

NOTES:

- REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
- CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
- INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
- UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
- REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
- REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
- REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND

— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL		
-O-	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

BIOSWALE BOTTOMS SHALL BE SEEDED WITH MDOT SHA'S BIORETENTION SOIL MIX MEADOW ESTABLISHMENT, SEE SPECIFICATIONS FOR APPLICATION RATES.

FORBS

BLACKEYED SUSAN
PARTRIDGE PEA
RED CLOVER

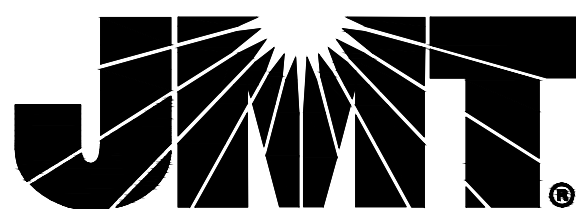
GRASSES

SWITCHGRASS
DEERTONGUE
HARD FESCUE
WEEPING ALKALIGRASS
PURPLETOP
VIRGINIA WILD RYE

LANDSCAPE PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
<u>TREES</u>						
CC	4	CERCIS CANADENSIS 'FOREST PANSY'	'FOREST PANSY' EASTERN REDBUD	2.0" CAL.	B&B	20' O.C., AS SHOWN
CV	5	CRATAEGUS VIRIDIS 'WINTER KING'	'WINTER KING' GREEN HAWTHORN	2.0" CAL.	B&B	20' O.C., AS SHOWN

90% DESIGN
NOT FOR CONSTRUCTION



MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Date

Chief, Division of Transportation Engineering

Date

Designed by: SJR Drawn by: SJR Checked by: JJR

LS-02
LANDSCAPE PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APMO0393X

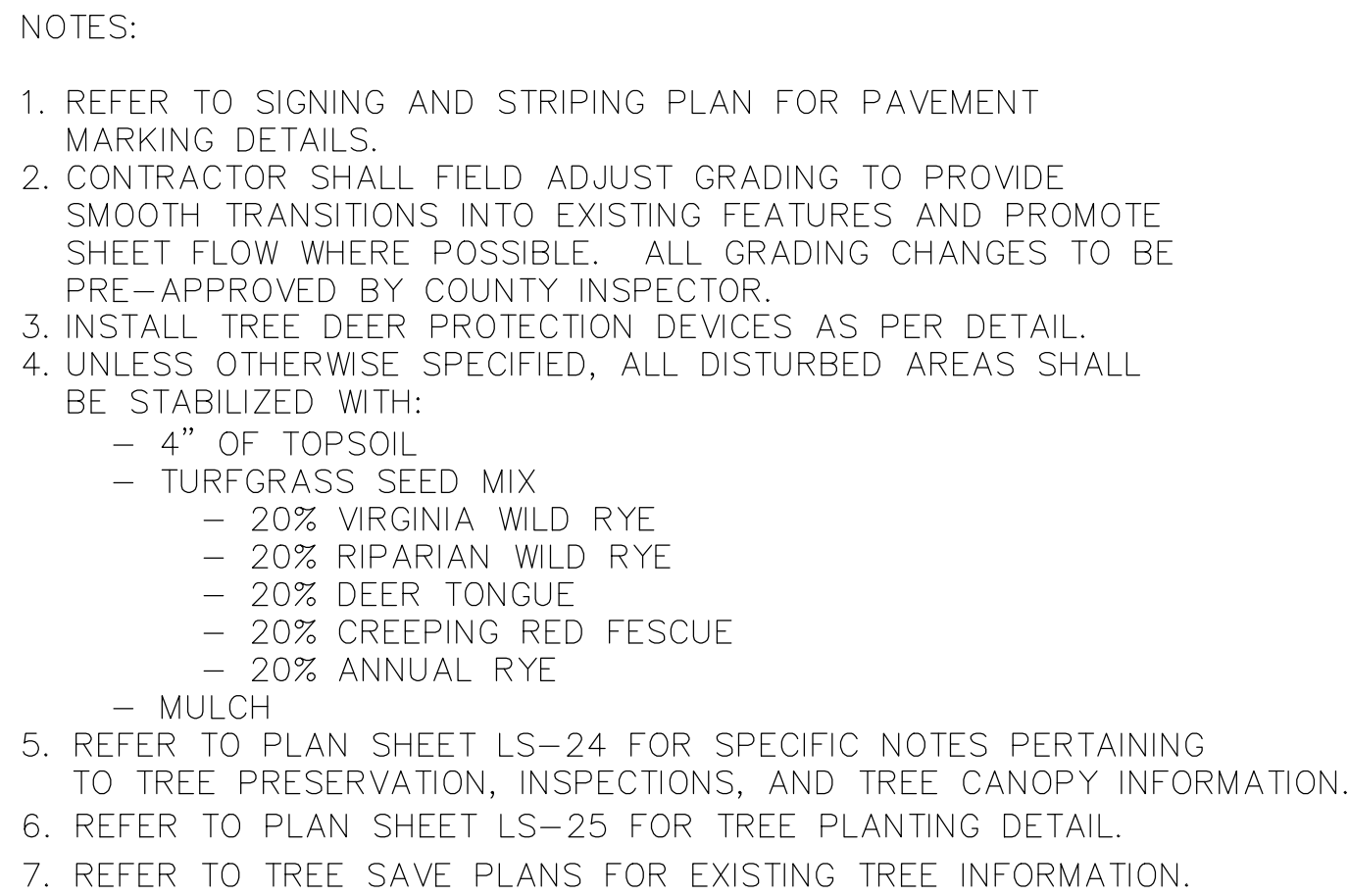
0 30' 60'

SCALE: 1"=30'

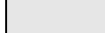
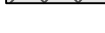
DATE: APRIL 2025

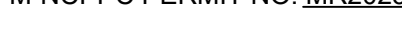
Project No.: 502108

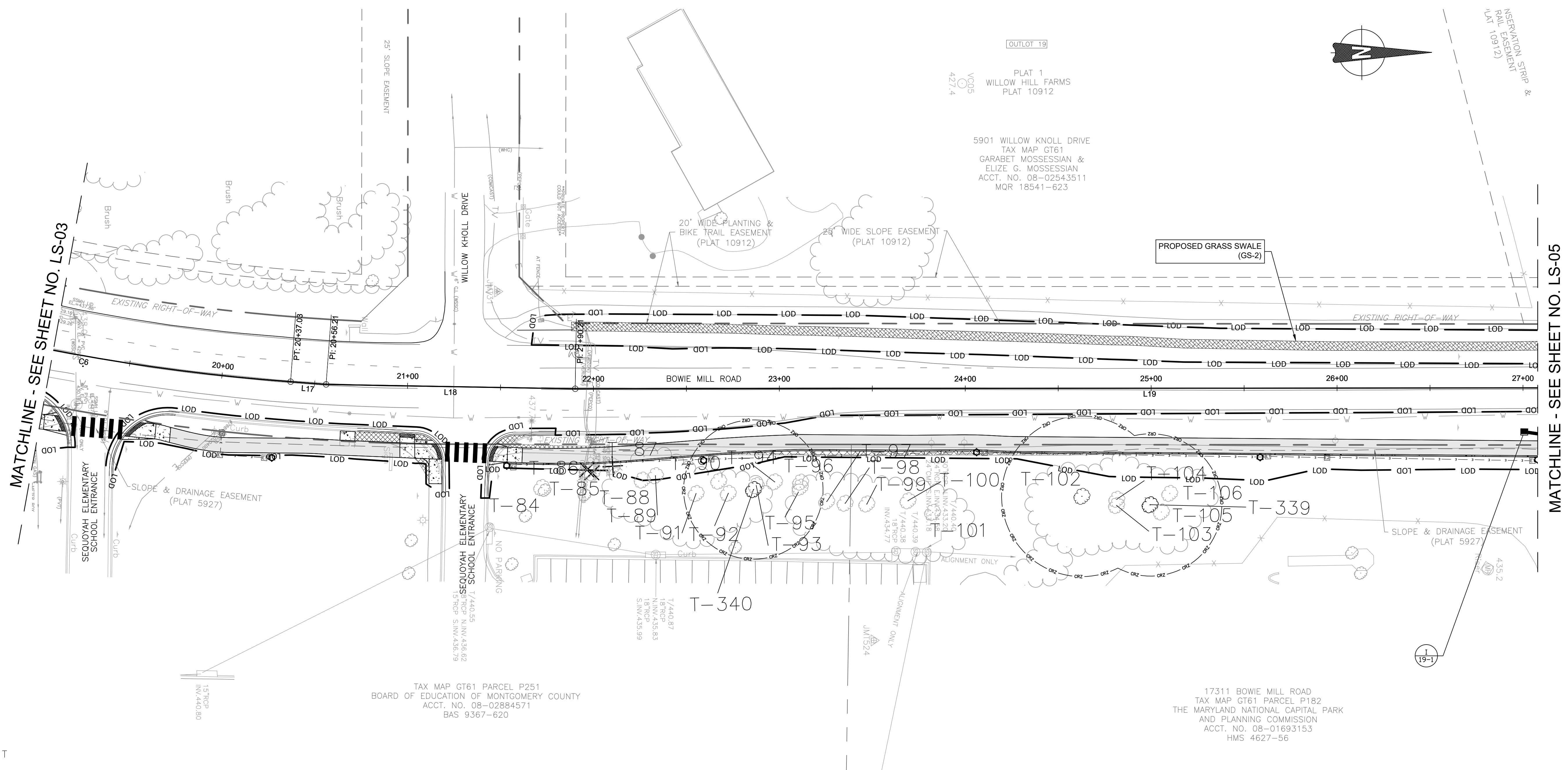
Sheet 290 of 393



LEGEND

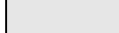
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
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— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL		
— O —	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

90% DESIGN NOT FOR CONSTRUCTION				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-03 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY			
				RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APM0039XX</u>			
				Chief, Design Section _____ Date _____ APPROVED							
				Chief, Division of Transportation Engineering _____ Date _____				SCALE: 1"=30'			
				Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>				Project No. : <u>502108</u>			
NO.	REVISION	DATE	BY					Sheet <u>291</u> of <u>393</u>			



NOTES:

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LEGEND		
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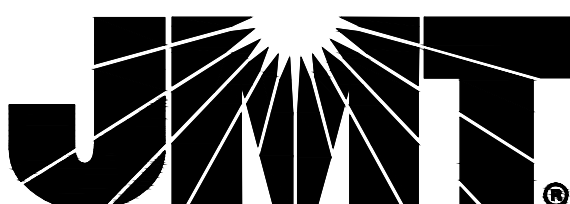
BIOSWALE BOTTOMS SHALL BE SEEDED WITH MDOT
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SEE SPECIFICATIONS FOR APPLICATION RATES.

FORBS
BLACKEYED SUSAN
PARTRIDGE PEA
RED CLOVER

GRASSES
SWITCHGRASS
DEERTONGUE
HARD FESCUE
WEeping ALKALIGRASS
PURPLETOP
VIRGINIA WILD RYE

NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN
NOT FOR CONSTRUCTION

[illegible]

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section

APPROVED

Chief, Division of Transportation Engineering

Designed by: SJR

Drawn by: SJR

Date _____

Date _____

Checked by: JJF

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

FOR APPROVAL

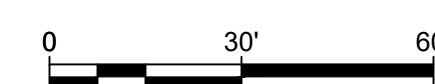
tion

Transportation Engineering

Drawn by: SJR

LS-04
LANDSCAPE PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APMO039XX



SCALE: 1"=30'

DATE: APRIL 2025

Project No. : 502108

Sheet 292 of 393

NOTES:

1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
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LEGEND

— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
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FORBS

BLACKEYED SUSAN
PARTRIDGE PEA
RED CLOVER

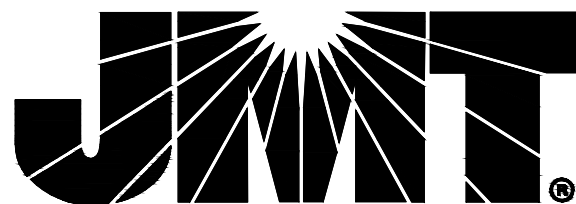
GRASSES

SWITCHGRASS
DEERTONGUE
HARD FESCUE
WEEPING ALKALIGRASS
PURPLETOP
VIRGINIA WILD RYE

LANDSCAPE PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
TREES QC	4	QUERCUS COCCINEA	SCARLET OAK	2.0" CAL.	B&B	50' O.C., AS SHOWN

90% DESIGN
NOT FOR CONSTRUCTION



MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____

APPROVED

Chief, Division of Transportation Engineering _____ Date _____

Designed by: SJR Drawn by: SJR Checked by: JJR

LS-05
LANDSCAPE PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR20230116 SHA TRACKING NO. 24APMO039XX

0 30' 60'

SCALE: 1"=30'

DATE: APRIL 2025

Project No.: 502108

Sheet 293 of 393

NOTES:

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BIOSWALE BOTTOMS SHALL BE SEEDED WITH MDOT SHA'S BIORETENTION SOIL MIX MEADOW ESTABLISHMENT, SEE SPECIFICATIONS FOR APPLICATION RATES.	
FORBS	GRASSES
BLACKEYED SUSAN	SWITCHGRASS
PARTRIDGE PEA	DEERTONGUE
RED CLOVER	HARD FESCUE
	WEEPING ALKALIGRASS
	PURPLETOP
	VIRGINIA WILD RYE

LANDSCAPE PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
<u>TREES</u> QC	7	QUERCUS COCCINEA	SCARLET OAK	2.0" CAL.	B&B	50' O.C., AS SHOWN

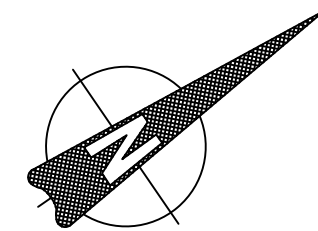
90% DESIGN NOT FOR CONSTRUCTION				<			
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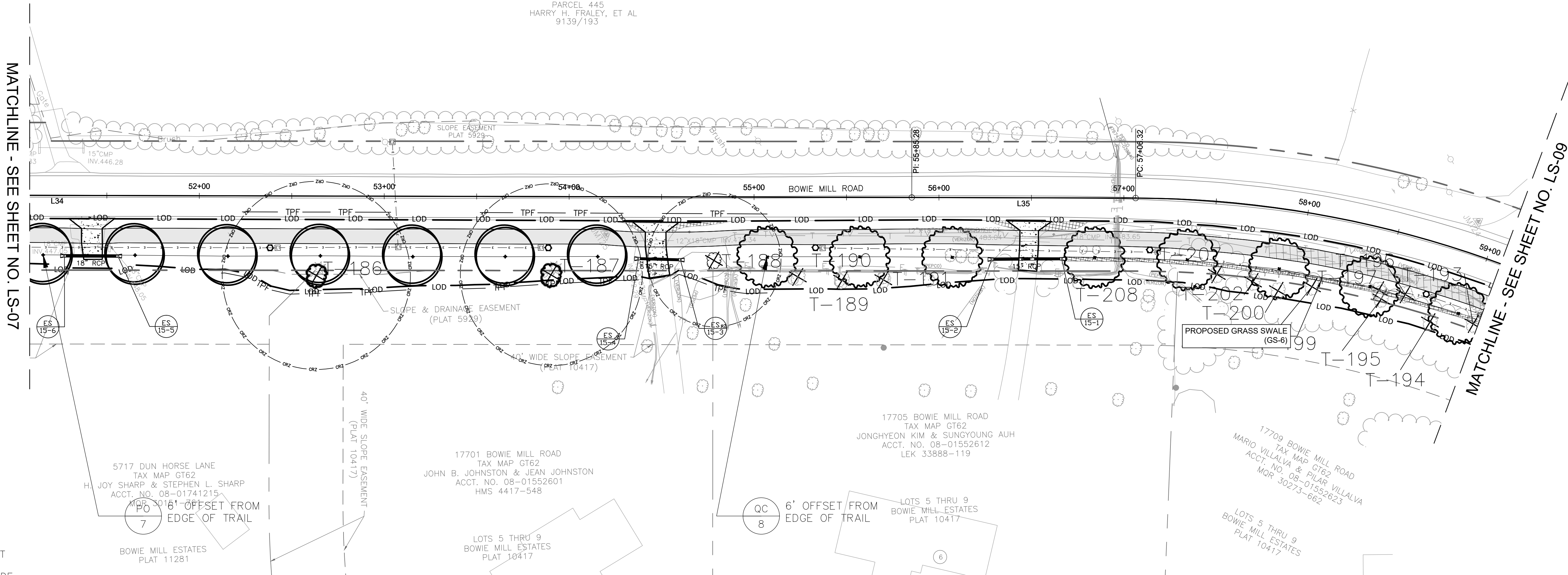
LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
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— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL		PROPOSED LIGHT POLE
-O-	PROPOSED UTILITY POLE		

LANDSCAPE PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
TREES						
CV	6	CRATAEGUS VIRIDIS 'WINTER KING'	'WINTER KING' GREEN HAWTHORN	2.0" CAL.	B&B	20' O.C., AS SHOWN
QC	7	QUERCUS COCCINEA	SCARLET OAK	2.0" CAL.	B&B	50' O.C., AS SHOWN
PO	2	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2.0" CAL.	B&B	50' O.C., AS SHOWN

90% DESIGN NOT FOR CONSTRUCTION					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		LS-07 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u> SCALE: 1"=30' DATE: APRIL 2025
					RECOMMENDED FOR APPROVAL		
				Chief, Design Section		Date	
				Chief, Division of Transportation Engineering		Date	
				Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>		Project No.: <u>502108</u> Sheet <u>295</u> of <u>393</u>	



TAX# 08-01682742
BOWIE MILL ROAD
MAP GT62
PARCEL 445
HARRY H. FRALEY, ET AL
9139/193



NOTES:

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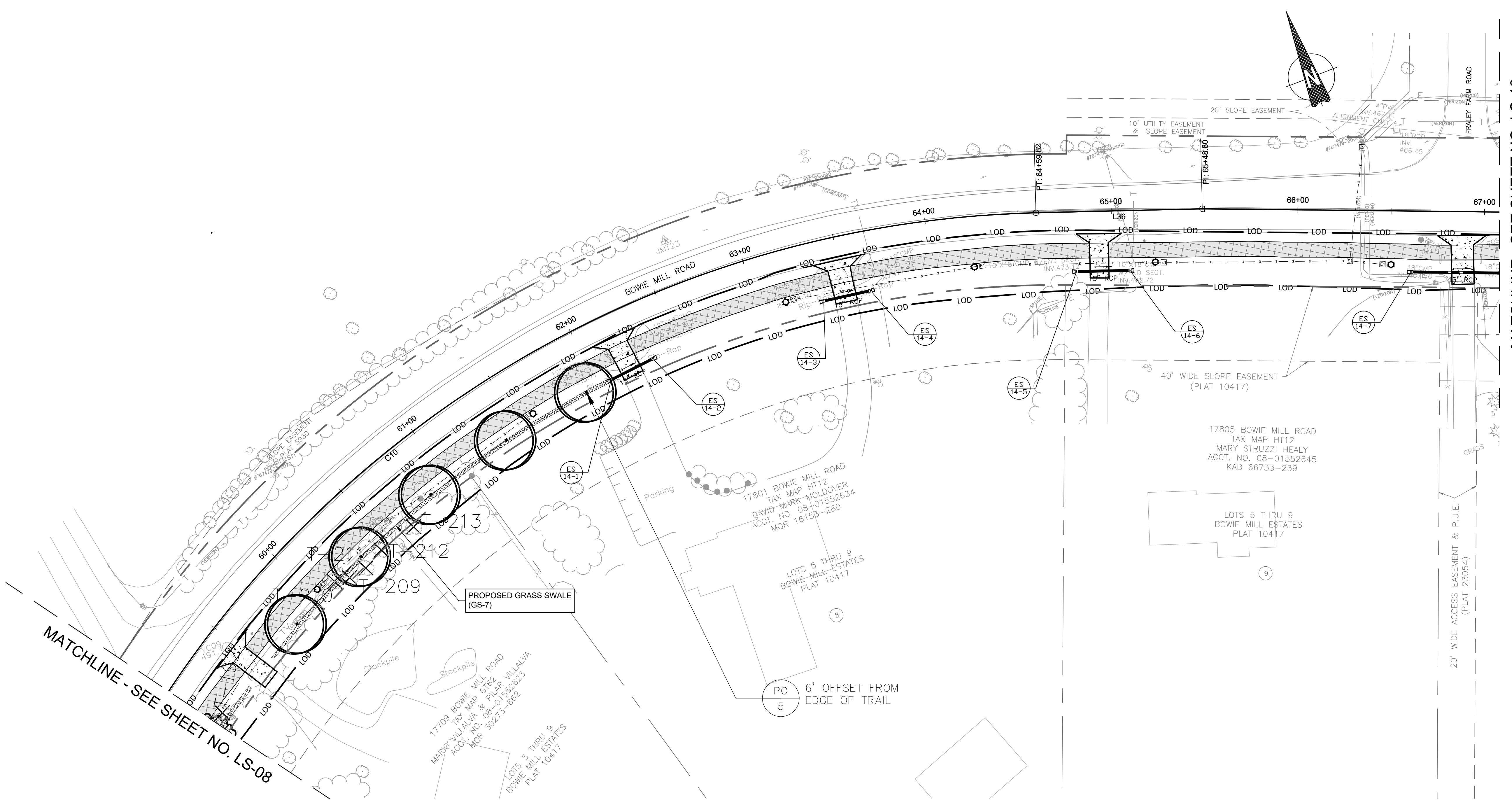
LEGEND			
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LANDSCAPE PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
TREES						
QC	8	QUERCUS COCCINEA	SCARLET OAK	2.0" CAL.	B&B	50' O.C., AS SHOWN
PO	7	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2.0" CAL.	B&B	50' O.C., AS SHOWN

90% DESIGN NOT FOR CONSTRUCTION					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	RECOMMENDED FOR APPROVAL	LS-08 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY	
						Chief, Design Section APPROVED	Date	
						Chief, Division of Transportation Engineering	Date	
						Designed by: <u>SJR</u>	Drawn by: <u>SJR</u>	
						Checked by: <u>JJR</u>		
						M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u>		
						0 30' 60'		
						SCALE: 1"=30'		
						Project No. : <u>502108</u>		
						DATE: APRIL 2025		
						Sheet <u>296</u> of <u>393</u>		

- NOTES:
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LANDSCAPE PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
TREES PO	5	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2.0" CAL.	B&B	50' O.C., AS SHOWN

90% DESIGN
NOT FOR CONSTRUCTION

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

LS-09
LANDSCAPE PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APM0039XX

SCALE: 1"=30'

DATE: APRIL 2025

Project No. : 502108 Sheet 297 of 393

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LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL		
— O —	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

LANDSCAPE PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
TREES PO	8	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2.0" CAL.	B&B	50' O.C., AS SHOWN

90% DESIGN
NOT FOR CONSTRUCTION

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

LS-10
LANDSCAPE PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR20230116 SHA TRACKING NO. 24APMO039XX

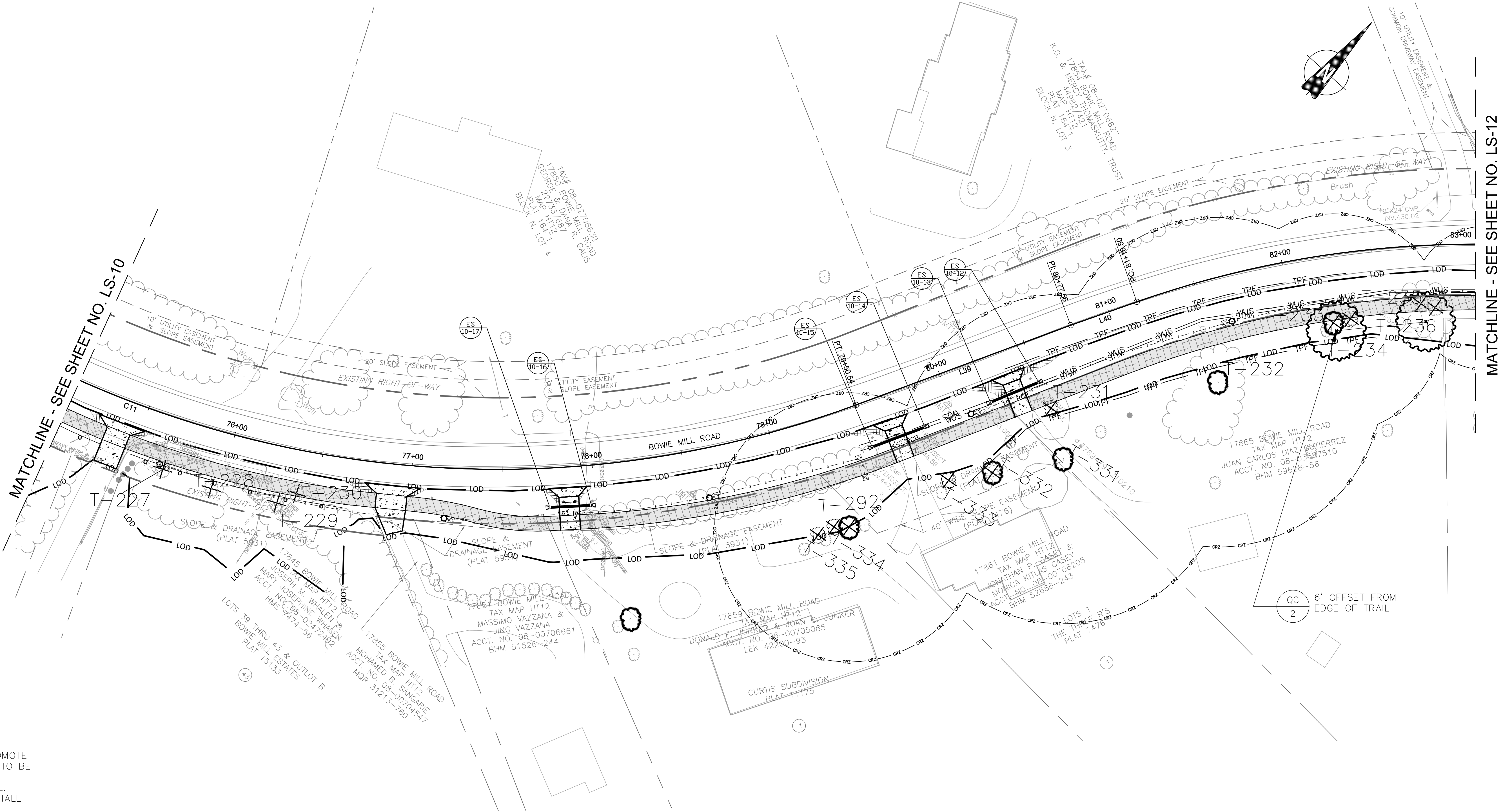
SCALE: 1"=30'

DATE: APRIL 2025

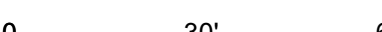
Project No. : 502108 Sheet 298 of 393

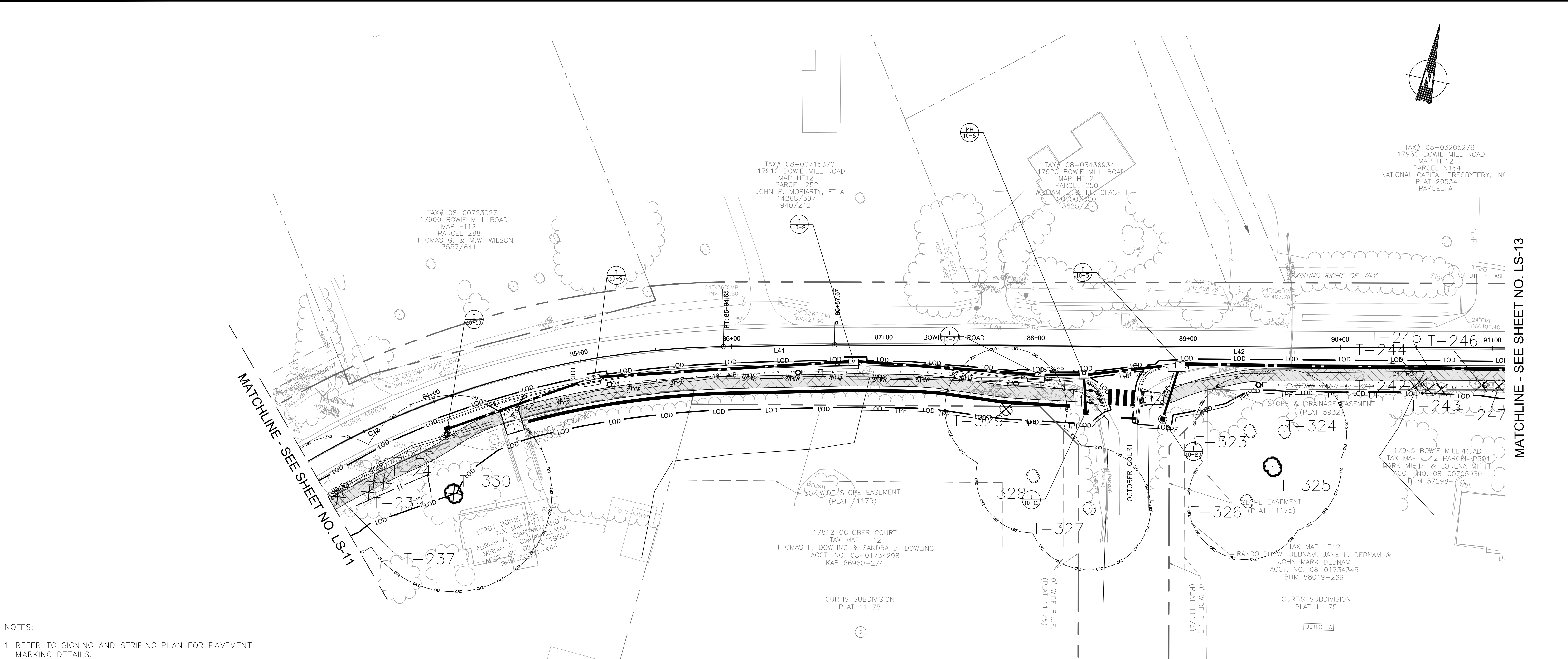
- NOTES:
1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
 2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
 3. INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
 4. UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 5. REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
 6. REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
 7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
=====	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL		
	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE



LANDSCAPE PLANT SCHEDULE						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
TREES QC	2	QUERCUS COCCINEA	SCARLET OAK	2.0" CAL.	B&B	50' O.C., AS SHOWN

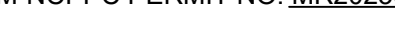
90% DESIGN NOT FOR CONSTRUCTION								MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-11 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY							
								RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u>							
								Chief, Design Section _____ Date _____ APPROVED				 SCALE: 1"=30'							
								Chief, Division of Transportation Engineering _____ Date _____				DATE: APRIL 2025							
								Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>				Project No. : <u>502108</u>							
NO.				REVISION				DATE				BY				Sheet <u>299</u> of <u>393</u>			

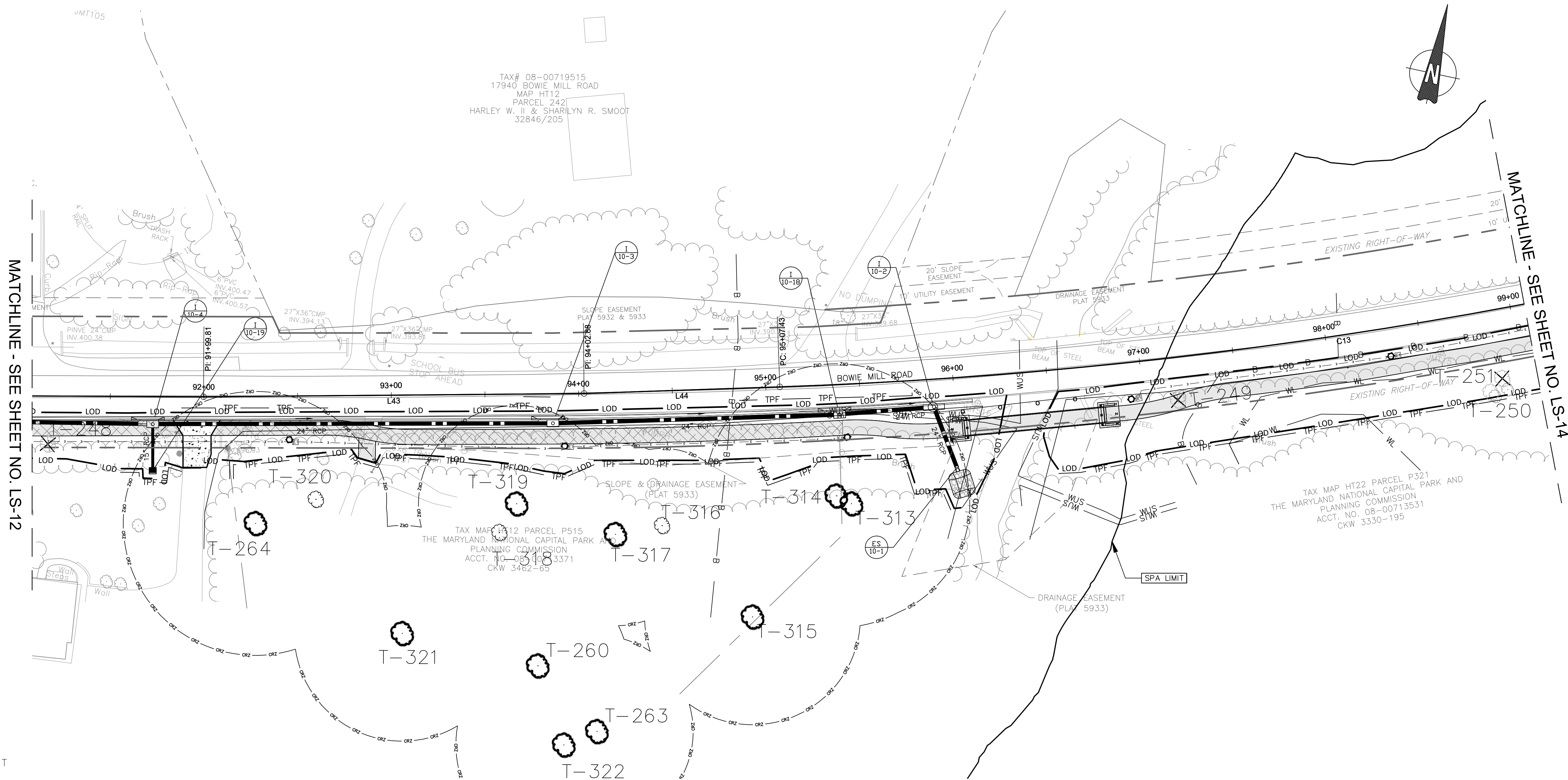


- NOTES:
1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
 2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
 3. INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
 4. UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 5. REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
 6. REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
 7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
—	PROPOSED RETAINING WALL		PROPOSED LIGHT POLE
-O-	PROPOSED UTILITY POLE		

NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN NOT FOR CONSTRUCTION 								MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		LS-12 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY	
								RECOMMENDED FOR APPROVAL			
								Chief, Design Section _____ Date _____ APPROVED		M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APM0039XX</u>  SCALE: 1"=30' DATE: APRIL 2025	
								Chief, Division of Transportation Engineering _____ Date _____			
								Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>			
NO.	REVISION	DATE	BY					Project No. : <u>502108</u>	Sheet <u>300</u> of <u>393</u>		



- NOTES:
1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
 2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
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 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
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 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 5. REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
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 7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
—	PROPOSED RETAINING WALL		
-O-	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

NO LANDSCAPE PLANTINGS THIS SHEET

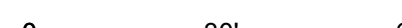
90% DESIGN NOT FOR CONSTRUCTION								MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-13 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY			
								RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APM0039XX</u>			
								Chief, Design Section _____ APPROVED				Date _____			
								Chief, Division of Transportation Engineering _____				Date _____			
								Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>				Project No. : <u>502108</u>			
												Sheet <u>301</u> of <u>393</u>			
NO.				REVISION				DATE				BY			

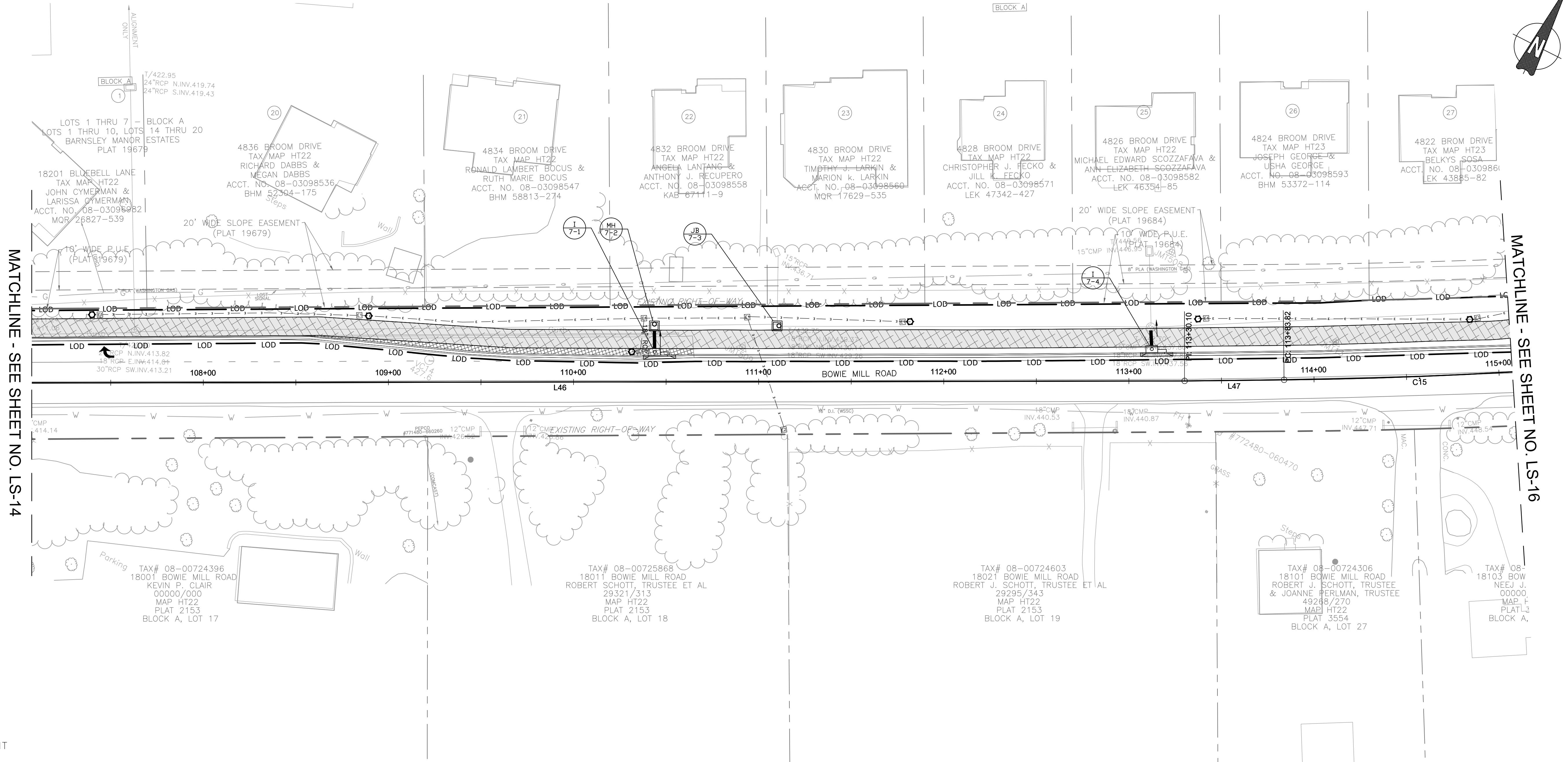
NOTES:

1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
3. INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
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 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
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 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
5. REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
6. REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
—	PROPOSED RETAINING WALL		
-O-	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN NOT FOR CONSTRUCTION								MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-14 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY			
								RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u>			
								Chief, Design Section _____ Date _____ APPROVED				 SCALE: 1"=30'			
								Chief, Division of Transportation Engineering _____ Date _____				DATE: APRIL 2025			
								Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>				Project No. : <u>502108</u>			
												Sheet <u>302</u> of <u>393</u>			
NO.	REVISION	DATE	BY												

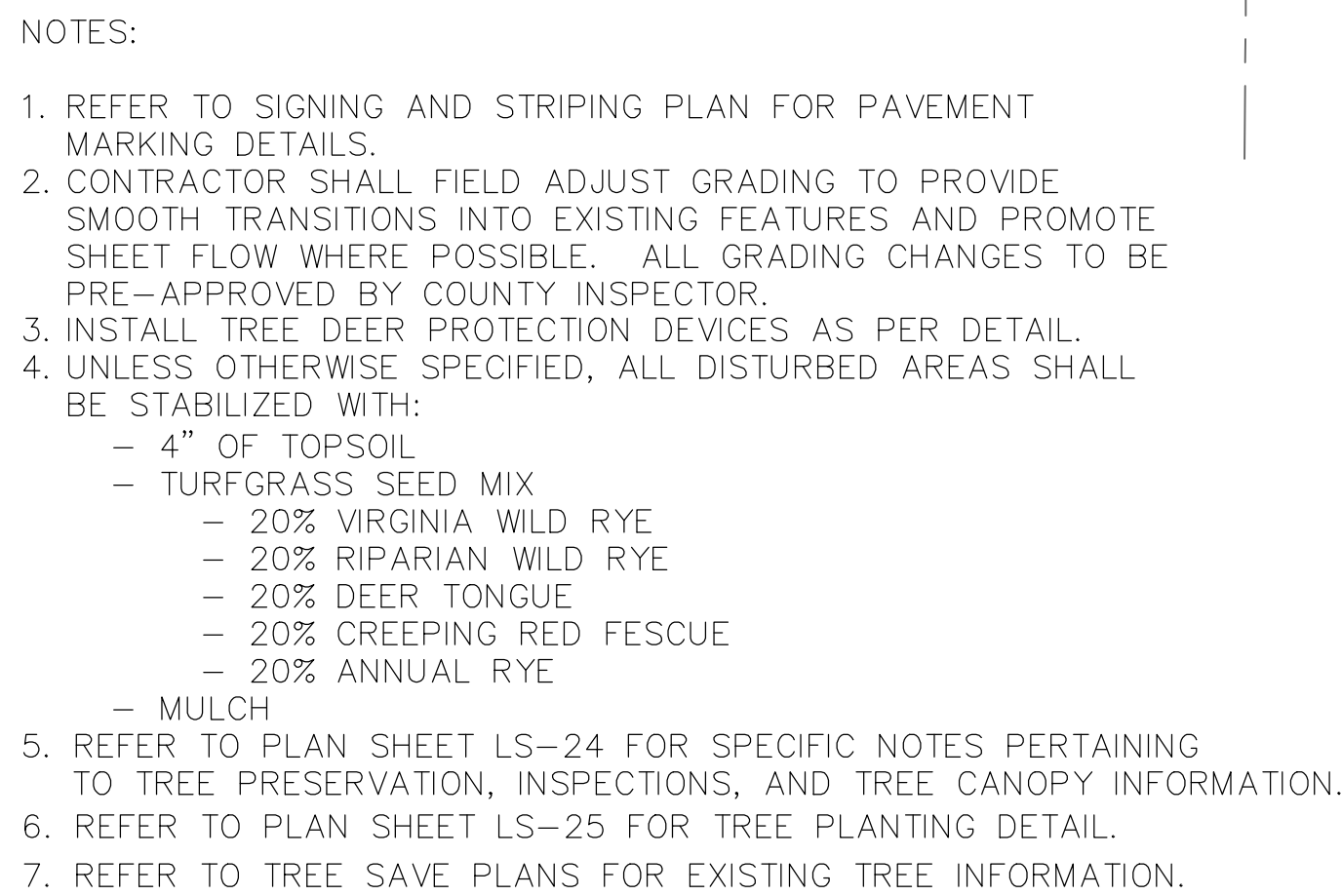


- NOTES:
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 2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
 3. INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
 4. UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
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 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
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 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 5. REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
 6. REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
 7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
	TPF TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
	TCE TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
	PE PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL		PROPOSED LIGHT POLE
	PROPOSED UTILITY POLE		

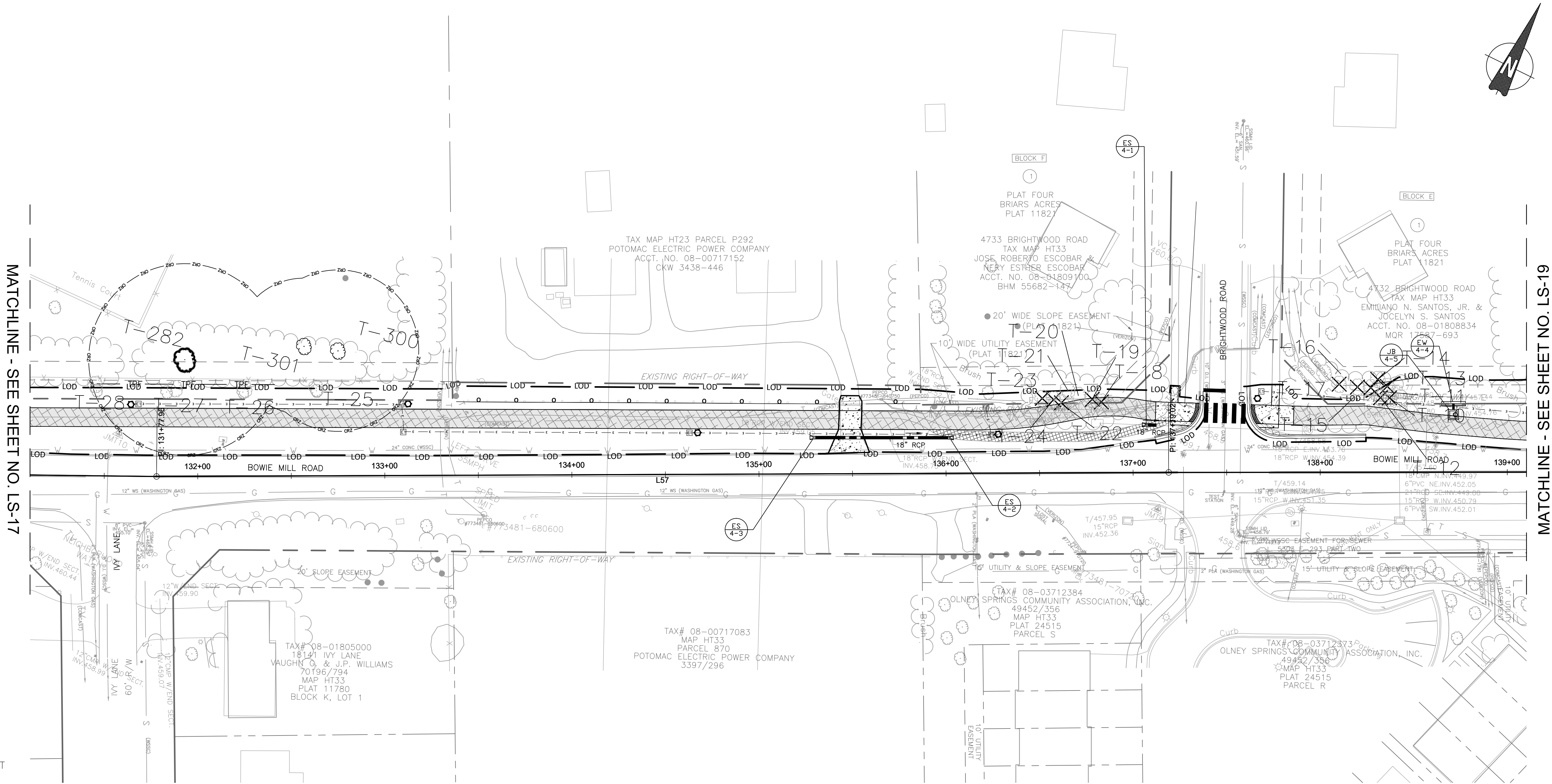
NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN NOT FOR CONSTRUCTION					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		LS-15 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APMO039XX SCALE: 1"=30' DATE: APRIL 2025	
					RECOMMENDED FOR APPROVAL			
				Chief, Design Section	Date		Project No. : 502108 Sheet 303 of 393	
				Chief, Division of Transportation Engineering	Date			
				Designed by: <u>SJR</u>	Drawn by: <u>SJR</u>	Checked by: <u>JJR</u>		
NO.	REVISION	DATE	BY					



LEGEND	
— L&D —	PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
— — —	PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
————	PROPOSED PAVEMENT MARKINGS
— TPF —	TREE PROTECTION FENCE
— TCE —	TEMPORARY CONSTRUCTION EASEMENT
— PE —	PERPETUAL EASEMENT
————	PROPOSED RETAINING WALL
○	PROPOSED UTILITY POLE
	○

90% DESIGN NOT FOR CONSTRUCTION				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-16 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY			
				RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u>			
				Chief, Design Section _____ Date _____ APPROVED				0' 30' 60' SCALE: 1"=30'			
				Chief, Division of Transportation Engineering _____ Date _____				DATE: APRIL 2025			
NO.	REVISION	DATE	BY	Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>				Project No. : <u>502108</u> Sheet <u>304</u> of <u>393</u>			



MATCHLINE - SEE SHEET NO. LS-17

MATCHLINE - SEE SHEET NO. LS-19

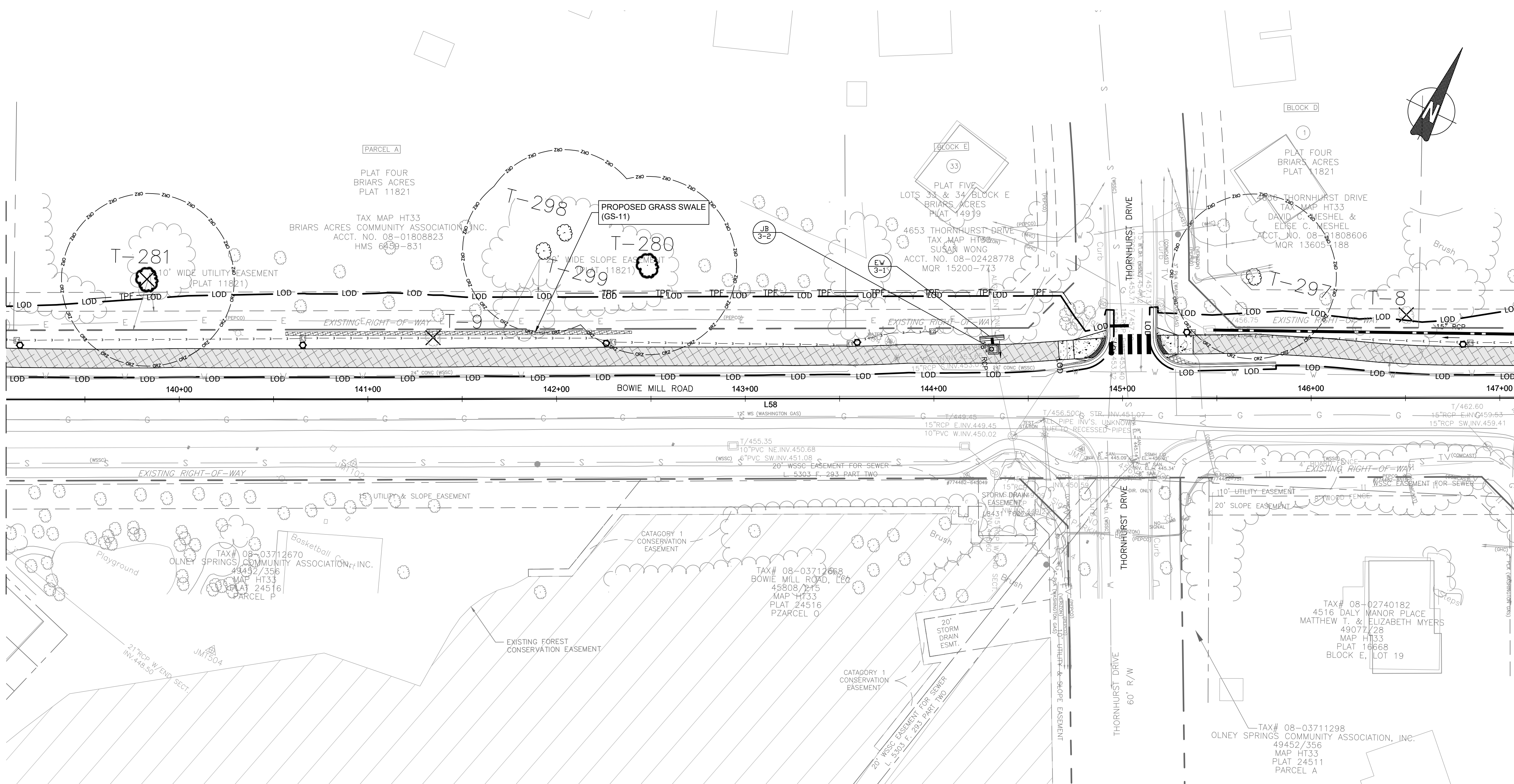
- NOTES:
1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
 2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
 3. INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
 4. UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 5. REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
 6. REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
 7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
—	PROPOSED RETAINING WALL		PROPOSED UTILITY POLE
— O —	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN NOT FOR CONSTRUCTION								MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-18 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY							
								RECOMMENDED FOR APPROVAL											
								Chief, Design Section _____ Date _____				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APM0039XX</u>							
								APPROVED											
								Chief, Division of Transportation Engineering _____ Date _____				SCALE: 1"=30'							
												DATE: APRIL 2025							
								Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>				Project No. : <u>502108</u>							
NO.				REVISION				DATE				BY				Sheet <u>306</u> of <u>393</u>			

MATCHLINE - SEE SHEET NO. LS-18



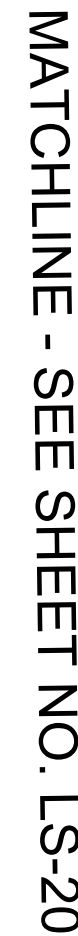
MATCHLINE - SEE SHEET NO. LS-20

- NOTES:
- REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
 - CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
 - INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
 - UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 - REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
 - REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
 - REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
— LOG —	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
— PM —	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
— RW —	PROPOSED RETAINING WALL		PROPOSED UTILITY POLE
— LP —	PROPOSED LIGHT POLE		

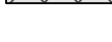
NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN NOT FOR CONSTRUCTION				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND			
				RECOMMENDED FOR APPROVAL			
				Chief, Design Section	APPROVED	Date	
				Chief, Division of Transportation Engineering	APPROVED	Date	
				Designed by: <u>SJR</u>	Drawn by: <u>SJR</u>	Checked by: <u>JJR</u>	
NO.				PROJECT NO. : <u>502108</u>			
REVISION				DATE			
DATE				DATE: APRIL 2025			
BY				Sheet <u>307</u> of <u>393</u>			



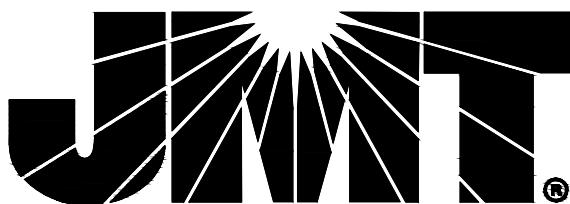
MATCHLINE - SEE SHEET NO. LS-22

1. REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
3. INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
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 - 20% ANNUAL RYE
 - MULCH
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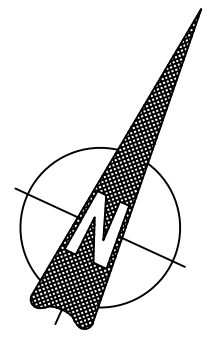
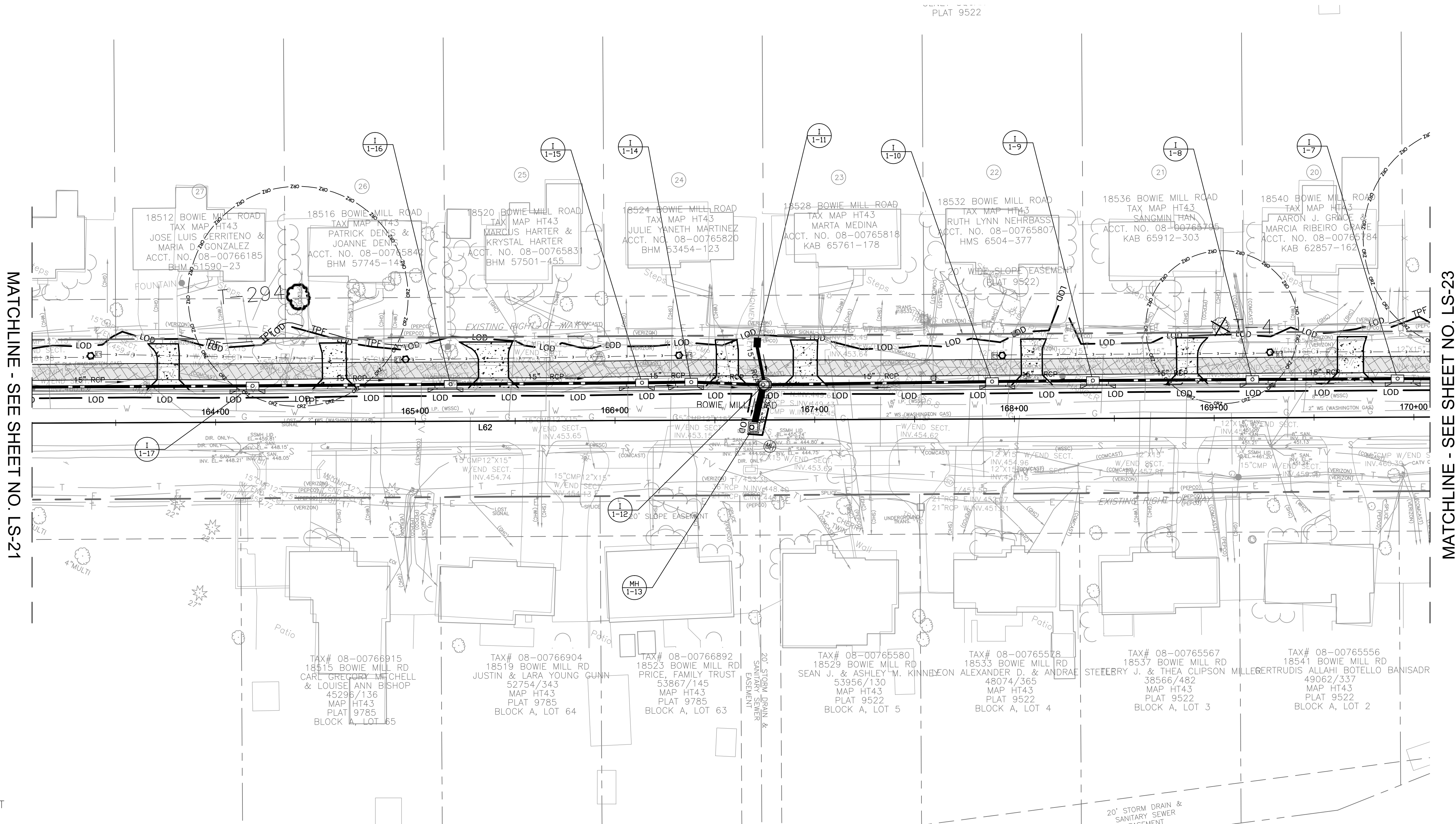
LEGEND		
— LOD —	LIMIT OF DISTURBANCE	 PROPOSED ASPHALT PATH/TRAIL-IMPERIOUS
— — —	LIMIT OF GRADING	 PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
————	PROPOSED PAVEMENT MARKINGS	 PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE	 PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT	 PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT	 PROPOSED CONCRETE SIDEWALK
	PROPOSED RETAINING WALL	 PROPOSED LIGHT POLE
—○—	PROPOSED UTILITY POLE	

NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN
NOT FOR CONSTRUCTION



					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	LS-21 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY	
					RECOMMENDED FOR APPROVAL	M-NCPPC PERMIT NO. <u>MR2023016</u>	SHA TRACKING NO. <u>24APMO039XX</u>
					Chief, Design Section _____ Date _____ APPROVED	 SCALE: 1"=30'	
					Chief, Division of Transportation Engineering _____ Date _____		DATe: APRIL 2025
NO.	REVISION	DATE	BY		Designed by: <u>SJR</u> Drawn by: <u>SJR</u> Checked by: <u>JJR</u>	Project No.: <u>502108</u>	Sheet <u>309</u> of <u>393</u>



- NOTES:
- REFER TO SIGNING AND STRIPING PLAN FOR PAVEMENT MARKING DETAILS.
 - CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
 - INSTALL TREE DEER PROTECTION DEVICES AS PER DETAIL.
 - UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH:
 - 4" OF TOPSOIL
 - TURFGRASS SEED MIX
 - 20% VIRGINIA WILD RYE
 - 20% RIPARIAN WILD RYE
 - 20% DEER TONGUE
 - 20% CREEPING RED FESCUE
 - 20% ANNUAL RYE
 - MULCH
 - REFER TO PLAN SHEET LS-24 FOR SPECIFIC NOTES PERTAINING TO TREE PRESERVATION, INSPECTIONS, AND TREE CANOPY INFORMATION.
 - REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
 - REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
— LOD —	LIMIT OF DISTURBANCE		PROPOSED ASPHALT PATH/TRAIL-IMPERVIOUS
- - -	LIMIT OF GRADING		PROPOSED ASPHALT PATH/TRAIL - PERVIOUS
—	PROPOSED PAVEMENT MARKINGS		PROPOSED DRIVEWAY ASPHALT PAVEMENT
— TPF —	TREE PROTECTION FENCE		PROPOSED PAVEMENT REMOVAL
— TCE —	TEMPORARY CONSTRUCTION EASEMENT		PROPOSED RIP-RAP SLOPE STABILIZATION
— PE —	PERPETUAL EASEMENT		PROPOSED CONCRETE SIDEWALK
—	PROPOSED RETAINING WALL		PROPOSED UTILITY POLE
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NO LANDSCAPE PLANTINGS THIS SHEET

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NOTES:

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2. CONTRACTOR SHALL FIELD ADJUST GRADING TO PROVIDE SMOOTH TRANSITIONS INTO EXISTING FEATURES AND PROMOTE SHEET FLOW WHERE POSSIBLE. ALL GRADING CHANGES TO BE PRE-APPROVED BY COUNTY INSPECTOR.
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6. REFER TO PLAN SHEET LS-25 FOR TREE PLANTING DETAIL.
7. REFER TO TREE SAVE PLANS FOR EXISTING TREE INFORMATION.

LEGEND			
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	PROPOSED RETAINING WALL		PROPOSED UTILITY POLE
	PROPOSED UTILITY POLE		PROPOSED LIGHT POLE

FILE NAME: C:\pwworking\jmt\0842085pLS-BowieMillRoad.dwg LAYOUT NAME: LS-23 PLOTTED: Monday, April 07, 2025 - 4:02pm USER: AHavener



NO LANDSCAPE PLANTINGS THIS SHEET

90% DESIGN NOT FOR CONSTRUCTION				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				LS-23 LANDSCAPE PLAN BOWIE MILL ROAD BIKEWAY	
				RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u>	
				Chief, Design Section APPROVED				0 30' 60'	DATE: APRIL 2025
				Chief, Division of Transportation Engineering				SCALE: 1"=30'	Sheet <u>311</u> of <u>393</u>
NO.	REVISION	DATE	BY	Designed by: <u>SJR</u>	Drawn by: <u>SJR</u>	Checked by: <u>JJR</u>	Project No. : <u>502108</u>		

TREE PRESERVATION NOTES

1. ALL WORK PERFORMED SHALL MEET OR EXCEED INDUSTRY STANDARDS AS MOST RECENTLY PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), OR THE TREE CARE INDUSTRY ASSOCIATION (TCIA). IN THE EVENT TREATMENTS PRESCRIBED ARE NOT COVERED BY AN EXISTING STANDARD, WORK SHALL MEET OR EXCEED STANDARDS APPROVED BY THE COUNTY ARBORIST.
2. TREES DESIGNATED FOR REMOVAL ALONG THE LIMITS OF DISTURBANCE SHALL BE REMOVED USING A CHAINSAW TO AVOID DAMAGE TO SURROUNDING TREES TO BE PRESERVED AND UNDERSTORY VEGETATION. IF A STUMP MUST BE REMOVED, THIS SHALL BE DONE ONLY WITH THE APPROVAL OF THE COUNTY ARBORIST USING A STUMP-GRINDING MACHINE IN A MANNER THAT CAUSES AS LITTLE DISTURBANCE AS POSSIBLE TO ADJACENT TREES, VEGETATION AND SOIL CONDITIONS.
3. ROOT PRUNING SHALL BE PERFORMED, AS NEEDED, TO COMPLY WITH THE FOREST CONSERVATION REQUIREMENTS OF THESE DEVELOPMENT CONDITIONS. ALL TREATMENTS SHALL BE CLEARLY IDENTIFIED, LABELED, AND DETAILED ON THE TREE PRESERVATION AND LANDSCAPE SHEETS OF THE PLAN SUBMISSION. THE DETAILS FOR THESE TREATMENTS SHALL BE REVIEWED AND APPROVED BY THE COUNTY ARBORIST, ACCOMPLISHED IN A MANNER THAT PROTECTS AFFECTED AND ADJACENT VEGETATION TO BE PRESERVED. ROOT PRUNING DETAILS MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: (1) ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY PLOW TO A DEPTH OF 18 INCHES; (2) ROOT PRUNING SHALL TAKE PLACE PRIOR TO ANY CLEARING AND GRADING AND/OR INSTALLATION OF SUPER SILT FENCE, DIVERSION FENCE OR TREE PROTECTION FENCE; (3) ROOT PRUNING SHALL BE CONDUCTED WITH THE SUPERVISION OF THE COUNTY ARBORIST; AND (4) THE COUNTY ARBORIST SHALL BE INFORMED WHEN ALL ROOT PRUNING AND TREE PROTECTION FENCE INSTALLATION IS COMPLETE.
4. IMMEDIATELY AFTER THE E&S ACTIVITIES ARE COMPLETE, TREES INDICATED FOR MULCHING IN THE TREE INVENTORY SHALL BE MULCHED TO PROTECT THE ROOTS AND RETAIN MOISTURE. HARDWOOD CHIPS OR SHREDDED MULCH SHALL BE APPLIED AT A MAXIMUM DEPTH OF 4 INCHES AROUND THESE SPECIFIC TREES AND ONLY WITHIN 10 FEET OF THE LIMITS OF DISTURBANCE. ADDITIONAL AREAS MAY BE MULCHED AS PART OF THE INVASIVE SPECIES MANAGEMENT, SEE INVASIVE SPECIES MANAGEMENT NOTES, THIS SHEET.
5. ALL CONSTRUCTION ACTIVITY BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THE PLAN SHALL BE PROHIBITED UNLESS PREVIOUSLY APPROVED. THE STORAGE OF EQUIPMENT, MATERIALS, CHEMICALS, AND DEBRIS AS WELL AS VEHICULAR TRAFFIC OR THE PARKING OF VEHICLES SHALL NOT BE PERMITTED WITHIN TREE PRESERVATION AREAS.
6. THE SERVICES OF THE PROJECT SURVEYOR SHALL BE RETAINED TO HAVE THE LIMITS OF CLEARING AND GRADING IN THE AREAS OF TREE PRESERVATION MARKED WITH A CONTINUOUS LINE OF FLAGGING PRIOR TO THE

- WALK-THROUGH MEETING TO BE HELD PRIOR TO ANY CLEARING AND GRADING. DURING THE TREE PRESERVATION WALK-THROUGH MEETING, THE COUNTY ARBORIST SHALL WALK SUCH LIMITS OF CLEARING AND GRADING WITH INSPECTORS TO DETERMINE WHERE ADJUSTMENTS TO THE CLEARING LIMITS CAN BE MADE TO INCREASE THE AREA OF TREE PRESERVATION AND/OR TO INCREASE THE SURVIVABILITY OF TREES AT THE EDGE OF THE LIMITS OF CLEARING AND GRADING. SUCH ADJUSTMENT SHALL BE IMPLEMENTED; PROVIDED, HOWEVER, THAT NO ADJUSTMENT SHALL BE REQUIRED THAT WOULD AFFECT THE LOCATION AND/OR DESIGN OF THE DEVELOPMENT, INCLUDING A REQUIREMENT FOR ADDITIONAL RETAINING WALLS. TREES WITHIN THE PRESERVATION AREAS THAT ARE IDENTIFIED SPECIFICALLY BY THE COUNTY ARBORIST IN WRITING AS DEAD OR DYING MAY BE REMOVED AS PART OF THE CLEARING OPERATION. ANY TREE THAT IS SO DESIGNATED SHALL BE REMOVED USING A CHAIN SAW AND SUCH REMOVAL SHALL BE ACCOMPLISHED IN A MANNER THAT AVOIDS DAMAGE TO SURROUNDING TREES AND ASSOCIATED UNDERSTORY VEGETATION. IF A STUMP MUST BE REMOVED, THIS SHALL BE DONE USING A STUMP-GRINDING MACHINE IN A MANNER CAUSING AS LITTLE DISTURBANCE AS POSSIBLE TO ADJACENT TREES AND ASSOCIATED UNDERSTORY VEGETATION AND SOIL CONDITIONS.
7. THE LIMITS OF CLEARING AND GRADING SHALL BE STRICTLY CONFORMED TO, AS SHOWN ON THE PLAN, SUBJECT TO ALLOWANCES SPECIFIED IN THESE DEVELOPMENT CONDITIONS AND FOR THE INSTALLATION OF FENCES AND/OR UTILITIES AS DETERMINED NECESSARY BY THE COUNTY ARBORIST. IF IT IS DETERMINED NECESSARY TO INSTALL FENCES AND/OR UTILITIES IN AREAS PROTECTED BY THE LIMITS OF CLEARING AND GRADING AS SHOWN ON THE PLAN, THEY SHALL BE LOCATED IN THE LEAST DISRUPTIVE MANNER NECESSARY AS DETERMINED BY THE COUNTY ARBORIST.
8. DURING ANY CLEARING OR TREE/VEGETATION REMOVAL IN THE AREAS ADJACENT TO THE TREE PRESERVATION AREAS, THE COUNTY ARBORIST SHALL BE PRESENT TO MONITOR THE PROCESS AND ENSURE THAT THE ACTIVITIES ARE CONDUCTED AS CONDITIONED. MONITORING VISITS SHALL BE CONDUCTED WEEKLY DURING E&S INSTALLATION (CLEARING AND GRADING) CONSTRUCTION AND MONTHLY THEREAFTER UNTIL PROJECT COMPLETION.
9. ALL TREES SHOWN TO BE PRESERVED ON THE FOREST CONSERVATION PLAN SHALL BE PROTECTED BY TREE PROTECTION FENCE. TREE PROTECTION FENCING OR SUPER SILT FENCING SHALL BE ERECTED AT THE LIMITS OF CLEARING AND GRADING ADJACENT TO THE TREE PRESERVATION AREAS AS SHOWN ON THE PLANS, AS MAY BE MODIFIED BY THE DEVELOPMENT CONDITIONS BELOW. SUPER SILT FENCE ADJACENT TO MAJOR ROOTS OF TREES MAY BE NOTCHED, AS APPROVED, BY THE DPS INSPECTOR IN THE FIELD. ALL TREE PROTECTION FENCING SHALL BE INSTALLED AFTER THE TREE PRESERVATION WALK-THROUGH MEETING BUT PRIOR TO ANY CLEARING AND GRADING ACTIVITIES. THE INSTALLATION OF ALL TREE PROTECTION FENCING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE COUNTY ARBORIST, AND ACCOMPLISHED IN A MANNER THAT DOES NOT HARM EXISTING VEGETATION THAT IS TO BE PRESERVED.
10. SIGNS STATING "TREE PRESERVATION AREA" SHALL BE AFFIXED TO THE TREE PRESERVATION FENCE AT LEAST EVERY 30 FEET. SIGNS SHALL INCLUDE BOTH ENGLISH AND SPANISH AS SHOWN ON DETAIL.

STANDARD TREE CANOPY NOTES

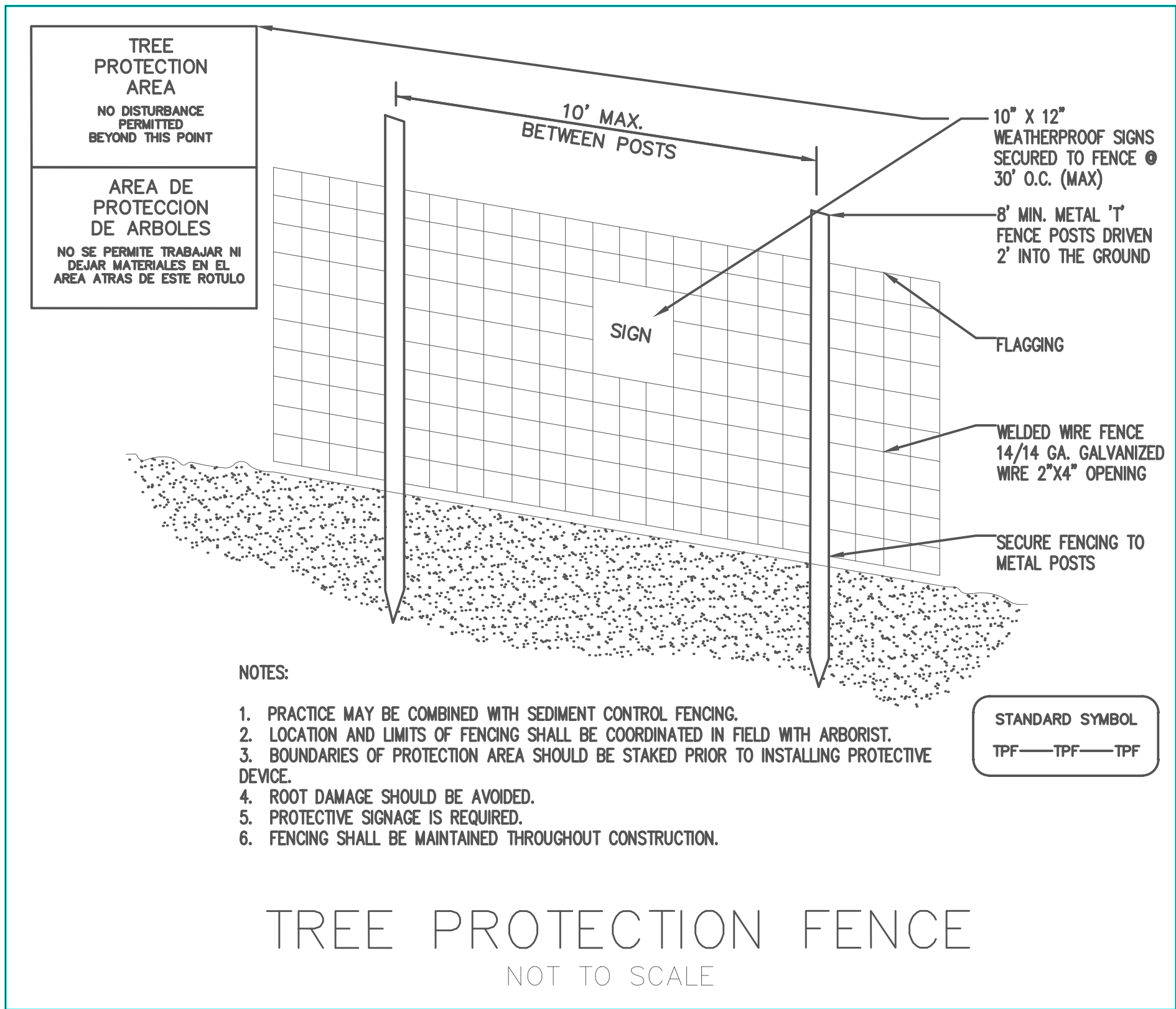
- ANY SHADE TREE PLANTED TO COMPLY WITH CHAPTER 55 OF THE COUNTY CODE MUST CONFORM TO THE FOLLOWING:
- EACH SHADE TREE MUST MEET THE REQUIREMENTS FOR PLANT MATERIAL IN ANSI Z60.1;
 - EACH SHADE TREE MUST BE A MINIMUM OF 2” CALIPER;
 - INSTALLATION OF EACH SHADE TREE MUST MEET ALL REQUIREMENTS OF ANSI A300;
 - AT THE TIME OF PLANTING:
 - TREE GUARDS TO PROTECT TREES FROM DEER RUBBING, MOWERS, WEED EATERS, OTHER EQUIPMENT AND LARGE RODENTS MUST BE INSTALLED ON ALL SHADE TREES;
 - MULCH MUST BE APPLIED;
 - SUFFICIENT WATER MUST BE APPLIED TO AID IN PROPER PLANTING.
 - SHADE TREES MUST BE INSTALLED BETWEEN OCTOBER 15TH AND MAY 15TH AS LONG AS THE GROUND IS NOT FROZEN, SATURATED, OR COVERED WITH SNOW SUCH THAT A SUITABLE HOLE CANNOT BE DUG.
 - SHADE TREES MUST NOT BE INSTALLED BETWEEN MAY 16TH AND OCTOBER 14TH OF EACH YEAR. IF INSTALLATION CANNOT OCCUR BETWEEN OCTOBER 15TH AND MAY 15TH FOR ANY REASON, OR IF PROPOSED TREES ARE NOT PLANTED FOR ANY OTHER REASON, THE PERMITTEE MUST PAY THE REQUIRED FEE IN LIEU.
 - IF SHADE TREES ARE INSTALLED PRIOR TO FINAL STABILIZATION OF THE LAND DISTURBING ACTIVITY THEN NO ADDITIONAL DISTURBANCE MUST OCCUR WITHIN FIVE FEET OF THE STEM OF THE TREE. PROTECTIVE FENCING MUST BE INSTALLED AT THE EDGE OF THIS AREA AT THE SAME TIME THE TREE IS INSTALLED AND MUST REMAIN IN PLACE UNTIL FINAL STABILIZATION OCCURS.
 - THE LOCATION OF GROWING ZONES AND PLANTING AREAS MUST BE CLEARLY MARKED IN THE FIELD PRIOR TO INSTALLATION OF ANY SHADE TREE.
 - A COPY OF THE APPROVED SEDIMENT CONTROL PLAN SHOWING ALL APPROVED GROWING ZONES AND PLANTING AREAS MUST BE AVAILABLE ON THE SITE AT ALL TIMES.
 - AT LEAST ONE INSPECTION MUST OCCUR AFTER ALL CONSTRUCTION ACTIVITIES ARE COMPLETED TO DETERMINE THE LEVEL OF COMPLIANCE WITH SHADE TREE PLANTING REQUIREMENTS.

INSPECTIONS NOTES

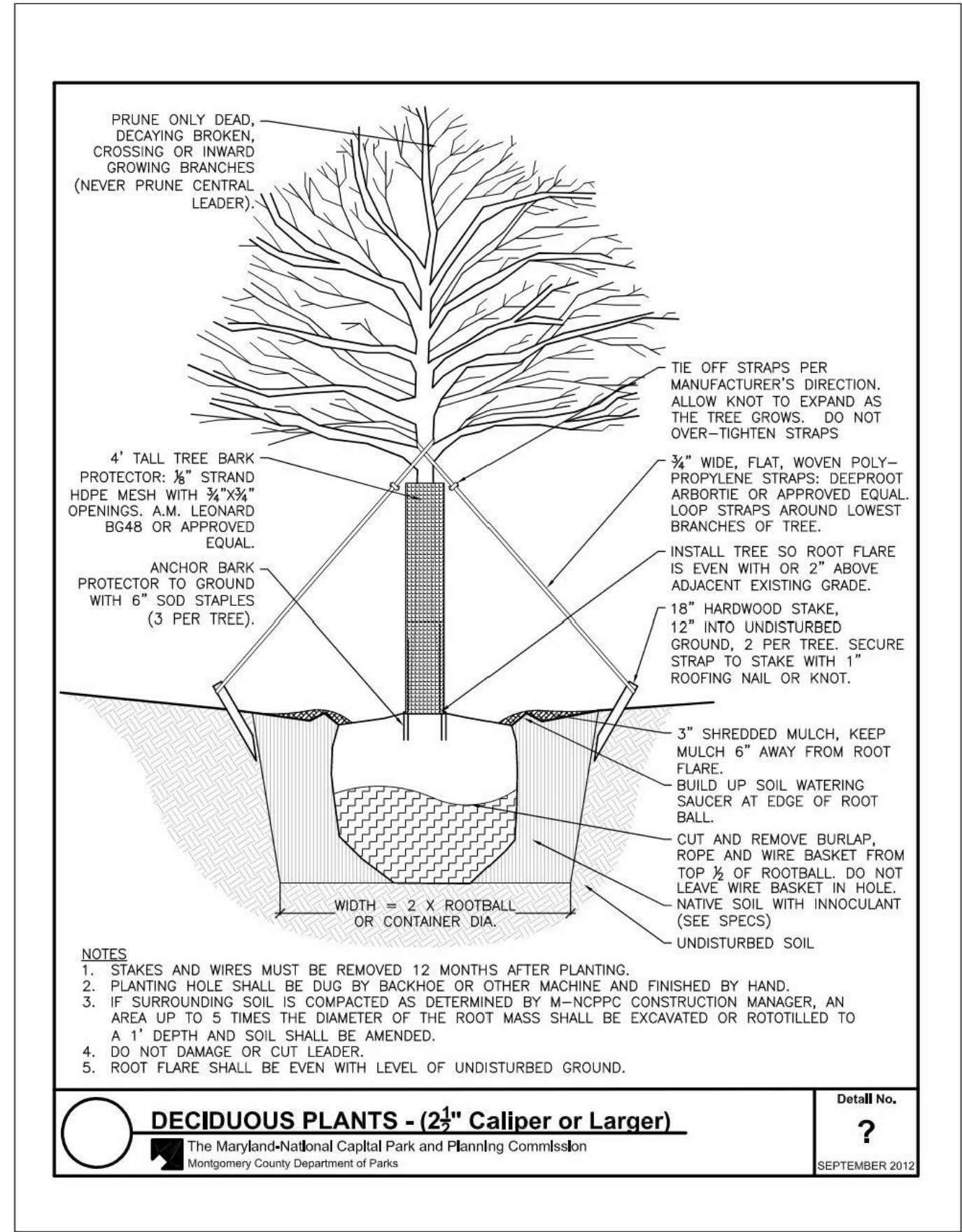
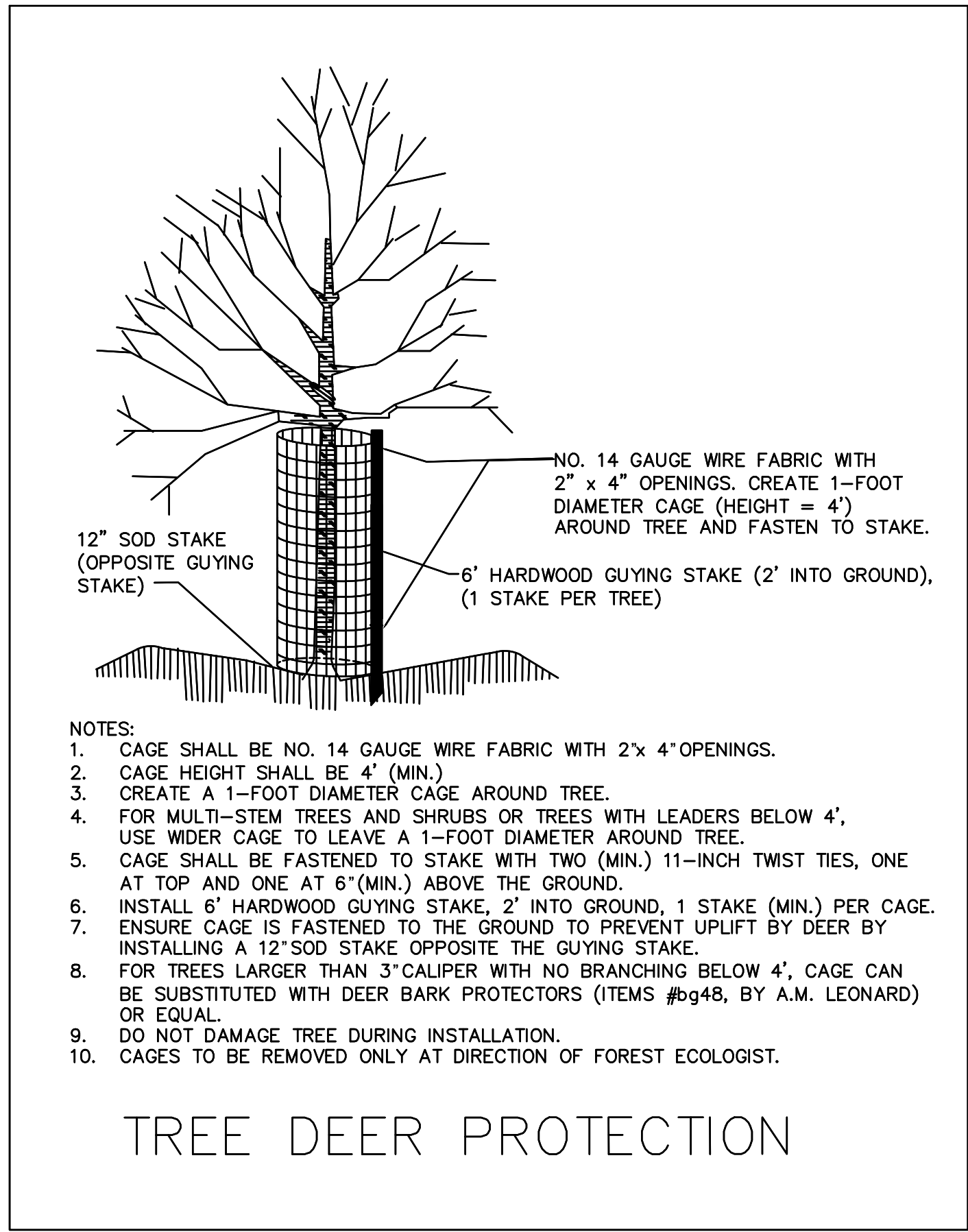
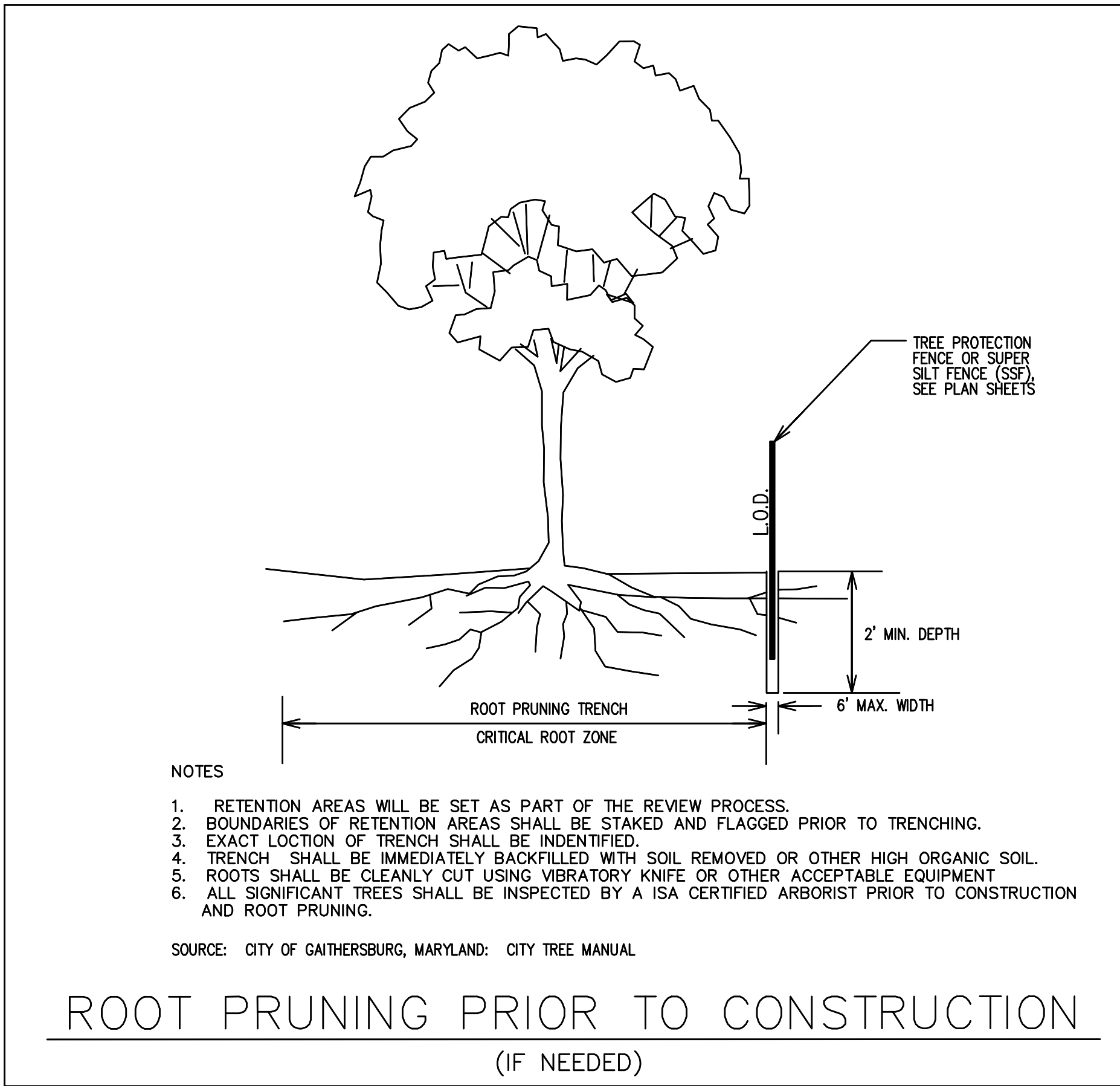
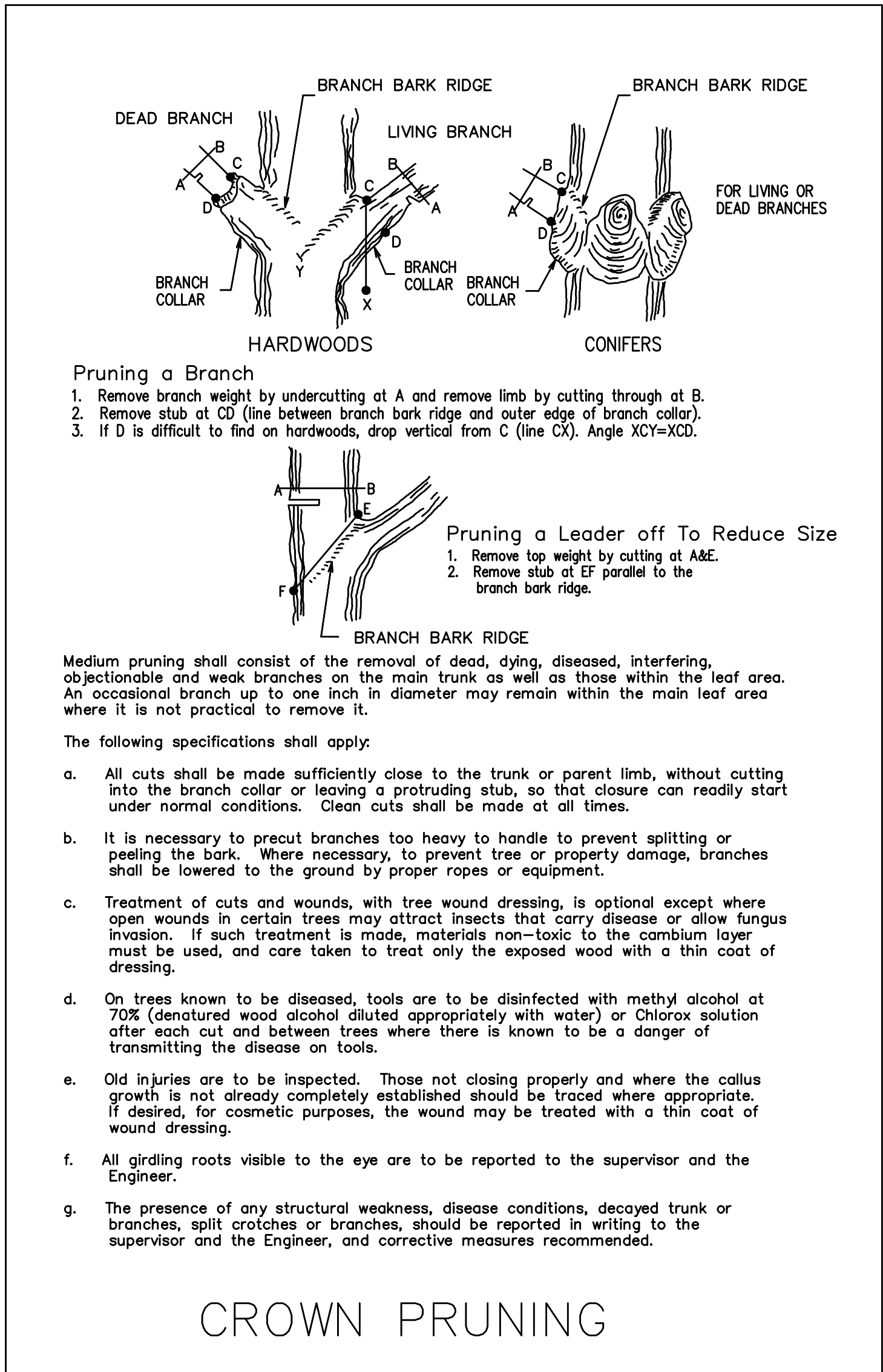
- ALL FIELD INSPECTIONS MUST BE REQUESTED BY THE APPLICANT. INSPECTIONS MUST BE CONDUCTED AS FOLLOWS:
 - AFTER THE LIMITS OF DISTURBANCE HAVE BEEN STAKED AND FLAGGED, BUT BEFORE ANY CLEARING OR GRADING BEGINS
 - AFTER NECESSARY STRESS REDUCTION MEASURES HAVE BEEN COMPLETED AND PROTECTION MEASURES HAVE BEEN INSTALLED, BUT BEFORE ANY CLEARING AND GRADING BEGIN
 - AFTER COMPLETION OF ALL CONSTRUCTION ACTIVITIES, BUT BEFORE REMOVAL OF TREE PROTECTION FENCING, TO DETERMINE THE LEVEL OF COMPLIANCE WITH THE PROVISION OF THE FOREST CONSERVATION.

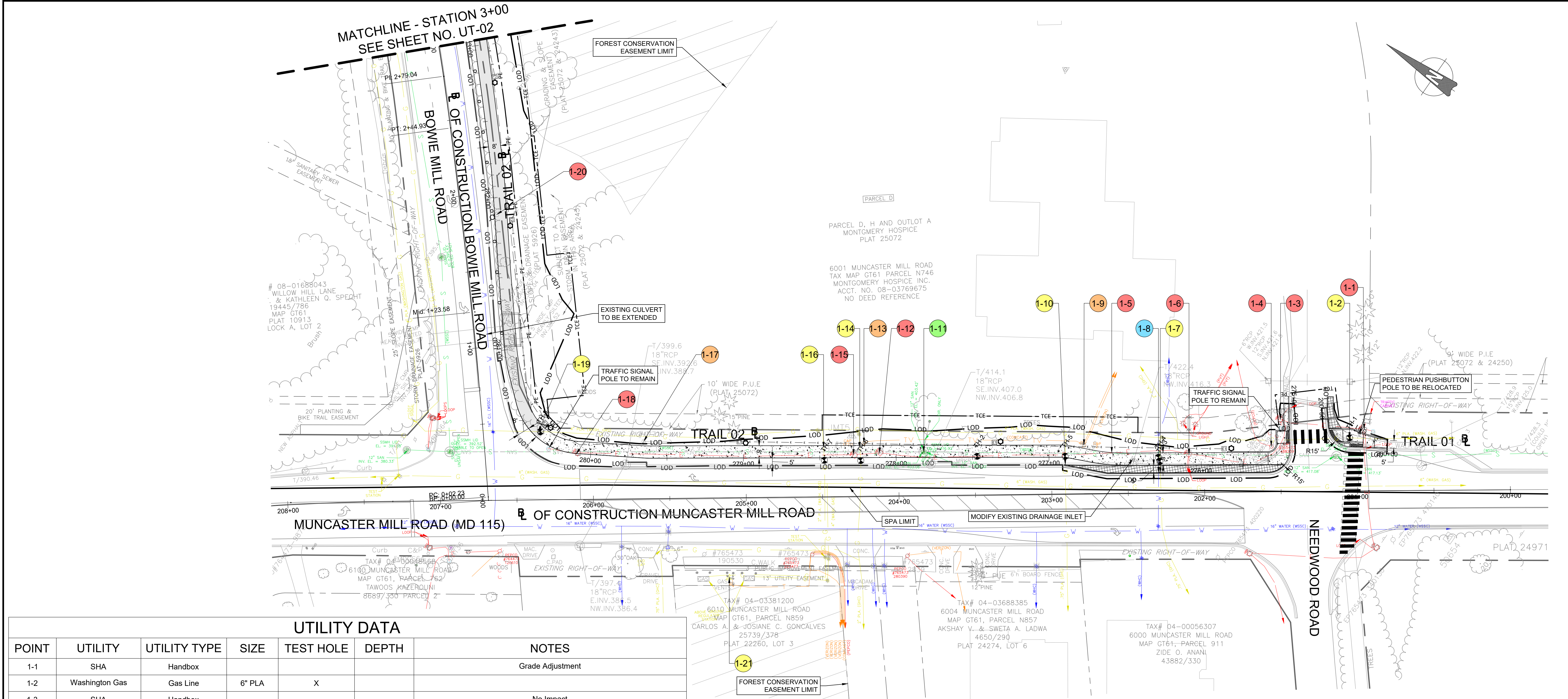
7.1 STANDARD NOTES FOR MDOT SHA RIGHT-OF-WAY

7.1 SHA LANDSCAPE NOTES. LANDSCAPE CONSTRUCTION WITHIN SHA PROPERTY, INCLUDING RIGHT-OF-WAYS, EASEMENT AREAS AND LANDS TO BE CONVEYED TO SHA SHALL CONFORM TO THESE NOTES. FOR GUIDANCE REGARDING DESIGN MODIFICATIONS DURING CONSTRUCTION, REFER TO SHA LANDSCAPE DESIGN GUIDE, SHA LANDSCAPE ESTIMATING MANUAL, AND SHA ENVIRONMENTAL GUIDE FOR DISTRICT, ACCESS, AND UTILITY PERMIT APPLICANTS AT HTTPS://ROADS.MARYLAND.GOV/MDOTSHA/PAGES/INDEX.ASPX?PAGEID=25. 7.2 SHA STANDARD SPECIFICATIONS. LANDSCAPE CONSTRUCTION SHALL CONFORM TO CATEGORY 700 – LANDSCAPING, AND LANDSCAPE MATERIALS SHALL CONFORM TO SECTION 920, OF THE MOST RECENT REVISION OF SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, INCLUDING ALL REVISIONS AND SUPPLEMENTS, AND AS SPECIFIED IN THESE NOTES. THE REQUIREMENTS OF SHA SPECIFICATIONS SHALL SUPERSEDE ALL OTHER SPECIFICATIONS FOR WORK ON SHA PROPERTY OR PROPERTY TO BE CONVEYED TO SHA EXCEPT AS SPECIFICALLY INDICATED IN THE PLANS. REFER TO HTTPS://ROADS.MARYLAND.GOV/MDOTSHA/PAGES/SSCM.ASPX?PAGEID=853&LID=SSP. 7.3 EROSION AND SEDIMENT CONTROL MANAGER (ESCM). SOIL DISTURBANCE SUCH AS GRADING, EXCAVATION, SOIL PLACEMENT OR OTHER ACTIVITIES THAT INVOLVE SOIL DISTURBANCE SHALL BE SUPERVISED BY AN ESCM MANAGER WITH A VALID “SHA YELLOW CARD” IN CONFORMANCE WITH SHA STANDARD SPECIFICATIONS AND ANY APPLICABLE EROSION AND SEDIMENT CONTROL PERMIT. 7.4 SHA STANDARD DETAILS FOR TREES, SHRUBS AND PLANTING BEDS. THERE ARE NO PROPOSED LANDSCAPE PLANTINGS WITHING MDOT SHA RIGHT-OF-WAY. 7.5 TEMPORARY STABILIZATION SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 704 TO ENSURE THAT AREAS OF SOIL DISTURBANCE ARE PROTECTED FROM WIND, RAINFALL AND FLOWING WATER UNTIL PERMANENT STABILIZATION IS INSTALLED. 1. TEMPORARY MULCH, EITHER AS TEMPORARY STRAW MULCH OR TEMPORARY MATTING MULCH, SHALL BE INSTALLED AT THE END OF EACH WORKING DAY TO PROVIDE “SAME DAY STABILIZATION” UNLESS OTHER APPROVED STABILIZATION IS INSTALLED. 2. TEMPORARY STRAW MULCH SHALL BE INSTALLED ON AREAS AND SLOPES FLATTER THAN 4:1; TEMPORARY MATTING MULCH SHALL BE APPLIED ON SLOPES 4:1 AND STEEPER, AND TO AREAS WITHIN CHANNELS. 7.7 EXCAVATION AND DEBRIS REMOVAL. DEBRIS RELATED TO THE DEMOLITION OF SIDEWALKS, DRIVEWAYS, CURBS, TREES, STUMPS, ROOTS, FENCING, PIPES, AND OTHER MATERIALS THAT MAY INTERFERE WITH LANDSCAPE INSTALLATION OR FUTURE MAINTENANCE SHALL BE EXCAVATED AS NECESSARY FOR THEIR COMPLETE REMOVAL AND DISPOSAL. 7.8 SOIL RESTORATION. AREAS OF PAVEMENT REMOVAL, EXCAVATION OR DRILLING IN LANDSCAPED AREAS SHALL REMOVE EXCAVATED DEBRIS AND RESTORE TOPSOIL PLACED IN CONFORMANCE WITH SECTION 701 OF THE SHA STANDARD SPECIFICATIONS. 1. A LAYER OF APPROVED TOPSOIL AT LEAST 4-INCH DEPTH SHALL BE PLACED ON ALL DISTURBED AREAS FLATTER THAN 2:1 AND IN ALL CHANNELS BEFORE SEEDING, SODDING OR OTHER LANDSCAPING, UNLESS OTHERWISE SPECIFIED ON THE PLANS AS WHEN REQUIRED FOR PAVEMENT REMOVAL AND RESTORATION. 2. A LAYER OF APPROVED TOPSOIL AT LEAST 2-INCH DEPTH SHALL BE PLACED ON ALL DISTURBED AREAS 2:1 AND STEEPER BEFORE SEEDING, SODDING OR OTHER LANDSCAPING, UNLESS OTHERWISE SPECIFIED	7.9 TURFGRASS SOD ESTABLISHMENT. THERE ARE NO PROPOSED SODDED AREAS WITHIN MDOT SHA RIGHT-OF-WAY. 7.10 TURFGRASS ESTABLISHMENT SHALL BE PERFORMED IN ALL DISTURBED AREAS, OR WITHIN THE AREAS INDICATED IN THE PLANS, IN CONFORMANCE WITH SECTION 705 OF THE SHA STANDARD SPECIFICATIONS. THE REQUIRED APPLICATION RATE OF 20-16-12 FERTILIZER SHALL BE 200 POUNDS PER ACRE, OR SHALL BE EQUIVALENT FERTILIZER AND APPLICATION RATE AS SPECIFIED IN SECTION 705. NO FERTILIZER SHALL BE APPLIED FROM NOVEMBER 15 TO MARCH 1. 7.11 SOIL STABILIZATION MATTING SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 709 OF THE SHA STANDARD SPECIFICATIONS, IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT PER SECTION 705 OR MEADOW ESTABLISHMENT PER SECTION 707 AS FOLLOWS: 1. AREAS FLATTER THAN 6:1. TYPE A OR TYPE E MATTING MAY BE INSTALLED IN LIEU OF STRAW MULCH AND HYDROMULCH BINDER IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT. 2. AREAS STEEPER THAN 6:1 AND FLATTER THAN 4:1. TYPE A OR TYPE E MATTING SHALL BE INSTALLED IN LIEU OF STRAW MULCH AND HYDROMULCH BINDER IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT, UNLESS DELINEATED AND NOTED OTHERWISE. 3. CHANNELS, STORMWATER MANAGEMENT FACILITIES, AND SLOPES 4:1 AND STEEPER TYPE A SOIL STABILIZATION MATTING SHALL BE INSTALLED IN LIEU OF STRAW MULCH AND HYDROMULCH BINDER IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT, UNLESS DELINEATED AND NOTED OTHERWISE. 7.13 TREE PRESERVATION AREAS. TEMPORARY ORANGE CONSTRUCTION FENCE (TOCF) SHALL BE INSTALLED IN LOCATIONS DELINEATED ON THE PLANS AS TREE PRESERVATION AREAS (TPA) IN CONFORMANCE WITH SECTION 120 OF THE SHA STANDARD SPECIFICATION TO PROTECT EXISTING TREES AND OTHER VEGETATION DURING CONSTRUCTION. AREAS WITHIN TOCF SHALL BE PROTECTED FROM ALL PROHIBITED AND RESTRICTED ACTIVITIES, PER SECTION 120. 7.14 ROADSIDE TREE PERMIT. TREE REMOVAL, TREE INSTALLATION, TREE ROOT AND BRANCH PRUNING, AND OTHER REGULATED IMPACTS TO TREES IN THE SHA RIGHT-OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE ROADSIDE TREE INDIVIDUAL PERMIT (RTIP) ISSUED BY THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, OR THE APPROVED FOREST CONSERVATION PLAN (FCP) OF THE LOCAL AUTHORITY. 1. A COPY OF THE RTIP OR FCP SHALL BE SUBMITTED TO THE SHA LANDSCAPE PROGRAMS DIVISION BEFORE WORK IS PERFORMED, AND A COPY OF THE RTIP OR FCP SHALL BE REPRODUCED IN THE PLANS OR BE IN POSSESSION OF THE APPLICANT AT THE PROJECT SITE WHEN THE PERMITTED WORK IS PERFORMED. 2. A MARYLAND LICENSED TREE EXPERT SHALL PERFORM THE SPECIFIED TREE OPERATIONS IN CONFORMANCE WITH THE SHA STANDARD SPECIFICATIONS AND ANSI A300 STANDARDS FOR TREE CARE OPERATIONS. 7.15 TREES AND OTHER PLANT MATERIAL INSTALLATION. THERE ARE NO PROPOSED LANDSCAPE PLANTINGS WITHING MDOT SHA RIGHT-OF-WAY. 7.16 BRUSH REMOVAL SHALL BE PERFORMED IN CONFORMANCE WITH OPERATION 2 - BRUSH REMOVAL WITH STUMP TREATMENT OF SECTION 713. DEBRIS SHALL BE REMOVED, OR CHIPPED AND DISTRIBUTED ON SHA PROPERTY TO A MAXIMUM DEPTH OF 1 INCH WITHIN BRUSH REMOVAL AREAS, OR IN MEADOW OR FOREST AREAS.	7.17 TREE FELLING IN TURFGRASS AREAS SHALL BE PERFORMED IN CONFORMANCE WITH OPERATION 1 - FELLING AND STUMP REMOVAL OF SECTION 714. ALL DEBRIS SHALL BE REMOVED FROM SHA PROPERTY. 7.19 TREE FELLING IN NATURAL AREAS. THERE ARE NO TREE FELLING OPERATIONS PROPOSED IN NATURAL AREAS OF MDOT SHA RIGHT-OF-WAY. 7.20 STUMP REMOVAL IN TURFGRASS OR MEADOW AREAS SHALL BE PERFORMED IN CONFORMANCE WITH OPERATION 5 - STUMP REMOVAL OF SECTION 714. 7.21 TREE BRANCH PRUNING SHALL BE PERFORMED OR DIRECTLY SUPERVISED BY A MARYLAND LICENSED TREE EXPERT IN CONFORMANCE WITH ANSI A300 STANDARDS PER SECTION 712 AS NECESSARY FOR ANY OF THE FOLLOWING: TO INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE (TOCF) ALONG DELINEATIONS ON PLANS; TO PERFORM TREE ROOT PRUNING ALONG DELINEATIONS ON PLANS; TO PROVIDE 8-FOOT CLEARANCE ABOVE SIDEWALK PAVEMENTS AND 16-FOOT CLEARANCE ABOVE ROADWAY PAVEMENTS; TO REPAIR TREE WOUNDS; AND TO PERFORM OTHER RECOMMENDED CLEANING, THINNING, REDUCING, AND PRUNING NECESSARY TO ACCOMMODATE UTILITIES. ALL DEBRIS SHALL BE REMOVED FROM SHA PROPERTY. 7.22 TREE ROOT PRUNING SHALL BE PERFORMED ALONG THE LINE SHOWN ON THE PLANS IN CONFORMANCE WITH SECTION 715. TREE ROOT PRUNING SHALL BE COMPLETED BEFORE BEGINNING EXCAVATION OR CONSTRUCTION ADJACENT TO TREES TO BE PRESERVED. 7.25 FUTURE MAINTENANCE. THERE ARE NO PROPOSED LANDSCAPE PLANTINGS WITHING MDOT SHA RIGHT-OF-WAY THAT WILL REQUIRE FUTURE MAINTENANCE.
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LANDSCAPE PLANT SCHEDULE TOTAL						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
<u>TREES</u>						
CC	15	CERCIS CANADENSIS 'FOREST PANSY'	'FOREST PANSY' EASTERN REDBUD	2.0" CAL.	B&B	20' O.C., AS SHOWN
CV	21	CRATAEGUS VIRIDIS 'WINTER KING'	'WINTER KING' GREEN HAWTHORN	2.0" CAL.	B&B	20' O.C., AS SHOWN
PO	22	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2.0" CAL.	B&B	50' O.C., AS SHOWN
QC	28	QUERCUS COCCINEA	SCARLET OAK	2.0" CAL.	B&B	50' O.C., AS SHOWN





UTILITY DATA

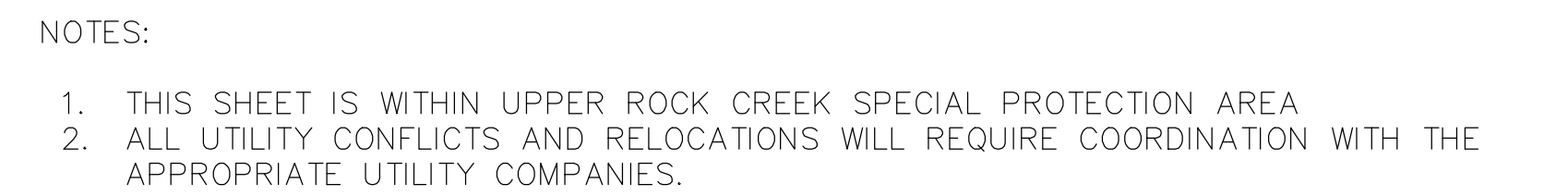
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
1-1	SHA	Handbox				Grade Adjustment
1-2	Washington Gas	Gas Line	6" PLA	X		
1-3	SHA	Handbox				No Impact
1-4	PEPCO	Pole				Brace during construction.
1-5	SHA	Electric Conduit		X		
1-6	SHA	Handbox				Grade adjustment
1-7	Washington Gas	GHC	0.75" PLA	X		
1-8	WSSC	WHC		X		
1-9	Verizon	Pole				No Impact
1-10	Washington Gas	GHC	0.75" PLA	X		
1-11	WSSC	Sewer MH	12"			
1-12	SHA	Handbox				Grade adjustment
1-13	Verizon	Pole				No Impact
1-14	Washington Gas	Gas Line	2" PLA	X		
1-15	SHA	Handbox				Grade adjustment
1-16	Washington Gas	Gas Line	2" PLA	X		
1-17	Verizon	Pole				No Impact
1-18	PEPCO	Handbox				Grade adjustment
1-19	Washington Gas	Gas Line	4" PLA	X		
1-20	PEPCO	Pole/ Guy				Relocate
1-21	Washington Gas	Regulator Station				

UTILITY TEST HOLES

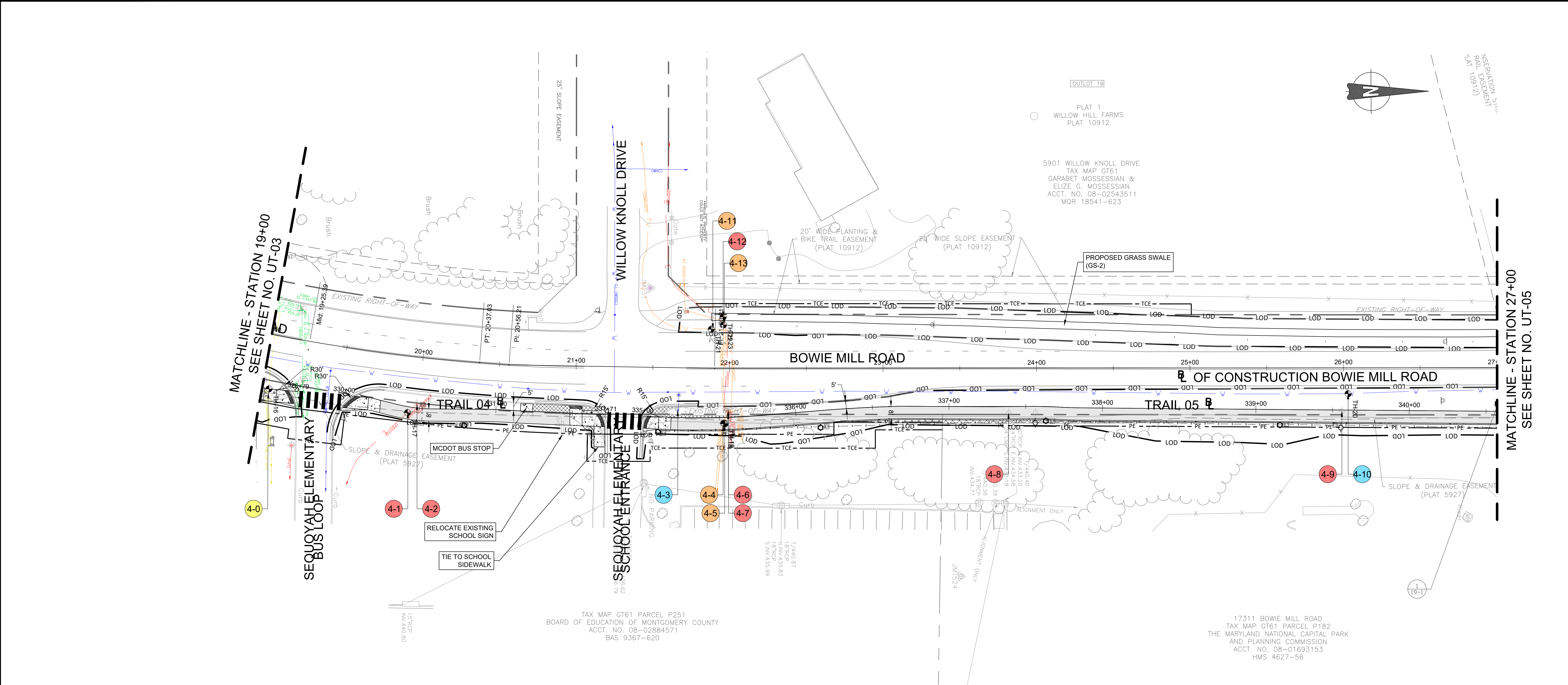
Point #	Description	Elevation	Northing	Easting
TH-1	GAS	0.000	533966.8198	1277914.5447
TH-2	SHA ELECTRIC	0.000	534158.9108	1277764.0833
TH-3	GAS	0.000	534059.3249	1277830.3355
TH-4	WATER	0.000	534061.6227	1277831.9540
TH-5	GAS	0.000	534111.8685	1277797.3316
TH-6	GAS	0.000	534219.5191	1277717.8744
TH-7	GAS	0.000	534239.0711	1277704.3285
TH-8	GAS	0.000	534401.6181	1277612.4144

NOTES:
1. THIS SHEET IS PARTIALLY WITHIN THE UPPER ROCK CREEK SPECIAL PROTECTION AREA

90% DESIGN NOT FOR CONSTRUCTION		MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		UT-01 UTILITY PLAN BOWIE MILL ROAD BIKEWAY				
		RECOMMENDED FOR APPROVAL		M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APMO039XX				
		Chief, Design Section APPROVED	Date	0 30' 60'				
		Chief, Division of Transportation Engineering	Date	SCALE: 1"=30' DATE: APRIL 2025				
NO.	REVISION	DATE	BY	Designed by: ADH	Drawn by: TMB	Checked by: JJR	Project No.: 502108	Sheet 314 of 393



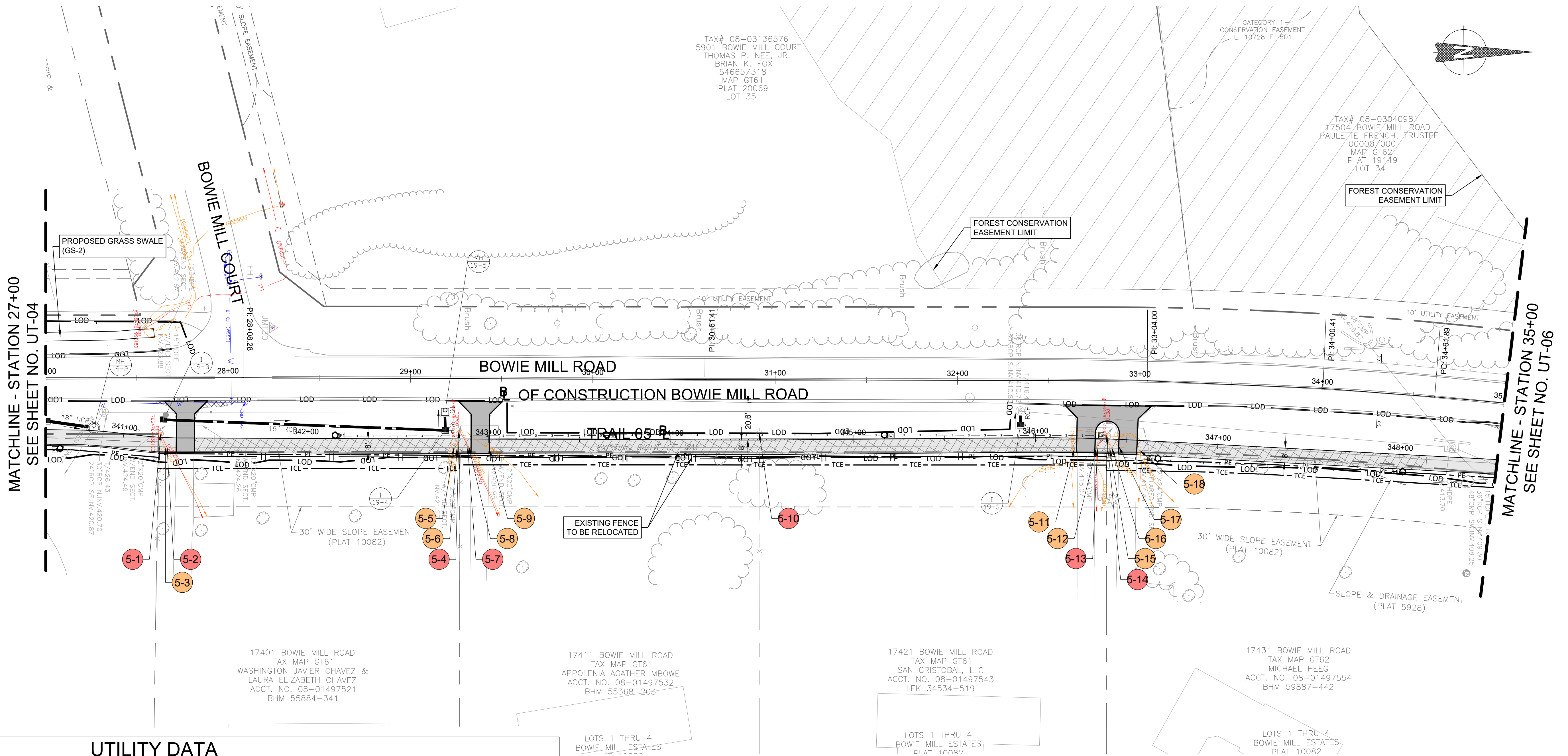
90% DESIGN NOT FOR CONSTRUCTION								MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND				UT-03 UTILITY PLAN BOWIE MILL ROAD BIKEWAY			
								RECOMMENDED FOR APPROVAL				M-NCPPC PERMIT NO. <u>MR2023016</u> SHA TRACKING NO. <u>24APMO039XX</u>			
								Chief, Design Section _____ Date _____ APPROVED				 SCALE: 1"=30'			



UTILITY DATA						
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
4-0	Washington Gas	Gas Line	2" STL	X		
4-1	PEPCO	Wire / Conduit		X		
4-2	PEPCO	Pole / Guy				Relocate Guys
4-3	WSSC	Hydrant				No Impact
4-4	Verizon	Wire / Conduit		X		
4-5	Comcast	Wire / Conduit		X		
4-6	PEPCO	Pole / Guys				Relocate Guys
4-7	PEPCO	Handbox				Grade Adjustment
4-8	PEPCO	Pole / Guy				Relocate
4-9	PEPCO	Pole				Relocate
4-10	WSSC	Water Line		X		
4-11	Comcast	Wire / Conduit		X		Relocate away from Grass Swale.
4-12	PEPCO	Wire / Conduit		X		Relocate away from Grass Swale
4-13	Verizon	Wire / Conduit		X		Relocate away from Grass Swale

UTILITY TEST HOLES				
Point #	Description	Elevation	Northing	Easting
TH-16	GAS	0.000	536057.6106	1278450.6967
TH-17	ELECTRIC	0.000	536147.7795	1278466.5708
TH-18	VERIZON	0.000	536353.8040	1278474.3594
TH-19	COMCAST	0.000	536354.6306	1278474.5407
TH-20	WATER	0.000	536760.8636	1278456.5284
TH-21	COMCAST	0.000	536345.9807	1278413.0073
TH-22	ELECTRIC	0.000	536353.7326	1278405.0393
TH-23	VERIZON	0.000	536353.9342	1278410.1562

- NOTES:
- THIS SHEET IS WITHIN UPPER ROCK CREEK SPECIAL PROTECTION AREA.
 - ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.
 - THE EXISTING SEQUOYAH ELEMENTARY SCHOOL SIGN WILL NEED TO BE RELOCATED.



UTILITY DATA

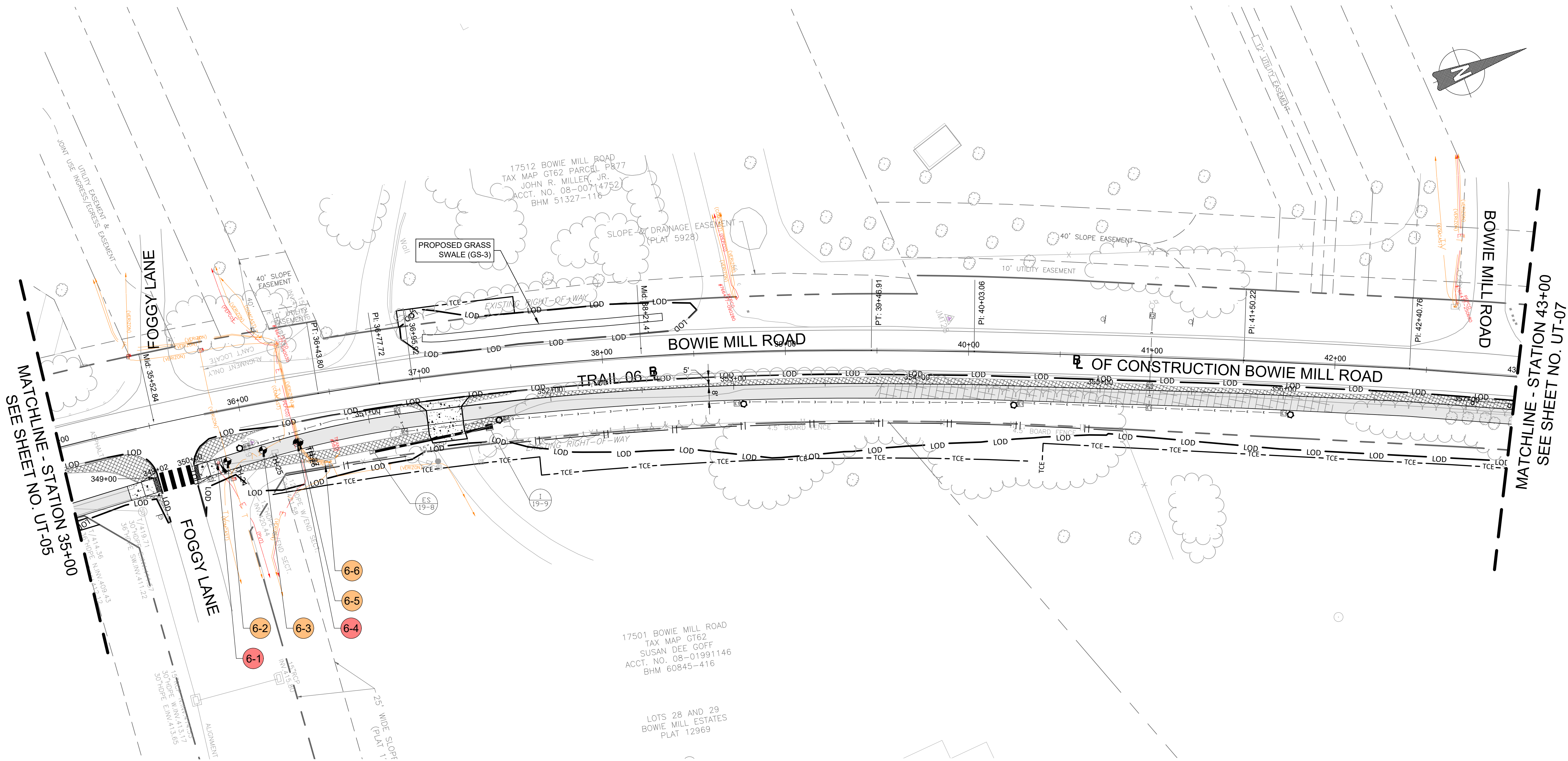
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
5-1	PEPCO	Pole / Guys				Adjust Guys
5-2	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-3	PEPCO	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-4	PEPCO	Pole				No Impact.
5-5	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-6	Comcast	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-7	PEPCO	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-8	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-9	Comcast	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-10	PEPCO	Pole				No Impact
5-11	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-12	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-13	PEPCO	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-14	PEPCO	Pole / Guy				Adjust Guys
5-15	Comcast	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-16	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-17	Comcast	Wire / Conduit				Pervious Pavement. Relocate under driveway.
5-18	Verizon	Wire / Conduit				Pervious Pavement. Relocate under driveway.

NOTES:

- THIS SHEET IS WITHIN UPPER ROCK CREEK SPECIAL PROTECTION AREA.
- ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.

90% DESIGN
NOT FOR CONSTRUCTION

				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		UT-05 UTILITY PLAN BOWIE MILL ROAD BIKEWAY	
				RECOMMENDED FOR APPROVAL		M-NCPPC PERMIT NO. MR20230116 SHA TRACKING NO. 24APMO039XX	
				Chief, Design Section APPROVED		Date	
				Chief, Division of Transportation Engineering		Date	
				Designed by: ADH Drawn by: TMB Checked by: JJR		Project No. : 502108 Sheet 318 of 393	
NO.	REVISION	DATE	BY				



UTILITY TEST HOLES				
Point #	Description	Elevation	Northing	Easting
TH-24	VERIZON	0.000	537740.1320	1278495.8927
TH-25	COMCAST	0.000	537760.4782	1278496.9340
TH-26	ELECTRIC	0.000	537779.2557	1278499.5599
TH-27	VERIZON	0.000	537780.5454	1278499.7860

- NOTES:
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UTILITY DATA					
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH
6-1	Private	Light Pole			
6-2	Verizon	Wire / Conduit		X	
6-3	Comcast	Wire / Conduit		X	
6-4	PEPCO	Wire / Conduit		X	
6-5	Verizon	Wire / Conduit		X	
6-6	Verizon	Cabinet			
					Relocate

90% DESIGN
NOT FOR CONSTRUCTION

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Chief, Division of Transportation Engineering

Designed by: ADH Drawn by: TMB Checked by: JJR

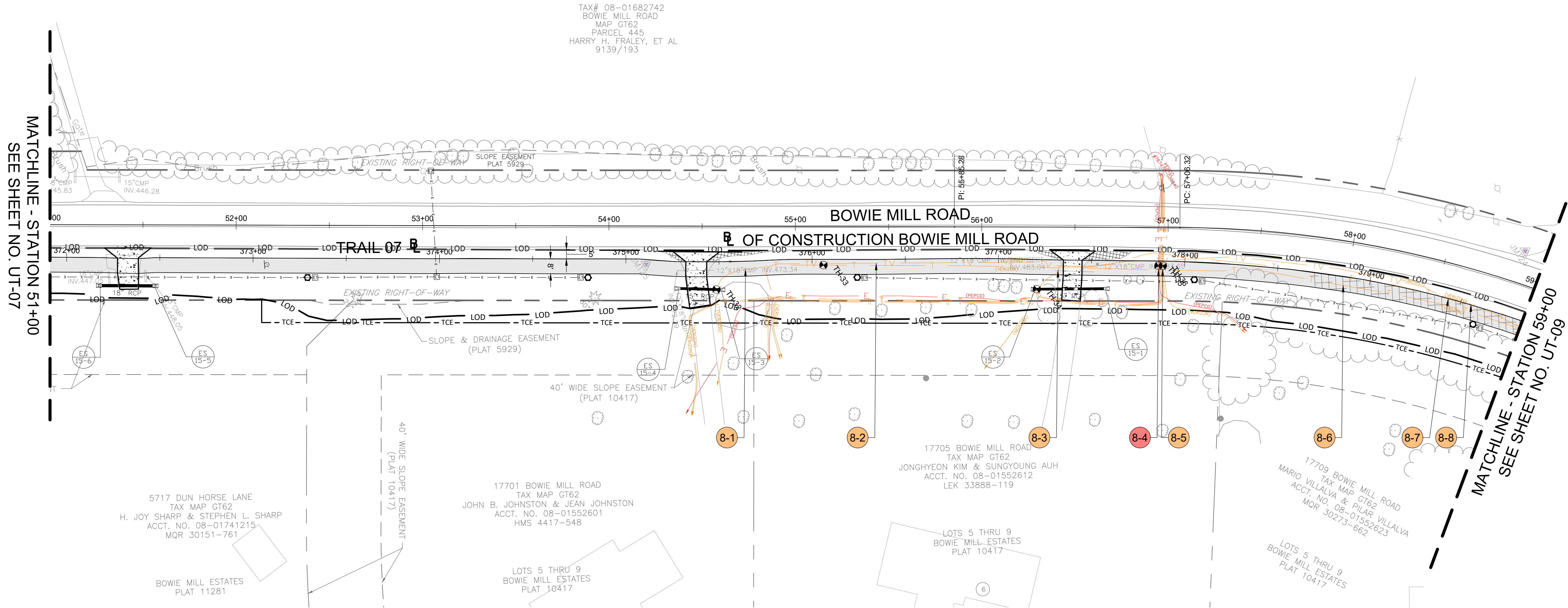
UT-06
UTILITY PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APM0039XX

SCALE: 1"=30'

DATE: APRIL 2025

Project No. : 502108 Sheet 319 of 393

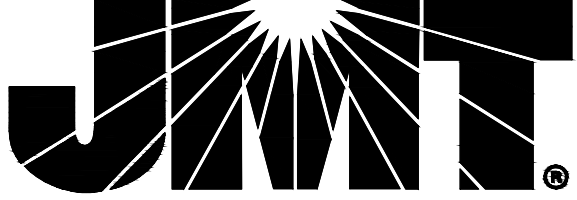


UTILITY TEST HOLES				
Point #	Description	Elevation	Northing	Easting
TH-32	VERIZON	0.000	539361.8991	1279364.0447
TH-33	COMCAST	0.000	539416.7005	1279385.6739
TH-34	VERIZON	0.000	539503.8334	1279460.9776
TH-35	ELECTRIC	0.000	539564.7761	1279487.4829
TH-36	VERIZON	0.000	539566.7034	1279488.8152

- NOTES:
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UTILITY DATA						
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
8-1	Verizon	Wire / Conduit		X		
8-2	Comcast	Wire / Conduit		X		
8-3	Verizon	Wire / Conduit		X		
8-4	PEPCO	Wire / Conduit		X		
8-5	Verizon	Wire / Conduit		X		
8-6	Verizon	Wire / Conduit				Relocate away from Pervious Pavement
8-7	Comcast	Wire / Conduit				Relocate away from Pervious Pavement
8-8	Verizon	Wire / Conduit				Relocate away from Pervious Pavement

90% DESIGN
NOT FOR CONSTRUCTION



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Chief, Division of Transportation Engineering

Designed by: ADH Drawn by: TMB Checked by: JJR

Date
Date

UT-08
UTILITY PLAN
BOWIE MILL ROAD
BIKEWAY

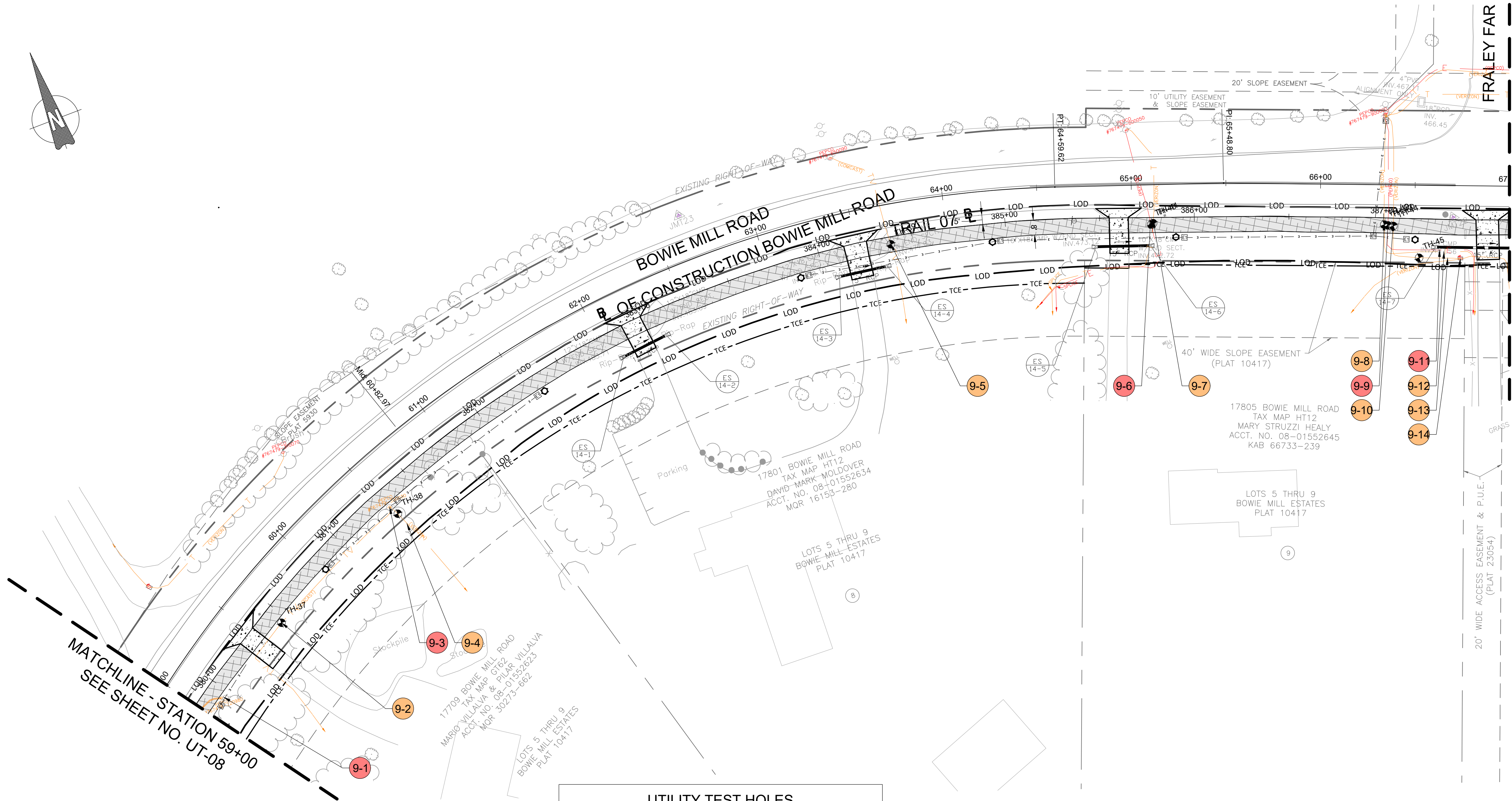
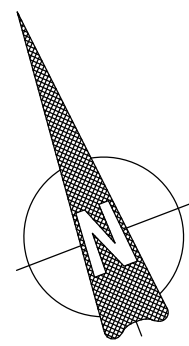
M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APMO039XX

0 30' 60'

SCALE: 1"=30'

DATE: APRIL 2025

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UTILITY DATA

POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
9-1	PEPCO	Guy Pole				Adjust Guys
9-2	Comcast	Wire / Conduit		X		
9-3	PEPCO	Guy Pole				Adjust Guys
9-4	Verizon	Wire / Conduit		X		
9-5	Comcast	Wire / Conduit		X		Pervious Pavement
9-6	Verizon	Wire / Conduit		X		Pervious Pavement
9-7	PEPCO	Wire / Conduit		X		Pervious Pavement
9-8	Verizon	Wire / Conduit		X		Pervious Pavement
9-9	PEPCO	Wire / Conduit		X		Pervious Pavement
9-10	Verizon	Wire / Conduit		X		Pervious Pavement
9-11	PEPCO	Wire / Conduit				Relocate
9-12	Verizon	Wire / Conduit				Relocate
9-13	Verizon	Wire / Conduit		X		
9-14	Verizon	Handbox				Grade Adjustment or Relocate

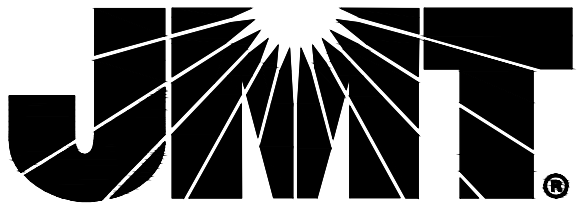
UTILITY TEST HOLES

Point #	Description	Elevation	Northing	Easting
TH-37	COMCAST	0.000	539733.2469	1279679.9110
TH-38	VERIZON	0.000	539764.9518	1279757.8596
TH-39	COMCAST	0.000	539804.3581	1280051.9619
TH-40	ELECTRIC	0.000	539764.8953	1280184.0529
TH-41	VERIZON	0.000	539765.1410	1280185.2338
TH-42	VERIZON	0.000	539720.6225	1280298.9446
TH-43	ELECTRIC	0.000	539719.5809	1280300.5983
TH-44	VERIZON	0.000	539718.2679	1280303.1512
TH-45	VERIZON	0.000	539697.7094	1280309.8336

NOTES:

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90% DESIGN
NOT FOR CONSTRUCTION



MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Date

Chief, Division of Transportation Engineering

Date

Designed by: ADH

Drawn by: TMB

Checked by: JJR

UT-09
UTILITY PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APM0039XX

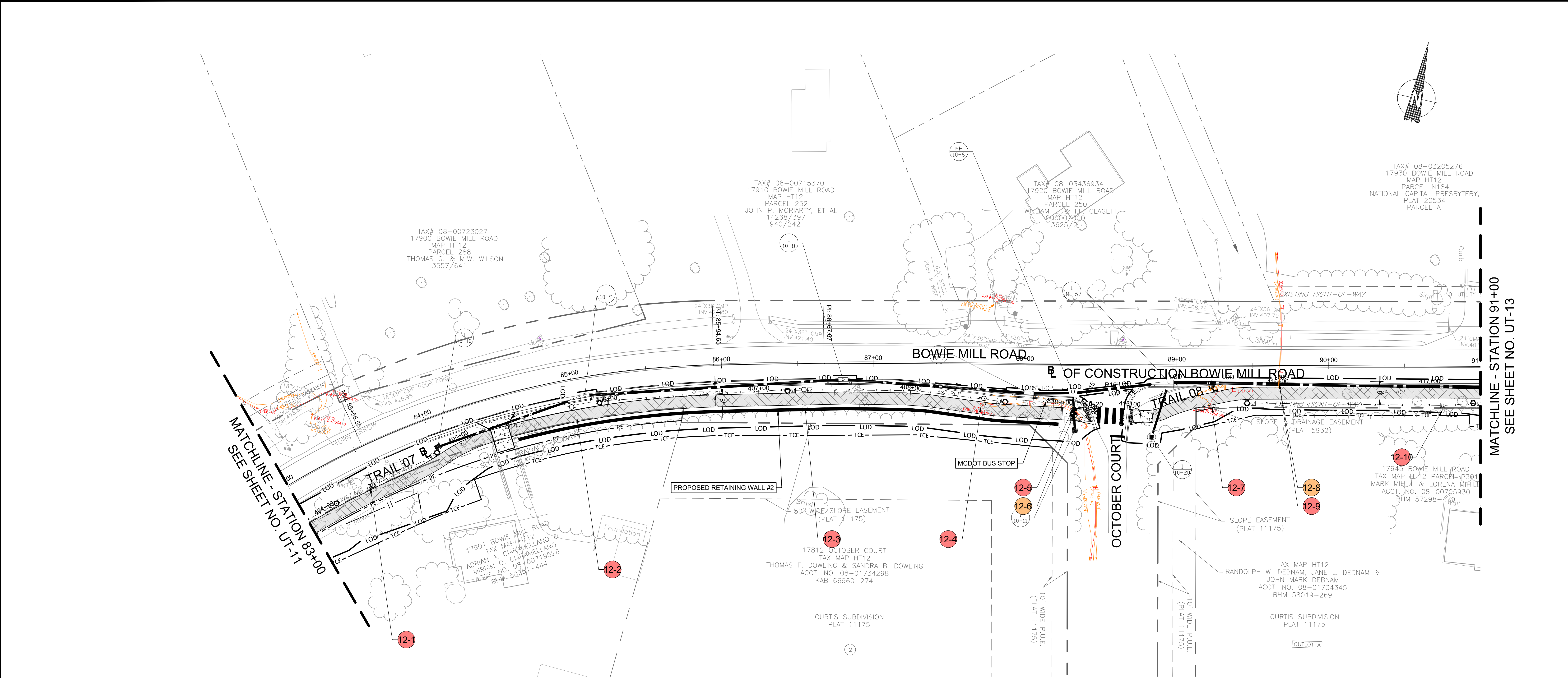
0 30' 60'

SCALE: 1"=30'

DATE: APRIL 2025

Project No. : 502108

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UTILITY TEST HOLES				
Point #	Description	Elevation	Northing	Easting
TH-49	ELECTRIC	0.000	540280.1874	1282153.6774
TH-50	VERIZON	0.000	540277.3077	1282154.2616

UTILITY DATA						
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
12-1	PEPCO	Guy Pole / Guys				Relocate
12-2	PEPCO	Pole / Guys				Relocate
12-3	PEPCO	Pole				Relocate
12-4	PEPCO	Pole / Guys				Relocate
12-5	PEPCO	Wire / Conduit		X		
12-6	Verizon	Wire / Conduit		X		
12-7	PEPCO	Pole				Brace during construction
12-8	Verizon	Wire / Conduit				Relocate
12-9	PEPCO	Wire / Conduit				Relocate
12-10	PEPCO	Pole				No Impact

- NOTES:
- THIS SHEET IS WITHIN UPPER ROCK CREEK SPECIAL PROTECTION AREA.
 - ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.

90% DESIGN
NOT FOR CONSTRUCTION

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Chief, Division of Transportation Engineering

Designed by: ADH Drawn by: TMB Checked by: JJR

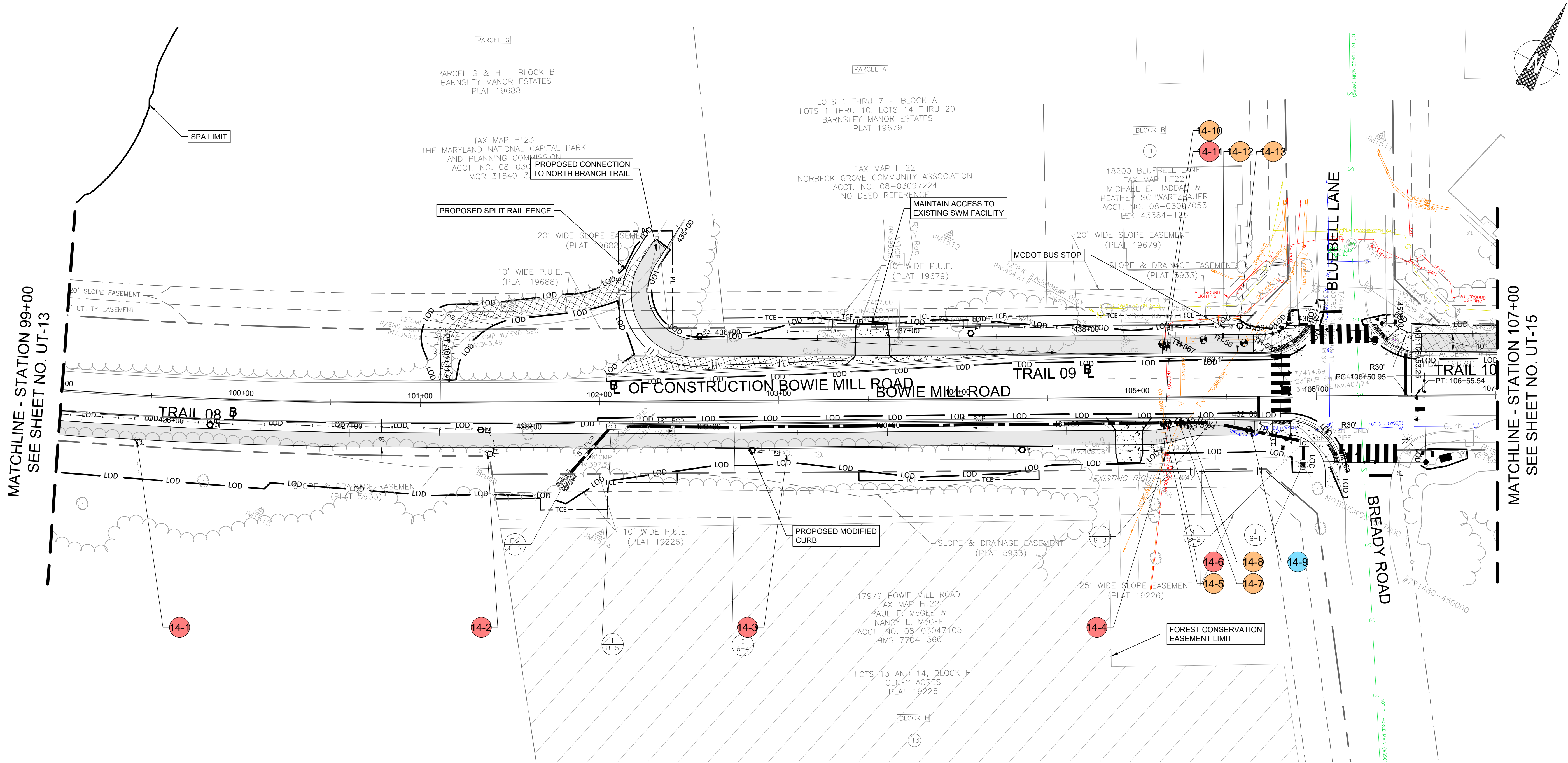
UT-12
UTILITY PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APMO039XX

SCALE: 1"=30'

DATE: APRIL 2025

Project No. : 502108 Sheet 325 of 393



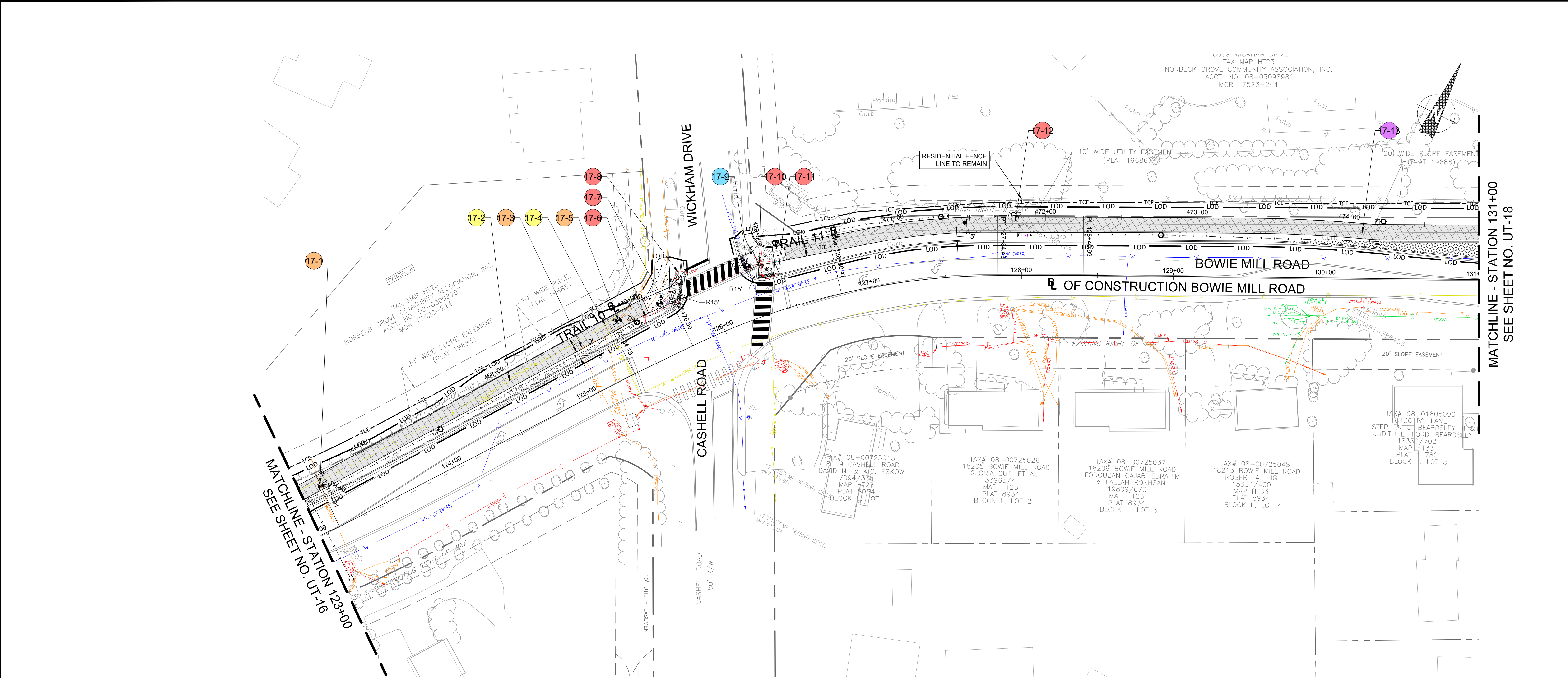
MATCHLINE - STATION 99+00
SEE SHEET NO. UT-13

MATCHLINE - STATION 107+00
SEE SHEET NO. UT-15

UTILITY DATA						
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
14-1	PEPCO	Pole / Guys				Install deeper pole to maintain minimum clearance
14-2	PEPCO	Pole / Guys				Install deeper pole to maintain minimum clearance
14-3	PEPCO	Pole / Guys				Brace during construction
14-4	PEPCO	Poles (2)				No Impact
14-5	Verizon	Wire / Conduit		X		
14-6	PEPCO	Wire / Conduit		X		
14-7	Comcast	Wire / Conduit		X		
14-8	Comcast	Wire / Conduit		X		
14-9	WSSC	Water Line	24" DI	X		
14-10	Verizon	Wire / Conduit		X		
14-11	PEPCO	Wire / Conduit		X		
14-12	Comcast	Wire / Conduit		X		
14-13	Comcast	Wire / Conduit		X		

UTILITY TEST HOLES				
Point #	Description	Elevation	Northing	Easting
TH-51	VERIZON	0.000	540841.4328	1283734.7469
TH-52	ELECTRIC	0.000	540842.5574	1283736.8998
TH-53	COMCAST	0.000	540845.6421	1283742.3771
TH-54	COMCAST	0.000	540847.6825	1283745.9526
TH-55	WATER	0.000	540859.5449	1283779.0026
TH-56	VERIZON	0.000	540880.5306	1283714.1463
TH-57	ELECTRIC	0.000	540880.1628	1283716.5785
TH-58	COMCAST	0.000	540892.9910	1283733.5553
TH-59	COMCAST	0.000	540901.7140	1283754.4410

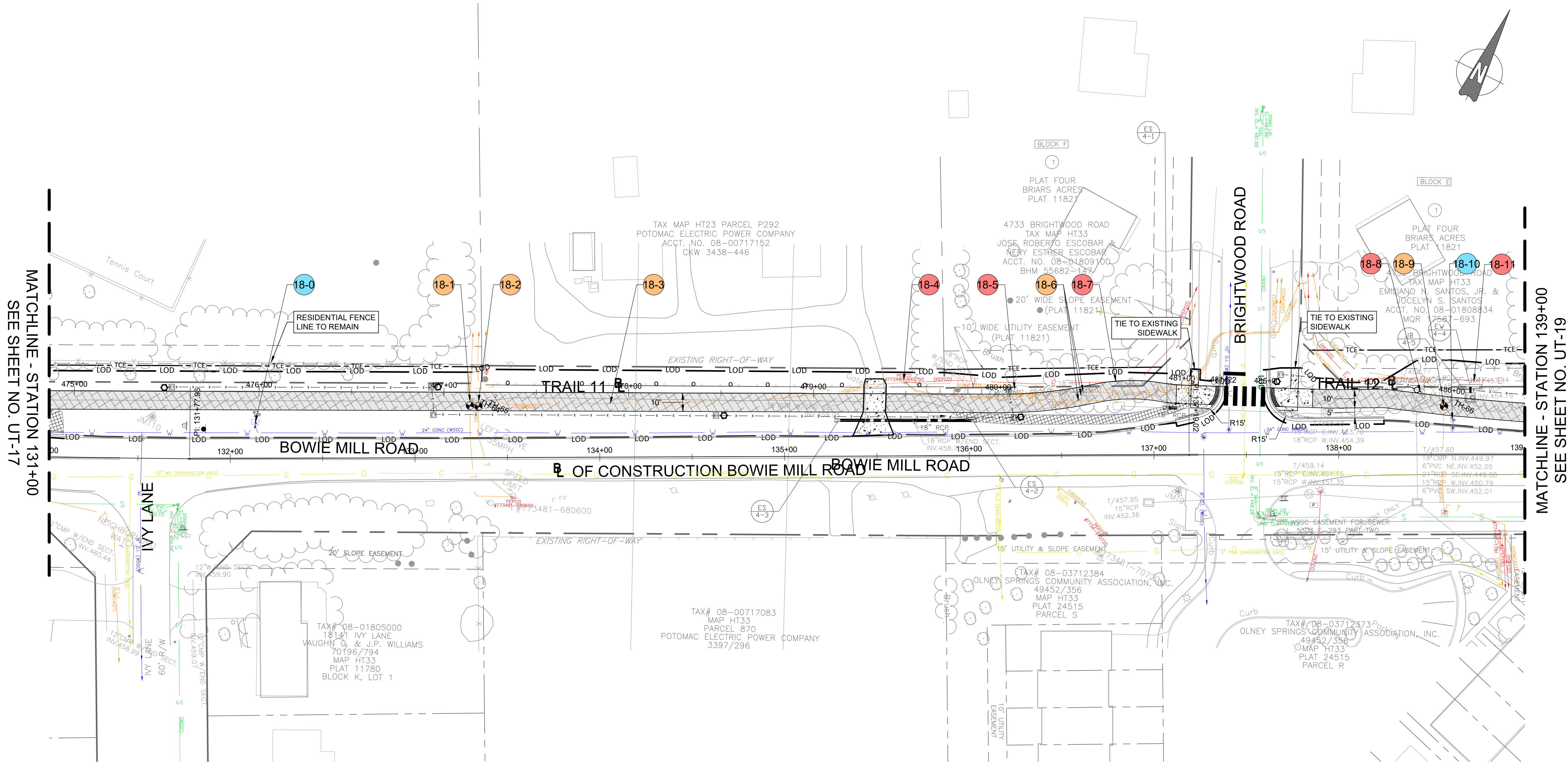
- NOTES:
- ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.
 - PROPOSED TRAFFIC SIGNAL TO BE INSTALLED AT BLUEBELL LANE / BREADY ROAD UNDER THIS CONTRACT. SEE SG-SERIES FOR DETAILS OF PROPOSED TRAFFIC SIGNAL DESIGN.



UTILITY DATA						
POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
17-1	Verizon	Wire / Conduit		X		
17-2	Washington Gas	Gas Line	8" PLA			Relocate away from Pervious Pavement
17-3	Comcast	Wire / Conduit				Relocate away from Pervious Pavement
17-4	Washington Gas	Gas Line	8" PLA			Relocate away from Pervious Pavement
17-5	Verizon	Wire / Conduit		X		
17-6	MCDOT Signal	Handbox				Grade adjustment
17-7	MCDOT Signal	Wire / Conduit		X		
17-8	MCDOT Signal	Handbox				Grade adjustment
17-9	WSSC	Water Line	12" DI	X		
17-10	MCDOT Signal	Handbox				Grade adjustment
17-11	PEPCO	Pole				No Impact
17-12	PEPCO	Pole				Relocate
17-13	Unknown	Pole				Pole shown on mapping. No pole found in field.

UTILITY TEST HOLES				
Point #	Description	Elevation	Northing	Easting
TH-60	VERIZON	0.000	541800.1466	1285238.4310
TH-61	VERIZON	0.000	541984.0145	1285366.7675
TH-62	ELECTRIC	0.000	542005.9036	1285386.2813
TH-63	WATER	0.000	542052.9294	1285427.7894

- NOTES:
- ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.



MATCHLINE - STATION 131+00
SEE SHEET NO. UT-17

MATCHLINE - STATION 139+00
SEE SHEET NO. UT-19

UTILITY DATA

POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
18-0	WSSC	Hydrant				Grade Adjustment / Relocate
18-1	Verizon	Wire / Conduit		X		Pervious Pavement.
18-2	Verizon	Wire / Conduit		X		Pervious Pavement
18-3	Comcast	Wire / Conduit				Relocate away from Pervious Pavement
18-4	PEPCO	Pole				No Impact
18-5	PEPCO	Pole				No Impact
18-6	Comcast	Wire / Conduit				Relocate away from Pervious Pavement
18-7	PEPCO	Wire / Conduit				Relocate away from Pervious Pavement
18-8	PEPCO	Pole / Cabinet				Relocate Pole
18-9	Verizon	Wire / Conduit		X		Pervious Pavement
18-10	WSSC	Hydrant				No Impact
18-11	PEPCO	Wire / Conduit				Relocate

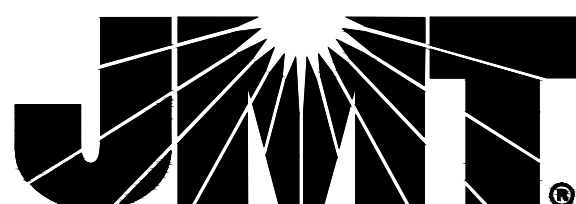
UTILITY TEST HOLES

Point #	Description	Elevation	Northing	Easting
TH-64	VERIZON	0.000	542381.2121	1286057.8848
TH-65	VERIZON	0.000	542382.8947	1286062.1808
TH-66	VERIZON	0.000	542611.6155	1286532.1047

NOTES:

- ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.
- OVERHEAD TRANSMISSION LINES CROSS BOWIE MILL ROAD ON THIS SHEET, AT APPROX. STA. 134+00 TO 135+00. NO IMPACTS OR CONFLICTS ARE ANTICIPATED.

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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Date

Chief, Division of Transportation Engineering

Date

Designed by: ADH

Drawn by: TMB

Checked by: JUR

UT-18 UTILITY PLAN BOWIE MILL ROAD BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APM0039XX

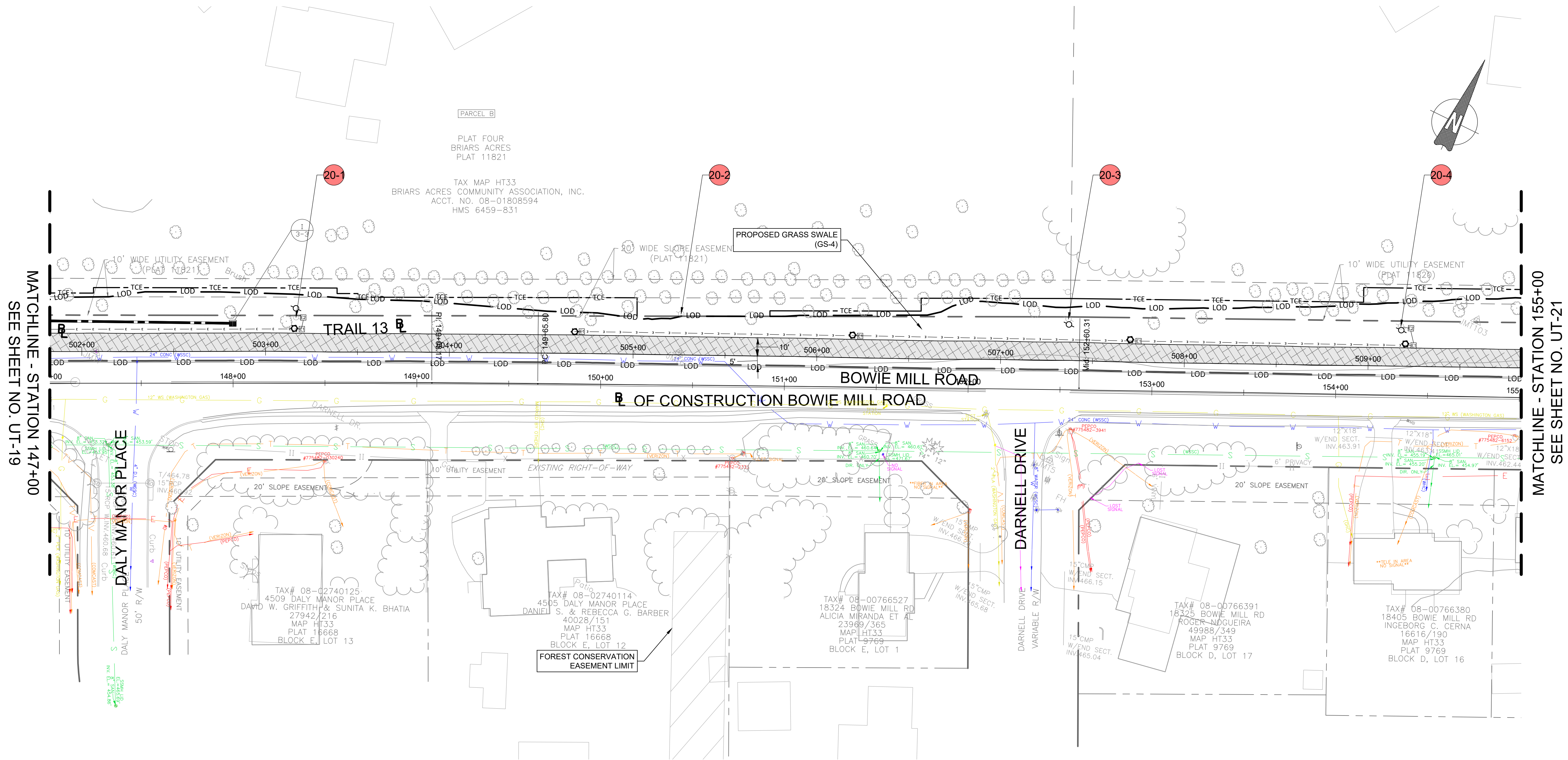
0 30' 60'

SCALE: 1"=30'

DATE: APRIL 2025

Project No.: 502108

Sheet 331 of 393



- NOTES:
- ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.

UTILITY DATA

POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
20-1	PEPCO	Pole				Relocate
20-2	PEPCO	Pole				Brace during construction
20-3	PEPCO	Pole / Guys				Relocate
20-4	PEPCO	Pole				Relocate

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Designed by: ADH Drawn by: TMB Checked by: JJR

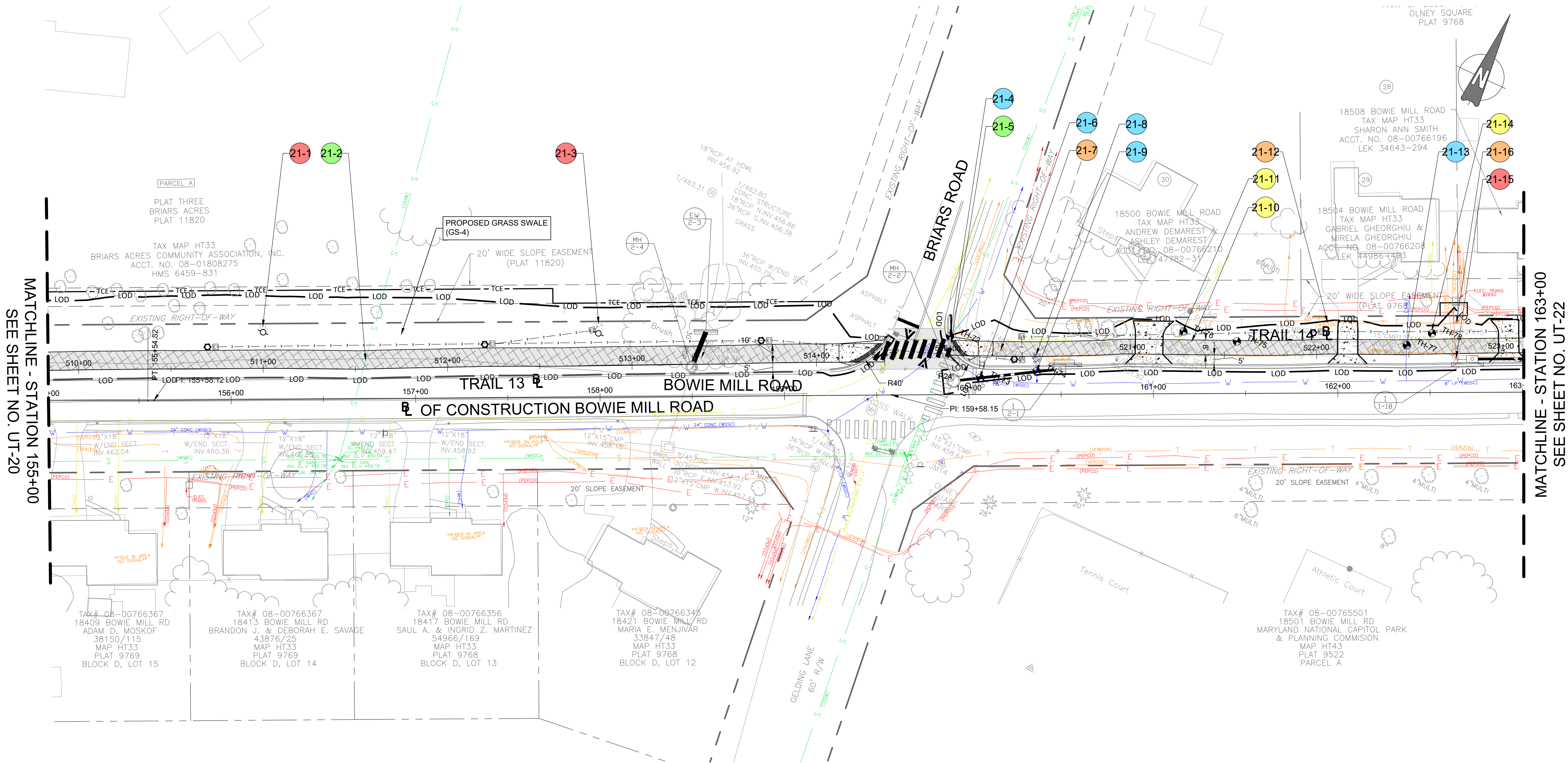
UT-20
UTILITY PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016 SHA TRACKING NO. 24APM0039XX

SCALE: 1"=30'

DATE: APRIL 2025

Project No. : 502108 Sheet 333 of 393



UTILITY DATA

POINT	UTILITY	UTILITY TYPE	SIZE	TEST HOLE	DEPTH	NOTES
21-1	PEPCO	Pole				Relocate
21-2	WSSC	Sewer Main	8"			
21-3	PEPCO	Pole / Guys				Relocate
21-4	WSSC	Water Line		X		
21-5	WSSC	Sewer Main	8"			
21-6	WSSC	Water Line	8"	X		
21-7	Comcast	Wire / Conduit				Relocate away from Pervious Pavement
21-8	WSSC	Hydrant				Relocate
21-9	WSSC	Hydrant Lead		X		
21-10	Washington Gas	Gas Line	2" PLA	X		Pervious Pavement
21-11	Washington Gas	GHC		X		
21-12	Verizon	Wire / Conduit				
21-13	WSSC	WHC		X		Pervious Pavement
21-14	Washington Gas	GHC		X		
21-15	PEPCO	Light Pole				Remove existing lighting
21-16	Comcast	Handbox				Grade Adjustment

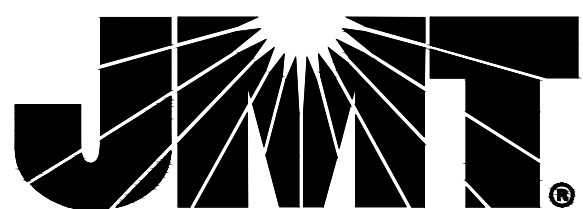
UTILITY TEST HOLES

Point #	Description	Elevation	Northing	Easting
TH-72	WATER	0.000	543538.1446	1288453.6748
TH-73	WATER	0.000	543524.5196	1288477.9903
TH-74	WATER	0.000	543540.6085	1288504.2368
TH-75	GAS	0.000	543600.9470	1288595.9827
TH-76	GAS	0.000	543593.6423	1288567.4668
TH-77	WATER	0.000	543637.7714	1288680.4151
TH-78	GAS	0.000	543649.4097	1288690.0731

NOTES:

- ALL UTILITY CONFLICTS AND RELOCATIONS WILL REQUIRE COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES.

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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: ADH

Drawn by: TMB

Checked by: JUR

UT-21
UTILITY PLAN
BOWIE MILL ROAD
BIKEWAY

M-NCPPC PERMIT NO. MR2023016

SHA TRACKING NO. 24APM0039XX

0 30' 60'

SCALE: 1"=30'

DATE: APRIL 2025

Project No.: 502108

Sheet 334 of 393

