

PROJ. REFERENCE NO.	SHEET NO.
W-4404	TCP-3

PHASING

PRIOR TO ANY CONSTRUCTION OPERATIONS, PLACE ADVANCE WORK ZONE SIGNING IN ACCORDANCE WITH SHEETS TCP-10 AND TCP-11.

A MARATHON WEEKEND IS DEFINED AS ANY FOUR (4) WEEKENDS, EXCLUDING HOLIDAYS, PER DIRECTION THE CONTRACTOR IS ALLOWED TO CLOSE MULTIPLE LANES IN A SINGLE DIRECTION AND SHALL OCCUR INDEPENDENTLY OF ONE ANOTHER PER DIRECTION. (SEE INTERMEDIATE CONTRACT TIME #2 AND LIQUIDATED DAMAGES).

AT THE END OF EACH WORK DAY, MOVE CHANNELIZING DEVICES TO THE SHOULDER AND RESTORE TRAFFIC TO THE EXISTING PATTERN UNLESS THE WORKDAY FALLS ON A MARATHON WEEKEND OR AS SPECIFIED IN THE PLANS.

CLOSE ALL SIDEWALKS WITHIN THE PROJECT LIMITS WITH "SIDEWALK CLOSED" (R9-9) SIGN AS REQUIRED BY THE MUTCD. INSTALL ADDITIONAL SIGNING, TYPE III BARRICADES AND OTHER DEVICES TO INSURE THE SAFETY AND ACCESSIBILITY OF PEDESTRIANS WHEN CONSTRUCTION IS ENCRDACHING. PROVIDE APPROPRIATE LOCATIONS FOR PEDESTRIAN CROSSINGS AND TRAVEL THROUGHOUT THE CONSTRUCTION SITE AS APPROVED BY THE ENGINEER.

CLOSE ALL EXISTING PEDESTRIAN CROSSINGS WHEN CONSTRUCTION IS ENCRDACHING. DETOUR PEDESTRIANS TO APPROPRIATE EXISTING CROSSING, SEE GENERAL NOTE (U)

DO NOT RUN TAPERS FOR LANE CLOSURES THROUGH DRIVES, INTERSECTIONS OR OTHER -Y- LINE UNLESS DESCRIBED IN THE PLANS. IF CORRECT MERGING TAPERS CANNOT BE OBTAINED AND ARE NOT SHOWN IN THE PLANS, CMS BOARDS SHALL BE USED AND OBTAIN AS MUCH TAPER LENGTH AS POSSIBLE AS APPROVED BY THE ENGINEER.

LOCATIONS THAT ARE TO BE OPEN CUT FOR PIPE INSTALLATION BEHIND EXISTING CURB & GUTTER DO NOT HAVE TO BE CONSTRUCTED UP TO EXISTING ELEVATION AT THE END OF THE WORK DAY UNLESS SPECIFIED IN THE PHASING.

PLACE DRUMS, CMS BOARDS AND FAPS AS SHOWN IN THE PLANS. LOCATE CMS BOARDS AND FAPS TO MAXIMIZE THEIR SIGHT DISTANCE. OBTAIN APPROVAL FROM THE ENGINEER IF THE CMS BOARDS AND FAPS ARE TO BE IN A LOCATION OTHER THAN WHAT IS SHOWN IN THE PLANS.

POLICE SHOULD BE USED AT INTERSECTIONS TO DIRECT TRAFFIC.

PHASE I

STEP 1:

- USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9, FLAGGERS AND POLICE, RELOCATE SIGNAL POLE AND INSTALL TEMPORARY DESIGN 1 BUT DO NOT ACTIVATE TEMPORARY DESIGN 1. SEE SIGNAL PLAN AND TCP-5.

NOTE: ONCE NB AND SB WAKE FOREST RD WIDENING IS COMPLETE, PLACE PARALLEL DRUMS APPROXIMATELY 3' FROM THE EXISTING EDGE SO THE NEWLY CONSTRUCTED WIDENING IS CLOSED TO TRAFFIC.

- INSTALL CMS BOARDS AND TRAFFIC CONTROL DEVICES AND CONSTRUCT PROPOSED SB WAKE FOREST RD. INCLUDING CURB AND GUTTER, SIDEWALK, DRAINAGE, PIPE RELOCATION AND RETAINING WALL. PAVE THE PROPOSED WIDENING UP TO EDGE AND ELEVATION OF EXISTING ROADWAY FROM (SEE SHEETS TCP-4 & TCP-5):

- L- STA. 10+50+/- (SB) TO -L- STA. 23+15+/- (SB)
- L- STA. 23+60+/- (SB) TO -L- STA. 28+44+/- (SB)
- L- STA. 28+79+/- (SB) TO -L- STA. 30+18+/- (SB)
- L- STA. 30+53+/- (SB) TO -L- STA. 33+05+/- (SB)

- INSTALL CMS BOARDS AND TRAFFIC DEVICES CONTROL AND CONSTRUCT PROPOSED NB WAKE FOREST RD. INCLUDING CURB AND GUTTER, SIDEWALK, DRAINAGE, PIPE RELOCATION, RETAINING WALL AND MAY INCLUDE FIRST LAYER OF SURFACE COURSE UP TO EDGE AND ELEVATION OF EXISTING ROADWAY FROM (SEE SHEETS TCP-4 & TCP-5):

- L- STA. 10+62+/- (NB) TO -L- STA. 12+82+/- (NB)
- L- STA. 13+21+/- (NB) TO -L- STA. 15+08+/- (NB)
- L- STA. 15+60+/- (NB) TO -L- STA. 20+81+/- (NB)
- L- STA. 21+07+/- (NB) TO -L- STA. 23+20+/- (NB)
- L- STA. 23+55+/- (NB) TO -L- STA. 26+35+/- (NB)
- L- STA. 26+68+/- (NB) TO -L- STA. 30+00+/- (NB)
- L- STA. 30+20+/- (NB) TO -L- STA. 33+87+/- (NB)
- L- STA. 34+22+/- (NB) TO -L- STA. 37+05+/- (NB)

- CLOSE DRIVE 1 AT -L- STA. 15+30+/- AND INSTALL 15" RCP. ONCE THE PIPE INSTALLATION IS COMPLETE, CONSTRUCT THE ROADWAY TO THE EXISTING ELEVATION AND OPEN DRIVE 1 TO TRAFFIC (SEE SHEET TCP-4).

- STAGE CONSTRUCT THE 15" RCP AT DRIVE 2 -L- STA. 28+55+/- USING FLAGGERS. CONSTRUCT THE ROADWAY BACK TO EDGE AND ELEVATION OF EXISTING ROADWAY BY THE END OF THE WORK DAY. ONCE PIPE INSTALLATION IS COMPLETE AND THE ROADWAY IS CONSTRUCTED TO THE EXISTING ELEVATION, CLOSE THE LEFT TURN LANE FOR DRIVE 2 USING A PAINTED ISLAND (SEE SHEETS TCP-5 AND TCP-6).

- REMOVE EXISTING CONCRETE ISLANDS AT DRIVE A / -L- STA. 26+50+/-, -Y1- / -L- STA. 30+00+/- AND -Y2- RAMP / -L- STA. 34+40+/- AND CONSTRUCT ROADWAY BACK TO EXISTING ELEVATION. PLACE CONES, PAINT OR TUBULAR MARKERS TO OUTLINE THE LOCATION OF THE PROPOSED ISLANDS AT DRIVE A AND -Y1- (SEE SHEET TCP-5).

- ACTIVATE TEMPORARY DESIGN 1, OPEN CUT AND REPLACE SECTION OF 18" EXISTING PIPE LOCATED AT -L- STA. 29+00+/- WITH 24" PROPOSED PIPE AS SHOWN ON TCP-5, SECTION B-B' AND ROADWAY PLAN. TEMPORARILY TIE-IN PROPOSED PIPE WITH EXISTING PIPE AND CONTINUE ROADWAY CONSTRUCTION. CONSTRUCT THE ROADWAY BACK TO EDGE AND ELEVATION OF EXISTING ROADWAY FOR THE PHASE II TRAFFIC SHIFT. THIS WORK MAY BE DONE DURING A MARATHON WEEKEND. DO NOT LEAVE AN OPEN CUT WHEN WORK IS NOT BEING PURSUED. ONCE PIPE IS INSTALLED ACTIVATE SIGNAL TO EXISTING TRAFFIC PATTERN.

- CONSTRUCT THE PROPOSED WIDENING ALONG RIGHT/LEFT SIDE OF EXISTING RAMP -Y1- INDEPENDENTLY OF ONE ANOTHER UP TO EDGE AND ELEVATION USING ROADWAY STANDARD DRAWING 1101.02 SHEET 7 OF 9 FROM (SEE SHEET TCP-5):

- RIGHT -Y1- STA. 10+50+/- TO -Y1- STA. 18+63+/-
- LEFT -Y1- STA. 10+50+/- TO -Y1- STA. 16+16+/-

- CONSTRUCT -Y2- WIDENING UP TO EDGE AND ELEVATION OF EXISTING ROADWAY USING ROADWAY STANDARD DRAWING 1101.02 SHEET 7 OF 9 FROM (SEE SHEET TCP-5):

-Y2- STA. 11+09+/- TO -Y2- STA. 17+83+/-

- REVISE EXISTING SIGNALS AT THE INTERSECTIONS OF WAKE FOREST RD. / -Y3- AND AT WAKE FOREST RD. / -Y2- TO TEMPORARY DESIGN 2 USING ROADWAY STANDARD 1101.02 SHEET 3 OF 9, FLAGGERS AND POLICE (DO NOT ACTIVATE TEMPORARY DESIGN 2). SEE SIGNAL PLANS TEMPORARY DESIGN 2 AND TCP-5.

NOTE: USE LANE CLOSURES ACCORDING TO ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9, FLAGGERS, POLICE AND TCP-5 WHEN INSTALLING LOOPS. INSTALL LOOPS BEFORE CONSTRUCTING THE FINAL LAYER OF SURFACE COURSE.

STEP 2:

TEMPORARY TRAFFIC SHIFT

(COMPLETE THE FOLLOWING WORK, STEPS A) THRU C) DURING A MARATHON WEEKEND. SEE INTERMEDIATE CONTRACT TIME #2 FOR ALLOWABLE WORKING TIMES AND LIQUIDATED DAMAGES).

- A) -PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) ALONG -L- (WAKE FOREST ROAD) AS SHOWN ON SHEET TCP-6 USING RDWY. STD. DRAWING 1101.02 SHEET 3, 6 AND 7 OF 9. USE FLAGGERS AND POLICE TO DIRECT TRAFFIC THROUGH THE INTERSECTION OF WAKE FOREST RD. AND -Y3- (I-440 INNER BELTLINE OFF RAMP).

- ACTIVATE TEMPORARY DESIGN 2 USING FLAGGERS AND POLICE. SIMULTANEOUSLY INSTALL TRAFFIC CONTROL DEVICES AND SHIFT TRAFFIC TO TEMPORARY PATTERN (SEE SHEET TCP-6 AND SIGNAL PLANS TEMPORARY DESIGN 2).

- B) -COMPLETE 24" PROPOSED PIPE INSTALLATION AS SHOWN ON SHEET TCP-6 AND SECTION C-C'.

- C) -USING FLAGGERS AND POLICE, PLACE PAVEMENT MARKINGS, TRAFFIC CONTROL DEVICES, ACTIVATE TEMPORARY DESIGN 3 AND SHIFT TRAFFIC TO NEW TEMPORARY PATTERN AS SHOWN ON SHEETS TCP-7 AND TCP-8. THIS PATTERN MAY BE LEFT OVERNIGHT AND LIQUIDATED DAMAGES SHALL NOT APPLY. SEE SIGNAL PLANS FOR TEMPORARY DESIGN 3.

PHASE II

STEP 1:

- USING THE TRAFFIC CONTROL ON SHEETS TCP-7 AND TCP-8, REMOVE THE EXISTING RAISED MEDIAN ISLANDS ON -L- (WAKE FOREST ROAD) AND CONSTRUCT ROADWAY BACK TO EXISTING ELEVATION OF EXISTING ROADWAY. PLACE DRUMS TO OUTLINE THE LOCATIONS OF THE PROPOSED ISLANDS AS SHOWN ON TCP-7 AND TCP-8. LEAVE THE TRAFFIC CONTROL DEVICES IN PLACE AT THE END OF THE WORK DAY AS SHOWN ON SHEETS TCP-7 AND TCP-8. LIQUIDATED DAMAGES FOR LANE CLOSURES LEFT AT THE END OF THE WORK DAY SHALL NOT APPLY.

STEP 2:

- USING RDWY. STD. DRAWINGS 1101.02 SHEET 3, 6 AND 7 OF 9, FLAGGERS AND POLICE, WEDGE AND RESURFACE -L- (WAKE FOREST RD.) AND ALL -Y- LINES UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE PAINT PAVEMENT MARKINGS BY THE END OF EACH WORK DAY. SEE SHEETS TCP-7 AND TCP-8 FOR TRAFFIC PATTERN WHEN WORK IS NOT IN PROGRESS.

STEP 3:

- USING THE TRAFFIC CONTROL ON SHEETS TCP-7 AND TCP-8, CONSTRUCT THE PROPOSED ISLANDS ON -L- (WAKE FOREST ROAD) AND DRIVE A. EACH ISLAND MAY BE CONSTRUCTED SIMULTANEOUSLY OR INDEPENDENTLY OF ONE ANOTHER. ONCE AN ISLAND IS CONSTRUCTED, REMOVE ANY CONFLICTING MARKINGS AND INSTALL PROPOSED MARKINGS (PAINT) AND ACTIVATE THE PROPOSED SIGNALS TO THE FINAL PATTERN. SEE SHEETS TCP-7, TCP-8, ROADWAY PLANS AND SIGNAL PLANS.

STEP 4:

- ONCE THE ISLANDS AND TEMPORARY MARKINGS (PAINT) ARE COMPLETE, ACTIVATE PROPOSED FINAL SIGNALS AND PLACE FINAL LAYER OF SURFACE COURSE. USE ROADWAY STANDARD 1101.02 SHEET 3, 6 AND 7 OF 9, POLICE AND FLAGGERS TO DIRECT TRAFFIC THRU THE INTERSECTIONS.

PHASE III

STEP 1:

- USING THE SAME TRAFFIC CONTROL AS IN PHASE II, STEP 2, PLACE FINAL MARKINGS (THERMOPLASTIC) AND MARKERS (RAISED). SEE SHEETS PM-1 THRU PM-8

STEP 2:

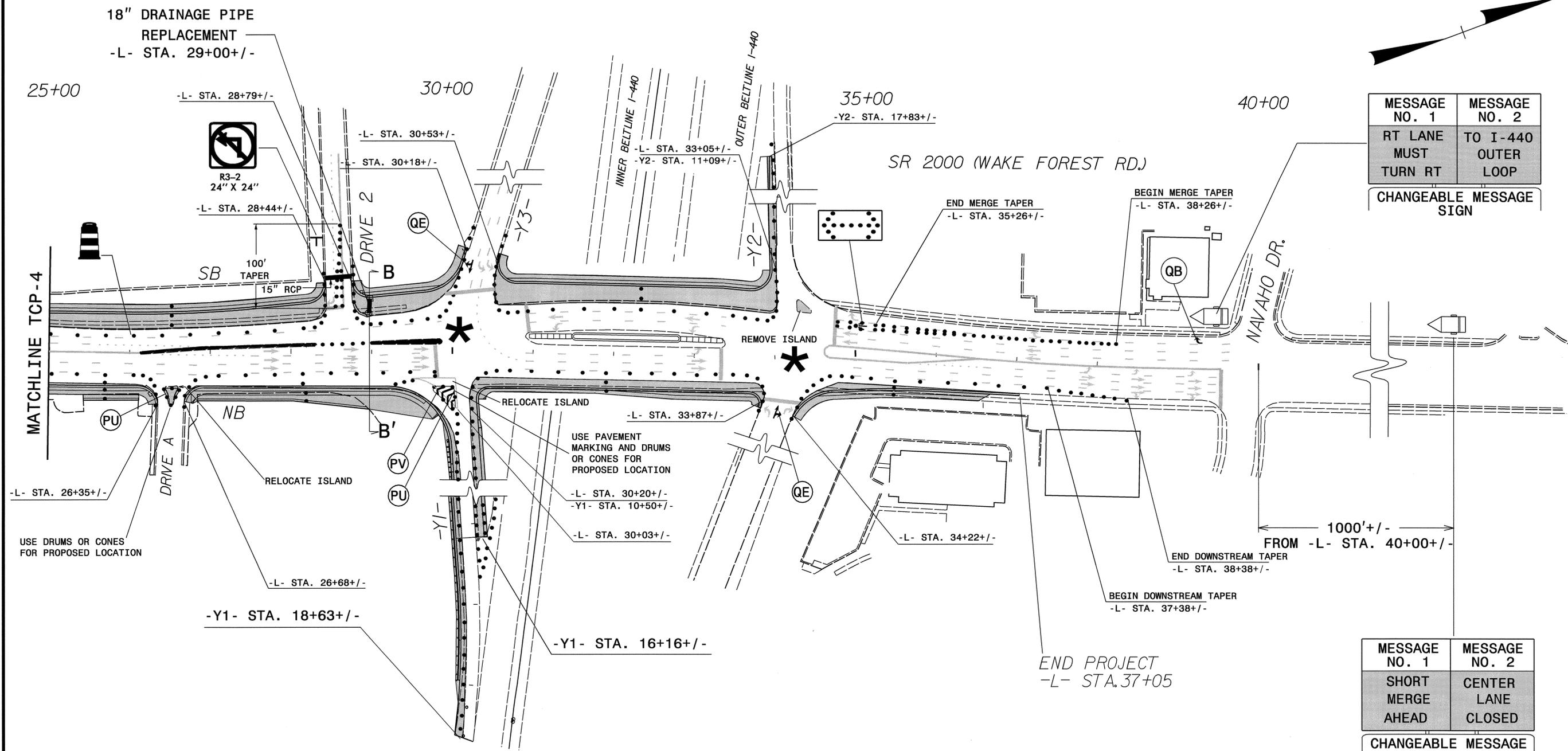
- REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN WAKE FOREST ROAD, DRIVES AND -Y- LINES TO PROPOSED PATTERN.

<p>APPROVED: <i>M. M. McDaniel</i> DATE: 11/1/06</p> <div style="text-align: center;">  <p>SEAL</p> </div>	<h2 style="margin: 0;">PHASING</h2>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE:</td> <td>NONE</td> </tr> <tr> <td>DATE:</td> <td>MAR 06</td> </tr> <tr> <td>DWG. BY:</td> <td>MRM</td> </tr> <tr> <td>DESIGN BY:</td> <td>MRM</td> </tr> <tr> <td>REVIEWED BY:</td> <td>CBH</td> </tr> </table>	SCALE:	NONE	DATE:	MAR 06	DWG. BY:	MRM	DESIGN BY:	MRM	REVIEWED BY:	CBH
SCALE:	NONE											
DATE:	MAR 06											
DWG. BY:	MRM											
DESIGN BY:	MRM											
REVIEWED BY:	CBH											
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">REVISIONS</td> </tr> <tr> <td style="width: 50%; height: 20px;"></td> <td style="width: 50%;"></td> </tr> <tr> <td style="width: 50%; height: 20px;"></td> <td style="width: 50%;"></td> </tr> </table>	REVISIONS									
REVISIONS												

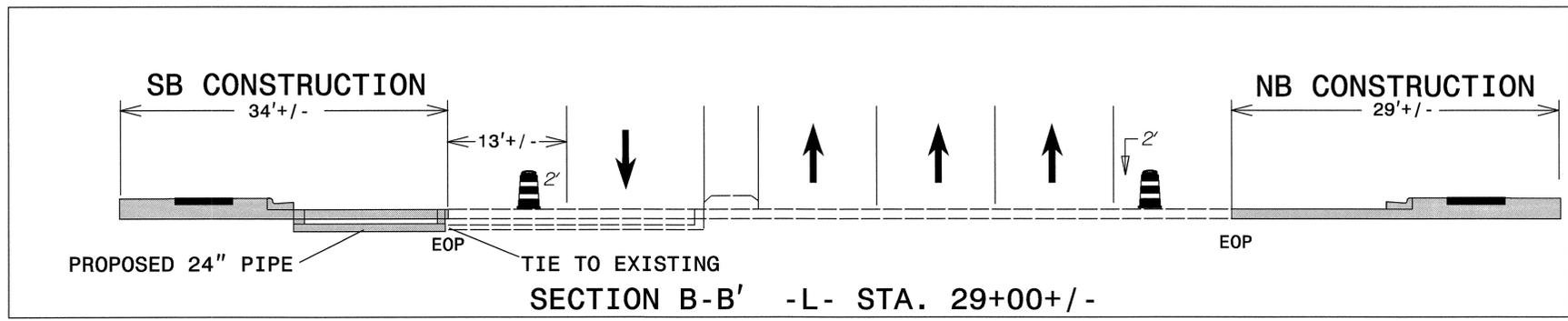
31-OCT-2006 15:23 \\dot\dfs\root01\proj\110005\projects-w\4404\trafficcontrol\tcp\w4404_b.csee.dgn

WAKE FOREST RD. NB AND SB PROPOSED WIDENING CONT.
(MARATHON WEEKEND)

PROJ. REFERENCE NO. W-4404	SHEET NO. TCP-5
-------------------------------	--------------------



* TEMPORARY DESIGN 1



-EXISTING MARKINGS ARE SHOWN IN GRAY
-NEW MARKINGS ARE SHOWN IN BLACK

APPROVED: *[Signature]* DATE: 11/1/06

SEAL

PROFESSIONAL ENGINEER
M. MCDONALD
025895

PHASE I, STEP 1

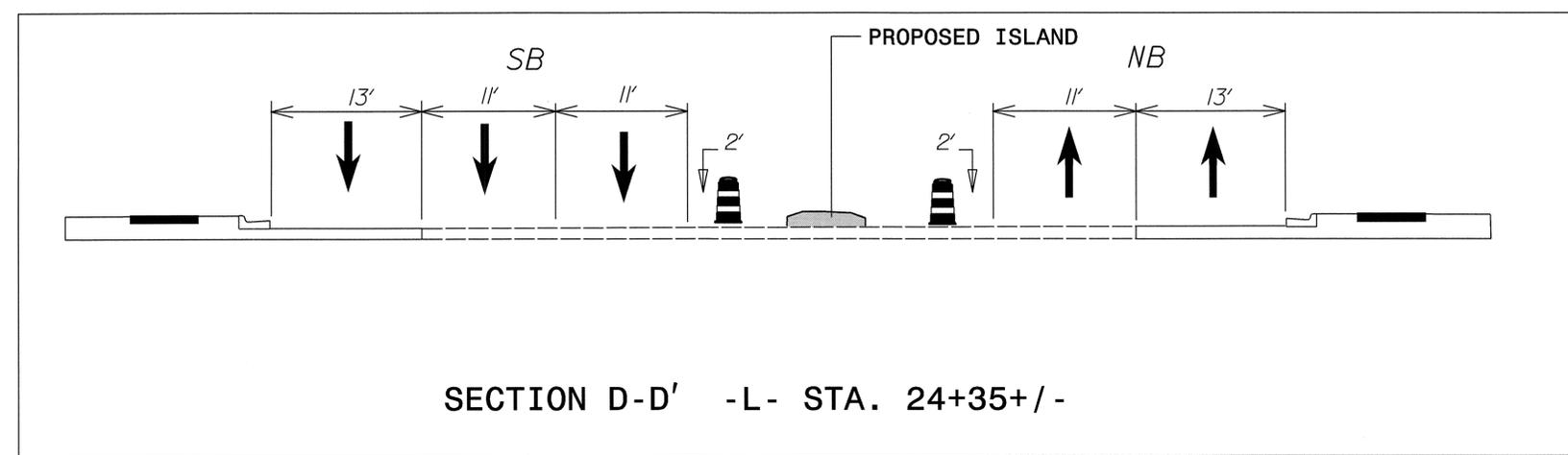
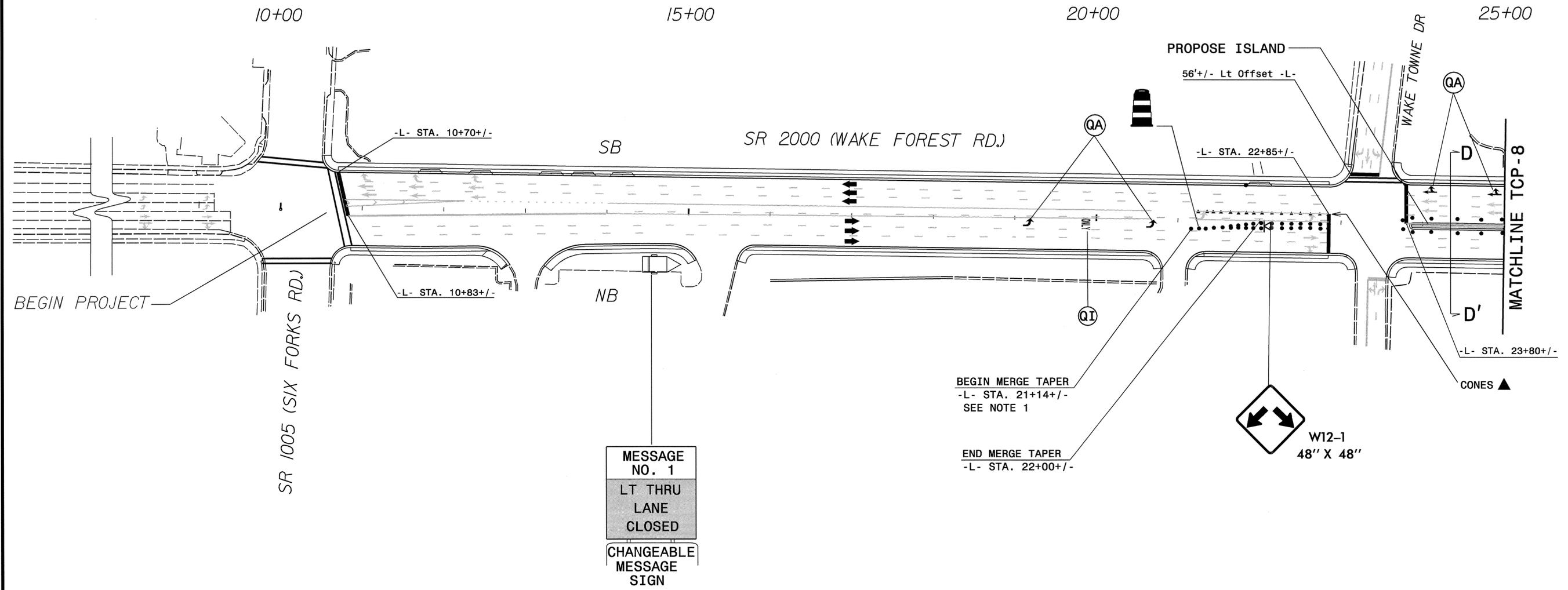
SCALE: NONE	REVISIONS
DATE: MAR 06	
DWG. BY: MRM	
DESIGN BY: MRM	
REVIEWED BY: CBH	

CADD FILE

31-OCT-2006 15:22
 \\dot\dfsroot\projects\1125\projects-w\4404\Traffic\TrafficControl\tcp_w4404_base.dgn
 mmm\miquiz AL 11/2/06 10:59

CONSTRUCTION OF MONOLITHIC ISLANDS (KEYED IN)

PROJ. REFERENCE NO. W-4404	SHEET NO. TCP-7
-------------------------------	--------------------



-EXISTING MARKINGS ARE SHOWN IN GRAY
-NEW MARKINGS ARE SHOWN IN BLACK

APPROVED: <i>M. McQuinn</i> DATE: <i>3/1/06</i>	PHASE II, STEP 1	
	SCALE: NONE	
	DATE: MAR 06	
	DWG. BY: MRM	
	REVIEWED BY: CBH	
		REVISIONS

3-0CT-2006 1521
 \GoT\drfsr\00701\proj\1005\traffic\traffic\contr\top\w4404_base.dgn
 mmmtr\lquez AT: MZ12224099

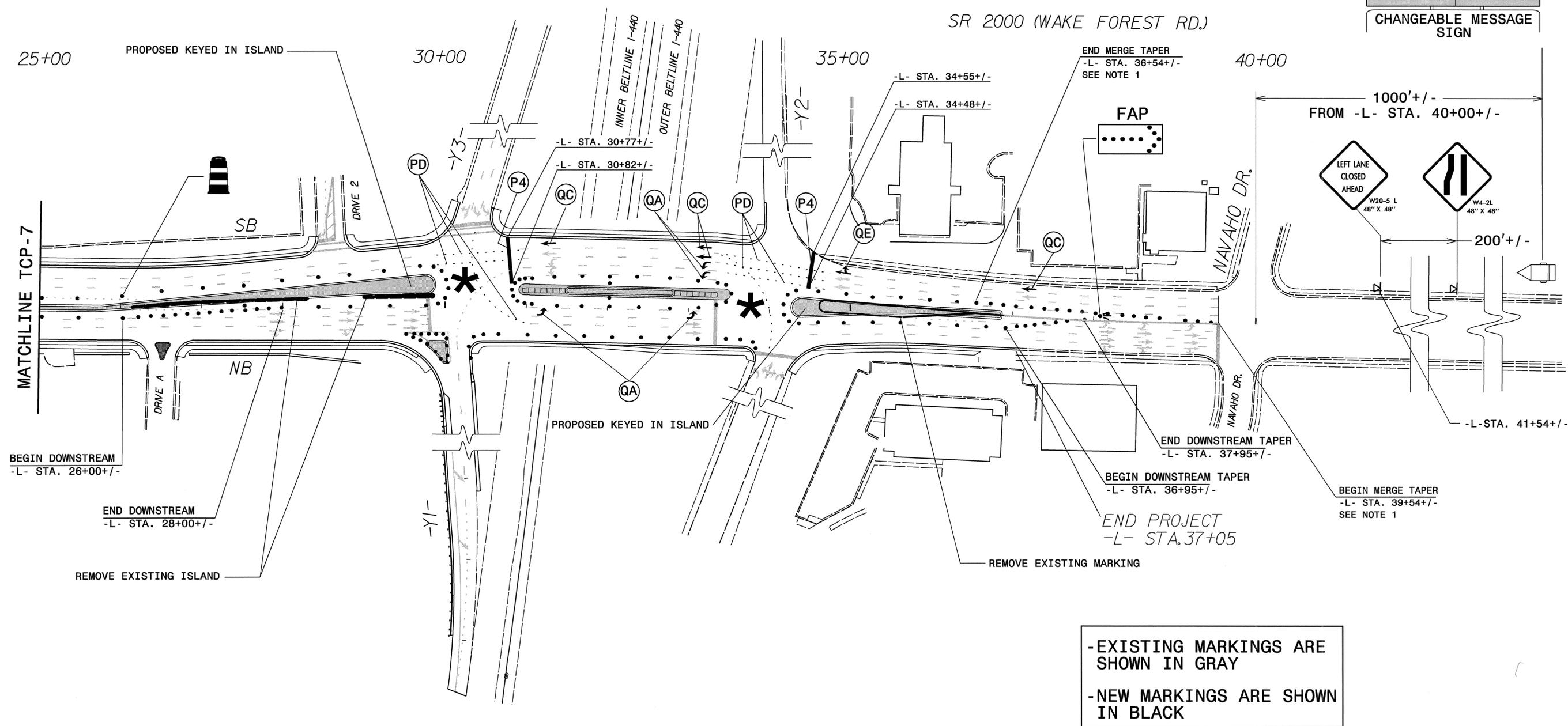
CONSTRUCTION OF MONOLITHIC ISLANDS (KEYED IN) CONST.

PROJ. REFERENCE NO. W-4404	SHEET NO. TCP-8
-------------------------------	--------------------



MESSAGE NO. 1 LEFT LANE CLOSED	MESSAGE NO. 2 MERGE RIGHT
-----------------------------------	------------------------------

CHANGEABLE MESSAGE SIGN



-EXISTING MARKINGS ARE SHOWN IN GRAY
-NEW MARKINGS ARE SHOWN IN BLACK

* TEMPORARY DESIGN 3

APPROVED: <i>M. McDaniel</i> DATE: 11/1/06	PHASE II, STEP 1	
SCALE: NONE		REVISIONS
DATE: MAR 06		
DWG. BY: MRM		
DESIGN BY: MRM		
REVIEWED BY: CBH		CADD FILE

31-OCT-2006 15:20
 \\c01\dist\o01\proj\p05\jects-w4404\traffic\traffic\top\w4404_base.dgn
 mmm\lguez AT 12/22/09

