

INDEX OF SHEETS

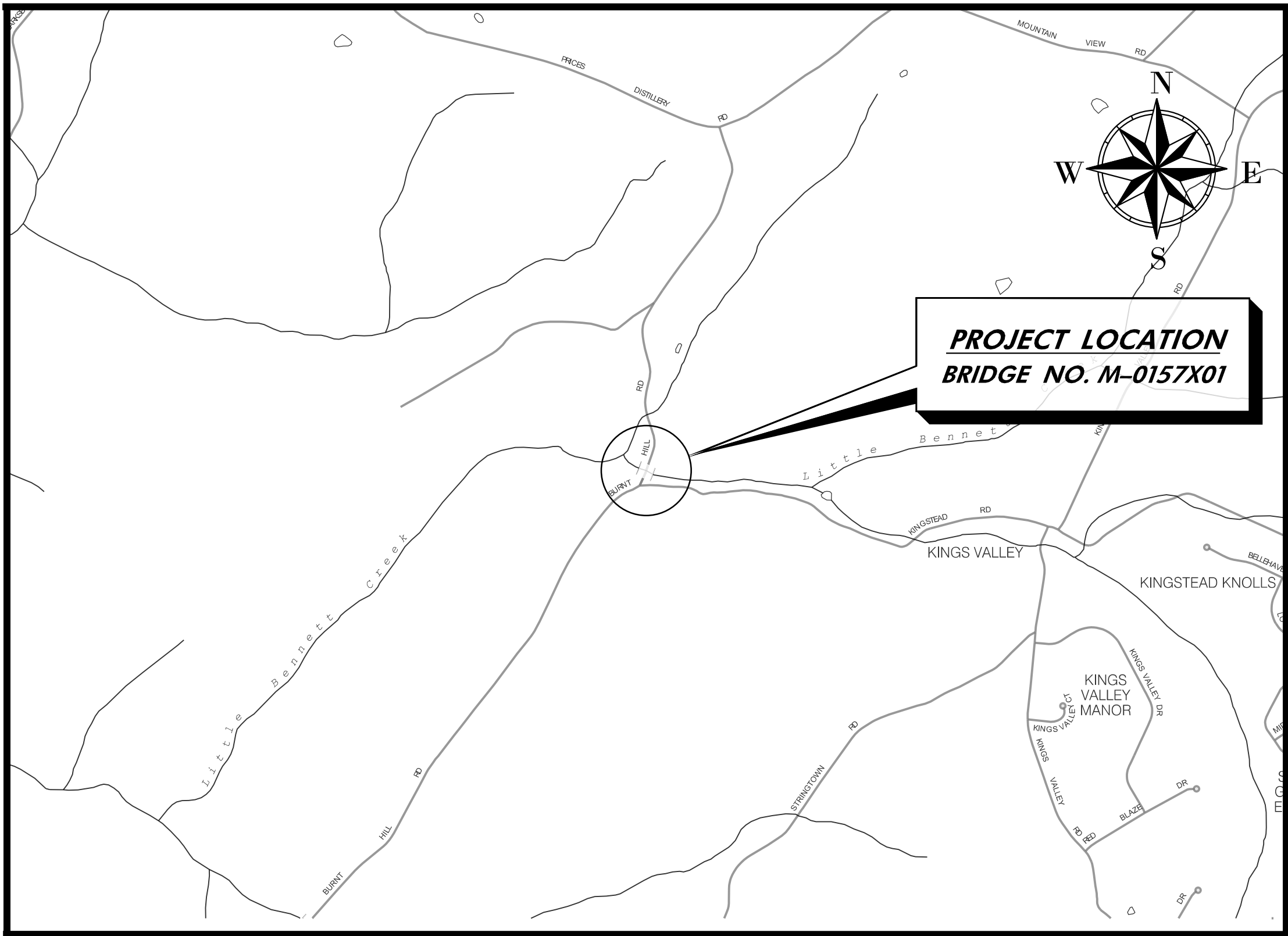
NO.	SHEET NO.	TITLE
1	T-1	TITLE SHEET
2	TS-01	TYPICAL SECTIONS & DETAILS
3	EX-01	EXISTING CONDITIONS & GEOMETRIC LAYOUT
4	PS-01	ROADWAY PLAN
5	PR-01	ROADWAY PROFILE
6	MT-01	MAINTENANCE OF TRAFFIC NOTES
7	MT-02	DETOUR PLAN
8	S-1	PLAN AND ELEVATION (EXISTING BRIDGE)
9	S-2	PLAN, ELEVATION AND GENERAL NOTES
10	S-3	ABUTMENT AND TYPICAL SECTION

MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
REPLACEMENT OF BRIDGE NO. M-0157X01  
BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK  
C. I. P. PROJECT NO. 509132

RELATED REQUIRED PERMITS					
IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF APPROVED SEDIMENT CONTROL PERMIT:					
TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	NOTES
MDPS Floodplain District	X				
WATERWAYS/WETLAND(S):					
a. Corps of Engineers	X				
b. MDE	X				
c. MDE Water Quality Certification		X			
MDE Dam Safety		X			
N.P.D.E.S. NOTICE OF INTENT		X			
DNR Roadside Tree Permit	X				
MDPS Roadside Tree Plan	X				
MDCPPC FCP Exemption	X				
MDPS Erosion and Sediment Control	X				
OWNER/PERMIT APPLICANT INFORMATION					
NAME: MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION					
ADDRESS: 100 EDISON PARK DRIVE, 4TH FLOOR, GAITHERSBURG, MD 20878					
PHONE NUMBER: (240) 777-7220					
CONTACT PERSON: TIMOTHY H. CUPPLES					

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH MARYLAND DOT SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS DATED JULY 2022, INCLUDING REVISIONS THEREOF AND ADDITIONS THERETO AND SPECIAL PROVISIONS, BOOK OF STANDARDS FOR HIGHWAYS, INCIDENTAL STRUCTURES AND TRAFFIC CONTROL APPLICATIONS, MONTGOMERY COUNTY DOT DESIGN STANDARDS, AND 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- THE EXISTING UTILITIES AND OBSTRUCTION SHOWN ARE FROM THE AVAILABLE RECORDS AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE USED BY THE CONTRACTOR TO PROTECT EXISTING UTILITIES, AND ANY DAMAGE TO THE UTILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR IN COORDINATION WITH THE UTILITY OWNER AT NO COST TO THE COUNTY.
- CLEARING IS TO BE LIMITED TO THE "LOD" AS SHOWN ON THE PLANS.
- ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS SHALL BE SODDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
- 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 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.
- ACCESS TO ADJACENT EXISTING HOMES' ENTRANCE SHALL BE MAINTAINED DURING CONSTRUCTION.



VICINITY MAP

OWNER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL 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 DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

DATE  
TIMOTHY H. CUPPLES  
CHIEF, DIVISION OF  
TRANSPORTATION ENGINEERING

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED AUGUST 1988.

XX/XX/XXXX  
DATE  
PRINTED NAME:  
MD. REGISTRATION NO.:

DESIGN TRAFFIC DATA		
ROADWAY	BURNT HILL ROAD	
CONTROLS / YEARS	2022	2043
AVERAGE DAILY TRAFFIC (A.D.T.)	830	920
% TRUCKS - A.D.T.	4%	4%
DESIGN SPEED M.P.H.	35 mph	
FUNCTIONAL CLASSIFICATION	RUSTIC ROAD	
CONTROL OF ACCESS	NONE	
POSTED SPEED	40 mph	
POSTED ADVISORY SPEED	35 mph	

TS&L PLAN SUBMISSION  
MAY 19, 2023


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. \_XXXXX\_ EXPIRATION DATE XX/XX/XXXX

DATUM

HORIZONTAL DATUM	NAD 83 /91
VERTICAL DATUM	NAVD 88

T-1

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND			OWNER/CONTACT/ADDRESS: MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION 100 EDISON PARK DRIVE GAITHERSBURG, MD 20878 240-777-7221		
RECOMMENDED FOR APPROVAL			<div> <b>Stantec</b></div> <div>STANTEC, 6110 FROST PLACE, LAUREL, MARYLAND 20707 (240) 542-3112 www.stantec.com</div>		
Chief, Design Section		Date			
Chief, Division of Transportation Engineering		Date			
Designed by : <u>GF</u> Drawn by : <u>GF</u> Checked by : <u>BP</u>			Project No. : <u>509132</u> SHEET <u>1</u> of <u>10</u>		

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## PROFESSIONAL CERTIFICATION

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LICENSE NO. XXXXX EXPIRATION DATE XX-XX-202X



OWNER/ADDRESS:  
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100 EDISON PARK DRIVE  
GAITHERSBURG, MARYLAND

CONTACT:  
DIVISION OF TRANSPORTATION ENGINEERING  
CONSTRUCTION SECTION  
240-777-7210  
DESIGN SECTION  
240-777-7221

NO.	REVISION	DATE	BY	

MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section  
APPROVED

Date

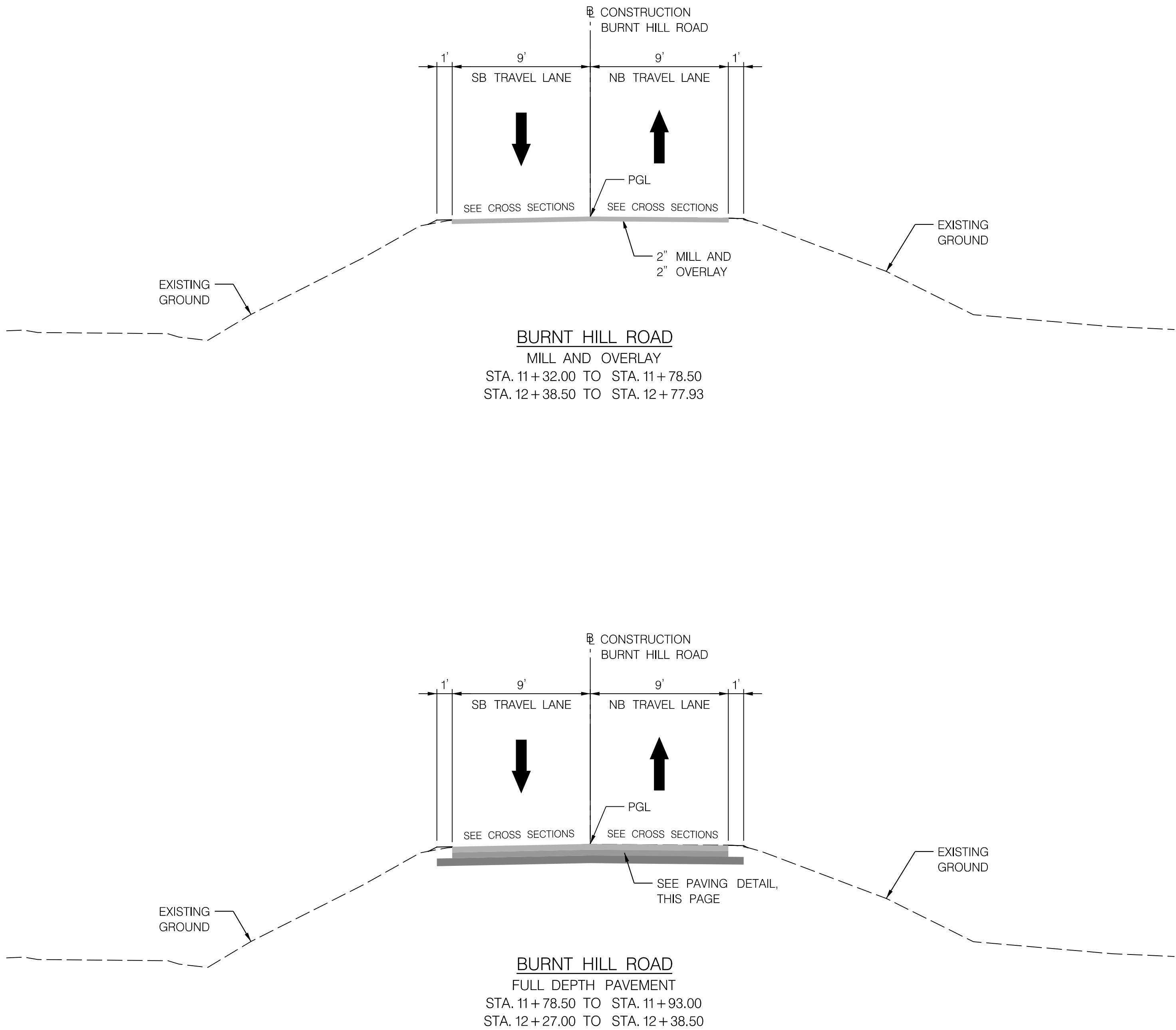
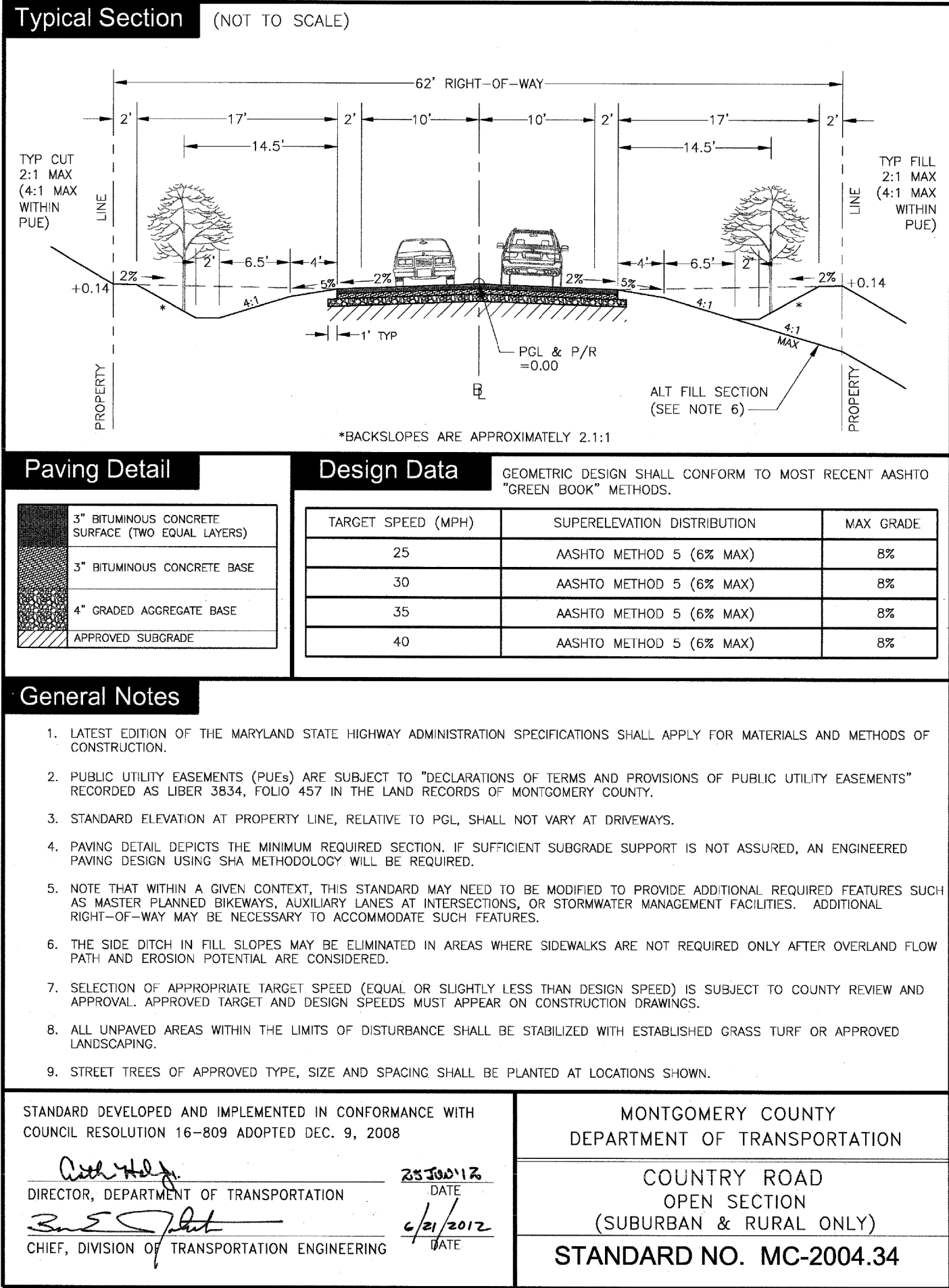
Chief, Division of Transportation Engineering

Date

Designed by: Drawn by: Checked by:

REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK  
TYPICAL SECTIONS & DETAILS

Project No. : 509132 SHEET 2 of 10



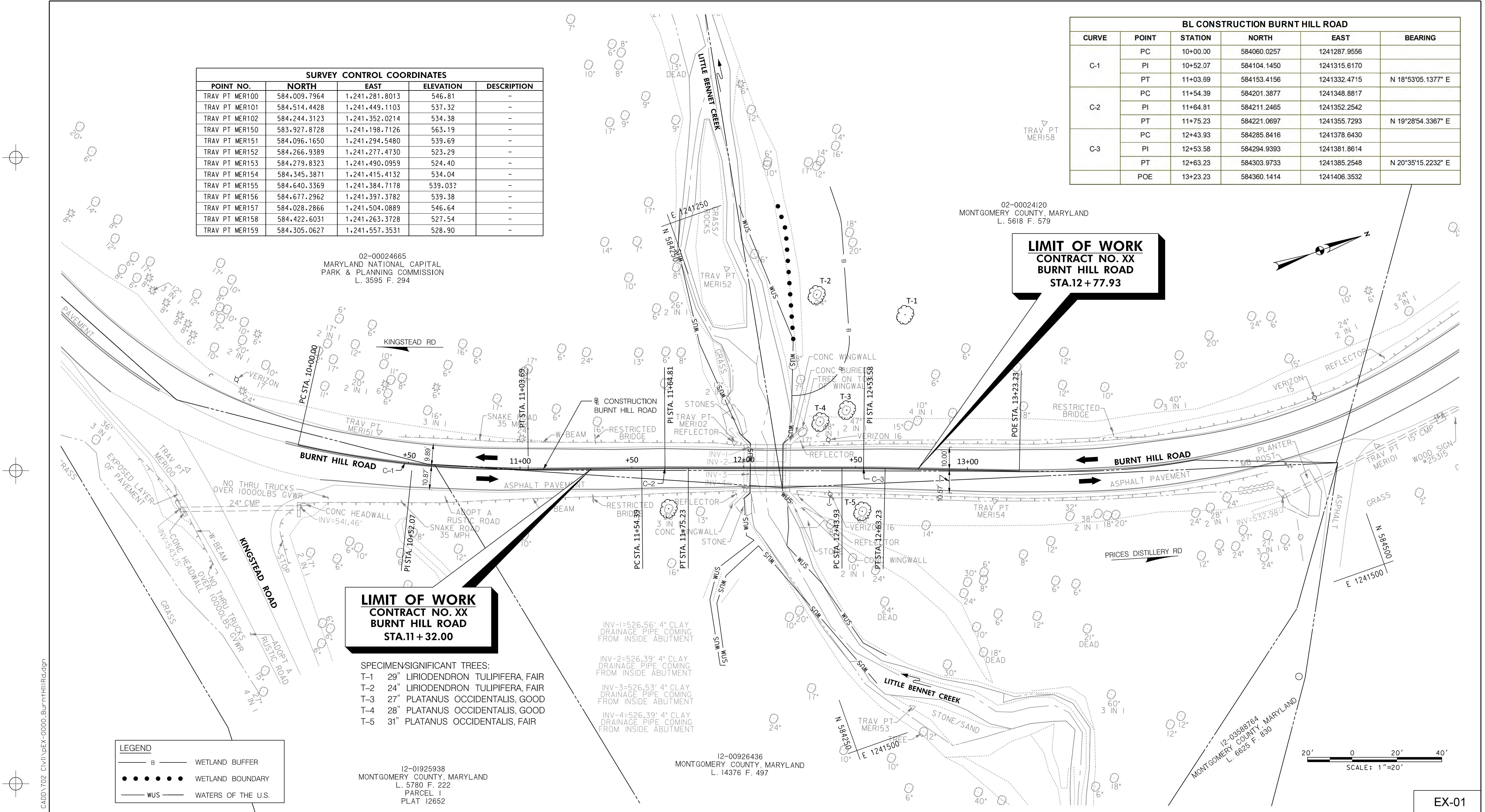
5' 0 5' 10'  
SCALE: 1"=5'

TS-01



SURVEY CONTROL COORDINATES				
POINT NO.	NORTH	EAST	ELEVATION	DESCRIPTION
TRAV PT MER100	584,009.7964	1,241,281.8013	546.81	-
TRAV PT MER101	584,514.4428	1,241,449.1103	537.32	-
TRAV PT MER102	584,244.3123	1,241,352.0214	534.38	-
TRAV PT MER150	583,927.8728	1,241,198.7126	563.19	-
TRAV PT MER151	584,096.1650	1,241,294.5480	539.69	-
TRAV PT MER152	584,266.9389	1,241,277.4730	523.29	-
TRAV PT MER153	584,279.8323	1,241,490.0959	524.40	-
TRAV PT MER154	584,345.3871	1,241,415.4132	534.04	-
TRAV PT MER155	584,640.3369	1,241,384.7178	539.03?	-
TRAV PT MER156	584,677.2962	1,241,397.3782	539.38	-
TRAV PT MER157	584,028.2866	1,241,504.0889	546.64	-
TRAV PT MER158	584,422.6031	1,241,263.3728	527.54	-
TRAV PT MER159	584,305.0627	1,241,557.3531	528.90	-

BL CONSTRUCTION BURNT HILL ROAD					
CURVE	POINT	STATION	NORTH	EAST	BEARING
C-1	PC	10+00.00	584060.0257	1241287.9556	
	PI	10+52.07	584104.1450	1241315.6170	
	PT	11+03.89	584153.4156	1241332.4715	N 18°53'05.1377" E
C-2	PC	11+54.39	584201.3877	1241348.8817	
	PI	11+64.81	584211.2465	1241352.2542	
	PT	11+75.23	584221.0697	1241355.7293	N 19°28'54.3367" E
C-3	PC	12+43.93	584285.8416	1241378.6430	
	PI	12+53.58	584294.9393	1241381.8614	
	PT	12+63.23	584303.9733	1241385.2548	N 20°35'15.2232" E
	POE	13+23.23	584360.1414	1241406.3532	



**LIMIT OF WORK**  
**CONTRACT NO. XX**  
**BURNT HILL ROAD**  
**STA.11 + 32.00**

SPECIMENSIGNIFICANT TREES:  
T-1 29" LIRIODENDRON TULIPIFERA, FAIR  
T-2 24" LIRIODENDRON TULIPIFERA, FAIR  
T-3 27" PLATANUS OCCIDENTALIS, GOOD  
T-4 28" PLATANUS OCCIDENTALIS, GOOD  
T-5 31" PLATANUS OCCIDENTALIS, FAIR

LEGEND	
	WETLAND BUFFER
	WETLAND BOUNDARY
	WATERS OF THE U.S.

12-01925938  
MONTGOMERY COUNTY, MARYLAND  
L. 5780 F. 222  
PARCEL 1  
PLAT 12652

12-00926436  
MONTGOMERY COUNTY, MARYLAND  
L. 14376 F. 497

02-00024120  
MONTGOMERY COUNTY, MARYLAND  
L. 5618 F. 579

**LIMIT OF WORK**  
**CONTRACT NO. XX**  
**BURNT HILL ROAD**  
**STA.12 + 77.93**



EX-01

### PROFESSIONAL CERTIFICATION

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GAITHERSBURG, MARYLAND

**CONTACT:**  
DIVISION OF TRANSPORTATION ENGINEERING  
CONSTRUCTION SECTION  
240-777-7210  
DESIGN SECTION  
240-777-7221

MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section  
APPROVED

Chief, Division of Transportation Engineering

Designed by: Drawn by: Checked by:

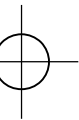
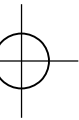
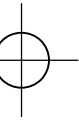
REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK

**EXISTING CONDITIONS & GEOMETRIC LAYOUT**

Project No. : 509132 SHEET 3 of 10







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### PROFESSIONAL CERTIFICATION

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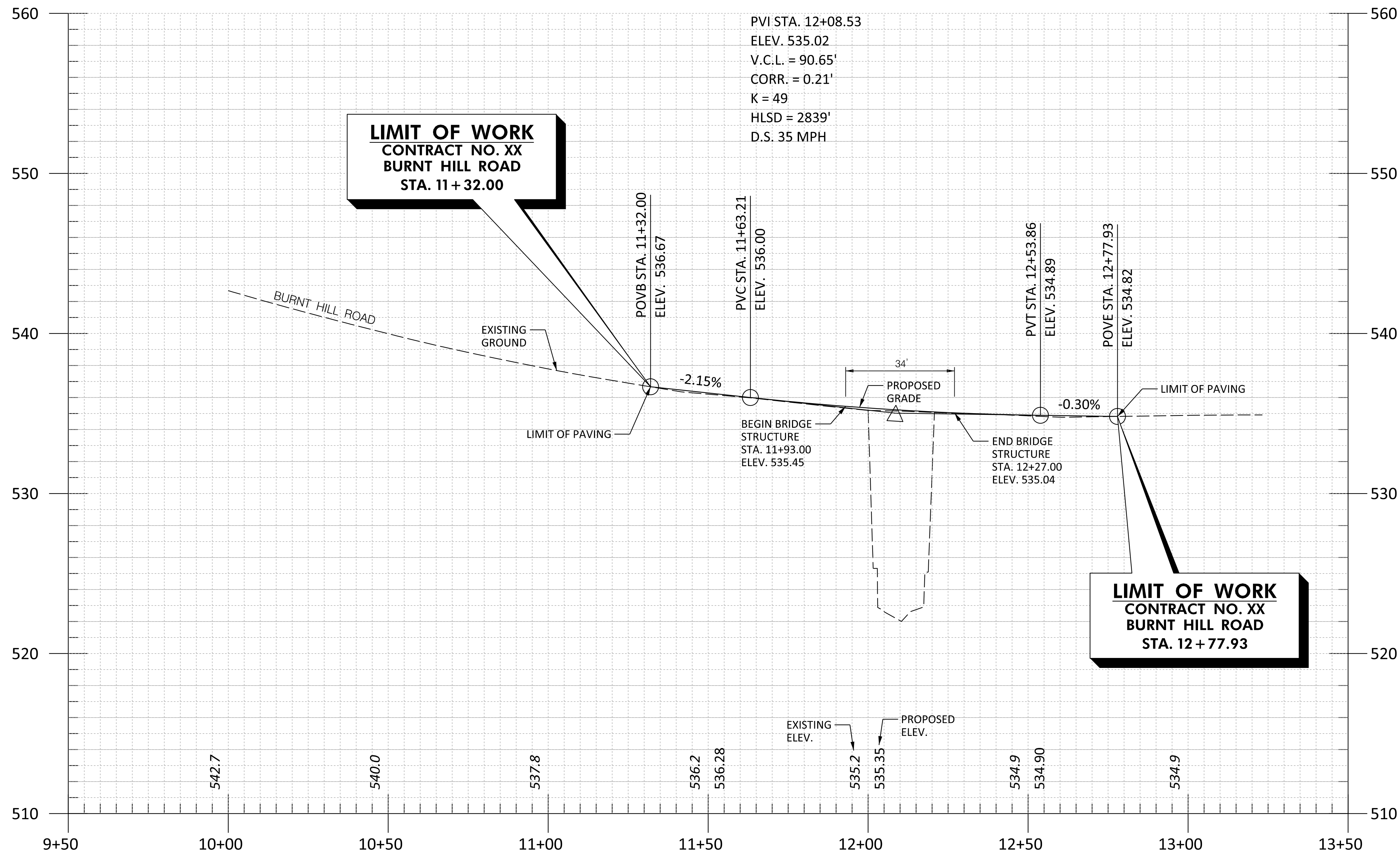
CONTACT:  
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CONSTRUCTION SECTION  
240-777-7210  
DESIGN SECTION  
240-777-7221

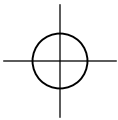
NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND			
RECOMMENDED FOR APPROVAL			
Chief, Design Section		Date	
APPROVED			
Chief, Division of Transportation Engineering		Date	
Designed by:	Drawn by:	Checked by:	

REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK  
**ROADWAY PROFILE**

Project No. : 509132 SHEET 5 of 10





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MAINTENANCE OF TRAFFIC REQUIREMENTS

1. THE CONTRACTOR SHALL REFER TO THE MONTGOMERY COUNTY TEMPORARY TRAFFIC CONTROL PLAN (TTCP) DRAWINGS. WORK ZONE SITUATIONS WHICH ARE NOT ADDRESSED IN MONTGOMERY COUNTY TTCP SHALL CONFORM TO THE GUIDELINES SET FORTH IN SECTION 6 OF THE 2011 "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MDMUTCD), MOST RECENT EDITION.
2. THE CONTRACTOR MUST HAVE A CERTIFIED TRAFFIC CONTROL MANAGER ON SITE DURING ALL PHASES OF INSPECTION AND CONSTRUCTION AT ALL TIMES.
3. EACH PHASE OF INSPECTION AND CONSTRUCTION, INCLUDING THE FOLLOW UP RESTORATION OPERATIONS, SHALL BE PROVIDED WITH APPROPRIATE WORK ZONE TRAFFIC CONTROLS.
4. ANY WORK SHALL BE RESTRICTED TO THE HOURS LISTED IN THE SPECIFICATIONS, MONDAY THROUGH FRIDAY. WORK ON HOLIDAYS AND WEEKENDS SHALL NOT OCCUR UNLESS AN EXEMPTION IS GRANTED IN WRITING BY THE COUNTY'S INSPECTOR.
5. CONSTRUCTION ACTIVITY, LOADING OR UNLOADING OF EQUIPMENT SHALL NOT BLOCK ANY TRAFFIC LANE OTHER THAN THOSE DELINEATED WITHIN THE WORK ZONE.
6. EXCLUSIVE OF EMERGENCY WORK, THE CONTRACTOR SHALL CONTACT OCCUPANTS OF ALL ADJOINING PROPERTIES AND INFORM THEM OF THE SCOPE AND THE TIMING OF CONSTRUCTION. A MINIMUM OF 24 HOURS NOTIFICATION SHALL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY ACTIVITY ON THE SITE.
7. ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS UNLESS PERMISSION FOR CLOSURE IS GRANTED BY THE PROPERTY OWNER/MANAGER. HOWEVER, ACCESSIBILITY FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
8. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE 2011 MDMUTCD. ALL SIGNS, TRAFFIC DRUMS AND CONES SHALL BE FULLY REFLECTORIZED WITH HIGH INTENSITY, REFLECTIVE SHEETING AS PER THE MUTCD. TEMPORARY SIGNS SHALL BE FLUORESCENT ORANGE.
9. ALL WARNING SIGNS, UNLESS OTHERWISE SPECIFIED, SHALL BE A MINIMUM OF 48" X 48", BLACK SYMBOL OR LEGEND ON FLUORESCENT ORANGE BACKGROUND AND DIAMOND SHAPED. ALL WARNING SIGNS NOT APPLICABLE TO THE ACTUAL SITUATION SHALL BE REMOVED OR COVERED DURING NON-APPLICABLE PERIODS. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF ONE (1) FOOT ABOVE THE LEVEL OF THE ROADWAY, WITH HIGHER MOUNTING HEIGHTS DESIRABLE.
10. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SIGNS IN GOOD CONDITION FOR THE DURATION OF THE PROJECT. ANY SIGNS THAT ARE DAMAGED BY THE CONTRACTOR'S CONSTRUCTION ACTIVITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR SHALL COVER ANY ADVANCE WARNING SIGNS THAT ARE NOT APPLICABLE DURING NON-WORKING HOURS AND UNCOVER WHEN APPLICABLE.
12. THE CONTRACTOR WILL NOT BE ALLOWED TO REMOVE OR DAMAGE ANY EXISTING LANDSCAPING UNLESS NOTED IN THE PLANS. ANY DAMAGED LANDSCAPING NOT AUTHORIZED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. IF ANY TEMPORARY TRAFFIC CONTROL SIGNS ARE TO BE PLACED ALONG A MDOT SHA ROADWAY OR WITHIN THE LIMITS OF AN INCORPORATED AREA, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCY OF SIGNAGE TO BE INSTALLED.
14. DURING NON-WORK HOURS, THE CONTRACTOR SHALL ENSURE THAT THE BRIDGE IS INACCESSIBLE TO VEHICULAR, PEDESTRIAN AND CYCLIST TRAFFIC.
15. THE CONTRACTOR SHALL OBTAIN A TEMPORARY NOISE WAIVER FROM THE MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR ALL NIGHTTIME CONSTRUCTION ACTIVITIES.
16. NO CONSTRUCTION VEHICLES SHAL BE ALLOWED IN RESIDENTIAL STREETS.
17. ALL STAKEHOLDERS SHALL BE NOTIFIED PRIOR TO ROAD CLOSURE/CONSTRCTON. ACCESS TO THE DRIVEWAY WEST OF THE BRIDGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. TEMPORARY CLOSURE OF DRIVEWAY SHALL BE COORDINATED WITH THE PROJECT ENGINEER.
18. FINAL VARIABLE MESSGE SIGN(S) MESSAGES ARE TO BE DETERMINED BY THE PROJECT ENGINEER.
19. PVMS SHALL REMAIN IN STRATEGIC LOCATIONS DURING ROAD CLOSURE/CONSTRUCTION WITH ADVANCE WARNING MESSAGE TO MOTORISTS.
20. FIXED BARRICADES SHALL EXTEND THE FULL WIDTH OF THE ROADWAY CLOSURE POINTS AND SHALL HAVE FLASHING WARNING LIGHTS.
21. TRAFFIC CONTROL DEVICES MUST BE IN COMPLIANCE WITH THE LATEST EDITION OF THE MD MUTCD AND THE MD SHA BOOK OF STANDARDS.
22. ALL WARNING SIGNS NOT IN USE SHALL BE FULLY COVERED WITH OPAQUE MATERIAL.

INSPECTOR AUTHORITY

1. THE COUNTY'S DEPARTMENT OF PERMITTING SERVICES (DPS) INSPECTOR HAS THE AUTHORITY TO MODIFY THE TTCP AS DEEMED NECESSARY. THE INSPECTOR HAS THE AUTHORITY TO ORDER THE CONTRACTOR TO STOP WORK AND VACATE THE PUBLIC RIGHT-OF-WAY IF THE TTCP IS NOT COMPLIED WITH.
2. THE IMPLEMENTATION DATE AND CONTINUANCE OF WORK ACTIVITIES MAY BE ALTERED AT THE DISCRETION OF THE COUNTY'S INSPECTOR IN THE EVENT OF CONFLICTS WITH PREVIOUSLY APPROVED OR EMERGENCY ACTIVITIES.

MISCELLANEOUS

1. HAZARDOUS MATERIALS SHALL NOT BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACE OR SIDEWALK DURING NON-WORK PERIODS. ALL STORED MATERIALS AND EQUIPMENT SHALL BE SET BACK AT LEAST SIX (6) FEET BEHIND THE CURB ALONG A CLOSED SECTION ROADWAY AND AT LEAST TWELVE (12) FEET FROM THE EDGE OF AN OPEN SECTION ROADWAY.
2. AT THE COMPLETION OF WORK ACTIVITIES, CONDITIONS WITHIN THE PUBLIC SPACE SHALL BE FULLY RESTORED TO THOSE THAT EXISTED PRIOR TO THE WORK ACTIVITY.

CONTACT INFORMATION

1. THE CONTRACTOR SHALL ARRANGE AND HOST A PRE-PHASE TRAFFIC SWITCH MEETING AT LEAST TWO WEEKS PRIOR TO SWITCHING TRAFFIC. THE FOLLOWING OFFICES SHALL BE NOTIFIED OF THIS MEETING AND OF THE IMPENDING TRAFFIC SWITCH:
  - \* MONTGOMERY COUNTY DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS AT 240-777-6000
  - \* MONTGOMERY COUNTY TRANSPORTATION SYSTEMS ENGINEERING TEAM AT 240-777-2100
  - \* MONTGOMERY COUNTY FIRE AND RESCUE, LOCAL FIRE DEPARTMENT CAPTAIN
  - \* MONTGOMERY COUNTY POLICE, LOCAL TRAFFIC SERGEANT
  - \* MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES, PERMIT INSPECTION SECTION AT 240-777-6300
  - \* MONTGOMERY PUBLIC PUBLIC SCHOOLS, LOCAL DEPOT MANAGER
2. PRIOR TO ROAD CLOSURES, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING OFFICES A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE:
  - \* MONTGOMERY COUNTY DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS AT 240-777-6000
  - \* MONTGOMERY COUNTY EMERGENCY OPERATIONS CENTER AT 240-777-0751
  - \* MONTGOMERY COUNTY POLICE, LOCAL TRAFFIC SERGEANT
  - \* MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER AT 240-777-2100
  - \* MONTGOMERY COUNTY FIRE AND RESCUE, LOCAL FIRE DEPARTMENT CAPTAIN
  - \* MONTGOMERY PUBLIC PUBLIC SCHOOLS, LOCAL DEPOT MANAGER
3. FIELD ASSISTANCE BY THE MCDOT, DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS IS AVAILABLE UPON REQUEST. CONTACT TRAFFIC ENGINEERING & OPERATIONS SECTION AT 240-777-6000.

SEQUENCE OF CONSTRUCTION FOR MAINTENANCE OF TRAFFIC

1. FOR LANE CLOSURES DURING PRE-BRIDGE RECONSTRUCTION WORK, USE MD STD 104.02-10 FOR FLAGGING OPERATIONS, MD STD 104.06-08 FOR ONE LANE ROAD (SIGNAL CONTROLLED) AND MD STD 104.00-11 (SECTION 9).
2. INSTALL PORTABLE VARIABLE MESSAGE SIGN (PVMS) 2 WEEKS BEFORE ROAD CLOSURE IN ACCORDANCE WITH MD STD 104.01-22.
3. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR DETOUR AND CLOSE BURNT HILL ROAD. ADJUST ALL PVMS TO LOCATION AS DETERMINED BY THE ENGINEER.
4. CONSTRUCT IMPROVEMENTS FOR ROADWAY AND BRIDGE.
5. AFTER COMPLETING THE CONSTRUCTION OF THE BRIDGE, REMOVE MAINTENANCE OF TRAFFIC CONTROL DEVICES ASSOCIATED WITH THE DETOUR AND OPEN BURNT HILL ROAD.
6. FOR LANE CLOSURES DURING PRE-BRIDGE RECONSTRUCTION WORK, USE MD STD 104.02-10 FOR FLAGGING OPERATIONS, MD STD 104.06-08 FOR ONE LANE ROAD (SIGNAL CONTROLLED) AND MD STD 104.00-11 (SECTION 9).

PROFESSIONAL CERTIFICATION

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240-777-7210  
DESIGN SECTION  
240-777-7221

NO.	REVISION	DATE	BY	

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND			
RECOMMENDED FOR APPROVAL			
Chief, Design Section APPROVED		Date	
Chief, Division of Transportation Engineering		Date	
Designed by:	JRGB	Drawn by:	JRGB
Checked by:	RJM		

REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK

MAINTENANCE OF TRAFFIC  
NOTES

Project No. : 509132 SHEET 6 of 10

MT - 01

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LICENSE NO. XXXXX EXPIRATION DATE XX-XX-202X

MODELNAME:\$MODELNAME\$

LEGEND

PVMS

PORTABLE VARIABLE MESSAGE SIGN

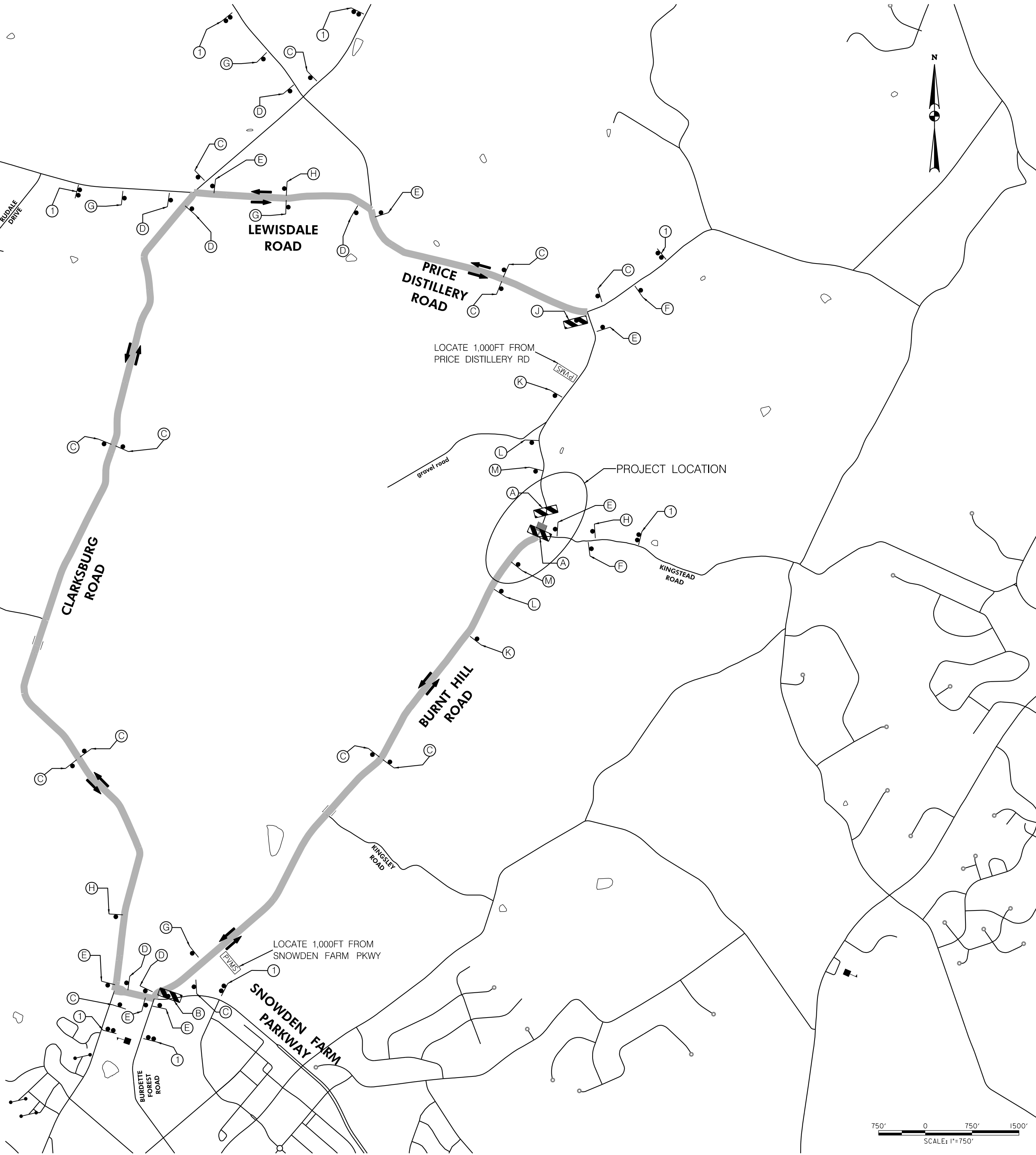
TYPE III BARRICADE

SIGN LOCATION

WORK AREA

VEHICULAR DETOUR ROUTE

TRAFFIC FLOW



ROAD CLOSED

A

R11-2

48 X 30

ROAD CLOSED

2.0 MILES AHEAD

LOCAL TRAFFIC ONLY

DETOUR

R11-3a

60 X 30

B

BURNT HILL RD

30 X 18

C

DETOUR

BURNT HILL RD

30 X 18

D

DETOUR

BURNT HILL RD

30 X 18

E

DETOUR

END

DETOUR

F

M4-8a

24 X 18

BURNT HILL RD

30 X 18

G

DETOUR

BURNT HILL RD

30 X 18

H

DETOUR

M4-9(1)

30 X 18

I

M4-9(1)

30 X 18

J

M4-9(1)

30 X 18

K

M4-9(1)

30 X 18

L

M4-9(1)

30 X 18

M

M4-9(1)

30 X 18

N

ROAD CLOSED

0.7 MILES AHEAD

LOCAL TRAFFIC ONLY

DETOUR

R11-3a

60 X 30

J

M4-10(L)

48 X 18

K

ROAD CLOSED

1/2 MILE

W20-3(1)

48 X 30

L

ROAD CLOSED

1500 FT

W20-3(1)

48 X 48

M

ROAD CLOSED

800 FT

W20-3(1)

48 X 48

N

R3-1

24 X 24

O

TEMPORARY TRAFFIC CONTROL SIGN TABLE		
MESSAGE	BACKGROUND	LEGEND
<div><div>NOTICE</div><div>BURNT HILL RD CLOSED TO THRU TRAFFIC</div><div>FOLLOW DETOUR</div></div>	<div>YELLOW</div> <div>WHITE</div> <div>ORANGE</div>	<div>BLACK</div> <div>BLACK</div> <div>BLACK</div>

DETOUR LENGTH APPROX 6.4 MILES

M4-9(1)

30 X 18

2'-6"

1'-6"

Burnt Hill Rd

3.50"

4"3"C

3"

4"3"C

3.50"

PVMS

ROAD CLOSED AHEAD

ON OR ABOUT XX-XX-XX

MESSAGE 1

MESSAGE 2

NOTE:  
FOR MAINTENANCE OF TRAFFIC NOTES, SEE SHEET MT-01.

MT - 02

OWNER/ADDRESS:  
DEPARTMENT OF TRANSPORTATION  
100 EDISON PARK DRIVE  
GAITHERSBURG, MARYLAND

CONTACT:  
DIVISION OF TRANSPORTATION ENGINEERING  
CONSTRUCTION SECTION  
240-777-7210  
DESIGN SECTION  
240-777-7221



MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section  
APPROVED

Chief, Division of Transportation Engineering  
APPROVED

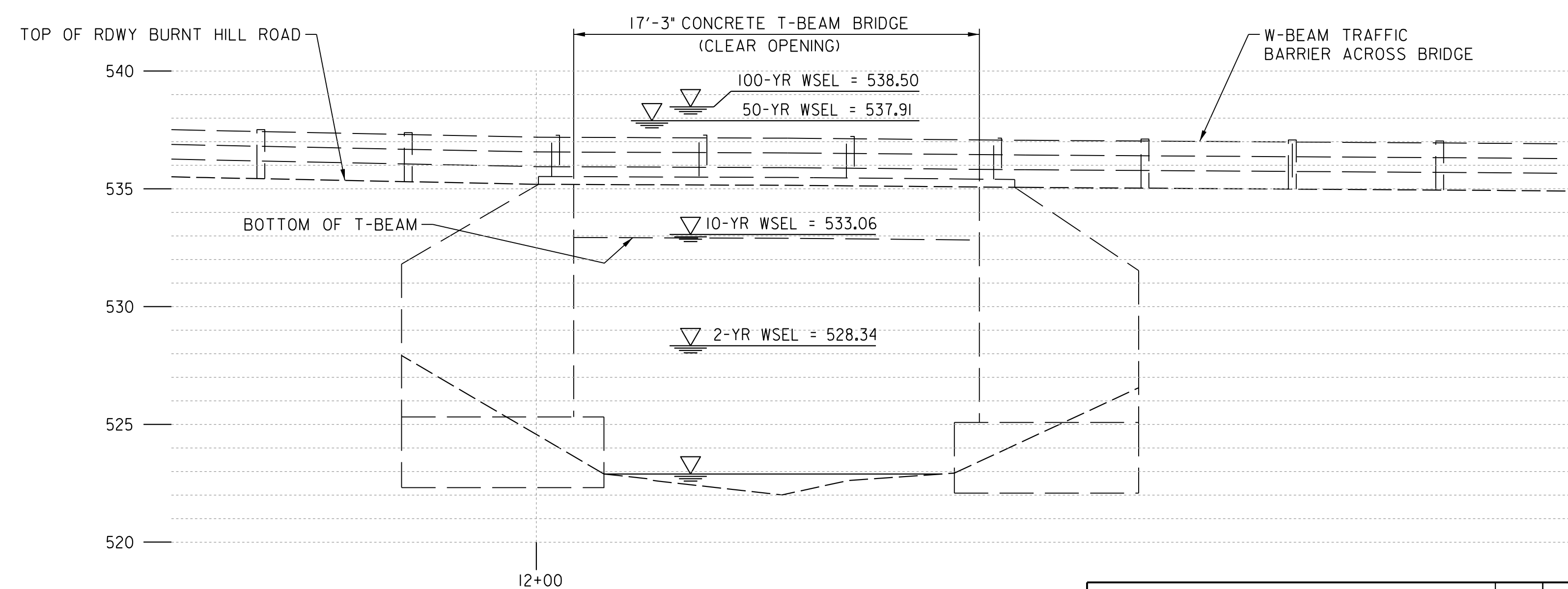
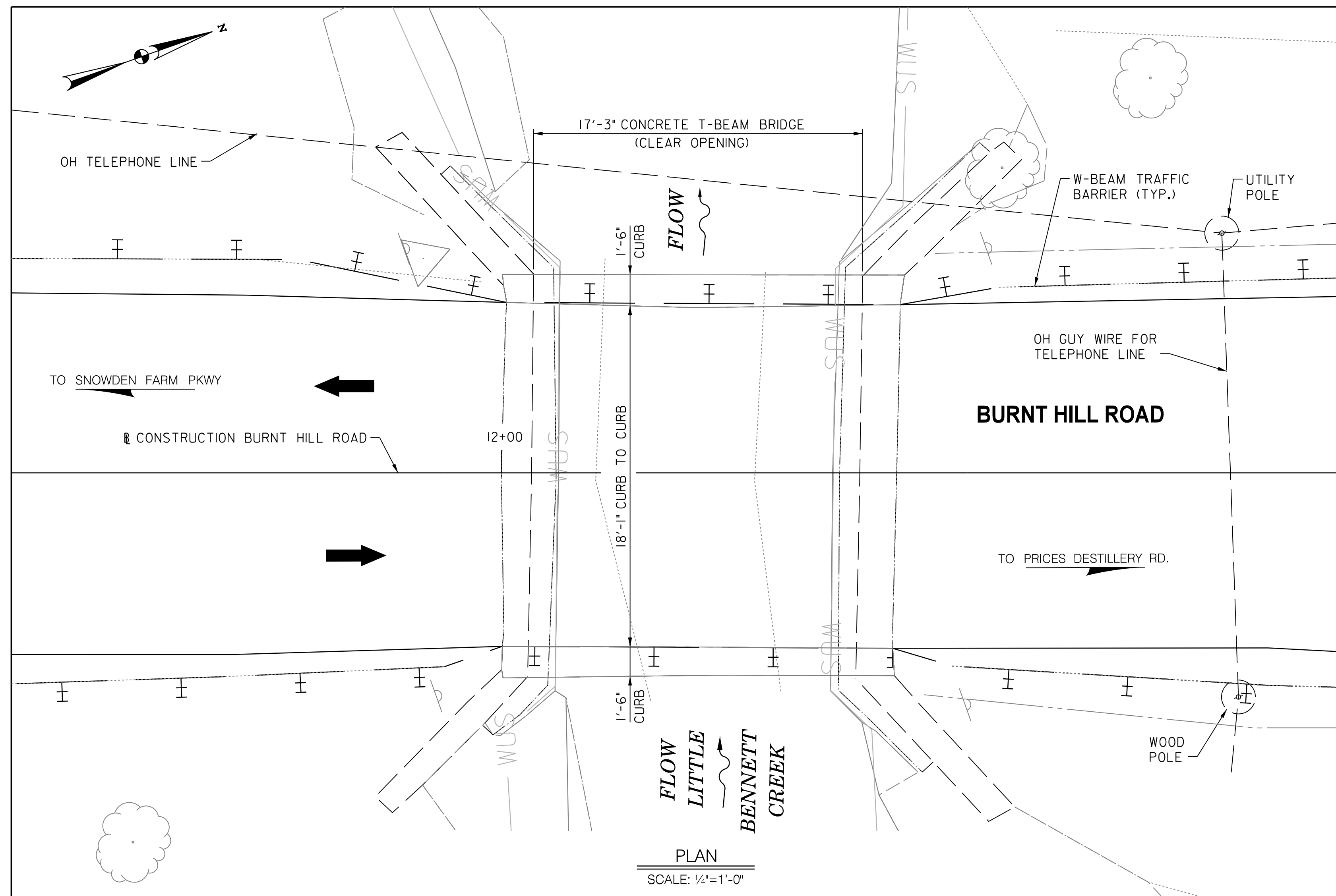
Designed by: JRGB Drawn by: JRGB Checked by: RJM

REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK

DETOUR PLAN

Project No. : 509132 SHEET 7 of 10





## PROFESSIONAL CERTIFICATION



OWNER/ADDRESS:  
DEPARTMENT OF TRANSPORTATION  
100 EDISON PARK DRIVE  
GAITHERSBURG, MARYLAND

[illegible]

MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
--------------------------

Chief, Design Section \_\_\_\_\_ Date \_\_\_\_\_  
APPROVED

Chief, Division of Transportation Engineering \_\_\_\_\_ Date \_\_\_\_\_

Designed by: GF      Drawn by: GF      Checked by: E

REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK

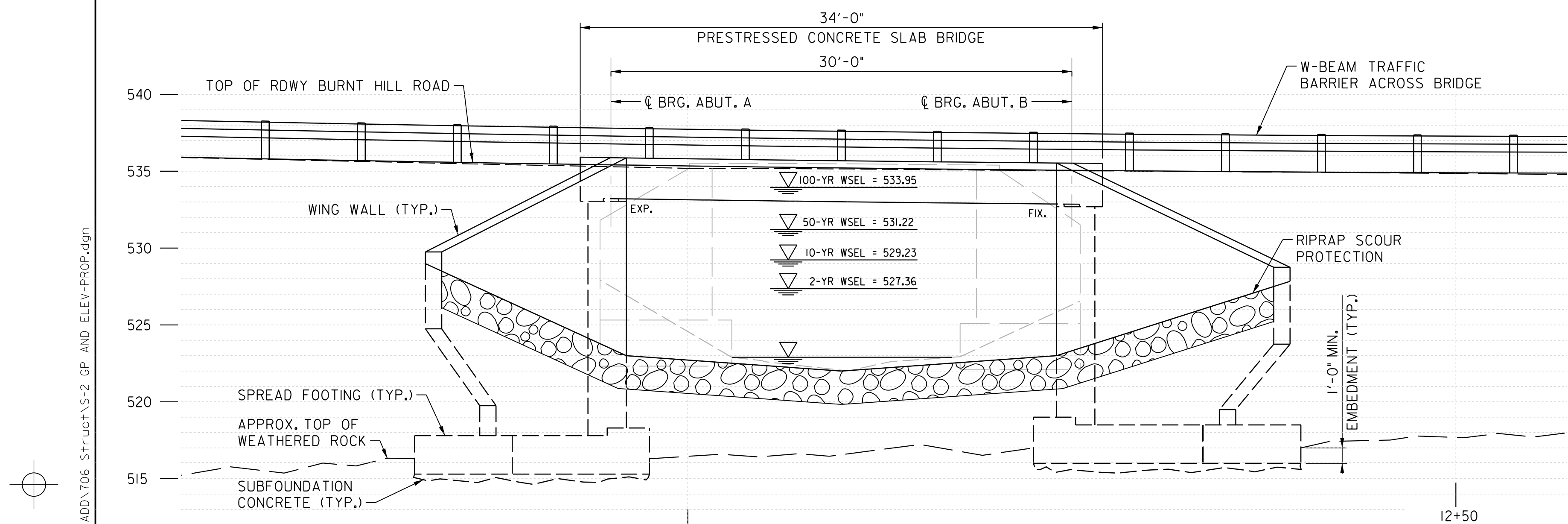
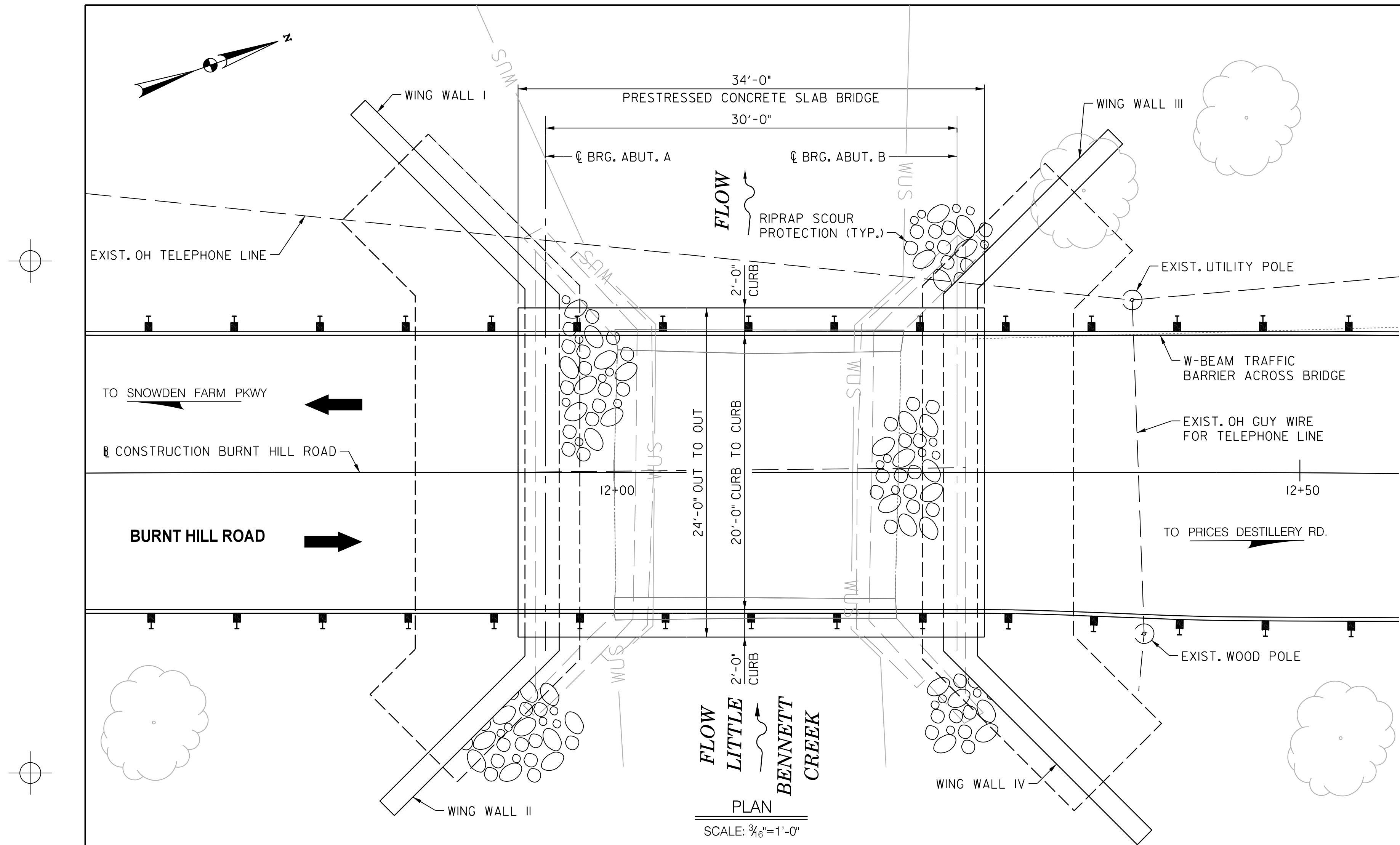
### PLAN AND ELEVATION (EXISTING BRIDGE)

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Project No. : 509132 SHEET 8 of 10







GENERAL NOTES

SPECIFICATIONS: MDOT SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JULY 2022.

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, DATED 2020.

LOADING: HL-93

LOAD RESTRICTIONS: THERE ARE RESTRICTIONS FOR PLACING EQUIPMENT AND MATERIALS ON EXISTING AND NEW STRUCTURE(S). REFER TO SECTION TC 6.14.

CONCRETE: CONCRETE COMPRESSIVE STRENGTH FOR DESIGN SHALL BE:  
f'c = 3 000 psi FOR ELEMENTS USING MIX NO. 3  
f'c = 4 000 psi FOR ELEMENTS USING MIX NO. 6

ALL CONCRETE FOR ABUTMENT BACKWALLS AND CURBS SHALL BE MIX NO. 6 (4500 PSI) CONTAINING SYNTHETIC FIBERS (SEE SECTION 902.15.01).

ALL CONCRETE FOR SUPERSTRUCTURE OVERLAY SHALL BE MIX NO. 8 CONCRETE (4000 PSI) CONTAINING SYNTHETIC FIBERS (SEE SECTION 902.15.02).

ALL OTHER STRUCTURE SHALL BE MIX NO. 3 (3500 PSI).

PRESTRESSED CONCRETE: CONCRETE COMPRESSIVE STRENGTH FOR DESIGN SHALL BE f'c = 7000 psi. WHILE THE MINIMUM COMPRESSIVE STRENGTH AT TRANSFER SHALL BE f'ci = 5950 PSI.

ALL PRESTRESSED CONCRETE SHALL BE SELFCONSOLIDATING WITH A 28-DAY COMPRESSIVE STRENGTH OF f'c = 8000 PSI.

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60, WITH A YIELD STRENGTH FOR DESIGN OF fy = 60000 PSI.

ALL SPLICES, NOT SHOWN, SHALL BE LAPPED AS PER BAR LAP CHARTS.

REINFORCING STEEL SHALL BE EPOXY COATED WHEN NOTED WITH AN EP IN THE PLANS.

MINIMUM CLEAR COVER FOR REINFORCING STEEL SHALL BE 2" EXCEPT FOR THE FOLLOWING LOCATIONS:

TOP OF SUPERSTRUCTURE OVERLAY	2 1/2"
BOTTOM AND SIDES OF ALL FOOTINGS	3"
BOTTOM OF PRESTRESSED CONCRETE SLABS	3"

FOR TIES AND STIRRUPS, STANDARD ACIBENDING TOLERANCES ARE MODIFIED TO PLUS (+) ZERO INCHES, MINUS (-) NORMAL ACIBENDING TOLERANCES.

PRETENSIONING STEEL: PRETENSIONING STEEL SHALL CONSIST OF 1/2" DIAMETER 7-WIRE BRIGHT LOW RELAXATION STRANDS CONFORMING TO THE REQUIREMENTS OF M 203 GRADE 270. EACH STRAND SHALL BE PRESTENSIONED TO 31,000 lb (0.75 fpu), HAVE AN ULTIMATE STRENGTH OF 41,300 lb (fpu) AND A YIELD STRENGTH OF 37,200 lb (0.90 fpu).

EXISTING STRUCTURES: ALL DIMENSIONS AFFECTED BY THE GEOMETRY AND/OR LOCATION OF THE STRUCTURE(S): EXISTING STRUCTURE(S) SHALL BE CHECKED IN THE FIELD BY THE CONTRACTOR BEFORE ANY MATERIAL IS ORDERED OR FABRICATED OR CONSTRUCTION BEGINS.

S - 2

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. XXXXX EXPIRATION DATE XX-XX-202X



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DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section  
APPROVED

Date

Chief, Division of Transportation Engineering

Date

Designed by: GF Drawn by: GF Checked by: BP

REPLACEMENT OF BRIDGE NO. M-0157X01  
ON BURNT HILL ROAD  
OVER LITTLE BENNETT CREEK

PLAN, ELEVATION AND GENERAL NOTES

Project No. : 509132 SHEET 9 of 10

