


PROJECT REFERENCE NO. R-5948	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
CLEVELAND COUNTY**

**LOCATION: WASHBURN SWITCH RD AND ACCESS ROADS TO PROPOSED INDUSTRIAL PARK**

**T.I.P.: R-5849**

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.10	RAIL GRADE CROSSINGS RURAL/BUS

**GENERAL NOTES**

- . SIGNS FURNISHED BY CONTRACTOR
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

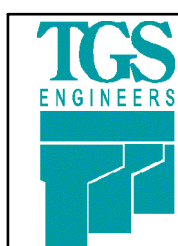
**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	15	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	65	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	160	L.F.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	12	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	4	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	2	EA.

**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE E SIGNS
	TYPE D SIGN DESIGN
SIGN-3-4	SIGNING PLAN SHEETS

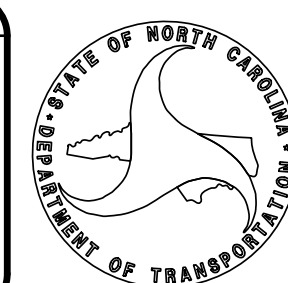
PLANS PREPARED FOR N.C.D.O.T. BY:



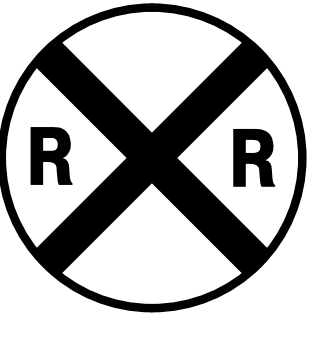
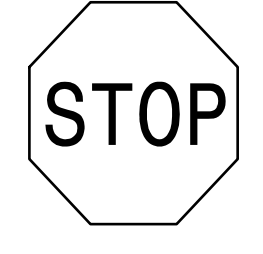
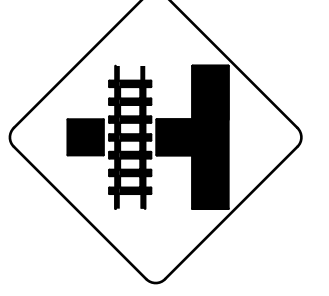
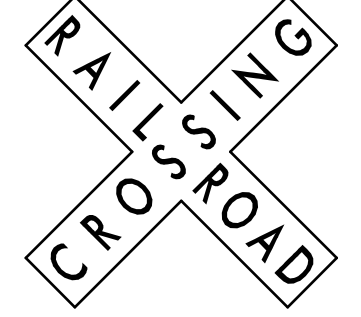
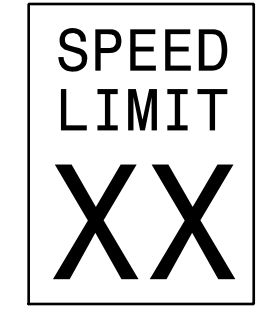
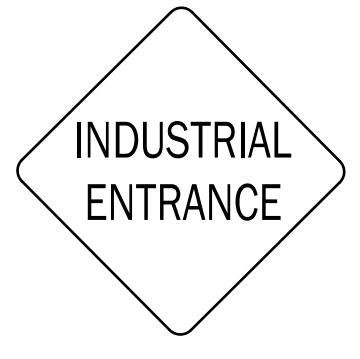
**TGS ENGINEERS**  
804-C N. LAFAYETTE ST  
SHELBY, NC 28150  
PH (704) 476-0003  
CORP. LICENSE NO.: C-0275

JIMMY L. TERRY, PE PROJECT ENGINEER

SANDRA G. MELVIN DESIGN TECHNICIAN



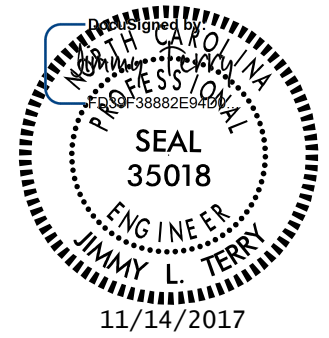
**CONTRACT:**

<p>401 QUANTITY REQ'D <u>1</u></p>  <p>36" DIA. W10-1</p> <p>ONE "U" POST PER SIGN</p>	<p>402 QUANTITY REQ'D <u>5</u></p>  <p>30 X 30 R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>403 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 W10-3</p> <p>ONE "U" POST PER SIGN</p>	<p>404 QUANTITY REQ'D <u>2</u></p>  <p>48 X 9 R15-1</p> <p>MOUNT ABOVE SIGN 402 IN 2 INSTALLATIONS</p>	<p>405 QUANTITY REQ'D <u>1</u></p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>406 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 WB-?</p> <p>ONE "U" POST PER SIGN</p>
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APPROVED: \_\_\_\_\_

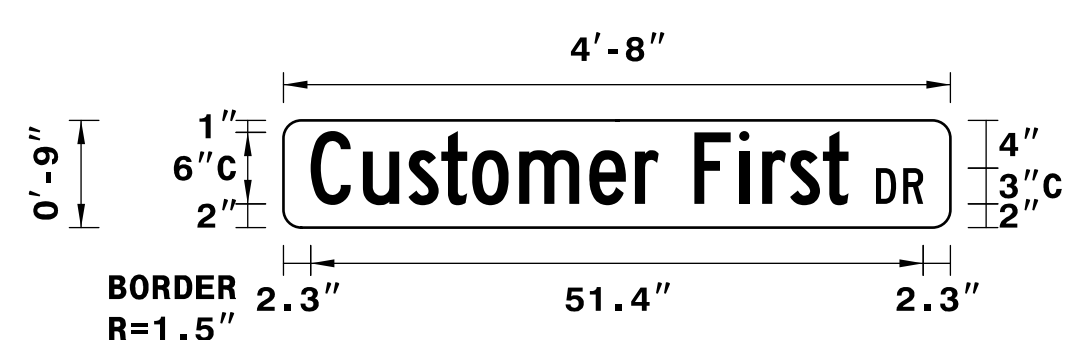
DATE: \_\_\_\_\_

SEAL



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<p>407 QUANTITY REQ'D <u>1</u></p>  <p>18 X 18 W13-1P</p> <p>MOUNT BELOW SIGN 406 IN 1 INSTALLATION</p>					
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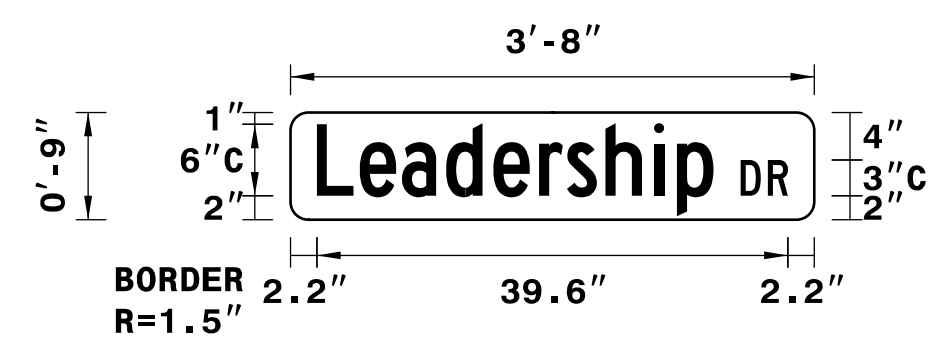
<p><b>SIGN NUMBER:</b> name TYPE: D QUANTITY: 2</p> <p><b>BACKG COLOR:</b> Green <b>COPY COLOR:</b> Green</p> <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>SIGN WIDTH: 4'-8" HEIGHT: 0'-9" TOTAL AREA: 3.5 Sq.Ft.</p> <p><b>BORDER TYPE:</b> FLUSH RECESS: 0" WIDTH: 0" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p> <p>MAT'L: 0.125" (3.2 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																										<p><b>DESIGN BY:</b> none <b>PROJECT ID:</b> ID</p> <p><b>CHECKED BY:</b> _____ <b>LOCATION:</b> _____</p> <p>Aug 31, 2017 DIV: DIV</p>	 <p><b>Panel Style:</b> Street Name 6-3in no border.ssi <b>M.U.T.C.D.:</b> 2009 Edition</p> <p>Spacing Factor is 1 unless specified otherwise</p>
SYMBOL	X	Y	WID	HT																												

**LETTER POSITIONS**

Letter locations are panel edge to lower left corner

Letter	C	u	s	t	o	m	e	r	F	i	r	s	t	Series/Size	Text Length	
C	2.3	6.7	10.5	13.3	15.8	19.8	25.7	29.5	31.5	34.5	38.3	40.2	42.5	45.3	C 2000	45.2
D	49.8	52													C 2000	4

FILENAME: R-5849\_Sgn\_SGN\_DESIGN NORTH CAROLINA D.O.T. SIGN DETAIL

<p><b>SIGN NUMBER:</b> name TYPE: D QUANTITY: 2</p> <p><b>BACKG COLOR:</b> Green <b>COPY COLOR:</b> Green</p> <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>SIGN WIDTH: 3'-8" HEIGHT: 0'-9" TOTAL AREA: 2.8 Sq.Ft.</p> <p><b>BORDER TYPE:</b> FLUSH RECESS: 0" WIDTH: 0" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p> <p>MAT'L: 0.125" (3.2 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																										<p><b>DESIGN BY:</b> SGM <b>PROJECT ID:</b> R-5849</p> <p><b>CHECKED BY:</b> _____ <b>LOCATION:</b> Washburn Switch Business Park, Shelby, NC</p> <p>Aug 31, 2017 DIV: DIV</p>	 <p><b>Panel Style:</b> Street Name 6-3in no border.ssi <b>M.U.T.C.D.:</b> 2009 Edition</p> <p>Spacing Factor is 1 unless specified otherwise</p>
SYMBOL	X	Y	WID	HT																												

**LETTER POSITIONS**

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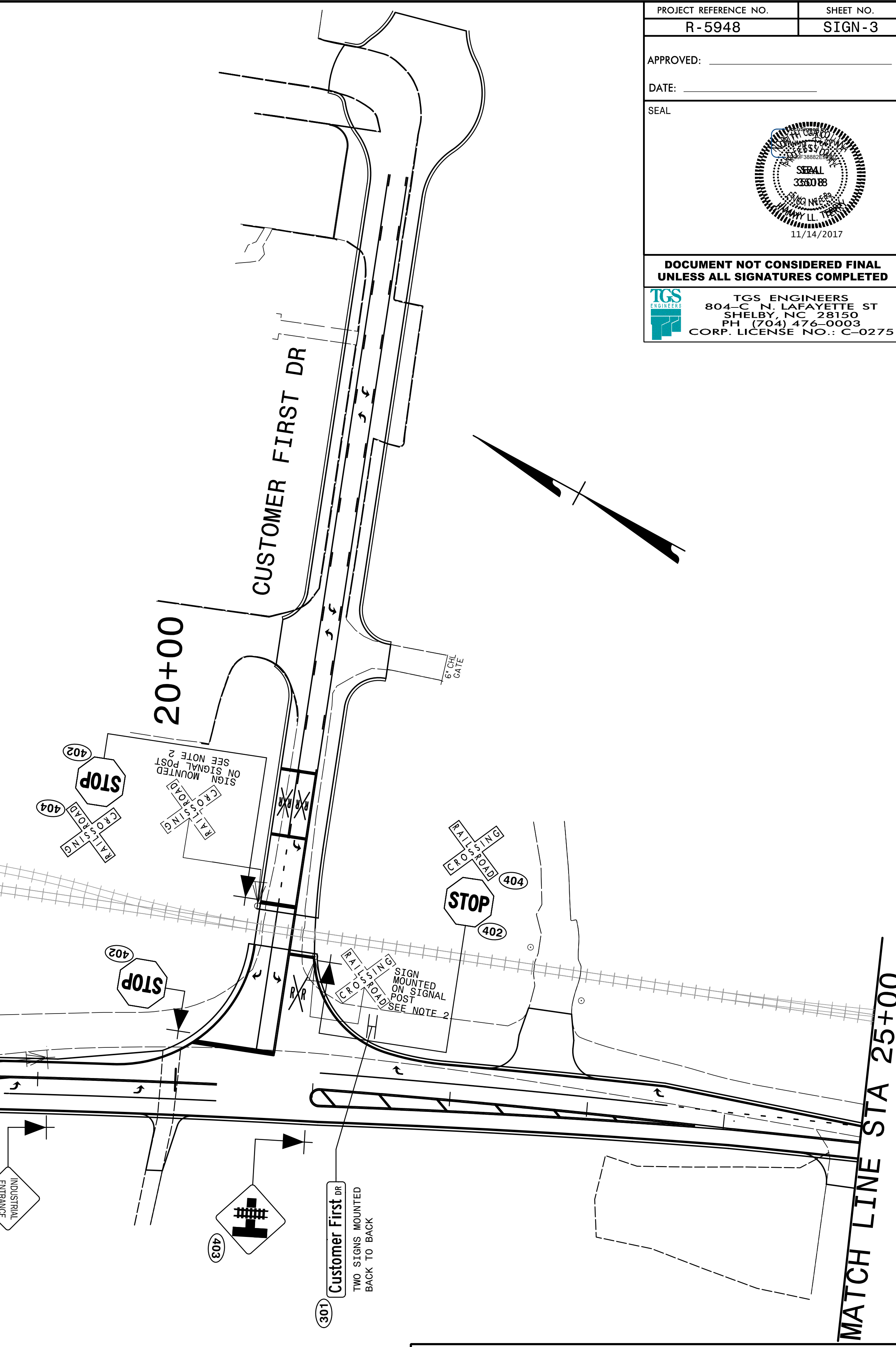
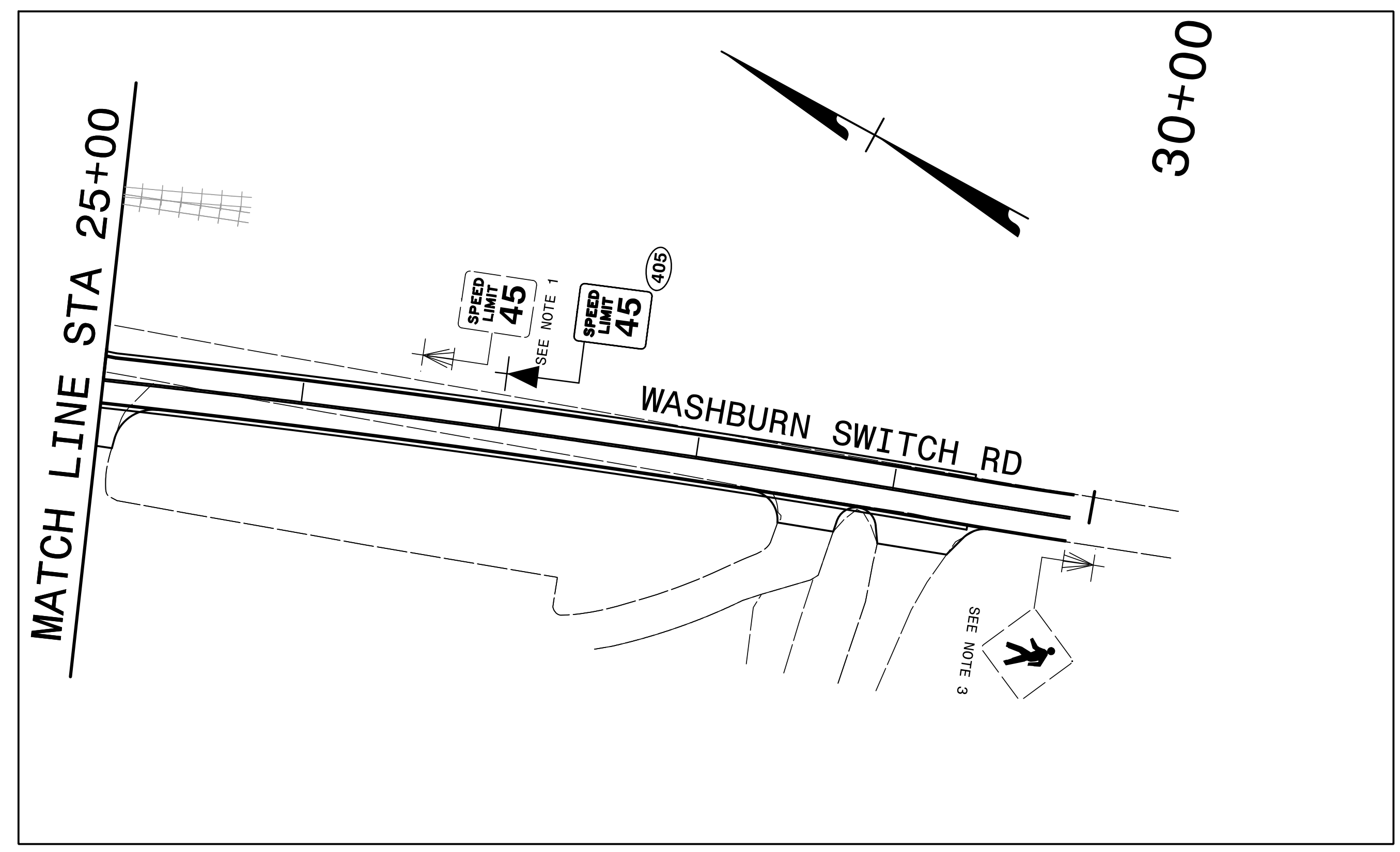
Letter	L	e	a	d	e	r	s	h	i	p	Series/Size	Text Length
L	2.2	5.8	9.4	13.1	17	20.9	23.2	26.5	30.5	32.5	C 2000	33.3
D	37.8	40.1									C 2000	4

FILENAME: R-5849\_Sgn\_SGN\_DESIGN NORTH CAROLINA D.O.T. SIGN DETAIL

**TYPE "E" SIGNS  
TYPE "D" SIGN DESIGN**

10/12/2017  
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 User: jsm1111

PROJECT REFERENCE NO. R-5948	SHEET NO. SIGN-3
APPROVED: _____	
DATE: _____	
SEAL	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	




- PROJECT NOTES**
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
  - DISPOSAL OF SIGN, D, E OR F
  - RETAIN SIGN SYSTEM

**EXISTING AND PROPOSED SIGNS  
WASHBURN SWITCH RD  
CUSTOMER FIRST DR**

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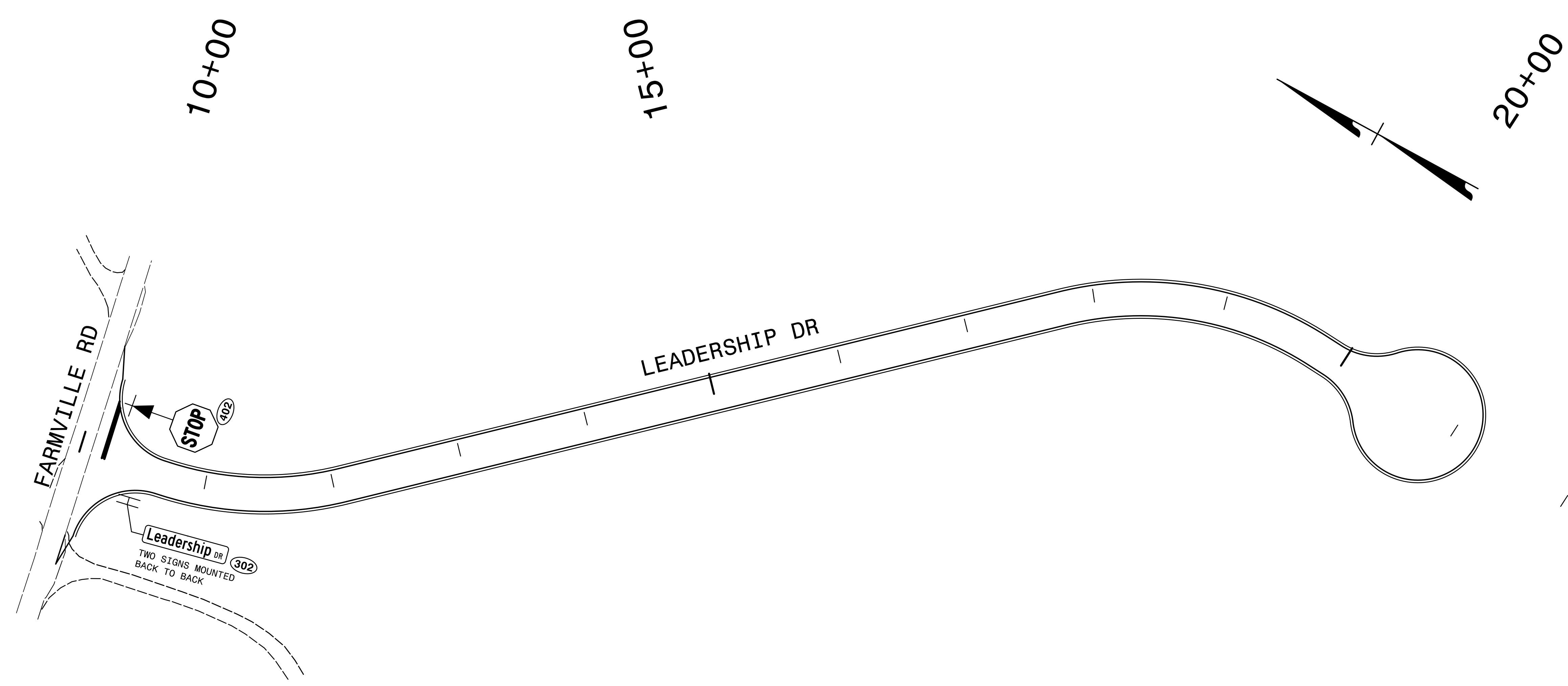
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 SHELBY, NC 28150  
 PH (704) 476-0003  
 CORP. LICENSE NO.: C-0275



10/12/2017  
 X:\County Projects\Cleveland County\Washburn Switch Business Park\Traffic\Signing\CADD\Signing Layout Plans\R-5849\_SGN\_SGN\_04.dgn  
 jstern@tgs.com

**PROPOSED SIGNS  
 LEADERSHIP DR**