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09/08/99

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols

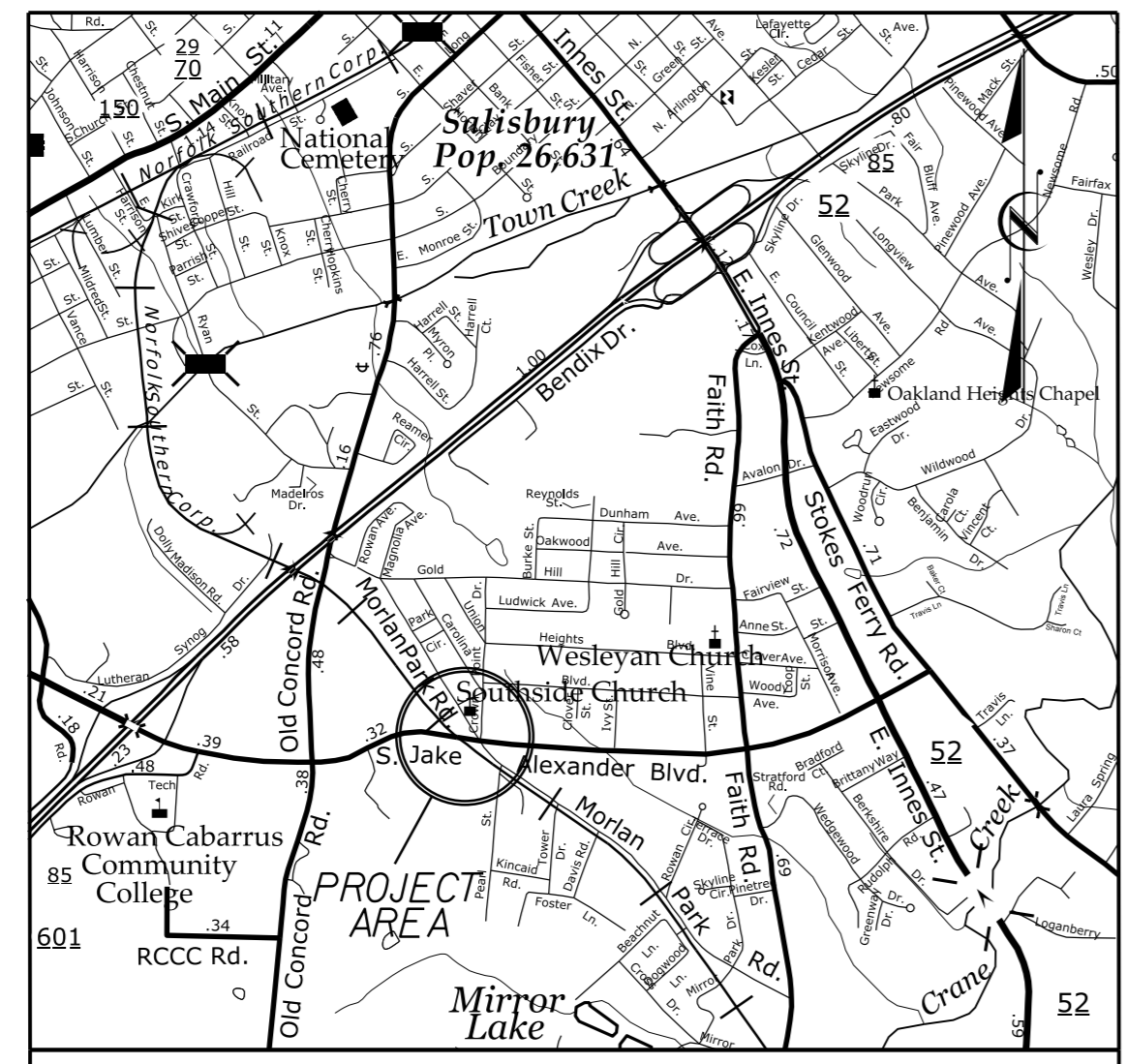
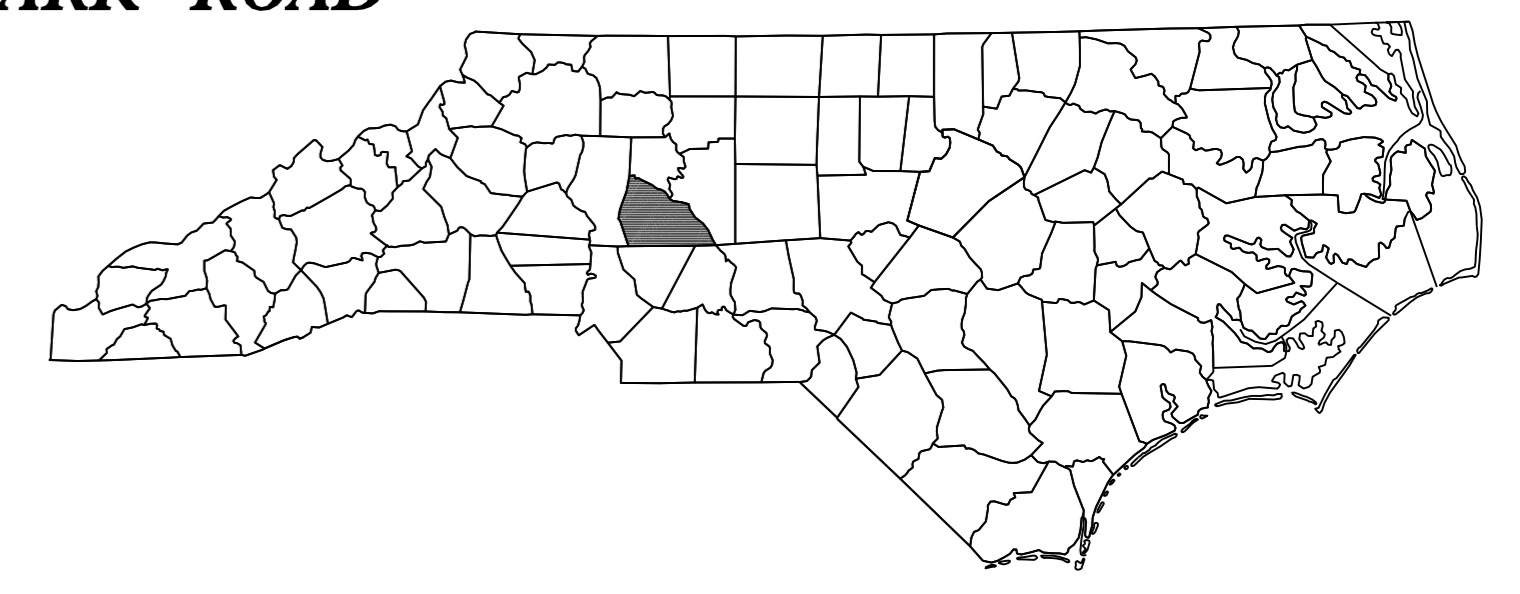
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROWAN COUNTY

**LOCATION: SR 1007 (JAKE ALEXANDER BLVD) AT MORLAN PARK ROAD
IN SALISBURY.**

TYPE OF WORK: PAVING, PAVEMENT MARKINGS, SIGNING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601DZ	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50138.1.128	N/A	PE	
N/A	N/A	RWUTILS	
50138.3.128	N/A	CONST	

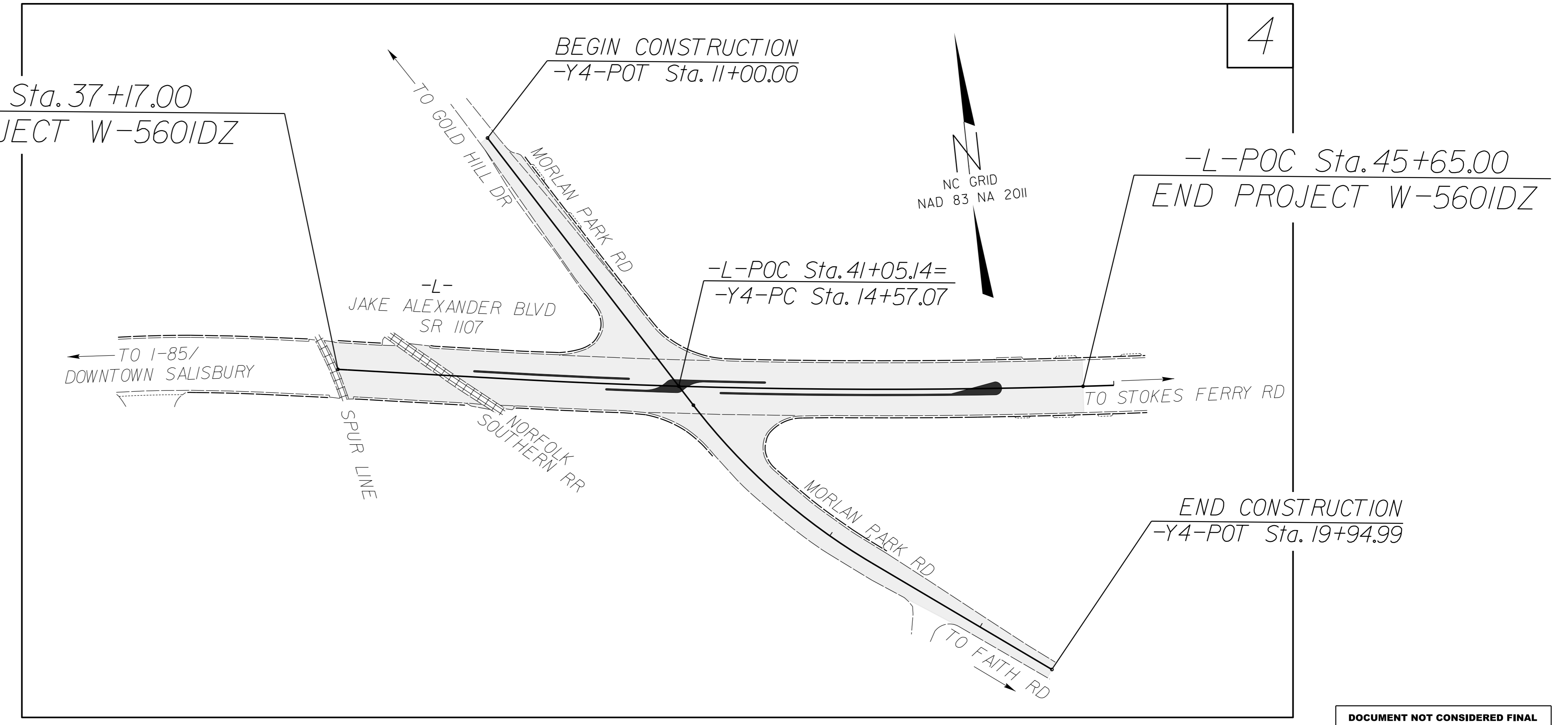


VICINITY MAP - NOT TO SCALE

TIP PROJECT: W-5601DZ

CONTRACT: DI00153

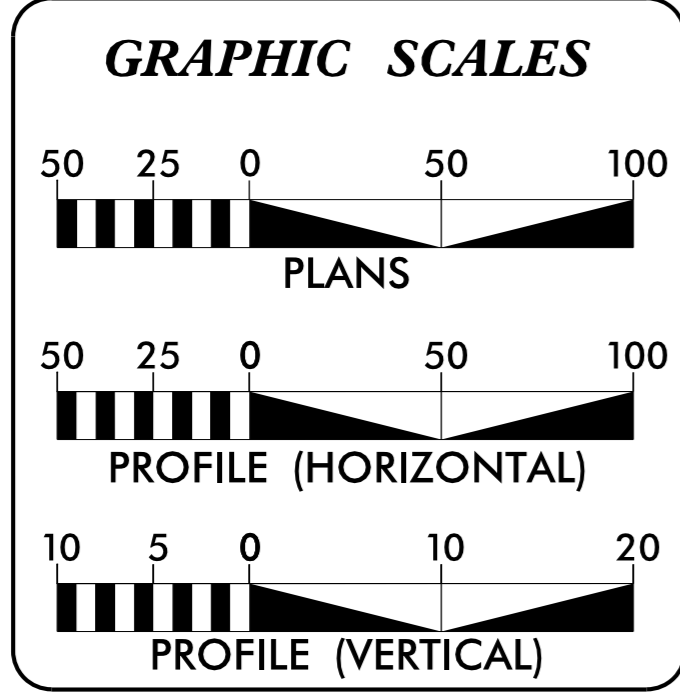
-L-POS Sta. 37+17.00
BEGIN PROJECT W-5601DZ



-L-POC Sta. 45+65.00
END PROJECT W-5601DZ

END CONSTRUCTION
-Y4-POT Sta. 19+94.99

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



DESIGN DATA

2013 AADT = 14000
POSTED SPEED = 45 MPH

FUNC CLASS =
MINOR ARTERIAL
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT W-5601DZ = 0.161 MILE
TOTAL LENGTH TIP PROJECT W-5601DZ = 0.161 MILE

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: FEBRUARY 22, 2017

J. BRETT ABERNATHY, PE, PLS
PROJECT ENGINEER

W. AL BLANTON, PE, PLS
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

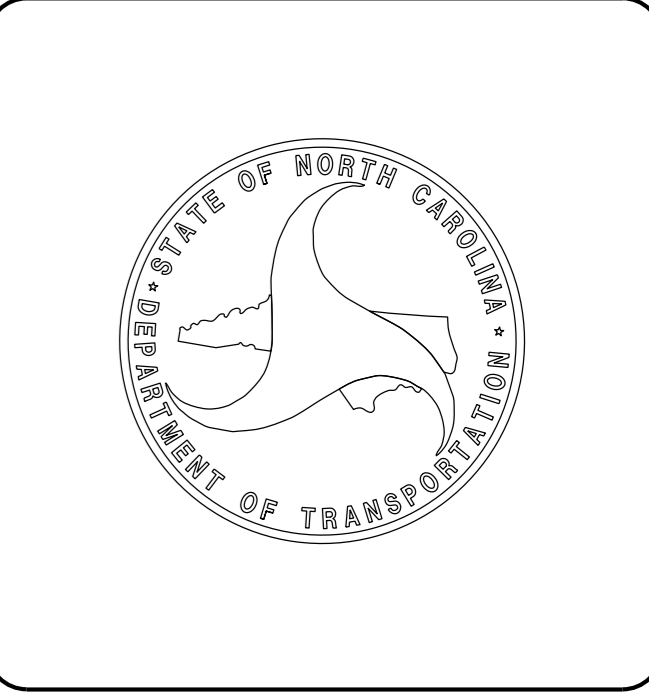
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SIGNATURE: _____

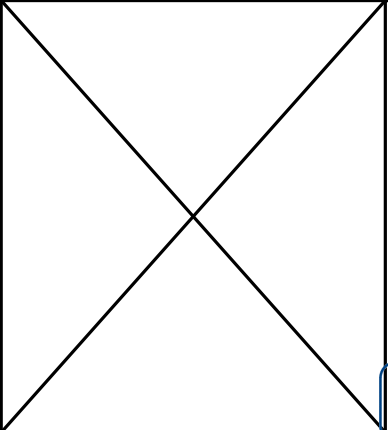
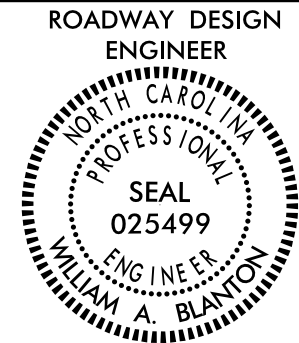
ROADWAY DESIGN ENGINEER

Seal: WILLIAM A. BLANTON, ENGINEER, SEAL 025499

DocuSigned by: William A. Blanton 1/9/2017



09-JAN-2017 09:31
S:\DDC\2016-10-W5601DZ-JakeAlexander-MorlanPark\w5601dz-ddc.tsh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

PROJECT REFERENCE NO. <i>W-5601DZ</i>	SHEET NO. <i>L-A</i>
	ROADWAY DESIGN ENGINEER  Documented by: <i>William A. Blanton</i> 1/9/2017
	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C-1	SURVEY CONTROL SHEETS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
4	PLAN AND PROFILE SHEET
TMP-1 THRU TMP-6	TRAFFIC MANAGEMENT PLANS
PMP-1 THRU PMP-3	PAVEMENT MARKING PLANS
SIGN-1 THRU SIGN-3	SIGNING PLANS

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012
REVISED: 10-31-2014

SUPERELEVATION:
ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SUBSURFACE PLANS:
NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD. NO.	TITLE
DIVISION 2 - EARTHWORK	
225.04	Method of Obtaining Superelevation - Two Lane Pavement
DIVISION 8 - INCIDENTALS	
852.01	Concrete Islands

EFF. 01-17-2012
REV. 02-29-2016

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale *S.U.E. = *Subsurface Utility Engineering*

04/05/15

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Property Corner	----->
Property Monument	□ EDM
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- WLB
Proposed Wetland Boundary	----- WLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB
Existing Historic Property Boundary	----- HPB
Known Contamination Area: Soil	☠ S ☠
Potential Contamination Area: Soil	?? S ??
Known Contamination Area: Water	☠ W ☠
Potential Contamination Area: Water	?? W ??
Contaminated Site: Known or Potential	☠ ☠

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	----->
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	----- FLOW
False Sump	▽

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ CSX TRANSPORTATION MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	----- RW
Proposed Right of Way Line with Iron Pin and Cap Marker	----- RW ▲
Proposed Right of Way Line with Concrete or Granite R/W Marker	----- RW ▲
Proposed Control of Access Line with Concrete CA Marker	----- CA
Existing Control of Access	----- CA
Proposed Control of Access	----- CA
Existing Easement Line	----- E
Proposed Temporary Construction Easement	----- E
Proposed Temporary Drainage Easement	----- TDE
Proposed Permanent Drainage Easement	----- PDE
Proposed Permanent Drainage / Utility Easement	----- DUE
Proposed Permanent Utility Easement	----- PUE
Proposed Temporary Utility Easement	----- TUE
Proposed Aerial Utility Easement	----- AUE
Proposed Permanent Easement with Iron Pin and Cap Marker	----- ◆

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	----- CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	☼
Single Shrub	☼
Hedge	-----
Woods Line	-----

Orchard	☼ ☼ ☼ ☼
Vineyard	□ Vineyard

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- CONC
Bridge Wing Wall, Head Wall and End Wall	----- CONC WW
MINOR:	
Head and End Wall	----- CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	○ S
Storm Sewer	----- S

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊠
Power Transformer	⊠
U/G Power Cable Hand Hole	●
H-Frame Pole	●
U/G Power Line LOS B (S.U.E.*)	----- P
U/G Power Line LOS C (S.U.E.*)	----- P
U/G Power Line LOS D (S.U.E.*)	----- P

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊠
Telephone Cell Tower	⊠
U/G Telephone Cable Hand Hole	●
U/G Telephone Cable LOS B (S.U.E.*)	----- T
U/G Telephone Cable LOS C (S.U.E.*)	----- T
U/G Telephone Cable LOS D (S.U.E.*)	----- T
U/G Telephone Conduit LOS B (S.U.E.*)	----- TC
U/G Telephone Conduit LOS C (S.U.E.*)	----- TC
U/G Telephone Conduit LOS D (S.U.E.*)	----- TC
U/G Fiber Optics Cable LOS B (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS C (S.U.E.*)	----- T FO
U/G Fiber Optics Cable LOS D (S.U.E.*)	----- T FO

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	----- W
U/G Water Line LOS C (S.U.E.*)	----- W
U/G Water Line LOS D (S.U.E.*)	----- W
Above Ground Water Line	----- A/G Water

TV:

TV Pedestal	⊠
TV Tower	⊗
U/G TV Cable Hand Hole	⊠
U/G TV Cable LOS B (S.U.E.*)	----- TV
U/G TV Cable LOS C (S.U.E.*)	----- TV
U/G TV Cable LOS D (S.U.E.*)	----- TV
U/G Fiber Optic Cable LOS B (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS C (S.U.E.*)	----- TV FO
U/G Fiber Optic Cable LOS D (S.U.E.*)	----- TV FO

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	----- G
U/G Gas Line LOS C (S.U.E.*)	----- G
U/G Gas Line LOS D (S.U.E.*)	----- G
Above Ground Gas Line	----- A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
SS Forced Main Line LOS B (S.U.E.*)	----- FSS
SS Forced Main Line LOS C (S.U.E.*)	----- FSS
SS Forced Main Line LOS D (S.U.E.*)	----- FSS

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line LOS B (S.U.E.*)	----- ?UTL
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊠
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

SURVEY CONTROL SHEET W-5601DZ

-L- CENTERLINE COORDINATES

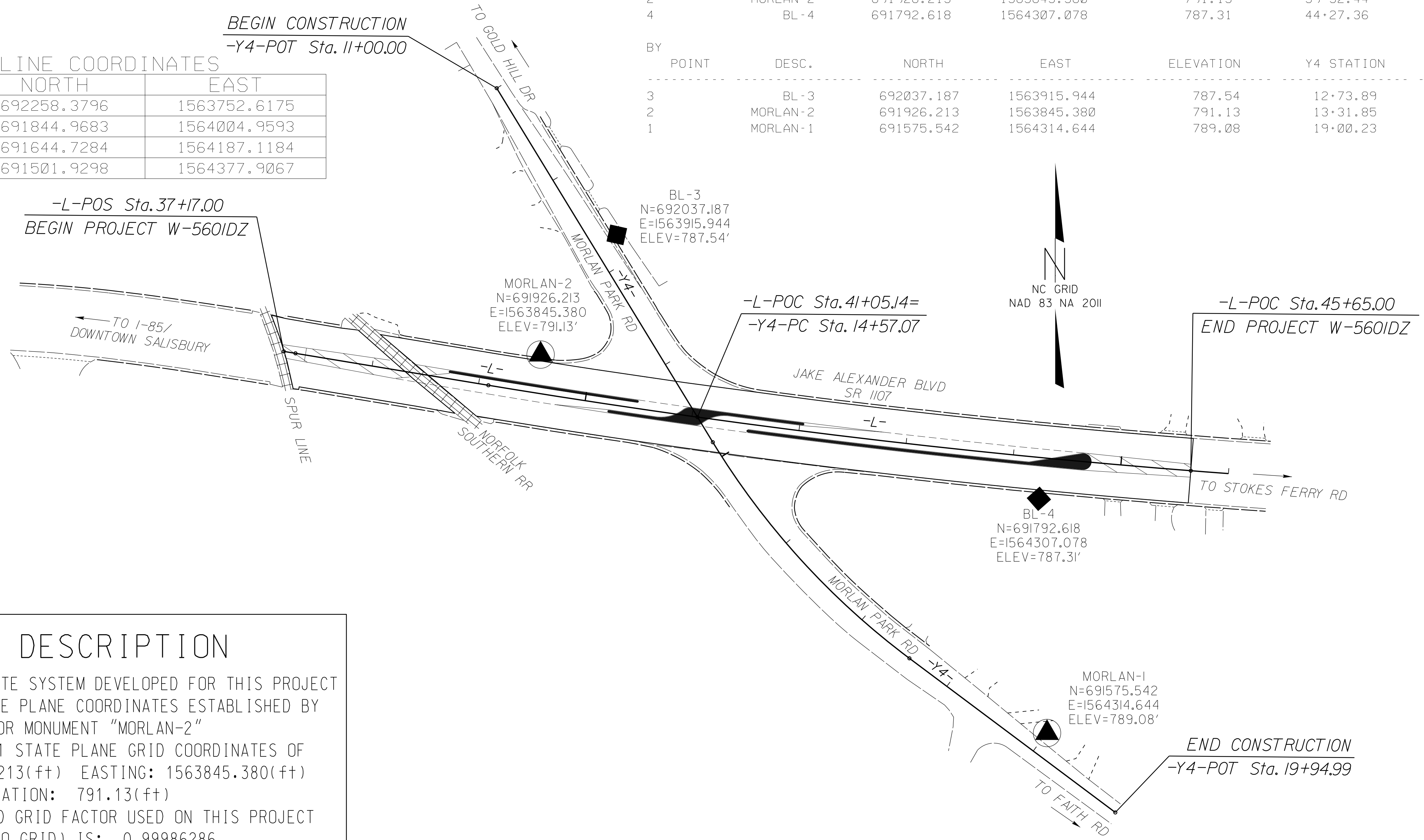
TYPE	STATION	NORTH	EAST
TS	28+29.58	691793.8871	1562753.5831
SC	31+89.58	691933.6677	1563084.5577
CS	33+67.96	691960.8271	1563260.5267
ST	37+27.96	691927.3406	1563618.2438
PC	39+09.13	691897.7620	1563796.9829
PT	47+82.61	691804.6767	1564665.0089

-Y4- CENTERLINE COORDINATES

TYPE	STATION	NORTH	EAST
POT	10+00.00	692258.3796	1563752.6175
PC	14+84.34	691844.9683	1564004.9593
PT	17+56.68	691644.7284	1564187.1184
POT	19+94.99	691501.9298	1564377.9067

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
2	MORLAN-2	691926.213	1563845.380	791.13	39+52.44	35.85 LT
4	BL-4	691792.618	1564307.078	787.31	44+27.36	38.11 RT

BY POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
3	BL-3	692037.187	1563915.944	787.54	12+73.89	24.17 LT
2	MORLAN-2	691926.213	1563845.380	791.13	13+31.85	93.88 RT
1	MORLAN-1	691575.542	1564314.644	789.08	19+00.23	21.03 LT



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "MORLAN-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 691926.213(++) EASTING: 1563845.380(++)
 ELEVATION: 791.13(++)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99986286


THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "MORLAN-2" TO -L- STATION 37+17.00 IS
 N 89°17'52" W 237.97'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

NOTES:

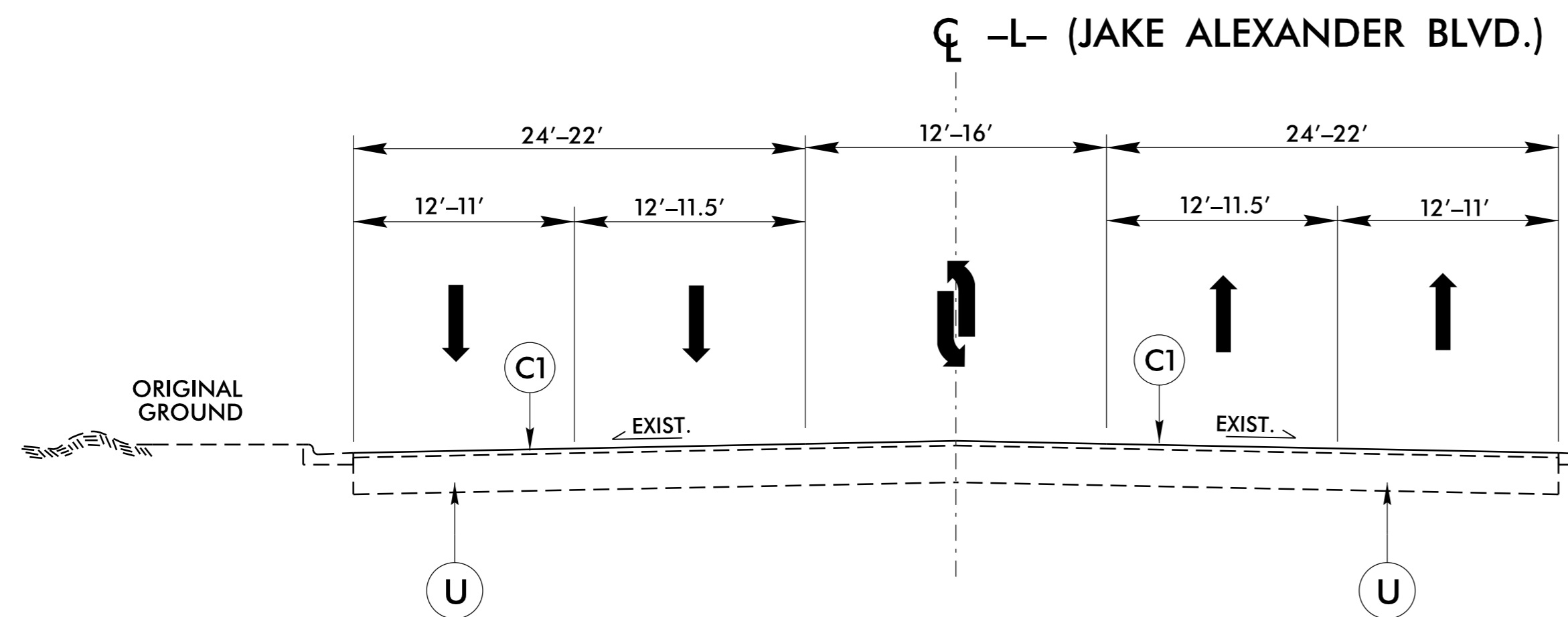
- ▲ INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT DIVISION 9 DDC UNIT.
- PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

NOTE: DRAWING NOT TO SCALE

PROJECT REFERENCE NO. <i>W-5601DZ</i>	SHEET NO. <i>2A-1</i>
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 William A. Blanton 1/9/2017	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

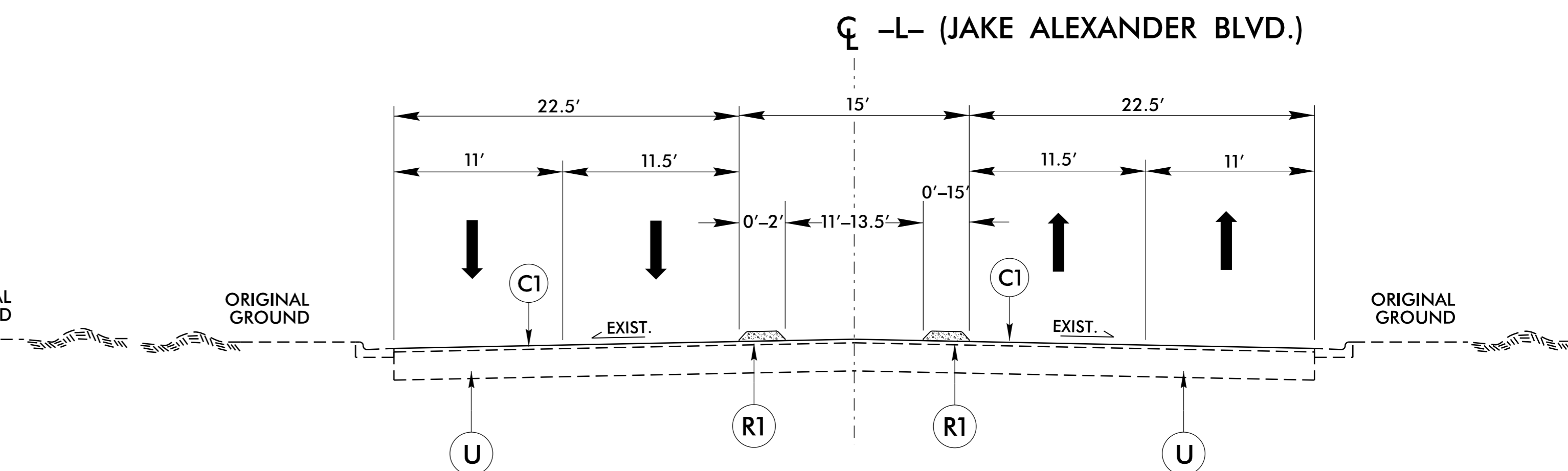
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
R1	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN).
U	EXISTING PAVEMENT.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
SEE PLANS FOR LOCATION OF CONCRETE ISLANDS.



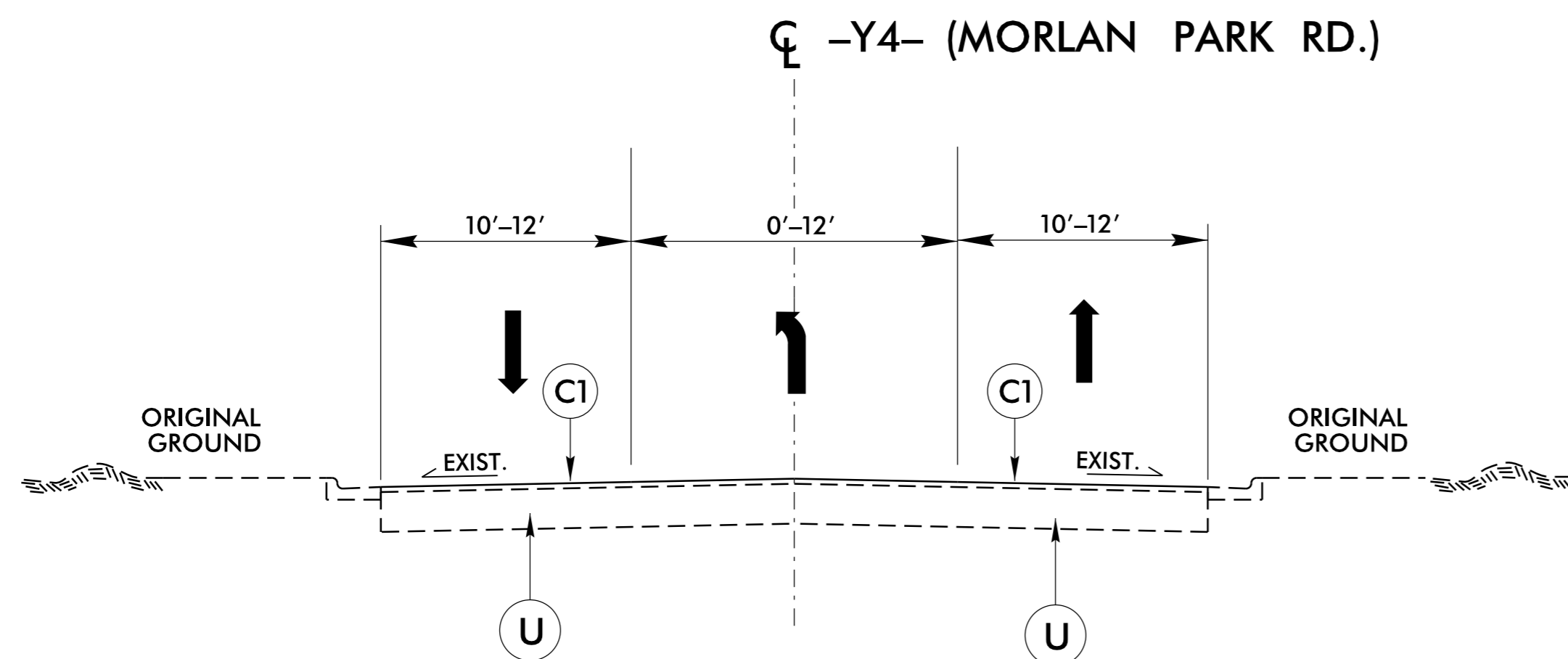
TYPICAL SECTION NO. 1

-L- STA. 37+17 TO STA. 38+71
-L- STA. 44+72.50 TO STA. 45+65
NOTE: MILL 1.5" PRIOR TO APPLYING C1 LAYER.



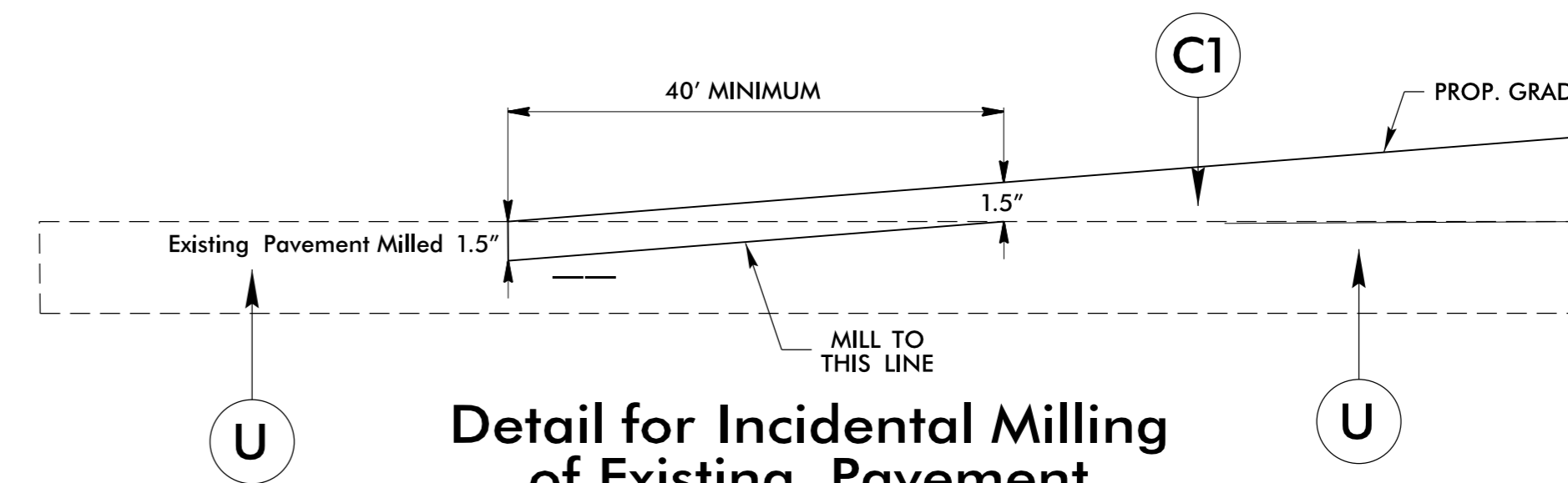
TYPICAL SECTION NO. 2

-L- STA. 38+71 TO STA. 44+72.50
NOTE: MILL 1.5" PRIOR TO APPLYING C1 LAYER.

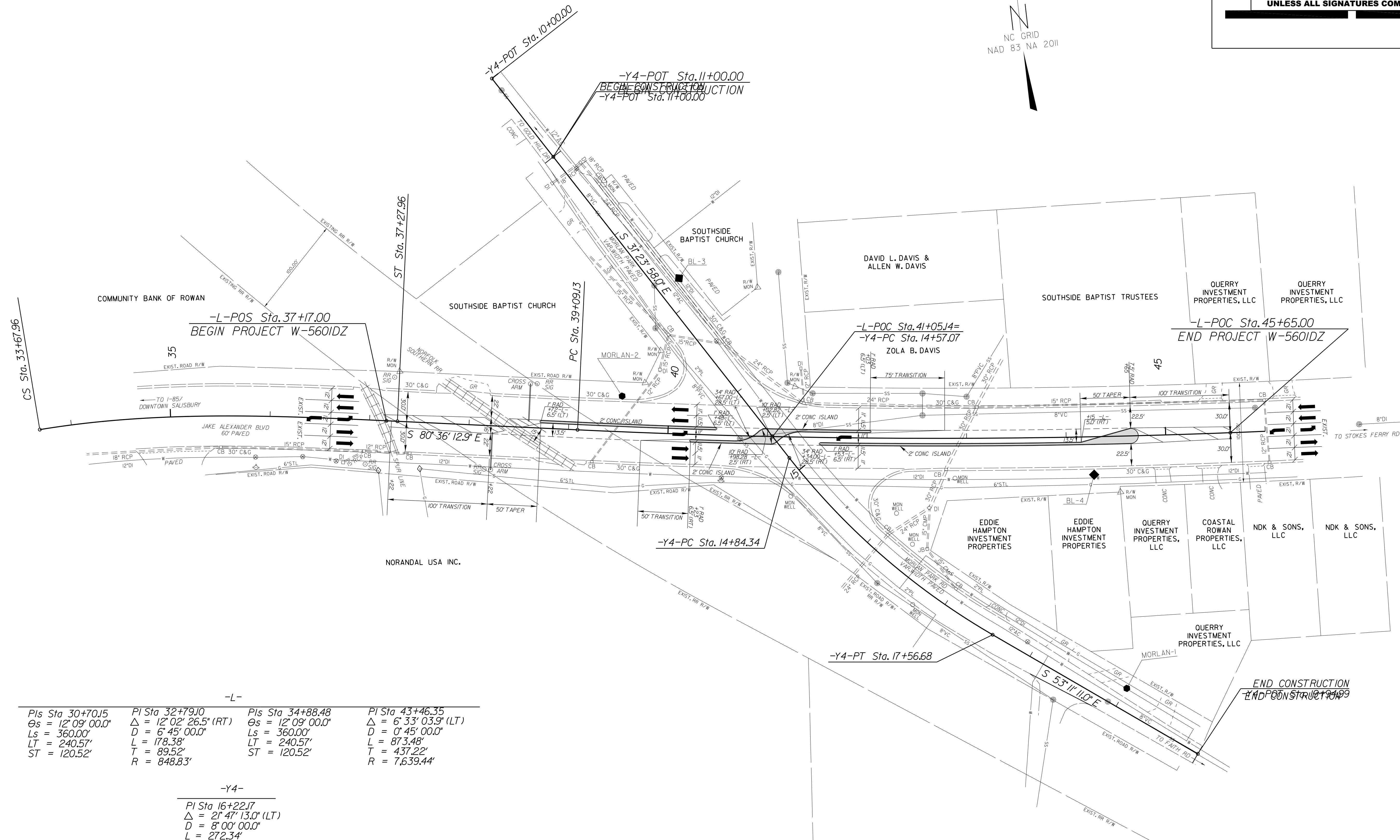


TYPICAL SECTION NO. 3

-Y4- STA. 11+00 TO STA. 14+18
-L- STA. 14+97 TO STA. 19+94.99
NOTE: MILL 1.5" PRIOR TO APPLYING C1 LAYER.



5/14/99
16-10-16-01C-2016-08-30
16-10-16-01C-2016-08-30
16-10-16-01C-2016-08-30
Blanton-MorlanPark-W5601DZ-ddo.tjpb.dgn



-L-			
PIs Sta 30+70.15	PI Sta 32+79.10	PIs Sta 34+88.48	PI Sta 43+46.35
$\Theta_s = 12^\circ 09' 00.0''$	$\Delta = 12^\circ 02' 26.5''$ (RT)	$\Theta_s = 12^\circ 09' 00.0''$	$\Delta = 6^\circ 33' 03.9''$ (LT)
$L_s = 360.00'$	$D = 6^\circ 45' 00.0''$	$L_s = 360.00'$	$D = 0^\circ 45' 00.0''$
$LT = 240.57'$	$L = 178.38'$	$LT = 240.57'$	$L = 873.48'$
$ST = 120.52'$	$T = 89.52'$	$ST = 120.52'$	$T = 437.22'$
	$R = 848.83'$		$R = 7,639.44'$
-Y4-			
	PI Sta 16+22.17		
	$\Delta = 2^\circ 47' 13.0''$ (LT)		
	$D = 8^\circ 00' 00.0''$		
	$L = 272.34'$		
	$T = 137.83'$		
	$R = 716.20'$		

PAVEMENT REMOVAL

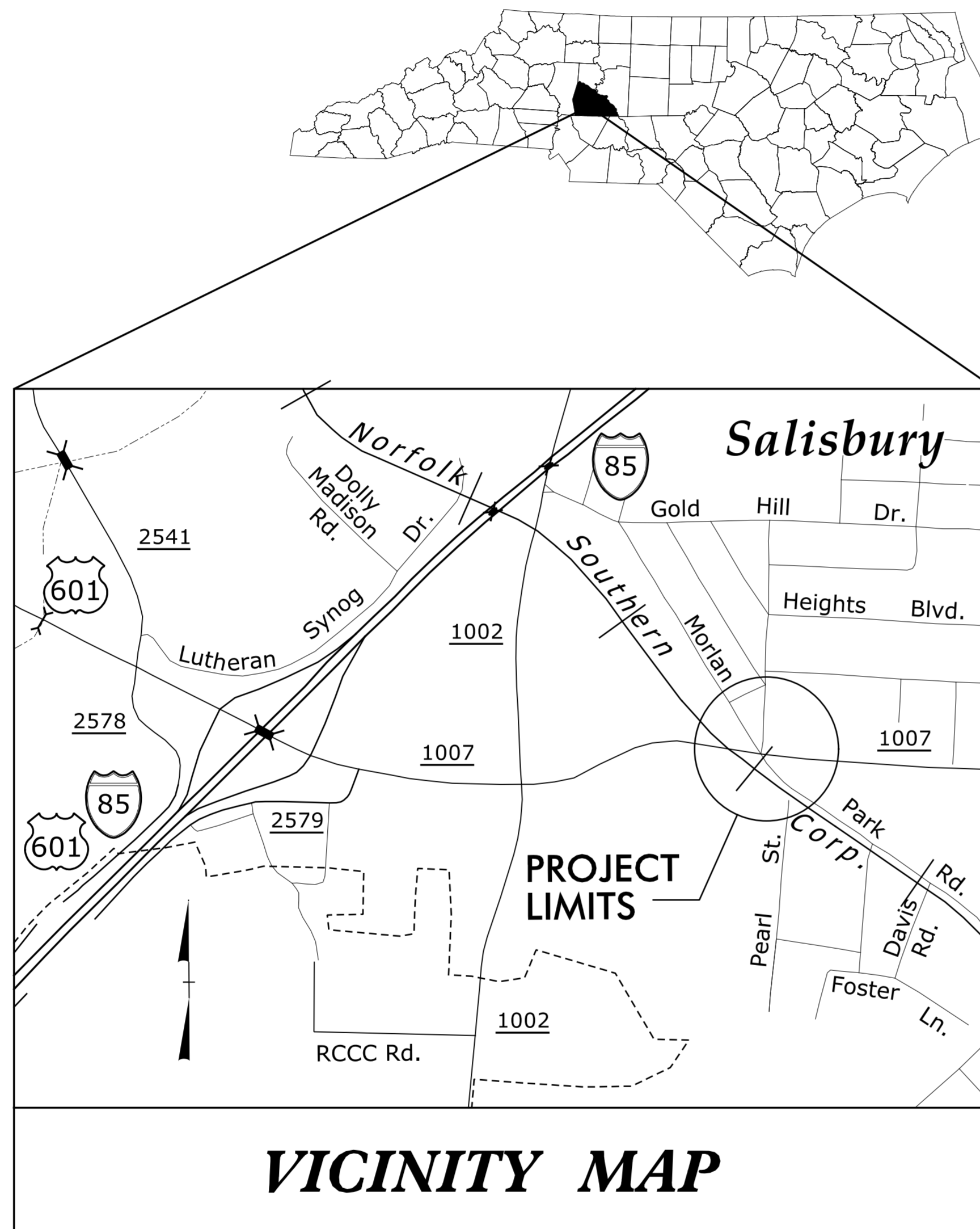
REVISIONS

8/17/99
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3:33:51 PM
3:33:51 PM

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ROWAN COUNTY

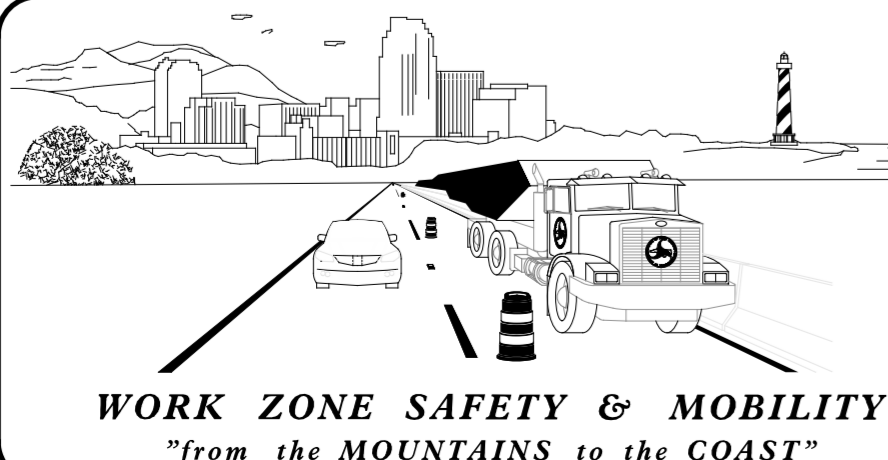
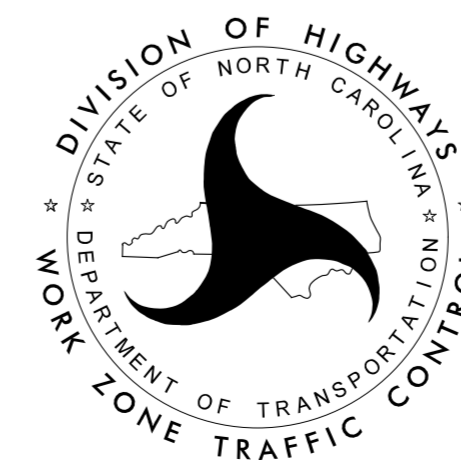


LOCATION: SR 1007 (JAKE ALEXANDER BLVD) AT MORLAN PARK ROAD
IN SALISBURY.

TYPE OF WORK: PAVING

PLAN PREPARED FOR N.C.D.O.T. BY: ICA ENGINEERING, INC.

M. T. RZEPKA, P.E. **TRAFFIC CONTROL PROJECT ENGINEER**
S. BAILEY, P.E. **TRAFFIC CONTROL PROJECT DESIGN ENGINEER**
Y. MARIOTTE **TRAFFIC CONTROL DESIGN ENGINEER**



INDEX OF SHEETS

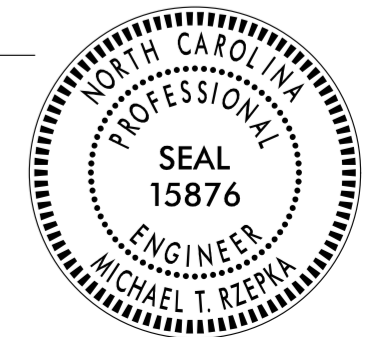
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-2	TRANSPORTATION OPERATIONS PLAN: MANAGEMENT STRATEGY AND GENERAL NOTES
TMP-2	PHASING
TMP-3	PHASE 1 DETAIL
TMP-4	DETOUR DETAILS
TMP-6	ROAD CLOSURE SIGNS AND DETOUR SIGNS

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

APPROVED: Michael T. Rzepka
DATE: 1/5/2017

ICA 5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: F-0258

SEAL





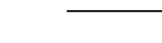



ROADWAY STANDARD DRAWINGS

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




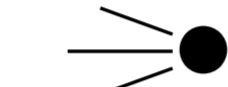
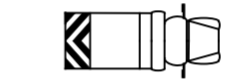

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY

LEGEND




GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  WORK AREA

TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  DRUM
-  SKINNY DRUM
-  FLASHING ARROW PANEL (TYPE C)
-  TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
-  CHANGEABLE MESSAGE SIGN




TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN

PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

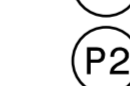
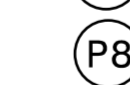
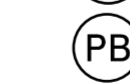
PAVEMENT MARKERS


-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

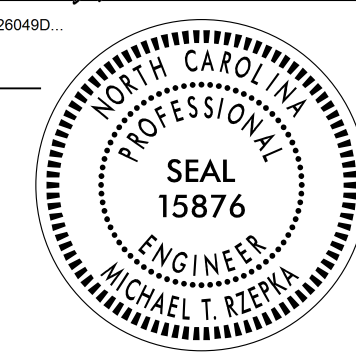
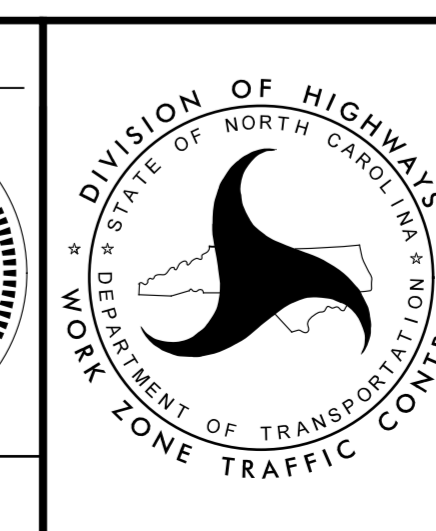
-  PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

-  CRYSTAL/RED TEMPORARY RAISED MARKERS
-  24" WHITE STOP BAR (PAINT)
-  4" WHITE 2'-6"/SP. SKIP (PAINT)
-  4" YELLOW EDGE LINE (PAINT)
-  4" WHITE 10'-30"/SP. SKIP (PAINT)
-  ALPHANUMERIC SYMBOL (RXR) (PAINT)

APPROVED: 
DATE: 1/5/2017

SEAL

ROADWAY STANDARD
DRAWINGS & LEGEND

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MANAGEMENT STRATEGIES



PROJ. REFERENCE NO.	SHEET NO.
W-5601DZ	TMP-2

THE PRIMARY TRAFFIC MANAGEMENT STRATEGY FOR THIS PROJECT WILL BE THE USE OF LANE CLOSURES.

THE SECONDARY TRAFFIC MANAGEMENT STRATEGY FOR THIS PROJECT WILL BE THE USE OF THE FOLLOWING OFF-SITE DETOUR FOR THROUGH MOVEMENTS ALONG MORLAN PARK RD AND ALL LEFT-TURN MOVEMENTS WITHIN THE PROJECT CORRIDOR ALONG JAKE ALEXANDER BLVD:

MORLAN PARK RD, GOLD HILL DR, FAITH RD

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
JAKE ALEXANDER BLVD (SR 1007)	MONDAY-FRIDAY 6:00AM-9:00AM 4:00PM-6:00PM

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
JAKE ALEXANDER BLVD (SR 1007)

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00AM DECEMBER 31st AND 6:00PM JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00PM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00AM THURSDAY AND 6:00PM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00AM FRIDAY AND 6:00PM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00AM JULY 3rd AND 6:00PM JULY 5th. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00PM THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00AM FRIDAY AND 6:00PM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00AM TUESDAY AND 6:00PM MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- F) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- G) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON JAKE ALEXANDER BLVD (SR 1007).

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- I) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- J) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- K) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- L) COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- N) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- O) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- P) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- Q) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
JAKE ALEXANDER BLVD (SR 1007)	PAINT	NONE
MORLAN PARK RD	PAINT	NONE
R) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.		
S) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.		
T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.		
U) TRACE THE MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION OF MONOLITHIC ISLANDS. PLACE TEMPORARY PAINT TO DELINEATE ANY MONOLITHIC ISLANDS.		

MISCELLANEOUS

- V) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

1/5/2017
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APPROVED: DATE: 1/5/2017 SEAL			<h2 style="margin: 0;">TRANSPORTATION OPERATIONS PLAN</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

NOTES

INSTALL WORK ZONE ADVANCE WARNING SIGNS USING RSD 1101.01, SHEET 2 OF 3 PRIOR TO BEGINNING ANY WORK.

RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

LAW ENFORCEMENT MAY BE USED FOR TRAFFIC SHIFTS, IN ADDITION TO TRAFFIC CONTROL STATED IN THE PHASING BELOW.

PHASE I

STEP 1

INSTALL AND COVER ALL SIGNS REQUIRED FOR DETOURS SHOWN IN PLANS. (SEE SHEETS TMP-4, TMP-5, AND TMP-6)

USING LANE CLOSURES (RSD 1101.02, SHEETS 3 AND 7 OF 15), AS NECESSARY, MILL EXISTING PAVEMENT SURFACE AND PLACE TEMPORARY PAVEMENT MARKINGS FOR STEP 2 PATTERN ON JAKE ALEXANDER BLVD. FROM -L- STA. 37+17± TO STA. 45+65±. (SEE ROADWAY PLANS AND SHEET TMP-4)

STEP 2

UNCOVER SIGNS FOR DETOUR PATTERN INSTALLED IN STEP 1.

USING LANE CLOSURES (RSD 1101.02, SHEETS 3 AND 7 OF 15), AS NECESSARY, PLACE DRUMS AND OTHER TRAFFIC CONTROL DEVICES FOR PATTERN SHOWN IN PLANS AND CLOSE LEFT-TURN ACCESSES FROM/TO -L- TO/FROM -Y4-. (SEE SHEET TMP-4)

USING LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND USING FLAGGERS, AS NECESSARY, MILL EXISTING PAVEMENT SURFACE ON MORLAN PARK RD FROM -Y4- STA. 11+00± TO -Y4- STA. 19+95± AND PLACE TEMPORARY MARKINGS IN FINAL PATTERN (SEE ROADWAY PLANS AND FINAL PAVEMENT MARKING PLANS).

STEP 3

USING LANE CLOSURES (RSD 1101.02, SHEETS 3 AND 7 OF 15), AS NECESSARY, CONSTRUCT RAISED MONOLITHIC CONCRETE ISLANDS ALONG -L- (SR 1007) (JAKE ALEXANDER BLVD). (SEE ROADWAY PLANS)

PHASE II

STEP 1


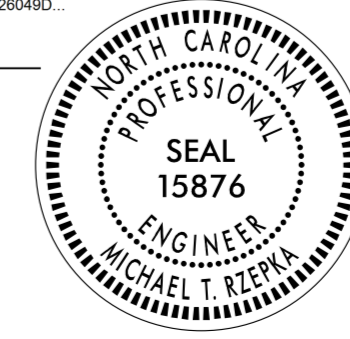
USING LANE CLOSURES (RSD 1101.02, SHEETS 3 AND 7 OF 15), AS NECESSARY, INSTALL FINAL PAVEMENT SURFACE LAYER AND PLACE TEMPORARY PAVEMENT MARKINGS IN FINAL TRAFFIC PATTERNS. (SEE FINAL PAVEMENT MARKING PLANS)

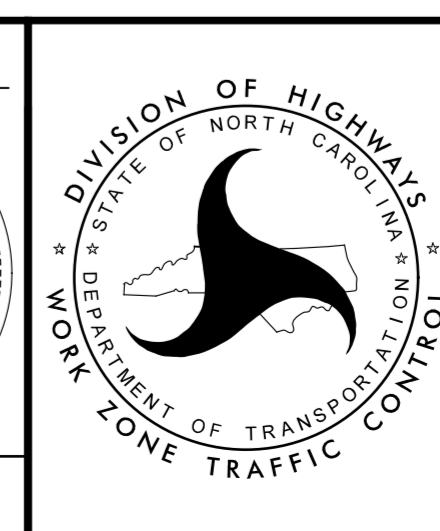
OPEN TRAFFIC TO FINAL PATTERNS. REMOVE DETOURS AND SIGNING.

STEP 2

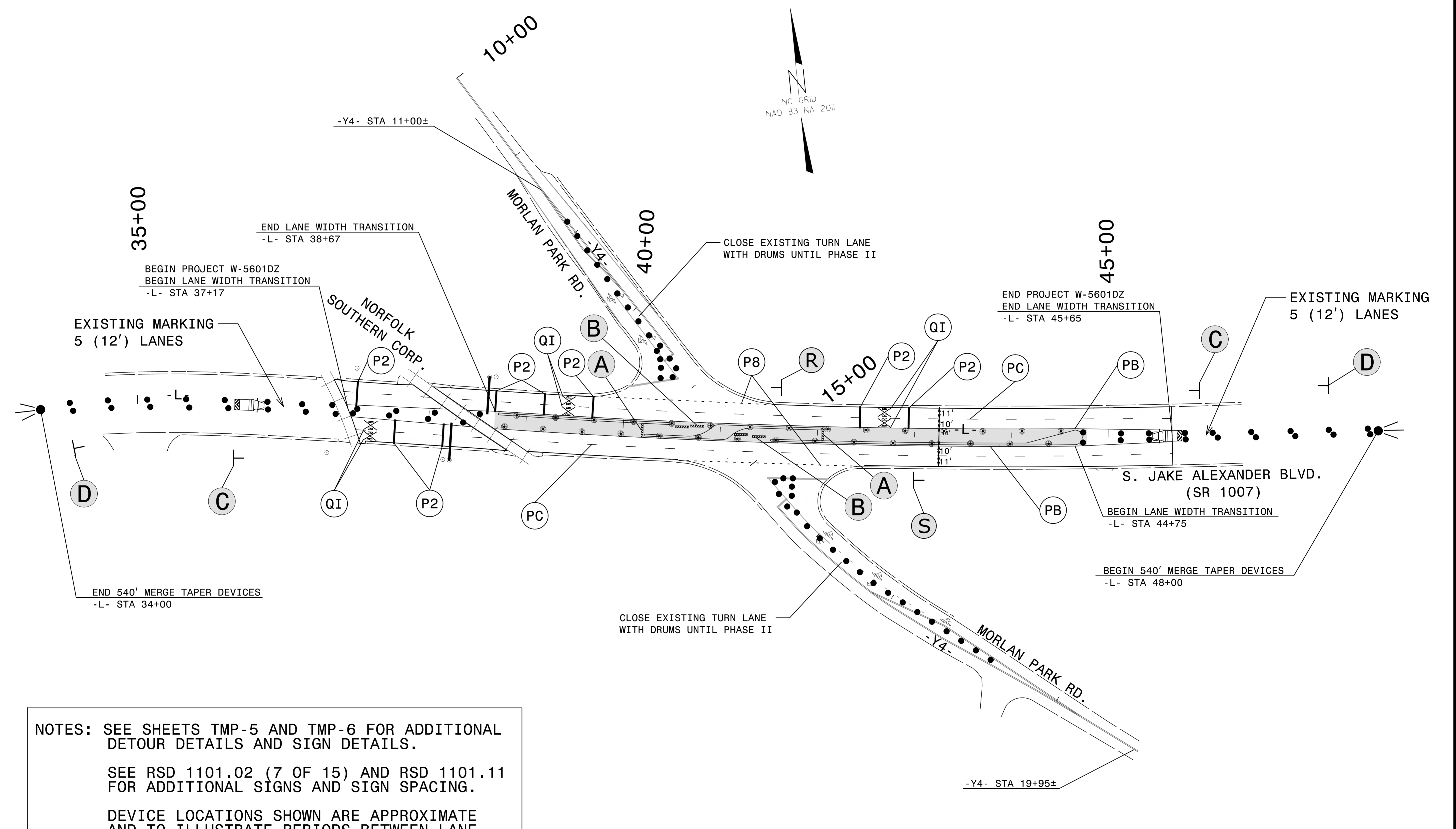
USING LANE CLOSURES (RSD 1101.02, SHEETS 3 AND 7 OF 15), AS NECESSARY, INSTALL FINAL PAVEMENT MARKINGS. (SEE FINAL PAVEMENT MARKING PLANS)

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ICA Engineering

APPROVED:  <small>DocuSigned by: Michael T. Rzepka 019C3480C28046D</small>	
DATE: 1/5/2017	
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PHASING



NOTES: SEE SHEETS TMP-5 AND TMP-6 FOR ADDITIONAL DETOUR DETAILS AND SIGN DETAILS.

SEE RSD 1101.02 (7 OF 15) AND RSD 1101.11 FOR ADDITIONAL SIGNS AND SIGN SPACING.

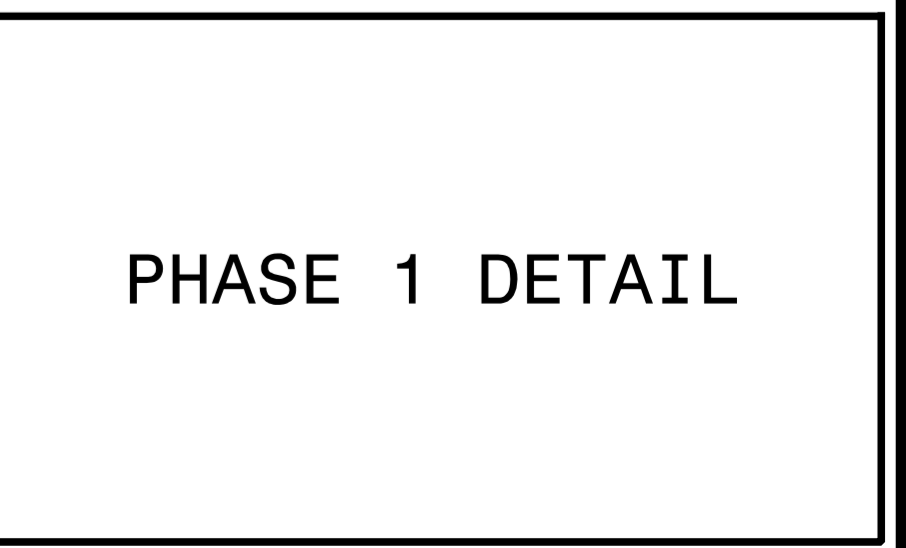
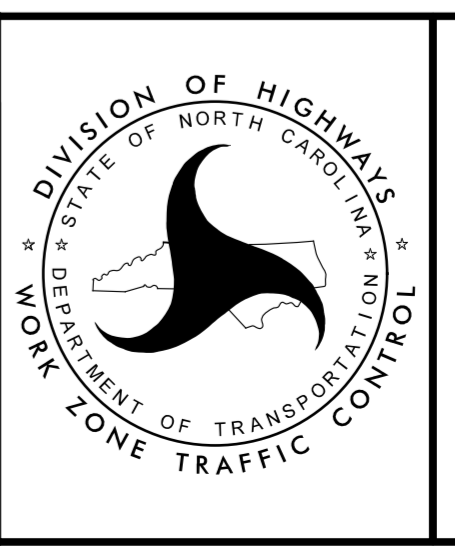
DEVICE LOCATIONS SHOWN ARE APPROXIMATE AND TO ILLUSTRATE PERIODS BETWEEN LANE CLOSURES. SEE RSD 1101.02 (7 OF 15) FOR DEVICE PLACEMENT DURING LANE CLOSURES.

SEE RSD 1205.11 FOR RAILROAD PAVEMENT MARKING DETAILS.

APPROVED: *Michael T. Repha*
DATE: 1/5/2017

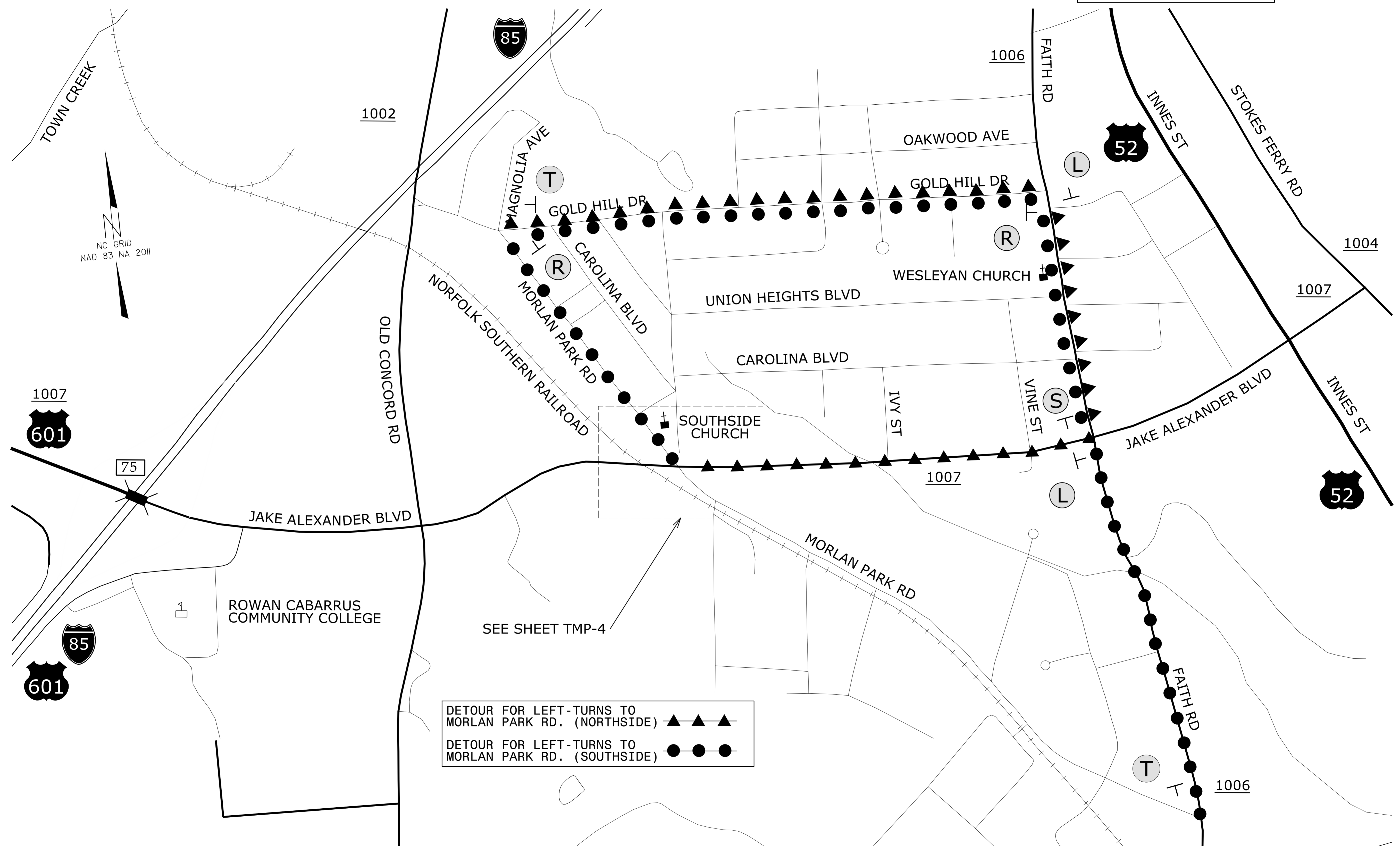
SEAL

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PHASE 1 DETAIL

1/5/2017
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ICA Engineering

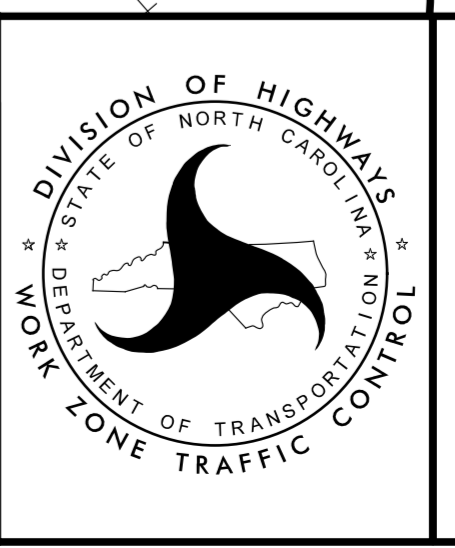


NC GRID
NAD 83 NA 2011

DETOUR FOR LEFT-TURNS TO MORLAN PARK RD. (NORTHSIDE) ▲▲▲
DETOUR FOR LEFT-TURNS TO MORLAN PARK RD. (SOUTHSIDE) ●●●

NOTE: SEE SHEET TMP-6 FOR SIGN DETAILS AND SIGN DESIGN

APPROVED: *Michael T. Repha*
DATE: 1/5/2017
SEAL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



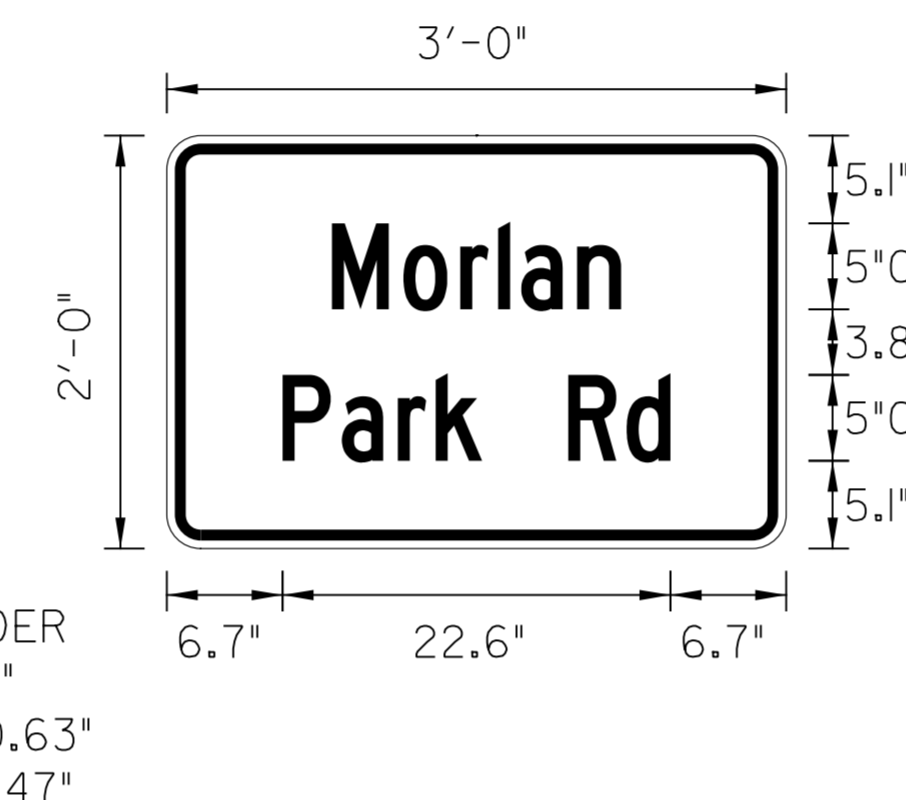
DETOUR DETAILS

1/5/2017
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ICA Engineering

SIGN NUMBER: Morlan Park	BACKG COLOR: Fluorescent Orange	DESIGN BY: MTR	CHECKED BY:	DATE: Dec 14, 2016
TYPE: STATIONARY	COPY COLOR: Black	PROJECT ID: W-5601DZ	DIV: 9	
QUANTITY: SEE PLANS				
SIGN WIDTH: 3'-0"				
HEIGHT: 2'-0"				
TOTAL AREA: 6.0 Sq.Ft.				
BORDER TYPE: INSET				
RECESS: 0.47"				
WIDTH: 0.63"				
RADII: 1.5"				
NO. Z BARS:	MAT'L: 0.080" (2.0 mm) ALUMINUM			
LENGTH:				

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.



BORDER
R=1.5"
TH=0.63"
IN=0.47"

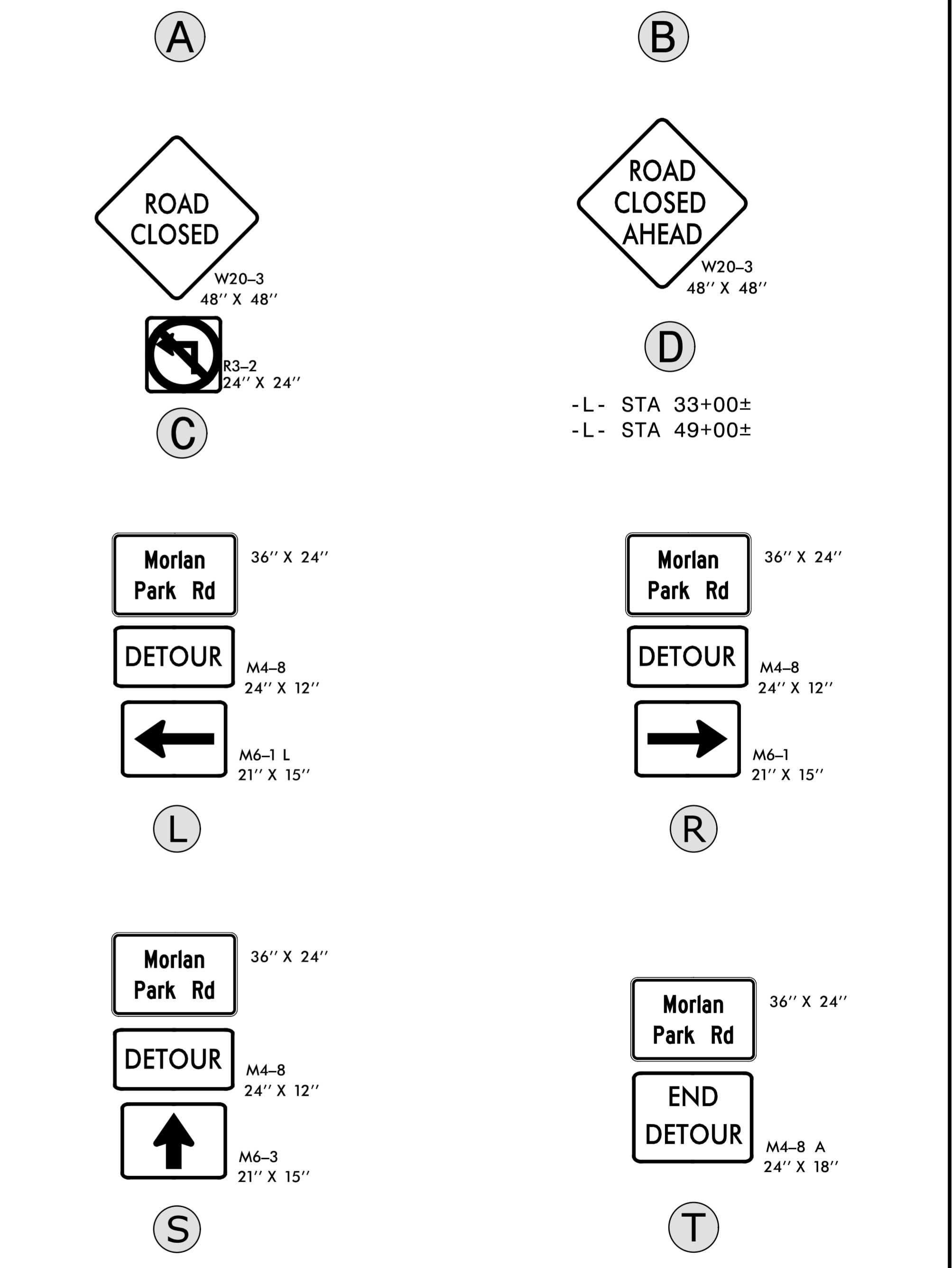
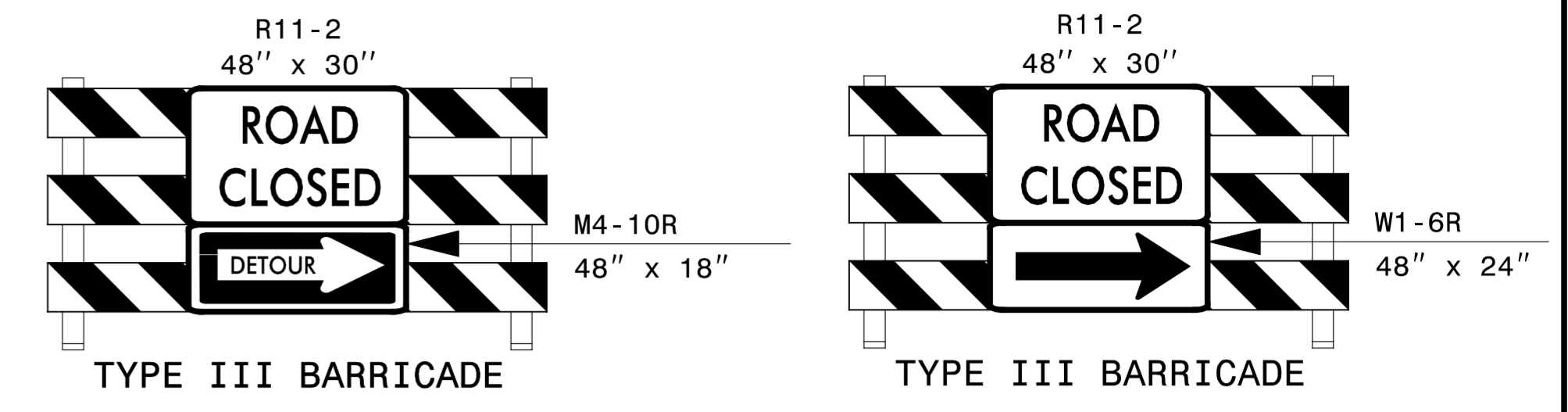
Spacing Factor is 1 unless specified otherwise

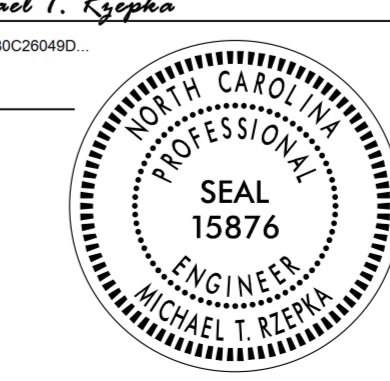
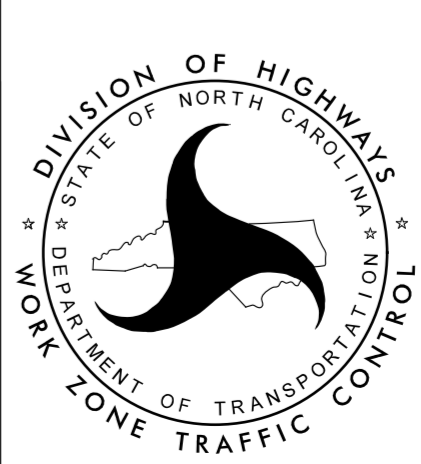
LETTER POSITIONS

Letter spacings are to start of next letter

	M	o	r	l	a	n															Series/Size Text Length
	9.6	4.2	3.3	2.2	1.4	3.3	2.6	9.6													C 2000 16.8
		P	a	r	k		R	d													C 2000 22.6
	6.7	3.4	3.3	2.2	2.7	5	3.4	2.6	6.7												

FILENAME: _____ NORTH CAROLINA D.O.T. SIGN DETAIL



<p>APPROVED: <i>Michael T. Reppa</i></p> <p>DATE: 1/5/2017</p> <p>SEAL</p> 		<p>ROAD CLOSURE SIGNS AND DETOUR SIGNS</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

1/5/2017
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 ICA Engineering

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

<small>TIP NO.</small> W-5601DZ	<small>SHEET NO.</small> PMP-1
<small>APPROVED:</small> Michael T. Rzepka <small>018C3480C28049D...</small>	
<small>DATE:</small> 1/5/2017	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PAVEMENT MARKING PLAN ROWAN COUNTY

T.I.P.: W-5601DZ

CONTRACT: DI00153

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
PMP-1	TITLE SHEET, INDEX, FINAL PAVEMENT MARKING SCHEDULE, GENERAL NOTES & ROADWAY STANDARD DRAWINGS
PMP-2	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING
PMP-3	PAVEMENT MARKING DETAIL

FINAL PAVEMENT MARKING SCHEDULE

<u>SYMBOL</u>	<u>DESCRIPTION</u>
(FINAL PAVEMENT MARKINGS)	
<u>THERMOPLASTIC (4", 90 MILS)</u>	
TA	WHITE EDGELINE
TB	YELLOW EDGELINE
<u>THERMOPLASTIC (4", 120 MILS)</u>	
T8	2 FT. - 6 FT./SP WHITE MINISKIP
T9	2 FT. - 6 FT./SP YELLOW MINISKIP
TC	10 FT. WHITE SKIP
TD	3 FT. - 9 FT./SP WHITE MINISKIP
TI	YELLOW DOUBLE CENTER
<u>THERMOPLASTIC (8", 90 MILS)</u>	
TN	WHITE GORELINE
TO	WHITE DIAGONAL
TP	YELLOW DIAGONAL
<u>THERMOPLASTIC (16", 120 MILS)</u>	
T1	WHITE LINE, RR X
<u>THERMOPLASTIC (24", 120 MILS)</u>	
T2	WHITE STOPBAR
<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>	
UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UE	COMBO RIGHT/STRAIGHT ARROW
<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (120 MILS)</u>	
UI	ALPHANUMERIC CHARACTER

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
JAKE ALEXANDER BLVD.	THERMOPLASTIC	NONE
MORLAN PARK RD.	THERMOPLASTIC	NONE

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

E) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1267.01	FLEXIBLE DELINEATORS - INSTALLATION

PLAN PREPARED FOR N.C.D.O.T. BY: ICA ENGINEERING, INC.

M. T. RZEPKA, P.E. PROJECT ENGINEER
Y. MARIOTTE DESIGN ENGINEER

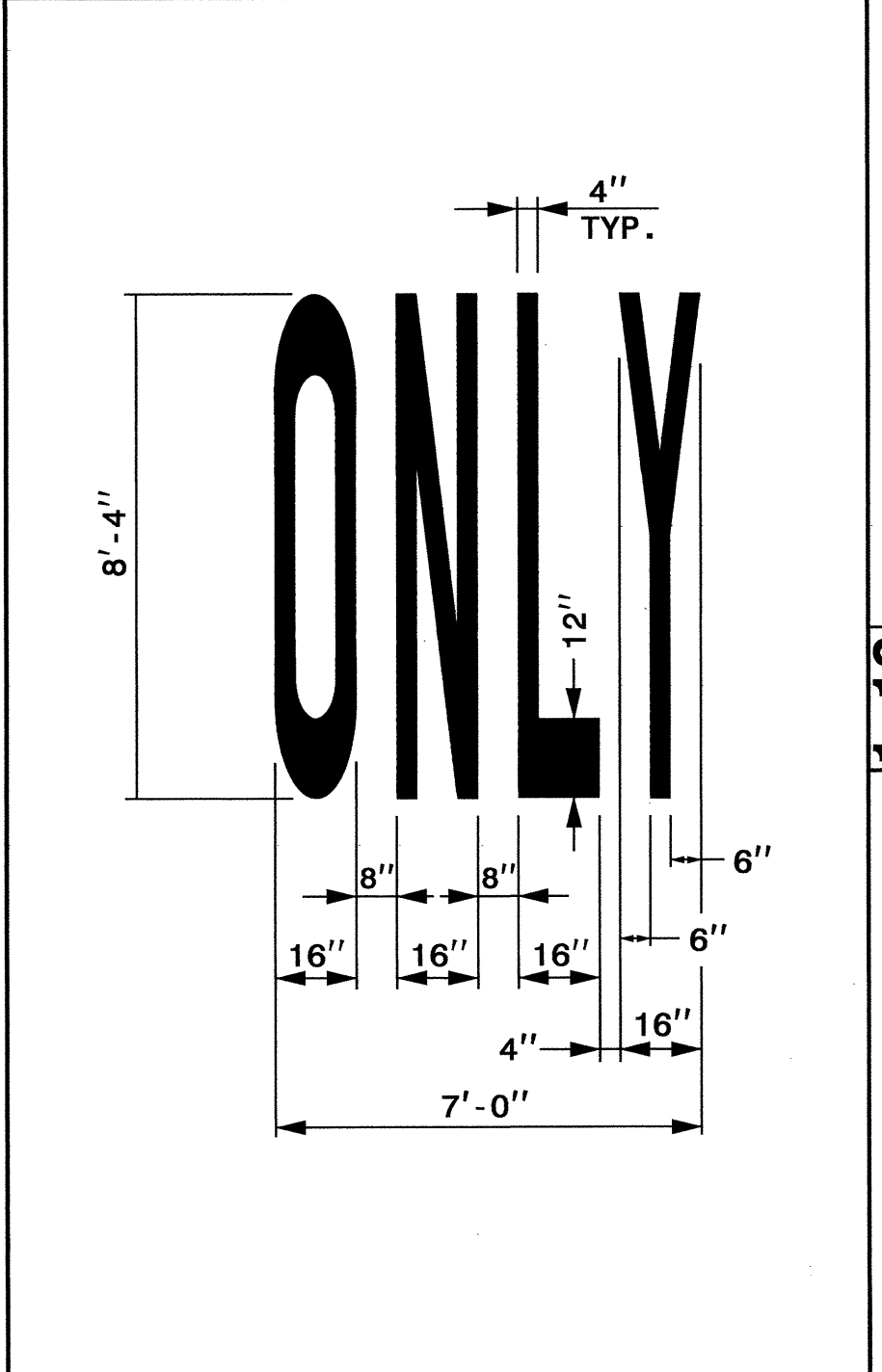
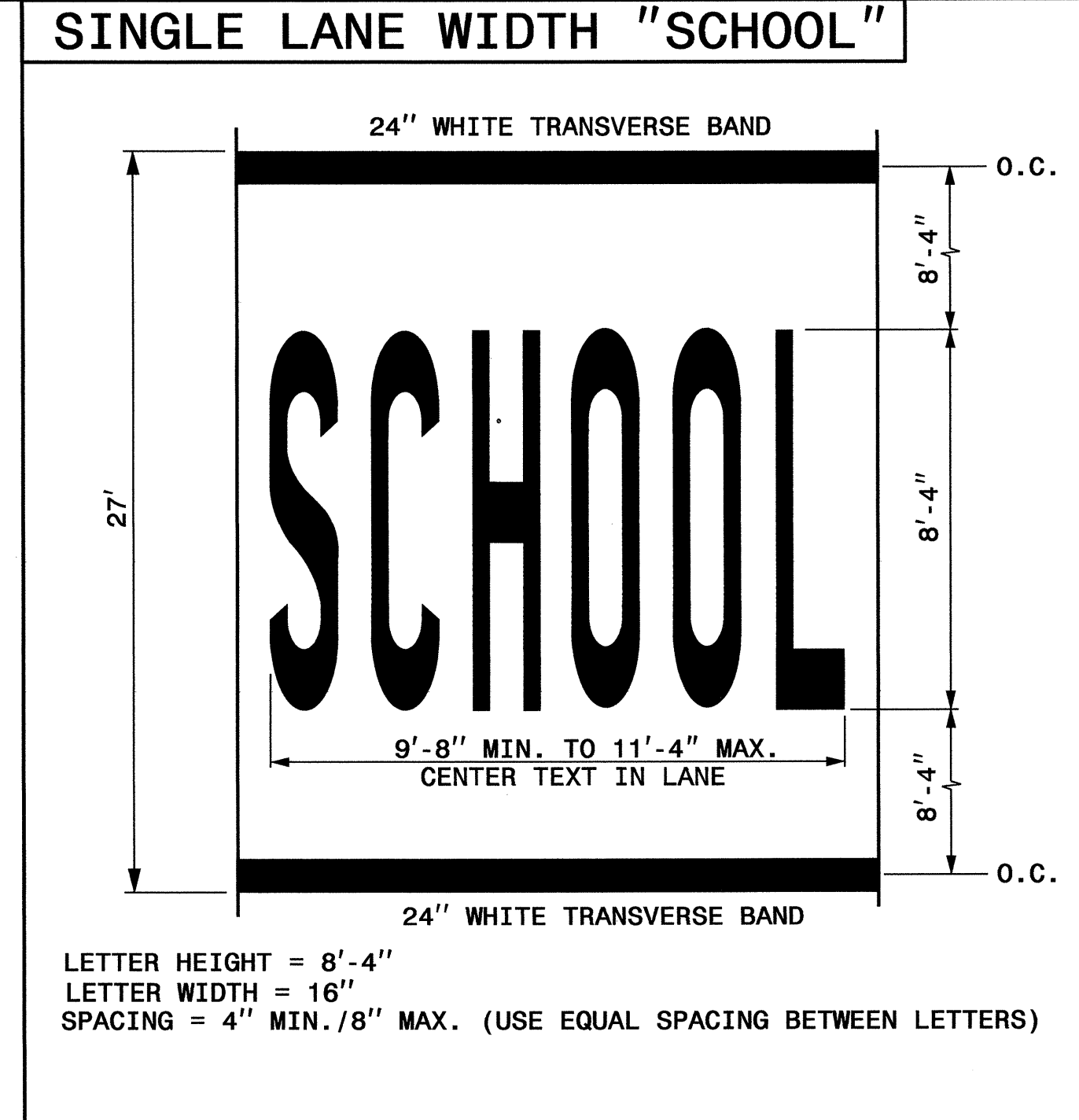
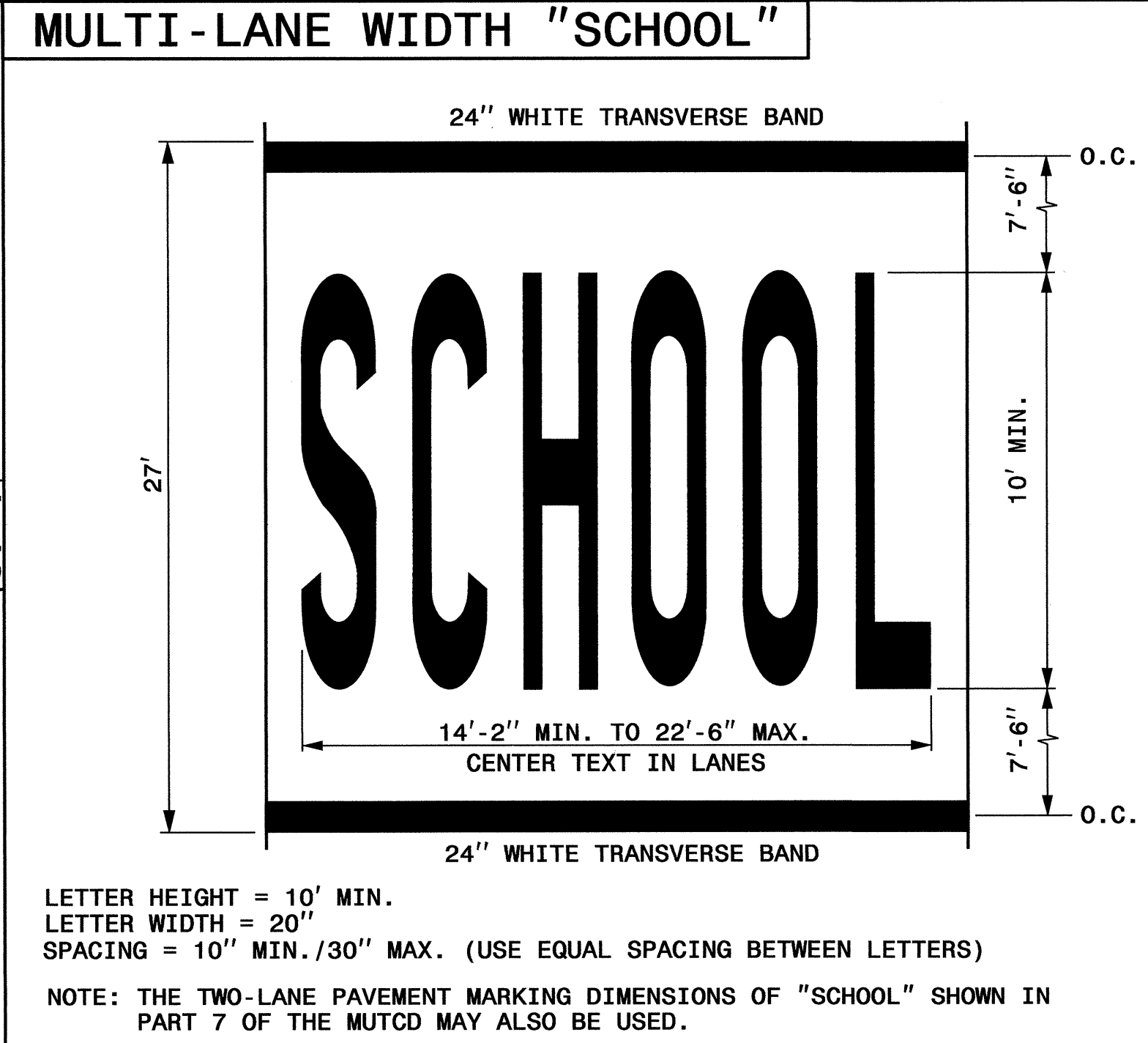
5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: F-0258

TIP NO. W-5601DZ	SHEET NO. TMP-2
APPROVED: <i>RWF</i>	
DATE: 3/8/12	
SEAL	

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
 SYMBOLS AND WORD MESSAGES

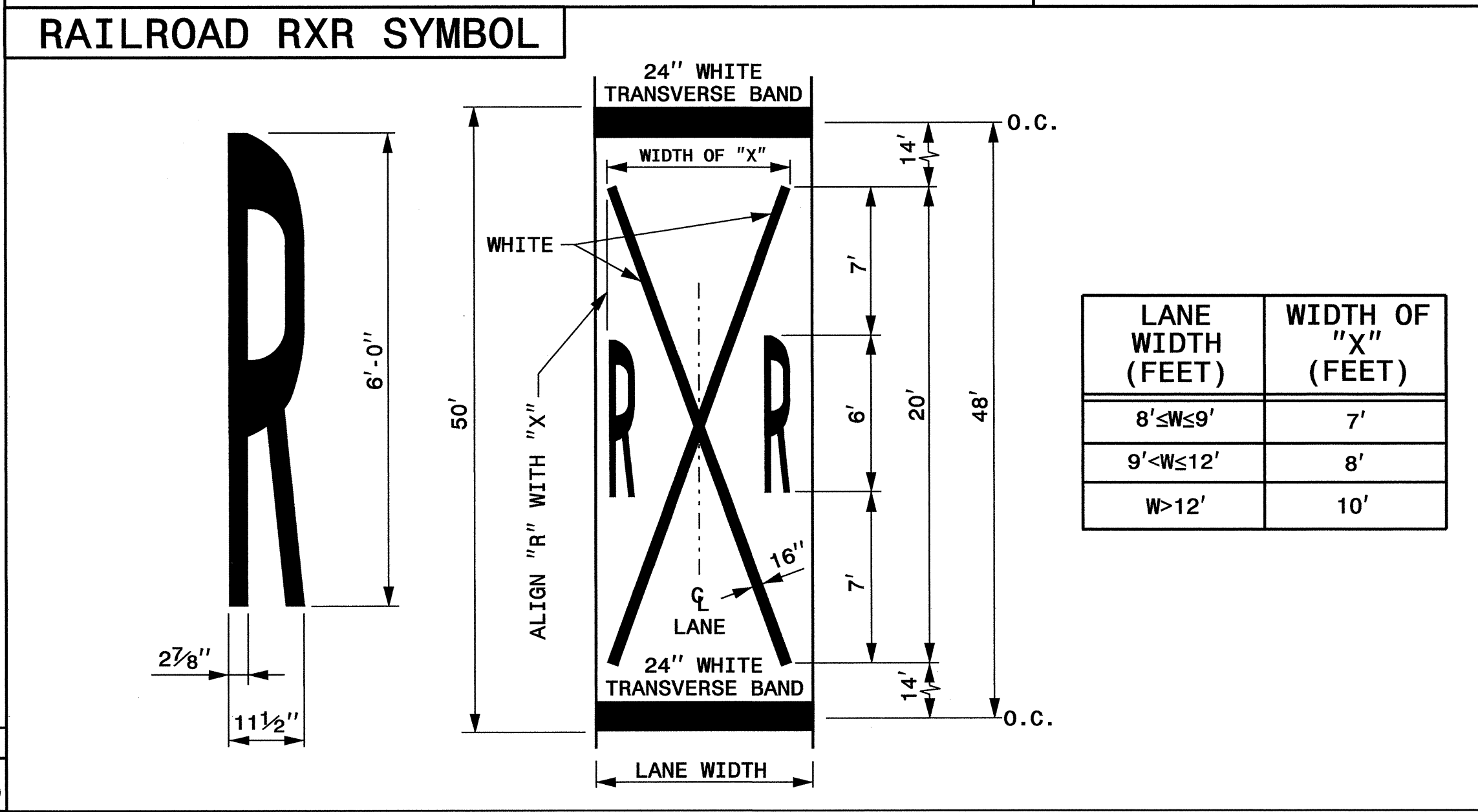
SHEET 3 OF 8
1205D08



STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
 SYMBOLS AND WORD MESSAGES

SHEET 3 OF 8
1205D08




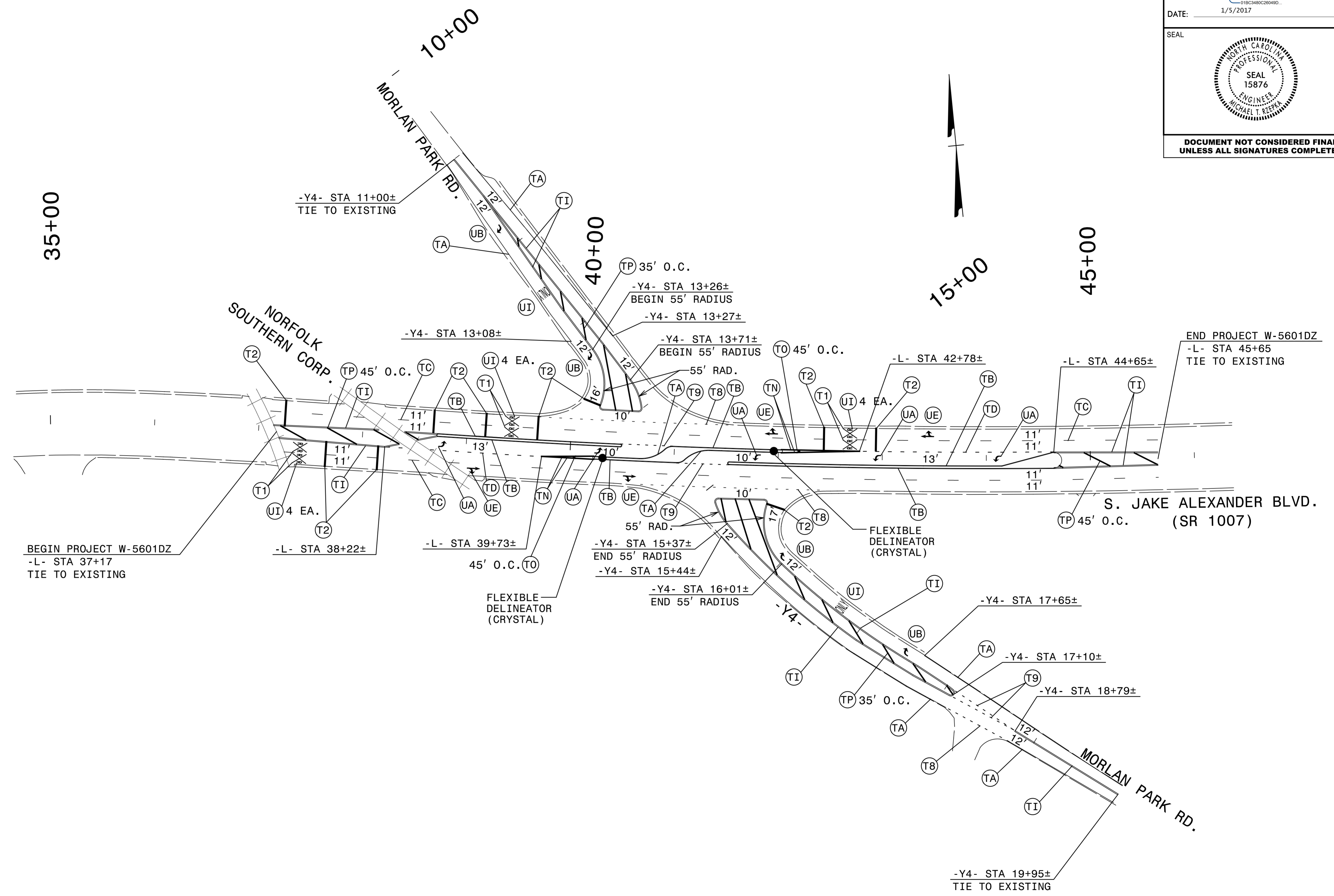
GENERAL NOTES:

- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF TWO (2) CHARACTERS AND TWO (2) 16" LINES (FORMING AN X) WHICH ARE PAID FOR UNDER TWO SEPARATE PAY ITEMS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.11 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

**REVISED PAVEMENT MARKING
ROADWAY STANDARD DRAWING**

08-MAR-2012 12:18
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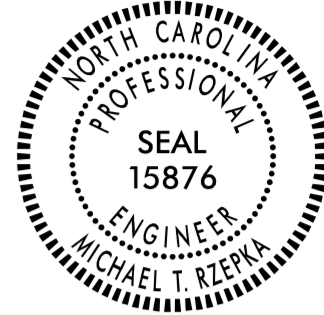
TIP NO. W-5601DZ	SHEET NO. PMP-3
APPROVED: <i>Michael T. Rzepka</i>	
DATE: 1/5/2017	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



1/5/2017
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ICA Engineering

HR ICA
5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: F-0258

PAVEMENT MARKING DETAIL

TIP NO. W-5601DZ	SHEET NO. SIGN - 1
APPROVED: <u>Michael T. Rzepka</u> <small>-018C3480C28049D-</small>	
DATE: 1/5/2017	
	

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

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
ROWAN COUNTY**

**LOCATION: SR 1007 (JAKE ALEXANDER BLVD) AT MORLAN
PARK ROAD IN SALISBURY.**

T.I.P.: W-5601DZ

CONTRACT: DI00153

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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, INDEX, ROADWAY STANDARD DRAWING, SUMMARY OF QUANTITIES & GENERAL NOTES
SIGN-2	TYPE "E" SIGNS
SIGN-3	PROPOSED AND EXISTING SIGNS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	165	L.F.
4102000000	904	SIGN ERECTION, TYPE E	13	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	8	EA.

GENERAL NOTES

- 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.

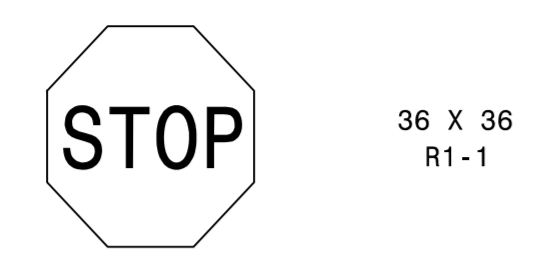
PLAN PREPARED FOR N.C.D.O.T. BY: ICA Engineering, Inc.

M. T. RZEPKA, P.E. PROJECT ENGINEER
Y. MARIOTTE DESIGN ENGINEER



5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: P-0258

401 QUANTITY REQ'D . 2 _



36 X 36
R1-1

ONE "U" POST PER SIGN

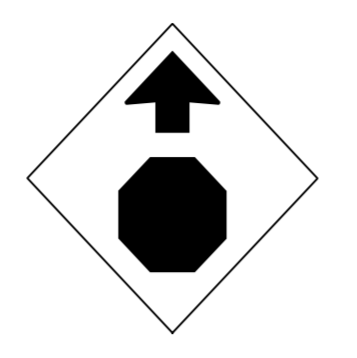
402 QUANTITY REQ'D . 2 _



36 X 12
R6-1 (R)

TWO "U" POSTS PER SIGN

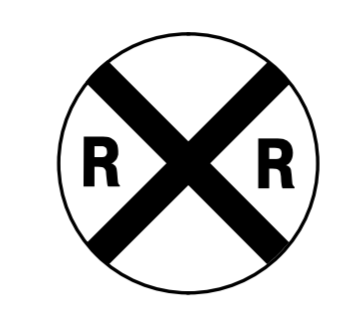
403 QUANTITY REQ'D . 2 _



30 X 30
W3-1a

ONE "U" POST PER SIGN

404 QUANTITY REQ'D . 2 _



30 X 30
W10-1

ONE "U" POST PER SIGN

405 QUANTITY REQ'D . 2 _



36 X 36
W8-1

ONE "U" POST PER SIGN

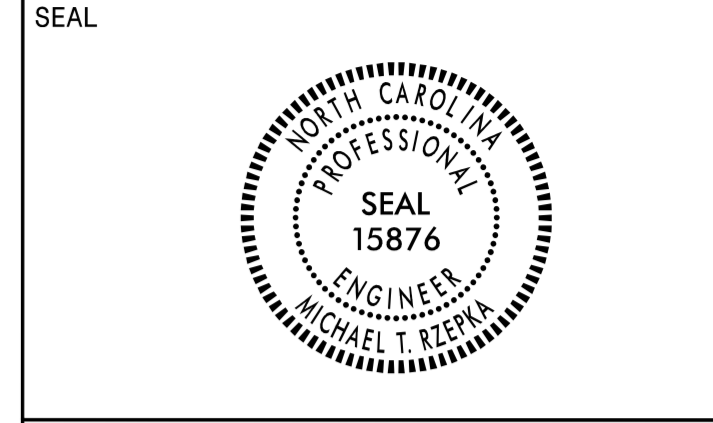
406 QUANTITY REQ'D . 2 _



18 X 18
W13-1

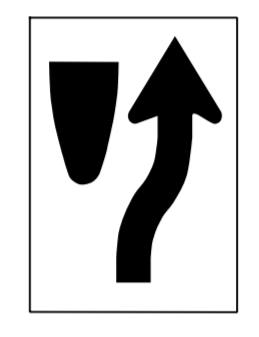
MOUNT BELOW SIGN 405
IN 2 INSTALLATIONS

APPROVED: *Michael T. Rzepka*
DATE: 1/5/2017



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UNLESS ALL SIGNATURES COMPLETED

407 QUANTITY REQ'D . 1 _



24 X 30
R4-7

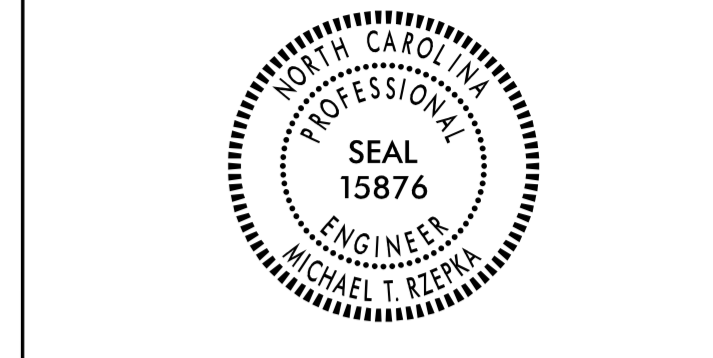
ONE "U" POST PER SIGN

TYPE "E" SIGNS

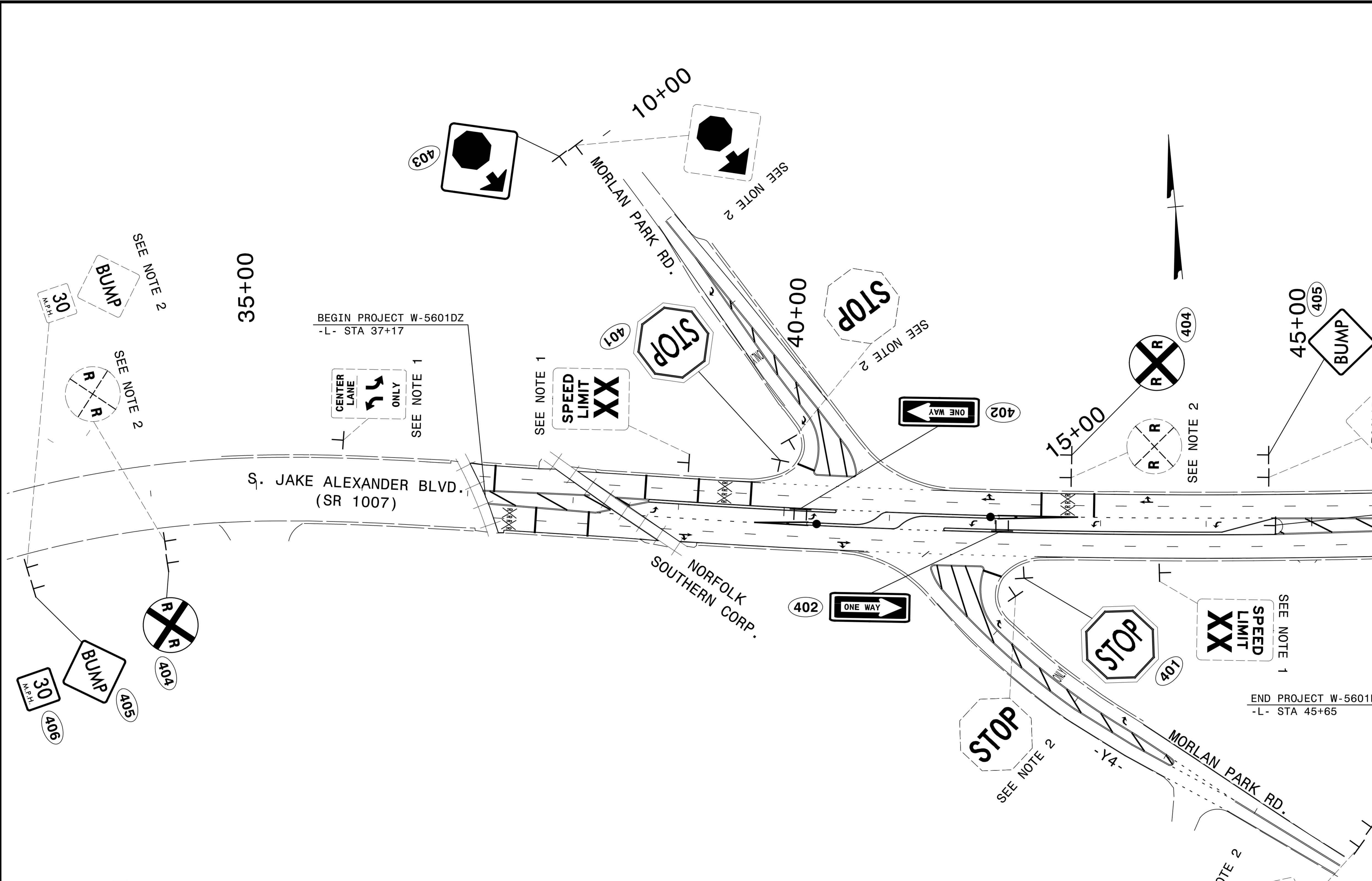
1/5/2017
R:\601\CAD\BIM\6.2_Work-In-Progress\Traffic\Signing\CADD\Signing_Layout_Plans\5601dz_sign_esigns.dgn
TCA Engineering

APPROVED: *Michael T. Rzepka*
1/5/2017

DATE: 1/5/2017



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UNLESS ALL SIGNATURES COMPLETED



BEGIN PROJECT W-5601DZ
-L- STA 37+17

END PROJECT W-5601DZ
-L- STA 45+65

PROJECT NOTES

- NOTES:
- 1 EXISTING SIGN TO REMAIN
 - 2 DISPOSE OF SIGN SYSTEM, U-CHANNEL

HR ICA
5121 Kingdom Way,
Suite 100
Raleigh, NC 27607
NC License No: F-0258

**PROPOSED AND
EXISTING SIGNS**

1/5/2017
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ICA Engineering