**CONSTRUCTION NOTES:**

**GENERAL:**

1. **WORK RESTRICTIONS:**
   - The contractor shall not store any appurtenant materials, tools or equipment on drainage structures or within 5 feet of the structures.
   - The contractor shall not store or use any appurtenant materials, tools or equipment without written approval from the owner or the engineer.

2. **SURVEY NOTES:**
   - The surveyor has performed the survey work in accordance with the requirements of the American Society of Photogrammetry and Remote Sensing (ASPRS) standards. The survey data is accurate to within 1 foot.
   - The elevations depicted on the survey (or map) have been prepared in accordance with the Vertical Datum of North America (VDNA) and the National Geodetic Vertical Datum (NGVD) of 1929.

3. **bbie)
   - Where no horizontal or vertical restrictions are shown, the work shall be performed in accordance with the requirements of the Connecticut Department of Environmental Protection (DEP) and the Connecticut State Agencies.
   - The contractor shall not use any horizontal or vertical restrictions without the written approval of the engineer.

4. **SPECIAL CONDITIONS:**
   - The contractor shall not use any special conditions without the written approval of the engineer.
   - The contractor shall perform all special conditions in accordance with the requirements of the Connecticut State Agencies.

5. **MATERIALS:**
   - All materials used in the construction shall meet the requirements of the Connecticut State Agencies.
   - The contractor shall not use any materials without the written approval of the engineer.

6. **PERMISSIONS:**
   - The contractor shall not perform any operations unless granted permission by the engineer.
   - The contractor shall notify the engineer of any proposed changes or additions to the construction work.

7. **REVIEW AND APPROVAL:**
   - The contractor shall review and approve all plans and specifications before proceeding with the construction work.
   - The contractor shall not proceed with any work until the plans and specifications have been reviewed and approved by the engineer.

8. **PROTECTION OF PROPERTY:**
   - The contractor shall protect all property from damage during the construction work.
   - The contractor shall not damage any property without the written approval of the owner.

9. **PRODUCTS:**
   - The contractor shall use only products that meet the requirements of the Connecticut State Agencies.
   - The contractor shall not use any products without the written approval of the engineer.

10. **SETBACKS:**
    - All setbacks shall be maintained in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not exceed any setback requirements without the written approval of the engineer.

11. **EQUIPMENT:**
    - The contractor shall use only equipment that meets the requirements of the Connecticut State Agencies.
    - The contractor shall not use any equipment without the written approval of the engineer.

12. **PERMITS:**
    - All required permits shall be obtained before the start of construction.
    - The contractor shall not begin construction work without the appropriate permits.

13. **PARKING:**
    - All parking restrictions shall be observed during the construction work.
    - The contractor shall not park any vehicles without the written approval of the engineer.

14. **SCHEDULE:**
    - The contractor shall complete the construction work within the specified time frame.
    - The contractor shall not exceed the time frame without the written approval of the engineer.

15. **COSTS:**
    - All costs associated with the construction work shall be paid by the contractor.
    - The contractor shall not charge any additional costs without the written approval of the owner.

16. **INSPECTIONS:**
    - The contractor shall perform all required inspections before the start of the construction work.
    - The contractor shall notify the engineer of any required inspections before the work is completed.

17. **QUALITY CONTROL:**
    - The contractor shall maintain high quality control standards during the construction work.
    - The contractor shall not perform any work until the quality control standards have been met.

18. **COMPLETION:**
    - The contractor shall notify the owner when the work is complete.
    - The contractor shall not notify the owner until the work is complete and meets the requirements of the Connecticut State Agencies.

19. **GUARANTEES:**
    - All guarantees shall be issued in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not issue any guarantees without the written approval of the owner.

20. **CLAIMS:**
    - All claims shall be submitted in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not submit any claims without the written approval of the owner.

21. **SURETY BONDS:**
    - All surety bonds shall be issued in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not issue any surety bonds without the written approval of the owner.

22. **LABOR AND MATERIALS:**
    - All labor and materials shall be provided in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not provide any labor or materials without the written approval of the owner.

23. **PAYMENTS:**
    - All payments shall be made in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not request any payments without the written approval of the owner.

24. **LAW:**
    - All legal requirements shall be observed during the construction work.
    - The contractor shall not violate any laws without the written approval of the owner.

25. **FEES:**
    - All fees associated with the construction work shall be paid by the contractor.
    - The contractor shall not charge any additional fees without the written approval of the owner.

26. **PERMISSIONS AND PERMITS:**
    - All required permissions and permits shall be obtained before the start of the construction work.
    - The contractor shall not begin construction work without the appropriate permissions and permits.

27. **CLAIMS AND DISPUTES:**
    - All claims and disputes shall be resolved in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not resolve any claims and disputes without the written approval of the owner.

28. **REMEDIES:**
    - All remedies shall be provided in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not provide any remedies without the written approval of the owner.

29. **ACCESS:**
    - All access restrictions shall be observed during the construction work.
    - The contractor shall not restrict any access without the written approval of the owner.

30. **RECORDS:**
    - All records associated with the construction work shall be maintained in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not maintain any records without the written approval of the owner.

31. **COOPERATION:**
    - All cooperation with other contractors and agencies shall be provided in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not cooperate with any other contractors or agencies without the written approval of the owner.

32. **REPORTS:**
    - All reports associated with the construction work shall be provided in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not provide any reports without the written approval of the owner.

33. **INSPECTIONS:**
    - All required inspections shall be performed before the start of the construction work.
    - The contractor shall not perform any work until the required inspections have been completed.

34. **QUALITY CONTROL:**
    - All quality control standards shall be maintained during the construction work.
    - The contractor shall not perform any work until the quality control standards have been met.

35. **COMPLETION:**
    - The contractor shall notify the owner when the work is complete.
    - The contractor shall not notify the owner until the work is complete and meets the requirements of the Connecticut State Agencies.

36. **GUARANTEES:**
    - All guarantees shall be issued in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not issue any guarantees without the written approval of the owner.

37. **CLAIMS:**
    - All claims shall be submitted in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not submit any claims without the written approval of the owner.

38. **SURETY BONDS:**
    - All surety bonds shall be issued in accordance with the requirements of the Connecticut State Agencies.
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    - All legal requirements shall be observed during the construction work.
    - The contractor shall not violate any laws without the written approval of the owner.

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    - All fees associated with the construction work shall be paid by the contractor.
    - The contractor shall not charge any additional fees without the written approval of the owner.

43. **PERMISSIONS AND PERMITS:**
    - All required permissions and permits shall be obtained before the start of the construction work.
    - The contractor shall not begin construction work without the appropriate permissions and permits.

44. **CLAIMS AND DISPUTES:**
    - All claims and disputes shall be resolved in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not resolve any claims and disputes without the written approval of the owner.

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    - All remedies shall be provided in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not provide any remedies without the written approval of the owner.

46. **ACCESS:**
    - All access restrictions shall be observed during the construction work.
    - The contractor shall not restrict any access without the written approval of the owner.

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    - All records associated with the construction work shall be maintained in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not maintain any records without the written approval of the owner.

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49. **REPORTS:**
    - All reports associated with the construction work shall be provided in accordance with the requirements of the Connecticut State Agencies.
    - The contractor shall not provide any reports without the written approval of the owner.

50. **INSPECTIONS:**
    - All required inspections shall be performed before the start of the construction work.
    - The contractor shall not perform any work until the required inspections have been completed.

**LEGEND:**

- **A:** ADRIVEWAY
- **B:** AREA RESESRSERVATION
- **C:** DRAINAGE DITCH
- **D:** DRAINAGE FENCE
- **E:** EREMENT METER
- **F:** FUEL TANK
- **G:** GAS STATION
- **H:** HOUSE
- **I:** INDUSTRIAL AREA
- **J:** JUNK YARD
- **K:** KERB
- **L:** GATE
- **M:** MALL
- **N:** NATURAL AREA
- **O:** OFFICE BUILDING
- **P:** PARKING LOT
- **Q:** QUARRY
- **R:** ROADWAY
- **S:** SCHOOL
- **T:** TELPHONE POLES
- **U:** UTILITY TUNNEL
- **V:** VACANT LAND
- **W:** WATER TREATMENT PLANT
- **X:** INDUSTRIAL AREA
- **Y:** PARKING LOT
- **Z:** SCHOOL
LEGEND

1.25" HMA S0.25 (TRAFFIC LEVEL 1)
1.5" HMA S0.375 (TRAFFIC LEVEL 1)
6" PROCESSED AGGREGATE BASE
8" GRAVEL SUBBASE
COMPACTED SUBGRADE
4" TOPSOIL AND TURF ESTABLISHMENT LAWN
EXISTING ROADWAY
EROSION CONTROL MATTING

NOTES:
1. ALL CUT OR FILL SLOPES TO BE 2:1 MAX, UNLESS OTHERWISE NOTED ON THE CROSS SECTIONS OR APPROVED BY THE ENGINEER
2. CONTRACTOR TO TRANSITION CROSS SLOPE OF MULTI-USE PATHWAY AS NEEDED BETWEEN THE SPECIFIED STATION RANGES

MULTI-USE PATHWAY
STA. 124+00 – STA. 124+95
STA. 324+00 – STA. 324+50
STA. 334+00 – STA. 424+50
STA. 424+50 – STA. 475+50

MULTI-USE PATHWAY
STA. 15+00 – STA. 16+00

TYPICAL DRAINAGE SWALE

MULTI-USE PATHWAY
STA. 104+00 – STA. 104+95
### Boring Log B-1

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<td>Concrete</td>
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NOTES:

1. SEE TRAFFIC CONTROL SIGNAL PLAN
   DETAILS FOR EQUIPMENT, ADVANCED
   SIGNAGE AND PAVEMENT MARKINGS.

REMOVE EXISTING CONCRETE
SIDEWALK RAMP AND REPLACE
WITH CONCRETE SIDEWALK AND
CONCRETE CURB

REMOVE PAVEMENT MARKINGS
IN CONFLICT WITH CROSS WALK
MARKINGS

REMOVE GRAVEL AND
CONSTRUCT BLUMINOS
CONCRETE APRON

CONCRETE SIDEWALK RAMP
TYPE (VIII), SAWCUT PAVEMENT AND
REMOVE CURBING.

RECTANGULAR RAD FLASHING
BEACON (RRFB) TYP. SEE NOTE 1

RESET SANITARY
SEWER MANHOLE
1 1/2' WATER

12'-0"

SEDIMENTATION
CONTROL SYSTEM (TYP.)

BEGIN PROJECT
STEELE BROOK
GREENWAY
MULTI-USE PATHWAY
STA 10+00
N 779029.5461
E 900916.9945

NO MOTOR VEHICLE SIGNAGE

SEDIMENTATION
CONTROL SYSTEM (TYP.)

CONCRETE DRIVEWAY APRON

BITUMINOUS CONCRETE
MULTI-USE PATH (TYP.)

CONSTRUCTION ENTRANCE

REMOVE EXISTING CONCRETE
PAVEMENT MARKINGS AND
SIDEWALK AND RESTORE BING
WHITE LINED EDGE.

REMOVE EXISTING CROSSWALK
PAVEMENT MARKINGS AND
SIDEWALL AND REPLACE
WITH CONCRETE SIDEWALK AND
CONCRETE CURB

MATCHLINE A-A
(SEE DRAWING HWY-02)

REMOVE EXISTING CONCRETE
SIDEWALK RAMP AND REPLACE
WITH CONCRETE SIDEWALK AND
CONCRETE CURB

REMOVE EXISTING CROSSWALK
PAVEMENT MARKINGS AND
SIDEWALK AND REPLACE
WITH CONCRETE SIDEWALK AND
CONCRETE CURB

REMOVE GRAVEL AND
CONSTRUCT BITUMINOUS
CONCRETE APRON

CONCRETE SIDEWALK RAMP
TYPE (VIII), SAWCUT PAVEMENT AND
REMOVE CURBING.

RECTANGULAR RAD FLASHING
BEACON (RRFB) TYP. SEE NOTE 1

SEDIMENTATION
CONTROL SYSTEM (TYP.)

BEGIN PROJECT
STEELE BROOK
GREENWAY
MULTI-USE PATHWAY
STA 10+00
N 779029.5461
E 900916.9945

NO MOTOR VEHICLE SIGNAGE

SEDIMENTATION
CONTROL SYSTEM (TYP.)

CONCRETE DRIVEWAY APRON

BITUMINOUS CONCRETE
MULTI-USE PATH (TYP.)

CONSTRUCTION ENTRANCE

REMOVE GRAVEL AND
CONSTRUCT BITUMINOUS
CONCRETE APRON

CONCRETE SIDEWALK RAMP
TYPE (VIII), SAWCUT PAVEMENT AND
REMOVE CURBING.

RECTANGULAR RAD FLASHING
BEACON (RRFB) TYP. SEE NOTE 1

SEDIMENTATION
CONTROL SYSTEM (TYP.)
GRASS DRAINAGE SWALE (TYP.)

SEEDERATION CONTROL SYSTEM (TYP.)

LUMINOUS CONCRETE MULTITUDE PATH SEE TYPICAL DETAILS

MATCHLINE A-A (SEE DRAWING HWY-01)

MATCHLINE B-B (SEE DRAWING HWY-03)
12' Wide Bituminous Concrete Multi-Use Path
See Typical Details
PROPOSED PLAN

HWY-05

STEELE BROOK GREENWAY

TOWN OF WATERTOWN, CT

AS NOTED

MATCHLINE E-E
(SEE DRAWING HWY-06)

MATCHLINE D-D
(SEE DRAWING HWY-04)

12' WIDE BITUMINOUS CONCRETE MULTI-USE PATH
SEE TYPICAL DETAILS

BEGINNING OF SPLIT RAIL FENCE (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

TURF ESTABLISHMENT (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

31+00

32+00

33+00

34+00

35+00

36+00

37+00

38+00
PROPOSED PLAN
HWY-06
PRELIMINARY DESIGN

MATCHLINE F-F
SEE DRAWING HWY HWY-07

MATCHLINE E-E
SEE DRAWING HWY-05

12' WIDE BITUMINOUS CONCRETE MULTI-USE PATH
SEE TYPICAL DETAILS

SEDIMENTATION CONTROL SYSTEM (TYP.)

SPLIT RAIL FENCE (TYP.)

TURF ESTABLISHMENT (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

TOWN OF WATERTOWN, CT

SEAL: W&S

Project:
www.westonandsampson.com

Consultants:

Seal:

Revisions:

No.         Date                          Description

Scale:

W&S File No.:

W&S Project No.:

Approved By:

Date:

Reviewed By:

Drawn By:

Weston & Sampson Engineers, Inc.
712 Brook Street, Suite 103
Rocky Hill, CT 06067
978.532.1900                              800.SAMPSON

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------------------------------------------------------
ENG23-0694

PROJECT NO. 153-125
STEELE BROOK
GREENWAY

AS NOTED
PROPOSED PLAN
HWY-07
PRELIMINARY DESIGN

Steele Brook Greenway
Town of Watertown, CT

- 12' wide bituminous concrete multi-use path
- See typical details

Steele Brook

Matchline F-F
(See Drawing HWY-06)

12' wide bituminous concrete multi-use path
See typical details

End project
Steele Brook Greenway
STA 47+56.22
N 77656.3011
E 903504.41437
MATCHLINE E-E (SEE DRAWING PRO-05)

MATCHLINE F-F (SEE DRAWING PRO-07)

EXISTING GRADE ALONG CENTERLINE

PROPOSED GRADE
CONSTRUCTION NOTES:

All materials and construction work shall conform to the following current DOT documents which can be accessed on the DOT website:

- Standard Installation and Guideline Detail Sheets
- Special Provisions
- Standard Specifications for Roads, Bridges, and Incidental Construction (Form 620)
- Special Provisions to Form 620
- Standard Installation and Eclusion Detail Sheets

All traffic equipment is new.

Stage all O.U.R. prior to installation.

APR. Revisions necessary to the location of this documentation shown on this plan must be submitted for review and approval by the time prior to installation.

The location of traffic signal foundations, when in any location of roadway shall be verified in advance by the Client's representative and approved by the engineers and the DOT.

Coordinate with Utility Company representatives listed in a special provision, LCP - Legal Clauses and Responsibilities.

INSTALL NEW SIGNS AND RRFBs ON NEW PEDESTALS AS SHOWN. REPLACE WARNING SIGNS.

INSTALL PEDESTAL FOUNDATION, 4'-4" PEDESTAL AND FLASHER CABINET. CABINET TO OPEN FIELD SIDE.

INSTALL RRFB ASSEMBLIES ON 12 PEDESTALS.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO THE LANDING AREA.

SEE SPECIAL PROVISIONS TP 4 11711. LA. RECTANGULAR RAMP FLASHING BEACON - TYPE B (ZOTI NO 32)

INSTALL TYPE B 2 SIDED/RAI. RAMP FOR SLIDE SHEETS. COST OF MANUFACTURING MEASURED TO INCLUDE THE COST OF CONCRETE GRADING RAMP.

INSTALL TYPE B 2 SIDED/RAI. RAMP FOR SLIDE SHEETS. COST OF MANUFACTURING MEASURED TO INCLUDE THE COST OF CONCRETE GRADING RAMP.

TEMP ASSURANCE THAT INVOLVES ANY PROJECTS OR SUBTRADE SEEM ASSOCIATED WITH THIS RRFB.

SNAP MESSAGE "YELLOW LIGHTS AND FLASHER" SHALL BE SHOWN TWICE UPON FUNCTIONS ACTIVATION.

STANDARD OVERLAP SKIP FEATURES APPLY
Critical Cross Sections

XSC-10

PRELIMINARY DESIGN

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Project:
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Consultants:

Revisions:

No.         Date                          Description

Sheet Number:

Scale:

W&S File No.:

W&S Project No.:

Approved By:

Date:

Reviewed By:

Drawn By:

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712 Brook Street, Suite 103
Rocky Hill, CT 06067
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OF THE INTELLECTUAL PROPERTY CONTAINED
HEREIN.
BEGIN BRIDGE STA. 11+98.28
END BRIDGE STA. 12+83.28

OF CONSTRUCTION

STEELE BROOK

83'-0" CLEAR SPAN
EL. 474.0

OF PEDESTRIAN TRAIL

OF BRG.

462
463
464
465
466
467
468
469
470

463
464
465
466
467
468
469
470

S 33° 46' 04" E

145.71'

OF BRG. TO

OF BRG.

TOP OF DECK 474.0

100 YEAR FLOOD EL. 467.24

TIMBER RAIL

FINISHED GRADE

RIPRAP

BRIDGE PLAN

SCALE: 1/8"=1'-0"

DOWNSTREAM ELEVATION

SCALE: 1/8"=1'-0"

SEPTEMBER 27, 2023
GENERAL NOTES

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 (2016), WITH
SUPPLEMENT SPECIFICATIONS (JANUARY 2019) AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: DESIGNED ACCORDING TO AMERICAN ASSOCIATION OF STATE HIGHWAY
AND TRANSPORTATION OFFICIALS LRFD BRIDGE DESIGN SPECIFICATIONS (2017), AS
SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN
MANUAL (2003) AND DESIGN AND CONSTRUCTION GUIDELINES FOR GEOSYNTHETIC REINFORCED
SOIL ABUTMENTS AND INTEGRATED BRIDGE SYSTEMS.

ALLOWABLE DESIGN STRESSES:

CLASS "F" CONCRETE.........................................BASED ON $f'c$ = 4,000 PSI
REINFORCEMENT (ASTM A615 GRADE 60).........$f_y = 60,000 PSI

LIVE LOAD: H-10
FUTURE PAVING ALLOWANCE: NONE

EARTH pressure: Varies from 6'-0" to 8'-0"

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE
EXACTLY AS SHOWN. ANY ERRORS, OMISSIONS, OR CONFLICTS ON THESE PLANS ARE NOT
GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE
PROPER FIT OF THE FINISHED WORK AND SHALL BE ENTIRELY RESPONSIBLE FOR THEIR ACCURACY.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES OF COVER UNLESS
DIMENSIONED OTHERWISE

REINFORCMENT: ALL REINFORCMENT SHALL BE ASTM A615 GRADE 60

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS,
WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER

Closed Cell Elastomer: The cost of furnishing and installing closed cell elastomers
shall be included in the cost of the item "class 'F' concrete," unless otherwise written on the plans.

Class 'F' Concrete: Class 'F' Concrete shall be used on substructure, bridge seat and
pilasters.

Exposed Edges: Exposed edges of concrete shall be beveled 1" x 1" unless
dimensioned otherwise.

Concrete Stairs: All reinforcement shall have two inches of cover unless
dimensioned otherwise.

Reinforcement: All reinforcement shall be ASTM A615 Grade 60.

Closed Cell Elastomer: The cost of furnishing and installing closed cell elastomers
shall be included in the cost of the item "class 'F' concrete," unless otherwise written on the plans.

All dimensions are in feet; all other units are in inches unless otherwise noted.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE
FOR GENERAL REFERENCE ONLY, THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN
DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD
MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL
BE ENTIRELY RESPONSIBLE FOR THEIR ACCURACY.

S-2