

## Section 7.0 Application Requirements

7.1 Any person intending to conduct a regulated activity or to renew or amend a permit to conduct such activity, shall apply for a permit on a form provided by the Commission. The application shall contain the information described in this section and any other information the Commission may reasonably require. Application forms may be obtained in the offices of the Town Clerk or the Commission.

Application submitted November 2, 2022, and accepted by the commission on December 7, 2022.

Additional information asked by the commission chair:

1. List a contractor: Amanda Thompson will be the point of contact; however, Dan Valcofsky, owner of Forward Solutions, Inc. Carpentry, will be volunteering his time to assist our volunteers with constructing the footbridge.
2. List a sequence of building: See page 8
3. Reason the footbridge needs to be in this location: see 7.5f and 7.6e
4. Town Planners Comments: will be provided by Robin Newton

7.2 If an application to the Town of East Granby Planning and Zoning Commission for zoning or subdivision approval, special zoning permit, or variance or special exception involves land containing a wetland or watercourse, the applicant shall, in accordance with Section 8-3(g), 8-3c, or 8-26, as applicable, of the Connecticut General Statutes, submit an application for a permit to the Commission in accordance with this section, no later than the day the application is filed with the Planning And Zoning Commission.

N/A

7.3 The application shall contain such information as is necessary for a fair and informed determination thereon by the Commission.

Submitted:

1. Property map
2. Lidar map of bridge location
3. Surveyor map
4. Footbridge design
5. Professional soil scientist study
6. Map of Flood Zone
7. Town Engineer Comments

7.4 A prospective applicant may request the Commission to determine whether or not a proposed activity involves a significant impact activity.

Commission answer: Maybe

7.5 All applications shall include the following information in writing or on maps or drawings:

a. the applicant's name, home and business mailing addresses and telephone numbers; if the applicant is a Limited Liability Corporation or a Corporation the managing member's or responsible corporate officer's name, address, and telephone number;

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President, East Granby Land Trust  
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East Granby, CT 06026

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651-428-2059

b. the owner's name, mailing address and telephone number and written consent of the land owner if the applicant is not the owner of the land upon which the subject activity is proposed;

n/a

c. the applicant's interest in the land;

We would like to build a footbridge to cross a small watercourse in order to bring school children safely to Howard Preserve and Granbrook Park for educational programming. The only other option is to walk on Hartford Ave. to Granbrook Park Rd. which is not a safe option and will not be approved by the school. Our goal in building the footbridge is to make the least impact possible in the wetlands area and bring environmental awareness to the community.

d. the geographical location of the land which is the subject of the proposed activity and a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation;

Submitted:

1. Property map
2. Lidar map of footbridge location
3. Surveyor map
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6. Town Engineer Comments

e. the purpose and a description of the proposed activity and proposed erosion and sedimentation controls and other management practices and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including, but not limited to, measures to (1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance and create productive wetland or watercourse resources;

We originally submitted a plan for a footbridge that would be anchored in the ground. We revised the footbridge to sit on top of the ground as a temporary structure. This is to minimize the environmental impact. It will be able to move if the water level does rise but will be chained to large trees upstream and downstream to stop it from moving too far from its original location. We will be using sediment logs in advance of any storms and using erosion control blankets on either side of the footbridge while building and will reinstall as necessary. We will also be doing all our work when the ground is frozen to make the least impact on the watercourse. In the spring, we will complete permanent seeding and mulch for seed to retain the soil and natural environment.

f. alternative which would cause less or no environmental impact to wetlands or watercourses and why the alternative as set forth in the application was chosen; all such alternatives shall be diagrammed on a site plan or drawing;

Our original footbridge plan submitted to the commission was anchored to the ground by four 30 inch deep concrete piers. We submitted a new plan that does not require any digging or removing of dirt. The new plan is less invasive, has the ability to move if there are high water levels, and still allows people to cross without disturbing the watercourse. The alternative is to only allow access through Granbrook Park Rd. which would eliminate the possibility of the school accessing the property without hiring buses causing an unnecessary financial burden.

g. a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses;

The proposed activity is to build a footbridge to make the least impact on the watercourse as possible while crossing onto the agricultural property. Footbridge plans are shown on the surveyor's map.

h. names and mailing addresses of adjacent land owners;

#### Town of East Granby

i. statement by the applicant that the applicant is familiar with all the information provided in the application and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information;



I am aware and familiar with all documents submitted and the penalties for obtaining a permit through deception. Amanda C. Thompson, EGLT President

j. authorization for the members and agents of the Commission to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit;

Any commission member who would like to walk the property is welcome to call me, Amanda C. Thompson, President of the East Granby Land Trust, and I will personally walk them through the property. They can call or text me at 651-428-2059.

k. a completed DEEP reporting form; the Commission shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with Section 22a-39-14 of the Regulations of Connecticut State Agencies;

Complete

l. any other information the Commission deems necessary to the understanding of what the applicant is proposing; and

See 7.1

m. submission of the appropriate filing fee based on the fee schedule established in Section 19 of these regulations.

Paid 11/2/2022

7.6 At the discretion of the Commission or its agent, or when the proposed activity involves a significant impact, additional information, based on the nature and anticipated effects of the activity, including but not limited to the following, is required:

a. site plans for the proposed activity and the land which will be affected thereby which show existing and proposed conditions, wetland and watercourse boundaries, land contours, boundaries of land ownership, proposed alterations and uses of wetlands and watercourses, and other pertinent features of the land and the proposed activity, prepared by a professional engineer, land surveyor, architect or landscape architect licensed by the state, or by such other qualified person;

Submitted: Surveyor Map by Dufour Surveying LLC.

b. engineering reports and analyses and additional drawings to fully describe the proposed activity including any filling, excavation, drainage or hydraulic modifications to watercourses and the proposed erosion and sedimentation control plan;

Submitted: Surveyor Map by Dufour Surveying LLC.

c. mapping of soil types consistent with the categories established by the National Cooperative Soil Survey of the U.S. Natural Resources Conservation Service; the wetlands shall be delineated in the field by a soil scientist and the soil scientist's field delineation shall be depicted on the site plans;

Submitted: Written assessment of soil by Kipen J. Kolesinskas, Consulting Conservation Scientist, see page 7.

d. a description of the ecological communities and functions of the wetlands or watercourses involved with the application and the effects of the proposed activity on these communities and wetland functions;

The goal in completing this bridge is to minimize the disturbance to the watercourse. It is the best way to get students to the property without disturbing ecological communities.

e. a description of how the applicant will change, diminish, or enhance the ecological communities and functions of the wetlands or watercourses involved in the application and each alternative which would cause less or no environmental impact to wetlands or watercourses, and a description of why each alternative considered was deemed neither feasible nor prudent;

This 26 foot footbridge will do little to change the ecological communities. Any of the invasive work would be for the trail on town property which was already approved by the commission. This footbridge should create a way to promote the appreciation of the wetlands and have much less impact than if people chose to cross without a bridge.

There is no other alternative way to get to the property except for walking children on Hartford Ave. which is a busy road and not an approved alternative by the school.

We found our first footbridge design disturbed the soil near the watercourse more than our second design and we have therefore moved on to this second footbridge design that least disturbs the watercourse.

Our goal is to build the footbridge in the winter while the ground is frozen, further ensuring we do not disturb the area.

f. analysis of chemical or physical characteristics of any fill material; and

n/a

g. management practices and other measures designed to mitigate the impact of the proposed activity.

We originally submitted a plan for a footbridge that would be anchored in the ground. We revised the footbridge to sit on top of the ground as a temporary structure. This is to minimize

the environmental impact. It will be able to move if the water level does rise but will be chained to large trees upstream and downstream to stop it from moving too far from its original location. We will be using sediment logs in advance of any storms and using erosion control blankets on either side of the footbridge while building and will reinstall as necessary. We will also be doing all our work when the ground is frozen to make the least impact on the watercourse. In the spring we will complete permanent seeding and mulch for seed to retain the soil and natural environment.

7.7 The applicant shall certify whether:

a. any portion of the property on which the regulated activity is proposed is located within 500 feet of the boundary of an adjoining municipality;

No

b. traffic attributable to the completed project on the site will use streets within the adjoining municipality to enter or exit the site;

No

c. sewer or water drainage from the project site will flow through and impact the sewage or drainage system within the adjoining municipality; or,

n/a

d. water run-off from the improved site will impact streets or other municipal or private property within the adjoining municipality.

n/a

7.8 Ten (10) copies of all application materials shall be submitted to comprise a complete application unless an applicant is otherwise directed, in writing, by the Commission.

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

This project will add a water crossing footbridge for a trail connecting the property to Seymour School. For orientation, the east end of the bridge will connect to the trail which runs south from the bridge to the school.

Work Plan: 11/25/2022

Site Preparation:

1. Identify material lay-down area;
2. Identify area for constructing bridge member assemblies;
3. Clear vegetation, as required for access;
4. Set reference stakes.

Construction:

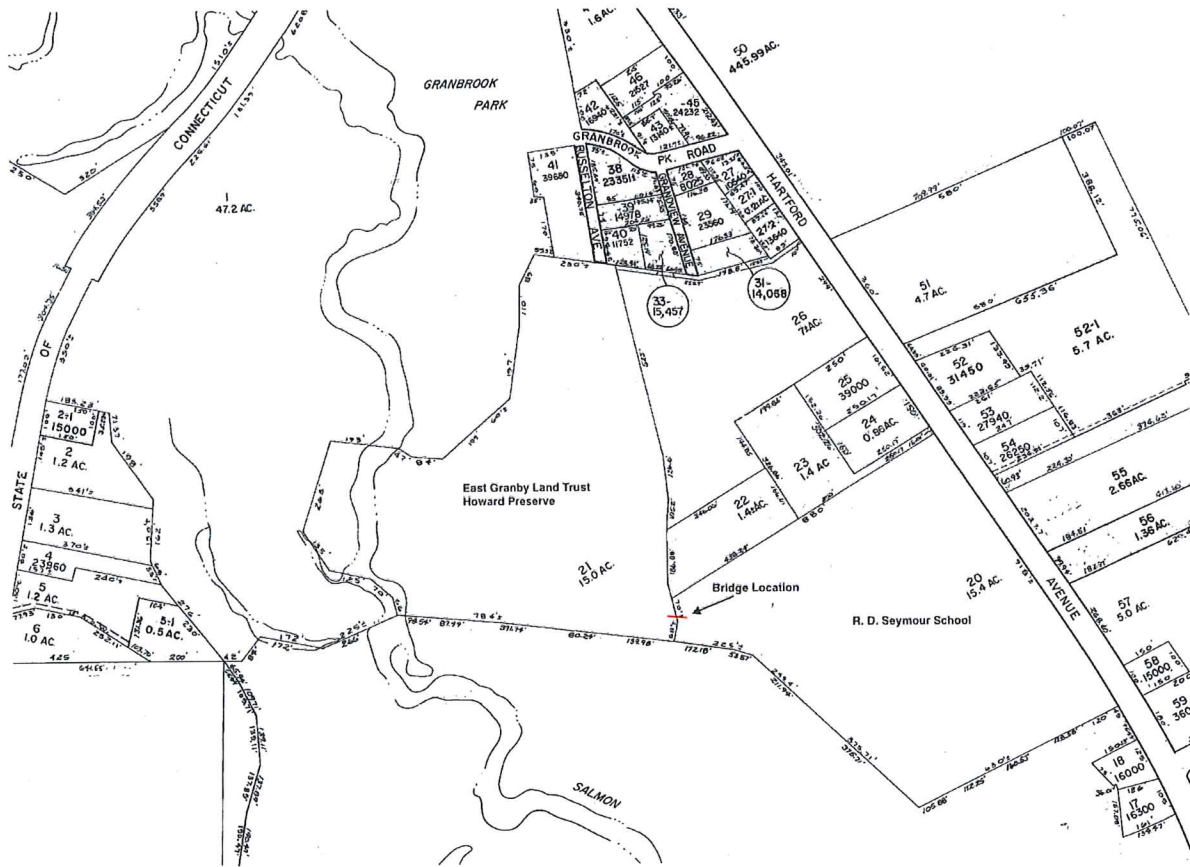
1. Erect construction warning signs;
2. Move construction material to site;
3. Drill deck blocks to accept hanger straps;
4. Lay gravel for deck blocks, as necessary;
5. Place deck blocks, lay gravel as needed to level blocks;
6. Assemble two initial skeleton truss spans with inboard upper & lower chord beams, diagonal truss members, knee brace hangers and rail posts;
7. Move truss spans across the water, use johnboat or ice skid, as needed;
8. Set truss spans in place, align & brace;
9. Install end plates & strap to deck blocks;
10. Install knee brace chord beams;
11. Place temporary work planks over knee brace chord beams;
12. Install knee braces;
13. Install deck beams;
14. Move temporary work planks as needed;
15. Install outboard upper & lower chord beams;
16. Attach deck board nailers to lower chord beams;
17. Install deck stringers;
18. Install deck boards;
19. Install guard rails;
20. Install hand rails;
21. Construct ramp to west end of bridge;
22. Remove surplus and scrap material from site;
23. Remove construction warning signs.

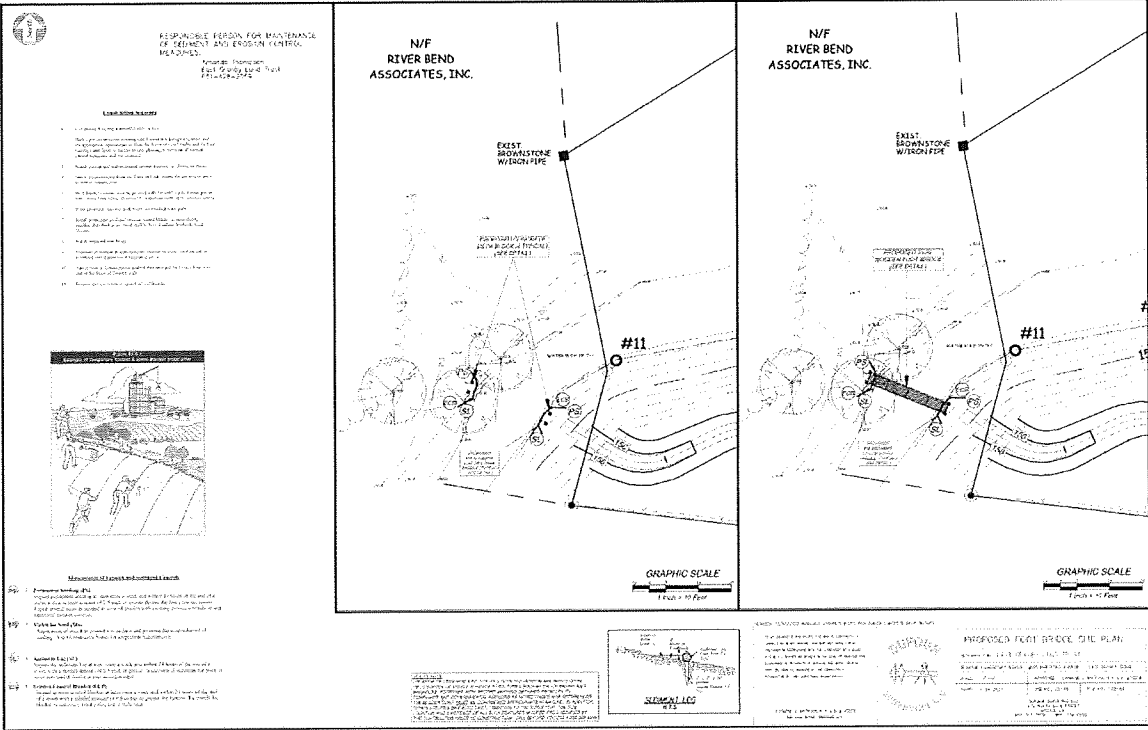
IMC











RESPONSIBLE PERSON FOR MAINTENANCE OF ELEVATION AND EROSION CONTROL MEASURES

N/F RIVER BEND ASSOCIATES, INC.

N/F RIVER BEND ASSOCIATES, INC.

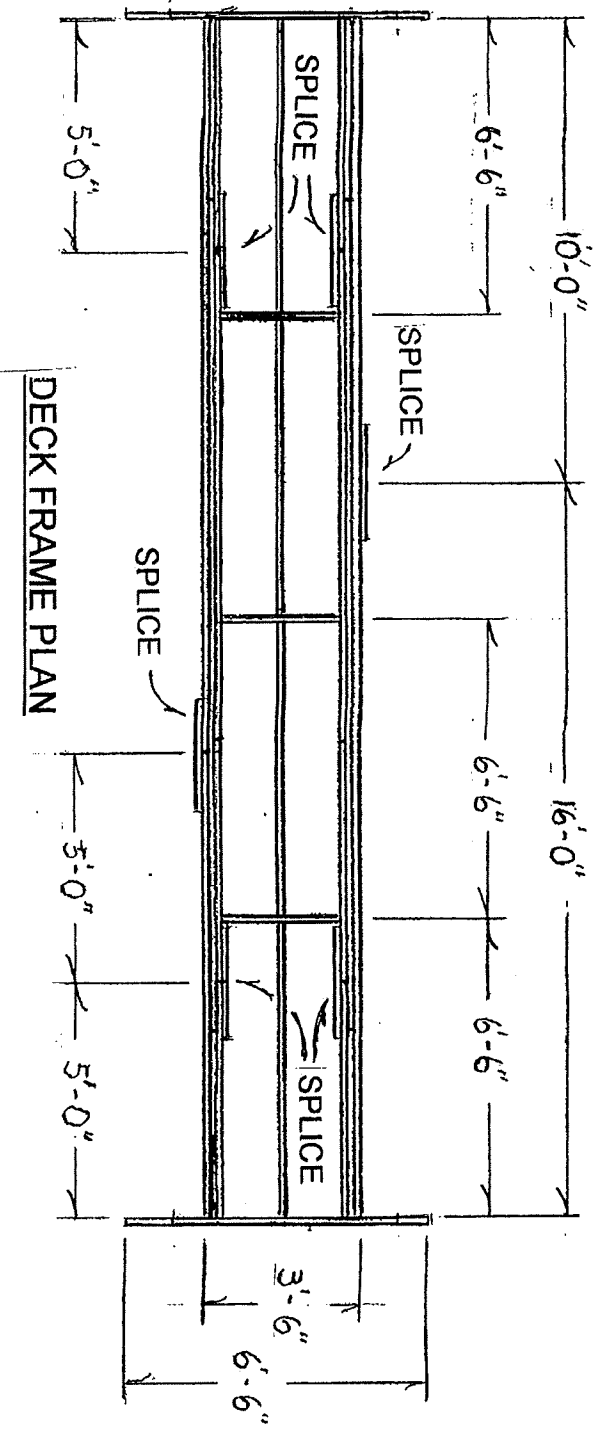


- Legend**
1. Existing structure
  2. Proposed structure
  3. Proposed structure (not to scale)
  4. Proposed structure (not to scale)
  5. Proposed structure (not to scale)
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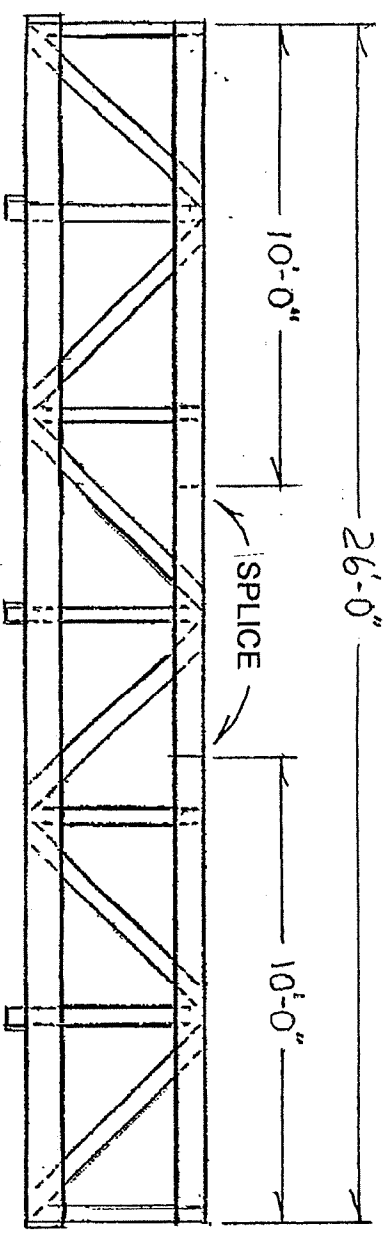


**PROPOSED FOOT BRIDGE ONE PLAN**

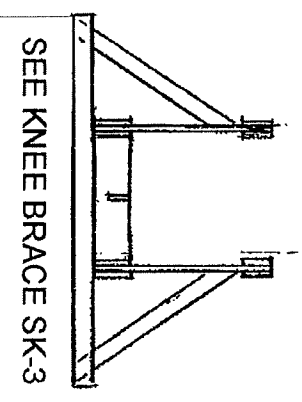
PROJECT NO. 1234567890  
 DATE: 12/31/2023  
 DRAWN BY: J. D. SMITH  
 CHECKED BY: A. B. JONES  
 SCALE: AS SHOWN



DECK FRAME PLAN



TRUSS ASS'Y ELEV  
MODIFIED WARREN PONY TRUSS



$\frac{1}{4}'' = 1'$

- 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.

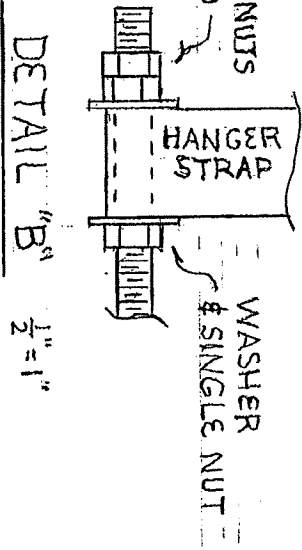
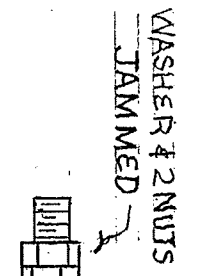
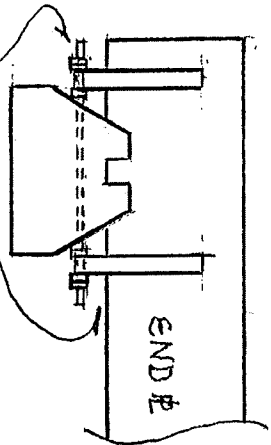
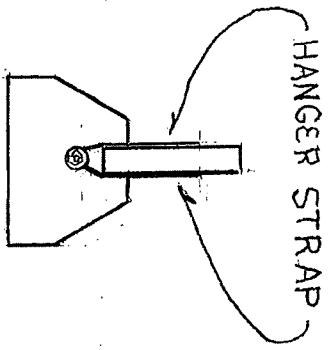
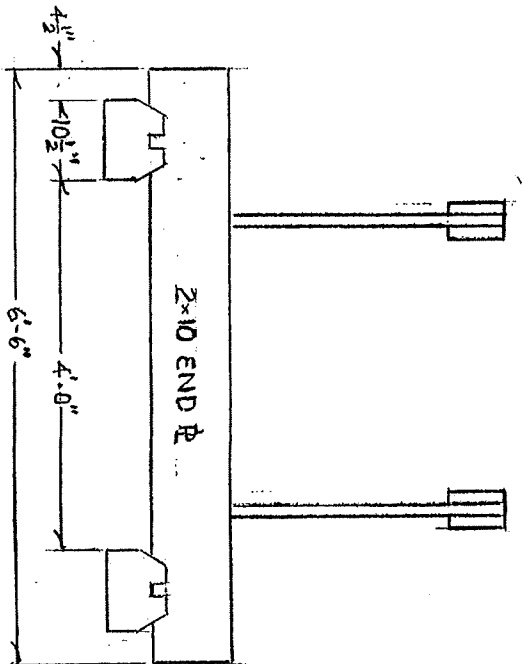
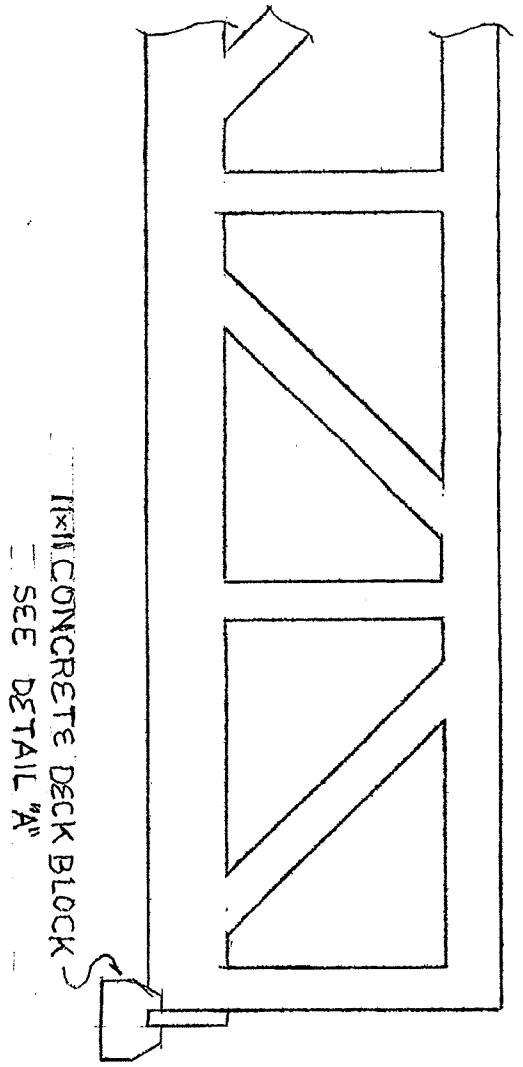
TOM & GINNIE HOWARD BRIDGE

SUGGESTED DESIGN SK-1.1 SUPERCEDES SK-1

SK-1.1

JMC 11/30/22





DETAIL "A" 1/4" = 1"

EGLT  
TOM & GINNIE HOWARD BRIDGE  
SUGGESTED FOOTING

SK-2

JUNE 11/30/22