

NOTES

GENERAL NOTES

- THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE JANUARY 2012 NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- WHERE ASPHALT SECTION IS REMOVED, CONTRACTOR SHALL USE A SAW CUT AT THE LIMITS OF DEMOLITION TO OBTAIN A CLEAN EDGE.
- 3 NO GRADING IS TO OCCUR IN THE TREE PROTECTION AREAS OR TREE CRITICAL ROOT ZONES.
- THE CONTRACTOR MUST, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS OR RUBBISH CAUSED BY HIM, HIS EMPLOYEES, OR HIS WORK. ALL DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS.
- 5 EXISTING UTILITIES AND STRUCTURES SHOWN BOTH UNDERGROUND AND ABOVE ARE BASED ON THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 6 CONTRACTOR SHALL LOCATE ALL UTILITIES AND UTILITY ELEVATIONS PRIOR TO CONSTRUCTION. ALL UTILITIES TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS EXPENSE.
- 7 CONTRACTOR SHALL RESTORE ALL LAY DOWN AND STAGING AREAS TO ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE OWNER, PRIOR TO DEMOBILIZATION AT THE CONCLUSION OF THE PROJECT.
- 8 ANY EXCAVATION MUST BE FILLED IN AND TAMPED AT THE CONCLUSION OF EACH WORK PERIOD, AND EQUIPMENT AND SUPPLIES RETURNED TO THE CONSTRUCTION STAGING AREA.
- 9 ORANGE CONSTRUCTION/SAFETY FENCING REMOVED TO FACILITATE ACCESS BY THE CONTRACTOR FOR CONSTRUCTION MUST BE REPLACED AT THE END OF EACH WORK PERIOD TO DIRECT PEDESTRIAN AND VEHICULAR TRAFFIC AWAY FROM HAZARDOUS AREAS.
- 10 CONTRACTOR SHALL STAKE CENTERLINE OF TRAIL ACCORDING TO PLANS AND OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION.
- 11 CONTRACTOR SHALL VERIFY ALL STATIONING FOR APPLICABILITY TO EXISTING CONDITIONS PRIOR TO CONSTRUCTION. DEVIATION FROM ALIGNMENT DUE TO LARGE TREES OR OTHER OBSTACLES ETC SHALL BE APPROVED BY THE TOWN OF CHAPEL HILL AND THE ENGINEER OF RECORD.
- 12 CONTRACTOR SHALL REVIEW TREE REMOVAL WITH OWNER'S REPRESENTATIVE AND OBTAIN APPROVAL PRIOR TO TREE REMOVAL. TRIM UP BRANCHES OF TREES TO PROVIDE 10' VERTICAL CLEARANCE ABOVE PAVEMENT SURFACE.
- THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH PROJECT AS SET FORTH IN THESE PLANS. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED TO THE OWNER IN WRITING FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE WRITTEN PERMISSION OF THE OWNER.
- 14 TREES AND PLANTS WILL NOT BE DAMAGED OR REMOVED IN ORDER TO SERVICE AND MAINTAIN THE UTILITY, SIDEWALK, GREENWAY OR OTHER SIMILAR FEATURE
- 15 SUPERELEVATION TRANSITION IS SHOWN ON THE PLAN VIEW.

2012 NCDOT ROADWAY ENGLISH STD. DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N.C. DEPARTMENT OR TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 17, 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

ADDITIONAL NCDOT STANDARDS NOT ON THE LIST ABOVE MAY BE REQUIRED AS PER PLAN DETAILS AND

DIVISION 2 - EARTHWORK Method of Clearing **DIVISION 3 - PIPE CULVERTS** Method of Pipe Installation **DIVISION 8 - INCIDENTALS** 840.01 **Brick Catch Basin** 840.02 Concrete Catch Basin 840.03 Frame, Grates, and Hood 840.14 Concrete Drop Inlet 840.15 **Brick Drop Inlet** 840.16 Drop Inlet Frame & Grates 848.01 Concrete Sidewalk 876.02 Guide for Rip Rap at Pipe Outlets **DIVISION 9 - SIGNING** Mounting of Type D, E, and F Signs on U Channel Posts 904.50 DIVISION 12 - PAVEMENT MARKINGS, MARKERS, AND DELINEATION

1205.01 Pavement Markings
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT

See Sheet EC-1

SPECIFICATIONS.

CAMPEL HILL

MORGAN CREEK GREENWAY PHASE 2

GREENWAY ENGINEER

PRELIMINARY PLANS

FIrm License No. C-421 Fayettevill Sulte Ralelgh, NC 2 T 919.380. www.stewartInc

STEWART

DATE: DECEMBER 14, 2016 REVISIONS:

NO. DATE

PROJECT NO.:

A16007.00

SCALE: 1"=30'

1 Δ

BOUNDARIES AND PROPERTY:

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

State Line —			
County Line		DAIL DO ADC	
Township Line		RAILROADS:	
City Line		Standard Gauge	CSX TRANSPORTATION
Reservation Line		RR Signal Milepost	MILEPOST 35
Property Line		Switch —	SWITCH
Existing Iron Pin		RR Abandoned	
Property Corner		RR Dismantled	
Property Monument		RIGHT OF WAY:	
Parcel/Sequence Number		Baseline Control Point	•
Existing Fence Line	•	Existing Right of Way Marker ————	\triangle
Proposed Woven Wire Fence		Existing Right of Way Line	
		Proposed Right of Way Line	$\frac{R}{W}$
Troposed Chain Link Fence		Proposed Right of Way Line with	R
Proposed Barbed Wire Fence		Iron Pin and Cap Marker	w –
Existing Wetland Boundary		Proposed Right of Way Line with Concrete or Granite R/W Marker	$ \stackrel{\bigcirc{R}}{}$
Proposed Wetland Boundary		Proposed Control of Access Line with	
Existing Endangered Animal Boundary		Concrete C/A Marker	
Existing Endangered Plant Boundary		Existing Control of Access	
Existing Historic Property Boundary		Proposed Control of Access	
Known Contamination Area: Soil		Existing Easement Line ————————————————————————————————————	——E——
Potential Contamination Area: Soil		Proposed Temporary Construction Easement –	——Е——
Known Contamination Area: Water		Proposed Temporary Drainage Easement —	TDE
Potential Contamination Area: Water		Proposed Permanent Drainage Easement ——	PDE
Contaminated Site: Known or Potential —		Proposed Permanent Drainage / Utility Easemer	
BUILDINGS AND OTHER CUL	TURE:	Proposed Permanent Utility Easement ———	
Gas Pump Vent or U/G Tank Cap	<u> </u>	Proposed Temporary Utility Easement ———	
Sign —	<u>©</u> s	Proposed Aerial Utility Easement ————	
Well —	O		AGE
Small Mine	<u></u>	Proposed Permanent Easement with Iron Pin and Cap Marker	♦
Foundation —		ROADS AND RELATED FEATURE	ES•
Area Outline		Existing Edge of Pavement	
Cemetery		Existing Curb	
Building —		Proposed Slope Stakes Cut	
School		Proposed Slope Stakes Fill ————	
Church			
Dam —		Proposed Curb Ramp	
HYDROLOGY:		Existing Metal Guardrail	
Stream or Body of Water —		Proposed Guardrail —————	
Hydro, Pool or Reservoir		existing Cable Guiderali	
Jurisdictional Stream		Troposed Cable Colderall	
Buffer Zone 1		Equality Symbol	•
Buffer Zone 2		Pavement Removal	
Flow Arrow		VEGETATION:	
Disappearing Stream —		Single Tree	
Spring —		Single Shrub	
Wetland		Hedge ————	
Proposed Lateral, Tail, Head Ditch ————		Woods Line	
False Sump	< ── FLOW		

		Water Meter	-
Orchard —	-	Water Valve	- ⊗
Vineyard ————————————————————————————————————		Water Hydrant	- 💠
•	<u>,</u>	U/G Water Line LOS B (S.U.E*)	w
EXISTING STRUCTURES:		U/G Water Line LOS C (S.U.E*)	
MAJOR:		U/G Water Line LOS D (S.U.E*)	w
Bridge, Tunnel or Box Culvert	CONC	Above Ground Water Line	
Bridge Wing Wall, Head Wall and End Wall	- J CONC WW		
MINOR: Head and End Wall ——————————————————————————————————	CONC HW	TV: TV Pedestal	- C
Pipe Culvert		TV Tower	-
Footbridge —		U/G TV Cable Hand Hole	_
Toolbridge		U/G TV Cable LOS B (S.U.E.*)	
Drainage Box: Catch Basin, DI or JB	СВ	U/G TV Cable LOS C (S.U.E.*)	
Paved Ditch Gutter		U/G TV Cable LOS D (S.U.E.*)	
Storm Sewer Manhole	(\$)	U/G Fiber Optic Cable LOS B (S.U.E.*)	
Storm Sewer —	s	U/G Fiber Optic Cable LOS C (S.U.E.*)	
UTILITIES:		U/G Fiber Optic Cable LOS D (S.U.E.*)	
OWER:			
Existing Power Pole ————————————————————————————————————	•	GAS:	
Proposed Power Pole —		Gas Valve	
Existing Joint Use Pole	1	Gas Meter	
Proposed Joint Use Pole ————	ī	U/G Gas Line LOS B (S.U.E.*)	
Power Manhole —		U/G Gas Line LOS C (S.U.E.*)	
Power Line Tower —		U/G Gas Line LOS D (S.U.E.*)	
Power Transformer —		Above Ground Gas Line	A/G Gas
U/G Power Cable Hand Hole		SANITARY SEWER:	
H-Frame Pole		Sanitary Sewer Manhole	-
U/G Power Line LOS B (S.U.E.*)		Sanitary Sewer Cleanout	
U/G Power Line LOS C (S.U.E.*)		U/G Sanitary Sewer Line ——————	ss
U/G Power Line LOS D (S.U.E.*)		Above Ground Sanitary Sewer ————	A/G Sanitary Se
		SS Forced Main Line LOS B (S.U.E.*)	
ELEPHONE:		SS Forced Main Line LOS C (S.U.E.*)	
Existing Telephone Pole ————		SS Forced Main Line LOS D (S.U.E.*)	
Proposed Telephone Pole ————	-0-		
Telephone Manhole —————	\bigcirc	MISCELLANEOUS:	
Telephone Pedestal —————		Utility Pole ————————————————————————————————————	-
Telephone Cell Tower	,	Utility Pole with Base ————————————————————————————————————	
U/G Telephone Cable Hand Hole ———	H _H	Utility Located Object ————————————————————————————————————	- ⊙
U/G Telephone Cable LOS B (S.U.E.*)	t	Utility Traffic Signal Box ———————————————————————————————————	- <u>S</u>
U/G Telephone Cable LOS C (S.U.E.*)		Utility Unknown U/G Line LOS B (S.U.E.*)	
U/G Telephone Cable LOS D (S.U.E.*)	тт	U/G Tank; Water, Gas, Oil ———————————————————————————————————	-
U/G Telephone Conduit LOS B (S.U.E.*)		Underground Storage Tank, Approx. Loc. —	UST
U/G Telephone Conduit LOS C (S.U.E.*)		A/G Tank; Water, Gas, Oil	-
U/G Telephone Conduit LOS D (S.U.E.*)		Geoenvironmental Boring	
U/G Fiber Optics Cable LOS B (S.U.E.*) —		U/G Test Hole LOS A (S.U.E.*)	
U/G Fiber Optics Cable LOS C (S.U.E.*)—		Abandoned According to Utility Records —	AATUR
U/G Fiber Optics Cable LOS D (S.U.E.*)—		End of Information —	- E.O.I.



WATER:

Water Manhole

2 **PHASE** REENWAY

GREENWAY ENGINEER

PRELIMINARY PLANS

STEWART

HYDRAULICS ENGINEER

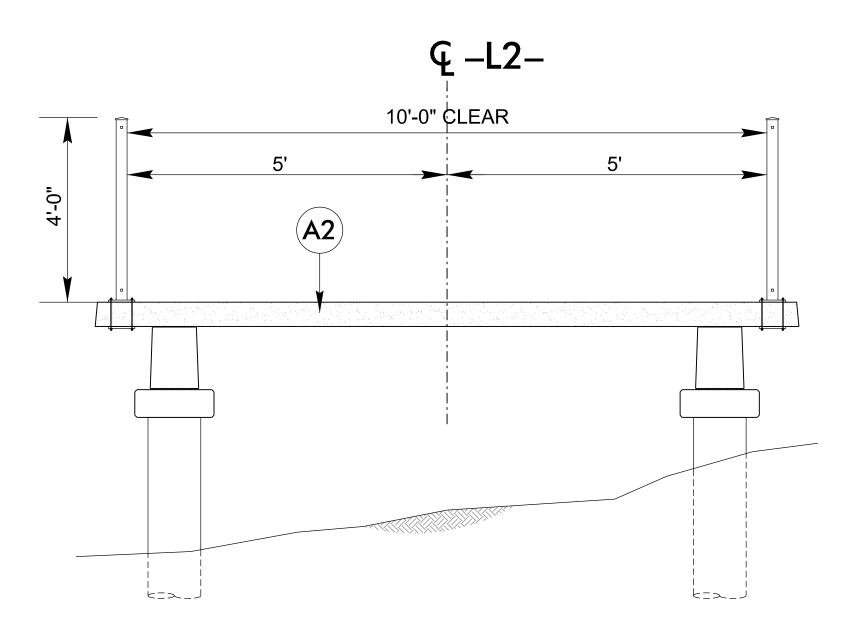
PRELIMINARY PLAN
DO NOT USE FOR CONSTRUCTION

DATE: DECEMBER 14, 201 DATE

PROJECT NO.:

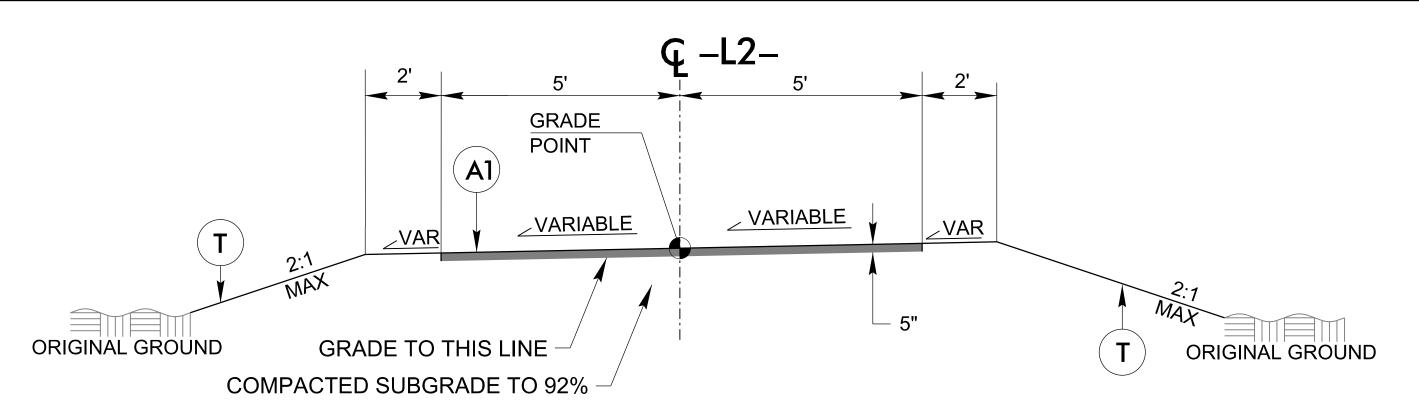
A16007.00 SCALE: 1"=30'

PAVEMENT SCHEDULE			
A1	A1 5" PORTLAND CEMENT CONCRETE PAVEMENT		
A2	5 ½" PORTLAND CEMENT CONCRETE DECKING		
Т	EARTH MATERIAL.		



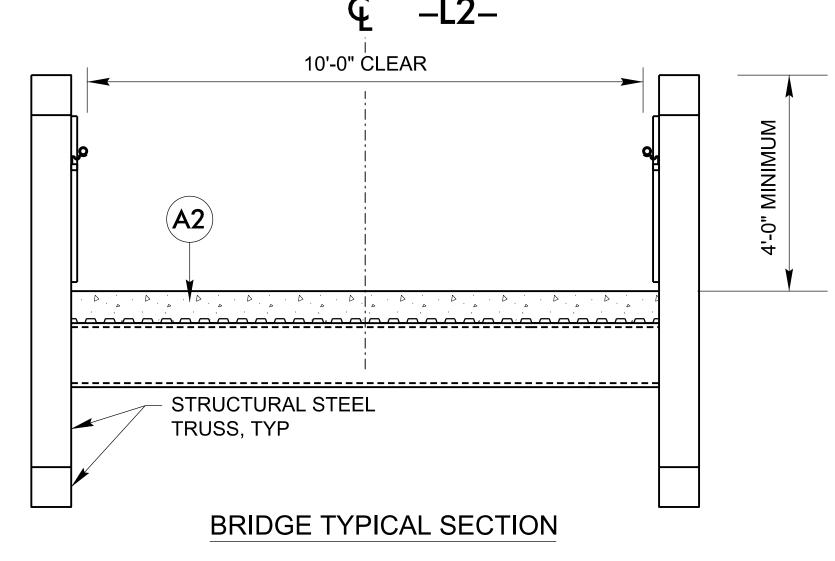
BOARDWALK TYPICAL SECTION

BOARDWALK NO.	CHAIN	BEGIN STATION	END STATION
1	-L2-	10+70.00	11+40.00
2	-L2-	13+00.00	13+40.00



TYPICAL SECTION #1 - 10' CONCRETE MULTI-USE PATH

CHAIN	BEGIN STATION	END STATION
-L2-	STA. 10+30.00	STA. 10+70.00
-L2-	STA. 13+40.00	STA. 13+79.88



BRIDGE NO. (CLEAR WIDTH)	CHAIN	BEGIN STATION	END STATION
S1 (10')	-L2-	STA. 11+40.00	STA. 13+00.00



MORGAN CREEK GREENWAY PHASE 2

GREENWAY ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

FIrm License No. C-1
421 Fayetteville
Suite
Ralelgh, NC 27
T 919.380.8
www.stewartinc.

DATE: DECEMBER 14, 2016
REVISIONS:
NO. DATE

PROJECT NO.:

SCALE: NTS

A16007.00

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