EXISTING GROUND LIMITS OF 100 YEAR FLOODPLAIN PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.

BEGIN GREENWAY AT END OF EXISTING GREENWAY PATH

PROPOSED 10' WIDE ASPHALT TRAIL WITH 2' GRAVEL SHOULDER BOTH SIDES

PROPOSED GRADE

PROPOSED 25'x25' OUTDOOR SHELTER

FFE = 588.00

SEE DETAILS SHEET 29

PROPOSED 10' LANDING

PROPOSED 120' OF 10' WIDE BOARDWALK, SEE DETAIL SHEET 28

SILT FENCE

PROPOSED CONSTRUCTION ENTRANCE ROAD, SEE SHEET 10

JURISDICTIONAL FLAGGING FENCE

END GREENWAY AT END OF EXISTING GREENWAY PATH

SILT FENCE

PROPOSED 90' WIDE ASPHALT ROAD WITH 2' SHOULDER BOTH SIDES

JURISDICTIONAL FLAGGING FENCE

SILT FENCE

(PROPOSED 90' WIDE ASPHALT ROAD WITH 2' SHOULDER BOTH SIDES

JURISDICTIONAL FLAGGING FENCE

SILT FENCE

PROPOSED CONSTRUCTION ENTRANCE ROAD, SEE SHEET 10

JURISDICTIONAL FLAGGING FENCE

SILT FENCE

PROPOSED 90' WIDE ASPHALT ROAD WITH 2' SHOULDER BOTH SIDES

JURISDICTIONAL FLAGGING FENCE

SILT FENCE
HECTOR H. HENRY GREENWAY
AT RIVERWALK

PLAN & PROFILE
PROJECT # : 2015-043

PREPARED BY
ENGINEERING DEPARTMENT
CITY OF CONCORD
P.O. BOX 308
CONCORD N.C. 28026
(704) 920-5425

EXISTING GROUND
DELINEATED WETLANDS

STREAM BUFFER
MATCH LINE STA:10+50
MATCH LINE STA:20+50

STREAM BUFFER

LIMITS OF 100 YEAR FLOODPLAIN PER FEMA
MAP # 3710459900K
DATED NOV. 16, 2018.

PROPOSED 10' WIDE ASPHALT TRAIL
WITH 2' GRAVEL SHOULDER BOTH SIDES

PROPOSED 165' OF 10' WIDE BOARDWALK, SEE DETAIL SHEET 28

PROPOSED 30' OF 10' WIDE WOODEN BRIDGE, SEE DETAIL SHEET 28

PROPOSED GRADE SILT FENCE

PROPOSED 1,335' OF 10' WIDE BOARDWALK, SEE DETAIL SHEET 28

PROPOSED WOODEN BRIDGE START STA:18+10 END STA:18+40 SEE DETAILS SHEET 28

JURISDICTIONAL FLAGGING FENCE
EXISTING GROUND LIMITS OF 100 YEAR FLOODPLAIN PER FEMA MAP #3710459900K DATED NOV. 16, 2018.

STREAM BUFFER MATCH LINE STA:20+50

MATCH LINE STA:30+50

PROPOSED 1,335' OF 10' WIDE BOARDWALK, SEE DETAIL SHEET 28

PROPOSED GRADE JURISDICTIONAL FLAGGING FENCE
EXISTING GROUND

STREAM BUFFER

MATCH LINE STA:41+50

MATCH LINE STA:30+50

100' STREAM CONSERVATION EASEMENT

PROPOSED 1,335' OF 10' WIDE BOARDWALK, SEE DETAIL SHEET 28

PROPOSED 10' WIDE ASPHALT TRAIL WITH 2' GRAVEL SHOULDER BOTH SIDES

LIMITS OF 100 YEAR FLOODPLAIN PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.

LIMITS OF FLOODWAY PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.

SILT FENCE

JURISDICTIONAL FLAGGING FENCE

PROPOSED GRADE

PROPOSED 125' OF 10' WIDE BOARDWALK, SEE DETAIL SHEET 28

10' STREAM CONSERVATION EASEMENT

MATCH LINE STA:41+50

MATCH LINE STA 30+50

Hector H. Henry
Greenway at Riverwalk
Plan & Profile
Project #: 2015-043

Prepared by:
Engineering Department
City of Concord
P.O. Box 308
Concord, N.C. 28026
(704) 920-5425

Surveyor's Seal

Engineer's Seal
PROPOSED 10' WIDE ASPHALT TRAIL WITH 2' GRAVEL SHOULDER BOTH SIDES

MATCH LINE STA: 52+00
MATCH LINE STA: 41+50

PROPOSED 50' BRIDGE, SEE DETAIL SHEET 26

PROPOSED GRADE EXISTING GROUND

N/F MARTMARIETTA MATERIALS, INC.
PIN: 4599-52-7034 DB 8287, PG 179

N/F CITY OF CONCORD ROCKY RIVER GOLF COURSE
PIN: 4599-52-7034 DB 2483, PG 84

STREAM BUFFER PROPOSED BRIDGE START STA: 41+95 END STA: 42+45 SEE DETAILS SHEET 26

PROPOSED 565' OF 10' WIDE BOARDWALK SEE DETAIL SHEET 28

SILT FENCE JURISDICTIONAL FLAGGING FENCE

LIMITS OF 100 YEAR FLOODPLAIN PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.

HECTOR H. HENRY GREENWAY AT RIVERWALK PLAN & PROFILE
PROJECT #: 2015-043

PROPOSED 10' WIDE ASPHALT TRAIL WITH 2' GRAVEL SHOULDER BOTH SIDES

MATCH LINE STA: 52+00
MATCH LINE STA: 41+50

PROPOSED 50' BRIDGE, SEE DETAIL SHEET 26

PROPOSED GRADE EXISTING GROUND

N/F MARTMARIETTA MATERIALS, INC.
PIN: 4599-52-7034 DB 8287, PG 179

N/F CITY OF CONCORD ROCKY RIVER GOLF COURSE
PIN: 4599-52-7034 DB 2483, PG 84

STREAM BUFFER PROPOSED BRIDGE START STA: 41+95 END STA: 42+45 SEE DETAILS SHEET 26

PROPOSED 565' OF 10' WIDE BOARDWALK SEE DETAIL SHEET 28

SILT FENCE JURISDICTIONAL FLAGGING FENCE

LIMITS OF 100 YEAR FLOODPLAIN PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.
MATCH LINE STA: 52+00
N/F
CITY OF CONCORD
PIN: 4599-63-3035
DB 6463, PG 267

MATCH LINE STA: 62+00
N/F
CITY OF CONCORD
PIN: 4599-63-3035
DB 6463, PG 267

STREAM BUFFER LIMITS OF 100 YEAR FLOODPLAIN AS SURVEYED PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.

PROPOSED GRADE EXISTING GROUND

LOMR-F 10-04-3126A
N/F
TWLS, INC., A NORTH CAROLINA CORPORATION
PIN: 4599-73-0642
DB 2530, PG 112

PROGRESS RESIDENTIAL BORROWER 1, LLC, A DELAWARE LIMITED LIABILITY COMPANY
PIN: 4599-63-7278
DB 12599, PG 164

AMH 2015-1 BORROWER, LLC
PIN: 4599-63-8324
DB 11322, PG 288

ROBERT JOHNSON AND SANDY BENBOW
PIN: 4599-63-8475
DB 9362, PG 279

PROPOSED 80' OF 10' BOARDWALK TO OBSERVATION DECK. SEE DETAILS SHEET 28

PROPOSED 820' OF 10' WIDE BOARDWALK SEE DETAILS SHEET 28

SILT FENCE PROPOSED SWELL FOR DRAINAGE, ADD RIP RAP ALONG STEEP SECTION SEE SHEET 27 FOR DETAILS

PROPOSED TEMP. SEDIMENT BASIN #1 EMERGENCY SPILLWAY SEE DETAILS SHEET 28

BOTTOM ELEV: 572.50
L = 19'
W = 19'
DEPTH = 3.5'
WEIR LENGTH = 4'
POROUS BAFFLES - 3 EACH

JURISDICTIONAL FLAGGING FENCE

PROPOSED 8' WIDE CONCRETE TRAIL WITH 3' GRAVEL SHOULDER BOTH SIDES, STARTING AT STA: 60+50.00

CHANGE IN ELEV.
PROPOSED 18 RCP @ 15.42%

STA: 66+81.90 INV IN ELEV: 610.00'

STA: 67+19.40 INV OUT ELEV: 617.80'

PROPOSED 8' WIDE CONCRETE TRAIL WITH 3' GRAVEL SHOULDER BOTH SIDES

LIMITS OF 100 YEAR FLOODPLAIN AS SURVEYED, PER FEMA MAP # 3710459900K DATED NOV. 16, 2018.

MATCH LINE STA: 62+00

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 64+10 END STA: 65+00

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 62+95 END STA: 63+50

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 64+10 END STA: 64+20

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 64+10 END STA: 64+20

PROPOSED TEMP. SEDIMENT BASIN #2 EMERGENCY SPILLWAY SEE DETAILS SHEET 28

BOTTOM ELEV: 572.5
L = 25'
W = 15'
DEPTH = 3.5'
WEIR LENGTH = 4'
POROUS BAFFLES - 3 EACH

PROPOSED TEMP. SEDIMENT EMERGENCY SPILLWAY SEE DETAILS SHEET 28

BOTTOM ELEV: 574
L = 19'
W = 19'
DEPTH = 3.5'
WEIR LENGTH = 4'
POROUS BAFFLES - 3 EACH

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 64+10 END STA: 64+20

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 62+95 END STA: 63+50

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 64+10 END STA: 64+20

5' TRANSITION FROM 8' WIDE PAVEMENT TO 14' PAVEMENT START STA: 64+10 END STA: 64+20
### Bill of Materials for One End Bent

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<tr>
<th>Bar</th>
<th>Number</th>
<th>Size</th>
<th>Type</th>
<th>Length (Feet)</th>
<th>Weight (Pounds)</th>
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<td>#8</td>
<td>1</td>
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<tr>
<td>B2</td>
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<td>Straight</td>
<td>13' - 6&quot;</td>
<td>73</td>
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<td>2'- 6&quot;</td>
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<td>S1</td>
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<td>#4</td>
<td>5</td>
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<tr>
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<td>18</td>
<td>#4</td>
<td>6</td>
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</tr>
</tbody>
</table>

**Total Reinforcing Steel for One End Bent**: 763 pounds

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**Temporary Ford Crossing Plan**

**Section A-A**

**End Bent Detail**

**Source**: Stewart
GREENWAY ENTRY COLUMN SECTION

SCALE: NTS

FINISHED GRADE

(4) #5 REBARS CONTINUOUS
3" MIN COVER

#5 REBAR @24" O.C.

8"x8" CMU - FILL CELLS WITH GROUT

MODULAR BRICK VENEER

CONCRETE FOOTING (SEE CONCRETE NOTES)

GREENWAY ENTRY COLUMN FRONT ELEVATION

SCALE: NTS

HECTOR H. HENRY GREENWAY AT RIVERWALK TRAIL AND BOARDWALK DETAILS

PROJECT # : 2015-043

CONTRACTOR TO SEED AND INSTALL LANDLOK CS2 EROSION CONTROL BLANKET OR EQUIVALENT ALONG BANKS OF CHANNEL.
TYPICAL WOODEN BOARDWALK DETAIL DECKING

TYPICAL WOODEN BOARDWALK SECTION

TYPICAL WOODEN BRIDGE ELEVATION AT STREAM CROSSINGS

TYPICAL WOODEN BRIDGE WALKWAY STREAM CROSSING SECTION
HECTOR H. HENRY GREENWAY
AT RIVERWALK
BLOCK WALL STANDARD
PROJECT # : 2015-043

28'-0" (MIN.) OUT/OUT OF SLAB
MAY VARY BASED ON PIER DIAMETER
24'-0" CTR./CTR. OF COL. PIERS
28'-0" (MIN) OUT/OUT OF SLAB
MAY VARY BASED ON PIER DIAMETER
24'-0" CTR./CTR. OF COL. PIERS
28'-0" OUT/OUT OF FASCIA
28'-0" OUT/OUT OF FASCIA

END ELEVATION
SIDE ELEVATION

COLUMN PIER DETAIL
ROOF FRAMING PLAN
FOUNDATION PLAN
CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN EROSION AND SEDIMENTATION PERMIT FROM THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES FOR ANY NEW OFF-SITE BORROW AREA. ANY OFF-SITE BORROW AND WASTE REQUIRED FOR THIS PROJECT MUST COMPLY WITH APPROPRIATE EROSION CONTROL PLANNING AND DESIGN STANDARDS AS SPECIFIED IN THE MINE ACT OF 1971, OR A LANDFILL REGULATED BY THE DIVISION OF SOLID WASTE MANAGEMENT. DEBRIS FROM DEMOLITION ACTIVITIES SHOULD BE DISPOSED OF AT AN APPROVED FACILITY.