

# ALTERNATIVES 5, 6, & 7 DESIGN DOCUMENTS



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# SITE PLANS

ALTERNATIVE 5: PAGE 4

ALTERNATIVE 6: PAGE 5

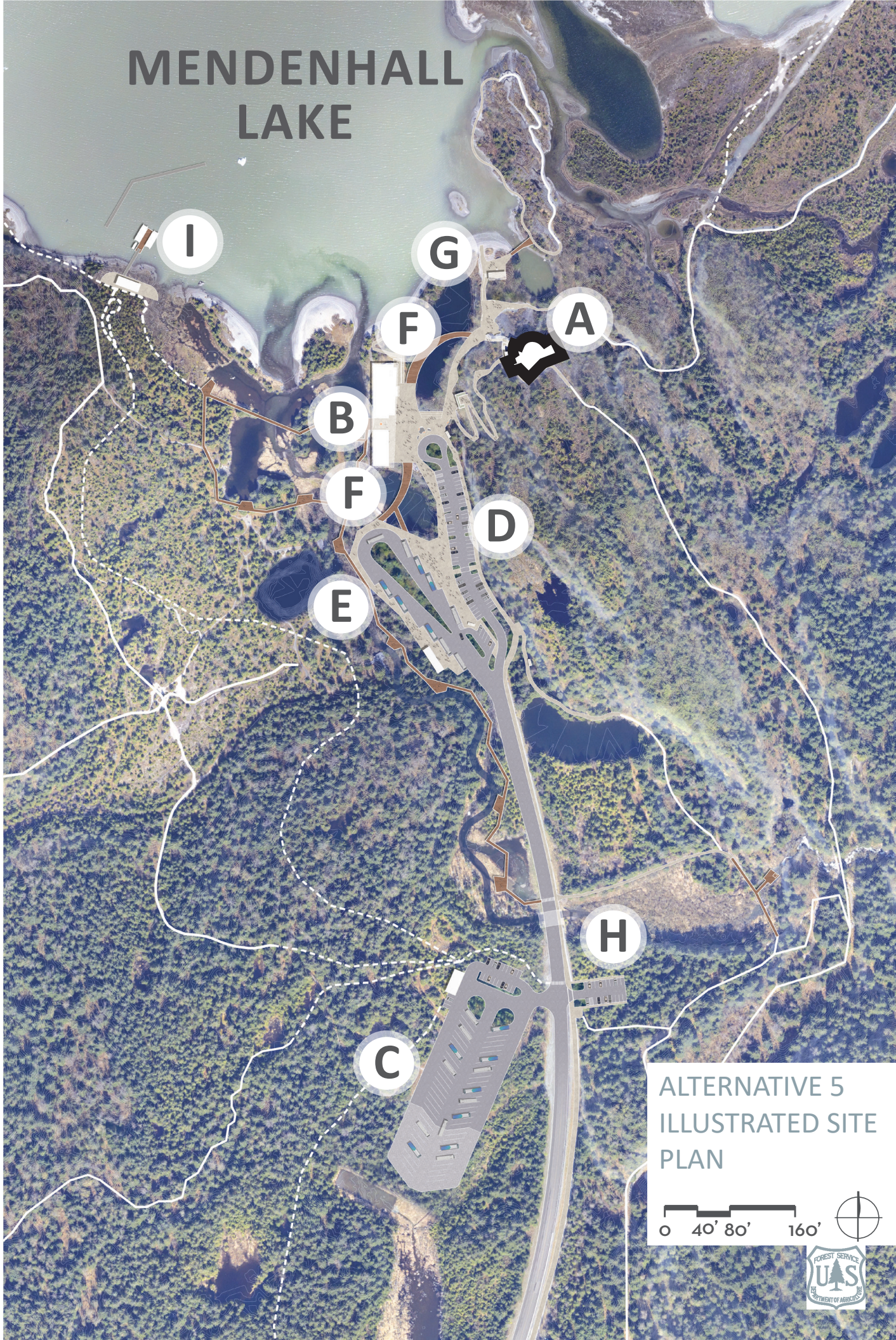
ALTERNATIVE 7: PAGE 6

## LEGEND:

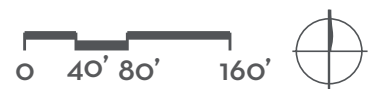
- A VISITOR CENTER
- B WELCOME CENTER
- C COMMERCIAL PARKING
- D PRIVATE PARKING
- E BUS DROP-OFF / PICK-UP
- F VIEWING DECK
- G OUTDOOR AUDITORIUM
- H TRAILHEAD PARKING
- I BOAT DOCK
- J SHUTTLE CIRCULATOR



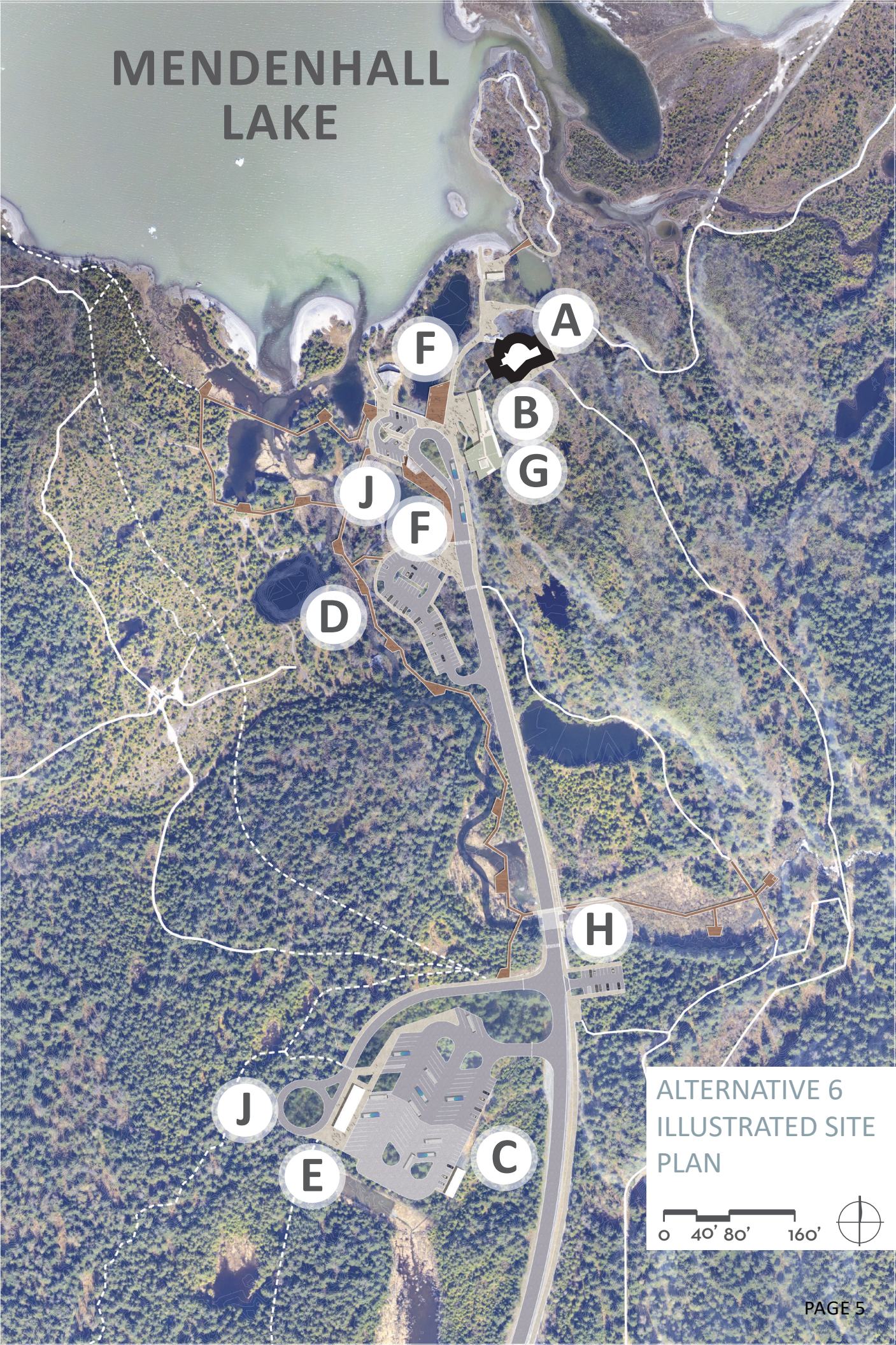
# MENDENHALL LAKE



ALTERNATIVE 5  
ILLUSTRATED SITE  
PLAN



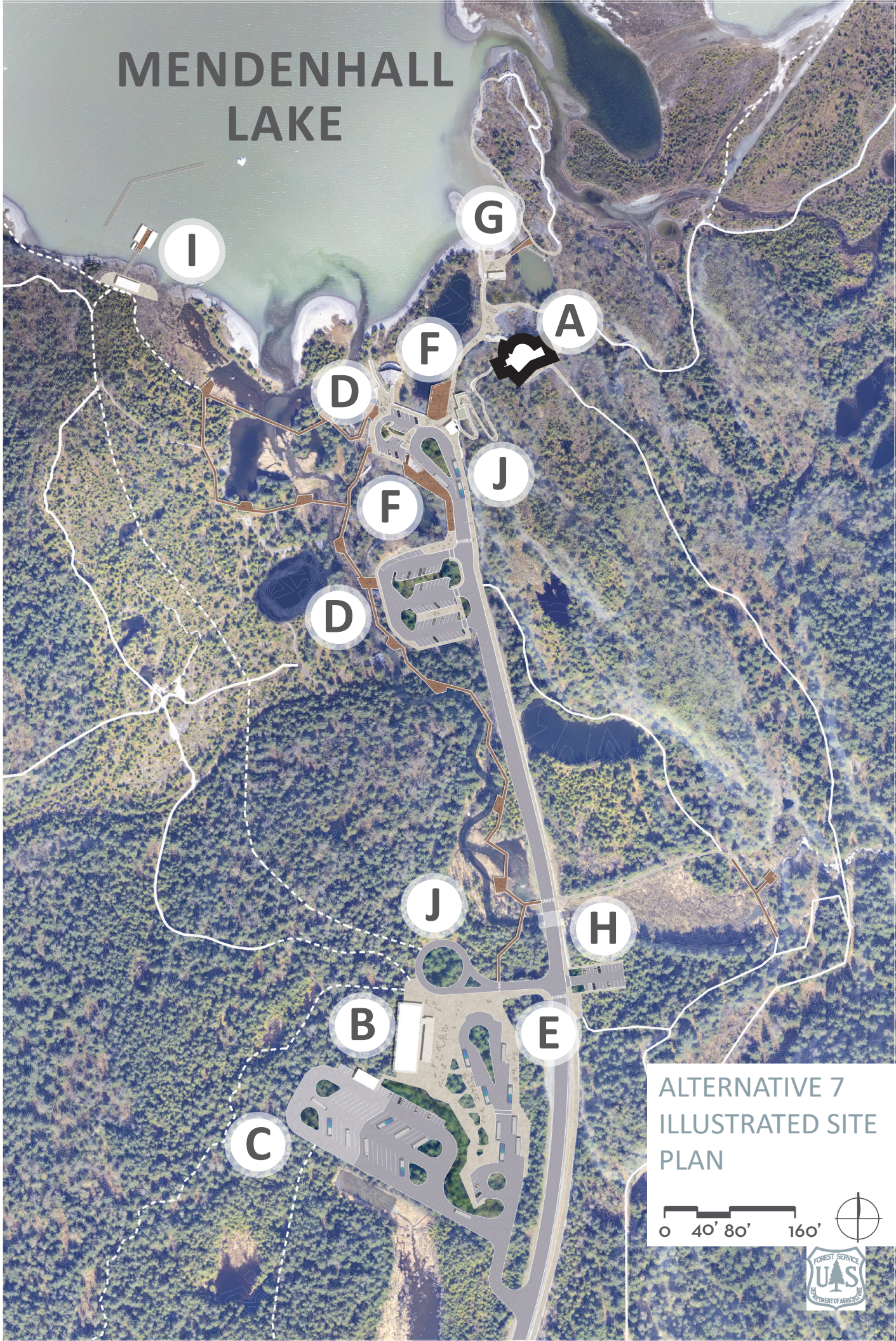
# MENDENHALL LAKE



ALTERNATIVE 6  
ILLUSTRATED SITE  
PLAN



# MENDENHALL LAKE



ALTERNATIVE 7  
ILLUSTRATED SITE  
PLAN



# WELCOME CENTER ARCHITECTURAL DESIGN DRAWINGS

ALTERNATIVE 5: PAGE 8

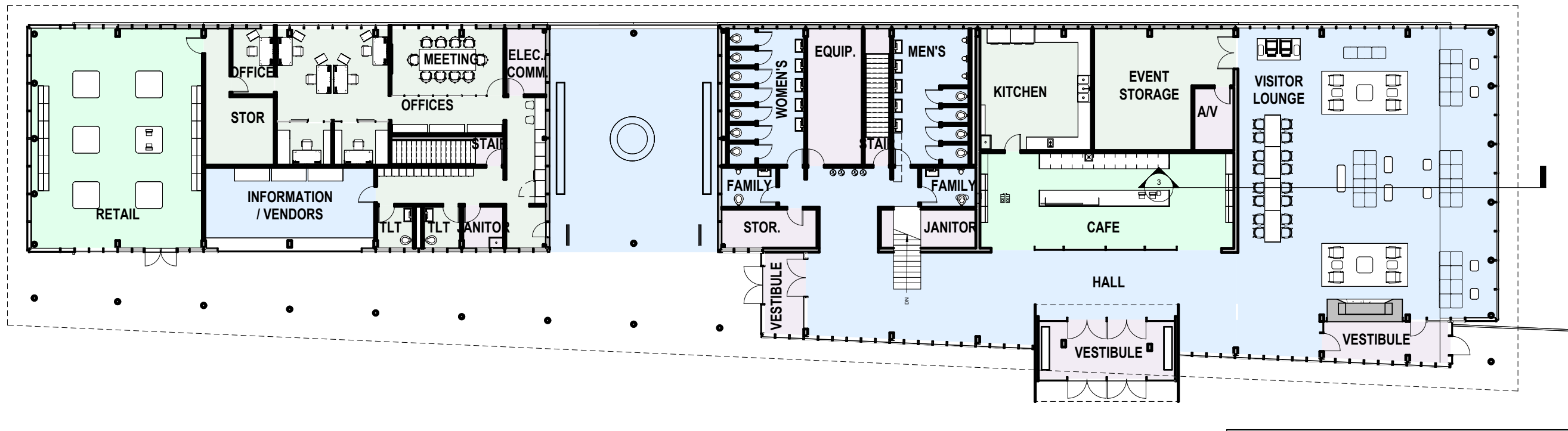
ALTERNATIVE 6: PAGE 9

ALTERNATIVE 7: PAGE 13



**MENDENHALL**  
GLACIER RECREATION AREA





① FLOOR PLAN - PRESENTATION  
 3/32" = 1'-0"



ALTERNATIVE 5  
 WELCOME CENTER  
 FLOOR PLAN

FIRST FLOOR PLAN

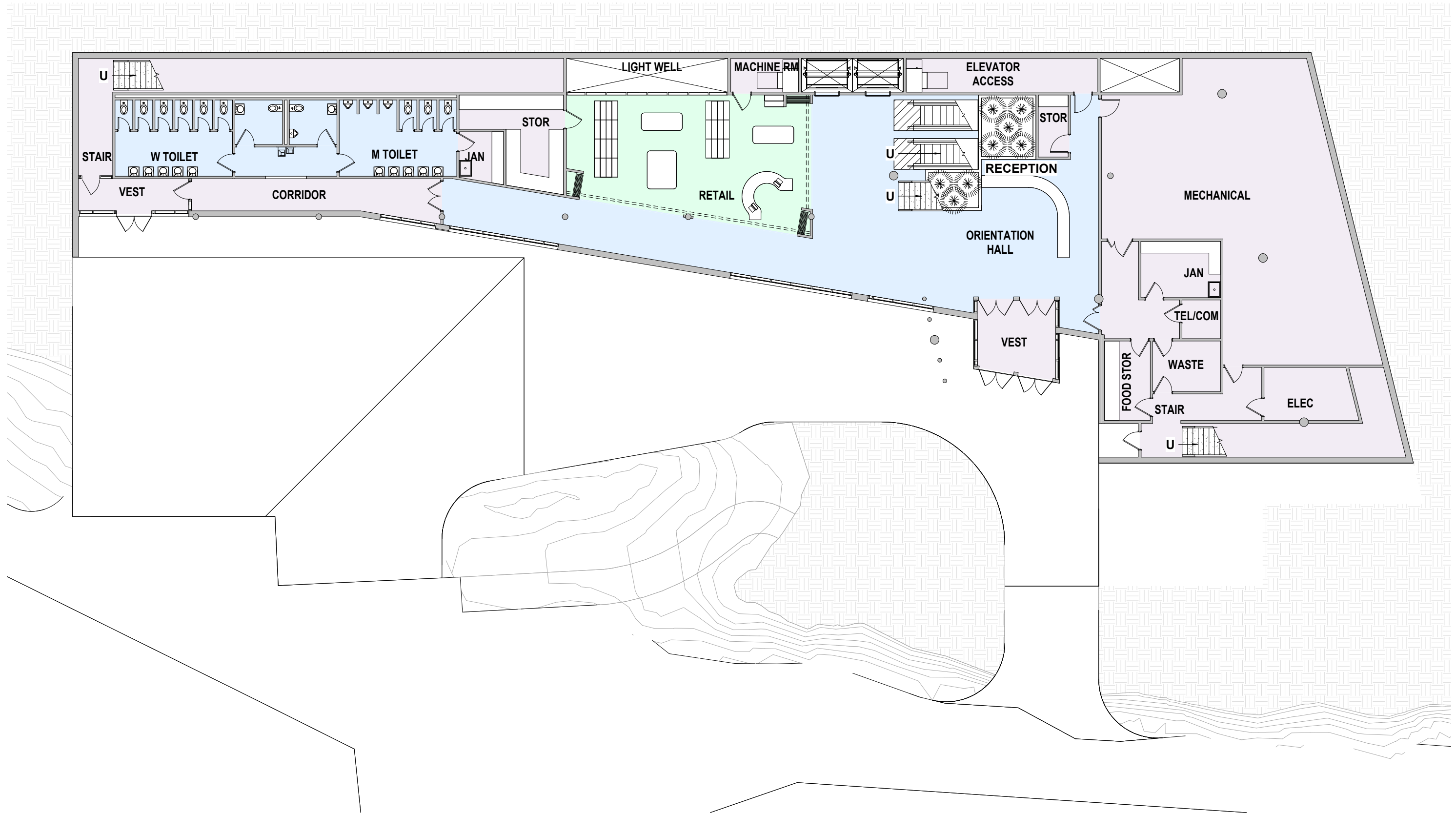
WELCOME CENTER  
 MGRA  
 SCHEMATIC  
 ISSUE DATE: 12/22/22

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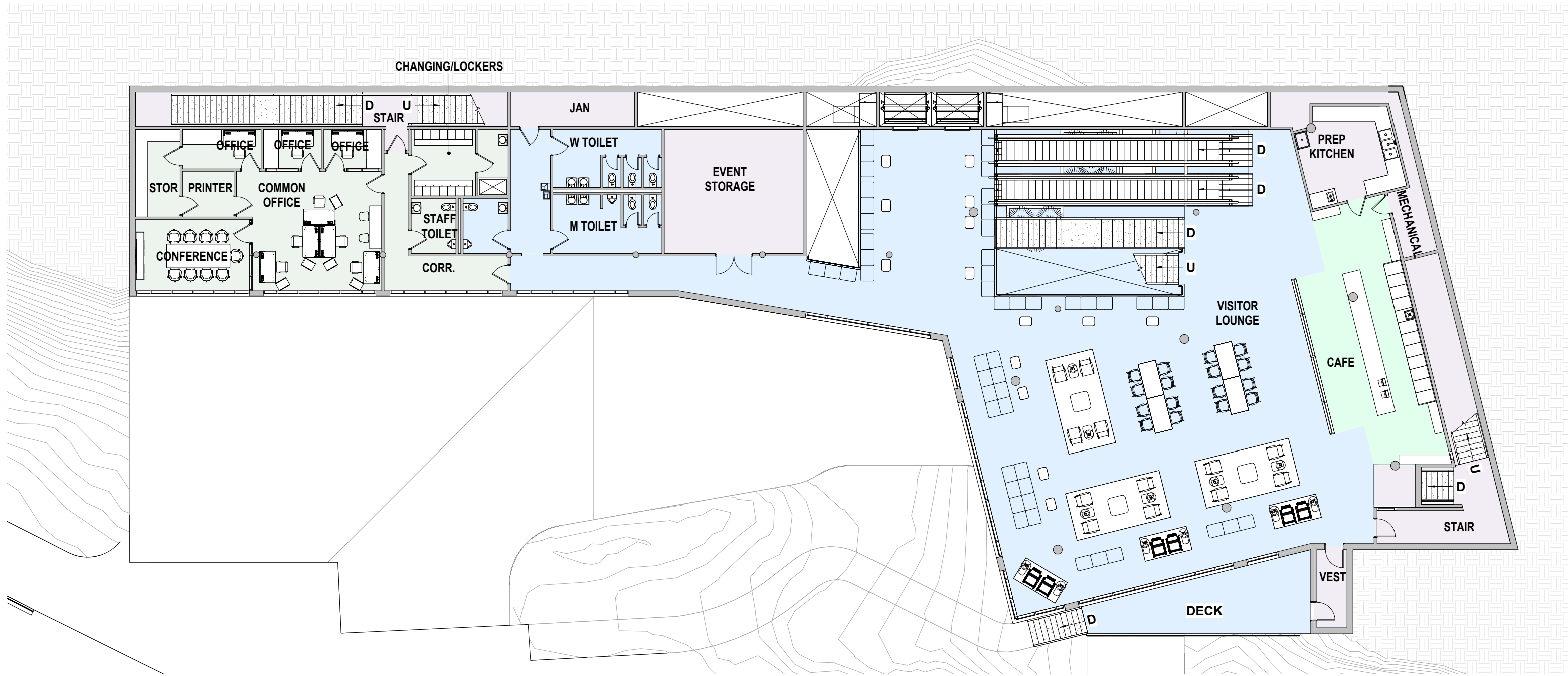


① HAMMER LEVEL 1 PLAN  
1/8" = 1'-0"



ALTERNATIVE 6  
WELCOME CENTER  
LEVEL 1 PLAN

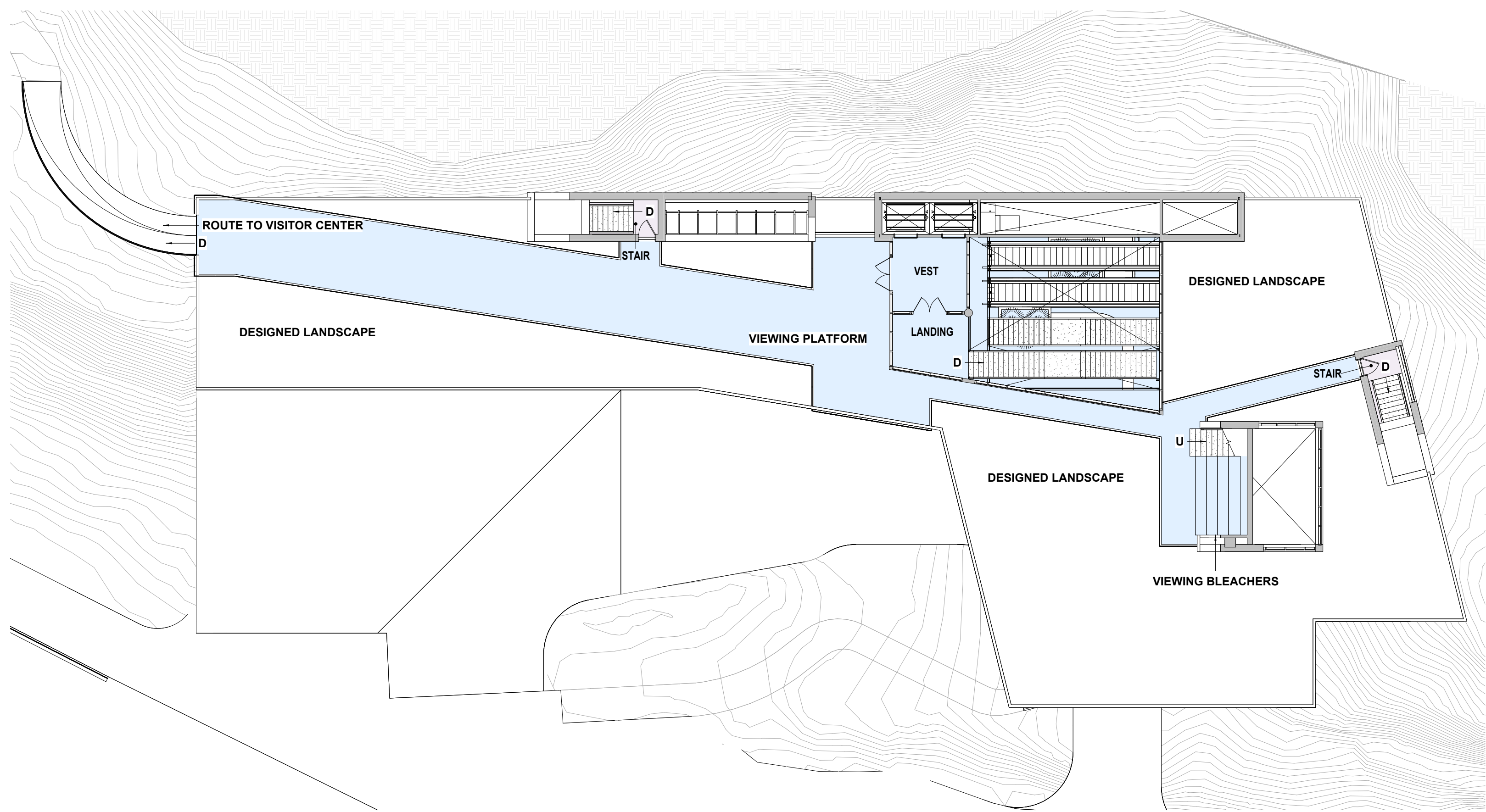




① HAMMER LEVEL 2 PLAN  
1/8" = 1'-0"



ALTERNATIVE 6  
WELCOME CENTER  
LEVEL 2 PLAN



① HAMMER LEVEL 3 PLAN  
1/8" = 1'-0"

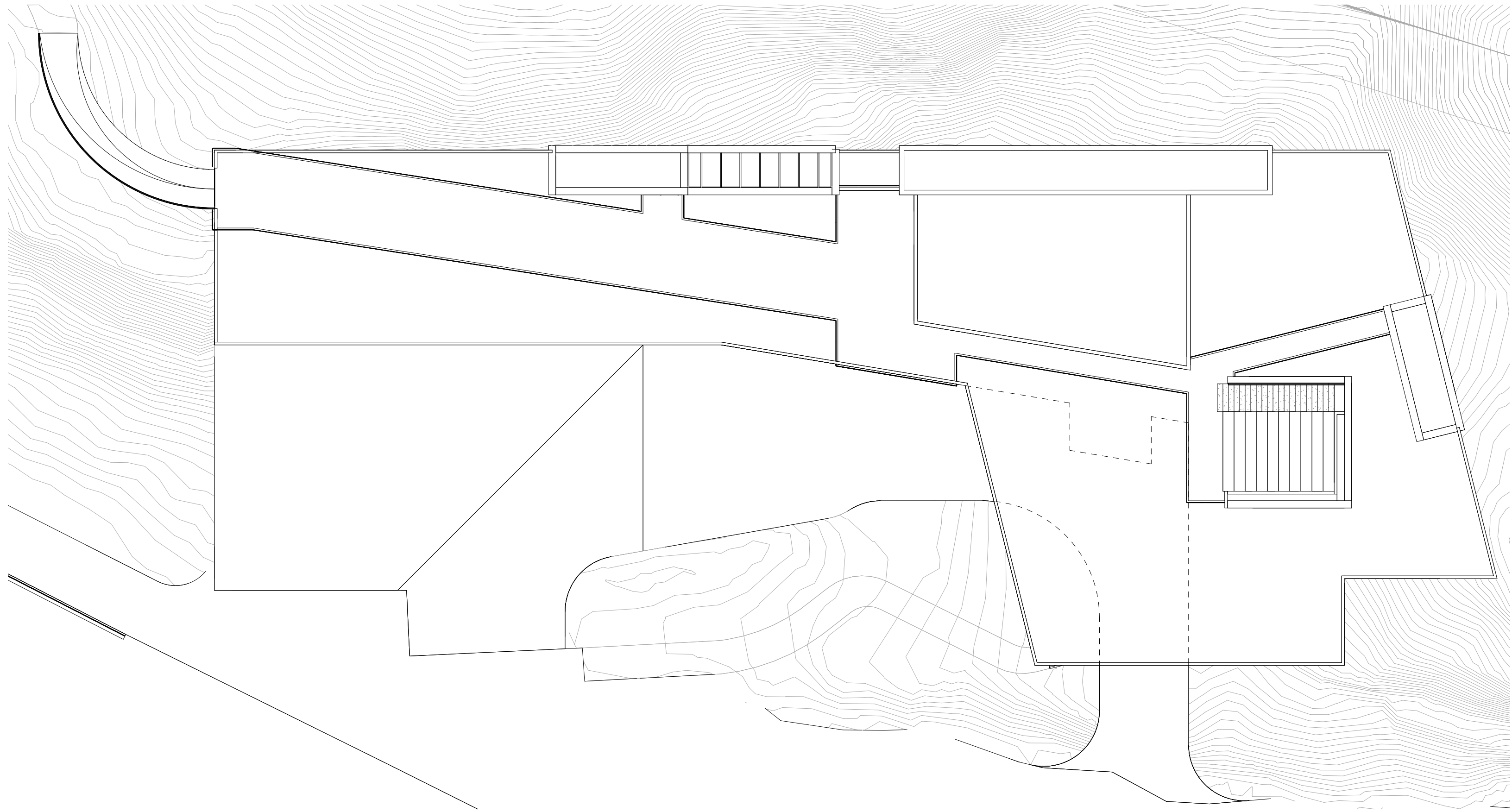


ALTERNATIVE 6  
WELCOME CENTER  
LEVEL 3 PLAN

Welcome Center  
MENDENHALL GLACIER  
CONCEPT DESIGN  
ISSUE DATE: 12.22.2022

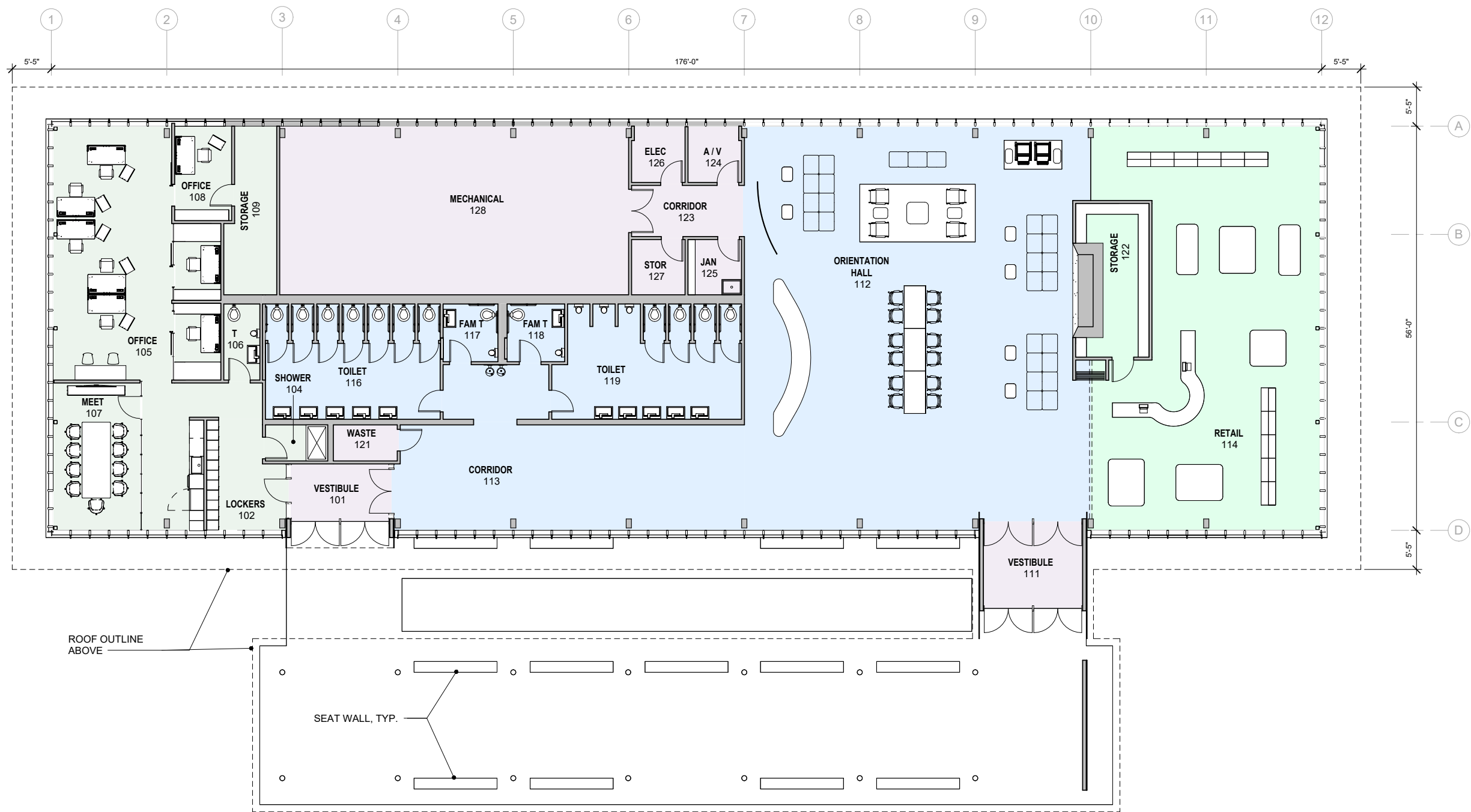
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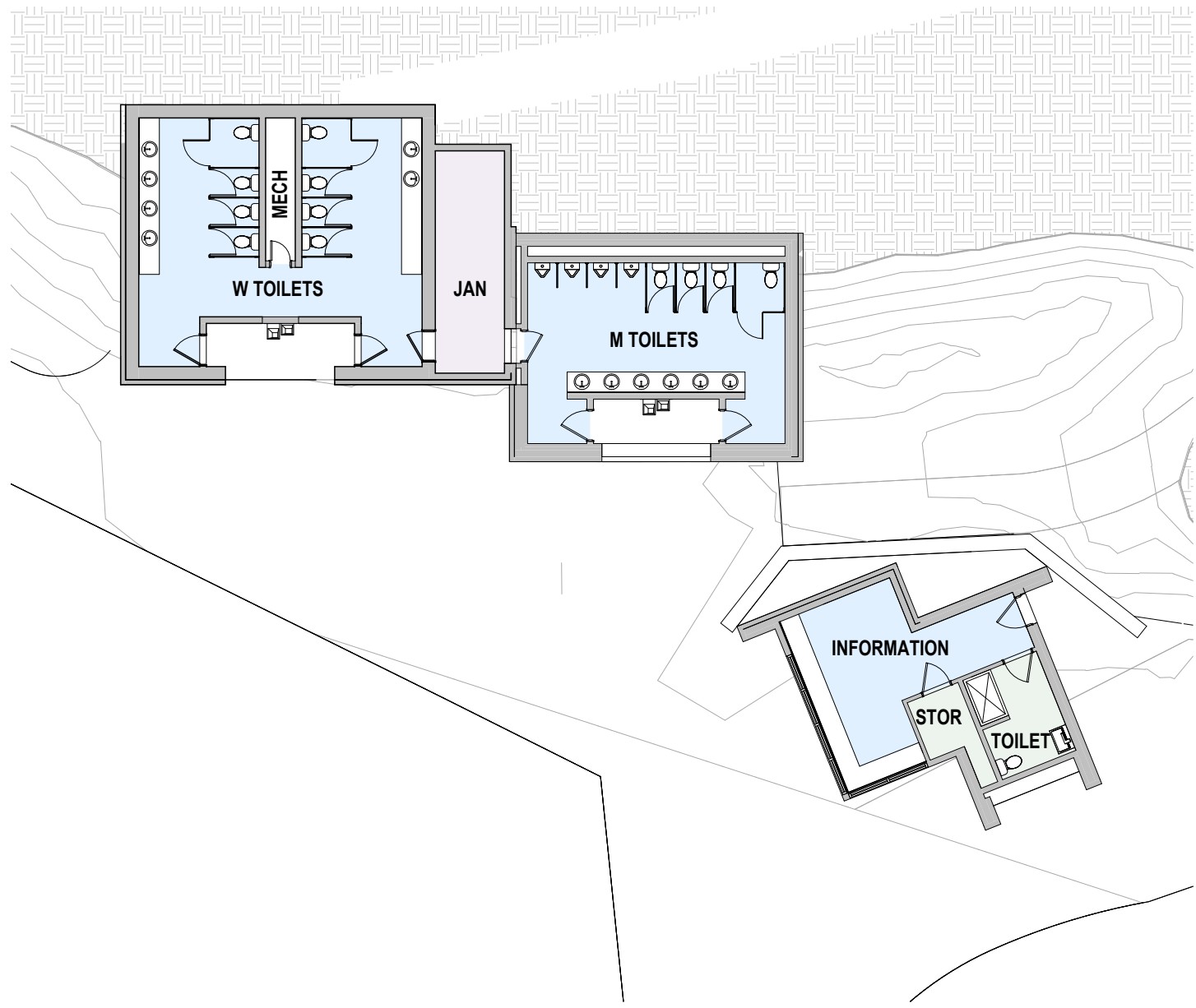
① HAMMER ROOF PLAN  
1/8" = 1'-0"

⊕ ALTERNATIVE 6  
WELCOME CENTER  
LEVEL 3 PLAN



① FIRST FLOOR PLAN  
1/8" = 1'-0"

ALTERNATIVE 7  
WELCOME CENTER  
FLOOR PLAN



① PLAZA PLAN  
1/8" = 1'-0"



ALTERNATIVE 7  
RESTROOM &  
KIOSK FLOOR PLAN

**Welcome Center**  
**MENDENHALL GLACIER**

CONCEPT DESIGN  
ISSUE DATE: 10.10.2022

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REMOTE SCHEME - PLAZA

# PARKING AREA STORM WATER MANAGEMENT

ALTERNATIVE 5: PAGE 16

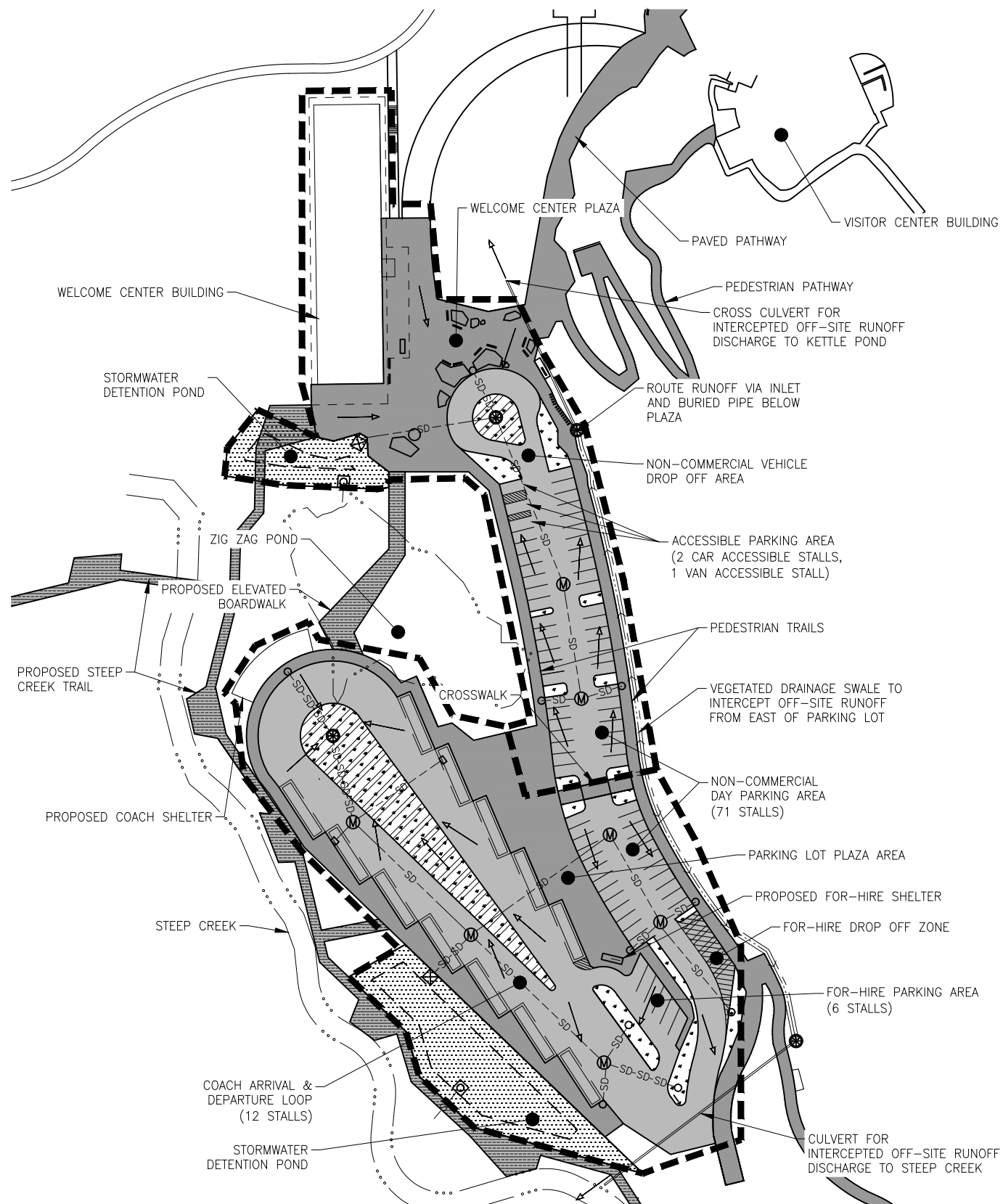
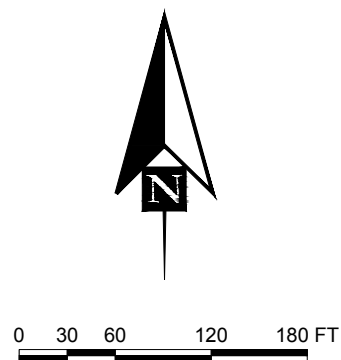
ALTERNATIVE 6: PAGE 17

ALTERNATIVE 7: PAGE 18



**MENDENHALL**  
GLACIER RECREATION AREA





**PROPOSED PARKING LOT - ALT 5**

**STORMWATER & RAINWATER MANAGEMENT NOTES:**

TOTAL PRE-DEVELOPMENT DISTURBED AREA:	2.2 ACRE
TOTAL POST-DEVELOPMENT DISTURBED AREA (APPROXIMATE):	4.9 ACRE
NORTH PLAZA & PARKING LOT DRAINAGE AREA:	2.0 ACRE
SOUTH PARKING LOT DRAINAGE AREA:	2.9 ACRE
TOTAL PLANTED LANDSCAPE AREA:	1.1 ACRE

**PRE-TREATMENT NOTES:**

CATCH BASIN SPACING:	350 CURB-FT MAX.
OIL-GRIT SEPARATOR %TSS CAPTURE RATING:	50%

**TREATMENT NOTES:**

DESIGN RESIDENCE TIME FOR TREATMENT:	5 MINUTE
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**SNOW STORAGE NOTES:**

TOTAL AREA (VEHICLE & PEDESTRIAN HARDSCAPE AREA)	130,962 SF
SNOW STORAGE REQUIRED (5% OF TOTAL AREA)	6,548 SF
SNOW STORAGE SHOWN	11,631 SF

**GENERAL NOTES:**

1. STORMWATER MANAGEMENT AND TREATMENT METHODS SHOWN ARE IN CONFORMANCE WITH ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION REQUIREMENTS AND LOCAL ORDINANCES.

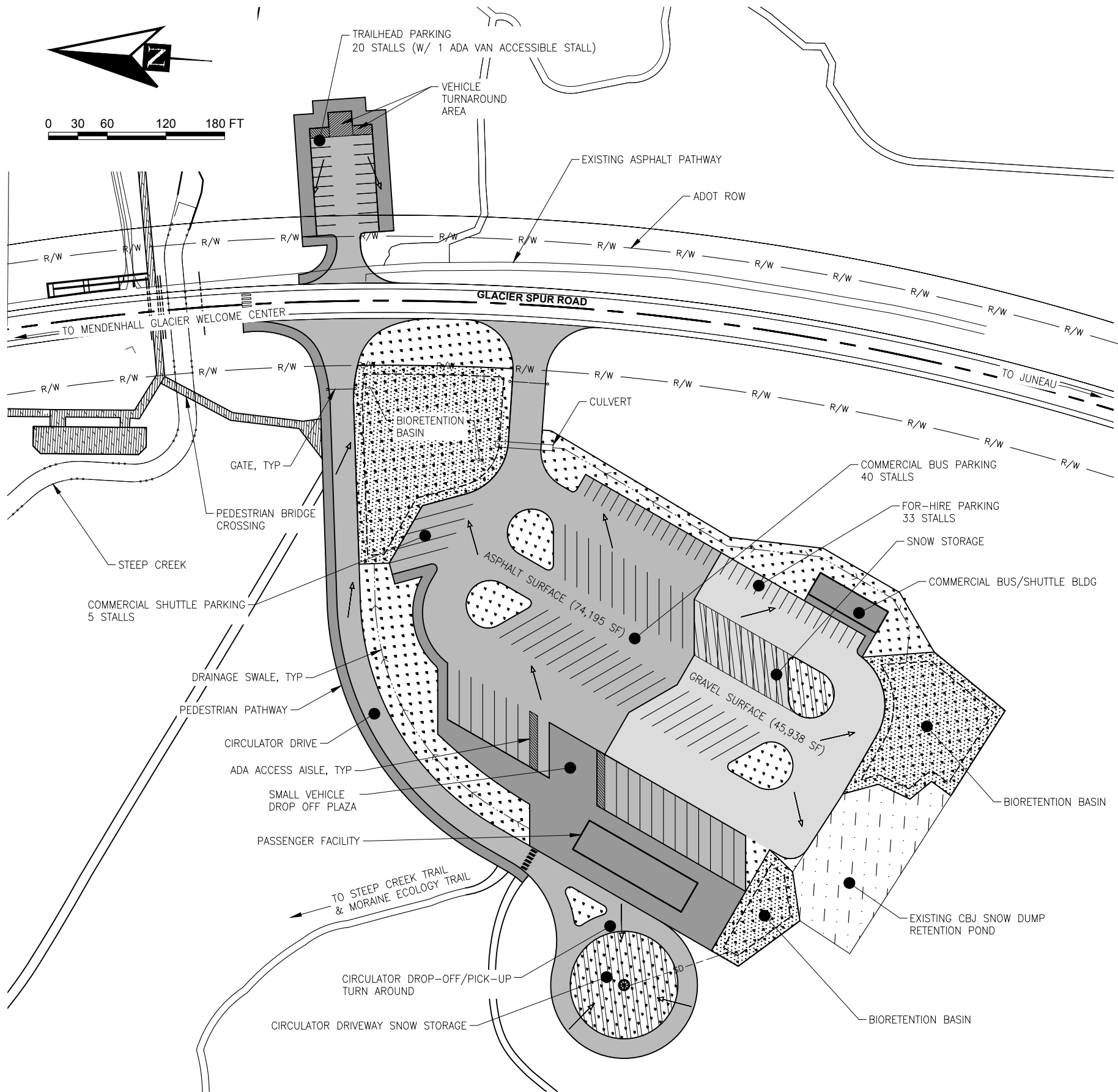
**LEGEND**

	FLOW DIRECTION ARROW
	STORM DRAIN MANHOLE
	CATCH BASIN
	DOME FIELD INLET WITH RISER
	OIL-GRIT SEPARATOR
	OUTFALL STRUCTURE
	STORM DRAIN PIPE
	STORM DRAIN PIPE
	SNOW STORAGE AREA
	RIGHT-OF-WAY
	WATERBODY EDGE
	DRAINAGE SWALE
	LANDSCAPE AREA

**ALTERNATIVE 5  
STORM WATER  
MANAGEMENT**







**PROPOSED PARKING LOT - ALT 6 SOUTH**

**STORMWATER & RAINWATER MANAGEMENT NOTES:**  
 TOTAL PRE-DEVELOPMENT DISTURBED AREA (APPROXIMATE): 5.5 ACRE  
 TOTAL POST-DEVELOPMENT DISTURBED AREA (APPROXIMATE): 8.4 ACRE  
 NORTH PARKING LOT DRAINAGE AREA: 1.5 ACRE  
 SOUTH PARKING LOT DRAINAGE AREA: 6.5 ACRE  
 TRAILHEAD PARKING LOT DRAINAGE AREA: 0.4 ACRE  
 TOTAL PLANTED LANDSCAPE AREA: 2.7 ACRE

**PRE-TREATMENT NOTES:**  
 CATCH BASIN SPACING: 350 CURB-FT MAX.  
 OIL-GRIT SEPARATOR %TSS CAPTURE RATING: 50%

**TREATMENT NOTES:**  
 DESIGN RESIDENCE TIME FOR TREATMENT: 5 MINUTE

**SNOW STORAGE NOTES (NORTH PARKING LOT):**  
 TOTAL AREA (VEHICLE & PEDESTRIAN HARDSCAPE AREA) 46,744 SF  
 SNOW STORAGE REQUIRED (5% OF TOTAL AREA) 2,340 SF  
 SNOW STORAGE SHOWN 2,410 SF

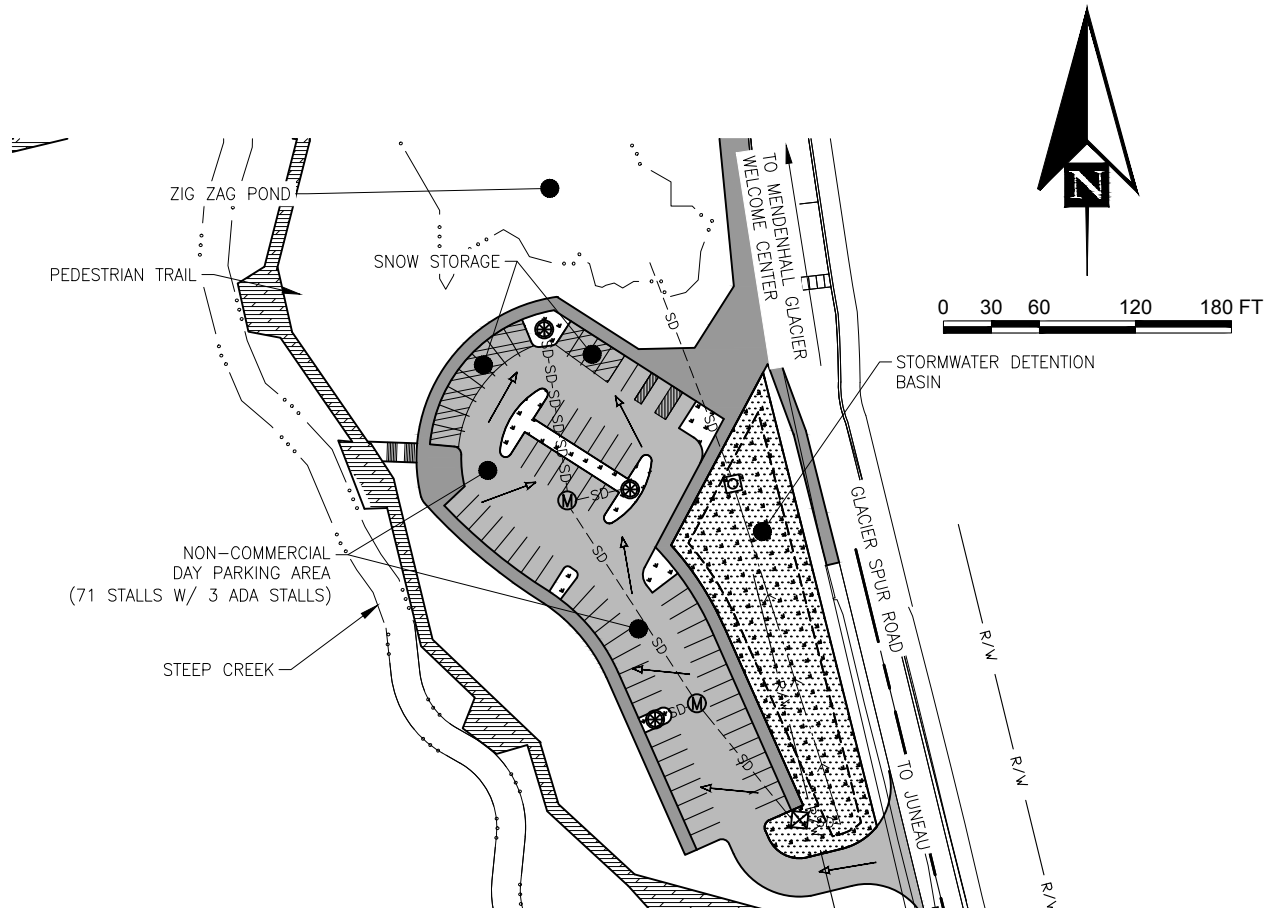
**SNOW STORAGE NOTES (SOUTH PARKING LOT & TRAILHEAD PARKING LOT):**  
 TOTAL AREA (VEHICLE & PEDESTRIAN HARDSCAPE AREA) 201,270 SF  
 SNOW STORAGE REQUIRED (5% OF TOTAL AREA) 10,063 SF  
 SNOW STORAGE SHOWN 17,190 SF

**LEGEND**

	FLOW DIRECTION ARROW
	STORM DRAIN MANHOLE
	CATCH BASIN
	DOME FIELD INLET WITH RISER
	OIL-GRIT SEPARATOR
	OUTFALL STRUCTURE
	SD - - - - - STORM DRAIN PIPE
	-SD-SD-SD- SNOW STORAGE AREA
	R/W RIGHT-OF-WAY
	WATERBODY EDGE
	DRAINAGE SWALE
	LANDSCAPE AREA

**GENERAL NOTES:**

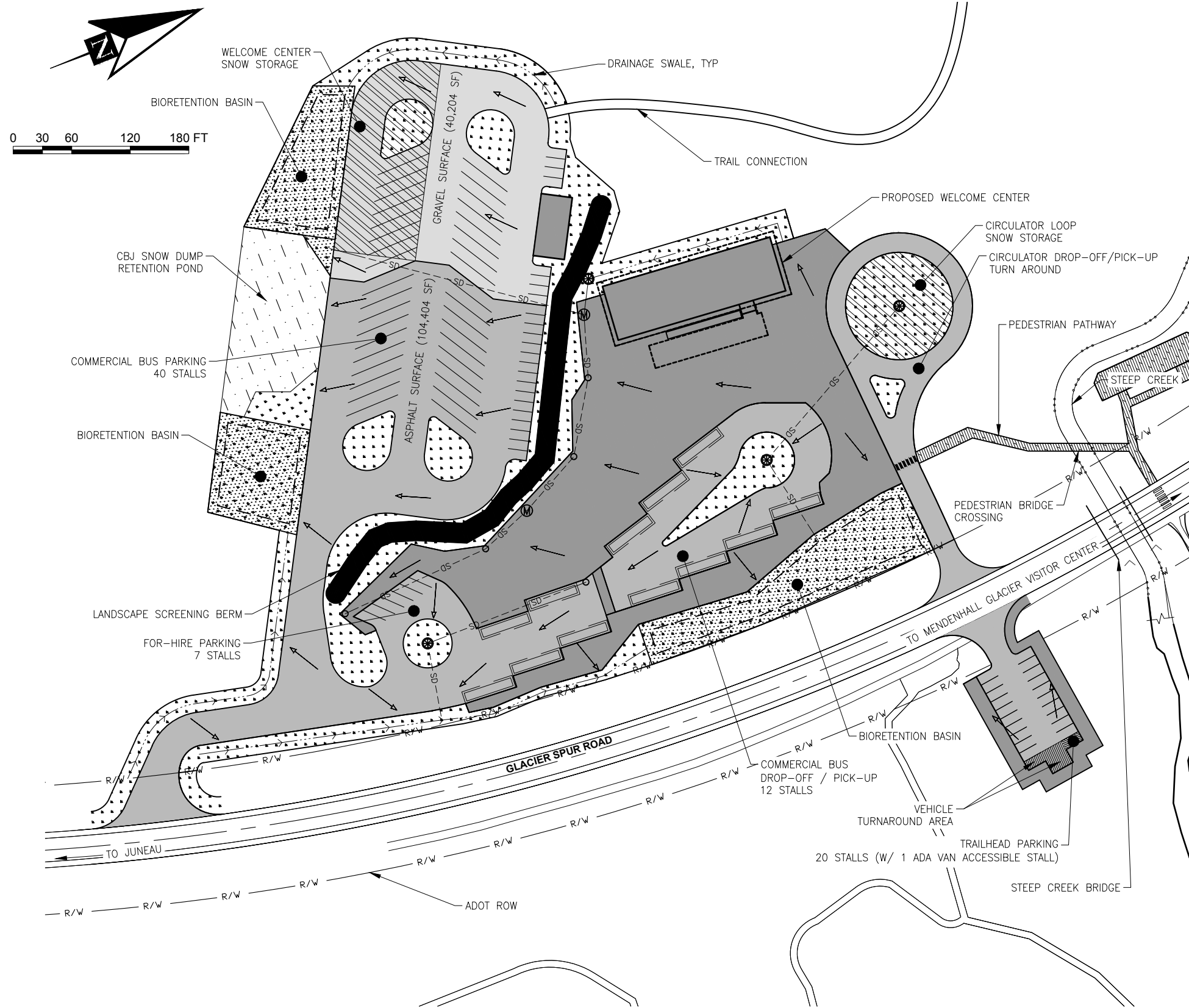
1. STORMWATER MANAGEMENT AND TREATMENT METHODS SHOWN ARE IN CONFORMANCE WITH ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION REQUIREMENTS AND LOCAL ORDINANCES.



**PROPOSED PARKING LOT - ALT 6 NORTH**

**ALTERNATIVE 6  
STORM WATER  
MANAGEMENT**





**PROPOSED WELCOME CENTER PARKING LOT - ALT 7**

**STORMWATER & RAINWATER MANAGEMENT NOTES:**

TOTAL PRE-DEVELOPMENT DISTURBED AREA (APPROXIMATE):	4.1 ACRE
TOTAL POST-DEVELOPMENT DISTURBED AREA (APPROXIMATE):	10.0 ACRE
NORTH PARKING LOT DRAINAGE AREA:	0.6 ACRE
SOUTH PARKING LOT DRAINAGE AREA:	9.0 ACRE
TRAILHEAD PARKING LOT DRAINAGE AREA:	0.4 ACRE
TOTAL PLANTED LANDSCAPE AREA:	2.8 ACRE

**PRE-TREATMENT NOTES:**

CATCH BASIN SPACING: 350 CURB-FT MAX.

**TREATMENT NOTES:**

DESIGN RESIDENCE TIME FOR TREATMENT: 5 MINUTE

**SNOW STORAGE NOTES (NORTH PARKING LOT):**

TOTAL AREA (VEHICLE & PEDESTRIAN HARDSCAPE)	27,260 SF
SNOW STORAGE REQUIRED (5% OF TOTAL AREA)	1,360 SF
SNOW STORAGE SHOWN	1,900 SF

**SNOW STORAGE NOTES (SOUTH PARKING LOT & TRAILHEAD PARKING LOT):**

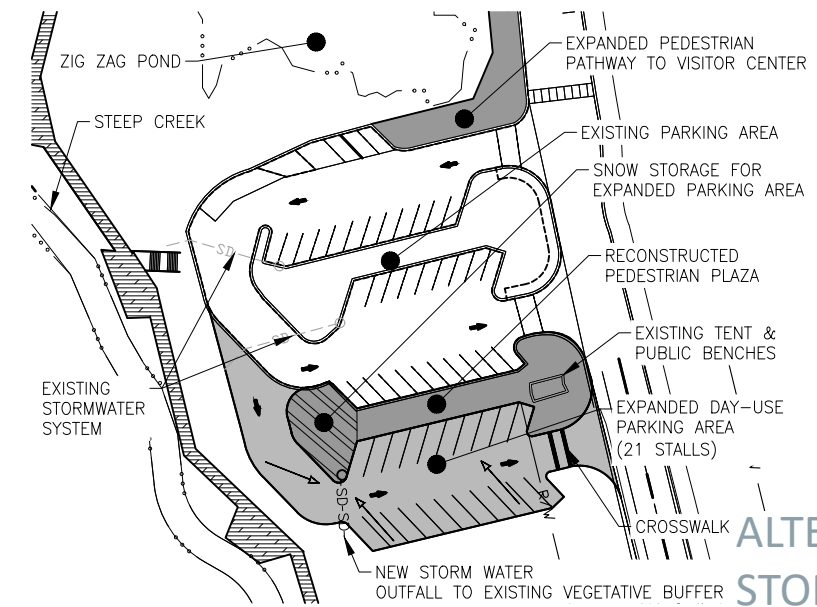
TOTAL AREA (VEHICLE & PEDESTRIAN HARDSCAPE)	281,200 SF
SNOW STORAGE REQUIRED (5% OF TOTAL AREA)	14,060 SF
SNOW STORAGE SHOWN	25,840 SF

**GENERAL NOTES:**

1. STORMWATER MANAGEMENT AND TREATMENT METHODS SHOWN ARE IN CONFORMANCE WITH ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION COASTAL NONPOINT POLLUTION CONTROL PROGRAM AND LOCAL ORDINANCES.

**LEGEND**

- FLOW DIRECTION ARROW
- Ⓜ STORM DRAIN MANHOLE
- CATCH BASIN
- ⊙ DOME FIELD INLET WITH RISER
- SD- STORM DRAIN PIPE
- SD-SD-SD- STORM DRAIN PIPE
- ▨ SNOW STORAGE AREA
- R/W- RIGHT-OF-WAY
- WATERBODY EDGE
- - - DRAINAGE SWALE
- ⊙ LANDSCAPE AREA



**PROPOSED NORTH PARKING LOT - ALT 7**

**ALTERNATIVE 7  
STORM WATER  
MANAGEMENT**



# STEEP CREEK TRAIL STRUCTURES

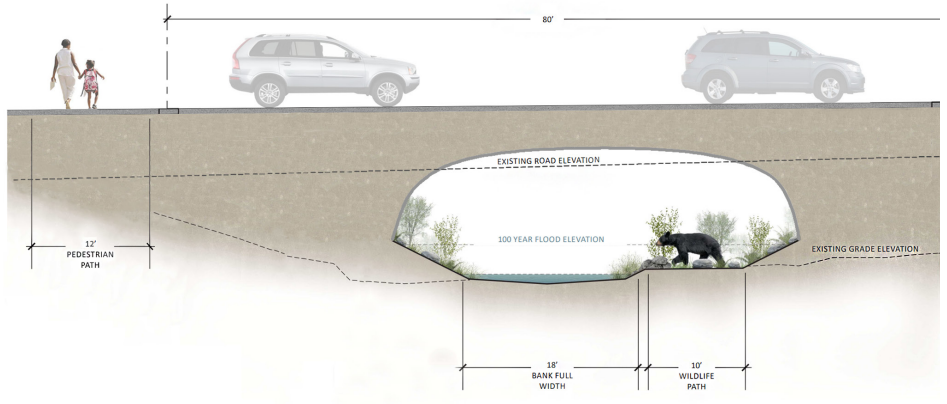


**MENDENHALL**  
GLACIER RECREATION AREA



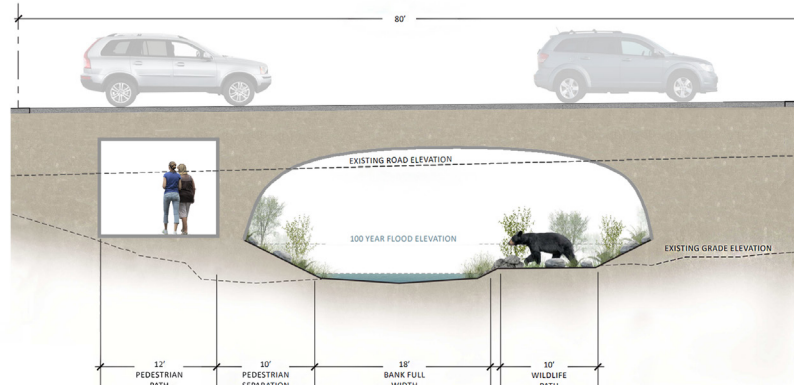
Steep creek pedestrian crosswalk and wildlife underpass at Glacier Spur Road

(Alternatives 5 & 7)



Steep creek separate pedestrian and wildlife underpasses at Glacier Spur Road

(Alternative 6)



Creek section with proposed trail overlook



Proposed elevated trail section



# CIVIL DESIGN DRAWINGS

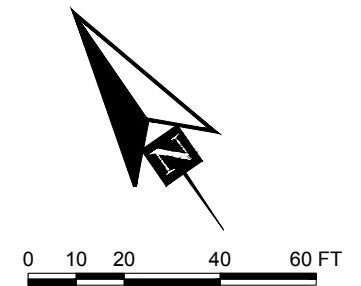
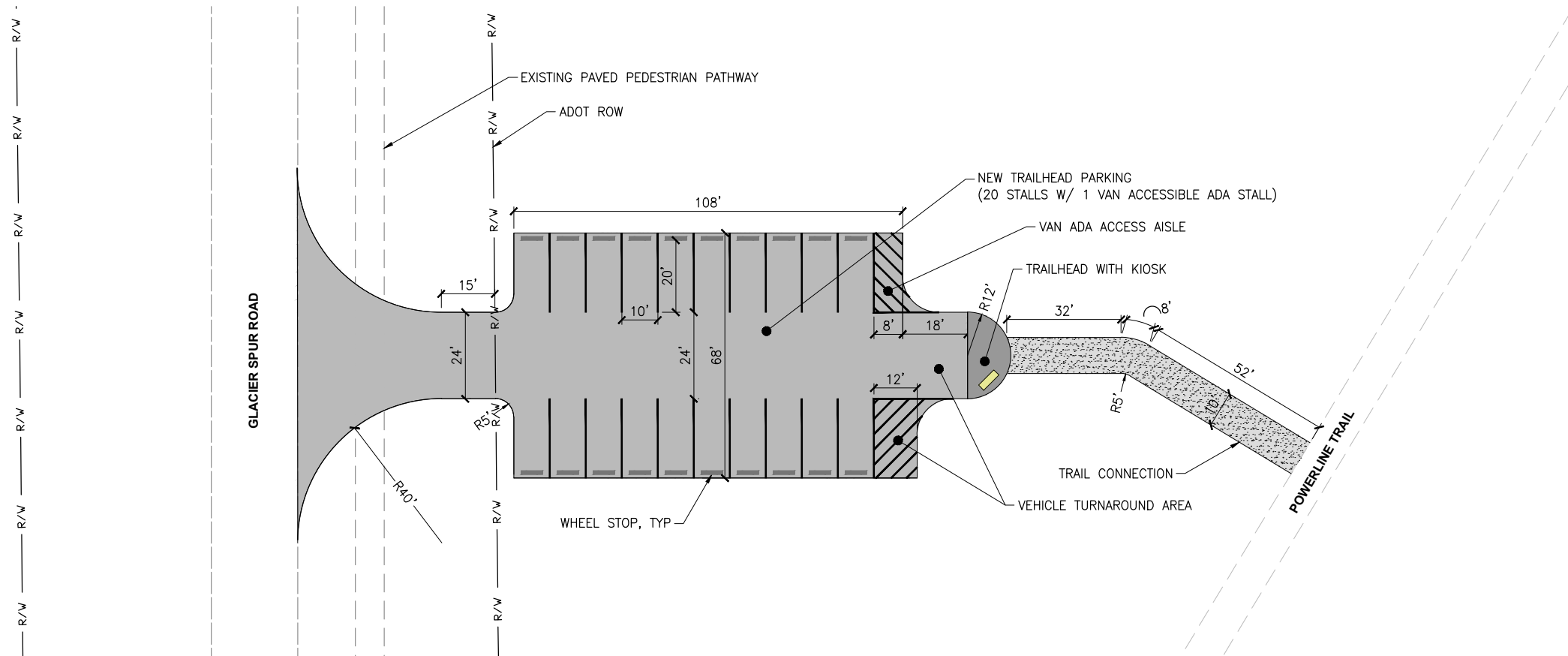
DREDGE LAKE TRAILHEAD  
PARKING AREA: PAGE 22

SKATER'S CABIN PARKING  
AREA: PAGE 23





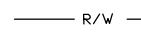
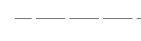



**MENDENHALL**  
GLACIER RECREATION AREA





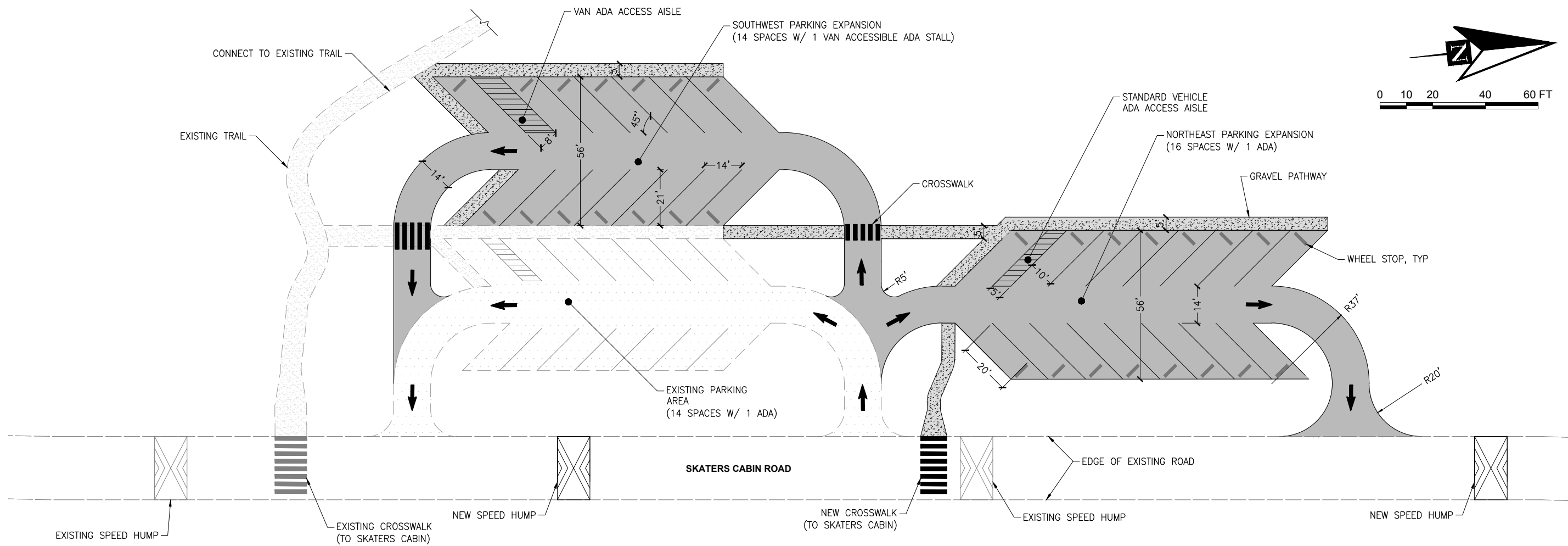
**LEGEND**

-  NEW ASPHALT
-  NEW CONCRETE
-  NEW GRAVEL
-  NEW STRIPING
-  R/W ADOT ROW
-  EXISTING ROADWAY
-  EXISTING TRAIL / PATHWAY

**PROPOSED DREDGE LAKE TRAILHEAD PARKING LOT**

DREDGE LAKE  
TRAILHEAD  
PARKING PLAN





**LEGEND**

	EXISTING ASPHALT
	NEW ASPHALT
	EXISTING GRAVEL
	NEW GRAVEL
	EXISTING STRIPING
	NEW STRIPING
	ONE-WAY TRAFFIC DIRECTION

**PROPOSED SKATERS CABIN PARKING LOT**

SKATER'S CABIN  
TRAILHEAD  
PARKING PLAN





**MENDENHALL**  
GLACIER RECREATION AREA

