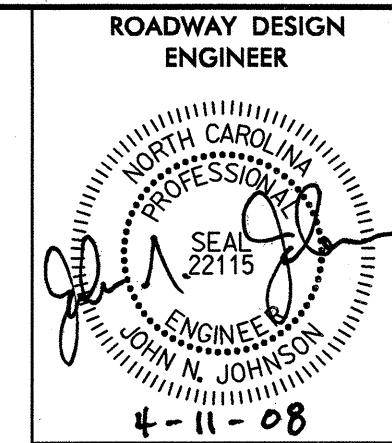


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**FINAL PLAN FOR TRAFFIC CONTROL  
MARKING & DELINEATION  
PROJECT B-5021**



SHEET NO. TCP-1

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

500 0 500 1000  
4-11-08

**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 PLAN 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
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.08	PAVEMENT MARKINGS - ARROW SYMBOLS
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES

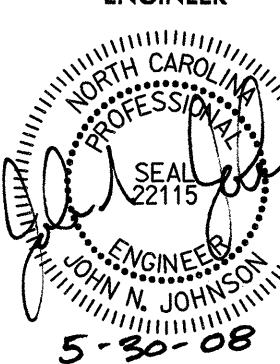
**INDEX OF SHEETS**

TITLE	SHEET NO.
TITLE SHEET	TCP-1
GENERAL SHEET	TCP-2
PHASING NOTES	TCP-3 THRU TCP-5
DETOUR SIGNS	TCP-6 THRU TCP-8
I-95 NB DETOUR	TCP-9 THRU TCP-14
I-95 SB DETOUR	TCP-15 THRU TCP-20
BRIDGE 169-DETAIL C1-C2	TCP-21 THRU TCP-22
BRIDGE 167-DETAIL D1-D2	TCP-23 THRU TCP-24
BRIDGE 162-DETAIL E1-E2	TCP-25 THRU TCP-26
BRIDGE 100-DETAIL F1-F2	TCP-27 THRU TCP-28
BRIDGE 54-DETAIL G	TCP-29
BRIDGE 151-DETAIL H1-H3	TCP-30 THRU TCP-32

# GENERAL NOTES

SHEET NO.

TCP-2

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208ROADWAY DESIGN  
ENGINEER

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.

THE CONTRACTOR SHALL WORK CONTINUOUSLY ONCE WORK HAS BEGUN AT EACH BRIDGE SITE.

THE CONTRACTOR CAN NOT WORK SIMULTANEOUSLY ON BRIDGE SITES.

CONTRACTORS MUST COORDINATE WITH OTHER CONTRACTORS WITHIN THE PROJECT SITE.

## TIME RESTRICTIONS

THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC PATTERNS AND SHALL NOT CLOSE OR NARROW A LANE OF TRAFFIC ON I-95 INCLUDING ALL RAMPS AND LOOPS DURING THE FOLLOWING TIMES:

FRIDAY 6:00 A.M. TO MONDAY 12:01 P.M.

THE CONTRACTOR SHALL NOT CLOSE AND DETOUR I-95 TRAFFIC DURING THE FOLLOWING TIMES:

MONDAY 12:01 P.M. TO MONDAY 8 P.M.  
TUESDAY 7:00 A.M. TO TUESDAY 8 P.M.  
WEDNESDAY 7:00 A.M. TO WEDNESDAY 8 P.M.  
THURSDAY 7:00 A.M. TO THURSDAY 8 P.M.

IN ADDITION, THE CONTRACTOR SHALL NOT CLOSE OR NARROW A LANE OF TRAFFIC ON I-95 INCLUDING ALL RAMPS AND LOOPS, DETAIN AND/OR ALTER THE TRAFFIC FLOW DURING HOLIDAYS, HOLIDAY WEEKENDS, SPECIAL EVENTS, OR ANY OTHER TIME WHEN TRAFFIC IS UNUSUALLY HEAVY INCLUDING THE FOLLOWING SCHEDULES:

## HOLIDAY

1. FOR UNEXPECTED OCCURANCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S DAY, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST AND 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY, THEN UNTIL 6:00 A.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, THE CALENDAR WEEK FOR WHICH INDEPENDENCE DAY OCCURS BETWEEN THE HOURS 12:00 A.M. ON SUNDAY BEFORE INDEPENDENCE DAY AND 11:59 P.M. THE SUNDAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY, THEN BETWEEN THE HOURS OF 12:01 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 11:59 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY AND 8:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS DAY.
9. FOR DAYTONA 500 CAR RACE, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY BEFORE THE WEEK OF THE DAYTONA 500 CAR RACE TO 7:00 P.M. MONDAY AFTER THE WEEK OF THE DAYTONA 500 CAR RACE.
10. FOR THE DAYTONA BIKE WEEKS, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY BEFORE THE WEEK OF THE DAYTONA 500 BIKE WEEKS, TO 7:00 P.M. MONDAY AFTER THE WEEK OF THE DAYTONA BIKE WEEKS.
11. FOR THE MYRTLE BEACH BIKE WEEKENDS, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY BEFORE THE WEEKEND OF THE MYRTLE BEACH BIKE WEEKENDS TO 7:00 P.M. MONDAY AFTER THE WEEKEND OF THE MYRTLE BEACH BIKE WEEKENDS.

## LANE AND SHOULDER CLOSURE REQUIREMENTS

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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 40 FT (12m) 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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT (1.5m) 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 DIVIDED FACILITY AND WITHIN 10 FT (3m) 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 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 RESIDENT ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15 FT (5m) OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.

MAINTAIN AT LEAST 2 LANES OF TRAFFIC IN EACH DIRECTION DURING TIMES WHEN LANE CLOSURES ARE NOT ALLOWED.

DO NOT INSTALL MORE THAN ONE SIMULTANEOUS LANE CLOSURE, IN ANY ONE DIRECTION, ON I-95.

## TRAFFIC PATTERN ALTERATIONS

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

## SIGNING

USE FLUORESCENT ORANGE SHEETING (TYPE V11 OR HIGHER) ON ALL ADVANCED WORK SIGNS.

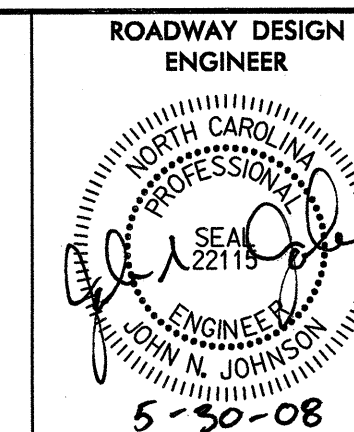
INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 FT (31m) FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

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.

ALL DETOUR SIGNING IS THE RESPONSIBILITY OF THE CONTRACTOR.

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

# PHASING



## ROBESON COUNTY - BRIDGE 151

### PHASE 1

- STEP 1: USING DETAIL H1 FOR THE OFFSITE DETOUR FOR THE POWERSVILLE ROAD (SR 1529) BRIDGE, PLACE DETOUR SIGNING FOR CLOSURE ALONG POWERSVILLE ROAD (SR 1529), US 301, RUSS ROAD (SR 1942), AND BAKER TEN MILE ROAD (SR 1005). USING DETAIL H2-H3 INSTALL OFFSITE DETOUR SIGNS FOR I-95 AS APPLICABLE. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION.
- STEP 2: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.03 (SHEET 1 OF 9), CLOSE POWERSVILLE ROAD (SR 1529).
- STEP 3: UNCOVER SIGNS FOR OPERATION. USING DETAIL H2-H3 AND NCDOT 1101.03 (SHEET 7 OF 9) FOR THE OFFSITE DETOUR FOR THE I-95 SOUTHBOUND TRAFFIC, PLACE DETOUR SIGNING FOR CLOSURE ALONG I-95, US 301, AND NORTH FAYETTEVILLE ROAD (SR 1997).
- STEP 4: BEGIN CONSTRUCTION OF ROADWAY APPROACH MODIFICATIONS, UPON CLOSURE OF POWERSVILLE ROAD (SR 1529).

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 5 TO STEP 6 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

- STEP 5: USING DETAIL H2-H3, DETOUR I-95 SOUTHBOUND TRAFFIC AND REMOVE THE EXISTING SPAN OVER SOUTHBOUND I-95.
- STEP 6: UPON COMPLETION OF SPAN REMOVAL, RETURN TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER SOUTHBOUND I-95 DETOUR SIGNS.
- STEP 7: USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9), BEGIN SUBSTRUCTURE MODIFICATIONS ADJACENT TO SOUTHBOUND I-95.

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 8 TO STEP 9 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

- STEP 8: USING DETAIL H2-H3 AND NCDOT STANDARD DRAWING 1101.03 (SHEET 7 OF 9), DETOUR SOUTHBOUND I-95 TRAFFIC AND ERECT THE GIRDERS OVER SOUTHBOUND I-95.
- STEP 9: UPON COMPLETION OF GIRDER ERECTION, RETURN TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER SOUTHBOUND I-95 DETOUR SIGNS.
- STEP 10: COMPLETE SPAN REPLACEMENT WORK OVER SOUTHBOUND I-95 USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9) AND APPROACH MODIFICATIONS. OVERLAY POWERSVILLE ROAD (SR 1529) WITH THE FINAL LAYER OF SURFACE COURSE.
- STEP 11: REMOVE ALL WARNING SIGNS AND TRAFFIC CONTROL DEVICES ON POWERSVILLE ROAD (SR 1529) DETOUR AND RETURN ITS TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.

## ROBESON COUNTY - BRIDGE 169

### PHASE 2

- STEP 1: USING DETAIL C1-C2, PLACE DETOUR SIGNING ALONG GREEN SPRINGS ROAD (SR 1718), US 301, PARKTON TOBERMORY ROAD (SR 1723), AND COUNCIL ROAD (SR 1900) FOR THE OFFSITE DETOUR FOR GREEN SPRINGS ROAD (SR 1718) ROAD BRIDGE.
- STEP 2: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.03 (SHEET 1 OF 9), CLOSE GREEN SPRINGS ROAD (SR 1718) ROAD.
- STEP 3: UNCOVER SIGNS FOR OPERATION. USING DETAIL H2-H3 AND NCDOT 1101.03 (SHEET 7 OF 9) FOR THE OFFSITE DETOUR FOR THE I-95 NORTHBOUND TRAFFIC, PLACE DETOUR SIGNING FOR CLOSURE ALONG I-95, US 301, AND NORTH FAYETTEVILLE ROAD (SR 1997).
- STEP 4: BEGIN CONSTRUCTION OF ROADWAY APPROACH MODIFICATIONS, UPON CLOSURE OF GREEN SPRINGS ROAD (SR 1529).
- STEP 5: THE CONTRACTOR SHALL REMOVE ALL SIGNS OFF BRIDGE 169 AND DELIVER THEM TO THE TRAFFIC SERVICES COMPOUND IN FAYETTEVILLE, NORTH CAROLINA.

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 6 TO STEP 7 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

- STEP 6: USING DETAIL B1-B5, DETOUR NORTHBOUND I-95 TRAFFIC AND REMOVE THE EXISTING SPAN OVER NORTHBOUND I-95.
- STEP 7: UPON COMPLETION OF SPAN REMOVAL, RETURN TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER NORTHBOUND I-95 DETOUR SIGNS.
- STEP 8: USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9), BEGIN SUBSTRUCTURE MODIFICATIONS ADJACENT TO NORTHBOUND I-95.

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 9 TO STEP 10 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

- STEP 9: USING DETAIL B1-B5 AND NCDOT STANDARD DRAWING 1101.03 (SHEET 7 OF 9), DETOUR NORTHBOUND I-95 TRAFFIC AND ERECT THE GIRDERS OVER NORTHBOUND I-95.
- STEP 10: UPON COMPLETION OF GIRDER ERECTION, RETURN TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER NORTHBOUND I-95 DETOUR SIGNS.
- STEP 11: COMPLETE SPAN REPLACEMENT WORK OVER NORTHBOUND I-95 USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9) AND APPROACH MODIFICATIONS. OVERLAY GREEN SPRINGS ROAD (SR 1529) WITH THE FINAL LAYER OF SURFACE COURSE.
- STEP 12: REMOVE ALL WARNING SIGNS AND TRAFFIC CONTROL DEVICES ON GREEN SPRINGS ROAD (SR 1529) DETOUR AND RETURN ITS TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.

05/30/2008  
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clark@stv.com

# PHASING (CON'T.)

ROBESON COUNTY - BRIDGES 162 & 167

## PHASE 3

STEP 1: USING DETAILS D1-D2 AND E1-E2 FOR THE OFFSITE DETOUR FOR THE PARKTON TOBERMORY ROAD (SR 1723) AND MCRAINEY ROAD (SR 1726) BRIDGES. PLACE DETOUR SIGNING ALONG PARKTON TOBERMORY ROAD (SR 1723), US 301, GREEN SPRINGS ROAD (SR 1718), COUNCIL ROAD (SR 1900), MCRAINEY ROAD (SR 1726), AND EVANS ROAD (SR 1912). COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION.

STEP 2: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.03 (SHEET 2 OF 9) AND DETAILS D1-D2 AND E1-E2, PLACE WARNING SIGNS AND WATER FILLED BARRIER ACCORDINGLY FOR A TEMPORARY ROAD CLOSURE ON MCRAINEY ROAD (SR 1726) AND PARKTON TOBERMORY ROAD (SR 1723). UNCOVER THE SIGNS FOR THE OFFSITE DETOUR.

NOTE: DURING STEPS 3 THROUGH 13, WORK AT BRIDGES 162 AND 167 MAY PROCEED SEPARATELY OR CONCURRENTLY. THE FOLLOWING INTERMEDIATE CONTRACT TIME (ICT NO. 4), ONLY APPLIES TO THE CLOSURE (STEP 3) AND SUBSEQUENT REOPENING (STEP 13) OF PARKTON TOBERMORY RD. (SR 1723) IN ORDER TO COMPLETE SPAN REPLACEMENT AND APPROACH WORK FOR BRIDGE NO. 167.

INTERMEDIATE CONTRACT TIME NUMBER 4: COMPLETE THE PARKTON TOBERMORY ROAD (SR 1723) WORK REQUIRED OF PHASE 3, STEP 3 TO STEP 13 IN 45 CONSECUTIVE CALENDAR DAYS. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 4 AND LIQUIDATED DAMAGES)

STEP 3: CLOSE MCRAINEY ROAD (SR 1726) AND PARKTON TOBERMORY ROAD (SR 1723) AND BEGIN CONSTRUCTION OF ROADWAY APPROACH MODIFICATIONS.

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 4 TO STEP 5 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

STEP 4: USING DETAILS B1-B5 AND NCDOT ROADWAY STANDARD 1101.03 (SHEET 7 OF 9), DETOUR I-95 NORTHBOUND TRAFFIC AT BRIDGE SITE 162 AND 167. REMOVE THE EXISTING SPAN OVER NORTHBOUND I-95.

STEP 5: UPON COMPLETION OF SPAN REMOVAL, RETURN TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER NORTHBOUND I-95 DETOUR SIGNS.

STEP 6: USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9), BEGIN SUBSTRUCTURE MODIFICATIONS ADJACENT TO NORTHBOUND I-95 FOR MCRAINEY ROAD BRIDGE (SR 1726) AND PARKTON TOBERMORY BRIDGE (SR 1723).

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 7 TO STEP 8 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

STEP 7: USING DETAILS A1-A5 AND NCDOT ROADWAY STANDARD 1101.03 (SHEET 7 OF 9), DETOUR I-95 SOUTHBOUND TRAFFIC AND REMOVE THE EXISTING SPAN OVER SOUTHBOUND I-95 AT BRIDGE SITE 162.

STEP 8: UPON COMPLETION OF SPAN REMOVAL RETURN TRAFFIC TO ITS NORMAL FLOW PATTERN, COVER SOUTHBOUND I-95 DETOUR SIGNS.

STEP 9: USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9), BEGIN SUBSTRUCTURE MODIFICATIONS ADJACENT TO SOUTHBOUND I-95 FOR MCRAINEY ROAD BRIDGE (SR 1726) AND PARKTON TOBERMORY BRIDGE (SR 1723).

ROBESON COUNTY - BRIDGES 162 & 167 (CON'T)

INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 10 TO STEP 11 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

STEP 10: USING DETAIL B1-B5 AND NCDOT ROADWAY STANDARD 1101.03 (SHEET 7 OF 9), DETOUR NORTHBOUND I-95 AND ERECT GIRDERS OVER NORTHBOUND I-95.

STEP 11: UPON COMPLETION RETURN NORTHBOUND I-95 TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER THE NORTHBOUND I-95 DETOUR.

STEP 12: COMPLETE SPAN REPLACEMENT WORK OVER NORTHBOUND I-95 USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9). COMPLETE BRIDGE APPROACH AT PARKTON TOBERMORY ROAD BRIDGE (SR 1723).

STEP 13: REMOVE ALL DETOUR SIGNS AND TRAFFIC CONTROL DEVICES FOR PARKTON TOBERMORY ROAD (SR 1723) DETOUR AND RETURN TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.

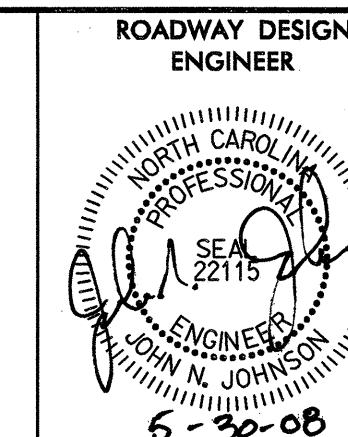
INTERMEDIATE CONTRACT TIME NUMBER 5: COMPLETE THE WORK REQUIRED OF STEP 14 TO STEP 15 IN A NIGHT TIME OPERATION. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 5 AND LIQUIDATED DAMAGES)

STEP 14: USING DETAIL A1-A5 AND NCDOT ROADWAY STANDARD 1101.03 (SHEET 7 OF 9), DETOUR SOUTHBOUND I-95 AND ERECT GIRDERS OVER THE SOUTHBOUND SIDE OF I-95.

STEP 15: UPON COMPLETION RETURN SOUTHBOUND I-95 TRAFFIC TO ITS NORMAL FLOW PATTERN AND COVER THE SOUTHBOUND I-95 DETOUR.

STEP 16: COMPLETE SPAN REPLACEMENT WORK OVER SOUTHBOUND I-95 USING NCDOT ROADWAY STANDARD 1101.02 (SHEET 3 OF 9). COMPLETE BRIDGE APPROACH AT MCRAINEY ROAD BRIDGE (SR 1726).

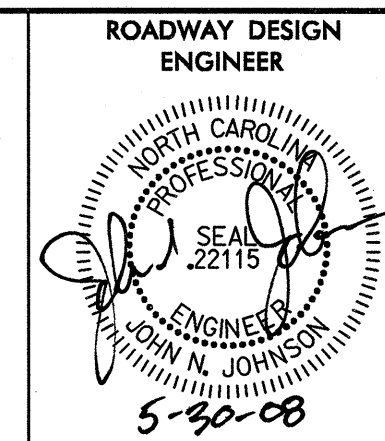
STEP 17: REMOVE ALL DETOUR SIGNS AND TRAFFIC CONTROL DEVICES ON MCRAINEY ROAD (SR 1726) DETOUR AND RETURN TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.



SHEET NO. TCP-4

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

# PHASING (CON'T.)



SHEET NO. TCP-5

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

## ROBESON COUNTY - BRIDGE 54

INTERMEDIATE CONTRACT TIME NUMBER 2: COMPLETE THE WORK REQUIRED OF PHASE 4, STEP 2 TO PHASE 5, STEP 5 IN 90 CONSECUTIVE CALENDAR DAYS. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES)

### PHASE 4

- STEP 1: USING DETAIL G FOR THE OFFSITE DETOUR FOR THE US 301 BRIDGE. PLACE DETOUR SIGNING ALONG US 301, POWERSVILLE ROAD (SR 1529), BAKER TEN MILE ROAD (SR 1005), AND RUSS ROAD (SR 1942). COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PLACE VARIABLE MESSAGE BOARD 14 DAYS PRIOR TO OPENING DETOUR.
- STEP 2: UNCOVER THE SIGNS FOR THE TEMPORARY DETOUR. USING NCDOT ROADWAY STANDARD DRAWINGS 1101.03 (SHEET 2 OF 9) AND DETAIL G, PLACE WARNING SIGNS AND WATER FILLED BARRIER ACCORDINGLY TO TEMPORARILY CLOSE US 301 BETWEEN THE LOOPS OF I-95.
- STEP 3: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.02 AND 1101.04, PLACE SIGNS ACCORDINGLY FOR A TEMPORARY LANE OR SHOULDER CLOSURE ON SOUTHBOUND I-95.
- STEP 4: RAISE BRIDGE OVER THE SOUTHBOUND SIDE OF I-95.
- STEP 5: KEEPING US 301 BRIDGE DETOUR IN PLACE, REMOVE ALL TRAFFIC WARNING SIGNS AND DRUMS FOR THE TEMPORARY LANE /SHOULDER CLOSURE ON SOUTHBOUND I-95.

### PHASE 5

- STEP 1: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.02 AND 1101.04, PLACE SIGNS ACCORDINGLY FOR A TEMPORARY LANE OR SHOULDER CLOSURE ON NORTHBOUND I-95.
- STEP 2: COMPLETE RAISING THE US 301 BRIDGE OVER NORTHBOUND I-95 AND COMPLETE APPROACH WORK, INCLUDING GRADING, PAVING, AND GUARDRAIL UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 3: KEEPING US 301 BRIDGE DETOUR IN PLACE, REMOVE ALL TRAFFIC WARNING SIGNS AND DRUMS ON NORTHBOUND I-95. RETURN I-95 TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.
- STEP 4: COMPLETE THE ROADWAY APPROACH USING NCDOT ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 9) AS NECESSARY.
- STEP 5: REMOVE ALL WARNING SIGNS AND TRAFFIC CONTROL DEVICES ON US 301 AND RETURN TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.

## ROBESON COUNTY - BRIDGE 100

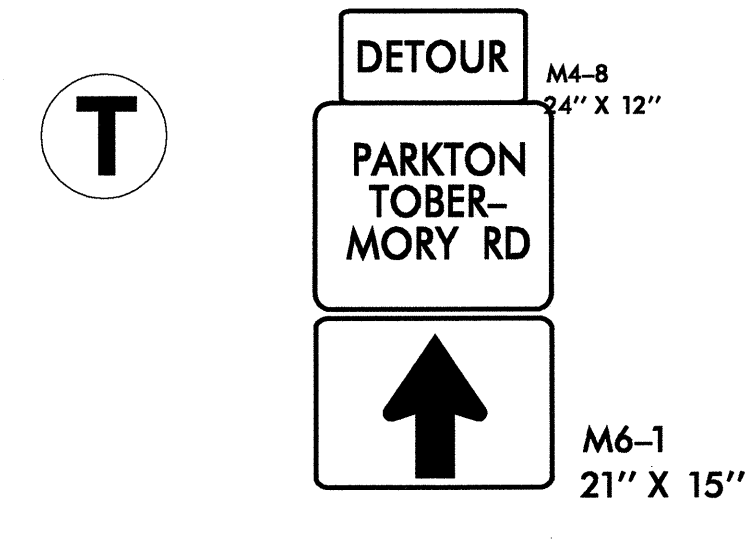
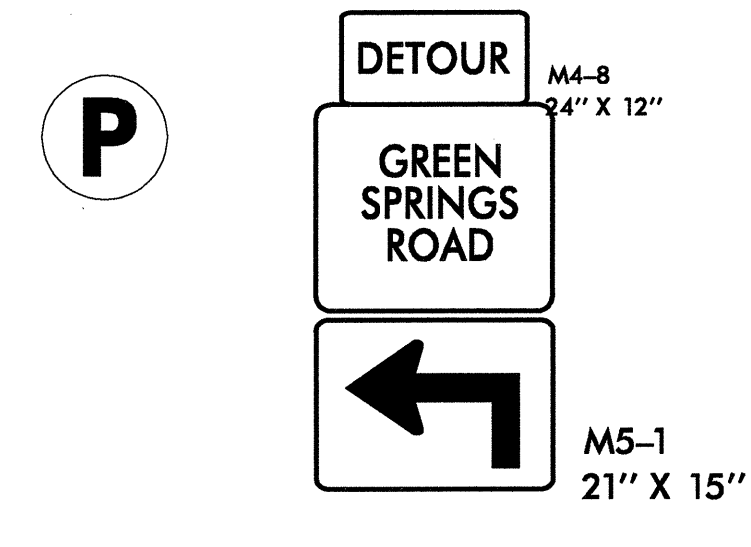
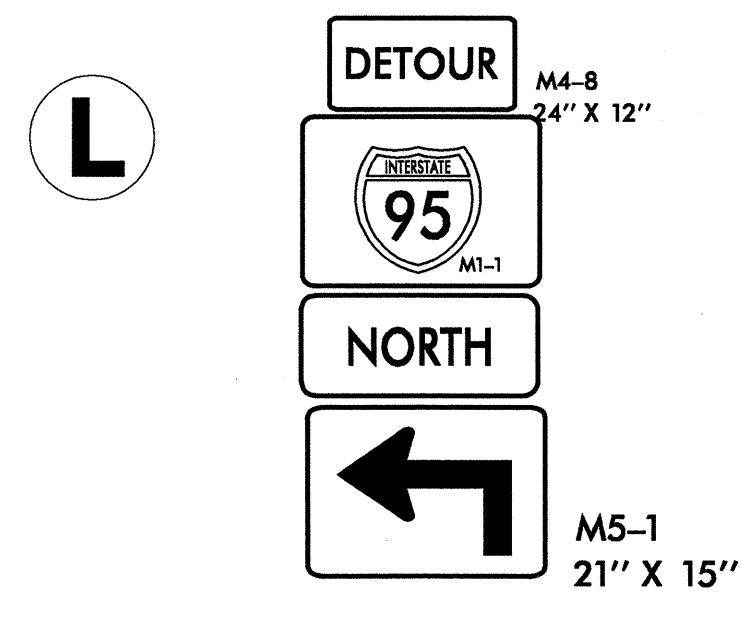
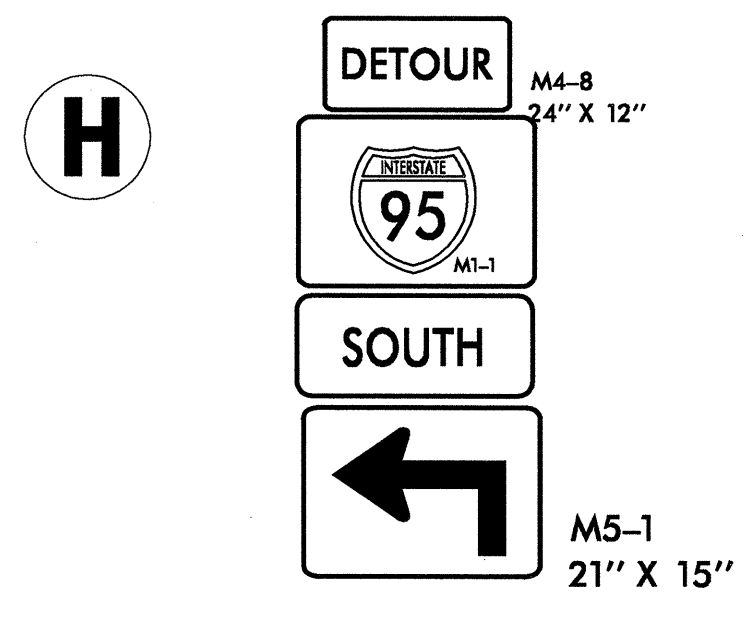
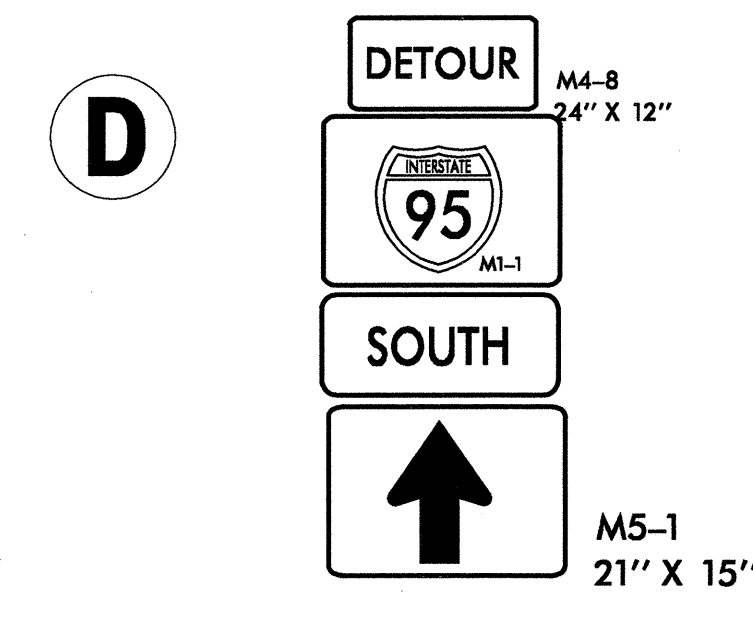
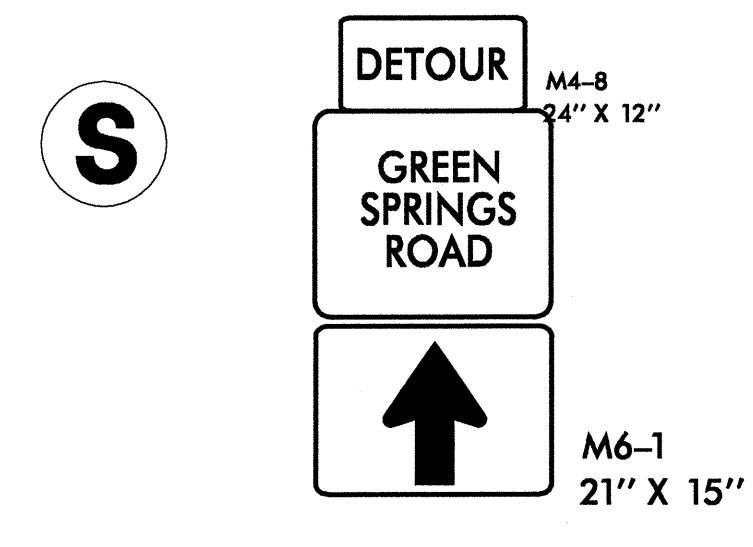
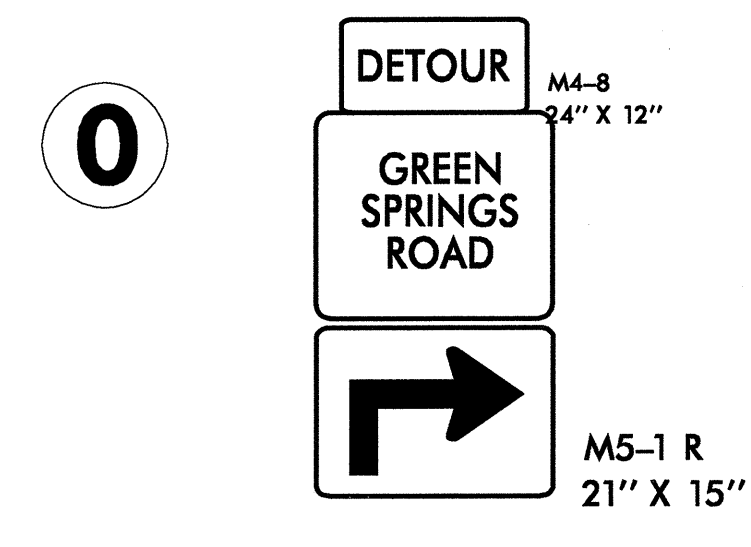
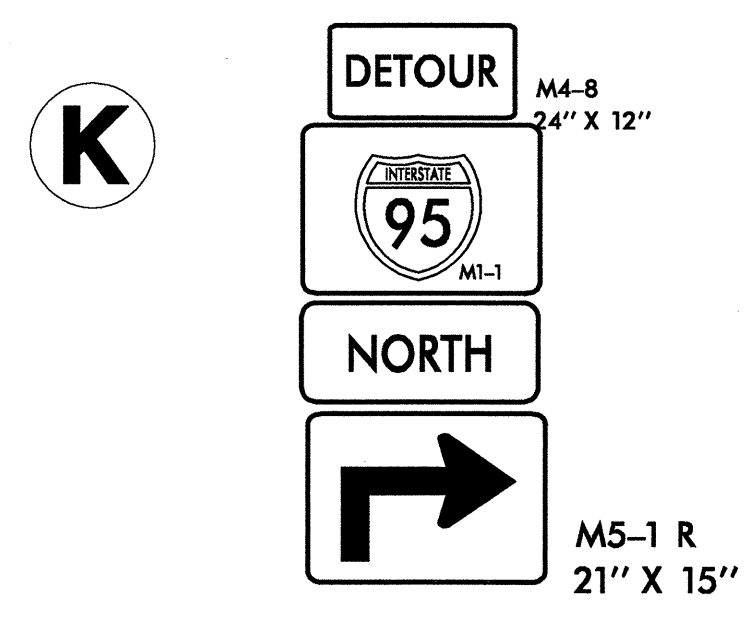
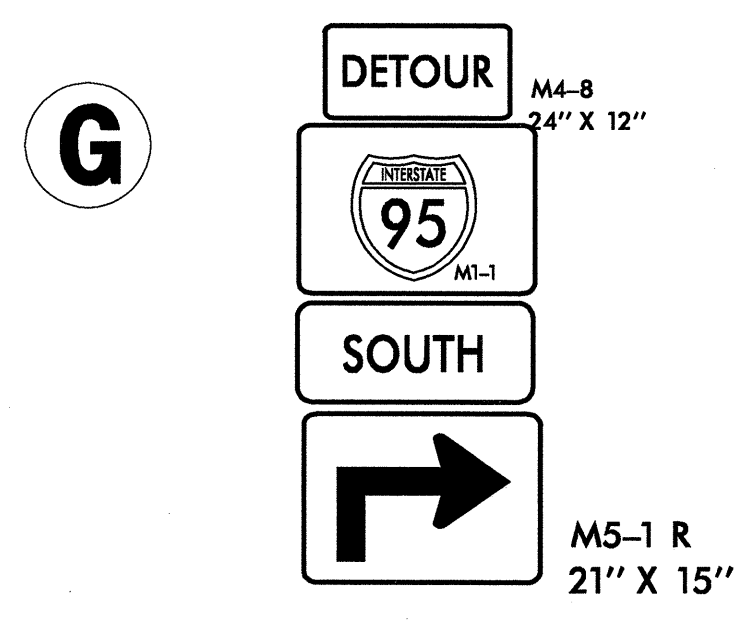
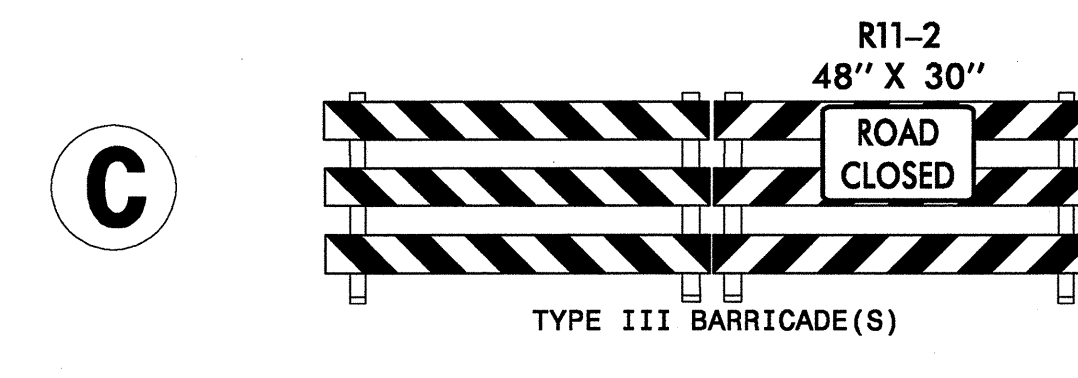
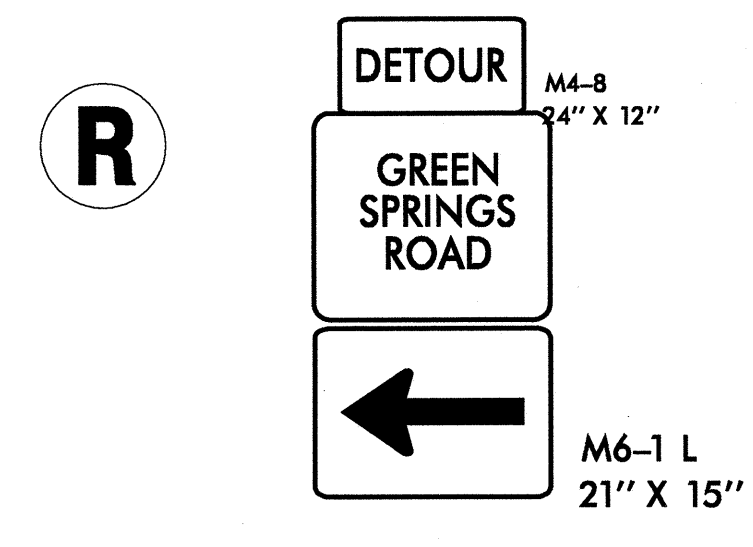
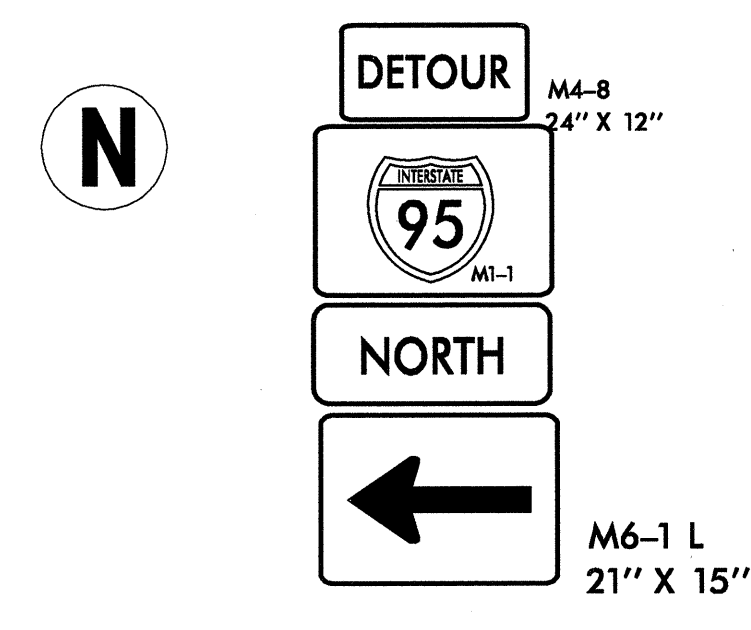
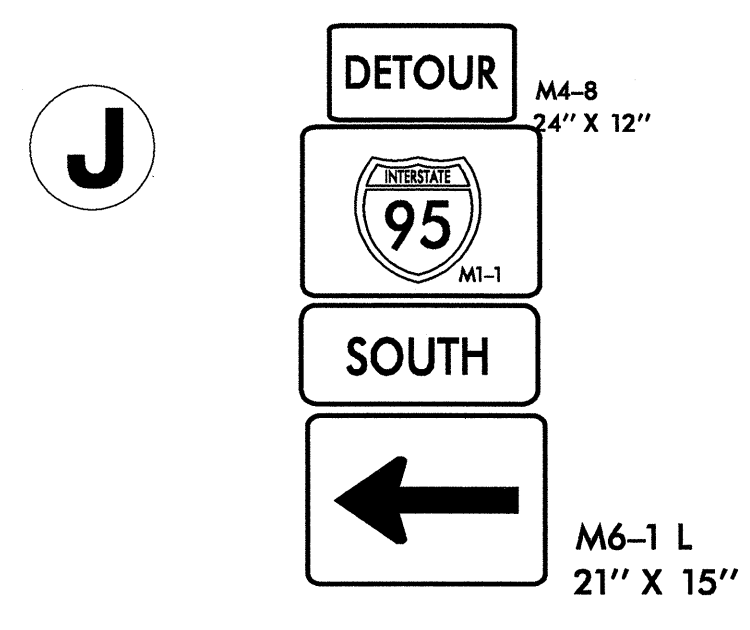
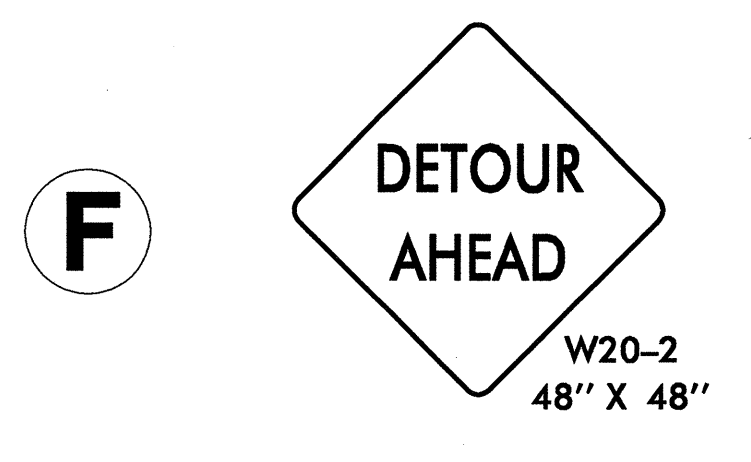
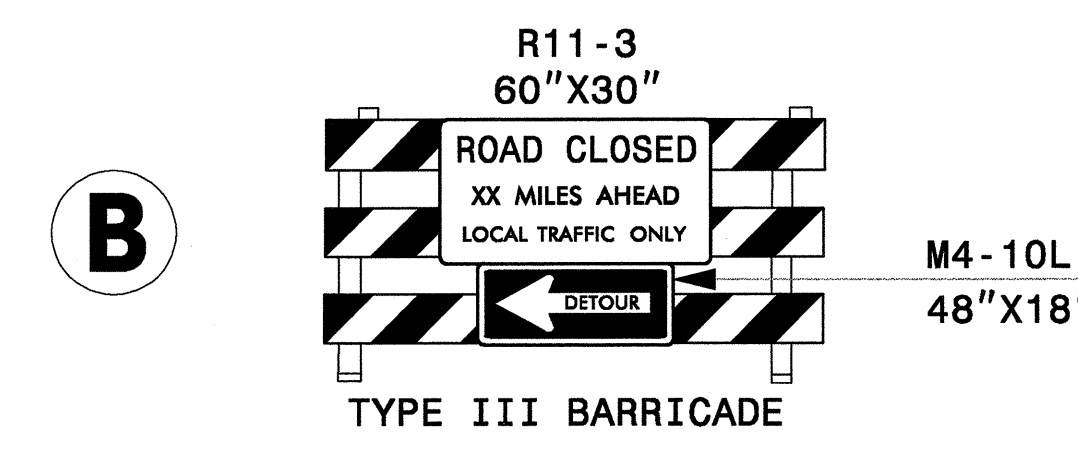
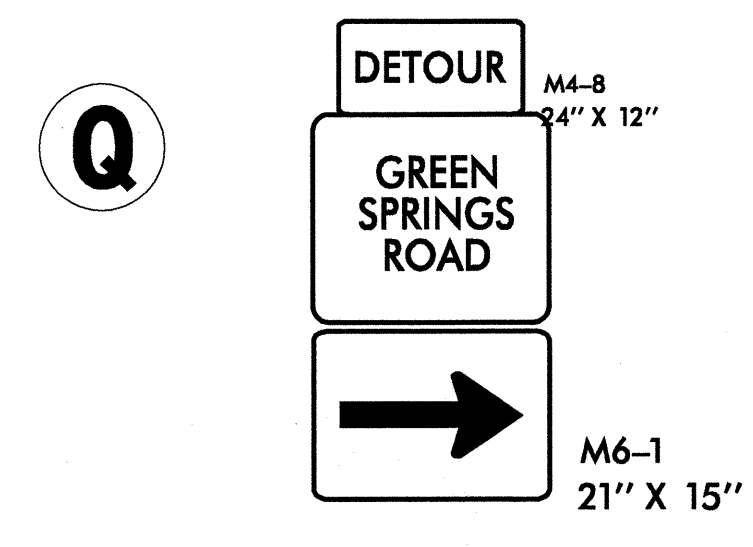
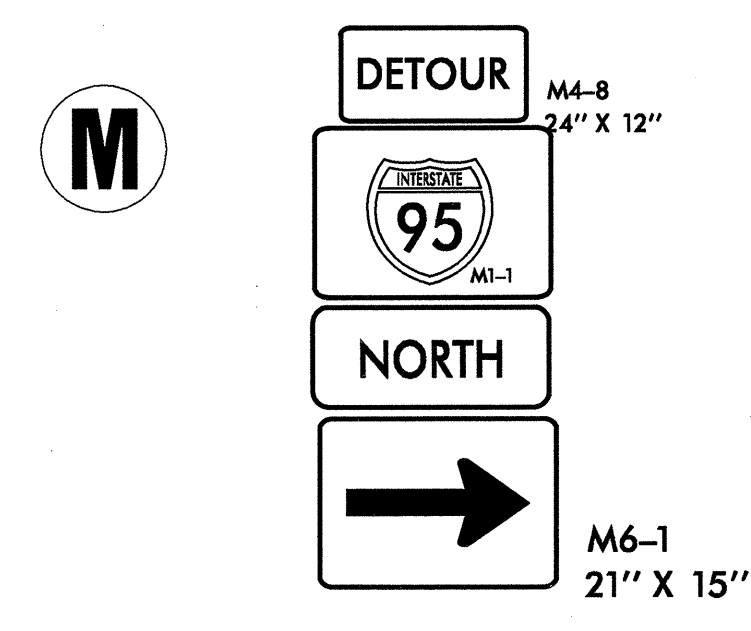
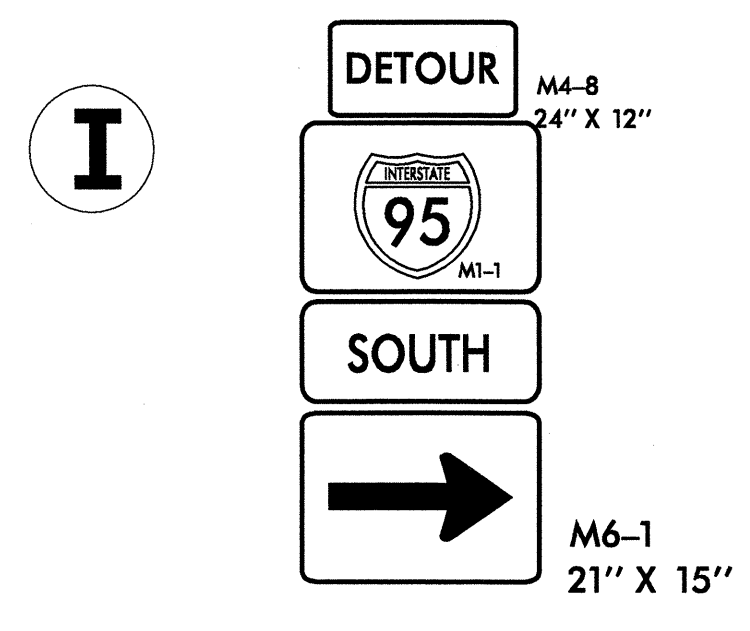
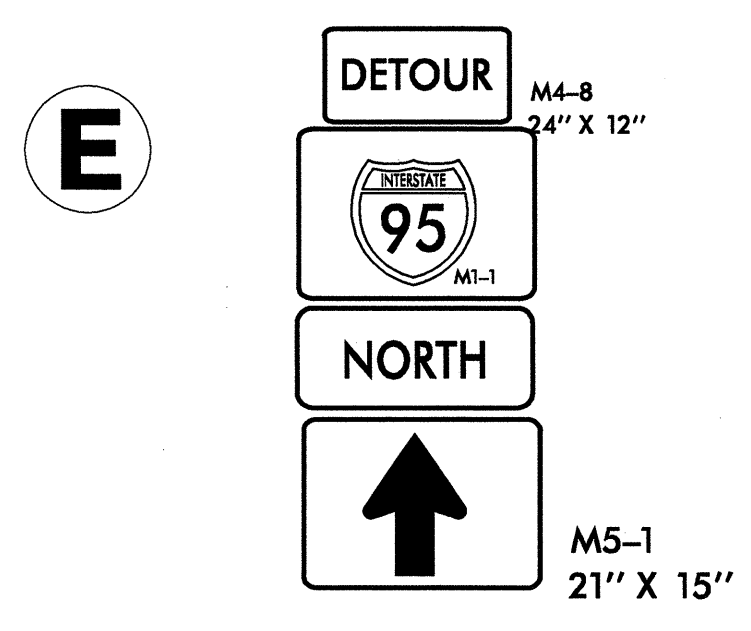
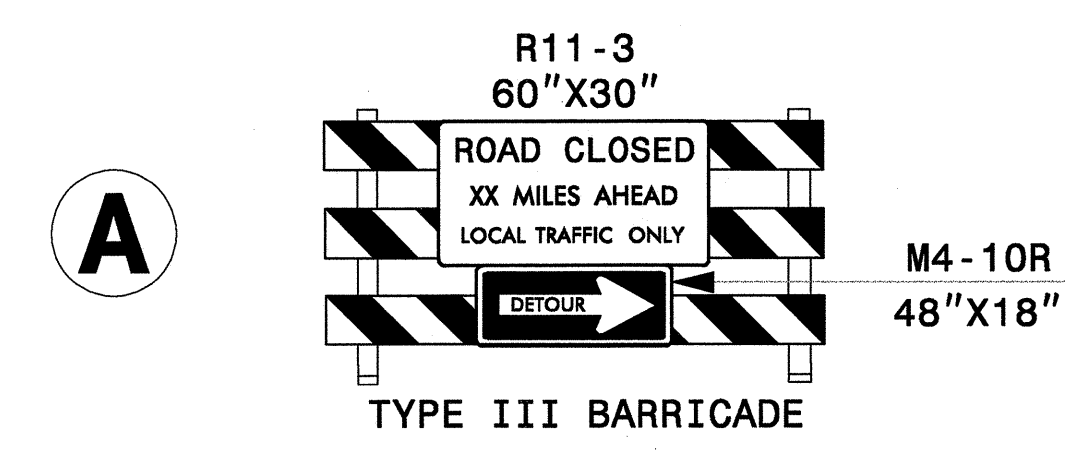
INTERMEDIATE CONTRACT TIME NUMBER 3: COMPLETE THE WORK REQUIRED OF PHASE 6, STEP 2 TO PHASE 7, STEP 5 IN 90 CONSECUTIVE CALENDAR DAYS. (SEE SPECIAL PROVISIONS, INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES)

### PHASE 6

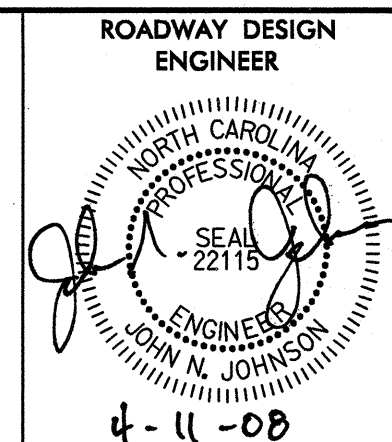
- STEP 1: USE DETAIL F1-F2 FOR THE OFFSITE DETOUR FOR THE US 301 BRIDGE. PLACE DETOUR SIGNING ALONG US 301, MCRAINEY ROAD (SR 1726), AND EVANS ROAD (SR 1912). COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR OPERATION. PLACE VARIABLE MESSAGE BOARD 14 DAYS PRIOR TO OPENIN DETOUR.
- STEP 2: UNCOVER THE SIGNS FOR THE TEMPORARY DETOUR. USING NCDOT ROADWAY STANDARD DRAWINGS 1101.03 (SHEET 2 OF 9) AND DETAIL F1-F2, PLACE WARNING SIGNS AND WATER FILLED BARRIER ACCORDINGLY TO TEMPORARILY CLOSE US 301 BETWEEN THE RAMP TERMINALS OF I-95.
- STEP 3: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.02 AND 1101.04, PLACE SIGNS ACCORDINGLY FOR A TEMPORARY LANE OR SHOULDER CLOSURE ON SOUTHBOUND I-95.
- STEP 4: RAISE BRIDGE ON THE SOUTHBOUND SIDE OF I-95.
- STEP 5: KEEPING US 301 BRIDGE DETOUR IN PLACE, REMOVE ALL TRAFFIC WARNING SIGNS AND DRUMS FOR THE TEMPORARY LANE /SHOULDER CLOSURE ON SOUTHBOUND I-95.

### PHASE 7

- STEP 1: USING NCDOT ROADWAY STANDARD DRAWINGS 1101.02 AND 1101.04, PLACE SIGNS ACCORDINGLY FOR A TEMPORARY LANE OR SHOULDER CLOSURE ON NORTHBOUND I-95.
- STEP 2: COMPLETE RAISING THE US 301 BRIDGE OVER THE NORTHBOUND SIDE OF I-95 AND COMPLETE APPROACH WORK, INCLUDING GRADING, PAVING, AND GUARDRAIL UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 3: KEEPING US 301 ROAD BRIDGE DETOUR IN PLACE, REMOVE ALL TRAFFIC WARNING SIGNS AND DRUMS ON NORTHBOUND I-95. RETURN TRAFFIC TO ITS NORMAL TRAFFIC PATTERN ON I-95.
- STEP 4: COMPLETE THE ROADWAY APPROACH USING NCDOT ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 9) AS NECESSARY.
- STEP 5: REMOVE ALL WARNING SIGNS AND TRAFFIC CONTROL DEVICES ON US 301 AND RETURN TRAFFIC TO ITS NORMAL TRAFFIC PATTERN.



04/11/2008 11:25:13 AM C:\Users\jw\Documents\Projects\B5021\Traffic Control\Phasing\B5021\Traffic Signs\Notes\TSH\5021\_TCP\_DETOUTR\_SIGNSDGN



**U**

DETOUR M4-8  
24" X 12"  
PARKTON  
TOBER-  
MORY RD  
M5-1 R  
21" X 15"

**Y**

DETOUR M4-8  
24" X 12"  
MCRAINEY  
ROAD  
M6-1  
21" X 15"

**CC**

DETOUR M4-8  
24" X 12"  
MCRAINEY  
ROAD  
M6-1 L  
21" X 15"

**GG**

DETOUR M4-8  
24" X 12"  
301  
M6-1 L  
21" X 15"

**KK**

DETOUR M4-8  
24" X 12"  
301  
M5-1  
21" X 15"

**V**

DETOUR M4-8  
24" X 12"  
PARKTON  
TOBER-  
MORY RD  
M5-1  
21" X 15"

**Z**

DETOUR M4-8  
24" X 12"  
MCRAINEY  
ROAD  
M5-1 R  
21" X 15"

**DD**

DETOUR M4-8  
24" X 12"  
301  
M5-1 R  
21" X 15"

**HH**

DETOUR M4-8  
24" X 12"  
301  
M6-1  
21" X 15"

**LL**

DETOUR M4-8  
24" X 12"  
301  
M6-1  
21" X 15"

**W**

DETOUR M4-8  
24" X 12"  
PARKTON  
TOBER-  
MORY RD  
M6-1  
21" X 15"

**AA**

DETOUR M4-8  
24" X 12"  
MCRAINEY  
ROAD  
M5-1  
21" X 15"

**EE**

DETOUR M4-8  
24" X 12"  
301  
M5-1  
21" X 15"

**II**

DETOUR M4-8  
24" X 12"  
301  
M6-1 L  
21" X 15"

**MM**

DETOUR M4-8  
24" X 12"  
301  
M6-1 L  
21" X 15"

**X**

DETOUR M4-8  
24" X 12"  
PARKTON  
TOBER-  
MORY RD  
M6-1 L  
21" X 15"

**BB**

DETOUR M4-8  
24" X 12"  
MCRAINEY  
ROAD  
M6-1  
21" X 15"

**FF**

DETOUR M4-8  
24" X 12"  
301  
M6-1  
21" X 15"

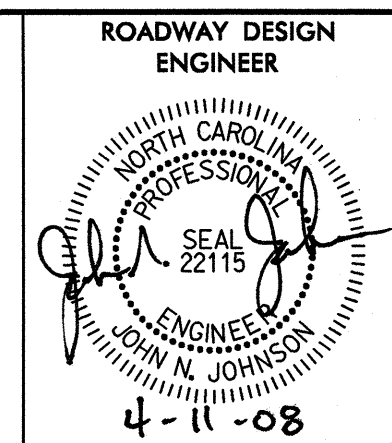
**JJ**

DETOUR M4-8  
24" X 12"  
301  
M5-1 R  
21" X 15"

**NN**

DETOUR M4-8  
24" X 12"  
301  
M6-1  
21" X 15"

04/11/2008 13:44:48 b5021\Traffic Control\B5021.TCP\_SIGNS\_NOTES\_TSH\B5021.TCP\_DETOUTR\_SIGNS.dgn



**OO**

DETOUR M4-8  
POWERSVILLE ROAD 24" X 12"

M5-1 R  
21" X 15"

**SS**

DETOUR M4-8  
POWERSVILLE ROAD 24" X 12"

M6-1  
21" X 15"

**PP**

DETOUR M4-8  
POWERSVILLE ROAD 24" X 12"

M5-1  
21" X 15"

**QQ**

DETOUR M4-8  
POWERSVILLE ROAD 24" X 12"

M6-1  
21" X 15"

**RR**

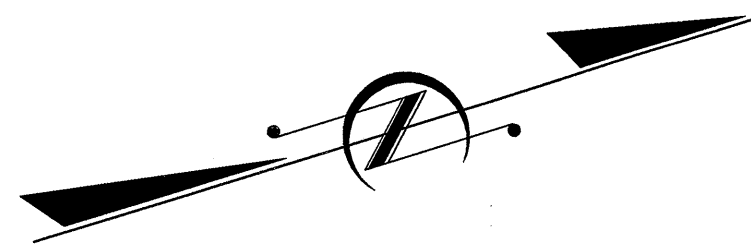
DETOUR M4-8  
POWERSVILLE ROAD 24" X 12"

M6-1 L  
21" X 15"

04/11/2008 13:48:50 21\Traffic Control\Phasing\B5021.TCP\SIGNS\_NOTES\_TSH\5021.TCP\_DETOUR\_SIGNS.dgn  
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# I-95 SOUTHBOUND OVERVIEW DETAIL



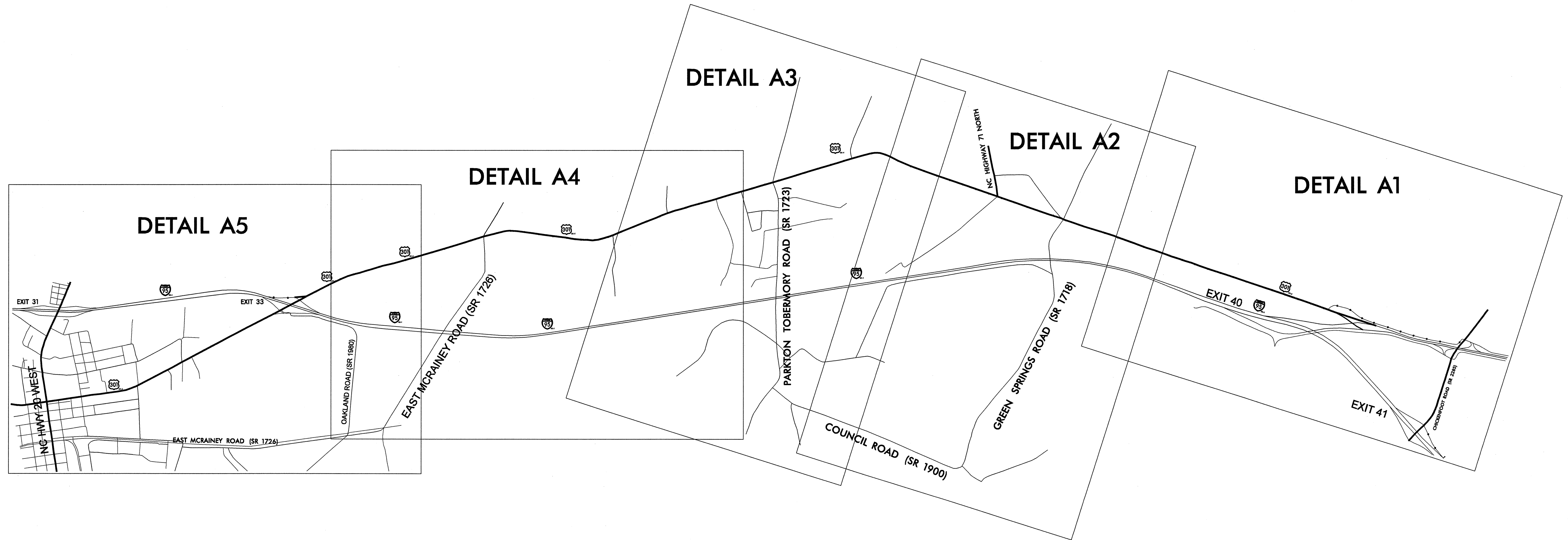
ROADWAY DESIGN  
ENGINEER

SEAL  
22115  
ENGINEER  
JOHN N. JOHNSON  
4-11-08

SHEET NO. TCP-9

STV/Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

500 0 500 1000



04/11/2008  
C:\pfo\12521\13448\55021\Traffic Control\Phasing\55021.TCP\SOOUTHBOUND I-95\I-95 SB OVERVIEW.dgn

# DETAIL A1

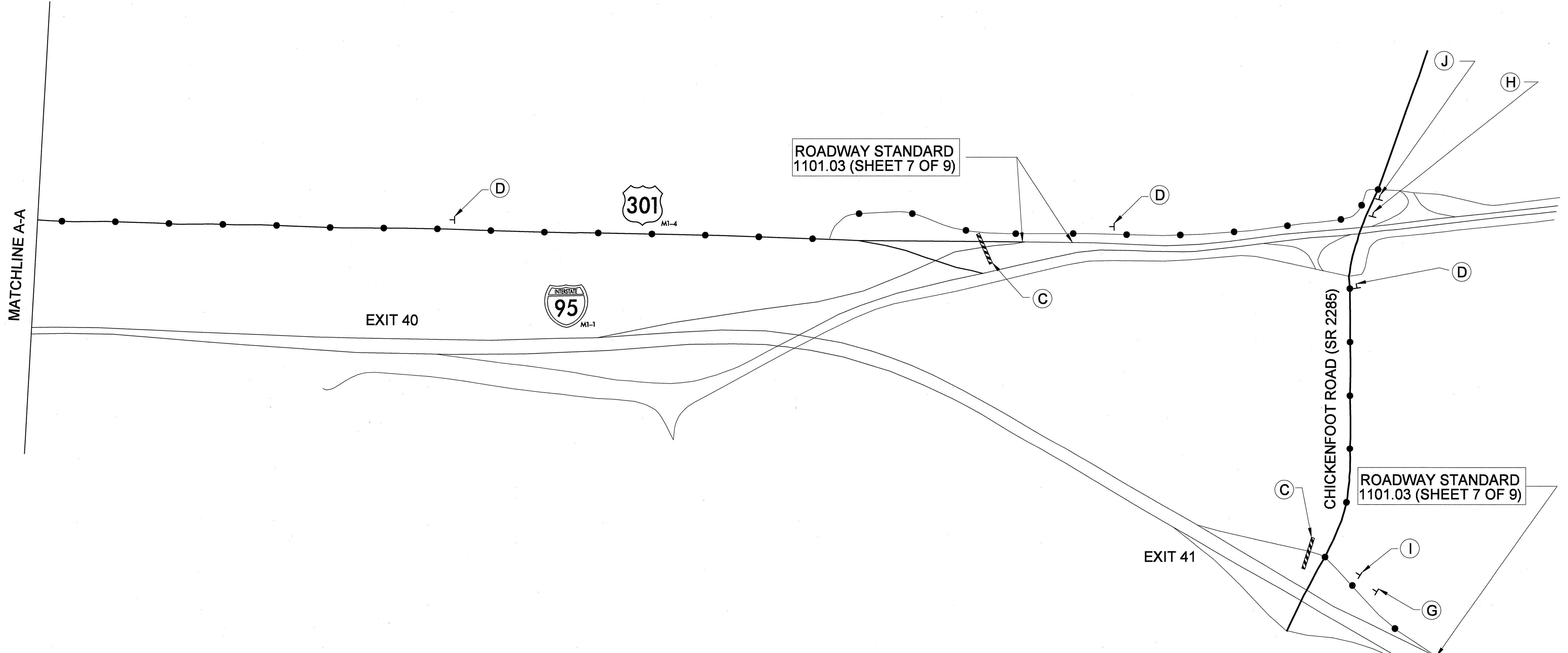
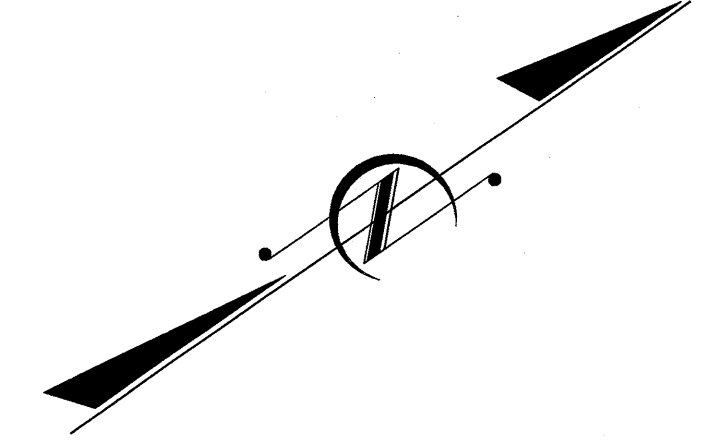
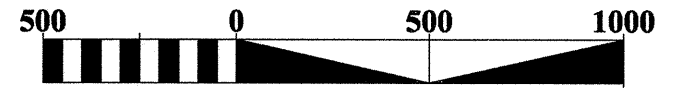
ROADWAY DESIGN  
ENGINEER  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
SEAL  
22115  
JOHN N. JOHNSON  
4-11-08

SHEET NO. TCP-10

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

**LEGEND**

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



04/11/2008 13:48:50 21\Traffic Control\Phasing\B5021.TCP\Southbound I-95\A1.dgn  
CP:PK:G:\aves

# DETAIL A2

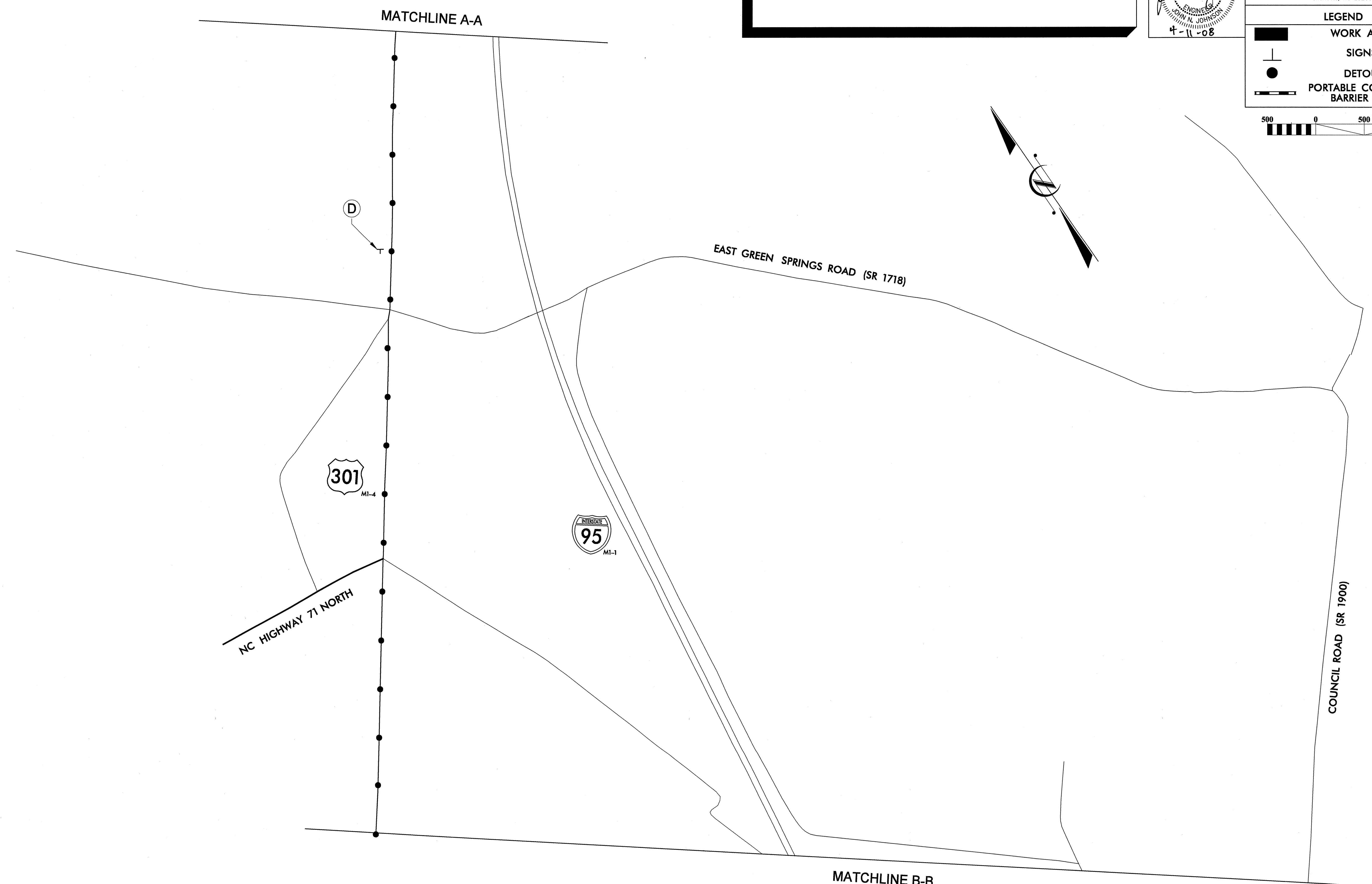
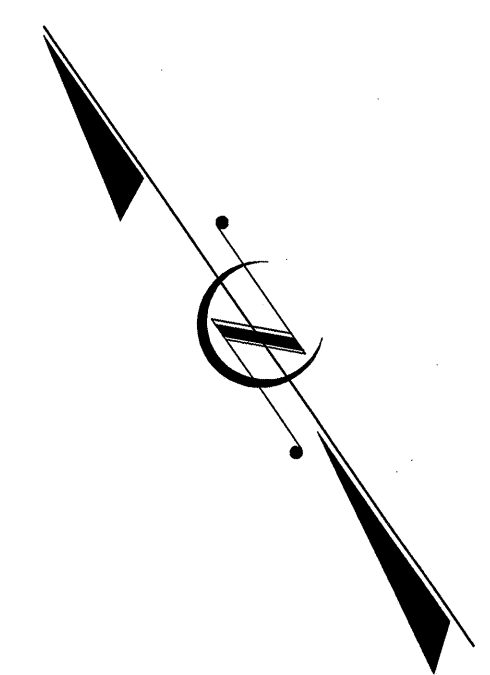
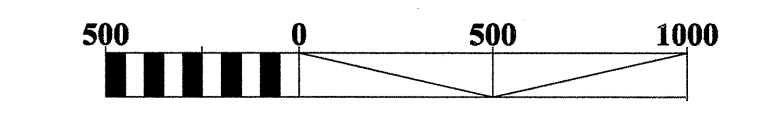
ROADWAY DESIGN  
ENGINEER  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
22115  
ENGINEER  
JOHN N. JOHNSON  
4-11-08

SHEET NO. TCP-11

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

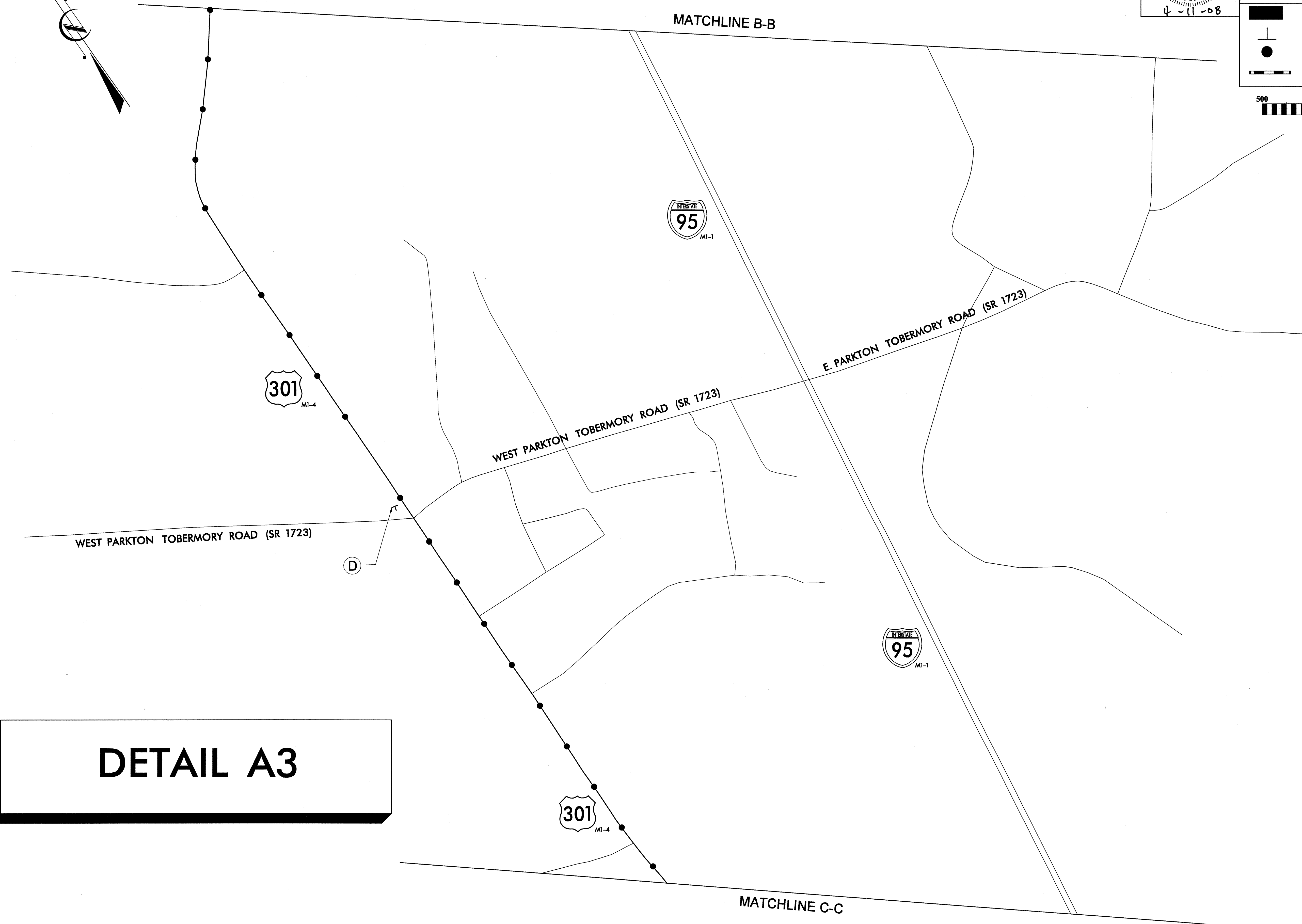
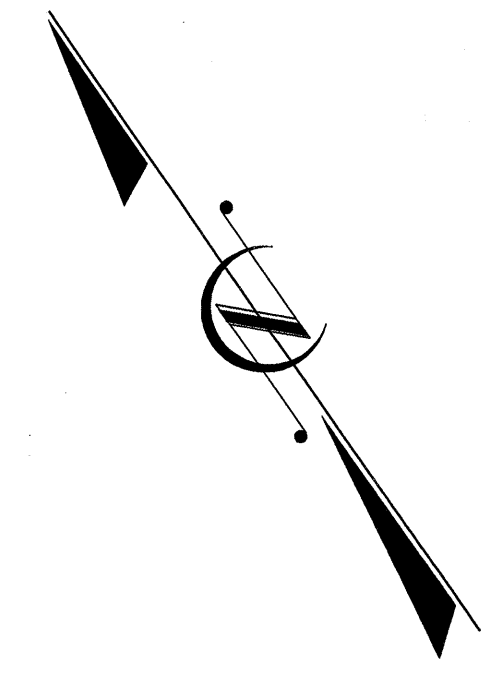
**LEGEND**

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



04/11/2008 05:12:48 \\b5021\Traffic Control Phasing\B5021\TCP\Southbound T-95\A2.dgn  
C:\p\work

ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-12
	STV / Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	<b>WORK AREA</b>	
	<b>SIGNS</b>	
	<b>DETOUR</b>	
	<b>PORTABLE CONCRETE BARRIER (PCB)</b>	

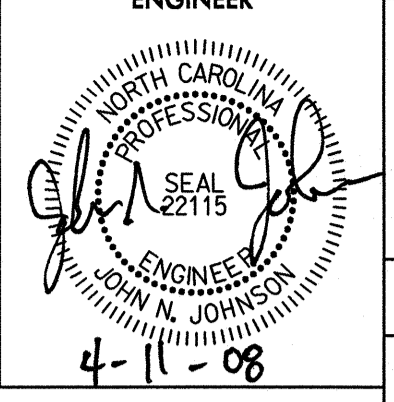


04/11/2008  
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 02/11/2008  
 01:\Proc\2513448\B5021.Traffic Control Phasing\B5021.TCP\SOUTHBOUND I-95\A3.dgn  
 02/11/2008

# DETAIL A4

ROADWAY DESIGN ENGINEER

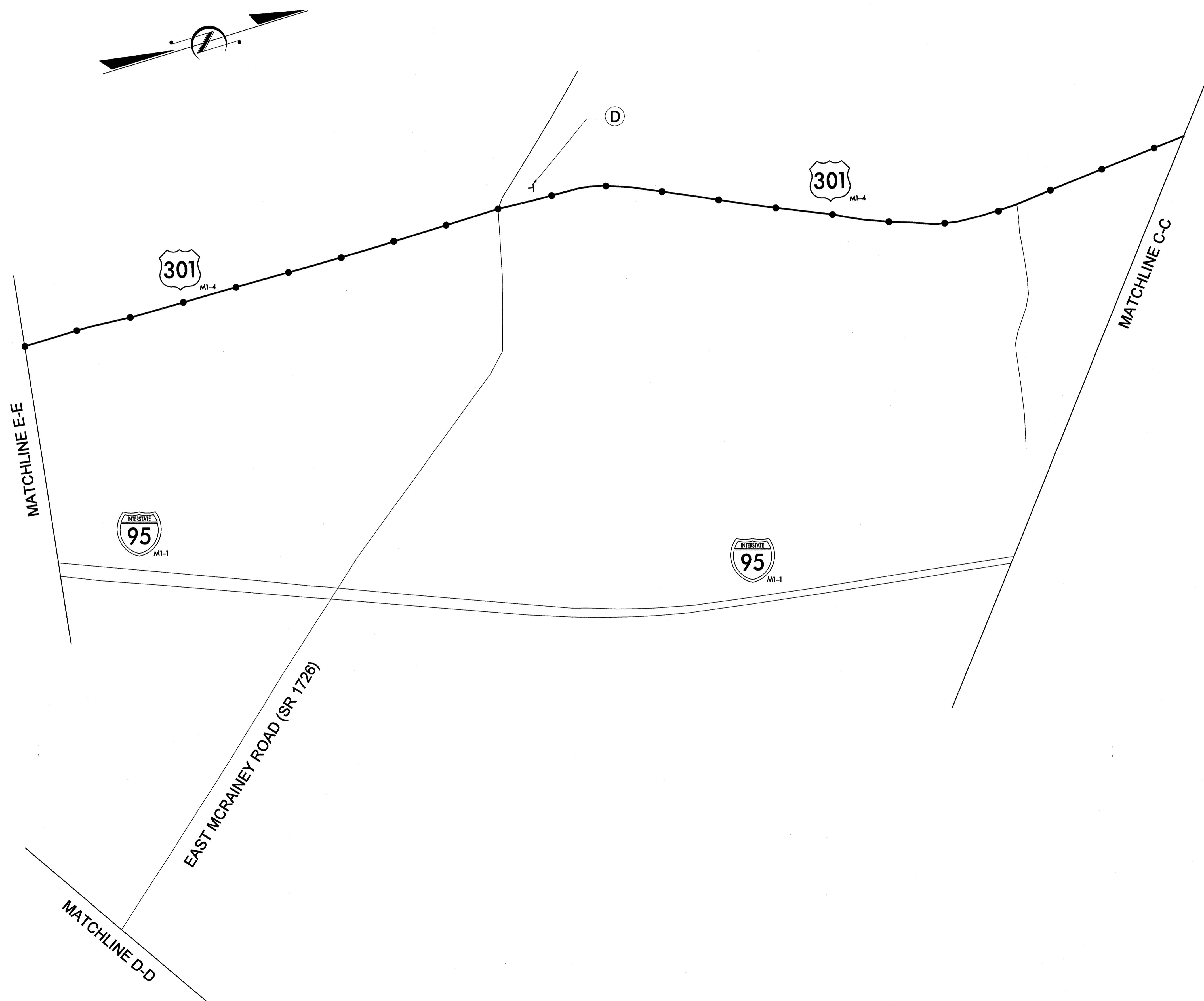
SHEET NO. TCP-13



STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

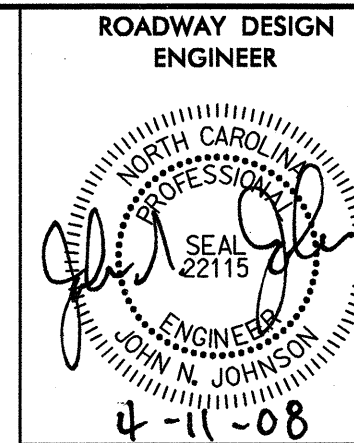
**LEGEND**

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



04/11/2008  
C:\p\p\proj\2513448\55021\Traffic Control\Phasing\B55021.TCP\SouthBOUND I-95\A4.dgn

# DETAIL A5

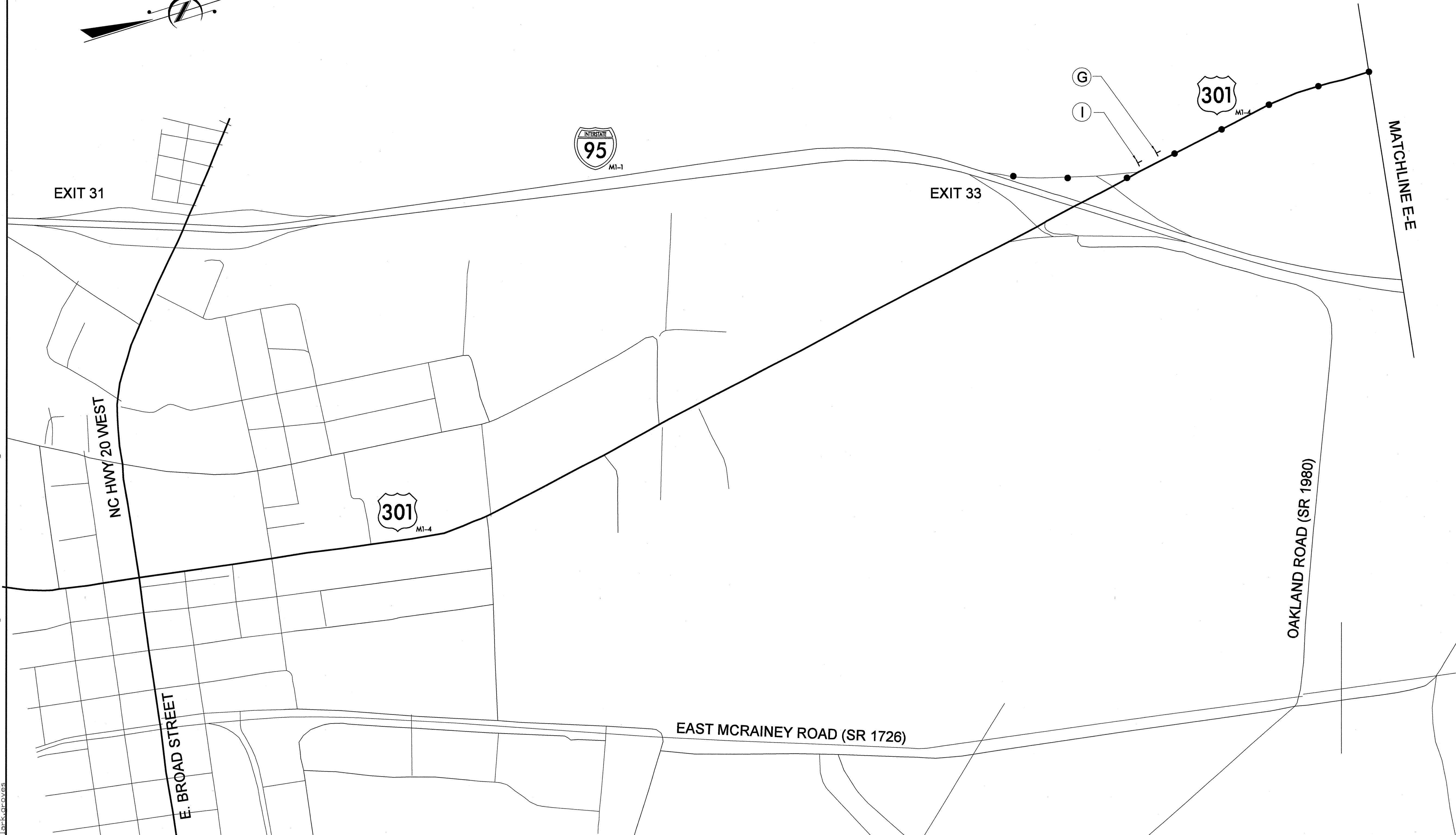
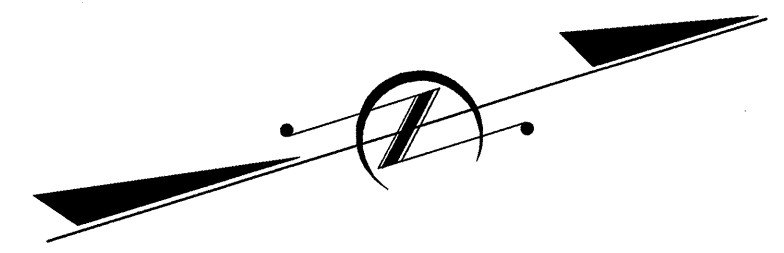
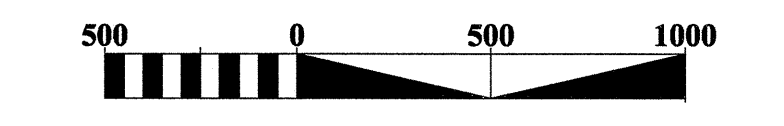


SHEET NO. TCP-14

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

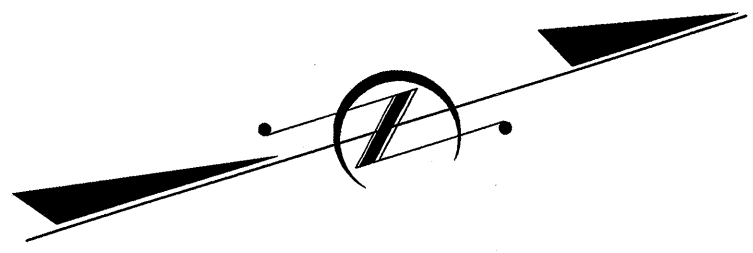
**LEGEND**

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



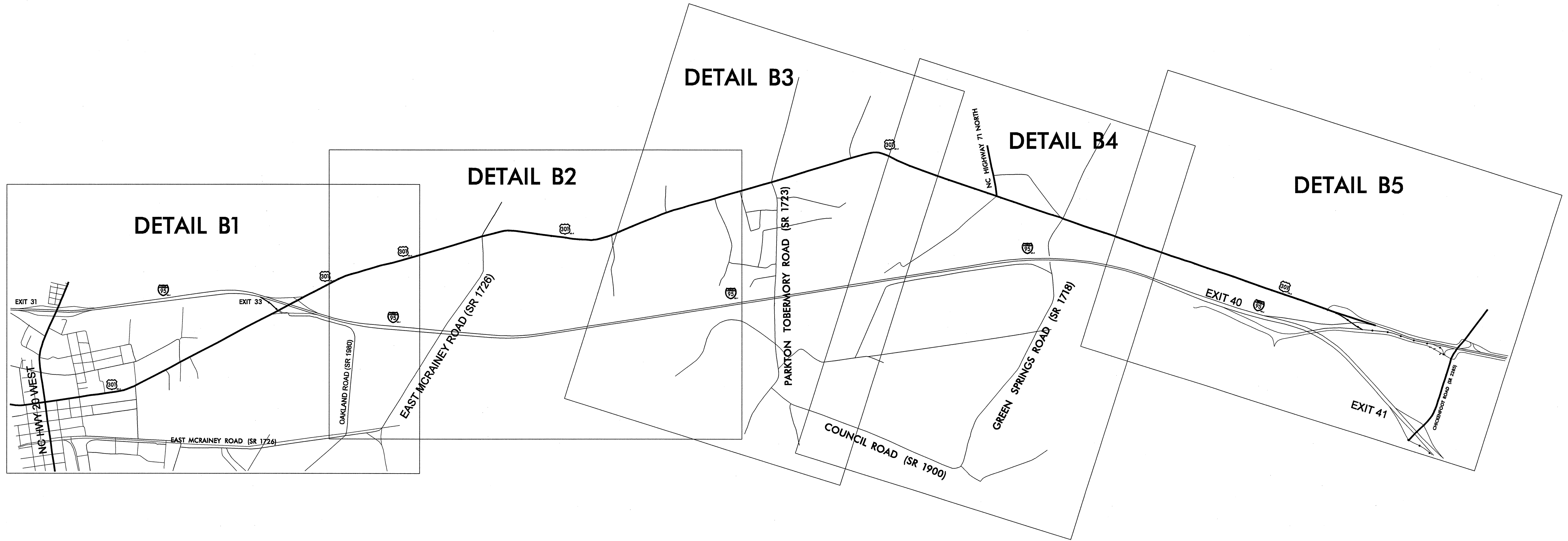
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# I-95 NORTHBOUND OVERVIEW DETAIL

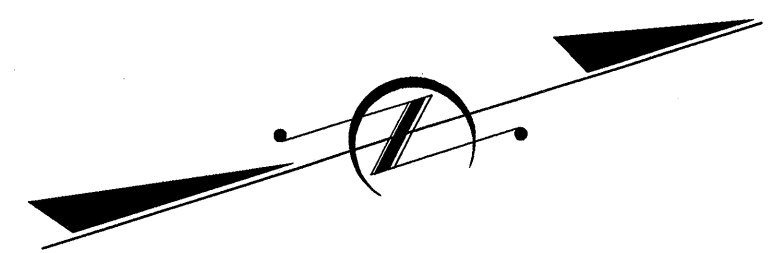


ROADWAY DESIGN  
ENGINEER  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
22115  
ENGINEER  
JOHN N. JOHNSON  
4-11-08

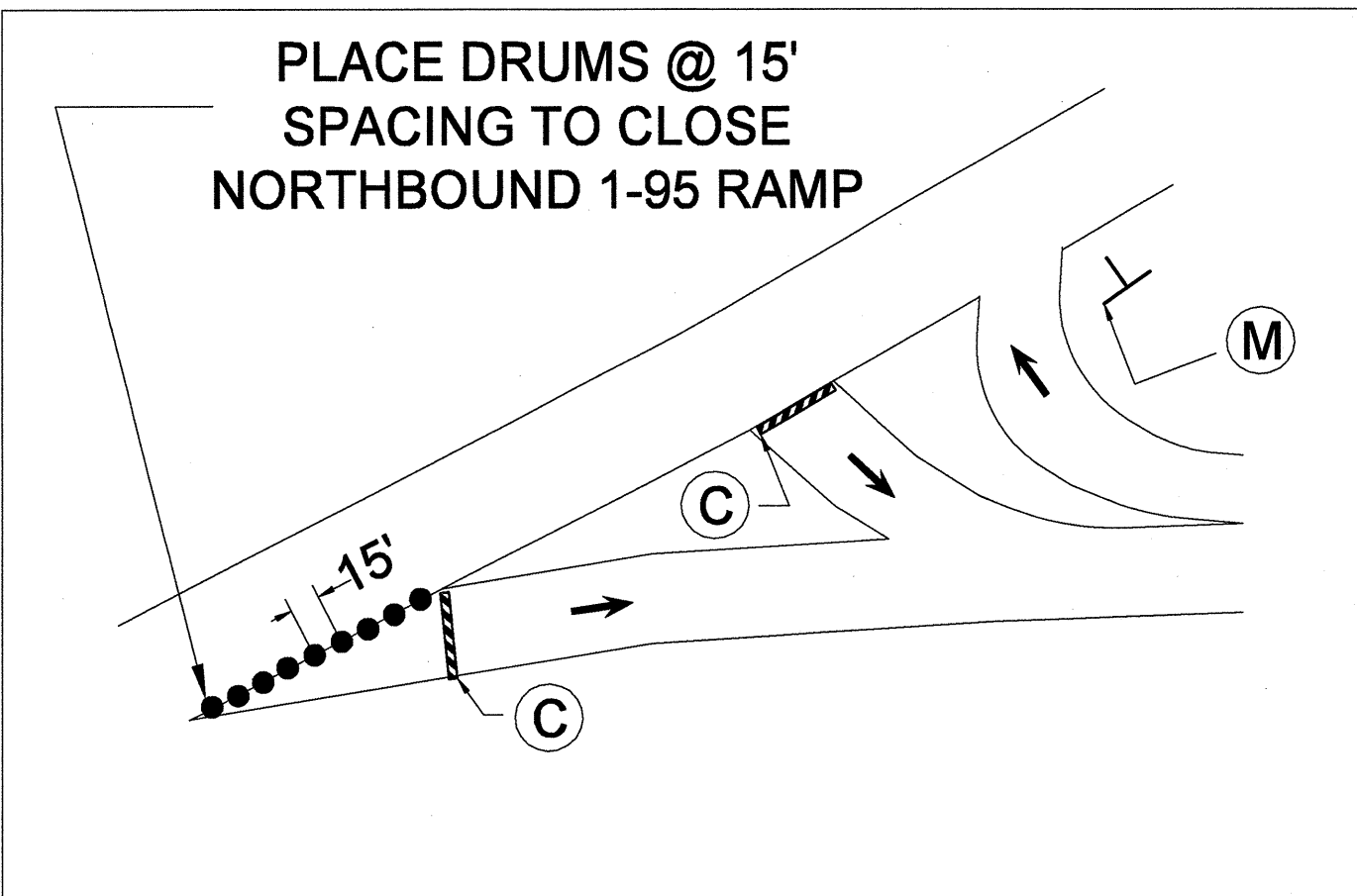
SHEET NO. TCP-15  
STV/Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208  
500 0 500 1000



04/11/2008  
C:\p\proj\2008\134448\55021\Traffic\Contr\ol\Phasing\B5021.TCP\NORTHBOUND\_I-95\I-95\_NB\_OVERVIEW.dgn



# DETAIL B1



ROADWAY DESIGN ENGINEER

SHEET NO. TCP-16

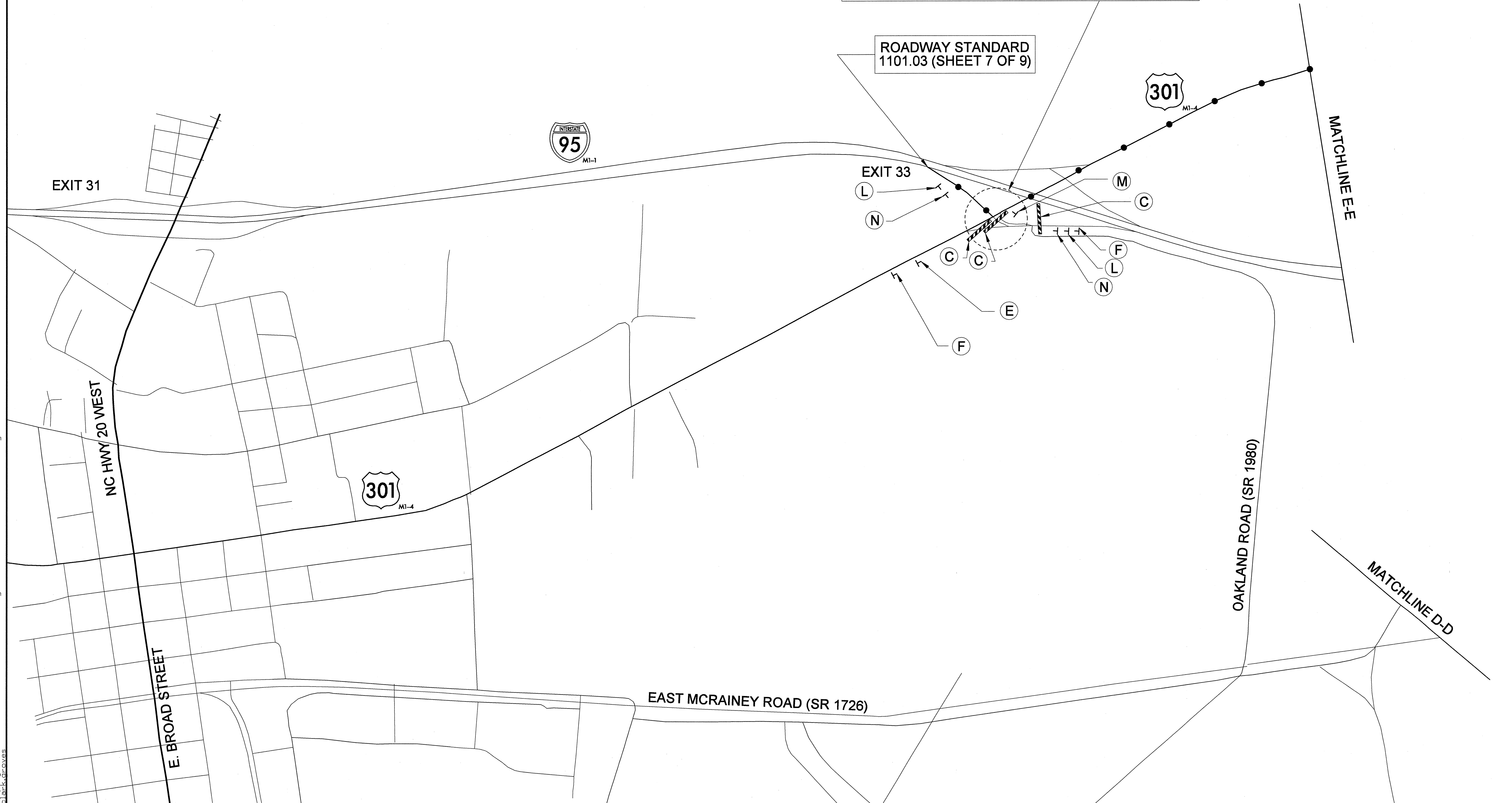
STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

LEGEND

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)

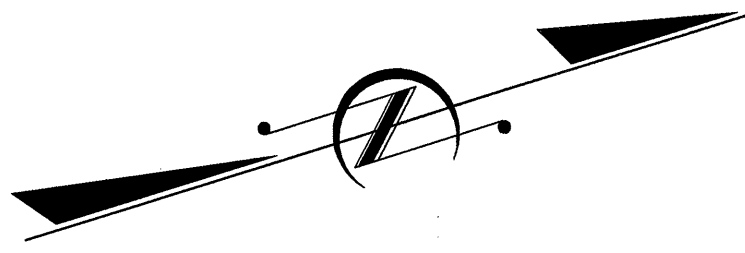
500 0 500 1000

04/11/2008  
21\Traffic Control Phasing\B5021.TCP\NORTHBOUND I-95\B1.dgn  
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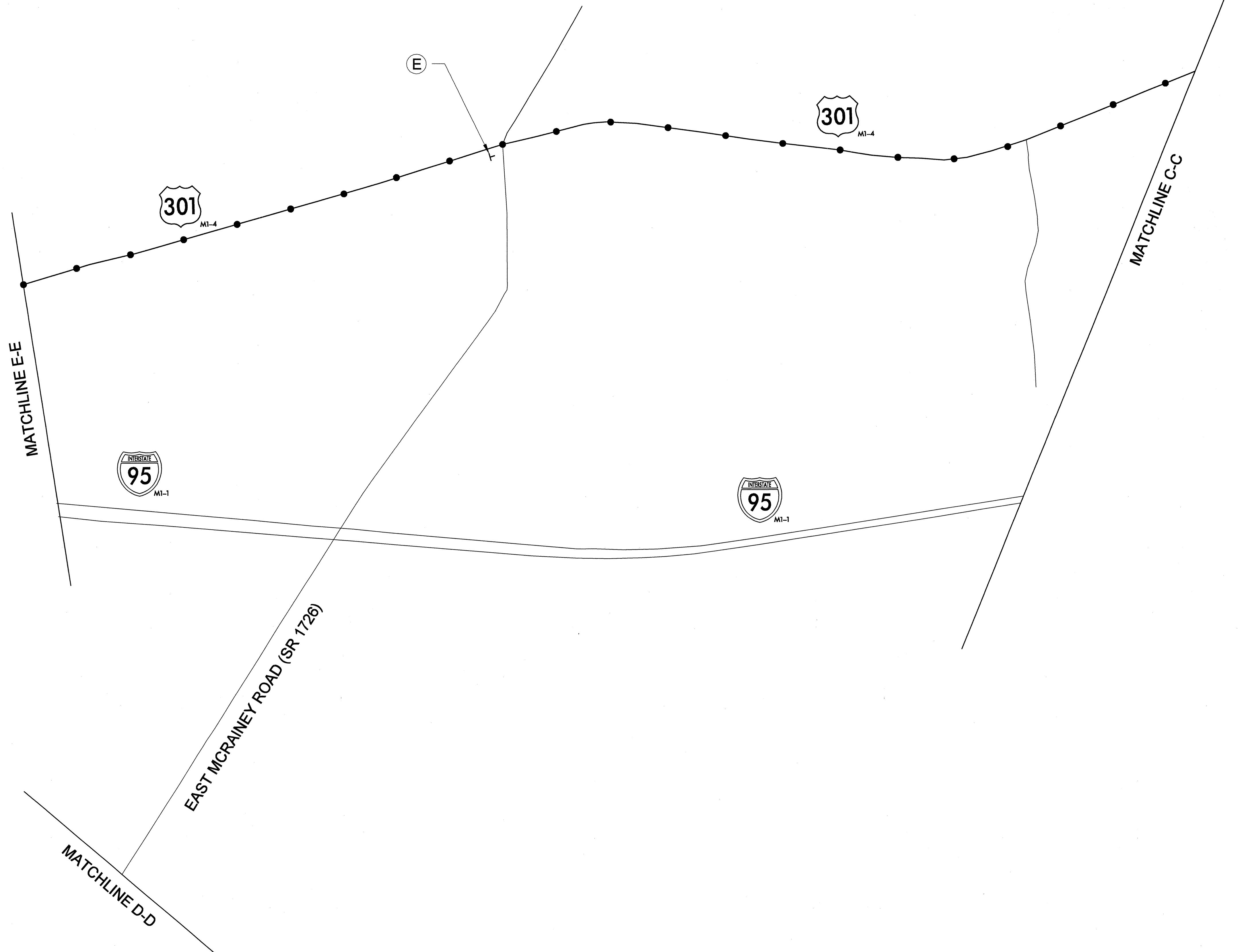




# DETAIL B2

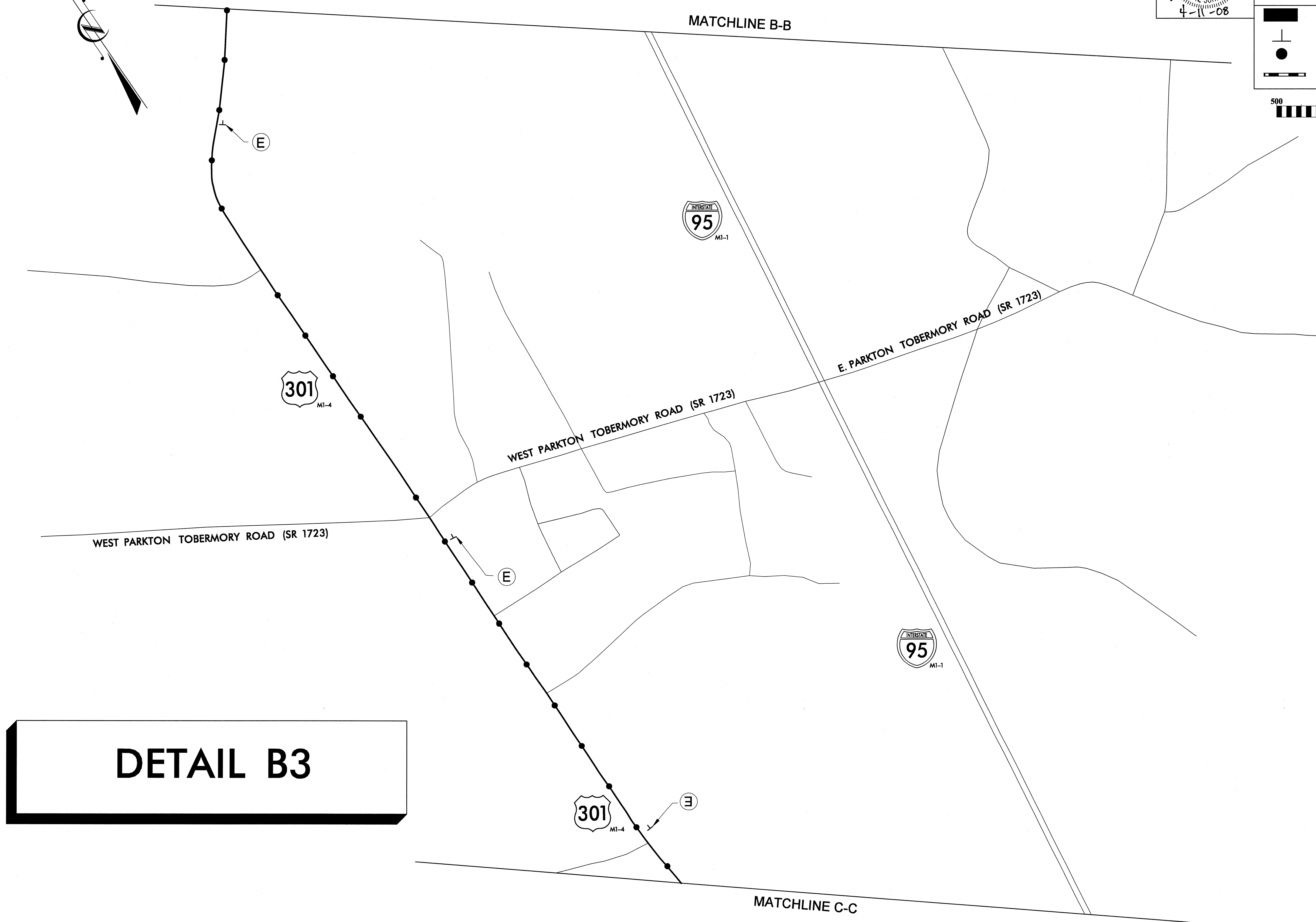
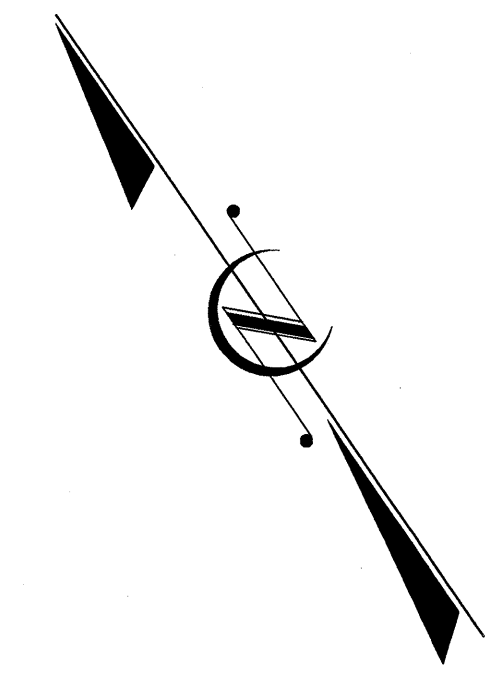
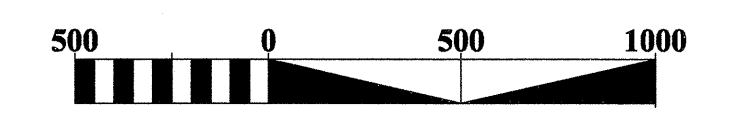


ROADWAY DESIGN ENGINEER	SHEET NO. TCP-17
STV/Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>	
	WORK AREA
	SIGNS
	DETOUR
	PORTABLE CONCRETE BARRIER (PCB)



04/11/2008  
C:\p\p\13448\55021\Traffic Control\Phasing\B5021.TCP\NORTHBOUND I-95\B2.dgn  
C:\p\p\13448\55021\Traffic Control\Phasing\B5021.TCP\NORTHBOUND I-95\B2.dgn

ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-18
	STV/Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	<b>WORK AREA</b>	
	<b>SIGNS</b>	
	<b>DETOUR</b>	
	<b>PORTABLE CONCRETE BARRIER (PCB)</b>	

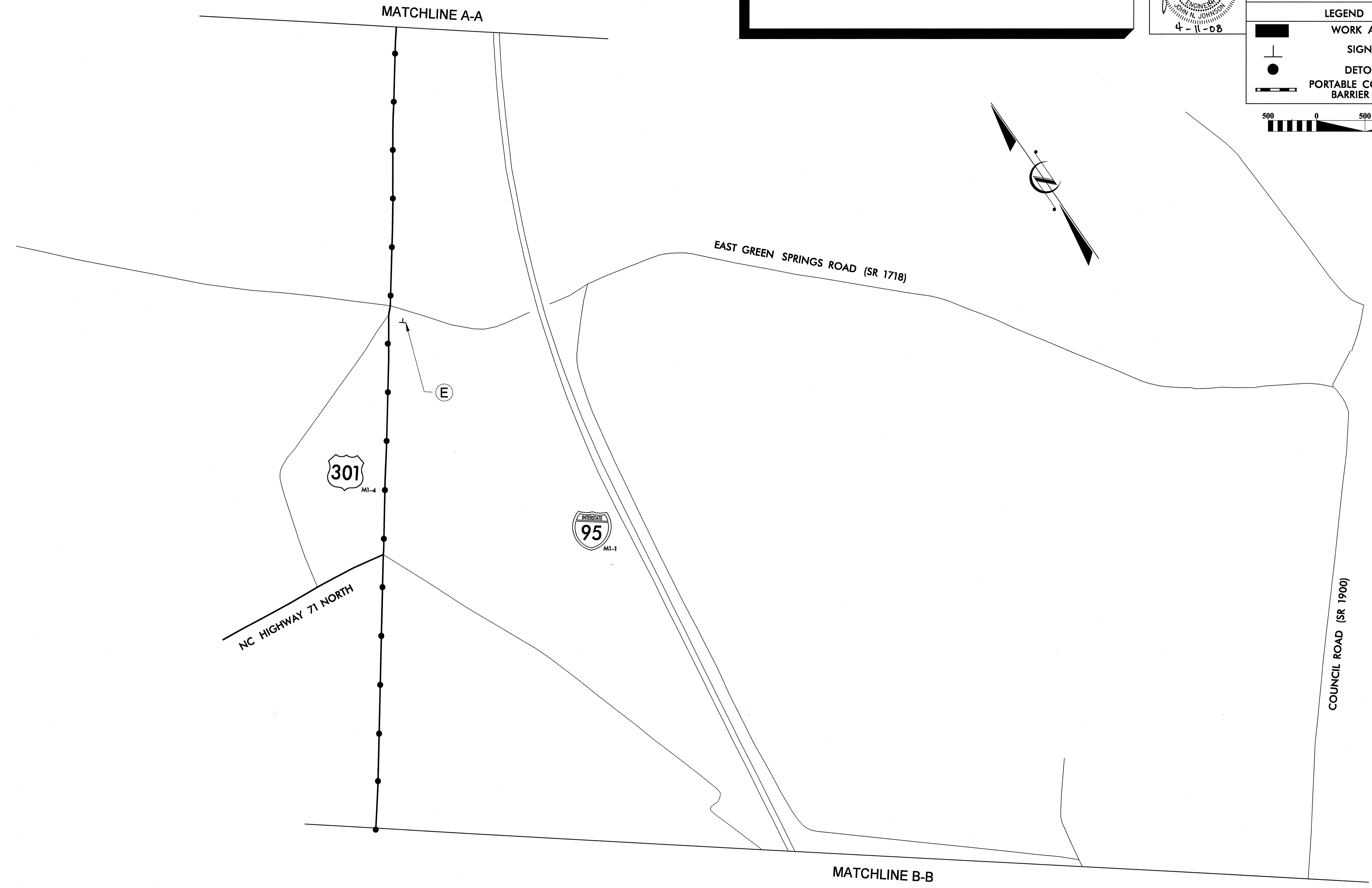
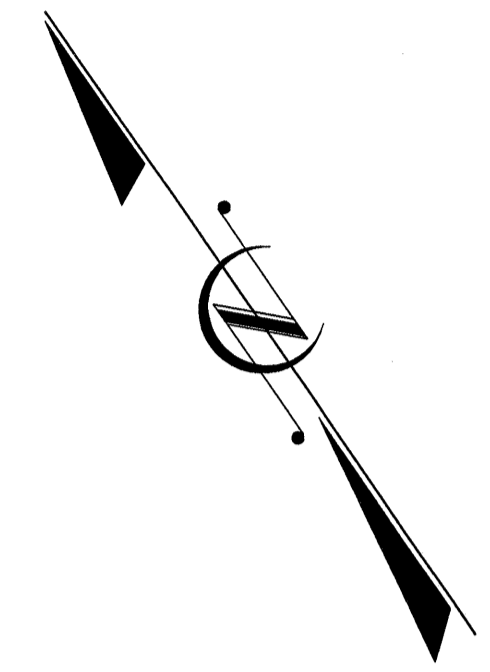
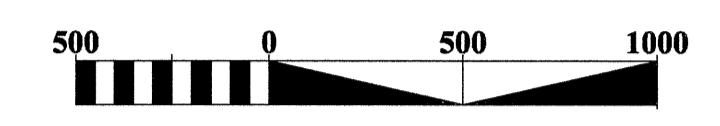


DETAIL B3

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 J. Johnson

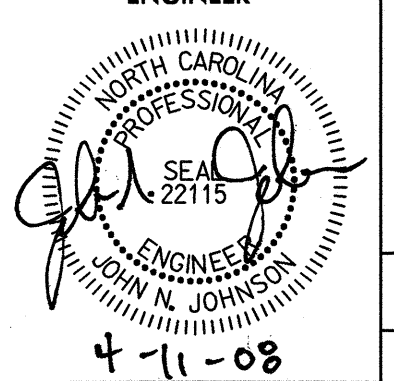


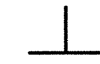



ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-19
	STV/Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	<b>WORK AREA</b>	
	<b>SIGNS</b>	
	<b>DETOUR</b>	
	<b>PORTABLE CONCRETE BARRIER (PCB)</b>	

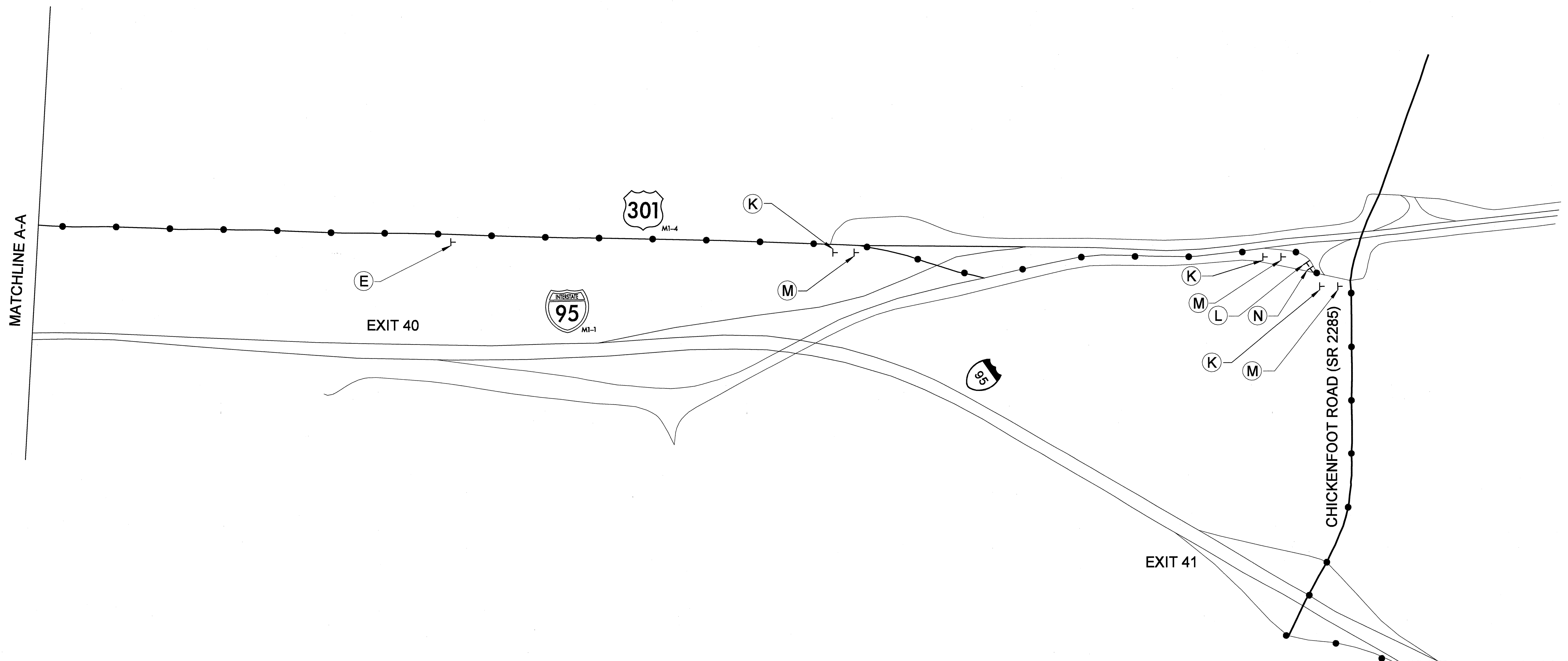
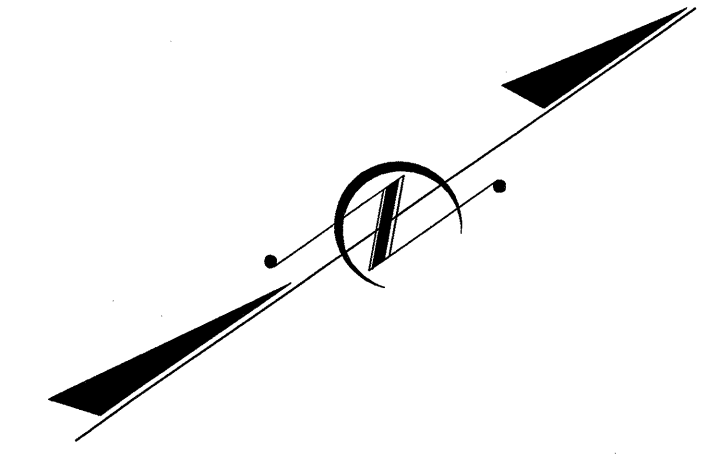
# DETAIL B4



C:\4142800\05  
 01\01\02\13448\5021\Traffic Control\Phasing\5021.TCP\NORTHBOUND I-95\B4.dgn  
 01/01/08

# DETAIL B5

ROADWAY DESIGN ENGINEER	SHEET NO. TCP-20
	
STV / Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>	
	WORK AREA
	SIGNS
	DETOUR
	PORTABLE CONCRETE BARRIER (PCB)
	



04/11/2008  
PT:\P\02513448\B5021\Traffic Control\Phasing\B5021\TCP\NORTHBOUND I-95\B5.dgn

# DETAIL C1

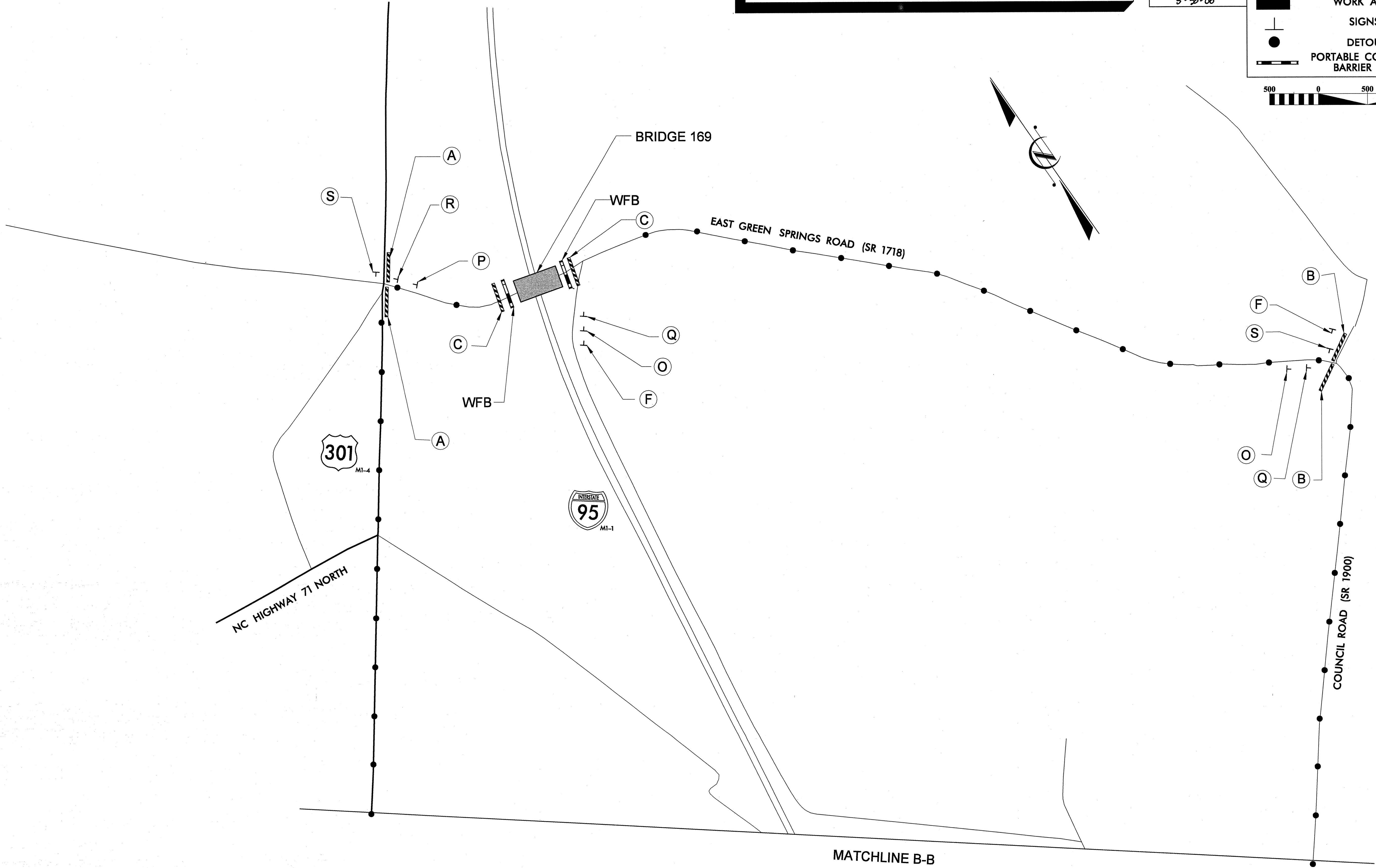
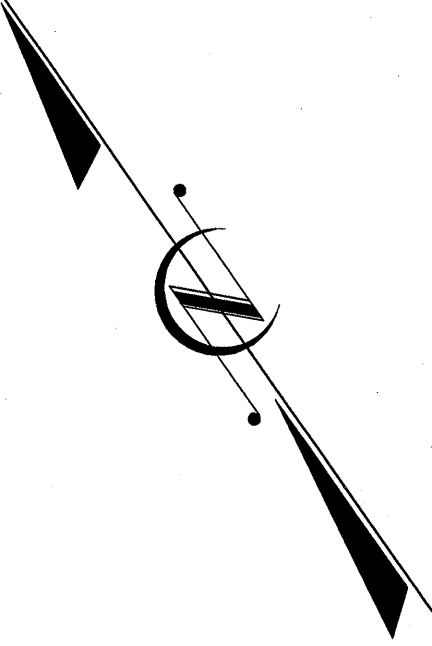
ROADWAY DESIGN  
ENGINEER  
SEAL  
22115  
ENGINEER  
JOHN N. JOHNSON  
5-20-08

SHEET NO. TCP-21

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

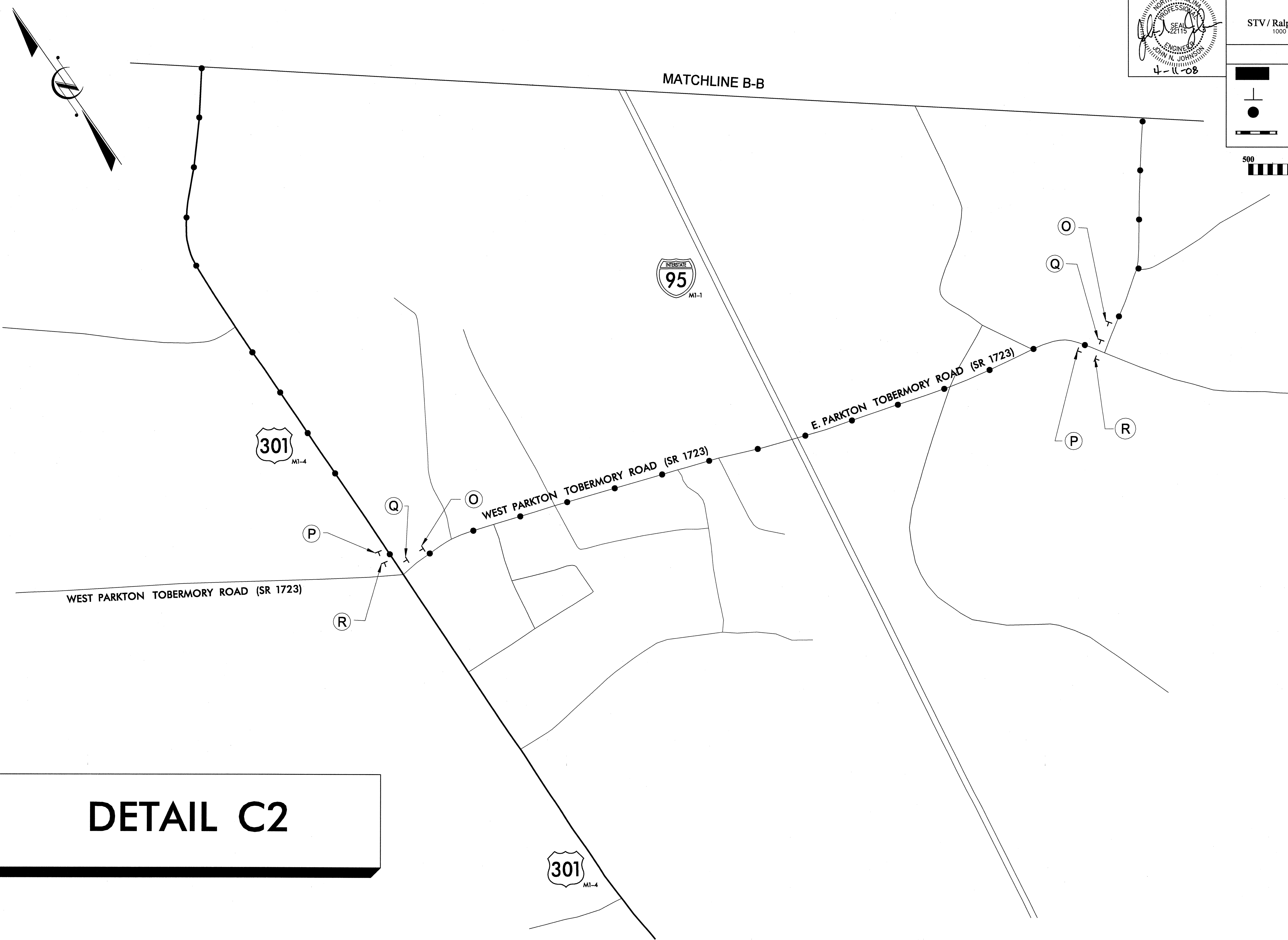
LEGEND

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



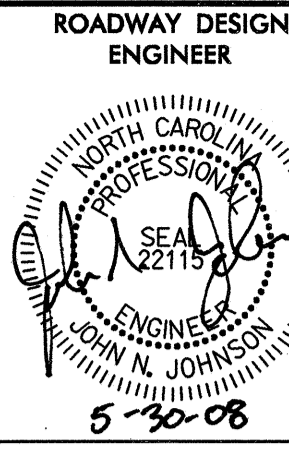
05/30/2008  
R:\TrafficControl\TCP\BRIDGE 169\DETAIL C1.dgn  
clarkgroves

ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-22
	STV / Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	<b>WORK AREA</b>	
	<b>SIGNS</b>	
	<b>DETOUR</b>	
	<b>PORTABLE CONCRETE BARRIER (PCB)</b>	

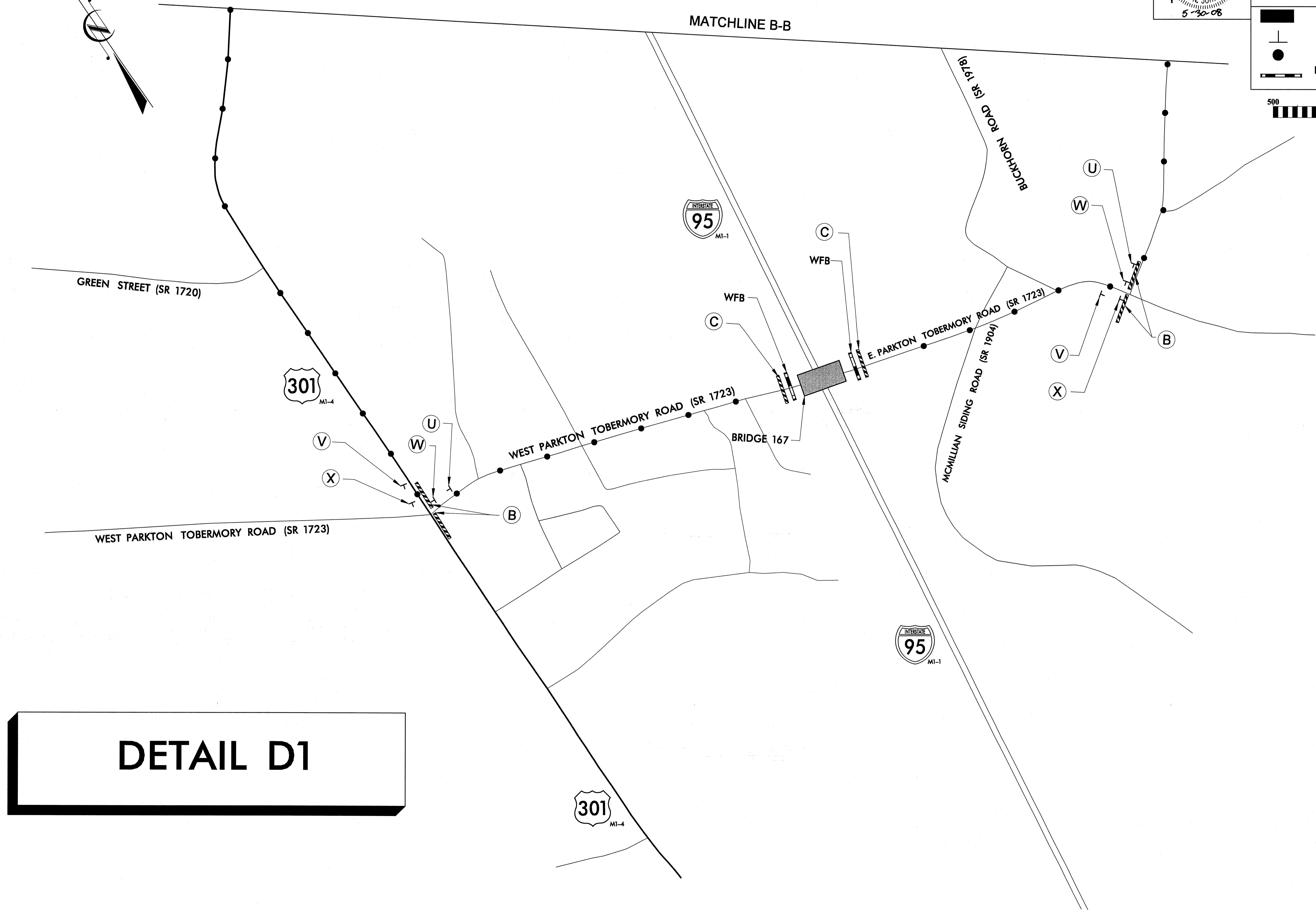
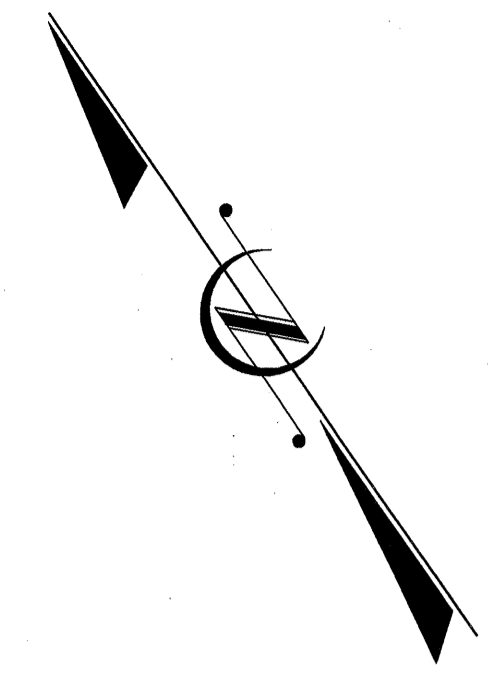
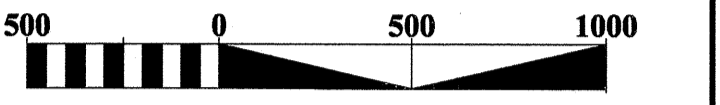


**DETAIL C2**

04/11/2008  
 C:\Projects\13448\Traffic Control\Phasing\B5021\TCP\BRIDGE 169\DETAIL C2.dgn  
 J. Whitehead



LEGEND	
	WORK AREA
	SIGNS
	DETOUR
	PORTABLE CONCRETE BARRIER (PCB)

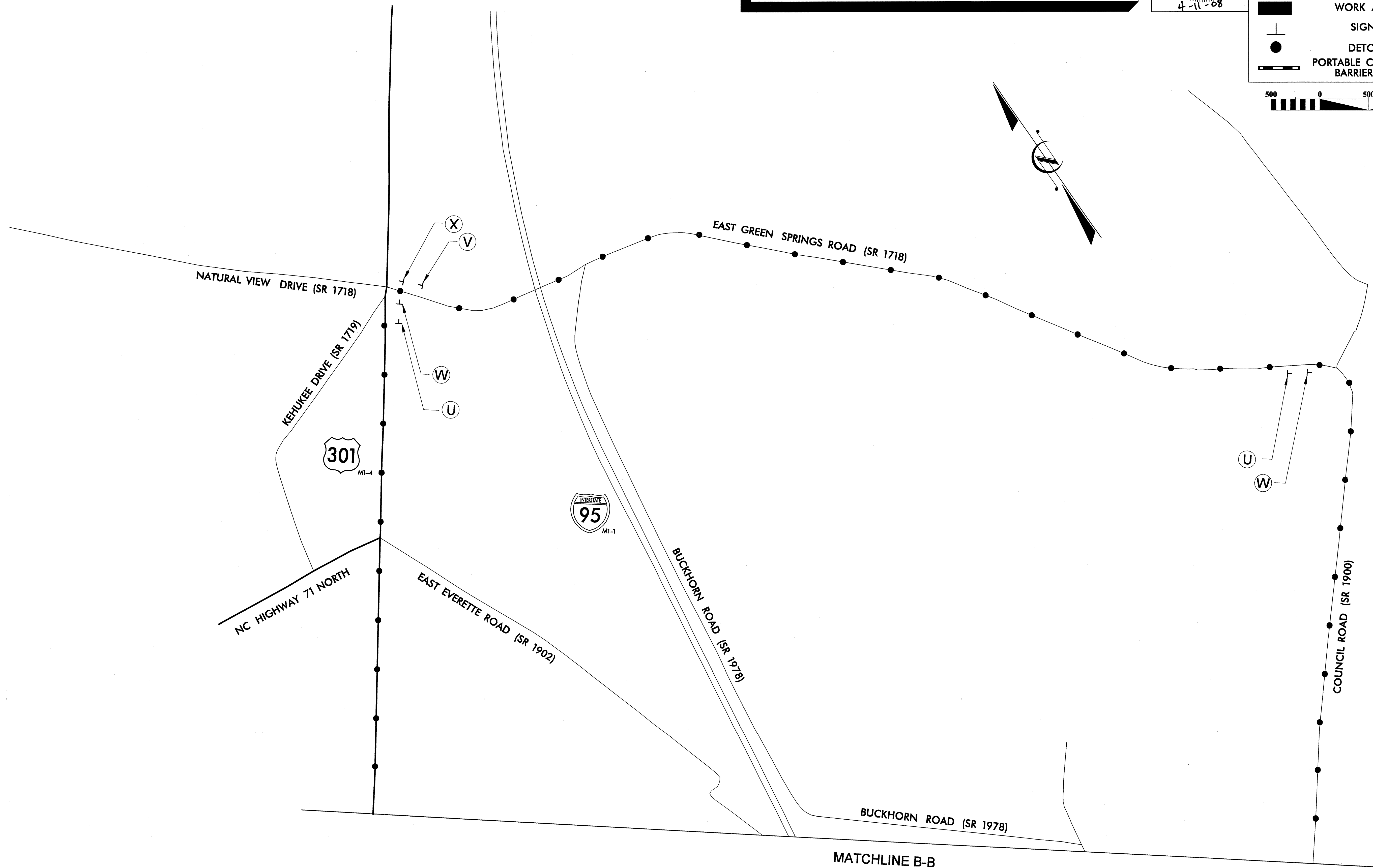


**DETAIL D1**

05/30/2008  
f:\TrafficControl\TCP\BRIDGE 167\DETAIL D1.dgn  
05/30/2008  
R:\TrafficControl\TCP\BRIDGE 167\DETAIL D1.dgn  
blackgroves

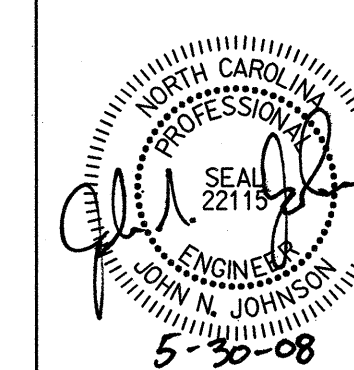
# DETAIL D2

ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-24
	STV / Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	WORK AREA	
	SIGNS	
	DETOUR	
	PORTABLE CONCRETE BARRIER (PCB)	




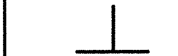

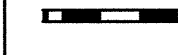
04/11/2008  
 P:\App\J\2513448\55021\Traffic Control\Phasing\55021\TCP\BRIDGE 167\DETAIL D2.dgn  
 J.N.J.





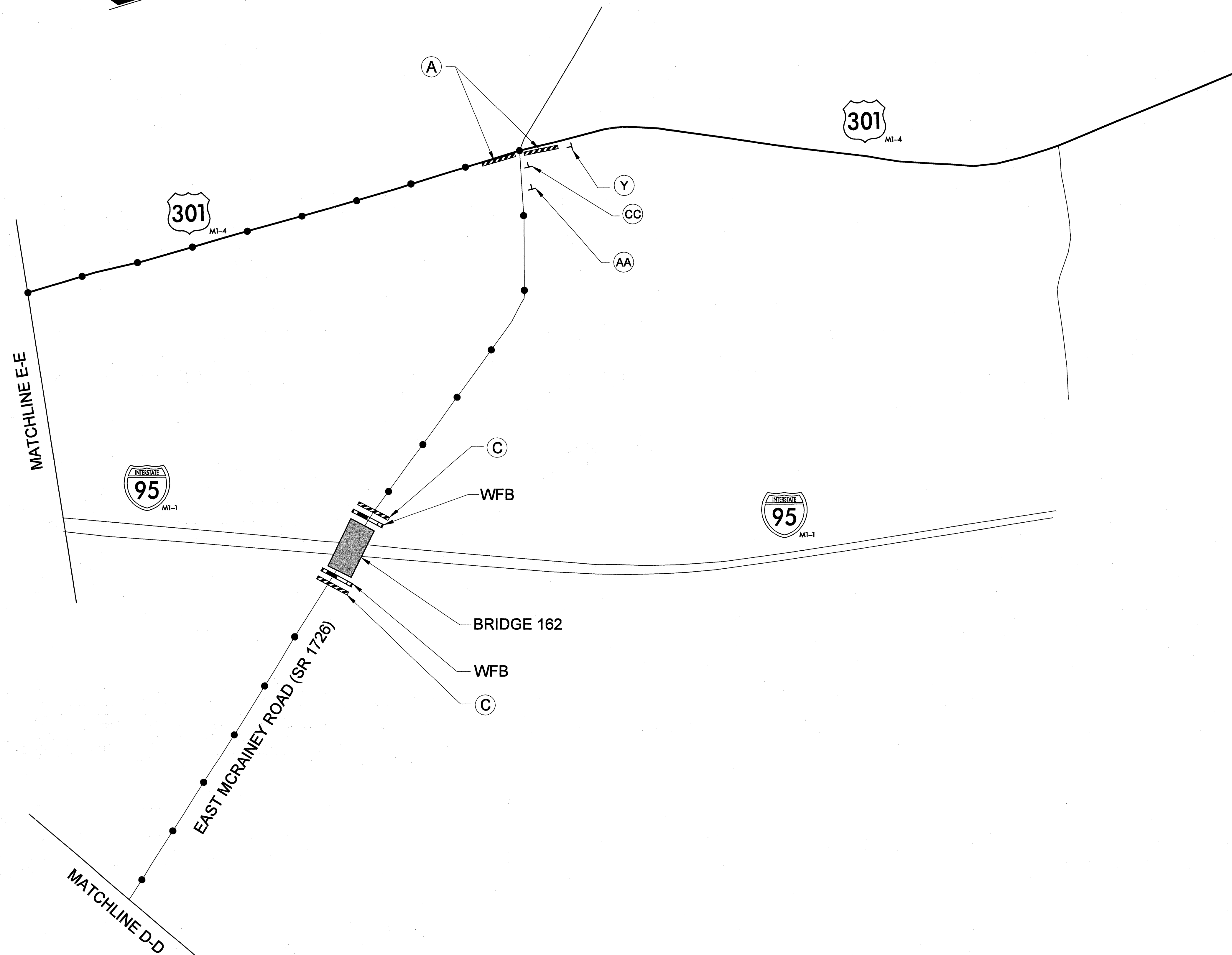
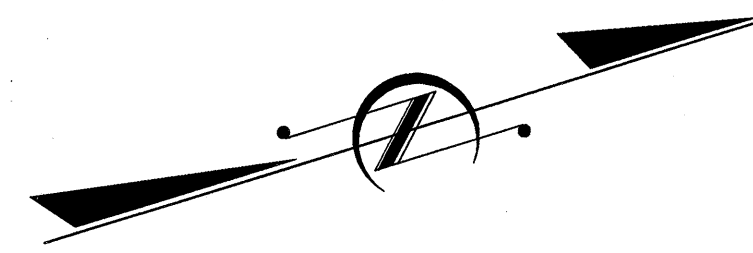
STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

LEGEND

-  WORK AREA
-  SIGNS
-  DETOUR
-  PORTABLE CONCRETE BARRIER (PCB)

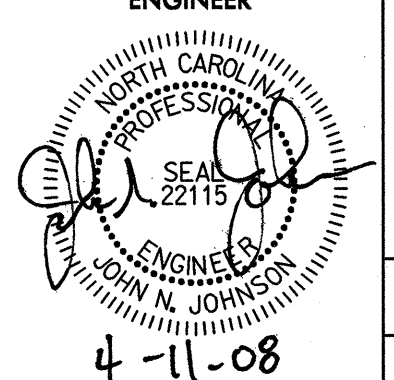


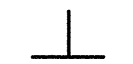




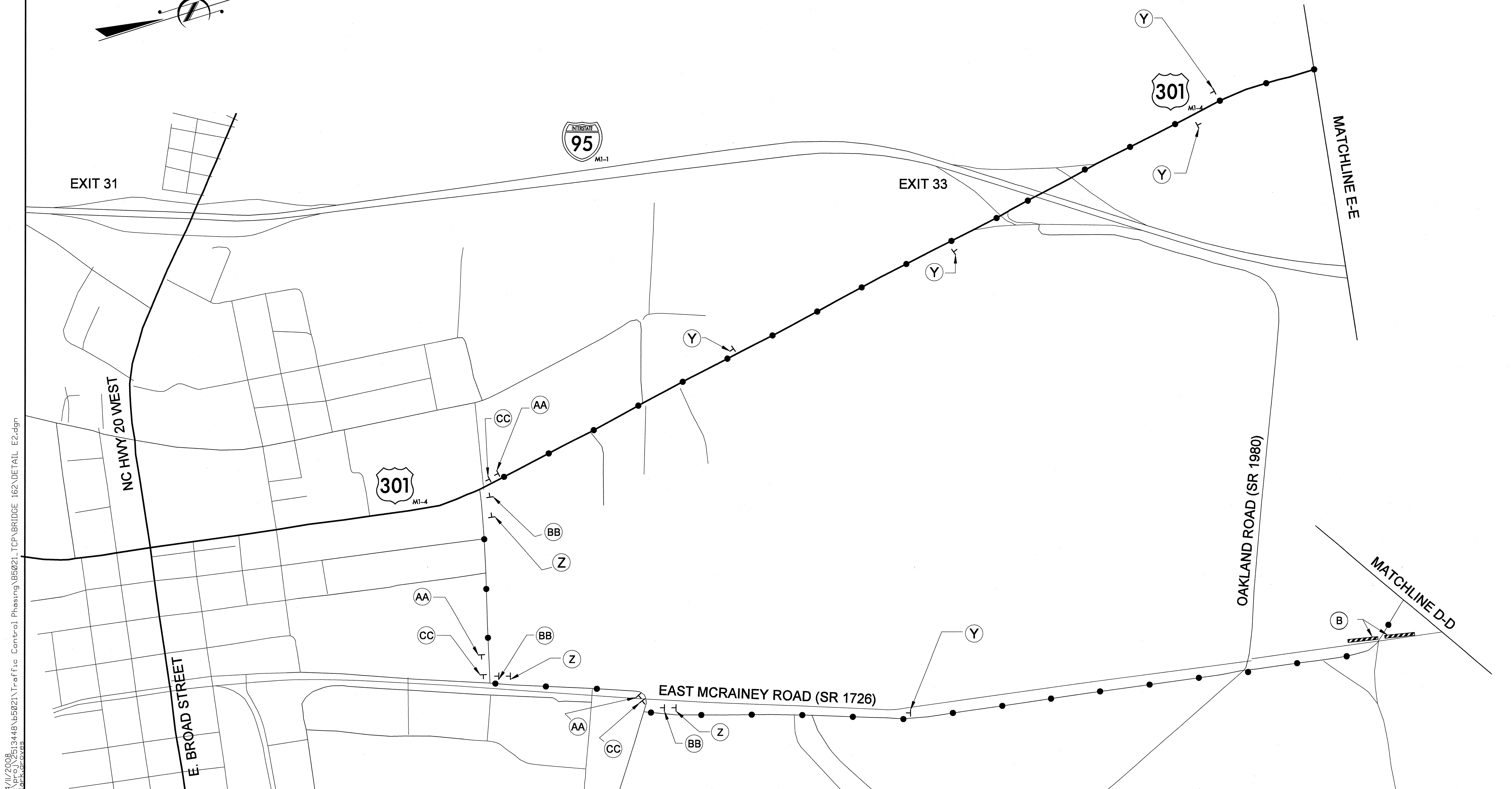
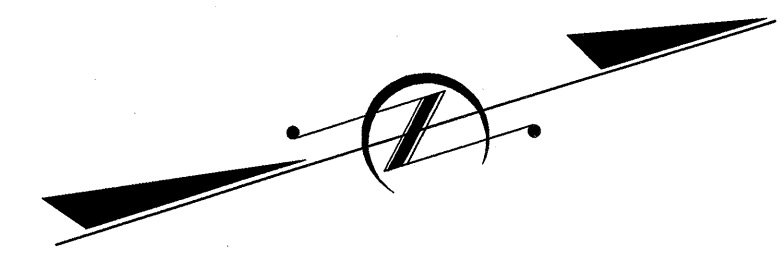
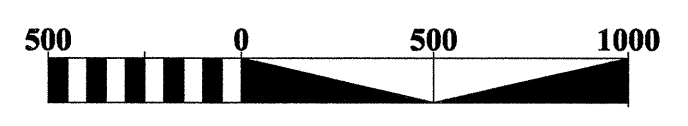
# DETAIL E1



05/30/2008  
R:\TrafficControl\TCP\BRIDGE 162\DETAIL E1.dgn  
blackgroves

# DETAIL E2

ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-26
		
	STV / Ralph Whitehead Associates, Inc. 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	WORK AREA	
	SIGNS	
	DETOUR	
	PORTABLE CONCRETE BARRIER (PCB)	

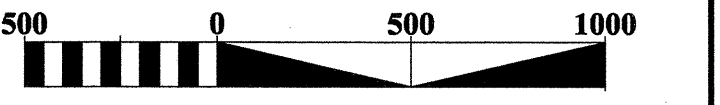


04/11/2008  
C:\p\p\N2513448\5021\T-ref\c Control Phasing\B5021.TCP\BRIDGE 162\DETAIL E2.dgn  
John N. Johnson

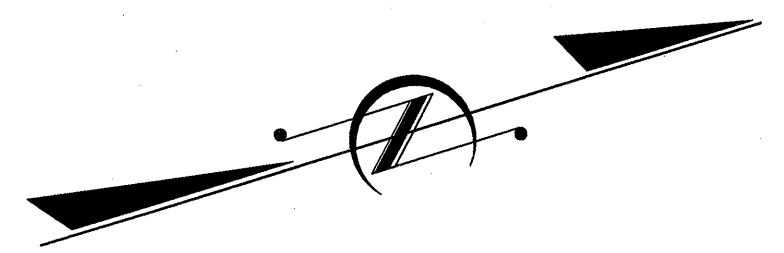


LEGEND

	WORK AREA
	SIGNS
	DETOUR
	PORTABLE CONCRETE BARRIER (PCB)



# DETAIL F1

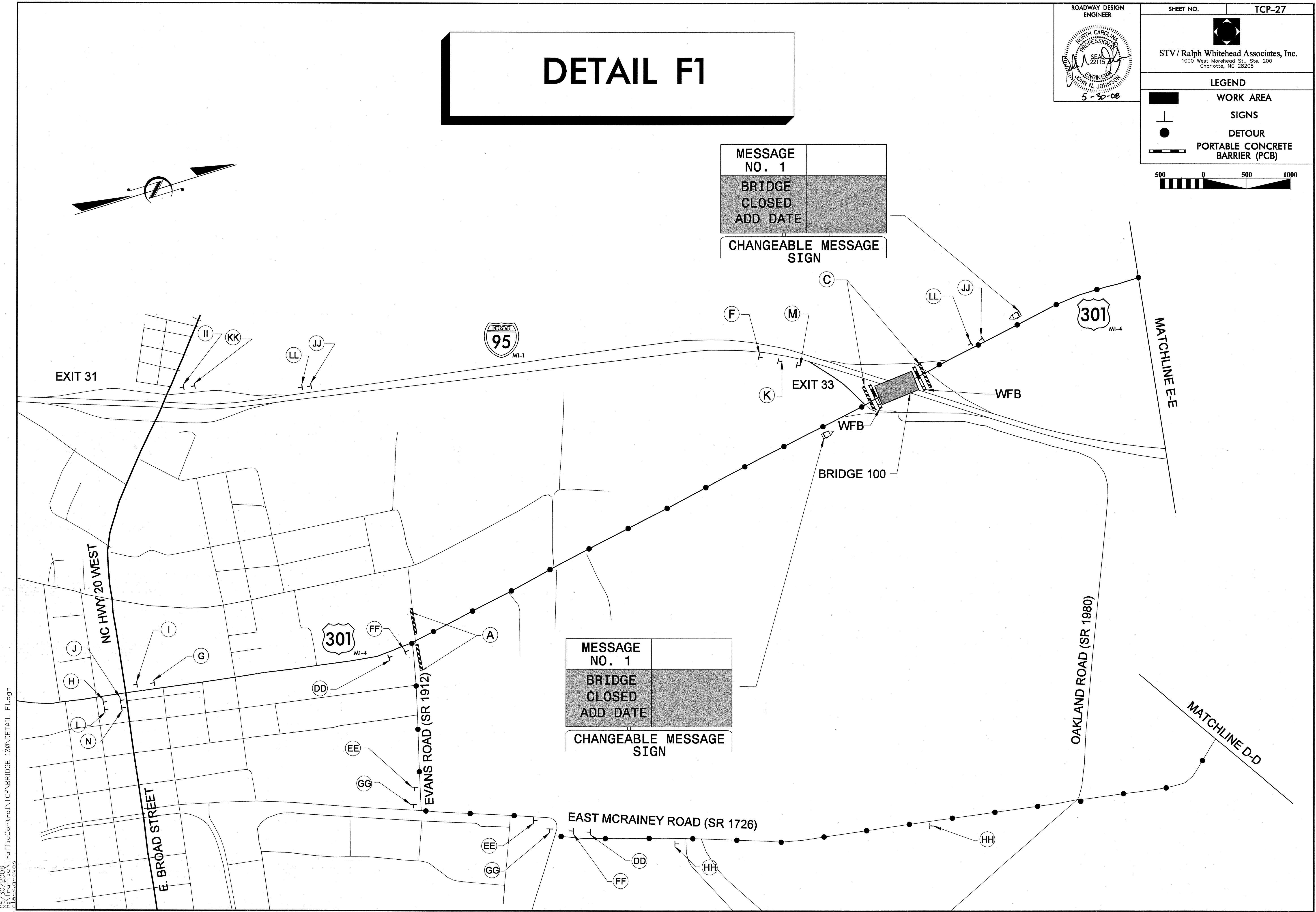


MESSAGE NO. 1	
BRIDGE CLOSED	
ADD DATE	

CHANGEABLE MESSAGE SIGN

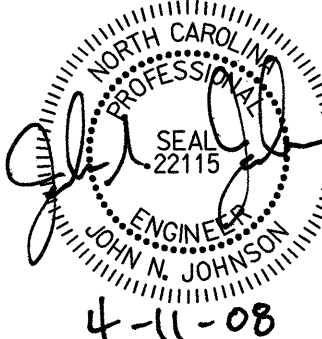
MESSAGE NO. 1	
BRIDGE CLOSED	
ADD DATE	

CHANGEABLE MESSAGE SIGN




05/20/2008  
R:\TrafficControl\TCP\BRIDGE 100\DETAIL F1.dgn  
Clark Groves





# DETAIL F2

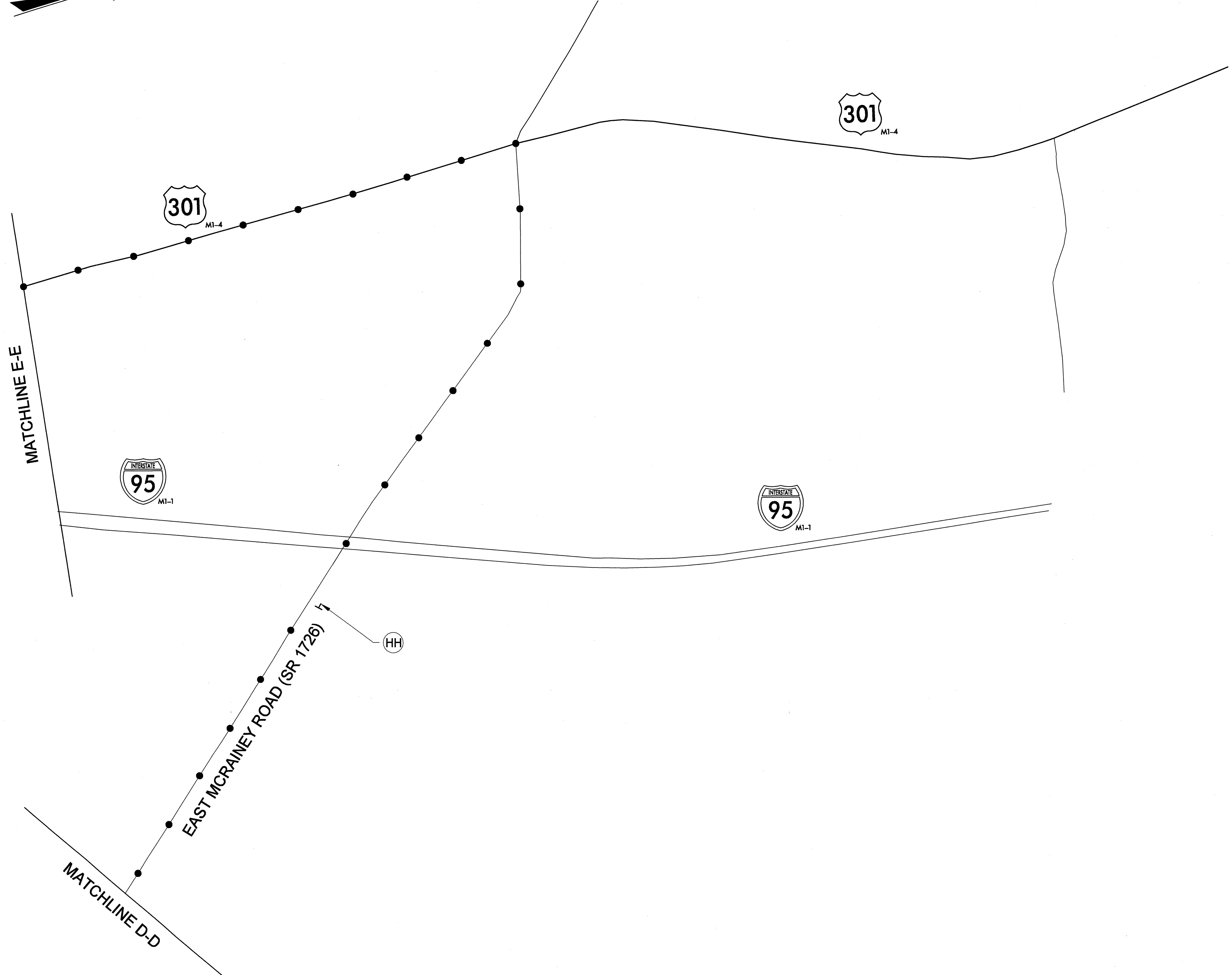
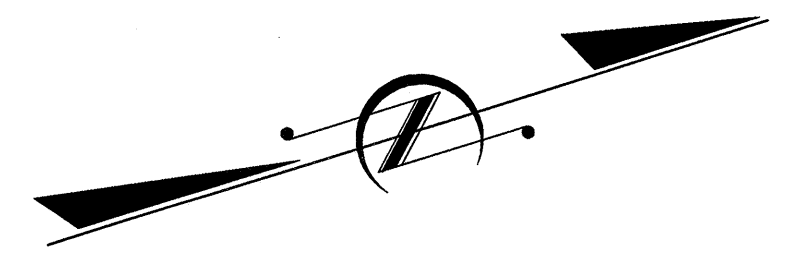
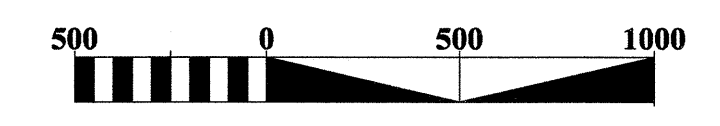
ROADWAY DESIGN  
ENGINEER  
  
4-11-08

SHEET NO. TCP-28

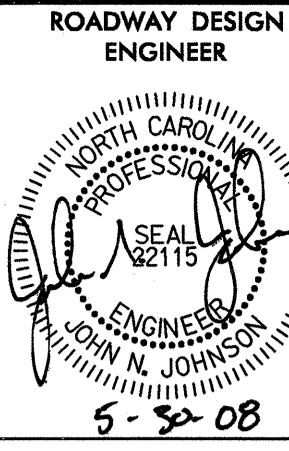
  
STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

**LEGEND**

-  WORK AREA
-  SIGNS
-  DETOUR
-  PORTABLE CONCRETE BARRIER (PCB)

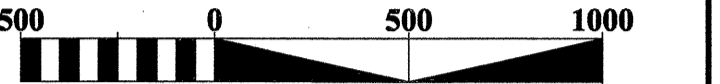


04/11/2008 5:13:48 PM 5021\Traffic Control\Phasing\B5021.TCP\BRIDGE 100\DETAIL F2.dgn  
CP  
JNJ



LEGEND

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



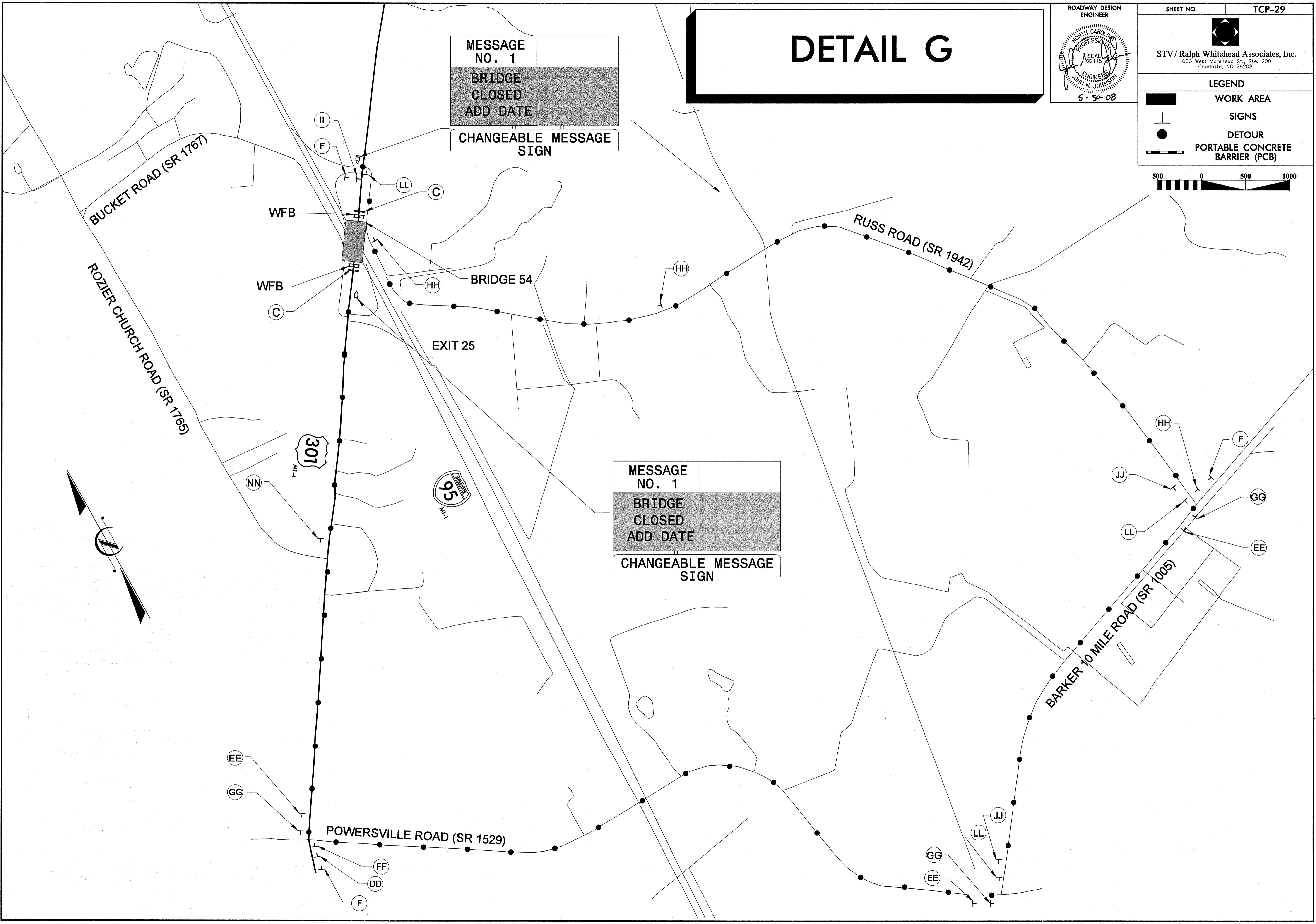
# DETAIL G

MESSAGE NO. 1	
BRIDGE CLOSED	
ADD DATE	

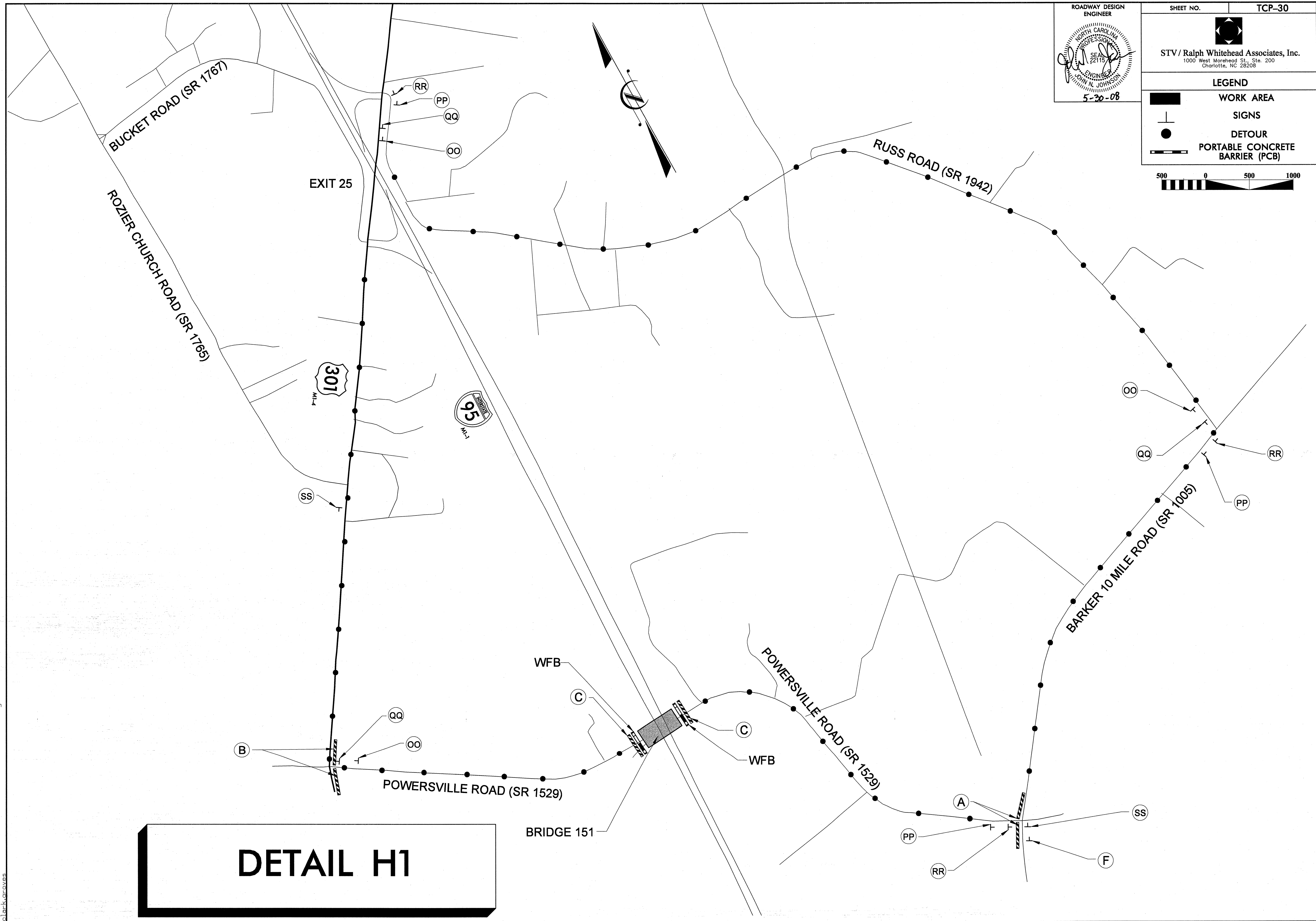
CHANGEABLE MESSAGE SIGN

MESSAGE NO. 1	
BRIDGE CLOSED	
ADD DATE	

CHANGEABLE MESSAGE SIGN



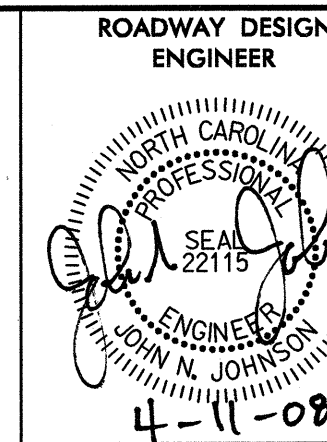
ROADWAY DESIGN ENGINEER	SHEET NO.	TCP-30
	<b>STV / Ralph Whitehead Associates, Inc.</b> 1000 West Morehead St., Ste. 200 Charlotte, NC 28208	
<b>LEGEND</b>		
	<b>WORK AREA</b>	
	<b>SIGNS</b>	
	<b>DETOUR</b>	
	<b>PORTABLE CONCRETE BARRIER (PCB)</b>	



# DETAIL H1

05/30/2008 TrafficControl\TCP\BRIDGE 151\DETAIL H1.dgn

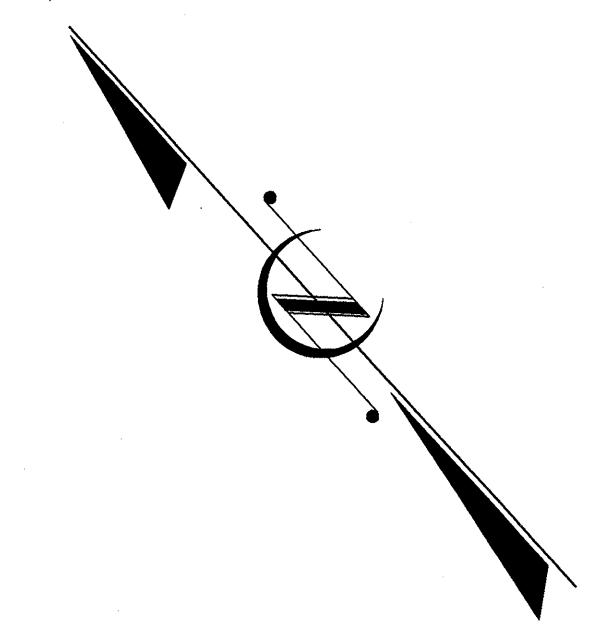
# DETAIL H2



SHEET NO. TCP-31

STV / Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

LEGEND	
	WORK AREA
	SIGNS
	DETOUR
	PORTABLE CONCRETE BARRIER (PCB)

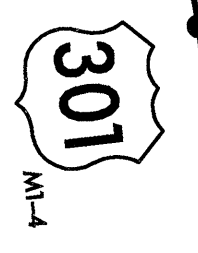


ROADWAY STANDARD DRAWING  
1101.03 (SHEET 7 OF 9)

EXIT 25

RUSS ROAD (SR 1942)

BARKER 10 MILE ROAD (SR 1005)



MATCHLINE B-B

MATCHLINE C-C

MATCHLINE A-A

04/11/2008  
C:\pfc\1231313448\55021\Traffic Control\TCP\BRIDGE 151\DETAIL H2.dgn

# DETAIL H3

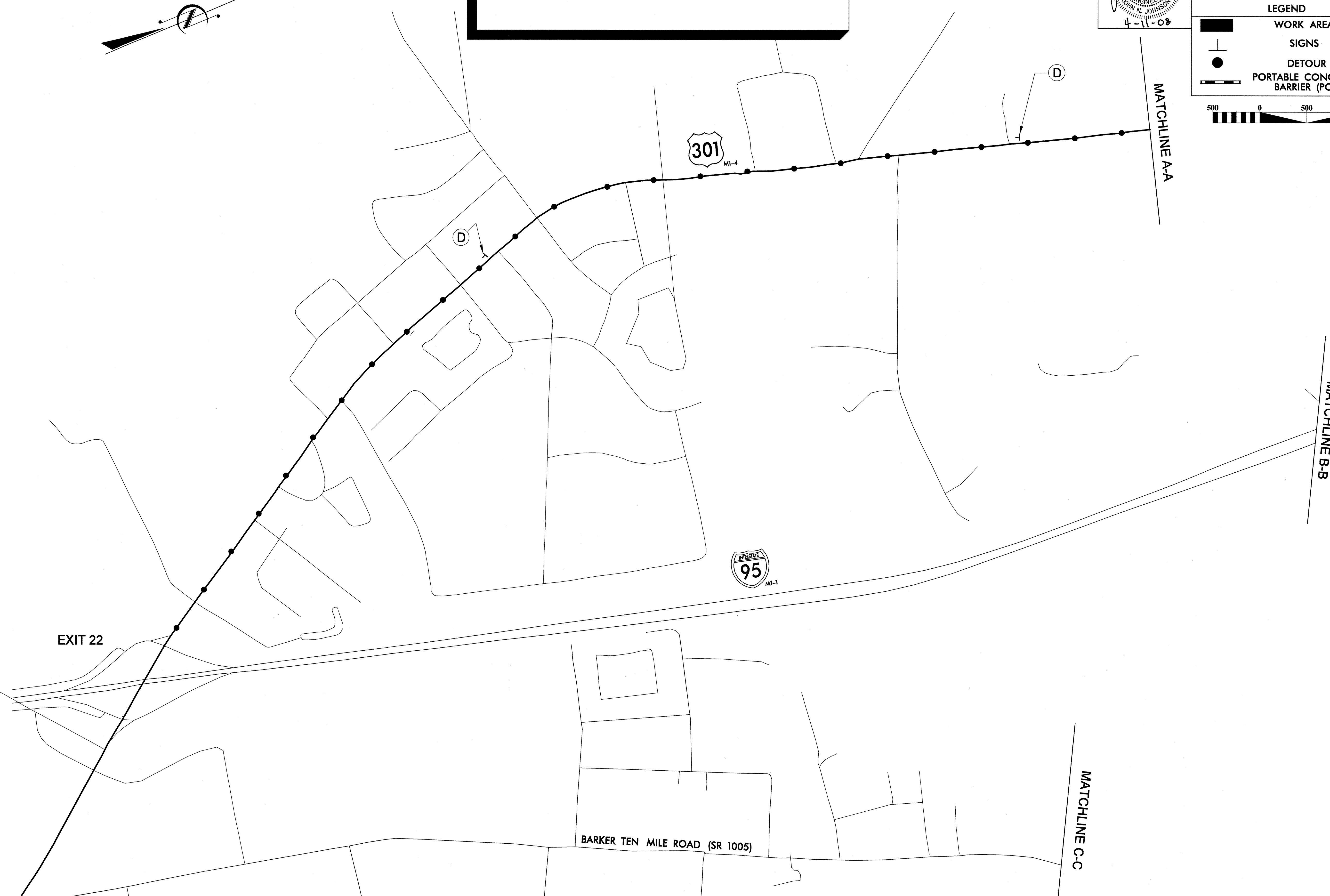
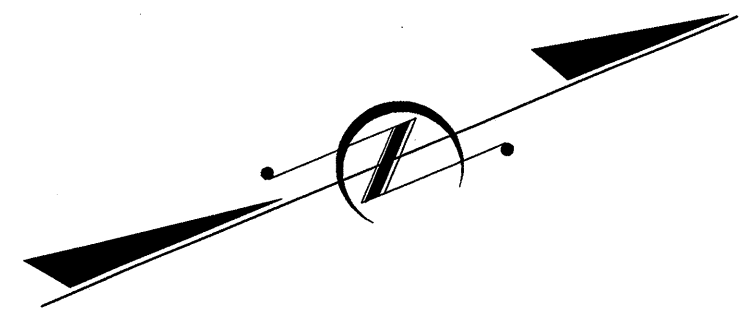
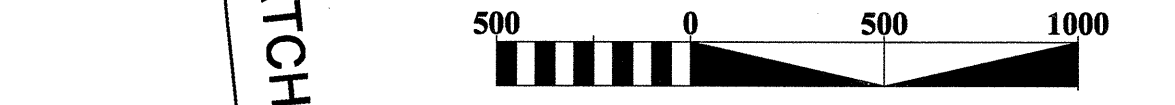
ROADWAY DESIGN ENGINEER

SHEET NO. TCP-32

STV/Ralph Whitehead Associates, Inc.  
1000 West Morehead St., Ste. 200  
Charlotte, NC 28208

LEGEND

- WORK AREA
- SIGNS
- DETOUR
- PORTABLE CONCRETE BARRIER (PCB)



04/11/2008  
C:\p\134448\5021\Traffic Control Phasing\B5021.TCP\BRIDGE 15\DETAIL H3.dgn  
clark@stvas.com