STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
P.O. BOX 778
DOVER, DELAWARE 19903

JENNIFER COHAN
SECRETARY

VIA WEBSITE POSTING

October 24, 2019

Contract No. T200411209.01
Federal Aid Project No. ESTP-S028(8)
SR 24, Mulberry Knoll to SR 1
Sussex County

Ladies and Gentlemen:

Enclosed is Addendum No. 1 for the referenced contract consisting of the following:

1. The date for the receipt of bids has been moved to Tuesday, November 19, 2019, prior to 2:00 p.m.
2. The Bid Proposal Cover, revised, to be substituted for the same page of the Proposal.
3. One (1) page, Right of Way Certificate, page 115, revised, to be substituted for the same page in the Proposal.
4. Seven (7) sheets, Construction Plans, sheets 15, 17, 30, 32, 62, 95 and 97, have been deleted from the Plans.
5. Seven (7) sheets, Construction Plans, sheets 15A, 17A, 30A, 32A, 62A, 95A and 97A, new, have been added to the Plans.
6. Thirty (35) sheets, Construction Plans, sheets 3, 6-10, 13-14, 16, 18, 20, 22, 38-49, 51-56, 60-61 and 63-65, revised, to be substituted for the same sheets in the Plans.

NOTE: An addendum with quantity changes and a revised Utility Statement will be addressed in forthcoming addendum.

Please note the revisions listed above and submit your bid based upon this information.

Sincerely,

~signature on file~

Connie Ivins
Competitively Bid Contracts Coordinator
Delaware Department of Transportation

Addendum No. 1
October 24, 2019

STATE OF DELAWARE

DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T200411209.01

FEDERAL AID PROJECT NO. ESTP-S028(8)

CFDA NO. 20.205

SR 24, MULBERRY KNOLL TO SR 1

SUSSEX COUNTY

ADVERTISEMENT DATE: September 30, 2019

COMPLETION TIME: 537 Calendar Days

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
DELAWARE DEPARTMENT OF TRANSPORTATION
AUGUST 2016

Bids will be received in the Bidder's Room at the Delaware Department of Transportation's Administration Building, 800 Bay Road, Dover, Delaware prior to 2:00 P.M. local time **~~October 29~~ November 19, 2019**

Addendum No. 1
October 24, 2019

150973STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
PO BOX 778
DOVER, DELAWARE 19903

CERTIFICATE OF RIGHT-OF-WAY STATUS

STATE PROJECT NO. T200411209

F.A.P. NO. ESTP-S024(8)

SR 24, MULBERRY KNOLL TO SR1

SUSSEX COUNTY

Certificate of Right-of-Way Status - Conditional

Status - Level 3

As acquired by 23 CFR, Part 635, and other pertinent Federal and State regulations or laws, the following certificates are hereby made in reference to this highway project:

The acquisition or right of occupancy and use of some remaining parcels is not complete, but all occupants of the residences on such parcels has had replacement housing made available to them in accordance with 49 CFR 24.04. The parcels which are not available are:

Parcels	Owner	Status	Availability
45-AL – 45-EL	CJ LLC/Hudson	In settlement	11/30/19
58-L	Inns of Rehoboth	Signed ROE Waiting for Mortgage Release	11/30/19

All necessary real property interests have been or shall be acquired in accordance with current FHWA/State directives covering the acquisition of real property.

No occupants were permanently displaced for this project and the State has physical possession and the right to remove, salvage, or demolish any personal property acquired as part of this project.

The State shall ensure that any occupants of residences, businesses, farms, or non-profit organizations and who have not yet moved from the right-of-way are protected against unnecessary inconvenience and disproportionate injury or any action coercive in nature.; and,

Anticipated clearance for all parcels is **November 30, 2019**.

RIGHT OF WAY SECTION

Monroe C. Hite, III
Chief of Right of Way

October 22, 2019
Updated from August 23, 2019

ADDENDUM PREPARED BY
AECOM TECHNICAL SERVICES, INC.

10/22/2019
DATE

JOSEPH A. HOFSTETTER
REGISTERED
No. 14581
DELAWARE
PROFESSIONAL ENGINEER

SEAL

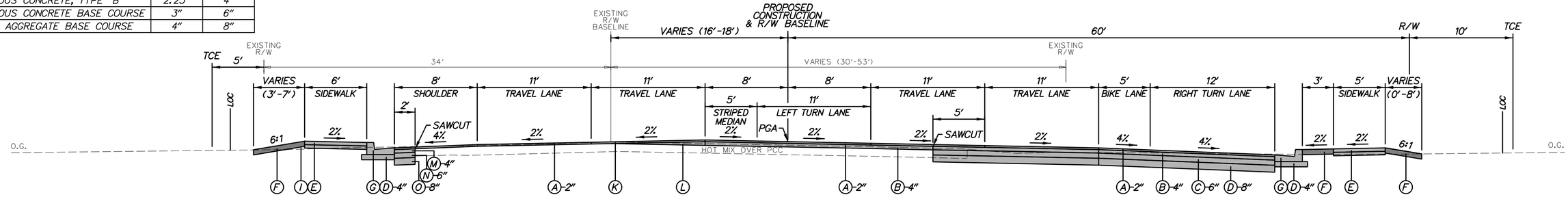
THIS SEAL APPLIES TO THE FOLLOWING SHEETS CHANGED UNDER ADDENDUM #1:
6-10, 13-14, 16-18, 20-21, 30, 32, 38-49, 51-56, 60-65, 95, 97

10/3/2019
5:46:46 PM
\\usphl1fp002\data\Projects\60487648 - DelDOT Agreement 1709\Task 001 - SR 24 Mulberry Knoll to SR 1\900_Work\910_CAD\20-SHEETS\001_Construction Plans\00_AD01.dgn

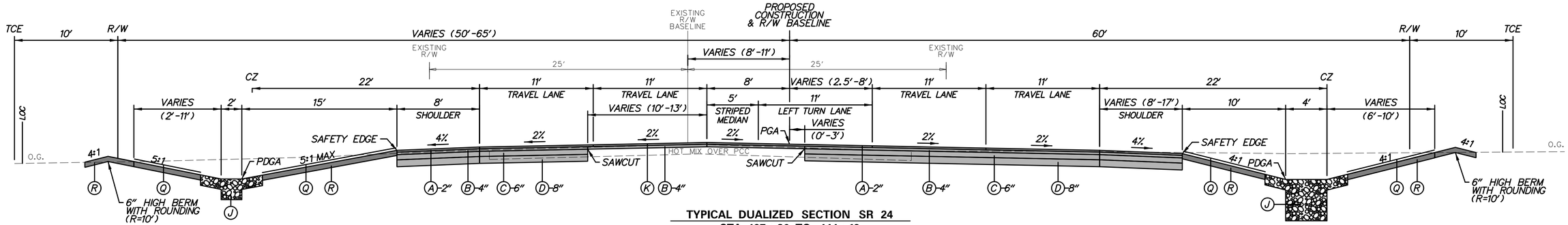
ADDENDA / REVISIONS		NOT TO SCALE	SR 24, MULBERRY KNOLL TO SR 1	CONTRACT	BRIDGE NO.	N/A	ADDENDA AND REVISIONS	SECTION
				T201212201	DESIGNED BY: T. SINGLE			AEC
				COUNTY				SHEET NO.
				SUSSEX	CHECKED BY: D. SEMPLE			3

MATERIAL	LIFT THICKNESS	
	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	4"	8"

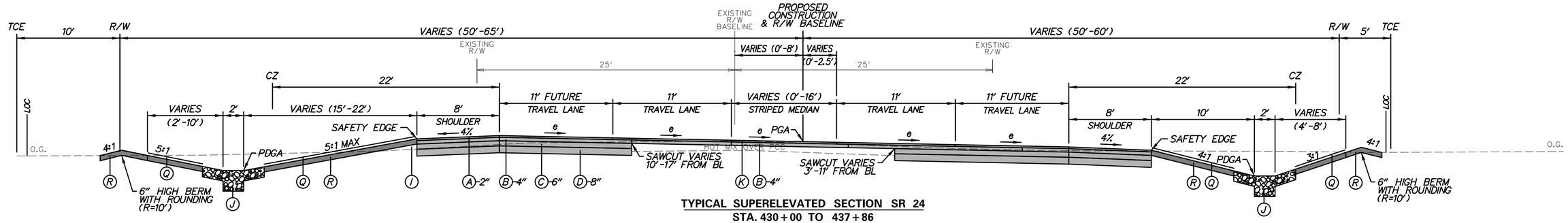
HC - HORIZONTAL CLEARANCE IS 4' BEHIND FACE OF CURB AND A MINIMUM OF 6' BEHIND INTERSECTIONS AND ENTRANCES.



TYPICAL PLANTATION RD APPROACH SECTION SR 24
STA. 444+13 TO 447+75



TYPICAL DUALIZED SECTION SR 24
STA. 437+86 TO 444+13

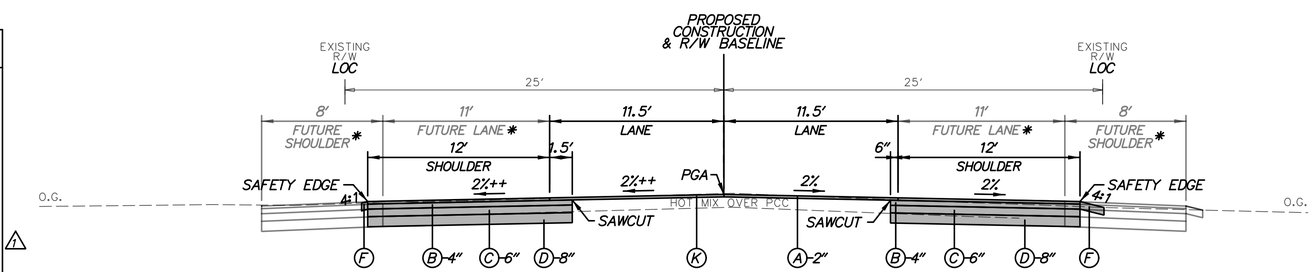


TYPICAL SUPERELEVATED SECTION SR 24
STA. 430+00 TO 437+86
e_{MAX}=6.0%

PGA - PROFILE GRADE APPLICATION
PDGA - PROFILE DITCH GRADE APPLICATION

LEGEND

- (A) ITEM 401045 - SUPERPAVE TYPE C, PG 70-22 (NON-CARBONATE STONE)
- (B) ITEM 401015 - SUPERPAVE TYPE B, PG 70-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B
- (E) ITEM 705001 - P.C.C. SIDEWALK, 4" OVER 4" GABC, TYPE B
- (F) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
  ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (G) ITEM 701018 - I.P.C.C. CURB AND GUTTER, TYPE 1-8
- (H) ITEM 701023 - I.P.C.C. CURB AND GUTTER, TYPE 3-8
- (I) ITEM 209006 - BORROW, TYPE F
- (J) ITEM 910009 - INFILTRATION TRENCH
- (K) ITEM 760012 - PAVEMENT MILLING, BITUMNIOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (L) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22, WEDGE
- (M) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (N) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (O) ITEM 301002 - GRADED AGG. BASE COURSE, TYPE B, PATCHING
- (P) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (Q) ITEM 908020 - EROSION CONTROL ~~MULCH BLANKET~~ BLANKET MULCH △1
- (R) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
  ITEM 908015 - PERMANENT GRASS SEEDING, STORMWATER
- (S) ITEM 701014 - P.C.C. CURB, TYPE 2 OVER 4" GABC, TYPE B



TYPICAL NORMAL SECTION SR 24
STA. 429+00 TO 429+50

*CONTRACT *T201212201
++SEE GRADES AND GEOMETRICS

ADDENDA / REVISIONS		
△1 REVISED ITEM DESCRIPTION	D. SEMPLE 10/03/2019	

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

TYPICAL SECTION

SECTION
AEC
SHEET NO.
6

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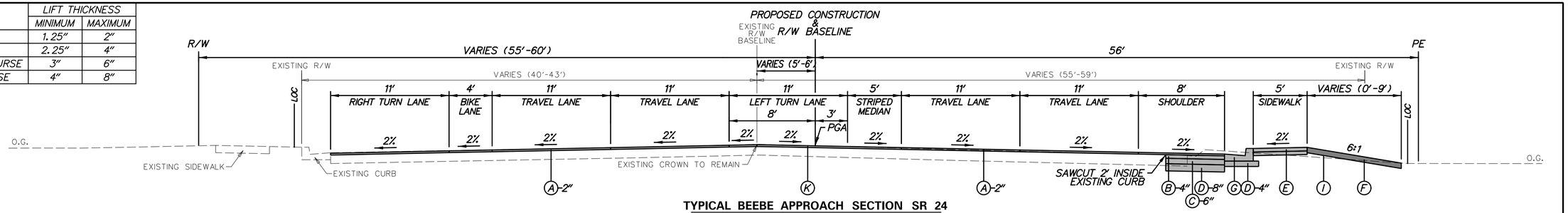
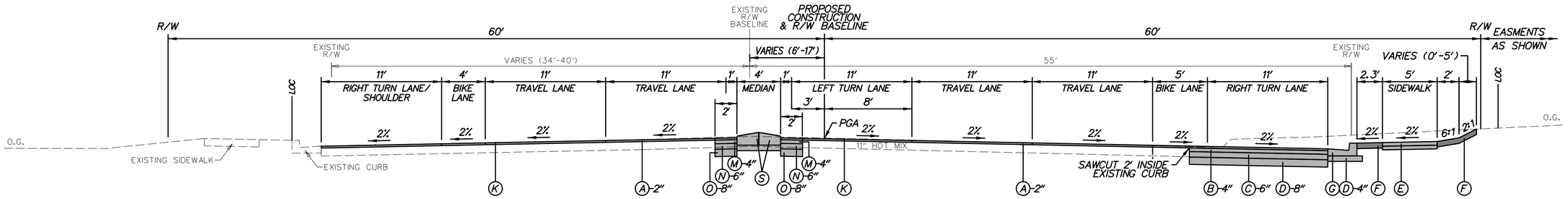
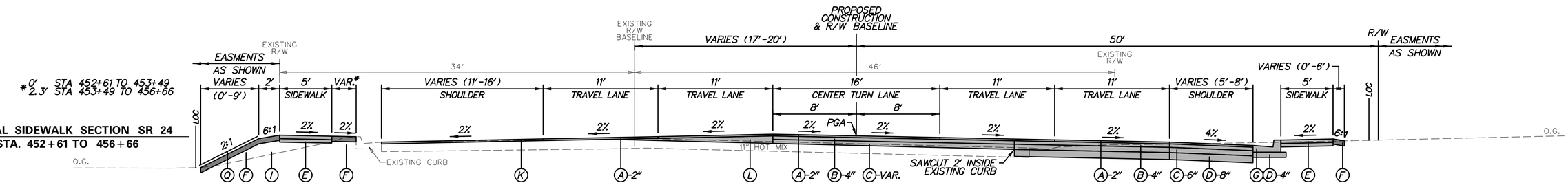
MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"



TYPICAL BEEBE APPROACH SECTION SR 24
STA. 464+50 TO 467+83

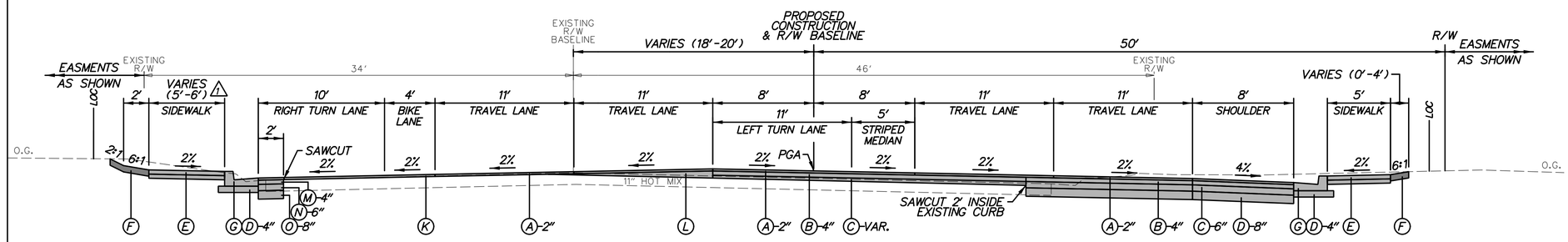


TYPICAL BEEBE APPROACH SECTION SR 24
STA. 459+23 TO 464+50



TYPICAL SIDEWALK SECTION SR 24
STA. 452+61 TO 456+66

TYPICAL DUALIZED SECTION SR 24
STA. 452+61 TO 459+23



TYPICAL DUALIZED SECTION SR 24
STA. 449+00 TO 452+61

LEGEND

- (A) ITEM 401045 - SUPERPAVE TYPE C, PG 70-22 (NON-CARBONATE STONE)
- (B) ITEM 401015 - SUPERPAVE TYPE B, PG 70-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B
- (E) ITEM 705001 - P.C.C. SIDEWALK, 4" OVER 4" GABC, TYPE B
- (F) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
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- (G) ITEM 701018 - I.P.C.C. CURB AND GUTTER, TYPE 1-8
- (H) ITEM 701023 - I.P.C.C. CURB AND GUTTER, TYPE 3-8
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- (O) ITEM 301002 - GRADED AGG. BASE COURSE, TYPE B, PATCHING
- (P) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (Q) ITEM 908020 - EROSION CONTROL ~~MULCH BLANKET~~ BLANKET MULCH (1)
- (R) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
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PGA - PROFILE GRADE APPLICATION
PDGA - PROFILE DITCH GRADE APPLICATION

HC - HORIZONTAL CLEARANCE IS 4' BEHIND FACE OF CURB AND A MINIMUM OF 6' BEHIND INTERSECTIONS AND ENTRANCES.

ADDENDA / REVISIONS	
(1) REVISED ITEM DESCRIPTION	D. SEMPLE 10/03/2019

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A	TYPICAL SECTION	SECTION
T200411209	DESIGNED BY: T. SINGLE			AEC
COUNTY				SHEET NO.
SUSSEX	CHECKED BY: D. SEMPLE			7

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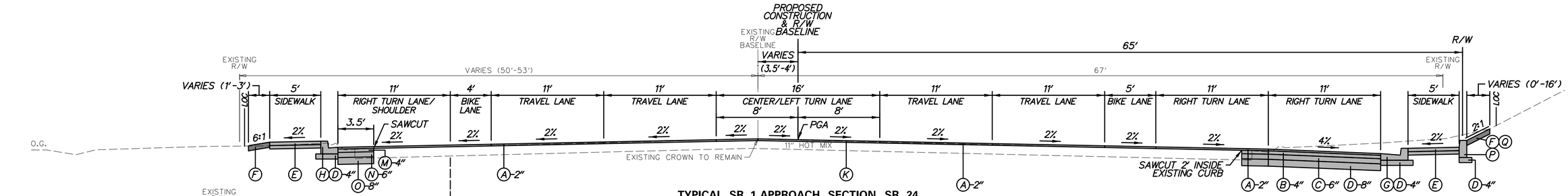
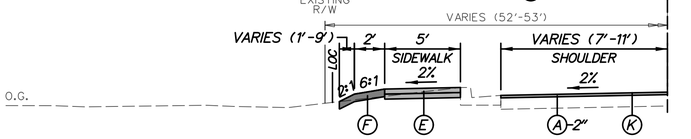
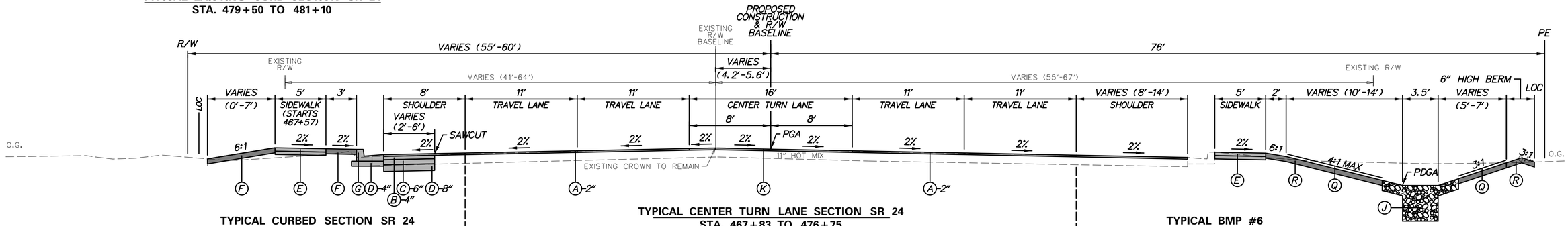


TYPICAL SR 1 APPROACH SECTION SR 24
STA. 476+75 TO 481+10



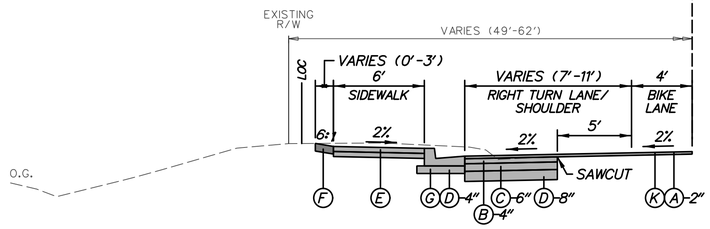
TYPICAL EXISTING CURB SECTION SR 24
STA. 479+50 TO 481+10



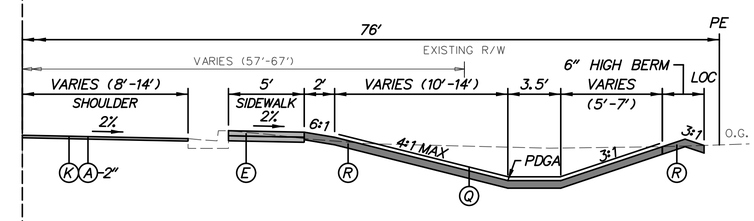
TYPICAL CURBED SECTION SR 24
STA. 467+83 TO 472+80

TYPICAL CENTER TURN LANE SECTION SR 24
STA. 467+83 TO 476+75

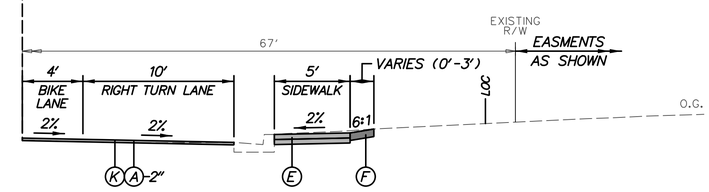
TYPICAL BMP #6
STA. 467+15 TO 472+60
*PROPOSED CURB EXTENDS TO STA 468+76



TYPICAL CURBED SECTION SR 24
STA. 472+80 TO 476+75



TYPICAL ROADSIDE SWALE
STA. 472+60 TO 474+25



TYPICAL EXISTING CURB SECTION SR 24
STA. 474+25 TO 476+10

PGA - PROFILE GRADE APPLICATION
PDGA - PROFILE DITCH GRADE APPLICATION

LEGEND

- (A) ITEM 401045 - SUPERPAVE TYPE C, PG 70-22 (NON-CARBONATE STONE)
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- (G) ITEM 701018 - I.P.C.C. CURB AND GUTTER, TYPE 1-8
- (H) ITEM 701023 - I.P.C.C. CURB AND GUTTER, TYPE 3-8
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- (J) ITEM 910009 - INFILTRATION TRENCH
- (K) ITEM 760012 - PAVEMENT MILLING, BITUMNIOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (L) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22, WEDGE
- (M) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (N) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (O) ITEM 301002 - GRADED AGG. BASE COURSE, TYPE B, PATCHING
- (P) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (Q) ITEM 908020 - EROSION CONTROL ~~MULCH BLANKET~~ BLANKET MULCH 1
- (R) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
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- (S) ITEM 701014 - P.C.C. CURB, TYPE 2 OVER 4" GABC, TYPE B

HC - HORIZONTAL CLEARANCE IS 4' BEHIND FACE OF CURB AND A MINIMUM OF 6' BEHIND INTERSECTIONS AND ENTRANCES.

MATERIAL	LIFT THICKNESS	
	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	4"	8"

ADDENDA / REVISIONS

1	REVISED ITEM DESCRIPTION	D. SEMPLE 10/03/2019

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY	CHECKED BY: D. SEMPLE	
SUSSEX		

TYPICAL SECTION

SECTION
AEC
SHEET NO.
8

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MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
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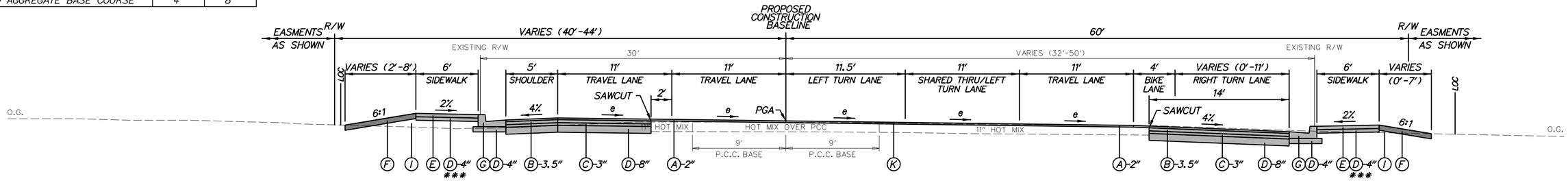
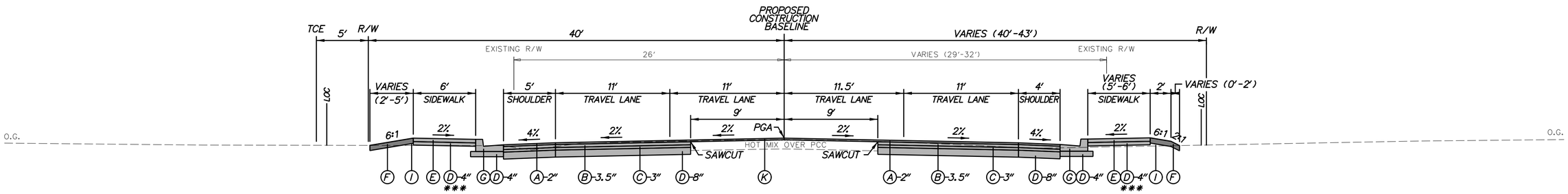


TYPICAL SUPERELEVATED SECTION PLANTATION RD
STA. 802+81 TO 808+00



*PROPOSED CURB BEGINS AT STA 802+30

TYPICAL NORMAL SECTION PLANTATION RD
STA. 802+00 TO 802+81

*PROPOSED CURB BEGINS AT STA 799+97

LEGEND

- (A) ITEM 401045 - SUPERPAVE TYPE C, PG 70-22 (NON-CARBONATE STONE)
- (B) ITEM 401015 - SUPERPAVE TYPE B, PG 70-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
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- (N) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (O) ITEM 301002 - GRADED AGG. BASE COURSE, TYPE B, PATCHING
- (P) ITEM 701013 - P.C.C. CURB, TYPE 1-8
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- (R) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
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PGA - PROFILE GRADE APPLICATION
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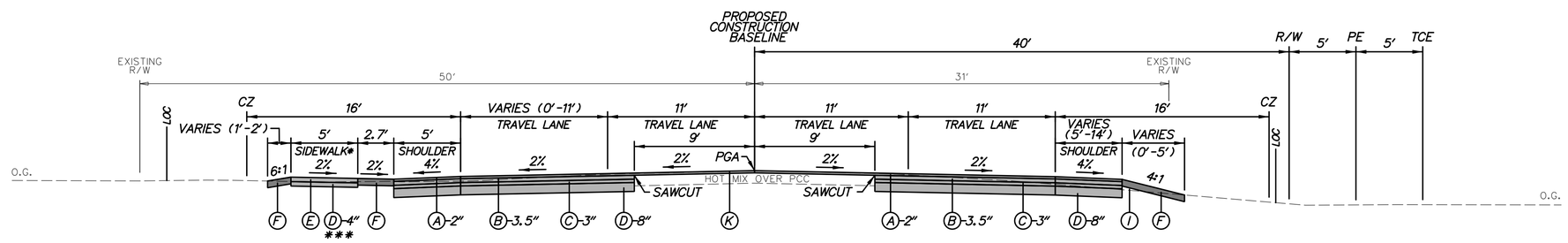

*TIES TO EXISTING SIDEWALK AT STA 800+69

TYPICAL NORMAL SECTION PLANTATION RD
STA. 798+18 TO 802+00

HC - HORIZONTAL CLEARANCE IS 4' BEHIND FACE OF CURB AND A MINIMUM OF 6' BEHIND INTERSECTIONS AND ENTRANCES.

ADDENDA / REVISIONS		
1 REVISED ITEM DESCRIPTION	D. SEMPLE 10/03/2019	

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY	CHECKED BY: D. SEMPLE	
SUSSEX		

TYPICAL SECTION

SECTION
AEC
SHEET NO.
9

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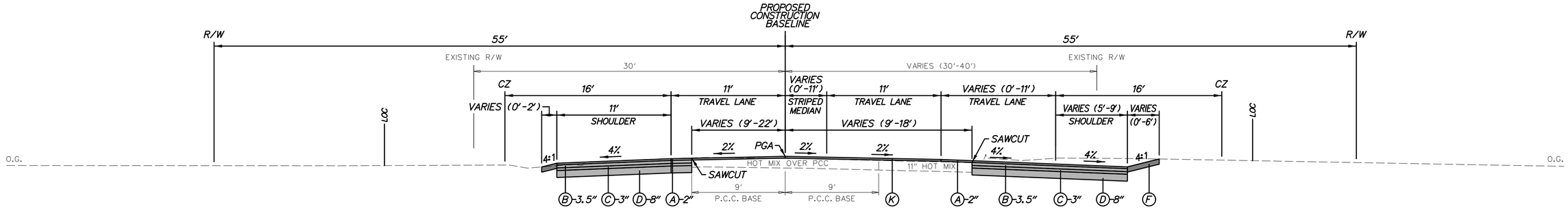
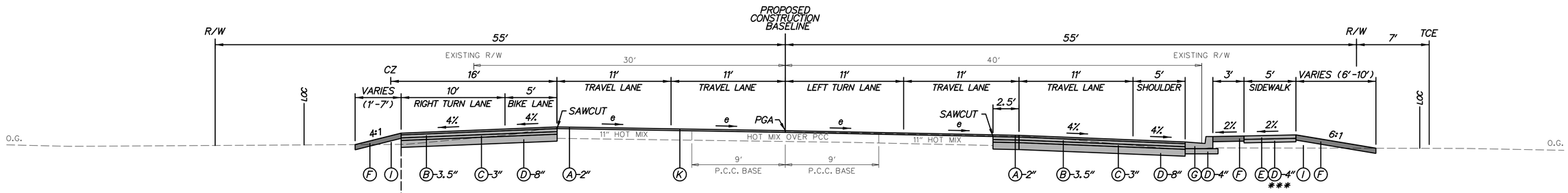


TYPICAL NORMAL SECTION WARRINGTON RD
STA. 811+29 TO 817+50



TYPICAL SUPERELEVATED SECTION WARRINGTON RD
STA. 808+75 TO 811+29
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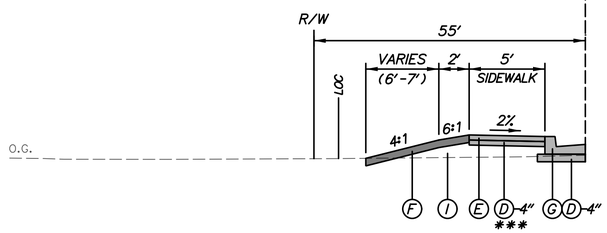
TYPICAL CURBED SECTION WARRINGTON RD
STA. 808+75 TO 811+77



TYPICAL CURBED SECTION WARRINGTON RD
STA. 808+75 TO 809+48

LEGEND

- (A) ITEM 401045 - SUPERPAVE TYPE C, PG 70-22 (NON-CARBONATE STONE)
- (B) ITEM 401015 - SUPERPAVE TYPE B, PG 70-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B
- (E) ITEM 705001 - P.C.C. SIDEWALK, 4" OVER 4" GABC, TYPE B
- (F) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
  ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (G) ITEM 701018 - I.P.C.C. CURB AND GUTTER, TYPE 1-8
- (H) ITEM 701023 - I.P.C.C. CURB AND GUTTER, TYPE 3-8
- (I) ITEM 209006 - BORROW, TYPE F
- (J) ITEM 910009 - INFILTRATION TRENCH
- (K) ITEM 760012 - PAVEMENT MILLING, BITUMNIOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (L) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22, WEDGE
- (M) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (N) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (O) ITEM 301002 - GRADED AGG. BASE COURSE, TYPE B, PATCHING
- (P) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (Q) ITEM 908020 - EROSION CONTROL ~~MULCH BLANKET~~ BLANKET MULCH (1)
- (R) ITEM 908004 - TOPSOIL, 6" DEPTH/TOPSOILING
  ITEM 908015 - PERMANENT GRASS SEEDING, STORMWATER
- (S) ITEM 701014 - P.C.C. CURB, TYPE 2 OVER 4" GABC, TYPE B

PGA - PROFILE GRADE APPLICATION
PDGA - PROFILE DITCH GRADE APPLICATION

MATERIAL	LIFT THICKNESS	
	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	4"	8"

HC - HORIZONTAL CLEARANCE IS 4' BEHIND FACE OF CURB AND A MINIMUM OF 6' BEHIND INTERSECTIONS AND ENTRANCES.

ADDENDA / REVISIONS		
(1) REVISED ITEM DESCRIPTION	D. SEMPLE 10/03/2019	

NOT TO SCALE

SR 24,
MULBERRY KNOLL
TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

TYPICAL SECTION

SECTION
AEC
SHEET NO.
10

10/3/2019
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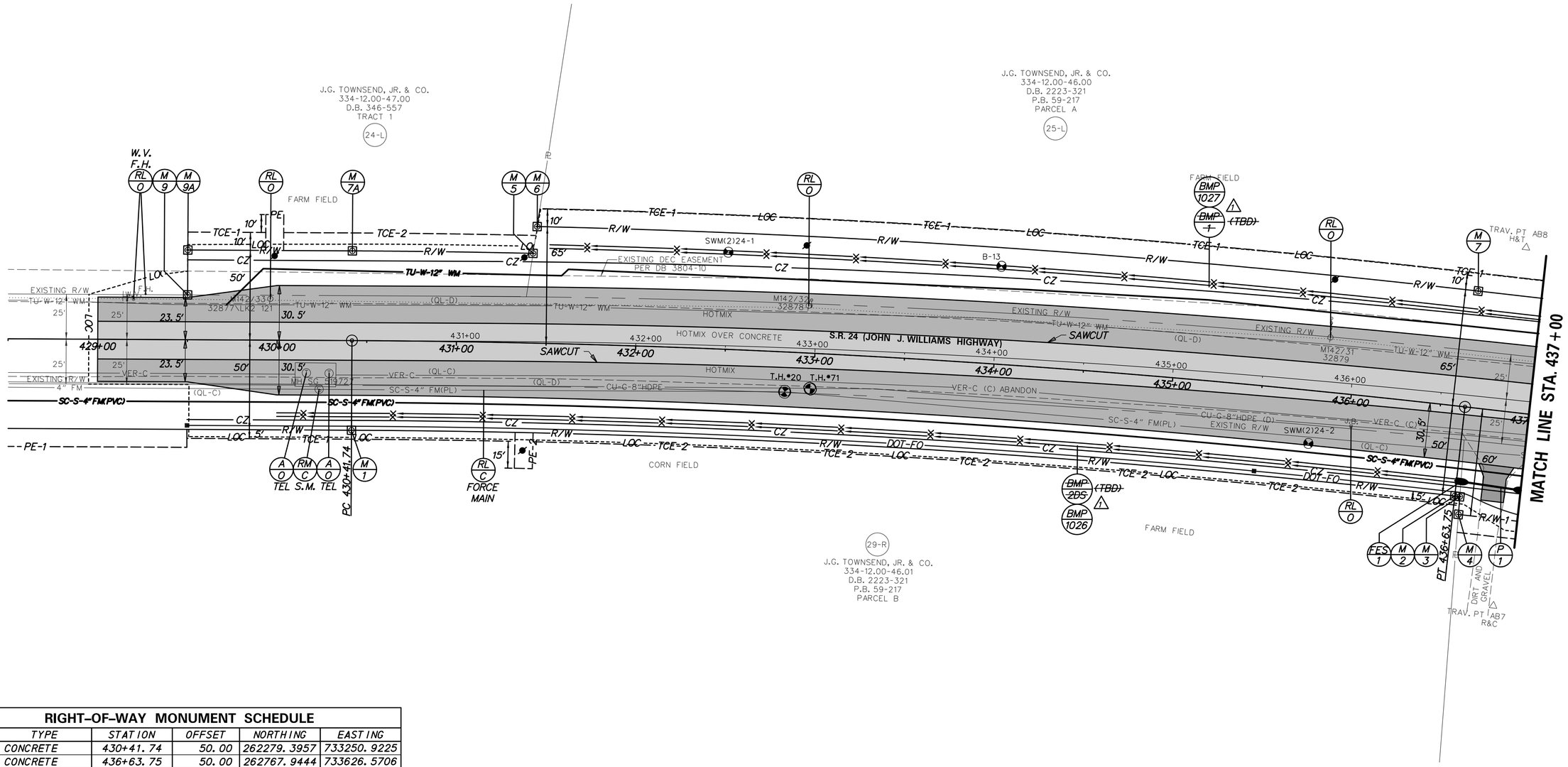
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
1	15" RCP	V	48.00	0.0144	27.38	26.69

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
20	SC-S	432+84.20	22.19	28.54	2.61	4 1/2" PLASTIC
71	CU-G	432+98.32	19.76	29.81	4.68	8 1/2" PLASTIC



RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
1	CONCRETE	430+41.74	50.00	262279.3957	733250.9225
2	CONCRETE	436+63.75	50.00	262767.9444	733626.5706
3	CAPPED REBAR	436+66.58	50.00	262770.0899	733628.4142
4	CAPPED REBAR	436+66.96	60.00	262763.8568	733636.2429
5	CAPPED REBAR	431+41.60	-50.00	262418.5280	733226.1474
6	CAPPED REBAR	431+43.55	-65.00	262428.8325	733215.0706
7	CONCRETE	436+63.75	-65.00	262842.8933	733539.3487
7A	CONCRETE	430+41.74	-50.00	262335.9523	733168.4523

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
1 ~~-1~~ 1027	INFILTRATION ~~SWALE~~ TRENCH 1	STA. 431+49 LT. TO STA. 443+66 LT.
1 ~~2DS~~ 1026	INFILTRATION ~~SWALE~~ TRENCH 1	STA. 429+97 RT. TO STA. 436+66 RT.

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY		
SUSSEX	CHECKED BY:	A. MELVIN

CONSTRUCTION PLAN

CP-01
SECTION
AEC
SHEET NO.
13

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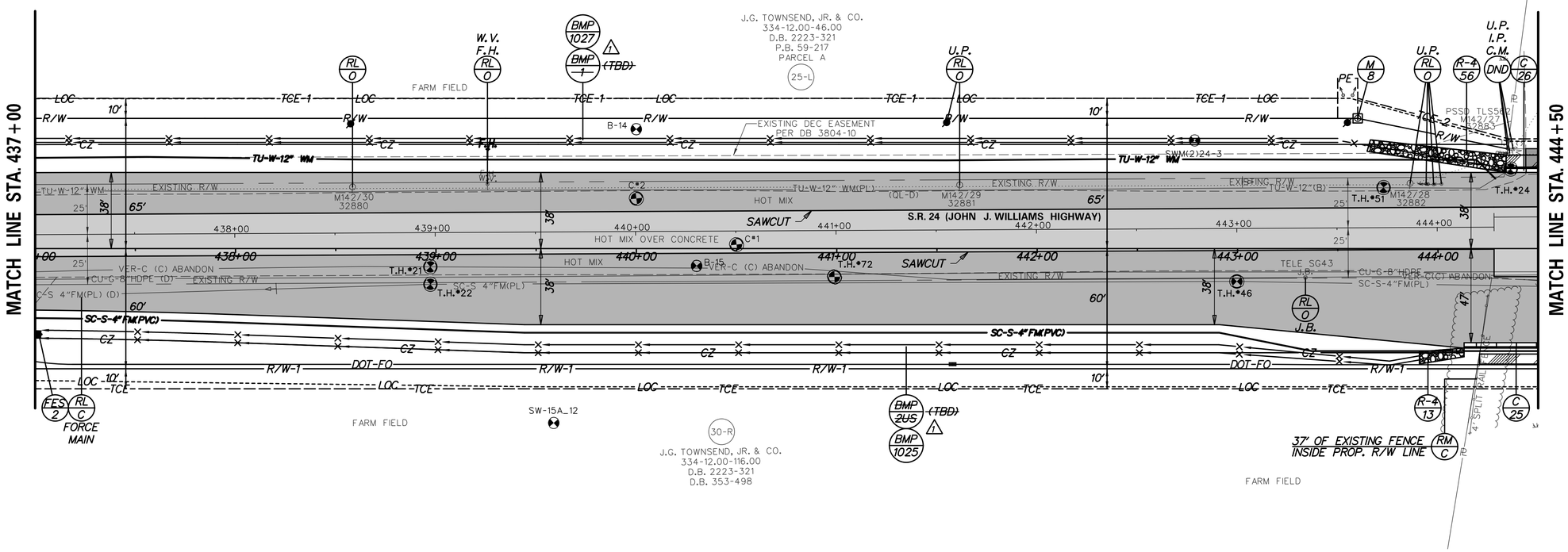
ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
*1	440+50	-2.0	6" HMA OVER 6.5" PCC
*2	440+00	-25.0	3.25" HMA ON SELECT BORROW

*APPROXIMATE LOCATIONS

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
25	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	37.00
26	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	16.00



UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
21	VER-C	438+97.19	9.11	30.09	3.02	3" CABLE
24	TU-W	444+36.29	-39.72	31.86	3.28	12 3/4" PLASTIC
46	SC-S	443+00.00	18.00	31.21	3.50	4 1/2" PLASTIC
51	TU-W	443+72.85	-30.48	31.52	2.87	12 3/4" PLASTIC
72	CU-G	440+98.85	14.14	30.50	4.72	8 1/2" PLASTIC

RIGHT-OF-WAY MONUMENT SCHEDULE					
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
8	CAPPED REBAR	443+59.95	-65.00	263370.9250	733993.0816

DELDOT SWM FACILITY SCHEDULE		
NO.	TYPE / DESCRIPTION	LOCATION
1 ~~1~~ 1027	INFILTRATION ~~SWALE~~ TRENCH 1	STA. 431+49 LT. TO STA. 443+66 LT.
1 ~~2DS~~ 1025	INFILTRATION ~~SWALE~~ TRENCH 1	STA. 436+99 RT. TO STA. 443+91 RT.

ADDENDA / REVISIONS		
1 REVISED BMP NUMBERS AND DESCRIPTIONS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-02
SECTION
AEC
SHEET NO.
14

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
3	PCC CURB, TYPE 2*	244.00
27	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	460.00
28	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	345.00
30	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	465.00
44	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	437.00

*CURB ITEM INCIDENTAL TO ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS

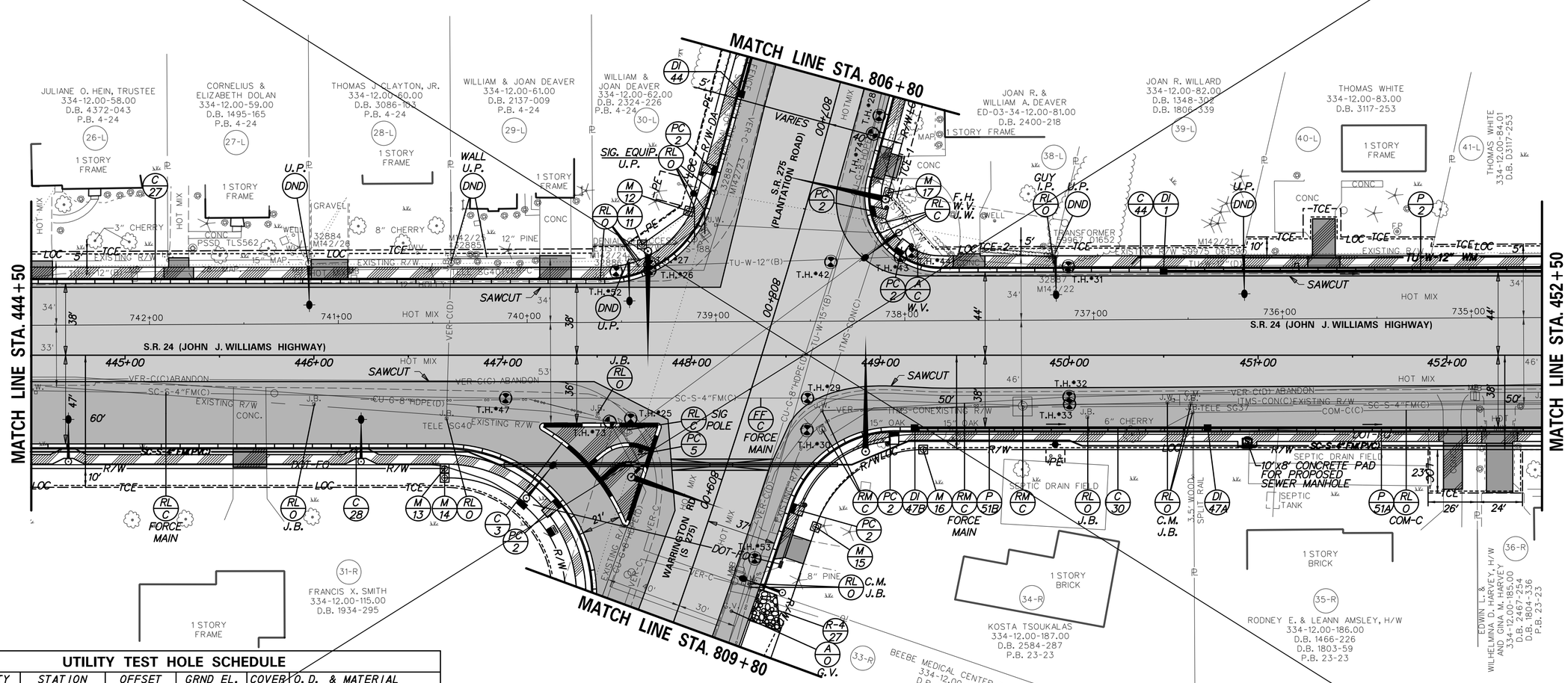
DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
1	450+50.00	**	34" x 24"	1	***	26.75	SUMP
44	807+00.00	**	34" x 24"	1	***	27.50	SUMP
47A	450+73.31	**	34" x 24"	1	***	24.56	SUMP
47B	449+18.06	**	34" x 24"	1	***	27.42	SUMP

**MATCH PROPOSED CURBLINE
***MATCH FLOWLINE OF PROPOSED CURB AND GUTTER

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
2	15" RCP	V	209.28	0.003	26.75	25.95
51A	15" RCP	IV	186.14	0.005	24.56	23.63
51B	15" RCP	IV	152.34	0.012	27.42	25.80



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
25	VER-C	447+67.78	33.69	32.07	4.06	1" CABLE
26	VER-C	447+77.96	-45.08	32.11	2.56	1" CABLE
27 A	TU-W	447+77.93	-47.96	32.22	6.60	15" PLASTIC
27 B	EX-CON	447+77.93	-47.96	32.22	2.14	3" STEEL CONDUIT
28	TU-W	806+92.11	24.43	32.32	3.54	12 3/4" PLASTIC
29	SC-S	448+61.41	22.70	32.58	5.62	8 3/4" PLASTIC
30	VER-C	448+61.18	39.67	32.77	3.62	2" CABLE
31	TU-W	449+99.51	-47.02	32.88	4.27	12 3/4" PLASTIC
32	VER-C	449+99.68	22.14	32.51	2.88	2" CABLE
33	SC-S	450+00.16	25.99	32.40	3.82	4 1/2" PLASTIC
42	TU-W	443+23.80	-49.40	32.73	7.10	15" PLASTIC CASING
43	TU-W	449+10.54	-52.11	32.76	6.02	15" PLASTIC CASING
44	TU-W	449+16.59	-54.30	32.99	5.32	12 3/4" PLASTIC
47	SC-S	447+01.00	23.00	31.60	2.83	4 1/2" PLASTIC
52	TU-W	447+60.07	-44.40	32.46	2.94	15 1/2" PL CASING
53	TU-W	809+33.91	-29.76	32.24	11.03	15 1/2" PLASTIC

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
73	CU-G	447+56.73	35.25	32.52	9.44	8 1/2" PLASTIC
74	CU-G	807+02.01	23.69	31.43	2.98	8 1/2" PLASTIC

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
11	CAPPED REBAR	447+73.73	-58.67	263680.6353	734267.5530
12	CAPPED REBAR	447+98.51	-76.31	263710.9273	734270.3246
13	CAPPED REBAR	446+69.24	60.00	263524.0366	734289.4586
14	CAPPED REBAR	446+69.24	65.00	263520.7779	734293.2508
15	CAPPED REBAR	809+08.21	55.00	263652.7899	734441.1034
16	CAPPED REBAR	449+22.67	-50.00	263722.7689	734447.0427
17	CAPPED REBAR	807+32.30	-43.94	263797.5005	734336.5758

ADDENDA / REVISIONS

1 REVISED SIDEWALK WIDTH FROM 6' TO 5' FROM STA 449+10 TO STA 451+30 LT — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-03

SECTION	SHEET NO.
AEC	15

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
3	PCC CURB, TYPE 2*	244.00
27	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	460.00
28	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	345.00
30	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	465.00
44	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	437.00

*CURB ITEM INCIDENTAL TO ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS

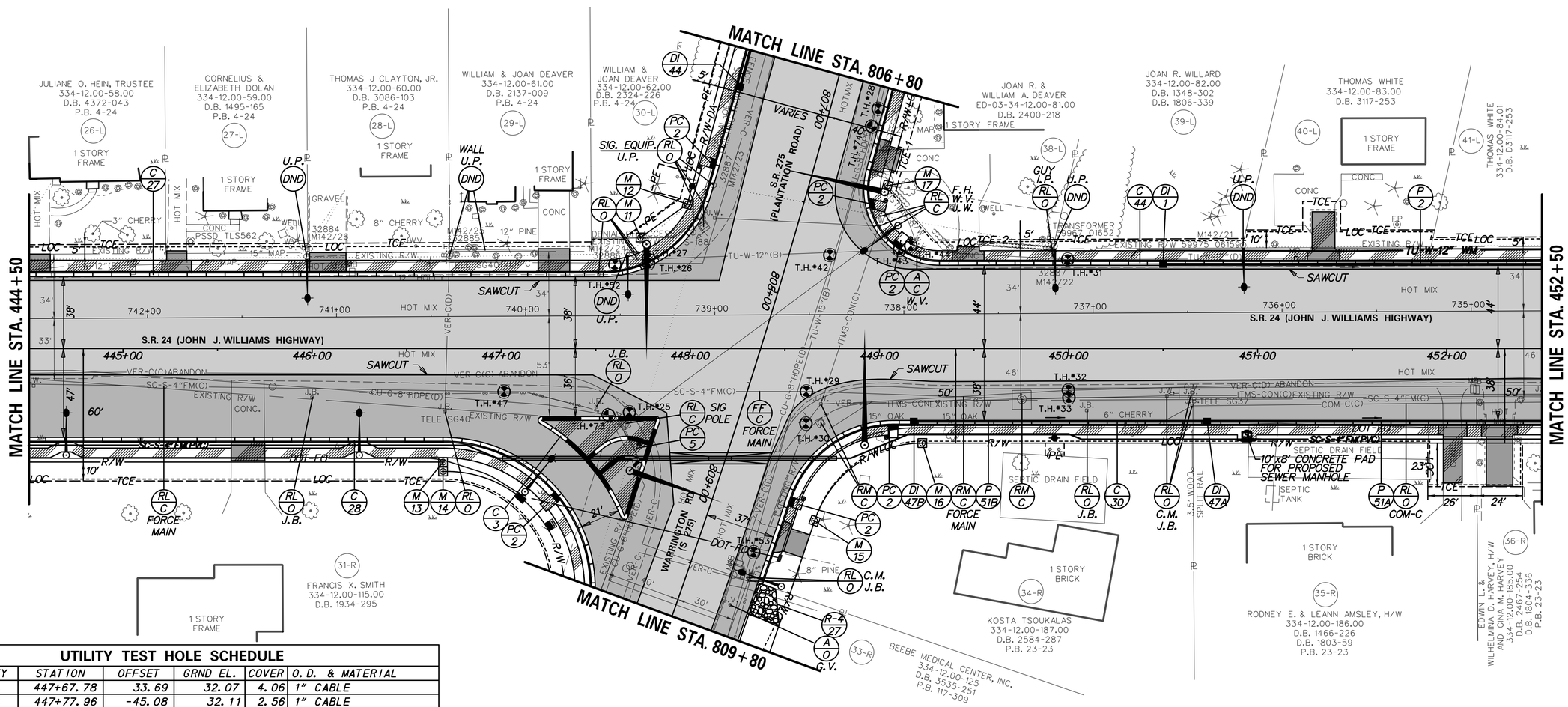
DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
1	450+50.00	**	34" x 24"	1	***	26.75	SUMP
44	807+00.00	**	34" x 24"	1	***	27.50	SUMP
47A	450+73.31	**	34" x 24"	1	***	24.56	SUMP
47B	449+18.06	**	34" x 24"	1	***	27.42	SUMP

**MATCH PROPOSED CURBLINE
***MATCH FLOWLINE OF PROPOSED CURB AND GUTTER

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
2	15" RCP	V	209.28	0.003	26.75	25.95
51A	15" RCP	IV	186.14	0.005	24.56	23.63
51B	15" RCP	IV	152.34	0.012	27.42	25.80



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
25	VER-C	447+67.78	33.69	32.07	4.06	1" CABLE
26	VER-C	447+77.96	-45.08	32.11	2.56	1" CABLE
27 A	TU-W	447+77.93	-47.96	32.22	6.60	15" PLASTIC
27 B	EX-CON	447+77.93	-47.96	32.22	2.14	3" STEEL CONDUIT
28	TU-W	806+92.11	24.43	32.32	3.54	12 3/4" PLASTIC
29	SC-S	448+61.41	22.70	32.58	5.62	8 3/4" PLASTIC
30	VER-C	448+61.18	39.67	32.77	3.62	2" CABLE
31	TU-W	449+99.51	-47.02	32.88	4.27	12 3/4" PLASTIC
32	VER-C	449+99.88	22.14	32.51	2.88	2" CABLE
33	SC-S	450+00.16	25.99	32.40	3.82	4 1/2" PLASTIC
42	TU-W	443+23.80	-49.40	32.73	7.10	15" PLASTIC CASING
43	TU-W	449+10.54	-52.11	32.76	6.02	15" PLASTIC CASING
44	TU-W	449+16.59	-54.30	32.99	5.32	12 3/4" PLASTIC
47	SC-S	447+01.00	23.00	31.60	2.83	4 1/2" PLASTIC
52	TU-W	447+60.07	-44.40	32.46	2.94	15 1/2" PL CASING
53	TU-W	809+33.91	-29.76	32.24	11.03	15 1/2" PLASTIC

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
73	CU-G	447+56.73	35.25	32.52	9.44	8 1/2" PLASTIC
74	CU-G	807+02.01	23.69	31.43	2.98	8 1/2" PLASTIC

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
11	CAPPED REBAR	447+73.73	-58.67	263680.6353	734267.5530
12	CAPPED REBAR	447+98.51	-76.31	263710.9273	734270.3246
13	CAPPED REBAR	446+69.24	60.00	263524.0366	734289.4586
14	CAPPED REBAR	446+69.24	65.00	263520.7779	734293.2508
15	CAPPED REBAR	809+08.21	55.00	263652.7899	734441.1034
16	CAPPED REBAR	449+22.67	-50.00	263722.7689	734447.0427
17	CAPPED REBAR	807+32.30	-43.94	263797.5005	734336.5758

ADDENDA / REVISIONS

1 REVISED SIDEWALK WIDTH FROM 6' TO 5' FROM STA 449+10 TO STA 451+30 LT — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-03

SECTION	SHEET NO.
AEC	15A

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
31	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	801.00
47	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	11.00
53	PCC CURB, TYPE 2	252.00
~~55~~	~~INTEGRAL PCC CURB AND GUTTER, TYPE 1-8~~	~~43.00~~ 1

CONVERT TO MANHOLE SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
2	452+62.95	18.77	29.42	20.88
3	454+12.67	17.94	28.00	20.38
4	456+62.04	16.49	26.00	19.90
5	457+30.43	16.65	25.72	19.90
6	458+12.47	17.83	24.95	15.59

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
47	452+62.84	**	48" x 48"	1	***	18.74	SUMP-2.23'
48	454+12.68	**	48" x 48"	1	***	17.24	SUMP-1.78'
48A	455+23.00	**	48" x 48"	1	***	16.96	SUMP-0.97'
49	456+64.00	**	72" x 48"	2-#1	***	21.83	SUMP
50	457+28.00	**	72" x 24"	2-#1	***	21.51	SUMP
50A	457+95.00	**	34" x 24"	1	***	21.43	SUMP
51	458+49.00	**	72" x 24"	2-#1	***	20.85	SUMP
51A	458+77.14	**	34" x 24"	1	***	21.13	SUMP
51B	459+12.00	**	72" x 24"	2-#1	***	21.43	SUMP
51C	460+00.00	**	72" x 24"	2-#1	***	21.67	SUMP

**MATCH PROPOSED CURBLINE
***MATCH FLOWLINE OF PROPOSED CURB & GUTTER

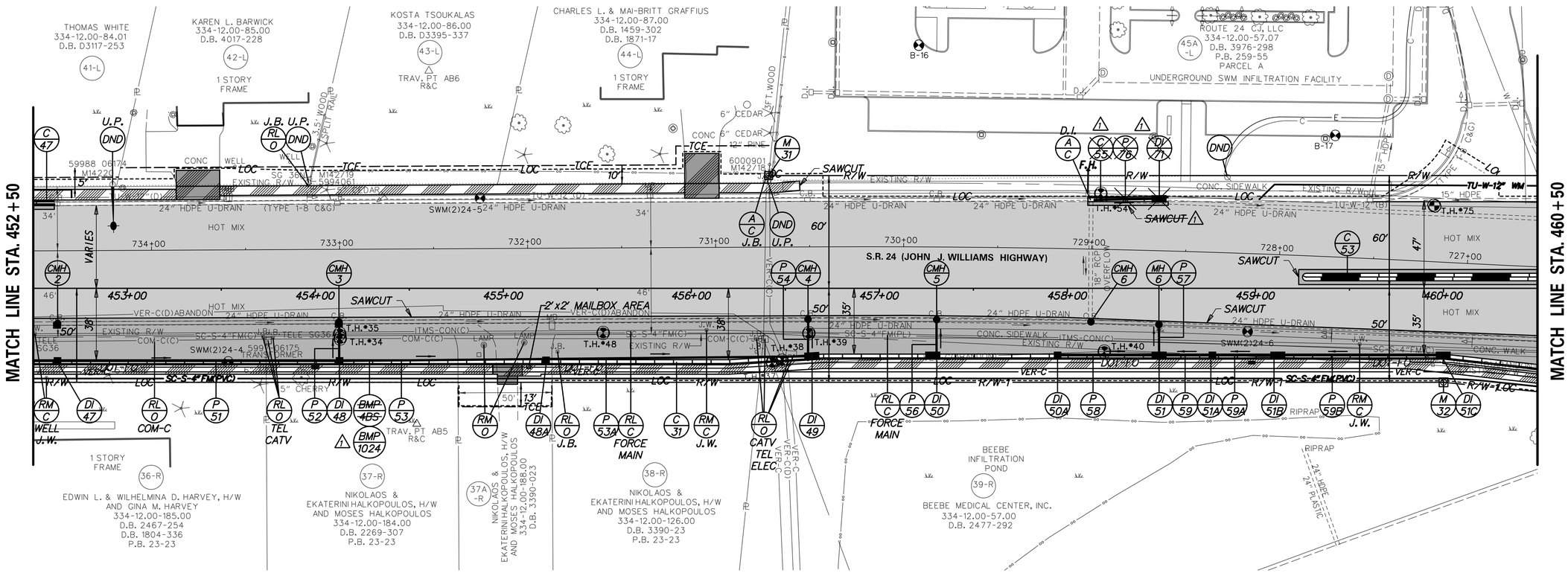
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
51	24" PERF HDPE	N/A	146.02	0.0055	18.74	17.93
*52	15" RCP	V	17.34	0.0075	23.77	23.64
53	24" PERF HDPE	N/A	105.89	0.0026	17.24	16.96
53A	24" PERF HDPE	N/A	136.35	0.0024	16.96	16.63
*54	15" RCP	V	16.15	0.0142	21.83	21.60
*56	15" RCP	V	15.65	0.0166	21.51	21.25
57	18" RCP	V	13.01	0.0100	20.85	20.72
58	15" RCP	V	49.60	0.0028	21.43	21.29
59	15" RCP	V	23.98	0.0033	21.13	21.05
59A	15" RCP	V	30.31	0.0043	21.43	21.30
59B	15" RCP	V	81.99	0.0029	21.67	21.43

*OVERFLOW PIPE

MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INV. EL.	
6	458+49.00	17.80	48" x 48"	25.50	15.43	DOGHOUSE



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
34	COM-C	454+12.98	24.22	27.59	3.36	3/4" CABLE
35	SC-S	454+12.98	24.22	27.76	1.59	4 1/2" PLASTIC
37	COM-C	456+43.08	39.47	25.64	0.98	1 3/4" CABLE
37 A	VER-C	456+43.08	39.47	25.64	1.80	(3) 4 1/4" PLASTIC
38	VER-C	456+48.23	38.46	25.72	2.61	2.25" & 1.5" PLASTIC
39	SC-S	456+62.48	23.88	25.57	3.40	4 1/2" PLASTIC
40	VER-C	458+19.61	33.63	25.49	3.75	2" CABLE
48	SC-S	455+53.00	48.00	26.30	3.13	4 1/2" PLASTIC
54	TU-W	458+17.76	-50.45	25.60	3.78	12 3/4" PLASTIC
75	TU-W	459+95.13	-44.04	26.48	3.86	12 1/2" PLASTIC

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
1 ~~ABS~~ 1024	UNDERGROUND INFILTRATION ~~TRENCH~~ 1	STA. 452+65 RT. TO STA. 456+60 RT.

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
31	CAPPED REBAR	456+41.11	-60.00	264339.3658	734831.8465
32	CAPPED REBAR	460+00.00	50.00	264539.8734	735149.1733

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS; REMOVAL OF DRAINAGE AT 458+50 LT — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-04 | SECTION AEC | SHEET NO. 16

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
32A	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	416.00
32	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	398.00
39	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	71.00
54	PCC CURB, TYPE 2	682.00

CONVERT TO MANHOLE SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
7	461+11.43	27.90	25.97	14.20
8	465+24.24	33.57	27.50	16.58
9	467+11.73	34.93	28.12	16.51

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
*55	15" RCP	V	13.61	0.0051	21.97	21.90
60	24" PERF HDPE	N/A	112.06	0.0027	18.40	18.10
61	24" PERF HDPE	N/A	153.95	0.0030	18.86	18.40
*62	18" RCP	IV	29.94	0.0080	21.00	20.76
*63	18" RCP	IV	24.48	0.0061	22.45	22.30

*OVERFLOW PIPE

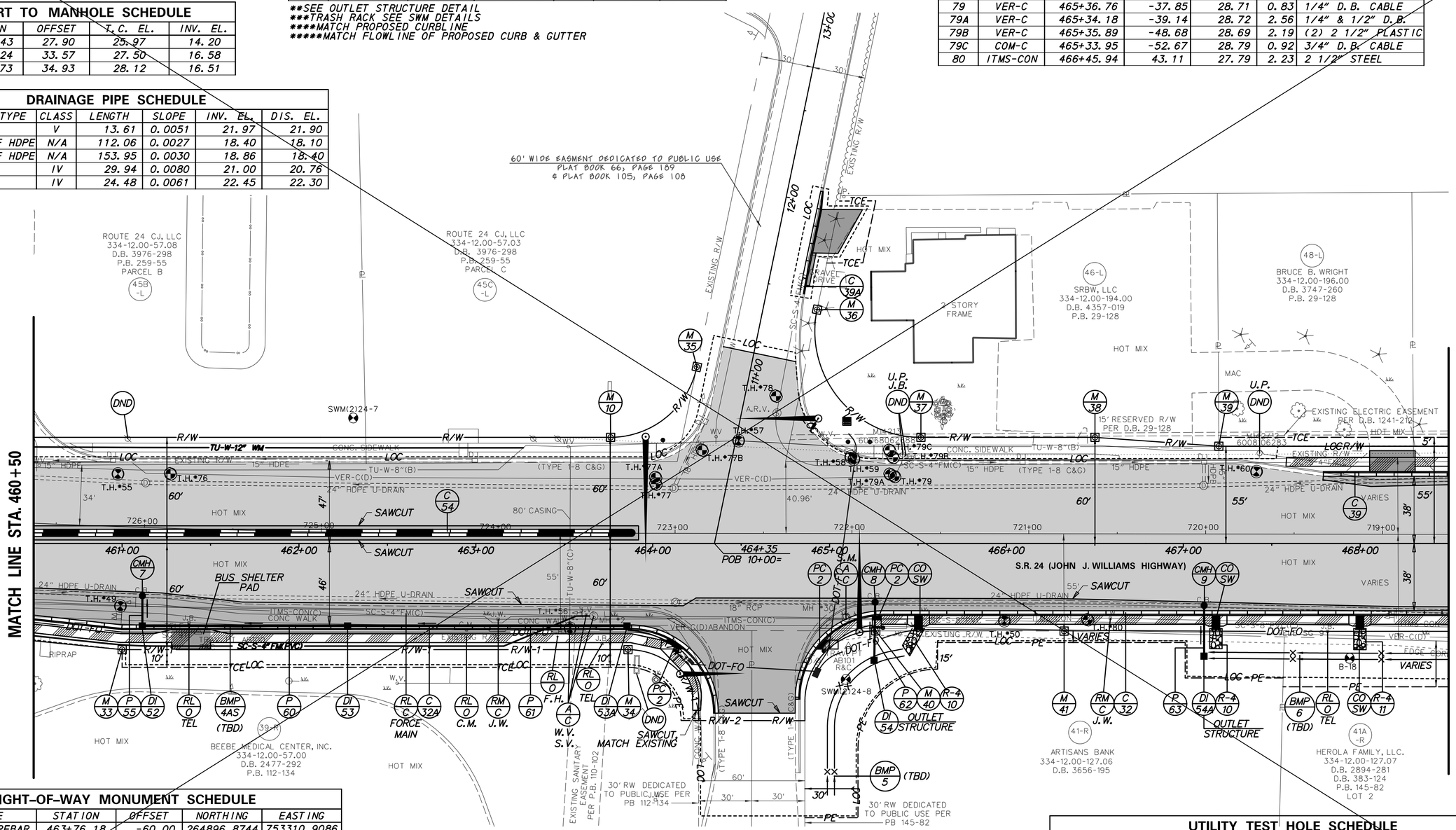
DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
52	461+11.39	****	48" x 48"	1	*****	21.97	SUMP
53	462+58.00	****	48" x 48"	1	*****	18.40	SUMP
53A	463+85.38	****	48" x 48"	1	*****	18.86	SUMP
54	465+25.25	65.92	34" x 24"	***	**27.00	21.00	
54A	467+11.62	63.44	34" x 24"	***	**26.60	22.45	

**SEE OUTLET STRUCTURE DETAIL
***TRASH RACK SEE SWM DETAILS
****MATCH PROPOSED CURBLINE
*****MATCH FLOWLINE OF PROPOSED CURB & GUTTER

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
76	VER-C	461+27.37	-39.38	26.84	3.04	1/2" D.B. CABLE
77	VER-C	464+01.77	-33.60	27.88	4.51	2 1/2" PLASTIC
77A	VER-C	464+01.63	-37.33	27.79	2.62	1/4" & 1/2" D.B.
77B	VER-C	464+27.91	-52.77	28.22	3.56	(2) 2 1/2" PLASTIC
78	SC-S	464+69.70	-83.30	28.10	3.50	4 1/2" PLASTIC
79	VER-C	465+36.76	-37.85	28.71	0.83	1/4" D.B. CABLE
79A	VER-C	465+34.18	-39.14	28.72	2.56	1/4" & 1/2" D.B.
79B	VER-C	465+35.89	-48.68	28.69	2.19	(2) 2 1/2" PLASTIC
79C	COM-C	465+33.95	-52.67	28.79	0.92	3/4" D.B. CABLE
80	ITMS-CON	466+45.94	43.11	27.79	2.23	2 1/2" STEEL



RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
10	CAPPED REBAR	463+76.18	-60.00	264896.8744	753310.9086
33	CAPPED REBAR	461+00.00	60.00	264609.2012	735221.9308
34	CAPPED REBAR	463+86.02	60.00	264826.1293	735408.3352
35	CAPPED REBAR	464+24.91	-99.83	264959.7948	735312.4625
36	CAPPED REBAR	464+92.89	-132.18	265032.4408	735332.2315
37	CAPPED REBAR	465+51.64	-60.00	265029.9528	735425.2605
38	CAPPED REBAR	466+50.03	-60.00	265104.5781	735489.3865
39	CAPPED REBAR	467+20.06	-55.00	265154.4359	735538.8212
40	CAPPED REBAR	465+26.08	49.37	264939.2889	735491.5600
41	CAPPED REBAR	466+32.56	49.51	265019.9571	735561.0628

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
4AS	INFILTRATION TRENCH	STA. 461+13 RT. TO STA. 463+83 RT.
5	INFILTRATION SWALE	STA. 465+00 RT. TO STA. 465+46 RT.
6	INFILTRATION SWALE	STA. 467+10 RT. TO STA. 472+53 RT.

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
49	SC-S	461+00.00	36.00	26.28	4.17	4 1/2" PLASTIC
50	SC-S	465+98.80	43.68	27.38	5.55	8 3/4" PLASTIC
55	TU-W	460+97.65	-39.33	26.71	3.37	12 3/4" PLASTIC
56	TU-W	463+53.28	47.97	27.37	6.23	12 3/4" PL CASING
57	TU-W	464+48.55	-58.10	27.61	3.58	12 3/4" PLASTIC
58	SC-S	465+11.96	-48.93	28.43	5.88	4 3/4" PLASTIC
59	VER-C	465+13.74	-47.72	28.39	2.52	(2) 2 1/2" PLASTIC
60	SC-S	467+41.38	-40.67	29.21	16.71	4 3/4" PLASTIC

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS; REVISED DRIVEWAY LAYOUTS — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-05
SECTION
AEC
SHEET NO.
17

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
32A	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	416.00
32	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	398.00
39	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	71.00
54	PCC CURB, TYPE 2	682.00

CONVERT TO MANHOLE SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
7	461+11.43	27.90	25.97	14.20
8	465+24.24	33.57	27.50	16.58
9	467+11.73	34.93	28.12	16.51

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
*55	15" RCP	V	13.61	0.0051	21.97	21.90
60	24" PERF HDPE	N/A	112.06	0.0027	18.40	18.10
61	24" PERF HDPE	N/A	153.95	0.0030	18.86	18.40
*62	18" RCP	IV	29.94	0.0080	21.00	20.76
*63	18" RCP	IV	24.48	0.0061	22.45	22.30

*OVERFLOW PIPE

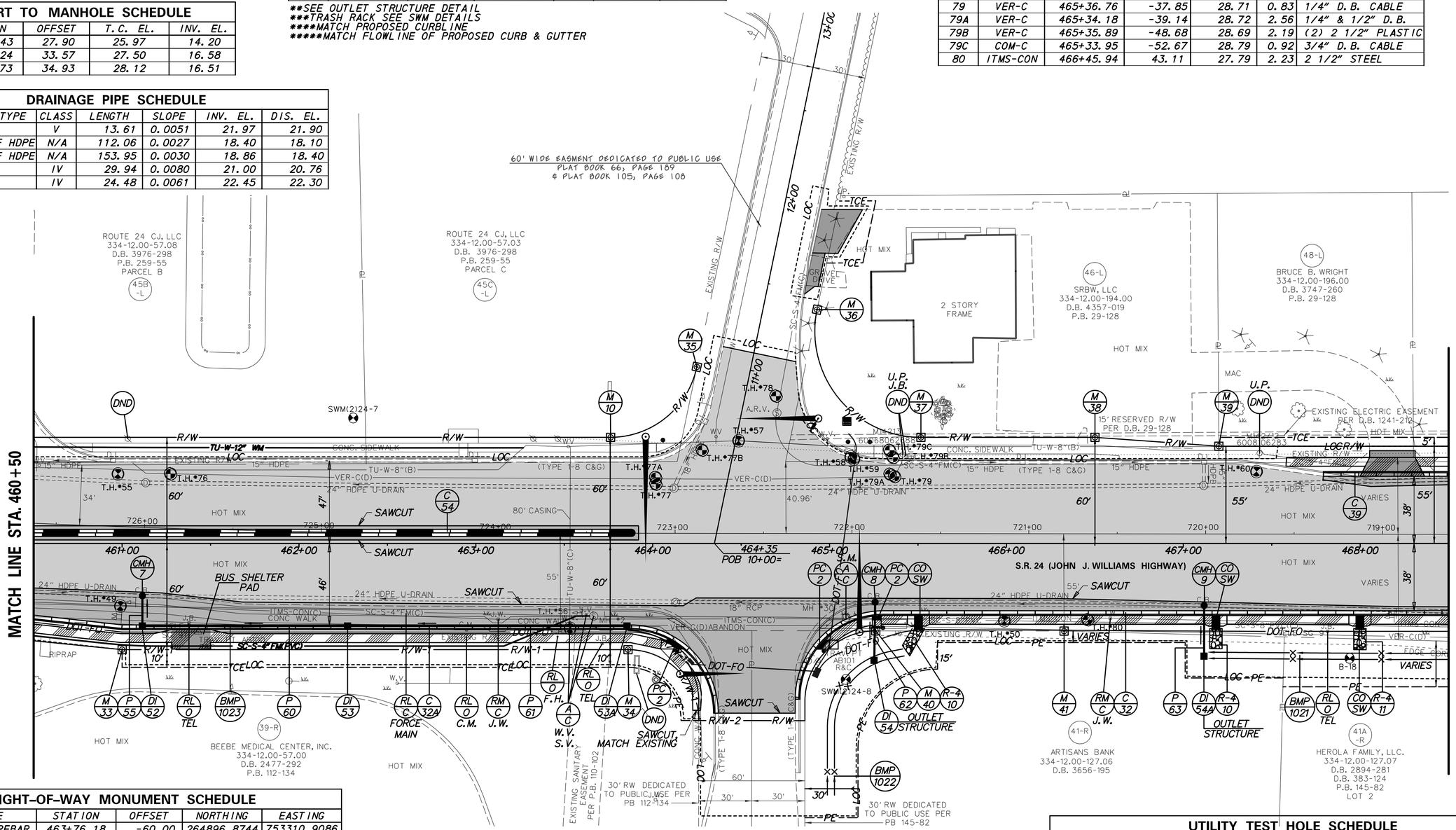
DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
52	461+11.39	****	48" x 48"	1	*****	21.97	SUMP
53	462+58.00	****	48" x 48"	1	*****	18.40	SUMP
53A	463+85.38	****	48" x 48"	1	*****	18.86	SUMP
54	465+25.25	65.92	34" x 24"	***	**27.00	21.00	
54A	467+11.62	63.44	34" x 24"	***	**26.60	22.45	

**SEE OUTLET STRUCTURE DETAIL
***TRASH RACK SEE SWM DETAILS
****MATCH PROPOSED CURBLINE
*****MATCH FLOWLINE OF PROPOSED CURB & GUTTER

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
76	VER-C	461+27.37	-39.38	26.84	3.04	1/2" D.B. CABLE
77	VER-C	464+01.77	-33.60	27.88	4.51	2 1/2" PLASTIC
77A	VER-C	464+01.63	-37.33	27.79	2.62	1/4" & 1/2" D.B.
77B	VER-C	464+27.91	-52.77	28.22	3.56	(2) 2 1/2" PLASTIC
78	SC-S	464+69.70	-83.30	28.10	3.50	4 1/2" PLASTIC
79	VER-C	465+36.76	-37.85	28.71	0.83	1/4" D.B. CABLE
79A	VER-C	465+34.18	-39.14	28.72	2.56	1/4" & 1/2" D.B.
79B	VER-C	465+35.89	-48.68	28.69	2.19	(2) 2 1/2" PLASTIC
79C	COM-C	465+33.95	-52.67	28.79	0.92	3/4" D.B. CABLE
80	ITMS-CON	466+45.94	43.11	27.79	2.23	2 1/2" STEEL



RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
10	CAPPED REBAR	463+76.18	-60.00	264896.8744	753310.9086
33	CAPPED REBAR	461+00.00	60.00	264609.2012	735221.9308
34	CAPPED REBAR	463+86.02	60.00	264826.1293	735408.3352
35	CAPPED REBAR	464+24.91	-99.83	264959.7948	735312.4625
36	CAPPED REBAR	464+92.89	-132.18	265032.4408	735332.2315
37	CAPPED REBAR	465+51.64	-60.00	265029.9528	735425.2605
38	CAPPED REBAR	466+50.03	-60.00	265104.5781	735489.3865
39	CAPPED REBAR	467+20.06	-55.00	265154.4359	735538.8212
40	CAPPED REBAR	465+26.08	49.37	264939.2889	735491.5600
41	CAPPED REBAR	466+32.56	49.51	265019.9571	735561.0628

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
1023	UNDERGROUND INFILTRATION	STA. 461+13 RT. TO STA. 463+83 RT.
1022	INFILTRATION TRENCH	STA. 465+00 RT. TO STA. 465+46 RT.
1021	INFILTRATION TRENCH	STA. 467+10 RT. TO STA. 472+53 RT.

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
49	SC-S	461+00.00	36.00	26.28	4.17	4 1/2" PLASTIC
50	SC-S	465+98.80	43.68	27.38	5.55	8 3/4" PLASTIC
55	TU-W	460+97.65	-39.33	26.71	3.37	12 3/4" PLASTIC
56	TU-W	463+53.28	47.97	27.37	6.23	12 3/4" PL CASING
57	TU-W	464+48.55	-58.10	27.61	3.58	12 3/4" PLASTIC
58	SC-S	465+11.96	-48.93	28.43	5.88	4 3/4" PLASTIC
59	VER-C	465+13.74	-47.72	28.39	2.52	(2) 2 1/2" PLASTIC
60	SC-S	467+41.38	-40.67	29.21	16.71	4 3/4" PLASTIC

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS; REVISED DRIVEWAY LAYOUTS — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-05
SECTION
AEC
SHEET NO.
17A

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DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
3	477+36.00	**	34" x 24"	1	***	23.25	SUMP
12A	474+70.53	**	72" x 24"	2-#1	***	22.50	SUMP-0.76'
12B	474+18.00	**	48" x 30"	1	***	22.10	SUMP-0.58'
12C	473+11.00	**	34" x 24"	1	***	22.40	SUMP-1.12'
12D	473+54.00	**	48" x 30"	1	***	22.30	SUMP-0.90'
13	471+28.00	**	72" X 48"	2-#1	***	22.20	SUMP
54E	474+65.00	**	48" x 48"	1	***	18.78	DOGHOUSE

**MATCH PROPOSED CURBLINE
***MATCH FLOWLINE OF PROPOSED CURB & GUTTER

DRAINAGE PIPE SCHEDULE

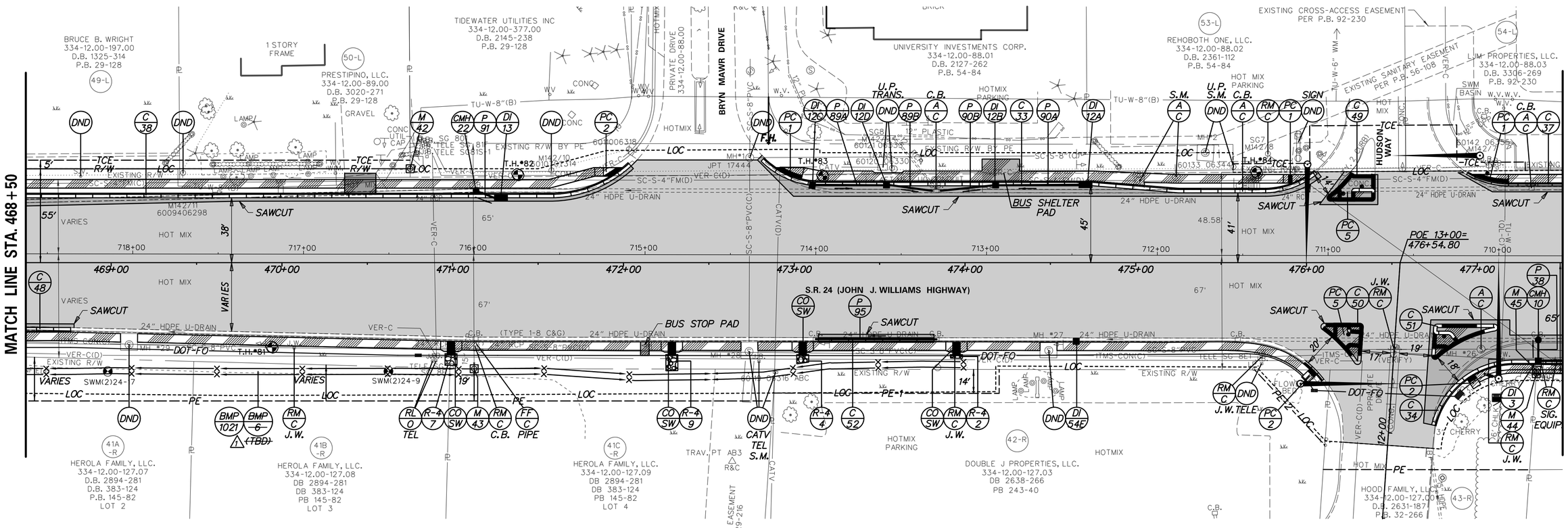
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
38	18" RCP	V	9.64	0.0301	23.25	22.96
89A	15" RCP	IV	40.47	0.0025	22.40	22.30
89B	15" RCP	IV	26.09	0.0038	22.30	22.20
90A	15" RCP	IV	70.10	0.0029	22.50	22.30
90B	15" RCP	IV	31.58	0.0032	22.10	22.00
91	15" RCP	IV	9.89	0.0202	22.20	22.00
95	24" PERF HDPE	N/A	70.75	0.0016	18.59	18.48

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
81	ITMS-CON	469+94.19	49.45	28.62	2.76	2 1/2" STEEL
82	VER-C	471+38.19	-51.53	28.35	2.84	2" D.B. CABLE
83	VER-C	473+16.69	-50.88	28.23	2.58	2" D.B. CABLE
84	VER-C	475+70.72	-52.98	28.14	3.14	2" D.B. CABLE

CONVERT TO MANHOLE SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
10	477+35.74	45.37	27.70	19.26
22	471+13.65	-42.25	28.55	17.44



RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
42	CAPPED REBAR	470+75.07	-55.00	265423.6909	735770.1896
43	CAPPED REBAR	471+12.55	62.14	265375.7726	735883.4591
44	CAPPED REBAR	477+34.53	65.00	265845.6555	736290.9973

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
1 ~~6~~ 1021	INFILTRATION ~~SWALE~~ TRENCH 1	STA. 467+10 RT. TO STA. 472+53 RT.
1 ~~P 95~~	~~INFILTRATION TRENCH~~	~~STA. 473+13 RT. TO STA. 473+83 RT.~~

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
33	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	333.00
34	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	95.00
37	INTEGRAL PCC CURB AND GUTTER, TYPE 3-8	58.00
38	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	359.00
48	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	26.00
49	PCC CURB, TYPE 2*	83.00
50	PCC CURB, TYPE 2*	92.00
51	PCC CURB, TYPE 2*	116.00
52	INTEGRAL PCC CURB AND GUTTER, TYPE 1-8	68.00

*CURB ITEM INCIDENTAL TO ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	T200411209
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	D. SEMPLE
CHECKED BY:	A. MELVIN

CONSTRUCTION PLAN

CP-06
SECTION: AEC
SHEET NO.: 18

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
45	INTERGRAL CURB AND GUTTER, TYPE 1-8	452.00
46	INTERGRAL CURB AND GUTTER, TYPE 1-8	685.00

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
69	18" RCP	0.0072	NO

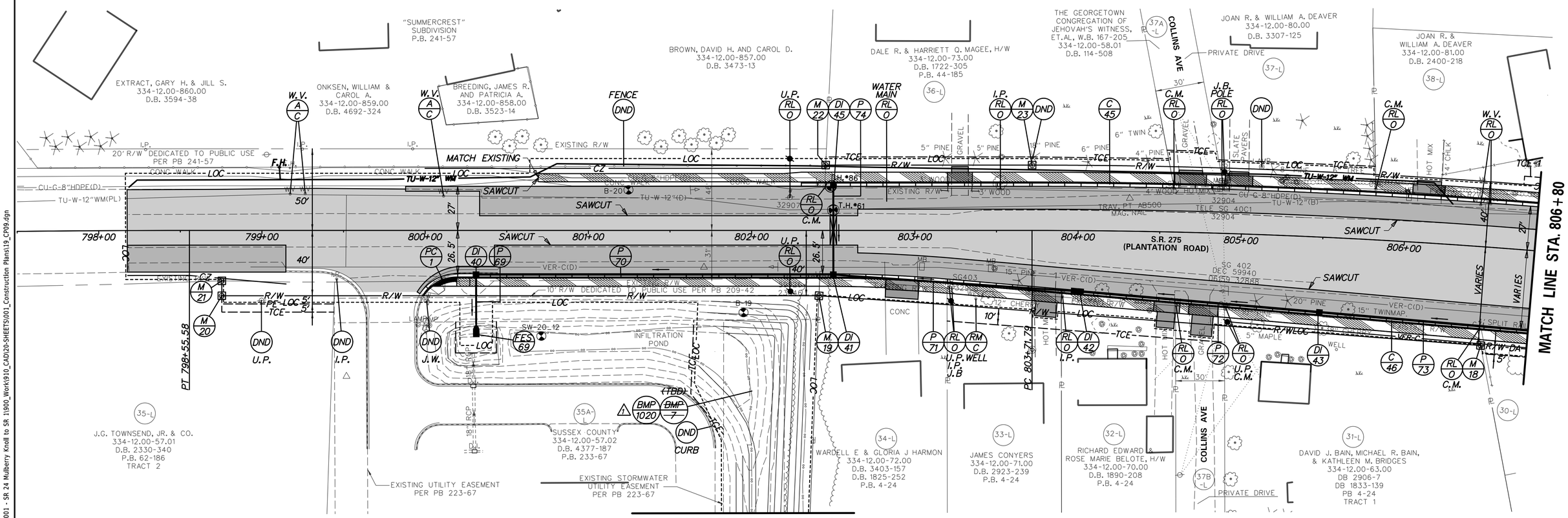
DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
40	800+31.00	*	48" x 30"	1	**	24.30	SUMP
41	802+50.00	*	48" x 30"	1	**	25.50	SUMP
42	804+00.00	*	72" x 24"	2-#1	**	26.45	SUMP
43	805+50.00	*	34" x 24"	1	**	27.00	SUMP
45	802+50.00	*	34" x 24"	1	**	25.72	SUMP

*MATCH PROPOSED CURBLINE
**MATCH FLOWLINE OF PROPOSED CURB & GUTTER

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INV. EL.	DIS. EL.
69	18" RCP	IV	27.80	0.0072	24.30	24.10
70	18" RCP	V	214.88	0.0047	25.50	24.50
71	15" RCP	V	144.78	0.0055	26.45	25.66
72	15" RCP	V	144.39	0.0026	27.00	26.45
73	15" RCP	V	144.43	0.0029	27.50	27.08
74	15" RCP	V	52.82	0.0004	25.72	25.70



MATCH LINE (SHEET CP-10)

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
1 ~~7~~ 1020	INFILTRATION BASIN EXPANSION	STA. 800+19 RT. TO STA. 802+01 RT.

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
61	TU-W	802+50.01	-12.45	29.95	3.19	12 3/4" PLASTIC
86	CU-G	802+48.55	-27.01	29.95	3.19	8 1/2" PLASTIC

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
18	CAPPED REBAR	806+51.24	60.38	263805.7299	734204.8353
19	CAPPED REBAR	802+41.25	40.00	264139.8199	733973.3184
20	CAPPED REBAR	798+75.40	40.00	264424.0785	733743.0027
21	CAPPED REBAR	798+75.42	30.87	264429.8097	733750.1077
22	CAPPED REBAR	802+45.36	-40.00	264186.9900	734038.0630
23	CONCRETE	803+71.81	-40.00	264088.7361	734117.6715

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-08

SECTION	SHEET NO.
AEC	20

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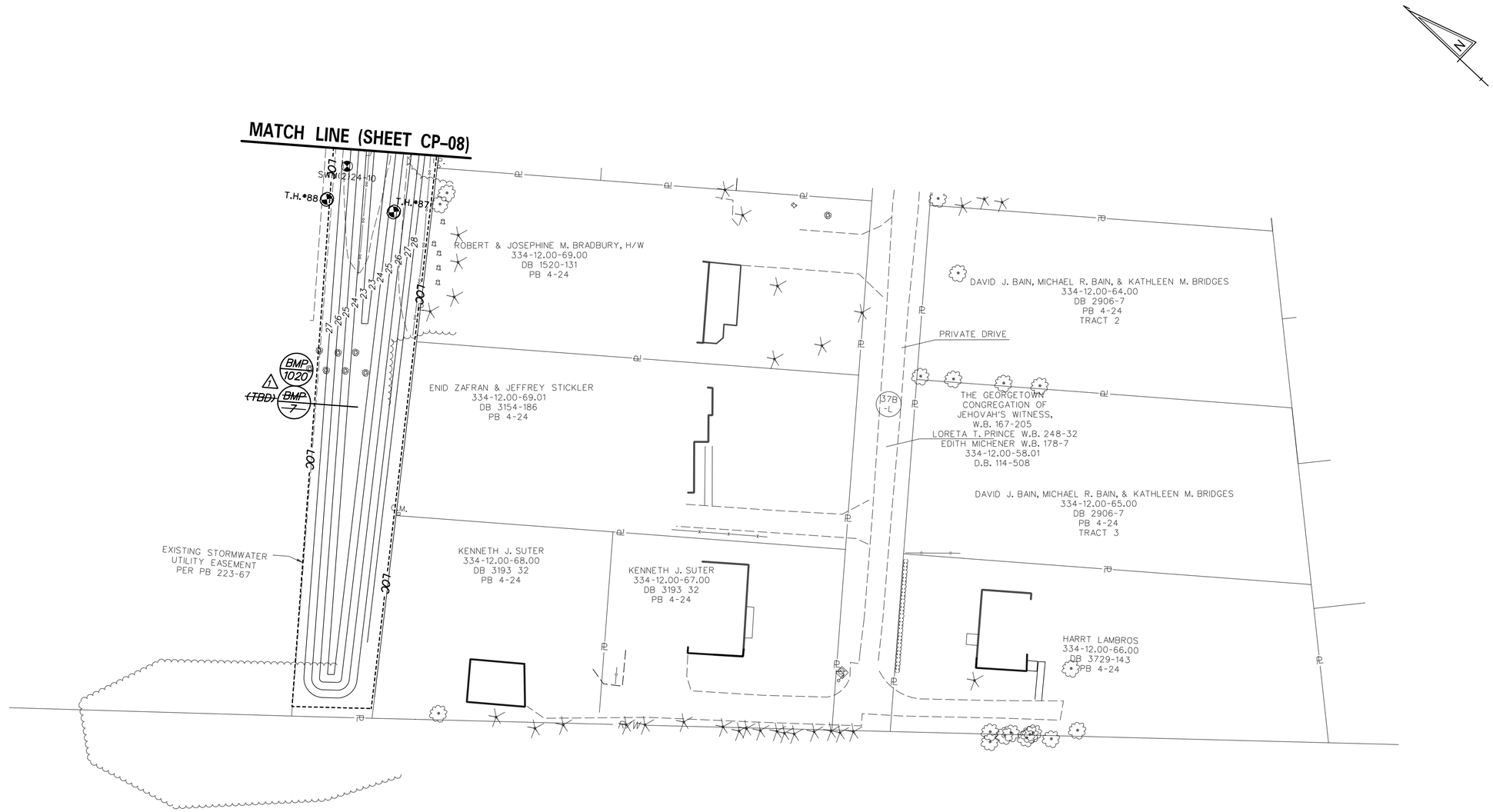

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
87	CU-G	802+14.99	203.67	27.82	2.65	1" PLASTIC
88	CU-G	801+80.14	199.79	27.68	7.96	1" PLASTIC

ADDENDA / REVISIONS

1 REVISED BMP NUMBERS AND DESCRIPTIONS — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION PLAN

CP-10
SECTION
AEC
SHEET NO.
22

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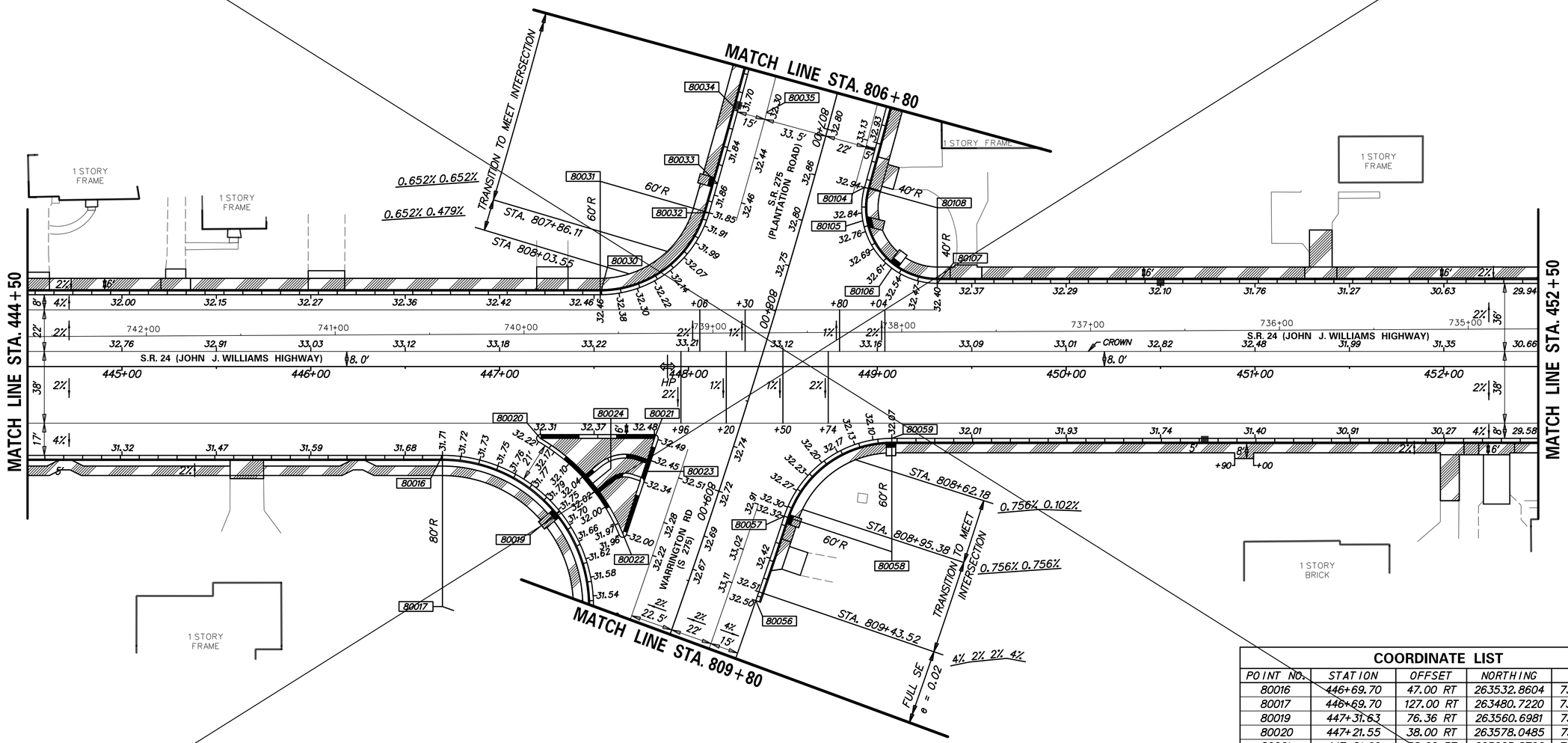
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80022	809+37.63	41.15 RT	263578.3036	734373.5436
80023	809+01.90	39.23 RT	263609.6556	734357.0878
80032	807+59.90	48.50 RT	263723.5871	734274.5938
80033	807+43.53	48.50 RT	263737.0945	734265.7153
80034	807+03.05	48.50 RT	263770.3304	734243.5133
80035	806+99.74	33.50 RT	263781.4429	734254.1062
80056	809+48.41	37.00 LT	263608.6171	734446.3729
80057	809+01.72	37.00 LT	263649.1435	734422.2940
80104	807+24.38	27.00 LT	263794.7658	734318.0498



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
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80017	446+69.70	127.00 RT	263480.7220	734340.5766
80019	447+31.63	76.36 RT	263560.6981	734342.5317
80020	447+21.55	38.00 RT	263578.0485	734306.8641
80021	447+81.96	38.00 RT	263623.8702	734346.2382
80024	447+47.71	63.11 RT	263581.5223	734342.9613
80030	447+53.26	38.00 LT	263651.6346	734269.8917
80031	447+53.26	98.00 LT	263690.7384	734224.3846
80058	449+07.68	98.01 RT	263680.1058	734473.6879
80059	449+07.68	38.01 RT	263719.2096	734428.1808
80105	448+92.32	77.15 LT	263782.6197	734330.8310
80106	449+07.65	52.06 LT	263777.8946	734359.8442
80107	449+31.73	44.00 LT	263790.9061	734381.6555
80108	449+31.73	84.00 LT	263816.9753	734351.3175

ADDENDA / REVISIONS

1 REVISED SIDEWALK WIDTH FROM 6' TO 5' FROM STA 449+10 TO STA 451+30 LT — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	T. SINGLE
COUNTY	CHECKED BY:	D. SEMPLE
SUSSEX		

GRADES AND GEOMETRICS

GG-03

SECTION	SHEET NO.
AEC	30

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
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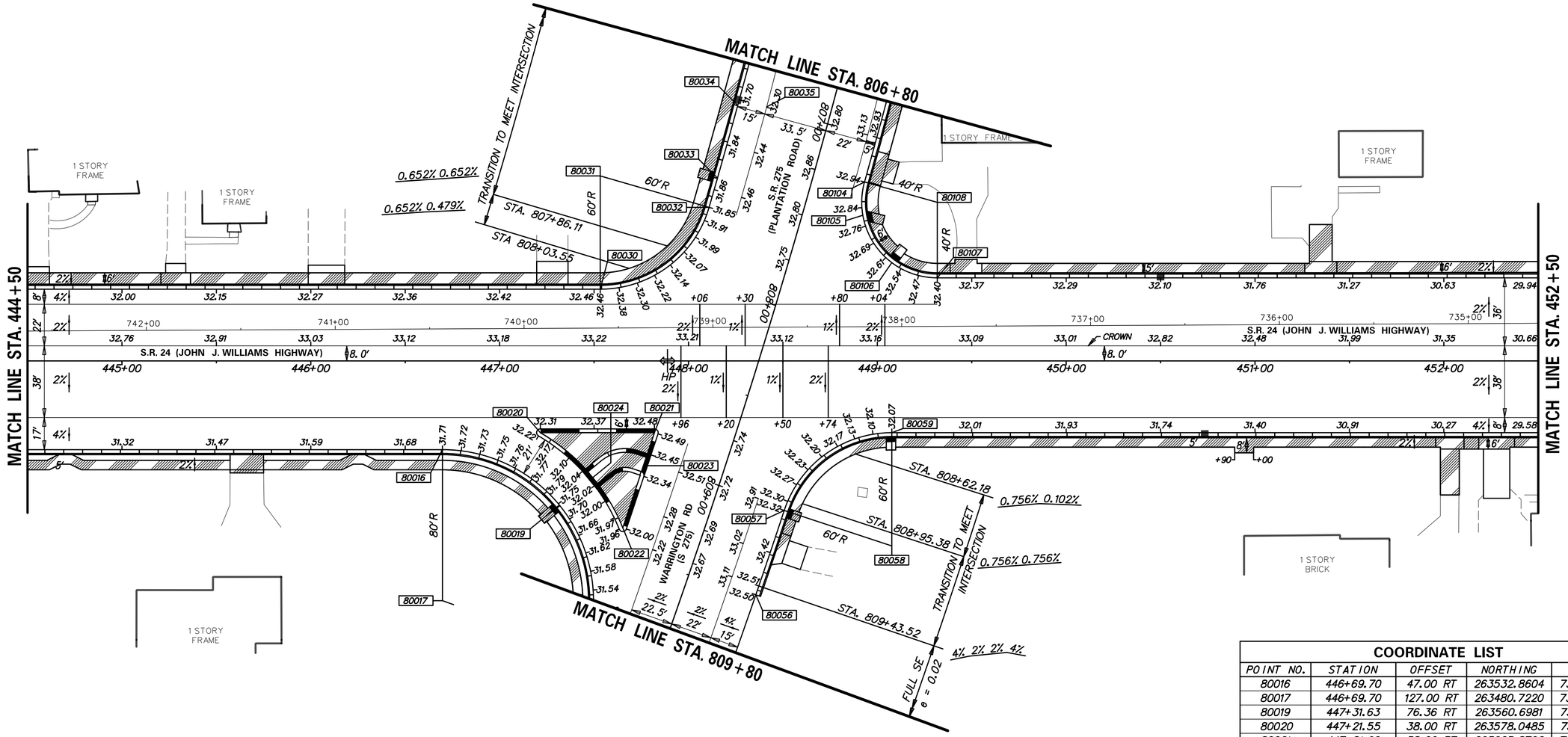
80023	809+01.90	39.23 RT	263609.6556	734357.0878
80032	807+59.90	48.50 RT	263723.5871	734274.5938
80033	807+43.53	48.50 RT	263737.0945	734265.7153
80034	807+03.05	48.50 RT	263770.3304	734243.5133
80035	806+99.74	33.50 RT	263781.4429	734254.1062
80056	809+48.41	37.00 LT	263608.6171	734446.3729
80057	809+01.72	37.00 LT	263649.1435	734422.2940
80104	807+24.38	27.00 LT	263794.7658	734318.0498



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
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80017	446+69.70	127.00 RT	263480.7220	734340.5766
80019	447+31.63	76.36 RT	263560.6981	734342.5317
80020	447+21.55	38.00 RT	263578.0485	734306.8641
80021	447+81.96	38.00 RT	263623.8702	734346.2382
80024	447+47.71	63.11 RT	263581.5223	734342.9613
80030	447+53.26	38.00 LT	263651.6346	734269.8917
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80058	449+07.68	98.01 RT	263680.1058	734473.6879
80059	449+07.68	38.01 RT	263719.2096	734428.1808
80105	448+92.32	77.15 LT	263782.6197	734330.8310
80106	449+07.65	52.06 LT	263777.8946	734359.8442
80107	449+31.73	44.00 LT	263790.9061	734381.6555
80108	449+31.73	84.00 LT	263816.9753	734351.3175

ADDENDA / REVISIONS

1 REVISED SIDEWALK WIDTH FROM 6' TO 5' FROM STA 449+10 TO STA 451+30 LT — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	T. SINGLE
COUNTY	CHECKED BY:	D. SEMPLE
SUSSEX		

GRADES AND GEOMETRICS

GG-03

SECTION: AEC

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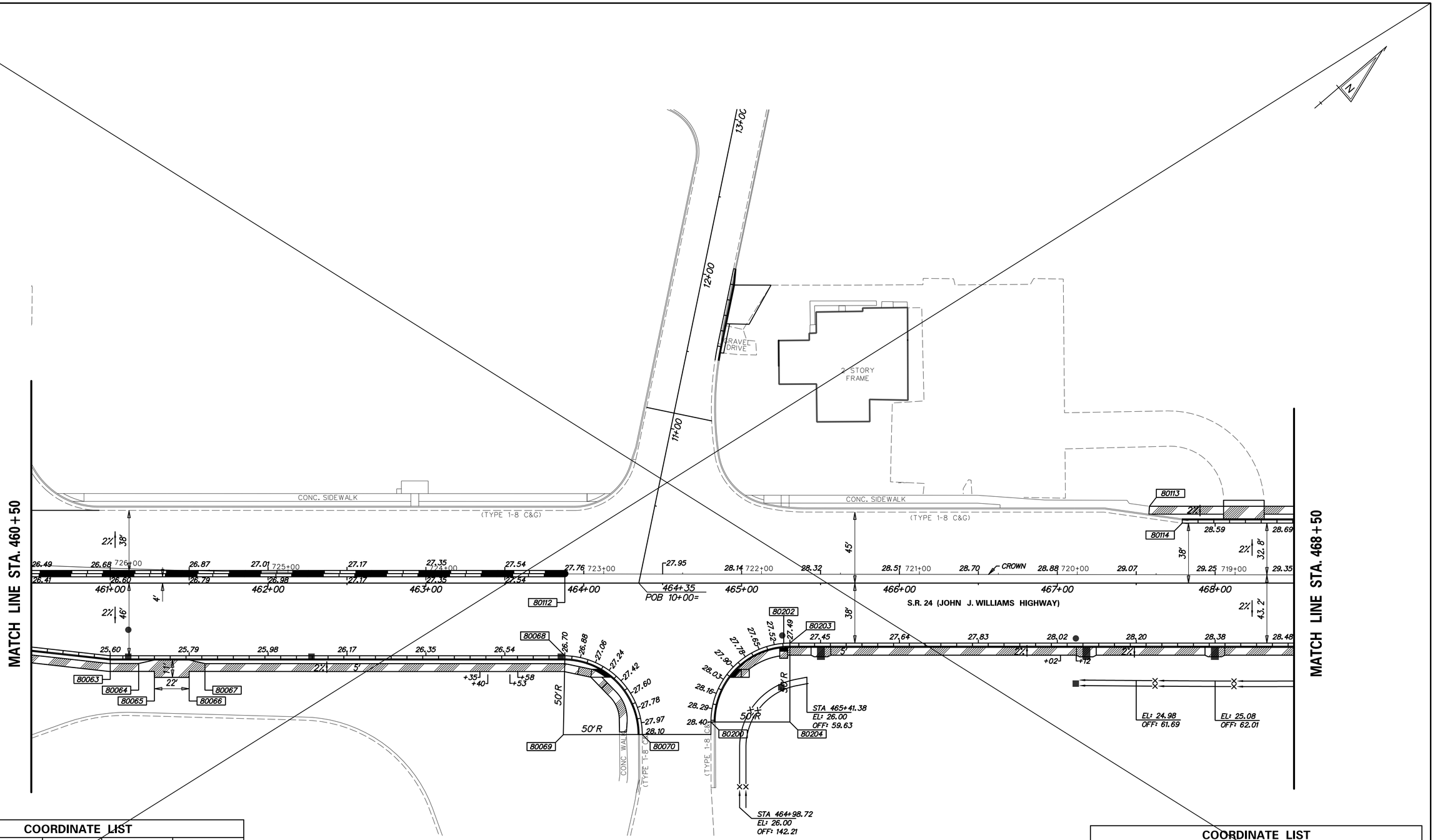

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80063	461+00.00	46.01 RT	264618.3164	735211.3230
80064	461+18.00	50.97 RT	264628.7395	735226.8129
80065	461+28.00	59.68 RT	264630.6465	735239.9374
80066	461+50.00	59.68 RT	264647.3294	735254.2779
80067	461+60.00	51.00 RT	264660.5756	735254.2074
80068	463+88.00	46.01 RT	264836.7482	735399.0195
80069	463+87.02	96.03 RT	264803.4039	735436.3184
80070	464+37.05	95.91 RT	264841.4322	735468.8290

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80112	463+88.00	6.00 LT	264870.6484	735359.5706
80113	467+58.37	48.67 LT	265179.3660	735568.5938
80114	467+79.17	38.00 LT	265188.1859	735590.2364
80200	464+80.56	87.97 RT	264879.6054	735491.1699
80202	465+26.66	38.15 RT	264947.0381	735483.4256
80203	465+30.59	38.00 RT	264950.1233	735485.8756
80204	465+30.56	88.00 RT	264917.5111	735523.7760

ADDENDA / REVISIONS

1 REVISED DRIVEWAY LAYOUTS — D. SEMPLE 10/03/2019

SCALE: 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	T. SINGLE
COUNTY		
SUSSEX	CHECKED BY:	D. SEMPLE

GRADES AND GEOMETRICS

GG-05

SECTION	SHEET NO.
AEC	32

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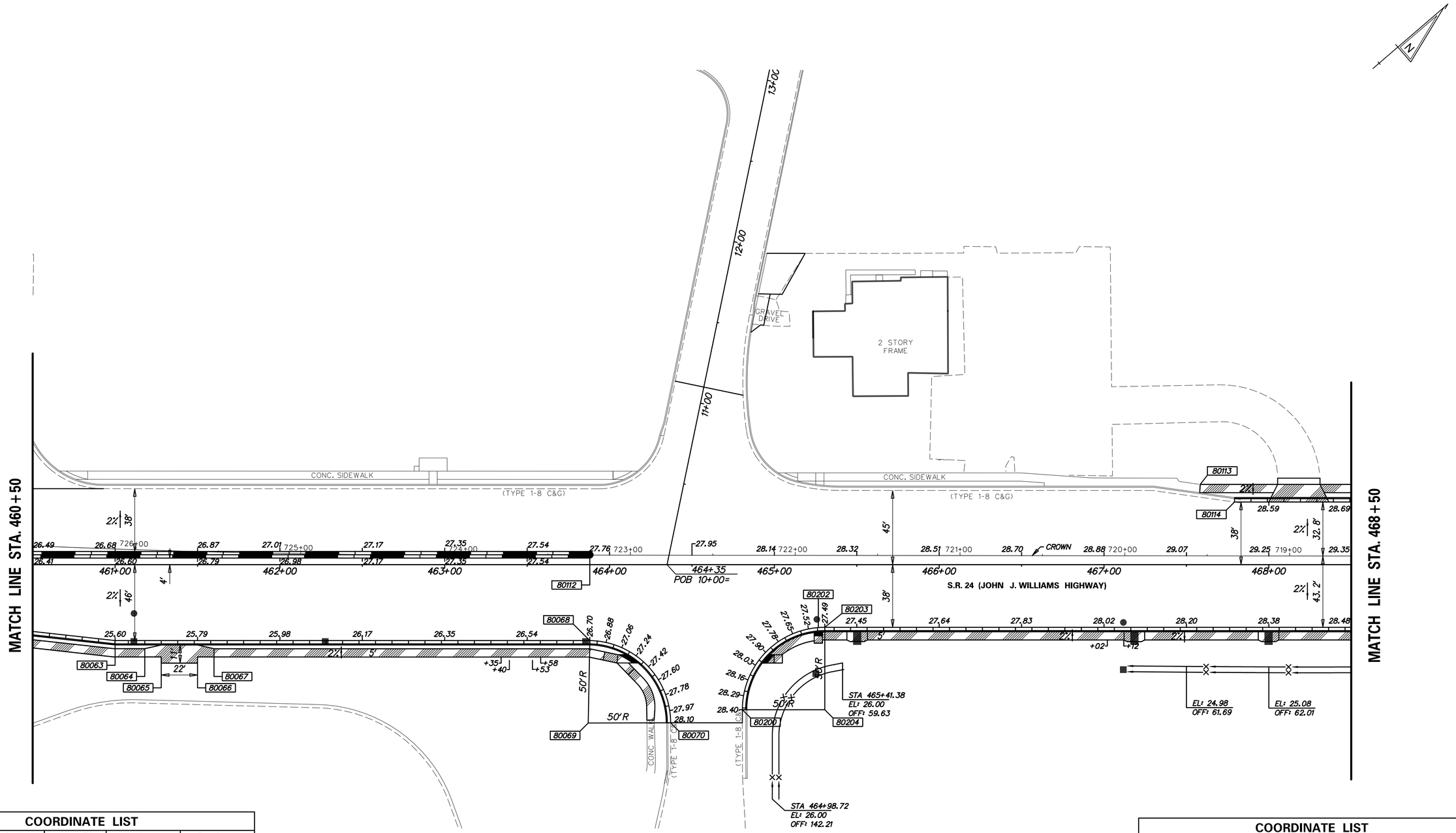

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80063	461+00.00	46.01 RT	264618.3164	735211.3230
80064	461+18.00	50.97 RT	264628.7395	735226.8129
80065	461+28.00	59.68 RT	264630.6465	735239.9374
80066	461+50.00	59.68 RT	264647.3294	735254.2779
80067	461+60.00	51.00 RT	264660.5756	735254.2074
80068	463+88.00	46.01 RT	264836.7482	735399.0195
80069	463+87.02	96.03 RT	264803.4039	735436.3184
80070	464+37.05	95.91 RT	264841.4322	735468.8290

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80112	463+88.00	6.00 LT	264870.6484	735359.5706
80113	467+58.37	48.67 LT	265179.3660	735568.5938
80114	467+79.17	38.00 LT	265188.1859	735590.2364
80200	464+80.56	87.97 RT	264879.6054	735491.1699
80202	465+26.66	38.15 RT	264947.0381	735483.4256
80203	465+30.59	38.00 RT	264950.1233	735485.8756
80204	465+30.56	88.00 RT	264917.5111	735523.7760

ADDENDA / REVISIONS

1 REVISED DRIVEWAY LAYOUTS — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	T. SINGLE
COUNTY		
SUSSEX	CHECKED BY:	D. SEMPLE

GRADES AND GEOMETRICS

GG–05

SECTION: AEC

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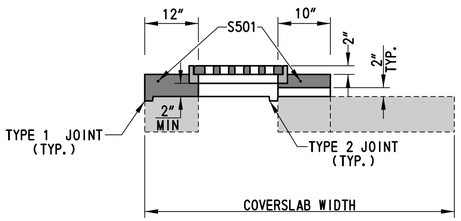
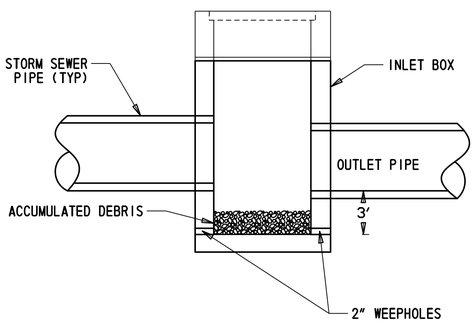
MODIFIED INLET TOP LOCATIONS	
STATION	OFFSET
473+83	42.01' L
475+63	41.81' L
477+32	43.52' L



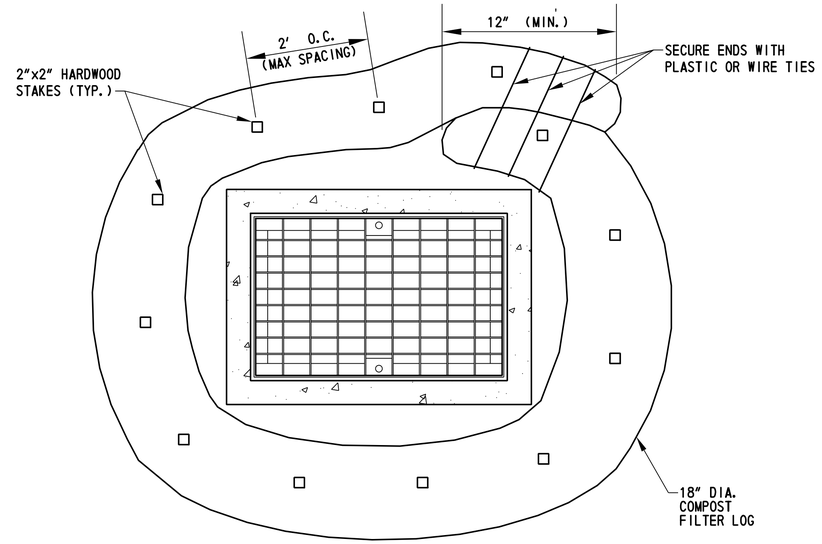
NOTES
1. SEE STANDARD DELDOT DETAIL D-5.
2. THIS MODIFIED INLET TOP APPLIES TO EXISTING INLETS TO REMAIN WHICH WILL FALL WITHIN THE PROPOSED SHOULDER.
3. ADJACENT CURB AND GUTTER AND PAVEMENT SHALL BE WARPED FOR POSITIVE DRAINAGE TO INLET AS NOTED ON GRADES AND GEOMETRICS PLANS.

TYPE A MODIFIED DRAINAGE INLET TOP

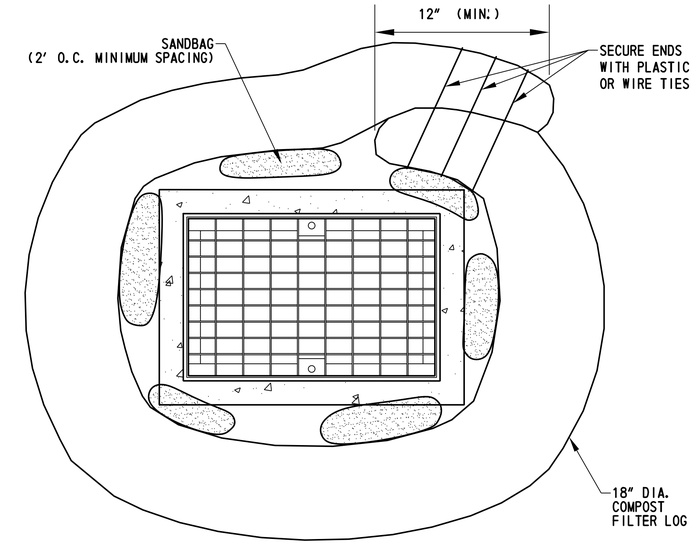


NOTES
1. CONSTRUCT INLET BOX WITH BOTTOM ELEVATION 3'-0", OR AS INDICATED ON CONSTRUCTION PLANS, BELOW THE LOWEST PIPE INVERT OR TO INLET BOX DEPTH 11'-4", WHICHEVER IS LESS. INLET BOX DEPTH SHALL NOT EXCEED 11'-4".
2. DO NOT FORM BOTTOM OF INLET TO CHANNEL THE FLOW TOWARD THE OUTLET PIPE.
3. PROVIDE 2" DIAMETER WEEPHOLES IN THE WALL.
   - HORIZONTAL PLACEMENT: PLACE WEEPHOLES IN THE SIDE WALLS THAT ARE PERPENDICULAR TO TRAFFIC 1' APART.
   - LOCATE WEEPHOLES A MINIMUM OF 6" FROM JOINTS.
   - LOCATE WEEPHOLES AT THE BOX BOTTOM ELEVATION.

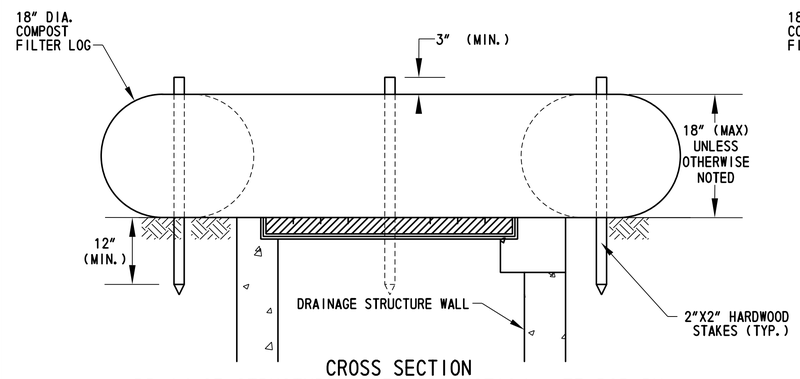
SUMP INLET DETAIL



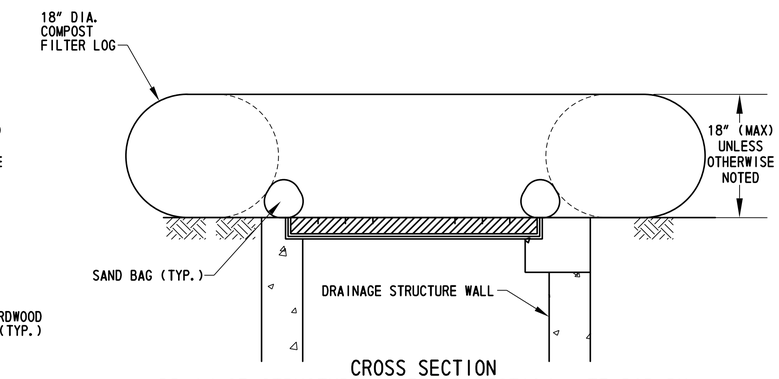
PLAN
DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY



PLAN
DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY



CROSS SECTION
DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY



CROSS SECTION
DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY

GENERAL NOTES :
1. COMPOST FILTER LOGS SHALL BE SECURED TO THE SOIL SURFACE WITH WOODEN POSTS SPACED A MAXIMUM OF 2' APART AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. POSTS SHALL BE DRIVEN CLOSE TO THE INLET TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE. DRIVE POSTS A MINIMUM OF 12" BELOW THE COMPOST FILTER LOG.
3. INSPECT AFTER EVERY RUNOFF EVENT AND REPAIRED AS NECESSARY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE HEIGHT (STORAGE CAPACITY). SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIALS.
4. COMPOST FILTER LOGS SHALL BE 18" * UNLESS OTHERWISE NOTED ON THE PLANS.
5. FOR STEEP SLOPES, DRIVE STAKES ANGLED AT 45 DEGREES TO SURFACE.

PERVIOUS GROUND/STAKED APPLICATION

GENERAL NOTES :
1. COMPOST FILTER LOG ENDS SHALL BE TIED AND SECURED WITH SAND BAGS 2' O.C. AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. SANDBAGS SHALL PLACED CLOSE TO THE INLET TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE.
3. INSPECT AFTER EVERY RUNOFF EVENT AND REPAIRED AS NECESSARY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE HEIGHT (STORAGE CAPACITY). SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIALS.
4. COMPOST FILTER LOGS SHALL BE 18" * UNLESS OTHERWISE NOTED ON THE PLANS.

IMPERVIOUS SAND BAG APPLICATION

APPLICATION NOTES :

A. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY FILTERING WATER, THEREBY ALLOWING SEDIMENT TO FALL OUT OF SUSPENSION.
B. THE TOP OF THE INLET PROTECTION SHALL BE SET TO ALLOW OVERFLOW INTO THE INLET AND NOT BYPASS TO UNPROTECTED RESOURCES.
C. MAXIMUM DRAINAGE AREA TO THE PRACTICE SHALL NOT EXCEED ONE ACRE WHENEVER POSSIBLE.

⚠ COMPOST FILTER LOG SEDIMENT CONTROL DETAIL

ADDENDA / REVISIONS		
⚠ ADDITIONAL CONSTRUCTION DETAIL	D. SEMPLE 10/03/2019	

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	D. SEMPLE
COUNTY	CHECKED BY:	A. MELVIN
SUSSEX		

CONSTRUCTION DETAILS

SECTION: AEC
SHEET NO. 38

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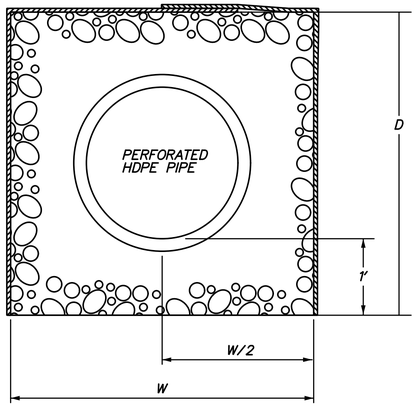


GENERAL NOTES:

1. ALL INFILTRATION STONE, NO. 3 USED IN THE TRENCH SHALL CONFORM TO THE INFILTRATION STONE SPECIFICATION SECTION 910
2. FILTER FABRIC SHALL BE MIRAFI140N, LINQ GTF 130D, AMOCO 4545 OR APPROVED EQUAL IN ACCORDANCE WITH SECTION 1060 OF THE STANDARD SPECIFICATIONS SHALL BE INCIDENTAL TO 910009.

UNDERGROUND INFILTRATION

ITEM 910001 - INFILTRATIN STONE, NO. 3
ITEM 910009 - INFILTRATION TRENCH
△1 ~~BMP 4 (TBD)~~ BMPS 1023, 1024, AND REPLACEMENT PIPE 95
NOT TO SCALE

UNDERGROUND INFILTRATION CONSTRUCTION SEQUENCE △1(~~BMP 4~~ BMPS 1023,1024 AND REPLACEMENT PIPE 95):

BEFORE ANY CONSTRUCTION BEGINS ON THE FACILITY:
- A. CONTACT THE DESIGNATED CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED.
- B. ALL AREAS DRAINING TO THE FACILITY MUST BE AT FINAL GRADE AND STABILIZED. STABILIZATION SHALL BE APPROVED BY THE ENGINEER WITH △1 CONCURRENCE FROM THE STORMWATER ENGINEER PRIOR TO FACILITY CONSTRUCTION.

SHOULD TRENCH CONSTRUCTION BE NECESSARY PRIOR TO VEGETATIVE STABILIZATION OF THE CONTRIBUTING DRAINAGE AREAS AS APPROVED BY THE ENGINEER WITH CONCURRENCE FROM THE STORMWATER ENGINEER, THE MINIMUM SHALL BE REQUIRED:
- A. INFLOW SWALES WILL HAVE AN 18" COMPOST FILTER LOG PLACED 25 FEET BEFORE THE EDGE OF THE PROPOSED TRENCH OR CLOSER IF DIRECTED BY THE ENGINEER.
- B. OTHER INFLOW AREAS, INCLUDING SIDE SLOPES, WILL HAVE SILT FENCE OR 18" COMPOST FILTER LOG INSTALLED SO THAT RUNOFF IS INTERCEPTED BEFORE ENTERING THE TRENCH AREA.
- C. THESE ITEMS WILL REMAIN UNTIL SURROUNDING VEGETATION IS ESTABLISHED.

1. EXCAVATE THE TRENCH TO THE DIMENSIONS SHOWN ON THE PLANS AND SCARIFY THE BOTTOM A MINIMUM OF 6 INCHES. DURING EXCAVATION, THE CCR SHALL OBSERVE THE SOIL TYPE. IF STANDING WATER OR EXCESSIVE CLAY/SILT MATERIAL IS DISCOVERED AT THE PROPOSED BOTTOM ELEVATION, THE CCR SHALL NOTIFY THE ENGINEER AND STORMWATER ENGINEER IMMEDIATELY.
2. INSTALL GEOTEXTILE ON ALL TRENCH SIDES, EXCEPT THE BOTTOM, MAKING SURE TO HAVE ENOUGH EXTRA TO COVER THE TOP OF THE TRENCH COMPLETELY AFTER STONE IS PLACED AND HAVING AT LEAST 1 FOOT OF OVERLAP OF THE GEOTEXTILE.
3. PLACE #3 INFILTRATION STONE.
4. IMMEDIATELY COVER THE ENTIRE TOP OF THE TRENCH WITH THE EXCESS GEOTEXTILE AND SPARINGLY SECURE WITH #3 INFILTRATION STONE, SO GEOTEXTILE DOES NOT MOVE.
5. IMMEDIATELY BACKFILL THE REMAINDER OF THE TRENCH AND PERMANENTLY STABILIZE THE DISTURBED AREA AROUND THE TRENCH AS SHOWN ON THE PLANS.
6. INSPECT THE DRAINAGE INLETS AND REMOVE LOOSE SEDIMENT AFTER EVERY RAIN EVENT. ENSURE E&S CONTROLS ARE PROPERLY FUNCTIONING.
7. AFTER ALL SURROUNDING AREAS DRAINING TO THE TRENCH HAVE SUFFICIENT VEGETATION, AS CONCURRED BY THE STORMWATER ENGINEER, E&S DEVICES SHALL BE REMOVED.
8. AS-BUILT DRAWINGS WILL BE COMPLETED BY THE CONTRACTOR ~~AN~~ AND △1 CERTIFIED BY A DELAWARE PLS BEFORE THE DELDOT SEMI-FINAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION.

INFILTRATION TRENCH CONSTRUCTION SEQUENCE ~~(BMPS 1,2-US-2-DS-5-6):~~ △1 (BMPS 1020,1021,1022,1025,1026,1027):

BEFORE ANY CONSTRUCTION BEGINS ON THE FACILITY:
- A. CONTACT THE DESIGNATED CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED.
- B. ALL AREAS DRAINING TO THE FACILITY MUST BE AT FINAL GRADE AND STABILIZED. STABILIZATION SHALL BE APPROVED BY THE ENGINEER WITH △1 CONCURRENCE FROM THE STORMWATER ENGINEER PRIOR TO FACILITY CONSTRUCTION.

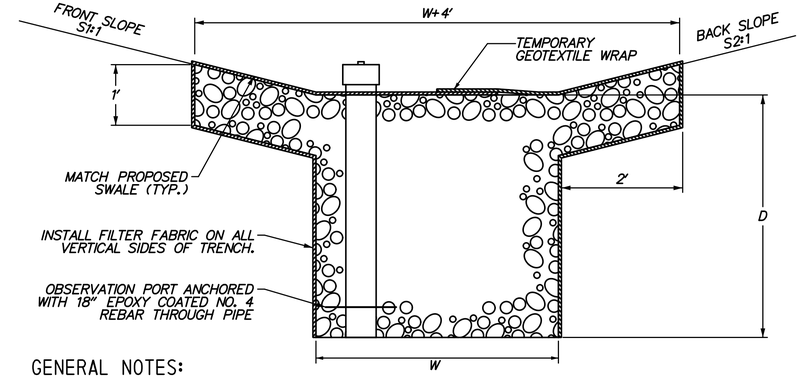
INITIAL INSTALLATION FOR CONSTRUCTION SITE SEDIMENT CONTROL:

1. EXCAVATE CHANNEL TO THE ~~INITIAL~~ △1 BOTTOM ELEVATION INDICATED ON THE GRADES AND GEOMETRICS SHEETS △1. PROVIDE INTERIM STABILIZATION OF DISTURBED AREA.
2. MONITOR TO ENSURE SEDIMENT IS CONTAINED AND REMOVE SEDIMENT AS NECESSARY.

FINAL INSTALLATION FOR STORMWATER MANAGEMENT FACILITY:

SHOULD TRENCH CONSTRUCTION BE NECESSARY PRIOR TO VEGETATIVE STABILIZATION OF THE CONTRIBUTING DRAINAGE AREAS AS APPROVED BY THE ENGINEER WITH CONCURRENCE FROM THE STORMWATER ENGINEER, THE MINIMUM SHALL BE REQUIRED:
- A. INFLOW SWALES WILL HAVE AN 18" COMPOST FILTER LOG PLACED 25 FEET BEFORE THE EDGE OF THE PROPOSED TRENCH OR CLOSER IF DIRECTED BY THE ENGINEER.
- B. OTHER INFLOW AREAS, INCLUDING SIDE SLOPES, WILL HAVE SILT FENCE OR 18" COMPOST FILTER LOG INSTALLED SO THAT RUNOFF IS INTERCEPTED BEFORE ENTERING THE TRENCH AREA.
- C. THESE ITEMS WILL REMAIN UNTIL SURROUNDING VEGETATION IS ESTABLISHED.

3. EXCAVATE THE TRENCH TO THE DIMENSIONS SHOWN ON THE PLANS AND SCARIFY THE BOTTOM A MINIMUM OF 6 INCHES. DURING EXCAVATION, THE CCR SHALL OBSERVE THE SOIL TYPE. IF STANDING WATER OR EXCESSIVE CLAY/SILT MATERIAL IS DISCOVERED AT THE PROPOSED BOTTOM ELEVATION, THE CCR SHALL NOTIFY THE ENGINEER AND STORMWATER ENGINEER IMMEDIATELY.
4. INSTALL GEOTEXTILE ON ALL TRENCH SIDES, EXCEPT THE BOTTOM, MAKING SURE TO HAVE ENOUGH EXTRA TO COVER THE TOP OF THE TRENCH COMPLETELY AFTER STONE IS PLACED AND HAVING AT LEAST 1 FOOT OF OVERLAP OF THE GEOTEXTILE.
5. PLACE OVERVATION PORT AS SHOWN IN THE PLANS.
6. PLACE #3 INFILTRATION STONE.
7. IMMEDIATELY COVER THE ENTIRE TOP OF THE TRENCH WITH THE EXCESS GEOTEXTILE AND SPARINGLY SECURE WITH #3 INFILTRATION STONE, SO GEOTEXTILE DOES NOT MOVE.
8. THE SAME DAY THAT THE TRENCH IS COMPLETED, PERMANENTLY STABILIZE THE DISTURBED AREA AROUND THE TRENCH AS SHOWN ON THE PLANS.
9. INSPECT THE TRENCH AND REMOVE LOOSE SEDIMENT AFTER EVERY RAIN EVENT. ENSURE E&S CONTROLS ARE PROPERLY FUNCTIONING.
10. AFTER ALL SURROUNDING AREAS DRAINING TO THE TRENCH HAVE SUFFICIENT VEGETATION, AS CONCURRED BY THE STORMWATER ENGINEER, E&S DEVICES SHALL BE REMOVED AND THE EXCESS GEOTEXTILE REMOVED FROM THE TOP.
11. AS-BUILT DRAWINGS WILL BE COMPLETED BY THE CONTRACTOR ~~AN~~ AND △1 CERTIFIED BY A DELAWARE PLS BEFORE THE DELDOT SEMI-FINAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION.



GENERAL NOTES:

1. ABSOLUTELY NO WHEELED OR TRACKED EQUIPMENT SHALL BE ALLOWED WITHIN 2' OF THE PERMANENT BOTTOM ELEVATION.
2. ALL INFILTRATION STONE, NO. 3 USED IN THE TRENCH SHALL CONFORM TO THE INFILTRATION STONE SPECIFICATION SECTION 910
3. FILTER FABRIC SHALL BE MIRAFI 140N, LINQ GTF 130D, AMOCO 4545 OR APPROVED EQUAL IN ACCORDANCE WITH SECTION 1060 OF THE STANDARD SPECIFICATIONS, AND SHALL BE INCIDENTAL TO 910009.
4. AN OBSERVATION PORT SHALL BE INSTALLED AT THE DOWNSTREAM END OF EACH INFILTRATION TRENCH AND PLACED EVERY 200 FT. THE PIPE SHALL BE 6-INCH PVC SCH. 40 WITH A REMOVABLE CAP AT THE TOP. THE PIPE SHALL EXTEND TO THE BOTTOM OF THE STONE TRENCH AND 1 FOOT ABOVE THE TOP ELEVATION OF THE ROCK. TOP OF REMOVABLE CAP SHALL BE 1-FOOT ABOVE STONE BACKFILL. PERFORATIONS SHALL BE 4 ROWS OF 3/8-INCH HOLES AT 6-INCH ON CENTER.

INFILTRATION TRENCH

ITEM 910001 - INFILTRATIN STONE, NO. 3
ITEM 910009 - INFILTRATION TRENCH
~~BMPS 1, 2, 5, 6 (TBD)~~ BMPS 1020, 1021, 1022, 1025, 1026, 1027 △1
NOT TO SCALE

BMP AS-BUILT DRAWINGS NOTES:

BMP AS-BUILT DRAWINGS WILL INCLUDE, BUT NOT BE LIMITED TO:
- GENERAL TOPOGRAPHY OF THE WHOLE FACILITY AT 1-FOOT CONTOURS.
- INVERTS OF ALL PIPES AND SWALES THAT INFLOW TO THE BMP.
- OUTLET STRUCTURE INVERTS OF ANY AND ALL ORIFICES/WEIRS, TOP OF STRUCTURES, OUTLET PIPE, ETC.
- PRIMARY OUTFLOW PIPE INVERTS AT THE ENTRANCE AND EXIT.

BMP SWM FACILITY SCHEDULE

SWM FACILITY NO.	START STA/OFF	END STA/OFF	LENGTH FT.	WIDTH (W) FT.	DEPTH (D) FT.	FRONT SLOPE (S1:1) FT.	BACK SLOPE (S2:1) FT.
BMP 1	431+49, -54.0'	443+66, -54.0'	1222.00	2.00	2.00	5 MIN.	5
BMP 2-US	436+99, 40.7'	443+91, 53.6'	695.00	4.00*	4.00*	4	3
BMP 2-DS	429+97, 41.5'	436+66, 41.5'	668.00	2.00	2.00	4	4
BMP 4-BS	452+65, 38.2'	456+60, 36.7'	387.00	4.00	4.00	N/A	N/A
BMP 4-AS	461+13, 46.2'	463+83, 46.2'	266.00	4.00	4.00	N/A	N/A
BMP 5	465+00, 142.2'	465+46, 61.6'	111.00	4.00	4.00	4	4
BMP 6	467+10, 63.4'	472+53, 62.0'	544.00	3.50	3.50	4	3
BMP 7	800+19, 68.5'	802+01, 443.5'	600.00	40.00	4.00	4	4
P-95	473+13, 45.0'	473+83, 45.0'	70.00	4.00	4.00	N/A	N/A

*TAPERS DOWN TO 2(W) X 2(D) AT THE UPSTREAM END. SEE PLANS.

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS AND NOTES	D. SEMPLE 10/03/2019	

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DETAIL & NOTES

SW-01
SECTION AEC
SHEET NO. 39

10/3/2019
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INFILTRATION BASIN CONSTRUCTION SEQUENCE (BMP ~~7~~ 1020 △1):

BEFORE ANY CONSTRUCTION BEGINS ON THE FACILITY:

A. CONTACT THE DESIGNATED CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED.

B. ALL AREAS DRAINING TO THE FACILITY MUST BE AT FINAL GRADE AND STABILIZED. STABILIZATION SHALL BE APPROVED BY THE ENGINEER WITH △1 CONCURRENCE FROM THE STORMWATER ENGINEER PRIOR TO FACILITY CONSTRUCTION.

SHOULD BASIN CONSTRUCTION BE NECESSARY PRIOR TO VEGETATIVE STABILIZATION OF THE CONTRIBUTING DRAINAGE AREAS AS APPROVED BY THE ENGINEER WITH CONCURRENCE FROM THE STORMWATER ENGINEER, THE MINIMUM SHALL BE REQUIRED:

A. INFLOW SWALES WILL HAVE AN 18" COMPOST FILTER LOG PLACED 25 FEET BEFORE THE EDGE OF THE PROPOSED TRENCH OR CLOSER IF DIRECTED BY THE ENGINEER.

B. OTHER INFLOW AREAS, INCLUDING SIDE SLOPES, WILL HAVE SILT FENCE OR 18" COMPOST FILTER LOG INSTALLED SO THAT RUNOFF IS INTERCEPTED BEFORE ENTERING THE TRENCH AREA.

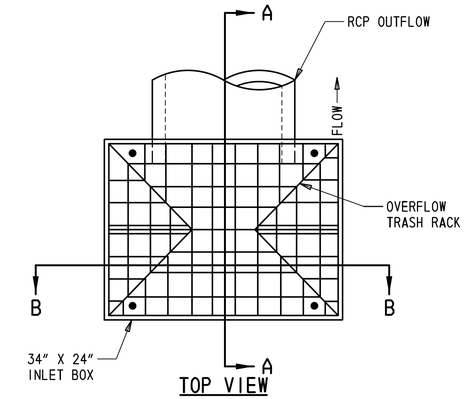
C. THESE ITEMS WILL REMAIN UNTIL SURROUNDING VEGETATION IS ESTABLISHED.

INITIAL CONSTRUCTION:

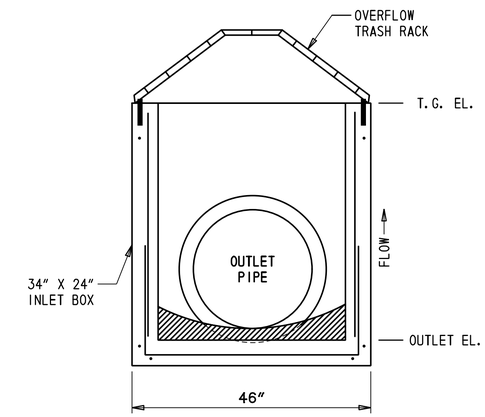
1. *INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AS NEEDED.*
2. *CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS.*
3. *INSTALL PERIMETER CONTROLS AS SHOWN ON THE PLANS.*
4. *CLEAR AND GRUB REMAINING AREA FOR INFILTRATION BASIN CONSTRUCTION MAKING SURE NOT TO IMPEDE WITHIN 1-FOOT OF THE PERMANENT BOTTOM ELEVATION.*
5. *CONSTRUCT BASIN OUTLET AND OUTFALL AS SHOWN ON THE PLANS. DEWATER FOUNDATION AS NEEDED IN ACCORDANCE WITH THE DEWATERING PRACTICES SHOWN IN THE STANDARD SPECIFICATIONS. INSTALL SKIMMER DEWATERING DEVICE AND/OR OTHER TEMPORARY MODIFICATIONS SHOWN ON THE PLANS.*
6. *COMPLETE BASIN EXCAVATION TO MAINTAIN A MINIMUM OF 1-FOOT COVER ABOVE THE PERMANENT BOTTOM ELEVATION. SIDE SLOPES AND FOREBAY LINING SHALL BE CONSTRUCTED AS PER FINAL DESIGN ELEVATION AND CONFIGURATION.*
7. *ALL DISTURBED AREAS MEETING FINAL ELEVATIONS AND GRADES ABOVE THE PERMANENT BOTTOM ELEVATION SHALL BE SEEDED WITH PERMANENT GRASS SEEDING, STORMWATER.*
8. *THE FINAL 1-FOOT OF MATERIAL TO BE EXCAVATED SHALL BE STARTED FROM ONE SIDE OF THE BASIN AND REMOVED GOING ACROSS, OR STARTED IN THE MIDDLE AND WORKED TOWARDS THE OUTSIDES. THE ABSOLUTE MINIMUM OF INGRESS AND EGRESS POINTS SHALL BE UTILIZED AS WELL AS THESE AREAS WILL BE STABILIZED WITHIN ONE WORKING DAY WHEN NO LONGER NEEDED. OTHER THAN THAT NECESSARY TO COMPLETE THE BOTTOM EXCAVATION, NO DISTURBANCE OF THE SIDE SLOPES SHALL BE CONDUCTED AT THIS TIME. THE COMPLETION OF THE SIDE SLOPES TO THE DESIGN BOTTOM ELEVATION SHALL BE COMPLETED TO THE BEST OF THE CONTRACTOR'S ABILITY TO LIMIT DISTURBANCE TO THE ADJACENT AREAS.*
9. *POST CONSTRUCTION INFILTRATION TESTING SHALL BE PERFORMED AS PER DELDOT DOCUMENTATION.*
10. *ALL DISTURBED AREAS MEETING FINAL ELEVATIONS AND GRADES SHALL BE SEEDED WITH PERMANENT GRASS SEEDING, STORMWATER.*

MAINTENANCE OF INFILTRATION BASIN:

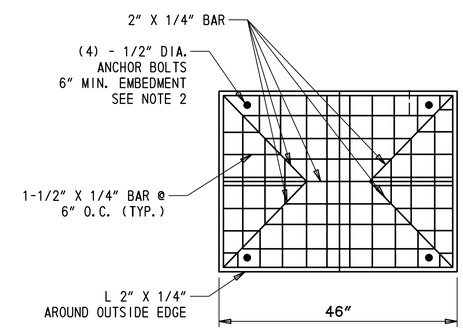
1. *THE CONTRACTOR SHALL INSPECT THE BASIN THE NEXT WORK DAY FOLLOWING A RAIN EVENT AND MAKE ANY REPAIRS AS NEEDED.*
2. *ANY EXCESS SEDIMENT AROUND THE OUTFALL AREA WILL BE REMOVED WITHIN TWO WORKING DAYS AND DISPOSED AT A LOCATION APPROVED BY THE ENGINEER.*

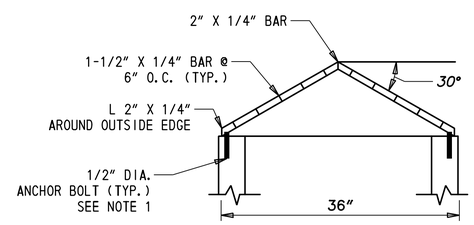


TOP VIEW



SECTION B-B

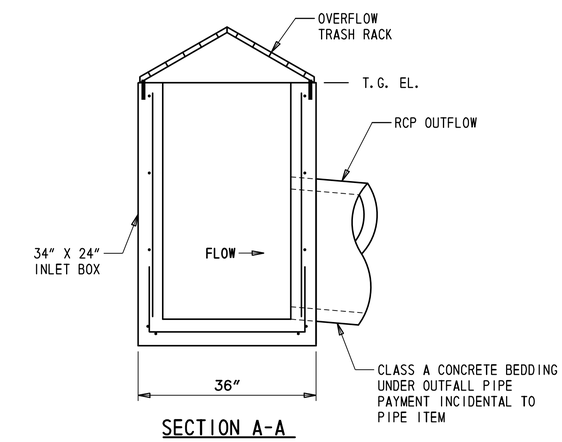




TRASH RACK DETAIL

NOTES:

1. ANCHOR BOLTS TO BE STAINLESS STEEL ONLY.
2. TRASH RACK BARS TO BE ALUMINUM ONLY.



SECTION A-A
BMP OUTLET STRUCTURE DETAIL
(INLETS 54,54A)

ADDENDA / REVISIONS	
△1 UPDATED BMP ID NUMBERS AND NOTES	D. SEMPLE 10/03/2019

NOT TO SCALE

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DETAIL & NOTES

SW-02

SECTION: AEC

SHEET NO. 40

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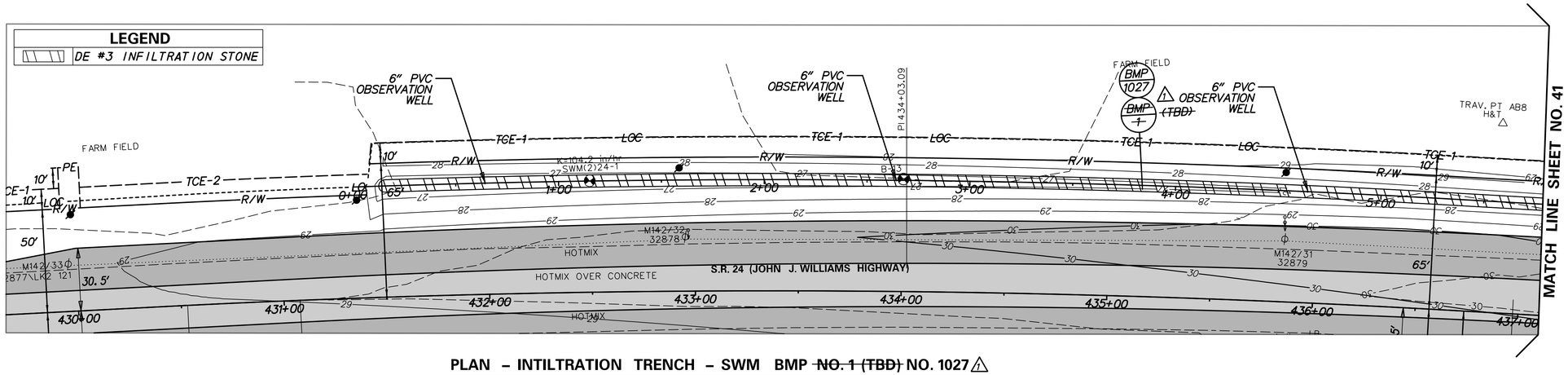
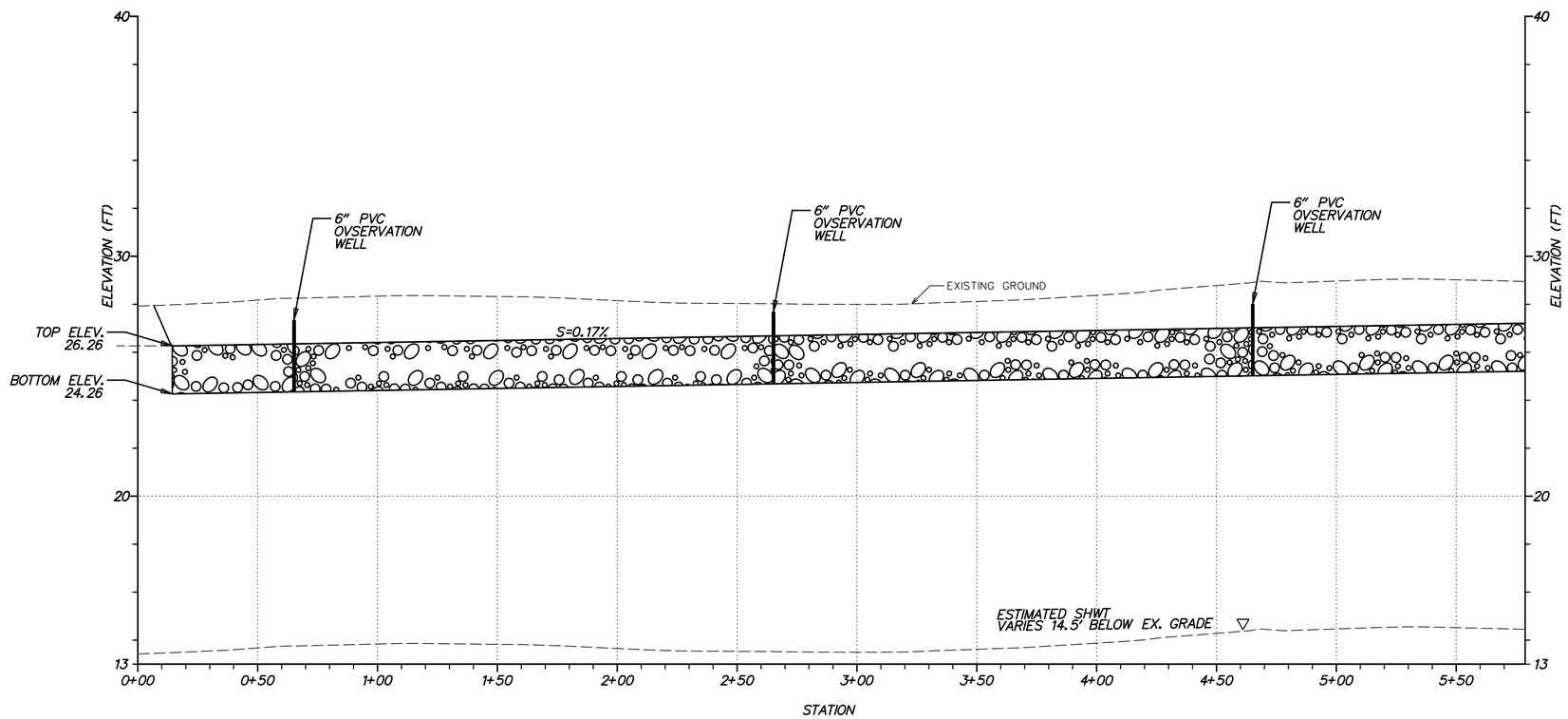


PLAN – INTILTRATION TRENCH – SWM BMP ~~NO. 1 (TBD)~~ NO. 1027



PROFILE – INTILTRATION TRENCH – SWM BMP ~~NO. 1 (TBD)~~ NO. 1027

VERTICAL SCALE FEET 9 6 3 0

SW–03

ADDENDA / REVISIONS	
UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#1~~ #1027

SECTION AEC

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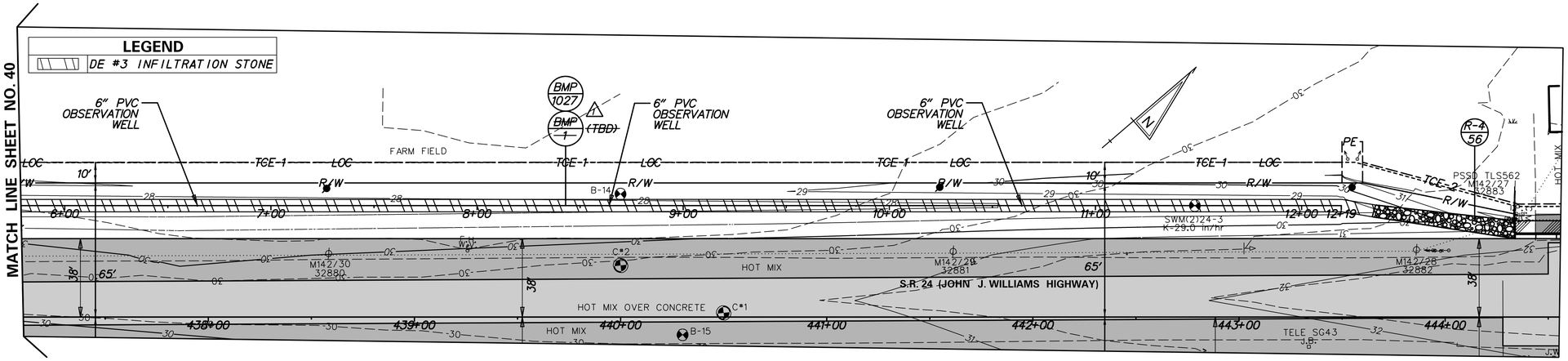
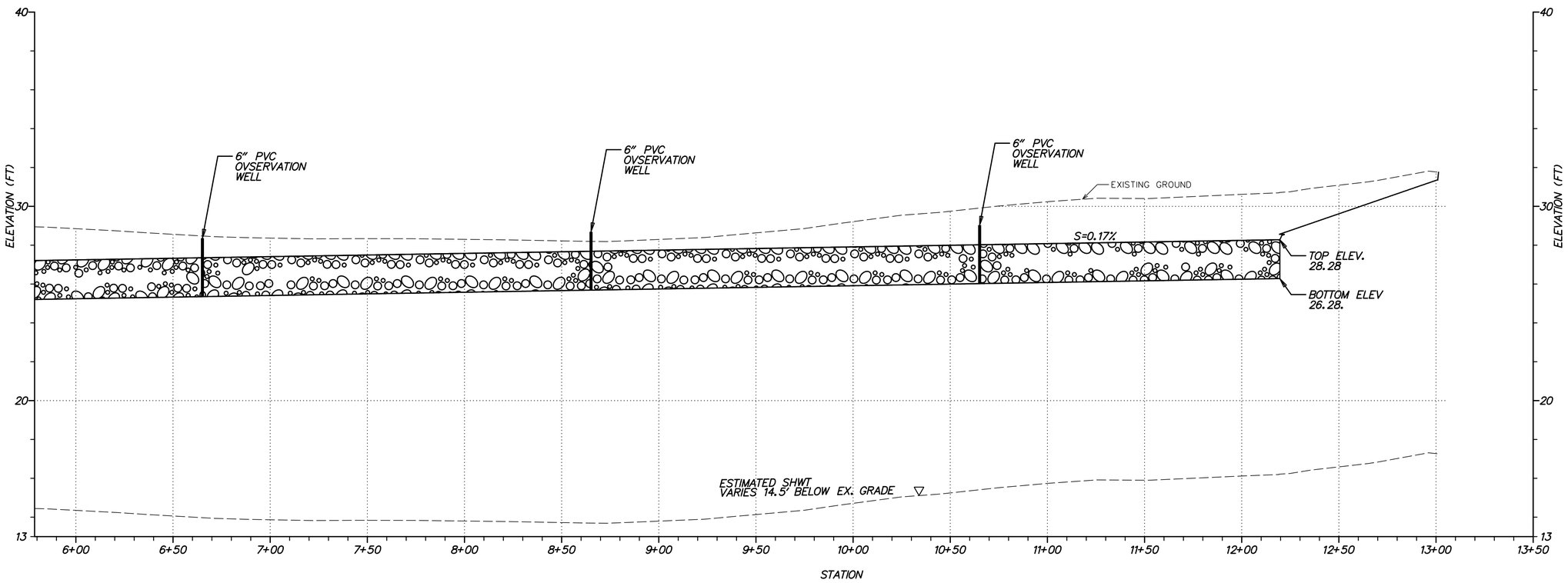


PLAN – INFILTRATION TRENCH – SWM BMP ~~NO. 1 (TBD)~~ NO. 1027 △1



PROFILE – INFILTRATION TRENCH – SWM BMP ~~NO. 1 (TBD)~~ NO. 1027 △1

VERTICAL SCALE FEET 0 3 6 9

SW–04

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY	CHECKED BY:	IB
SUSSEX		

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#1~~ #1027 △1

SECTION
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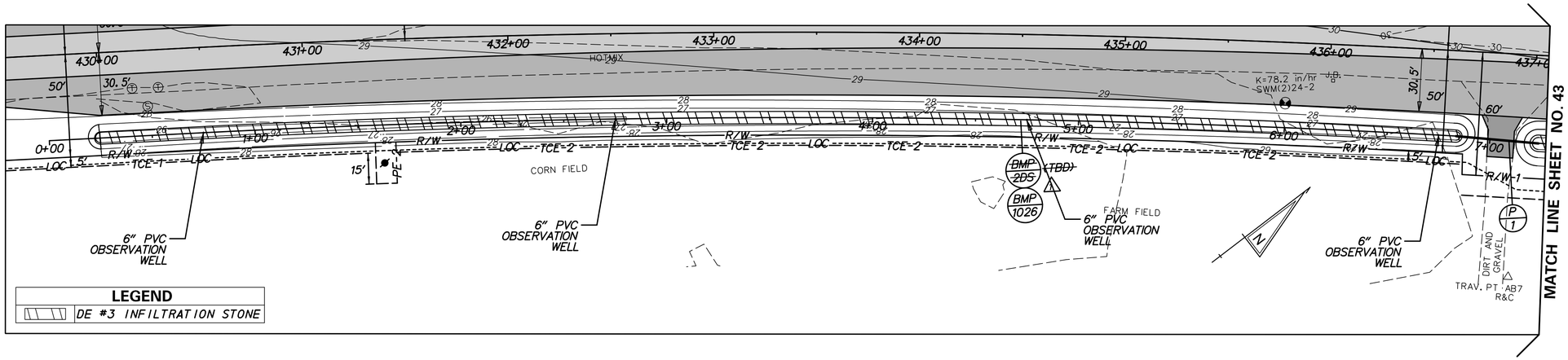
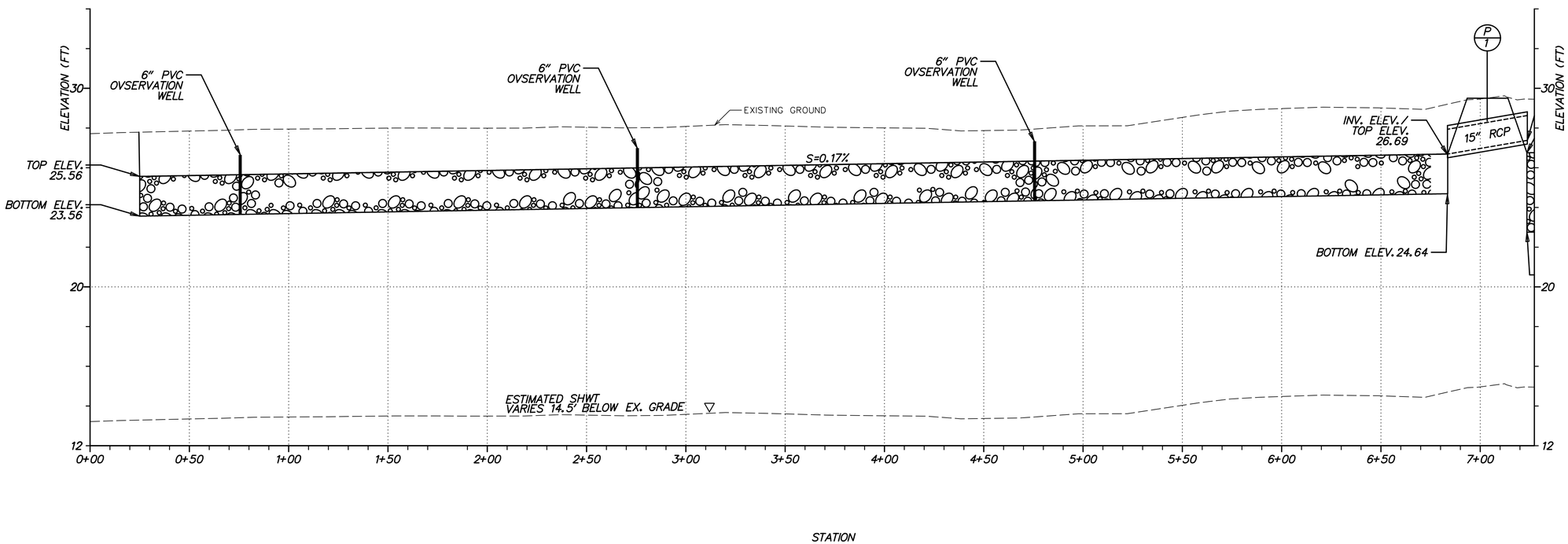


PLAN – INFILTRATION TRENCH – BMP ~~NO. 2-DS (TBD)~~ NO. 1026 △1



PROFILE – INFILTRATION TRENCH – BMP ~~NO. 2-DS (TBD)~~ NO. 1026 △1

VERTICAL SCALE FEET 9 6 3 0

SW-05

ADDENDA / REVISIONS	
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#2~~ #1026 △1

SECTION AEC

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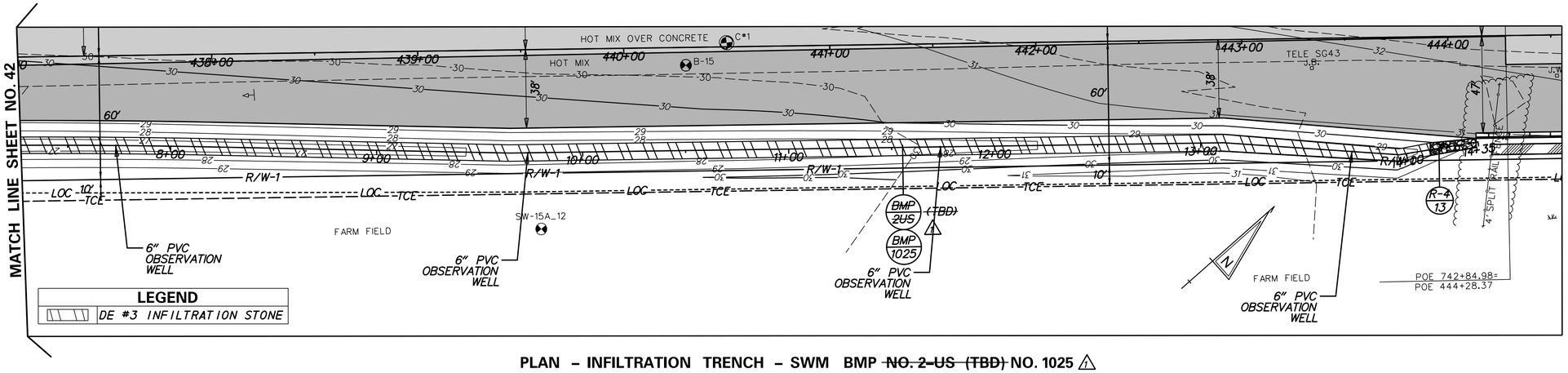

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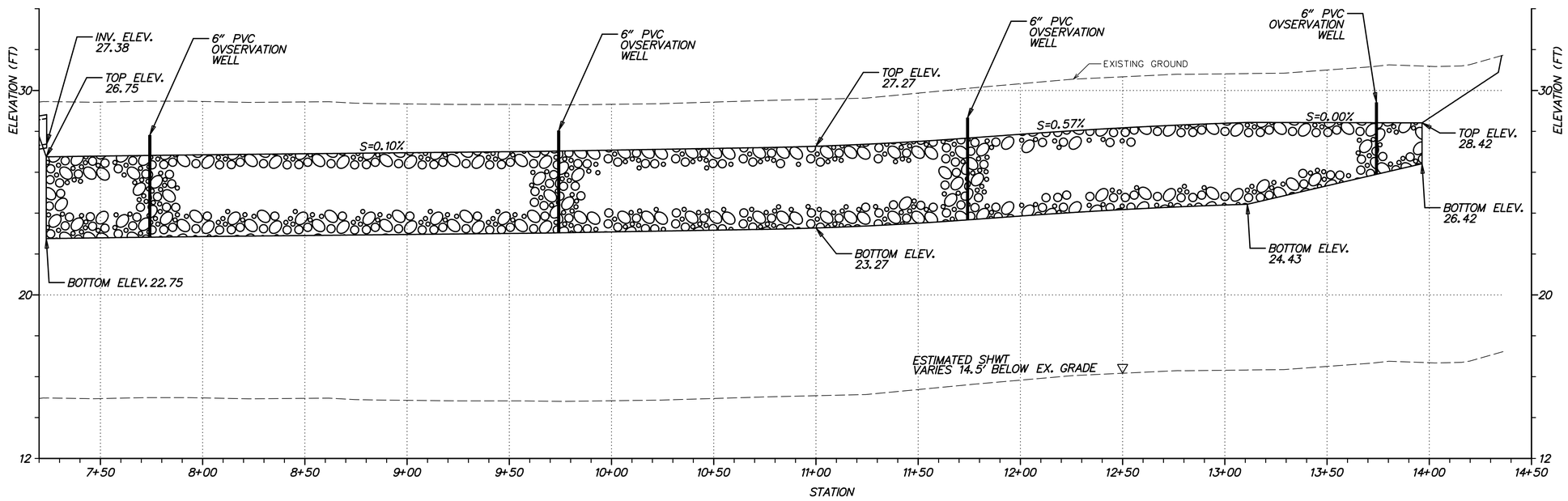

PROFILE – INFILTRATION TRENCH – SWM BMP ~~NO. 2-US (TBD)~~ NO. 1025 △1

VERTICAL SCALE FEET 9 6 3 0

SW–06

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#2~~ #1025 △1

SECTION AEC

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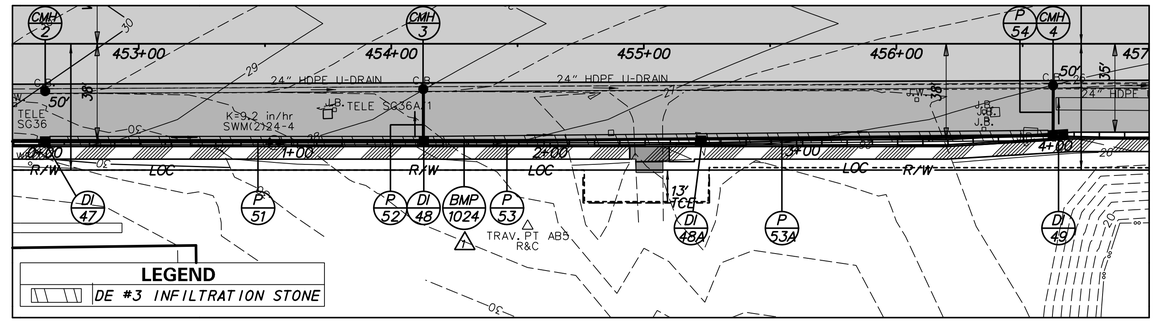
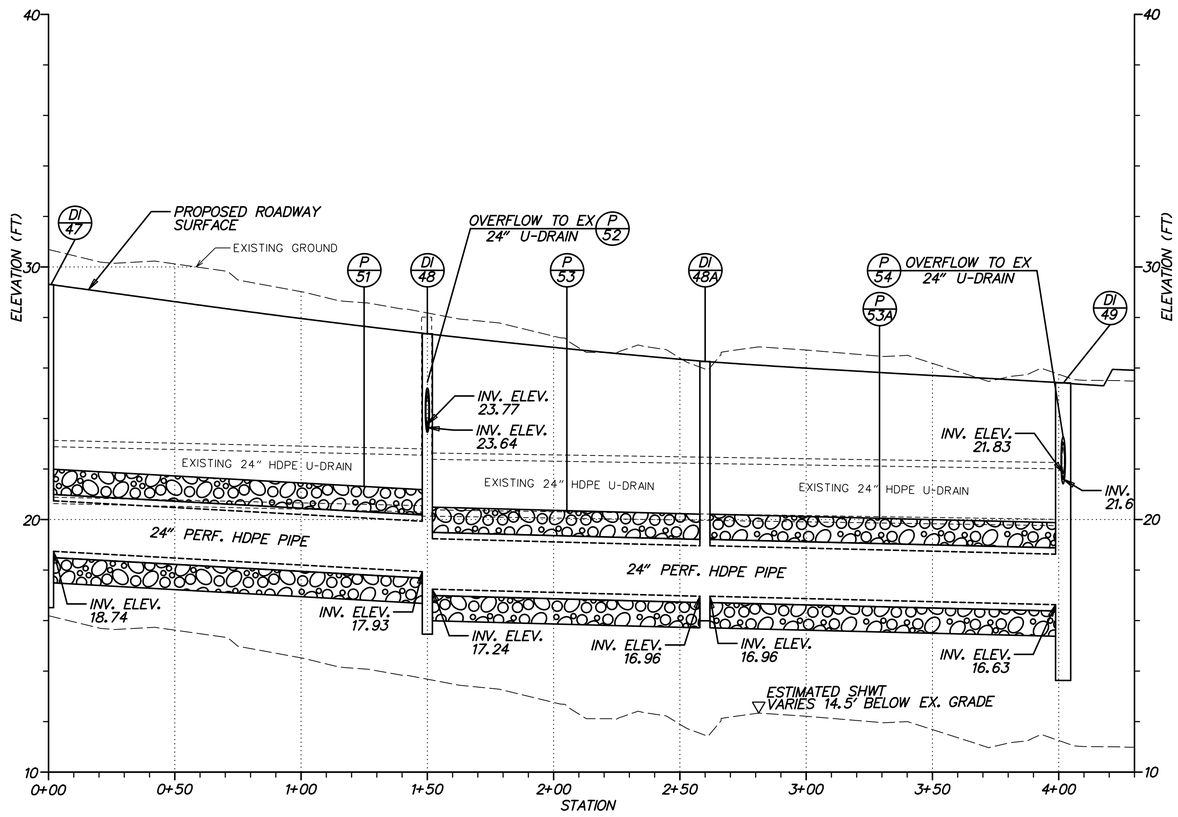


PLAN – INFILTRATION TRENCH – SWM BMP ~~NO.4-BS (TBD)~~ NO. 1024 △1



PROFILE – INFILTRATION TRENCH – SWM BMP ~~NO.4-BS (TBD)~~ NO. 1024 △1

VERTICAL SCALE FEET 9 6 3 0

SW–07

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#4-BS~~ #1024 △1

SECTION
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45

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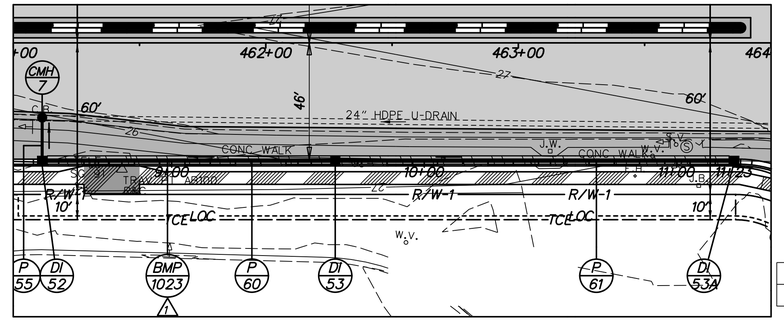
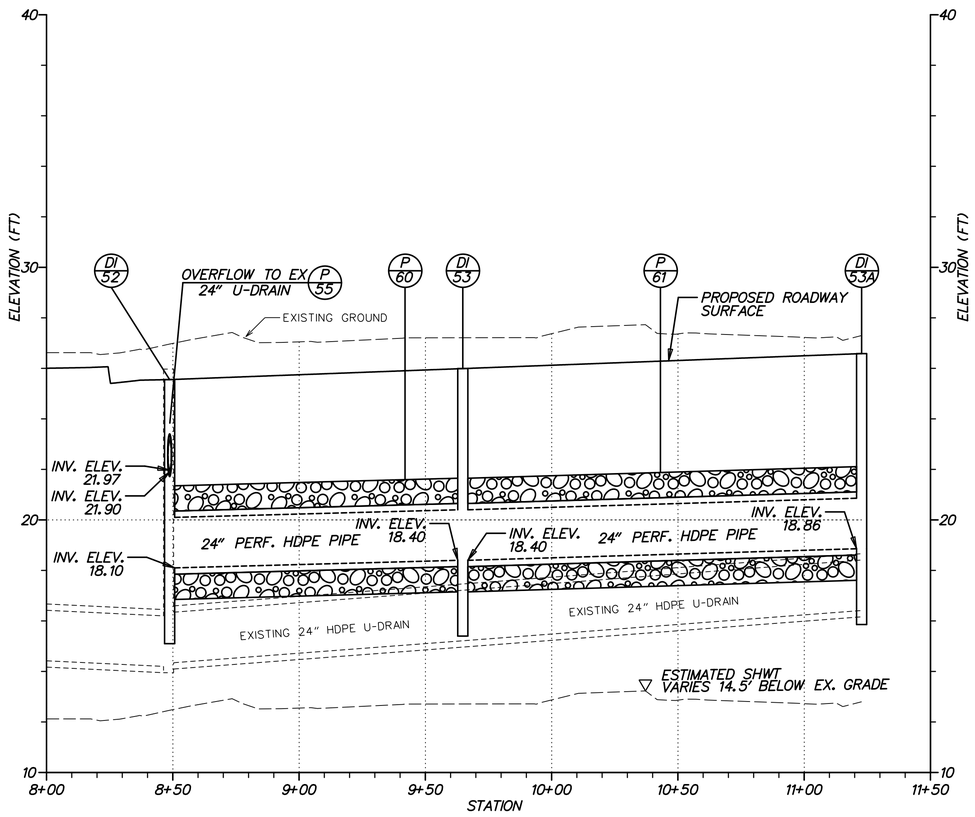


LEGEND	
	DE #3 INFILTRATION STONE

PLAN – INFILTRATION TRENCH – SWM BMP ~~NO.4-AS (TBD)~~ NO. 1023 △1



PROFILE – INFILTRATION TRENCH – SWM BMP ~~NO.4-AS (TBD)~~ NO. 1023 △1

VERTICAL SCALE FEET 0 3 6 9

SW–08

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#4-AS~~ #1023 △1

SECTION
AEC
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46

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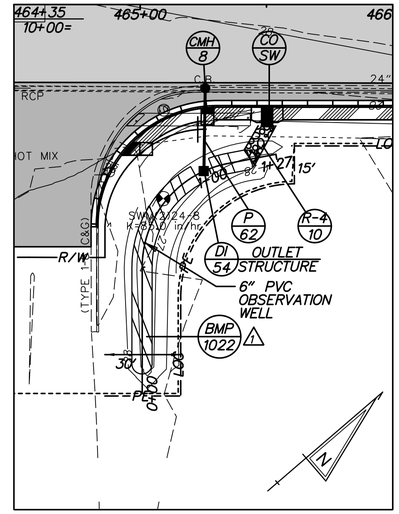
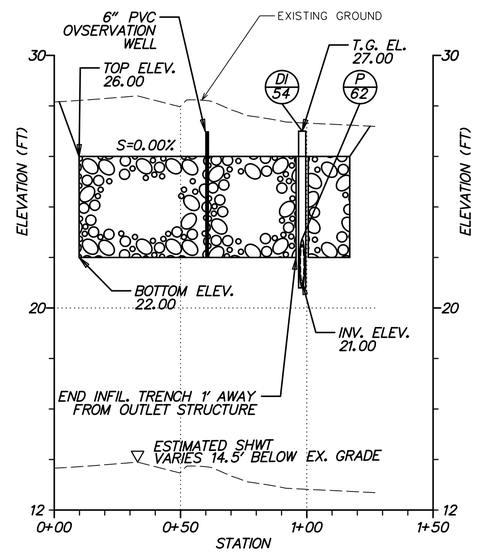


LEGEND	
	DE #3 INFILTRATION STONE

PLAN – INFILTRATION TRENCH – SWM BMP ~~NO.5 (TBD)~~ NO. 1022 △1



PROFILE – INFILTRATION TRENCH – SWM BMP ~~NO.5 (TBD)~~ NO. 1022 △1

VERTICAL SCALE FEET 0 3 6 9

SW–09

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24,
MULBERRY KNOLL
TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY	CHECKED BY:	IB
SUSSEX		

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#5~~ #1022 △1

SECTION
AEC
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47

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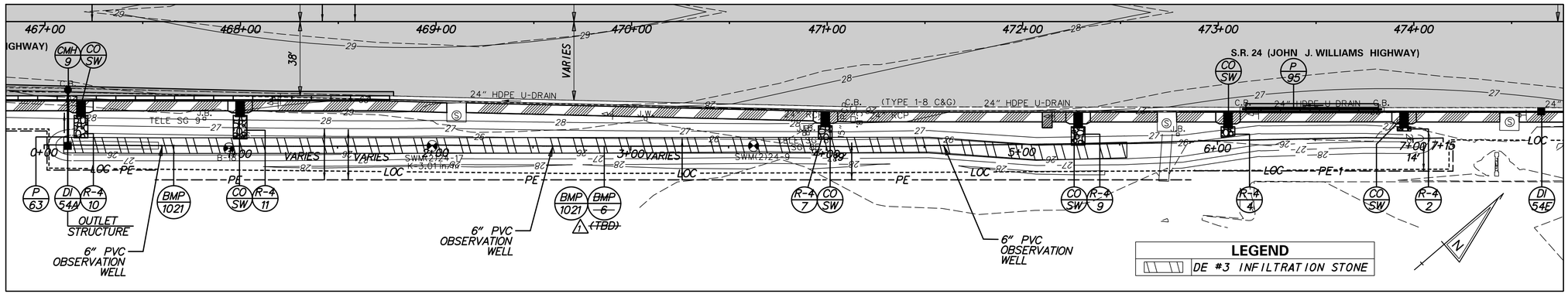
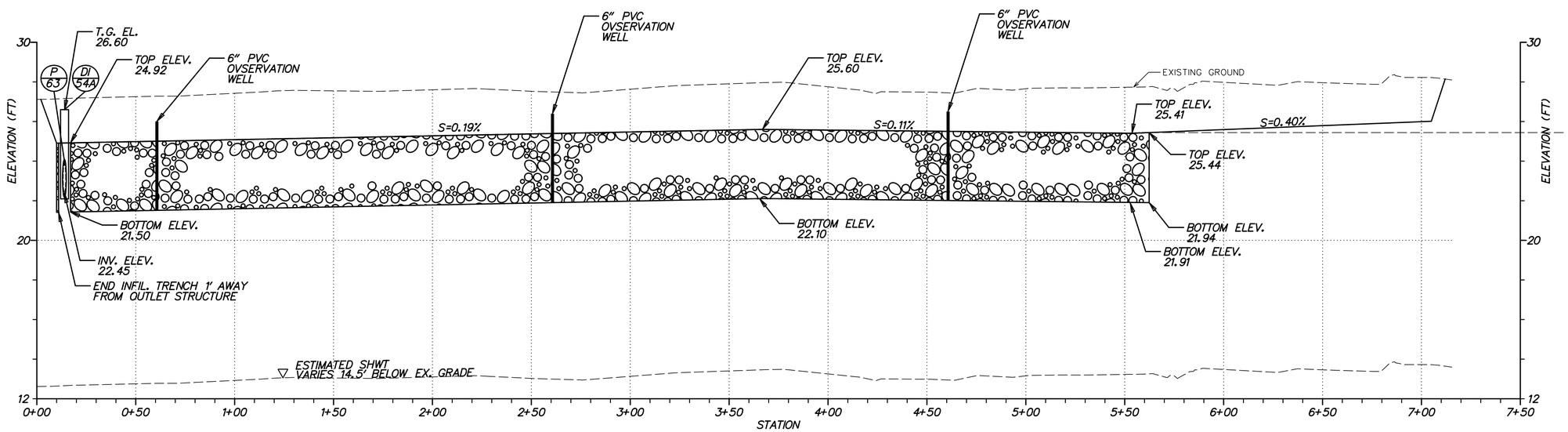


PLAN – INFILTRATION TRENCH – SWM BMP ~~NO.6 (TBD)~~ NO. 1021 △1



PROFILE – INFILTRATION TRENCH – SWM BMP ~~NO.6 (TBD)~~ NO. 1021 △1

VERTICAL SCALE FEET 9 6 3 0

SW–10

ADDENDA / REVISIONS		
△1 UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

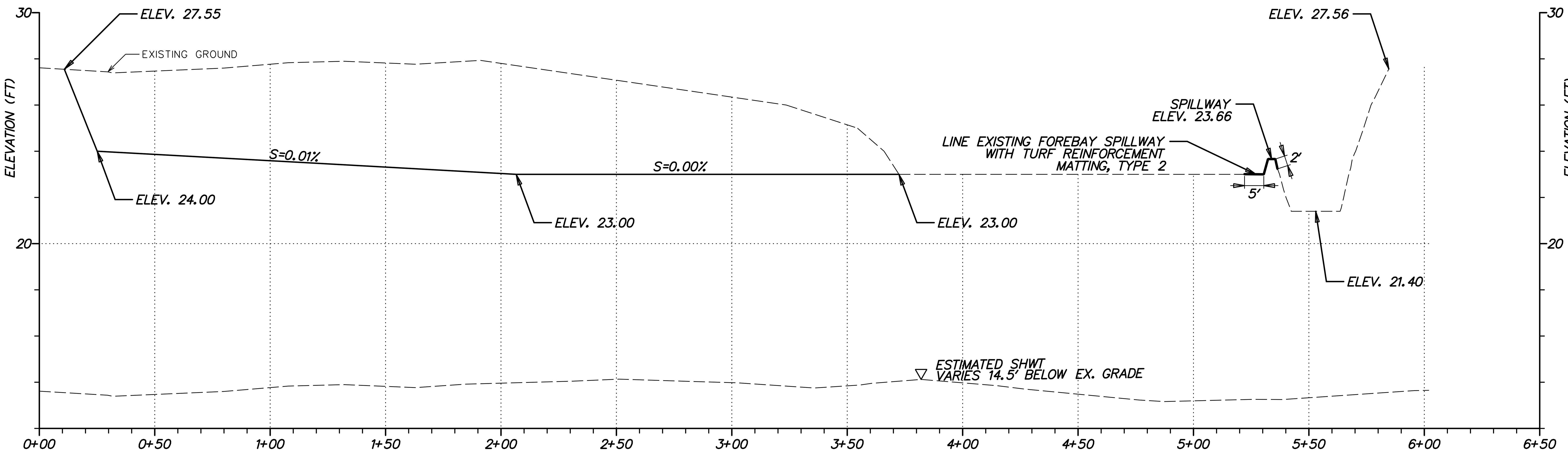
CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY:	KH
COUNTY		
SUSSEX	CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#6~~ #1021 △1

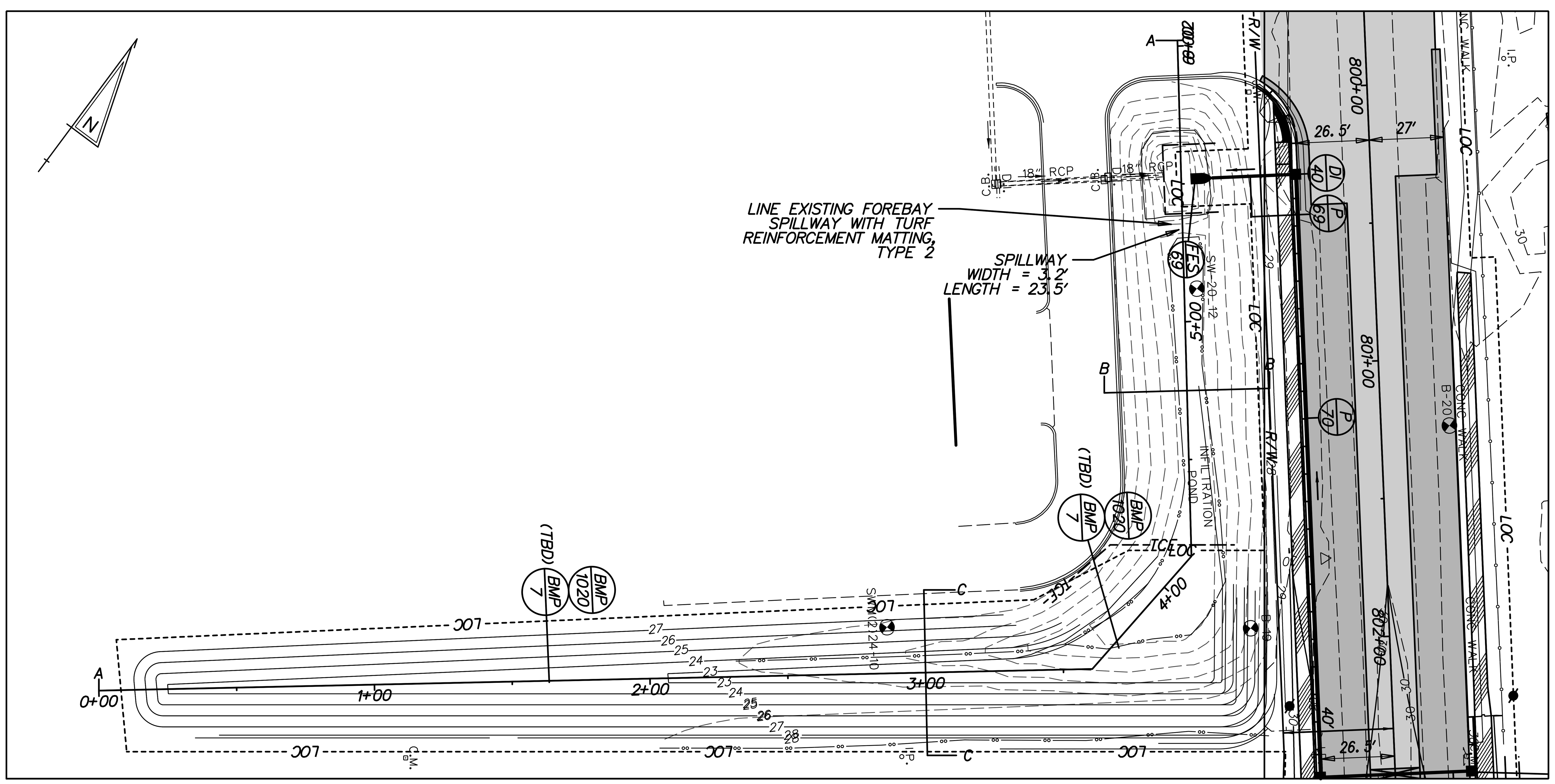
SECTION AEC

SHEET NO. 48

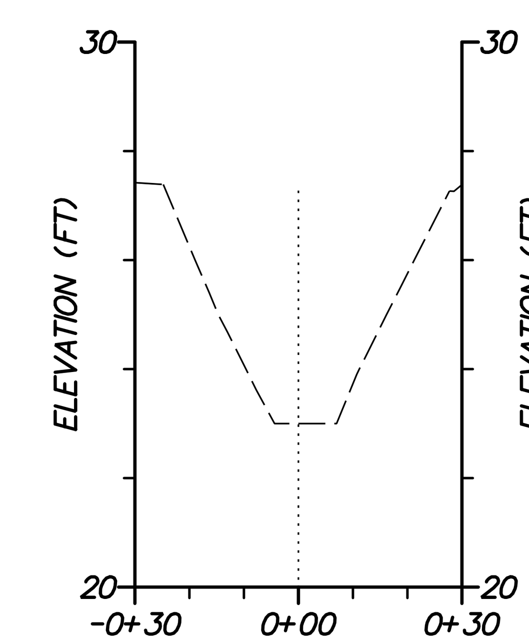
10/3/2019 5:47:42 PM \\usphl1p002\data\Projects\60487648 - DelDOT Agreement 1709\Task 001 - SR 24 Mulberry Knoll to SR 1\900_Work\910_CAD\20-SHEETS\002_SW\047_SW108.dgn



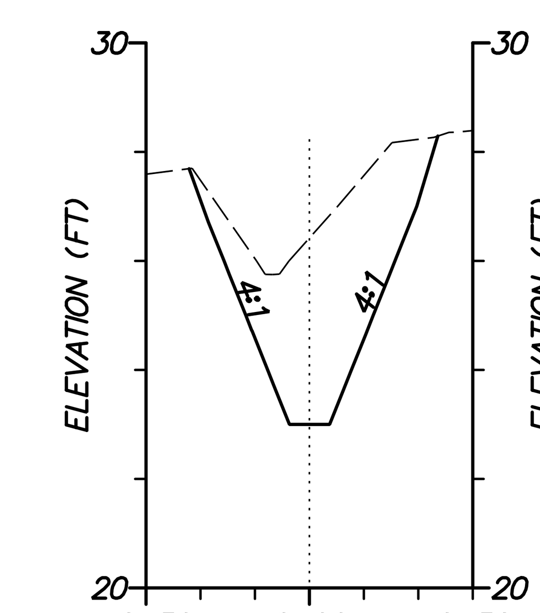
SECTION A–A – INFILTRATION BASIN – SWM BMP ~~NO.7 (TBD)~~ NO. 1020 ⚠



PLAN – INFILTRATION BASIN – SWM BMP ~~NO.7 (TBD)~~ NO. 1020 ⚠



SECTION B–B – INFILTRATION BASIN SWM BMP ~~NO.7 (TBD)~~ NO. 1020 ⚠



SECTION C–C – INFILTRATION BASIN SWM BMP ~~NO.7 (TBD)~~ NO. 1020 ⚠

VERTICAL SCALE FEET 0 3 6 9

SW–11

ADDENDA / REVISIONS	
⚠ UPDATED BMP ID NUMBERS	D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	T200411209
COUNTY	SUSSEX

BRIDGE NO.	N/A
DESIGNED BY:	KH
CHECKED BY:	IB

STORMWATER MANAGEMENT PLAN DELDOT SWM FACILITY ~~#7~~ #1020 ⚠

SECTION	AEC
SHEET NO.	49

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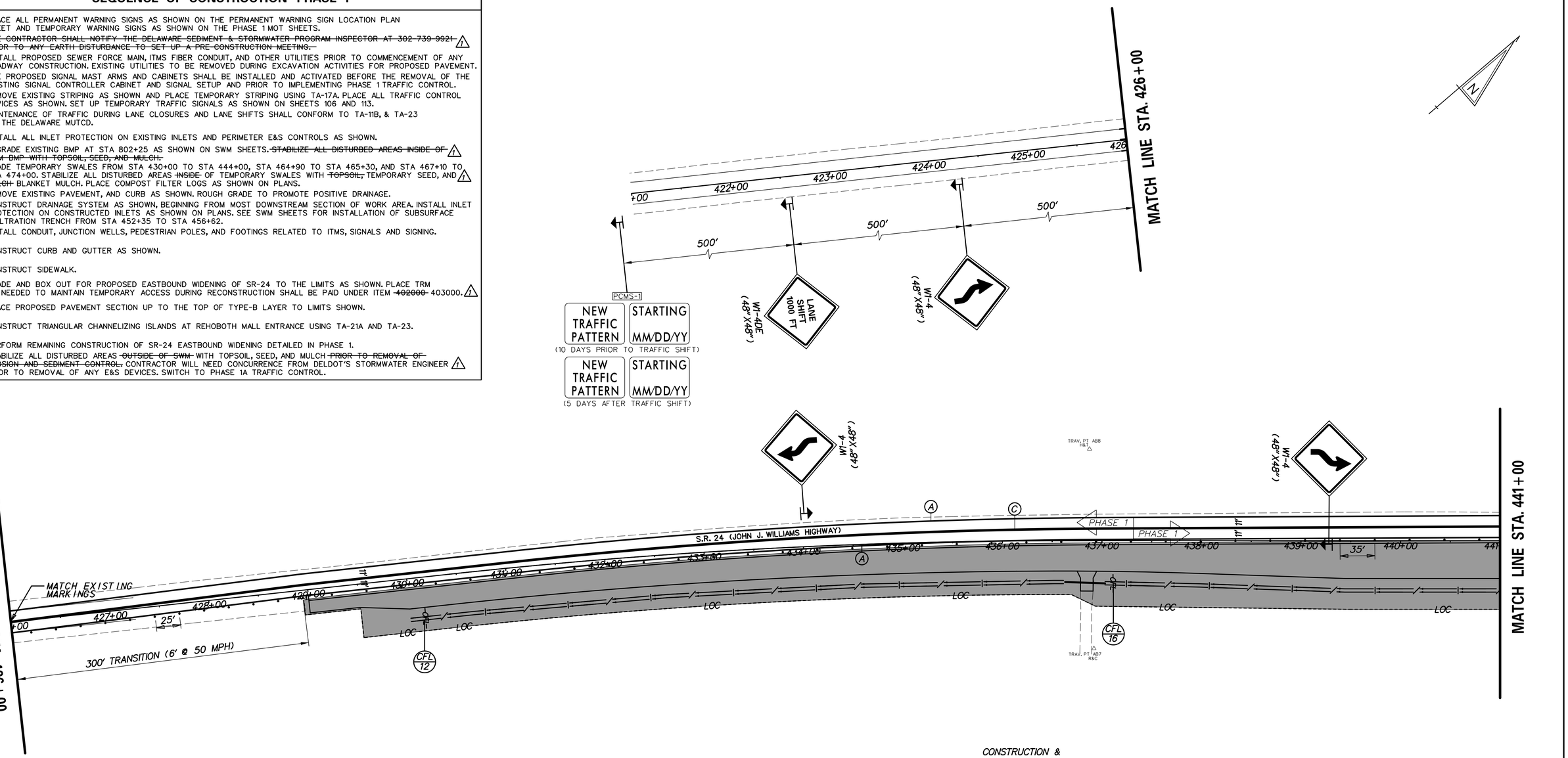
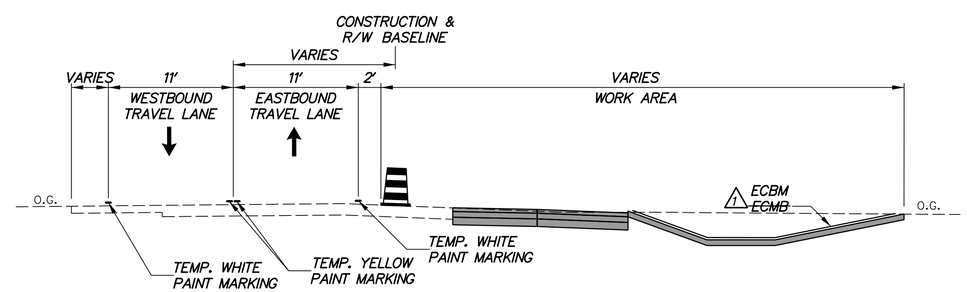
SEQUENCE OF CONSTRUCTION PHASE 1

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET AND TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 1 MOT SHEETS.
2. ~~THE CONTRACTOR SHALL NOTIFY THE DELAWARE SEDIMENT & STORMWATER PROGRAM INSPECTOR AT 302-739-9921 PRIOR TO ANY EARTH DISTURBANCE TO SET UP A PRE-CONSTRUCTION MEETING.~~ 1
3. INSTALL PROPOSED SEWER FORCE MAIN, ITMS FIBER CONDUIT, AND OTHER UTILITIES PRIOR TO COMMENCEMENT OF ANY ROADWAY CONSTRUCTION. EXISTING UTILITIES TO BE REMOVED DURING EXCAVATION ACTIVITIES FOR PROPOSED PAVEMENT.
4. THE PROPOSED SIGNAL MAST ARMS AND CABINETS SHALL BE INSTALLED AND ACTIVATED BEFORE THE REMOVAL OF THE EXISTING SIGNAL CONTROLLER CABINET AND SIGNAL SETUP AND PRIOR TO IMPLEMENTING PHASE 1 TRAFFIC CONTROL.
5. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SET UP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 106 AND 113.
6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
7. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
8. REGRADE EXISTING BMP AT STA 802+25 AS SHOWN ON SWM SHEETS. ~~STABILIZE ALL DISTURBED AREAS INSIDE OF SWM BMP WITH TOPSOIL, SEED, AND MULCH.~~ 1
9. GRADE TEMPORARY SWALES FROM STA 430+00 TO STA 444+00, STA 464+90 TO STA 465+30, AND STA 467+10 TO STA 474+00. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
10. REMOVE EXISTING PAVEMENT, AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
11. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS. SEE SWM SHEETS FOR INSTALLATION OF SUBSURFACE INFILTRATION TRENCH FROM STA 452+35 TO STA 456+62.
12. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
13. CONSTRUCT CURB AND GUTTER AS SHOWN.
14. CONSTRUCT SIDEWALK.
15. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
16. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
17. CONSTRUCT TRIANGULAR CHANNELIZING ISLANDS AT REHOBOTH MALL ENTRANCE USING TA-21A AND TA-23.
18. PERFORM REMAINING CONSTRUCTION OF SR-24 EASTBOUND WIDENING DETAILED IN PHASE 1.
19. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. SWITCH TO PHASE 1A TRAFFIC CONTROL. 1



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	3,012 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	3,012 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	0 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	0 SF



SR 24
STA. 429+50 TO STA. 441+00

ADDENDA / REVISIONS

1	REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

CS-02

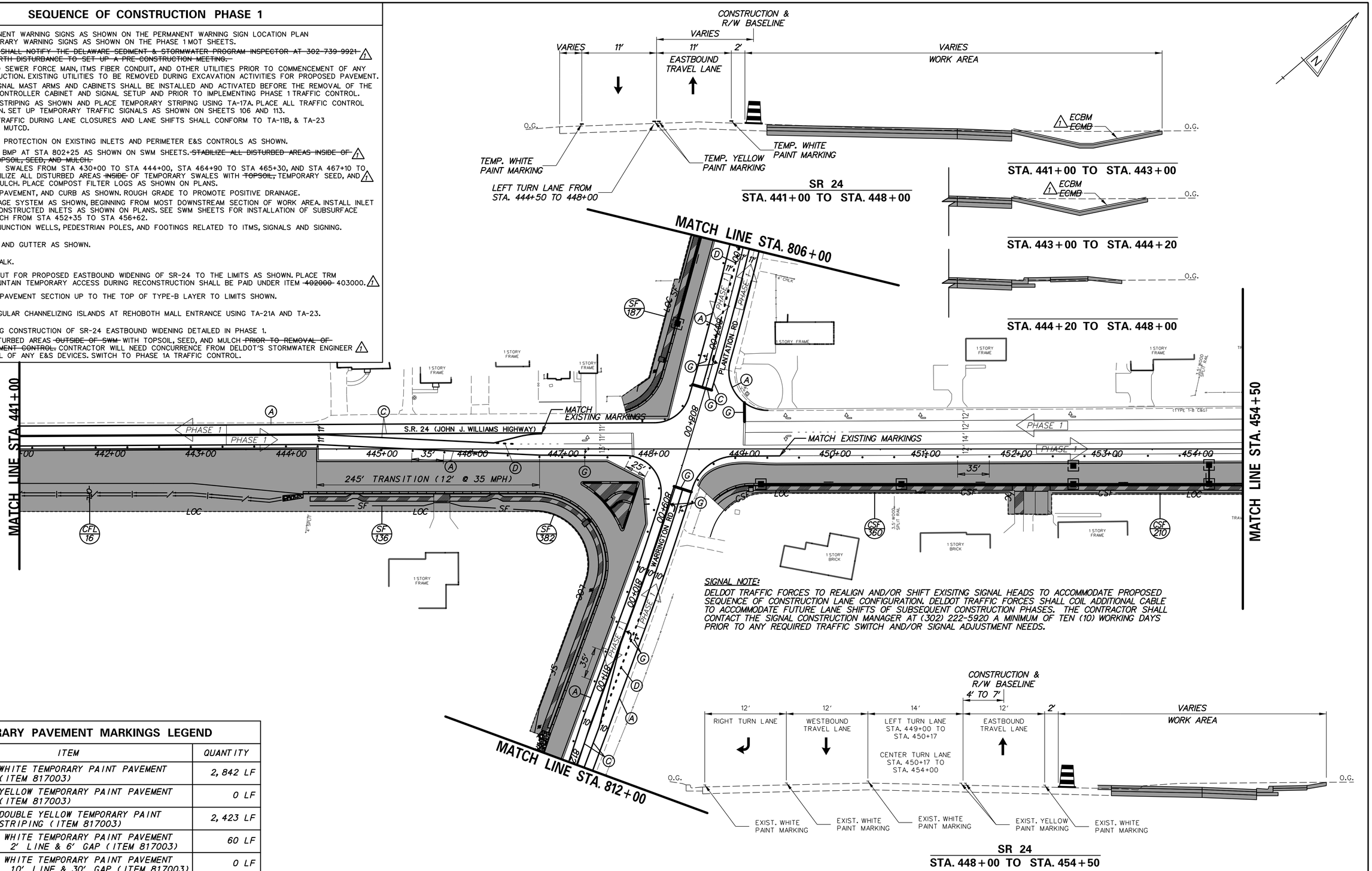
SECTION: AEC

SHEET NO. 51

10/22/2019
10:07:23 AM
\\usphl1fp002\data\Projects\60487648 - DelDOT Agreement 1709\Task 001 - SR 24 Mulberry Knoll to SR 1\900_Work\910_CAD\20-SHEETS\003_Staging\50_CS02.dgn

SEQUENCE OF CONSTRUCTION PHASE 1

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET AND TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 1 MOT SHEETS.
2. ~~THE CONTRACTOR SHALL NOTIFY THE DELAWARE SEDIMENT & STORMWATER PROGRAM INSPECTOR AT 302-739-9921 PRIOR TO ANY EARTH DISTURBANCE TO SET UP A PRE-CONSTRUCTION MEETING.~~ 1
3. INSTALL PROPOSED SEWER FORCE MAIN, ITMS FIBER CONDUIT, AND OTHER UTILITIES PRIOR TO COMMENCEMENT OF ANY ROADWAY CONSTRUCTION. EXISTING UTILITIES TO BE REMOVED DURING EXCAVATION ACTIVITIES FOR PROPOSED PAVEMENT.
4. THE PROPOSED SIGNAL MAST ARMS AND CABINETS SHALL BE INSTALLED AND ACTIVATED BEFORE THE REMOVAL OF THE EXISTING SIGNAL CONTROLLER CABINET AND SIGNAL SETUP AND PRIOR TO IMPLEMENTING PHASE 1 TRAFFIC CONTROL.
5. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SET UP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 106 AND 113.
6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
7. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
8. REGRADE EXISTING BMP AT STA 802+25 AS SHOWN ON SWM SHEETS. ~~STABILIZE ALL DISTURBED AREAS INSIDE OF SWM BMP WITH TOPSOIL, SEED, AND MULCH.~~ 1
9. GRADE TEMPORARY SWALES FROM STA 430+00 TO STA 444+00, STA 464+90 TO STA 465+30, AND STA 467+10 TO STA 474+00. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
10. REMOVE EXISTING PAVEMENT, AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
11. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS. SEE SWM SHEETS FOR INSTALLATION OF SUBSURFACE INFILTRATION TRENCH FROM STA 452+35 TO STA 456+62.
12. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
13. CONSTRUCT CURB AND GUTTER AS SHOWN.
14. CONSTRUCT SIDEWALK.
15. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
16. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
17. CONSTRUCT TRIANGULAR CHANNELIZING ISLANDS AT REHOBOTH MALL ENTRANCE USING TA-21A AND TA-23.
18. PERFORM REMAINING CONSTRUCTION OF SR-24 EASTBOUND WIDENING DETAILED IN PHASE 1.
19. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. SWITCH TO PHASE 1A TRAFFIC TRAFFIC CONTROL. 1



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	2,842 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	2,423 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	60 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	212 SF

ADDENDA / REVISIONS

1 REVISED SEQUENCE OF CONSTRUCTION — D. SEMPLE 10/03/2019

SCALE: 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY	CHECKED BY: D. SEMPLE	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

CS–03

SECTION: AEC

SHEET NO. 52

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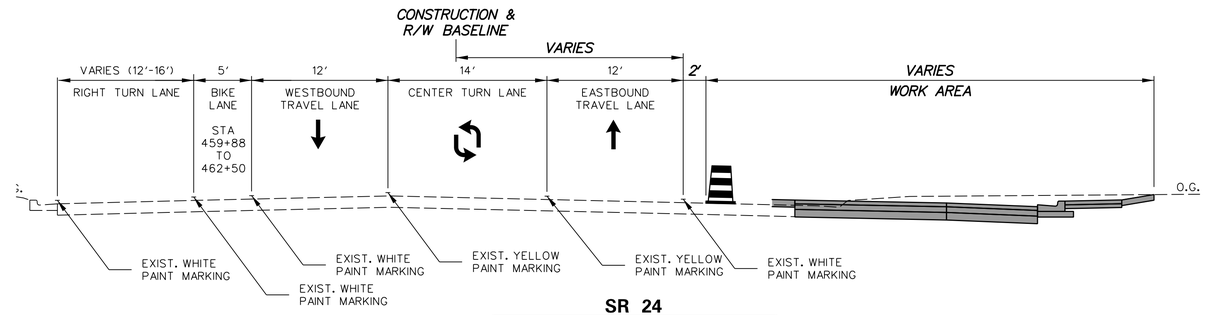
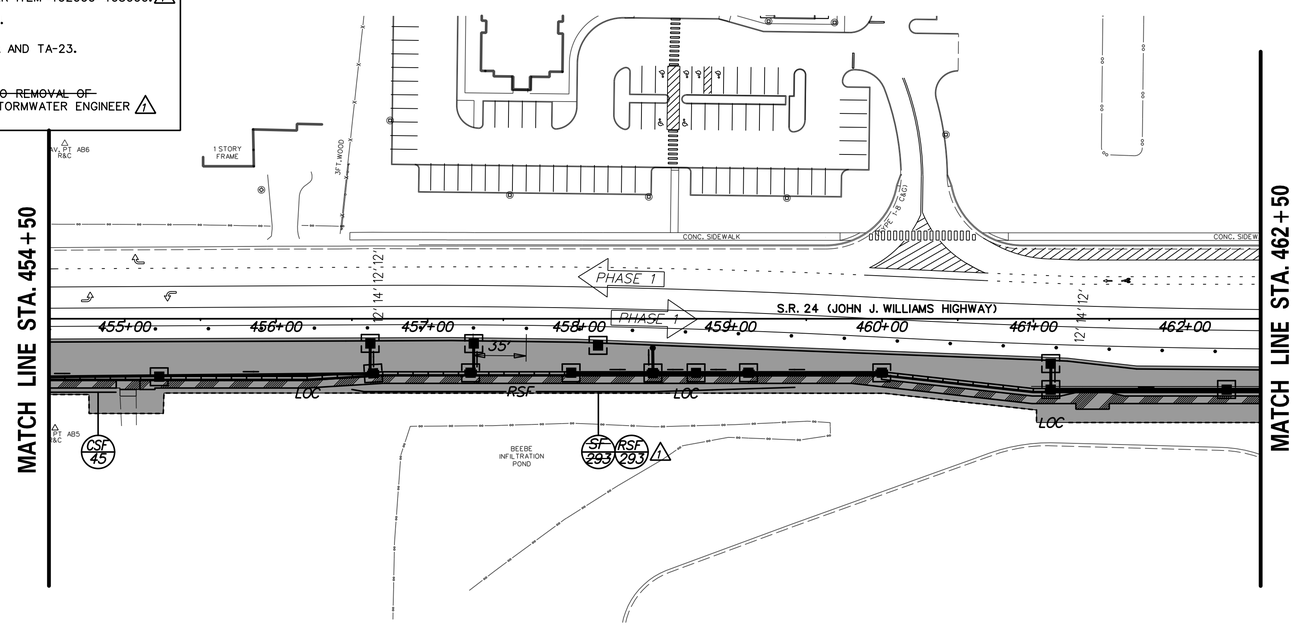
SEQUENCE OF CONSTRUCTION PHASE 1

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET AND TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 1 MOT SHEETS.
2. ~~THE CONTRACTOR SHALL NOTIFY THE DELAWARE SEDIMENT & STORMWATER PROGRAM INSPECTOR AT 302-739-9921 PRIOR TO ANY EARTH DISTURBANCE TO SET UP A PRE-CONSTRUCTION MEETING.~~ 1
3. INSTALL PROPOSED SEWER FORCE MAIN, ITMS FIBER CONDUIT, AND OTHER UTILITIES PRIOR TO COMMENCEMENT OF ANY ROADWAY CONSTRUCTION. EXISTING UTILITIES TO BE REMOVED DURING EXCAVATION ACTIVITIES FOR PROPOSED PAVEMENT.
4. THE PROPOSED SIGNAL MAST ARMS AND CABINETS SHALL BE INSTALLED AND ACTIVATED BEFORE THE REMOVAL OF THE EXISTING SIGNAL CONTROLLER CABINET AND SIGNAL SETUP AND PRIOR TO IMPLEMENTING PHASE 1 TRAFFIC CONTROL.
5. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SET UP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 106 AND 113.
6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
7. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
8. REGRADE EXISTING BMP AT STA 802+25 AS SHOWN ON SWM SHEETS. ~~STABILIZE ALL DISTURBED AREAS INSIDE OF SWM BMP WITH TOPSOIL, SEED, AND MULCH.~~ 1
9. GRADE TEMPORARY SWALES FROM STA 430+00 TO STA 444+00, STA 464+90 TO STA 465+30, AND STA 467+10 TO STA 474+00. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
10. REMOVE EXISTING PAVEMENT, AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
11. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS. SEE SWM SHEETS FOR INSTALLATION OF SUBSURFACE INFILTRATION TRENCH FROM STA 452+35 TO STA 456+62.
12. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
13. CONSTRUCT CURB AND GUTTER AS SHOWN.
14. CONSTRUCT SIDEWALK.
15. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
16. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
17. CONSTRUCT TRIANGULAR CHANNELIZING ISLANDS AT REHOBOTH MALL ENTRANCE USING TA-21A AND TA-23.
18. PERFORM REMAINING CONSTRUCTION OF SR-24 EASTBOUND WIDENING DETAILED IN PHASE 1.
19. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. SWITCH TO PHASE 1A TRAFFIC CONTROL. 1



SR 24
STA. 454+50 TO STA. 462+50



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	0 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	0 SF

ADDENDA / REVISIONS

1 REVISED SEQUENCE OF CONSTRUCTION; SILT FENCE REVISED TO REINFORCED SILT FENCE D. SEMPLE 10/03/2019

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

CS-04
SECTION AEC
SHEET NO. 53

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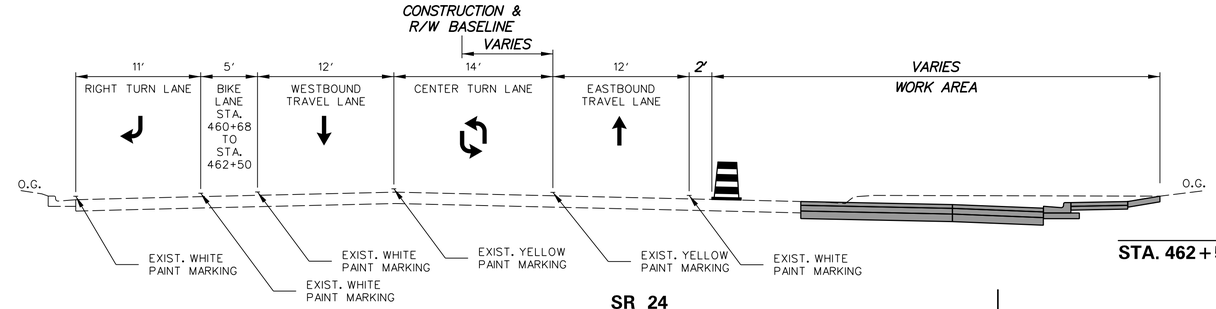
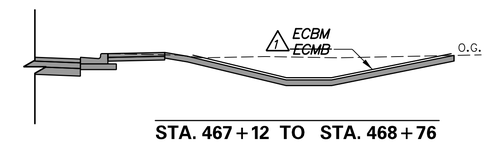
SEQUENCE OF CONSTRUCTION PHASE 1

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET AND TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 1 MOT SHEETS.
2. ~~THE CONTRACTOR SHALL NOTIFY THE DELAWARE SEDIMENT & STORMWATER PROGRAM INSPECTOR AT 302-739-9921 PRIOR TO ANY EARTH DISTURBANCE TO SET UP A PRE-CONSTRUCTION MEETING.~~ 1
3. INSTALL PROPOSED SEWER FORCE MAIN, ITMS FIBER CONDUIT, AND OTHER UTILITIES PRIOR TO COMMENCEMENT OF ANY ROADWAY CONSTRUCTION. EXISTING UTILITIES TO BE REMOVED DURING EXCAVATION ACTIVITIES FOR PROPOSED PAVEMENT.
4. THE PROPOSED SIGNAL MAST ARMS AND CABINETS SHALL BE INSTALLED AND ACTIVATED BEFORE THE REMOVAL OF THE EXISTING SIGNAL CONTROLLER CABINET AND SIGNAL SETUP AND PRIOR TO IMPLEMENTING PHASE 1 TRAFFIC CONTROL.
5. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SET UP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 106 AND 113.
6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
7. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
8. REGRADE EXISTING BMP AT STA 802+25 AS SHOWN ON SWM SHEETS. ~~STABILIZE ALL DISTURBED AREAS INSIDE OF SWM BMP WITH TOPSOIL, SEED, AND MULCH.~~ 1
9. GRADE TEMPORARY SWALES FROM STA 430+00 TO STA 444+00, STA 464+90 TO STA 465+30, AND STA 467+10 TO STA 474+00. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
10. REMOVE EXISTING PAVEMENT, AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
11. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS. SEE SWM SHEETS FOR INSTALLATION OF SUBSURFACE INFILTRATION TRENCH FROM STA 452+35 TO STA 456+62.
12. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
13. CONSTRUCT CURB AND GUTTER AS SHOWN.
14. CONSTRUCT SIDEWALK.
15. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
16. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
17. CONSTRUCT TRIANGULAR CHANNELIZING ISLANDS AT REHOBOTH MALL ENTRANCE USING TA-21A AND TA-23.
18. PERFORM REMAINING CONSTRUCTION OF SR-24 EASTBOUND WIDENING DETAILED IN PHASE 1.
19. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. SWITCH TO PHASE 1A TRAFFIC CONTROL. 1

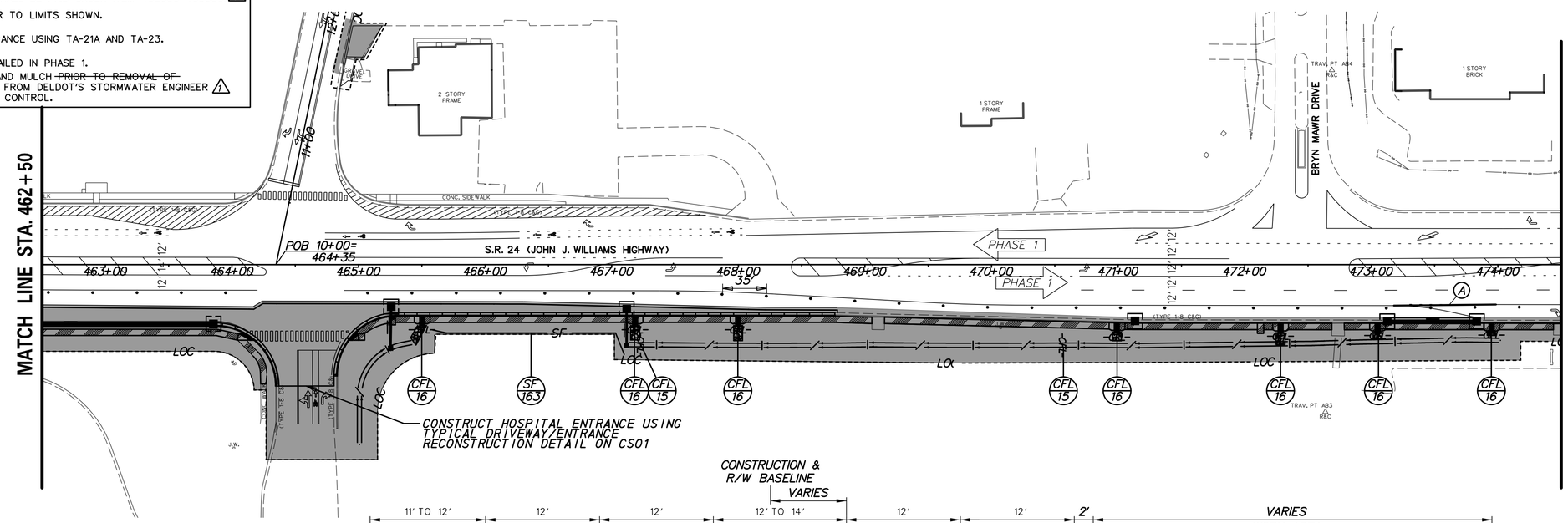


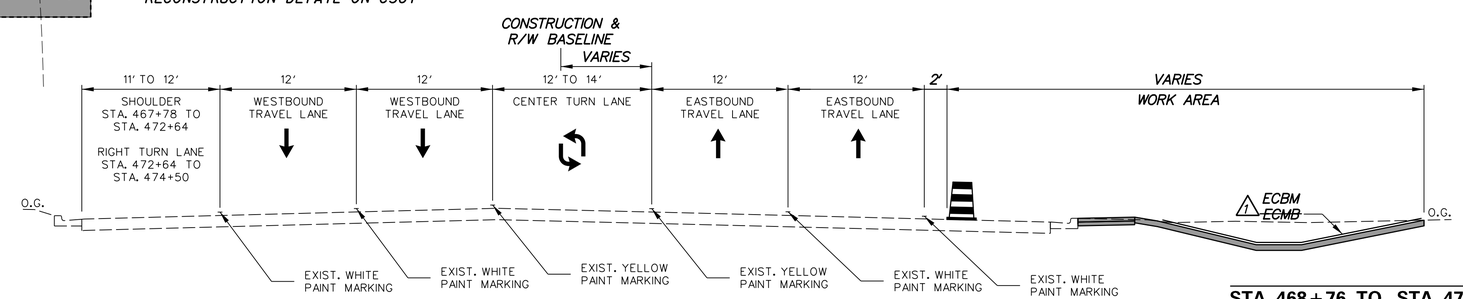
SR 24
STA. 462+50 TO STA. 468+76



STA. 462+50 TO STA. 467+12

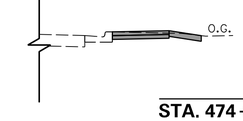
STA. 467+12 TO STA. 468+76





SR 24
STA. 468+76 TO STA. 474+50

STA. 468+76 TO STA. 474+00



STA. 474+00 TO STA. 474+50

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	81 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	0 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	0 SF

ADDENDA / REVISIONS

1	REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019

SCALE: 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

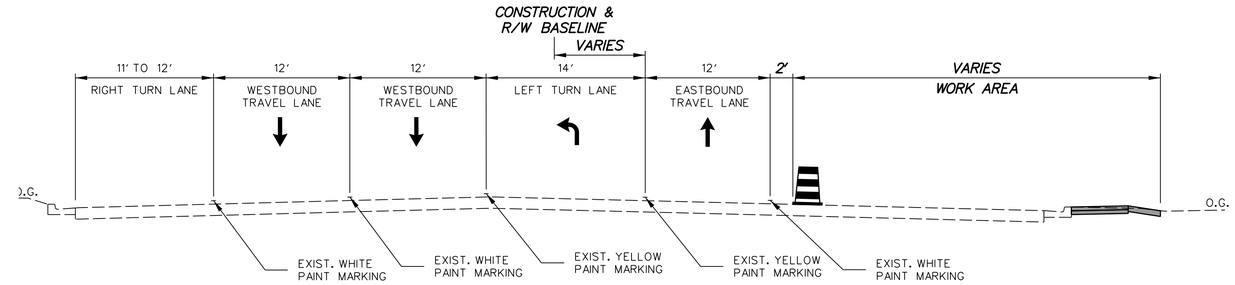
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

CS–05
SECTION: AEC
SHEET NO. 54

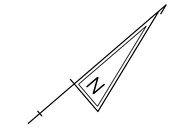
10/22/2019
10:07:26 AM
\\usphl1tp002\data\Projects\60487648 - DelDOT Agreement 1709\Task 001 - SR 24 Mulberry Knoll to SR 1\900_Work\910_CAD\20-SHEETS\003_Staging\S3_CS05.dgn

SEQUENCE OF CONSTRUCTION PHASE 1

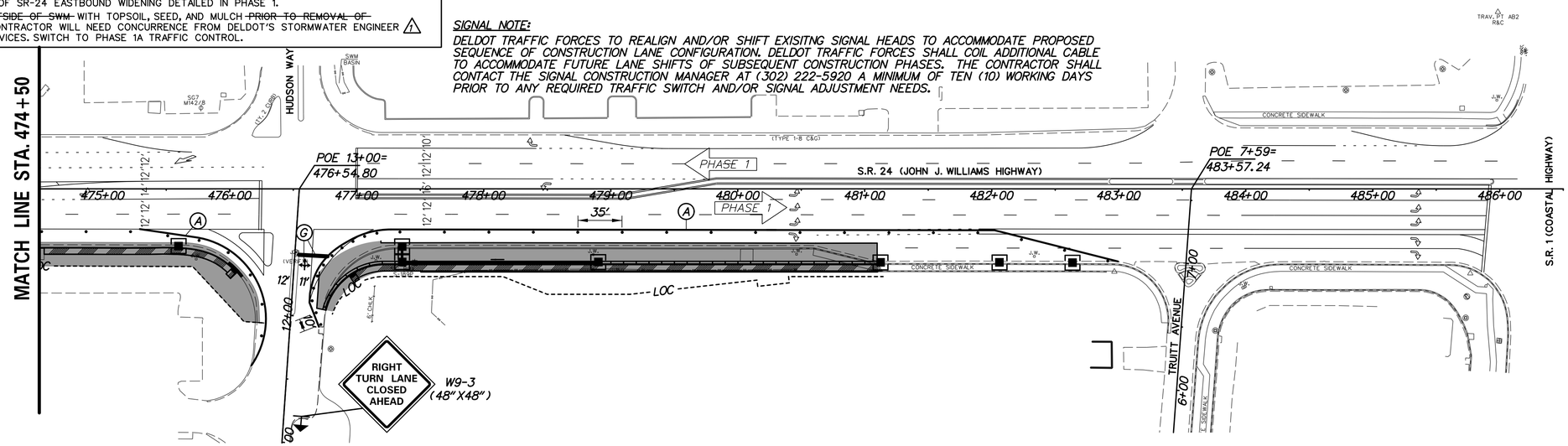
1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET AND TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 1 MOT SHEETS.
2. ~~THE CONTRACTOR SHALL NOTIFY THE DELAWARE SEDIMENT & STORMWATER PROGRAM INSPECTOR AT 302-739-9921 PRIOR TO ANY EARTH DISTURBANCE TO SET UP A PRE-CONSTRUCTION MEETING.~~ 1
3. INSTALL PROPOSED SEWER FORCE MAIN, ITMS FIBER CONDUIT, AND OTHER UTILITIES PRIOR TO COMMENCEMENT OF ANY ROADWAY CONSTRUCTION. EXISTING UTILITIES TO BE REMOVED DURING EXCAVATION ACTIVITIES FOR PROPOSED PAVEMENT.
4. THE PROPOSED SIGNAL MAST ARMS AND CABINETS SHALL BE INSTALLED AND ACTIVATED BEFORE THE REMOVAL OF THE EXISTING SIGNAL CONTROLLER CABINET AND SIGNAL SETUP AND PRIOR TO IMPLEMENTING PHASE 1 TRAFFIC CONTROL.
5. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SET UP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 106 AND 113.
6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
7. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
8. REGRADE EXISTING BMP AT STA 802+25 AS SHOWN ON SWM SHEETS. ~~STABILIZE ALL DISTURBED AREAS INSIDE OF SWM BMP WITH TOPSOIL, SEED, AND MULCH.~~ 1
9. GRADE TEMPORARY SWALES FROM STA 430+00 TO STA 444+00, STA 464+90 TO STA 465+30, AND STA 467+10 TO STA 474+00. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
10. REMOVE EXISTING PAVEMENT, AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
11. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS. SEE SWM SHEETS FOR INSTALLATION OF SUBSURFACE INFILTRATION TRENCH FROM STA 452+35 TO STA 456+62.
12. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
13. CONSTRUCT CURB AND GUTTER AS SHOWN.
14. CONSTRUCT SIDEWALK.
15. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
16. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
17. CONSTRUCT TRIANGULAR CHANNELIZING ISLANDS AT REHOBOTH MALL ENTRANCE USING TA-21A AND TA-23.
18. PERFORM REMAINING CONSTRUCTION OF SR-24 EASTBOUND WIDENING DETAILED IN PHASE 1.
19. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. SWITCH TO PHASE 1A TRAFFIC CONTROL. 1



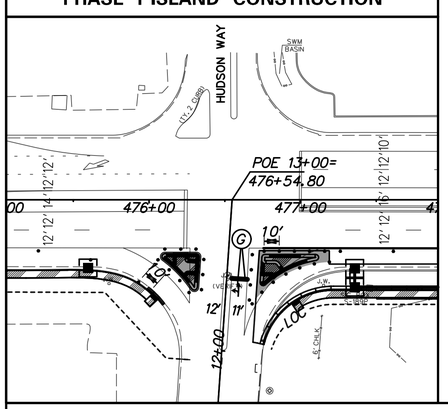
SR 24
STA. 474+50 TO STA. 476+23



SIGNAL NOTE:
DELDOT TRAFFIC FORCES TO REALIGN AND/OR SHIFT EXISITNG SIGNAL HEADS TO ACCOMMODATE PROPOSED SEQUENCE OF CONSTRUCTION LANE CONFIGURATION. DELDOT TRAFFIC FORCES SHALL COIL ADDITIONAL CABLE TO ACCOMMODATE FUTURE LANE SHIFTS OF SUBSEQUENT CONSTRUCTION PHASES. THE CONTRACTOR SHALL CONTACT THE SIGNAL CONSTRUCTION MANAGER AT (302) 222-5920 A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO ANY REQUIRED TRAFFIC SWITCH AND/OR SIGNAL ADJUSTMENT NEEDS.

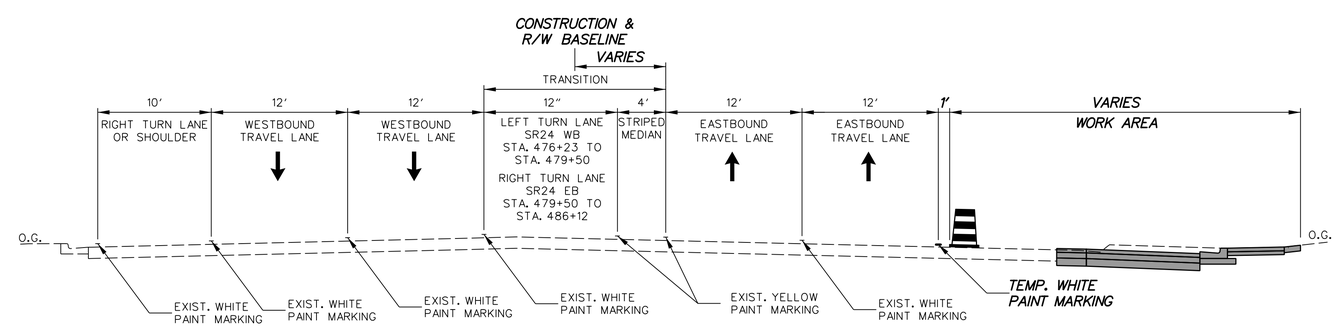


PHASE 1 ISLAND CONSTRUCTION



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	844 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	0 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	54 SF



SR 24
STA. 476+23 TO STA. 486+12

NOTE:

1. *THE EXISTING SITE CONDITIONS AND CONTOURS ARE SUBJECT TO CHANGE DUE TO ON GOING LAND DEVELOPMENT.*

ADDENDA / REVISIONS

1	REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

CS–06
SECTION
AEC
SHEET NO.
55

10/21/2019
3:58:18 PM
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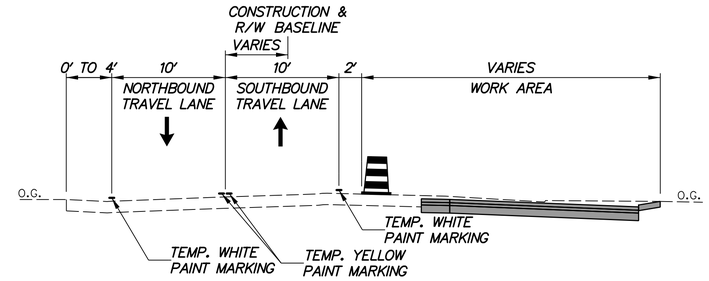
TEMPORARY PAVEMENT MARKINGS LEGEND

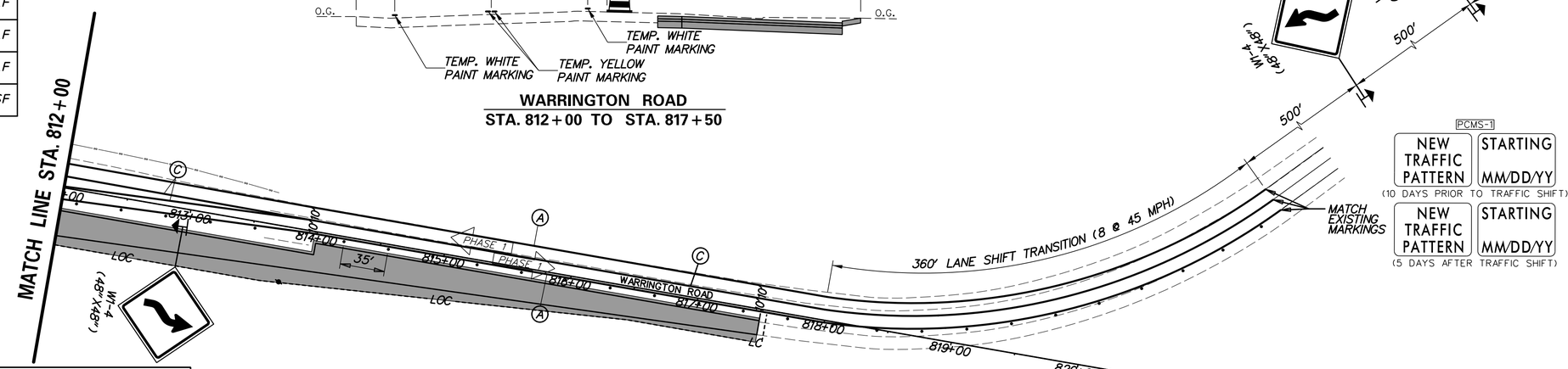
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	4, 225 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	4, 224 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	25 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	0 SF

NOTE:

1. THE EXISTING SITE CONDITIONS AND CONTOURS ARE SUBJECT TO CHANGE DUE TO ON GOING LAND DEVELOPMENT.

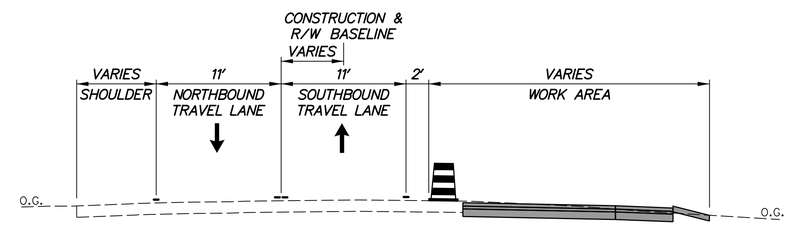


WARRINGTON ROAD
STA. 812+00 TO STA. 817+50



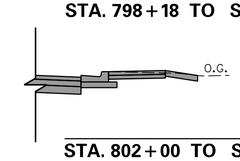
SEQUENCE OF CONSTRUCTION PHASE 1

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET AND TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 1 MOT SHEETS.
2. ~~THE CONTRACTOR SHALL NOTIFY THE DELAWARE SEDIMENT & STORMWATER PROGRAM INSPECTOR AT 302-739-9921 PRIOR TO ANY EARTH DISTURBANCE TO SET UP A PRE-CONSTRUCTION MEETING.~~ 1
3. INSTALL PROPOSED SEWER FORCE MAIN, ITMS FIBER CONDUIT, AND OTHER UTILITIES PRIOR TO COMMENCEMENT OF ANY ROADWAY CONSTRUCTION. EXISTING UTILITIES TO BE REMOVED DURING EXCAVATION ACTIVITIES FOR PROPOSED PAVEMENT.
4. THE PROPOSED SIGNAL MAST ARMS AND CABINETS SHALL BE INSTALLED AND ACTIVATED BEFORE THE REMOVAL OF THE EXISTING SIGNAL CONTROLLER CABINET AND SIGNAL SETUP AND PRIOR TO IMPLEMENTING PHASE 1 TRAFFIC CONTROL.
5. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SET UP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 106 AND 113.
6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
7. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
8. REGRADE EXISTING BMP AT STA 802+25 AS SHOWN ON SWM SHEETS. ~~STABILIZE ALL DISTURBED AREAS INSIDE OF SWM BMP WITH TOPSOIL, SEED, AND MULCH.~~ 1
9. GRADE TEMPORARY SWALES FROM STA 430+00 TO STA 444+00, STA 464+90 TO STA 465+30, AND STA 467+10 TO STA 474+00. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
10. REMOVE EXISTING PAVEMENT, AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
11. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS. SEE SWM SHEETS FOR INSTALLATION OF SUBSURFACE INFILTRATION TRENCH FROM STA 452+35 TO STA 456+62.
12. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
13. CONSTRUCT CURB AND GUTTER AS SHOWN.
14. CONSTRUCT SIDEWALK.
15. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
16. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
17. CONSTRUCT TRIANGULAR CHANNELIZING ISLANDS AT REHOBOTH MALL ENTRANCE USING TA-21A AND TA-23.
18. PERFORM REMAINING CONSTRUCTION OF SR-24 EASTBOUND WIDENING DETAILED IN PHASE 1.
19. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. SWITCH TO PHASE 1A TRAFFIC CONTROL. 1

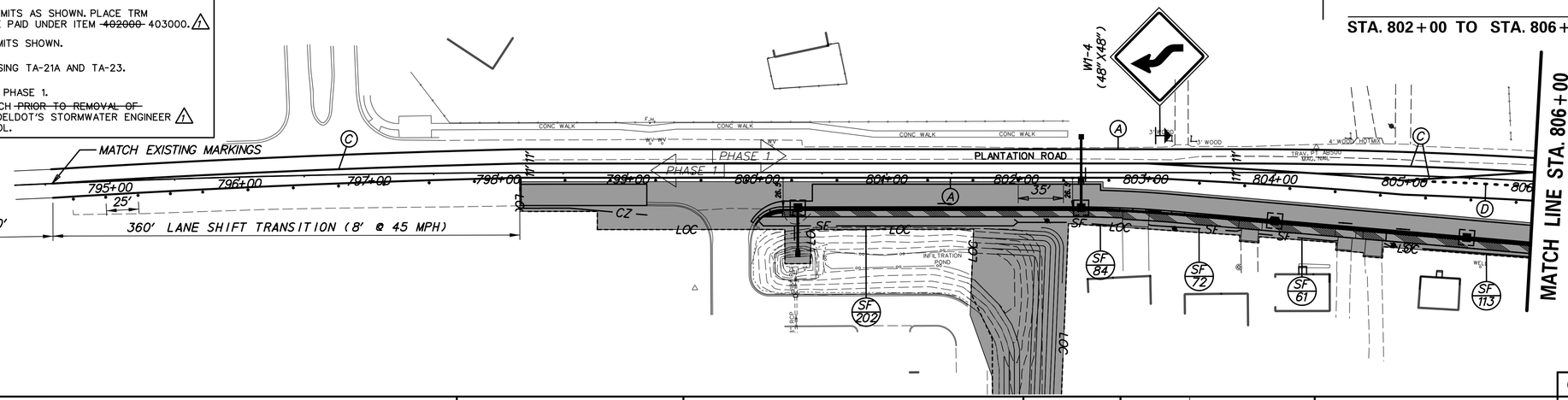


STA. 798+18 TO STA. 802+00

PLANTATION ROAD
STA. 798+18 TO STA. 806+00



STA. 802+00 TO STA. 806+00



ADDENDA / REVISIONS		
1 REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019	

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

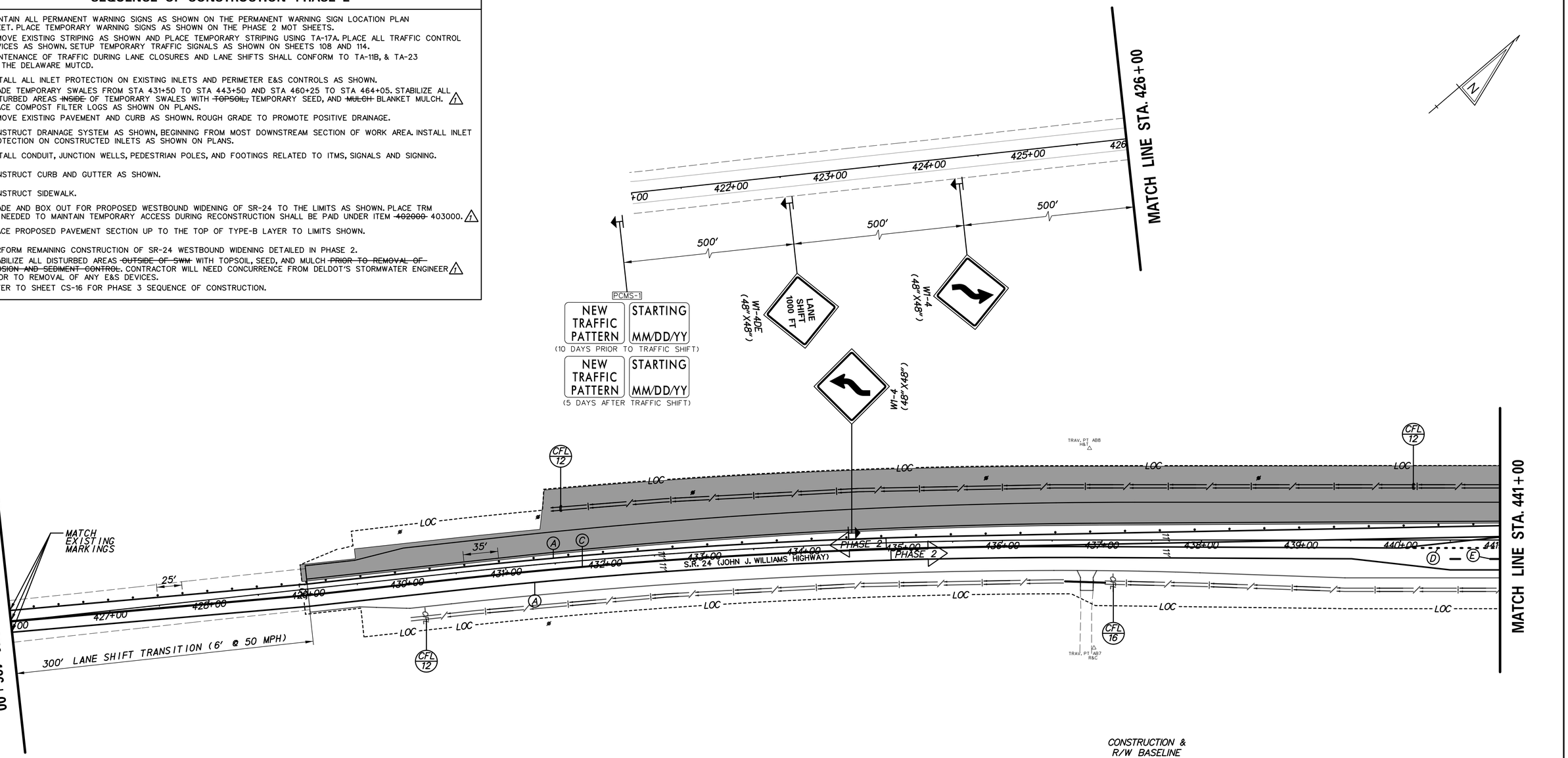
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

CS–07
SECTION
AEC
SHEET NO.
56

10/22/2019
10:07:28 AM
\\usphl1fp002\data\Projects\60487648 - DelDOT Agreement 1709\Task 001 - SR 24 Mulberry Knoll to SR 1\900_Work\910_CAD\20-SHEETS\003_Staging\55_CS07.dgn

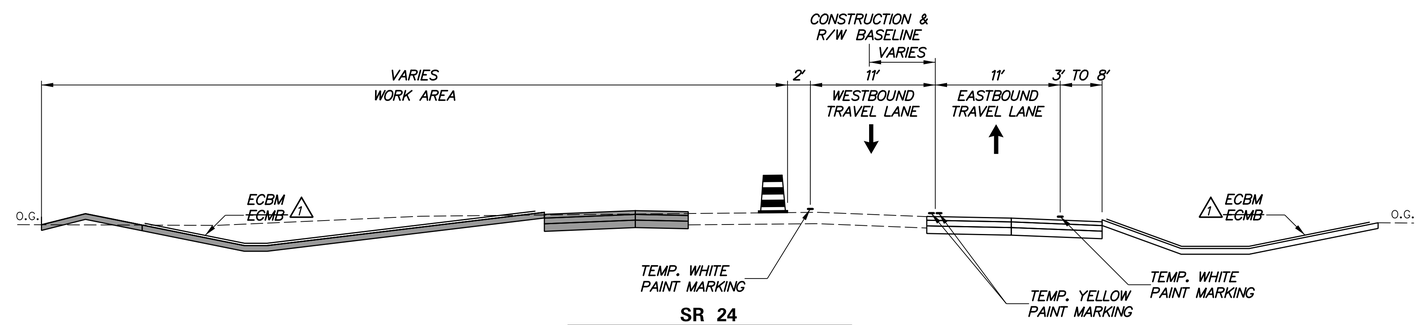
SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. △1
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. △1
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL~~. CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER △1 PRIOR TO REMOVAL OF ANY E&S DEVICES.
15. REFER TO SHEET CS-16 FOR PHASE 3 SEQUENCE OF CONSTRUCTION.



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	3,000 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	3,000 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	24 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	20 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	0 SF



SR 24
STA. 429+50 TO STA. 441+00

ADDENDA / REVISIONS

△1 REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019	

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

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

CS-11
SECTION
AEC
SHEET NO.
60

10/22/2019
10:07:34 AM
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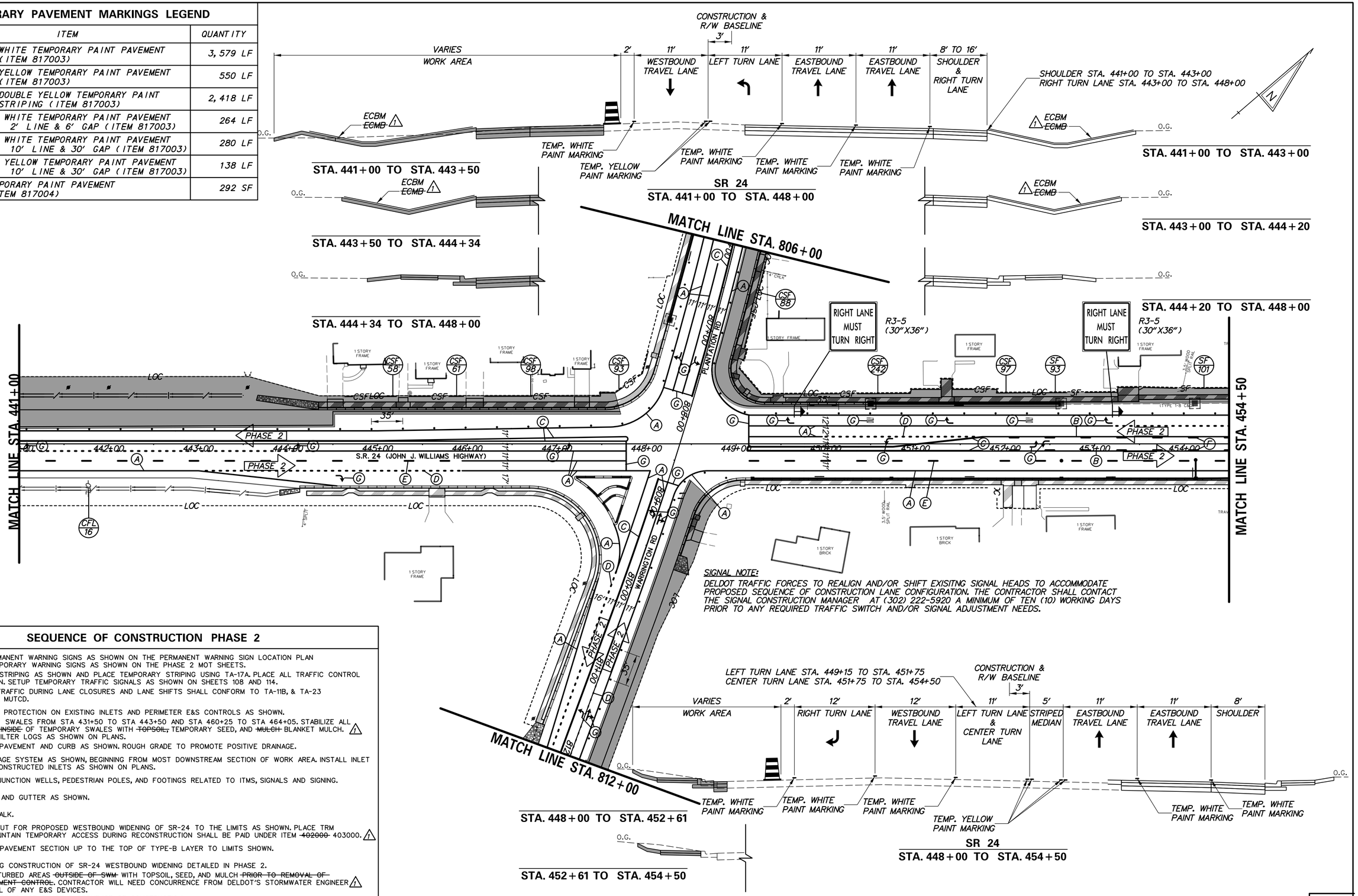
TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	3,579 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	550 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	2,418 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	264 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	280 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	138 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	292 SF



SIGNAL NOTE:
DELDOT TRAFFIC FORCES TO REALIGN AND/OR SHIFT EXISITNG SIGNAL HEADS TO ACCOMMODATE PROPOSED SEQUENCE OF CONSTRUCTION LANE CONFIGURATION. THE CONTRACTOR SHALL CONTACT THE SIGNAL CONSTRUCTION MANAGER AT (302) 222-5920 A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO ANY REQUIRED TRAFFIC SWITCH AND/OR SIGNAL ADJUSTMENT NEEDS.

SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. 1
15. REFER TO SHEET CS-16 FOR PHASE 3 SEQUENCE OF CONSTRUCTION.

ADDENDA / REVISIONS		
1 REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019	

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

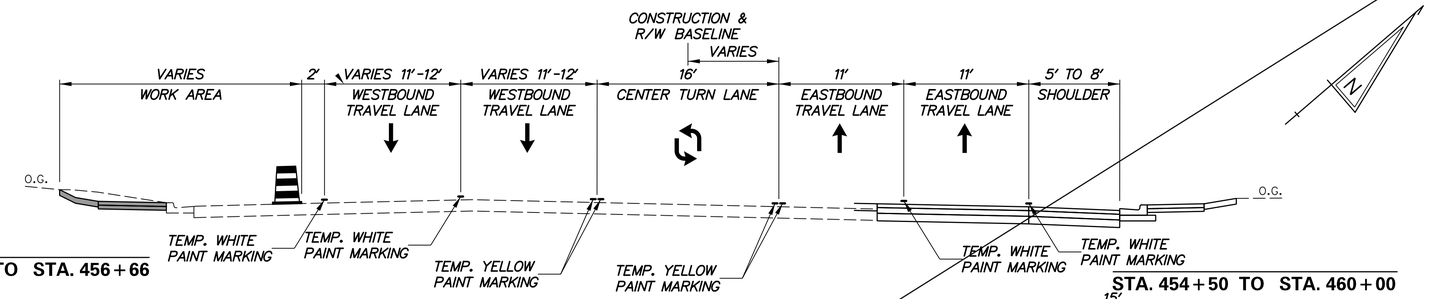
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2

CS-12

SECTION AEC

SHEET NO. 61

10/22/2019 10:07:35 AM \\usphl1fp002\data\Projects\60487648 - DelDOT Agreement 1709\Task 001 - SR 24 Mulberry Knoll to SR 1\900_Work\910_CAD\20-SHEETS\003_Staging\60_CS12.dgn

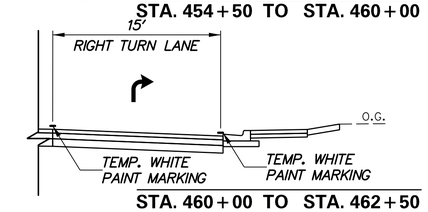


STA. 454+50 TO STA. 456+66

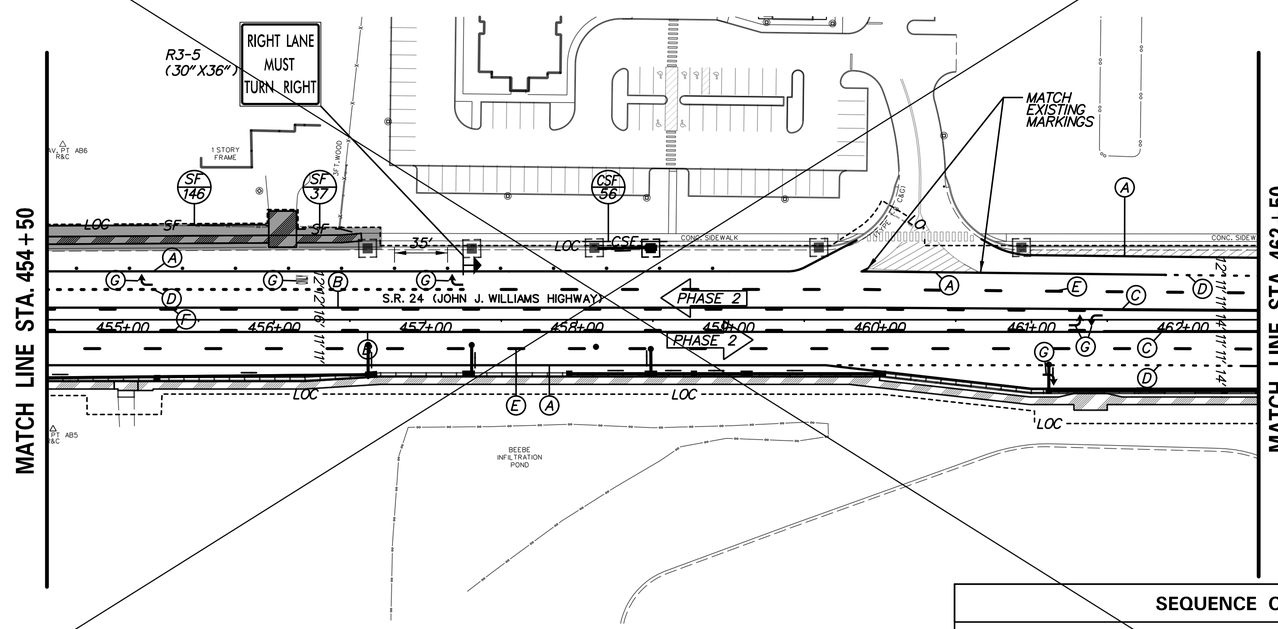
SR 24

STA. 454+50 TO STA. 462+50

STA. 454+50 TO STA. 460+00



STA. 460+00 TO STA. 462+50



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	1,741 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	1,396 LF
(C)	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	408 LF
(D)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	154 LF
(E)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	330 LF
(F)	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	360 LF
(Ø)	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	47 SF

NOTE:

1. THE EXISTING SITE CONDITIONS AND CONTOURS ARE SUBJECT TO CHANGE DUE TO ON GOING LAND DEVELOPMENT.

SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS INSIDE OF SWALES WITH TOPSOIL, SEED, AND MULCH BLANKET. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS.
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM 402000.
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS OUTSIDE OF SWM WITH TOPSOIL, SEED, AND MULCH PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL. CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES.
15. REFER TO SHEET CS-16 FOR PHASE 3 SEQUENCE OF CONSTRUCTION.

CS-13

ADDENDA / REVISIONS

1 REVISED SEQUENCE OF CONSTRUCTION AND E&S FOR DELETED DRAINAGE AT STA 458+50 LT D. SEMPLE 10/03/2019

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

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

SECTION: AEC

SHEET NO. 62

10/22/2019
10:12:54 AM
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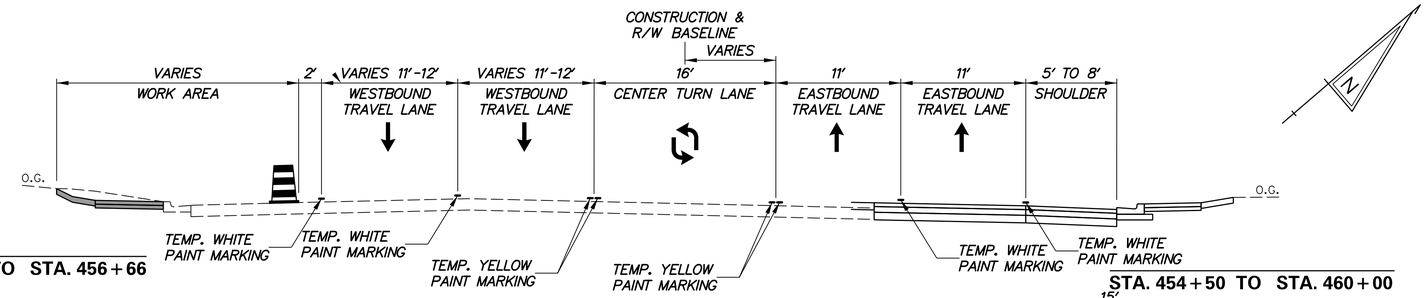

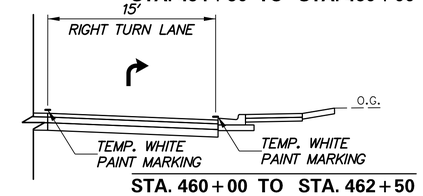

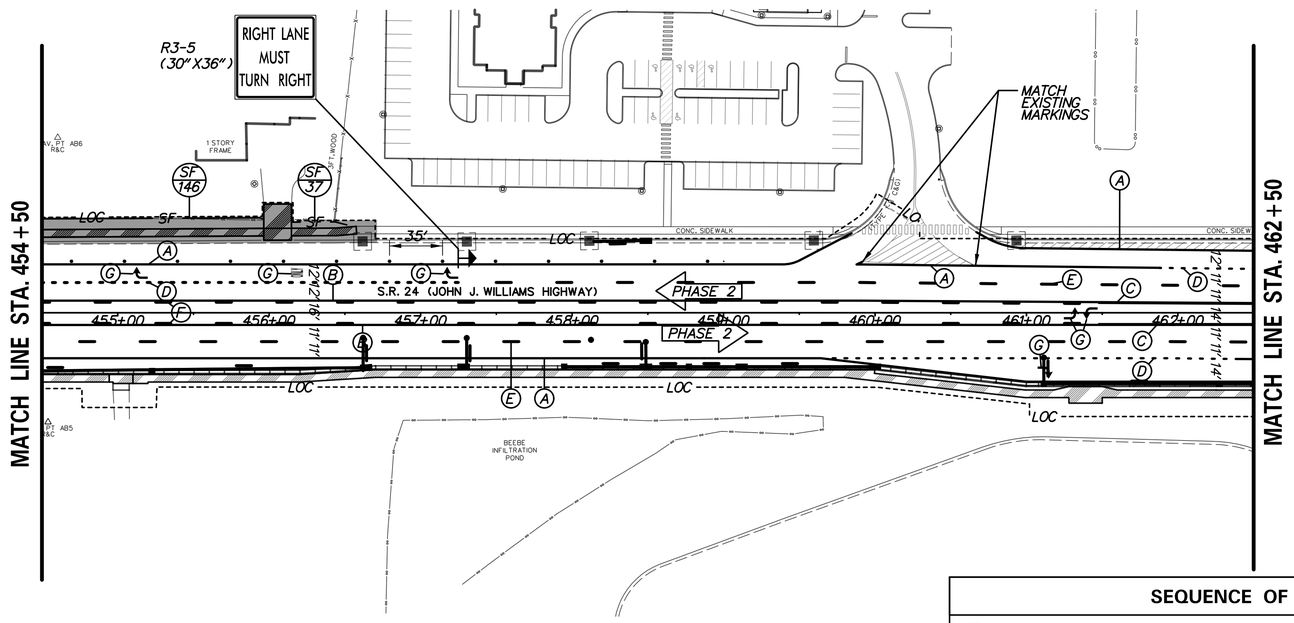

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	1,741 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	1,396 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	408 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	154 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	330 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	360 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	47 SF

NOTE:

1. THE EXISTING SITE CONDITIONS AND CONTOURS ARE SUBJECT TO CHANGE DUE TO ON GOING LAND DEVELOPMENT.

SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. 1
15. REFER TO SHEET CS-16 FOR PHASE 3 SEQUENCE OF CONSTRUCTION.

ADDENDA / REVISIONS

1 REVISED SEQUENCE OF CONSTRUCTION AND E&S FOR DELETED DRAINAGE AT STA 458+50 LT D. SEMPLE 10/03/2019

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

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

CS-13

SECTION AEC

SHEET NO. 62A

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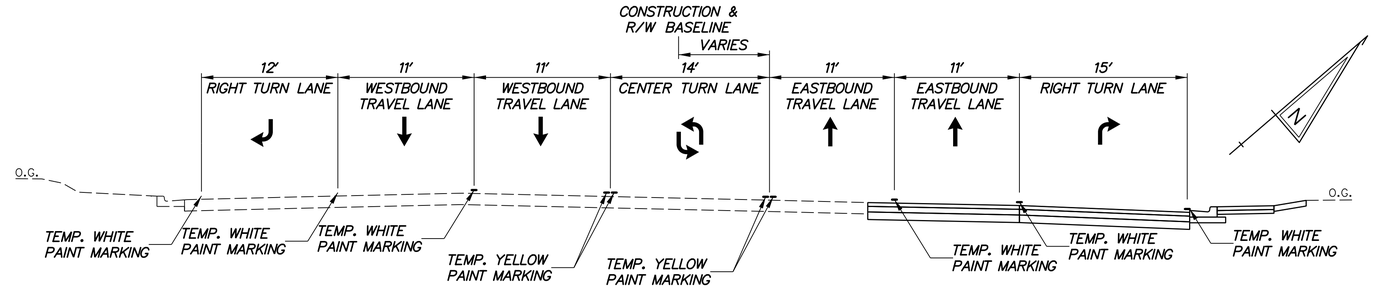
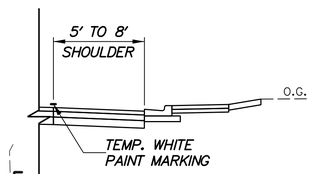
SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL~~. CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. 1
15. REFER TO SHEET CS-16 FOR PHASE 3 SEQUENCE OF CONSTRUCTION.

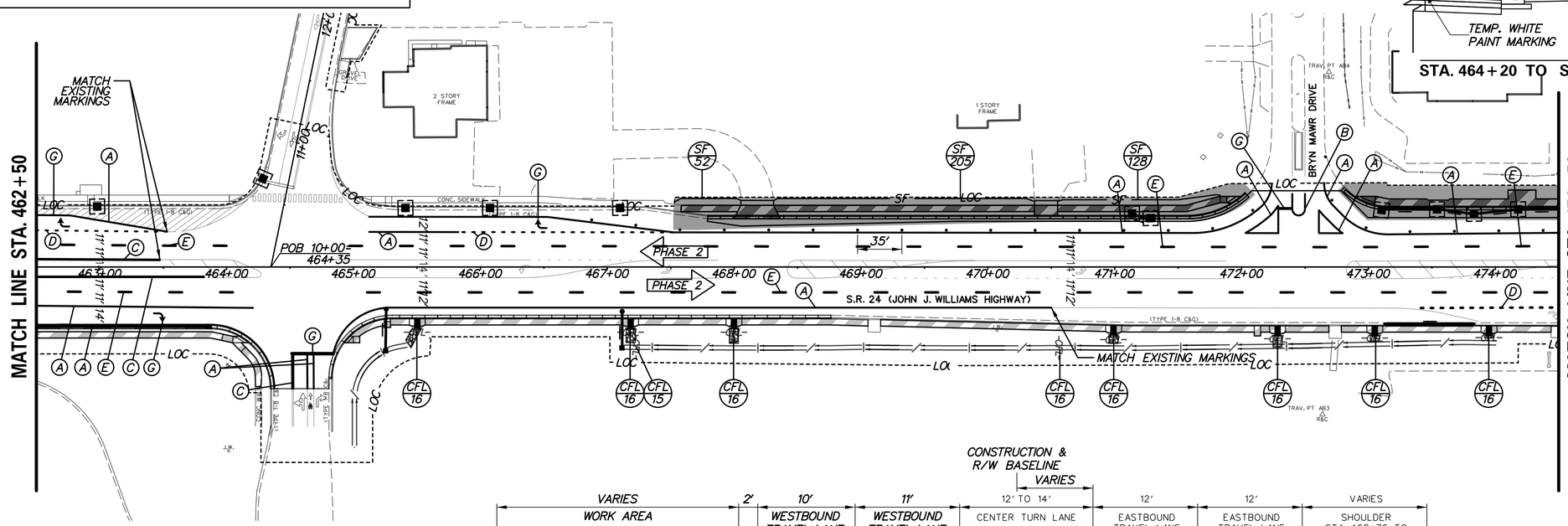


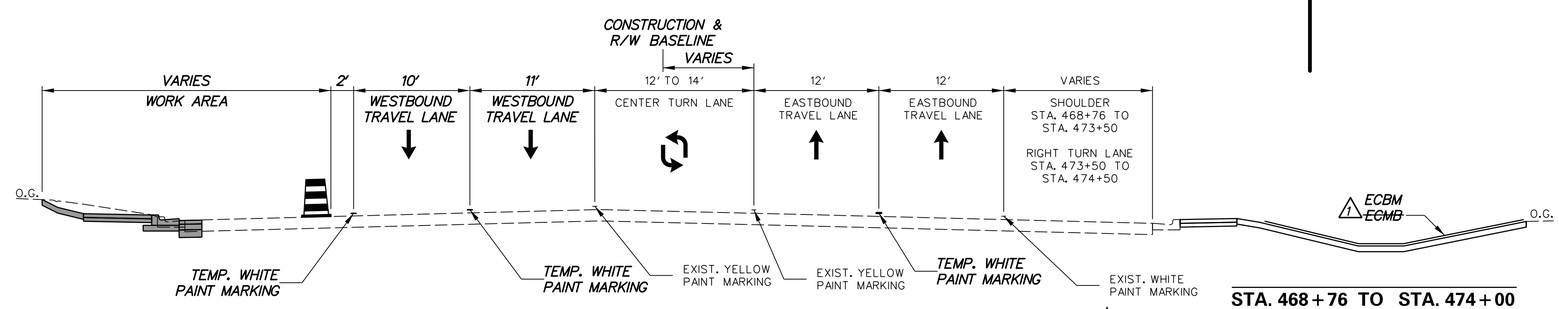
SR 24
STA. 462+50 TO STA. 467+83

STA. 462+50 TO STA. 464+20



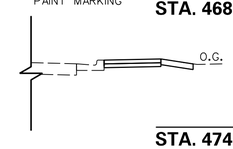
STA. 464+20 TO STA. 468+76





SR 24
STA. 467+83 TO STA. 474+50

STA. 468+76 TO STA. 474+00



STA. 474+00 TO STA. 474+50

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	2,424 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	40 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	458 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	56 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	580 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	102 SF

ADDENDA / REVISIONS

1 REVISED SEQUENCE OF CONSTRUCTION — D. SEMPLE 10/03/2019

SCALE: 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

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

CS–14

SECTION: AEC

SHEET NO. 63

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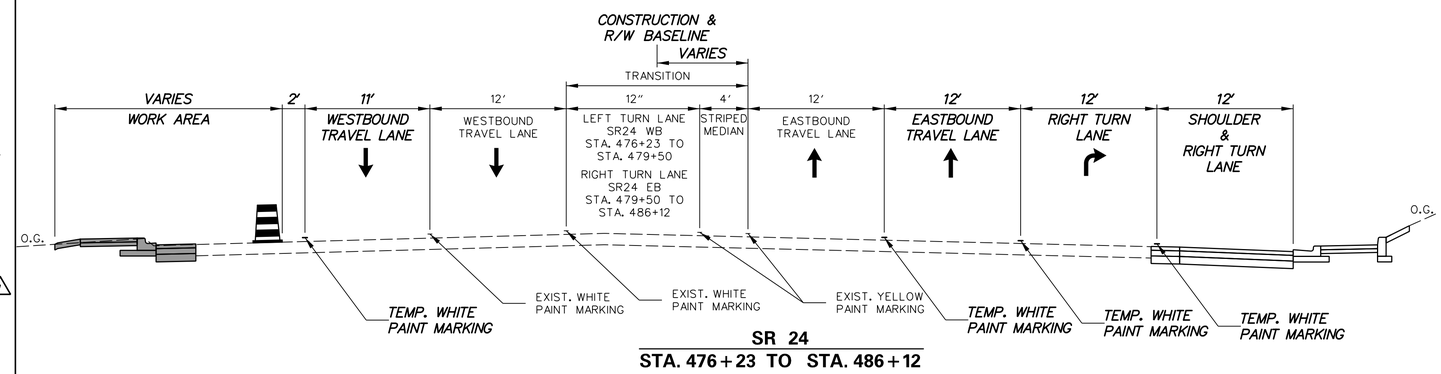
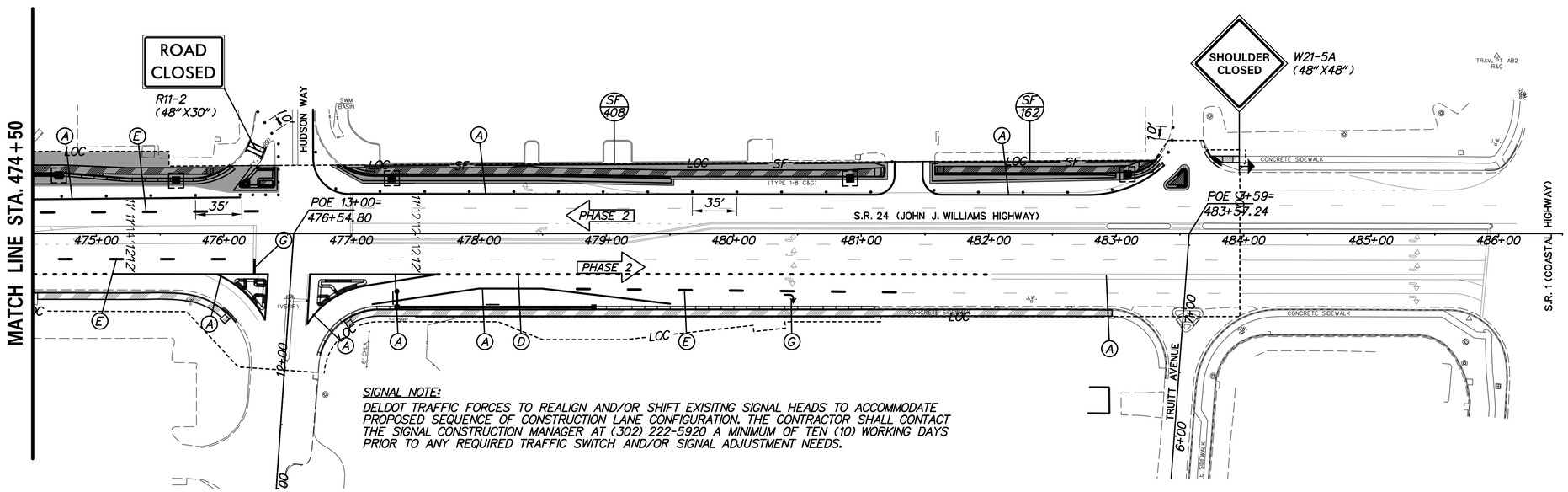
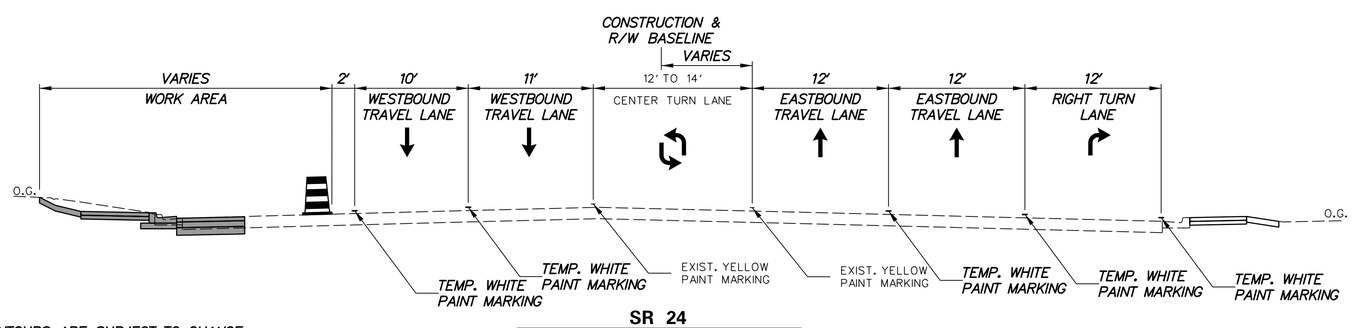
SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. △1
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. △1
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL.~~ CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER △1 PRIOR TO REMOVAL OF ANY E&S DEVICES.
15. REFER TO SHEET CS-16 FOR PHASE 3 SEQUENCE OF CONSTRUCTION.



SR 24
STA. 476+23 TO STA. 486+12





SR 24
STA. 474+50 TO STA. 476+23

NOTE:

1. THE EXISTING SITE CONDITIONS AND CONTOURS ARE SUBJECT TO CHANGE DUE TO ON GOING LAND DEVELOPMENT.

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	2,367 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
C	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	142 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	280 LF
F	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	152 SF

CS-15

ADDENDA / REVISIONS

△1 REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019	

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

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

SECTION: AEC
SHEET NO. 64

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TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	4,087 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	0 LF
(C)	4" SOLID DOUBLE YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 817003)	4,084 LF
(D)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817003)	124 LF
(E)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
(F)	4" DASHED YELLOW TEMPORARY PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817003)	0 LF
(G)	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 817004)	0 SF

NOTE:

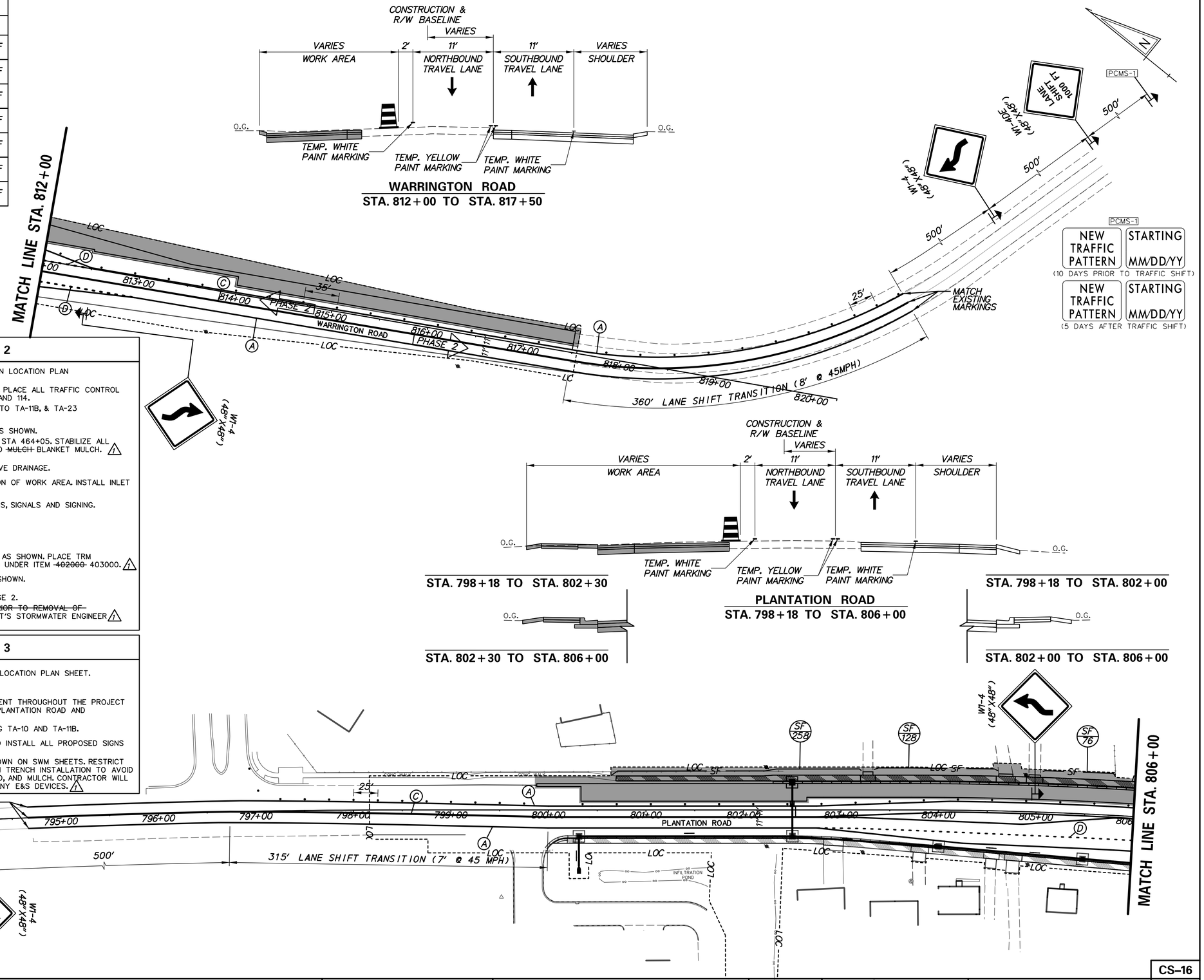
1. THE EXISTING SITE CONDITIONS AND CONTOURS ARE SUBJECT TO CHANGE DUE TO ON GOING LAND DEVELOPMENT.

SEQUENCE OF CONSTRUCTION PHASE 2

1. MAINTAIN ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET. PLACE TEMPORARY WARNING SIGNS AS SHOWN ON THE PHASE 2 MOT SHEETS.
2. REMOVE EXISTING STRIPING AS SHOWN AND PLACE TEMPORARY STRIPING USING TA-17A. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN. SETUP TEMPORARY TRAFFIC SIGNALS AS SHOWN ON SHEETS 108 AND 114.
3. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TA-11B, & TA-23 OF THE DELAWARE MUTCD.
4. INSTALL ALL INLET PROTECTION ON EXISTING INLETS AND PERIMETER E&S CONTROLS AS SHOWN.
5. GRADE TEMPORARY SWALES FROM STA 431+50 TO STA 443+50 AND STA 460+25 TO STA 464+05. STABILIZE ALL DISTURBED AREAS ~~INSIDE~~ OF TEMPORARY SWALES WITH ~~TOPSOIL,~~ TEMPORARY SEED, AND ~~MULCH~~ BLANKET MULCH. PLACE COMPOST FILTER LOGS AS SHOWN ON PLANS. 1
6. REMOVE EXISTING PAVEMENT AND CURB AS SHOWN. ROUGH GRADE TO PROMOTE POSITIVE DRAINAGE.
7. CONSTRUCT DRAINAGE SYSTEM AS SHOWN, BEGINNING FROM MOST DOWNSTREAM SECTION OF WORK AREA. INSTALL INLET PROTECTION ON CONSTRUCTED INLETS AS SHOWN ON PLANS.
8. INSTALL CONDUIT, JUNCTION WELLS, PEDESTRIAN POLES, AND FOOTINGS RELATED TO ITMS, SIGNALS AND SIGNING.
9. CONSTRUCT CURB AND GUTTER AS SHOWN.
10. CONSTRUCT SIDEWALK.
11. GRADE AND BOX OUT FOR PROPOSED WESTBOUND WIDENING OF SR-24 TO THE LIMITS AS SHOWN. PLACE TRM AS NEEDED TO MAINTAIN TEMPORARY ACCESS DURING RECONSTRUCTION SHALL BE PAID UNDER ITEM ~~402000~~ 403000. 1
12. PLACE PROPOSED PAVEMENT SECTION UP TO THE TOP OF TYPE-B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR-24 WESTBOUND WIDENING DETAILED IN PHASE 2.
14. STABILIZE ALL DISTURBED AREAS ~~OUTSIDE OF SWM~~ WITH TOPSOIL, SEED, AND MULCH ~~PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL~~. CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. 1

SEQUENCE OF CONSTRUCTION PHASE 3

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE PERMANENT WARNING SIGN LOCATION PLAN SHEET.
2. CONSTRUCT MEDIAN FROM STA 459+23 TO STA 463+92 USING TA-30.
3. USE TA-23, TA-10, AND TA-33 TO PROFILE MILL ALL REMAINING EXISTING SR-24 PAVEMENT THROUGHOUT THE PROJECT LIMITS. USE TA-6, TA-10, TA-11B, AND TA-23 TO PROFILE MILL ALL REMAINING EXISTING PLANTATION ROAD AND WARRINGTON ROAD PAVEMENT THROUGHOUT THE PROJECT LIMITS.
4. PLACE PROPOSED 2" TYPE A HOT-MIX SURFACE COURSE ALONG ENTIRE PROJECT USING TA-10 AND TA-11B.
5. PLACE FINAL PROPOSED PAVEMENT MARKINGS AND RPMS USING TA-17 AND TA-35C, AND INSTALL ALL PROPOSED SIGNS AS SHOWN IN SIGNING AND STRIPING PLANS.
6. FINALIZE CONSTRUCTION OF SWM BMPS BY INSTALLING INFILTRATION TRENCHES AS SHOWN ON SWM SHEETS. RESTRICT EQUIPMENT MOVEMENT OVER THE BMP FLOOR BEFORE, DURING, AND AFTER INFILTRATION TRENCH INSTALLATION TO AVOID OVER-COMPACTION. STABILIZE ALL DISTURBED AREAS AT SWM BMPS WITH TOPSOIL, SEED, AND MULCH. CONTRACTOR WILL NEED CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER PRIOR TO REMOVAL OF ANY E&S DEVICES. 1



ADDENDA / REVISIONS		
1 REVISED SEQUENCE OF CONSTRUCTION	D. SEMPLE 10/03/2019	

SCALE 0 50 100 150 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY	CHECKED BY: D. SEMPLE	
SUSSEX		

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

CS–16

SECTION AEC

SHEET NO. 65

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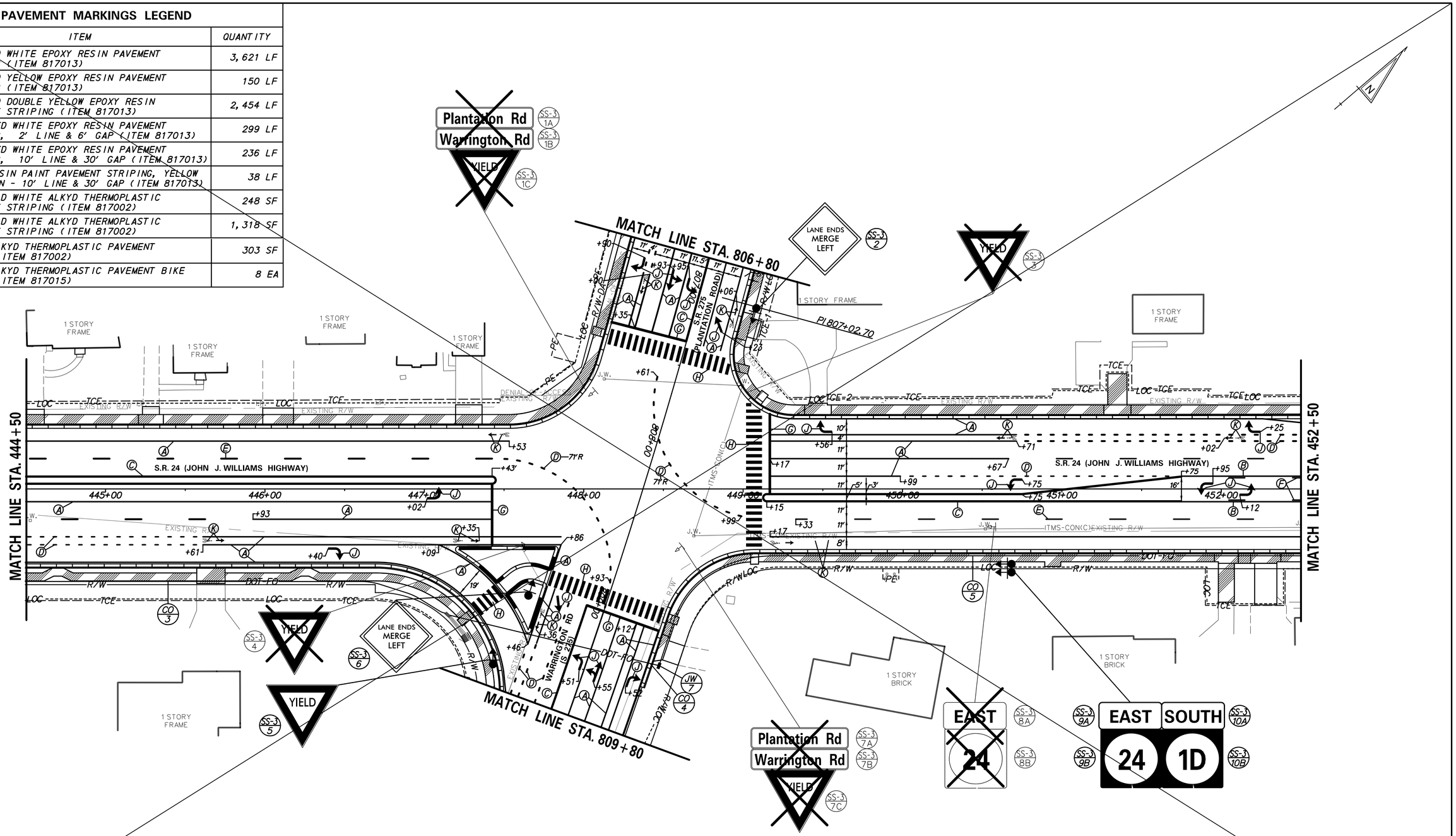
PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	3,621 LF
B	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	150 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	2,454 LF
D	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817013)	299 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817013)	236 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" BROKEN - 10' LINE & 30' GAP (ITEM 817013)	38 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	248 SF
H	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	1,318 SF
J	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 817002)	303 SF
K	WHITE ALKYD THERMOPLASTIC PAVEMENT BIKE SYMBOL (ITEM 817015)	8 EA



CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
3	-	-	-	-	SEE SS-02 FOR CONDUIT RUN INFORMATION
4	1	4"	135'	B	DELDOT FIBER OPTIC
5**	1	4"	590'	T	DELDOT FIBER OPTIC

** CONDUIT RUN CONTINUOUS ON ADJACENT SHEET

ADDENDA / REVISIONS

1 REVISED SIDEWALK WIDTH FROM 6' TO 5' FROM STA 449+10 TO STA 451+30 LT — D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

SIGNING, STRIPING AND CONDUIT PLAN

SS-03

SECTION	SHEET NO.
AEC	95

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PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	3,621 LF
B	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	150 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	2,454 LF
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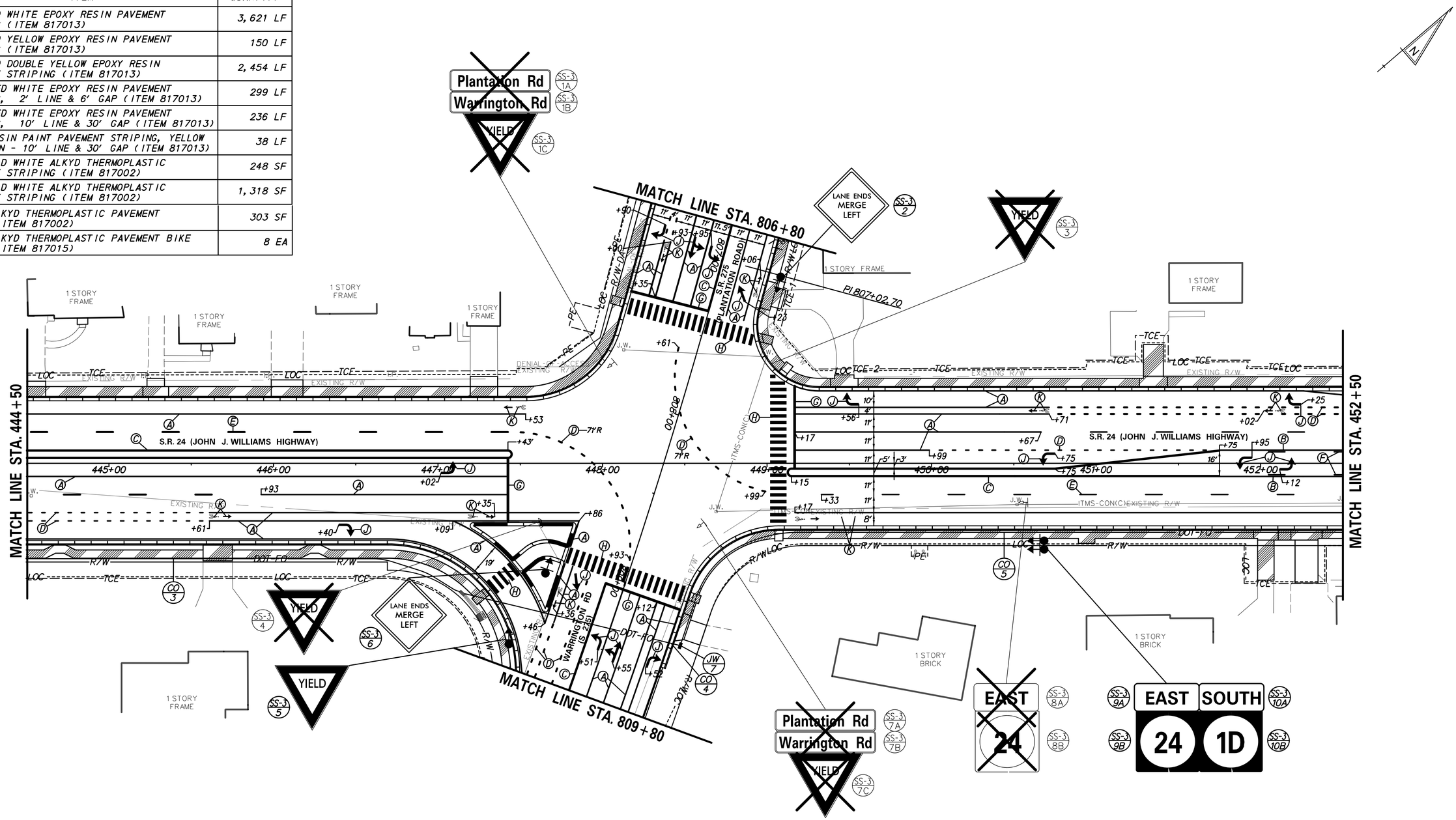
H	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	1,318 SF
J	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 817002)	303 SF
K	WHITE ALKYD THERMOPLASTIC PAVEMENT BIKE SYMBOL (ITEM 817015)	8 EA



CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
3	-	-	-	-	SEE SS-02 FOR CONDUIT RUN INFORMATION
4	1	4"	135'	B	DELDOT FIBER OPTIC
5**	1	4"	590'	T	DELDOT FIBER OPTIC

** CONDUIT RUN CONTINUOUS ON ADJACENT SHEET

ADDENDA / REVISIONS

1	REVISED SIDEWALK WIDTH FROM 6' TO 5' FROM STA 449+10 TO STA 451+30 LT	D. SEMPLE 10/03/2019

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

SIGNING, STRIPING AND CONDUIT PLAN

SS-03

SECTION	SHEET NO.
AEC	95A

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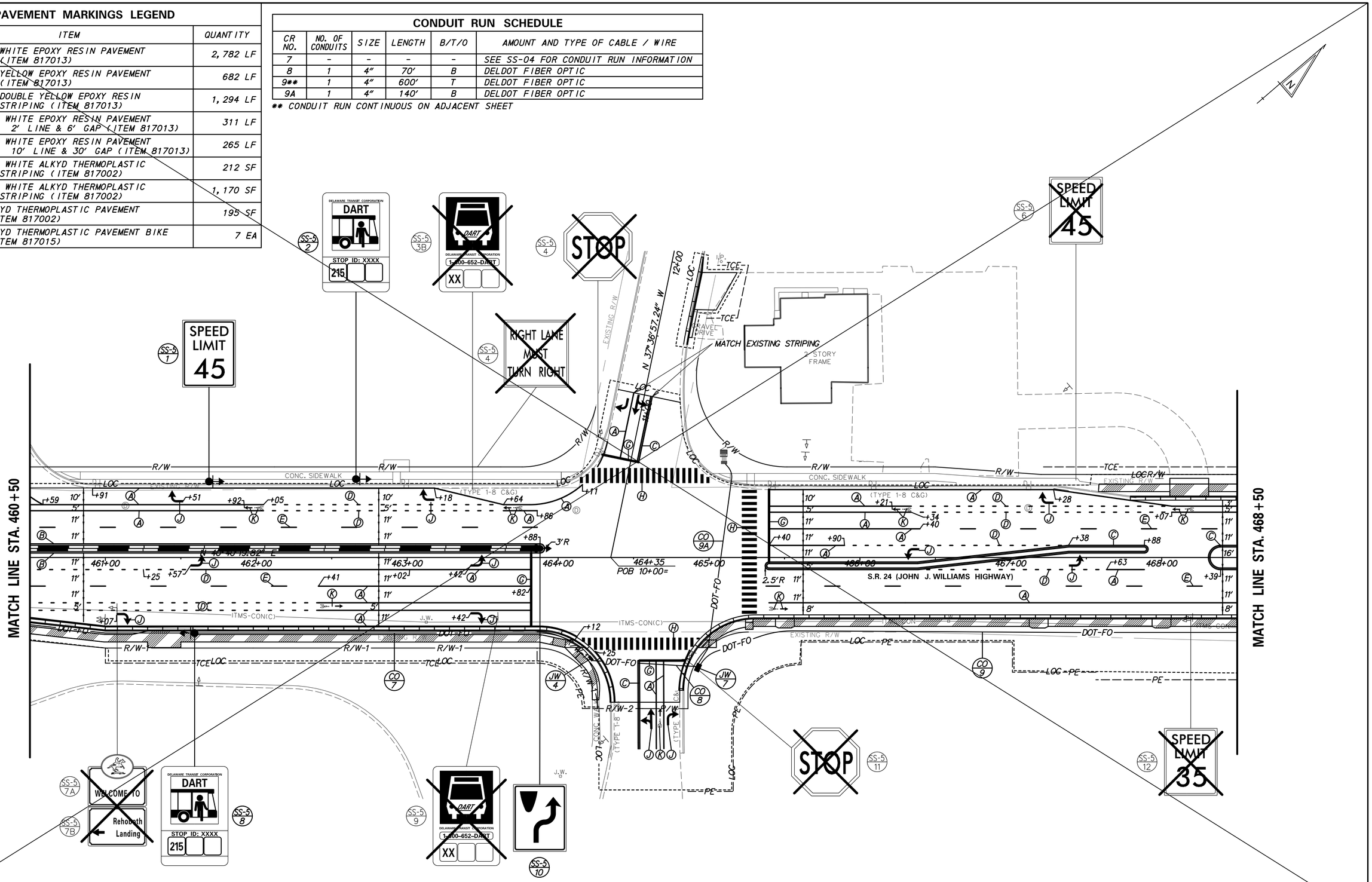
PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	2,782 LF
B	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	682 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	1,294 LF
D	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 817013)	311 LF
E	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817013)	265 LF
G	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	212 SF
H	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	1,170 SF
J	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 817002)	195 SF
K	WHITE ALKYD THERMOPLASTIC PAVEMENT BIKE SYMBOL (ITEM 817015)	7 EA

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
7	-	-	-	-	SEE SS-04 FOR CONDUIT RUN INFORMATION
8	1	4"	70'	B	DELDOT FIBER OPTIC
9**	1	4"	600'	T	DELDOT FIBER OPTIC
9A	1	4"	140'	B	DELDOT FIBER OPTIC

** CONDUIT RUN CONTINUOUS ON ADJACENT SHEET



ADDENDA / REVISIONS		
1 REVISED DRIVEWAY LAYOUTS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY	CHECKED BY: D. SEMPLE	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-05
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97

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PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817013)	2,782 LF
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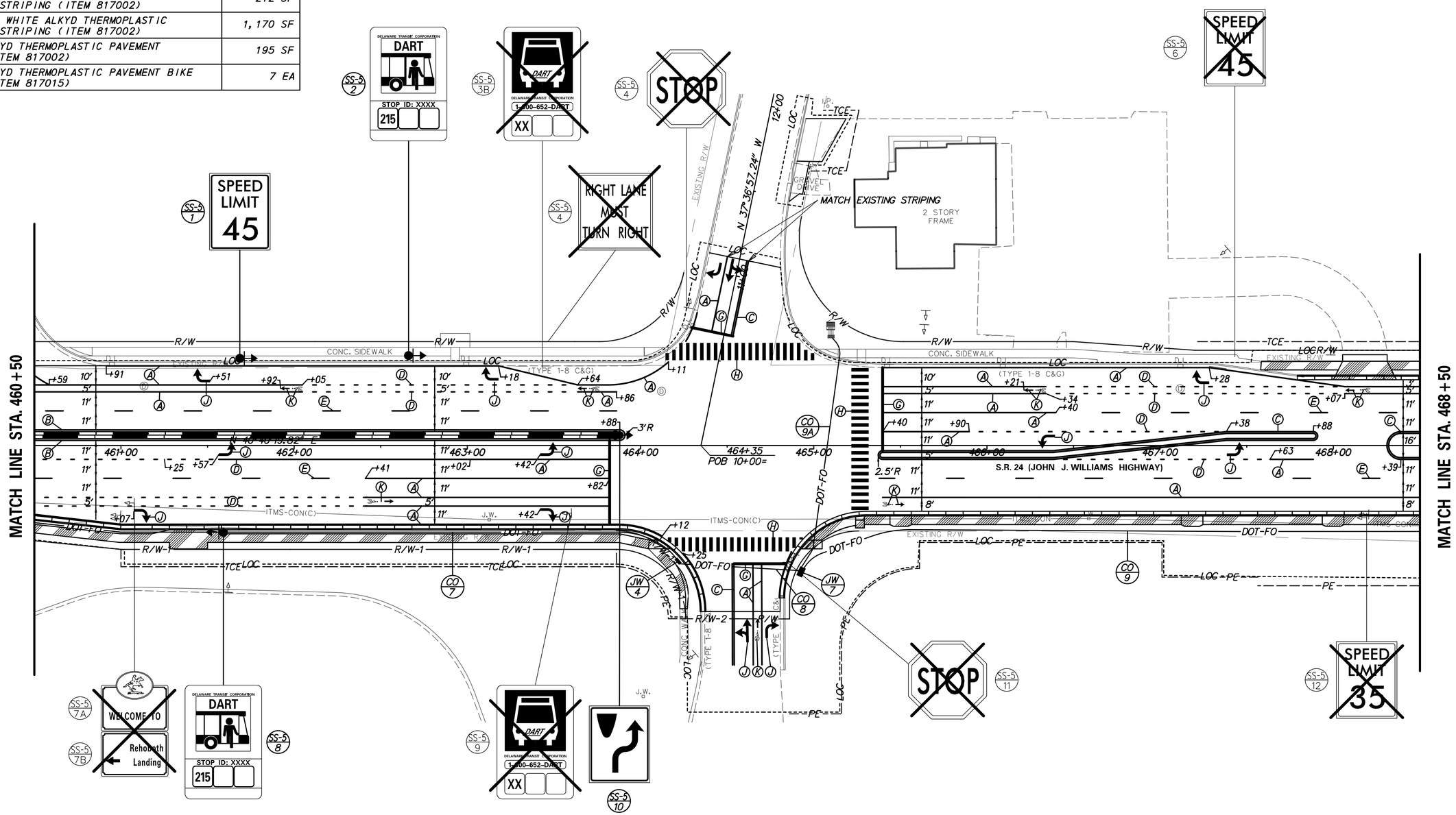
** CONDUIT RUN CONTINUOUS ON ADJACENT SHEET



ADDENDA / REVISIONS		
1 REVISED DRIVEWAY LAYOUTS	D. SEMPLE 10/03/2019	

SCALE 0 30 60 90 FEET

SR 24, MULBERRY KNOLL TO SR 1

CONTRACT	BRIDGE NO.	N/A
T200411209	DESIGNED BY: T. SINGLE	
COUNTY		
SUSSEX	CHECKED BY: D. SEMPLE	

SIGNING, STRIPING AND CONDUIT PLAN

SS-05
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