

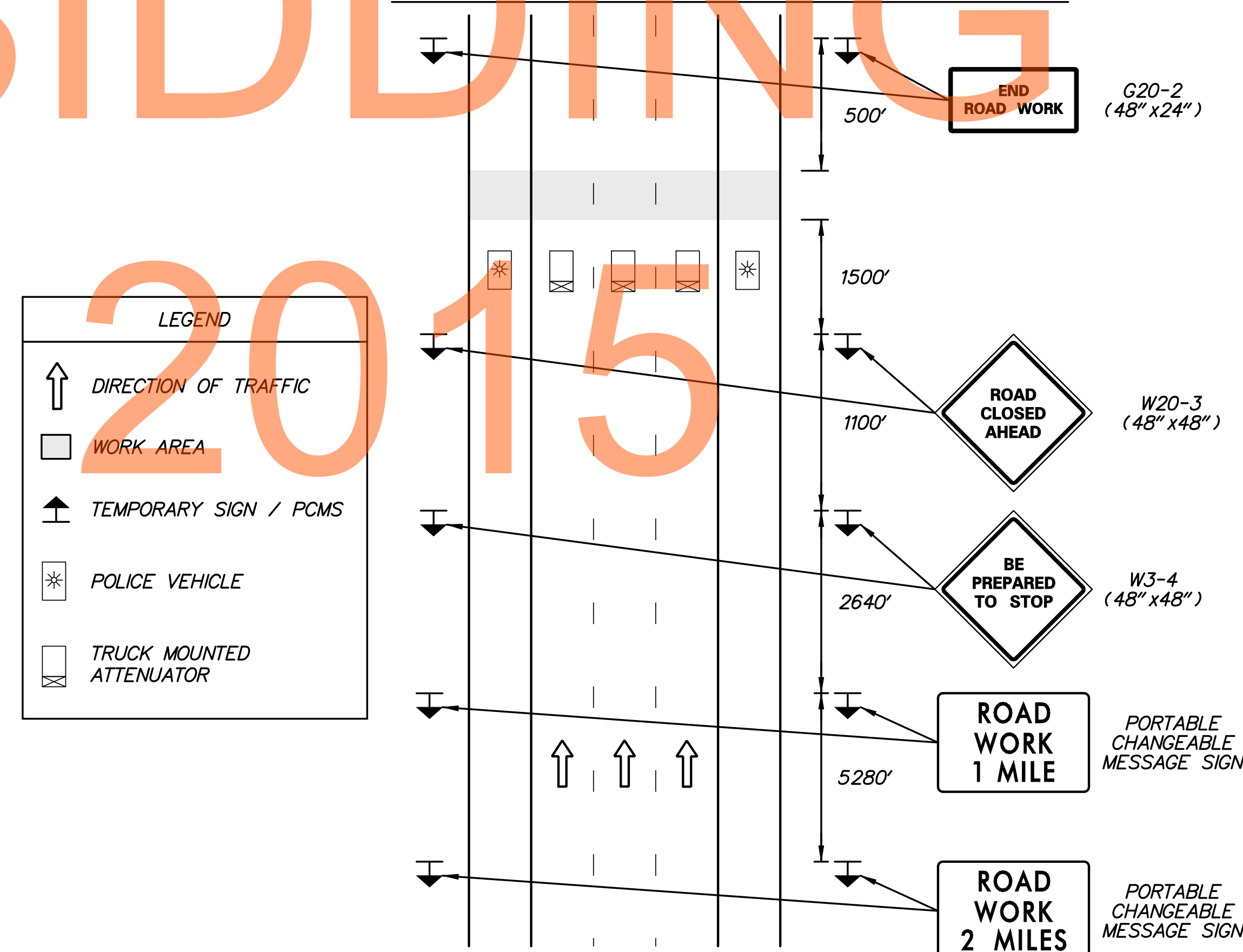
**A. GENERAL NOTES**

1. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING PAVEMENT WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER. THE COST OF ALL TEMPORARY ROADS, DETOURS AND PAVEMENT WIDENING SHALL BE PAID UNDER THE RESPECTIVE BID ITEMS AND NOT UNDER "HOT-MIX TRM" ITEM. UNIT COST OF "HOT-MIX TRM" ITEM SHALL INCLUDE REMOVAL OF SAME AFTER THE INTENDED USE. THE USE OF ITEM 402000 - HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM), SHALL BE USED ONLY AS DIRECTED BY THE ENGINEER OR AS INDICATED ON PLANS.
2. THE CONTRACTOR SHALL SUPPLY PORTABLE CHANGEABLE MESSAGE SIGNS UNDER ITEM 743004 - FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN. THE CONTRACTOR MUST DESIGNATE A PERSON RESPONSIBLE FOR THESE MESSAGE BOARDS. RELOCATING THE MESSAGE BOARDS TO DIFFERENT LOCATIONS WILL BE INCIDENTAL TO ITEM 743004. IN ADDITION TO THE LOCATIONS DEPICTED ON THE TRAFFIC CONTROL PLANS, MESSAGE BOARDS SHALL BE POSTED ALONG SR 1 AND US 13 INFORMING MOTORISTS OF CHANGES IN TRAFFIC PATTERNS ASSOCIATED WITH EACH PHASE OF CONSTRUCTION. THE PCMSs SHALL BE DISPLAYED 10 DAYS PRIOR TO AND 14 DAYS AFTER THE START OF CONSTRUCTION AND FOR EACH STAGE/PHASE CHANGE, OR AS DIRECTED BY THE ENGINEER. THE PCMSs SHALL DISPLAY THE MESSAGE "NEW TRAFFIC PATTERN" (SCREEN 1) "USE CAUTION" (SCREEN 2). ALL LOCATIONS AND MESSAGES FOR THE MESSAGE BOARDS SHALL BE APPROVED BY THE DISTRICT SAFETY OFFICER.
3. TRUCK-MOUNTED ATTENUATORS, TYPE 2 (ITEM 743010) SHALL BE REQUIRED WHEN TRAFFIC IS PRESENT DURING THE FOLLOWING OPERATIONS:
  - TEMPORARY AND PERMANENT PAVEMENT MARKING INSTALLATION AND REMOVAL
  - PLACEMENT AND REMOVAL OF TEMPORARY CONCRETE TRAFFIC BARRIER
  - PLACEMENT AND REMOVAL OF TEMPORARY TRAFFIC CONTROL DEVICES FOR LANE CLOSURES
  - AS DIRECTED BY THE ENGINEER
4. FLOODLIGHTING NECESSARY FOR NIGHT WORK WILL BE PAID UNDER ITEM 743005 - FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY. FLOODLIGHTING SHALL ALSO BE USED, AS DIRECTED BY THE ENGINEER, TO ILLUMINATE OTHER LOCATIONS.
5. THIS PROJECT IS CONSIDERED A SIGNIFICANT PROJECT AS DEFINED BY DELDOT'S WORK ZONE SAFETY AND MOBILITY - PROCEDURES AND GUIDELINES. A TYPE "B" TRANSPORTATION MANAGEMENT PLAN (TMP) HAS BEEN PREPARED AND IS AVAILABLE FOR VIEWING BY CONTACTING DELDOT'S SAFETY PROGRAMS MANAGER AT 302-659-4073. ALL MONITORING REQUIREMENTS OF THE TMP SHALL BE CONDUCTED BY DELDOT FORCES.
6. END PROTECTION FOR THE LEADING END OF ALL P.C.C. SAFETY BARRIER SHALL BE A RE-DIRECTIVE NON-GATING PORTABLE IMPACT ATTENUATOR MEETING NCHRP REPORT 350 TEST LEVEL 3 (TL-3) CRITERIA OR HIGHER. ATTENUATORS ON SR 1 SHALL BE DESIGNED FOR A 70 MPH DESIGN SPEED AND ATTENUATORS ON US 13 SHALL BE DESIGNED FOR A 60 MPH DESIGN SPEED.
7. BARRIER PLACEMENT HAS BEEN SET TO PROVIDE A 3'-0" MINIMUM BARRIER DEFLECTION ZONE BUFFER TO ALLOW FOR POTENTIAL IMPACT DEFLECTION ON WORK ZONE SIDE UNLESS OTHERWISE NOTED. NO PERMANENT STORAGE OF EQUIPMENT AND MATERIALS SHALL BE ALLOWED WITHIN 3'-0" OF THE WORK ZONE SIDE OF THE TEMPORARY P.C.C. SAFETY BARRIER OR WITHIN THE BARRIER LENGTH OF NEED (SEE NOTE 19). TEMPORARY ENCROACHMENT WITHIN THIS 3'-0" BUFFER BY EQUIPMENT AND/OR WORKERS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT POSSIBLE. IN SELECT AREAS LESS THAN 3'-0" BEHIND P.C.C. SAFETY BARRIER IS PROVIDED DUE TO SITE CONSTRAINTS AS SHOWN ON PLANS. IN ANY RUN OF P.C.C. SAFETY BARRIER WHERE LESS THAN 3'-0" BEHIND BARRIER IS PROVIDED THE CONTRACTOR SHALL PIN THE BARRIER TO MINIMIZE DEFLECTION. CONTRACTOR SHALL PROVIDE A PINNING METHOD THAT MEETS THE REQUIREMENTS OF NCHRP 350 FOR APPROVAL BY THE ENGINEER.
8. THE REFLECTIVE LENSES ONLY OF ANY EXISTING PLOWABLE RAISED PAVEMENT MARKERS IN CONFLICT WITH PROPOSED TEMPORARY STRIPING SHALL BE REMOVED. PAYMENT FOR REMOVAL OF THE REFLECTIVE LENSES WILL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC. REFER TO SIGNING, STRIPING AND CONDUIT PLANS FOR PERMANENT PLOWABLE RAISED PAVEMENT MARKER CONFIGURATION INCLUDING REPLACEMENT OF REFLECTIVE LENSES IN EXISTING PAVEMENT MARKER HOUSING.
9. TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED THROUGHOUT THE LIMITS OF PROPOSED TEMPORARY STRIPING AS PER FIGURES 3B-15A THROUGH 3B-15H OF THE DELAWARE MUTCD.
10. AT THE COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY TRAFFIC CONTROL DEVICES TO REMAIN AS SHOWN ON DRAWINGS CS-401 - CS-407 (PHASE 4). THE TEMPORARY TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AND SERVE TO TEMPORARILY CLOSE THE NEW US 301 ROADWAY UNTIL ITS OFFICIAL OPENING. MAINTENANCE AND REMOVAL OF THE TEMPORARY TRAFFIC CONTROL DEVICES DURING THE INTERIM CLOSURE PERIOD AND UPON OPENING OF THE US 301 ROADWAY SHALL BE THE RESPONSIBILITY OF OTHERS (CONTRACT T200911303 CONTRACTOR). FURNISHING AND INSTALLATION OF THE TEMPORARY TRAFFIC CONTROL DEVICES TO REMAIN BY THE CONTRACT T200911302 CONTRACTOR WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY TRAFFIC CONTROL DEVICES FURNISHED AND INSTALLED TO REMAIN BY OTHERS (CONTRACT T201011302 CONTRACTOR) FOR CLOSURE OF THE NEWLY CONSTRUCTED RAMP R AT THE US 13 AND PORT PENN ROAD INTERSECTION. THE CONTRACT T200911302 CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THESE TEMPORARY TRAFFIC CONTROL DEVICES UPON OPENING OF RAMP R DURING CONSTRUCTION PHASE 3 OF THIS CONTRACT, AS DIRECTED BY THE ENGINEER. MAINTENANCE AND REMOVAL OF THE TEMPORARY TRAFFIC CONTROL DEVICES FURNISHED AND INSTALLED TO REMAIN BY OTHERS (CONTRACT T201011302 CONTRACTOR) FOR THE RAMP R CLOSURE WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC. SEE DWG. NOS. CS-312 AND CS-313.
12. ALL TEMPORARY SIGNS WILL BE PAID FOR UNDER ITEM 743024 - TEMPORARY WARNING SIGNS AND PLAQUES (EADY).
13. TEMPORARY ROADWAY LIGHTING SHALL BE PROVIDED IN LOCATIONS WHERE THE EXISTING ROADWAY LIGHTING IS IMPACTED BY CONSTRUCTION ACTIVITIES. THE TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO ANY DISTURBANCE TO THE EXISTING ROADWAY LIGHTING AND SHALL REMAIN OPERATIONAL THROUGH ALL PHASES OF CONSTRUCTION UNTIL THE PERMANENT LIGHTING IS INSTALLED AND ACCEPTED BY THE ENGINEER.
14. THE SPACING OF THE FIRST FOUR CHANNELIZING DEVICES IN A SERIES USED FOR TAPER CHANNELIZATION SHOULD NOT EXCEED 25 FEET AND THE SPACING OF CHANNELIZING DEVICES USED FOR DOWNSTREAM TAPERS SHALL BE SPACED AT 20 FEET.
15. ROADWAY AND SHOULDER WORK SHALL BE PERFORMED IN A MANNER SO THAT POSITIVE DRAINAGE OF THE ROADWAY SURFACE IS MAINTAINED THROUGHOUT CONSTRUCTION. ALL WORK AND MATERIALS TO PROVIDE AND MAINTAIN THE DRAINAGE SHALL BE INCIDENTAL TO ITEM NO. 763500 - MAINTENANCE OF TRAFFIC.
16. W11-10 (48"x48") TRUCK WARNING SIGNS SHALL BE INSTALLED 500 FEET IN ADVANCE OF ALL ACTIVE STABILIZED CONSTRUCTION ENTRANCES (SCEs). THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE TRUCK WARNING SIGNS WITH OTHER SIGNING AS APPROVED BY THE ENGINEER. SCEs SHALL BE DELINEATED BY TYPE III BARRICADES AT ALL TIMES.
17. A BICYCLE DETOUR FOR US 13 BICYCLE TRAFFIC IS PROPOSED FOR THE DURATION OF CONSTRUCTION AS SHOWN ON DRAWING NO. DP-04. THE DETOUR ROUTE TRAVELS THROUGH THE WORK AREA OF CONTRACT NO. T200911308. THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACT T200911308 CONTRACTOR TO ENSURE THAT THE DETOUR ROUTE IS MAINTAINED AT ALL TIMES. ALTHOUGH BICYCLE TRAFFIC ALONG US 13 WILL BE DETOURED, SPACE HAS BEEN PROVIDED FOR BICYCLES AS SHOWN ON THE PLANS IN THE EVENT THAT THE DETOUR IS DISREGARDED. THE CONTRACTOR SHALL MAINTAIN THIS SPACE FOR BIKES AT ALL TIMES.
18. WHEN THE PLANS SPECIFY THE USE OF TEMPORARY PAINT PAVEMENT MARKINGS ON SR 1 THE TEMPORARY PAINT PAVEMENT MARKINGS SHALL BE LATEX PAINT WITHOUT CONTRAST MARKINGS. THE PAVEMENT MARKINGS SHALL BE REMOVED BY HYDROBLASTING TO REDUCE PAVEMENT SCARRING ON SR 1. PAYMENT FOR USE OF LATEX PAINT PAVEMENT MARKINGS WILL BE MADE UNDER ITEM NOS. 748019 - TEMPORARY MARKINGS, PAINT 4", 748034 - TEMPORARY MARKINGS, PAINT, 10" AND 748026 TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND ACCORDING TO THEIR USE INDICATED ON THE PLANS.
19. WHEN THE LEADING END OF THE BARRIER IS OPEN FOR CONSTRUCTION ACCESS AND WORK IS OCCURRING WITHIN THE BARRIER LENGTH OF NEED (730 FEET OF THE LEADING END OF THE BARRIER FOR SR 1 AND WITHIN 570 FEET FOR US 13), A TYPE 2 TRUCK MOUNTED ATTENUATOR SHALL BE PROVIDED AT THE LEADING END OF THE BARRIER TO PROTECT THE WORK AREA AND TO PREVENT ERRANT VEHICLES FROM TRAVELING BEHIND THE BARRIER.
20. TRAFFIC OFFICERS SHALL BE USED DURING LANE CLOSURES, DETOURS AND PHASE CHANGES, AS DIRECTED BY THE ENGINEER.

**B. WORK HOUR/LANE CLOSURE RESTRICTIONS**

1. 15 MINUTE INTERMITTENT ROAD CLOSURES MAY BE USED FOR THE INSTALLATION OR REMOVAL OF OVERHEAD SIGN STRUCTURES. THESE ROAD CLOSURES SHALL OCCUR BETWEEN 12 AM (MIDNIGHT) AND 4 AM MONDAY THROUGH THURSDAY AND SHALL LAST NO LONGER THAN 15 MINUTES. TRAFFIC OFFICERS SHALL BE USED TO ASSIST IN THE CLOSURES. THE CONTRACTOR SHALL COORDINATE WITH DELDOT'S TRAFFIC SAFETY SECTION AND TRANSPORTATION MANAGEMENT CENTER PRIOR TO IMPLEMENTING INTERMITTENT ROAD CLOSURES. SEE DETAIL THIS SHEET.
2. THE TYPICAL APPLICATIONS FROM PART 6 OF THE DELAWARE MUTCD SHALL BE UTILIZED FOR CONSTRUCTION ACTIVITIES WHICH OCCUR OUTSIDE OF THE WORK AREAS ESTABLISHED ON THE CONSTRUCTION PHASING, MOT AND EROSION CONTROL PLANS, OR AS DIRECTED BY THE ENGINEER:
  - A. TYPICAL APPLICATIONS 5A, 42 & 44 - ALL LIGHTING, SIGNING AND TEMPORARY SIGNING WORK IN THE MEDIAN AND ON OR OFF THE SHOULDER
  - B. TYPICAL APPLICATIONS 33, 42 & 44 - INSTALLATION OF LIGHT POLES OVER TRAVEL LANES
  - C. TYPICAL APPLICATIONS 33, 37, 42 & 44 - ALL OVERHEAD SIGNING WORK
  - D. TYPICAL APPLICATIONS 35D & 35F - INSTALLATION OF ALL LANE LINE, CENTERLINE, AND EDGE LINE PAVEMENT MARKINGS
  - F. TYPICAL APPLICATIONS 5A, 33, 42 & 44 - INSTALLATION OF ITEMS EQUIPMENT
  - G. TYPICAL APPLICATIONS 5A & 33 - PAVING & PATCHING
3. ALL WORK REQUIRING A SINGLE LANE CLOSURE ALONG SR 1 USING TYPICAL APPLICATION 33 SHALL BE PERMITTED DURING THE FOLLOWING HOURS:
  - MONDAY THROUGH THURSDAY FROM 9 AM - 3 PM
  - MONDAY THROUGH THURSDAY FROM 9 PM - 6 AM (THE FOLLOWING MORNING)
4. ALL WORK REQUIRING A DOUBLE LANE CLOSURE ALONG SR 1 USING TYPICAL APPLICATION 37 SHALL BE PERMITTED DURING THE FOLLOWING HOURS:
  - MONDAY THROUGH THURSDAY FROM 10 PM - 5 AM (THE FOLLOWING MORNING)
5. ALL WORK ALONG US 13 NORTHBOUND REQUIRING A SINGLE LANE CLOSURE USING TYPICAL APPLICATION 33 SHALL BE PERMITTED DURING THE FOLLOWING HOURS:
  - MONDAY THROUGH THURSDAY 9 AM - 3 PM
  - MONDAY THROUGH THURSDAY 6 PM - 6 AM (THE FOLLOWING MORNING)
6. ALL WORK ALONG US 13 SOUTHBOUND REQUIRING A SINGLE LANE CLOSURE USING TYPICAL APPLICATION 33 SHALL BE PERMITTED DURING THE FOLLOWING HOURS:
  - MONDAY THROUGH THURSDAY FROM 9 AM - 2 PM
  - MONDAY THROUGH THURSDAY FROM 8 PM - 6 AM (THE FOLLOWING MORNING)
7. CLOSURES AND DETOURS OF SR 1 SHALL BE PERMITTED FOR BRIDGE CONSTRUCTION ACTIVITIES ASSOCIATED WITH BR 1-433. WHEN ONLY ONE DIRECTION OF SR 1 IS CLOSED AND DETOURED AT A TIME THE DETOUR ROUTES SHALL FOLLOW DWG. NO. DP-01 FOR SR 1 SOUTHBOUND AND DP-02 FOR SR 1 NORTHBOUND. WHEN ERECTING GIRDERS FOR BR 1-433 WHICH SPAN BOTH DIRECTIONS OF SR 1, BOTH DIRECTIONS MAY BE CLOSED AND DETOURED SIMULTANEOUSLY AND THE DETOUR ROUTES SHALL FOLLOW DWG. NO. DP-01 FOR SR 1 SOUTHBOUND AND DP-03 FOR SR 1 NORTHBOUND. THESE SIMULTANEOUS DETOURS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT POSSIBLE AND SHALL NOT OCCUR FOR ANY OTHER CONSTRUCTION ACTIVITIES. ALL SR 1 DETOURS SHALL BE PERMITTED MONDAY THROUGH THURSDAY FROM 9 PM - 5 AM (THE FOLLOWING MORNING) ONLY.

**INTERMITTENT ROAD CLOSURE DETAIL**



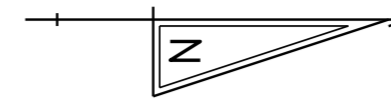
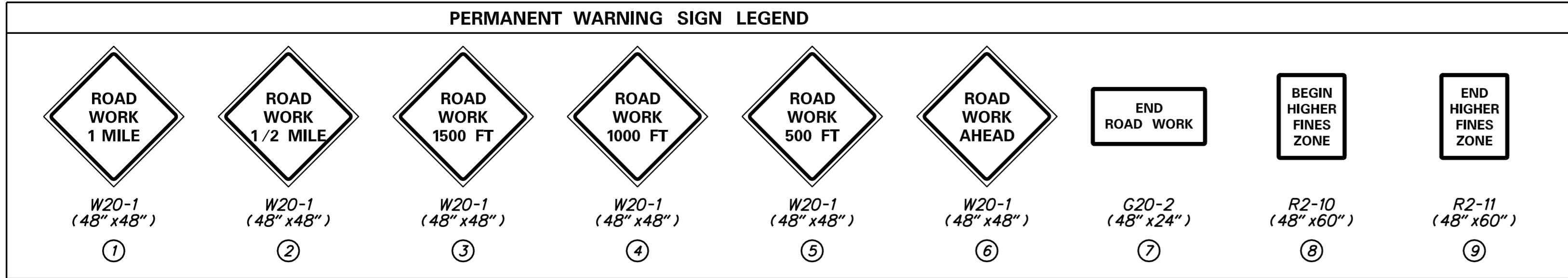
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ADDENDUMS / REVISIONS	

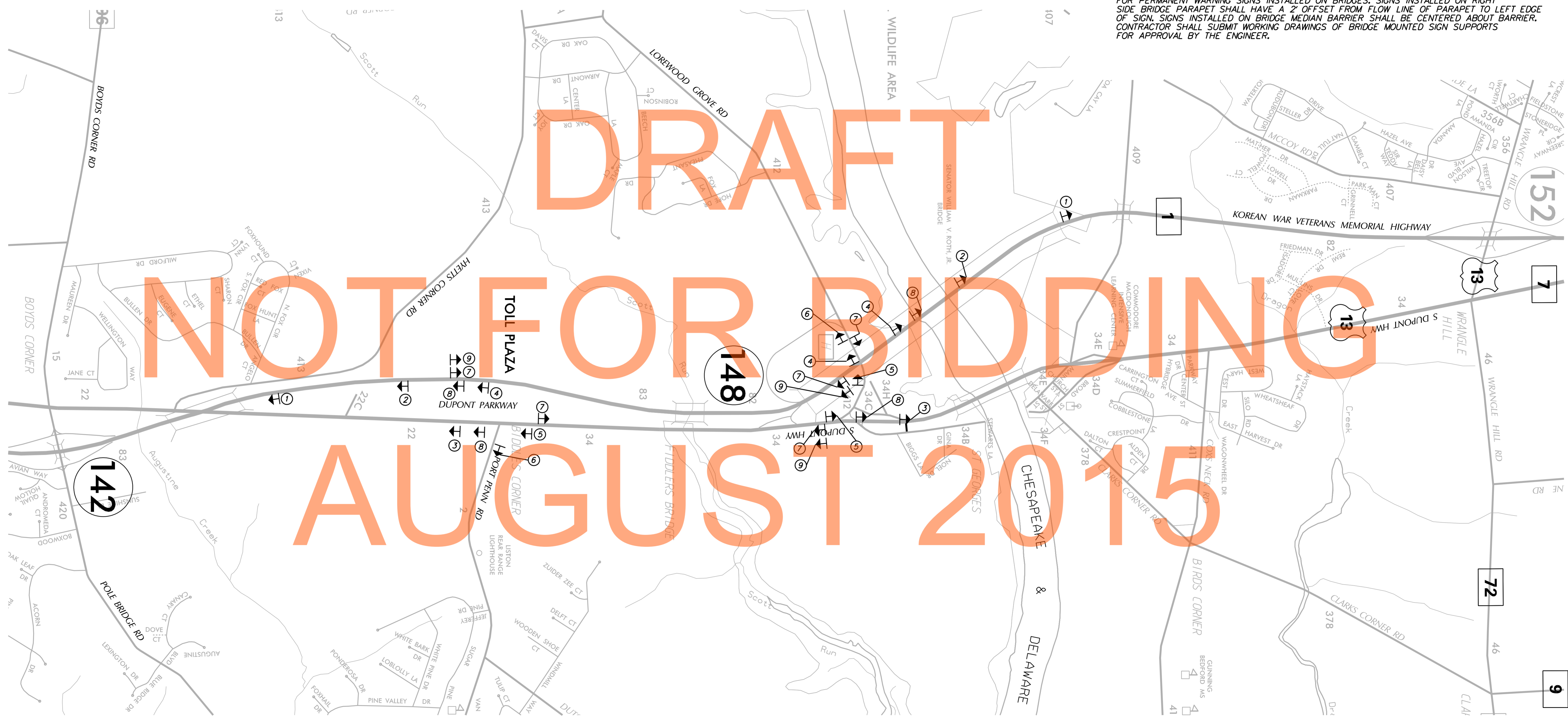
**NOT TO SCALE**

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

<b>GENERAL TRAFFIC CONTROL NOTES</b>	TCN-01
	SHEET NO.
	374
	TOTAL SHTS.
	491

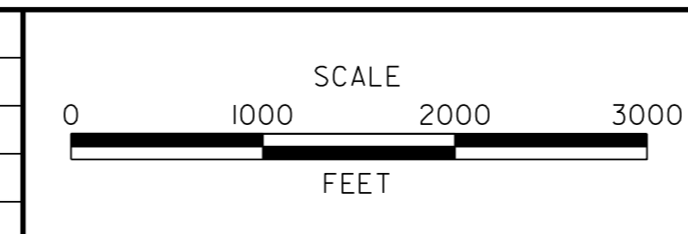


- NOTES:**
- SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF ADDITIONAL PERMANENT AND TEMPORARY WARNING SIGNS. LOCATION OF ALL PERMANENT WARNING SIGNS SHALL BE COORDINATED WITH THE ENGINEER.
  - ANY EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED, AS DIRECTED BY THE ENGINEER.
  - ALL PERMANENT WARNING SIGNS SHALL BE POST MOUNTED ON NCHRP REPORT 350 APPROVED BREAKAWAY SUPPORTS UNLESS OTHERWISE NOTED ON THESE PLANS, AS DIRECTED BY THE ENGINEER, OR ONE OF THE FOLLOWING CONDITIONS APPLY:
    - A UTILITY CONFLICT EXISTS THAT PREVENTS THE BREAKAWAY SUPPORTS FROM BEING DRIVEN INTO THE GROUND (ALL UTILITY CONFLICTS MUST BE VERIFIED BY THE INSPECTOR), OR
    - MATERIAL OTHER THAN COMMON EARTH, SUCH AS CONCRETE, HOT MIX ASPHALT, BRICK, ETC. PREVENTS DRIVING THE POSTS AND SUPPORTS INTO THE GROUND.
  - ALL SIGNS ON SR 1 AND US 13 SHALL BE POSTED IN THE MEDIAN AND THE RIGHT EDGE OF ROADWAY.
  - CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY BRIDGE MOUNTED SIGN SUPPORTS FOR PERMANENT WARNING SIGNS INSTALLED ON BRIDGES. SIGNS INSTALLED ON RIGHT SIDE BRIDGE PARAPET SHALL HAVE A 2' OFFSET FROM FLOW LINE OF PARAPET TO LEFT EDGE OF SIGN. SIGNS INSTALLED ON BRIDGE MEDIAN BARRIER SHALL BE CENTERED ABOUT BARRIER. CONTRACTOR SHALL SUBMIT WORKING DRAWINGS OF BRIDGE MOUNTED SIGN SUPPORTS FOR APPROVAL BY THE ENGINEER.



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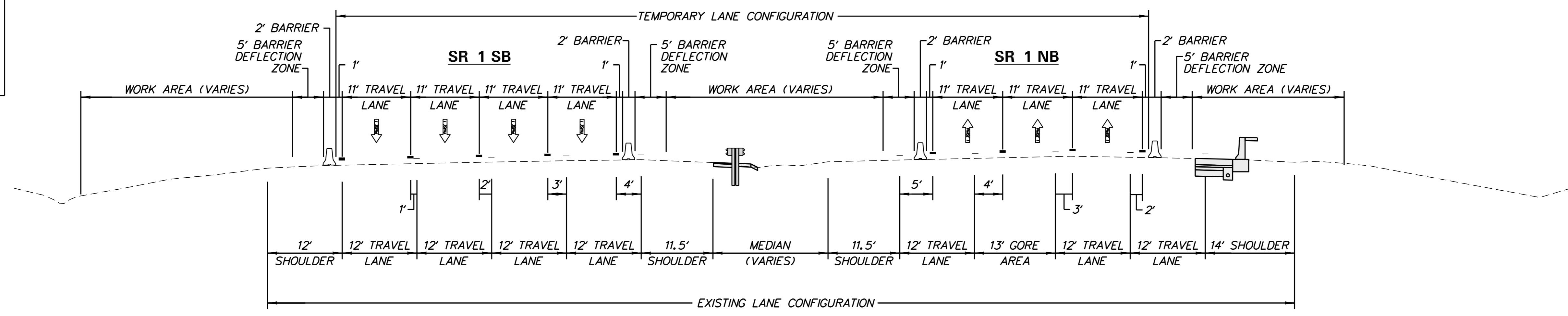
**US 301 & SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

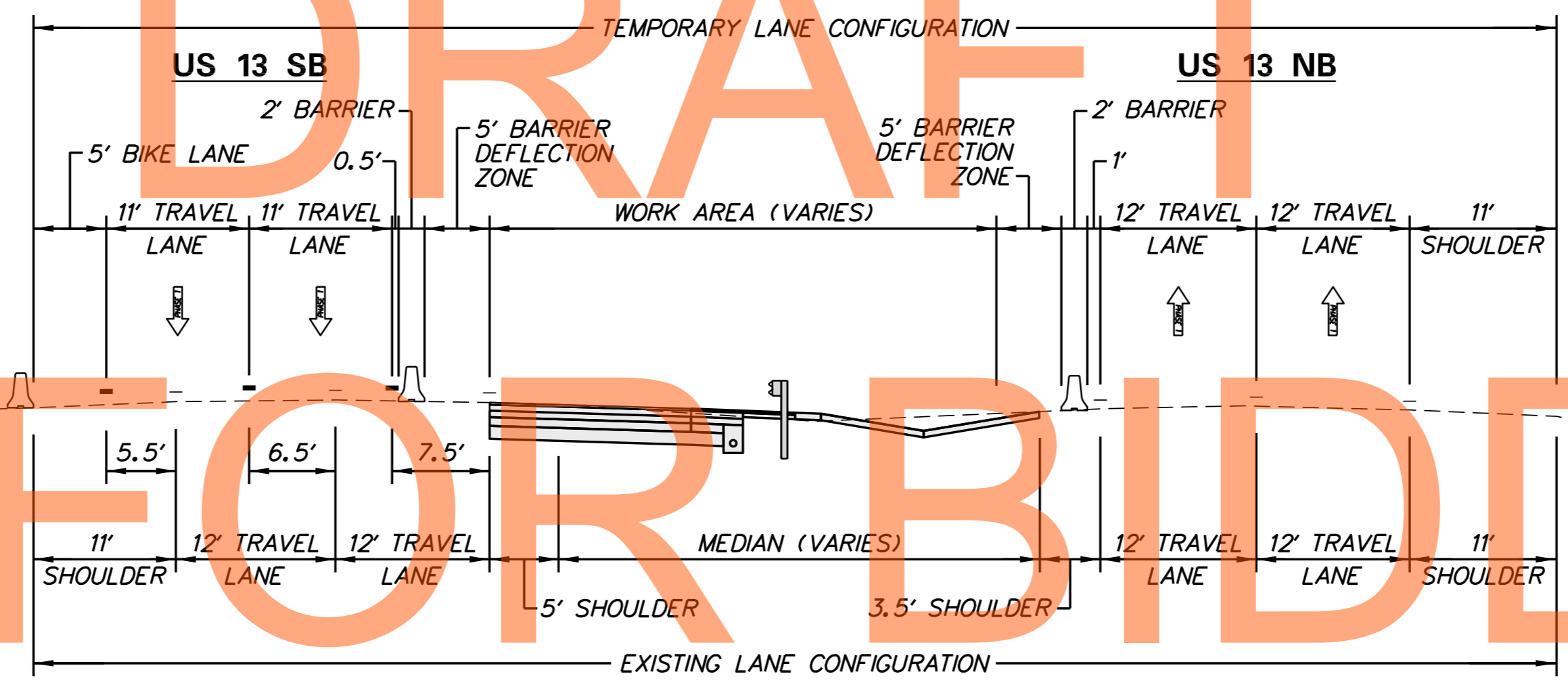
**PERMANENT WARNING SIGN LOCATION PLAN**

CS-01	SHEET NO.
	375
	TOTAL SHTS.
	491

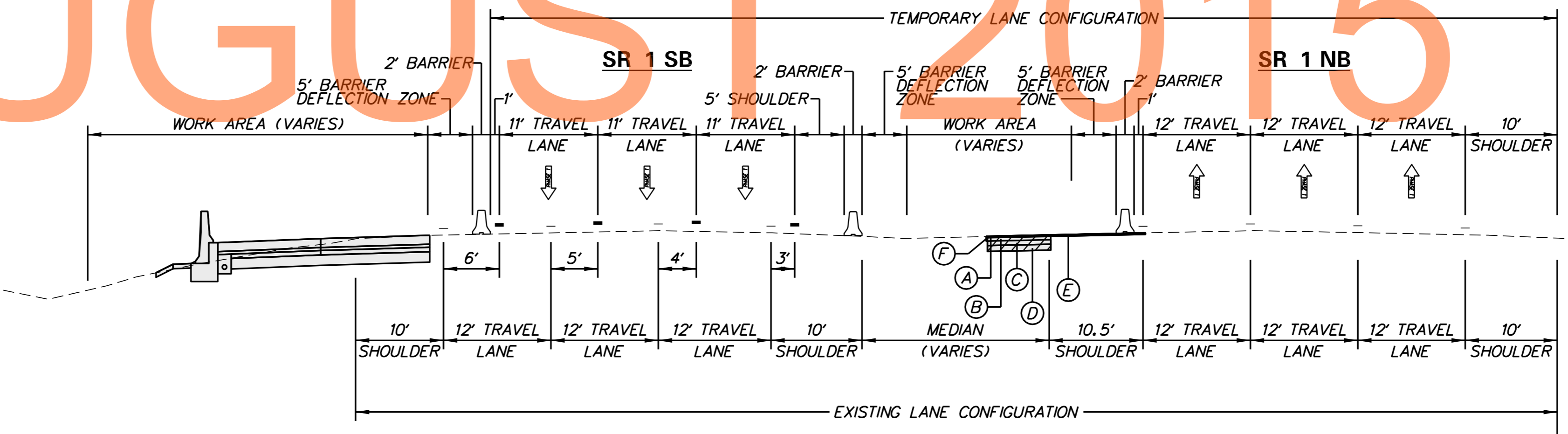
CONSTRUCTION PHASING TYPICAL SECTIONS LEGEND	
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	EXISTING PAVEMENT MARKING
	TEMPORARY PAVEMENT MARKING
	PROPOSED CONSTRUCTION THIS PHASE
	TEMPORARY CONSTRUCTION
	TRAFFIC FLOW ARROW



SECTION A-A' - PHASES 1 AND 2 (SR 1 Sta. 1791+00)



SECTION B-B' - PHASE 1 (US 13 Sta. 158+00)



SECTION C-C' - PHASE 1 (SR 1 Sta. 1817+00)

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AUGUST 2015

**NOTES:**  
1. THE 4.5" SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 70-22 (NON-CARBONATE STONE), 2" LAYER SHALL BE PLACED IN TWO LIFTS, GREATER THAN 2.25" AND LESS THAN 3".

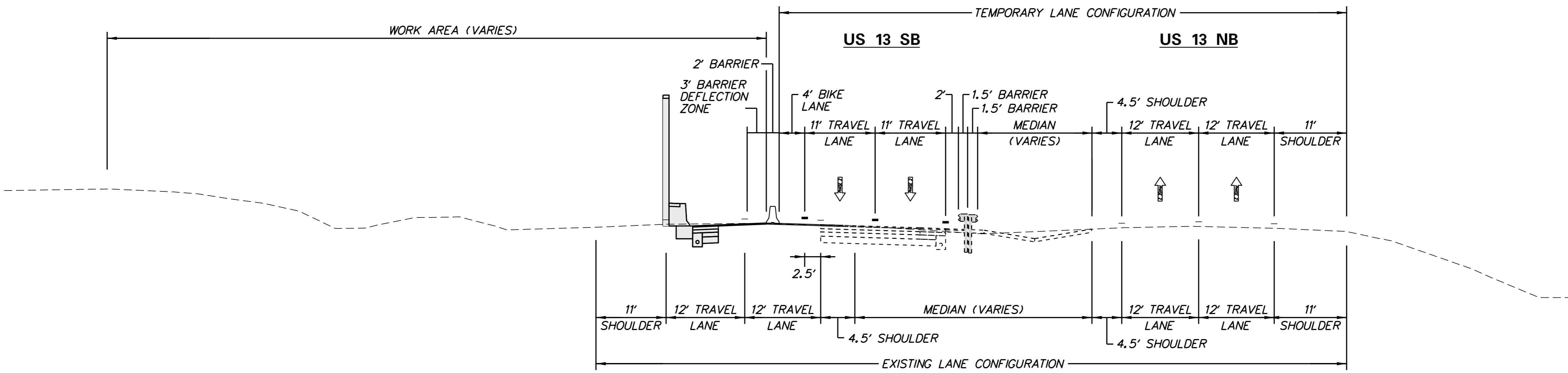
TEMPORARY PAVING LEGEND	
(A)	ITEM 401708 - SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE), 2"
(B)	ITEM 401654 - SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 70-22, 4.5"
(C)	ITEM 401663 - SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, 6"
(D)	ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B, 8"
(E)	ITEM 401708 - SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE) WEDGE, VARIABLE DEPTH
(F)	ITEM 732002 - TOPSOIL, 6" DEPTH ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND ITEM 735534 - SOIL RETENTION BLANKET MULCH, TYPE 4, SLOPES FLATTER THAN 3:1

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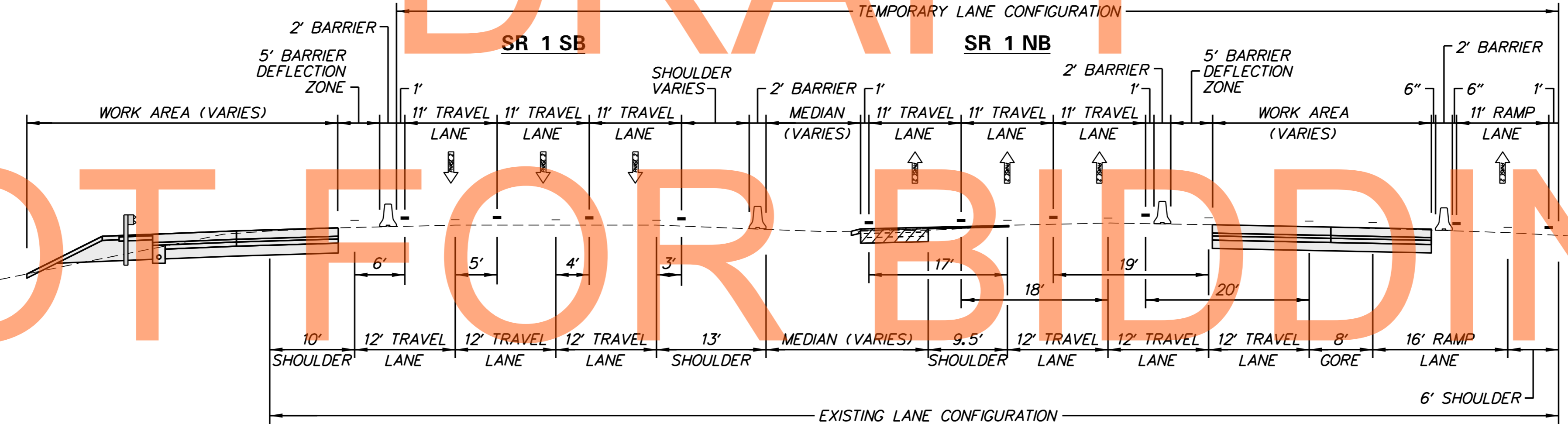
 <b>DELAWARE</b> DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	US 301 & SR 1 INTERCHANGE	CONTRACT	BRIDGE NO.	CONSTRUCTION PHASING TYPICAL SECTIONS	SHEET NO.
	T200911302				DESIGNED BY: J.D.C.		376
	COUNTY			NEW CASTLE	CHECKED BY: J.M.M.		TOTAL SHTS.
							491

**CONSTRUCTION PHASING  
TYPICAL SECTIONS LEGEND**

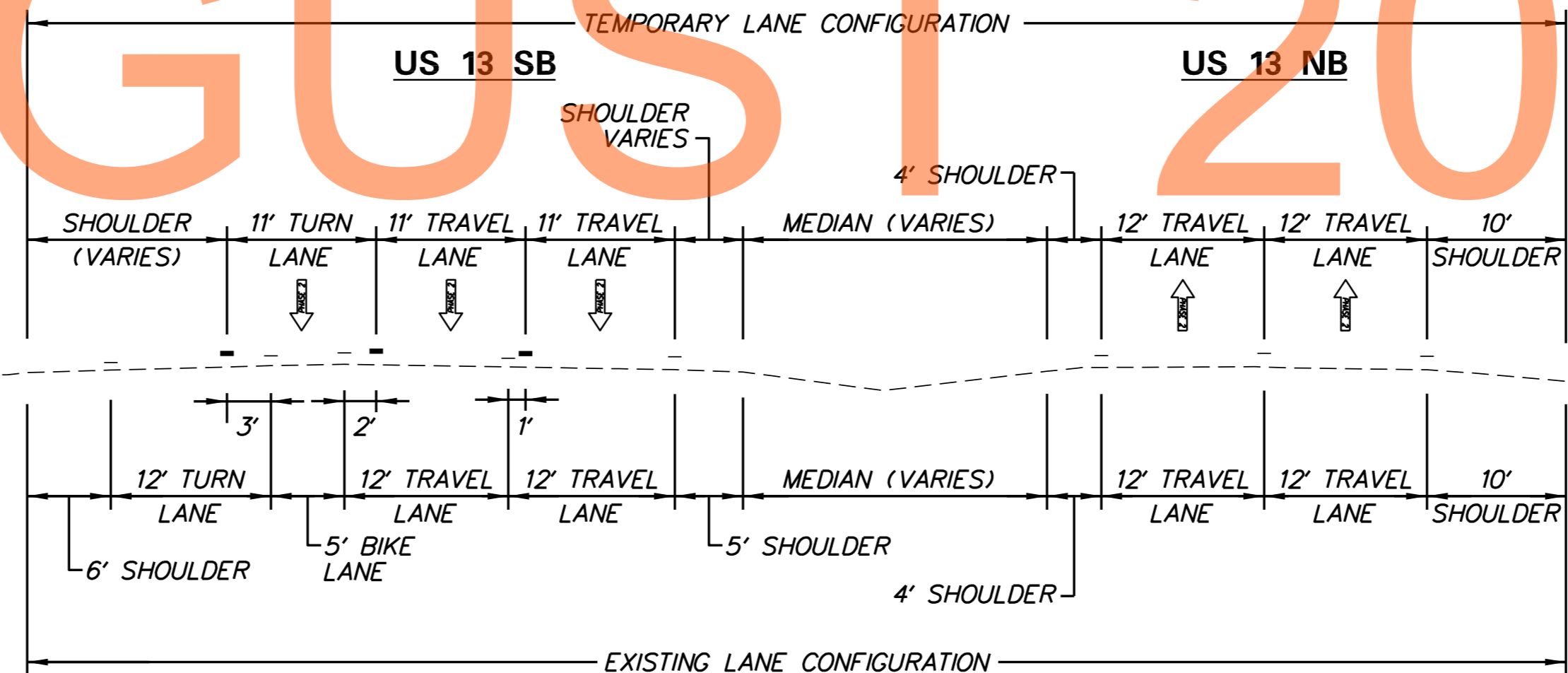
- PORTABLE P.C.C. SAFETY BARRIER (I-SHAPE)
- EXISTING PAVEMENT MARKING
- TEMPORARY PAVEMENT MARKING
- PROPOSED CONSTRUCTION THIS PHASE
- TEMPORARY CONSTRUCTION
- TRAFFIC FLOW ARROW



**SECTION D'-D' - PHASE 2 (US 13 Sta. 158+00)**



**SECTION E'-E' - PHASE 2 (SR 1 Sta. 1820+00)**



**SECTION F'-F' - PHASES 2 AND 2A (US 13 Sta. 181+00)**

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AUGUST 2015

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ADDENDUMS / REVISIONS	

**NOT TO SCALE**





**US 301 & SR 1 INTERCHANGE**

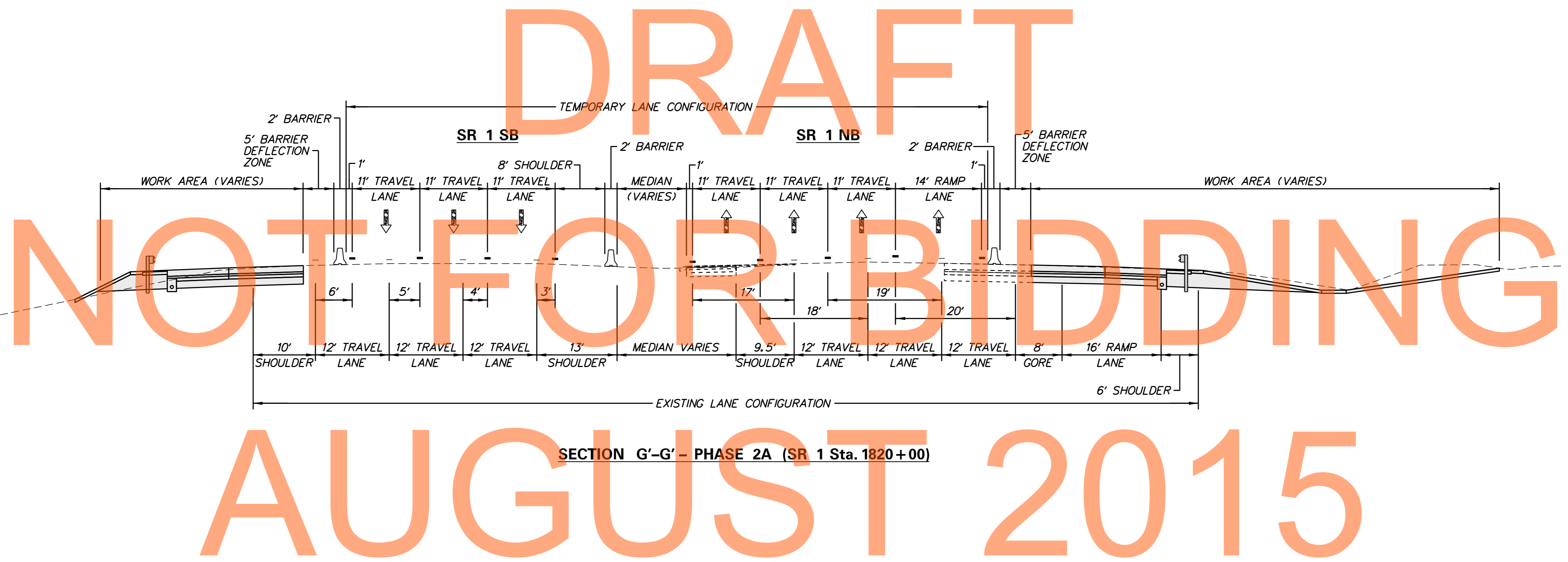
CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING  
TYPICAL SECTIONS**

CS-03
SHEET NO.
377
TOTAL SHTS.
491

**CONSTRUCTION PHASING  
TYPICAL SECTIONS LEGEND**

-  PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- EXISTING PAVEMENT MARKING
- TEMPORARY PAVEMENT MARKING
-  PROPOSED CONSTRUCTION THIS PHASE
-  TEMPORARY CONSTRUCTION
-  TRAFFIC FLOW ARROW



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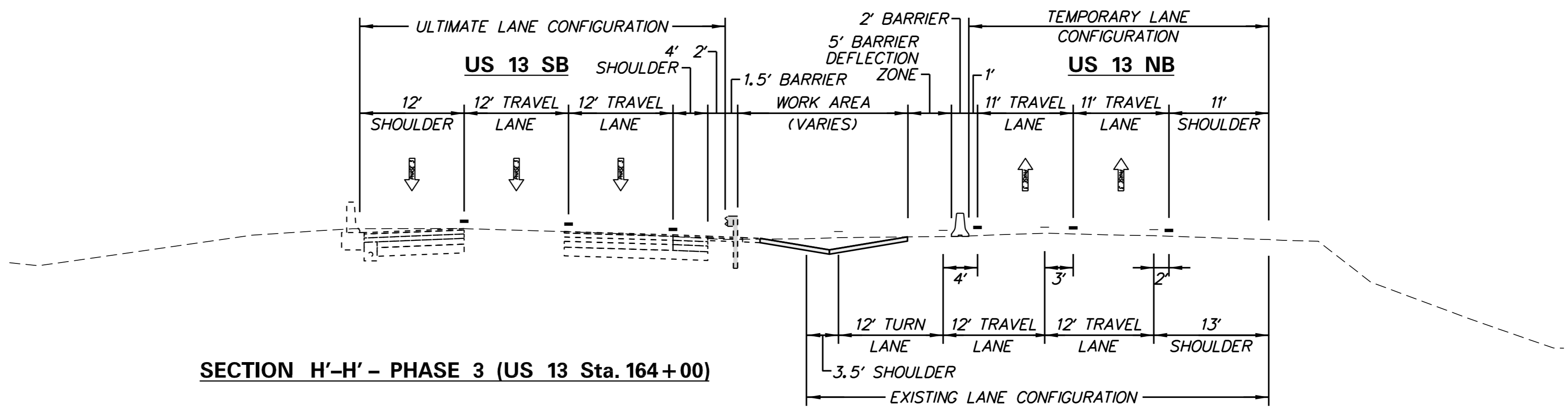
**US 301 &  
SR 1 INTERCHANGE**

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

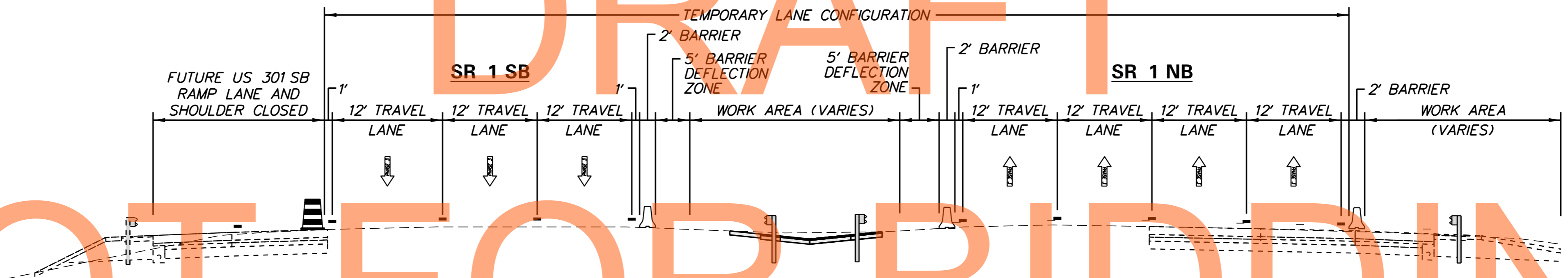
**CONSTRUCTION PHASING  
TYPICAL SECTIONS**

CS-04
SHEET NO. 378
TOTAL SHTS. 491

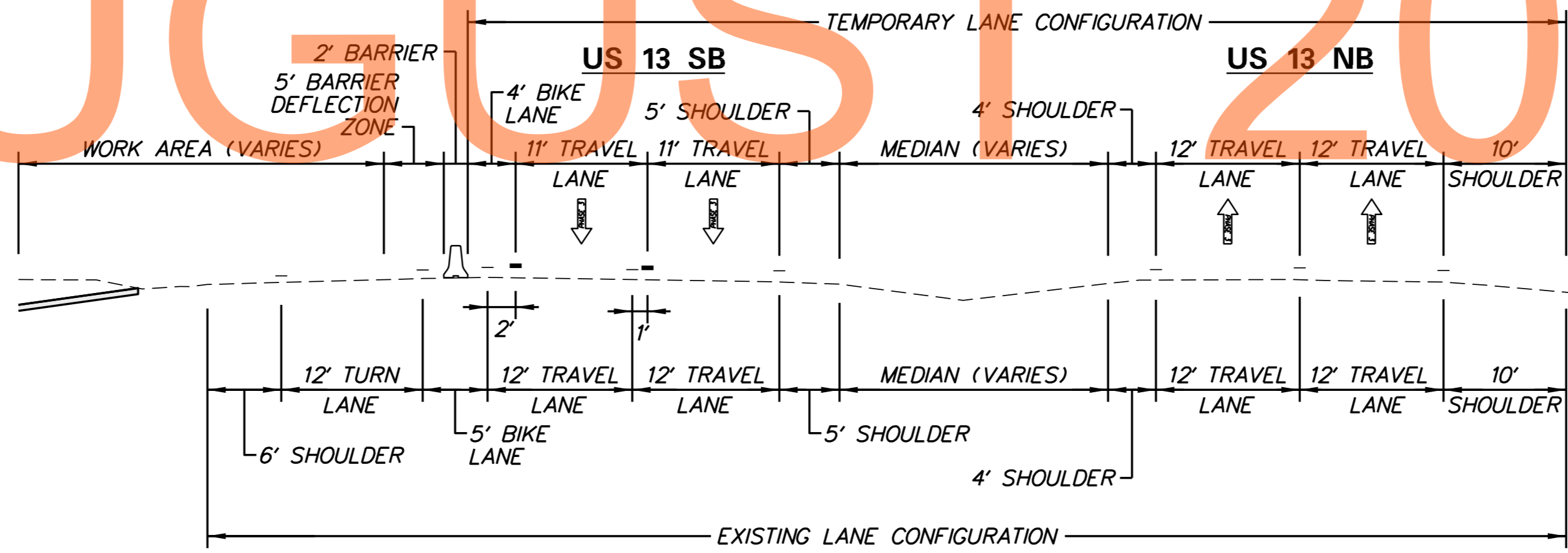
CONSTRUCTION PHASING TYPICAL SECTIONS LEGEND	
	PORTABLE P.C.C. SAFETY BARRIER (I-SHAPE)
	EXISTING PAVEMENT MARKING
	TEMPORARY PAVEMENT MARKING
	PROPOSED CONSTRUCTION THIS PHASE
	TEMPORARY CONSTRUCTION
	TRAFFIC FLOW ARROW



SECTION H'-H' - PHASE 3 (US 13 Sta. 164+00)



SECTION I'-I' - PHASE 3 (SR 1 Sta. 1820+00)



SECTION J'-J' - PHASE 3 (US 13 Sta. 181+00)

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AUGUST 2015

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ADDENDUMS / REVISIONS	

**NOT TO SCALE**

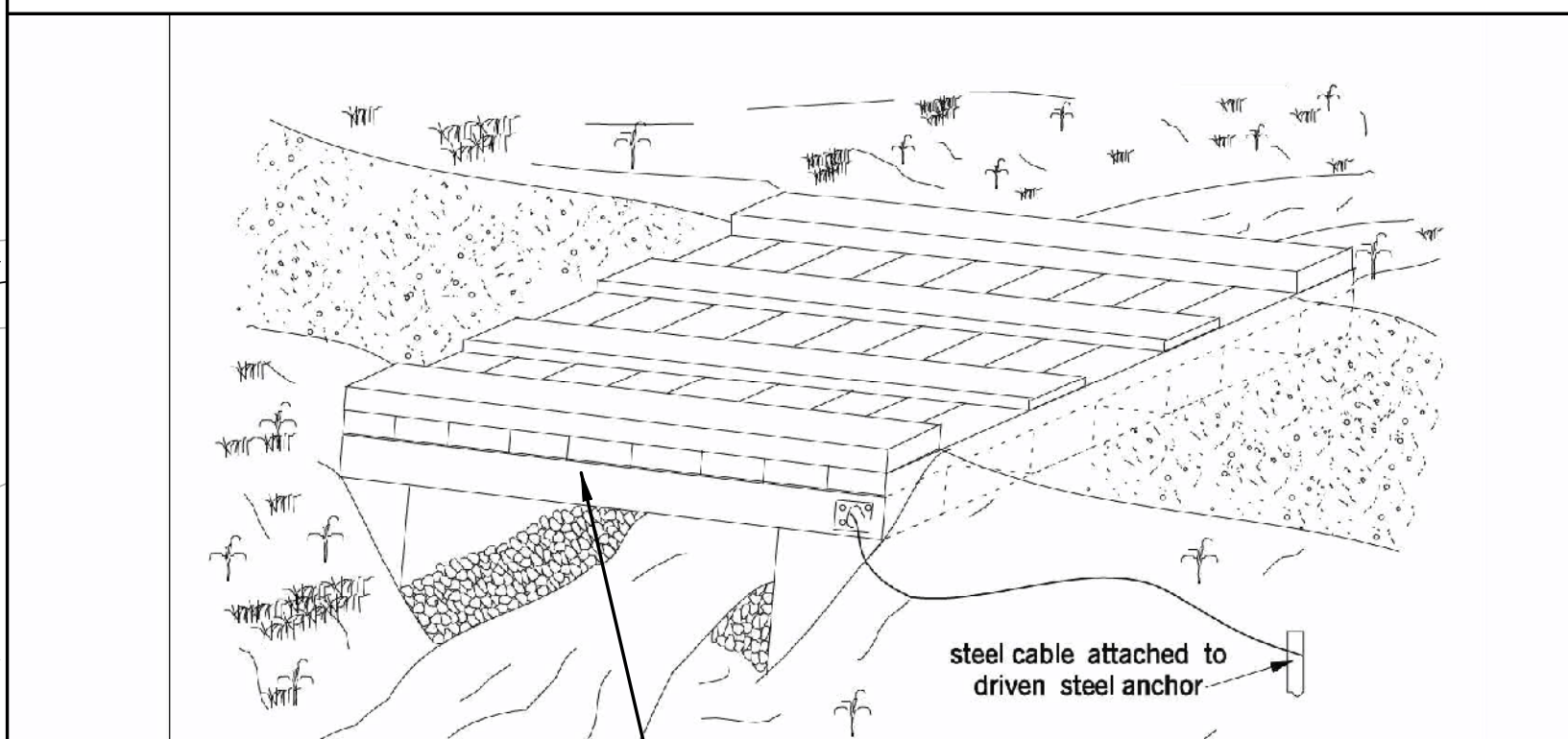
**US 301 &  
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING  
TYPICAL SECTIONS**

CS-05
SHEET NO. 379
TOTAL SHTS. 491

**DETAIL: TEMPORARY STREAM CROSSING FOR HAUL ROAD**



COST OF TEMPORARY CROSSING SHALL BE INCIDENTAL TO COST OF WETLAND ACCESS ROAD, TYPE II. WETLAND ACCESS ROAD, TYPE II AT THIS LOCATION SHALL BE PAID FOR AS SEPARATE ITEM NO. 202508.

**TEMPORARY STREAM CROSSING - CONSTRUCTION NOTES**

1. THE TEMPORARY CROSSING FOR HAUL ROAD ACTIVITIES SHALL BE CONSTRUCTED PER DETAIL AND NOTES. THE CONTRACTOR SHALL NOT ACCESS THE STREAM, IMPACT THE STREAM, NOR CHANGE THE STREAM PROFILE DURING CONSTRUCTION ACTIVITIES.
2. ABUTMENTS SHALL BE PLACED PARALLEL TO, AND ON, STABLE BANKS SUCH THAT THE BOTTOM OF THE STRUCTURE IS AT OR ABOVE MINIMUM TOP WIDTH ELEVATION PER CONTRACT SPECIAL PROVISIONS.
3. TEMPORARY ACCESS BRIDGE SHOULD BE CONSTRUCTED TO SPAN THE ENTIRE CHANNEL (OHW/WL). IF THE BANKFULL CHANNEL WIDTH EXCEEDS 8 FEET, THEN A FOOTING, PIER, OR OTHER SUPPORT MAY BE CONSTRUCTED WITHIN THE WATERWAY. NO SUPPORT WILL BE PERMITTED WITHIN THE CHANNEL FOR WATERWAYS LESS THAN 8 FEET WIDE. ONE ADDITIONAL BRIDGE SUPPORT WILL BE PERMITTED FOR EACH ADDITIONAL 8-FOOT WIDTH OF CHANNEL.
4. ALL DECKING MEMBERS SHOULD BE PLACED PERPENDICULARLY TO THE STRINGERS, BUTTED TIGHTLY, AND SECURELY FASTENED TO THE STRINGERS. DECKING MATERIALS MUST BE BUTTED TIGHTLY TO PREVENT ANY SOIL MATERIAL TRACKED ONTO THE BRIDGE FROM FALLING INTO THE WATERWAY.
5. ALTHOUGH RUN PLANKS ARE OPTIONAL, THEY MAY BE NECESSARY TO PROPERLY DISTRIBUTE LOADS. ONE RUN PLANK SHOULD BE PROVIDED FOR EACH TRACK OF THE EQUIPMENT WHEELS AND SHOULD BE SECURELY FASTENED TO THE LENGTH OF THE SPAN.
6. CURBS OR FENDERS MAY BE INSTALLED ALONG THE OUTER SIDES OF THE DECK TO PROVIDE ADDITIONAL SAFETY.
7. BRIDGE SHOULD BE SECURELY ANCHORED AT ONE END USING A STEEL CABLE OR CHAIN TO PREVENT THE BRIDGE FROM FLOATING DOWNSTREAM AND POSSIBLY CAUSING AN OBSTRUCTION TO THE FLOW. ANCHORING AT ONLY ONE END WILL PREVENT CHANNEL OBSTRUCTION IN THE EVENT THAT FLOOD WATERS FLOAT THE BRIDGE. ACCEPTABLE ANCHORS ARE LARGE TREES, BOULDERS, OR DRIVEN STEEL ANCHORS.
8. ALL AREAS DISTURBED DURING INSTALLATION SHALL BE STABILIZED WITHIN 14 CALENDAR DAYS OF REMOVAL.
9. INSPECTION AND MAINTENANCE SHALL BE PERFORMED ON A DAILY BASIS AND AFTER ALL STORM EVENTS TO ENSURE THAT THE STRUCTURE COMPLIES WITH ALL STANDARDS AND SPECIFICATIONS. THIS INCLUDES BRIDGE AND STREAMBANK STABILITY AND REMOVAL OF TRAPPED SEDIMENT AND DEBRIS WHICH SHALL BE DISPOSED OF IN A STABILIZED AREA OUTSIDE OF THE FLOODPLAIN.
10. REMOVAL OF THE TEMPORARY BRIDGE SHALL INCLUDE ALL BRIDGE MATERIALS AND STRUCTURES WITHIN 14 CALENDAR DAYS OF START OF DEMOLITION. AREAS DISTURBED IN THE PROCESS SHALL BE PERMANENTLY STABILIZED PER NOTE THIS SHEET AND PER ENVIRONMENTAL COMPLIANCE GUIDELINES OF THE CONTRACT DOCUMENTS.

**NOTES:**

1. REINFORCED SILT FENCE SHALL BE INSTALLED ALONG BOTH SIDES OF THE PROPOSED HAUL ROAD AND THE PROPOSED ACCESS ROAD IN 200-FOOT LENGTHS WITH THE DOWNSTREAM-MOST 10-FOOT OF EACH LENGTH TURNED UP SLOPE TOWARD THE ROAD.
2. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED FOR INGRESS AND EGRESS AT HYEYTS CORNER ROAD.
3. THE COST OF INSTALLATION AND MAINTENANCE ALL DEVICES FOR EROSION AND SEDIMENT CONTROL, MAINTENANCE OF STREAMFLOW, AND TEMPORARY CROSSING OF STREAM SHALL BE INCIDENTAL TO THE COST OF THE WETLAND ACCESS ROAD, TYPE II FOR HAUL ROAD.

CONTRACTOR SHALL COORDINATE PROPOSED ACCESS ROAD CONSTRUCTION WITH ADJUSTMENT OF CONTRACT 1A EROSION AND SEDIMENT CONTROLS.

BORROW SITE VILLAGE OF SCOTT RUN EAST - NO MATCHLINE INDICATED INFORMATION FOR EROSION AND SEDIMENT CONTROL DEVICES SHOWN HEREON ARE LOCATED ON THE BORROW SITE GRADING PLAN FOR VILLAGE OF SCOTT RUN EAST, SHEET GR-01. CONSTRUCTION ACTIVITIES ON THE GRADING SHEET SHALL ALSO BE COORDINATED WITH THIS SHEET.

LIMIT CONTRACT T200911302

LIMIT CONTRACT T200911302

MATCH LINE LL - SEE DWG. CS-102

MATCH LINE STA 848+00 - SEE DWG. CS-102

SEE NOTES 1 AND 2 FOR HAUL ROAD EROSION AND SEDIMENT CONTROL REQUIREMENTS

SEE NOTE 2

WETLAND ACCESS ROAD

CONTRACTOR SHALL CONSTRUCT A TEMPORARY CROSSING OF STREAM ALONG HAUL ROAD, PER CONTRACT SPECIAL PROVISIONS FOR WETLAND ACCESS ROAD, TYPE II. SEE MINIMUM SIZING CRITERION THIS SHEET.

SEE NOTES 1 AND 2 FOR HAUL ROAD EROSION AND SEDIMENT CONTROL REQUIREMENTS

SIZING OF HYDRAULIC OPENING OF TEMPORARY CROSSING	
MINIMUM AREA REQUIRED:	40.0 SF
MINIMUM TOP WIDTH ELEVATION:	28.0

ACCESS ROAD	
TYPE	S. Y.
WETLAND ACCESS ROAD	425
COMPUTED FLOWRATE	
STORM EVENT	CFS
2-YEAR	100 +/-

CS-101
SHEET NO.
380
TOTAL SHTS.
491

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING LEGEND**

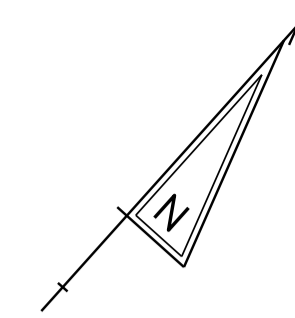
- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE I**

- 1. CONSTRUCT FULL DEPTH PAVEMENT FOR US 301.
- 2. MAINTAIN HAUL ROAD.
- 3. STABILIZE ALL DISTURBED AREAS.

**NOTES:**

1. PHASE 1 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF PIPE CULVERTS, AS NECESSARY, TO ENSURE CONVEYANCE OF ALL PROPOSED DITCHES BENEATH HAUL ROAD.



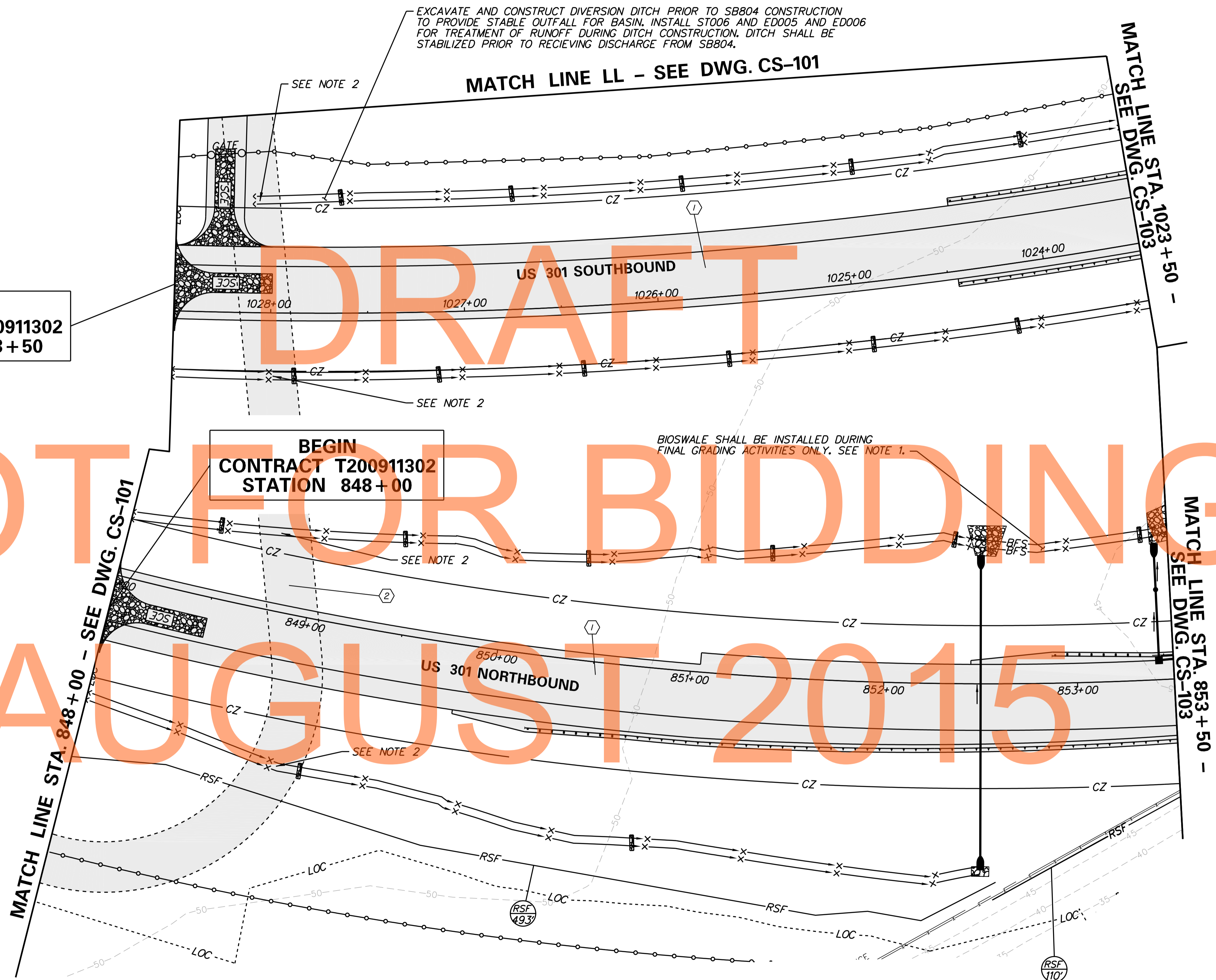
**BEGIN  
CONTRACT T200911302  
STATION 1028+50**

**BEGIN  
CONTRACT T200911302  
STATION 848+00**

EXCAVATE AND CONSTRUCT DIVERSION DITCH PRIOR TO SB804 CONSTRUCTION TO PROVIDE STABLE OUTFALL FOR BASIN. INSTALL ST006 AND EDD005 AND EDD006 FOR TREATMENT OF RUNOFF DURING DITCH CONSTRUCTION. DITCH SHALL BE STABILIZED PRIOR TO RECEIVING DISCHARGE FROM SB804.

BIOSWALE SHALL BE INSTALLED DURING FINAL GRADING ACTIVITIES ONLY. SEE NOTE 1.

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AUGUST 2015



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ADDENDUMS / REVISIONS	



**US 301 &  
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 1**

CS-102
SHEET NO. 381
TOTAL SHTS. 491



SEQUENCE OF CONSTRUCTION - PHASE I

- 1 PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR1 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES.
- 2 RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, DWG. NOS. SS-01 THROUGH SS-07.
- 3 CONSTRUCT FULL DEPTH PAVEMENT FOR US 301.
- 4 CONSTRUCT BRIDGE ABUTMENT, FOOTER, PIER, CONCRETE BARRIER AND GUARDRAIL.
- 5 DETOUR SR 1 SOUTHBOUND TRAFFIC AS SHOWN ON DETOUR PLANS DURING HOURS SPECIFIED ON DWG. NO. TCN-01 FOR BRIDGE GIRDER AND STRADDLE BENT CONSTRUCTION AND OTHER SELECT BRIDGE CONSTRUCTION ACTIVITIES OVER SR 1 SOUTHBOUND, AS DIRECTED BY THE ENGINEER.
- 6 STABILIZE ALL DISTURBED AREAS.

NOTES:

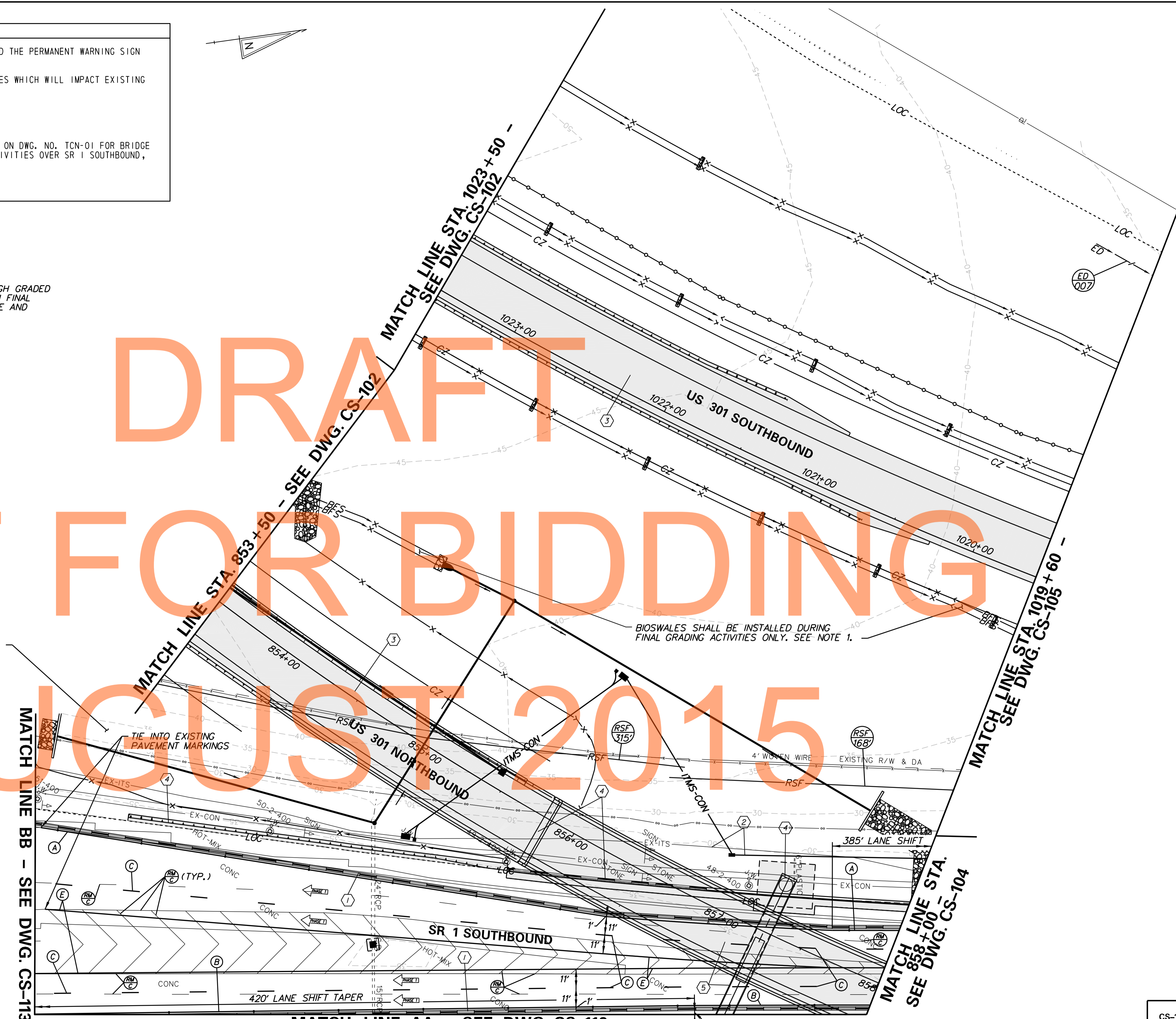
1. PHASE 1 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
007	1020+02	1018+04	195.88	206'	B-3

MAINTAIN FLOW FROM SOUTH IN EXISTING DITCH DURING SB804 CONSTRUCTION. INSTALL RSF AT TOP OF BANK, EXISTING DITCH PER PLANS, PRIOR TO EXCAVATING FOR SB804. UPON COMPLETION OF SB804, RUNOFF FROM THE DITCH AND OTHER UPSTREAM AREAS MAY BE DIRECTED INTO THE BASIN VIA PROPOSED STORM DRAIN SYSTEMS OR DITCH. RSF MAY BE REMOVED UPON BASIN COMPLETION.

BIOSWALES SHALL BE INSTALLED DURING FINAL GRADING ACTIVITIES ONLY. SEE NOTE 1.

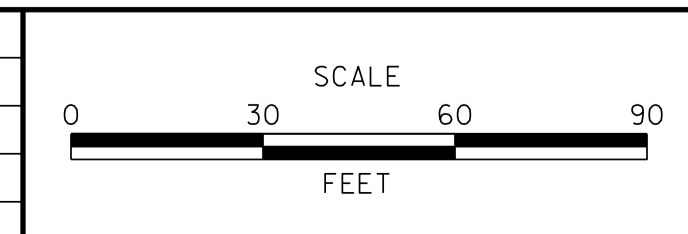
CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (IF SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR



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AUGUST 2015

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ADDENDUMS / REVISIONS



US 301 & SR 1 INTERCHANGE

CONTRACT T200911302	BRIDGE NO. BR1-433
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

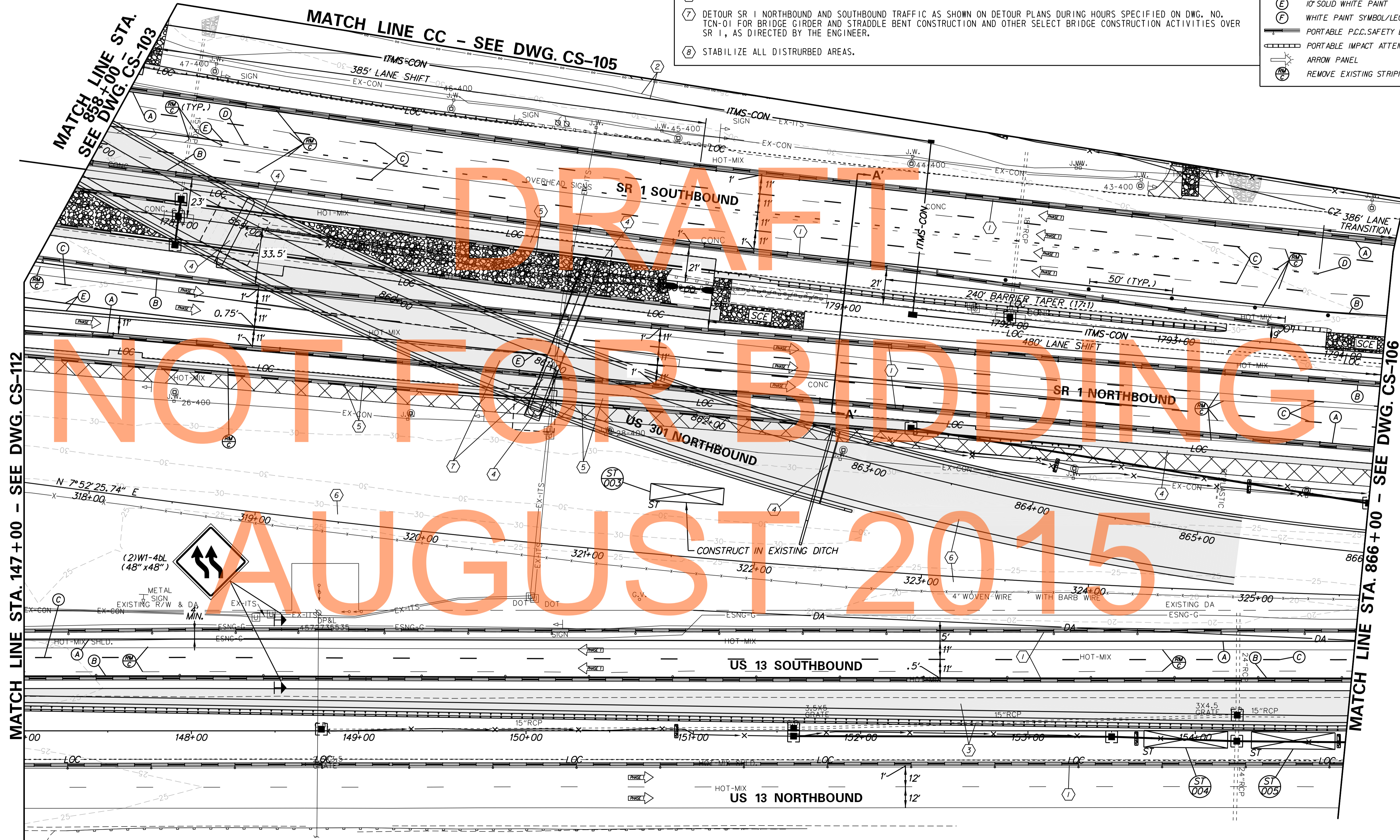
CS-103
SHEET NO. 382
TOTAL SHTS. 491

SEDIMENT TRAP SCHEDULE										
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.	
003	2.87 AC	167'	10'	4.00'	STONE	31.00	26.00	11'	30.00	
004	1.43 AC	153'	8'	3.00'	STONE	22.00	20.00	6'	23.00	
005	0.95 AC	169'	8'	3.00'	STONE	22.00	20.00	4'	23.00	

SEQUENCE OF CONSTRUCTION - PHASE I

- PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 NORTHBOUND AND SOUTHBOUND TRAFFIC AND US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN US 13 NORTHBOUND TRAFFIC ON EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR THE DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING AND CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, DWG. NOS. SS-01 THROUGH SS-07.
- CONSTRUCT FULL DEPTH PAVEMENT AND GUARD RAIL ALONG LEFT SIDE OF US 13 SOUTHBOUND.
- CONSTRUCT BRIDGE ABUTMENT, FOOTERS AND PIERS.
- CONSTRUCT CONCRETE BARRIER AND FULL DEPTH PAVEMENT ALONG SR 1.
- BEGIN ROUGH GRADING FOR RAMP R AND US 301 NORTHBOUND.
- DETOUR SR 1 NORTHBOUND AND SOUTHBOUND TRAFFIC AS SHOWN ON DETOUR PLANS DURING HOURS SPECIFIED ON DWG. NO. TCN-01 FOR BRIDGE GIRDER AND STRADDLE BENT CONSTRUCTION AND OTHER SELECT BRIDGE CONSTRUCTION ACTIVITIES OVER SR 1, AS DIRECTED BY THE ENGINEER.
- STABILIZE ALL DISTURBED AREAS.

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

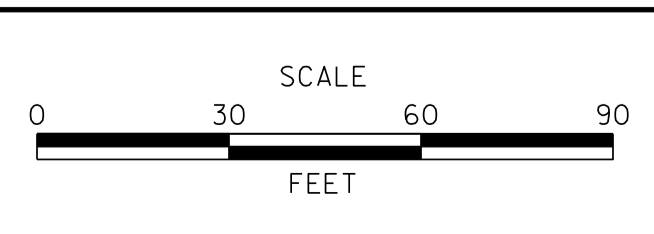


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AUGUST 2015

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ADDENDUMS / REVISIONS



**US 301 & SR 1 INTERCHANGE**

CONTRACT	T200911302	BRIDGE NO.	BR1-433 & RW1-3
COUNTY	NEW CASTLE	DESIGNED BY:	J.D.C.
		CHECKED BY:	J.M.M.

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1**

CS-104	
SHEET NO.	383
TOTAL SHTS.	491

MATCH LINE - SEE THIS SHEET

EXCAVATE AND CONSTRUCT DIVERSION DITCH UPSTREAM TO ST011 LOCATION PRIOR TO SB755 CONSTRUCTION TO PROVIDE STABLE OUTFALL FOR BASIN. INSTALL ST006 AND ED005 AND ED006 FOR TREATMENT OF RUNOFF DURING DITCH CONSTRUCTION. UPON STABILIZATION OF UPSTREAM DITCH, ST006 MAY BE REMOVED. DITCH SHALL BE STABILIZED AND CHECK DAMS INSTALLED PRIOR TO RECEIVING DISCHARGE FROM SB755.

UPON DIVERSION DITCH INSTALLATION, SB755 SHALL BE COMPLETED DURING INITIAL PHASE 1 CONSTRUCTION ACTIVITIES, INCLUDING PRINCIPAL SPILLWAY CONSTRUCTION, PRIOR TO ANY SUBSEQUENT GRADING ACTIVITIES UPSTREAM. SEE ALL ASSOCIATED PLANS FOR SWM BMP 755 FOR DETAILS.

MATCH LINE - SEE THIS SHEET

NOTES:

1. PHASE 1 CONSTRUCTION AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.
2. EXCAVATE SB755 TO LINES AND GRADES SHOWN ON SHEET SW-01. OVEREXCAVATE THE BOTTOM OF POOLS 3 FEET FOR SEDIMENT STORAGE. UPON STABILIZATION OF UPSTREAM AREAS, CONVERT BASIN TO BMP 755. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS ON POND CONSTRUCTION AND CONVERSION.

UPON COMPLETION OF SB755, INSTALL ED007 DIVERTING OFFSITE RUNOFF INTO THE COMPLETED PORTION OF THE DIVERSION DITCH. INSTALL ST011 AND COMPLETE DIVERSION DITCH GRADING WORKING UPSTREAM.

BIOSWALES SHALL BE INSTALLED DURING FINAL GRADING ACTIVITIES ONLY. SEE NOTE 1.

BIOFILTRATION SWALES SHALL BE INSTALLED DURING FINAL GRADING ACTIVITIES ONLY. SEE NOTE 1.

MAINTAIN FLOW FROM SOUTH IN EXISTING DITCH DURING SB755 CONSTRUCTION. INSTALL RSF AT TOP OF EXISTING BANK PRIOR TO EXCAVATING FOR SB755. UPON COMPLETION OF SB755, RUNOFF FROM THE DITCH AND OTHER UPSTREAM AREAS MAY BE DIRECTED INTO THE BASIN VIA PROPOSED STORM DRAIN SYSTEMS OR DITCH. RSF MAY BE REMOVED UPON BASIN COMPLETION.

US 301 SOUTHBOUND

MATCH LINE CC - SEE DWG. CS-104

MATCH LINE DD - SEE DWG. CS-106

MATCH LINE SEE STA. 1012+55 DWG. CS-106

SEDIMENT BASIN SCHEDULE		
NO.	SB755	
DRAINAGE AREA, AC.		105.74
FACILITY AREA, AC.		1.55
REQUIRED STORAGE (Vs), CY		14169
CLEAN-OUT ELEV. (EL)		22.66
EMBANKMENT TOP WIDTH (TW), FT.		10.00
TOP OF EMBANKMENT ELEV. (TOB)		26.00
CREST OF EMERGENCY SPILLWAY ELEV.		23.00
EMERGENCY SPILLWAY DEPTH (D), FT.		3.00
EMERGENCY SPILLWAY WIDTH (B), FT.		15.00
SKIMMER ORIFICE DIAMETER	(4)	4"
SKIMMER ORIFICE INVERT		19.28

EARTH DIKE SCHEDULE*						
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE	
005	1014+44	1015+57	545.07	110'	A-4	
006	1013+30	1013+90	362.44	112'	A-4	

\*FOR INFORMATION ON ED-007 REFER SHEET CS-103.

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
006	2.80 AC	60'	25'	5.00	STONE	22.00	18.00	11'	23.00
011	9.27 AC	160'	36'	5.00	RIPRAP	25.00	22.65	12'	28.00

SEQUENCE OF CONSTRUCTION - PHASE I

1. CONSTRUCT FULL DEPTH PAVEMENT FOR US 301.
2. STABILIZE ALL DISTURBED AREAS.

CONSTRUCTION PHASING LEGEND

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10' SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

MATCH LINE STA. 1019+60 - SEE DWG. CS-103

NO. 17653-0000 CONTRACT 18\CADD\CS105\1301\_LB.dgn DWG. 1/2/22 TRS/ST/AM



ADDENDUMS / REVISIONS



US 301 & SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

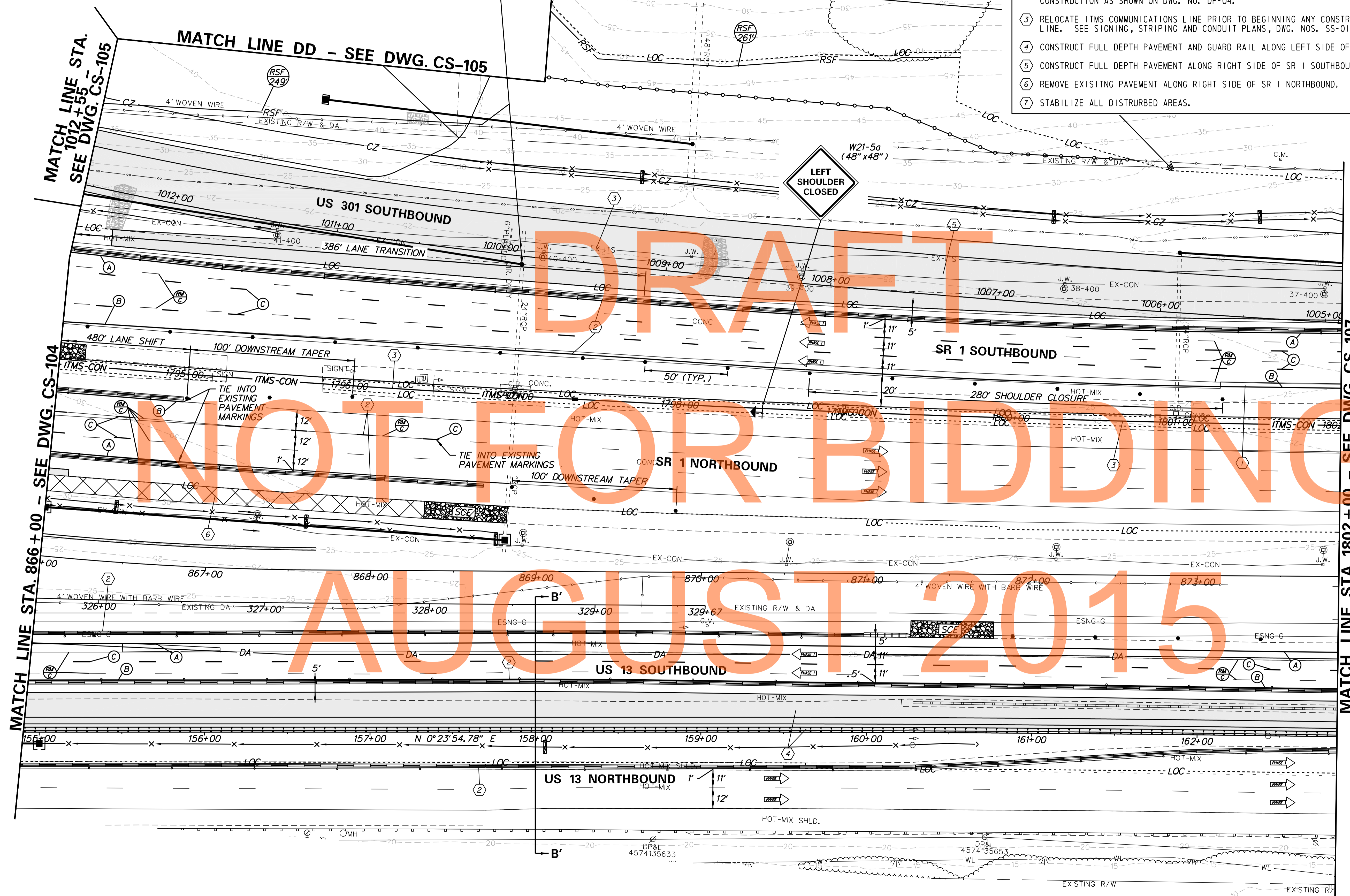
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

CS-105	SHEET NO.
	384
	TOTAL SHTS.
	498

SEQUENCE OF CONSTRUCTION - PHASE I

- ① USING TYPICAL APPLICATION 33, REMOVE EXISTING RUMBLE STRIPS ALONG THE LEFT SIDE OF SR 1 SOUTHBOUND FROM STA. 1801+25 TO STA. 1833+75 BY MILLING A 2" DEEP BY 4 FEET WIDE SECTION OF THE EXISTING SHOULDER PAVEMENT. REPLACE MILLED PAVEMENT WITH A 2" COURSE OF SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE) FOR TRAFFIC USE UNDER TEMPORARY LANE CONFIGURATION.
- ② PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 NORTHBOUND AND SOUTHBOUND AND US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN US 13 NORTHBOUND TRAFFIC ON EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- ③ RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, DWG. NOS. SS-01 THROUGH SS-07.
- ④ CONSTRUCT FULL DEPTH PAVEMENT AND GUARD RAIL ALONG LEFT SIDE OF US 13 SOUTHBOUND.
- ⑤ CONSTRUCT FULL DEPTH PAVEMENT ALONG RIGHT SIDE OF SR 1 SOUTHBOUND.
- ⑥ REMOVE EXISTING PAVEMENT ALONG RIGHT SIDE OF SR 1 NORTHBOUND.
- ⑦ STABILIZE ALL DISTURBED AREAS.

MAKE CONNECTION TO EXISTING STORM DRAIN SYSTEM PRIOR TO INSTALLATION OF ST007 AND TO ANY SUBSEQUENT GRADING ACTIVITIES TO THE NORTH.



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MATCH LINE STA. 1802+00 - SEE DWG. CS-107

MATCH LINE STA. 1012+55 - SEE DWG. CS-105

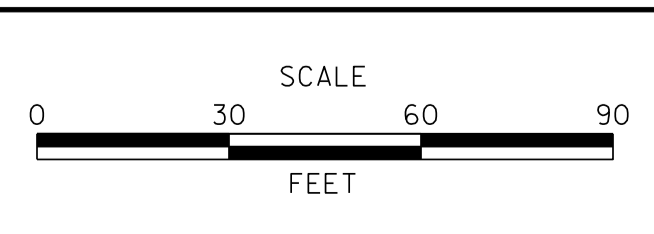
MATCH LINE DD - SEE DWG. CS-105

MATCH LINE STA. 866+00 - SEE DWG. CS-104

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

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ADDENDUMS / REVISIONS



**US 301 & SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

<b>CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1</b>	SHEET NO. 385
	TOTAL SHTS. 491
	CS-106

**CONSTRUCTION PHASING LEGEND**

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE I**

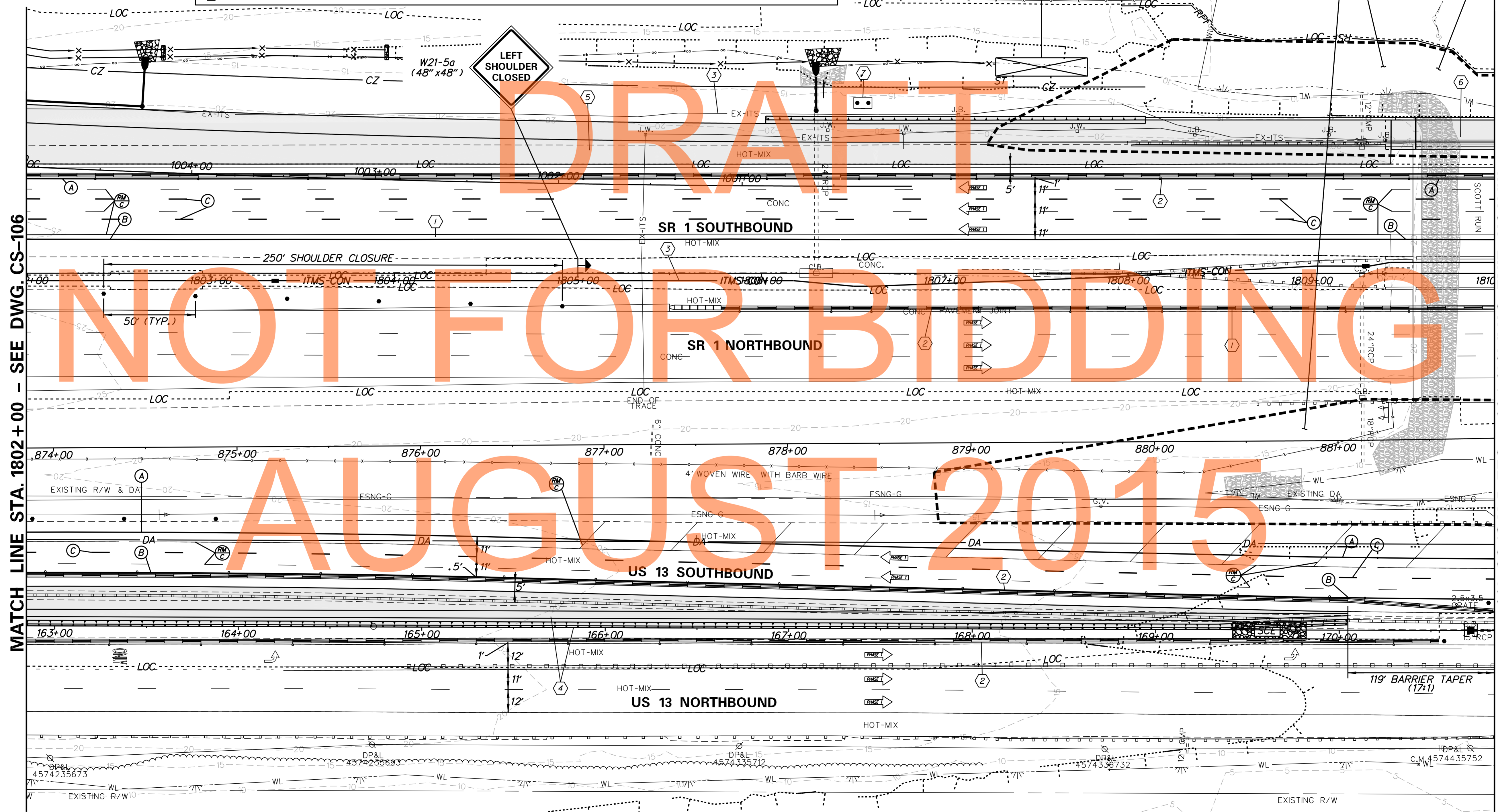
- ① USING TYPICAL APPLICATION 33, REMOVE EXISTING RUMBLE STRIPS ALONG THE LEFT SIDE OF SR 1 SOUTHBOUND FROM STA. 1801+25 TO STA. 1833+75 AND THE LEFT SIDE OF SR 1 NORTHBOUND FROM STA. 1808+75 TO STA. 1831+25 BY MILLING A 2" DEEP BY 4 FEET WIDE SECTION OF THE EXISTING SHOULDER PAVEMENT. REPLACE MILLED PAVEMENT WITH A 2" COURSE OF SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE) FOR TRAFFIC USE UNDER TEMPORARY LANE CONFIGURATION.
- ② PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 SOUTHBOUND AND US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN SR 1 NORTHBOUND AND US 13 NORTHBOUND TRAFFIC IN EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- ③ RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, DWG. NOS. SS-01 THROUGH SS-07.
- ④ CONSTRUCT FULL DEPTH PAVEMENT AND GUARD RAIL ALONG LEFT SIDE OF US 13 SOUTHBOUND.
- ⑤ CONSTRUCT FULL DEPTH PAVEMENT ALONG RIGHT SIDE OF SR 1 SOUTHBOUND.
- ⑥ CONSTRUCT BRIDGE WIDENING. MAINTAIN STREAM FLOW AND ACCESS AREA IN ACCORDANCE WITH MAINTENANCE OF STREAM FLOW PLANS
- ⑦ CONSTRUCT SIGN STRUCTURE OH-2 RIGHT SIDE FOUNDATION.
- ⑧ STABILIZE ALL DISTURBED AREAS.

**SEDIMENT TRAP SCHEDULE**

NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
007	5.93 AC	148'	25'	5.0'	RIPRAP	12.00	9.56	14'	14.50

**SCOTT RUN MAINTENANCE OF STREAM FLOW:**  
ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED ON THE MAINTENANCE OF STREAM FLOW SHEETS (MS-01 AND MS-02). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGES BR 1-903S AND BR 1-432.

1606 SF OF TEMPORARY IMPACTS TO WETLANDS TO BE RESTORED. SEE MISCELLANEOUS NOTES AND EC NOTES.



MATCH LINE STA. 1802+00 - SEE DWG. CS-106

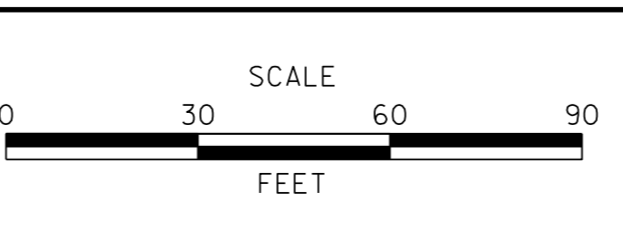
MATCH LINE STA. 1810+00 - SEE DWG. CS-108

NOT FOR BIDDING

AUGUST 2015

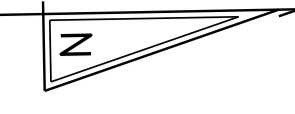
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ADDENDUMS / REVISIONS



CONTRACT T200911302	BRIDGE NO. BR1-903N, BR1-903S & RW1-1
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

CS-107
SHEET NO. 386
TOTAL SHTS. 491



CONSTRUCTION PHASING LEGEND

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

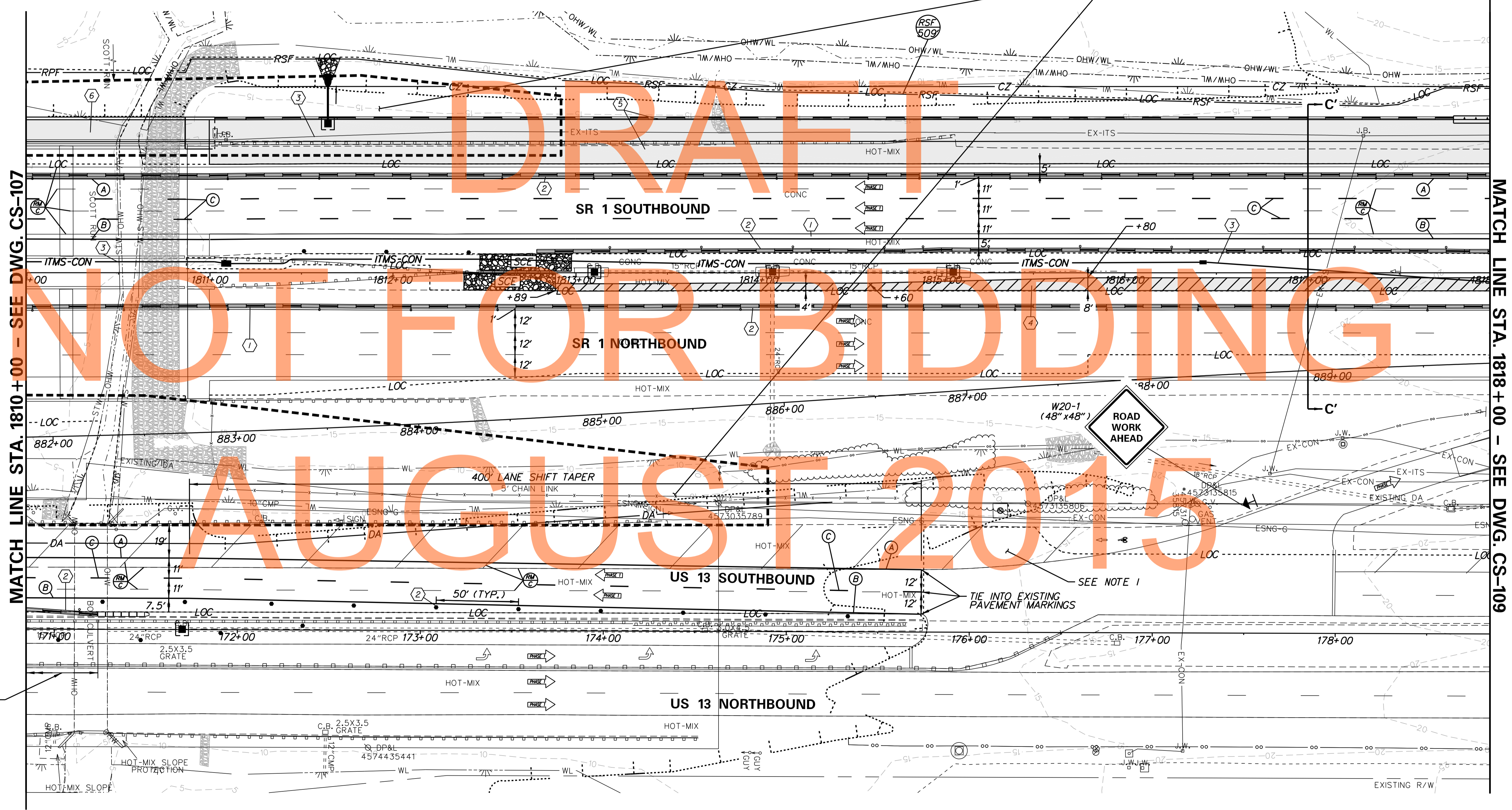
SEQUENCE OF CONSTRUCTION - PHASE I

- 1 USING TYPICAL APPLICATION 33, REMOVE EXISTING RUMBLE STRIPS ALONG THE LEFT SIDE OF SR 1 SOUTHBOUND FROM STA. 1801+25 TO STA. 1833+75 AND THE LEFT SIDE OF SR 1 NORTHBOUND FROM STA. 1808+75 TO STA. 1831+25 BY MILLING A 2" DEEP BY 4 FEET WIDE SECTION OF THE EXISTING SHOULDER PAVEMENT. REPLACE MILLED PAVEMENT WITH A 2" COURSE OF SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE) FOR TRAFFIC USE UNDER TEMPORARY LANE ONFIGURATION.
- 2 PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 SOUTHBOUND AND US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN SR 1 NORTHBOUND AND US 13 NORTHBOUND TRAFFIC IN EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- 3 RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, DWG. NOS. SS-01 THROUGH SS-07.
- 4 CONSTRUCT TEMPORARY PAVEMENT IN SR 1 MEDIAN.
- 5 CONSTRUCT FULL DEPTH PAVEMENT, CONCRETE BARRIER AND GUARD RAIL ALONG RIGHT SIDE OF SR 1 SOUTHBOUND.
- 6 CONSTRUCT BRIDGE WIDENING. MAINTAIN STREAM FLOW AND ACCESS AREA IN ACCORDANCE WITH MAINTENANCE OF STREAM FLOW PLANS.
- 7 STABILIZE ALL DISTURBED AREAS.

NOTES:

1. ACCESS FROM US 13 NORTHBOUND TO THE BIDDLES CORNER TOLL PLAZA ADMINISTRATION BUILDING LOCATED AT THE INTERSECTION OF US 13 AND PORT PENN ROAD TO BE LIMITED BY PROPOSED CONSTRUCTION IN CONTRACT NO. T201011302. THE CONTRACTOR SHALL MAINTAIN THE U-TURN AREA TO PROVIDE ACCESS FROM US 13 SOUTHBOUND.

**SCOTT RUN MAINTENANCE OF STREAM FLOW:**  
ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED ON THE MAINTENANCE OF STREAM FLOW SHEETS (MS-01 AND MS-02). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGES BR 1-903S AND BR 1-432.



MATCH LINE STA. 1810+00 - SEE DWG. CS-107

MATCH LINE STA. 1818+00 - SEE DWG. CS-109

NOT FOR BIDDING

ADDENDUMS / REVISIONS



US 301 &  
SR 1 INTERCHANGE

CONTRACT	T200911302
COUNTY	NEW CASTLE
BRIDGE NO.	BR1-903N & BR1-903S
DESIGNED BY:	J.D.C.
CHECKED BY:	J.M.M.

CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE I

CS-108	
SHEET NO.	387
TOTAL SHTS.	491

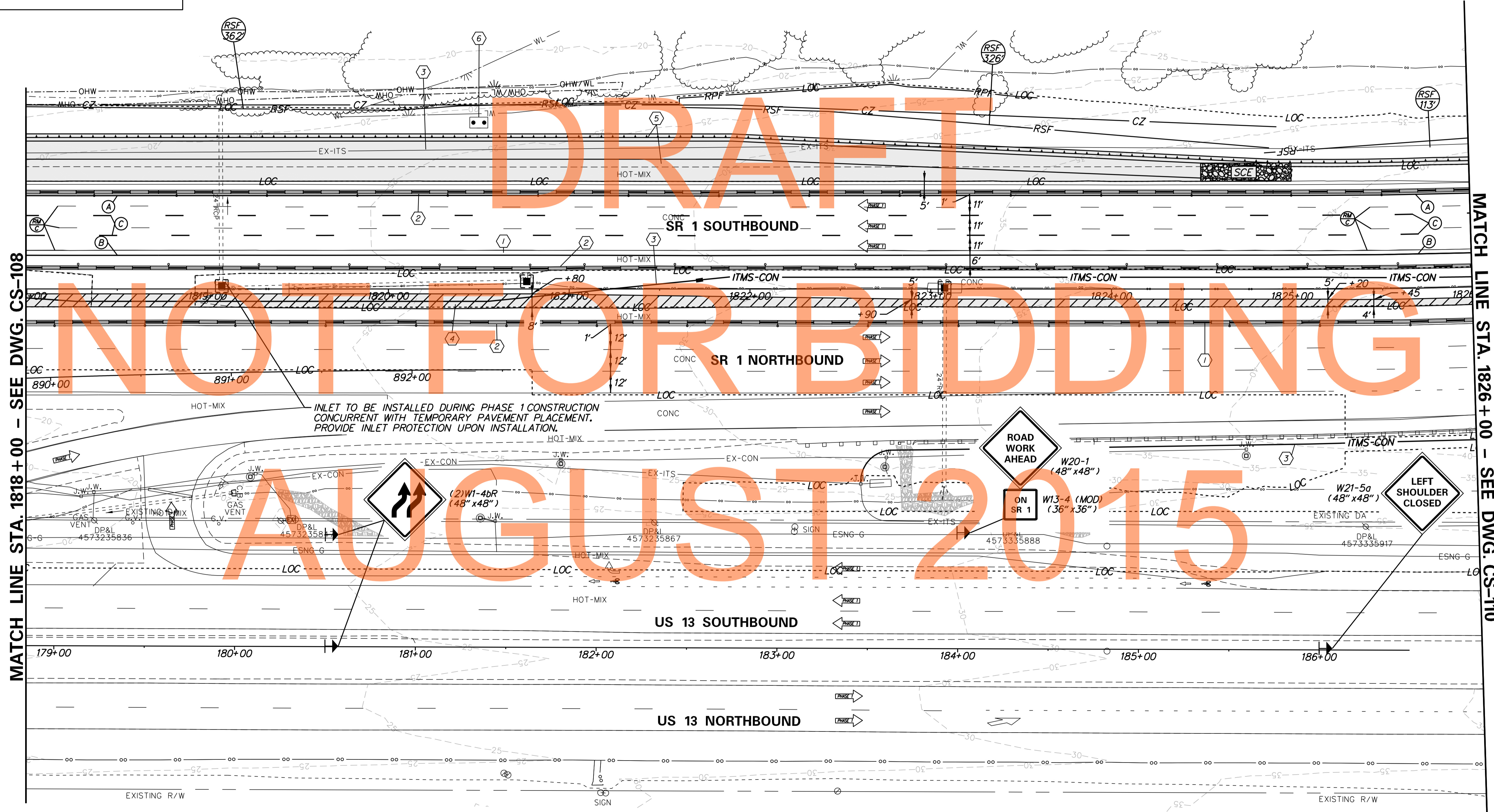
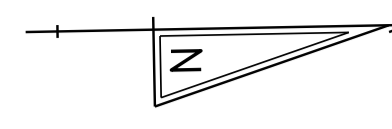
P:\2009\11302\11302.dwg, 11/19/09, 10:10:10 AM, J.D.C.

**CONSTRUCTION PHASING LEGEND**

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE I**

- ① USING TYPICAL APPLICATION 33, REMOVE EXISTING RUMBLE STRIPS ALONG THE LEFT SIDE OF SR 1 SOUTHBOUND FROM STA. 1801+25 TO STA. 1833+75 AND THE LEFT SIDE OF SR 1 NORTHBOUND FROM STA. 1808+75 TO STA. 1831+25 BY MILLING A 2" DEEP BY 4 FEET WIDE SECTION OF THE EXISTING SHOULDER PAVEMENT. REPLACE MILLED PAVEMENT WITH A 2" COURSE OF SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE) FOR TRAFFIC USE UNDER TEMPORARY LANE ONFIGURATION.
- ② PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN SR 1 NORTHBOUND AND US 13 TRAFFIC ON EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- ③ RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, SEE DWG. NOS. SS-01 THROUGH SS-07.
- ④ CONSTRUCT TEMPORARY PAVEMENT IN SR 1 MEDIAN.
- ⑤ CONSTRUCT FULL DEPTH PAVEMENT AND GUARD RAIL ALONG RIGHT SIDE OF SR 1 SOUTHBOUND.
- ⑥ CONSTRUCT SIGN STRUCTURE OH-3 RIGHT SIDE FOUNDATION.
- ⑦ STABILIZE ALL DISTURBED AREAS.



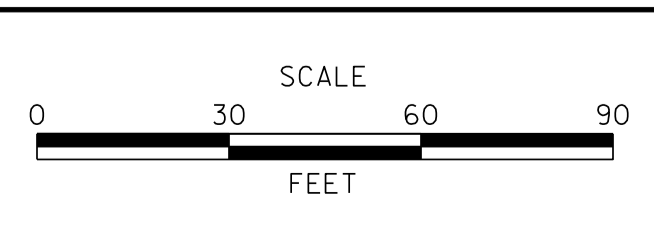
MATCH LINE STA. 1818+00 - SEE DWG. CS-108

MATCH LINE STA. 1826+00 - SEE DWG. CS-110

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ADDENDUMS / REVISIONS	



**US 301 & SR 1 INTERCHANGE**

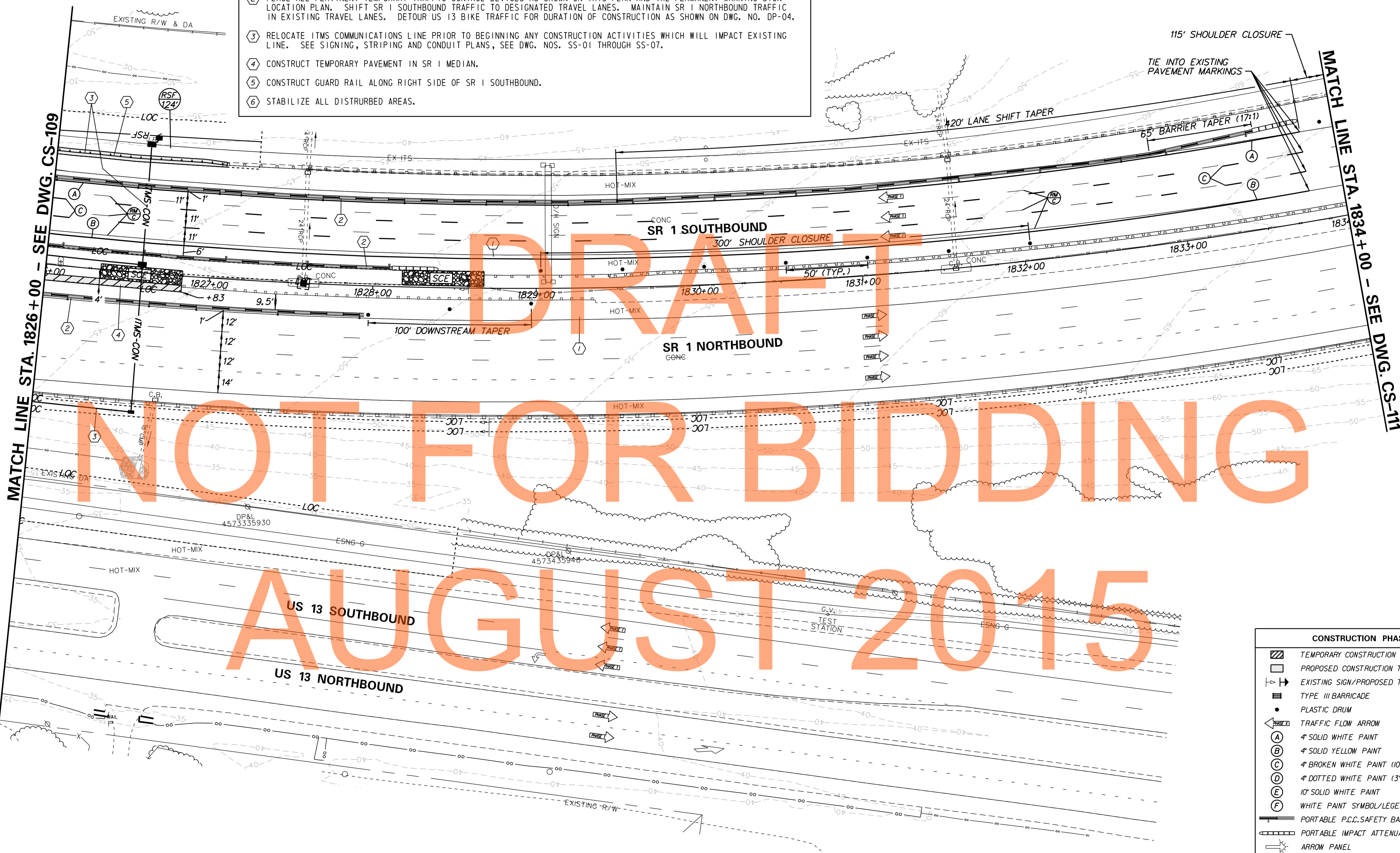
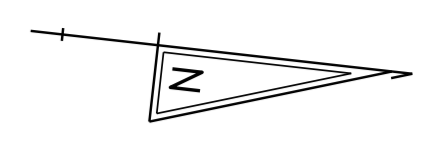
CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1**

CS-109
SHEET NO. 388
TOTAL SHTS. 491

SEQUENCE OF CONSTRUCTION - PHASE I

- ① USING TYPICAL APPLICATION 33, REMOVE EXISTING RUMBLE STRIPS ALONG THE LEFT SIDE OF SR 1 SOUTHBOUND FROM STA. 1801+25 TO STA. 1833+75 AND THE LEFT SIDE OF SR 1 NORTHBOUND FROM STA. 1808+75 TO STA. 1831+25 BY MILLING A 2" DEEP BY 4 FEET WIDE SECTION OF THE EXISTING SHOULDER PAVEMENT. REPLACE MILLED PAVEMENT WITH A 2" COURSE OF SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22, (NON-CARBONATE STONE) FOR TRAFFIC USE UNDER TEMPORARY LANE ONFIGURATION.
- ② PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN SR 1 NORTHBOUND TRAFFIC IN EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- ③ RELOCATE ITMS COMMUNICATIONS LINE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL IMPACT EXISTING LINE. SEE SIGNING, STRIPING AND CONDUIT PLANS, SEE DWG. NOS. SS-01 THROUGH SS-07.
- ④ CONSTRUCT TEMPORARY PAVEMENT IN SR 1 MEDIAN.
- ⑤ CONSTRUCT GUARD RAIL ALONG RIGHT SIDE OF SR 1 SOUTHBOUND.
- ⑥ STABILIZE ALL DISTURBED AREAS.



MATCH LINE STA. 1826+00 - SEE DWG. CS-109

MATCH LINE STA. 1834+00 - SEE DWG. CS-111

NOT FOR BIDDING

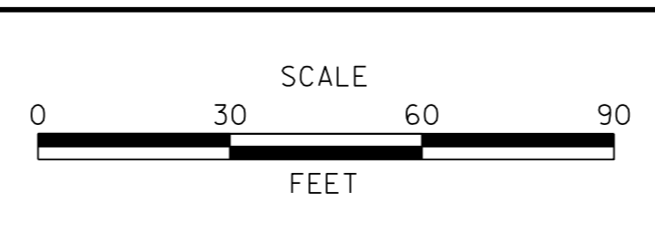
AUGUST 2015

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

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ADDENDUMS / REVISIONS



**US 301 &  
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 1**

CS-110
SHEET NO. 389
TOTAL SHTS. 491

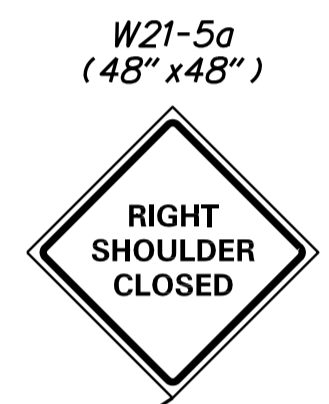
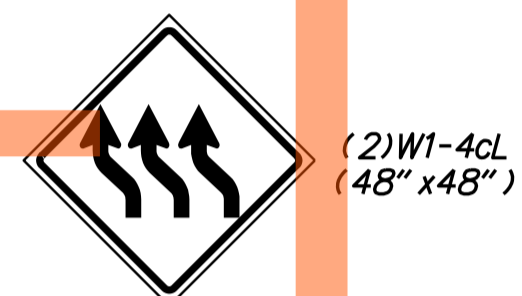
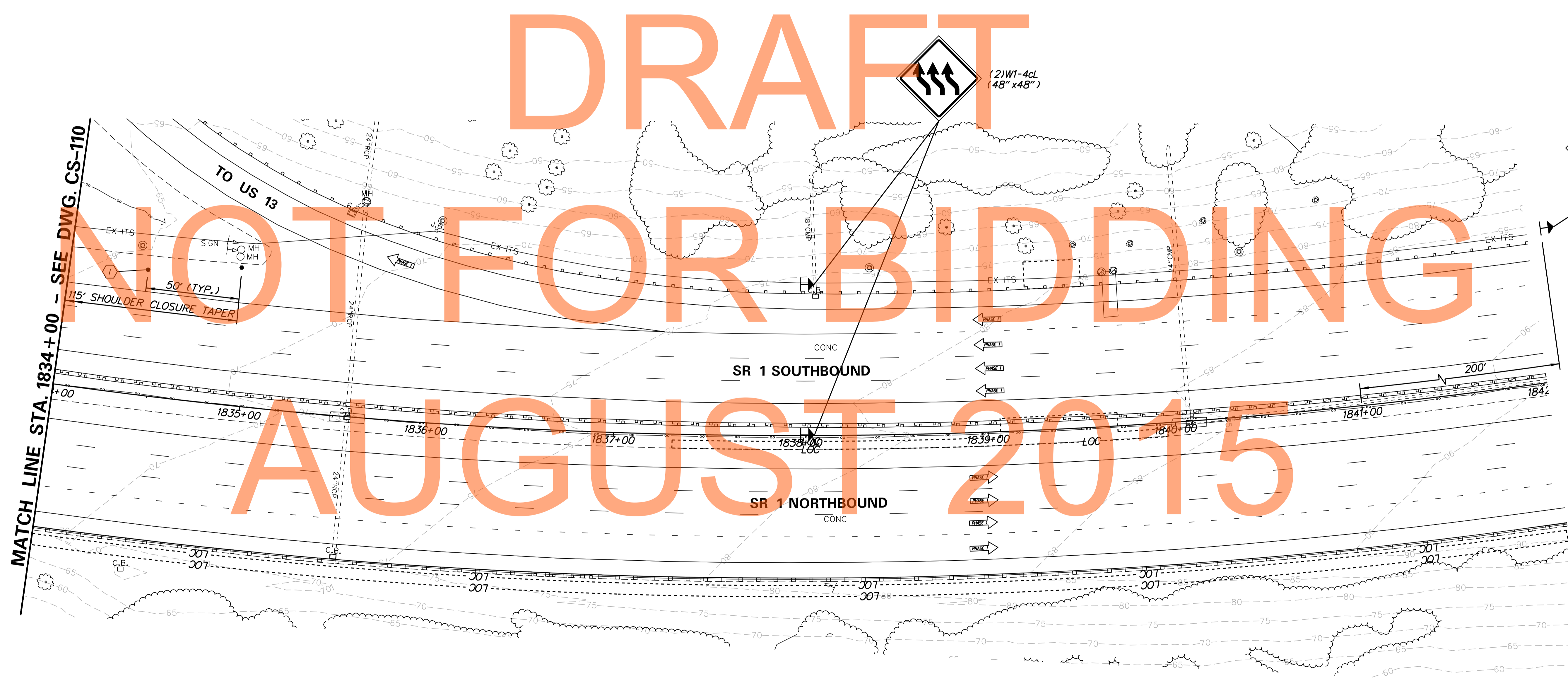
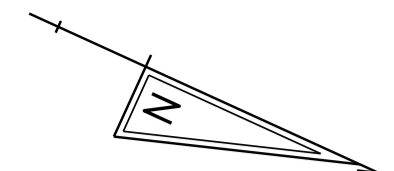


**CONSTRUCTION PHASING LEGEND**

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE I**

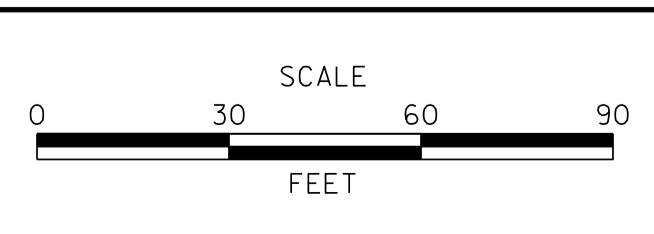
PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. MAINTAIN SR 1 TRAFFIC ON EXISTING TRAVEL LANES.



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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	



**US 301 & SR 1 INTERCHANGE**

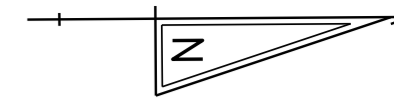
CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1**

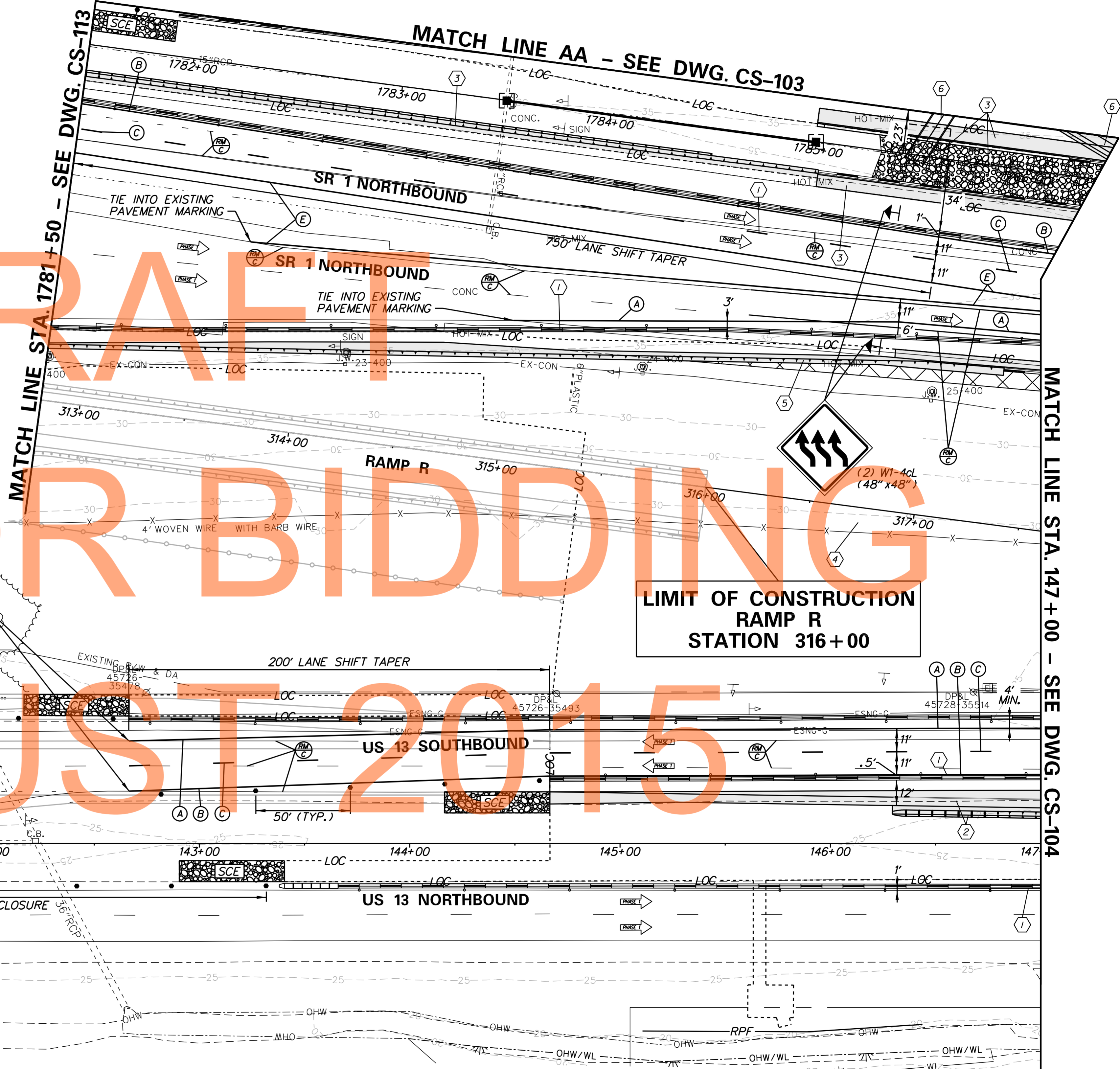
CS-111
SHEET NO.
390
TOTAL SHTS.
491

SEQUENCE OF CONSTRUCTION - PHASE I

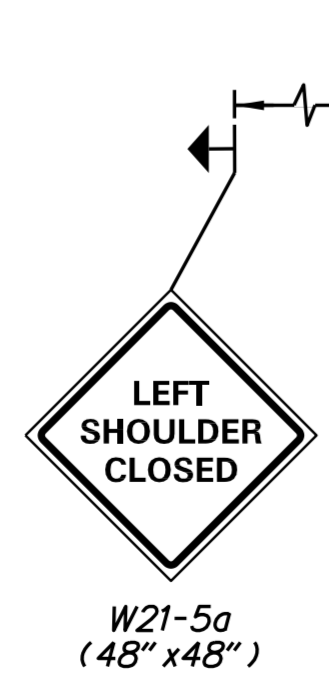
- 1 PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 NORTHBOUND AND US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN US 13 NORTHBOUND TRAFFIC ON EXISTING TRAVEL LANES. DETOUR US 13 BIKE TRAFFIC FOR DURATION OF CONSTRUCTION AS SHOWN ON DWG. NO. DP-04.
- 2 CONSTRUCT FULL DEPTH PAVEMENT AND GUARD RAIL ALONG LEFT SIDE OF US 13 SOUTHBOUND.
- 3 CONSTRUCT BRIDGE PIER, CONCRETE BARRIER, FULL DEPTH PAVEMENT AND GUARDRAIL.
- 4 BEGIN ROUGH GRADING FOR RAMP R.
- 5 CONSTRUCT GUARDRAIL AND PAVEMENT ON RIGHT SIDE OF SR 1 NORTHBOUND.
- 6 DETOUR SR 1 NORTHBOUND TRAFFIC AS SHOWN ON DETOUR PLANS DURING HOURS SPECIFIED ON DWG. NO. TCN-01 FOR BRIDGE GIRDER AND STRADDLE BENT CONSTRUCTION AND OTHER SELECT BRIDGE CONSTRUCTION ACTIVITIES OVER SR 1 NORTHBOUND, AS DIRECTED BY THE ENGINEER.
- 7 STABILIZE ALL DISTURBED AREAS.



DRAFT  
NOT FOR BIDDING  
AUGUST 2015



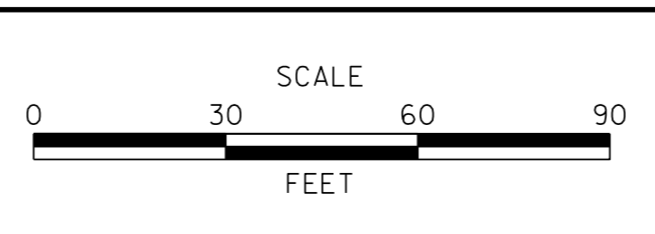
CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10' SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR



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ADDENDUMS / REVISIONS



**US 301 &  
SR 1 INTERCHANGE**

CONTRACT	BRIDGE NO.	BR1-433
T200911302	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 1**

CS-112
SHEET NO.
391
TOTAL SHTS.
491

**CONSTRUCTION PHASING LEGEND**

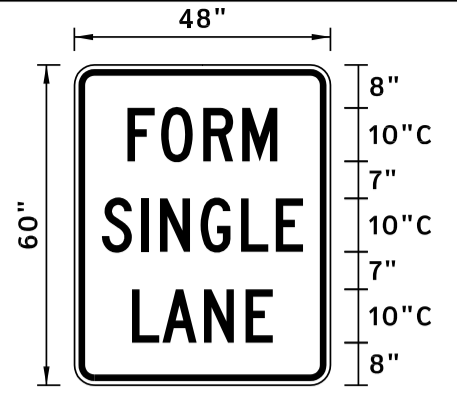
- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE I**

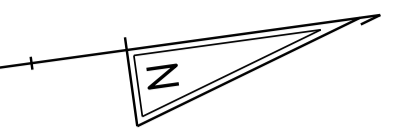
① PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN. SHIFT SR 1 NORTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANES. MAINTAIN SR 1 SOUTHBOUND TRAFFIC ON EXISTING TRAVEL LANES.

**R4-9 (MOD) SIGN DETAIL**

COLORS:  
BLACK LEGEND  
ON WHITE  
BACKGROUND



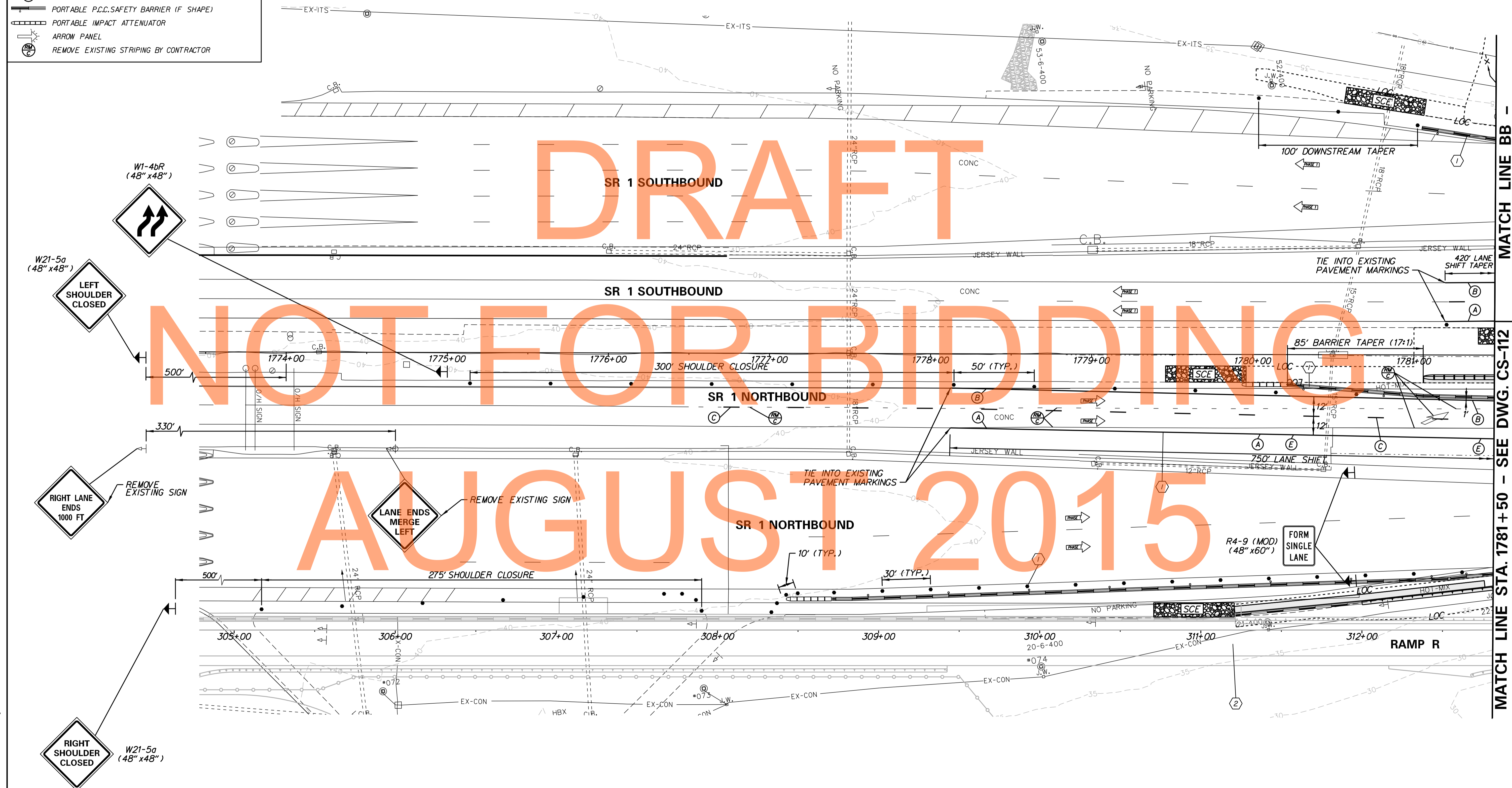
BORDER:  
R=3"  
TH=1.25"  
IN=0.75"



DRAFT

NOT FOR BIDDING

AUGUST 2015

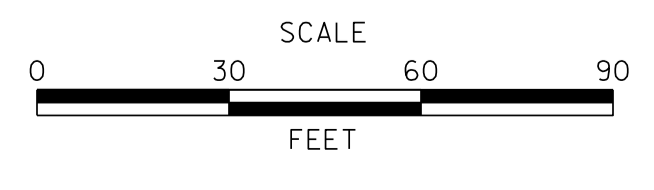


MATCH LINE BB - SEE DWG. CS-103

MATCH LINE STA. 1781+50 - SEE DWG. CS-112

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ADDENDUMS / REVISIONS	



**US 301 & SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1**

CS-113	SHEET NO. 392
	TOTAL SHTS. 491

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

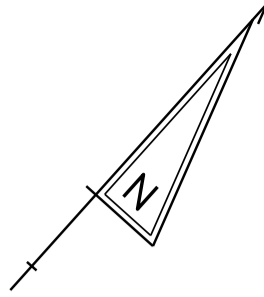
SEQUENCE OF CONSTRUCTION - PHASE 2

CONTINUE PHASE I CONSTRUCTION ACTIVITIES.

NOTES:

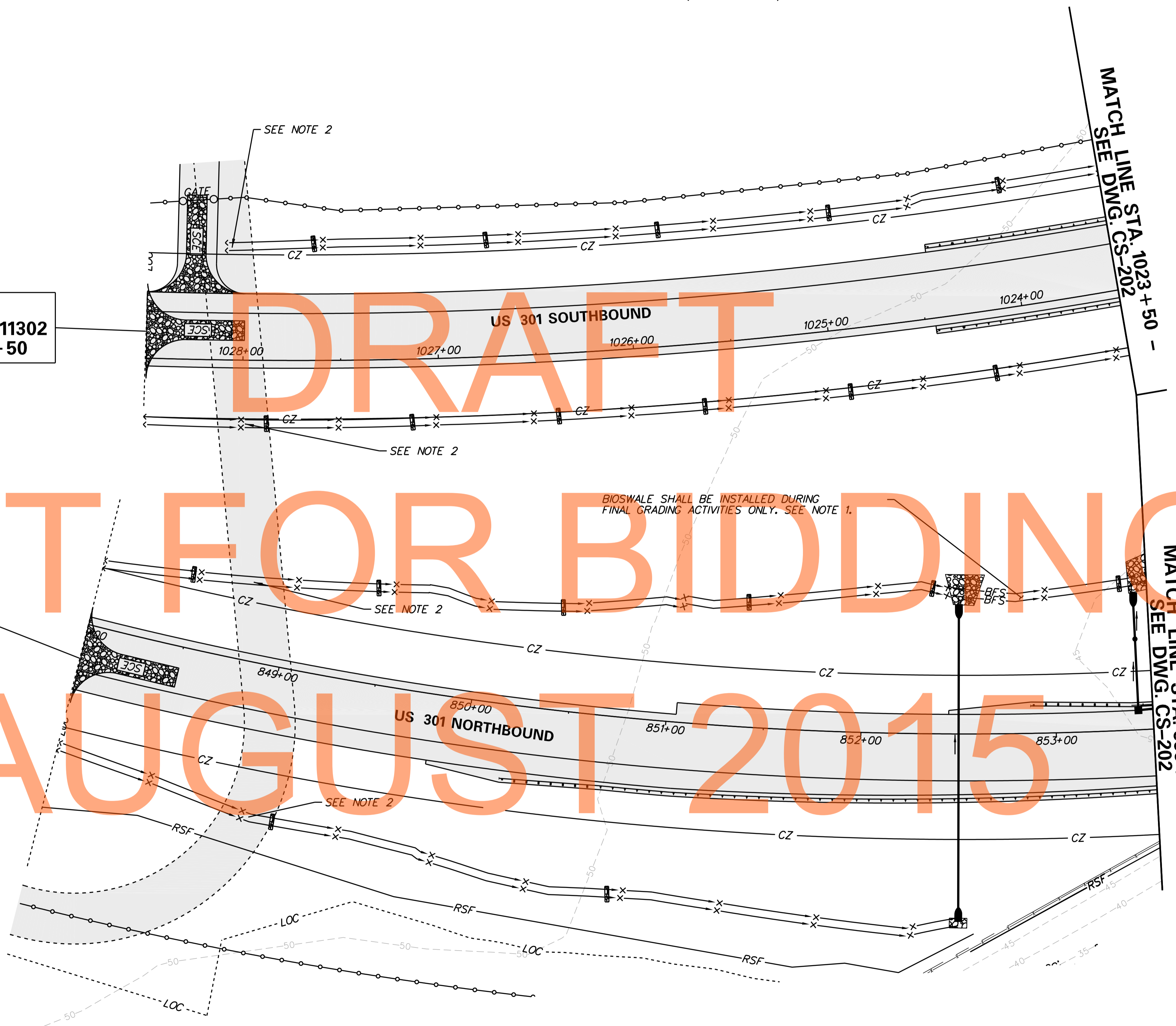
1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF PIPE CULVERTS, AS NECESSARY, TO ENSURE CONVEYANCE OF ALL PROPOSED DITCHES BENEATH HAUL ROAD.



BEGIN  
CONTRACT T200911302  
STATION 1028+50

BEGIN  
CONTRACT T200911302  
STATION 848+00



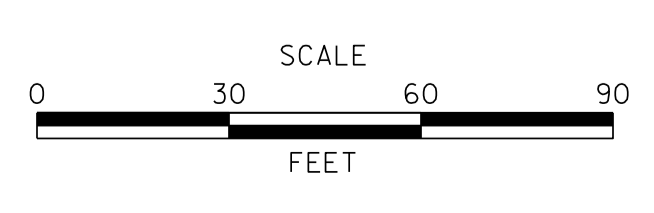
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301 &  
SR 1 INTERCHANGE**

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 2**

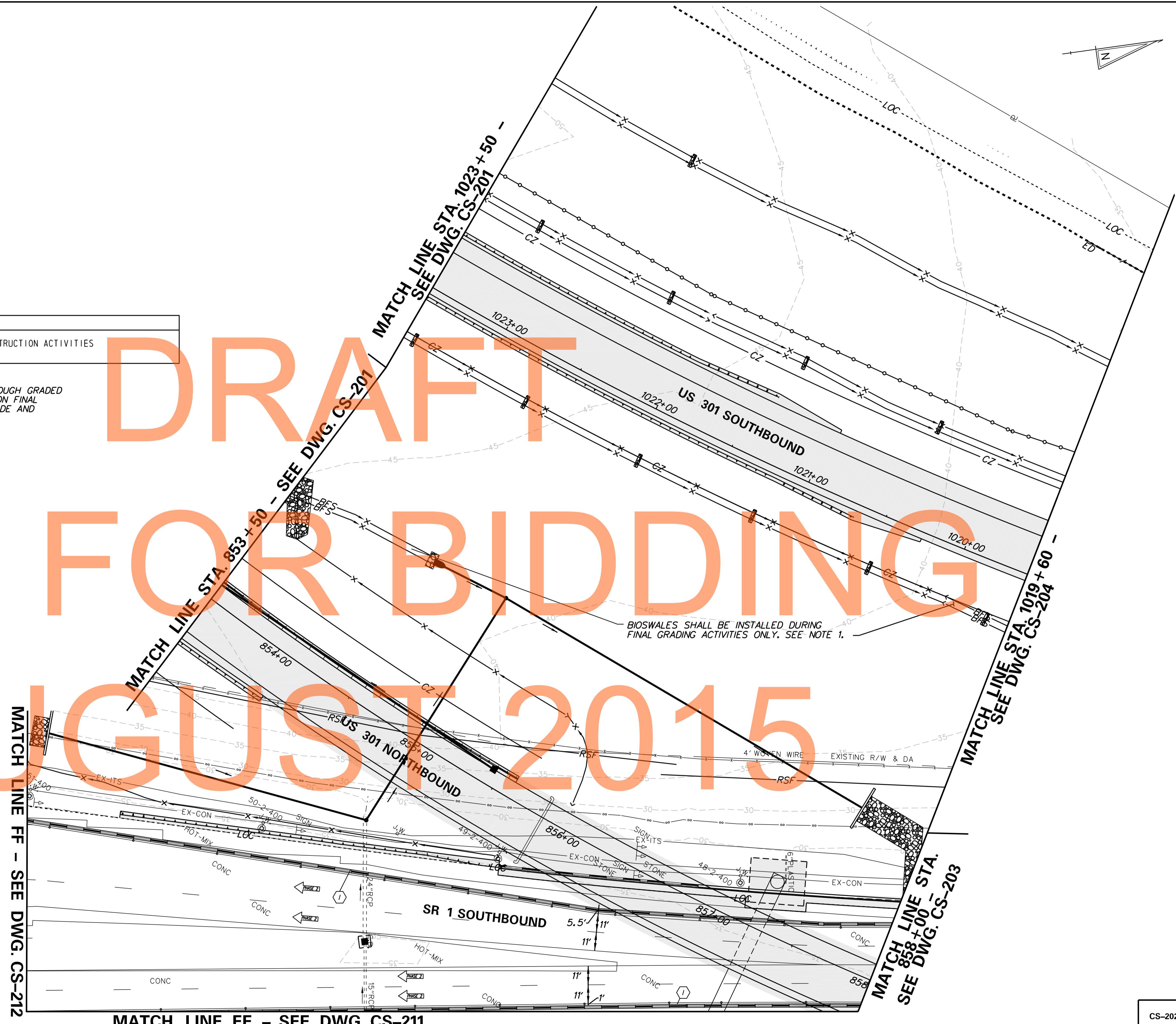
CS-201
SHEET NO.
393
TOTAL SHTS.
491

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

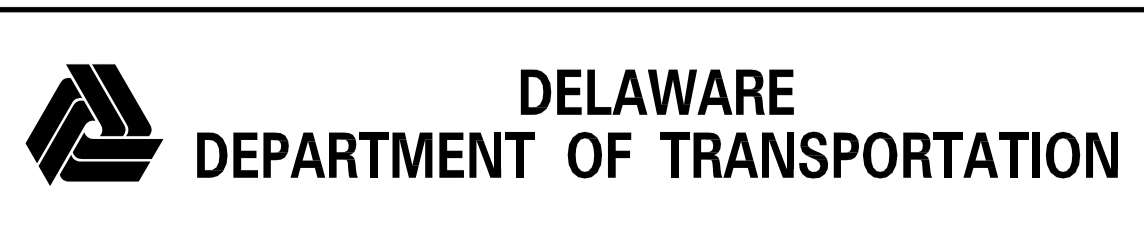
SEQUENCE OF CONSTRUCTION - PHASE 2	
	MAINTAIN PHASE 1 TEMPORARY TRAFFIC CONTROL DEVICES AND CONTINUE PHASE 1 CONSTRUCTION ACTIVITIES

**NOTES:**  
 1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.

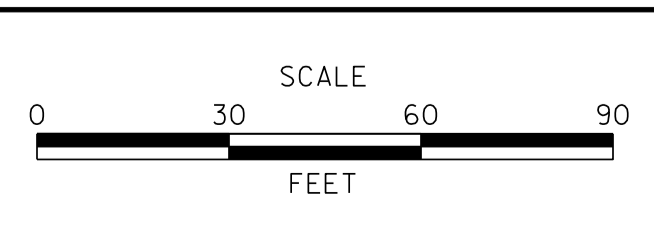
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AUGUST 2015



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ADDENDUMS / REVISIONS



**US 301 & SR 1 INTERCHANGE**

CONTRACT	BRIDGE NO.	BR1-433
T200911302	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2**

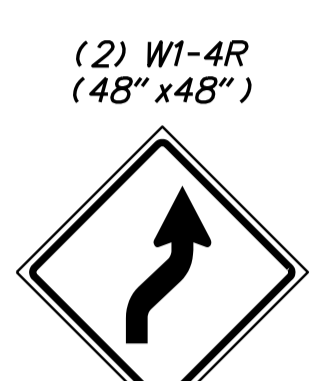
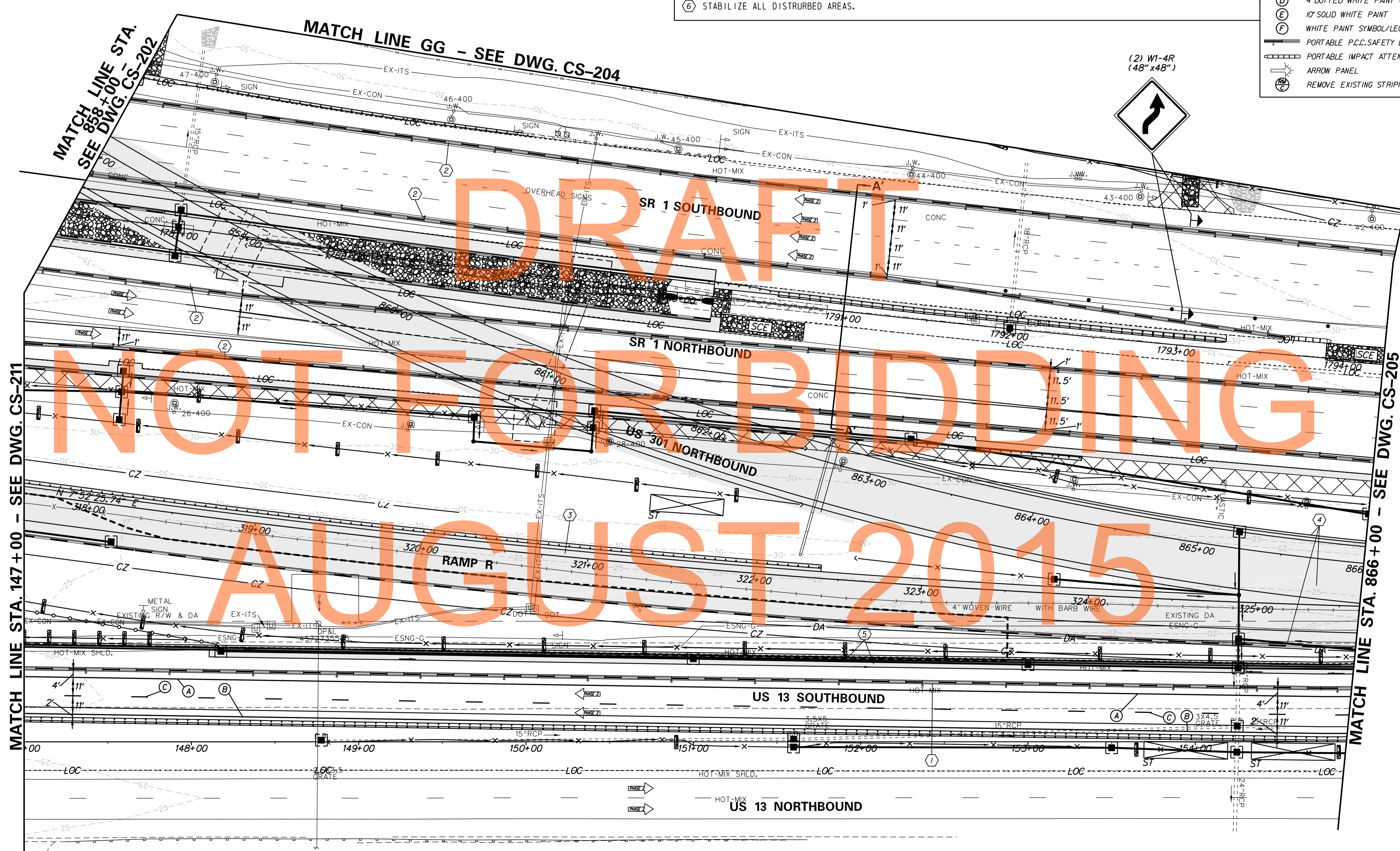
CS-202
SHEET NO.
394
TOTAL SHTS.
491

SEQUENCE OF CONSTRUCTION - PHASE 2

- ① UPON COMPLETION OF FULL DEPTH PAVEMENT CONSTRUCTION ALONG LEFT SIDE OF US 13 SOUTHBOUND PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON PLAN AND SHIFT US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANE.
- ② MAINTAIN PHASE 1 TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 AND MAINTAIN TRAFFIC IN PHASE 1 TRAVEL LANES. CONTINUE PHASE 1 CONSTRUCTION ACTIVITIES ALONG SR 1, US 301 AND RAMP R.
- ③ COMPLETE GRADING FOR RAMP R AND CONSTRUCT FULL DEPTH PAVEMENT.
- ④ EXTEND CONSTRUCTION OF RETAINING WALL, FULL DEPTH PAVEMENT, CONCRETE BARRIER AND GUARD RAIL FOR RAMP R AND US 301 NORTHBOUND.
- ⑤ CONSTRUCT FULL DEPTH PAVEMENT, RETAINING WALL AND CONCRETE BARRIER ALONG RIGHT SIDE OF US 13 SOUTHBOUND.
- ⑥ STABILIZE ALL DISTURBED AREAS.

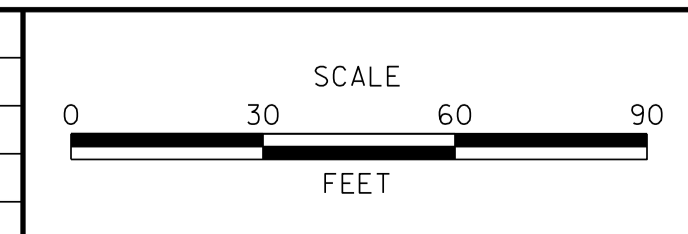
CONSTRUCTION PHASING LEGEND

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR



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ADDENDUMS / REVISIONS



CONTRACT  
 T200911302  
 COUNTY  
 NEW CASTLE

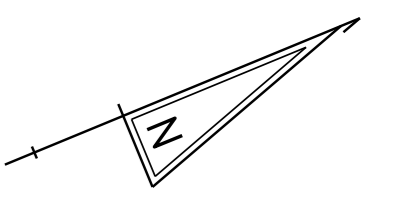
BRIDGE NO.  
 BR1-433,  
 RW1-3 & RW1-3R

DESIGNED BY: J.D.C.  
 CHECKED BY: J.M.M.

US 301 &  
 SR 1 INTERCHANGE

CONSTRUCTION PHASING,  
 M.O.T., AND EROSION  
 CONTROL PLAN - PHASE 2

MATCH LINE - SEE THIS SHEET



SWM BMP 755 SHALL BE COMPLETED DURING PHASE 1 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP 755 FOR DETAILS.

MATCH LINE - SEE THIS SHEET

NOTES:

1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.
2. EXCAVATE SB755 TO LINES AND GRADES SHOWN ON SHEET SW-01. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS, INCLUDING "POND CONSTRUCTION AND SEQUENCE NOTES," "MAINTENANCE OF POND AS A SEDIMENT BASIN," AND "CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND."

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MATCH LINE KK - SEE DWG. CS-205

MATCH LINE SEE STA. 1012+55 - SEE DWG. CS-205

BIOSWALES SHALL BE INSTALLED DURING FINAL GRADING ACTIVITIES ONLY. SEE NOTE 1.

BIOFILTRATION SWALES SHALL BE INSTALLED DURING FINAL GRADING ACTIVITIES ONLY. SEE NOTE 1.

US 301 SOUTHBOUND

MATCH LINE STA. 1019+60 - SEE DWG. CS-202

MATCH LINE GG - SEE DWG. CS-203

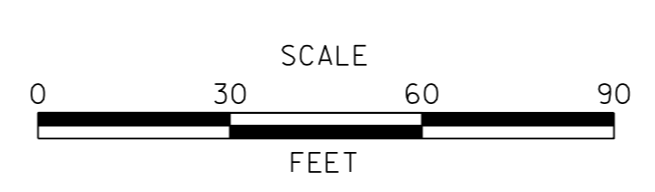
CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

SEQUENCE OF CONSTRUCTION - PHASE 2	
	CONTINUE PHASE 1 CONSTRUCTION ACTIVITIES.

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ADDENDUMS / REVISIONS	

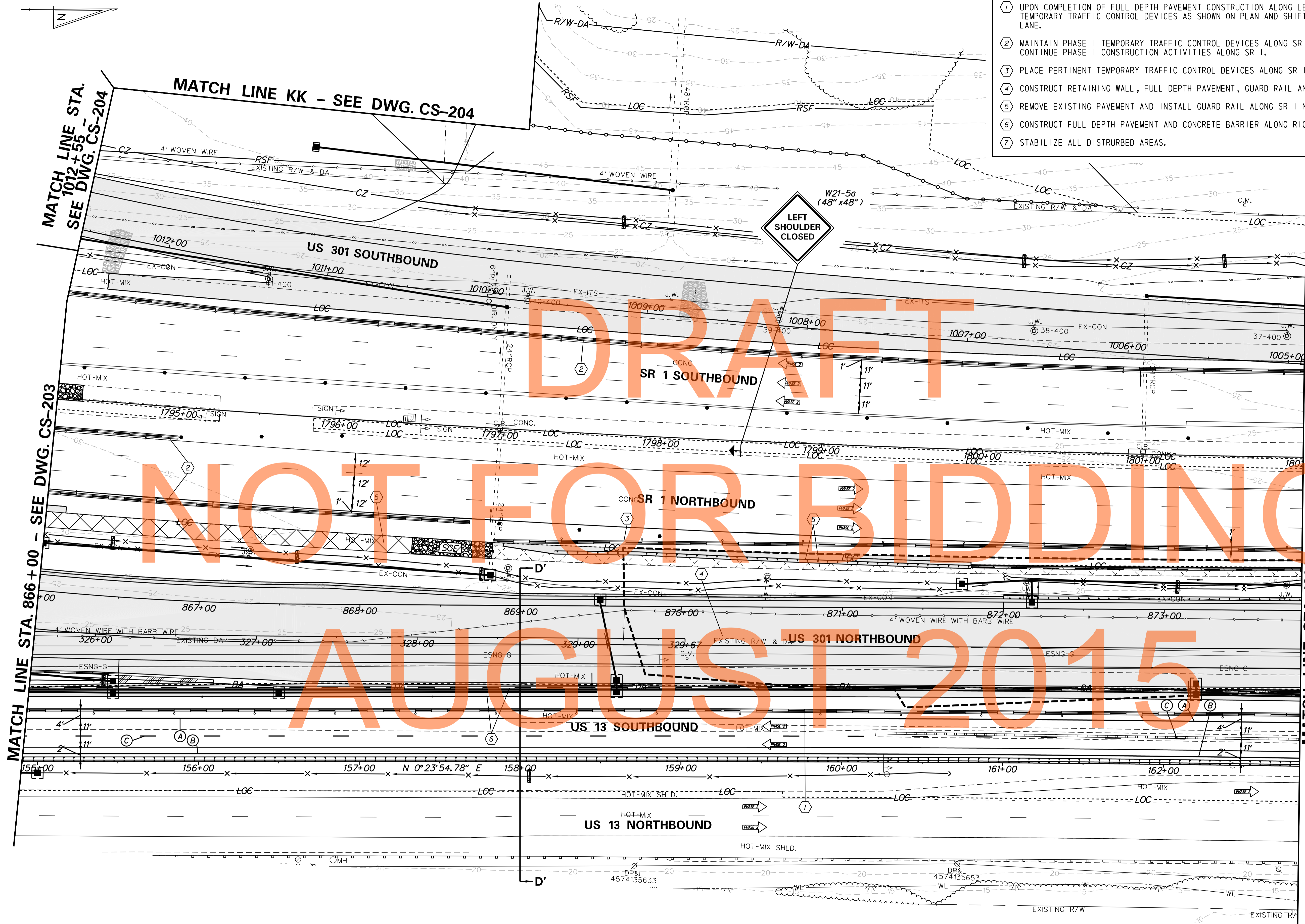


US 301 & SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2	CS-204
	SHEET NO. 396
	TOTAL SHTS. 491

- ① UPON COMPLETION OF FULL DEPTH PAVEMENT CONSTRUCTION ALONG LEFT SIDE OF US 13 SOUTHBOUND PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON PLAN AND SHIFT US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANE.
- ② MAINTAIN PHASE I TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 AND MAINTAIN TRAFFIC IN PHASE I TRAVEL LANES. CONTINUE PHASE I CONSTRUCTION ACTIVITIES ALONG SR 1.
- ③ PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1.
- ④ CONSTRUCT RETAINING WALL, FULL DEPTH PAVEMENT, GUARD RAIL AND CONCRETE BARRIER FOR US 301 NORTHBOUND.
- ⑤ REMOVE EXISTING PAVEMENT AND INSTALL GUARD RAIL ALONG SR 1 NORTHBOUND.
- ⑥ CONSTRUCT FULL DEPTH PAVEMENT AND CONCRETE BARRIER ALONG RIGHT SIDE OF US 13 SOUTHBOUND.
- ⑦ STABILIZE ALL DISTURBED AREAS.

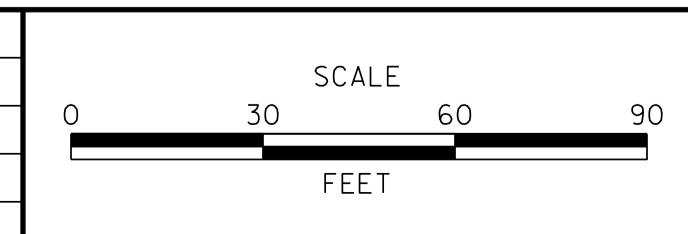


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AUGUST 2015

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10' SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

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ADDENDUMS / REVISIONS



**US 301 &  
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO. RW1-3 & RW1-3R
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

<b>CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2</b>	SHEET NO. 397
	TOTAL SHTS. 491



**CONSTRUCTION PHASING LEGEND**

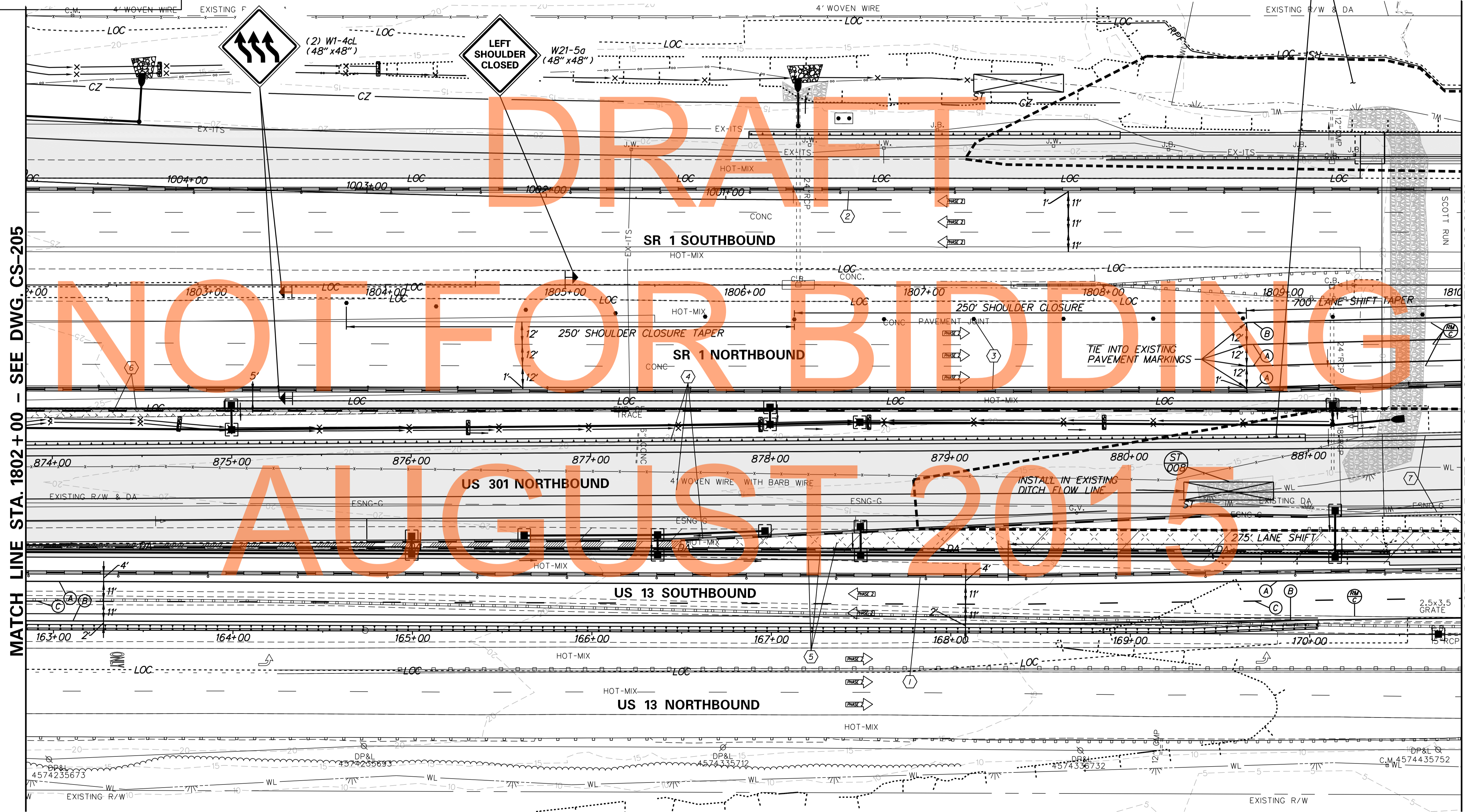
- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10' SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE 2**

- 1 UPON COMPLETION OF FULL DEPTH PAVEMENT CONSTRUCTION ALONG LEFT SIDE OF US 13 SOUTHBOUND PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON PLAN AND SHIFT US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANE.
- 2 MAINTAIN PHASE 1 TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 SOUTHBOUND AND MAINTAIN TRAFFIC IN PHASE 1 TRAVEL LANES. CONTINUE PHASE 1 CONSTRUCTION ACTIVITIES ALONG SR 1.
- 3 REMOVE/RELOCATE TEMPORARY TRAFFIC CONTROL DEVICES ALONG LEFT SIDE OF SR 1 NORTHBOUND. PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES ALONG RIGHT SIDE OF SR 1 NORTHBOUND AND SHIFT TRAFFIC TO DESIGNATED TRAVEL LANES.
- 4 CONSTRUCT RETAINING WALL, FULL DEPTH PAVEMENT, GUARD RAIL AND CONCRETE BARRIER FOR US 301 NORTHBOUND.
- 5 REMOVE EXISTING PAVEMENT AND CONSTRUCT FULL DEPTH PAVEMENT AND CONCRETE BARRIER ALONG RIGHT SIDE OF US 13 SOUTHBOUND.
- 6 REMOVE EXISTING PAVEMENT AND INSTALL CONCRETE BARRIER ALONG SR 1 NORTHBOUND.
- 7 CONSTRUCT BRIDGE 1-2. MAINTAIN STREAM FLOW AND ACCESS AREA IN ACCORDANCE WITH MAINTENANCE OF STREAM FLOW PLANS.
- 8 STABILIZE ALL DISTURBED AREAS.

SEDIMENT TRAP SCHEDULE										
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.	
008	2.70 AC	170'	16'	3.00	STONE	12.00	10.00	11'	13.00	

**SCOTT RUN MAINTENANCE OF STREAM FLOW:**  
 ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED ON THE MAINTENANCE OF STREAM FLOW SHEETS (MS 1/2-01 AND MS1/2-02). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGES BR 1-903S AND BR 1-432.



MATCH LINE STA. 1802+00 - SEE DWG. CS-205

MATCH LINE STA. 1810+00 - SEE DWG. CS-207

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AUGUST 2015

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**CONSTRUCTION PHASING LEGEND**

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

**SEQUENCE OF CONSTRUCTION - PHASE 2**

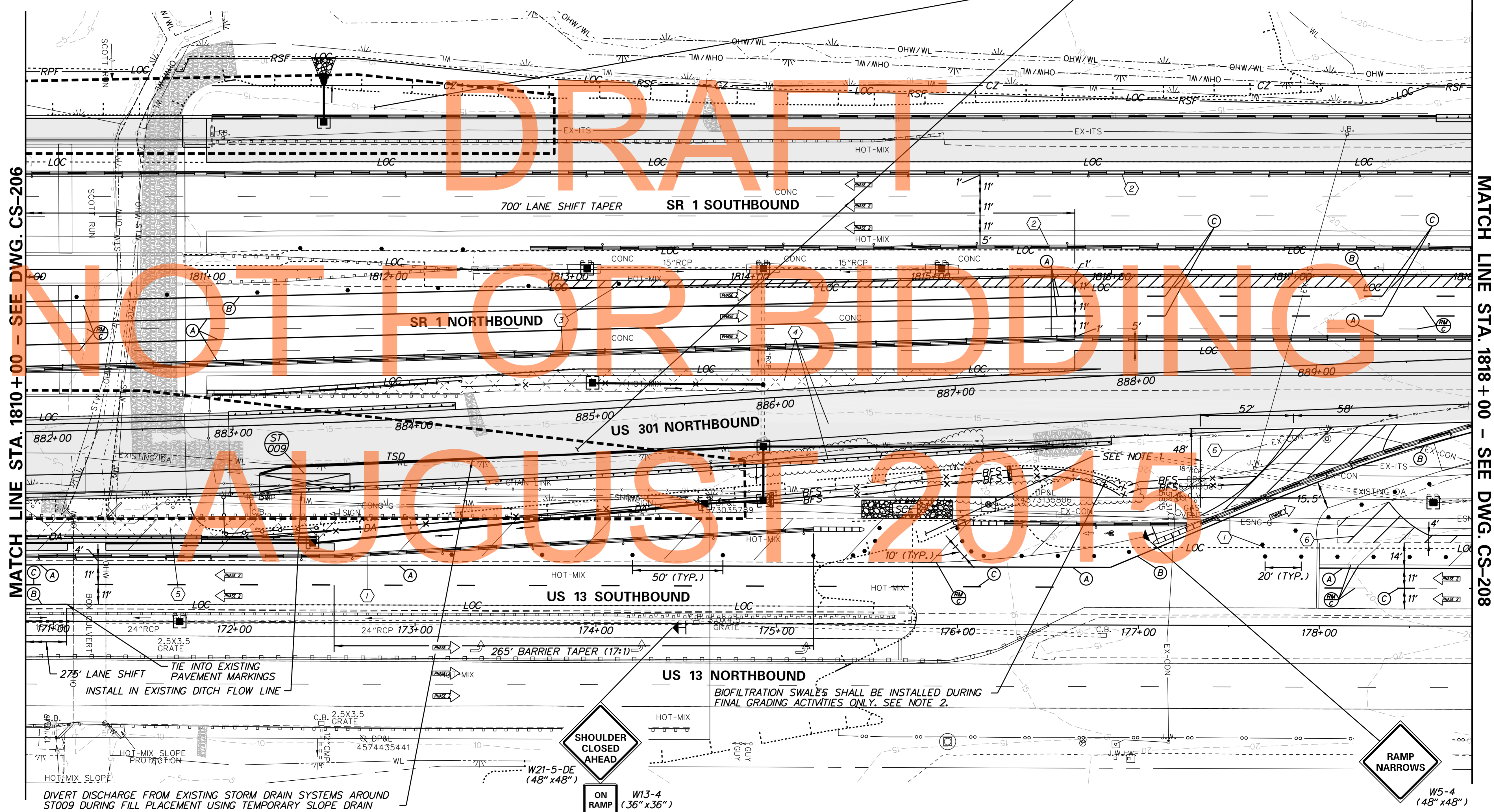
- 1 UPON COMPLETION OF FULL DEPTH PAVEMENT CONSTRUCTION ALONG LEFT SIDE OF US 13 SOUTHBOUND PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON PLAN AND SHIFT US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANE.
- 2 MAINTAIN PHASE 1 TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 SOUTHBOUND AND MAINTAIN TRAFFIC IN PHASE 1 TRAVEL LANES. CONTINUE PHASE 1 CONSTRUCTION ACTIVITIES ALONG SR 1.
- 3 REMOVE/RELOCATE TEMPORARY TRAFFIC CONTROL DEVICES ALONG LEFT SIDE OF SR 1 NORTHBOUND. PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 NORTHBOUND AND SHIFT TRAFFIC TO DESIGNATED TRAVEL LANES.
- 4 REMOVE EXISTING PAVEMENT AND CONSTRUCT FULL DEPTH PAVEMENT AND GUARD RAIL FOR SR 1 NORTHBOUND AND US 301 NORTHBOUND.
- 5 REMOVE EXISTING PAVEMENT AND CONSTRUCT FULL DEPTH PAVEMENT AND CONCRETE BARRIER ALONG RIGHT SIDE OF US 13 SOUTHBOUND.
- 6 INSTALL TEMPORARY PAVEMENT ALONG EXISTING US 13 'FREE' RAMP. REFER TO TEMPORARY PAVING SECTION FOR SR 1 MEDIAN ON DWG. NO. CS-02.
- 7 STABILIZE ALL DISTURBED AREAS.

**SEDIMENT TRAP SCHEDULE**

NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
009	0.88 AC	54'	15'	3.00	STONE	8.00	6.00	4'	9.00

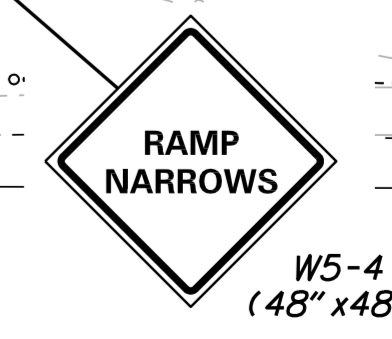
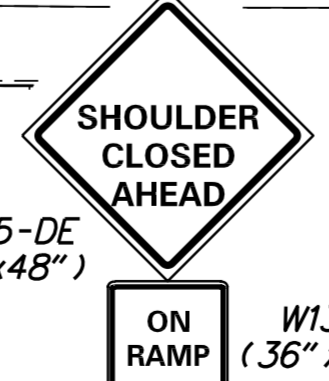
- NOTES:**
1. ACCESS FROM US 13 NORTHBOUND TO THE BIDDLES CORNER TOLL PLAZA ADMINISTRATION BUILDING LOCATED AT THE INTERSECTION OF US 13 AND PORT PENN ROAD TO BE LIMITED BY PROPOSED CONSTRUCTION IN CONTRACT NO. T200911302. THE CONTRACTOR SHALL MAINTAIN THE U-TURN AREA TO PROVIDE ACCESS FROM US 13 SOUTHBOUND.
  2. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED. UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS GRADE BIOSWALE TO FINAL GRADE AND STABILIZE WITH WET SEED MIX.

**SCOTT RUN MAINTENANCE OF STREAM FLOW:**  
 ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED ON THE MAINTENANCE OF STREAM FLOW SHEETS (MS-01 AND MS-02). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGES BR 1-903S AND BR 1-432.



MATCH LINE STA. 1810+00 - SEE DWG. CS-206

MATCH LINE STA. 1818+00 - SEE DWG. CS-208



DIVERT DISCHARGE FROM EXISTING STORM DRAIN SYSTEMS AROUND ST009 DURING FILL PLACEMENT USING TEMPORARY SLOPE DRAIN

ADDENDUMS / REVISIONS



**US 301 & SR 1 INTERCHANGE**

CONTRACT	T200911302	BRIDGE NO.	BR1-903N, BR1-903S & BR1-432
COUNTY	NEW CASTLE	DESIGNED BY:	J.D.C.
		CHECKED BY:	J.M.M.

**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2**

CS-207
SHEET NO.
399
TOTAL SHTS.
491

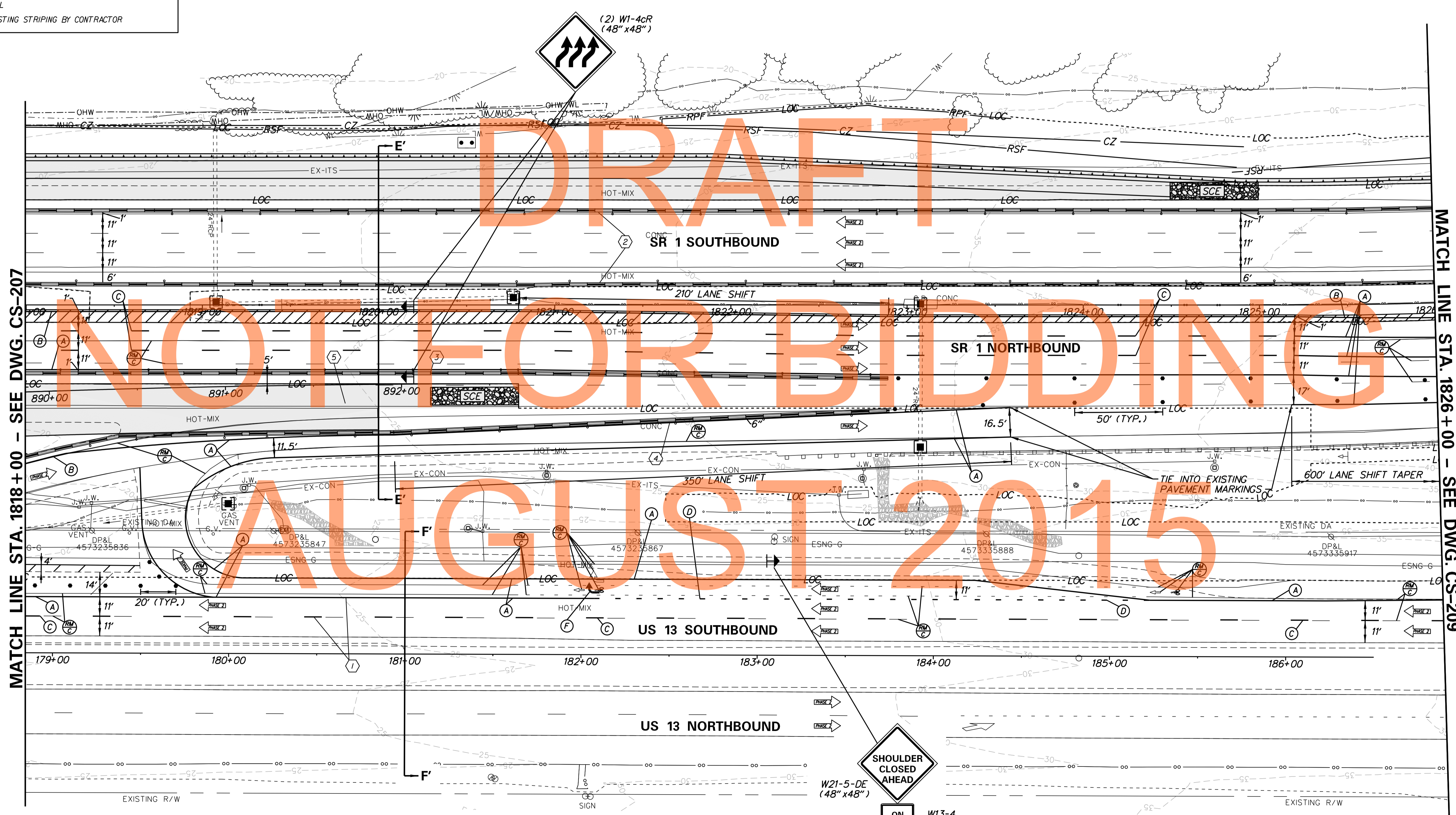
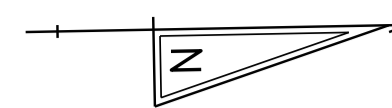
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CONSTRUCTION PHASING LEGEND

- TEMPORARY CONSTRUCTION
- PROPOSED CONSTRUCTION THIS PHASE
- EXISTING SIGN/PROPOSED TEMPORARY SIGN
- TYPE III BARRICADE
- PLASTIC DRUM
- TRAFFIC FLOW ARROW
- 4" SOLID WHITE PAINT
- 4" SOLID YELLOW PAINT
- 4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
- 4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
- 10" SOLID WHITE PAINT
- WHITE PAINT SYMBOL/LEGEND
- PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
- PORTABLE IMPACT ATTENUATOR
- ARROW PANEL
- REMOVE EXISTING STRIPING BY CONTRACTOR

SEQUENCE OF CONSTRUCTION - PHASE 2

- 1 UPON COMPLETION OF FULL DEPTH PAVEMENT CONSTRUCTION ALONG LEFT SIDE OF US 13 SOUTHBOUND PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON PLAN AND SHIFT US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANE.
- 2 MAINTAIN PHASE 1 TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 SOUTHBOUND AND MAINTAIN TRAFFIC IN PHASE 1 TRAVEL LANES. CONTINUE PHASE 1 CONSTRUCTION ACTIVITIES ALONG SR 1.
- 3 REMOVE/REPLACE TEMPORARY TRAFFIC CONTROL DEVICES ALONG LEFT SIDE OF SR 1 NORTHBOUND. PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 NORTHBOUND AND SHIFT TRAFFIC TO DESIGNATED TRAVEL LANES.
- 4 PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES ALONG EXISTING US 13 'FREE' RAMP AND SHIFT TRAFFIC TO DESIGNATED TRAVEL LANE.
- 5 CONSTRUCT FULL DEPTH PAVEMENT FOR SR 1 NORTHBOUND AND US 301 NORTHBOUND.
- 6 STABILIZE ALL DISTURBED AREAS.



MATCH LINE STA. 1818+00 - SEE DWG. CS-207

MATCH LINE STA. 1826+00 - SEE DWG. CS-209

NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS



US 301 & SR 1 INTERCHANGE

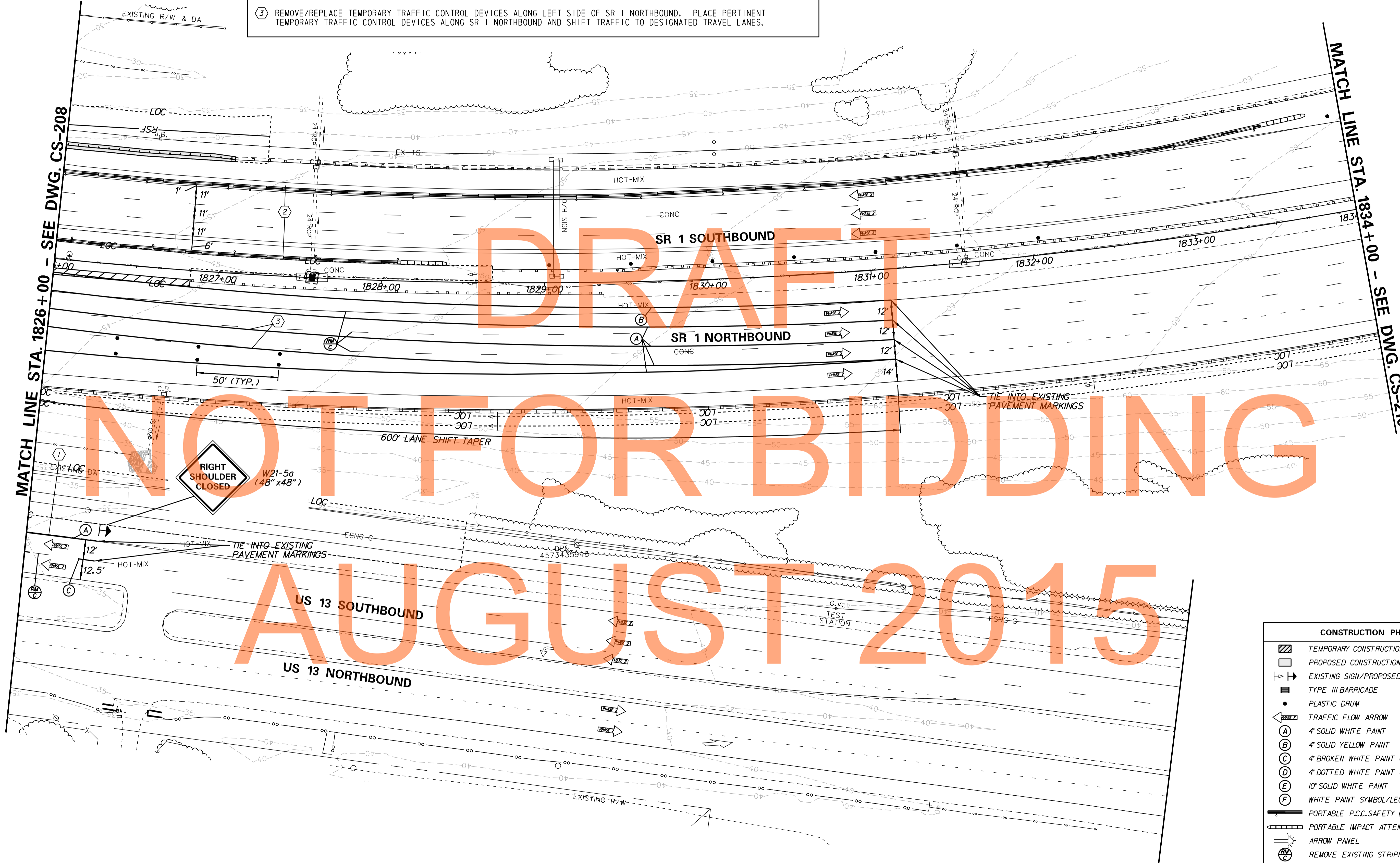
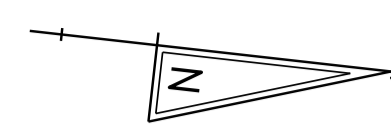
CONTRACT	BRIDGE NO.
T200911302	DESIGNED BY: J.D.C.
COUNTY	CHECKED BY: J.M.M.
NEW CASTLE	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2

CS-208
SHEET NO.
400
TOTAL SHTS.
491

SEQUENCE OF CONSTRUCTION - PHASE 2

- ① UPON COMPLETION OF FULL DEPTH PAVEMENT CONSTRUCTION ALONG LEFT SIDE OF US 13 SOUTHBOUND PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON PLAN AND SHIFT US 13 SOUTHBOUND TRAFFIC TO DESIGNATED TRAVEL LANE.
- ② MAINTAIN PHASE I TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 SOUTHBOUND AND MAINTAIN TRAFFIC IN PHASE I TRAVEL LANES. CONTINUE PHASE I CONSTRUCTION ACTIVITIES ALONG SR 1.
- ③ REMOVE/REPLACE TEMPORARY TRAFFIC CONTROL DEVICES ALONG LEFT SIDE OF SR 1 NORTHBOUND. PLACE PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES ALONG SR 1 NORTHBOUND AND SHIFT TRAFFIC TO DESIGNATED TRAVEL LANES.



MATCH LINE STA. 1826+00 - SEE DWG. CS-208

MATCH LINE STA. 1834+00 - SEE DWG. CS-210

NOT FOR BIDDING  
DRAFT

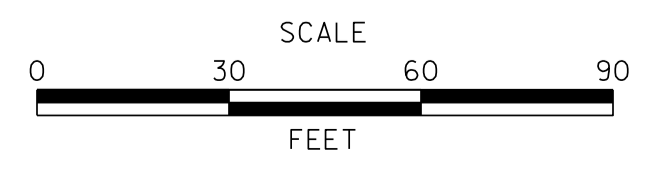
AUGUST 2015

CONSTRUCTION PHASING LEGEND	
	TEMPORARY CONSTRUCTION
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	4" SOLID WHITE PAINT
	4" SOLID YELLOW PAINT
	4" BROKEN WHITE PAINT (10' LINE, 30' GAP)
	4" DOTTED WHITE PAINT (3' LINE, 9' GAP)
	10" SOLID WHITE PAINT
	WHITE PAINT SYMBOL/LEGEND
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR
	ARROW PANEL
	REMOVE EXISTING STRIPING BY CONTRACTOR

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ADDENDUMS / REVISIONS	



**US 301 &  
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 2**

CS-209	SHEET NO.
	401
	TOTAL SHTS.
	491