

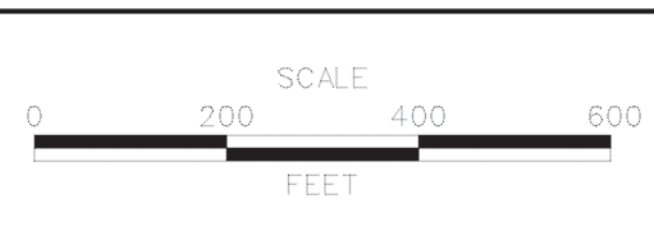
DRAFT
NOT FOR BIDDING
AUGUST 2015

PLAN SHEET INDEX CROSS REFERENCE								
BORROW SITE GRADING PLAN SHEET NO.	805	806	807	808	809	810	811	812
ENVIRONMENTAL COMPLIANCE SHEET NO.	833/ EC-7	834/ EC-8	835/ EC-9	N/A	N/A	N/A	836/ EC-10	837/ EC-11

7/24/2012 11:56:26 AM \\RRK\2008\2008\08013_DE301\CADD\2911303_PLANS\EC01_301DS2_000_RKK.DGN



ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: MRS
	CHECKED BY: JTR

ENVIRONMENTAL
COMPLIANCE PLAN
SHEET INDEX

EC-1
SHEET NO. 827
TOTAL SHTS. 1256

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.

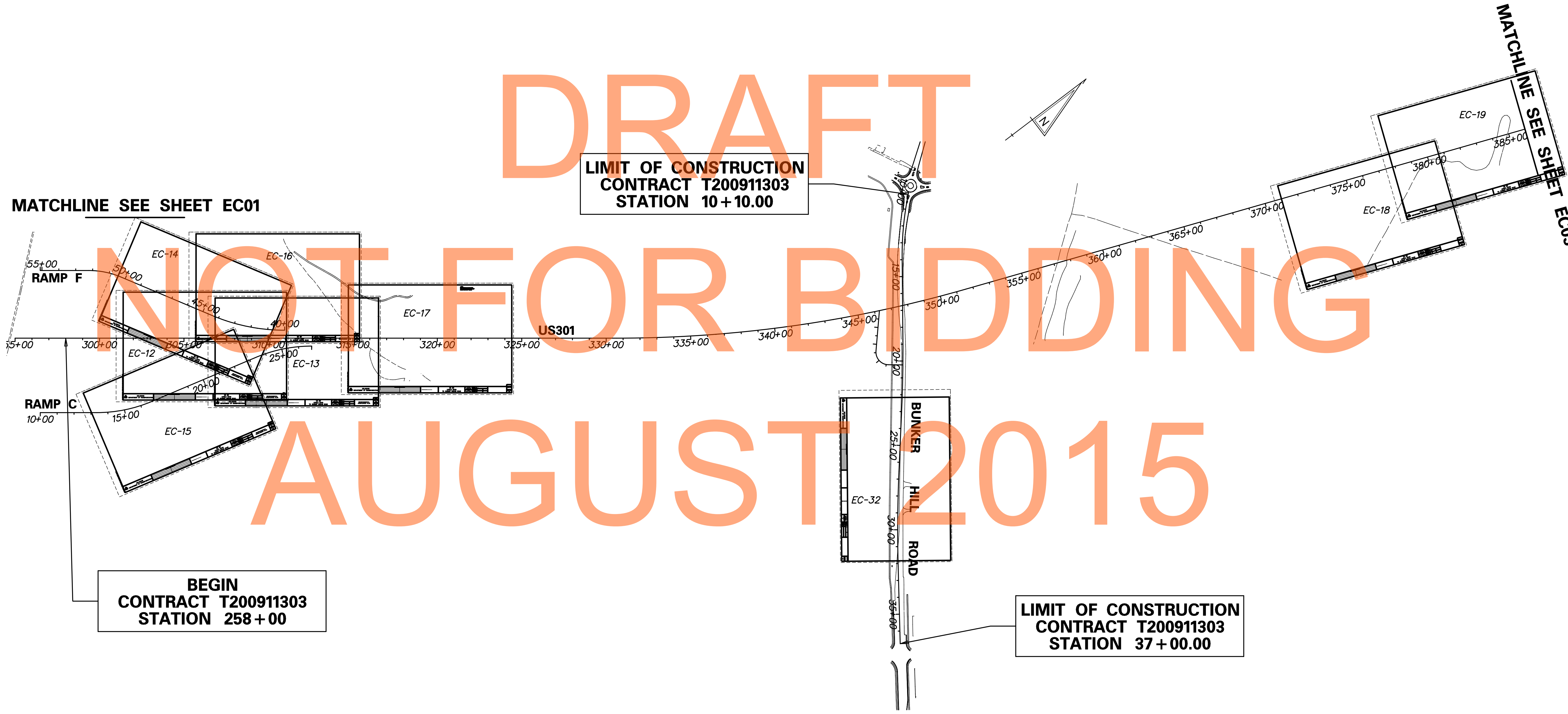
PRELIMINARY JURISDICTIONAL DETERMINATION AUGUST 18, 2009. WETLAND IDENTIFIERS (ALPHANUMERIC LABELS) CORRESPOND TO THE US 301 WETLAND DELINEATION REPORT AND ARE CONSISTENT WITH THE JURISDICTIONAL DETERMINATION.

SHEETS PREPARED BY: AECOM
DATE: APRIL 16, 2010

SHEETS LAST UPDATED: NOVEMBER 14, 2012

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

PLAN SHEET INDEX CROSS REFERENCE										
CONSTRUCTION PLAN	69	70	72	74	75	76	88	89	90	131
ENVIRONMENTAL COMPLIANCE	838/ EC-12	839/ EC-13	840/ EC-14	841/ EC-15	842/ EC-16	843/ EC-17	844/ EC-18	845/ EC-19	858/ EC-32	



**LIMIT OF CONSTRUCTION
CONTRACT T200911303
STATION 10 + 10.00**

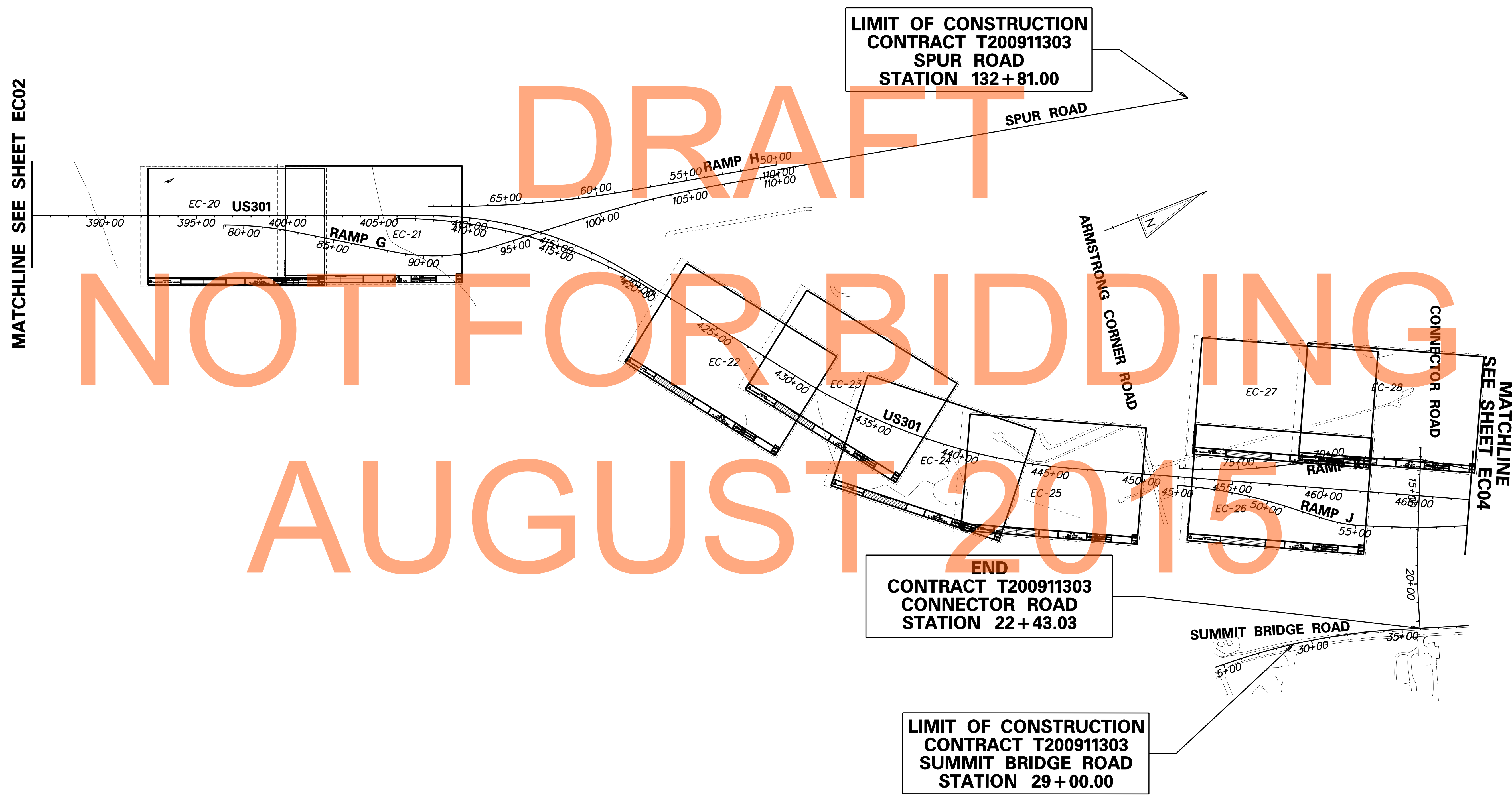
**BEGIN
CONTRACT T200911303
STATION 258 + 00**

**LIMIT OF CONSTRUCTION
CONTRACT T200911303
STATION 37 + 00.00**

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	ADDENDUMS / REVISIONS		SCALE 0 300 600 900 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	ENVIRONMENTAL COMPLIANCE PLAN SHEET INDEX	EC-02
					T200911303			DESIGNED BY: AW JW
					COUNTY	CHECKED BY: JF SF	TOTAL SHTS. 1256	
					NEW CASTLE			

PLAN SHEET INDEX CROSS REFERENCE									
CONSTRUCTION PLAN	93	95	104	106	108	110	112	113	116
ENVIRONMENTAL COMPLIANCE	846/ EC-20	847/ EC-21	848/ EC-22	849/ EC-23	850/ EC-24	851/ EC-25	852/ EC-26	853/ EC-27	854/ EC-28



DRAFT
NOT FOR BIDDING
AUGUST 2015

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 300 600 900 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T200911303	BRIDGE NO.	ENVIRONMENTAL COMPLIANCE PLAN SHEET INDEX	SHEET NO. 829
					COUNTY NEW CASTLE		DESIGNED BY: AW JW

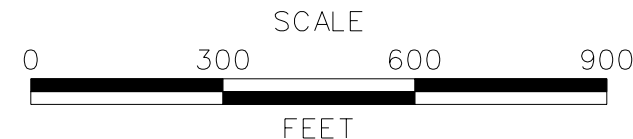
PLAN SHEET INDEX CROSS REFERENCE			
CONSTRUCTION PLAN	123	124	125
ENVIRONMENTAL COMPLIANCE	855/ EC-29	856/ EC-30	857/ EC-31



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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS






US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	AW JW
COUNTY	CHECKED BY:	JF SF
NEW CASTLE		

ENVIRONMENTAL
COMPLIANCE
PLAN SHEET INDEX

EC-04
SHEET NO.
830
TOTAL SHTS.
1256

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
- RPF— RESOURCE PROTECTION FENCE

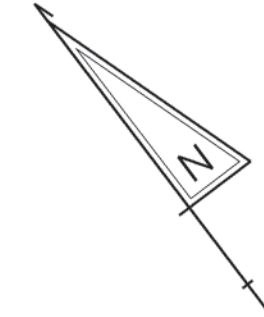
NOTE: NO IMPACTS ON THIS SHEET

142
 APPOQUINIMINK SCHOOL DISTRICT
 T.M.#23-048.00-035
 INS.#20050617-0058778

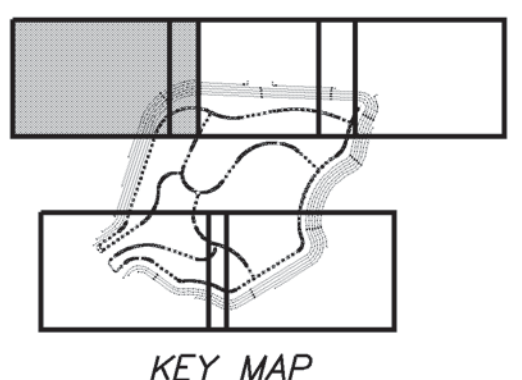
156
 PAUL F. AND CHRISTINE A. MULVENA, H/W
 T.M.#13-021.00-035
 D.R.1072-0241

137
 POOLE VENTURES, LLC
 T.M.#23-065.00-005
 INS.#20050331-0030404

DRAFT
 NOT FOR BIDDING
 AUGUST 2015



MATCHLINE - SEE SHEET EC-08



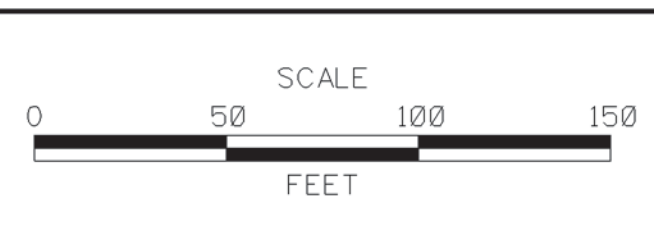
KEY MAP

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DELAWARE
 DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

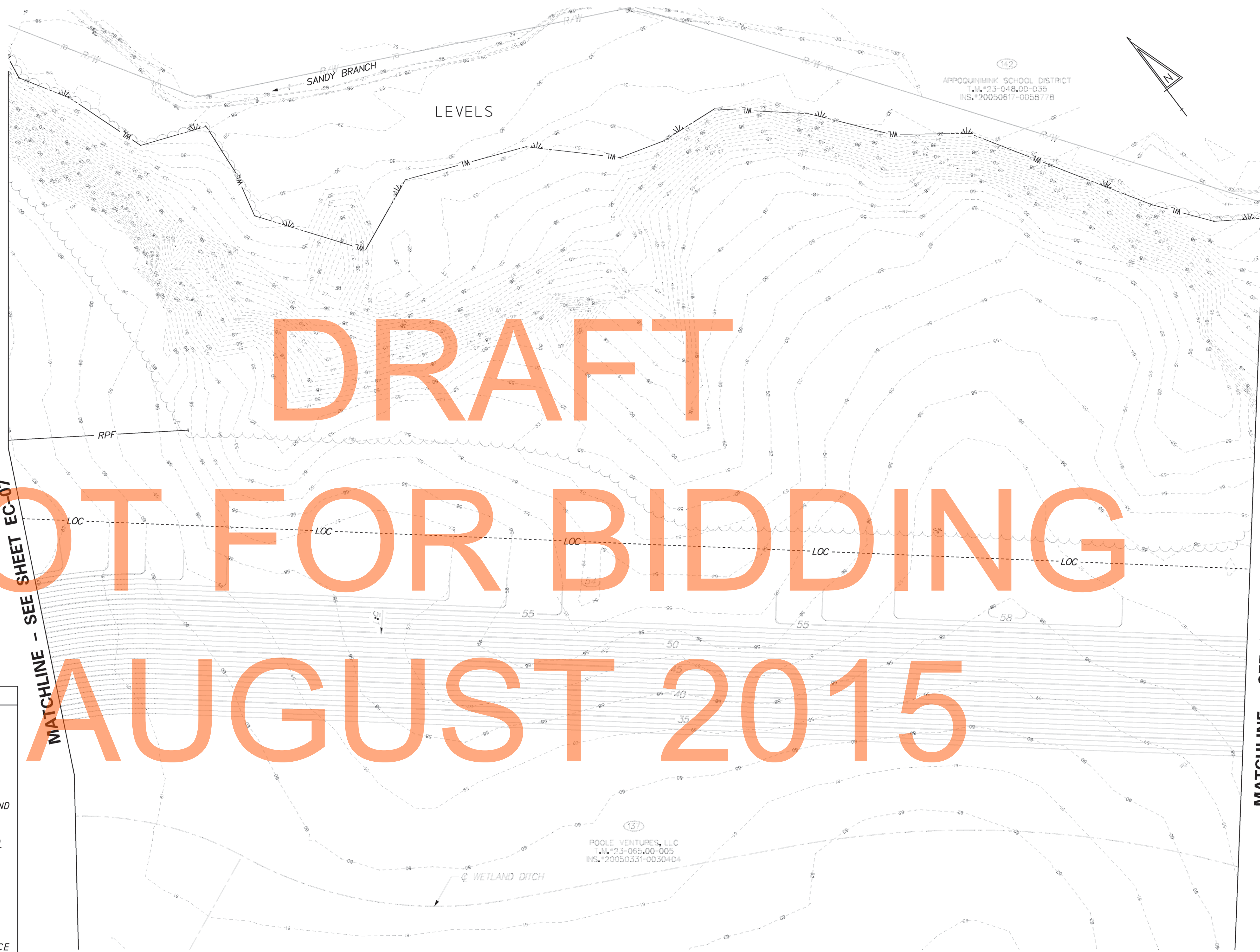


**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: MRS
	CHECKED BY: JTR

**ENVIRONMENTAL
 COMPLIANCE PLAN**

EC-7
SHEET NO. 833
TOTAL SHTS. 1256

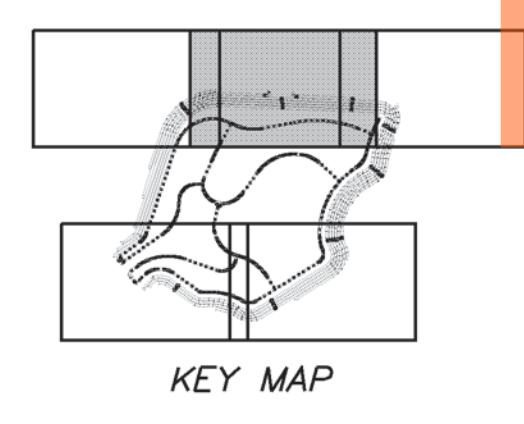


APPOQUIMINK SCHOOL DISTRICT
 T.M.#23-048.00-035
 INS.#20050617-0058778

DRAFT

NOT FOR BIDDING

AUGUST 2015



MATCHLINE - SEE SHEET EC-07

MATCHLINE - SEE SHEET EC-09

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
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE

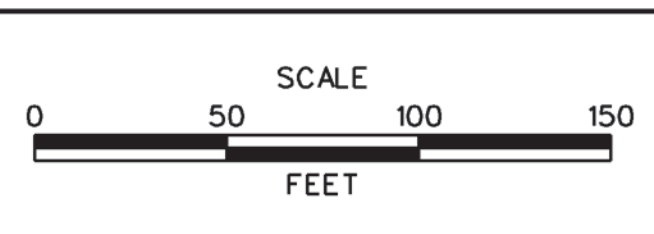
NOTE: NO IMPACTS ON THIS SHEET

POOLE VENTURES, LLC
 T.M.#23-065.00-005
 INS.#20050331-0030404

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ADDENDUMS / REVISIONS



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**




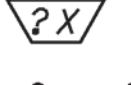
CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: MRS
	CHECKED BY: JTR

**ENVIRONMENTAL
 COMPLIANCE PLAN**

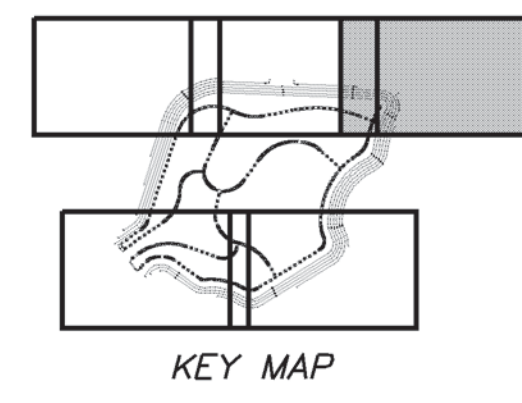
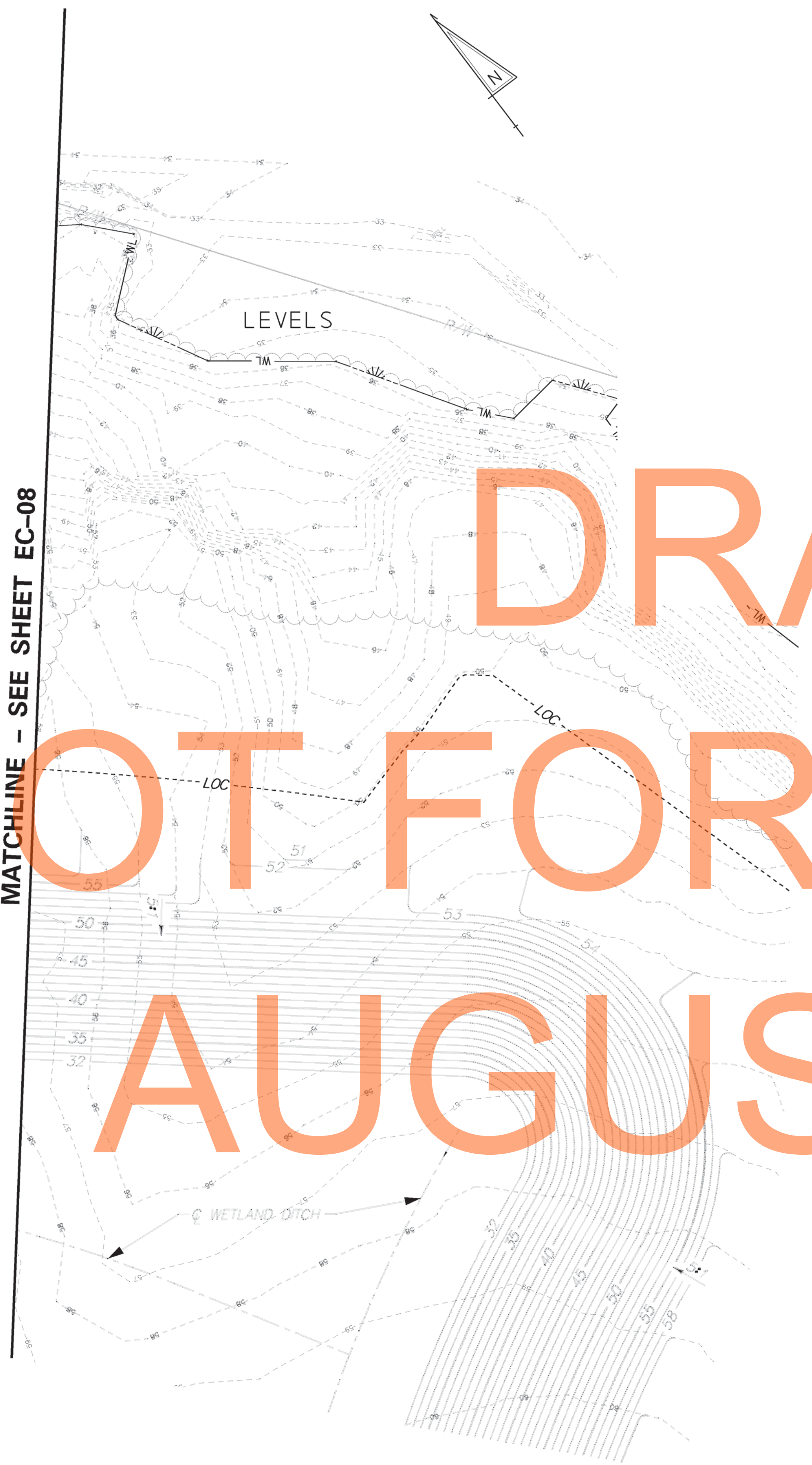
EC-8
SHEET NO. 834
TOTAL SHTS. 1256

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NOT FOR BIDDING
AUGUST 2015

MATCHLINE - SEE SHEET EC-08

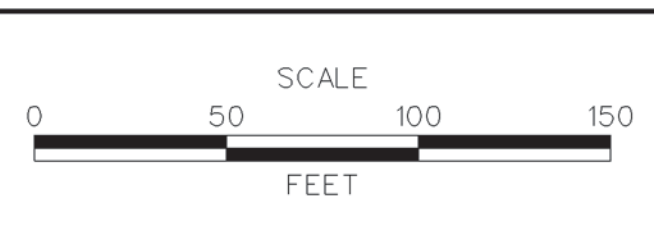
LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
-----OHW-----	ORDINARY HIGH WATER
---\ /---OHW/WL---	ORD. HIGH WATER / WETLAND
---\ /---WL---	WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O =	OPEN WATER IMPACT
W =	WETLAND IMPACT
T =	TEMPORARY IMPACT
-----LOC-----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

NOTE: NO IMPACTS ON THIS SHEET



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ADDENDUMS / REVISIONS

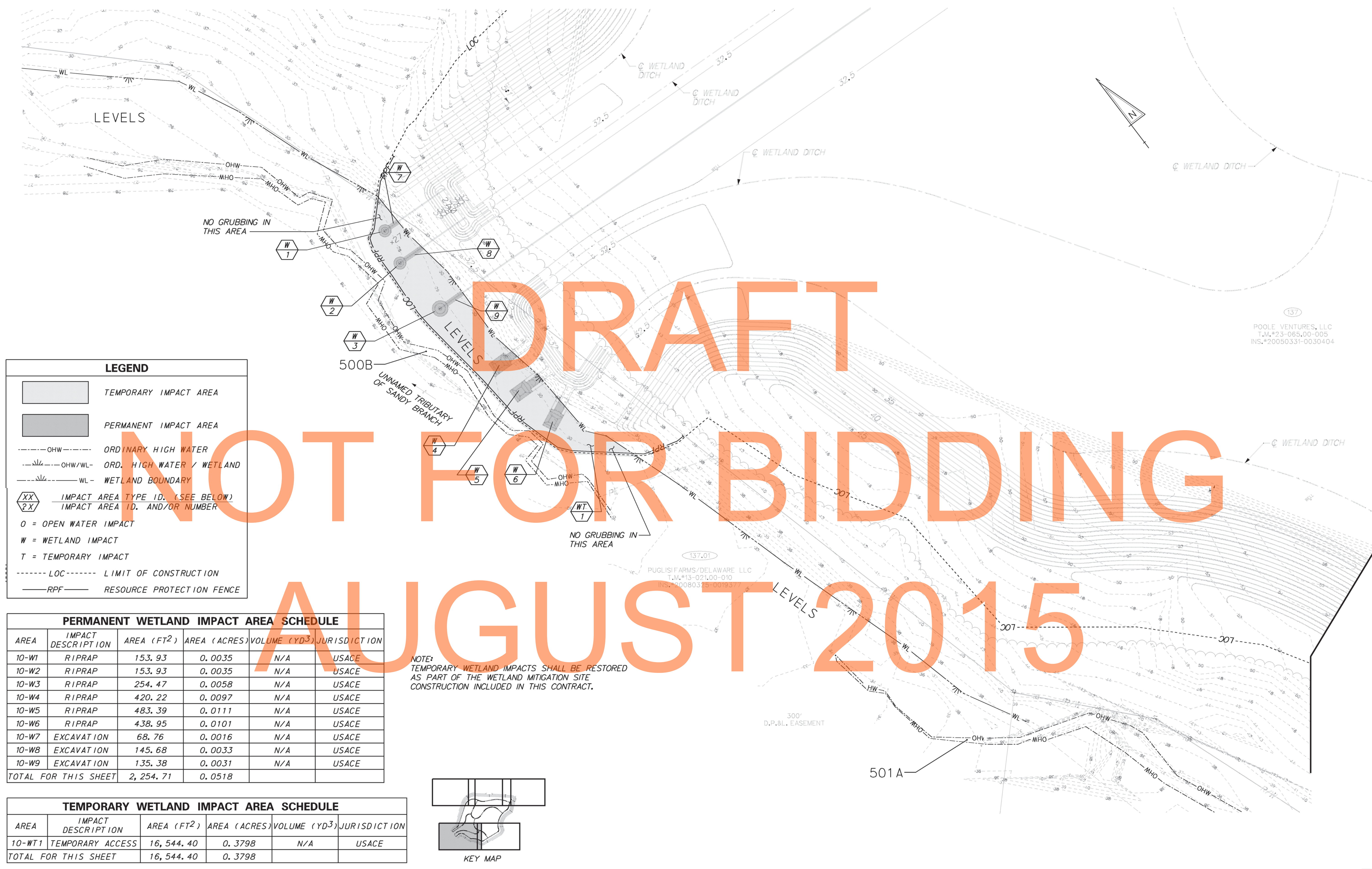


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: MRS
	CHECKED BY: JTR

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-9
SHEET NO. 835
TOTAL SHTS. 1256



137
 POOLE VENTURES, LLC
 T.M.#23-065.00-005
 INS.#20050331-0030404

137.01
 PUGLISI FARMS/DELAWARE LLC
 T.M.#13-021.00-010
 INS.#20080325-0019377

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

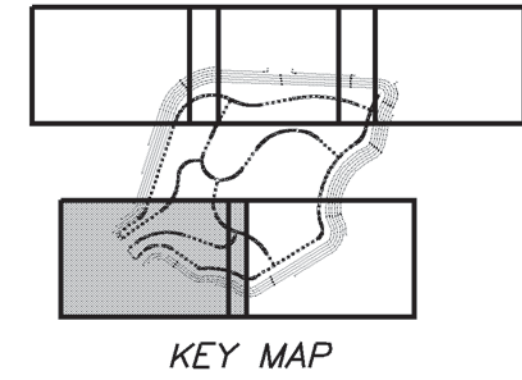
PERMANENT WETLAND IMPACT AREA SCHEDULE

AREA	IMPACT DESCRIPTION	AREA (FT ²)	AREA (ACRES)	VOLUME (YD ³)	JURISDICTION
10-W1	RIPRAP	153.93	0.0035	N/A	USACE
10-W2	RIPRAP	153.93	0.0035	N/A	USACE
10-W3	RIPRAP	254.47	0.0058	N/A	USACE
10-W4	RIPRAP	420.22	0.0097	N/A	USACE
10-W5	RIPRAP	483.39	0.0111	N/A	USACE
10-W6	RIPRAP	438.95	0.0101	N/A	USACE
10-W7	EXCAVATION	68.76	0.0016	N/A	USACE
10-W8	EXCAVATION	145.68	0.0033	N/A	USACE
10-W9	EXCAVATION	135.38	0.0031	N/A	USACE
TOTAL FOR THIS SHEET		2,254.71	0.0518		

NOTE:
 TEMPORARY WETLAND IMPACTS SHALL BE RESTORED AS PART OF THE WETLAND MITIGATION SITE CONSTRUCTION INCLUDED IN THIS CONTRACT.

TEMPORARY WETLAND IMPACT AREA SCHEDULE

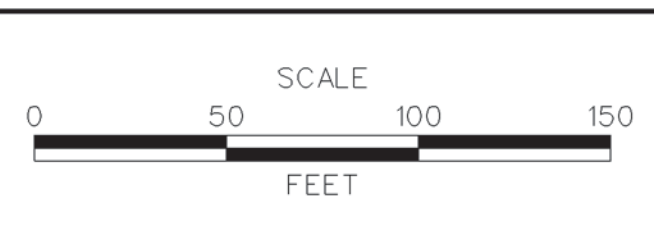
AREA	IMPACT DESCRIPTION	AREA (FT ²)	AREA (ACRES)	VOLUME (YD ³)	JURISDICTION
10-WT1	TEMPORARY ACCESS	16,544.40	0.3798	N/A	USACE
TOTAL FOR THIS SHEET		16,544.40	0.3798		



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ADDENDUMS / REVISIONS



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: MRS
	CHECKED BY: JTR

**ENVIRONMENTAL
 COMPLIANCE PLAN**

EC-10
SHEET NO. 836
TOTAL SHTS. 1256

MATCHLINE - SEE SHEET EC-10

DRAFT
NOT FOR BIDDING
AUGUST 2015

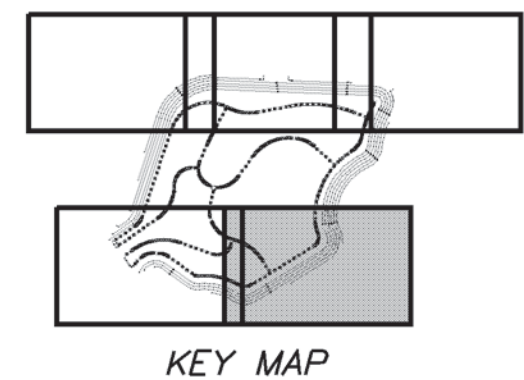
POOLE VENTURES, LLC
 T.M.#23-065.00-005
 INS.#20050331-0030404

POOLE VENTURES, LLC
 T.M.#23-065.00-005
 INS.#20050331-0030404

RICHARD P. MONEY
 T.M.#13-026.00-015
 W.R.101509

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
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE

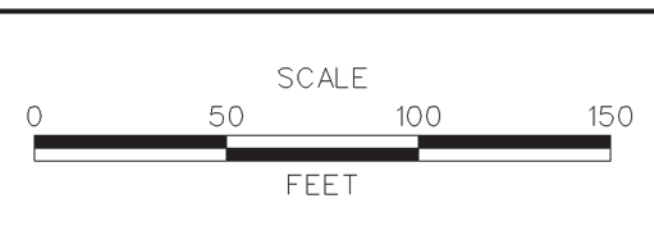
NOTE: NO IMPACTS ON THIS SHEET



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

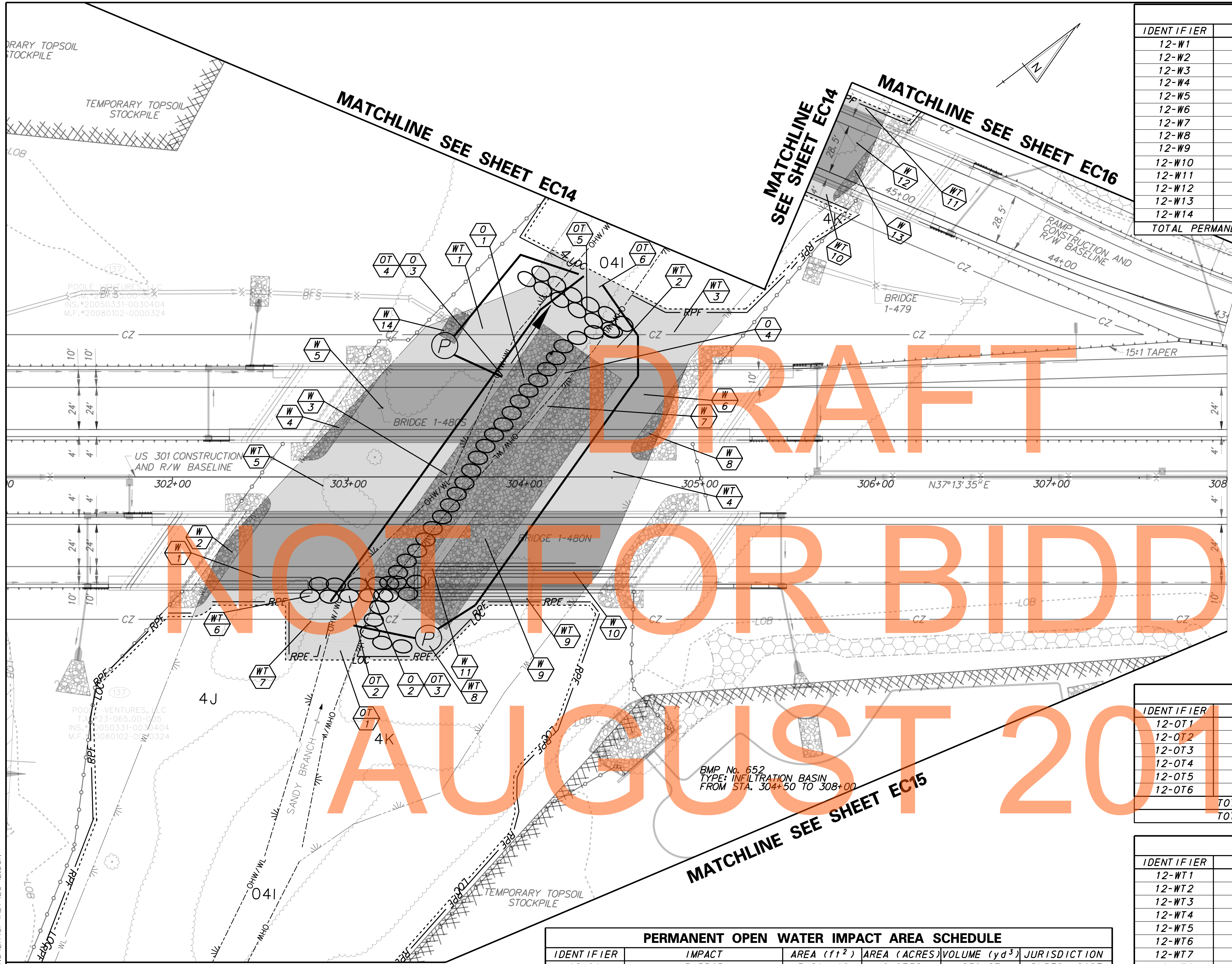


**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: MRS
	CHECKED BY: JTR

**ENVIRONMENTAL
 COMPLIANCE PLAN**

EC-11
SHEET NO. 837
TOTAL SHTS. 1256



PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
12-W1	SHADING	3,473.73	0.0797	N/A	USACE
12-W2	RIPRAP	508.63	0.0117	N/A	USACE
12-W3	RIPRAP	266.01	0.0061	N/A	USACE
12-W4	RIPRAP	274.63	0.0063	N/A	USACE
12-W5	SHADING	3,111.92	0.0714	N/A	USACE
12-W6	SHADING	1,520.93	0.0349	N/A	USACE
12-W7	FILL	199.08	0.0046	N/A	USACE
12-W8	RIPRAP	372.96	0.0086	N/A	USACE
12-W9	RIPRAP	5,292.23	0.1215	N/A	USACE
12-W10	SHADING	2,720.99	0.0625	N/A	USACE
12-W11	FILL	356.08	0.0082	N/A	USACE
12-W12	SHADING	1,012.12	0.0232	N/A	USACE
12-W13	RIPRAP	158.85	0.0036	N/A	USACE
12-W14	RIPRAP	163.17	0.0037	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		19,431.33	0.4461	N/A	USACE

LEGEND	
[Light Gray Box]	TEMPORARY IMPACT AREA
[Dark Gray Box]	PERMANENT IMPACT AREA
[Dashed Line]	ORDINARY HIGH WATER
[Dashed Line]	PROPOSED ORDINARY HIGH WATER
[Dashed Line]	ORD. HIGH WATER / WETLAND
[Dashed Line]	WETLAND BOUNDARY
[Hexagon with XX]	IMPACT AREA TYPE ID. (SEE BELOW)
[Hexagon with ?X]	IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT
[Dashed Line]	LIMIT OF CONSTRUCTION
[Line with RPF]	RESOURCE PROTECTION FENCE

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

NOTE: TEMPORARY WETLAND IMPACTS AT WT1, WT2, WT3, WT4, WT5, WT6, WT7, WT8, WT9, WT10, AND WT11 SHALL BE RESTORED. REFER TO EC NOTE NO.2F FOR ADDITIONAL DETAILS.

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
12-OT1	TEMPORARY ACCESS	185.18	0.0043	13.79	DNREC/USACE
12-OT2	E&S AREA	586.92	0.0135	43.69	DNREC/USACE
12-OT3	E&S AREA	286.62	0.0066	21.34	USACE
12-OT4	E&S AREA	119.54	0.0027	8.90	USACE
12-OT5	E&S AREA	1,353.66	0.0311	100.77	DNREC/USACE
12-OT6	TEMPORARY ACCESS	507.52	0.0117	37.78	DNREC/USACE
TOTAL DNREC		2,633.28	0.0605	196.03	-
TOTAL USACE		3,039.44	0.0698	226.27	-

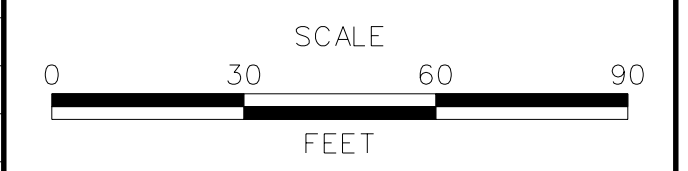
TEMPORARY WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
12-WT1	E&S AREA	2,192.38	0.0503	N/A	USACE
12-WT2	E&S AREA	577.05	0.0132	N/A	USACE
12-WT3	TEMPORARY ACCESS	1,398.42	0.0321	N/A	USACE
12-WT4	TEMPORARY ACCESS	1,846.05	0.0424	N/A	USACE
12-WT5	TEMPORARY ACCESS	3,213.05	0.0738	N/A	USACE
12-WT6	E&S AREA	181.42	0.0042	N/A	USACE
12-WT7	TEMPORARY ACCESS	1,286.84	0.0295	N/A	USACE
12-WT8	E&S AREA	1,489.64	0.0342	N/A	USACE
12-WT9	TEMPORARY ACCESS	722.77	0.0166	N/A	USACE
12-WT10	TEMPORARY ACCESS	158.12	0.0036	N/A	USACE
12-WT11	TEMPORARY ACCESS	140.86	0.0032	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACTS		13,206.60	0.3032	N/A	USACE

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
12-01	RIPRAP	3,214.10	0.0738	239.27	DNREC/USACE
12-02	SHADING	286.62	0.0066	N/A	DNREC
12-03	SHADING	119.54	0.0027	N/A	DNREC
12-04	FILL	156.80	0.0036	11.67	DNREC/USACE
TOTAL DNREC		3,777.06	0.0867	250.94	-
TOTAL USACE		3,370.90	0.0774	250.94	-

MATCHLINE SHEET EC15

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AW JW
NEW CASTLE	CHECKED BY: JF SF

ENVIRONMENTAL COMPLIANCE PLAN	EC-12
	SHEET NO. 838
	TOTAL SHTS. 1256

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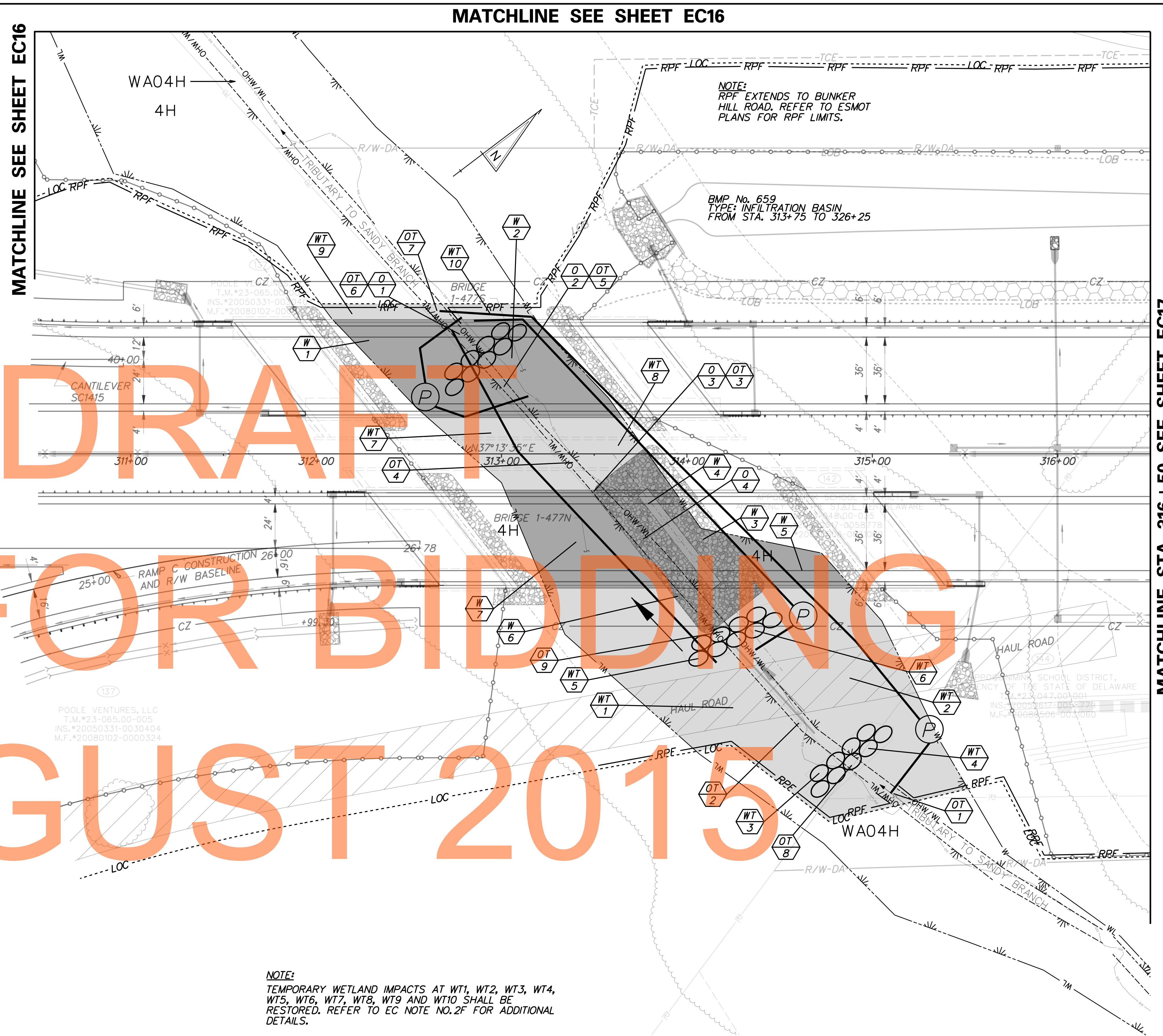
TEMPORARY WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
13-WT1	TEMPORARY ACCESS	7,331.29	0.1683	N/A	USACE
13-WT2	TEMPORARY ACCESS	6,486.71	0.1489	N/A	USACE
13-WT3	E&S AREA	373.30	0.0086	N/A	USACE
13-WT4	E&S AREA	370.47	0.0085	N/A	USACE
13-WT5	E&S AREA	337.98	0.0078	N/A	USACE
13-WT6	E&S AREA	389.73	0.0089	N/A	USACE
13-WT7	TEMPORARY ACCESS	1,923.30	0.0442	N/A	USACE
13-WT8	TEMPORARY ACCESS	1,171.10	0.0269	N/A	USACE
13-WT9	TEMPORARY ACCESS	484.13	0.0111	N/A	USACE
13-WT10	TEMPORARY ACCESS	383.18	0.0088	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACTS		19,251.19	0.4419	N/A	USACE

PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
13-W1	SHADING	2,974.54	0.0683	N/A	USACE
13-W2	SHADING	2,436.66	0.0559	N/A	USACE
13-W3	RIPRAP	2,417.06	0.0555	N/A	USACE
13-W4	FILL	419.25	0.0096	N/A	USACE
13-W5	SHADING	1,075.04	0.0247	N/A	USACE
13-W6	RIPRAP	250.46	0.0057	N/A	USACE
13-W7	SHADING	2,961.15	0.0680	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		12,534.16	0.2877	N/A	USACE

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
13-OT1	TEMPORARY ACCESS	212.49	0.0049	15.82	DNREC/USACE
13-OT2	TEMPORARY ACCESS	536.19	0.0123	39.92	DNREC/USACE
13-OT3	E&S AREA	3.08	0.0001	0.23	USACE
13-OT4	E&S AREA	198.81	0.0046	14.80	DNREC/USACE
13-OT5	E&S AREA	206.06	0.0047	15.34	USACE
13-OT6	TEMPORARY ACCESS	112.20	0.0026	8.35	USACE
13-OT7	TEMPORARY ACCESS	75.57	0.0017	5.63	DNREC/USACE
13-OT8	E&S AREA	103.83	0.0024	7.73	DNREC/USACE
13-OT9	E&S AREA	118.84	0.0027	8.85	DNREC/USACE
TOTAL DNREC		1,245.73	0.0286	92.75	-
TOTAL USACE		1,567.07	0.0360	116.67	-

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
13-O1	SHADING	112.20	0.0026	N/A	DNREC
13-O2	SHADING	206.06	0.0047	N/A	DNREC
13-O3	SHADING	3.08	0.0001	N/A	DNREC
13-O4	RIPRAP	755.46	0.0173	56.24	DNREC/USACE
TOTAL DNREC		1,076.80	0.0247	56.24	-
TOTAL USACE		755.46	0.0173	56.24	-

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	OHW - ORDINARY HIGH WATER
	POHW - PROPOSED 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
	RPF - RESOURCE PROTECTION FENCE



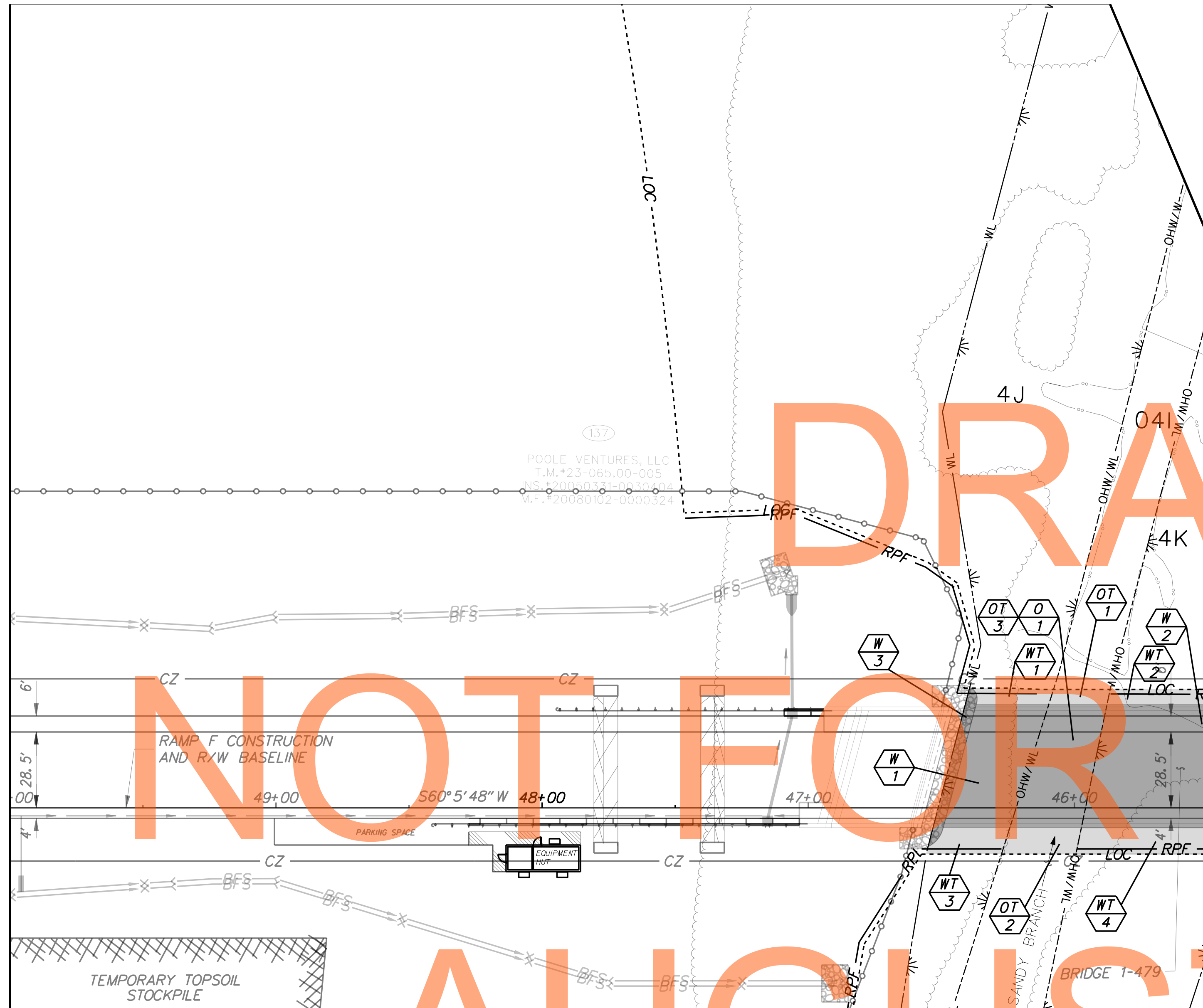
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AUGUST 2015

NOTE:
TEMPORARY WETLAND IMPACTS AT WT1, WT2, WT3, WT4, WT5, WT6, WT7, WT8, WT9 AND WT10 SHALL BE RESTORED. REFER TO EC NOTE NO.2F FOR ADDITIONAL DETAILS.

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

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MATCHLINE SEE SHEET EC12 AND EC16

MATCHLINE SEE SHEET EC12

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
14-OT1	TEMPORARY ACCESS	120.27	0.0028	8.95	DNREC/USACE
14-OT2	TEMPORARY ACCESS	274.07	0.0063	20.40	DNREC/USACE
14-OT3	TEMPORARY ACCESS	1,130.18	0.0259	84.14	USACE
TOTAL DNREC		394.34	0.0091	29.36	-
TOTAL USACE		1,524.52	0.0350	113.49	-

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
14-WT1	TEMPORARY ACCESS	164.05	0.0038	N/A	USACE
14-WT2	TEMPORARY ACCESS	206.72	0.0047	N/A	USACE
14-WT3	TEMPORARY ACCESS	266.03	0.0061	N/A	USACE
14-WT4	TEMPORARY ACCESS	484.20	0.0111	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACTS		1,121.00	0.0257	N/A	USACE

PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
14-W1	SHADING	1,214.43	0.0279	N/A	USACE
14-W2	SHADING	1,973.55	0.0453	N/A	USACE
14-W3	RIPRAP	221.94	0.0051	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		3,409.92	0.0783	N/A	USACE

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
14-O1	SHADING	1,130.18	0.0259	N/A	DNREC
TOTAL DNREC		1,130.18	0.0259	N/A	-

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AUGUST 2015

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED 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
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE

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

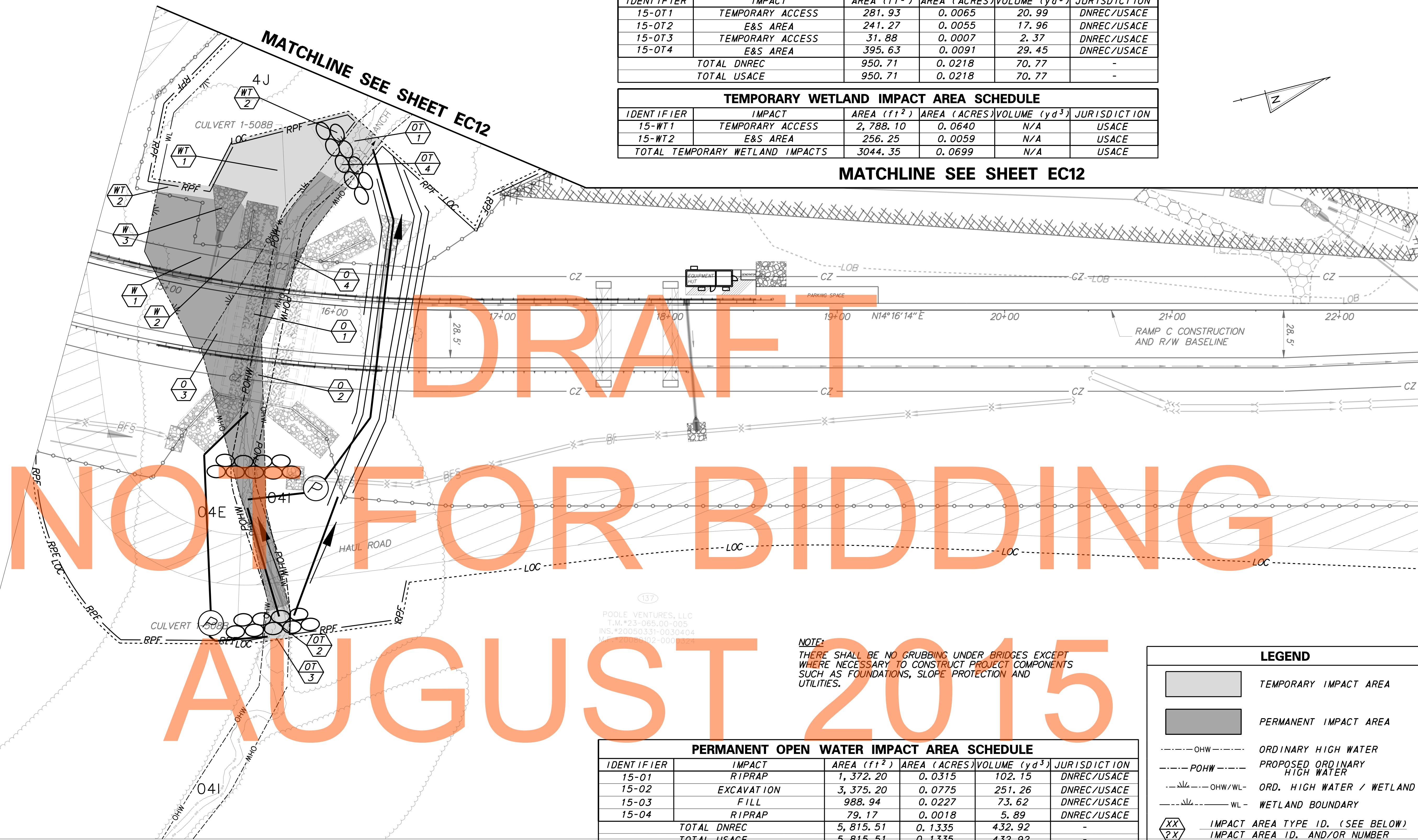
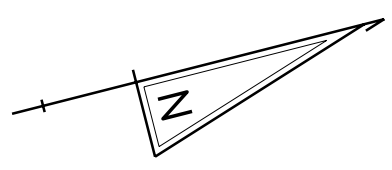
NOTE:
TEMPORARY WETLAND IMPACTS AT WT1, WT2, WT3, WT4, SHALL BE RESTORED. REFER TO EC NOTE NO.2F FOR ADDITIONAL DETAILS.

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	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T200911303 COUNTY NEW CASTLE	BRIDGE NO. DESIGNED BY: AW JW CHECKED BY: JF SF	ENVIRONMENTAL COMPLIANCE PLAN	EC-14 SHEET NO. 840 TOTAL SHTS. 1256
	DELAWARE DEPARTMENT OF TRANSPORTATION						

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
15-OT1	TEMPORARY ACCESS	281.93	0.0065	20.99	DNREC/USACE
15-OT2	E&S AREA	241.27	0.0055	17.96	DNREC/USACE
15-OT3	TEMPORARY ACCESS	31.88	0.0007	2.37	DNREC/USACE
15-OT4	E&S AREA	395.63	0.0091	29.45	DNREC/USACE
TOTAL DNREC		950.71	0.0218	70.77	-
TOTAL USACE		950.71	0.0218	70.77	-

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
15-WT1	TEMPORARY ACCESS	2,788.10	0.0640	N/A	USACE
15-WT2	E&S AREA	256.25	0.0059	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACTS		3044.35	0.0699	N/A	USACE



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AUGUST 2015

POOLE VENTURES, LLC
 T.M.*23-065,00-005
 INS.*20050331-0030404
 M.F.*20050102-0000333

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

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
15-01	RIPRAP	1,372.20	0.0315	102.15	DNREC/USACE
15-02	EXCAVATION	3,375.20	0.0775	251.26	DNREC/USACE
15-03	FILL	988.94	0.0227	73.62	DNREC/USACE
15-04	RIPRAP	79.17	0.0018	5.89	DNREC/USACE
TOTAL DNREC		5,815.51	0.1335	432.92	-
TOTAL USACE		5,815.51	0.1335	432.92	-

PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
15-W1	FILL	3,747.47	0.0860	N/A	USACE
15-W2	RIPRAP	512.20	0.0118	N/A	USACE
15-W3	RIPRAP	323.20	0.0074	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		4,582.87	0.1052	N/A	USACE

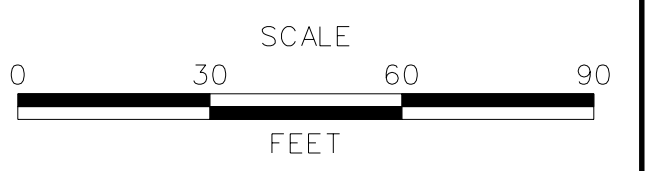
LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
-----OHW-----	ORDINARY HIGH WATER
-----POHW-----	PROPOSED ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WL - WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND IMPACT
T	TEMPORARY IMPACT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

NOTE:
 TEMPORARY WETLAND IMPACTS AT WT1, SHALL BE RESTORED. REFER TO EC NOTE NO.2F FOR ADDITIONAL DETAILS.

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ADDENDUMS / REVISIONS



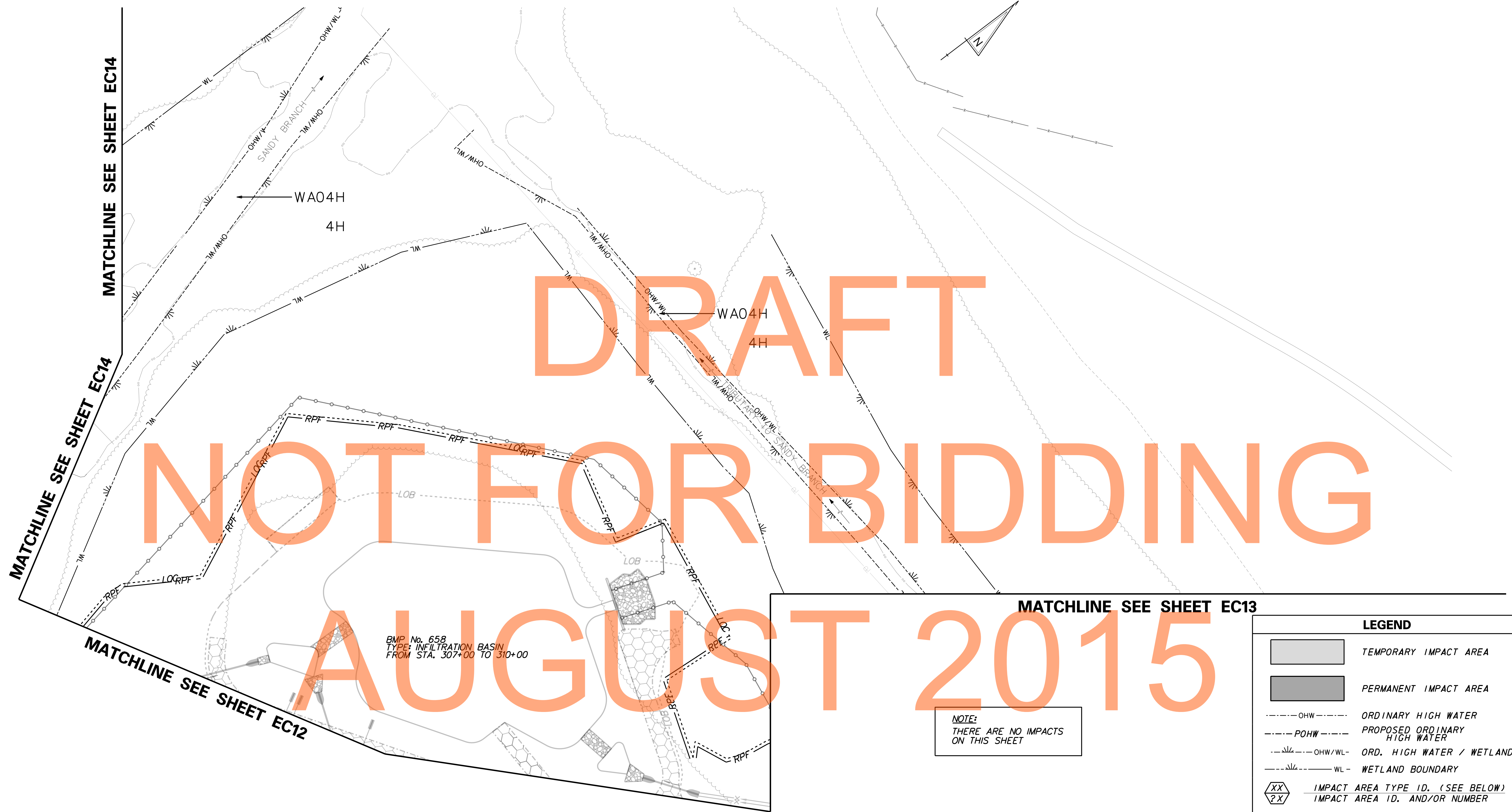
**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AW JW
NEW CASTLE	CHECKED BY: JF SF

**ENVIRONMENTAL
 COMPLIANCE PLAN**

EC-15
SHEET NO.
841
TOTAL SHTS.
1256

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AUGUST 2015



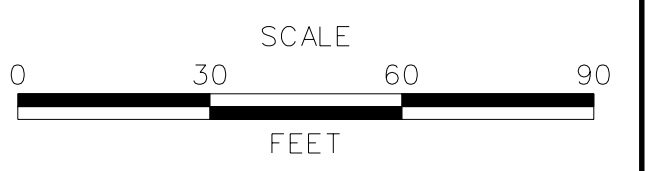
NOTE:
THERE ARE NO IMPACTS
ON THIS SHEET

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	OHW - ORDINARY HIGH WATER
	POHW - PROPOSED 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
	RPF - RESOURCE PROTECTION FENCE

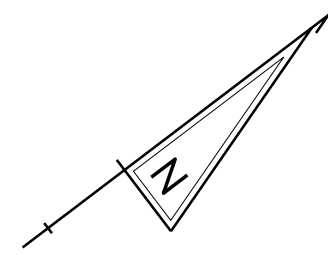
BMP No. 658
TYPE: INFILTRATION BASIN
FROM STA. 307+00 TO 310+00

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ADDENDUMS / REVISIONS	



CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	AW
COUNTY	CHECKED BY:	SF
NEW CASTLE		



NOTE:
RPF EXTENDS TO BUNKER HILL ROAD. REFER TO ESMOT PLANS FOR RPF LIMITS.

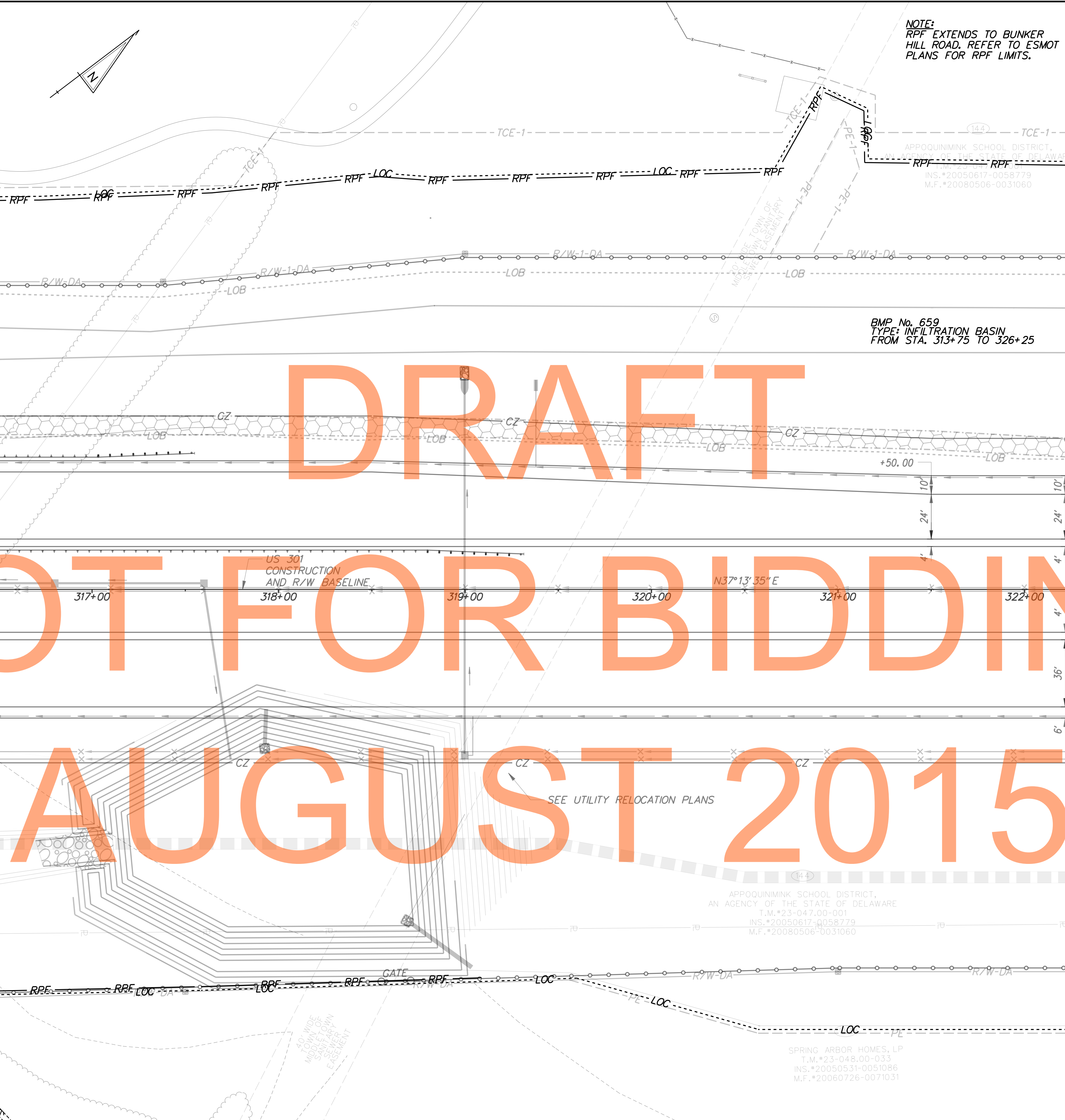
LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
	OPEN WATER IMPACT
	WETLAND IMPACT
	TEMPORARY IMPACT
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION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

BMP No. 659
TYPE: INFILTRATION BASIN
FROM STA. 313+75 TO 326+25

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AUGUST 2015

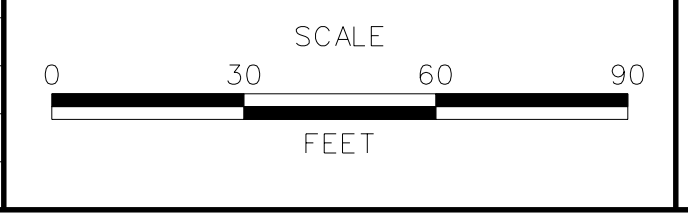
NOTE:
THERE ARE NO IMPACTS ON THIS SHEET

MATCHLINE STA 316+50 SEE SHEET EC13



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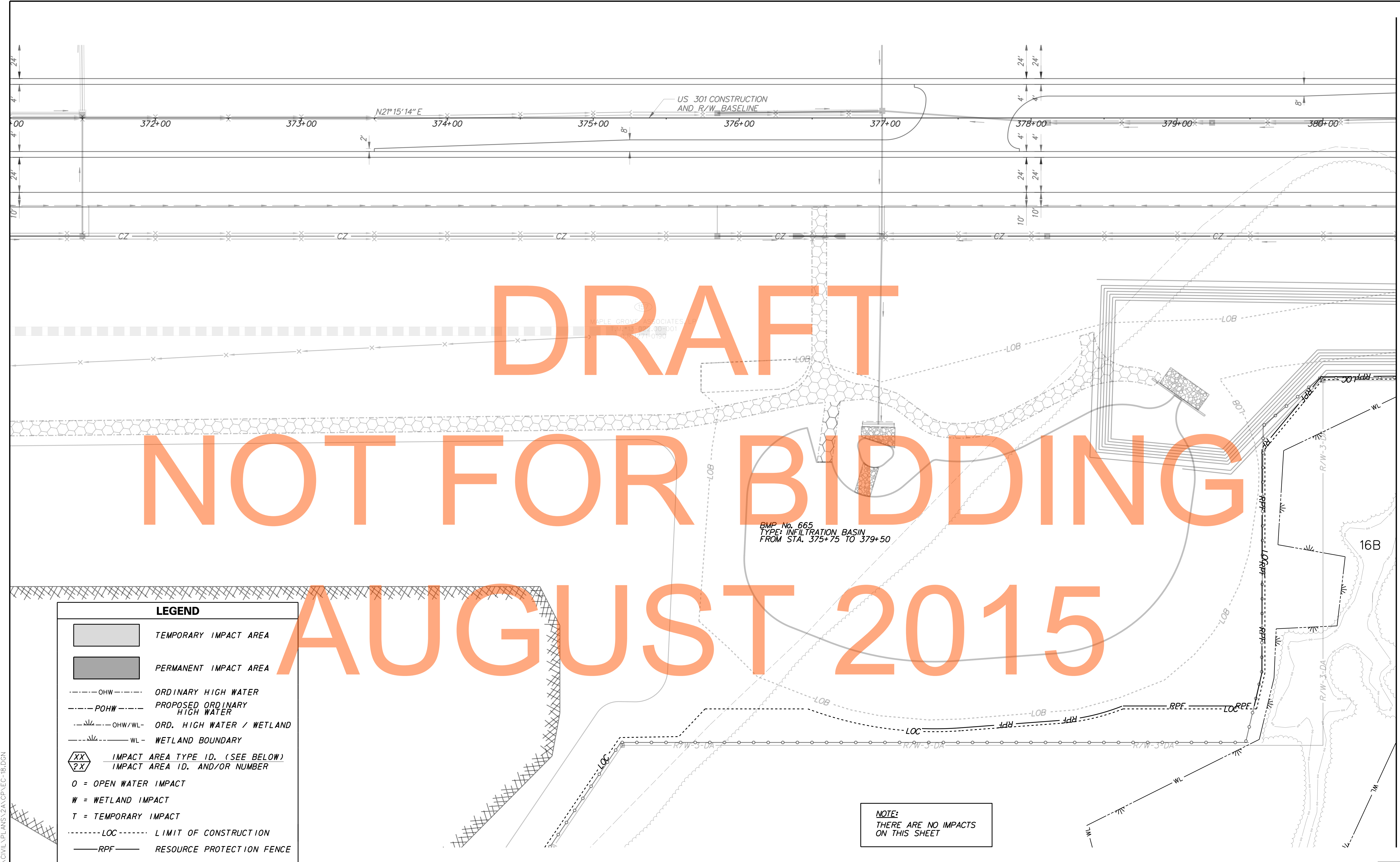
ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	AW
COUNTY	CHECKED BY:	SF
NEW CASTLE		

EC-17
SHEET NO.
843
TOTAL SHTS.
1256

DRAFT
NOT FOR BIDDING
AUGUST 2015



BMP No. 665
TYPE: INFILTRATION BASIN
FROM STA. 375+75 TO 379+50

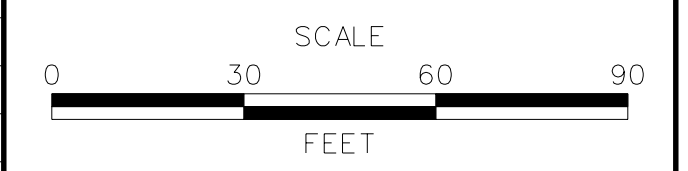
NOTE:
THERE ARE NO IMPACTS
ON THIS SHEET

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED 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
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE

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ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

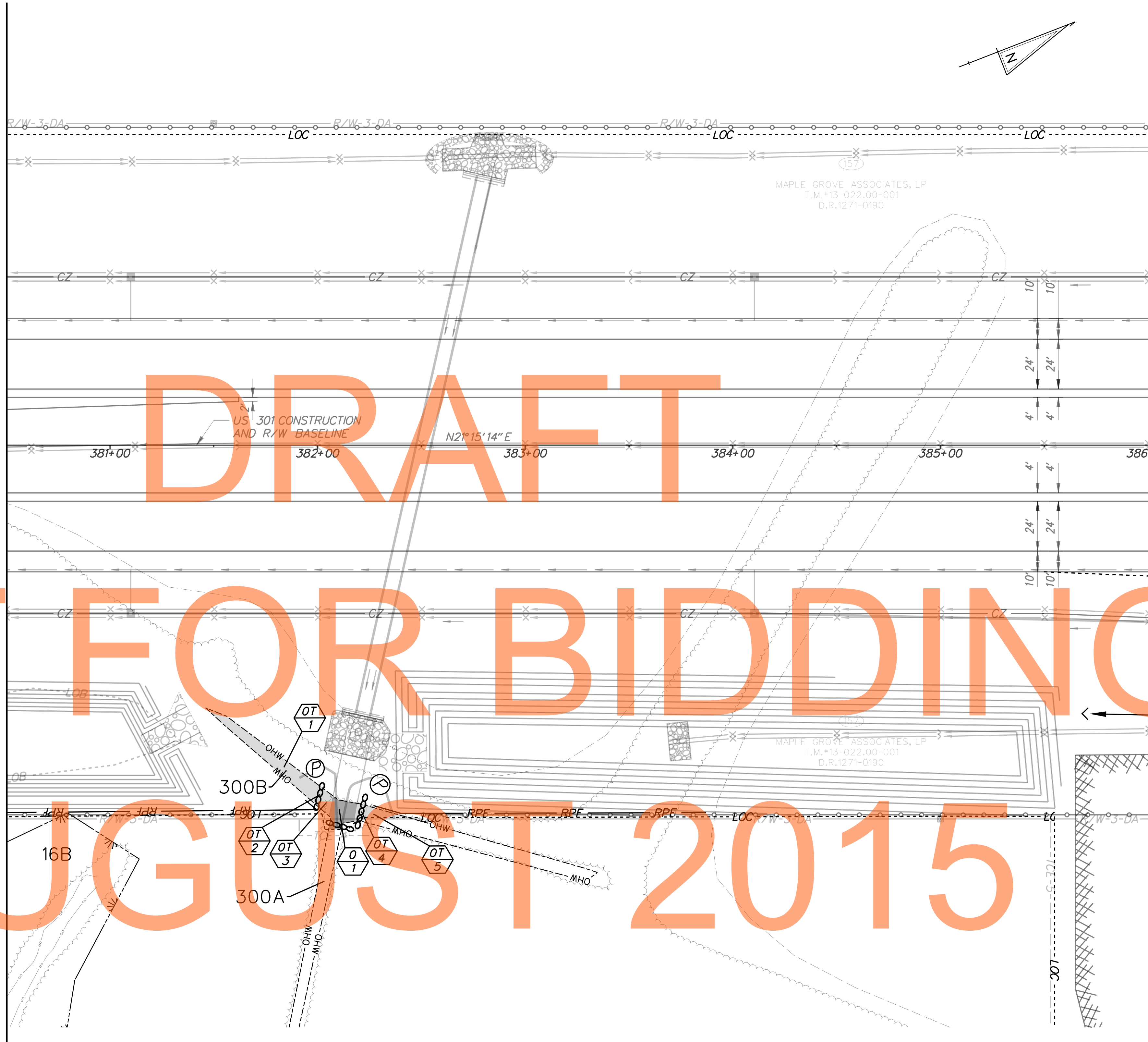
CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AW JW
	CHECKED BY: JF SF

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-18
SHEET NO. 844
TOTAL SHTS. 1256

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
---OHW---	ORDINARY HIGH WATER
---POHW---	PROPOSED 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
---RPF---	RESOURCE PROTECTION FENCE

MATCHLINE STA 380+50 SEE SHEET EC18

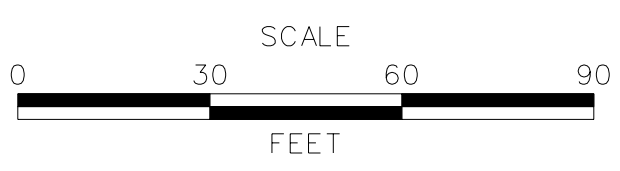


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NOT FOR BIDDING
AUGUST 2015

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
19-01	EXCAVATION	147.16	0.0034	10.96	DNREC
TOTAL DNREC		147.16	0.0034	10.96	-

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
19-OT1	TEMPORARY ACCESS	364.28	0.0084	27.12	DNREC
19-OT2	E&S AREA	27.72	0.0006	2.06	DNREC
19-OT3	TEMPORARY ACCESS	49.90	0.0011	3.71	DNREC
19-OT4	E&S AREA	35.58	0.0008	2.65	DNREC
19-OT5	TEMPORARY ACCESS	58.86	0.0014	4.38	DNREC
TOTAL DNREC		536.34	0.0123	39.93	-

ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	AW
COUNTY	CHECKED BY:	SF
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

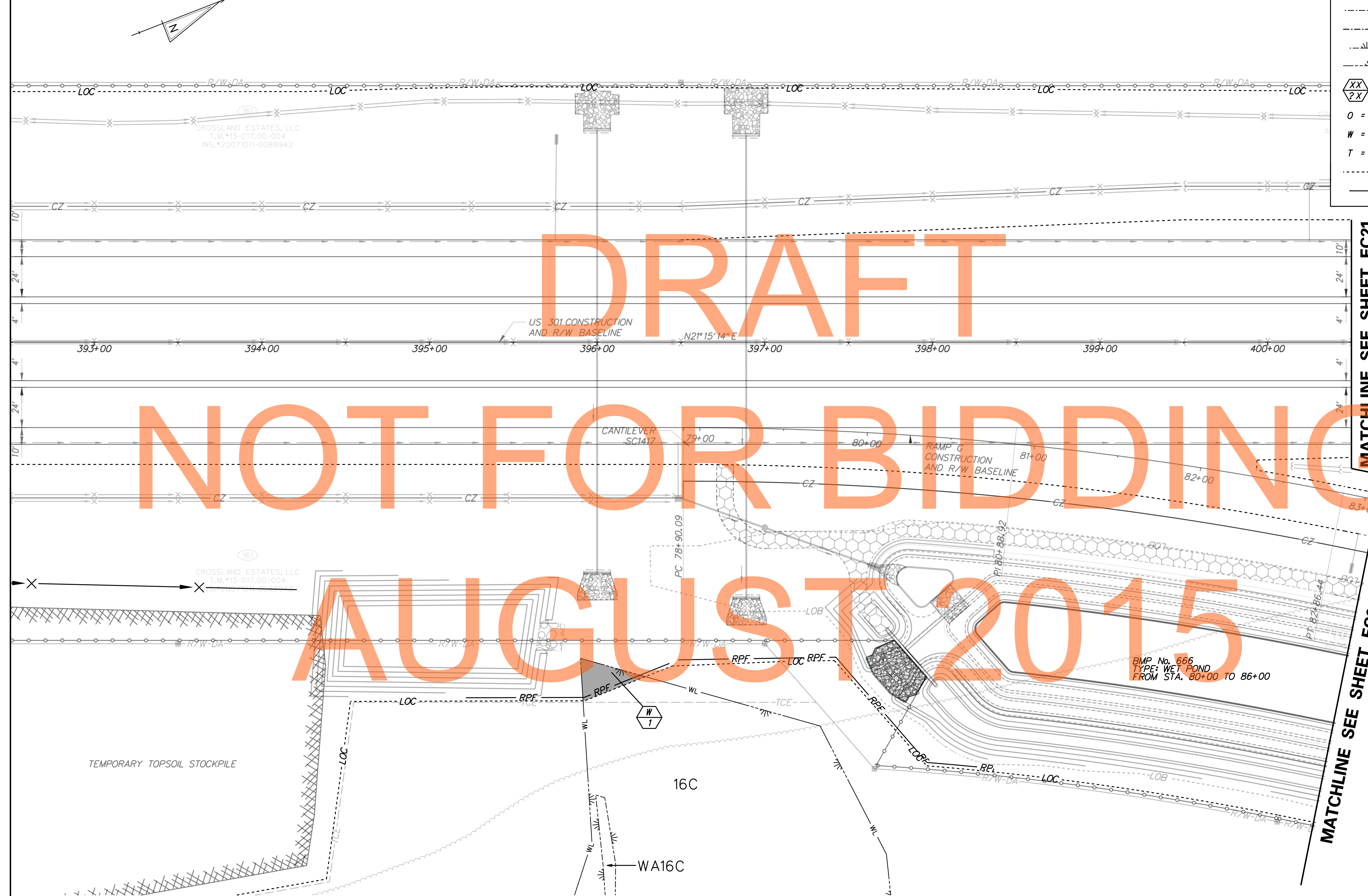


EC-19
SHEET NO.
845
TOTAL SHTS.
1256

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PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
20-W1	EXCAVATION	489.53	0.0112	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		489.53	0.0112	N/A	USACE

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED 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

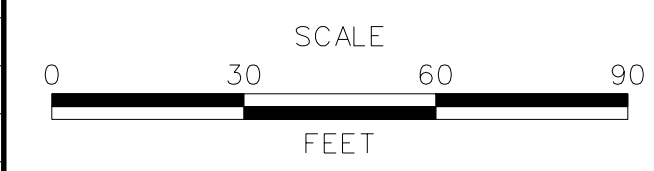


MATCHLINE SEE SHEET EC21

MATCHLINE SEE SHEET EC21

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ADDENDUMS / REVISIONS

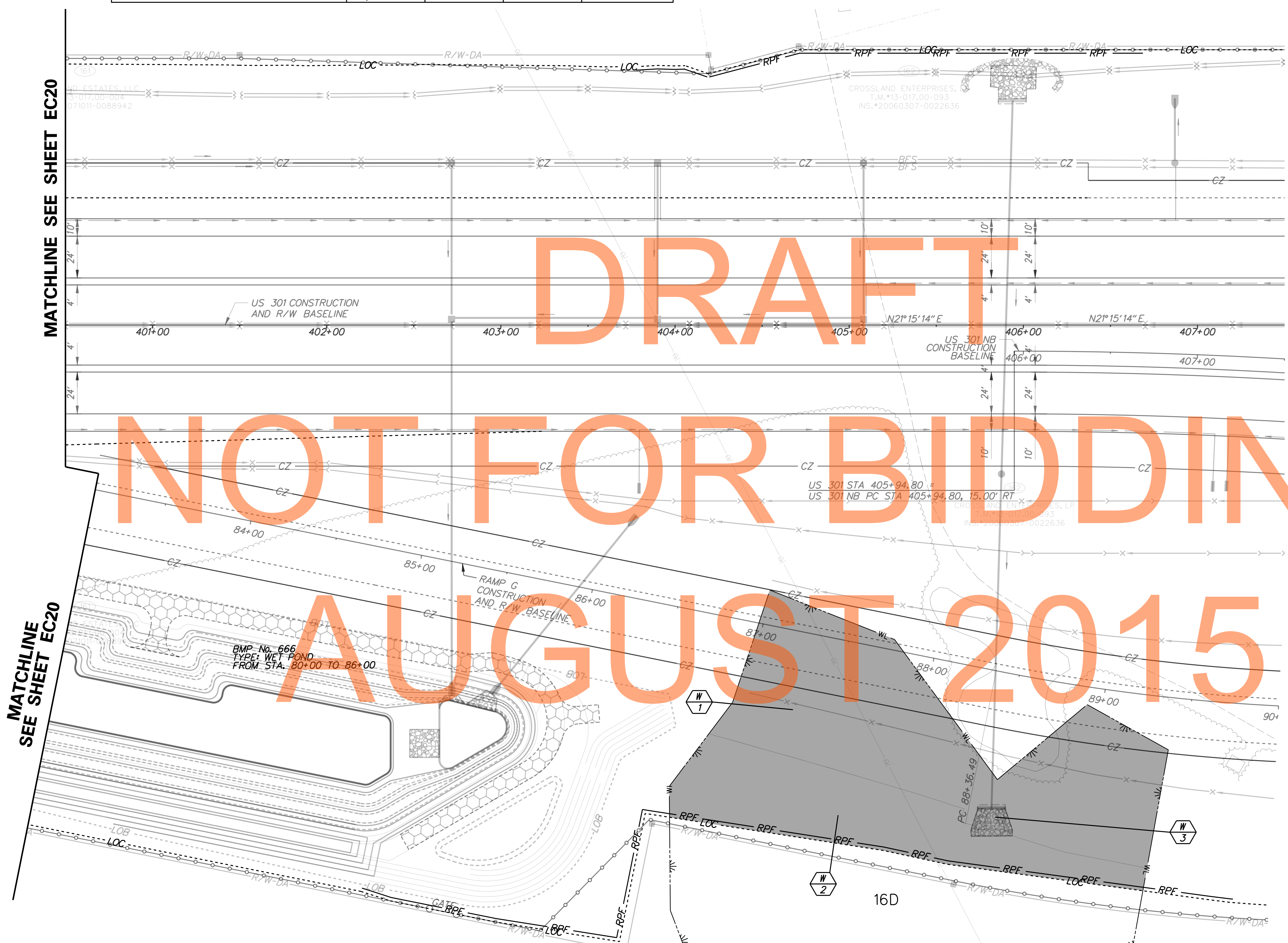


CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AW JW
NEW CASTLE	CHECKED BY: JF SF

EC-20
SHEET NO.
846
TOTAL SHTS.
1256

PERMANENT WETLAND IMPACT AREA SCHEDULE										
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION					
21-W1	FILL	17,052.88	0.3915	N/A	USACE					
21-W2	EXCAVATION	8,768.82	0.2013	N/A	USACE					
21-W3	RIPRAP	329.02	0.0076	N/A </tr <tr> <td colspan="2">TOTAL PERMANENT WETLAND IMPACTS</td> <td>26,150.72</td> <td>0.6003</td> <td>N/A</td> <td>USACE</td> </tr>	TOTAL PERMANENT WETLAND IMPACTS		26,150.72	0.6003	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		26,150.72	0.6003	N/A	USACE					

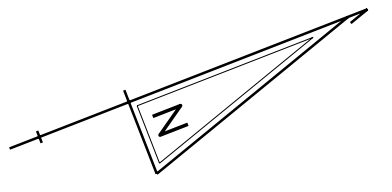
LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
----- OHW -----	ORDINARY HIGH WATER
----- POHW -----	PROPOSED ORDINARY HIGH WATER
----- OHW/WL -----	ORD. HIGH WATER / WETLAND
----- WL -----	WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
O	OPEN WATER IMPACT
W	WETLAND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



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NOT FOR BIDDING

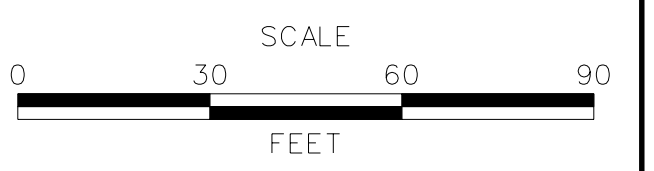
AUGUST 2015



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ADDENDUMS / REVISIONS



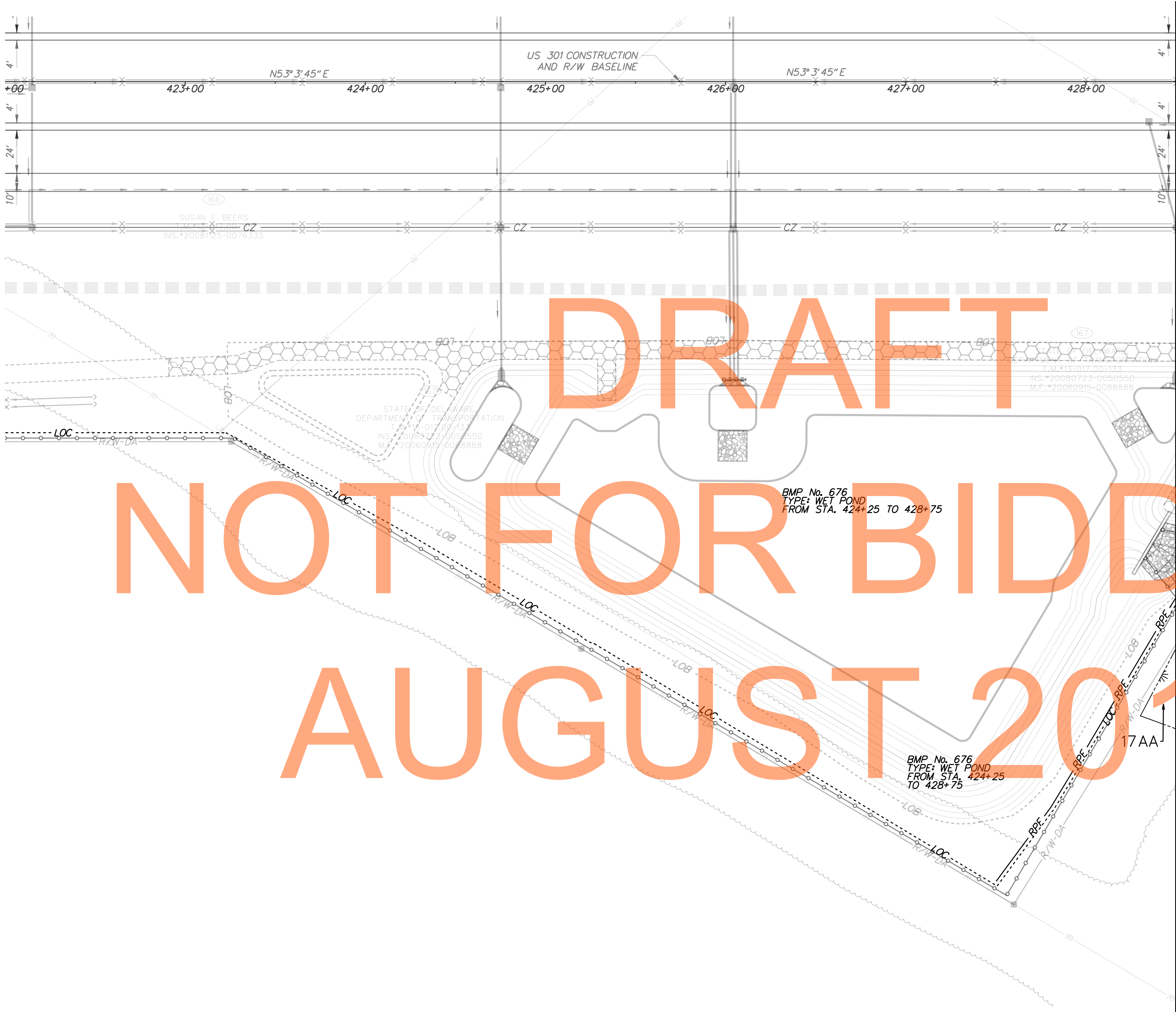
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AW JW
NEW CASTLE	CHECKED BY: JF SF

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-21
SHEET NO.
847
TOTAL SHTS.
1256

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED 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
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE



MATCHLINE STA 428+50 SEE SHEET EC23

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AUGUST 2015

NOTE:
THERE ARE NO IMPACTS
ON THIS SHEET

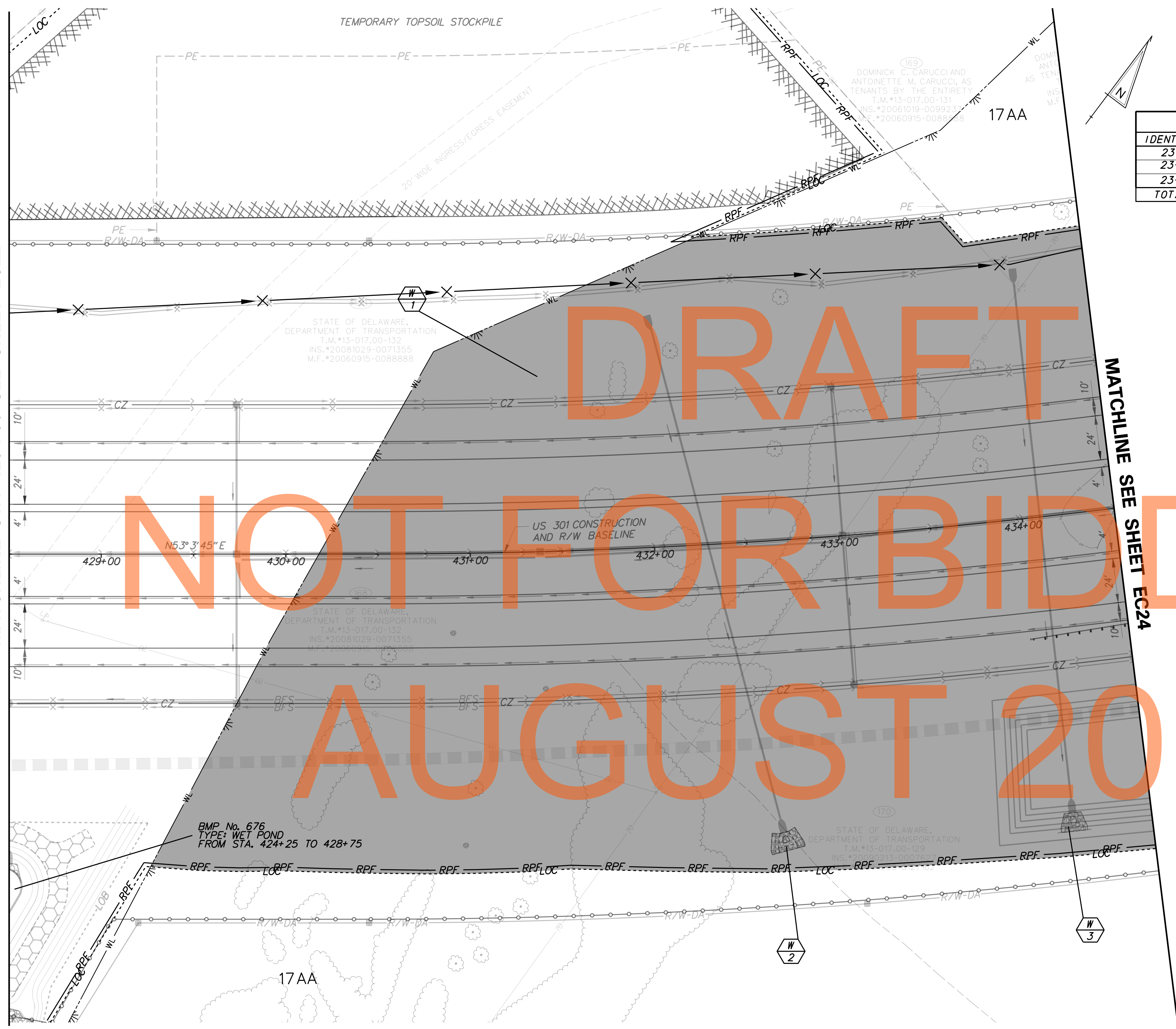
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	ADDENDUMS / REVISIONS		SCALE 	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD		CONTRACT T20091303	BRIDGE NO.	ENVIRONMENTAL COMPLIANCE PLAN	EC-22
					COUNTY NEW CASTLE	DESIGNED BY: AW	CHECKED BY: SF		SHEET NO. 848
								TOTAL SHTS. 1256	

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MATCHLINE STA 428+50 SEE SHEET EC22

MATCHLINE SEE SHEET EC24

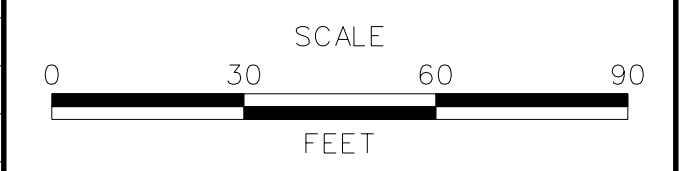


PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
23-W1	FILL	145,195.59	3.3332	N/A	USACE
23-W2	RIPRAP	170.94	0.0039	N/A	USACE
23-W3	RIPRAP	124.15	0.0029	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		145,490.68	3.3400	N/A	USACE

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

DRAFT
NOT FOR BIDDING
AUGUST 2015

ADDENDUMS / REVISIONS



CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AW JW CHECKED BY: JF SF

LEGEND

	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED 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
	LIMIT OF CONSTRUCTION
	RESOURCE PROTECTION FENCE

PERMANENT OPEN WATER IMPACT AREA SCHEDULE

IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
24-01	FILL	1,791.06	0.0411	65.67	USACE
24-02	RIPRAP	127.82	0.0029	4.69	USACE
24-03	FILL	990.66	0.0227	36.32	USACE
24-04	NON-VIABLE REMNANT	704.53	0.0162	25.83	USACE
TOTAL USACE		3,614.07	0.0830	132.52	-

PERMANENT WETLAND IMPACT AREA SCHEDULE

IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
24-W1	FILL	129,084.74	2.9634	N/A	USACE
24-W2	RIPRAP	124.75	0.0029	N/A	USACE
24-W3	RIPRAP	36.99	0.0008	N/A	USACE
24-W4	RIPRAP	519.24	0.0119	N/A	USACE
24-W5	RIPRAP	519.24	0.0119	N/A	USACE
24-W6	RIPRAP	498.77	0.0115	N/A	USACE
24-W7	EXCAVATION	9,326.11	0.2141	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		140,109.84	3.2165	N/A	USACE



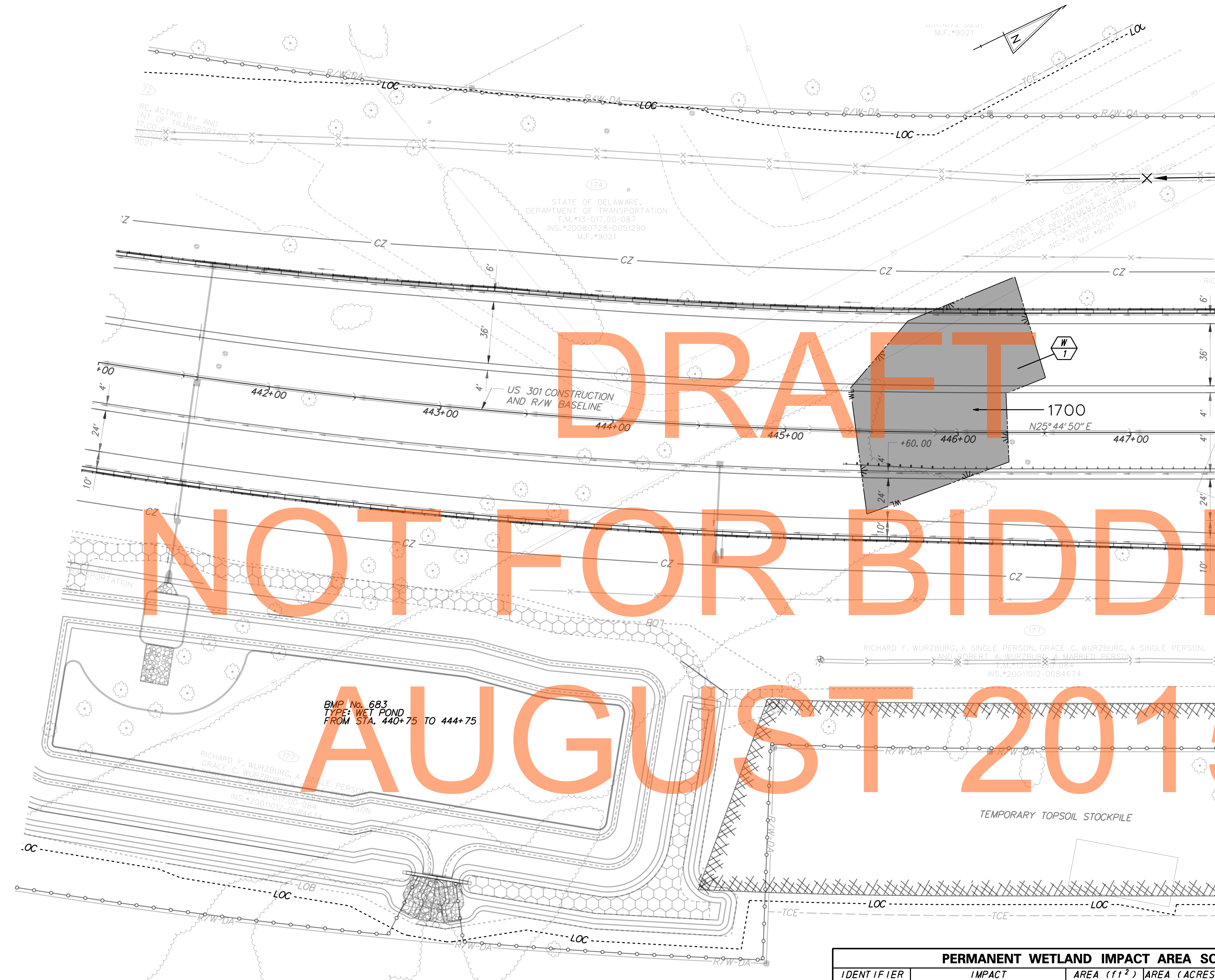
MATCHLINE SEE SHEET EC23

DRAFT
NOT FOR BIDDING
AUGUST 2015

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	ADDENDUMS / REVISIONS	SCALE 	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T20091303	BRIDGE NO.	ENVIRONMENTAL COMPLIANCE PLAN	EC-24
					COUNTY NEW CASTLE		DESIGNED BY: AW JW

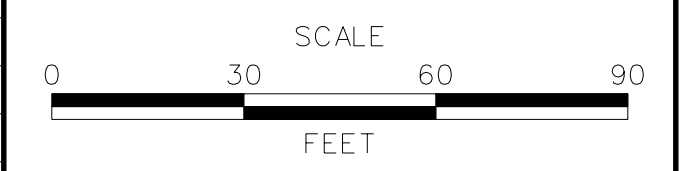
LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
	ORDINARY HIGH WATER
	PROPOSED ORDINARY HIGH WATER
	ORD. HIGH WATER / WETLAND
	WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
	OPEN WATER IMPACT
	WETLAND IMPACT
	TEMPORARY IMPACT
	LIMIT OF CONSTRUCTION
	RESOURCE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



PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
25-W1	FILL	9,518.25	0.2185	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		9,518.25	0.2185	N/A	USACE

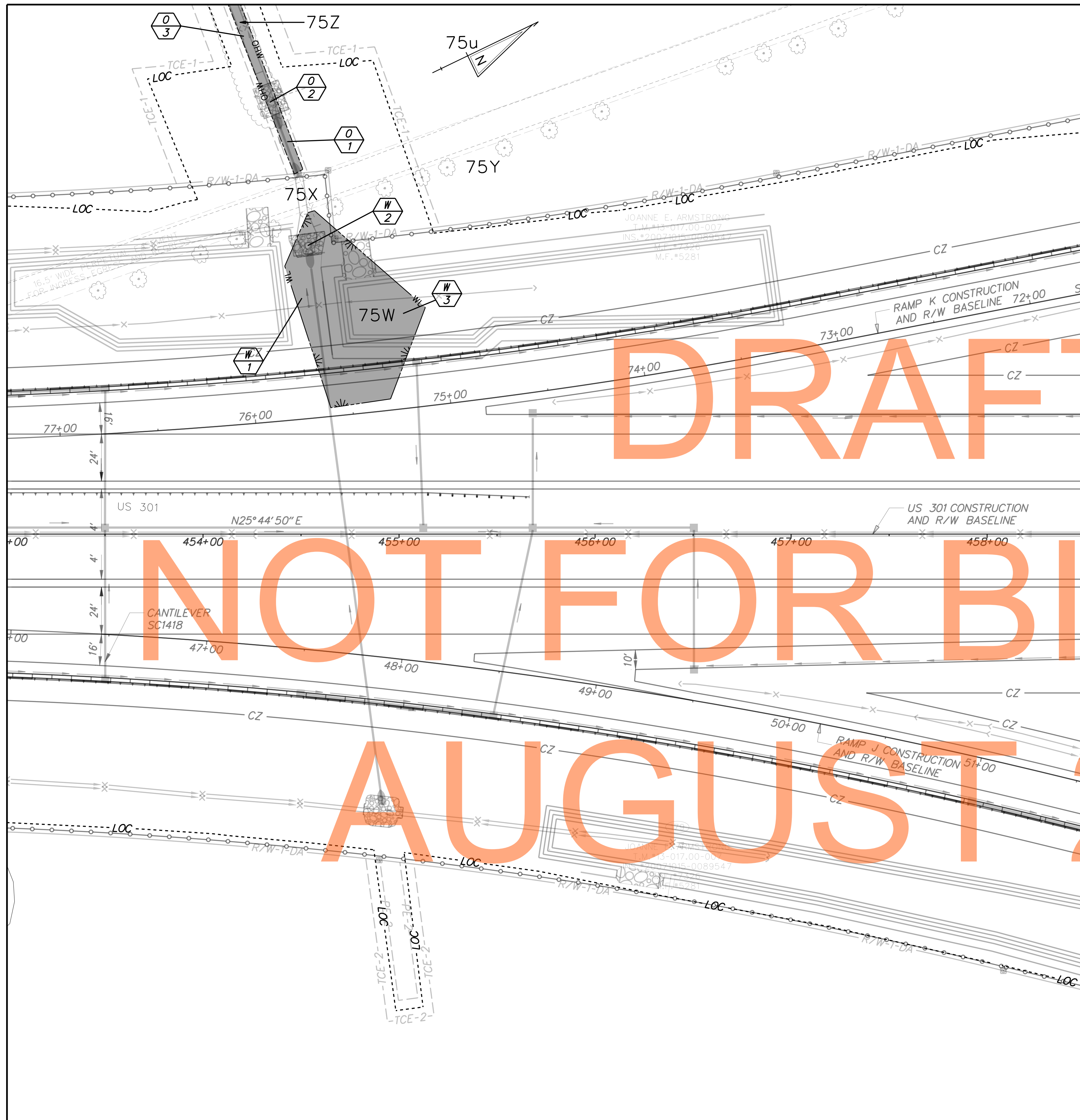
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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	DESIGNED BY: AW JW	
T20091303			
COUNTY	CHECKED BY: JF SF		
NEW CASTLE			

MATCHLINE SEE SHEET EC27



LEGEND

- TEMPORARY IMPACT AREA
- PERMANENT IMPACT AREA
- OHW ----- ORDINARY HIGH WATER
- POHW ----- PROPOSED ORDINARY HIGH WATER
- OHW/WL ----- ORD. HIGH WATER / WETLAND
- WL ----- WETLAND BOUNDARY
- XX
?X 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

DRAFT

PERMANENT OPEN WATER IMPACT AREA SCHEDULE

IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
26-01	EXCAVATION	161.95	0.0037	12.06	USACE
26-02	RIPRAP	87.02	0.0020	6.48	USACE
26-03	EXCAVATION	250.22	0.0057	18.63	USACE
TOTAL USACE		499.19	0.0115	37.16	-

NOT FOR BIDDING

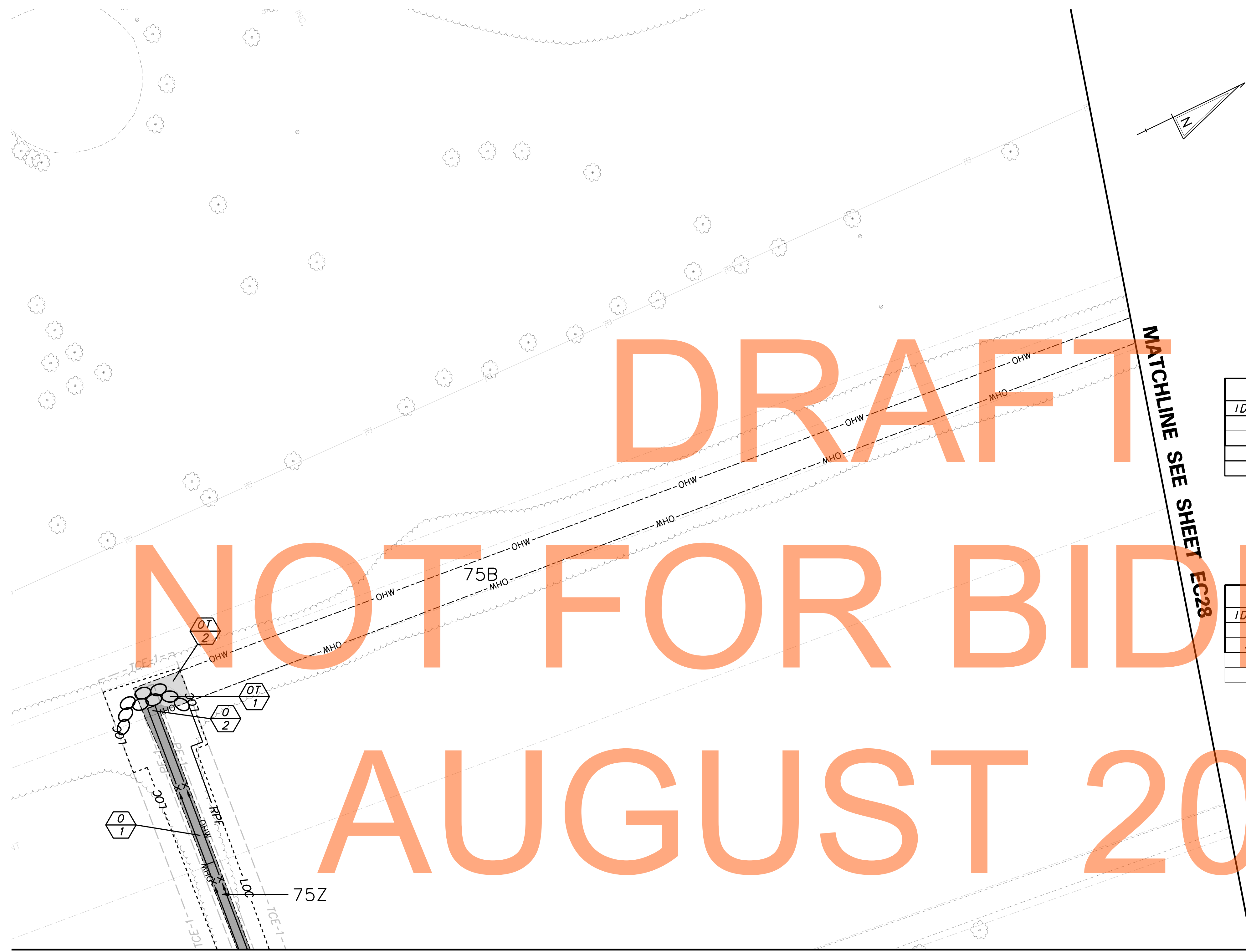
PERMANENT WETLAND IMPACT AREA SCHEDULE

IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
26-W1	FILL	1,630.42	0.0374	N/A	USACE
26-W2	RIPRAP	165.13	0.0038	N/A	USACE
26-W3	EXCAVATION	2,430.00	0.0558	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		4,225.55	0.0970	N/A	USACE

AUGUST 2015

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<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	<p>SCALE</p> <p>0 30 60 90</p> <p>FEET</p>	<p>US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD</p>	CONTRACT	BRIDGE NO.	<p>ENVIRONMENTAL COMPLIANCE PLAN</p>	SHEET NO.
	<p>T20091303</p> <p>COUNTY</p> <p>NEW CASTLE</p>			<p>DESIGNED BY: AW JW</p> <p>CHECKED BY: JF SF</p>	<p>852</p> <p>TOTAL SHTS.</p> <p>1256</p>		



MATCHLINE SEE SHEET EC28

MATCHLINE SEE SHEET EC26

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
----- OHW -----	ORDINARY HIGH WATER
----- POHW -----	PROPOSED 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
----- RPF -----	RESOURCE PROTECTION FENCE

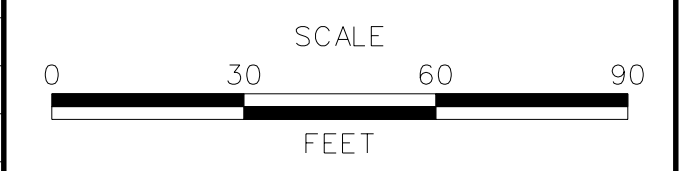
PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
27-01	EXCAVATION	834.37	0.0192	62.11	USACE
27-02	EXCAVATION	48.40	0.0011	3.60	DNREC/USACE
TOTAL DNREC		48.40	0.0011	3.60	-
TOTAL USACE		882.77	0.0203	65.71	-

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
27-OT1	E&S AREA	229.58	0.0053	17.09	DNREC/USACE
27-OT2	TEMPORARY ACCESS	115.67	0.0027	8.61	DNREC/USACE
TOTAL DNREC		345.25	0.0080	25.70	-
TOTAL USACE		345.25	0.0080	25.70	-

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AUGUST 2015

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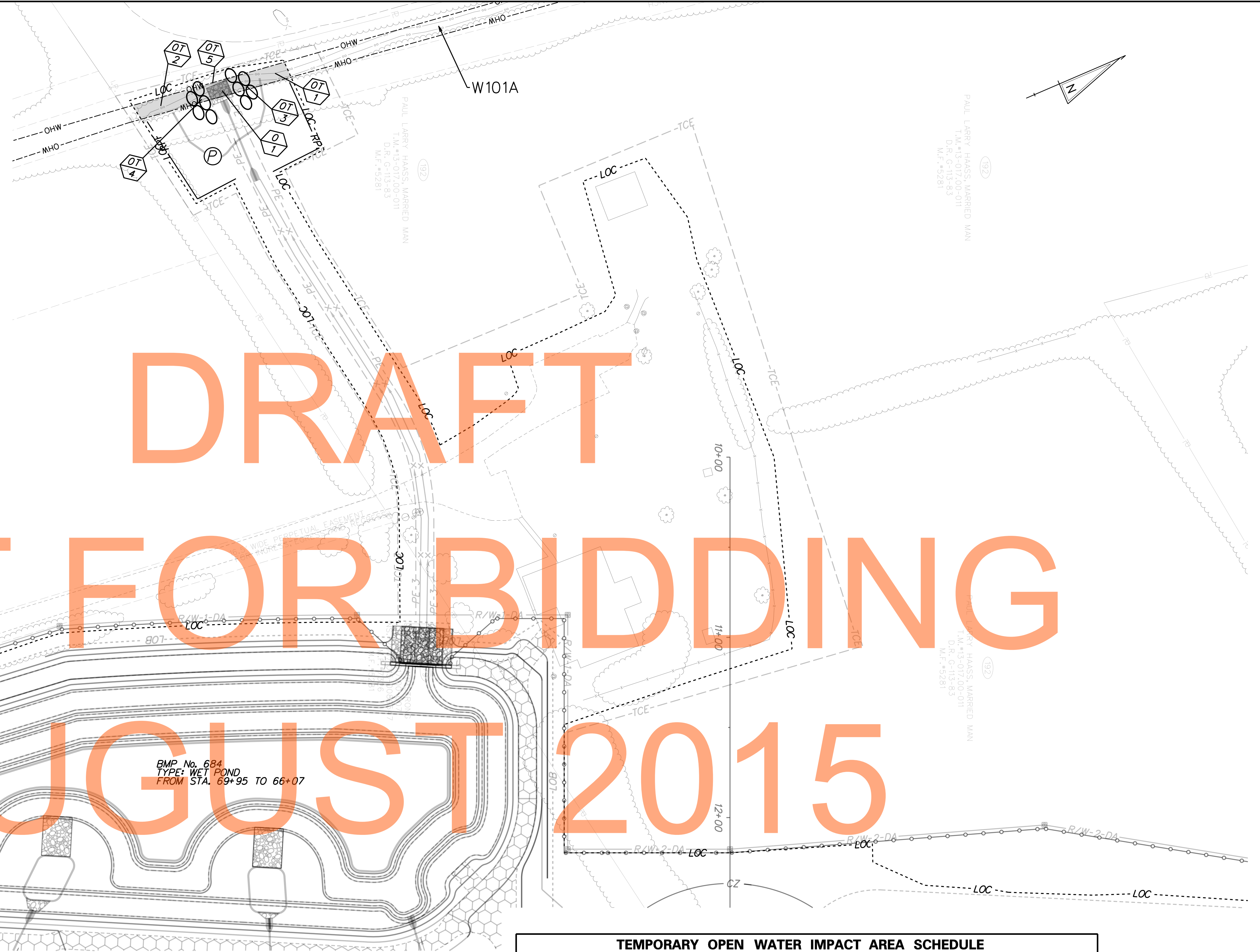
ADDENDUMS / REVISIONS	



CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	AW
COUNTY	CHECKED BY:	SF
NEW CASTLE		

LEGEND

	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
--- OHW ---	ORDINARY HIGH WATER
--- POHW ---	PROPOSED 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
--- RPF ---	RESOURCE PROTECTION FENCE



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AUGUST 2015

MATCHLINE SEE SHEET EC27

BMP No. 684
TYPE: WET POND
FROM STA. 69+95 TO 66+07

PERMANENT OPEN WATER IMPACT AREA SCHEDULE

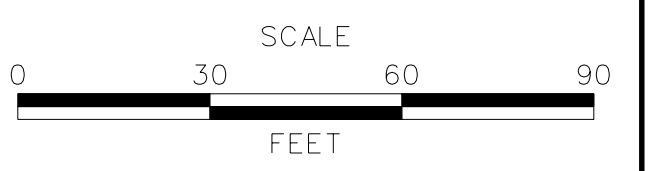
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
28-01	RIPRAP	90.64	0.0021	6.75	DNREC/USACE
TOTAL DNREC & USACE		90.64	0.0021	6.75	-

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE

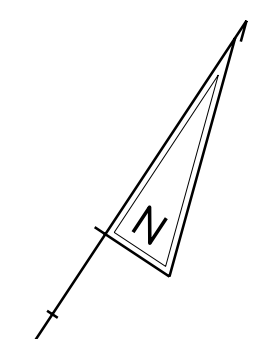
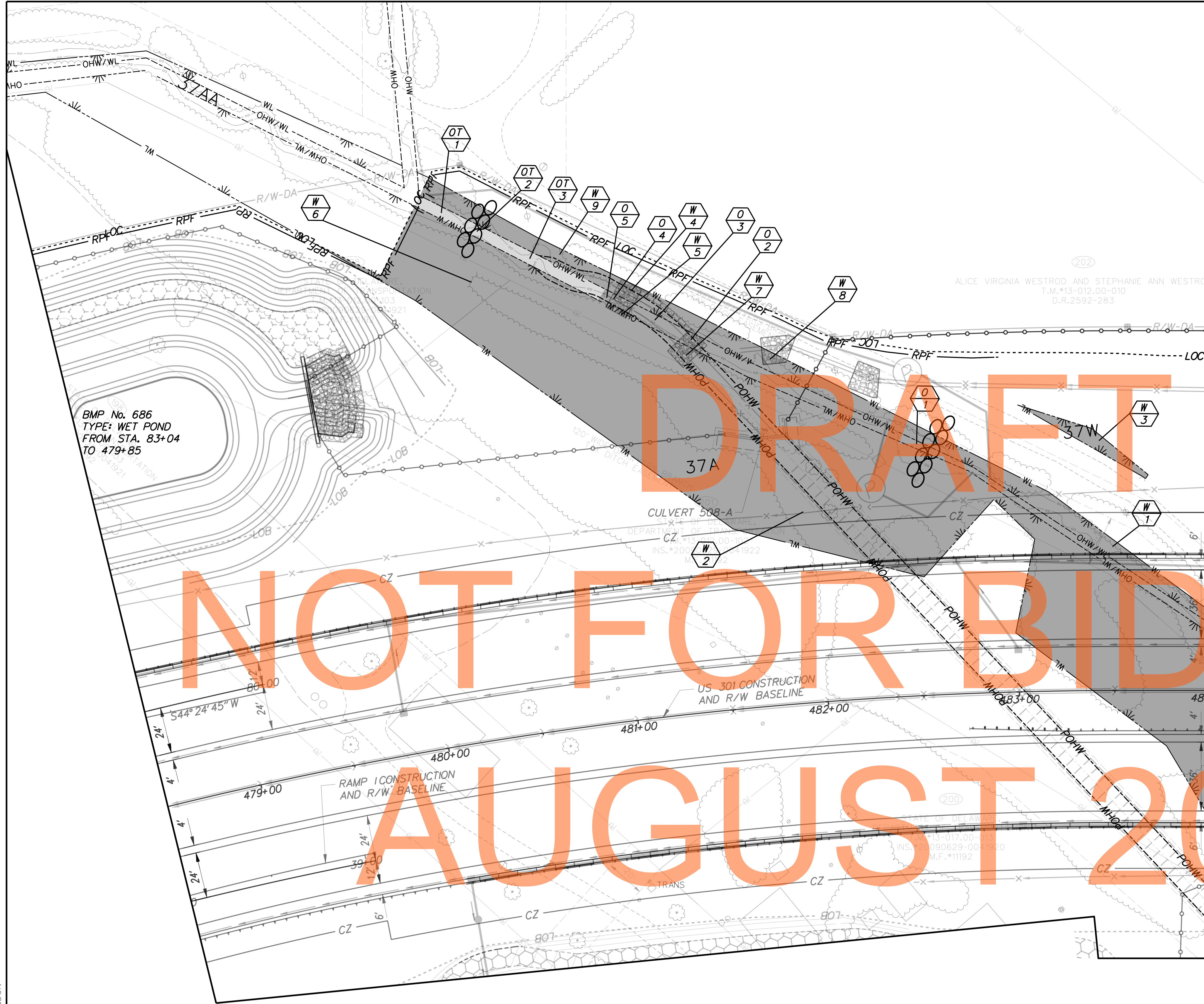
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
28-0T1	TEMPORARY ACCESS	183.58	0.0042	13.67	DNREC/USACE
28-0T2	TEMPORARY ACCESS	245.48	0.0056	18.27	DNREC/USACE
28-0T3	E&S AREA	118.73	0.0027	8.84	DNREC/USACE
28-0T4	E&S AREA	112.52	0.0026	8.38	DNREC/USACE
28-0T5	TEMPORARY ACCESS	16.60	0.0004	1.24	DNREC/USACE
TOTAL DNREC & USACE		676.91	0.0155	50.39	-

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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	AW
COUNTY	CHECKED BY:	SF
NEW CASTLE		



LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
--- OHW ---	ORDINARY HIGH WATER
--- POWH ---	PROPOSED 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
--- RPF ---	RESOURCE PROTECTION FENCE

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AUGUST 2015

MATCHLINE SEE SHEET EC30

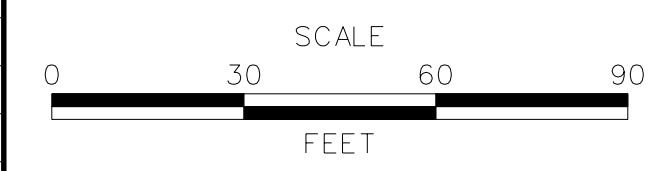
PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
29-01	FILL	1,393.17	0.0320	103.71	DNREC/USACE
29-02	RIPRAP	83.86	0.0019	6.24	DNREC/USACE
29-03	EXCAVATION	217.45	0.0050	16.19	DNREC/USACE
29-04	RIPRAP	82.79	0.0019	6.16	DNREC/USACE
29-05	EXCAVATION	34.15	0.0008	2.54	DNREC/USACE
TOTAL DNREC & USACE		1,811.42	0.0416	134.84	-

PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
29-W1	FILL	2,798.92	0.0643	N/A	USACE
29-W2	FILL	16,849.14	0.3868	N/A	USACE
29-W3	FILL	381.78	0.0088	N/A	USACE
29-W4	RIPRAP	102.19	0.0023	N/A	USACE
29-W5	RIPRAP	18.96	0.0004	N/A	USACE
29-W6	EXCAVATION	10,669.05	0.2449	N/A	USACE
29-W7	RIPRAP	115.20	0.0026	N/A	USACE
29-W8	RIPRAP	64.51	0.0015	N/A	USACE
29-W9	EXCAVATION	1,010.06	0.0232	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		32,009.81	0.7348	N/A	USACE

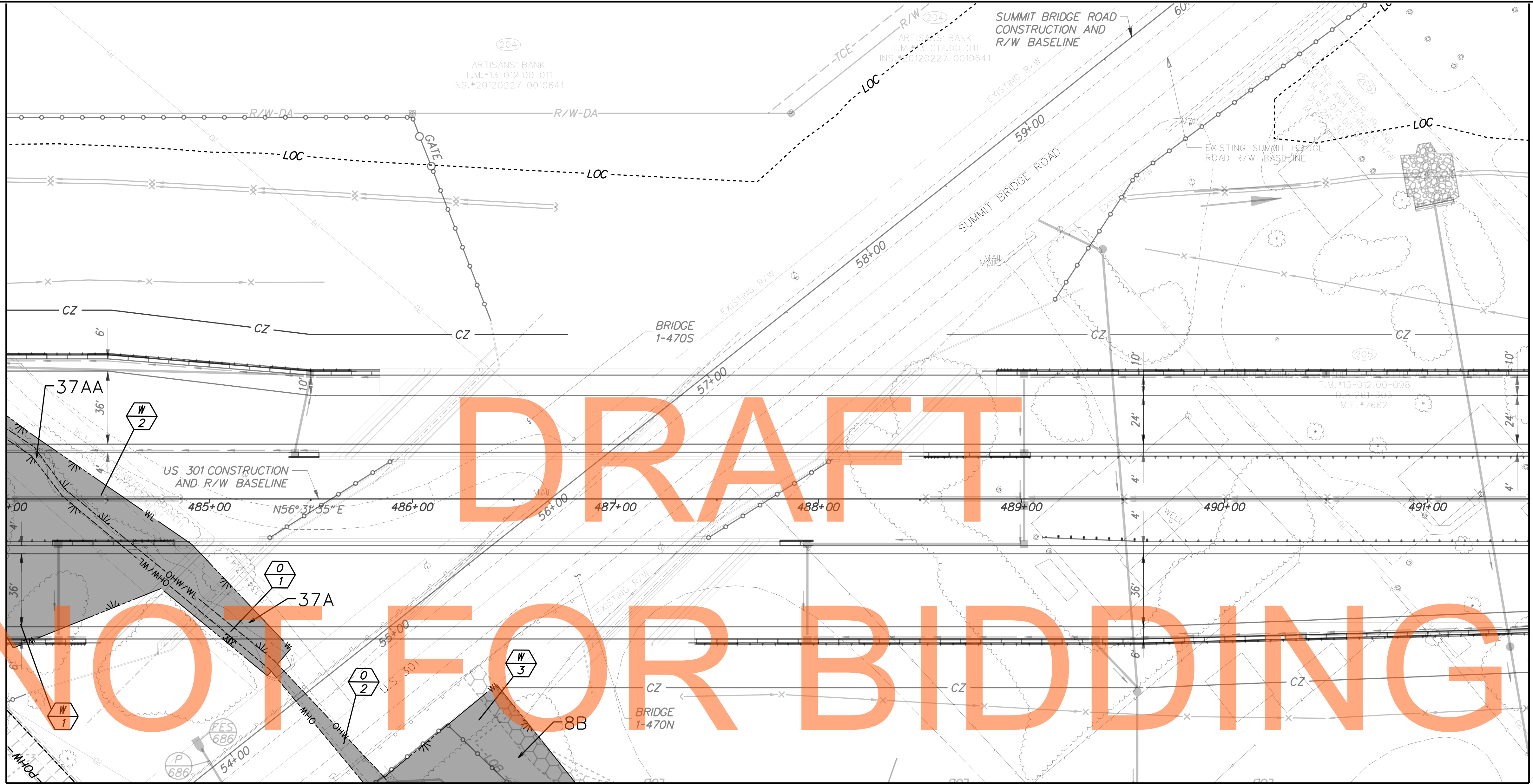
TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
29-OT1	TEMPORARY ACCESS	167.66	0.0038	12.48	DNREC/USACE
29-OT2	E&S AREA	67.41	0.0015	5.02	DNREC/USACE
29-OT3	TEMPORARY ACCESS	456.51	0.0105	33.98	DNREC/USACE
TOTAL DNREC & USACE		691.58	0.0158	51.48	-

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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AW JW
NEW CASTLE	CHECKED BY: JF SF



MATCHLINE SEE SHEET EC29

MATCHLINE SEE SHEET EC31

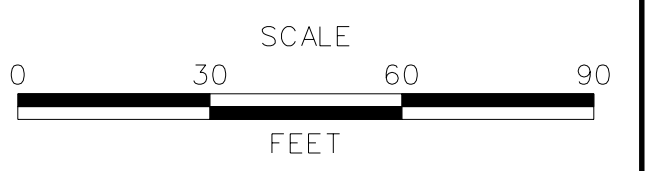
DRAFT
NOT FOR BIDDING

LEGEND	
	TEMPORARY IMPACT AREA
	PERMANENT IMPACT AREA
---OHW---	ORDINARY HIGH WATER
---POHW---	PROPOSED 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
---RPF---	RESOURCE PROTECTION FENCE

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
30-01	FILL	704.50	0.0162	52.45	DNREC/USACE
30-02	FILL	541.14	0.0124	40.28	DNREC/USACE
TOTAL DNREC & USACE		1,245.64	0.0286	92.73	-

PERMANENT WETLAND IMPACT AREA SCHEDULE					
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
30-W1	FILL	4,329.75	0.0994	N/A	USACE
30-W2	FILL	2,340.42	0.0537	N/A	USACE
30-W3	FILL	2,369.92	0.0544	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		9,040.09	0.2075	N/A	USACE

ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AW JW
NEW CASTLE	CHECKED BY: JF SF

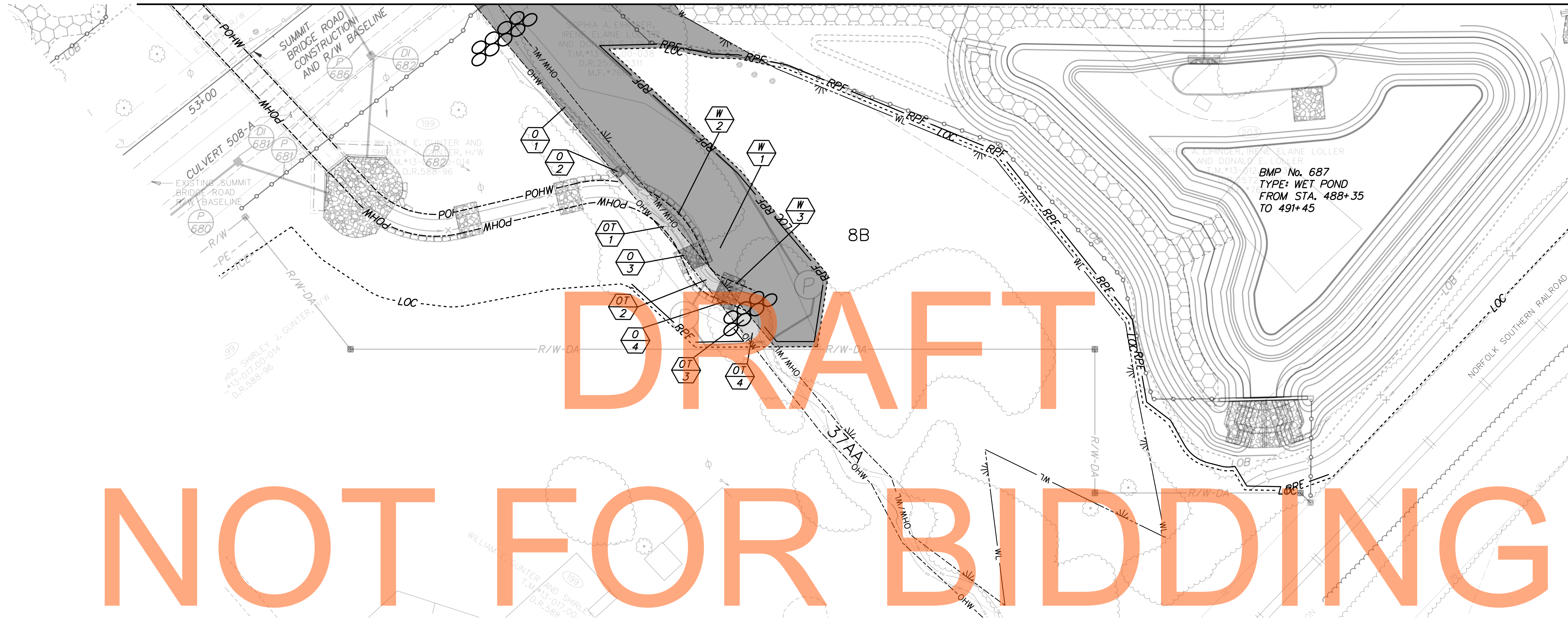
**ENVIRONMENTAL
COMPLIANCE PLAN**



EC-30
SHEET NO. 856
TOTAL SHTS. 1256

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MATCHLINE SEE SHEET EC30



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AUGUST 2015

LEGEND

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

PERMANENT OPEN WATER IMPACT AREA SCHEDULE

IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
31-01	FILL	950.24	0.0218	70.74	DNREC/USACE
31-02	RIPRAP	69.50	0.0016	5.17	DNREC/USACE
31-03	RIPRAP	88.31	0.0020	6.57	DNREC/USACE
31-04	RIPRAP	96.71	0.0022	7.20	DNREC/USACE
TOTAL DNREC & USACE		1,204.76	0.0277	89.68	-

PERMANENT WETLAND IMPACT AREA SCHEDULE

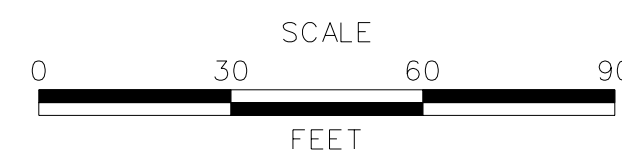
IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
31-W1	FILL	9,717.80	0.2231	N/A	USACE
31-W2	RIPRAP	360.87	0.0083	N/A	USACE
31-W3	RIPRAP	97.14	0.0022	N/A	USACE
TOTAL PERMANENT WETLAND IMPACTS		10,175.80	0.2336	N/A	USACE

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE

IDENTIFIER	IMPACT	AREA (ft ²)	AREA (ACRES)	VOLUME (yd ³)	JURISDICTION
31-OT1	E&S AREA	331.36	0.0076	24.67	DNREC/USACE
31-OT2	E&S AREA	109.95	0.0025	8.19	DNREC/USACE
31-OT3	E&S AREA	97.22	0.0022	7.24	DNREC/USACE
31-OT4	TEMPORARY ACCESS	123.94	0.0028	9.23	DNREC/USACE
TOTAL		662.47	0.0152	49.33	-

NOTE:
REFER TO STREAM RELOCATION AND RESTORATION PLANS (SHEETS 870-872).

ADDENDUMS / REVISIONS

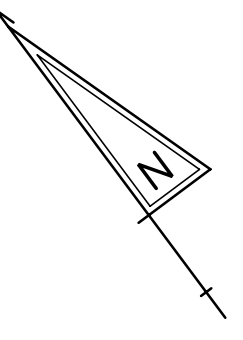


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	AW JW
COUNTY	CHECKED BY:	JF SF
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-31
SHEET NO.
857
TOTAL SHTS.
1256



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
-----RPF-----	RESOURCE PROTECTION FENCE

ENVIRONMENTAL COMPLIANCE NOTES
 1. THERE ARE NO IMPACTS ON THIS SHEET.

DRAFT

NOT FOR BIDDING

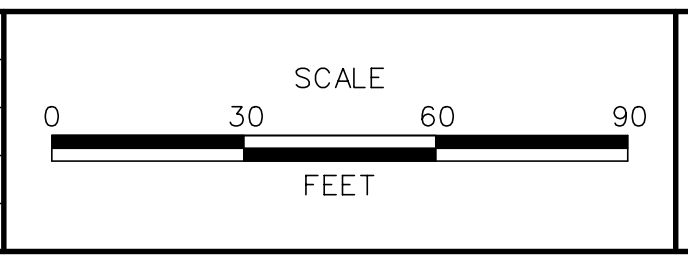
AUGUST 2015



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	



US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JL
COUNTY	CHECKED BY:	MT
NEW CASTLE		

ENVIRONMENTAL COMPLIANCE PLAN

EC-32
SHEET NO.
858
TOTAL SHTS.
1256