

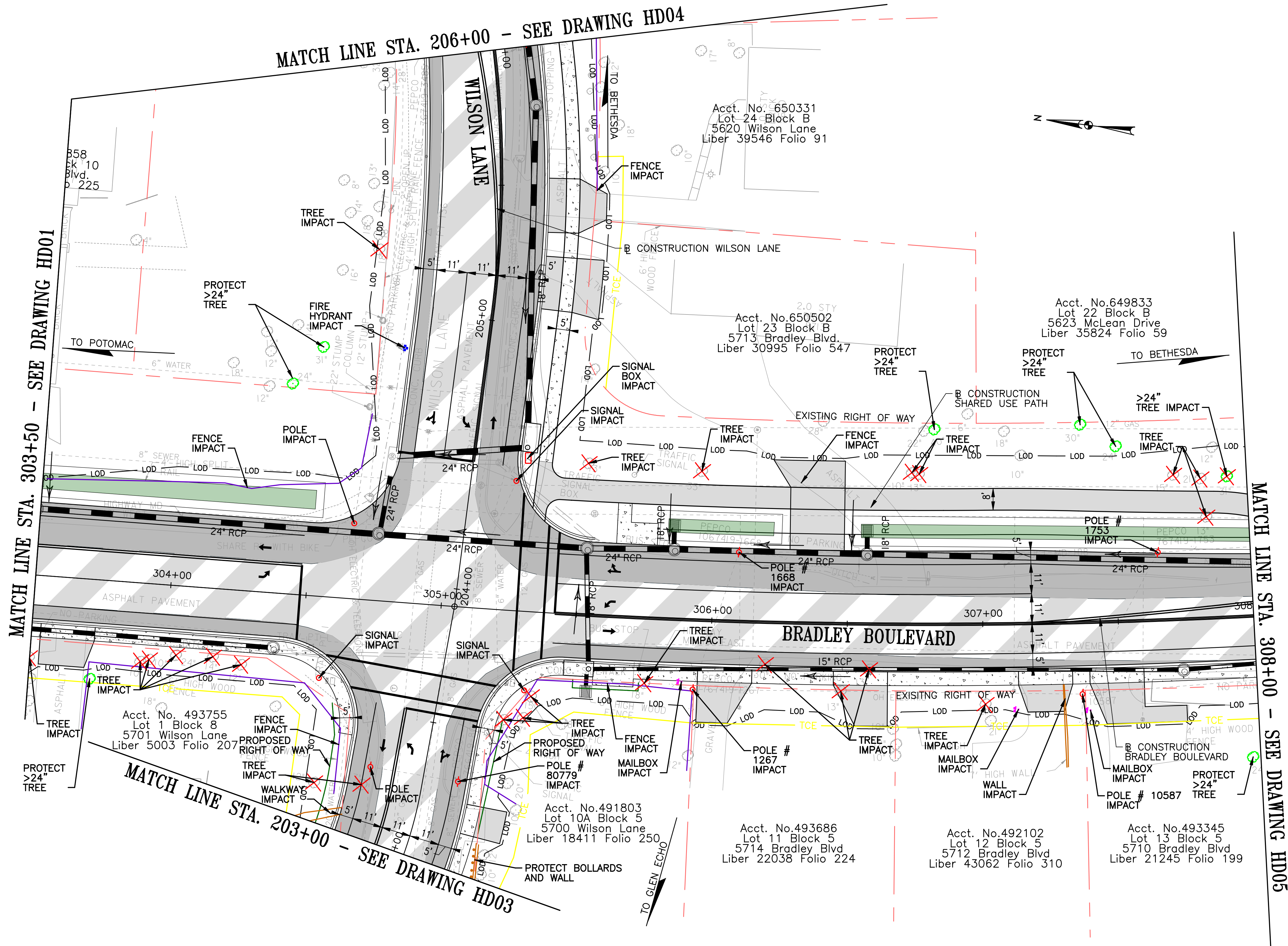
DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5721 BRADLEY BLVD	301+78	-19.05'	192	ASPHALT
5719 BRADLEY BLVD	302+49	-22.39'	166	ASPHALT
	303+02	-24.87'	150	ASPHALT
5717 BRADLEY BLVD	303+27	-26.02'	182	ASPHALT
5726 BRADLEY BLVD	301+82	17.67	86	ASPHALT
5724 BRADLEY BLVD	302+44	17.67	79	ASPHALT
5722 BRADLEY BLVD	302+63	17.67	79	ASPHALT
5720 BRADLEY BLVD	303+31	17.67	250	ASPHALT

PROFESSIONAL CERTIFICATION.
I HEREBY CERTIFY THAT THESE DOCUMENTS
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EXPIRATION DATE: 06/11/2015



BRADLEY BOULEVARD (MD 191)
BIKEWAY PROJECT
FROM WILSON LANE
TO GLENBROOK ROAD

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2/25/2015



DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5713 BRADLEY BLVD	306+38	-27.00'	532	ASPHALT
5701 BRADLEY BLVD	205+15	17.67'	334	ASPHALT
5714 BRADLEY BLVD	303+62	17.67'	184	ASPHALT
5714 BRADLEY BLVD	306+02	17.67'	160	NOT STANDARD
5714 BRADLEY BLVD	306+59	17.67'	160	NOT STANDARD
5712 BRADLEY BLVD	307+23	17.67'	167	ASPHALT
5710 BRADLEY BLVD	307+49	17.67'	172	ASPHALT
5700 WILSON LANE	203+18	17.67'	117	ASPHALT
5620 WILSON LANE	205+43	17.67'	275	ASPHALT

Summary of Trees ≥ 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
303+73	34	Tulip Poplar	Good	Protect >24" Tree
304+39	24	Black Walnut	Good/Fair	Protect >24" Tree
304+50	31	Black Walnut	Good	Protect >24" Tree
306+82	40	Tulip Poplar	Good	Protect >24" Tree
307+38	30	Tulip Poplar	Good	Protect >24" Tree
307+51	24	Tulip Poplar	Good	Protect >24" Tree
307+92	31	Tulip Poplar	Fair	>24" Tree Impact
307+98	24	S. Magnolia	Good	Protect >24" Tree

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

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section

Date

Chief, Division of Transportation Engineering

Date

Designed by: VAK

Drawn by: NSP

Checked by: MTR

HD02-ROADWAY PLAN

BRADLEY BOULEVARD (MD 191)
BIKEWAY PROJECT
FROM WILSON LANE
TO GLENBROOK ROAD

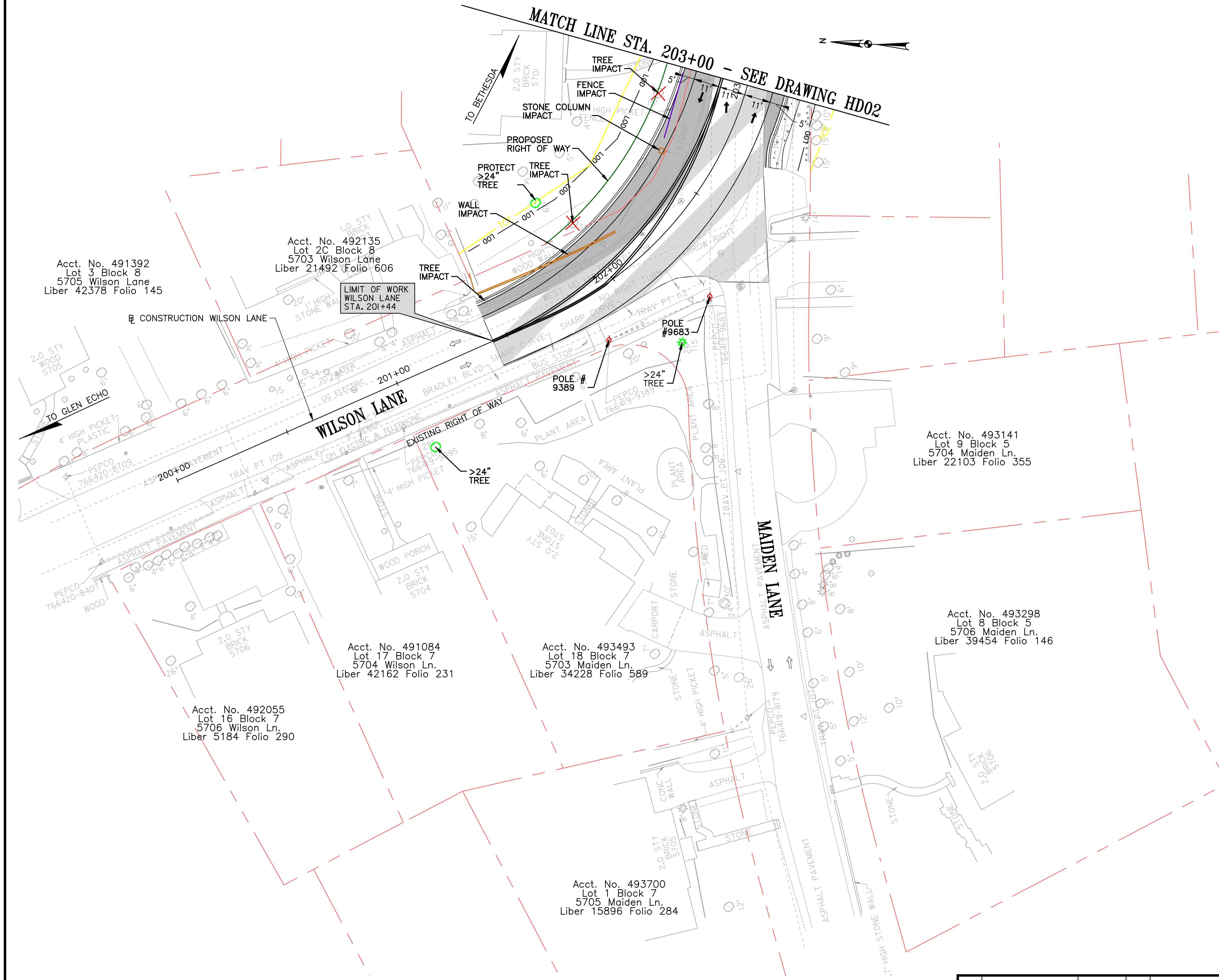
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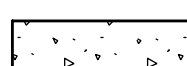
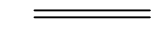
DECEMBER 2013

Project No.: 509337

SHEET 12 of 48

Summary of Trees ≥ 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
201+04	28	S. Magnolia	Fair	>24" Tree
201+90	61	Tulip Poplar	Fair	Protect >24" Tree
202+06	26	White Pine	Fair	>24" Tree



LEGEND	
	HOT MIX ASPHALT FULL DEPTH PAVEMENT
	MILL AND HOT MIX ASPHALT OVERLAY
	CONCRETE
	BIOSWALE
	DRAINAGE PIPE
	DRAINAGE INLET
	DRAINAGE MANHOLE
	CURB AND GUTTER
— LOD —	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY
	EXISTING RIGHT OF WAY
	SIGNIFICANT TREE (>24" DIAMETER)
	TREE IMPACT
	LANDSCAPE FEATURE IMPACT
	FENCE IMPACT
	MAILBOX IMPACT
	UTILITY POLE IMPACT

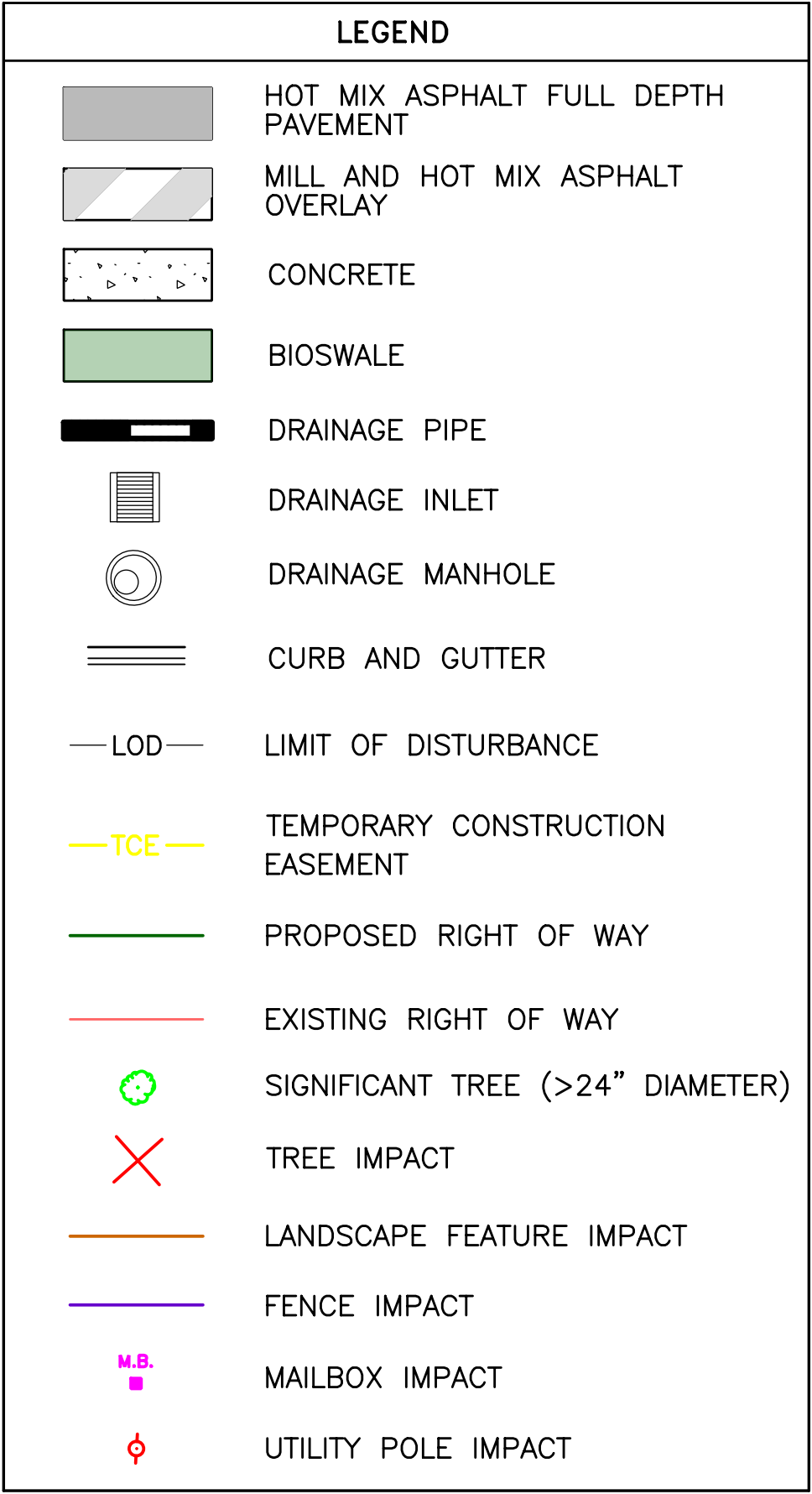
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				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	HD03-ROADWAY PLAN
				RECOMMENDED FOR APPROVAL	BRADLEY BOULEVARD (MD 191) BIKEWAY PROJECT FROM WILSON LANE TO GLENBROOK ROAD
				_____ Chief, Transportation Planning and Design Section APPROVED	Date _____
				_____ Chief, Division of Transportation Engineering	Date _____
					SCALE : 1"=20'
					DECEMBER 2013
NO.	REVISION	DATE	BY	Designed by: <u>VAK</u> Drawn by: <u>NSP</u> Checked by: <u>MTR</u>	Project No.: <u>509337</u> SHEET <u>13</u> of <u>48</u>

DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5708 BRADLEY BLVD	308+22	17.67"	176	NOT STANDARD
	308+49	17.67"	177	NOT STANDARD
5706 BRADLEY BLVD	308+84	17.67"	152	ASPHALT
	309+32	17.67"	292	ASPHALT
5704 BRADLEY BLVD	309+54	17.67"	153	CONCRETE
	309+92	17.67"	152	CONCRETE
5702 BRADLEY BLVD	310+20	17.67"	253	ASPHALT
5640 BRADLEY BLVD	312+40	17.67"	302	ASPHALT

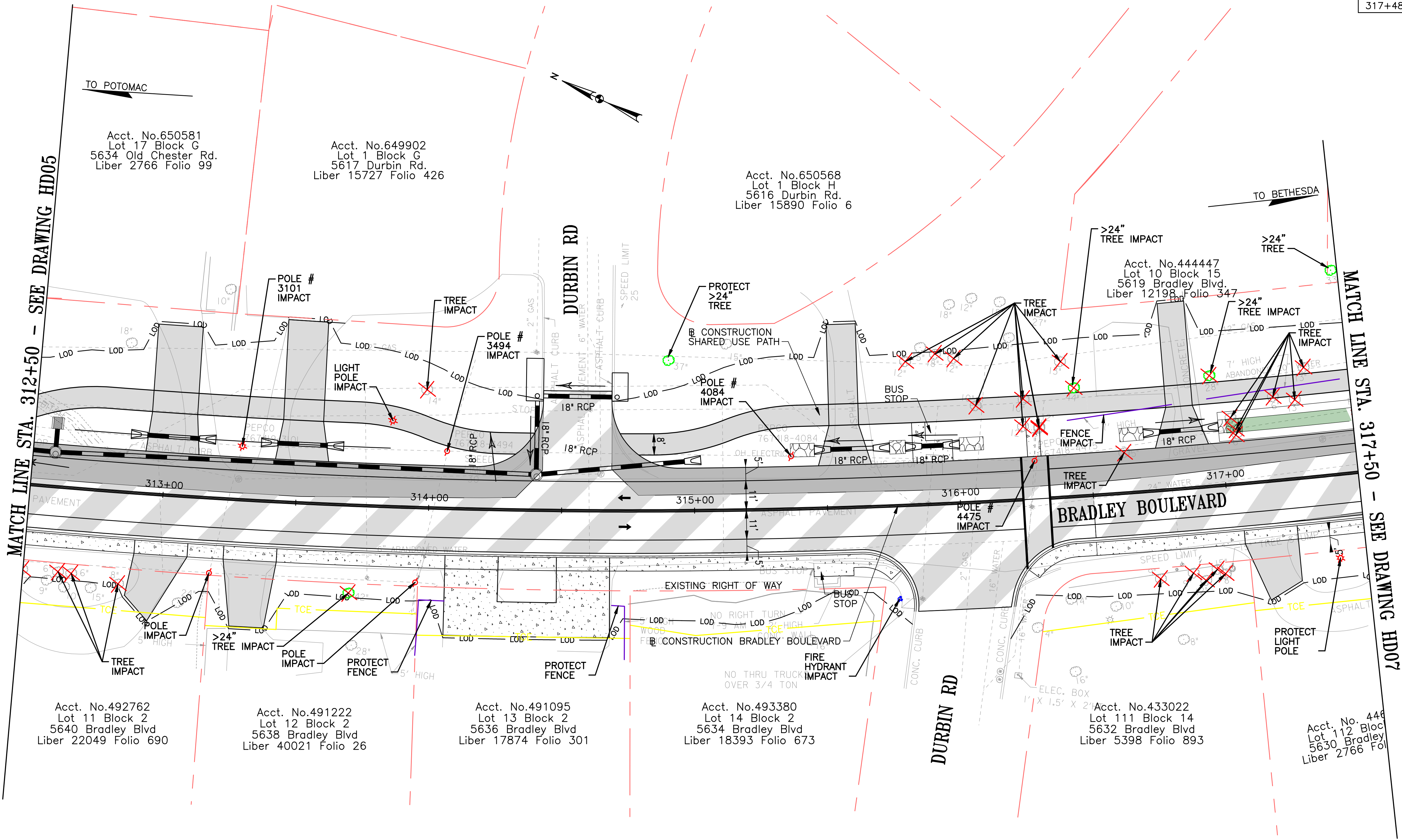


SCALE : 1"=20' DECEMBER 2013

Project No. : 509337 SHEET 15 of 48

Summary of Trees ≥ 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
313+71	42	Silver Maple	Very Poor	>24" Tree Impact
314+90	37	Pignut Hickory	Good	Protect >24" Tree
316+45	44	S. Red Oak	Fair	>24" Tree Impact
316+97	28	Pignut Hickory	Good	>24" Tree Impact
317+48	33	White Oak	Fair	>24" Tree

DRIVEWAY IMPACT				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5634 OLD CHESTER RD	313+05	-16.00'	564	ASPHALT
5617 DURBIN ROAD	313+52	-16.00'	705	ASPHALT
5616 DURBIN ROAD	315+59	-16.00'	423	ASPHALT
5619 BRADLEY BLVD	316+85	-16.00'	1150	NOT STANDARD
5640 BRADLEY BLVD	313+00	17.67'	263	ASPHALT
5638 BRADLEY BLVD	313+33	17.67'	317	ASPHALT
5636 BRADLEY BLVD	314+17	17.67'	490	CONCRETE
5630 BRADLEY BLVD	314+60	17.67'	490	CONCRETE
5630 BRADLEY BLVD	317+17	17.67'	268	ASPHALT



LEGEND	
	HOT MIX ASPHALT FULL DEPTH PAVEMENT
	MILL AND HOT MIX ASPHALT OVERLAY
	CONCRETE
	BIOSWALE
	DRAINAGE PIPE
	DRAINAGE INLET
	DRAINAGE MANHOLE
	CURB AND GUTTER
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY
	EXISTING RIGHT OF WAY
	SIGNIFICANT TREE (>24" DIAMETER)
	TREE IMPACT
	LANDSCAPE FEATURE IMPACT
	FENCE IMPACT
	MAILBOX IMPACT
	UTILITY POLE IMPACT

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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
APPROVED

Chief, Division of Transportation Engineering

Designed by: VAK

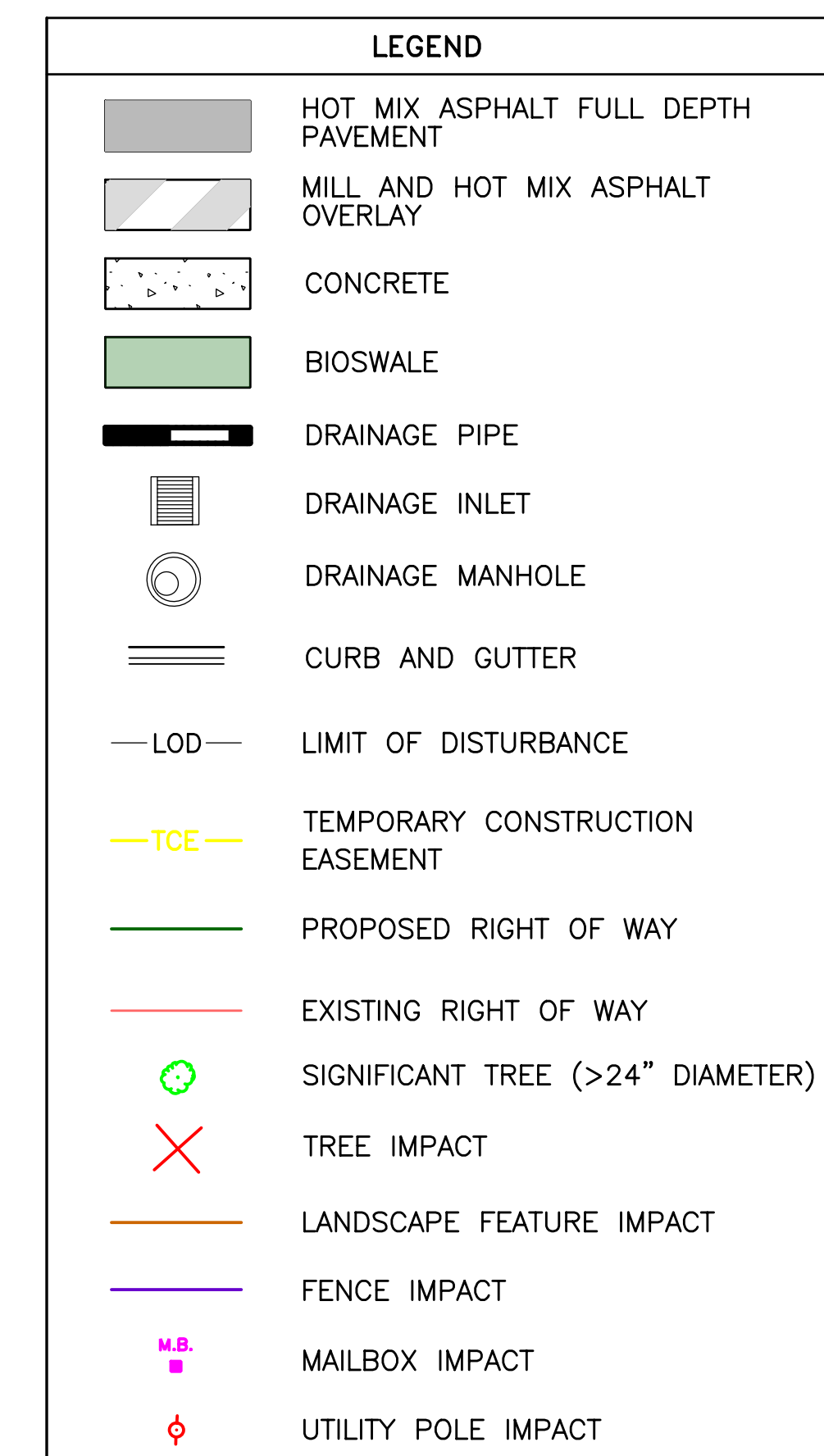
Drawn by: NSP

Checked by: MTR

HD06-ROADWAY PLAN
BRADLEY BOULEVARD (MD 191)
BIKEWAY PROJECT
FROM WILSON LANE
TO GLENBROOK ROAD

SCALE : 1"=20'
DECEMBER 2013
Project No. : 509337
SHEET 16 of 48

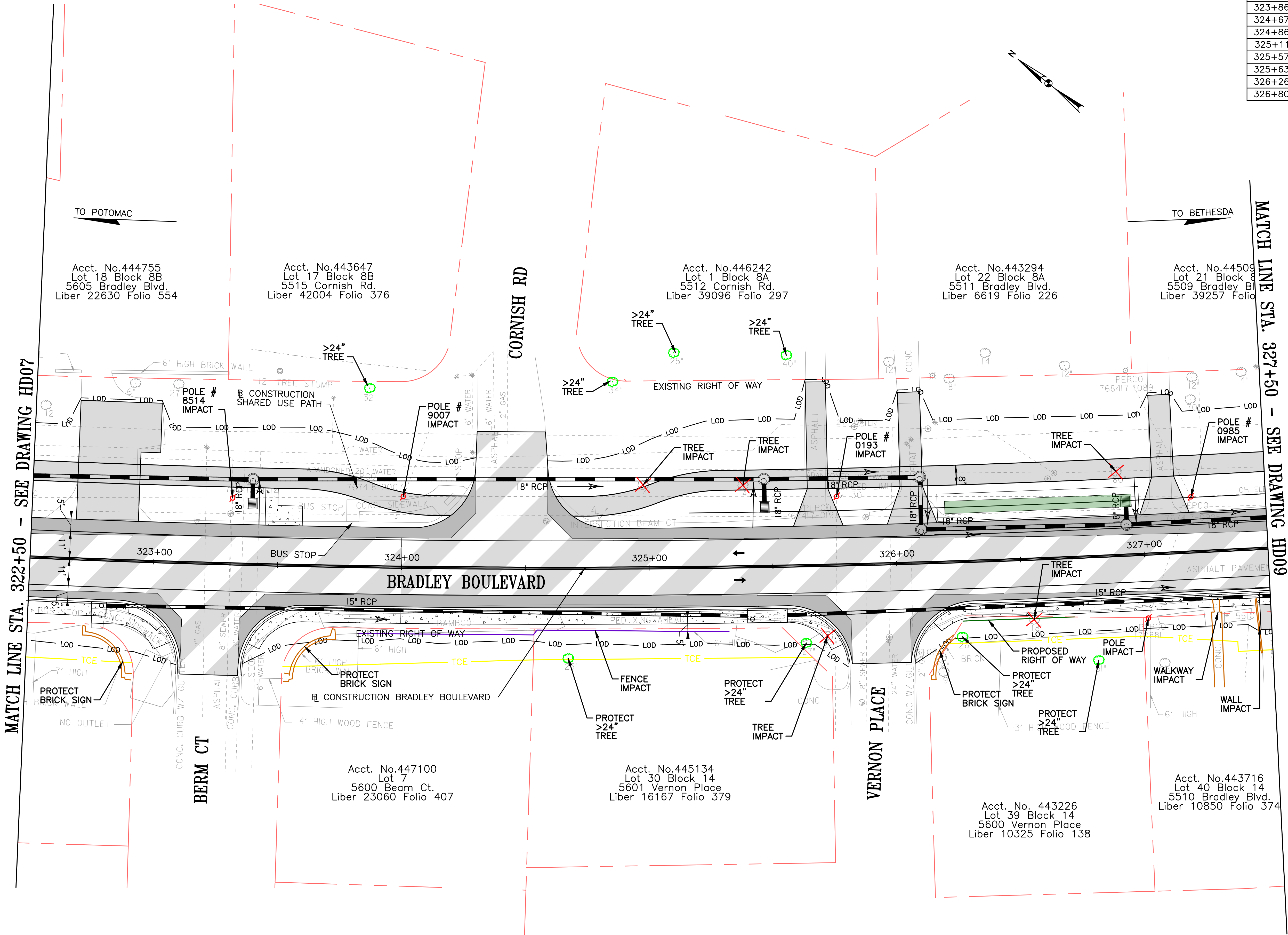
DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5617 BRADLEY BLVD	318+10	-16.00'	234	NOT STANDARD
5615 BRADLEY BLVD	318+42	-16.00'	375	ASPHALT
5613 BRADLEY BLVD	318+95	-16.00'	375	ASPHALT
5630 BRADLEY BLVD	317+63	17.67'	389	ASPHALT
5626 BRADLEY BLVD	317+94	17.67'	340	ASPHALT
	318+41	17.67'	440	ASPHALT
5620 BRADLEY BLVD	318+71	17.67'	295	ASPHALT
	319+17	17.67'	297	ASPHALT
5618 BRADLEY BLVD	319+45	17.67'	146	ASPHALT
	319+89	17.67'	151	ASPHALT
5614 BRADLEY BLVD	320+36	17.67'	149	ASPHALT
	320+91	17.67'	146	ASPHALT
5610 BRADLEY BLVD	321+13	17.67'	149	ASPHALT
	321+71	17.67'	148	ASPHALT



SCALE : 1"=20'		DECEMBER 2013	
Project No. :	509337	SHEET	17 of 48

Summary of Trees ≥ 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
323+86	32	Chinese Chestnut	Fair	>24" Tree
324+67	25	Red Maple	Good	Protect >24" Tree
324+86	34	Red Maple	Fair/Poor	>24" Tree
325+11	25	N. Red Oak	Good/Fair	>24" Tree
325+57	40	Silver Maple	Fair/Good	>24" Tree
325+63	27	N. White Cedar	Fair	Protect >24" Tree
326+26	26	N. White Cedar	Fair	Protect >24" Tree
326+80	51	Red Maple	Good	Protect >24" Tree

DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5605 BRADLEY BLVD	322+80	-16.00'	668	ASPHALT
5512 CORNISH ROAD	325+68	-16.00'	417	ASPHALT
5511 BRADLEY BLVD	326+07	-16.00'	436	ASPHALT
5509 BRADLEY BLVD	327+10	-16.00'	390	ASPHALT
5510 BRADLEY BLVD	327+50	17.67'	130	ASPHALT



LEGEND	
	HOT MIX ASPHALT FULL DEPTH PAVEMENT
	MILL AND HOT MIX ASPHALT OVERLAY
	CONCRETE
	BIOSWALE
	DRAINAGE PIPE
	DRAINAGE INLET
	DRAINAGE MANHOLE
	CURB AND GUTTER
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY
	EXISTING RIGHT OF WAY
	SIGNIFICANT TREE (>24" DIAMETER)
	TREE IMPACT
	LANDSCAPE FEATURE IMPACT
	FENCE IMPACT
	MAILBOX IMPACT
	UTILITY POLE IMPACT

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EXPIRATION DATE: 06/11/2015

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
APPROVED
Chief, Division of Transportation Engineering

Designed by: VAK Drawn by: NSP Checked by: MTR

HD08-ROADWAY PLAN
**BRADLEY BOULEVARD (MD 191)
BIKEWAY PROJECT
FROM WILSON LANE
TO GLENBROOK ROAD**

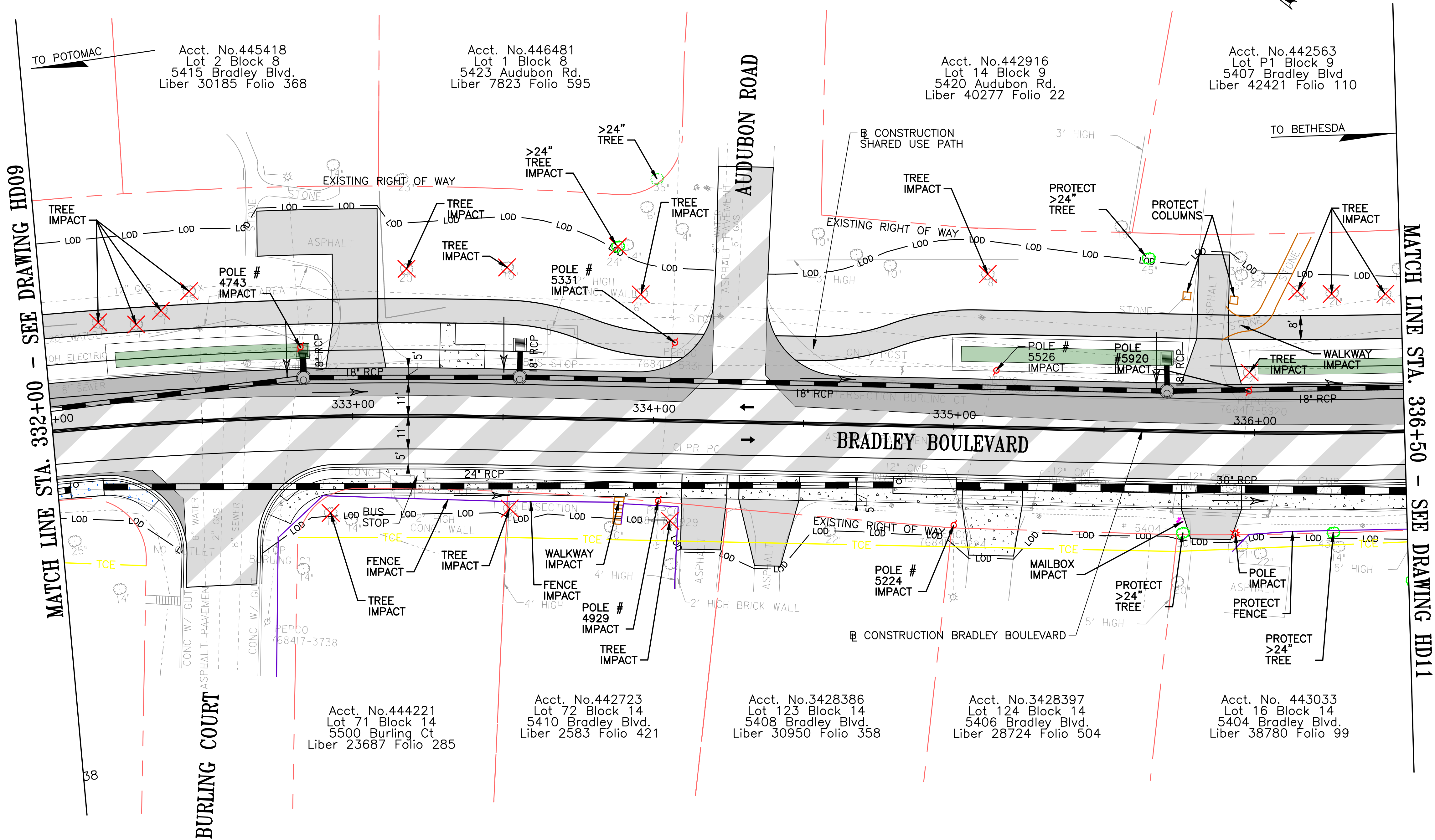
SCALE : 1"=20'
Project No. : 509337 SHEET 18 of 48
DECEMBER 2013

DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5507 BRADLEY BLVD	328+28	-16.00'	428	ASPHALT
5505 BRADLEY BLVD	328+56	-16.00'	462	CONCRETE
5503 BRADLEY BLVD	329+26	-16.00'	413	ASPHALT
5501 BRADLEY BLVD	328+00	17.67'	156	ASPHALT
5500 BRITE DRIVE	329+48	17.67'	252	ASPHALT
	329+68	17.67'	369	CONCRETE
5504 BRADLEY BLVD	330+11	17.67'	703	CONCRETE
	330+25	17.67'	323	ASPHALT
5500 BRADLEY BLVD	330+87	17.67'	90	ASPHALT
	331+05	17.67'	83	ASPHALT
5420 BRADLEY BLVD	331+45	17.67'	84	ASPHALT

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Summary of Trees ≥ 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
333+87	24	Black Walnut	Good	>24" Tree Impact
333+95	35	Black Walnut	Good	>24" Tree
335+64	45	Black Walnut	Good/Fair	Protect >24" Tree
335+77	30	Pin Oak	Fair	Protect >24" Tree
336+26	43	N. Red Oak	Good	Protect >24" Tree

DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5415 BRADLEY BLVD	333+01	-16.00'	1088	ASPHALT
5407 BRADLEY BLVD	335+85	-16.00'	286	NOT STANDARD
5410 BRADLEY BLVD	334+20	17.67'	169	ASPHALT
5408 BRADLEY BLVD	334+40	17.67'	160	ASPHALT
5406 BRADLEY BLVD	335+14	17.67'	178	CONCRETE
5404 BRADLEY BLVD	335+85	17.67'	166	ASPHALT



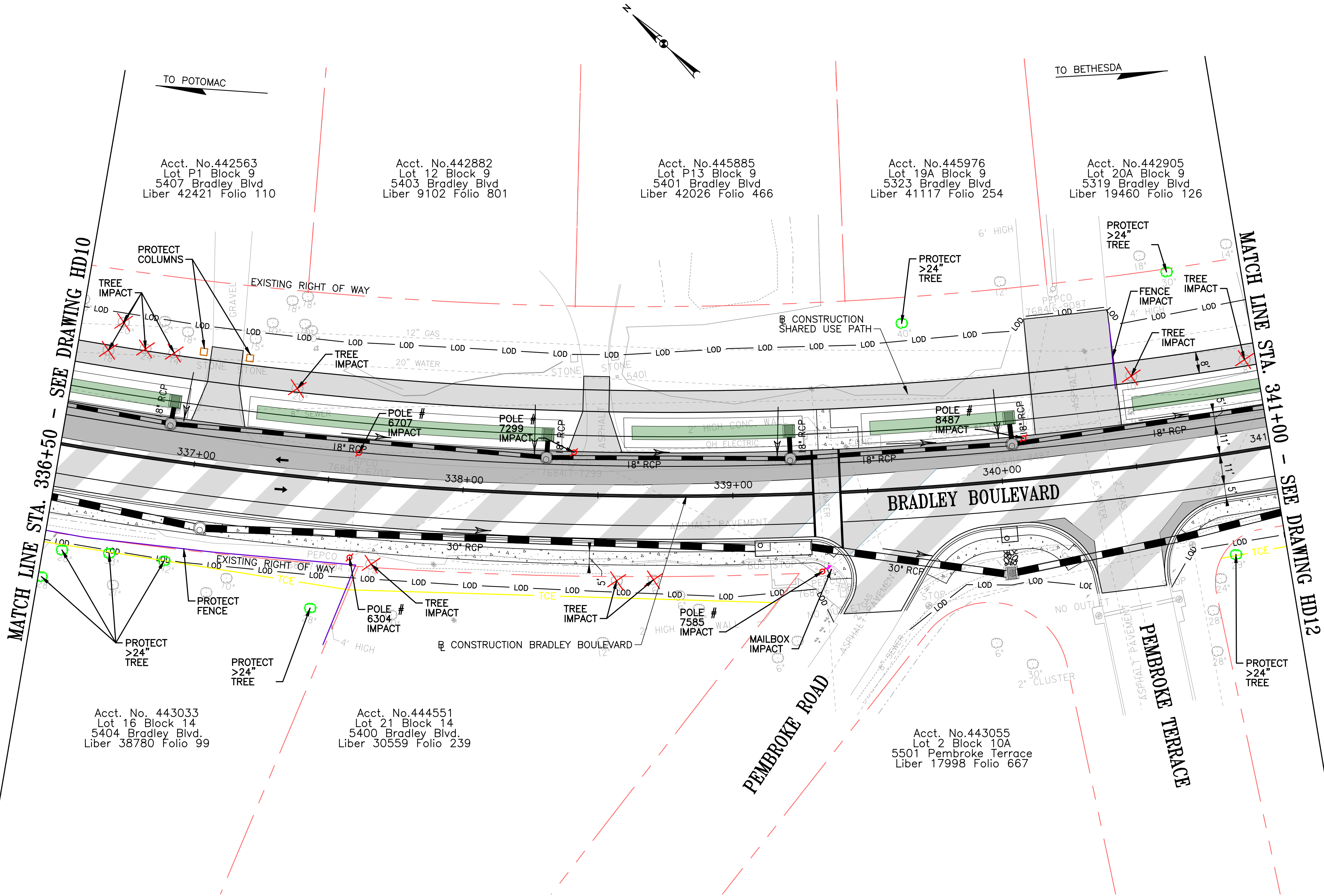
LEGEND	
	HOT MIX ASPHALT FULL DEPTH PAVEMENT
	MILL AND HOT MIX ASPHALT OVERLAY
	CONCRETE
	BIOSWALE
	DRAINAGE PIPE
	DRAINAGE INLET
	DRAINAGE MANHOLE
	CURB AND GUTTER
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY
	EXISTING RIGHT OF WAY
	SIGNIFICANT TREE (>24" DIAMETER)
	TREE IMPACT
	LANDSCAPE FEATURE IMPACT
	FENCE IMPACT
	MAILBOX IMPACT
	UTILITY POLE IMPACT

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NO.	REVISION	DATE	BY				

Summary of Trees > 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
336+51	28	White Pine	Fair	Project >24" Tree
336+57	28	N. Red Oak	Good/Fair	Project >24" Tree
336+74	33	N. Red Oak	Fair	Project >24" Tree
336+94	42	N. Red Oak	Good/Fair	Project >24" Tree
337+48	28	N. Red Oak	Fair	Project >24" Tree
339+67	40	Tulip Poplar	Good	Project >24" Tree
340+71	30	Tulip Poplar	Good	Project >24" Tree
340+81	29	Pin Oak	Good/Fair	Project >24" Tree

DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5407 BRADLEY BLVD	337+07	-16.00'	296	NOT STANDARD
5403 BRADLEY BLVD	338+50	-16.00'	270	ASPHALT
5323 BRADLEY BLVD	340+30	-16.00'	798	ASPHALT
5319 BRADLEY BLVD				



LEGEND	
	HOT MIX ASPHALT FULL DEPTH PAVEMENT
	MILL AND HOT MIX ASPHALT OVERLAY
	CONCRETE
	BIOSWALE
	DRAINAGE PIPE
	DRAINAGE INLET
	DRAINAGE MANHOLE
	CURB AND GUTTER
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY
	EXISTING RIGHT OF WAY
	SIGNIFICANT TREE (>24" DIAMETER)
	TREE IMPACT
	LANDSCAPE FEATURE IMPACT
	FENCE IMPACT
	MAILBOX IMPACT
	UTILITY POLE IMPACT

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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
APPROVED

Chief, Division of Transportation Engineering

Designed by: VAK Drawn by: NSP Checked by: MTR

DATE

DATE

DATE

HD11-ROADWAY PLAN
**BRADLEY BOULEVARD (MD 191)
BIKEWAY PROJECT
FROM WILSON LANE
TO GLENBROOK ROAD**

SCALE : 1"=20'
Project No. : 509337 SHEET 21 of 48

DECEMBER 2013

DRIVEWAY IMPACTS				
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL
5315 BRADLEY BLVD	341+61	-16.00'	423	ASPHALT
5316 BRADLEY BLVD	342+19	17.67"	175	ASPHALT
5312 BRADLEY BLVD	343+05	17.67"	175	ASPHALT
	343+65	17.67"	180	ASPHALT
5310 BRADLEY BLVD	343+90	17.67"	158	ASPHALT
	344+72	19.18'	151	ASPHALT
5306 BRADLEY BLVD	344+88	20.93'	129	ASPHALT

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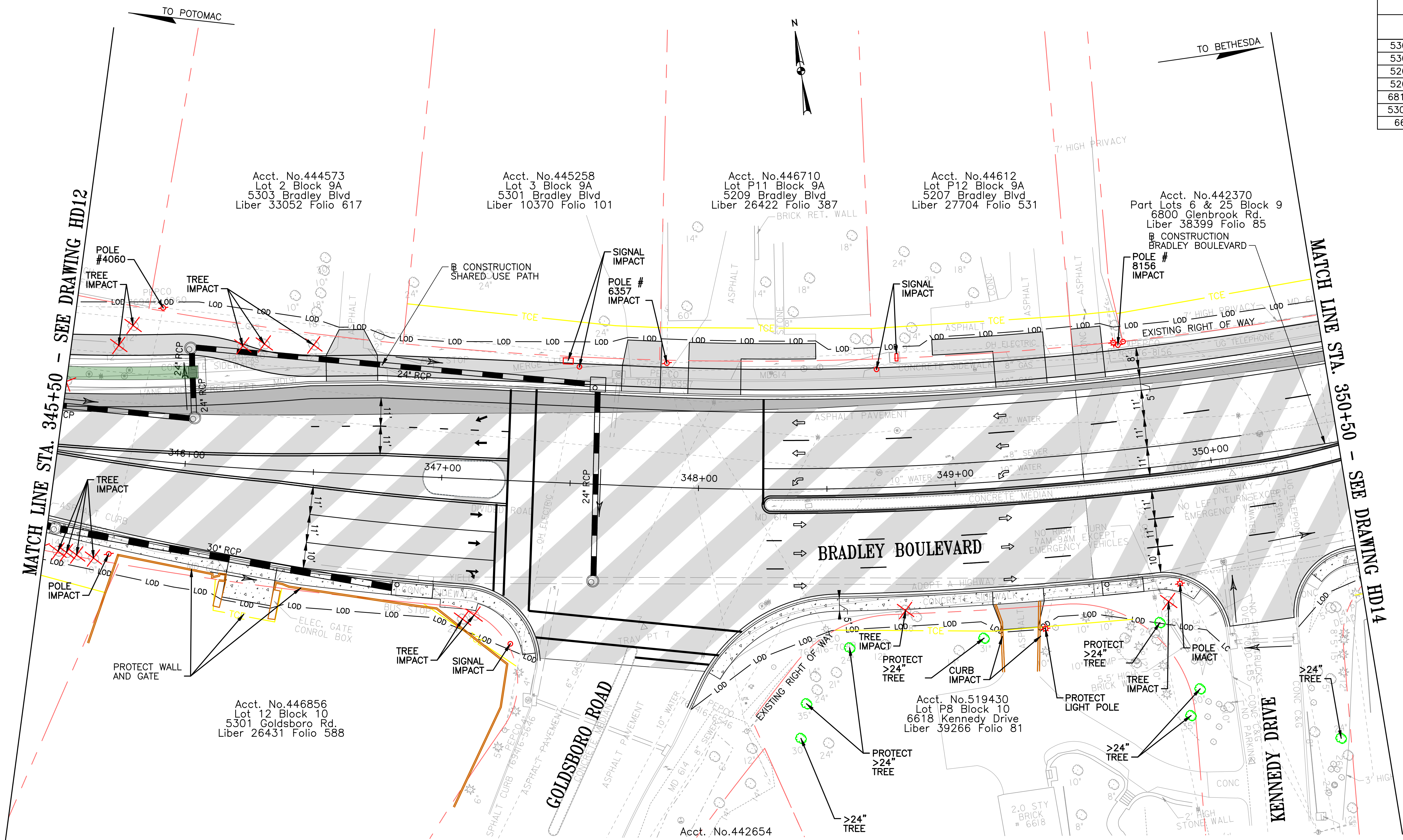
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801 South Caroline Street, Baltimore, Maryland 21231

				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	HD12-ROADWAY PLAN
				RECOMMENDED FOR APPROVAL	BRADLEY BOULEVARD (MD 191) BIKEWAY PROJECT FROM WILSON LANE TO GLENBROOK ROAD
				Chief, Transportation Planning and Design Section _____ Date _____ APPROVED	
				Chief, Division of Transportation Engineering _____ Date _____	
				Designed by: <u>VAK</u> Drawn by: <u>NSP</u> Checked by: <u>MTR</u>	
				Project No.: <u>509337</u> SHEET <u>22</u> of <u>48</u>	
NO.	REVISION	DATE	BY		SCALE : 1"=20'
					DECEMBER 2013

Summary of Trees ≥ 24 Inches Diameter at Breast Height (DBH)				
Station	DBH (inches)	Species	Health	Remarks
348+39	30	White Ash	Good	>24" Tree
348+41	35	White Ash	Good	Protect >24" Tree
348+57	24	White Ash	Good	Protect >24" Tree
349+07	31	White Ash	Good	Protect >24" Tree
349+73	28	Tulip Poplar	Good	Protect >24" Tree
349+81	35	Tulip Poplar	Fair	>24" Tree
349+85	30	Tulip Poplar	Fair	>24" Tree
350+34	24	Tulip Poplar	Good	>24" Tree

DRIVEWAY IMPACTS					
ADDRESS	STATION	OFFSET	SF	EX. DRIVEWAY MATERIAL	
5303 BRADLEY BLVD	346+64	-35.24'	188	ASPHALT	
5301 BRADLEY BLVD	347+75	-36.67'	172	ASPHALT	
5209 BRADLEY BLVD	348+05	-36.67'	418	ASPHALT	
5207 BRADLEY BLVD	349+28	-36.67'	380	ASPHALT	
6810 GLENBROOK RD	349+57	-36.67'	138	ASPHALT	
5301 GOLDSBORO RD	346+27	37.57'	192	NOT STANDARD	
6618 KENNEDY DR	349+22	42.67'	170	ASPHALT	



LEGEND	
	HOT MIX ASPHALT FULL DEPTH PAVEMENT
	MILL AND HOT MIX ASPHALT OVERLAY
	CONCRETE
	BIOSWALE
	DRAINAGE PIPE
	DRAINAGE INLET
	DRAINAGE MANHOLE
	CURB AND GUTTER
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY
	EXISTING RIGHT OF WAY
	SIGNIFICANT TREE (>24" DIAMETER)
	TREE IMPACT
	LANDSCAPE FEATURE IMPACT
	FENCE IMPACT
	MAILBOX IMPACT
	UTILITY POLE IMPACT

N:\31681-01\A\CD\Highway\DisplayFiles\Color Impacts\November 2013\3168101.DWG - 135c.dgn
2/25/2015

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. 19165
EXPIRATION DATE: 06/11/2015

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

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: VAK	Drawn by: NSP	Checked by: MTR	
NO.	REVISION	DATE	BY

HD13-ROADWAY PLAN
**BRADLEY BOULEVARD (MD 191)
BIKEWAY PROJECT
FROM WILSON LANE
TO GLENBROOK ROAD**

SCALE : 1"=20'
Project No. : 509337
SHEET 22 of 48
DECEMBER 2013

