

Table 1: MD-355 BRT (35% Design) ESDv Facilities

Station	Side of Road	POI/LOI	Watershed	BMP Types	BMP ID	IART Managed (ac)	Credited ESDv (cf)
5004+50	S	5-301	SENECA CREEK	Plantar Box	5-SC-PB-001S	0.12	481
5005+75	S	5-301	SENECA CREEK	Plantar Box	5-SC-PB-002S	0.35	796
5013+25	S	5-301	SENECA CREEK	Underground Filter	5-SC-UF-001S	0.11	381
5056+55	S	5-301	SENECA CREEK	Underground Filter	5-SC-UF-002S	0.07	232
5006+50	M	5-114	SENECA CREEK	Bioswale	5-SC-BS-001M	0.25	2,170
5008+00	M	5-114	SENECA CREEK	Bioswale	5-SC-BS-002M	0.16	1,458
5012+75	M	5-114	SENECA CREEK	Bioswale	5-SC-BS-003M	0.10	859
5001+50	N	4-301	SENECA CREEK	Porous Pavement	-	0.02	162
5004+60	N	5-114	SENECA CREEK	Porous Pavement	-	0.03	234
5008+75	S	5-114	SENECA CREEK	Porous Pavement	-	0.09	771
5010+00	N	5-114	SENECA CREEK	Porous Pavement	-	0.03	261

Table 2: MD-355 BRT (35% Design) ESDv and Q10 Bioretention Facilities*

Station	Side of Road	POI/LOI	Watershed	BMP Types	BMP ID	IART Managed (ac)	Surface Storage (cf)	Sub-Surface Storage (cf)	Total ESDv (cf)
2112+25	SB	2-201A	CABIN JOHN	Bioretention Pond	BR-2-201A-Q10	N/A	2,302	4,500	6,802
2116+10	SB	2-217C	CABIN JOHN	Bioretention Pond	BR-2-217D-Q10	N/A	180	1,200	1,380
4082+00	NB	4-245	ROCK CREEK	Bioretention Pond	BR-4-245-Q10	N/A	1,282	3,000	4,282
5083+30	NB	5-148	SENECA CREEK	Bioretention Pond	BR-5-148-Q10	N/A	139	720	859
6075+00	NB	6-324	SENECA CREEK	Bioretention Pond	BR-6-324-1-Q10	N/A	489	2,289	2,289
6072+25	NB	6-324	SENECA CREEK	Bioretention Pond	BR-6-324-2-Q10	N/A	1,076	4,676	4,676

*These facilities are also being used for Q10 control. There is no IART being sought from these BMPs

Table 3: MD-355 BRT (35% Design) Q10 BMP Summary

Station	Side of Road (NB, SB)	POI/LOI	Watershed	BMP Type	BMP ID	Storage Volume Provided (cf)
5015+25	SB	POI 5-114	Seneca Creek	100x12x12 Vault	UG-5-114-Q10	14,400
5063+30	NB	POI 5-148	Seneca Creek	Bioretention Pond	BR-5-148-Q10	1,200

Table 4: MD-355 BRT (35% Design) IART, ESDv, and Q10 Requirements Per Watershed

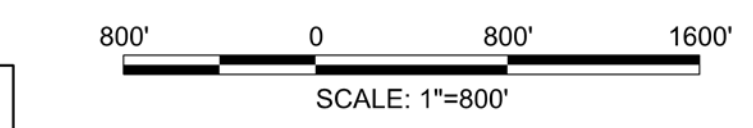
Total Per Watershed	IART Required (ac.)	IART Provided (ac.)	ESDv Required (cf)	ESDv Provided (cf)	10-YR Detention Storage Required (cf)	10-YR Detention Storage Provided
Cabin John	11.55	17.07	56,187	90,723	255,208	
Potomac	9.63	7.83	47,687	43,293	175,888	
Rock Creek	24.62	23.66	129,380	121,244	695,778	
Seneca Creek	13.27	15.22	76,385	68,178	313,848	*Q10 is provided per POI/LOI as required
Total	59.07	63.78	309,639	323,438	1,440,723	

I:\16\2022\pw\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25: Plans\SWM Sheet Files\PKY-0005_MD355BRT.dgn

SW-75



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO: _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Design Section

APPROVED

SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering

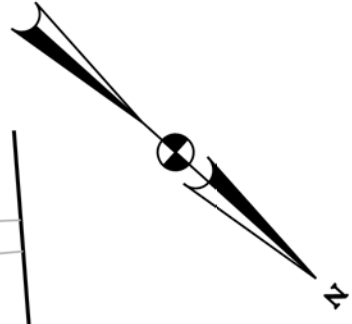
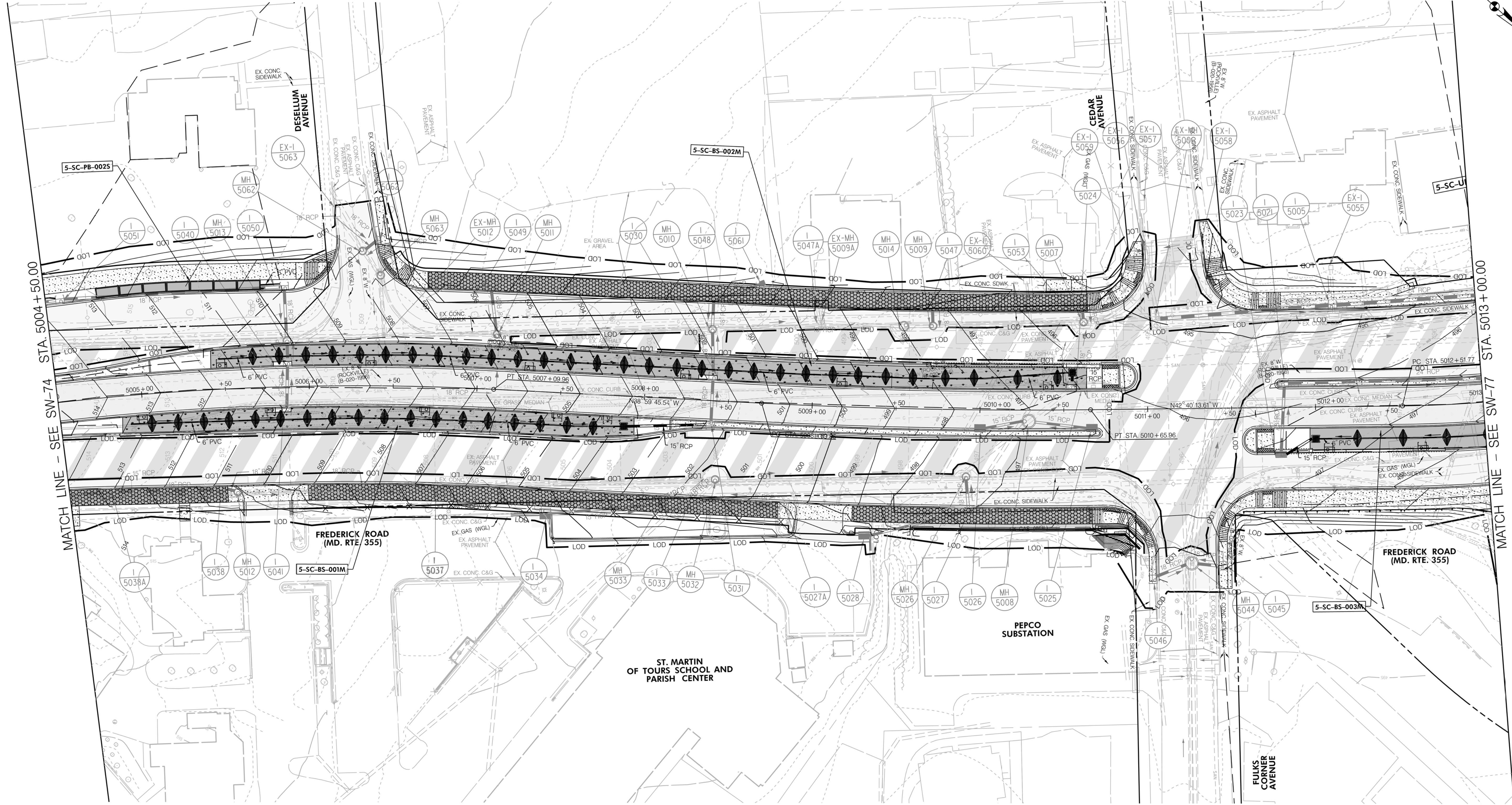
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT KEY MAP
MDE SC-77

SCALE : 1" = 800' DATE : DECEMBER 2022

Project No. : 502005 SHEET 364 of 887

11/18/2022 D:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 60 - 30 Scale



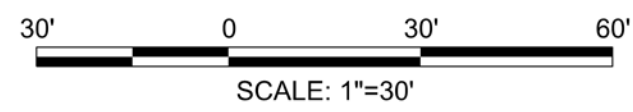
LEGEND

- IMPERVIOUS SURF. AREA FULL
- IMPERVIOUS SURF. AREA MILL
- PROPOSED BIO-SWALES
- PROPOSED PLANTER BOXES
- PROPOSED FILTERS
- PROPOSED PERM. PAVEMENT
- PROPOSED BIO-RET. POND
- PROPOSED POTENTIAL FACILITY
- PROPOSED UG FACILITY
- PROPOSED STORM DRAIN
- PROPOSED INLET
- PROPOSED STORM FILTER
- PROPOSED BUS PLATFORM



Stantec
 6110 FROST PLACE,
 LAUREL, MARYLAND 20707
 (301) 982-2800
 www.stantec.com

PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
 OR APPROVED BY ME AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
 OF MARYLAND.
 LICENSE NO. _____ EXPIRATION DATE: _____



SCALE: 1"=30'

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

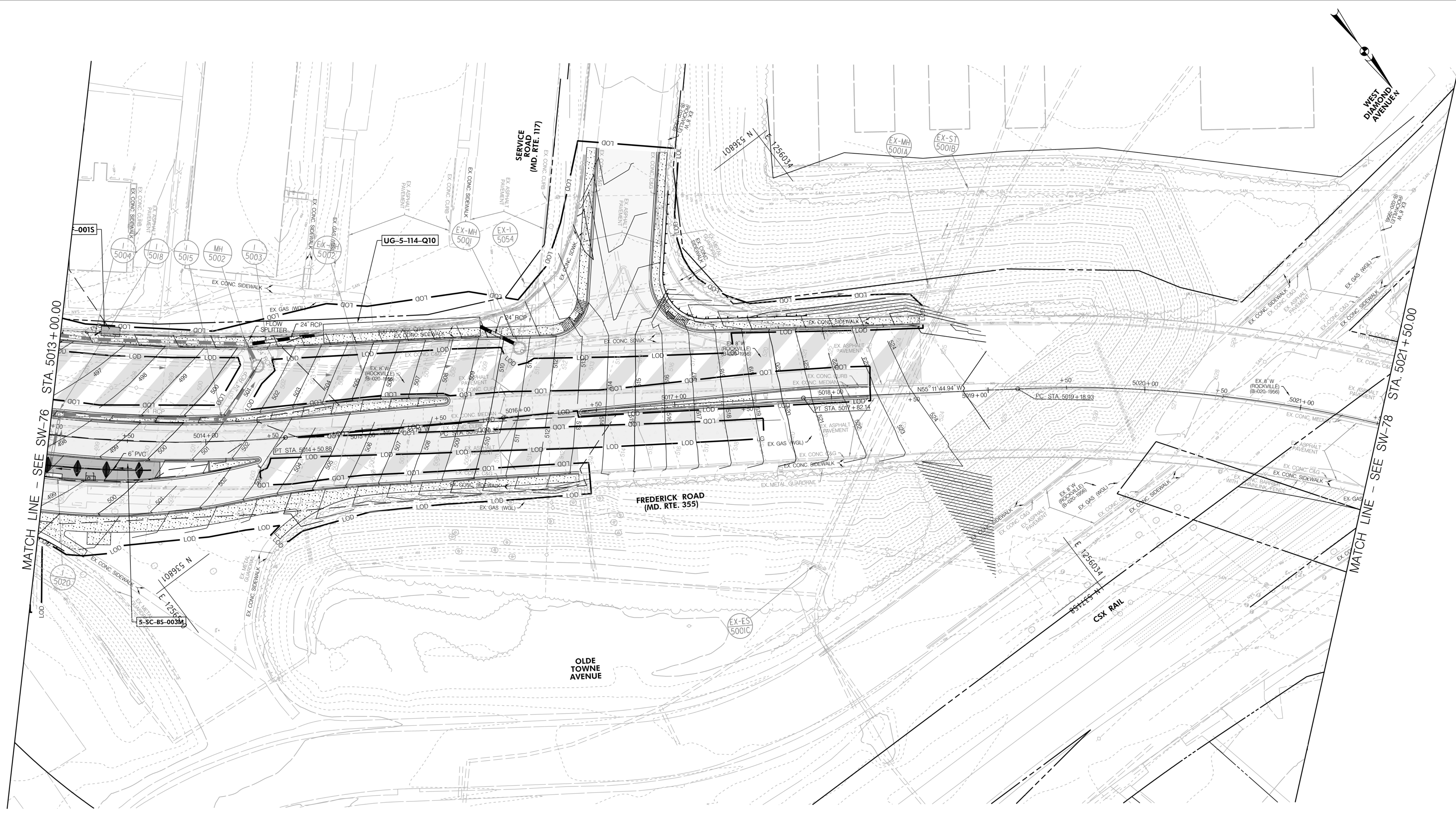
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section _____ Date _____
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering _____ Date _____
 Designed by: _____ Drawn by: _____ Checked by: _____

**MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN**

MDE SC-78
 SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 365 of 887

SW-76

11/18/2022 D:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 61 - 30 Scale



MATCH LINE - SEE SW-76 STA. 5013+00.00

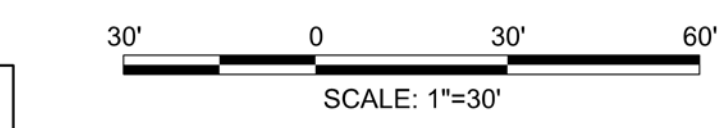
MATCH LINE - SEE SW-78 STA. 5021+50.00

LEGEND

IMPERVIOUS SURF. AREA FULL	[Pattern]
IMPERVIOUS SURF. AREA MILL	[Pattern]
PROPOSED BIO-SWALES	[Pattern]
PROPOSED PLANTER BOXES	[Pattern]
PROPOSED FILTERS	[Pattern]
PROPOSED PERM. PAVEMENT	[Pattern]
PROPOSED BIO-RET. POND	[Pattern]
PROPOSED POTENTIAL FACILITY	[Pattern]
PROPOSED UG FACILITY	[Pattern]
PROPOSED STORM DRAIN	[Pattern]
PROPOSED INLET	[Symbol]
PROPOSED STORM FILTER	[Symbol]
PROPOSED BUS PLATFORM	[Symbol]



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.



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
SEE TITLE SHEET FOR SIGNATURES
Chief, Design Section
Date

APPROVED
SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering
Date

Designed by: _____ Drawn by: _____ Checked by: _____

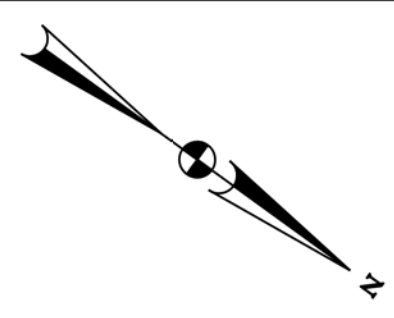
MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT PLAN
MDE SC-79

SCALE: 1" = 30' DATE: DECEMBER 2022

Project No.: 502005 SHEET 366 of 887

SW-77

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 62 - 30 Scale

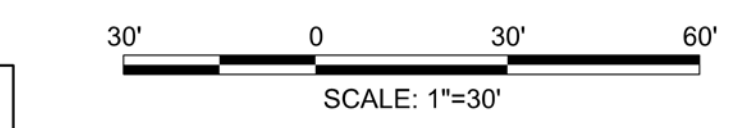


LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
 OR APPROVED BY ME AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
 OF MARYLAND.
 LICENSE NO. _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

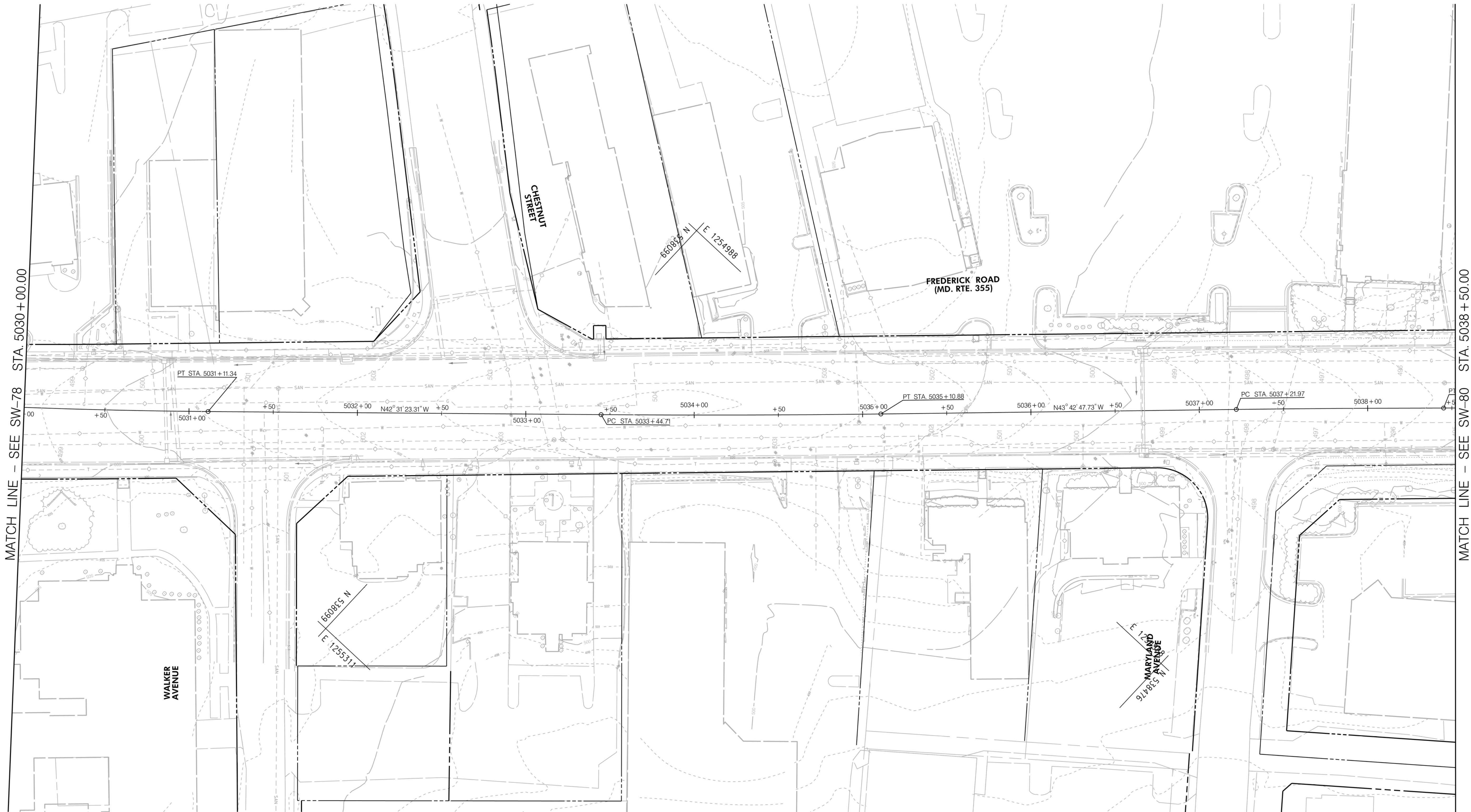
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT PLAN
 MDE SC-80
 SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 367 of 887

SW-78

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 63 - 30 Scale



MATCH LINE - SEE SW-78 STA. 5030 + 00.00

MATCH LINE - SEE SW-80 STA. 5038 + 50.00

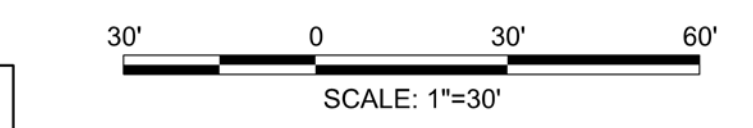
SW-79

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

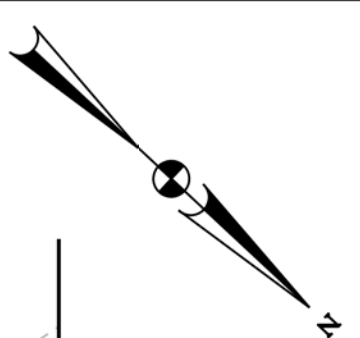
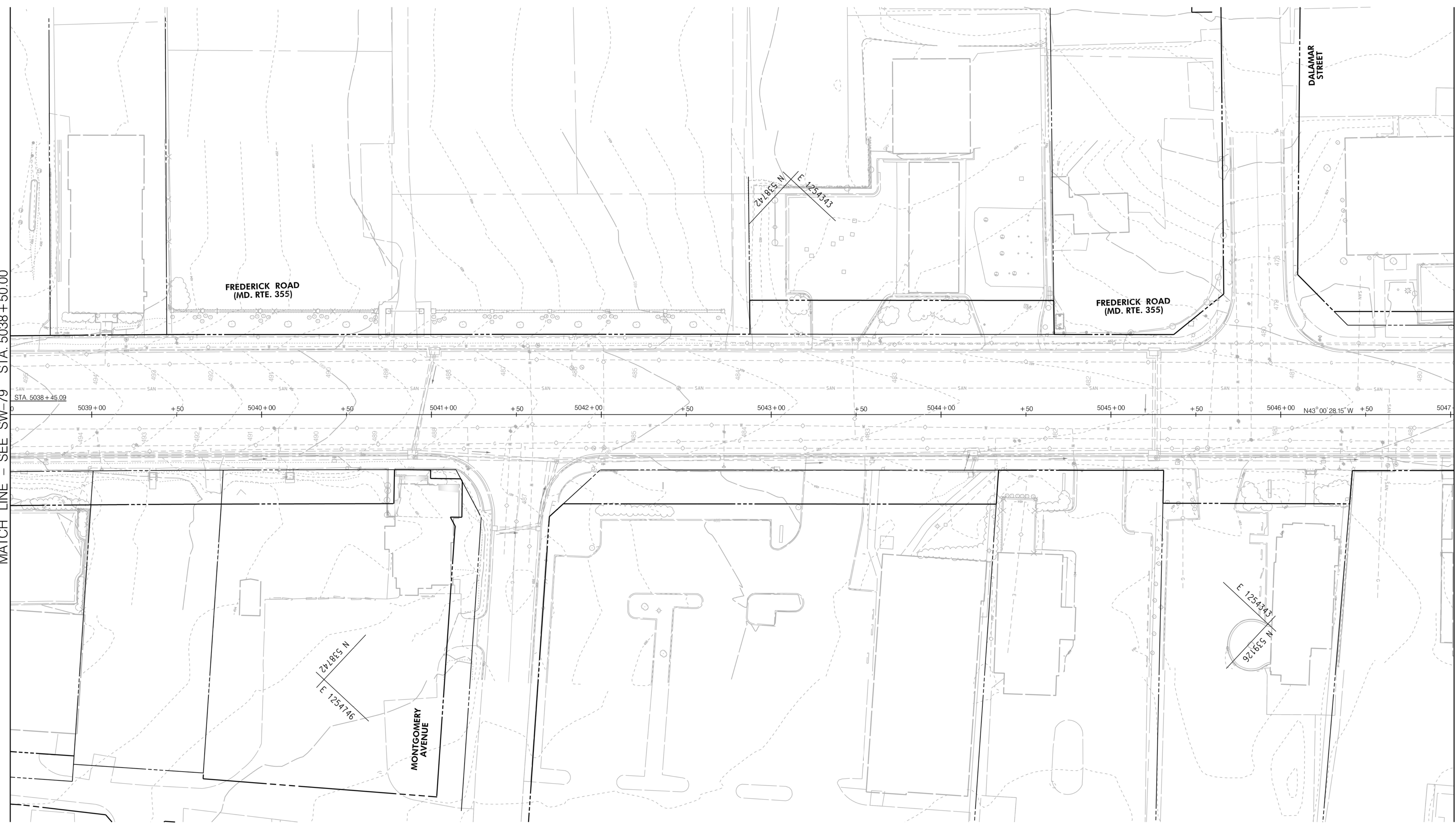
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by : _____ Drawn by : _____ Checked by : _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN
 MDE SC-81
 SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 368 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 64 - 30 Scale

MATCH LINE - SEE SW-79 STA. 5038 + 50.00

MATCH LINE - SEE SW-81 STA. 5047 + 00.00



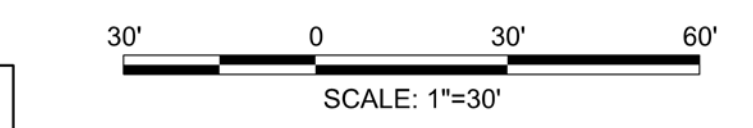
SW-80

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	

Stantec
 6110 FROST PLACE,
 LAUREL, MARYLAND 20707
 (301) 962-2800
 www.stantec.com

PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
 OR APPROVED BY ME AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
 OF MARYLAND.
 LICENSE NO: _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section _____ Date _____
 APPROVED

SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering _____ Date _____

Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN

MDE SC-82

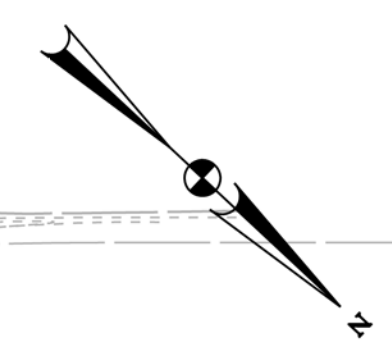
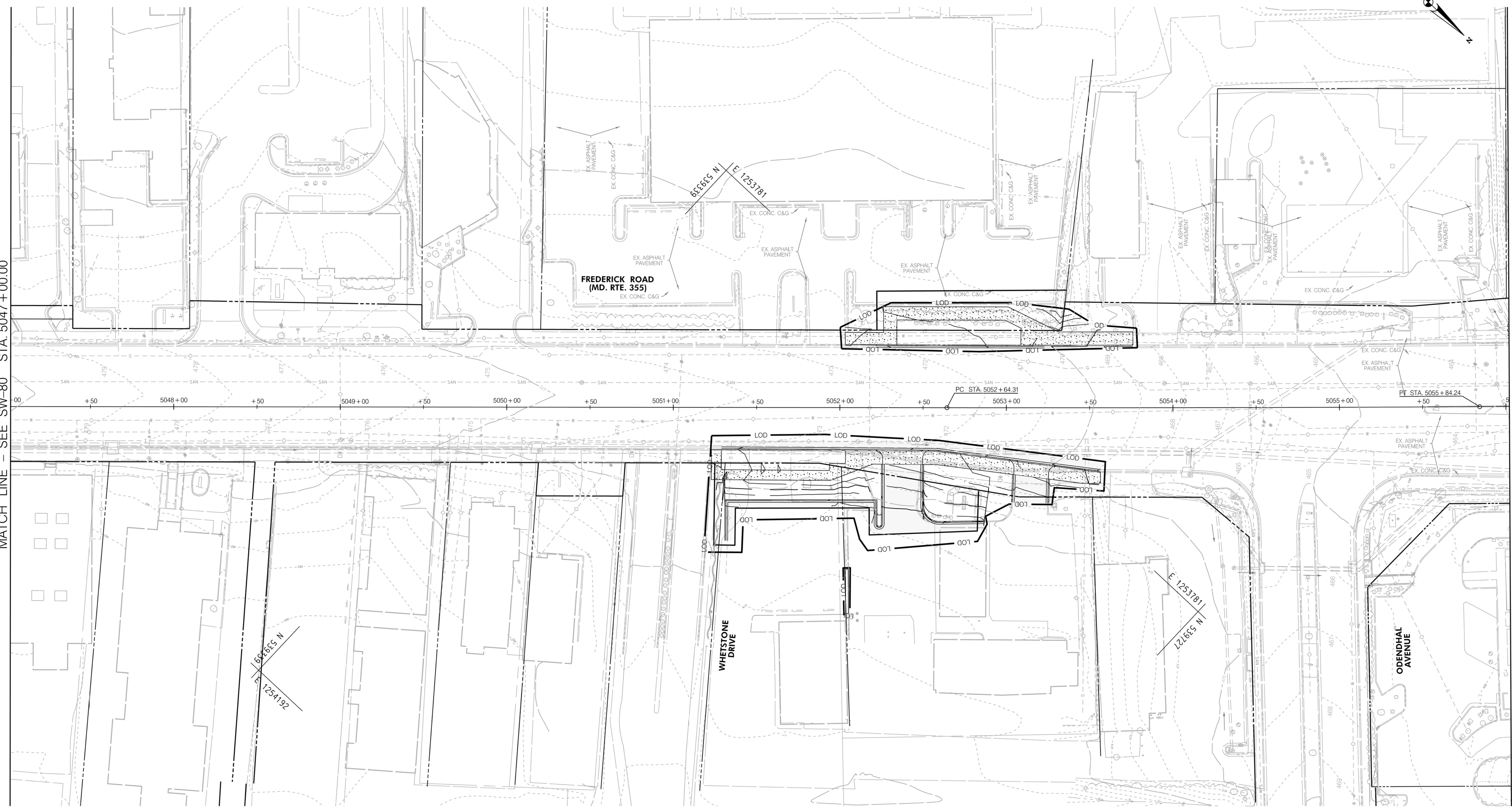
SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 369 of 887

I:\18\2022\pw\stantec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 65 - 30 Scale

MATCH LINE - SEE SW-80 STA. 5047+00.00

MATCH LINE - SEE SW-82 STA. 5056+00.00

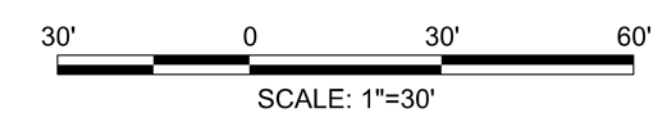


LEGEND

- IMPERVIOUS SURF. AREA FULL
- IMPERVIOUS SURF. AREA MILL
- PROPOSED BIO-SWALES
- PROPOSED PLANTER BOXES
- PROPOSED FILTERS
- PROPOSED PERM. PAVEMENT
- PROPOSED BIO-RET. POND
- PROPOSED POTENTIAL FACILITY
- PROPOSED UG FACILITY
- PROPOSED STORM DRAIN
- PROPOSED INLET
- PROPOSED STORM FILTER
- PROPOSED BUS PLATFORM



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
 OR APPROVED BY ME AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
 OF MARYLAND.
 LICENSE NO. _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

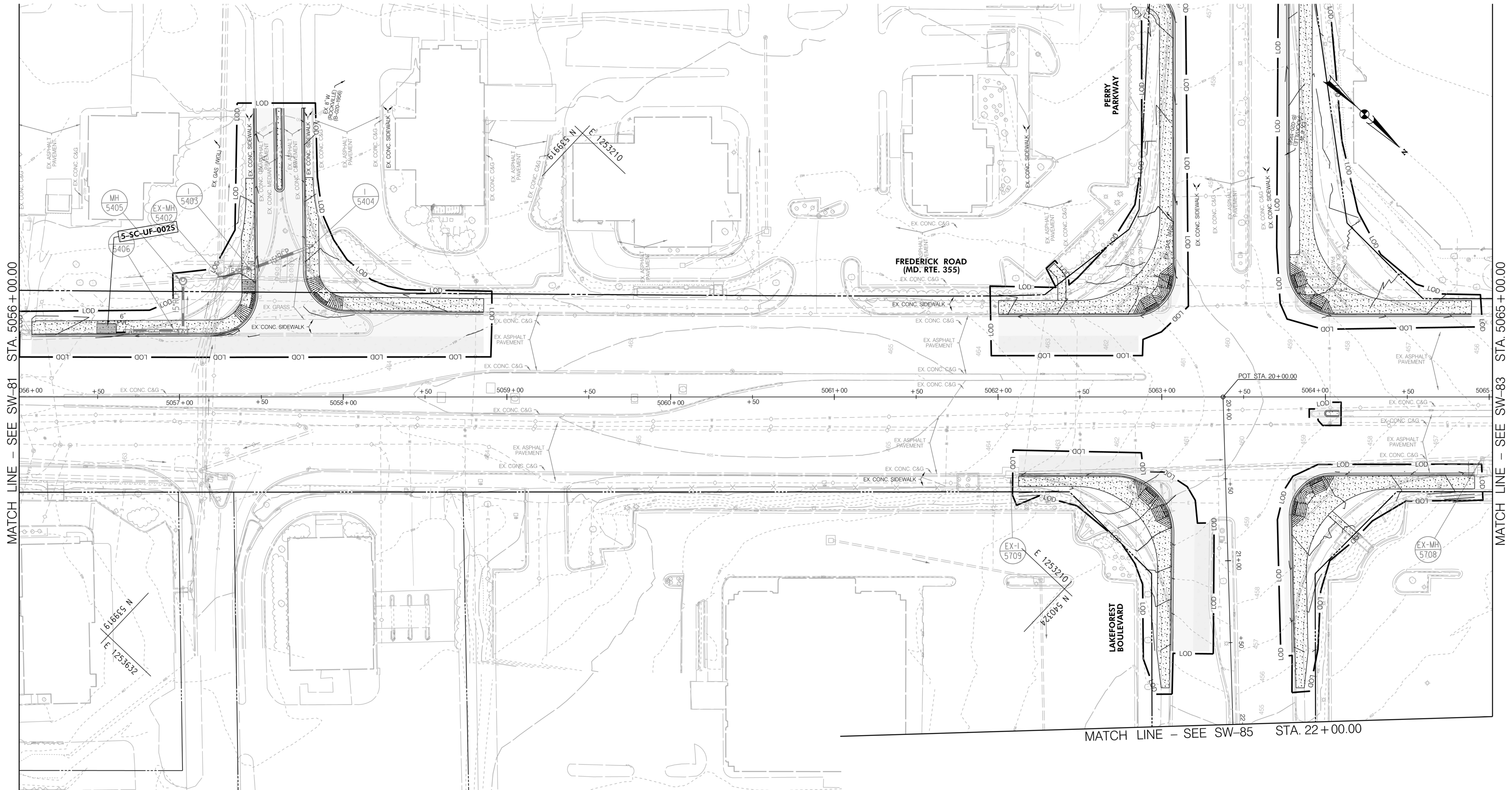
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

**MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN**

MDE SC-83
 SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 370 of 887

SW-81

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 66 - 30 Scale



MATCH LINE - SEE SW-81 STA. 5056+00.00

MATCH LINE - SEE SW-83 STA. 5065+00.00

MATCH LINE - SEE SW-85 STA. 22+00.00

SW-82

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. _____ EXPIRATION DATE: _____

30' 0 30' 60'
 SCALE: 1"=30'

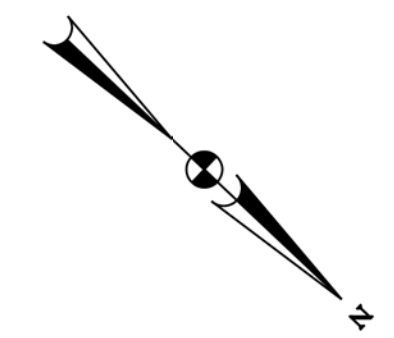
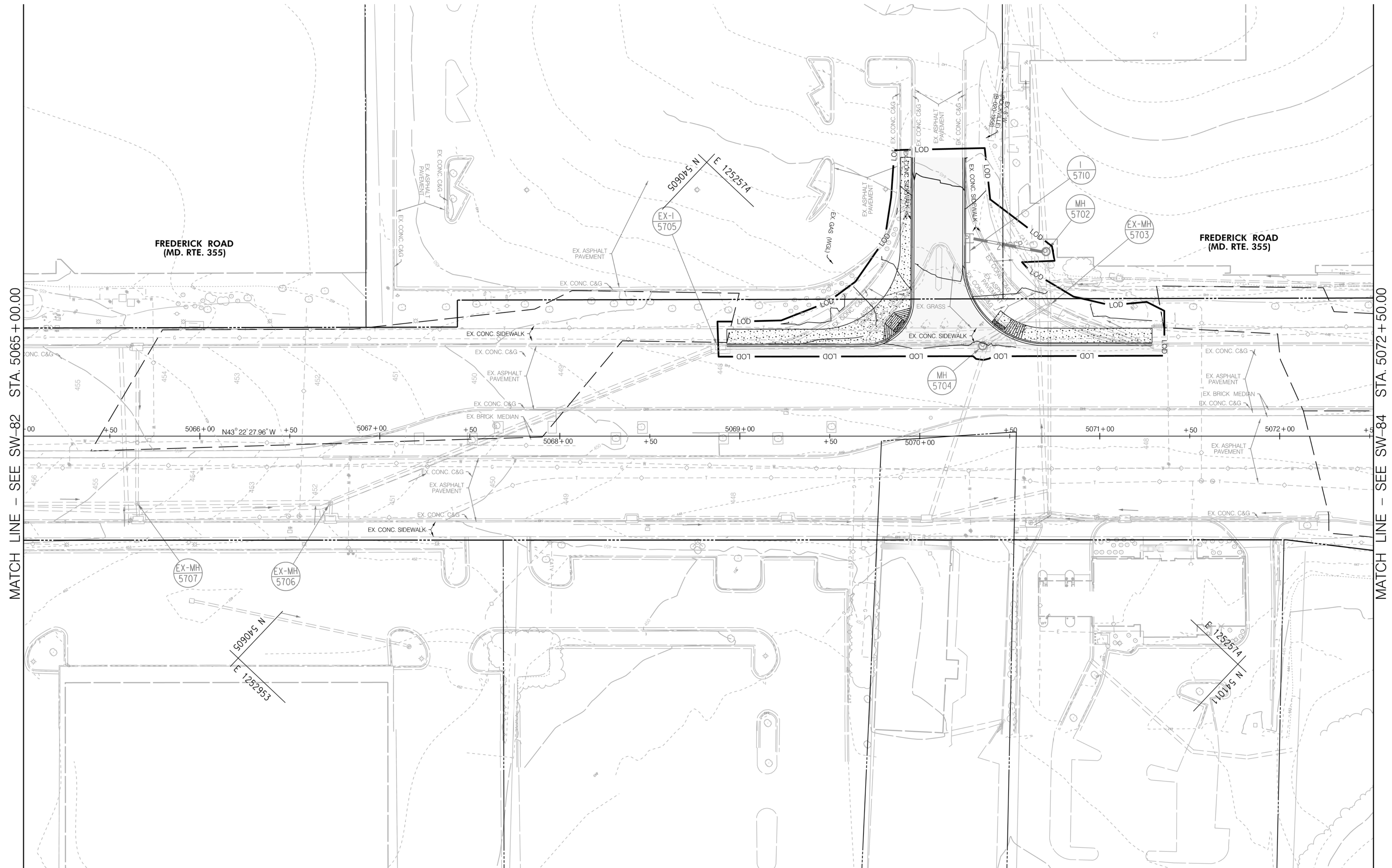
NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN
 MDE SC-84
 SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 371 of 887

I:\18\2022\pww\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Sheet Files\SMM Plan View 67 - 30 Scale



MATCH LINE - SEE SW-82 STA. 5065 + 00.00

MATCH LINE - SEE SW-84 STA. 5072 + 50.00

SW-83

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. _____ EXPIRATION DATE: _____



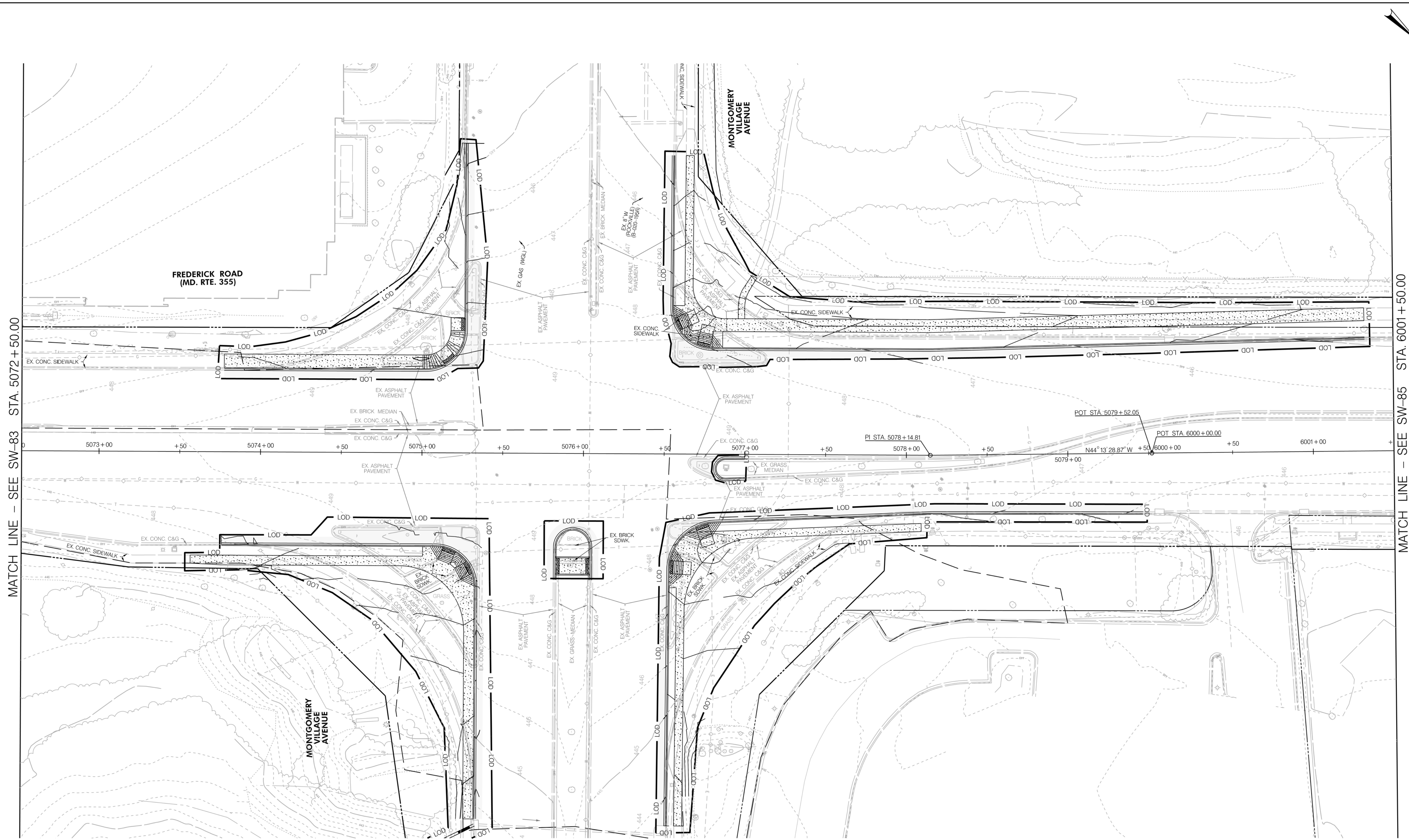
NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT PLAN
 MDE SC-85
 SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 372 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 68 - 30 Scale



MATCH LINE - SEE SW-83 STA. 5072 + 50.00

MATCH LINE - SEE SW-85 STA. 6001 + 50.00

SW-84

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	

Stantec
6110 FROST PLACE,
LAUREL, MARYLAND 20707
(301) 962-2800
www.stantec.com

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND.
LICENSE NO. _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Design Section

APPROVED

SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering

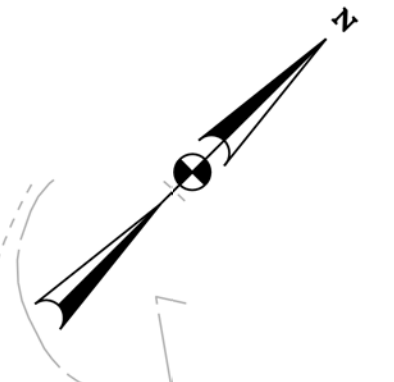
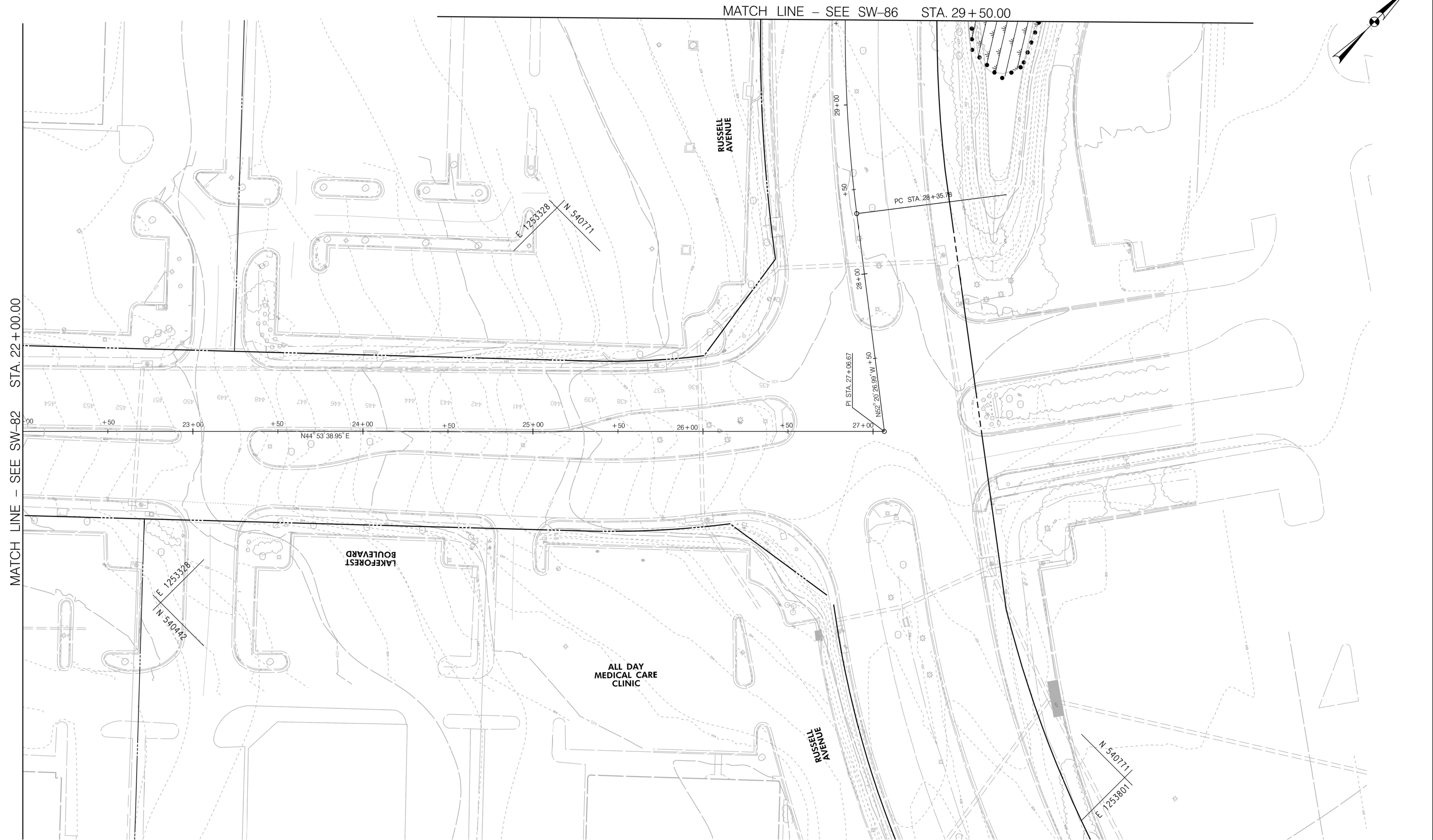
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT PLAN
MDE SC-86

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 373 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Sheet Plan View 66A - 30 Scale



SW-85

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	

Stantec
6110 FROST PLACE,
LAUREL, MARYLAND 20707
(301) 982-2800
www.stantec.com

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND.
LICENSE NO.: _____ EXPIRATION DATE: _____

30' 0 30' 60'

SCALE: 1"=30'

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES
Chief, Design Section _____ Date _____

APPROVED

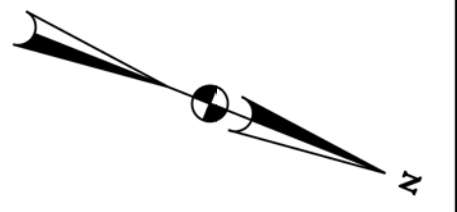
SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering _____ Date _____

Designed by: _____ Drawn by: _____ Checked by: _____

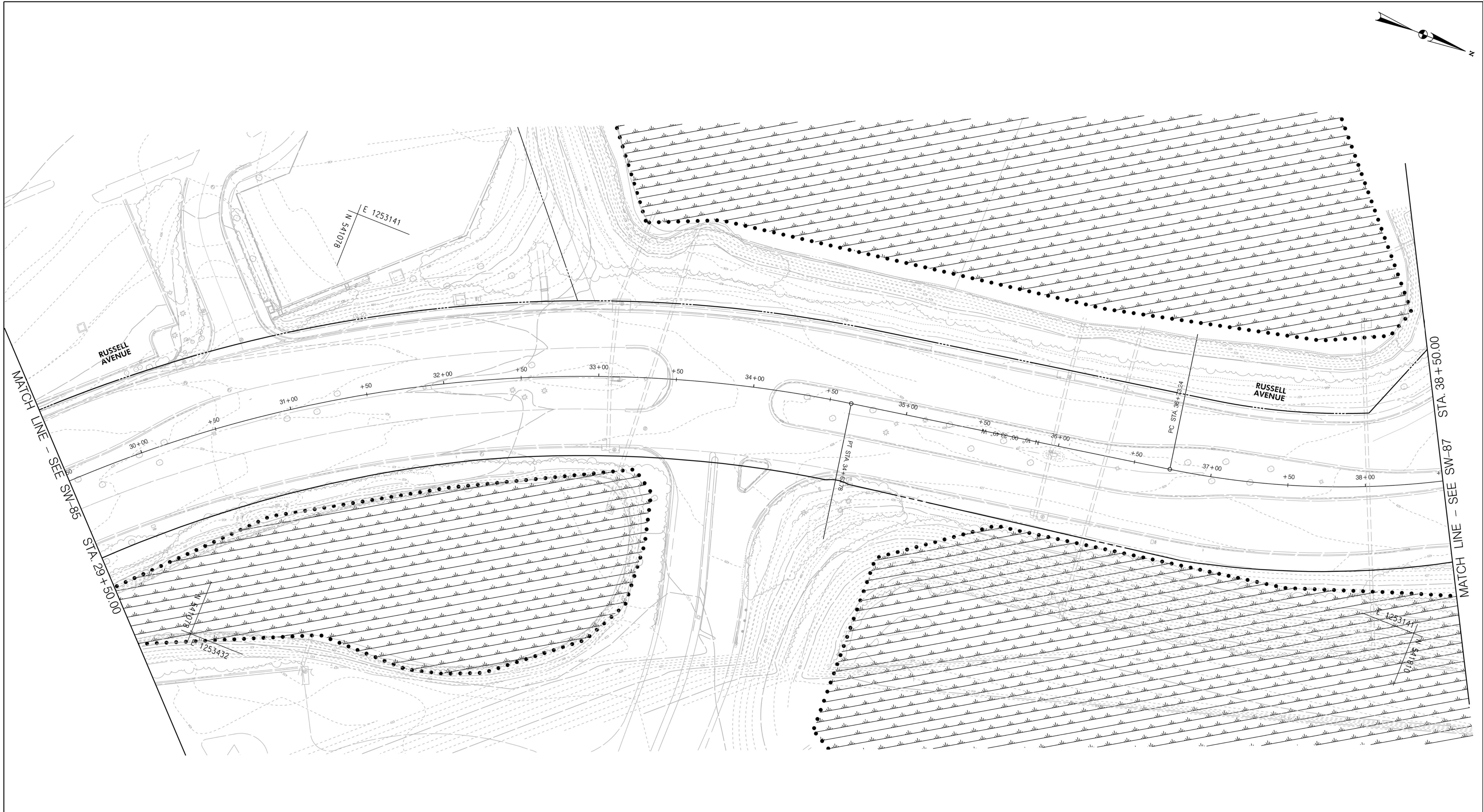
MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT PLAN
MDE SC-87

SCALE: 1" = 30' DATE: DECEMBER 2022

Project No.: 502005 SHEET 374 of 887



D:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 66B - 30 Scale

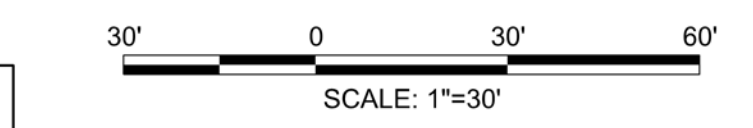


LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO: _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Design Section
APPROVED
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering
Designed by: _____ Drawn by: _____ Checked by: _____

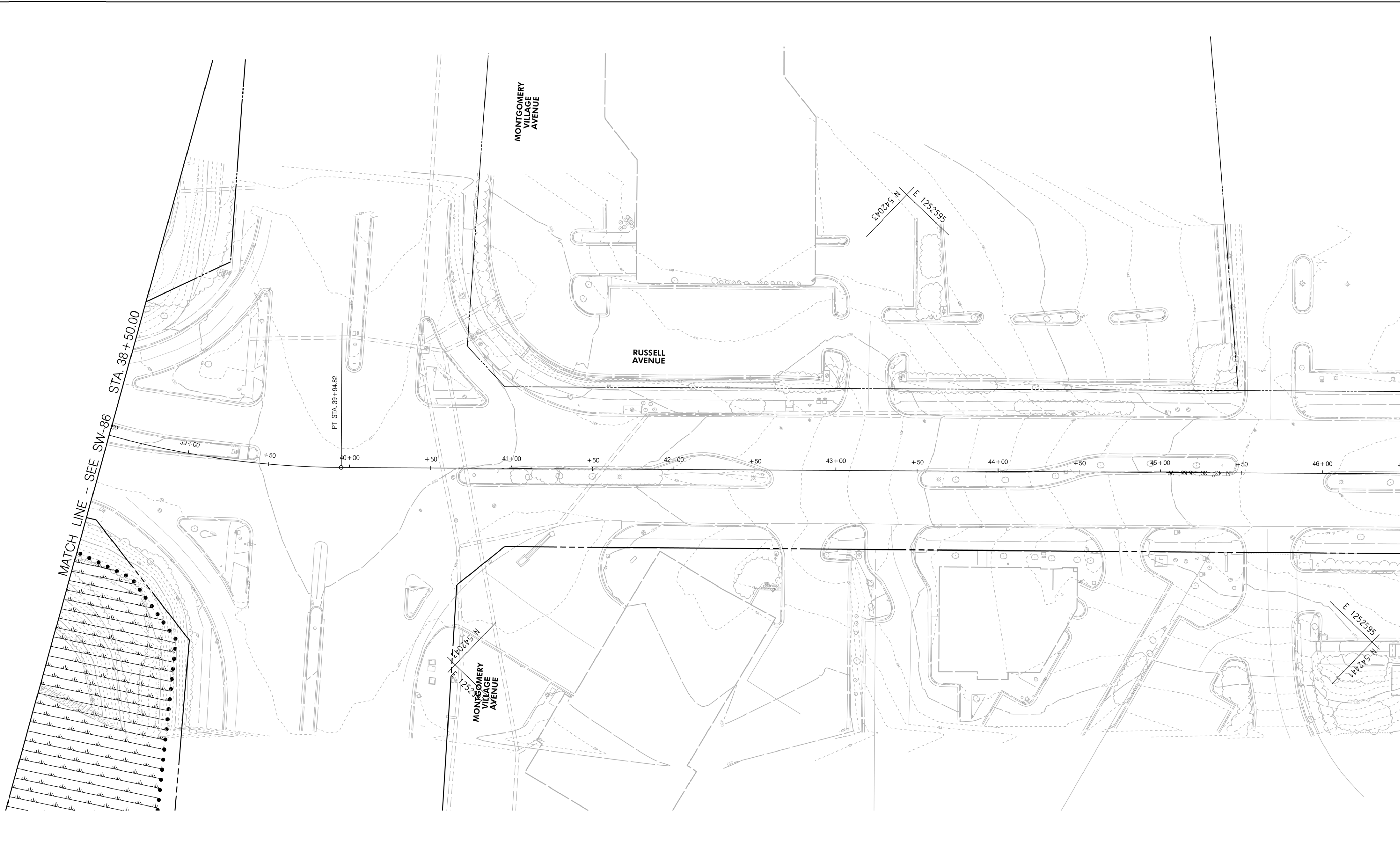
SW-86

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 5
STORMWATER MANAGEMENT PLAN
MDE SC-88

SCALE : 1" = 30' DATE : DECEMBER 2022

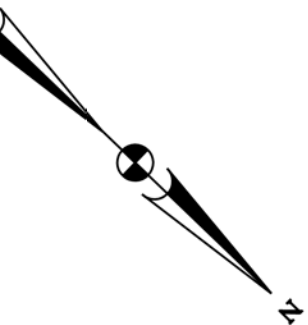
Project No. : 502005 SHEET 375 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Sheet Plan View 66C - 30 Scale



MATCH LINE - SEE SW-86 STA. 38+50.00

MATCH LINE - SEE SW-88 STA. 46+50.00



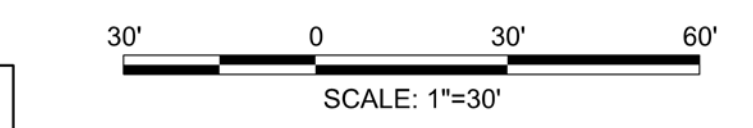
SW-87

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	

Stantec
 6110 FROST PLACE,
 LAUREL, MARYLAND 20707
 (301) 962-2800
 www.stantec.com

PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
 OR APPROVED BY ME AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
 OF MARYLAND.
 LICENSE NO: _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section

APPROVED

SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering

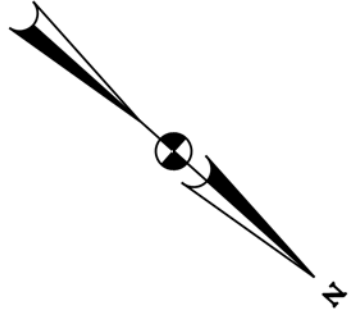
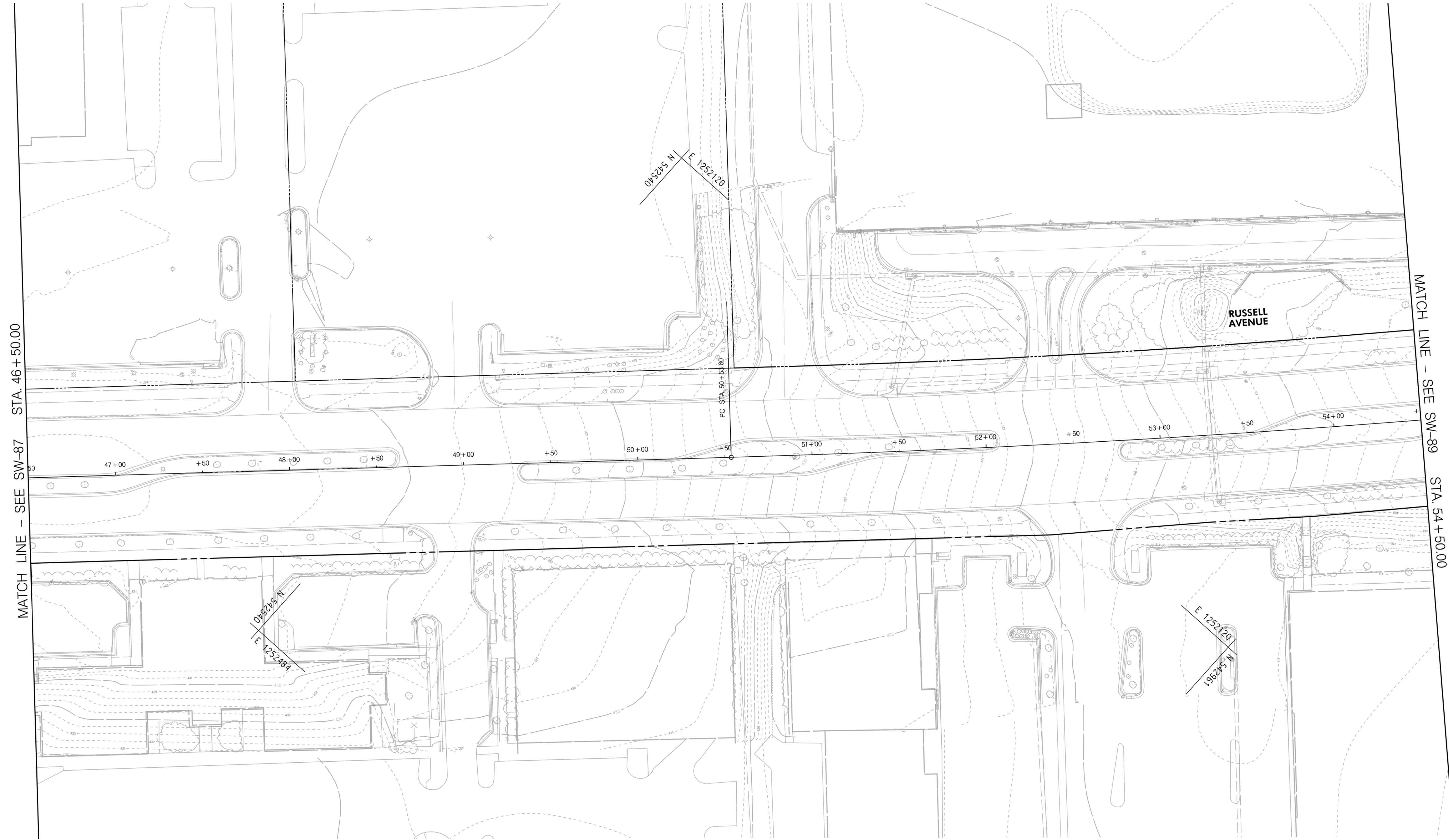
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN
 MDE SC-89

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 376 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 660 - 30 Scale



LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
 OR APPROVED BY ME AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
 OF MARYLAND.
 LICENSE NO: _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

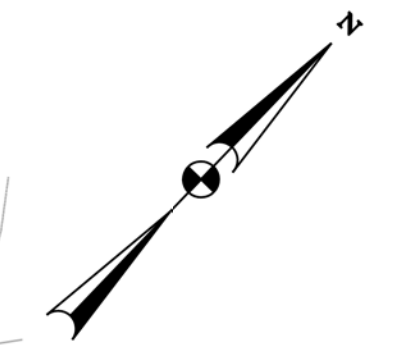
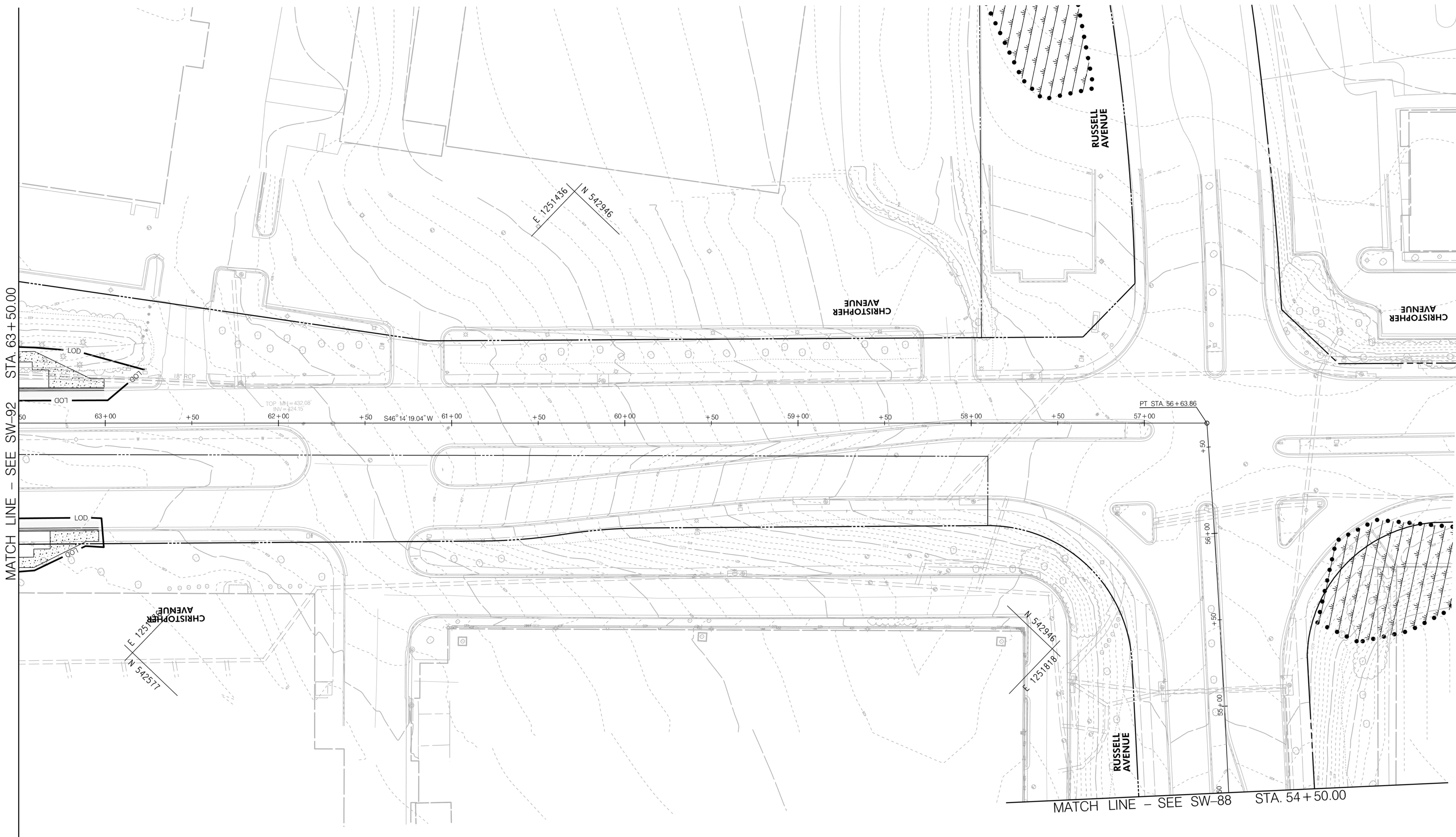
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by : _____ Drawn by : _____ Checked by : _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN
 MDE SC-90

SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 377 of 887

SW-88

I:\18\2022\pw\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Sheet Files\SWM Plan View 66E - 30 Scale



MATCH LINE - SEE SW-92 STA. 63 + 50.00

MATCH LINE - SEE SW-88 STA. 54 + 50.00

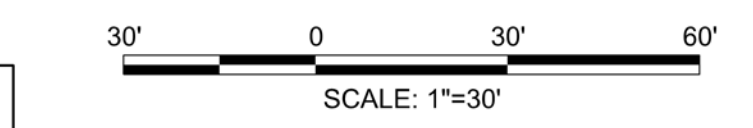
SW-89

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
PROPOSED BIO-RET. POND	
PROPOSED POTENTIAL FACILITY	
PROPOSED UG FACILITY	
PROPOSED STORM DRAIN	
PROPOSED INLET	
PROPOSED STORM FILTER	
PROPOSED BUS PLATFORM	



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO: _____ EXPIRATION DATE: _____



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by : _____ Drawn by : _____ Checked by : _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 5
 STORMWATER MANAGEMENT PLAN
 MDE SC-91

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 378 of 887