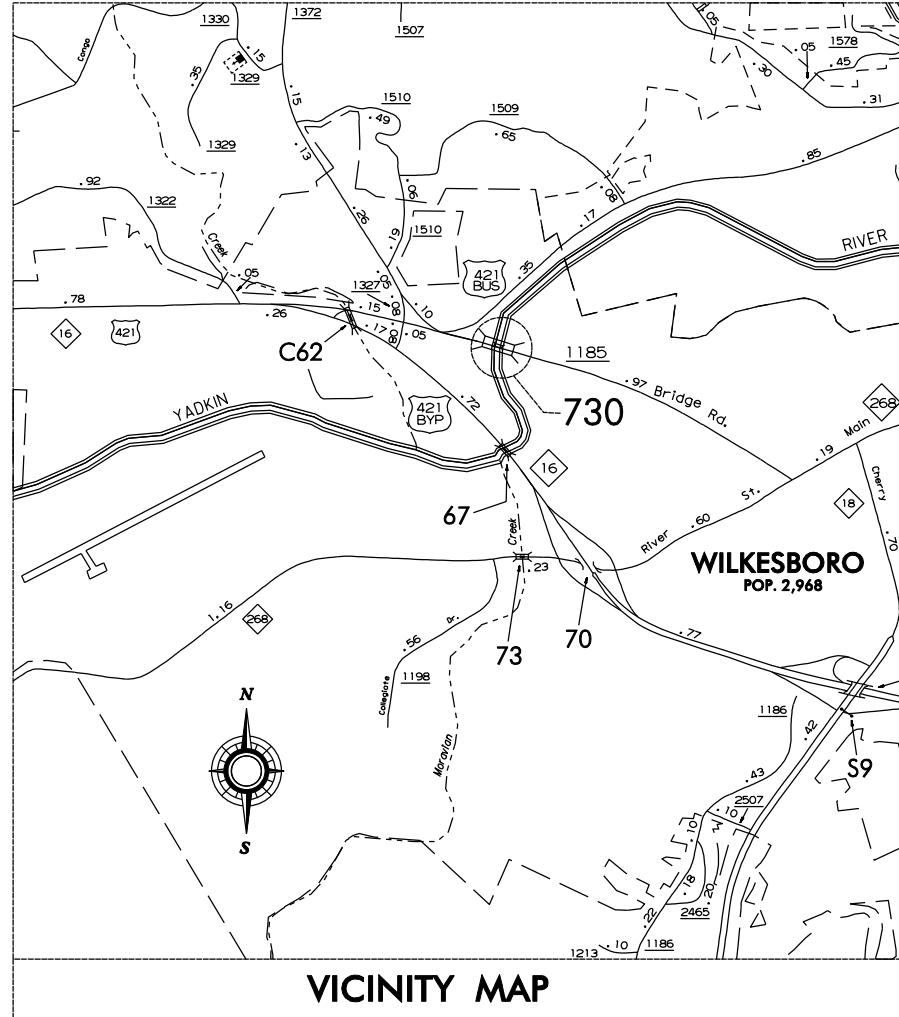


BK-5101H

CONTRACT #: D000058



VICINITY MAP

TO NC 268
WILKESBORO

INDEX OF SHEETS	
1 - 6	STRUCTURE PLANS
TCP1 - TCP3	TRAFFIC CONTROL PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WILKES COUNTY

LOCATION: BRIDGE #730, SR 1185, BRIDGE RD. OVER
THE YADKIN RIVER

TYPE OF WORK: BRIDGE DECK REHABILITATION WITH
LATEX MODIFIED CONCRETE,
PAVEMENT MARKING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	42579.3.8	1	6
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
42579.1.1	BRZ-1185 (3)	PE	
42579.3.8	BRZ-1185 (3)	CONST	

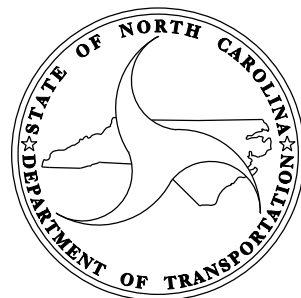


TO BUS 421

FILL FACE @
END BENT 1
STA. 39+59.00

FILL FACE @
END BENT 2
STA. 46+53.00

SR 1185



DESIGN DATA

ADT 2005 = 6500
ADT 2025 = 13000

PROJECT LENGTH

LENGTH STRUCTURE PROJECT = .013 MILE

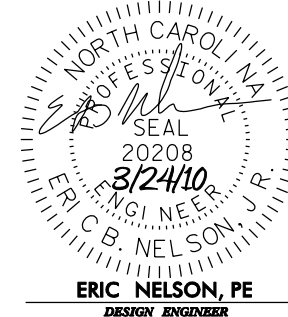
Prepared In the Office of:

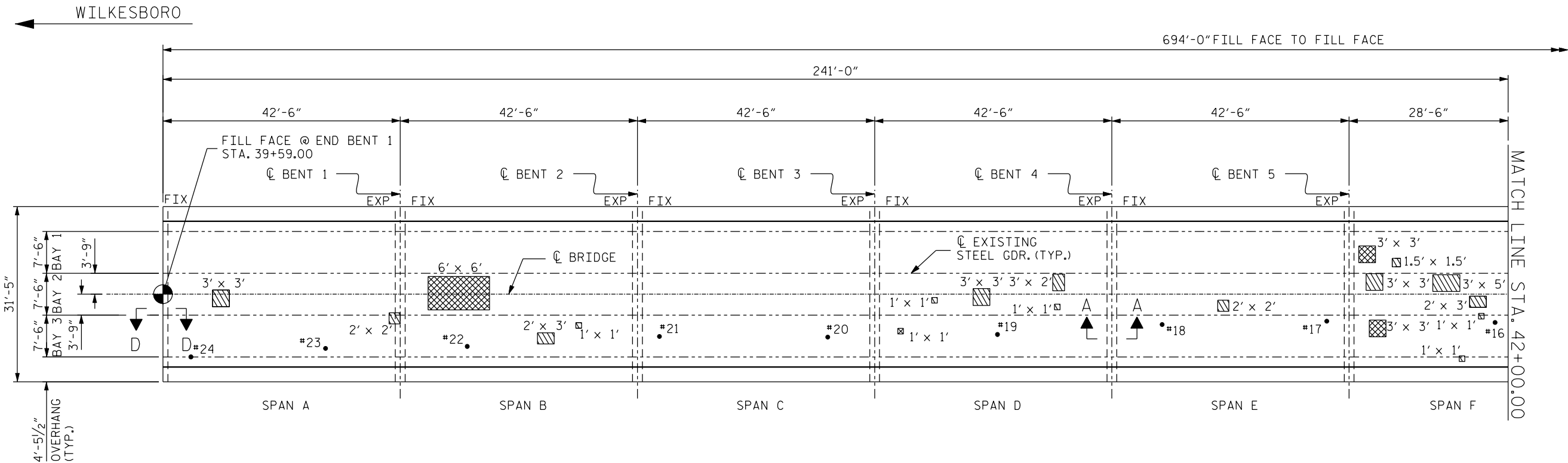
DIVISION OF BRIDGE MANAGEMENT

2006 STANDARD SPECIFICATIONS

LETTING DATE:
MAY 20, 2010

DAN HOLDERMAN, PE
PROJECT ENGINEER





PLAN

- APPROX. AREA: CLASS II REPAIR
- APPROX. AREA: CLASS III REPAIR
- APPROX. TEST BORING LOCATION

NOTES

FOR OVERLAY OF BRIDGE WITH LATEX MODIFIED CONCRETE, SEE SPECIAL PROVISIONS.

SEE SPECIAL PROVISIONS FOR SURFACE PREPARATION.

FOR HYDRO-DEMOLITION, SEE SPECIAL PROVISIONS .

FOR UNDER DECK CONTAINMENT SEE SPECIAL PROVISIONS.

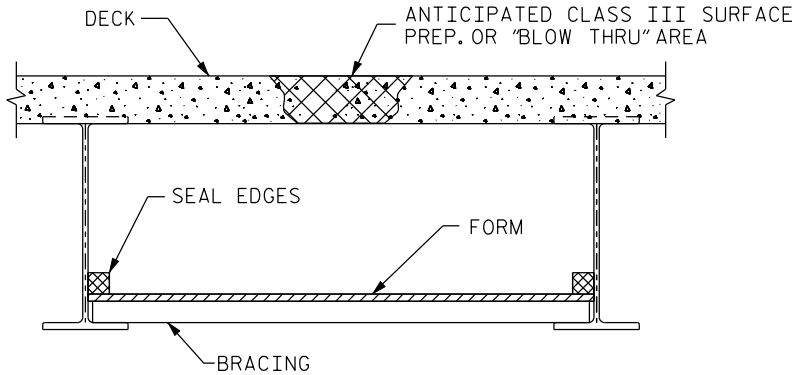
THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO- DEMOLITION PROCESS, SEE SPECIAL PROVISIONS.

THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS III SURFACE PREPARATION ARE APPROXIMATE.

FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

BRIDGE DECK DRIANS SHALL BE PLUGGED DURING HYDRODEMOLITION PROCESS. SEE HYDRODEMOLITION SPECIAL PROVISIONS.

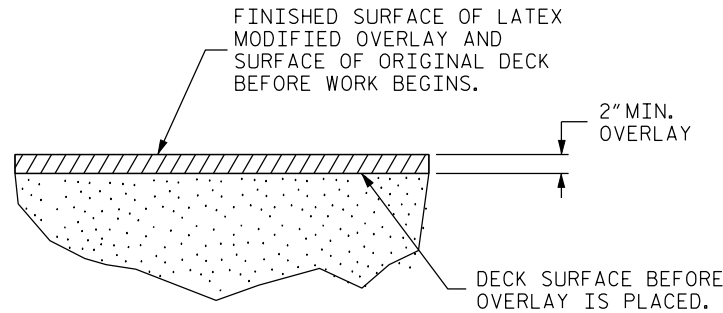


TYP. "BLOW THRU" CONTAINMENT AND FORMWORK

A METHOD TO CAPTURE WATER AND DEBRIS FROM BLOW THRU DURING HYDRO-DEMOLITION SHALL BE INSTALLED IN AREAS INDICATED AS CLASS III SURFACE PREPARATION.

SUBMIT DETAILS OF PROPOSED FORM WORK FOR APPROVAL PRIOR TO BEGINNING WORK.

COST FOR INSTALLING AND REMOVING FORM WORK SHALL BE INCIDENTAL TO THE PRICE PER SQ. YARD OF HYDRO-DEMOLITION.



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

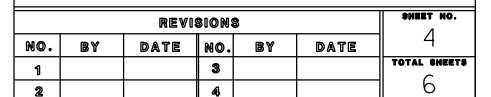
TOTAL BILL OF MATERIAL										
* DECK SCARIFICATION	* CLASS I SURFACE PREPARATION	* CLASS II SURFACE PREPARATION	* CLASS III SURFACE PREPARATION	* CLASS AA CONCRETE	HYDRO-DEMOLITION	LATEX MODIFIED CONCRETE	PLACING & FINISHING LATEX MODIFIED CONCRETE	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOOR	ASPHALT CONCRETE SURFACE COURSE TYPE SF 9.5A
SQ.YDS.	SQ.YDS.	SQ.YDS.	SQ.YDS.	C.Y.	SQ.YDS.	C.Y.	SQ. YDS.	LUMP SUM	SQ. FT.	TONS
2294	1951	46	8	1	2005	140	2005	LUMP SUM	18044	30.5

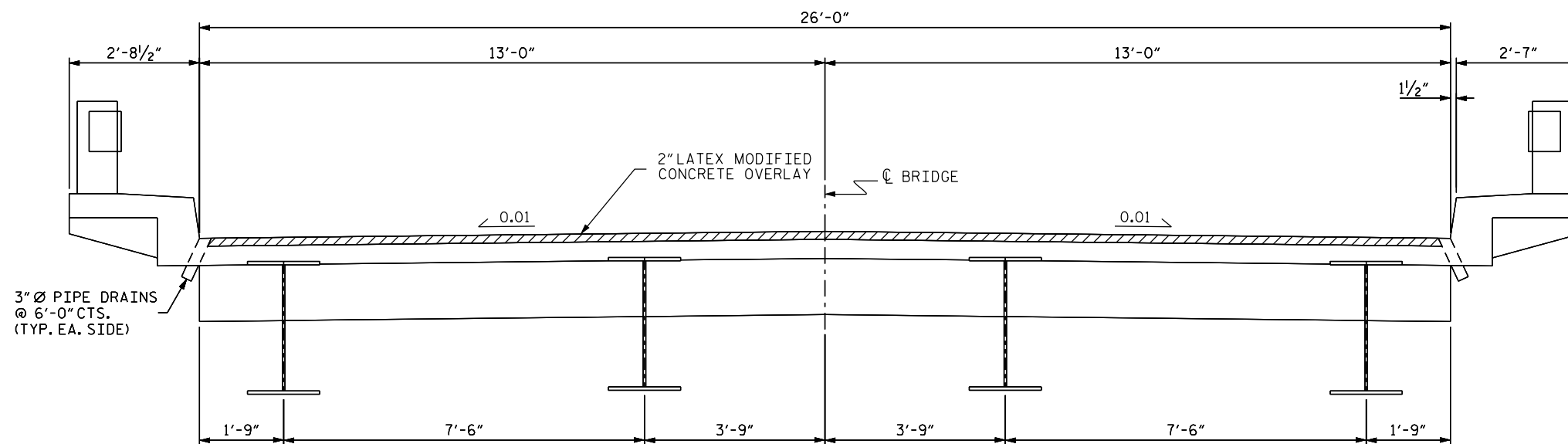
* QUANTITY SHOWN IS FOR INFORMATION ONLY. * INCLUDES APPROACH MILLING.

DRAWN BY: CLB DATE: 3/10
CHECKED BY: AGA DATE: 3/10

PROJECT NO. BK-5101H
COUNTY: WILKES
STATION: 43+06.00
DECK REPAIR BRIDGE NO. 730

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			3			2
2			4			6





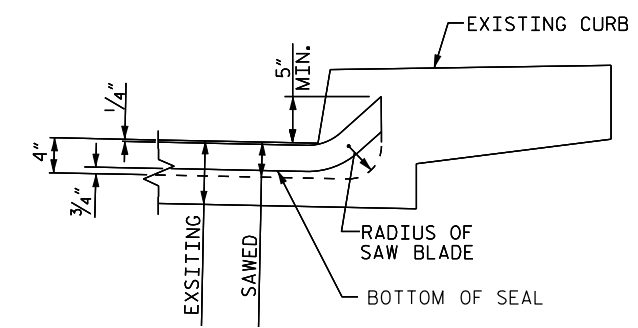
NOTES

FOR EVAZOTE JOINT SEAL, SEE SPECIAL PROVISIONS.

THE INSTALLED EVAZOTE JOINT SEALS SHALL BE WATERTIGHT.

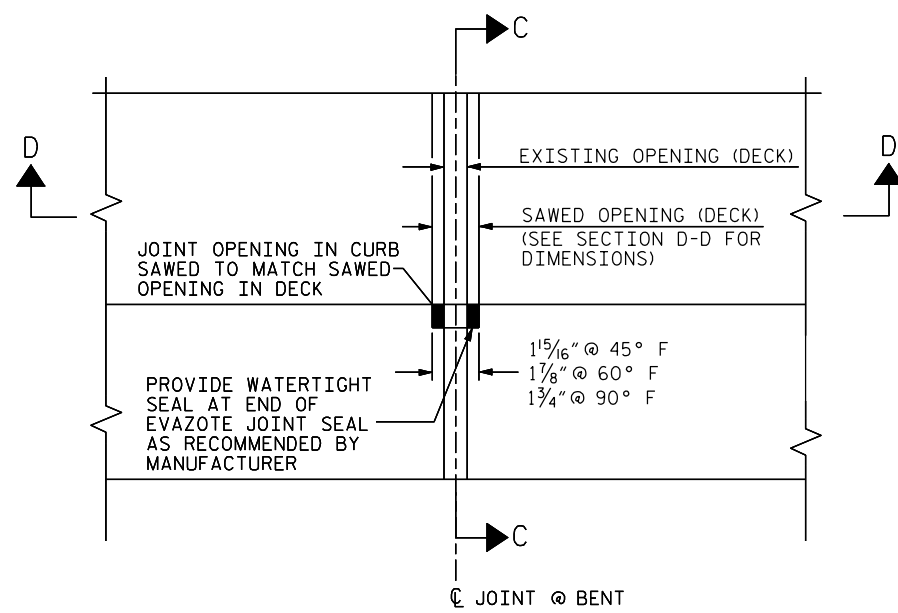
NOMINAL UNCOMPRESSED SEAL WIDTH OF EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT BENTS #1 THRU #5 & #12 & #13.

THE CONTRACTOR WILL NOT BE PERMITTED TO FORM THE JOINT FOR THE EVAZOTE JOINT SEAL IN LIEU OF SAWING THE JOINT.

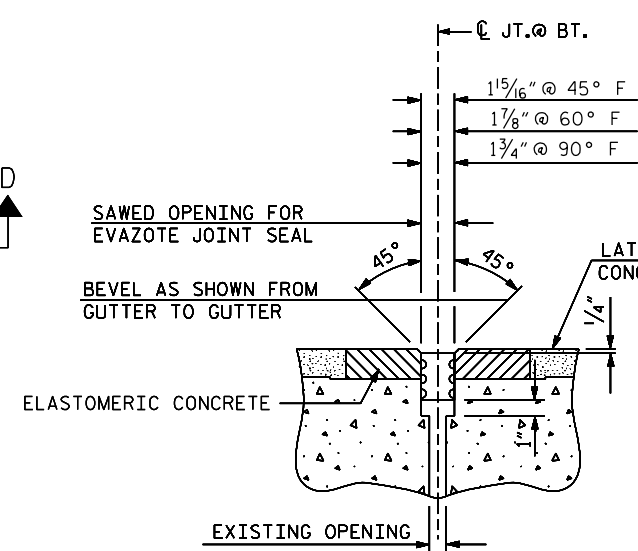


SECTION C-C

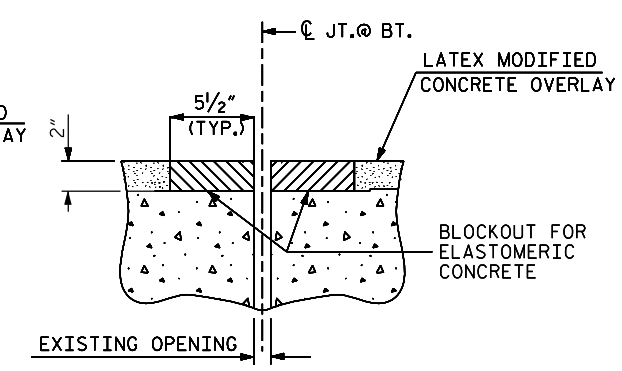
ELASTOMERIC CONCRETE		
BENT #1 THRU #5	19.9	(CU. FT.)
BENTS #12 & #13	7.9	(CU. FT.)
* TOTAL	27.8	(CU. FT.)
* BASED ON THE MINIMUM BLOCKOUT SHOWN.		



PLAN



SECTION D-D
(EVAZOTE JOINT SEAL EXPANSION)



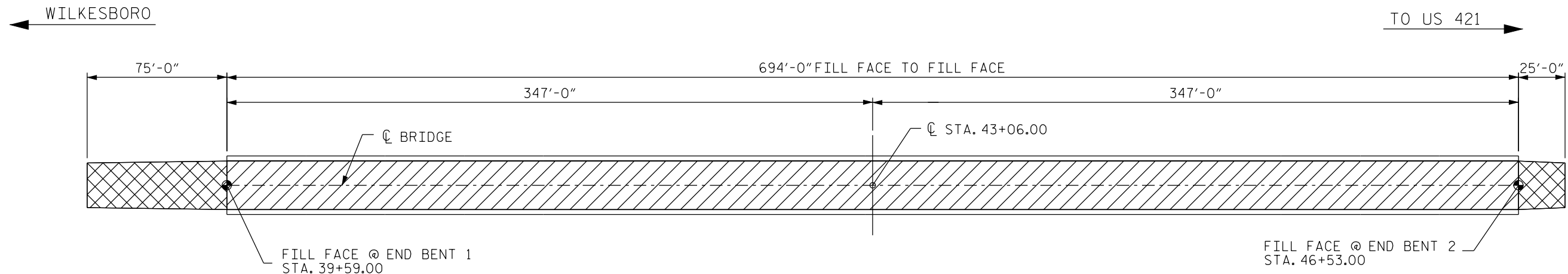
SECTION D-D
EVAZOTE JOINT SEAL
(PRE-SAWED ELASTOMERIC
CONCRETE DIMENSIONS)



EVAZOTE JOINT SEAL DETAILS
(FOR BENTS #1 THRU #5 & #12 & #13)

PROJECT NO. BK-5101H
COUNTY: WILKES
STATION: 43+06.00
DECK REHAB BRIDGE NO. 730

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			3			5
2			4			6

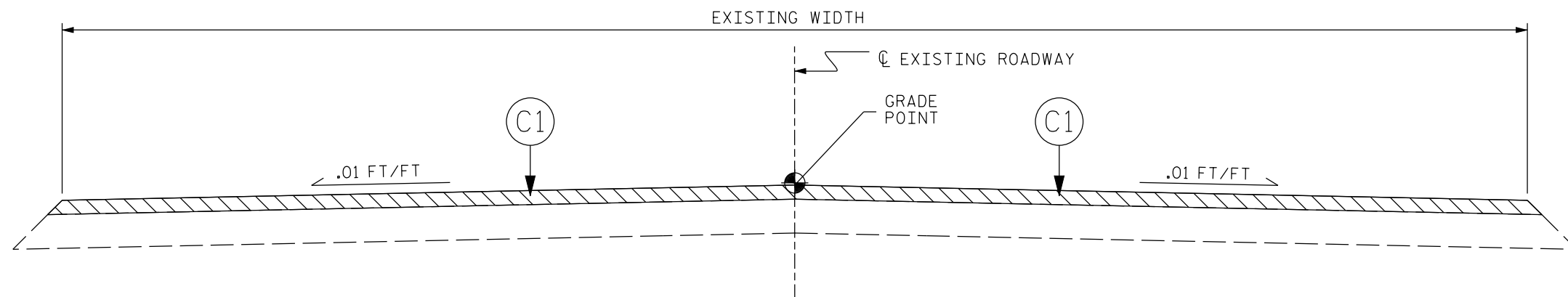
DRAWN BY: CLB DATE: 01/09
CHECKED BY: AGA DATE: 01/09



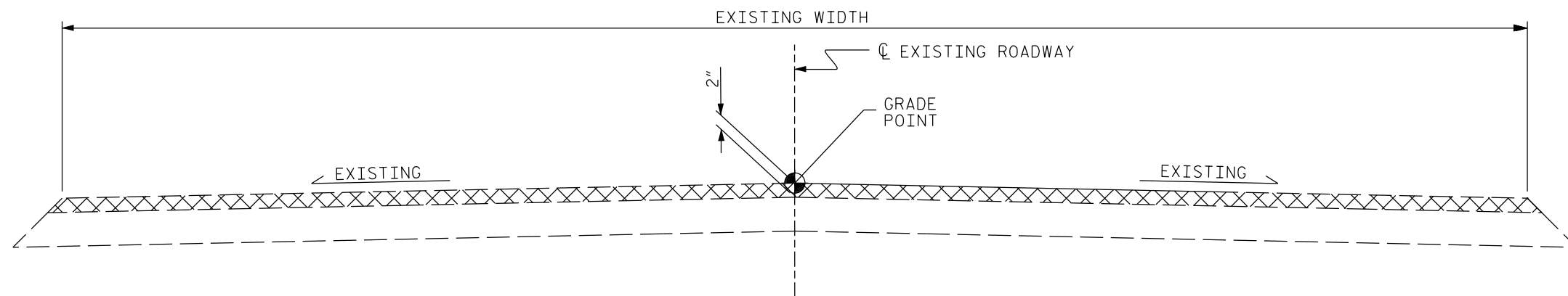
-  DECK SCARICATION AND HYDRODEMOLITION
-  ASPHALT MILLING

PLAN

C1	PROPOSED VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF 9.5A AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1 1/2" IN DEPTH.
----	--



TYPICAL ROADWAY SECTION



TYPICAL ROADWAY MILLING SECTION (MILL TO 2" DEPTH)

NOT TO SCALE

PROJECT NO. BK-5101H
 COUNTY: WILKES
 STATION: 43+06.00
 DECK REPAIR BRIDGE NO. 730

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 ROADWAY TYPICAL
 SECTION
 &
 MILLING DETAILS

DRAWN BY: CLB DATE: 3/10
 CHECKED BY: AGA DATE: 3/10

*****SYTIME*****

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	6
1			3			TOTAL SHEETS
2			4			6

3/9/2010
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gkarageorge

TIP PROJECT: BK-510IH

WBS 42579.3.8

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
TRAFFIC CONTROL

WILKES COUNTY

LOCATION: BRIDGE NO. 730 SR 1185 CURTIS BRIDGE RD. OVER YADKIN RIVER.

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE DECK PRESERVATION

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR 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
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS




INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND INDEX OF SHEETS
TCP-2	GENERAL NOTES
TCP-3	TRAFFIC CONTROL PHASING & ROAD CLOSURE














STATE PROJECT REFERENCE NO.	SHEET NO.
BK-510IH	TCP-1


LEGEND


GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  NORTH ARROW
-  WORK AREA

TRAFFIC CONTROL DEVICES

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

APPROVED: 
DATE: 3/9/16



PLAN PREPARED BY:



Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

BETSY L. WATSON, PE

TRAFFIC CONTROL ENGINEER

GEORGE KARAGEORGE

TRAFFIC CONTROL DESIGNER

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 UNDESIRED 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- B) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- AND
- PROVIDE SIGNING REQUIRED FOR THE OFFSITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- C) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- AND
- COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFFSITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- D) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

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


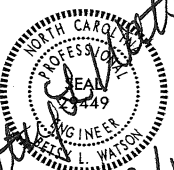

PAVEMENT MARKINGS AND MARKERS

- F) UPON COMPLETION OF ALL OTHER CONSTRUCTION OPERATIONS REPLACE THE EXISTING PAVEMENT MARKINGS ON THE FINAL SURFACE WITH POLYUREA MARKINGS ACCORDING TO ROADWAY STANDARD DRAWING 1205.02.

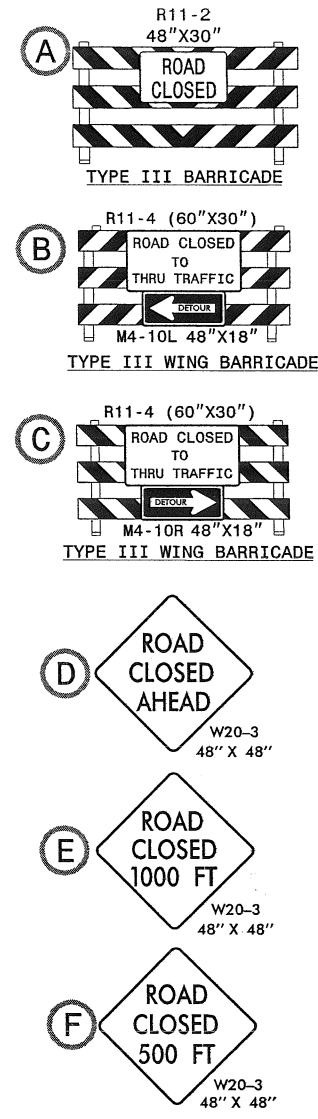
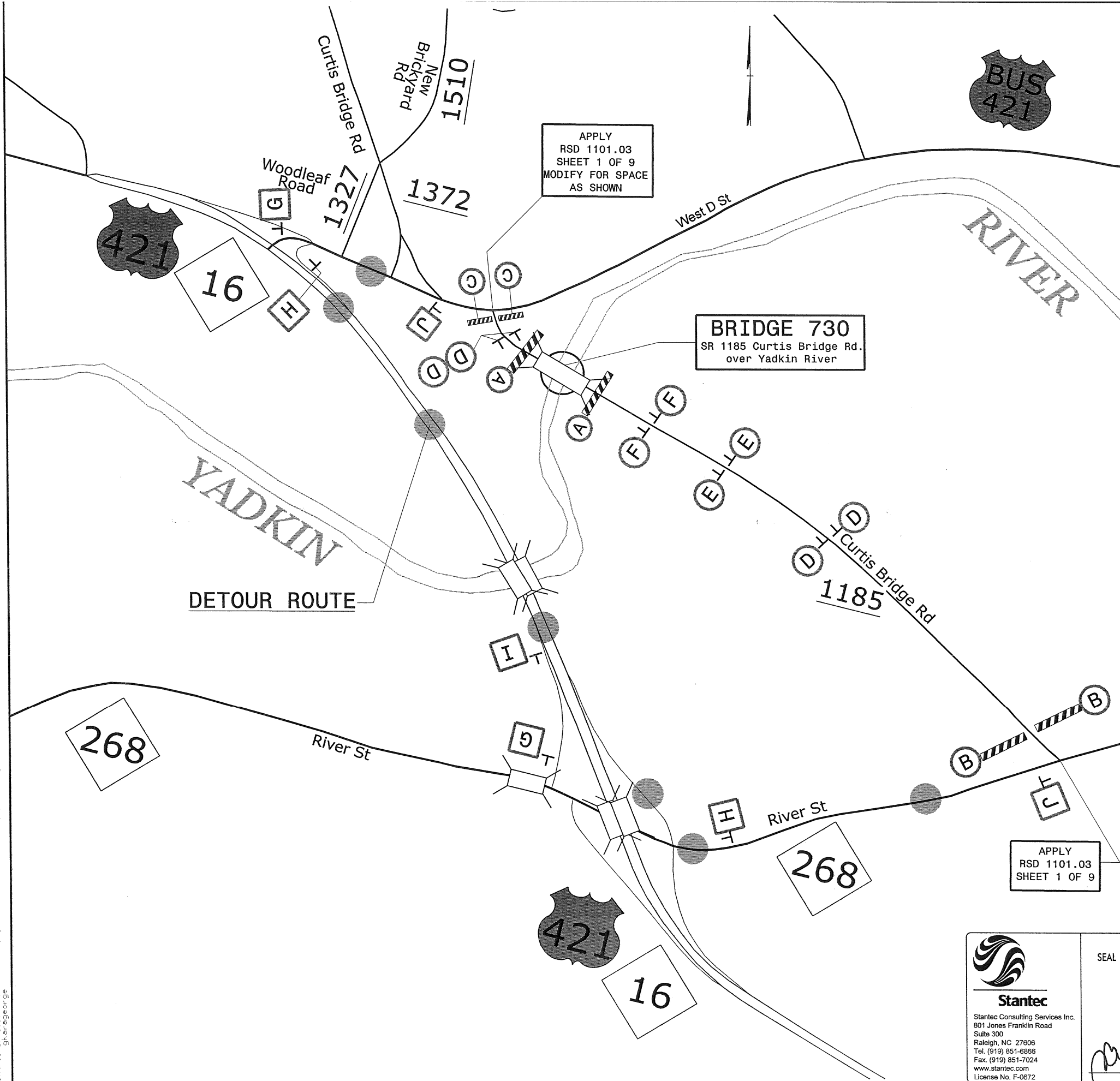
MISCELLANEOUS

- G) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- H) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.
- I) COORDINATE WITH THE NCDOT DIVISION OFFICE TO ENSURE ALL PUBLIC INVOLVEMENT ACTIVITIES HAVE BEEN ADDRESSED BEFORE CLOSING THE ROAD.

3/9/2010
control_bk-5101h_wilkes 730\tcp\plan sheets\BK-5101H_tcp_psh_02.dgn
gkarageorge

 Stantec Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672	<p>SEAL</p>  <i>Kelly L. Watson</i> 3/9/10 _____ SIGNATURE	PROJECT NOTES GENERAL NOTES		
		SCALE: NONE		REVISIONS
		DATE: FEB. 2010		
		DWG. BY: GK		
		DESIGN BY: GK		
		REVIEWED BY: BLW		CADD FILE

3/9/2010
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sharageorge



TRAFFIC CONTROL PHASING

STEP 1:

IN A CONTINUOUS OPERATION INSTALL TRAFFIC CONTROL DEVICES AND CLOSE SR 1185 AT BRIDGE #730 APPROACHES IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9.

STEP 2:

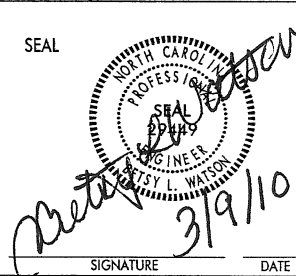
WITH SR 1185 CLOSED TO TRAFFIC, PERFORM BRIDGE DECK PRESERVATION.

REPLACE EXISTING PAVEMENT MARKINGS THAT WERE OBLITERATED DURING THE BRIDGE WORK WITH POLYUREA.

STEP 3:

REMOVE ROAD CLOSURE TRAFFIC CONTROL DEVICES AND OPEN SR 1185 TO TRAFFIC.


Stantec
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801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-8866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

SEAL

SIGNATURE DATE

WILKES CO.-BRIDGE #730
TRAFFIC CONTROL PHASING
DETAIL OF ROAD CLOSURE

SCALE:	REVISIONS
NONE	
DATE: FEB. 2010	
DWG. BY: GK	
DESIGN BY: GK	
REVIEWED BY: BLW	

CADD FILE