

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO. B-4298	SHEET NO. TCP-01
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**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
VANCE COUNTY**

B-4298

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"-
PROJECT SERVICES 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
1101.03	TEMPORARY ROAD CLOSURES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
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-01	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS AND PAVEMENT MARKING SCHEDULE
TCP-02	GENERAL NOTES AND PHASING
TCP-03	DETOUR ROUTE AND SIGNING
TCP-04	SPECIAL SIGN DESIGN

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)
- 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

PAVEMENT MARKING SCHEDULE

DESCRIPTION	QUANTITY BREAKDOWN	TOTAL QUANTITY
	PAINT (4")	
WHITE EDGELINE	7500 LF	
YELLOW DOUBLE CENTER	7500 LF	15000 LF
	PERMANENT RAISED PAVEMENT MARKERS	
YELLOW & YELLOW	47 EA	47 EA

TIP PROJECT:

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APPROVED: DATE: <u>April 3, 2007</u>	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
SEAL	STUART BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	J. STEVE KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	DON PARKER TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	STEPHEN SYKES TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

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 UNDESIRE 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- B) PROVIDE PERMANENT SIGNING.
 C) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
 D) THE CONTRACTOR WILL COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
 E) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- F) 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

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

ROAD NAME	MARKING	MARKER
SR 1107	PAINT	RAISED PERMANENT

- H) PLACE AT LEAST TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE ON NEW ASPHALT PAVEMENT. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.
 I) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
 J) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.

PHASING

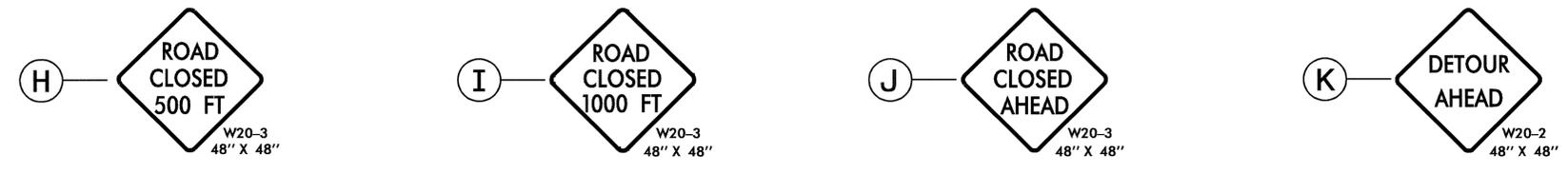
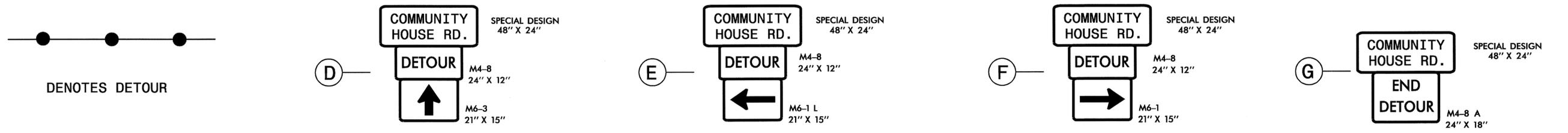
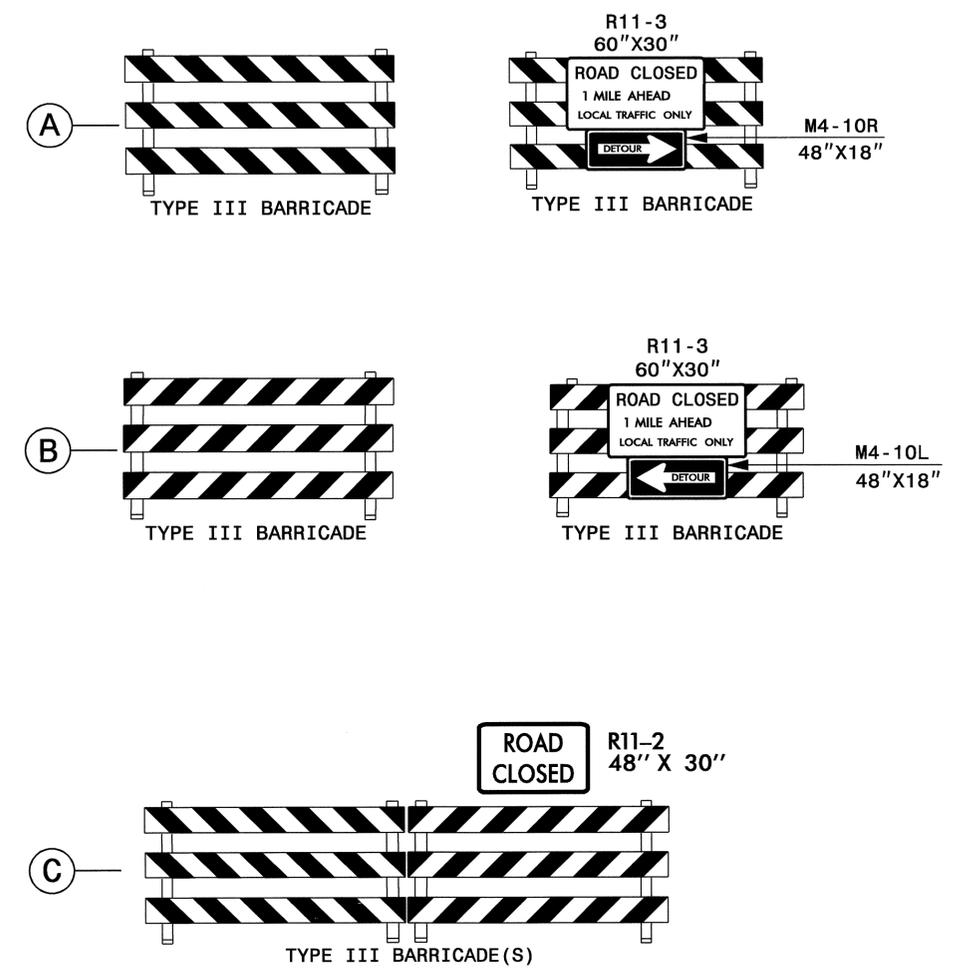
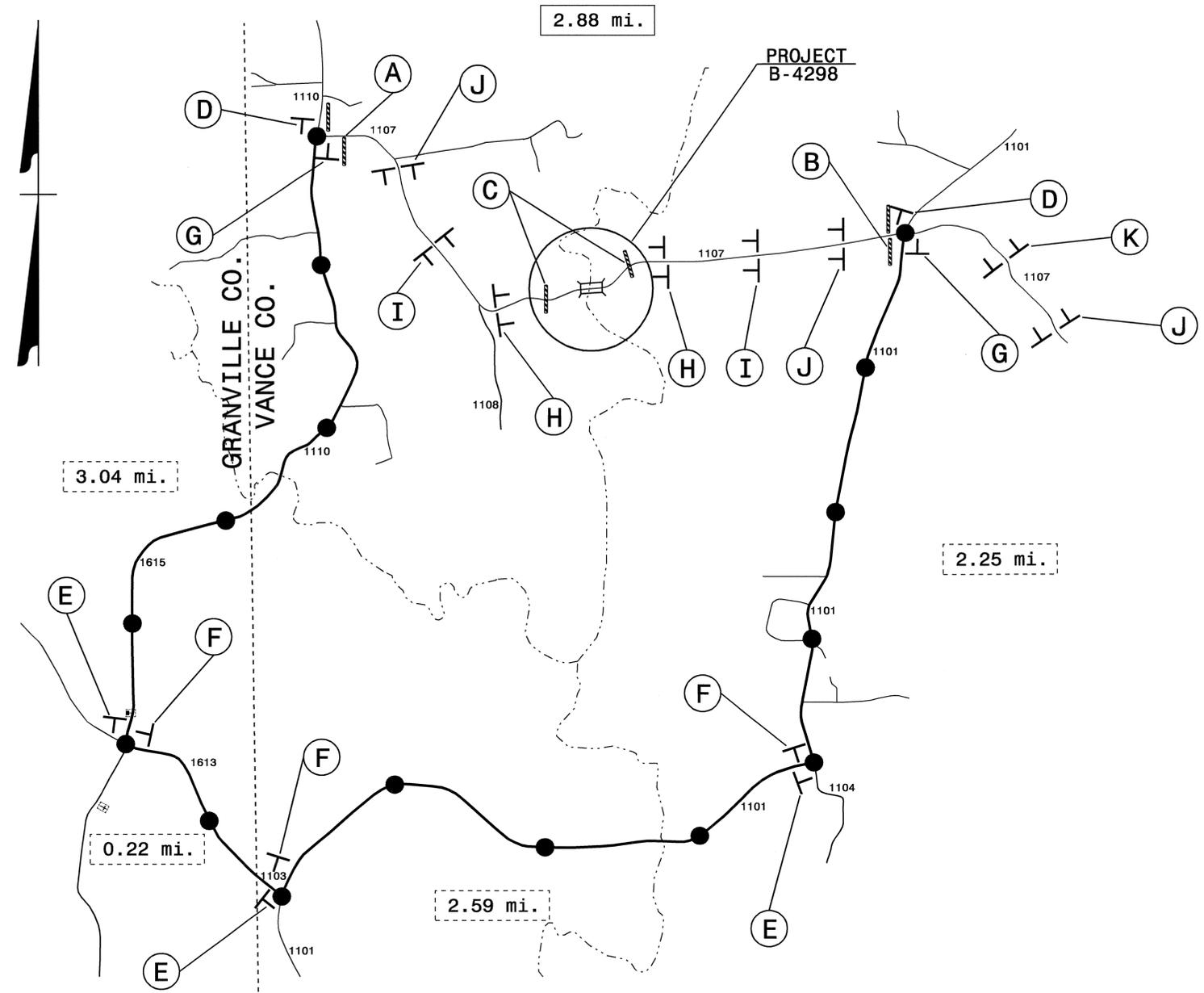
MAINTAIN ACCESS TO ALL RESIDENTS AT ALL TIMES DURING CONSTRUCTION.

- 1) USING ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, CLOSE SR 1107 AND PLACE TRAFFIC ON DETOUR AS SHOWN ON TCP-03.
- 2) REMOVE EXISTING STRUCTURE AND CONSTRUCT PROPOSED ROADWAY AND BRIDGE UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 11+75 +/- TO 30+50 +/- . PLACE FINAL PAVEMENT MARKINGS AND MARKERS.
- 3) REMOVE ALL TRAFFIC CONTROL DEVICES AND RE-OPEN SR 1107 TO TRAFFIC.

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APPROVED:  DATE: 4/3/07 	<h3 style="margin: 0;">GENERAL NOTES AND PHASING</h3>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">SCALE:</td> <td>NONE</td> </tr> <tr> <td style="font-size: small;">DATE:</td> <td>03/07</td> </tr> <tr> <td style="font-size: small;">DWG. BY:</td> <td>SJS</td> </tr> <tr> <td style="font-size: small;">DESIGN BY:</td> <td>SJS</td> </tr> <tr> <td style="font-size: small;">REVIEWED BY:</td> <td>DAP</td> </tr> </table>	SCALE:	NONE	DATE:	03/07	DWG. BY:	SJS	DESIGN BY:	SJS	REVIEWED BY:	DAP
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SEE ROADWAY STANDARD DRAWING 1101.03,
SHEET 1 OF 9, FOR ADDITIONAL DETAILS
AND NOTES



APPROVED: <i>[Signature]</i> DATE: 4/3/07	DETOUR ROUTE AND SIGNING									
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 sisykes AT WZTC22101

Sign Number:
Type: D Ground
Quantity: 1

Design By: DME
Project ID: B-4298

Check By:
DIV: 5

STD #: N/A
Date: Jun 29, 2006

N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT



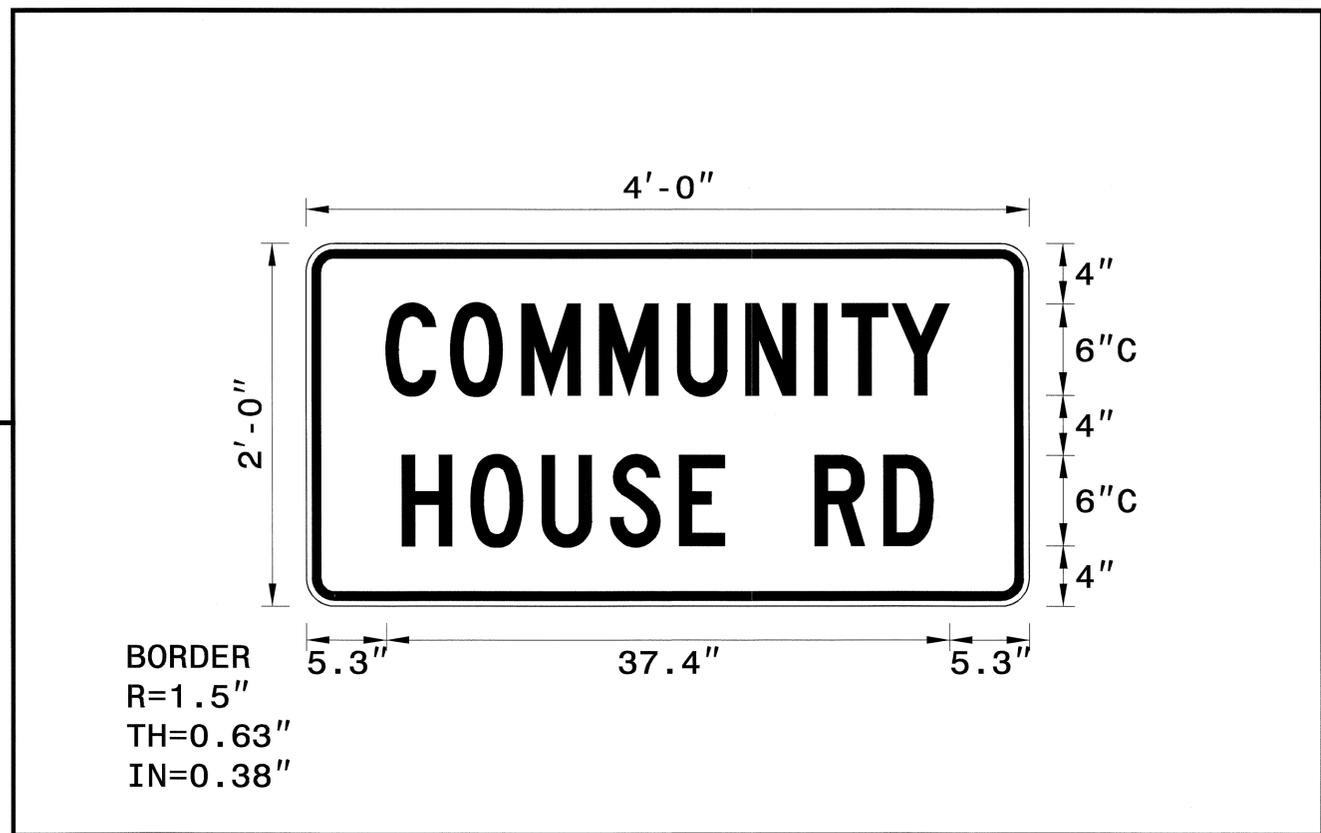
Sign Width: 4'-0"
Height: 2'-0"
Total Area: 8.0 Sq.Ft.

Background Color: Fluorescent Orange
Legend & Border Color: Black

Border Type: Recessed
Recess: 0.38"
Width: 0.63"
Radii: 1.5"

Backing Material: 0.125 in. Aluminum
0.079 in. Composite

- NOTES:
- Legend and border shall be direct applied non-reflective sheeting.
 - Background shall be Type VII, VIII, or IX (prismatic) retroreflective sheeting.



Letter spacings are to start of next letter

Letter spacings are to start of next letter											Series/Size Text Length	
	C	O	M	M	U	N	I	T	Y			C
5.3	4.3	4.7	5.2	5.2	4.6	4.6	1.8	3.3	3.8	5.3		37.4
	H	O	U	S	E		R	D				C
6.4	4.6	4.7	4.6	4.6	3	6	4.6	3.3	6.4			35.2

Spacing Factor is 1 unless specified otherwise

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sjs\kes AT WZTC240

APPROVED: <i>[Signature]</i> DATE: 4/2/07	SIGN DESIGN	
	SCALE: NONE	
	DATE: 03/07	
	DWG. BY: SJS	
	DESIGN BY: SJS	
REVIEWED BY: DAP	REVISIONS	