

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

RICHMOND COUNTY

STATE PROJECT REFERENCE NO. U-3456	SHEET NO. TCP-1
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TIP PROJECT: U-3456

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	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS DEVICES
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1251.01	RAISED PAVEMENT MARKERS - TEMPORARY AND PERMANENT
1261.01	GUARDRAIL AND BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

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TCP-47	-Y16- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN
TCP-48	ADVANCED WORKZONE WARNING SIGNS
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PM-2 THRU PM-9	FINAL PAVEMENT MARKING DETAIL SHEETS

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
 - 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

N.C.D.O.T. TRAFFIC CONTROL, MARKING & DELINEATION SECTION REVIEW AND CONTACT PERSONNEL	
_____	TRAFFIC CONTROL ENGINEER
_____	TRAFFIC CONTROL PROJECT ENGINEER
_____	TRAFFIC CONTROL PROJECT DESIGN ENGINEER
_____	TRAFFIC CONTROL DESIGN ENGINEER
_____	TRAFFIC CONTROL DESIGN TECHNICIAN

PLAN PREPARED IN THE OFFICE OF:
Kubilins
TRANSPORTATION GROUP, INC.
800 W. Hill Street, Suite 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]*
DATE: 7/17
SEAL

KUBILINS TRANSPORTATION GROUP, INC.
TIMOTHY M. AREY, P.E. PRINCIPAL
PROJECT MANAGER
LARRY D. ASHLEY DESIGN ENGINEER
MATTHEW WHITLEY DESIGN TECHNICIAN

PROJECT NOTES

PROJ. REFERENCE NO. U-3456	SHEET NO. TCP-2
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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 NAME	DAY AND TIME RESTRICTIONS
1. US 1	MONDAY - FRIDAY 7:00AM TO 9:00AM

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

ROAD NAME
1. US 1

HOLIDAY

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 P.M. DECEMBER 31ST TO 9:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 4:00 P.M. THURSDAY AND 9:00 A.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY TO 9:00 A.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 4:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY TO 9:00 A.M. TUESDAY.
7. FOR THANKSGIVING, BETWEEN THE HOURS OF 4:00 P.M. TUESDAY TO 9:00 A.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR OTHERWISE DIRECTED BY THE ENGINEER.

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
US 1	NONE	TRAFFIC SHIFT FOR 10 MINUTES.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- E) 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.
- F) 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.

G) 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.

H) 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.

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

J) 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.

K) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

L) 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.

M) DO NOT EXCEED A DIFFERENCE OF 1.5 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

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

SIGNING

O) 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.

P) CONTRACTOR SHALL PROVIDE PERMANENT SIGNING.

Q) CONTRACTOR SHALL PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.

R) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.

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

TRAFFIC CONTROL DEVICES

T) 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 FROM THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. NOT IN EFFECT.

U) 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.

V) PLACE SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF THE TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. THESE DRUMS SHALL BE IN ADDITION TO CHANNELIZING DEVICES.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

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

ROAD NAME	MARKING	MARKER
ALL ROADS	POLYUREA	SNOWPLOWABLE

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

Z) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION. REMOVE ANY CONFLICTING PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

AA) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

BB) 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

CC) SHIFT AND REVISE ALL SIGNAL HEADS AS SHOWN ON THE SIGNAL PLANS.

MISCELLANEOUS

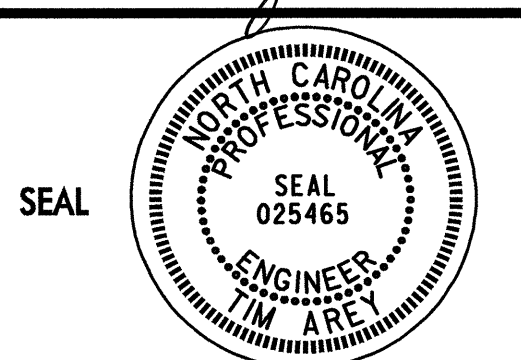
DD) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.

EE) PLACE DRUMS TO DELINEATE EXISTING AND/OR PROPOSED ISLANDS AFTER REMOVAL AND/OR BEFORE INSTALLATION.

PLAN PREPARED IN THE OFFICE OF:

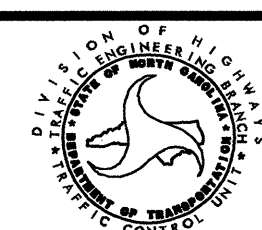
Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/9/07



SEAL
025465
ENGINEER
TIM AREY

PROJECT NOTES

SCALE: NONE		REVISIONS
DATE: 7/07		
DESIGN BY: LDA		
REVIEWED BY: TMA		

PROJECT PHASING

PROJ. REFERENCE NO. U-3456	SHEET NO. TCP-3
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PHASE I

STEP 1: INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADWAYS WITHIN THE PROJECT LIMITS AS SHOWN ON SHEET TCP-48.

STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, BEGIN CONSTRUCTION ON THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

- -L- (RIGHT SIDE): FROM STA. 38+40+/- TO STA. 82+50+/- INCLUDING EB MEDIAN CURB AND GUTTER FROM STA. 52+50+/- TO STA. 69+95+/- AS SHOWN ON SHEETS TCP-7, TCP-9, AND TCP-10.

FROM STA. 110+00+/- TO STA. 139+50+/- AS SHOWN ON SHEETS TCP-12 THRU TCP-14.

FROM STA. 158+40+/- TO STA. 167+00+/- AS SHOWN ON SHEET TCP-15.

- -L- (LEFT SIDE): FROM STA. 74+25+/- TO STA. 116+45+/- INCLUDING WB MEDIAN CURB AND GUTTER FROM STA. 82+50+/- TO STA. 92+65+/- AS SHOWN ON SHEETS TCP-10 THRU TCP-13.

FROM STA. 130+75+/- TO STA. 167+00+/- INCLUDING WB MEDIAN CURB AND GUTTER FROM STA. 144+00+/- TO STA. 152+95+/- AS SHOWN ON SHEETS TCP-14 AND TCP-15.

- -Y2-: LEFT AND RIGHT SIDE WIDENING FROM STA. 11+80+/- TO STA. 15+70+/- AS SHOWN ON SHEET TCP-6.

- -Y2A-: FROM STA. 10+00+/- TO THE PROPOSED -Y2- INTERSECTION AS SHOWN ON SHEET TCP-6.

- -Y5-: LEFT SIDE WIDENING FROM STA. 10+85+/- TO THE PROPOSED -L- INTERSECTION AS SHOWN ON SHEET TCP-7.

- -Y7REV-: FROM STA. 12+10+/- TO THE PROPOSED -Y8- INTERSECTION AS SHOWN ON SHEET TCP-9.

- -Y8-: RIGHT SIDE WIDENING FROM STA. 10+00+/- TO STA. 12+19+/- AS SHOWN ON SHEET TCP-9.

- -Y15-: LEFT AND RIGHT SIDE WIDENING FROM STA. 11+80+/- TO THE PROPOSED -L- INTERSECTION AS SHOWN ON SHEET TCP-14.

- -Y15A-: LEFT SIDE WIDENING FROM STA. 11+50+/- TO THE PROPOSED -L- INTERSECTION AS SHOWN ON SHEET TCP-14.

- -Y17A-: FROM STA. 10+50+/- TO THE PROPOSED -L- INTERSECTION AS SHOWN ON SHEET TCP-15.

- -Y17B-: FROM STA. 18+00+/- TO THE PROPOSED -L- INTERSECTION AS SHOWN ON SHEET TCP-15.

USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, WEDGE EXISTING -L- AND EXISTING -Y5- UP TO THE PROPOSED ELEVATION FROM STA. 35+50+/- -L- TO STA. 40+00+/- -L- AS SHOWN ON SHEETS TCP-7 AND TCP-8 AND CONSTRUCT PROPOSED -DET1- FROM STA. 5+05+/- -DET1- TO STA. 27+35+/- -DET1- AS SHOWN ON SHEETS TCP-6 THRU TCP-8. REPLACE PAVEMENT MARKINGS BACK TO THE ORIGINAL PATTERN BY THE END OF EACH DAY.

BEGIN INSTALLING REVISED TRAFFIC SIGNAL EQUIPMENT FOR TEMPORARY PATTERN AT THE -L-/-Y17A- INTERSECTION.

STEP 3: INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y9- ROAD CLOSURE AS SHOWN ON SHEET TCP-40.

THE CONTRACTOR MAY CLOSE -Y9- AND -Y10- OR -Y9- AND -Y11- SIMULTANEOUSLY.

INTERMEDIATE CONTRACT TIME: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE I, STEP 4 THRU STEP 5 IN 4 CONSECUTIVE DAYS. (SEE SPECIAL PROVISIONS)

STEP 4: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y9- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y9- TO TRAFFIC AND DETOUR -Y9- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-40.

STEP 5: CONSTRUCT -Y9- FROM STA. 12+70+/- TO THE EXISTING -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-10, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS BACK TO THE ORIGINAL PATTERN ON -Y9- AND OPEN -Y9- TO TRAFFIC. REMOVE THE -Y9- OFF-SITE DETOUR SIGNING.

STEP 6: INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y10- ROAD CLOSURE AS SHOWN ON SHEET TCP-41.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE I, STEP 7 THRU STEP 8 IN 7 CONSECUTIVE DAYS.

STEP 7: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y10- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y10- TO TRAFFIC AND DETOUR -Y10- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-41.

STEP 8: CONSTRUCT -Y10- FROM STA. 10+70+/- TO THE EXISTING -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-10, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS BACK TO THE ORIGINAL PATTERN ON -Y10- AND OPEN -Y10- TO TRAFFIC. REMOVE THE -Y10- OFF-SITE DETOUR SIGNING.

STEP 9: INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y11- ROAD CLOSURE AS SHOWN ON SHEET TCP-42.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE I, STEP 10 THRU STEP 11 IN 7 CONSECUTIVE DAYS.

STEP 10: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y11- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y11- TO TRAFFIC AND DETOUR -Y11- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-42.

STEP 11: CONSTRUCT -Y11- FROM STA. 11+50+/- TO THE EXISTING -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-11, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS BACK TO THE ORIGINAL PATTERN ON -Y11- AND OPEN -Y11- TO TRAFFIC. REMOVE THE -Y11- OFF-SITE DETOUR SIGNING.

PHASE II

STEP 1: COMPLETE CONSTRUCTION ON -Y7REV- FROM STA. 12+10+/- TO THE PROPOSED -Y8- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, BEGUN IN PHASE I, STEP 2.

USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9 CONSTRUCT PROPOSED -Y7REV- FROM STA. 10+05+/- TO STA. 12+10+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y7REV- AND SHIFT -Y7REV- TRAFFIC TO THE PATTERN SHOWN ON SHEET TCP-19.

STEP 2: COMPLETE CONSTRUCTION ON -L- (RIGHT SIDE) FROM STA. 38+40+/- TO STA. 82+50+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, BEGUN IN PHASE I, STEP 2.

WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON THE FOLLOWING:

- -DET1-: FROM STA. 17+07+/- -L- TO STA. 38+40+/- -L- IN THE PATTERN SHOWN ON SHEETS TCP-16 AND TCP-17.

- -L-: FROM STA. 38+40+/- TO STA. 82+50+/- IN THE PATTERN SHOWN ON SHEETS TCP-17, TCP-19, AND TCP-20.

STEP 3: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -DET1-, -L-, -Y1-, -Y2-, -Y3-, -Y4-, -Y5-, -Y6-, -Y8-, -Y9-, AND -Y10- FOR THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-16, TCP-17, TCP-19, AND TCP-20. RELOCATE ALL STOP SIGNS FOR -Y1-, -Y4-, -Y5-, -Y6-, -Y8-, AND -Y9- AND SHIFT -DET1-, -L-, -Y2-, -Y3-, -Y4-, -Y5-, -Y6-, -Y8-, -Y9-, AND -Y10- TO THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-16, TCP-17, TCP-19, AND TCP-20.

STEP 4: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, BEGIN CONSTRUCTION ON THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

- -L- (RIGHT SIDE): FROM STA. 14+00+/- TO STA. 38+21+/- AS SHOWN ON SHEETS TCP-16 AND TCP-17.

- -L- (LEFT SIDE): FROM STA. 40+92+/- TO STA. 74+25+/- INCLUDING WB MEDIAN CURB AND GUTTER FROM STA. 56+20+/- TO STA. 69+95+/- AS SHOWN ON SHEETS TCP-19 AND TCP-20.

INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y3- ROAD CLOSURE AS SHOWN ON SHEET TCP-43.

THE CONTRACTOR MAY CLOSE -Y3- AND -Y6- SIMULTANEOUSLY.

INTERMEDIATE CONTRACT TIME: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE II, STEP 5 THRU STEP 6 IN 7 CONSECUTIVE DAYS. (SEE SPECIAL PROVISIONS)

STEP 5: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y3- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y3- TO TRAFFIC AND DETOUR -Y3- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-43.

STEP 6: CONSTRUCT -Y3- FROM STA. 12+50+/- TO THE PROPOSED -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-16, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS ON -Y3- IN THE PATTERN SHOWN ON SHEET TCP-16 AND OPEN -Y3- TO TRAFFIC. REMOVE THE -Y3- OFF-SITE DETOUR SIGNING.

STEP 7: INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y6- ROAD CLOSURE AS SHOWN ON SHEET TCP-44.

INTERMEDIATE CONTRACT TIME: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE II, STEP 8 THRU STEP 9 IN 7 CONSECUTIVE DAYS. (SEE SPECIAL PROVISIONS)

STEP 8: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y6- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y6- TO TRAFFIC AND DETOUR -Y6- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-44.


STEP 9: CONSTRUCT -Y6- FROM STA. 10+80+/- TO THE PROPOSED -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-19, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS ON -Y6- IN THE PATTERN SHOWN ON SHEET TCP-19 AND OPEN -Y6- TO TRAFFIC. REMOVE THE -Y6- OFF-SITE DETOUR SIGNING.


STEP 10: COMPLETE CONSTRUCTION ON -L- (RIGHT SIDE) FROM STA. 110+00+/- TO STA. 140+40+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, BEGUN IN PHASE I, STEP 2.

WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- FROM STA. 110+00+/- TO STA. 138+19+/- IN THE PATTERN SHOWN ON SHEETS TCP-21 AND TCP-22.

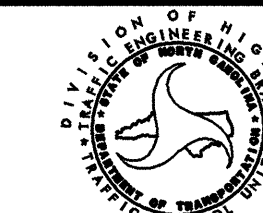
PLAN PREPARED IN THE OFFICE OF:

Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED:  DATE: 8/14/17



PHASING

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

PROJECT PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-3456	TCP-4

STEP 11: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y14-, -Y15- AND -Y15A- FOR THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-21 AND TCP-22. RELOCATE ALL STOP SIGNS FOR -Y14-, -Y15- AND -Y15A- AND SHIFT -L-, -Y14-, -Y15- AND -Y15A- TO THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-21 AND TCP-22.

STEP 12: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, BEGIN CONSTRUCTION ON -L- (LEFT SIDE) FROM STA. 116+45+/- TO STA. 130+75+/- INCLUDING WB MEDIAN CURB AND GUTTER FROM STA. 125+10+/- TO STA. 130+00+/- AND FROM STA. 132+50+/- TO STA. 136+15+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEETS TCP-21 AND TCP-22.

PHASE III

STEP 1: COMPLETE CONSTRUCTION ON -L- (RIGHT SIDE) FROM STA. 14+00+/- TO STA. 38+40+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, BEGUN IN PHASE II, STEP 4.

WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- FROM STA. 14+00+/- TO STA. 41+26+/- IN THE PATTERN SHOWN ON SHEETS TCP-23 AND TCP-24.

STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y1-, -Y2-, -Y3-, -Y4-, AND -Y5- FOR THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-23 AND TCP-24. ADJUST THE PROPOSED SIGNAL AT THE -L-/-Y2- INTERSECTION AS REQUIRED BY THE TRAFFIC SIGNAL PLANS, RELOCATE ALL STOP SIGNS FOR -Y1-, -Y4- AND -Y5- AND SHIFT -L-, -Y1-, -Y2-, -Y3-, -Y4-, AND -Y5- TO THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-23 AND TCP-24.

STEP 3: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, BEGIN CONSTRUCTION ON -L- (LEFT SIDE) FROM STA. 14+00+/- TO STA. 40+92+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEETS TCP-23, TCP-24, AND TCP-25.

INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y2- ROAD CLOSURE AS SHOWN ON SHEET TCP-45.

INTERMEDIATE CONTRACT TIME: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE III, STEP 4 THRU STEP 5 IN 7 CONSECUTIVE DAYS. (SEE SPECIAL PROVISIONS)

STEP 4: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y2- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y2- TO TRAFFIC AND DETOUR -Y2- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-45.

STEP 5: CONSTRUCT -Y2- FROM STA. 15+70+/- TO THE PROPOSED -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-23, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS ON -Y2- IN THE PATTERN SHOWN ON SHEET TCP-23 AND OPEN -Y2- TO TRAFFIC. REMOVE THE -Y2- OFF-SITE DETOUR SIGNING.

STEP 6: COMPLETE CONSTRUCTION ON THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, BEGUN IN PHASE I, STEP 2 AND PHASE II, STEP 3.
 - -L- (LEFT SIDE) FROM STA. 70+00+/- TO STA. 167+00+/-.
 - -Y17A-: FROM STA. 10+50+/- TO THE PROPOSED -L- INTERSECTION.
 - -Y17B-: FROM STA. 18+00+/- TO THE PROPOSED -L- INTERSECTION.

COMPLETE THE INSTALLATION OF THE REVISED TRAFFIC SIGNAL EQUIPMENT FOR TEMPORARY PATTERN AT THE -L-/-Y17A- INTERSECTION, BEGUN IN PHASE I, STEP 2.

WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- FROM STA. 69+05+/- TO STA. 167+00+/- AND ON -Y17A- AND -Y17B- IN THE PATTERN SHOWN ON SHEETS TCP-26 THRU TCP-31.

STEP 7: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y9-, -Y10-, -Y11-, -Y12-, -Y13-, -Y14-, -Y15-, -Y15A-, -Y16-, -Y17A-, AND -Y17B- FOR THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-26 THRU TCP-31. ACTIVATE THE REVISED SIGNAL AT THE -L-/-Y17A- INTERSECTION, RELOCATE ALL STOP SIGNS FOR -Y9-, -Y10-, -Y11-, -Y12-, -Y13-, -Y14-, -Y15-, -Y15A-, AND -Y16- AND SHIFT -L-, -Y9-, -Y10-, -Y11-, -Y12-, -Y13-, -Y14-, -Y15-, -Y15A-, -Y16-, -Y17A-, AND -Y17B- TO THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-26 THRU TCP-31.

STEP 8: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, BEGIN CONSTRUCTION ON THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

- -L- (RIGHT SIDE): FROM STA. 82+50+/- TO STA. 110+00+/- INCLUDING EB MEDIAN CURB AND GUTTER FROM STA. 82+50+/- TO STA. 88+95+/- AS SHOWN ON SHEETS TCP-27 AND TCP-28.

FROM STA. 140+40+/- TO STA. 157+10+/- INCLUDING EB MEDIAN CURB AND GUTTER FROM STA. 144+55+/- TO STA. 152+95+/- AS SHOWN ON SHEETS TCP-30 AND TCP-31.

INSTALL AND COVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y12- ROAD CLOSURE AS SHOWN ON SHEET TCP-46.

THE CONTRACTOR MAY CLOSE -Y12- AND -Y16- SIMULTANEOUSLY.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE III, STEP 9 THRU STEP 10 IN 7 CONSECUTIVE DAYS.

STEP 9: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y12- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y12- TO TRAFFIC AND DETOUR -Y12- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-46.

STEP 10: CONSTRUCT -Y12- FROM STA. 12+60+/- TO THE PROPOSED -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-27, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS ON -Y12- IN THE PATTERN SHOWN ON SHEET TCP-27 AND OPEN -Y12- TO TRAFFIC. REMOVE THE -Y12- OFF-SITE DETOUR SIGNING.

INTERMEDIATE CONTRACT TIME: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE III, STEP 11 THRU STEP 12 IN 7 CONSECUTIVE DAYS. (SEE SPECIAL PROVISIONS)

STEP 11: UNCOVER ALL OFF-SITE DETOUR SIGNAGE FOR THE -Y16- DETOUR, AND USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y16- TO TRAFFIC AND DETOUR -Y16- TRAFFIC ONTO THE OFF-SITE DETOUR SHOWN ON SHEET TCP-47.

STEP 12: CONSTRUCT -Y16- FROM STA. 12+15+/- TO THE PROPOSED -L- INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CURB & GUTTER AND SIDEWALKS AS SHOWN ON SHEET TCP-30, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS ON -Y16- IN THE PATTERN SHOWN ON SHEET TCP-30 AND OPEN -Y16- TO TRAFFIC. REMOVE THE -Y16- OFF-SITE DETOUR SIGNING.

PHASE IV

STEP 1: COMPLETE CONSTRUCTION ON BOTH SIDES OF -L- FROM STA. 47+00+/- TO STA. 167+00+/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE INCLUDING THE SECTIONS OF MEDIAN CURB AND GUTTER OUTLINED IN PREVIOUS PHASES.

STEP 2: WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- FROM STA. 47+00+/- TO STA. 167+00+/- IN THE PATTERN SHOWN ON SHEETS TCP-32 THRU TCP-39.

STEP 3: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, AS NEEDED, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y8-, -Y9-, -Y10-, -Y12-, -Y13-, -Y14-, -Y15-, -Y15A-, -Y16-, -Y17A-, AND -Y17B- FOR THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-32 THRU TCP-39. ADJUST THE PROPOSED SIGNAL AT THE -L-/-Y17A- INTERSECTION, RELOCATE ALL STOP SIGNS FOR -Y8-, -Y9-, -Y10-, -Y12-, -Y13-, -Y14-, -Y15-, -Y15A-, AND -Y16- AND SHIFT -L-, -Y8-, -Y9-, -Y10-, -Y12-, -Y13-, -Y14-, -Y15-, -Y15A-, -Y16-, -Y17A-, AND -Y17B- TO THE TRAFFIC PATTERN SHOWN ON SHEETS TCP-32 THRU TCP-39.

STEP 4: CONSTRUCT ALL REMAINING -L- LINE MEDIAN CURB AND GUTTER, MEDIAN, AND ALL MONOLITHIC ISLANDS ON -L- FROM STA. 52+50+/- -L- TO STA. 156+72+/- -L- AS SHOWN ON SHEETS TCP-32 THRU TCP-39.

COMPLETE ALL REMAINING ROADWAY CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

PHASE V

STEP 1: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 AND 3 OF 9, PLACE THE FINAL LAYER OF SURFACE COURSE, POLYUREA PAVEMENT MARKINGS, AND SNOWPLOWABLE RAISED PAVEMENT MARKERS ON ALL ROADWAYS AND OPEN TO FINAL PATTERN SEE SHEETS PM-1 THRU PM-7.

STEP 2: REMOVE ALL TRAFFIC CONTROL DEVICES.

BUT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEET TCP-27, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS AND MARKERS ON -Y12- IN THE PATTERN SHOWN ON SHEET TCP-27 AND OPEN -Y12- TO TRAFFIC. REMOVE THE -Y12- OFF-SITE DETOUR SIGNING.

PLAN PREPARED IN THE OFFICE OF:

Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0222 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 8/14/17

SEAL

PHASING

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

TEMPORARY PAVEMENT MARKING QUANTITIES

SYMBOL	DESCRIPTION	INTERMEDIATE	PAY ITEM QUANTITY BREAKDOWN	TOTAL QUANTITY
PAVEMENT MARKINGS				
PAINT (4")				
PA	WHITE EDGELINE		42601 LF	
PB	YELLOW EDGELINE		10457 LF	
PC	10 FT. WHITE SKIP		2964 LF	
PD	2 FT. WHITE MINISKIP		1002 LF	
PE	WHITE SOLID LANE LINE		6233 LF	
PF	10 FT. YELLOW SKIP		84 LF	
PH	YELLOW SINGLE CENTER		336 LF	
PI	YELLOW DOUBLE CENTER		73916 LF	
			TOTAL	137593 LF
PAINT (8")				
PR	WHITE GORELINE		990 LF	
PV	YELLOW DIAGONAL		760 LF	
			TOTAL	1750 LF
PAINT (24")				
P4	WHITE STOPBAR		1540 LF	
			TOTAL	1540 LF
PAINT MARKING CHARACTERS				
QI	ALPHANUMERIC CHAR.		192 EA	
			TOTAL	192 EA
PAINT MARKING SYMBOLS				
QA	LEFT TURN ARROW		43 EA	
QB	RIGHT TURN ARROW		72 EA	
QC	STRAIGHT ARROW		10 EA	
QD	COMBO. STRAIGHT/LEFT		4 EA	
QE	COMBO. STRAIGHT/RIGHT		14 EA	
			TOTAL	143 EA
MARKERS				
TEMPORARY RAISED PAVEMENT MARKERS				
MH	YELLOW & YELLOW		932 EA	
MI	CRYSTAL & RED		436 EA	
			TOTAL	1368 EA

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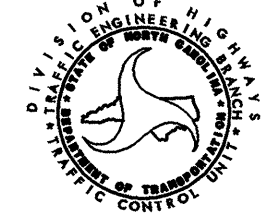
Kubilins
TRANSPORTATION GROUP, INC.
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CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/7/17

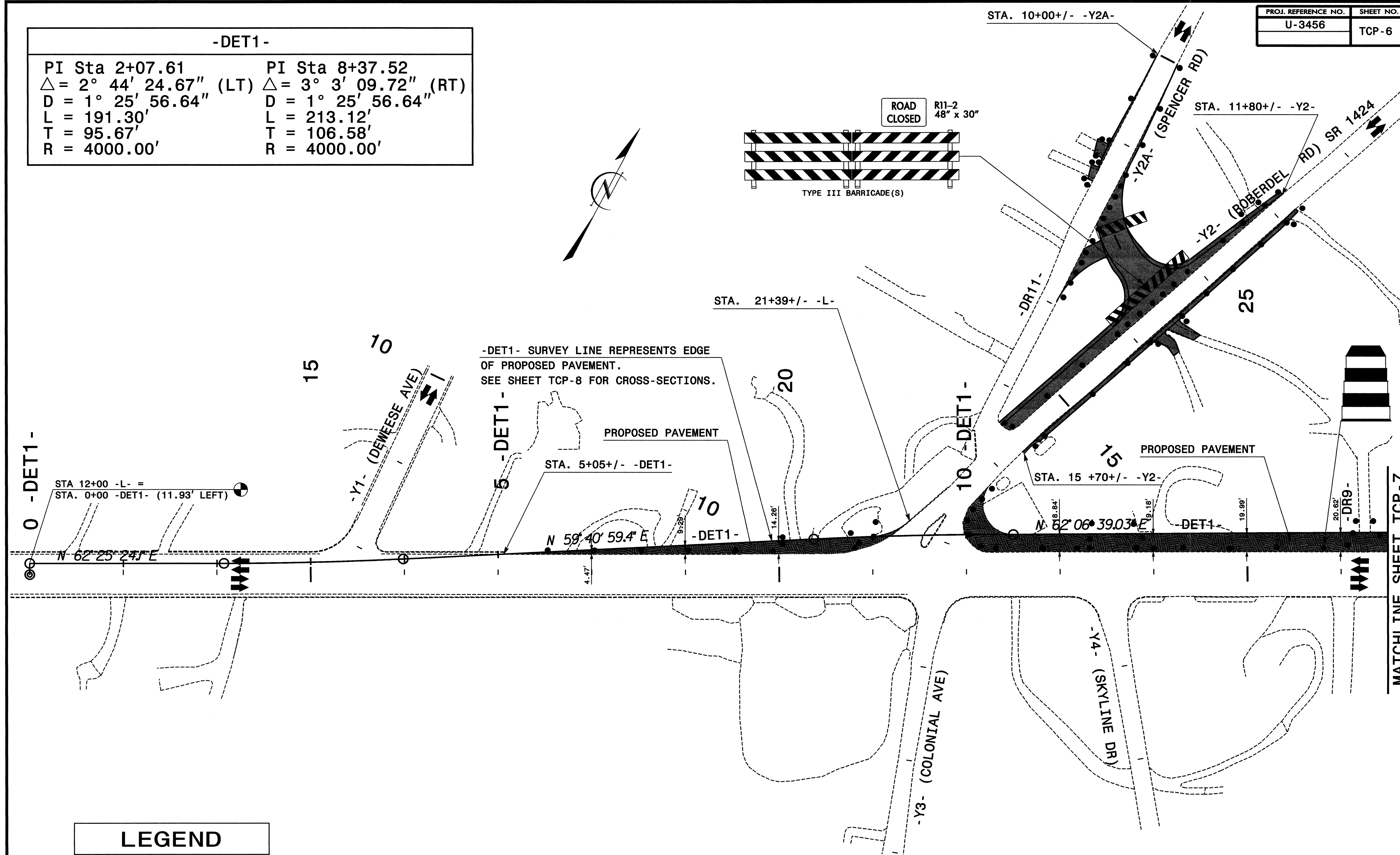
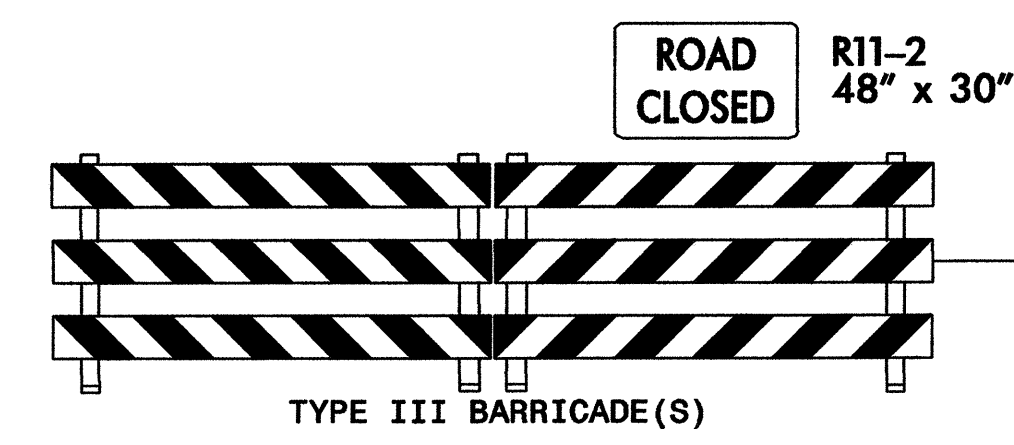
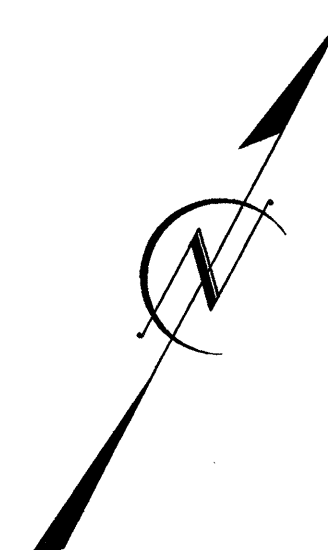
SEAL

UNIVERSITY OF NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL
025465
TIM AREY

TEMPORARY PAVEMENT MARKING QUANTITIES

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

-DET1-	
PI Sta 2+07.61	PI Sta 8+37.52
$\Delta = 2^\circ 44' 24.67''$ (LT)	$\Delta = 3^\circ 3' 09.72''$ (RT)
D = $1^\circ 25' 56.64''$	D = $1^\circ 25' 56.64''$
L = 191.30'	L = 213.12'
T = 95.67'	T = 106.58'
R = 4000.00'	R = 4000.00'



LEGEND	
	NEW CONSTRUCTION
	PROPOSED PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

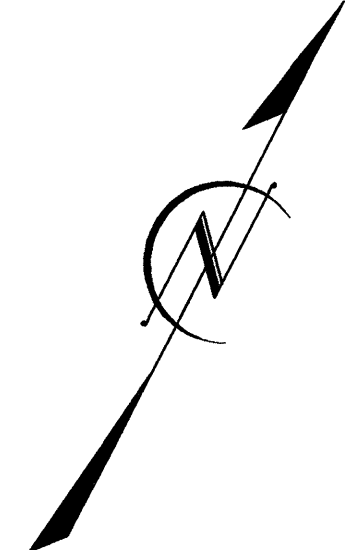
PLAN PREPARED IN THE OFFICE OF:
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TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: <i>Tim Arey</i> DATE: 9/3/17	PHASE I	
	SCALE: NONE	
	DATE: 7/07	
	DWG. BY: TRS	
	DESIGN BY: TMA	
REVIEWED BY: TMA	REVISIONS	

MATCHLINE SHEET TCP-7

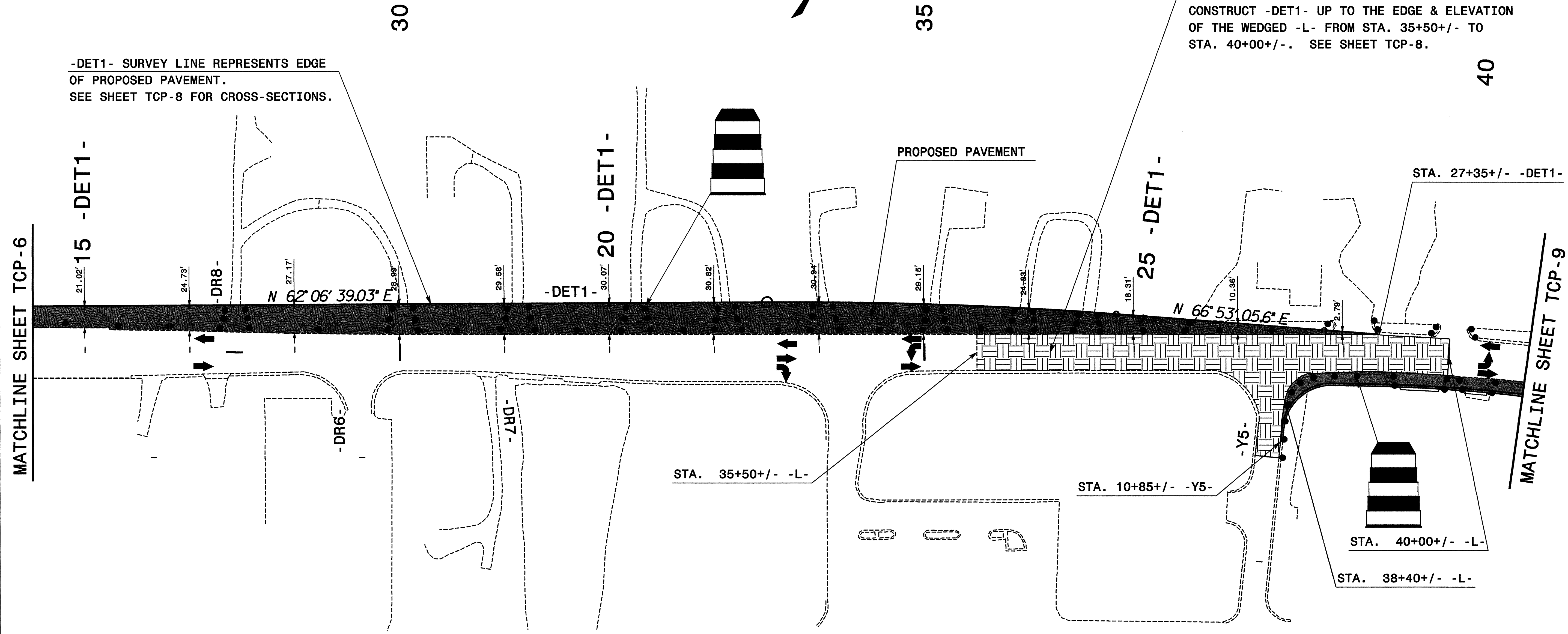
-DET1-

PI Sta 21+50.65
 $\Delta = 4^{\circ} 46' 26.40''$ (RT)
D = $1^{\circ} 25' 56.64''$
L = 333.29'
T = 166.74'
R = 4000.00'



USING RDWY STD. DWG #1101.02, SHEET 1 OF 7,
WEDGE EXISTING -L- UP TO PROPOSED ELEVATION
FROM STA. 35+50+/- TO STA. 40+00+/- AND
CONSTRUCT -DET1- UP TO THE EDGE & ELEVATION
OF THE WEDGED -L- FROM STA. 35+50+/- TO
STA. 40+00+/- . SEE SHEET TCP-8.

-DET1- SURVEY LINE REPRESENTS EDGE
OF PROPOSED PAVEMENT.
SEE SHEET TCP-8 FOR CROSS-SECTIONS.



LEGEND	
	NEW CONSTRUCTION
	PROPOSED PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

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800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
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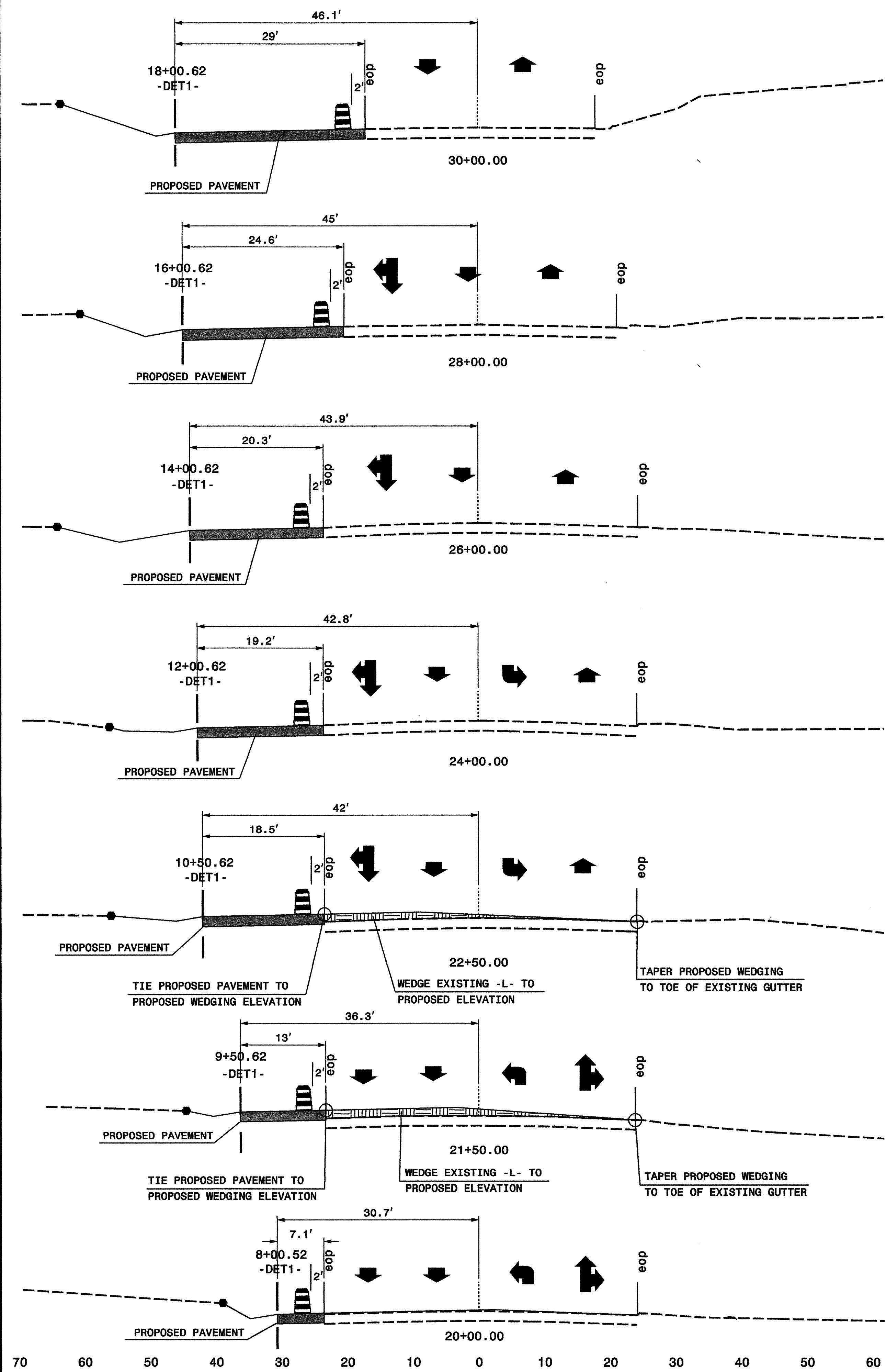
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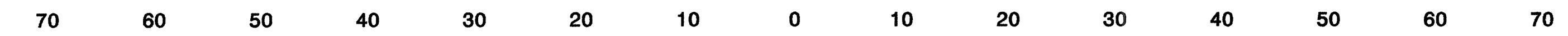
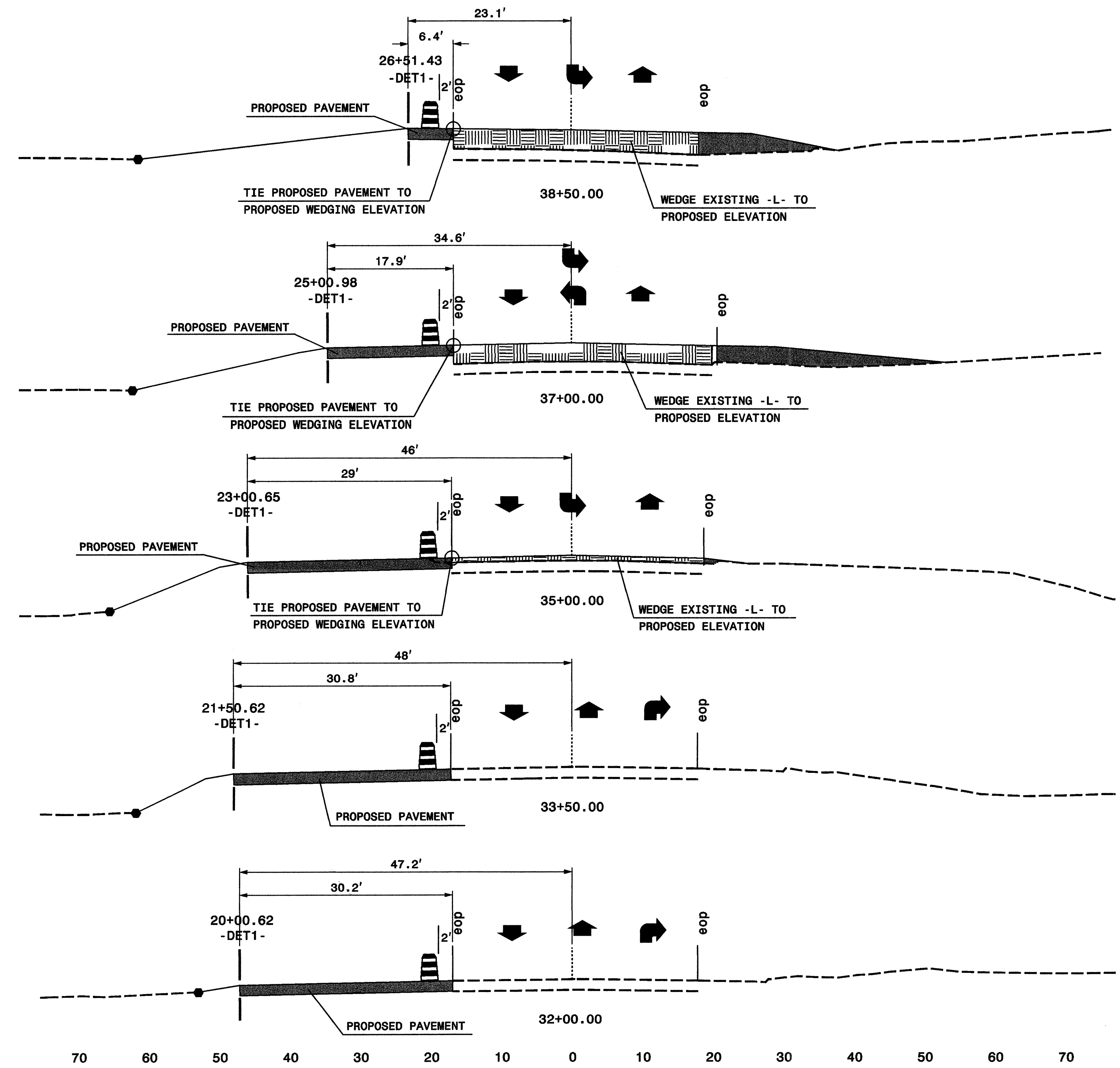
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CADD FILE



REPRESENTS PROPOSED -L- SLOPE STAKE LOCATION. USE TEMPORARY SLOPES NO STEEPER THAN 2:1 TO ENSURE THAT THE SLOPE STAKE LOCATION FOR THE PROPOSED PAVEMENT SECTION DOES NOT GO BEYOND THE PROPOSED SLOPE STAKE LOCATION.



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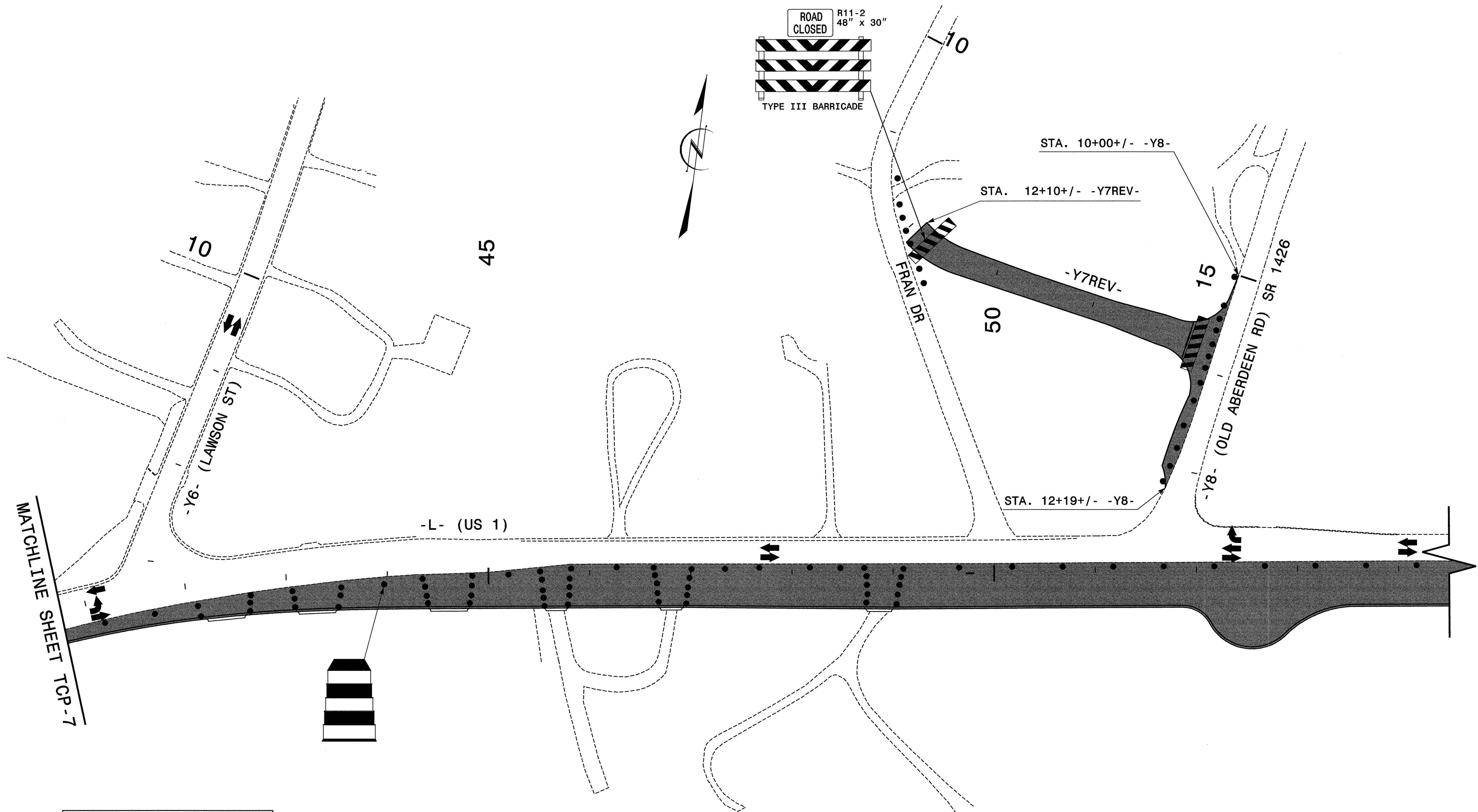
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025465

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LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

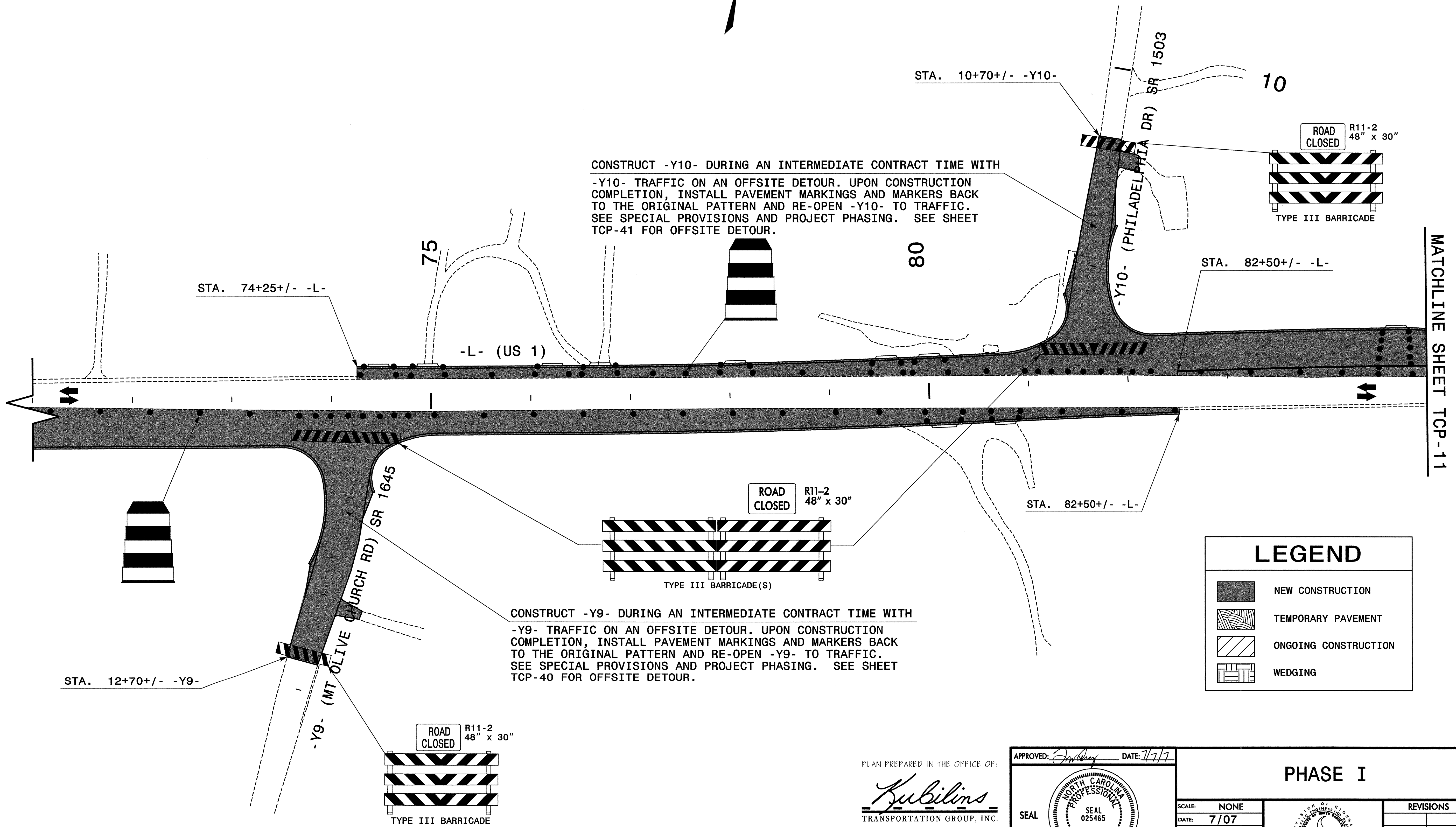
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 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *Tim Arey* DATE: 7/07

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PHASE I

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REVISIONS										
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REVIEWED BY: TMA	CADD FILE									



MATCHLINE SHEET TCP-11

LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

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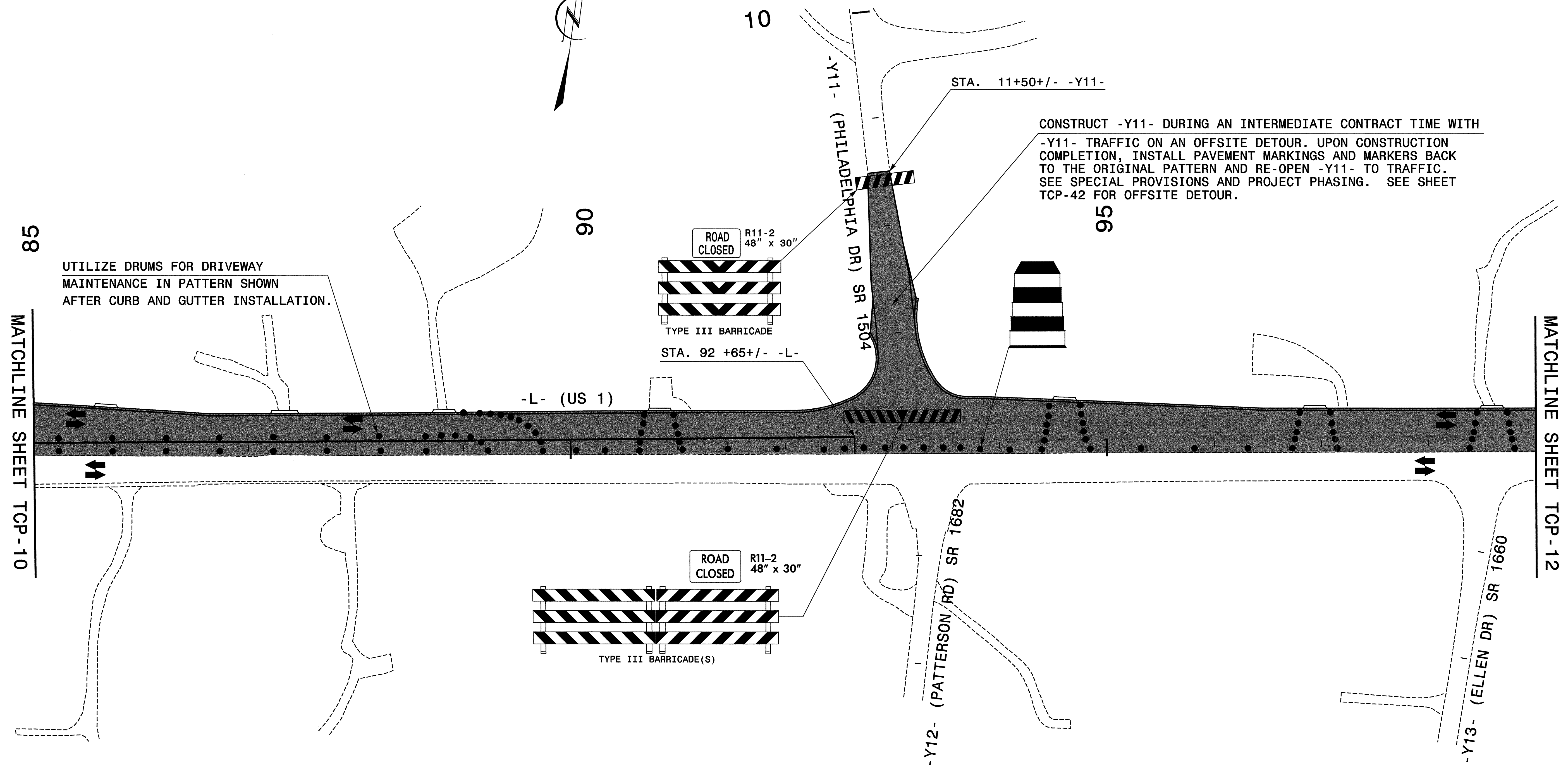
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APPROVED: DATE: 7/7/7

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DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		



CONSTRUCT -Y11- DURING AN INTERMEDIATE CONTRACT TIME WITH -Y11- TRAFFIC ON AN OFFSITE DETOUR. UPON CONSTRUCTION COMPLETION, INSTALL PAVEMENT MARKINGS AND MARKERS BACK TO THE ORIGINAL PATTERN AND RE-OPEN -Y11- TO TRAFFIC. SEE SPECIAL PROVISIONS AND PROJECT PHASING. SEE SHEET TCP-42 FOR OFFSITE DETOUR.

UTILIZE DRUMS FOR DRIVEWAY MAINTENANCE IN PATTERN SHOWN AFTER CURB AND GUTTER INSTALLATION.

MATCHLINE SHEET TCP-10

MATCHLINE SHEET TCP-12

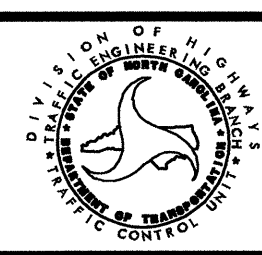
LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

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 CHARLOTTE, NC 28208
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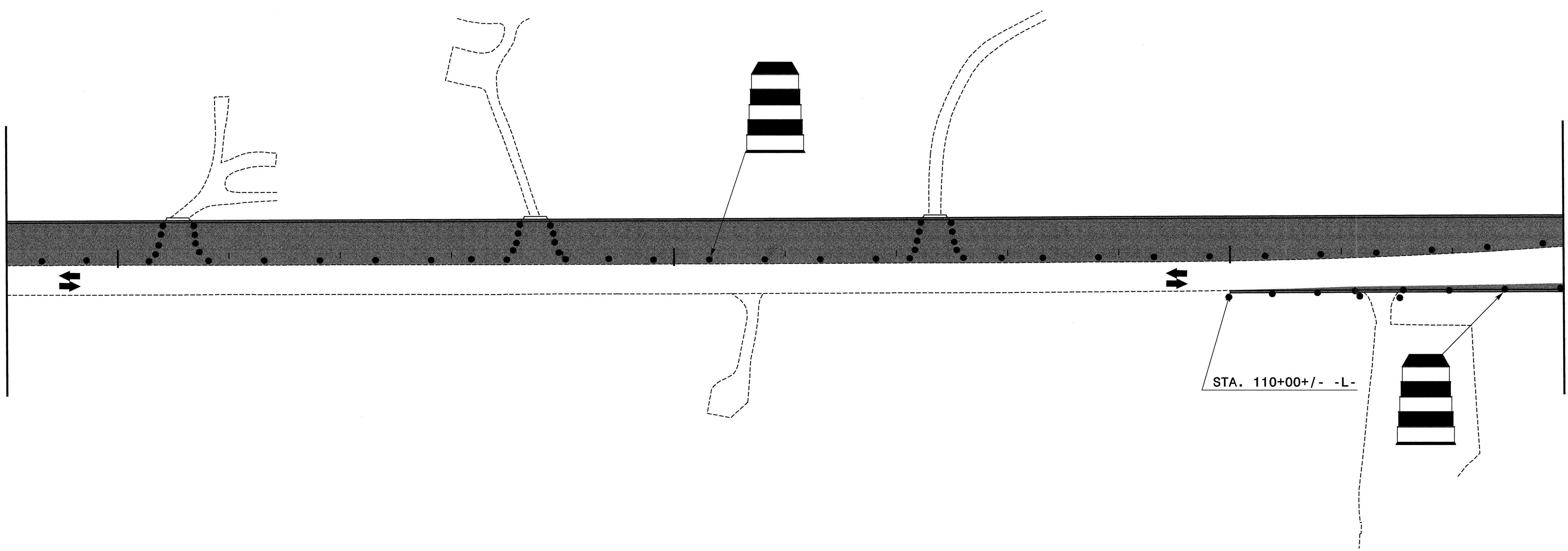
100

105

110

MATCHLINE SHEET TCP-11

MATCHLINE SHEET TCP-13



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

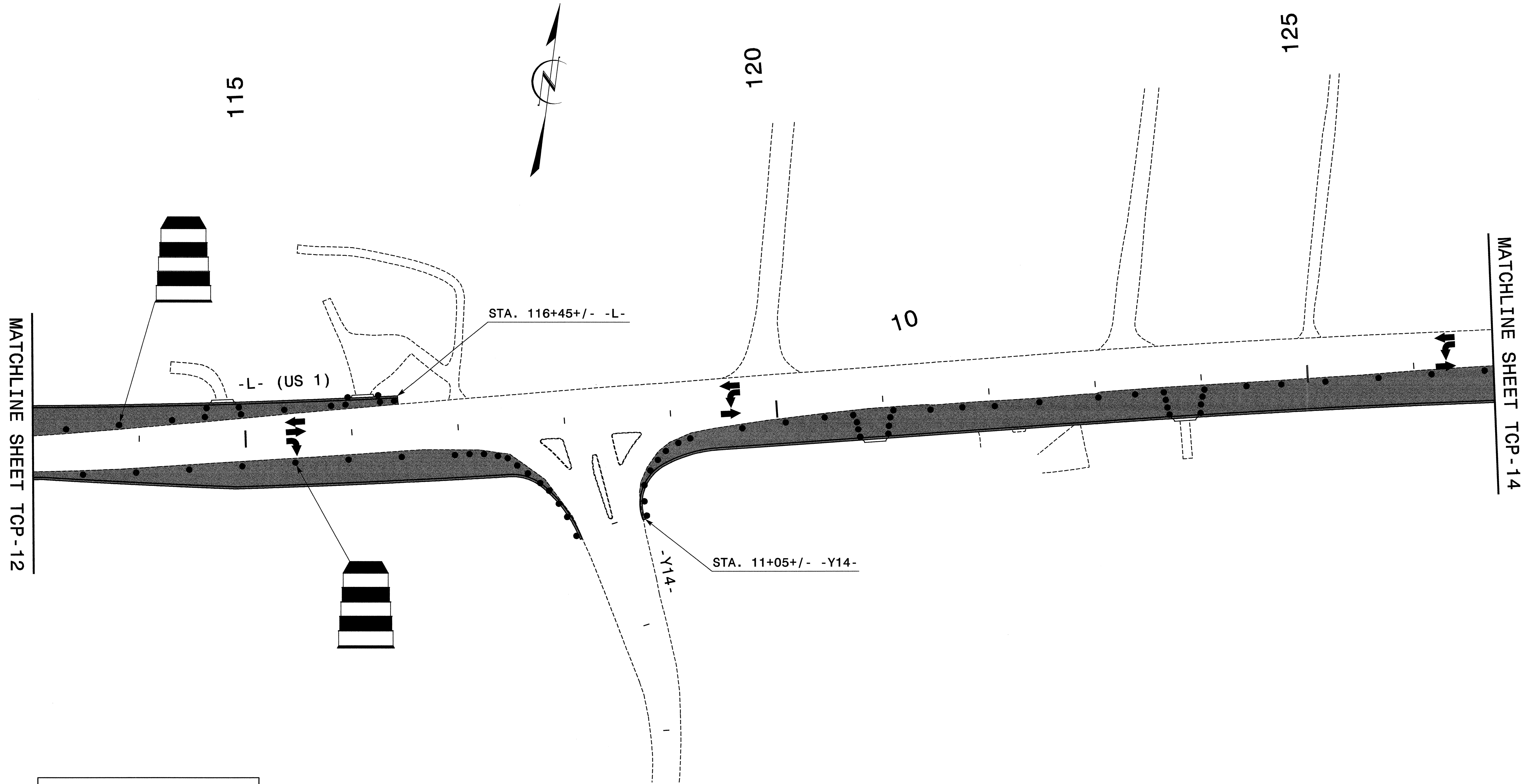
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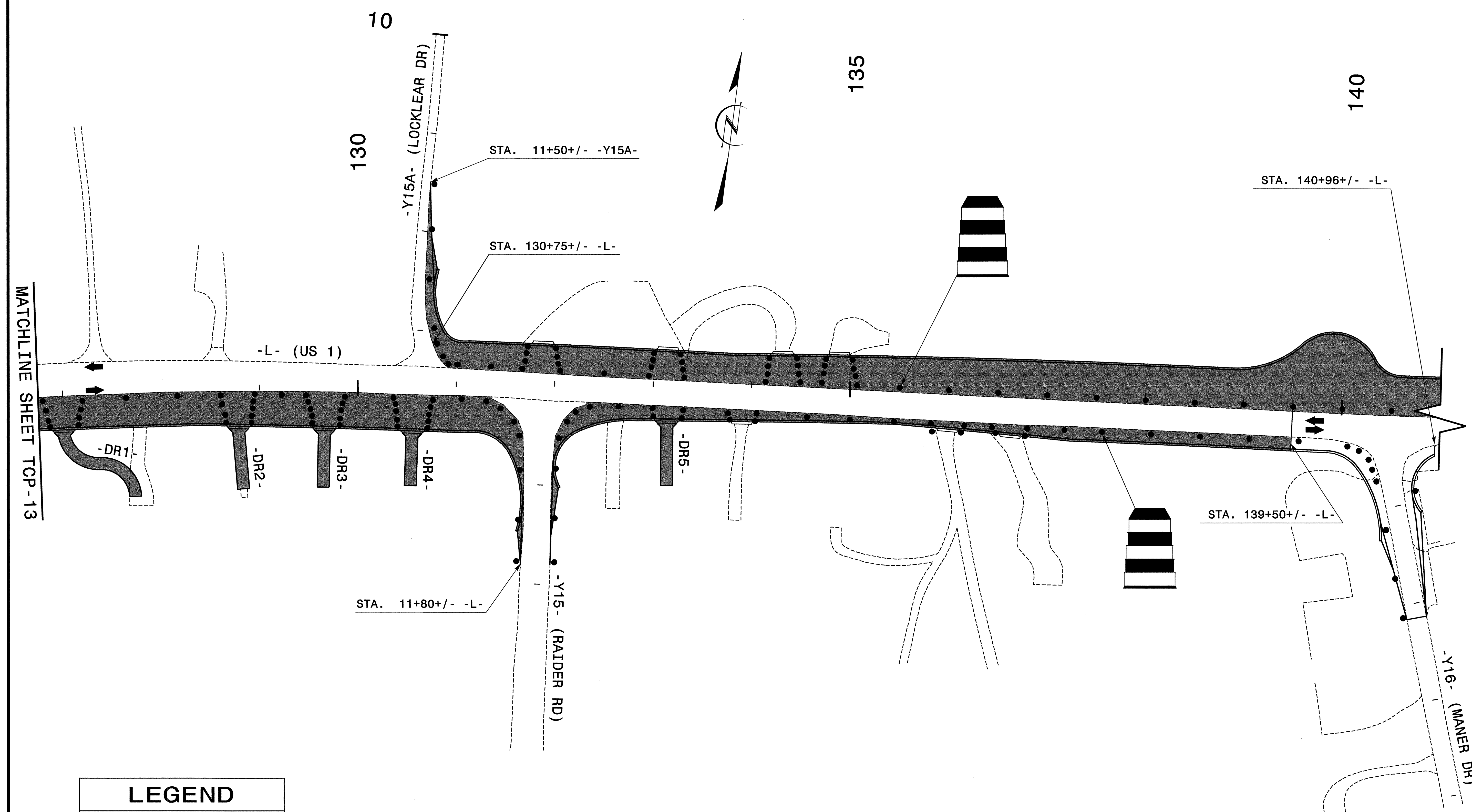
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REVIEWED BY: TMA		



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: <i>Tim Arey</i> DATE: 7/7	PHASE I	
SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		CADD FILE



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

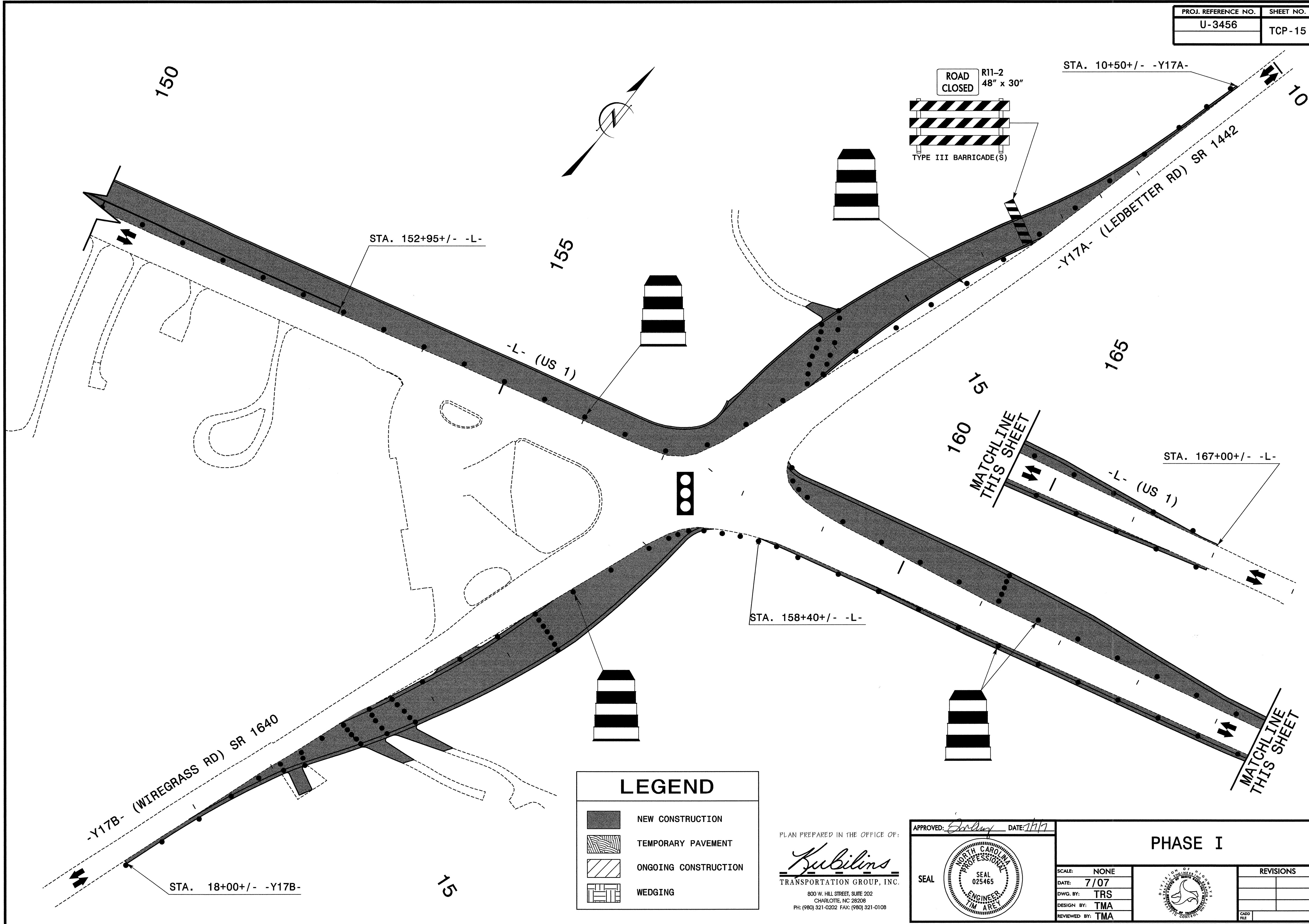
APPROVED: *[Signature]* DATE: 7/17

SEAL

PHASE I

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

CADD FILE



LEGEND

- NEW CONSTRUCTION
- TEMPORARY PAVEMENT
- ONGOING CONSTRUCTION
- WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

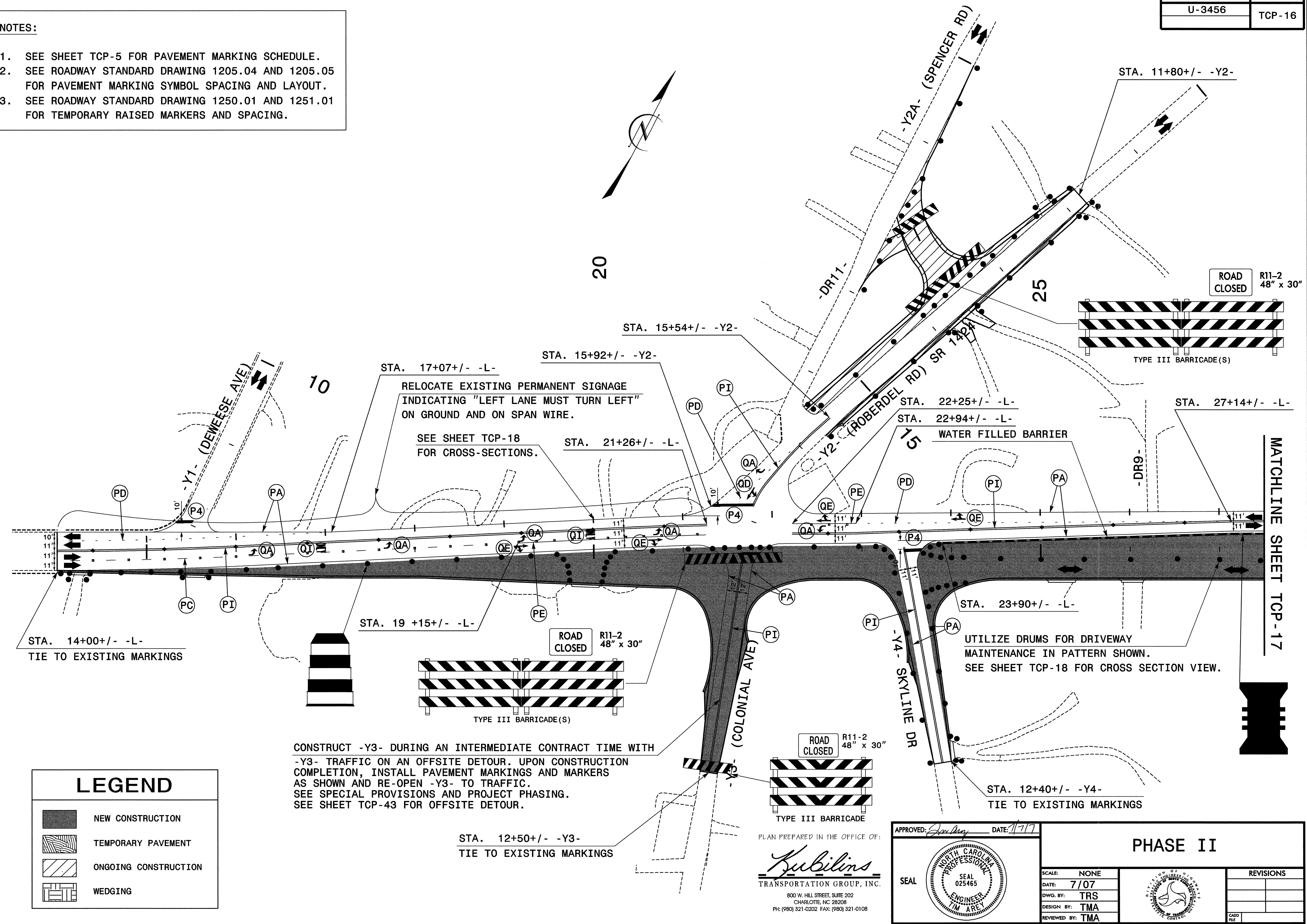
APPROVED: *[Signature]* DATE: 7/17

PHASE I

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:

 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

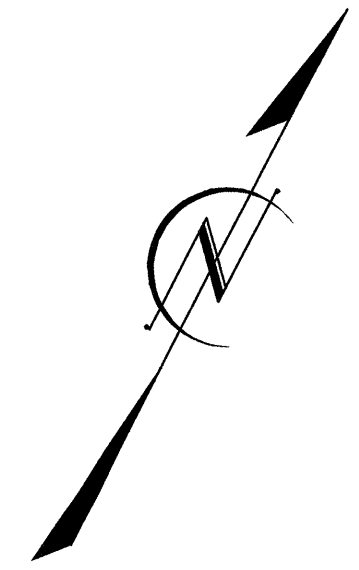
APPROVED: *[Signature]* DATE: 7/17

SEAL

PHASE II		REVISIONS
SCALE: NONE	DATE: 7/07	
DWG. BY: TRS	DESIGN BY: TMA	
REVIEWED BY: TMA		

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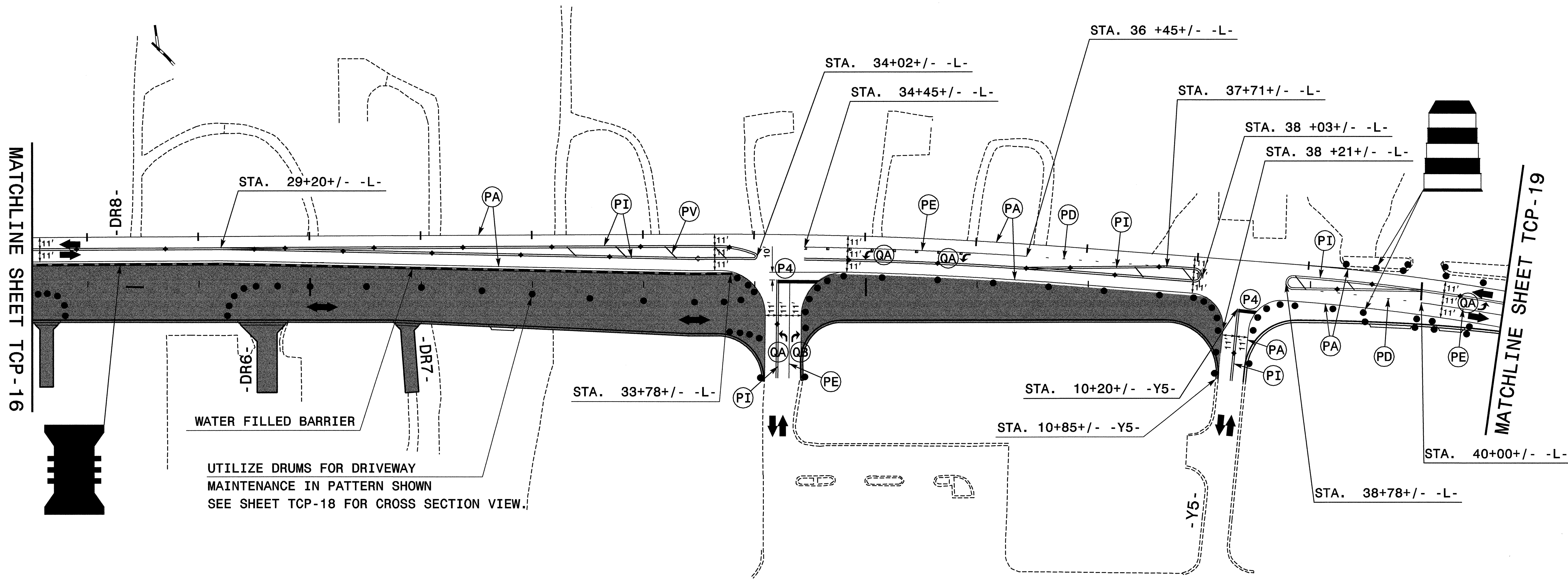
1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



30

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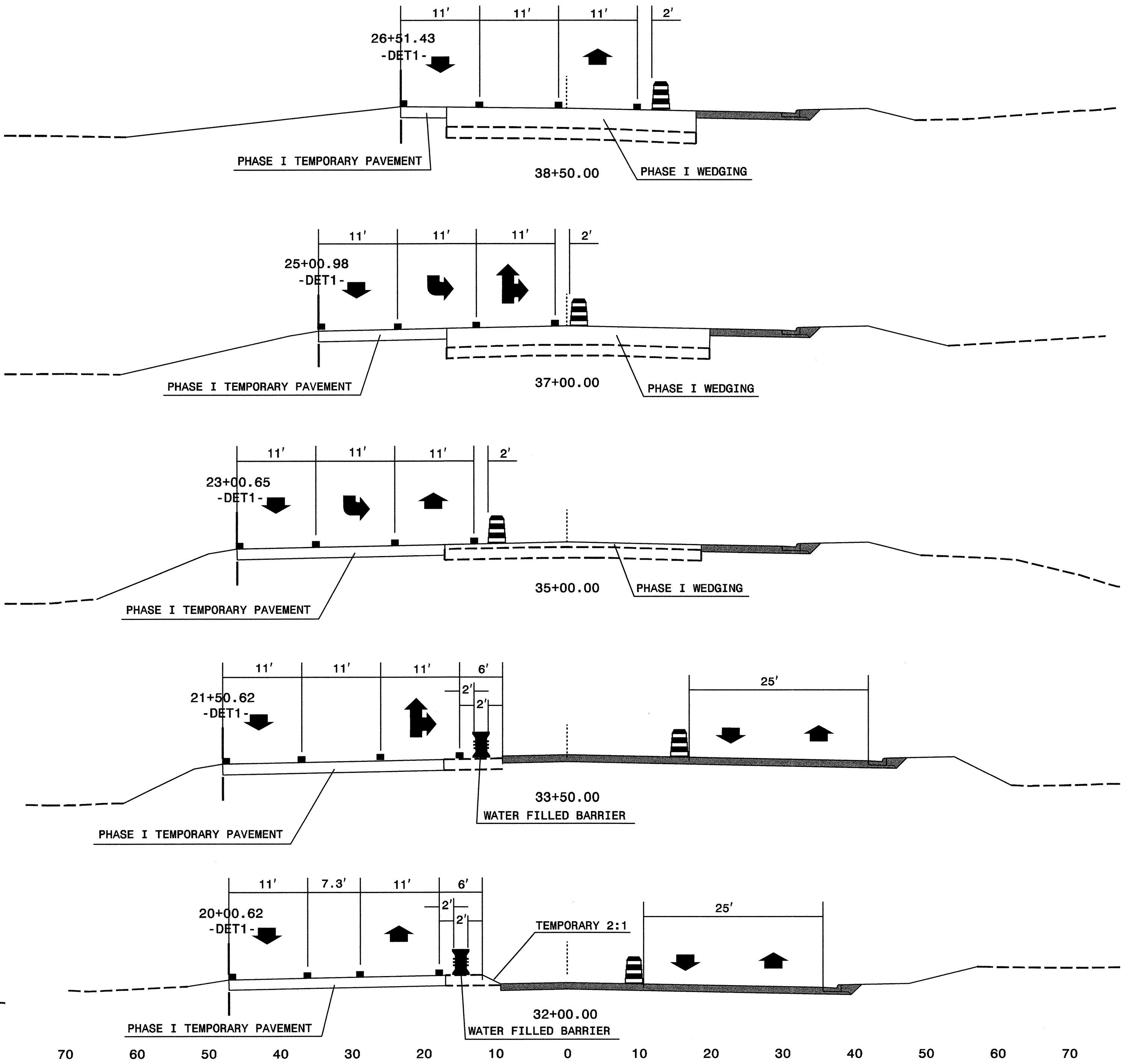
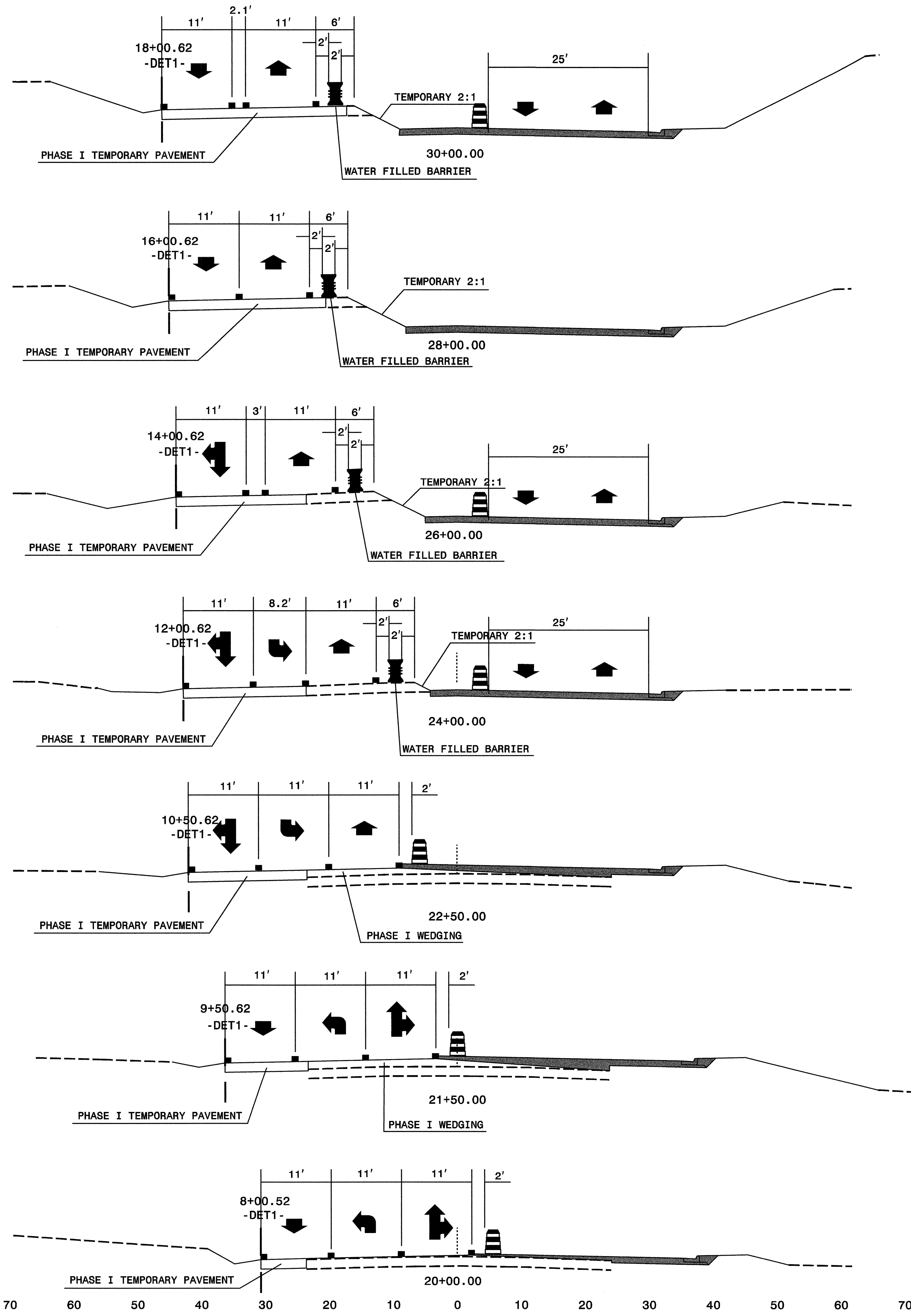
WATER FILLED BARRIER
 UTILIZE DRUMS FOR DRIVEWAY MAINTENANCE IN PATTERN SHOWN
 SEE SHEET TCP-18 FOR CROSS SECTION VIEW.

LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/7/07

PHASE II	
SCALE: NONE	REVISIONS
DATE: 7/07	
DWG. BY: TRS	
DESIGN BY: TMA	
REVIEWED BY: TMA	



70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

SEAL



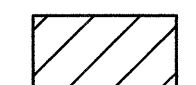
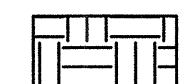

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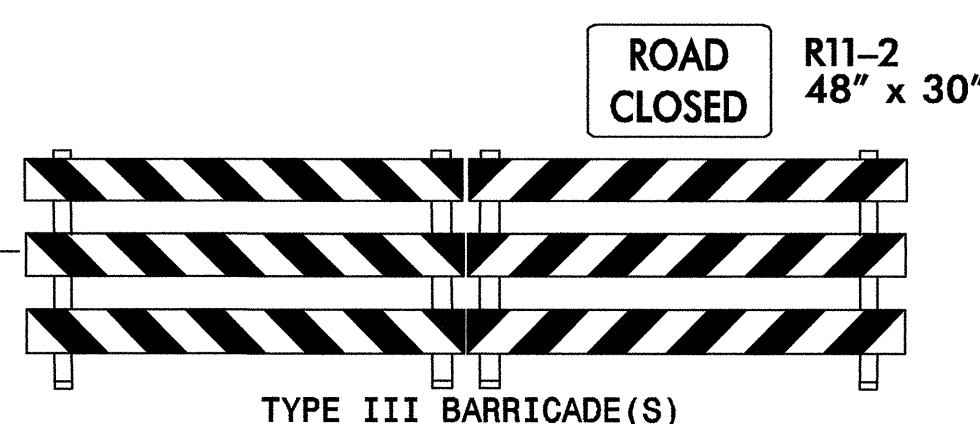
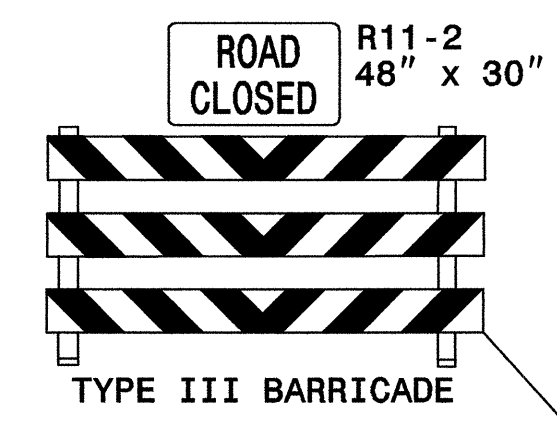
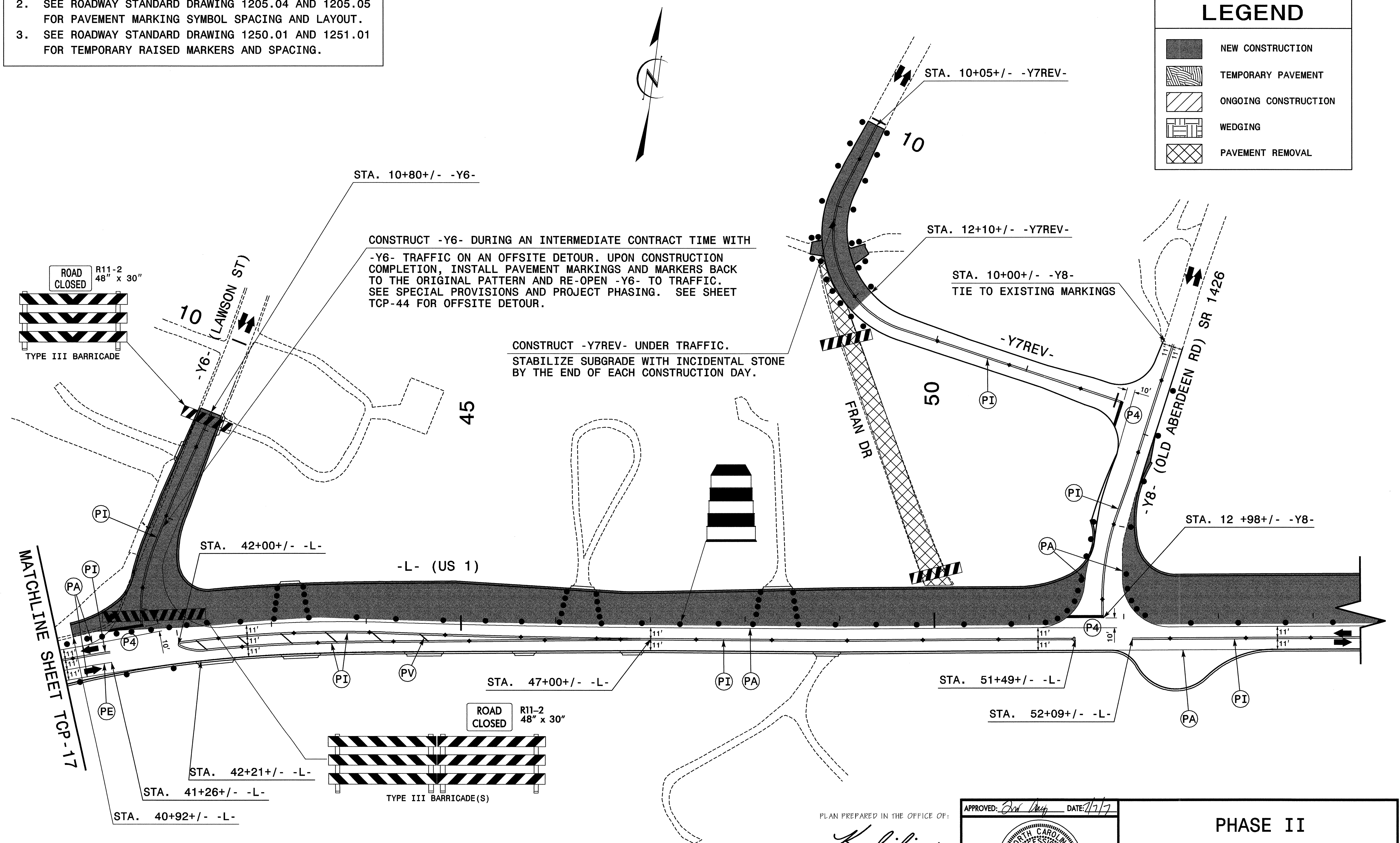
SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.

LEGEND

-  NEW CONSTRUCTION
-  TEMPORARY PAVEMENT
-  ONGOING CONSTRUCTION
-  WEDGING
-  PAVEMENT REMOVAL



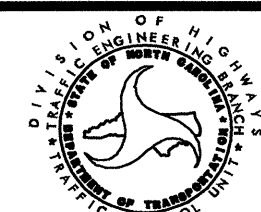
MATCHLINE SHEET TCP-17

PLAN PREPARED IN THE OFFICE OF:
Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

SEAL

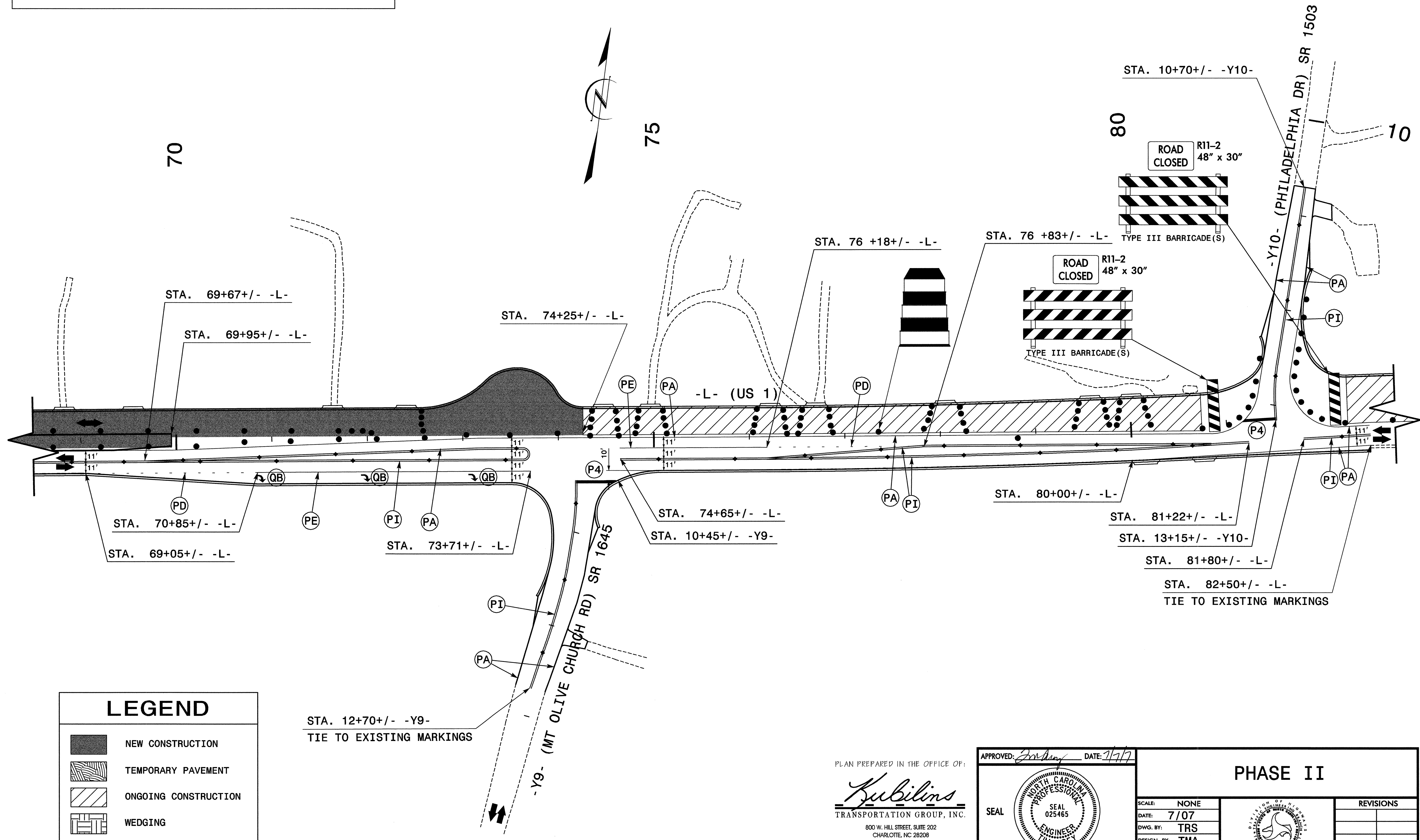
PHASE II

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

CADD FILE

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

STA. 12+70+/- -Y9-
TIE TO EXISTING MARKINGS

PLAN PREPARED IN THE OFFICE OF:

 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

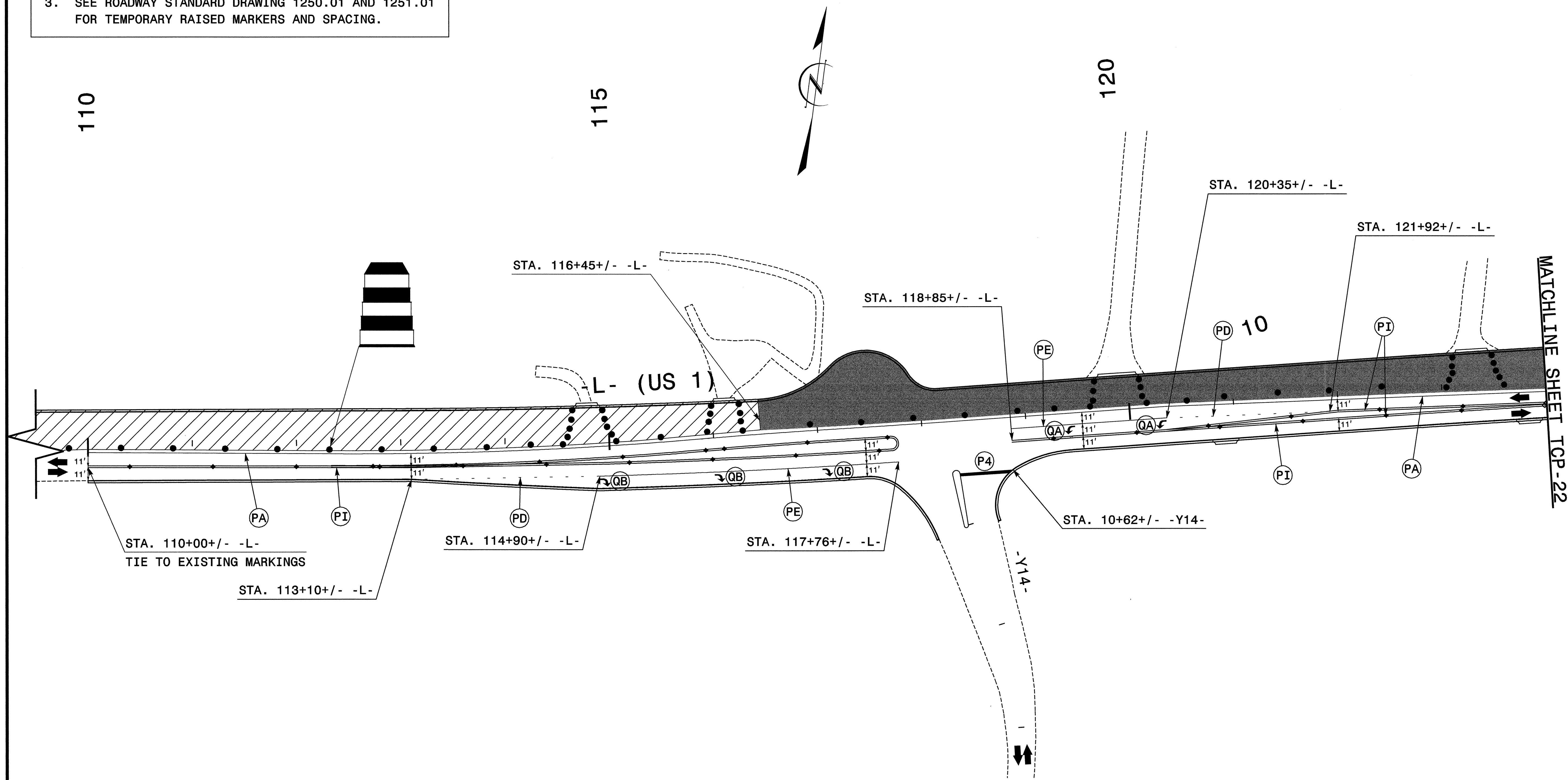
APPROVED: *Jordan* DATE: 7/7/07

SEAL

PHASE II	
SCALE: NONE	REVISIONS
DATE: 7/07	
DWG. BY: TRS	
DESIGN BY: TMA	
REVIEWED BY: TMA	

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



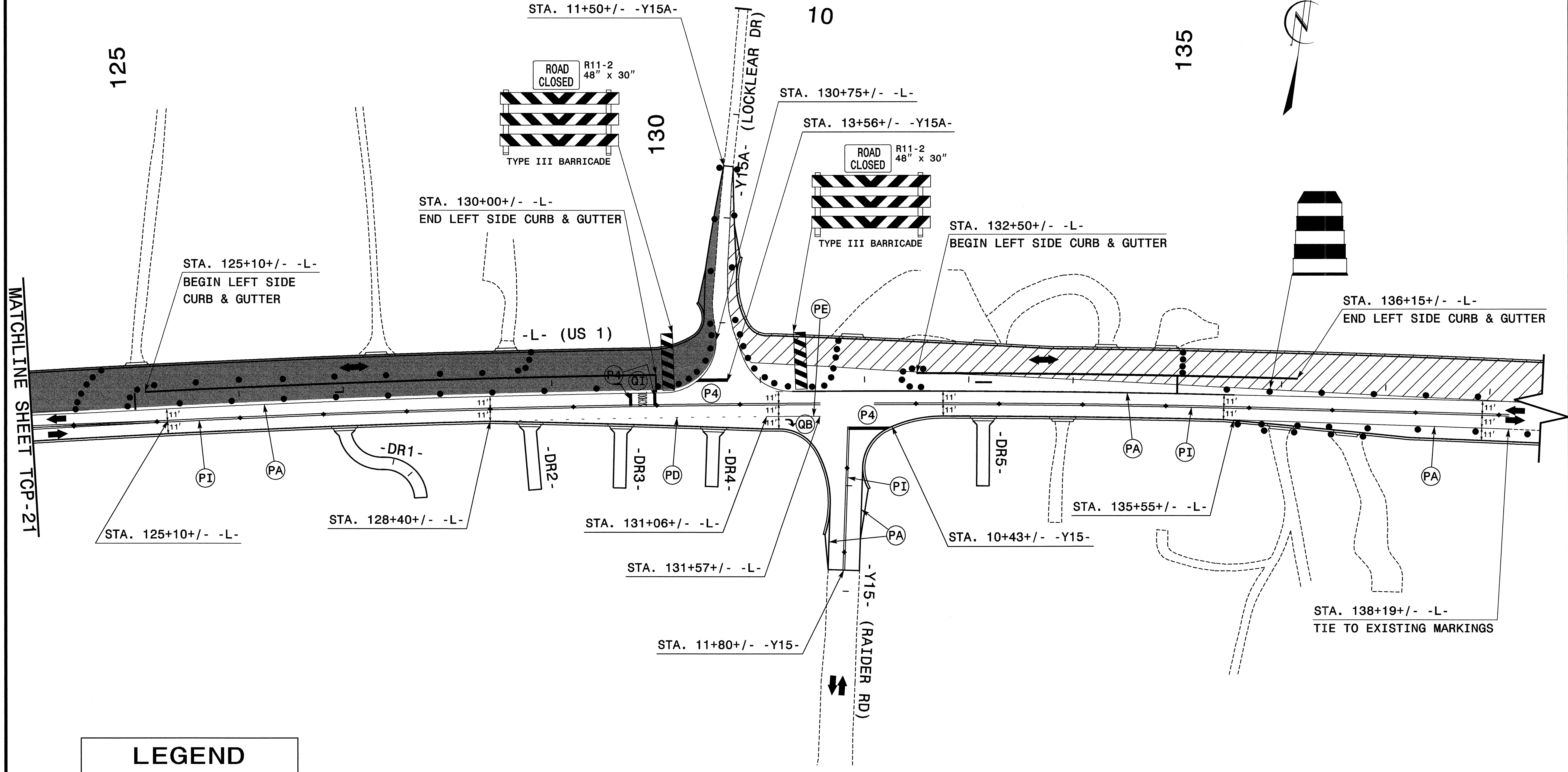
LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
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APPROVED: <i>Tom Aug</i> DATE: 7/17	PHASE II		SCALE: NONE		REVISIONS
DATE: 7/07			DESIGN BY: TRS		
DESIGN BY: TMA	REVIEWED BY: TMA				

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
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 PH: (980) 321-0202 FAX: (980) 321-0108

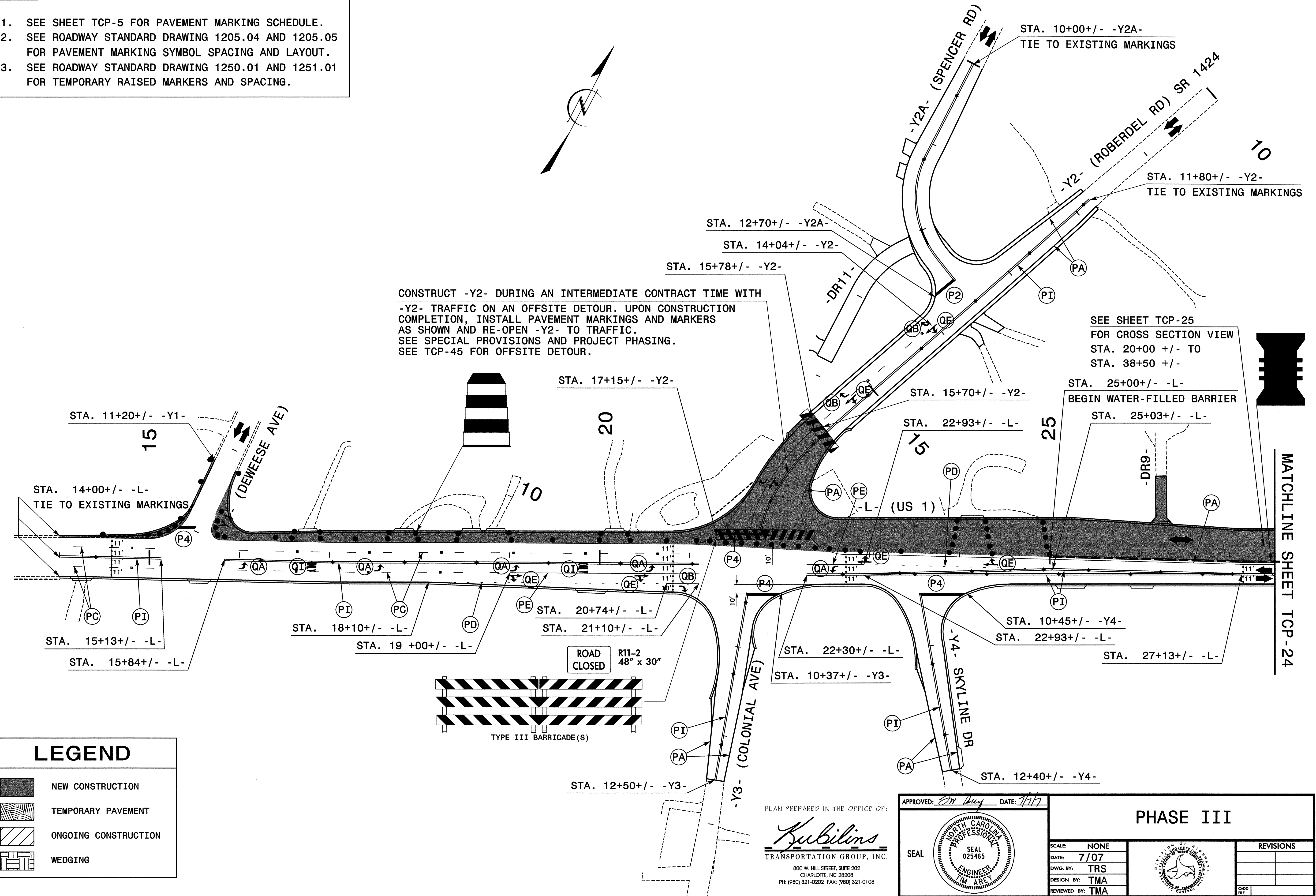
APPROVED: *[Signature]* DATE: 7/07

SEAL

PHASE II		REVISIONS
SCALE:	NONE	
DATE:	7/07	
DWG. BY:	TRS	
DESIGN BY:	TMA	
REVIEWED BY:	TMA	

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

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 TRANSPORTATION GROUP, INC.
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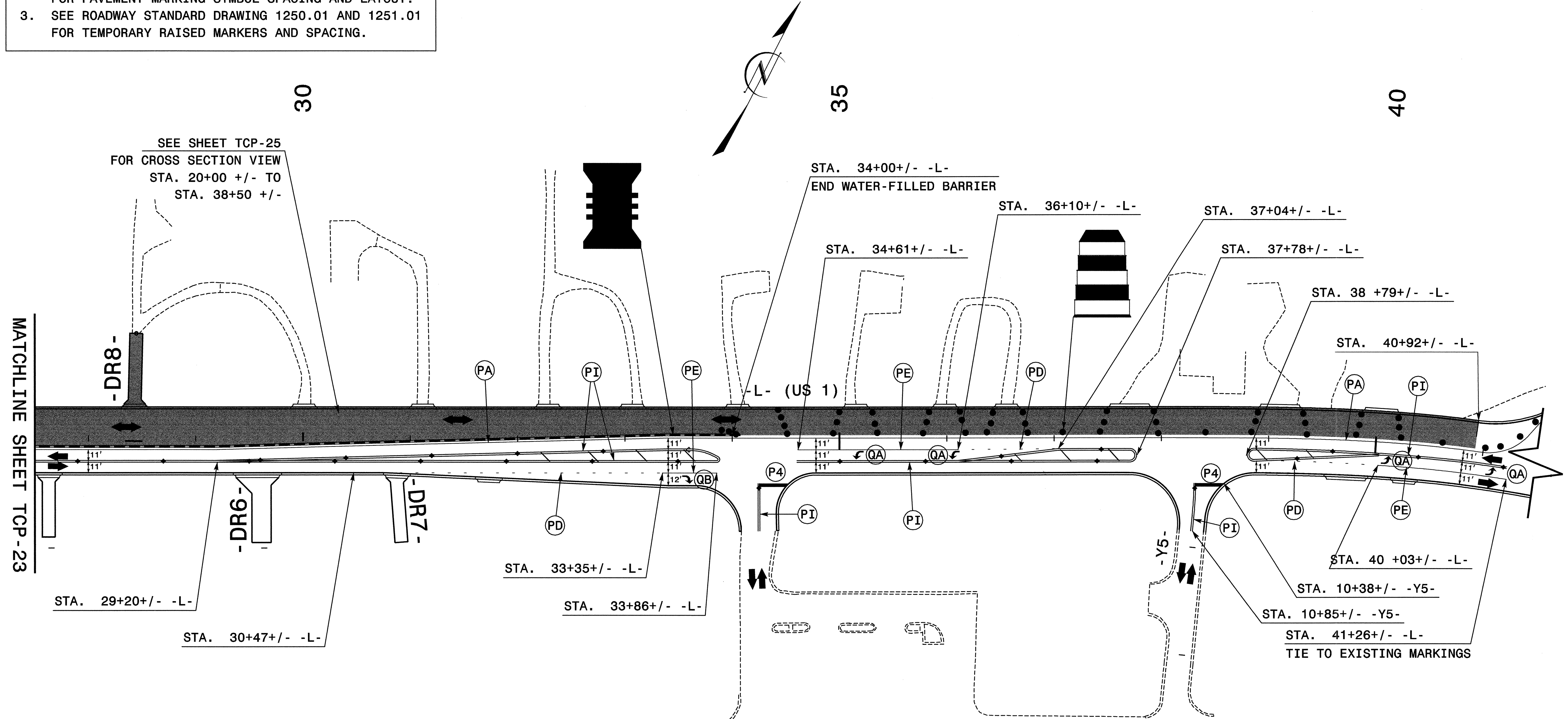
APPROVED: *[Signature]* DATE: 7/07

SEAL



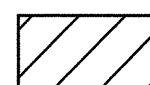

PHASE III		REVISIONS
SCALE: NONE	DATE: 7/07	
DWG. BY: TRS	DESIGN BY: TMA	
REVIEWED BY: TMA		

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



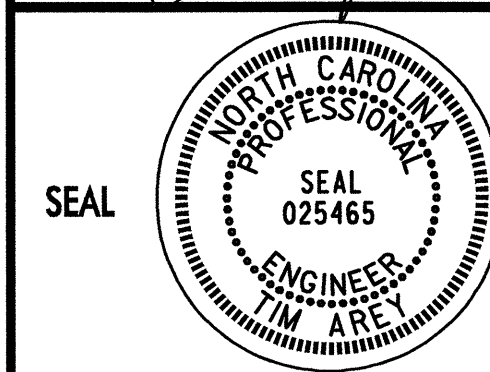
LEGEND

-  NEW CONSTRUCTION
-  TEMPORARY PAVEMENT
-  ONGOING CONSTRUCTION
-  WEDGING

PLAN PREPARED IN THE OFFICE OF:

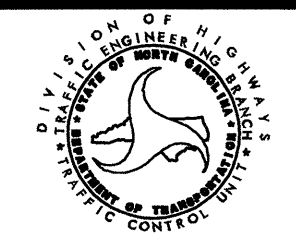
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

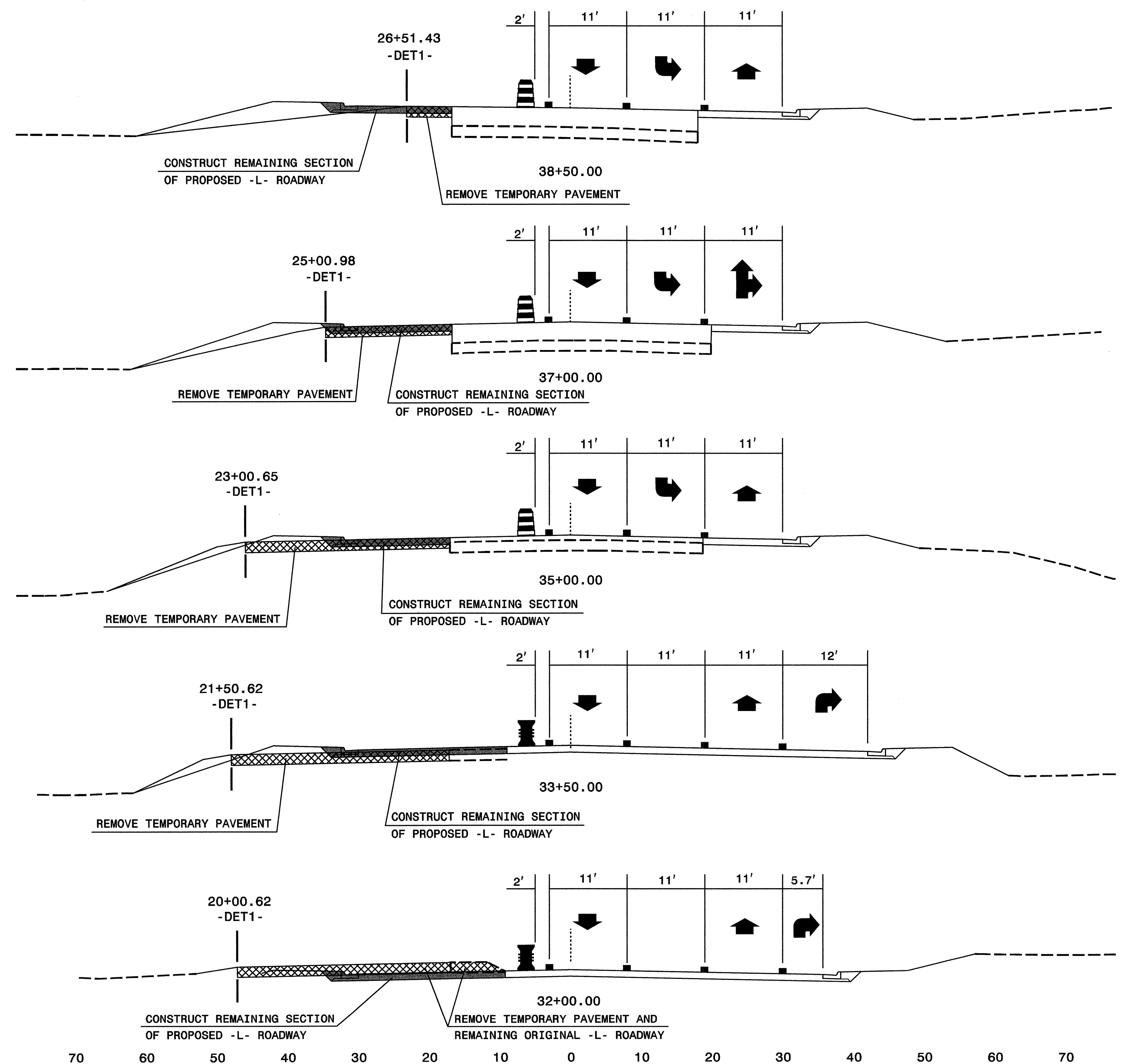
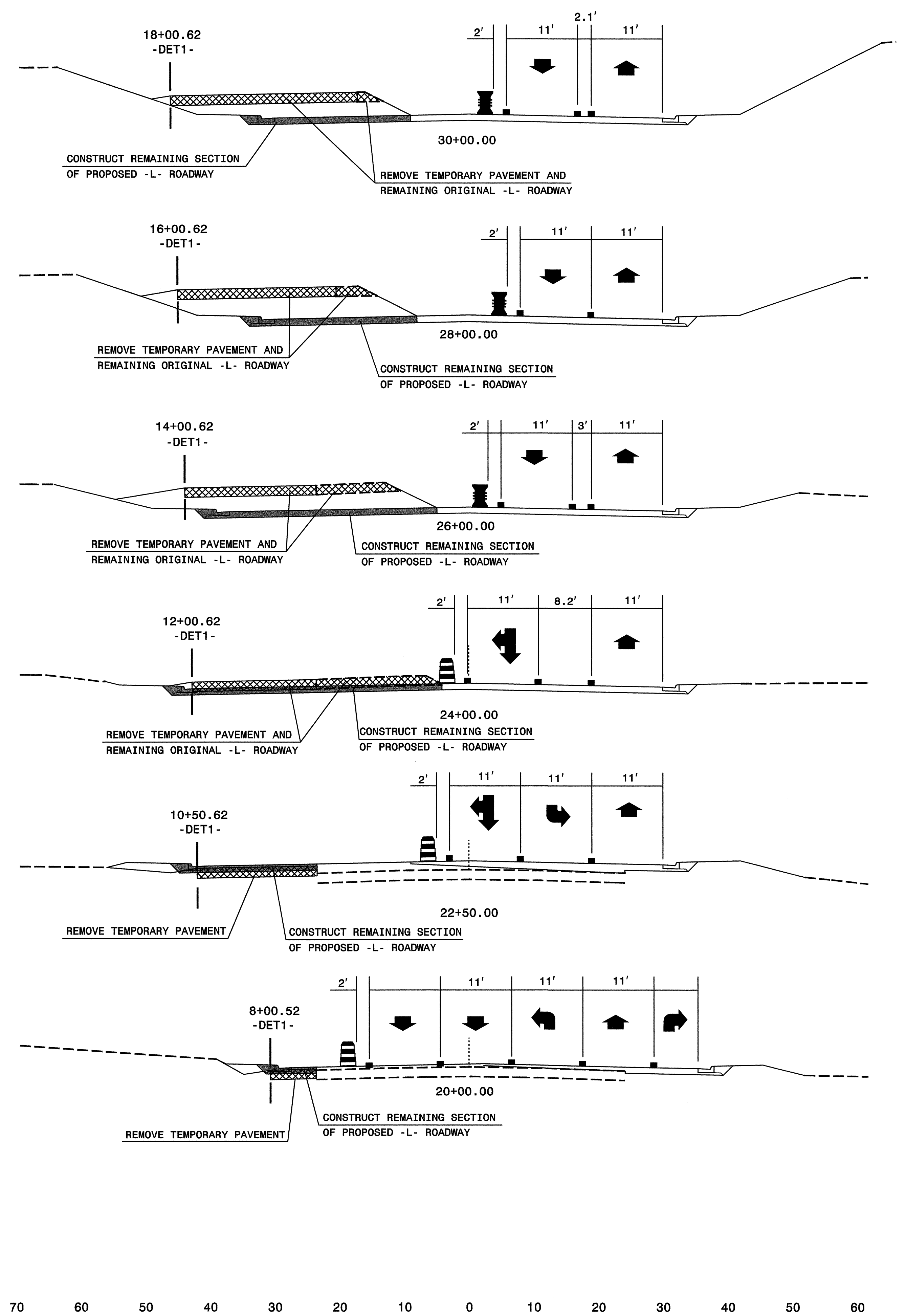


PHASE III

SCALE: NONE
 DATE: 7/07
 DWG. BY: TRS
 DESIGN BY: TMA
 REVIEWED BY: TMA



REVISIONS	



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 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 025465
 ENGINEER
 TIM AREY

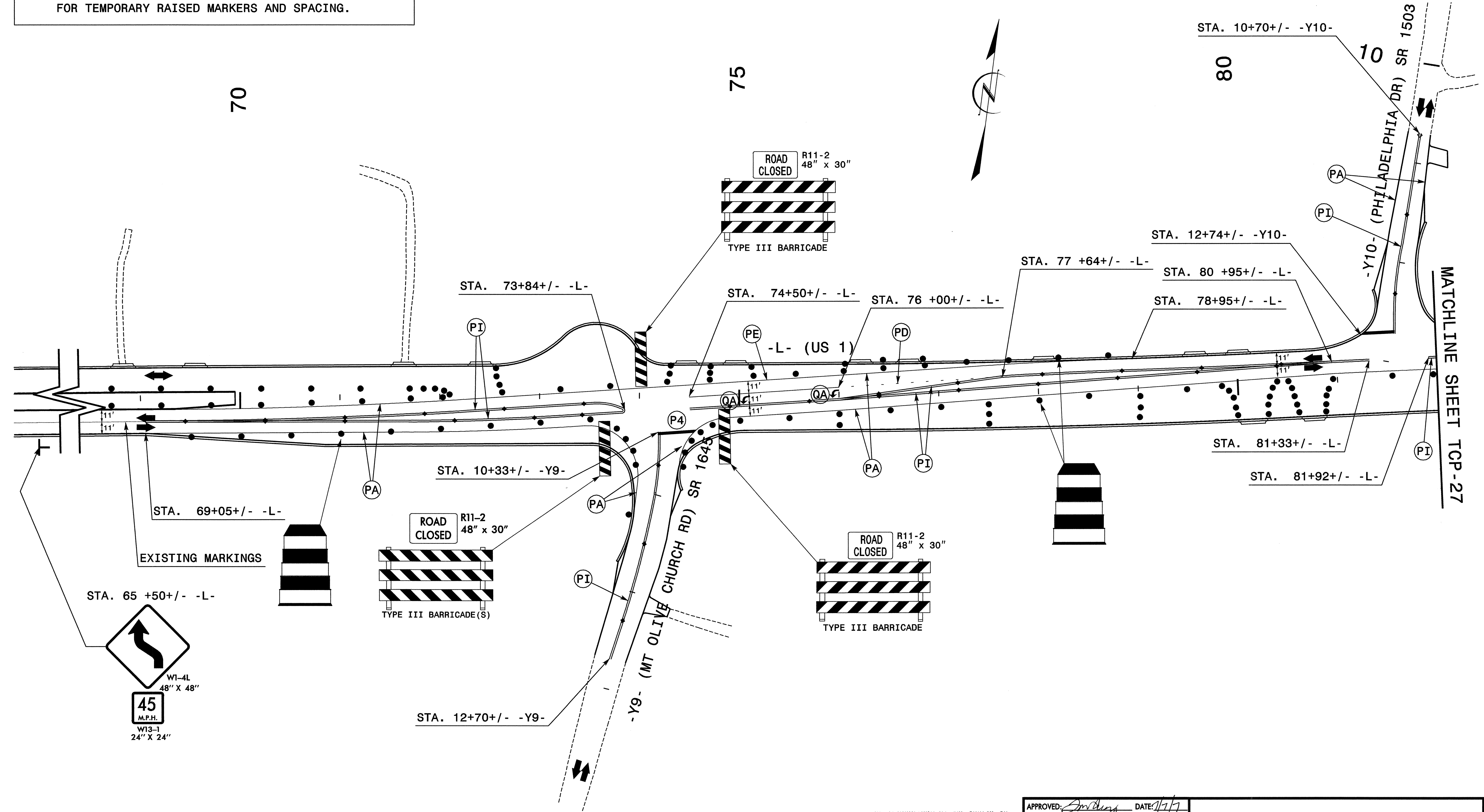
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REVISIONS										
DATE: 7/07										
DWG. BY: TRS										
DESIGN BY: TMA										
REVIEWED BY: TMA	CADD FILE									

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



PLAN PREPARED IN THE OFFICE OF:

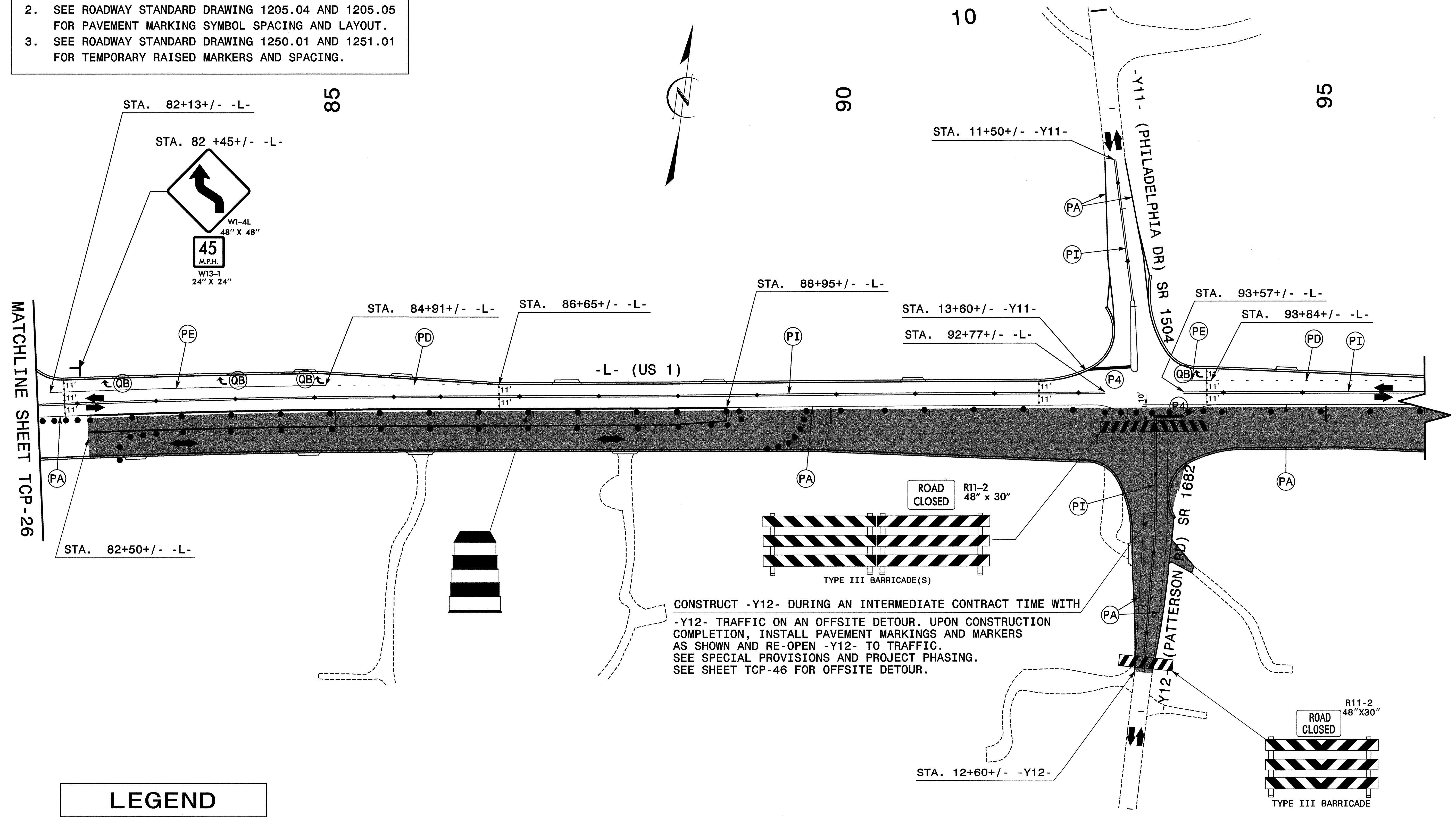
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

PHASE III	
SCALE: NONE	REVISIONS
DATE: 7/07	
DWG. BY: TRS	
DESIGN BY: TMA	
REVIEWED BY: TMA	

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

CONSTRUCT -Y12- DURING AN INTERMEDIATE CONTRACT TIME WITH -Y12- TRAFFIC ON AN OFFSITE DETOUR. UPON CONSTRUCTION COMPLETION, INSTALL PAVEMENT MARKINGS AND MARKERS AS SHOWN AND RE-OPEN -Y12- TO TRAFFIC. SEE SPECIAL PROVISIONS AND PROJECT PHASING. SEE SHEET TCP-46 FOR OFFSITE DETOUR.

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

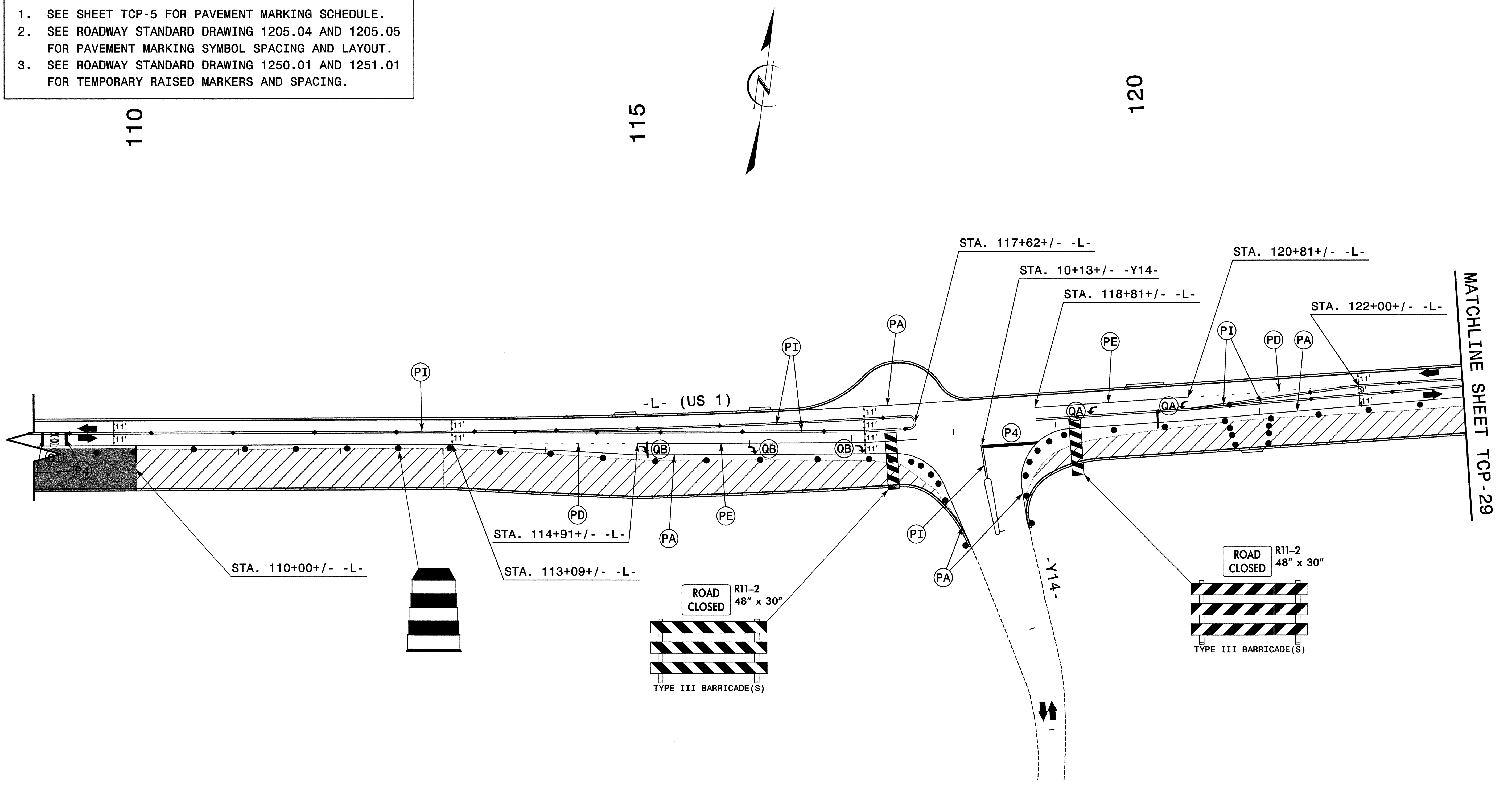
APPROVED: *Jan Burg* DATE: *7/07*

SEAL

PHASE III		
SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *Tim Arey* DATE: 7/7

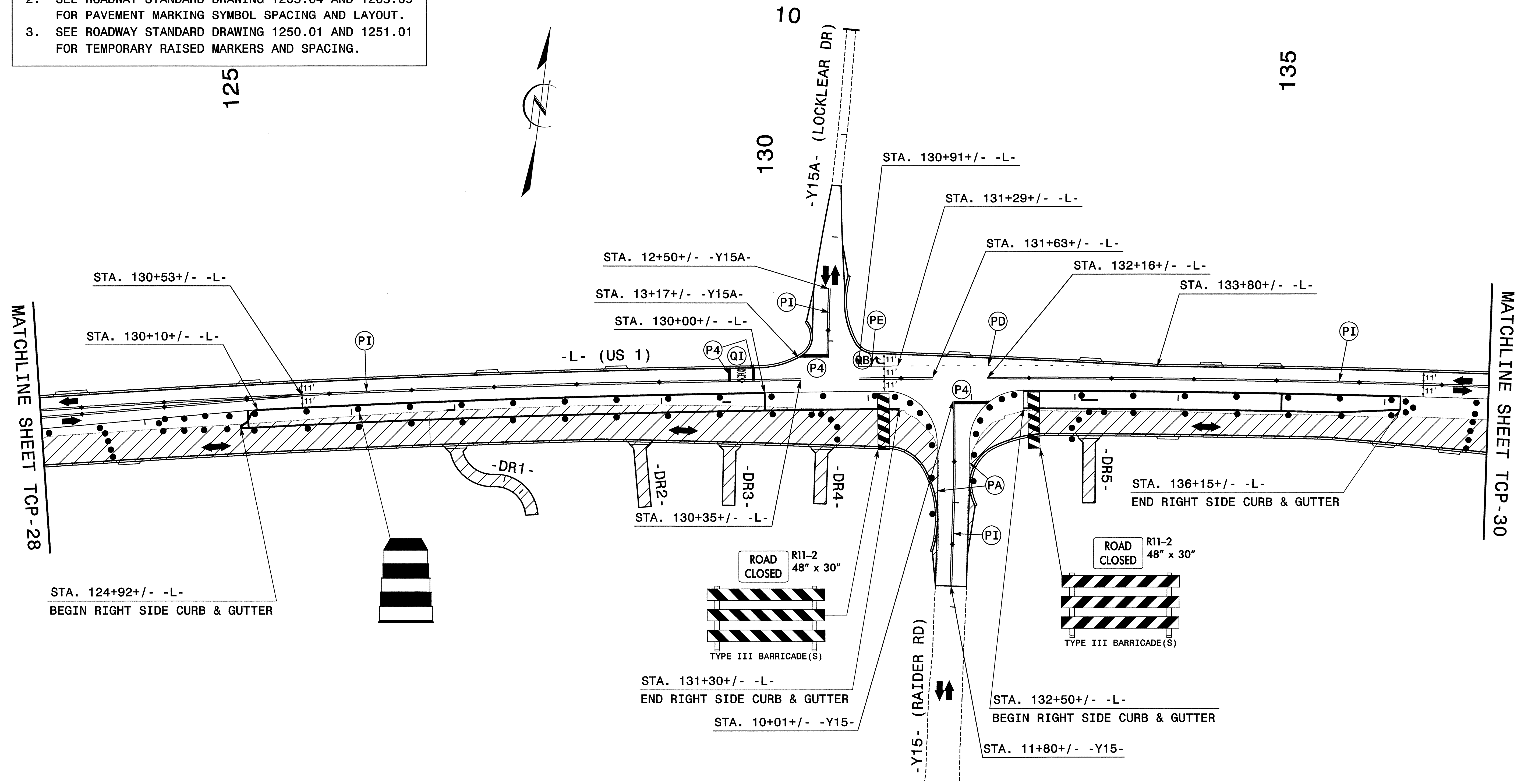
SEAL

PHASE III	
SCALE: NONE	REVISIONS
DATE: 7/07	
DWG. BY: TRS	
DESIGN BY: TMA	
REVIEWED BY: TMA	

MATCHLINE SHEET TCP-29

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
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 800 W. HILL STREET, SUITE 202
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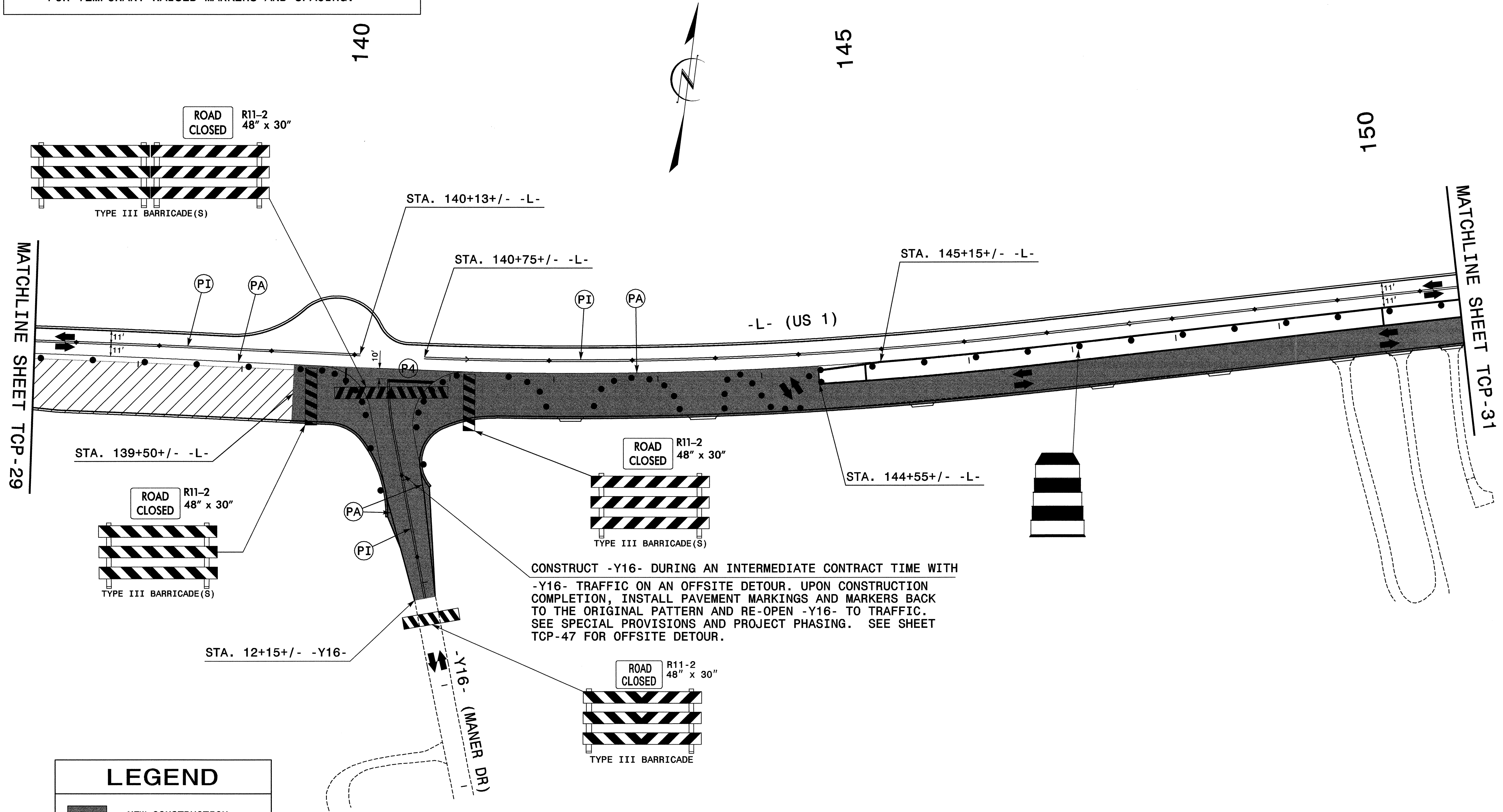
APPROVED: *[Signature]* DATE: 7/7/17

SEAL

PHASE III		REVISIONS
SCALE: NONE		
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

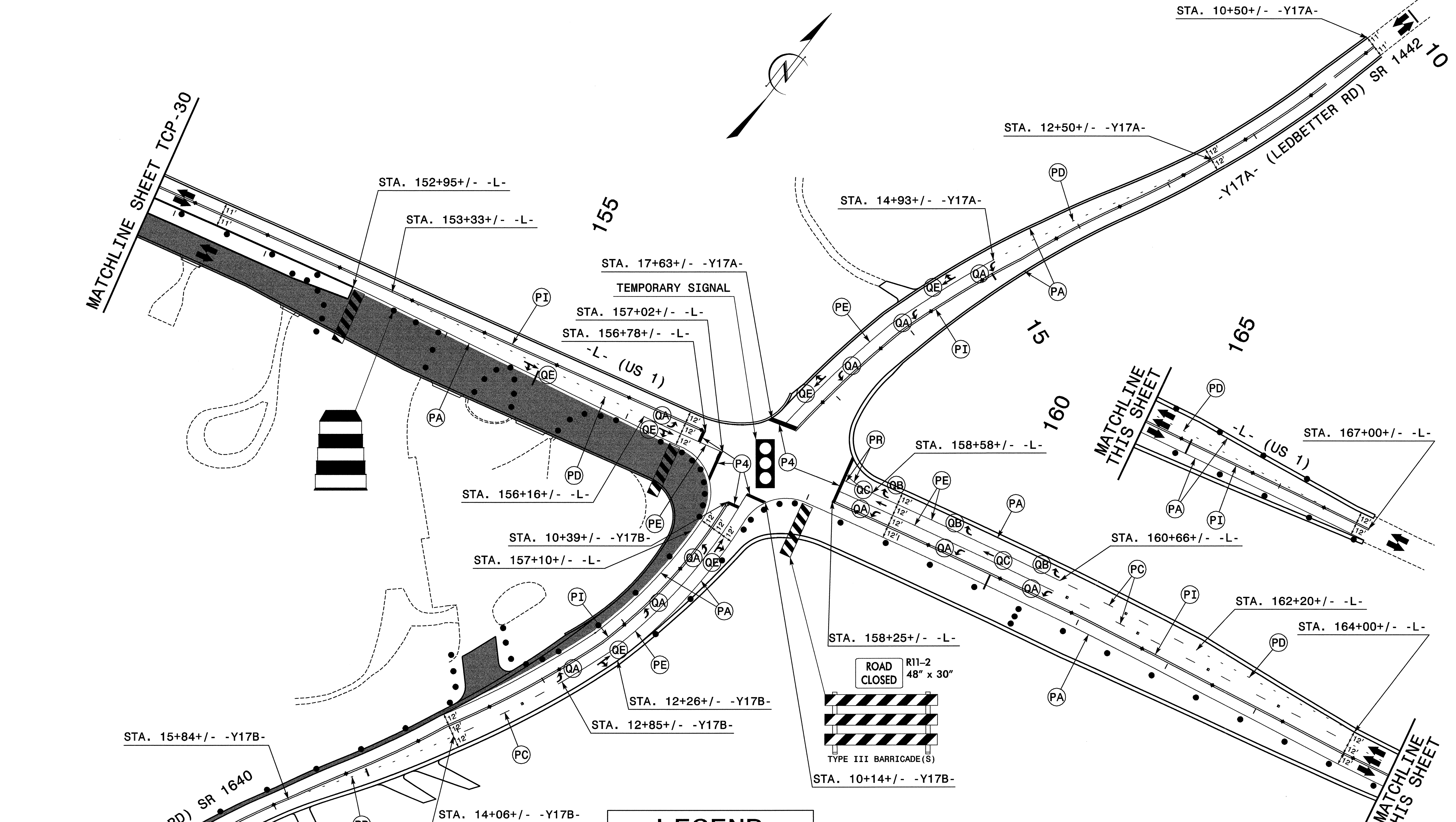
CONSTRUCT -Y16- DURING AN INTERMEDIATE CONTRACT TIME WITH -Y16- TRAFFIC ON AN OFFSITE DETOUR. UPON CONSTRUCTION COMPLETION, INSTALL PAVEMENT MARKINGS AND MARKERS BACK TO THE ORIGINAL PATTERN AND RE-OPEN -Y16- TO TRAFFIC. SEE SPECIAL PROVISIONS AND PROJECT PHASING. SEE SHEET TCP-47 FOR OFFSITE DETOUR.

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: *7/17*

PHASE III

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

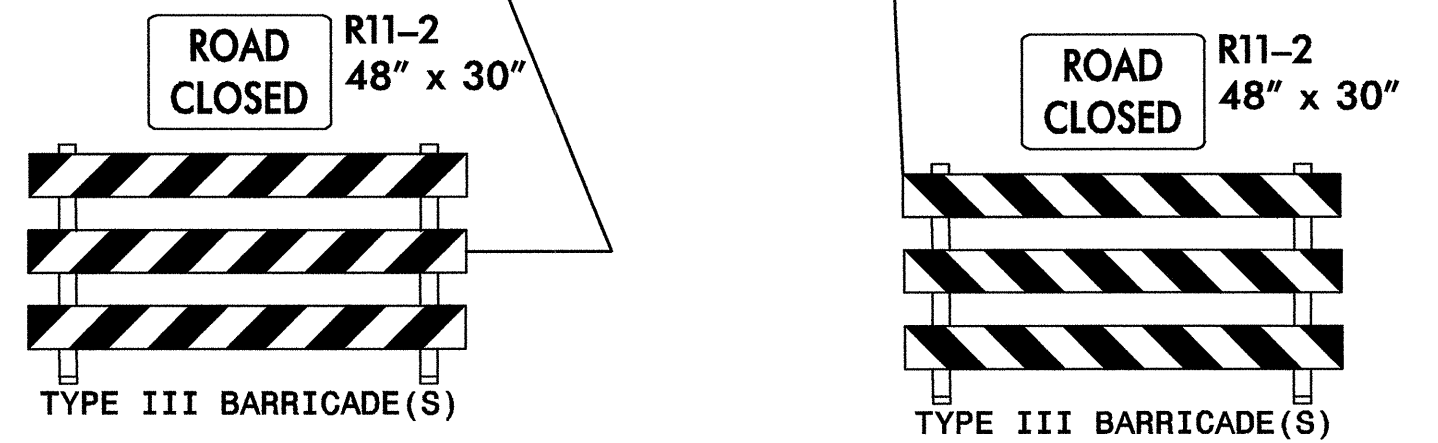
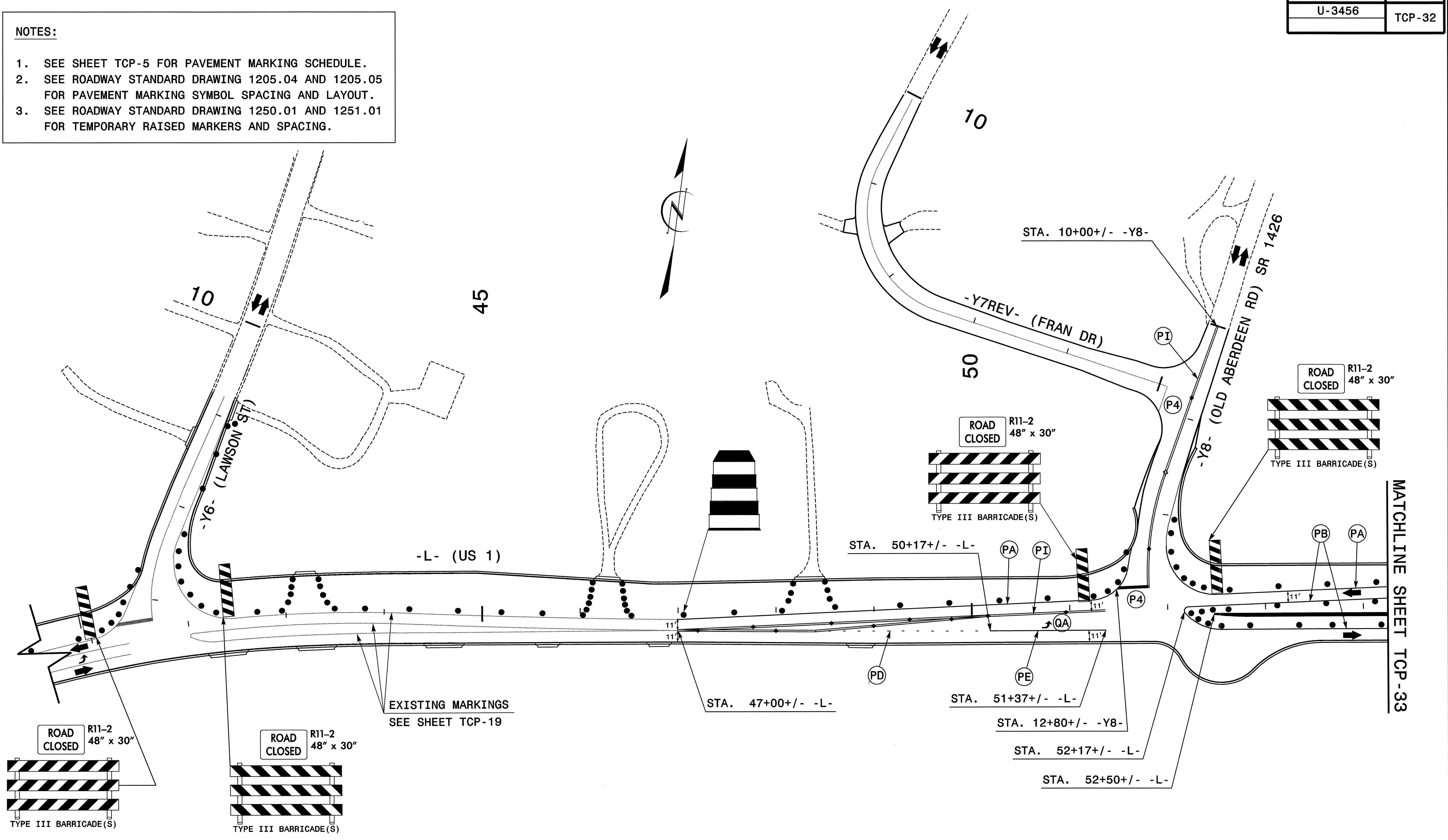
APPROVED: *[Signature]* DATE: 7/17

PHASE III

SCALE: NONE		REVISIONS
DATE: 7/07		
DESIGN BY: TRS		
REVIEWED BY: TMA		

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



EXISTING MARKINGS
SEE SHEET TCP-19

LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
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TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/7/07

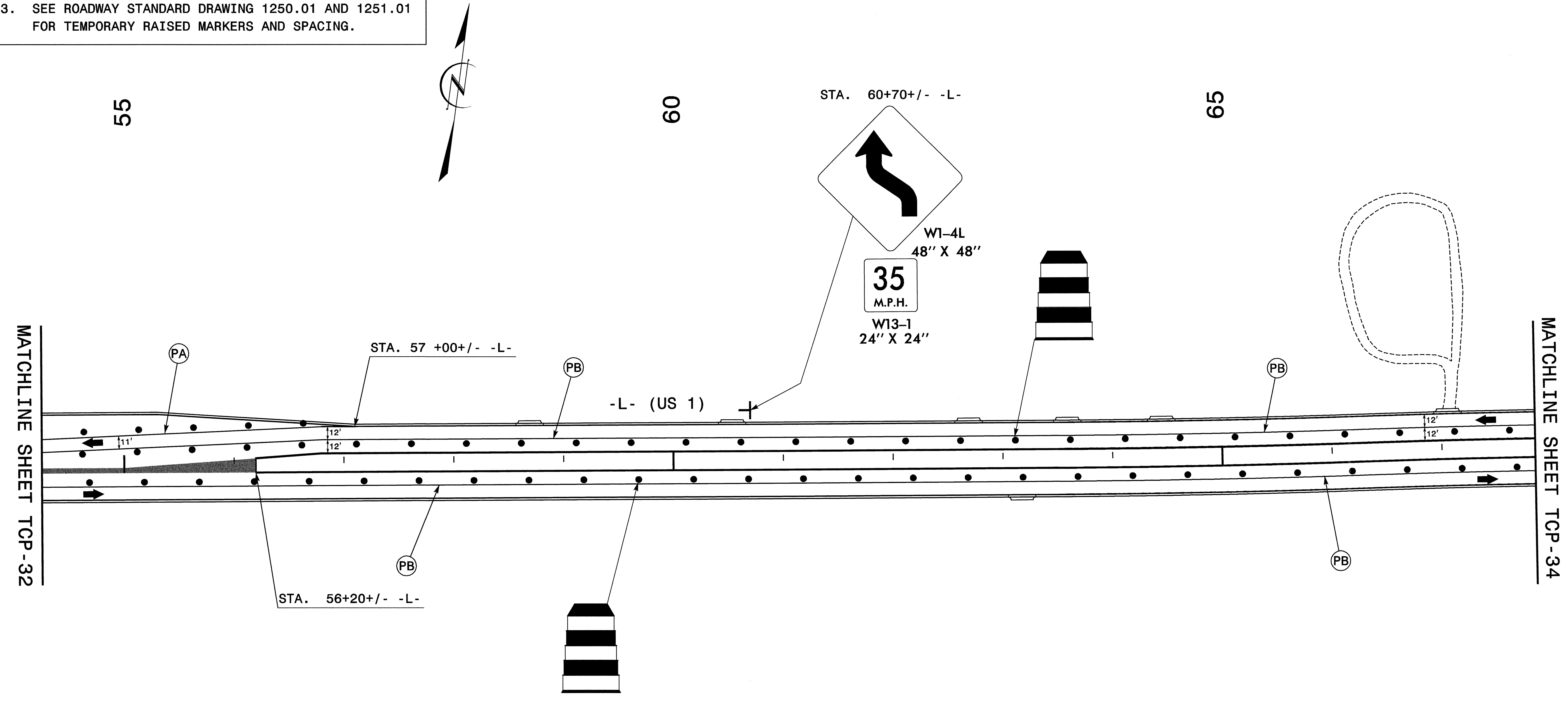
SEAL

PHASE IV

SCALE: NONE		<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </thead> </table>	REVISIONS		NO.	DESCRIPTION				
REVISIONS										
NO.			DESCRIPTION							
DATE: 7/07										
DWG. BY: TRS										
DESIGN BY: TMA										
REVIEWED BY: TMA	<table border="1"> <tr> <td>CADD FILE</td> </tr> </table>	CADD FILE								
CADD FILE										

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

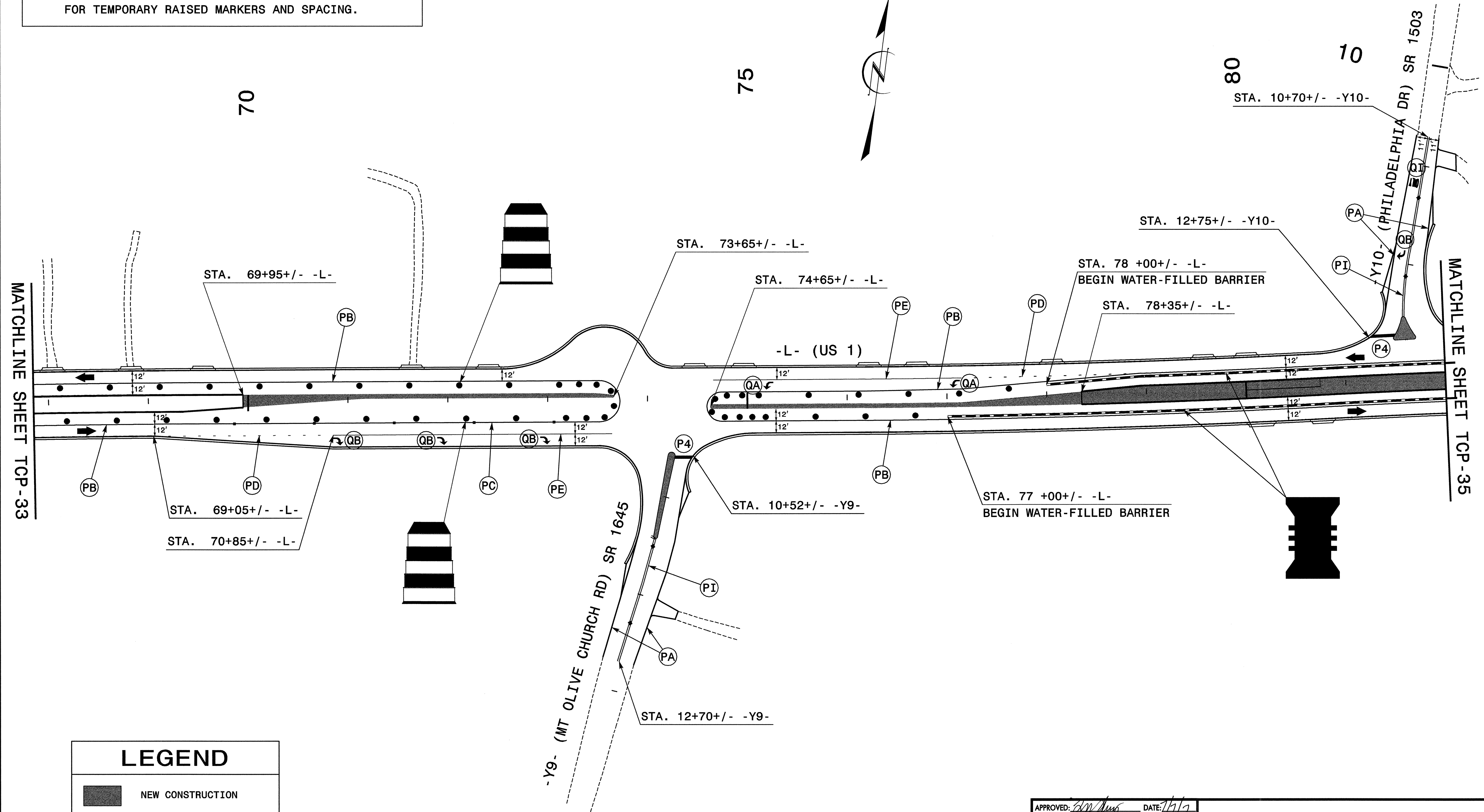
APPROVED: *[Signature]* DATE: *7/17*

SEAL

PHASE IV		REVISIONS
SCALE: NONE		
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:

 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

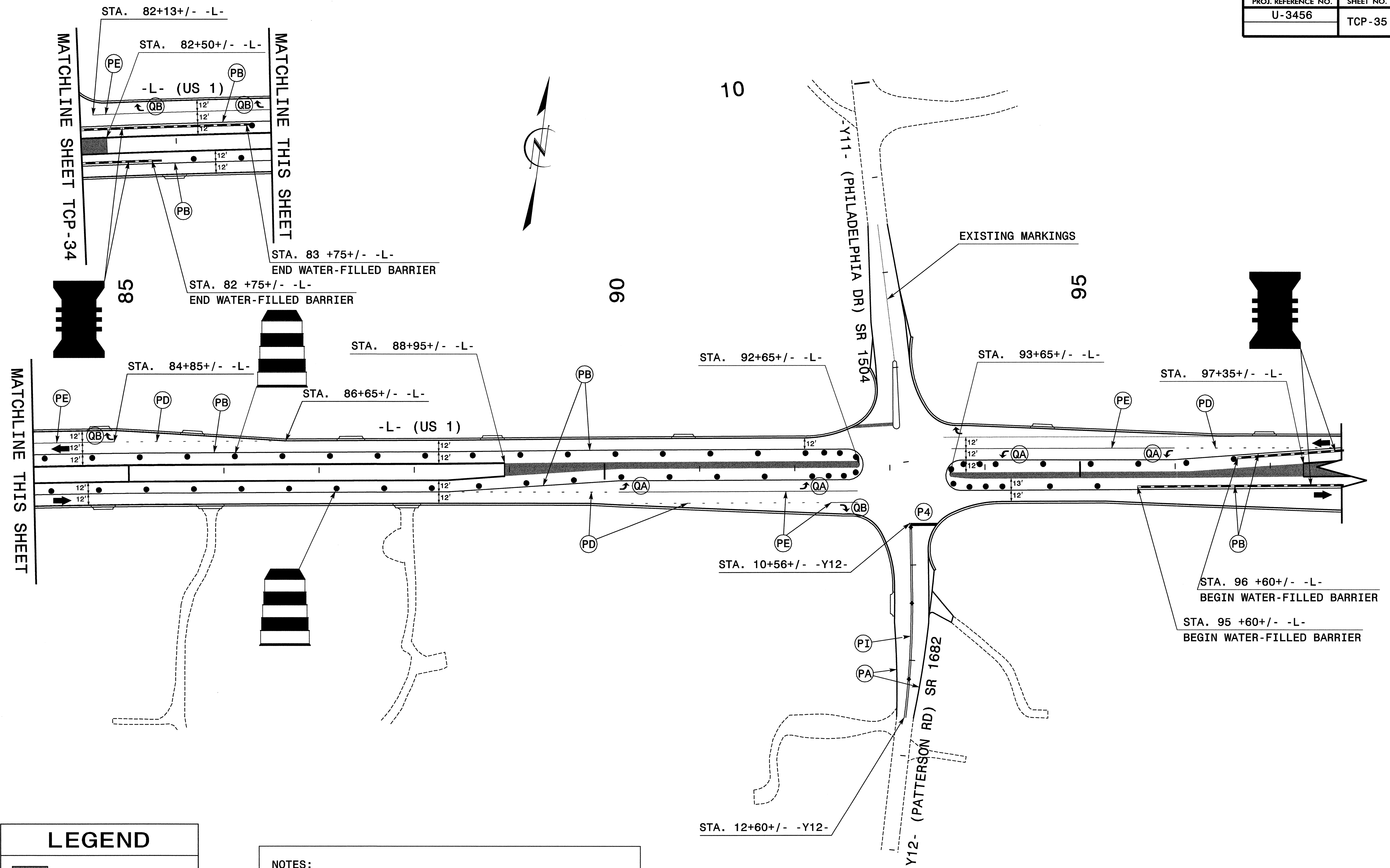
APPROVED: DATE: 7/17

 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 025465
 ENGINEER
 TIM ARE

PHASE IV

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: TRS		
DESIGN BY: TMA		
REVIEWED BY: TMA		

CADD FILE



LEGEND

	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

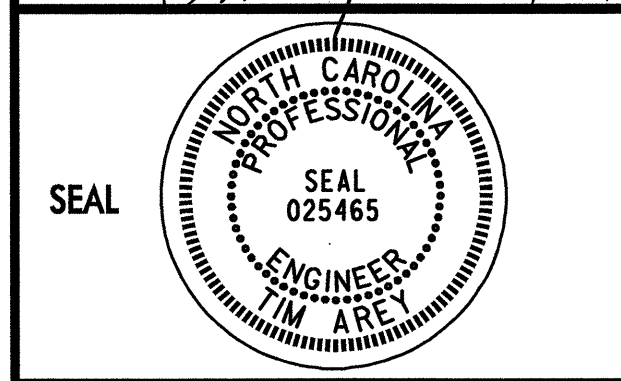
NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.

PLAN PREPARED IN THE OFFICE OF:

Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/07

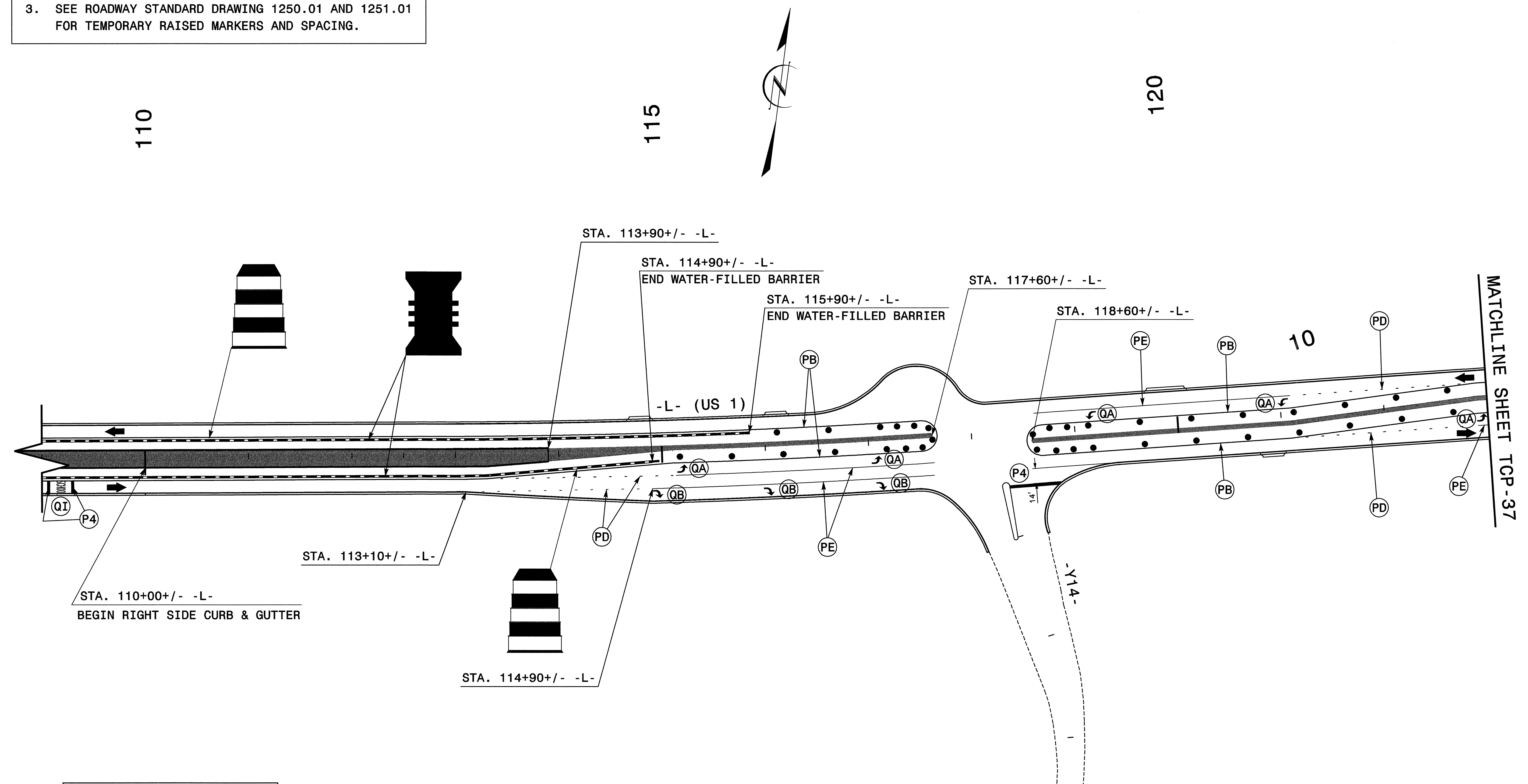


PHASE IV

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REVISIONS										
DATE: 7/07										
DESIGN BY: TRS										
REVIEWED BY: TMA										

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:

Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

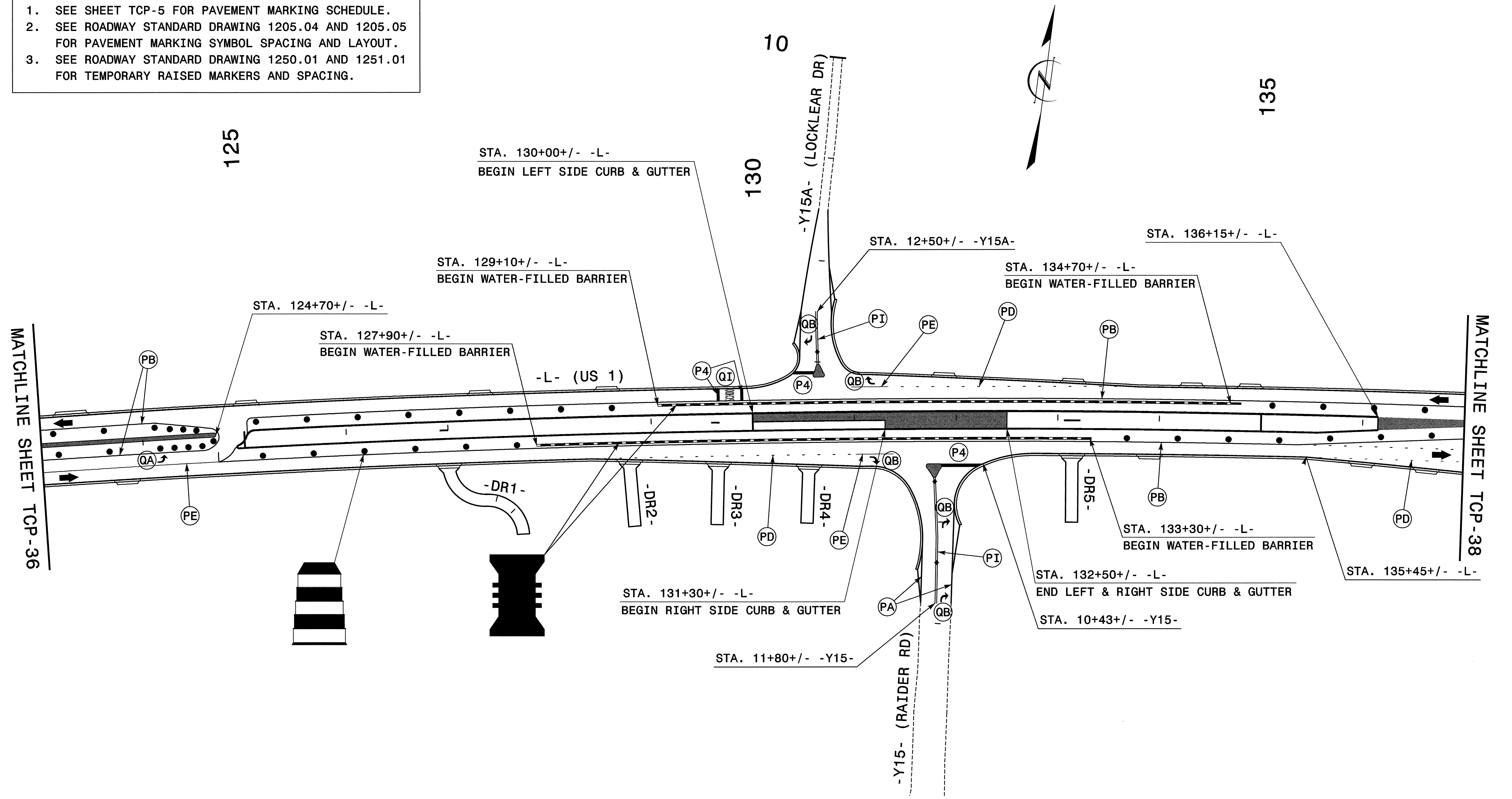
APPROVED: *[Signature]* DATE: *7/19*

SEAL

PHASE IV		REVISIONS	
SCALE: NONE			
DATE: 7/07			
DWG. BY: TRS			
DESIGN BY: TMA			
REVIEWED BY: TMA			

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
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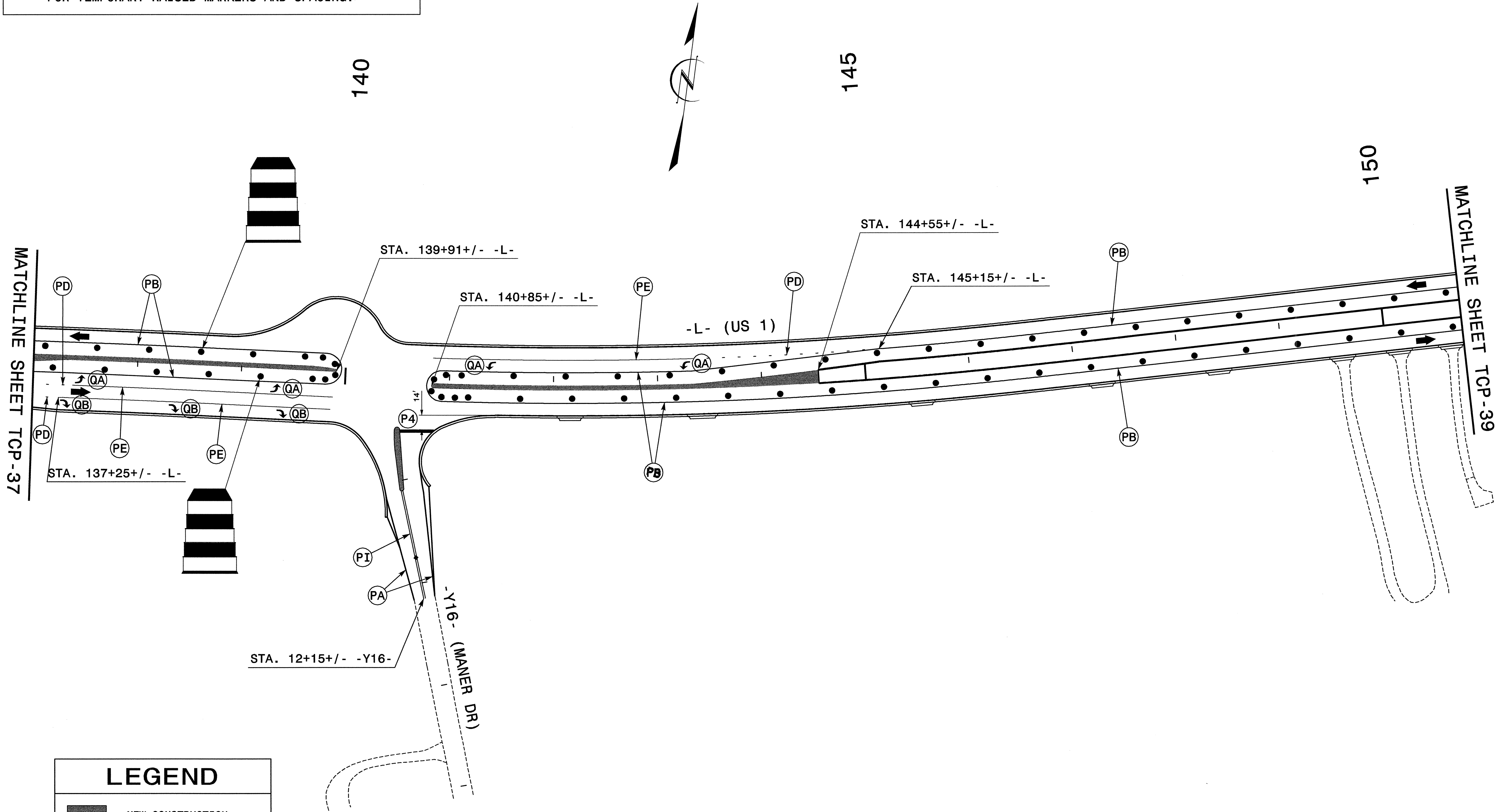
APPROVED: *[Signature]* DATE: 7/17

SEAL

PHASE IV	
SCALE: NONE	REVISIONS
DATE: 7/07	
DWG. BY: TRS	
DESIGN BY: TMA	
REVIEWED BY: TMA	
CADD FILE	

NOTES:

1. SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
2. SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
3. SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

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Kubilins
 TRANSPORTATION GROUP, INC.
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 PH: (980) 321-0202 FAX: (980) 321-0108

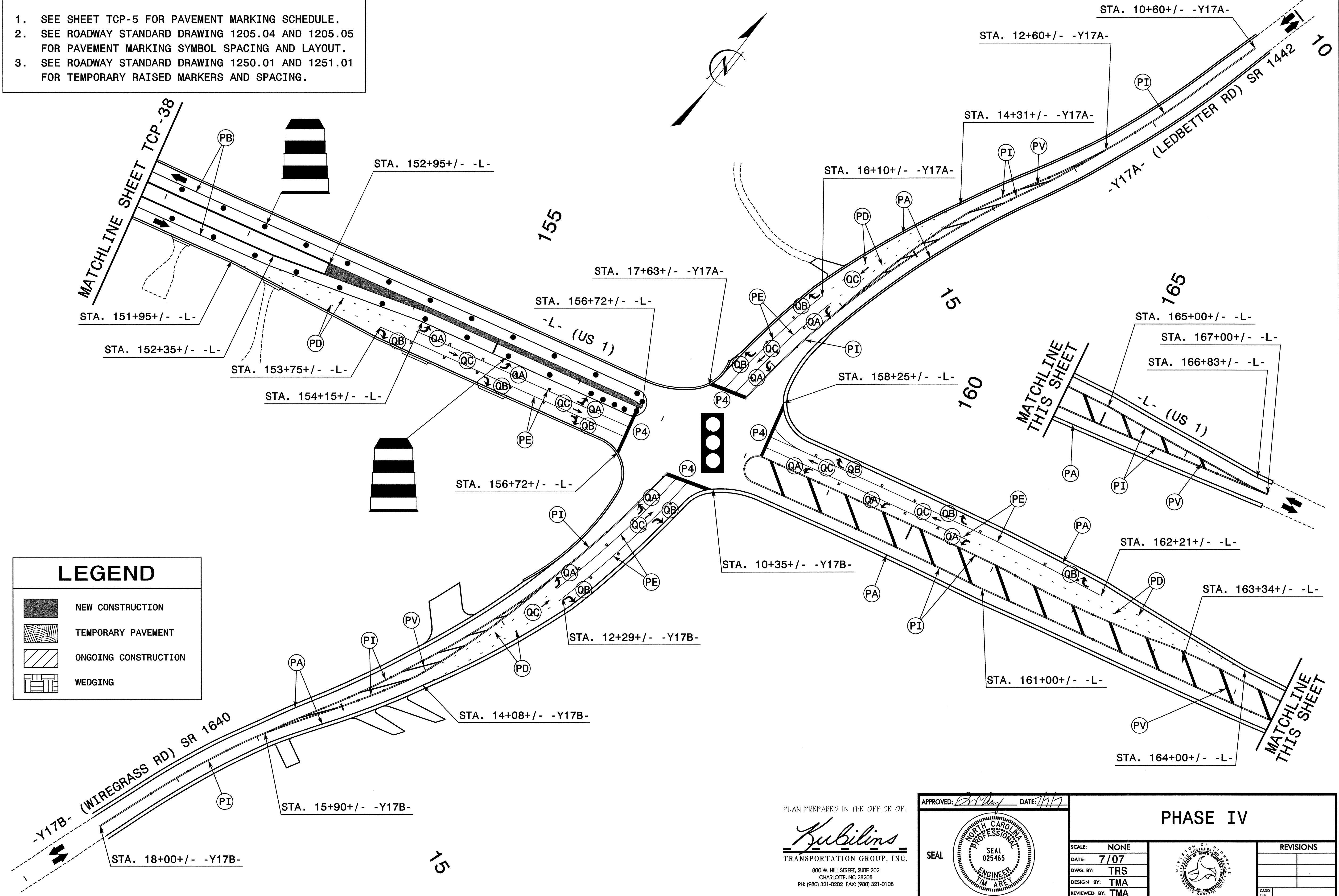
APPROVED: *[Signature]* DATE: 7/7

SEAL

PHASE IV		REVISIONS	
SCALE: NONE	DATE: 7/07		
DWG. BY: TRS	DESIGN BY: TMA		
REVIEWED BY: TMA			

NOTES:

- SEE SHEET TCP-5 FOR PAVEMENT MARKING SCHEDULE.
- SEE ROADWAY STANDARD DRAWING 1205.04 AND 1205.05 FOR PAVEMENT MARKING SYMBOL SPACING AND LAYOUT.
- SEE ROADWAY STANDARD DRAWING 1250.01 AND 1251.01 FOR TEMPORARY RAISED MARKERS AND SPACING.



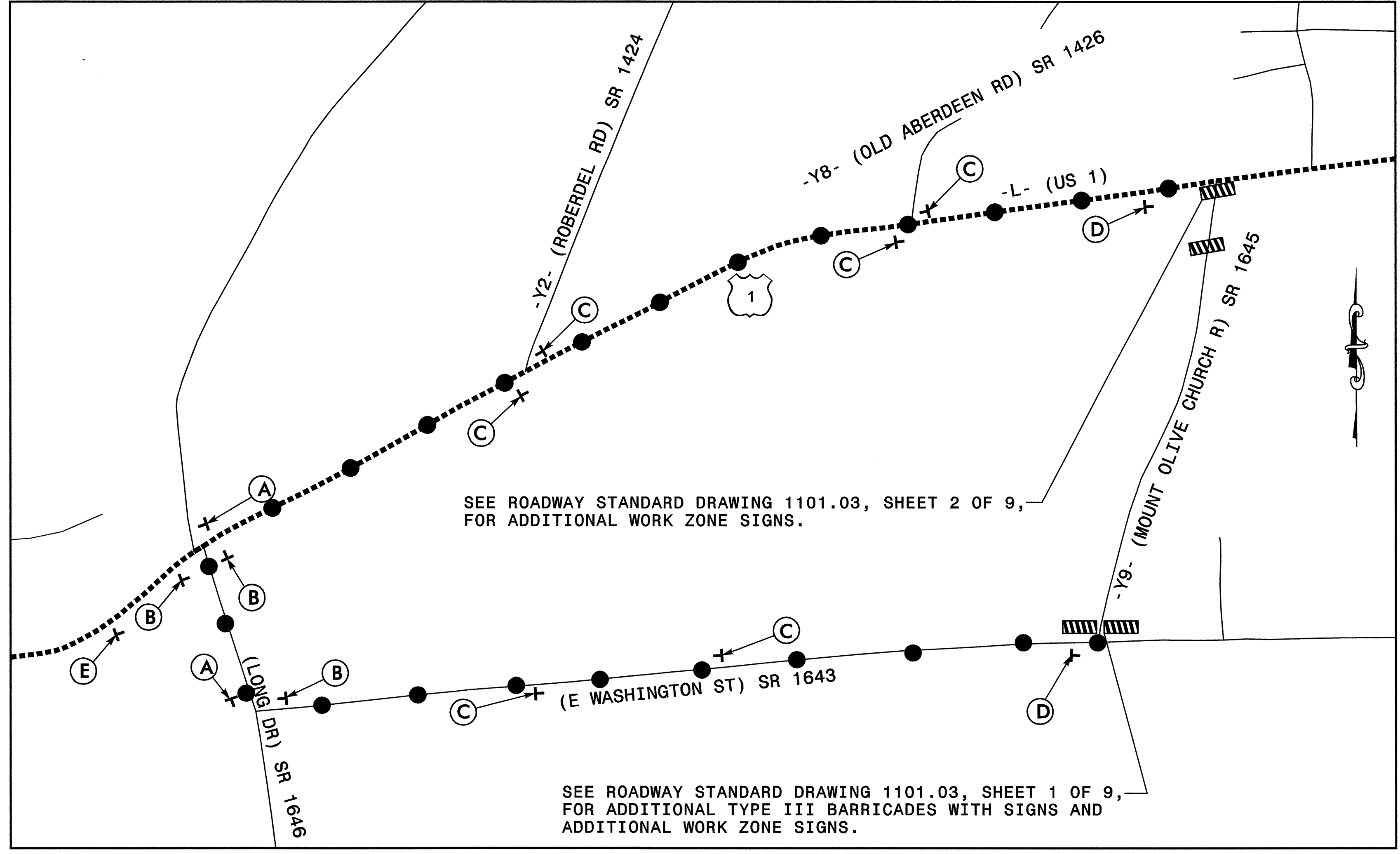
LEGEND	
	NEW CONSTRUCTION
	TEMPORARY PAVEMENT
	ONGOING CONSTRUCTION
	WEDGING

PLAN PREPARED IN THE OFFICE OF:
Kubilins
 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

SEAL

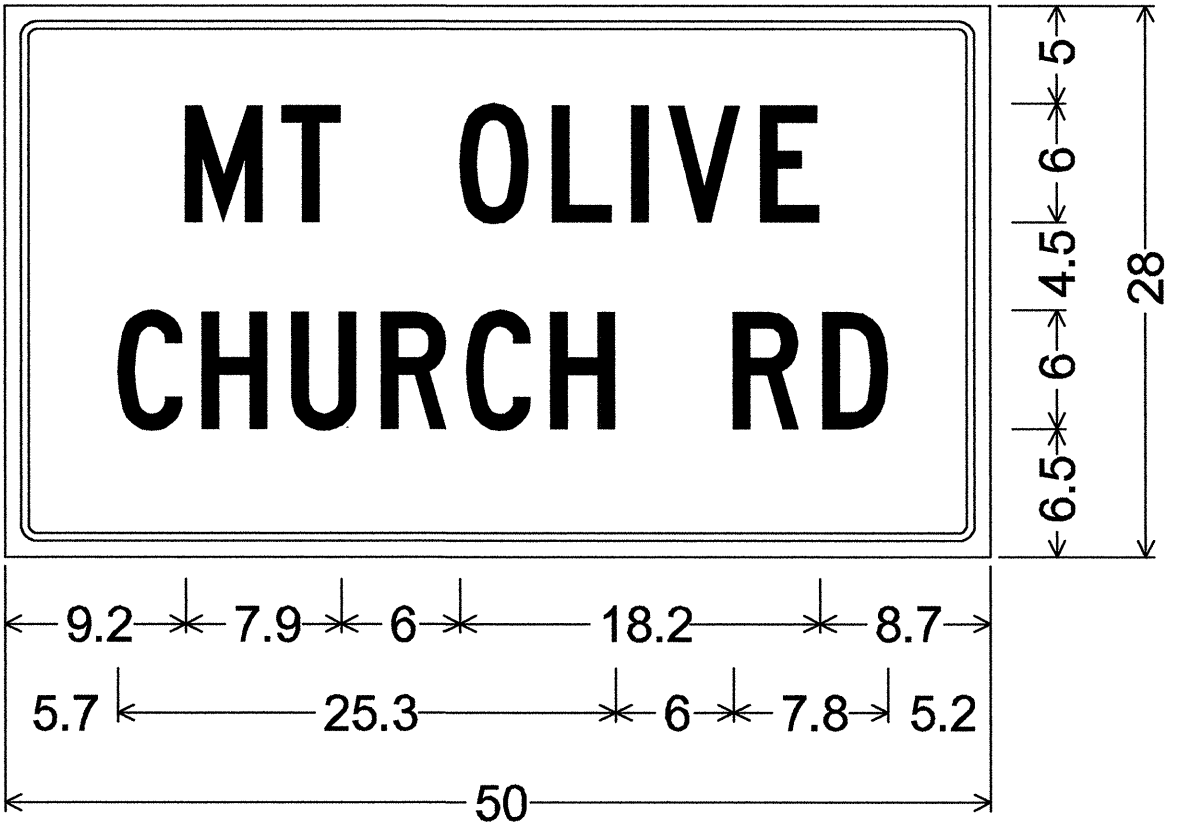
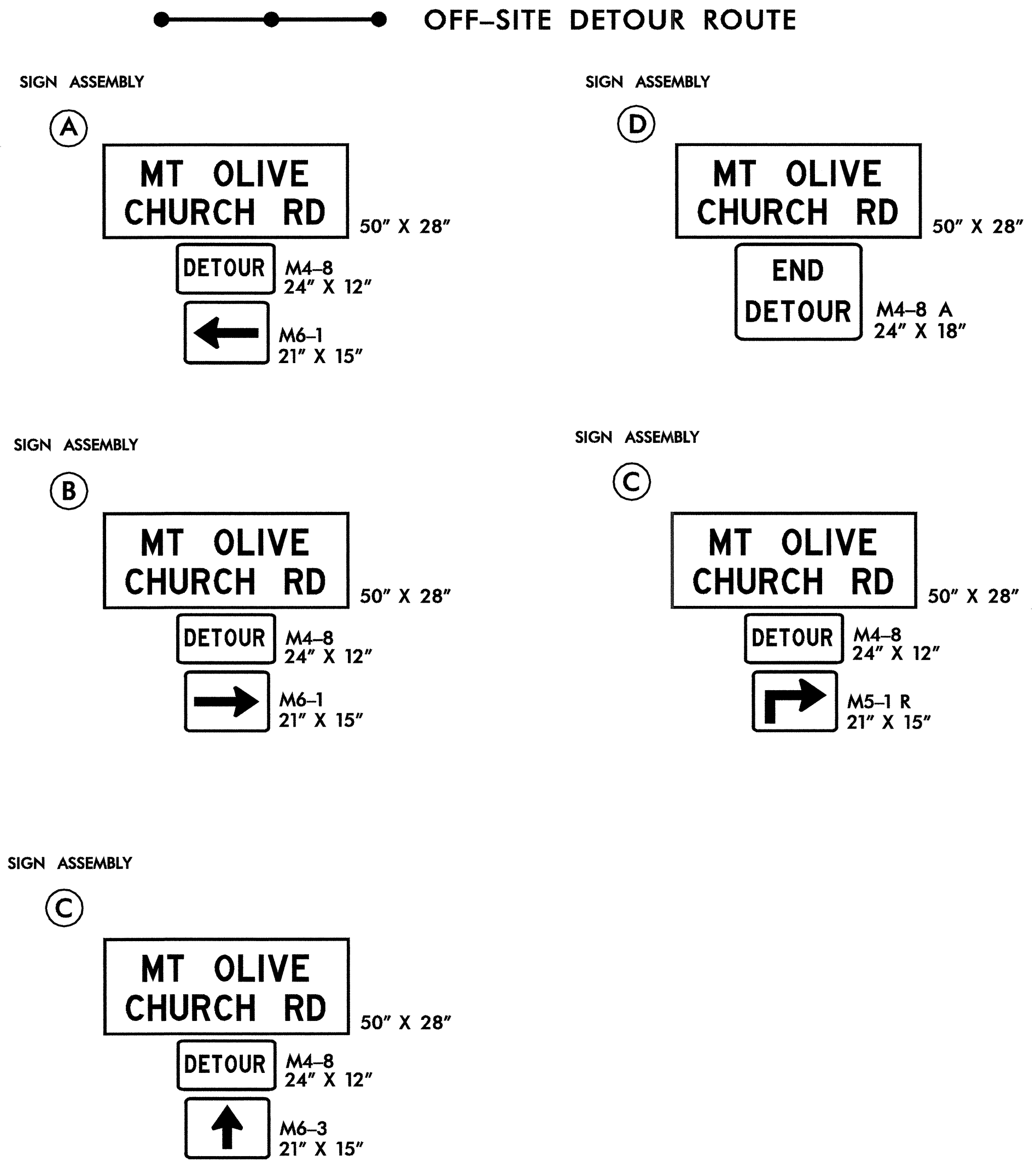
PHASE IV		REVISIONS	
SCALE: NONE			
DATE: 7/07			
DWG. BY: TRS			
DESIGN BY: TMA			
REVIEWED BY: TMA			



SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.

SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR ADDITIONAL TYPE III BARRICADES WITH SIGNS AND ADDITIONAL WORK ZONE SIGNS.

OFF-SITE DETOUR SIGNING



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;
 [MT OLIVE] C; [CHURCH RD] C;
 Table of widths and spaces.

M	T											
9.2	3.9	1.0	3.0									
	O	L	I	V	E							
	6.0	3.4	1.3	3.0	1.0	0.9	1.0	3.6	1.0	3.0	8.7	
	C	H	U	R	C	H						
	5.7	3.3	1.0	3.3	1.3	3.2	1.3	3.3	1.0	3.3	1.0	3.3
	R	D										
	6.0	3.3	1.2	3.3	5.2							

NOTE:

1. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE. FINAL PLACEMENT AS DIRECTED BY ENGINEER.
2. DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.

PLAN PREPARED IN THE OFFICE OF:

 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: DATE: 7/7

SEAL

-Y9- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

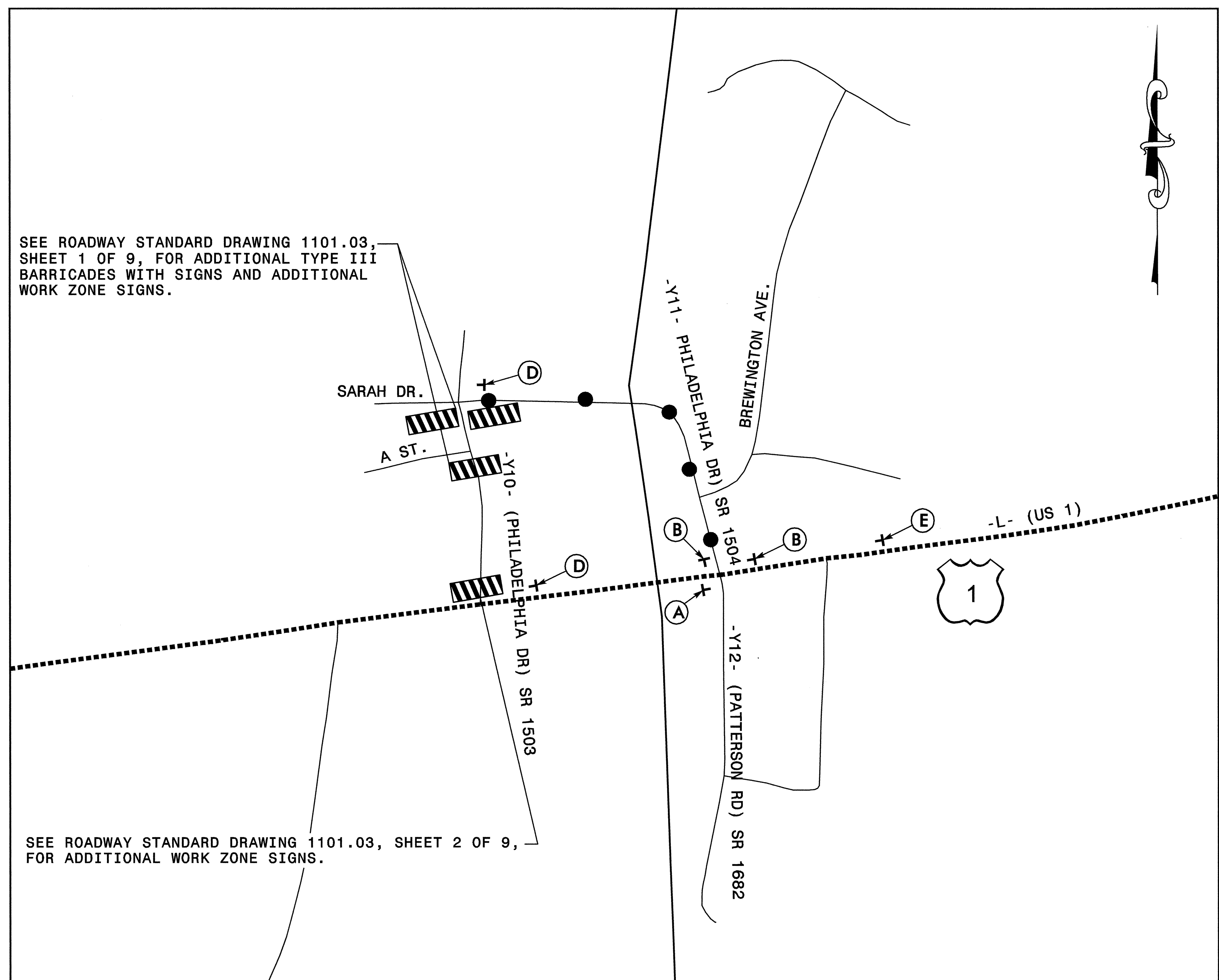
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DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

OFF-SITE DETOUR SIGNING

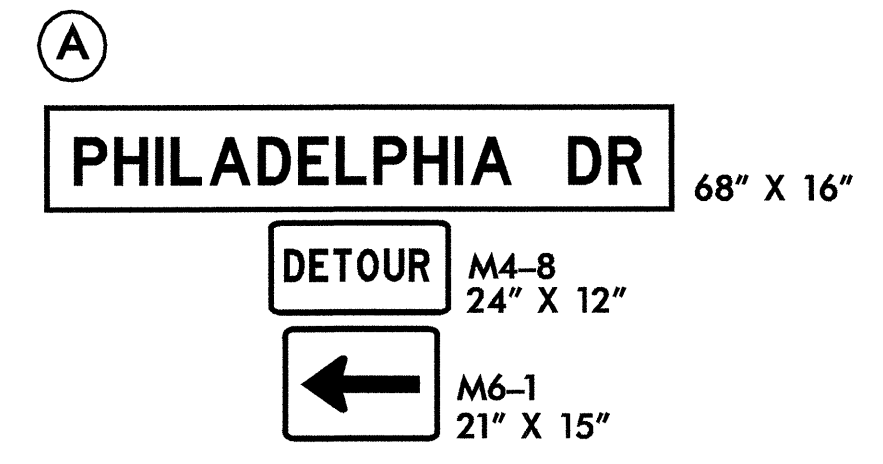
—●—●—●— OFF-SITE DETOUR ROUTE

SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR ADDITIONAL TYPE III BARRICADES WITH SIGNS AND ADDITIONAL WORK ZONE SIGNS.

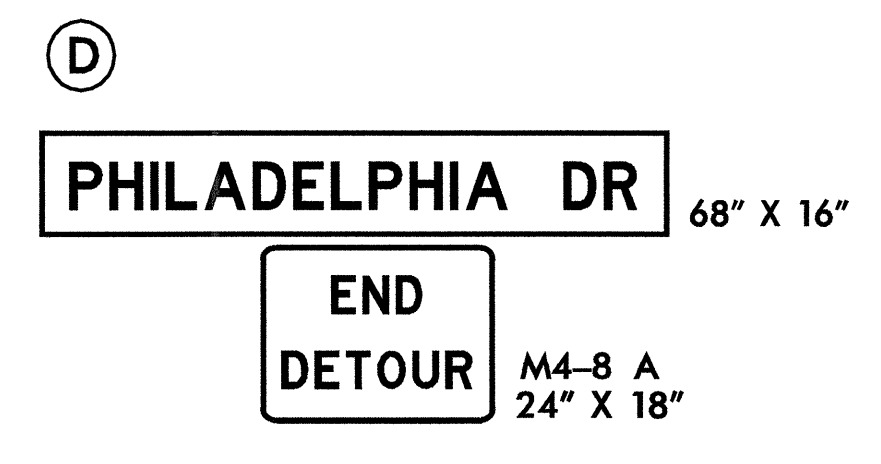
SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.



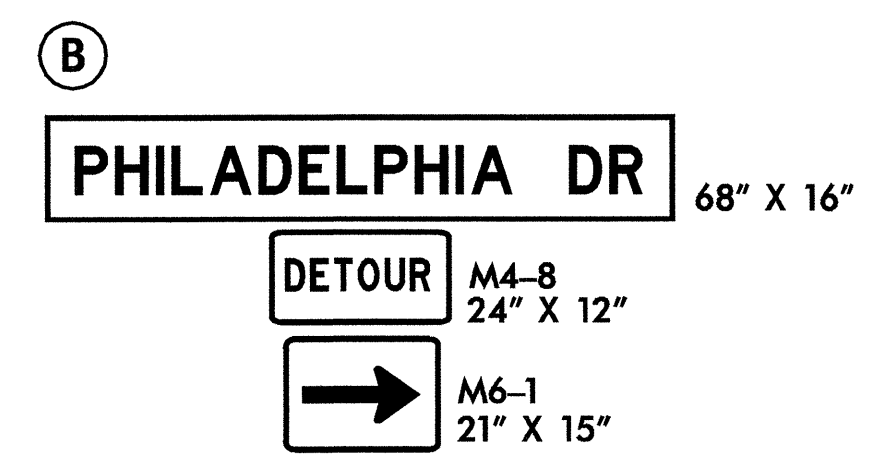
SIGN ASSEMBLY



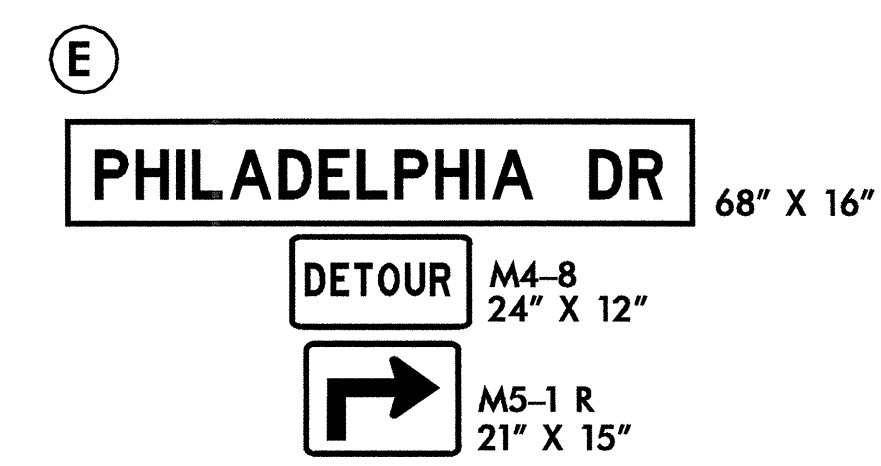
SIGN ASSEMBLY



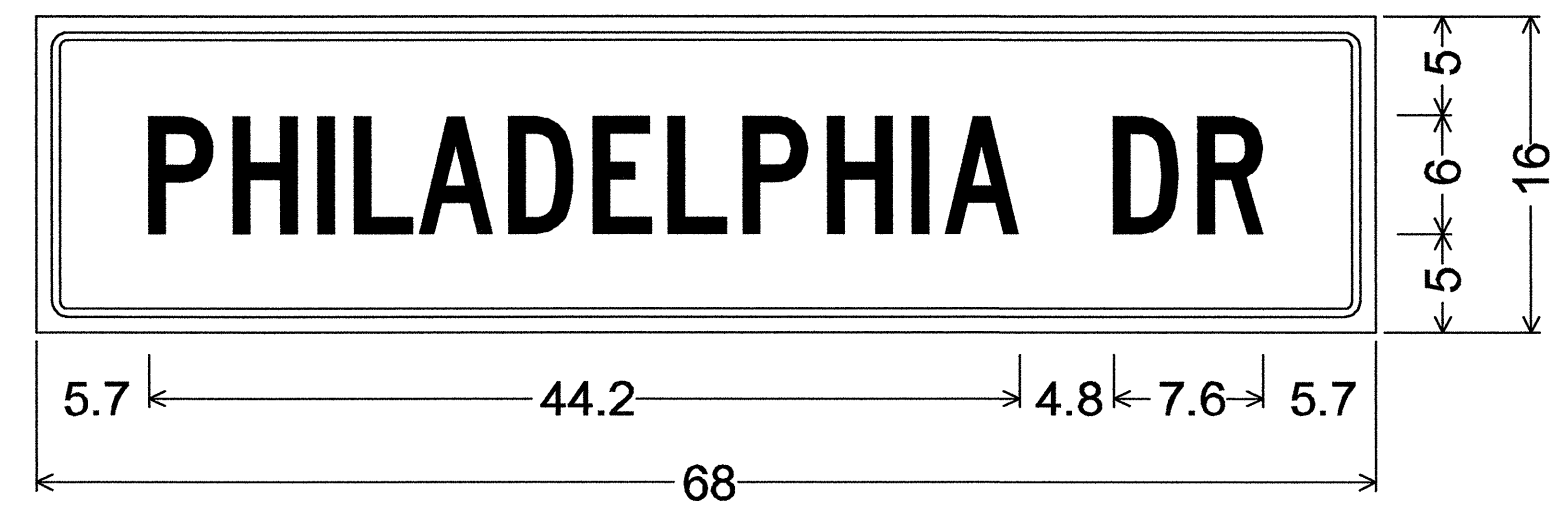
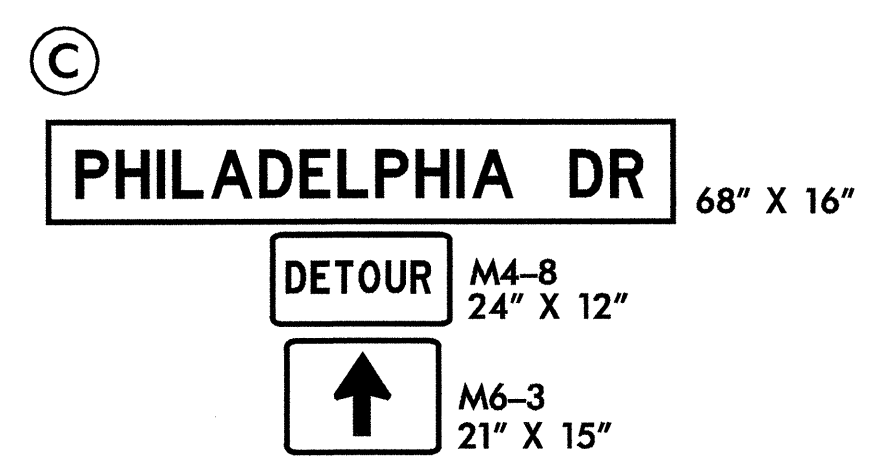
SIGN ASSEMBLY



SIGN ASSEMBLY



SIGN ASSEMBLY



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;
 [PHILADELPHIA DR] C 80% spacing;
 Table of widths and spaces.

5.7	P	3.3	1.0	H	3.3	1.0	I	1.0	L	3.0	0.2	A	3.8	0.8	D	3.3	1.0	E	3.0	0.8	L	3.0	0.8	P	3.3	1.0	H	3.3	1.0	I	0.8	0.8	A	3.8
				D	3.3	1.0	R	3.3	5.7																									

NOTE:

1. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE. FINAL PLACEMENT AS DIRECTED BY ENGINEER.
2. DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.

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 CHARLOTTE, NC 28208
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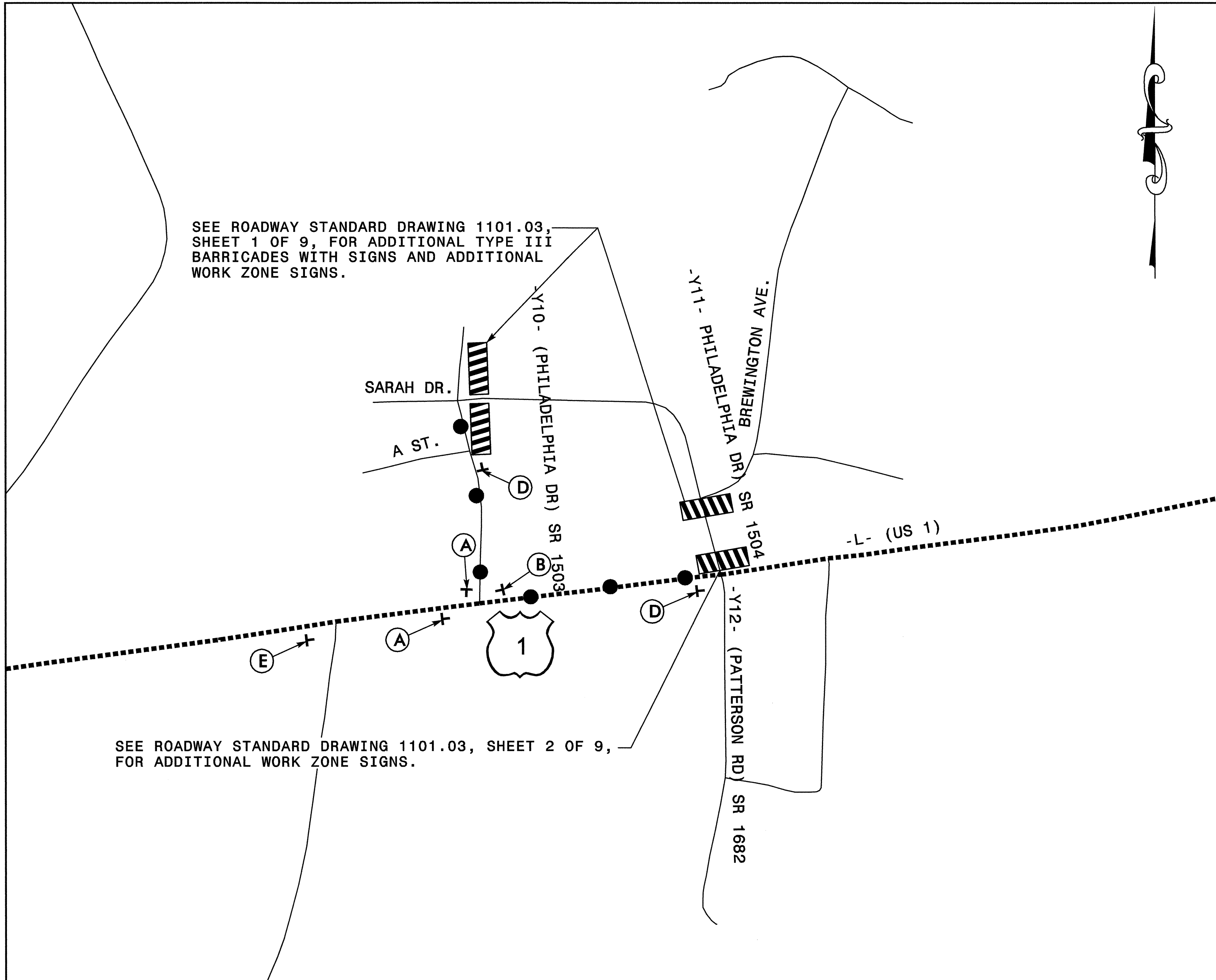
APPROVED: *[Signature]* DATE: 7/17

-Y10- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

OFF-SITE DETOUR SIGNING

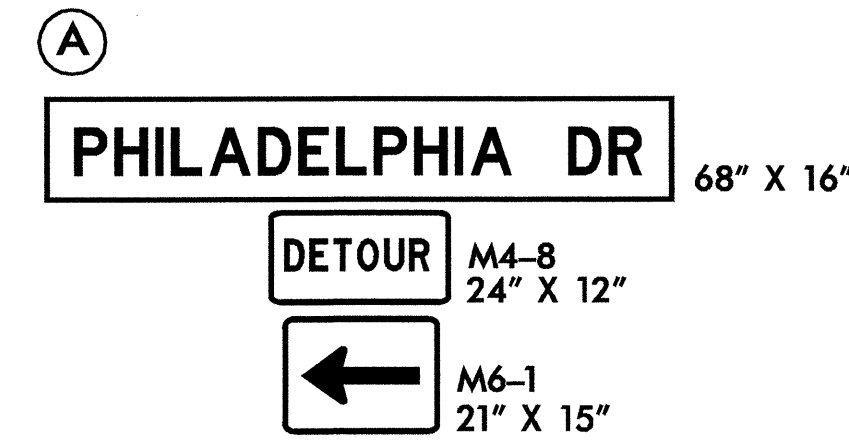
—●—●—●— OFF-SITE DETOUR ROUTE



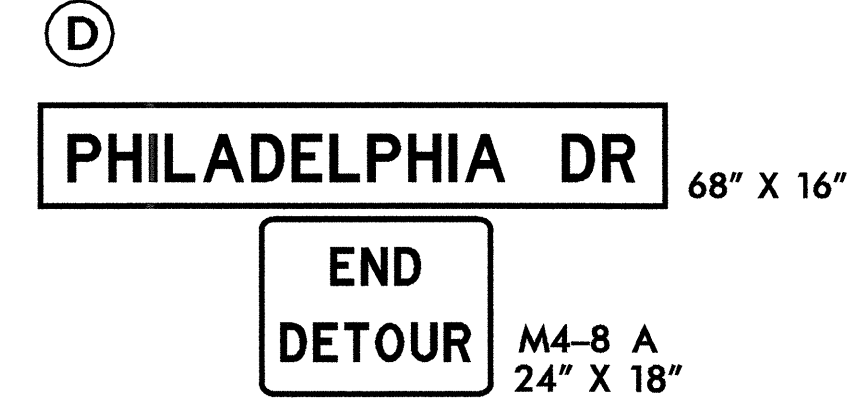
SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR ADDITIONAL TYPE III BARRICADES WITH SIGNS AND ADDITIONAL WORK ZONE SIGNS.

SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.

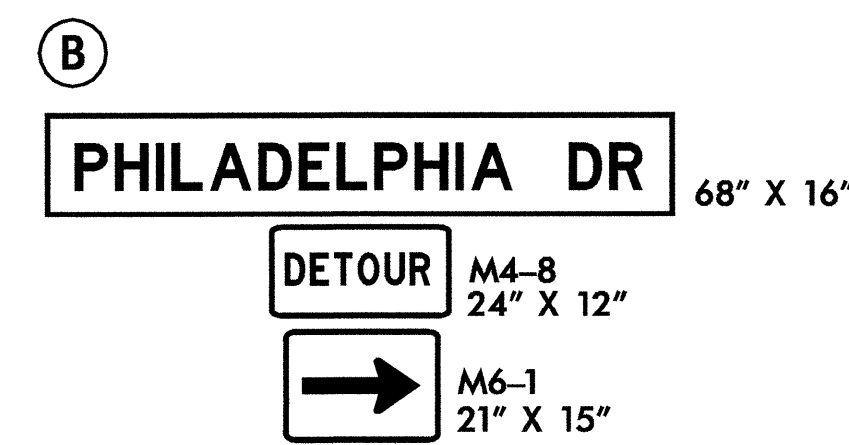
SIGN ASSEMBLY



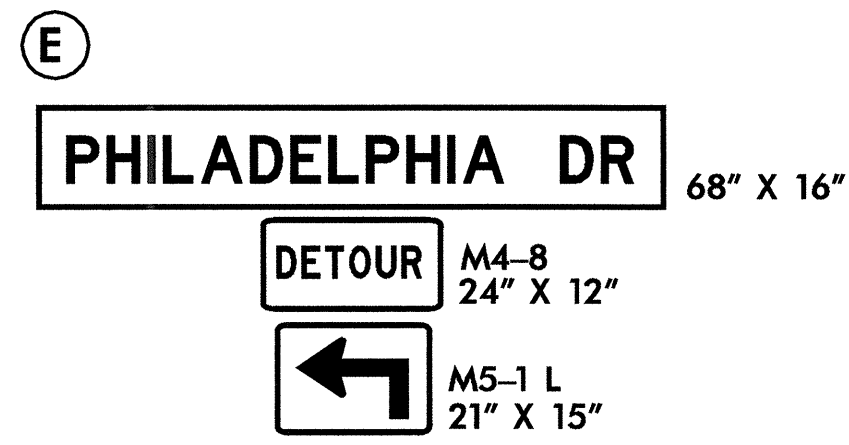
SIGN ASSEMBLY



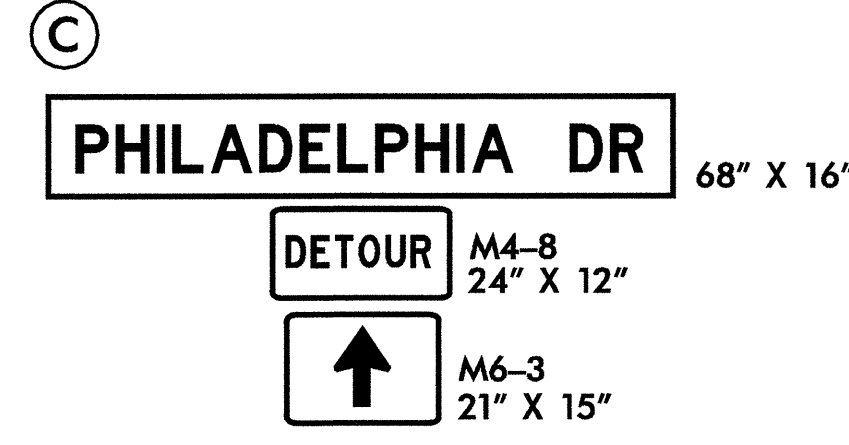
SIGN ASSEMBLY



SIGN ASSEMBLY

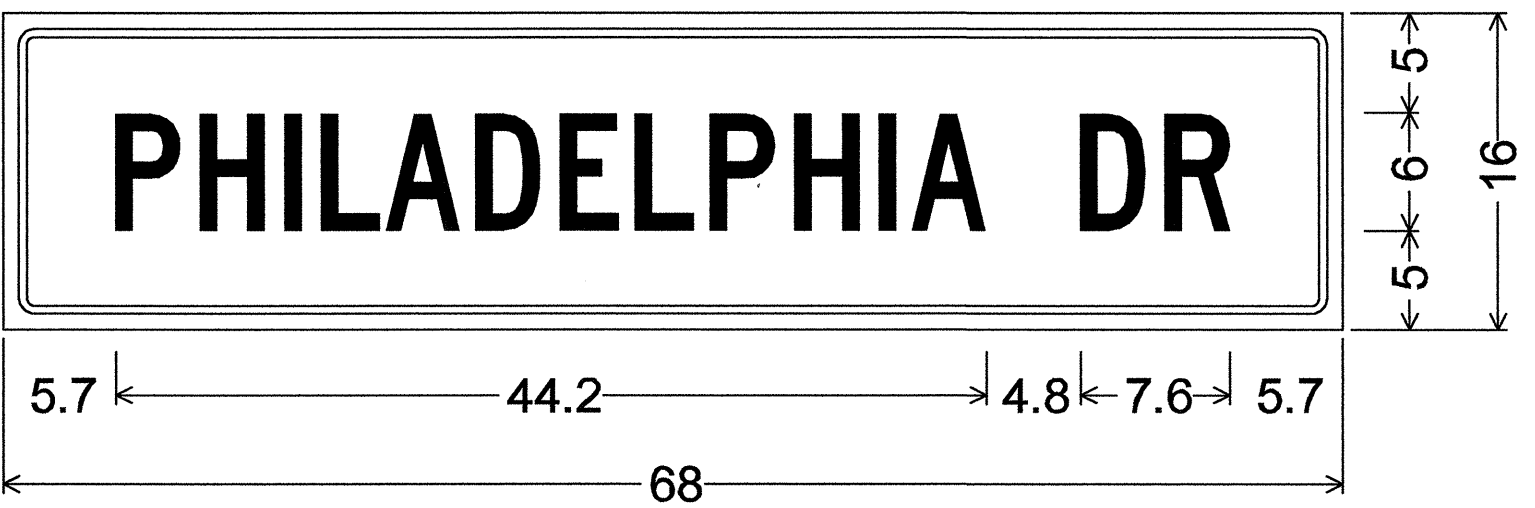


SIGN ASSEMBLY



NOTE:

1. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE. FINAL PLACEMENT AS DIRECTED BY ENGINEER.
2. DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;
[PHILADELPHIA DR] C 80% spacing;
Table of widths and spaces.

5.7	P	3.3	1.0	H	3.3	1.0	I	0.9	1.0	L	3.0	0.2	A	3.8	0.8	D	3.3	1.0	E	3.0	0.8	L	3.0	0.8	P	3.3	1.0	H	3.3	1.0	I	0.8	0.8	A	3.8		
				D				R																													
				4.8				3.3					1.0																								

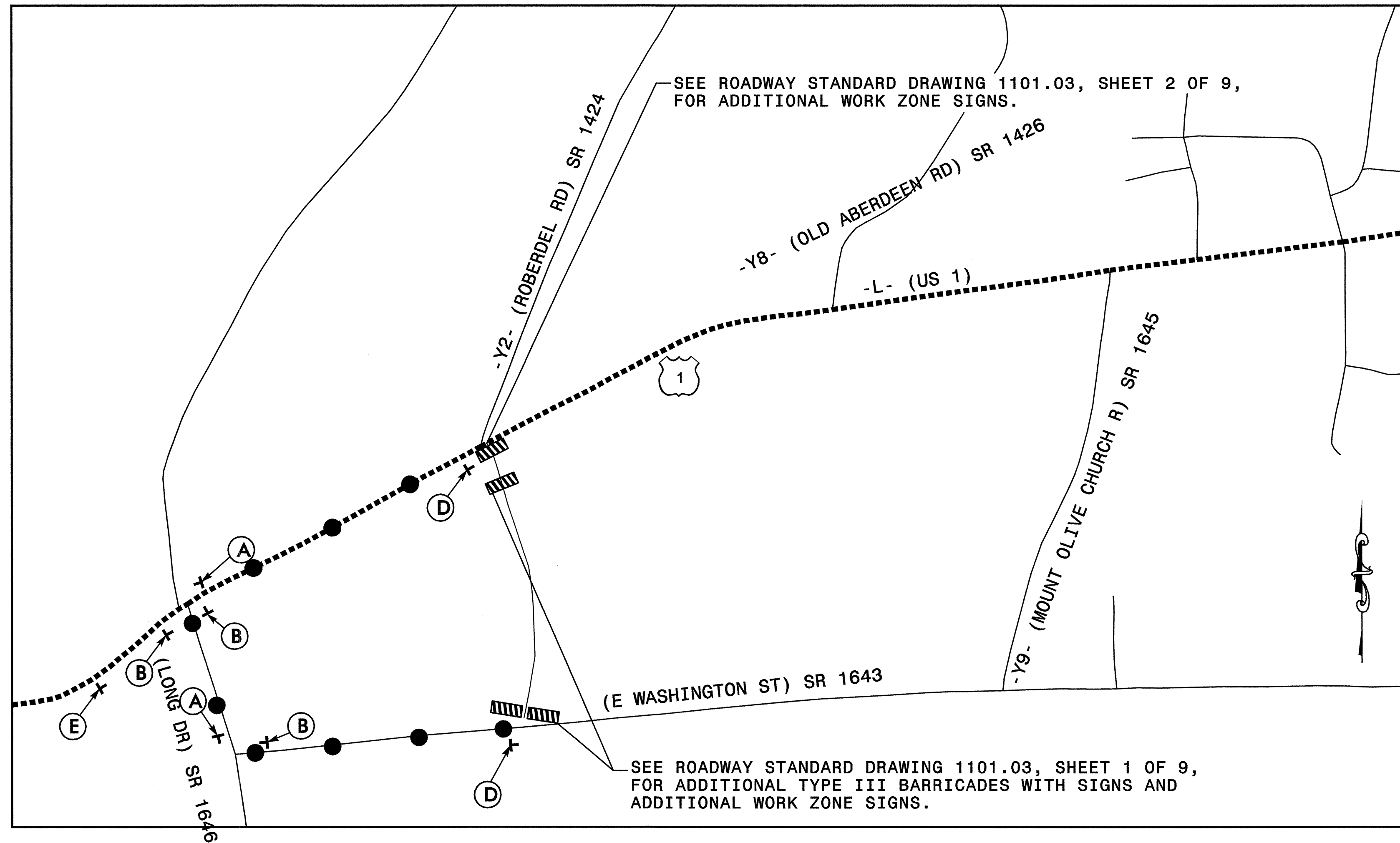
PLAN PREPARED IN THE OFFICE OF:
Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

-Y11- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

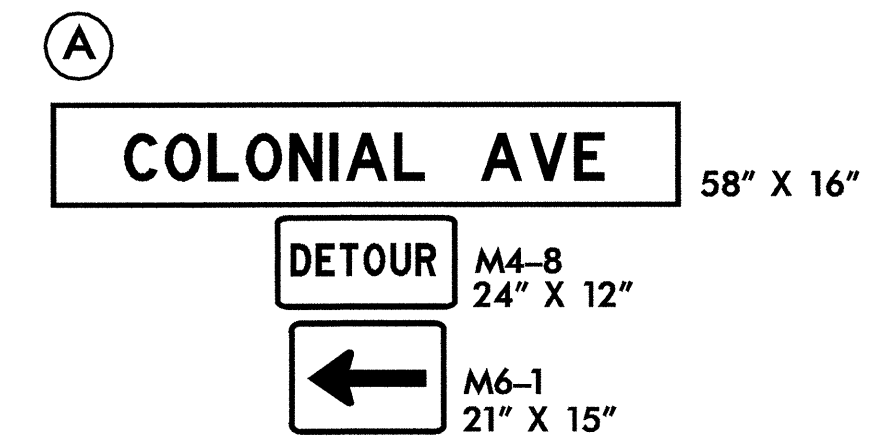
SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

OFF-SITE DETOUR SIGNING

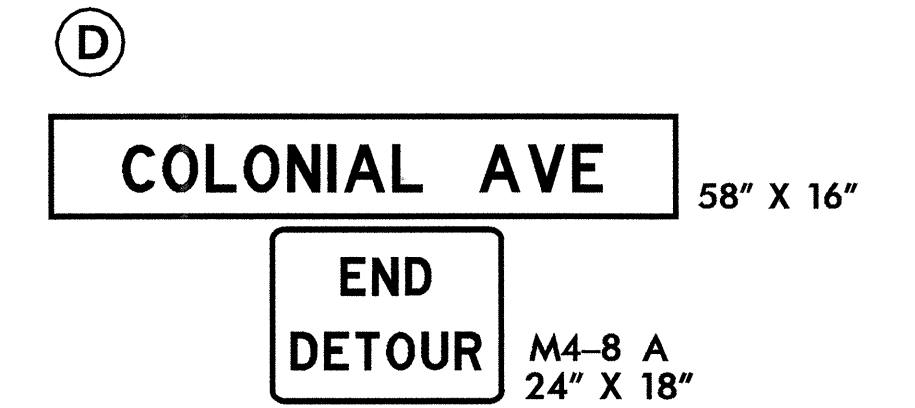


—●—●—●— OFF-SITE DETOUR ROUTE

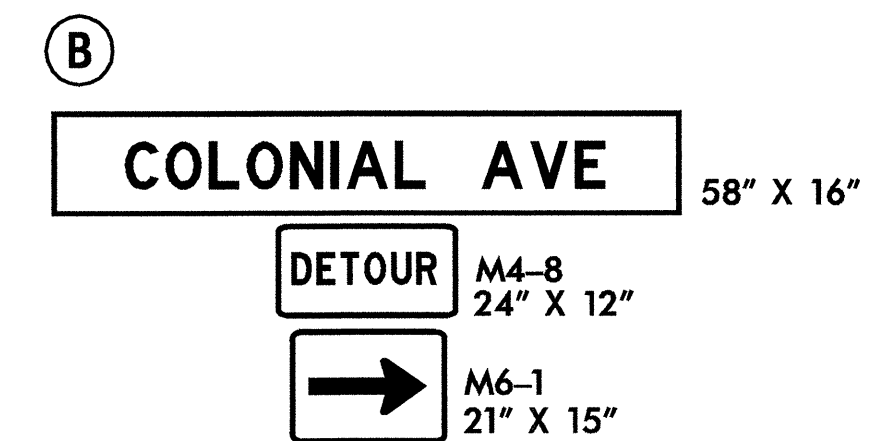
SIGN ASSEMBLY



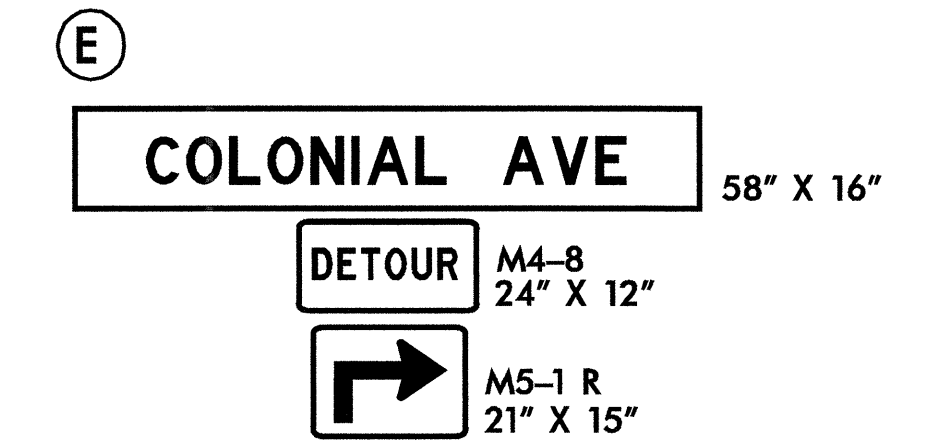
SIGN ASSEMBLY



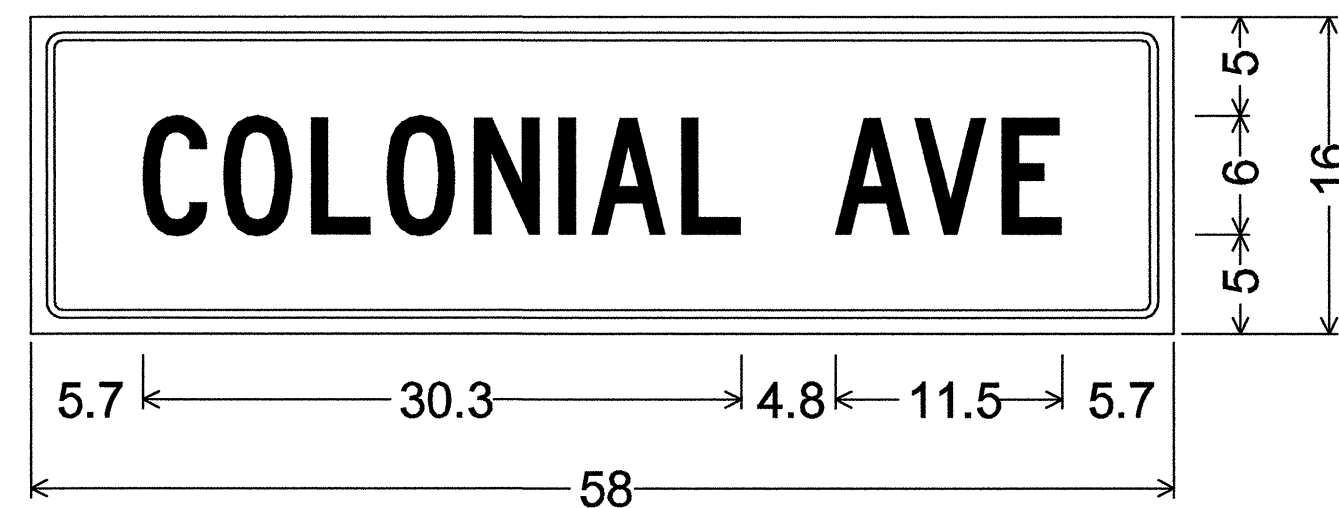
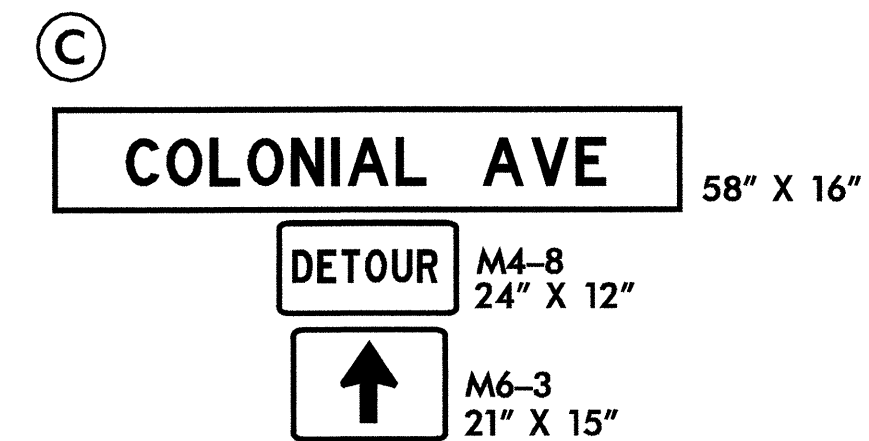
SIGN ASSEMBLY



SIGN ASSEMBLY



SIGN ASSEMBLY



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;
[COLONIAL AVE] C 80% spacing;
Table of widths and spaces.

5.7	C	3.3	0.8	3.4	1.0	L	3.0	0.9	3.4	1.0	N	3.3	1.0	I	0.9	0.8	A	3.7	0.8	L	3.0
			A	3.8	0.3	V	3.6	0.8	E	3.0	5.7										

NOTE:

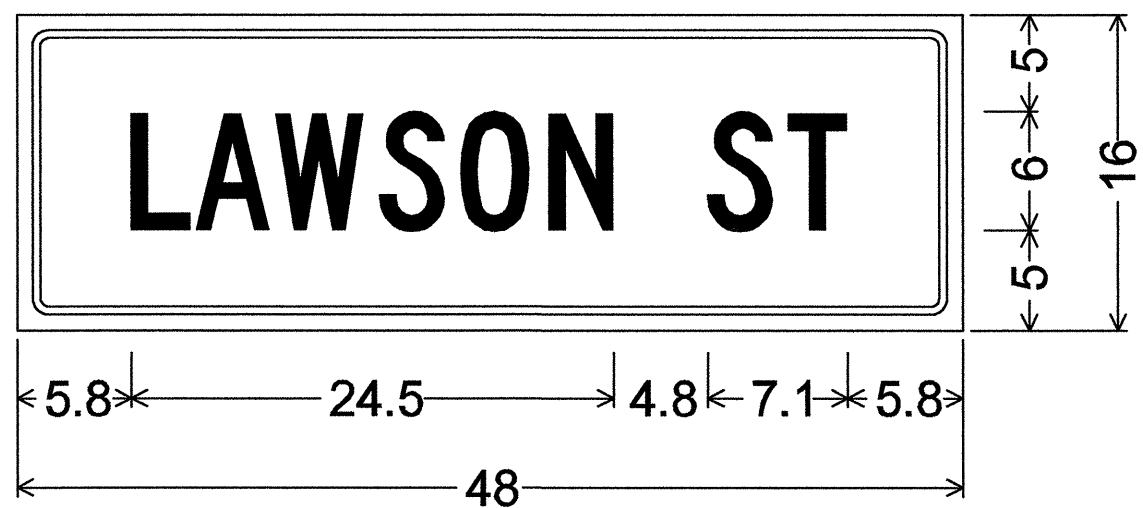
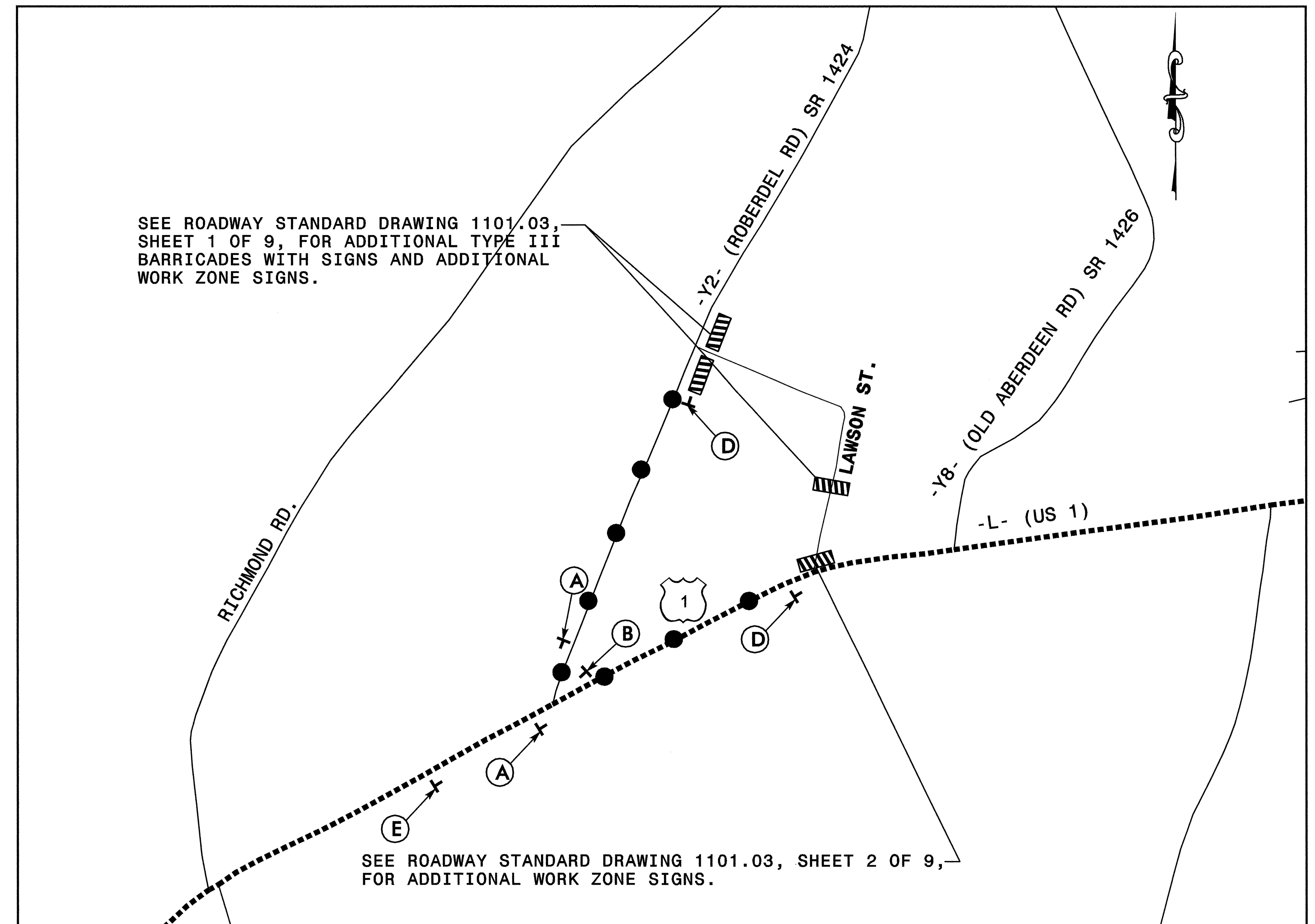
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- DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.

PLAN PREPARED IN THE OFFICE OF:
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CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

-Y3- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

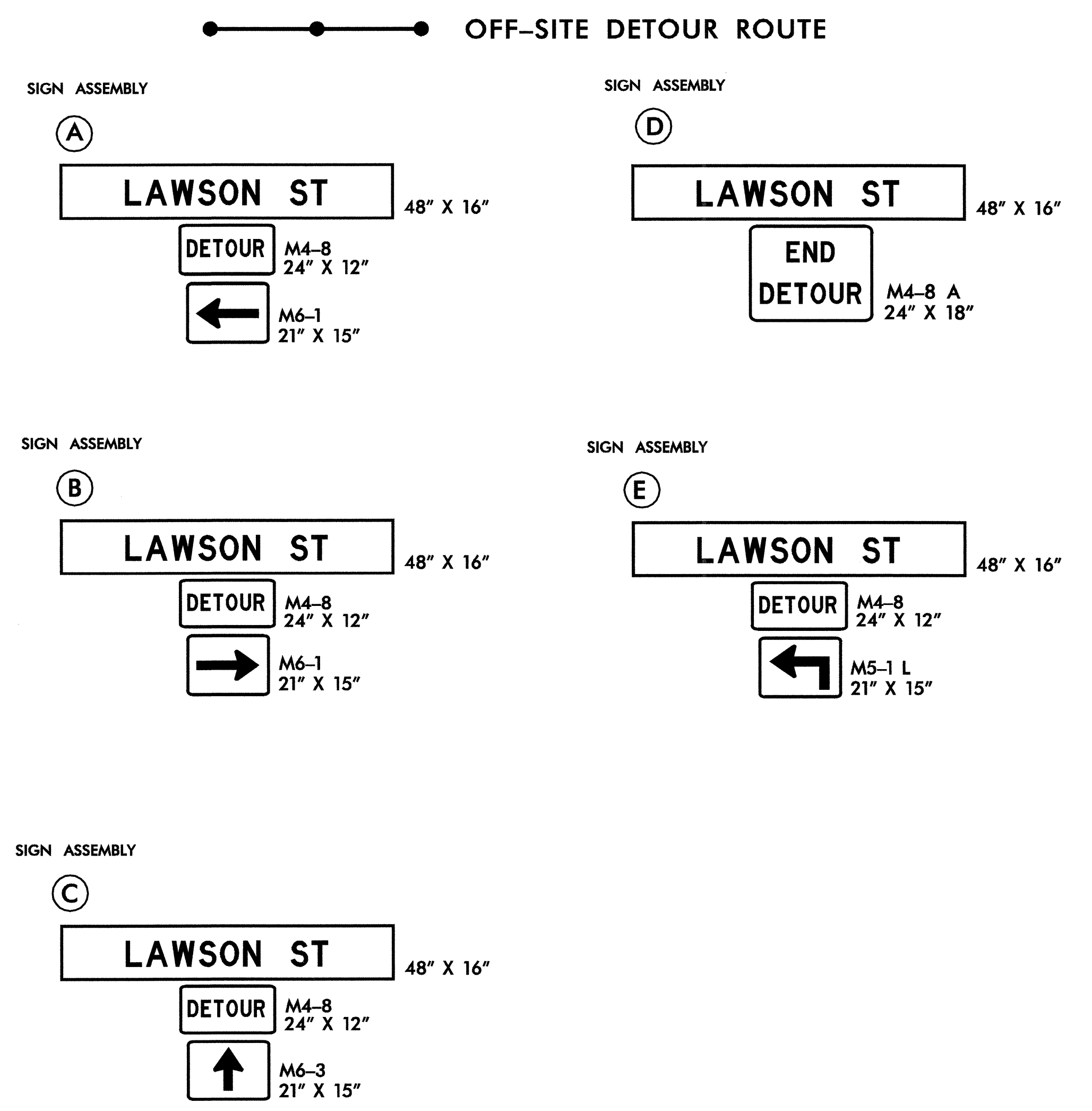
SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;
[LAWSON ST] C 80% spacing;
Table of widths and spaces.

L	A	W	S	O	N						
5.8	3.0	0.3	3.7	0.3	4.5	0.8	3.3	0.8	3.5	1.0	3.3
S	T										
4.8	3.3	0.8	3.0	5.8							

OFF-SITE DETOUR SIGNING



NOTE:

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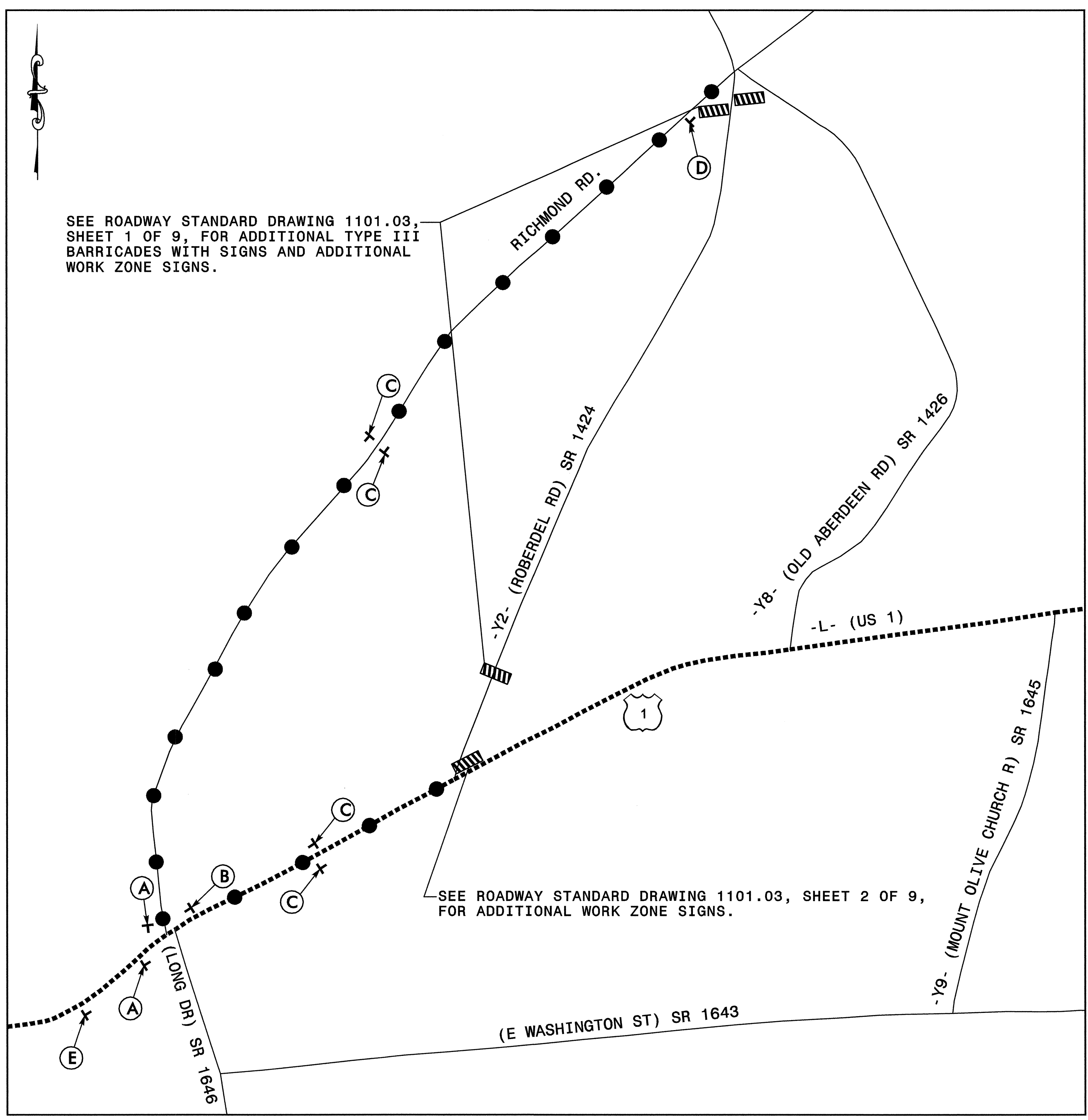
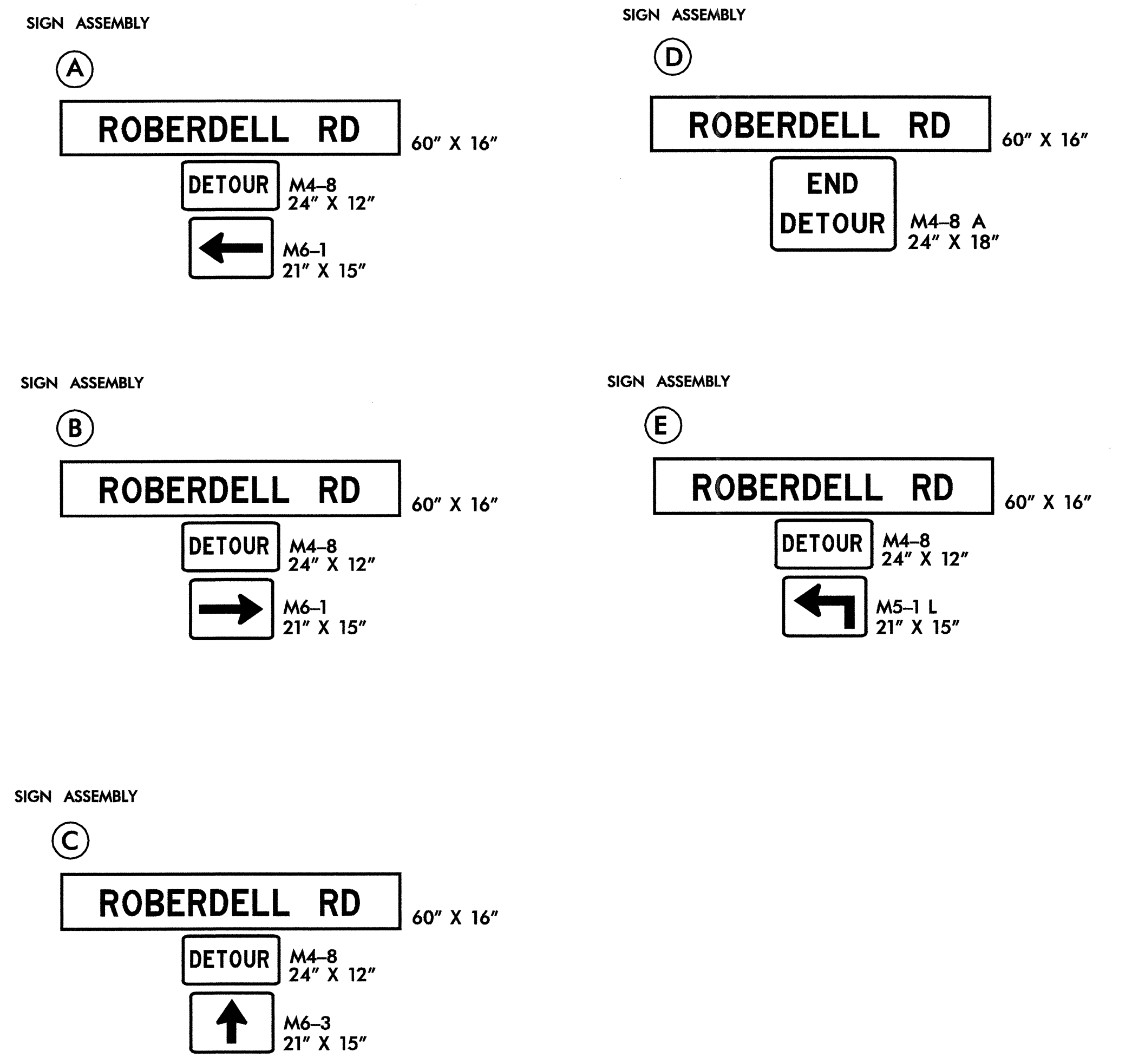
APPROVED: *Tim Arey* DATE: 7/17

-Y6- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

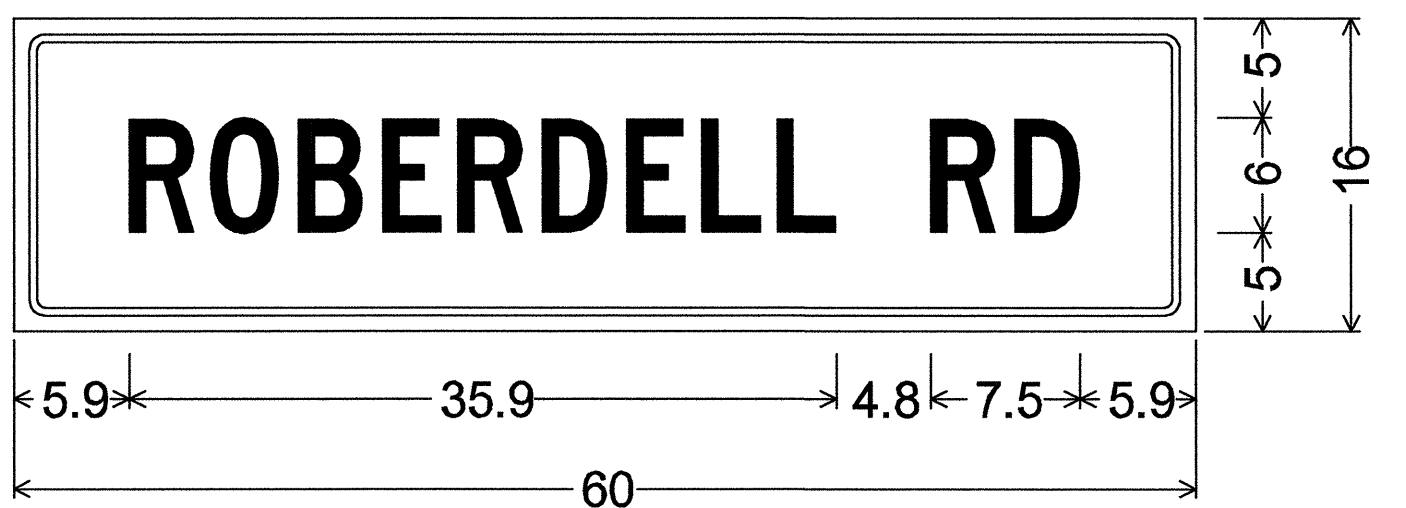
OFF-SITE DETOUR SIGNING

—●—●—●— OFF-SITE DETOUR ROUTE



SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR ADDITIONAL TYPE III BARRICADES WITH SIGNS AND ADDITIONAL WORK ZONE SIGNS.

SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;
[ROBERDELL RD] C 80% spacing;
Table of widths and spaces.

5.9	R	3.3	O	3.4	B	3.3	E	3.0	R	3.3	D	3.3	E	3.0	L	3.0	L	3.0	R	4.8	R	3.2	D	3.3	5.9
-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	-----

NOTE:

1. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE. FINAL PLACEMENT AS DIRECTED BY ENGINEER.
2. DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.

PLAN PREPARED IN THE OFFICE OF:
Kubilins
TRANSPORTATION GROUP, INC.
800 W. HILL STREET, SUITE 202
CHARLOTTE, NC 28208
PH: (980) 321-0202 FAX: (980) 321-0108

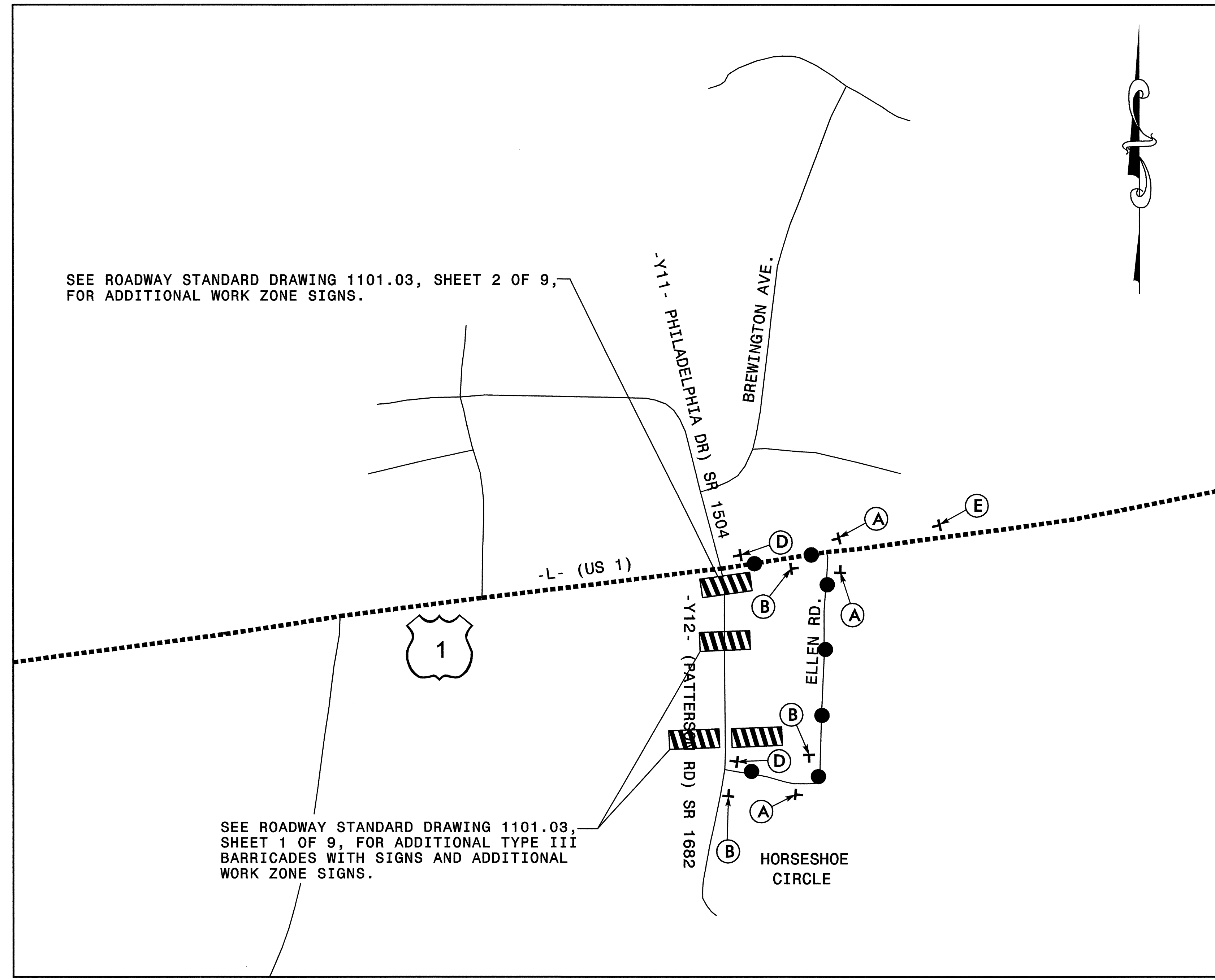
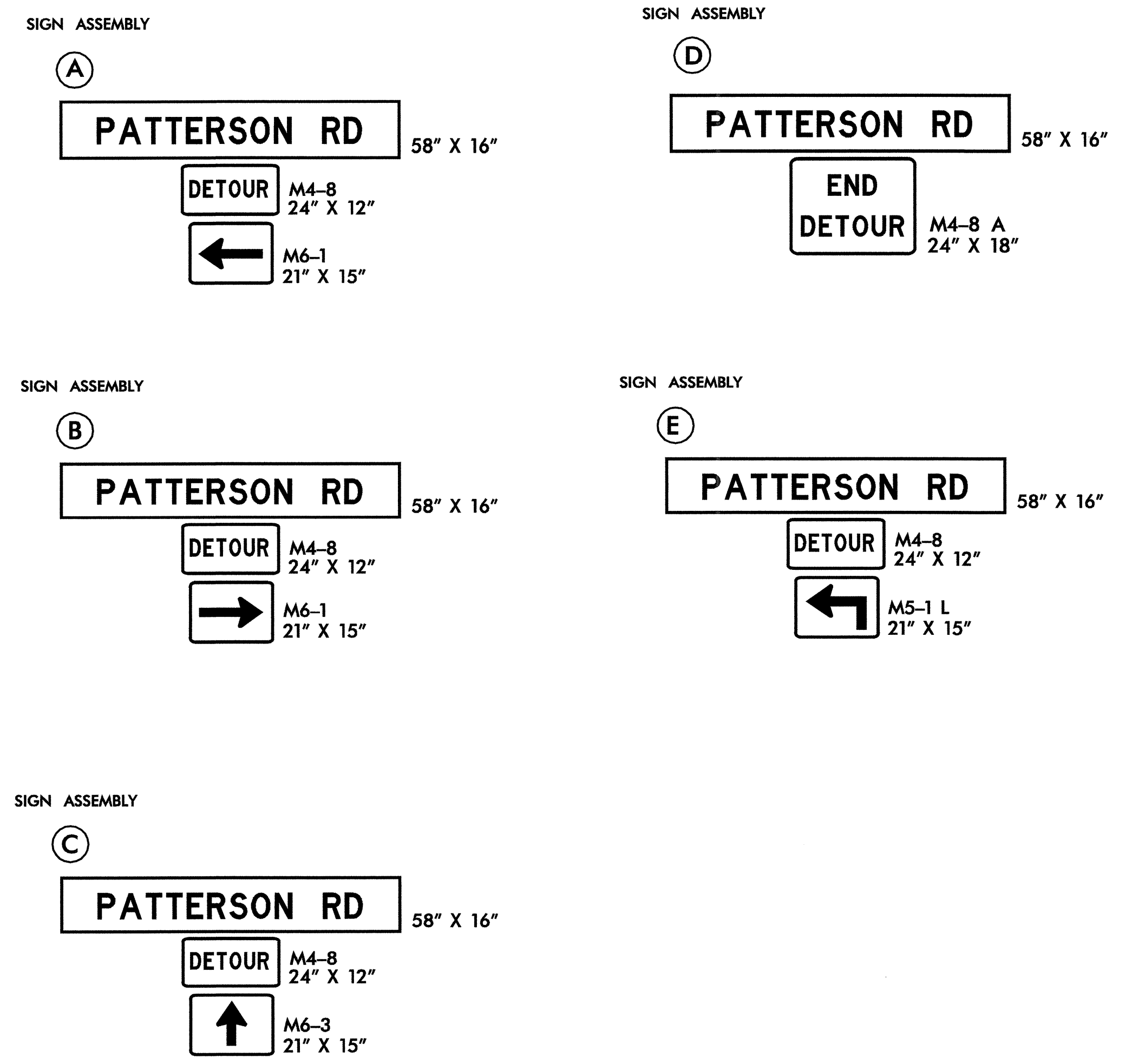
APPROVED: *[Signature]* DATE: 7/17

-Y2- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

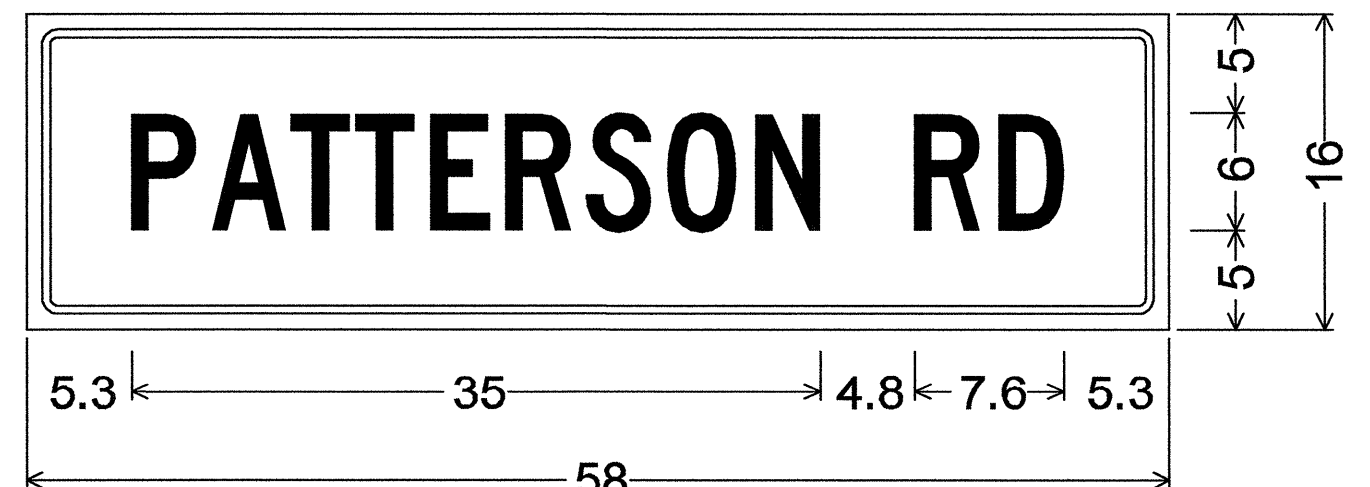
OFF-SITE DETOUR SIGNING

—●—●—●— OFF-SITE DETOUR ROUTE



SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.

SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR ADDITIONAL TYPE III BARRICADES WITH SIGNS AND ADDITIONAL WORK ZONE SIGNS.



1.6" Radius, 0.4" Border, 0.8" Indent, Black on Orange;

[PATTERSON RD] C 80% spacing;

Table of widths and spaces.

P	A	T	T	E	R	S	O	N									
5.3	3.3	0.8	3.8	0.3	3.0	0.2	3.0	0.8	3.0	0.8	3.3	0.8	3.3	0.8	3.5	1.0	3.3
R		D															
4.8	3.3	1.0	3.3	5.3													

NOTE:

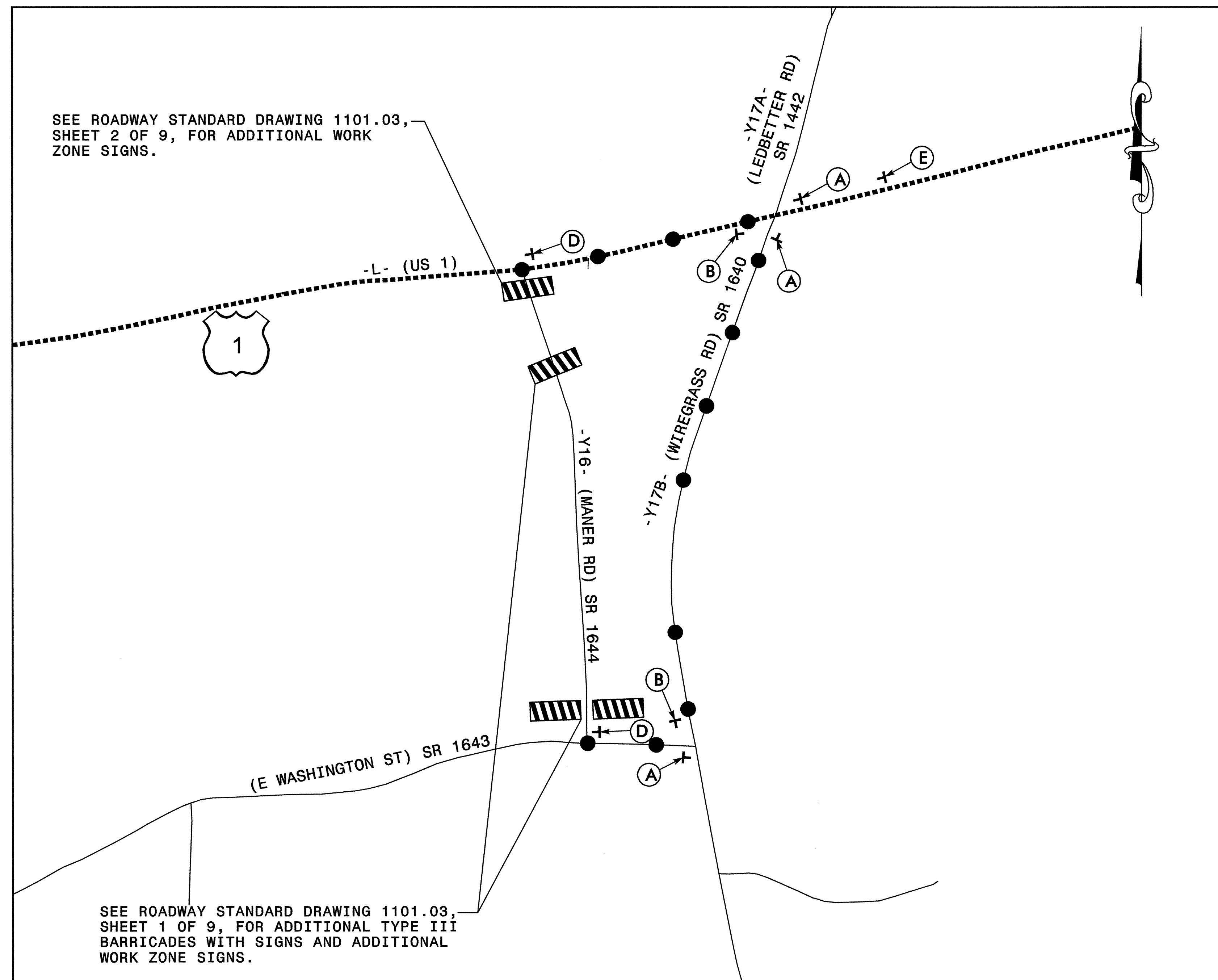
1. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE. FINAL PLACEMENT AS DIRECTED BY ENGINEER.
2. DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.

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 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17

-Y12- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

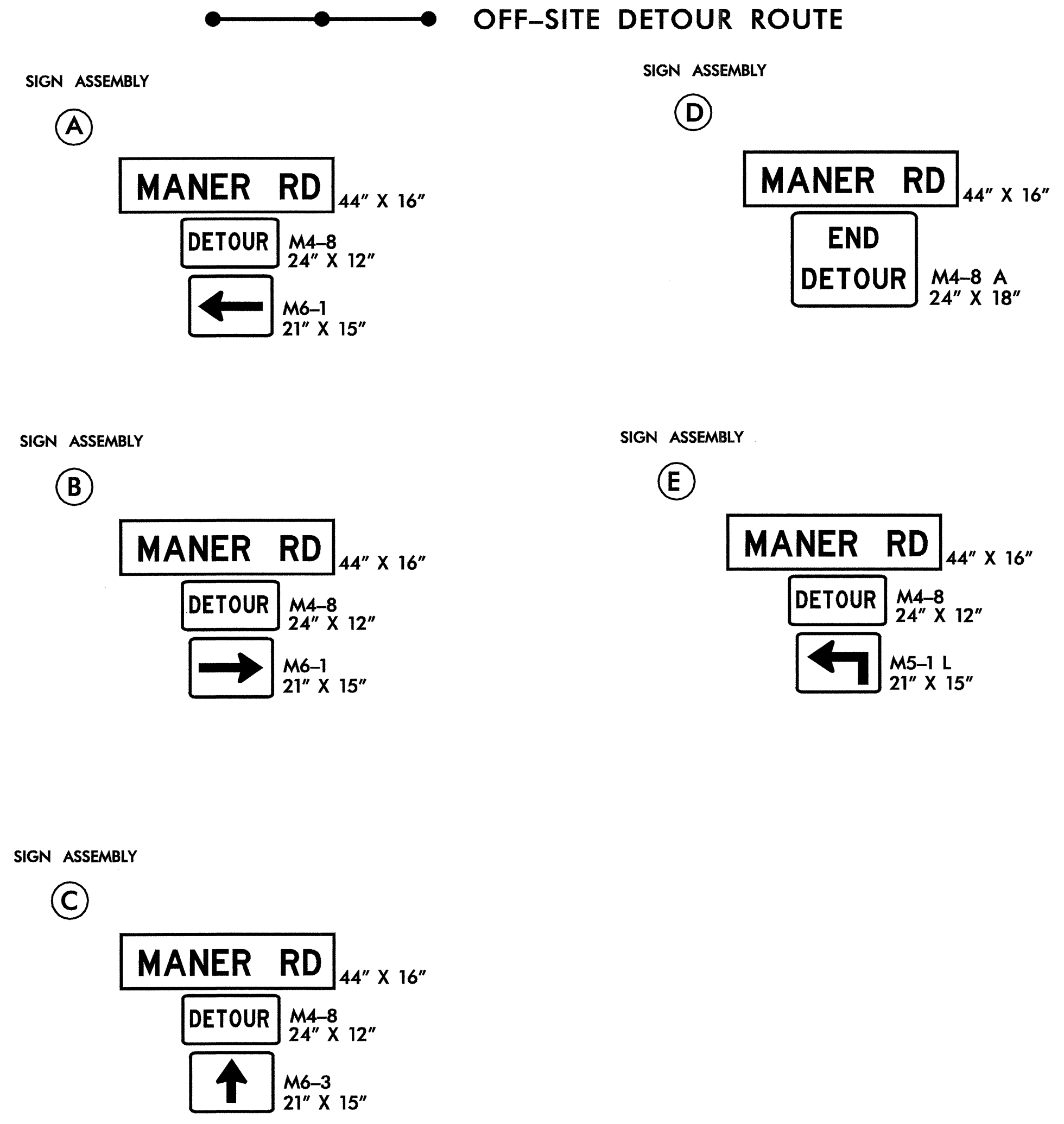
SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		



SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS.

SEE ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR ADDITIONAL TYPE III BARRICADES WITH SIGNS AND ADDITIONAL WORK ZONE SIGNS.

OFF-SITE DETOUR SIGNING



1.6" RADIUS, 0.4" BORDER, 0.8" INDENT, BLACK ON ORANGE;
 [MANER RD] C 80% SPACING;
 TABLE OF WIDTHS AND SPACES.

M	A	N	E	R					
5.5	3.9	0.8	3.7	0.9	3.2	1.0	3.0	0.9	3.2
R	D								
4.8	3.3	1.0	3.3	5.5					

NOTE:

1. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE. FINAL PLACEMENT AS DIRECTED BY ENGINEER.
2. DETOUR SIGNING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STATIONARY WORK ZONE" SIGNING.

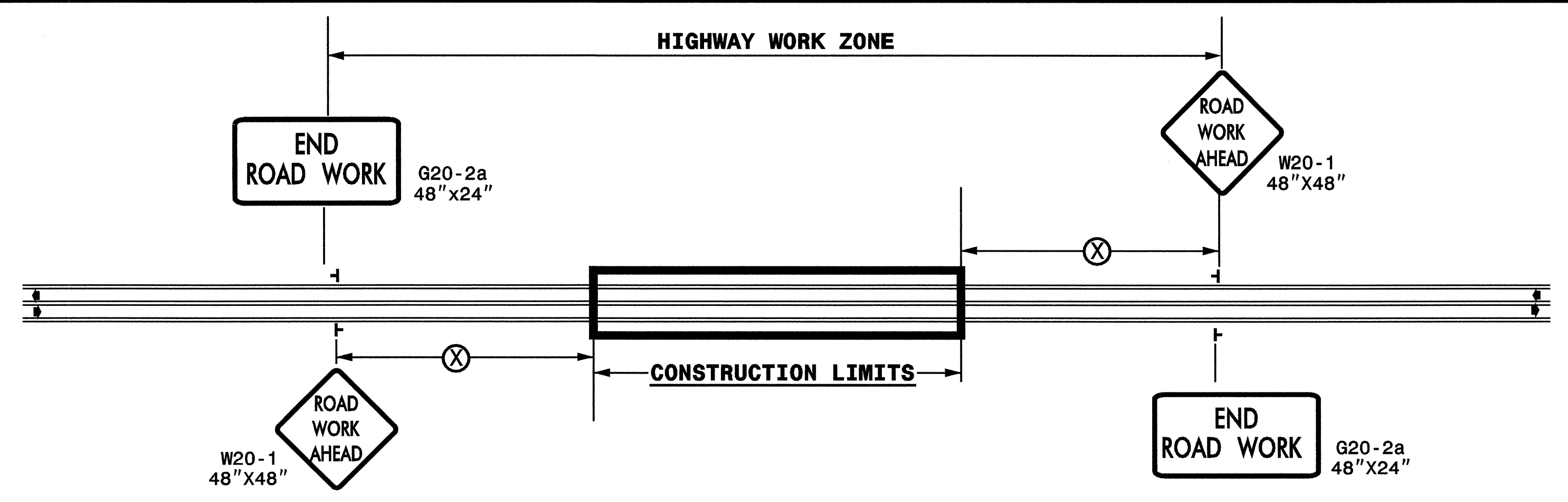
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 TRANSPORTATION GROUP, INC.
 800 W. HILL STREET, SUITE 202
 CHARLOTTE, NC 28208
 PH: (980) 321-0202 FAX: (980) 321-0108

APPROVED: *[Signature]* DATE: 7/17
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 025465
 ENGINEER
 TIM AREY

-Y16- OFF-SITE DETOUR SIGNING AND DETOUR SIGN DESIGN

SCALE: NONE		REVISIONS
DATE: 7/07		
DWG. BY: LDA		
DESIGN BY: TMA		
REVIEWED BY: TMA		

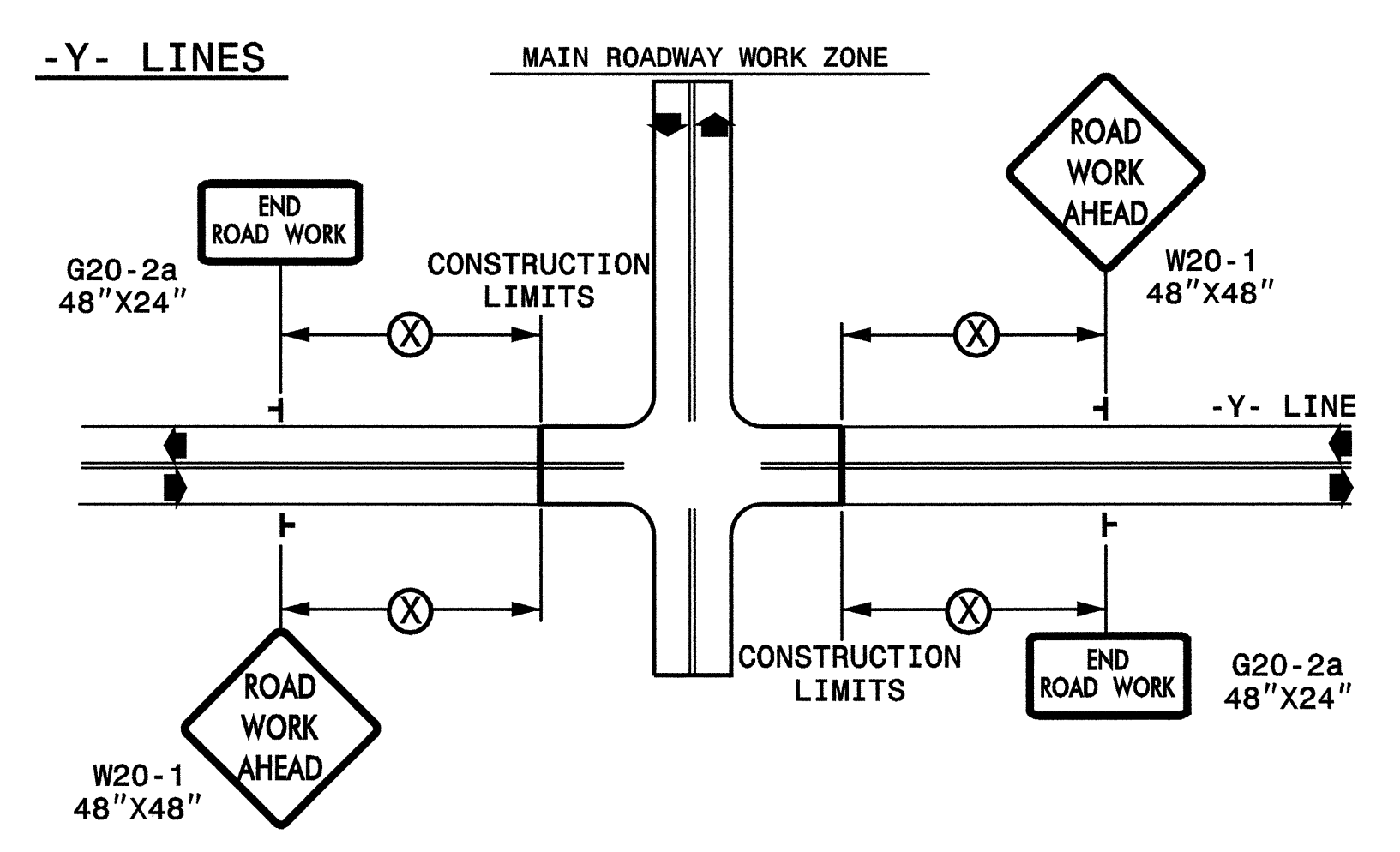
TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

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

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



DETAIL DRAWING FOR
 TWO-WAY UNDIVIDED
 WORK ZONE WARNING SIGNS

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.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

┆ STATIONARY SIGN

◀ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

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APPROVED: *[Signature]* DATE: 7/17

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 025465
 TIM AREY

DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS

SCALE: NONE	REVISIONS
DATE: 7/07	7-98 10/01
DESIGN BY:	10-98 03/04
REVIEWED BY:	01/01 11/04
	CADD FILE