PEDESTRIAN BRIDGE SPECIFICATIONS:
- BRIDGE TYPE: Glulam with steel connectors by Unalam or equal. Contact @ Unalam, Liz Conner CE Coordinator & Sales 607-369-9341 or lconner@unalam.com.
- WIDTH: 5'-0" Clear between main beams.
- LIVE LOAD: Walk.
- DEAD LOAD: Approximately 12,000lbs.
- FINISH: Permeating Sealer.
- DECKING: CCA 3 x 6 square edge.
- RAINFOREST: Horizontal safety rails with 4" maximum openings.
- RAILING HEIGHT: 48" above deck surface.
- WOOD SPECIES: Southern yellow pine, AITC architectural grade.
- WOOD ADHESIVE: Exterior resinous type to withstand long-term immersion and high resistance to delamination.
- BRIDGE DECK: Cast in place or precast concrete slab shall be ASTM C 33 6" flat top pavement.
- HARDWARE: All bolts shall be ASTM A 307, Grade A. Lag screws shall be in conformance with ANSI/ASME Standard B18.2.1
- ERECTION AND INSTALLATION OF BRIDGE: Bridge mfr. is responsible for delivery, unloading and installation of bridge.
- Typical 1/16" = 1'-0"

FOOTPRINT CALCULATIONS:
- West side approach; including earth ramp, stone retaining walls and concrete abutments = 910 s.f.
- Bridge; from abutment to abutment = 408 s.f.
- East side approach; including earth ramp, stone retaining walls and concrete abutments = 2,133 s.f.
- Combined total = 3,451 s.f.

GENERAL NOTE:
GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF WORK.
CONTACT ENGINEER FOR ANY DISCREPANCIES.

DIG SAFE NOTE:
ALL UTILITIES ARE NOT SHOWN.
CONTRACTOR SHALL CONTACT "SAFE DIG" AT 811 PRIOR TO START OF WORK.

246.-1-56
Area = 5.42± Acres

246.-1-50
Area = 4.34± Acres
By Owner; Blend new grade into existing grade with new grade slope of 3:1 max. slope. Blend into existing grade.

By Owner; New natural stone retaining wall, step to meet new grade slope. New grade elevation
2'-6" max., typ.

837.50' elev.

Indicates existing land profile
100 year floodplain = 833.00' elev.

Prefab wood pedestrian bridge with handrails Indicates existing land profile

By Owner; New natural stone retaining wall, step to meet new grade slope.

New grade elevation

Mean high water = 827.50' elev.

New concrete abutment:
Exposed face area = approx. 83 sq. ft.

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831.50' elev.

6'-0" ±

BY OWNER: TYPICAL RAISED WALKWAY SECTION

Scale: 1" = 1'-0"

Approximate existing grade elevation.

Compacted earth.

2" compacted 1/4"stone w/ dust topping, match stone of existing trail system. Obtained from Peckham-Hudson Falls plant.

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Geo-grid reinforcement

Cross slope 2% preferred, 5% max.

ELEVATION LOOKING NORTH - PEDESTRIAN BRIDGE

Scale: 1/16" = 1'-0"

INDICATE EXISTING LAND PROFILE

New concrete abutment: Exposed face area = approx. 83 sq. ft.

Profile wood pedestrian bridge with handrails

Profile wood pedestrian bridge with handrails

By Owner; new gravel walkway, match existing width and gravel of existing trail

Compacted clean fill.

Non-woven geotextile fabric MIRAFI 140N or equal.

BY OWNER: TYPICAL WALKWAY SECTION

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Approximate existing grade elevation.

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Walking surface elevation varies
6" compacted nysdot item #4 stone base

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Approximate new grade elevation.

Approximate existing grade elevation.

BY OWNER: TYPICAL WALKWAY SECTION
GENERAL NOTES:
- FORM WORK SHALL NOT BE REMOVED UNTIL CONCRETE HAS REACHED 80% OF ITS SPECIFIED STRENGTH (10 DAYS MINIMUM).
- CONCRETE CANNOT BE PLACED UNTIL FORM WORK HAS REACHED 50% OF ITS SPECIFIED COMPRESSION STRENGTH.
- AGGREGATE SIZE OF 3/4" MAXIMUM.
- SLUMP LIMIT: 4 INCHES, PLUS/MINUS 1 INCH.
- PRECAST CONCRETE PRODUCTS HAVE A MINIMUM COMPRESSION STRENGTH OF 4500psi IN 28 DAYS.

REINFORCEMENT NOTES:
- #6 @ 12" o.c. bars @ 12" o.c. bars @ 12" o.c. bars @ 12" o.c. bars @ 12" o.c. bars @ 12" o.c.
- MESH REINFORCEMENT SHALL BE ASTM A185 AND A82.
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- ALL SPLICES IN BAR REINFORCEMENT SHALL BE 30" MINIMUM WITH NO MORE THAN 5% OF REINFORCEMENT TO BE SPLICED AT SAME LOCATION, SPLICES SHALL BE STAGGERED.

FOOTING PLAN
- Indicates concrete wall above 6'-6".
- Concrete bridge abutment 7" x 7" x 32" thick placed on 6" thick concrete slab or pier. Coordinate location with lower mat of foundation steel reinforcement as shown.
- Dowels shall rest on top and be tied to lower mat of foundation steel reinforcement as shown.
- Coordinate bearing depth with approved bridge mfr. plus a 2" thick cover.

FOUNDATION WALL PLAN
- Wood beam by approved bridge mfr.
- Wood beam by approved bridge mfr.
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