

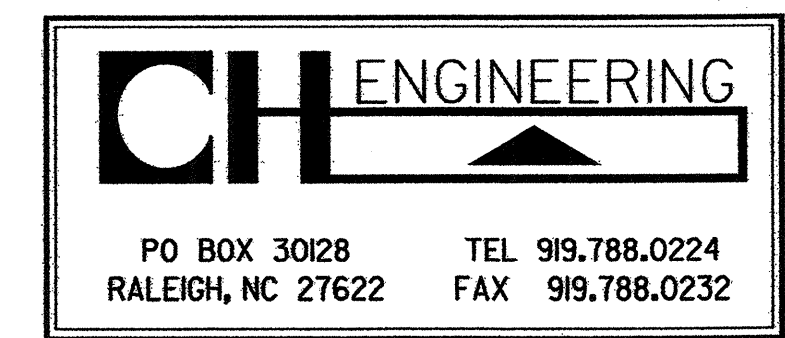
U-4410 DB

TIP PROJECT:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
DURHAM COUNTY**

STATE PROJECT REFERENCE NO. U-4410 DB	SHEET NO. TCP-1
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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, & INDEX OF SHEETS
TCP-2	GENERAL NOTES
TCP-3	PROJECT PHASING, LOCAL NOTES & TEMPORARY PAVEMENT MARKING SCHEDULE
TCP-4	S. ALSTON AVENUE, DETOUR DETAIL #1
TCP-5	S. ALSTON AVENUE, DETOUR DETAIL #2
TCP-6	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)
TCP-7	SIGN DESIGN DETAILS
PM-1	FINAL PAVEMENT MARKING SCHEDULE
PM-2 THRU PM-6	FINAL PAVEMENT MARKINGS

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - REMOVAL OF EXISTING PAVEMENT
- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM SKINNY DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - TYPE 'B' WARNING LIGHT
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - WARNING FLAGS
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER
- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

<p>PLAN REVIEWED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT</p> <p><u>J. S. Bourne, PE</u> TRAFFIC CONTROL ENGINEER</p> <p><u>J. Ishak, PE</u> TRAFFIC CONTROL PROJECT ENGINEER</p> <p><u>J. L. Portanova, PE</u> TRAFFIC CONTROL PROJ. DESIGN ENGINEER</p> <p><u>A. Lyudmirskaya</u> TRAFFIC CONTROL DESIGN ENGINEER</p>	<p>APPROVED: </p> <p>DATE: 1/16/07</p> <p style="text-align: center;">SEAL</p>	<p>PLAN PREPARED FOR NCDOT BY:</p> <p><u>T. R. Hepler, PE</u> QC ENGINEER</p> <p><u>R. B. Early, PE</u> PROJECT ENGINEER</p> <p><u>R. B. Early, PE</u> PROJECT DESIGNER</p>
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PROJECT NOTES

GENERAL NOTES

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

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 NAMES	DAY AND TIME RESTRICTIONS
L (LOUIS STEPHENS DR)	MONDAY THROUGH FRIDAY FROM 6:00 AM TO 9:00 AM AND FROM 4:00 PM TO 7:00 PM
Y (NC 55)	

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

- | ROAD NAMES | HOLIDAY |
|-----------------------|---------|
| L (LOUIS STEPHENS DR) | |
| Y (NC 55) | |
1. FOR ANY EVENT THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 4:00 PM DECEMBER 31st TO 9:00 AM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 9:00 AM THE FOLLOWING TUESDAY.
 3. FOR EASTER, BETWEEN THE HOURS OF 4:00 PM THURSDAY AND 9:00 AM MONDAY.
 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:00 PM FRIDAY TO 9:00 AM TUESDAY.
 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:00 PM THE DAY BEFORE INDEPENDENCE DAY AND 9:00 AM THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 4:00 PM THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 AM THE TUESDAY AFTER INDEPENDENCE DAY.
 6. FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 PM FRIDAY AND 9:00 AM TUESDAY.
 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 4:00 PM TUESDAY TO 9:00 AM MONDAY.
 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 PM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 AM THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.

C. DO NOT STOP TRAFFIC FOR MORE THAN 15 MINUTES FOR SIGNAL INSTALLATION AS FOLLOWS:

ROAD NAME	TIME RESTRICTIONS
L (LOUIS STEPHENS)	SUNDAY THRU SATURDAY (EVERDAY) FROM 4:00 AM TO 11:00 PM
Y (NC 55)	

LANE AND SHOULDER CLOSURE REQUIREMENTS

D. 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.

E. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 40 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

F. 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.

G. 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.

H. DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.

I. DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15 FT OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.

PAVEMENT EDGE DROP OFF REQUIREMENTS

J. BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

K. DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

M. INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.

N. PROVIDE PERMANENT SIGNING.

O. PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.

P. THE CONTRACTOR WILL COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.

Q. ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

R. SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.

S. PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

PAVEMENT MARKINGS AND MARKERS

T. INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	THERMOPLASTIC	RAISED (PERMANENT)

U. INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	RAISED (TEMPORARY)

V. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

W. REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.

X. TRACE THE EDGE OF PROPOSED MONOLITHIC ISLANDS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION OF A PROPOSED MONOLITHIC ISLAND.

Y. PLACE AT LEAST TWO APPLICATIONS OF PAINT ON NEW ASPHALT WITH TEMPORARY TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE OVER THREE (3) MONTHS. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

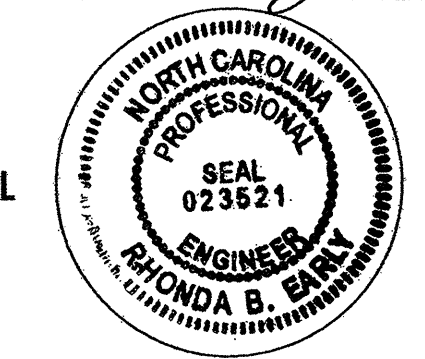
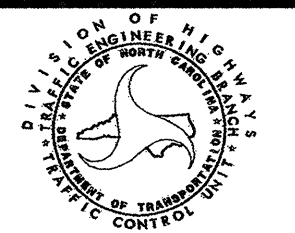
TEMPORARY / FINAL SIGNALS

Z. NOTIFY THE ENGINEER TWO (2) MONTHS BEFORE A TRAFFIC SIGNAL INSTALLATION BY OTHERS IS REQUIRED.

MISCELLANEOUS

AA. PLACE DRUMS TO DELINEATE PROPOSED ISLANDS BEFORE INSTALLATION.

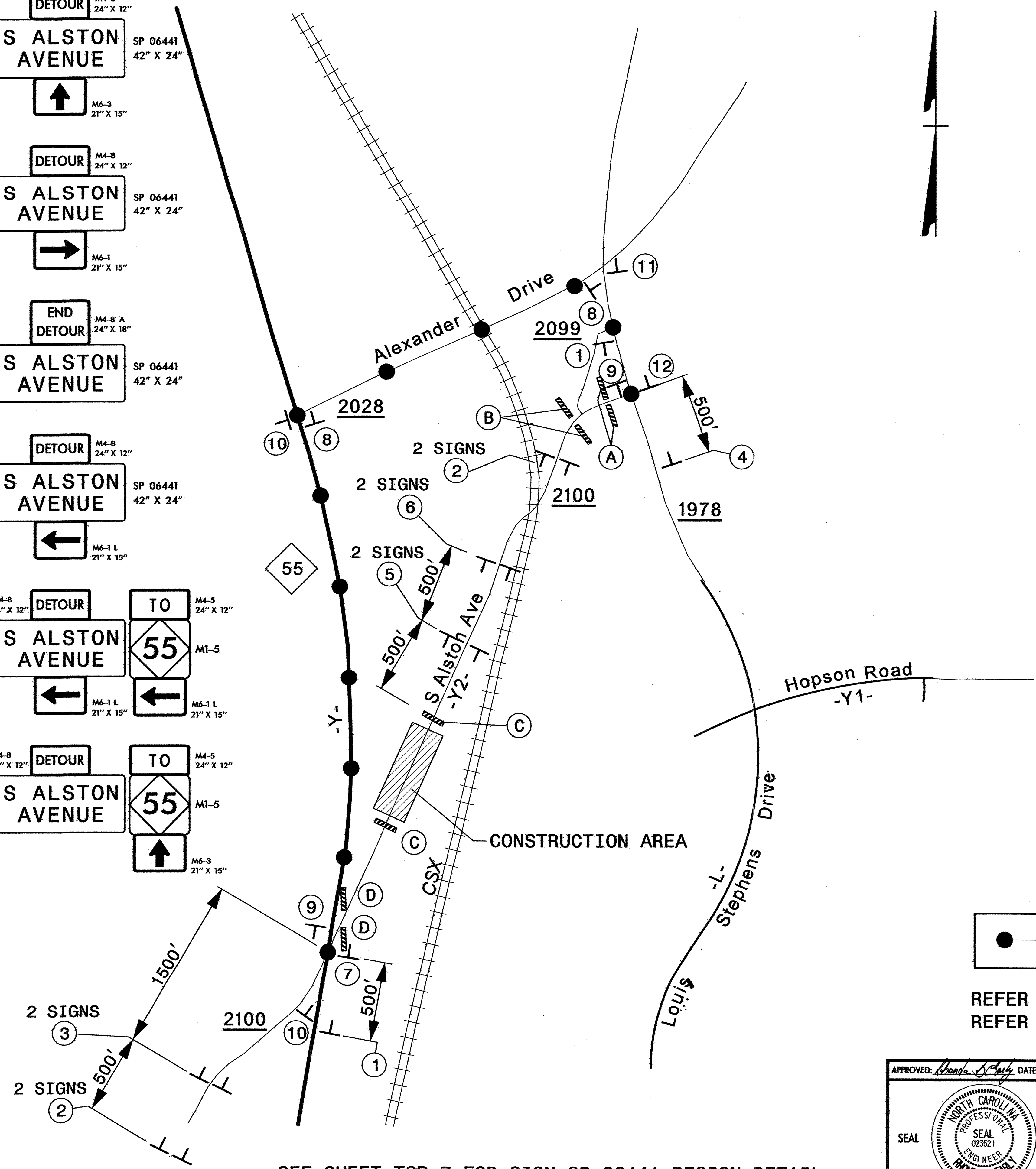
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 ***** USER *****
 ***** NAME *****
 ***** *****

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REVISIONS													
SCALE: NONE	DATE: 01/10/07	DESIGN BY: RBE	REVIEWED BY: RBE										

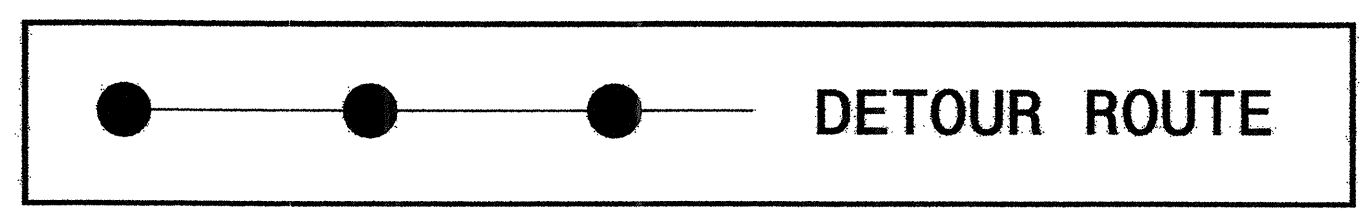
2/13/2007 5:25:48 PM \\S:\BIMEN\SYSTEMS\TFC\TFC\CONTROL\U4410DB-TCP02.dgn

- ① ROAD CLOSED
W20-3 48" X 48"
NEXT RIGHT
SP-4R 42" X 12"
- ② ROAD CLOSED AHEAD
W20-3 48" X 48"
- ③ DETOUR AHEAD
W20-2 48" X 48"
- ④ ROAD CLOSED
W20-3 48" X 48"
NEXT LEFT
SP-4L 42" X 12"
- ⑤ ROAD CLOSED 500 FT
W20-3 48" X 48"
- ⑥ ROAD CLOSED 1000 FT
W20-3 48" X 48"

- ⑦ DETOUR M4-8 24" X 12"
S ALSTON AVENUE SP 06441 42" X 24"
M6-3 21" X 15"
- ⑧ DETOUR M4-8 24" X 12"
S ALSTON AVENUE SP 06441 42" X 24"
M6-1 21" X 15"
- ⑨ END DETOUR M4-8 A 24" X 18"
S ALSTON AVENUE SP 06441 42" X 24"
- ⑩ DETOUR M4-8 24" X 12"
S ALSTON AVENUE SP 06441 42" X 24"
M6-1 L 21" X 15"
- ⑪ M4-8 24" X 12" DETOUR TO M4-5 24" X 12"
S ALSTON AVENUE SP 06441 42" X 24" 55 M1-5
M6-1 L 21" X 15" M6-1 L 21" X 15"
- ⑫ M4-8 24" X 12" DETOUR TO M4-5 24" X 12"
S ALSTON AVENUE SP 06441 42" X 24" 55 M1-5
M6-3 21" X 15"



- A R11-4 60"X30"
ROAD CLOSED TO THRU TRAFFIC
M4-10R 48"X18"
TYPE III BARRICADE
- B R11-4 60"X30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
- C R11-2 48"X30"
ROAD CLOSED
TYPE III BARRICADE
- D R11-4 60"X30"
ROAD CLOSED TO THRU TRAFFIC
M4-10L 48"X18"
TYPE III BARRICADE



REFER TO RSD 1101.03, SHEET 1 OF 9
 REFER TO RSD 1101.03, SHEET 2 OF 9

SEE SHEET TCP-7 FOR SIGN SP 06441 DESIGN DETAIL

APPROVED: *[Signature]* DATE: 11/10/07

**S. ALSTON AVENUE
 DETOUR DETAIL #1**

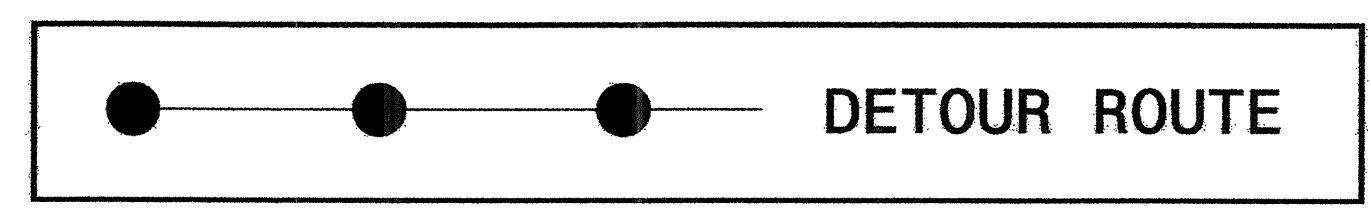
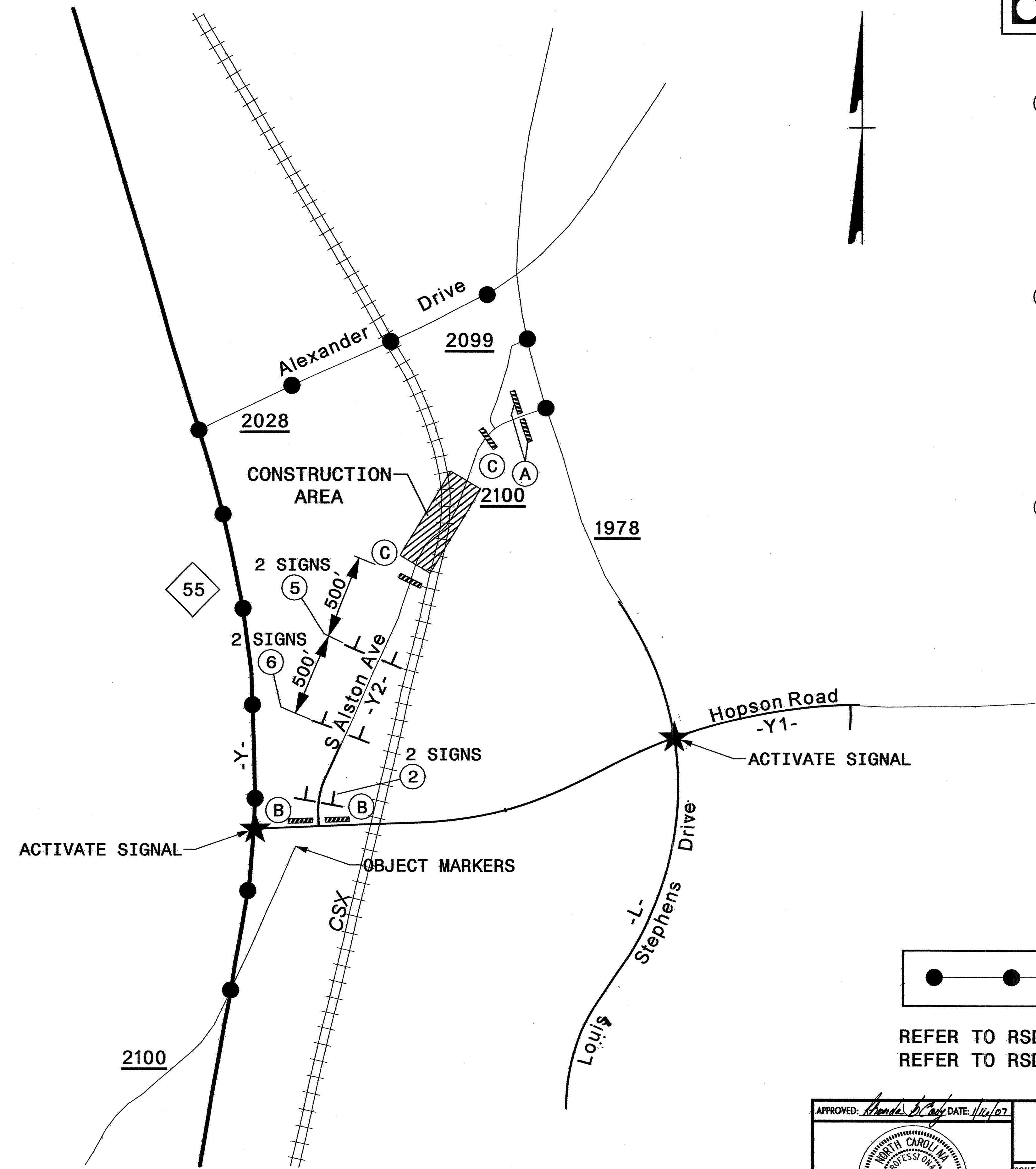
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DATE: 01/10/07		
DWG. BY: CHE		
DESIGN BY: RBE		

REVIEWED BY: RBE

\$\$\$\$\$ SYSTEMS TIME\$\$\$\$\$
 \$\$\$ USERNAME\$\$\$\$\$

- ② ROAD CLOSED AHEAD
W20-3
48" X 48"
- ⑤ ROAD CLOSED 500 FT
W20-3
48" X 48"
- ⑥ ROAD CLOSED 1000 FT
W20-3
48" X 48"

- A R11-4 60"X30"
ROAD CLOSED TO THRU TRAFFIC
M4-10R 48"X18"
DETOUR
TYPE III BARRICADE
- B R11-4 60"X30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
- C R11-2 48"X30"
ROAD CLOSED
TYPE III BARRICADE



REFER TO RSD 1101.03, SHEET 1 OF 9
 REFER TO RSD 1101.03, SHEET 2 OF 9

DETOUR SIGNS 1 THRU 12 ARE TO REMAIN IN PLACE AS SHOWN ON SHEET TCP-4 FOR 30 DAYS AFTER THE COMPLETION OF THE PROJECT UNLESS SPECIFIED OTHERWISE BY THE ENGINEER.

APPROVED: <i>Randa B. Early</i> DATE: 1/10/07	S. ALSTON AVENUE DETOUR DETAIL #2	
	SCALE: NONE	
	DATE: 01/10/07	
	DWG. BY: CHE	
	DESIGN BY: RBE	
REVIEWED BY: RBE	REVISIONS	

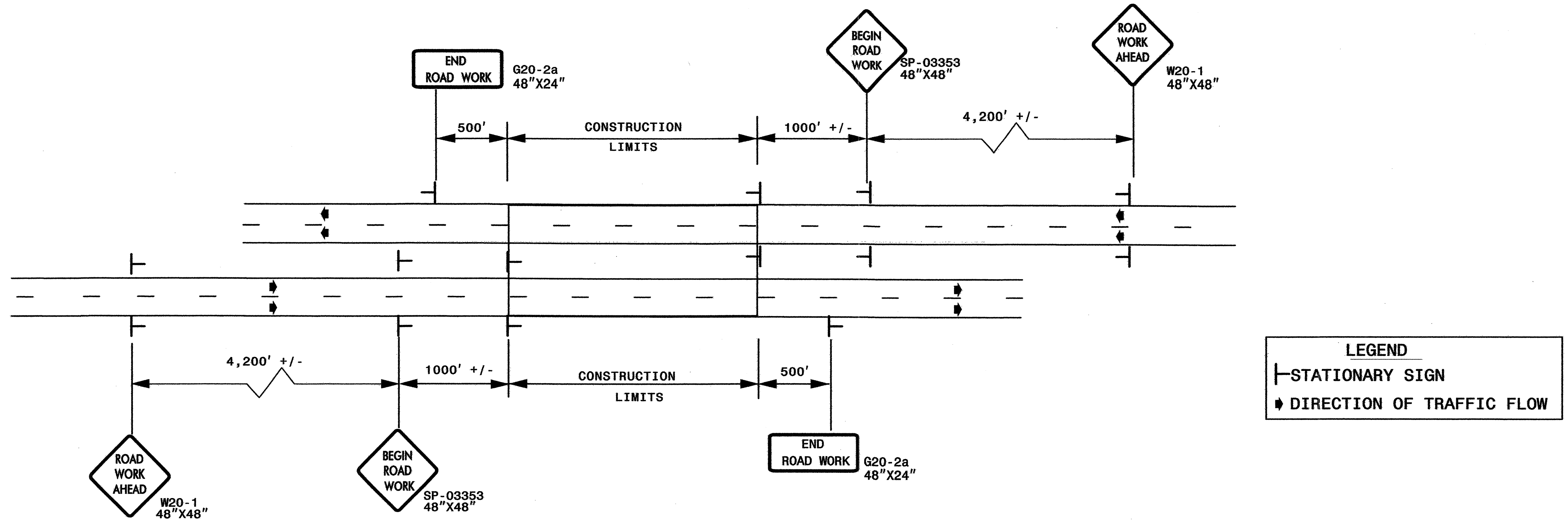
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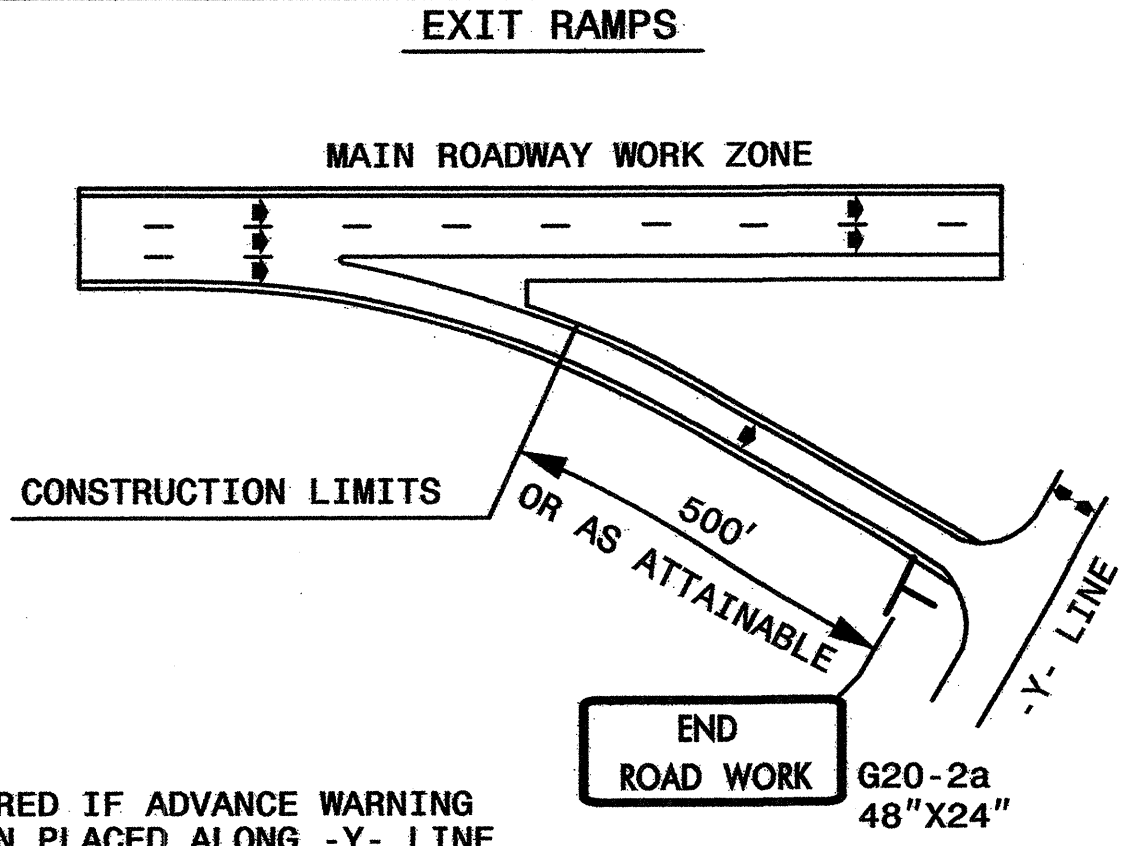
ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

PROJ. REFERENCE NO. U-4410DB	SHEET NO. TCP-06
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DETAIL A

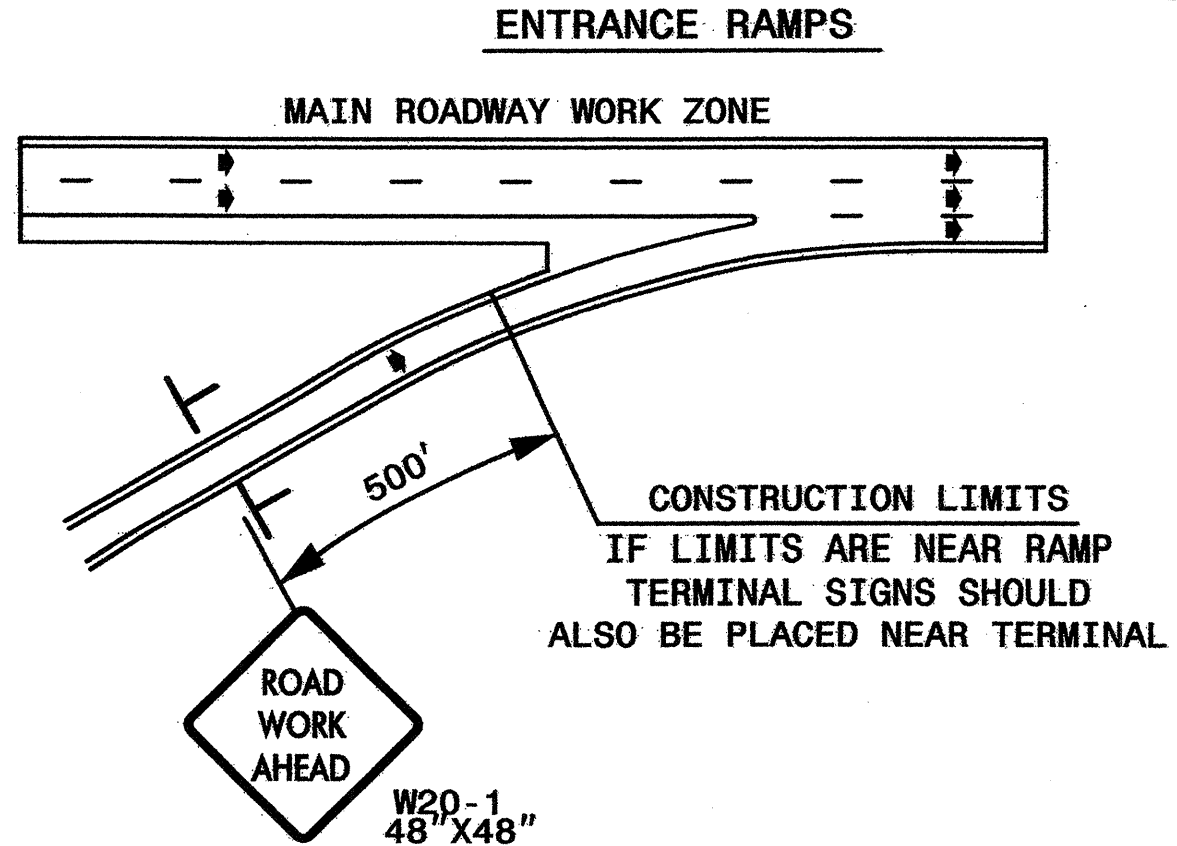


DETAIL B

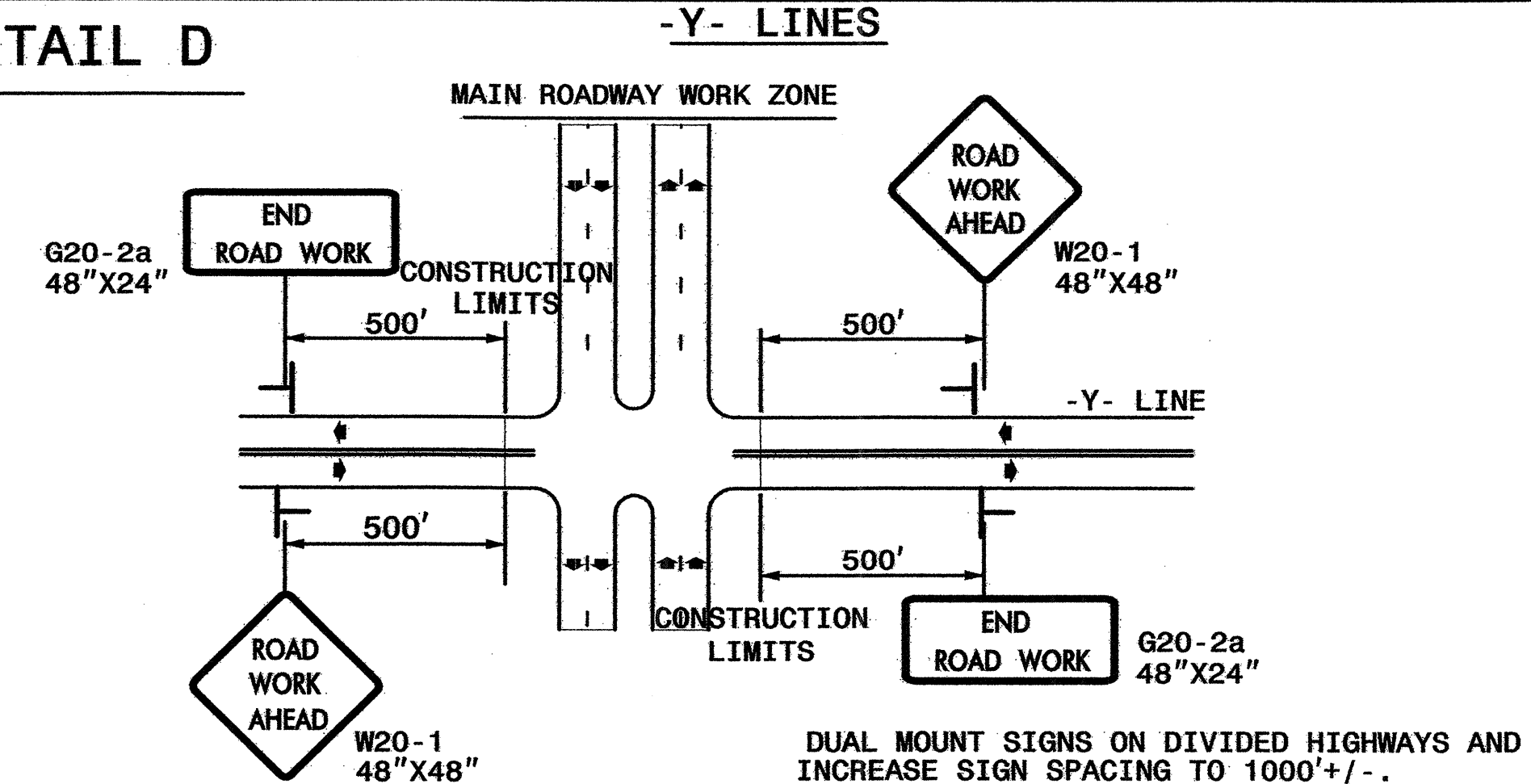


NOTE: SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



DETAIL D



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.

APPROVED: <i>Shanda B. Early</i> DATE: 1/12/07	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)	
	SCALE: NONE	
	DATE: 8/03	
	DWG. BY: JI	
	DESIGN BY: JI	
REVIEWED BY:	REVISIONS	03/04

\$\$\$\$\$SYTIME\$\$\$\$\$DCN\$\$\$\$\$USERNAME\$\$\$\$\$

SP 03353

SIGN NUMBER: SP-03353 TYPE: A QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.59" WIDTH: 0.75" RADIUS: 1.38" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: Fluorescent Orange COPY COLOR: Black	DESIGN BY: CL DOWNEY PROJECT ID: ALL PROJECTS	CHECKED BY: CHECKED DIV: DIV	STD #: W20-1 DATE: Aug 20, 2003
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SYMBOL	X	Y	WID	HT

BORDER
R=1.38"
TH=0.75"
IN=0.59"

LETTER POSITIONS

Letter spacings are to start of next letter

	B	E	G	I	N		Series/Size	
	22.4	5.3	4.6	5.4	2.5	3.8	22.4	C7
								21.6
	R	O	A	D				C7
								19.6
	23.4	5	5.2	5.6	3.8	23.4		C7
								21.2
	W	O	R	K				
	22.6	6.4	5.6	5.2	4	22.6		

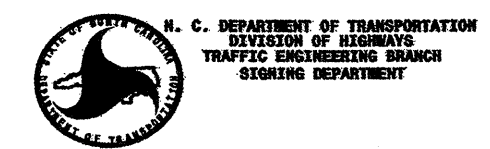
Spacing Factor is 1 unless specified otherwise

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

GENERAL NOTES FOR THE "BEGIN ROAD WORK" SIGN

-SIGN SP-03353 "BEGIN ROAD WORK" ONLY APPLIES TO FULL CONTROL AND PARTIAL CONTROL OF ACCESS ROADWAYS
-WHEN USED, INSTALL SIGN SP-03353 "BEGIN ROAD WORK" ACCORDING TO DETAIL A ON SHEET TCP-6.

SP 06441



SIGN NUMBER: SP06441 TYPE: D QUANTITY: 1 SIGN WIDTH: 42" HEIGHT: 24" TOTAL AREA: 7.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.63" RADIUS: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black	DESIGN BY: R. HENNEIN PROJECT ID: U-4410DB	CHECKED BY: DIV: 5	STD #: N/A DATE: Dec 05, 2006
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SYMBOL	X	Y	WID	HT

BORDER
R=1.5"
TH=0.63"
IN=0.38"

LETTER POSITIONS

Letter spacings are to start of next letter

	S	.	A	L	S	T	O	N		Series/Size		
	4.2	3.8	1	6	4.4	3.4	3.7	3.6	4.4	3.4	4.2	C 2000
												33.6
	A	V	E	N	U	E						C 2000
												25.3
	8.4	4.2	4.6	4.1	4.7	4.7	3.1	8.4				

Spacing Factor is 1 unless specified otherwise

FILENAME: SP06441_s_alstonavenue NORTH CAROLINA D.O.T. SIGN DETAIL

GENERAL NOTES FOR THE "S. ALSTON AVENUE" SIGN

-WHEN USED, INSTALL SIGN SP-06441 "S. ALSTON AVENUE" ACCORDING TO DETOUR DETAIL ON SHEET TCP-4.

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

APPROVED: <i>Randa B. Earl</i> DATE: 1/16/07	SIGN DESIGN DETAILS	
	SCALE: NONE	
	DATE: 12/06	
	DWG. BY:	
	DESIGN BY:	
REVIEWED BY:	REVISIONS	

SYSTEMS TIME DGN USER NAME