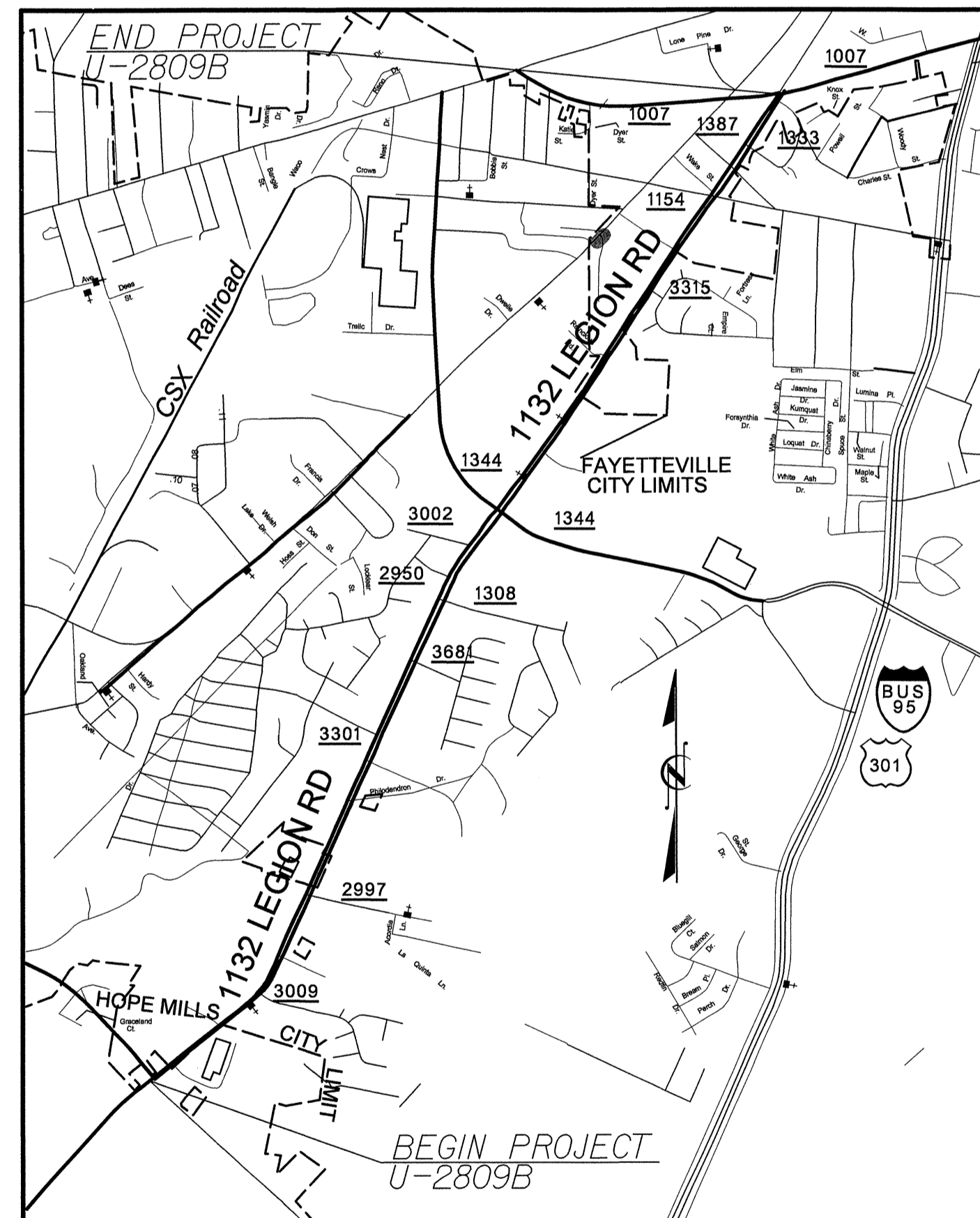
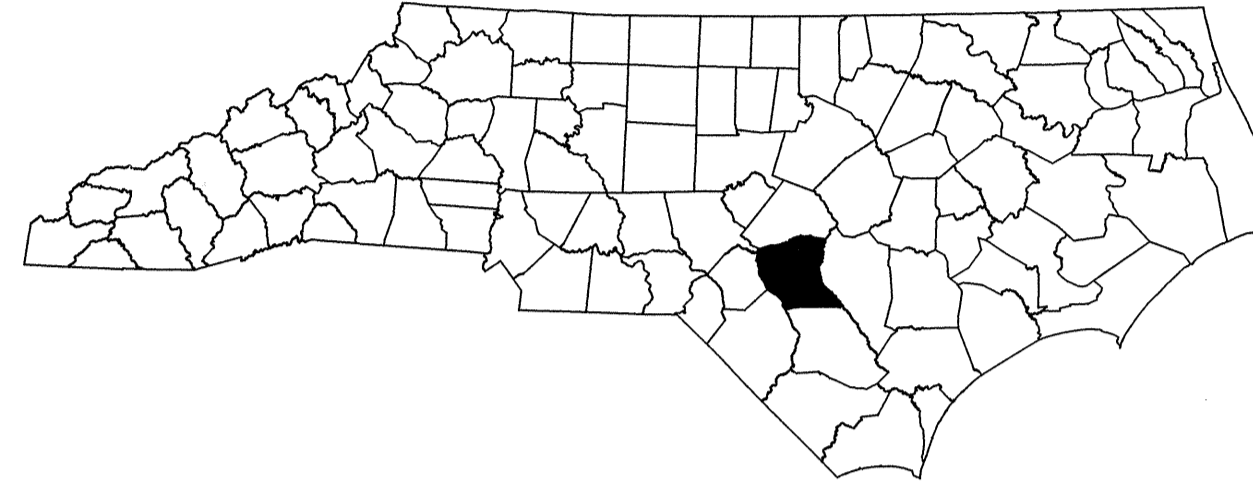


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CUMBERLAND COUNTY



SKETCH MAP SHOWING THE VICINITY OF
STATE PROJECT U-2809B

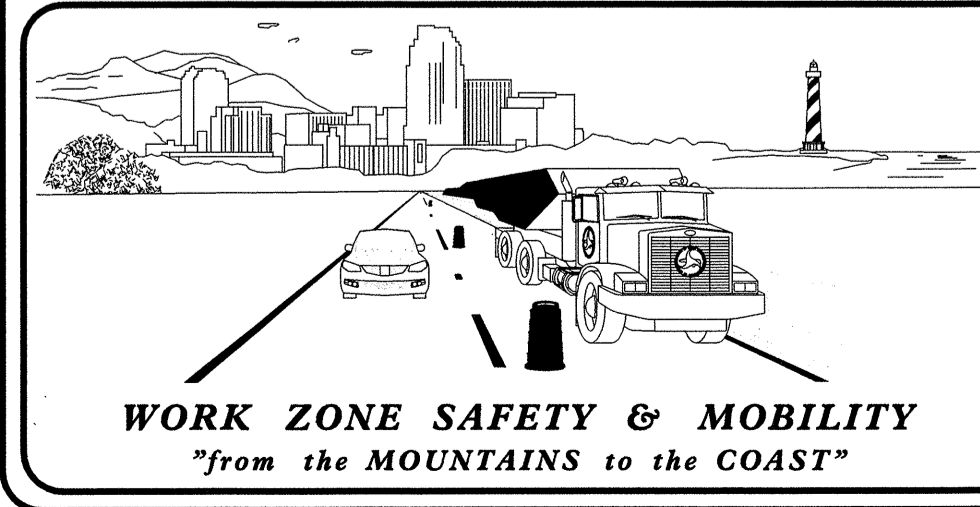
INDEX OF SHEETS	
SHEET NO.	TITLE
TMP-1	INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND & TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-2	PROJECT NOTES
TMP-3	PHASING
TMP-4 THRU 16	PHASE I
TMP-17 THRU 31	PHASE II
TMP-32 THRU 44	PHASE III
TMP-45	CAMDEN ROAD DETOUR

SHEET NO.
TMP-1

U-2809B

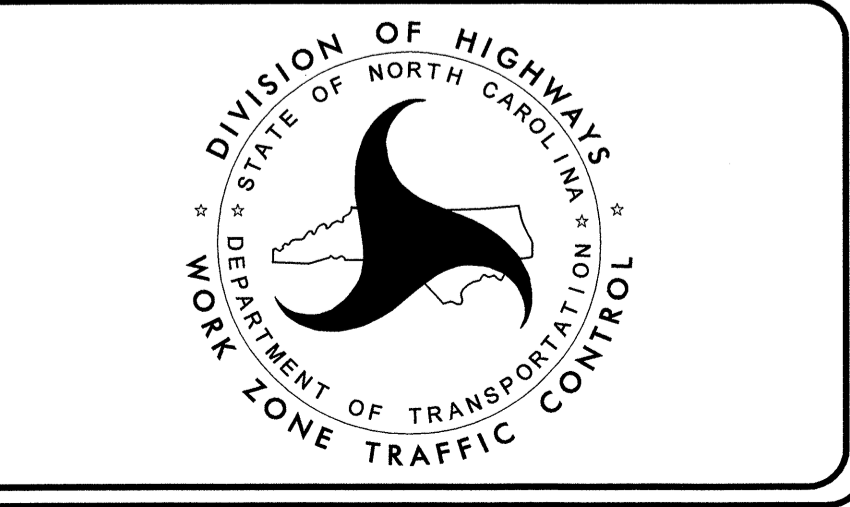
TIP PROJECT:

6/1/2012 - Final U-2809B - fmp - Title.dgn
Florence & Hutcheson



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

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D. PARKER TRAFFIC CONTROL PROJECT DESIGN ENGINEER
TRAFFIC CONTROL DESIGN ENGINEER



FH Florence & Hutcheson
CONSULTING ENGINEERS
5121 Kingston Way, Suite 100 Raleigh, NC 27607
NC License No. P-9238

APPROVED: *John A. Dwyer*
DATE: 6-1-12

SEAL

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	TWO-WAY UNDIVIDED WORK ZONE WARNING SIGNS
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
1205.03	PAVEMENT MARKINGS - INTERCHANGES
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
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS - TEMPORARY AND PERMANENT

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- WORK AREA
- CONTINUING CONSTRUCTION
- REMOVAL

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

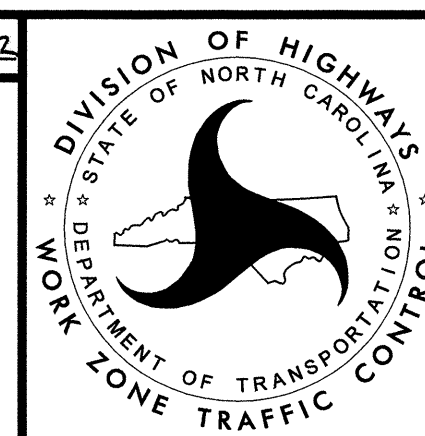
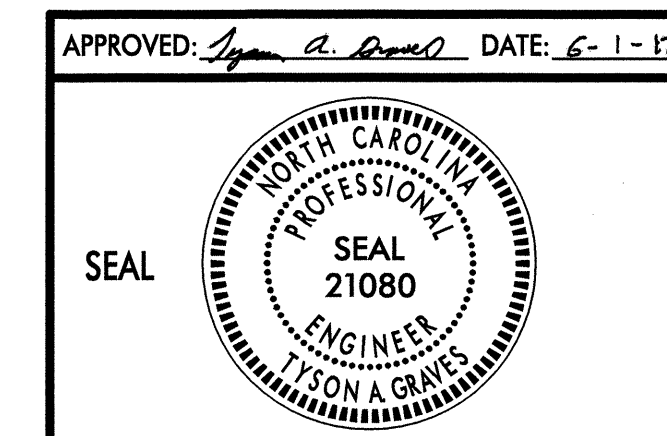
- CRYSTAL / CRYSTAL
- CRYSTAL / RED
- YELLOW / YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
<u>PAINT (4")</u>	
PA	WHITE EDGELINE
PB	YELLOW EDGELINE
PC	10 FT. WHITE SKIP
PD	2 FT. WHITE MINISKIP
PE	WHITE SOLID LANE LINE
PF	10 FT. YELLOW SKIP
PH	SINGLE YELLOW CENTERLINE
PI	DOUBLE YELLOW CENTERLINE
P8	2FT - 6FT WHITE MINISKIPS
<u>PAINT (8")</u>	
PN	WHITE GORELINES
PO	WHITE DIAGONAL
PP	YELLOW DIAGONAL
PQ	WHITE CROSSWALK LINES
<u>PAINT (24")</u>	
P2	WHITE STOP BAR
<u>PAINT SYMBOL</u>	
QA	LEFT ARROW
QB	RIGHT ARROW
QC	STRAIGHT ARROW
QE	COMBO STRAIGHT/RIGHT MARKING
QI	ALPHANUMERIC CHARACTER
QT	U-TURN ARROW
<u>TEMPORARY RAISED MARKERS</u>	
MH	YELLOW & YELLOW
MI	CRYSTAL & RED



PROJECT NOTES

Florence & Hutcheson CONSULTING ENGINEERS <small>5121 Kingdom Way, Suite 100 Raleigh, NC 27607 NC License No. P-0058</small>	PROJ. REFERENCE NO.	SHEET NO.
	U-2809B	TMP-2

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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
-L- LEGION ROAD (STA. 109+50 TO STA. 247+00)	7:00 AM TO 9:00 AM MONDAY THRU FRIDAY 3:00 PM TO 6:00 PM MONDAY THRU FRIDAY
-L- LEGION RD AND OWEN DRIVE (STA. 247+00 TO STA. 263+30)	6:00 AM TO 10:00 PM MONDAY THRU SUNDAY

B) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
CAMDEN RD	6:00 AM TO 10:00 PM MONDAY THRU SUNDAY

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) 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.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 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 OR A LANE CLOSURE IS INSTALLED.
- E) 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.
- F) 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.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- H) DO NOT INSTALL MORE THAN ONE MILE OF LANE CLOSURE ON LEGION ROAD MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- I) DO NOT INSTALL MORE THAN TWO SIMULTANEOUS LANE CLOSURE IN ANY ONE DIRECTION ON LEGION ROAD.
- J) PROVIDE A MINIMUM OF ONE MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) 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 AN EDGE OF PAVEMENT 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.

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

N) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

O) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

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

TRAFFIC CONTROL DEVICES

R) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

S) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

- U) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- W) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- X) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION

MISCELLANEOUS

- Y) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Z) ALL WHEELCHAIR RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

LOCAL NOTES

- 1) CONSTRUCT MEDIAN ISLANDS AND U-TURN RAISED ISLANDS BY CLOSING NO MORE THAN 2 CONSECUTIVE OPENINGS AT A TIME. OPENINGS AT -Y- LINES SHALL BE CLOSED ONLY AS DIRECTED BY THE ENGINEER.

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APPROVED: <i>Jason A. Dwyer</i> DATE: 6-1-12 <div style="text-align: center;"> SEAL SEAL 21080 ENGINEER JASON A. DWYER </div>	<h2 style="margin: 0;">PROJECT NOTES</h2>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">SCALE:</td> <td>NONE</td> </tr> <tr> <td style="font-size: small;">DATE:</td> <td>JUNE '12</td> </tr> <tr> <td style="font-size: small;">DWG. BY:</td> <td>GEPTAG</td> </tr> <tr> <td style="font-size: small;">DESIGN BY:</td> <td>TAG</td> </tr> <tr> <td style="font-size: small;">REVIEWED BY:</td> <td>MTR</td> </tr> </table>	SCALE:	NONE	DATE:	JUNE '12	DWG. BY:	GEPTAG	DESIGN BY:	TAG	REVIEWED BY:	MTR
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REVISIONS												

PHASING

PHASE I

STEP 1
 USING ROADWAY STANDARD DRAWING NUMBER 1101.01, INSTALL ADVANCE WARNING SIGNS ON -L- AND ALL -Y- LINES.

STEP 2
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF UTILITIES, SEE UTILITY PLANS.

STEP 3
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (COMPLETING ANY CONFLICTING UTILITY CONSTRUCTION BEFORE BEGINNING ROADWAY CONSTRUCTION)(SEE SHEETS TMP-4 THRU TMP-12):

- LEFT SIDE OF -L- FROM STA. 109+50+/- TO -L- STA. 174+00+/- INCLUDING DRAINAGE
- RIGHT SIDE OF -L- FROM STA. 174+00+/- TO -L- STA. 263+30+/- INCLUDING DRAINAGE
- DRAINAGE CROSS-PIPES (LESS THAN 30") ACROSS -L-
- Y12A- FROM -Y12A- STA. 16+30+/- TO -Y12A- STA. 17+10+/-
- Y12- FROM -Y12- STA. 10+79+/- TO -Y12- STA. 11+76+/-
- Y14- FROM -Y14- STA. 10+15+/- TO -Y14- STA. 11+24+/-
- Y17- FROM -Y17- STA. 85+15+/- TO -Y17- STA. 85+92+/-
- Y18- FROM -Y18- STA. 10+13+/- TO -Y18- STA. 11+00+/-
- Y19- FROM -Y19- STA. 15+10+/- TO -Y19- STA. 18+22+/-
- Y21- FROM -Y21- STA. 12+12+/- TO -Y21- STA. 13+20+/-
- Y22- FROM -Y22- STA. 10+15+/- TO -Y22- STA. 11+00+/-
- Y23- FROM -Y23- STA. 15+42+/- TO -Y23- STA. 17+34+/-

NOTE: STEPS 4 THRU 7 MAY BE PERFORMED IN ANY ORDER.

PERFORM THE WORK IN STEP 4 FROM 6:00 PM ON A FRIDAY TO 6:00 AM ON A MONDAY. (SEE ICT & LIQUIDATED DAMAGES)

STEP 4
 USING ROADWAY STANDARD DRAWING 1101.03 SHEET 2 OF 9), CLOSE MASONBORO CT. INSTALL 42" PIPE IN MASONBORO CT, FROM -Y12A- STA. 16+30+/- TO -Y12A- STA. 17+10+/-, OPEN MASONBORO CT TO TRAFFIC. MAINTAIN LOCAL ACCESS AS DIRECTED BY THE ENGINEER.

STEP 5
 USING ROADWAY STANDARD DRAWING 1101.03 SHEET 2 OF 9) AND DETOUR ROUTE SHOWN ON SHEET TMP-45, CLOSE CAMDEN ROAD AND INSTALL 42" PIPE. IF PIPE CANNOT BE INSTALLED IN ONE NIGHT, COVER AND OPEN TRAFFIC TO EXISTING TRAFFIC PATTERN AND CONTINUE PIPE INSTALLATION ON SUCCESSIVE NIGHTS UNTIL COMPLETE. WHEN COMPLETE, PAVE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, INSTALL PAVEMENT MARKINGS, AND OPEN TRAFFIC TO THE EXISTING TRAFFIC PATTERN. (SEE TMP-13 AND TMP-45)

STEP 6
 USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEETS 3, 7, & 8 OF 15), INSTALL THE TWO 30" PIPES ACROSS OWEN DRIVE. WHEN COMPLETED ACROSS OWEN DRIVE, PAVE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, INSTALL PAVEMENT MARKINGS, AND OPEN TRAFFIC TO THE EXISTING TRAFFIC PATTERN. IF PIPES CANNOT BE INSTALLED IN ONE NIGHT, COVER AND OPEN TRAFFIC TO EXISTING TRAFFIC PATTERN, AND CONTINUE PIPE INSTALLATION ON SUCCESSIVE NIGHTS UNTIL COMPLETE. (SEE SHEETS TMP-14 THRU TMP-16)

PHASE II

STEP 1
 COMPLETE CONSTRUCTION BEGUN IN PHASE I, STEP 2. USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15), WEDGE AND PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ON -L- AND INSTALL MARKINGS AS SHOWN ON SHEETS TMP-19 THRU TMP-29.

STEP 2
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15) SWITCH TRAFFIC TO THE PATTERN SHOWN ON SHEETS TMP-19 THRU TMP-29.

STEP 3
 USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEETS 1, OF 15), INSTALL SEWER LINE FROM -L- STA. 229+80+/- TO -L- STA. 253+16+/- LEGION ROAD. COVER WORK AND OPEN TO THE EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD. CONTINUE PIPE INSTALLATION ON SUCCESSIVE NIGHTS UNTIL COMPLETE. WHEN COMPLETE, PAVE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, REPLACE PAVEMENT MARKINGS AND OPEN TO EXISTING TRAFFIC PATTERN (SEE TMP-27 AND TMP-28).

STEP 4
 USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEETS 1, OF 15), INSTALL THE TWO 30" PIPES ACROSS LEGION ROAD. COVER WORK AND OPEN TO THE EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD. CONTINUE PIPE INSTALLATION ON SUCCESSIVE NIGHTS UNTIL COMPLETE. WHEN COMPLETE, PAVE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, REPLACE PAVEMENT MARKINGS, AND OPEN TO THE EXISTING TRAFFIC PATTERN. (SEE SHEETS TMP-30 AND TMP-31)

STEP 5
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15), CONSTRUCT DRAINAGE AND UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT THE FOLLOWING (SEE SHEETS TMP-18 THRU TMP-29):

- RIGHT SIDE OF -L- STA. 109+50+/- TO -L- STA. 174+00+/-
- LEFT SIDE OF -L- FROM STA. 174+00+/- TO -L- STA. 263+30+/-
- Y10- FROM -Y10- STA. 10+17+/- TO -Y10- STA. 11+63+/-
- Y11- FROM -Y11- STA. 10+13+/- TO -Y11- STA. 11+34+/-
- Y13- FROM -Y13- STA. 10+16+/- TO -Y13- STA. 11+00+/-
- Y15- FROM -Y15- STA. 10+50+/- TO -Y15- STA. 11+55+/-
- Y16- FROM -Y16- STA. 10+53+/- TO -Y16- STA. 11+80+/-
- Y17- FROM -Y17- STA. 83+92+/- TO -Y17- STA. 84+49+/-
- Y19- FROM -Y19- STA. 12+25+/- TO -Y19- STA. 14+73+/-
- Y21- FROM -Y21- STA. 10+75+/- TO -Y21- STA. 11+85+/-
- Y23- FROM -Y23- STA. 12+92+/- TO -Y23- STA. 14+83+/-

PHASE III

PERFORM THE WORK OF STEPS 1 AND 2 IN A CONTINUOUS MANNER.

STEP 1
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15) WEDGE AND PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 109+50+/- TO -L- STA. 174+00+/-, PLACE NB TEMPORARY PAVEMENT MARKINGS, AND PLACE NB TRAFFIC INTO THE TRAFFIC PATTERN SHOWN ON SHEETS TMP-32 THRU TMP-43.

STEP 2
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 & 2 OF 15) WEDGE AND PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 174+00+/- TO -L- STA. 263+30+/-, PLACE SB TEMPORARY PAVEMENT MARKINGS, AND PLACE SB TRAFFIC INTO THE TRAFFIC PATTERN SHOWN ON SHEETS TMP-32 THRU TMP-43.

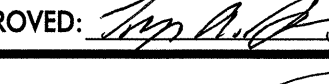
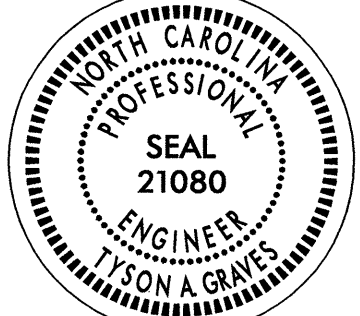
STEP 3
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 3 & 7 OF 15) AS NEEDED, CONSTRUCT THE MEDIAN AREAS OF -L- FROM -L- STA. 109+50+/- TO -L- STA. 263+30+/- . (SEE LOCAL NOTE 1)

STEP 4
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 3 & 7 OF 15) AS NEEDED, PLACE THE FINAL LAYER OF SURFACE COURSE, AND INSTALL MEDIAN ISLANDS ON -L- AND ALL -Y- LINES. (SEE LOCAL NOTE 1)

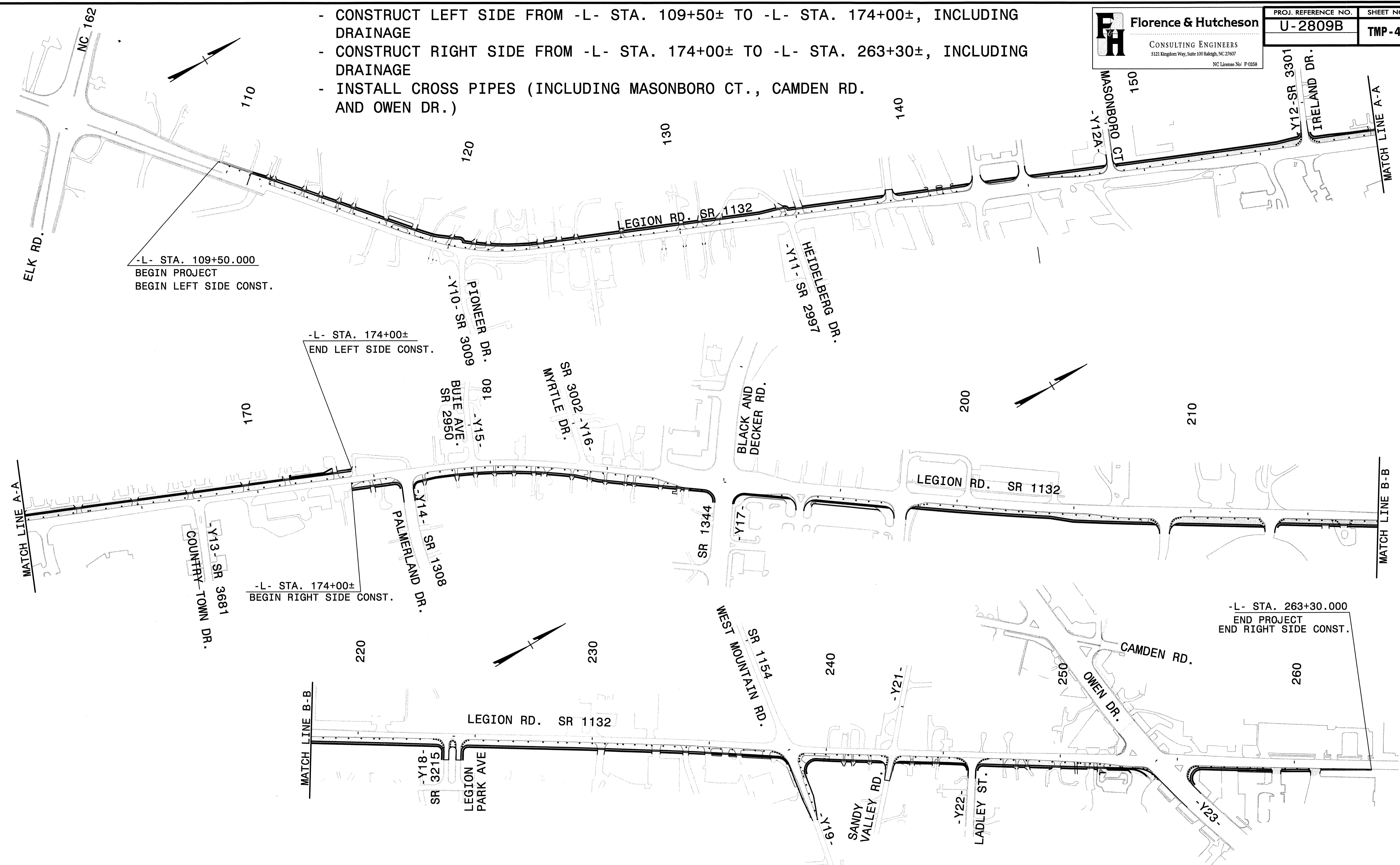
STEP 5
 USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 3 & 7 OF 15) AS NEEDED, INSTALL THE FINAL MARKINGS ON -L- AND ALL -Y- LINES AS SHOWN IN THE FINAL PAVEMENT MARKING PLANS.

STEP 6
 OPEN -L- AND ALL -Y- LINES TO FINAL TRAFFIC PATTERN.

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 Florence & Hutcheson

APPROVED:  DATE: 7-18-12	PHASING	REVISIONS	
		SCALE: NONE	
	DATE: JUNE '12		
	DWG. BY: GEP/TAG		
DESIGN BY: TAG			
REVIEWED BY: MTR			

- CONSTRUCT LEFT SIDE FROM -L- STA. 109+50± TO -L- STA. 174+00±, INCLUDING DRAINAGE
- CONSTRUCT RIGHT SIDE FROM -L- STA. 174+00± TO -L- STA. 263+30±, INCLUDING DRAINAGE
- INSTALL CROSS PIPES (INCLUDING MASONBORO CT., CAMDEN RD. AND OWEN DR.)



-L- STA. 109+50.000
 BEGIN PROJECT
 BEGIN LEFT SIDE CONST.

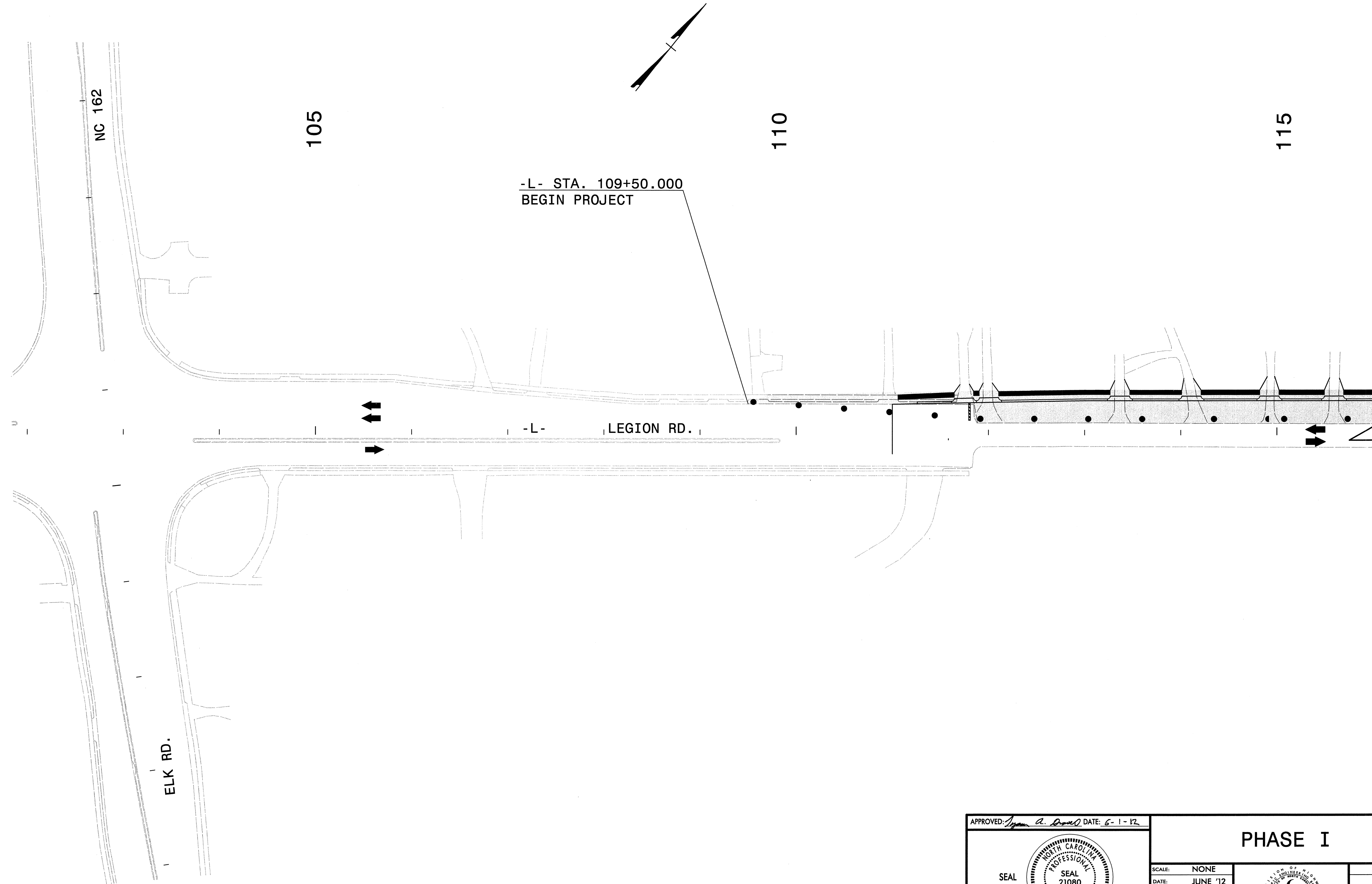
-L- STA. 174+00±
 END LEFT SIDE CONST.

-L- STA. 174+00±
 BEGIN RIGHT SIDE CONST.

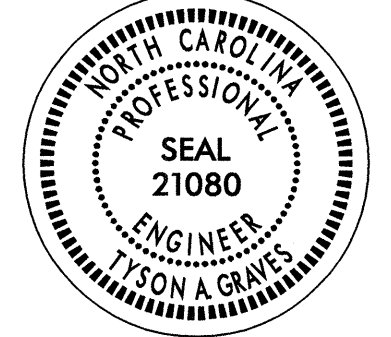
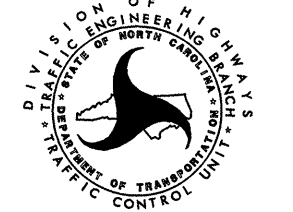
-L- STA. 263+30.000
 END PROJECT
 END RIGHT SIDE CONST.

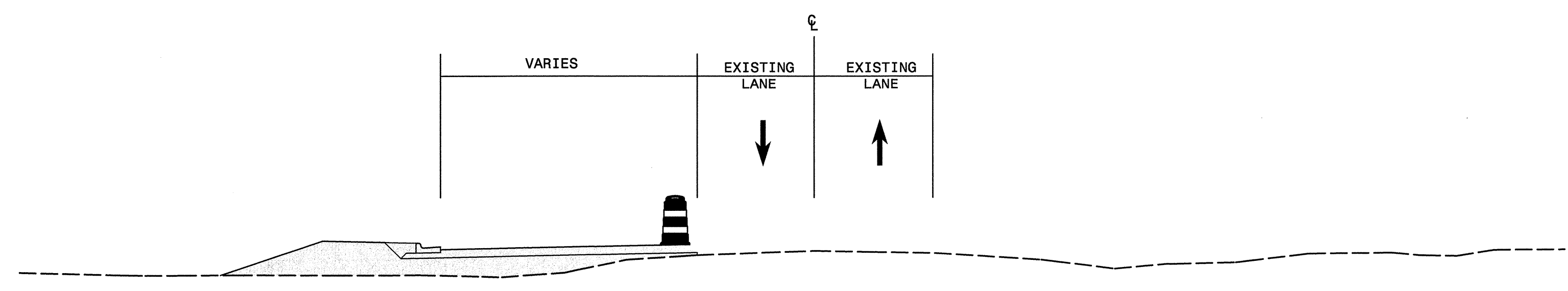
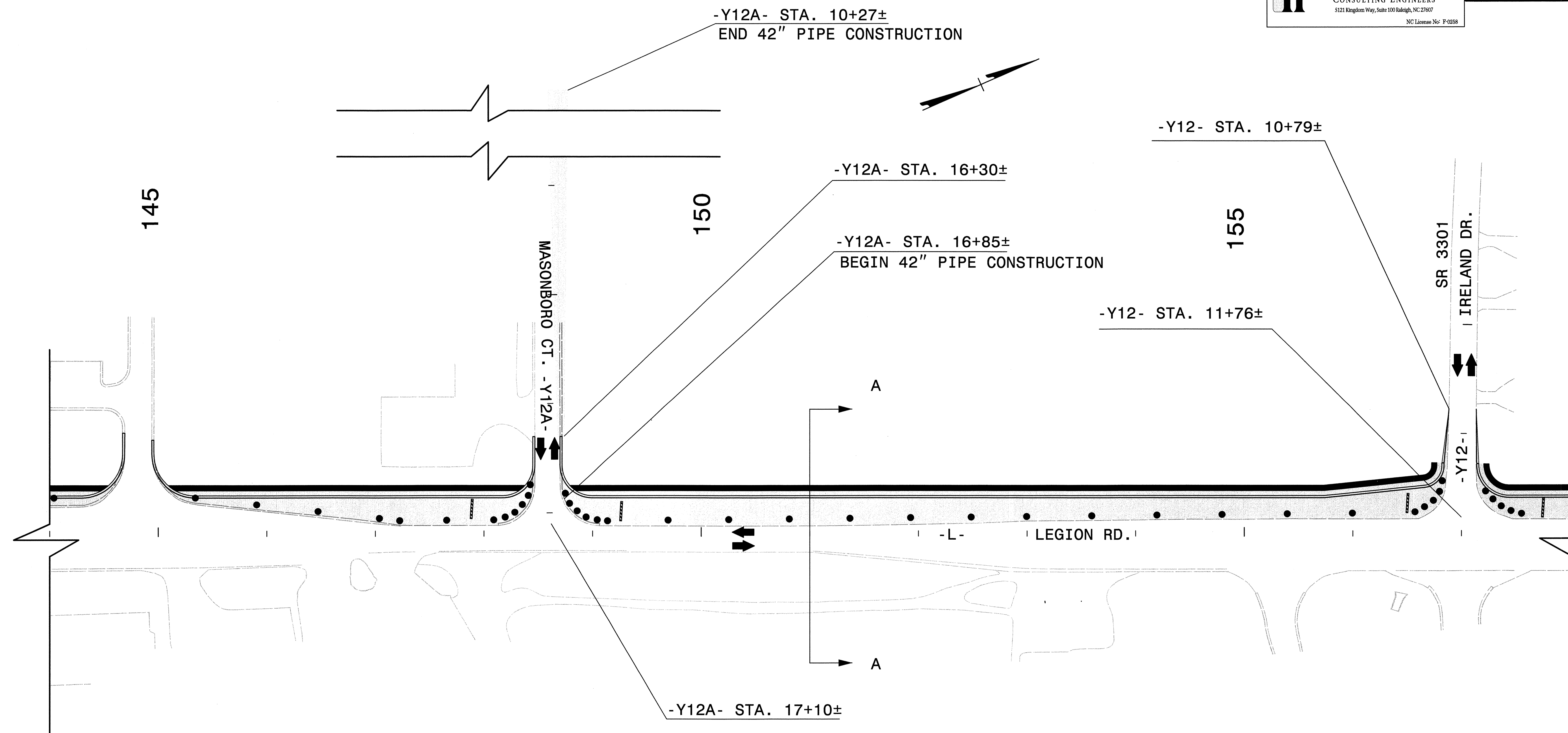
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 6/1/2012 Florence & Hutcheson

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DATE: JUNE '12		
DWG. BY: GEPTAG		
DESIGN BY: TAG		
REVIEWED BY: MTR		



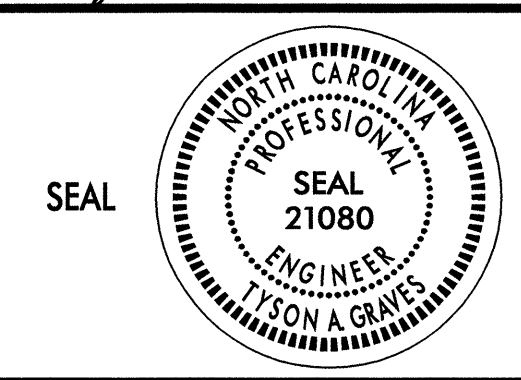
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 Florence & Hutcheson

APPROVED: <i>[Signature]</i> DATE: 6-1-12		PHASE I	
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	DWG. BY: GEP/TAG		
	DESIGN BY: TAG		
REVIEWED BY: MTR			CADD FILE



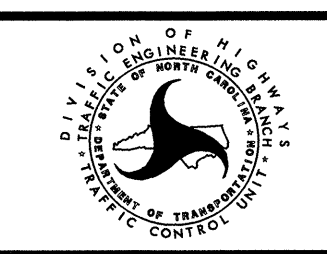
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APPROVED: *Jean A. Brown* DATE: 6-1-12



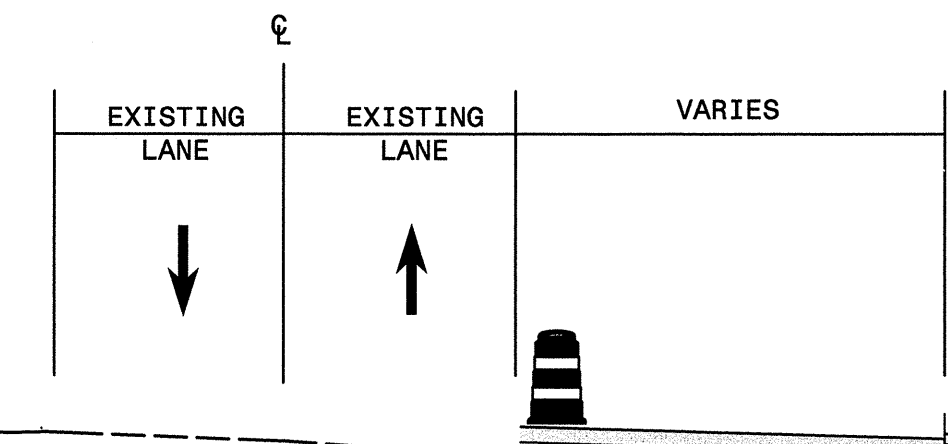
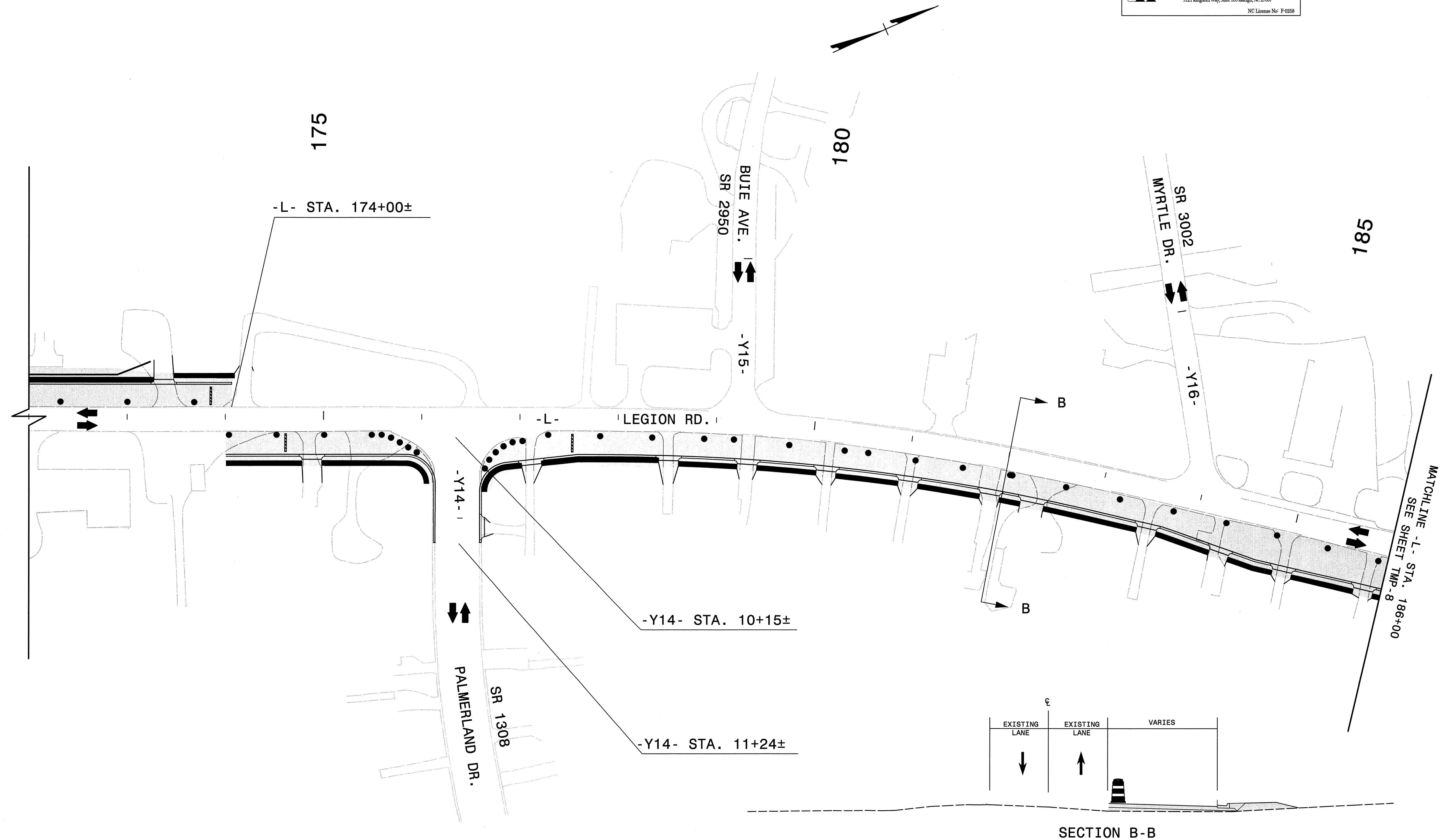
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REVISIONS

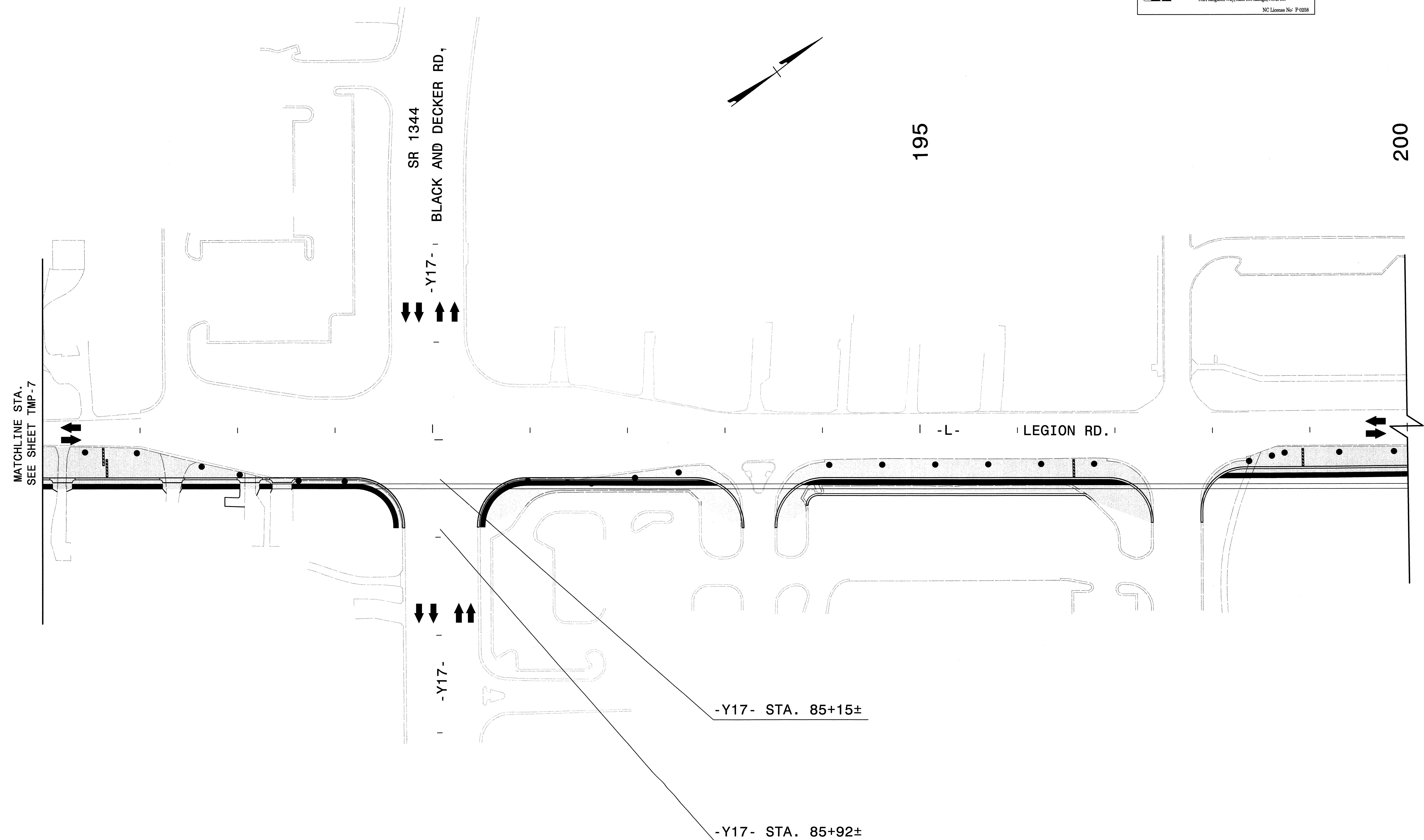
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 Florence & Hutcheson




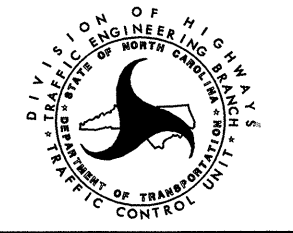
SECTION B-B

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APPROVED: <i>Jason A. Davis</i> DATE: 6-1-12	PHASE I		REVISIONS	
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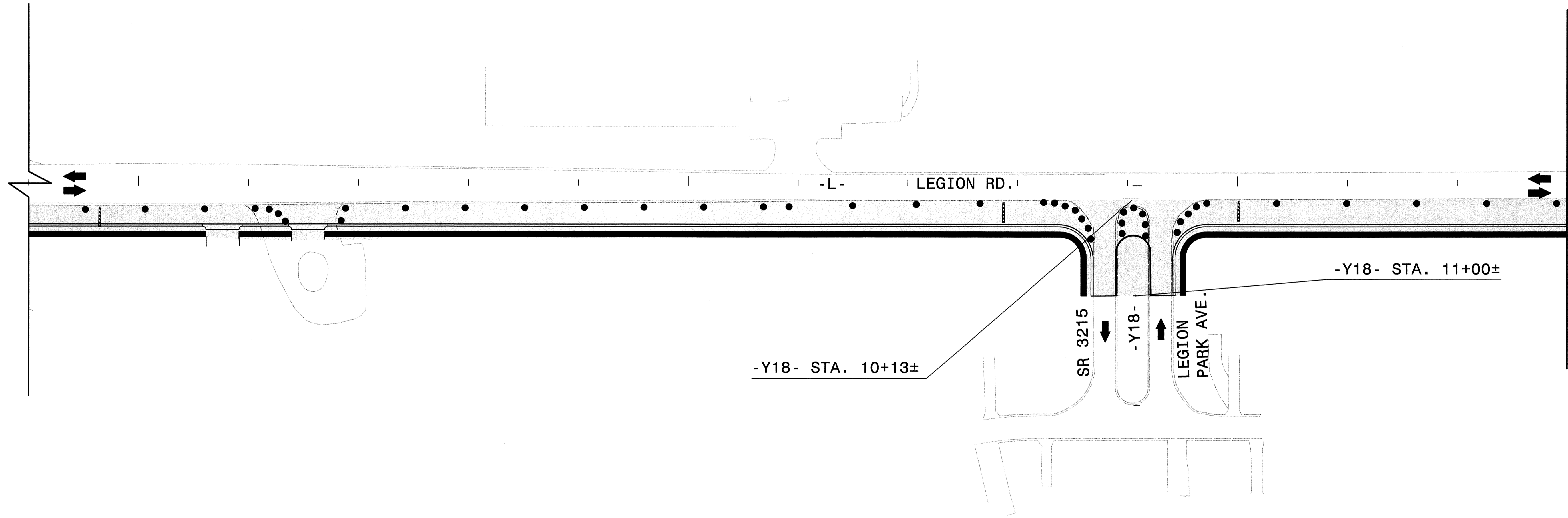
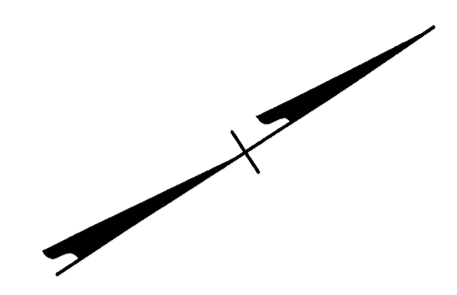
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APPROVED: <i>[Signature]</i> DATE: 6-1-12 	PHASE I							
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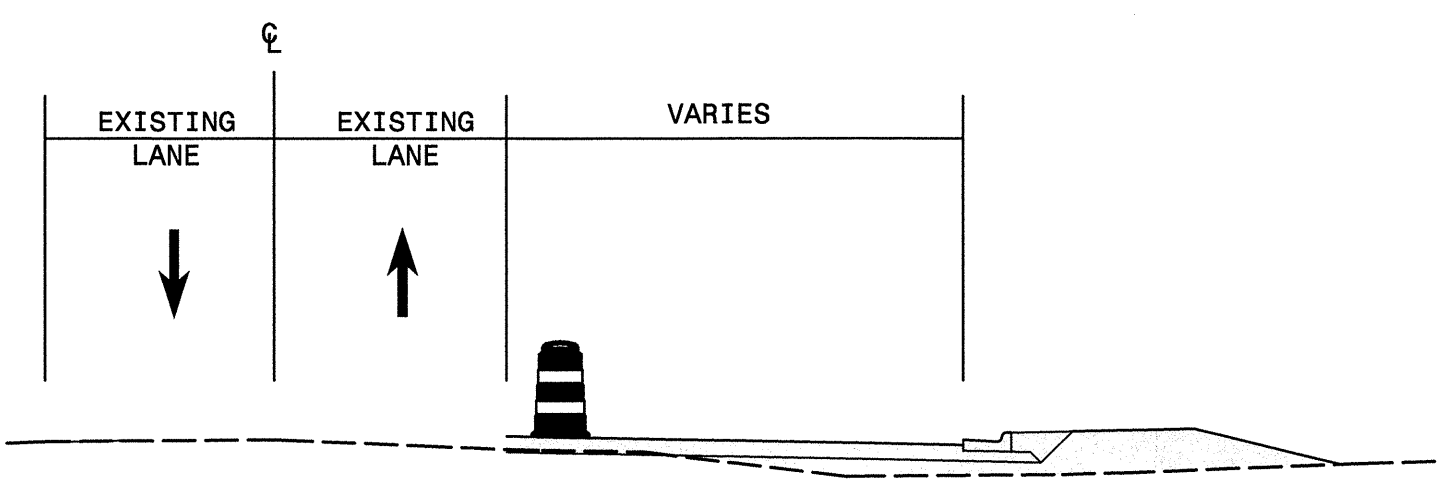
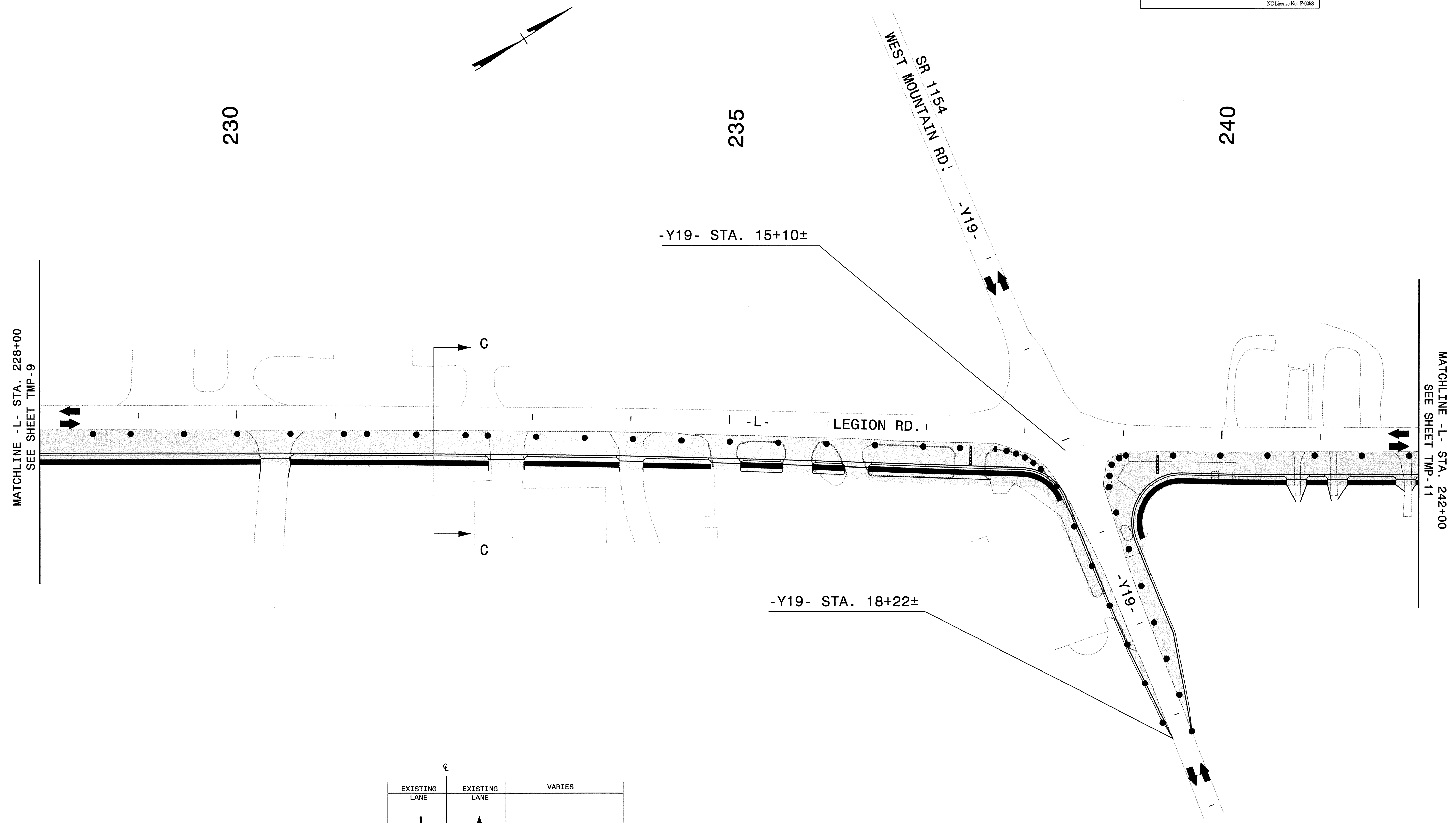
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MATCHLINE -L- STA. 228+00
SEE SHEET TMP-10

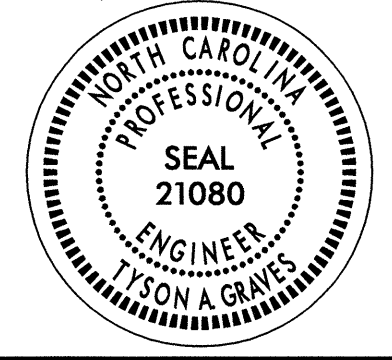
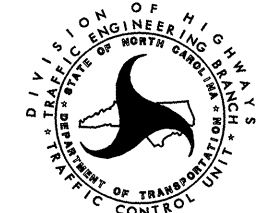
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 Florence & Hutcheson

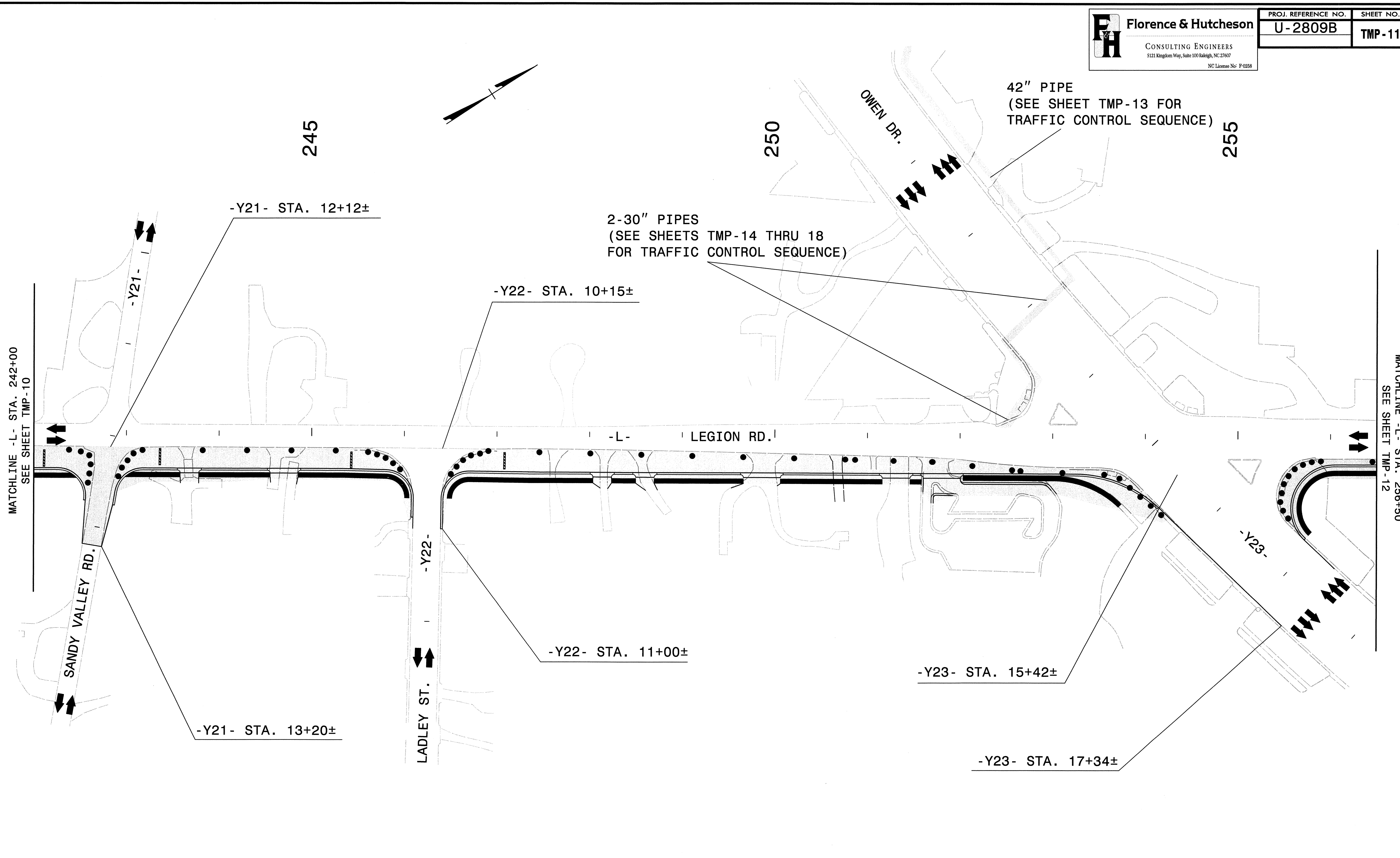
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	DATE: JUNE '12		
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SECTION C-C

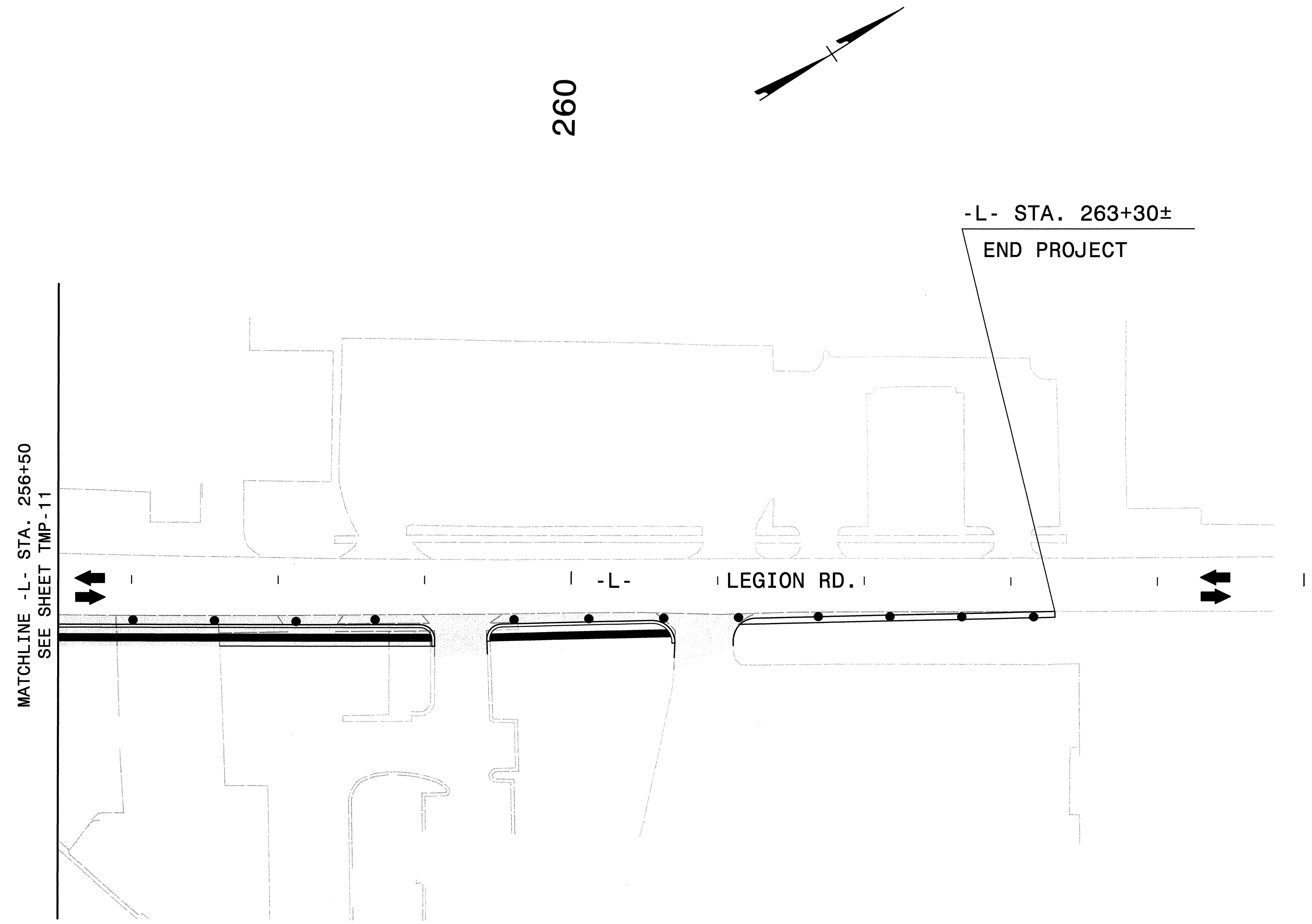
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DATE: JUNE '12		
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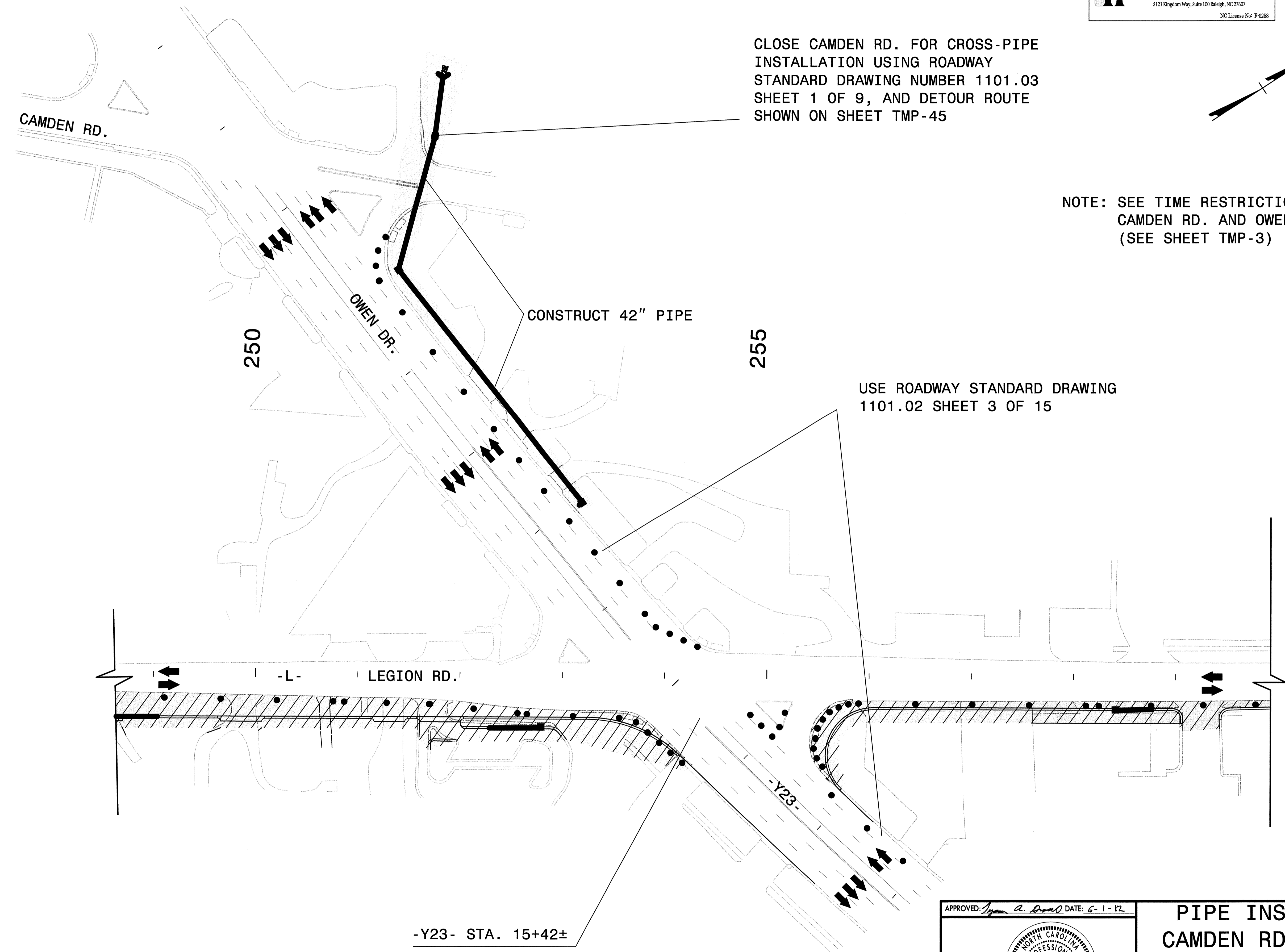
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 6575/2809B & 7/16/2012

APPROVED: <i>John A. Davis</i> DATE: 6-1-12	PHASE I				
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REVISIONS					



6/1/2012
 Project: Florence & Hutcheson
 Drawing: U-2809B-TMP-12.dwg
 Author: J. A. Davis
 Date: 6-1-12

APPROVED: <i>J. A. Davis</i> DATE: 6-1-12		PHASE I	
SEAL 	SCALE: NONE		REVISIONS
	DATE: JUNE '12		
	DWG. BY: GEPTAG		
	DESIGN BY: TAG		
REVIEWED BY: MTR			



CLOSE CAMDEN RD. FOR CROSS-PIPE
 INSTALLATION USING ROADWAY
 STANDARD DRAWING NUMBER 1101.03
 SHEET 1 OF 9, AND DETOUR ROUTE
 SHOWN ON SHEET TMP-45

NOTE: SEE TIME RESTRICTIONS FOR
 CAMDEN RD. AND OWEN DR.
 (SEE SHEET TMP-3)

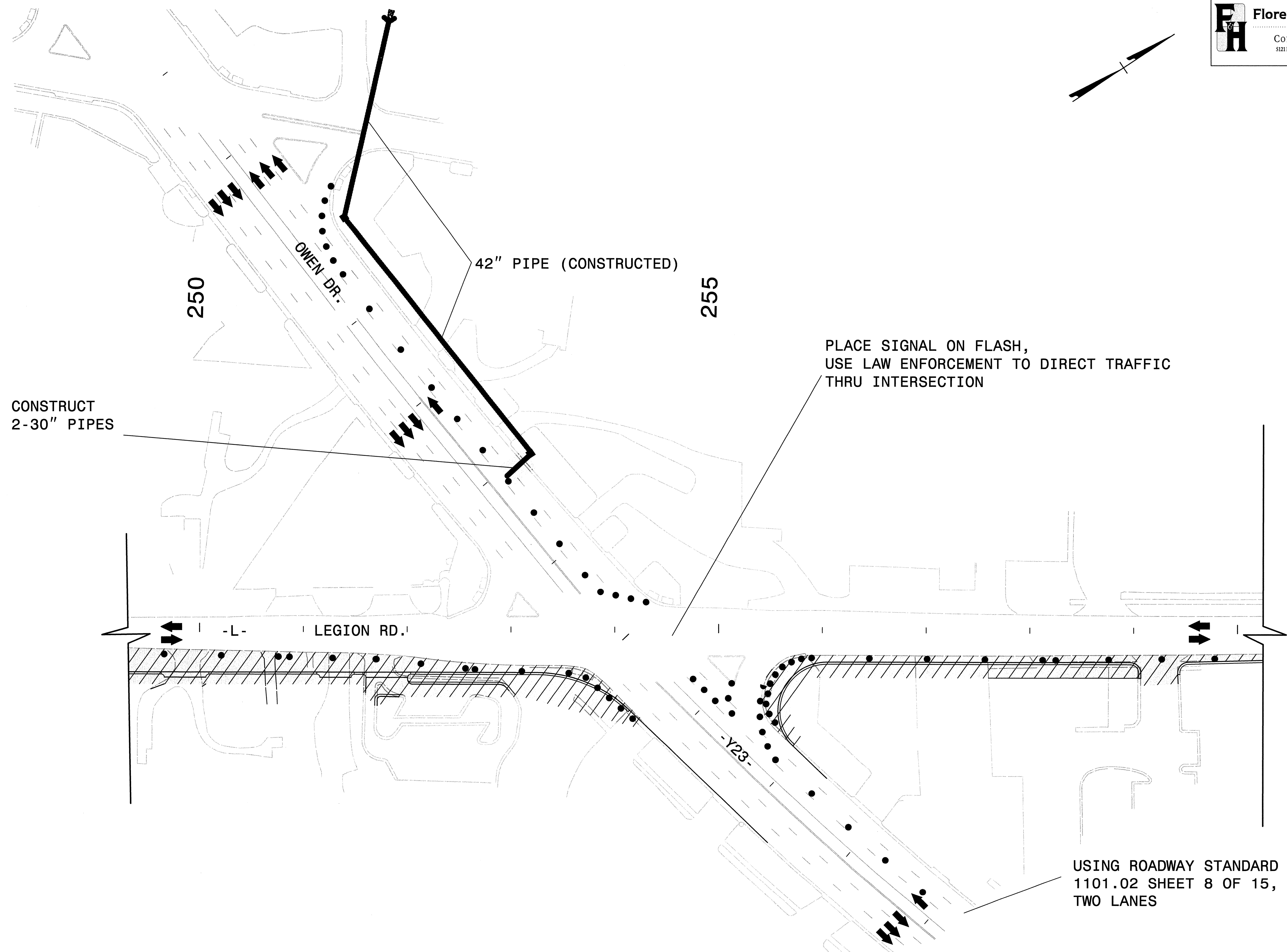
CONSTRUCT 42" PIPE

USE ROADWAY STANDARD DRAWING
 1101.02 SHEET 3 OF 15

-Y23- STA. 15+42±

LADLEY ST
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 2012/06/01/11:11:11.dgn
 2012/06/01/11:11:11.dgn
 2012/06/01/11:11:11.dgn

APPROVED: <i>Jean A. Davis</i> DATE: 6-1-12		PIPE INSTALLATION CAMDEN RD & OWEN DR			REVISIONS	
SCALE:	NONE					
DATE:	JUNE '12					
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REVIEWED BY:	MTR					




CONSTRUCT
2-30" PIPES

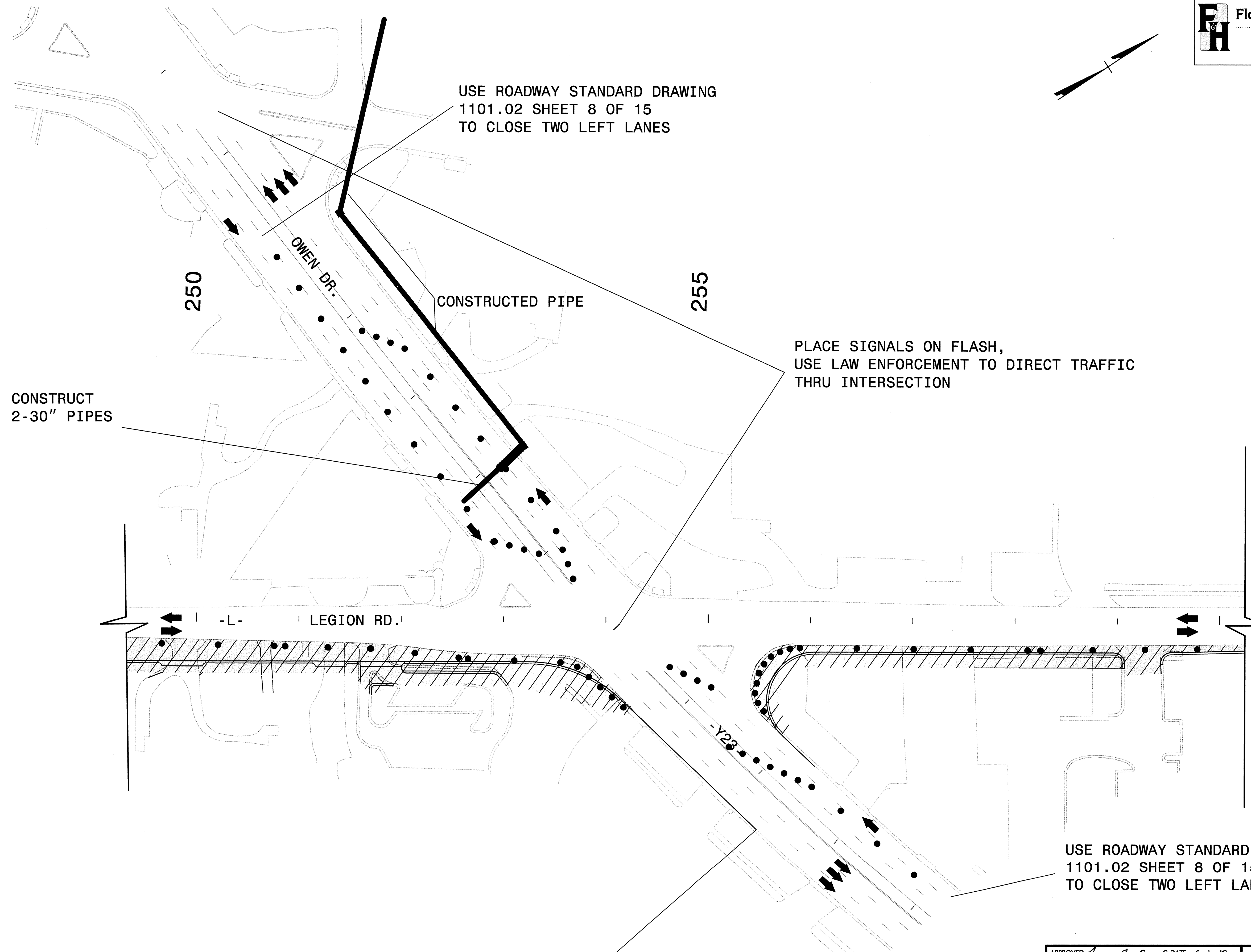
42" PIPE (CONSTRUCTED)

PLACE SIGNAL ON FLASH,
USE LAW ENFORCEMENT TO DIRECT TRAFFIC
THRU INTERSECTION

USING ROADWAY STANDARD DRAWING NUMBER
1101.02 SHEET 8 OF 15, CLOSE THE RIGHT
TWO LANES

6/1/2012
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 6/1/2012 10:00 AM
 FLORENCE & HUTCHESON

APPROVED: <i>Jason A. Davis</i> DATE: 6-1-12		PIPE INSTALLATION OWEN DR	
SEAL 	SCALE: NONE		
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	DWG. BY: GEP/TAG		
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USE ROADWAY STANDARD DRAWING
1101.02 SHEET 8 OF 15
TO CLOSE TWO LEFT LANES

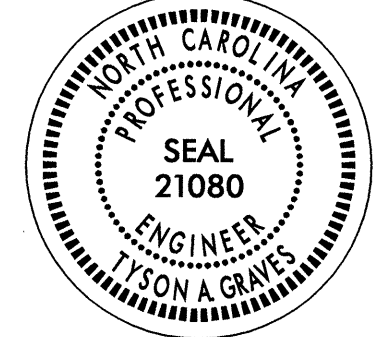

PLACE SIGNALS ON FLASH,
USE LAW ENFORCEMENT TO DIRECT TRAFFIC
THRU INTERSECTION

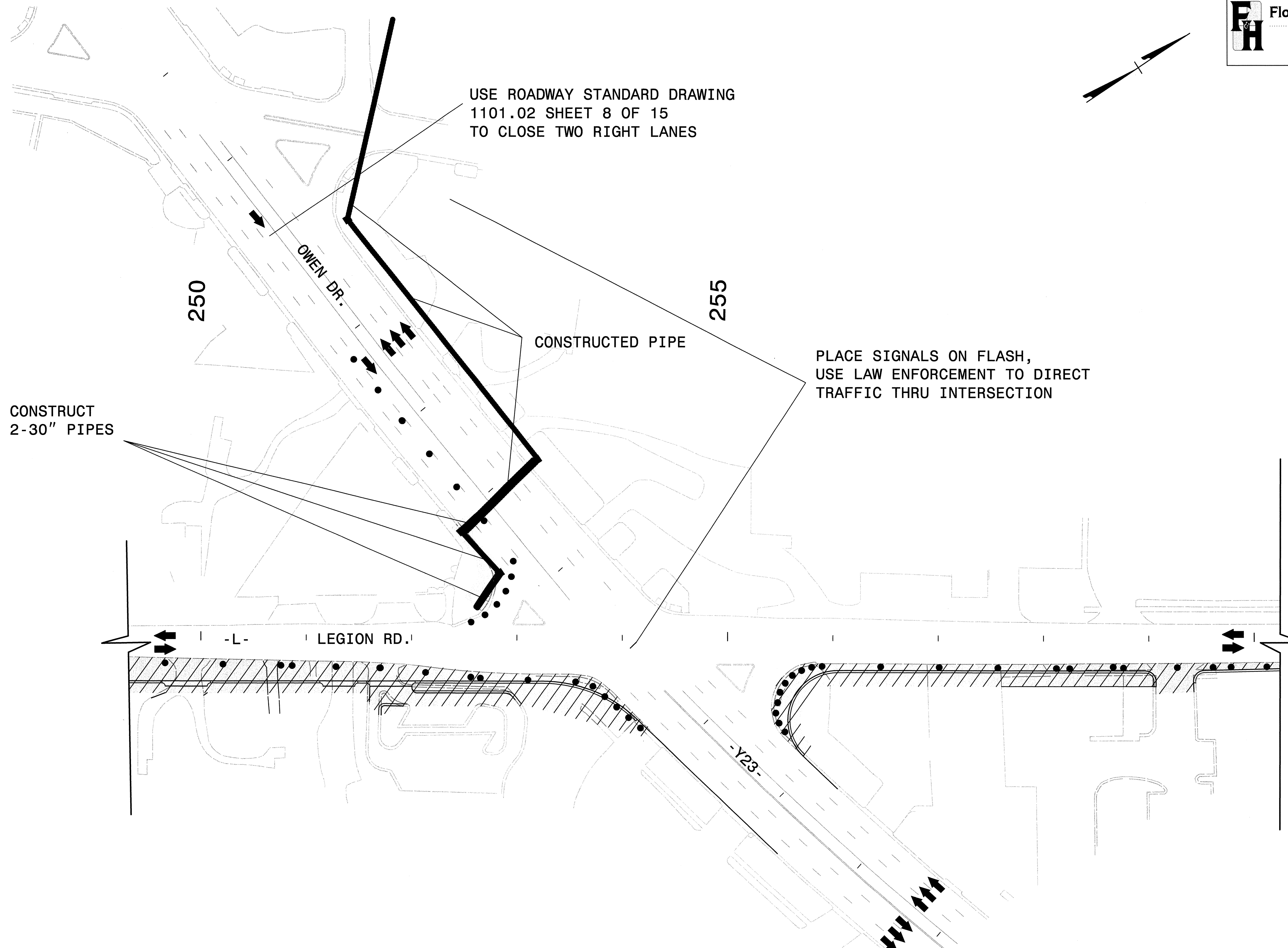
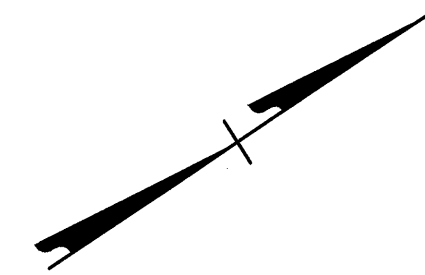
CONSTRUCT
2-30" PIPES

USE ROADWAY STANDARD DRAWING
1101.02 SHEET 8 OF 15
TO CLOSE TWO LEFT LANES

-Y23- STA. 17+34±

6/1/2012
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 Florence & Hutcheson

APPROVED: <i>[Signature]</i> DATE: 6-1-12		PIPE INSTALLATION OWEN DR		
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	DATE: JUNE '12			
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USE ROADWAY STANDARD DRAWING
 1101.02 SHEET 8 OF 15
 TO CLOSE TWO RIGHT LANES

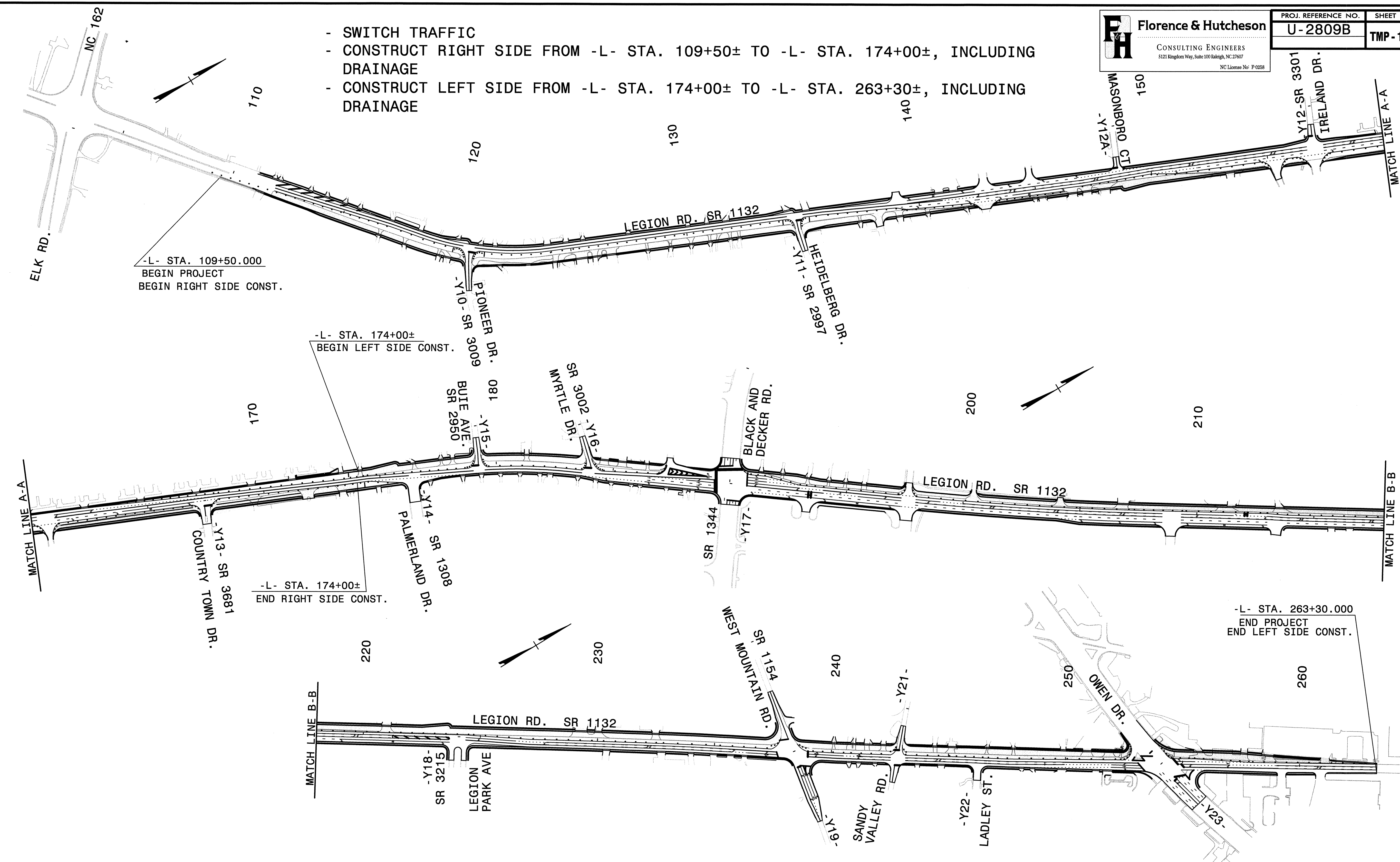
CONSTRUCT
 2-30" PIPES

PLACE SIGNALS ON FLASH,
 USE LAW ENFORCEMENT TO DIRECT
 TRAFFIC THRU INTERSECTION

6/1/2012
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 Florence & Hutcheson

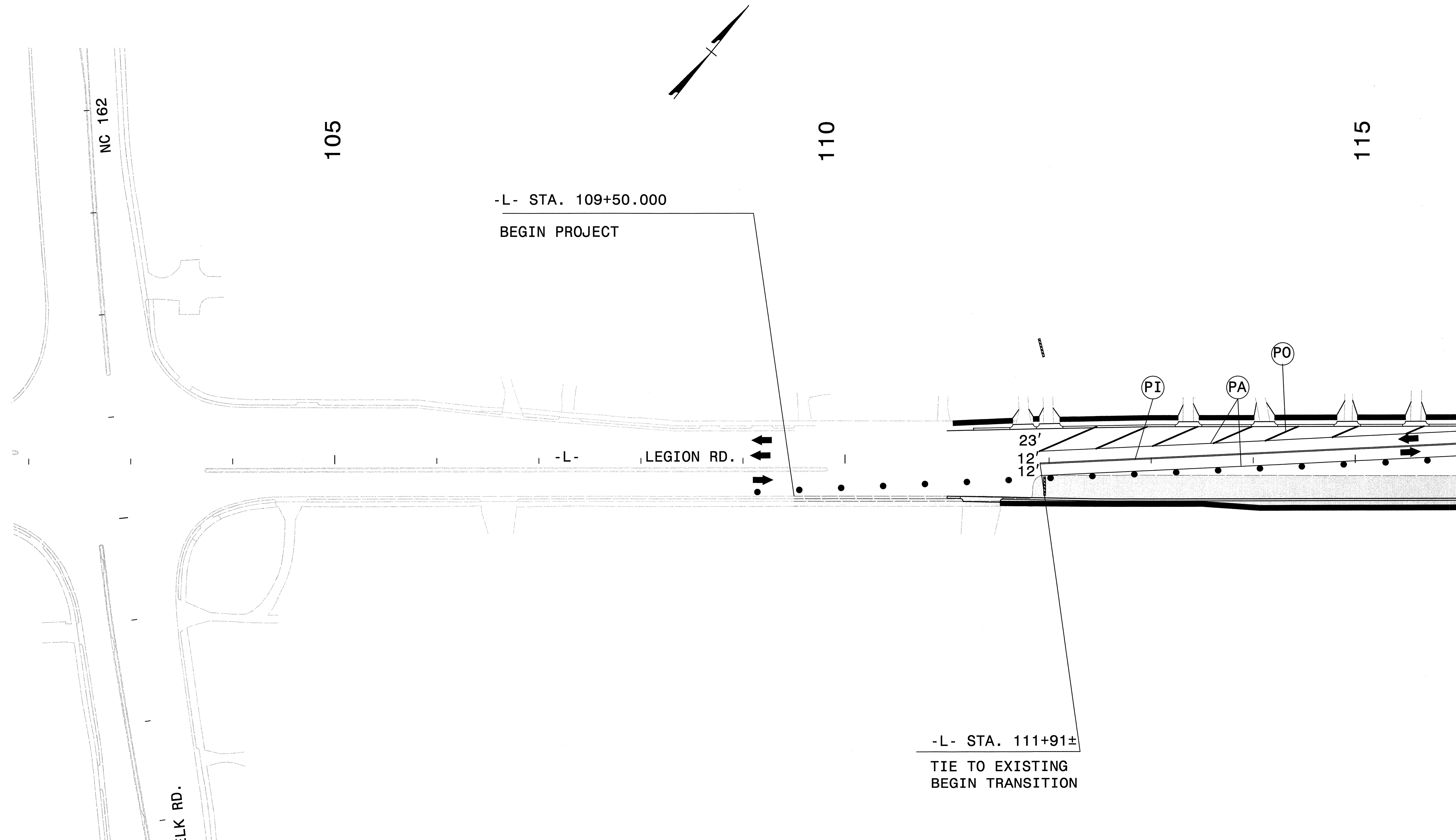
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SEAL		
	SCALE: NONE	
	DATE: JUNE '12	
	DWG. BY: GEPTAG	
	DESIGN BY: TAG	
REVIEWED BY: MTR	REVISIONS	

- SWITCH TRAFFIC
- CONSTRUCT RIGHT SIDE FROM -L- STA. 109+50± TO -L- STA. 174+00±, INCLUDING DRAINAGE
- CONSTRUCT LEFT SIDE FROM -L- STA. 174+00± TO -L- STA. 263+30±, INCLUDING DRAINAGE

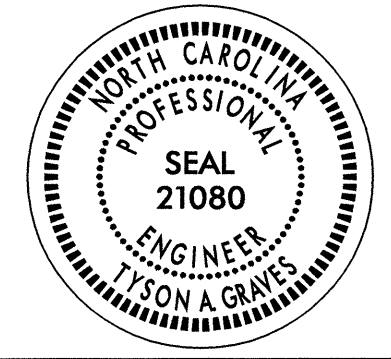
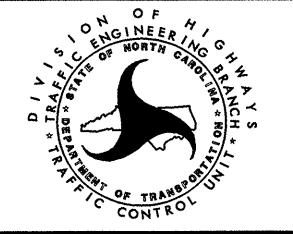


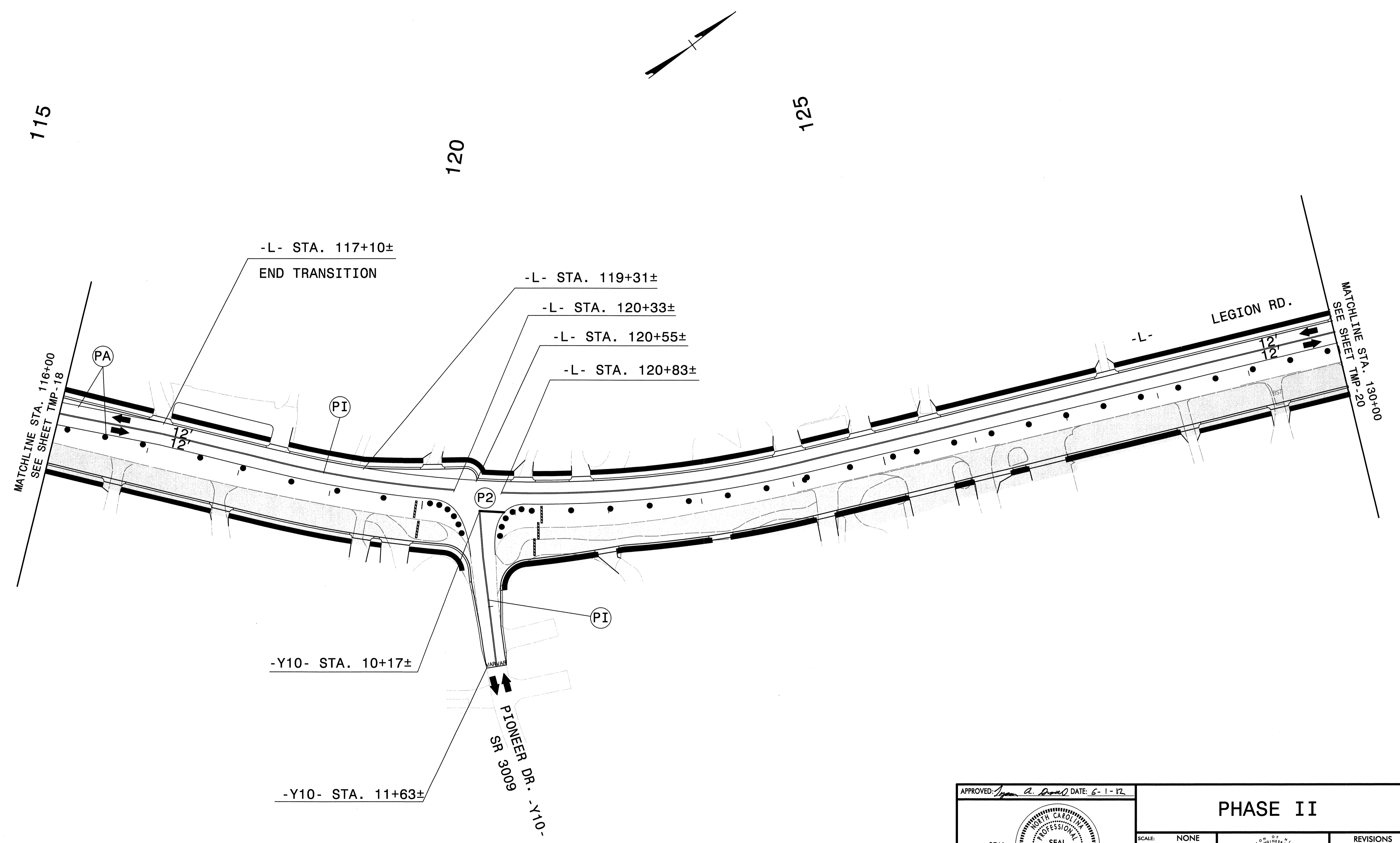
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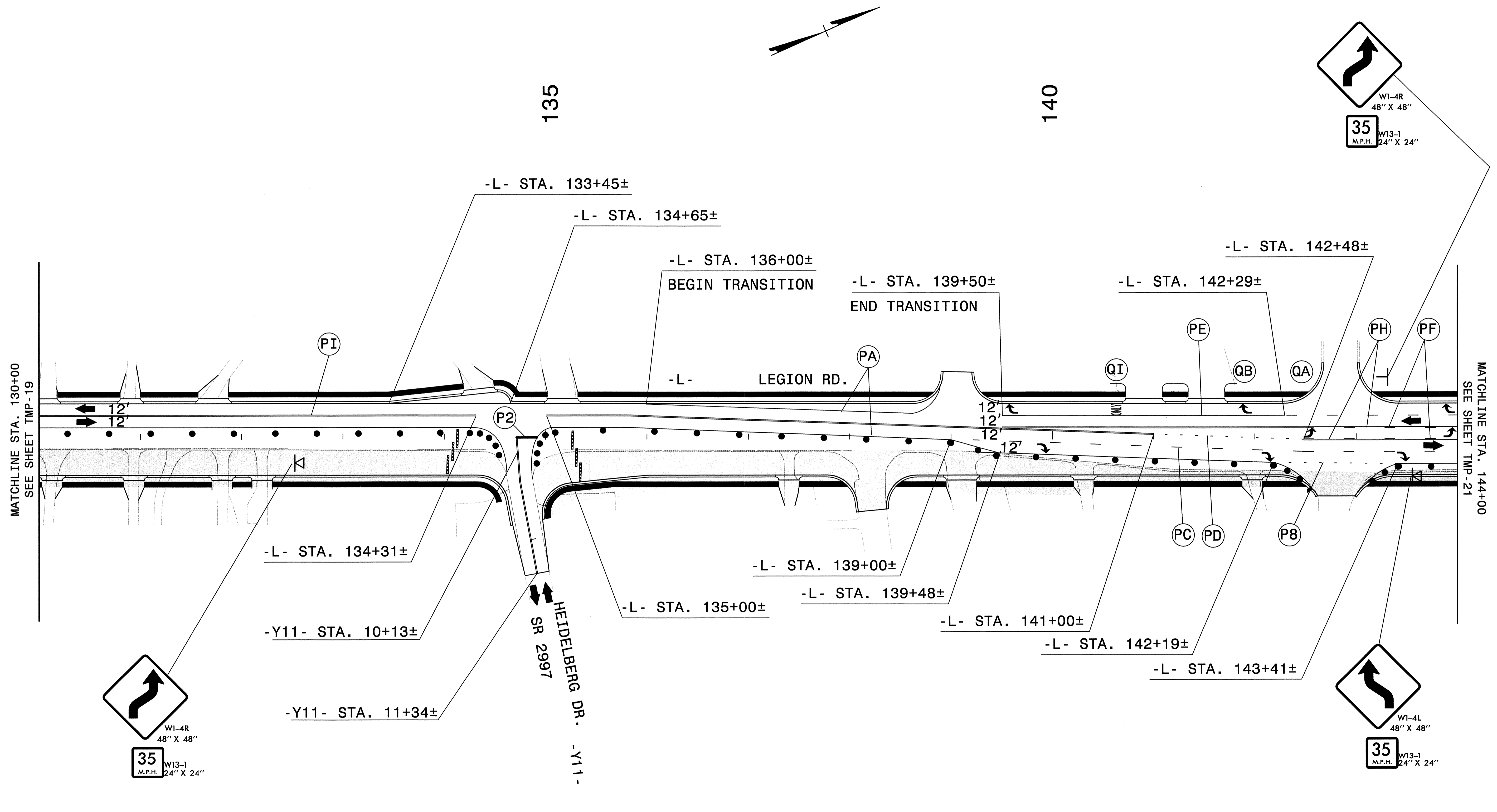
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APPROVED: <i>J. A. Davis</i> DATE: 6-1-12 	PHASE II							
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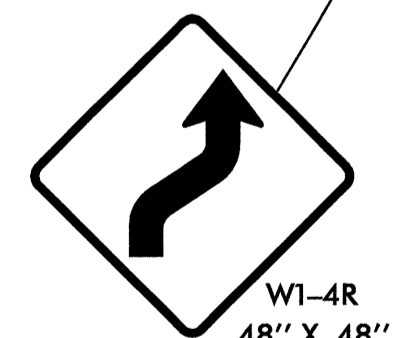
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 FLORENCE & HUTCHESON

APPROVED: <i>John A. Dore</i> DATE: 6-1-12 	<h2>PHASE II</h2>	SCALE: NONE DATE: JUNE '12 DWG. BY: GEP/TAG DESIGN BY: TAG REVIEWED BY: MTR	<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS							
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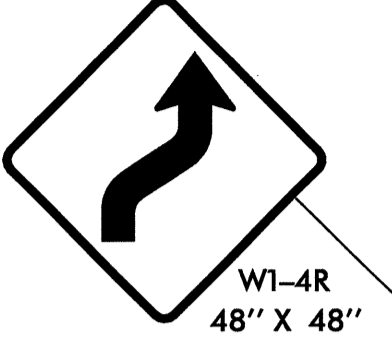


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SEE SHEET TMP-19

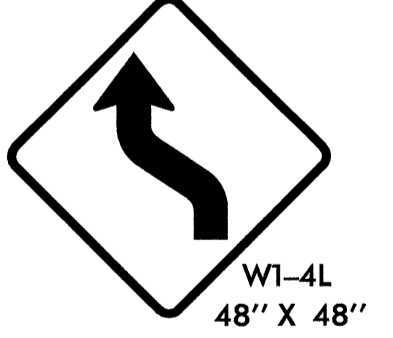
MATCHLINE STA. 144+00
SEE SHEET TMP-21



35
M.P.H.
W13-1
24" X 24"



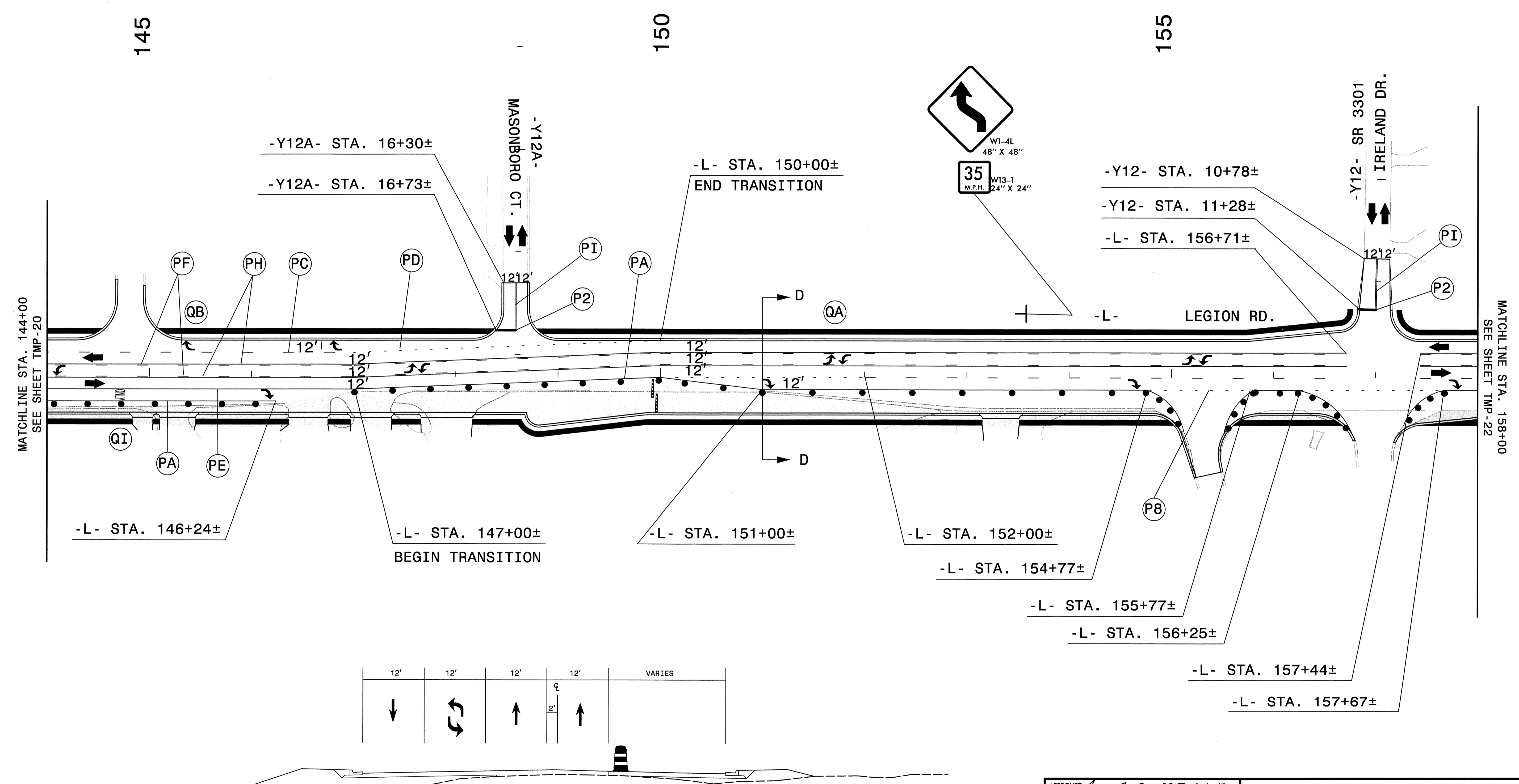
35
M.P.H.
W13-1
24" X 24"



35
M.P.H.
W13-1
24" X 24"

6/1/2012
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Florence & Hutcheson

APPROVED: <i>[Signature]</i> DATE: 6-1-12		PHASE II	
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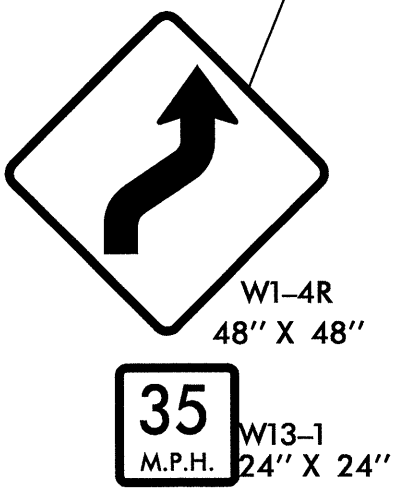
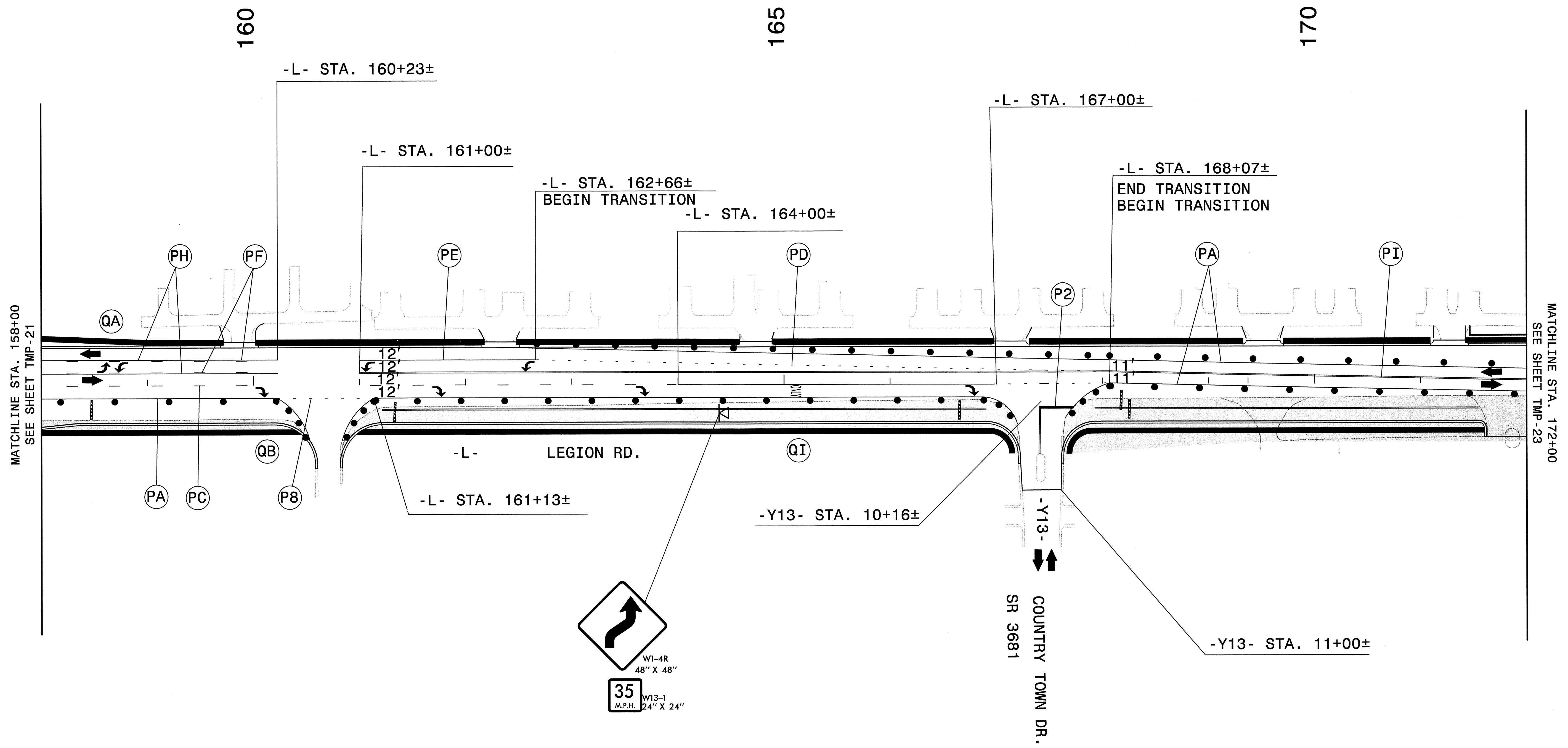
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APPROVED: *Jason A. Dwyer* DATE: 6-1-12


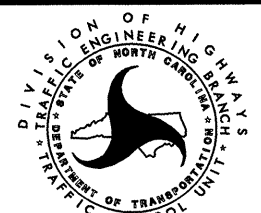
SEAL
 NORTH CAROLINA
 PROFESSIONAL
 ENGINEER
 SEAL
 21080
 LYON A. GRUBB

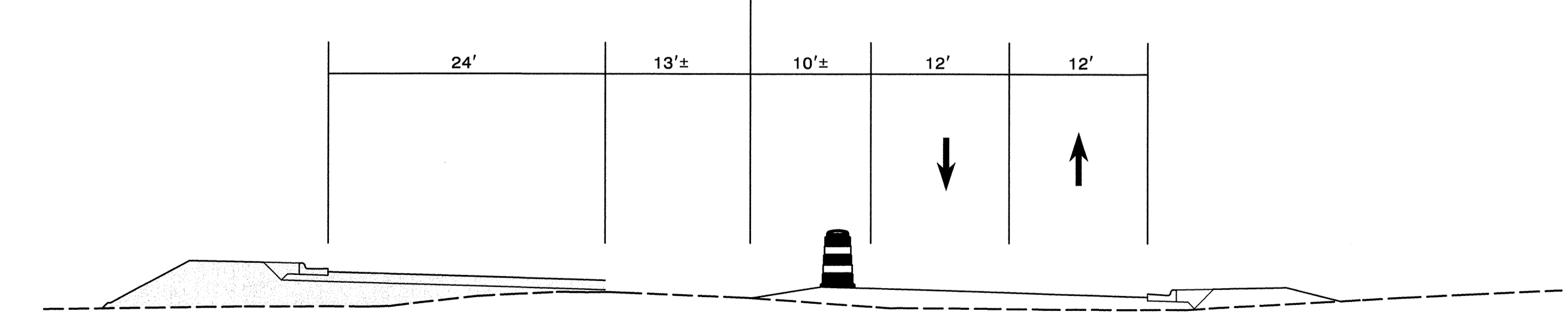
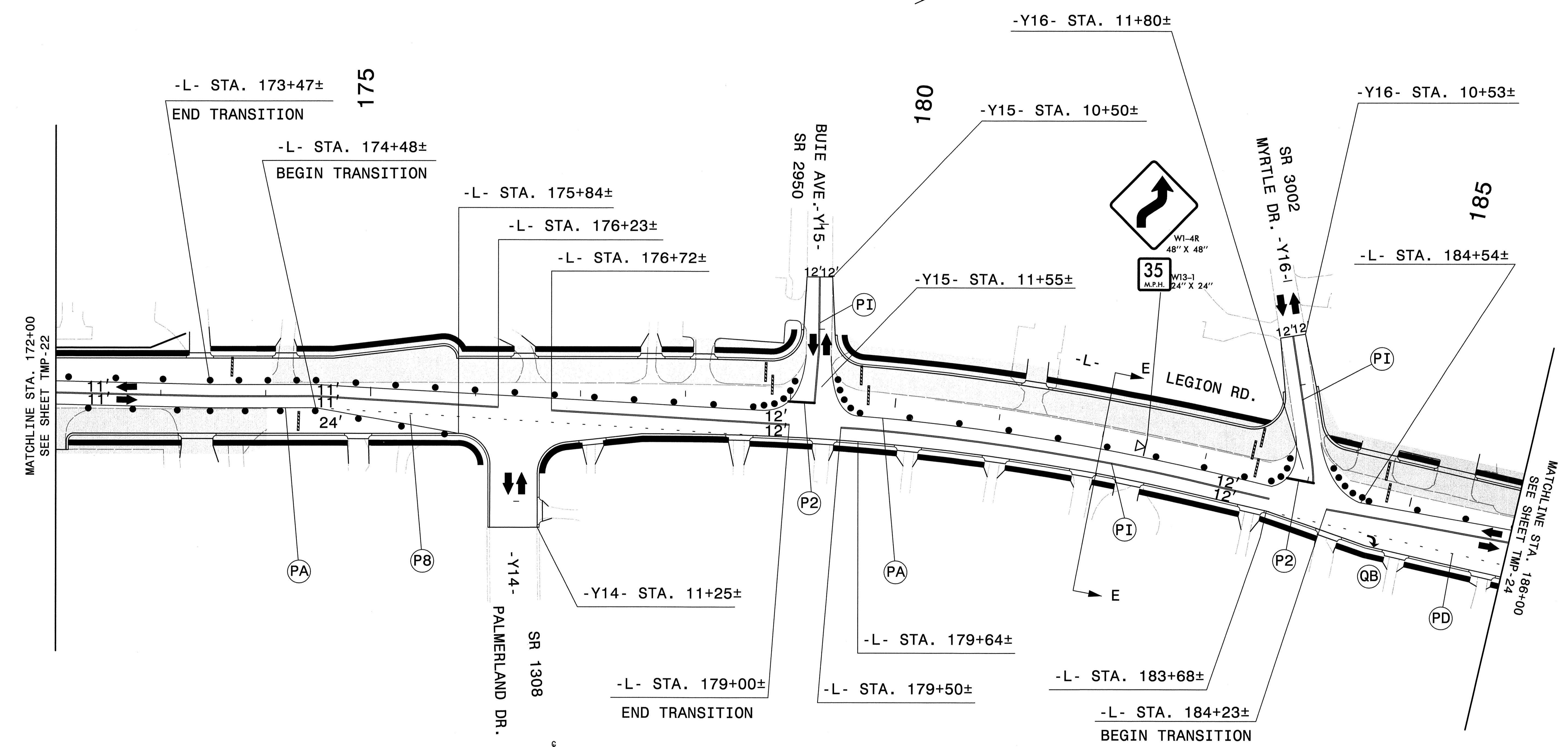
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6/1/2012
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 G. & H.

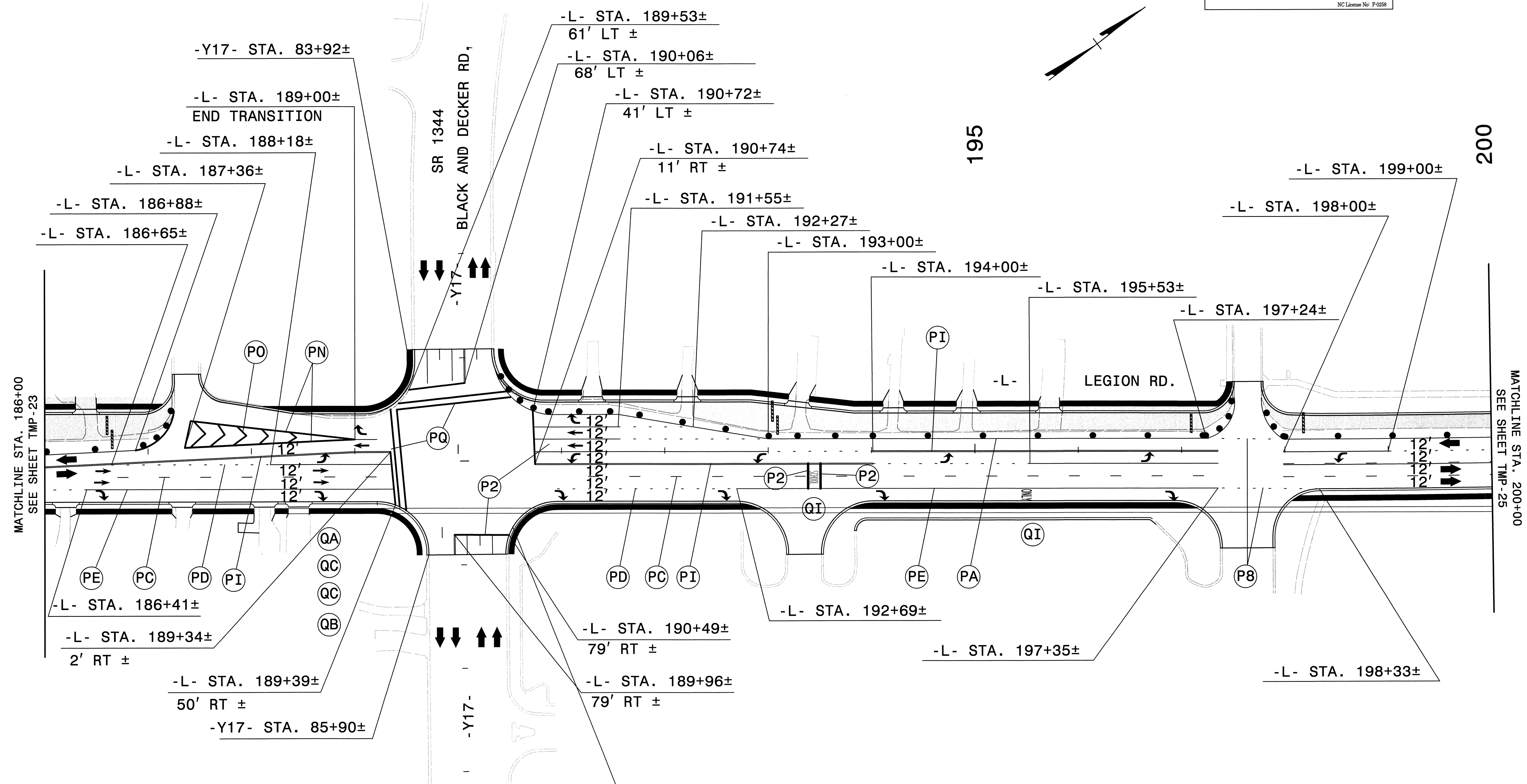
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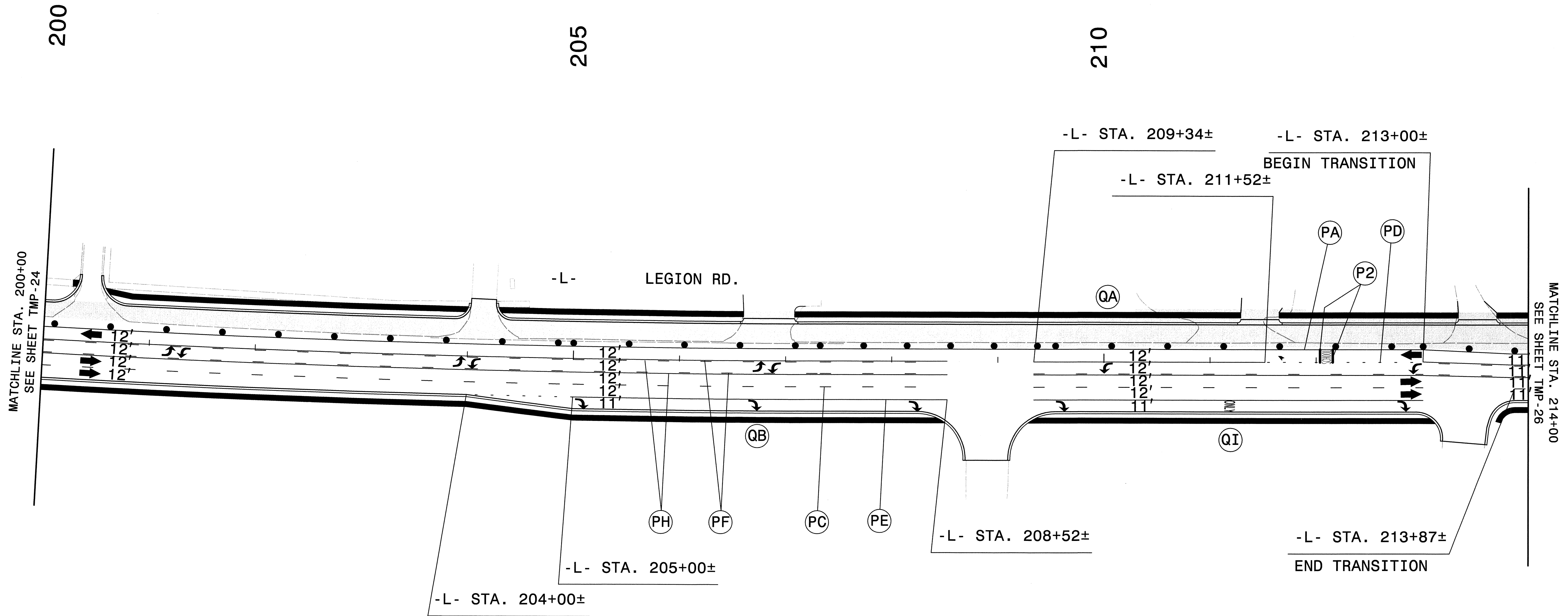
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6/1/2012
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 User: jhutcheson



6/1/2012
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APPROVED: <i>[Signature]</i> DATE: 6-1-12	PHASE II							
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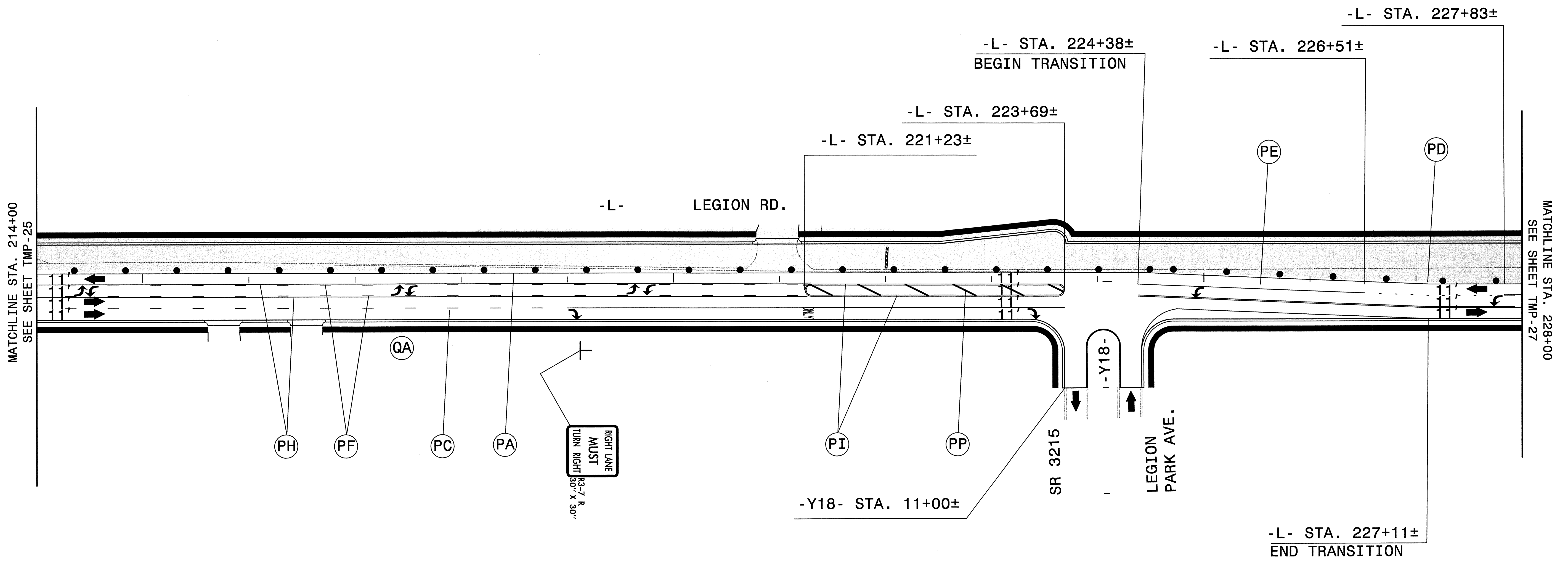
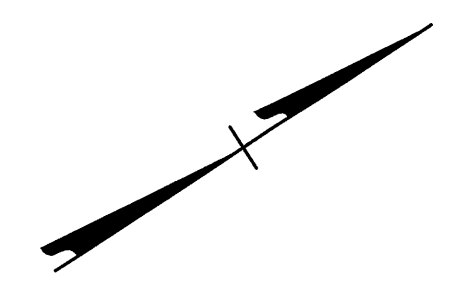
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 FLORENCE & HUTCHESON

APPROVED: <i>Jason A. Dwyer</i> DATE: 6-1-12 <div style="text-align: center;"> SEAL SEAL 21080 JASON A. DWYER PROFESSIONAL ENGINEER NORTH CAROLINA </div>	<h2 style="margin: 0;">PHASE II</h2>	<table border="1" style="width: 100%;"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td style="width: 50%;">NO.</td> <td style="width: 50%;">DESCRIPTION</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS		NO.	DESCRIPTION				
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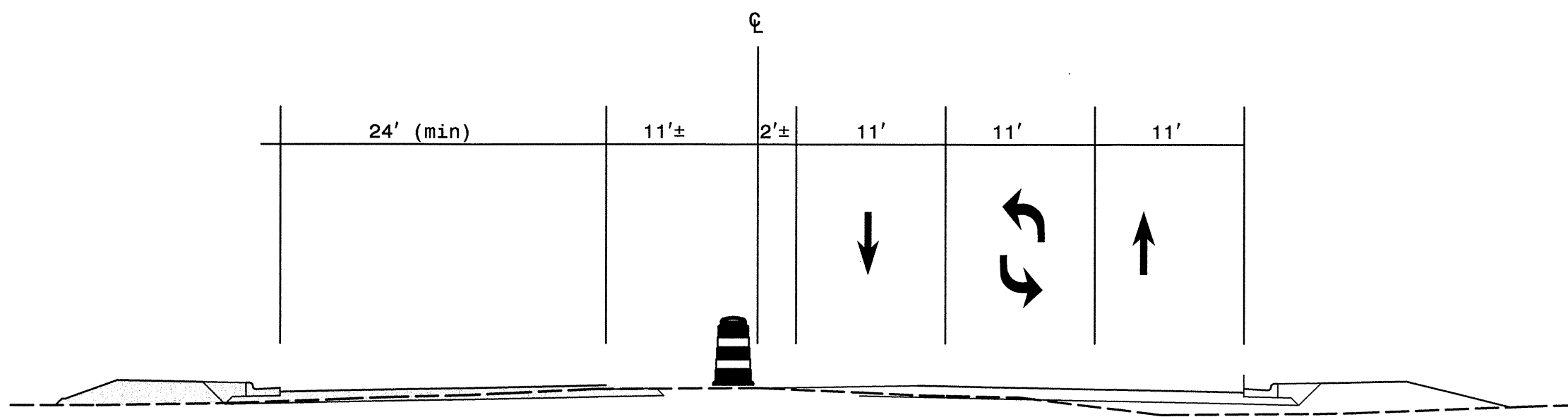
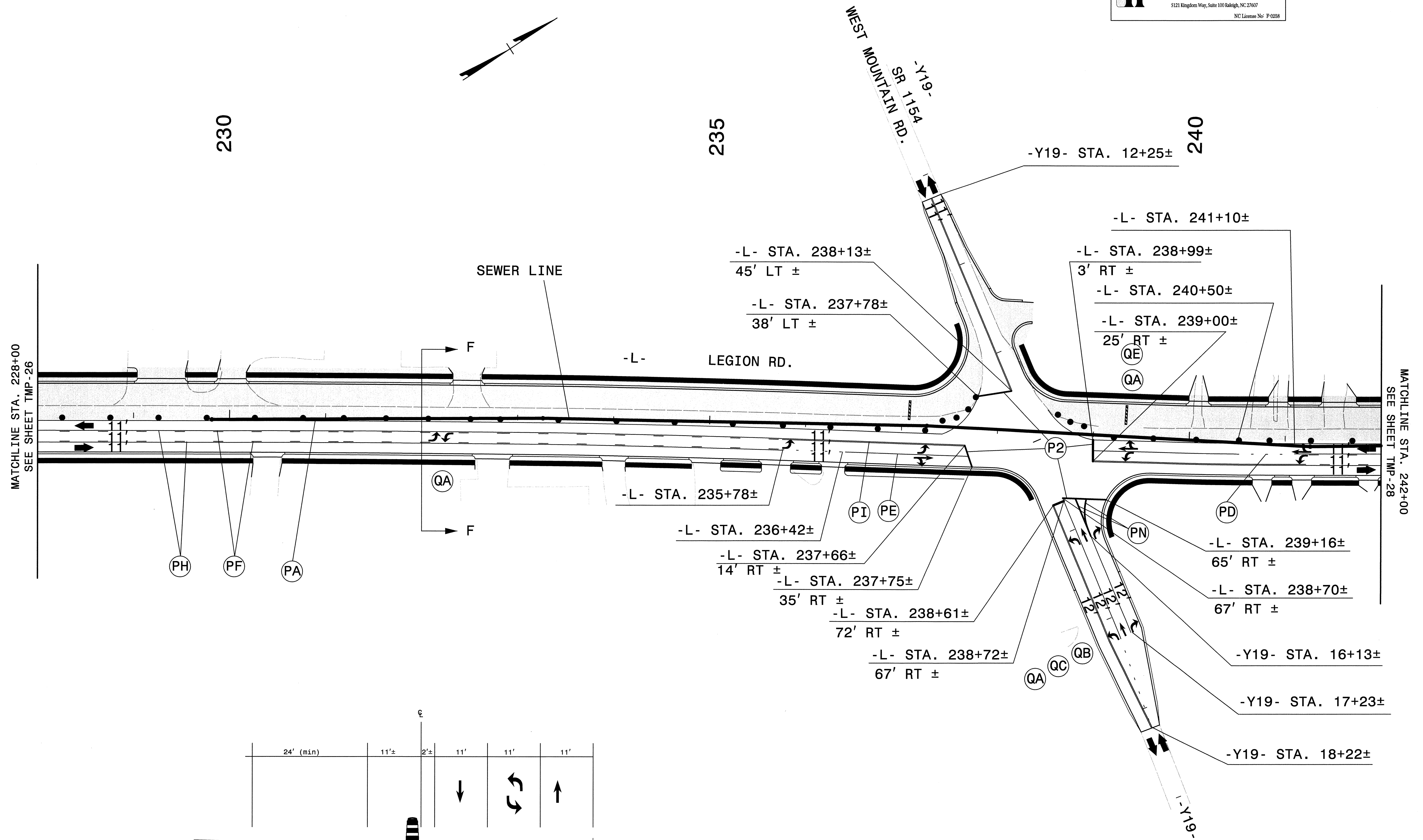
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SECTION F-F

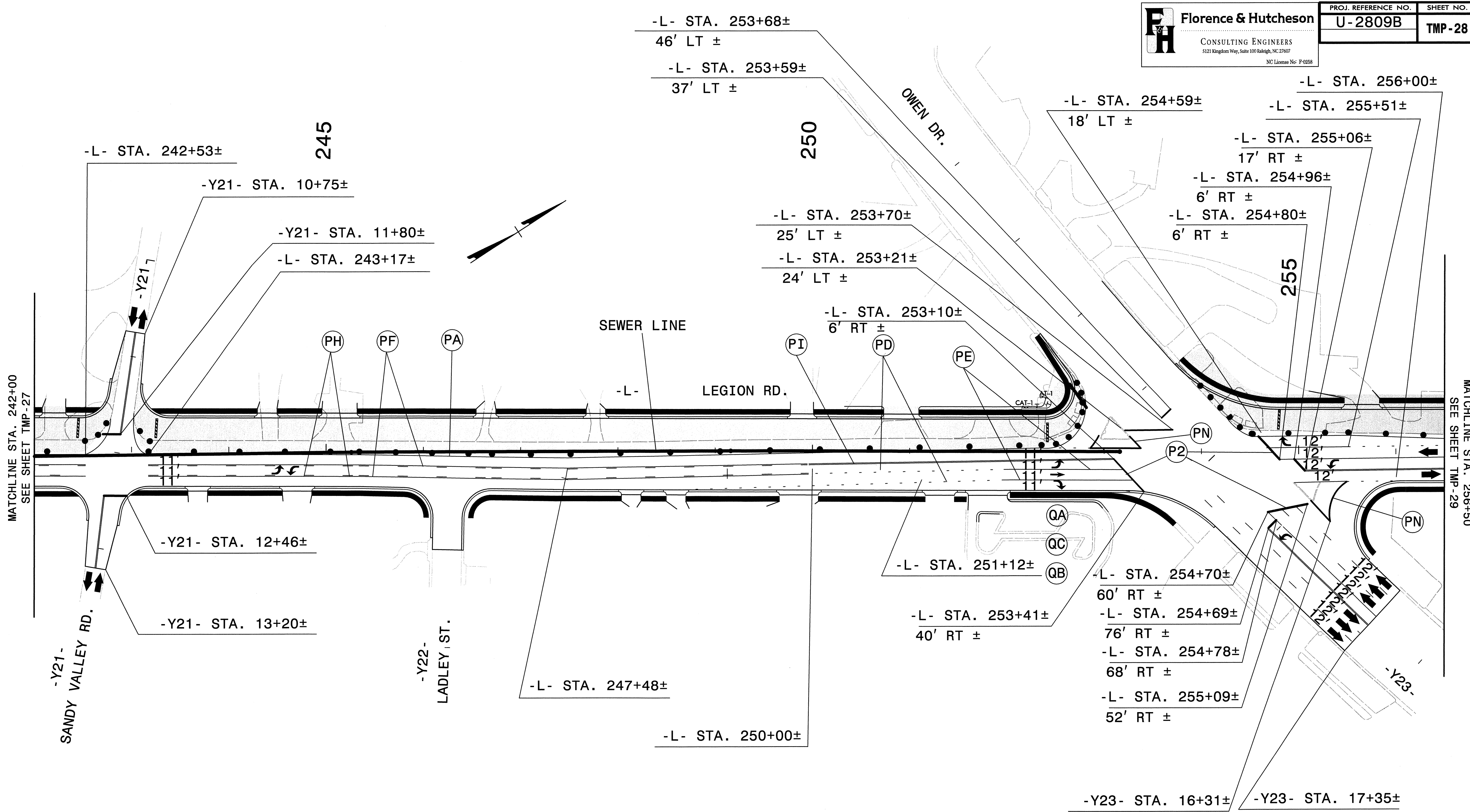
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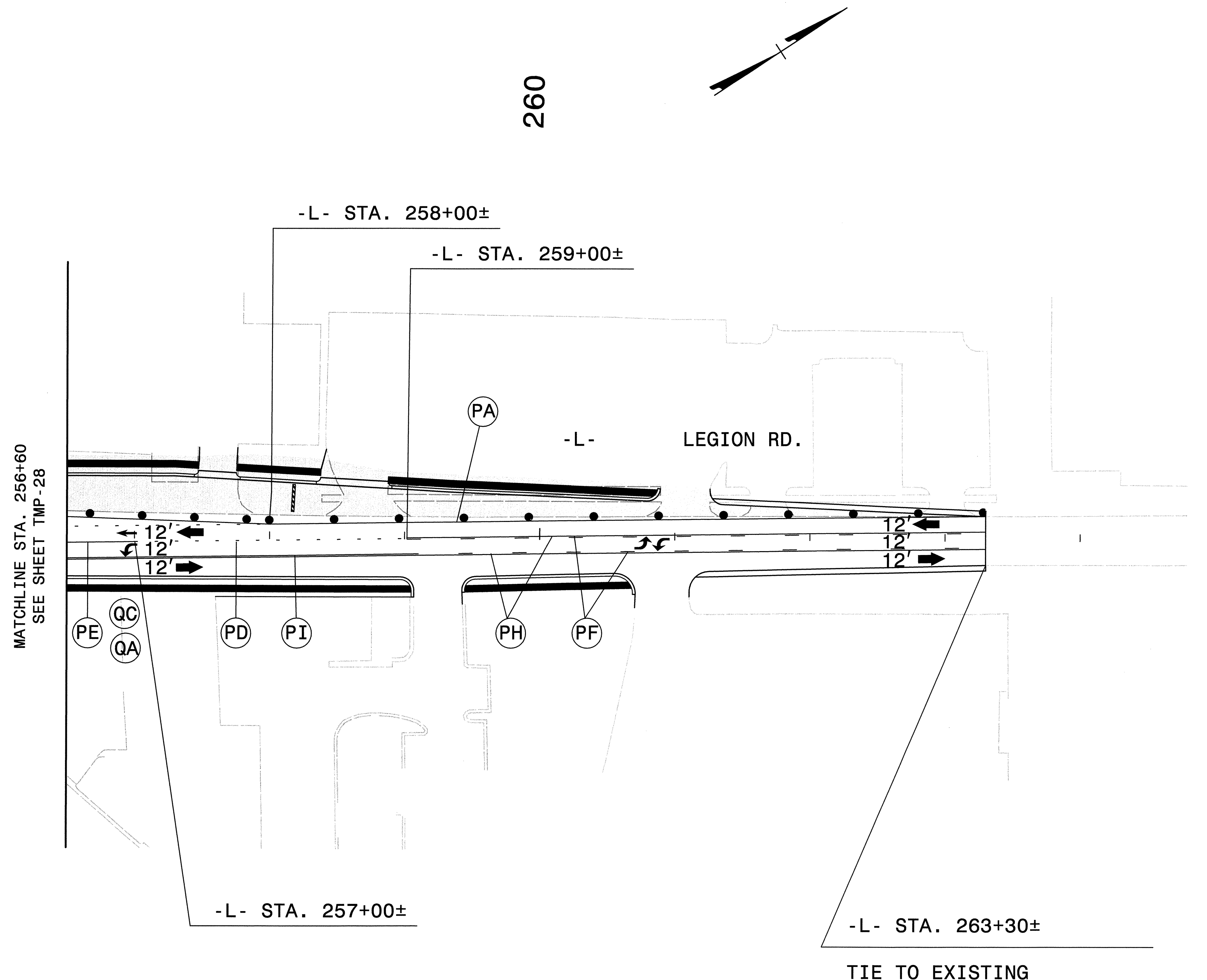


MATCHLINE STA. 242+00
SEE SHEET TMP-27

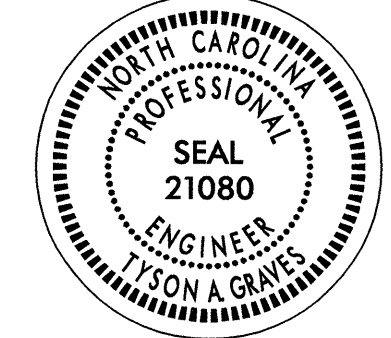

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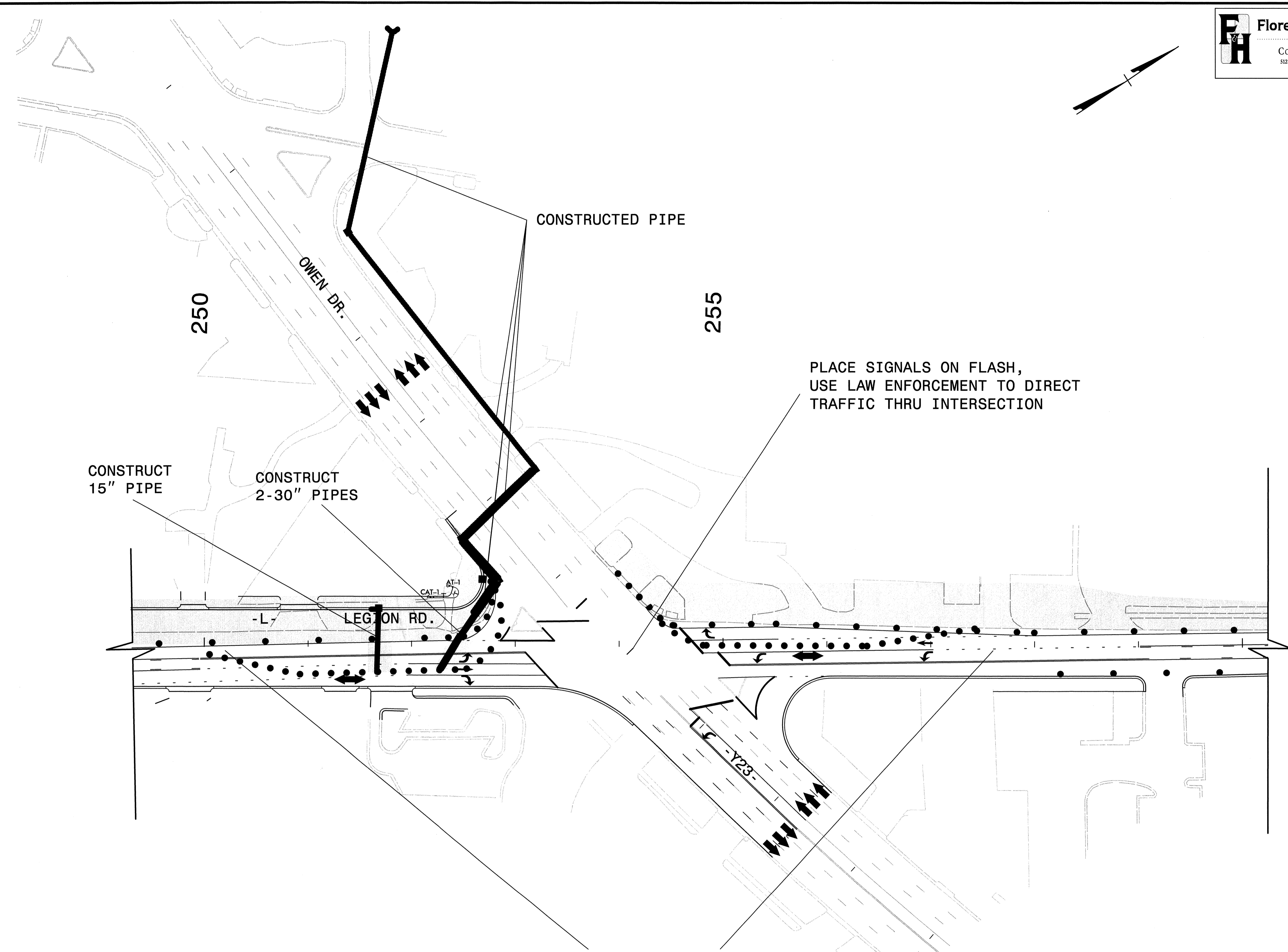
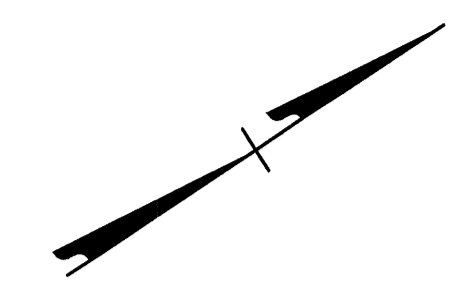
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CONSTRUCT 15" PIPE

CONSTRUCT 2-30" PIPES

CONSTRUCTED PIPE

PLACE SIGNALS ON FLASH,
 USE LAW ENFORCEMENT TO DIRECT
 TRAFFIC THRU INTERSECTION

USE ROADWAY STANDARD DRAWING
 1101.02 SHEET 1 OF 15

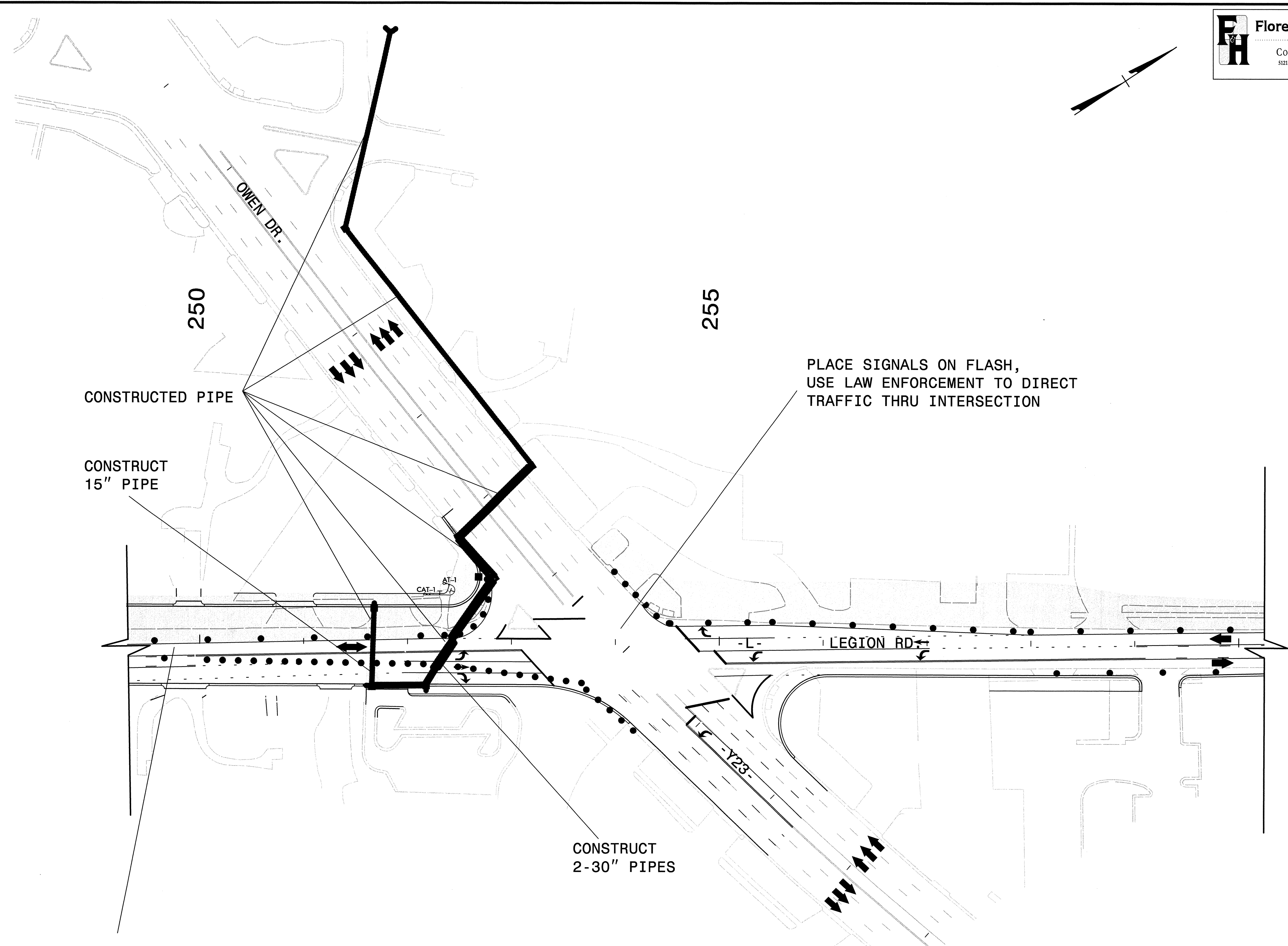
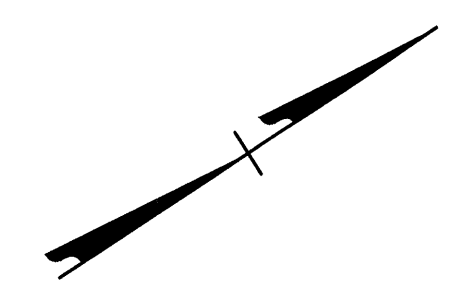
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SEAL

**PIPE INSTALLATION
 LEGION RD**

SCALE: NONE		REVISIONS
DATE: JUNE '12		
DWG. BY: GEP/TAG		
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6/1/2012
 Review of drawings for pipe installation at intersection of Legion Rd & Owen Dr
 Florence & Hutcheson

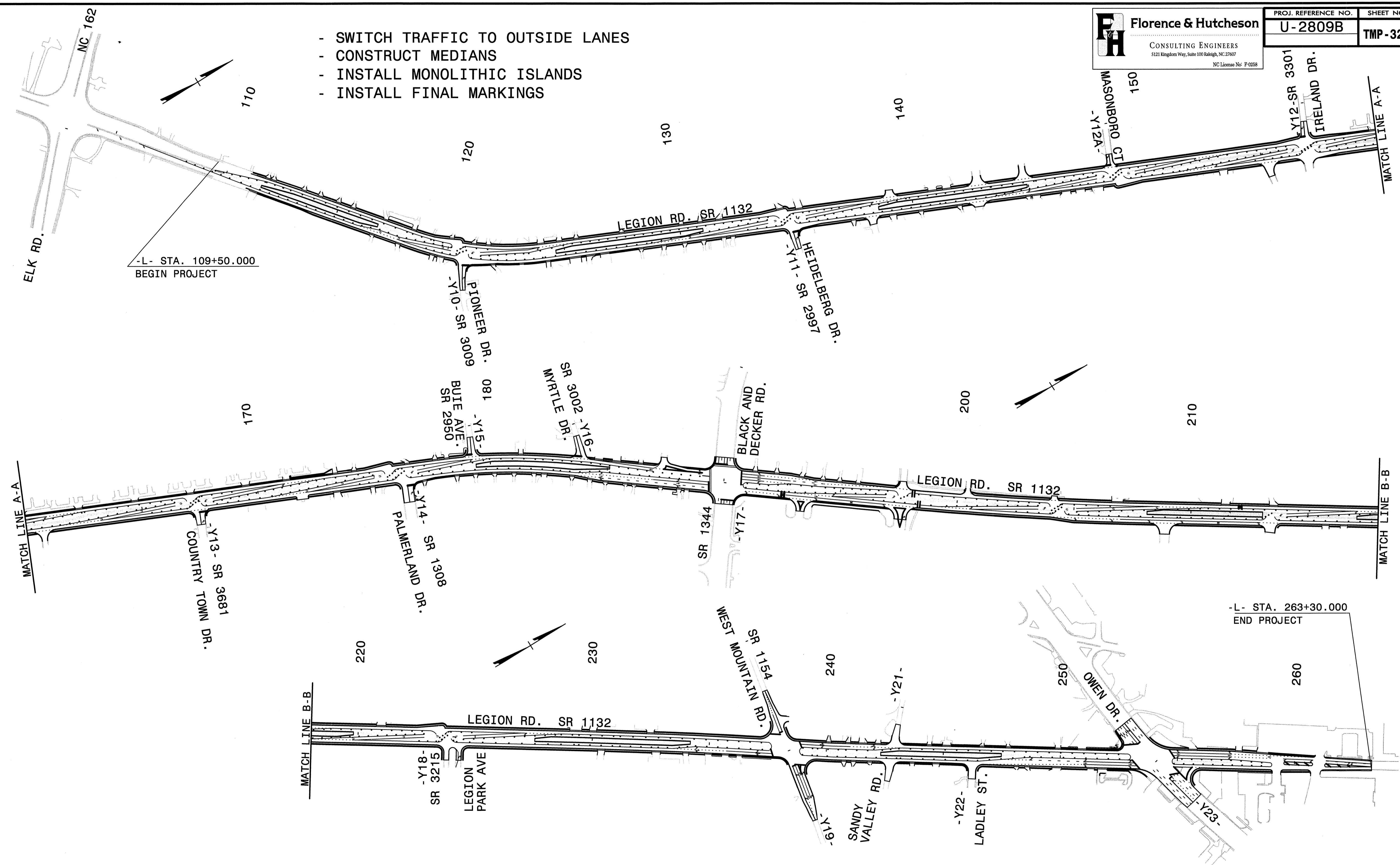


USE ROADWAY STANDARD DRAWING
 1101.02 SHEET 1 OF 15

6/1/2012
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 GEORGE & HUTCHESON

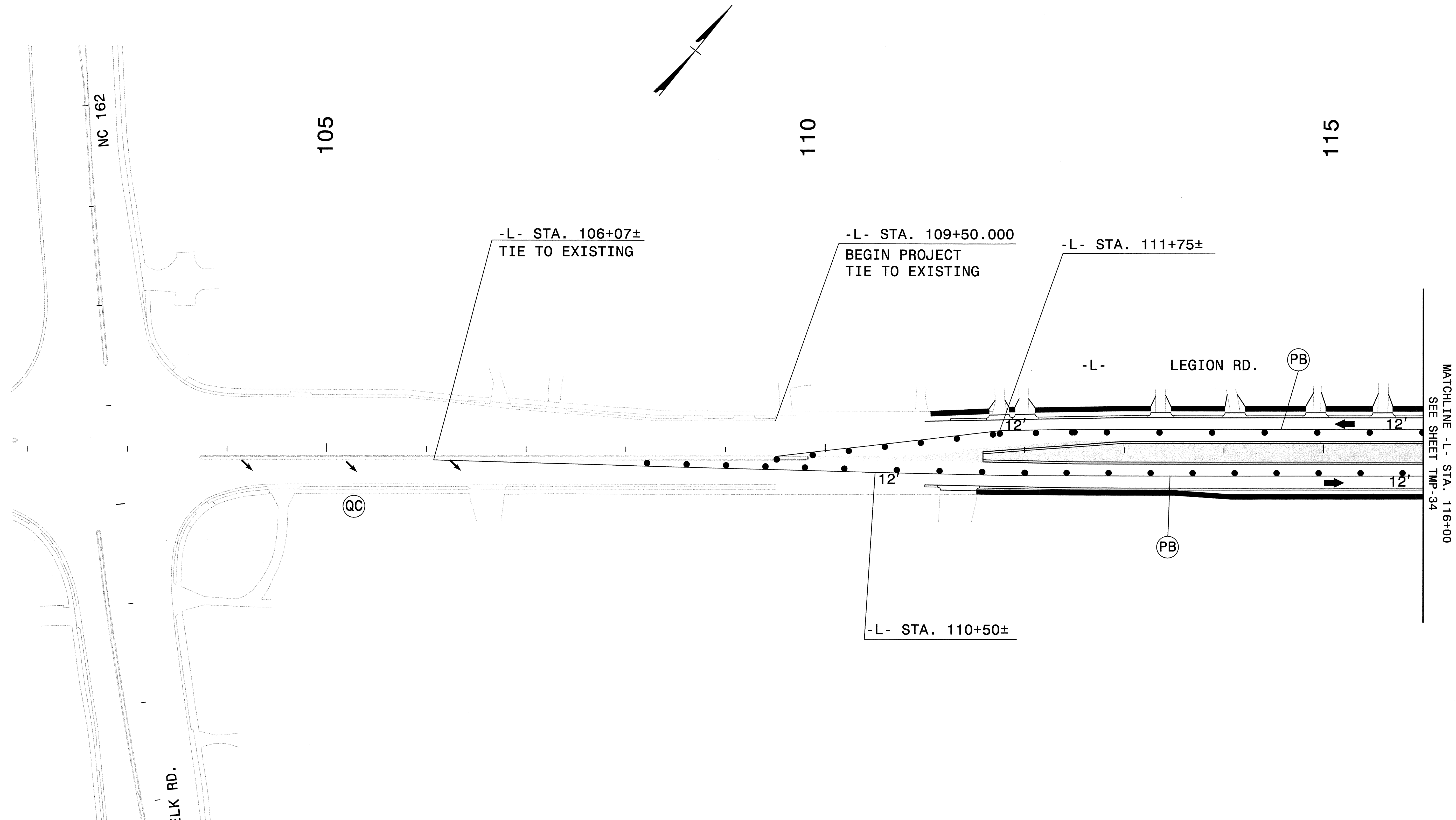
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SCALE: NONE	DATE: JUNE '12		REVISIONS
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- SWITCH TRAFFIC TO OUTSIDE LANES
- CONSTRUCT MEDIANS
- INSTALL MONOLITHIC ISLANDS
- INSTALL FINAL MARKINGS

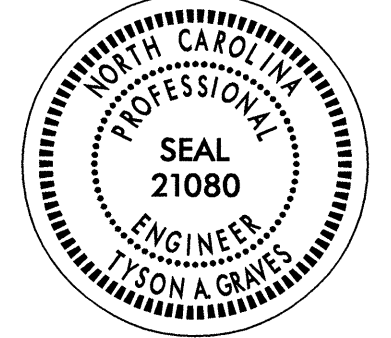
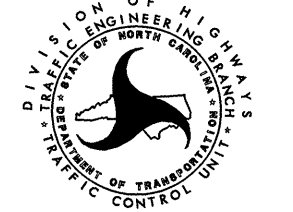


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 FLORENCE & HUTCHESON

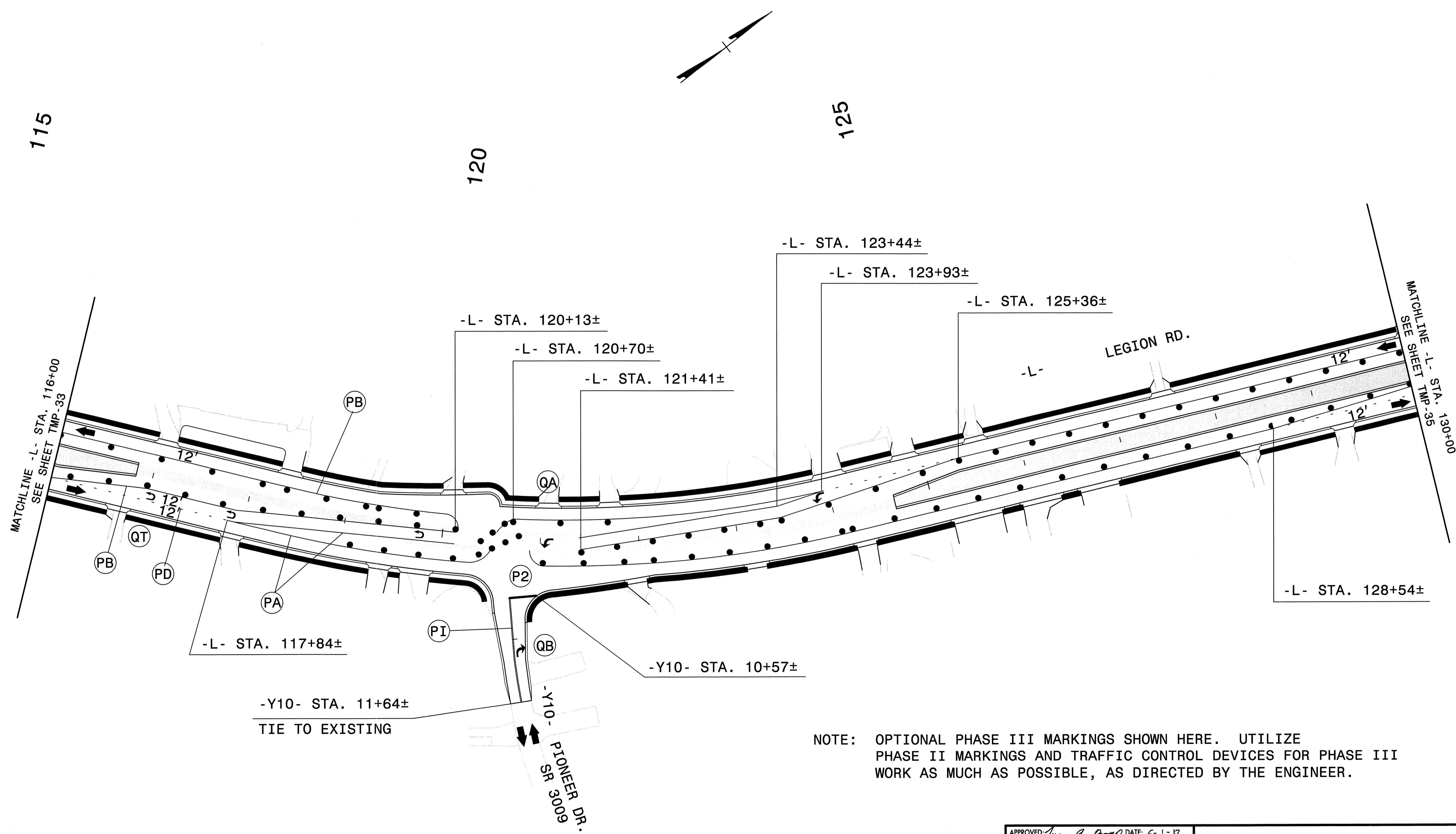
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NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

APPROVED: <i>Lyson A. Graves</i> DATE: 6-1-12	PHASE III						
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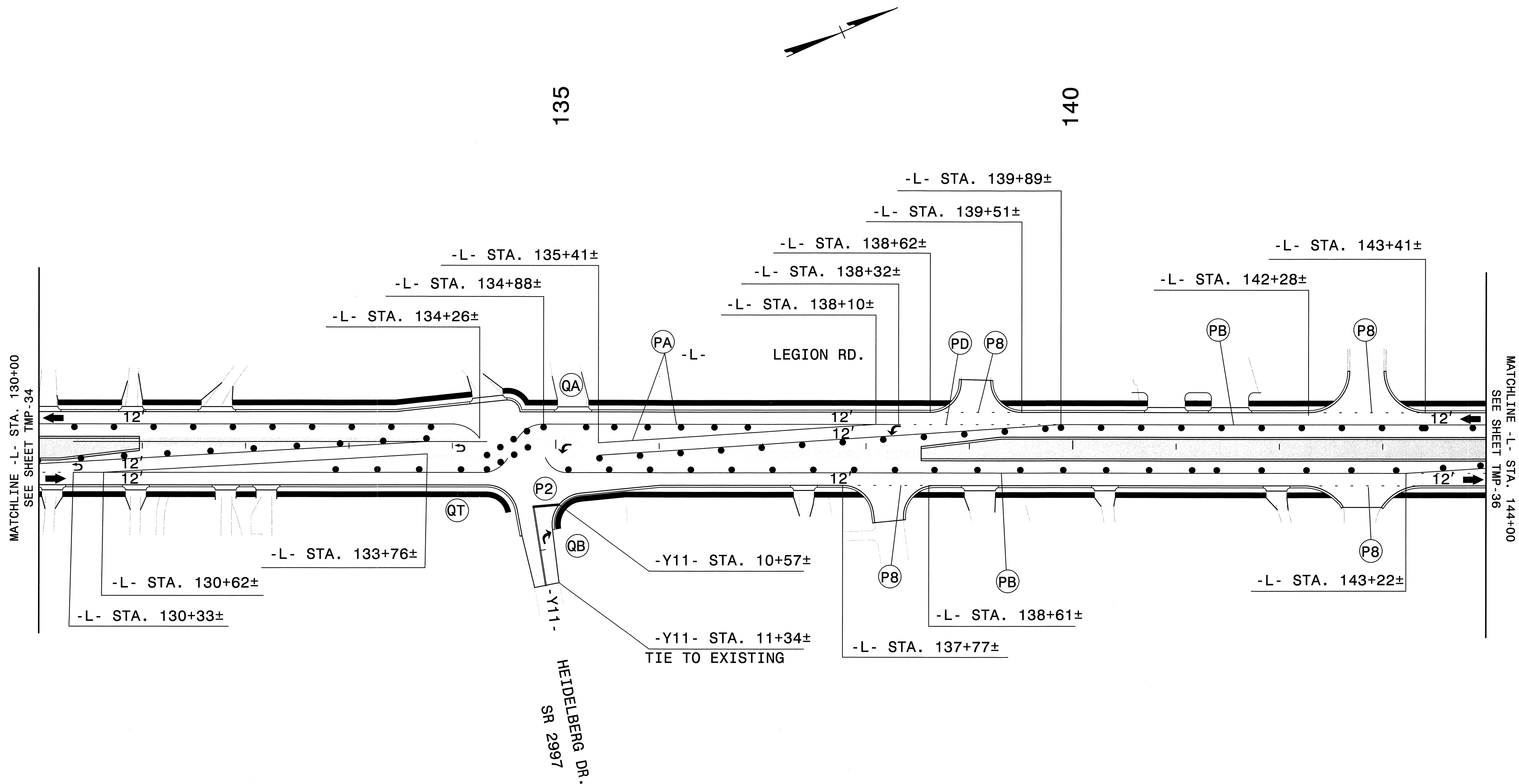


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NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

SEE LOCAL NOTE 1.

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MATCHLINE -L- STA. 130+00
SEE SHEET TMP-34

MATCHLINE -L- STA. 144+00
SEE SHEET TMP-36

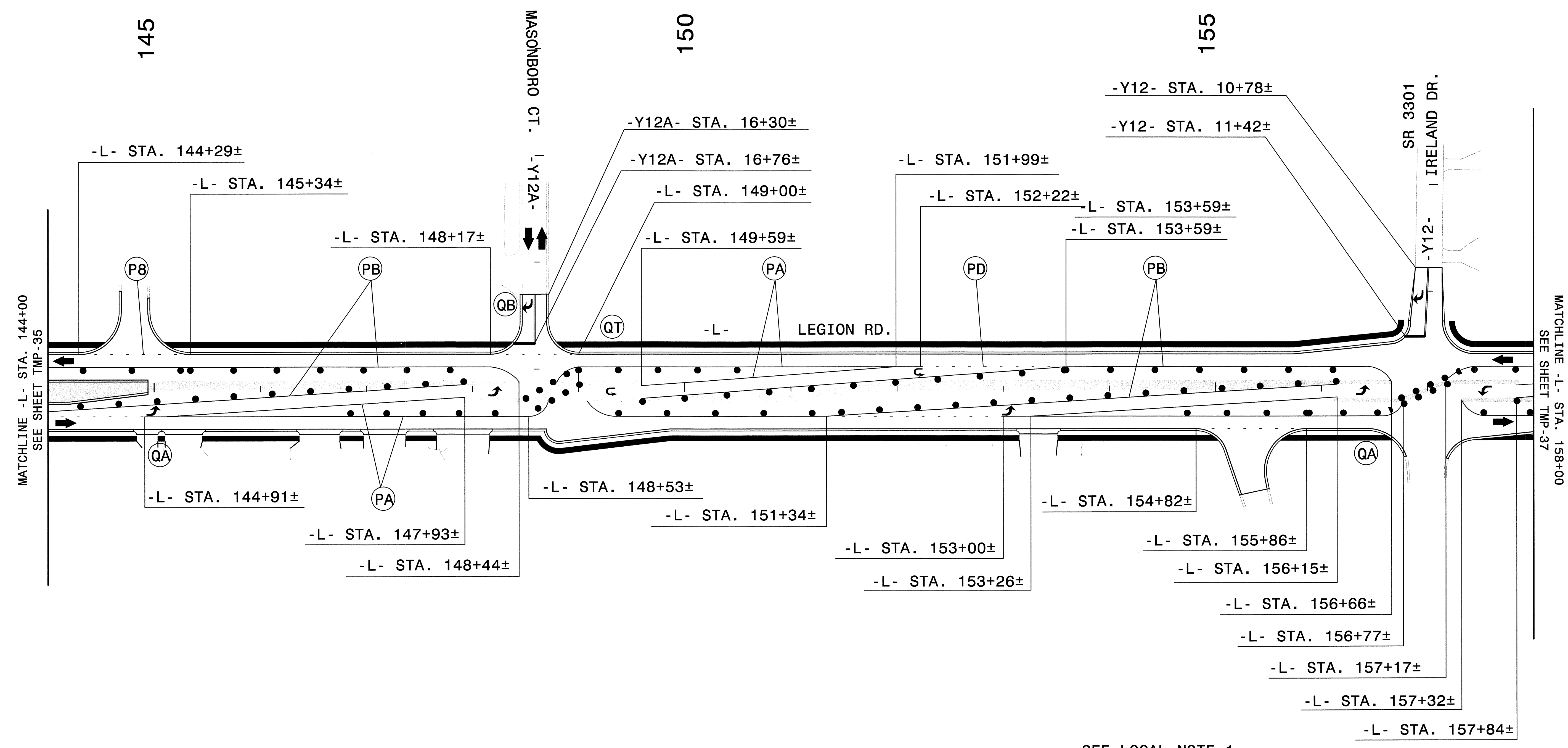
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SR 2997

SEE LOCAL NOTE 1.

NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

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MATCHLINE -L- STA. 144+00
SEE SHEET TMP-35

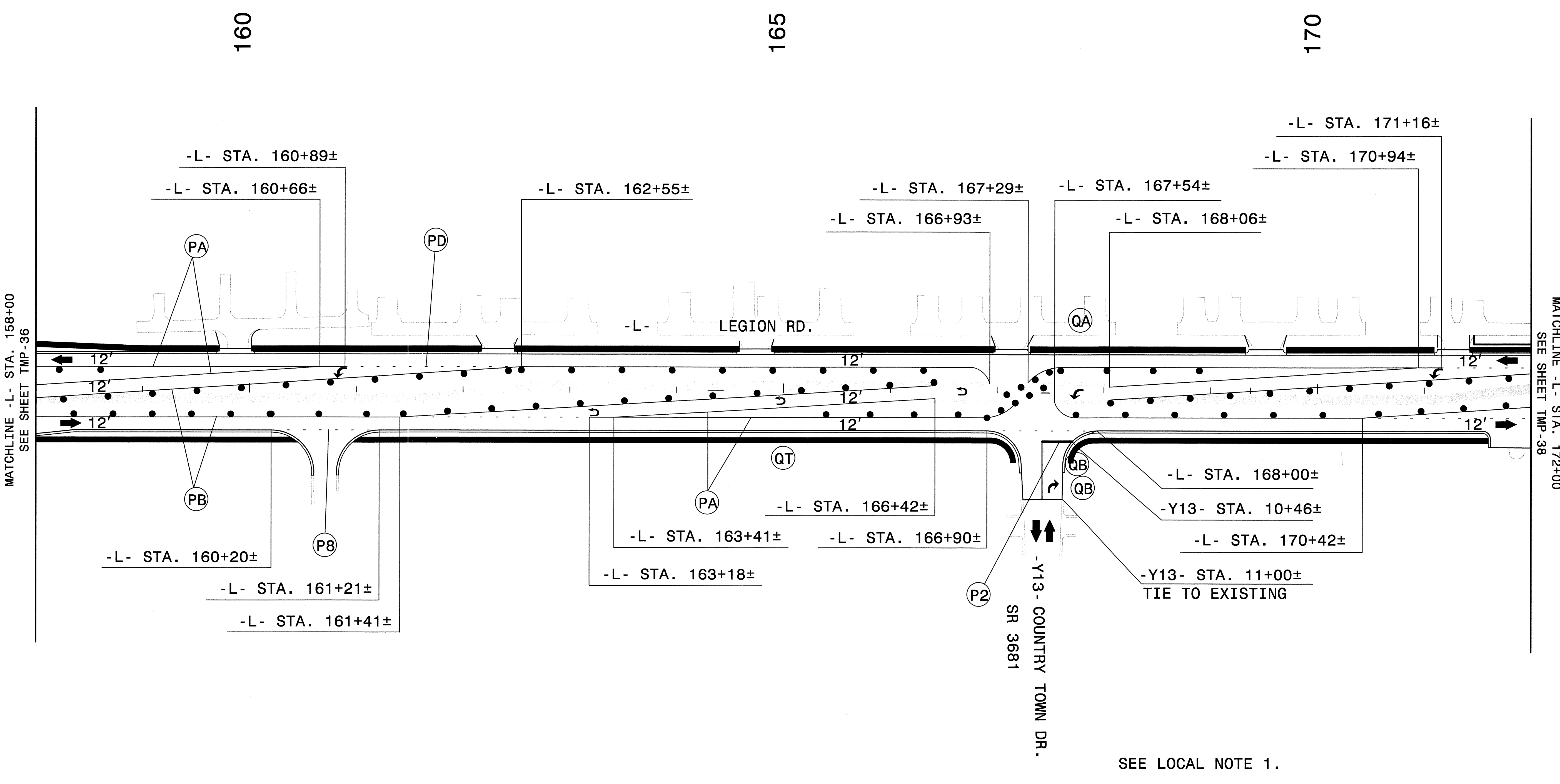
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SEE SHEET TMP-37

SEE LOCAL NOTE 1.

NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

APPROVED: <i>[Signature]</i> DATE: 6-1-12	PHASE III		
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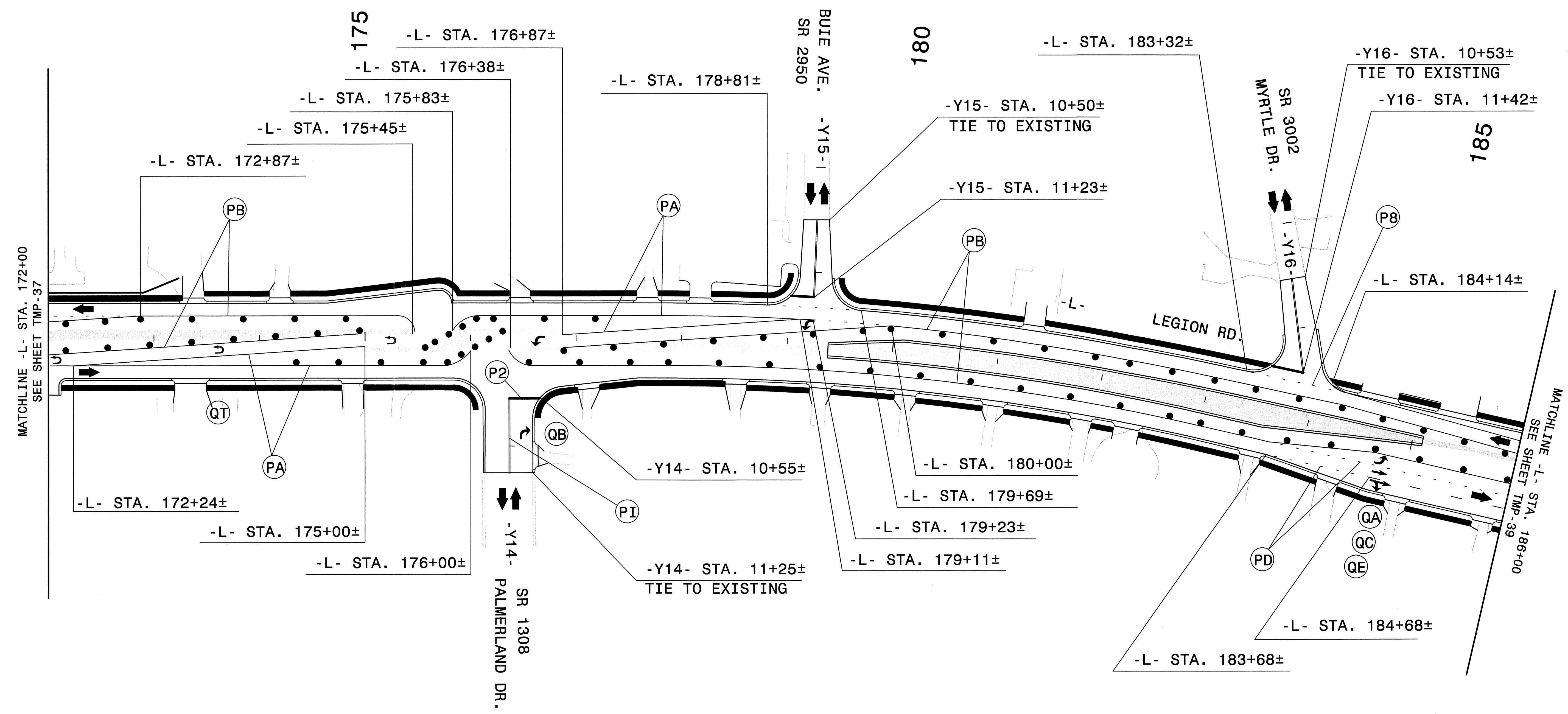


NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

SEE LOCAL NOTE 1.

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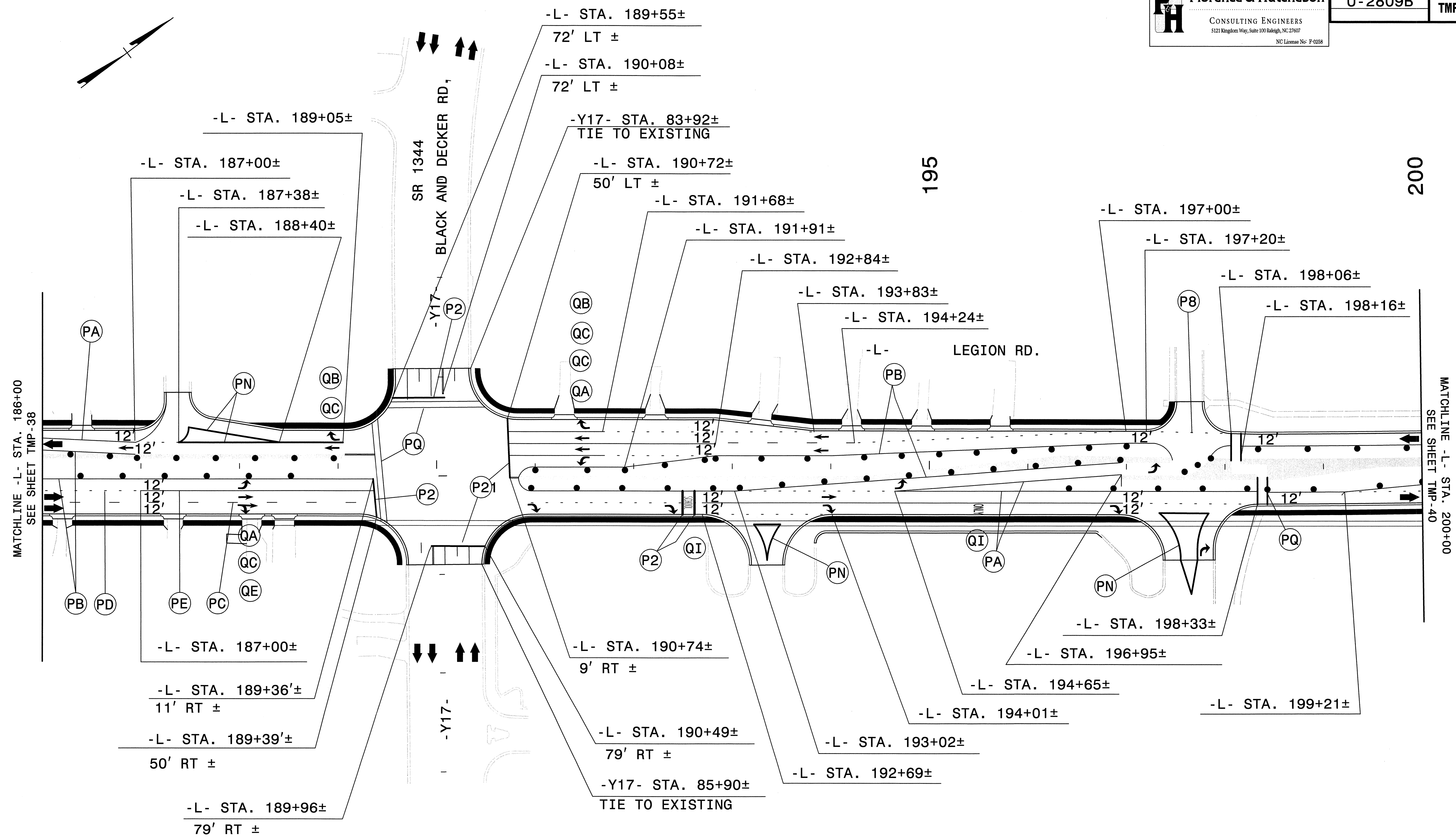


NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

SEE LOCAL NOTE 1.

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MATCHLINE -L- STA. 186+00
 SEE SHEET TMP-38

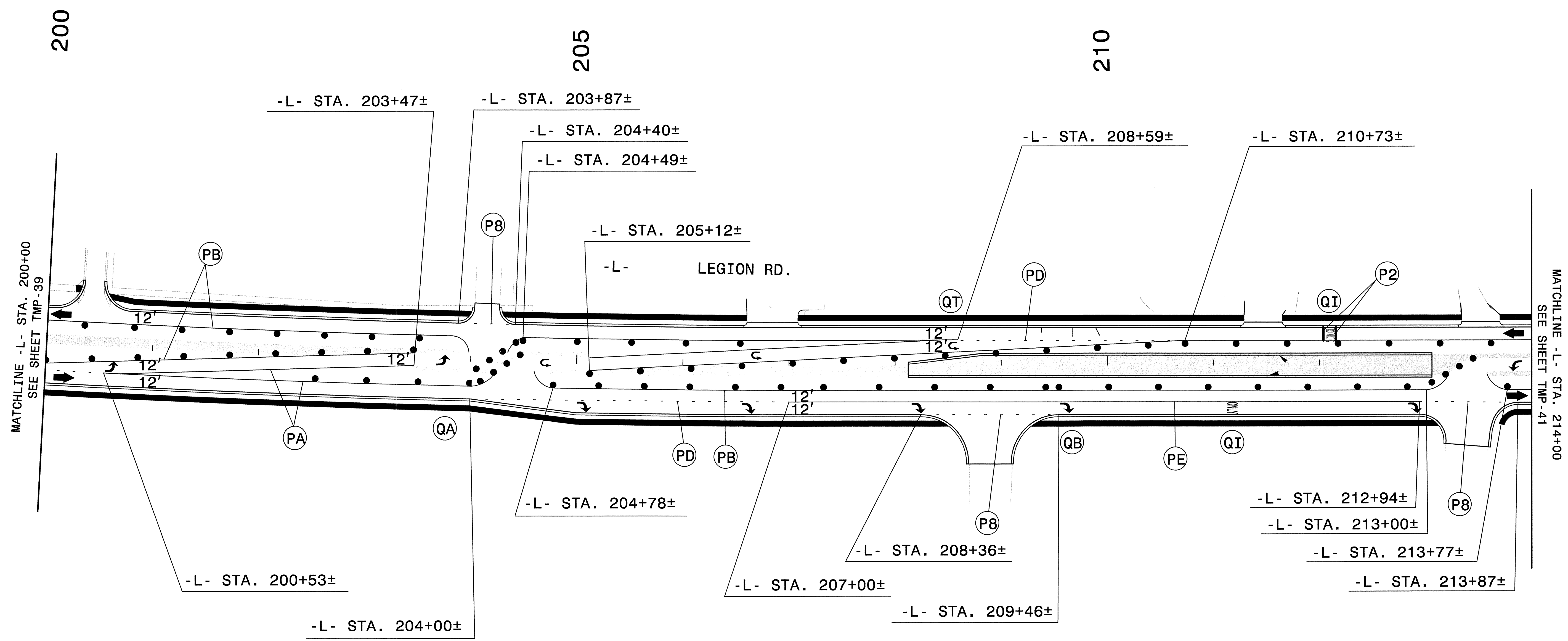
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 SEE SHEET TMP-40

NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

SEE LOCAL NOTE 1.

APPROVED: <i>Lyman A. Davis</i> DATE: 6-1-12	PHASE III	
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MATCHLINE -L- STA. 200+00
SEE SHEET TMP-39

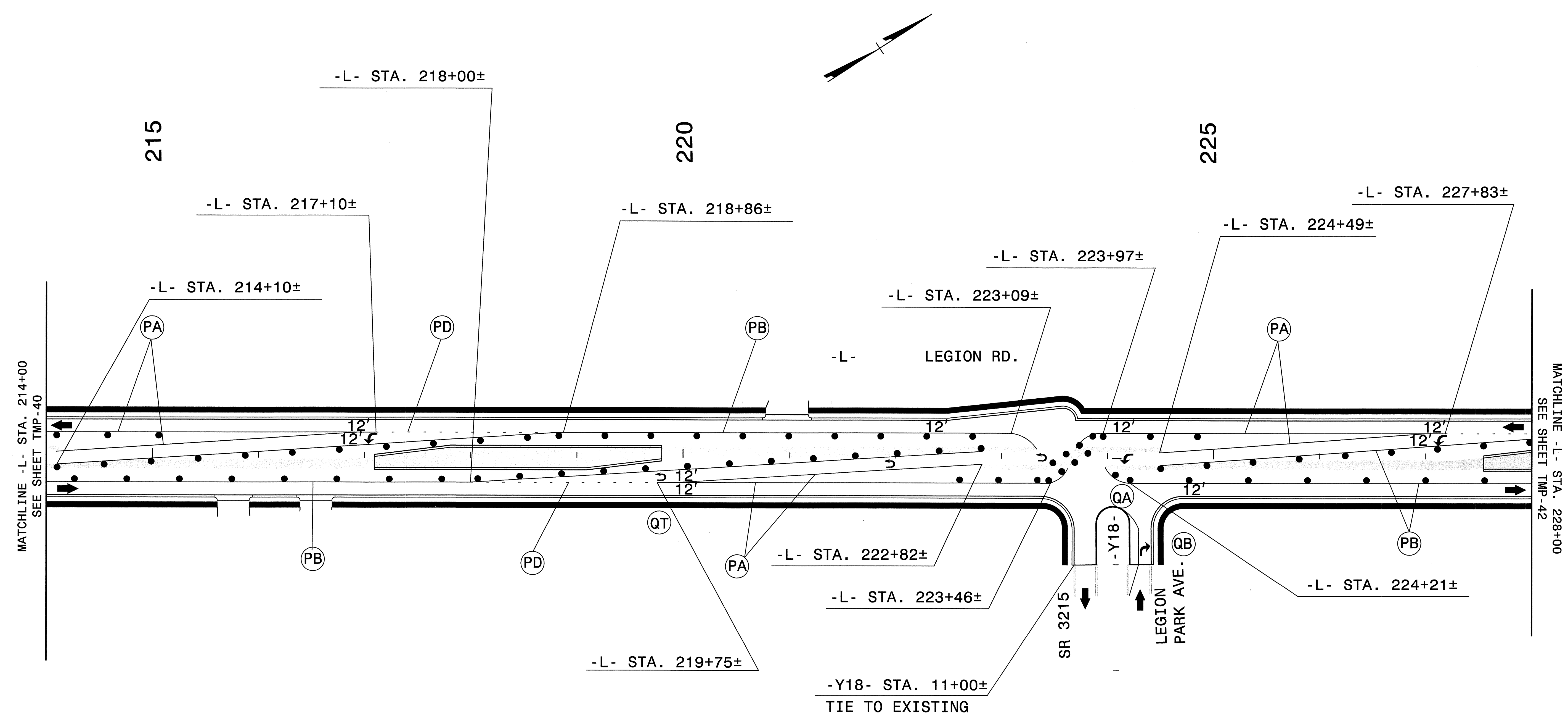
MATCHLINE -L- STA. 214+00
SEE SHEET TMP-41

SEE LOCAL NOTE 1.

NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

APPROVED: <i>John A. Davis</i> DATE: 6-1-12	PHASE III		REVISIONS	
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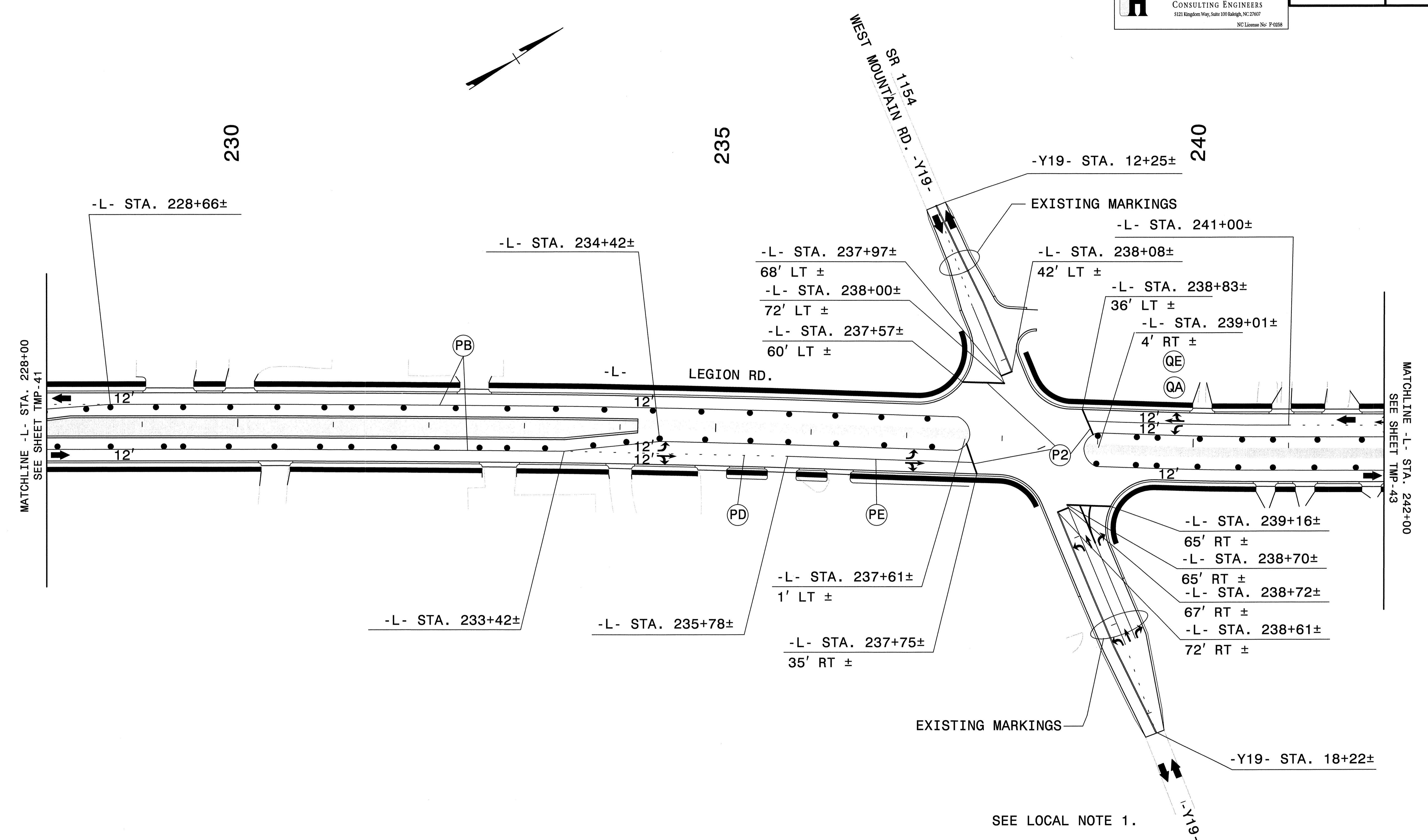


SEE LOCAL NOTE 1.

NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

APPROVED: <i>John A. Doud</i> DATE: 6-1-12	PHASE III	
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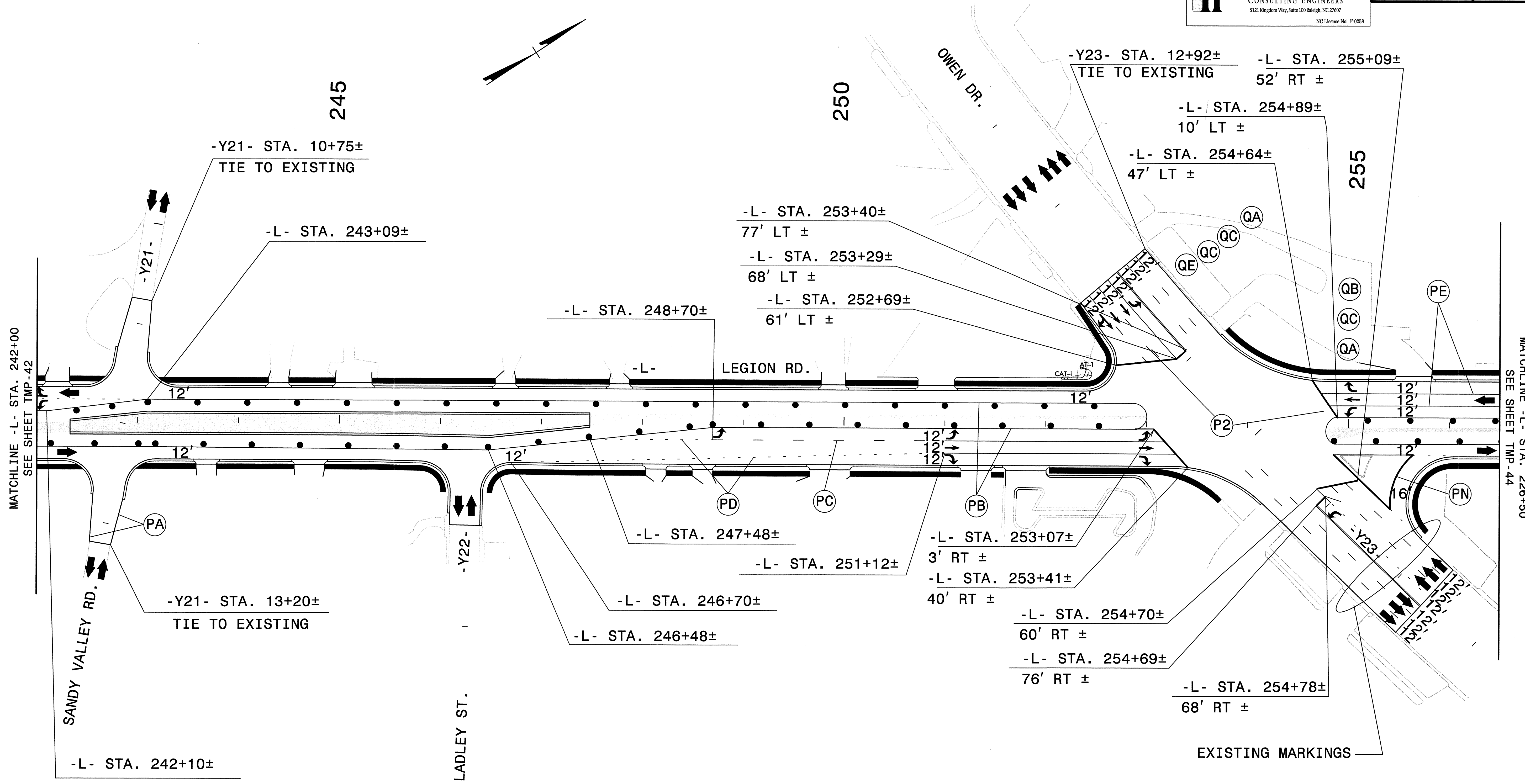
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SEE SHEET TMP-43

SEE LOCAL NOTE 1.

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APPROVED: <i>[Signature]</i> DATE: 6-1-12	PHASE III									
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MATCHLINE -L- STA. 242+00
 SEE SHEET TMP-42

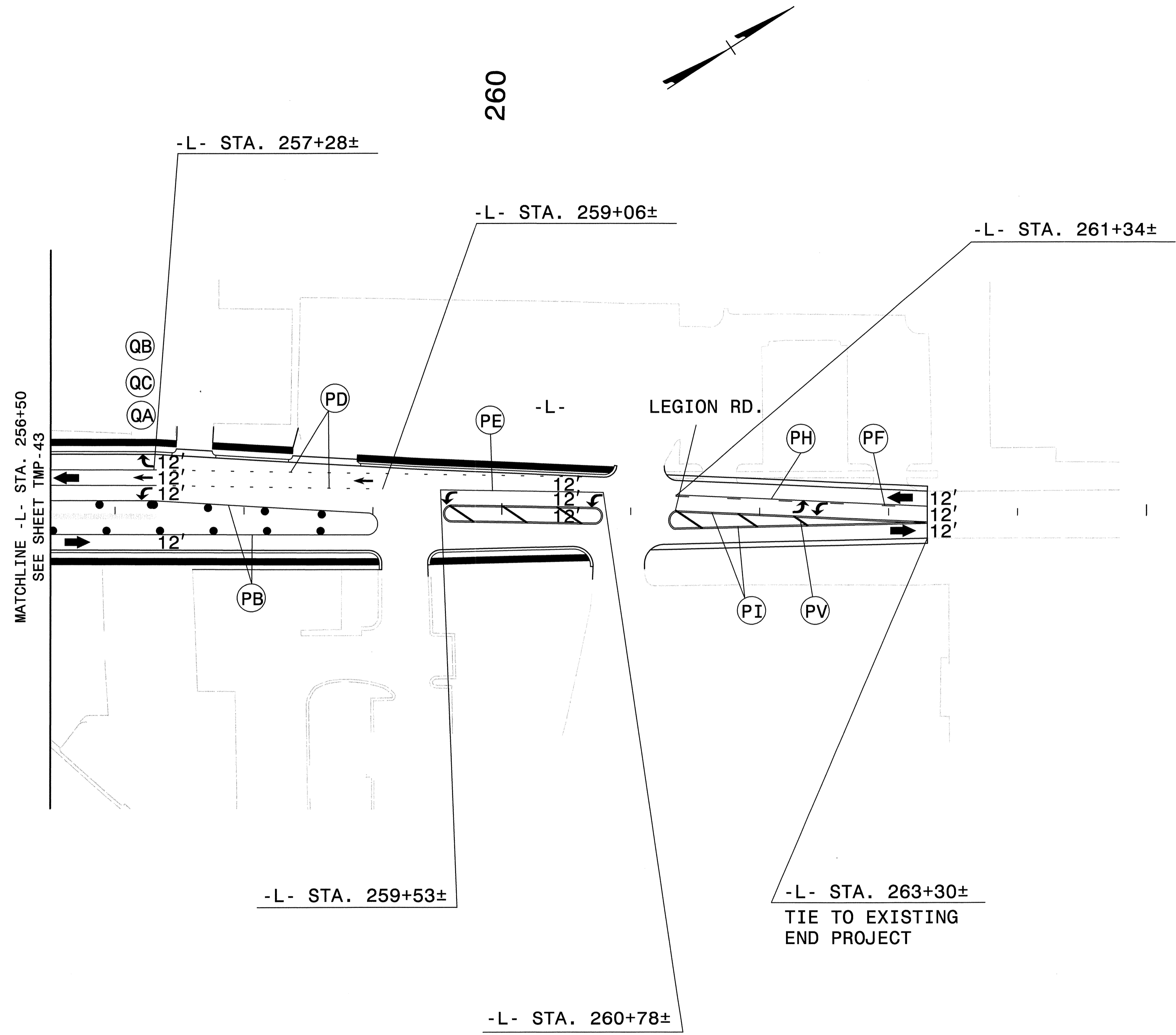
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 SEE SHEET TMP-44

NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

SEE LOCAL NOTE 1.


APPROVED: <i>Jason A. Doud</i> DATE: 6-1-12	PHASE III												
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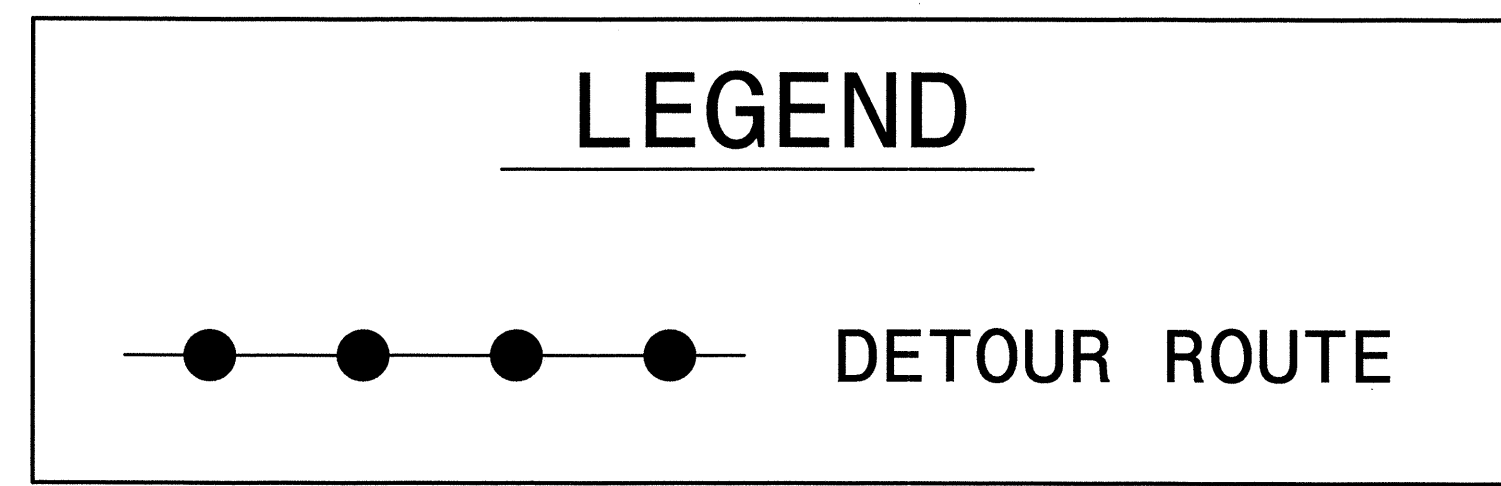
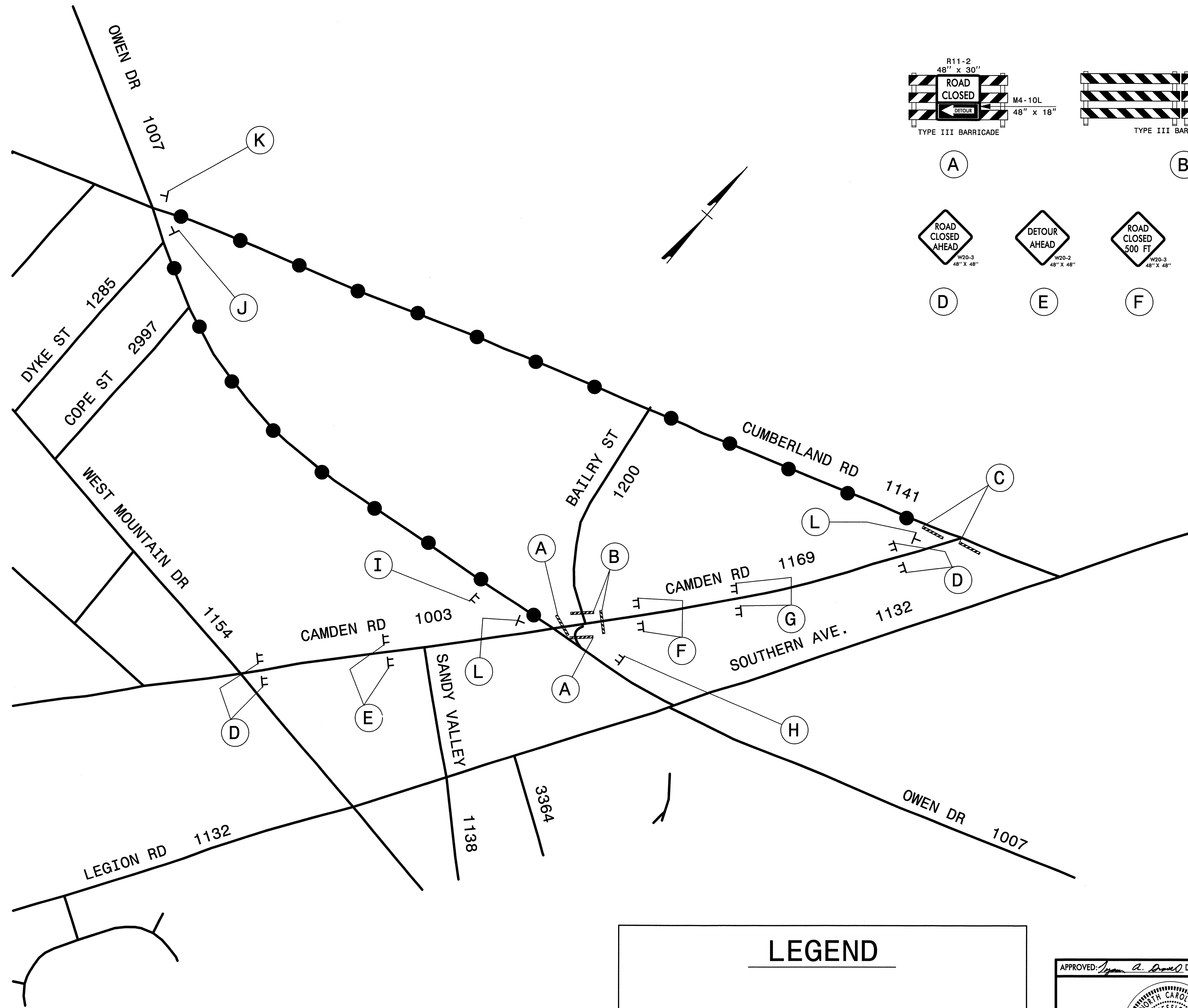
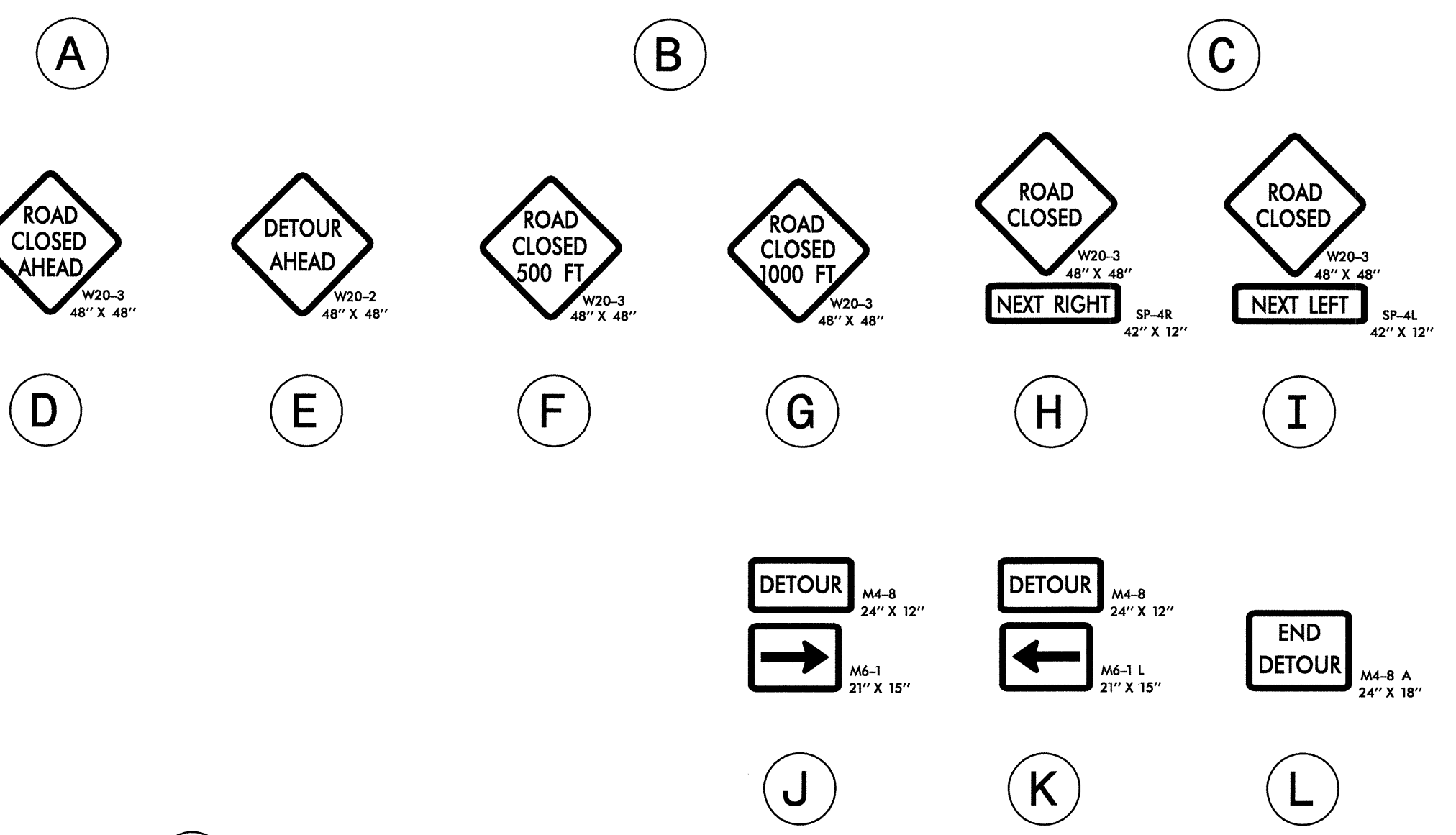
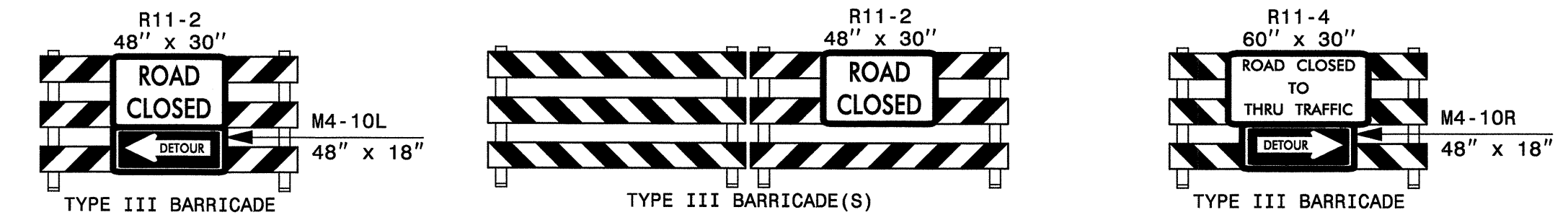
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NOTE: OPTIONAL PHASE III MARKINGS SHOWN HERE. UTILIZE PHASE II MARKINGS AND TRAFFIC CONTROL DEVICES FOR PHASE III WORK AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER.

6/1/2012
 REVISED BY: FLORENCE & HUTCHESON
 6/1/2012

APPROVED: <i>Jason A. Davis</i> DATE: 6-1-12		PHASE III	
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