FINAL DESIGN PLANS

FOR

SECTION 1 OF THE BLOOMFIELD GREENWAY MULTI-USE TRAIL
STATE PROJECT NO. 11-152

PREPARED FOR
TOWN OF BLOOMFIELD
800 BLOOMFIELD AVENUE
BLOOMFIELD, CT 06002

PREPARED BY:

BLU Companies

ARCHITECTURE    ENGINEERING    ENVIRONMENTAL    LAND SURVEYING

100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax

DATES

PREPARED DATE 7/02/2023
LANDSCAPE NOTES

1. USE TO THE EXTENT FOR ALL TYPICAL LOCATIONS.
2. PLANTING LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO LIMITS LOCATIONS AND SITE CONDITIONS. CONTRACTOR SHALL LAUNCH THE WORK FOR THE FINAL ADJUSTMENT AND APPROVAL OF CONTRACT ON OR BEFORE DATE TO BE ANNOUNCED.
3. PLANTING LOCATIONS MARKED ON THE DRAWING ARE APPROXIMATE EXCEPT CASE WHEN MARKED IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND UTILITIES. THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR ANY CONFLICT WITH CONTRACTOR'S EXCAVATION AND SMALL DEFLECTION OR REMOVAL AND DAMAGE OF UTILITIES AS MARKED BY CONTRACTOR.
4. A. NO PLANT MUST BE PLANTED ON THE GROUND BEFORE DRAWING HAS BEEN REVIEWED.
   B. TYPICAL PLANTING INSTALLATION SHOWN A VERTICAL SET OF 4 AT LEAST SEEDS AND OR PLANT IN A VERTICAL SET.
5. CONTRACTOR SHALL SUBMIT SAMPLES TO EACH PROPOSED SOURCE TO DETERMINE THE PROPER ORGANIC CONTENT AND HUMIC CONTENT. CONTRACTOR SHALL SUBMIT THE TEST RESULTS TO OWNER AND CONTRACTOR'S RESPONSIBILITY AND SEAL DEFLECTION OR SMALL DEFLECTION OR REMOVE ANY DAMAGE TO CONTRACTOR'S EXHAUSTIVE.
6. LANDSCAPE PLANTING SUBDIVISIONAL PLANTING CONFORMS TO SITE DETAILS. PLANTING MUST BE PLANTED TO A DEPTH OF 2 IN A CHAFFED CEMENT BASED ON PLANTING DETAILS OR SECTIONS.
7. LANDSCAPE PLANTING MUST BE PLANTED 4 IN CHAFFED CEMENT BASED ON PLANTING DETAILS OR SECTIONS.
8. TYPICAL PLANTING INSTALLATION SHOWN A VERTICAL SET OF 4 AT LEAST SEEDS AND OR PLANT IN A VERTICAL SET.
9. PLANT REQUIREMENTS:
   A. All plants shall conform to the criteria for landscape plant materials developed for this project. All plants shall be well-grown, healthy, and free from disease or insect damage. All plants shall be free of weeds, debris, and other obstructions that may affect their growth or appearance.
   B. Landscaping plants shall be selected based on their ability to thrive in the specific site conditions. All plants shall be suitable for the soil conditions and climate of the specific site.
   C. All plants shall be installed to the proper depth, and the planting hole shall be free of weeds, debris, and other obstructions that may affect their growth or appearance.
10. GUARANTY OBLIGATION:
   A. All plants shall be well-grown, healthy, and free from disease or insect damage. All plants shall be free of weeds, debris, and other obstructions that may affect their growth or appearance. All plants shall be well-grown and healthy, and free from disease or insect damage. All plants shall be free of weeds, debris, and other obstructions that may affect their growth or appearance. All plants shall be well-grown, healthy, and free from disease or insect damage. All plants shall be free of weeds, debris, and other obstructions that may affect their growth or appearance.

LANDSCAPE PLANT SCHEDULE
LEGEND

LANDSCAPE LEGEND

WALL SCHEDULE

BLOOMFIELD GREENWAY MULTI-USE TRAIL
LAND SURVEYING
ENVIRONMENTAL
ENGINEERING
ARCHITECTURE

SECTION 1
BLOOMFIELD GREENWAY MULTI-USE TRAIL
BLOOMFIELD, CT

BLOOMFIELD GREENWAY MULTI-USE TRAIL

SP-13

100 Constitution Plaza, 10th Floor
Hartford, CT 06103
(203) 630-1406
(860) 249-2400  Fax

PARKING LOT NEAR SAINT ANDREWS CHURCH
[40 PROPOSED SPACES]

DOWNSIDE MANAGEMENT
AT DUNCASTER ROAD

LAYOUT LEGEND

KEY PLAN

PARKING LOT AT DUNCASTER ROAD
PARKING LOT AT OLD HILL ROAD

PARKING LOT NEAR SAINT ANDREWS CHURCH

LAYOUT & GRADING

SP-13
SECTION 1
BLOOMFIELD GREENWAY MULTI-USE TRAIL

TRAIL PROFILE SHEET

PROFILE STA 112+50 TO STA 124+50

HORIZONTAL SCALE: 1"=100' 
VERTICAL SCALE: 1"=10'
SECTION 1
BLOOMFIELD GREENWAY MULTI-USE TRAIL

PROFILE STA 124+50 TO STA 136+50

PROF. SCALE 1"=10'
VERT. SCALE 1"=1'

BLOOMFIELD, CT
100 Constitution Plaza, 10th Floor
(203) 630-1406
Hartford, CT 06103
(860) 249-2400  Fax

LAND SURVEYING
ENVIRONMENTAL
ENGINEERING
ARCHITECTURE
SECTION 1
BLOOMFIELD GREENWAY MULTI-USE TRAIL
BLOOMFIELD CT
100 Constitution Plaza, 10th Floor
Bloomfield, CT 06103
(203) 630-1406  Fax  (860) 249-2400

LAND SURVEYING
ENVIRONMENTAL
ENGINEERING
ARCHITECTURE

PROFILE STA 184+50 TO STA 196+50
MERIDIONAL SCALE: 1"=100' 
VERTICAL SCALE: 1"=1'

TRAIL PROFILE SHEET

PRO-8
PROFILE STA 196+50 TO STA 205+00

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 1'
<table>
<thead>
<tr>
<th>Section 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOOMFIELD GREENWAY MULTI-USE TRAIL</td>
</tr>
</tbody>
</table>

**TXS-8**

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<table>
<thead>
<tr>
<th>Trail Cross-Section Sheet</th>
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</thead>
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BLOOMFIELD GREENWAY MULTI-USE TRAIL

SECTION 1

TXS-28 TRAIL CROSS-SECTION SHEET
SECTION 1
BLOOMFIELD-GREENWAY MULTI-USE TRAIL

BLOOMFIELD, CT
100 Constitution Plaza, 10th Floor
Bloomfield, CT 06103
(203) 630-1406  (860) 249-2400  Fax

LAND SURVEYING
ENVIRONMENTAL
ENGINEERING
ARCHITECTURE

TXS-33
TRAIL CROSS-SECTION SHEET
BLOOMFIELD GREENWAY MULTI-USE TRAIL

SECTION 1

TXS-56 TRAIL CROSS-SECTION SHEET
BLOOMFIELD GREENWAY MULTI-USE TRAIL

SECTION 1

TXS-58

TRAIL CROSS-SECTION SHEET
BLOOMFIELD, CT
100 Constitution Plaza, 10th Floor
Hartford, CT 06103
(203) 630-1406  (860) 249-2400  Fax

LAND SURVEYING  ENVIRONMENTAL  ENGINEERING

SECTION 1

BLOOMFIELD GREENWAY MULTI-USE TRAIL

TXS-65 TRAIL CROSS-SECTION SHEET
<table>
<thead>
<tr>
<th>Depth (in)</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>0-3</td>
<td>Silt Loam, very sandy, very tough, no organic matter, no roots.</td>
</tr>
<tr>
<td>3-6</td>
<td>Silt Loam, very sandy, very tough, no organic matter, no roots.</td>
</tr>
<tr>
<td>6-9</td>
<td>Silt Loam, very sandy, very tough, no organic matter, no roots.</td>
</tr>
<tr>
<td>9-12</td>
<td>Silt Loam, very sandy, very tough, no organic matter, no roots.</td>
</tr>
<tr>
<td>12-15</td>
<td>Silt Loam, very sandy, very tough, no organic matter, no roots.</td>
</tr>
<tr>
<td>15-18</td>
<td>Silt Loam, very sandy, very tough, no organic matter, no roots.</td>
</tr>
</tbody>
</table>

NDM: No Drilling, M: Moist, D: Dry, S: Saturated, W: Wet, P: Percolating

Notes: 
- Silt Loam: Loam consisting of clay, sand, and silt particles in approximately equal proportions.
- Very sandy: Contains mostly sand-sized particles.
- Very tough: Resists deformation under stress.
- No organic matter: Absence of plant material.
- No roots: Absence of root structures.

Spring terminated at 12' in light brown.
**PREFABRICATED PEDESTRIAN BRIDGE NOTES:**

1. **BEARINGS**
   - Scale: 2" = 1'-0".

2. **ELEVATION**
   - Scale: 1" = 1'-0".

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**SECTION 1**

**BLOOMFIELD-GREENWAY MULTI-USE TRAIL**

**TBRG-6**

**TRUSS BRIDGE**

**NOTES:**

- **PLAN**
  - Scale: 1" = 1'-0".

- **ELEVATION**
  - Scale: 1" = 1'-0".

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**BEARINGS**

**ELEVATION**

**SECTION N.T.S.**

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**PLAN**

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**ELEVATION**

---

**BEARINGS**

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**SECTION N.T.S.**
**GENERAL NOTES:**

1. Granite stone transition curbing will be installed as noted on the plans and in accordance with Form A/R Section 13.13 "Stone Curbing".
2. Granite stone transition curbing (including dowel) will be paid for at the contract unit prices for granite stone transition curbing.
3. For new 8.9.9.502 curbing a transition adjustment of existing curbing height to 2 7/8" (73 mm) below the transition face of the bridge deck will be required. It may be paid for, when noted on the plans, under the item "MOST CURBING".
4. New installations of this curbing shall only be allowed on the interior parapet.
5. Granite stone transition curbing shall be installed to match the slope of sloped granite stone curbing on the bridge. All sections of the transition curbing shall be 2 7/8" (73 mm) long.

**TYPICAL SECTION SHOWING INSTALLATION OF**
**GRANITE STONE TRANSITION CURBING AT VERTICAL FACE**

**TYPICAL SECTION SHOWING INSTALLATION OF**
**GRANITE STONE TRANSITION CURBING AT SLOPED GRANITE BRIDGE CURBING**

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
GENERAL NOTES:
1. ALL METAL POSTS AND BRACKETS MAY BE SUBSTITUTED UPON AGREEMENT OF THE CONTRACTORS.
2. ALL DIMENSIONS ARE NOMINAL.

WIRE FENCE

BARWAYS, FRONT ELEVATION

SECTION A

DETAIL A

STONE WALL FENCE SECTION

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FENCES AND BARWAYS

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

NUT TO SCALE

THE INFORMATION CONTAINED WITHIN THIS SHEET IS FOR DESIGNER USE ONLY. MODIFICATIONS MAY BE REQUIRED TO MEET SPECIFIC PROJECT REQUIREMENTS.

REVISION HISTORY

HW-905_01

30200000 01-16-07
30200000 04-06-09
30200000 01-31-11
LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

**PEDESTRIAN PUSH BUTTON**

**PEDESTRIAN PUSH BUTTON, PEDESTAL MOUNTED**

**PEDESTRIAN PUSH BUTTON, POLE MOUNTED**

**SIGN # 31-0835**

**SIGN # 31-0845**

**DETAIL A**

3'-6" (1050) FROM FINISHED GRADE SUCH AS SIDEWALK TO CENTER OF PUSH BUTTON.

PUSH BUTTON INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, CURRENT EDITION GOVERNS.

GENERAL NOTES:

3'-6" (1050) FROM FINISHED GRADE SUCH AS SIDEWALK TO CENTER OF PUSH BUTTON.

PUSH BUTTON INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, CURRENT EDITION GOVERNS.

4'-4" (1300) PEDESTAL TO INCLUDE ALLOY CAP SECURED WITH STAINLESS STEEL SET SCREW.

PEDESTRIAN PUSH BUTTON ALIGNMENT

ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR

EXAMPLE ALIGNMENTS

FOR EXCLUSIVE PEDESTRIAN PHASE

START CROSSING

DON'T START

DON'T CROSS

PEDESTRIAN SIGNAL AND DETECTOR

SIGN # 31-0845

USE APPROPRIATE ARROW UNLESS OTHERWISE NOTED ON PLAN.

SIGN # 31-0835

FOR CROSSING WITH SIDE STREET GREEN

SIGN # 31-0833

SIGN # 31-0845
DELINEATORS DE-1, DE-2, DE-3
INSTALLATION ON Delineator posts
INSTALLATION ON PERMANENT CONCRETE BARRIER, BRIDGE PARAPETS & RETAINING WALLS

DELINEATORS DE-4, DE-4A, DE-5
FOR INSTALLATION ON METAL BRIDGE RAIL

DELINEATORS DE-7, DE-7A, DE-7B, DE-7C
FOR INSTALLATION ON TEMPORARY PRECAST CONCRETE BARRIER CURB AND TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE)

DELINEATORS DE-9 TO BE PAID FOR UNDER SECTION 12.05 Delineators.

TYPICAL MAINLINE & INTERCHANGE DELINEATION

TYPICAL METAL DelineATOR POST

DELINEATORS TO BE PAID FOR UNDER SECTION 12.05 Delineators.
GUIDE RAIL PLACEMENT FOR SIGN SUPPORTS

NOTE: SIDE PLACEMENT OF EXHIBITED SIGN SUPPORT USE APPLICABLE PORTION OF SIGN FACE.

DIAGRAM "A"

A similar cutout is located on the other side of post.

DIAGRAM "B"

TYPICAL REGULATORY & WARNING SIGN PLACEMENT

TYPICAL CONFIRMATORY ROUTE MARKER PLACEMENT

TYPICAL SIGN PLACEMENT AND POST SELECTION

NOTE:

1. POST ASSEMBLIES SHALL BE PROCESSED WITH 3/8" x 3/8" x 3/8" GALVANIZED STEEL BAR CIRCUMFERENCE. NOTE TO TYPICAL 12" x 12" x 12" GALVANIZED STEEL BAR POSTS AND HOOK MOUNTING LATERAL FOR BUMPER POSTS.

2. POST ASSEMBLIES SHALL BE PROCESSED WITH 3/8" x 3/8" x 3/8" GALVANIZED STEEL BAR CIRCUMFERENCE. NOTE TO TYPICAL 12" x 12" x 12" GALVANIZED STEEL BAR POSTS AND HOOK MOUNTING LATERAL FOR BUMPER POSTS.

3. POST ASSEMBLIES SHALL BE PROCESSED WITH 3/8" x 3/8" x 3/8" GALVANIZED STEEL BAR CIRCUMFERENCE. NOTE TO TYPICAL 12" x 12" x 12" GALVANIZED STEEL BAR POSTS AND HOOK MOUNTING LATERAL FOR BUMPER POSTS.

4. Post supports to be horizontal in accordance with L.E.M. 80401.
CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:
1. SIGNS AND SIGN SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF REFLECTIVE SIGNS AND THE LATEST EDITION OF THE FHWA.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 24 INCHES AND A MAXIMUM OF 60 INCHES.
3. SIGNS SHALL BE PLACED IN SUCH A MANNER AS TO BE VISIBLE TO TRAFFIC.
4. THE ENGINEER RECOMMENDS THE INSTALLATION OF REFLECTORS OR REFLECTIVE PANTS TO THE SIGN.
5. SIGNS MAY BE ENGAGED OR DISENGAGED FOR THE PURPOSES OF THE INSTALLATION.

42" (1 m) TRAFFIC CONE

NOTES:
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF REFLECTIVE SIGNS AND THE LATEST EDITION OF THE FHWA.
2. IF REFLECTIVE CONES ARE USED, THEY SHALL HAVE ENTRANCE FOR THE PEDESTRIAN.
3. IF REFLECTIVE CONES ARE USED, THEY SHALL BE PLACED IN SUCH A MANNER AS TO BE VISIBLE TO TRAFFIC.
4. THE ENGINEER RECOMMENDS THE INSTALLATION OF REFLECTORS OR REFLECTIVE PANTS TO THE SIGN.

CONSTRUCTION BARRICADES

NOTES:
1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF REFLECTIVE SIGNS AND THE LATEST EDITION OF THE FHWA.
2. BARRICADES SHALL BE ENGAGED OR DISENGAGED FOR THE PURPOSES OF THE INSTALLATION.
3. THE ENGINEER RECOMMENDS THE INSTALLATION OF REFLECTORS OR REFLECTIVE PANTS TO THE SIGN.
4. THE BARRICADES MAY BE ENGAGED OR DISENGAGED FOR THE PURPOSES OF THE INSTALLATION.

PLACEMENT OF CONSTRUCTION SIGNS

NOTES:
1. SIGNS SHALL BE MOUNTED IN SUCH A MANNER AS TO BE VISIBLE TO TRAFFIC.
2. THE ENGINEER RECOMMENDS THE INSTALLATION OF REFLECTORS OR REFLECTIVE PANTS TO THE SIGN.
3. THE INSTALLATION OF REFLECTORS OR REFLECTIVE PANTS TO THE SIGN.
4. THE BARRICADES MAY BE ENGAGED OR DISENGAGED FOR THE PURPOSES OF THE INSTALLATION.