- 5) 50-23 (Connectivity) – Not applicable as Sundby Road does not have sidewalks nor is it shown on any bikeways, trail, or pedestrian plan.
- 6) 50-24 (Parking) – The plan shows 112 parking stalls which is the maximum (2 spaces per 3 guest rooms): 53 in the front, 58 in the rear and side.
- 7) 50-25 (Landscaping) – The landscape plan shows 21 trees, exceeding the required 19 for parking lot coverage. The required frontage landscaping is met with 33 trees and 149 shrubs. The applicant will must provide details of interior parking lot landscaping that meets the UDC requirements in 50-25.4.B
- 8) 50-26 (Screening) – The applicant proposes UDC compliant trash enclosure in the north corner of the parking lot. Any ground mounted or roof mounted mechanicals are required to be screened.
- 9) 50-27 (Signs) – None shown, but can be obtained via a separate permit.
- 10) 50-29 (Sustainability) – This development will be required to obtain a minimum of 4 sustainability points.
- 11) 50-30 (Design Standards) – The proposed plans meet requirements.
- 12) 50-31 (Exterior Lighting) – The applicant has submitted a photometric plan that indicates UDC compliant lighting.
- 13) No comments have been received from City or other agencies or the general public.
- 14) Per UDC 50-37.1.N, an approved Planning Review will expire if the project or activity authorized is not begun within one year, which may be extended for one additional year at the discretion of the Land Use Supervisor

Staff Recommendation

Based on the above findings, Staff recommends that Planning Commission the Planning Review with the following conditions:

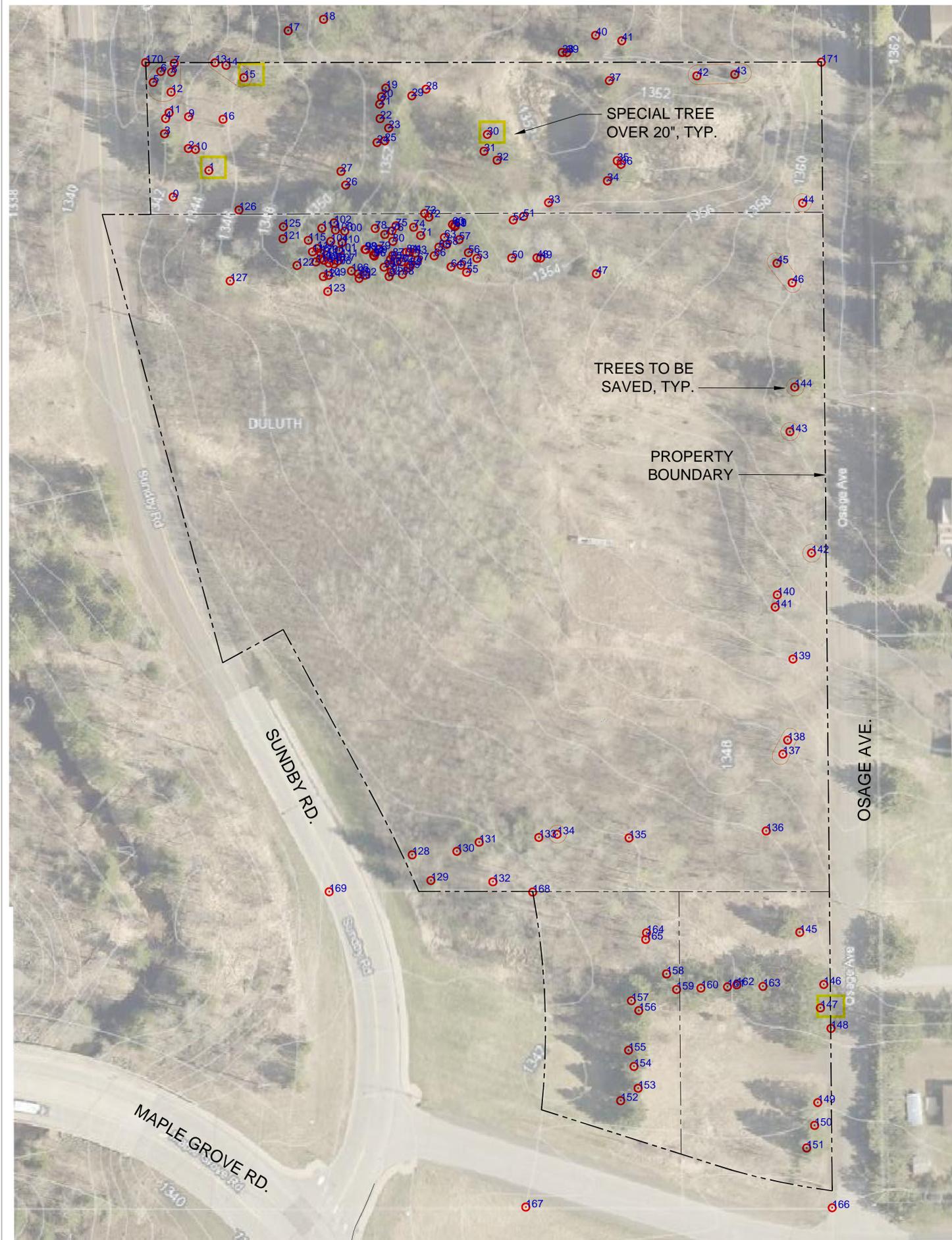
- 1.) Applicant shall construct and maintain the project as identified in the attached exhibits.
- 2.) Applicant shall verify that the height meets the maximum allowed in the MU-C zone district.
- 3.) Applicant shall show on the landscaping plans that interior parking lot landscaping requirement is meet prior to staff approval of the building permit.
- 4.) Applicant shall submit details of any mechanical screening prior to approval of the building permit.
- 5.) Applicant shall submit plans that indicate a minimum of 4 sustainability points are achieved.
- 6.) Any alterations to the approved plans that do not alter major elements of the plan may be approved by the Land Use Supervisor without further Planning Commission approval; however, no such administrative approval shall constitute a variance from the provisions of Chapter 50.



TOPOGRAPHIC SURVEY PROVIDED BY
ALTA LAND SURVEYING COMPANY, 2018

revision

V:\Projects\21-660 - Kinseth Hotel Corporation\Design\Engineering\DWG\SD_Exhibit_with_Contours_2022.05.23.dwg
 Aug 04, 2022 - 1:29pm chese



Pt ID	Species	Diameter	Comment	UDC Classification
0	White Birch	10.75	Removed	Tree of Interest
1	White Spruce	22.00	Removed	Special Tree
2	Balsam Fir	14.25	Removed	Tree of Interest
3	Balsam Fir	10.50	Removed	Tree of Interest
4	White Spruce	17.50	Removed	Special Tree
5	Balsam Fir	13.75	SAVED	Tree of Interest
6	White Spruce	13.50	SAVED	Special Tree
7	White Spruce	10.00	SAVED	Special Tree
8	White Spruce	12.50	SAVED	Special Tree
9	Silver Maple	16.25	Removed	Tree of Interest
10	Silver Maple	29.50	Removed	Tree of Interest
11	Silver Maple	11.25	Removed	Tree of Interest
12	Silver Maple	13.00	SAVED	Tree of Interest
13	White Spruce	15.25	SAVED	Special Tree
14	White Spruce	12.25	SAVED	Special Tree
15	Red Pine	23.25	SAVED	Special Tree
16	White Birch	14.00	Removed	Tree of Interest
17	Balsam Fir	13.50	Off Property	Tree of Interest
18	Red Pine	17.50	Off Property	Special Tree
19	White Spruce	16.25	Removed	Special Tree
20	White Spruce	12.75	Removed	Special Tree
21	White Spruce	12.50	Removed	Special Tree
22	White Spruce	15.75	Removed	Special Tree
23	Red Pine	15.75	Removed	Special Tree
24	Red Pine	15.50	Removed	Special Tree
25	Red Pine	18.25	Removed	Special Tree
26	Red Pine	19.00	Removed	Special Tree
27	Red Pine	17.50	Removed	Special Tree
28	Sugar Maple	15.25	Removed	Special Tree
29	Red Oak	7.00	Removed	Tree of Interest
30	Red Pine	22.50	Removed	Special Tree
31	Red Pine	19.75	Removed	Special Tree
32	Jack Pine	18.50	Removed	Tree of Interest
33	White Spruce	7.75	Removed	Tree of Interest
34	Red Pine	12.75	Wetland Tree	Special Tree
35	Tamarack	7.00	Wetland Tree	Tree of Interest
36	Jack Pine	8.50	Wetland Tree	Tree of Interest
37	White Spruce	8.50	Wetland Tree	Special Tree
38	White Spruce	13.00	Off Property	Special Tree
39	White Spruce	9.75	Off Property	Special Tree
40	White Birch	12.00	Off Property	Tree of Interest
41	White Spruce	12.75	Off Property	Special Tree
42	White Spruce	7.75	SAVED	Tree of Interest
43	White Spruce	7.50	SAVED	Tree of Interest
44	Tamarack	9.25	SAVED	Tree of Interest
45	White Birch	10.50	SAVED	Tree of Interest
46	Green Ash	11.25	SAVED	Tree of Interest
47	Quaking Aspen	16.00	Removed	Tree of Interest
48	Paper Birch	11.25	Removed	Tree of Interest
49	Quaking Aspen	17.00	Removed	Tree of Interest
50	Quaking Aspen	13.50	Removed	Tree of Interest
51	Quaking Aspen	10.25	Removed	Tree of Interest
52	Quaking Aspen	11.50	Removed	Tree of Interest
53	Red Pine	14.50	Removed	Special Tree
54	Red Pine	12.50	Removed	Special Tree
55	Red Pine	10.50	Removed	Special Tree
56	Red Pine	14.00	Removed	Special Tree
57	Red Pine	10.50	Removed	Special Tree
58	Red Pine	10.00	Removed	Special Tree
59	Red Pine	11.50	Removed	Special Tree
60	Red Pine	13.75	Removed	Special Tree
61	Red Pine	11.75	Removed	Special Tree
62	Red Pine	10.50	Removed	Special Tree
63	Red Pine	8.25	Removed	Special Tree
64	Red Pine	14.00	Removed	Special Tree
65	Red Pine	11.75	Removed	Special Tree
66	Red Pine	6.50	Removed	Tree of Interest
67	Red Pine	10.25	Removed	Special Tree
68	Red Pine	15.00	Removed	Special Tree
69	Red Pine	13.75	Removed	Special Tree
70	Red Pine	10.00	Removed	Special Tree
71	Red Pine	12.00	Removed	Special Tree
72	Red Pine	13.00	Removed	Special Tree
73	Red Pine	12.75	Removed	Special Tree
74	Red Pine	9.25	Removed	Special Tree
75	White Birch	13.00	Removed	Tree of Interest
76	Red Pine	12.25	Removed	Special Tree
77	Red Pine	10.50	Removed	Special Tree
78	Red Pine	13.25	Removed	Special Tree
79	Red Pine	9.50	Removed	Special Tree
80	Red Pine	7.25	Removed	Tree of Interest
81	Red Pine	7.75	Removed	Tree of Interest
82	Red Pine	8.00	Removed	Special Tree
83	Red Pine	8.00	Removed	Special Tree
84	Red Pine	8.75	Removed	Special Tree
85	Red Pine	9.25	Removed	Special Tree

Pt ID	Species	Diameter	Removed	UDC Classification
86	Red Pine	10.75	Removed	Special Tree
87	Red Pine	10.25	Removed	Special Tree
88	Red Pine	14.25	Removed	Special Tree
89	Red Pine	8.25	Removed	Special Tree
90	Red Pine	15.00	Removed	Special Tree
91	Red Pine	6.75	Removed	Special Tree
92	Red Pine	14.00	Removed	Special Tree
93	Red Pine	8.00	Removed	Special Tree
94	Red Pine	6.50	Removed	Tree of Interest
95	Red Pine	9.50	Removed	Special Tree
96	Red Pine	8.00	Removed	Special Tree
97	Red Pine	10.50	Removed	Special Tree
98	Red Pine	10.50	Removed	Special Tree
99	Red Pine	8.75	Removed	Special Tree
100	Red Pine	8.25	Removed	Special Tree
101	Red Pine	10.50	Removed	Special Tree
102	Red Pine	11.00	Removed	Special Tree
103	Red Pine	11.50	Removed	Special Tree
104	Red Pine	10.00	Removed	Special Tree
105	Red Pine	8.75	Removed	Special Tree
106	Red Pine	7.50	Removed	Tree of Interest
107	Red Pine	8.50	Removed	Special Tree
108	Red Pine	10.50	Removed	Special Tree
109	Red Pine	6.25	Removed	Tree of Interest
110	Red Pine	14.20	Removed	Special Tree
111	Red Pine	7.50	Removed	Tree of Interest
112	Red Pine	10.00	Removed	Special Tree
113	Red Pine	14.00	Removed	Special Tree
114	Red Pine	11.75	Removed	Special Tree
115	Red Pine	14.50	Removed	Special Tree
116	Red Pine	9.75	Removed	Special Tree
117	Red Pine	8.50	Removed	Special Tree
118	Red Pine	6.50	Removed	Tree of Interest
119	Red Pine	8.75	Removed	Special Tree
120	Red Pine	6.00	Removed	Tree of Interest
121	Red Pine	14.00	Removed	Special Tree
122	Red Pine	16.00	Removed	Special Tree
123	Red Pine	16.00	Removed	Special Tree
124	Red Pine	14.75	Removed	Special Tree
125	Balsam Fir	10.50	Removed	Tree of Interest
126	White Spruce	9.25	Removed	Special Tree
127	Quaking Aspen	14.75	Removed	Tree of Interest
128	White Spruce	12.50	Wetland Tree	Special Tree
129	White Spruce	9.50	Wetland Tree	Special Tree
130	White Spruce	8.25	Wetland Tree	Special Tree
131	White Spruce	11.50	Wetland Tree	Special Tree
132	Quaking Aspen	10.25	Wetland Tree	Tree of Interest
133	Quaking Aspen	10.25	Wetland Tree	Tree of Interest
134	Quaking Aspen	11.00	SAVED	Tree of Interest
135	Quaking Aspen	11.50	Wetland Tree	Tree of Interest
136	Quaking Aspen	12.25	Wetland Tree	Tree of Interest
137	Quaking Aspen	11.25	SAVED	Tree of Interest
138	Quaking Aspen	10.75	SAVED	Tree of Interest
139	Quaking Aspen	10.00	Removed	Tree of Interest
140	Quaking Aspen	10.75	Removed	Tree of Interest
141	Quaking Aspen	11.00	Removed	Tree of Interest
142	Quaking Aspen	11.75	SAVED	Tree of Interest
143	White Spruce	9.50	SAVED	Special Tree
144	White Spruce	17.75	SAVED	Special Tree
145	White Spruce	16.25	Out of Development Area	Special Tree
146	Red Pine	18.50	Out of Development Area	Special Tree
147	Red Pine	20.00	Out of Development Area	Special Tree
148	Red Pine	19.50	Out of Development Area	Special Tree
149	White Spruce	19.50	Out of Development Area	Special Tree
150	White Spruce	15.25	Out of Development Area	Special Tree
151	Balsam Fir	12.50	Out of Development Area	Tree of Interest
152	White Spruce	17.50	Out of Development Area	Special Tree
153	White Spruce	18.00	Out of Development Area	Special Tree
154	White Spruce	16.00	Out of Development Area	Special Tree
155	White Spruce	14.25	Out of Development Area	Special Tree
156	White Spruce	19.50	Out of Development Area	Special Tree
157	White Spruce	16.75	Out of Development Area	Special Tree
158	Red Pine	13.25	Out of Development Area	Special Tree
159	Red Pine	17.75	Out of Development Area	Special Tree
160	White Spruce	10.50	Out of Development Area	Special Tree
161	White Spruce	9.50	Out of Development Area	Special Tree
162	White Spruce	10.50	Out of Development Area	Special Tree
163	Red Pine	17.00	Out of Development Area	Special Tree
164	Balsam Poplar	11.50	Out of Development Area	Tree of Interest
165	Balsam Poplar	14.50	Out of Development Area	Tree of Interest
166		0.00	Property Corner	
167		0.00	Property Corner	
168		0.00	Property Corner	
169		0.00	Property Corner	
170		0.00	Property Corner	
171		0.00	Property Corner	



LANDSCAPE ARCHITECTURE

ASSOCIATES

WWW.SASLANDARCH.COM

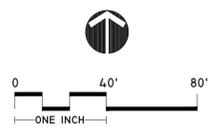
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ISSUE RECORD/REVISION

PURPOSE	DATE

KINSETH HOTEL CORPORATION
SUNDBY RD.
DULUTH, MINNESOTA



SHEET KEY

SHEET TITLE
TREE INVENTORY

DATE: 8/5/2022

DRAWN BY: AMA

CHECKED BY: LWS

PROJECT NUMBER
22100

SHEET NUMBER
L-1.0

Aug 05, 2022 - 10:26am
P:2210 - Sundby Road Level Sheet: 2210 - Sundby Rd Inventory



LANDSCAPE ARCHITECTURE

+ ASSOCIATES

WWW.SASLANDARCH.COM

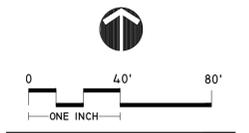
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ISSUE RECORD/REVISION

PURPOSE	DATE

KINSETH HOTEL CORPORATION
 SUNDBY RD.
 DULUTH, MINNESOTA



SHEET KEY

SHEET TITLE
UDC LANDSCAPE PLAN

DATE: 8/5/2022

DRAWN BY: AMA

CHECKED BY: LWS

PROJECT NUMBER
22100

SHEET NUMBER
L-1.1

UDC CALCULATIONS	
PARKING LOT SIZE:	45,545 SF (112 SPACES)
INTERIOR LANDSCAPING:	45,545 SF PARKING AREA INTERNAL ISLANDS REQUIRED: 6,832 SF PROVIDED: 3,705 SF (8.1%) 1 TREE/300 SF INTERNAL LANDSCAPE AREA REQUIRED: 19 TREES PROVIDED: 21 TREES MINIMUM 30% TREE CANOPY REQUIRED REQUIRED: 13,664 SF PROVIDED: 14,014 SF
STREET FRONTAGE #1 LINEAR STREET FOOTAGE:	SUNDBY RD. 600 LF
TREES:	1 TREE/35 FT. LINEAR FRONTAGE REQUIRED: 17 TREES PROVIDED: 17 TREES
SHRUBS:	3 LARGE SHRUBS/25 FT. LINEAR FRONTAGE REQUIRED: 72 LARGE SHRUBS/GRASSES PROVIDED: 82 LARGE SHRUBS/GRASSES
STREET FRONTAGE #2 LINEAR STREET FOOTAGE:	OSAGE AVE. 550 LF
TREES:	1 TREE/35 FT. LINEAR FRONTAGE REQUIRED: 16 TREES PROVIDED: 16 TREES
SHRUBS:	3 LARGE SHRUBS/25 FT. LINEAR FRONTAGE REQUIRED: 66 LARGE SHRUBS/GRASSES PROVIDED: 67 LARGE SHRUBS/GRASSES
ALL PLANT SELECTIONS WILL MEET UDC REQUIREMENTS ALL SHRUB PLANTING BEDS TO INCLUDE 3-4" SHREDDED HARDWOOD MULCH WITH LANDSCAPE FABRIC ALL DISTURBED AREAS NOT PLANTED WITH SHRUBS/TREES ARE TO BE SODDED OR PLANTED WITH NATIVE GRASSES; SEE PLANS FOR DETAIL.	

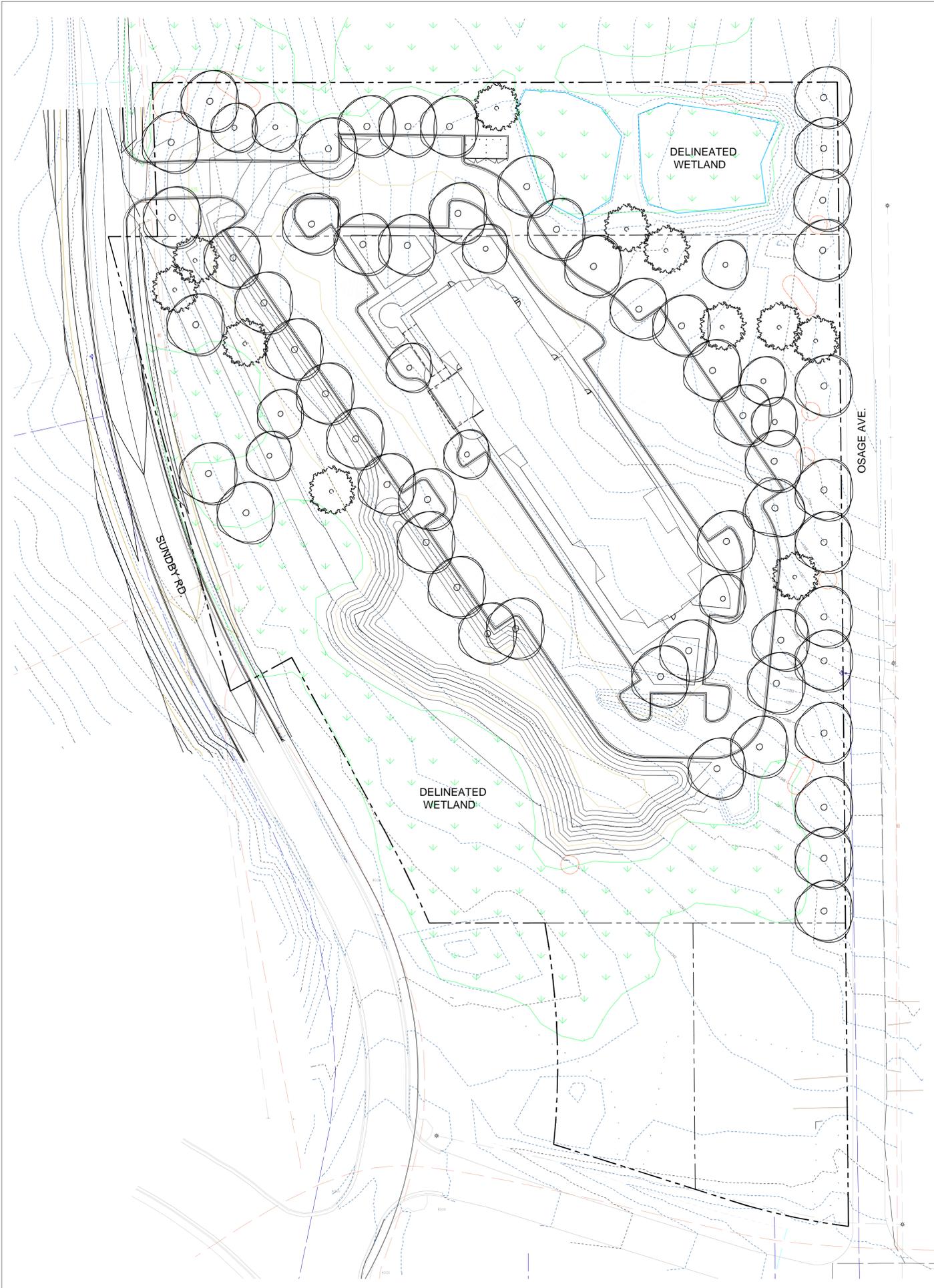
LANDSCAPE KEY

	Common Name	Scientific Name	Size	Type	Quantity	Height	Width
TREES							
AM	Apollo Maple	Acer saccharum 'Barrett Cole'	2.5"	B&B		25'	10-15'
BL	Boulevard Linden	Tilia americana 'Boulevard'	2.5"	B&B		50-60'	25-30'
FFM	Fall Fiesta Maple	Acer saccharum 'Bailista'	2.5"	B&B		50-75'	50'
JE	Jefferson Elm	Ulmus americana 'Jefferson'	2.5"	B&B		70'	50'
MSO	Majestic Skies Oak	Quercus ellipsoidalis 'Bailiskies'	2.5"	B&B		60'	45'
NFM	Northern Flare Maple	Acer saccharum 'Sisseton'	2.5"	B&B		40-50'	30-40'
NP	Norway Pine	Pinus resinosa	6"	B&B		50-80'	30-40'
PE	Princeton Elm	Ulmus americana 'Princeton'	2.5"	B&B		60'	40'
SL	Sentry Linden	Tilia americana 'McSentry'	2.5"	B&B		40-45'	25-30'
SWO	Swamp White Oak	Quercus bicolor	2.5"	B&B		50-60'	40-50'
WRS	White Spruce	Picea glauca	6"	B&B		40-60'	15-20'
SHRUBS							
APS	Acrocona Pusch Spruce	Picea abies 'Acrocona Pusch'	#3	Container		2-3'	3-4'
BBH	Butterfly Bush Honeysuckle	Diervilla sessilifolia 'Butterfly'	#2	Container		3-5'	3-4'
DPB	Double Play Big Bang Spirea	Spiraea japonica 'Tracy'	#2	Container		2-3'	2-3'
LGI	Lime Glow Juniper	Juniperus horizontalis 'Lime Glow'	#3	Container		18"	3-5'
ORNAMENTAL GRASSES							
ORG	Overdam Feather Reed Grass	Calamagrostis x acutiflora 'Overdam'	#1	Container		24-36"	18"
SSG	Shenandoah Red Switch Grass	Panicum virgatum 'Shenandoah'	#1	Container		36"	24"
TPD	Tara Prairie Dropseed	Sporobolus heterolepis 'Tara'	#1	Container		18-24"	12"

LEGEND

- PARKING LOT AREA
- PARKING LOT TREE CANOPY COVERAGE
- INTERNAL PARKING LOT ISLANDS
- PARKING LOT TREE
- LANDSCAPE EDGER

Aug 05, 2022 - 10:52am
 P:\2210 - Sunby Road Hotel\SiteB - 2210 - Sunby Rd\Reed.dwg



TREE PRESERVATION AND REPLACEMENT PLAN			
TREE PRESERVATION CREDITS (50-25.6)			
DBH of Preserved Tree	Quantity	# of Trees Credited	Total
Over 12 in.	8	3	24
8 in. to 11.9 in.	9	2	18
5 in. to 7.9 in.	2	1	2
TOTAL TREE CREDITS		44	

TREES TO BE REMOVED			
SPECIAL TREES			
ID NO.	Species	DBH	UDC Designation
1	White Spruce	22.00	Special Tree
4	White Spruce	17.50	Special Tree
19	White Spruce	16.25	Special Tree
20	White Spruce	12.75	Special Tree
21	White Spruce	12.50	Special Tree
22	White Spruce	15.75	Special Tree
23	Red Pine	15.75	Special Tree
24	Red Pine	15.50	Special Tree
25	Red Pine	18.25	Special Tree
26	Red Pine	19.00	Special Tree
27	Red Pine	17.50	Special Tree
28	Sugar Maple	15.25	Special Tree
30	Red Pine	22.50	Special Tree
31	Red Pine	19.75	Special Tree
53	Red Pine	14.50	Special Tree
54	Red Pine	12.50	Special Tree
55	Red Pine	10.50	Special Tree
56	Red Pine	14.00	Special Tree
57	Red Pine	10.50	Special Tree
58	Red Pine	10.00	Special Tree
59	Red Pine	11.50	Special Tree
60	Red Pine	13.75	Special Tree
61	Red Pine	11.75	Special Tree
62	Red Pine	10.50	Special Tree
63	Red Pine	8.25	Special Tree
64	Red Pine	14.00	Special Tree
65	Red Pine	11.75	Special Tree
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68	Red Pine	15.00	Special Tree
69	Red Pine	13.75	Special Tree
70	Red Pine	10.00	Special Tree
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83	Red Pine	8.00	Special Tree
84	Red Pine	8.75	Special Tree
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86	Red Pine	10.75	Special Tree
87	Red Pine	10.25	Special Tree
88	Red Pine	14.25	Special Tree
89	Red Pine	8.25	Special Tree
90	Red Pine	15.00	Special Tree
91	Red Pine	6.75	Special Tree
92	Red Pine	14.00	Special Tree
93	Red Pine	8.00	Special Tree
95	Red Pine	9.50	Special Tree
96	Red Pine	8.00	Special Tree
97	Red Pine	10.50	Special Tree
98	Red Pine	10.50	Special Tree
99	Red Pine	8.75	Special Tree
100	Red Pine	8.25	Special Tree
101	Red Pine	10.50	Special Tree
102	Red Pine	11.00	Special Tree
103	Red Pine	11.50	Special Tree
104	Red Pine	10.00	Special Tree
105	Red Pine	8.75	Special Tree
107	Red Pine	8.50	Special Tree
108	Red Pine	10.50	Special Tree
110	Red Pine	14.20	Special Tree
112	Red Pine	10.00	Special Tree
113	Red Pine	14.00	Special Tree
114	Red Pine	11.75	Special Tree
115	Red Pine	14.50	Special Tree
116	Red Pine	9.75	Special Tree
117	Red Pine	8.50	Special Tree
119	Red Pine	8.75	Special Tree
121	Red Pine	14.00	Special Tree
122	Red Pine	16.00	Special Tree
123	Red Pine	16.00	Special Tree
124	Red Pine	14.75	Special Tree
126	White Spruce	9.25	Special Tree
Total DBH Removed		944.2	

TREES TO BE REMOVED			
TREES OF INTEREST			
ID NO.	Species	DBH	UDC Designation
0	White Birch	10.75	Tree of Interest
2	Balsam Fir	14.25	Tree of Interest
3	Balsam Fir	10.50	Tree of Interest
9	Silver Maple	16.25	Tree of Interest
10	Silver Maple	29.50	Tree of Interest
11	Silver Maple	11.25	Tree of Interest
16	White Birch	14.00	Tree of Interest
29	Red Oak	7.00	Tree of Interest
32	Jack Pine	18.50	Tree of Interest
33	White Spruce	7.75	Tree of Interest
47	Quaking Aspen	16.00	Tree of Interest
48	Paper Birch	11.25	Tree of Interest
49	Quaking Aspen	17.00	Tree of Interest
50	Quaking Aspen	13.50	Tree of Interest
51	Quaking Aspen	10.25	Tree of Interest
52	Quaking Aspen	11.50	Tree of Interest
66	Red Pine	6.50	Tree of Interest
75	White Birch	13.00	Tree of Interest
80	Red Pine	7.25	Tree of Interest
81	Red Pine	7.75	Tree of Interest
94	Red Pine	6.50	Tree of Interest
106	Red Pine	7.50	Tree of Interest
109	Red Pine	6.25	Tree of Interest
111	Red Pine	7.50	Tree of Interest
118	Red Pine	6.50	Tree of Interest
120	Red Pine	6.00	Tree of Interest
125	Balsam Fir	10.50	Tree of Interest
127	Quaking Aspen	14.75	Tree of Interest
139	Quaking Aspen	10.00	Tree of Interest
140	Quaking Aspen	10.75	Tree of Interest
141	Quaking Aspen	11.00	Tree of Interest
Removed		351.0	

DBH REPLACEMENT REQUIREMENTS (50-25.9)				
Tree Type	# to be Removed	DBH to be Removed	% DBH to be Replaced	Replacement Requirement (in.)
Trees of Interest	31	351.0	20%	70.2
Special Trees	77	944.2	40%	377.7
TOTAL	108	1295.2	n/a	447.9

TREE REPLACEMENT CALCULATIONS: Trees to be Planted

IF REPLACING WITH:	Trees of Interest (1 in/ 1 in required)
Number of Trees	180
Caliper of Trees	2.5
TOTAL INCHES REPLACED	450
TOTAL INCHES REQUIRED	447.9

IF REPLACING WITH:	Special Trees (1 in/ 1.5 in required)
Number of Trees	120
Caliper of Trees	2.5
TOTAL INCHES REPLACED	450
TOTAL INCHES REQUIRED	447.9

TREE REPLACEMENT w/ TREE PRESERVATION CREDITS:

TOTAL TREE CREDITS=	44
SPECIAL TREES REQ'D=	120
TREES OF INTEREST REQ'D=	180

Per UDC Section 50-25.6, trees to be preserved will count towards the total number needed for replacement, up to 50%. With those factored in, the following are the final replacement numbers for both Special Trees and Trees of Interest:

SPECIAL TREES REQUIRED=	76
TREES OF INTEREST REQUIRED=	136

TREE REPLACEMENT NOTE:

REPLACEMENT TREE QUANTITY CAN BE REDUCED BY CONTRIBUTING CASH IN LIEU TO THE CITY TREE FUND. TREE QUANTITIES SHOWN ARE USING SPECIAL TREE SPECIES (USING OTHER SPECIES WOULD REQUIRE ADDITIONAL TREE PLANTINGS; SEE CHART 50-25.6).



LANDSCAPE ARCHITECTURE

+ ASSOCIATES

WWW.SASLANDARCH.COM

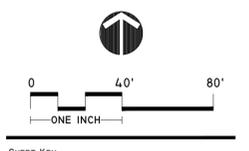
219 WEST FIRST STREET, SUITE 350
DULUTH, MN 55802
(P) 218.391.1335
MAIL@SASLANDARCH.COM

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ISSUE RECORD/REVISION

PURPOSE	DATE

KINSETH HOTEL CORPORATION
SUNDBY RD.
DULUTH, MINNESOTA



SHEET KEY

SHEET TITLE
TREE REPLACEMENT PLAN

DATE: 8/5/2022

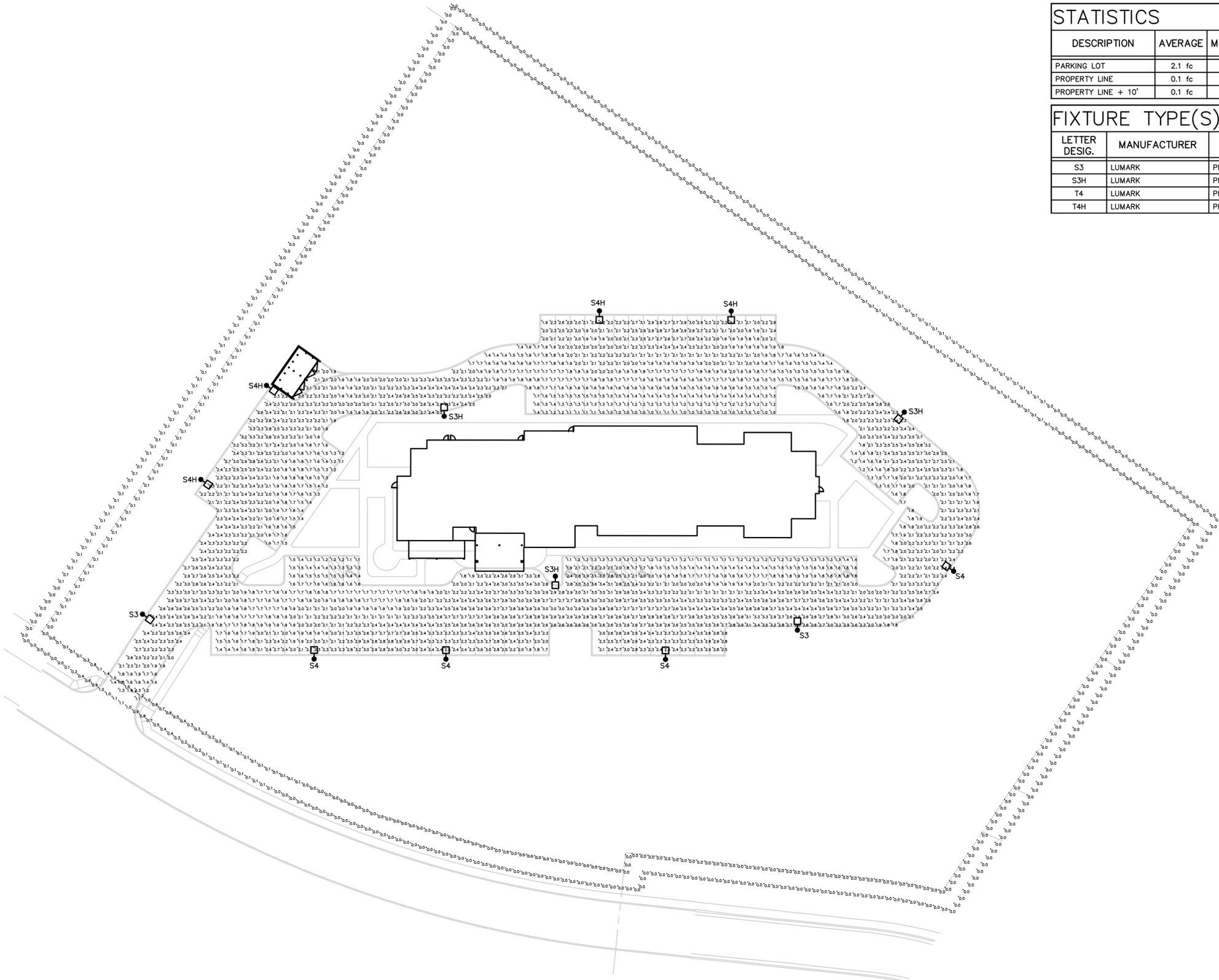
DRAWN BY: AMA

CHECKED BY: LWS

PROJECT NUMBER
22100

SHEET NUMBER
L-1.2

Aug 05, 2022 - 10:30am
P:2210 - Sundby Road Hotel Site - 2210 - Sundby Rd Redwing



STATISTICS

DESCRIPTION	AVERAGE	MAXIMUM	MINIMUM	MAX/MIN	AVG/MIN
PARKING LOT	2.1 fc	3.6 fc	1.0 fc	3.6:1	2.1:1
PROPERTY LINE	0.1 fc	1.5 fc	0.0 fc	N/A	N/A
PROPERTY LINE + 10'	0.1 fc	1.1 fc	0.0 fc	N/A	N/A

FIXTURE TYPE(S)

LETTER DESIG.	MANUFACTURER	CATALOG NUMBER	LAMPS		LUMENS	MOUNTING HEIGHT
			NO.	TYPE		
S3	LUMARK	PRV-C40-D-UNV-T3-SA-BZ	-	LED W/ UNITS	17,100	25'-0" POLE ON 3' BASE
S3H	LUMARK	PRV-C40-D-UNV-T3-SA-BZ-HSS	-	LED W/ UNITS	17,100	25'-0" POLE ON 3' BASE
T4	LUMARK	PRV-C40-D-UNV-T4-SA-BZ	-	LED W/ UNITS	17,100	25'-0" POLE ON 3' BASE
T4H	LUMARK	PRV-C40-D-UNV-T4-SA-BZ-HSS	-	LED W/ UNITS	17,100	25'-0" POLE ON 3' BASE

Project	Catalog #	Type
Prepared by	Notes	Date



Lumark
Prevail LED
 Area / Site Luminaire

Product Features

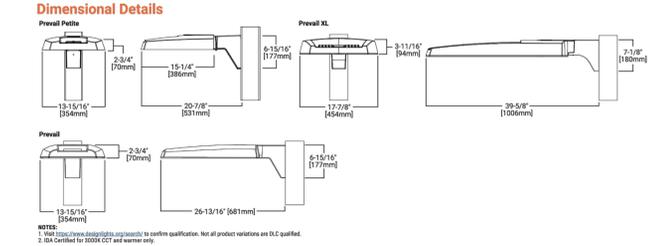
- Interactive Menu
 - Ordering Information page 2
 - Mounting Details page 3
 - Optical Configurations page 4
 - Product Specifications page 4
 - Energy and Performance Data page 5
 - Control Options page 6

Product Certifications

Connected Systems

- WaveLinX

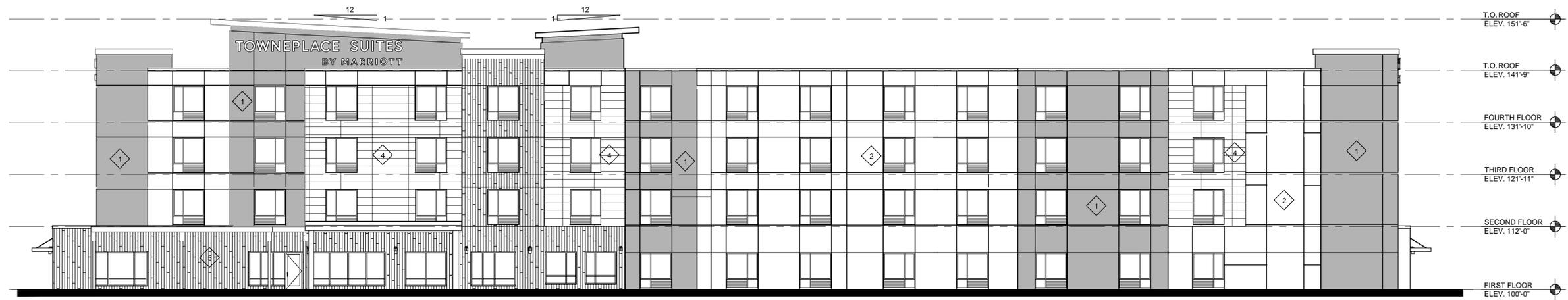
- Quick Facts**
- Lumen packages range from 4,800 - 52,300 lumens (35W - 350W)
 - Replaces 70W up to 1,000W HID equivalents
 - Efficacies up to 160 lumens per watt
 - Energy and maintenance savings up to 85% versus HID solutions
 - Standard universal quick mount arm with universal drill pattern



COOPER Lighting Solutions
 PS50001EN page 1
 February 14, 2022 11:55 AM

A SITE PHOTOMETRICS
 1/32" = 1'-0"

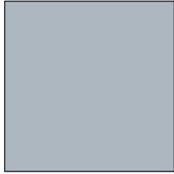
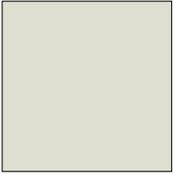
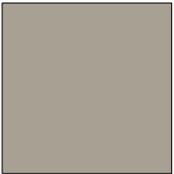


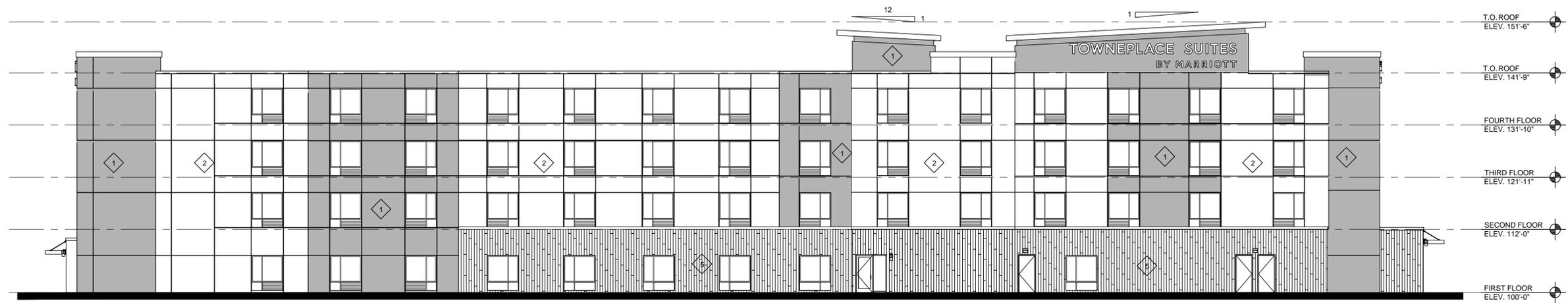


B SOUTHWEST ELEVATION
 3/32" = 1'-0"
 0' 5' 10' 20'

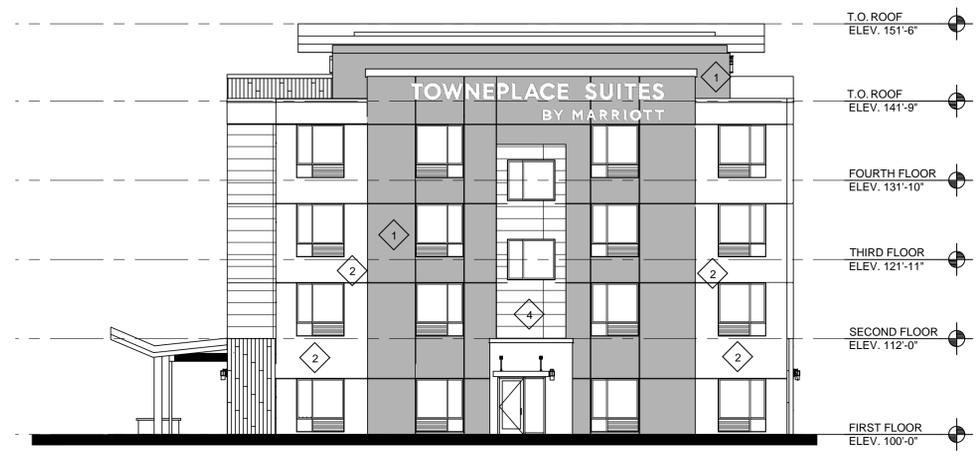


A NORTHWEST ELEVATION
 3/32" = 1'-0"
 0' 5' 10' 20'

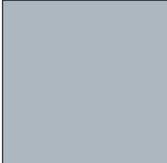
- | | |
|---|---|
|  |  |
| 1 EIFS, COLOR : BENJAMIN MOORE
"MANOR BLUE" No. 1627 (CLR13414) | 2 EIFS, COLOR : BENJAMIN MOORE
"NOVEMBER RAIN" No. 2142-60 (CLR13415) |
|  |  |
| 4 EIFS, COLOR : MATCH CONTROL
COLOR SW 6006 "BLACK BEAN" | 5 EIFS, COLOR : MATCH CONTROL
COLOR SW 7045 "INTELLECTUAL GREY" |



B NORTHEAST ELEVATION
 3/32" = 1'-0"
 0' 5' 10' 20'



A SOUTHEAST ELEVATION
 3/32" = 1'-0"
 0' 5' 10' 20'

- | | |
|---|---|
|  |  |
| 1 EIFS, COLOR : BENJAMIN MOORE
"MANOR BLUE" No. 1627 (CLR13414) | 2 EIFS, COLOR : BENJAMIN MOORE
"NOVEMBER RAIN" No. 2142-60 (CLR13415) |
|  |  |
| 4 EIFS, COLOR : MATCH CONTROL
COLOR SW 6006 "BLACK BEAN" | 5 EIFS, COLOR : MATCH CONTROL
COLOR SW 7045 "INTELLECTUAL GREY" |