

GENERAL LOCATION OF CONTRACT

THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY
UNITS



CONSTRUCTION AND RIGHT-OF-WAY PLANS FOR: BR 3-588 ON SR 26 NINE FOOT ROAD OVER WHARTON'S BRANCH

CONTRACT NUMBER: T201407309
FEDERAL AID PROJECT NUMBER: EBRN-S026(10)

COUNTY: SUSSEX M.R. #: 26

DESIGN DESIGNATION			
MRD #: 26	ROAD NAME: NINE FOOT ROAD		
FUNCTIONAL CLASS: RURAL MAJOR COLLECTOR	D.H.V. PROJECTED: 420	YEAR: 2040	
TYPE OF CONSTRUCTION: BRIDGE REPLACEMENT	DESIGN SPEED: 55 M.P.H.		
A.A.D.T. CURRENT: 5444	YEAR: 2012	TRUCKS: 7 %	
A.A.D.T. PROJECTED: 7000	YEAR: 2040	DIRECTION OF DISTRIBUTION: 60 %	
APPROVED DESIGN EXCEPTIONS			
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE
ADDENDA / REVISIONS			
ASSOCIATED CONTRACTS			
CONTRACT NO.	CONTRACT NAME		
711	DAGSBORO - SHAFT OX		
68-10-009	RT. 26, DAGSBORO TO SHAFT OX CORNER		

APPROVED FOR ADVERTISEMENT

Christ B. McCaughey
DIRECTOR OF TRANSPORTATION SOLUTIONS 02/28/2019
DATE

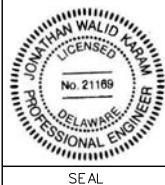
PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
BRIDGE DESIGN

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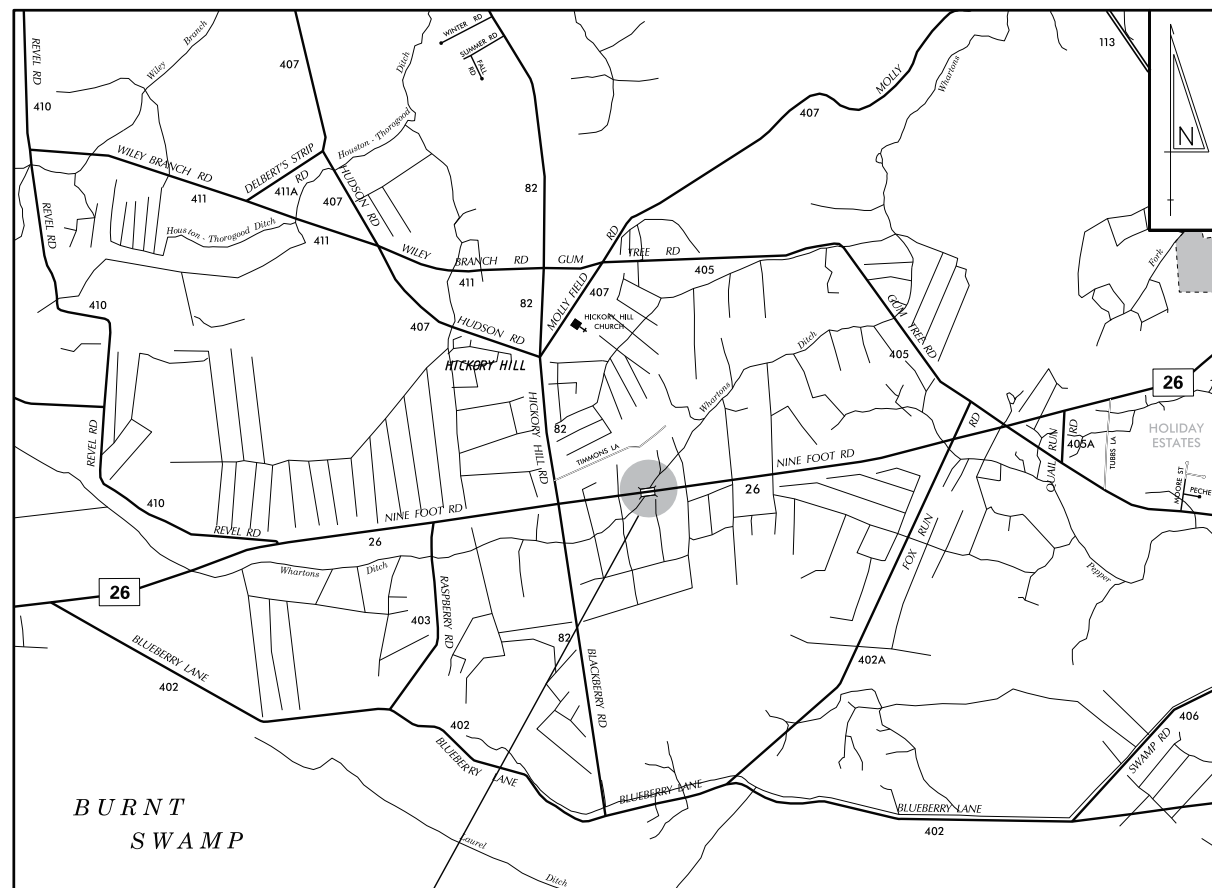
2/21/19

DATE

THIS SEAL APPLIES TO ALL SHEETS
BEARING THE "BR" SECTION DESIGNATION.



SEAL



BR 3-588

DISCLAIMER:
THIS PLAN SET IS INTENDED TO BE A GUIDELINE FOR PREPARING A SET OF PLANS INVOLVING THE CONSTRUCTION OF A PRECAST CONCRETE BOX CULVERT. IT IS NOT INTENDED TO BE A SET OF STANDARDS. THE DESIGN ENGINEER IS STILL RESPONSIBLE FOR PERFORMING THE DESIGN AND NECESSARY DOCUMENTATION USING HIS/HER ENGINEERING JUDGEMENT AND EXPERTISE.

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-WHEN POSSIBLE, THE BRIDGES AND STRUCTURES SECTION PREFERS TO COMBINE THE 'INDEX OF SHEETS' AND 'ADDENDA AND REVISIONS' SHEETS.
 -IN ADDITION, IT IS PREFERRED TO LEAVE THE 'SECTION' BOX BLANK, AND NOT INCLUDE BLANK ADDENDA AND REVISIONS BLOCKS.
 -FUTURE EXAMPLE PLANS WILL REFLECT THESE PREFERENCES.

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ADDENDA / REVISIONS

NOT TO SCALE

**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

INDEX OF SHEETS
SECTION
BR
SHEET NO.
2

ADDENDUM PREPARED BY
 DELDOT - TRANSPORTATION SOLUTIONS
 XXXXXXXXXXXXXXXXXXXX

THIS SEAL APPLIES TO THE FOLLOWING SHEETS
 CHANGED UNDER ADDENDUM #X: _____ DATE _____ SEAL _____
 XX, XX-XX, XX

REVISION PREPARED BY
 DELDOT - TRANSPORTATION SOLUTIONS
 XXXXXXXXXXXXXXXXXXXX

THIS SEAL APPLIES TO THE FOLLOWING SHEETS
 CHANGED UNDER REVISION #X: _____ DATE _____ SEAL _____
 XX, XX-XX, XX

-WHEN POSSIBLE, THE BRIDGES AND STRUCTURES SECTION PREFERS TO COMBINE THE 'INDEX OF SHEETS' AND 'ADDENDA AND REVISIONS' SHEETS.
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ADDENDA / REVISIONS			BR 3-588 ON SR 26 NINE FOOT ROAD OVER WHARTON'S BRANCH	CONTRACT	BRIDGE NO.	3-588 DESIGNED BY: JWK CHECKED BY: NED	ADDENDA AND REVISIONS	SECTION
				T201407309				BR
				COUNTY				SHEET NO.
				SUSSEX				3

EXISTING SYMBOLS

DRAINAGE	
	DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
	DRAINAGE INLET
	DRAINAGE JUNCTION BOX
	DRAINAGE MANHOLE
	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE

MANMADE ROADSIDE FEATURES	
	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
	CURB
	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
	LAMP AND POST - RESIDENTIAL
	MAILBOX
	PARKING METER AND POST
	PAVEMENT - FLEXIBLE
	PAVEMENT - RIGID
	PILE - BRIDGE
	PILLAR OR MISCELLANEOUS POST
	TRAFFIC SIGN AND POST
	WALL - BRICK OR BLOCK
	WALL - STONE

NATURAL ROADSIDE FEATURES	
	GRASS LAWN
	HEDGEROW OR THICKET
	MARSH BOUNDARY LINE
	TREE - CONIFEROUS
	TREE - DECIDUOUS
	TREE STUMP
	SHRUBBERY
	DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

RIGHT-OF-WAY SYMBOLS	
	PROPERTY MARKER - CONCRETE MON.
	PROPERTY MARKER - IRON PIPE
	HISTORIC RIGHT-OF-WAY BASELINE
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING DENIAL OF ACCESS
	EXISTING R/W & DENIAL OF ACCESS

SURVEY CONTROL & MONUMENTATION	
	SURVEY BENCHMARK LOCATION
	SURVEY TIE POINT LOCATION
	SURVEY TRAVERSE POINT
	POINT OF CURVATURE OR TANGENCY
	POINT OF INTERSECTING TANGENTS

UTILITY	
	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
	CABLE TV DISTRIBUTION BOX
	ELECTRIC MANHOLE
	ELECTRIC METER
	ELECTRIC TRANSFORMER
	POLE MOUNTED LUMINAIRE
	GAS MANHOLE
	GAS METER
	GAS VALVE
	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
	SANITARY SEWER MANHOLE
	SANITARY SEWER VALVE
	SANITARY SEWER VENT OR CLEANOUT
	SEPTIC DRAIN FIELD
	TELEPHONE BOOTH
	TELEPHONE MANHOLE
	TELEPHONE TEST POINT
	TRAFFIC - CONDUIT JUNCTION WELL
	TRAFFIC - LIGHT POLE AND BASE
	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
	TRAFFIC - SIGNAL POLE AND BASE
	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
	WATER - FIRE HYDRANT
	WATER METER
	WATER VALVE
	WELL HEAD
	MANHOLE - UNDETERMINED OWNER

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
	BRICK PATTERNED SURFACE
	BUTT JOINT
	CONSTRUCTION BASELINE
	CONSTRUCTION SAFETY FENCE
	CURB, TYPE 1 & TYPE 3
	CURB, TYPE 2
	CURB & GUTTER, TYPE 1
	CURB & GUTTER, TYPE 2
	CURB & GUTTER, TYPE 3
	CURB & GUTTER, TYPE 4
	CLEAR ZONE
	DRAINAGE INLET
	DITCH
	FENCE - METAL
	FENCE - WOOD
	GUARDRAIL, TYPE 1
	GUARDRAIL, TYPE 2
	GUARDRAIL, TYPE 3
	GUARDRAIL END ANCHORAGE
	GUARDRAIL END TREATMENT, TYPE 1
	GUARDRAIL END TREATMENT, TYPE 2
	GUARDRAIL END TREATMENT, TYPE 3
	HORIZONTAL CLEARANCE
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
	LIMIT OF CONSTRUCTION
	MAILBOX
	MANHOLE
	PAVEMENT PATCH
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK - 4"
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)
	UNDERDRAIN
	UNDERDRAIN OUTLET

RIGHT-OF-WAY SYMBOLS	
	PROPOSED RIGHT-OF-WAY MONUMENT
	PROPOSED DENIAL OF ACCESS
	PROPOSED PERMANENT EASEMENT
	PROPOSED RIGHT-OF-WAY
	PROPOSED R/W & DENIAL OF ACCESS
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY BASELINE

PROPOSED SYMBOLS

IDENTIFIERS	
	ADJUST BY CONTRACTOR
	ADJUST BY OTHERS
	CONCRETE SAFETY BARRIER
	CURB OR CURB & GUTTER
	CONVERT TO JUNCTION BOX
	CONVERT TO DRAINAGE MANHOLE
	CURB OPENING
	CURB RAMP / TYPE
	CURB RAMP / TYPE - WITHOUT SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
	CONSTRUCTION SAFETY FENCE
	DRAINAGE INLET
	DO NOT DISTURB
	ENERGY DISSIPATOR
	FENCE
	FLARED END SECTION
	FILL WITH FLOWABLE FILL
	FILTRATION STRUCTURE
	GUARDRAIL
	JUNCTION BOX
	MANHOLE
	MONUMENT - RIGHT-OF-WAY
	PIPE
	RELOCATE BY CONTRACTOR
	RELOCATE BY OTHERS
	REMOVE BY CONTRACTOR
	REMOVE BY OTHERS
	UNDERDRAIN / LENGTH
	UNDERDRAIN OUTLET PIPE

LANDSCAPING	
	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

TRAFFIC	
	ITMS CONDUIT
	SIGNAL CONDUIT
	CONDUIT JUNCTION WELL
	LUMINAIRE
	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

PAVEMENT SECTION(S)	
	2" SUPERPAVE TYPE C, PG 64-22 3" SUPERPAVE TYPE B, PG 64-22 4" SUPERPAVE TYPE BCBC, PG 64-22 8" GRADED AGGREGATE BASE COURSE, TYPE B
	2" SUPERPAVE TYPE C, PG 64-22 3" SUPERPAVE TYPE B, PG 64-22 VARIABLE DEPTH SUPERPAVE TYPE BCBC, PG 64-22 (REFER TO 'PROJECT NOTES' FOR GUIDANCE)
	2" SUPERPAVE, TYPE C, PG 64-22 8" GRADED AGGREGATE BASE COURSE, TYPE B

EROSION & SEDIMENT CONTROL	
	COMPOST FILTER LOG
	COMPOST FILTER LOG / LENGTH
	DEWATERING BAG
	DEWATERING BASIN
	EARTH DIKE
	INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
	PORTABLE SEDIMENT TANK
	SANDBAG DIKE
	SANDBAG DIVERSION
	STONE CHECK DAM
	STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE / LENGTH
	SILT FENCE
	SILT FENCE - REINFORCED
	SUMP PIT
	SEDIMENT TRAP / NUMBER
	SEDIMENT TRAP
	SEDIMENT TRAP WITH INLET AS OUTLET
	SEDIMENT TRAP PIPE OUTLET
	STILLING WELL
	TEMPORARY SWALE
	TEMPORARY SLOPE DRAIN
	TURBIDITY CURTAIN / LENGTH
	TURBIDITY CURTAIN

ADDENDA / REVISIONS

NOT TO SCALE

BR 3-588 ON SR 26
NINE FOOT ROAD
OVER WHARTON'S BRANCH

CONTRACT
T201407309
COUNTY
SUSSEX

BRIDGE NO.
3-588
DESIGNED BY: JWK
CHECKED BY: NED

LEGEND

SECTION
BR
SHEET NO.
4

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2014, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

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

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

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

(X)	CROSS SECTIONS
(X)	RIGHT-OF-WAY PLANS (INCLUDED IN PLAN SET)

PROJECT NOTES

SECTION 100

4. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

SECTION 200

5. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - TWO EXISTING CORRUGATED METAL PIPE ARCHES (72" x 104") IN THEIR ENTIRETY
 - EXISTING SACKED RIPRAP HEADWALL AND WINGWALL
 - EXISTING 15" CORRUGATED METAL DRAINAGE PIPE
 - EXISTING GUARDRAIL

SECTION 600

6. PORTLAND CEMENT CONCRETE:
 USE PORTLAND CEMENT CONCRETE FOR CAST-IN-PLACE ELEMENTS AS FOLLOWS:
 (f'c = 28-DAY COMPRESSIVE STRENGTH)
 CLASS A WITH 2% HIGH EARLY STRENGTH ADMIXTURE FOR FRAME CLOSURE POUR (f'c = 4.5 ksi)
 - 2% HIGH EARLY STRENGTH ADMIXTURE WILL BE INCIDENTAL TO ITEM 610000.

USE PORTLAND CEMENT CONCRETE FOR PRECAST ELEMENTS AS FOLLOWS:
 (f'c = 28-DAY COMPRESSIVE STRENGTH)
 PRECAST - WINGWALLS, FRAME, PARAPET, HEADWALL, MOMENT SLAB (f'c = 5 ksi)
 -CHAMFER ALL EXPOSED EDGES 3/4" x 3/4" UNLESS OTHERWISE NOTED.

7. BAR REINFORCEMENT:

- REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60.
- REINFORCING STEEL SHALL HAVE A 3" CLEAR COVER IF CAST AGAINST EARTH OR A 2" CLEAR COVER ELSEWHERE, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL REINFORCING STEEL SHALL BE PROTECTED WITH FUSION BONDED EPOXY. EPOXY COATED REINFORCING STEEL SHALL CONFORM TO ASTM A775.
- ANY FIELD CUTTING OR FIELD BENDING MUST BE APPROVED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO THE BAR REINFORCEMENT ITEM.
- GALVANIZED REINFORCING STEEL MAY BE SUBSTITUTED FOR EPOXY-COATED REINFORCING STEEL AT NO ADDITIONAL COST TO DELDOT WITH APPROVAL OF THE BRIDGE DESIGN ENGINEER.
- WELDING OF REINFORCEMENT DURING FABRICATION OR CONSTRUCTION IS NOT PERMITTED UNLESS SPECIFIED.

SECTION 700

8. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT. ALL HOT-MIX AND CONCRETE SAWCUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

SECTION 800

9. MAINTENANCE OF TRAFFIC SHALL BE AS PER DETOUR PLAN. THE DETOUR SHALL REMAIN IN EFFECT UNTIL THE FINAL BITUMINOUS CONCRETE PAVEMENT IS PLACED. ALL MOT ITEMS WITH THE EXCEPTION OF PORTABLE CHANGEABLE MESSAGE SIGNS (ITEM *803001) AND FLAGGERS (ITEM *811009) WILL BE INCLUDED IN ITEM *801500 - MAINTENANCE OF TRAFFIC, ALL INCLUSIVE.

SECTION 900

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

MISCELLANEOUS

11. DESIGN SPECIFICATIONS:

- (A) DELDOT BRIDGE DESIGN MANUAL, 2017 EDITION
- (B) AASHTO LRFD BRIDGE SPECIFICATIONS, 2014, 7TH EDITION, CUSTOMARY U.S. UNITS INCLUDING 2015 AND 2016 INTERIMS.
- (C) PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS, AUGUST 2016.

12. LOADING:

-DESIGN LIVE LOADS INCLUDE HL-93 LOADING.

13. HYDRAULIC DATA:

DRAINAGE AREA:	2.82 sq. miles	DESIGN FREQ.: 50 YEARS
DESIGN DISCHARGE:	384 cfs	100-YEAR DISCHARGE: 465 cfs
EXISTING (DESIGN STORM) WSE:	37.32 ft	PROPOSED (DESIGN STORM) WSE: 36.71 ft
EXISTING (DESIGN STORM) VELOCITY:	4.63 fps	PROPOSED (DESIGN STORM) VELOCITY: 4.05 fps
EXISTING 100-YEAR WSE:	38.49 ft	PROPOSED 100-YEAR WSE: 37.52 ft
EXISTING 100-YEAR VELOCITY:	5.60 fps	PROPOSED 100-YEAR VELOCITY: 4.49 fps
EXISTING WATERWAY OPENING:	81.00 sq. ft	PROPOSED WATERWAY OPENING: 108 sq. ft

14. SCOUR ANALYSIS:

SCOUR DESIGN FREQUENCY:	OVERTOPPING
SCOUR DESIGN FLOOD DISCHARGE:	900 cfs
SCOUR DESIGN FLOOD VELOCITY:	8.33 fps (AT BRIDGE OUTLET)
WATER SURFACE ELEVATION:	40.74 ft (IMMEDIATELY UPSTREAM OF BRIDGE)

SCOUR COUNTERMEASURES HAVE BEEN DESIGNED FOR THE SCOUR DESIGN FLOOD IN ACCORDANCE WITH HEC 23 - BRIDGE SCOUR AND STREAM INSTABILITY COUNTERMEASURES AND HEC 14 - HYDRAULIC DESIGN OF ENERGY DISSIPATORS FOR CULVERTS AND CHANNELS.

15. UTILITIES:

SEE UTILITY STATEMENT FOR FURTHER INFORMATION ON UTILITY COORDINATION.

16. ENVIRONMENTAL COMPLIANCE:

REFER TO THE ENVIRONMENTAL COMPLIANCE PLAN FOR RESTRICTIONS AND ADDITIONAL GUIDANCE THAT MAY BE ASSOCIATED WITH THIS PROJECT.

17. THE DETOUR SHOWN IN THESE PLANS IS SUITABLE FOR CAR, TRUCK, AND SMALL FARM VEHICLE TRAFFIC. PRIOR TO AND AT THE COMPLETION OF THE BRIDGE REPLACEMENT, ALL OF THE ROADS THAT COMPRISE THE DETOUR ROUTES SHALL BE EVALUATED FOR THEIR CONDITION BY THE ENGINEER. ANY NOTED WEAR WHICH MAY BE CAUSED BY THE DETOUR TRAFFIC, SHALL BE REPAIRED AT THE ENGINEER'S DISCRETION. PATCHING ITEMS FOR TYPE 'B' AND 'C' SUPERPAVE (ITEMS *401029 AND *401030, RESPECTIVELY), AND BITUMINOUS CONCRETE PATCHING (ITEM 402000) HAVE BEEN INCLUDED IN THIS CONTRACT FOR THAT PURPOSE. ANY SAWCUTTING FOR PATCHING THE DETOUR, WILL BE INCIDENTAL TO ITEMS *401029 AND *401030.

18. CONTINGENT QUANTITIES:

THESE CONTRACT DRAWINGS HAVE BEEN PREPARED BASED ON ORIGINAL CONTRACT PLANS AND FIELD INSPECTION NOTES. ACTUAL CONDITIONS MAY REQUIRE MODIFICATION IN CONSTRUCTION DETAILS AND WORK QUANTITIES. ALL DIMENSIONS AND DETAILS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING ANY MATERIALS. THE ESTIMATED QUANTITIES FOR THE FOLLOWING PAY ITEMS INCLUDE CONTINGENCY FACTORS TO ACCOUNT FOR THE ANTICIPATED VARIATIONS IN THE ACTUAL QUANTITY.

- ITEM *211001, REMOVAL OF P.C.C. PAVEMENT, CURB AND SIDEWALK (10% CONTINGENCY ADDED)

19. ROADWAY CORE RESULTS INDICATE APPROXIMATELY 6-INCH EXISTING 13-FOOT WIDE P.C.C. PAVEMENT THROUGH THE ENTIRE PROJECT LIMITS. REMOVE THE EXISTING P.C.C. PAVEMENT FROM STA. 3+00 TO STA. 4+00. FOR STA. 1+25.00 TO STA. 3+00.00 AND STA. 4+00.00 TO STA. 5+75.00, USE THE EXISTING P.C.C. PAVEMENT WITHIN THESE LIMITS IN LIEU OF GRADED AGGREGATE BASE COURSE AND PLACE VARIABLE THICKNESS OF BCBC BETWEEN BOTTOM OF SUPERPAVE TYPE B AND TOP OF EXISTING P.C.C. PAVEMENT. FOR AREAS OUTSIDE THE EXISTING P.C.C. PAVEMENT LIMITS, USE FULL PAVEMENT BOX AS SHOWN ON LEGEND SHEET.

ADDENDA / REVISIONS

NOT TO SCALE

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CONTRACT

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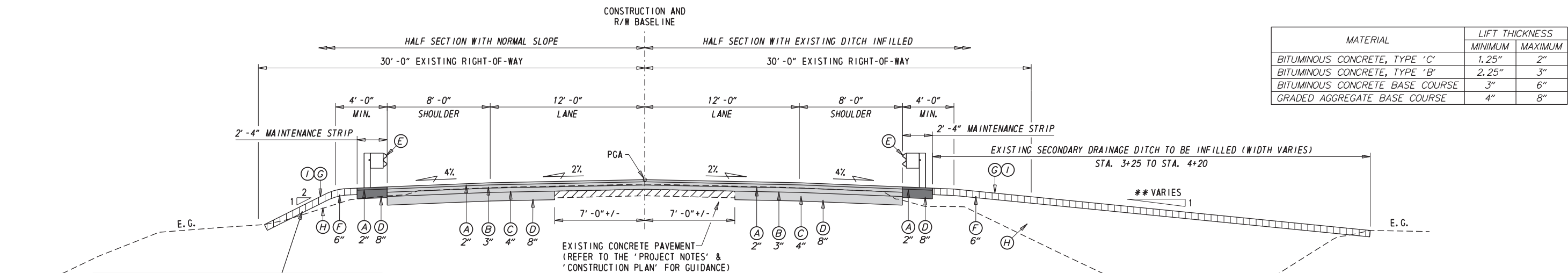
NOTES

SECTION

BR

SHEET NO.

5



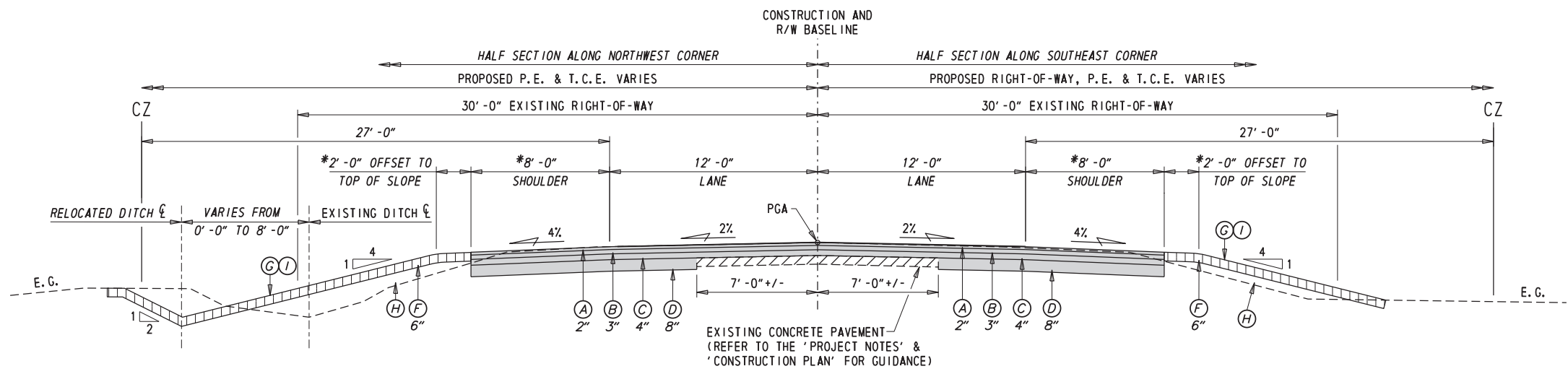
MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	3"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

NOTE:
THE PROPOSED SLOPE BEHIND THE GUARDRAIL WILL TRANSITION FROM 2:1 TO 3:1 BEHIND THE GUARDRAIL END TREATMENT, AND TRANSITION TO 4:1 AT END OF THE GUARDRAIL END TREATMENT AND BEYOND THAT POINT TO END OF PROPOSED SLOPE WORK.

TYPICAL PROPOSED ROADWAY SECTION WITH GUARDRAIL

NOTES:
* THE WIDTHS SHOWN FOR THE SHOULDER AND OFFSET TO TOP OF SLOPE IN THIS SECTION ARE MAXIMUM WIDTH AND SHALL VARY DURING THE TRANSITIONS TO MATCH EXISTING PAVEMENT WIDTH
** REFER TO THE CROSS SECTIONS FOR INFORMATION ON SIDE SLOPES.

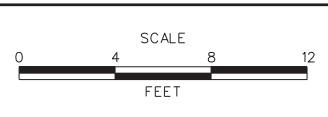
LEGEND	
(A)	ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
(B)	ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
(C)	ITEM 401021 - SUPERPAVE BCBC, PG 64-22
(D)	ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B
(E)	ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
(F)	ITEM 908004 - TOPSOIL, 6" DEPTH (S.Y.)
(G)	ITEM 908019 - STREAMBANK SEED MIX
(H)	ITEM 209006 - BORROW, TYPE F
(I)	ITEM 908020 - EROSION CONTROL BLANKET MULCH



TYPICAL PROPOSED ROADWAY SECTION WITHOUT GUARDRAIL

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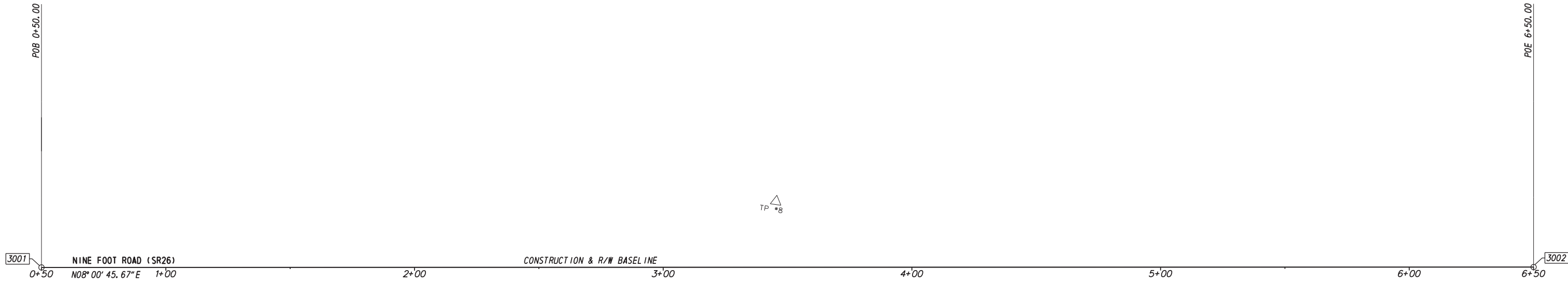
ADDENDA / REVISIONS



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NINE FOOT ROAD
OVER WHARTON'S BRANCH**

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TYPICAL SECTIONS
SECTION
BR
SHEET NO.
6



CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
3001	0+50.00	0.00	193768.5098	689339.5799
3002	6+50.00	0.00	193852.1452	689933.7222

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
TP-5	3+43.54	23.98	193785.6791	689633.5921	39.16
TP-8	3+45.38	-26.46	193835.8806	689628.3841	39.16

DATUM REFERENCE:
 HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).
 VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

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ADDENDA / REVISIONS



**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

**HORIZONTAL AND
 VERTICAL CONTROL**

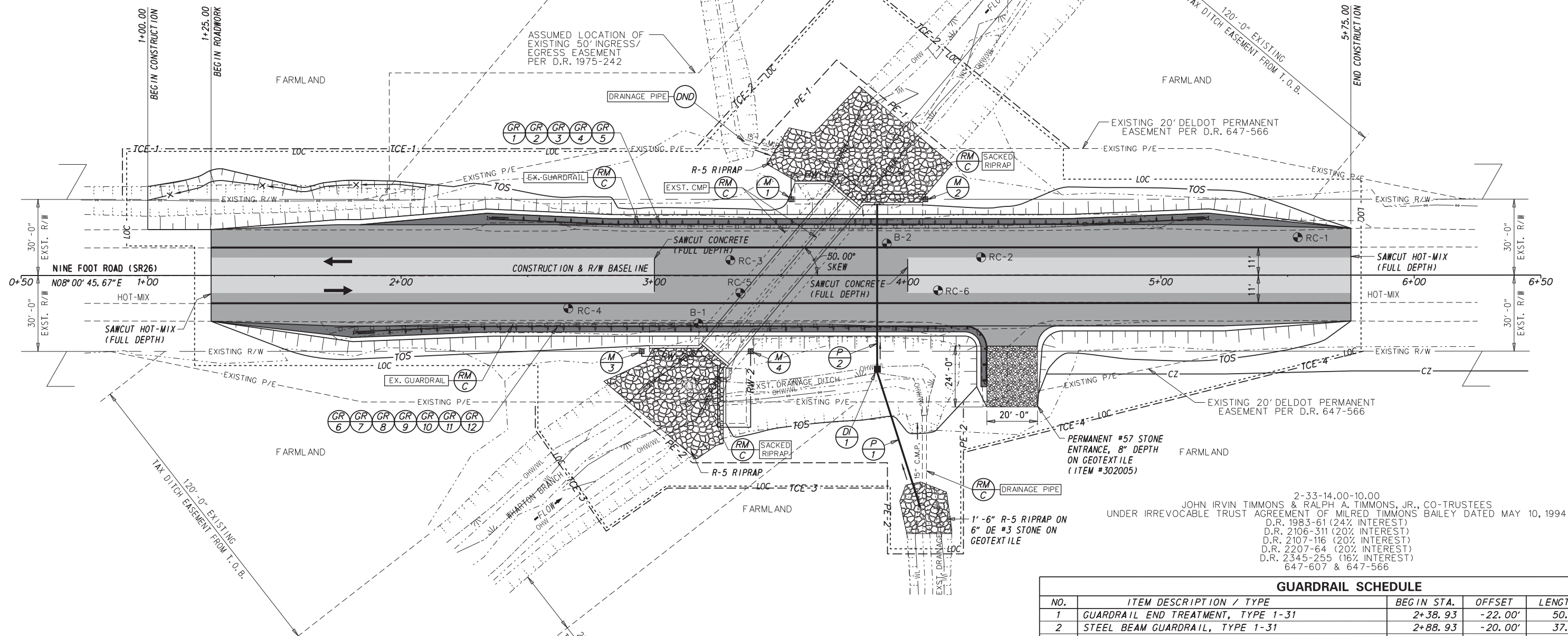
SECTION
BR
SHEET NO.
7

RIGHT-OF-WAY MONUMENT SCHEDULE					
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
M-1	CAPPED REBAR WITH FLEXIBLE DELINEATOR	3+54.00	-30.00	193840.5922	689636.4302
M-2	CAPPED REBAR WITH FLEXIBLE DELINEATOR	4+07.00	-30.00	193847.9800	689688.9128
M-3	CAPPED REBAR WITH FLEXIBLE DELINEATOR	2+95.00	30.00	193772.9539	689586.3700
M-4	CAPPED REBAR WITH FLEXIBLE DELINEATOR	3+38.00	30.00	193778.9477	689628.9499

DITCH RELOCATION SCHEDULE						
NO.	STATION	OFFSET	BOT. ELV.	WIDTH	FORE SLOPE	BACK SLOPE
1	1+10.00	-32.00'	34.75	V-DITCH	4:1	2:1
2	1+50.00	-34.80'	35.92	V-DITCH	4:1 TO 3:1	2:1
3	1+80.00	-35.80'	36.36	V-DITCH	2:1	2:1

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
RC-1	5+54.00	-14.97'	WEST BOUND = 3.5" HMA
RC-2	4+29.00	-7.09'	WEST BOUND = 10" HMA
RC-3	3+30.00	-6.00'	WEST BOUND = 10" HMA, 6" PCC
RC-4	4+66.00	13.02'	EAST BOUND = 3.5" HMA
RC-5	3+34.00	7.00'	EAST BOUND = 11" HMA, 6" PCC
RC-6	4+12.00	6.00'	EAST BOUND = 10.5" HMA, 7" PCC

1-L
 2-33-14.00-10.00
 JOHN IRVIN TIMMONS & RALPH A. TIMMONS, JR., CO-TRUSTEES
 UNDER IRREVOCABLE TRUST AGREEMENT OF MILRED TIMMONS BAILEY DATED MAY 10, 1994
 D.R. 1983-61 (24% INTEREST)
 D.R. 2106-311 (20% INTEREST)
 D.R. 2107-116 (20% INTEREST)
 D.R. 2207-64 (20% INTEREST)
 D.R. 2345-255 (16% INTEREST)
 647-607 & 647-566



DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
P-1	21" RCP	III	56.00	0.89%	32.00	31.50
P-2	21" RCP	III	64.00	0.78%	31.50	31.00

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
DI-1	3+87.95	37.00	48" x 30"	1	39.15	31.50

SOIL BORING SCHEDULE					
NO.	STATION	OFFSET	ELEVATION	NORTHING	EASTING
B-1	3+17.29	18.97	39.87	193786.9810	689606.9090
B-2	3+91.79	-12.52	40.39	193828.5470	689676.2840

GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
1	GUARDRAIL END TREATMENT, TYPE 1-31	2+38.93	-22.00'	50.00
2	STEEL BEAM GUARDRAIL, TYPE 1-31	2+88.93	-20.00'	37.50
3	GUARDRAIL OVER CULVERT, TYPE 3-31	3+26.43	-20.00'	75.00
4	STEEL BEAM GUARDRAIL, TYPE 1-31	4+01.43	-20.00'	62.50
5	GUARDRAIL END TREATMENT, TYPE 1-31	4+63.93	-20.00'	50.00
6	GUARDRAIL END TREATMENT, TYPE 1-31	1+86.06	22.00'	50.00
7	STEEL BEAM GUARDRAIL, TYPE 1-31	2+36.06	20.00'	62.50
8	GUARDRAIL OVER CULVERT, TYPE 3-31	2+98.56	20.00'	75.00
9	STEEL BEAM GUARDRAIL, TYPE 1-31	3+73.56	20.00'	12.50
10	W-BEAM, TYPE 1-27 TO TYPE 1-31 TRANSITION SECTION *	3+86.06	20.00'	25.00
11	CURVED GUARDRAIL SECTION, TYPE 27 (8.5' R)	4+11.06	20.00'	31.67
12	ENTRANCE SPECIAL END ANCHORAGE, TYPE 27	4+31.26	35.27'	6.25

* FOR GUARDRAIL SCHEDULE'S IDENTIFIER 10, THE TRANSITION FROM TYPE 1-27 TO TYPE 1-31 WILL BE PAID FOR UNDER ITEM #720021

ADDENDA / REVISIONS



**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

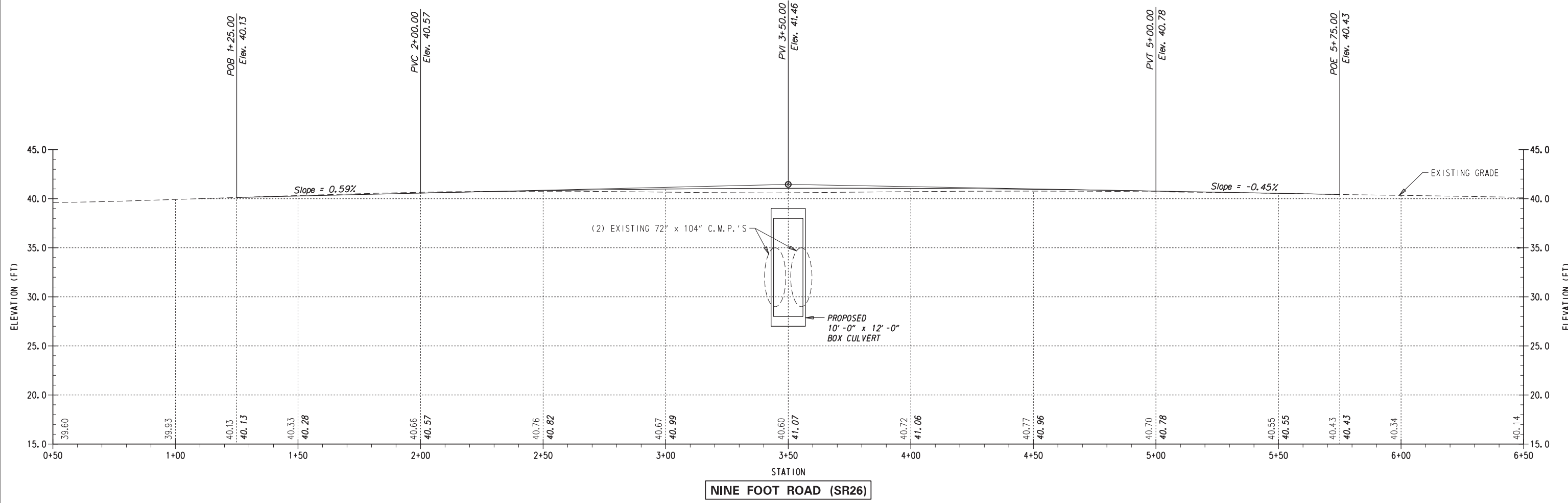
CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
SUSSEX	CHECKED BY:	NED

CONSTRUCTION PLAN

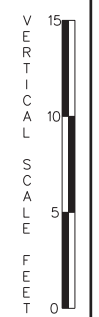
SECTION	BR
SHEET NO.	8

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Type = Symmetric Parabola
 Direction = Crest
 L = 300.00'
 G1 = 0.59%
 G2 = -0.45%
 e = -0.39'
 K = 286.71
 M = -0.35
 SSD = 495.00'

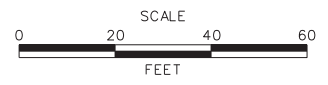


NINE FOOT ROAD (SR26)



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ADDENDA / REVISIONS

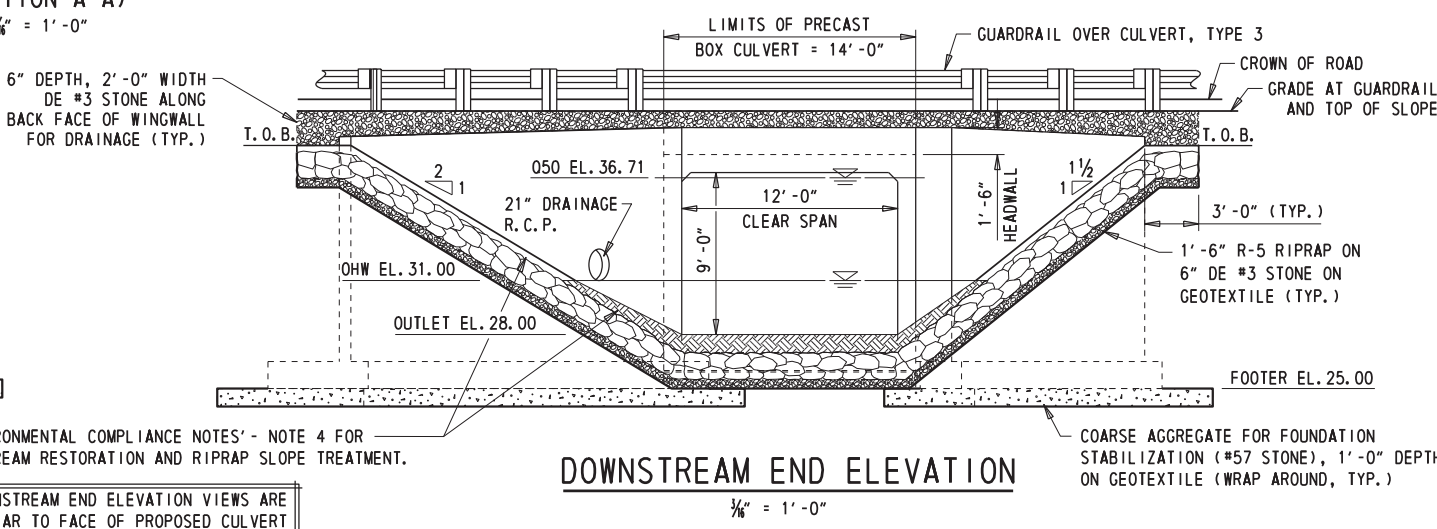
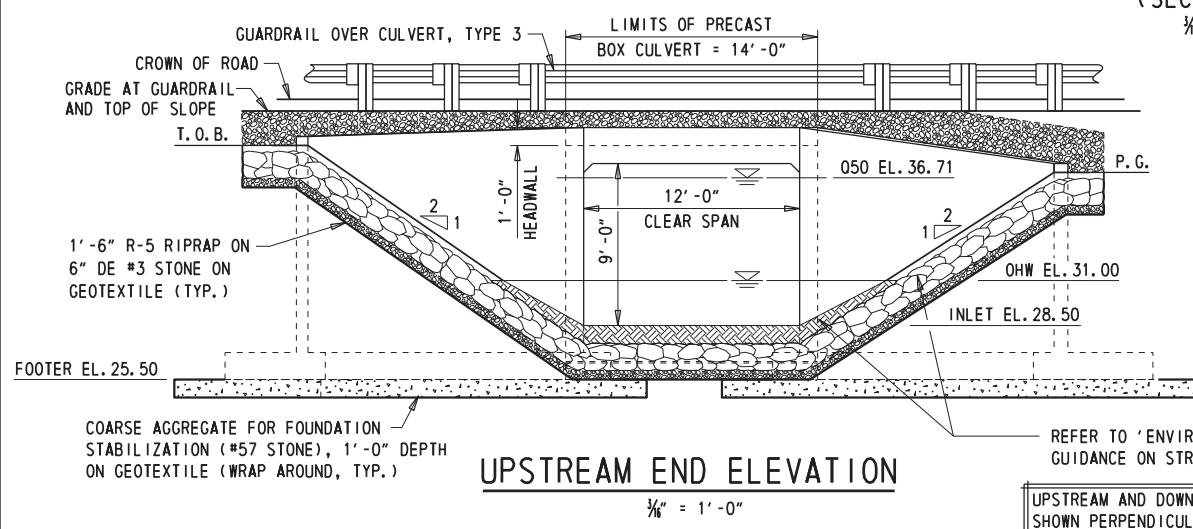
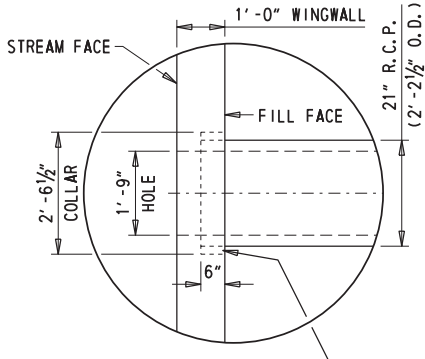
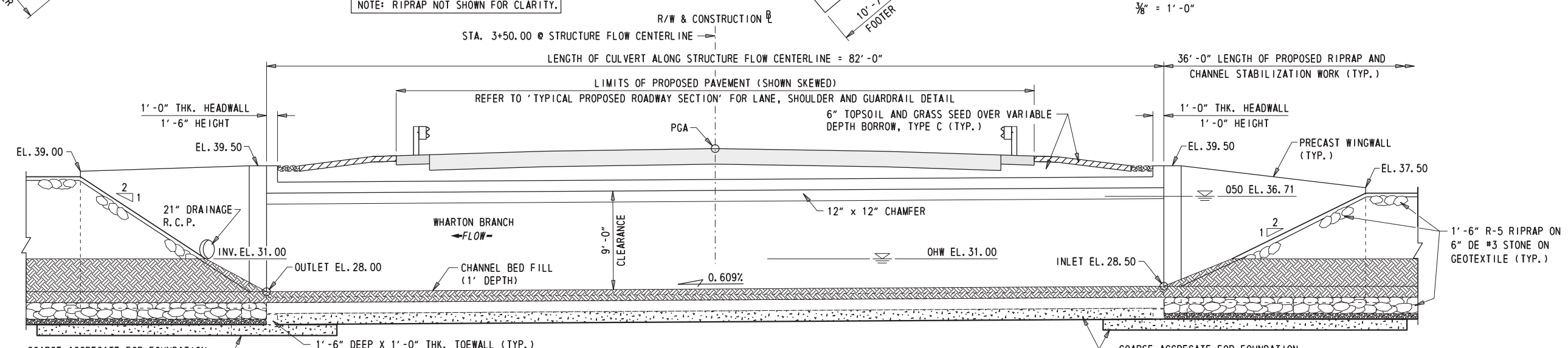
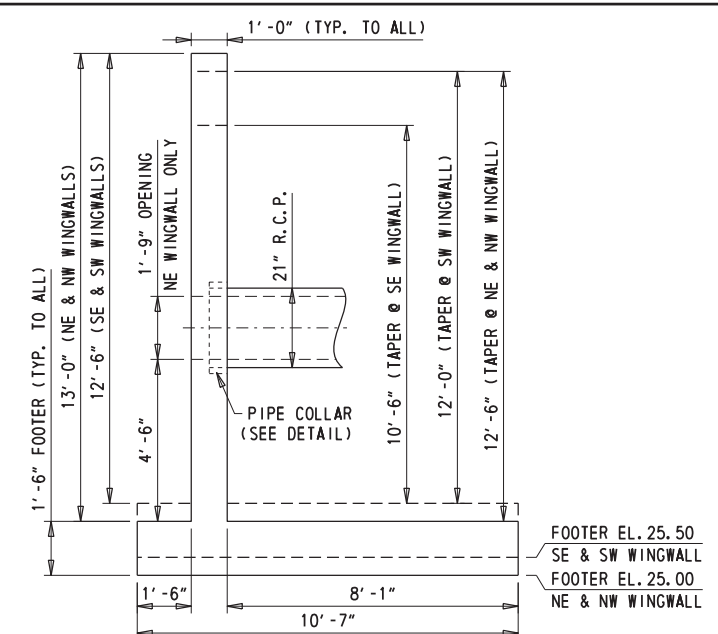
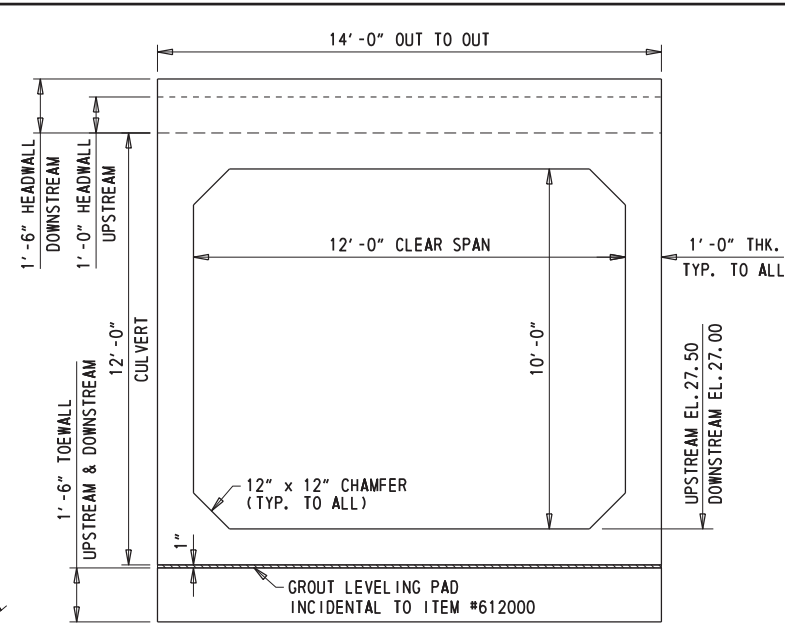
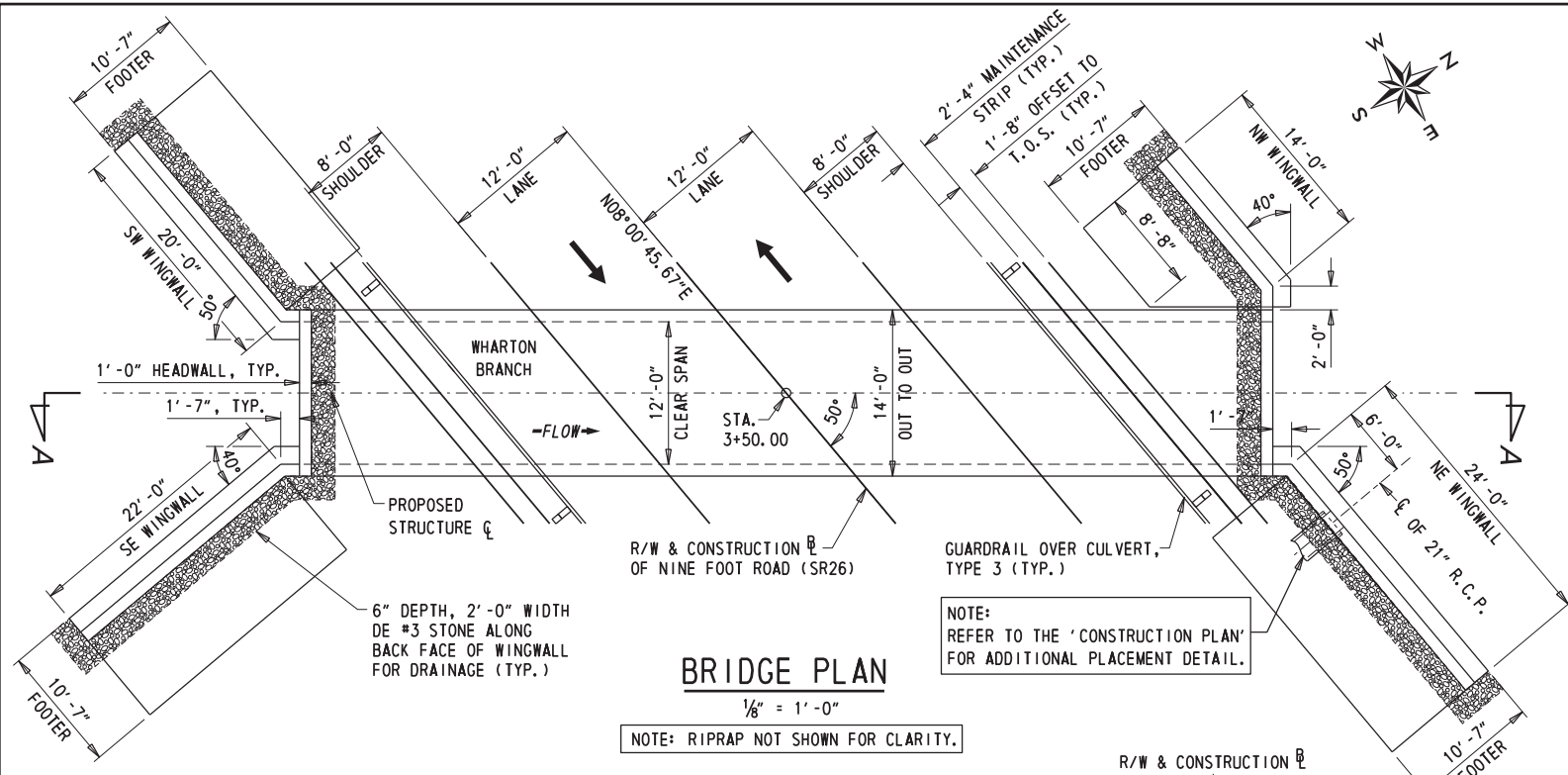


**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

PROFILE

SECTION	BR
SHEET NO.	9



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ADDENDA / REVISIONS

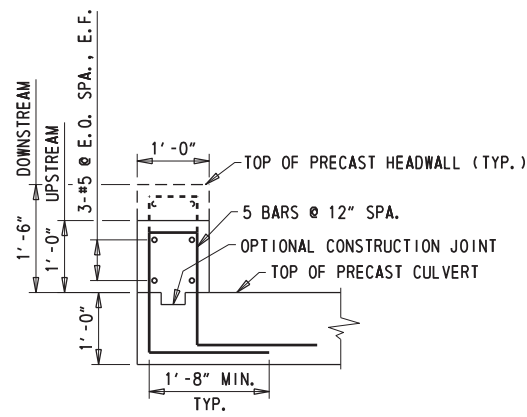
SCALE: AS NOTED

**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

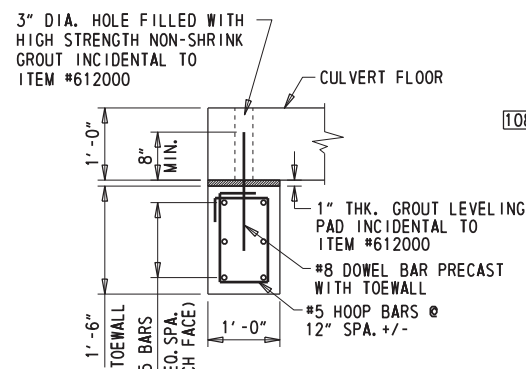
CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

**BRIDGE PLAN, SECTION
 AND ELEVATION**

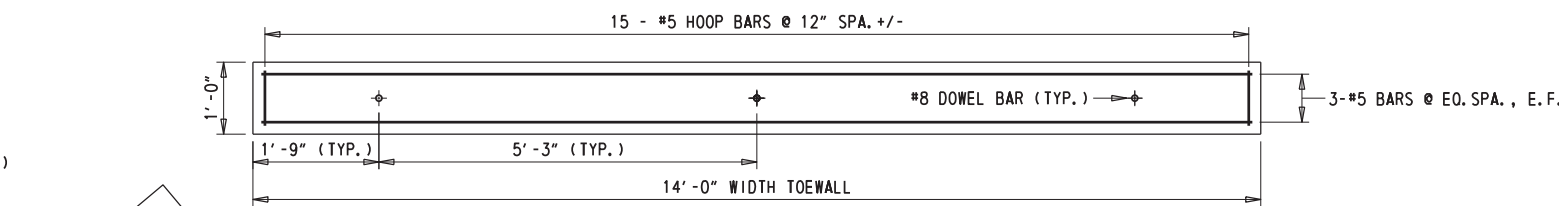
SECTION	BR
SHEET NO.	10



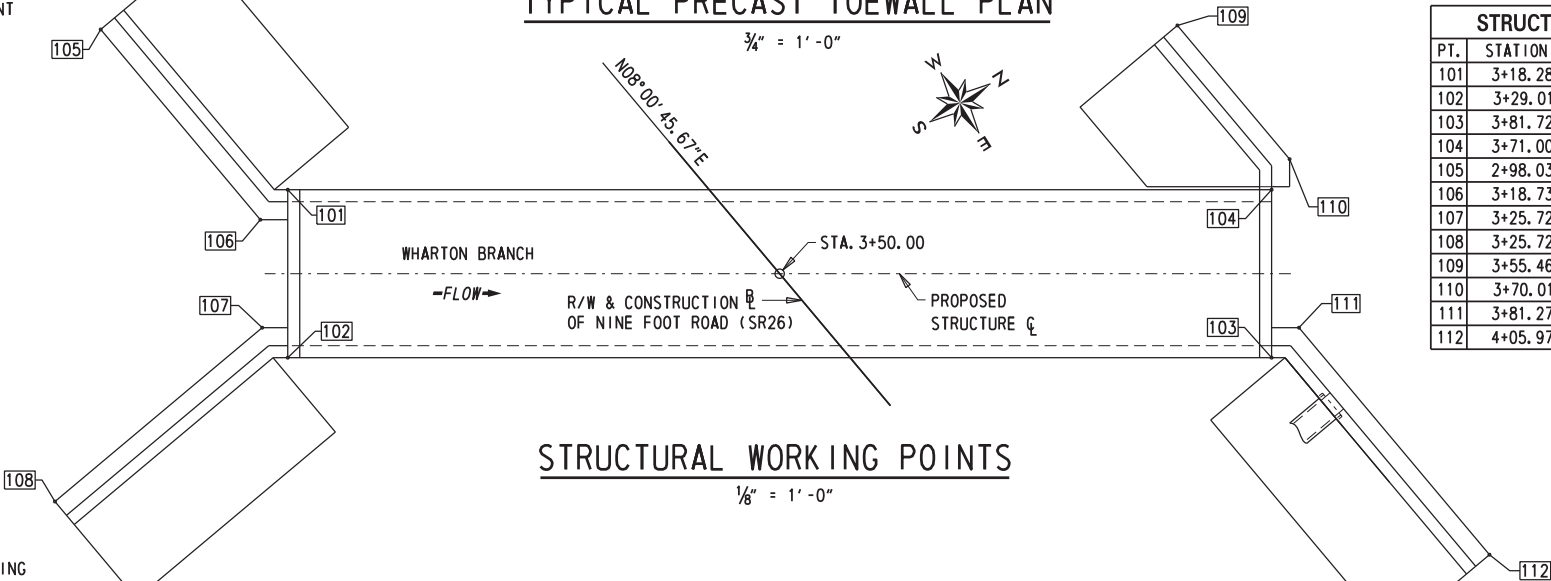
TYPICAL PRECAST HEADWALL SECTION
 $\frac{3}{4}'' = 1' - 0''$



TYPICAL PRECAST TOEWALL SECTION
 $\frac{3}{4}'' = 1' - 0''$

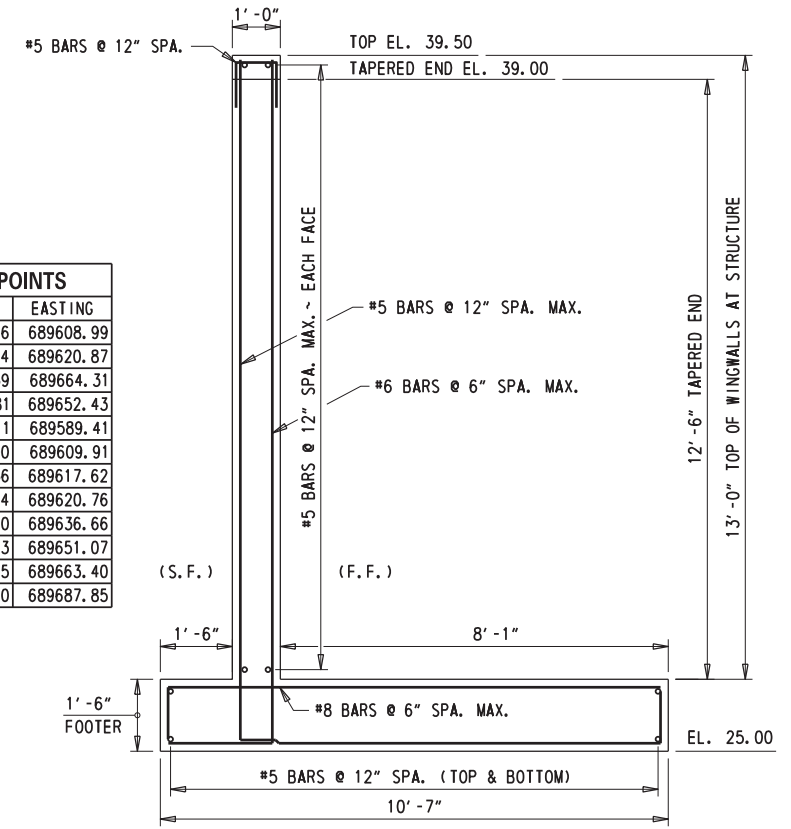


TYPICAL PRECAST TOEWALL PLAN
 $\frac{3}{4}'' = 1' - 0''$

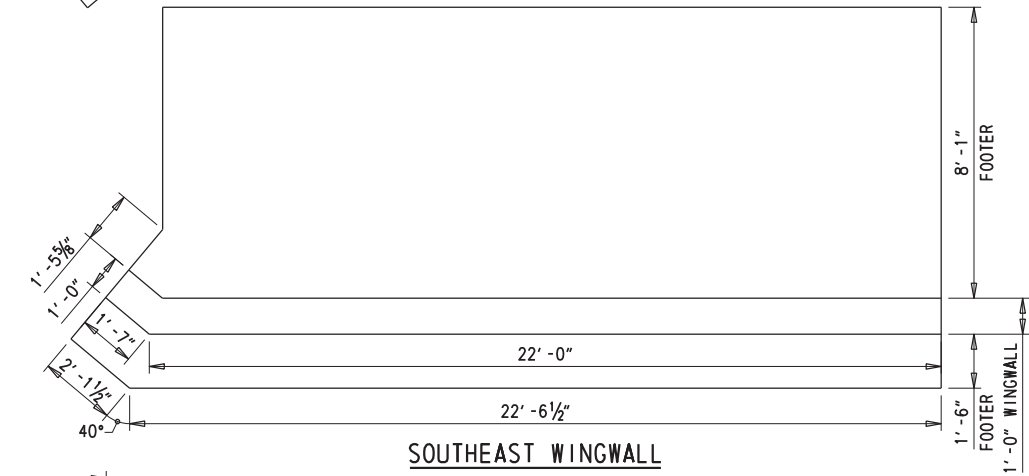


STRUCTURAL WORKING POINTS
 $\frac{1}{8}'' = 1' - 0''$

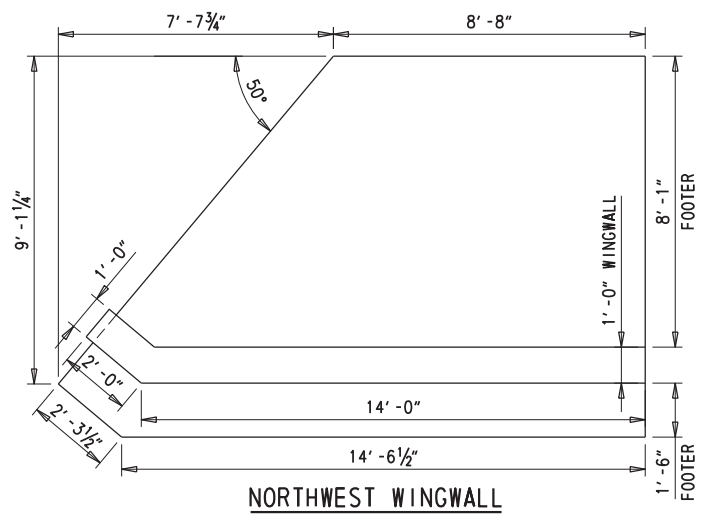
STRUCTURAL WORKING POINTS				
PT.	STATION	OFFSET	NORTHING	EASTING
101	3+18.28	26.91	193779.26	689608.99
102	3+29.01	35.91	193771.84	689620.87
103	3+81.72	-26.91	193841.39	689664.31
104	3+71.00	-35.91	193848.81	689652.43
105	2+98.03	30.26	193773.11	689589.41
106	3+18.73	30.26	193776.00	689609.91
107	3+25.72	35.93	193771.36	689617.62
108	3+25.72	56.48	193749.04	689620.76
109	3+55.46	-38.69	193849.40	689636.66
110	3+70.01	-38.69	193851.43	689651.07
111	3+81.27	-30.26	193844.65	689663.40
112	4+05.97	-30.26	193848.10	689687.85



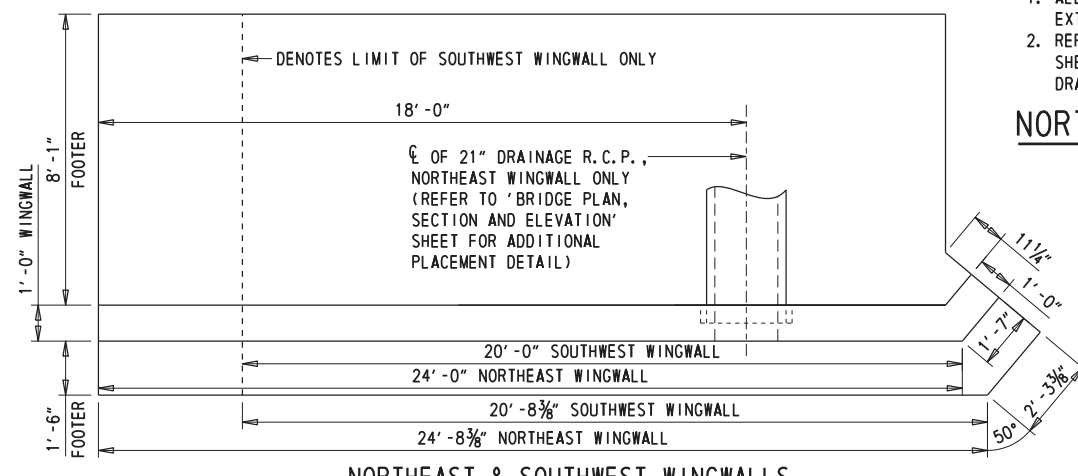
TYPICAL DOWNSTREAM PRECAST WINGWALL SECTION (NORTHWEST & NORTHEAST)
 $\frac{1}{2}'' = 1' - 0''$



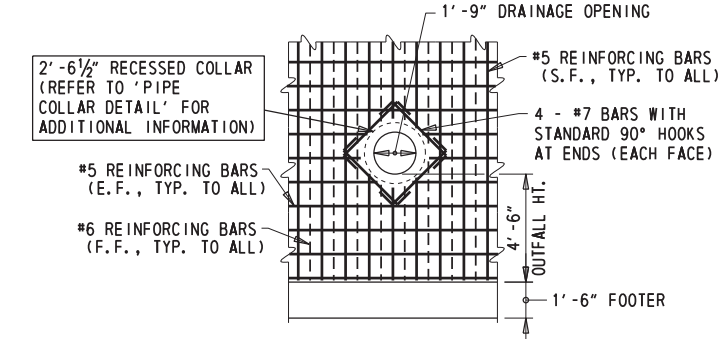
SOUTHEAST WINGWALL



NORTHWEST WINGWALL



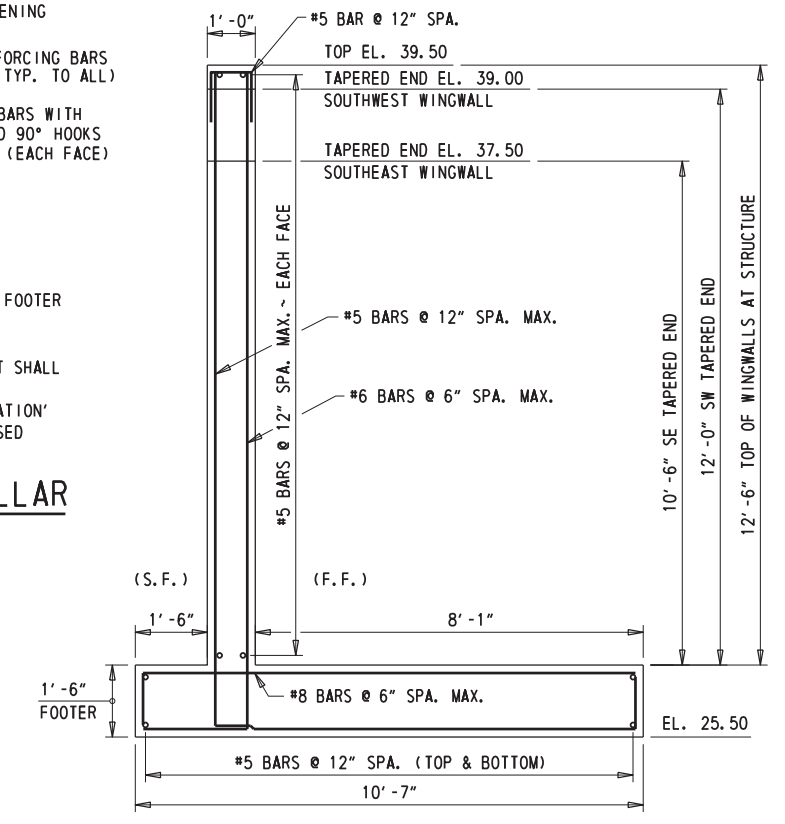
NORTHEAST & SOUTHWEST WINGWALLS



NORTHEAST WINGWALL PIPE COLLAR REINFORCEMENT DETAIL
 $\frac{1}{4}'' = 1' - 0''$

1. ALL VERTICAL AND HORIZONTAL CULVERT REINFORCEMENT SHALL EXTEND TO WITHIN 2" OF PROPOSED DRAINAGE OPENING.
2. REFER TO 'PROPOSED BRIDGE PLAN, SECTION AND ELEVATION' SHEET FOR ADDITIONAL INFORMATION REGARDING PROPOSED DRAINAGE PIPE LOCATIONS AND ELEVATIONS.

LEGEND	
E.F.	- EACH FACE
F.F.	- FILL FACE
N.E.	- NORTHEAST
N.W.	- NORTHWEST
S.E.	- SOUTHEAST
S.F.	- STREAM FACE
S.W.	- SOUTHWEST
W.W.	- WINGWALL



TYPICAL UPSTREAM PRECAST WINGWALL SECTION (SOUTHWEST & SOUTHEAST)
 $\frac{1}{2}'' = 1' - 0''$

ADDENDA / REVISIONS

SCALE: AS NOTED

**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

CONTRACT T201407309	BRIDGE NO. 3-588
COUNTY SUSSEX	DESIGNED BY: JWK CHECKED BY: NED

SECTION BR	PRECAST BRIDGE DETAILS
SHEET NO. 11	

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BORING: B-1		DATE DRILLED: 2/27/15	
STATION: 3+17.29		ELEVATION: 39.67	
OFFSET: 18.97'		NORTHING: 193786.981	
COMMENTS: N/A		EASTING: 689606.909	
SAMPLE INFORMATION			
NO.	DEPTH	BLOWS /6"	REMARKS
1	0.0	2 4 8 12	MOIST MEDIUM DENSE BROWN FINE TO COARSE SAND W/SOME SILT, TRACE OF FINE GRAVEL. 12" RECOVERY
2	2.0	10 4 5 7	MOIST LOOSE DARK BROWN ORGANIC FINE SAND W/SOME COARSE SAND AND SILT. 15" RECOVERY
3	4.0	3 4 7	MOIST MEDIUM DENSE BROWN FINE TO COARSE SAND W/SOME SILT, TRACE OF FINE GRAVEL. 15" RECOVERY
4	6.0	10 12 10 9	MOIST MEDIUM DENSE BROWN FINE SAND W/SOME SILT, TRACE OF COARSE SAND. 12" RECOVERY
5	8.0	4 14 10 9	WET MEDIUM DENSE BROWN FINE SAND W/SOME SILT, TRACE OF COARSE SAND. 20" RECOVERY
6	13.0	9 9 10 12	WET VERY STIFF BROWN FINE SANDY SILT W/TRACE COARSE SAND. 24" RECOVERY
7	18.0	12 14 18 23	WET HARD GRAY CLAYEY SILT W/TRACE FINE TO COARSE SAND. 24" RECOVERY
8	23.0	10 11 13 6	WET VERY STIFF BROWN FINE SANDY SILT W/TRACE COARSE SAND AND FINE GRAVEL. 24" RECOVERY
9	28.0	4 3 3 4	WET FIRM GRAY CLAYEY SILT W/SOME FINE SAND, TRACE OF COARSE SAND AND FINE GRAVEL. 24" RECOVERY
10	33.0	8 14 16 23	WET HARD BROWN COARSE SANDY SILT W/SOME FINE SAND AND CLAY, TRACE OF FINE GRAVEL. 24" RECOVERY
11	38.0	10 10 11 12	WET MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME FINE GRAVEL, TRACE OF SILT. 24" RECOVERY
12	43.0	13 18 23 32	WET DENSE BROWN COARSE TO FINE SAND W/TRACE FINE GRAVEL AND SILT. 24" RECOVERY
13	48.0	11 11 12 12	WET MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL. 24" RECOVERY
	50.0		END BORING

BORING: B-2		DATE DRILLED: 3/2/15	
STATION: 3+91.79		ELEVATION: 40.39	
OFFSET: -12.52'		NORTHING: 193828.547	
COMMENTS: N/A		EASTING: 689676.284	
SAMPLE INFORMATION			
NO.	DEPTH	BLOWS /6"	REMARKS
1	0.0	1 10 12 9	MOIST MEDIUM DENSE BROWN FINE TO COARSE SAND W/SOME FINE GRAVEL, TRACE OF SILT. 12" RECOVERY
2	2.0	4 4 6 7	MOIST LOOSE BROWN SILTY FINE SAND W/SOME COARSE SAND. 20" RECOVERY
3	4.0	2 3 5	MOIST LOOSE BROWN SILTY FINE SAND W/SOME COARSE SAND. 18" RECOVERY
4	6.0	5 10 10 10	MOIST MEDIUM DENSE BROWN FINE SAND W/SOME COARSE SAND, TRACE OF SILT. 20" RECOVERY
5	8.0	5 11 13 10	WET MEDIUM DENSE BROWN FINE SAND W/SOME COARSE SAND AND SILT. 22" RECOVERY
6	13.0	5 10 15 20	WET MEDIUM DENSE BROWN SILTY FINE SAND W/TRACE COARSE SAND. 24" RECOVERY
7	18.0	13 19 23 24	WET HARD BROWN FINE SANDY SILT W/TRACE COARSE SAND. 24" RECOVERY
8	23.0	11 13 17 19	WET MEDIUM DENSE BROWN SILTY FINE SAND W/TRACE COARSE SAND AND FINE GRAVEL. 24" RECOVERY
9	28.0	4 10 16 25	WET MEDIUM DENSE BROWN FINE SAND W/SOME COARSE SAND AND SILT, TRACE OF FINE GRAVEL. 24" RECOVERY
10	33.0	7 9 11 17	WET MEDIUM DENSE BROWN FINE SAND W/SOME COARSE SAND, TRACE OF FINE GRAVEL AND SILT. 24" RECOVERY
11	38.0	17 23 22 30	WET VERY DENSE BROWN FINE SAND W/SOME COARSE SAND AND SILT. 24" RECOVERY
12	43.0	19 22 26 28	WET DENSE BROWN FINE SAND W/SOME COARSE SAND, TRACE OF SILT. 24" RECOVERY
13	48.0	7 9 11 14	WET MEDIUM DENSE BROWN FINE SAND W/SOME COARSE SAND AND SILT. 24" RECOVERY
	50.0		END BORING

NOTES:

1. THE INFORMATION SHOWN ON THIS SHEET IS BASED ON LIMITED INVESTIGATIONS, AND IS IN NO WAY WARRANTED TO BE INDICATIVE OF ACTUAL CONDITIONS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION. SEE SECTION 102.05 OF THE STANDARD SPECIFICATIONS FOR MORE DETAIL.
2. BORING LOGS MADE BY DELAWARE DEPARTMENT OF TRANSPORTATION, SUBSURFACE EXPLORATION COMPLETED BY HILLIS-CARNES ENGINEERING ASSOCIATES, INC (HCEA).
3. LOCATIONS OF BORINGS ARE REFERENCED TO THE CONSTRUCTION PLAN AND LABELED AS B-1 AND B-2.
4. SOIL SAMPLING: 2 IN. OUTSIDE DIA. SPLIT BARREL SAMPLER, DRIVEN WITH A 140 LB. HAMMER FALLING 30 IN.
5. ALL DEPTHS GIVEN ARE IN FEET.

ADDENDA / REVISIONS

NOT TO SCALE

**BR 3-588 ON SR 26
NINE FOOT ROAD
OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

SOIL BORING LOG

SECTION
BR
SHEET NO.
12

ENVIRONMENTAL COMPLIANCE NOTES

WETLAND AREA DELINEATED BY CHRISTIE BONNEWELL (DELDOT) & T.J. AUSTIN (CENTURY) IN JUNE 2015 IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE ATLANTIC AND GULF COAST REGIONAL SUPPLEMENT (2010)." ORIGINAL SHEET PREPARED BY JONATHAN KARAM ON 06-27-2016. SHEET LAST UPDATED ON 03-28-2019.

1. GENERAL NOTES:

- A. THE PURPOSE OF THIS SHEET IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR THE AGENCY PERMIT REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
- B. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, THE ENVIRONMENTAL STUDIES SECTION SHALL BE CONTACTED AT (302)760-2264 TO ALLOW FOR COORDINATION WITH THE APPROPRIATE RESOURCE AGENCIES AND APPROVAL.
- C. USE OF THIS SHEET DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

2. NATURAL RESOURCE ISSUES:

- A. PERMIT REQUIREMENTS/APPROVALS:
 - U.S. ARMY CORPS OF ENGINEERS (COE): *3(a) AND (c) (NO PCN)
 - DNREC - WETLANDS: PROJECT CONSISTENT WITH DEL. CODE CH. 72, SECTION 7217, SPECIAL EXEMPTION (b)
 - DNREC - WATER QUALITY & COASTAL ZONE - ISSUED
- * THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING AND/OR OBTAINING THIS APPROVAL.
- B. CONSTRUCTION RESTRICTIONS:
 - FISHERIES - NONE
 - ENDANGERED SPECIES - NONE
 - MIGRATORY BIRDS - NONE

3. CULTURAL RESOURCE ISSUES:

ANY STAGING AND STOCKPILE AREA(S) OUTSIDE THE PROJECT'S LOC THAT INDIVIDUALLY OR CUMULATIVELY ARE LARGER THAN 10,000 SF MUST BE APPROVED BY DELDOT'S ARCHAEOLOGIST. WITHIN 30 DAYS, DELDOT WILL (1) APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S), (2) REJECT THE REQUEST; OR (3) PERFORM AN ARCHAEOLOGICAL SURVEY TO DETERMINE WHETHER TO APPROVE OR REJECT THE REQUEST, WHICH MAY TAKE UP TO 3 MONTHS. IF AN ARCHAEOLOGICAL SURVEY IS NECESSARY, DELDOT OR A CONSULTANT ON ITS BEHALF WILL UNDERTAKE THE SURVEY.

4. STREAM RESTORATION AND SLOPE RIPRAP TREATMENT

- A. THE CONTRACTOR SHALL FOLLOW THE SPECIAL PROVISIONS OF ITEM *707500 CHANNEL BED FILL IN REGARDS TO THE SALVAGING OF ON-SITE NATURAL STREAM BOTTOM MATERIAL OR THE FURNISHING OF OFF-SITE MATERIAL. IF SUFFICIENT SOURCES FOR CHANNEL BED FILL DO NOT EXIST ON-SITE, ANY NEW MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ITEM *707500 CHANNEL BED FILL. ALL RIPRAP IN THE CHANNEL BOTTOM (I.E. BELOW THE WATER LINE) SHALL BE RECESSED ONE FOOT BELOW STREAM BED ELEVATION AND CHOKED WITH BORROW TYPE 'B' SO THAT ALL OF THE VOIDS IN THE RIPRAP ARE FILLED WITH MATERIAL. PAYMENT UNDER ITEM *209002 BORROW TYPE 'B'. THE RIPRAP SHALL THEN BE COVERED WITH A MINIMUM OF 12" CHANNEL BED FILL. FINAL CHANNEL ELEVATIONS SHALL MATCH EXISTING ELEVATIONS AT THE UPSTREAM AND DOWNSTREAM PROJECT LIMITS. THROUGH THE STRUCTURE, ELEVATIONS SHALL BE AS NOTED ON THE PLANS. PAYMENT UNDER ITEM *707500 CHANNEL BED FILL.
- B. OTHER AREAS OF THE CHANNEL BOTTOM AFFECTED BY CONSTRUCTION (INCLUDING, BUT NOT LIMITED TO, THE LOCATION OF SUMP PITS, STABILIZED OUTFALLS, TEMPORARY PIPES AND/OR SANDBAG DIKES AND DIVERSIONS) SHALL BE RESTORED TO EXISTING CONDITIONS. ANY CAVITIES OR SCOUR HOLES RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE FILLED WITH CHANNEL BED FILL. PAYMENT UNDER ITEM *707500 CHANNEL BED FILL.
- C. WHEN ALL EROSION AND SEDIMENT CONTROL MEASURES ARE REMOVED AND THE STREAM RETURNS TO ITS NATURAL FLOW CONDITIONS, THE FLOW MUST REMAIN ABOVE GROUND AND ABOVE THE RIPRAP (I.E. THE FLOW CANNOT BE 'LOST' IN THE RIPRAP OR BENEATH THE STRUCTURE). IF THIS IS NOT ACHIEVED, THE CONTRACTOR WILL BE REQUIRED TO TAKE CORRECTIVE ACTION AT THE CONTRACTOR'S EXPENSE.
- D. ALL RIPRAP ON THE STREAM BANK, OUTSIDE THE CHANNEL BED, SHALL BE CHOKED WITH DELAWARE *57 STONE, FILLED WITH TOPSOIL, AND SEEDED. PLACE JUST ENOUGH CHOKE MATERIAL TO PREVENT THE LOSS OF TOPSOIL THROUGH THE RIPRAP, AND THEN FINISH FILLING THE VOIDS WITH TOPSOIL SO THAT THE RIPRAP PEAKS ARE BARELY VISIBLE. AN ADDITIONAL 4-INCH TOPSOIL LAYER SHALL BE PLACED ON TOP OF THE RIPRAP. SLOPE SEEDING SHALL BE WITH ITEM *908019 STREAMBANK SEED MIX, SEEDING. FOLLOWING THE SEEDING OPERATION, ITEM *908020 EROSION CONTROL BLANKET MULCH, OR OTHER BLANKET AS SHOWN ON THE PLANS SHALL BE INSTALLED. EROSION CONTROL BLANKET AT TOE OF SLOPE CAN BE TRENCHED IN OR STAPLES PLACED AT 6" ON CENTER. ALL WORK, STARTING WITH THE INITIAL CHOKING WITH TOPSOIL THROUGH THE SEEDING SHALL BE COMPLETED PRIOR TO ANY RAIN EVENT. DELAWARE *57 STONE SHALL BE INCIDENTAL TO THE RIPRAP ITEM. ALL OTHER ITEMS SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS.
- E. THE TOPSOIL/SEED/MULCH CAN BE PLACED BEFORE OR AFTER THE REMOVAL OF THE STREAM DIVERSION. IF IT OCCURS AFTER STREAM DIVERSION REMOVAL, A TURBIDITY CURTAIN SHALL BE USED TO MINIMIZE IN-STREAM SEDIMENTATION. PAYMENT SHALL BE INCIDENTAL TO ITEM *909005 STREAM DIVERSION.

5. CLEARING IN WETLAND AREAS SHALL BE KEPT TO A MINIMUM ABSOLUTELY NECESSARY FOR CONSTRUCTION ACCESS. IN WETLAND AREAS THAT ARE CLEARED, THERE SHALL BE NO GRUBBING EXCEPT WHERE NECESSARY TO CONSTRUCT PROJECT COMPONENTS SUCH AS FOUNDATIONS AND RIPRAP PROTECTION. VEGETATION SHALL BE CUT FLUSH WITH THE GROUND (I.E. NO DISTURBANCE OF THE ROOT MAT. TEMPORARILY DISTURBED WETLAND AREAS SHALL BE RESTORED TO GRADE AND SEEDED WITH TEMPORARY GRASS SEEDING - DRY GROUND, (PAYMENT UNDER ITEM 908017). SILT FENCE AND/OR CONSTRUCTION SAFETY FENCE SHALL BE USED ALONG THE LIMITS OF CONSTRUCTION IN ALL AREAS WHERE WATER/WETLANDS EXIST (AS SHOWN ON THE EC SHEETS). CONTRACTOR ACCESS BEYOND THE LOC IS STRICTLY PROHIBITED.

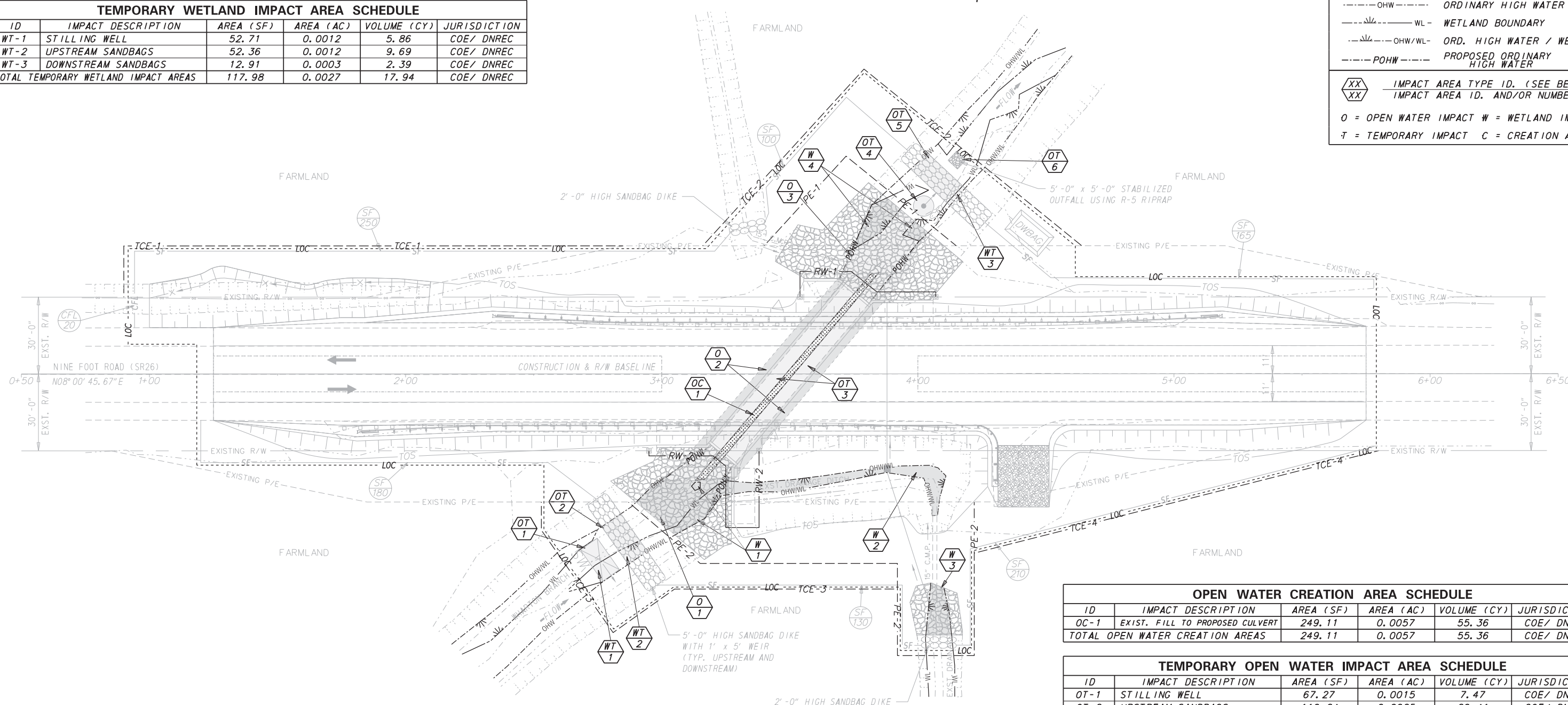
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ADDENDA / REVISIONS		NOT TO SCALE	BR 3-588 ON SR 26 NINE FOOT ROAD OVER WHARTON'S BRANCH	CONTRACT	BRIDGE NO.	3-588	ENVIRONMENTAL COMPLIANCE NOTES	SECTION
				T201407309	DESIGNED BY: JWK			BR
				COUNTY	CHECKED BY: NED			SHEET NO.
				SUSSEX				13

PERMANENT WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
W-1	UPSTREAM RIPRAP	155.68	0.0036	8.65	COE/ DNREC
W-2	DITCH GRADING	374.80	0.0086	83.28	COE/ DNREC
W-3	RIPRAP FOR DRAINAGE DITCH	151.64	0.0035	5.61	COE/ DNREC
W-4	DOWNSTREAM RIPRAP	191.66	0.0044	10.65	COE/ DNREC
TOTAL PERMANENT WETLAND IMPACT AREAS		873.78	0.0201	108.19	COE/ DNREC

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
WT-1	STILLING WELL	52.71	0.0012	5.86	COE/ DNREC
WT-2	UPSTREAM SANDBAGS	52.36	0.0012	9.69	COE/ DNREC
WT-3	DOWNSTREAM SANDBAGS	12.91	0.0003	2.39	COE/ DNREC
TOTAL TEMPORARY WETLAND IMPACT AREAS		117.98	0.0027	17.94	COE/ DNREC

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



OPEN WATER CREATION AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
OC-1	EXIST. FILL TO PROPOSED CULVERT	249.11	0.0057	55.36	COE/ DNREC
TOTAL OPEN WATER CREATION AREAS		249.11	0.0057	55.36	COE/ DNREC

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
OT-1	STILLING WELL	67.27	0.0015	7.47	COE/ DNREC
OT-2	UPSTREAM SANDBAGS	110.24	0.0025	20.41	COE/ DNREC
OT-3	PIPES TO CULVERT	1159.23	0.0266	257.61	COE/ DNREC
OT-4	SUMP PIT	50.26	0.0011	9.31	COE/ DNREC
OT-5	DOWNSTREAM SANDBAGS	171.84	0.0039	31.82	COE/ DNREC
OT-6	STABILIZED RIPRAP OUTFALL	25.00	0.0005	1.39	COE/ DNREC
TOTAL TEMPORARY OPEN WATER IMPACTS		1583.84	0.0361	328.01	COE/ DNREC

PERMANENT OPEN WATER IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
O-1	UPSTREAM RIPRAP	342.81	0.0078	19.05	COE/ DNREC
O-2	PIPES TO CULVERT	669.80	0.0154	148.84	COE/ DNREC
O-3	DOWNSTREAM RIPRAP	419.76	0.0096	23.32	COE/ DNREC
TOTAL PERMANENT OPEN WATER IMPACTS		1432.37	0.031	191.21	COE/ DNREC

PROJECT AREA DELINEATED BY CHRISTIE BONNIWELL (DELDOT) & TJ AUSTIN (CENTURY) IN JUNE 2015 IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE ATLANTIC AND GULF COAST REGIONAL SUPPLEMENT (2010)."

SHEET PREPARED BY JONATHAN KARAM, 10/04/2016, DELAWARE D.O.T. BRIDGE DESIGN SECTION.
LAST UPDATED ON 6-29-2017.

ADDENDA / REVISIONS



**BR 3-588 ON SR 26
NINE FOOT ROAD
OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

**ENVIRONMENTAL
COMPLIANCE PLAN**

SECTION	BR
SHEET NO.	14

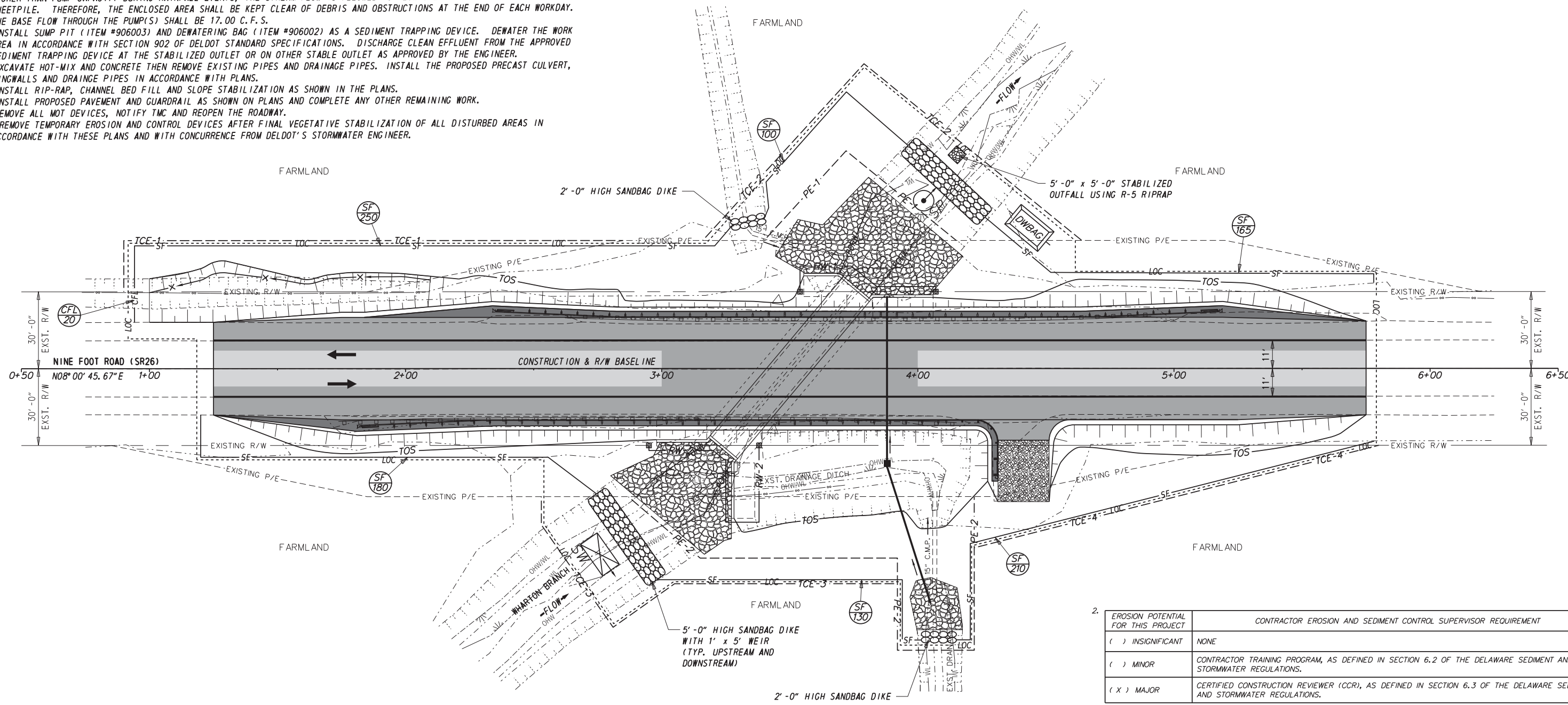
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SEQUENCE OF CONSTRUCTION:

1. INSTALL MOT DEVICES IN ACCORDANCE WITH THE DETOUR PLAN AND CLOSE NINE FOOT ROAD (SR26)
2. INSTALL COMPOST FILTER LOGS (ITEM #907017) AND SILT FENCE (ITEM #905001) EXCEPT CONNECTION TO SANDBAG DIKES (ITEM #909005) AS DIRECTED BY FIELD ENGINEER.
3. INSTALL STILLING WELL (ITEM #909005) JUST UPSTREAM OF THE PROPOSED UPSTREAM SANDBAG DIKE. PLACE R-5 RIPRAP (ITEM #909005) AT THE PROPOSED DISCHARGE AREA OF THE PUMP ON TOP OF GEOTEXTILE FOR STABILIZED OUTFALL.
4. CONSTRUCT THE SANDBAG DIKES OR SHEETPILES, AT THE LOCATIONS SHOWN WITH A TOP EL. 6 INCHES BELOW TOP OF STREAM BANK WITH A 1' X 3' WEIR OPENING UPSTREAM. ELEVATION OF THE DOWNSTREAM SANDBAGS DIKES SHALL NOT BE HIGHER THAN THE LOWEST ELEVATION OF THE UPSTREAM SANDBAG DIKES. CONNECT SILT FENCE TO SANDBAG DIKES OR SHEETPILES TO COMPLETELY ENCLOSE THE WORK AREA. USE PUMP (ITEM #909005) TO DIVERT THE STREAM BASE FLOW AROUND THE ENCLOSED WORK AREA. WHEN THE FLOW IS HIGHER THAN PUMP CAPACITY DURING RAINFALL EVENTS, THE STREAM FLOW IS ALLOWED TO FLOW OVER THE SANDBAG DIKE OR SHEETPILE. THEREFORE, THE ENCLOSED AREA SHALL BE KEPT CLEAR OF DEBRIS AND OBSTRUCTIONS AT THE END OF EACH WORKDAY. THE BASE FLOW THROUGH THE PUMP(S) SHALL BE 17.00 C.F.S.
5. INSTALL SUMP PIT (ITEM #906003) AND DEWATERING BAG (ITEM #906002) AS A SEDIMENT TRAPPING DEVICE. DEWATER THE WORK AREA IN ACCORDANCE WITH SECTION 902 OF DELDOT STANDARD SPECIFICATIONS. DISCHARGE CLEAN EFFLUENT FROM THE APPROVED SEDIMENT TRAPPING DEVICE AT THE STABILIZED OUTLET OR ON OTHER STABLE OUTLET AS APPROVED BY THE ENGINEER.
6. EXCAVATE HOT-MIX AND CONCRETE THEN REMOVE EXISTING PIPES AND DRAINAGE PIPES. INSTALL THE PROPOSED PRECAST CULVERT, WINGWALLS AND DRAINAGE PIPES IN ACCORDANCE WITH PLANS.
7. INSTALL RIP-RAP, CHANNEL BED FILL AND SLOPE STABILIZATION AS SHOWN IN THE PLANS.
8. INSTALL PROPOSED PAVEMENT AND GUARDRAIL AS SHOWN ON PLANS AND COMPLETE ANY OTHER REMAINING WORK.
9. REMOVE ALL MOT DEVICES, NOTIFY TMC AND REOPEN THE ROADWAY.
10. REMOVE TEMPORARY EROSION AND CONTROL DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS IN ACCORDANCE WITH THESE PLANS AND WITH CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER.

1. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

(X)	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801500.



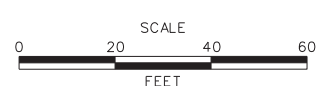
2.

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

3. THE DISTURBED AREA FOR THIS PROJECT IS 0.868 ACRES.
4. THE ADDITIONAL IMPERVIOUS AREA FOR THIS PROJECT IS 2980 SQUARE FEET.
5. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS ARE VALID FOR A FIVE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, THE CONTRACTOR WILL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS. THE STORMWATER ENGINEER WILL REVIEW THE CURRENT SEDIMENT AND STORMWATER MANAGEMENT PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

Vincent W. Davis 02/21/2019
 DELDOT STORMWATER ENGINEER DATE
 "I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS AND THAT ALL CLEARING, GRADING, AND CONSTRUCTION WILL BE ACCOMPLISHED PURSUANT TO THE PLAN."

ADDENDA / REVISIONS



**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
SUSSEX	CHECKED BY:	NED

**CONSTRUCTION
 SEQUENCE AND EROSION
 CONTROL PLAN**

SECTION	BR
SHEET NO.	15

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PORTABLE CHANGE-ABLE MESSAGE SIGNS

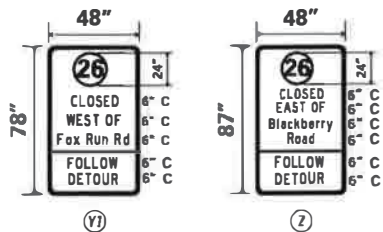
PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

SR 26
TO CLOSE

STARTING
XX/XX/XX

SPECIAL SIGNS



*DG RETROREFLECTIVE ORANGE BACKGROUND;
BLACK LEGEND

*ROUTE SHIELD - WHITE BACKGROUND; BLACK
LEGEND

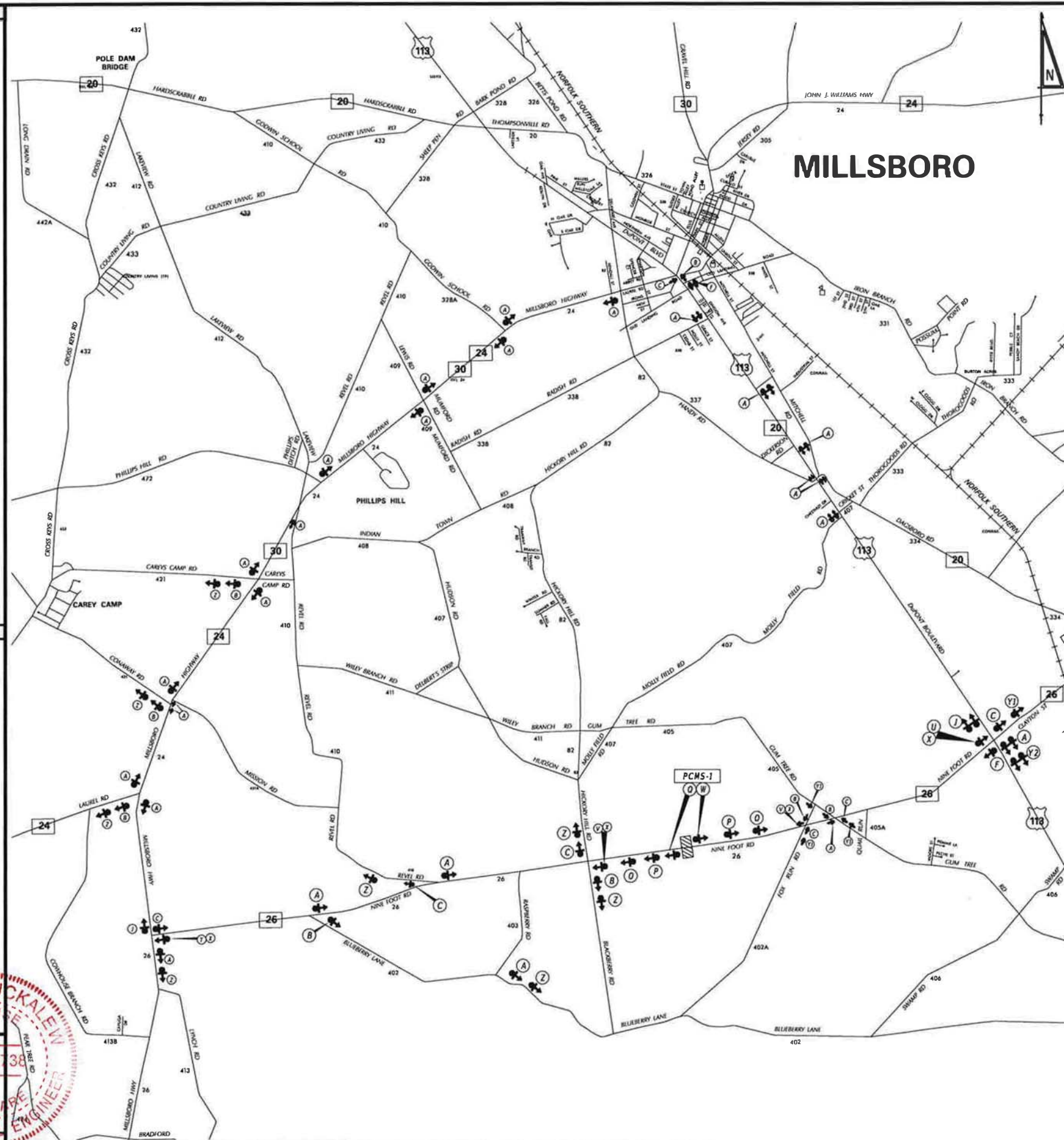
PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

THIS SEAL APPLIES TO ALL SHEETS
BEARING THE 'TS' SECTION DESIGNATION.

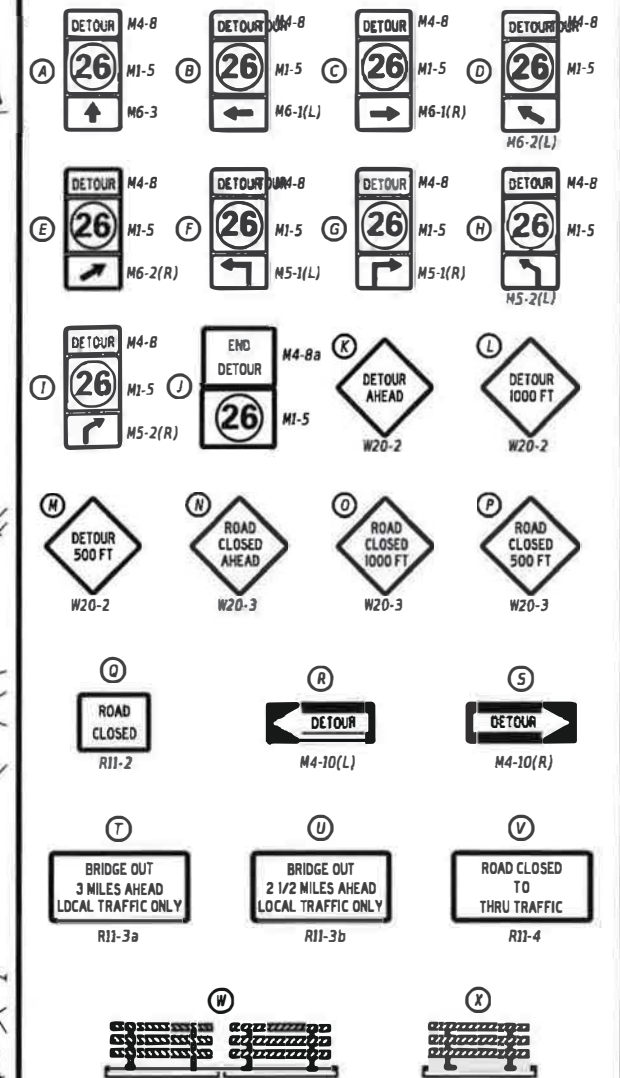
4/2/19
DATE



ADDENDA / REVISIONS



LEGEND



GENERAL NOTES

- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCO.)
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCO PART 6) OR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
- DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
- SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCO.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
- SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
- FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCO) WILL PREVAIL.
- SIGNS "M" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
- WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
- "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

CONCURRENCE FOR IMPLEMENTATION

Mary S. Buckalew 4-1-19
TRAFFIC SAFETY DATE

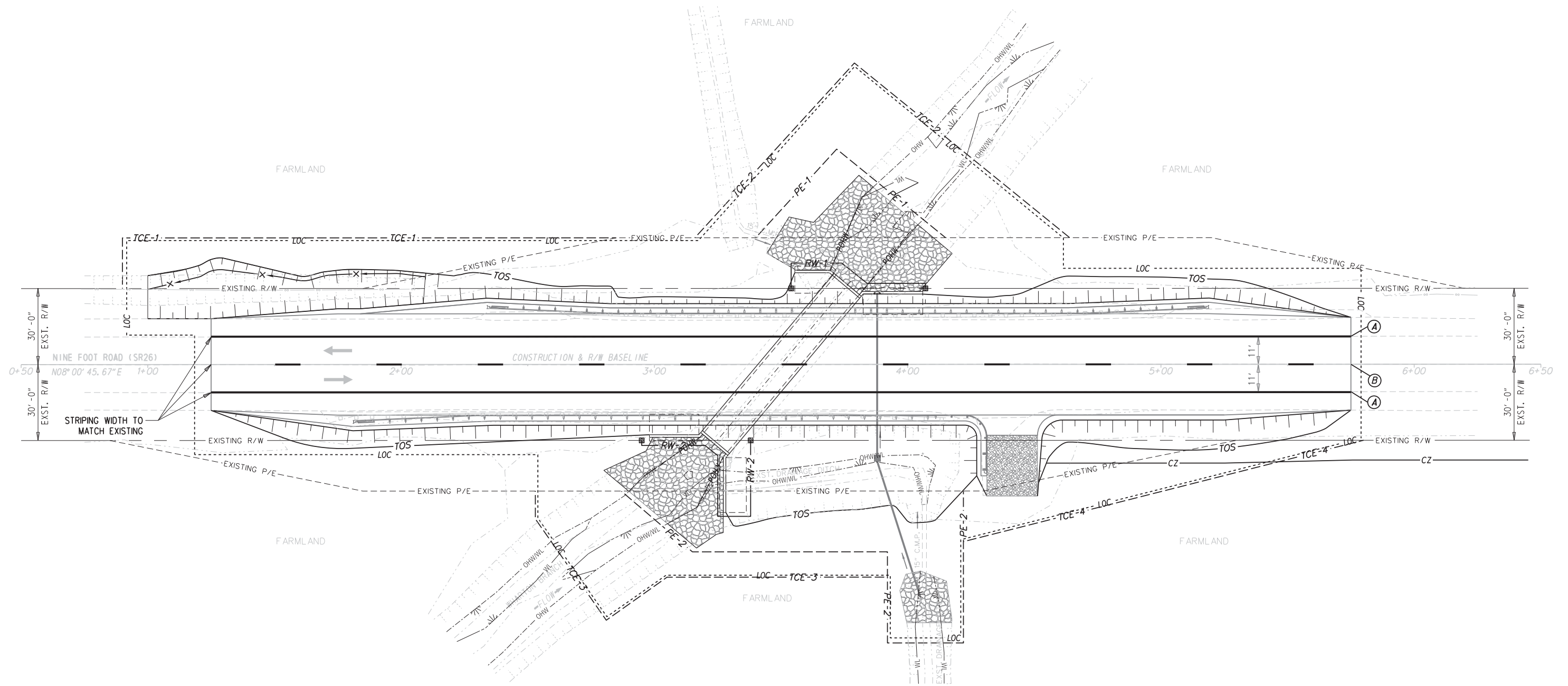
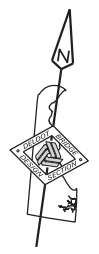
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BR3-588 ON DE 26
OVER WHARTON DITCH

CONTRACT	PERMIT NO.	S26
T201407309	DESIGNED BY:	DBW
COUNTY	CHECKED BY:	MSB
SUSSEX		

DETOUR PLAN -
VEHICULAR
RT 26 @ BLACKBERRY RD

SECTION	TS
SHEET NO.	16



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	*940 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" BROKEN - 10' LINE & 30' GAP (ITEM 817013)	*140 LF

*ADDED 20 FT PER LINE FOR CONSTRUCTION DAMAGE

NOTE:
 1. PLACE RECESSED PAVEMENT MARKERS ALONG THE CENTERLINE OF THE ROADWAY THROUGHOUT THE PROJECT LIMITS. SPACE PROPOSED MARKERS 80 FT APART. PROVIDE APPROXIMATELY 80 FT SPACE FROM EXISTING AND PROPOSED PAVEMENT MARKERS AT EACH END OF PROJECT LIMITS TO ACHIEVE CONSISTENT APPEARANCE. PAYMENT UNDER ITEM #817027 - RAISED/RECESSED PAVEMENT MARKER.

ADDENDA / REVISIONS



**BR 3-588 ON SR 26
 NINE FOOT ROAD
 OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	NED
SUSSEX		

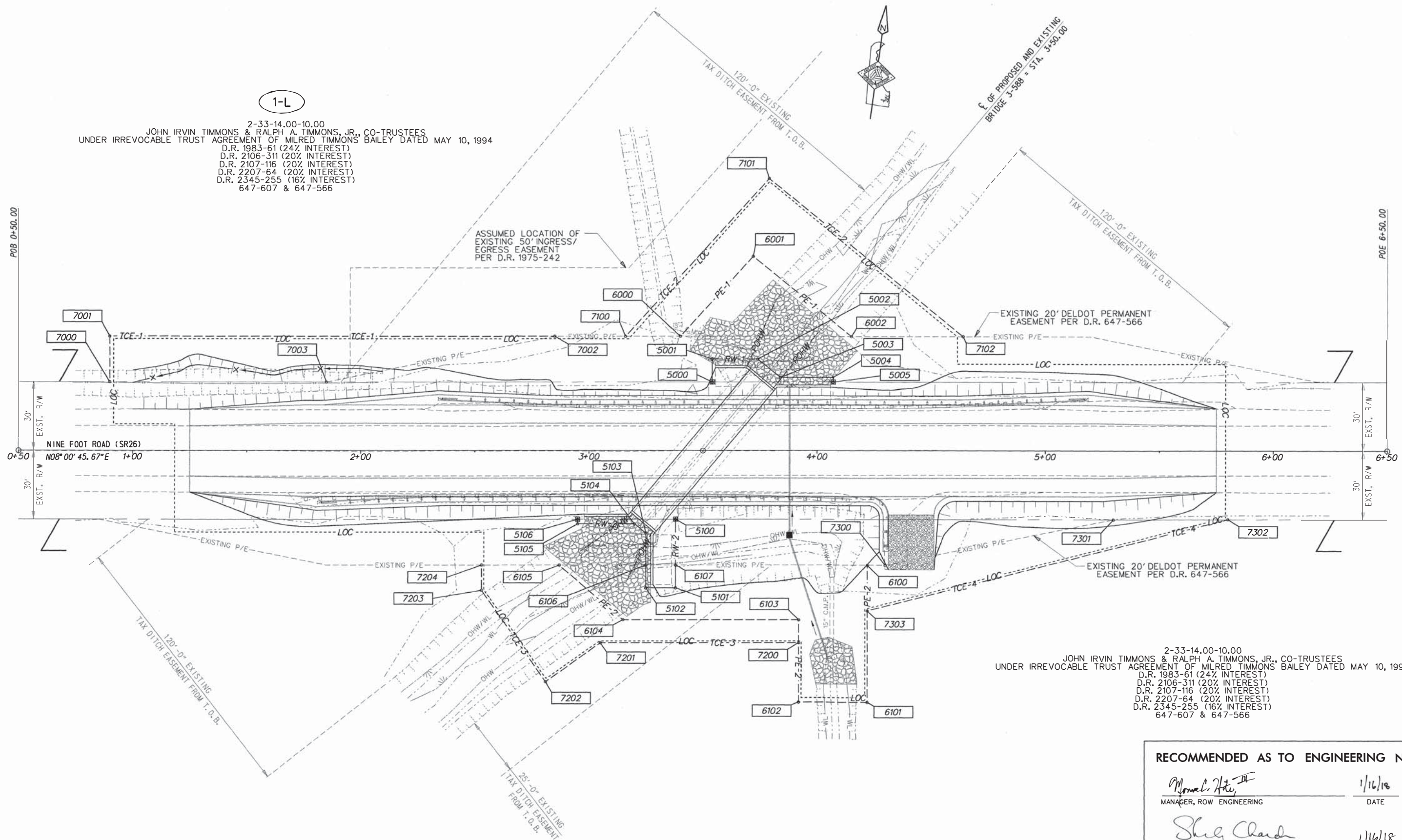
SIGNING AND STRIPING PLAN

SECTION	BR
SHEET NO.	17

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1-L

2-33-14.00-10.00
 JOHN IRVIN TIMMONS & RALPH A. TIMMONS, JR., CO-TRUSTEES
 UNDER IRREVOCABLE TRUST AGREEMENT OF MILRED TIMMONS BAILEY DATED MAY 10, 1994
 D.R. 1983-61 (24% INTEREST)
 D.R. 2106-311 (20% INTEREST)
 D.R. 2107-116 (20% INTEREST)
 D.R. 2207-64 (20% INTEREST)
 D.R. 2345-255 (16% INTEREST)
 647-607 & 647-566



2-33-14.00-10.00
 JOHN IRVIN TIMMONS & RALPH A. TIMMONS, JR., CO-TRUSTEES
 UNDER IRREVOCABLE TRUST AGREEMENT OF MILRED TIMMONS BAILEY DATED MAY 10, 1994
 D.R. 1983-61 (24% INTEREST)
 D.R. 2106-311 (20% INTEREST)
 D.R. 2107-116 (20% INTEREST)
 D.R. 2207-64 (20% INTEREST)
 D.R. 2345-255 (16% INTEREST)
 647-607 & 647-566

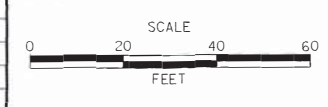
RECOMMENDED AS TO ENGINEERING NEED

Manuel Hite, III 1/16/18
 MANAGER, ROW ENGINEERING DATE
Shelley Clark 1/16/18
 PROGRAM MANAGER, TEAM SUPPORT DATE
John... 1/16/18
 TECHNICAL REVIEWER, TEAM SUPPORT DATE

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ADDENDUMS / REVISIONS



**BRIDGE 3-588 ON SR26
 NINE FOOT ROAD OVER
 WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JWK
COUNTY	CHECKED BY:	CAS
SUSSEX		

RIGHT-OF-WAY PLAN	
SECTION	BR
SHEET NO.	18

COUNTY ASSESSMENT PARCEL NUMBER	PLAN SHEET NUMBER	OWNERSHIP OF RECORD	TITLE SOURCE	PROPERTY AREA BEFORE ACQUISITION (ACRE) D=DEED C=CALCULATED A=ASSESSMENT	ACQUISITION CODE FEE, R/W, P/E, TCE	AREA TO BE ACQUIRED				PROPERTY AREA REMAINING (SQ. FEET /ACRES)	DEED RECORD OF ACQUISITION	REMARKS		
						ACQUISITION (SQ. FEET /ACRES)	AREA OCCUPIED BY EXISTING RIGHT OF WAY (SQ. FEET /ACRES)	EASEMENT						
								PERMANENT (SQ. FEET /ACRES)	TEMPORARY (SQ. FEET /ACRES)					
2-33-14.00-10.00	16	(1-L) JOHN IRVIN TIMMONS & RALPH A. TIMMONS, JR. , CO-TRUSTEES UNDER IRREVOCABLE TRUST AGREEMENT OF MILRED TIMMONS BAILEY DATED MAY 10, 1994	D. R. 1983-61 (24%)	D - 146.55	FEE-1	306.00 / 0.01						AREA OF FEE/RW CONTAINED IN EXISTING STATE PE = 306.00 / 0.01		
			D. R. 2106-311 (20%)		FEE-2	460.00 / 0.01							AREA OF FEE/RW CONTAINED IN EXISTING STATE PE = 330.00 / 0.01	
			D. R. 2107-116 (20%)		P/E-1			1312.50 / 0.03						AREA OF PE OCCUPIED BY TAX DITCH EASEMENT = 543.52 / 0.01
			D. R. 2207-64 (20%)		P/E-2			3854.00 / 0.09						AREA OF PE OCCUPIED BY TAX DITCH EASEMENT = 497.24 / 0.01
			D. R. 2345-255 (16%)		TCE-1					2899.00 / 0.07				AREA OF TCE OCCUPIED BY TAX DITCH EASEMENT = 704.68 / 0.02
					TCE-2					3793.50 / 0.09				AREA OF TCE OCCUPIED BY TAX DITCH EASEMENT = 2009.22 / 0.05
					TCE-3			2662.00 / 0.06				AREA OF TCE OCCUPIED BY TAX DITCH EASEMENT = 641.10 / 0.02		
					TCE-4			2001.00 / 0.05		6382952.00 / 146.53				

ACQUISITION CODES
FEE - ACQUISITION P/E - PERMANENT EASEMENT
R/W - AREA OCCUPIED BY EXISTING R/W TCE - TEMPORARY EASEMENT

ADDENDA / REVISIONS

NOT TO SCALE

**BR 3-588 ON SR 26
NINE FOOT ROAD
OVER WHARTON'S BRANCH**

CONTRACT	BRIDGE NO.	3-588
T201407309	DESIGNED BY:	JB
COUNTY	CHECKED BY:	NED
SUSSEX		

**RIGHT-OF-WAY
TABULATION SHEET**

SECTION
BR
SHEET NO.
20