

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE

100 200 300

FEET

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT	BRIDGE NO.	676 / 677	
T201809001			
COUNTY	DESIGNED BY: CGG		
0001111		וותמ	
NEW CASTLE	CHECKED BY: E	3PH	

PLAN SHEET INDEX

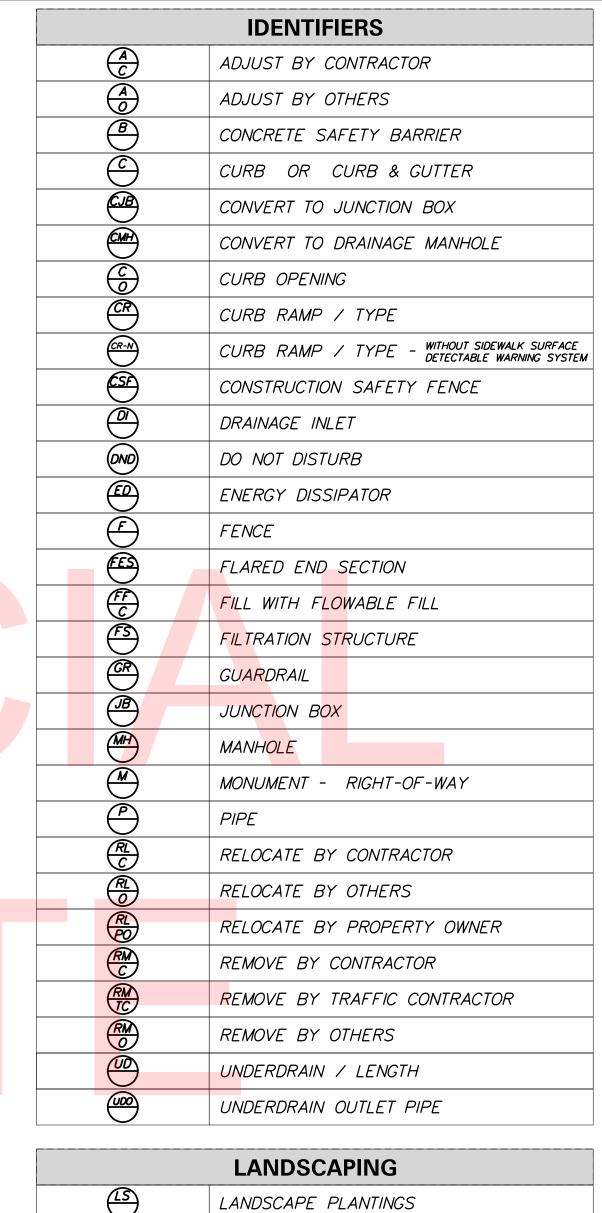
TOTAL SHTS.

20

— oo	DRAINAGE DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
C.B. / D.I.	DRAINAGE INLET
J.B.	DRAINAGE INLET
©	DRAINAGE MANHOLE
SIZE/TYPE_LABEL	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE
MANM	IADE ROADSIDE FEATURES
0	BOLLARD - STEEL POLE
\boxtimes	BOLLARD - WOOD POST
(TYPE LABEL)	CURB
(TYPE LABEL)	CURB AND GUTTER
—X——	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
FP	FLAG POLE
	GUARDRAIL - STEEL BEAM
_0	GUARDRAIL - WIRE ROPE
L AMP ©	LAMP AND POST - RESIDENTIAL
 МВ П	MAILBOX
 PM ⊕	PARKING METER AND POST
	PAVEMENT - FLEXIBLE
	PAVEMENT - RIGID
	PILE - BRIDGE
\circ	PILLAR OR MISCELLANEOUS POST
	TRAFFIC SIGN AND POST
	WALL - BRICK OR BLOCK
	WALL - STONE
NATU	RAL ROADSIDE FEATURES
ΔVz	GRASS LAWN
	HEDGEROW OR THICKET
	MARSH BOUNDARY LINE
*	TREE - CONIFEROUS
	TREE - DECIDUOUS
Д	TREE STUMP
©	SHRUBBERY
- WL	. DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY
	RIGHT-OF-WAY SYMBOLS
C.M.	PROPERTY MARKER - CONCRETE MON.
I.P.	PROPERTY MARKER - IRON PIPE
100+00	HISTORIC RIGHT-OF-WAY BASELINE
	- EXISTING RIGHT-OF-WAY
—— 帀 ———	- EXISTING PROPERTY LINE
-EASEMENT TYPE	- EXISTING EASEMENT
—— DA ———	- EXISTING DENIAL OF ACCESS
— R/W-DA —	- EXISTING R/W & DENIAL OF ACCESS

EXISTING	SYMBOLS	3
	SURVEY C	ONTROL & MONUMENTATION
CENTERLINE	B.M.	SURVEY BENCHMARK LOCATION
/ FLOW ARROW	T.P.	SURVEY TIE POINT LOCATION
	Δ	SURVEY TRAVERSE POINT
BOX	•	POINT OF CURVATURE OR TANGENCY
	0	POINT OF INTERSECTING TANGENTS
FLOW ARROW		·
) W AL L		UTILITY
TURE	•	SOIL BORING LOCATION
ATURE	•	UTILITY TEST HOLE LOCATION
		CABLE TV DISTRIBUTION BOX
EATURES	©	ELECTRIC MANHOLE
OLE	EM	ELECTRIC METER
OST	E	ELECTRIC TRANSFORMER
		POLE MOUNTED LUMINAIRE
	© O M	GAS MANHOLE
OR STRANDED	G.M.	GAS METER
OR SPLIT RAIL	G.V.	GAS VALVE
	G.P.	GAS PUMP - SERVICE STATION
BEAM		RAILROAD TRACKS
OPE	S	SANITARY SEWER MANHOLE
RESIDENTIAL	S.V.	SANITARY SEWER VALVE
	SÇO	SANITARY SEWER CLEANOUT OR VENT
POST	S.D.F.	SEPTIC DRAIN FIELD
_E	B	TELEPHONE BOOTH
	<u></u>	TELEPHONE MANHOLE
	T	TELEPHONE TEST POINT
NEOUS POST	J.W.	TRAFFIC - CONDUIT JUNCTION WELL
POST	© 	TRAFFIC - LIGHT POLE AND BASE
LOCK		TRAFFIC - PEDESTRIAN POLE & BASE
		TRAFFIC - SIGNAL CABINET & BASE
ATURES	⊗	TRAFFIC - SIGNAL POLE AND BASE
ATORES	U	UTILITY BOX
KET	⊙→	UTILITY POLE GUY WIRE ANCHOR
INE	Ø	UTILITY POLE
	F.H.	WATER - FIRE HYDRANT
	W.M.	WATER METER
	W.V.	WATER VALVE
	WELL	WELL HEAD
D BOUNDARY LINE	③	MANHOLE - UNDETERMINED OWNER
ARY	UTILI	TY COMPANY FACILITIES
	AW-W	ARTESIAN WATER COMPANY
SYMBOLS	——ATT-FO——	AT&T - FIBER OPTIC
- CONCRETE MON.	— com-fo —	COMCAST CABLE - FIBER OPTIC
- IRON PIPE	— EX-CON —	DELDOT MULTIDUCT CONDUIT
WAY BASELINE	— EX-SIG —	DELDOT SIGNAL CONDUIT
WAY	—— DP-E ——	DELMARVA POWER - ELECTRIC
LINE	—— DP-G ——	DELMARVA POWER - GAS
	— NCC-S —	NEW CASTLE COUNTY SEWER
ACCESS	— VER-C —	VERIZON
NIAL OF ACCESS	— VER-FO —	VERIZON - FIBER OPTIC

CONSTRUCTION				
	CONCRETE SAFETY BARRIER - PERMANENT			
×	BIOFILTRATION SWALE			
	BRICK PATTERNED SURFACE			
	BUTT JOINT			
	CLEAR ZONE			
100+00	CONSTRUCTION BASELINE			
——————————————————————————————————————	CONSTRUCTION SAFETY FENCE			
	CURB, TYPE 1 & TYPE 3			
	CURB, TYPE 2			
	CURB & GUTTER, TYPE 1			
	CURB & GUTTER, TYPE 2			
	CURB & GUTTER, TYPE 3			
	CURB & GUTTER, TYPE 4			
	CURB OPENING			
-	DRAINAGE INLET			
×	DITCH			
0 0	FENCE - METAL			
	FENCE - WOOD			
	FLARED END SECTION			
* * *	GUARDRAIL, TYPE 1			
_	GUARDRAIL, TYPE 2			
<u> </u>	GUARDRAIL, TYPE 3			
Cn h	GUARDRAIL END ANCHORAGE			
	GUARDRAIL END TREATMENT, TYPE 1			
••••••	GUARDRAIL END TREATMENT, TYPE 2			
	GUARDRAIL END TREATMENT, TYPE 3			
	IMPACT ATTENUATOR			
	JUNCTION BOX - DRAINAGE			
LO	LATERAL OFFSET			
LOC	LIMIT OF CONSTRUCTION			
MB I	MAILBOX			
•	MANHOLE			
	PAVEMENT PATCH			
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH			
	PIPE & DIRECTIONAL FLOW ARROW			
272420 72420 72420	RIPRAP			
	P.C.C. SIDEWALK - 4"			
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)			
-	UNDERDRAIN			
	UNDERDRAIN OUTLET			
	RIGHT-OF-WAY SYMBOLS			
©	PROPOSED RIGHT-OF-WAY MONUMENT			
—— DA ——	PROPOSED DENIAL OF ACCESS			
PE	PROPOSED PERMANENT EASEMENT			
	PROPOSED RIGHT-OF-WAY			
	PROPOSED R/W & DENIAL OF ACCESS			
——— TCE ———	TEMPORARY CONSTRUCTION EASEMENT			
	I			



PROPOSED SYMBOLS

		OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
		RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
		DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS	
L	JTILIT	Y COMPANY FACILITIES	
— DP-G		DELMARVA POWER - GAS	
— VER-C		VERIZON	
	MIS	CELLANEOUS-EXISTING	
		TRAFFIC I-BEAM SIGN AND POST	
SMW	<u> عالد ـ</u>	STATE MAPPED WETLAND LINE	
ļ]	CASING PIPE	
IN .	MISCE	LLANEOUS - PROPOSED	
	l	CASING PIPE	
ER	OSIO	N & SEDIMENT CONTROL	
<u>SF</u>		SILT FENCE / LENGTH	
——SF—		SILT FENCE	
RSF-		SILT FENCE - REINFORCED	

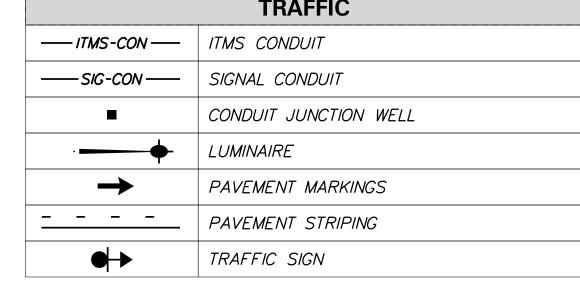
PAVEMENT SECTION(S)

TRAFFIC	
ITMS-CON	ITMS CONDUIT
SIG-CON	SIGNAL CONDUIT
	CONDUIT JUNCTION WELL
· 	LUMINAIRE
→	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

SHRUBBERY

CONIFEROUS TREE

DECIDUOUS TREE





ADDENDUMS / REVISIONS

NOT TO SCALE

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT	BRIDGE NO.	676 / 677		
T001800001	51115 02 1101			
T201809001	DESIGNED BY: CGG			
COUNTY	- DESIGNED DIVE	DESIGNED DI-CGG		
NEW CASTLE	CHECKED BY: BPH			

GENERAL NOTES

- 1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2017, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
- 2. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

()	NONE
(X)	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	ALL PLAN SHEETS, IN PDF FORMAT.
(X)	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
(X)	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	DESIGN FILE, IN .DGN FILE FORMAT, CONTAINING ONLY THE PROPOSED 3D TRIANGLES OF THE PROPOSED DIGITAL TERRAIN MODEL (DTM).

NOTE: THE DOCUMENT ENTITLED "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

3. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

()	CROSS SECTIONS
(,	RIGHT-OF-WAY PLANS (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)

4.	EROSION POTENTIAL FOR THIS PROJECT	CONTRACTOR ESC SUPERVISOR REQUIREMENT
	() INSIGNIFICANT	NONE
	(X) MINOR	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
	() MAJOR	CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTI <mark>ON</mark> 6.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

- 4. THE DISTURBED AREA FOR THIS PROJECT IS 0.2 ACRES.
- THE SEDIMENT AND STORMWATER MANAGEMENT PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS ARE VALID FOR A FIVE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, THE CONTRACTOR WILL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS. THE STORMWATER ENGINEER WILL REVIEW THE CURRENT SEDIMENT AND STORMWATER MANAGEMENT PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

PROJECT NOTES

SECTION 100

- 1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- 2. THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AIRCRAFT VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.

SECTION 200

- 3. ITEMS TO BE REMOVED UNDER ITEM 211000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: a. EXISTING GUARDRAIL
- 4. TEST HOLES (ITEM 204000) ARE TO BE COMPLETED AT APPROXIMATELY STA. 1089+90 LT AND STA. 1093+40 LT ON NB SR 141 TO LOCATE AW-W EX WATER MAIN TO IDENTIFY CROSSING LOCATION WITH PROPOSED DP-G RELOCATION.

SECTION 400

- 5. THE PAVEMENT PATCH SECTION SHALL BE AS FOLLOWS:
 - a. 2" SUPERPAVE TYPE C, PG 64-22, PATCHING (ITEM NO. 401029)
 - b. 3" SUPERPAVE TYPE B, PG, 64-22 PATCHING (ITEM NO. 401030)
 - c. 8" GABC TYPE B, PATCHING (ITEM 301002) d. AS REQUIRED DEPTH, FURNISHING BORROW TYPE C FOR PIPE AND UTILITY TRENCH BACKFILL (ITEM NO. 209005).

SECTION 900

6. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION, UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOICAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

EROSION AND SEDIMENT CONTROL NOTES

- 1. EROSION AND SEDIMENT CONTROL MEASURES ARE SHOWN ON CONSTRUCTION PLANS.
- 2. THE CONTRACTOR SHALL INSTALL INLET PROTECTION ON ALL DRAINAGE INLETS SHOWN ON THE CONSTRUCTION PLANS.
- 3. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES FOLLOWING FINAL VEGETATIVE STABILIZATION OF ENTIRE DISTURBED AREA AND UPON THE APPROVAL OF THE EROSION AND SEDIMENT CONTROL INSPECTOR.
- 4. THE SILT FENCE AND REINFORCED SILT FENCE LINES HAVE BEEN OFFSET FROM THE LIMIT OF CONSTRUCTION FOR PRESENTATION CLARITY, CONTRACTOR SHALL INSTALL ALL PERIMETER CONTROLS (I.E. SF AND SSF) AT THE LIMIT OF CONSTRUCTION.
- 5. THE CONTRACTOR SHALL EMPLOY INCRIMENTAL STABILIZATION PRACTICES WHEN CONSTRUCTING EMBANKMENT SLOPES AS PER SECTION 907 OF THE SUPPLEMENTAL SPECIFICATIONS AND AS SHOWN ON STD DETAIL E-11.
- 6. TEMPORARY SLOPE DRAINS (ITEM NO. 907015) ARE TO BE PLACED DURING CONSTRUCTION OF EMBANKMENT SLOPES AS NEEDED OR AS DIRECTED BY THE ENGINEER AS PER SECTION 907 OF THE SUPPLEMENTAL SPECIFICATIONS AND AS SHOWN ON STD DETAIL E-10.

EROSIO	N & SEDIMENT CONTROL
—— CFL——	COMPOST FILTER LOG
- OWBAG -	DEWATERING BAG
- DWB	DEWATERING BASIN
ED /	EARTH DIKE
[INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
<u></u>	PORTABLE SEDIMENT TANK
SBD	SANDBAG DIKE
SB	SANDBAG DIVERSION
(************************************	STONE CHECK DAM
SCE SCE	STABILIZED CONSTRUCTION ENTRANCE
<u>SF</u>	SILT FENCE / LENGTH
——SF——	SILT FENCE
RSF	SILT FENCE - REINFORCED
SP	SUMP PIT
<u>\$1</u>	SEDIMENT TRAP / NUMBER
	SEDIMENT TRAP
	SEDIMENT TRAP WITH INLET AS OUTLET
<u>Q</u> -	SEDIMENT TRAP PIPE OUTLET
SW	STILLING WELL
——/——I	TEMPORARY SWALE
<i>TSD</i>	TEMPORARY SLOPE DRAIN
TXXX	TURBIDITY CURTAIN / LENGTH
—— <i>T</i> ——	TURBIDITY CURTAIN

EARTHWORK SUMMARY	
EXCAVATION	
FROM CROSS SECTIONS	650 C.Y.
FROM OTHER SOURCES (SEE NOTE 1)	-
TOTAL EXCAVATION	650 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
TOTAL EXCAVATION	650 C.Y.
LESS UNSUITABLE EMBANKMENT MATERIAL (SEE NOTE 2)	650 C.Y.
SUBTOTAL EXCAVATION AVAILABLE FOR EMBANKMENT	0 C. Y.
LESS DENSIFICATION (20%)	0 C. Y.
TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT	0 C. Y.
EXCAVATION MEETING BORROW TYPE 'A'	0 C. Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C. Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'C'	1,442 C.Y.
CUT/FILL BALANCE (+ = EXCESS, - = NEED)	
BORROW TYPE 'C'	-1,442 C.Y
TOPSOIL BALANCE (+ = EXCESS, - = NEED)	
TOPSOIL REMOVED FROM SITE (IN CUT & FILL)	1,945 C.Y.
LESS UNSUITALBLE TOPSOIL (75%)	1,945 C.Y.
AVAILABLE TOPSOIL FOR REUSE	0 C. Y. = 0 S. Y.
TOPSOIL REOUIRED	11,667 S.Y.
TOPSOIL BALANCE	-11,667 S.Y.
NOTES: 1) THE VALUES LISTED IN THE EARTHWORK SUMMARY AF AND ARE NOT TO BE USED AS A BASIS OF PAYMENT.	

- SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.
- 2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.
- 3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT. ETC.

DELAWARE DEPARTMENT OF TRANSPORTATION ADDENDUMS / REVISIONS

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT BRIDGE NO. 676 / 677 T201809001 DESIGNED BY: CGG COUNTY CHECKED BY: BPH NEW CASTLE

NOTES

DTAL SHTS 20

NOT TO SCALE

LEGEND

(A) ITEM 209004 - BORROW, TYPE C, OR PROJECT EXCAVATION MEETING THE REQUIREMENTS OF BORROW, TYPE C

B ITEM 908004 - TOPSOIL, 6" DEPTH
ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND

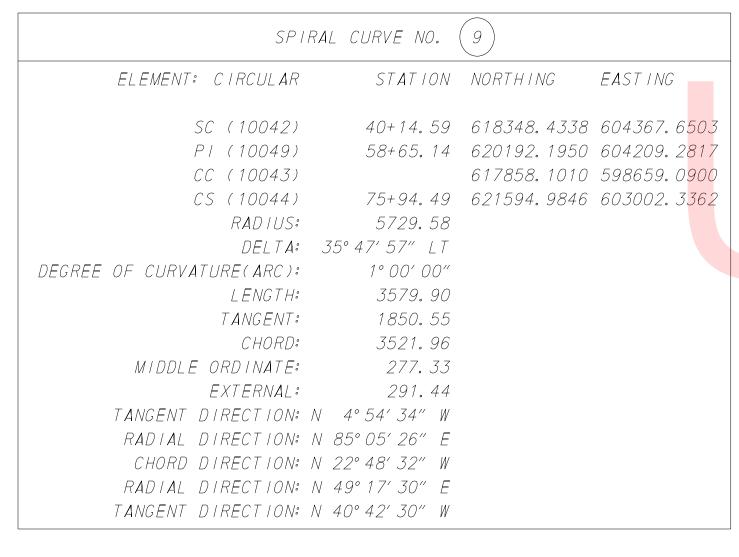
© ITEM 908020 - EROSION CONTROL BLANKET MULCH

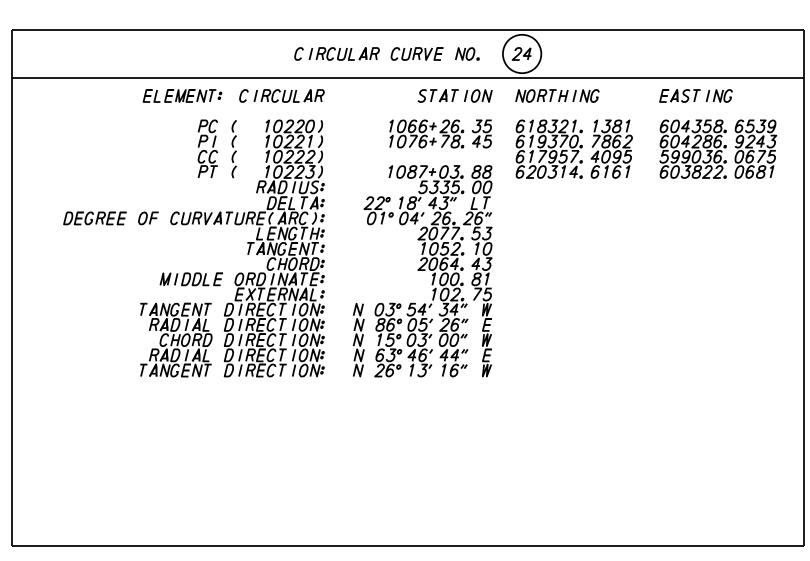
NOTES:

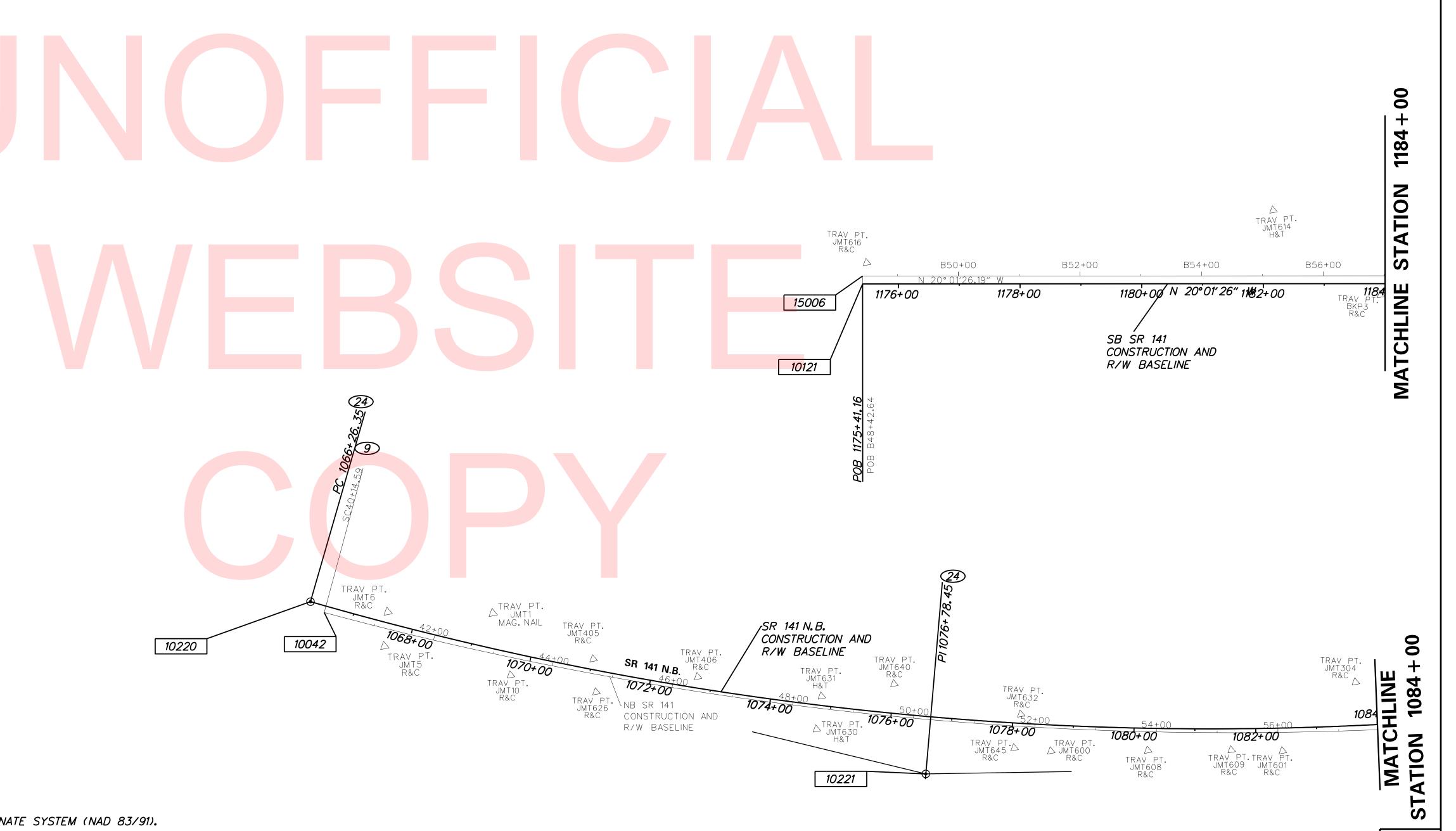
- 1. EXISTING NB & SB SR 141 IS VARIABLE DEPTH HOT-MIX OVER A VARIABLE DEPTH OF CONCRETE. SHOULDERS ARE VARIABLE DEPTH HOT-MIX.
- 2. SEE CONSTRUCTION DETAILS FOR BENCHING OF EMBANKMENT SLOPES.

MATERIAL	LIF I THI	CKNESS
WATENIAL	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1. 25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	3"	8"

						TS-01	
	ADDENDUMS / REVISIONS			CONTRACT BRIDGE NO. 676 / 677		SHEET NO.	ĺ
DELAWARE			SR 141 UTILITY RELOCATION	T201809001	TYPICAL SECTIONS	5	
DEPARTMENT OF TRANSPORTATION		NOT TO SCALE	UNDER SOUTHBOUND 1-95	COUNTY	TYPICAL SECTIONS	TOTAL SHTS.	
		-		NEW CASTLE CHECKED BY: BPH		20	1







DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).

ADDENDUMS / REVISIONS

VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

DELAWARE DEPARTMENT OF TRANSPORTATION

FEET

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

10221

676 / 677 BRIDGE NO. T201809001 DESIGNED BY: CGG COUNTY NEW CASTLE CHECKED BY: BPH

HORIZONTAL AND **VERTICAL CONTROL**

CONSTRUCTION ALIGNMENT CONTROL

PO I NT

10121

15006

STATION

1175+41.16

B48+42.64

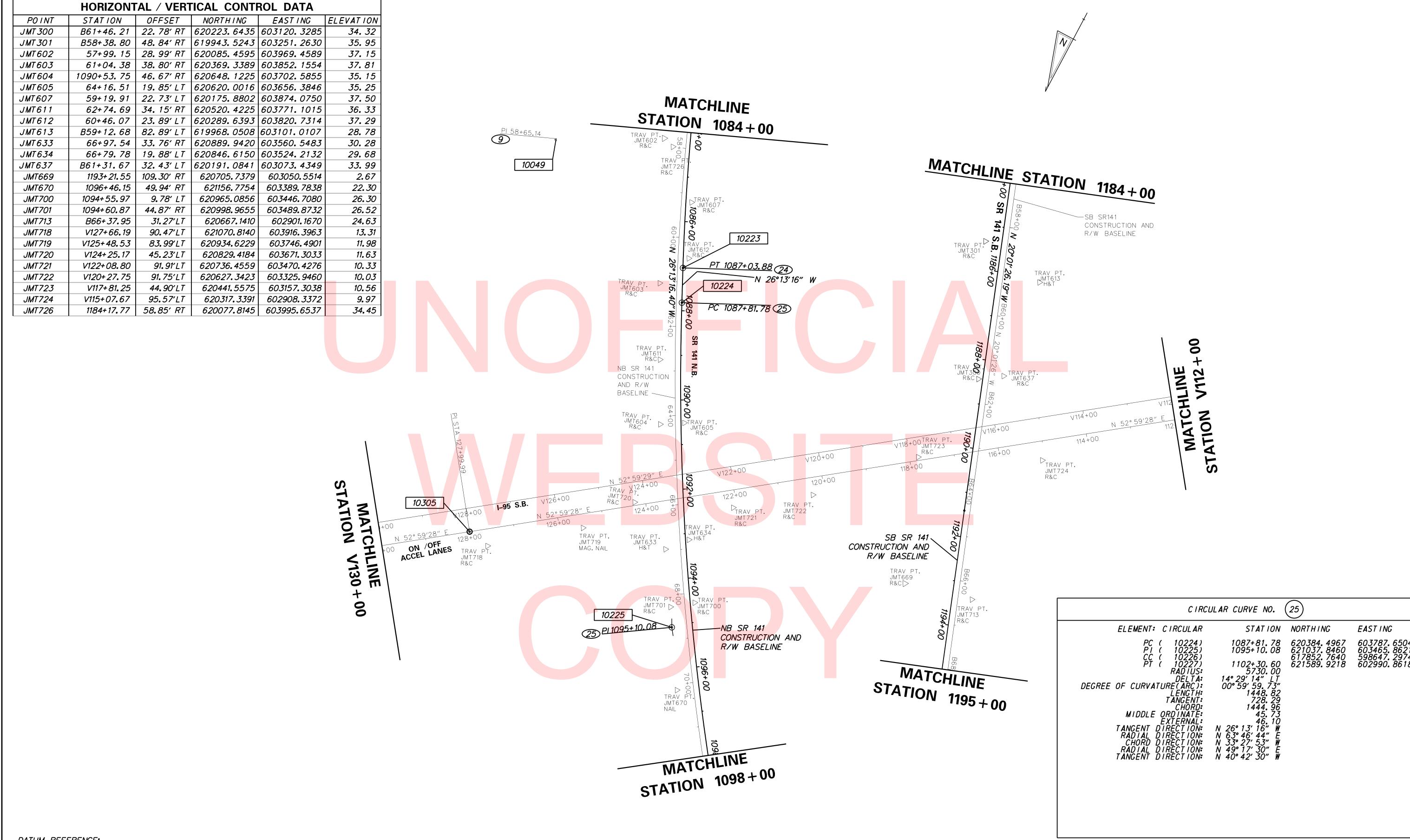
OFFSET NORTHING

0.00 618995.5468 603557.4918

0.00 618991.0765 603545.2846

EASTING

HV-01 TAL SHTS 20



DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).

VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

	ADDENDUMS / REVISIONS			
DELAWARE			SCALE	
		0	100 200	
DEPARTMENT OF TRANSPORTATION			FEET	

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

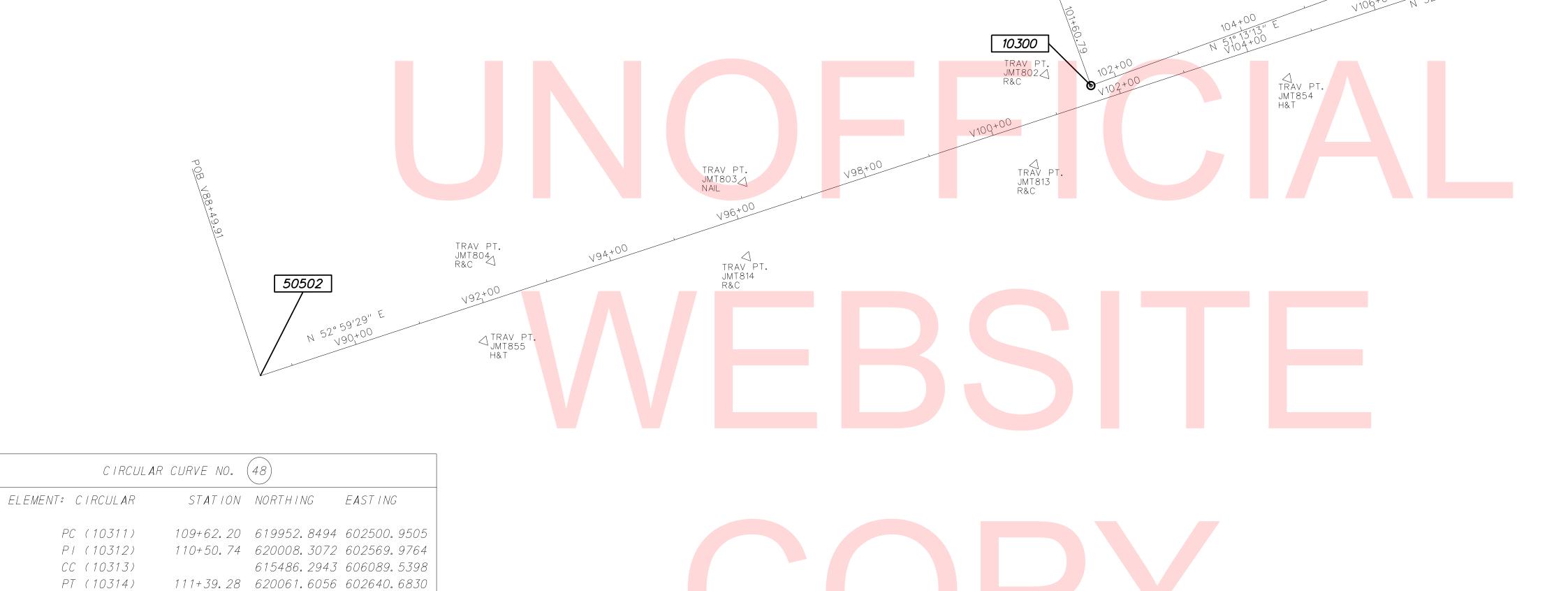
676 / 677 BRIDGE NO. T201809001 DESIGNED BY: CGG COUNTY NEW CASTLE CHECKED BY: BPH

HORIZONTAL AND **VERTICAL CONTROL**

DTAL SHTS 20

HV-02

CONSTRUCTION ALIGNMENT CONTROL						
POINT STATION OFFSET NORTHING EASTING						
10300	101+60.79	0.00	619450. 9049	601876. 2028		
<i>50502</i>	V88+49.91	0.00	618641. 2137	<i>600843. 5240</i>		



DEGREE OF CURVATURE(ARC): 1° 00′ 00″ LENGTH: 177.08 TANGENT: 88. 54 177.07 CHORD: 0.68 MIDDLE ORDINATE: 0.68 EXTERNAL: TANGENT DIRECTION: N 51° 13' 13" E RADIAL DIRECTION: S 38° 46′ 47" E CHORD DIRECTION: N 52° 06′ 21″ E RADIAL DIRECTION: S 37° 00′ 32″ E TANGENT DIRECTION: N 52° 59′ 28″ E

DELT**A:** 1° 46′ 15″ RT

5729. 58

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).

VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

PT (10314)

RAD IUS:

DELAWARE	
DEPARTMENT OF TRANSPORTATION	
DEPARTIMENT OF TRANSPORTATION	

ADDENDUMS / REVISIONS

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

TRAV PT. JMT801 NAIL∠

676 / 677 BRIDGE NO. T201809001 DESIGNED BY: CGG COUNTY NEW CASTLE CHECKED BY: BPH

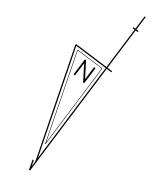
10312

TRAV F JMT730

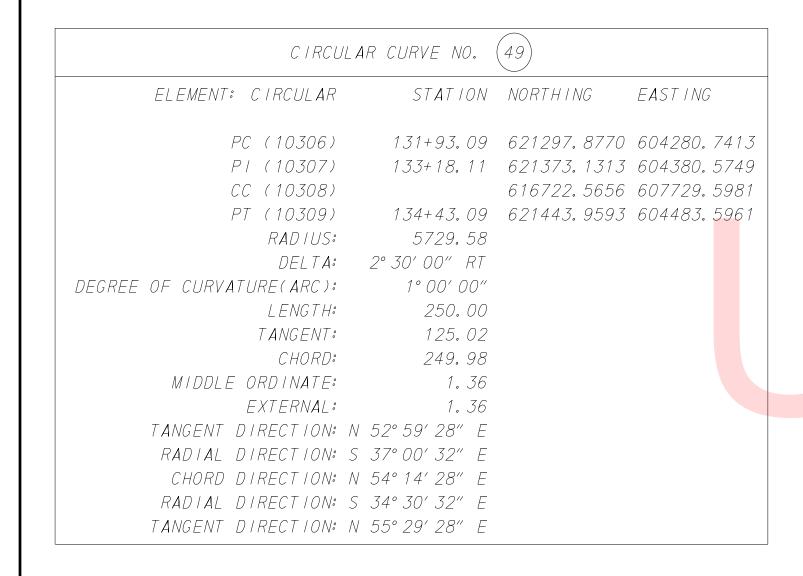
HORIZONTAL AND **VERTICAL CONTROL**

SHEET NO. OTAL SHTS 20

HV-03



CONSTRUCTION ALIGNMENT CONTROL						
PO INT	STATION	OFFSET	NORTHING	EASTING		
50500	V143+14.41	0.00	<i>621930. 4962</i>	<i>605207. 1670</i>		



SOSSO LOS S.B.

TOUR DE LOS S.

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VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE

O 100 200 3

FEET

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT
BRIDGE NO. 676 / 677

T201809001
COUNTY

DESIGNED BY: CGG

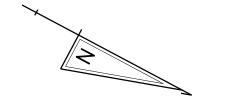
NEW CASTLE
CHECKED BY: BPH

HORIZONTAL AND VERTICAL CONTROL

SHEET NO.

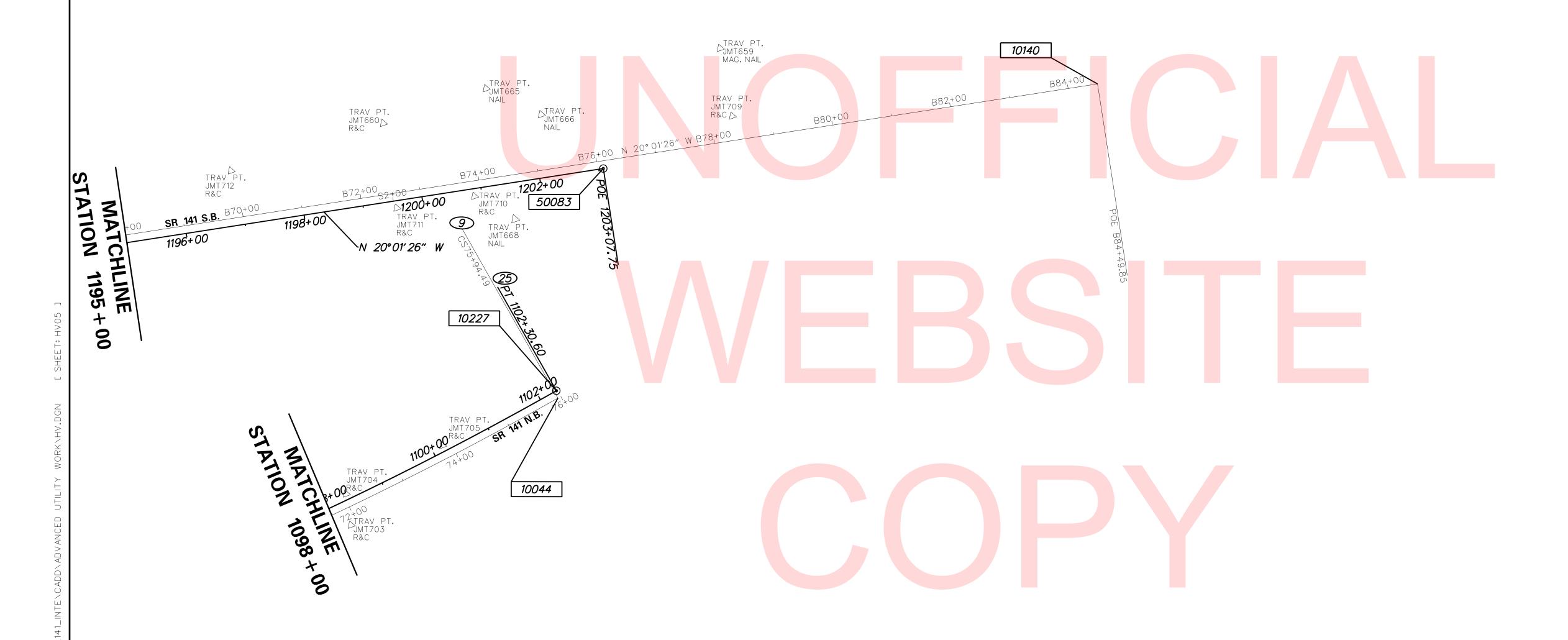
9
Total Shts.
20

CONSTRUCTION ALIGNMENT CONTROL						
PO INT	STATION	OFFSET	NORTHING	EASTING		
10140	B84+49.85	0.00	<i>622380. 2139</i>	<i>602310. 1354</i>		
50083	<i>1203+07.75</i>	0.00	621594. 8965	<i>602610.1757</i>		



HORIZONTAL / VERTICAL CONTROL DATA							
PO INT	STATION	OFFSET	NORTHING	EAST ING	ELEVATION		
JMT659	<i>B78+33.74</i>	156.18′ LT	<i>621747.8741</i>	<i>602374.3641</i>	7.67		
JMT660	<i>B72+56.28</i>	118.68′ LT	<i>621218.1609</i>	602607.3170	14.25		
JMT665	<i>B74+35.50</i>	149.71′ LT	621375.9248	602516 . 8011	7.66		
JMT666	<i>B75+20.34</i>	92.41′ LT	621475.2557	602541.5852	10.76		
JMT668	B74+49 . 81	74.16′ RT	621466.0187	602722.2352	14.03		
JMT703	1098+22.69	40.88' RT	621295.8943	<i>603278.4828</i>	18.74		
JMT704	1098+37.76	9.74′ LT	621277.7572	603228.8678	17.92		
JMT705	1100+18.97	10.41′ LT	621420.4922	603117.7601	16.63		
JMT709	<i>B78+36.37</i>	40.79′ LT	<i>621789.8525</i>	602481.8739	<i>13.15</i>		
JMT710	<i>B73+88.60</i>	25.63' RT	<i>621391.8901</i>	602697.5974	16.19		
JMT711	<i>B72+56.81</i>	25.17' RT	621267.9134	602742.2942	16.76		
JMT712	B69+91.73	79.21′ LT	<i>620983.1233</i>	602734.9899	16.69		

26.78



DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).

VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

DELAWARE	
DELAWARE DEPARTMENT OF TRANSPORTATION	L
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	ADDENDUMS / REVISIONS				
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SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT	BRIDGE NO.	676 / 677	
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T201809001	DESIGNED BY: CGG		
COUNTY	DESIGNED BIGG	,,,,,,	
EW CASTLE	CHECKED BY: E	3PH	

HORIZONTAL AND VERTICAL CONTROL

HV-05

SHEET NO.

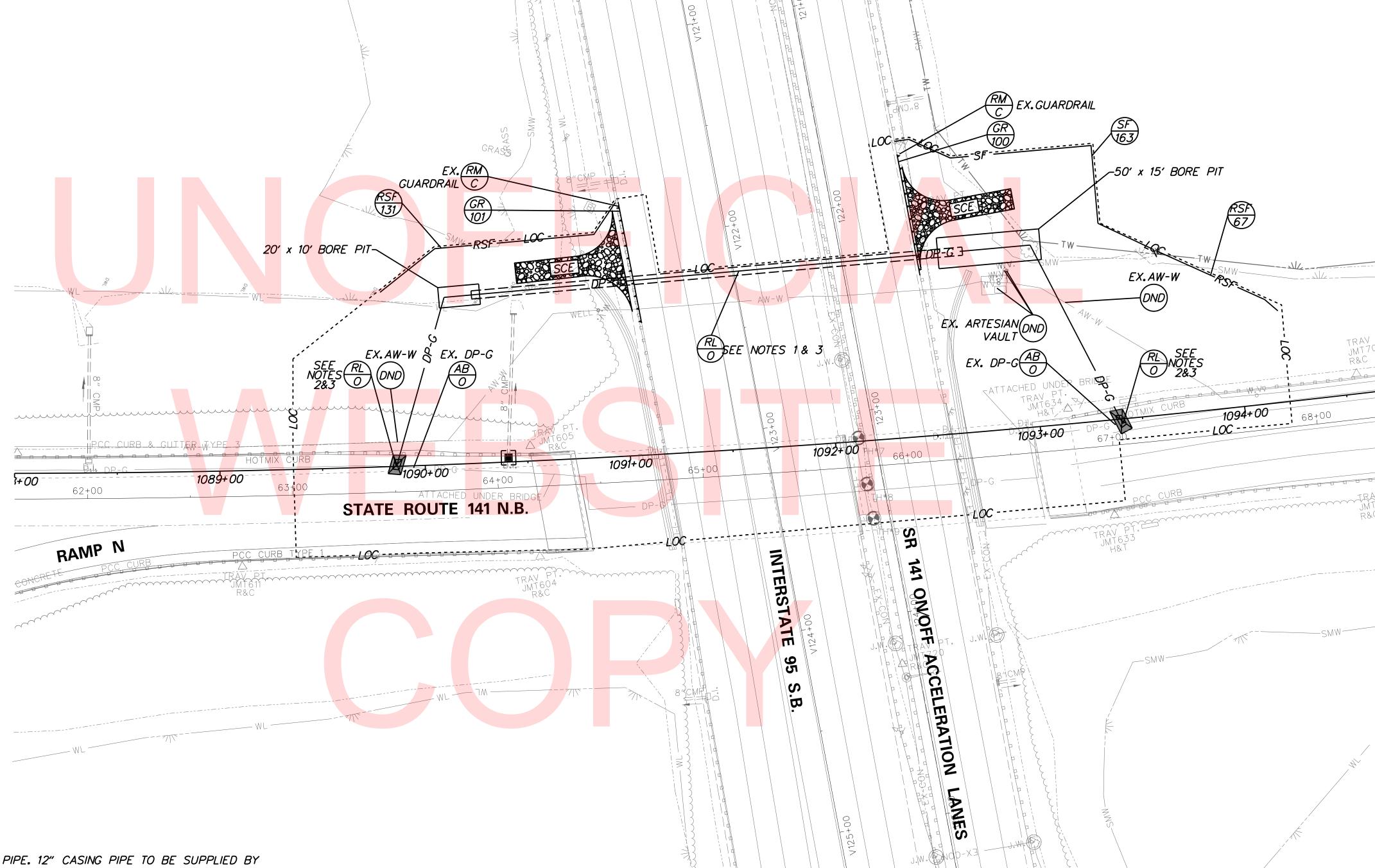
10

TOTAL SHTS.

20

*STATION/OFFSET DETERMINED BY LIMITS OF REMOVAL BY CONTRACTOR NECCESARY FOR ACCESS

GUARDRAIL WILL BE PAID UNDER ITEM 720021, BUT SHALL BE 27" HEIGHT TO MATCH EXISTING CONDITION.



NOTES:

- 1. STATE'S CONTRACTOR TO JACK AND BORE 12" CASING PIPE. 12" CASING PIPE TO BE SUPPLIED BY DELMARVA POWER - GAS. ACCESS TO JACK AND BORE PITS SHALL BE FROM SOUTHBOUND 1-95 AND SR 141 ON/OFF ACCELERATION LANES. UTILIZE TA-5 TO CLOSE SHOULDERS AND REMOVE GAURDRAIL. REMOVE GUARDRAIL AS NEEDED FOR ACCESS UP TO 60' WIDE.
- 2. STATE'S CONTRACTOR TO CONSTRUCT EMBANKMENT SLOPES (SEE TYPICAL SECTIONS, GRADES & GEOMETRICS, AND CONSTRUCTION DETAILS).
- 3. DELMARVA POWER-GAS TO INSTALL GAS MAIN AND TIE-IN'S TO EXISTING MAIN ON NB SR 141 UTILIZING TA-33 (9AM - 3PM) AFTER STATE'S CONTRACTOR COMPLETES CASING INSTALLATION.

	ADDENDUMS / REVISIONS			CONTRACT	BRIDGE NO. 676 / 677
DELAWARE		SCALE	SR 141 UTILITY RELOCATION	T201809001	5.10.52 No.
		0 30 60 90		COLINITY	DESIGNED BY: CGG
DEPARTMENT OF TRANSPORTATION		FEET	UNDER SOUTHBOUND 1–95	COUNTY	OUEDVED DV DDV
	I			NEW CASTLE	CHECKED RA: RLH

CP-01

CONSTRUCTION PLAN 20 *STATION/OFFSET DETERMINED BY LIMITS OF REMOVAL BY CONTRACTOR NECCESARY FOR ACCESS

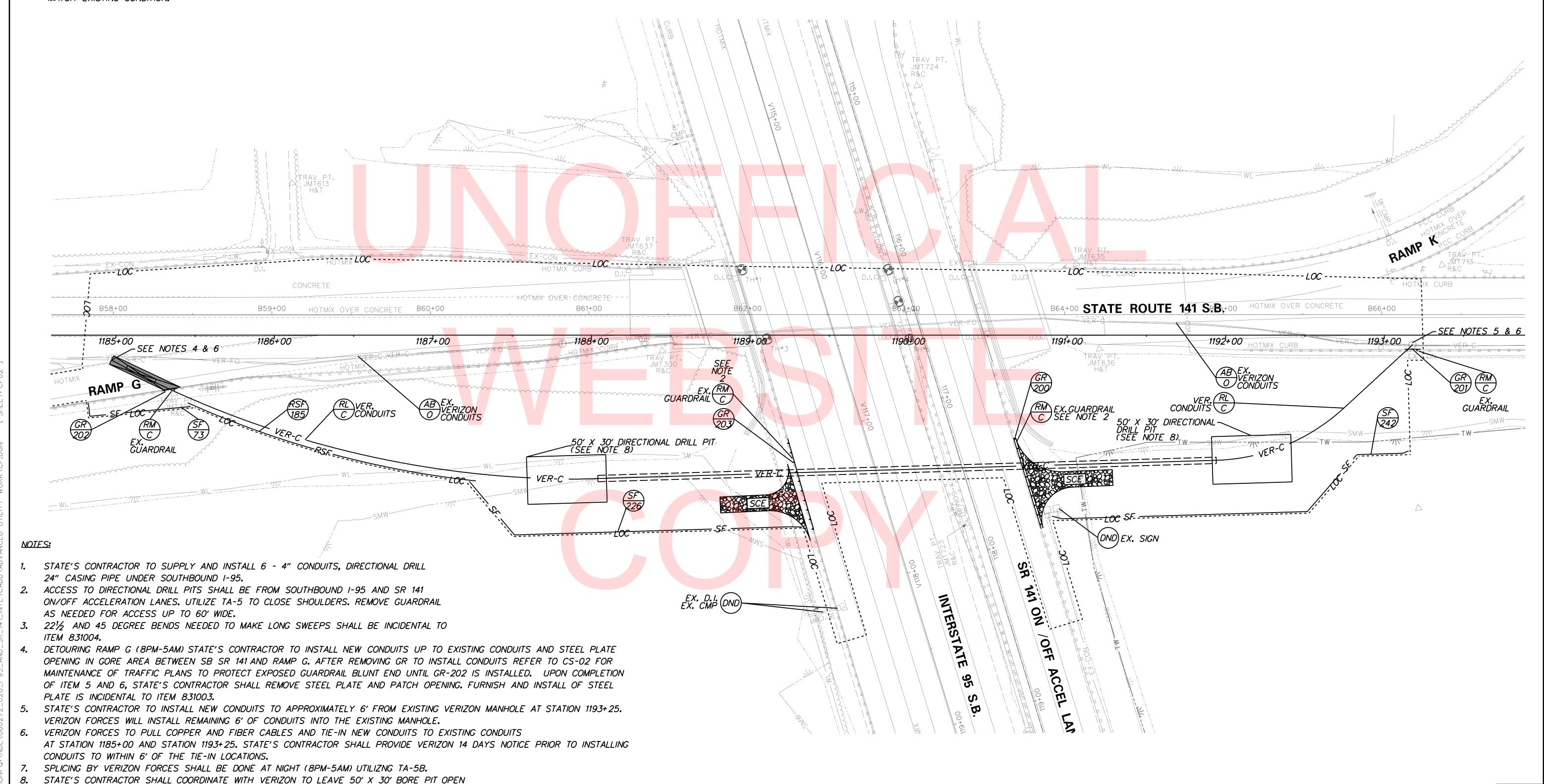
GUARDRAIL WILL BE PAID UNDER ITEM 720021, BUT SHALL BE 27" HEIGHT TO MATCH EXISTING CONDITION.

FOLLOWING COMPLETION OF DIRECTIONAL DRILLING OPERATION TO ALLOW VERIZON TO PULL

DELAWARE

DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



FEET

CP-02

TAL SHTS

20

CONSTRUCTION PLAN

676 / 677

BRIDGE NO.

DESIGNED BY: CGG

CHECKED BY: BPH

T201809001

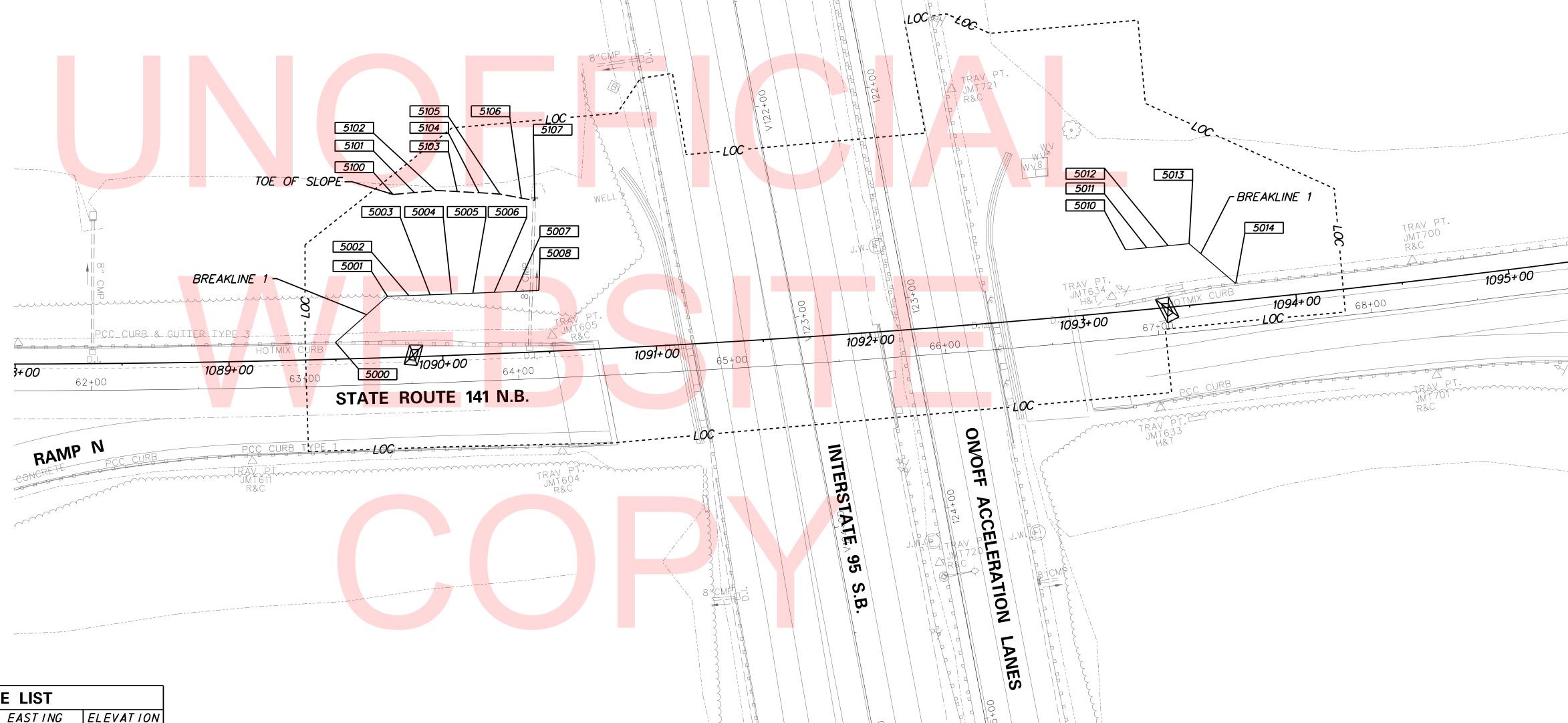
NEW CASTLE

SR 141 UTILITY RELOCATION

UNDER SOUTHBOUND I-95

FLOTIED BY

COPPER CABLE.



	TOE	OF SLOP	E COORDINA	ATE LIST	
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
5100	1089+79.28	- <i>76.12</i>	620524.1705	<i>603630. 2646</i>	7.87
5101	1089+89.44	- <i>76.67</i>	<i>620532. 7417</i>	<i>603625. 0372</i>	7. 43
<i>5102</i>	1089+99.60	- <i>77. 21</i>	620541.3086	<i>603619. 8009</i>	<i>6.</i> 99
5103	1090+09.72	- <i>76.40</i>	<i>620550. 4648</i>	<i>603615. 7574</i>	<i>7. 35</i>
5104	1090+20.00	- <i>75.</i> 49	<i>620559. 8106</i>	603611.7041	<i>7. 73</i>
5105	1090+29.92	-74.40	<i>620568. 9260</i>	<i>603607. 9717</i>	<i>8. 22</i>
5106	1090+39.96	- <i>72.</i> 06	<i>620578. 7391</i>	<i>603605. 2580</i>	<i>9.</i> 45
5107	1090+46.19	-70 . 80	620584. 7429	<i>603603. 3918</i>	10.10

NOTE: TOE OF SLOPE COORDINATES PROVIDED TO MARK WHERE DE NO. 57 STONE SHALL BE PLACED. REFERENCE CONSTRUCTION DETAILS.

	DELAWARE DEPARTMENT OF TRANSPORTATION	
	DEFAITMENT OF THAIROFORTATION	

ADDENDUMS	/ REVISIONS					
				SCALE		
		0_	3	0	60	9
				FEET		

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

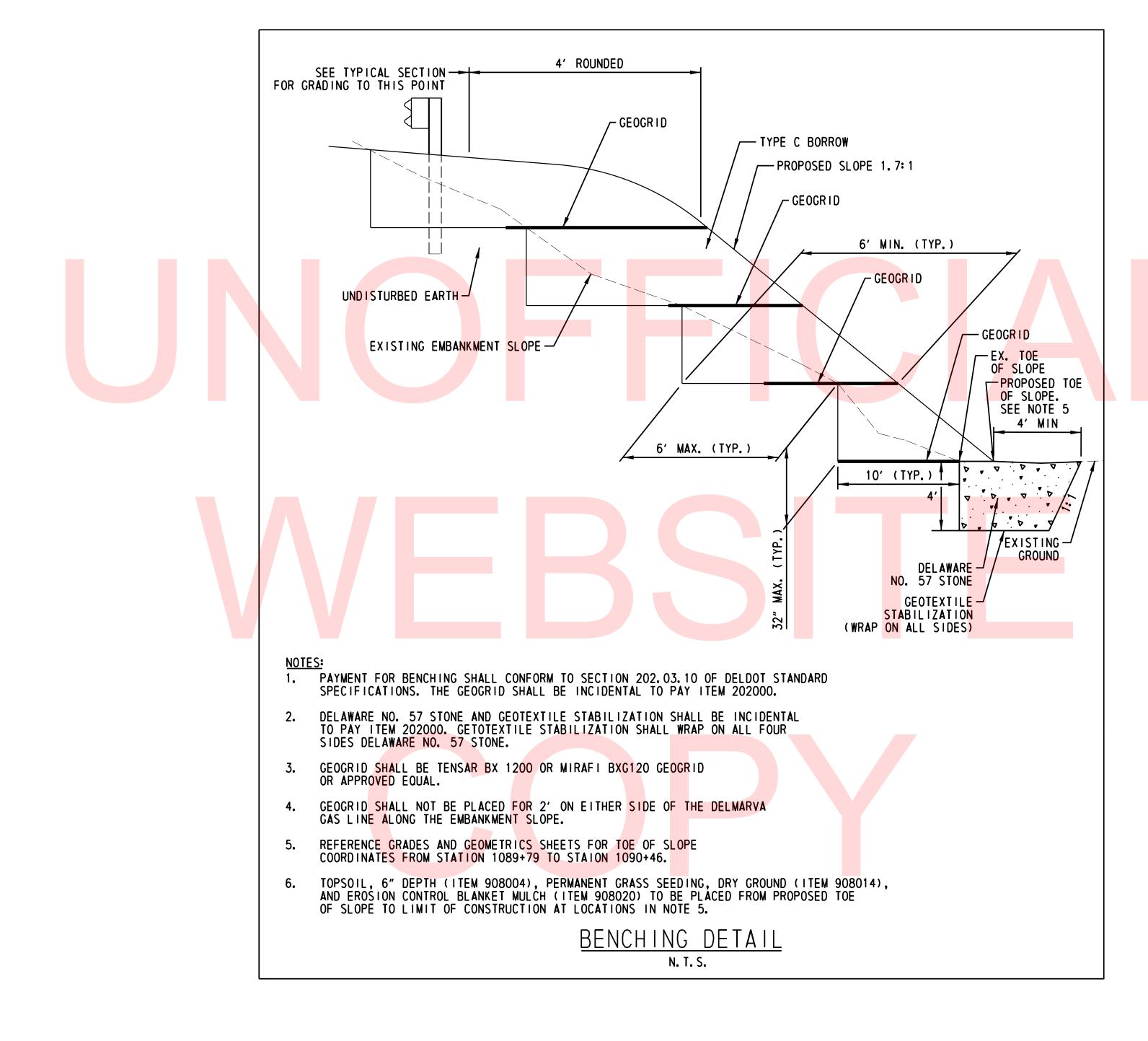
ITRACT	BRIDGE NO.	676 / 677							
800001	51115 62 1101	0.0.							
809001	DECICNED DV. CCC								
UNTY	DESIGNED BIGG	DESIGNED BY: CGG							
CASTLE	CHECKED BY: BPH								

NEW

GRADES AND GEOMETRICS

20

GG-01



DT-01 ADDENDUMS / REVISIONS CONTRACT BRIDGE NO. 676 / 677 **DELAWARE** SR 141 UTILITY RELOCATION T201809001 NOT TO SCALE CONSTRUCTION DETAILS DESIGNED BY: CGG DEPARTMENT OF TRANSPORTATION UNDER SOUTHBOUND I-95 TAL SHTS COUNTY NEW CASTLE CHECKED BY: BPH 20

ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

- A. THE PURPOSE OF THESE SHEETS ARE 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. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, THE ENVIRONMENTAL STUDIES SECTION SHALL BE CONTACTED AT (302) 760-2264 TO ALLOW THEM TO COORDINATE WITH THE APPROPRIATE AGENCIES FOR APPROVAL.
- C. USE OF THESE SHEETS DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

2. NATURAL RESOURCES:

A. PERMIT REQUIREMENTS / APPROVALS*

CORPS - NWP 3 (NO PCN)

DNREC WLSL - PERMIT MODIFICATION TO WE-271/15 (PENDING)**

DNREC WQC & CZM - ISSUED

NCC DEPT. OF LAND USE - N/A (ALL IMPACTS TEMPORARY)

- * THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING/OBTAINING THIS APPROVAL.
- ** THE CONTRACTOR MUST ENSURE THAT THESE PERMITS/APPROVALS (CORPS, DNREC WLSL, WQC & CZM, NCC)

 ARE IN THEIR POSSESSION PRIOR TO BEGINNING CONSTRUCTION IN THE PERMITTED AREA(S) AND ENSURE THEY ARE DISPLAYED

 ON-SITE DURING THE ENTIRE CONSTRUCTION PERIOD.
- B. CONSTRUCTION RESTRICTIONS: VARIOUS TIME OF YEAR RESTRICTIONS OCCUR BETWEEN MARCH 15 JULY 31, AS FOLLOWS:
 FISHERIES ANY IN-WATER WORK THAT BLOCKS UPSTREAM FISH PASSAGE SHALL BE AVOIDED FROM MARCH 15 JUNE 30.
 ENDANGERED SPECIES NONE

MIGRATORY BIRDS (SONG BIRDS) - TO MINIMIZE DISTURBANCE TO NES<mark>TING BIRDS W</mark>ITHIN T<mark>HE</mark> PROJECT <mark>ARE</mark>A, THE REMOVAL OF VEGETATION SHOULD BE AVOIDED BETWEEN APRIL 1 - JULY 31ST.

3. CULTURAL RESOURCE ISSUES:

A. THE PROJECT IS CONSISTENT WITH THE ADVISORY COUNCIL ON HISTORIC PRESERVATION EXEMPTIONS REGARDING HISTORIC PRESERVATION REVIEW FOR EFFECTS TO THE INTERSTATE HIGHWAY SYSTEM (FEDERAL REGISTER VOLUME 70, NUMBER 46 - THURSDAY, MARCH 10, 2005, PP. 11928 - 11931).

AS SUCH, THE PROJECT WAS REVIEWED AND DETERMINED BY ENVIRONMENTAL STUDIES QUALIFIED STAFF WHEREBY NO CULTURAL RESOURCES ISSUES WOULD EXIST. NO SPECIAL PROVISIONS ARE NECESSARY. HOWEVER, THE CONFINED LOC AND/OR OTHER GEOGRAPHIC LIMITS AS DEFINED IN THE DESIGN PLANS OR SPECIAL PROVISIONS SHALL REMAIN. CHANGES IN LOC LIMITS AND SCOPE WILL BE COORDINATED BACK WITH THE ENVIRONMENTAL STUDIES OFFICE TO DETERMINE THE CONSISTENCY THAT THE PROJECT IS STILL FOLLOWING THE FEDERAL REGISTER NOTICE.

4. PROTECTION OF RESOURCES:

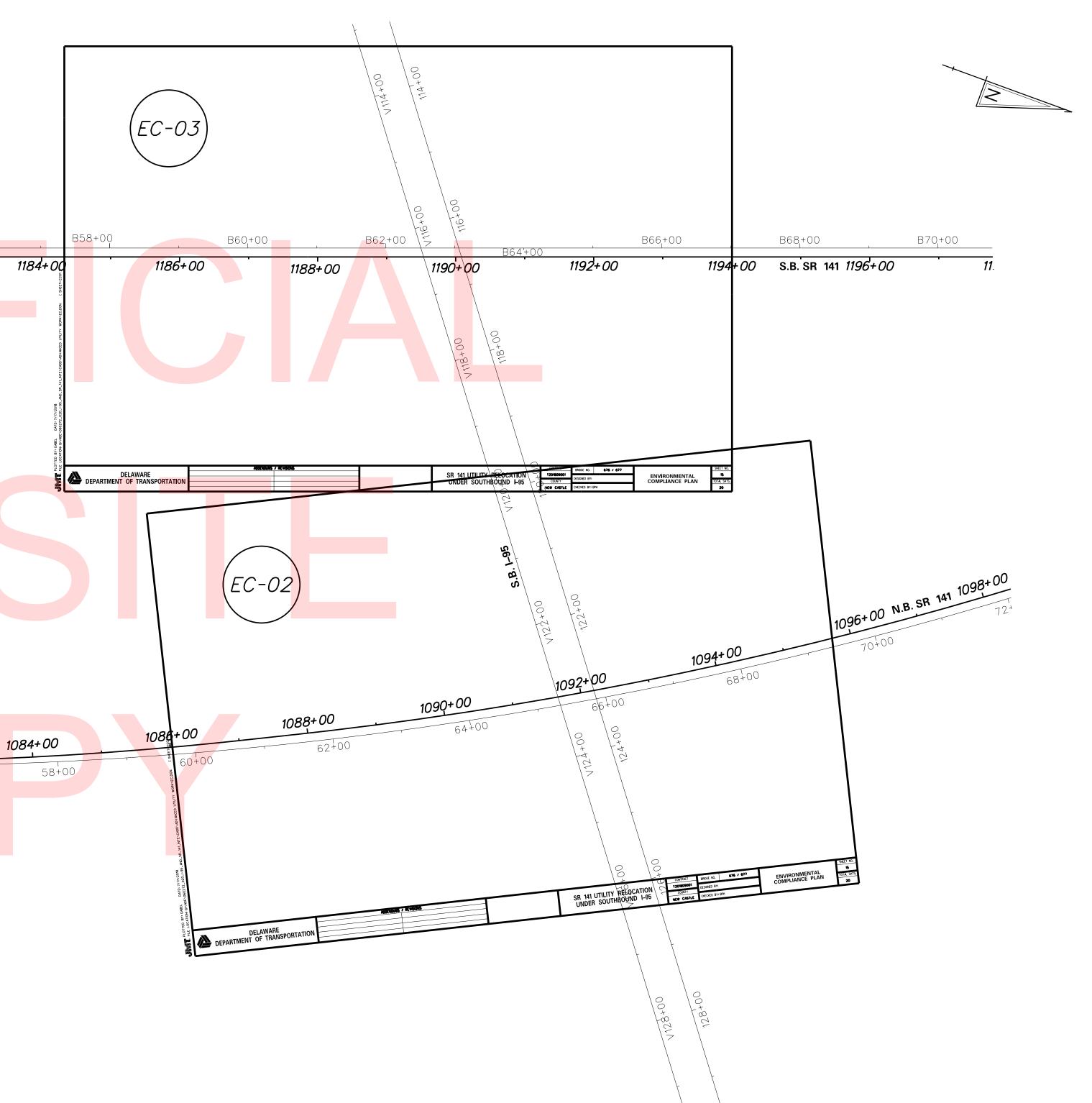
- A. WETLAND AND STREAM RESOURCES OCCUR WITHIN AND IN THE VICINITY OF THE PROJECT. ACCESS INTO THESE RESOURCE AREAS WHICH IS NOT SPECIFICALLY AUTHORIZED BY THE ACOE AND DNREC PERMITS (AS ILLUSTRATED ON THESE ENVIRONMENTAL COMPLIANCE SHEETS) IS STRICTLY PROHIBITED.
- B. SILT FENCE/REINFORCED SILT FENCE SHALL BE USED ALONG THE LIMITS OF CONSTRUCTION IN ALL AREAS WHERE WATER/WETLANDS ARE
 BEING IMPACTED AND ALSO IN ANY AREA WHERE WATER/WETLANDS EXIST WITHIN 20 FEET OF THE LOC (AS SHOWN ON THE ENVIRONMENTAL COMPLIANCE PLANS). CONTRACTOR ACCESS BEYOND THE LOC IS STRICTLY PROHIBITED.
- C. CLEARING IN WETLAND AREAS SHALL BE KEPT TO A MINIMUM ABSOLUTELY NECESSARY FOR CONSTRUCTION ACCESS. ALL EQUIPMENT TRAVERSING
 WETLANDS AND SUBAQUEOUS LAND SHALL BE SUPPORTED ON MATS. IN WETLAND AREAS THAT ARE CLEARED, THERE SHALL BE NO GRUBBING.
 VEGETATION SHALL BE CUT FLUSH WITH THE GROUND, I.E. NO DISTURBANCE OF THE ROOT MAT. TEMPORARILY DISTURBED WETLAND AREAS SHALL BE
 RESTORED TO GRADE AND SEEDED WITH PERMANENT GRASS SEEDING DRY GROUND, (PAYMENT UNDER ITEM 908014). ACCESS TO RESOURCE AREAS WHICH
 IS NOT SPECIFICALLY AUTHORIZED BY THE ACOE AND DNREC PERMITS (AS ILLUSTRATED ON THE ENVIRONMENTAL COMPLIANCE SHEET) IS STRICTLY PROHIBITIED.

ADDENDUMS / REVISIONS

ENV I RONMENT AL COMPL I ANCE	02	03
CONSTRUCTION PLAN	11	12

B56+00

TOTAL TEMPORARY WETLAND IMPACTS													
SHEET	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION								
EC-02	USACE IMPACTS	<i>5052. 42</i>	0.1160	N/A	USACE								
EC-02	DNREC IMPACTS	3719.94	0.0854	<i>137. 77</i>	DNREC								
EC-03	USACE IMPACTS	15619 . 25	0 . 3586	N/A	USACE								
EC-03	DNREC IMPACTS	12427. 42	0 . 2853	460. 27	DNREC								
ALL	TOTAL DNREC IMPACTS	16147. 36	0. 3707	598.04	DNREC								
ALL	TOTAL USACE IMPACTS	20674.93	0. 4747	N/A	USACE								



THIS PROJECT FALLS WITHIN DNREC MAP 401. DNREC MAP 401 WAS REVISED PER MAP CHANGE MC-164/15 (ASSOCIATED MC 181-13), APPROVED ON JULY 22, 2015.

WETLANDS DELINEATED BY MCCORMICK TAYLOR. ON VARIOUS DATES FROM FEBRUARY 2012 TO OCTOBER 2016 IN ACCORDANCE WITH THE 1987 USACE WETLAND DELINEATION MANUAL AND ATLANTIC AND GULF COASTAL REGIONAL SUPPLEMENTS.

SHEETS PREPARED BY: JOHNSON, MIRMIRAN & THOMPSON, INC. DATE: MARCH 5, 2018

SHEETS LAST UPDATED: JUNE 25,2018

DELAWARE DEPARTMENT OF TRANSPORTATION

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT
BRIDGE NO. 676 / 677

T201809001
COUNTY

DESIGNED BY: KJA

CHECKED BY: BPH

ENVIRONMENTAL COMPLIANCE PLAN

SHEET NO.

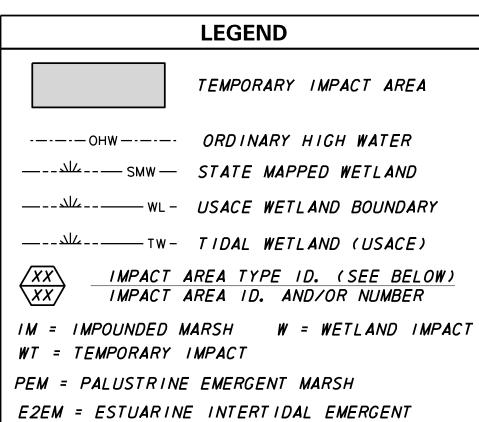
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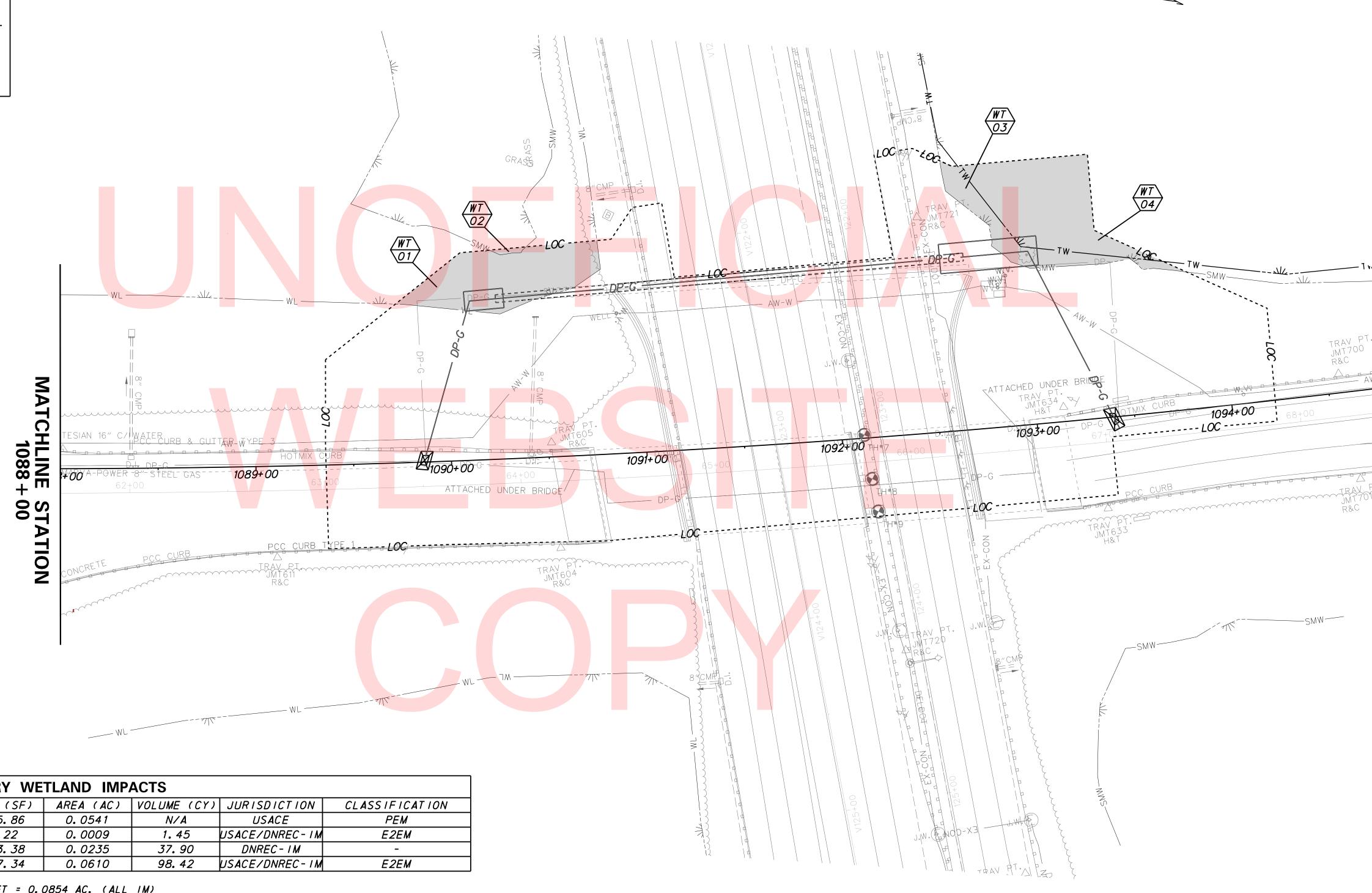
TOTAL SHTS

20

EC-01

N No FILE LOCATI





TEMPORARY WETLAND IMPACTS IMPACT DESCRIPTION AREA (SF) 2-WT-01 UTILITY RELOCATIONS *2355.86* 2-WT-02 UTILITY RELOCATIONS *39. 22* 2-WT-03 UTILITY RELOCATIONS 1023**.** 38 2-WT-04 UTILITY RELOCATIONS *2657. 34*

TOTAL DNREC TEMPORARY IMPACTS FOR THIS SHEET = 0.0854 AC. (ALL IM) TOTAL USACE TEMPORARY IMPACTS FOR THIS SHEET = 0.1160 AC. (O.0619 E2EM)

NOTE:

IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH DELMARVA POWER-GAS UTILITY RELOCATIONS ADJACENT TO BRIDGE 1-676. DELDOT'S STATE CONTRACTOR WILL PERFORM ANY CLEARING/DISTURBANCE/RESTORATION WITHIN THE STATE REGULATED WETLANDS.

DELAWARE DEPARTMENT OF TRANSPORTATION	
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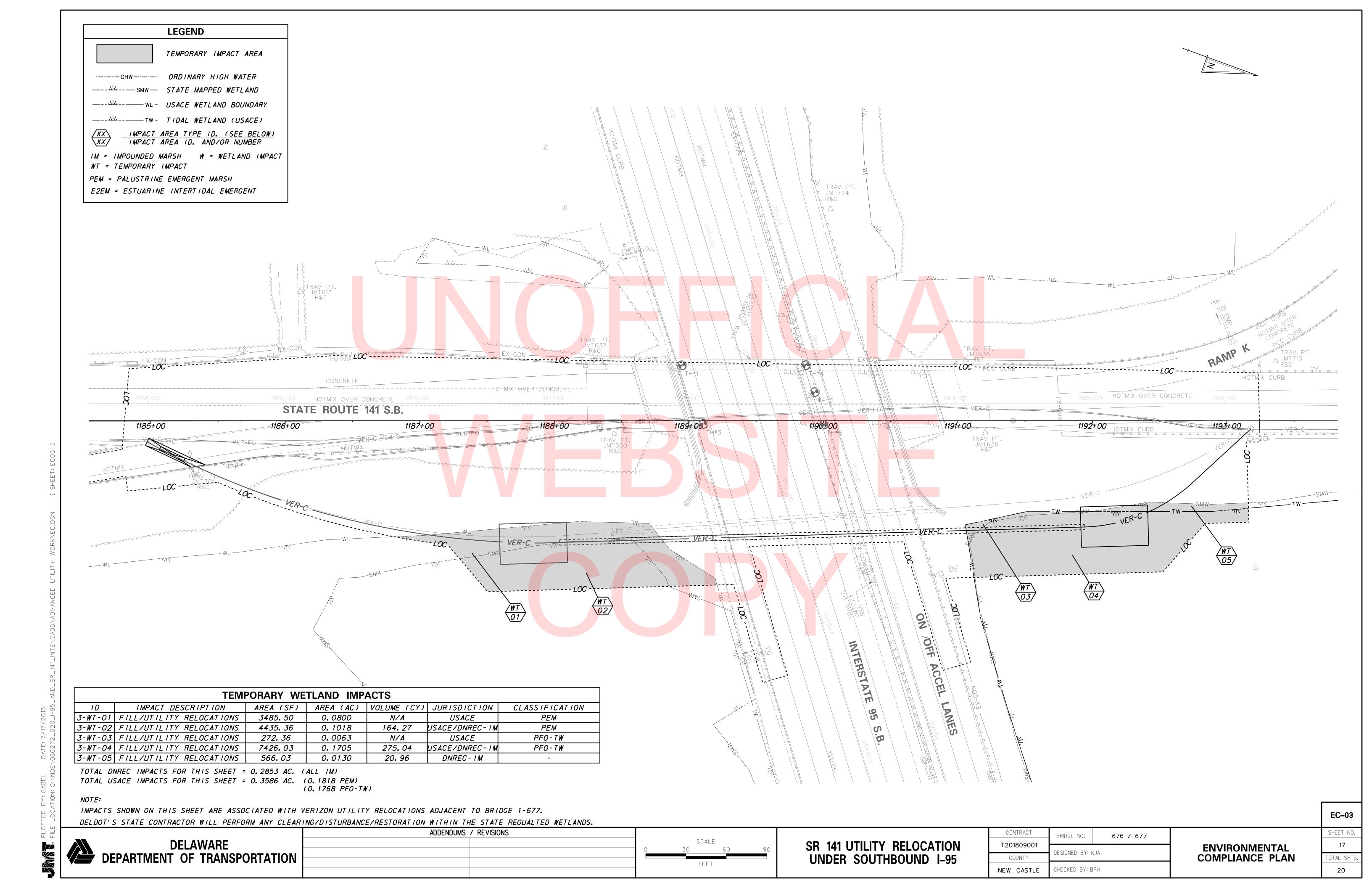
ADDENDUMS / REVISIONS				
		SC	ALE	
	0	30	60	90
		FE	ET	

SR 141 UTILITY RELOCATION UNDER SOUTHBOUND I-95

CONTRACT	BRIDGE NO.	676 / 677				
T201809001	51115 02 1101					
COUNTY	DESIGNED BY: KJA					
NEW CASTLE	CHECKED BY: B	PH				

ENVIRONMENTAL COMPLIANCE PLAN

EC-02



MAINTENANCE OF TRAFFIC NOTES

- UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, MAINTENANCE OF TRAFFIC DURING LANE CLOSURES ON 1-95, SR 141, AND ON/OFF ACCELERATION LANES SHALL CONFORM TO TA-33 OF THE DELAWARE MUTCD.
- MAINTENANCE OF TRAFFIC DURING SHOULDER CLOSURES ON INTERSTATES/ FREEWAYS/EXPRESSWAYS SHALL CONFORM TO TA-5A (FOR WORK OFF OF THE SHOULDER) AND TA-5B (FOR WORK ON THE SHOULDER). IF TA-5B IS USED, LANE CLOSURES SHALL COMPLY WITH THE TIMES SHOWN ON THIS SHEET.
- 3. THE CONTRACTOR SHALL SUPPLY MESSAGE BOARDS TO PLACE AT LOCATIONS WITHIN 1 MILE OF THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER 10 DAYS IN ADVANCE TO THE START OF WORK OR IN ADVANCE OF NEW TRAFFIC PATTERNS. MESSAGE BOARDS SHALL REMAIN IN PLACE 5 DAYS AFTER THE START OF ROAD WORK OR START OF THE NEW TRAFFIC PATTERN. MESSAGES SHALL BE APPROVED BY THE DISTRICT SAFETY OFFICER. PAYMENT FOR THESE BOARDS WILL BE MADE UNDER ITEM NUMBER 803001.
- TEMPORARY FLOODLIGHTING NECESSARY DUE TO WORK OCCURRING AFTER DARK WILL BE PAID UNDER ITEM NUMBER 804001. THE ATSSA SUPERVISOR SHALL APPROVE THE POSITION OF THE LIGHT ASSEMBLY. DURING BOTH DAY AND NIGHT WORK, ALL PERSONS WORKING WITHIN THE WORK SITE MUST WEAR REFLECTORIZED VESTS IN ACCORDANCE WITH THE DELAWARE MUTCD.
- WHERE TYPICAL TRAFFIC CONTROL PLANS FROM THE DELAWARE MUTCD ARE USED, THE CONTRACTOR SHALL REVIEW THE REQUIRED SIGNING AND TRAFFIC CONTROL DEVICES WITH THE ENGINEER AND SAFETY OFFICER TO ENSURE THEIR APPLICABILITY PRIOR TO IMPLEMENTATION.
- CONTACT THE HAULING PERMIT OFFICE AT (302) 744-2700 FOR DELDOT'S OVERSIZE OVERWEIGHT PERMIT SYSTEM (OOPS) TO REQUEST POSTING ANY LANE RESTRICTIONS OR ROAD CLOSURES ON THE TEMPORARY ROUTE RESTRICTIONS WEBPAGE AT LEAST TWO WEEKS IN ADVANCE OF NEW TRAFFIC PATTERNS.
- 7. ACCESS TO ALL DELDOT MAINTENANCE ENTRANCES MUST BE MAINTAINED AT ALL TIMES.
- FOR NIGHT-TIME CLOSURES OF ANY ROAD OR RAMP, PROVIDE ONE TRAFFIC OFFI<mark>CER</mark> AT EACH CLOSURE POINT SHOWN IN THE APPLICABLE DETOUR PLANS. TRAFFIC OFFICER SHALL BE PLACED BEHIND THE CLOSURE BARRICADE WITH THE FRONT OF THE VEHICLE FACING APP<mark>ROACHING TRAFFIC</mark> AND ALL EMERGENCY LIGHTS SHALL BE ACTIVATED. TRAFFIC OFFICER SHALL PR<mark>OV</mark>IDE A REPOR<mark>T T</mark>O THE CONTRACTOR AT THE END OF THE DAY'S ACTIVITY IDENTIFYING THE NUMBER OF VEHICLES THAT ATTEMPTED TO NOT FOLLOW THE DETOUR.

GUIDELINES FOR USE OF TRAFFIC OFFICERS

- 1. CONTRACTOR SHALL BE REOUIRED TO ENSURE THAT A TRAFFIC OFFICER IS ON DUTY DURING ALL STRIPING OPERATIONS ALONG 1-95. STRIPING IS NOT ANTICIPATED ALONG 1-95.
- CONTRACTOR SHALL BE REQUIRED TO ENSURE THAT A TRAFFIC OFFICER IS ON DUTY DURING ANY WORK ZONE OPERATIONS ALONG 1-95 OR SR 141 THAT REQUIRE BRIEF STOPPING OF ALL TRAFFIC IN ONE OR BOTH DIRECTIONS IN ACCORDANCE WITH TA-35H. THIS IS NOT ANTICIPATED NEEDING TO BE DONE.
- TRAFFIC OFFICERS SHALL BE ON DUTY DURING ALL ROAD OR RAMP CLOSURE OPERATIONS AND UP TO THREE HOURS FOLLOWING THE COMPLETE CLOSURE OF THE ROADWAY OR RAMP. COMPLETE CLOSURES OF ROADS OR RAMPS ARE NOT ANTICIPATED.
- ADDITIONAL USE OF TRAFFIC OFFICERS SHALL BE APPROVED BY THE TRAFFIC SAFETY SECTION AS

TRAFFIC RESTRICTIONS

lane closed

lane open

ADDENDUMS / REVISIONS

- 1. LANE OR RAMP CLOSURES AND DETOURS SHALL NOT BE PERMITTED DURING STATE HOLIDAYS AND MAJOR EVENTS AS LISTED IN SECTION 801000 AS WELL AS THE FOLLOWING: ELECTION DAY, PRIMARY DAY, AND THE WEDNESDAY PRIOR TO FIREFLY CONCERT THROUGH THE MONDAY FOLLOWING FIREFLY CONCERT.
- 2. THE FOLLOWING SCHEDULE INDICATES THE ALLOWABLE TIME WHICH THE NUMBER OF LANES ON SOUTHBOUND 1-95 AND THE SOUTHBOUND ON/OFF ACCELERATION LANE MAY BE REDUCED UNLESS OTHERWISE NOTED ON THE PHASING PLAN SHEETS. THE START TIME REPRESENTS THE EARLIEST TIME FOR WHICH THE LANE CLOSURE CAN BEGIN. THE SETUP OF TRAFFIC CONTROL FOR THE LANE CLOSURE MAY START HALF AN HOUR BEFORE THE START TIME. THE PROCESS OF REMOVAL FOR THE LANE CLOSURE SETUP MUST BEGIN BY THE END TIME LISTED. THE REMOVAL OF THE TRAFFIC CONTROL DEVICES FOR LANE CLOSURE MUST BE COMPLETED HALF AN HOUR AFTER THE END TIME. THE TIME RESTRICTIONS SHOWN ON THE LANE CLOSURE SCHEDULES APPLY TO BOTH THE CLOSURE OF THROUGH LANES AS WELL AS AUXILIARY LANES.

	A	LLO	NAB	LE H	OUR	S FO	RAL	ANE	CLC	SUR	E ON	N SO	UTHI	BOU	ND I-	95 C	R O	N/OF	FF AC	CLE	RATI	ON L	ANE	S
	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	NG 00:7	8:00 PM	9:00 PM	10:00 PM	11:00 PM
SUNDAY																								
MONDAY																								
TUESDAY																								
WEDNESDAY																								
THURSDAY																								
FRIDAY																								
SATURDAY																								

3. CONSTRUCTION VEHICLE ACCESS TO THE SOUTHBOUND 1-95 WORK ZONES FROM 1-95 MAY NOT DIRECTLY ENTER THE WORK ZONE FROM AN 1-95 TRAVEL LANE. THESE VEHICLES MUST FIRST DECELERATE WITHIN THE EXISTING SHOULDER AND THEN ACCESS THE WORK ZONE. CONSTRUCTION VEHICLE ACCESS TO 1-95 FROM THE WORK ZONE MAY NOT DIRECTLY ENTER A TRAVEL LANE. THESE VEHICLES MUST FIRST ACCELERATE WITHIN THE EXISTING SHOULDER AND THEN MERGE INTO TRAFFIC.

4. THE RESIDENT ENGINEER OR AN APPOINTED REPRESENTATIVE SHALL BE THE OFFICIAL TIME KEEPER FOR THE LANE CLOSURES. THE TIMES SHALL BE BASED ON "VERIZON TIME".

CONSTRU	JCTION PHASING & M.O.T
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
(CSF XXX)	CONSTRUCTION SAFETY FENCE / LENGTH
——CSF——	CONSTRUCTION SAFETY FENCE
H	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
•••••	CRASH CUSHION ARRAY
•	DRUM - TRAFFIC CONTROL
. ◆	FLAGGER LOCATION
PASS >	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
_	TEMPORARY PAVEMENT MARKING ARROW
⅓ ☆	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	IMPACT ATTENUATOR (TL-3)
	IMPACT ATTENUATOR, SPECIAL (WIDE BAY)

CONTRACT	BRIDGE NO.	676 / 677	
T201809001			CONSTRUCTION
COUNTY	DESIGNED BY: (JUJ.	AND M.O.1
NEW CASTLE	CHECKED BY: E	PH	

NOT TO SCALE

