11. Appendix A

Map

Kent County Regional Evacuation Route Map

List of Diagrams

1. **US 113 and North Walnut Street**
2. **SR-1 and US 113**
3. **SR-1 and New Wharf Road**
4. **SR-1 and Thompsonville Road**
5. **SR-1/US 113 and Bowers Beach Road**
6. **SR-1 and Puncheon Run Connector**
7. **US 13 and DEL 8**
8. **US 13 and DEL 42**
9. **US 113 and DEL 14**
10. **US 13 and DEL 15**
11. **DEL 10 and DEL 15**
12. **US 13 and DEL 10**
13. **US 13 and Puncheon Run Connector**
14. **DEL 15 and DEL 8**
15. **US 13 and DEL 14**
16. **US 13 and DEL 12**
17. **US 13 and DEL 300**
18. **US 13 and US 113**
19. **SR-1 and US 113A**

KENT COUNTY EVACUATION REGION OVERALL MAP

Draft Nov 2006

LEGEND

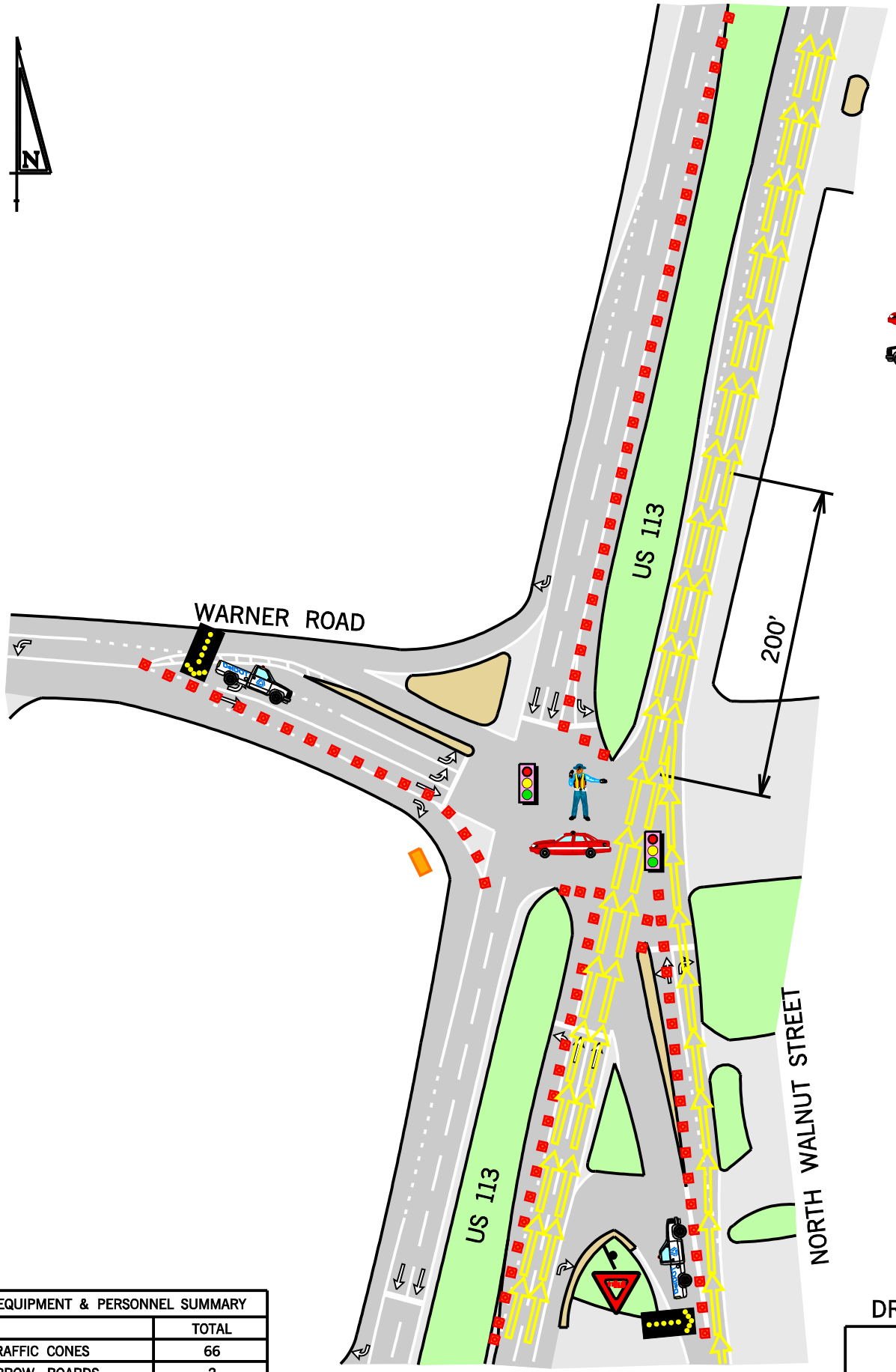
1 – US 113 AND NORTH WALNUT STREET
2 – US 113 AND SR-1
3 – SR-1 AND NEW WHARF ROAD
4 – SR-1 AND THOMPSONVILLE ROAD
5 – US 113 / SR-1 AND BOWERS BEACH ROAD
6 – SR-1 AND PUNCHEON RUN CONNECTOR
7 – US 13 AND DEL 8
8 – US 13 AND DEL 42
9 – US 113 AND DEL 14
10 – US 13 AND DEL 15
11 – DEL 15 AND DEL 10
12 – US 13 AND DEL 10
13 – US 13 AND PUNCHEON RUN CONNECTOR
14 – DEL 15 AND DEL 8
15 – US 13 AND DEL 14
16 – US 13 AND DEL 12
17 – US 13 AND DEL 300
18 – US 113 AND US 13
19 – SR-1 AND US 113A

PRIMARY EVACUATION ROUTES
SECONDARY EVACUATION ROUTES
EVACUATION ROUTES

Middletown
Odessa
Townsend
Smyrna
Leipsic
Kenton
Cheswold
Dover
Wyoming
Camden
Woodside
Magnolia
Viola
Felton
Frederica
Harrington
Houston
Milford
Farmington
Greenwood
Little Creek
Dover Air Force Base
Bowers Beach
Ellendale

NEW JERSEY
DELAWARE BAY
DELAWARE
MARYLAND
KENT COUNTY
NEW CASTLE COUNTY
KENT COUNTY
QUEEN ANNES COUNTY
CAROLINE COUNTY
CAROLINE COUNTY
KENT COUNTY
SUSSEX COUNTY

WOODLAND BEACH ROAD
PORT MAHON ROAD
PICKERING BEACH ROAD
PITTS HUMMOCK ROAD
MILLSBORRIE POINT ROAD
OLD BOWERS ROAD
BOWERS BEACH ROAD
SOUTH BOWERS BEACH ROAD
BENNETTS NECK ROAD
MOSLEY ROAD
MILFORD NECK ROAD
BIG STONE BEACH ROAD
THOMPSONVILLE ROAD
CEDAR BEACH RD
DUPONT BOULEVARD
WILKINS RD
COASTAL HWY
CEDAR CREEK RD
HICKMAN RD
SUSSEX HIGHWAY
SHAWNEE RD



LEGEND

- PINK TRAFFIC SIGNAL INDICATES SIGNAL NOT ON SYSTEM
- BLUE TRAFFIC SIGNAL INDICATES SIGNAL ON SYSTEM
- TRAFFIC CONE
- TRAFFIC CONTROLLER
- DIRECTS TRAFFIC
- PRIMARY DETOUR
- SECONDARY DETOUR
- EMER. VEHICLE BARRICADE
- DELDOT TRUCK
- ARROW BOARD
- VMS

EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	66
ARROW BOARDS	2
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	MILFORD
FIRE POLICE	MILFORD
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 3

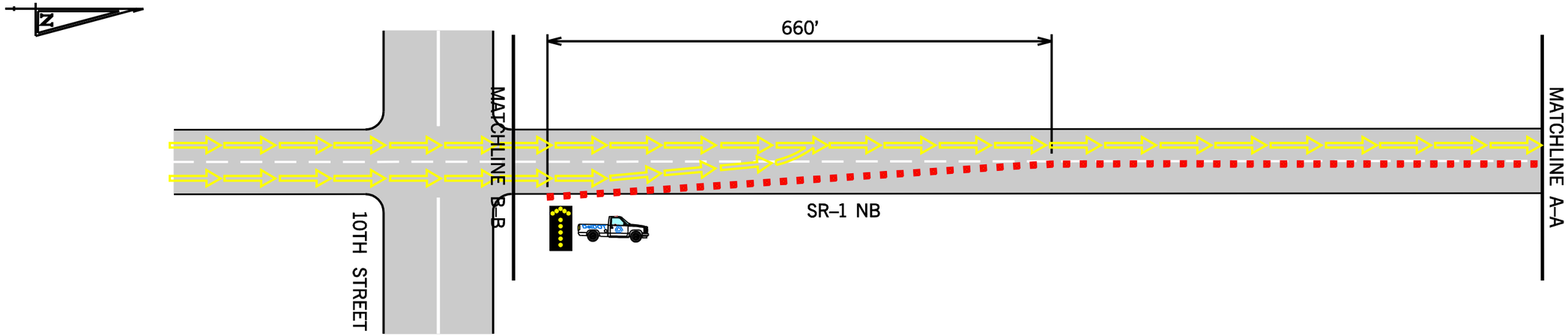
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 113	ALL TRAFFIC MUST TURN RIGHT – 400'	N/A
SB US 113	CLOSE LEFT TURN LANE – 525'	N/A
EB WARNER	ALL TRAFFIC MUST TURN RIGHT – 400'	N/A

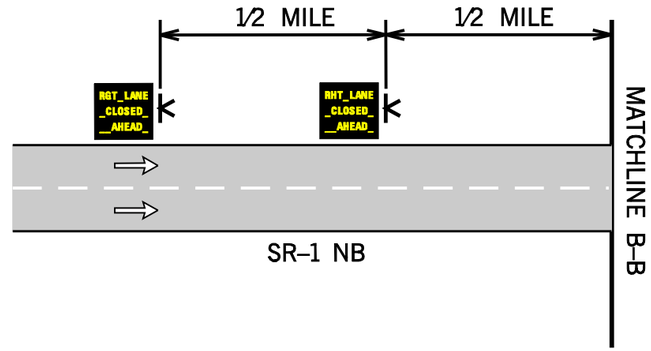
DRAWING NOT TO SCALE

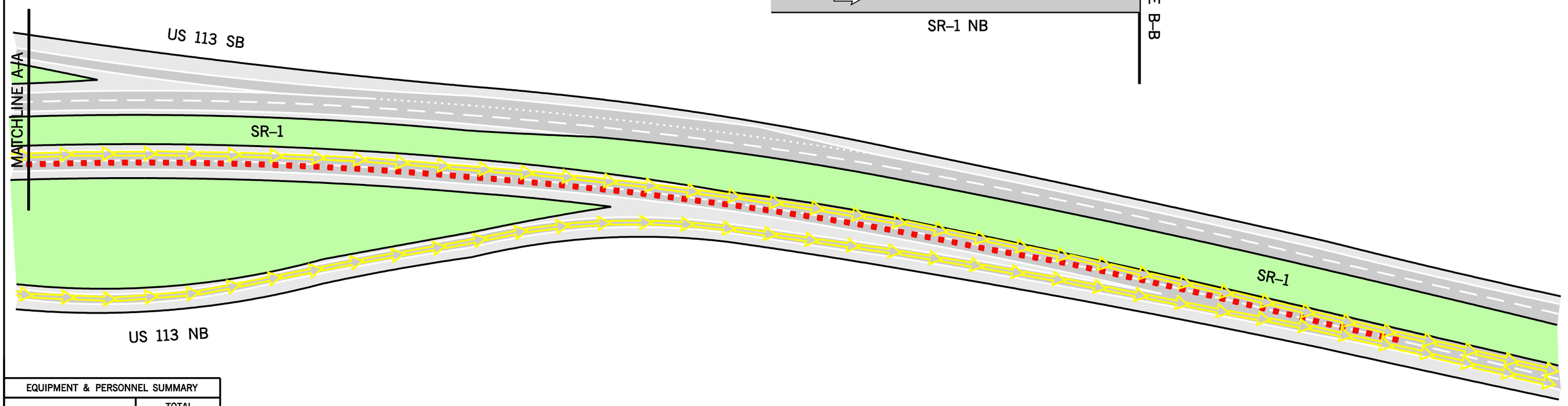
US 113 EVACUATION ROUTE

INTERSECTION OF US 113 AND NORTH WALNUT STREET

DATE:	BY:	REFERENCE NUMBER:
07/11/06	BJC	1







LEGEND

- PINK TRAFFIC SIGNAL INDICATES SIGNAL NOT ON SYSTEM
- BLUE TRAFFIC SIGNAL INDICATES SIGNAL ON SYSTEM
- TRAFFIC CONE
- TRAFFIC CONTROLLER
- DIRECTS TRAFFIC
- PRIMARY DETOUR
- SECONDARY DETOUR
- EMER. VEHICLE BARRICADE
- DELDOT TRUCK
- ARROW BOARD
- VMS

EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	225
ARROW BOARDS	1
VMS	1
DELDOT TRUCKS	1
DEL. STATE POLICE	N/A
LOCAL POLICE	MILFORD
FIRE POLICE	MILFORD
BARRICADE	0
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 6

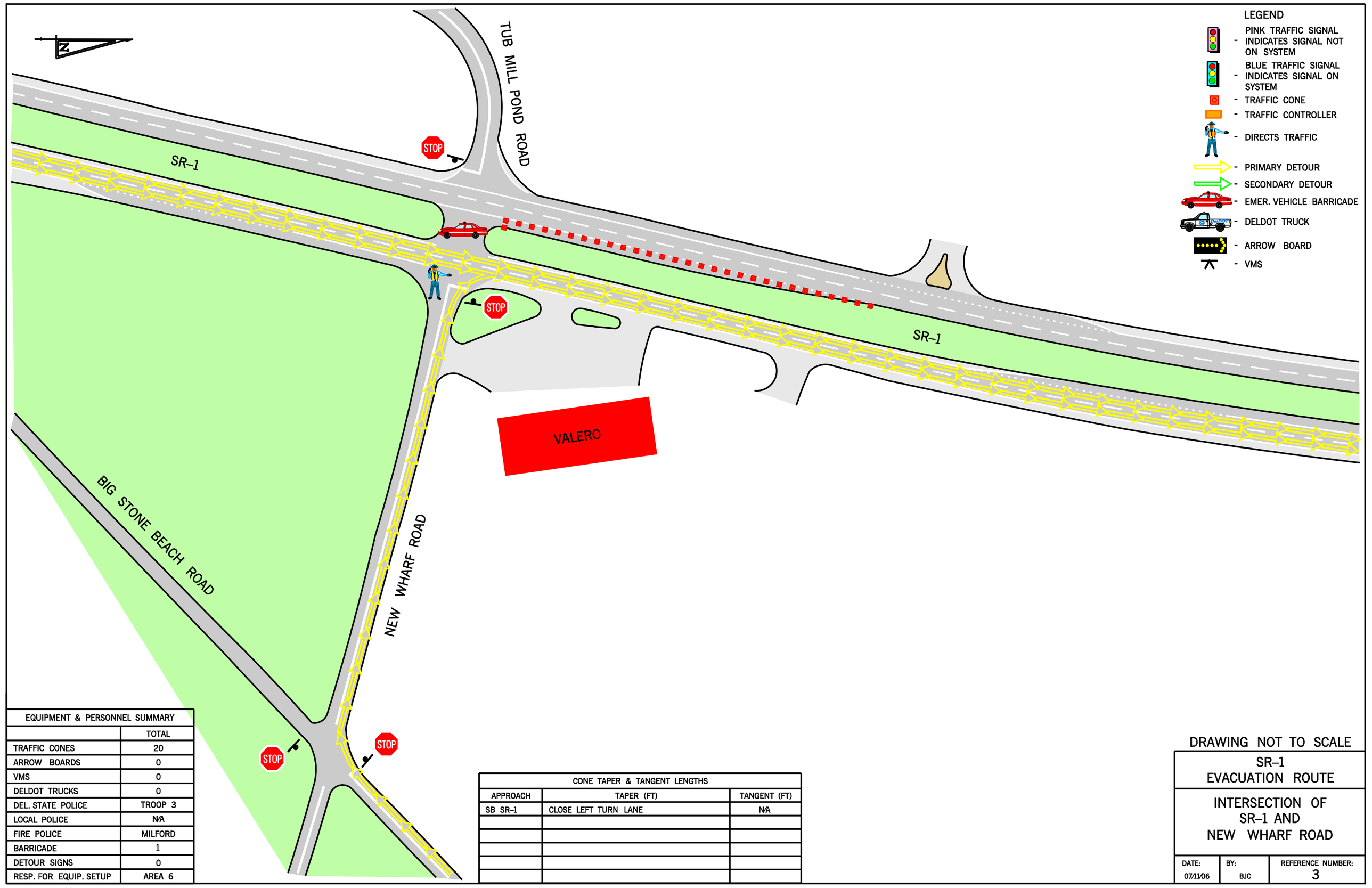
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB SR–1	CLOSE SR–1 NB – 660'	5300'

DRAWING NOT TO SCALE

SR–1 /US 113
EVACUATION ROUTE

INTERSECTION OF
SR–1 AND US 113

DATE:	BY:	REFERENCE NUMBER:
07/06/06	BJC	2



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	20
ARROW BOARDS	0
VMS	0
DELDOT TRUCKS	0
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	MILFORD
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 6

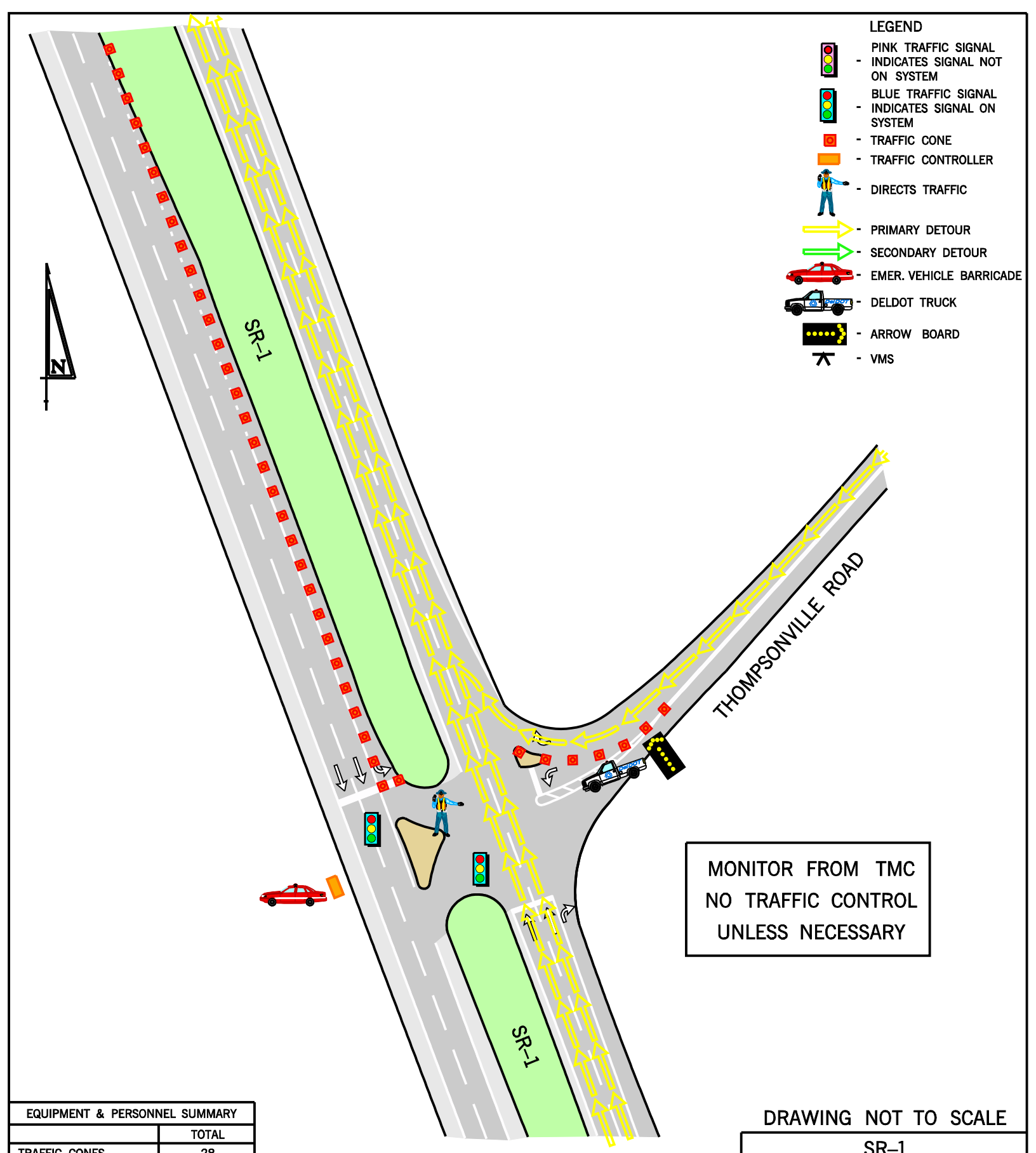
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
SB SR–1	CLOSE LEFT TURN LANE	N/A

DRAWING NOT TO SCALE

SR–1
EVACUATION ROUTE

INTERSECTION OF
SR–1 AND
NEW WHARF ROAD

DATE:	BY:	REFERENCE NUMBER:
07/11/06	BJC	3



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	28
ARROW BOARDS	1
VMS	0
DELDOT TRUCKS	1
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	MILFORD
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 6

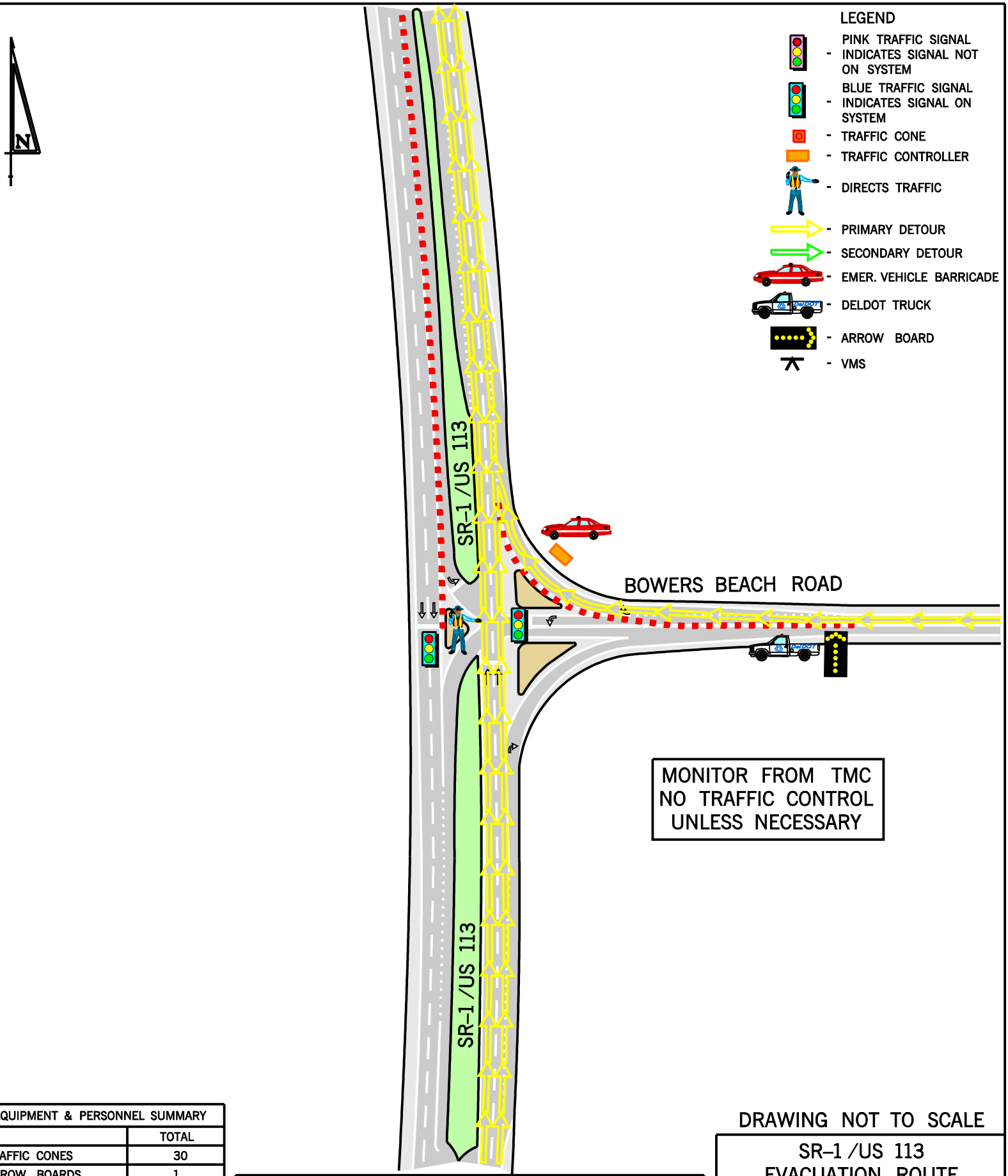
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
SB SR-1	CLOSE LEFT TURN LANE – 550'	N/A
WB THOMPSON	ALL TRAFFIC MUST TURN RIGHT – 150'	N/A

DRAWING NOT TO SCALE

SR-1 EVACUATION ROUTE

INTERSECTION OF SR-1 AND THOMPSONVILLE ROAD

DATE:	BY:	REFERENCE NUMBER:
07/12/06	BJC	4



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	30
ARROW BOARDS	1
VMS	0
DELDOT TRUCKS	1
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	ZONE
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

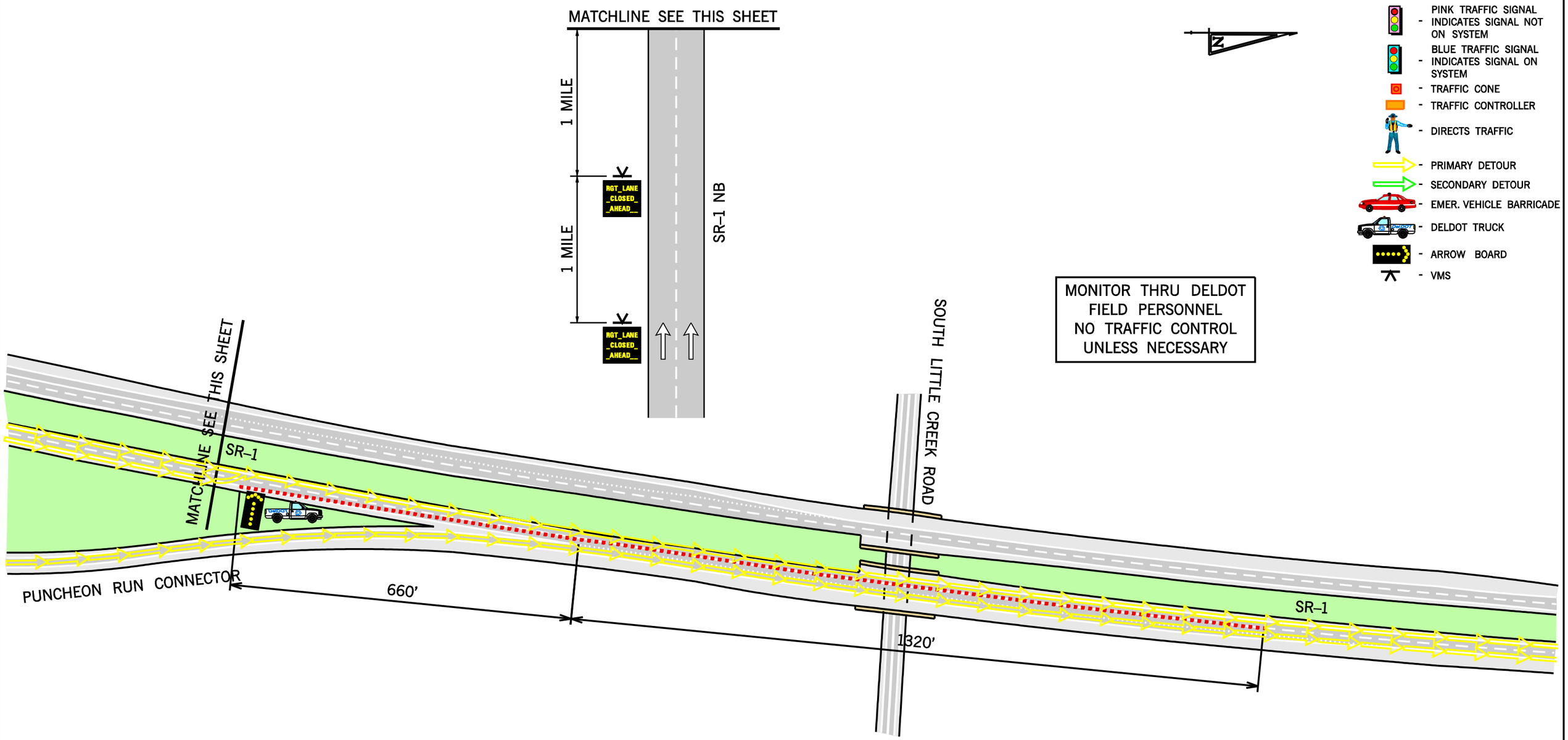
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
WB BOWERS	ALL TRAFFIC MUST TURN RIGHT	N/A
SB SR-1	CLOSE LEFT TURN LANE	N/A

DRAWING NOT TO SCALE

SR-1 /US 113 EVACUATION ROUTE

INTERSECTION OF SR-1 /US 113 AND BOWERS BEACH ROAD

DATE:	BY:	REFERENCE NUMBER:
07/13/06	BJC	5



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	66
ARROW BOARDS	1
VMS	2
DELDOT TRUCKS	1
DEL. STATE POLICE	N/A
LOCAL POLICE	DOVER
FIRE POLICE	DOVER
BARRICADE	0
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

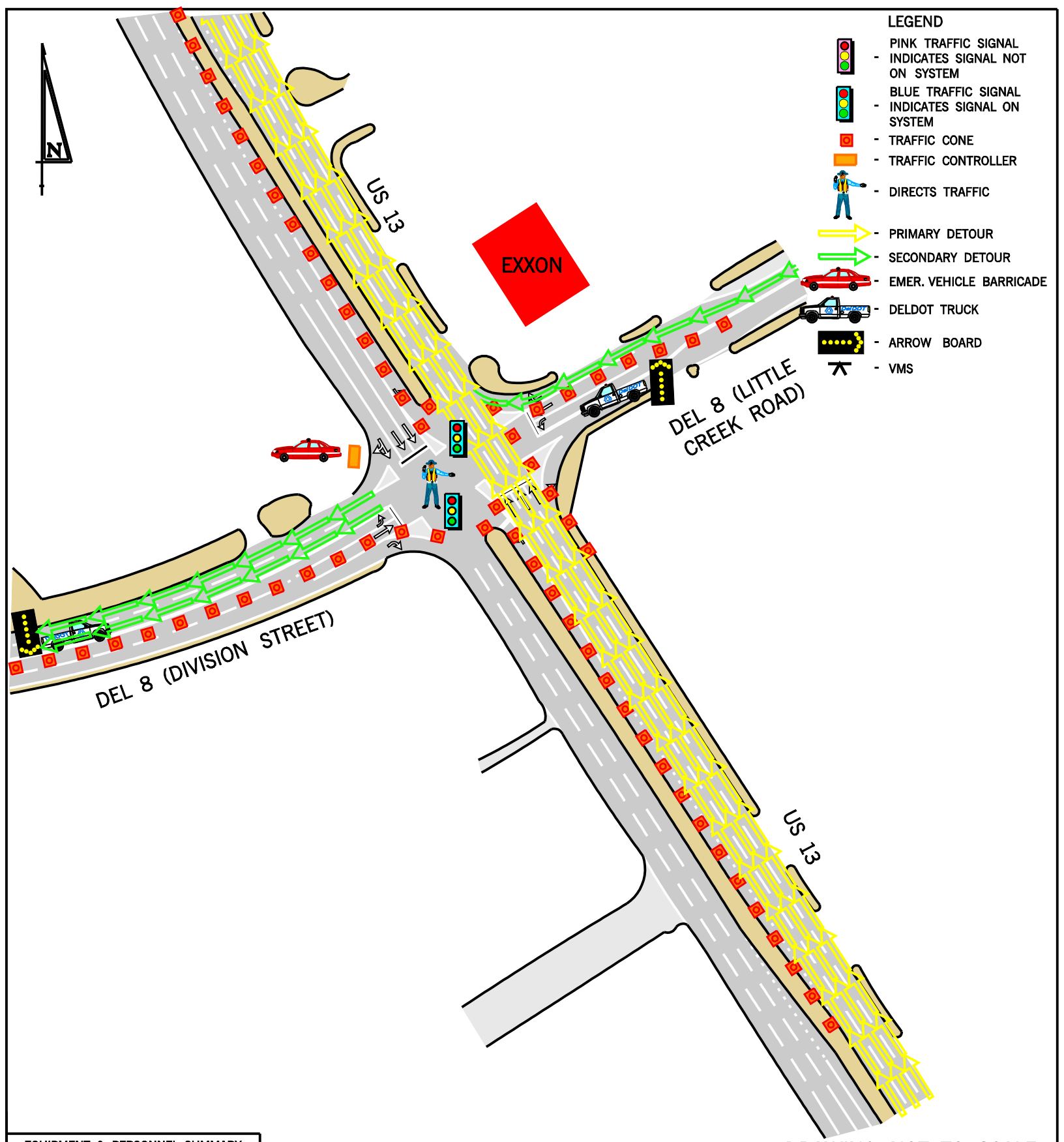
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB SR–1	CLOSE RIGHT LANE – 660'	1320'

DRAWING NOT TO SCALE

SR–1
EVACUATION ROUTE

INTERSECTION OF SR–1 AND PUNCHEON RUN CONNECTOR

DATE:	BY:	REFERENCE NUMBER:
07/17/06	BJC	6



DRAWING NOT TO SCALE

EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	90
ARROW BOARDS	2
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	DOVER
FIRE POLICE	DOVER
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 8

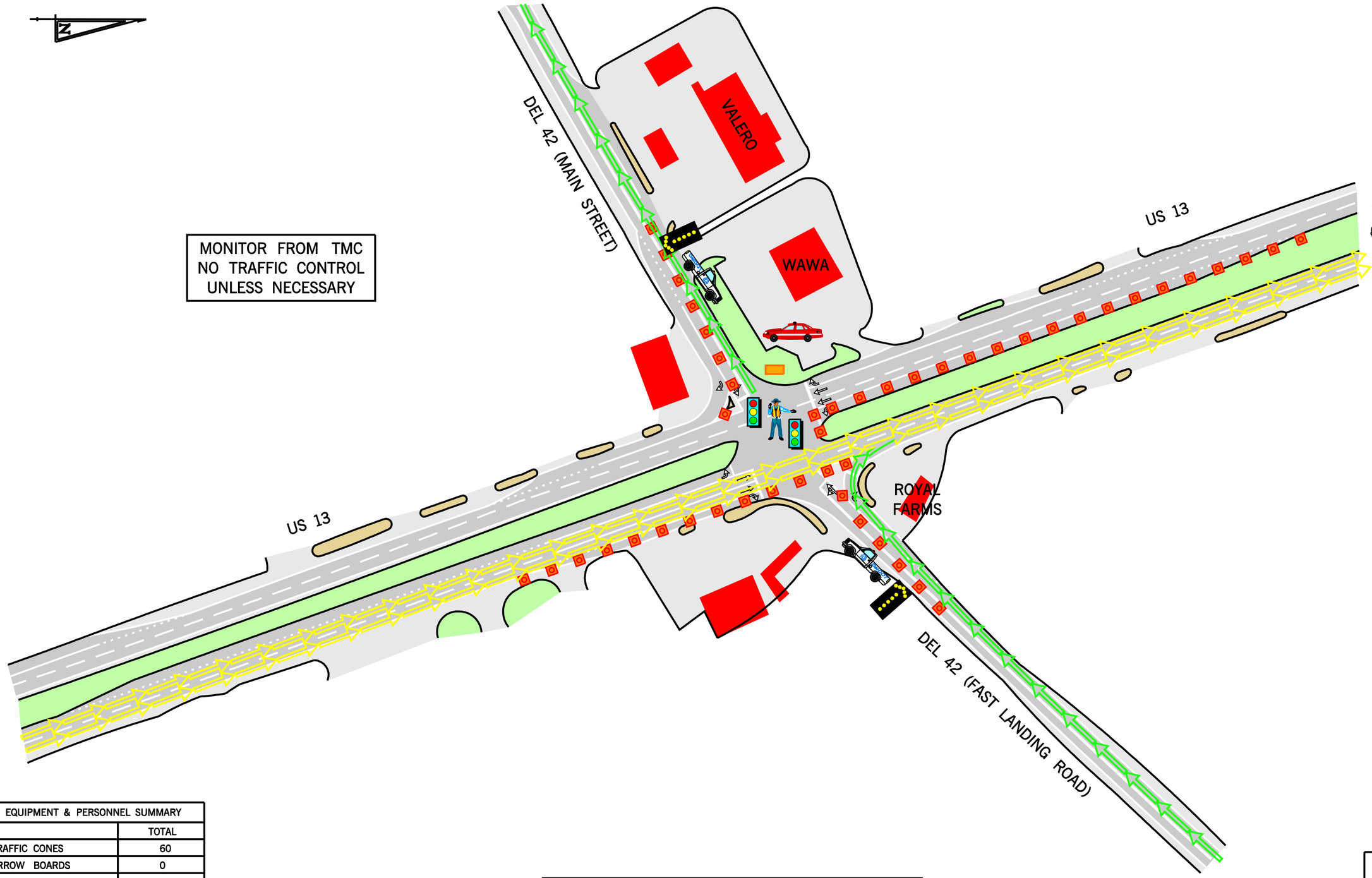
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 13	CLOSE RIGHT TURN LANE – 125'	N/A
NB US 13	CLOSE LEFT TURN LANE – 560'	N/A
SB US 13	CLOSE LEFT TURN LANE – 470'	N/A
EB DEL 8	ALL TRAFFIC MUST TURN RIGHT – 850'	N/A
WB DEL 8	ALL TRAFFIC MUST TURN RIGHT – 200'	N/A

US 13 EVACUATION ROUTE

INTERSECTION OF US 13 AND DEL 8

DATE:	BY:	REFERENCE NUMBER:
07/17/06	BJC	7

MONITOR FROM TMC
NO TRAFFIC CONTROL
UNLESS NECESSARY



LEGEND

- PINK TRAFFIC SIGNAL INDICATES SIGNAL NOT ON SYSTEM
- BLUE TRAFFIC SIGNAL INDICATES SIGNAL ON SYSTEM
- TRAFFIC CONE
- TRAFFIC CONTROLLER
- DIRECTS TRAFFIC
- PRIMARY DETOUR
- SECONDARY DETOUR
- EMER. VEHICLE BARRICADE
- DELDOT TRUCK
- ARROW BOARD
- VMS

EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	60
ARROW BOARDS	0
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	CHESWOLD
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 8

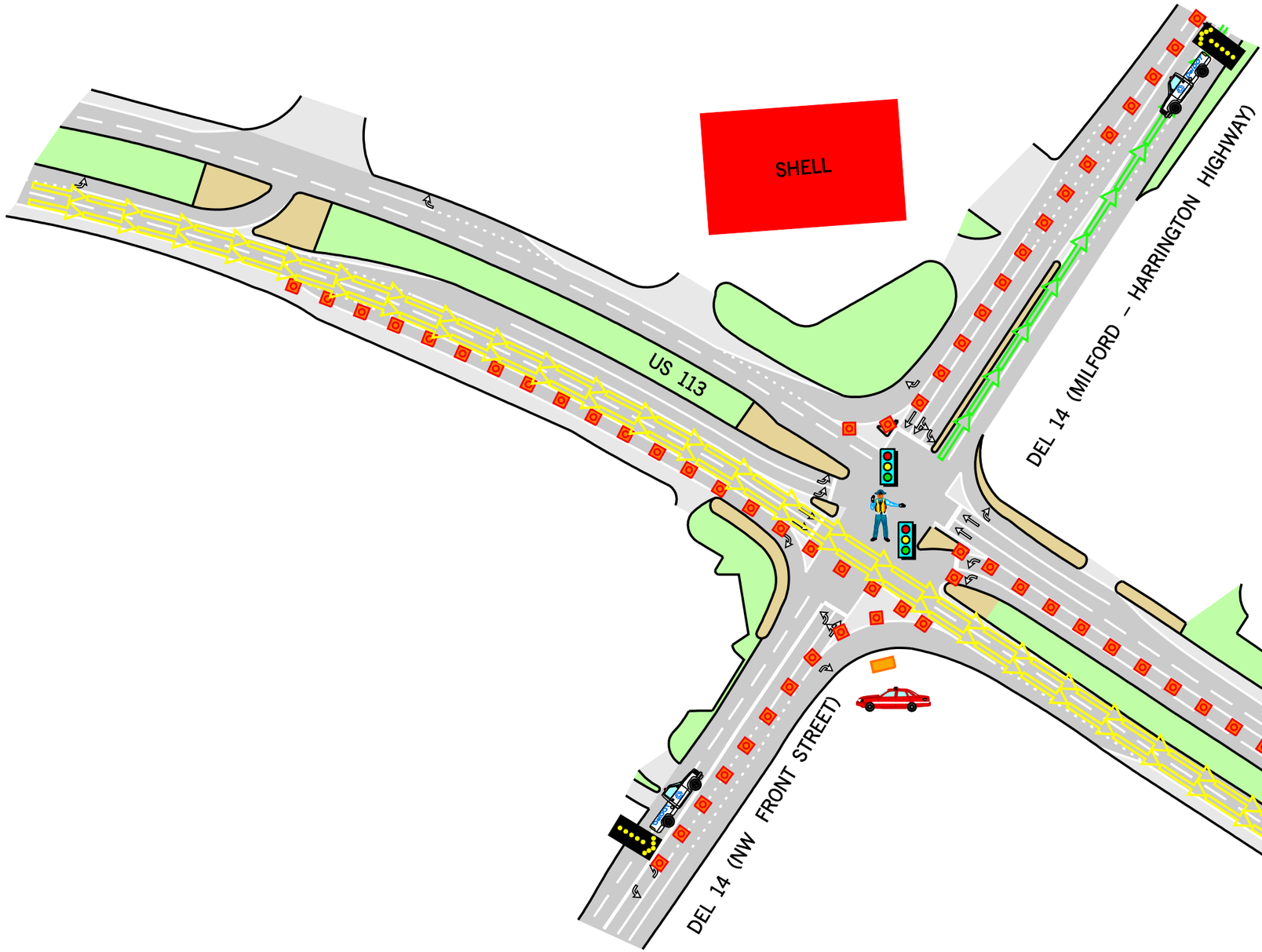
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 13	CLOSE RIGHT TURN LANE – 425'	N/A
SB US 13	CLOSE LEFT TURN LANE – 625'	N/A
EB DEL 42	ALL TRAFFIC MUST TURN RIGHT – 275'	N/A
WB DEL 42	ALL TRAFFIC MUST TURN RIGHT – 200'	N/A

DRAWING NOT TO SCALE

US 13
EVACUATION ROUTE

INTERSECTION OF
US 13 AND DEL 42

DATE:	BY:	REFERENCE NUMBER:
07/18/06	TC	8



LEGEND

- PINK TRAFFIC SIGNAL INDICATES SIGNAL NOT ON SYSTEM
- BLUE TRAFFIC SIGNAL INDICATES SIGNAL ON SYSTEM
- TRAFFIC CONE
- TRAFFIC CONTROLLER
- DIRECTS TRAFFIC
- PRIMARY DETOUR
- SECONDARY DETOUR
- EMER. VEHICLE BARRICADE
- DELDOT TRUCK
- ARROW BOARD
- VMS

MONITOR FROM TMC
NO TRAFFIC CONTROL
UNLESS NECESSARY

EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	115
ARROW BOARDS	2
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	MILFORD
FIRE POLICE	MILFORD
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 6

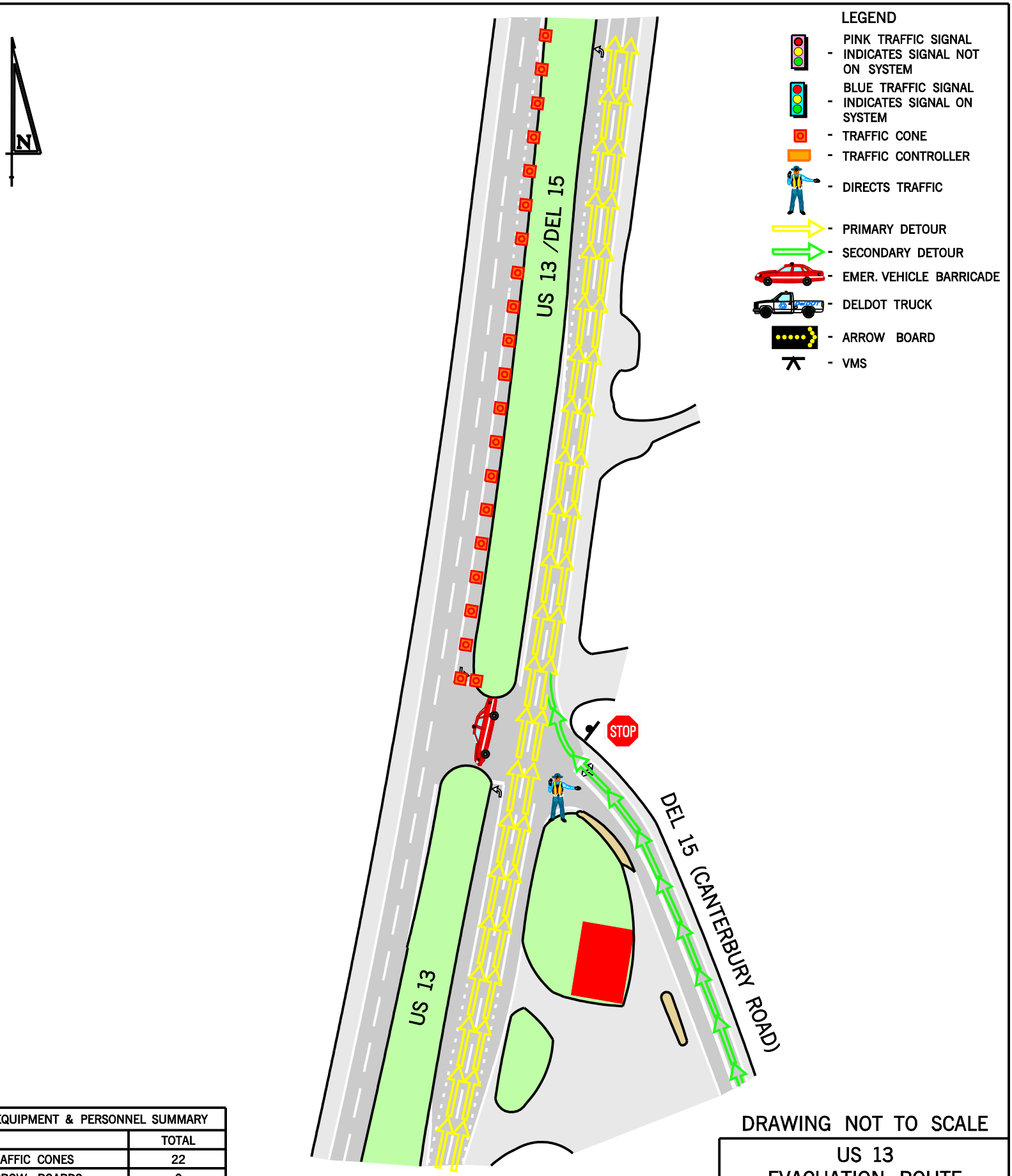
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 113	CLOSE RIGHT TURN LANE – 750'	N/A
SB US 113	CLOSE LEFT TURN LANE – 725'	N/A
EB DEL 14	ALL TRAFFIC MUST TURN RIGHT – 900'	N/A
WB DEL 14	ALL TRAFFIC MUST TURN RIGHT – 400'	N/A

DRAWING NOT TO SCALE

US 113
EVACUATION ROUTE

INTERSECTION OF
US 113 AND DEL 14

DATE:	BY:	REFERENCE NUMBER:
07/18/06	BJC	9



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	22
ARROW BOARDS	0
VMS	0
DELDOT TRUCKS	0
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	FELTON
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

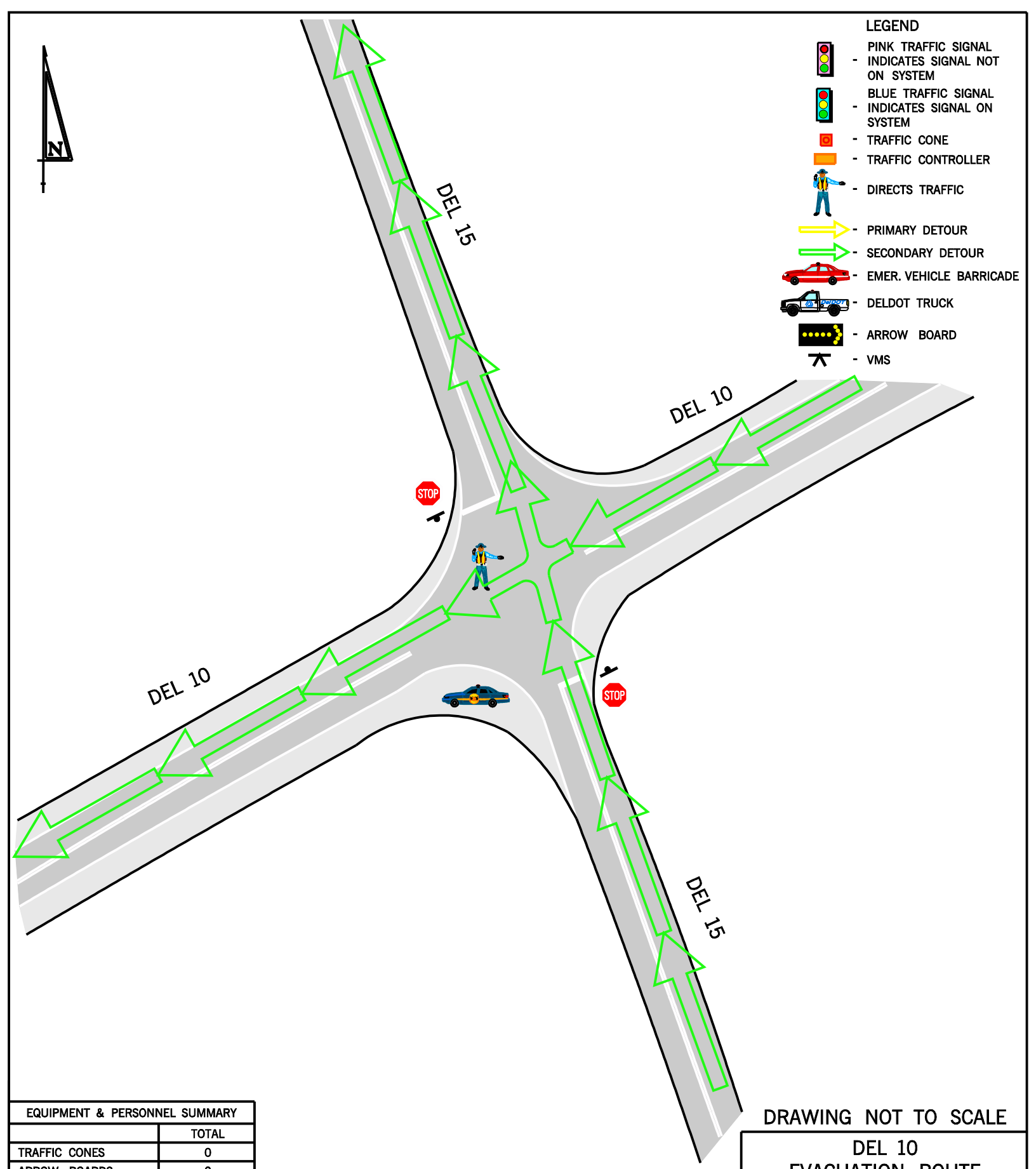
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
SB US 13	CLOSE LEFT TURN LANE – 525'	N/A
		N/A

DRAWING NOT TO SCALE

US 13 EVACUATION ROUTE

INTERSECTION OF US 13 AND DEL 15 (SOUTH)

DATE:	BY:	REFERENCE NUMBER:
07/21/06	TC	10



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	0
ARROW BOARDS	0
VMS	0
DELDOT TRUCKS	0
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	CAMDEN
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

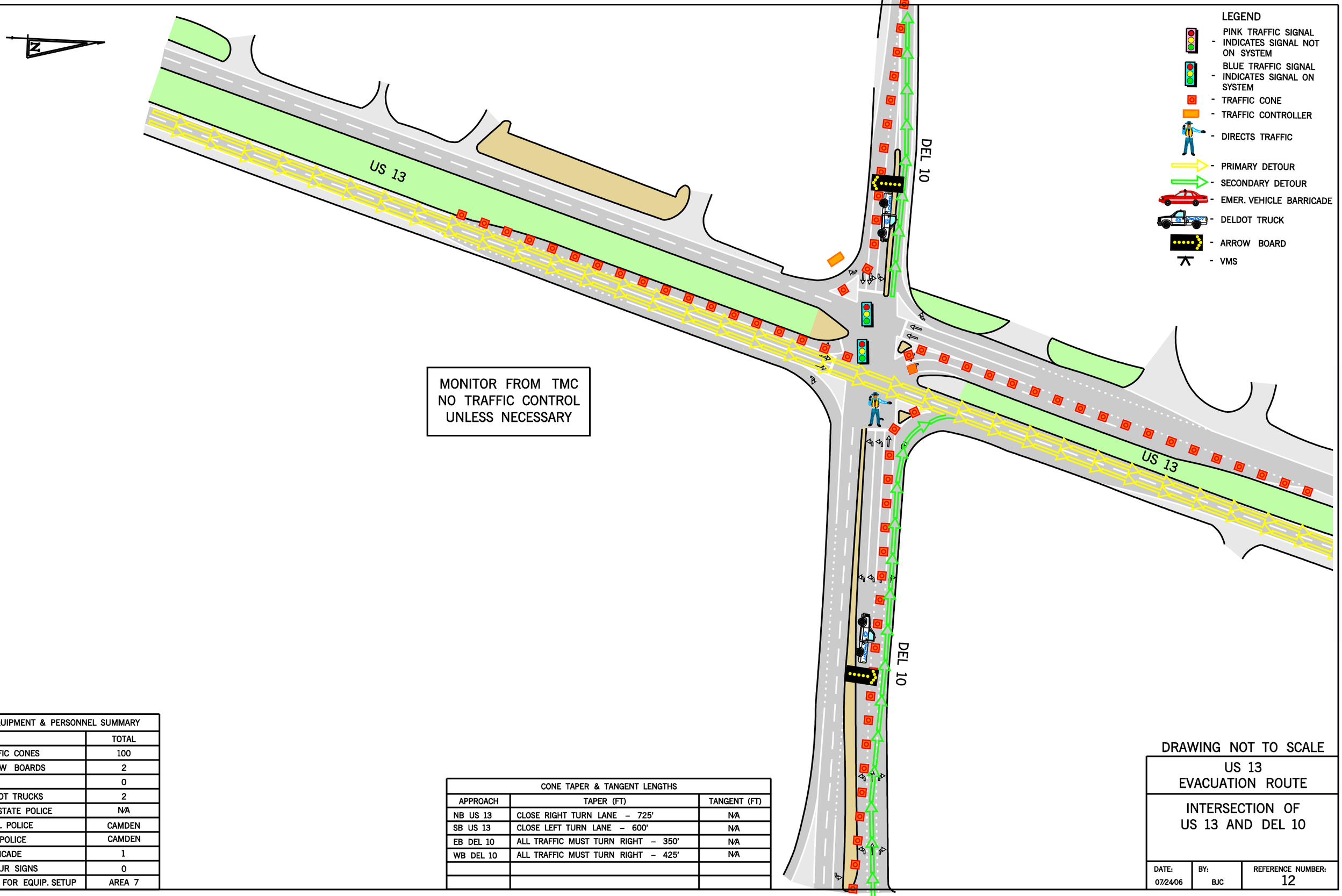
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
N/A	N/A	N/A

DRAWING NOT TO SCALE

DEL 10 EVACUATION ROUTE

INTERSECTION OF DEL 10 AND DEL 15

DATE:	BY:	REFERENCE NUMBER:
07/21/06	BJC	11



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	100
ARROW BOARDS	2
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	CAMDEN
FIRE POLICE	CAMDEN
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

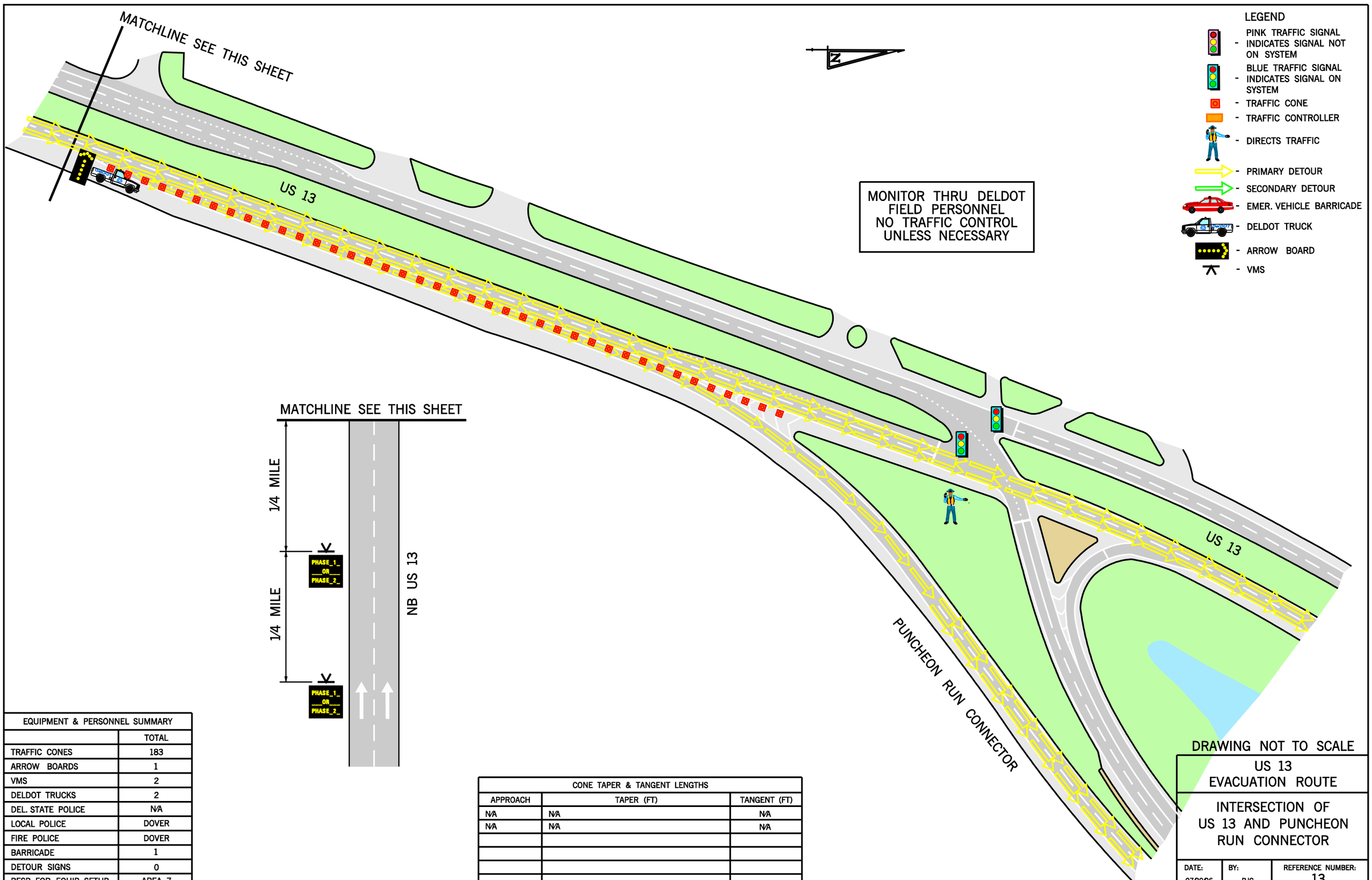
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 13	CLOSE RIGHT TURN LANE – 725'	N/A
SB US 13	CLOSE LEFT TURN LANE – 600'	N/A
EB DEL 10	ALL TRAFFIC MUST TURN RIGHT – 350'	N/A
WB DEL 10	ALL TRAFFIC MUST TURN RIGHT – 425'	N/A

DRAWING NOT TO SCALE

US 13 EVACUATION ROUTE

INTERSECTION OF US 13 AND DEL 10

DATE:	BY:	REFERENCE NUMBER:
07/24/06	BJC	12



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	183
ARROW BOARDS	1
VMS	2
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	DOVER
FIRE POLICE	DOVER
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

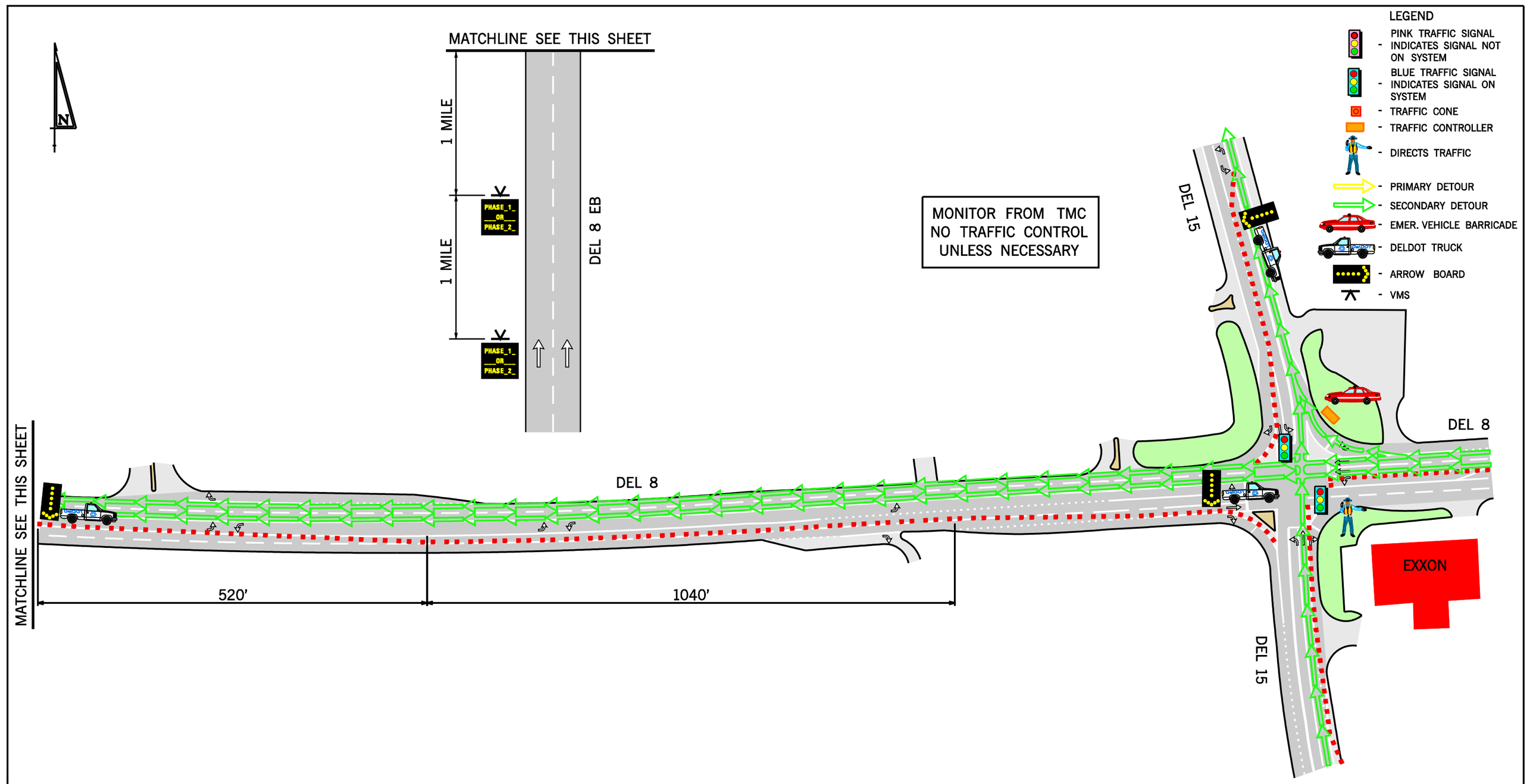
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
N/A	N/A	N/A
N/A	N/A	N/A

DRAWING NOT TO SCALE

US 13 EVACUATION ROUTE

INTERSECTION OF US 13 AND PUNCHEON RUN CONNECTOR

DATE:	BY:	REFERENCE NUMBER:
07/2006	BJC	13



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	104
ARROW BOARDS	3
VMS	2
DELDOT TRUCKS	3
DEL. STATE POLICE	N/A
LOCAL POLICE	DOVER
FIRE POLICE	DOVER
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 8

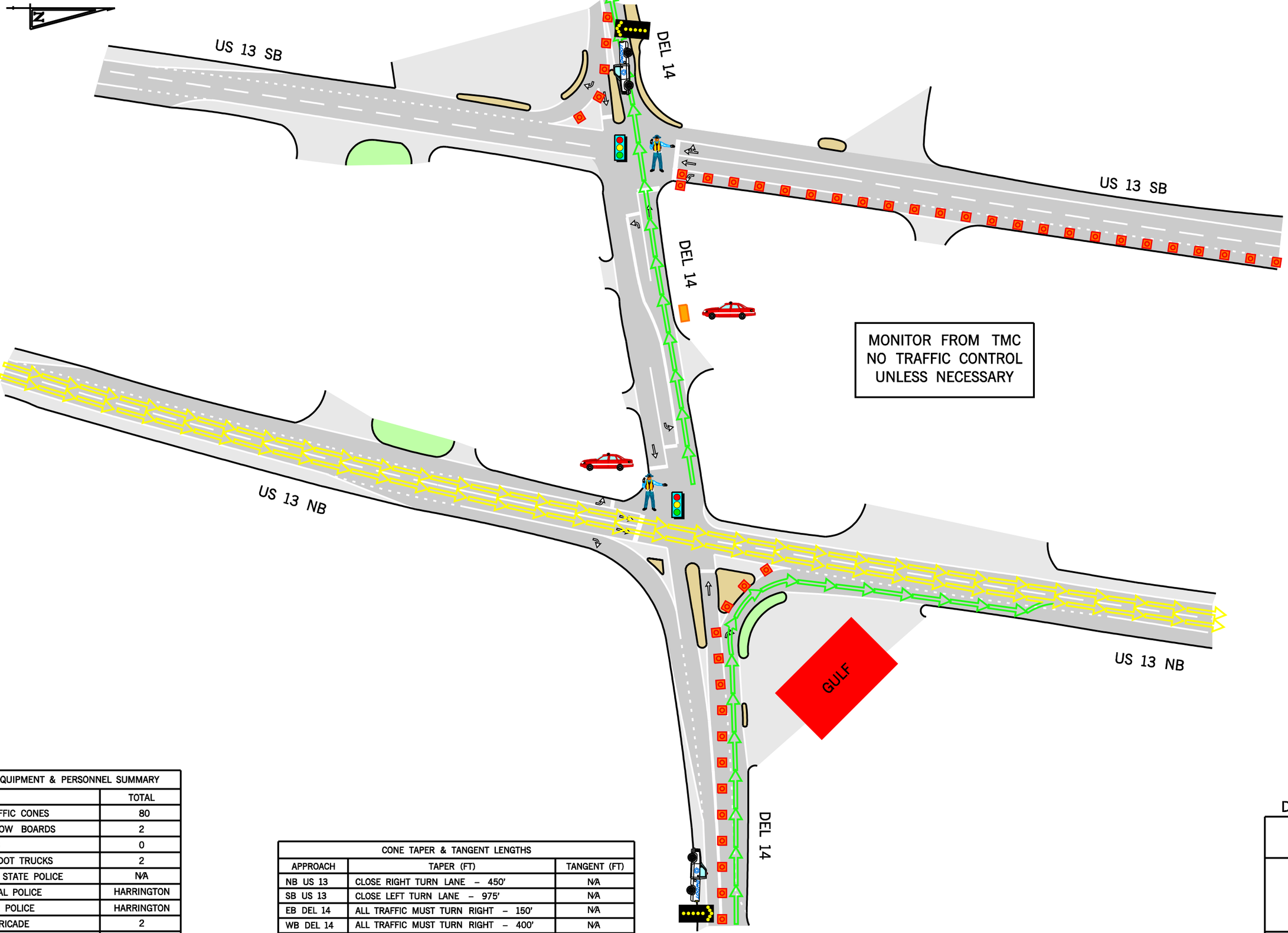
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB DEL 15	CLOSE RIGHT TURN LANE – 300'	N/A
SB DEL 15	ALL TRAFFIC MUST TURN RIGHT – 350'	N/A
EB DEL 8	ALL TRAFFIC MUST TURN RIGHT – 520'	1040'
WB DEL 8	CLOSE LEFT TURN LANE – 225'	N/A

DRAWING NOT TO SCALE

DEL 8 EVACUATION ROUTE

INTERSECTION OF DEL 15 AND DEL 8

DATE:	BY:	REFERENCE NUMBER:
07/26/06	BJC	14



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	80
ARROW BOARDS	2
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	HARRINGTON
FIRE POLICE	HARRINGTON
BARRICADE	2
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 6

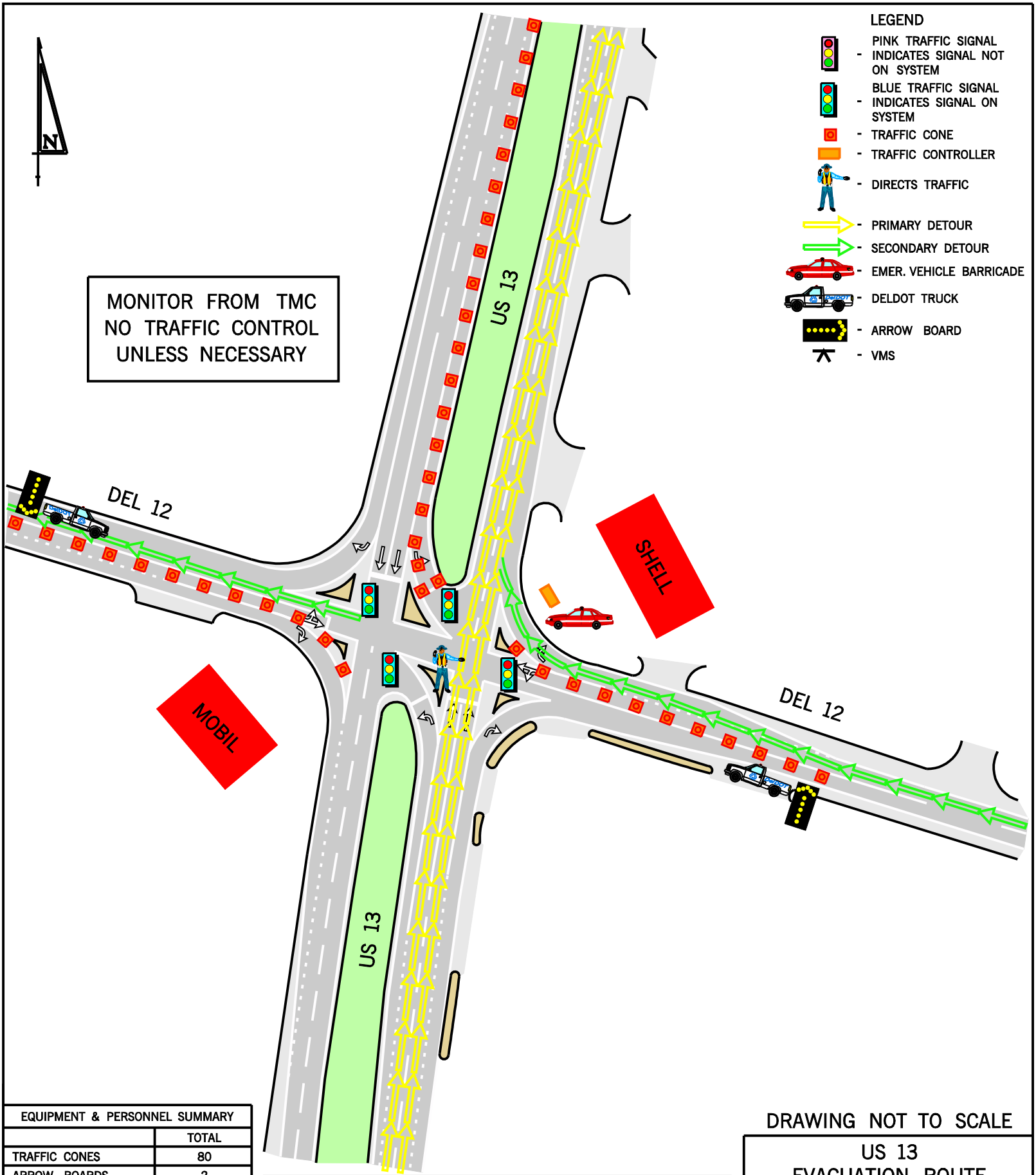
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 13	CLOSE RIGHT TURN LANE – 450'	N/A
SB US 13	CLOSE LEFT TURN LANE – 975'	N/A
EB DEL 14	ALL TRAFFIC MUST TURN RIGHT – 150'	N/A
WB DEL 14	ALL TRAFFIC MUST TURN RIGHT – 400'	N/A

DRAWING NOT TO SCALE

US 13
EVACUATION ROUTE

INTERSECTION OF
US 13 AND DEL 14

DATE:	BY:	REFERENCE NUMBER:
07/26/06	TC	15



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	80
ARROW BOARDS	2
VMS	0
DELDOT TRUCKS	2
DEL. STATE POLICE	N/A
LOCAL POLICE	FELTON
FIRE POLICE	FELTON
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 6

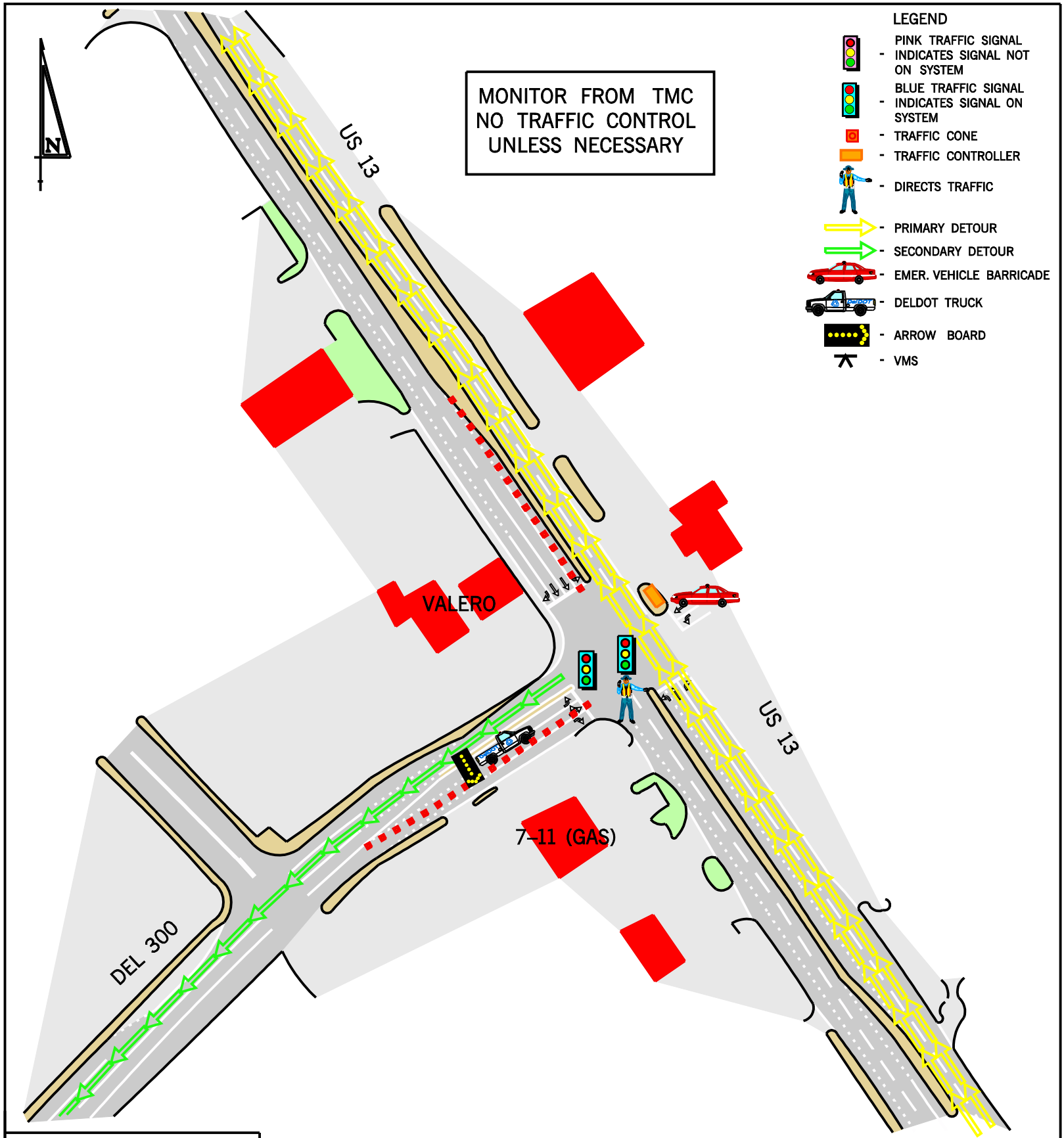
CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 13	CLOSE RIGHT TURN LANE – 600'	N/A
SB US 13	CLOSE LEFT TURN LANE – 575'	N/A
EB DEL 12	ALL TRAFFIC MUST TURN RIGHT – 525'	N/A
WB DEL 12	ALL TRAFFIC MUST TURN RIGHT – 325'	N/A

DRAWING NOT TO SCALE

US 13 EVACUATION ROUTE

INTERSECTION OF US 13 AND DEL 12

DATE:	BY:	REFERENCE NUMBER:
07/27/06	BJC	16



DRAWING NOT TO SCALE

EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	20
ARROW BOARDS	1
VMS	0
DELDOT TRUCKS	1
DEL. STATE POLICE	N/A
LOCAL POLICE	SMYRNA
FIRE POLICE	SMYRNA
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 8

CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
SB US 13	CLOSE LEFT TURN LANE – 250'	N/A
EB DEL 300	ALL TRAFFIC MUST TURN RIGHT – 250'	N/A

US 13 EVACUATION ROUTE

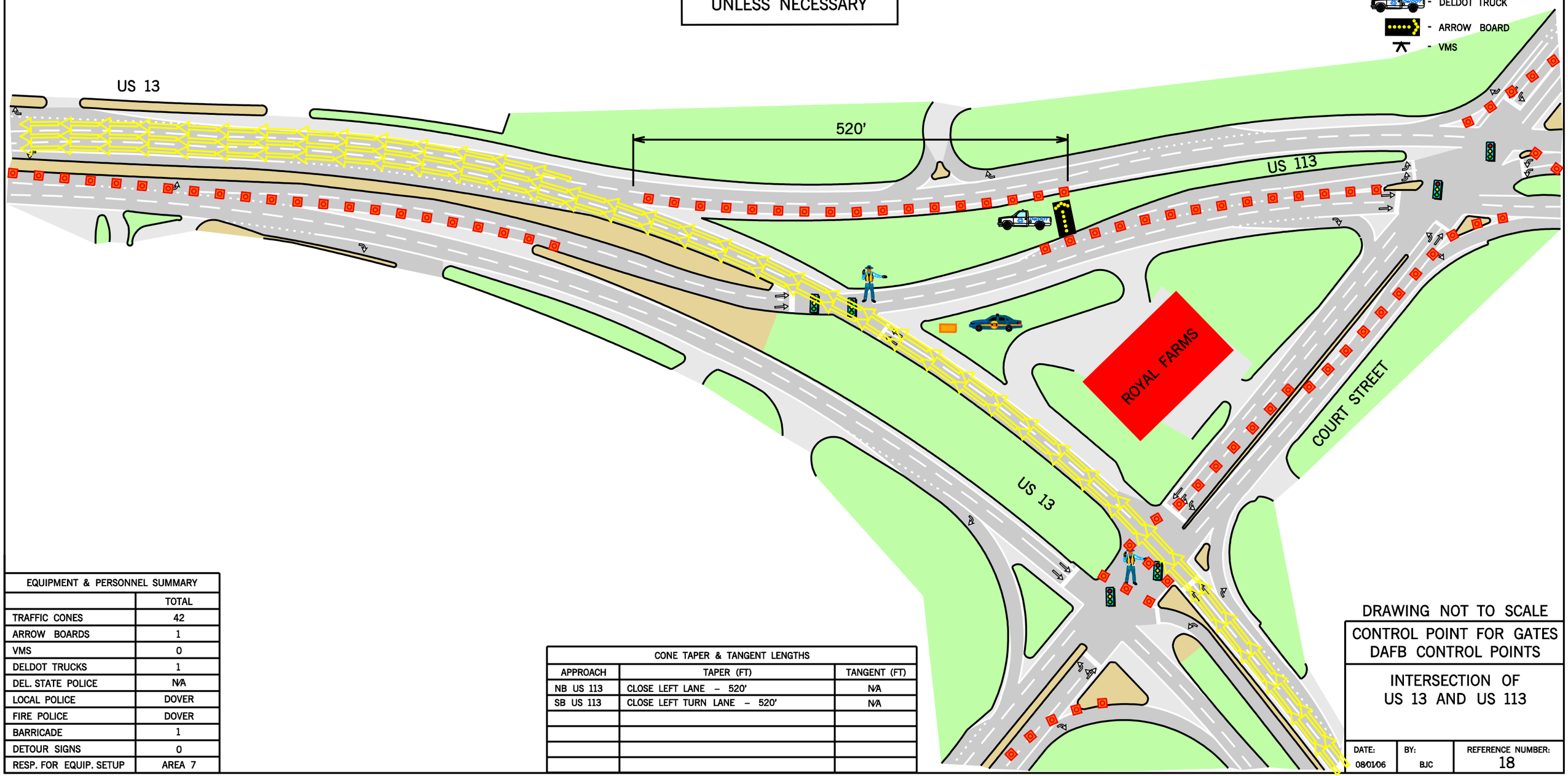
INTERSECTION OF US 13 AND DEL 300

DATE:	BY:	REFERENCE NUMBER:
07/17/06	BJC	17

MONITOR THRU DELDOT
FIELD PERSONNEL
NO TRAFFIC CONTROL
UNLESS NECESSARY

LEGEND

- PINK TRAFFIC SIGNAL INDICATES SIGNAL NOT ON SYSTEM
- BLUE TRAFFIC SIGNAL INDICATES SIGNAL ON SYSTEM
- TRAFFIC CONE
- TRAFFIC CONTROLLER
- DIRECTS TRAFFIC
- PRIMARY DETOUR
- SECONDARY DETOUR
- EMER. VEHICLE BARRICADE
- DELDOT TRUCK
- ARROW BOARD
- VMS



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	42
ARROW BOARDS	1
VMS	0
DELDOT TRUCKS	1
DEL. STATE POLICE	N/A
LOCAL POLICE	DOVER
FIRE POLICE	DOVER
BARRICADE	1
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)
NB US 113	CLOSE LEFT LANE – 520'	N/A
SB US 113	CLOSE LEFT TURN LANE – 520'	N/A

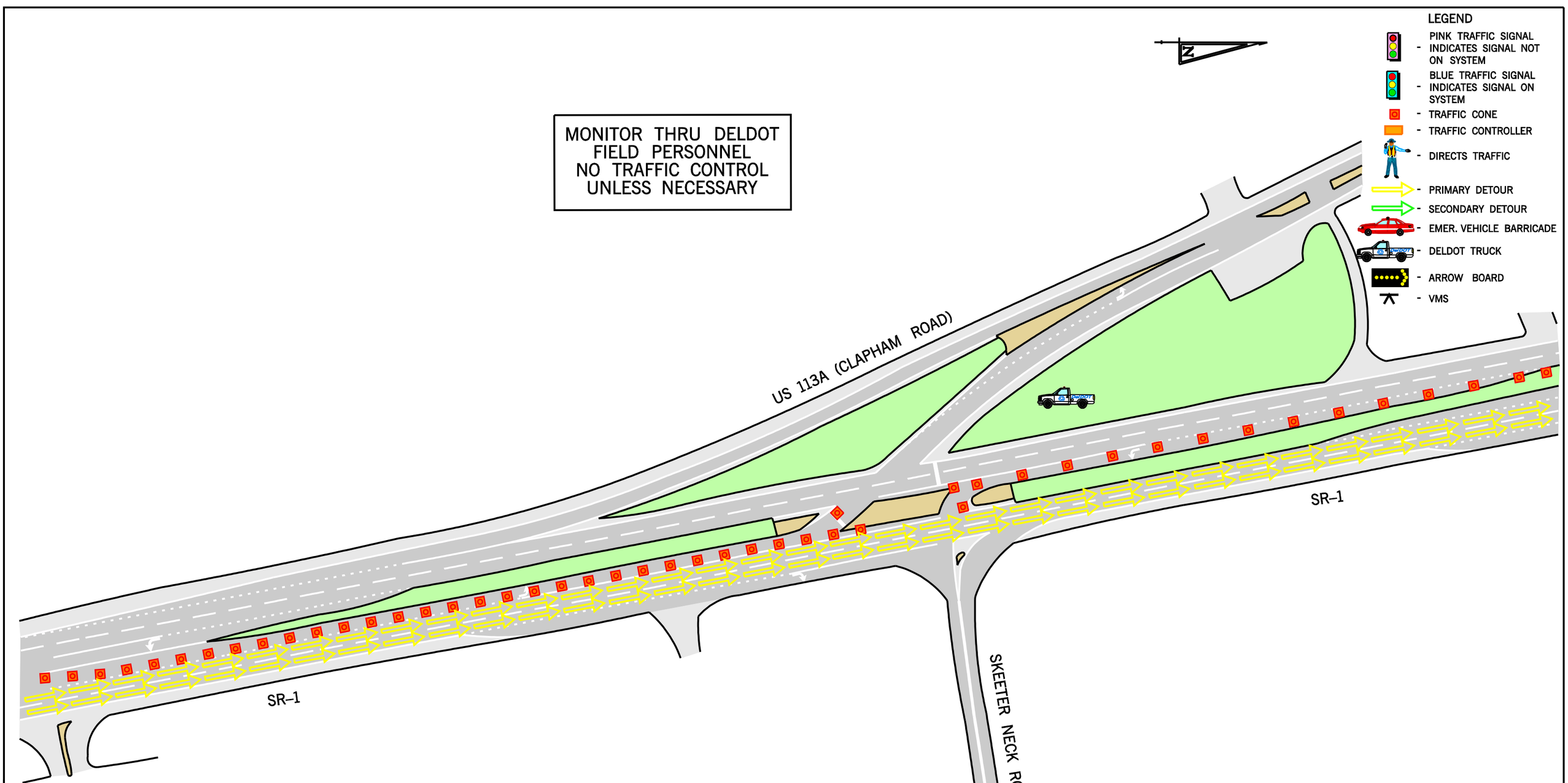
DRAWING NOT TO SCALE

CONTROL POINT FOR GATES
DAFB CONTROL POINTS

INTERSECTION OF
US 13 AND US 113

DATE:	BY:	REFERENCE NUMBER:
08/01/06	BJC	18

MONITOR THRU DELDOT
FIELD PERSONNEL
NO TRAFFIC CONTROL
UNLESS NECESSARY



EQUIPMENT & PERSONNEL SUMMARY	
	TOTAL
TRAFFIC CONES	60
ARROW BOARDS	0
VMS	0
DELDOT TRUCKS	1
DEL. STATE POLICE	TROOP 3
LOCAL POLICE	N/A
FIRE POLICE	ZONE
BARRICADE	0
DETOUR SIGNS	0
RESP. FOR EQUIP. SETUP	AREA 7

CONE TAPER & TANGENT LENGTHS		
APPROACH	TAPER (FT)	TANGENT (FT)

DRAWING NOT TO SCALE

SR-1
EVACUATION ROUTE

INTERSECTION OF
SR-1 AND US 113A

DATE:	BY:	REFERENCE NUMBER:
08/08/06	BJC	19