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**THE FOLLOWING STANDARDS (CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL) ARE REQUIRED FOR THIS PROJECT:**

- 104.01-22 - PORTABLE VARIABLE MESSAGE SIGN PLACEMENT - ALL ROADWAYS / ALL SPEEDS
- 605.03 - TYPE C TRAFFIC BARRIER END TREATMENT
- 605.22 - TRAFFIC BARRIER W BEAM SINGLE FACE
- 605.41 - TRAFFIC BARRIER THRIE BEAM ANCHORAGE TO VERTICAL FACE (STEEL POST)

FOR ALL DETAILS REFERRED TO ON THE PLANS THE CONTRACTOR MUST GO TO THE BOOK OF STANDARDS WHICH WILL HAVE THE MOST CURRENT VERSION. THE BOOK OF STANDARDS CAN BE ACCESSED AT:

<http://apps.roads.maryland.gov/businesswithsha/bizStdsSpecs/desManualStdPub/publocationsonline/ohd/bookstd/index.asp>

ALL ITEMS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VERSION OF THE REFERENCED DETAILS AT THE TIME OF CONSTRUCTION.

**GENERAL NOTES**

- THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- THE CONTRACTOR SHALL CALL "MISS UTILITY" (1-800-257-7777) A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION, BORING, PILE DRIVING AND/OR DIGGING TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES.
- RIGHT-OF-WAY AND EASEMENT LINES SHOWN ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING PLANS ONLY. FOR DETAILED INFORMATION SEE THE APPROPRIATE RIGHT-OF-WAY PLATS.
- THE GRADING LIMITS SHOWN ON THE PLANS ARE NOT TO BE EXCEEDED. ANY CHANGES IN THE GRADING, EROSION AND SEDIMENT CONTROL PLAN OR OTHER SEGMENT OF THE WORK MUST BE REVIEWED AND APPROVED BY THE ENGINEER.
- THE TRIBUTARY TO MATAPONI CREEK IS A USE I WATERWAY. IN-STREAM WORK MAY NOT BE CONDUCTED FROM MARCH 1 THROUGH JUNE 15, INCLUSIVE, OF ANY YEAR.

**DEPARTMENT OF PUBLIC WORKS  
AND TRANSPORTATION  
PRINCE GEORGE'S COUNTY, MARYLAND**

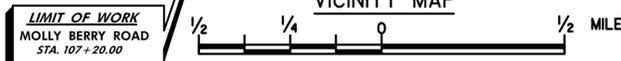
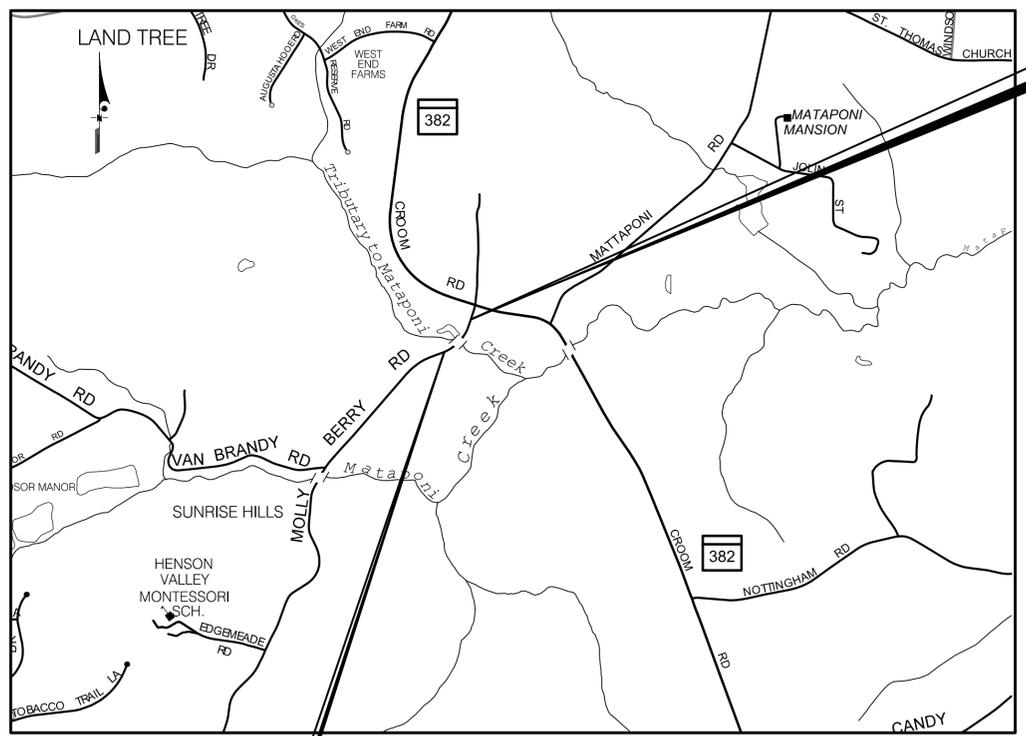
**REPLACEMENT OF BRIDGE NO. P-0494**

**MOLLY BERRY ROAD OVER TRIBUTARY TO MATAPONI CREEK**

**CONTRACT NO. 946-H(D)**

**SHA NO. PGXXXXX**

**F.A.P. NO. XXX-XXXXXX**



**ABBREVIATIONS**

P.G.L.	PROFILE GRADE LINE	T	TANGENT	FILL	— F —
B	BASELINE	R.C.P.	REINFORCED CONCRETE PIPE	WETLAND BUFER	— B —
ELEV.	ELEVATION	R	RADIUS	WETLAND BOUNDARY	• • • •
STA.	STATION	L	LENGTH	WUS BOUNDARY	— WUS —
L.F.	LINEAR FEET	P.C.	POINT OF CURVE	HEDGE	— SF —
S.Y.	SQUARE YARD	P.T.	POINT OF TANGENT		
C.Y.	CUBIC YARD	T.H.	TEST HOLE		
STD.	STANDARD	E	EXTERNAL		
R/W	RIGHT OF WAY	P.R.C.	POINT OF REVERSE CURVE		
	EXISTING	P.C.C.	POINT OF COMPOUND CURVE		
EX.	LEFT	P.O.E.	POINT OF END		
LT.	RIGHT	P.O.B.	POINT OF BEGINNING		
RT.					



PROFESSIONAL CERTIFICATION:  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 28888, EXPIRATION DATE: 06/20/2021



EROSION AND SEDIMENT CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

**PS&E PLAN  
OCTOBER 20 2020**

**DEPARTMENT OF PUBLIC WORKS  
AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND  
REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK  
**TITLE SHEET**

Prince George's County, Maryland  
Department of Permitting, Inspections and Enforcement  
**APPROVED PERMIT SET**  
The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.  
Case Name: PEER REVIEW - DPW-REPLACEMENT OF MOLLY BERRY ROAD  
Project No: 3832-2020-0  
Case Number (Permit #): 3832-2020-0  
Case Type: P-01  
Revision Date: 10/20/2020  
Address: 1104 MOLLY BERRY RD UPPER MARLBOROUGH SECTION  
Lobby, (Block) and Parcel(s)  
Lot and Block  
**M Taygum DPIE**

Prince George's County Maryland  
Department of Permitting, Inspections and Enforcement  
**APPROVED PLAN SET  
SD-SWM ONLY**  
The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.  
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Case Number (Permit #): 3832-2020-0  
Case Type: P-01  
Revision Date: 10/20/2020  
Address: 1104 MOLLY BERRY RD UPPER MARLBOROUGH SECTION  
Lobby and Block(s), Lot and Block  
**M Taygum DPIE**

**Conditions of Approval**  
The above approval is conditioned upon the following:  
- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.  
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.  
- This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.

DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE)  
PRINCE GEORGE'S COUNTY, MARYLAND  
**PEER REVIEW APPROVAL STAMP**  
"I hereby certify that I have personally completed verification for the above project. I have reviewed these plans in detail and they are in accordance with the applicable technical specifications and standards."  
APPROVAL DATE: 10/20/2020  
PEER REVIEWER: [Signature]  
COMPANY NAME: PRINCE GEORGE'S DPW&T  
PERMIT NUMBER: 3832-2020-0

**PRINCE GEORGE'S SOIL CONSERVATION DISTRICT  
ENVIRONMENTAL SITE DESIGN APPROVAL  
GRADING, EROSION AND SEDIMENT CONTROL**

SSC#	218-18	10/08/2023
EXPIRATION DATE		
FOR APPROVAL SIGNATURE, SEE SHEET #9 (ESC-01)		
DISTRICT SIGNATURE	APPROVAL DATE	

**DESIGN TRAFFIC DATA**

ROADWAY	MOLLY BERRY ROAD	
CONTROLS / YEARS	2014	2034
AVERAGE DAILY TRAFFIC (A.D.T.)	557	825
% TRUCKS - A.D.T.	5%	5%
DESIGN SPEED M.P.H.	40 mph	
FUNCTIONAL CLASSIFICATION	RURAL LOCAL	
CONTROL OF ACCESS	NONE	
POSTED SPEED	30 mph	

**DATUM**

HORIZONTAL DATUM	NAD 83 /91
VERTICAL DATUM	NAVD 88

**OWNER'S/DEVELOPER'S/APPLICANT INFORMATION**

NAME: PRINCE GEORGE'S COUNTY GOVERNMENT  
ADDRESS: DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
INGLEWOOD CENTER 3  
9400 PEPPERCORN PLACE, SUITE 400  
LARGO, MD 20774  
REPRESENTATIVE: ERV T. BECKERT, P.E.  
CHIEF, HIGHWAY AND BRIDGE DESIGN DIVISION.  
PHONE: (301) 883-5642

**CERTIFICATE OF COMPLIANCE**

I CERTIFY THAT THESE PLANS REPRESENT A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THESE PLANS WERE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY DPW&T DESIGN MANUAL AND STANDARD SPECIFICATIONS AND OTHER JURISDICTIONAL FEDERAL AND STATE PERMITS.

SIGNATURE: [Signature] DATE: 10/20/2020  
NAME: DEGANG LI MD LICENSE NO.: 28888

NAME: STANTEC.  
ADDRESS: 610 FROST PLACE, LAUREL, MARYLAND 20707

**OWNERS / DEVELOPERS CERTIFICATION**

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I HEREBY AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT, COMPLIANCE INSPECTORS.

SIGNATURE: [Signature] DATE: 10/20/2020  
Erv T. Beckert, P.E.  
Chief, Highway and Bridge Design Division  
Office of Engineering and Project Management (OE&PM)  
Prince George's County Department of  
Public Works and Transportation (DPW&T)

**UTILITY CERTIFICATION**

I HEREBY CERTIFY THAT THE EXISTING AND/OR PROPOSED UNDERGROUND UTILITY INFORMATION SHOWN HEREON HAS BEEN CORRECTLY DUPLICATED FROM UTILITY COMPANY RECORDS. FURTHER, THAT THIS PROJECT HAS BEEN CAREFULLY COORDINATED WITH EACH INVOLVED UTILITY COMPANY AND ALL AVAILABLE UNDERGROUND UTILITY INFORMATION RELATIVE TO THE PLAN HAS BEEN SOLICITED FROM THEM.

SIGNATURE: [Signature] DATE: 10/20/2020

SCALE: AS SHOWN DWG. 1 OF 43

APPROVED 10/20/2020 DATE For Terry Bellamy, Director

DESIGNED: DL	CONTRACT NO.
DRAWN: VC	PROJECT NO.
CHECKED: PL	FILE NO.
APPROVED: [Signature] 10/20/2020 DATE	
Erv T. Beckert, P.E. Chief, Highway and Bridge Design Division	

DATE: 10/22/2020 FILE: N:\us0525-ppr\ss01\shared\_projects\20200314\24 Molly Berry Rd Bridge - Phase I\1700\_CADD\706\_Struct\TIT-TITLE\_SHEET.dgn

REMOVE AND DISPOSE OF EXISTING TRAFFIC BARRIER	
24 LF	STA. 105+28 TO STA. 105+53, LT
12 LF	STA. 105+53 TO STA. 105+64, RT
23 LF	STA. 105+94 TO STA. 106+17, LT
23 LF	STA. 106+03 TO STA. 106+25, RT

FULL-DEPTH ASPHALT MIX PAVEMENT	
234 SY	STA. 104+30.00 TO STA. 105+35.45 LT/RT
223 SY	STA. 106+19.69 TO STA. 107+20.00, LT/RT
98 SY	RESIDENTIAL DRIVEWAY

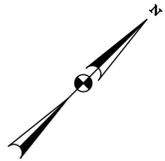
TRAFFIC BARRIER THRIE BEAM ANCHORAGE TO VERTICAL FACE (STEEL POST) (MD 605.41) (37.5 LF)	
1 EA	STA. 105+28.47, 14.00' LT
1 EA	STA. 106+25.00, 16.75' RT
1 EA	STA. 106+18.77, 14.53' LT

TYPE C TRAFFIC BARRIER END TREATMENT (MD 605.03) (50 LF)	
1 EA	STA. 104+39.15, 13.69' LT
1 EA	STA. 107+08.20, 14.91' LT
1 EA	STA. 108+12.50, 14.00' RT

CONCRETE BARRIER AT BRIDGE END (SEE SHEET S-18 FOR DETAIL)	
10 LF	RESIDENTIAL DRIVEWAY, STA. 105+39.56, 18.8' RT

GALVANIZED W BEAM TRAFFIC BARRIER USING 8-FT POSTS (MDSA STD. NO. 605.22)	
100 LF	STA. 106+62.50, 14.63' RT TO STA. 107+62.50, 14.00' RT

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
-	MD	SEE TITLE SHEET	5	43

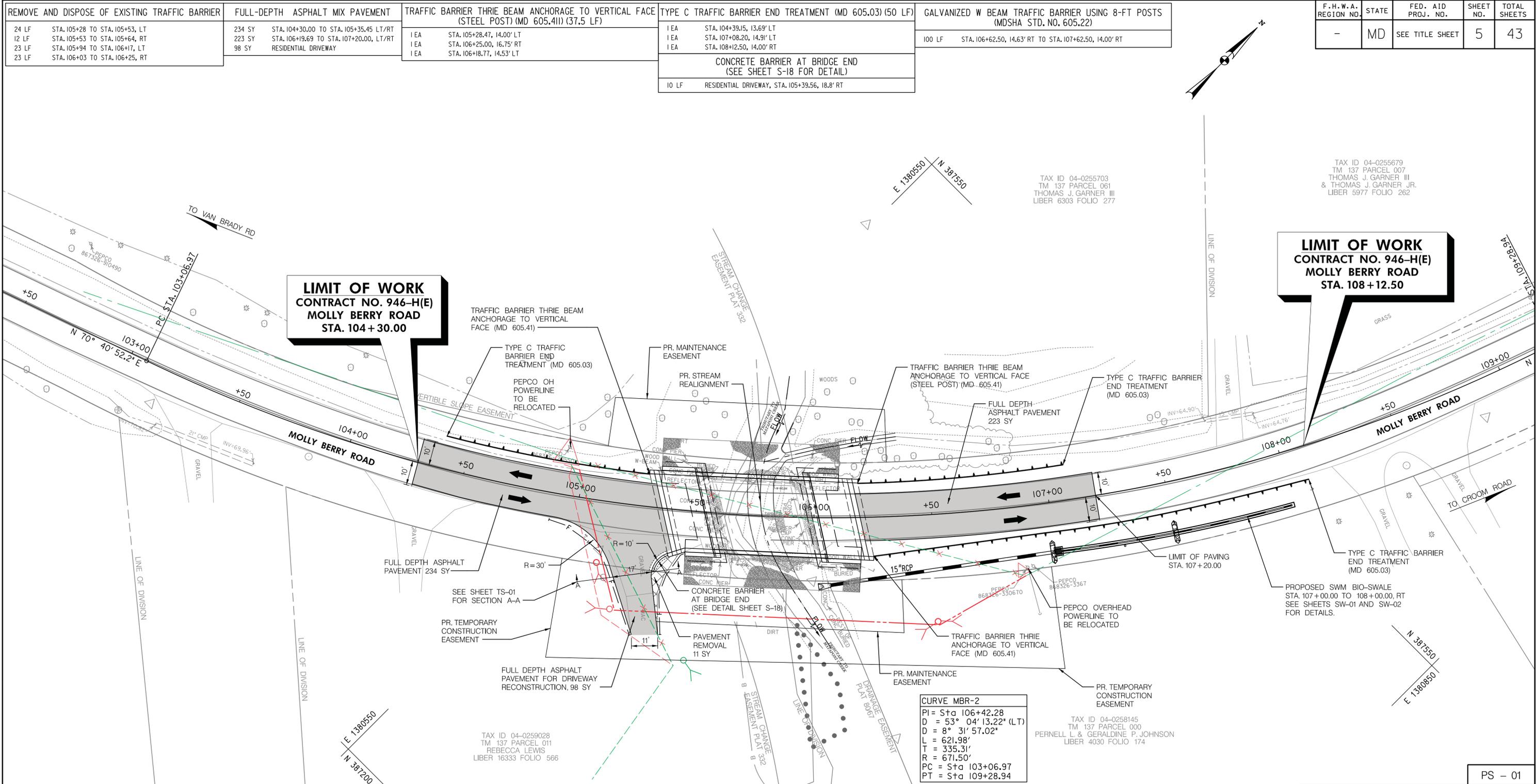


TAX ID 04-0255703  
 TM 137 PARCEL 061  
 THOMAS J. GARNER III  
 LIBER 6303 FOLIO 277

TAX ID 04-0255679  
 TM 137 PARCEL 007  
 THOMAS J. GARNER III  
 & THOMAS J. GARNER JR.  
 LIBER 5977 FOLIO 262

**LIMIT OF WORK  
 CONTRACT NO. 946-H(E)  
 MOLLY BERRY ROAD  
 STA. 104 + 30.00**

**LIMIT OF WORK  
 CONTRACT NO. 946-H(E)  
 MOLLY BERRY ROAD  
 STA. 108 + 12.50**



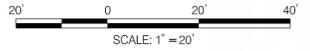
CURVE MBR-2	
PI = Sta	106+42.28
D =	53° 04' 13.22" (LT)
D =	8° 31' 57.02"
L =	621.98'
T =	335.31'
R =	671.50'
PC = Sta	103+06.97
PT = Sta	109+28.94

TAX ID 04-0258145  
 TM 137 PARCEL 000  
 PERNELL L. & GERALDINE P. JOHNSON  
 LIBER 4030 FOLIO 174

TAX ID 04-0259028  
 TM 137 PARCEL 011  
 REBECCA LEWIS  
 LIBER 16333 FOLIO 566

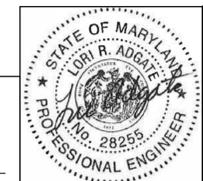
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 FILE: U:\2020\04\14\16 Molly Berry Road Bridge\100\_CADD\102\_Civil\pdp-P000\_MollyBerryRd.dgn

LEGEND	
	FULL DEPTH PAVEMENT
	PAVEMENT REMOVAL
	LIMITS OF FILL
	WETLAND BUFFER
	WETLAND BOUNDARY
	WATERS OF THE U.S.
	EXISTING PEPCO OVERHEAD LINES
	PROPOSED PEPCO OVERHEAD LINES



**Stantec**  
 610 FROST PLACE  
 LAUREL, MARYLAND 20707  
 (301) 962-2860  
 www.stantec.com

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 LICENSE NO: 28255      EXPIRATION DATE: 06-30-2020



REVISIONS	

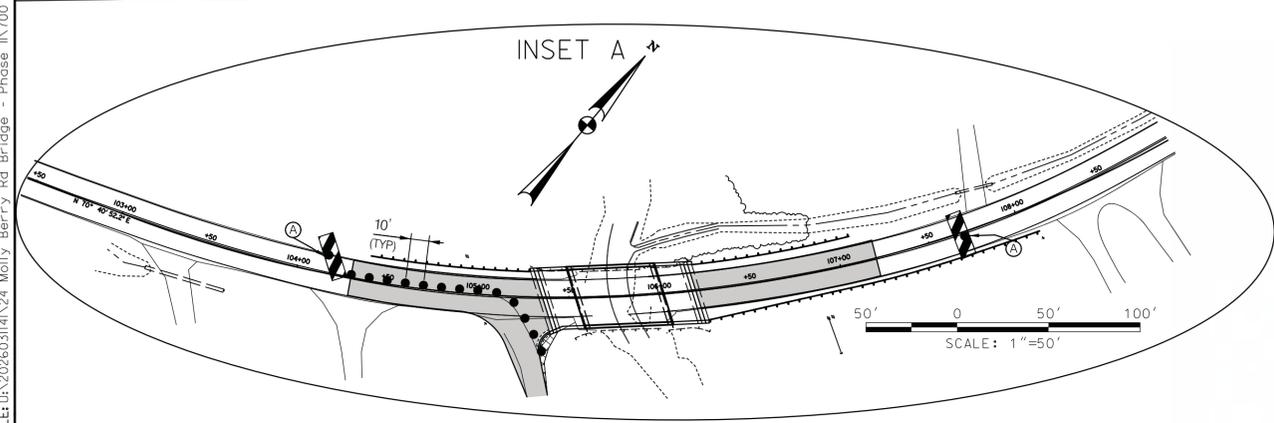
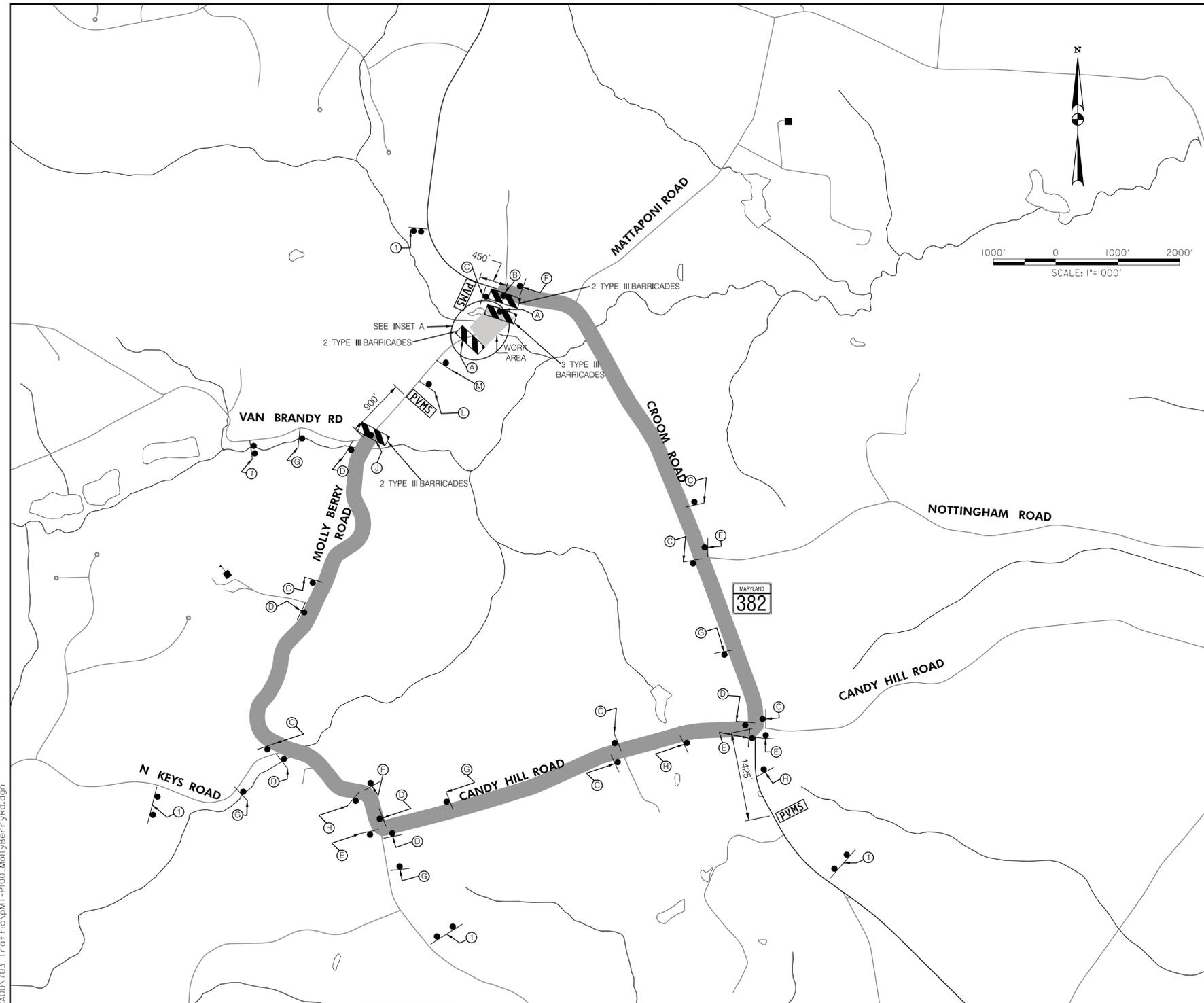
**DEPARTMENT OF PUBLIC WORKS  
 AND TRANSPORTATION**  
 PRINCE GEORGE'S COUNTY, MARYLAND

REPLACEMENT OF BRIDGE NO. P-0494  
 MOLLY BERRY ROAD OVER  
 TRIBUTARY TO MATAPONI CREEK

ROADWAY PLAN

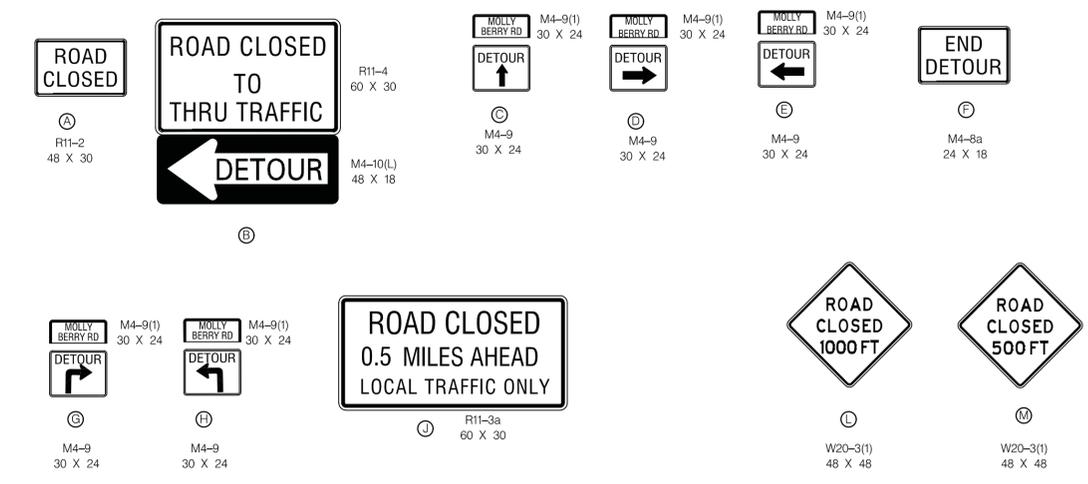
SCALE: 1" = 20'	DWG. 5 OF 43
APPROVED XX/XX/XXXX	TERRY BELLAMY, DIRECTOR, DPW&T
DESIGNED: LRA	CONTRACT NO. 946-H(E)
DRAWN: CSH	PROJECT NO.
CHECKED: KCW	FILE NO.
APPROVED: [Signature]	DATE

PS - 01

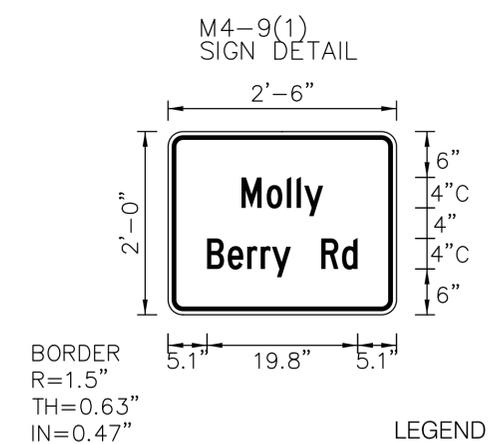


**GENERAL NOTES**

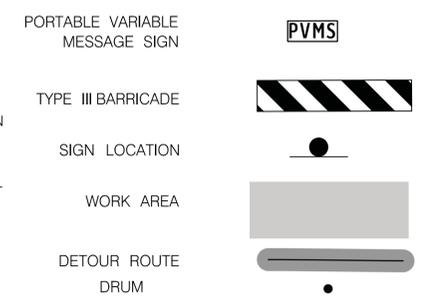
- TWO WEEKS PRIOR TO THE START OF CONSTRUCTION ALL PROPOSED PVMS'S SHALL BE PLACED IN ACCORDANCE WITH MD STD 104.01-22.
- FINAL VARIABLE MESSAGE SIGN(S) MESSAGES ARE TO BE DETERMINED BY THE PROJECT ENGINEER.
- PVMS SHALL BE REMOVED THE DAY OF CLOSURE.
- FIXED BARRICADES SHALL EXTEND THE FULL WIDTH OF THE ROADWAY CLOSURE POINTS AND SHALL HAVE FLASHING WARNING LIGHTS.
- TRAFFIC CONTROL DEVICES MUST BE IN COMPLIANCE WITH THE LATEST EDITION OF THE MDMUTCD AND THE MD SHA BOOK OF STANDARDS.
- ALL WARNING SIGNS NOT IN USE SHALL BE FULLY COVERED WITH OPAQUE MATERIAL.
- ACCESS TO THE DRIVEWAY SOUTH OF THE BRIDGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. TEMPORARY CLOSURE OF DRIVEWAY SHALL BE COORDINATED WITH THE PROJECT ENGINEER.



TEMPORARY TRAFFIC CONTROL SIGN TABLE		
MESSAGE	BACKGROUND	LEGEND
<p><b>NOTICE</b></p> <p>MOLLY BERRY ROAD CLOSED TO THRU TRAFFIC FOLLOW DETOUR</p>	<p><b>YELLOW</b></p> <p><b>WHITE</b></p> <p><b>ORANGE</b></p>	<p><b>BLACK</b></p> <p><b>BLACK</b></p> <p><b>BLACK</b></p>



DETOUR LENGTH APPROX 4.3 MILES  
DETOUR DURATION APPROX 11 MONTHS



MAINTENANCE OF TRAFFIC PLAN APPROVED CONTRACT # \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

TRAFFIC SAFETY DIVISION  
OFFICE OF ENGINEERING  
AND PROJECT MANAGEMENT  
DEPARTMENT OF PUBLIC WORKS  
AND TRANSPORTATION

MT - 01

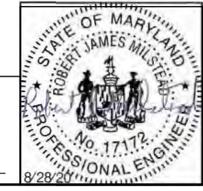
**DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND

REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK

DETOUR PLAN



PROFESSIONAL CERTIFICATION:  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO: 17172 EXPIRATION DATE: 12-12-2020

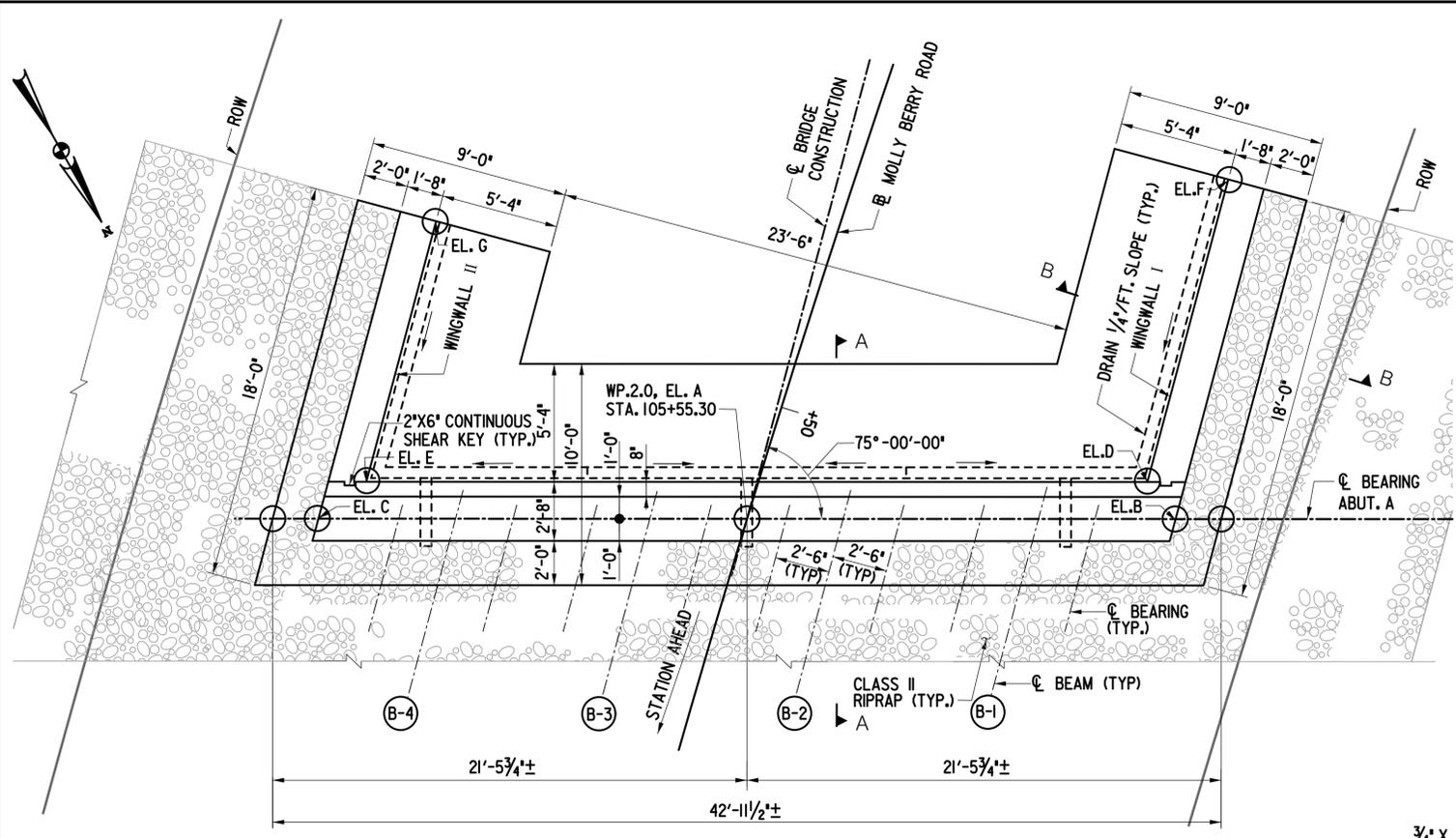


REVISIONS	

SCALE: AS SHOWN	DWG. 18 OF 43
APPROVED _____ DATE _____	TERRY BELLAMY, DIRECTOR, DPW&T
DESIGNED: RM	CONTRACT NO. 946-HEJ
DRAWN: PJ	PROJECT NO.
CHECKED: KW	FILE NO.
APPROVED: ERY T. BECKERT, P.E. DATE _____	CHEF, HIGHWAY AND BRIDGE DESIGN DIVISION

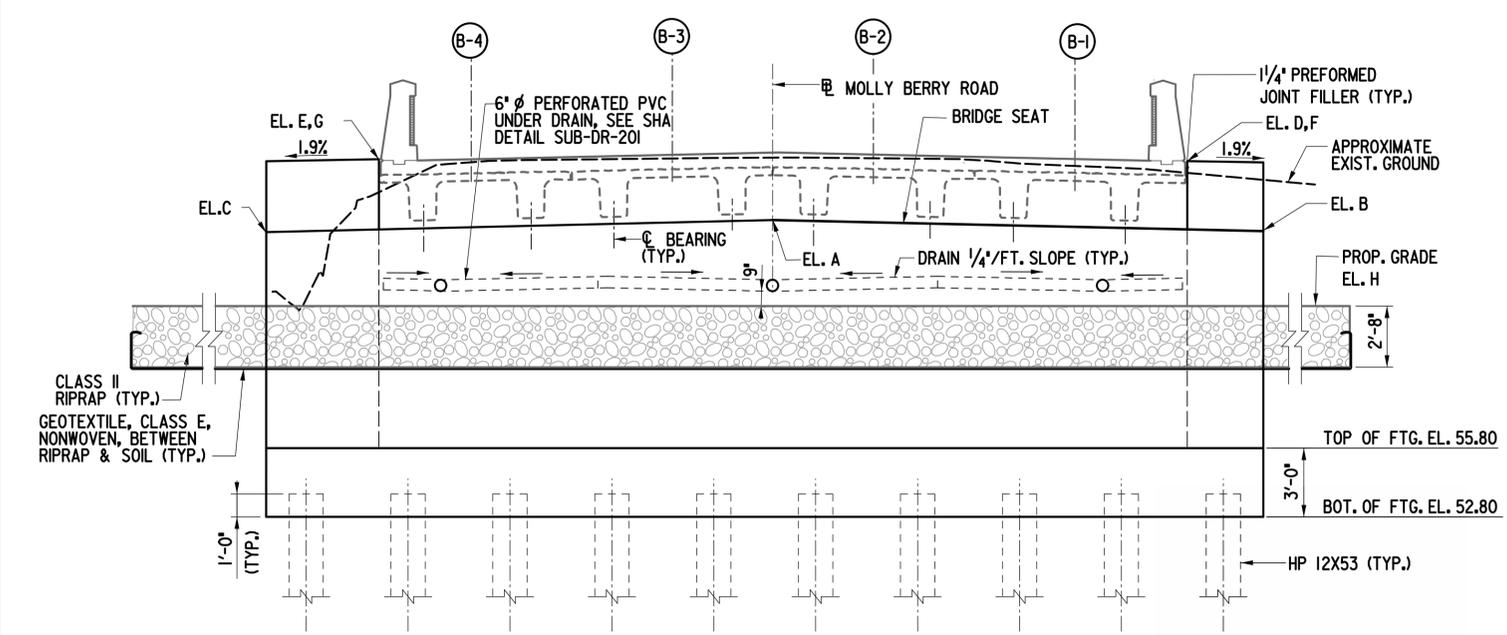
DATE: Friday, August 28, 2020 AT 04:44 PM  
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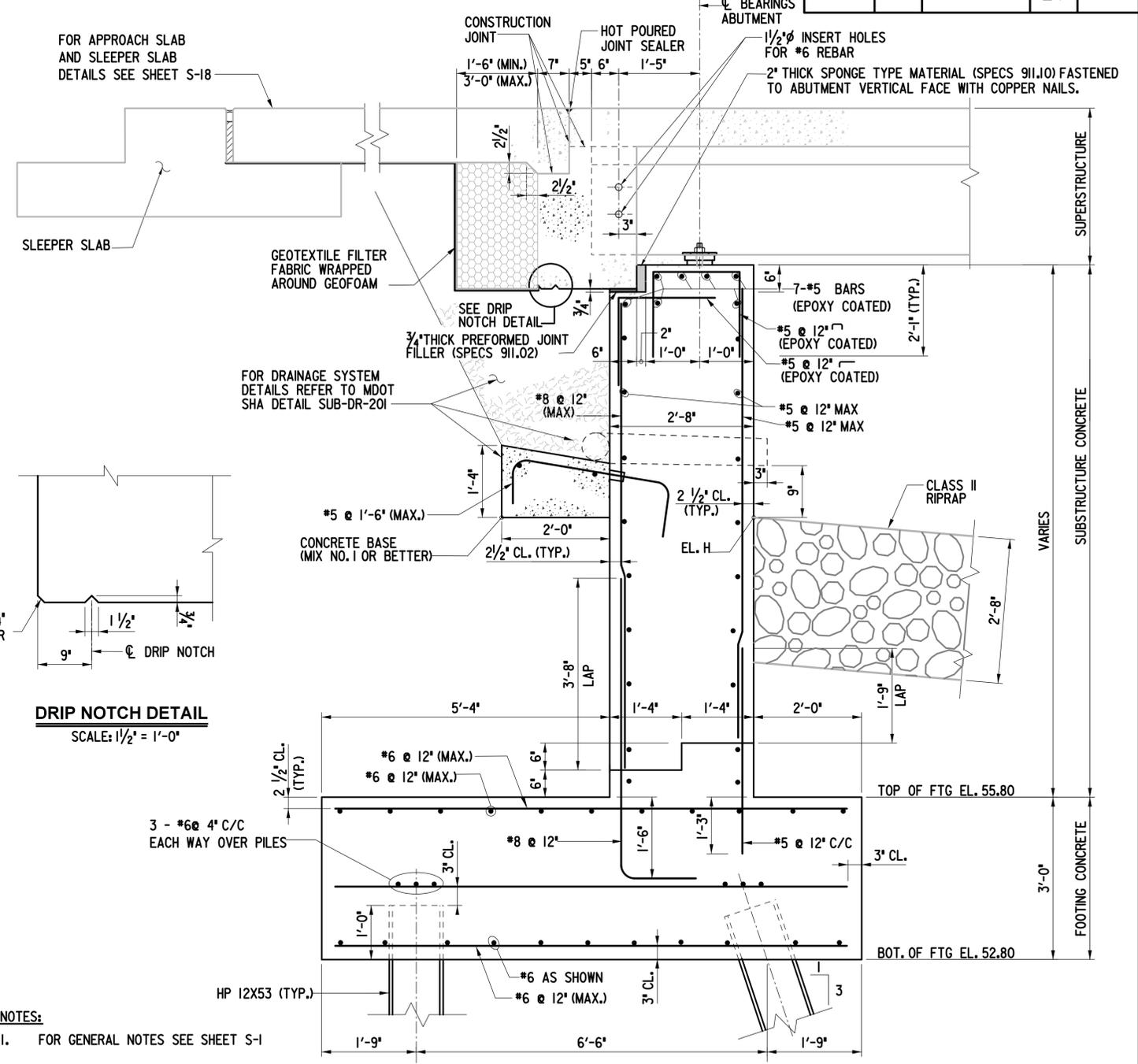


**ABUTMENT A - PLAN**  
SCALE: 1/4" = 1'-0"

LOCATION	A	B	C	D	E	F	G	H
ELEV.	65.65	65.30	65.27	68.52	68.50	68.56	68.53	63.00



**ABUTMENT A - ELEVATION**  
SCALE: 1/4" = 1'-0"



**SECTION A-A (ABUT. A & B)**  
SCALE: 3/4" = 1'-0"

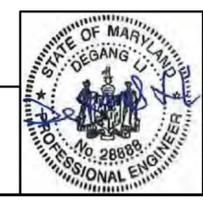
**NOTES:**

- FOR GENERAL NOTES SEE SHEET S-1
- FOR SECTION B-B SEE SHEET S-9.
- FOR BEAM BEARING DETAILS, SEE SHEET S-16
- THE EXPOSED CONCRETE SURFACE OF ABUTMENTS AND WINGWALLS SHALL RECEIVE EPOXY PROTECTIVE COATING PER SPECS. SECTION 464. ITS COST SHALL BE INCIDENTAL TO THE CONTRACT PRICE FOR PAY ITEM 'SUBSTRUCTURE CONCRETE'.
- TEMPORARY SHEETING/SHORING WILL BE NEEDED FOR THE FOOTING EXCAVATION. THE DESIGN OF TEMPORARY SHEETING/SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN SHALL BE PROVIDED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND AND BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL. TEMPORARY SHEETING / SHORING WILL NOT BE MEASURED BUT THE COST WILL BE INCIDENTAL TO PAY ITEM 'STRUCTURE EXCAVATION (CLASS 3)'.

S - 8

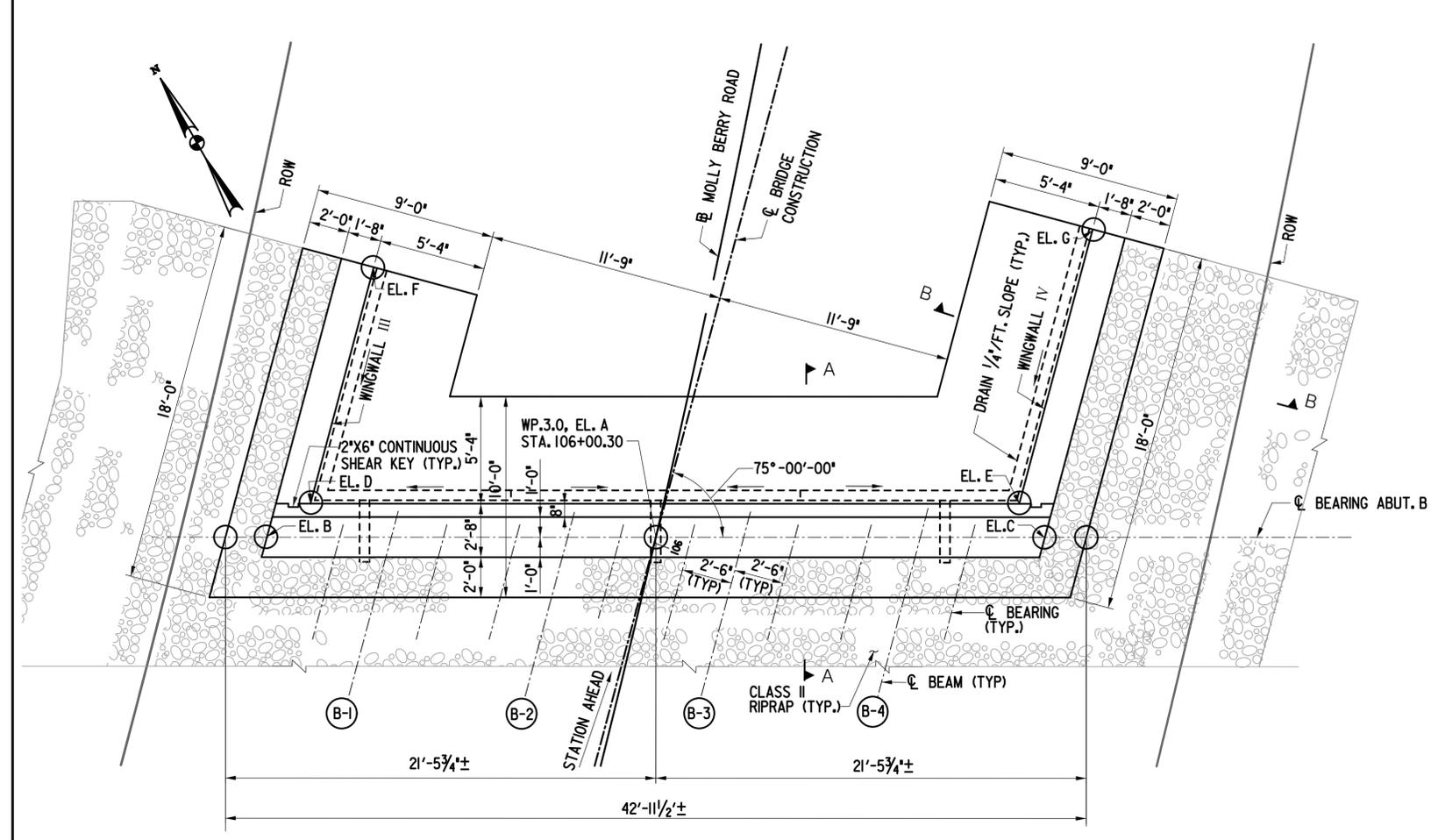
**DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND  
REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK  
**ABUTMENT A - PLAN, ELEVATION AND SECTION**

SCALE: AS SHOWN	DWG. 27 OF 43
APPROVED _____	Terry Bellamy, Director
DESIGNED: DL	CONTRACT NO.
DRAWN: VC	PROJECT NO.
CHECKED: WL	FILE NO.
APPROVED: Eric J. Becker, P.E. Chief, Highway and Bridge Design Division	DATE



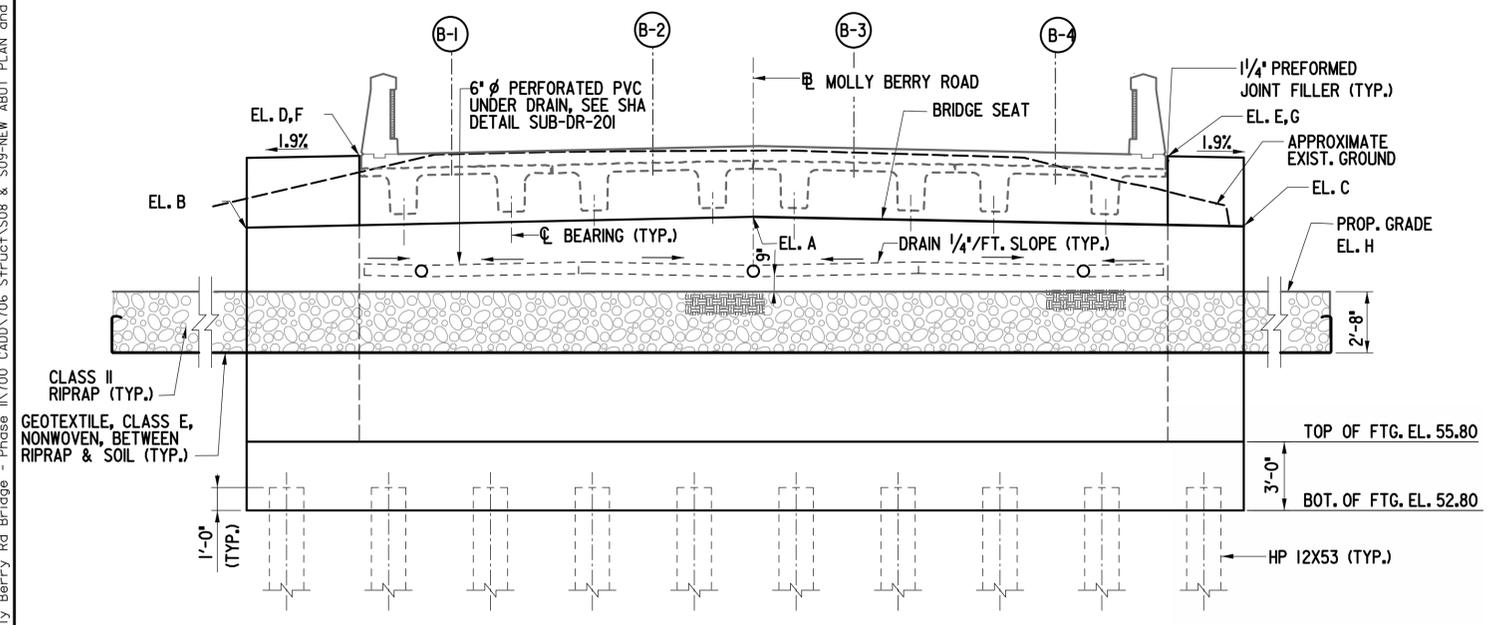
PROFESSIONAL CERTIFICATION:  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO.: 28888 EXPIRATION DATE: 06/20/2021

DATE: 6/17/2020 FILE: I:\2020\03\14\24 Molly Berry Rd Bridge - Phase I\700 CADD\706 Struct\508 & 509-NEW ABUT PLAN and ELEVATION.dgn

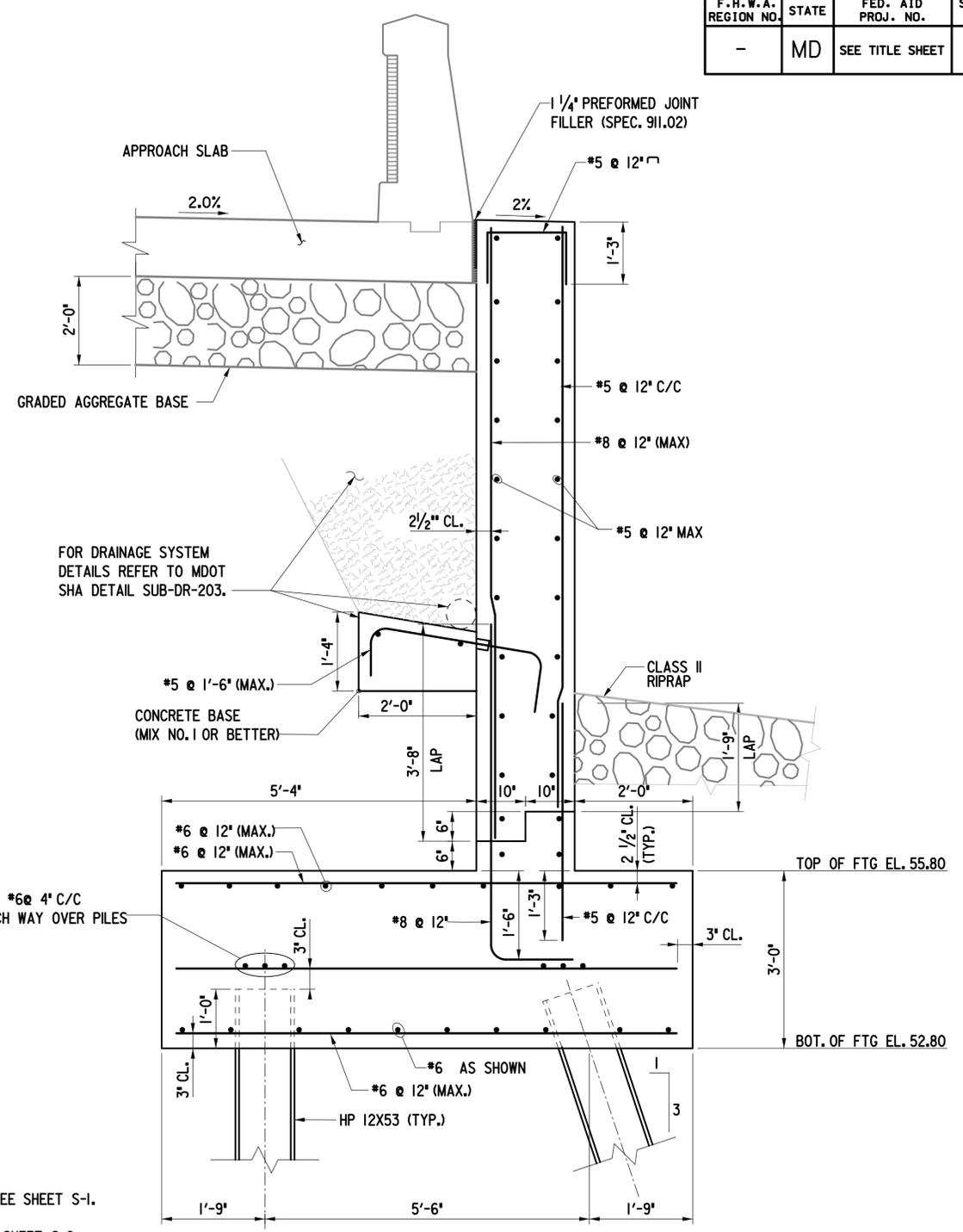


**ABUTMENT B - PLAN**  
SCALE: 1/4" = 1'-0"

LOCATION	A	B	C	D	E	F	G	H
ELEV.	65.65	65.28	65.26	68.38	68.35	68.34	68.31	62.00



**ABUTMENT B - ELEVATION**  
SCALE: 1/4" = 1'-0"



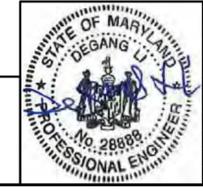
**SECTION B-B (WINGWALL I, II, III & IV)**  
SCALE: 3/4" = 1'-0"

**NOTES:**

- FOR GENERAL NOTES SEE SHEET S-1.
- FOR SECTION A-A SEE SHEET S-8.
- FOR BEAM BEARING DETAILS, SEE SHEET S-17.
- THE EXPOSED CONCRETE SURFACE OF ABUTMENTS AND WINGWALLS SHALL RECEIVE EPOXY PROTECTIVE COATING PER SPECS. SECTION 464. ITS COST SHALL BE INCIDENTAL TO THE CONTRACT PRICE FOR PAY ITEM "SUBSTRUCTURE CONCRETE".
- TEMPORARY SHEETING/SHORING WILL BE NEEDED FOR THE FOOTING EXCAVATION. THE DESIGN OF TEMPORARY SHEETING/SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN SHALL BE PROVIDED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND AND BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL. TEMPORARY SHEETING / SHORING WILL NOT BE MEASURED BUT THE COST WILL BE INCIDENTAL TO PAY ITEM "STRUCTURE EXCAVATION (CLASS 3)".

S - 9

**DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND  
REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK  
**ABUTMENT B - PLAN, ELEVATION AND SECTION**



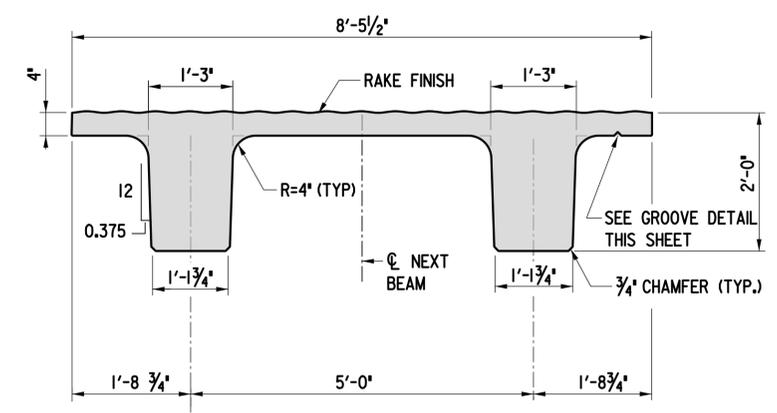
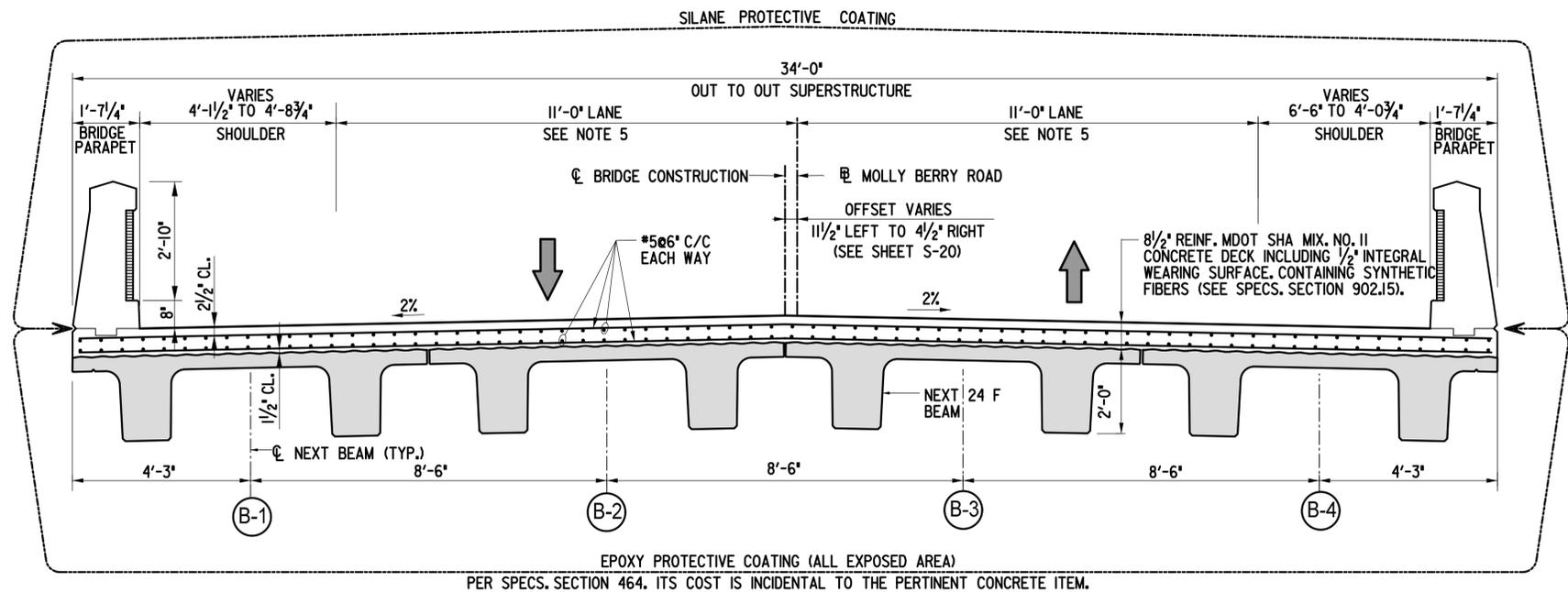
REVISIONS	

SCALE: AS SHOWN	DWG. 28 OF 43
APPROVED _____	Terry Bellamy, Director
DESIGNED: DL	CONTRACT NO.
DRAWN: VC	PROJECT NO.
CHECKED: WL	FILE NO.
APPROVED: Terry J. Becker, P.E.	DATE
Chief, Highway and Bridge Design Division	

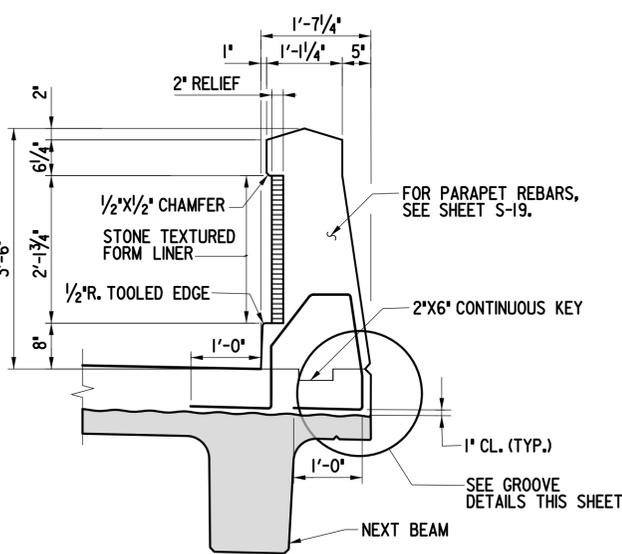


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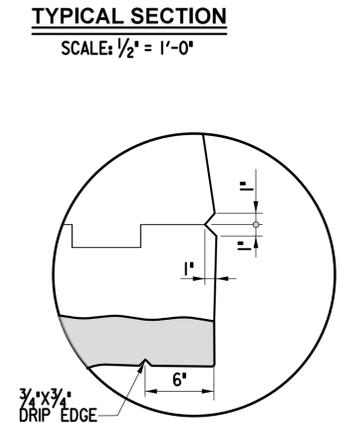
DATE: 07/17/2020 FILE: I:\2020\03\14\24 Molly Berry Rd Bridge - Phase II\700 CADD\706 Struct\AS08 & S09-NEW ABUT PLAN and ELEVATION.dgn



**SECTION DIMENSIONS**  
SCALE: 1" = 1'-0"

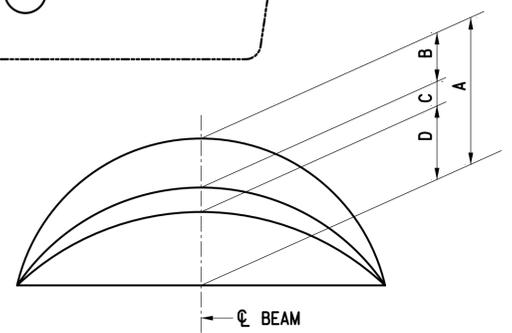


**BRIDGE PARAPET**  
(PARAPET REBARS/ DECK REBARS NOT SHOWN)  
SCALE: 3/4" = 1'-0"



**TYPICAL SECTION**  
SCALE: 1/2" = 1'-0"

**GROOVE DETAILS**  
(DRIP EDGE IN EXTERIOR FLANGE OF EXTERIOR BEAM ONLY)  
SCALE: 1/2" = 1'-0"



**CAMBER DIAGRAM**  
SCALE: NTS

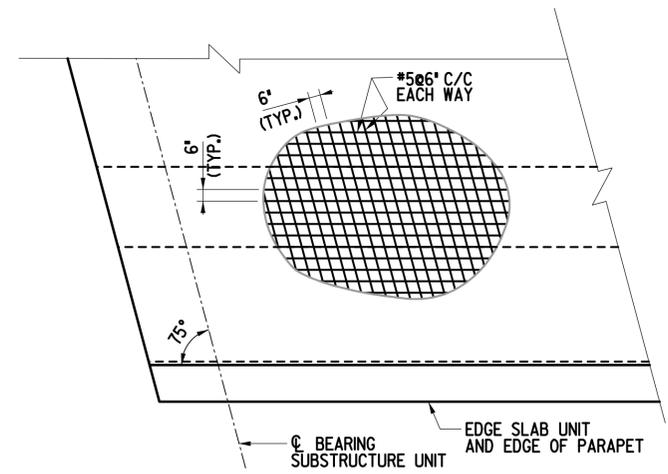
**CAMBER NOTES:**

CAMBER DUE TO PRESTRESS PLUS SLAB DEAD LOAD TO BE CHECKED IN THE FIELD.

THE THICKNESS OF THE CONCRETE DECK SHALL BE VARIED TO COMPENSATE FOR ANY INACCURACIES IN THE CAMBER OF SLABS.

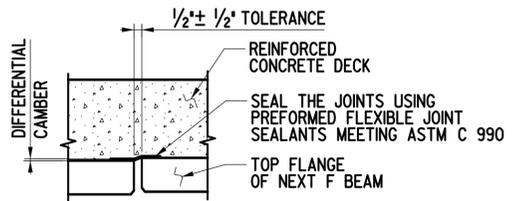
PRESTRESS CAMBER AND DEAD LOAD DEFLECTION DATA SHOWN IS THEORETICAL AND MAY VARY WITH CONCRETE STRENGTH, VARIABLE PRESTRESSING CONDITIONS AND PRESTRESS LOSSES.

CAMBER IN SLAB WILL INCREASE DUE TO CONCRETE CREEP DURING STORAGE. PRECAUTIONS SHALL BE TAKEN BY LOADING OR OTHER MEANS TO PREVENT ADDITIONAL CAMBER FROM DEVELOPING DURING STORAGE OF PRESTRESSED SLABS.



**PARTIAL DECK PLAN**  
SCALE: 1/4" = 1'-0"

- NOTES:**
- THE ACTUAL WIDTH OF THE BEAM TAKES INTO ACCOUNT A NOMINAL 1/2" WIDE GAP BETWEEN BEAMS TO ACCOUNT FOR TOLERANCES. THE SPACING OF BEAMS ON A TYPICAL BRIDGE SHALL BE AT THE NOMINAL SPACING (EX.: BEAM SPACING = 8'-6" FOR THE 8'-5 1/2" SECTION).
  - THE STEM WIDTH AND SPACING ARE FIXED.
  - THE END OF THE BEAMS SHOULD BE SKEWED FOR SKEWED BRIDGES. THE ACUTE CORNERS OF THE FLANGE OVERHANG SHOULD BE CHAMFERED 6"x6" IN ORDER TO MINIMIZE CASTING AND HANDLING DAMAGE.
  - NO SPECIAL DECK POURING SEQUENCE IS REQUIRED. THE ENTIRE BRIDGE DECK CAN BE PLACED IN ONE CONTINUOUS POUR.
  - THE ROADWAY LANE WIDTH IS 10'-0". THE LANE WIDTH TRANSITIONS FROM 10'-0" TO 11'-0" ON BRIDGE APPROACH SLAB AND SLEEPER SLAB.



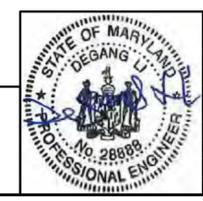
**GAP FORM DETAILS**  
SCALE: 1/2" = 1'-0"

- A = 1 3/8" ESTIMATE CAMBER DUE TO PRESTRESS (INCH)  
 B = 1/2" DEFLECTION DUE TO DEAD LOAD OF PRESTRESSED BEAM (INCH)  
 C = 3/8" DEFLECTION DUE TO DEAD LOAD OF CAST-IN-PLACE CONCRETE DECK, AND CONCRETE PARAPET (INCH)  
 D = 1/2" NET FINAL CAMBER (INCH)

DATE: 8/26/2020 FILE: \\us0525-ppr\share\projects\202603\14124\_Molly\_Berry\_Rd\_Bridge - Phase II\700\_CADD\706\_Struct\SII - TYPICAL\_SECTION.dgn

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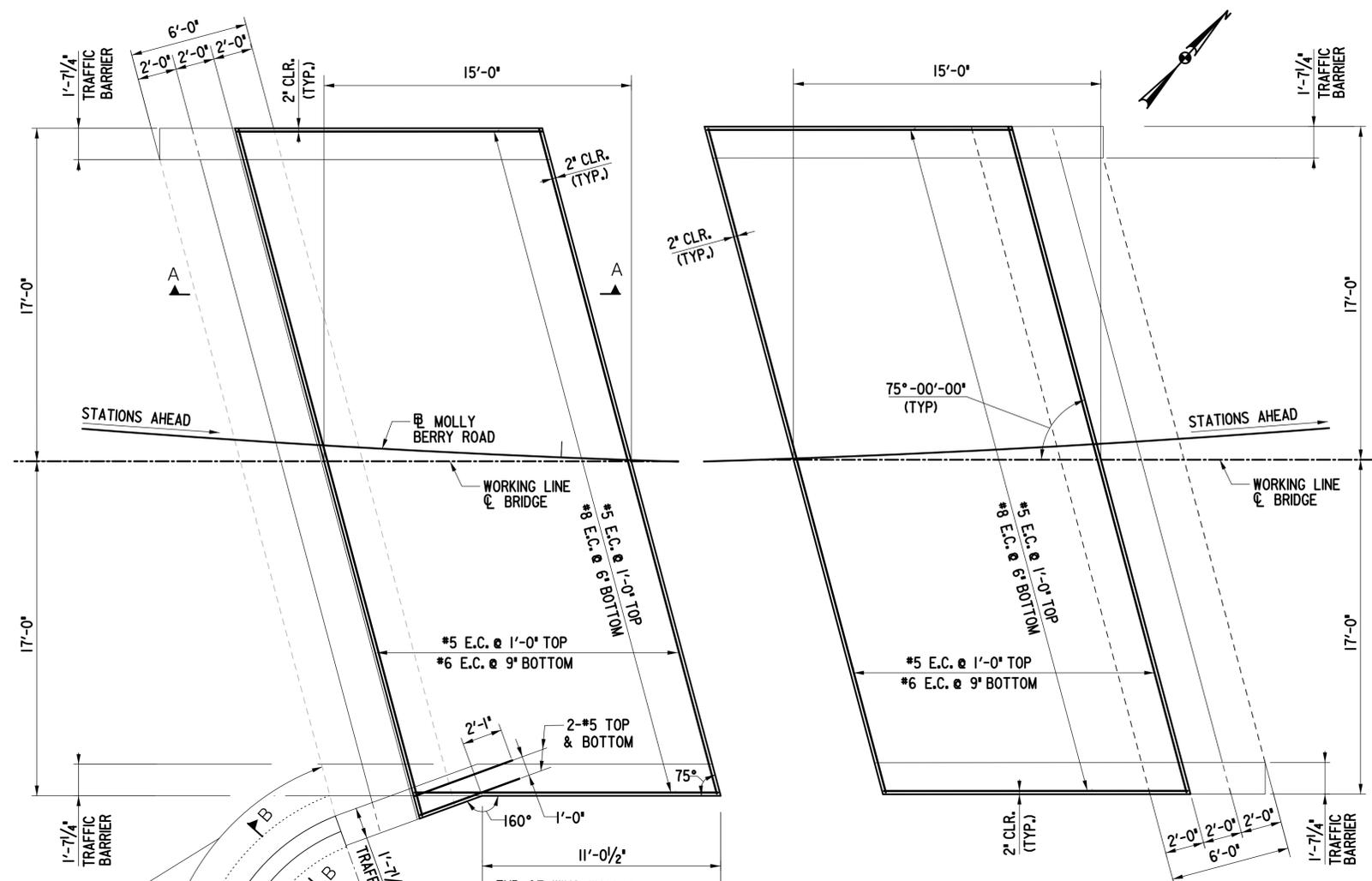
REVISIONS	

**DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND  
REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK  
SUPERSTRUCTURE TYPICAL SECTION

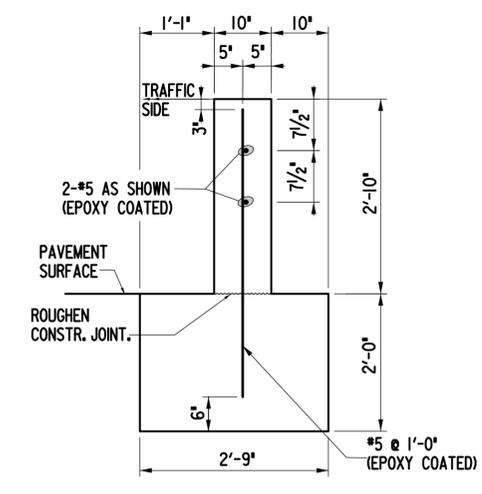
SCALE: AS SHOWN DWG. 30 OF 43

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_ Terry Bellamy, Director

DESIGNED: DL	CONTRACT NO.
DRAWN: VC	PROJECT NO.
CHECKED: WL	FILE NO.
APPROVED: _____ DATE: _____ Eric J. Becker, P.E., Chief, Highway and Bridge Design Division	



**TYPICAL APPROACH SLAB**  
SCALE: 1/4" = 1'-0"  
(FOR TRAFFIC BARRIER DETAILS, SEE SHEET S-19)

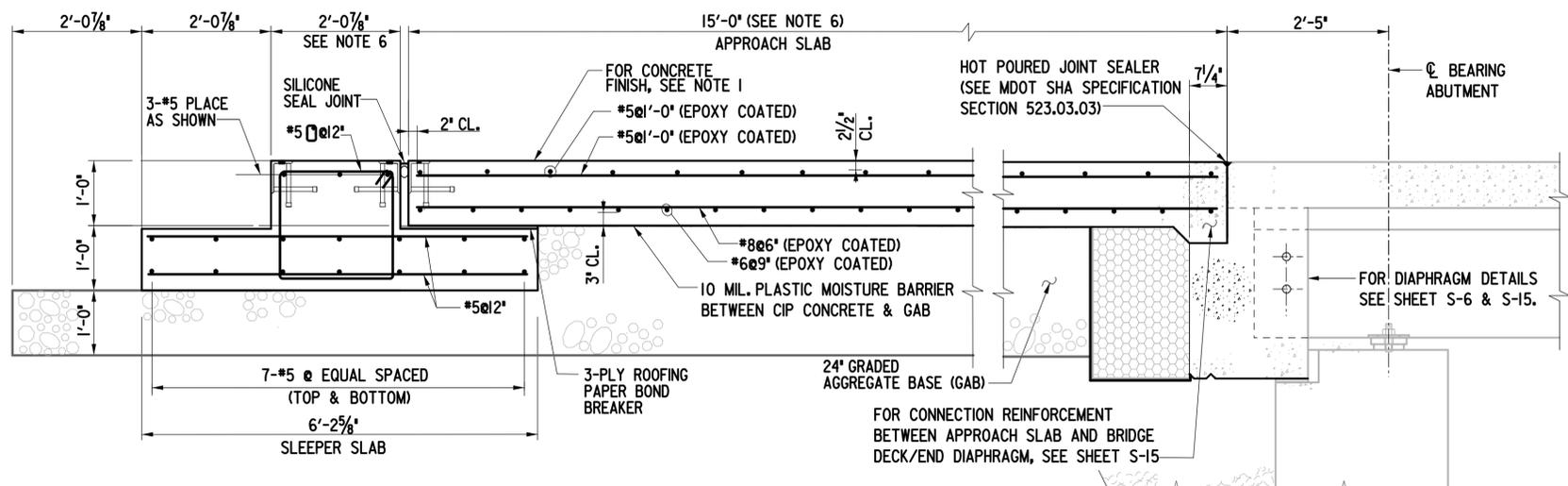


**SECTION B-B**  
SCALE: 3/4" = 1'-0"  
(COST WILL BE PAID FOR UNDER THE PAY ITEM \*CONCRETE BARRIER AT BRIDGE END\*.)

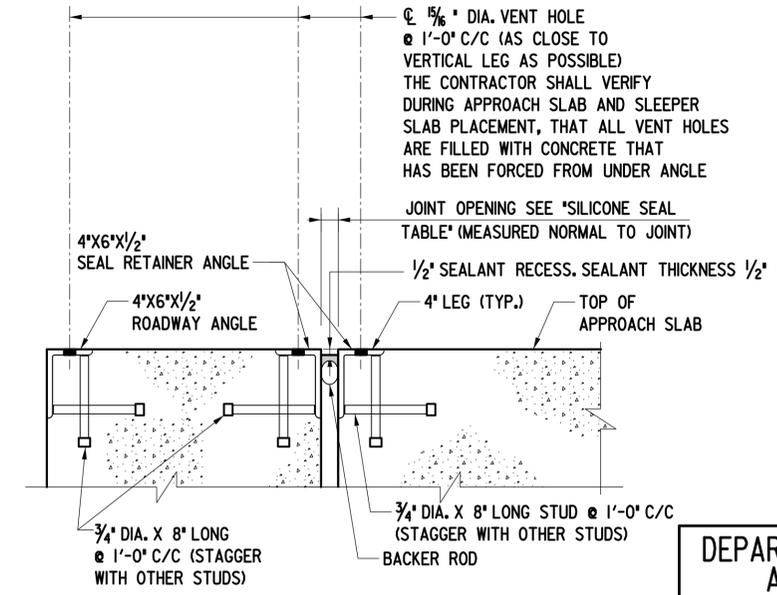
- NOTES FOR APPROACH SLAB:**
- FOR CONCRETE FINISH, SEE MDOT SHA SPECIFICATION SECTION 420.03.07, FINISHING CONCRETE SURFACES. PAY PARTICULAR ATTENTION TO ITEM 420.03.07(d.i), SLAB GROOVING.
  - ANY DAMAGE TO THE EPOXY COATING ON THE BARS AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED USING A FIELD TOUCH UP KIT.
  - CONCRETE FOR APPROACH SLAB SHALL BE MIX NO. II.
  - THE APPROACH SLAB BASE SHALL BE GRADED AGGREGATE IN CONFORMANCE WITH SHA SPECIFICATIONS SECTION 501.
  - THE GRADED AGGREGATE BASE OF APPROACH SLAB WILL NOT BE MEASURED FOR PAYMENT. ITS COST SHALL BE CONSIDERED AS INCIDENTAL TO THE APPROACH SLAB.
  - THE ROADWAY CONCRETE EXPOSED SURFACE SHALL RECEIVE SILANE PROTECTIVE COATING.

- NOTES FOR ROADWAY ANGLES:**
- ROADWAY JOINT ANGLES SHALL RECEIVE COATING SYSTEM B PER SPECS 912.05. THE COLOR OF THE FINISH COAT SHALL CONFORM TO AMS-STD-595A, COLOR NO. 26440

JOINT OPENING		JOINT OPENING @						
MINIMUM	MAXIMUM	40°F	50°F	60°F	70°F	80°F	90°F	100°F
1/2"	1 1/2"	1 3/8"	1 1/8"	1 1/8"	1"	5/8"	7/8"	1 1/8"



**SECTION A-A**  
SCALE: 3/4" = 1'-0"



**SILICONE SEAL JOINT DETAILS**  
SCALE: 3/4" = 1'-0"

**DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND  
REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK  
**APPROACH SLAB DETAILS**

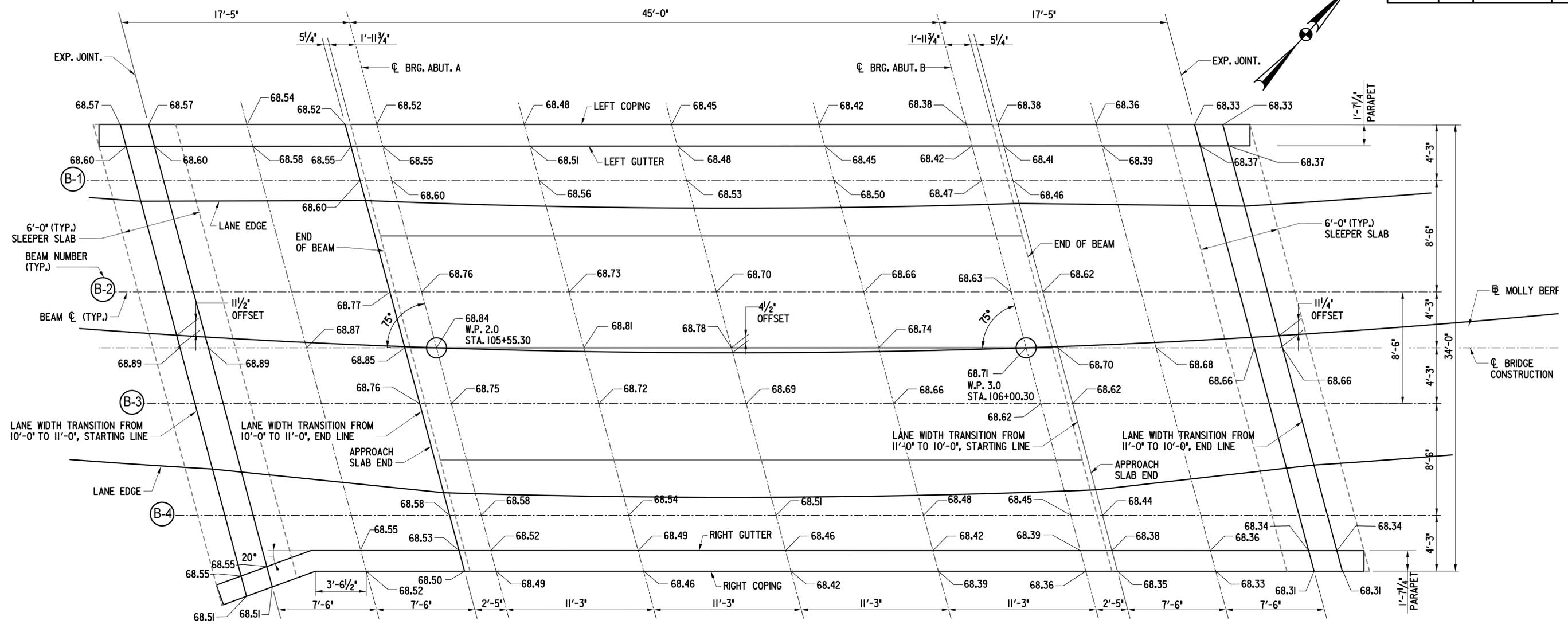
REVISIONS		SCALE: AS SHOWN	DWG. 37 OF 43
APPROVED	DATE	Terry Bellamy, Director	
DESIGNED: DL		CONTRACT NO.	
DRAWN: VC		PROJECT NO.	
CHECKED: WL		FILE NO.	
APPROVED: Eric J. Becker, P.E.	DATE	-	
Chief, Highway and Bridge Design Division			



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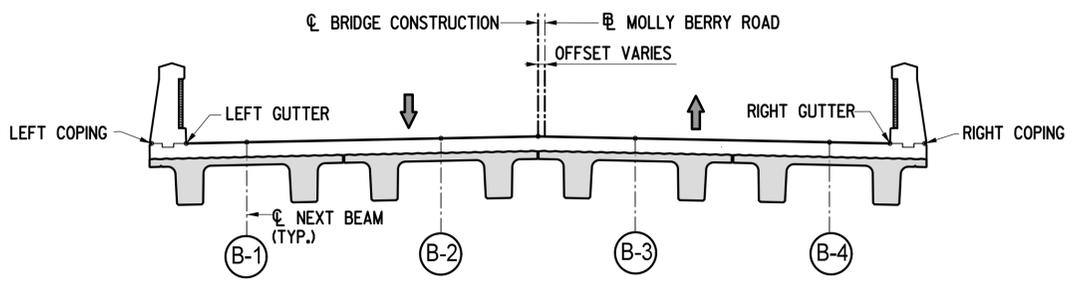


DATE: 06/20/2020 FILE: U:\20260314\24 Molly Berry Rd Bridge - Phase II\700 CADD\706 Structure\S18-Approach Slab.dgn



**BEAM LAYOUT**  
SCALE: 1/4" = 1'-0"

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET S-1.
  - FOR GENERAL PLAN AND ELEVATION, SEE SHEET S-3.
  - FOR NEXT BEAM DETAILS, SEE SHEET S-13 & S-14.
  - FOR ROADWAY PROFILE, SEE SHEET PR-1



**TYPICAL SECTION**  
SCALE: 1/4" = 1'-0"

S - 20

**DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION**  
PRINCE GEORGE'S COUNTY, MARYLAND  
REPLACEMENT OF BRIDGE NO. P-0494  
MOLLY BERRY ROAD OVER  
TRIBUTARY TO MATAPONI CREEK  
**FINISHED DECK ELEVATIONS**



REVISIONS	

SCALE: AS SHOWN	DWG. 39 OF 43
APPROVED _____	Terry Bellamy, Director
DESIGNED: DL	CONTRACT NO.
DRAWN: VC	PROJECT NO.
CHECKED: WL	FILE NO.
APPROVED: Terry J. Becker, P.E., Chief, Highway and Bridge Design Division	DATE



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LICENSE NO.: 28888 EXPIRATION DATE: 06/20/2021

DATE: 9/14/2020 FILE: \\us02c5-pp-fss01\shared\_projects\20260314\124\_Molly\_Berry\_Rd\_Bridge - Phase II\700\_CADD\706\_Struct\520-DECK\_ELEV.dgn