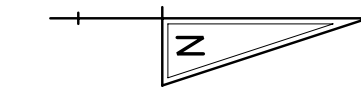
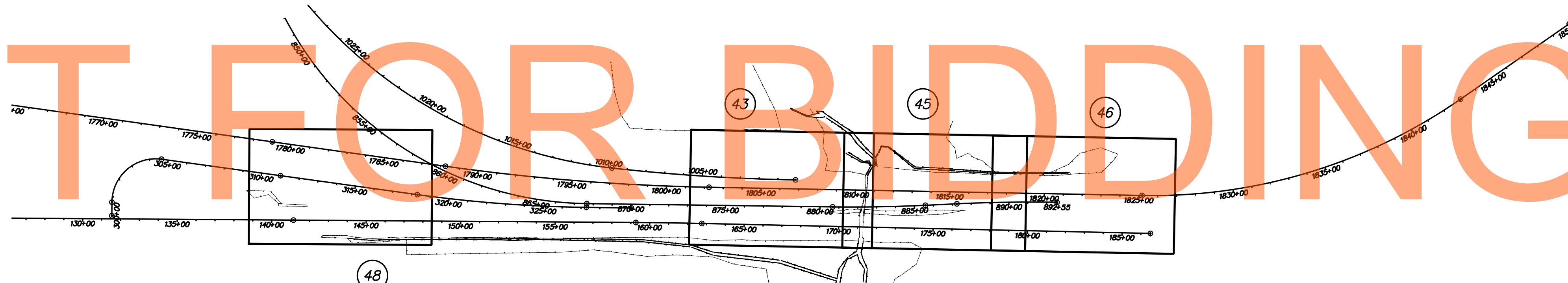


PLAN SHEET INDEX CROSS REFERENCE

CONSTRUCTION PLAN	(N/A)	(43)	(45)	(46)	(48)
ENVIRONMENTAL COMPLIANCE	EC-03 369	EC-04 370	EC-05 371	EC-06 372	EC-07 373



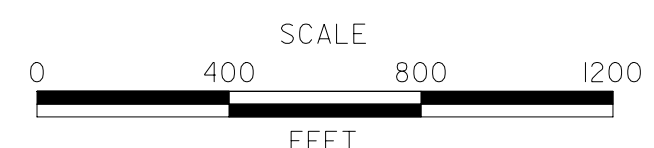
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AUGUST 2015



\$DONNAMES & \$TIMES



ADDENDUMS / REVISIONS	



**US 301 &
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

**ENVIRONMENTAL
COMPLIANCE INDEX**

EC-01
SHEET NO. 367
TOTAL SHTS. 491

ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

A. THE PURPOSE OF THESE ENVIRONMENTAL COMPLIANCE SHEETS IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR AGENCY REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.

B. AN ENVIRONMENTAL MONITOR WILL BE RESPONSIBLE FOR REVIEWING ENVIRONMENTAL COMPLIANCE. CONTACT INFORMATION FOR THE PROJECT'S ENVIRONMENTAL MONITOR WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETINGS AND MAY ALSO BE OBTAINED BY CALLING THE DELDOT ENVIRONMENTAL STUDIES SECTION AT (302) 760-2264. THE PRESENCE OF THE DEPARTMENT'S ENVIRONMENTAL MONITOR DOES NOT ALLEVIATE OR NULLIFY ANY OF THE CONTRACTOR'S OBLIGATIONS TO FULLY COMPLY WITH ALL ENVIRONMENTAL PERMITS AND/OR REGULATIONS.

C. IF A DEPARTURE FROM THE APPROVED PLANS IS NECESSARY, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND ENVIRONMENTAL MONITOR IMMEDIATELY. THE ENVIRONMENTAL MONITOR SHALL COORDINATE WITH THE APPROPRIATE RESOURCE AGENCIES INCLUDING BUT NOT LIMITED TO THE ARMY CORPS OF ENGINEERS (USACE), DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL (DNREC), STATE HISTORIC PRESERVATION OFFICE (SHPO), AND MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE). WORK SHALL NOT PROCEED UNTIL ALL THE NECESSARY APPROVALS, PERMITS OR MODIFICATIONS ARE OBTAINED. THIS RESOURCE AGENCY APPROVAL IS IN ADDITION TO ANY APPROVAL THAT NEEDS TO BE DERIVED FROM THE ENGINEER. THE ENVIRONMENTAL MONITOR CANNOT APPROVE ANY CHANGE INDEPENDENT FROM THE ENGINEER. APPROVAL MAY TAKE A SIGNIFICANT AMOUNT OF TIME TO COMPLETE AND ALL CHANGES MAY NOT BE APPROVED. THE CONTRACTOR SHALL HAVE NO CLAIM AGAINST THE DEPARTMENT FOR COSTS OR DELAYS ASSOCIATED WITH RESOURCE AGENCY APPROVAL OR REJECTION OF CHANGES OR DEVIATIONS FROM THESE PLANS.

D. USE OF THESE SHEETS DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

E. THE IDENTIFIED PERMANENT AND TEMPORARY IMPACTS TO JURISDICTIONAL RESOURCES SHOWN ON THE ENVIRONMENTAL COMPLIANCE SHEETS ARE THE ONLY AUTHORIZED IMPACTS.

2. NATURAL AND CULTURAL RESOURCE ISSUES:

A. PERMIT REQUIREMENTS / APPROVALS**

USACE - INDIVIDUAL PERMIT - CENAP-OP-R-2006-6071-1 (PROVISIONAL PENDING WQ CERTIFICATION); PROVISIONAL APPROVAL AUGUST 18, 2009; EXPIRES DECEMBER 31, 2019**

DNREC SUBAQUEOUS LANDS PERMIT - PENDING**

DNREC WETLANDS PERMIT - PENDING**

DELAWARE WATER QUALITY CERTIFICATION - PENDING**

DELAWARE COASTAL ZONE MANAGEMENT FEDERAL CONSISTENCY CERTIFICATION - SEPTEMBER 14, 2007; NO EXPIRATION**

NEW CASTLE COUNTY FLOODPLAIN APPROVAL - PENDING**

* THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING/OBTAINING THESE PERMITS/APPROVALS.

** THE CONTRACTOR MUST ENSURE THAT THESE PERMITS/APPROVALS ARE IN THEIR POSSESSION PRIOR TO THE BEGINNING OF CONSTRUCTION, AND ENSURE THESE PERMITS/APPROVALS ARE DISPLAYED ON-SITE DURING THE ENTIRE CONSTRUCTION PERIOD.

B. CONSTRUCTION RESTRICTIONS:

ENDANGERED SPECIES: BOG TURTLES POTENTIALLY OCCUPY THE SCOTT RUN WATERSHED. PORTIONS OF WETLAND 29E ARE CONSIDERED POTENTIAL HABITAT FOR THE BOG TURTLE. THE CONTRACTOR SHALL NOT DISTURB OR ENCRUCH ON WETLAND 29E EXCEPT AS SPECIFICALLY IDENTIFIED ON THESE EC SHEETS. WORK IN THE VICINITY OF WETLAND 29E IS SUBJECT TO THE FOLLOWING CONDITIONS IDENTIFIED IN THE PROJECT'S BIOLOGICAL ASSESSMENT.

1. EXCLUSIONARY FENCING SHALL BE INSTALLED TO PREVENT BOG TURTLES FROM ENTERING THE WORK AREA. FENCING SHALL CONSIST OF ITEM 251001 - REINFORCED SILT FENCE. FENCING SHALL BE INSTALLED BY HAND WITH MINIMAL DISTURBANCE TO THE WETLAND RESOURCE. FENCING SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. FENCE INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE ENGINEER IN CONSULTATION WITH DELDOT'S QUALIFIED BOG TURTLE SURVEYOR AND THE ENVIRONMENTAL MONITOR.

2. FOLLOWING FENCING INSTALLATION AND PRIOR TO ANY CONSTRUCTION ACTIVITIES, A PRE-CONSTRUCTION SURVEY OF THE EXCLUSION AREA WILL BE CONDUCTED BY DELDOT'S QUALIFIED BOG TURTLE SURVEYOR TO ENSURE NO BOG TURTLES ARE PRESENT IN THE WORK AREA.

3. SHOULD THE EXCLUSIONARY FENCE BE DAMAGED OR BREACHED, THE FENCE SHALL BE REPAIRED AND THE EXCLUSION AREA SHALL BE RE-SURVEYED PRIOR TO RESUMING CONSTRUCTION ACTIVITIES. ALL COSTS FOR THE FENCE DAMAGE OR BREACH SHALL BE AT THE CONTRACTOR'S EXPENSE.

FISHERIES - NONE

MIGRATORY BIRDS: APRIL 15 - AUGUST 1 (INCLUSIVE). EITHER BEGIN CONSTRUCTION ON THE UNDERSIDE OF THE SR 1 BRIDGES OVER SCOTT RUN PRIOR TO APRIL 15 (TO PREVENT BIRDS FROM NESTING) OR WAIT UNTIL AFTER AUGUST 1 (AFTER HATCHLINGS HAVE LEFT) TO BEGIN WORK ON THE UNDERSIDE. IF NEITHER OF THESE OPTIONS IS PRACTICABLE, THEN PRIOR TO APRIL 14, DETERRENT NETTING WITH 3/4" X 3/4" MAXIMUM OPENINGS (OR SIMILAR DEVICE) SHALL BE INSTALLED HORIZONTALLY UNDERNEATH THE STRUCTURE. THE NETTING SHOULD BE PULLED TAUT AND ATTACHED IN A WAY THAT BIRDS ARE UNABLE TO ENTER THE AREA BETWEEN THE NETTING AND THE STRUCTURE. NETTING SHALL BE PAID FOR UNDER ITEM 763623 - NETTING MIGRATORY BIRD EXCLUSION.

C. PROTECTION OF RESOURCES:

1. ITEM 727552 - RESOURCE PROTECTION FENCE (WITH ASSOCIATED SIGNAGE) SHALL BE USED ALONG THE LIMIT OF CONSTRUCTION (LOC) AND OTHER AREAS SHOWN ON THE PLANS WHERE WETLANDS, WATERS OR CULTURAL RESOURCES EXIST. RESOURCE PROTECTION FENCE SHALL BE INSTALLED IMMEDIATELY AFTER STAKEOUT OF LOC AND PRIOR TO INSTALLATION OF EROSION AND SEDIMENT CONTROLS. THE CONTRACTOR SHALL STAKEOUT THE LOCATION OF THE RESOURCE PROTECTION FENCE AND THE ENVIRONMENTAL MONITOR WILL BE RESPONSIBLE FOR CONFIRMING OR ADJUSTING THE FENCING LOCATIONS PRIOR TO CONSTRUCTION. IMPROPERLY PLACED FENCE SHALL BE RE-INSTALLED AT CONTRACTOR EXPENSE. ANY ADDITIONAL RESOURCE PROTECTION FENCE AS REQUESTED BY THE ENVIRONMENTAL MONITOR AND CONFIRMED BY THE ENGINEER SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE. RESOURCE PROTECTION FENCE SIGNAGE SHALL BE PROVIDED BY DELDOT AND INSTALLED BY THE CONTRACTOR ALONG THE FENCE NO GREATER THAN 100 FEET APART AND WITH A MINIMUM OF 2 SIGNS PER CONTINUOUS FENCE RUN AS INDICATED IN THE SPECIAL PROVISIONS. RESOURCE PROTECTION FENCE SHALL BE PAID FOR UNDER ITEM 727552 - RESOURCE PROTECTION FENCE.

II. THE PURPOSE OF ITEM 727552 - RESOURCE PROTECTION FENCE IS TO PREVENT IMPACTS TO SENSITIVE RESOURCES DURING CONSTRUCTION. ACCESS INTO THESE AREAS IS STRICTLY PROHIBITED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EMPLOYEES UNDERSTAND AND COMPLY WITH THE PURPOSE OF THE RESOURCE PROTECTION FENCE.

III. THE INSTALLATION OF THE RIGHT-OF-WAY FENCE AND RESOURCE PROTECTION FENCE ARE THE ONLY CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED TO OCCUR OUTSIDE OF THE LOC.

IV. RESOURCE PROTECTION FENCE SHALL BE INSTALLED BY HAND AS PER THE DETAILS AND SPECIFICATIONS OF ITEM 727552 - RESOURCE PROTECTION FENCE. THERE SHALL BE NO GRUBBING FOR THE INSTALLATION OF RESOURCE PROTECTION FENCE. RIGHT-OF-WAY FENCE SHALL BE INSTALLED BY HAND IN SENSITIVE AREAS, INCLUDING WETLANDS, FORESTS, AND CULTURAL RESOURCE AREAS PROTECTED BY RESOURCE PROTECTION FENCE. THERE SHALL BE NO GRUBBING FOR THE INSTALLATION OF RIGHT-OF-WAY FENCE IN SENSITIVE AREAS. WHERE CLEARING IS NECESSARY FOR FENCE INSTALLATION, VEGETATION SHALL BE CUT FLUSH WITH THE GROUND (I.E. NO DISTURBANCE OF THE ROOT MAT). ENVIRONMENTAL IMPACTS SHALL BE MINIMIZED DURING THE INSTALLATION OF THE RESOURCE PROTECTION FENCE AND RIGHT-OF-WAY FENCE AND THE REMOVAL OF THE RESOURCE PROTECTION FENCE. ACCESS AND INSTALLATION/REMOVAL OF RESOURCE PROTECTION FENCE AND INSTALLATION OF RIGHT-OF-WAY FENCE SHALL BE COORDINATED WITH THE ENVIRONMENTAL MONITOR.

D. STAGING, STOCKPILING AND DISPOSAL:

I. NO STOCKPILING OR STORAGE OF EQUIPMENT, MATERIALS, OR STRUCTURAL STEEL; NO STAGING AREA; AND NO INSTALLATION OF ANCILLARY FACILITIES SUCH AS CONCRETE OR ASPHALT PLANTS OR CONSTRUCTION TRAILERS SHALL BE PERMITTED ON ANY CULTURAL RESOURCE SITE OR WITHIN WETLANDS OR STREAMS OUTSIDE OF IDENTIFIED STORAGE AREAS APPROVED BY THE SHPO OR THE USACE. NO CONSTRUCTION MATERIALS, AGGREGATES, OR EARTH SHALL BE STOCKPILED OR STORED IN A MANNER THAT WOULD AFFECT WETLANDS OR STREAMS. STOCKPILES SHALL HAVE EROSION AND SEDIMENT CONTROLS APPROVED BY DELDOT.

II. ALL EXCESS EXCAVATED MATERIALS NOT USED IN HIGHWAY OR COMPENSATORY MITIGATION SITE CONSTRUCTION SHALL BE DISPOSED OF IN UPLAND, NON-WETLAND, NON-CULTURAL RESOURCE SITE(S). THE EXCAVATED MATERIAL SHALL BE PROPERLY CONTAINED AND STABILIZED TO PREVENT ITS ENTRY INTO ANY ADJACENT WETLANDS OR WATERWAYS. OUTSIDE OF ANY LOCATION DESIGNATED ON PLANS FOR DISPOSAL, NO DISPOSAL/WASTING OPERATION SHALL COMMENCE UNTIL WRITTEN APPROVAL OF THE DISPOSAL SITE(S) IS OBTAINED BY THE ENGINEER FROM THE USACE AND THE SHPO. THE CONTRACTOR SHALL SUBMIT THE PROPOSED DISPOSAL SITE LOCATION(S) TO THE ENGINEER. THE ENGINEER WILL SUBMIT THE PROPOSED DISPOSAL SITE INFORMATION TO THE SHPO AND USACE FOR APPROVAL. THE DEPARTMENT WILL NOT CONSIDER ANY DELAYS OR MONETARY CLAIMS OF ANY NATURE RESULTING FROM DELAYS IN APPROVAL OR REJECTION OF DISPOSAL SITES OR FROM THE CONTRACTOR'S FAILURE OR DIFFICULTY IN FINDING ACCEPTABLE DISPOSAL SITES TO MEET THE TIME FRAMES AND CAPACITIES REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANS, EROSION AND SEDIMENTATION CONTROL MEASURES, ETC. REQUIRED BY THE APPROPRIATE REGULATORY AGENCY FOR UTILIZING OFF-SITE SPOILS AREAS.

E. MINIMIZATION AND RESTORATION OF TEMPORARY IMPACTS:

ALL TEMPORARY IMPACTS SHOWN ON THESE SHEETS SHALL BE RESTORED AS SPECIFIED IN THE MISCELLANEOUS PROJECT NOTES TO PREDISTURBANCE GRADE AND CONDITION AND STABILIZED. THE AREA SHALL BE PLANTED AS SHOWN IN THE MOT SHEETS AND NOTED ON THESE EC SHEETS. STREAMS SHALL BE RESTORED TO PREDISTURBANCE PATTERN AND PROFILE.

F. CULTURAL RESOURCES:

IF ANY UNANTICIPATED DISCOVERIES OF ARCHAEOLOGICAL OR HUMAN REMAINS OCCUR DURING CONSTRUCTION, ALL WORK SHALL BE IMMEDIATELY SUSPENDED IN THE AREA OF THE DISCOVERY AND THE ENVIRONMENTAL MONITOR SHALL BE CONTACTED. THE ENVIRONMENTAL MONITOR WILL CONTACT DELDOT CULTURAL RESOURCES, SHPO AND USACE TO COMMENCE THE NECESSARY FEDERAL AND STATE COORDINATION. WORK SHALL NOT RESUME UNTIL APPROPRIATE RESOURCE AGENCY COORDINATION, INVESTIGATION AND/OR RECOVERY IS COMPLETE.

G. SOIL AND EARTH DISTURBANCE:

I. ITEM 251001 - REINFORCED SILT FENCE SHALL BE USED DUE TO THE HIGH PROBABILITY OF OVERBANK FLOODING IN THE FOLLOWING LOCATIONS:

SCOTT RUN FROM MAINLINE - STA 880+00 TO 889+00

II. THERE SHALL BE NO GRUBBING UNDER BRIDGES EXCEPT WHERE NECESSARY TO CONSTRUCT PROJECT COMPONENTS SUCH AS FOUNDATIONS, SLOPE PROTECTION AND UTILITIES. BRIDGE LOCATIONS ARE AS FOLLOWS:

SCOTT RUN - STA 883+00

PERMANENT WETLAND IMPACT AREA SCHEDULE table with columns: ID, IMPACT DESCRIPTION, AREA (SF), AREA (AC), VOLUME (CY), JURISDICTION. Rows include 4-W1 through 6-W1 and totals for USACE and DNREC impacts.

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE table with columns: ID, IMPACT DESCRIPTION, AREA (SF), AREA (AC), VOLUME (CY), JURISDICTION. Rows include 3-0T1 and totals for USACE and DNREC impacts.

PERMANENT OPEN WATER IMPACT AREA SCHEDULE table with columns: ID, IMPACT DESCRIPTION, AREA (SF), AREA (AC), VOLUME (CY), JURISDICTION. Rows include 5-01, 5-02 and totals for USACE and DNREC impacts.

TEMPORARY WETLAND IMPACT AREA SCHEDULE table with columns: ID, IMPACT DESCRIPTION, AREA (SF), AREA (AC), VOLUME (CY), JURISDICTION. Rows include 3-WT1 through 5-WT2 and totals for USACE and DNREC impacts.

WETLANDS DELINEATED BY RUMMEL KLEPPER & KAHL, LLP. IN JUNE 2005 THROUGH MAY 2011 IN ACCORDANCE WITH THE 1987 USACE WETLAND DELINEATION MANUAL AND APPLICABLE REGIONAL SUPPLEMENTS.

PRELIMINARY JURISDICTIONAL DETERMINATION AUGUST 18, 2009 (EXPIRES AUGUST 18, 2014). WETLAND IDENTIFIERS (ALPHANUMERIC LABELS) CORRESPOND TO THE US 301 WETLAND DELINEATION REPORT AND ARE CONSISTENT WITH THE JURISDICTIONAL DETERMINATION.

SHEET PREPARED BY: MCCORMICK TAYLOR, INC. DATE: MARCH 10, 2010

SHEETS LAST UPDATED: APRIL 9, 2012

ALL IDENTIFIED WATER/WETLANDS ON THESE ENVIRONMENTAL COMPLIANCE SHEETS ARE USACE JURISDICTIONAL AND/OR DNREC JURISDICTIONAL.

DNREC STATE TIDAL MAP - 380 (REVISED DECEMBER 8, 2008).

ADDENDUMS / REVISIONS



US 301 & SR 1 INTERCHANGE

CONTRACT: T200911302; BRIDGE NO.; COUNTY: NEW CASTLE; DESIGNED BY: REL; CHECKED BY: LMM

ENVIRONMENTAL COMPLIANCE NOTES

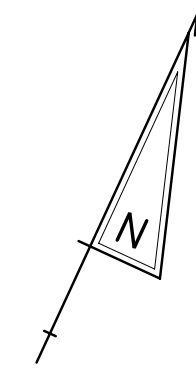
EC-02

SHEET NO.

368

TOTAL SHTS.

494

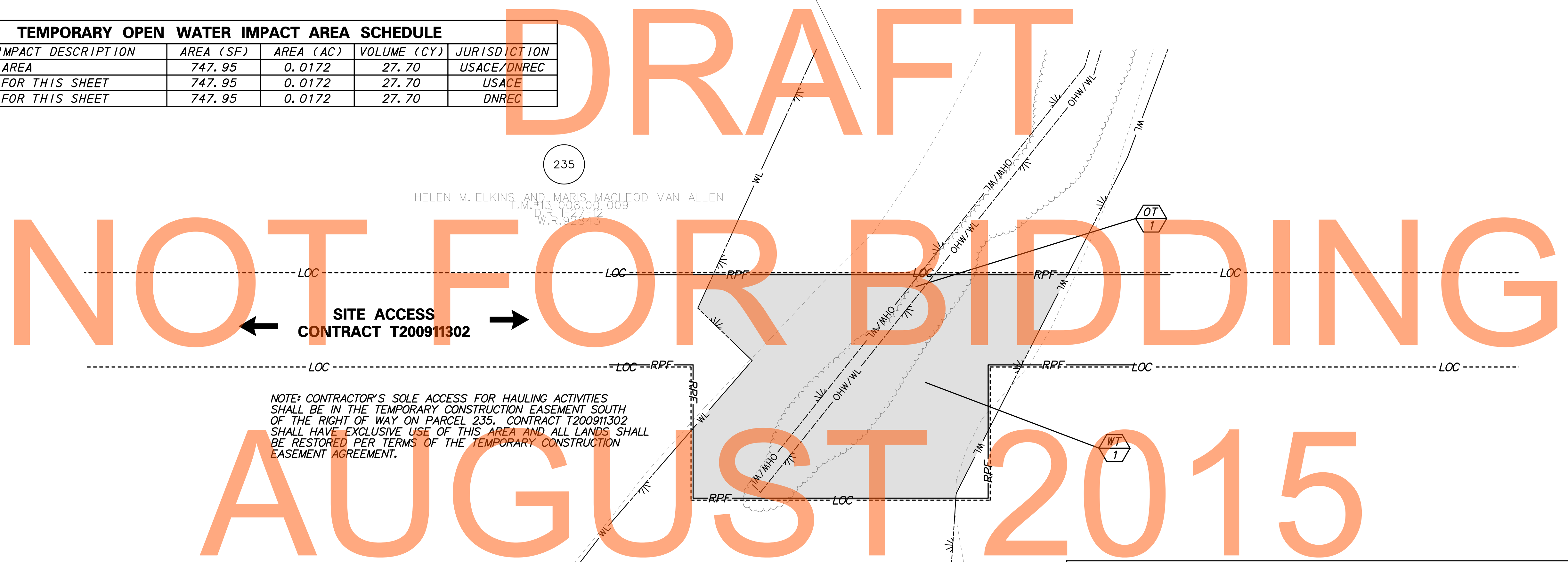


LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
-----OHW-----	ORDINARY HIGH WATER
- - - - - OHW/WL - - - - -	ORD. HIGH WATER / WETLAND
- - - - - WL - - - - -	WETLAND BOUNDARY
- - - - - STW - - - - -	STATE TIDAL WETLAND
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O = OPEN WATER IMPACT W = WETLAND IMPACT	
T = TEMPORARY IMPACT	

US 301 SOUTHBOUND
(CONTRACT T200911308)

US 301 NORTHBOUND
(CONTRACT T200911308)

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
3-OT1	E&S AREA	747.95	0.0172	27.70	USACE/DNREC
TOTAL USACE FOR THIS SHEET		747.95	0.0172	27.70	USACE
TOTAL DNREC FOR THIS SHEET		747.95	0.0172	27.70	DNREC



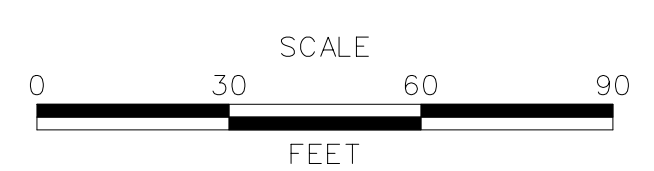
TEMPORARY WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
3-WT1	E&S AREA	15,241.53	0.3499	N/A	USACE
TOTAL USACE FOR THIS SHEET		15,241.53	0.3499	N/A	USACE
TOTAL DNREC FOR THIS SHEET		N/A	N/A	N/A	DNREC

- NOTES:
- NO GRUBBING TO THE WETLANDS SHOWN ON THIS SHEET.
 - TEMPORARY IMPACTS TO WETLANDS WILL BE RESTORED. SEE MOT SHEETS FOR DETAILS.

\$0.00 NAME \$ 8 TIMES



ADDENDUMS / REVISIONS



**US 301 &
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

**ENVIRONMENTAL
COMPLIANCE PLAN**

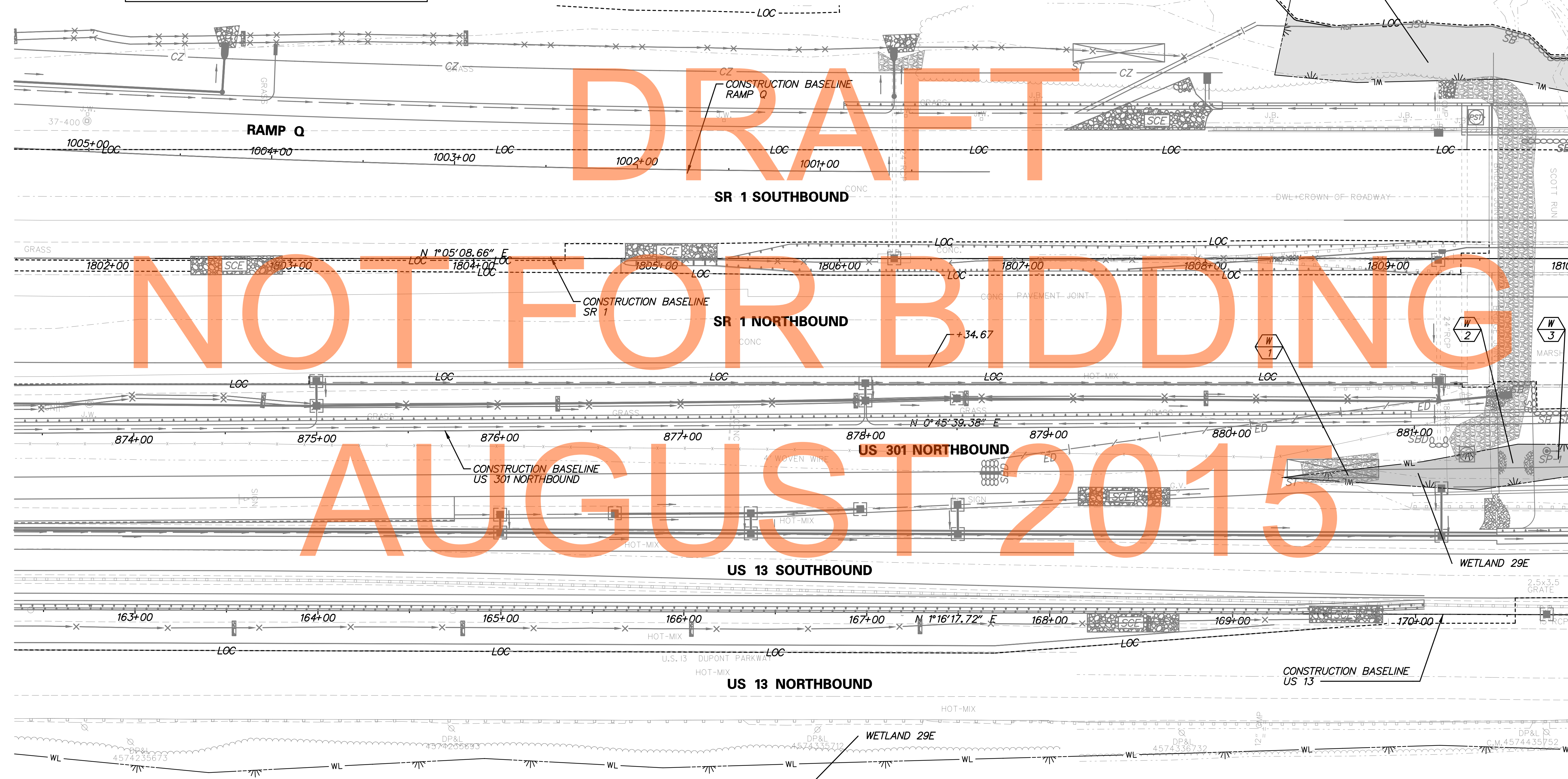
EC-03
SHEET NO. 369
TOTAL SHTS. 491

LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	STATE TIDAL WETLAND
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O = OPEN WATER IMPACT W = WETLAND IMPACT	
T = TEMPORARY IMPACT	

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-W1	FILL	1,298.81	0.0298	N/A	USACE
4-W2	RIPRAP	408.16	0.0094	N/A	USACE
4-W3 *2	SHADING	379.77	0.0087	N/A	USACE
TOTAL USACE FOR THIS SHEET		2,086.74	0.0479	N/A	USACE
TOTAL DNREC FOR THIS SHEET		N/A	N/A	N/A	DNREC

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-WT1 *1	E&S AREA	4,669.56	0.1072	N/A	USACE
TOTAL USACE FOR THIS SHEET		4,669.56	0.1072	N/A	USACE
TOTAL DNREC FOR THIS SHEET		N/A	N/A	N/A	DNREC

- NOTES:
- BOG TURTLE PROTECTION AREA. SEE EC NOTE 2B FOR RESTRICTIONS AND DETAILS.
 - DUE TO THE SENSITIVITY OF THIS AREA, REINFORCED SILT FENCE HAS BEEN USED IN PLACE OF RESOURCE PROTECTION FENCE.
 - NO GRUBBING TO THE WETLANDS SHOWN ON THIS SHEET.
 - TEMPORARY IMPACTS TO WETLAND WILL BE RESTORED. SEE MOT SHEETS DETAILS.



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AUGUST 2015

MATCH LINE STA. 1810 + 00

LEGEND

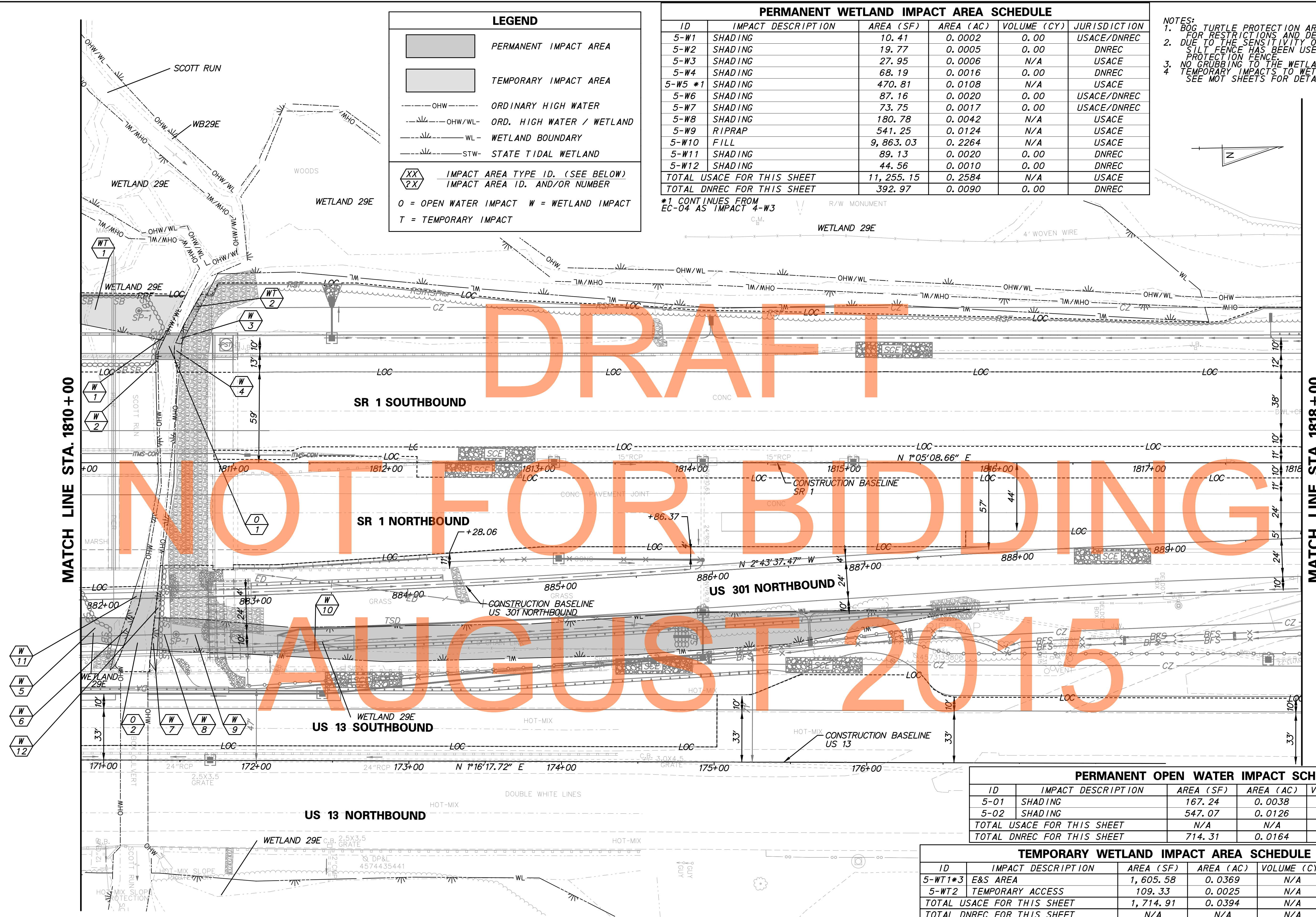
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	STATE TIDAL WETLAND
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O	= OPEN WATER IMPACT
W	= WETLAND IMPACT
T	= TEMPORARY IMPACT

PERMANENT WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
5-W1	SHADING	10.41	0.0002	0.00	USACE/DNREC
5-W2	SHADING	19.77	0.0005	0.00	DNREC
5-W3	SHADING	27.95	0.0006	N/A	USACE
5-W4	SHADING	68.19	0.0016	0.00	DNREC
5-W5 *1	SHADING	470.81	0.0108	N/A	USACE
5-W6	SHADING	87.16	0.0020	0.00	USACE/DNREC
5-W7	SHADING	73.75	0.0017	0.00	USACE/DNREC
5-W8	SHADING	180.78	0.0042	N/A	USACE
5-W9	RIPRAP	541.25	0.0124	N/A	USACE
5-W10	FILL	9,863.03	0.2264	N/A	USACE
5-W11	SHADING	89.13	0.0020	0.00	DNREC
5-W12	SHADING	44.56	0.0010	0.00	DNREC
TOTAL USACE FOR THIS SHEET		11,255.15	0.2584	N/A	USACE
TOTAL DNREC FOR THIS SHEET		392.97	0.0090	0.00	DNREC

*1 CONTINUES FROM EC-04 AS IMPACT 4-W3

NOTES:
 1. BOG TURTLE PROTECTION AREA. SEE EC NOTE 2B FOR RESTRICTIONS AND DETAILS.
 2. DUE TO THE SENSITIVITY OF THIS AREA, REINFORCED SILT FENCE HAS BEEN USED IN PLACE OF RESOURCE PROTECTION FENCE.
 3. NO GRUBBING TO THE WETLANDS SHOWN ON THIS SHEET.
 4. TEMPORARY IMPACTS TO WETLAND WILL BE RESTORED. SEE MOT SHEETS FOR DETAILS.



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AUGUST 2015

PERMANENT OPEN WATER IMPACT SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
5-O1	SHADING	167.24	0.0038	N/A	DNREC
5-O2	SHADING	547.07	0.0126	N/A	DNREC
TOTAL USACE FOR THIS SHEET		N/A	N/A	N/A	USACE
TOTAL DNREC FOR THIS SHEET		714.31	0.0164	N/A	DNREC

TEMPORARY WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
5-WT1*3	E&S AREA	1,605.58	0.0369	N/A	USACE
5-WT2	TEMPORARY ACCESS	109.33	0.0025	N/A	USACE
TOTAL USACE FOR THIS SHEET		1,714.91	0.0394	N/A	USACE
TOTAL DNREC FOR THIS SHEET		N/A	N/A	N/A	DNREC

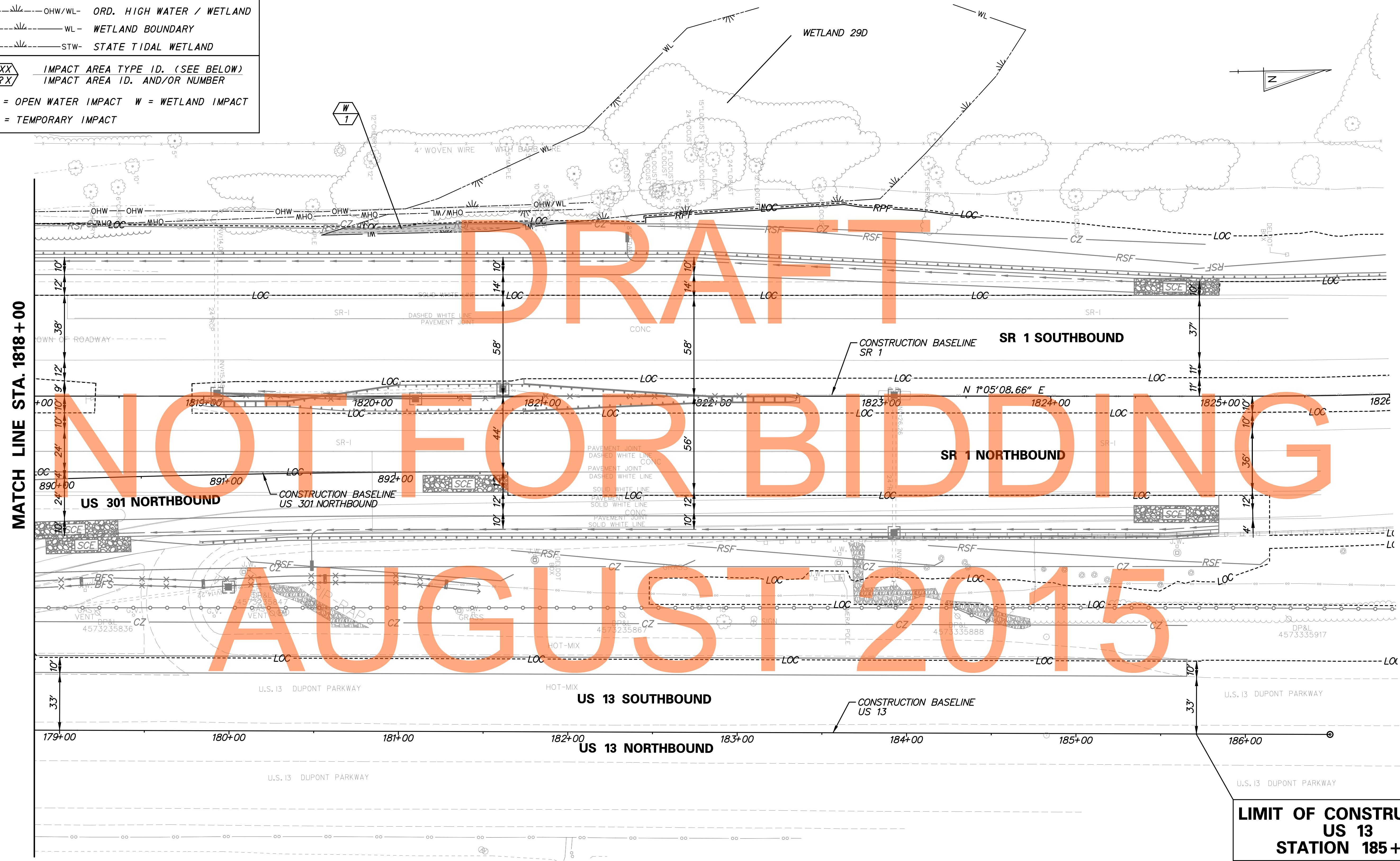
*3 CONTINUES FROM EC-04 AS IMPACT 4-WT1

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW ----- ORDINARY HIGH WATER
- |--- OHW/WL --- ORD. HIGH WATER / WETLAND
- |--- WL --- WETLAND BOUNDARY
- |--- STW --- STATE TIDAL WETLAND
- XX
?X IMPACT AREA TYPE ID. (SEE BELOW)
IMPACT AREA ID. AND/OR NUMBER
- O = OPEN WATER IMPACT W = WETLAND IMPACT
- T = TEMPORARY IMPACT

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
6-W1	FILL	611.63	0.0140	N/A	USACE
TOTAL USACE FOR THIS SHEET		611.63	0.0140	N/A	USACE
TOTAL DNREC FOR THIS SHEET		N/A	N/A	N/A	DNREC

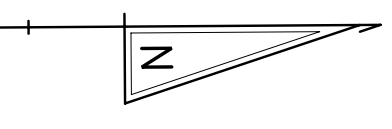
NOTES:
 1. BOG TURTLE PROTECTION AREA. SEE EC NOTE 2B FOR RESTRICTIONS AND DETAILS.
 2. DUE TO THE SENSITIVITY OF THIS AREA, REINFORCED SILT FENCE HAS BEEN USED IN PLACE OF RESOURCE PROTECTION FENCE.



MATCH LINE STA. 1818 +00

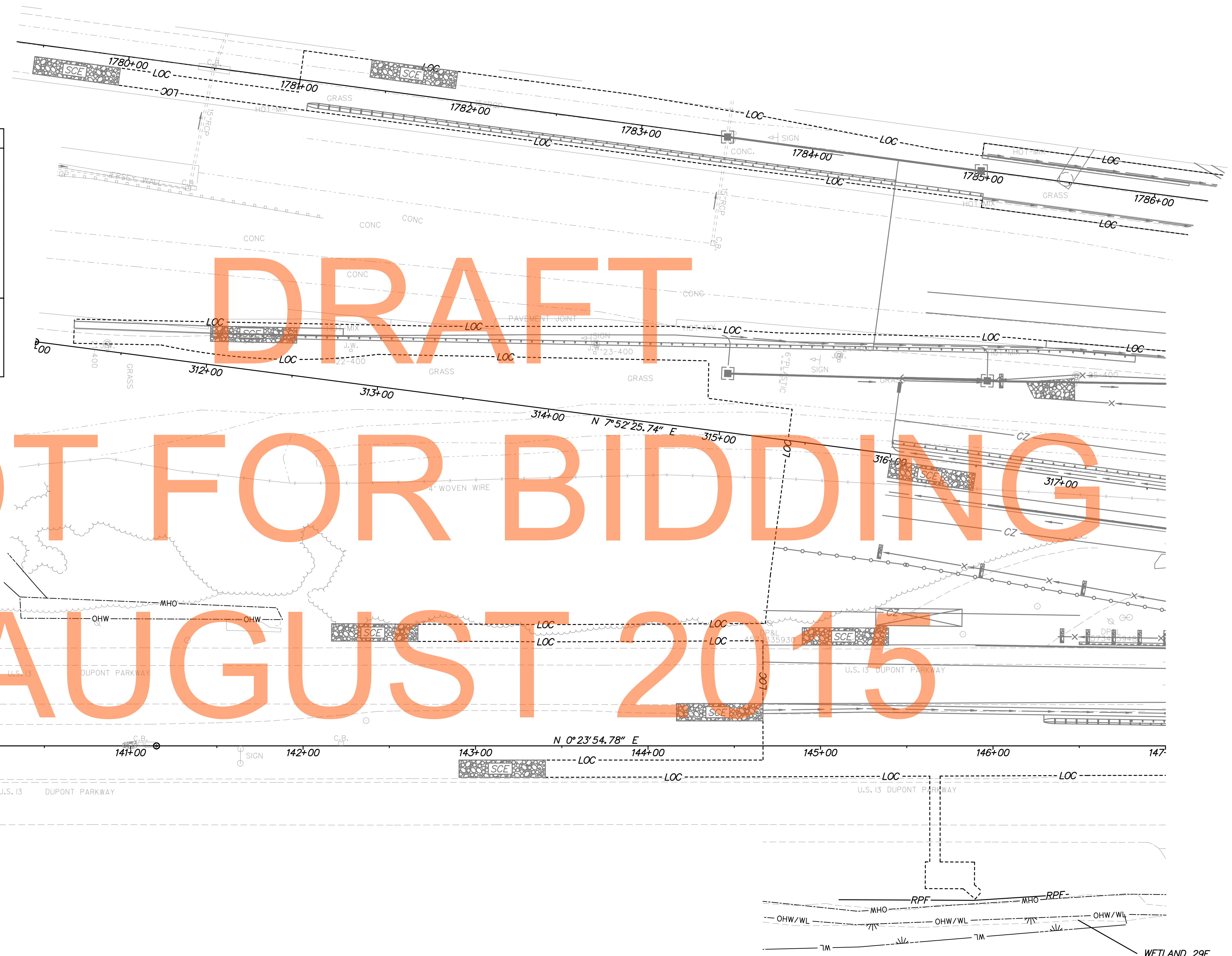
**LIMIT OF CONSTRUCTION
 US 13
 STATION 185 + 71**

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 AUGUST 2015



LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	STATE TIDAL WETLAND
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT

NOTE: NO IMPACTS ON THIS SHEET.

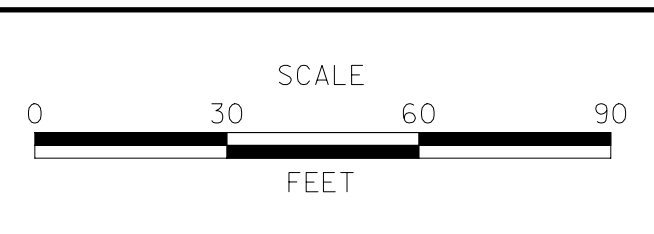


DRAFT

NOT FOR BIDDING

AUGUST 2015

ADDENDUMS / REVISIONS



**US 301 &
SR 1 INTERCHANGE**

CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-07
SHEET NO. 373
TOTAL SHTS. 491