

HOLLINGER MINE SHADOW STUDY

TIMMINS, ONTARIO

August 16, 2011

NOTE: Shadows are based on the solar orientation at 48°34'10"N - 81°22'36"W

The following shadow study is based on information from National Research Council Canada's Sunrise/Sunset Calculator for Timmins, Ontario.

Longitude = 81° 19.8' West, Latitude = 48° 28.2' North

Time zone is EST, -5 UTC Correction from standard meridian: 25.32 minutes

Summer Solstice – June 21st	Equinox – March & September 21st	Winter Solstice – December 21st
Sunrise – 4:45 Sunset – 20:15	Sunrise – 6:45 Sunset – 18:30	Sunrise – 8:30 Sunset – 4:15
Noon sun angle – 64.4'	Noon sun angle – 41.0'	Noon sun angle – 17.9'

planningAlliance
205 - 317 Adelaide Street West
Toronto Ontario Canada
M5V 1P9

t 416-593-5933
f 416-593-4911

www.planningalliance.com

MARCH 21 - 7:30 AM



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August 16, 2011

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LEGEND

- Base of Berm
- Property Lines
- Building Footprints

SCALE

0 50 250m

MARCH 21 - 9:00 AM



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MARCH 21 - 10:30 AM

EXTENSIVE
PAVING
EVIDENCE

THE CO-OPERATORS
3110 HWY 101
S. 10000

ALGONQUIN BLVD EAST

BRUNETTE RD

SPRUCE STREET

304 AVE

LANG STREET

LAMB STREET

KIRBY STREET

KNOX STREET

SPRUCE STREET

RAILWAY STREET

DALE STREET

POSSIBLE
PARKING
LOCATION

TOE OF BERM APPROX 7M
FROM BACK OF TRAILER

TRAILER PARK

MONETA AVE

LONG
FLOORS
SANDIA
HERNANDEZ

FLORIAN
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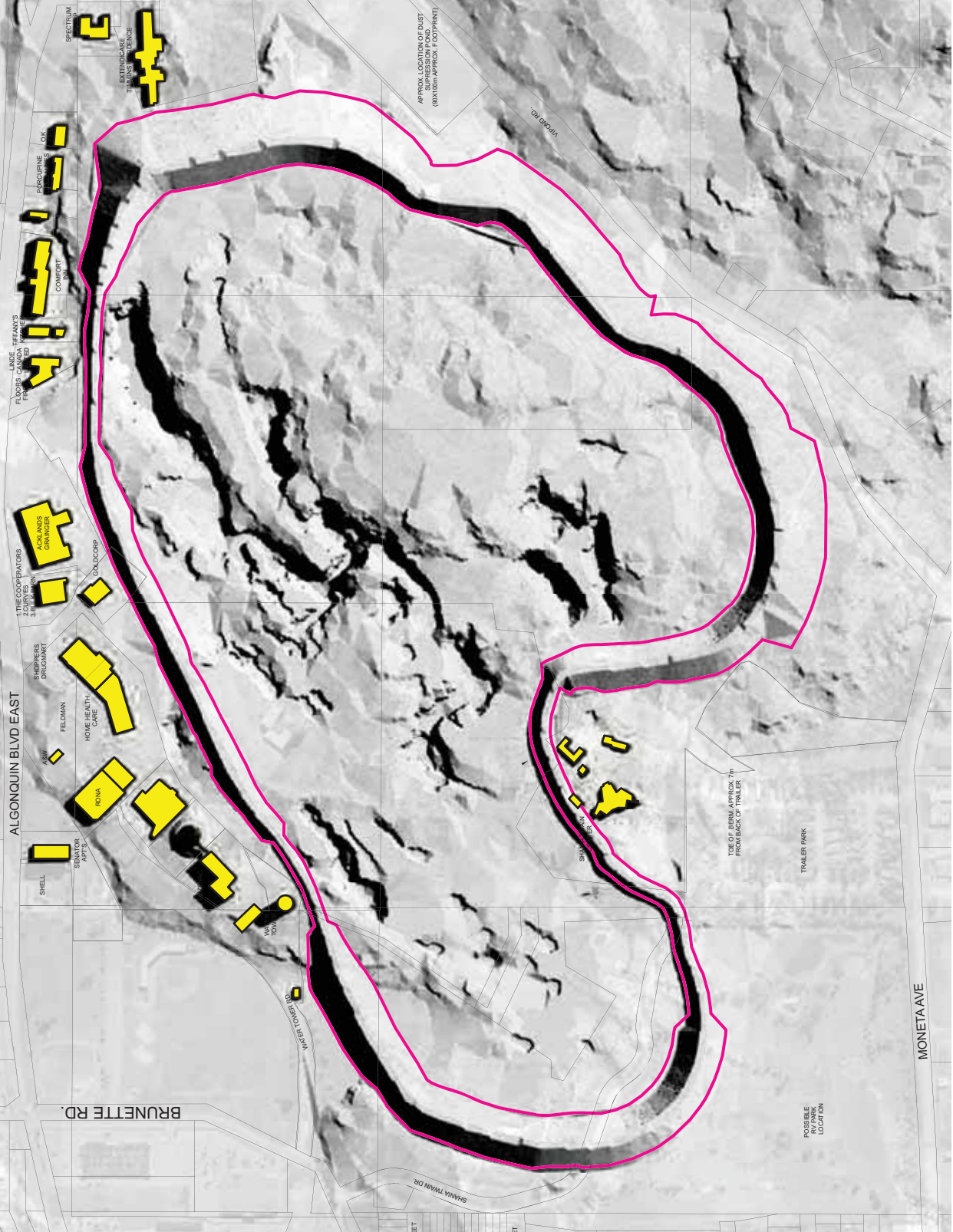
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- LEGEND**
- Base of Berm
 - Property Lines
 - Building Footprints



MARCH 21 - 12:00 PM



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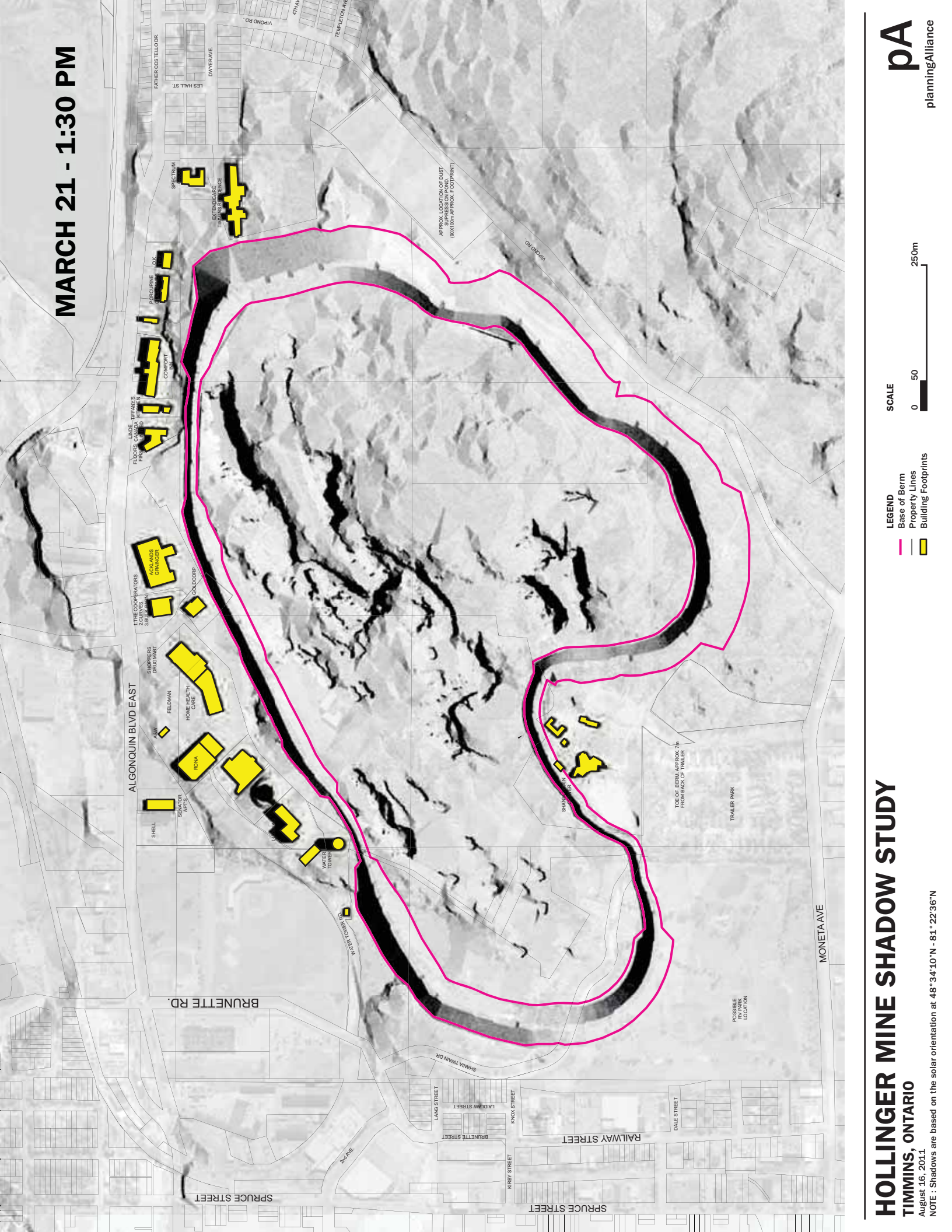
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MARCH 21 - 1:30 PM



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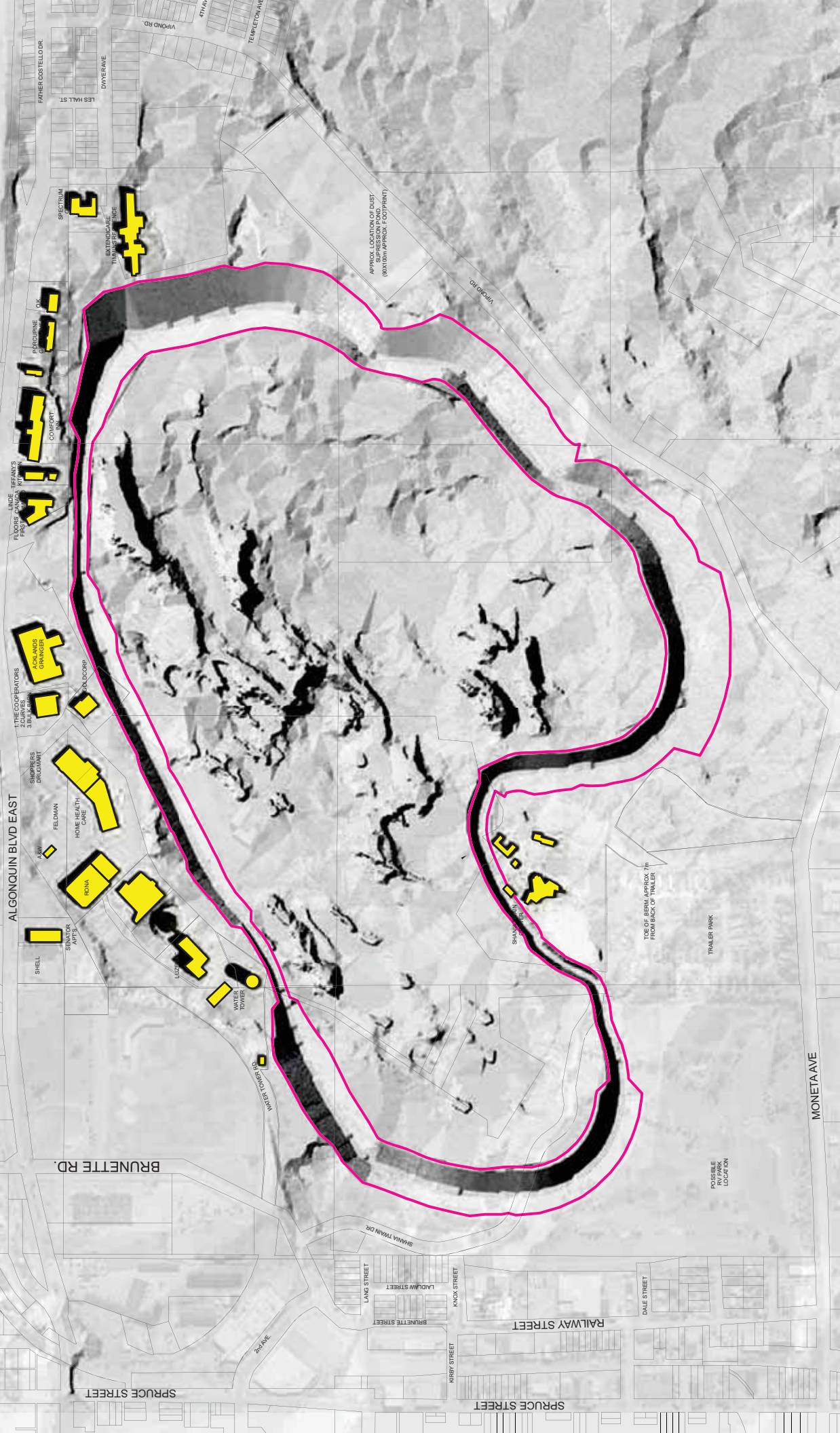
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MARCH 21 - 3:00 PM



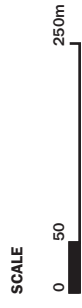
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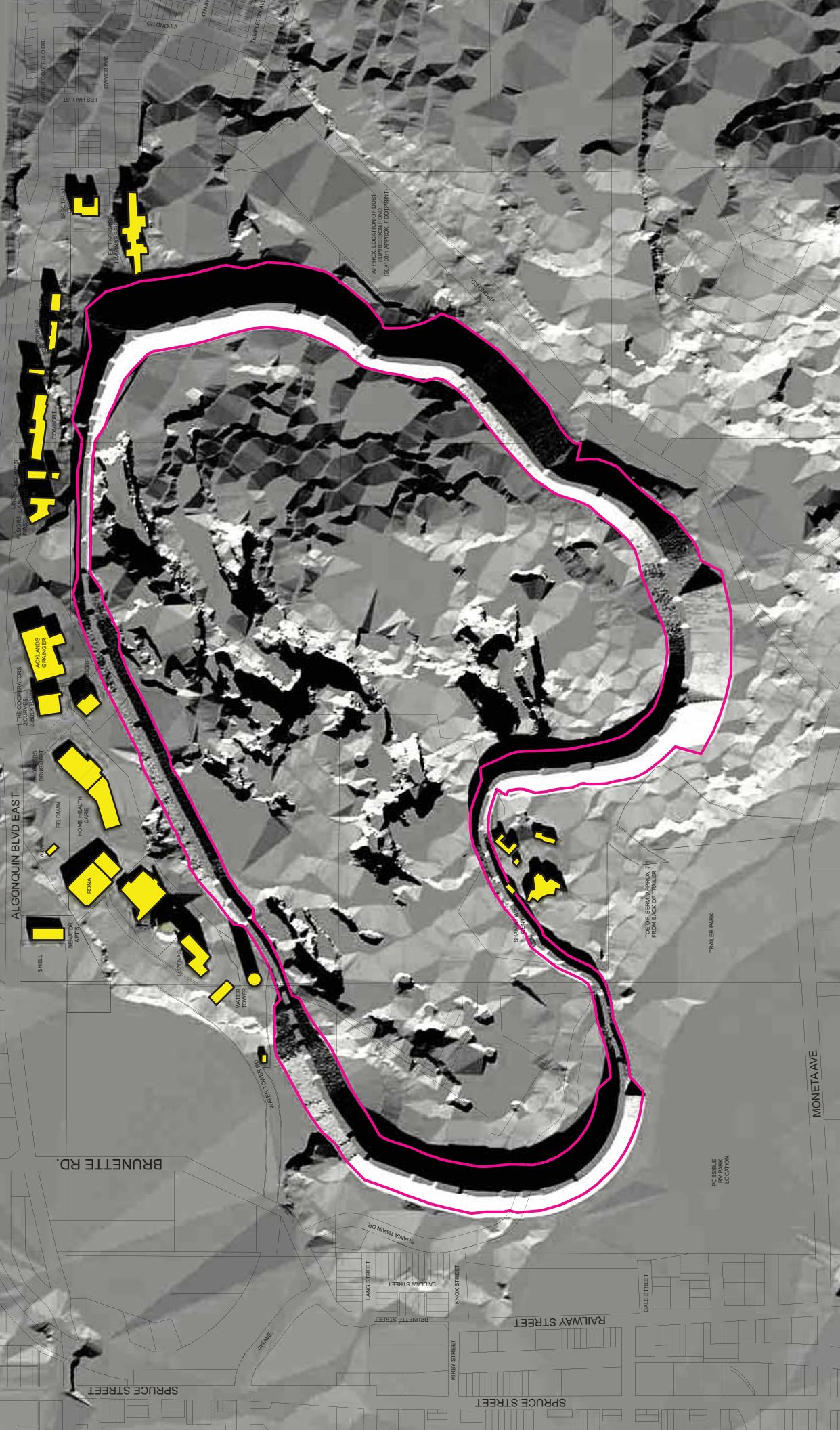
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MARCH 21 - 6:00 PM



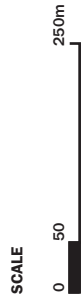
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MARCH 21 - 7:30 PM



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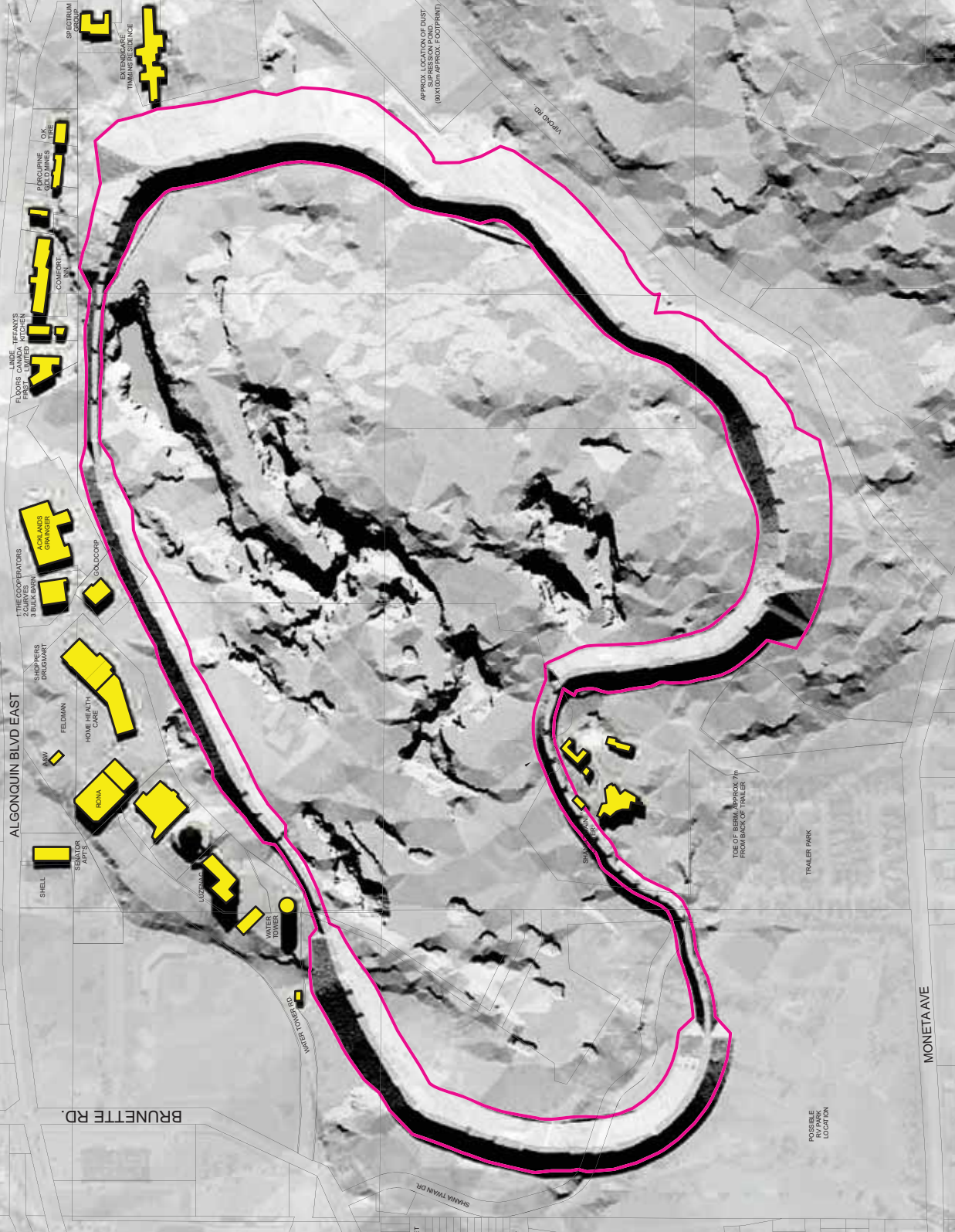
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LEGEND
— Base of Berm
- - - Property Lines
■ Building Footprints

SCALE
0 50 250m

JUNE 21 - 9:00 AM






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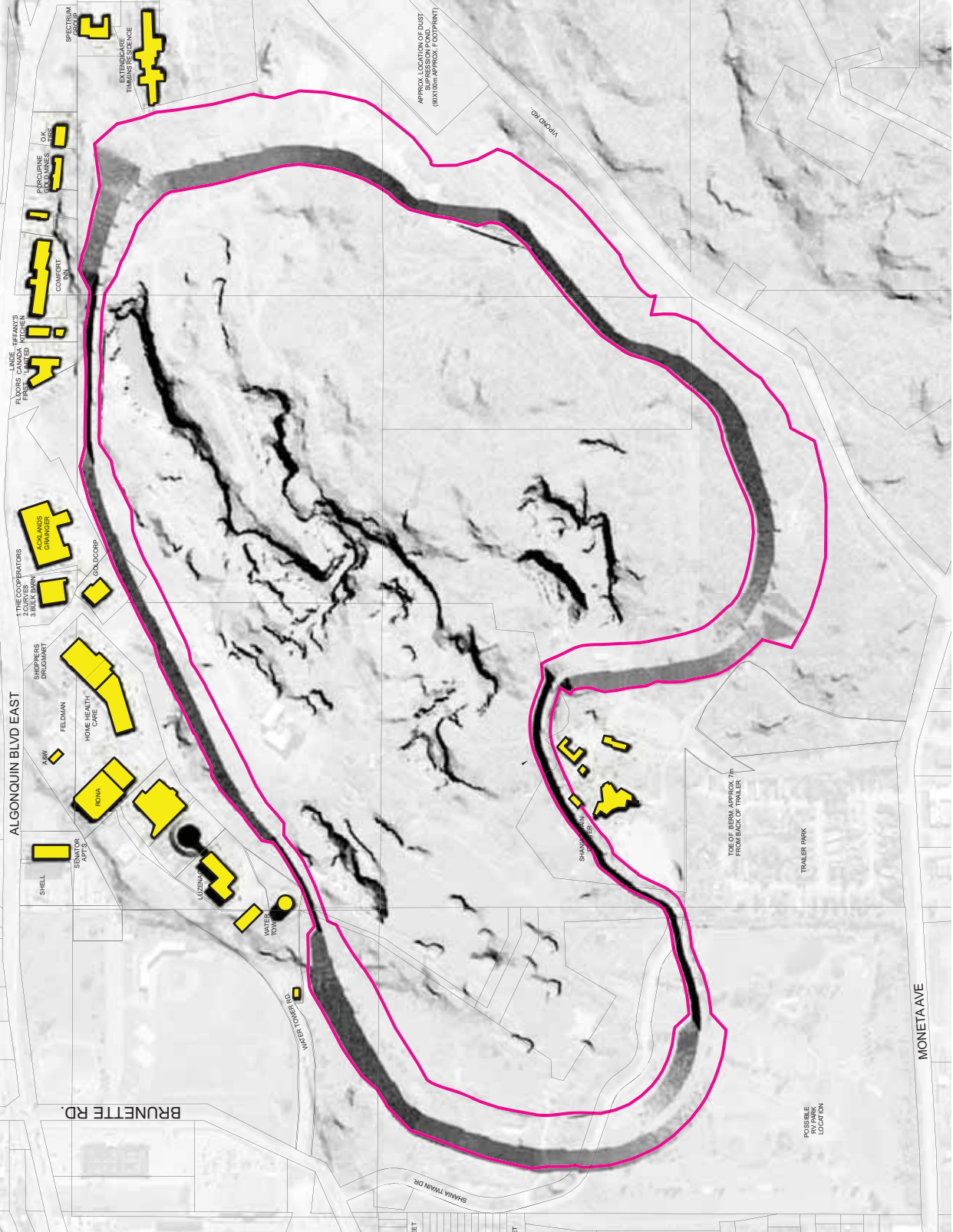
LEGEND

-  Base of Berm
-  Property Lines
-  Building Footprints

SCALE



JUNE 21 - 12:00 PM






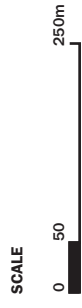
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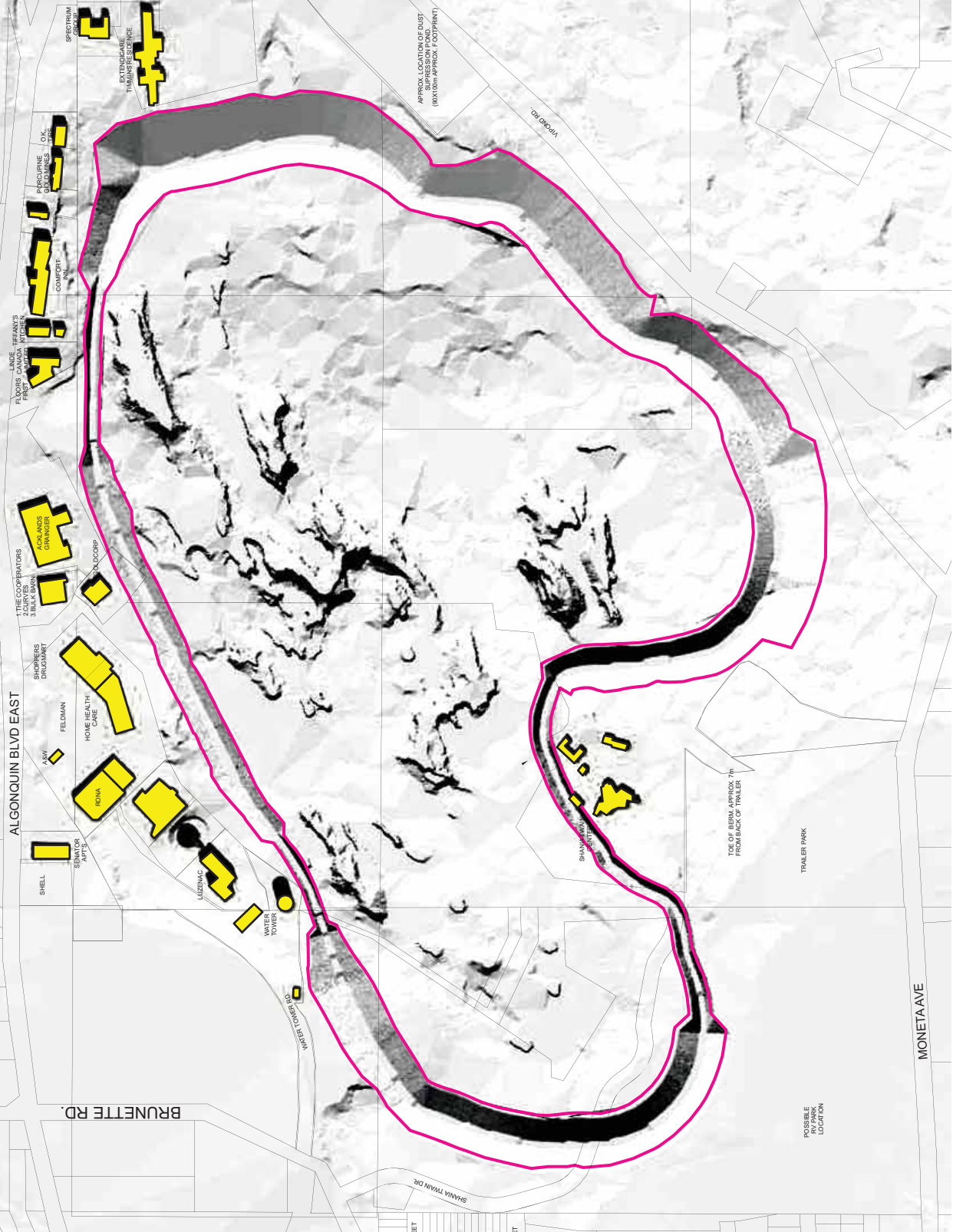
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JUNE 21 - 4:30 PM



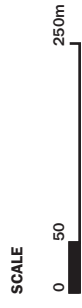
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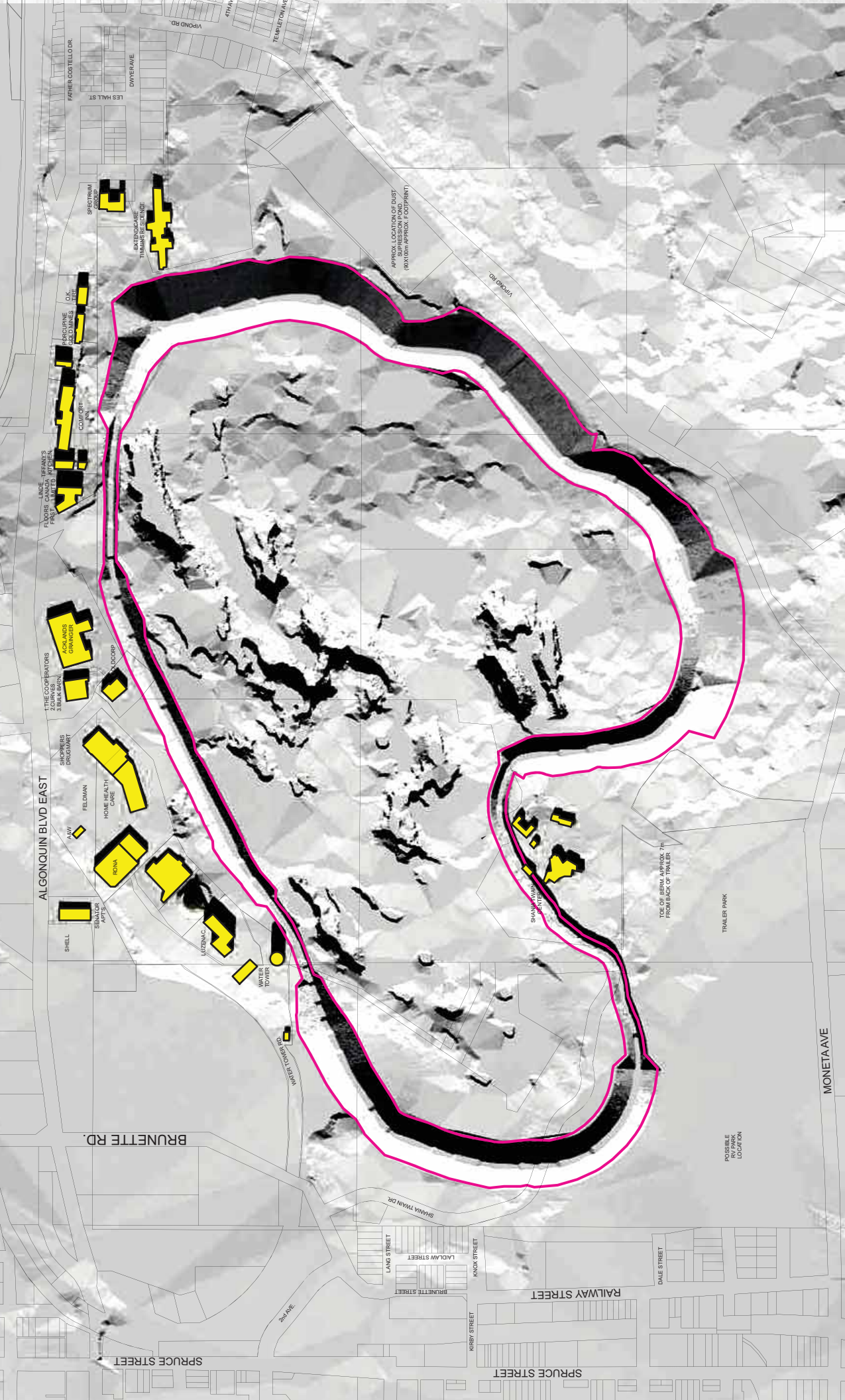
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SEPT 21 - 7:30 AM



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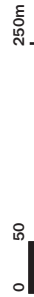
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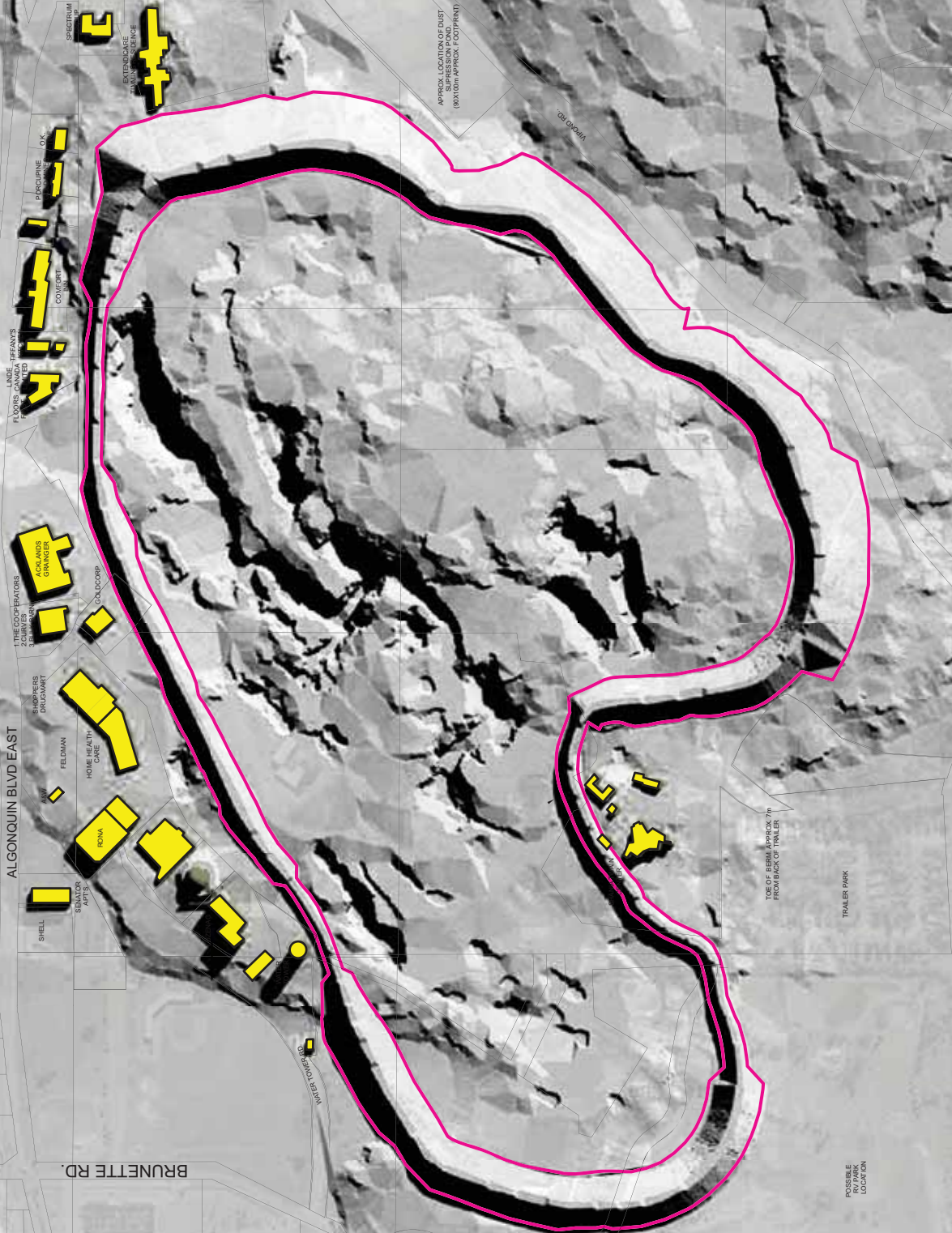
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SEPT 21 - 10:30 AM



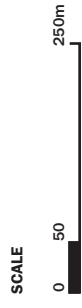
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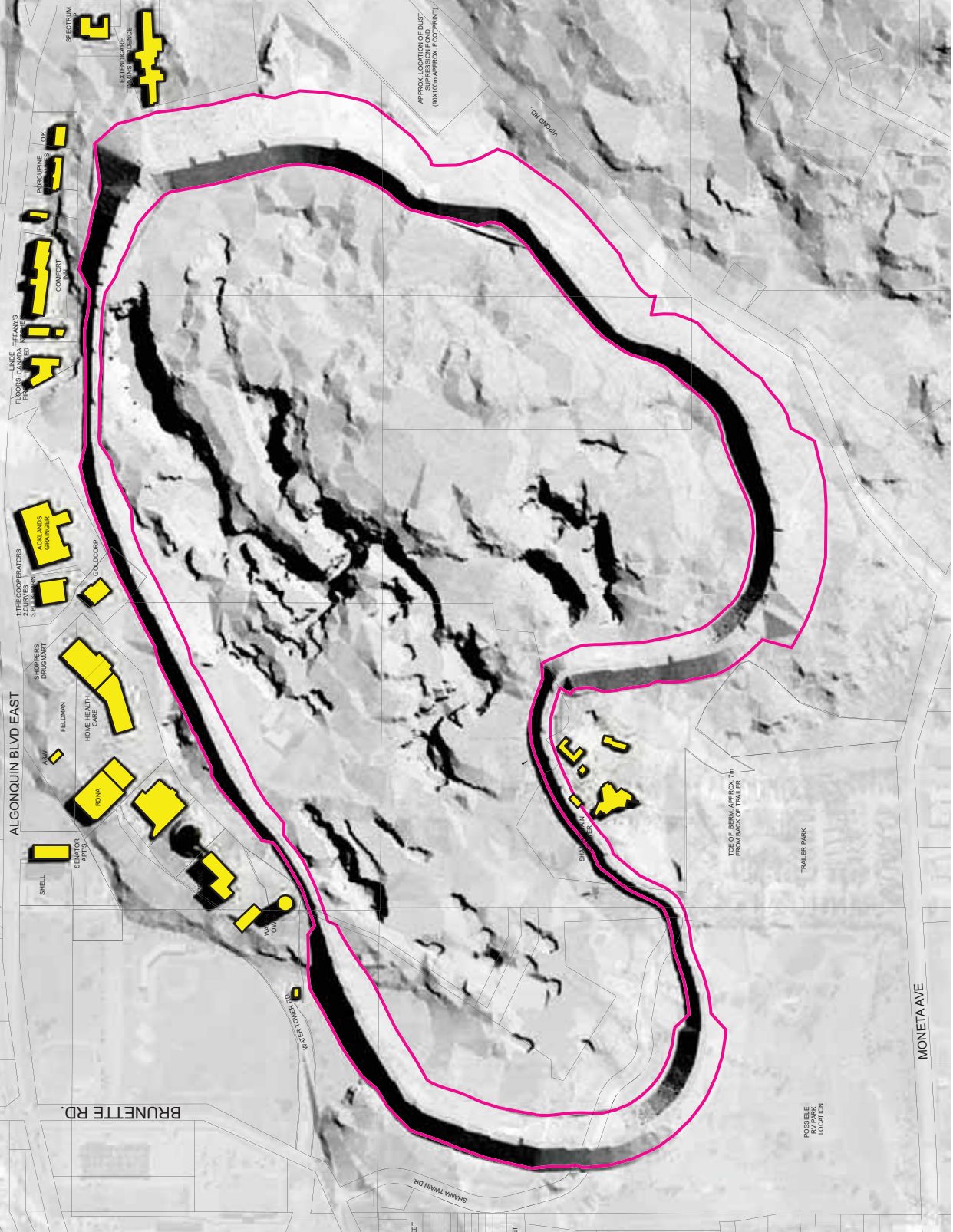
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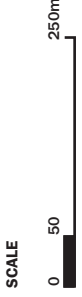
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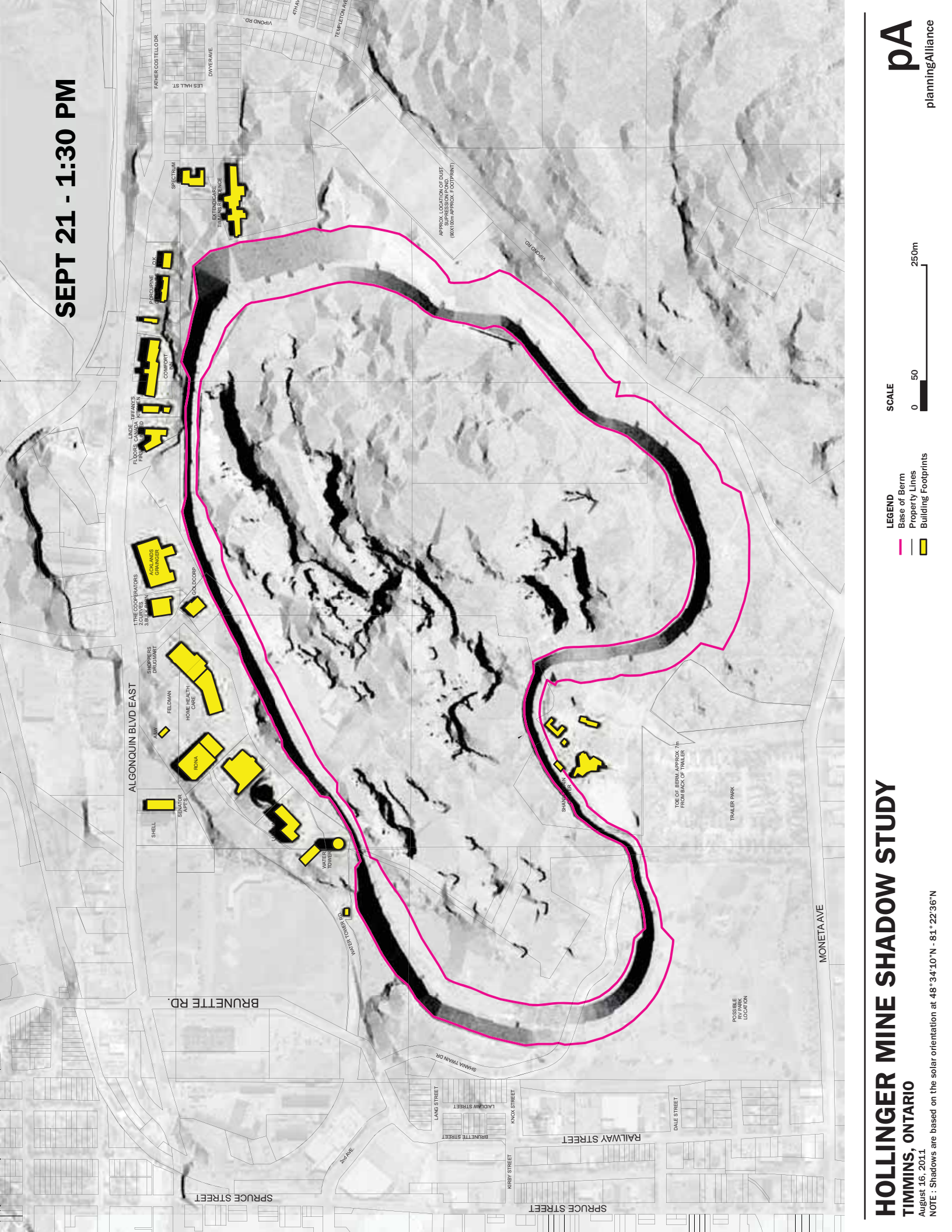
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SEPT 21 - 1:30 PM



BRUNETTE RD

ALGONQUIN BLVD EAST

MONETA AVE

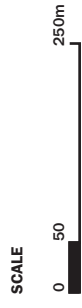
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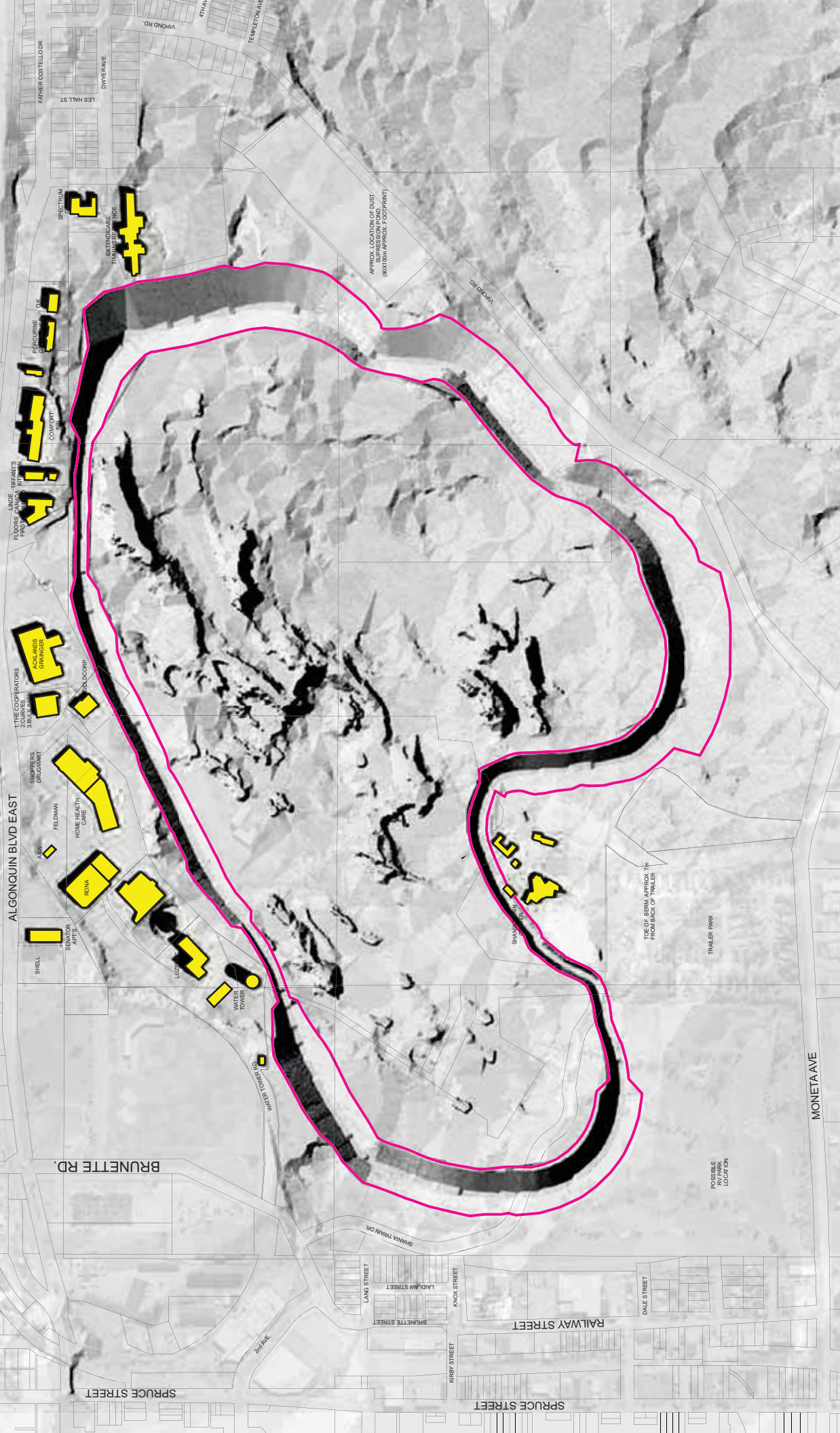
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SEPT 21 - 3:00 PM



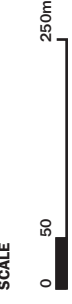
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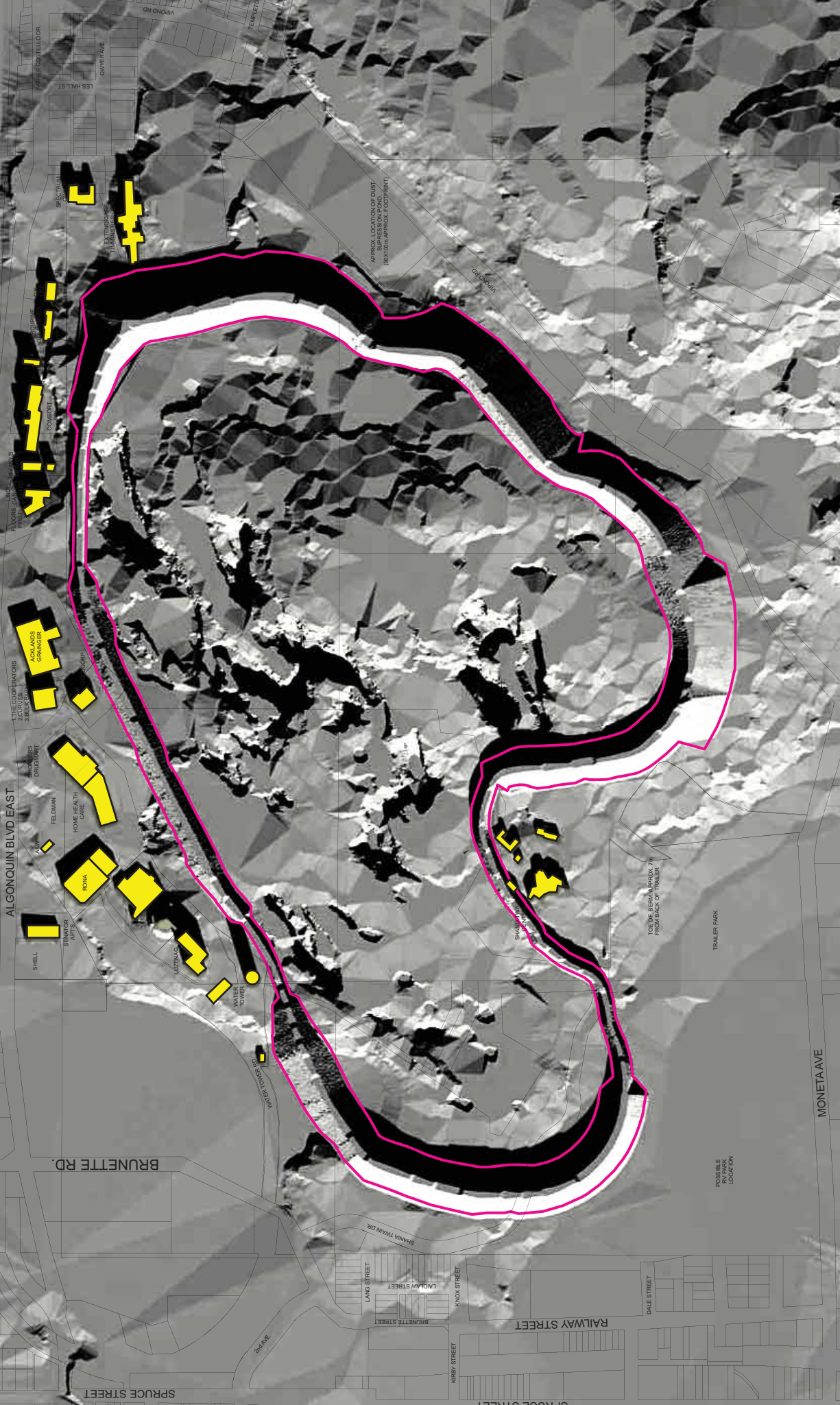
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SEPT 21 - 6:00 PM



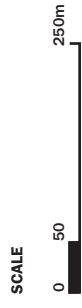
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SEPT 21 - 7:30 PM



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TIMMINS, ONTARIO

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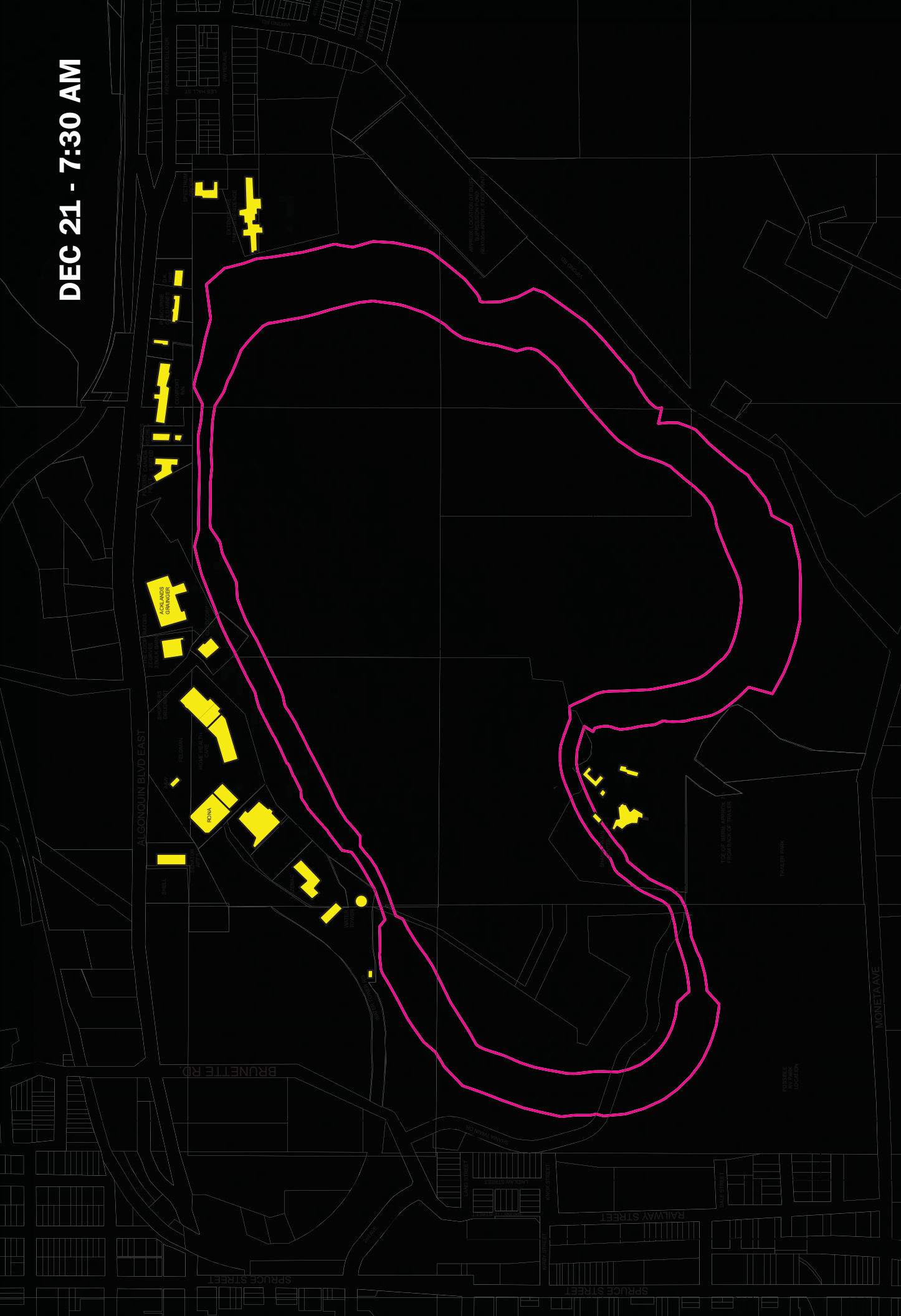
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■ Building Footprints

SCALE



DEC 21 - 7:30 AM



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LEGEND

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SCALE



DEC 21 - 9:00 AM



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0 50 250m

DEC 21 - 10:30 AM



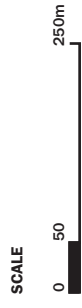
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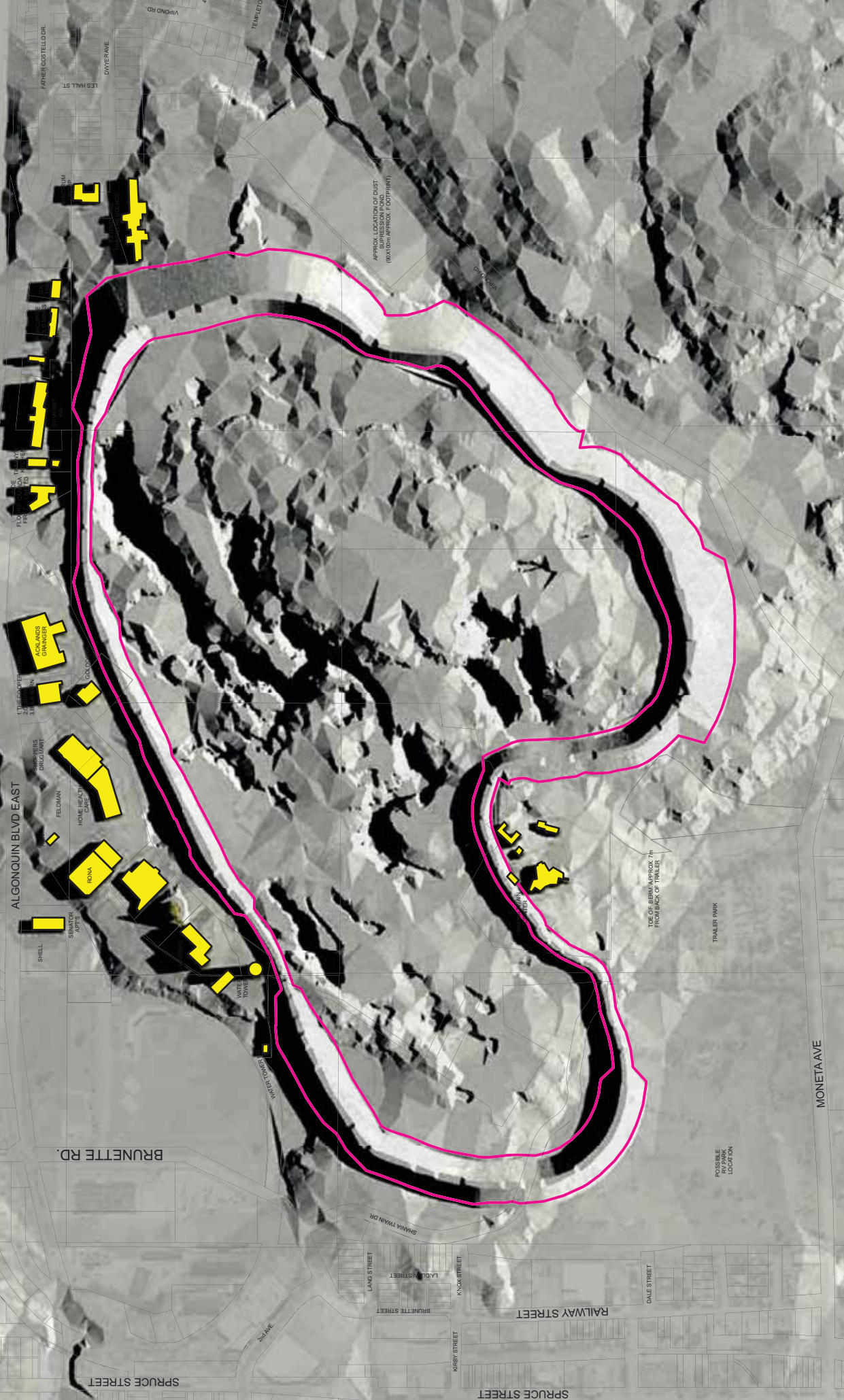
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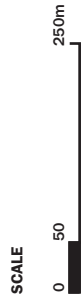
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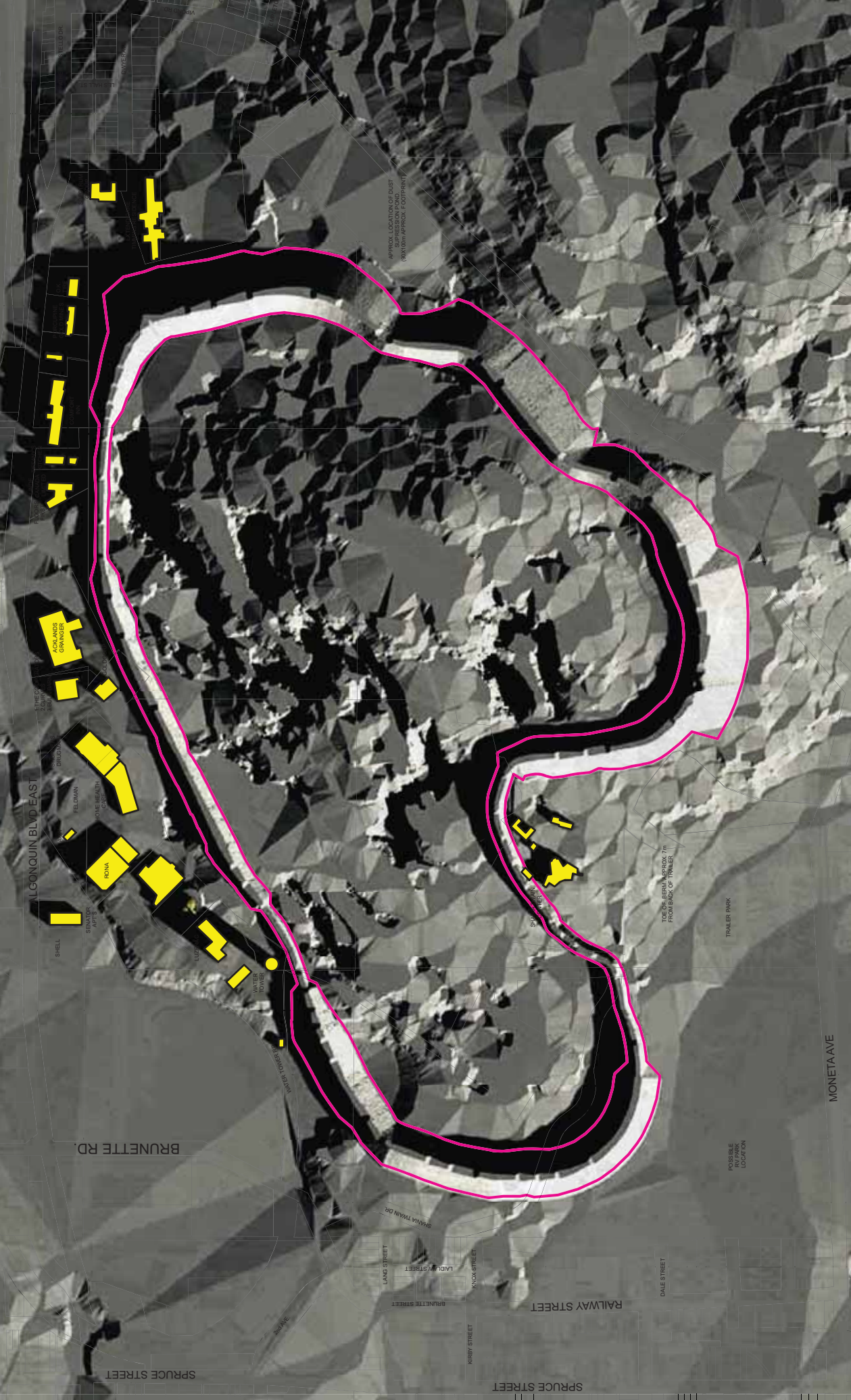
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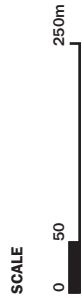
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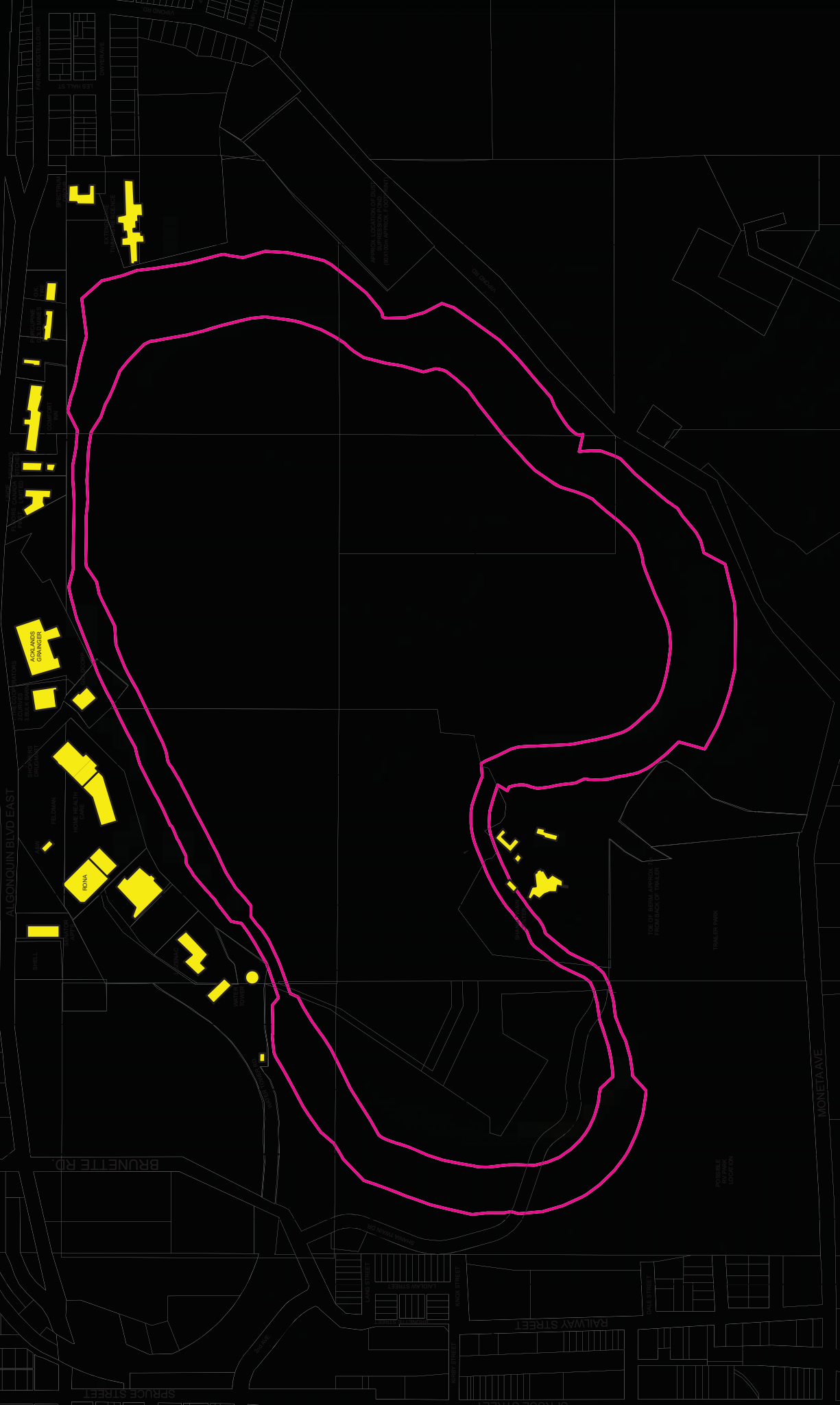
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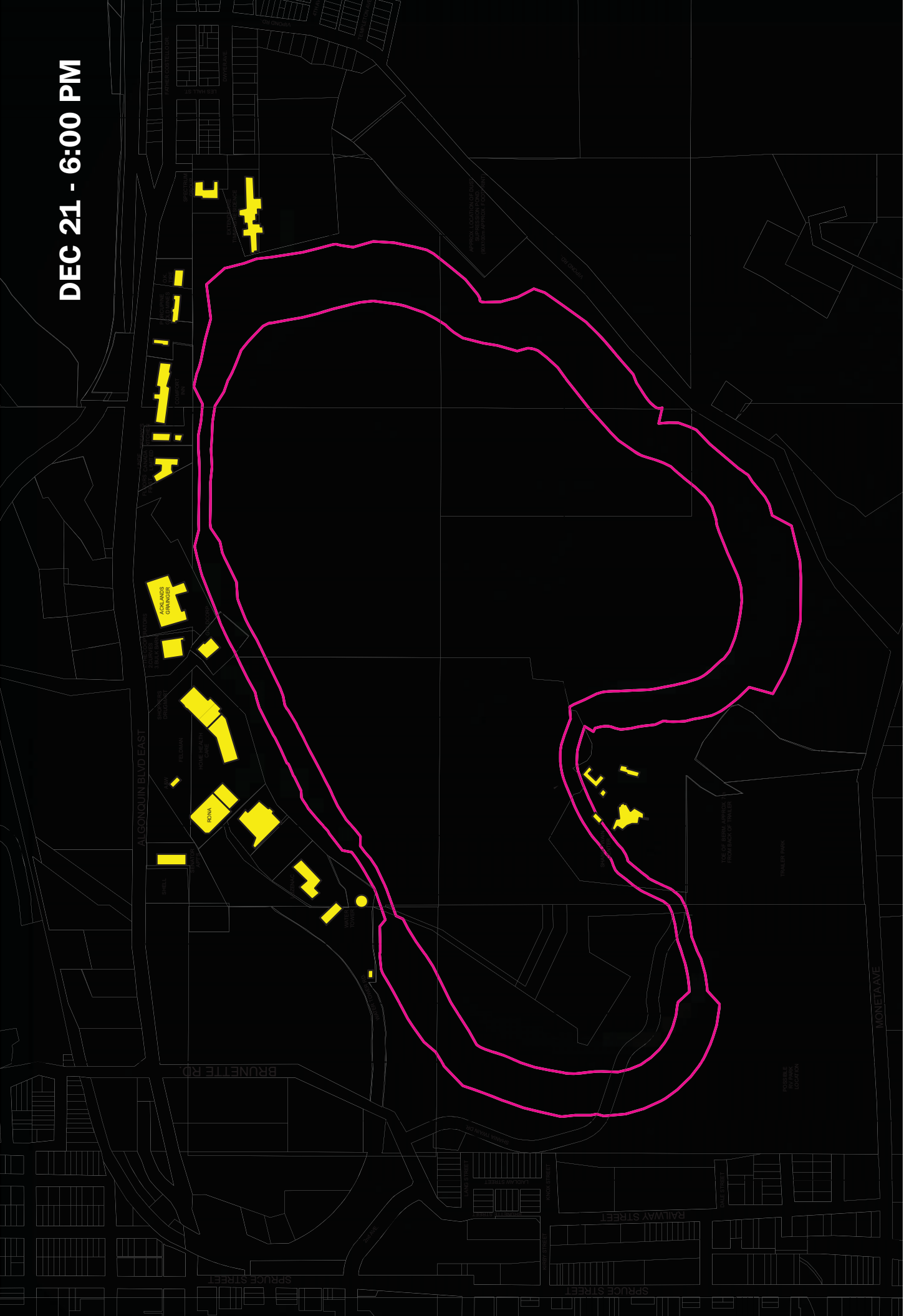
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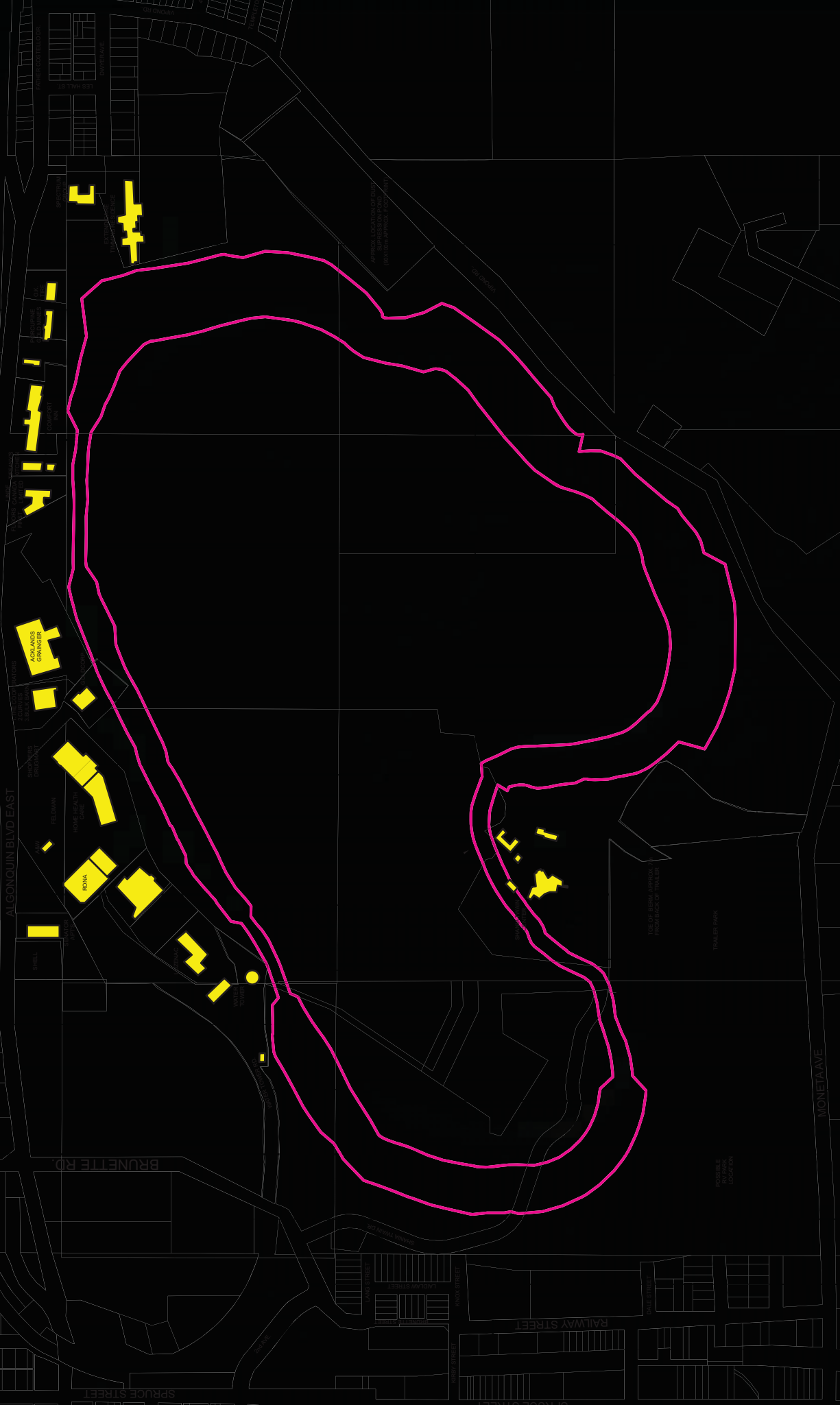
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