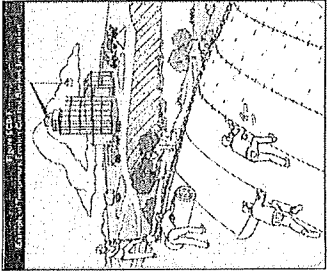




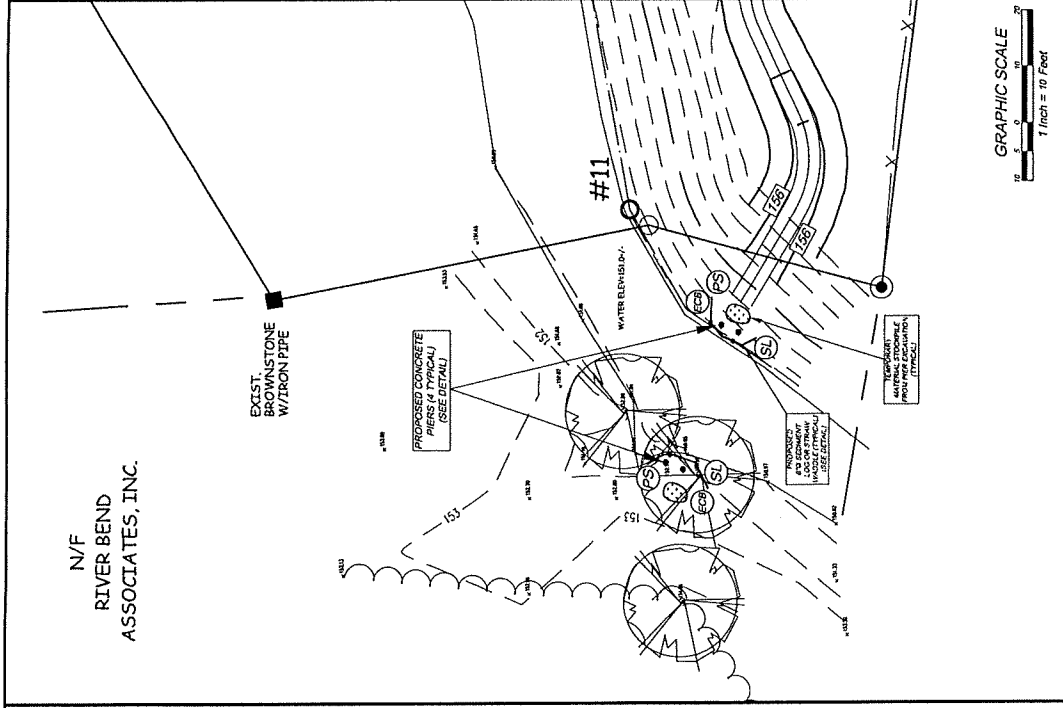
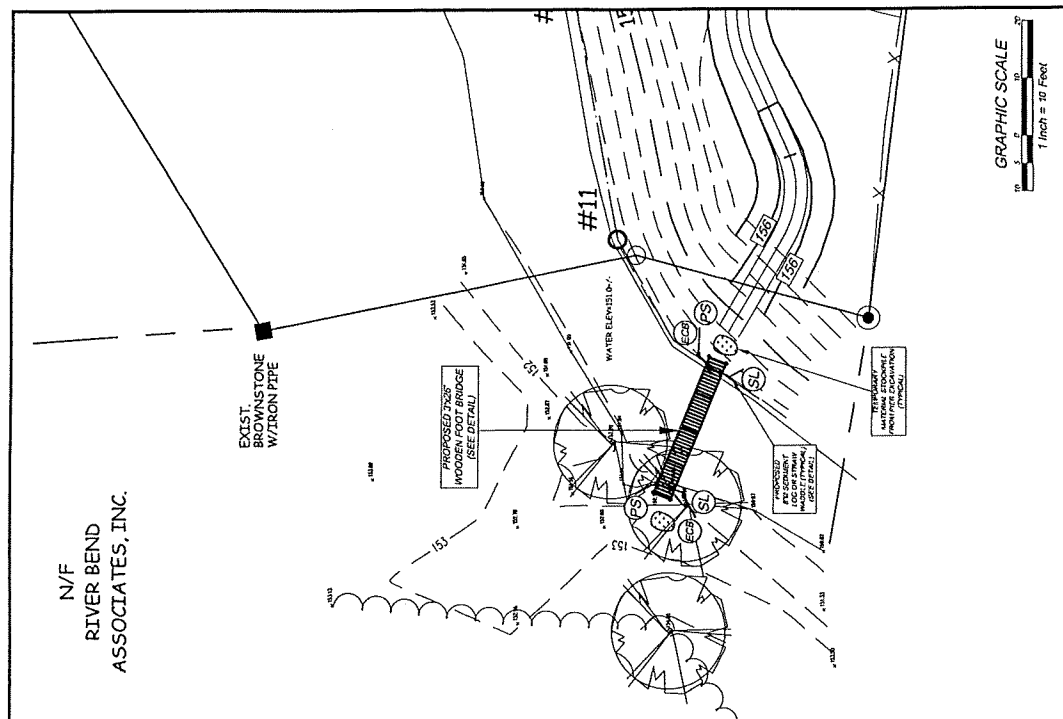
**Construction Sequence**

1. Clear the area from the proposed bridge site.
2. Place a photostation marking with UTM accuracy. Check alignment and grade. Use a total station to determine the location of the bridge piers, abutments, and approach.
3. Erect a temporary structure to support the bridge piers during construction.
4. Excavate the foundation pits for the bridge piers and abutments.
5. Construct the foundation pits for the bridge piers and abutments.
6. Erect the bridge piers and abutments.
7. Place concrete for the bridge deck and approach.
8. Erect the bridge deck and approach.
9. Erect the bridge deck and approach.
10. Erect the bridge deck and approach.
11. Erect the bridge deck and approach.
12. Erect the bridge deck and approach.
13. Erect the bridge deck and approach.



**Maintenance of Erosion and Sediment Controls**

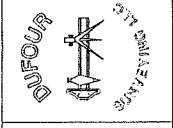
1. Permanent Erosion (PE)
  - 1.1. Erosion prevention measures shall be in place at least 24 hours before the start of any construction activity.
  - 1.2. Erosion prevention measures shall be maintained throughout the construction period.
  - 1.3. Erosion prevention measures shall be removed only after the construction is complete and the site is stabilized.
2. Temporary Erosion (TE)
  - 2.1. Erosion prevention measures shall be in place at least 24 hours before the start of any construction activity.
  - 2.2. Erosion prevention measures shall be maintained throughout the construction period.
  - 2.3. Erosion prevention measures shall be removed only after the construction is complete and the site is stabilized.
3. Sedimentation (S)
  - 3.1. Sedimentation measures shall be in place at least 24 hours before the start of any construction activity.
  - 3.2. Sedimentation measures shall be maintained throughout the construction period.
  - 3.3. Sedimentation measures shall be removed only after the construction is complete and the site is stabilized.
4. Erosion Control (EC)
  - 4.1. Erosion control measures shall be in place at least 24 hours before the start of any construction activity.
  - 4.2. Erosion control measures shall be maintained throughout the construction period.
  - 4.3. Erosion control measures shall be removed only after the construction is complete and the site is stabilized.



N/F RIVER BEND ASSOCIATES, INC.

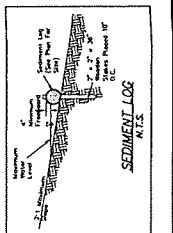
N/F RIVER BEND ASSOCIATES, INC.

PROPOSED FOOT BRIDGE SITE PLAN	
PREPARED FOR:	EAST GRABBY LAND TRUST
SCALE:	1" = 10'
DATE:	11-27-2023
PROJECT NO.:	200-201-23-119
FILE NO.:	132-148
PROJECT:	200-201-23-119
DATE:	11-27-2023
PROJECT NO.:	200-201-23-119
FILE NO.:	132-148



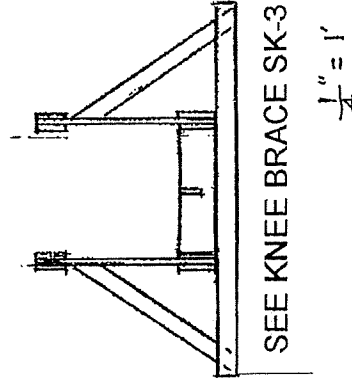
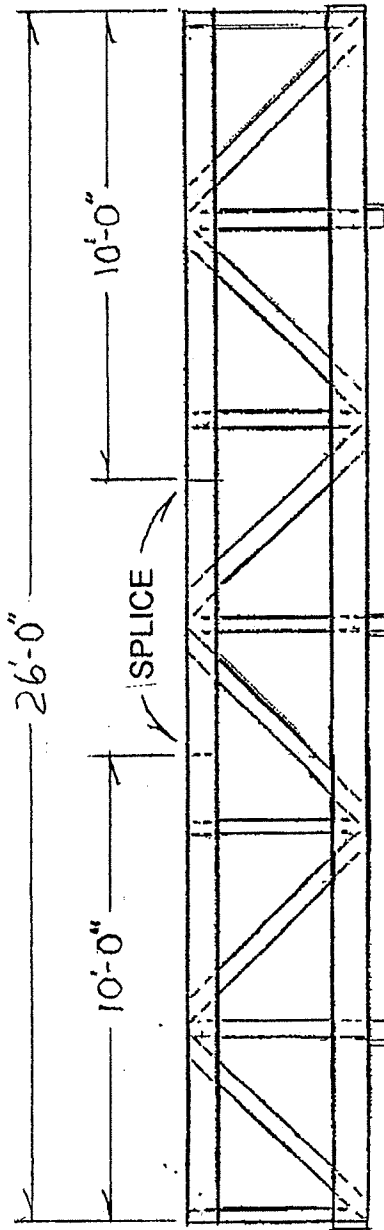
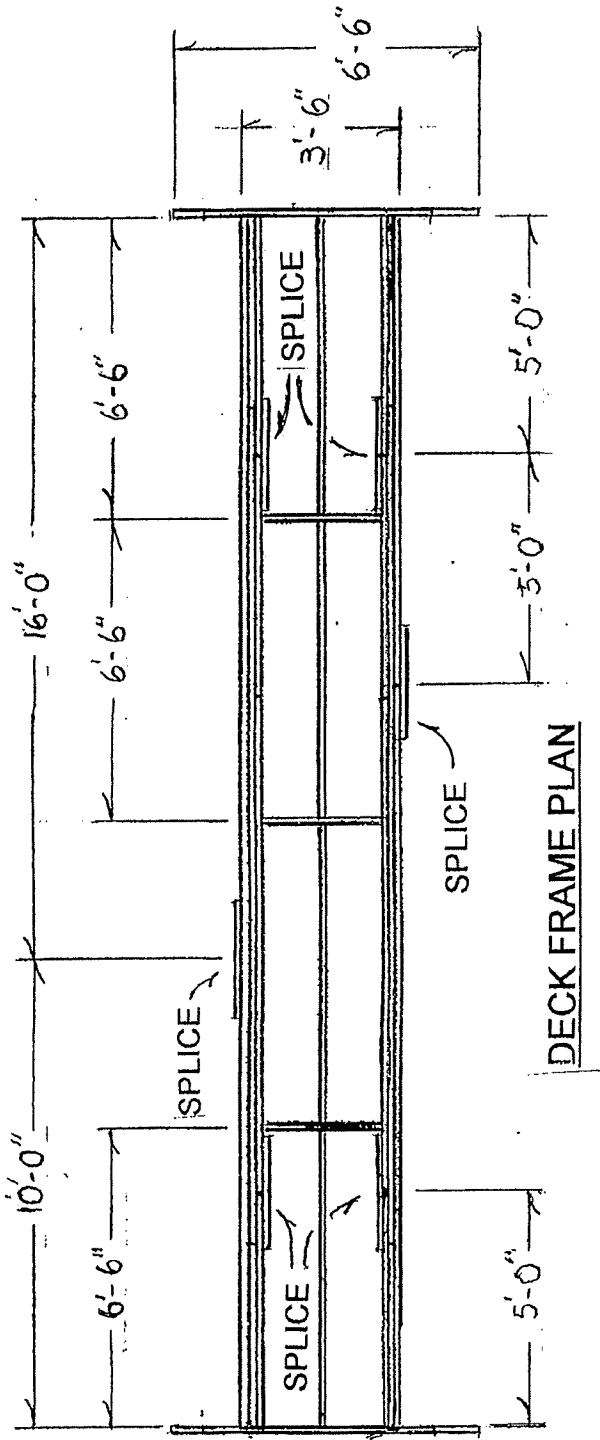
The information on this plan was prepared by the engineer or geoscientist named in the title block and is based on the information provided to the engineer or geoscientist. The engineer or geoscientist is not responsible for the accuracy or completeness of the information provided to the engineer or geoscientist. The engineer or geoscientist is not responsible for the accuracy or completeness of the information provided to the engineer or geoscientist.

CHAMBERLAIN, HARRISON & ASSOCIATES, L.L.C. # 70719  
1000 WEST 10TH AVENUE, SUITE 100  
DENVER, COLORADO 80202



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CHAMBERLAIN, HARRISON & ASSOCIATES, L.L.C. # 70719  
1000 WEST 10TH AVENUE, SUITE 100  
DENVER, COLORADO 80202



EGLT

**TOM & GINNIE HOWARD BRIDGE**

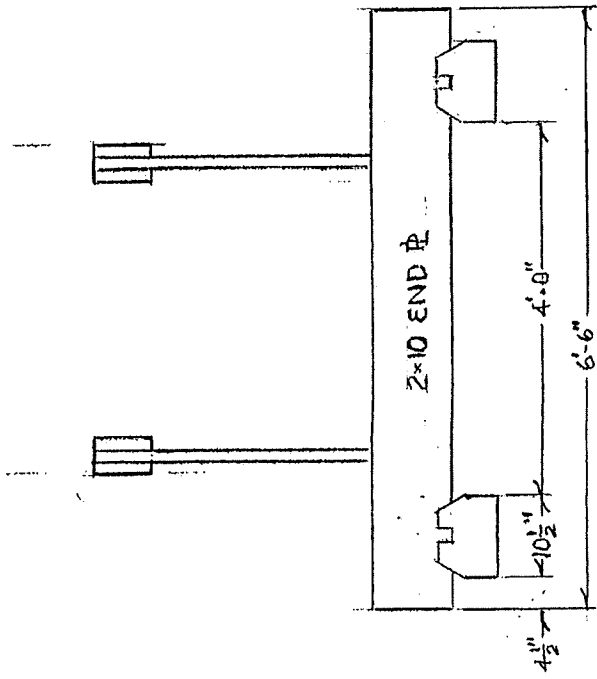
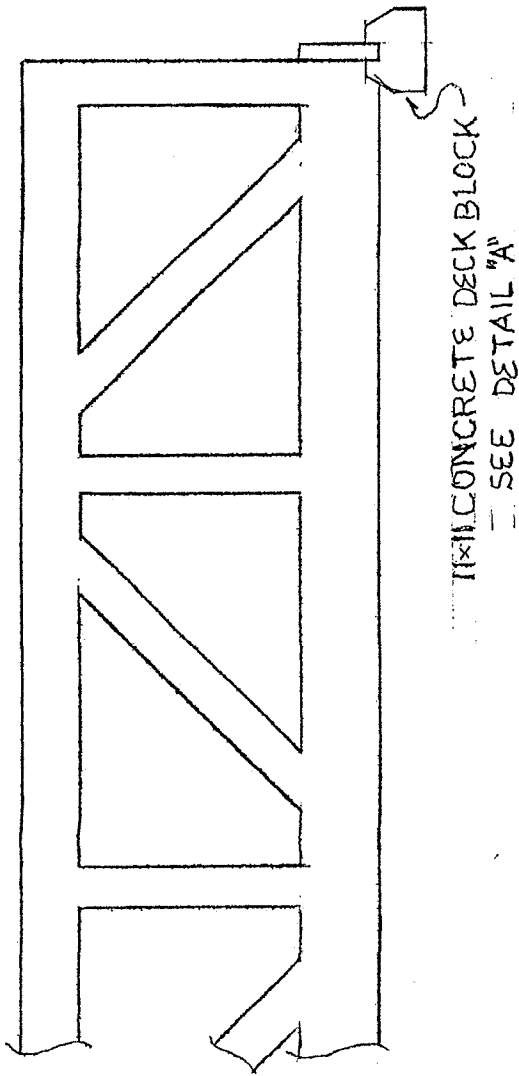
SUGGESTED DESIGN SK-1.1 SUPERCEDES SK-1

**SK-1.1**

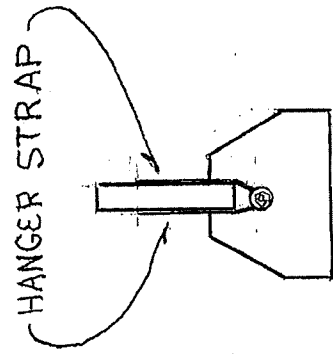
JMC 11/30/22

**NOTES:**

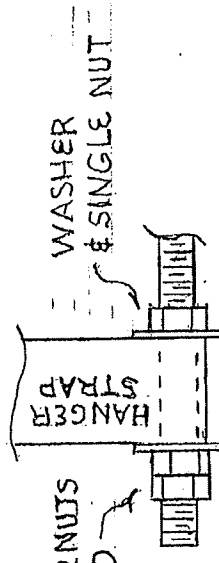
1. ALL LUMBER PRESSURE TREATED FOR OUTDOOR USE.
2. UPPER CHORD 2x8, LOWER CHORD 2x10 LUMBER.
3. 30" SPLICE AT INDICATED JOINTS.
4. ALL WEB MEMBERS AND KNEE BRACE 2x6 LUMBER.
5. END PL AND DECK CROSS BEAMS 2x10 LUMBER.
6. DECK STRINGER 2x6 LUMBER.



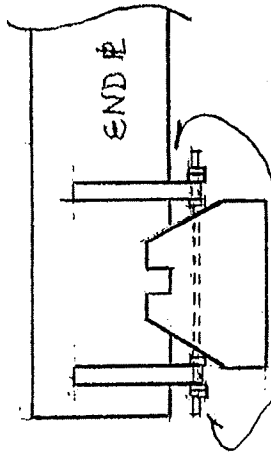
1/2" = 1'



WASHER & 2 NUTS  
JAMMED



DETAIL "B" 1/2" = 1'



5/8" x 18" THREADED ROD  
NUTS & WASHER  
SEE DETAIL "B"

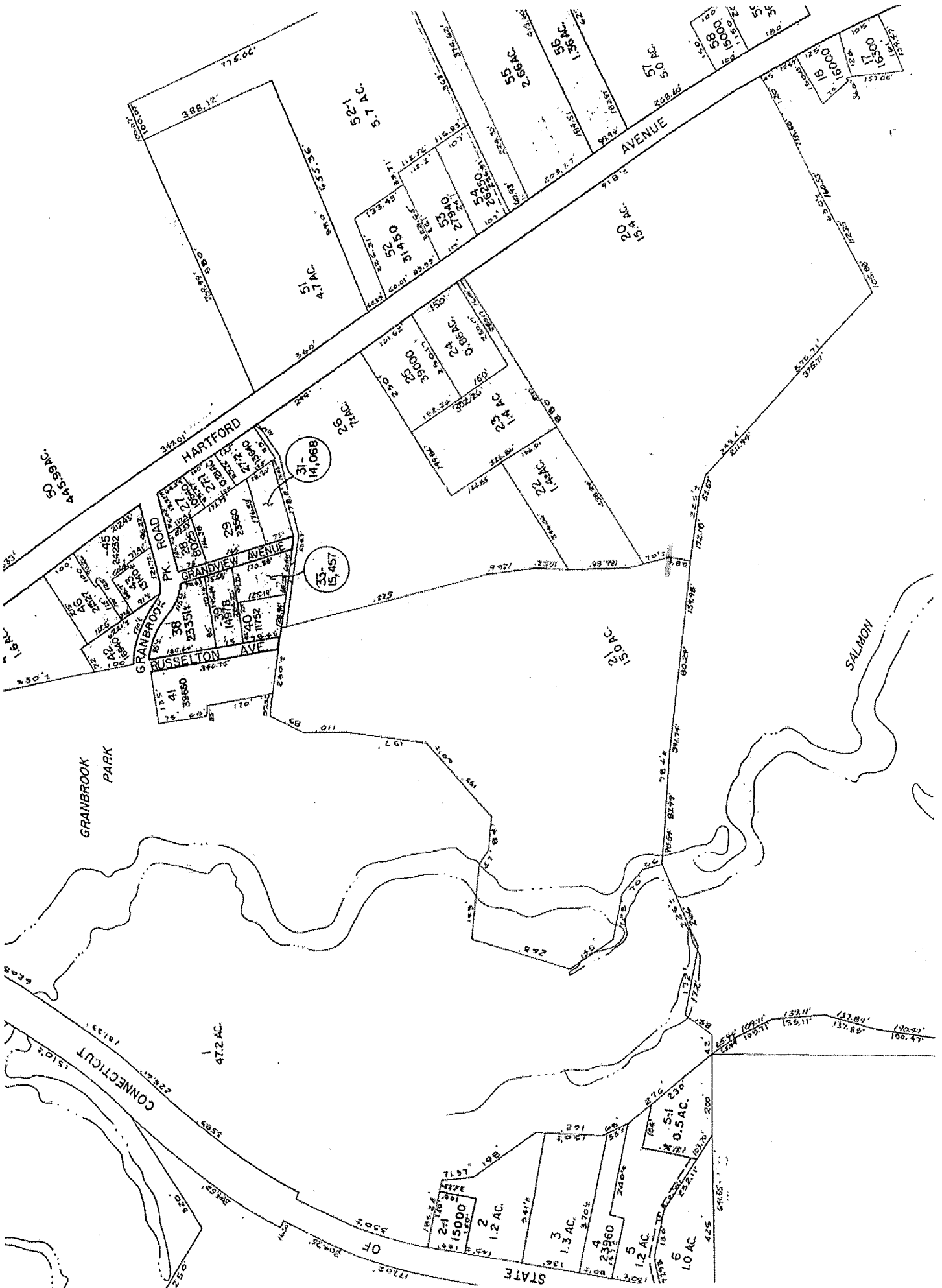
18" HANGER STRAP  
BENT UNDER ROD  
& SCREWED TO END  $\phi$

DETAIL "A" 1" = 1'

EGLT  
TOM & GINNIE HOWARD BRIDGE  
SUGGESTED FOOTING

SK-2

JUNE 11:30:22



GRANBROOK PARK

HARTFORD

SALMON

CONNECTICUT

STATE

AVENUE

GRANDVIEW AVENUE

RUSSELLTON AVE

GRANBROOK PK. ROAD

47.2 AC

15.0 AC

31- 14,068

33- 15,457

2-1 15000

1.2 AC

3 1.3 AC

4 1.2 AC

5 1.0 AC

0.5 AC

5.7 AC

1.36 AC

5.0 AC

13.4 AC

4.1 AC

2.0 AC

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Map Find Data Coordinates Draw Print/Escort/Status

Home Full Screen Satellite View Print Backwards Layer List

Tools



- Layers
- Connecticut
  - Towns
  - Boundaries
  - Built Environment
  - Contours 2016
  - Watersheds
  - Bioclimes
  - Water Resources
  - Open Space
  - Coastal Resource Management
  - Water Quality Classifications
  - Water Quality
  - Soils
  - Geology
  - Statewide Imagery
  - Regional Imagery
  - Coastal Imagery
  - Elevation
  - Hillshade
  - ShadedRelief
  - Aspect
  - Slope
  - Elevation

Scale: 0 100 200m

Layers

CT DEEP USGS | CT DEEP USGS | USDA NRCS | USACE | CT DEEP | CT DEEP | USACE

CT ECO Library | MapServer | Data Storage | 14





Amanda Thompson

President, East Granby Land Trust

PO Box 39

East Granby, CT 06026

12/4/2022

Dear Amanda,

On December 2, 2022 I performed an onsite investigation of the soils at the site of the proposed wooden walking bridge on the Howard Preserve. The crossing site consists of a transect from an upland area dominated by sloping non-wetland soils formed in sand and gravel deposits, that then crosses a wet side channel of an unnamed tributary, and then floodplain soils on the edge of the agricultural field dominated by floodplain soils. I examined the soils in greater detail than shown in the USDA NRCS Soil Survey. I offer the following additional information on the soils in the crossing from East to West:

- 1- Wooded Sloping area and streambank, eastern side- Excessively drained non wetland Hinkley soils, with a narrow band (approx. 3ft in width) of moderately well drained Sudbury soils are on the streambank adjacent to the channel, and may flood rarely. A blue flag was placed on the upslope side.
- 2- Side Channel- This channel of an intermittent water course is dominated by very poorly drained soils formed in alluvium. It also appears to capture some groundwater seepage from upslope areas. Similar soil series would be Saco soils.
- 3- Wooded bank on western side- Dominated by somewhat poorly drained soils formed in very fine sandy loam alluvium. These unnamed soils are slightly wetter than the similar Pootatuck soils.

The proposed crossing is on the back side of the floodplain, and includes crossing a shallow mucky woody debris filled channel associated with an intermittent watercourse. There was no evidence of significant scour, and finer textured soils would indicate there is low energy from any flooding events. Below is a picture of the crossing area, with the blue flag barely visible to the east in the center of the picture.



Should you have additional questions, please feel free to contact me.

Sincerely,

Kip

Kipen J. Kolesinskas

Consulting Conservation Scientist

Professional Soil Scientist

860-878-0393