DJRM ENGINEERING

Directions • Connections • Solutions

241D Duckering Bldg., UAF • DJRM.Eng@gmail.com

Draft Design Proposal
to the
Master Planning Committee

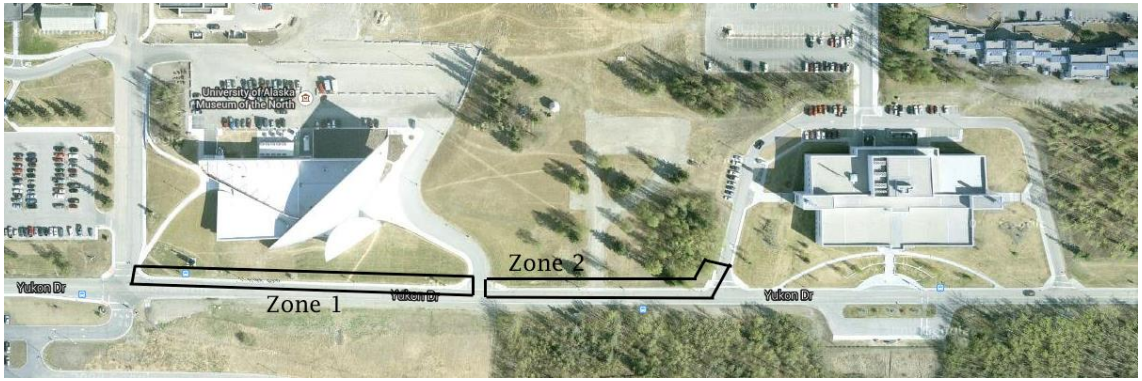
Presented by DJRM
Engineering
March 26, 2015

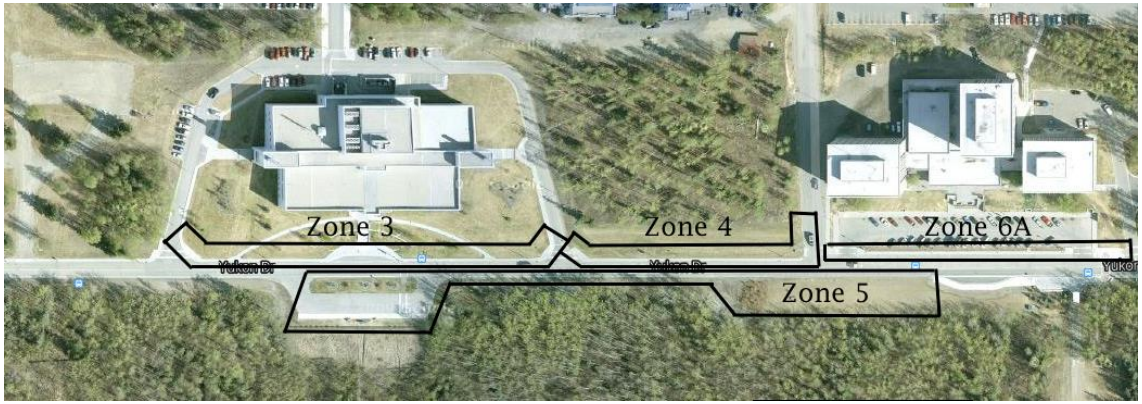
Current Concerns

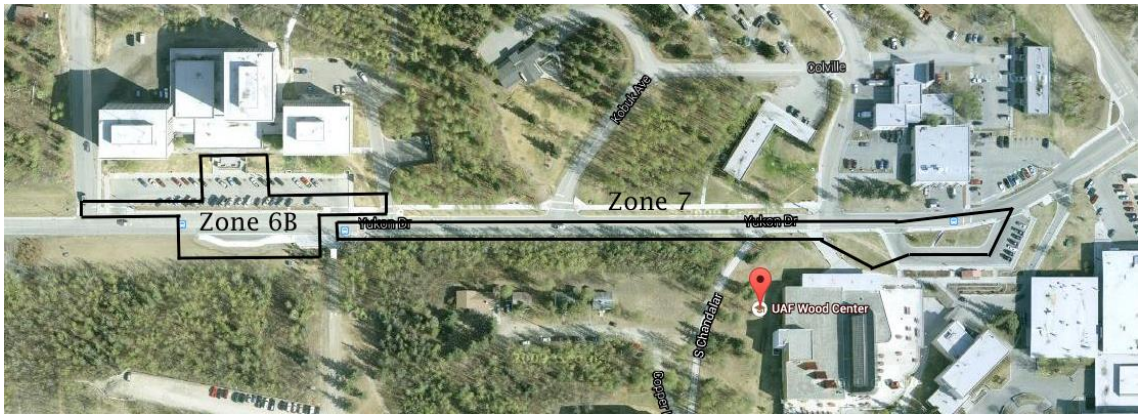
- lack of a modern curb and gutter system,
- abrupt sidewalk terminations at intersections,
- differential settlement and frost heaving,
- jarring shifts in the path between Reichardt Building and MBS,
- plow damage to concrete,
- ice buildup associated with sidewalk overflow, and
- lack of controlled pedestrian crosswalks.

Basic Design Considerations

- safety and ease of pedestrian access,
- anticipation of phasing,
- ease of maintenance, and
- ADA compliance.


University of Alaska Museum of the North
Zone 1
Zone 2
Yukon Dr
Yukon Dr
Yukon Dr

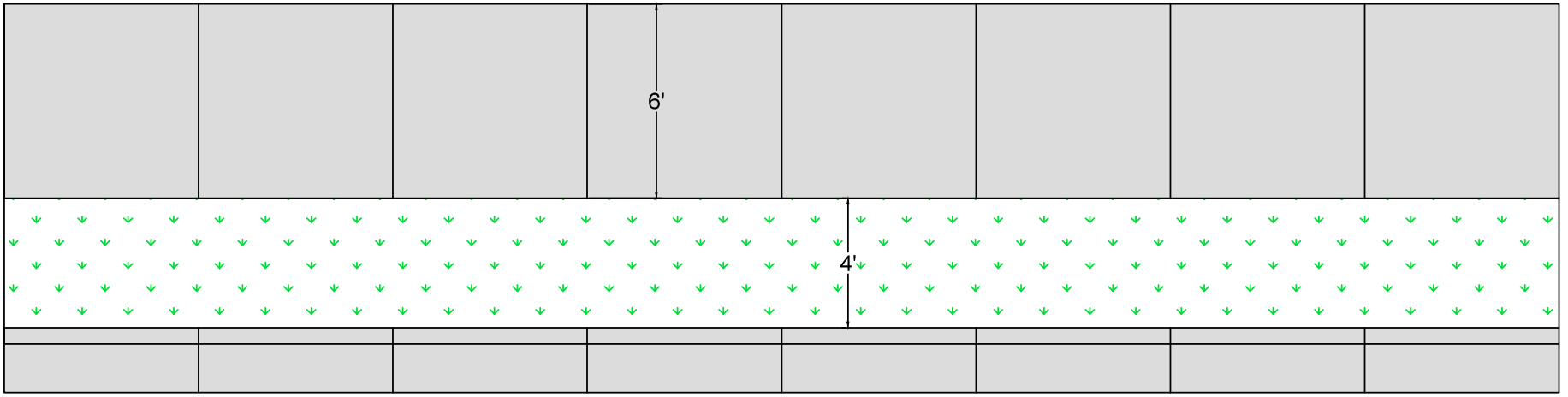

Zone 3
Zone 4
Zone 6A
Zone 5
Yukon Dr
Yukon Dr


Zone 6B
Zone 7
Yukon Dr
Yukon Dr
UAF Wood Center
S Orlando Dr

Basic Design Components

- new curb and gutter
- minimum sidewalk width of 6 feet
- landscape buffer with a minimum width of 4 feet
- at-grade access ramps compliant with ADA design standards

TYPICAL PROPOSED SIDEWALK

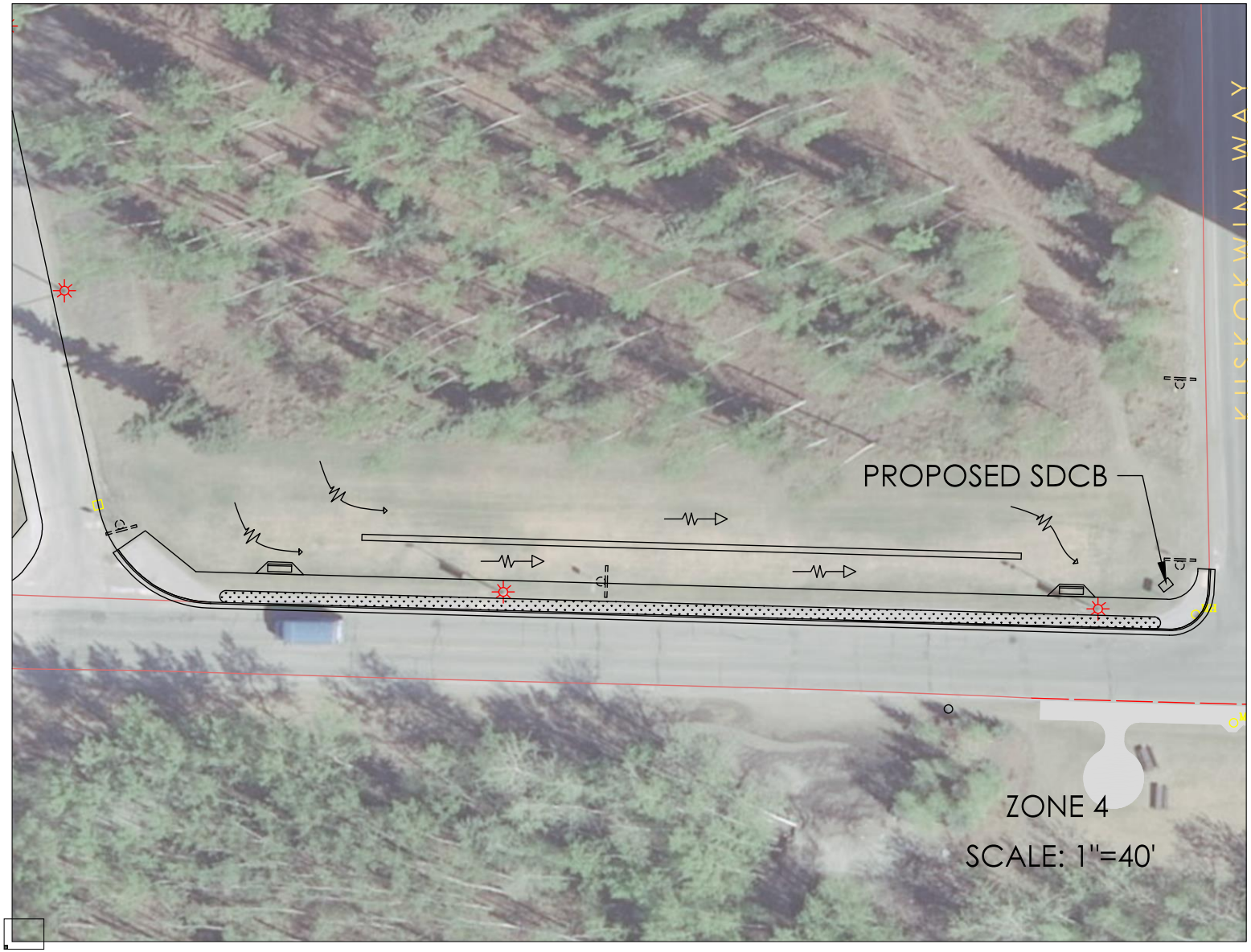


Zone Specific Design Components

- Zone 5: Collaborate with UAF Residence Life to appropriately utilize green space across from dormitories.
- Zone 7: Widen the sidewalk on the south side of the roadway from the Wood Center bus pullout to the MBS dormitories.

Zone Specific Design Components

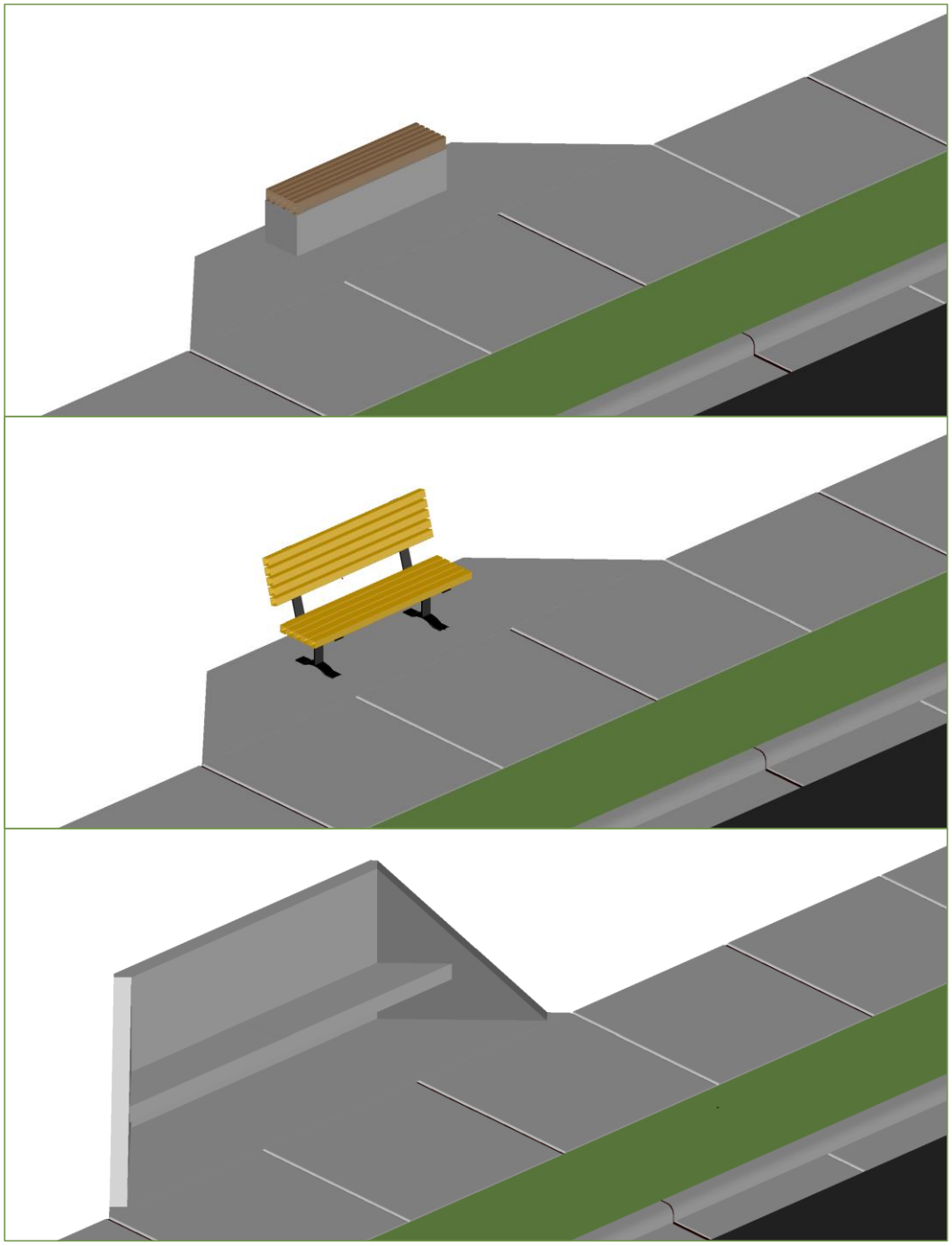
- Zone 4: Install drainage swale and storm drain catch basin North of the sidewalk stretching between the dormitories and the Reichhardt building.
- Zone 4: Install retaining wall between dormitories and Reichhardt building to assist in the routing of water.


PROPOSED SDCB
ZONE 4
SCALE: 1"=40'

Zone Specific Design Components

- Zone 6: Reduce posted speed limit in front of MBS dormitories, and install crosswalk the full length of the sidewalk in front of the dormitories.


MOORE HALL
FS733
HESS COMMONS
FS741
SKARLAND HALL
FS731
MH
MH
MH
ZONE 6
SCALE: 1"=40'



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