

MATCH LINE STA. 803+00 (SHEET CS-38)

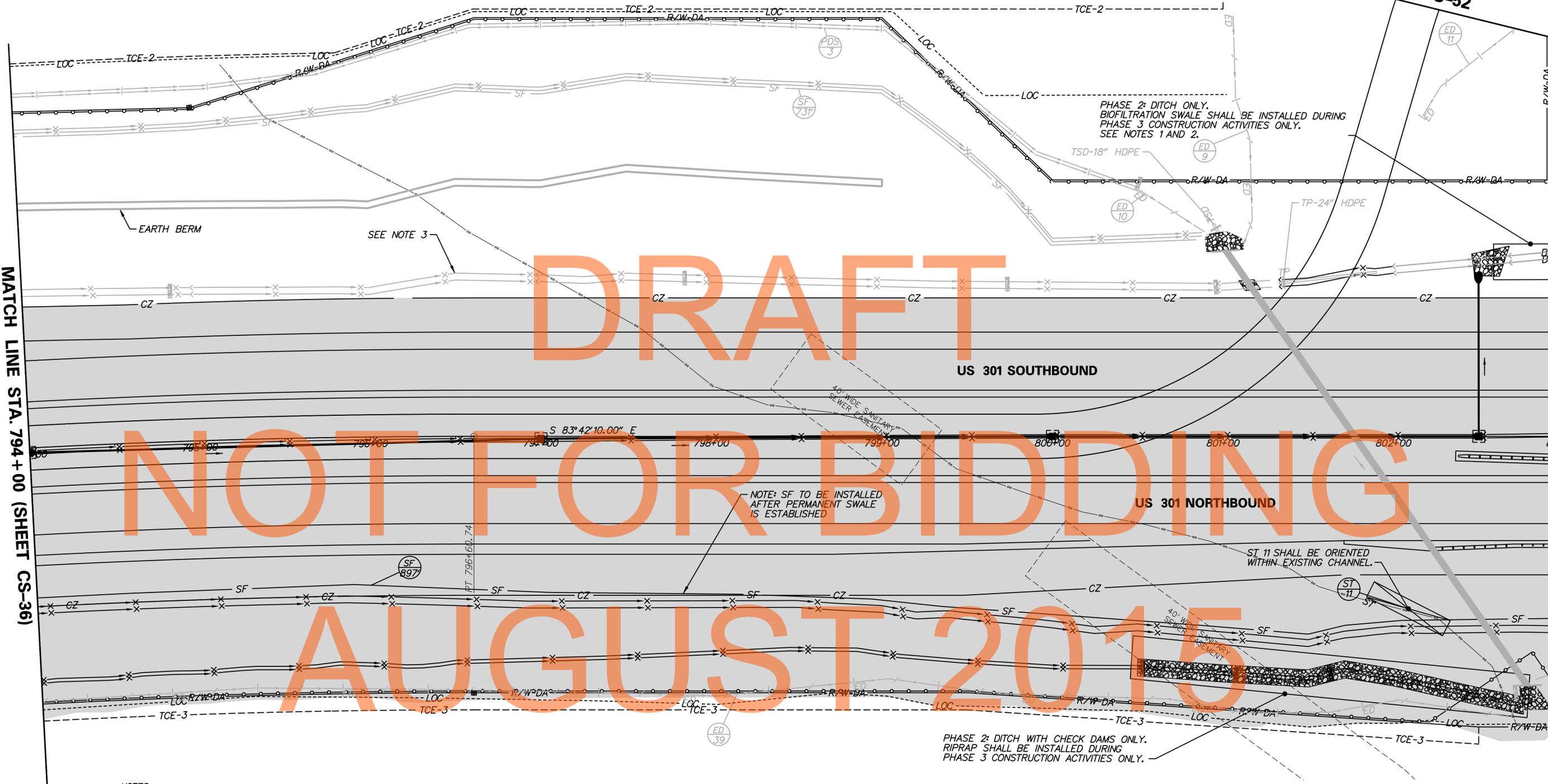
MATCH LINE STA. 794+00 (SHEET CS-36)

MATCH LINE SHEET CS-52

DRAFT

NOT FOR BIDDING

AUGUST 2015



PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

NOTE: SF TO BE INSTALLED AFTER PERMANENT SWALE IS ESTABLISHED

ST 11 SHALL BE ORIENTED WITHIN EXISTING CHANNEL.

PHASE 2: DITCH WITH CHECK DAMS ONLY. RIPRAP SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY.

NOTES:

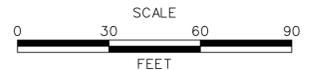
1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
2. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.
3. PHASE 3 CONSTRUCTION: UPON REMOVAL OF SEDIMENT TRAP AND FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE ROADWAY DITCH TO FINAL GRADE AND STABILIZE WITH PERMANENT SEEDING.

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
11	5.97 AC	74'	49'	2.00'	STONE	42.70	39.00	24'	44.00

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

CS-37
SHEET NO.
710
TOTAL SHTS.
875



PHASE 2: DITCH ONLY.
BIOFILTRATION SWALE SHALL BE INSTALLED DURING
PHASE 3 CONSTRUCTION ACTIVITIES ONLY.
SEE NOTES 1 AND 2.

SEE SHEET CS-21 FOR SEDIMENT BASIN
INFORMATION. SWM BMP NO. 733 SHALL BE COMPLETED
DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL
ASSOCIATED PLANS FOR SWM BMP NO. 733 FOR DETAILS.

SCOTT RUN STREAM RESTORATION REACH ONLY
EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED
ON THE MAINTENANCE OF STREAMFLOW SHEETS (MS-07 THROUGH MS-10).
CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED
WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGES BR 1-460N AND BR 1-460S
AND THE STREAM RESTORATION PLANS (SR-001 THROUGH SR-017).

MATCH LINE SHEET CS-52

MATCH LINE STA. 803+00 (SHEET CS-37)

MATCH LINE SHEET CS-53

MATCH LINE STA. 812+00 (SHEET CS-39)

US 301 SOUTHBOUND

US 301 NORTHBOUND

DRAFT
NOT FOR BIDDING
AUGUST 2015

NOTE: SF TO BE INSTALLED
AFTER ROUGH-GRADED SWALE
IS ESTABLISHED

NOTE: TO BE INSTALLED
AFTER PERMANENT SWALE
IS ESTABLISHED

RSF
199

SF
157

RSF
125

SB
733

VER-C

DP-E

NOG-S 24" PVC

60" STEEL CASING

NOG-S 24" PVC

VER-C

DP-E

VER-C

PHASE 2: DITCH ONLY.
BIOFILTRATION SWALE SHALL BE INSTALLED DURING
PHASE 3 CONSTRUCTION ACTIVITIES ONLY.
SEE NOTES 1 AND 2.

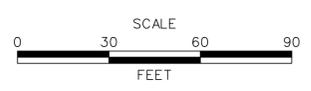
- NOTES:
- PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
 - PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.

BORROW SITE HYETTS CORNER LLC ONLY - NO MATCHLINE INDICATED.
EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED
ON THE BORROW SITE GRADING FOR HYETTS CORNER LLC SHEET (GR-05).
CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED
WITH THIS SHEET.

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

CS-38
SHEET NO.
711
TOTAL SHTS.
875

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
40*	819+11	827+88	160.0	940'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

BORROW SITE VILLAGE OF SCOTT RUN WEST ONLY - NO MATCHLINE INDICATED FOR EROSION AND SEDIMENT CONTROL CRITERIA WITHIN THIS BOUNDARY, SEE BORROW SITE PLAN FOR VILLAGE OF SCOTT RUN WEST (GR-02). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THIS SHEET.

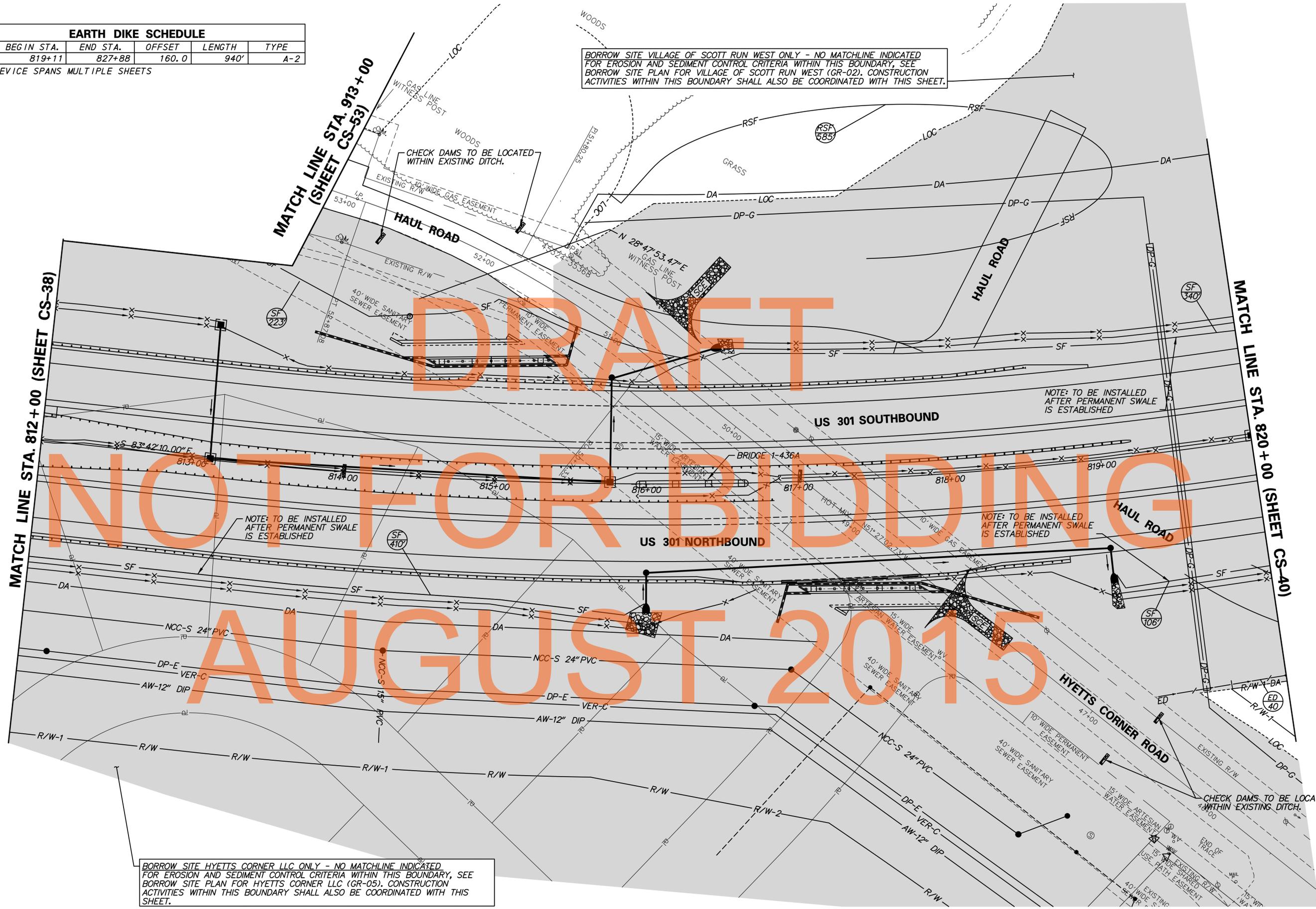
CHECK DAMS TO BE LOCATED WITHIN EXISTING DITCH.

NOTE: TO BE INSTALLED AFTER PERMANENT SWALE IS ESTABLISHED

NOTE: TO BE INSTALLED AFTER PERMANENT SWALE IS ESTABLISHED

NOTE: TO BE INSTALLED AFTER PERMANENT SWALE IS ESTABLISHED

BORROW SITE HYETTS CORNER LLC ONLY - NO MATCHLINE INDICATED FOR EROSION AND SEDIMENT CONTROL CRITERIA WITHIN THIS BOUNDARY, SEE BORROW SITE PLAN FOR HYETTS CORNER LLC (GR-05). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THIS SHEET.

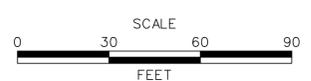


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NOT FOR BIDDING
AUGUST 2015

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: GRP
COUNTY	CHECKED BY: TAO
NEW CASTLE	

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

CS-39	SHEET NO.
	712
	TOTAL SHTS.
	875

BORROW SITE VILLAGE OF SCOTT RUN WEST ONLY - NO MATCHLINE INDICATED FOR EROSION AND SEDIMENT CONTROL CRITERIA WITHIN THIS BOUNDARY; SEE BORROW SITE PLAN FOR VILLAGE OF SCOTT RUN WEST (GR-02). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THIS SHEET.

SWM BMP NO. 734 SHALL BE COMPLETED DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP NO. 734 FOR DETAILS.

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

NOTE: SF TO BE INSTALLED AFTER PERMANENT SWALE AND ROUGH-GRADED BIOFILTRATION SWALE ARE ESTABLISHED

NOTE: SF TO BE INSTALLED AFTER PERMANENT SWALE AND ROUGH-GRADED BIOFILTRATION SWALE ARE ESTABLISHED

HAUL ROAD

MATCH LINE STA. 820+00 (SHEET CS-39)

MATCH LINE STA. 828+00 (SHEET CS-41)

US 301 SOUTHBOUND

US 301 NORTHBOUND

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
40*	819+11	827+88	160.0	940'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

SEDIMENT BASIN SCHEDULE	
NO.	SB734
DRAINAGE AREA, AC.	16.57
FACILITY AREA, AC.	1.44
REQUIRED STORAGE (V _s), CY	2221
CLEAN-OUT ELEV. (EL)	30.69
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	34.00
CREST OF EMERGENCY SPILLWAY ELEV.	31.35
EMERGENCY SPILLWAY DEPTH (D), FT.	2.65
EMERGENCY SPILLWAY WIDTH (B), FT.	1.20
SKIMMER ORIFICE DIAMETER	(2) 3"
SKIMMER ORIFICE INVERT	30.00

NOTES:

- PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
- PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.
- EXCAVATE SB734 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-26. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.
- PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 31.35. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICES SHALL BE ATTACHED TO PLYWOOD BAFFLE AT PERMANENT POOL ELEVATION 30.00. THE COST OF THE BAFFLE AND SKIMMER DEVICES AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

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SWM BMP NO. 737 SHALL BE COMPLETED DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP NO. 737 FOR DETAILS.

BORROW SITE VILLAGE OF SCOTT RUN WEST AND EAST ONLY - NO MATCHLINE INDICATED FOR EROSION AND SEDIMENT CONTROL CRITERIA AT BORROW SITES, SEE BORROW SITE PLANS FOR VILLAGE OF SCOTT RUN WEST AND EAST (GR-02, GR-03 AND GR-04). CONSTRUCTION ACTIVITIES ON THE BORROW SITE SHEETS SHALL ALSO BE COORDINATED WITH THIS SHEET.

SCOTT RUN TRIBUTARY REACH ONLY 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 BRIDGE BR 1-436.

NO EXCAVATION OR GRADING SHALL ENCROACH UPON THE WETLANDS.

NOTE: SF TO BE INSTALLED AFTER ROUGH-GRADED BIOFILTRATION SWALE IS ESTABLISHED

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

NOTE: SF TO BE INSTALLED AFTER PERMANENT SWALE AND ROUGH-GRADED BIOFILTRATION SWALE ARE ESTABLISHED

NOTE: SF TO BE INSTALLED AFTER ROUGH-GRADED BIOFILTRATION SWALE IS ESTABLISHED

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

MATCH LINE STA. 828+00 (SHEET CS-40)

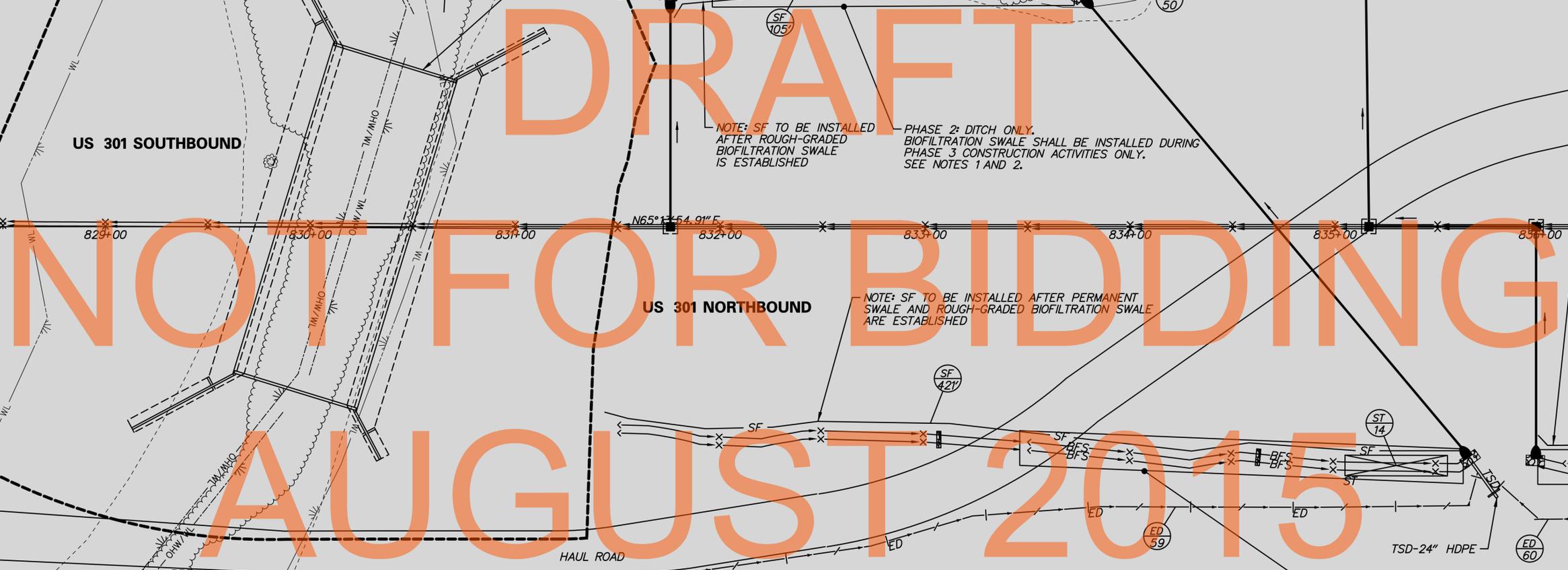
MATCH LINE STA. 837+00 (SHEET CS-42)

US 301 SOUTHBOUND

US 301 NORTHBOUND

HAUL ROAD

ACCESS FOR CONTRACT T200911302



DRAFT
NOT FOR BIDDING
AUGUST 2015

NOTES:

- PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/ INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
- PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/ INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE
- EXCAVATE SB737 BASIN TO LINES AND GRADES SHOWN ON SHEET SW-30. OVEREXCAVATE THE BOTTOM OF POOLS 2 FEET FOR SEDIMENT STORAGE. SEE CORRESPONDING STORMWATER MANAGEMENT PLANS FOR ADDITIONAL DETAILS AND INSTRUCTIONS.

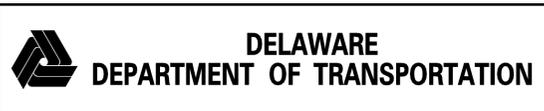
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
12	1.39 AC	54'	26'	2.00'	STONE	31.00	28.00	6'	32.00
14	1.16 AC	44'	24'	2.00'	STONE	35.00	32.00	5'	36.00

**NOTES:
7. SEE SHEET GR-02 FOR ST 21 INFORMATION AND SHEET GR-03 FOR ST 13 INFORMATION.
NOTES, CONTINUED:
4. PLACE EXTERIOR GRADE PLYWOOD ACROSS WEIR OPENING IN ORDER TO FORM CREST AT ELEVATION 29.56. PLYWOOD SHALL BE AFFIXED TO WEIR WALL USING CONSTRUCTION ADHESIVE OR OTHER APPROVED MEANS. SKIMMER DEVICE SHALL BE ATTACHED TO PLYWOOD AT PERMANENT POOL ELEVATION 28.00. THE COST OF THE BAFFLE AND SKIMMER DEVICE AND MAINTENANCE AND/OR REPLACEMENT OF BOTH THROUGHOUT CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 272500. SEE STORMWATER MANAGEMENT PLANS FOR INFORMATION REGARDING CONVERSION OF SEDIMENT BASIN TO STORMWATER MANAGEMENT POND.

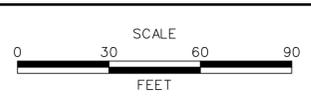
NO.	SB737
DRAINAGE AREA, AC.	9.03
FACILITY AREA, AC.	0.75
REQUIRED STORAGE (Vs), CY	1210
CLEAN-OUT ELEV. (EL)	28.81
EMBANKMENT TOP WIDTH (TW), FT.	10.00
TOP OF EMBANKMENT ELEV. (TOB)	32.00
CREST OF EMERGENCY SPILLWAY ELEV.	29.56
EMERGENCY SPILLWAY DEPTH (D), FT.	2.44
EMERGENCY SPILLWAY WIDTH (B), FT.	1.30
SKIMMER ORIFICE DIAMETER	3"
SKIMMER ORIFICE INVERT	28.00

NO.	BEG IN STA.	END STA.	OFFSET	LENGTH	TYPE
47**	828+72	829+18	-300.00	430'	A-2
48	830+69	831+17	-158.00	48'	A-1
49	832+43	832+80	-158.00	55'	A-1
50	833+82	833+86	-155.00	55'	A-1
51	833+49	833+64	-235.00	75'	A-1
59	831+84	835+20	136.00	401'	A-1
60*	835+30	847+71	94.00	1202'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS
**ESC DEVICE SPANS MULTIPLE SHEETS, SEE SHEET GR-02.



ADDENDUMS / REVISIONS	



US 301, SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

CS-41	SHEET NO. 714
	TOTAL SHTS. 875

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SWM BMP NO. 737 SHALL BE COMPLETED DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP NO. 737 FOR DETAILS.

BORROW SITE VILLAGE OF SCOTT RUN EAST ONLY - NO MATCHLINE INDICATED. EROSION AND SEDIMENT CONTROL DEVICES SHOWN HEREON ARE LOCATED ON THE BORROW SITE GRADING FOR VILLAGE OF SCOTT RUN EAST SHEETS (GR-03 AND GR-04). CONSTRUCTION ACTIVITIES ON THE GRADING SHEETS SHALL ALSO BE COORDINATED WITH THIS SHEET.

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

NOTE: SF TO BE INSTALLED AFTER PERMANENT SWALE AND ROUGH-GRADED BIOFILTRATION SWALE ARE ESTABLISHED.

NOTE: SF TO BE INSTALLED AFTER PERMANENT SWALE IS ESTABLISHED.

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

MATCH LINE STA. 837+00 (SHEET CS-41)

MATCH LINE STA. 845+50 (SHEET CS-43)

DRAFT

NOT FOR BIDDING

AUGUST 2015

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
60*	835+30	847+71	94.00	1202'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

NOTES:

- PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
- PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WETSEED MIX/INFILTRATION TRENCH STONE.

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ADDENDUMS / REVISIONS

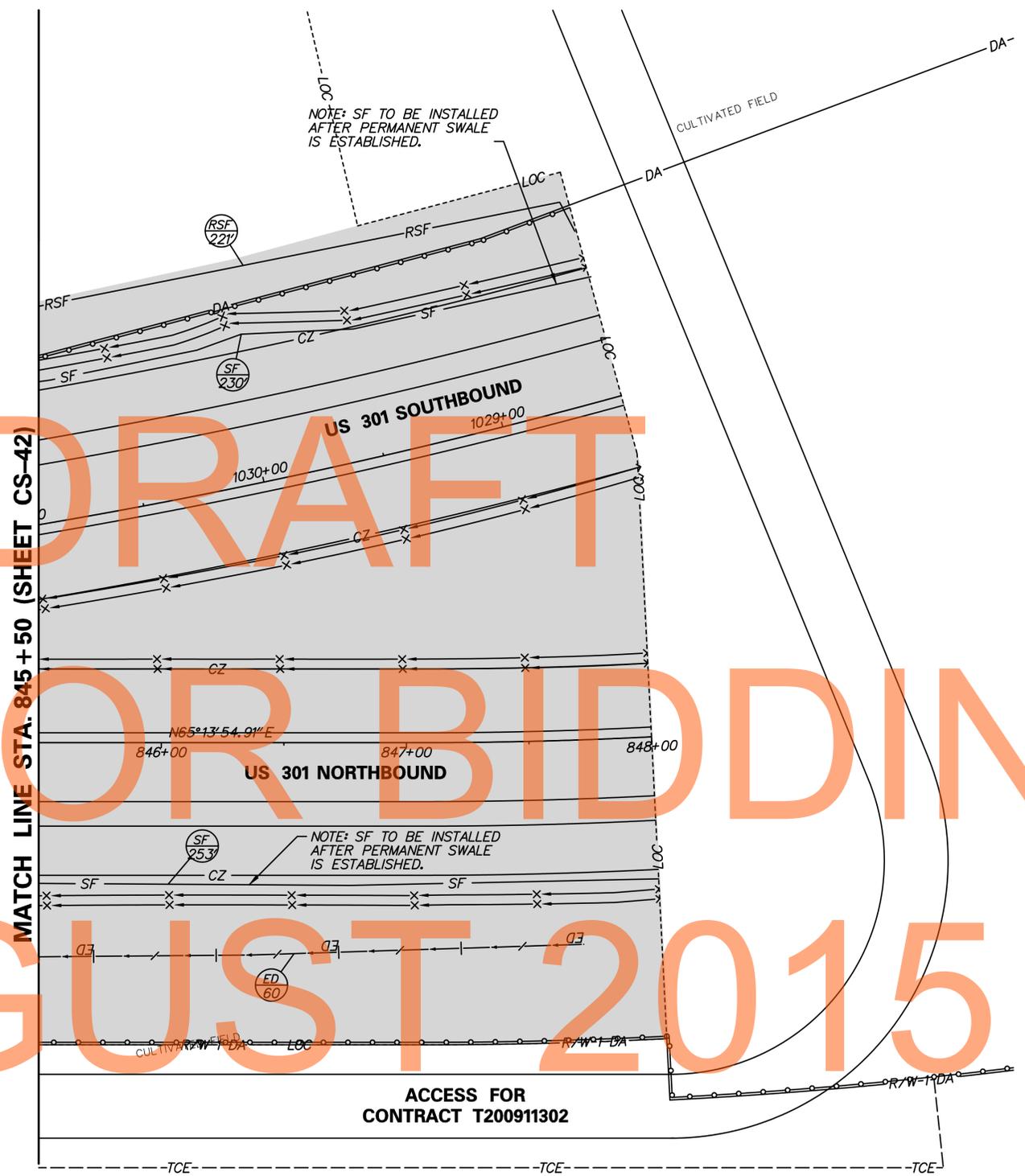
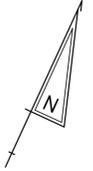


**US 301,
SR 896 TO SR 1**

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

CS-42
SHEET NO.
715
TOTAL SHTS.
875



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NOT FOR BIDDING

AUGUST 2015

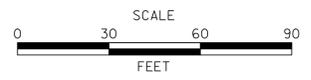
EARTH DIKE SCHEDULE					
NO.	BEG IN STA.	END STA.	OFFSET	LENGTH	TYPE
60*	835+30	847+71	94.00	1202'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

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ADDENDUMS / REVISIONS	

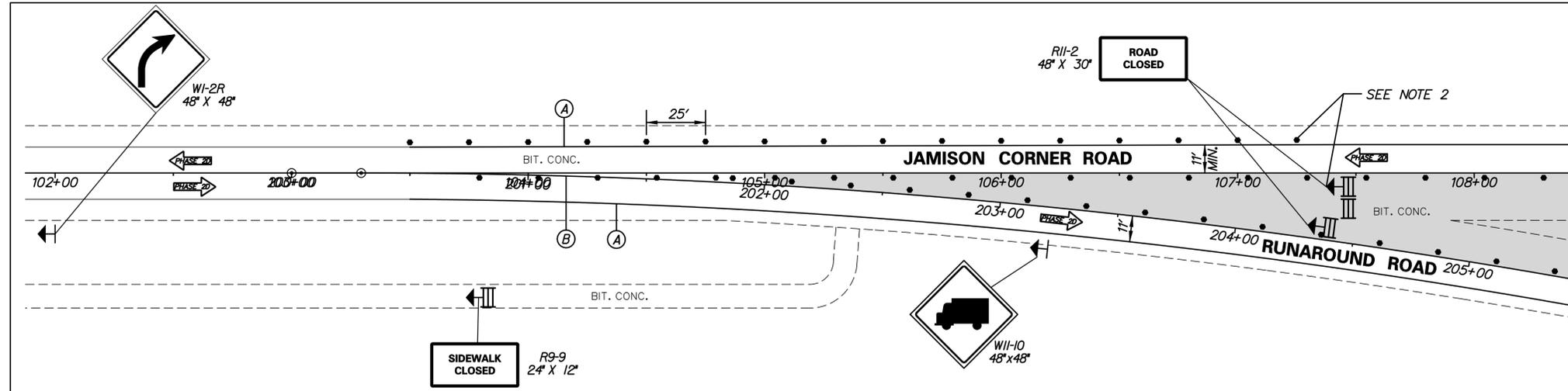


US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

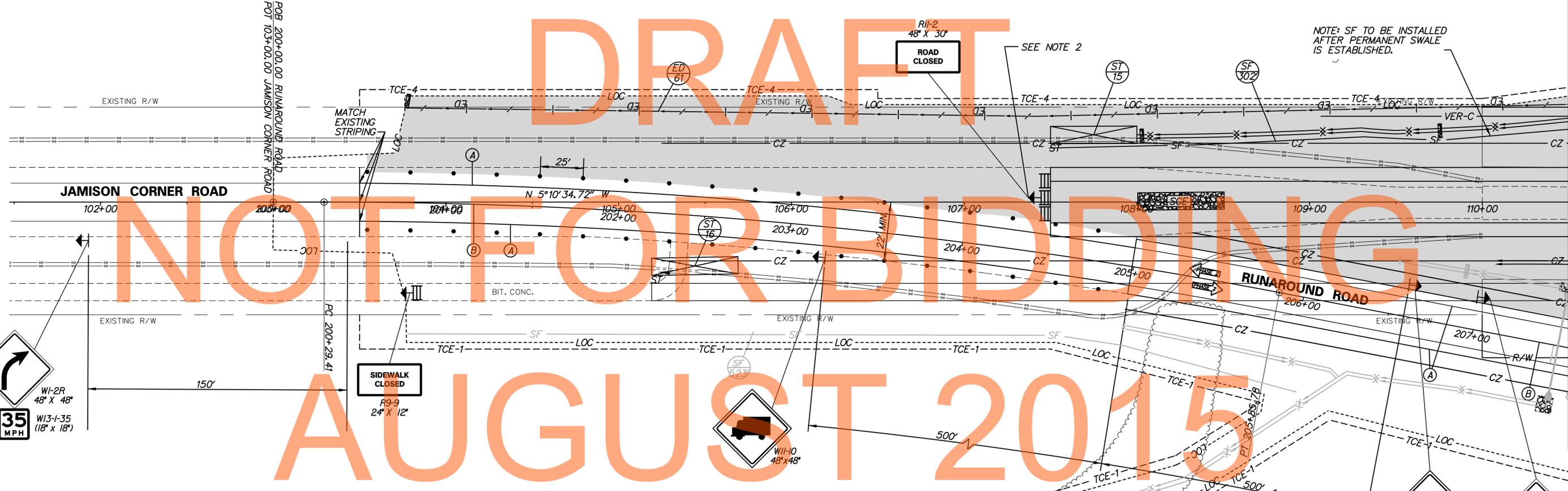
CS-43
SHEET NO.
716
TOTAL SHTS.
875



PHASE 2D - MOT DETAIL
(SEE NOTE 2)

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
61*	103+77	114+11	-57.00	1035'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS



DRAFT
NOT FOR BIDDING
AUGUST 2015

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
15	0.91 AC	40'	22'	2.00'	STONE	72.00	69.00	4'	73.00
16	1.32 AC	46'	26'	2.00'	STONE	72.00	69.00	5'	73.00

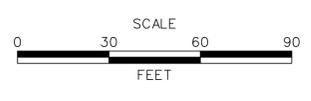
CONSTRUCTION STAGING NOTES:

- AFTER PHASE 2 MOT DEVICES ARE INSTALLED AND TRAFFIC ALONG JAMISON CORNER ROAD IS SHIFTED TO THE RUNAROUND ROAD, THE CONTRACTOR SHALL BEGIN HAULING OPERATIONS AND CONSTRUCT THE ROADWAY APPROACHES FOR BRIDGE 1-460A. UPON COMPLETION OF THE EARTHWORK GRADING FOR JAMISON CORNER ROAD, THE CONTRACTOR SHALL BEGIN TO INSTALL THE PROPOSED DRAINAGE AND ROADWAY IMPROVEMENTS ALONG JAMISON CORNER ROAD FROM APPROXIMATELY STA. 103+50 TO STA. 131+80 CONCURRENT WITH THE CONSTRUCTION OF BRIDGE 1-460A. DURING PHASE 2B CONSTRUCTION, THE CONTRACTOR SHALL INSTALL THE PROPOSED DRAINAGE, CURB, PAVEMENT AND SHARED USE PATH ALONG THE RIGHT SIDE OF JAMISON CORNER ROAD UP TO STA. 130+75 AND ALONG THE LEFT SIDE UP TO STA. 131+80, WHERE THE PROPOSED CURB MEETS THE EXISTING CURB CONSTRUCTED UNDER CONTRACT T200912001.
- UPON COMPLETING BRIDGE 1-460A DURING PHASE 2C CONSTRUCTION, THE CONTRACTOR SHALL MODIFY THE MOT DEVICES SHOWN ON THIS PLAN TO SHIFT SOUTHBOUND JAMISON CORNER ROAD TRAFFIC TO THE NEWLY CONSTRUCTED ROADWAY AND MAINTAIN NORTHBOUND JAMISON CORNER ROAD TRAFFIC ALONG THE RUNAROUND ROAD. DURING STAGE 2D CONSTRUCTION, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED MEDIAN ISLAND ALONG THE NORTHBOUND JAMISON CORNER ROAD APPROACH TO THE ROUNDABOUT NEAR STA. 132+50. THE CONTRACTOR SHALL ALSO COMPLETE ADDITIONAL PAVEMENT CONSTRUCTION NECESSARY TO TRANSITION THE PROPOSED NORTHBOUND TRAVEL LANE AT THE ROUNDABOUT. ANY TEMPORARY LANE CLOSURES REQUIRED DURING STAGE 2D CONSTRUCTION SHALL REQUIRE FLAGGER CONTROL.

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	1,410 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	727 LF



ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

CS-44
SHEET NO. 717
TOTAL SHTS. 875

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EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
61*	103+77	114+11	-57.00	1035'	A-2
76*	19+47	26+59	95.00	728'	A-1
77	114+73	116+94	-97.00	232'	A-1

*ESC DEVICE SPANS MULTIPLE SHEETS

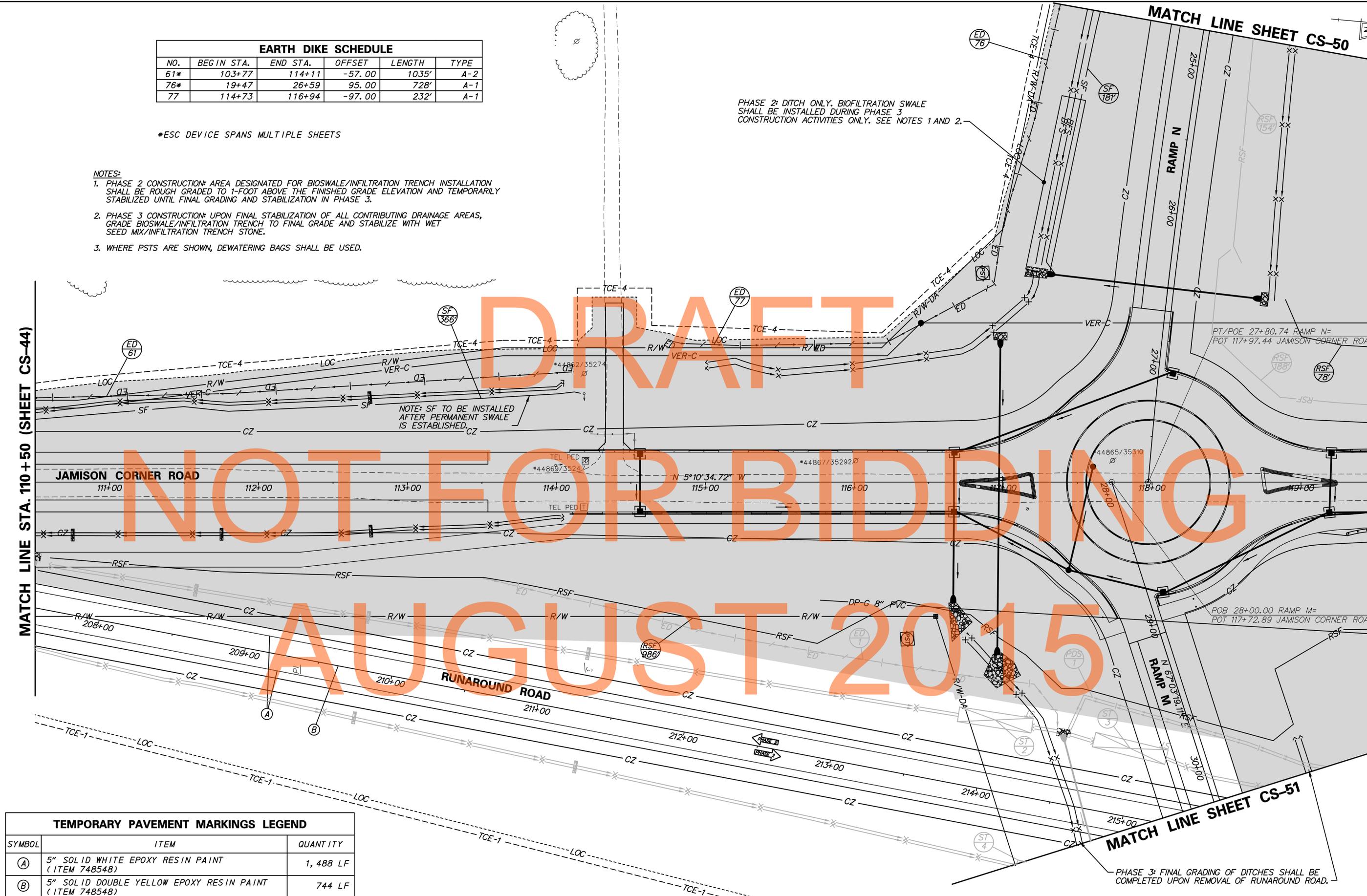
NOTES:

- PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
- PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.
- WHERE PSTS ARE SHOWN, DEWATERING BAGS SHALL BE USED.

PHASE 2: DITCH ONLY. BIOFILTRATION SWALE SHALL BE INSTALLED DURING PHASE 3 CONSTRUCTION ACTIVITIES ONLY. SEE NOTES 1 AND 2.

MATCH LINE STA. 110+50 (SHEET CS-44)

MATCH LINE STA. 119+50 (SHEET CS-34)

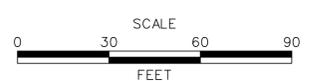


JAMISON CORNER ROAD
111+00 112+00 113+00 114+00 115+00 116+00 117+00

RUNAROUND ROAD
210+00 211+00 212+00 213+00 214+00 215+00

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	1,488 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	744 LF

ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

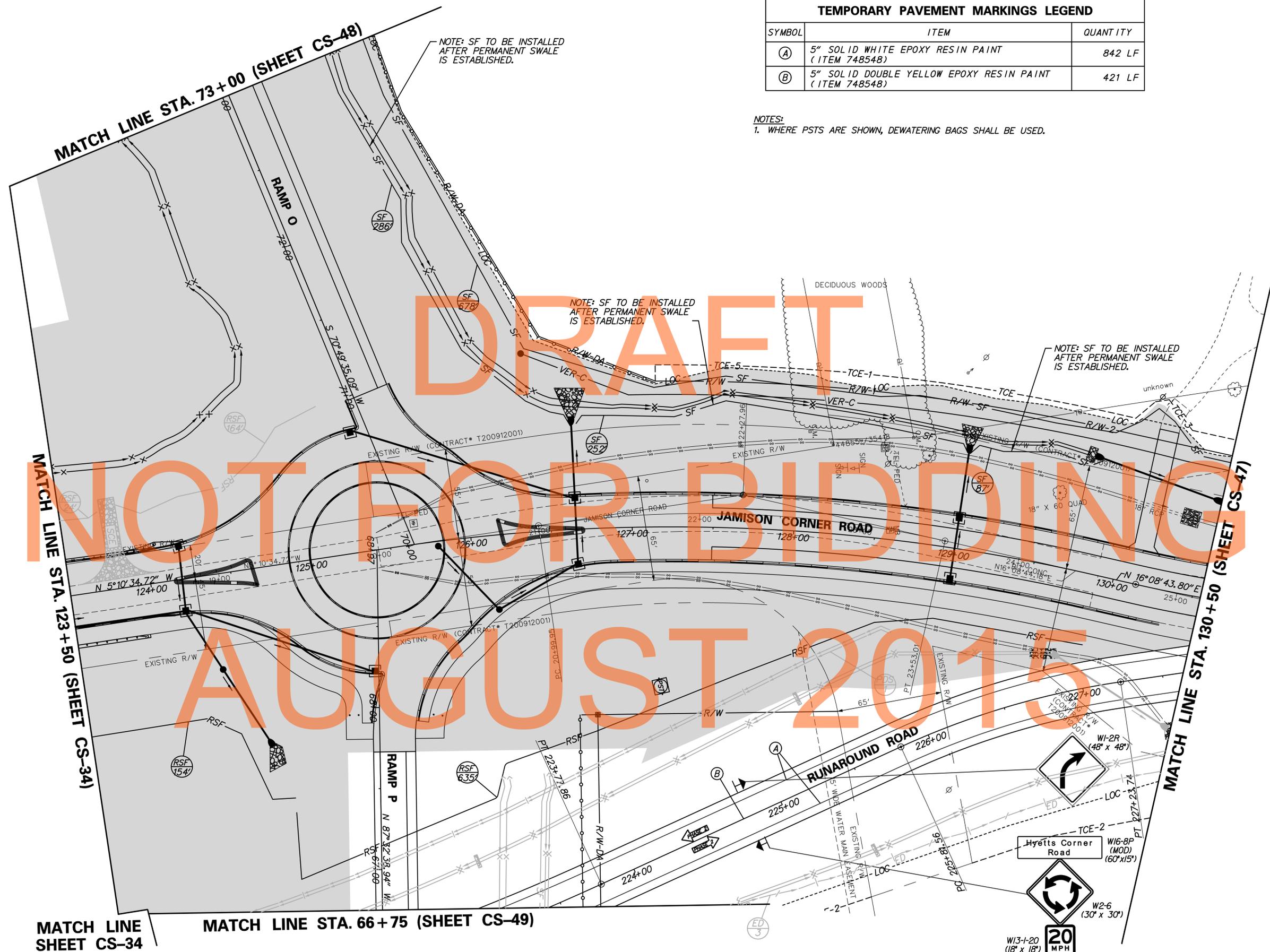
CS-45
SHEET NO. 718
TOTAL SHTS. 875

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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	842 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	421 LF



NOTES:
1. WHERE PSTS ARE SHOWN, DEWATERING BAGS SHALL BE USED.



MATCH LINE STA. 123+50 (SHEET CS-34)

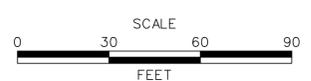
MATCH LINE STA. 66+75 (SHEET CS-49)

MATCH LINE STA. 130+50 (SHEET CS-47)

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

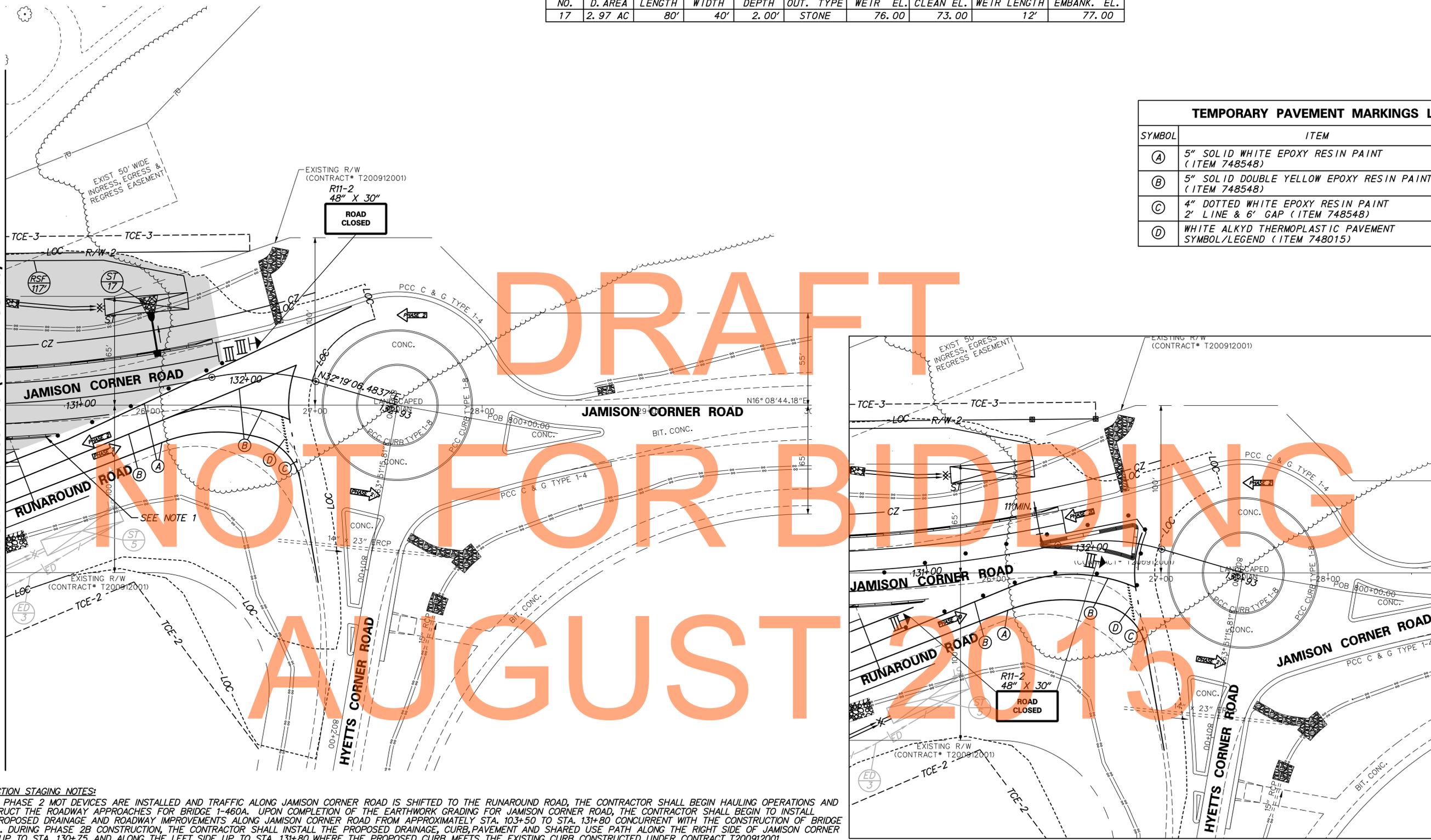
CS-46
SHEET NO. 719
TOTAL SHTS. 875

SEDIMENT TRAP SCHEDULE										
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.	
17	2.97 AC	80'	40'	2.00'	STONE	76.00	73.00	12'	77.00	



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	487 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	297 LF
(C)	4" DOTTED WHITE EPOXY RESIN PAINT 2' LINE & 6' GAP (ITEM 748548)	10 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	10 SF

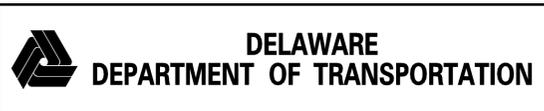
MATCH LINE 130+50 (SHEET CS-46)



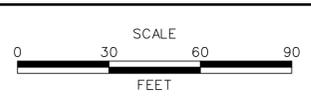
- CONSTRUCTION STAGING NOTES:**
- AFTER PHASE 2 MOT DEVICES ARE INSTALLED AND TRAFFIC ALONG JAMISON CORNER ROAD IS SHIFTED TO THE RUNAROUND ROAD, THE CONTRACTOR SHALL BEGIN HAULING OPERATIONS AND CONSTRUCT THE ROADWAY APPROACHES FOR BRIDGE 1-460A. UPON COMPLETION OF THE EARTHWORK GRADING FOR JAMISON CORNER ROAD, THE CONTRACTOR SHALL BEGIN TO INSTALL THE PROPOSED DRAINAGE AND ROADWAY IMPROVEMENTS ALONG JAMISON CORNER ROAD FROM APPROXIMATELY STA. 103+50 TO STA. 131+80 CONCURRENT WITH THE CONSTRUCTION OF BRIDGE 1-460A. DURING PHASE 2B CONSTRUCTION, THE CONTRACTOR SHALL INSTALL THE PROPOSED DRAINAGE, CURB, PAVEMENT AND SHARED USE PATH ALONG THE RIGHT SIDE OF JAMISON CORNER ROAD UP TO STA. 130+75 AND ALONG THE LEFT SIDE UP TO STA. 131+80, WHERE THE PROPOSED CURB MEETS THE EXISTING CURB CONSTRUCTED UNDER CONTRACT T200912001.
 - UPON COMPLETING BRIDGE 1-460A DURING PHASE 2C CONSTRUCTION, THE CONTRACTOR SHALL INSTALL THE MOT DEVICES AS SHOWN ON THIS PLAN TO SHIFT SOUTHBOUND JAMISON CORNER ROAD TRAFFIC TO THE NEWLY CONSTRUCTED ROADWAY AND MAINTAIN NORTHBOUND JAMISON CORNER ROAD TRAFFIC ALONG THE RUNAROUND ROAD. DURING STAGE 2D CONSTRUCTION, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED MEDIAN ISLAND ALONG THE NORTHBOUND JAMISON CORNER ROAD APPROACH TO THE ROUNDABOUT. THE CONTRACTOR SHALL ALSO COMPLETE ADDITIONAL PAVEMENT CONSTRUCTION NECESSARY TO TRANSITION THE PROPOSED NORTHBOUND TRAVEL LANE AT THE ROUNDABOUT. ANY TEMPORARY LANE CLOSURES REQUIRED DURING STAGE 2D CONSTRUCTION SHALL REQUIRE FLAGGER CONTROL.
 - DURING PHASE 2D, THE CONTRACTOR IS PERMITTED TO UTILIZE THE RUNAROUND ROAD TO PROVIDE ACCESS FOR CONSTRUCTING THE DRAINAGE, CURB, PAVEMENT, AND SHARED USE PATH ALONG THE RIGHT SIDE OF JAMISON CORNER ROAD FROM ABOUT STA. 130+75 TO STA. 132+89. PRIOR TO BEGINNING PHASE 3 CONSTRUCTION, THE CONTRACTOR SHALL REMOVE MOT DEVICES FROM PHASE 2 AND INSTALL PROPOSED MOT DEVICES FOR PHASE 3. DURING PHASE 3 CONSTRUCTION, TRAFFIC SHALL BE SHIFTED TO THE NEWLY CONSTRUCTED JAMISON CORNER ROAD AND THE RUNAROUND ROAD SHALL BE REMOVED.

PHASE 2D - MOT DETAIL
(SEE NOTE 2)

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ADDENDUMS / REVISIONS

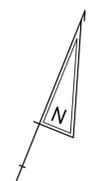


US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

CS-47
SHEET NO.
720
TOTAL SHTS.
875



PHASE 2: DITCH ONLY.
INFILTRATION TRENCH SHALL BE INSTALLED DURING
PHASE 3 CONSTRUCTION ACTIVITIES ONLY.
SEE NOTES 1 AND 2.

229

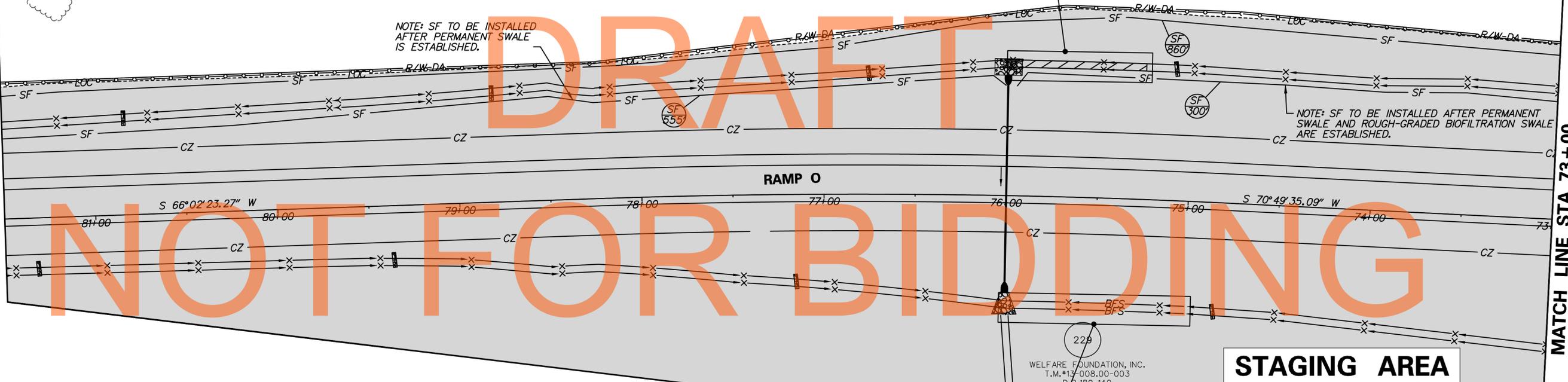
WELFARE FOUNDATION, INC.
T.M.*13-008.00-003
D.R.189-140

NOTE: SF TO BE INSTALLED
AFTER PERMANENT SWALE
IS ESTABLISHED.

NOTE: SF TO BE INSTALLED AFTER PERMANENT
SWALE AND ROUGH-GRADED BIOFILTRATION SWALE
ARE ESTABLISHED.

MATCH LINE STA. 81+50
(SHEET CS-32)

MATCH LINE STA. 73+00
(SHEET CS-46)



NOTES:

1. PHASE 2 CONSTRUCTION: AREA DESIGNATED FOR BIOSWALE/INFILTRATION TRENCH INSTALLATION SHALL BE ROUGH GRADED TO 1-FOOT ABOVE THE FINISHED GRADE ELEVATION AND TEMPORARILY STABILIZED UNTIL FINAL GRADING AND STABILIZATION IN PHASE 3.
2. PHASE 3 CONSTRUCTION: UPON FINAL STABILIZATION OF ALL CONTRIBUTING DRAINAGE AREAS, GRADE BIOSWALE/INFILTRATION TRENCH TO FINAL GRADE AND STABILIZE WITH WET SEED MIX/INFILTRATION TRENCH STONE.

PHASE 2: DITCH ONLY.
BIOFILTRATION SWALE SHALL BE INSTALLED DURING
PHASE 3 CONSTRUCTION ACTIVITIES ONLY.
SEE NOTES 1 AND 2.

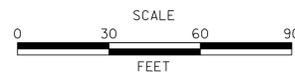
229

WELFARE FOUNDATION, INC.
T.M.*13-008.00-003
D.R.189-140

STAGING AREA

MATCH LINE SHEET CS-32

ADDENDUMS / REVISIONS



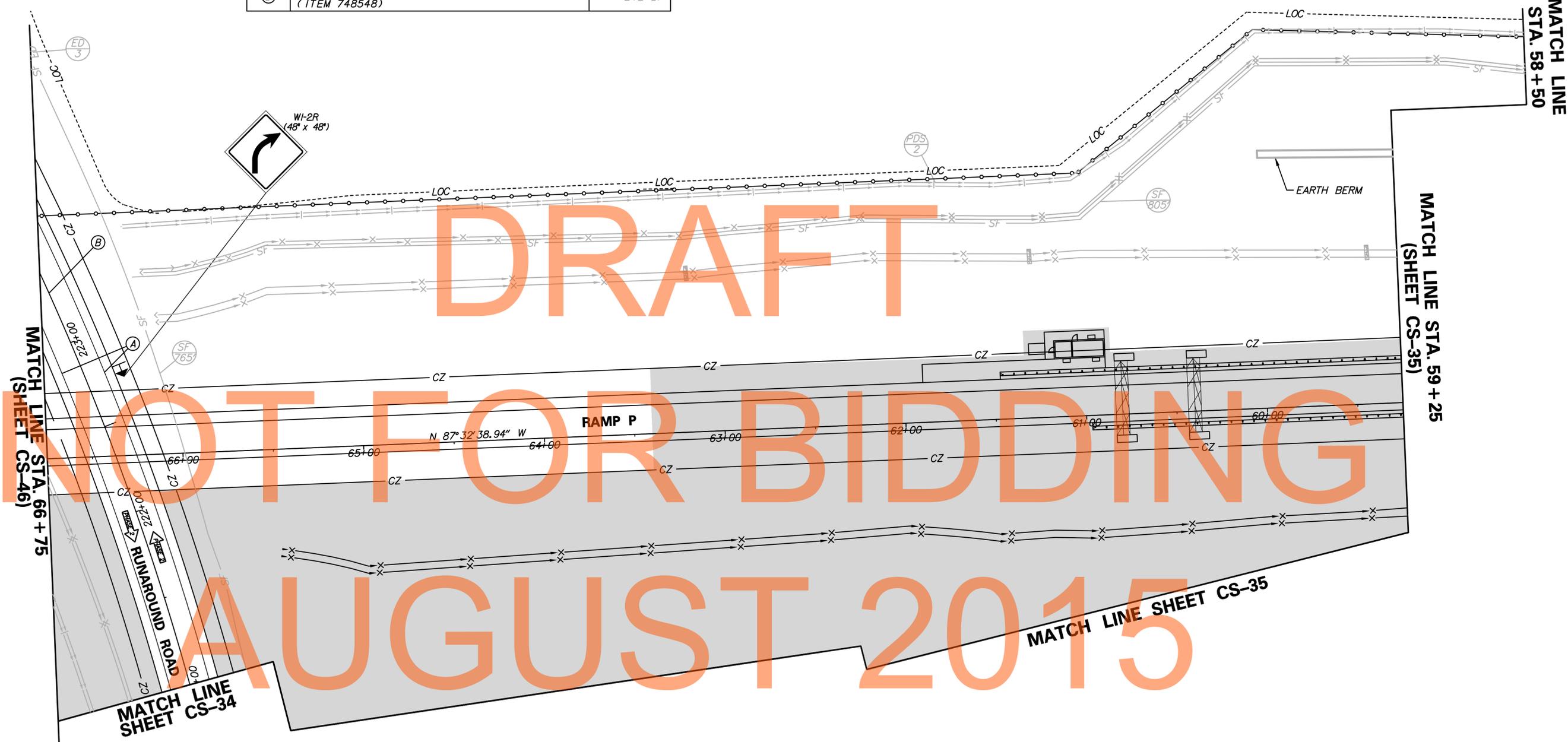
US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

CS-48
SHEET NO.
721
TOTAL SHTS.
875

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	483 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	242 LF



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ADDENDUMS / REVISIONS	

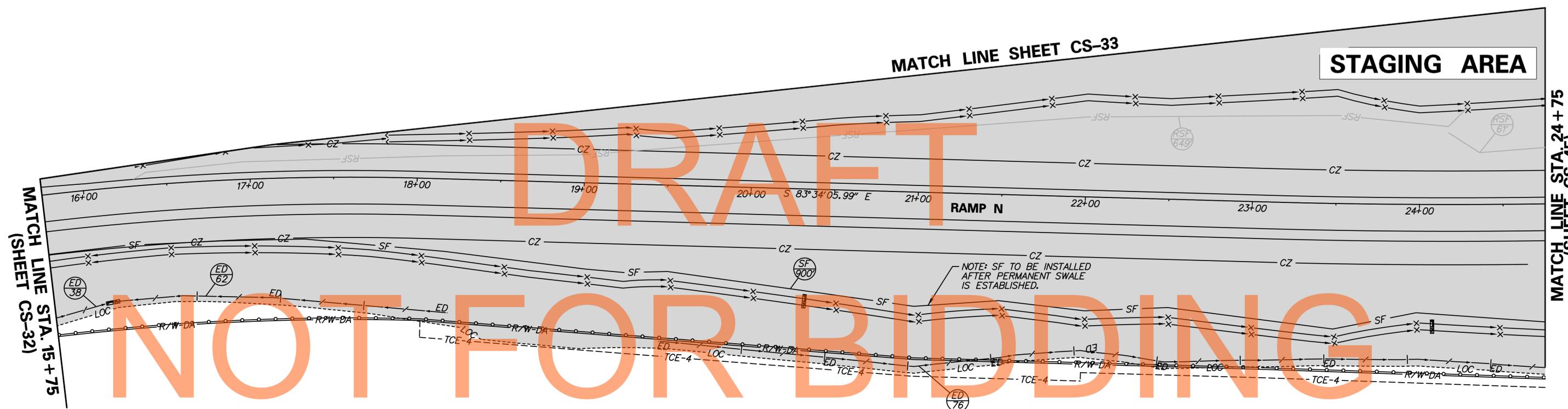


**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

CS-49
SHEET NO. 722
TOTAL SHTS. 875



EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
38*	756+21	759+64	163.00	345'	A-1
62	16+15	18+20	72.00	197'	A-1
76*	19+47	26+59	95.00	728'	A-1

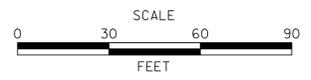
*ESC DEVICE SPANS MULTIPLE SHEETS

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AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

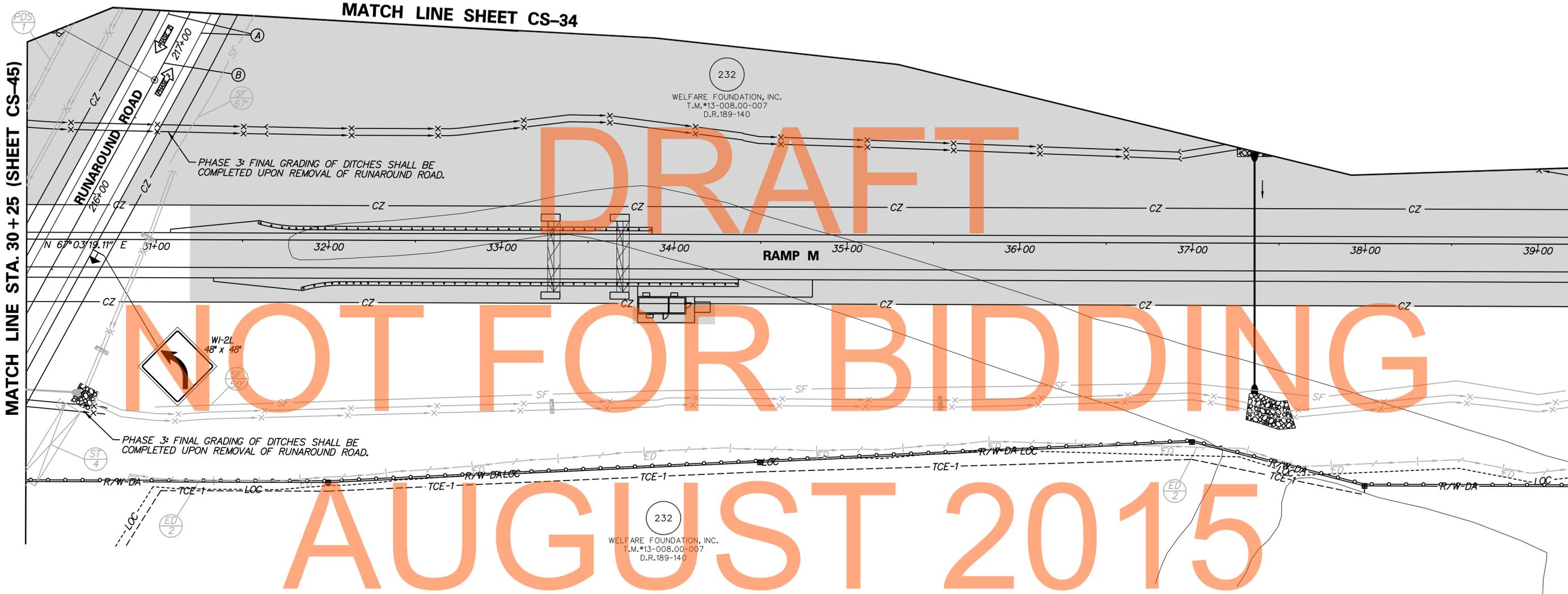
CS-50
SHEET NO. 723
TOTAL SHTS. 875



MATCH LINE SHEET CS-34

MATCH LINE STA. 30 + 25 (SHEET CS-45)

MATCH LINE STA. 39 + 25 (SHEET CS-35)



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	396 LF
(B)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	195 LF

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

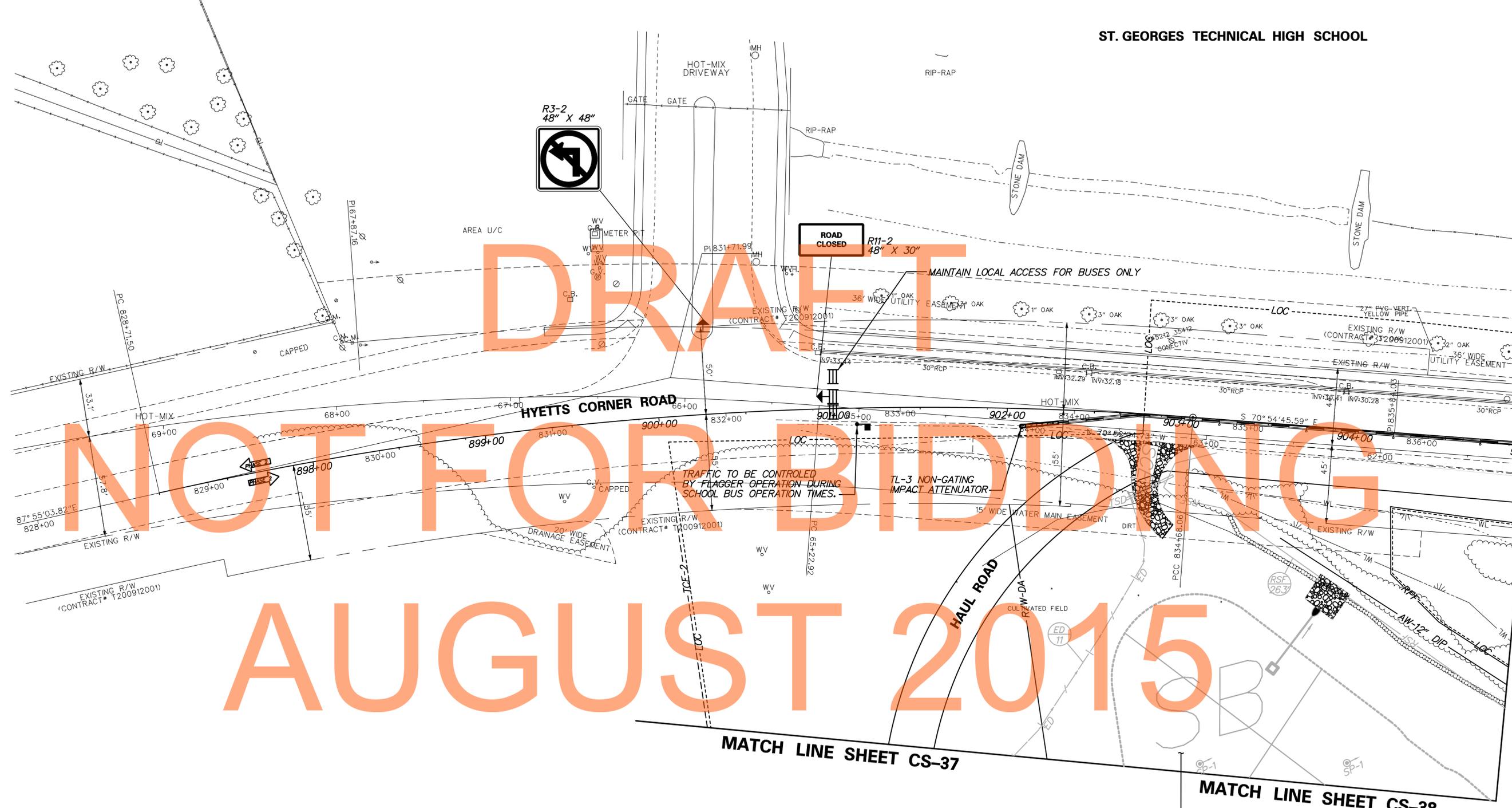
CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

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

CS-51
SHEET NO.
724
TOTAL SHTS.
875



ST. GEORGES TECHNICAL HIGH SCHOOL



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MATCH LINE STA. 905+00 (SHEET CS-53)

MATCH LINE SHEET CS-37

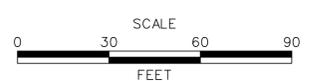
MATCH LINE SHEET CS-38

SWM BMP NO. 733 SHALL BE COMPLETED DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP NO. 733 FOR DETAILS.

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ADDENDUMS / REVISIONS	

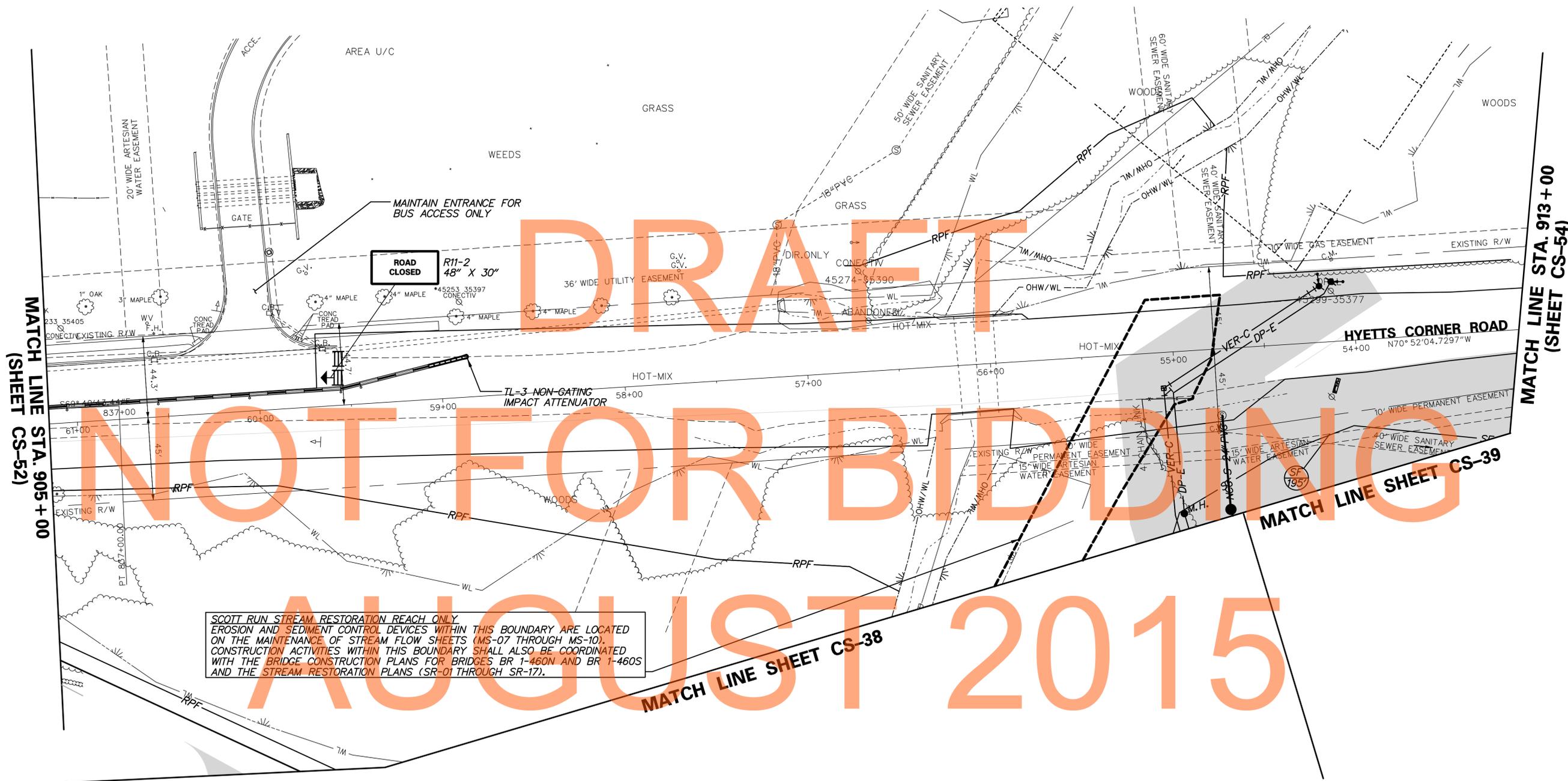
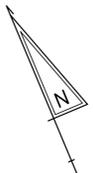


US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

CS-52
SHEET NO. 725
TOTAL SHTS. 875



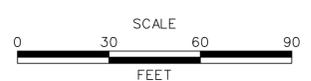
SCOTT RUN STREAM RESTORATION REACH ONLY. EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED ON THE MAINTENANCE OF STREAM FLOW SHEETS (MS-07 THROUGH MS-10). CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGES BR 1-460N AND BR 1-460S AND THE STREAM RESTORATION PLANS (SR-01 THROUGH SR-17).

- NOTES:**
1. THIS SHEET IS SHOWN FOR LIMITS OF MAINTENANCE OF STREAMFLOW FOR CONSTRUCTION OF BRIDGES BR 1-460N AND BR 1-460S. SEE SHEETS MS-07 THROUGH MS-10 FOR EROSION AND SEDIMENT CONTROL DEVICES RELATED TO THOSE ACTIVITIES.
 2. THIS SHEET ALSO SHOWS CONSTRUCTION ACCESS ALONG HYETTS CORNER ROAD.

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

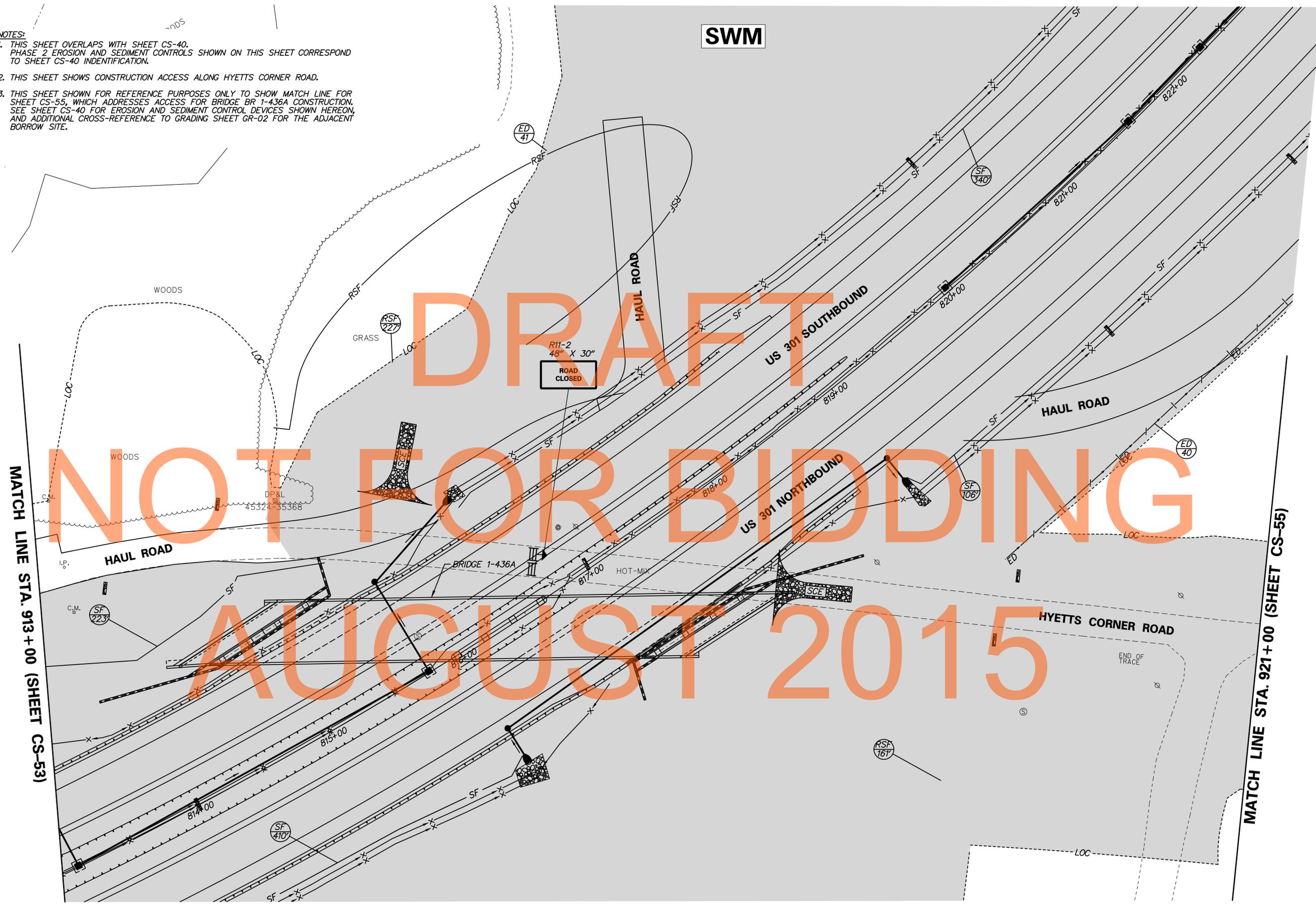
**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

CS-53
SHEET NO.
726
TOTAL SHTS.
875

NOTES:

1. THIS SHEET OVERLAPS WITH SHEET CS-40. PHASE 2 EROSION AND SEDIMENT CONTROLS SHOWN ON THIS SHEET CORRESPOND TO SHEET CS-40 IDENTIFICATION.
2. THIS SHEET SHOWS CONSTRUCTION ACCESS ALONG HYETTS CORNER ROAD.
3. THIS SHEET SHOWN FOR REFERENCE PURPOSES ONLY TO SHOW MATCH LINE FOR SHEET CS-55, WHICH ADDRESSES ACCESS FOR BRIDGE BR 1-436A CONSTRUCTION. SEE SHEET CS-40 FOR EROSION AND SEDIMENT CONTROL DEVICES SHOWN HEREON, AND ADDITIONAL CROSS-REFERENCE TO GRADING SHEET GR-02 FOR THE ADJACENT BORROW SITE.

SWM



MATCH LINE STA. 913+00 (SHEET CS-53)

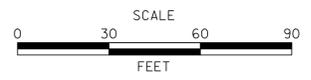
MATCH LINE STA. 921+00 (SHEET CS-55)

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AUGUST 2015

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ADDENDUMS / REVISIONS	

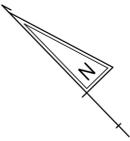


**US 301,
SR 896 TO SR 1**

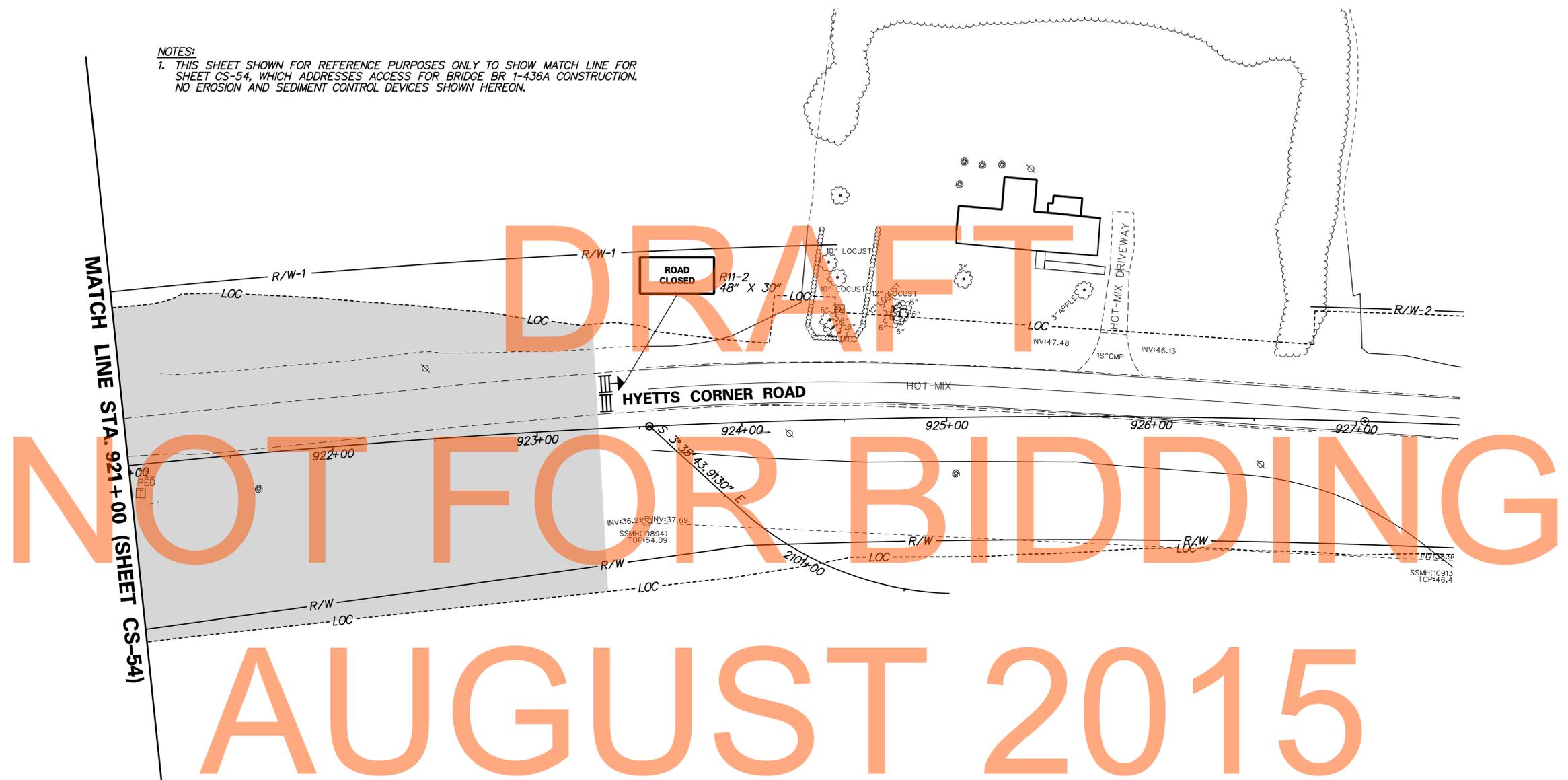
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

CS-54
SHEET NO. 727
TOTAL SHTS. 875



NOTES:
 1. THIS SHEET SHOWN FOR REFERENCE PURPOSES ONLY TO SHOW MATCH LINE FOR SHEET CS-54, WHICH ADDRESSES ACCESS FOR BRIDGE BR 1-436A CONSTRUCTION. NO EROSION AND SEDIMENT CONTROL DEVICES SHOWN HEREON.

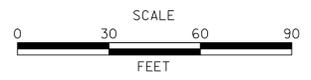


MATCH LINE STA. 921+00 (SHEET CS-54)

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

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

CS-55
SHEET NO. 728
TOTAL SHTS. 875



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AUGUST 2015

PHASE 2A - UTILITY RELOCATION SEQUENCE OF CONSTRUCTION

- 1) INSTALL DETOUR FOR HYETTS CORNER ROAD AND CLOSE ROADWAY BETWEEN STA. 907+00 AND STA. 925+00. MAINTAIN ACCESS TO ST. GEORGES TECHNICAL HIGH SCHOOL. HYETTS CORNER ROAD WILL REMAIN CLOSED FOR THE REMAINDER OF CONSTRUCTION (SEE DETOUR PLAN).
- 2) PLACE ALL PERTINENT TEMPORARY TRAFFIC CONTROL DEVICES FOR THIS PHASE.
- 3) INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL COORDINATE UTILITY WORK TO ENSURE THAT IT WILL NOT CONFLICT WITH MAINTENANCE OF STREAM FLOW AND STREAM RESTORATION FOR SCOTT RUN.
- 4) INSTALL TEMPORARY PIPE NO. 288 AND STABILIZED CONSTRUCTION ENTRANCE.
- 5) EXCAVATE FOR AND CONSTRUCT TEMPORARY SWALE TO DIVERT OFFSITE RUNOFF.
- 6) CLEAR AND GRUB WORK AREA AND EXCAVATE TO PROPOSED GRADE AS SHOWN ON SHEET UR-03.
- 7) INSTALL STABILIZED DRAINAGE DITCH AND CHECK DAMS. INSTALL REMAINING EROSION AND SEDIMENT CONTROL DEVICES.
- 8) EXCAVATE FOR AND CONSTRUCT PROPOSED 24-INCH SANITARY SEWER. UPON COMPLETION OF SEWER INSTALLATION, STABILIZE ALL DISTURBED AREAS AND INSTALL TURF TRAIL (SEE UR-02 AND DT-11).
- 9) THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE INSTALLATION OF THE PROPOSED FACILITIES IN ORDER TO MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES DURING UTILITY CONSTRUCTION FOR DELMARVA POWER, VERIZON AND ARTESIAN WATER.
- 10) UPON COMPLETION OF UTILITY CONSTRUCTION, TEMPORARY STABILIZATION WILL BE NEEDED AS EXCAVATION CONTINUES IN THIS AREA FOR US 301.

EARTH DIKE SCHEDULE

NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
71	910+56	911+70	25'	80'	A-1

TEMPORARY SWALE SCHEDULE

NO.	BEGIN STA.	OFFSET	END STA.	OFFSET	LENGTH	TYPE
1	912+35	41'	912+73	221'	186'	A
2	911+75	33'	918+88	59'	900'	A

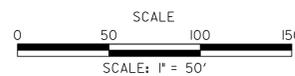
FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
249	18" RCP	0.0050	NO
250	18" RCP	0.0050	NO

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
288	18" RCP	IV	27'	0.0050	55.17	55.03

ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

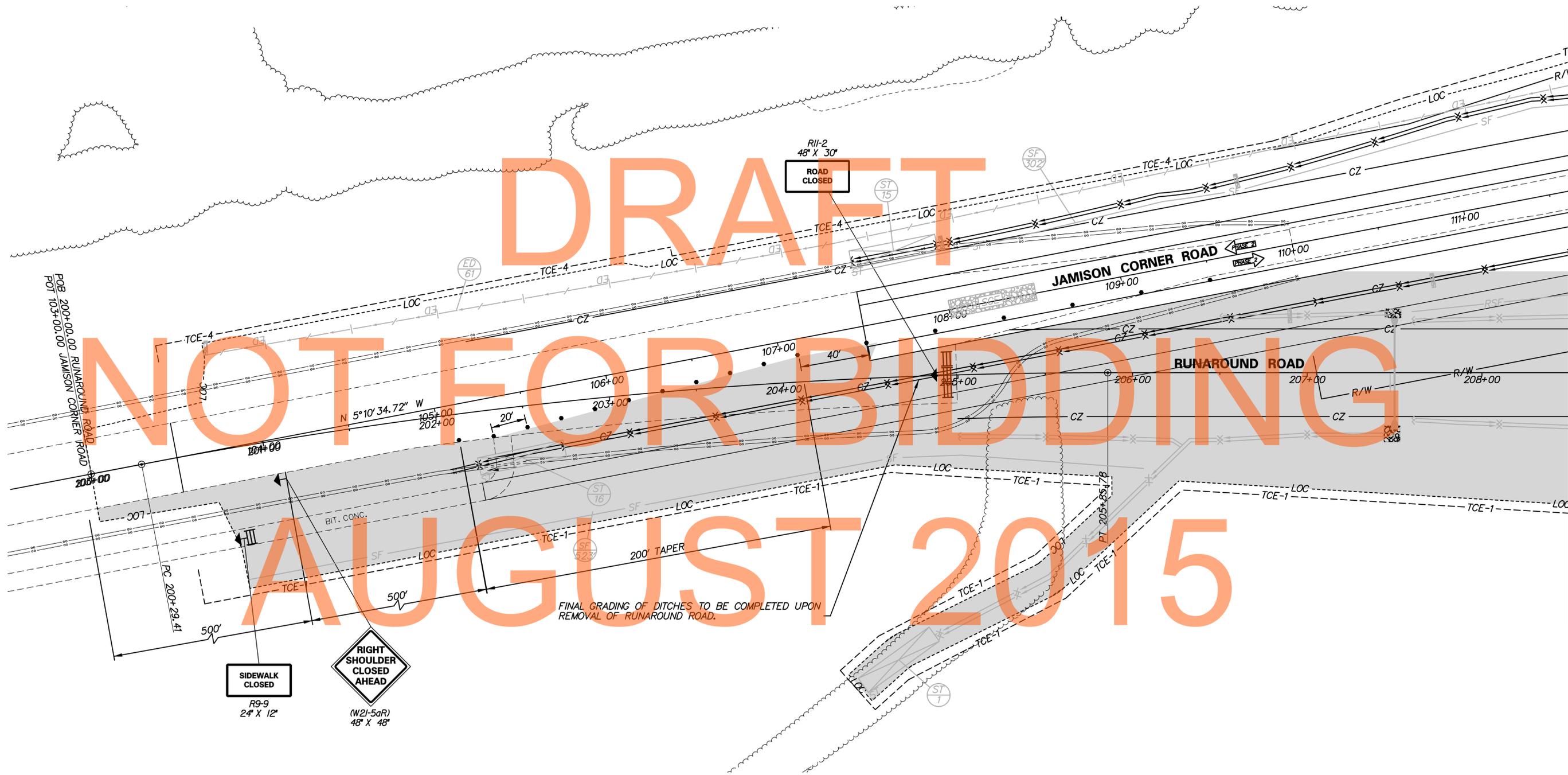
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.A.S.
	CHECKED BY: J.M.M.

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

CS-56
SHEET NO. 729
TOTAL SHTS. 875



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AUGUST 2015



POB 200+00.00 RUNAROUND ROAD
POT 103+00.00 JAMISON CORNER ROAD

PC 200+29.41

SIDEWALK CLOSED
R9-9
24" X 12"

RIGHT SHOULDER CLOSED AHEAD
(W21-5aR)
48" X 48"

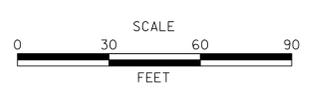
FINAL GRADING OF DITCHES TO BE COMPLETED UPON REMOVAL OF RUNAROUND ROAD.

MATCH LINE STA. 208+50 (SHEET CS-58)

\\p01653-000\contract\1a\cadd\CS057\1301_1A.dgn
08/23/2015 8:55:31 AM



ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

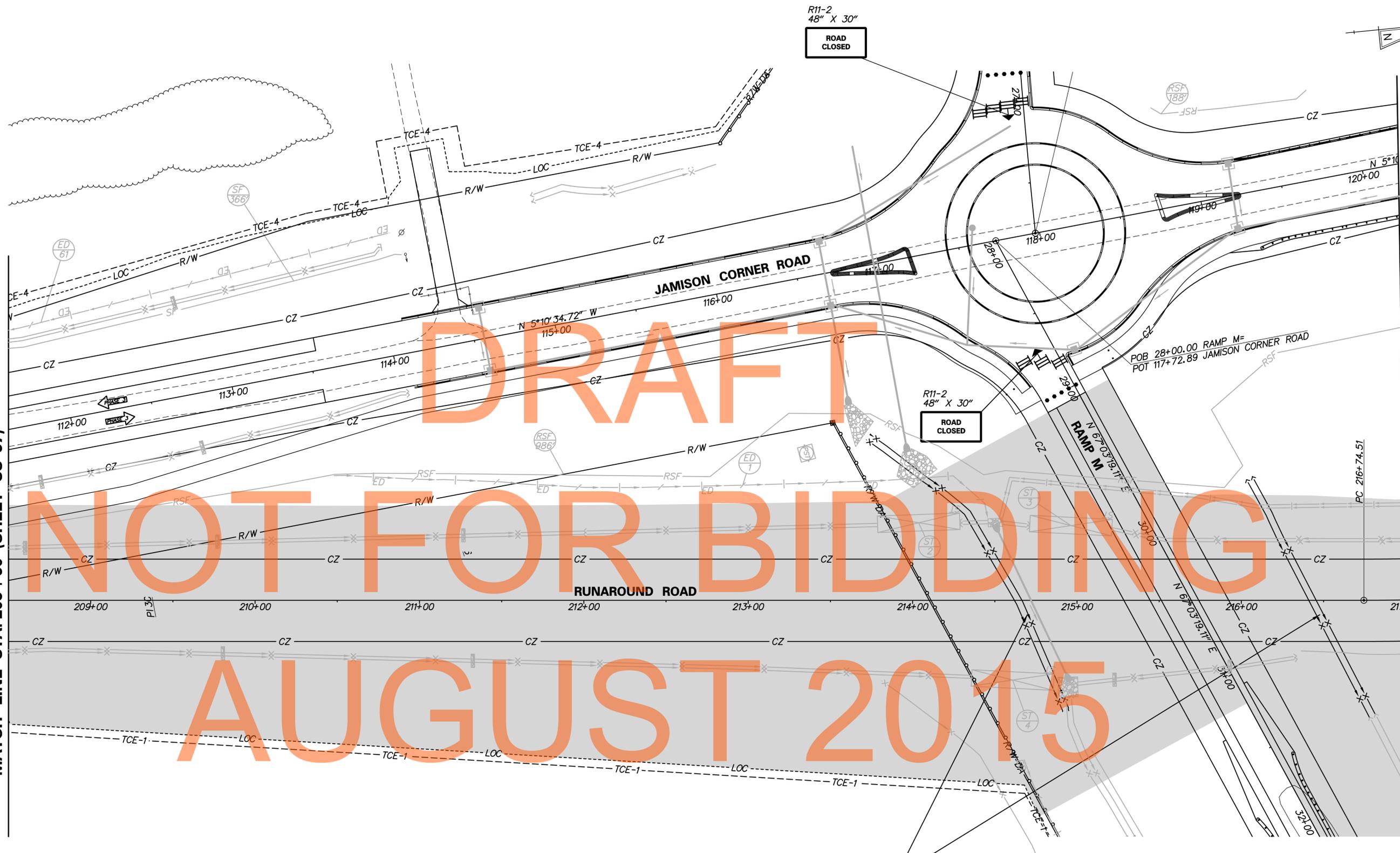
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 3

CS-57
SHEET NO. 730
TOTAL SHTS. 875

MATCH LINE STA. 208+50 (SHEET CS-57)

MATCH LINE STA. 217+00 (SHEET CS-59)



FINAL GRADING OF DITCHES TO BE COMPLETED UPON REMOVAL OF RUNAROUND ROAD.

\\N\CADD\AET\CS08\BU301_1A.dgn 12/12/2012 3:58:44 PM



DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

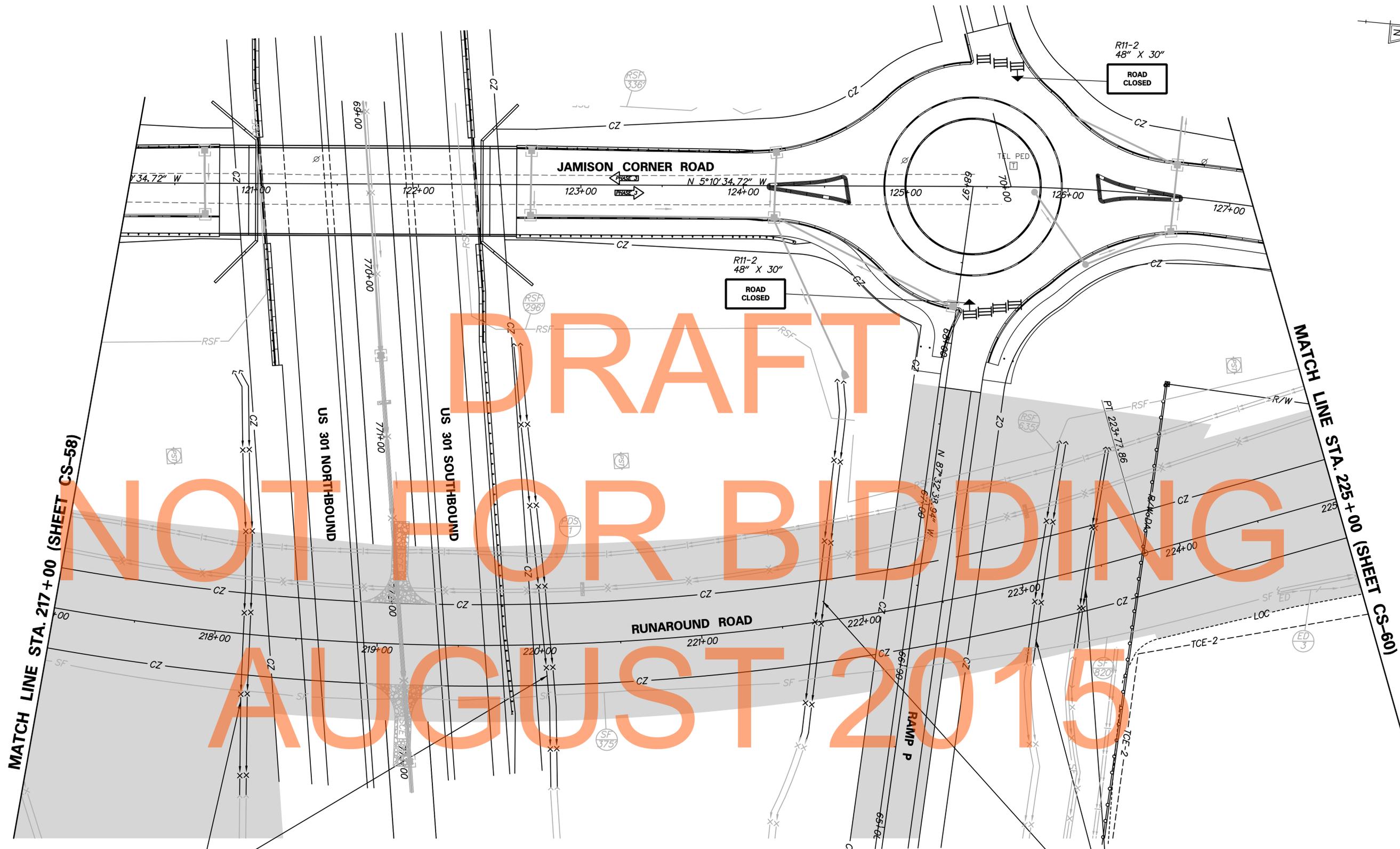


US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 3

CS-58
SHEET NO.
731
TOTAL SHTS.
875



DRAFT
NOT FOR BIDDING
AUGUST 2015

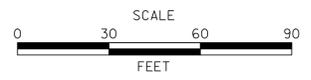
FINAL GRADING OF DITCHES TO BE COMPLETED UPON REMOVAL OF RUNAROUND ROAD.

FINAL GRADING OF DITCHES TO BE COMPLETED UPON REMOVAL OF RUNAROUND ROAD.

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 2/17/2015 2:52:20 PM
 T200911308



ADDENDUMS / REVISIONS	

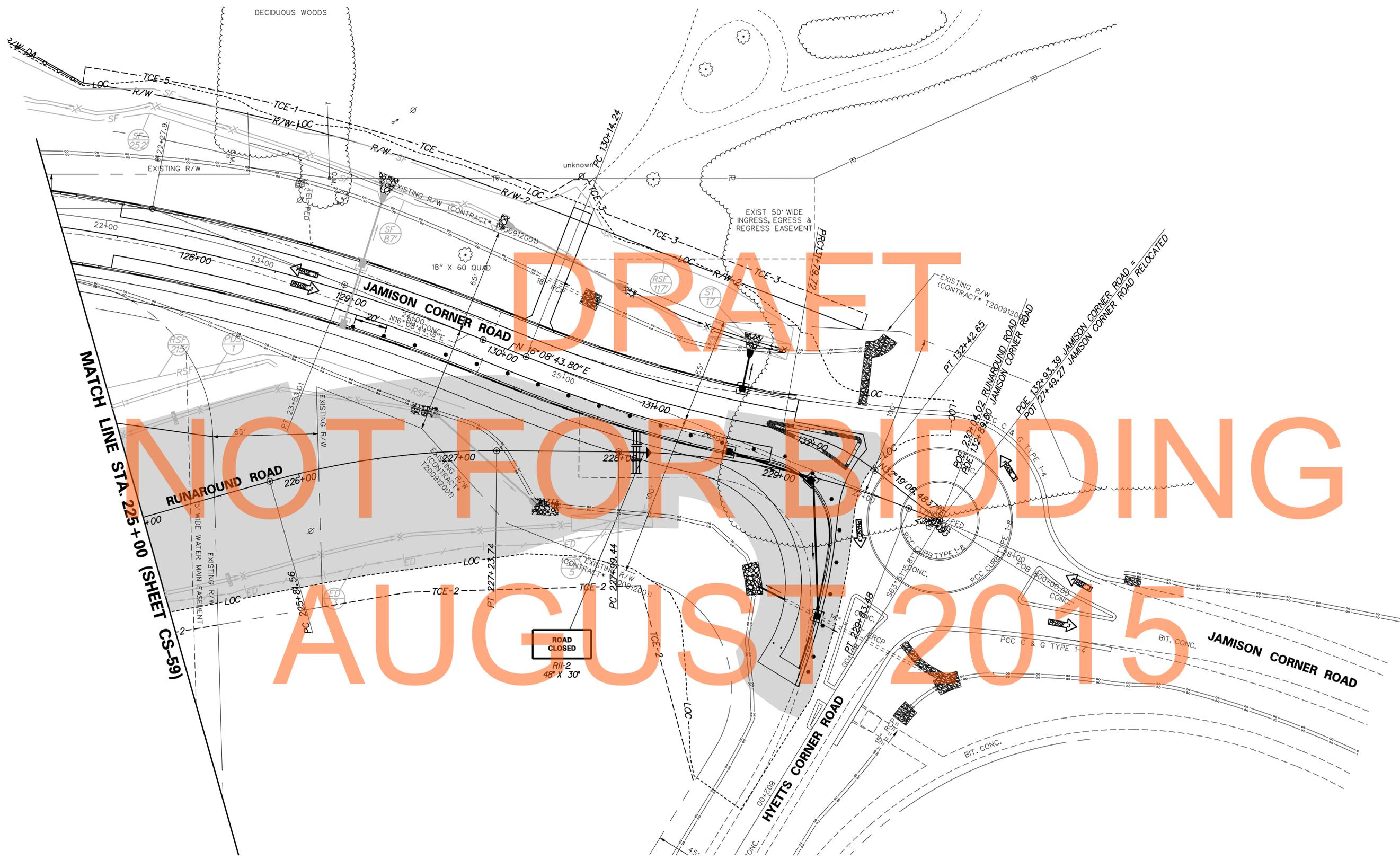


**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 3**

CS-59
SHEET NO. 732
TOTAL SHTS. 875



DRAFT

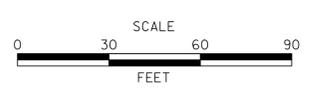
NOT FOR BIDDING

AUGUST 2015

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7/28/2015 7:42:28 AM



ADDENDUMS / REVISIONS	



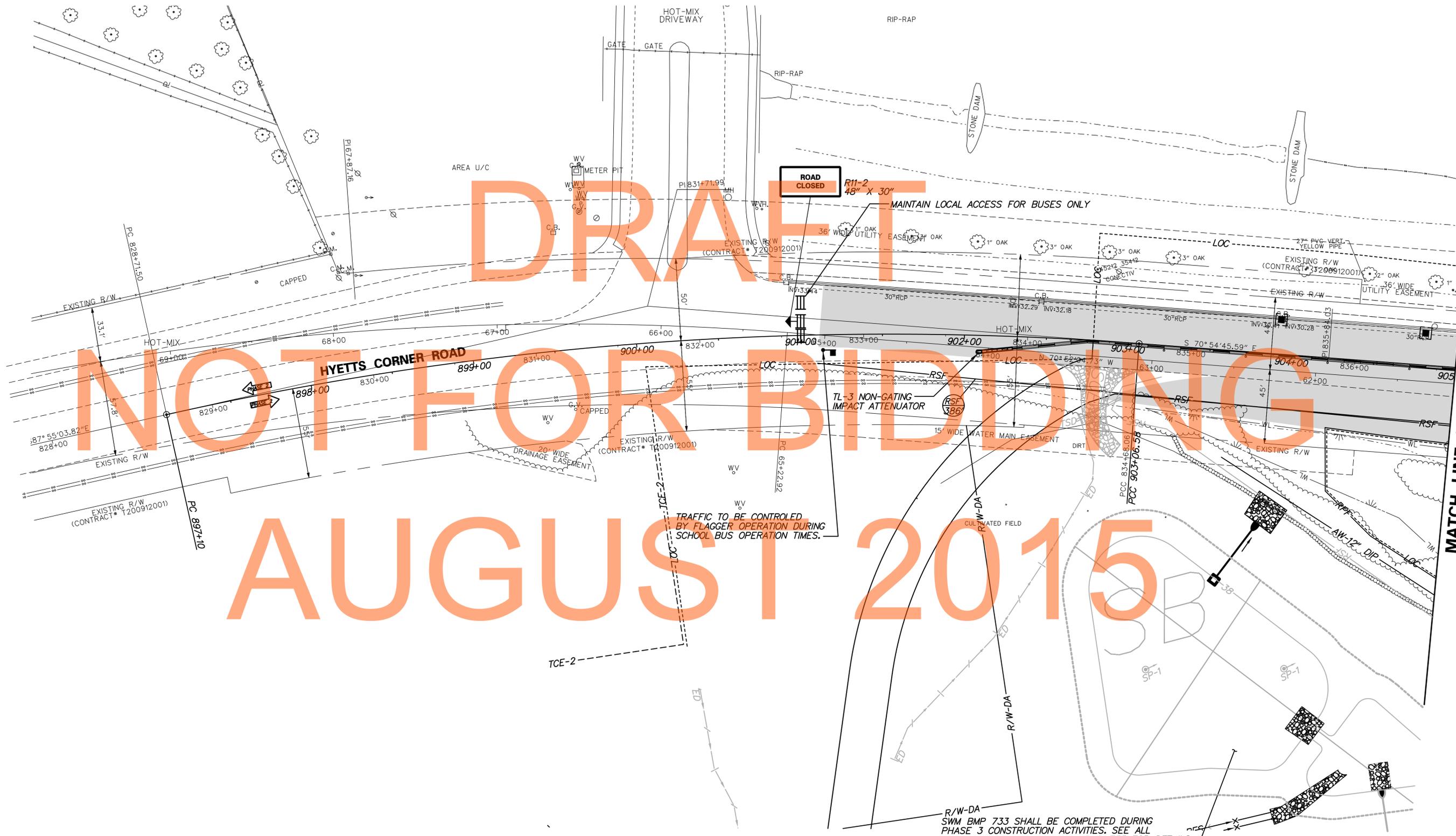
US 301,
SR 896 TO SR 1

CONTRACT T20091308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 3

CS-60
SHEET NO. 733
TOTAL SHTS. 875

ST. GEORGES TECHNICAL HIGH SCHOOL



NOT FOR BIDDING

AUGUST 2015

MATCH LINE STA. 905+00 (SHEET CS-62)

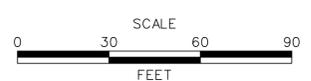
TRAFFIC TO BE CONTROLLED BY FLAGGER OPERATION DURING SCHOOL BUS OPERATION TIMES.

R/W-DA SWM BMP 733 SHALL BE COMPLETED DURING PHASE 3 CONSTRUCTION ACTIVITIES. SEE ALL ASSOCIATED PLANS FOR SWM BMP 733 FOR DETAILS.

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

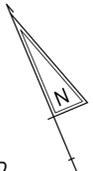
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 4**

CS-61
SHEET NO. 734
TOTAL SHTS. 875

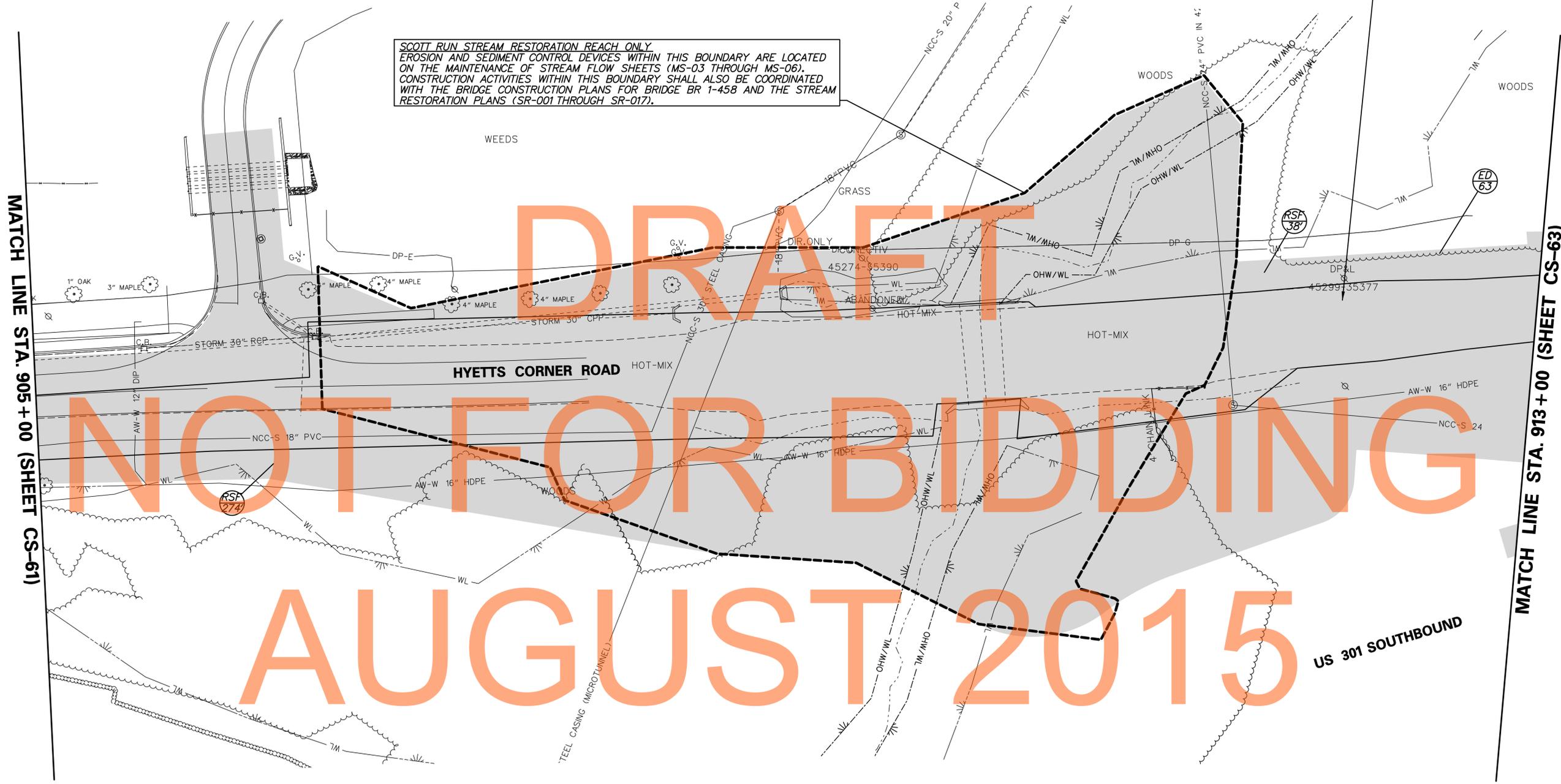
EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
63*	911+83	913+52	-84.00	266'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS



UTILITY ACCESS ROAD SHALL BE COMPLETED DURING PHASE 4 CONSTRUCTION.

SCOTT RUN STREAM RESTORATION REACH ONLY
 EROSION AND SEDIMENT CONTROL DEVICES WITHIN THIS BOUNDARY ARE LOCATED ON THE MAINTENANCE OF STREAM FLOW SHEETS (MS-03 THROUGH MS-06).
 CONSTRUCTION ACTIVITIES WITHIN THIS BOUNDARY SHALL ALSO BE COORDINATED WITH THE BRIDGE CONSTRUCTION PLANS FOR BRIDGE BR 1-458 AND THE STREAM RESTORATION PLANS (SR-001 THROUGH SR-017).



MATCH LINE STA. 905+00 (SHEET CS-61)

MATCH LINE STA. 913+00 (SHEET CS-63)

DRAFT
NOT FOR BIDDING
AUGUST 2015

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

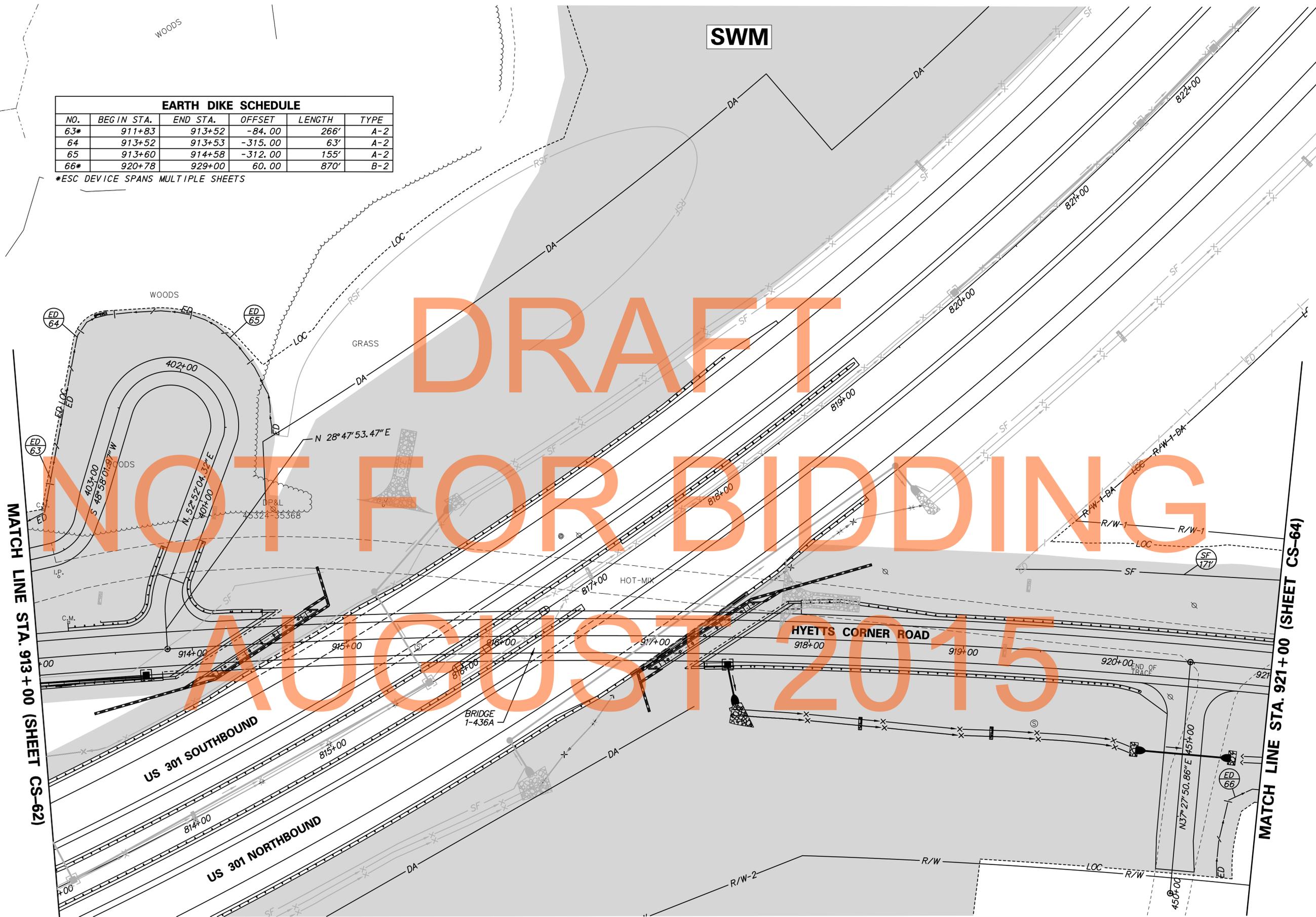
CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: GRP
NEW CASTLE	CHECKED BY: TAO

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 4

CS-62
SHEET NO.
735
TOTAL SHTS.
875

EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
63*	911+83	913+52	-84.00	266'	A-2
64	913+52	913+53	-315.00	63'	A-2
65	913+60	914+58	-312.00	155'	A-2
66*	920+78	929+00	60.00	870'	B-2

*ESC DEVICE SPANS MULTIPLE SHEETS



DRAFT
NOT FOR BIDDING
AUGUST 2015

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ADDENDUMS / REVISIONS	

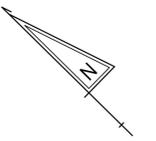


**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 4**

CS-63
SHEET NO. 736
TOTAL SHTS. 875



MATCH LINE STA. 921+00 (SHEET CS-63)

DRAFT

NOT FOR BIDDING

AUGUST 2015

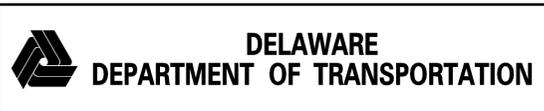
LIMIT OF CONSTRUCTION
CONTRACT T200911308
STATION 930+25

SEDIMENT TRAP SCHEDULE									
NO.	D. AREA	LENGTH	WIDTH	DEPTH	OUT. TYPE	WEIR EL.	CLEAN EL.	WEIR LENGTH	EMBANK. EL.
40	1.56 AC	60'	24'	2.00'	STONE	46.90	44.00	6.00'	48.00
41	1.44 AC	54'	24'	2.00'	STONE	46.90	44.00	6.00'	48.00
42	0.19 AC	20'	8'	2.00'	STONE	44.90	42.00	1.00'	46.00

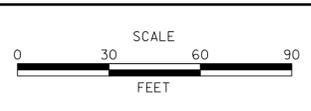
EARTH DIKE SCHEDULE					
NO.	BEGIN STA.	END STA.	OFFSET	LENGTH	TYPE
66*	920+78	929+00	60.00	870'	B-2
67	929+00	930+25	60.00	138'	A-2

*ESC DEVICE SPANS MULTIPLE SHEETS

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

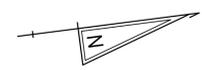
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: GRP
	CHECKED BY: TAO

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 4**

CS-64
SHEET NO. 737
TOTAL SHTS. 875

UPON COMPLETION OF ALL CONSTRUCTION ACTIVITIES, THE CONTRACT T200911308 CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THIS PLAN FOR THE TEMPORARY CLOSURE OF THE US 301 ROADWAY. THE TEMPORARY TRAFFIC CONTROL DEVICES SHALL REMAIN UNTIL THE OFFICIAL OPENING OF US 301 (SEE NOTES 1, 2 & 3).

CONSTRUCTION PHASING LEGEND	
	PROPOSED CONSTRUCTION THIS PHASE
	EXISTING SIGN/PROPOSED TEMPORARY SIGN
	TYPE III BARRICADE
	PLASTIC DRUM
	TRAFFIC FLOW ARROW
	PORTABLE P.C.C. SAFETY BARRIER (F SHAPE)
	PORTABLE IMPACT ATTENUATOR



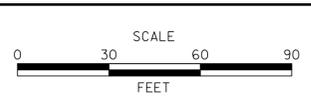
NOT FOR BIDDING
AUGUST 2015

- NOTES:**
- AT THE COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY TRAFFIC CONTROL DEVICES TO REMAIN AS SHOWN ON DRAWINGS CS-65 AND CS-66 (PHASE 5). 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 THE CONTRACT T200911303 CONTRACTOR.
 - PAYMENT FOR MAINTENANCE AND REMOVAL OF THE TEMPORARY TRAFFIC CONTROL DEVICES SHOWN ON THIS PLAN BY THE CONTRACT T200911303 CONTRACTOR WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 763500 - MAINTENANCE OF TRAFFIC.
 - THE CONTRACT T200911308 CONTRACTOR SHALL COVER SIGN WITH OPAQUE MATERIAL AFTER INSTALLATION OF SIGN AND LEAVE SIGN COVERED AT THE COMPLETION OF THE CONTRACT. THE CONTRACT T200911303 CONTRACTOR SHALL REMOVE SIGN COVERING UPON THE OFFICIAL OPENING OF THE US 301 ROADWAY. FURNISHING, INSTALLATION AND REMOVAL OF SIGN COVERINGS WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 763500 - MAINTENANCE OF TRAFFIC IN EACH OF THE RESPECTIVE CONTRACTS.

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ADDENDUMS / REVISIONS

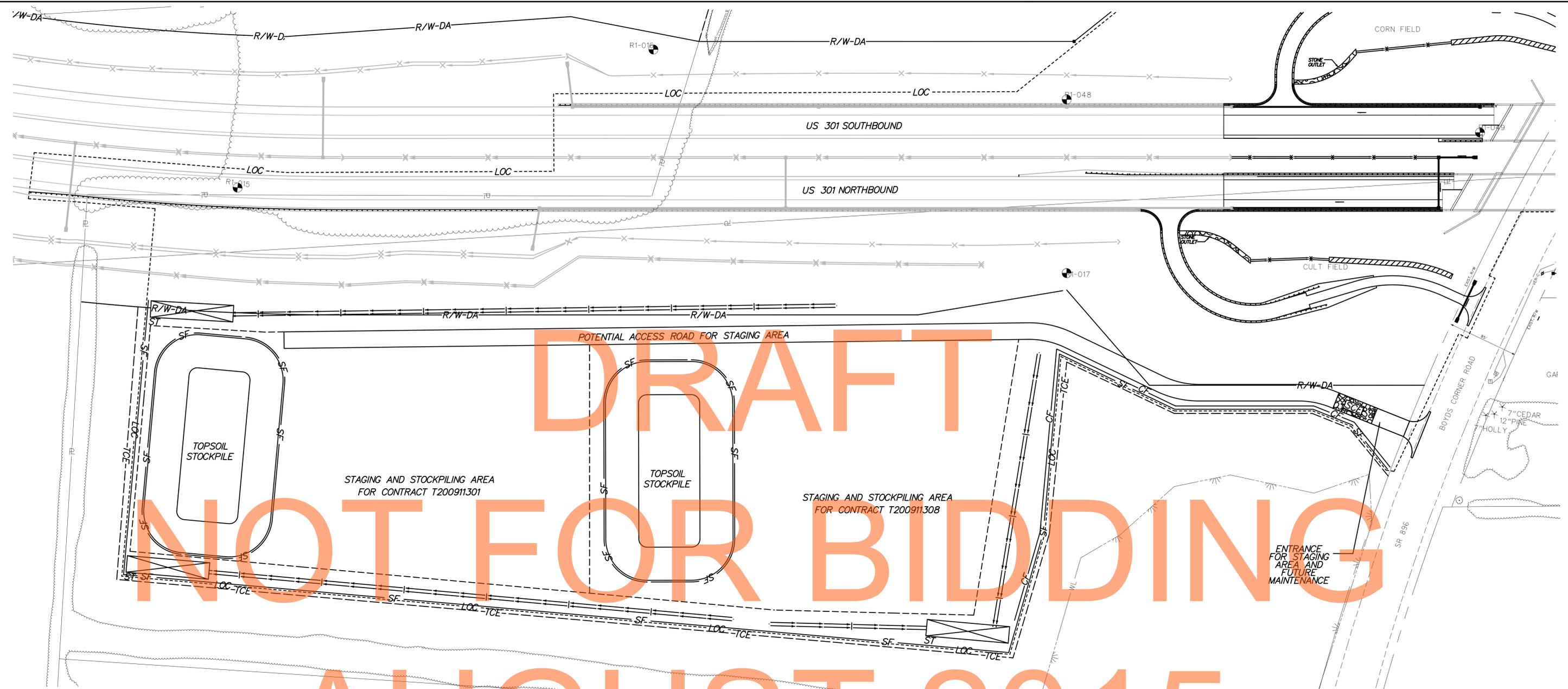


**US 301,
SR 896 TO SR 1**

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 5**

CS-66
SHEET NO.
739
TOTAL SHTS.
875



DRAFT
NOT FOR BIDDING
AUGUST 2015

STAGING/STOCKPILE AREA COORDINATION NOTES

CONTRACT A: CONTRACT T200911301: US 301, NORFOLK SOUTHERN RR TO SR 896
 CONTRACT B: CONTRACT T200911308: US 301, SR 896 TO SR 1

TRAFFIC CONTROL

1. CONTRACT A SHALL FURNISH, INSTALL AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES UNTIL CONTRACT B HAULING OPERATIONS BEGIN.
2. CONTRACT A SHALL REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES PRIOR TO THE BEGINNING OF HAULING OPERATIONS FOR CONTRACT B.
3. CONTRACT B SHALL FURNISH, INSTALL AND MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES ONCE HAULING OPERATIONS FOR CONTRACT B BEGIN.
4. THE START DATE OF HAULING OPERATIONS FOR CONTRACT B SHALL BE COORDINATED WITH THE ENGINEER.
5. PAYMENT FOR WORK NOTED ABOVE SHALL BE MADE UNDER THE RESPECTIVE CONTRACT ITEMS.

EROSION AND SEDIMENT CONTROL

1. CONTRACT A SHALL INSTALL ALL PERIMETER E&S CONTROL DEVICES AROUND THE CONTRACT A/CONTRACT B STAGING/STOCKPILE AREAS.
2. ADDITIONAL E&S CONTROL DEVICES PLACED WITHIN CONTRACT A/CONTRACT B STAGING/STOCKPILE AREAS WILL BE FURNISHED, INSTALLED, MAINTAINED AND REMOVED BY THE RESPECTIVE CONTRACT.
3. AT THE CONCLUSION OF CONTRACT A, CONTRACT B WILL ASSUME THE MAINTENANCE, REMOVAL AND DISPOSAL RESPONSIBILITIES FOR ALL REMAINING PERIMETER E&S CONTROL DEVICES.
4. AT THE CONCLUSION OF CONTRACT A, CONTRACT A SHALL RESTORE ITS STAGING/STOCKPILING AREA AS DIRECTED BY THE ENGINEER.
5. AT THE CONCLUSION OF CONTRACT A, CONTRACT B MAY ASSUME USE OF CONTRACT A STAGING/STOCKPILING AREA.
6. PAYMENT FOR THE WORK NOTED ABOVE SHALL BE MADE UNDER THE RESPECTIVE CONTRACT ITEMS.

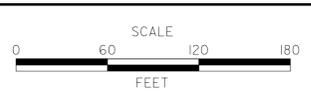
TEMPORARY CONSTRUCTION ENTRANCE

1. TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AND MAINTAINED BY CONTRACT A UNTIL THE END OF CONTRACT A.
2. MAINTENANCE, REMOVAL AND RESTORATION OF TEMPORARY CONSTRUCTION ENTRANCE WILL BE ASSUMED BY CONTRACT B AT THE END OF CONTRACT A.
3. PAYMENT FOR THE WORK NOTED ABOVE SHALL BE MADE UNDER THE RESPECTIVE ITEMS.

P:\1445 US 301 SECT.1\DESIGN\FINAL SUBMISSION\CONTRACT_1A-PSE\REF\SB00301_1A.DGN



ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.	1-9
COUNTY NEW CASTLE	DESIGNED BY:	WJD
	CHECKED BY:	BT

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN
SR 896 STAGING AREA**

CS-67
SHEET NO. 740
TOTAL SHTS. 875

CHANGEABLE MESSAGE BOARDS:

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

CMS-1

**HYETTS
CRNR RD
TO CLOSE**

**STARTING
XXXXXX**

CMS-2

DURING DETOUR
(UP TO 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

**HYETTS
CRNR RD
TO CLOSE**

**FOLLOW
DETOUR**

CMS-2

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

**XXXXXXXX
XXXXXXXX
XXXXXXXX**

**XXXXXXXX
XXXXXXXX
XXXXXXXX**

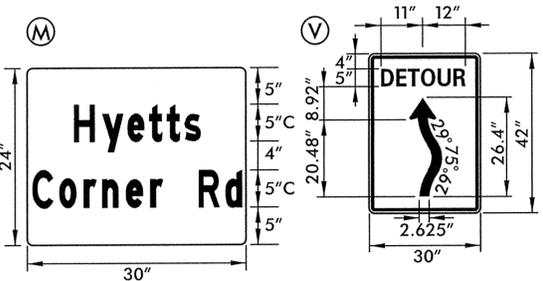
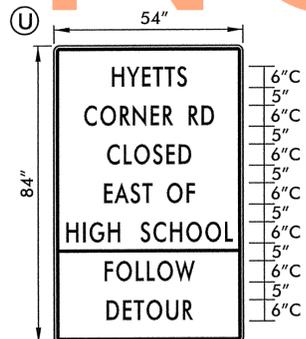
CMS-2

DURING DETOUR

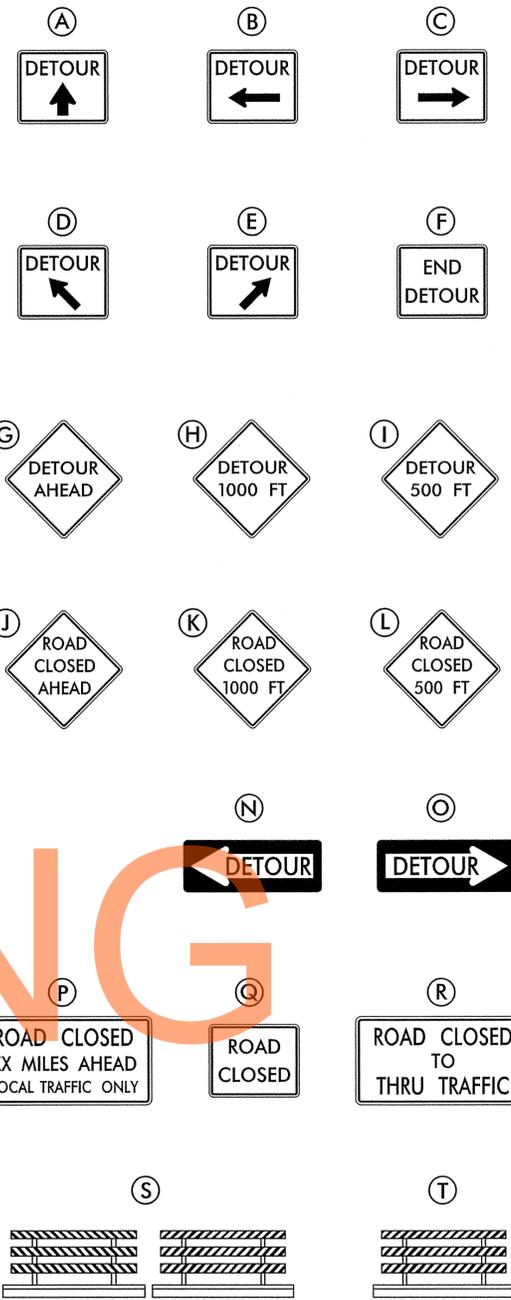
**XXXXXXXX
XXXXXXXX
XXXXXXXX**

**XXXXXXXX
XXXXXXX
XXXXXXXX**

SPECIAL SIGNS:



LEGEND:



GENERAL NOTES:

- ALL DETOUR SIGNING INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6)" FOR LIGHTS, BARRICADES AND SIGNS.(AS PER LATEST REVISION)
- FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL PREVAIL.
- SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
- WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- *S* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

W:\MS\8\CELLS\PROJ\DEV\SB.CEL

RECOMMENDED _____ DATE: _____ APPROVED CHIEF SAFETY OFFICER _____ DATE: 11-29-12

RECOMMENDED _____ DATE: _____ APPROVED TRAFFIC ENGINEER _____ DATE: 11/29/12

<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUM / REVISIONS		<p>NOT TO SCALE</p>	<p>US 301 SR 896 TO SR 1</p>	CONTRACT	PERMIT NO.	<p>DETOUR PLAN HYETTS CORNER ROAD @ SCOTT RUN</p>	SHEET NO.
					T20091130B			DESIGNED BY: GRP
					COUNTY	CHECKED BY: TAO	TOTAL SHTS.	875
					NEW CASTLE			

CHANGEABLE MESSAGE BOARDS:

CMS-I PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

BOYDS CRNR RD TO CLOSE

9P TO 5A STARTING XXXX/XX

CMS-I DURING DETOUR

BOYDS CRNR RD TO CLOSE

FOLLOW DETOUR AHEAD

SPECIAL SIGNS:

AA **DETOUR SOUTH 896** **BB** **DETOUR SOUTH 896** **CC** **DETOUR SOUTH 896** **DD** **DETOUR SOUTH 896** **EE** **DETOUR SOUTH 896**

U **BOYDS CORNER RD CLOSED AT RATLEDGE ROAD FOLLOW DETOUR**

V **BOYDS CORNER RD CLOSED AT CEDAR LANE ROAD FOLLOW DETOUR**

SIGN DETAIL
D/G ORANGE - BLACK LEGEND
4" X 6" WOOD POST



LEGEND:

A **DETOUR NORTH 896** (up arrow)

B **DETOUR NORTH 896** (left arrow)

C **DETOUR NORTH 896** (right arrow)

D **DETOUR NORTH 896** (left arrow)

E **DETOUR NORTH 896** (up arrow)

F **END DETOUR**

G **DETOUR AHEAD** (diamond)

H **DETOUR 1000 FT** (diamond)

I **DETOUR 500 FT** (diamond)

J **ROAD AHEAD** (diamond)

K **ROAD CLOSED 1000 FT** (diamond)

L **ROAD CLOSED 500 FT** (diamond)

M **ROAD NAME** (rectangle)

N **DETOUR** (arrow)

O **DETOUR** (arrow)

P **ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY** (rectangle)

Q **ROAD CLOSED** (rectangle)

R **ROAD CLOSED TO THRU TRAFFIC** (rectangle)

S **BARRICADE** (barricade symbol)

T **BARRICADE** (barricade symbol)

- GENERAL NOTES:**
- ALL DETOUR SIGNING INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE-MUTCD PART 6)" FOR LIGHTS, BARRICADES AND SIGNS. (AS PER LATEST REVISION)
 - FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL PREVAIL.
 - SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
 - WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
 - *S* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
 - BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

APPROVED CHIEF SAFETY OFFICER: *[Signature]* DATE: 10-26-12

APPROVED TRAFFIC ENGINEER: *[Signature]* DATE: 10/29/12

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

US 301 SR 896 TO SR 1

CONTRACT	PERMIT NO.	DETOUR PLAN BOYDS CORNER ROAD @ JAMISONS CORNER	SHEET NO. 742
T200911308	DESIGNED BY: MT		
NEW CASTLE	CHECKED BY: WJD		
		TOTAL SHTS.	875

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