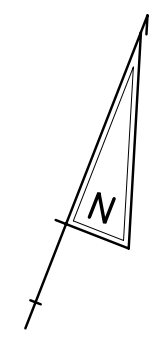
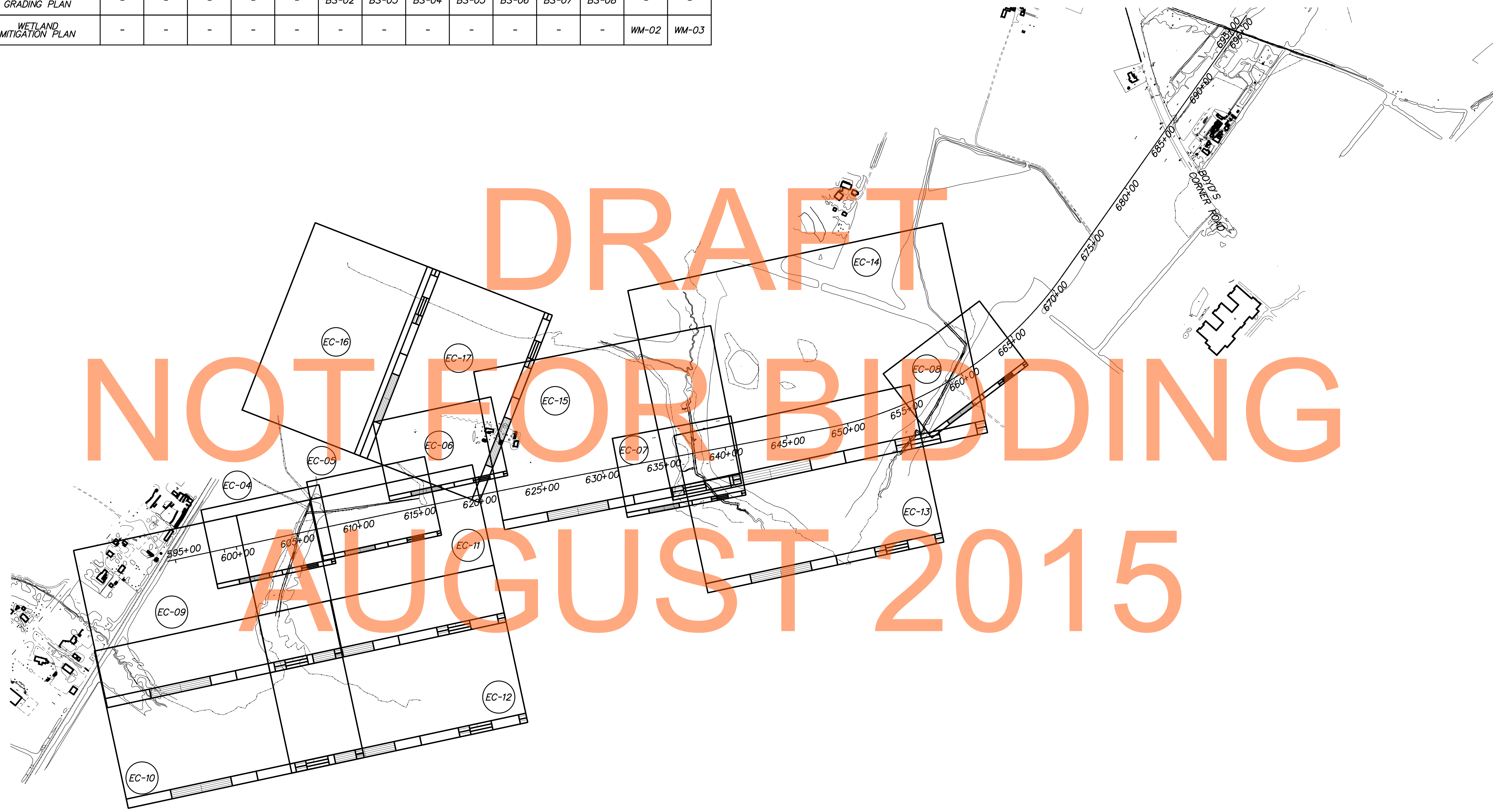


PLAN SHEET INDEX CROSS REFERENCE														
ENVIRONMENTAL COMPLIANCE	EC-04 170	EC-05 171	EC-06 172	EC-07 173	EC-08 174	EC-09 175	EC-10 176	EC-11 177	EC-12 178	EC-13 179	EC-14 180	EC-15 181	EC-16 182	EC-17 183
CONSTRUCTION PLAN	CP-02	CP-03	CP-04 CP-05	CP-07	CP-12	-	-	-	-	-	-	-	-	-
BORROW SITE GRADING PLAN	-	-	-	-	-	BS-02	BS-03	BS-04	BS-05	BS-06	BS-07	BS-08	-	-
WETLAND MITIGATION PLAN	-	-	-	-	-	-	-	-	-	-	-	-	WM-02	WM-03



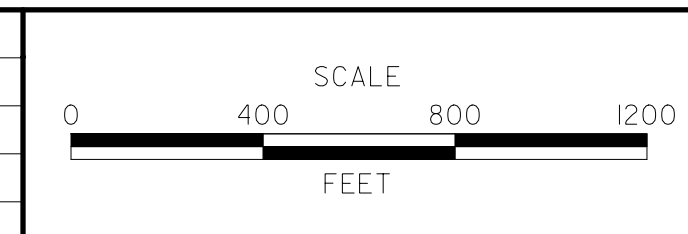
DRAFT  
NOT FOR BIDDING  
AUGUST 2015



\$FILES \$DATES



ADDENDUMS / REVISIONS



**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL CHECKED BY: LMM

**ENVIRONMENTAL  
COMPLIANCE INDEX**

<b>EC-01</b>
SHEET NO. 167
TOTAL SHTS. 240

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 WO CERTIFICATION); PROVISIONAL APPROVAL AUGUST 18, 2009; EXPIRES DECEMBER 31, 2019\*\*
- DNREC SUBAQUEOUS LANDS PERMIT - PENDING\*\*
- DNREC 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: NONE

FISHERIES: NONE

MIGRATORY BIRDS: NONE

C. PROTECTION OF RESOURCES:

I. 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. STREAM RESTORATION AND SLOPE RIPRAP TREATMENT:

I. THE CONTRACTOR SHALL FOLLOW THE SPECIAL PROVISIONS OF ITEM 712531 - CHANNEL BED FILL, IN REGARDS TO THE SALVAGING OF ON-SITE NATURAL STREAM BOTTOM MATERIAL OR THE FURNISHING OF OFF-SITE MATERIAL. IF A SEPARATE SPECIAL PROVISION OR MATERIAL GRADATION HAS BEEN DETAILED ON THE PLANS FOR A SPECIFIC CHANNEL LOCATION, THAT SPECIFICATION OR GRADATION SHALL BE UTILIZED FOR CHANNEL BED FILL AT THE INDICATED LOCATION(S). PIPES WITH DIAMETERS >= 60" SHALL BE RECESSED A MINIMUM OF 12" BELOW THE STREAMBED ELEVATION. PIPES < 60" SHALL BE RECESSED A MINIMUM OF 4" OR 20% OF THE DIAMETER OF THE PIPE, WHICHEVER IS GREATER. BOX CULVERTS SHALL BE RECESSED 12" BELOW THE STREAMBED ELEVATION. ALL RIPRAP SHALL BE PLACED SUCH THAT THE TOP OF THE RIPRAP IS PLACED TO MATCH THE INVERT ELEVATION OF THE PIPE OR CULVERT AND CHOKED WITH BORROW TYPE 'B' SO THAT ALL OF THE VOIDS IN THE RIPRAP ARE FILLED WITH MATERIAL. PAYMENT UNDER ITEM 209002 - BORROW TYPE 'B'. THE RIPRAP SHALL THEN BE COVERED WITH CHANNEL BED FILL TO MATCH EXISTING UPSTREAM/DOWNSTREAM CHANNEL BED ELEVATIONS. PAYMENT UNDER ITEM 712531 - CHANNEL BED FILL.

PIPES AND RIPRAP SHALL BE RECESSED IN STREAMS LOCATED AT THE FOLLOWING CROSSINGS:  
UNNAMED TRIBUTARY TO SPRING MILL BRANCH - STA 605+00  
UNNAMED TRIBUTARY TO DRAWYER CREEK - STA 659+00

II. OTHER AREAS OF THE CHANNEL BOTTOM AFFECTED BY CONSTRUCTION (INCLUDING, BUT NOT LIMITED TO, THE LOCATION OF SUMP PITS, STABILIZED OUTFALLS, TEMPORARY PIPES AND/OR SANDBAG DIKES AND DIVERSIONS) SHALL BE RESTORED TO PREDISTURBANCE CONDITIONS. ANY CAVITIES OR SCOUR HOLES RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE FILLED WITH CHANNEL BED FILL. PAYMENT UNDER ITEM 712531 - CHANNEL BED FILL.

III. WHEN ALL EROSION AND SEDIMENT CONTROL MEASURES ARE REMOVED AND THE STREAM RETURNS TO ITS NATURAL FLOW CONDITIONS, THE FLOW MUST REMAIN ABOVE GROUND AND ABOVE THE RIPRAP (I.E. THE FLOW CANNOT BE "LOST" IN THE RIPRAP OR BENEATH THE STRUCTURE). IF THIS IS NOT ACHIEVED, THE CONTRACTOR WILL BE REQUIRED TO TAKE CORRECTIVE ACTION AT THE CONTRACTOR'S EXPENSE.

IV. ALL RIPRAP ON THE STREAM BANK, ABOVE THE ORDINARY HIGH WATER MARK, SHALL BE PLACED AS DESCRIBED BELOW:

CHOKE THE RIPRAP WITH ENOUGH ITEM 302012 - DELAWARE \*57 STONE TO PREVENT THE LOSS OF TOPSOIL THROUGH THE RIPRAP AS APPROVED BY THE ENGINEER. FILL THE REMAINING VOIDS WITH TOPSOIL SO THAT THE RIPRAP IS BARELY VISIBLE. REGARDLESS OF DEPTH, THIS SHALL BE PAID FOR UNDER ITEM 733001 - TOPSOILING, 4" DEPTH. APPLY AN ADDITIONAL 4 INCH LAYER OF TOPSOIL (ITEM 733001 - TOPSOILING, 4" DEPTH). SEED WITH ITEM 734531 - STREAMBANK SEED MIX FROM ABOVE THE ORDINARY HIGH WATER MARK TO THE TOP OF THE SLOPE. IMMEDIATELY FOLLOWING THE SEEDING, INSTALL ITEM 735535 - SOIL RETENTION BLANKET MULCH, TYPE 5. ALL WORK, STARTING WITH TOPSOIL PLACEMENT THROUGH SEEDING AND MULCHING, SHALL BE COMPLETED PRIOR TO ANY RAIN EVENT. RIPRAP AND ALL OTHER ITEMS SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS.

STREAMBANK RIPRAP SHALL BE TREATED AS DESCRIBED ABOVE IN STREAMS LOCATED AT THE FOLLOWING CROSSINGS:  
UNNAMED TRIBUTARY TO SPRING MILL BRANCH - STA 605+00  
UNNAMED TRIBUTARY TO DRAWYER CREEK - STA 659+00

V. THE CHANNEL AND STREAM BANK SEGMENTS ENTERING AND EXITING THE BRIDGES, PIPES AND CULVERTS SHALL NOT BE WIDENED BEYOND THE DIMENSIONS SHOWN ON THE PLANS. THE CHANNEL WIDTHS, CHANNEL BANKS AND SIDE-SLOPES SHALL NOT BE WIDENED OR RE-CONTOURED TO ACCOMMODATE EASIER CONSTRUCTION OR ACCESS.

E. 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.

F. 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.

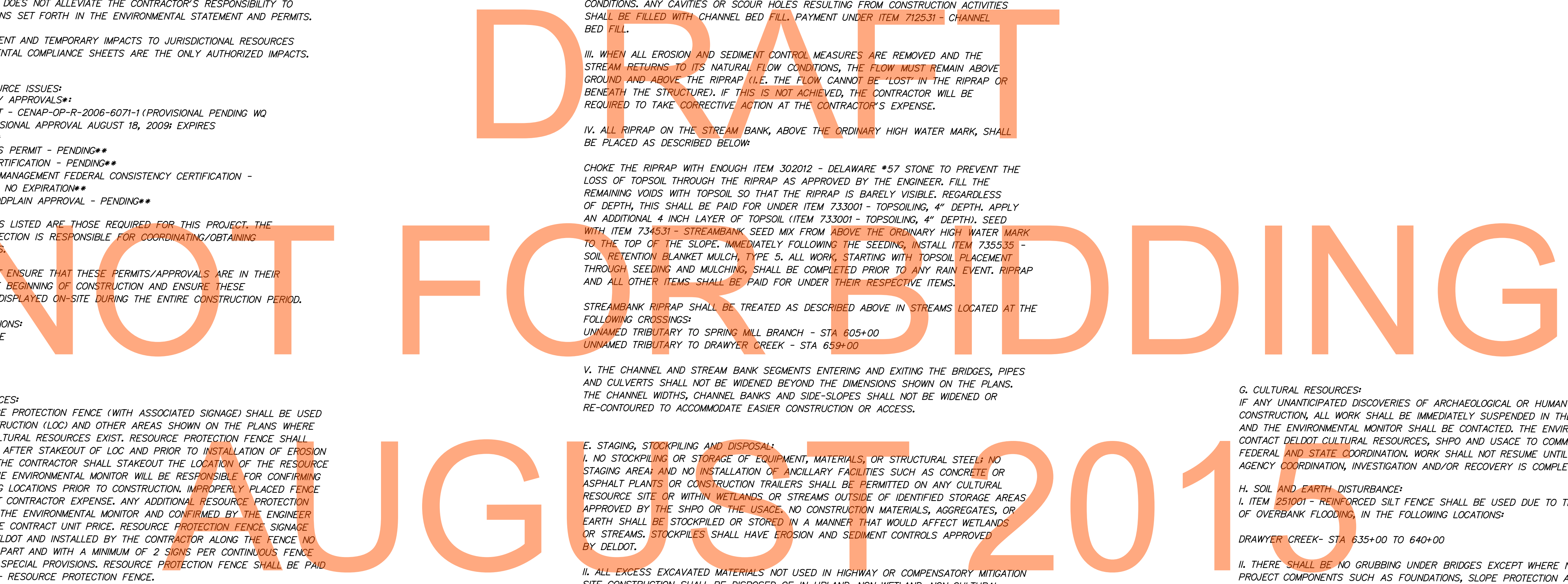
WETLANDS DELINEATED BY RUMMEL KLEPPER & KAHL, LLP. IN JUNE 2005 THROUGH DECEMBER 2010 IN ACCORDANCE WITH THE 1987 USACE WETLAND DELINEATION MANUAL AND APPLICABLE REGIONAL SUPPLEMENTS.

PRELIMINARY JURISDICTIONAL DETERMINATION AUGUST 18, 2009. WETLAND IDENTIFIERS CORRESPOND TO THE US 301 WETLAND DELINEATION REPORT.

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

SHEETS LAST UPDATED: APRIL 13, 2012

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



G. 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.

H. 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:

DRAWYER CREEK- STA 635+00 TO 640+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:

DRAWYER CREEK - STA 638+00

I. FLOODPLAIN:

NEW RIPRAP PLACED IN THE FLOODPLAIN BENEATH BRIDGES SHALL BE BURIED.

RIPRAP FLOODPLAIN LOCATIONS ARE AS FOLLOWS:

DRAWYER CREEK - STA 638+00

\$FILES \$DATES

<p><b>DELAWARE</b> DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS		<p style="text-align: center;"><b>NOT TO SCALE</b></p>	<p style="text-align: center;"><b>US 301,</b> <b>NORFOLK SOUTHERN RR TO SR 896</b></p>	CONTRACT	BRIDGE NO.	<p style="text-align: center;"><b>ENVIRONMENTAL COMPLIANCE NOTES</b></p>	SHEET NO.
	T200911301				DESIGNED BY:	REL		168
	COUNTY				CHECKED BY:	LMM		TOTAL SHTS.
	NEW CASTLE							240

EC-02
SHEET NO.
168
TOTAL SHTS.
240

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-01	RIPRAP	275.69	0.0063	10.21	USACE/DNREC
4-02	FILL	959.68	0.0220	35.54	USACE
4-03	FILL	2,738.96	0.0629	101.44	USACE/DNREC
4-04	RIPRAP	322.03	0.0074	11.93	USACE/DNREC
5-01	FILL	7,089.90	0.1628	262.59	USACE
7-01	SHADING	745.94	0.0171	N/A	DNREC
7-02	SHADING	740.29	0.0170	N/A	DNREC
8-01	FILL	7,322.34	0.1681	271.20	USACE/DNREC
8-02	RIPRAP	35.18	0.0008	1.30	USACE/DNREC
8-03	RIPRAP	114.80	0.0026	4.25	USACE/DNREC
TOTAL USACE FOR THIS SHEET		18,858.58	0.4329	698.47	USACE
TOTAL DNREC FOR THIS SHEET		12,295.22	0.2823	400.33	DNREC

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-W1	FILL	9,421.28	0.2163	N/A	USACE
4-W2	FILL	13,942.62	0.3201	N/A	USACE
4-W3	EXCAVATION	1,565.07	0.0359	N/A	USACE
4-W4	RIPRAP	260.05	0.0060	N/A	USACE
5-W1	FILL	4,355.00	0.1000	N/A	USACE
5-W2	EXCAVATION	324.41	0.0074	N/A	USACE
7-W1	SHADING	4,575.89	0.1050	N/A	USACE
7-W2	SHADING	4,382.01	0.1006	N/A	USACE
7-W3	FILL	300.51	0.0069	N/A	USACE
8-W1	EXCAVATION	223.28	0.0051	N/A	USACE
14-W1	EXCAVATION	19,700.65	0.4523	N/A	USACE
14-W2	EXCAVATION	4,500.76	0.1033	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		63,551.53	1.4589	N/A	

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-OT1	E&S AREA	578.81	0.0133	21.44	USACE/DNREC
4-OT2	E&S AREA	395.69	0.0091	14.66	USACE/DNREC
7-OT1	TEMPORARY ACCESS	603.44	0.0139	22.35	USACE/DNREC
7-OT2	TEMPORARY ACCESS	745.94	0.0171	27.63	USACE
7-OT3	TEMPORARY ACCESS	658.02	0.0151	24.37	USACE/DNREC
7-OT4	TEMPORARY ACCESS	740.29	0.0170	27.42	USACE
7-OT5	TEMPORARY ACCESS	166.36	0.0038	6.16	USACE/DNREC
7-OT6	TEMPORARY ACCESS	82.64	0.0019	3.06	USACE/DNREC
8-OT1	E&S AREA	534.27	0.0123	19.79	USACE/DNREC
8-OT2	E&S AREA	788.75	0.0181	29.21	USACE/DNREC
TOTAL USACE FOR THIS SHEET		5,294.21	0.1216	196.09	USACE
TOTAL DNREC FOR THIS SHEET		3,807.98	0.0875	141.04	DNREC

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
7-WT1	TEMPORARY ACCESS	5,763.90	0.1323	N/A	USACE
7-WT2	TEMPORARY ACCESS	3,616.13	0.0830	N/A	USACE
7-WT3	TEMPORARY ACCESS	1,217.13	0.0279	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACTS		10,597.16	0.2433	N/A	

DRAFT

NOT FOR BIDDING

AUGUST 2015

\$FILES \$DATES

**LEGEND**

	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
-----OHW-----	ORDINARY HIGH WATER
-----OHW/WL-----	ORD. HIGH WATER / WETLAND
-----WL-----	WETLAND BOUNDARY
-----RPF-----	RESOURCE PROTECTION FENCE
-----LOC-----	LIMIT OF CONSTRUCTION
-----OHW-----	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER

O = OPEN WATER IMPACT    W = WETLAND IMPACT  
T = TEMPORARY IMPACT

**PERMANENT OPEN WATER IMPACT AREA SCHEDULE**

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-01	RIPRAP	275.69	0.0063	10.21	USACE/DNREC
4-02 *1	FILL	959.68	0.0220	35.54	USACE
4-03	FILL	2,738.96	0.0629	101.44	USACE/DNREC
4-04	RIPRAP	322.03	0.0074	11.93	USACE/DNREC
TOTAL USACE FOR THIS SHEET		4,296.36	0.0986	159.12	USACE
TOTAL DNREC FOR THIS SHEET		3,336.68	0.0766	123.58	DNREC

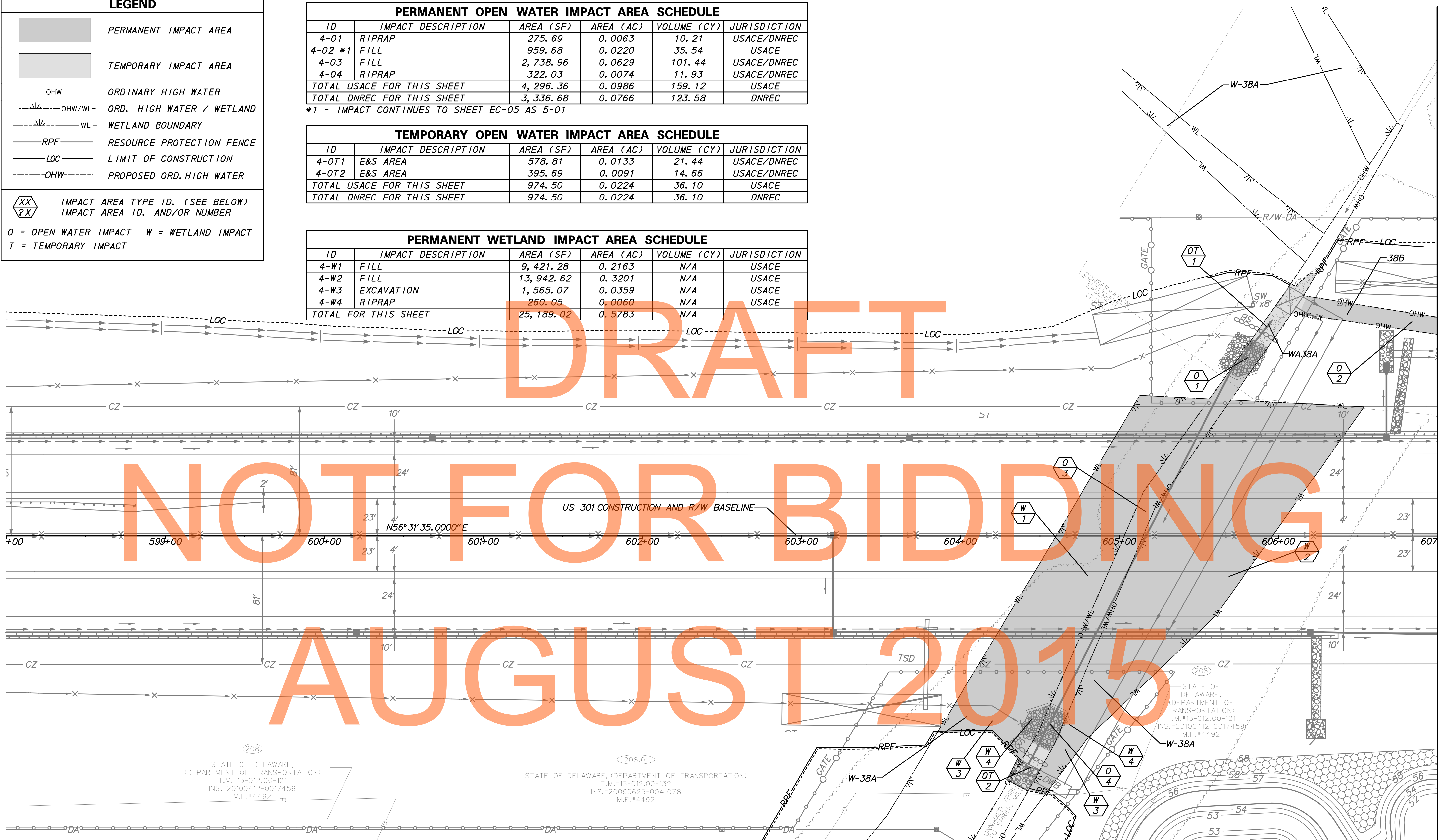
\*1 - IMPACT CONTINUES TO SHEET EC-05 AS 5-01

**TEMPORARY OPEN WATER IMPACT AREA SCHEDULE**

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-OT1	E&S AREA	578.81	0.0133	21.44	USACE/DNREC
4-OT2	E&S AREA	395.69	0.0091	14.66	USACE/DNREC
TOTAL USACE FOR THIS SHEET		974.50	0.0224	36.10	USACE
TOTAL DNREC FOR THIS SHEET		974.50	0.0224	36.10	DNREC

**PERMANENT WETLAND IMPACT AREA SCHEDULE**

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
4-W1	FILL	9,421.28	0.2163	N/A	USACE
4-W2	FILL	13,942.62	0.3201	N/A	USACE
4-W3	EXCAVATION	1,565.07	0.0359	N/A	USACE
4-W4	RIPRAP	260.05	0.0060	N/A	USACE
TOTAL FOR THIS SHEET		25,189.02	0.5783	N/A	



DRAFT

NOT FOR BIDDING

AUGUST 2015

MATCH LINE STA. 607+00

\$DATES  
\$FILES

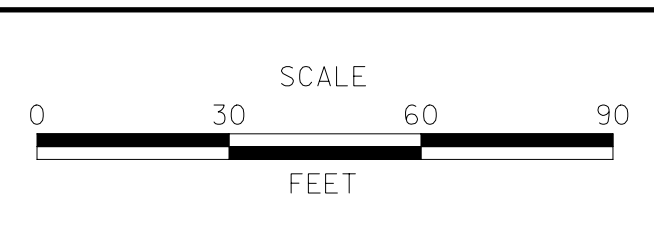
(208)  
STATE OF DELAWARE,  
(DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-121  
INS.#20100412-0017459  
M.F.#4492

(208.01)  
STATE OF DELAWARE, (DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-132  
INS.#20090625-0041078  
M.F.#4492

(208)  
STATE OF DELAWARE,  
(DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-121  
INS.#20100412-0017459  
M.F.#4492



ADDENDUMS / REVISIONS	



**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

**ENVIRONMENTAL  
COMPLIANCE PLAN**

EC-04
SHEET NO. 170
TOTAL SHTS. 240

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
5-01*1	FILL	7,089.90	0.1628	262.59	USACE
TOTAL USACE FOR THIS SHEET		7,089.90	0.1628	262.59	USACE
TOTAL DNREC FOR THIS SHEET		N/A	N/A	N/A	DNREC

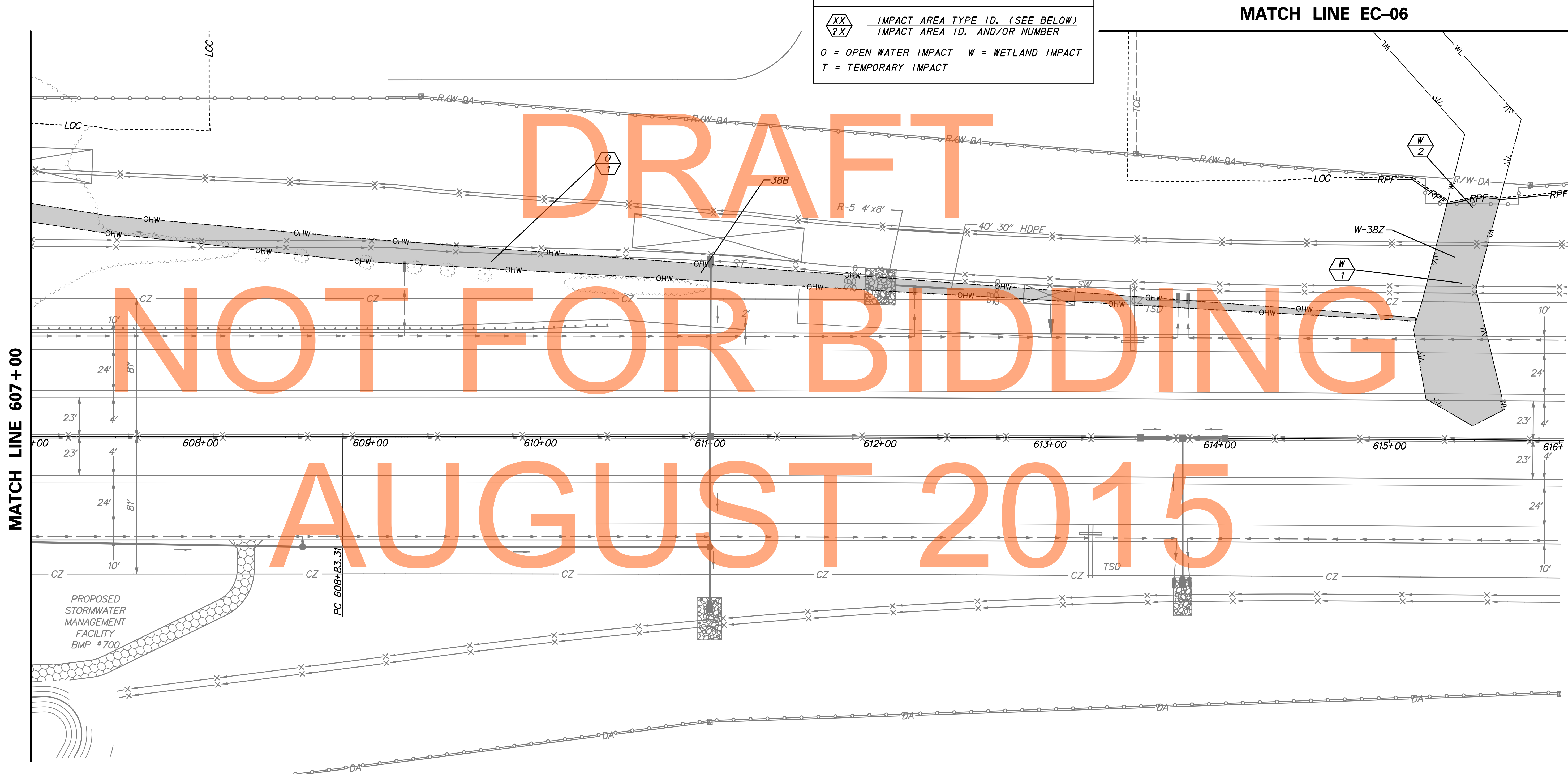
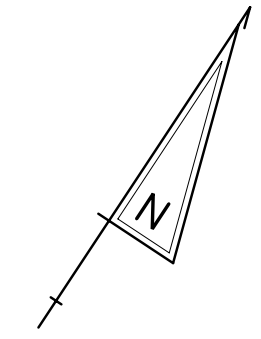
\*1 - CONTINUES FROM SHEET EC-04 AS 4-02

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
5-W1	FILL	4,355.00	0.1000	N/A	USACE
5-W2	EXCAVATION	324.41	0.0074	N/A	USACE
TOTAL FOR THIS SHEET		4,679.41	0.1074	N/A	

**LEGEND**

PERMANENT IMPACT AREA  
 TEMPORARY IMPACT AREA  
 OHW --- ORDINARY HIGH WATER  
 OHW/WL --- ORD. HIGH WATER / WETLAND  
 WL --- WETLAND BOUNDARY  
 RPF --- RESOURCE PROTECTION FENCE  
 LOC --- LIMIT OF CONSTRUCTION  
 OHW --- PROPOSED ORD. HIGH WATER

IMPACT AREA TYPE ID. (SEE BELOW)  
 IMPACT AREA ID. AND/OR NUMBER  
 O = OPEN WATER IMPACT    W = WETLAND IMPACT  
 T = TEMPORARY IMPACT



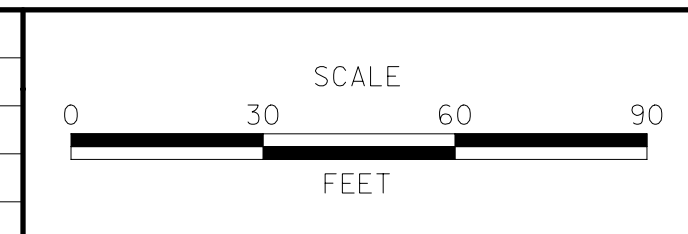
MATCH LINE EC-06

MATCH LINE 607+00

\$DATES  
\$FILES

DRAFT  
NOT FOR BIDDING  
AUGUST 2015

ADDENDUMS / REVISIONS



CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

# DRAFT NOT FOR BIDDING AUGUST 2015

NOTE: RESOURCE PROTECTION FENCE SHOWN ON PARCELS 208.01 AND 215 IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE FENCE IS OUTSIDE OF THE RIGHT-OF-WAY/EASEMENTS AVAILABLE FOR CONTRACTOR USE. FENCE TO BE INSTALLED AND MAINTAINED BY OTHERS.

AREA NOT INCLUDED IN CONSERVATION EASEMENT

**LEGEND**

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW --- ORDINARY HIGH WATER
- OHW/WL --- ORD. HIGH WATER / WETLAND
- WL --- WETLAND BOUNDARY
- RPF --- RESOURCE PROTECTION FENCE
- LOC --- LIMIT OF CONSTRUCTION
- OHW --- PROPOSED ORD. HIGH WATER

XX IMPACT AREA TYPE ID. (SEE BELOW)  
?X IMPACT AREA ID. AND/OR NUMBER

O = OPEN WATER IMPACT    W = WETLAND IMPACT  
 T = TEMPORARY IMPACT

NOTE: NO IMPACTS ON THIS SHEET

MATCH LINE EC-05

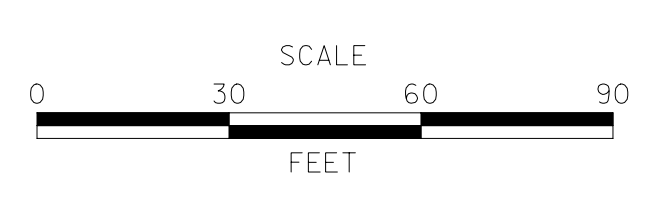
(215)  
STATE OF DELAWARE,  
(DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-063  
INS.#20090625-0041079  
M.F.#4492

(208.01)  
STATE OF DELAWARE,  
(DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-132  
INS.#20090625-0041078  
M.F.#4492

STATE OF DELAWARE, (DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-133  
INS.#20090625-0041077  
M.F.#4492



ADDENDUMS / REVISIONS



**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

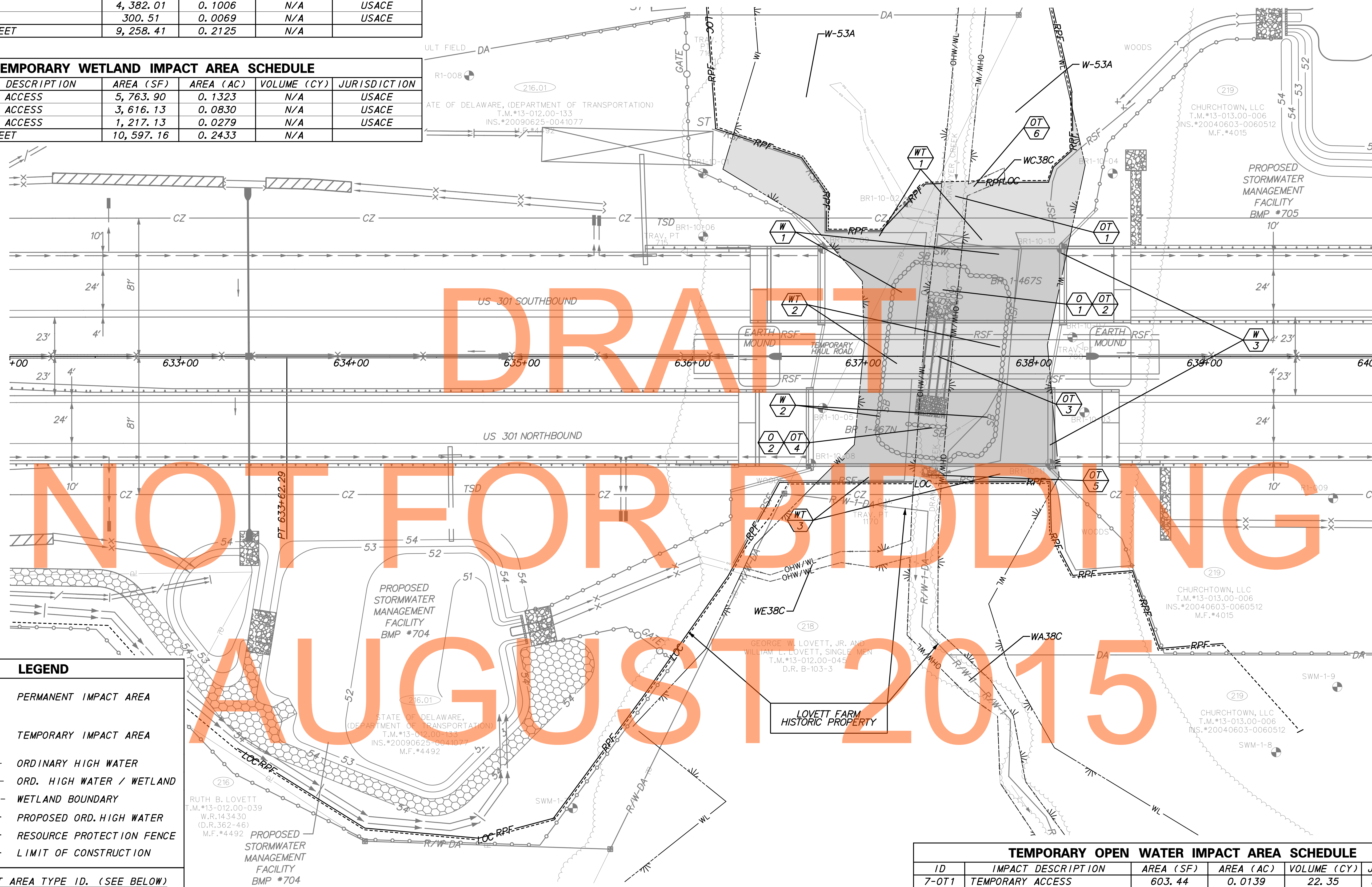
CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL CHECKED BY: LMM

**ENVIRONMENTAL  
COMPLIANCE PLAN**

EC-06
SHEET NO. 172
TOTAL SHTS. 240

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
7-W1	SHADING	4,575.89	0.1050	N/A	USACE
7-W2	SHADING	4,382.01	0.1006	N/A	USACE
7-W3	FILL	300.51	0.0069	N/A	USACE
TOTAL FOR THIS SHEET		9,258.41	0.2125	N/A	

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
7-WT1	TEMPORARY ACCESS	5,763.90	0.1323	N/A	USACE
7-WT2	TEMPORARY ACCESS	3,616.13	0.0830	N/A	USACE
7-WT3	TEMPORARY ACCESS	1,217.13	0.0279	N/A </td <td>USACE</td>	USACE
TOTAL FOR THIS SHEET		10,597.16	0.2433	N/A	



DRAFT

NOT FOR BIDDING

AUGUST 2015

**LEGEND**

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW
- OHW/WL
- WL
- OHW
- RPF
- LOC

XX XX IMPACT AREA TYPE ID. (SEE BELOW)  
 ?X ?X IMPACT AREA ID. AND/OR NUMBER

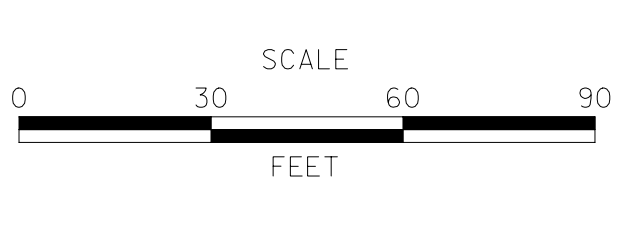
O = OPEN WATER IMPACT W = WETLAND IMPACT  
 T = TEMPORARY IMPACT

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
7-01	SHADING	745.94	0.0171	N/A	DNREC
7-02	SHADING	740.29	0.0170	N/A	DNREC
TOTAL USACE FOR THIS SHEET		N/A	N/A	N/A	USACE
TOTAL DNREC FOR THIS SHEET		1,486.22	0.0341	N/A	DNREC

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
7-OT1	TEMPORARY ACCESS	603.44	0.0139	22.35	USACE/DNREC
7-OT2	TEMPORARY ACCESS	745.94	0.0171	27.63	USACE
7-OT3	TEMPORARY ACCESS	658.02	0.0151	24.37	USACE/DNREC
7-OT4	TEMPORARY ACCESS	740.29	0.0170	27.42	USACE
7-OT5	TEMPORARY ACCESS	166.36	0.0038	6.16	USACE/DNREC
7-OT6	TEMPORARY ACCESS	82.64	0.0019	3.06	USACE/DNREC
TOTAL USACE FOR THIS SHEET		2,996.69	0.0688	110.99	USACE
TOTAL DNREC FOR THIS SHEET		1,510.46	0.0347	55.94	DNREC



ADDENDUMS / REVISIONS	



**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T20091301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

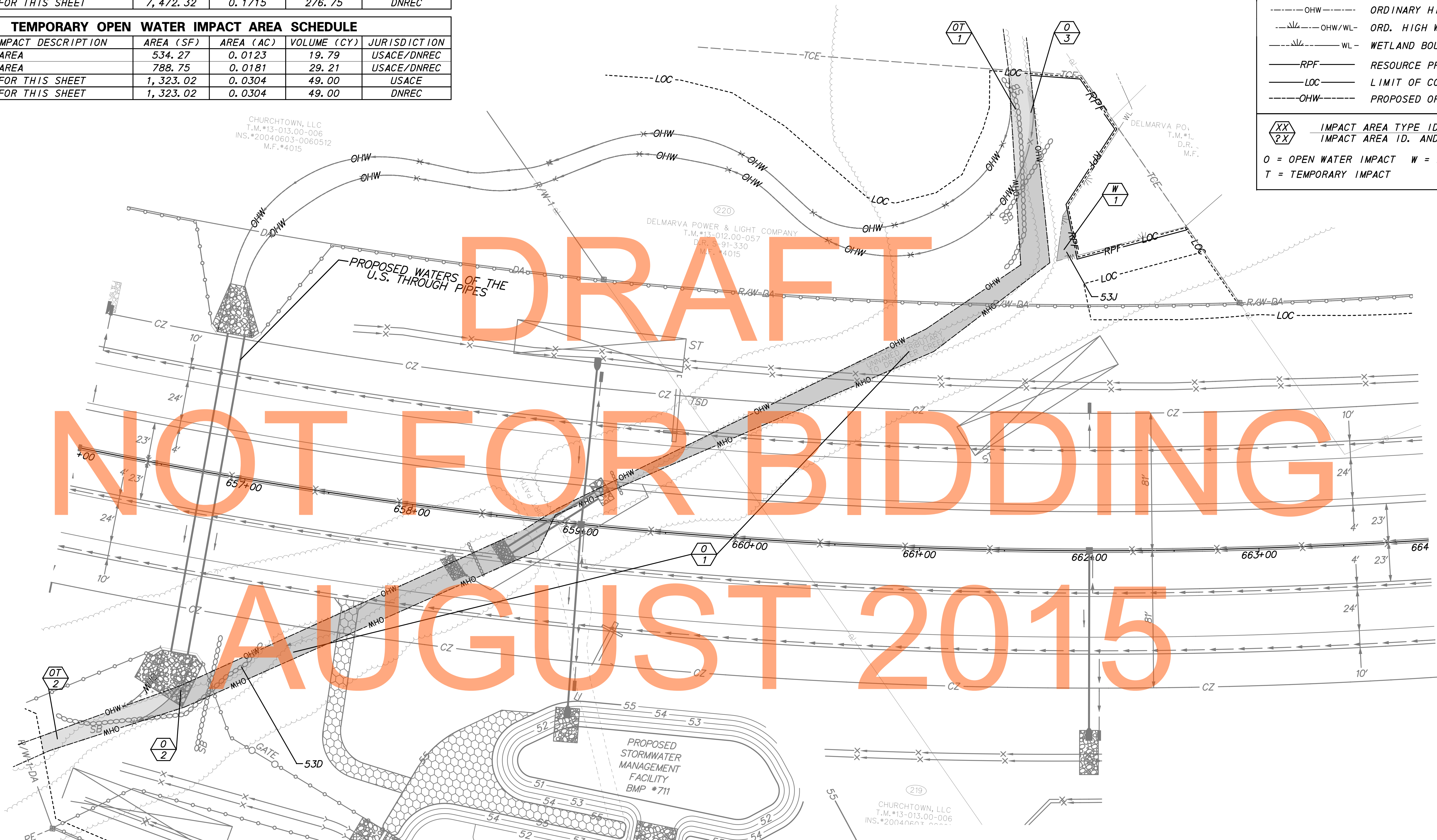
**ENVIRONMENTAL  
COMPLIANCE PLAN**

EC-07
SHEET NO. 173
TOTAL SHTS. 240

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
8-01	FILL	7,322.34	0.1681	271.20	USACE/DNREC
8-02	RIPRAP	35.18	0.0008	1.30	USACE/DNREC
8-03	RIPRAP	114.80	0.0026	4.25	USACE/DNREC
TOTAL USACE FOR THIS SHEET		7,472.32	0.1715	276.75	USACE
TOTAL DNREC FOR THIS SHEET		7,472.32	0.1715	276.75	DNREC

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
8-OT1	E&S AREA	534.27	0.0123	19.79	USACE/DNREC
8-OT2	E&S AREA	788.75	0.0181	29.21	USACE/DNREC
TOTAL USACE FOR THIS SHEET		1,323.02	0.0304	49.00	USACE
TOTAL DNREC FOR THIS SHEET		1,323.02	0.0304	49.00	DNREC

LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	OHW - ORDINARY HIGH WATER
	OHW/WL - ORD. HIGH WATER / WETLAND
	WL - WETLAND BOUNDARY
	RPF - RESOURCE PROTECTION FENCE
	LOC - LIMIT OF CONSTRUCTION
	OHW - PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT



DRAFT

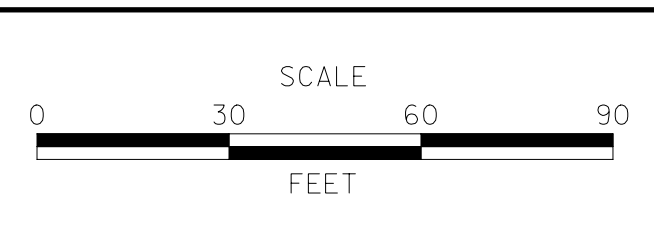
NOT FOR BIDDING

AUGUST 2015

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
8-W1	EXCAVATION	223.28	0.0051	N/A	USACE
TOTAL FOR THIS SHEET		223.28	0.0051	N/A	



ADDENDUMS / REVISIONS



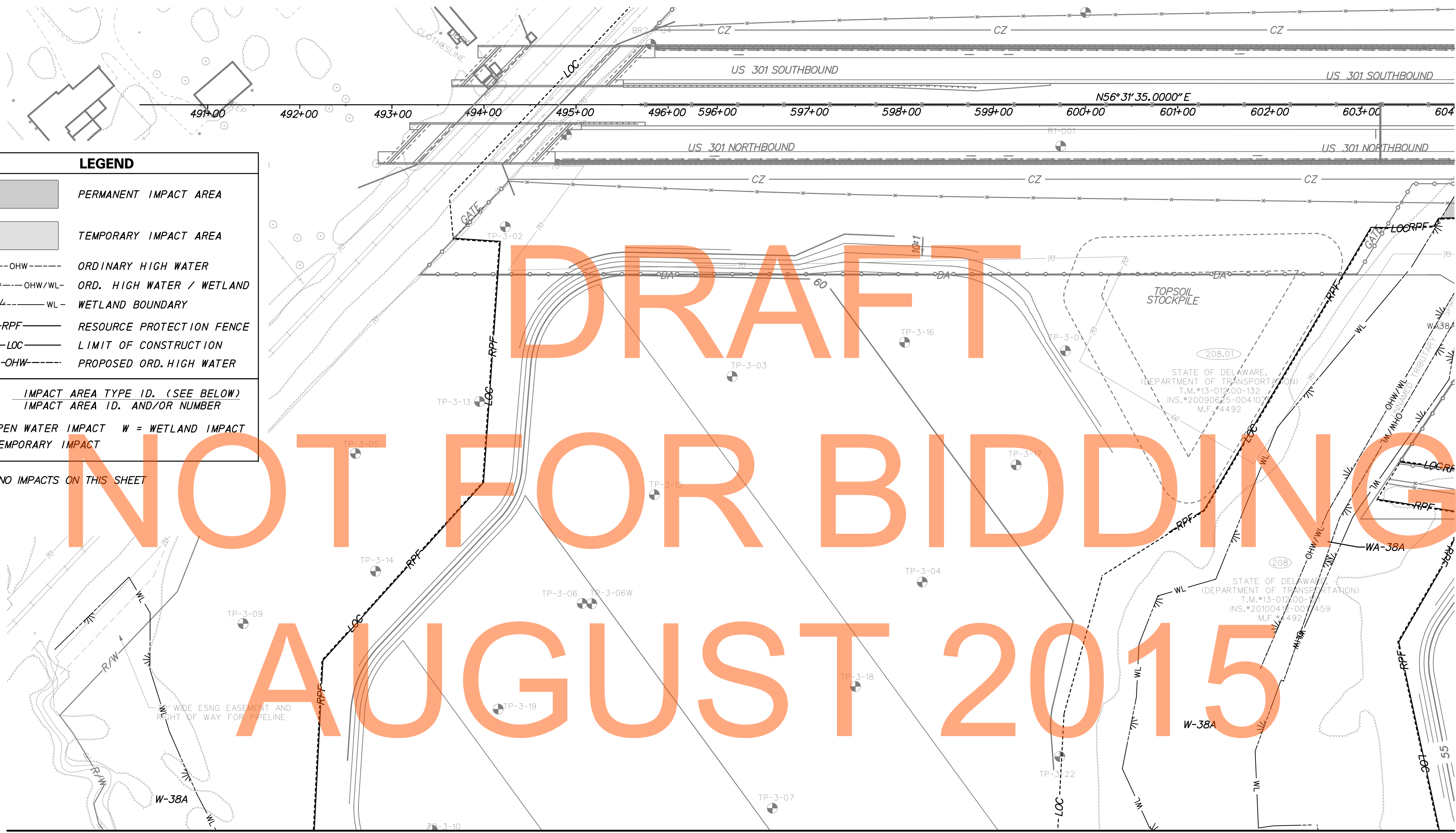
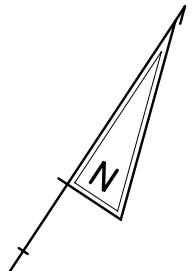
**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

**ENVIRONMENTAL  
COMPLIANCE PLAN**

EC-08
SHEET NO. 174
TOTAL SHTS. 240





**LEGEND**

	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	RESOURCE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT

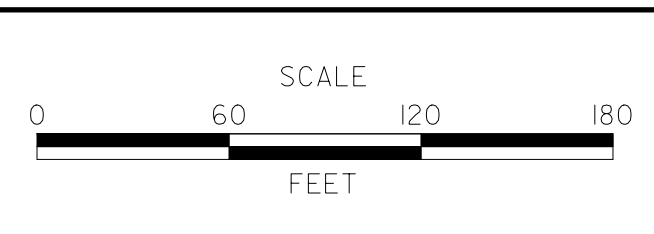
NOTE: NO IMPACTS ON THIS SHEET

MATCH LINE A - EC-10

SDATES \$FILES



ADDENDUMS / REVISIONS	

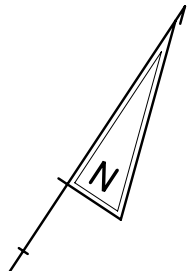


**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

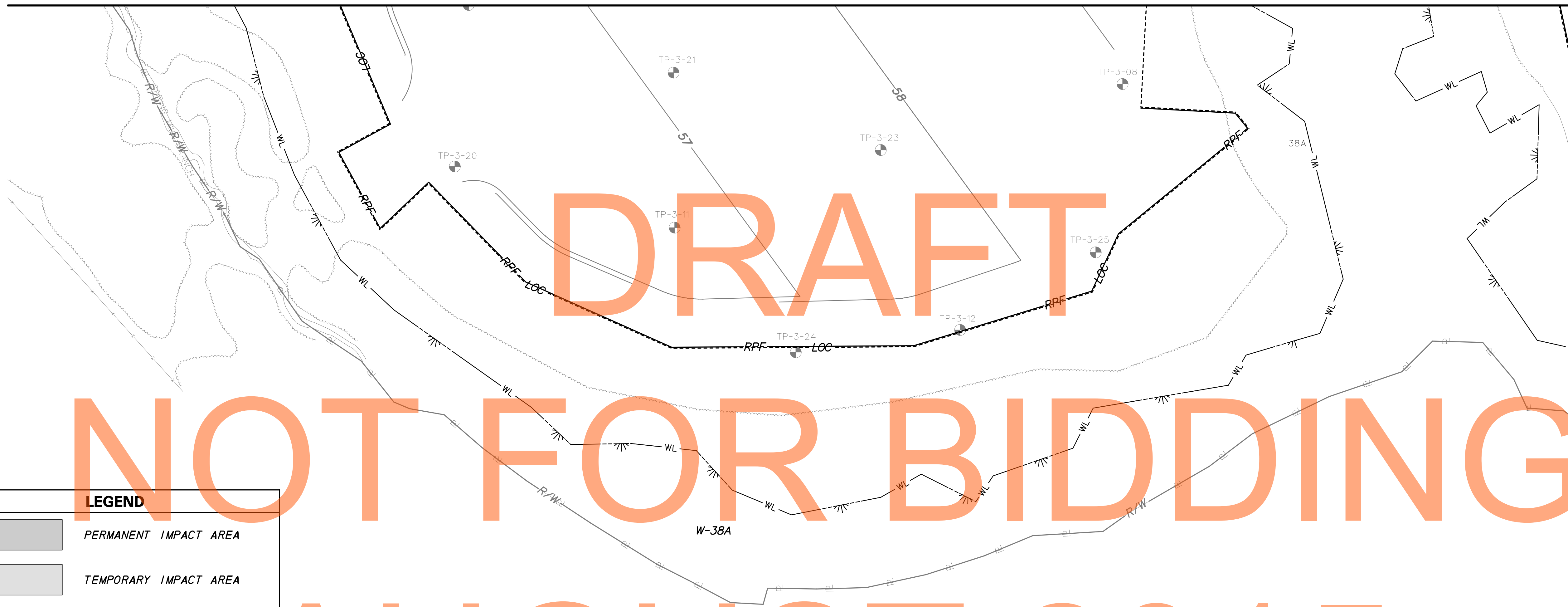
**ENVIRONMENTAL  
COMPLIANCE PLAN**

EC-09
SHEET NO. 175
TOTAL SHTS. 240



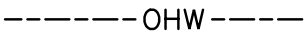
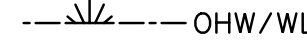
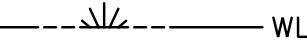






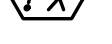
MATCH LINE A - EC-09

MATCH LINE B - EC-12



**LEGEND**

-  PERMANENT IMPACT AREA
-  TEMPORARY IMPACT AREA
-  OHW ORDINARY HIGH WATER
-  OHW/WL ORD. HIGH WATER / WETLAND
-  WL WETLAND BOUNDARY
-  RPF RESOURCE PROTECTION FENCE
-  LOC LIMIT OF CONSTRUCTION
-  OHW PROPOSED ORD. HIGH WATER

 IMPACT AREA TYPE ID. (SEE BELOW)  
 IMPACT AREA ID. AND/OR NUMBER

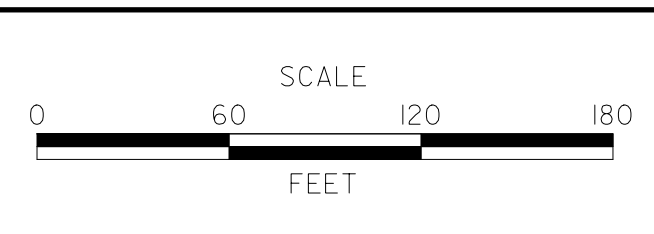
O = OPEN WATER IMPACT    W = WETLAND IMPACT  
 T = TEMPORARY IMPACT

NOTE: NO IMPACTS ON THIS SHEET

\$DATES \$FILES



ADDENDUMS / REVISIONS	

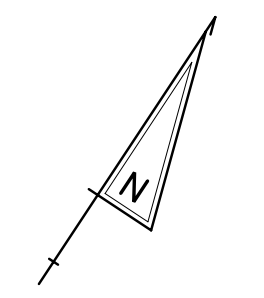


**US 301,  
 NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

**ENVIRONMENTAL  
 COMPLIANCE PLAN**

EC-10
SHEET NO. 176
TOTAL SHTS. 240



DRAFT  
NOT FOR BIDDING  
AUGUST 2015

LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	RESOURCE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O = OPEN WATER IMPACT W = WETLAND IMPACT	
T = TEMPORARY IMPACT	

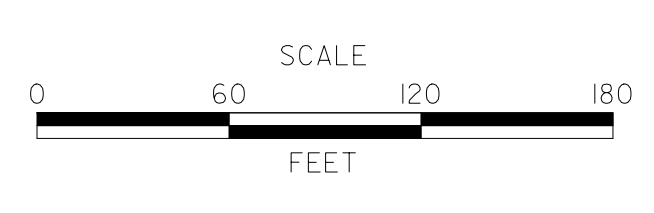
IMPACTS SHOWN HAVE BEEN CALCULATED ON EC-04 AND EC-05.

MATCH LINE A - EC-12

\$DATES \$FILES



ADDENDUMS / REVISIONS	



**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

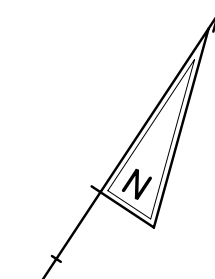
**ENVIRONMENTAL  
COMPLIANCE PLANS**

<b>EC-11</b>
SHEET NO. 177
TOTAL SHTS. 240

MATCH LINE A - EC-11

MATCH LINE B - EC-10

STATE OF DELAWARE,  
(DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-121  
INS.#20100412-0017459  
M.F.#4492



DRAFT  
NOT FOR BIDDING  
AUGUST 2015

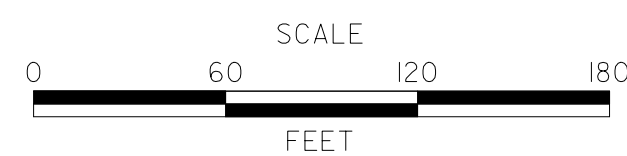
LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	RESOURCE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O	= OPEN WATER IMPACT
W	= WETLAND IMPACT
T	= TEMPORARY IMPACT

NOTE: NO IMPACTS ON THIS SHEET

\$DATES  
\$FILES



ADDENDUMS / REVISIONS

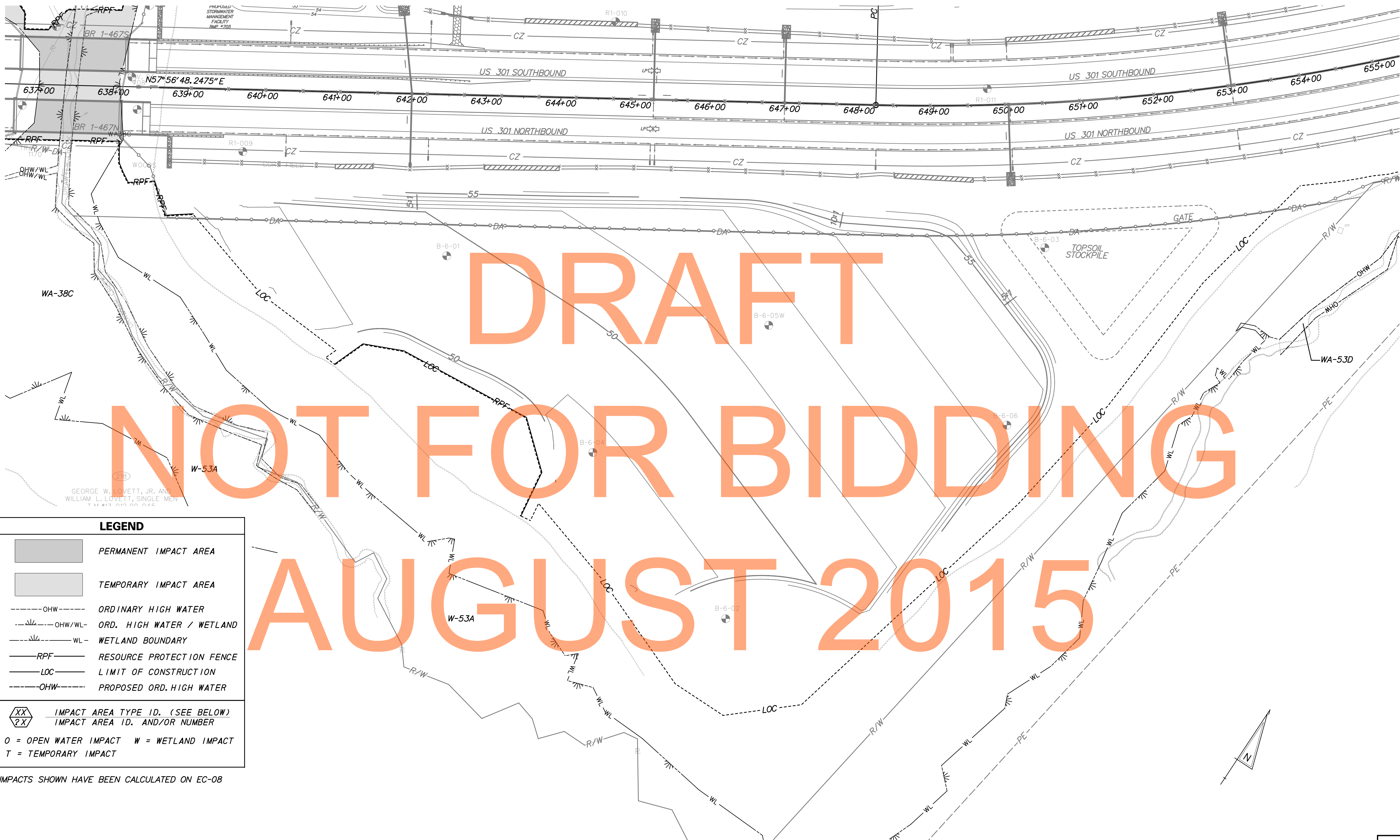


US 301,  
NORFOLK SOUTHERN RR TO SR 896

CONTRACT	BRIDGE NO.
T200911301	
COUNTY	DESIGNED BY:
NEW CASTLE	REL
	CHECKED BY:
	LMM

ENVIRONMENTAL  
COMPLIANCE PLAN

EC-12
SHEET NO.
178
TOTAL SHTS.
240



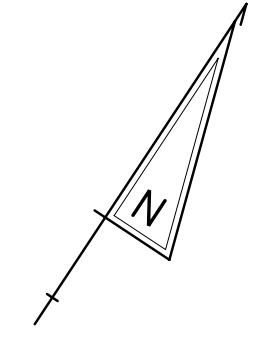
DRAFT  
NOT FOR BIDDING  
AUGUST 2015

GEORGE W. LOVETT, JR. AND  
WILLIAM L. LOVETT, SINGLE MEN  
T.M.#13 013 00 045

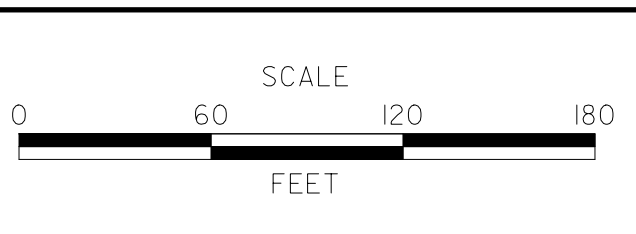
LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	RESOURCE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O = OPEN WATER IMPACT    W = WETLAND IMPACT	
T = TEMPORARY IMPACT	

IMPACTS SHOWN HAVE BEEN CALCULATED ON EC-08

\$DATES \$FILES



ADDENDUMS / REVISIONS



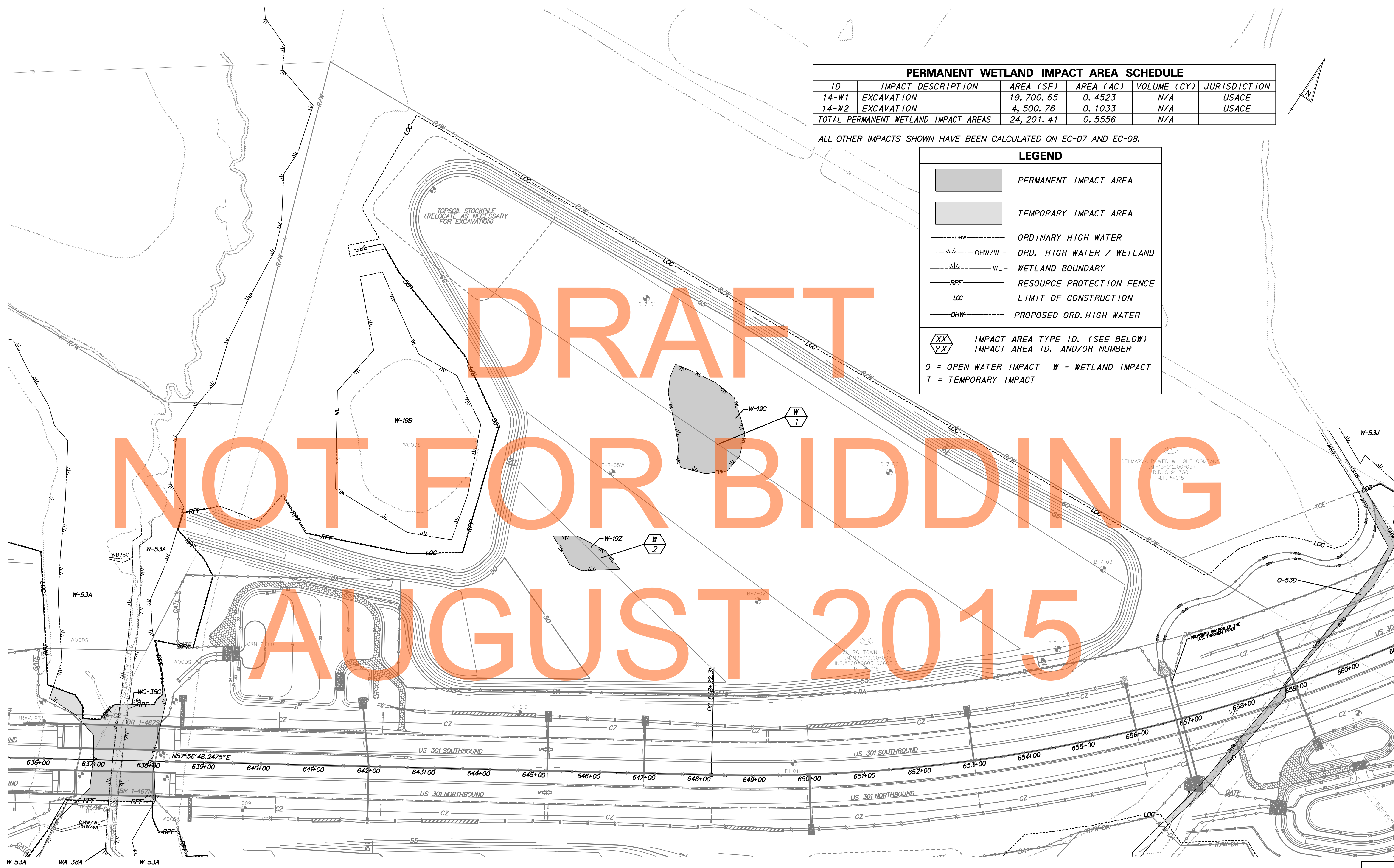
CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
14-W1	EXCAVATION	19,700.65	0.4523	N/A	USACE
14-W2	EXCAVATION	4,500.76	0.1033	N/A	USACE
TOTAL PERMANENT WETLAND IMPACT AREAS		24,201.41	0.5556	N/A	

ALL OTHER IMPACTS SHOWN HAVE BEEN CALCULATED ON EC-07 AND EC-08.

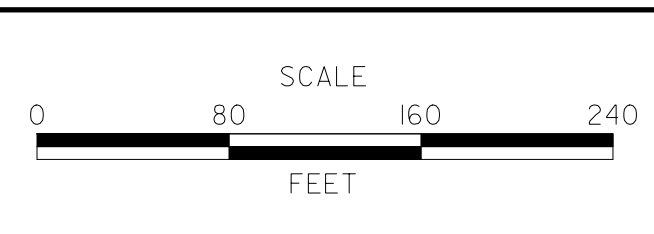
LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	RESOURCE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O = OPEN WATER IMPACT W = WETLAND IMPACT	
T = TEMPORARY IMPACT	

DRAFT  
NOT FOR BIDDING  
AUGUST 2015



\$FILES \$DATES

ADDENDUMS / REVISIONS



CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM

LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	RESOURCE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	PROPOSED ORD. HIGH WATER
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O = OPEN WATER IMPACT W = WETLAND IMPACT	
T = TEMPORARY IMPACT	

IMPACTS SHOWN HAVE BEEN CALCULATED ON EC-07

**DRAFT**

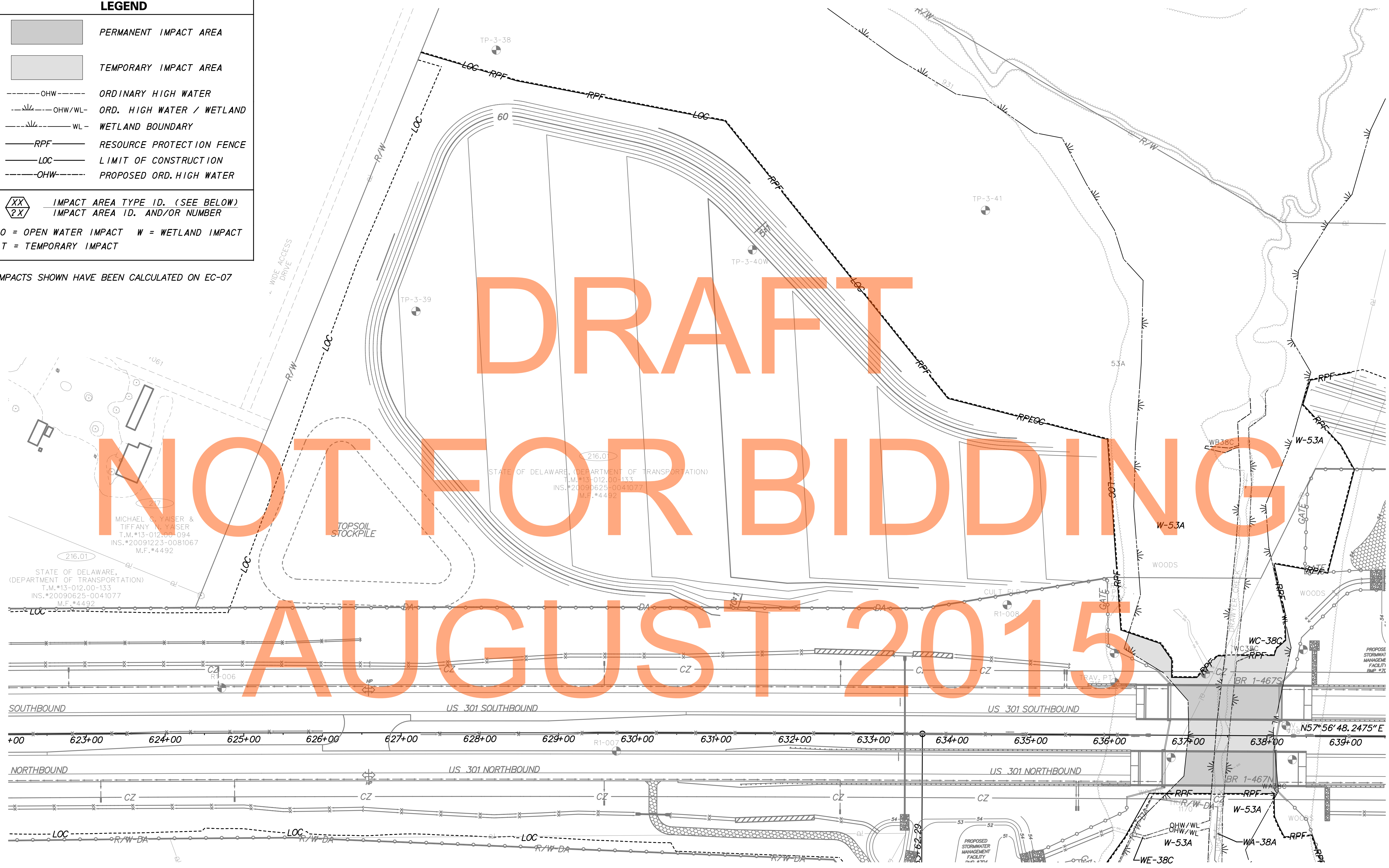
**NOT FOR BIDDING**

**AUGUST 2015**

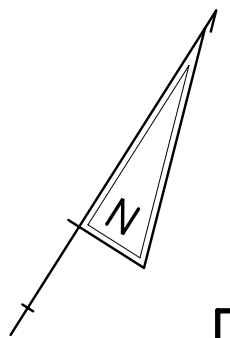
STATE OF DELAWARE, (DEPARTMENT OF TRANSPORTATION)  
 T.M.#13-012.00-133  
 INS.#20090625-0041077  
 M.F.#4492

MICHAEL C. YAISER &  
 TIFFANY N. YAISER  
 T.M.#13-012.00-094  
 INS.#20091223-0081067  
 M.F.#4492

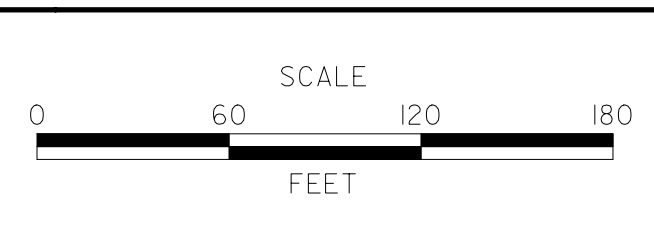
STATE OF DELAWARE,  
 (DEPARTMENT OF TRANSPORTATION)  
 T.M.#13-012.00-133  
 INS.#20090625-0041077  
 M.F.#4492



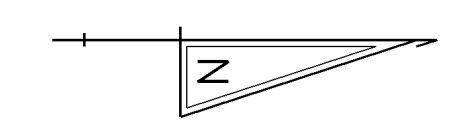
\$FILES \$DATES



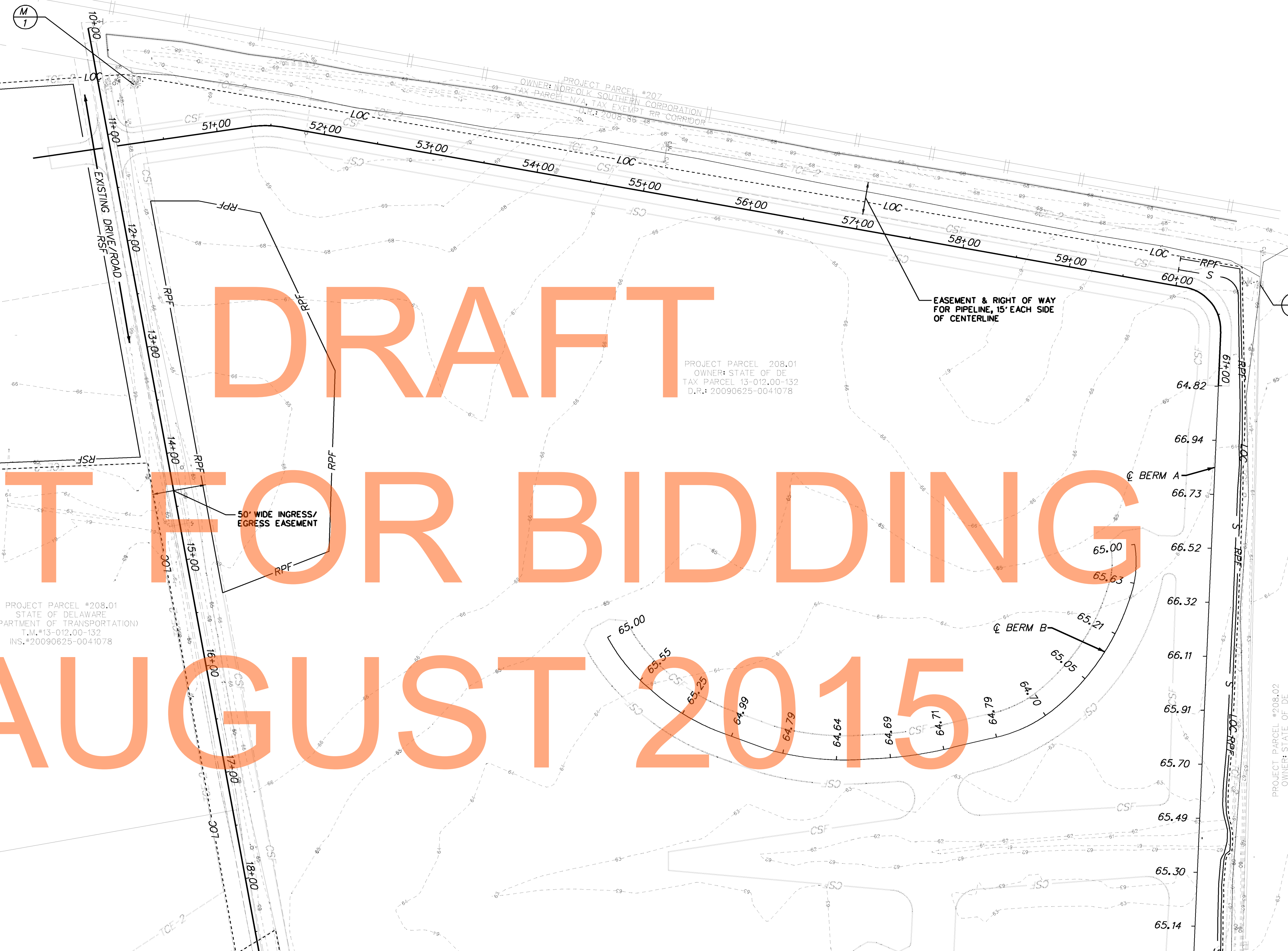
ADDENDUMS / REVISIONS



CONTRACT T200911301	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: REL
	CHECKED BY: LMM



DRAFT  
NOT FOR BIDDING  
AUGUST 2015



PROJECT PARCEL #208.01  
STATE OF DELAWARE  
(DEPARTMENT OF TRANSPORTATION)  
T.M.#13-012.00-132  
INS.#20090625-0041078

PROJECT PARCEL 208.01  
OWNER: STATE OF DE  
TAX PARCEL 13-012.00-132  
D.P.# 20090625-0041078

PROJECT PARCEL #208.02  
OWNER: STATE OF DE  
TAX PARCEL #13-012.00-049  
D.P.# 20090625-0041079

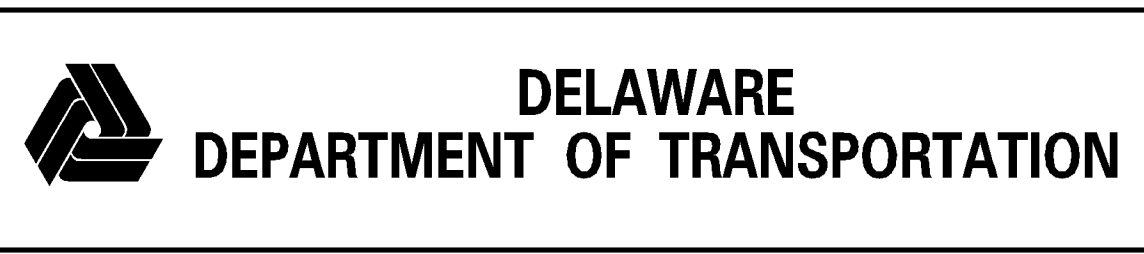
LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	OHW - ORDINARY HIGH WATER
	OHW/WL - ORD. HIGH WATER / WETLAND
	WL - WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT
	LOC - LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE

NOTE: NO IMPACTS ON THIS SHEET

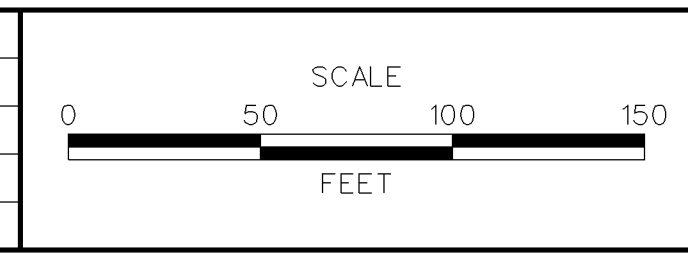
MATCH LINE - EC-17

EC-16

3/6/2012 9:34:11 AM  
\\kkm\2008\2008\08013\_de301\CADD\2911301\Plans\ec16\_pleas.dgn



ADDENDUMS / REVISIONS



US 301,  
NORFOLK SOUTHERN RR TO SR 896

CONTRACT T200911301	BRIDGE NO. X
COUNTY NEW CASTLE	DESIGNED BY: WMM CHECKED BY: JTR

Prepared by: <b>RUMMEL, KLEPPER &amp; KAHL, LLP</b>		SHEET NO. 182
PLEASANTON ENVIRONMENTAL COMPLIANCE PLAN		TOTAL SHTS. 240



DRAFT  
NOT FOR BIDDING  
AUGUST 2015

PROJECT PARCEL #215  
OWNER: STATE OF DE  
(DEPARTMENT OF TRANSPORTATION)  
TAX PARCEL 13-012.00-063  
D.R.: 20090625-0041079

AREA NOT INCLUDED IN CONSERVATION EASEMENT

PROJECT PARCEL #208.01  
OWNER: STATE OF DE  
(DEPARTMENT OF TRANSPORTATION)  
TAX PARCEL 13-012.00-181  
D.R.: 20090625-0041078

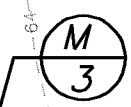
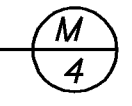
PROJECT PARCEL #208.02  
OWNER: STATE OF DE  
(DEPARTMENT OF TRANSPORTATION)  
TAX PARCEL 13-012.00-049  
D.R.: 20090625-0041079

PROJECT PARCEL #217  
OWNER: OAKRIDGE HOLDINGS OF DELAWARE, LLC  
TAX PARCEL 13-012.00-094  
D.R.: 20050314-0024078

**LEGEND**

	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT
LOC	LIMIT OF CONSTRUCTION
RPF	RESOURCE PROTECTION FENCE

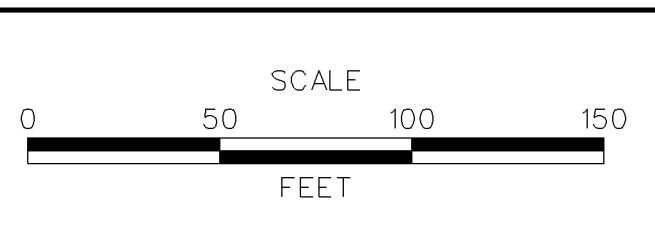
NOTE: NO IMPACTS ON THIS SHEET



3/5/2012 10:24:07 AM \\N\kkm\2008\2008\08013\_de301\CADD\2911301\Plans\ec17\_p1eas.dgn



ADDENDUMS / REVISIONS



**US 301,  
NORFOLK SOUTHERN RR TO SR 896**

CONTRACT	BRIDGE NO.	<b>X</b>
T200911301	DESIGNED BY: WMM	
COUNTY	CHECKED BY: JTR	
NEW CASTLE		

Prepared by:  
**RUMMEL, KLEPPER & KAHL, LLP**

**PLEASANTON ENVIRONMENTAL COMPLIANCE PLAN**

SHEET NO.	183
TOTAL SHTS.	240