

Fisher Associates Presents:

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# Survey Webinar

# Webinar Instructions

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- **Q&A:** please feel free to ask questions at any point

# Introduction



**J. Steve Boddecker. L.S.**

Vice President / Director of  
Geomatics

# Purpose

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- To provide a broad-based general description of what a surveyor does and how it affects each of us.



# Agenda

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- Surveying Then and Now. What's the Difference?
- What do Surveyors do?
- Different Types of Surveys.
- Where's my Boundaries?
- Where are we Headed?



# Surveying Then

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- Surveying has been around since the beginning of civilization.
- How did they get the Great Pyramids aligned so well north and south?
- When Nomadic People decided to quit chasing game or looking for nuts and berries and became agrarian. Boundaries and land ownership became important.
- “Your Home is Your Castle”



# Surveying Then

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- Taxation.
- Peace and Tranquility
- Land Transfer
  
- Equipment:
  - Rope
  - Telescope
  - Compass
  - Chain
  - Transit
  - Theodolite
  - Steel Tape



# Surveying Now

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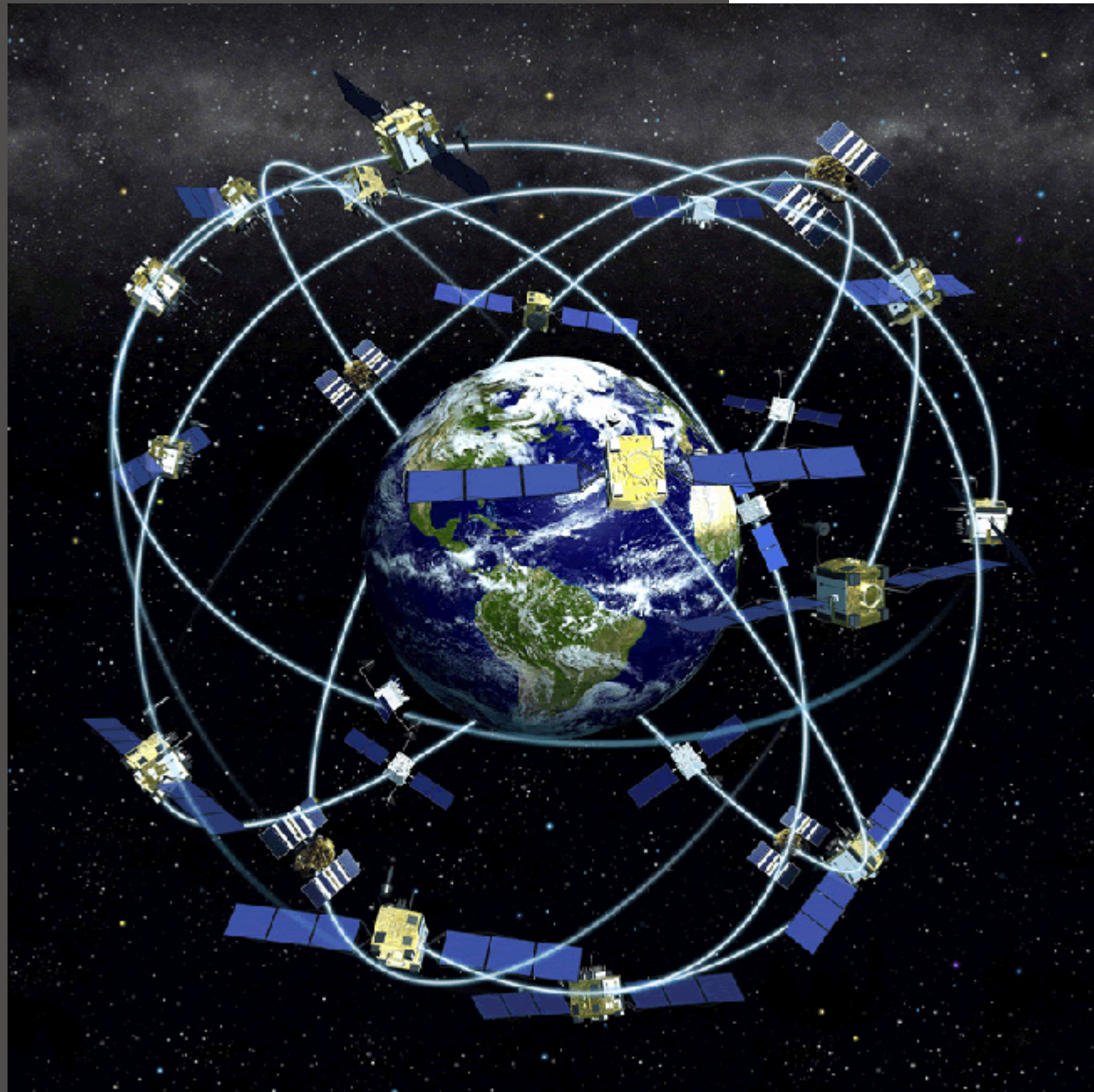
- Land Transfer and development.
- Taxation
- Route determination
- Equipment:
  - Theodolite
  - Steel Tape
  - Total Station
  - Global Positioning Survey (GPS)
  - Light Detection and Ranging (LIDAR)





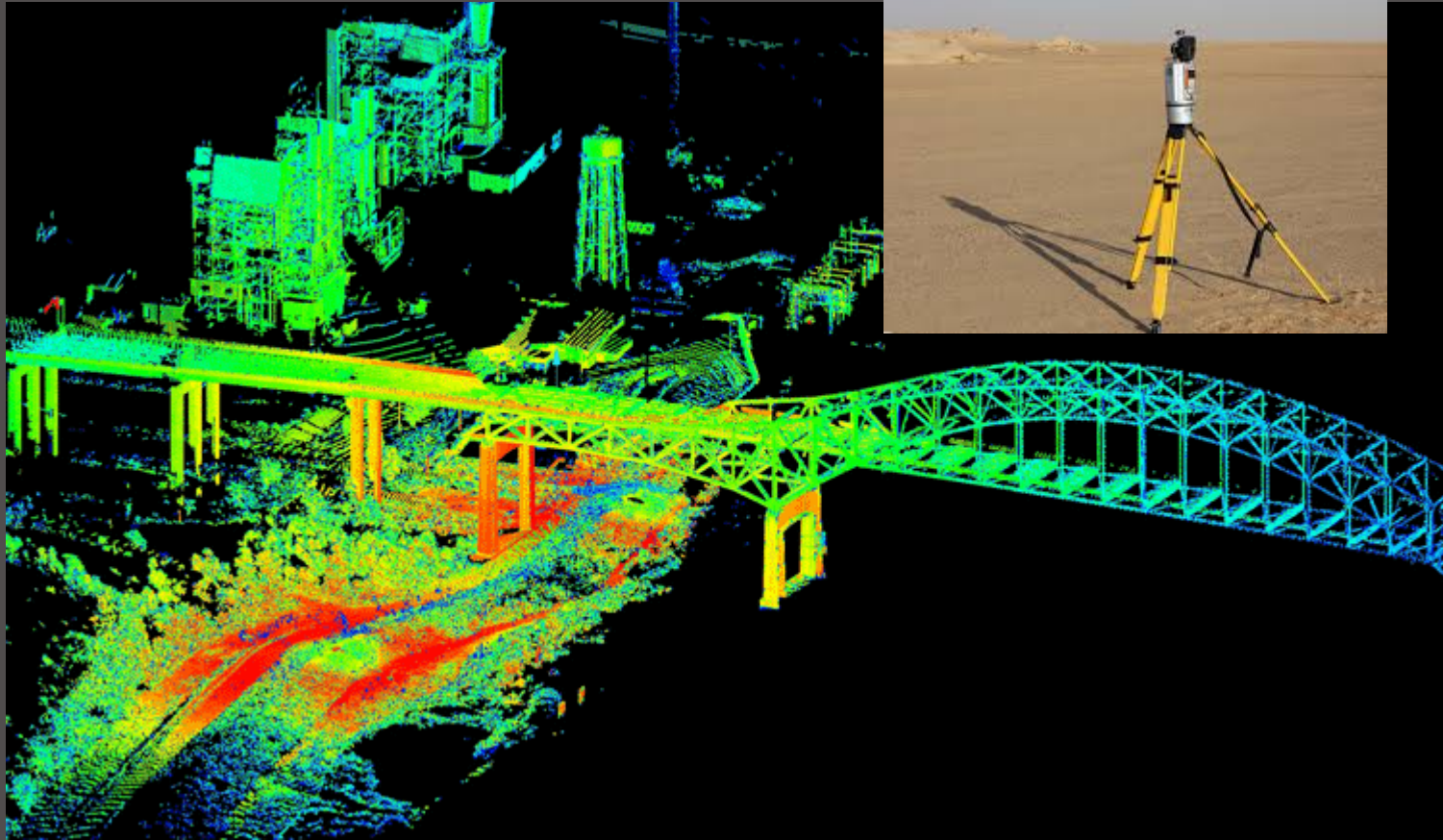
# Surveying Now

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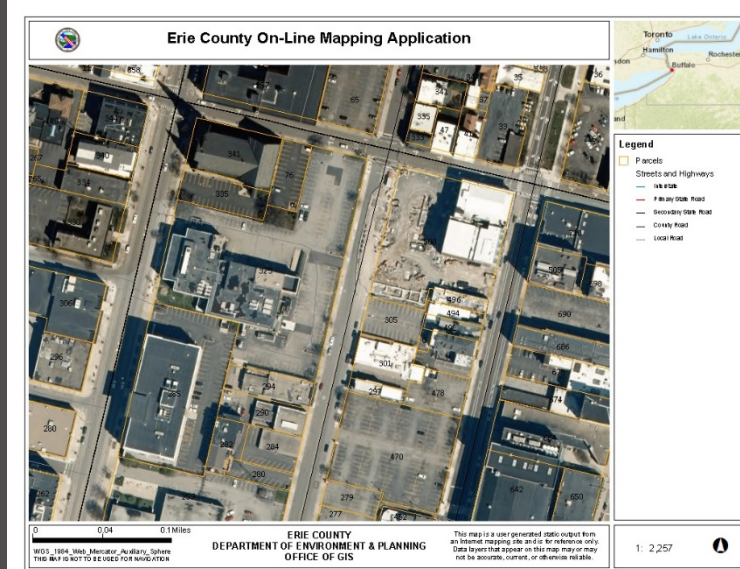
# Surveying Now

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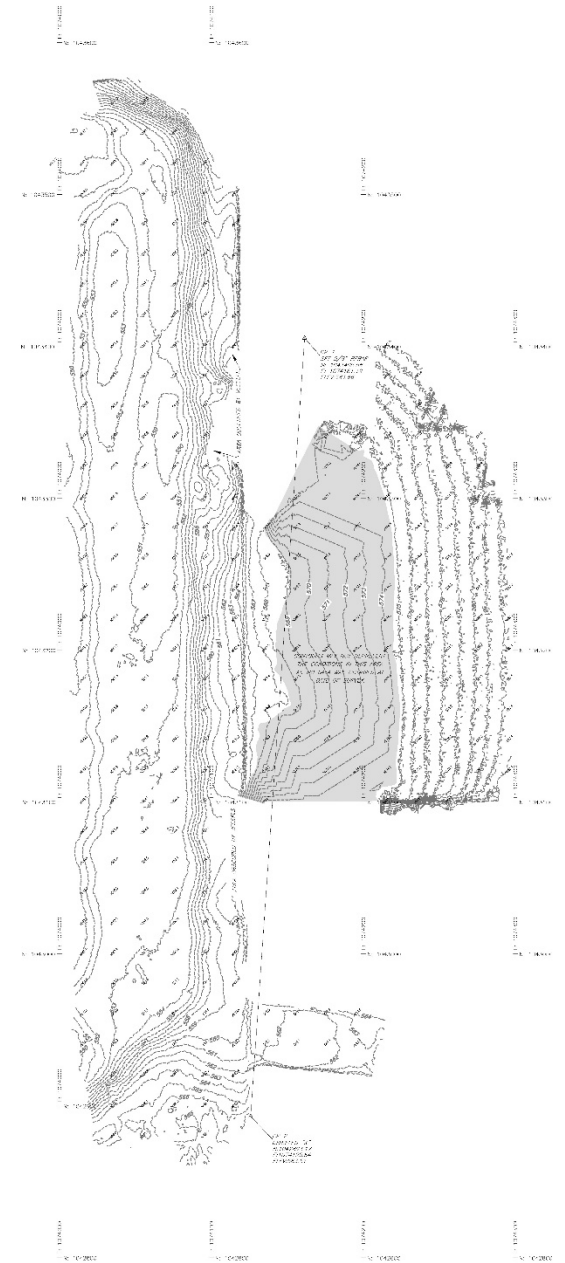
# What do Surveyors do?

- Accurately measure and map things including property boundaries.
- Determine the position of objects spatially
- Establish (stake out) object spatially.
- 



# Different Types of Surveys

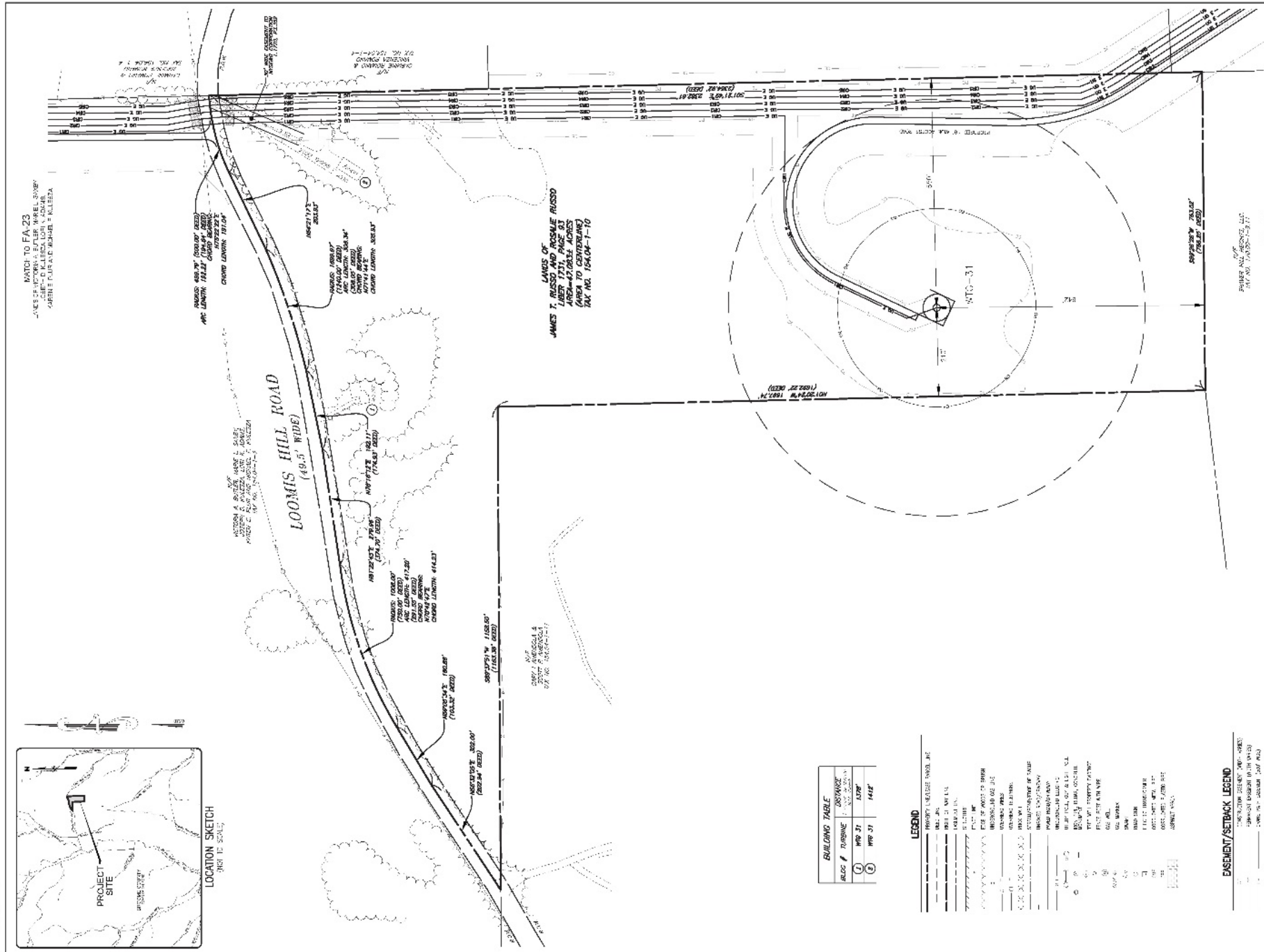
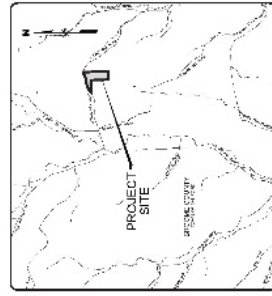
- Boundary
- Topographic
- Easement
- Aerial Easement
- Bathymetric
- Mining



## SURVEY NOTES

1. THE INFORMATION CONTAINED ON THIS MAP REPRESENTS THE GENERAL CONDITIONS EXISTING ON THE DATE OF SURVEY.
2. THE SURVEY WAS CONDUCTED USING THE FOLLOWING METHODS AND INSTRUMENTS: TOTAL STATION, GPS, AND AERIAL PHOTOGRAPHY.
3. THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH THE SURVEYING ACT, 1984, AND THE SURVEYING REGULATIONS, 1984.
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 DATE PLOT: 07/27/2018 9:05:25 AM  
 DATE: 7/27/2018



NO.	DESCRIPTION	DISSIMILARITY
1	PROPOSED BUILDING FOOTPRINT	1/8" = 1'-0"
2	EXISTING BUILDING FOOTPRINT	1/8" = 1'-0"
3	EXISTING DRIVEWAY	1/8" = 1'-0"
4	EXISTING DRIVEWAY	1/8" = 1'-0"
5	EXISTING DRIVEWAY	1/8" = 1'-0"
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27	EXISTING DRIVEWAY	1/8" = 1'-0"
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29	EXISTING DRIVEWAY	1/8" = 1'-0"
30	EXISTING DRIVEWAY	1/8" = 1'-0"

**LEGEND**

**PROPOSED/SETBACK LEGEND**

**EXISTING/SETBACK LEGEND**

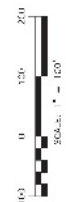
**UTILITIES/SETBACK LEGEND**

**WOODS**

**TOPOGRAPHY**

**BOUNDARIES**

**ADJACENT PLOTS**



**PROJECT:** BLUESTONE WIND PROJECT  
 5155 E. WINDY HILL RD AND WINDY HILL RD  
 BROOKING COUNTY, ND

**ALLOTTED:** PMP CONSTRUCTION & LANDSCAPE AND TITL SURVEY

**DATE:** 7/27/2018

**SCALE:** 1" = 100'

**FILE NAME:** G:\LAND\41819\DWG\24\_22\_2400A.DWG, 22 NOVEMBER  
 DATE PLOT: 07/27/2018 9:05:25 AM  
 DATE: 7/27/2018

**LOCATION SKETCH**  
SHEET 24 OF 24

**LOOMIS HILL ROAD**  
(49.5' WIDE)

**PROJECT SITE**

**MATCH TO FA-23**  
JAMES T. RUSSO AND ROSALE RUSSO  
LOT 81 AND 82, PARCELS 1-16  
ACRES 1.4666-1.4666

**MATCH TO FA-21**  
JAMES T. RUSSO AND ROSALE RUSSO  
LOT 83, PARCELS 1-16  
ACRES 1.4666-1.4666

**LANDS OF**  
JAMES T. RUSSO AND ROSALE RUSSO  
LOT 81, PARCELS 1-16  
ACRES 1.4666-1.4666

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**LANDS OF**  
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LOT 84, PARCELS 1-16  
ACRES 1.4666-1.4666

**REVISIONS:**

NO.	DATE	DESCRIPTION
1	7/27/2018	ISSUED FOR PERMITTING
2	7/27/2018	REVISED PER COMMENTS
3	7/27/2018	REVISED PER COMMENTS
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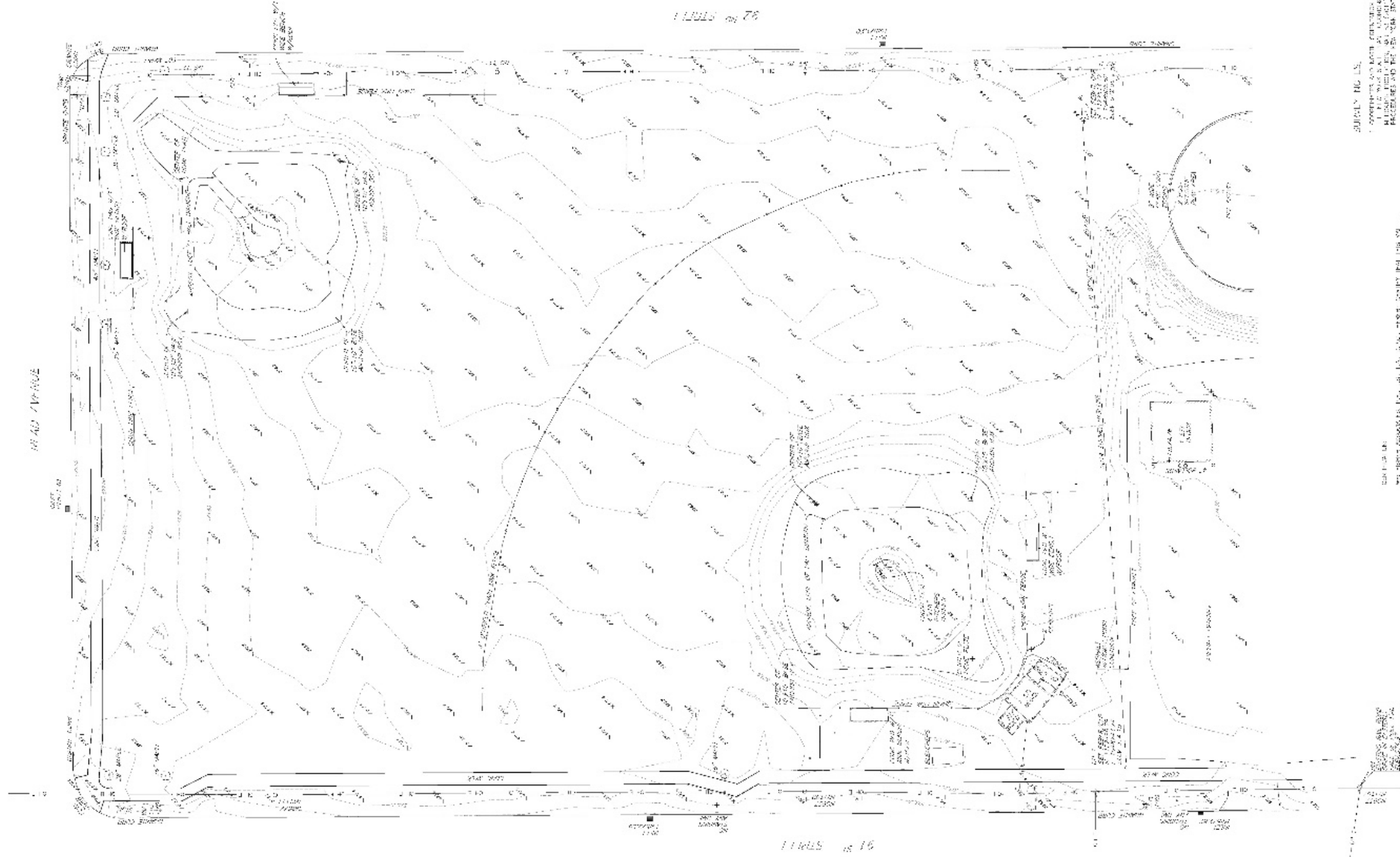
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5	7/27/2018	REVISED PER COMMENTS

**SCALE:** 1" = 100'

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 USER: M.MILLER



DATE: 02/20/19  
 PROJECT: 16009-00-1  
 CLIENT: S. BOBESCHNEV  
 SURVEYOR: M. MILLER  
 LICENSE: 17-20  
 DATE: 02/20/19



PROJECT: MINERVA STREET PARK  
 CITY OF NIAGARA FALLS  
 NIAGARA COUNTY, NEW YORK  
 TITLE: EMVTC  
 TOPOGRAPHIC SURVEY

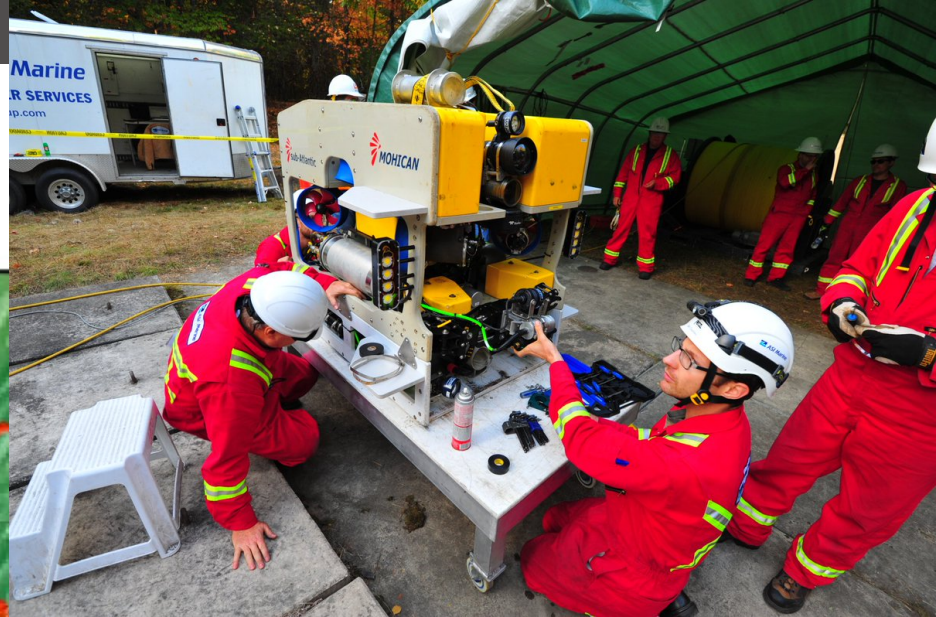
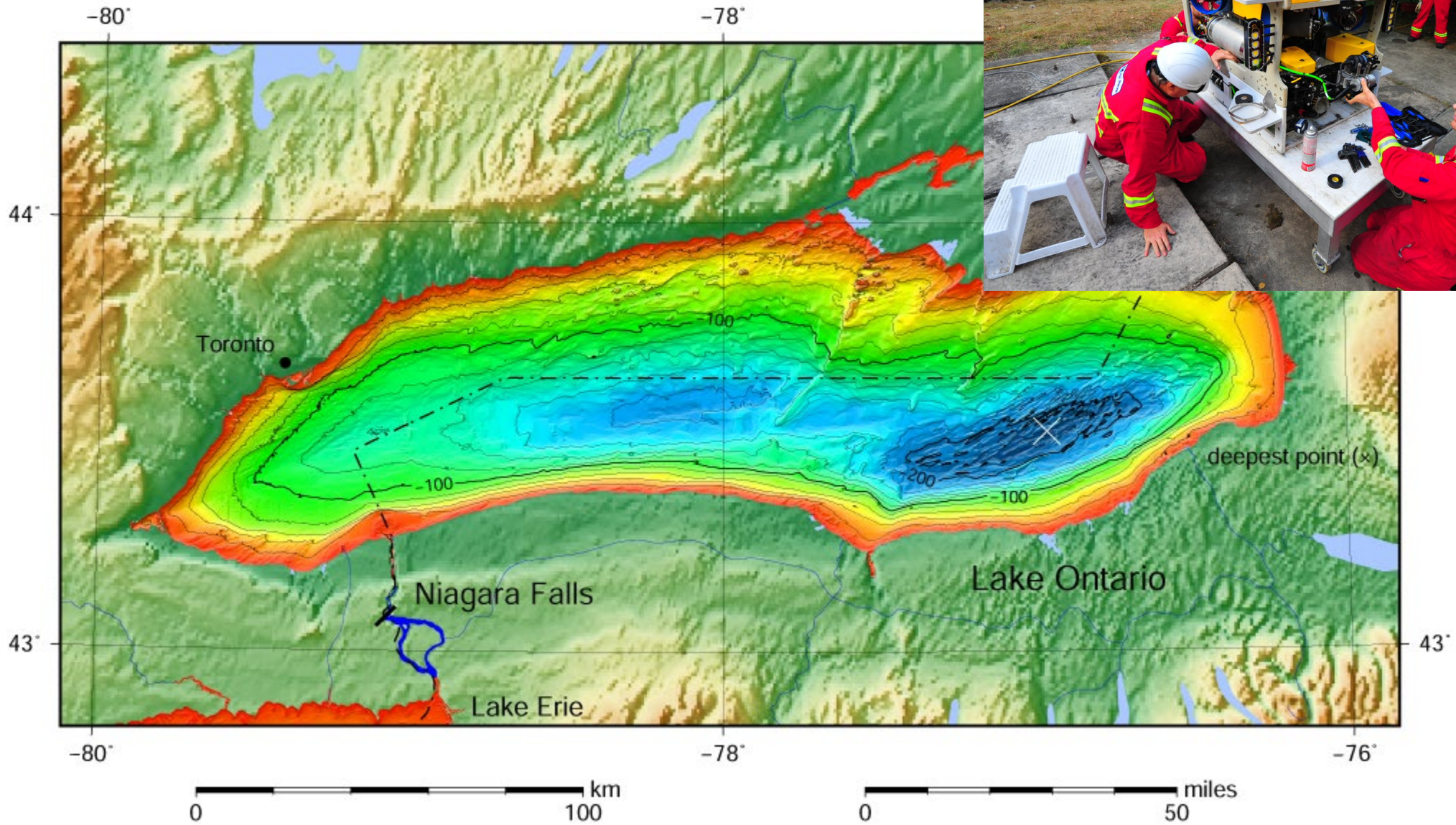
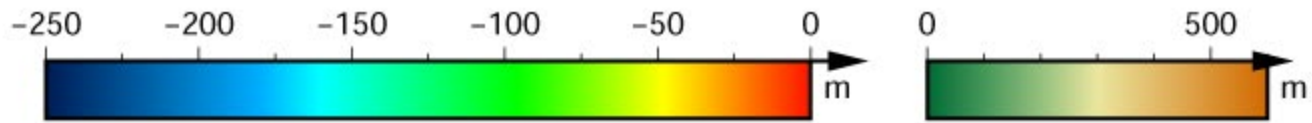
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SHEET 1 OF 1

REV	DESCRIPTION	DATE	BY
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2	REVISIONS TO PERMIT		
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5	REVISIONS TO PERMIT		
6	REVISIONS TO PERMIT		
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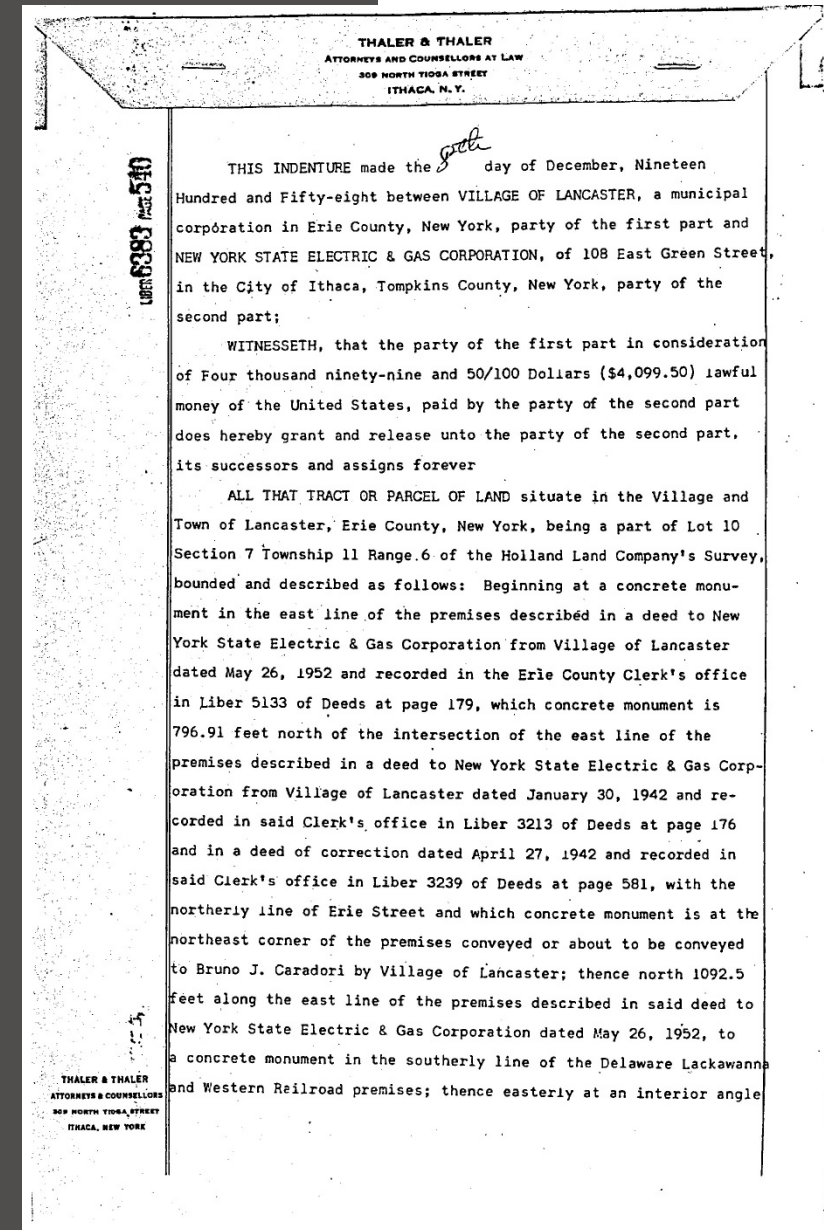
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 600 - 10/11/18  
 700 - 10/11/18

NOTES:  
 1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.  
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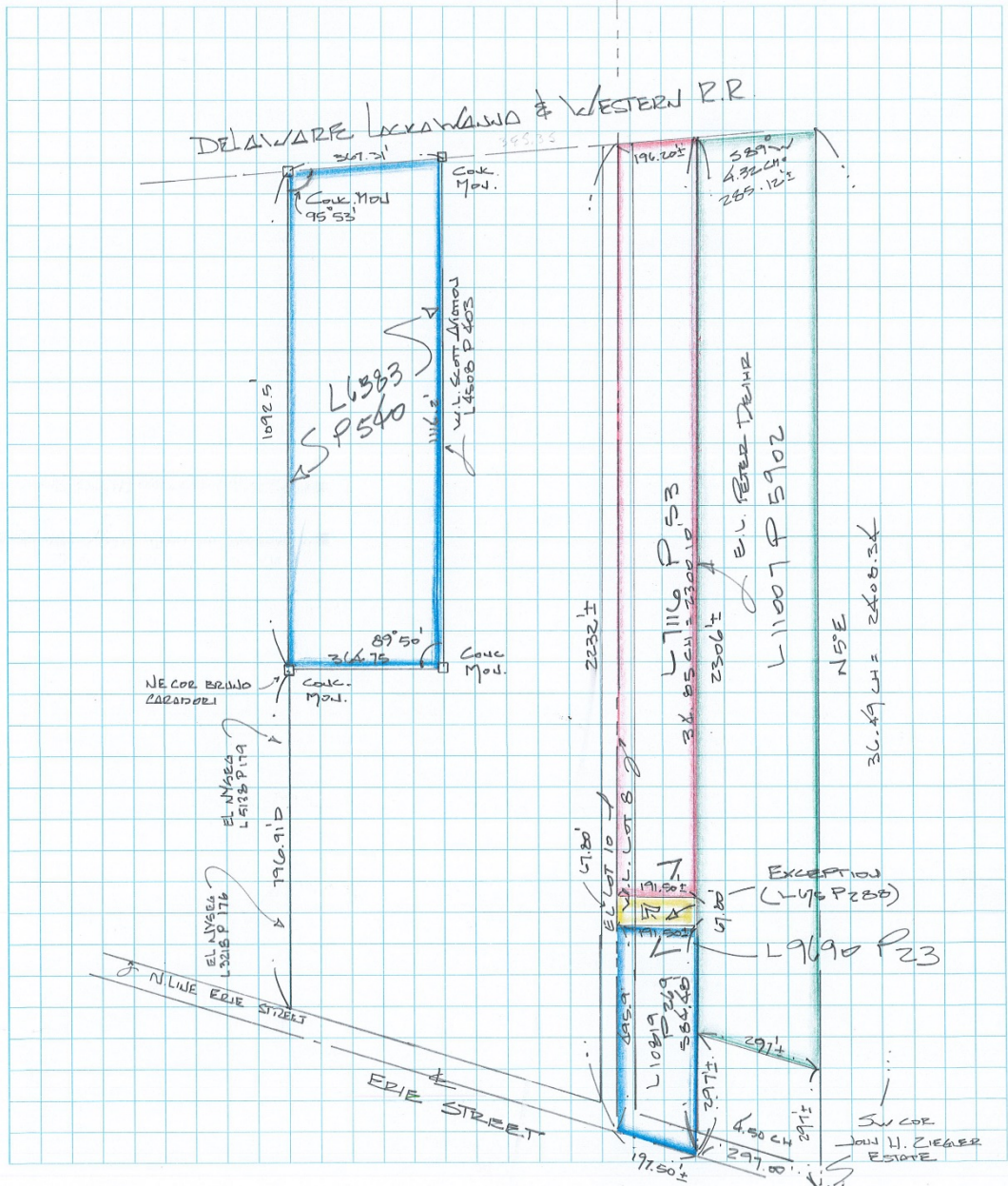


# Where's my Boundaries?

- That Depends!
- How did you obtain title?
  - Warranty Deed
  - Quitclaim Deed
  - Referee Deed (Tax Sale)
  - Will
- Who did you obtain title from?
- What is the language?



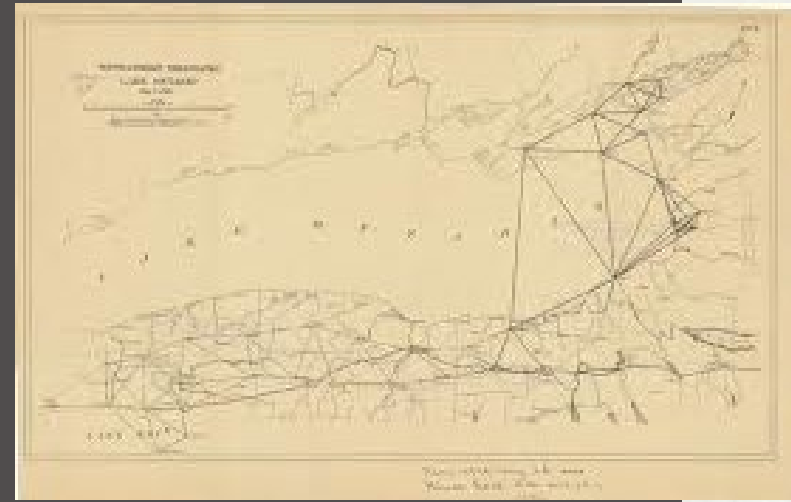




# Where are we Headed?

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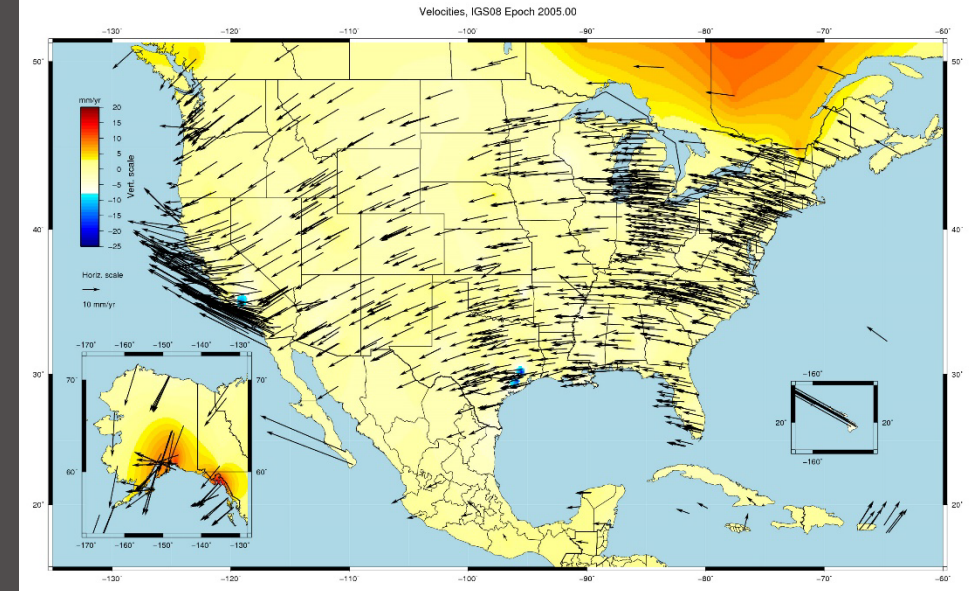
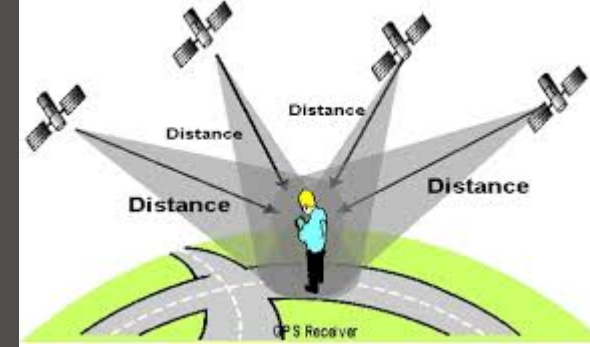
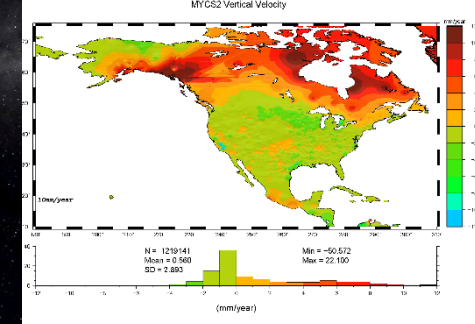
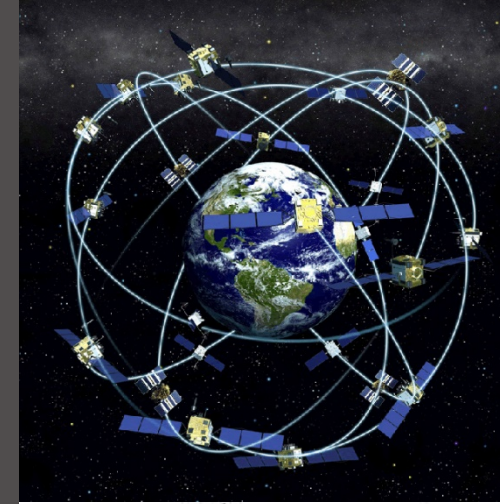
- Its all about the Triangle.
- US Lake Survey 1860's (Civil War)



# Where are we Headed?

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- Tectonics Shift
- Glacial Rebound





# Final thoughts

Surveying is not a dead-end profession. We are always moving technologically and tectonically

# Questions?

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Thanks for joining us!



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