



Mr. Jason Cosler, PE  
Whitman, Requardt & Assoc.  
801 South Carolina Street  
Baltimore, MD 21231  
Via email: jcosler@wralp.com

Re: **COMBINED STORMWATER MANAGEMENT  
CONCEPT/SITE DEVELOPMENT  
STORMWATER MANAGEMENT PLAN** for  
Boys Transit Center  
Address: 15100 Barnesville Rd  
SM File #: 285472  
Tract Size: 1.21 ac  
Total Concept Area: 1.21 ac  
Watershed: Seneca Creek

Dear Mr. Cosler:  
Based on a review by the Department of Permitting Services Review Staff, the stormwater management concept for the above mentioned site is acceptable. The stormwater management concept proposes to meet required stormwater management goals via permeable paving. This approval includes the granting of a partial waiver from the requirements to provide on-site SWM.

- The following items will need to be addressed during the detailed sediment control/stormwater management plan stage:
- A detailed review of the stormwater management computations will occur at the time of detailed plan review.
  - An engineered sediment control plan must be submitted for this development.
  - All facilities must be designed using latest available MCDPS guidance documents.

This list may not be all-inclusive and may change based on available information at the time.  
Payment of a stormwater management contribution in accordance with Section 2 of the Stormwater Management Regulation 4-90 is required.



## DEVELOPER'S/BUILDER'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 OF A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

DATE

TIMOTHY H. CUPPLES, P.E., 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 PUBLIC WORKS AND TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED JUNE, 2014.

DATE

JASON D. COSLER, P.E.  
MD REGISTRATION NO. 28467

## CERTIFICATION OF QUANTITIES

I FURTHER CERTIFY THAT THE TOTAL AMOUNTS OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAVE BEEN COMPUTED TO BE 4,500 CUBIC YARDS OF EXCAVATION AND 1,300 CUBIC YARDS OF FILL AND THAT THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE A MAXIMUM OF 56,464 SQUARE FEET OR 1.30 ACRES.

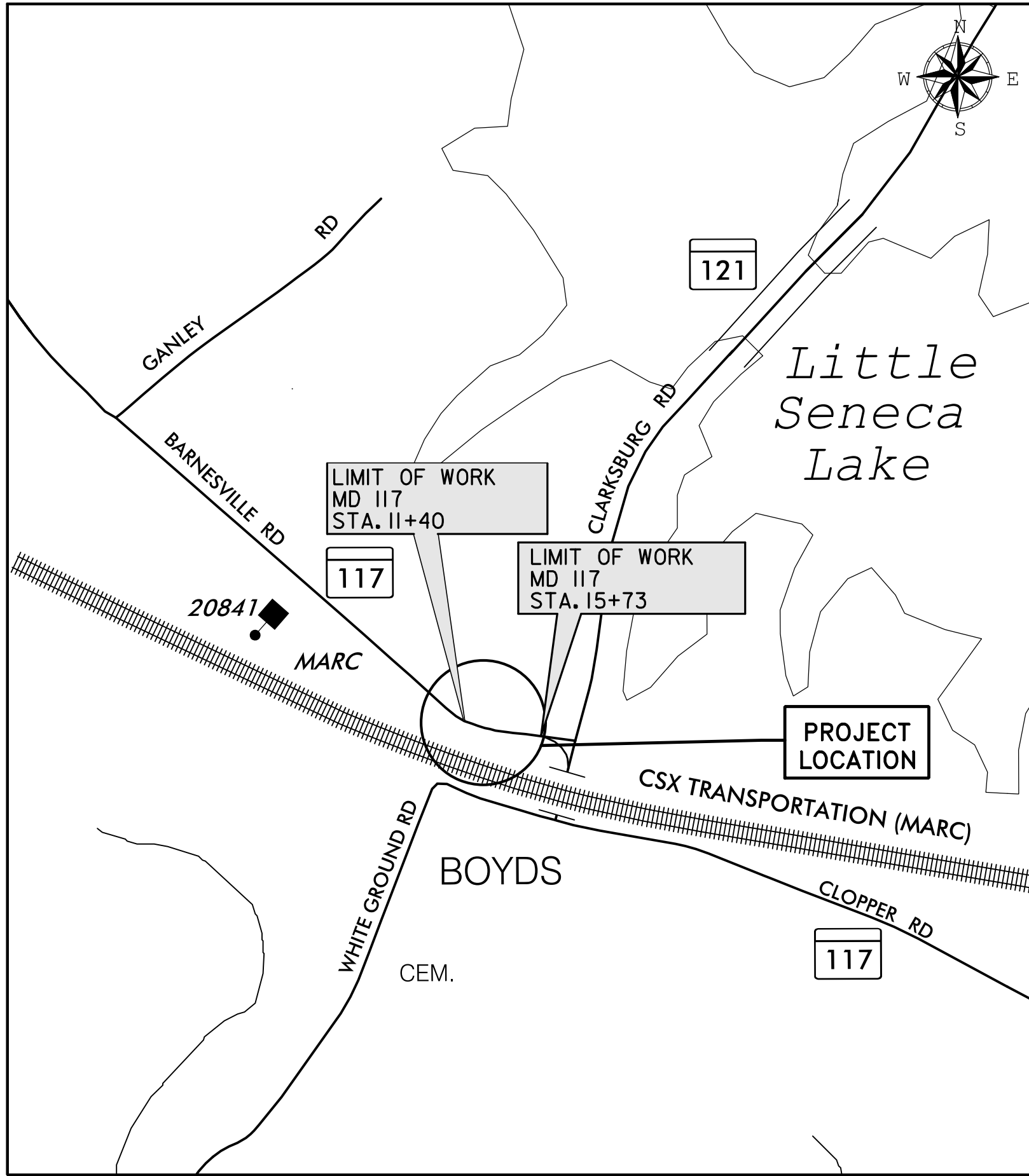
PAMELA H. DESTINO, P.E.  
MD REGISTRATION NO. 42708

DATE

# MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION

## BOYDS TRANSIT IMPROVEMENTS – 70% DESIGN

C. I. P. PROJECT 509337



PROJECT LENGTH = 0.08 MILES

MONTGOMERY COUNTY

VICINITY MAP  
SCALE : 1"= 500'

OWNER/ADDRESS:  
MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
100 EDISON PARK DRIVE, 4TH FLOOR  
GAITHERSBURG, MD 20878

CONTACT:  
REBECCA PARK, P.E.  
240-777-7263

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. \_\_\_\_\_  
EXPIRATION DATE: \_\_\_\_\_



SWM SUMMARY TABLE									
measure number	type of measure	drainage area to measure	impervious area to measure	% Impervious	Rv for ESD calculations	Min ESDv	Max ESDv	Credited volume	
ESD									
PC-1	Permeable	0.51 ac.	0.42 ac.	83	0.8	-	3,805 cf	3,394 cf	
Total		0.51 ac.	0.42 ac.					3,394 cf	
Structural									
Total		N/A	N/A						N/A
Does not drain to a SWM measure									
QN Waiver acres and % impervious								2,948 cf	
QL Waiver acres and % impervious								N/A	
Project									
Total		1.30 ac.	0.83 ac.	83	0.80	2,948 cf	5,895 cf	5,895 cf	
ESDv Required 5,895 (ESD Target)/ 2,948 (ESD Min)									
ESDv Provided 5,895 cf									
Structural Required N/A									
Structural Provided N/A									

MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section  
APPROVED

Chief, Division of Transportation Engineering

Designed by: AMU Drawn by: AMU Checked by: RHD

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 NO.	EXPIRATION DATE	WORK RESTRICTION DATES
M.C.D.E.P. Floodplain District		X			
WATERWAY/WETLANDS					
a. Corps of Engineers		X			
b. M.D.E.		X			
c. M.D.E. Water Quality Certification		X			
M.D.E. Dam Safety		X			
DNR Roadside Tree Core Permit	X				
DPS Roadside Tree Protection Plan	X				
N.P.D.E.S. NOTICE OF INTENT	X				
M.C.D.P.S. STORMWATER MANAGEMENT	X				
M.C.D.P.S. SEDIMENT CONTROL	X				

## GENERAL NOTES

- SITE CLEANUP, DEMOLITION AND GROUNDWATER REMEDIATION SHALL BE DONE UNDER A SEPARATE CONTRACT.
- THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE LATEST EDITION OF THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION. THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C.) STANDARDS, MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS, AND SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND.
- HORIZONTAL DATUM: NAD 83(1991) VERTICAL DATUM: NAVD 88.
- TYPES OF STORM DRAIN STRUCTURES REFER TO THE "DESIGN STANDARDS" OF MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION, UNLESS OTHERWISE NOTED.
- WHEN THE DROP ON THE MAIN LINE THROUGH A STORM DRAIN STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1.5:1 OR FLATTER, A ROUNDED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES. WHEN THE INVERT SLOPES WOULD BE GREATER THAN 1.5:1 A SPECIAL INVERT SHALL BE CONSTRUCTED AS NOTED.
- ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE LINES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
- REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE COUNTY BEFORE PROCEEDING WITH CONSTRUCTION.
- CLEARING IS TO BE LIMITED TO THE "LIMIT OF GRADING" 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.
- THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREATMENT, PLANTING, REMOVAL, OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060.
- CONTACT THE WASHINGTON SUBURBAN SANITARY COMMISSION SYSTEM MAINTENANCE ENGINEER BEFORE EXCAVATING BENEATH OR IN THE VICINITY OF EXISTING WATER OR SEWER LINES. BACKFILL TO BE DONE UNDER SUPERVISION OF WSSC MAINTENANCE ENGINEER, CALL 301-206-9772.
- ALL UTILITY POLES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
- PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL".
- CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

MCDPS-SC/SWM SHEET NO. 1 OF 18

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.
STORMWATER MANAGEMENT	SEDIMENT CONTROL TECHNICAL REQUIREMENTS	ADMINISTRATIVE REQUIREMENTS
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Approved _____ Date _____	Approved _____ Date _____
285472 S.M. FILE NO.		

TI-01 TITLE SHEET

BOYDS TRANSIT  
IMPROVEMENTS

SCALE : NTS JUNE 2022

Project No. : 32207.003 SHEET 1 of 27



INDEX OF SHEETS

SHEET NO.	SC/SWM NO.	DRAWING DESCRIPTION
1	1	TITLE SHEET
2	2	INDEX OF SHEETS, LEGEND, AND ABBREVIATIONS
3		EC-01 – EXISTING CONDITIONS
4		EC-02 – DEMO PLAN
5		GS-01 – GEOMETRIC LAYOUT SHEET
6	3	HT-01 – TYPICAL SECTIONS
7	4	HT-02 – TYPICAL SECTIONS
8	5	PD-01 – PAVEMENT DETAILS
9	6	HD-01 – ROADWAY PLAN
10	7	HD-02 – ROADWAY PLAN
11		HP-01 – ROADWAY PROFILE
12		CL-01 – CURB LAYOUT
13	8	GR-01 – SITE GRADING PLAN
14		TCP-A – TRAFFIC CONTROL PLAN GENERAL NOTES
15		TCP-01 – TRAFFIC CONTROL PLAN
16	9	EN-01 – EROSION AND SEDIMENT GENERAL CONTROL NOTES
17	10	EN-02 – EROSION AND SEIDMENT CONTROL NOTES AND DETAILS
18	11	ES-01 – EROSION AND SEDIMENT CONTROL PLAN STAGE 1 – SUBGRADE GRADING
19	12	ES-02 – EROSION AND SEDIMENT CONTROL PLAN STAGE 2 – FINAL GRADING
20	13	DP-01 – DRAINAGE PROFILES
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22	15	SW-01 – PERVIOUS CONCRETE SUBGRADE GRADING PLAN
23		SN-2.01 – SIGNING AND MARKING PLAN
24		LT-01 – LED PHOTOMETRIC PLAN
25	16	LD-01 – TREE PROTECTION PLAN
26	17	LD-02 – LANDSCAPE PLAN
27	18	LD-03 – DETAILS AND NOTES

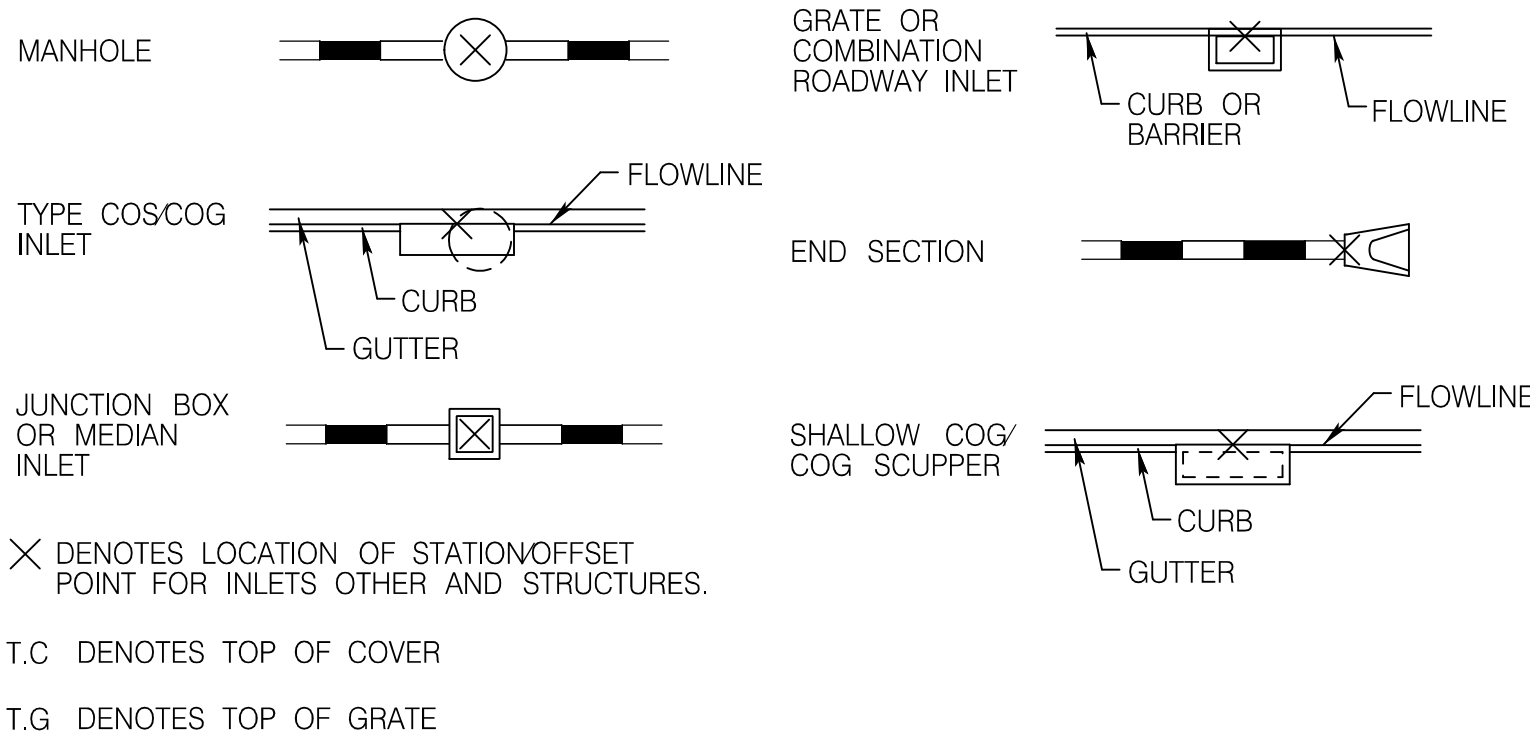
LEGEND

	TELEPHONE MANHOLE		EXISTING W-BEAM
	WATER METER		PROPOSED W-BEAM
	WATER VALVE		WETLAND BUFFER
	SEWER MANHOLE		WETLAND
	STORM DRAIN MANHOLE		PROPOSED FENCE
	GAS VALVE		PROPOSED HANDRAIL
	SIGN		EXISTING CHAINLINK FENCE
	LIGHT POLE		INDEX CONTOUR
	UTILITY POLE		INTERVAL CONTOUR
	FIRE HYDRANT		TOP OF CUT
	PARKING METER		TOE OF FILL
	TREE		EXISTING RIGHT OF WAY LINE
	BORING		LIMIT OF DISTURBANCE
	INLET		TEMPORARY CONSTRUCTION EASEMENT
	MANHOLE		PERPETUAL EASEMENT

ABBREVIATIONS

A.A.S.H.T.O.....	American Association of State Highway Transportation Officials	LP.....	Low Point	STA.....	Station
APPROX.....	Approximate	LT.....	Left	SO.....	Single Opening
B or B/L.....	Baseline	MAX.....	Maximum	S.Y.....	Square Yards
C.C.....	Center of Curve	MOD.....	Modified	SWM.....	Stormwater Management
C or C/L.....	Centerline	MIN.....	Minimum	SW.....	Sidewalk
C.I.P.....	Cast Iron Pipe	N.....	North	T.....	Tangent
C.M.P.....	Corrugated Metal Pipe	NB.....	Northbound	T.....	Telephone
C.O.....	Corrugated Metal Pipe, Smooth Interior	NE.....	Northeast	T.C.P.....	Terra Cotta Pipe
COMB.....	Cleanout	NTS.....	Not To Scale	TYP.....	Typical
CONC.....	Combination	O.C.....	On Center	U.P.....	Utility Pole
CONSTR.....	Concrete	P.C.....	Point of Curvature	VAR.....	Varies
C.P.P.....	Construction	P.C.C.....	Point of Compound Curve	V.C.L.....	Vertical Curve Length
C.P.P.-S.....	Corrugated Polyethylene Pipe	P/C.....	Point of Crown	W.....	Water
D.B.H.....	Diameter Breast Height	P/GE.....	Profile Grade Elevation	W.....	West
DC.....	Degree of Curve	P.G.E.....	Profile Ground Elevation	WB.....	Westbound
D.H.V.....	Design Hourly Volume	P.G.L.....	Profile Grade Line		
D.I.....	Drop Inlet	P/R.....	Point of Rotation		
DIA.....	Diameter	P/I.....	Point of Intersection		
D.O.....	Double Opening	P.O.C.....	Point on Curve		
E.....	East	P.O.T.....	Point on Tangent		
E.....	Electric	P.P.W.P.....	Polyvinyl Chloride Profile Wall Pipe		
E.....	External Distance	PROP.....	Proposed		
EA.....	Each	PT.....	Point		
EB.....	Eastbound	P.T.....	Point of Tangency		
ELEV.....	Elevation	P.V.C.....	Point of Vertical Curve		
E.R.C.C.P.....	Elliptical Reinforced Cement Concrete Pipe	PVC.....	Polyvinyl Chloride		
ES.....	End Section	PVL.....	Point of Intersection		
EX. or EXIST.....	Existing	R.....	Radius		
FT.....	Feet	RET. WALL.....	Retaining Wall		
F or FL.....	Flowline	RT.....	Right		
FWD.....	Forward	RW or R W.....	Right of Way		
G.....	Gas	R.C.P.....	Reinforced Cement Pipe		
H.E.R.C.P.....	Horizontal Elliptical Reinforced Concrete Pipe	R.C.C.P.....	Reinforced Cement Concrete Pipe		
HP.....	High Point	S.....	South		
HMA.....	Hot Mix Asphalt	SAM.....	Superpave Asphalt Mix		
HT.....	Height	SB.....	Southbound		
IN.....	Inch	S.D.....	Storm Drain		
INV.....	Invert	S.E.....	Superelevation		
L.....	Length	SF.....	Silt Fence		
LANDSC.....	Landscaped	S.F.....	Square Feet		
L.F.....	Linear Feet	SS.....	Sanitary Sewer		
		SSD.....	Stopping Sight Distance		
		SSF.....	Super Silt Fence		
		STD.....	Standard		

DRAINAGE STRUCTURE STAKEOUT LOCATION



DRAINAGE BUBBLES (SAMPLES)

INLET .....	
MANHOLE .....	
JUNCTION BOX .....	
FIELD CONNECTION .....	
BEND .....	
END SECTION .....	
END WALL .....	
ADJUST EX. STRUCTURE .....	

MCDPS-SC/SWM SHEET NO. 2 OF 18

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.
STORMWATER MANAGEMENT ESDS AND WAIVERS _____ Reviewed _____ Date _____ Approved _____ Date _____ S.M. FILE NO. 285472	SEDIMENT CONTROL TECHNICAL REQUIREMENTS Reviewed _____ Date _____ Approved _____ Date _____	ADMINISTRATIVE REQUIREMENTS Reviewed _____ Date _____ XXXXXX SEDIMENT CONTROL PERMIT NO. _____ MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEAR FROM THE DATE OF APPROVAL. IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED

DPS APPROVAL OF A SEDIMENT CONTROL OR STORMWATER MANAGEMENT PLAN IS FOR DEMONSTRATED COMPLIANCE WITH MINIMUM ENVIRONMENTAL RUNOFF TREATMENT STANDARDS AND DOES NOT CREATE OR IMPLY ANY RIGHT TO DIVERT OR CONCENTRATE RUNOFF ONTO ANY ADJACENT PROPERTY WITHOUT THAT PROPERTY OWNER'S PERMISSION. IT DOES NOT RELIEVE THE DESIGN ENGINEER OR OTHER RESPONSIBLE PERSON OF PROFESSIONAL LIABILITY OR ETHICAL RESPONSIBILITY FOR THE ADEQUACY OF THE DRAINAGE DESIGN AS IT AFFECTS UPHILL OR DOWNHILL PROPERTIES

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. \_\_\_\_\_  
EXPIRATION DATE: \_\_\_\_\_



MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section \_\_\_\_\_ Date \_\_\_\_\_  
APPROVED

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

Designed by: \_\_\_\_\_ AMU \_\_\_\_\_ Drawn by: \_\_\_\_\_ JDG \_\_\_\_\_ Checked by: \_\_\_\_\_ RHD \_\_\_\_\_

INDEX OF SHEETS, LEGEND,  
AND ABBREVIATIONS

BOYDS TRANSIT  
IMPROVEMENTS

SCALE : NTS JUNE 2022

Project No. : 32207.003 SHEET 2 of 27





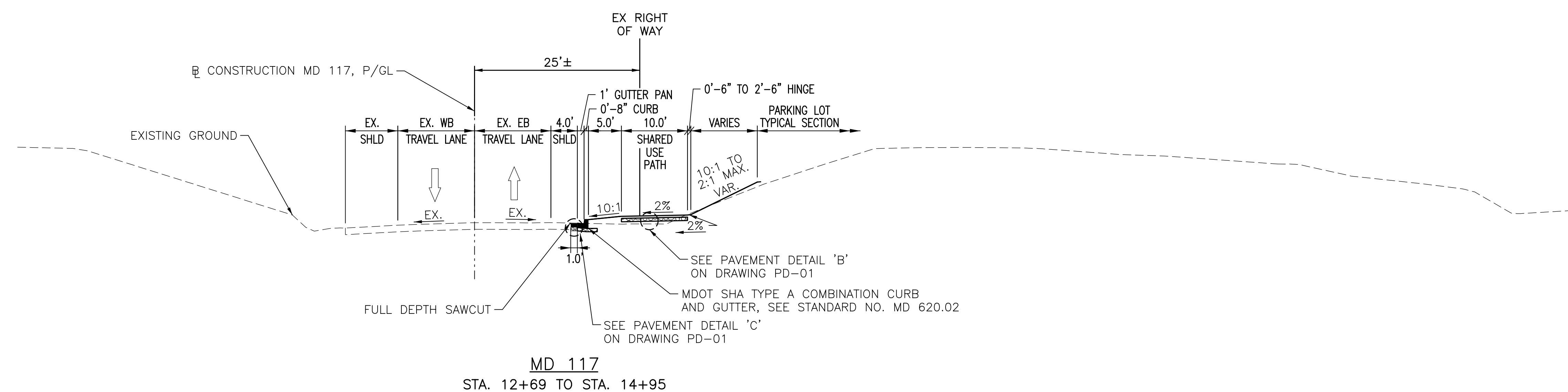
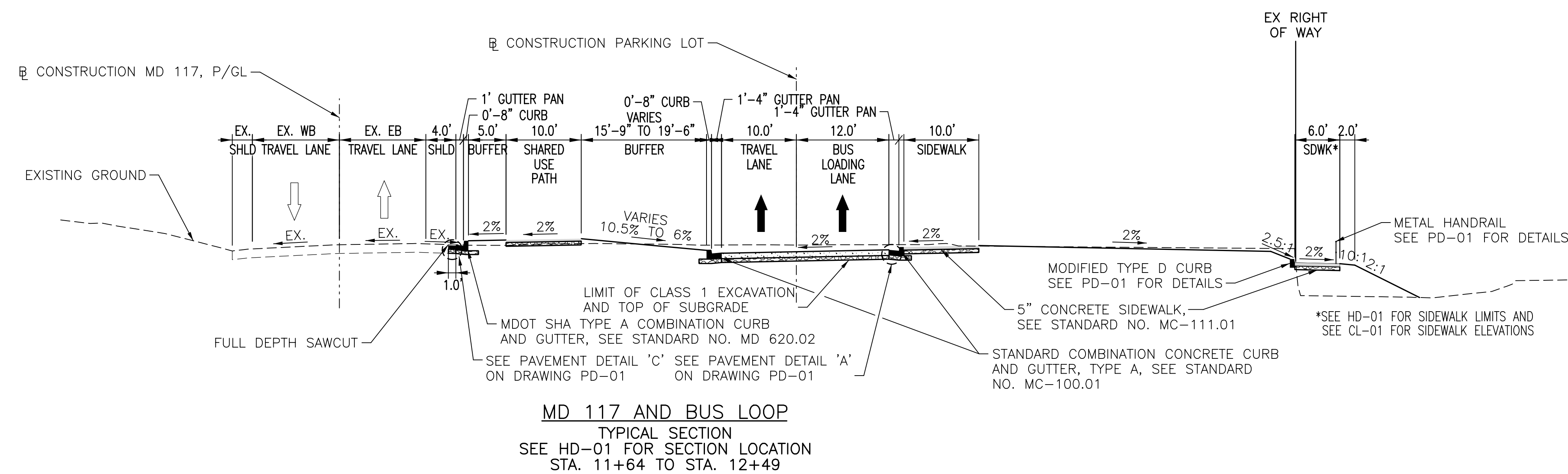
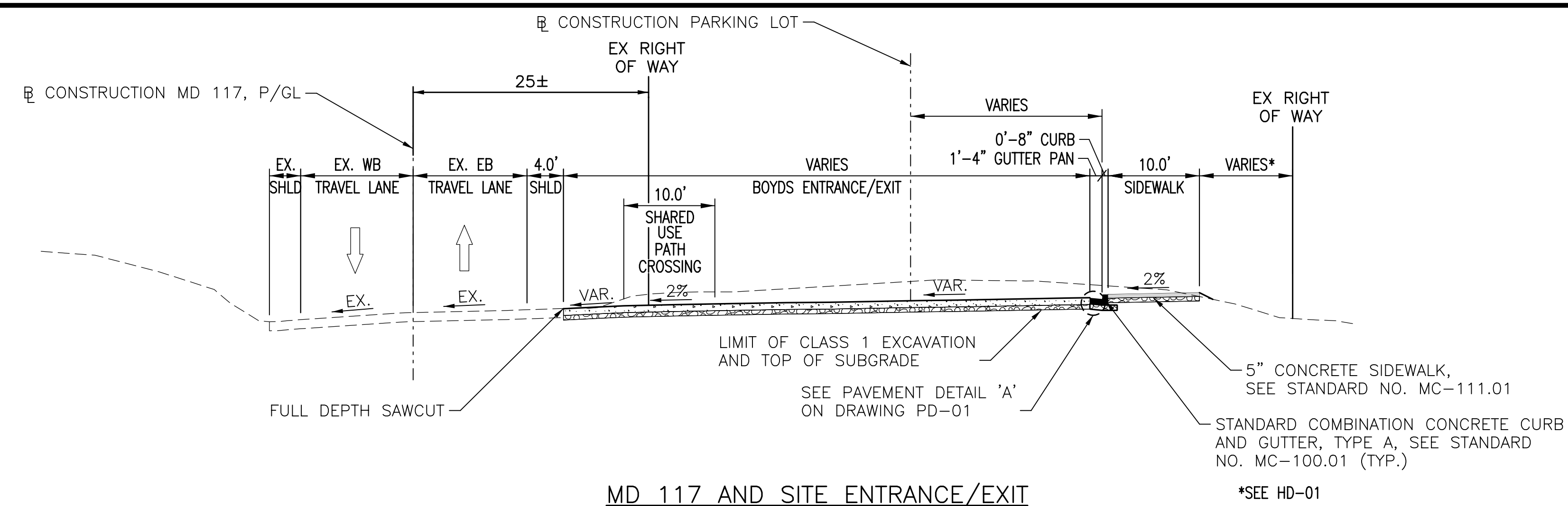












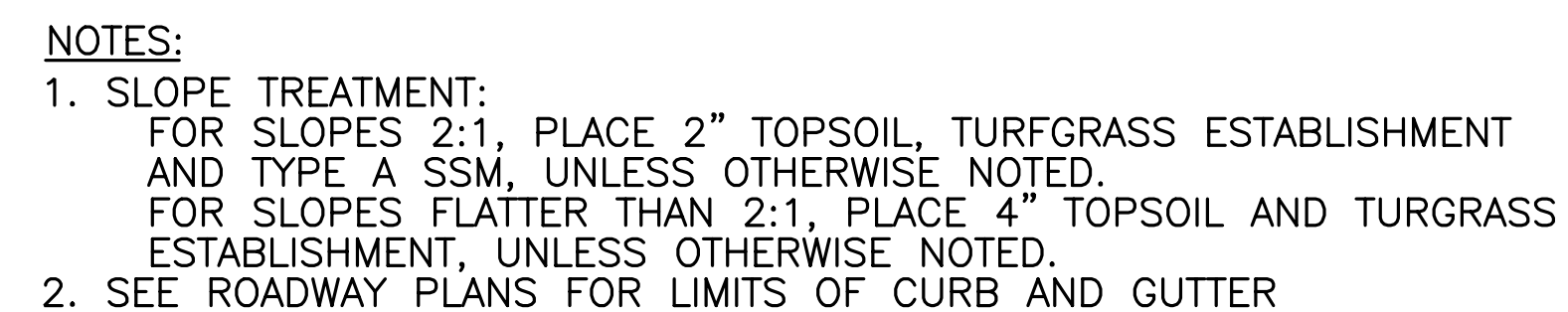
**NOTES:**  
1. SLOPE TREATMENT:  
FOR SLOPES 2:1, PLACE 2" TOPSOIL, TURFGRASS ESTABLISHMENT  
AND TYPE A SSM, UNLESS OTHERWISE NOTED.  
FOR SLOPES FLATTER THAN 2:1, PLACE 4" TOPSOIL AND TURFGRASS  
ESTABLISHMENT, UNLESS OTHERWISE NOTED.  
2. SEE ROADWAY PLANS FOR LIMITS OF CURB AND GUTTER

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				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		HT-01 TYPICAL SECTIONS	
				RECOMMENDED FOR APPROVAL		BOYDS TRANSIT IMPROVEMENTS	
				Chief, Transportation Planning and Design Section APPROVED		Date	
				Chief, Division of Transportation Engineering		Date	
				Designed by: <u>AMU</u> Drawn by: <u>AMU</u> Checked by: <u>PHD</u>		SCALE : 1" = 10'	
NO.      REVISION      DATE      BY				Project No. : <u>32207.003</u>		SHEET <u>6</u> of <u>27</u>	





HT-02 TYPICAL SECTIONS

BOYDS TRANSIT  
IMPROVEMENTS

SCALE : 1" = 10'	JUNE 2022
Project No. : <u>32207.003</u>	SHEET <u>7</u> of 27

				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		HT-02 TYPICAL SECTIONS	
				RECOMMENDED FOR APPROVAL			
				Chief, Transportation Planning and Design Section		Date	
				APPROVED			
				Chief, Division of Transportation Engineering		Date	
				Designed by: <u>AMU</u> Drawn by: <u>AMU</u> Checked by: <u>PHD</u>		SCALE : 1" = 10'	
NO.      REVISION      DATE      BY						Project No. : <u>32207.003</u> SHEET <u>7</u> of <u>27</u>	

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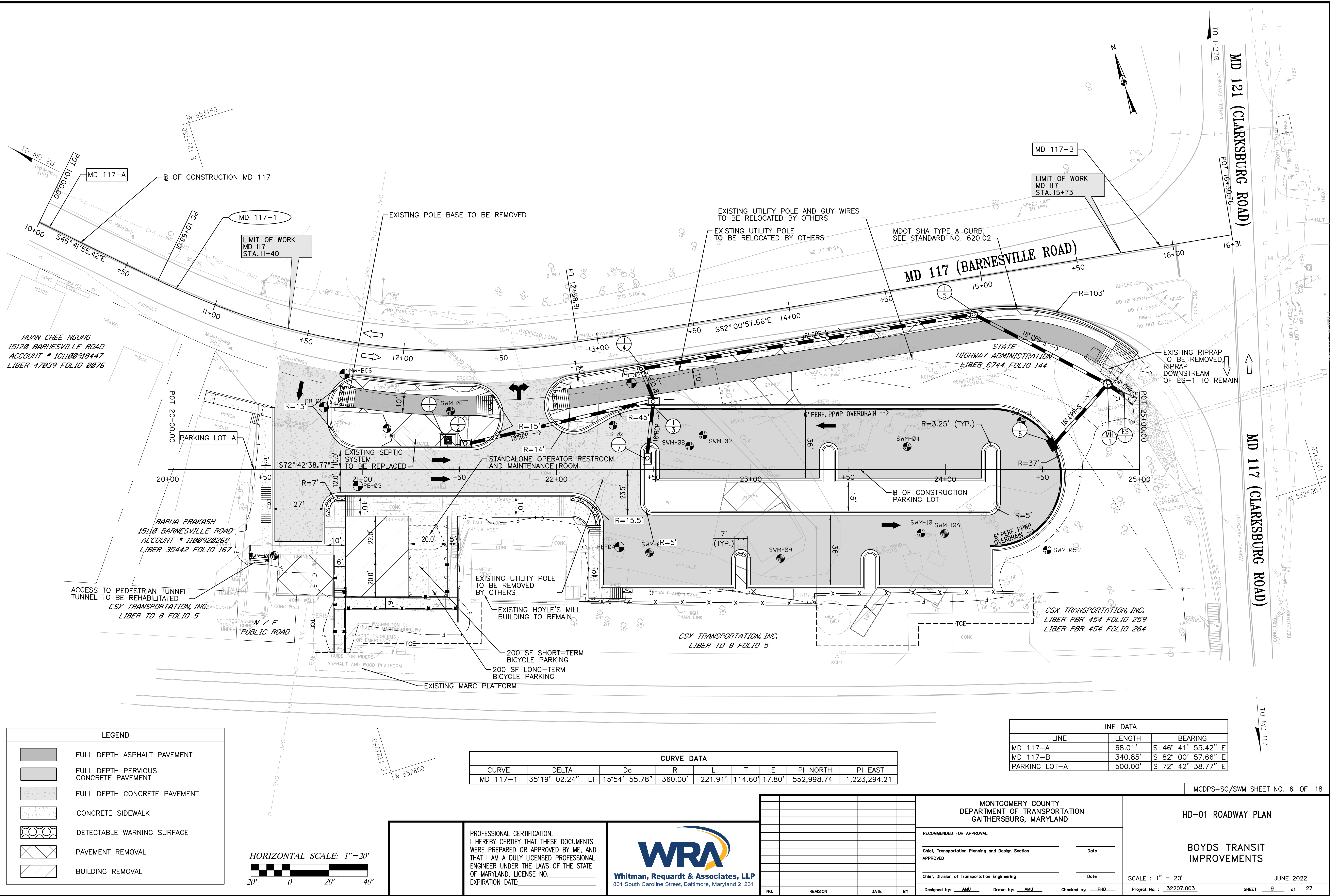
**Whitman, Requardt & Associates, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231







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6/10/2022

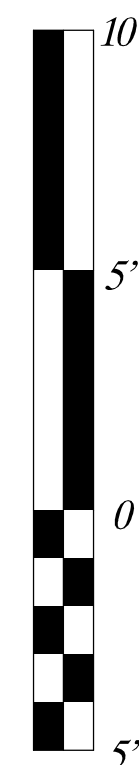


MCDPS-SC/SWM SHEET NO. 6 OF 18

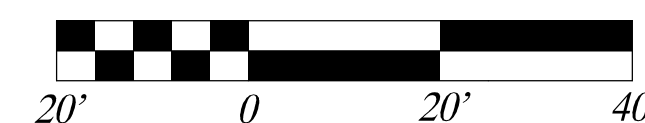








HORIZONTAL SCALE: 1"=20'



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OF MARYLAND, LICENSE NO. \_\_\_\_\_  
EXPIRATION DATE: \_\_\_\_\_



**Whitman, Requardt & Associates, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

P				
1				
NO.	REVISION	DATE	BY	

MONTGOMERY COUNTY  
DEPARTMENT OF TRANSPORTATION  
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section Date

APPROVED

Chief, Division of Transportation Engineering		Date
Designed by: <u>AMU</u>	Drawn by: <u>AMU</u>	Checked by: <u>PHD</u>

HP-01 ROADWAY PROFILE

BOYDS TRANSIT  
IMPROVEMENTS

SCALE : 1" = 20' H  
1" = 5' V  
JUNE 2022  
Project No. : 32207.003  
SHEET 11 of 27











## TEMPORARY TRAFFIC CONTROL REQUIREMENTS

- ## FLAGGING OPERATIONS

- PAVEMENT DROP-OFF

- PROFESSIONAL CERTIFICATION.  
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EXPIRATION DATE: \_\_\_\_\_



## INSPECTOR AUTHORITY

- CONTACT INFORMATION

- ### MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION

- |     |          |      |    |   |   |
|-----|----------|------|----|---|---|
|     |          |      |    | MONTGOMERY COUNTY<br>DEPARTMENT OF TRANSPORTATION<br>GAITHERSBURG, MARYLAND | TCP-A TRAFFIC CONTROL PLAN<br>GENERAL NOTES |
|     |          |      |    | RECOMMENDED FOR APPROVAL  |   |
|     |          |      |    | _____<br>Chief, Transportation Planning and Design Section<br>APPROVED      | _____<br>Date                               |
|     |          |      |    | _____<br>Chief, Division of Transportation Engineering                      | _____<br>Date                               |
| NO. | REVISION | DATE | BY | Designed by: <u>AMU</u> Drawn by: <u>AMU</u> Checked by: <u>PHD</u>         | SCALE : NTS SHEET 14 of 27                  |
|     |          |      |    | Project No. : <u>32207.003</u>  | JUNE 2022                                   |







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6/10/2022

## STANDARD EROSION AND SEDIMENT CONTROL NOTES

(JANUARY 2017, DPS NOTES)

- THE PERMITTEE SHALL NOTIFY THE DEPARTMENT OF PERMITTING SERVICES (DPS) FORTY-EIGHT (48) HOURS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITYAND, UNLESS WAIVED BY THE DEPARTMENT, SHALL BE REQUIRED TO HOLD A PRE-CONSTRUCTION MEETINGBETWEEN THEM OR THEIR REPRESENTATIVE, THEIR ENGINEER AND AN AUTHORIZED REPRESENTATIVE OF THE DEPARTMENT.
- THE PERMITTEE MUST OBTAIN INSPECTION AND APPROVAL BY DPS AT THE FOLLOWING POINTS:
  - AT THE REQUIRED PRE-CONSTRUCTION MEETING.
  - FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRIOR TO ANY OTHER LAND DISTURBING ACTIVITY.
  - DURING THE INSTALLATION OF A SEDIMENT BASIN OR STORMWATER MANAGEMENT STRUCTURE AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN).NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION IS MANDATORY.
  - PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
  - PRIOR TO FINAL ACCEPTANCE.
- THE PERMITTEE SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE, SHALL HAVE THEM INSPECTED AND APPROVED BY THE DEPARTMENT PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES, SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES, AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM THE DEPARTMENT.
- THE PERMITTEE SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARE(S). ALL MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARE(S) SHALL BE REMOVED IMMEDIATELY.
- THE PERMITTEE SHALL INSPECT PERIODICALLY AND MAINTAIN CONTINUOUSLY IN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE DEPARTMENT. THE PERMITTEE IS RESPONSIBLE FOR IMMEDIATELY REPAIRING OR REPLACING ANY SEDIMENT CONTROL MEASURES WHICH HAVE BEEN DAMAGED OR REMOVED BY THE PERMITTEE OR ANY OTHER PERSON.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
  - THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3H:1V); AND
  - SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST BE MINIMIZED AND STABILIZED IMMEDIATELY. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.
- THE PERMITTEE SHALL APPLY SOD, SEED, AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS WITHIN SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED ON THAT AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. ACTIVE CONSTRUCTION AREAS SUCH AS BORROW OR STOCKPILE AREAS, ROADWAY IMPROVEMENTS, AND AREAS WITHIN FIFTY (50) FEET OF A BUILDING UNDER CONSTRUCTION MAY BE EXEMPT FROM THIS REQUIREMENT. PROVIDED THAT EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED AND MAINTAINED TO PROTECT THOSE AREAS.
- PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE PERMITTEE SHALL STABILIZE ALL CONTRIBUTORY DISTURBED AREAS WITH REQUIRED SOIL AMENDMENTS AND TOPSOIL, USING SOD OR AN APPROVED PERMANENT SEED MIXTURE AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHEN THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN COMPLETED. DRAINAGE SHEET FLOW AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED WITHIN SEVEN (7) CALENDAR DAYS OF ESTABLISHMENT. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, AN APPROVED TEMPORARY SEED AND STRAW ANCHORED MULCH SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE COMPLETED PRIOR TO THE FOLLOWING APRIL 15.
- THE SITE PERMIT, WORK, MATERIALS, APPROVED SC/SWM PLANS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF MONTGOMERY COUNTY.
- SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOWS FROM TRAVERSING THE SLOPES OR BY INSTALLING MECHANICAL DEVICES TO LOWER THE WATER DOWNSLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF CUT OR FILL SLOPES UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED. FINAL GRADING DONE TO PROMOTE SHEET FLOW DRAINAGE. MECHANICAL DEVICES MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.
- PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITHIN THREE (3) CALENDAR DAYS OF ESTABLISHMENT WITH SOD OR SEED WITH AN APPROVED EROSION CONTROL MATTING OR BY OTHER APPROVED STABILIZATION MEASURES.
- SEDIMENT CONTROL DEVICES SHALL BE REMOVED, WITH PERMISSION OF THE DEPARTMENT, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.
- NO PERMANENT CUT OR FILL SLOPE WITH A GRADIENT STEEPER THAN 3:1 WILL BE PERMITTED IN LAWN MAINTENANCE AREAS OR ON RESIDENTIAL LOTS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON-MAINTENANCE AREAS PROVIDED THAT THOSE AREAS ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW-MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENT STEEPER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.
- THE PERMITTEE SHALL INSTALL A SPLASHBLOCK AT THE BOTTOM OF EACH DOWNSPOUT UNLESS THE DOWNSPOUT IS CONNECTED BY A DRAIN LINE TO AN ACCEPTABLE OUTLET.
- FOR FINISHED GRADING, THE PERMITTEE SHALL PROVIDE ADEQUATE GRADIENTS SO AS TO PREVENT WATER FROM STANDING ON THE SURFACE OF LAWNS MORE THAN TWENTY-FOUR (24) HOURS AFTER THE END OF A RAINFALL, EXCEPT IN DESIGNATED DRAINAGE COURSES AND SWALE FLOW AREAS, WHICH MAY DRAIN AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL.
- SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20 FEET OF A BUILDING WHICH IS EXISTING OR UNDER CONSTRUCTION. NO BUILDING MAY BE CONSTRUCTED WITHIN 20 FEET OF A SEDIMENT TRAP OR BASIN.
- ALL INLETS IN NON-SUMP AREAS SHALL HAVE ASPHALT BERMS INSTALLED AT THE TIME OF BASE PAVING ESTABLISHMENT.
- THE SEDIMENT CONTROL INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SEDIMENT CONTROL MEASURES, AS DEEMED NECESSARY.
- ALL TRAP ELEVATIONS ARE RELATIVE TO THE OUTLET ELEVATION, WHICH MUST BE ON EXISTING UNDISTURBED GROUND.
- VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL.

- SEDIMENT TRAP(S)/BASIN(S) SHALL BE CLEANED OUT AND RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO THE POINT OF ONE-HALF (1/2) THE WET STORAGE DEPTH OF THE TRAP/BASIN (1/4 THE WET STORAGE DEPTH FOR ST-III) OR WHEN REQUIRED BY THE SEDIMENT CONTROL INSPECTOR.
- SEDIMENT REMOVED FROM TRAPS/BASINS SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN.
- ALL SEDIMENT BASINS AND TRAPS MUST BE SURROUNDED WITH A WELDED WIRE SAFETY FENCE. THE FENCE MUST BE AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN TWO INCHES IN WIDTH AND FOUR INCHES IN HEIGHT, WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED IN GOOD CONDITION AT ALL TIMES.
- NO EXCAVATION IN THE AREA OF EXISTING UTILITIES IS PERMITTED UNLESS THEIR LOCATION HAS BEEN DETERMINED. CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK.
- OFF-SITE SPOIL OR BORROW AREAS MUST HAVE PRIOR APPROVAL BY DPS.
- SEDIMENT TRAP/BASIN DEWATERING FOR CLEANOUT OR REPAIR MAY ONLY BE DONE WITH THE DPS INSPECTOR'S PERMISSION. THE INSPECTOR MUST APPROVE THE DEWATERING METHOD FOR EACH APPLICATION. THE FOLLOWING METHODS MAY BE CONSIDERED:
  - PUMP DISCHARGE MAY BE DIRECTED TO ANOTHER ON-SITE SEDIMENT TRAP OR BASIN. PROVIDED IT IS OF SUFFICIENT VOLUME AND THE PUMP INTAKE IS FLOATED TO PREVENT AGITATION OR SUCTION OF A DEPOSITED SEDIMENTS; OR
  - THE PUMP INTAKE MAY UTILIZE A REMOVABLE PUMPING STATION AND MUST DISCHARGE INTO AN UNDISTURBED AREA THROUGH A NON-EROSIVE OUTLET; OR
  - THE PUMP INTAKE MAY BE FLOATED AND DISCHARGE INTO A DIRT BAG (12 OZ. NON-WOVEN FABRIC), OR APPROVED EQUIVALENT, LOCATED IN AN UNDISTURBED BUFFER AREA.

REMEMBER: DEWATER OPERATIONS AND METHODS MUST HAVE PRIOR APPROVAL BY THE DPS INSPECTOR.
- THE PERMITTEE MUST NOTIFY THE DEPARTMENT OF ALL UTILITY CONSTRUCTION ACTIVITIES WITHIN THE PERMITTED LIMITS OF DISTURBANCE PRIOR TO THE COMMENCEMENT OF THOSE ACTIVITIES.
- TOPSOIL MUST BE APPLIED TO ALL PERVIOUS AREAS WITHIN THE LIMITS OF DISTURBANCE PRIOR TO PERMANENT STABILIZATION IN ACCORDANCE WITH MDE "STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS."

## STANDARD SYMBOLS

EARTH DIKE .....		STABILIZED CONSTRUCTION ENTRANCE .....	
TEMPORARY SWALE .....		SOIL STABILIZATION MATTING .....	
PERIMETER DIKE/SWALE .....		ROCK OUTLET PROTECTION .....	
STONE CHECK DAM .....		GABIONS .....	
STONE OUTLET STRUCTURE .....		CLEAR WATER DIVERSION PIPE .....	
SILT FENCE .....		PIPE SLOPE DRAIN .....	
SUPER SILT FENCE .....		STONE/RIPRAP OUTLET SEDIMENT TRAP .....	
SILT FENCE ON PAVEMENT .....		PIPE OUTLET SEDIMENT TRAP .....	
STANDARD INLET PROTECTION .....		LIMIT OF DISTURBANCE .....	
AT GRADE INLET PROTECTION .....		EXISTING CONTOURS .....	
CURB INLET PROTECTION .....		PROPOSED CONTOURS .....	
MEDIAN INLET PROTECTION .....		WETLAND BOUNDARY .....	
GABION INFLOW PROTECTION .....		WETLAND BUFFER .....	
RIPRAP INFLOW PROTECTION .....		WATERS OF THE U.S. ....	
SUMP PIT .....		PUMP, CLEAR WATER DIVERSION .....	
REMOVABLE PUMPING STATION .....			
PORTABLE SEDIMENT TANK .....			
FILTER LOG .....			
TEMPORARY BERM .....			

## SITE INFORMATION. (NOT FOR BIDDING PURPOSES)

TOTAL AREA OF SITE \_\_\_\_\_ 1.30 ACRES  
AREA DISTURBED \_\_\_\_\_ 1.30 ACRES  
AREA TO BE ROOFED OR PAVED \_\_\_\_\_ 0.72 ACRES  
TOTAL CUT \_\_\_\_\_ 4,500 CU. YDS.  
TOTAL FILL \_\_\_\_\_ 1,300 CU. YDS.  
OFFSITE WASTE/BORROW \_\_\_\_\_  
AREA LOCATION (IF KNOWN) \_\_\_\_\_ N/A

## STORMWATER MANAGEMENT CONCEPT APPROVAL

<p>DEPARTMENT OF PERMITTING SERVICES</p> <p>Mark Elsch County Executive</p> <p>Mark Elsch County Executive</p> <p>March 23, 2022</p> <p>Mr. Jason Cosler, PE Whitman, Requardt &amp; Assoc. 801 South Carolina Street Baltimore, MD 21201</p> <p>Via email: jcosler@wralp.com</p> <p>Re: COMBINED STORMWATER MANAGEMENT CONCEPT/STORMWATER MANAGEMENT PLAN for Boyd Transit Center Address: 15100 Barnesville RD SM File #: 200472 Tract Size: 1.21 ac Total Concept Area: 1.21 ac Watershed: Seneca Creek</p> <p>Dear Mr. Cosler:</p> <p>Based on a review by the Department of Permitting Services Review Staff, the stormwater management concept for the above mentioned site is acceptable. The stormwater management concept proposes to meet required stormwater management goals via permeable paving. This approval includes the granting of a partial waiver from the requirements to provide on-site SWM.</p> <p>The following items will need to be addressed during the detailed sediment control/stormwater management plan stage:</p> <ol style="list-style-type: none"><li>A detailed review of the stormwater management computations will occur at the time of detailed plan review.</li><li>An engineered sediment control plan must be submitted for this development.</li><li>All facilities must be designed using latest available MCDPS guidance documents.</li></ol> <p>This list may not be all-inclusive and may change based on available information at the time.</p> <p>Payment of a stormwater management contribution in accordance with Section 2 of the Stormwater Management Regulation 4.00 is required.</p> <p>DPS Division of Land Development Services</p> <p>251 Rockville Pike, 2nd Floor, Rockville, Maryland 20850   246-777-0311 www.montgomerycountymd.gov/permitsandinspections</p>	<p>Mr. Jason Cosler, PE March 23, 2022 Page 2 of 2</p> <p>This letter must appear on the sediment control/stormwater management plan at its initial submittal. This concept approval is based on all stormwater management structures being located outside of the Public Utility Easement, the Public Improvement Easement, and the Public Right of Way unless specifically approved on the concept plan. Any divergence from the information provided to this office, or additional information received during the development process, or a change in an applicable Executive Regulation may constitute grounds to rescind or amend any approval actions taken, and to re-evaluate the site for additional or amended stormwater management requirements. If there are subsequent additions or modifications to the development, a separate concept request shall be required.</p> <p>If you have any questions regarding these actions, please feel free to contact Mary Fertig at 246-777-6340 or at mary.fertig@montgomerycountymd.gov.</p> <p>Sincerely,</p> <p>Mark C. Elshorst, Manager Water Resources Section Division of Land Development Services</p> <p>MCE: MWF CC: N. Braunstein SM File #: 200472</p> <p>EEO: Required/Prohibited 0.26% of 13,126 of FF: Required/Prohibited 2.27% of 13,126 of STRUCTURE: N/A WATERSHED: 13.12 ac</p>
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## MISS UTILITY

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

### DESIGN CERTIFICATION

"I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II, INCLUDING SUPPLEMENTS, THE ENVIRONMENT ARTICLE SECTIONS 4-101 THROUGH 116 AND SECTIONS 4-201 AND 215, AND THE CODE OF MARYLAND REGULATIONS (COMAR) 26.17.01 AND COMAR 26.17.02 FOR EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT, RESPECTIVELY."

NAME	SIGNATURE
28467	JUNE 6, 2022
MARYLAND, REGISTRATION NUMBER, (P.E.), R.L.S. OR R.L.A. (circle)	DATE

### PROFESSIONAL CERTIFICATION

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. 28467

EXPIRATION DATE: 12/20/2022

MCDPS-SC/SWM SHEET NO. 9 OF 18

EN-01 EROSION AND SEDIMENT GENERAL CONTROL NOTES

BOYDS TRANSIT IMPROVEMENTS

SCALE : NONE JUNE 2022

Project No. : 32207.003 SHEET 16 of 27

### RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section Date

APPROVED

Chief, Division of Transportation Engineering Date

Designed by: ABR Drawn by: ABR Checked by: JDC

NO.

REVISION

DATE

BY



Whitman, Requardt & Associates, LLP  
801 South Carolina Street, Baltimore, Maryland 21231

PROFESSIONAL CERTIFICATION.  
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EXPIRATION DATE: \_\_\_\_\_









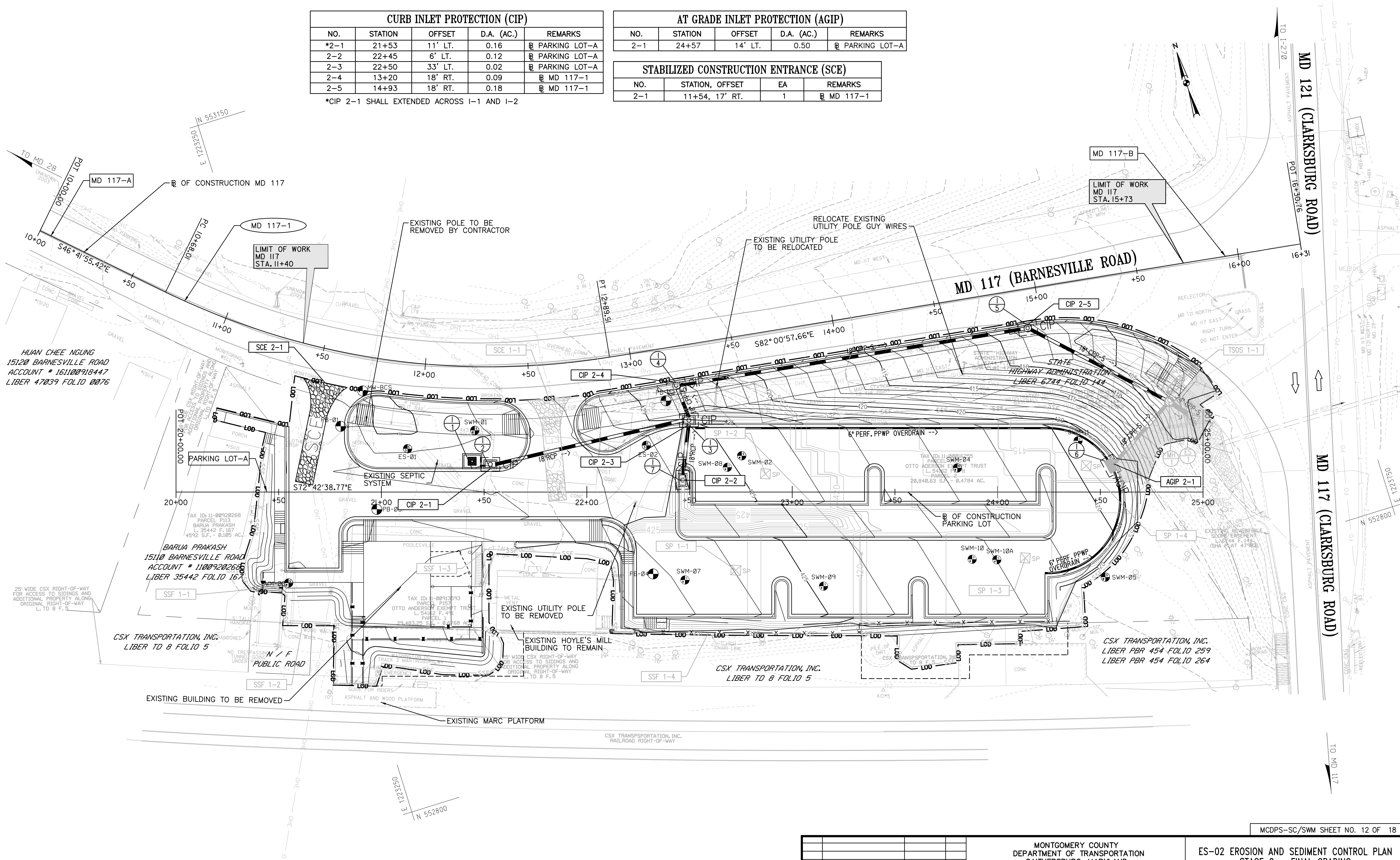


CURB INLET PROTECTION (CIP)				
NO.	STATION	OFFSET	D.A. (AC.)	REMARKS
*2-1	21+53	11' LT.	0.16	RE PARKING LOT-A
2-2	22+45	6' LT.	0.12	RE PARKING LOT-A
2-3	22+50	33' LT.	0.02	RE PARKING LOT-A
2-4	13+20	18' RT.	0.09	RE MD 117-1
2-5	14+93	18' RT.	0.18	RE MD 117-1

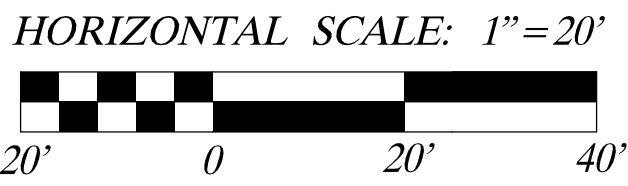
\*CIP 2-1 SHALL EXTENDED ACROSS I-1 AND I-2

AT GRADE INLET PROTECTION (AGIP)				
NO.	STATION	OFFSET	D.A. (AC.)	REMARKS
2-1	24+57	14' LT.	0.50	RE PARKING LOT-A

STABILIZED CONSTRUCTION ENTRANCE (SCE)			
NO.	STATION, OFFSET	EA	REMARKS
2-1	11+54, 17' RT.	1	RE MD 117-1



LEGEND	
	SAME DAY STABILIZATION



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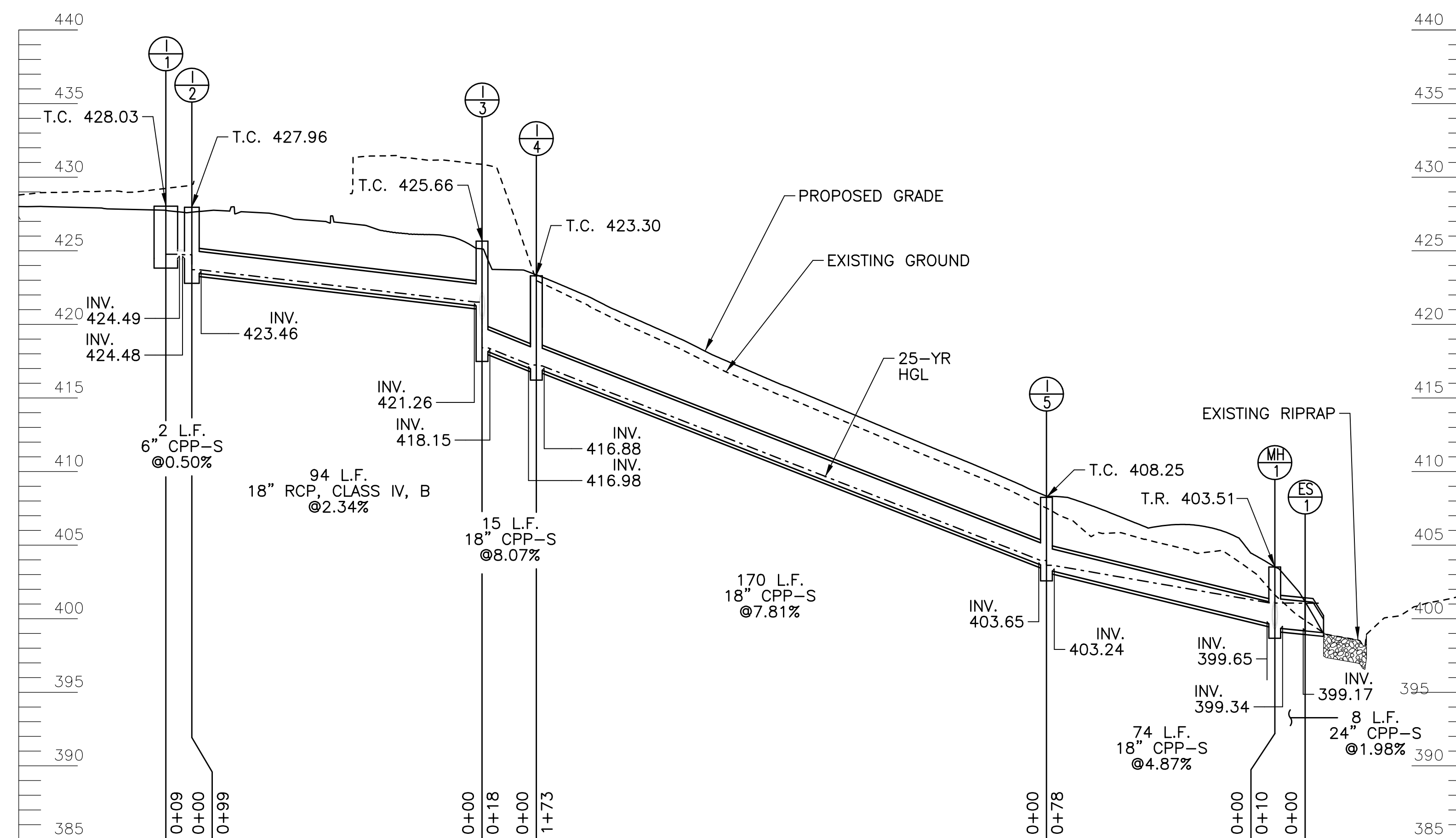
**Whitman, Requardt & Associates, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
Chief, Transportation Planning and Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date
Designed by: <u>ABR</u>	Drawn by: <u>ABR</u>
Checked by: <u>JDC</u>	

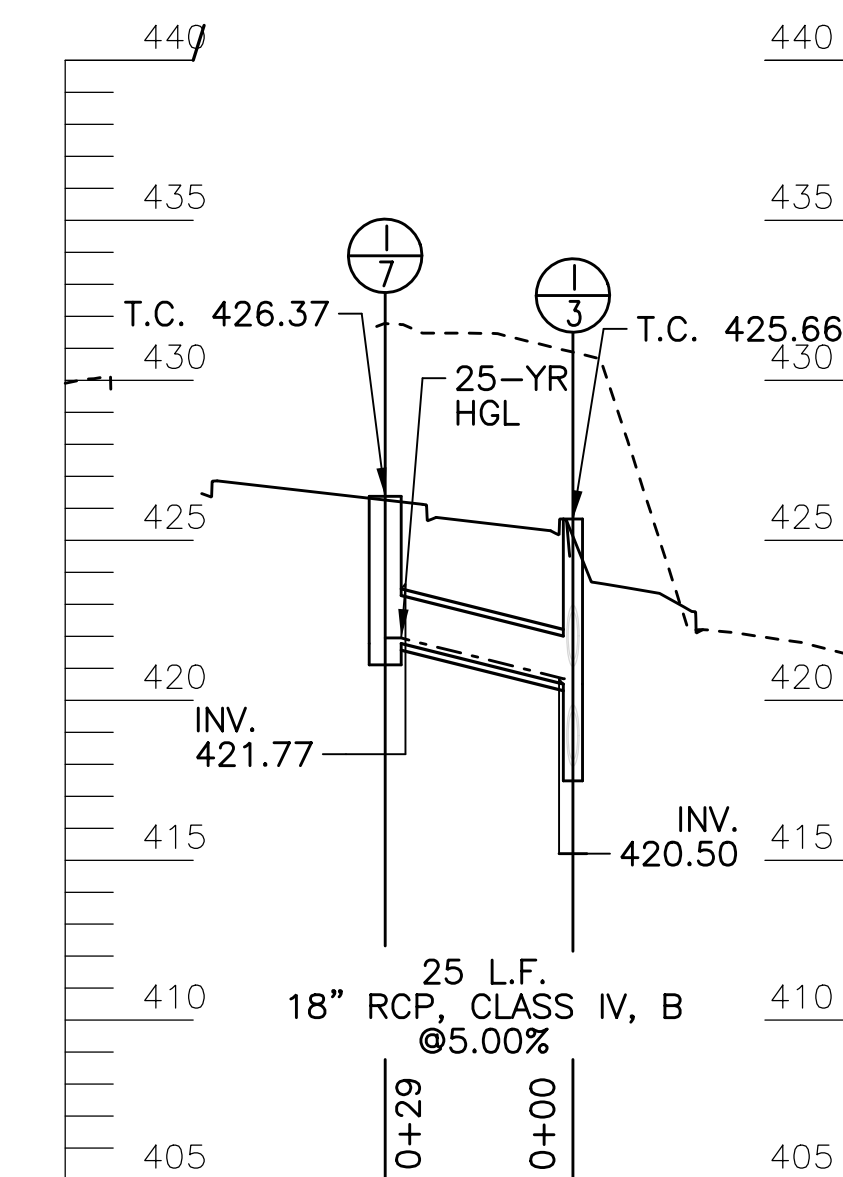
ES-02 EROSION AND SEDIMENT CONTROL PLAN STAGE 2 - FINAL GRADING	
BOYDS TRANSIT IMPROVEMENTS	
SCALE : 1" = 20'	JUNE 2022
Project No. : <u>32207.003</u>	SHEET <u>19</u> of <u>27</u>





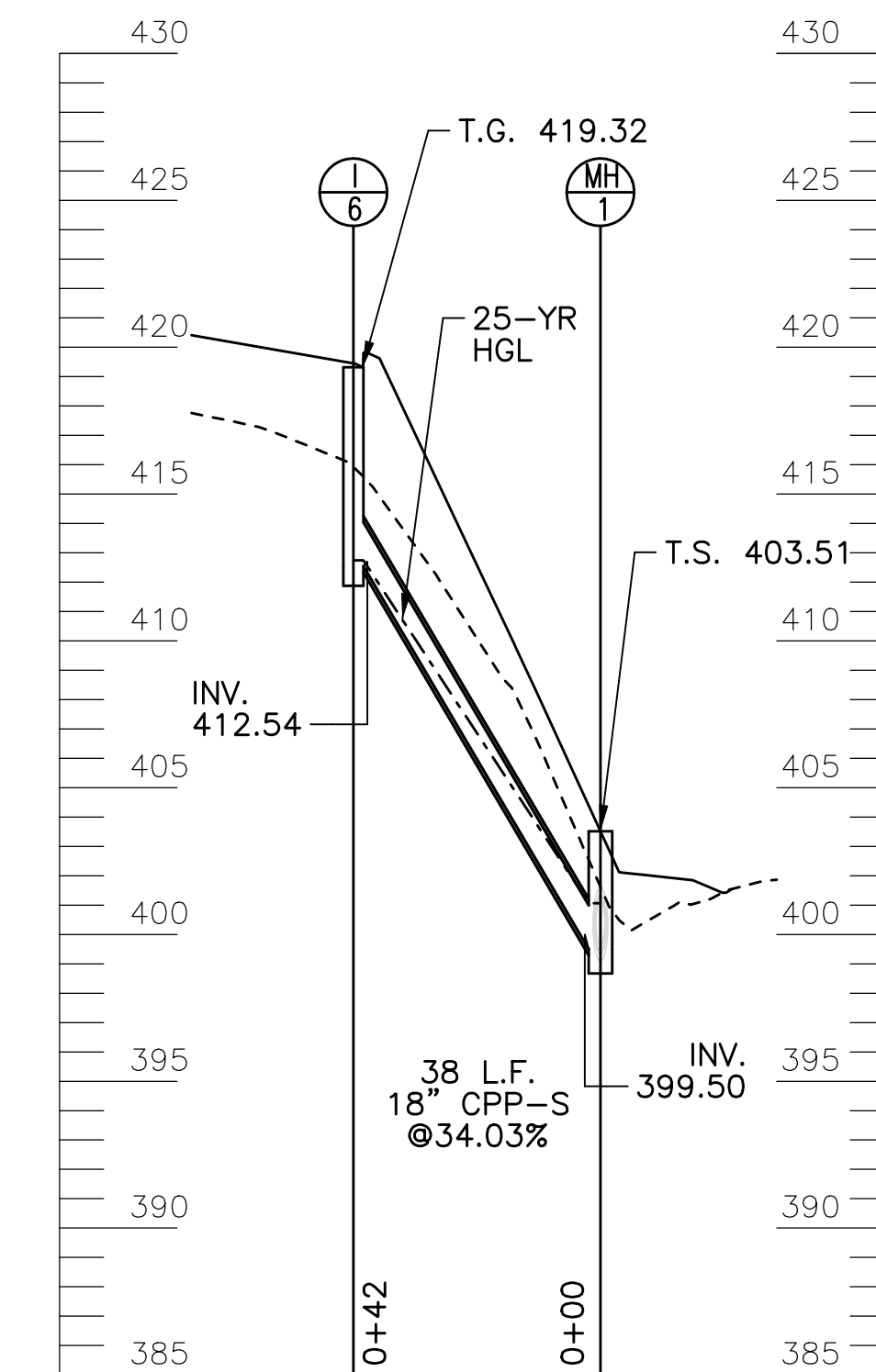
STA 21+44, LT B PARKING LOT-A LT TO STA 15+63, RT B MD 117-1

HORI SCALE: 1"=30'  
VERT SCALE: 1"=6'



STA 22+45, LT R PARKING LOT-A LT TO  
STA 22+50, LT R PARKING LOT-A

HORI SCALE: 1"=30'  
VERT SCALE: 1"=6'



STA 24+57, LT ~~B~~ PARKING LOT-A LT TO  
STA 15+63, RT ~~B~~ MD 117-1

HORI SCALE: 1"=30'  
VERT SCALE: 1"=6'





MCDPS-SC/SWM SHEET NO. 14 OF 18

SCALE : 1" = 1'	JUNE 2022
Project No. : 32207.003	SHEET 21 of 27

Chief, Division of Transportation Engineering Date

[illegible]

PROFESSIONAL CERTIFICATION.  
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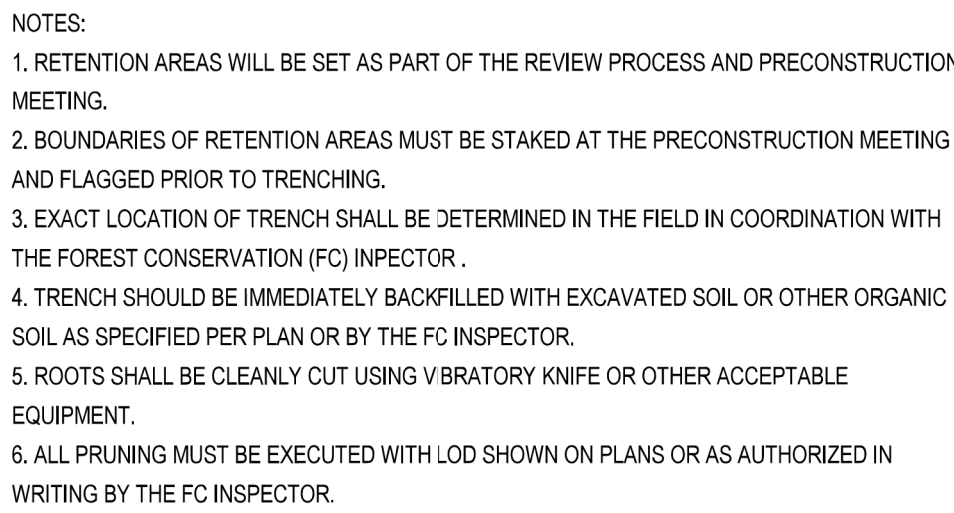
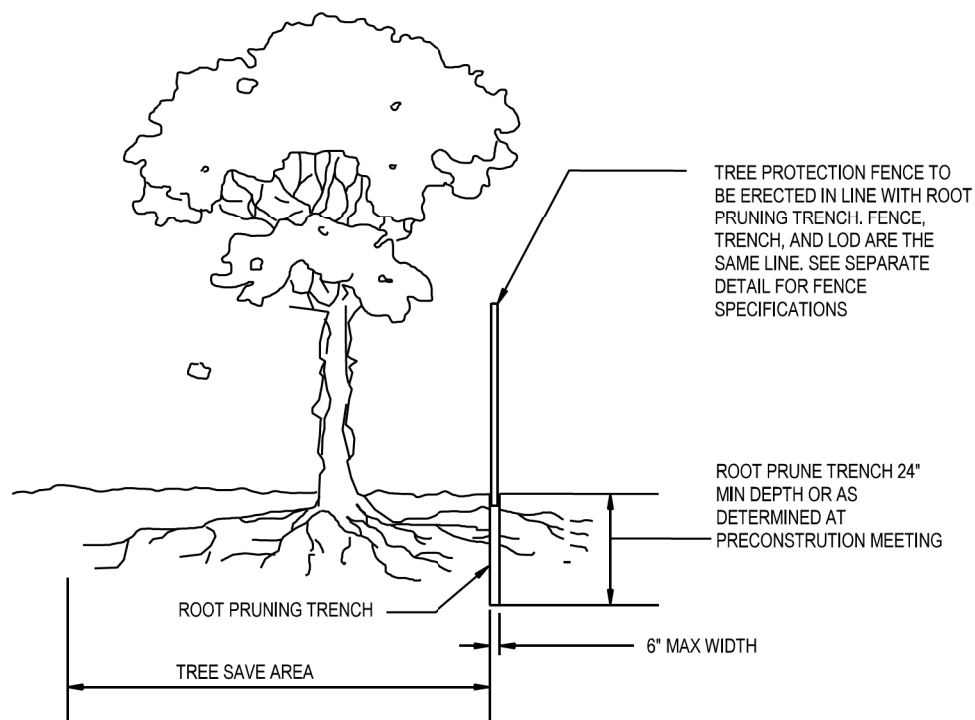
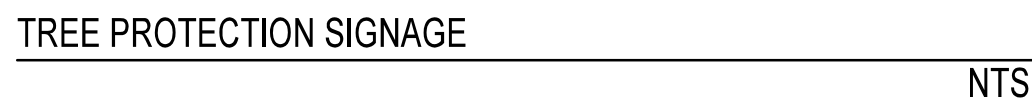












## NOTES

1. Practice may be combined with sediment control fencing.
2. Location and limits of fencing should be coordinated in field with arborist.
3. Boundaries of protection area should be staked prior to installing protective device.
4. Root damage should be avoided.
5. Protection signage is required.
6. Fencing shall be maintained throughout construction.

**MAHAN RYKIEL**  
LANDSCAPE ARCHITECTURE  
URBAN DESIGN & PLANNING

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