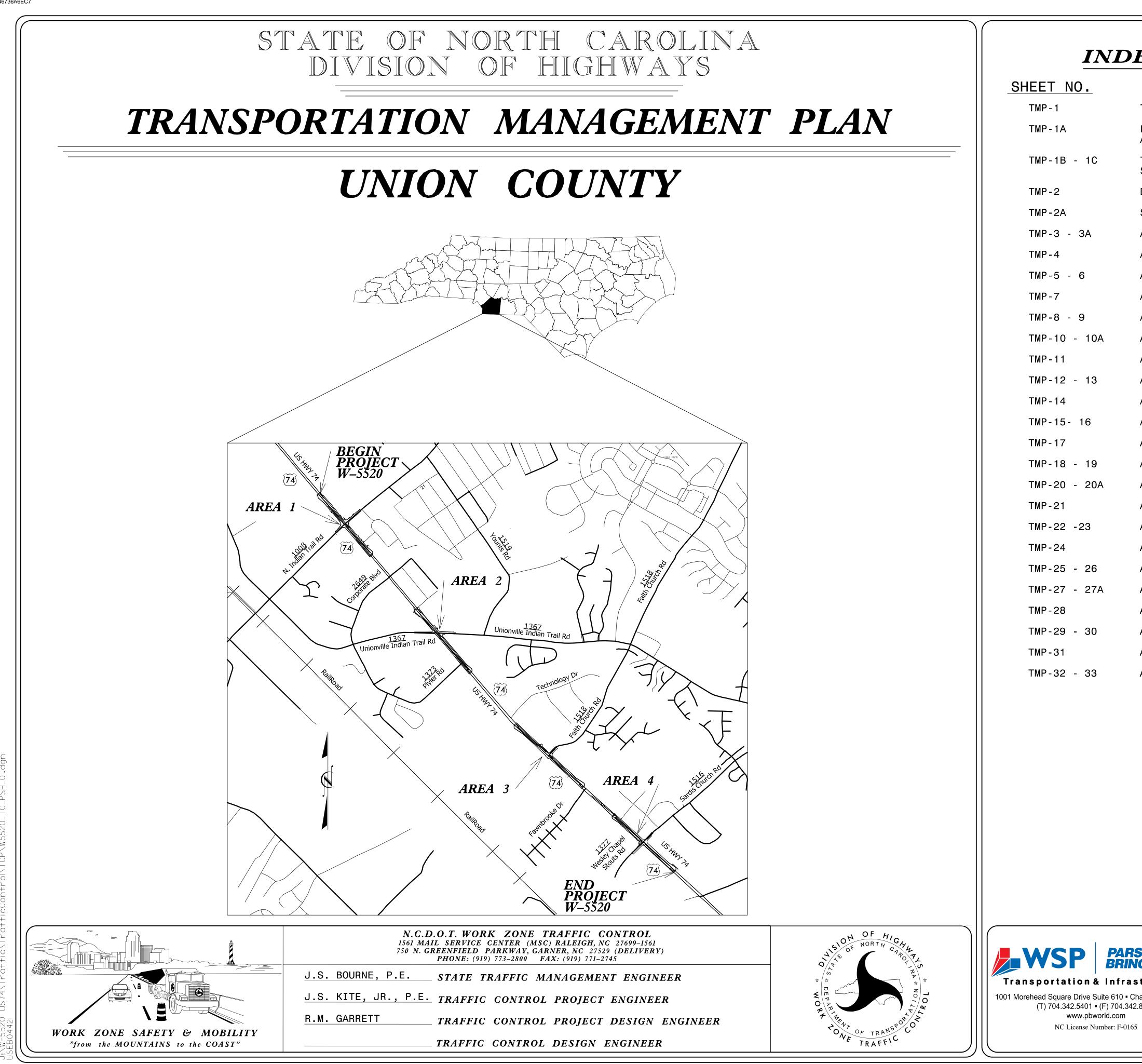
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ΤΝΙΓ	DEX OF SHEETS	SHEET NO.
•	TITLE	
	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS	
	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND	
1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)	
	DETAIL SHEET (PCB AT TEMP. SHORING LOCATIONS)	
	SPECIAL SIGN DETAIL (U-TURN SIGN)	0
A	AREA 1 TEMPORARY TRAFFIC CONTROL PHASING	
	AREA 1 OVERVIEW, PHASE I	
	AREA 1 PHASE I, DETAIL SHEETS 1-2	
	AREA 1 OVERVIEW, PHASE II	
	AREA 1 PHASE II, DETAIL SHEETS 3-4	
10A	AREA 2 TEMPORARY TRAFFIC CONTROL PHASING	
	AREA 2 OVERVIEW, PHASE I	
13	AREA 2 PHASE I, DETAIL SHEETS 5-6	
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30	AREA 4 PHASE I, DETAIL SHEETS 15-16	
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		S

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APPROVED: Eric W. Bowman DATE: 2/10/2017

SEAL

ROADWAY STANDARD DRAWI

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAW PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEI DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE ARE CONSIDERED A PART OF THESE PLANS:

TITLE STD. NO. WORK ZONE ADVANCE WARNING SIGNS 1101.01 1101.02 TEMPORARY LANE CLOSURES TEMPORARY ROAD CLOSURES 1101.03 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 FLASHING ARROW BOARDS 1115.01 DRUM 1130.01 1135.01 CONES BARRICADES 1145.01 1150.01 FLAGGING DEVICES 1160.01 TEMPORARY CRASH CUSHION 1165.01 WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINE POSITIVE PROTECTION 1170.01 SKINNY-DRUM 1180.01 PAVEMENT MARKINGS - LINE TYPES AND OFFSETS 1205.01 1205.02 PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE PAVEMENT MARKINGS - INTERSECTIONS 1205.04 1205.05 PAVEMENT MARKINGS - TURN LANES 1205.06 PAVEMENT MARKINGS - LANE DROPS 1205.07 PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS 1205.08 PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGE PAVEMENT MARKINGS - PAINTED ISLANDS 1205.09 PAVEMENT MARKINGS - LANE REDUCTIONS 1205.13 1250.01 RAISED PAVEMENT MARKERS - INSTALLATION SPACE 1251.01 RAISED PAVEMENT MARKERS - PERMANENT AND TEM

10/2017

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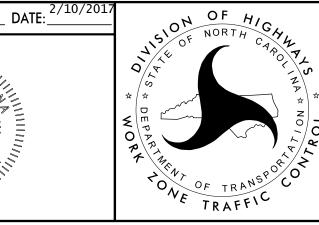
INGS	LEGEND
AWINGS" - IGH, N.C., DE HEREBY	GENERAL
EATION ROADWAYS	SIGNALS EXISTING PROPOSED PROPOSED PAVEMENT MARKINGS EXISTING LINES TEMPORARY LINES
ES	
ING PORARY	
	TEMPORARY PAVEMENT M/
	PAINT (24") P2 WHITE STOPBAR PAINT (4") P8 2 FT 6 FT. WHITE MINI SKIP P9 2 FT 6 FT. YELLOW MINI SKIP PA WHITE EDGELINE PB YELLOW EDGELINE PC 10 FT. WHITE SKIP PD 3 FT 9 FT. WHITE MINI SKIP PE WHITE SOLID LANE LINE PF 10 FT. YELLOW SKIP PH YELLOW SINGLE CENTER PI YELLOW DOUBLE CENTER
	APPROVED: Eric W. Bowman DA APPROVED: Eric W. Bowman DA APPROVED: Eric W. Bowman DA APPROVED: Eric W. Bowman DA CARONE SEAL SEAL SEAL WW.pbworld.com NC License Number: F-0165

		PROJ. REFERENCE NO.	SHEET NO.
		W-5520	TMP-1A
TRAFF	IC CONTROL DEVICES		
	BARRICADE (TYPE III) CONE DRUM () SKINNY DRUM () TEMPORARY CRASH CUSHION FLASHING ARROW BOARD	TUBULAR MARKER	
•	FLAGGER		
	LAW ENFORCEMENT		
	TRUCK MOUNTED ATTENUATOR (TN CHANGEABLE MESSAGE SIGN	IA)	
TEMPOF	RARY SIGNING		
PORTA	ABLE SIGN		
⊨ stati	IONARY SIGN		
, D STATI	IONARY OR PORTABLE SIGN		
PAVEME CRYS	ENT MARKERS STAL/CRYSTAL STAL/RED LOW/YELLOW		
	ENT MARKING SYMBOLS		

MARKING

PAINT	(8")
-------	------

P13	3 FT 9 FT. WHITE MINI SKIP
PN	WHITE GORELINE
PR	WHITE SOLID LANE LINE
	PAINT MARKING SYMBOLS
QA	LEFT TURN ARROW
QB	RIGHT TURN ARROW
QI	ALPHANUMERIC CHAR.
QT	U-TURN ARROW



ROADWAY STANDARD DRAWINGS & LEGEND

MANAGEMENT **STRATEGIES**

TRAFFIC MANAGEMENT STRATEGIES

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W-5520 US 74 SUPERSTREET CONVERSION IS DIVIDED INTO FOUR AREAS.

- AREA 1: US 74 EAST OF SMITH FARM RD. (WESTERN PROJECT LIMITS) TO WEST OF CORPORATE BLVD., FROM -L1- STA. 106+10 +/-TO -L1- STA. 126+50 +/-
- AREA 2: US 74 EAST OF CORPORATE BLVD. TO WEST OF TECHNOLOGY DR., FROM -L2- STA. 205+10 +/- TO -L2- STA. 226+15 +/-
- AREA 3: US 74 EAST OF TECHNOLOGY DR. TO WEST OF FAWNBROOKE DR., FROM -L3- STA. 303+20 +/- TO -L3- STA. 326+50 +/-
- AREA 4; US 74 EAST OF FAWNBROOKE DR. TO WEST OF HELMSVILLE RD. (THE EASTERN PROJECT LIMITS), FROM -L4- STA. 401+20 +/-TO -L4- STA. 429+40 +/-

ALL AREAS WILL BE CONSTRUCTED USING A COMBINATION OF LANE CLOSURES UTILIZING FLAGGERS AS NEEDED, TEMPORARY LANE SHIFTS, TEMPORARY PORTABLE CONCRETE BARRIERS, AND TEMPORARY SIGNALS.

CONTRACTOR SHALL WORK IN AREAS 1 THROUGH 4 CONTINUOUSLY EXCEPT FOR REQUIRED WORK WITH INTERSECTION CLOSURES WHICH SHALL BE CONSTRUCTED FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1. UPON COMPLETION OF EACH CONSTRUCTION AREA UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS, THE SUPERSTREET TRAFFIC PATTERN SHALL BE ACTIVATED FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1.

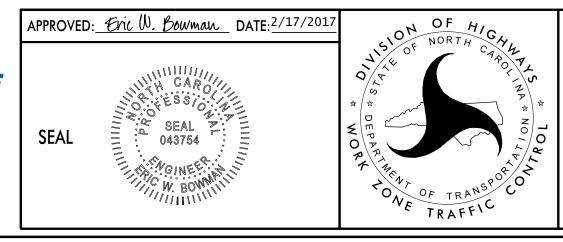
INTERSECTION CLOSURES SHALL BE LIMITED AS SPECIFIED IN INTERMEDIATE CONTRACT TIME (ICT).

17/2017 W-5520

					PROJ. REFERENCE NO. SHEET NO
					W-5520 TMP-1B
	GEN	ERAL NOTES			
DRAWINGS TO MEET OVERLAPP	, STANDARD DETA FIELD CONDITION ING OF DEVICES.	WHEN PHYSICAL DIMENSIONS I ALS, AND ROADWAY DETAILS AR S OR RESULT IN DUPLICATE OR MODIFICATION MAY INCLUDE:	E NOT ATTAINABLE UNDESIRED MOVING,	C)	DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.
ENGINEER	•	, OR REMOVAL OF DEVICES AS	DIRECTED BY THE	LANE	E AND SHOULDER CLOSURE REQUIREMENTS
THE CONS		OTES APPLY AT ALL TIMES FOR T EXCEPT WHEN OTHERWISE NOT NEER.		D)	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.
TIME RES	TRICTIONS			E)	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
A) DO M	NOT CLOSE OR NA	RROW TRAVEL LANES AS FOLLOWS	6:		BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
ROAI	D NAME	DAY AND TIME RES		F)	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN
	74 (-L-) /- LINES	MONDAY THRU SUNDAY	6:00 AM TO 9:00 PM		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.
,	NOT CLOSE OR NA NTS AS FOLLOWS:	RROW TRAVEL LANES DURING HOL	IDAYS AND SPECIAL		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
	D NAME				STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
UNI (HARF	ONVILLE-INDIAN	-L3-, & -L4-), INDIAN TRAIL TRAIL RD (-Y3- & -Y4-), FAI ⁻ RIBUTION CENTER (-Y6-), SARI TS RD (-Y8-)	TH CHURCH RD (-Y5-),	G)	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.
HOL	[DAY				
1.		CTED OCCURRENCE THAT CREATE S, AS DIRECTED BY THE ENGIN		H)	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.
2.	9:00 P.M. JANU	, BETWEEN THE HOURS OF 6:00 ARY 2ND. IF NEW YEAR'S DAY DAY THEN UNTIL 9:00 P.M. TH	IS ON A FRIDAY, SATURDAY,	I)	DO NOT INSTALL MORE THAN 2 SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON US 74.
0	·			PAVE	EMENT EDGE DROP OFF REQUIREMENTS
3.	9:00 P.M. MOND	TWEEN THE HOURS OF 6:00 A.M AY.	. THURSDAY AND	J)	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
4.	FOR MEMORIAL D 9:00 P.M. TUES	AY, BETWEEN THE HOURS OF 6: DAY.	00 A.M. FRIDAY TO		EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
5.		CE DAY, BETWEEN THE HOURS O EPENDENCE DAY AND 9:00 P.M.			BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
	INDEPENDENCE D	AY.			BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
	THEN BETWEEN T	E DAY IS ON A FRIDAY, SATUR HE HOURS OF 6:00 A.M. THE AY AND 9:00 P.M. THE TUESDA	THURSDAY BEFORE		BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
6.	FOR LABOR DAY, 9:00 P.M. TUES	BETWEEN THE HOURS OF 6:00 DAY.	A.M. FRIDAY AND	K)	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) IN ADVANCE AND A MINIMUM
7.	FOR THANKSGIVI 9:00 P.M. MOND	NG DAY, BETWEEN THE HOURS O AY.	F 6:00 A.M. TUESDAY TO		OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.
8.		BETWEEN THE HOURS OF 6:00 K OF CHRISTMAS DAY AND 9:00			

BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.





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TRAFFIC PATTERN ALTERATIONS

L) NOTIFY THE ENGINEER, COUNTY EMS, AND SCHOOL OFFICIALS THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

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- M) 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.
- N) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- 0) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- P) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DRAINAGE STRUC TRAFFIC CONTROL DEVICES S) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES EE) UNLESS OT IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT THE CONTR. DRAINAGE (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 FASHION I STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS. 1. CLOSE DRAW: T) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN CONS 2. UNOPENED LANES ARE CLOSED TO TRAFFIC. AS SH PROT 3. OPEN PAVEMENT MARKINGS AND MARKERS PATTE V) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS: 4. WHEN STANE MARKER AND ROAD NAME MARKING 5. OPEN PAINT RAISED US 74 (-L-) PATTE ALL -Y- LINES PAINT NONE STANDARD TEMPO PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A Q) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT W) SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY FF) FOR TEMPO APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER. PLANS AND X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING GG) TEMPORARY LINES. AT THE FO REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR Y) LOCA BY THE END OF EACH DAY'S OPERATION. CONCRETE. Z) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK LOCA PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION. THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE HH) BEFORE BE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING MISCELLANEOUS GROUND EL A HAZARD, OR AS DIRECTED BY THE ENGINEER. SHORING H AA) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER. II) DESIGN TE THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE FOLLO BB) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME. BRING THE THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC. TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY UNIT THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED FRICT AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) AND LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED GROUN UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TEMPORARY BARRIER IS REMOVED. TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS. LOCAT CC) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN LOCA COORDINATION WITH THE SIGNING AND DELINEATION UNIT. DD) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN

R) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

W-5520

GENERAL NOTES CON'T

JJ) AT THE CO THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY AT LOCATI SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED DETAIL NO BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY TEMPORARY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

LOCAT

LOCA

NE TRAFFIC



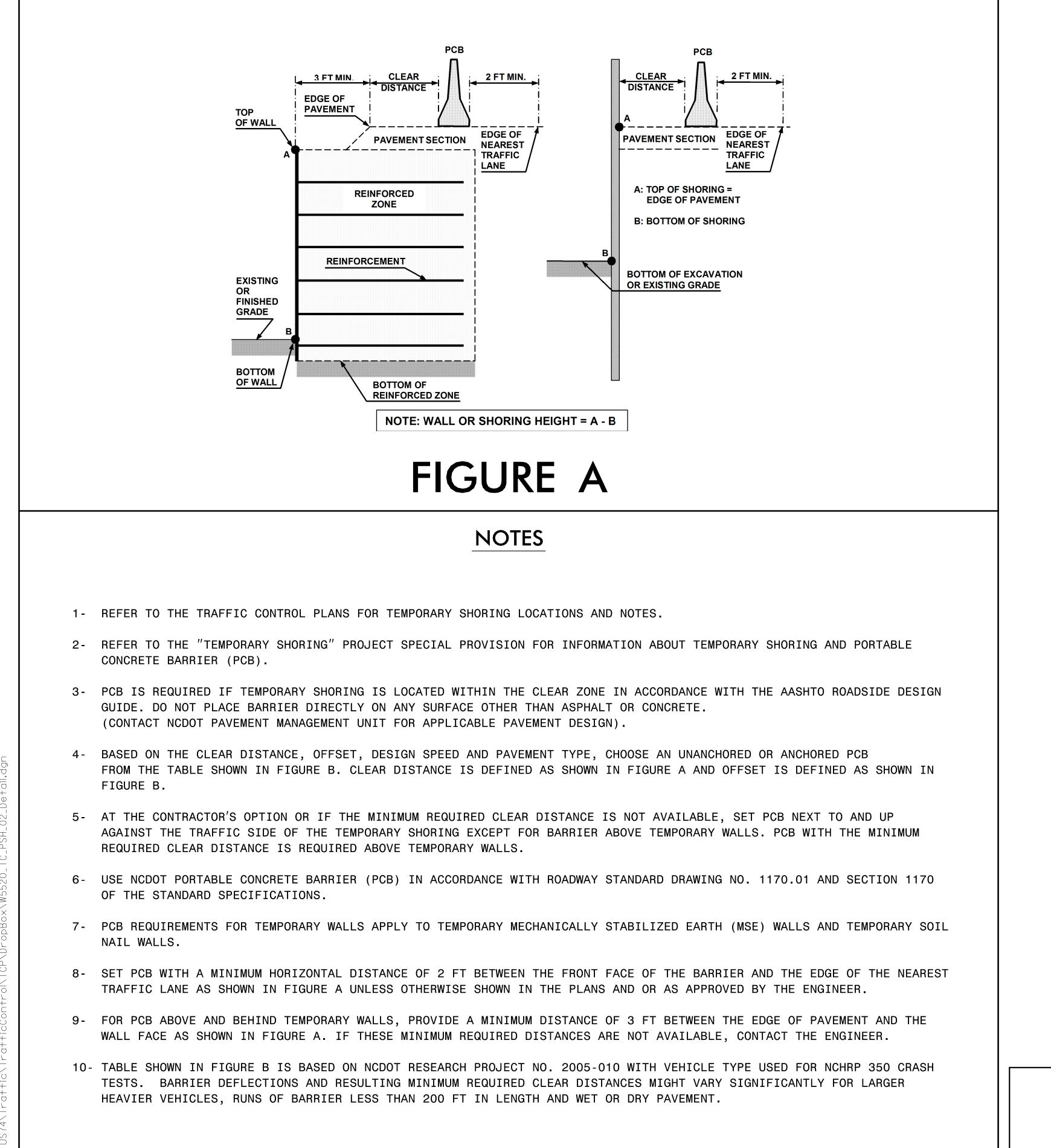
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		W-5520	TMP-1C
	·		
ICTURE CONSTRUCTION			
STORE CONCILION			
THERWISE SHOWN IN THE PHASING O RACTOR SHALL INSTALL TEMPORARY STRUCTURES ADJACENT TO TRAFFIC IN THE FOLLOWING SEQUENCE.	STEEL PLATE	S WHILE CONSTRUC	•
E THE APPROPRIATE TRAVEL LANE TINGS 1101.02.	ΓΟ TRAFFIC L	JSING ROADWAY ST	ANDARD
TRUCT PROPOSED STRUCTURES OR IN HOWN IN THE CONSTRUCTION PLANS ECT STRUCTURES DURING CURING.			
I TRAVEL LANE TO EXISTING AND AF ERN BY THE END OF THE EACH WORK		TEMPORARY TRAFFI	C
I PROPERLY CURED, CLOSE THE APPE IDARDS 1101.02. BACKFILL AND PAVELEVATION OF EXISTING PAVEMENT	/E, IF REQUI	IRED, UP TO THE	
I TRAVEL LANE TO EXISTING AND AF ERN BY THE END OF EACH WORK PEF		TEMPORARY TRAFFI	C
PORARY SHORING			
ORARY SHORING AND POSITIVE PROT D TEMPORARY SHORING PROVISION.	ECTION FOR	TEMPORARY SHORIN	IG, SEE
Y SHORING IS REQUIRED FOR THE P OLLOWING LOCATIONS AS SHOWN ON		or UTILITY INSTA	LLATION
TION 1: FROM STATION 427+57 - TO STATION 428+07 -L4	•		
TION 2: FROM STATION 427+57 - TO STATION 428+07 -L4	•	· · · ·	
EGINNING TEMPORARY SHORING DESI LEVATIONS IN THE VICINITY OF SH HEIGHTS.		•	
EMPORARY SHORING FOR LOCATION 1 OWING ASSUMED SOIL PARAMETERS A			LOW WITH
WEIGHT (γ) = 120 LB/CF TION ANGLE (Φ) = 30 DEGREES NDWATER ELEVATION = 634.9 FT			
TION 1:FROM STATION 427+57 -L4- TO STATION 428+07 -L4-, 13	•		
TION 2:FROM STATION 427+57 -L4- TO STATION 428+07 -L4-, 13	•	· · ·	
ONTRACTOR'S OPTION, USE STANDARD ION 1 AND LOCATION 2 AS LISTED O. 1801.01 FOR STANDARD TEMPORA Y SHORING SPECIAL PROVISION (SP	BELOW. SEE RY SHORING	GEOTECHNICAL STA	NDARD
TION 1:FROM STATION 427+57 -L4 TO STATION 428+07 -L4-, 13	•	· · ·	
TION 2:FROM STATION 427+57 -L4 TO STATION 428+07 -L4-, 13	•	. , .	
2/10/2017			
an DATE: $\frac{2/10/2017}{10}$			
$\frac{Ah}{Q_{H}} DATE: \frac{D}{Q_{H}} DATE: \frac{D}{Q_{H$			
	IKAN	NSPORTATION	

OPERATIONS

PLAN



							PROJ.	REFERENCE NO.	SHEET
							N	1-5520	TMP-2
Barrier Type BOA	MINIM Pavement Type Asphalt	UM REQUI Offset * ft <8 8-14 14-20 20-26 26-32 32-38 38-44 44-50 50-56	<30 24 26 27 28 29 30 31 31 31 32	De 31-40 26 28 29 31 32 34 34 35 36	sign Spe 41-50 29 31 34 35 36 38 41 41 41 42	ed, mph 51-60 32 35 36 38 39 41 43 43 44	61-70 36 38 39 40 42 43 45 46 47	71-80 40 42 43 44 45 46 48 49 50	
Unanchored	Concrete	>56 <8 8-14 14-20 20-26 26-32 32-38 38-44 44-50 50-56 >56	32 17 19 22 23 24 24 24 25 26 26 26 26	36 18 20 22 24 25 26 26 26 26 26 27	42 21 23 24 26 27 27 27 28 28 28 28 28 28 29	45 22 25 26 27 28 30 30 30 32 32 32	47 25 26 28 30 32 33 33 34 35 35 35 36	51 26 29 31 34 35 36 37 37 37 38 38 38	
Anchored PCB	Asphalt	All Offsets	24 for All Design Speeds						
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets		12 f	or All De	esign Sp	eeds		

DETAIL PROVIDED BY NCDOT

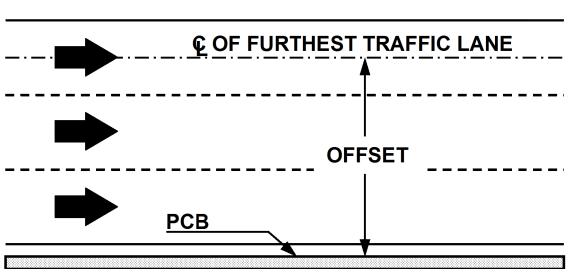
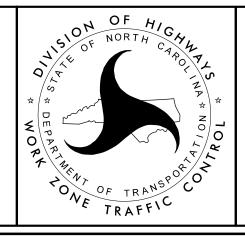


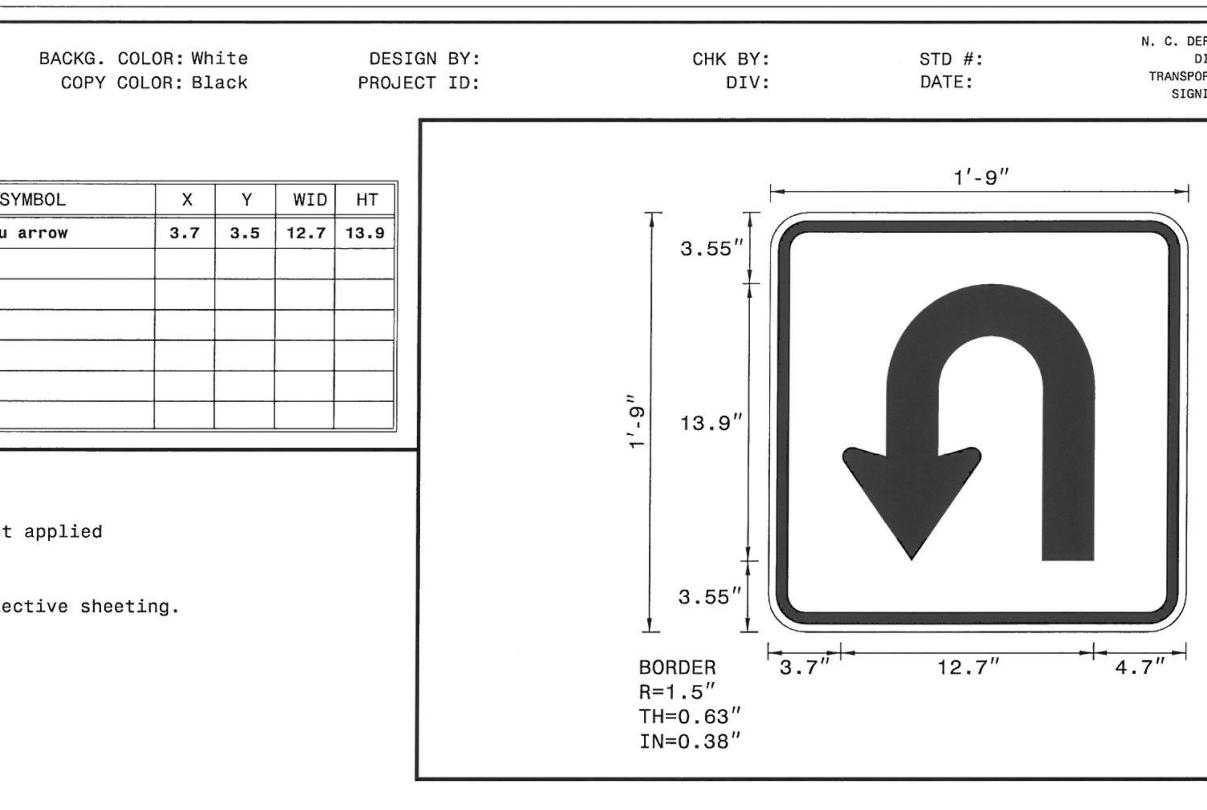
FIGURE B



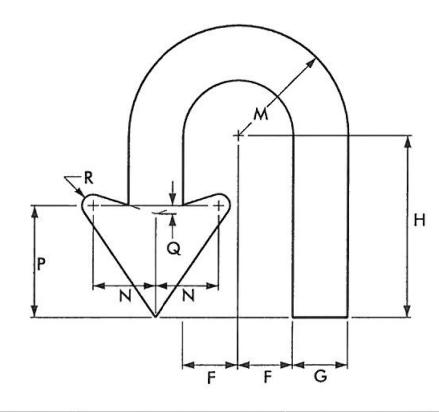
PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS _____

SIGN NUMR: SP-1 TYPE:F Ground QUANTITY: 2 SIGN WIDTH: 1'-9" HEIGHT: 1'-9" TOTAL AREA: 3.1 Sq.Ft. MAT'L: 0.063 " ALUMINUM <u>BORDER TYPE</u> : RECESSED RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH: NOTES: 1. Legend and border shall be dir Non-reflective sheeting. 2. Background shall be Grade C re	
NOTES: 1. Legend and border shall be dir Non-reflective sheeting. 2. Background shall be Grade C re	S` u
 Legend and border shall be dir Non-reflective sheeting. Background shall be Grade C re 	
Spacing Factor is 1 unless spec	direct
A CONTRACTOR OF	refle
A CONTRACTOR OF	
A CONTRACTOR OF	
A CONTRACTOR OF	
A CONTRACTOR OF	
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UNLESS OTHERWISE NOTED BELOW, MAINTAIN ACCESS TO ALL DRIVES AND -Y- LINES THROUGHOUT THE DURATION OF CONSTRUCTION.

CONTRACTOR SHALL WORK IN AREAS 1 THROUGH 4 CONSECUTIVELY, FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1. FOLLOW THE TIME RESTRICTIONS AND REQUIREMENTS SHOWN IN GENERAL NOTES AND AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF EACH CONSTRUCTION AREA UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS, THE SUPERSTREET INTERSECTION TRAFFIC OPERATION PATTERN SHALL BE ACTIVATED FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1.

IN AREA 1, TRAFFIC CONTROL SHALL BE COORDINATED BETWEEN TIP PROJECT W-5520 AND THE MONROE BYPASS PROJECT R-3329/R-2559 WHERE THE PROJECTS JOIN AND/OR OVERLAP.

AREA 1: WESTERN PROJECT LIMITS TO WEST OF CORPORATE BLVD.

PHASE I: MEDIAN U-TURN CONSTRUCTION (TMP-4 THRU TMP-6)

STEP 1:

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USING TEMPORARY LANE CLOSURES (RSD 1101.02), CLOSE EASTBOUND LEFT-TURN LANE AT STA 110+50+/- AND WESTBOUND U-TURN LANE AT STA 106+00+/- AND MAINTAIN TRAFFIC ALONG -L1- (US 74) IN ITS EXISTING TRAFFIC PATTERN.

STEP 2:

AWAY FROM TRAFFIC, AND USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED INSIDE SHOULDER AND MEDIAN U-TURN LANES, INCLUDING DRAINAGE STRUCTURES AND CONCRETE ISLANDS, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE AS FOLLOWS:

-L1- FROM STA 106+10+/- TO STA 115+43+/- (LT & RT SIDES)

-L1- FROM STA 116+80+/- TO STA 126+50+/- (LT & RT SIDES)

AWAY FROM TRAFFIC, AND USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED ROADWAY WIDENING ALONG -L1- AT THE SOUTHBOUND TURNOUT AT -Y1- AND THE NORTHBOUND TURNOUT AT -Y2- AS MUCH AS POSSIBLE WHILE MAINTAINING THE EXISTING TRAFFIC SIGNAL EQUIPMENT (SEE TMP-6).

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

TRAFFIC WILL BE IN ITS EXISTING PATTERN ON -Y1- AND ITS TEMPORARY TRAFFIC PATTERN ALONG -L1- WITH THE MEDIAN CLOSED TO TRAFFIC AT THE END OF EACH WORK DAY.

STEP 3:

UPON COMPLETION OF THE WORK REQUIRED IN PHASE I STEP 2, AWAY FROM TRAFFIC AND USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT ROAD WIDENING AND BULBOUTS FOR U-TURN MOVEMENTS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L1- FROM STA 106+44+/- TO STA 110+00+/- (RT SIDE ONLY)

-L1- FROM STA 120+62+/- TO STA 126+39+/- (LT SIDE ONLY)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN TEMPORARY TRAFFIC PATTERN ALONG -L1- WITH THE PROPOSED MEDIAN U-TURN LANES AND BULBOUT LOCATIONS CLOSED AT THE END OF EACH WORK DAY. TRAFFIC ON -Y1- WILL REMAIN IN ITS EXISTING PATTERN.

STEP 4:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, INSTALL PERMANENT TRAFFIC SIGNALS AND SIGNS AT MEDIAN U-TURN LOCATIONS AND THE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF -L1-, AND -Y1-/-Y2-. KEEP BOTH THE SIGNAL HEADS AND SIGNS COVERED.

INSTALL TEMPORARY PAVEMENT MARKINGS NECESSARY FOR THE SIGNALIZED MEDIAN U-TURN OPERATIONS. MEDIAN U-TURN LANES AND BULBOUT LOCATIONS SHALL REMAIN CLOSED TO TRAFFIC.

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AREA 1 TRAFFIC CONTROL PHASING

ICT: COMPLETE THE WORK REQUIRED IN PHASE I FOLLOWING SATURDAY, SEE INTERMEDIATE

STEP 5:

USING TEMPORARY LANE CLOSURES (RSD 11 PERMANENT TRAFFIC SIGNALS AT THE MEDI BULBOUTS TO TRAFFIC.

INSTALL CLOSELY SPACED DRUMS ALONG ON STA 114+88+/- TO STA 117+52+/- (LT & -L1-AT ITS INTERSECTION WITH -Y1- & -LEFT-TURN TRAFFIC AND -Y1- , -Y2- TRA

OBLITERATE EXISTING CONFLICTING PAVEM MARKINGS AND SYMBOLS (SEE SHEET TMP-8

-Y1- FROM TIE IN AT -L1- TO STA 15+2

-Y2- FROM TIE IN AT -L1- TO STA 12+5

-L1- FROM STA 106+10+/- TO STA 115+43

-L1- FROM STA 116+80+/- TO STA 126+5

PHASE II: INTERSECTION SUPERSTR WIDENING (TMP-7 THRU TEMP-9)

ICT: COMPLETE THE WORK REQUIRED IN PHASE I SEE INTERMEDIATE CONTRACT TIME AND LI

STEP 1:

USING TEMPORARY LANE CLOSURES (RSD 1101 MEDIAN DIRECTIONAL CROSS-OVER ON -L1- A CONCRETE ISLAND ON -Y1-, UP TO BUT NOT

-L1- FROM STA 114+88+/- TO STA 117+5

-Y1- FROM TIE IN AT -L1- TO STA 15+2

-Y2- FROM TIE IN AT -L1- TO STA 12+5

CONSTRUCT WEDGING AS NEEDED TO PROVIDE CROSS SLOPES TO ENSURE POSITIVE DRAINAG

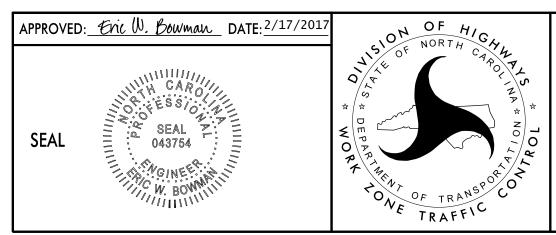
INSTALL SIGNS AND NEW TRAFFIC SIGNAL HE -L1- AND -Y1- /-Y2-. KEEP THE NEW SIGNA

TRAFFIC SHALL REMAIN IN ITS TEMPORARY T INTERSECTION CROSSOVER AND -Y- LINE ROAM PERIOD.



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PPOJ. REFERENCE NO. SHEET NO. W-5520 TMP-3 STEP S FROM 9:00 P.M. ON A FRIDAY TO 6:00 A.M. THE CONTRACT TIME AND LIQUIDATED DAMAGES. OI.02), FLAGGERS, AND LAW ENFORCEMENT AS NEEDED, ACTIVATE THE AN U-TURN LOCATIONS, AND OPEN THE MEDIAN U-TURN LANES AND I THE INSIDE EDGE OF TRAVELED WAY (BOTH DIRECTIONS) FROM -L1- (RT SIDE) TO CLOSE MEDIAN CROSSOVER AND LEFT-TURN LANES ON Y2-, AND ACTIVATE THE TEMPORARY TRAFFIC SIGNAL. SHIFT US 74 FFIC IN A TEMPORARY TRAFFIC PATTERN USING MEDIAN U-TURNS: INF MARKINGS AND SYMBOLS AND PLACE TEMPORARY PAVEMENT & TMP-9): 26+/- 50+/- EET CROSS-OVER CONSTRUCTION AND -Y- LINE I STEPS 1 AND 2 IN SIXTY (60) CONSECUTIVE CALANDER DAYS, GUIDATED DAMAGES. .02) AND FLAGGERS AS NEEDED, AWAY FROM TRAFFIC, CONSTRUCT NO ROAD WIDENING ON -Y1- AND -Y2-, EXCLUDING THE MONOLITHIC INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS: S2+/- (LT & RT SIDE) A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE E. REPLACE EXISTING PAVEMENT AND APPROPRIATE E. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED. ADS FOR THE PERMANENT TRAFFIC SIGNAL AT THE INTERSECTION OF HEADS AND SIGNS COVERED. RAFFIC PATTERN ON -L1-, -Y1-, AND -Y2- WITH THE PROPOSED D WIDENING AREAS CLOSED TO TRAFFIC AT THE END OF EACH WORK			
STEP 5 FROM 9:00 P.M. ON A FRIDAY TO 6:00 A.M. THE CONTRACT TIME AND LIQUIDATED DAMAGES. 01.02), FLAGGERS, AND LAW ENFORCEMENT AS NEEDED, ACTIVATE THE AN U-TURN LOCATIONS, AND OPEN THE MEDIAN U-TURN LANES AND 1 THE INSIDE EDGE OF TRAVELED WAY (BOTH DIRECTIONS) FROM -L1- . AT SIDE) TO CLOSE MEDIAN CROSSOVER AND LEFT-TURN LANES ON Y2-, AND ACTIVATE THE TEMPORARY TRAFFIC SIGNAL. SHIFT US 74 (FFIC IN A TEMPORARY TRAFFIC PATTERN USING MEDIAN U-TURNS: NENT MARKINGS AND SYMBOLS AND PLACE TEMPORARY PAVEMENT : & TMP-9): 16+/- 13+/- 15+/- EET CROSS-OVER CONSTRUCTION AND -Y- LINE I STEPS 1 AND 2 IN SIXTY (60) CONSECUTIVE CALANDER DAYS, QUIDATED DAMAGES. 02) AND FLAGGERS AS NEEDED, AWAY FROM TRAFFIC, CONSTRUCT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS: 52+/- (LT & RT SIDE) 26+/- (LT & RT SIDE) 26+/- (LT & RT SIDE) A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE E. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED. ADS FOR THE PERMANENT TRAFFIC SIGNAL AT THE INTERSECTION OF L HEADS AND SIGNS COVERED.			SHEET NO
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E. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED. ADS FOR THE PERMANENT TRAFFIC SIGNAL AT THE INTERSECTION OF L HEADS AND SIGNS COVERED. RAFFIC PATTERN ON -L1-, -Y1-, AND -Y2- WITH THE PROPOSED	0+/- (LT & RT SIDE)		
L HEADS AND SIGNS COVERED. RAFFIC PATTERN ON -L1-, -Y1-, AND -Y2- WITH THE PROPOSED			
		THE INTERSECTION	OF

AREA 1: WESTERN PROJECT LIMITS TO WEST OF CORPORATE BLVD. (CONTINUED)

PHASE II: (CONTINUED)

ICT: COMPLETE THE WORK REQUIRED IN PHASE II STEP 2 FROM 9:00 P.M. ON A FRIDAY TO 6:00 A.M. THE FOLLOWING SATURDAY, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 2:

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UPON COMPLETION OF THE WORK REQUIRED IN PHASE II STEP 1, USING TEMPORARY LANE CLOSURES (RSD 1101.02), FLAGGERS AND LAW ENFORCEMENT AS NEEDED PLACE TEMPORARY PAVEMENT MARKINGS (SEE FINAL PAVEMENT MARKING PLANS FOR DIMENSIONS), OPEN MEDIAN DIRECTIONAL CROSS-OVER AND PLACE -L1- , -Y1-, AND -Y2-TRAFFIC IN ITS PERMANENT TRAFFIC PATTERN, AND ACTIVATE THE FINAL TRAFFIC SIGNAL AT THE INTERSECTION OF -L1-, AND -Y1- /-Y2-.

PHASE III: WEDGING, TEMPORARY PAVEMENT MARKING, AND MONOLITHIC CONCRETE ISLAND ON -Y1-

STEP 1:

USING ALTERNATING LANE CLOSURES (RSD. 1101.02 SHEET 3 OF 15), COMPLETE CONSTRUCTION OF -L1-, -Y1-, AND -Y2- INCLUDING WEDGING AND MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED) ON -Y1-. INSTALL TEMORARY PAVEMENT MARKINGS AND TEMPORARY MARKERS AND THEN SHIFT TRAFFIC INTO FINAL PATTERN. FINAL LAYER OF SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS AND MARKERS WILL BE COMPLETED ONCE ALL OTHER AREAS ARE CONSTRUCTED.

-L1- FROM STA 106+10+/- TO STA 126+50+/-

-Y1- FROM TIE IN AT -L1- TO STA 15+26+/-

-Y2- FROM TIE IN AT -L1- TO STA 12+50+/-

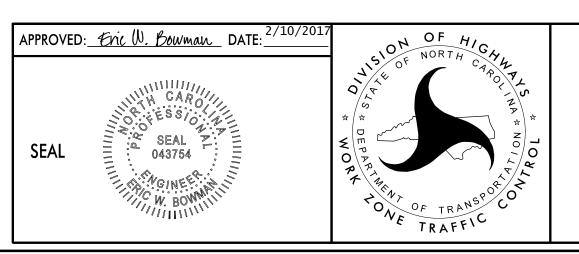
STEP 2:

UPON COMPLETION OF CONSTRUCTION OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1 IN CONSECTIVE ORDER INSTALL FINAL LAYER OF SURFACE COURSE, PERMENANT PAVEMENT MARKINGS, AND PAVEMENT MARKERS ALONG U.S. 74 AND ALL Y-LINES FROM THE BEGINNING OF TIP PROJECT W-5520 TO THE ENDING OF TIP PROJECT W-5520. TRAFFIC SHALL BE IN ITS FINAL TRAFFIC PATTERN.

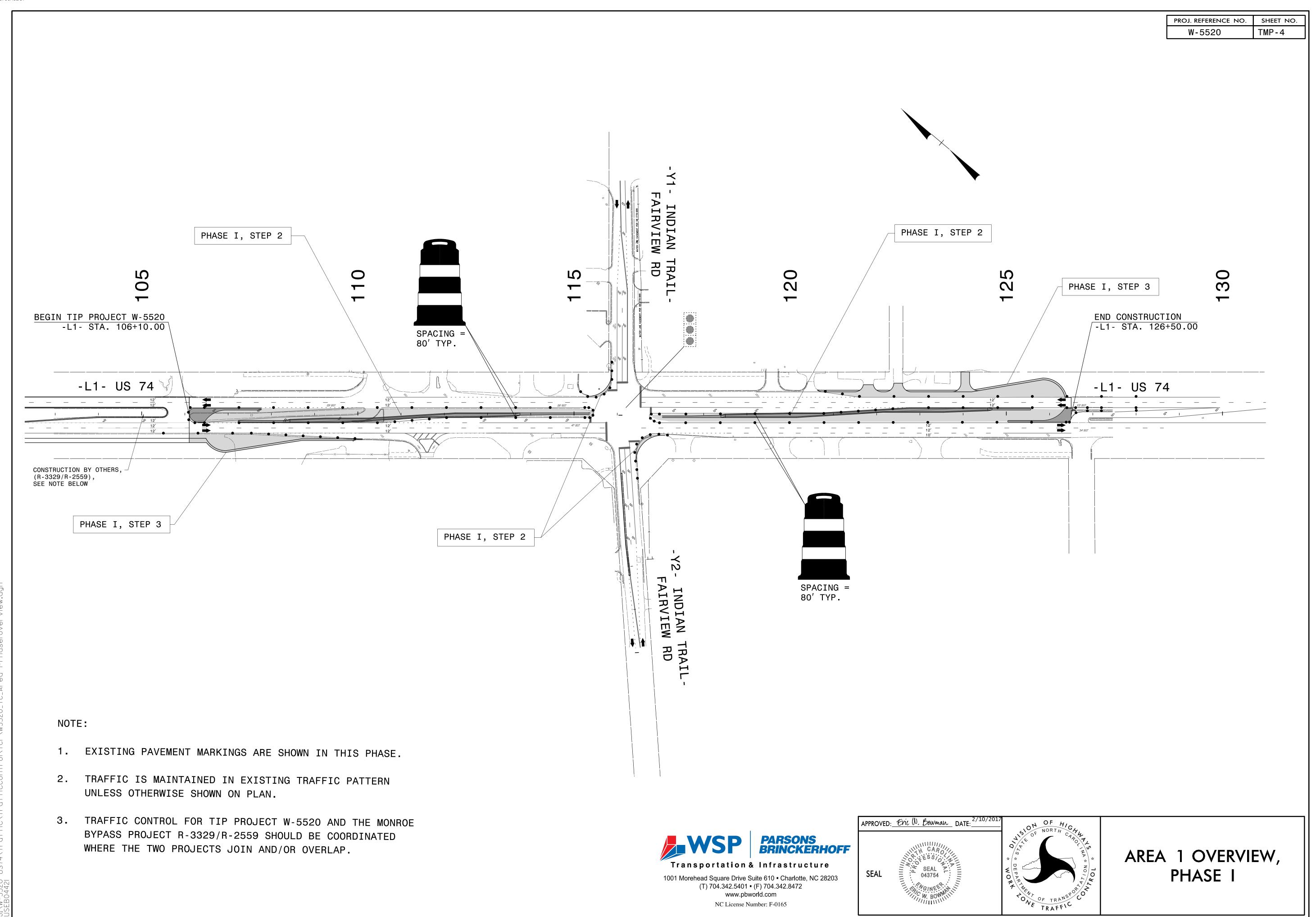
AREA 1 TRAFFIC CONTROL PHASING



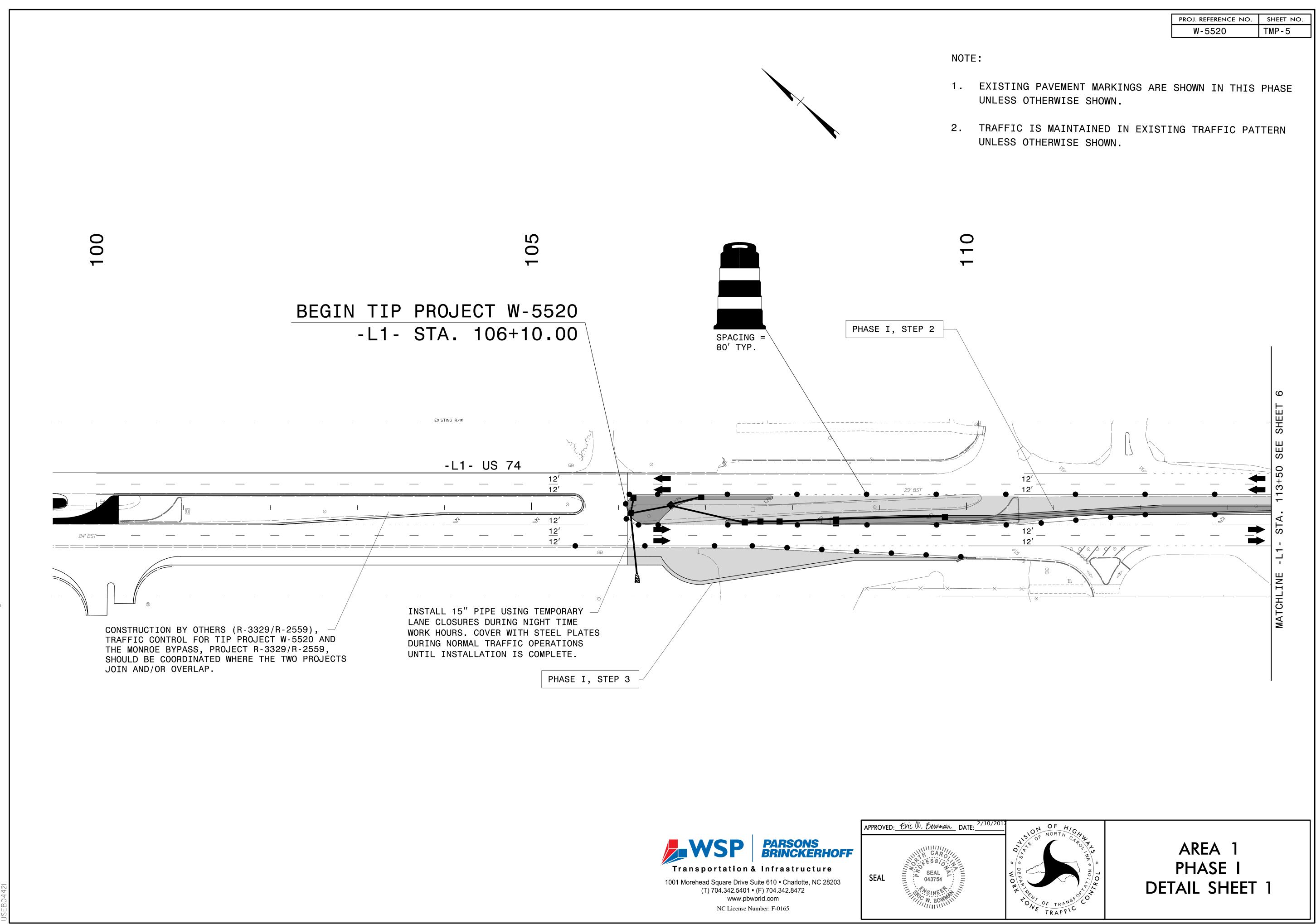
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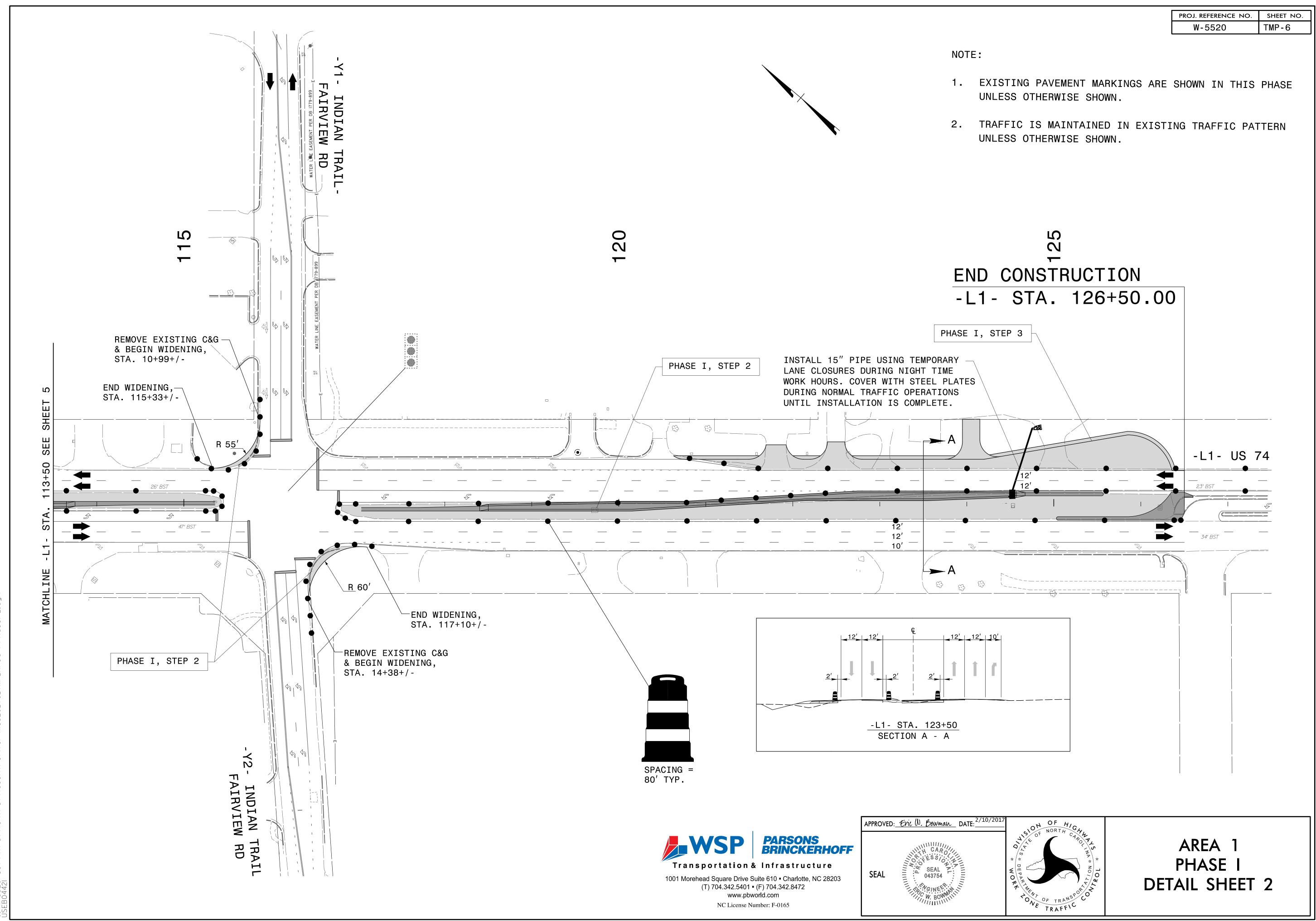
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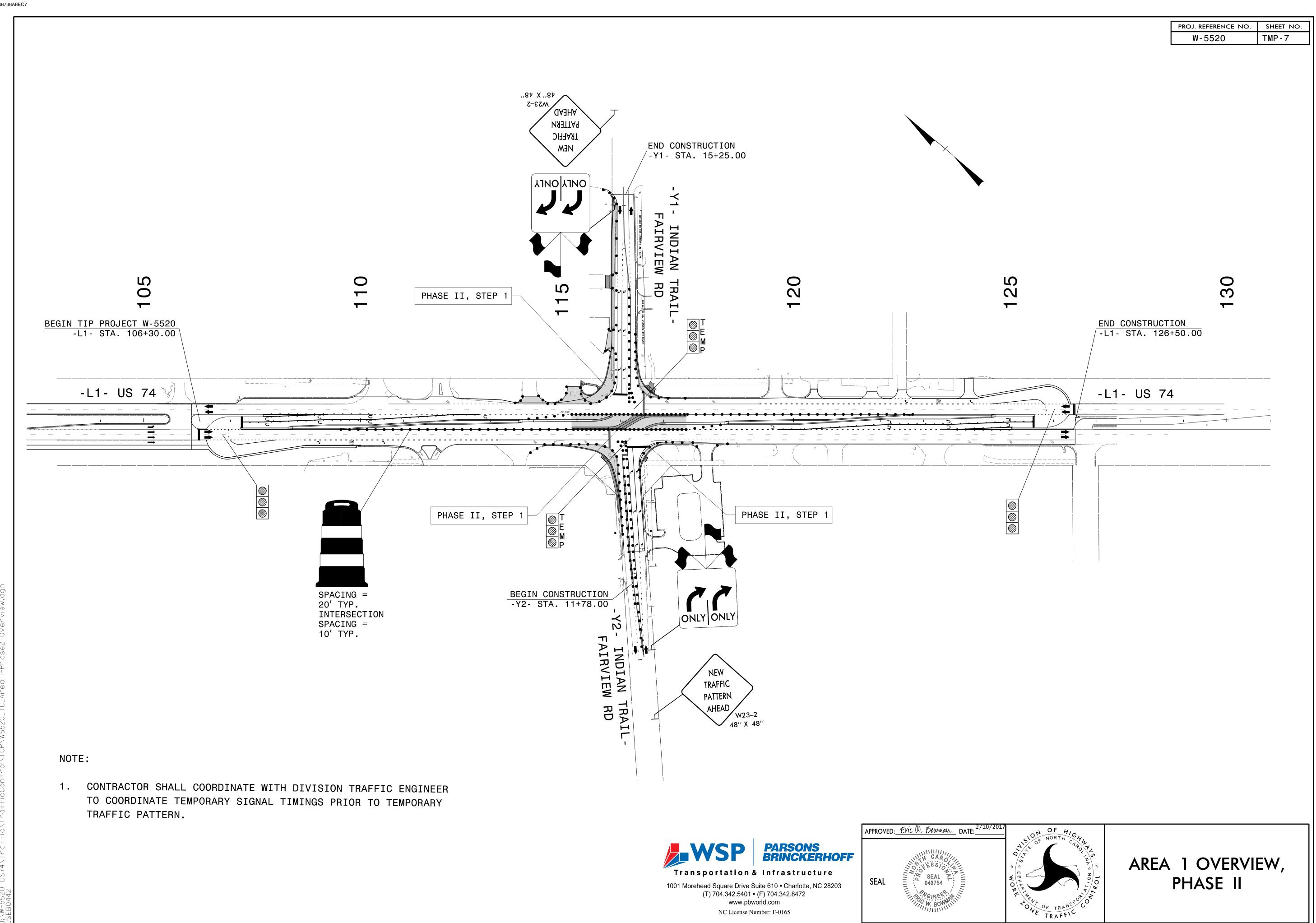


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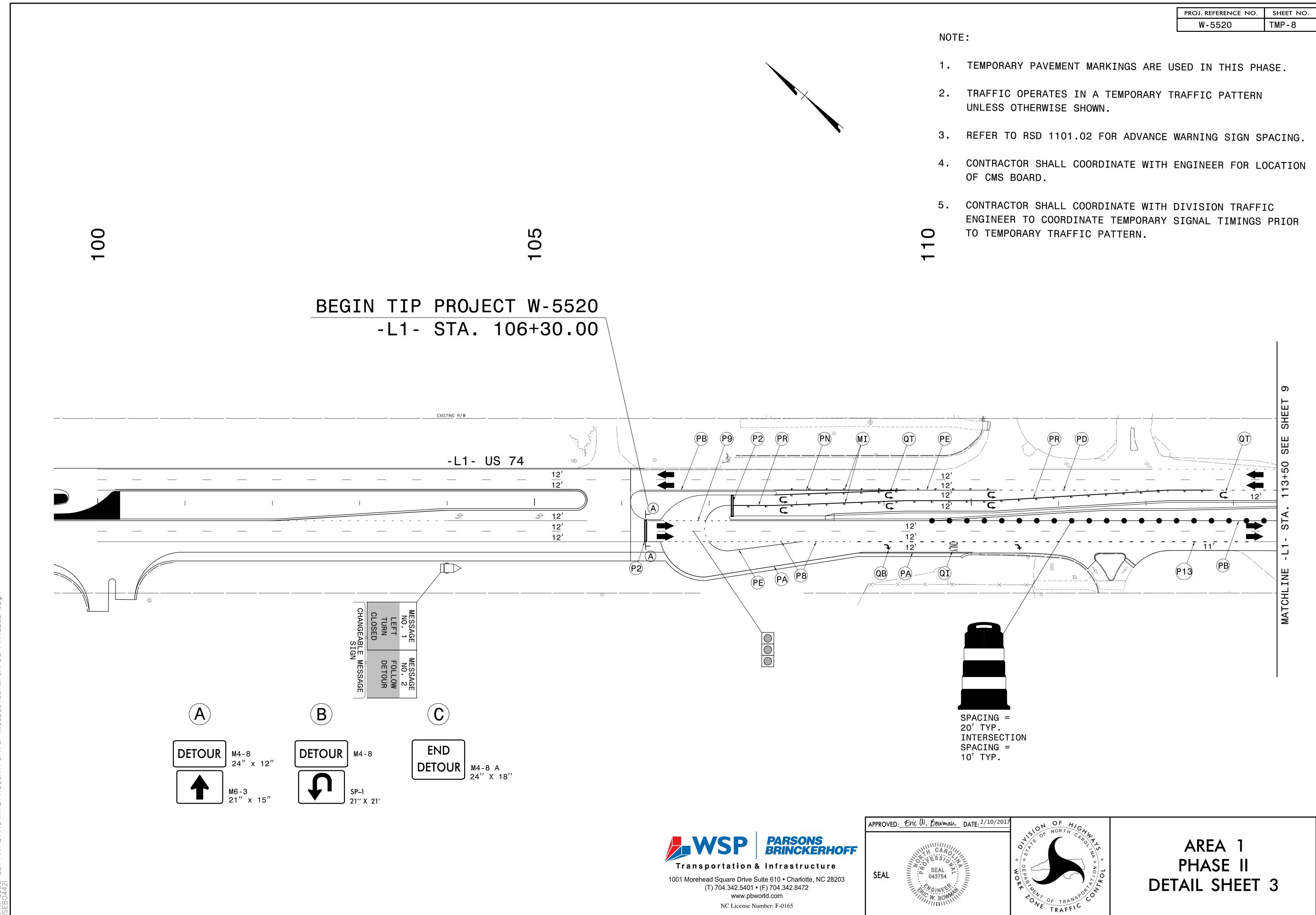


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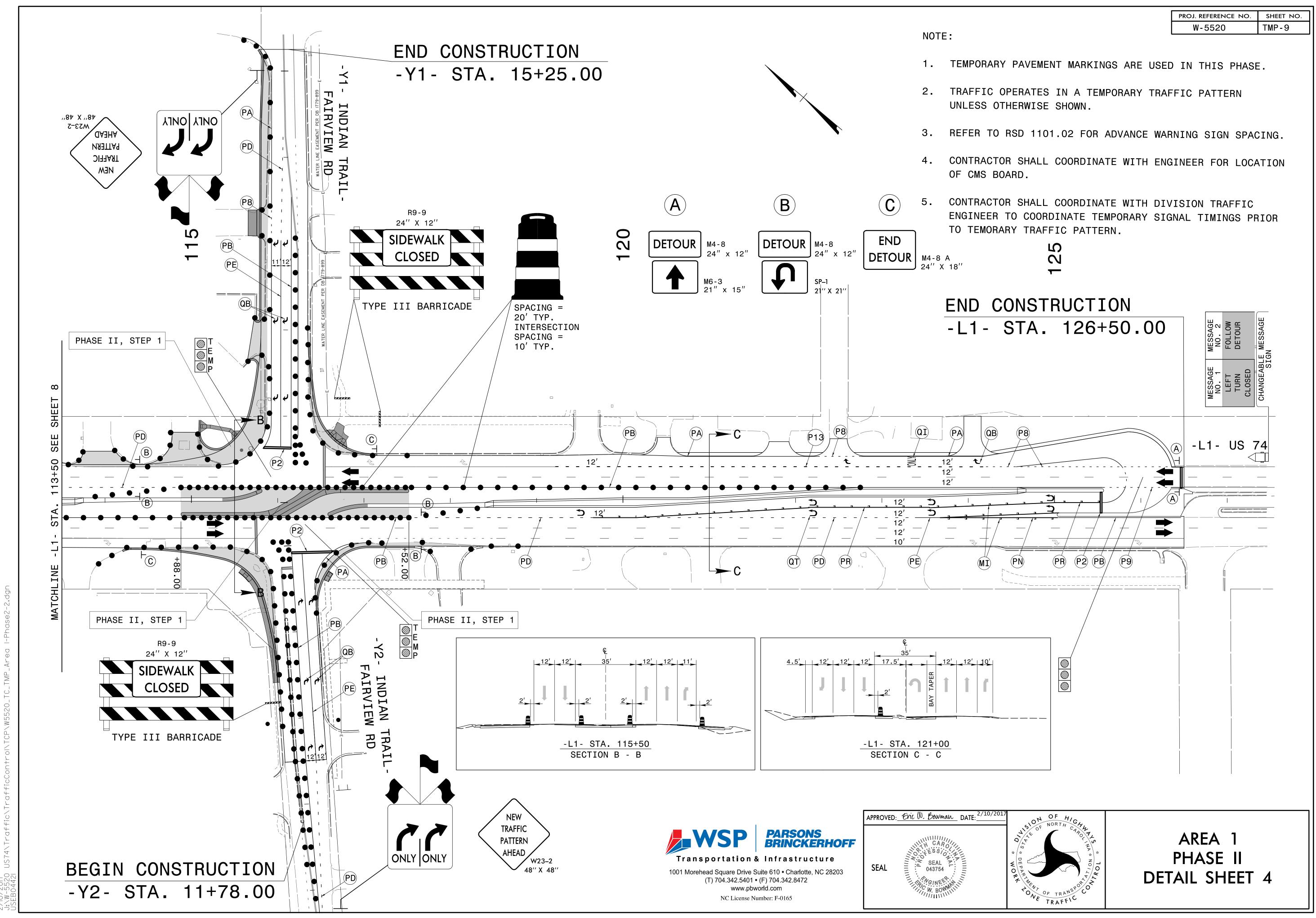


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W-5520 W-5520

	PROJ. REFERENCE NO.	SHEET NO.
	W-5520	TMP-8
TE:		
TEMPORARY PAVEMENT MARKINGS ARE U	SED IN THIS PH	ASE.
TRAFFIC OPERATES IN A TEMPORARY T		



INSTALL WORK ZONE ADVANCE WARNING SIGNS PER RSD 1101.01.

UNLESS OTHERWISE NOTED BELOW, MAINTAIN ACCESS TO ALL DRIVES AND -Y- LINES THROUGHOUT THE DURATION OF CONSTRUCTION.

CONTRACTOR SHALL WORK IN AREAS 1 THROUGH 4 CONSECUTIVELY, FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1. FOLLOW THE TIME RESTRICTIONS AND REQUIREMENTS SHOWN IN GENERAL NOTES AND AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF EACH CONSTRUCTION AREA UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS, THE SUPERSTREET INTERSECTION TRAFFIC OPERATION PATTERN SHALL BE ACTIVATED FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1.

AREA 2: EAST OF CORPORATE BLVD. TO WEST OF TECHNOLOGY DR.

PHASE I: EB US 74 WEDGING AND MEDIAN U-TURN CONSTRUCTION (TMP-11 THRU TMP13)

STEP 1:

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USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT MILLING AND WEDGING ON -L2- (US 74) FROM STA 220+75 +/- TO STA 226+15 +/-, AND INSTALL TEMPORARY PAVEMENT MARKINGS. MAINTAIN TRAFFIC IN ITS EXISTING PATTERN ALONG -L2- AT THE END OF THE WORK PERIOD.

STEP 2:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED INSIDE SHOULDER AND MEDIAN U-TURN LANES, INCLUDING DRAINAGE STRUCTURES AND CONCRETE ISLANDS, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE AS FOLLOWS:

-L2- FROM STA 213+77+/- TO STA 226+15+/- (LT & RT SIDES)

THE CONTRACTOR SHALL USE TRENCHLESS INSTALLATION FOR THE DRAINAGE PIPE UNDER US 74.

-L2- STA. 221+32 +/-

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN TRAFFIC IN ITS EXISTING PATTERN AT THE END OF EACH WORK PERIOD.

STEP 3:

AWAY FROM TRAFFIC. USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED. CONSTRUCT ROAD WIDENING AND BULBOUTS FOR U-TURN MOVEMENTS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L2- FROM STA 214+65+/- TO STA 226+04+/- (LT SIDE ONLY)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN TRAFFIC IN ITS EXISTING PATTERN AT THE END OF EACH WORK PERIOD.

STEP 4:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, INSTALL PERMANENT TRAFFIC SIGNAL AND SIGNS AT THE EASTBOUND MEDIAN U-TURN. KEEP BOTH THE SIGNAL HEADS AND SIGNS COVERED.

INSTALL TEMPORARY PAVEMENT MARKINGS NECESSARY FOR THE SIGNALIZED EASTBOUND MEDIAN U-TURN OPERATIONS. THE PROPOSED MEDIAN U-TURN LANE AND BULBOUT LOCATION SHALL REMAIN CLOSED TO TRAFFIC.

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AREA 2 TRAFFIC CONTROL PHASING

ICT: COMPLETE THE WORK REQUIRED IN PHASE I ST FOLLOWING SATURDAY, SEE INTERMEDIATE CON

<u>STEP 5</u>:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) PERMANENT TRAFFIC SIGNAL AT THE EASTBOUND M AND BULBOUT TO TRAFFIC.

INSTALL CMS AND DETOUR SIGNS ON EASTBOUND US LEFT-TURN LANES WITH DRUMS AT THE INTERSECT LEFT-TURN TRAFFIC TO ITS TEMPORARY DETOUR R THE EXISTING TRAFFIC SIGNAL AT THE INTERSEC PATTERN.

OBLITERATE EXISTING CONFLICTING PAVEMENT MAR AND SYMBOLS (SEE SHEET TMP-15 & TMP-16). TRA TRAFFIC PATTERN AT THE END OF THE WORK PERIC

PHASE II: WB US 74 MEDIAN U-TURN CO

STEP 1:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) SHOULDER AND MEDIAN U-TURN LANES, INCLUDING INCLUDING THE FINAL LAYER OF SURFACE AS FOL

-L2- FROM STA 205+10+/- TO STA 212+29+/- (L

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMC CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. R

TRAFFIC WILL BE IN ITS EXISTING PATTERN ON WITH THE MEDIAN AND EASTBOUND LEFT-TURN LAN MAINTAIN THE EASTBOUND LEFT-TURN DETOUR ROU

STEP 2:

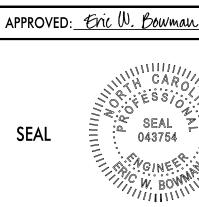
UPON COMPLETION OF THE WORK REQUIRED IN PHAS EASTBOUND US 74 NEAR STA. L2- 205+50 +/-. 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT BULBOUT FOR U-TURN MOVEMENT UP TO BUT NOT IN

-L2- FROM STA 205+19+/- TO STA 207+95+/- (R

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMC CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. R

MAINTAIN THE EASTBOUND LEFT-TURN DETOUR ROU THE PROPOSED ENTRANCE TO KATE*S SKATE, WESTE THE END OF EACH WORK PERIOD. TRAFFIC ON -Y3





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NE TRAFFIC

	PROJ. REFERENCE NO.	SHEET NO.
	W-5520	TMP-10
EP 5 FROM 9:00 P.M. ON FRIDAY TO 6:00 A.	M. THE	
TRACT TIME AND LIQUIDATED DAMAGES.		
, FLAGGERS, AND LAW ENFORCEMENT AS NEEDE EDIAN U-TURN LOCATIONS, AND OPEN THE MED	-	
DIAN OFFORM LOCATIONS, AND OF EN THE MED		
S 74 AS SHOWN ON TMP-15 & TMP-16, CLOSE	THE EASTBOUND	
ION OF -L2- AND -Y3-/ -Y4-, AND PLACE TH DUTE USING THE DOWNSTREAM MEDIAN U-TURN		
TION OF -L2- AND -Y3-/ -Y4- FOR THE TEMP		
RKINGS AND SYMBOLS AND PLACE TEMPORARY P AFFIC ON -Y3- AND -Y4- SHALL REMAIN IN I		
NSTRUCTION (TMP-14 THUR TMP-	- 16)	
AND FLAGGERS AS NEEDED, CONSTRUCT PROPO	SED INSIDE	
DRAINAGE STRUCTURES AND CONCRETE ISLAND _OWS:	S, UP TO BUT NOT	
T & RT SIDES)		
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DOTH TRANSITION TO EXISTING PAVEMENT AND EPLACE EXISTING PAVEMENT MARKINGS WHERE		
-Y3-/-Y4- AND ITS TEMPORARY TRAFFIC PATT	FRN ALONG -12-	
ES CLOSED TO TRAFFIC AT THE END OF EACH		
TE.		
SE II STEP 1, CLOSE ENTRANCE TO KATE'S SH		
AWAY FROM TRAFFIC, USING TEMPORARY LANE PROPOSED ENTRANCE TO KATE*S SKATE, ROAD	N N	
NCLUDING THE FINAL LAYER OF SURFACE COUR	SE AS FOLLOWS:	
T SIDE ONLY)		
OOTH TRANSITION TO EXISTING PAVEMENT AND		
EPLACE EXISTING PAVEMENT MARKINGS WHERE	REQUIRED.	
TE AND THE TEMPORARY TRAFFIC PATTERN ALO BOUND MEDIAN U-TURN LANE AND BULBOUT LOC		
-/-Y4- WILL REMAIN IN ITS EXISTING PATTE		
$ \underline{DATE} \xrightarrow{2/10/2017} \mathbf{OF} \xrightarrow{OF} \operatorname{NORT}_{H} \operatorname{GH}_{C_{\mathcal{A}_{\mathcal{P}}}} \mathbf{OF}} \mathbf{OF} $		
	ORARY TRA	
	TROL PHAS	ING

AREA 2: EAST OF CORPORATE BLVD. TO WEST TECHNOLOGY DR. (CONTINUED)

PHASE II: (CONTINUED)

STEP 3:

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USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, INSTALL PERMANENT TRAFFIC SIGNAL AND SIGNS AT THE WESTBOUND MEDIAN U-TURN LOCATION AND THE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF -L2-, AND -Y3-/-Y4-. KEEP BOTH THE SIGNAL HEADS AND SIGNS COVERED.

INSTALL TEMPORARY PAVEMENT MARKINGS NECESSARY FOR THE SIGNALIZED WESTBOUND MEDIAN U-TURN OPERATIONS. MEDIAN U-TURN LANES AND BULBOUT LOCATIONS SHALL REMAIN CLOSED TO TRAFFIC.

ICT: COMPLETE THE WORK REQUIRED IN PHASE II STEP 4 FROM 9:00 P.M. ON A FRIDAY TO 6:00 A.M. THE FOLLOWING SATURDAY, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 4:

USING TEMPORARY LANE CLOSURES (RSD 1101.02), FLAGGERS, AND LAW ENFORCEMENT AS NEEDED, ACTIVATE THE PERMANENT TRAFFIC SIGNAL AT THE WESTBOUND MEDIAN U-TURN LOCATIONS, AND OPEN THE MEDIAN U-TURN LANE, BULBOUT AND KATE*S SKATE ENTRANCE TO TRAFFIC.

INSTALL CLOSELY SPACED DRUMS ALONG THE INSIDE EDGE OF TRAVELED WAY (BOTH DIRECTIONS) FROM -L2- STA 211+88+/- TO STA 214+27+/- (LT & RT SIDE) TO CLOSE MEDIAN CROSSOVER AND WESTBOUND LEFT-TURN LANE ON -L2-AT ITS INTERSECTION WITH -Y3- & -Y4-, AND ACTIVATE THE TEMPORARY TRAFFIC SIGNAL. REMOVE THE EASTBOUND LEFT-TURN DETOUR ROUTE AND SHIFT US 74 LEFT-TURN TRAFFIC AND -Y3- , -Y4- TRAFFIC IN A TEMPORARY TRAFFIC PATTERN USING MEDIAN U-TURNS:

OBLITERATE EXISTING CONFLICTING PAVEMENT MARKINGS AND SYMBOLS AND PLACE TEMPORARY PAVEMENT MARKINGS AND SYMBOLS (SEE SHEET TMP-8):

-Y3- FROM TIE IN AT L2- TO STA 14+60+/-

-Y4- FROM TIE IN AT L2- TO STA 11+40+/-

-L2- FROM STA 205+10+/- TO STA 212+29+/-

-L2- FROM STA 213+77+/- TO STA 226+15+/-

PHASE III: INTERSECTION SUPERSTREET CROSS-OVER CONSTRUCTION AND -Y3- WIDENING (TMP-17 THRU-19)

ICT: COMPLETE THE WORK REQUIRED IN PHASE III STEPS 1 AND 2 IN FORTY-FIVE (45) CONSECUTIVE CALANDER DAYS, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

<u>STEP 1</u>:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT MEDIAN DIRECTIONAL CROSS-OVER AND ROAD WIDENING ON -Y3- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L2- FROM STA 211+88+/- TO STA 214+27+/- (LT & RT SIDE)

-Y3- FROM TIE IN AT -L2- TO STA 14+60 (LT ONLY, EXCLUDING THE MONOLITHIC KEY-IN ISLAND)

INSTALL PERMANENT TRAFFIC SIGNAL AND SIGNS AT THE INTERSECTION OF -L2- AND -Y3- /-Y4-. KEEP THE NEW SIGNAL HEADS AND SIGNS COVERED.

TRAFFIC SHALL REMAIN IN ITS TEMPORARY TRAFFIC PATTERN ON -L2-, -Y3-, AND -Y4-.

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AREA 2 TRAFFIC CONTROL PHASING

PHASE III: (CONTINUED)

ICT: COMPLETE THE WORK REQUIRED IN PHASE III S FOLLOWING SATURDAY, SEE INTERMEDIATE CON

STEP 2:

UPON COMPLETION OF THE WORK REQUIRED IN PH 1101.02), FLAGGERS AND LAW ENFORCEMENT AS FINAL PAVEMENT MARKING PLANS FOR DIMENSION -Y3-, AND -Y4- TRAFFIC IN ITS PERMANENT TF THE INTERSECTION OF -L2-, -Y3-, AND -Y4-.

PHASE IV: WEDGING, TEMPORARY PAVE CONCRETE ISLAND ON -Y3-

STEP 1:

USING ALTERNATING LANE CLOSURES (RSD. 1 AND -Y4- INCLUDING WEDGING AND MONOLITH TEMPORARY PAVEMENT MARKINGS AND TEMPORAL PATTERN. FINAL LAYER OF SURFACE COURSE ONCE ALL OTHER AREAS ARE CONSTRUCTED.

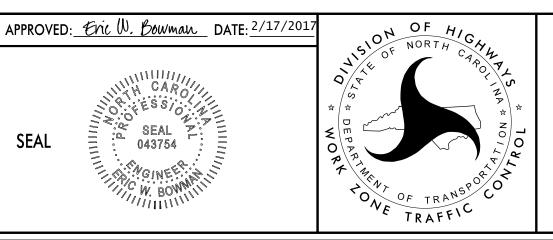
-L2- FROM STA 205+10+/- TO STA 226+15+/

-Y3- FROM TIE IN AT L2- TO STA 14+60+/-

-Y4- FROM TIE IN AT L2- TO STA 11+40+/-

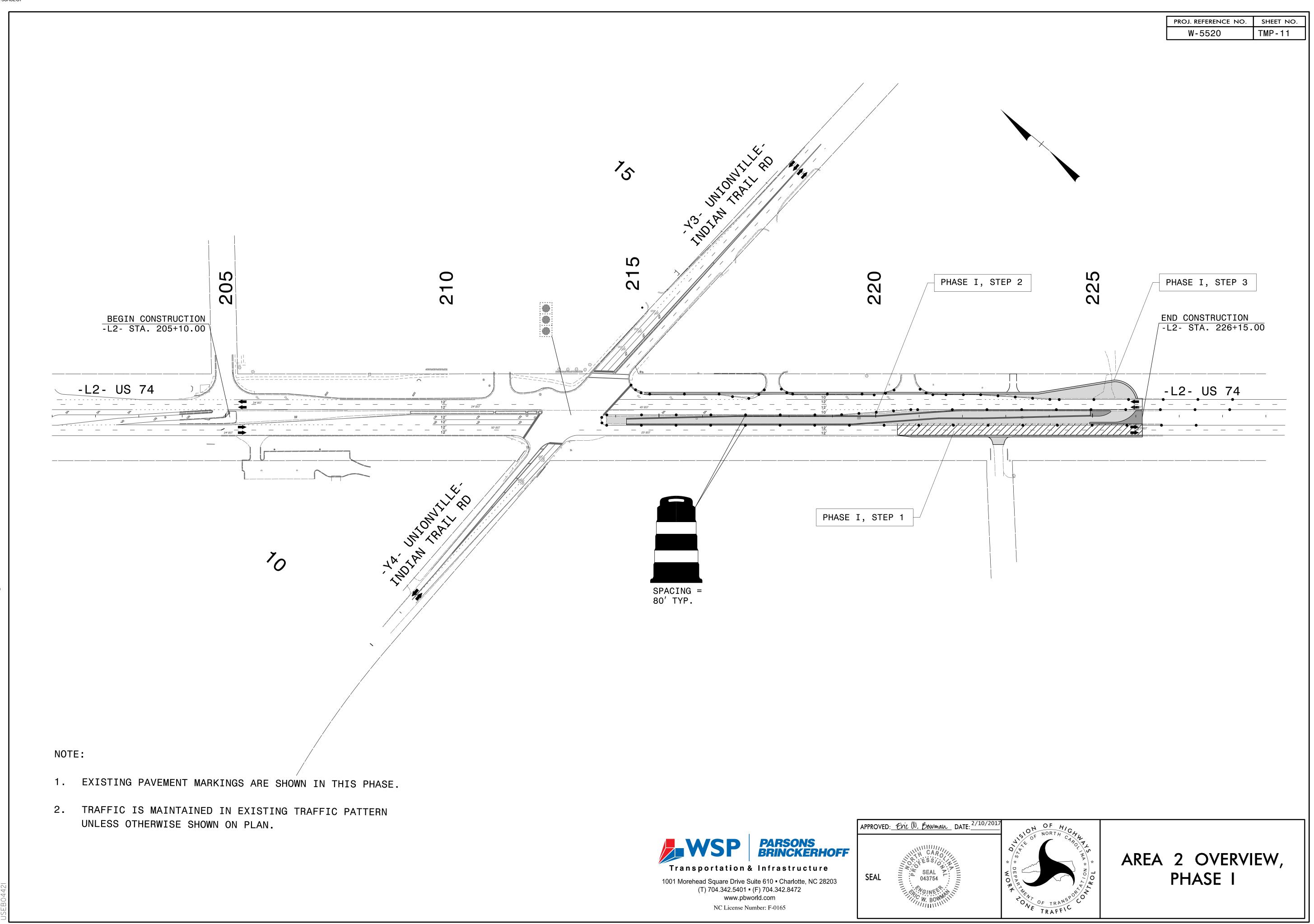


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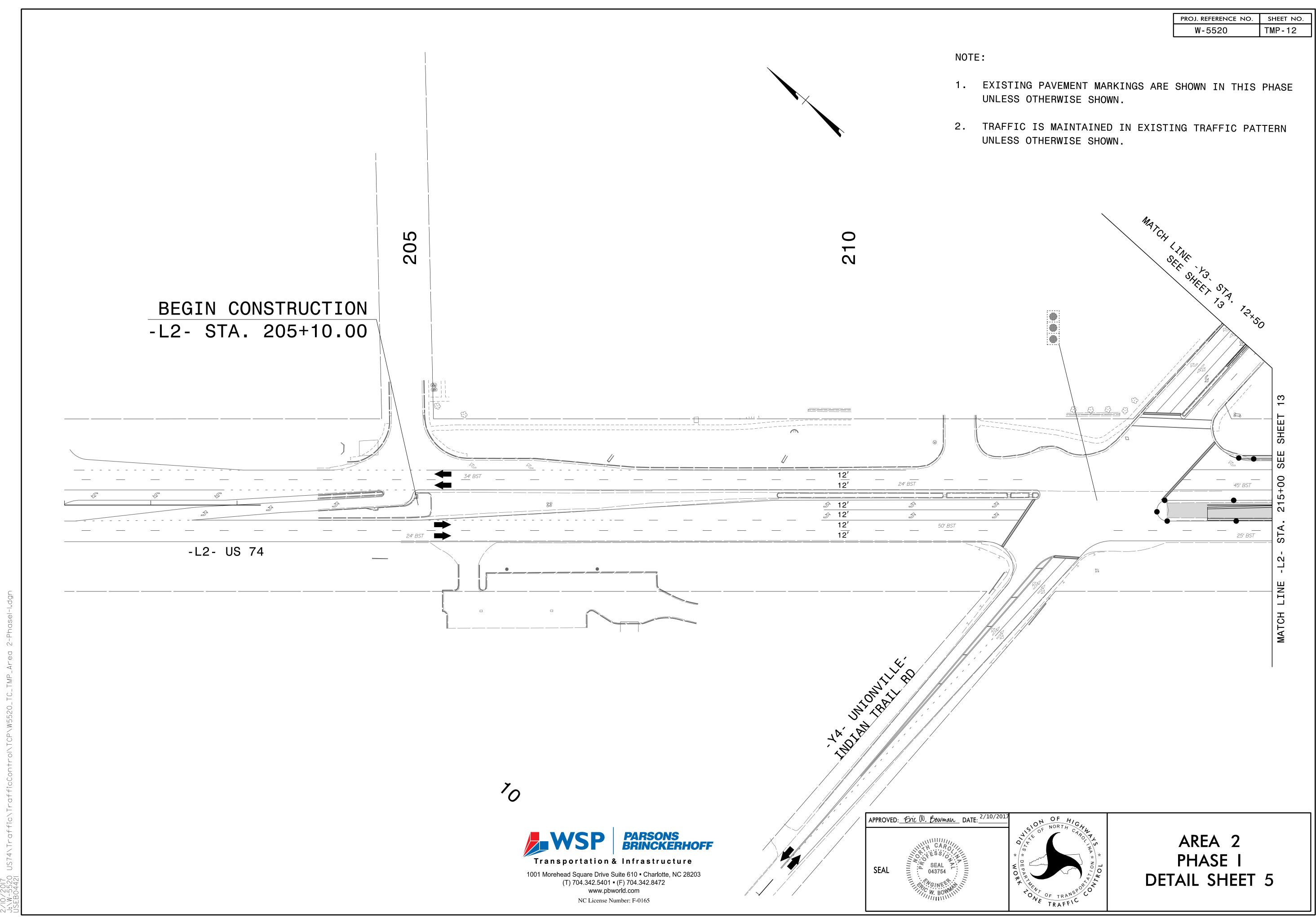


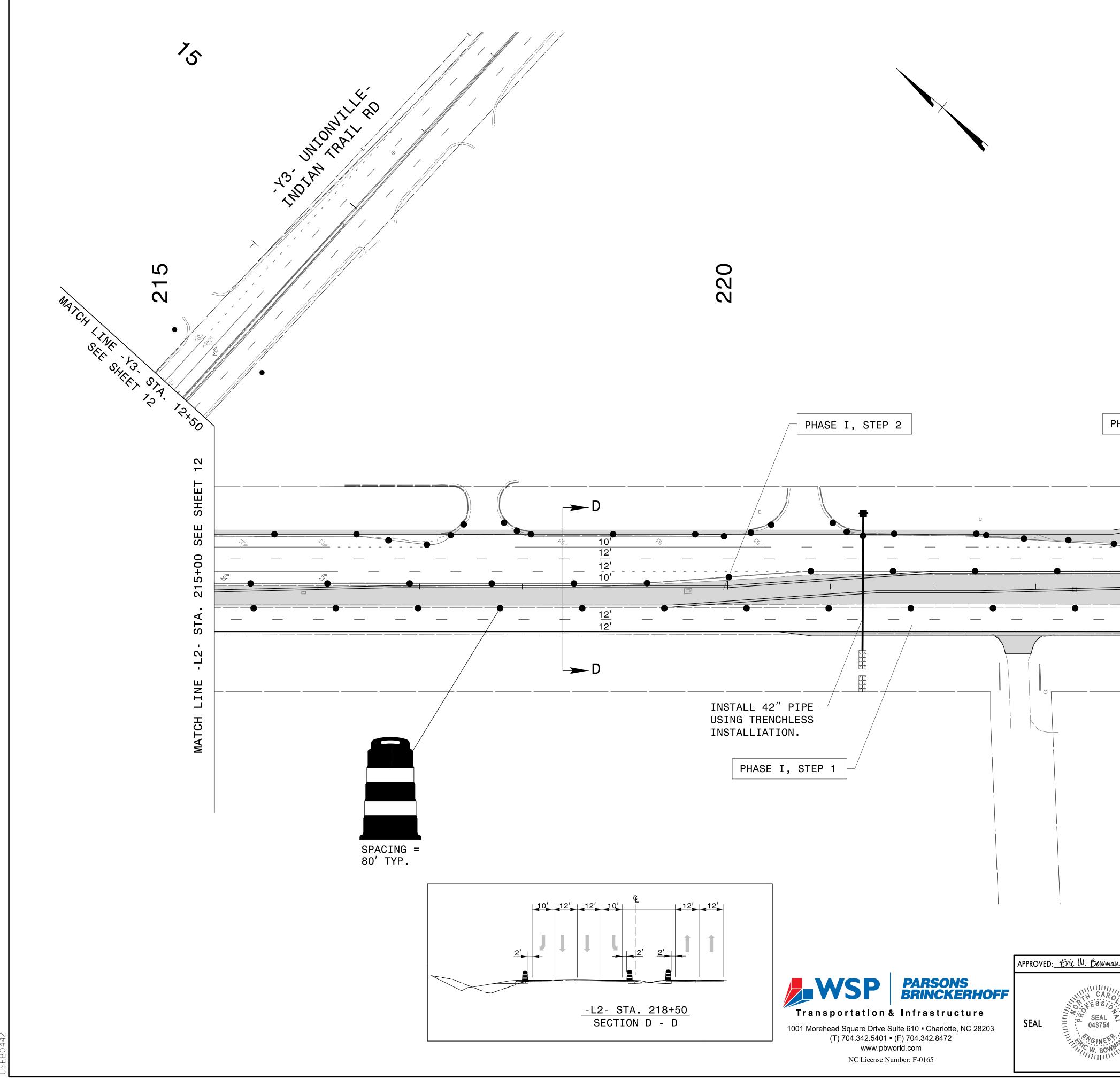
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PHASE II STEP 1, USING TEMPORARY LANE CLOS	URES (RSD	
S NEEDED PLACE TEMPORARY PAVEMENT MARKINGS	AND SIGNS (SEE	
ONS), OPEN MEDIAN DIRECTIONAL CROSS-OVER A		
RAFFIC PATTERN, AND ACTIVATE THE FINAL TR	AFFIC SIGNAL AI	
EMENT MARKINGS, AND MONOLITHI	C	
1101.02 SHEET 3 OF 15), COMPLETE CONSTRUCT		3-,
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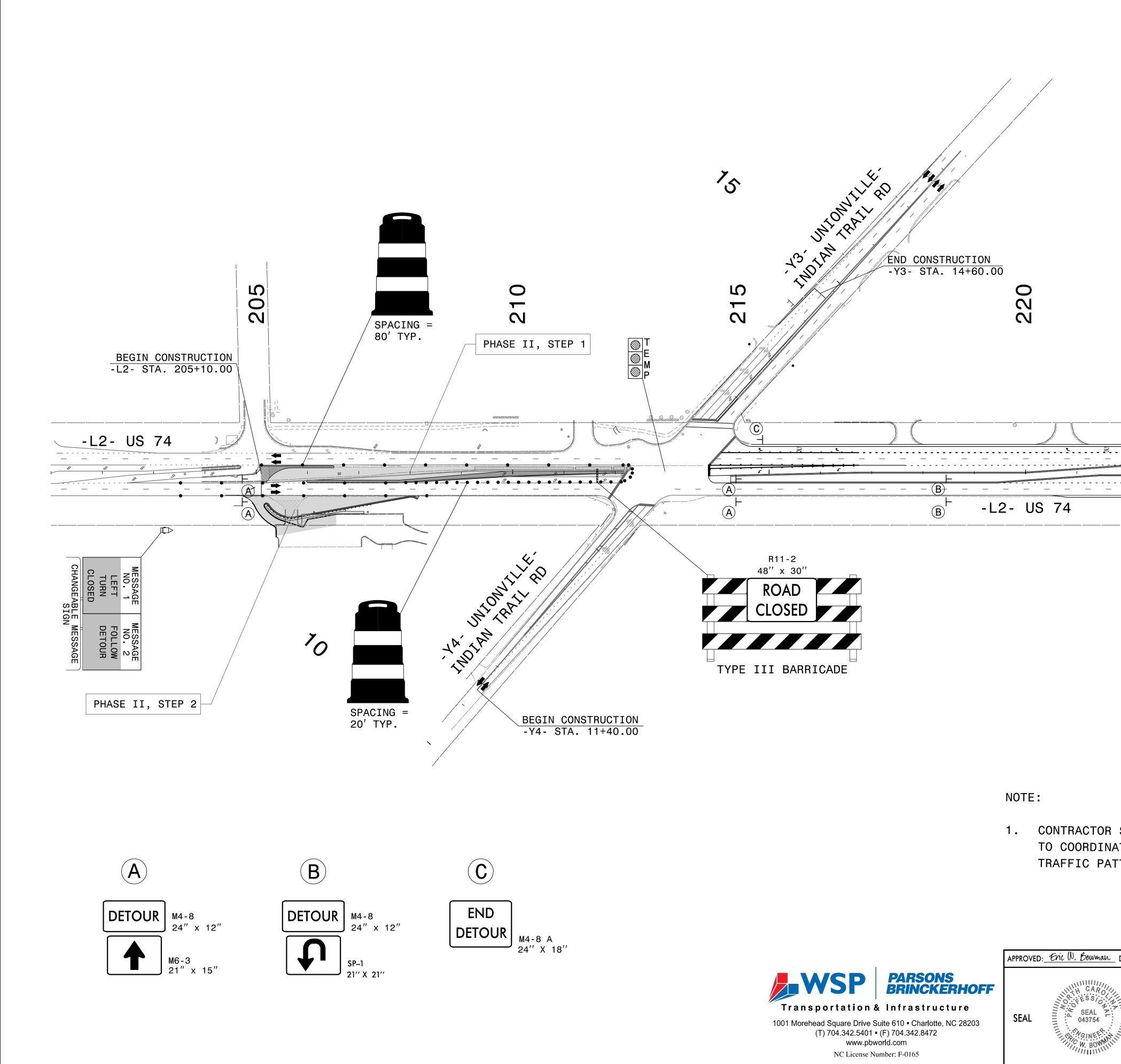




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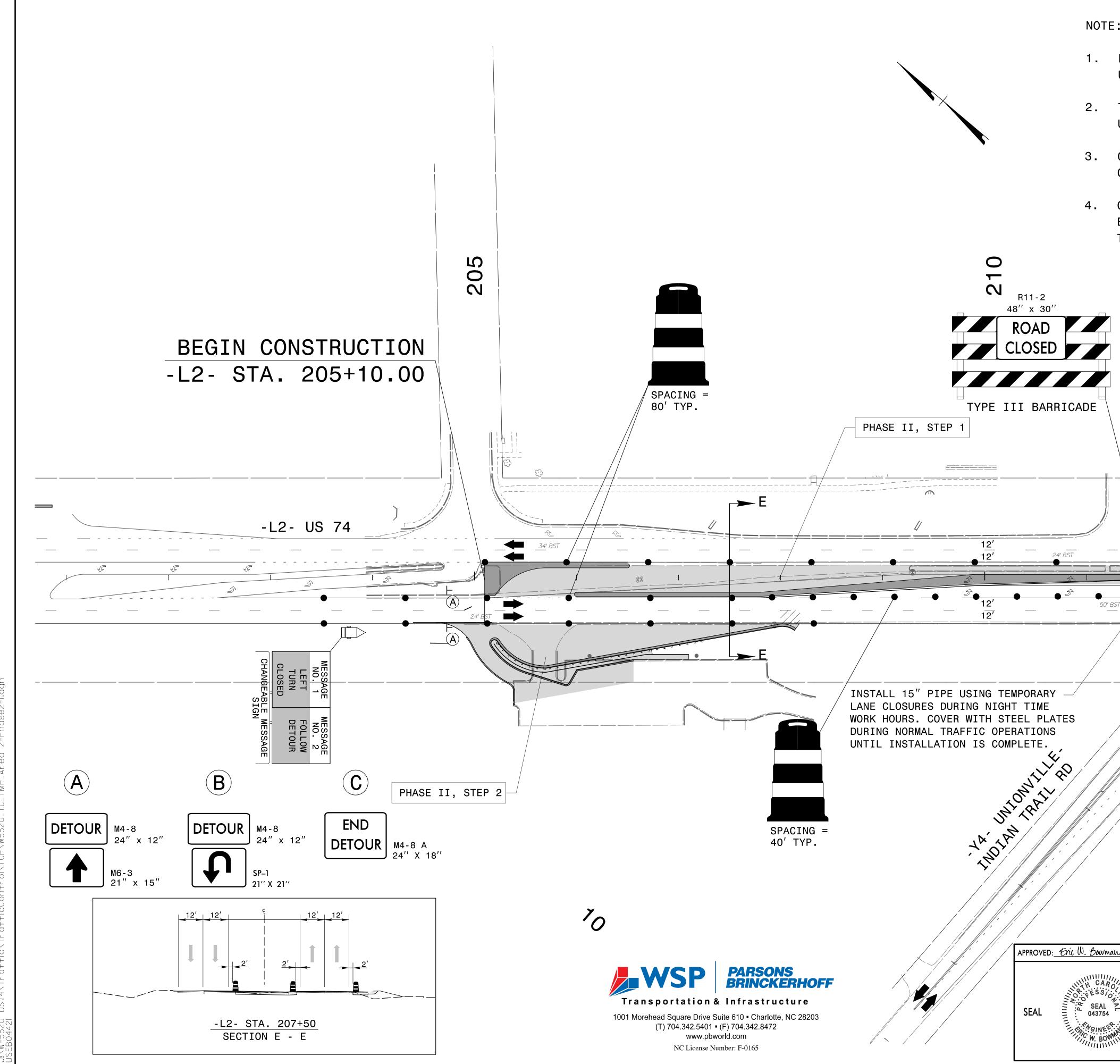
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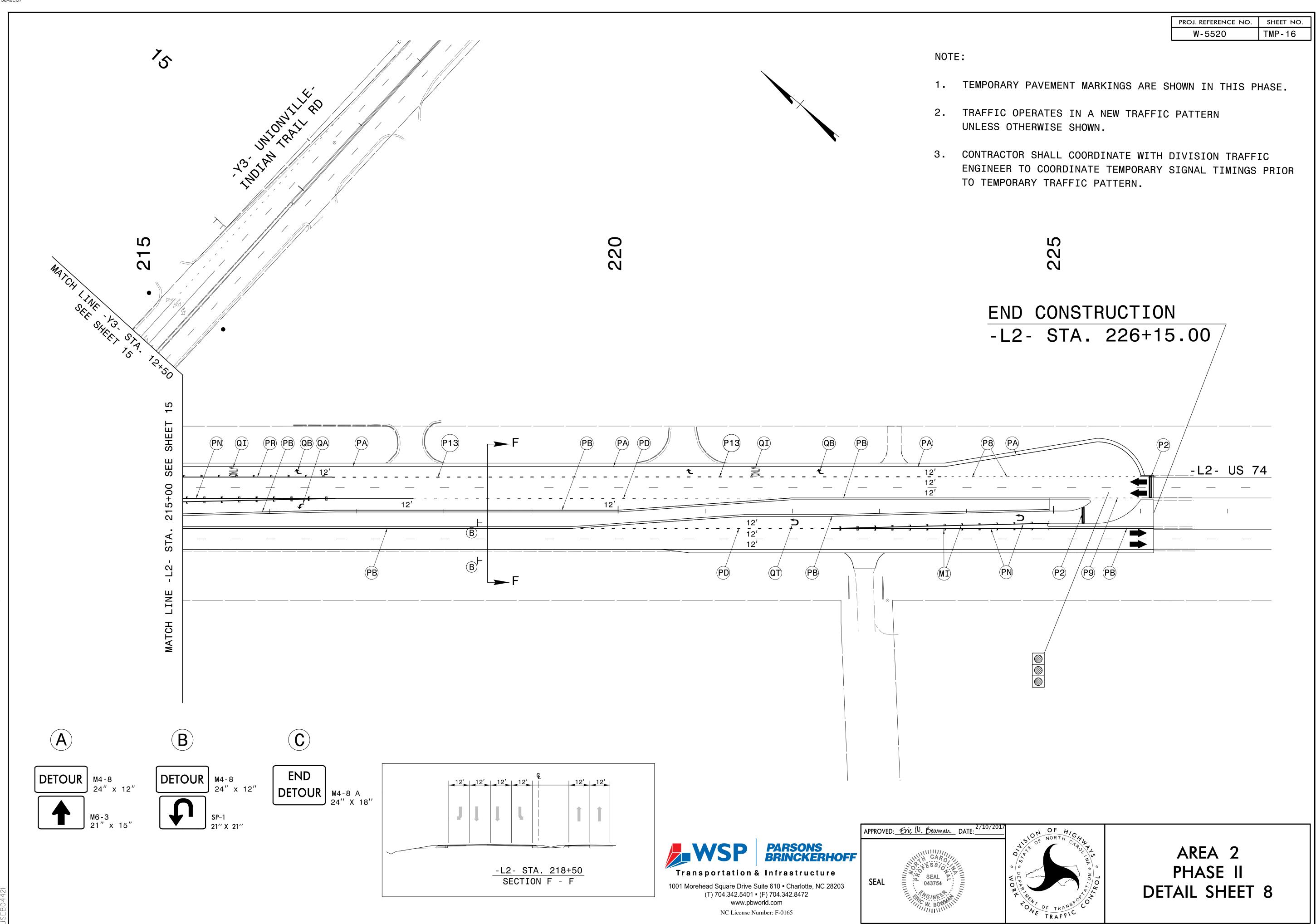
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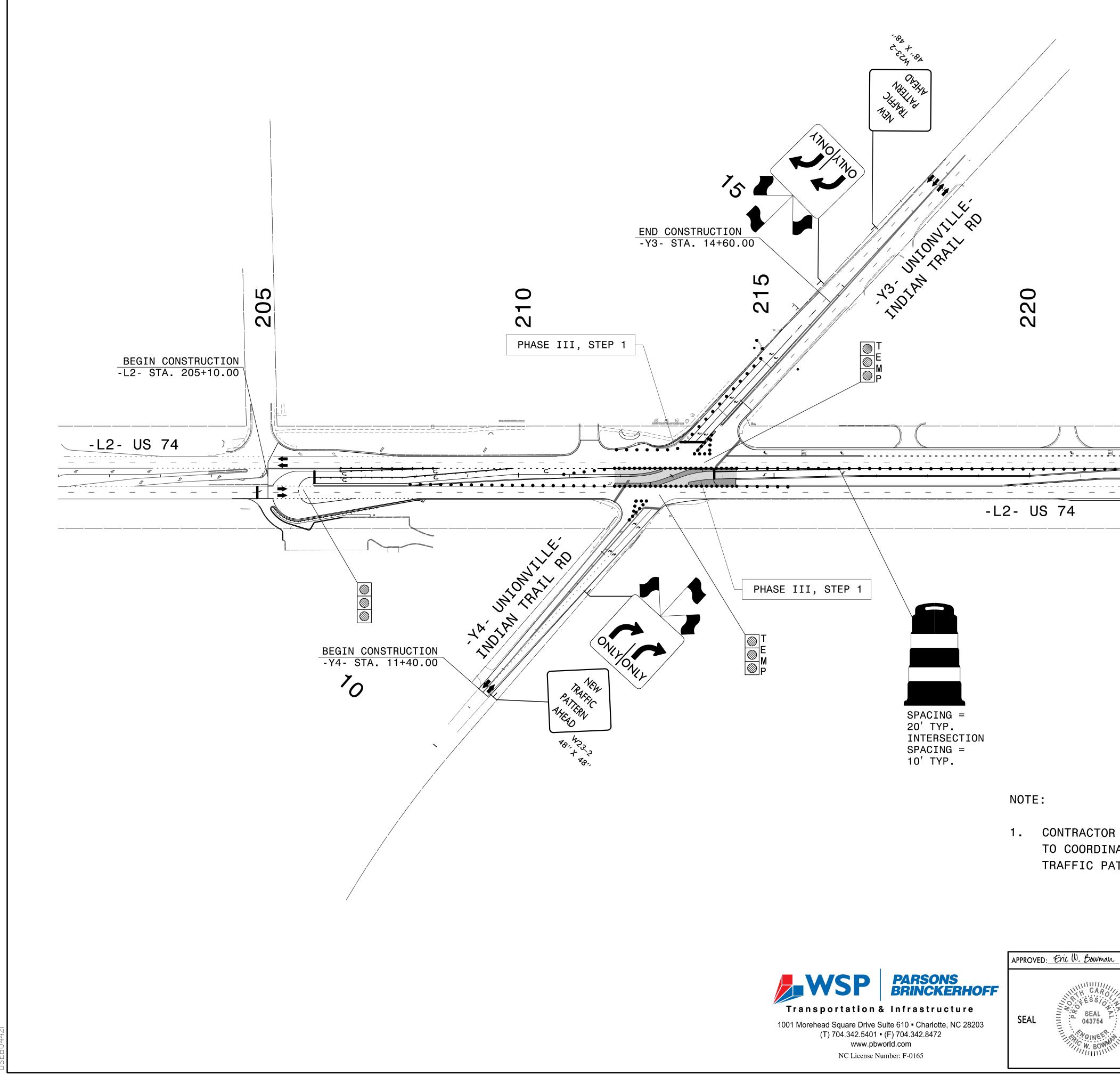


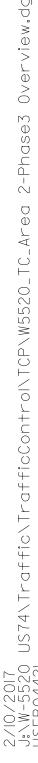
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CONTRACTOR SHALL COORDINATE WITH OF CMS BOARD.	ENGINEER FOR LOCATION
CONTRACTOR SHALL COORDINATE WITH ENGINEER TO COORDINATE TEMPORARY TO TEMPORARY TRAFFIC PATTERN.	
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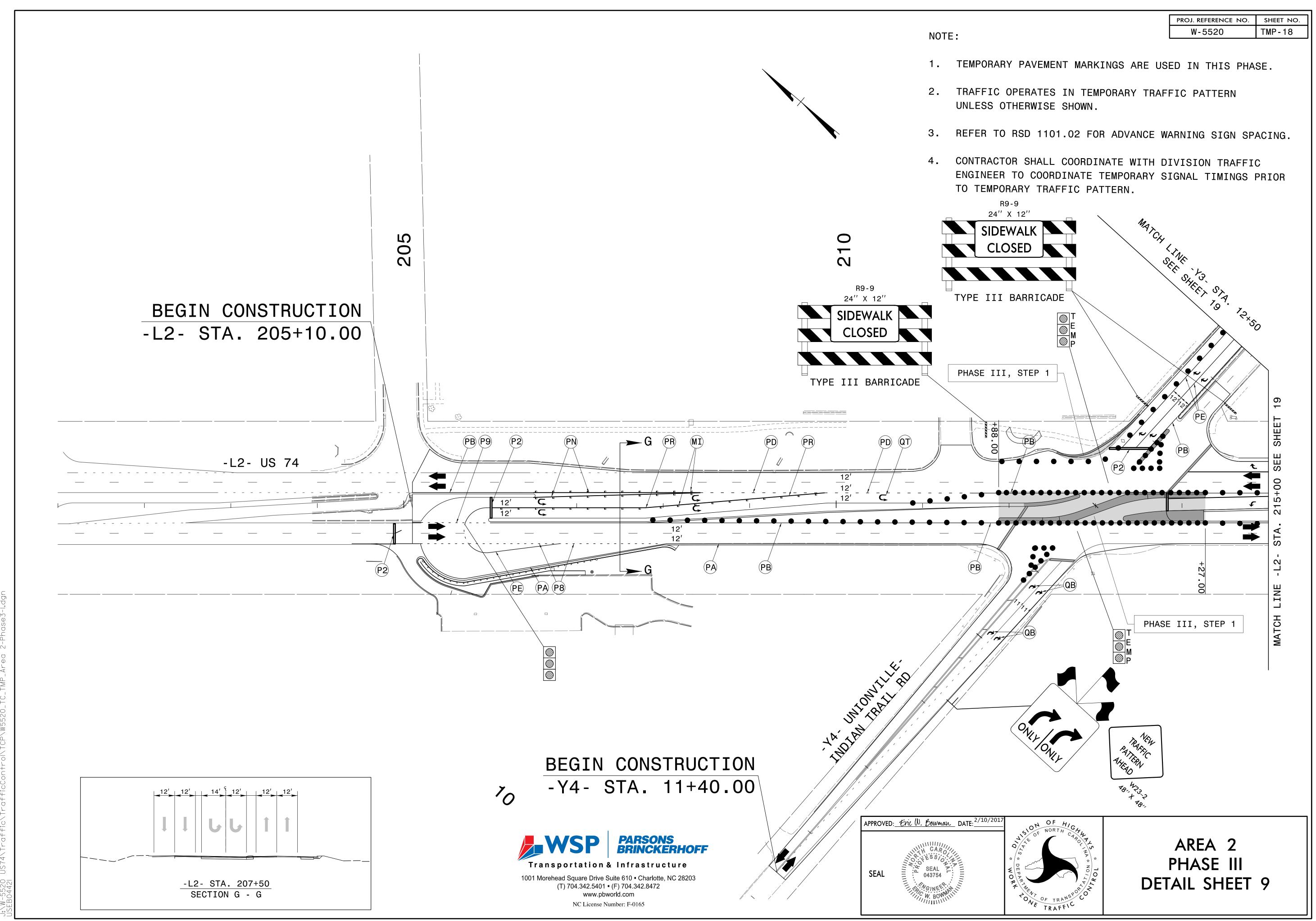


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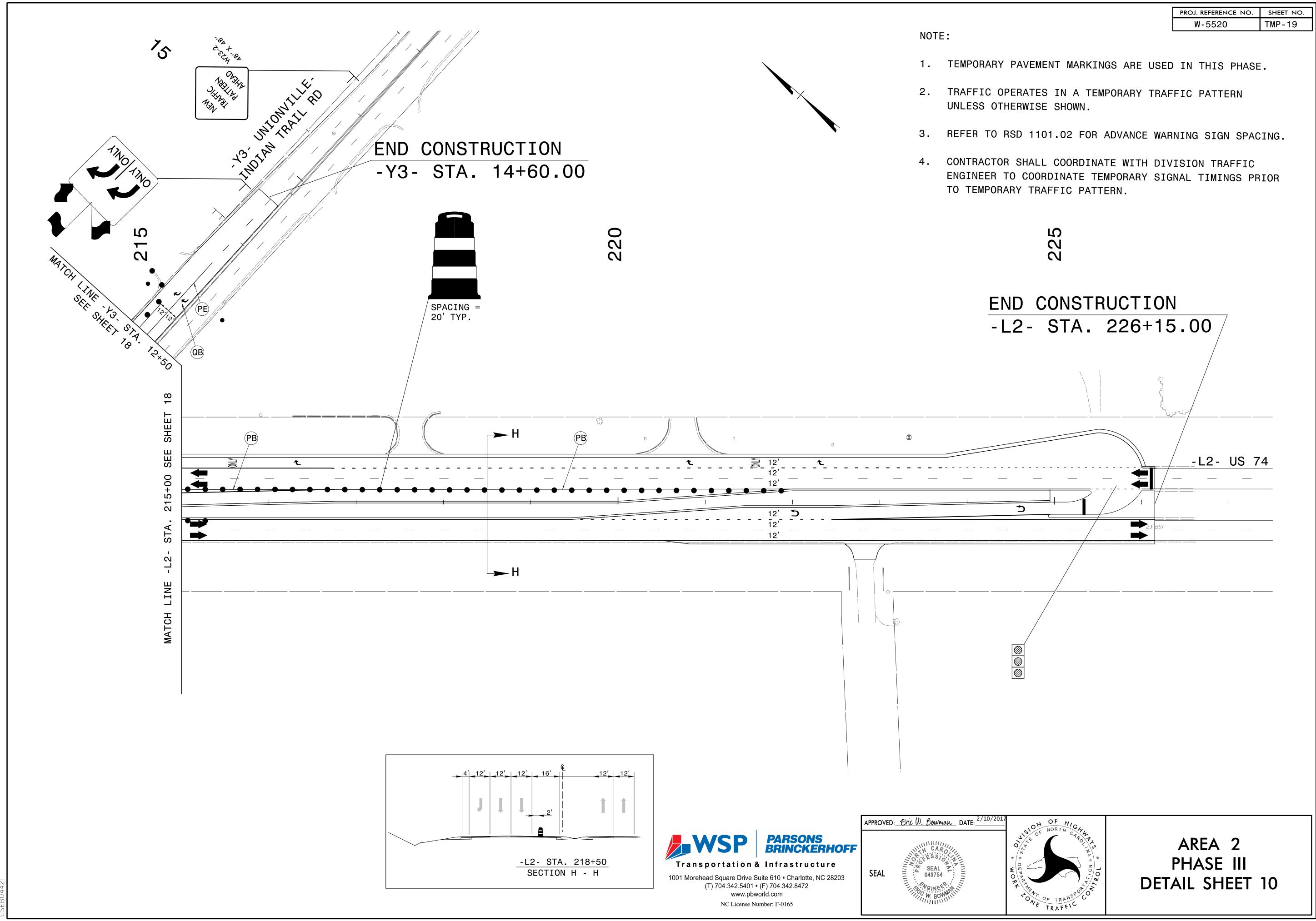




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INSTALL WORK ZONE ADVANCE WARNING SIGNS PER RSD 1101.01.

UNLESS OTHERWISE NOTED BELOW, MAINTAIN ACCESS TO ALL DRIVES AND -Y- LINES THROUGHOUT THE DURATION OF CONSTRUCTION.

CONTRACTOR SHALL WORK IN AREAS 1 THROUGH 4 CONSECUTIVELY, FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1. FOLLOW THE TIME RESTRICTIONS AND REQUIREMENTS SHOWN IN GENERAL NOTES AND AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF EACH CONSTRUCTION AREA UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS, THE SUPERSTREET INTERSECTION TRAFFIC OPERATION PATTERN SHALL BE ACTIVATED FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1.

AREA 3: EAST OF TECHNOLOGY DR. TO WEST OF FAWNBROOKE DR.

PHASE I: MEDIAN U-TURN CONSTRUCTION (TMP-21 THRU TMP-23)

STEP 1:

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AWAY FROM TRAFFIC, AND USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED INSIDE SHOULDER AND MEDIAN U-TURN LANES, INCLUDING DRAINAGE STRUCTURES, CONCRETE ISLANDS, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE AS FOLLOWS:

-L3- FROM STA 303+20+/- TO STA 314+20+/- (LT & RT SIDES)

-L3- FROM STA 315+04+/- TO STA 326+50+/- (LT & RT SIDES)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

TRAFFIC WILL BE IN ITS EXISTING PATTERN ON -L3-, -Y5- AND -Y6- AT THE END OF EACH WORK PERIOD.

STEP 2:

UPON COMPLETION OF THE WORK REQUIRED IN PHASE I STEP 1, CLOSE WESTBOUND RIGHT-TURN LANE ON -L3-FROM STA. 321+45+/- TO STA. 325+35 +/-.

AWAY FROM TRAFFIC, USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT ROAD WIDENING AND BULBOUTS FOR U-TURN MOVEMENTS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L3- FROM STA 303+34+/- TO STA 306+25+/- (RT SIDE ONLY)

-L3- FROM STA 323+45+/- TO STA 326+39+/- (LT SIDE ONLY)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN EXISTING TRAFFIC PATTERN ON -Y5, -Y6-, AND -L3- AT THE END OF EACH WORK PERIOD WITH THE PROPOSED MEDIAN U-TURN LANES AND BULBOUT LOCATIONS CLOSED TO TRAFFIC.

STEP 3:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, INSTALL PERMANENT TRAFFIC SIGNALS AND SIGNS AT MEDIAN U-TURN LOCATIONS AND THE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF -L3-, AND -Y5-/-Y6-. KEEP BOTH THE SIGNAL HEADS AND SIGNS COVERED.

INSTALL TEMPORARY PAVEMENT MARKINGS NECESSARY FOR THE SIGNALIZED MEDIAN U-TURN OPERATIONS. MEDIAN U-TURN LANES AND BULBOUT LOCATIONS SHALL REMAIN CLOSED TO TRAFFIC.

M-55

AREA 3 TRAFFIC CONTROL PHASING

ICT: COMPLETE THE WORK REQUIRED IN PHASE FOLLOWING SATURDAY, SEE INTERMEDIATE

STEP 4:

USING TEMPORARY LANE CLOSURES (RSD 1101 PERMANENT TRAFFIC SIGNALS AT THE MEDIAN BULBOUTS TO TRAFFIC.

INSTALL CLOSELY SPACED DRUMS ALONG THE FROM STA 312+73+/- TO STA 316+02+/- (L ON -L3- AT ITS INTERSECTION WITH -Y5- & 74 LEFT-TURN TRAFFIC AND -Y5- , -Y6- TRA

OBLITERATE EXISTING CONFLICTING PAVEMEN MARKINGS AND SYMBOLS (SEE SHEET TMP-25

-Y5- FROM TIE IN AT -L3- TO STA 12+80+/

-Y6- FROM TIE IN AT -L3- TO STA 10+00+/

-L3- FROM STA 303+20+/- TO STA 314+20+/

-L3- FROM STA 315+04+/- TO STA 326+50+/

PHASE II: INTERSECTION SUPERSTREE (TMP-24 THRU TMP-26)

ICT: COMPLETE THE WORK REQUIRED IN PHASE II STEPS 1 AND 2 IN FORTY-FIVE (45) CONSECUTIVE CALANDER DAYS, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1:

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT MEDIAN DIRECTIONAL CROSS-OVER INCLUDING DRAINAGE AND MONOLITHIC CONCRETE ISLAND UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L3- FROM STA 312+73+/- TO STA 316+02+/- (LT & RT SIDE)

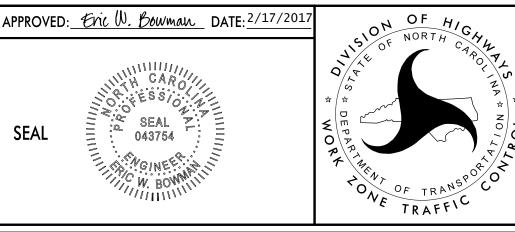
INSTALL PERMANENT TRAFFIC SIGNAL AND SIGNS AT THE INTERSECTION OF -L3- AND -Y5- /-Y6-. KEEP THE NEW SIGNAL HEADS AND SIGNS COVERED.

TRAFFIC SHALL REMAIN IN ITS TEMPORARY TRAFFIC PATTERN ON -L3-, -Y5-, AND -Y6-.



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E CONTRACT TIME AND LIQUIDATED DAMAGES.		
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N U-TURN LOCATIONS, AND OPEN THE MEDIAN U	-	
INSIDE EDGE OF TRAVELED WAY (BOTH DIRECT _T & RT SIDE) TO CLOSE MEDIAN CROSSOVER		
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NT MARKINGS AND SYMBOLS AND PLACE TEMPORA	RY PAVEMENT	
& TMP-26):		
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ET CROSS-OVER CONSTRUCTION		



AREA 3: EAST OF TECHNOLOGY DR. TO WEST OF FAWNBROOKE DR.(CONTINUED)

PHASE II: (CONTINUED)

ICT: COMPLETE THE WORK REQUIRED IN PHASE II STEP 2 FROM 9:00 P.M. ON A FRIDAY TO 6:00 A.M. THE FOLLOWING SATURDAY, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATION DAMAGES.

STEP 2:

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UPON COMPLETION OF THE WORK REQUIRED IN PHASE II STEP 1, USING TEMPORARY LANE CLOSURES (RSD 1101.02), FLAGGERS AND LAW ENFORCEMENT AS NEEDED PLACE TEMPORARY PAVEMENT MARKINGS AND SIGNS (SEE FINAL PAVEMENT MARKING PLANS FOR DIMENSIONS), OPEN MEDIAN DIRECTIONAL CROSS-OVER AND PLACE -L3-, -Y5-, AND -Y6- TRAFFIC IN ITS PERMANENT TRAFFIC PATTERN, AND ACTIVATE THE FINAL TRAFFIC SIGNAL AT THE INTERSECTION OF -L3-, -Y5-, AND -Y6-.

PHASE III: WEDGING, TEMPORARY PAVEMENT MARKINGS, AND MONOLITHIC CONCRETE ISLAND ON -Y5-

STEP 1:

USING ALTERNATING LANE CLOSURES (RSD. 1101.02 SHEET 3 OF 15), COMPLETE CONSTRUCTION OF -L4-, -Y7-, AND -Y8- INCLUDING WEDGING AND MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED) ON -Y7- AND -Y8-. INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY MARKERS AND THEN SHIFT TRAFFIC INTO FINAL PATTERN. FINAL LAYER OF SURFACE COURSE AND PERMENANT PAVEMENT MARKINGS AND MARKINGS WILL BE COMPLETED ONCE ALL OTHER AREAS ARE CONSTRUCTED.

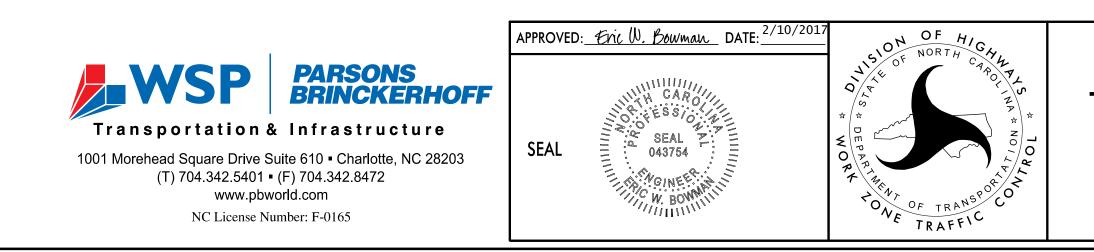
-L4- FROM STA 401+20+/- TO STA 429+40+/-

-Y7- FROM TIE IN AT L4- TO STA 13+40+/-

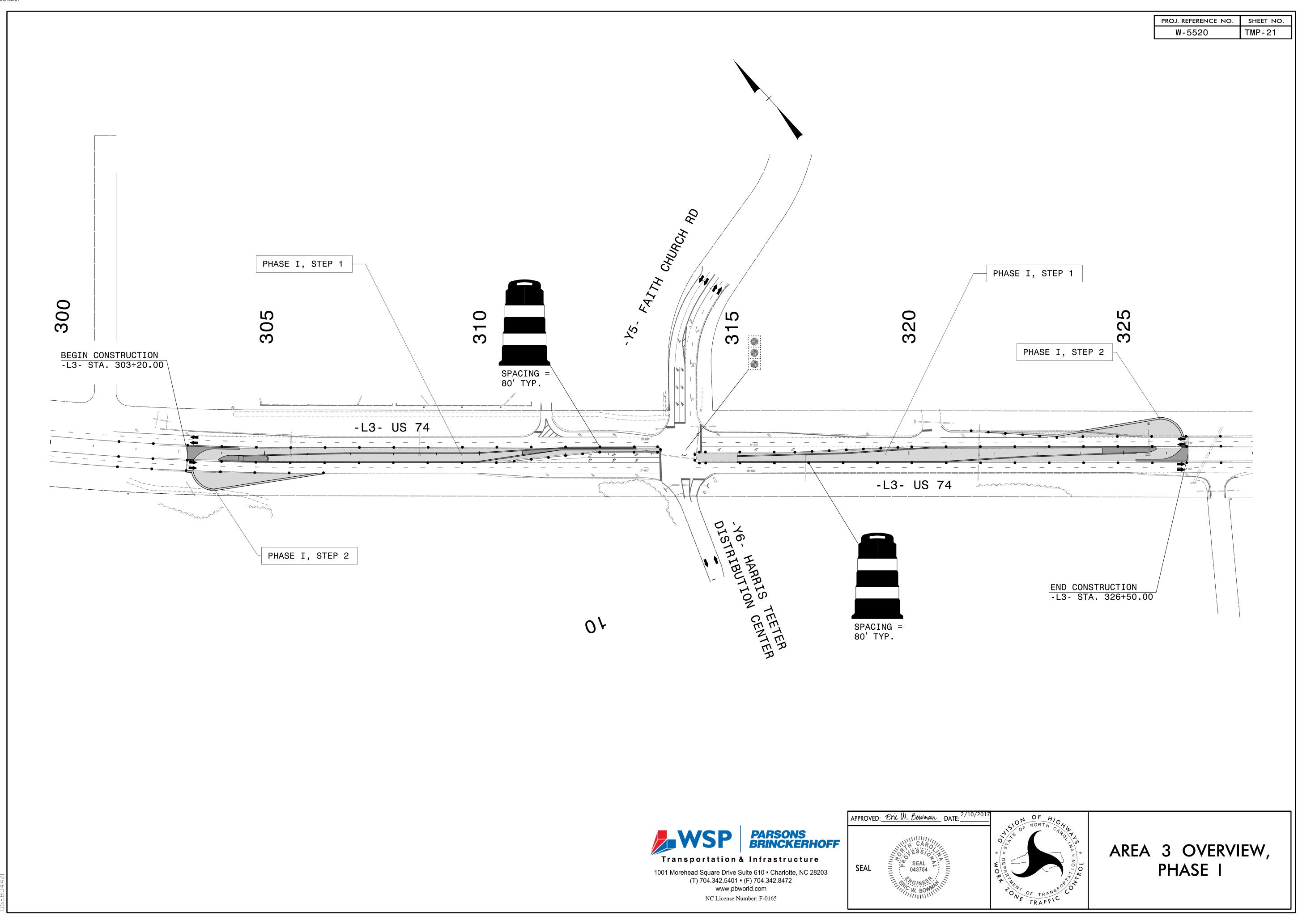
-Y8- FROM TIE IN AT L4- TO STA 13+20+/-

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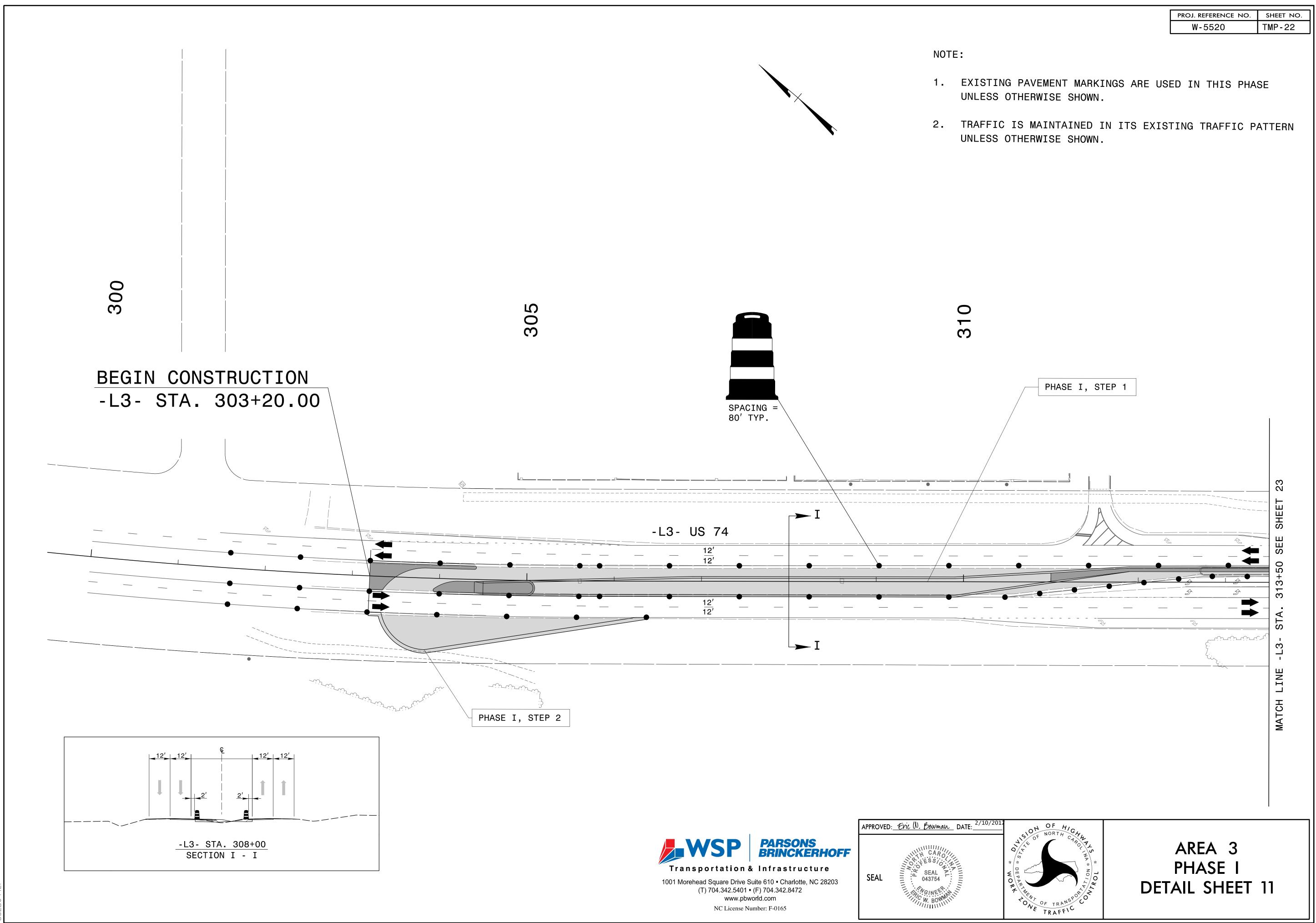
AREA 3 TRAFFIC CONTROL PHASING



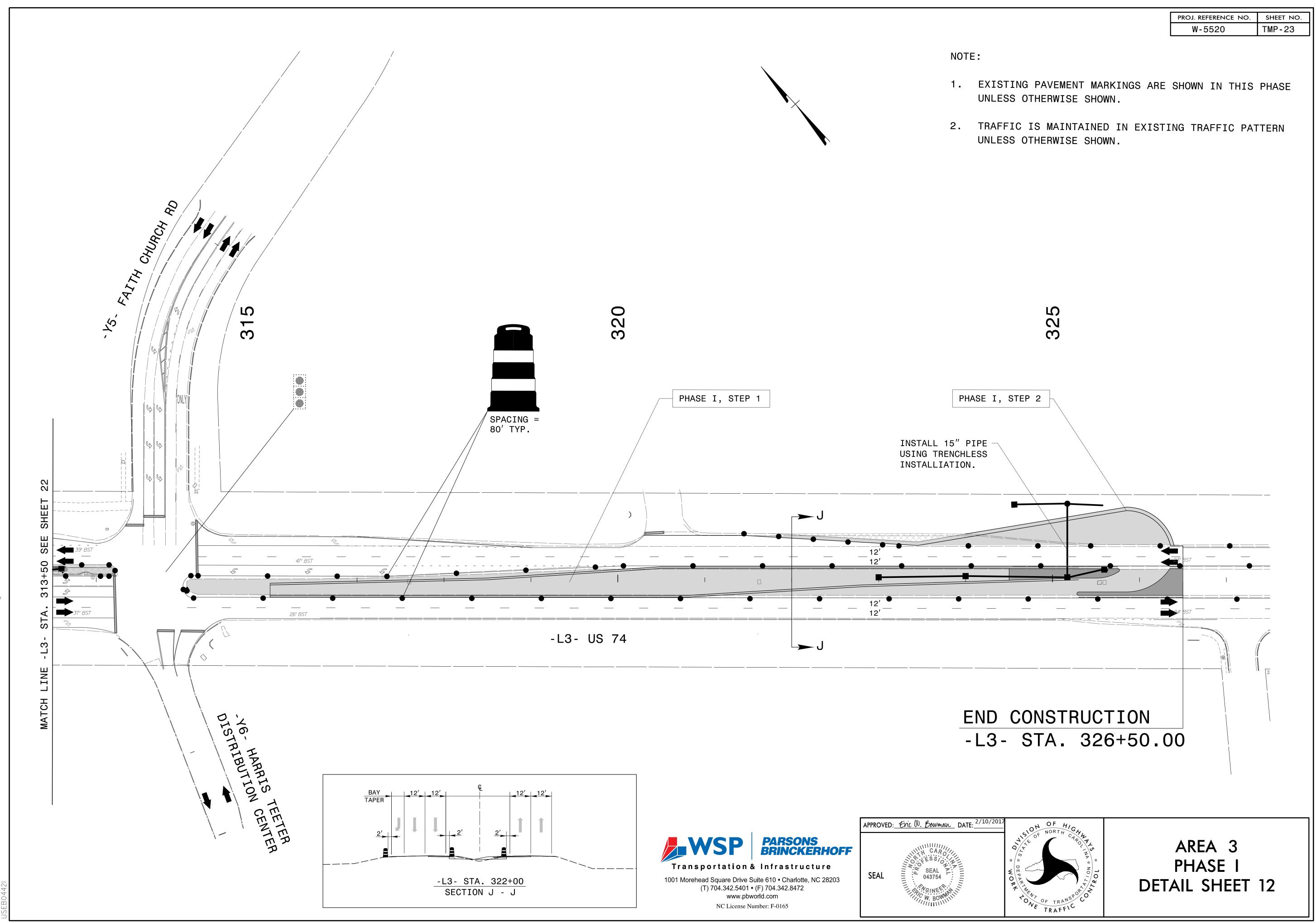
W-5520 TMP-20		SHEET NO
	W-5520	TMP-20/



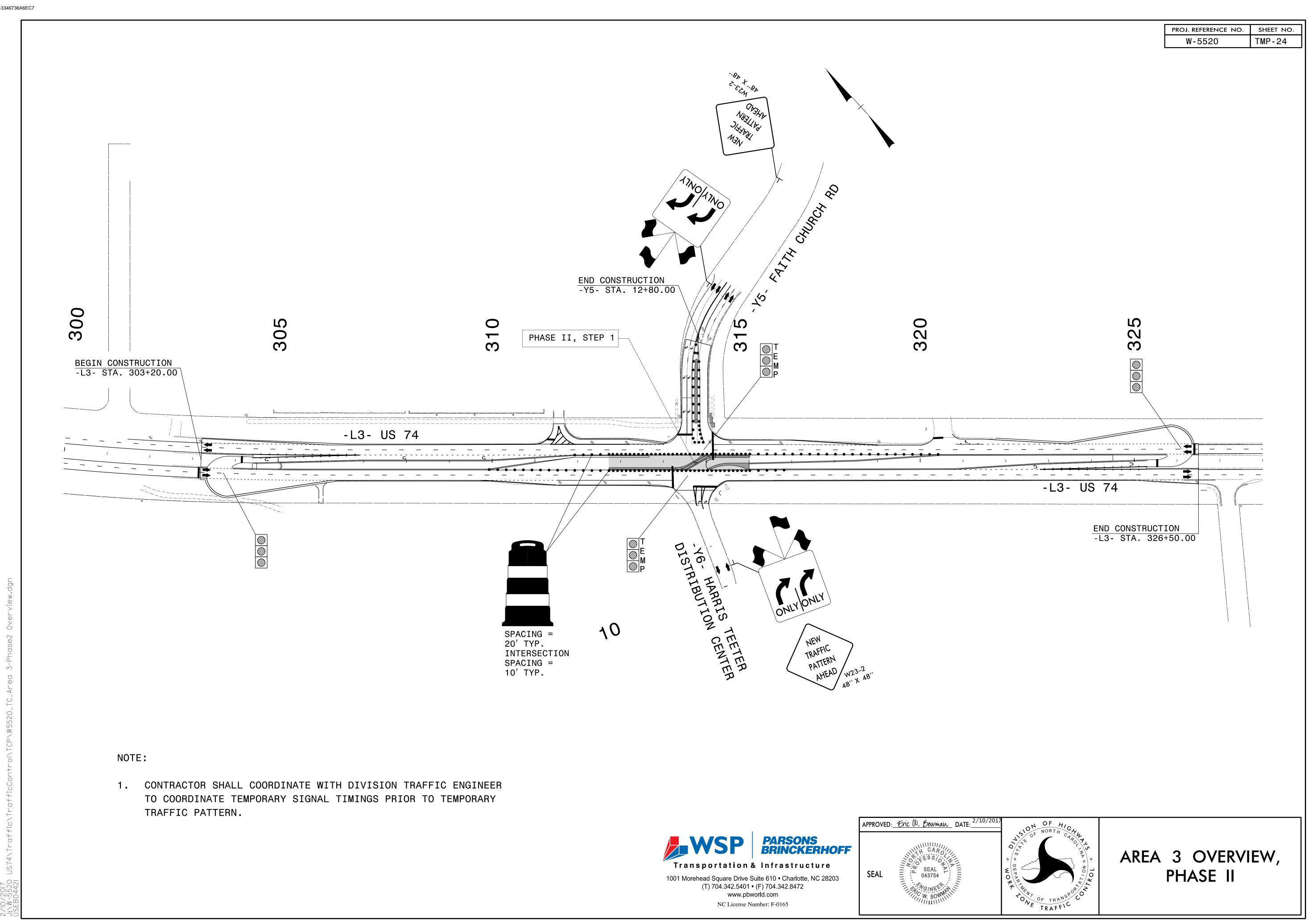
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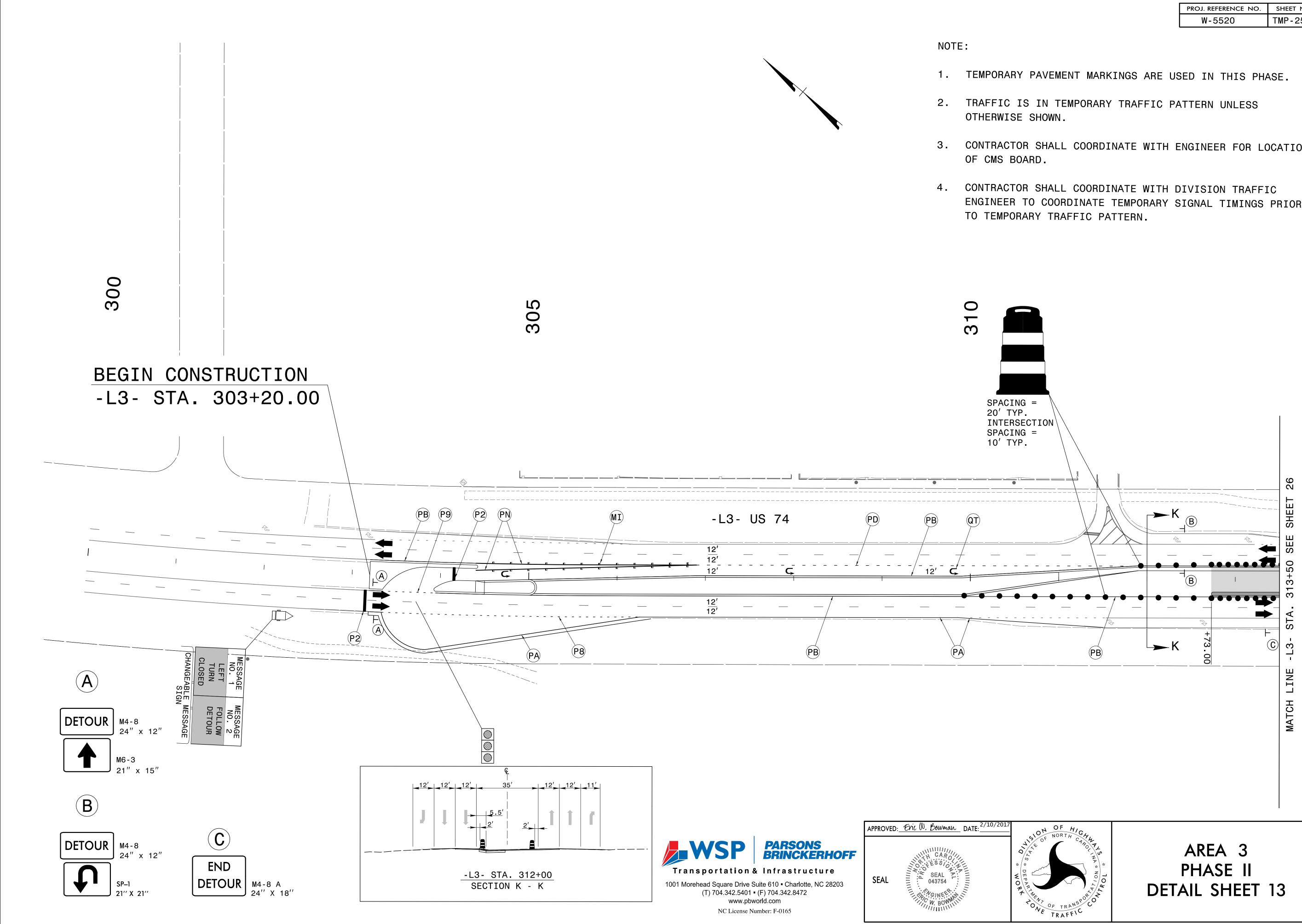




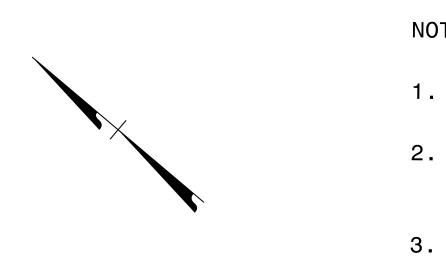


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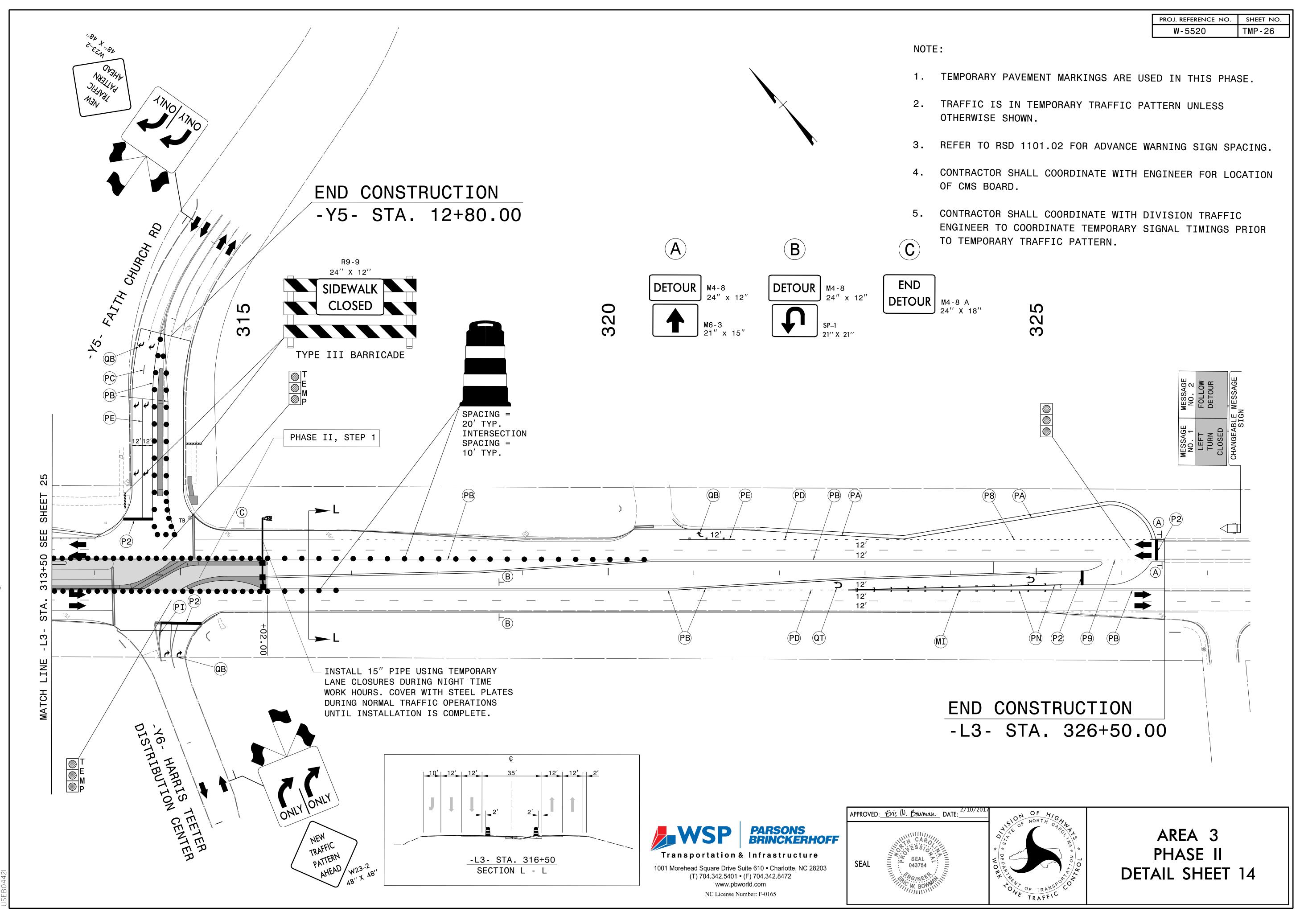




W-5520



		PROJ. REFERENCE NO.	SHEET NO.
		W-5520	TMP-25
TE:			
TEMPOR	ARY PAVEMENT MARKINGS ARE US	SED IN THIS PHA	ASE.
	C IS IN TEMPORARY TRAFFIC PA /ISE SHOWN.	ATTERN UNLESS	
	CTOR SHALL COORDINATE WITH E BOARD.	NGINEER FOR LO	CATION
ENGINE	CTOR SHALL COORDINATE WITH D ER TO COORDINATE TEMPORARY S PORARY TRAFFIC PATTERN.		
	ACING =		
INT SPA	TYP. TERSECTION CING = TYP.		



W-5520 US74\Traffic\TrafficContro|\TCP\W5520_TC_TMP_Area 3-Phase2-2.

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	INSTALL WORK ZONE ADVANCE WARNING SIGNS PER RSD 1101.01.
	UNLESS OTHERWISE NOTED BELOW, MAINTAIN ACCESS TO ALL DRIVES AND -Y- LINOF CONSTRUCTION.
	CONTRACTOR SHALL WORK IN AREAS 1 THROUGH 4 CONSECUTIVELY, FROM EAST TO 4, AREA 3, AREA 2, AND LASTLY AREA 1. FOLLOW THE TIME RESTRICTIONS AND GENERAL NOTES AND AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF EACH NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARF INTERSECTION TRAFFIC OPERATION PATTERN SHALL BE ACTIVATED FROM EAST TO 4, AREA 3, AREA 2, AND LASTLY AREA 1.
	AREA 4: EAST OF FAWNBROOKE DR. TO EASTERN
	PHASE I: MEDIAN U-TURN CONSTRUCTION (TMP-28 THRU 1
	STEP 1:
	USING TEMPORARY LANE CLOSURES (RSD 1101.02), CLOSE EASTBOUND U-T LANE AT -L4- STA 405+00+/- AND MAINTAIN TRAFFIC ALONG -L4- (US 7
	NOTE: STEP 2 AND STEP 3 MAY BE PERFORMED SIMULTANEOUSLY.
	STEP 2:
	AWAY FROM TRAFFIC, AND USING TEMPORARY LANE CLOSURES (RSD 1101.0 CONSTRUCT PROPOSED MEDIAN WIDENING, INCLUDING DRAINAGE STRUCTURE INCLUDING THE FINAL LAYER OF SURFACE AS FOLLOWS:
	-L4- FROM STA 401+20+/- TO STA 408+40+/- (LT & RT SIDES)
	CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EX CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEM
	TRAFFIC WILL BE IN ITS EXISTING TRAFFIC PATTERN ALONG -L4- WITH THE END OF EACH WORK PERIOD.
	STEP 3:
	USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEED BARRIER (PCB) TO CLOSE THE INSIDE SHOULDERS ALONG -L4- IN THE VI AT STA 427+82 (SEE TMP-27).
-03.dgn	AWAY FROM TRAFFIC, BEHIND PORTABLE CONCRETE BARRIERS AND USING T 1101.02) AND FLAGGERS, AND SHORING AS NEEDED, CONSTRUCT PROPOSED LANES, INCLUDING DRAINAGE STRUCTURES, CONCRETE ISLANDS, UP TO BU SURFACE AS FOLLOWS:
TC_PSH	-L4- FROM STA 408+40+/- TO STA 418+18+/- (LT & RT SIDES)
	-L4- FROM STA 419+25+/- TO STA 429+40+/- (LT & RT SIDES)
TCP\W5	CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EX CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEM
ficControl	TRAFFIC WILL BE IN ITS EXISTING PATTERN ON -Y7-/-Y8- AND ITS EXI WITH THE MEDIAN CLOSED TO TRAFFIC AT THE END OF EACH WORK PERIOD
r afficient of the second seco	STEP 4:
Traffic\Tr	INSTALL TEMPORARY PAVEMENT MARKINGS AND OPEN THE DIRECTIONAL MED
US74^-	

10/2017 W-5520

REA 4 TRAFFIC CONTROL PHASING

NES THROUGHOUT THE DURATION

WEST IN THE SEQUENCE OF AREA REQUIREMENTS SHOWN IN CONSTRUCTION AREA UP TO BUT KINGS, THE SUPERSTREET WEST IN THE SEQUENCE OF AREA

N PROJECT LIMIT

TMP-30)

TURN LANE AND WESTBOUND LEFT-TURN 74) IN ITS EXISTING TRAFFIC PATTERN.

D2) AND FLAGGERS AS NEEDED, ES, CONCRETE ISLANDS, UP TO BUT NOT

(ISTING PAVEMENT AND APPROPRIATE MENT MARKINGS WHERE REQUIRED.

THE MEDIAN CLOSED TO TRAFFIC AT

DED, INSTALL PORTABLE CONCRETE ICINITY OF THE PROPOSED JUNCTION BOX

TEMPORARY LANE CLOSURES (RSD INSIDE SHOULDER AND MEDIAN U-TURN JT NOT INCLUDING THE FINAL LAYER OF

(ISTING PAVEMENT AND APPROPRIATE MENT MARKINGS WHERE REQUIRED.

ISTING TRAFFIC PATTERN ALONG -L4-

DIAN CROSSOVER TO TRAFFIC.

STEP 5:

CLOSE THE DRIVEWAY ENTRANCE ON EASTBO USING TEMPORARY LANE CLOSURES (RSD 11 BULBOUTS FOR U-TURN MOVEMENTS UP TO BU

-L4- FROM STA 408+57+/- TO STA 410+80

-L4- FROM STA 426+28+/- TO STA 429+40

CONSTRUCT WEDGING AS NEEDED TO PROVID CROSS SLOPES TO ENSURE POSITIVE DRAIN

MAINTAIN THE EXISTING TRAFFIC PATTERN LOCATIONS CLOSED AT THE END OF EACH W PATTERN.

STEP 6:

USING TEMPORARY LANE CLOSURES (RSD 11 SIGNALS AND SIGNS AT MEDIAN U-TURN LO OF -L4-, AND -Y7-/-Y8-. KEEP BOTH THE

INSTALL TEMPORARY PAVEMENT MARKINGS N U-TURN LANES AND BULBOUT LOCATIONS SH

ICT: COMPLETE THE WORK REQUIRED IN PHAS FOLLOWING SATURDAY, SEE INTERMEDIA

STEP 7:

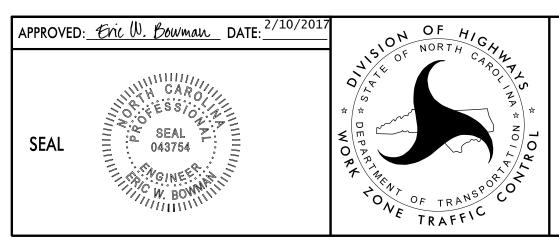
USING TEMPORARY LANE CLOSURES (RSD 11 PERMANENT TRAFFIC SIGNALS AT THE MEDI BULBOUTS TO TRAFFIC.

INSTALL CLOSELY SPACED DRUMS ALONG THE INSIDE EDGE OF TRAVELED WAY (BOTH DIRECTIONS) FROM -L4-FROM STA 417+25+/- TO STA 420+52+/- (LT & RT SIDE) TO CLOSE MEDIAN CROSSOVER AND LEFT-TURN LANES ON -L4- AT ITS INTERSECTION WITH -Y7- & -Y8-, AND ACTIVATE THE TEMPORARY TRAFFIC SIGNAL. SHIFT US 74 LEFT-TURN TRAFFIC AND -Y7- , -Y8- TRAFFIC IN A TEMPORARY TRAFFIC PATTERN USING MEDIAN U-TURNS:

OBLITERATE EXISTING CONFLICTING PAVEMENT MARKINGS AND SYMBOLS AND PLACE TEMPORARY PAVEMENT MARKINGS AND SYMBOLS (SEE SHEET TMP-32 & TMP-33):

- -Y7- FROM TIE IN AT L4- TO STA 13+40+/-
- -Y8- FROM TIE IN AT L4- TO STA 13+20+/-
- -L4- FROM STA 401+20+/- TO STA 418+18+/-
- -L4- FROM STA 419+25+/- TO STA 429+40+/-





	PROJ. REFERENCE NO.	SHEET NO.
	W-5520	TMP-27
OUND US 74 NEAR STAL4- 408+90 +/ AWA 01.02) AND FLAGGERS AS NEEDED, CONSTRUCT BUT NOT INCLUDING THE FINAL LAYER OF SURFA	ROAD WIDENING AN	ND
+/- (RT SIDE ONLY)		
)+/- (LT SIDE ONLY)		
DE A SMOOTH TRANSITION TO EXISTING PAVEMEN NAGE. REPLACE EXISTING PAVEMENT MARKINGS V		ГЕ
I ALONG -L4- WITH PROPOSED MEDIAN U-TURN L ORK PERIOD. TRAFFIC ON -Y7-/-Y8- WILL REN		
01.02) AND FLAGGERS AS NEEDED, INSTALL PE CATIONS AND THE TEMPORARY TRAFFIC SIGNAL SIGNAL HEADS AND SIGNS COVERED.		FION
ECESSARY FOR THE SIGNALIZED MEDIAN U-TURN ALL REMAIN CLOSED TO TRAFFIC.	N OPERATIONS. ME	DIAN
SE I STEP 7 FROM 9:00 P.M. ON A FRIDAY TO ATE CONTRACT TIME AND LIQUIDATED DAMAGES.	6:00 A.M. THE	
01.02), FLAGGERS, AND LAW ENFORCEMENT AS AN U-TURN LOCATIONS, AND OPEN THE MEDIAN	-	

02/09/17

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	A
	AREA 4: EAST OF FAWNBROOKE DR. TO EASTEN (CONTINUED)
	PHASE II: INTERSECTION SUPERSTREET CROSS-OVER CO
	ICT: COMPLETE THE WORK REQUIRED IN PHASE II STEPS 1 AND 2 IN FOR CALANDER DAYS, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDAT
	STEP_1:
	USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NE CROSS-OVER INCLUDING DRAINAGE AND MONOLITHIC CONCRETE ISLAND U LAYER OF SURFACE COURSE AS FOLLOWS:
	-L4- FROM STA 417+25+/- TO STA 420+02+/- (LT & RT SIDE)
	INSTALL PERMANENT TRAFFIC SIGNAL AND SIGNS AT THE INTERSECTION SIGNAL HEADS AND SIGNS COVERED.
	TRAFFIC SHALL REMAIN IN ITS TEMPORARY TRAFFIC PATTERN ON -L4-,
	ICT: COMPLETE THE WORK REQUIRED IN PHASE II STEP 2 FROM 9:00 P.M FOLLOWING SATURDAY, SEE INTERMEDIATE CONTRACT TIME AND LIQU
	STEP 2:
	UPON COMPLETION OF THE WORK REQUIRED IN PHASE II STEP 1, USING 1101.02), FLAGGERS AND LAW ENFORCEMENT AS NEEDED PLACE TEMPORA FINAL PAVEMENT MARKING PLANS FOR DIMENSIONS), OPEN MEDIAN DIRE -Y7-, AND -Y8- TRAFFIC IN ITS PERMANENT TRAFFIC PATTERN, AND A THE INTERSECTION OF -L4-, -Y7-, AND -Y8
	PHASE III: WEDGING, TEMPORARY PAVEMENT MARKIN CONCRETE ISLAND ON -Y7- AND -Y8-
	STEP 1:
-03.dgn	USING ALTERNATING LANE CLOSURES (RSD. 1101.02 SHEET 3 OF 15), -Y7-, AND -Y8- INCLUDING WEDGING AND MONOLITHIC CONCRETE ISLAN -Y8 INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY MARKER FINAL PATTERN. FINAL LAYER OF SURFACE COURSE AND PERMENANT PAV BE COMPLETED ONCE ALL OTHER AREAS ARE CONSTRUCTED.
T C_PSH.	-L4- FROM STA 401+20+/- TO STA 429+40+/-
	-Y7- FROM TIE IN AT L4- TO STA 13+40+/-
afficcontrol\TCP\W5520	-Y8- FROM TIE IN AT L4- TO STA 13+20+/-
4\Traffic\Traf	
2	

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AREA 4 TRAFFIC CONTROL PHASING

ERN PROJECT LIMITS

NSTRUCTION (TMP-31 THRU TMP-33)

ORTY-FIVE (45) CONSECUTIVE ATED DAMAGES.

EEDED, CONSTRUCT MEDIAN DIRECTIONAL UP TO BUT NOT INCLUDING THE FINAL

OF -L4- AND -Y7- /-Y8-. KEEP THE NEW

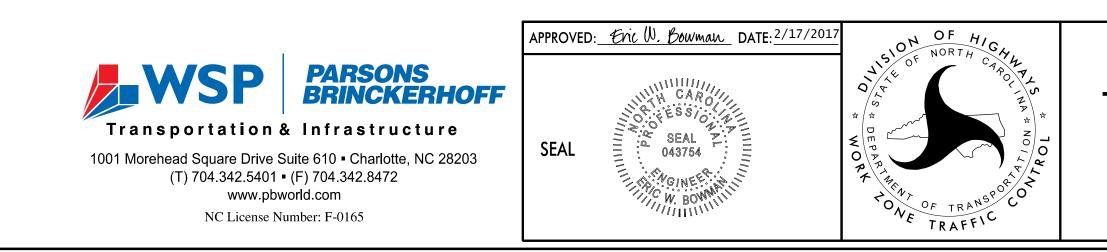
-Y7-, AND -Y8-.

.M. ON A FRIDAY TO 6:00 A.M. THE UIDATED DAMAGES.

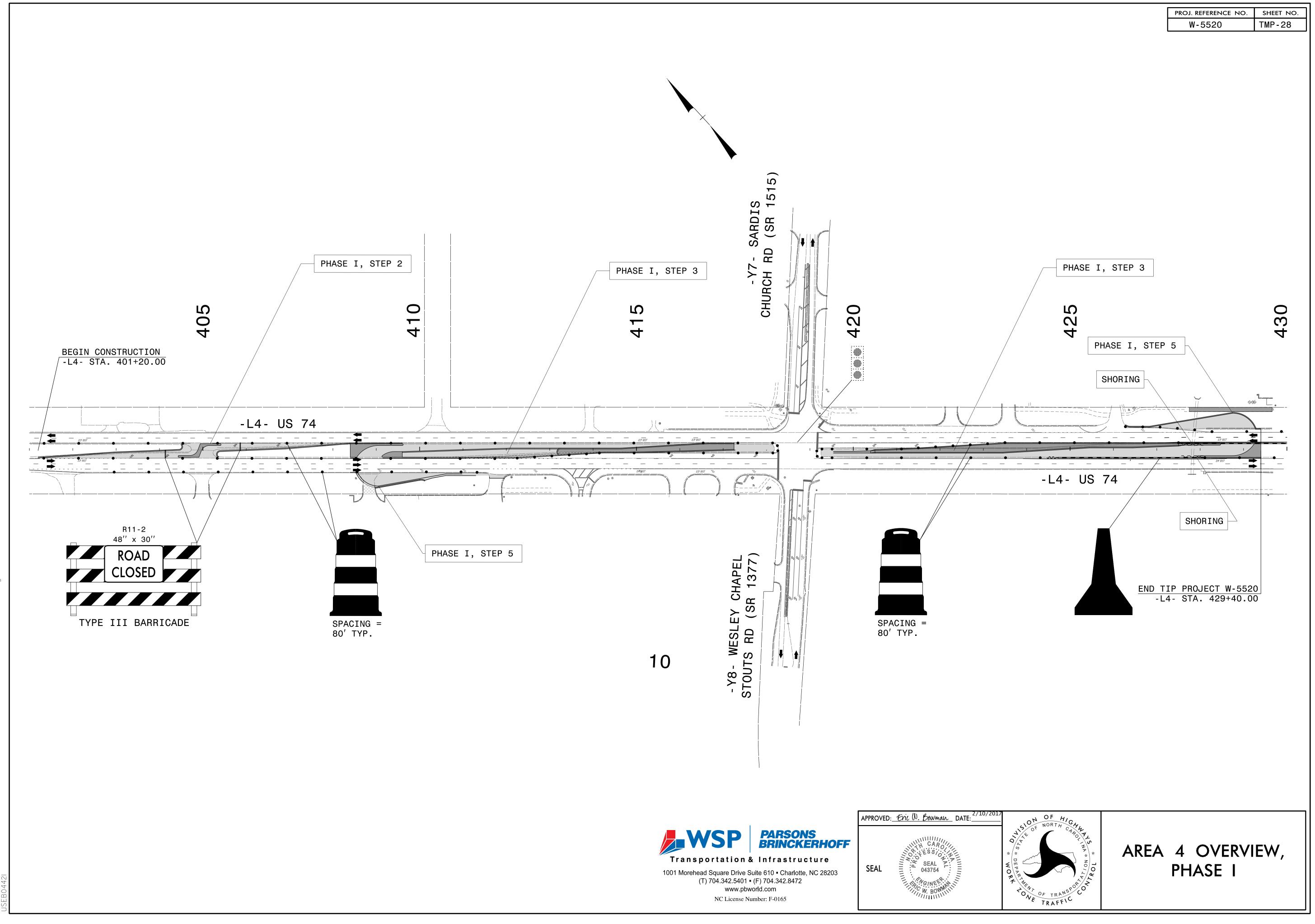
TEMPORARY LANE CLOSURES (RSD ARY PAVEMENT MARKINGS AND SIGNS (SEE ECTIONAL CROSS-OVER AND PLACE -L4-ACTIVATE THE FINAL TRAFFIC SIGNAL AT

NG, AND MONOLITHIC

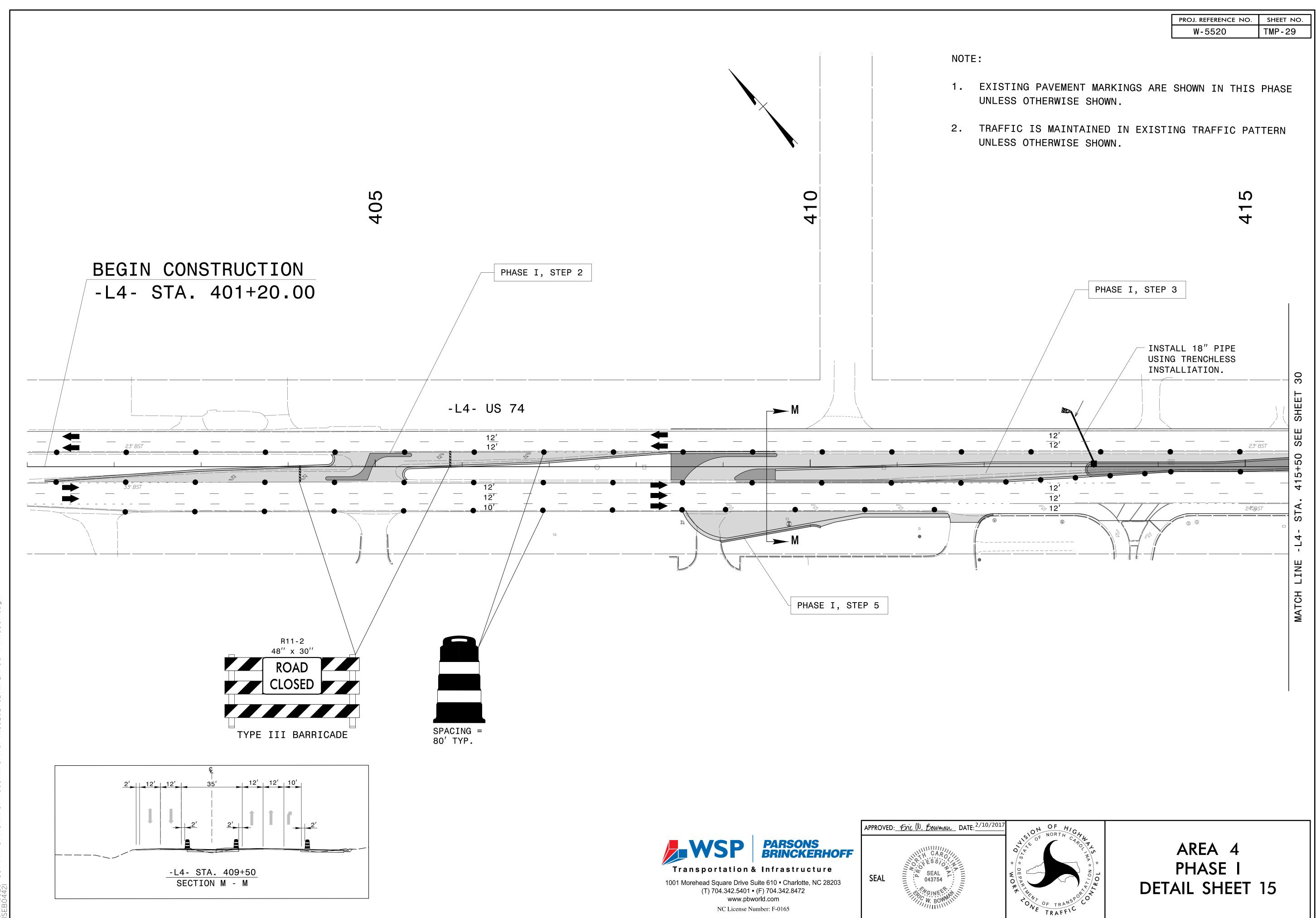
COMPLETE CONSTRUCTION OF -L4-, NDS (SURFACE MOUNTED) ON -Y7- AND RS AND THEN SHIFT TRAFFIC INTO VEMENT MARKINGS AND MARKINGS WILL



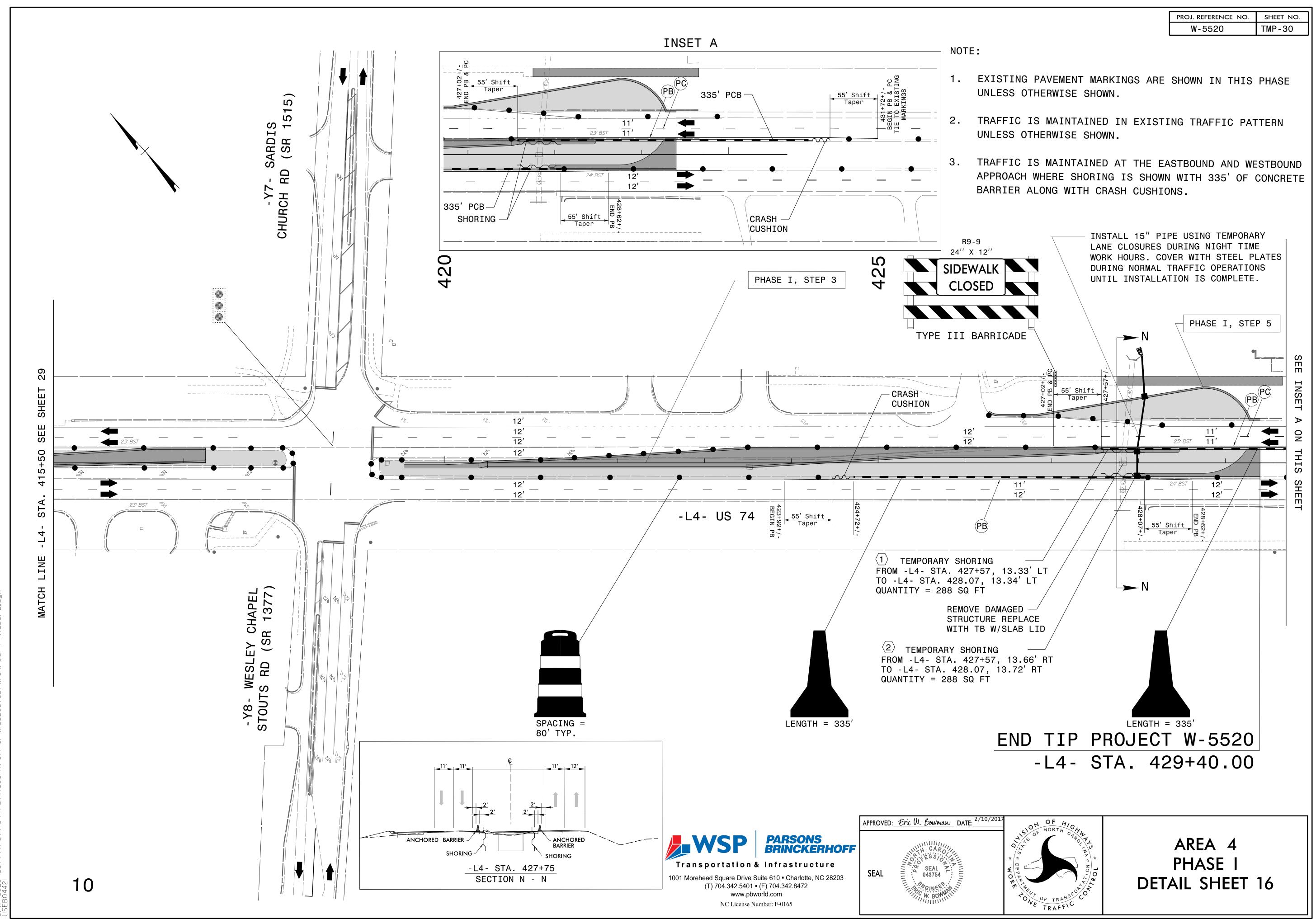
20 SHEET NO. 20 TMP-27A	W-5520



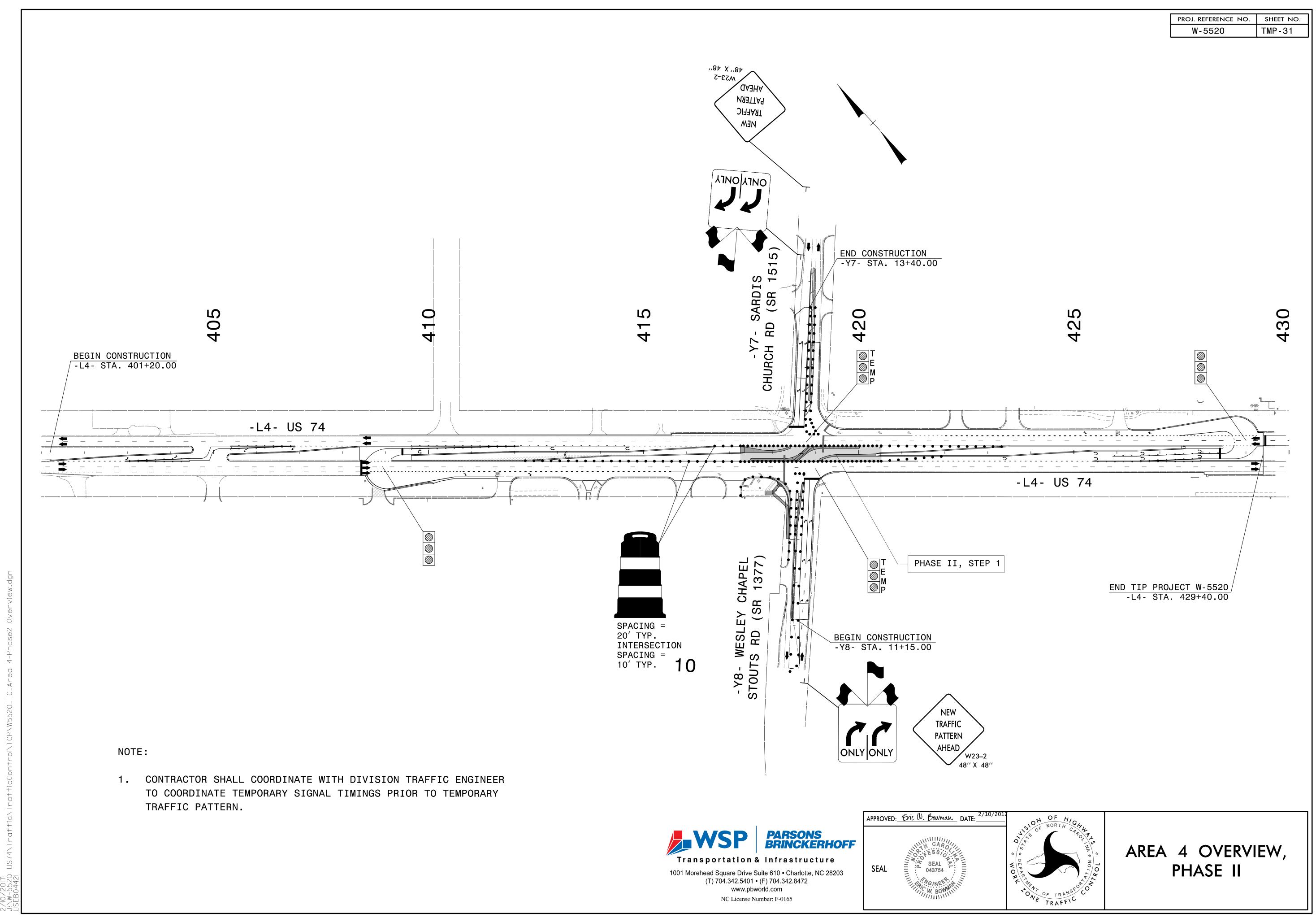
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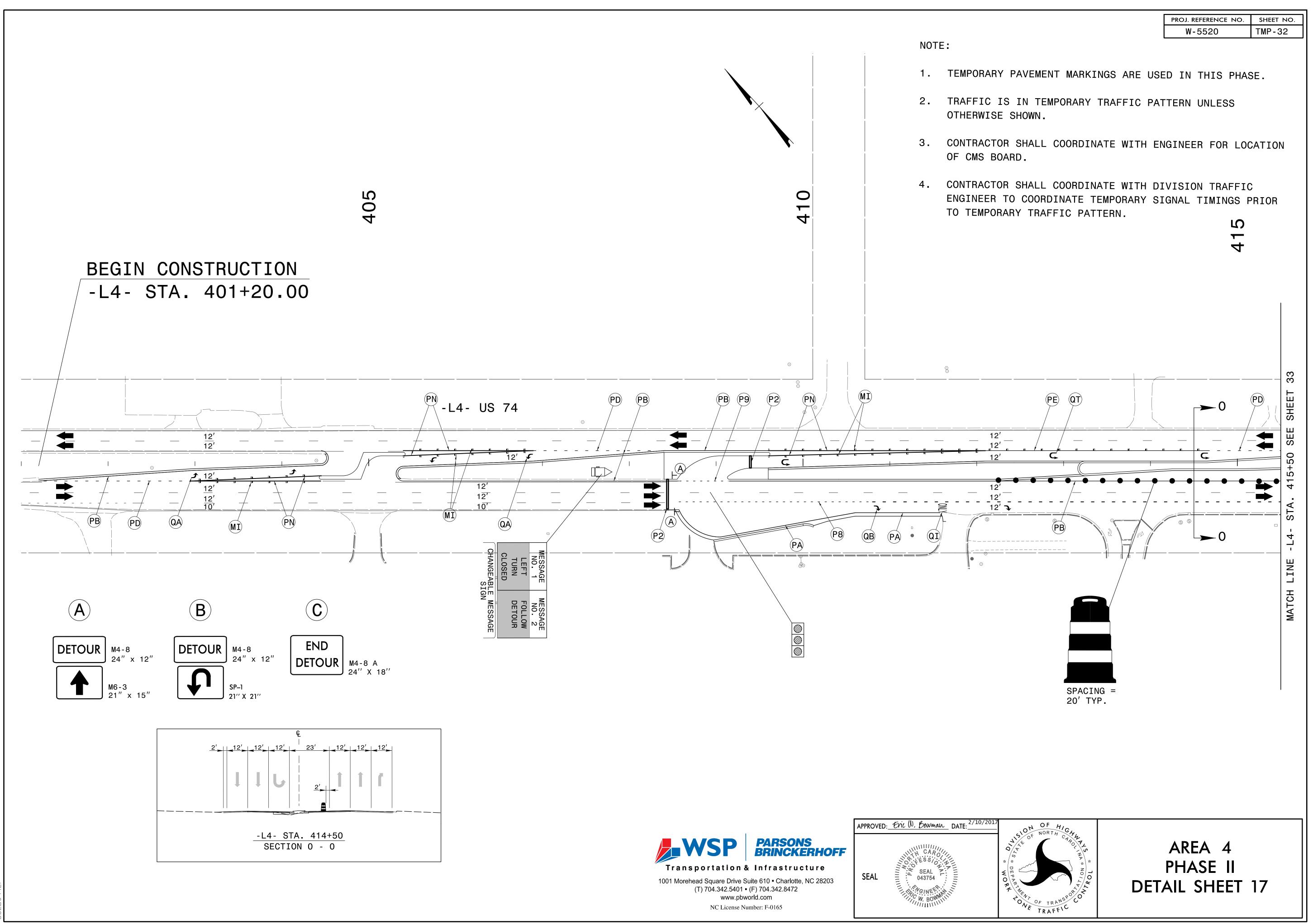




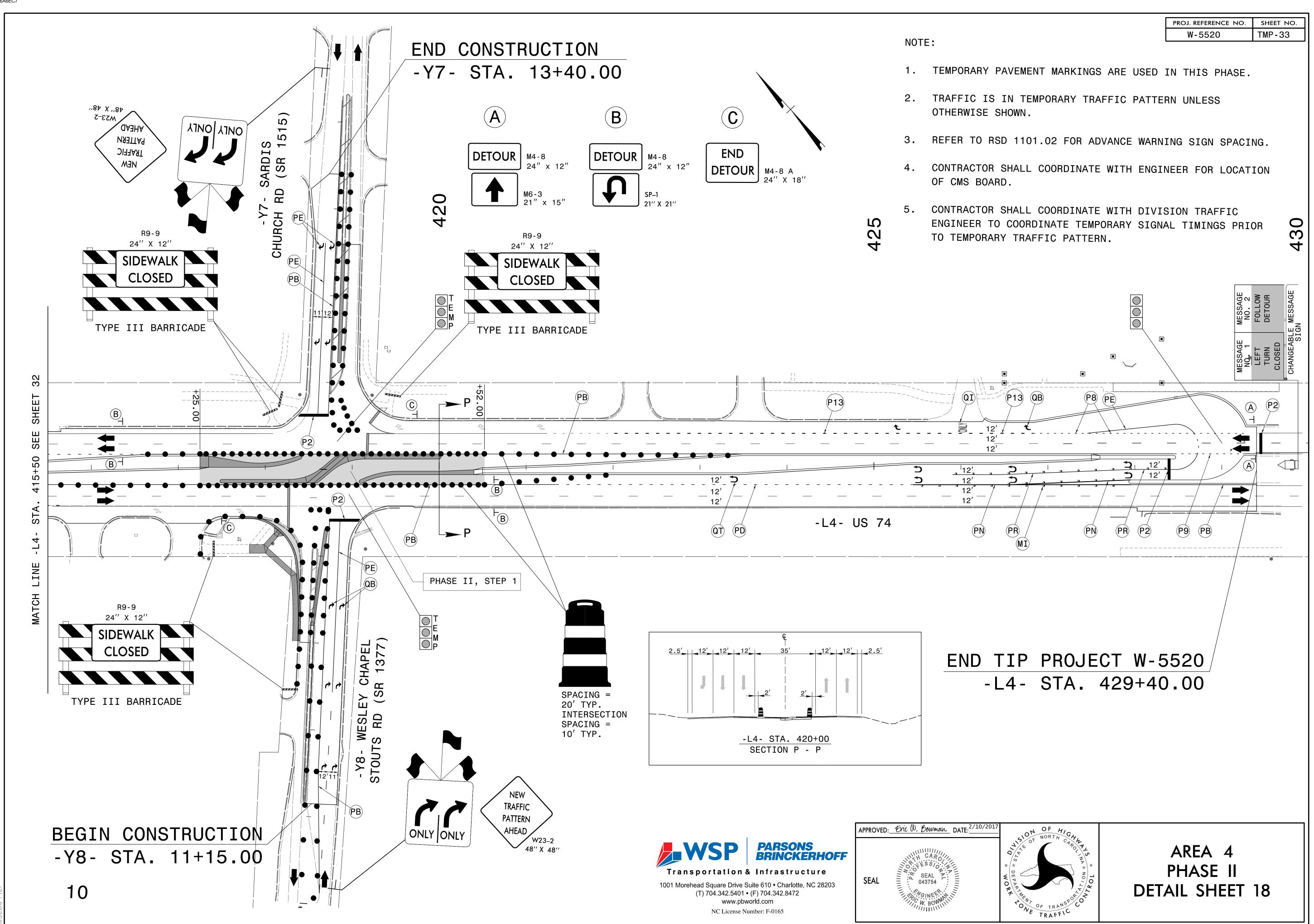


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