

ADDENDUM No. 2

TO: Prospective Bidders

FROM: **Sadia Khan**, Contracts Administrator

DATE: **January 16, 2018**

PROJECT: **Beam Road at Shopton Road (SR 1155) Roundabout**
 Project Number: 512-13-010
 TIP Number: C-5533
 Bid Number: HC2017-1042

The following items are being issued herein for modification and clarification to the Bid Requirements for the project referenced above. All Bidders shall acknowledge this Addendum within their submittal.

MODIFICATIONS

PROJECT MANUAL

- 1) Under Section 00 40 00 "ITEMIZED BID", following items have been *deleted* and *added*:

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
3	SP-01	Supplemental Grading	1	LS		
62	1120	Portable Changeable Message Sign	4	EA		

The Electronic Itemized Bid Form available at the City's website has been revised to reflect the above changes.

- 2) On page 00 70 00 – 74, *delete* the **sub-article 1.35 Z – 101, Minimum Wages** in its entirety and replace with the following:

1.35 Z – 101, Minimum Wages

GENERAL DECISION NC180101 01/05/2018 NC101

Z-101

Date: January 5, 2018

General Decision Number: NC180101 01/05/2018 NC101

Superseded General Decision Numbers: NC20170101

State: North Carolina

Construction Type: HIGHWAY

COUNTIES:

Alamance	Forsyth	Randolph
Anson	Gaston	Rockingham
Cabarrus	Guilford	Stokes



Chatham	Mecklenburg	Union
Davie	Orange	Yadkin
Durham	Person	

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract for calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2) – (60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number
0

Publication Date
01/05/2018

SUNC2014-003 11/14/2014

	Rates	Fringes
BLASTER	18.64	
CARPENTER	13.68	.05
CEMENT MASON/CONCRETE FINISHER	13.93	
ELECTRICIAN		
Electrician	18.79	2.72
Telecommunications Technician	15.19	1.25
IRONWORKER	13.30	
LABORER		
Asphalt Raker and Spreader	12.78	
Asphalt Screed/Jackman	14.50	
Carpenter Tender	12.51	.27
Cement Mason/Concrete Finisher Tender	11.04	
Common or General	10.40	.01
Guardrail/Fence Installer	13.22	
Pipelayer	12.43	
Traffic Signal/Lighting Installer	15.65	.24
PAINTER		
Bridge	23.77	
POWER EQUIPMENT OPERATORS		
Asphalt Broom Tractor	10.00	
Bulldozer Fine	16.13	
Bulldozer Rough	14.36	
Concrete Grinder/Groover	17.92	
Crane Boom Trucks	18.19	
Crane Other	19.83	
Crane Rough/All-Terrain	19.10	
Drill Operator Rock	14.28	
Drill Operator Structure	20.89	

	Rates	Fringes
Excavator Fine	16.95	
Excavator Rough	13.63	
Grader/Blade Fine	19.84	
Grader/Blade Rough	15.47	
Loader 2 Cubic Yards or Less	13.31	
Loader Greater Than 2 Cubic Yards	16.19	
Material Transfer Vehicle (Shuttle Buggy)	15.44	
Mechanic	17.51	
Milling Machine	15.22	
Off-Road Hauler/Water Tanker	11.83	
Oiler/Greaser	14.16	
Pavement Marking Equipment	12.05	
Paver Asphalt	15.97	
Paver Concrete	18.20	
Roller Asphalt Breakdown	12.79	
Roller Asphalt Finish	13.76	
Roller Other	12.08	
Scraper Finish	12.65	
Scraper Rough	11.50	
Slip Form Machine	19.60	
Tack Truck/Distributor Operator	14.82	
TRUCK DRIVER		
GVWR of 26,000 Lbs or Less	11.45	
GVWR of 26,000 Lbs or Greater	13.57	.03

Welders – Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the

survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

- 2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

- 3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

- 4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

- 3) On page 00 75 00 – 3, *delete* the **SP-01, SUPPLEMENTAL GRADING** in its entirety and replace with the following:

SP-01, NOT USED

- 4) On page 00 75 00 – 4, *delete* the **1st paragraph of sub-section 3.0 MEASUREMENT AND PAYMENT** under **SP-02, EARTHWORK, EXCAVATION, UNSUITABLE MATERIALS AND BACKFILL MATERIALS** in its entirety and replace with the following:

There will be no direct payment for earthwork, excavation, unsuitable materials, and backfill materials described in this special provision. Payment will be made at the contract unit prices for the various items covered by sections **226 Comprehensive Grading**, **300 Pipe Installation**, **305 Drainage Pipe**, **310 Pipe Culverts**, ~~**SP-01 Supplemental Grading**~~ and **SP-03 Select Material**.

- 5) On page 00 75 00 – 10, *delete* the **sub-section 2.0 MATERIALS** under **SP-05, TRUCK MOUNTABLE ISLAND** in its entirety and replace with the following:

2.0 MATERIALS

Concrete shall be **Class AA** Concrete meeting the requirements of Section 1000 of the 2012 Standard Specifications.

Prior to construction, the Contractor will submit shop drawings (with a professional engineer’s stamp) including laying pattern, manufacturer’s product data, and installation procedure. In addition all pattern stamp (**Cobblestone**), heavy-duty color hardener (**color – Pink/Purple**), curing compound, release agent (color – Charcoal or Cobblestone Gray) and gloss sealer shall be in accordance with, and shall conform to, the manufactures’ (Bomanite, Scofield Systems, Legacy Color or approved equal) and American Concrete Institute (ACI) standards and specifications.

Additionally the concrete should include epoxy coated **4 x 4 – W3.5 x W3.5** welded wire mesh reinforcement meeting the requirements of Section 1070 of the 2012 Standard Specifications.

DRAWINGS

- 6) On the DRAWINGS, replace each drawing sheet indicated below with the revised drawing sheets included as part of this Addendum No. 2:

SHEET NO	DRAWING TITLE
2A	TYPICAL SECTIONS
2B	TYPICAL SECTIONS
2C	TYPICAL SECTIONS

Following change has been made in the Pavement Schedule of the above sheets:

R1	PROPOSED 1’-6” MOUNTABLE CONC CURB AND GUTTER, NCDOT 846.01
R2	PROPOSED 2’-6” CONC. CURB AND GUTTER, NCDOT 846.01
R3	PROPOSED 5” CONC. MONOLITHIC ISLAND (KEYED IN), NCDOT 852.01 DRIVE 40d SPIKES INTO ASPHALT UNDER MONOLITHIC CONCRETE ISLAND. STAGGER SPIKES ON 2’ CENTERS EACH WAY.
R4	PROPOSED VARIABLE 7”-8” TRUCK MOUNTABLE CONC. ISLAND, NCDOT 846.01 W/ CLASS AA PINK/PURPLE COBBLESTONE PATTERN STAMPED CONCRETE, 5000 PSI

QUESTIONS & ANSWERS

1. Will Variable Message Boards be required at all four approach streets prior to and during the intersection closure?

Answer: Yes. A pay item for Message Sign has been added in this Addendum # 2.

2. The typical sections call out 5” Conc. Monolithic Island (Keyed In), but then also state “Drive 40d spikes into asphalt under monolithic concrete island...” The spikes would only be necessary if the islands were surface mounted rather than keyed in. Please clarify.

Answer: 5” Concrete Monolithic Island shall be Keyed-In. Notes on Pavement Schedule on Sheet 2A – 2C have been modified in this Addendum # 2.

3. Item 30, Truck Mountable Island, is described as “...Pink/Purple Cobblestone Pattern Stamped Concrete” in the typical sections. SP-05 calls for a stamp pattern of Basketweave Brick and Rustic Red color. Please clarify.

Answer: It shall be Pink/Purple Cobblestone Pattern Stamped Concrete. SP-05 TRUCK MOUNTABLE ISLAND has been modified to reflect this change.

4. The typical sections call for 6" x 6" Epoxy Coated Woven Wire Mesh embedded in the Truck Mounted Island. What gauge is required?

Answer: Wire Mesh gauge information has been added in this Addendum # 2.

5. What type of grate is going to be used for drainage structure # 4 in the truck apron?

Answer: Drainage structure # 4 is traffic bearing grated drop inlet with narrow slot flat grate (NCDOT Std. 840.29). Refer to the Drainage Structure Summary Table on Sheet # 3.

6. Since the new 2018 NCDOT Standard Specifications for Road and Structures is out, will this applicable to this project?

Answer: No, the project will still use 2012 NCDOT Standard Specifications for Road and Structures as it referenced in the bid documents.

7. If the Prime Contractor is DBE certified can they be count towards DBE goal?

Answer: Yes. If the Prime Contractor is a certified DBE firm then the work they perform will count toward the DBE goal. They should list their firm on the Listing of DBE Subcontractors Form, show a dollar amount of work they will be performing and show "Self-Perform". They will also list other DBEs to which they may subcontract work. Refer to the paragraph titled "DBE Prime Contractor" on page 00 70 00 – 6 of the Project Manual.

8. Is there any time restriction for weekend lane closures?

Answer: No.

END OF ADDENDUM NO. 2

ITEMIZED BID

Project #: 512-13-010

Project Name: Beam Road at Shopton Road (SR 1155) Roundabout

SECTION 1: BID

ADDENDUM # 2

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
1	800	Mobilization	1	LS		
2	226	Grading	1	LS		
3	SP-03	Select Material	300	TN		
4	226	Undercut Excavation	550	CY		
5	300	Foundation Conditioning Material, Minor Structures	100	TN		
6	310	15" R.C. Pipe Culverts, Class III	919	LF		
7	310	15" R.C. Pipe Culverts, Class IV	232	LF		
8	310	18" R.C. Pipe Culverts, Class III	256	LF		
9	310	18" R.C. Pipe Culverts, Class IV	144	LF		
10	340	Pipe Removal	380	LF		
11	SP-04	Wall, Precast Modular Block Retaining	280	SF		
12	545	Incidental Stone Base	100	TN		
13	607	Milling Asphalt Pavement, 0.0" to 3.0"	7,300	SY		
14	610	Asphalt Concrete Base Course, Type B 25.0 C	1,610	TN		
15	610	Asphalt Concrete Intermediate Course, Type I 19.0 C	1,070	TN		
16	610	Asphalt Concrete Surface Course, Type S 9.5 C	1,250	TN		

ADDENDUM # 2

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
17	620	Asphalt Binder for Plant Mix	235	TN		
18	840	Masonry Drainage Structures	16	EA		
19	840	Masonry Drainage Structures, Extra Depth	10	LF		
20	858	Adjustment of Manholes	2	EA		
21	840	Frame with Grate (all types)	15	EA		
22	840	Manhole Frame and Cover, NCDOT Std 840.54	1	EA		
23	840	Pipe Collars	3	CY		
24	840	Pipe Plugs	1	CY		
25	846	6" x 12" Concrete Curb	130	LF		
26	SP-15	1' 6" Concrete Curb and Gutter with Black Tint, Class AA Concrete	695	LF		
27	846	2' 6" Concrete Curb and Gutter	2,635	LF		
28	848	4 " Concrete Sidewalk	1,755	SY		
29	SP-05	Truck Mountable Island	610	SY		
30	SP-06	Pedestrian Ramps at Truck Aprons	30	SY		
31	SP-07	Ramps, Wheelchair concrete	260	SY		
32	852	Monolithic Concrete Islands, 5"	520	SY		
33	867	Metal Fence Reset	540	LF		
34	SP-10	4" Perforated Subdrain Pipe w/Stone & Filter Fabric (CLDS 40.08A, B, C)	160	LF		
35	SP-11	4" Schedule 80 PVC	55	LF		
36	SP-12	CDOT 2.0" PVC Conduit, Schedule 80	200	LF		

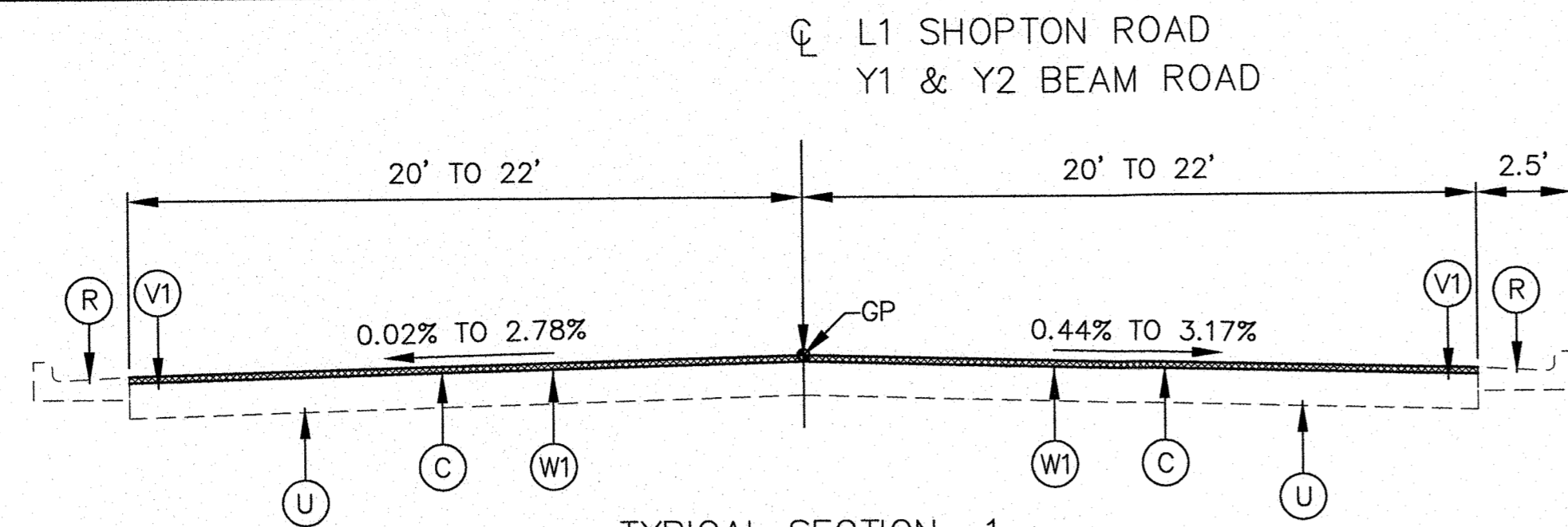
ADDENDUM # 2

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
37	901	Contractor Furnished, Type D Sign	1,165	SF		
38	903	Supports, 3-lb Steel U-Channel	215	LF		
39	904	Sign Erection, Type D	37	EA		
40	SP-08	Reflective Paddles	4	EA		
41	SP-09	Traffic Control	1	LS		
42	1205	Thermoplastic Pavement Marking Lines, 4", 90 mils	821	LF		
43	1205	Thermoplastic Pavement Marking Lines, 4", 120 mils	5,373	LF		
44	1205	Thermoplastic Pavement Marking Lines, 6", 90 mils	3,739	LF		
45	1205	Thermoplastic Pavement Marking Lines, 6", 120 mils	178	LF		
46	1205	Thermoplastic Pavement Marking Lines, 8", 90 mils	522	LF		
47	1205	Thermoplastic Pavement Marking Lines, 8", 120 mils	716	LF		
48	1205	Thermoplastic Pavement Marking Lines, 12", 90 mils	62	LF		
49	1205	Thermoplastic Pavement Marking Lines, 12", 120 mils	60	LF		
50	1205	Thermoplastic Pavement Marking Symbols	38	EA		
51	1251	Permanent Raised Pavement Markers	75	EA		
52	1605	Temporary Silt Fence	1,655	LF		
53	1610	Sediment Control Stone	170	TN		
54	1610	Stone for Erosion Control, Class B	50	TN		
55	1632	¼" Hardware Cloth	260	LF		
56	SP-13	Catch Basin Inlet Protection	17	EA		

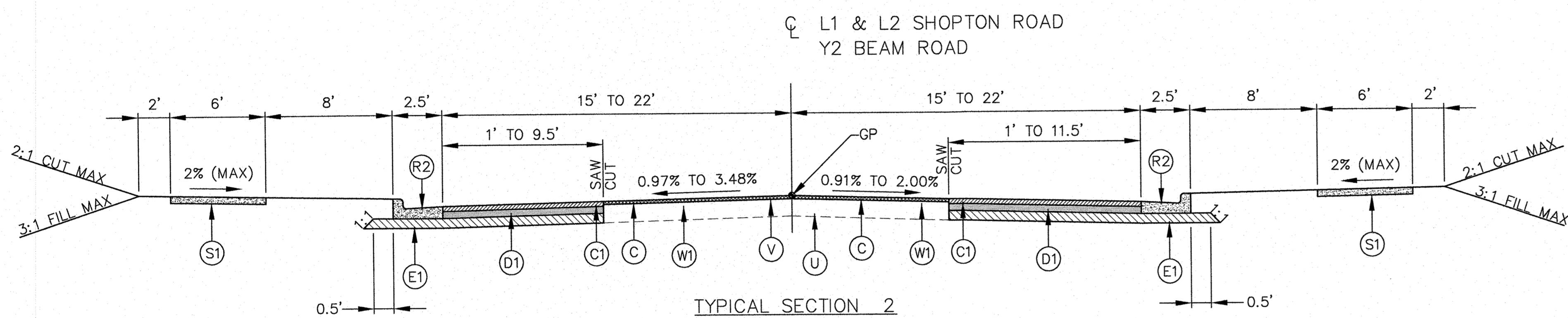
ADDENDUM # 2

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
57	1660	Seeding and Mulching	2	AC		
58	SP-14	Temporary Tree Protection Fence	60	LF		
59	SPU-01	Adjust Water Valve	1	EA		
60	SPU-02	Relocate Fire Hydrant	1	EA		
61	SP-16	Planting Mix	230	CY		
62	1120	Portable Changeable Message Sign	4	EA		
Total Amount Bid						

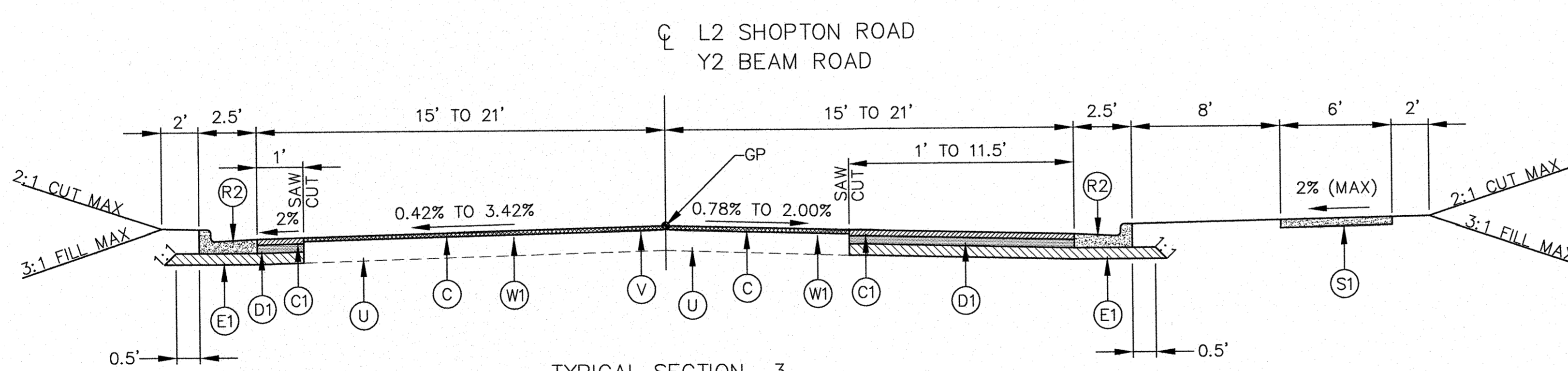
Do not include any North Carolina Sales and Use Tax that qualifies as Eligible Taxes per Section 00 70 00, Subsection 2.17 "Sales and Use Tax".



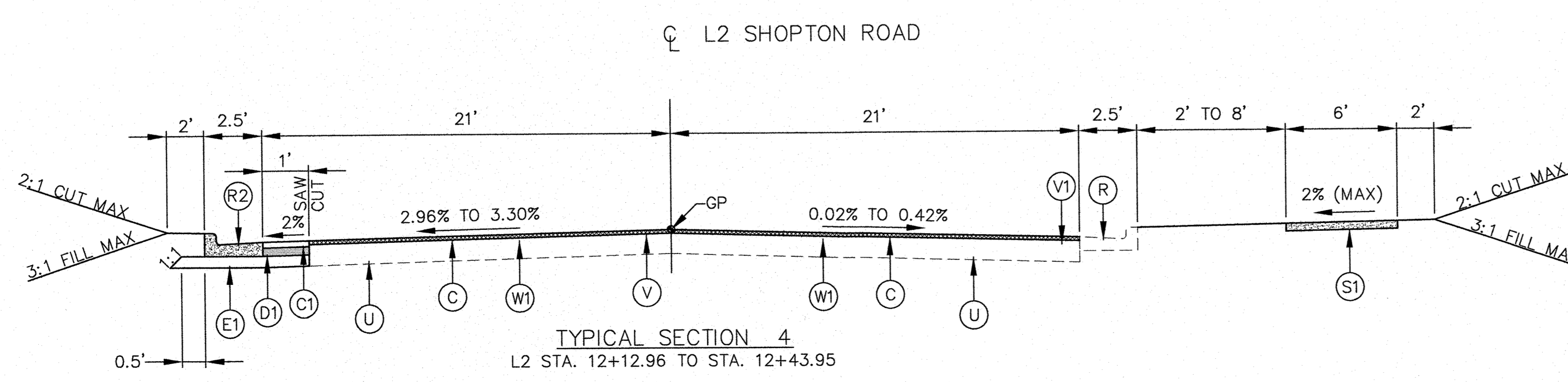
TYPICAL SECTION 1
 L1 STA. 9+50 TO STA. 11+49.99
 Y1 STA. 9+14 TO STA. 12+47.54
 Y2 STA. 12+60.01 TO STA. 14+07 RIGHT
 Y2 STA. 12+68.31 TO STA. 14+07 LEFT (NO EX. C&G)



TYPICAL SECTION 2
 L1 STA. 11+50 TO STA. 13+24.99
 L2 STA. 11+50.01 TO STA. 11+75
 Y2 STA. 11+00.01 TO STA. 11+33.52

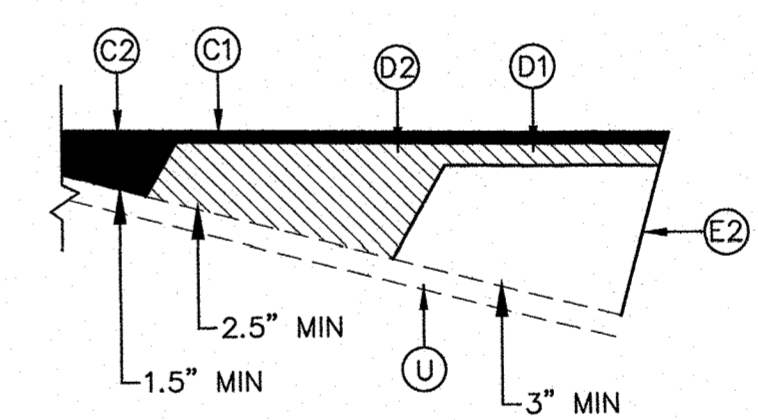


TYPICAL SECTION 3
 L2 STA. 11+75.01 TO STA. 12+12.95
 Y2 STA. 11+33.53 TO STA. 12+60 RIGHT
 Y2 STA. 11+33.53 TO STA. 12+68.30 LEFT

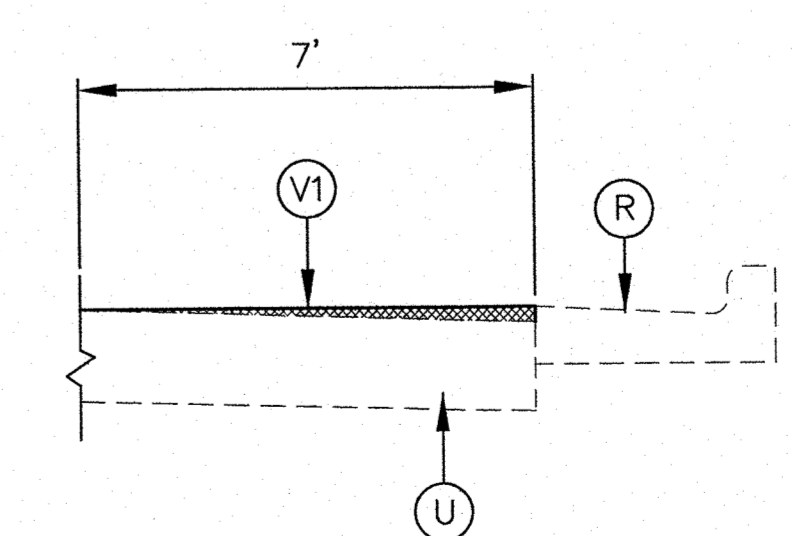


TYPICAL SECTION 4
 L2 STA. 12+12.96 TO STA. 12+43.95

PAVEMENT SCHEDULE	
C	PROP. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 168 LBS PER SQ YD
C1	PROP. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 168 LBS PER SQ YD IN EACH OF TWO LAYERS
C2	PROP. VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 112 LBS PER SQ YD PER 1" DEPTH. PLACED IN LAYERS NOT LESS THAN 1.5" OR GREATER THAN 2" IN DEPTH.
D1	PROP. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0 C, AT AN AVG. RATE OF 456 LBS PER SQ YD
D2	PROP. VARIABLE DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0 C, AT AN AVG. RATE OF 114 LBS PER SQ YD PER 1" DEPTH. PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4" IN DEPTH.
E1	PROP. 6" ASPHALT CONCRETE BASE COURSE, TYPE B 25.0 C, AT AN AVG. RATE OF 342 LBS PER SQ YD IN EACH OF TWO LAYERS
E2	PROP. VARIABLE DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B 25.0 C, AT AN AVG. RATE OF 114 LBS PER SQ YD PER 1" DEPTH. PLACED IN LAYERS NOT LESS THAN 3" OR GREATER THAN 5.5" IN DEPTH.
R	EXISTING CURB AND GUTTER
R1	PROPOSED 1'-6" MOUNTABLE CONC CURB AND GUTTER, NCDOT 846.01
R2	PROPOSED 2'-6" CONC. CURB AND GUTTER, NCDOT 846.01
R3	PROPOSED 5" CONC. MONOLITHIC ISLAND (KEYED IN), NCDOT 852.01
R4	PROPOSED VARIABLE 7"-8" TRUCK MOUNTABLE CONC. ISLAND, NCDOT 846.01 W/ CLASS AA PINK/PURPLE COBBLESTONE PATTERN STAMPED CONCRETE, 5000 PSI
S	EXISTING CONCRETE SIDEWALK
S1	PROPOSED 4" CONCRETE SIDEWALK
TI	PLANTING MIX
U	EXISTING PAVEMENT
V	VARIABLE DEPTH MILLING 0"-1.5"
V1	PROFILE MILLING 0"-1.5" - SEE DETAIL THIS SHEET
W1	WEDGING - SEE DETAIL THIS SHEET



WEDGING DETAIL (W1)
 NOT TO SCALE

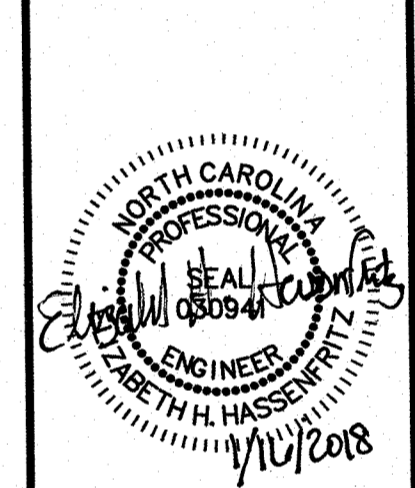


PROFILE MILLING (V1) AT EX. CURB & GUTTER
 NOT TO SCALE



Plans Prepared By:
BUILDING
 FOR CHARLOTTE
 CITY OF CHARLOTTE
 PLANNING & DESIGN GROUP

NO.	DATE	BY	DESCRIPTION

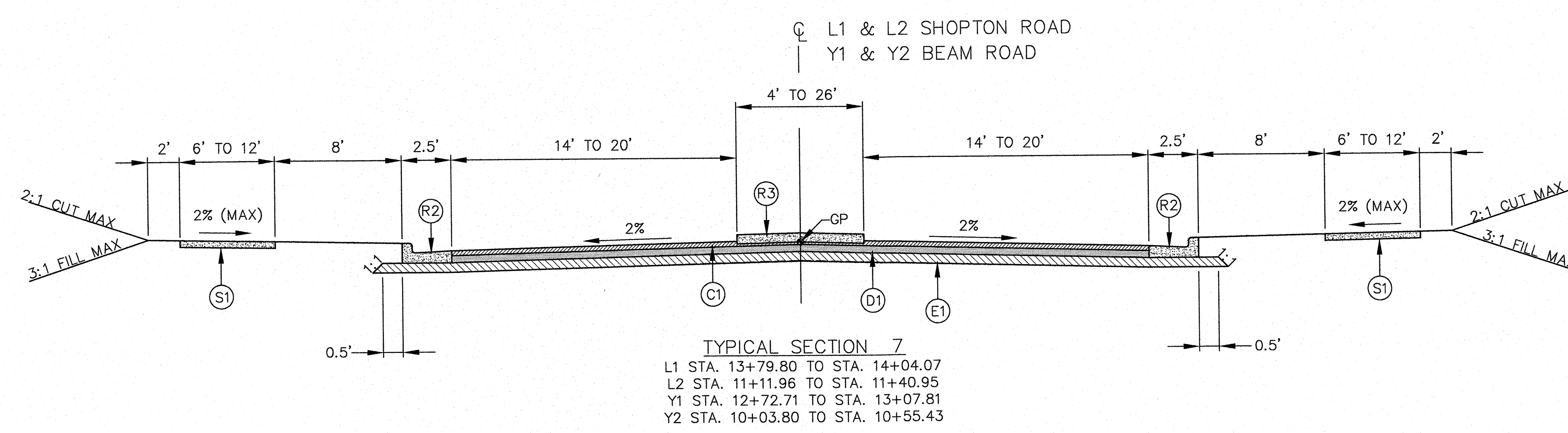
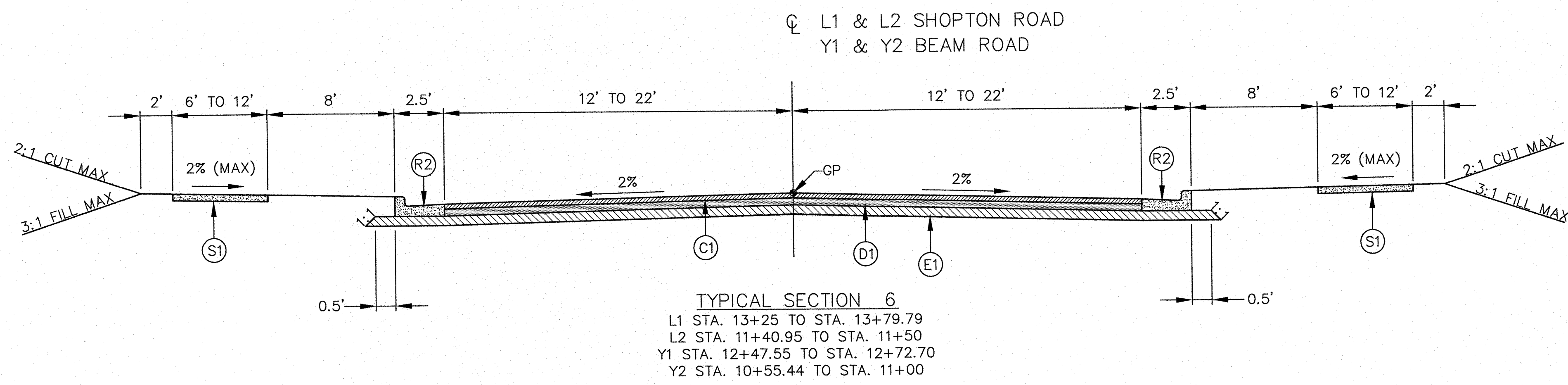
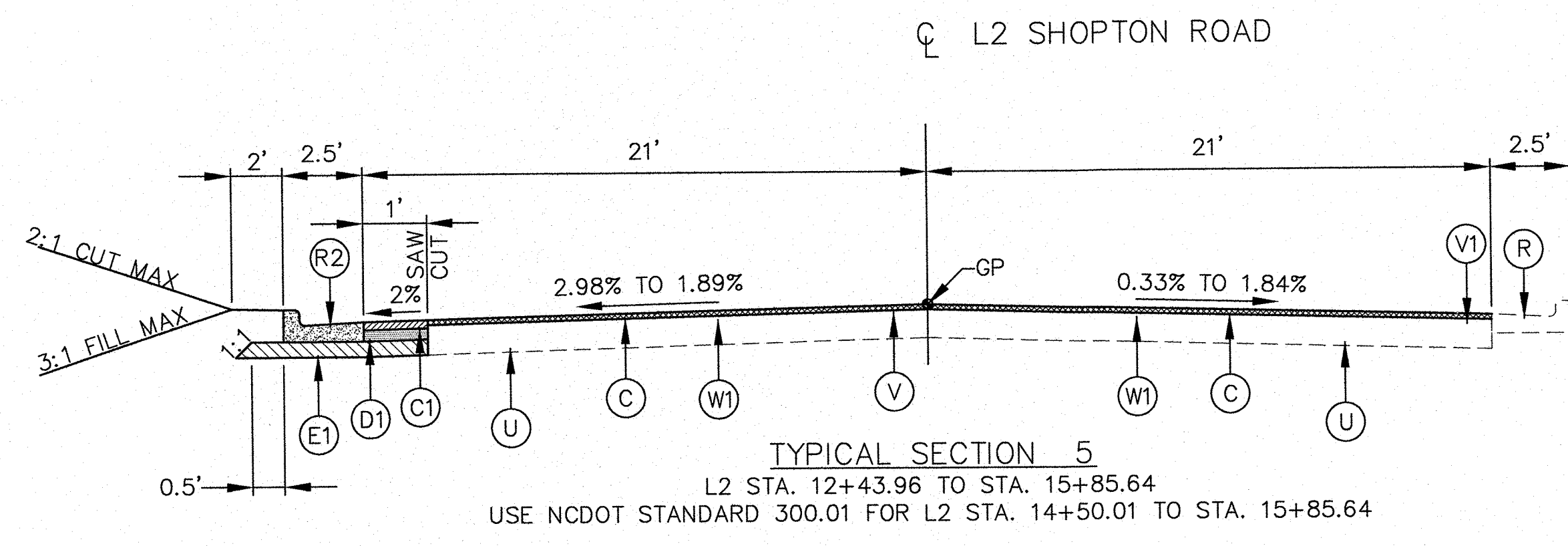


512-13-00	NTS	SCALE	DATE
512-13-00 DRAWINGS PLOTS SHEET 3			

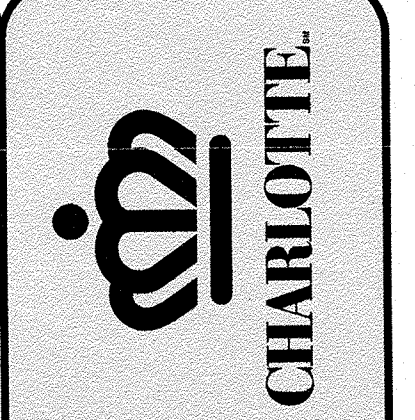
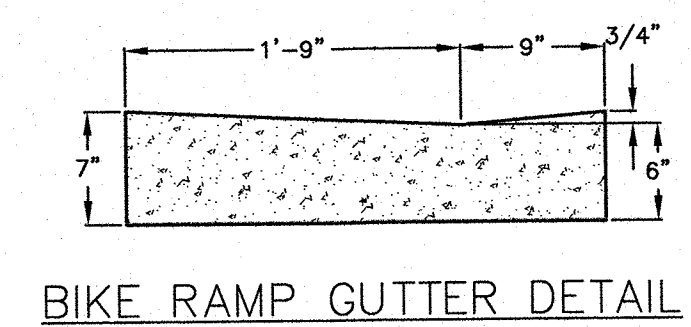
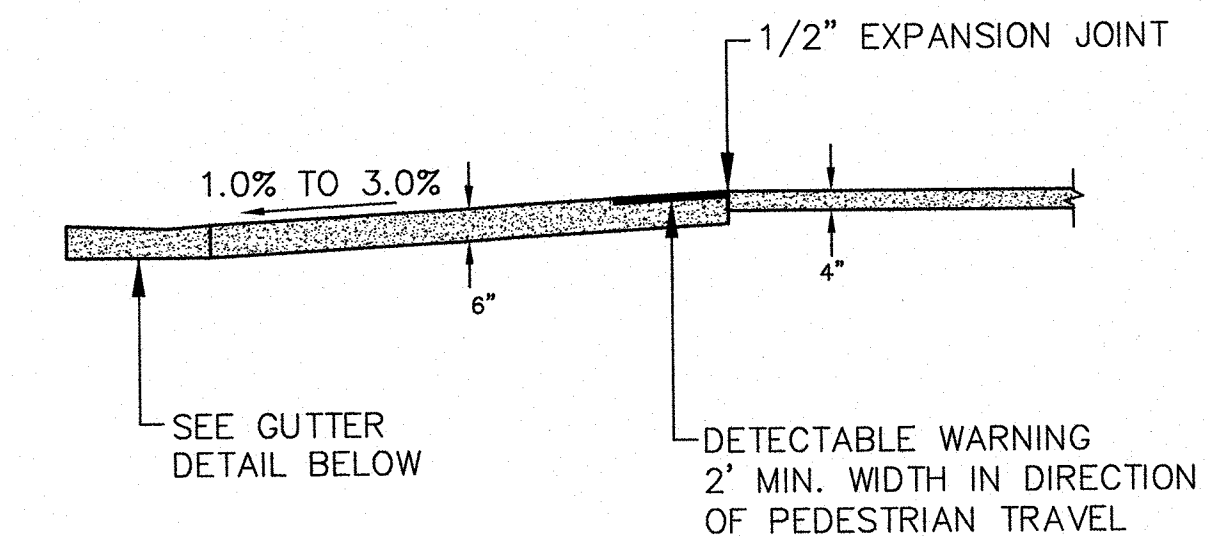
BEAM ROAD AT SHOPTON ROAD ROUNDABOUT

TYPICAL SECTIONS

SHEET **2A** OF **10**

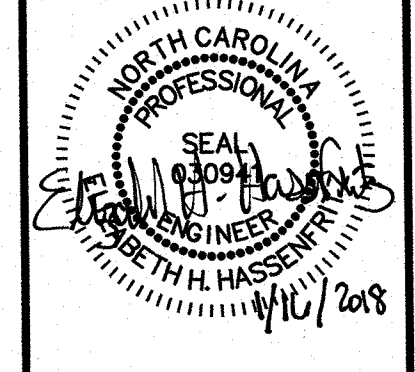


PAVEMENT SCHEDULE	
C	PROP. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 168 LBS PER SQ YD
C1	PROP. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 168 LBS PER SQ YD IN EACH OF TWO LAYERS
D1	PROP. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0 C, AT AN AVG. RATE OF 456 LBS PER SQ YD
E1	PROP. 6" ASPHALT CONCRETE BASE COURSE, TYPE B 25.0 C, AT AN AVG. RATE OF 342 LBS PER SQ YD IN EACH OF TWO LAYERS
R	EXISTING CURB AND GUTTER
R1	PROPOSED 1'-6" MOUNTABLE CONC CURB AND GUTTER, NCDOT 846.01
R2	PROPOSED 2'-6" CONC. CURB AND GUTTER, NCDOT 846.01
R3	PROPOSED 5" CONC. MONOLITHIC ISLAND (KEYED IN), NCDOT 852.01
R4	PROPOSED VARIABLE 7"-8" TRUCK MOUNTABLE CONC. ISLAND, NCDOT 846.01 W/ CLASS AA PINK/PURPLE COBBLESTONE PATTERN STAMPED CONCRETE, 5000 PSI
S	EXISTING CONCRETE SIDEWALK
S1	PROPOSED 4" CONCRETE SIDEWALK
T1	PLANTING MIX
U	EXISTING PAVEMENT
V	VARIABLE DEPTH MILLING 0"-1.5"
V1	PROFILE MILLING 0"-1.5" - SEE DETAIL SHEET 2A
W1	WEDGING - SEE DETAIL SHEET 2A



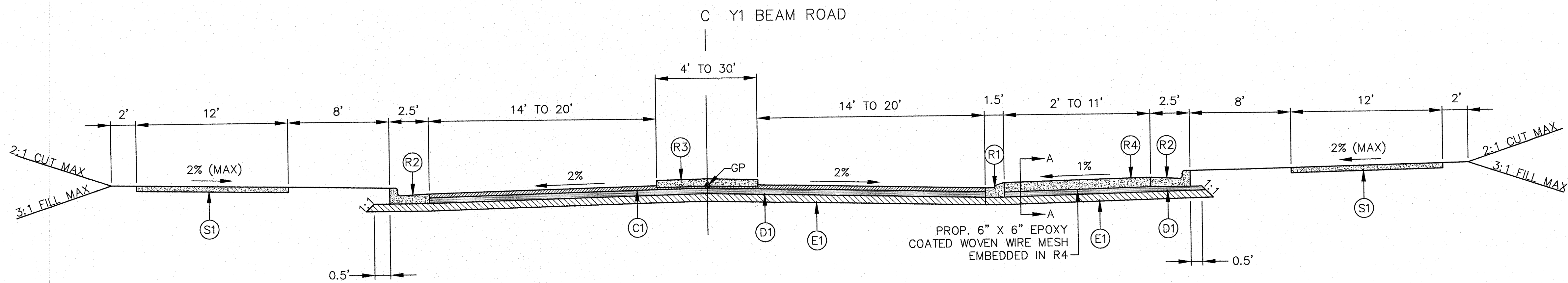
Plans Prepared By:
BUILDING
 FOR CHARLOTTE
 CHANGING OUR PROPERTY MANAGEMENT
 PLANNING & DESIGN GROUP
 600 East Fourth Street
 Charlotte, North Carolina 28202
 Phone: (704) 336-2201
 Fax: (704) 336-6586

NO.	DATE	DESCRIPTION

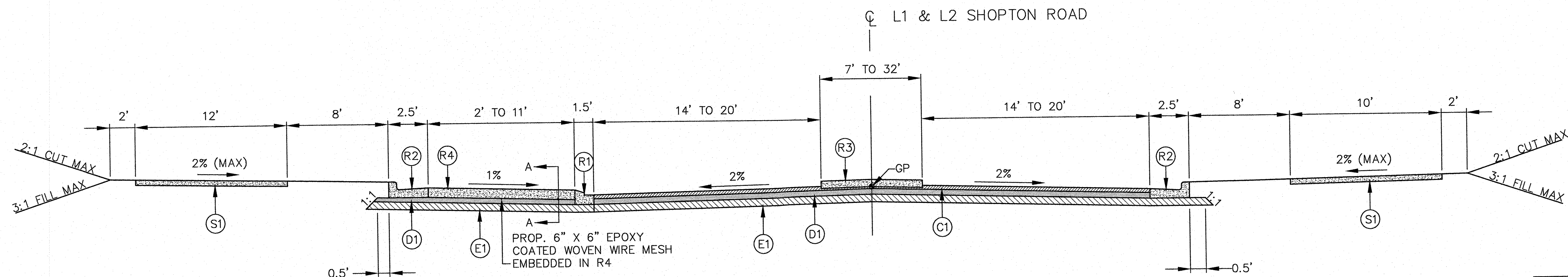
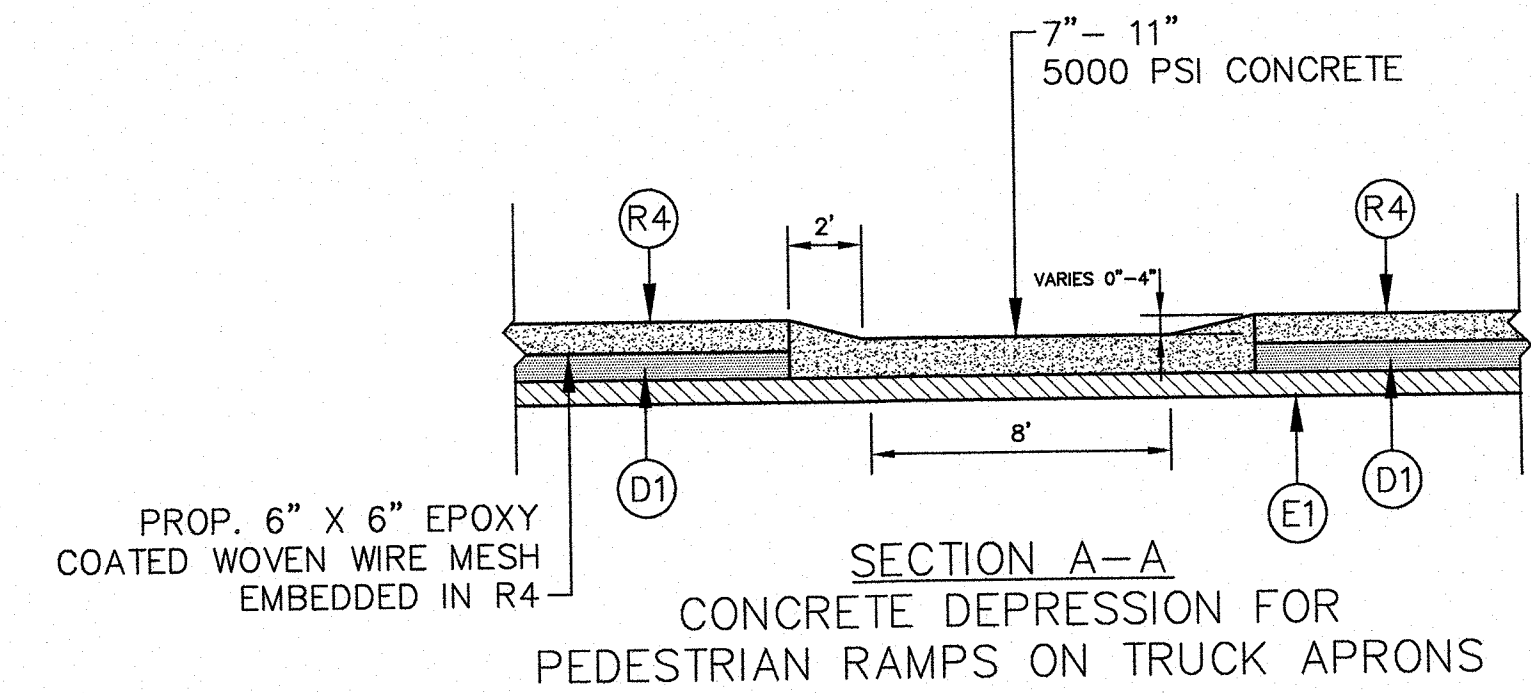


512-13-010	512-13-010 DRAWINGS PLOTS SHEET 3	APR	04/2014
DATE	CAD FILE PATH	CHECKED BY	DATE

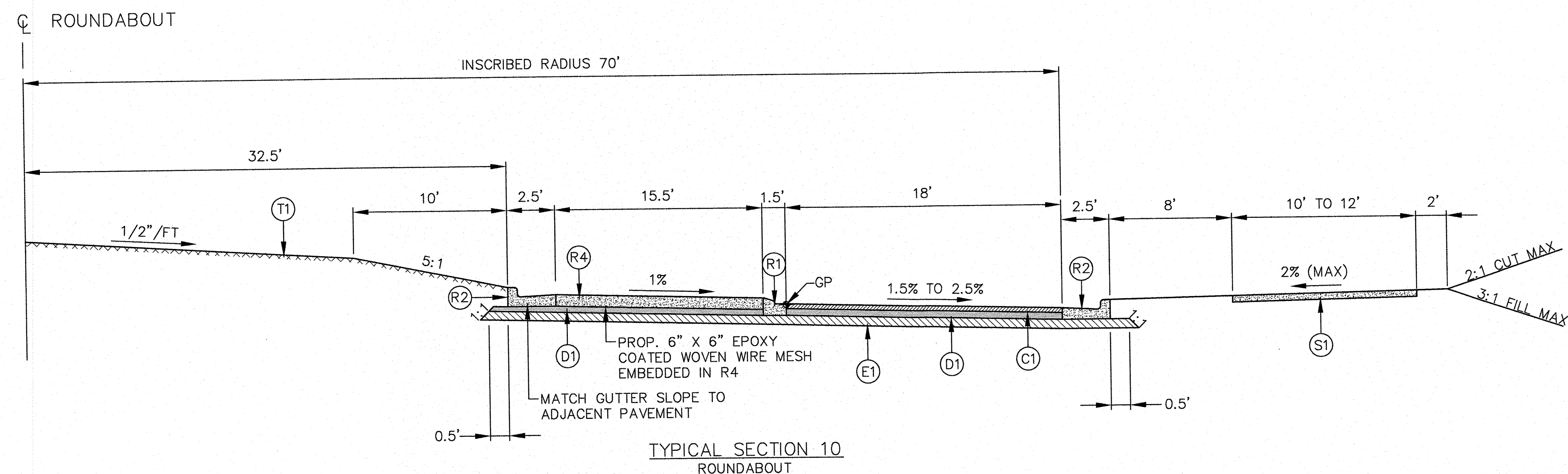
BEAM ROAD AT SHOPTON ROAD ROUNDABOUT
 TYPICAL SECTIONS
 SHEET 2B OF 10



TYPICAL SECTION 8
 Y1 STA. 13+07.82 TO STA. 14+00 TRUCK APRON RIGHT
 (MEDIAN STA. 13+07.82 TO STA. 13+97.04)



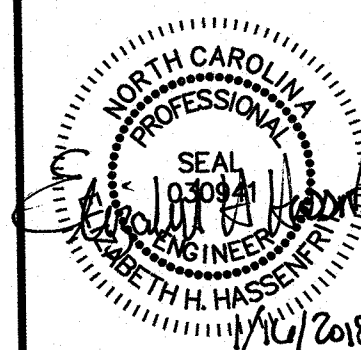
TYPICAL SECTION 9
 L1 STA. 14+04.08 TO STA. 15+00 TRUCK APRON LEFT
 (MEDIAN STA. 14+04.08 TO STA. 14+93.82)
 L2 STA. 10+00 TO STA. 11+11.95 TRUCK APRON LEFT
 (MEDIAN STA. 10+10.94 TO STA. 11+11.95)



TYPICAL SECTION 10
 ROUNDABOUT

PAVEMENT SCHEDULE	
C	PROP. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 168 LBS PER SQ YD
C1	PROP. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 C, AT AN AVG. RATE OF 168 LBS PER SQ YD IN EACH OF TWO LAYERS
D1	PROP. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0 C, AT AN AVG. RATE OF 456 LBS PER SQ YD
E1	PROP. 6" ASPHALT CONCRETE BASE COURSE, TYPE B 25.0 C, AT AN AVG. RATE OF 342 LBS PER SQ YD IN EACH OF TWO LAYERS
R	EXISTING CURB AND GUTTER
R1	PROPOSED 1'-6" MOUNTABLE CONC CURB AND GUTTER, NCDOT 846.01
R2	PROPOSED 2'-6" CONC. CURB AND GUTTER, NCDOT 846.01
R3	PROPOSED 5" CONC. MONOLITHIC ISLAND (KEYED IN), NCDOT 852.01
R4	PROPOSED VARIABLE 7"-8" TRUCK MOUNTABLE CONC. ISLAND, NCDOT 846.01 W/ CLASS AA PINK/PURPLE COBBLESTONE PATTERN STAMPED CONCRETE, 5000 PSI
S	EXISTING CONCRETE SIDEWALK
S1	PROPOSED 4" CONCRETE SIDEWALK
T1	PLANTING MIX
U	EXISTING PAVEMENT
V	VARIABLE DEPTH MILLING 0"-1.5"

NO.	DATE	BY	DESCRIPTION



512-13-010	512-13-010	512-13-010	512-13-010
JOB NO.	DRRAWINGS PLOTS SHEETS	CAD FILE PATH	DATE

BEAM ROAD AT SHOPTON ROAD ROUNDABOUT		TYPICAL SECTIONS	
SHEET	2C	OF	10