

DRILL HOLES

DRILL HOLES

DRILL HOLES

BY: MWEISMANTEL

INDEX OF SHEETS

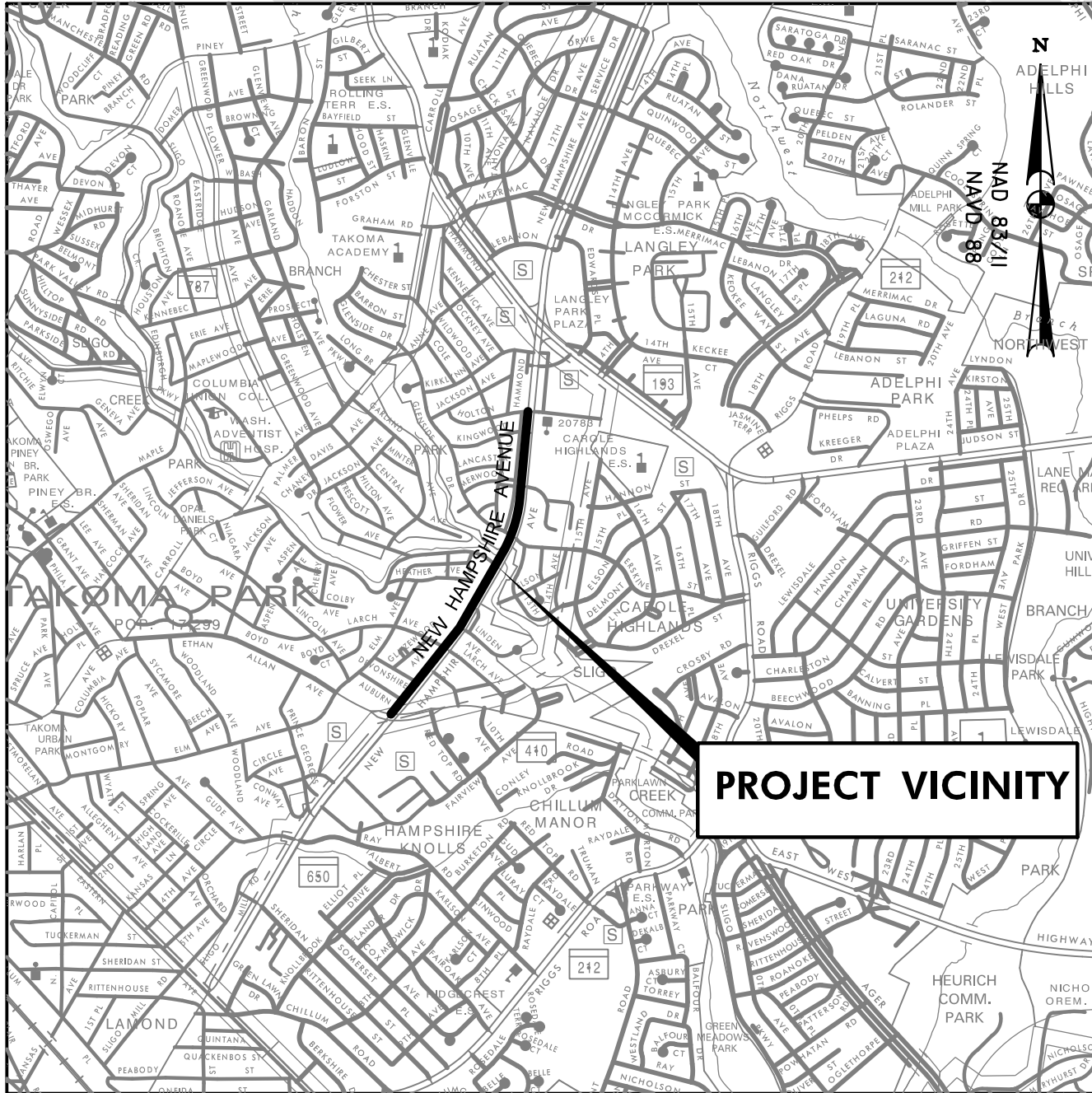
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THE CITY OF TAKOMA PARK
AND THE METROPOLITAN WASHINGTON
COUNCIL OF GOVERNMENTS (MWCOC)

PLANS OF PROPOSED BIKEWAY
MWCOC CONTRACT NO. 17-015

NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

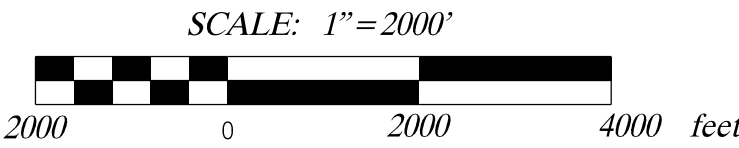
30% SUBMISSION
APRIL 2017



MONTGOMERY COUNTY

LENGTH OF PROJECT:
NEW HAMPSHIRE AVENUE (MD 650) = 0.79 miles

HORIZONTAL DATUM	NAD 83 /11
VERTICAL DATUM	NAVD 88



R-O-W PLAT NUMBERS	SURVEY BOOK NUMBERS

REVISIONS	

AASHTO DESIGN CRITERIA

THIS PROJECT WAS DESIGNED IN ACCORDANCE WITH THE 2011 (6TH EDITION) PUBLICATION OF AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."

STANDARD SPECIFICATIONS BOOK,
BOOK OF STANDARDS AND MUTCD

ALL WORK ON THIS PROJECT SHALL CONFORM TO: THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATIONS SPECIFICATIONS ENTITLED STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS DATED JULY 2008 REVISIONS THEREOF OR ADDITIONS THERETO; THE SPECIAL PROVISIONS INCLUDED IN THE INVITATION FOR BIDS BOOK; THE ADMINISTRATIONS BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES AND THE LATEST ADOPTED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

RIGHT OF WAY

RIGHT OF WAY AND EASEMENT LINES SHOWN ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING THE PLANS. THEY ARE NOT OFFICIAL. FOR OFFICIAL FEE RIGHT OF WAY AND EASEMENT INFORMATION, SEE THE APPROPRIATE RIGHT OF WAY PLATS.

UTILITIES

THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE OF THE ACCURACY OF SAID LOCATIONS.

COMPLETENESS OF DOCUMENTS

THE CITY OF TAKOMA PARK SHALL ONLY BE RESPONSIBLE FOR THE COMPLETENESS OF DOCUMENTS OBTAINED DIRECTLY FROM THE STATE HIGHWAY ADMINISTRATION'S CASHIER'S OFFICE. FAILURE TO ATTACH ADDENDA MAY CAUSE THE BID TO BE IRREGULAR.

ADA COMPLIANCE

THE DESIGN OF THIS PROJECT HAS INCORPORATED FACILITIES FOR THE ELDERLY AND HANDICAPPED IN COMPLIANCE WITH THE STATE AND FEDERAL LEGISLATION

ENVIRONMENTAL INFORMATION

ALL STORMWATER MANAGEMENT FACILITIES CONSTRUCTED FOR THIS CONTRACT SHALL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE CITY OF TAKOMA PARK MUNICIPAL CODE TITLE 16 (SECTIONS 16.04.210 THROUGH 16.04.260).

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDER DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND SEVEN DAYS (7) AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

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.



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SURVEY
BOOK NO.

\\balsrv06\\v2016\\2016\\16217_NewAveBike\\CADD\\plans\\pGN-T000_NewAveBike.dgn
Wednesday, April 26, 2017 AT 01:41 PM

ABBREVIATIONS

AASHTO American Association of State Highway Transportation Officials	HDWL..... Headwall	RW or RW... Right of Way
ADT.....Average Daily Traffic	HERCP..... Horizontal Elliptical Reinforced Concrete Pipe	RCP Reinforced Concrete Pipe
AHD..... Ahead	HP.....High Point	RCPP Reinforced Concrete Pressure Pipe
APPROX.....Approximate	IN.....Inch	R.Q.D. Rock Quality Designation
BL or BL.....Baseline	I.S.T.....Inlet Sediment Trap	R.M. Rootmat
BK Back /Book	INV.....Invert	S South
BIT. Bituminous	J.B.....Junction Box	SAN. Sanitary Sewer
B.C..... Bituminous Concrete	K K Inlet	SB or SB Southbound
B.M..... Bench Mark	L Length	S.D. Storm Drain
BOT..... Bottom	LF Linear Feet	S.D.D. Surface Drain Ditch
C.C. Center of Curve	L.L..... Liquid Limit	SE Super Elevation
CAP..... Corrugated Aluminum Pipe	LP Low Point	SF Silt Fence
CAPA..... Corrugated Aluminum Pipe Arch	L.P. Light Pole	SF Square Feet
CATV..... Cable Television	LT..... Left	SHT. Sheet
C.B.R..... California Bearing Ratio	MAC.....Macadam	SPP Structural Steel Plate Pipe
CL or CL..... Centerline	M.C. Moisture Content	SPPA Structural Steel Plate Pipe Arch
CL Class	MAX. Maximum	S.P.T. Standard Penetration Testing
CLF..... Chainlink Fence	M.D.D..... Maximum Dry Content	SRP Steel Spiral Rib Pipe – Aluminized Type 2
CMP..... Corrugated Metal Pipe	MOD..... Modified	SRPA Steel Spiral Rib Pipe Arch – Aluminized Type 2
C.O..... Cleanout	MIN..... Minimum	
COMB..... Combination	N..... North	
CONC..... Concrete	NB Northbound	
CONSTR. Construction	NE Northeast	
COR..... Corner	N.P. Non–Plastic	
CORR..... Correction	O.C. On Center	
CPP–S Corrugated Polyethylene Pipe – Type ‘S’	OHE..... Overhead Electric	
CSP Corrugated Steel Pipe – Aluminized Type 2	O.M. Optimum Moisture	
CSPA Corrugated Steel Pipe Arch – Aluminized Type 2	PAV T..... Pavement	
DC.....Degree of Curve	PC Point of Curvature	
D.H.V.....Design Hourly Volume	PCC Point of Compound Curvature	
D.I..... Drop Inlet	PC Point of Crown	
DIA..... Diameter	PGE Profile Grade Elevation	
D.O..... Double Opening	P.G.E..... Profile Ground Elevation	
E East	P.G.L..... Profile Grade Line	
E Electric	PGL..... Profile Ground Line	
E External Distance	P/R Point of Rotation	
EA Each	P.I. Plasticity Index	
EB Eastbound	PI Point of Intersection	
ELEV..... Elevation	POC Point On Curve	
ES End Section	POT Point On Tangent	
EX or EXIST.....Existing	PPWP Polyvinyl Chloride Profile Wall Pipe	
FT Feet	PROP Proposed	
F or FL Flowline	PRC Point of Reverse Curve	
F.B.D. Flat Bottom Ditch	PT Point	
F.H..... Fire Hydrant	PT Point of Tangency	
FWD..... Forward	PVC Point of Vertical Curve	
G Gas	PVC Polyvinyl Chloride	
G.V..... Gas Valve	PVI Point of Vertical Intersection	
H.B..... Handbox	PVRC Point of Vertical Reverse Curve	
HDPE High Density Polyethylene	PVT Point of Vertical Tangency	
	R Radius	
	R.F. Rock Fragments	
	RT Right	

GENERAL NOTES

1. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ON THESE PLANS ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS CONCERNED AND MISS UTILITY PRIOR TO CONSTRUCTION ACTIVITIES.THE CONTRACTOR SHALL CALL "MISS UTILITY" AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATION WORK AT 1-800-257-7777.
2. THE CONTRACTOR SHALL PROTECT AND NOT INTERRUPT EXISTING UTILITY SERVICES UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. SEE UTILITY STATEMENT.
3. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SAFETY OF THE PUBLIC AND ALL WORKERS IS MAINTAINED AT ALL TIMES THROUGHOUT THE TERM OF THE CONTRACT. MOTORISTS SHALL BE GUIDED IN A CLEAR AND POSITIVE MANNER WHILE APPROACHING AND PASSING THROUGH CONSTRUCTION WORK AND EQUIPMENT AREAS.
4. HORIZONTAL CONTROL: THE LOCATION AND ELEVATION OF BENCH MARKS ARE SHOWN ON THE PLANS. ALL ELEVATIONS ARE IN FEET AND ARE BASED ON THE NAVD 88.
5. WHERE REFERENCE IS MADE TO MDSA STANDARD PLATES IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE IN HIS POSSESSION THE LATEST UP-TO-DATE STANDARD PLATES AS OF THE DATE OF ADVERTISEMENT OF THESE PLANS. STANDARD PLATES ARE AVAILABLE AT WWW.MARYLANDROADS.COM.
6. THE CONTRACTOR SHALL GRADE FOR POSITIVE DRAINAGE AT ALL ROADWAY INTERSECTIONS, ENTRANCES AND YARDS.
7. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION SHALL BE MADE AT NO ADDITIONAL COST TO THE CITY, THE ADMINISTRATION OR THE OWNER.
8. PROVIDE 4-INCH FURNISHED TOPSOIL AND TURFGRASS SOD ESTABLISHMENT ON SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
9. MATERIAL REMOVED DURING CONSTRUCTION SHALL BECOME THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
10. THE CONTRACTOR SHALL RESET ANY SIGN POSTS OR MAIL BOXES TO FACILITATE THE WORK,EXCEPT WHERE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
11. FINAL DETERMINATION AS TO THE LOCATION OF EROSION AND SEDIMENT CONTROLS WILL BE AT THE DIRECTION OF THE ENGINEER WHO RESERVES THE RIGHT TO ORDER ADDITIONAL E&S DEVICES.
12. CONSTRUCTION EQUIPMENT SHALL HAVE TREADS/TIRES CLEANED PRIOR TO LEAVING THE LOD.ALL MATERIAL REMOVAL/LOAD OUT SHALL BE LIFTED FROM THE LOD.ALL SEDIMENT SPILLED,DROPPED OR TRACKED ONTO THE ROAD MUST BE REMOVED IMMEDIATELY BY VACUUMING,SCRAPING OR SWEEPING.
13. SEVERAL PROPOSED DRAINAGE STRUCTURES AND PIPES WILL CONNECT TO EXISTING STORM DRAIN STRUCTURES AND PIPES.THE CONTRACTOR SHALL FIELD VERIFY INVERTS PRIOR TO ORDERING,FABRICATING OR CONSTRUCTING PROPOSED STORM DRAIN STRUCTURES.

CONVENTIONAL SIGNS (SAMPLES)

PROPOSED MEDIAN BARRIER		PROPOSED PIPE / CULVERT	
ELECTRICAL HAND BOX – SIGNALS		EXISTING PIPE / CULVERT	
FLOW LINE		EXISTING DROP INLET	
STATE,COUNTY OR CITY LINES		UTILITY POLE	
PROPOSED TRAFFIC BARRIER		WETLAND	
EXISTING TRAFFIC BARRIER		WETLAND BUFFER	
PROPOSED FENCE LINE		WATERS OF THE U.S.	
EXISTING FENCE LINE			
RIGHT OF WAY LINE		HEDGE /TREE LINE	
EXISTING ROADWAY		BUSH /TREE	
RAILROAD		CONIFEROUS TREE	
BASE LINE OR SURVEY LINE		GROUND ELEVATION	
FIRE HYDRANT		GRADE ELEVATION	
HISTORIC BOUNDARY			
WATERS OF THE U.S.			
WETLAND BOUNDARY			

THE CITY OF TAKOMA PARK AND METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

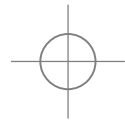
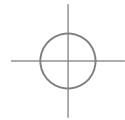
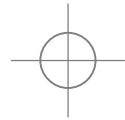
ABBREVIATIONS, GENERAL NOTES & INDEX

SCALE _N.T.S._	DATE _APRIL 2017_	CONTRACT NO. _T.B.D._
DESIGNED BY _WRW_	COUNTY _MONTGOMERY_	
DRAWN BY _TJS_	LOGMILE _MD 650 0.040- 0.830_	
CHECKED BY _RJG/NG_		
F.A.P. NO. _T.B.D._		
DRAWING NO. PS01	1 OF 1	SHEET NO. 2 OF 12



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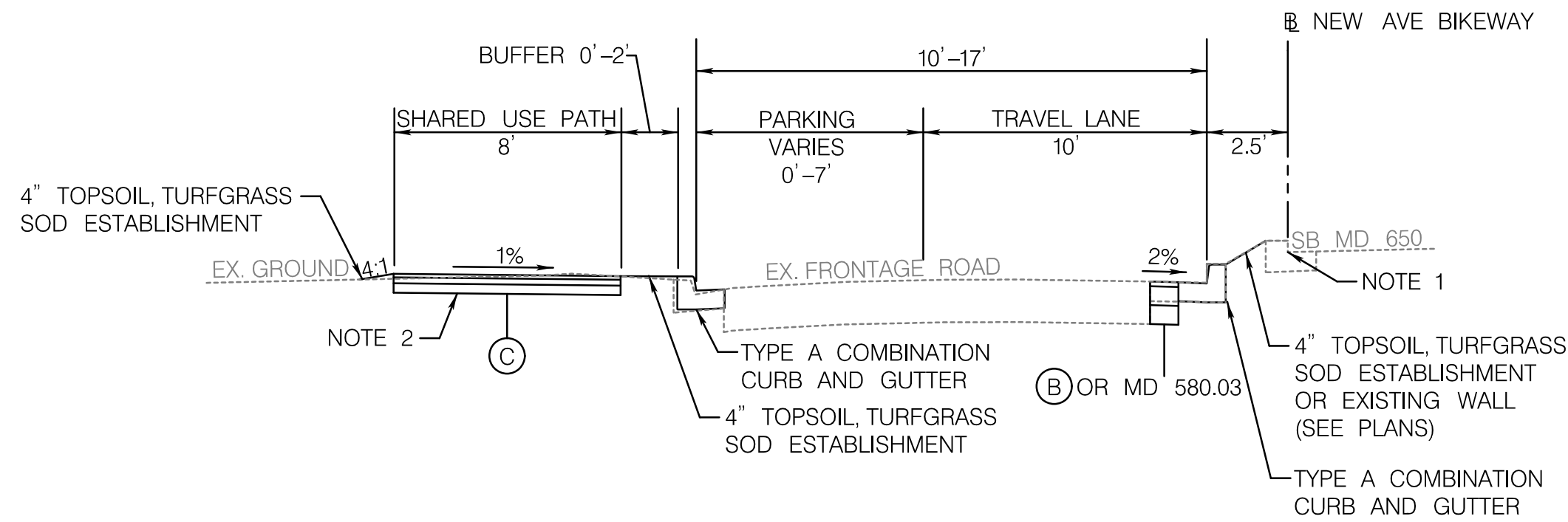
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TYPICAL SECTION LEGEND (SEE NOTE 4)

- (A) BASE WIDENING
- (B) NARROW BASE WIDENING
- (C) PERVIOUS ASPHALT PATH
- (D) ASPHALT PATH

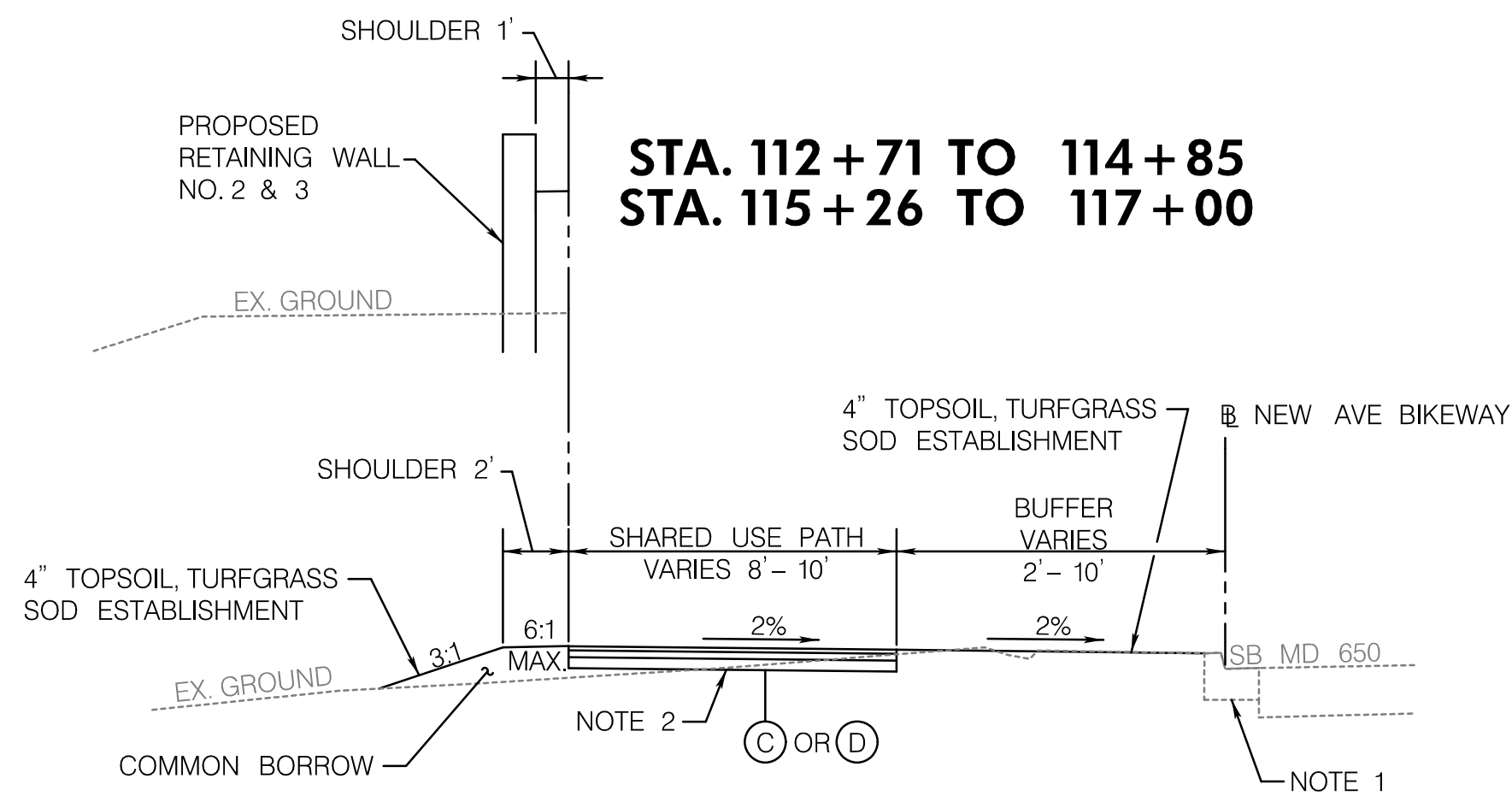
NOTES

1. EXISTING CURB AND GUTTER TO REMAIN.
2. LIMIT OF CLASS 1 EXCAVATION AND TOP OF SUBGRADE.
3. SEE PLANS FOR GRADING LIMITS.
4. SEE DT-01 FOR PAVEMENT DETAILS.
5. SHARED USE PATH = SUP.



NEW AVENUE BIKEWAY

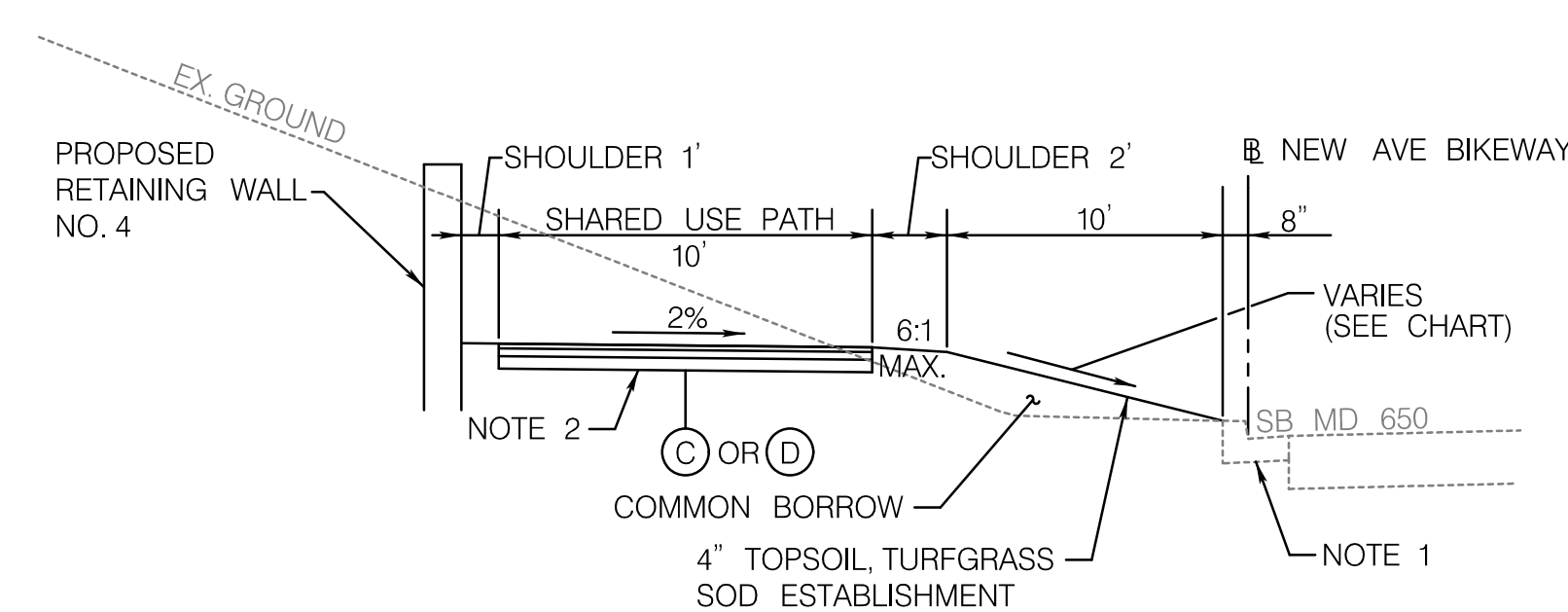
STA. 102+75 TO 105+29
STA. 105+67 TO 110+93



STA. 112+71 TO 114+85
STA. 115+26 TO 117+00

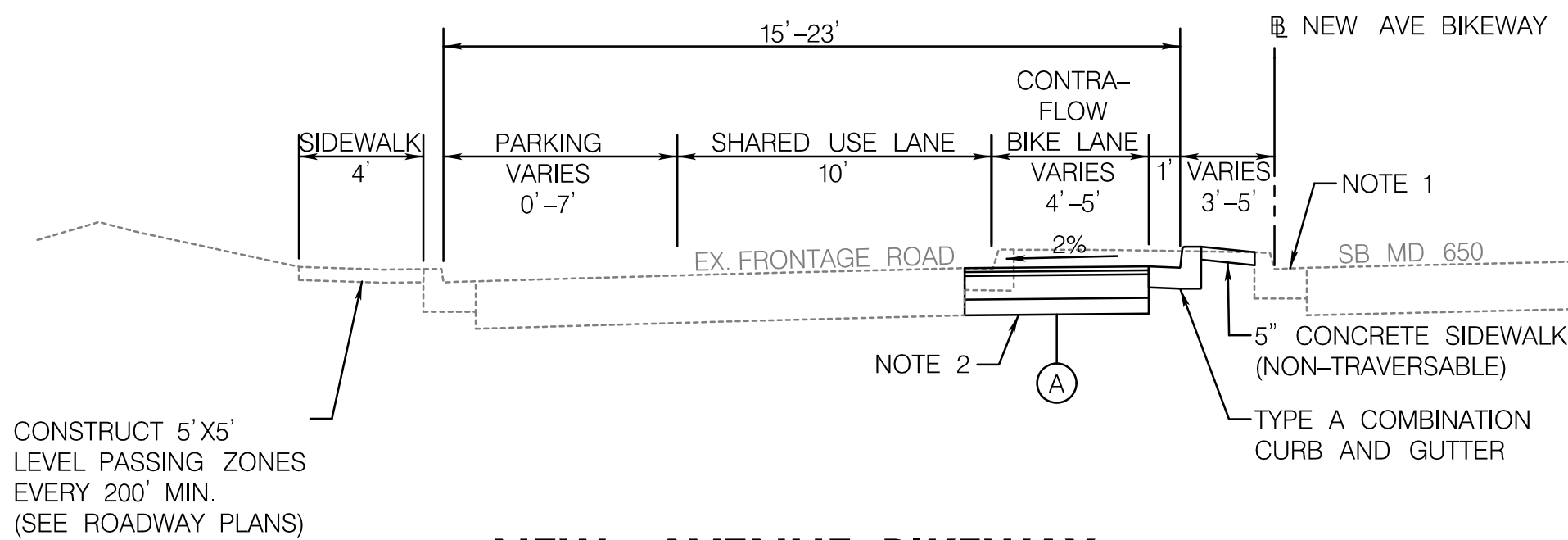
NEW AVENUE BIKEWAY
STA. 111+29 TO 117+25
STA. 119+75 TO 123+25
STA. 124+00 TO 127+67*

*ALTERNATIVE A: THIS ALTERNATIVE REQUIRES
WIDENING THE EXISTING BRIDGE AT MD 650
& SLIGO CREEK PARKWAY. SEE SHEET PS03A



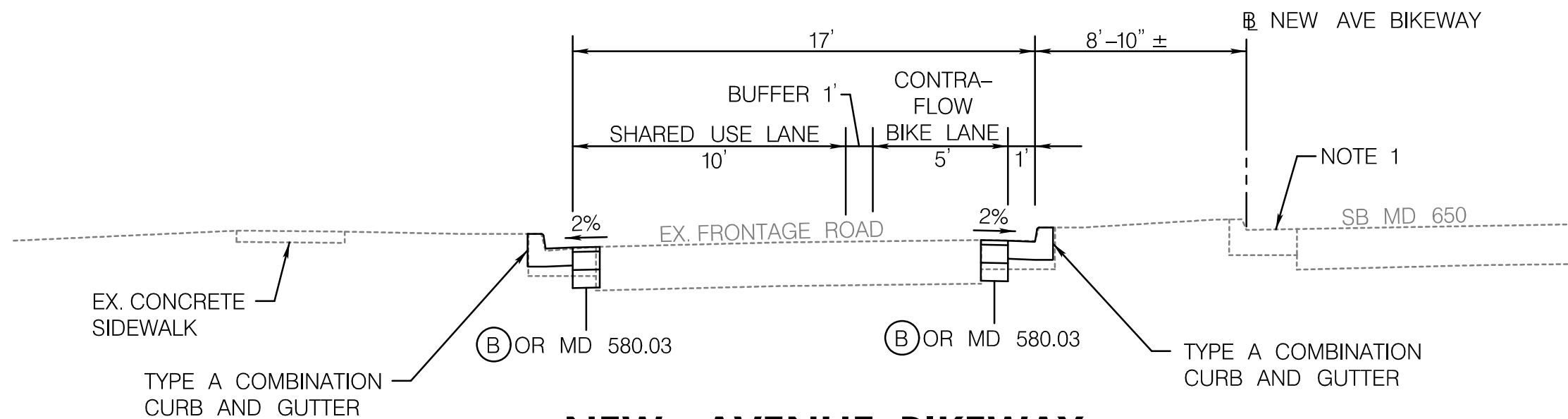
NEW AVENUE BIKEWAY

STA. 117+25 TO 119+75



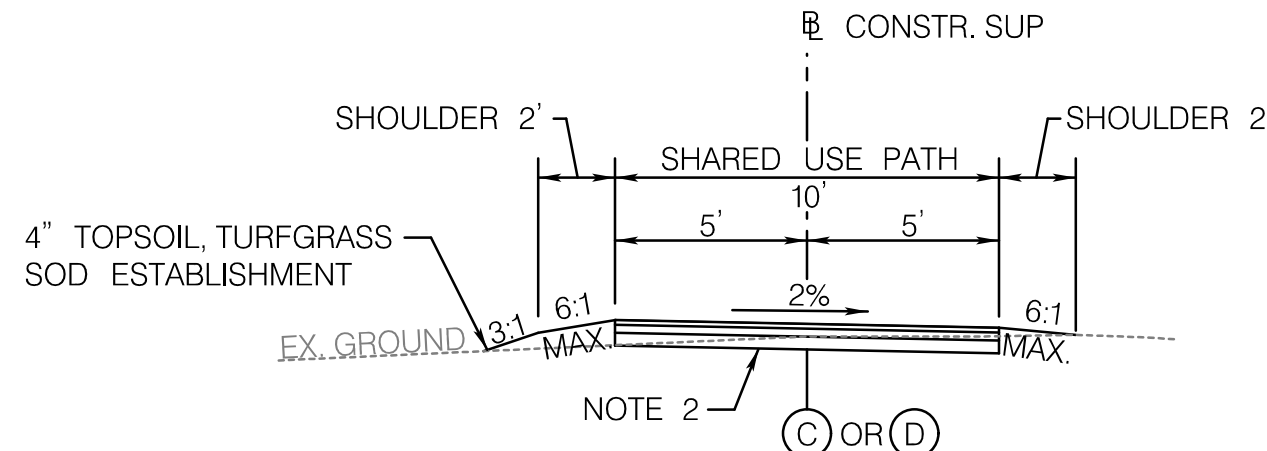
NEW AVENUE BIKEWAY

STA. 128+00 TO 140+75



NEW AVENUE BIKEWAY

STA. 140+75 TO 143+25



NEW AVENUE BIKEWAY
STA. 201+11.65 TO 202+24.17**

**REQUIRES A NEW PEDESTRIAN/BICYCLE BRIDGE
OVER SLIGO CREEK. SEE SHEET PS03 & PS04.

GRADING TABLE	
STATION	SLOPE
117+25	50:1
117+50	8:1
117+75	4:1
119+25	4:1
119+50	8:1
119+75	50:1

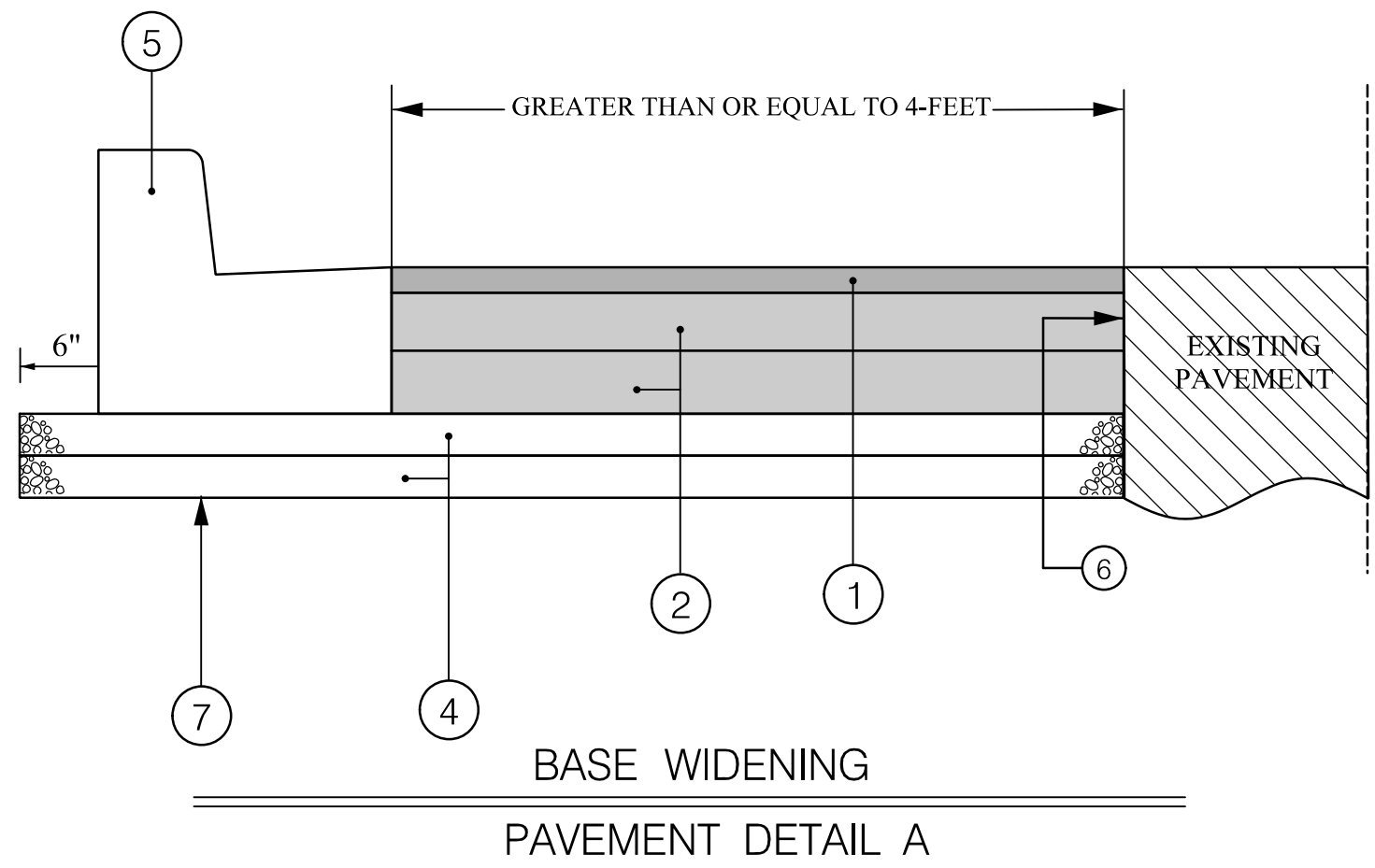
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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

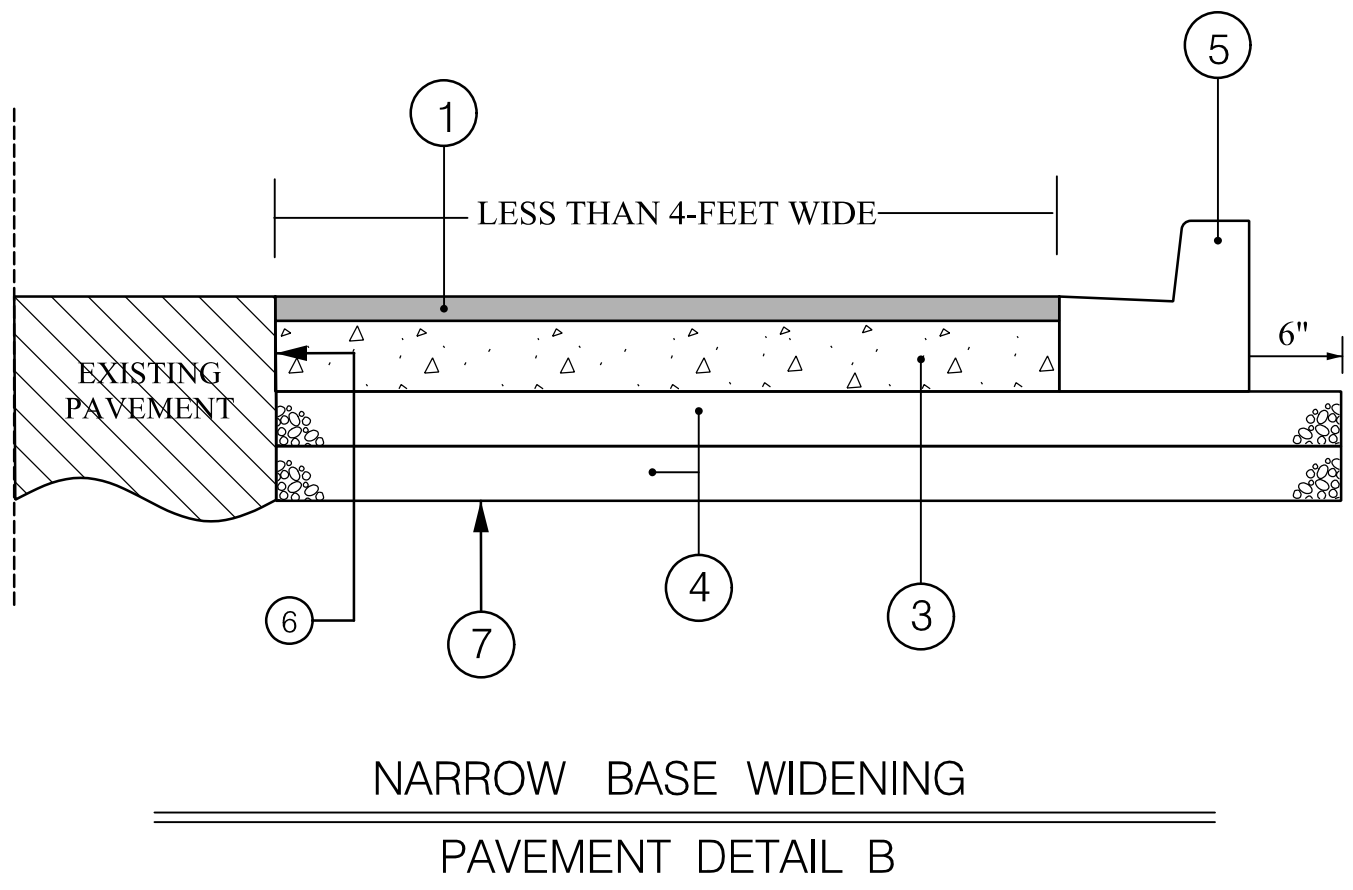
TYPICAL SECTIONS

SCALE 1"=5'	DATE APRIL 2017	CONTRACT NO. T.B.D.
DESIGNED BY WRW	COUNTY MONTGOMERY	
DRAWN BY WRW	LOGMILE MD 650 0.040-0.830	
CHECKED BY RJG/NG		
F.A.P. NO. T.B.D.		
DRAWING NO. TS01	1 OF 1	SHEET NO. 3 OF 12

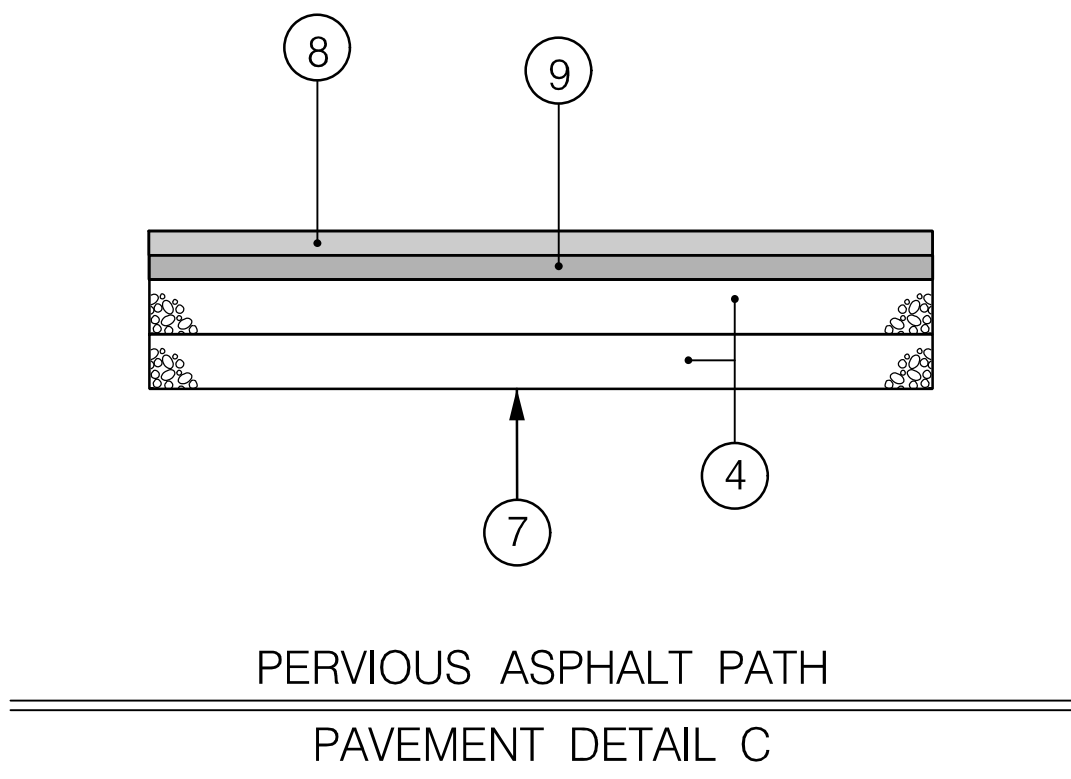
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- PAVEMENT LEGEND**
- ① 2" SUPERPAVE ASPHALT MIX 9.5 mm FOR SURFACE, HDFV, PG64E-22, LEVEL 2
 - ② 4" SUPERPAVE ASPHALT MIX 19.0 mm FOR BASE, PG 64S-22, LEVEL 2
 - ③ 8" PLAIN PORTLAND CEMENT CONCRETE MIX NO. 9
 - ④ 6" GRADED AGGREGATE BASE COURSE
 - ⑤ STANDARD TYPE A COMBINATION CURB AND GUTTER
 - ⑥ FULL-DEPTH SAW CUT INCIDENTAL TO FULL-DEPTH PATCH, CURB AND GUTTER AND EXCAVATION ITEMS
 - ⑦ TOP OF SUBGRADE AND LIMIT OF EXCAVATION (SEE NOTE 5)
 - ⑧ 2" PERVIOUS ASPHALT MIX 12.5 MM FOR SURFACE
 - ⑨ 2" PERVIOUS ASPHALT MIX 19.0 MM FOR BASE



- PAVEMENT DETAIL NOTES**
- REFER TO STANDARD MD 580.03 FOR NEW COMBINATION CURB AND GUTTER PLACEMENT ALONG EXISTING PAVEMENT.
 - REFER TO STANDARD MD 580.08 FOR ASPHALT TRAIL.
 - SQUARE-OFF FOUR SIDES OF THE PATCH WITH VERTICAL FACE.
 - REMOVE AND DISPOSE OF ALL SOFT AND UNSTABLE MATERIAL PER SECTION 208 OF THE MDSA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, JULY 2008.
 - IN AREAS WHERE EXISTING PAVEMENT IS BEING REMOVED, THE LIMIT OF EXCAVATION SHALL BE AT THE BOTTOM OF THE BOUND MATERIALS IN THE EXISTING PAVEMENT OR AT THE TOP OF SUBGRADE, WHICHEVER IS LOWER.



THE CITY OF TAKOMA PARK AND
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**NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)**

PAVEMENT DETAILS

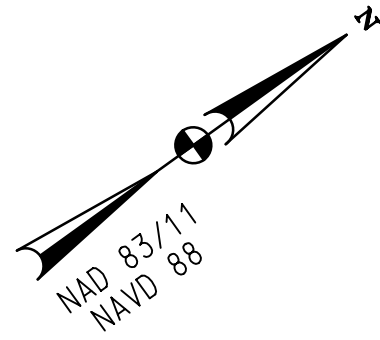
SCALE <u>NOT TO SCALE</u>	DATE <u>APRIL 2017</u>	CONTRACT NO. <u>T.B.D.</u>
DESIGNED BY <u>WRW</u>	COUNTY <u>MONTGOMERY</u>	
DRAWN BY <u>TJS</u>	LOGMILE <u>MD 650 0.040-0.830</u>	
CHECKED BY <u>RJG/NG</u>		
F.A.P. NO. <u>T.B.D.</u>		
DRAWING NO. <u>DT01</u>	1 OF 1	SHEET NO. <u>4</u> OF 12

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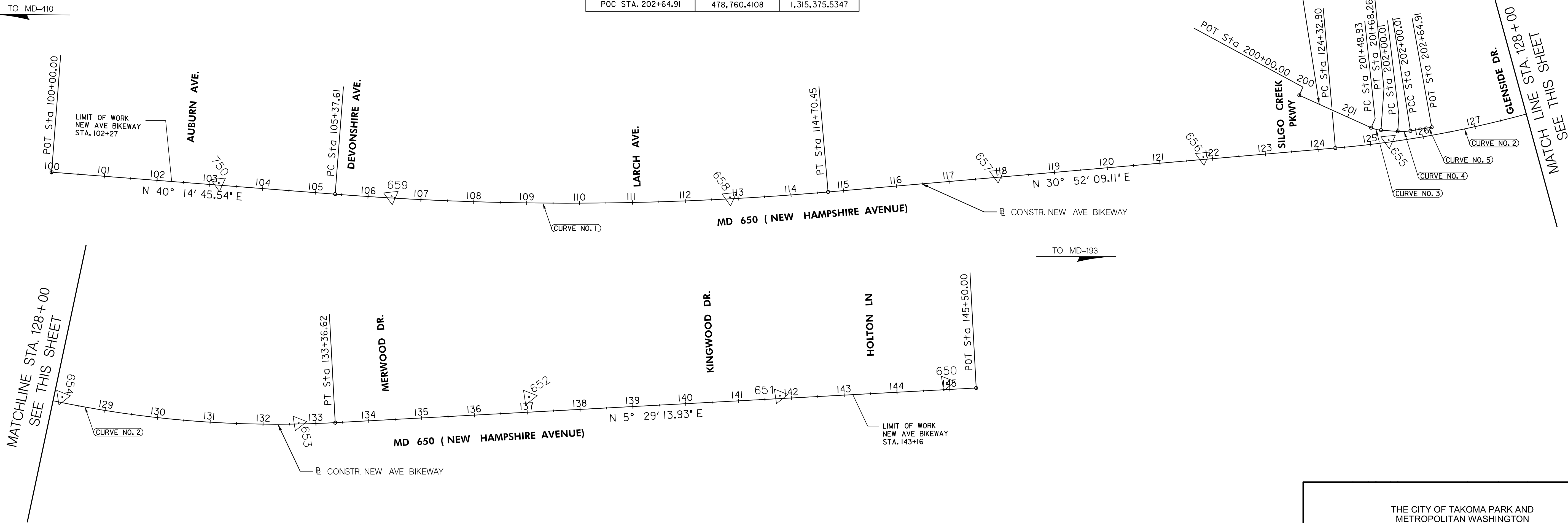
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CURVE NO.	Δ	Dc	R	T	L	E
1	9° 22' 36.43"	1° 00' 18.68"	5,700.00'	467.46'	932.84'	19.14'
2	25° 22' 55.18"	2° 48' 31.02"	2,040.00'	459.40'	903.72'	51.09'
3	20° 08' 19.42"	104° 10' 26.92"	55.00'	9.77'	19.33'	0.86'
4	13° 11' 02.85"	54° 34' 02.67"	105.00'	12.13'	24.16'	0.70'
5	1° 09' 09.67"	2° 49' 45.92"	2,025.00'	20.37'	40.74'	0.10'

BASELINE CONTROL COORDINATES R CONSTR. MD 650		
	NORTH	EAST
POT STA. 100+00.00	476,595.2050	1,313,917.8136
PC STA. 105+37.61	477,005.5529	1,314,265.1494
PI STA. 110+05.07	477,362.3568	1,314,567.1633
PT STA. 114+70.45	477,763.5993	1,314,807.0091
PC STA. 124+32.90	478,589.7066	1,315,300.8211
PI STA. 128+92.29	478,984.0258	1,315,536.5285
PT STA. 133+36.62	479,441.3177	1,315,580.4576
POT STA. 145+50.00	480,649.1413	1,315,696.4855

BASELINE CONTROL COORDINATES R CONSTR. SUP		
	NORTH	EAST
POT STA. 200+00.00	478,592.8193	1,315,180.0300
PC STA. 201+48.93	478,677.0423	1,315,309.1445
PI STA. 201+58.69	478,671.9098	1,315,317.6118
PT STA. 201+68.26	478,679.3949	1,315,323.8856
PC STA. 202+00.01	478,703.7283	1,315,344.28081
PI STA. 202+12.14	478,984.0258	1,315,536.5285
PCC STA. 202+24.17	478,723.8602	1,315,357.5434
PI STA. 202+44.54	478,742.0450	1,315,366.7229
POC STA. 202+64.91	478,760.4108	1,315,375.5347

TRAVERSE POINTS				
POINT NO.	NORTH	EAST	ELEVATION	PLAN SHEET NO.
650	480,595.8800	1,315,678.6100	216.12	PS-06
651	480,279.9300	1,315,655.5800	203.72	PS-05
652	479,810.8489	1,315,587.0849	170.19	PS-05
653	479,372.8572	1,315,570.4879	146.13	PS-04
654	478,938.3286	1,315,455.4728	121.00	PS-04
655	478,680.1722	1,315,347.7532	106.75	PS-03
656	478,377.5379	1,315,168.4333	103.94	PS-03
657	478,042.5756	1,314,967.8564	110.09	PS-03
658	477,607.2029	1,314,706.7244	144.10	PS-02
659	477,089.7324	1,314,330.8027	178.33	PS-01
750	476,839.6600	1,314,119.2900	185.45	PS-01

NOTES:
1. TOPOGRAPHIC SURVEY AND BOUNDARY LINE ESTABLISHMENT
WAS PREPARED BY CAPITOL DEVELOPMENT DESIGN, INC.



BY: wweismantel -



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MD 650 (NEW HAMPSHIRE AVENUE)

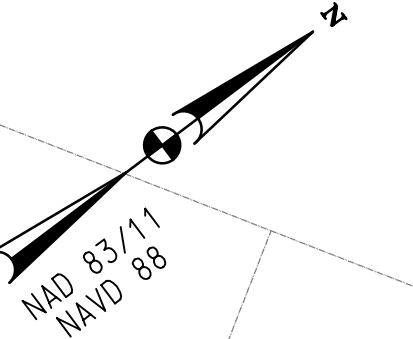
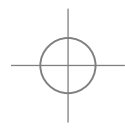
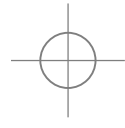
BASELINE GEOMETRY & SURVEY CONTROL

SCALE 1"=100' DATE APRIL 2017 CONTRACT NO. T.B.D.

DESIGNED BY WRW COUNTY MONTGOMERY
DRAWN BY BB LOGMILE MD 650 0.040- 0.830
CHECKED BY RJG/NG
F.A.P. NO. T.B.D.

DRAWING NO. GS01 1 OF 1 SHEET NO. 5 OF 12

PLOTTED: Wednesday, April 26, 2017 AT 01:42 PM
FILE: \\balsrv06\2016\2016\16217_NewAveBike\CADD\plans\pGS-0001_NewAveBike-Plan.dgn



ETHAN ALLEN AVENUE

AUBURN AVENUE

DEVONSHIRE AVENUE

LIMIT OF WORK
CONTR. NO T.B.D.
NEW AVE BIKEWAY
STA. 102+27

PARCEL 173
EAST WEST PLAZA LLC
L. 38814, F. 159

LOT 1
EAST WEST PLAZA LLC
L. 38814, F. 159

LOT 10
JAMES A. MIZGERD
L. 39849, F. 4

LOT 11
DREW & JANET SPALDING
L. 51122, F. 401

LOT 12
SAMUEL TESFAYE
L. 35197, F. 537

LOT 4
STEVEN W. & M. C. MCCRAE
L. 16288, F. 180

LOT 5
CONSTANCE A. STREET
L. 30265, F. 631

LOT 6
JANICE M. MITCHELL
L. 33602, F. 105

LOT 7
ANNELIES C. ECHOLS &
GEORGE A. DETOR
L. 42321, F. 320

ETHAN ALLEN GATEWAY STREETSCAPE
CONSTRUCTION TO BEGIN 2017

TIE INTO
EXISTING SIDEWALK
CONSTR. NEW AVE BIKEWAY

PROPOSED 2'
GRASS BUFFER
PROPOSED TYPE A
CURB AND GUTTER
PROPOSED TYPE A CURB
AND GUTTER (TYP.)

PROPOSED 8'
SHARED USE PATH

PROPOSED 8'
SHARED USE PATH

PROPOSED TYPE A
CURB AND GUTTER

MD 650 (NEW HAMPSHIRE AVENUE)

MATCH LINE - SEE SHEET PS-02

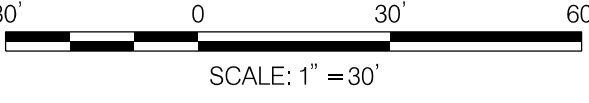
(MD 410)

LEGEND

- 5 INCH CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- ASPHALT SHARED USE PATH
- PERVIOUS ASPHALT SHARED USE PATH
- FULL DEPTH ASPHALT PAVING
- SIDEWALK AND PAVEMENT REMOVAL
(PAID FOR AS CLASS 1 EXCAVATION)

NOTES

- INSTALL SUPPLEMENTAL LED LIGHTING ON
RELOCATED UTILITY POLES BETWEEN STA.
103+00 TO 108+00 (BY OTHERS).
- NO PROPERTY IMPACTS ANTICIPATED THIS
SHEET.



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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

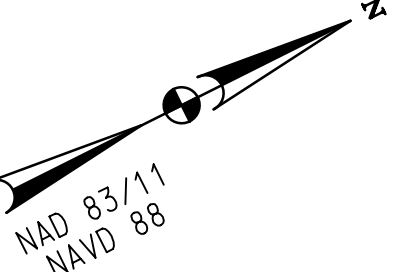
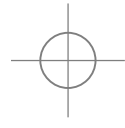
ROADWAY PLAN

SCALE 1"=30'	DATE APRIL 2017	CONTRACT NO. T.B.D.
DESIGNED BY WRW	COUNTY MONTGOMERY	
DRAWN BY WRW	LOGMILE MD 650 0.040-0.830	
CHECKED BY RJG/NG		
F.A.P. NO. T.B.D.		
DRAWING NO. PS01	1 OF 6	SHEET NO. 6 OF 12

30% PLANS
APRIL 2017

PLOTTED: Wednesday, April 26, 2017 AT 01:42 PM
FILE: \\balsrv06\p2016\2016\16217_NewAveBike\CADD\plans\pHD-0001_NewAveBike-Plan.dgn

BY: wweisman |



MATCH LINE - SEE SHEET PS-01

MATCH LINE - SEE SHEET PS-03

LARCH AVENUE

LARCH AVENUE

LINDEN AVENUE

MD 650 (NEW HAMPSHIRE AVENUE)

LOT 8
FREDIS H. GOMEZ & MARIA
CANALES
L. 23001, F. 661

LOT 9
RICKY A. WILLIAMS & D.D.
WILLIAMS
L. 11177, F. 591

LOT 10
TUJANA R. GREEN
L. 51197, F. 186

LOT 11
JASON ATER INGRAM &
ANDI LEIGH INGRAM
L. 51197, F. 186

LOT 11
JONATHAN I. KATZ &
TERRI E. MORELAND
L. 17357, F. 272

LOT 26
MARYLAND NATIONAL CAPITAL
PARK & PLANNING COMMISSION
L. 4287, F. 820

PARCEL 13
MARYLAND NATIONAL CAPITAL
PARK & PLANNING COMMISSION
L. 4287, F. 820

REMOVE AND RESET
EXISTING WOOD FENCE
BEHIND TRAIL (3' OFFSET)

TYPE A CURB AND
GUTTER (TYP.)

UTILITY POLE
(TO BE
RELOCATED
BY OTHERS)

UTILITY POLE
(TO BE
RELOCATED
BY OTHERS)

PROPOSED TRAFFIC
SIGNAL RECONSTRUCTION
(INSTALL APS / CPS)

RELOCATE
BENCHES

EXISTING FRONTAGE
ROAD TO BE REMOVED

PROPOSED RETAINING
WALL NO. 2 (MAX
HEIGHT 8')

CONSTR. NEW AVE BIKEWAY

PROPOSED RETAINING
WALL NO. 3 (MAX
HEIGHT 6')

PROPOSED 10'
SHARED USE PATH

PROPOSED 9'-4"
GRASS BUFFER

GUY WIRE (TO
BE RELOCATED
BY OTHERS)

GUY WIRE (TO
BE RELOCATED
BY OTHERS)

NOTE 4

NOTE 4

LEGEND

- 5 INCH CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- ASPHALT SHARED USE PATH
- PERVIOUS ASPHALT SHARED USE PATH
- FULL DEPTH ASPHALT PAVING
- SIDEWALK AND PAVEMENT REMOVAL
(PAID FOR AS CLASS 1 EXCAVATION)

NOTES

- INSTALL SUPPLEMENTAL LED LIGHTING ON
RELOCATED UTILITY POLES BETWEEN STA.
107+00 TO 111+00. (BY OTHERS)
- INSTALL SUPPLEMENTAL LED LIGHTING
WITH 16' POLE, ARM, FOUNDATION, CABLES,
AND EQUIPMENT BETWEEN STA. 111+00
TO 116+50.
- REPLACE EXISTING LIGHTING WITH LED
LIGHTS ON EXISTING UTILITY POLES
BETWEEN STA. 111+00 TO 116+50. (BY
OTHERS)
- RIGHT OF WAY REQUIRED FOR MARYLAND
NATIONAL CAPITAL PARK & PLANNING
COMMISSION FROM APX. STA. 112+85 TO
113+70 AND STA. 114+50 TO 115+90.



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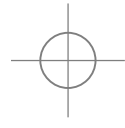
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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

ROADWAY PLAN

SCALE 1"=30'	DATE APRIL 2017	CONTRACT NO. T.B.D.
DESIGNED BY WRW	COUNTY MONTGOMERY	
DRAWN BY WRW	LOGMILE MD 650 0.040-0.830	
CHECKED BY RJG/NG		
F.A.P. NO. T.B.D.		
DRAWING NO. PS02	2 OF 6	SHEET NO. 7 OF 12

PLOTTED: Wednesday, April 26, 2017 AT 02:21 PM
FILE: \\balsrv06\p2016\2016\16217_NewAveBike\CADD\plans\pHD-0002_NewAveBike-Plan.dgn



BY: wweisman |



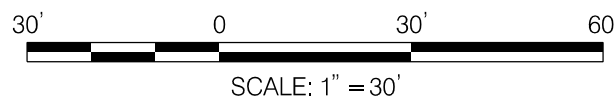
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- LEGEND**
- 5 INCH CONCRETE SIDEWALK
 - CONCRETE DRIVEWAY
 - ASPHALT SHARED USE PATH
 - PERVIOUS ASPHALT SHARED USE PATH
 - FULL DEPTH ASPHALT PAVING
 - SIDEWALK AND PAVEMENT REMOVAL (PAID FOR AS CLASS 1 EXCAVATION)

NOTES

- TWO ALTERNATIVES ARE PRESENTED WITH THE 30% DESIGN:
PREFERRED - CONSTRUCT NEW PED/BIKE BRIDGE OVER SLIGO CREEK WITH SHARED USE PATH CONNECTING TO THE NORTH EXISTING CONCRETE SIDEWALK ALONG SB MD 650 TO REMAIN. SEE SHEET PS03 AND PS04.
ALTERNATIVE A - WIDEN EXISTING MD 650 BRIDGE AT THE SLIGO CREEK PARKWAY TO ACCOMMODATE A SHARED USE PATH ADJACENT TO THE ROAD. SEE SHEET PS03A.
- INSTALL SUPPLEMENTAL LED LIGHTING WITH 16' POLE ARM, FOUNDATION, CABLES, AND EQUIPMENT BETWEEN STA: 116+50 TO 125+50.
- REPLACE EXISTING LIGHTING WITH LED LIGHTS ON EXISTING UTILITY POLES BETWEEN STA: 116+50 TO 125+50. (BY OTHERS)
- RIGHT OF WAY REQUIRED FOR MARYLAND NATIONAL CAPITAL PARK & PLANNING COMMISSION FROM APX. STA. 117+80 TO 119+75 AND STA. 124+00 TO 125+50.
- RIGHT OF WAY REQUIRED FOR WSSC FROM APX. STA. 120+00 TO 122+25.
- RIGHT OF WAY REQUIRED FOR VANIC L.L.C. FROM APX. STA. 122+25 TO 123+25.

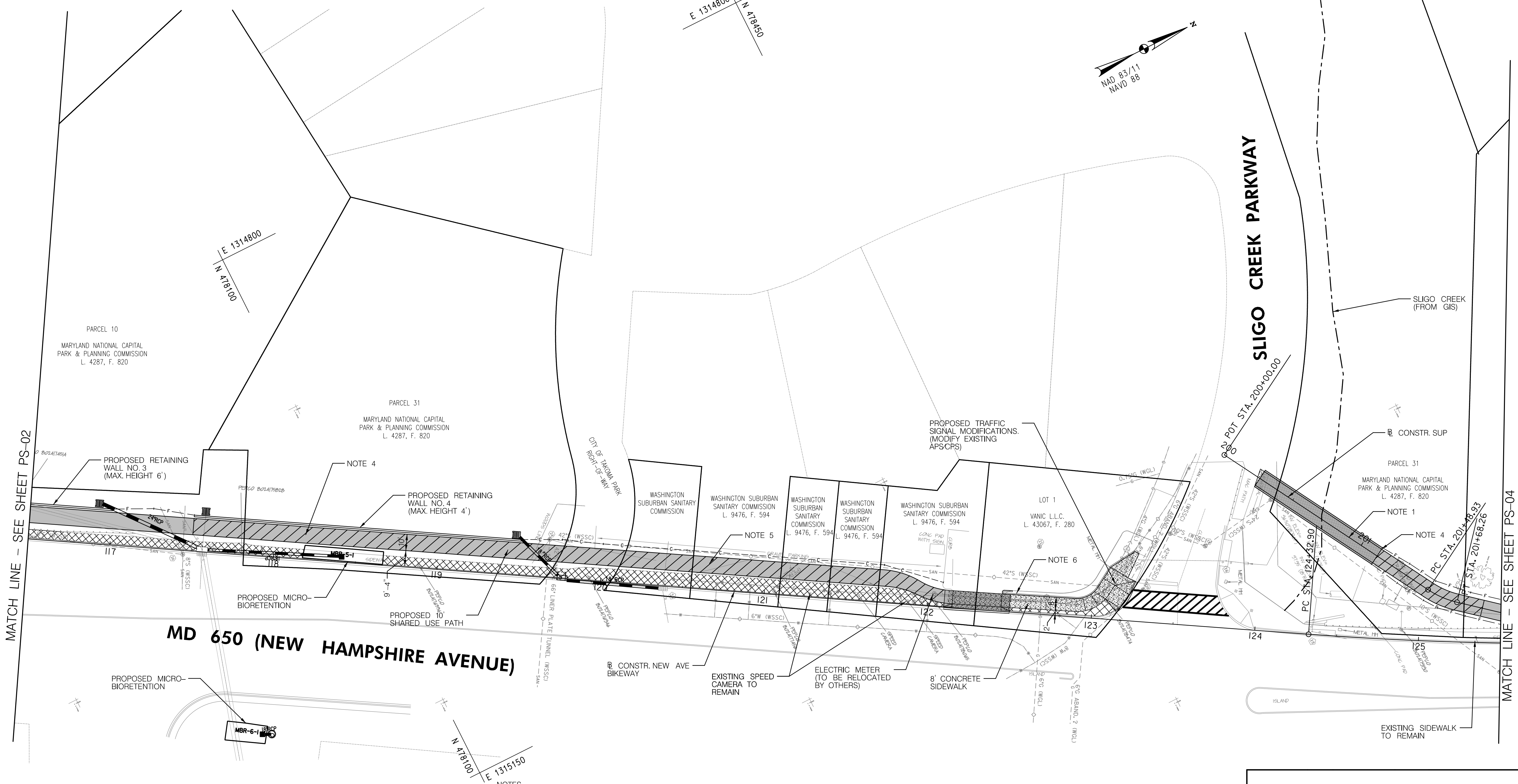


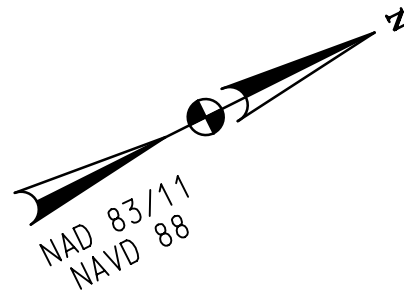
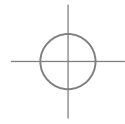
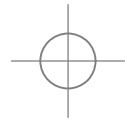
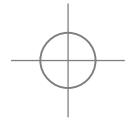
ROADWAY PLAN	
SCALE 1"=30'	DATE APRIL 2017 CONTRACT NO. T.B.D.
DESIGNED BY WRW	COUNTY MONTGOMERY
DRAWN BY WRW	LOGMILE MD 650 0.040-0.830
CHECKED BY RJG/NG	
F.A.P. NO. T.B.D.	
DRAWING NO. PS03	3 OF 6 SHEET NO. 8 OF 12

PLOTTED: Wednesday, April 26, 2017 AT 01:43 PM
FILE: \\balsrv06\2016\2016\16217_NewAveBike\CADD\plans\PHD-0003_NewAveBike-Plan.dgn

MATCH LINE - SEE SHEET PS-02

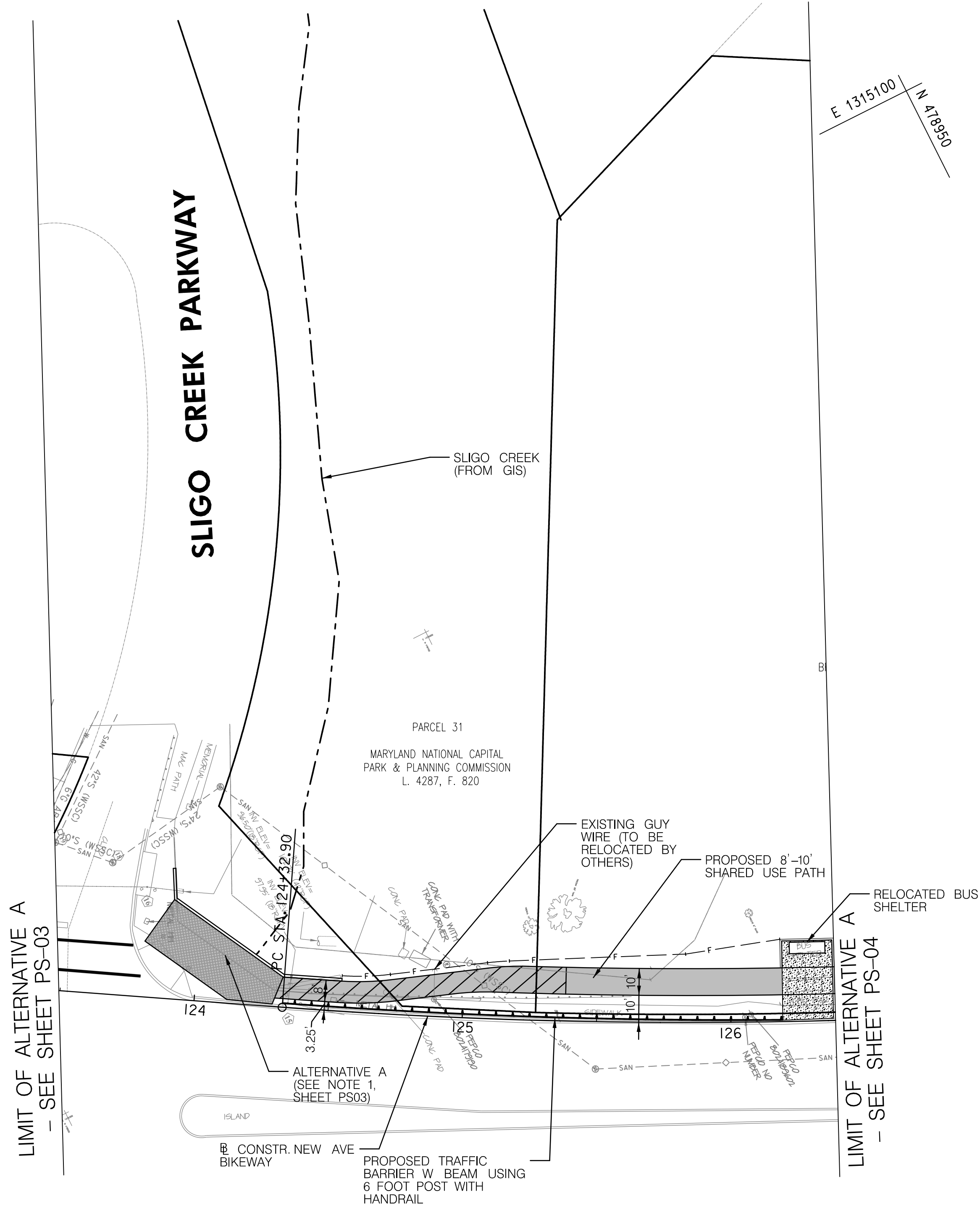
MATCH LINE - SEE SHEET PS-04





E 1315100
N 478450

E 1315450
N 478950



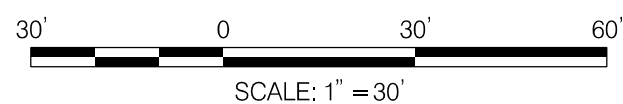
MD 650 (NEW HAMPSHIRE AVENUE)

NOTES

- INSTALL SUPPLEMENTAL LED LIGHTING WITH 16' POLE, ARM, FOUNDATION, CABLES, AND EQUIPMENT BETWEEN STA. 123+50 TO 126+50.
- REPLACE EXISTING LIGHTING WITH LED LIGHTS ON EXISTING UTILITY POLES BETWEEN STA. 123+50 TO 126+50. (BY OTHERS)

LEGEND

	5 INCH CONCRETE SIDEWALK
	CONCRETE DRIVEWAY
	ASPHALT SHARED USE PATH
	PERVIOUS ASPHALT SHARED USE PATH
	FULL DEPTH ASPHALT PAVING
	SIDEWALK AND PAVEMENT REMOVAL (PAID FOR AS CLASS 1 EXCAVATION)



ALTERNATIVE A

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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

ROADWAY PLAN

SCALE 1"=30' DATE APRIL 2017 CONTRACT NO. T.B.D.

DESIGNED BY WRW COUNTY MONTGOMERY
DRAWN BY WRW LOGMILE MD 650 0.040- 0.830
CHECKED BY RJG/NG
F.A.P. NO. T.B.D.

DRAWING NO. PS03A 3A OF 6 SHEET NO. 8A OF 12

30% PLANS

APRIL 2017

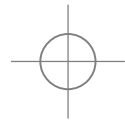
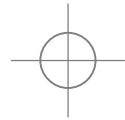
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BY: wwismantel -



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BY: wweisman |



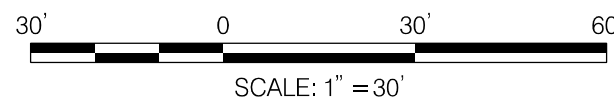
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	5 INCH CONCRETE SIDEWALK
	CONCRETE DRIVEWAY
	ASPHALT SHARED USE PATH
	PERVIOUS ASPHALT SHARED USE PATH
	FULL DEPTH ASPHALT PAVING
	SIDEWALK AND PAVEMENT REMOVAL (PAID FOR AS CLASS 1 EXCAVATION)

NOTES

- EXISTING 4' (TYP.) SIDEWALK TO REMAIN. CONSTRUCT 5' X 5' PASSING ZONES EVERY 200' MAX.
- INSTALL SUPPLEMENTAL LED LIGHTING WITH 16' POLE, ARM, FOUNDATION, CABLES, AND EQUIPMENT BETWEEN STA. 125+50 TO 127+50.
- REPLACE EXISTING LIGHTING WITH LED LIGHTS ON EXISTING UTILITY POLES BETWEEN STA. 125+50 TO 127+50. (BY OTHERS)
- RIGHT OF WAY REQUIRED FOR BRIGHTLIGHT BAPTIST CHURCH FROM APX. STA. 125+50 TO 127+60.
- NO PARKING TO REMAIN FROM APX. STA. 128+00 TO 129+50, STA. 129+75 TO 130+40, AND STA. 133+00 TO 133+75.



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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

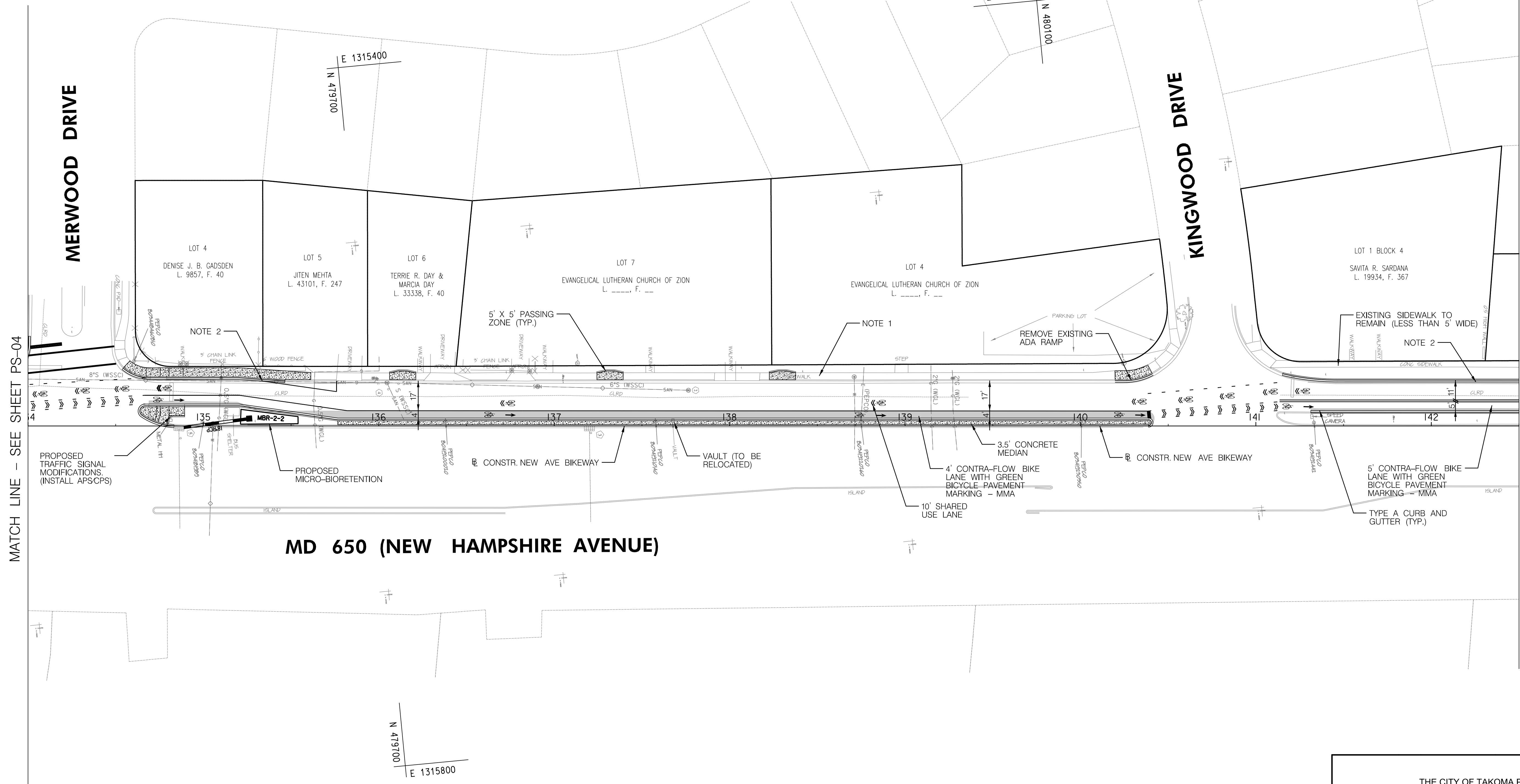
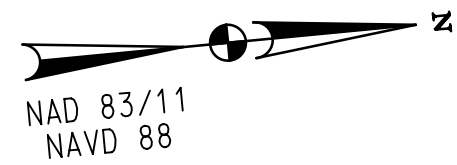
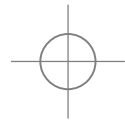
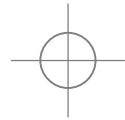
ROADWAY PLAN

SCALE 1"=30' DATE APRIL 2017 CONTRACT NO. T.B.D.

DESIGNED BY WRW COUNTY MONTGOMERY
DRAWN BY WRW LOGMILE MD 650 0.040-0.830
CHECKED BY RJG/NG
F.A.P. NO. T.B.D.

DRAWING NO. PS04 4 OF 6 SHEET NO. 9 OF 12

PLOTTED: Wednesday, April 26, 2017 AT 01:44 PM
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MATCH LINE - SEE SHEET PS-04

MATCH LINE - SEE SHEET PS-06

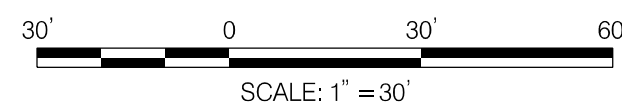
MD 650 (NEW HAMPSHIRE AVENUE)

LEGEND

- 5 INCH CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- ASPHALT SHARED USE PATH
- PERVIOUS ASPHALT SHARED USE PATH
- FULL DEPTH ASPHALT PAVING
- SIDEWALK AND PAVEMENT REMOVAL (PAID FOR AS CLASS 1 EXCAVATION)

NOTES

- EXISTING 4' (TYP.) SIDEWALK TO REMAIN. CONSTRUCT 5' X 5' PASSING ZONES EVERY 200' MAX.
- NO PARKING FROM APX. STA. 134+50 TO 135+75 AND 141+25 TO 142+50.



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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

ROADWAY PLAN

SCALE 1"=30' DATE APRIL 2017 CONTRACT NO. T.B.D.

DESIGNED BY WRW COUNTY MONTGOMERY
DRAWN BY WRW LOGMILE MD 650 0.040-0.830
CHECKED BY RJG/NG
F.A.P. NO. T.B.D.

DRAWING NO. PS05 5 OF 6 SHEET NO. 10 OF 12

30% PLANS
APRIL 2017

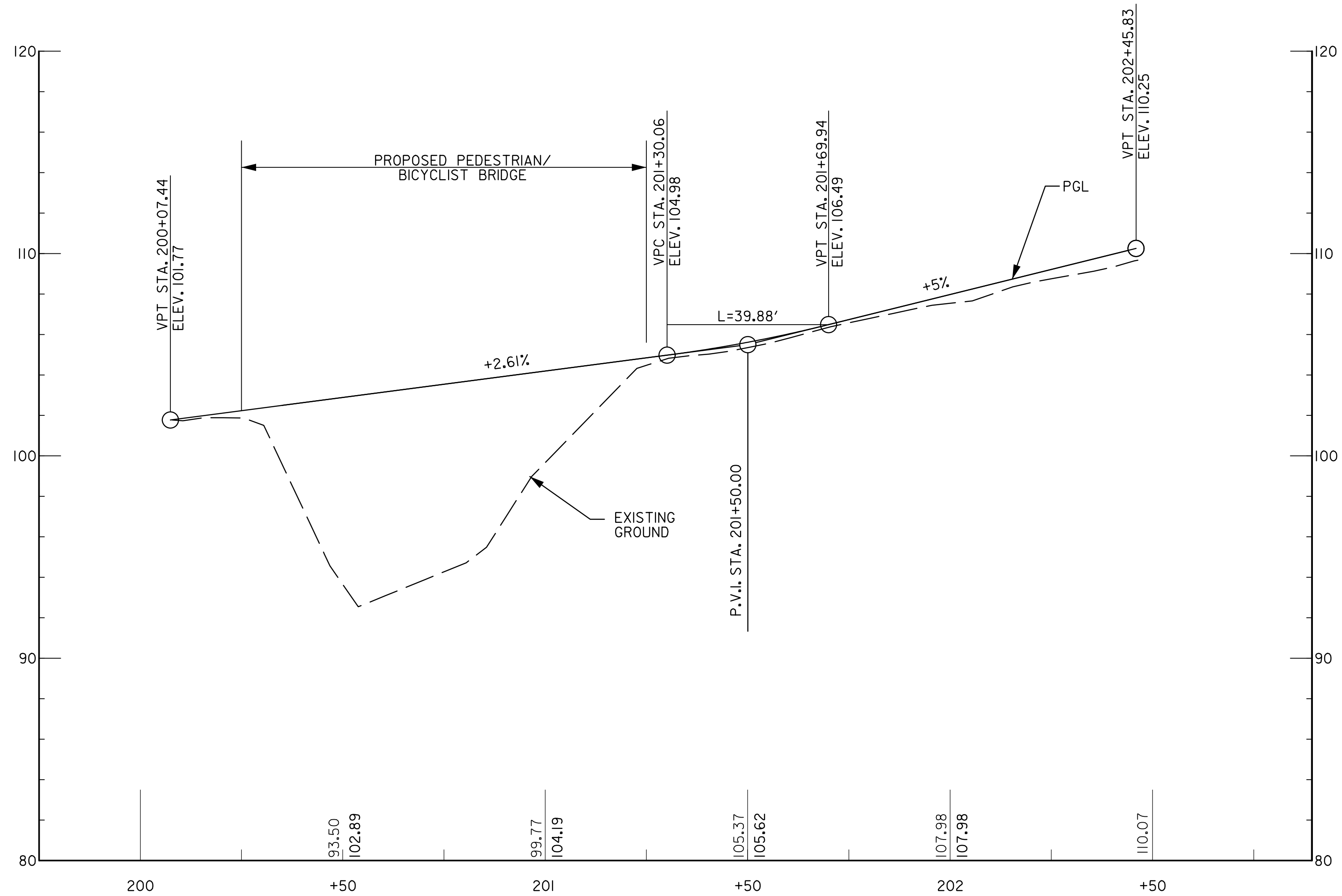
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BY: wweismantel -



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CONSTR. SUP
– STA. 200+07.44 TO STA. 202+45.83

PED/BIKE BRIDGE PROFILE
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'

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NEW AVE BIKEWAY
MD 650 (NEW HAMPSHIRE AVENUE)

TRAIL PROFILE

SCALE <u>AS SHOWN</u>	DATE <u>APRIL 2017</u>	CONTRACT NO. <u>T.B.D.</u>
DESIGNED BY <u>WRW</u>	COUNTY <u>MONTGOMERY</u>	
DRAWN BY <u>WRW</u>	LOGMILE <u>MD 650 0.040- 0.830</u>	
CHECKED BY <u>RJG/NG</u>	HORIZONTAL SCALE <u>1" = 20'</u>	
F.A.P. NO. <u>T.B.D.</u>	VERTICAL SCALE <u>1" = 10'</u>	
DRAWING NO. <u>PR01</u>	1 OF 1	SHEET NO. <u>12</u> OF <u>12</u>



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