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09/08/2019

See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**HENDERSON, TRANSYLVANIA &
JACKSON COUNTY**

LOCATION: HENDERSONVILLE, HENDERSON COUNTY
BREVARD, TRANSYLVANIA COUNTY
CULLOWHEE, JACKSON COUNTY

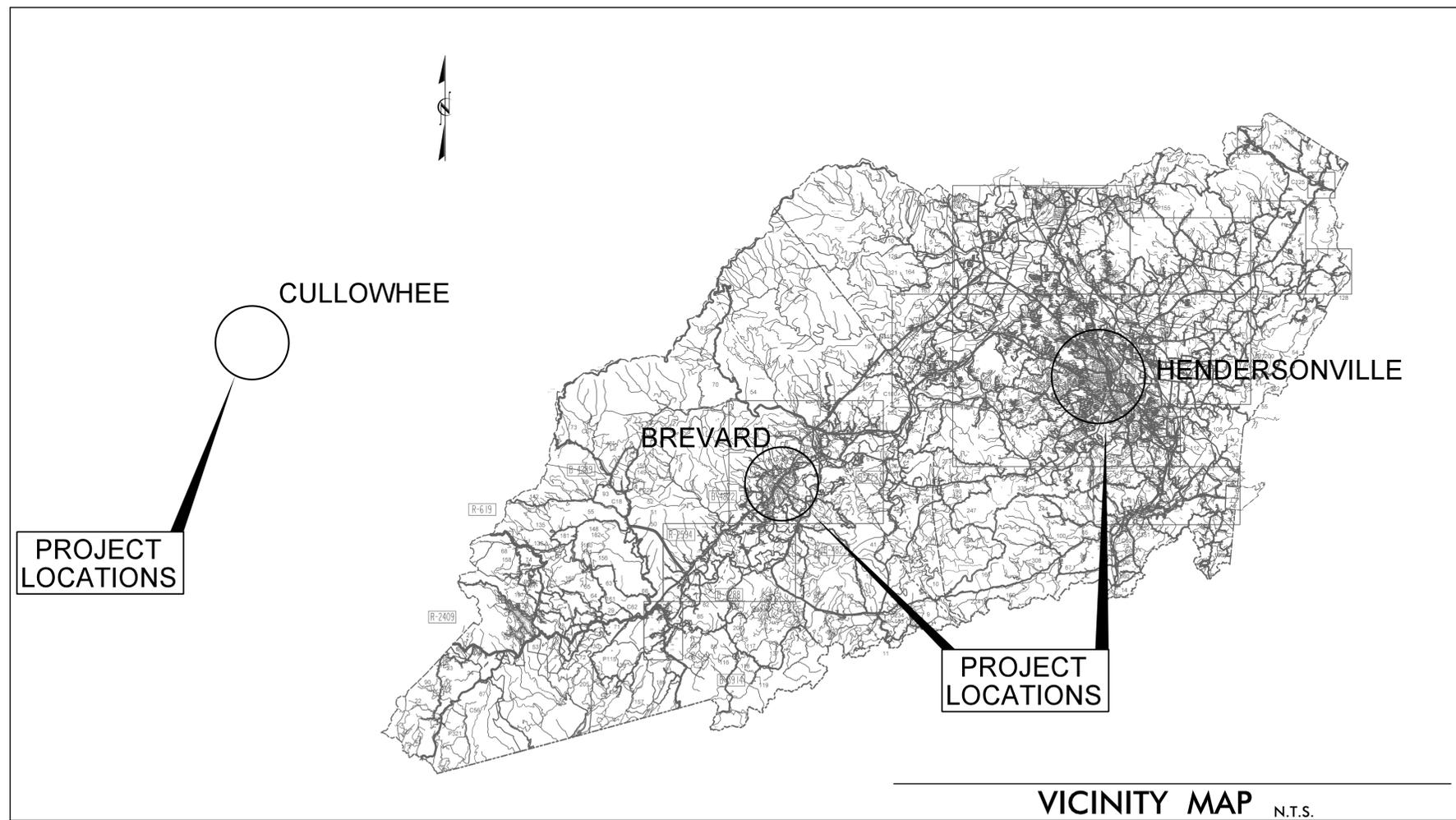
TYPE OF WORK: CURB RAMPS

SEE SITE MAP SHEETS FOR COUNTY SITE LOCATIONS

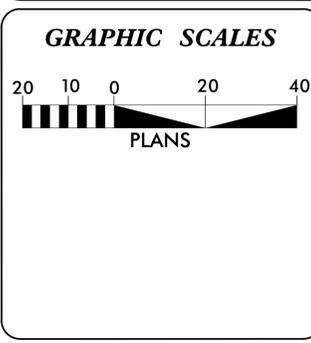
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5794H	1	12
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44910.3.10			

TIP PROJECT: R-5749H

CONTRACT: DN00697



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2015	=	N/A
ADT 2017	=	N/A
DHV	=	N/A
D	=	N/A
T	=	N/A
V	=	VARIES
* TTST	=	N/A
FUNC CLASS	=	LOCAL

PROJECT LENGTH

N/A

Prepared in the Office of:

WSP USA Inc.
1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
JANUARY 11, 2022

SIERRA HAYNES, PE
PROJECT ENGINEER

PROJECT DESIGN ENGINEER

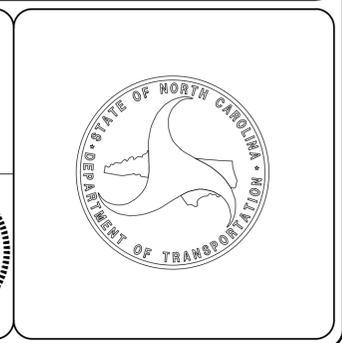
HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

12/17/2021

DocuSigned by:
Sierra Haynes
SIGNATURE: _____



12/17/2021
I:\1883600-03\AR-5794A\Roadway\Proj\2019\2019 R-5794H District\COMBINED_TSH_H.dgn
r.feldw

COUNTY SITE MAPS

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

PROJECT REFERENCE NO. R-5794H	SHEET NO. 1B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
<small>DocuSign</small> <small>SE181</small> <i>Sierra Hayes</i> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TRANSYLVANIA COUNTY

- LOCATION: BREVARD, TRANSYLVANIA COUNTY**
SITE 1 - FRENCH BROAD STREET AND BUS. 64 (CALDWELL ST.)
SITE 2 - US 276 (E. MAIN ST.) AND GASTON STREET
SITE 3 - US 276 (E. MAIN ST.) AND JOHNSON STREET
SITE 4 - US 276 (E. MAIN ST.) AND RICE STREET
SITE 5 - US 276 (E. MAIN ST.) AND PHILIPS LANE
SITE 6 - US 276 (E. MAIN ST.) AND FRANKLIN STREET
SITE 7 - US 276 (E. MAIN ST.) AND WOODSIDE DRIVE



HENDERSON COUNTY

- LOCATION: HENDERSONVILLE, HENDERSON COUNTY**
SITE 8 - NC 191 (HAYWOOD ROAD) AND CALVARY BAPTIST
SITE 9 - NC 191 (HAYWOOD ROAD) AND BRIDGETTE LOOP ROAD
SITE 10 - BUS. 25 (N CHURCH STREET) AND US 64 (W. 7TH AVENUE)
SITE 11 - US 64 (7TH AVENUE) AND N. GROVE STREET/7TH AVENUE
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SITE 13 - SR 1172 (1308 & 1310 HEBRON ROAD)
SITE 14 - SR 1172 (HEBRON ROAD) AND S. WHITTED STREET
SITE 15 - SR 1172 (600 HEBRON ROAD)
SITE 16 - SR 1172 (HEBRON ROAD) AND SR 1171 (WILLOW ROAD)
SITE 17 - SR 1171 (WILLOW ROAD) AND DAIRY STREET
SITE 18 - SR 1171 (WILLOW ROAD) AND SHORT STREET
SITE 19 - SR 1171 (WILLOW ROAD) AND SADDLEBROOK DRIVE
SITE 20 - SR 1171 (WILLOW ROAD) AND STATE STREET
SITE 21 - SR 1171 (WILLOW ROAD) AND MOUNTAIN VIEW STREET
SITE 22 - SR 1171 (WILLOW ROAD) AND COURTWOOD LANE
SR 1171 (WILLOW ROAD) AND HUFF STREET



NAD 83 (CORS)

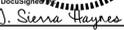
JACKSON COUNTY

- LOCATION: CULLOWHEE, JACKSON COUNTY**
SITE 23 - CENTENNIAL DR. AT WCU COURTYARD



8/17/99

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

PROJECT REFERENCE NO. R-5794H	SHEET NO. 1A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
 12/17/2021	
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INDEX OF SHEETS

SHEET NUMBER

SHEET

1

TITLE SHEET

1A

INDEX OF SHEETS

1B

COUNTY SITE MAPS

2C-1 THRU 2C-2

RAMP DETAILS

4 THRU 5

PLAN SHEETS FOR TRANSYLVANIA COUNTY

6 THRU 9

PLAN SHEETS FOR HENDERSON COUNTY

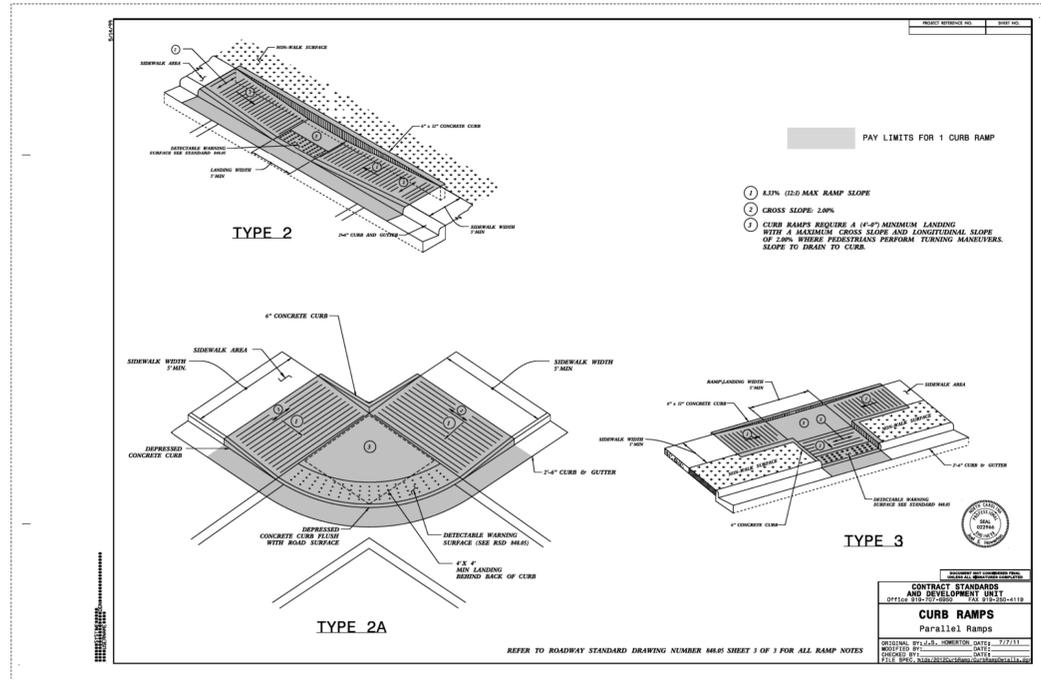
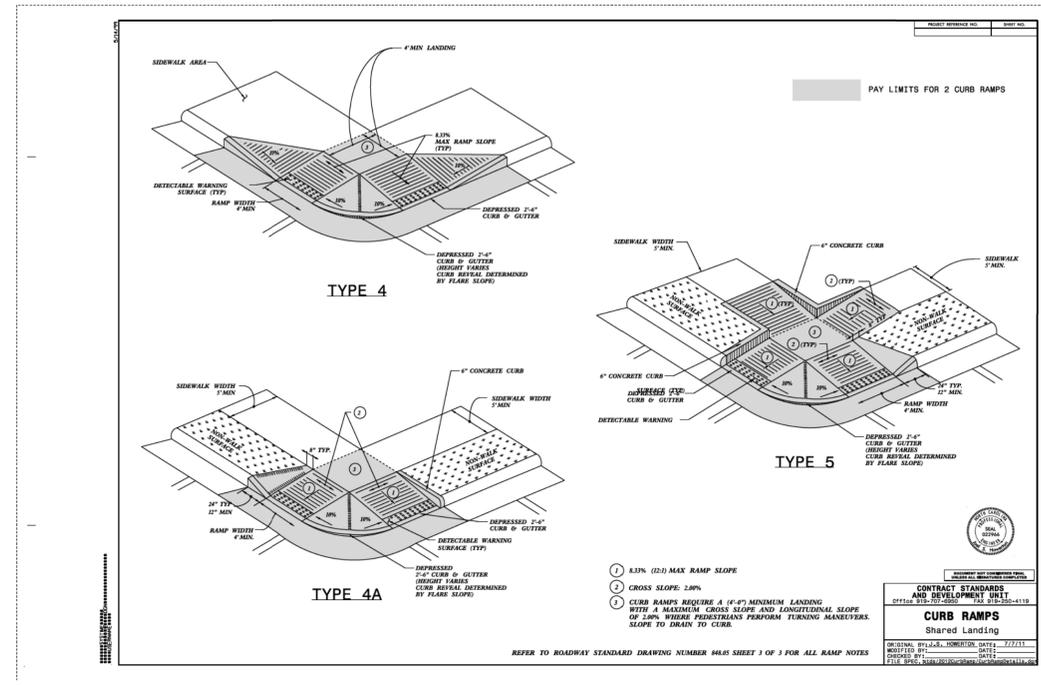
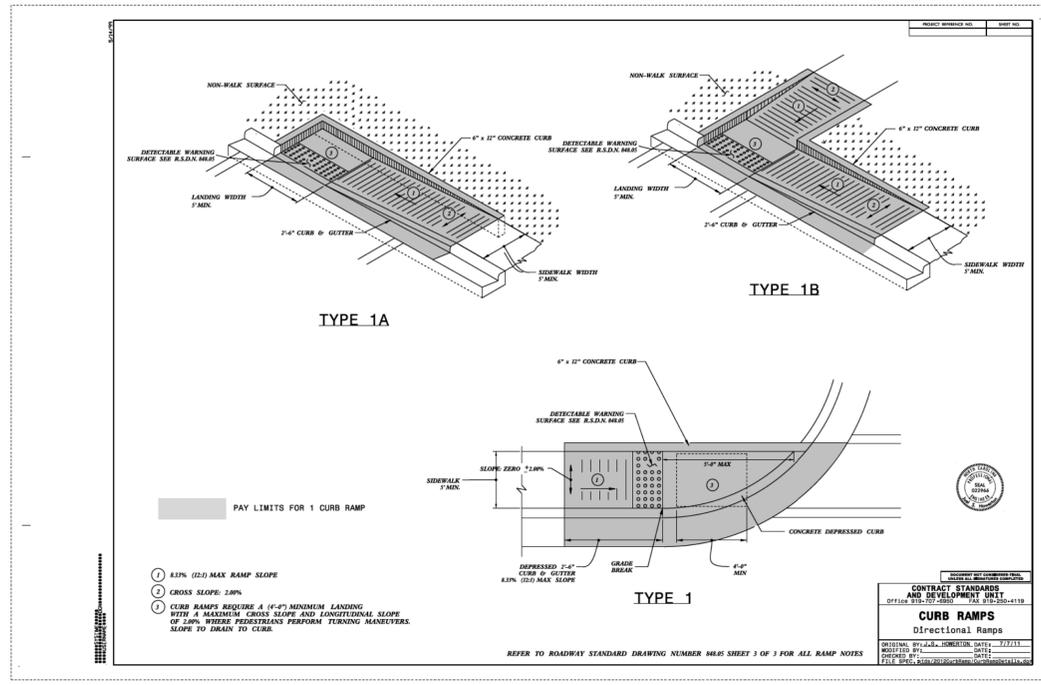
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PLAN SHEETS FOR JACKSON COUNTY

I:\1683600-03\R-57944\Roadway\Proj\2019\2019 R-5794H District 1\Combined_SHT_1A.dgn
cidw

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional Engineer Seal for Sierra Haynes, North Carolina, License No. 039867, dated 12/7/2021.



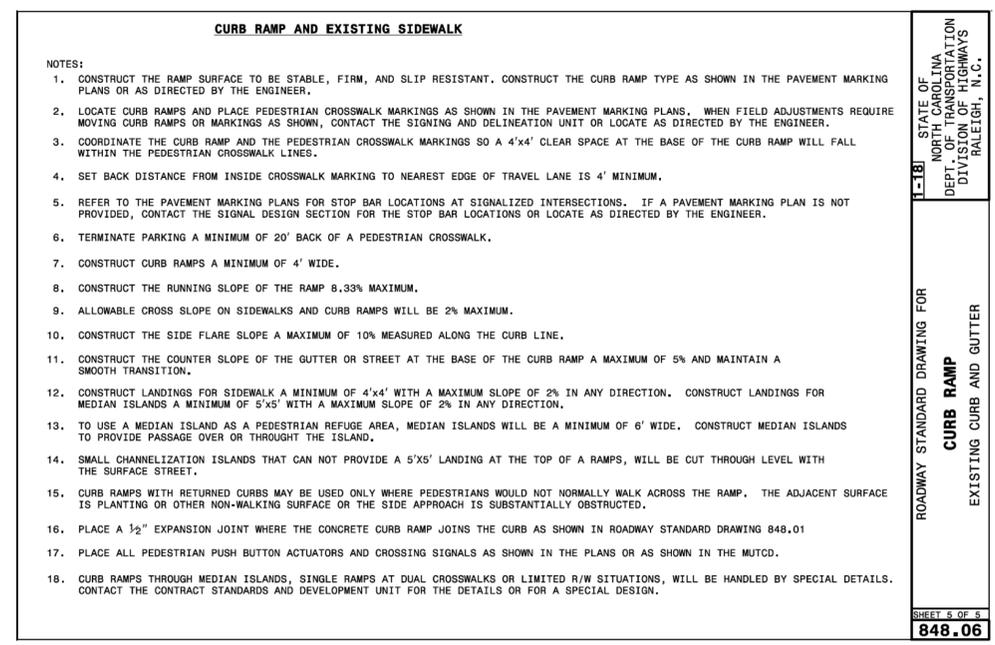
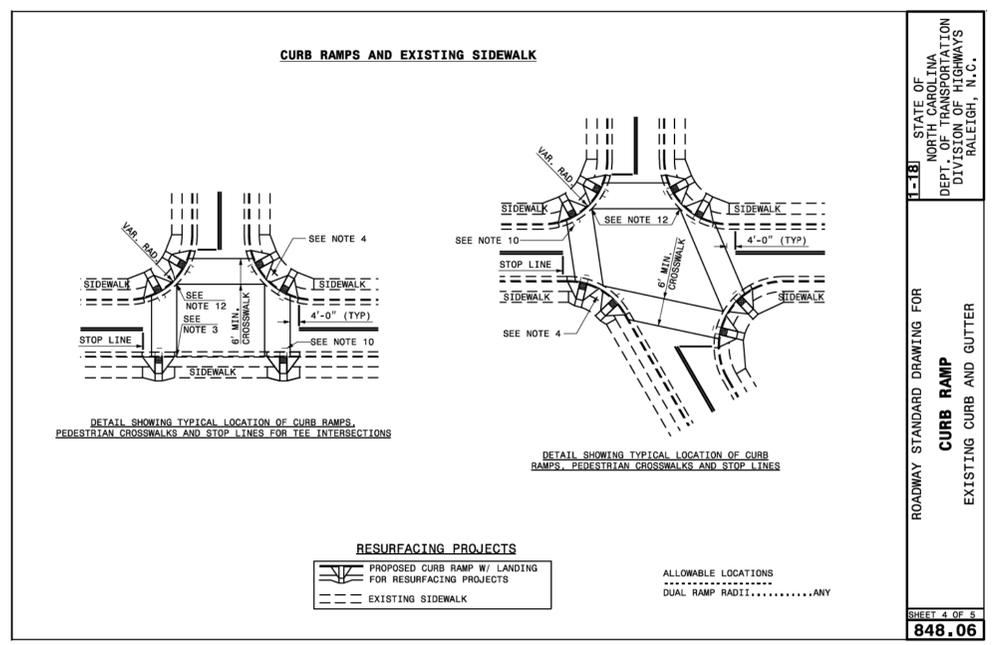
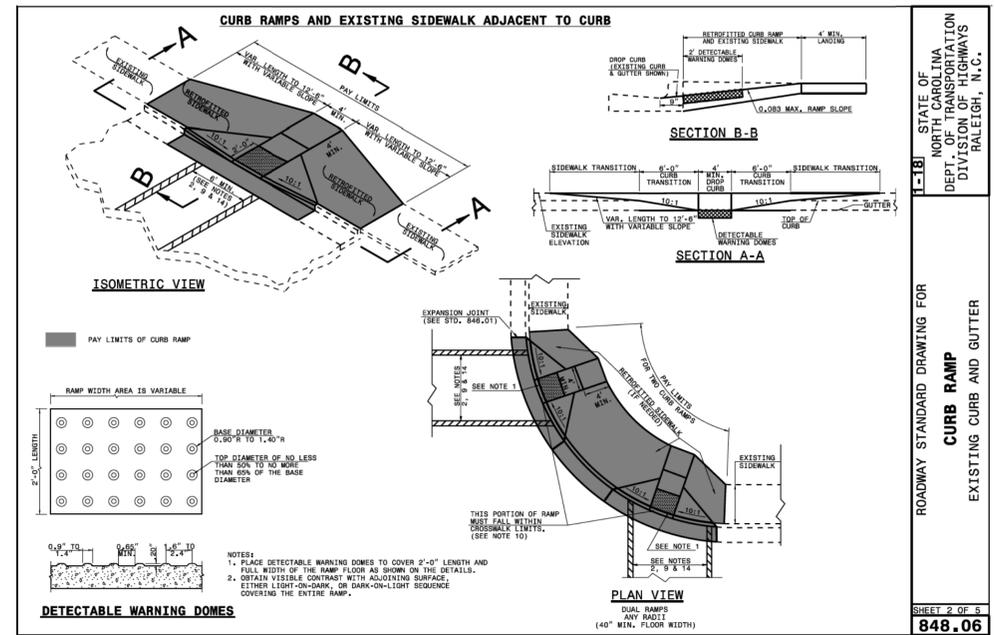
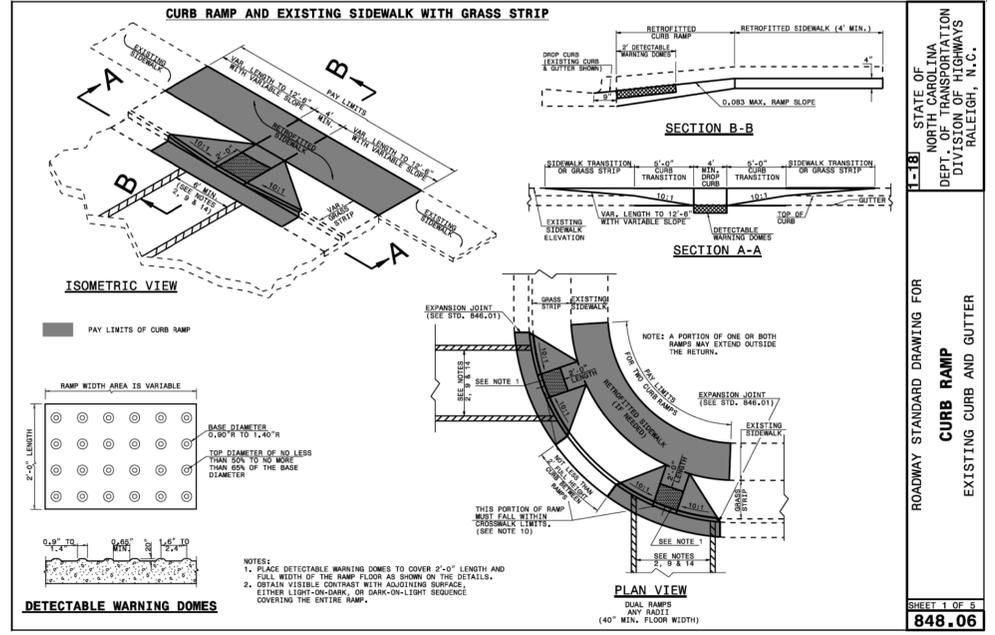
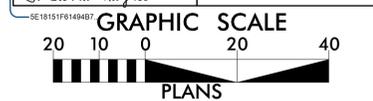
- NOTES: 1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT... 2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS... 3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS... 4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM... 5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS... 6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK... 7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE... 8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM... 9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM... 10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE... 11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION... 12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION... 13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE... 14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET... 15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP... 16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB... 17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS... 18. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C. ROADWAY STANDARD DRAWING FOR CURB RAMPS NOTES SHEET 3 OF 3 848.05

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

ROADWAY DESIGN ENGINEER

12/17/2021

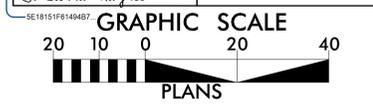


PLAN SHEETS FOR TRANSYLVANIA COUNTY

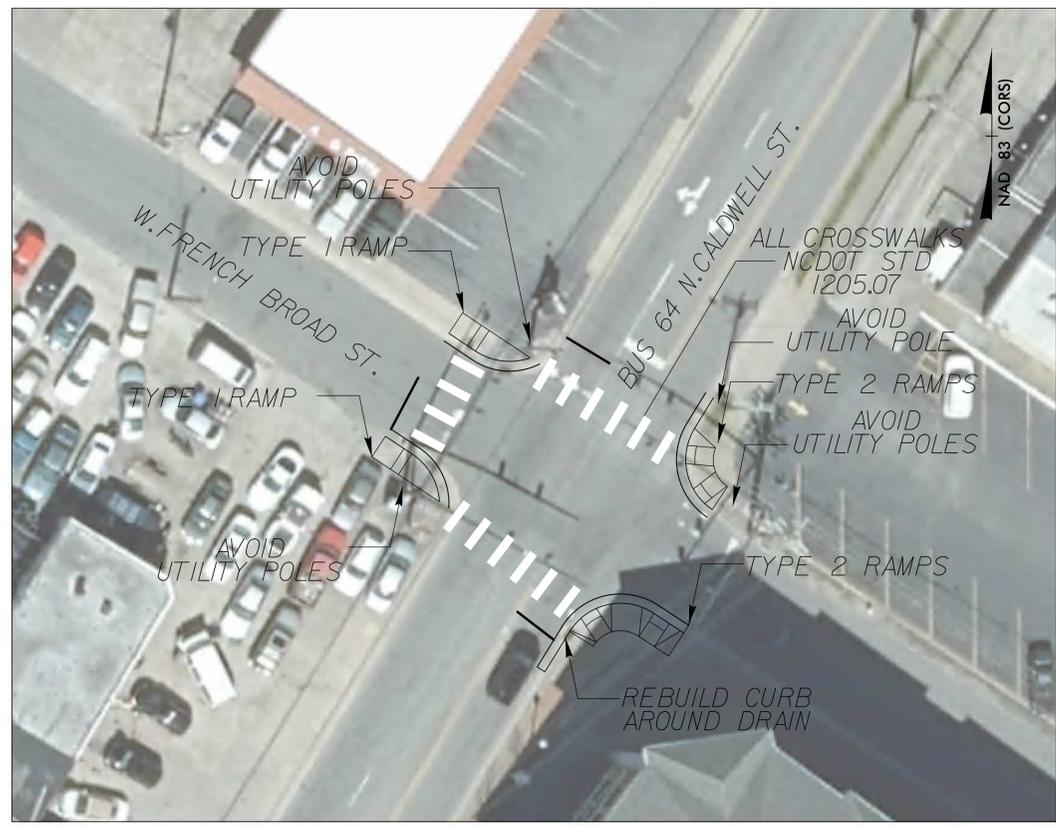
wsp 1001 MOREHEAD SQUARE DRIVE
 SUITE 610
 CHARLOTTE, NC 28203
 NC LIC. NO. F-0165

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PROJECT REFERENCE NO. R-5794H	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
12/17/2021	



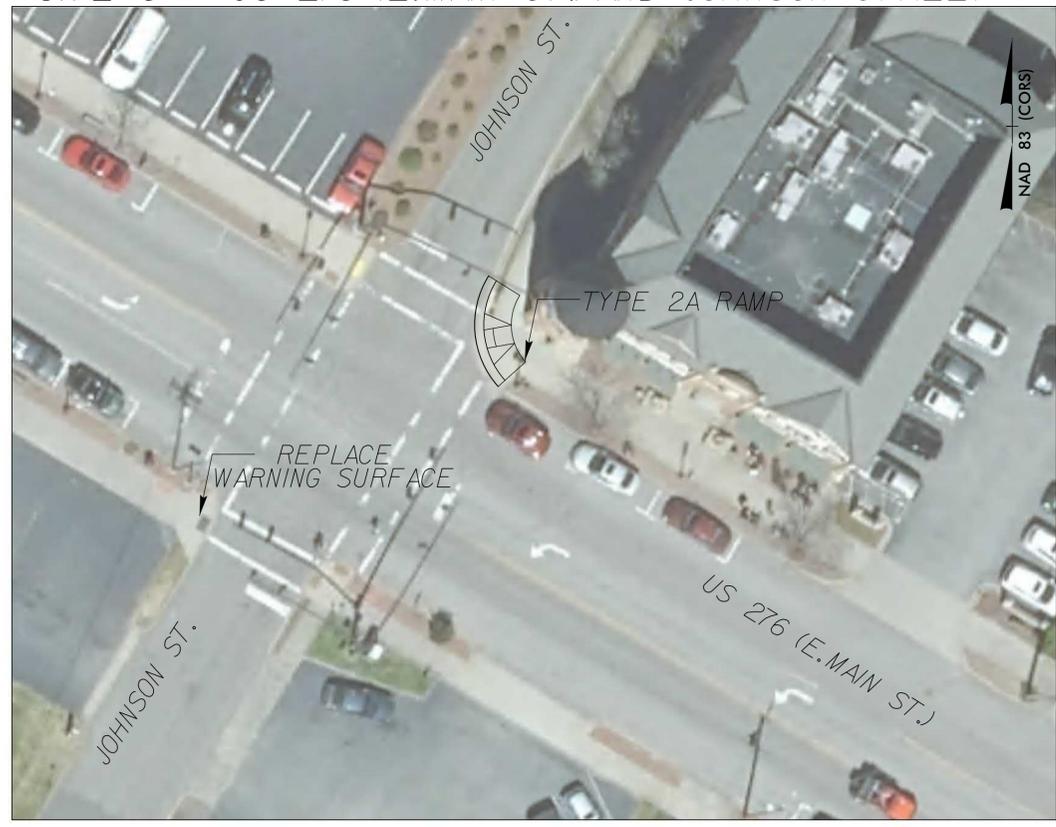
SITE 1 - FRENCH BROAD STREET AND BUS.64 (CALDWELL ST.)



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SITE 3 - US 276 (E.MAIN ST.) AND JOHNSON STREET



SITE 4 - US 276 (E.MAIN ST.) AND RICE STREET



SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS

PLAN SHEETS FOR TRANSYLVANIA COUNTY

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

**DOCUMENT NOT CONSIDERED FINAL
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PROJECT REFERENCE NO. R-5794H	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
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SITE 5 - US 276 (E.MAIN ST.) AND PHILIPS LANE



SITE 6 - US 276 (E.MAIN ST.) AND FRANKLIN STREET



SITE 7 - US 276 (E.MAIN ST.) AND WOODSIDE DRIVE



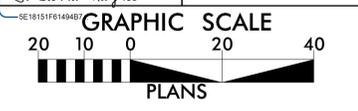
SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS

PLAN SHEETS FOR HENDERSON COUNTY

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

**DOCUMENT NOT CONSIDERED FINAL
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PROJECT REFERENCE NO. R-5794H	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
12/17/2021	



SITE 8 - NC 191 (HAYWOOD ROAD) AND CALVARY BAPTIST



SITE 9 - NC 191 (HAYWOOD ROAD) AND BRIDGETTE LOOP ROAD



SITE 10 - BUS.25 (N CHURCH STREET) AND US 64 (W.7TH AVENUE)



SITE 11 - US 64 (7TH AVENUE) AND N.GROVE STREET / 7TH AVENUE



SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS

PLAN SHEETS FOR HENDERSON COUNTY

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

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PROJECT REFERENCE NO. R-5794H	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
12/17/2021	

SITE 12 - SR 1166 (RUTLEDGE ROAD) AT MUDD CREEK BAPTIST CHURCH CROSSWALK



SITE 13 - SR 1172 (1308 & 1310 HEBRON ROAD)



SITE 14 - SR 1172 (HEBRON ROAD) AND S.WHITTED STREET



SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS

PLAN SHEETS FOR HENDERSON COUNTY

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

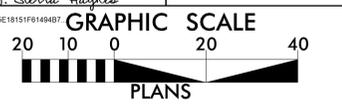
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UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. R-5794H	SHEET NO. 8
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ROADWAY DESIGN ENGINEER



Sierra Haynes



SITE 15 - SR 1172 (600 HEBRON ROAD)



SITE 16 - SR 1172 (HEBRON ROAD) AND SR 1171 (WILLOW ROAD)



SITE 17 - SR 1171 (WILLOW ROAD) AND DAIRY STREET



SITE 18 - SR 1171 (WILLOW ROAD) AND SHORT STREET



SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS

PLAN SHEETS FOR HENDERSON COUNTY

wsp 1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
NC LIC. NO. F-0165

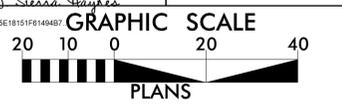
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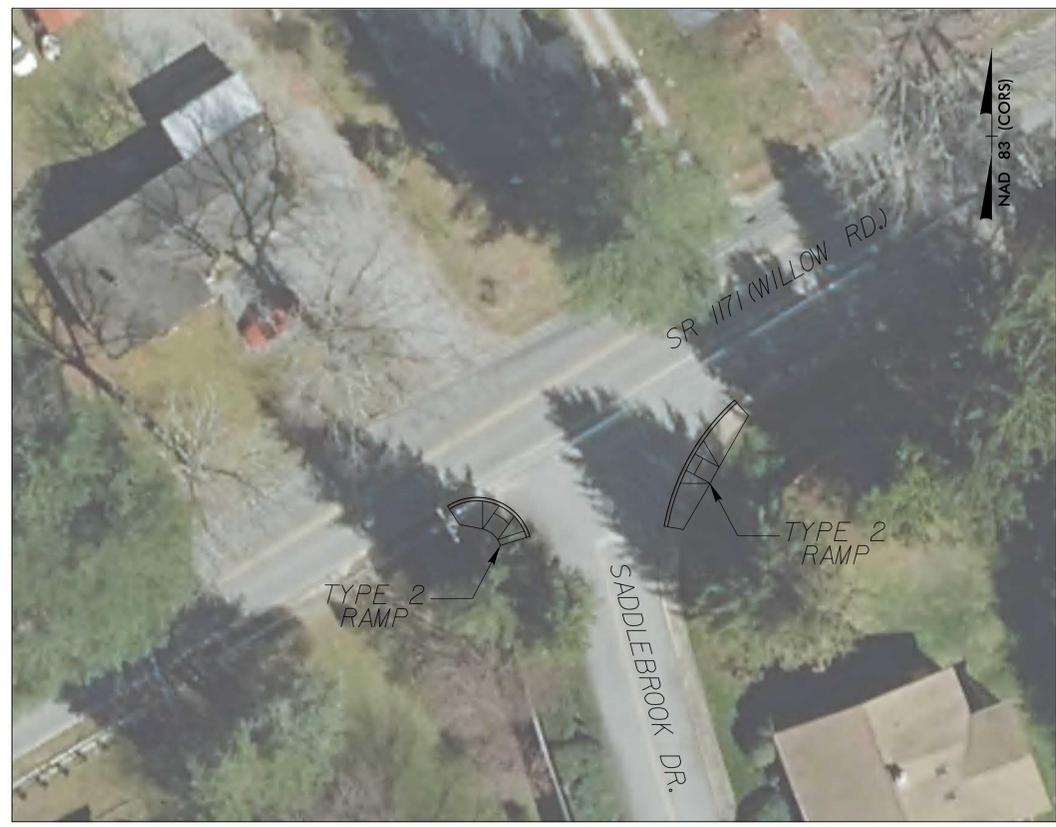
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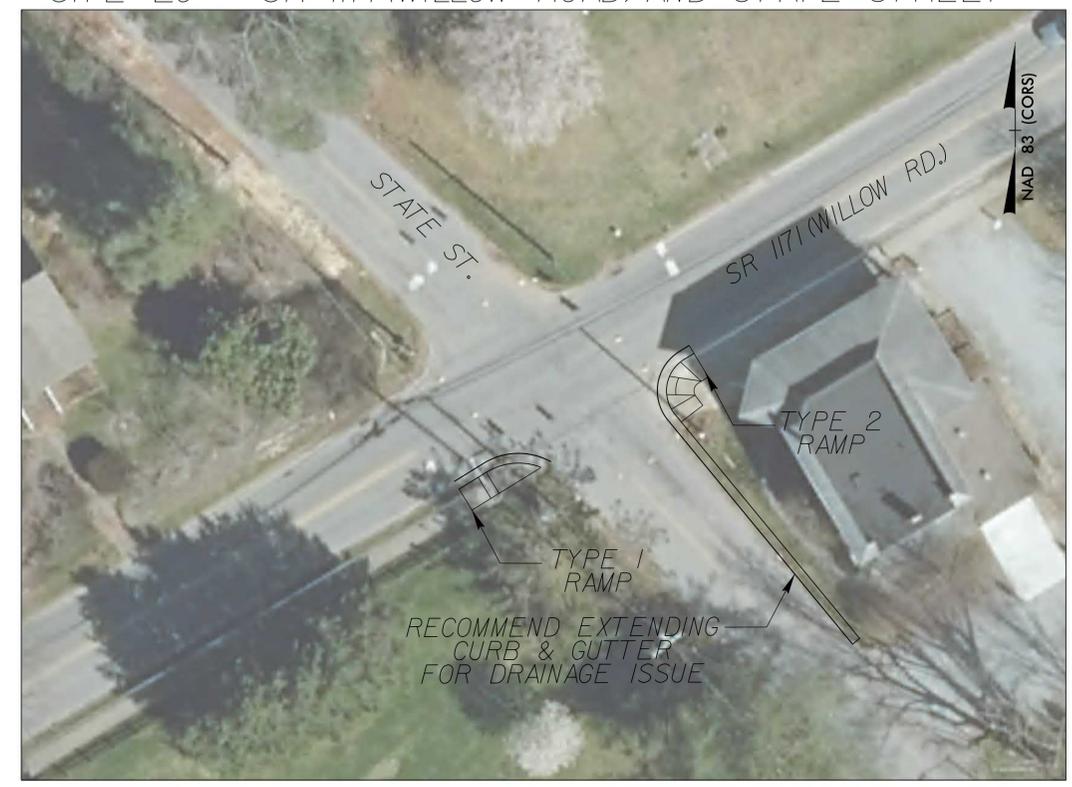
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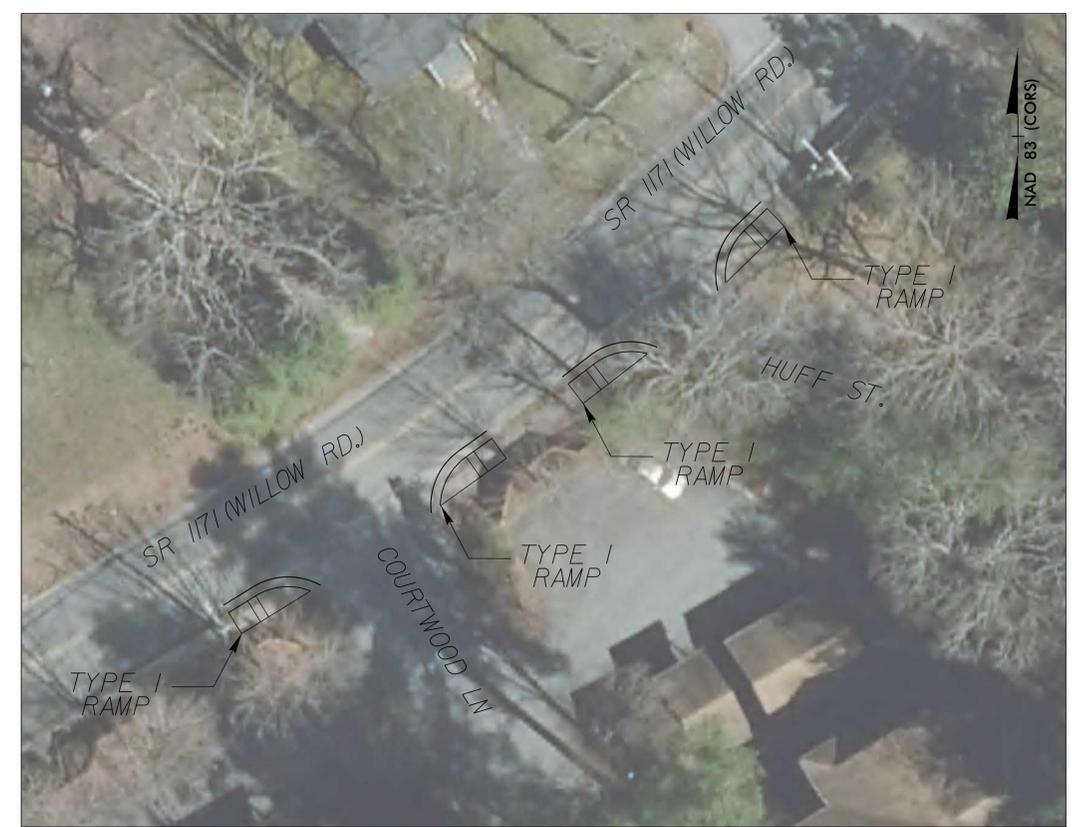
SITE 19 - SR 1171 (WILLOW ROAD) AND SADDLEBROOK DRIVE



SITE 20 - SR 1171 (WILLOW ROAD) AND STATE STREET



SITE 22 - SR 1171 (WILLOW ROAD) AND COURTYARD LANE SR 1171 (WILLOW ROAD) AND HUFF ST.



SITE 21 - SR 1171 (WILLOW ROAD) AND MOUNTAIN VIEW



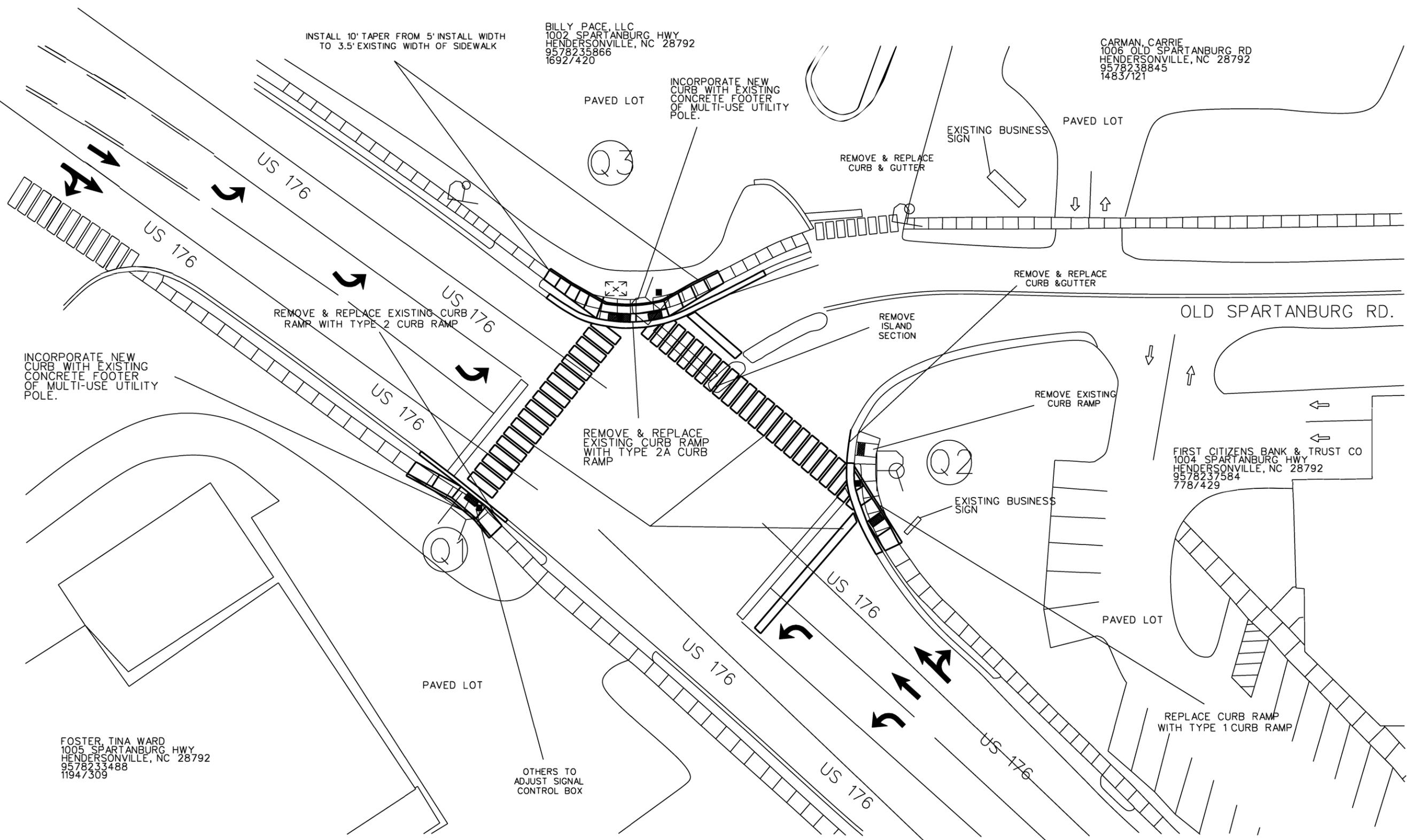
SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS

INTERSECTION 1

R-5794H US176 AT OLD SPARTANBURG ROAD

BILLY PACE, LLC
 1002 SPARTANBURG HWY
 HENDERSONVILLE, NC 28792
 9578235866
 1692/420

CARMAN, CARRIE
 1006 OLD SPARTANBURG RD
 HENDERSONVILLE, NC 28792
 9578238845
 1483/121



INSTALL 10' TAPER FROM 5' INSTALL WIDTH TO 3.5' EXISTING WIDTH OF SIDEWALK

PAVED LOT

INCORPORATE NEW CURB WITH EXISTING CONCRETE FOOTER OF MULTI-USE UTILITY POLE.

REMOVE & REPLACE CURB & GUTTER

EXISTING BUSINESS SIGN

PAVED LOT

REMOVE & REPLACE CURB & GUTTER

OLD SPARTANBURG RD.

INCORPORATE NEW CURB WITH EXISTING CONCRETE FOOTER OF MULTI-USE UTILITY POLE.

REMOVE & REPLACE EXISTING CURB RAMP WITH TYPE 2 CURB RAMP

REMOVE ISLAND SECTION

REMOVE EXISTING CURB RAMP

REMOVE & REPLACE EXISTING CURB RAMP WITH TYPE 2A CURB RAMP

FIRST CITIZENS BANK & TRUST CO
 1004 SPARTANBURG HWY
 HENDERSONVILLE, NC 28792
 9578237584
 778/429

PAVED LOT

OTHERS TO ADJUST SIGNAL CONTROL BOX

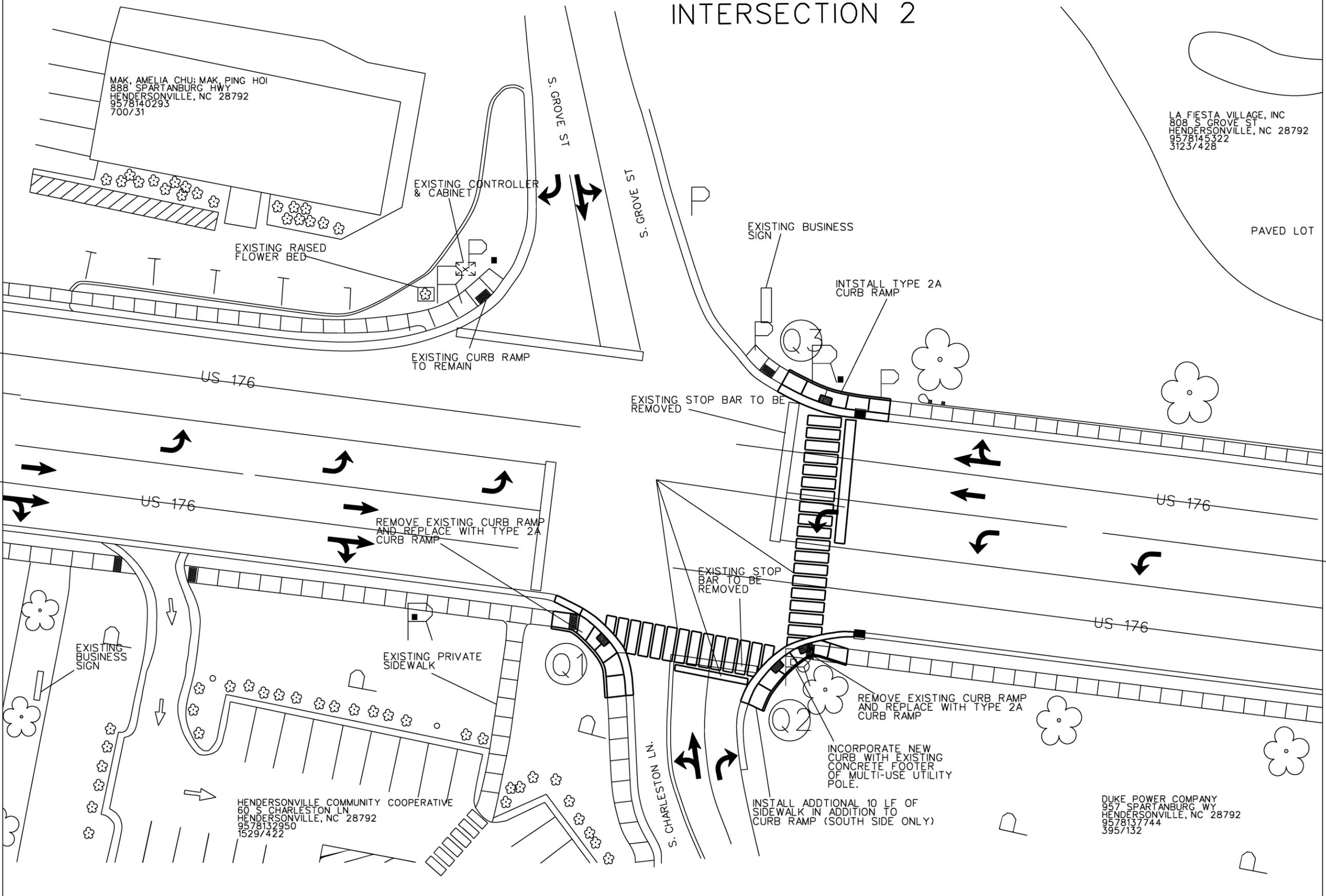
PAVED LOT

REPLACE CURB RAMP WITH TYPE 1 CURB RAMP

FOSTER, TINA WARD
 1005 SPARTANBURG HWY
 HENDERSONVILLE, NC 28792
 9578233488
 1194/309

INTERSECTION 2

R-5794H US176 AT OLD SPARTANBURG ROAD



MAK, AMELIA CHU; MAK, PING HOI
888 SPARTANBURG HWY
HENDERSONVILLE, NC 28792
9578140293
700/31

LA FIESTA VILLAGE, INC
808 S GROVE ST
HENDERSONVILLE, NC 28792
9578145322
3123/428

HENDERSONVILLE COMMUNITY COOPERATIVE
60 S CHARLESTON LN
HENDERSONVILLE, NC 28792
9578132950
1529/422

DUKE POWER COMPANY
957 SPARTANBURG WY
HENDERSONVILLE, NC 28792
9578137744
395/132

