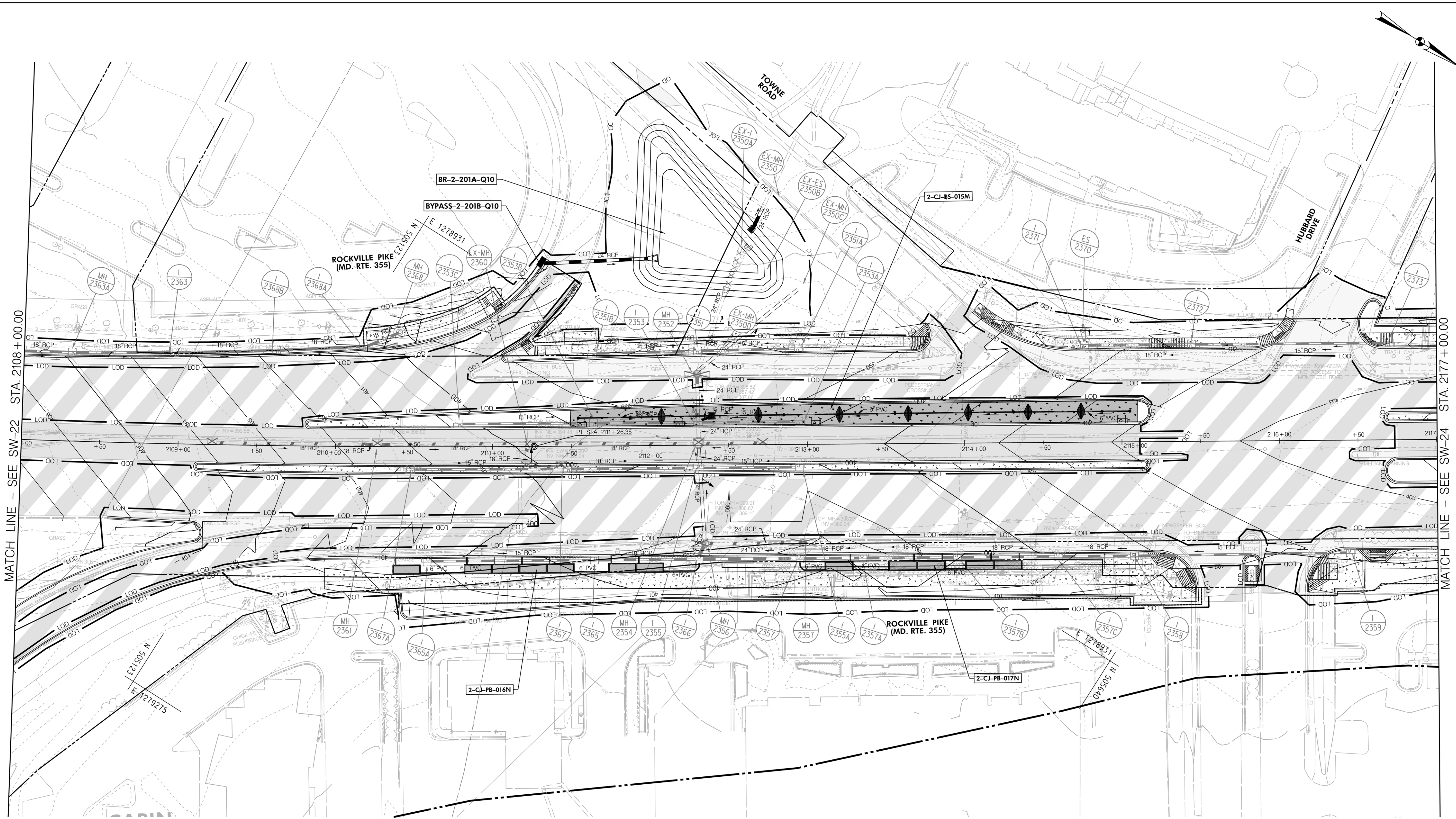


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MATCH LINE - SEE SW-22 STA. 2108+00.00

MATCH LINE - SEE SW-24 STA. 2117+00.00

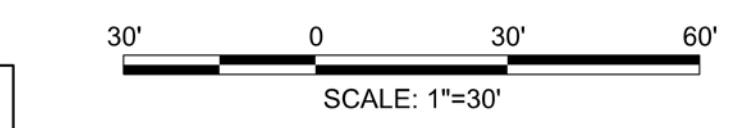
SW-23

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	

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OF MARYLAND.
LICENSE NO. _____ EXPIRATION DATE: _____



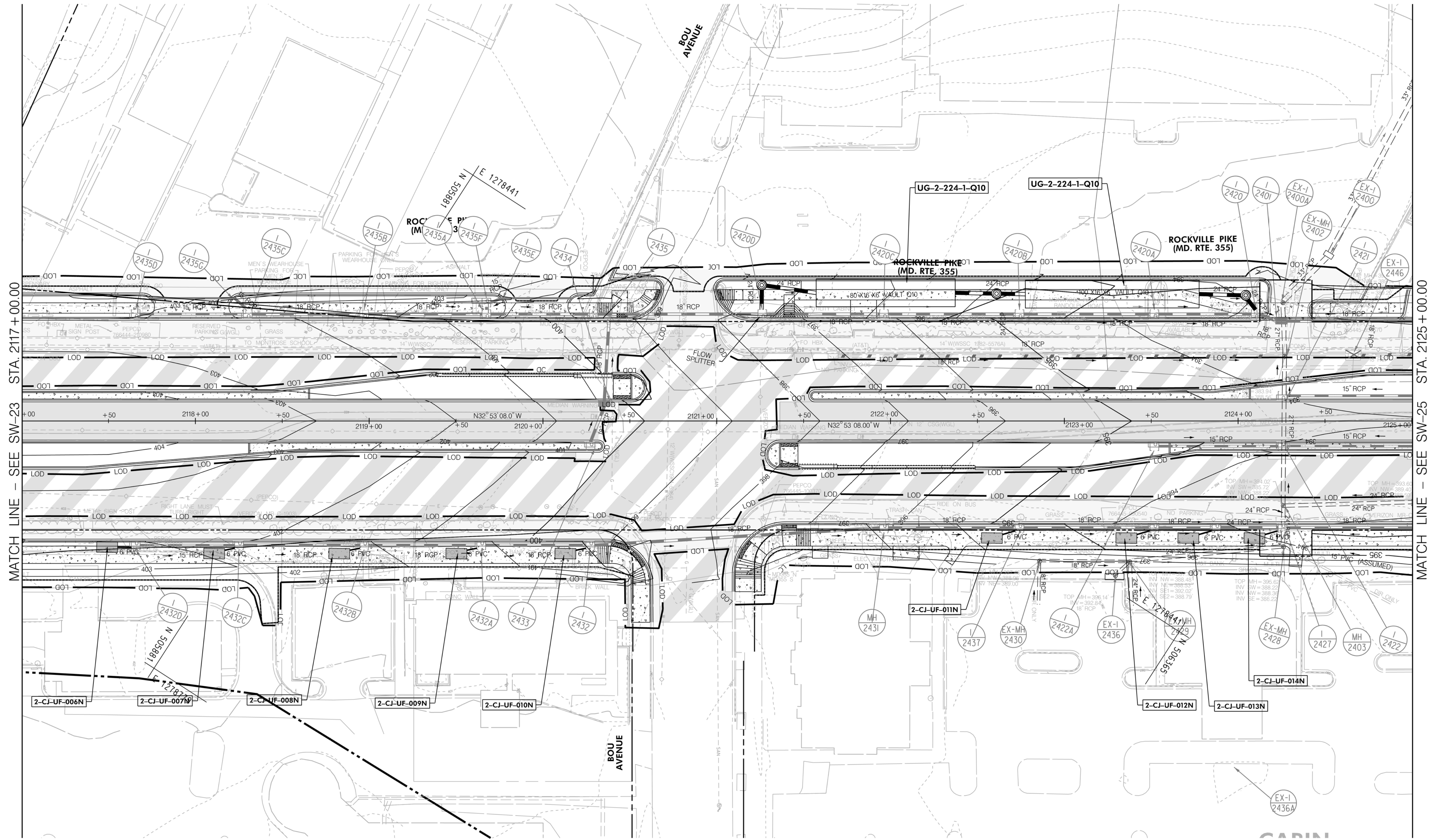
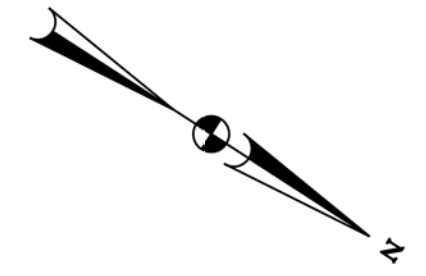
NO.	REVISION	DATE	BY

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 2
STORMWATER MANAGEMENT PLAN
MDE SC-25
SCALE : 1" = 30' DATE : DECEMBER 2022
Project No. : 502005 SHEET 312 of 887

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MATCH LINE - SEE SW-23 STA. 2117 + 00.00

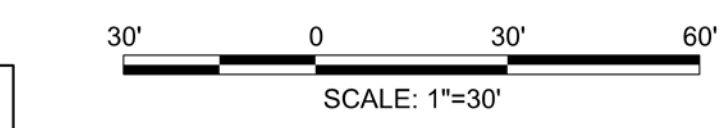
MATCH LINE - SEE SW-25 STA. 2125 + 00.00

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	



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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 GAITHERSBURG, MARYLAND

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 Chief, Design Section
 APPROVED
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 Chief, Division of Transportation Engineering
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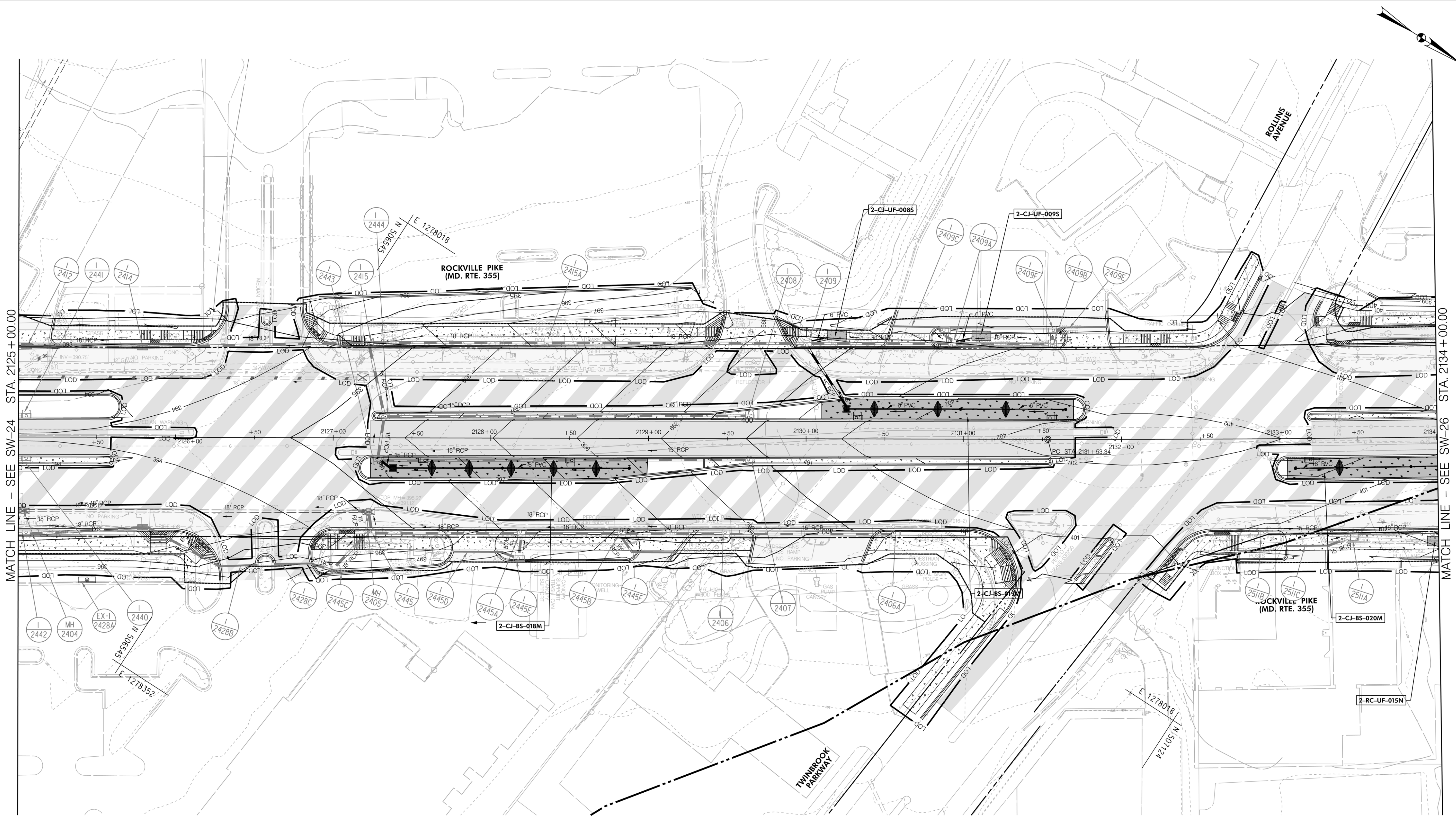
MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-26

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 313 of 887

SW-24

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SW-25

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	

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 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

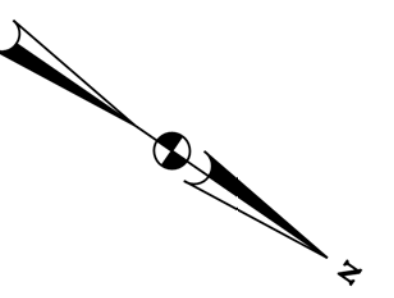
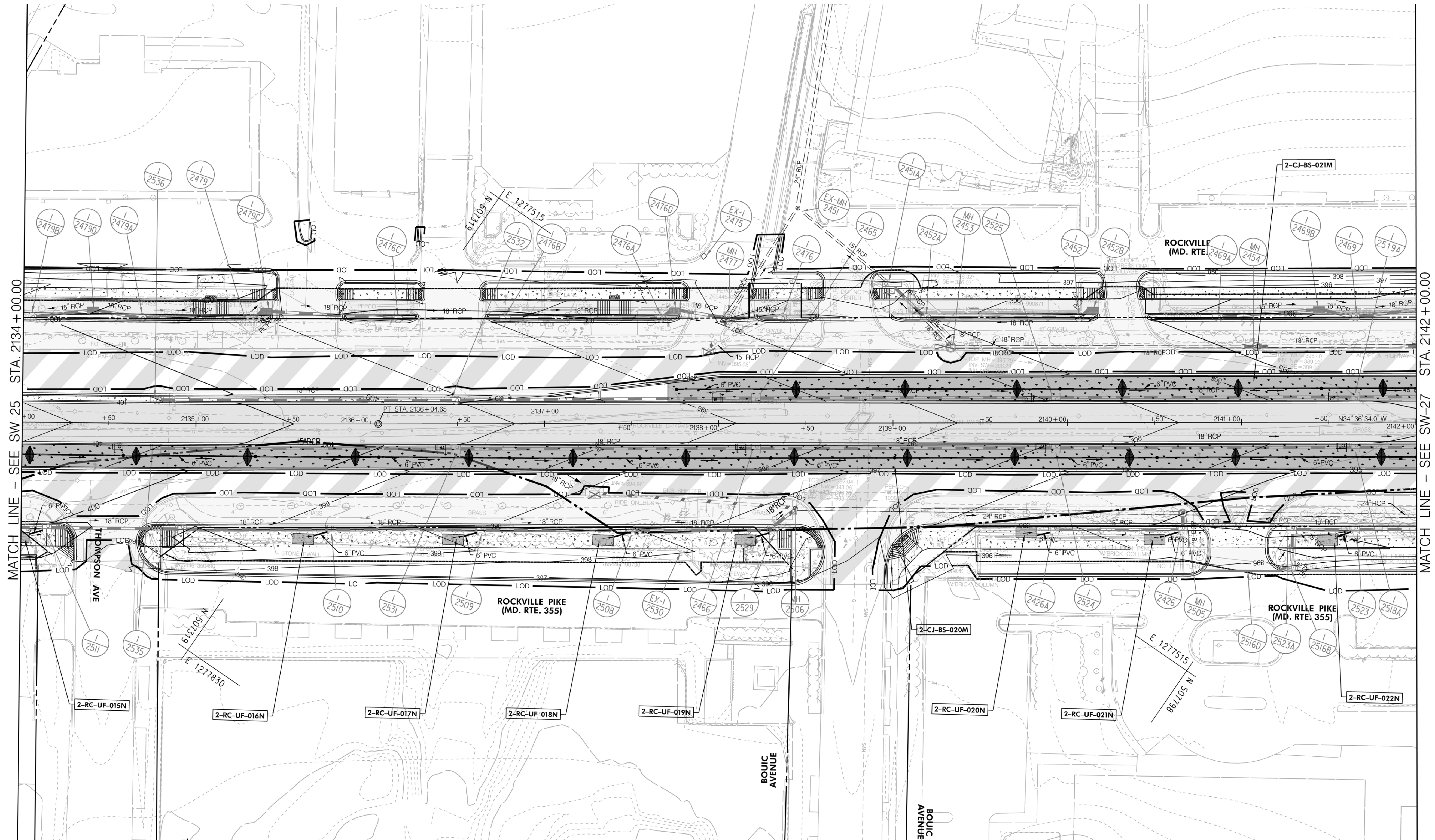
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-27

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 314 of 887

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MATCH LINE - SEE SW-25 STA. 2134+00.00

MATCH LINE - SEE SW-27 STA. 2142+00.00

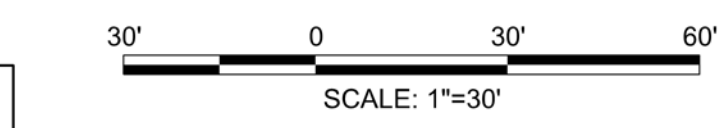
SW-26

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	

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NO.	REVISION	DATE	BY

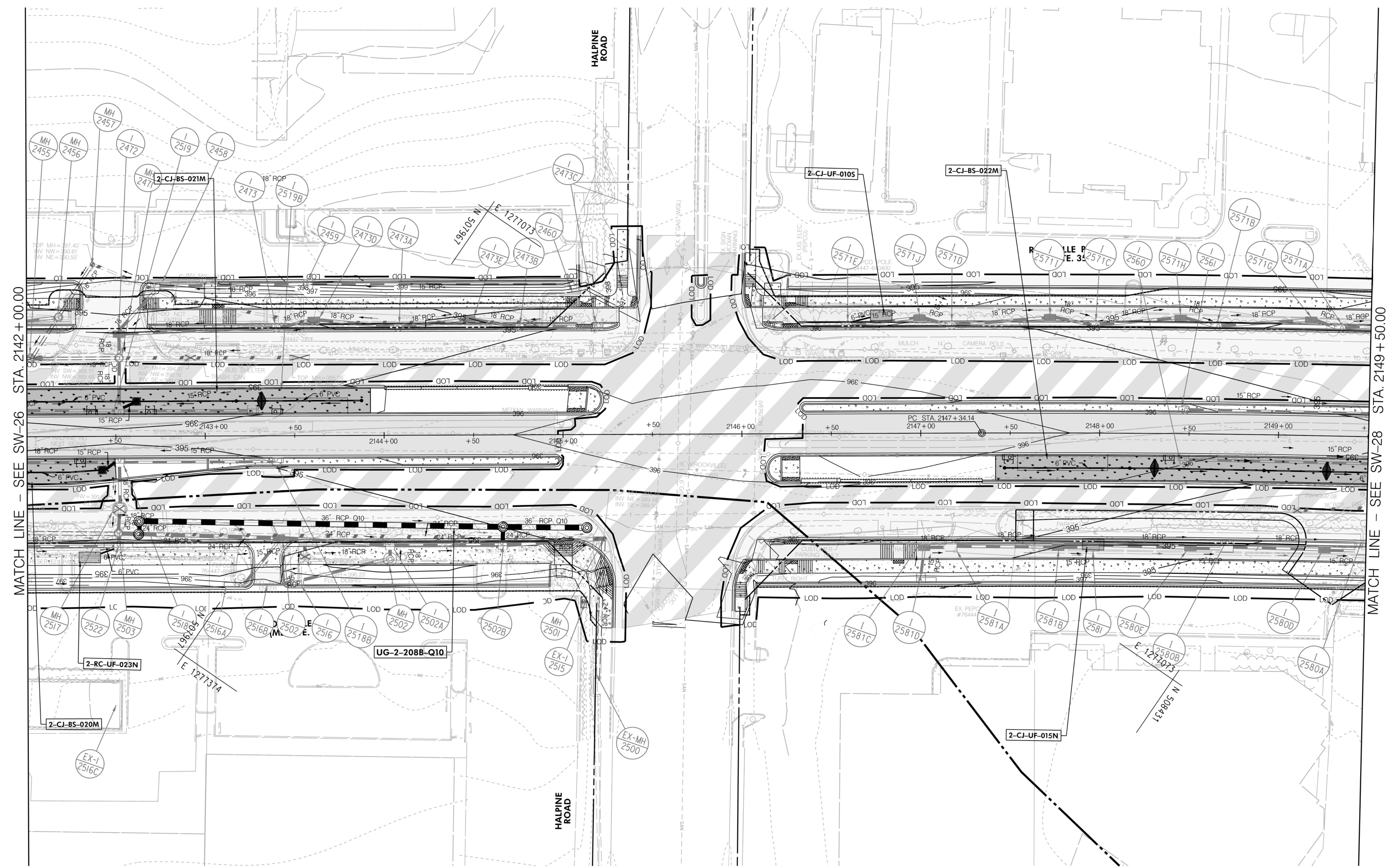
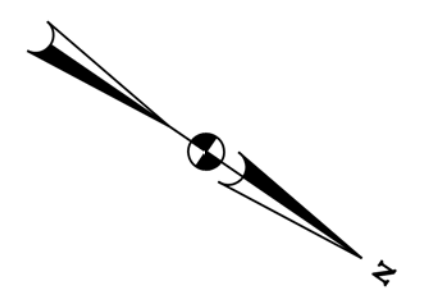
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

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 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 2
 STORMWATER MANAGEMENT PLAN**
 MDE SC-28

SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 315 of 887

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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	



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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 GAITHERSBURG, MARYLAND

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 Chief, Design Section

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

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

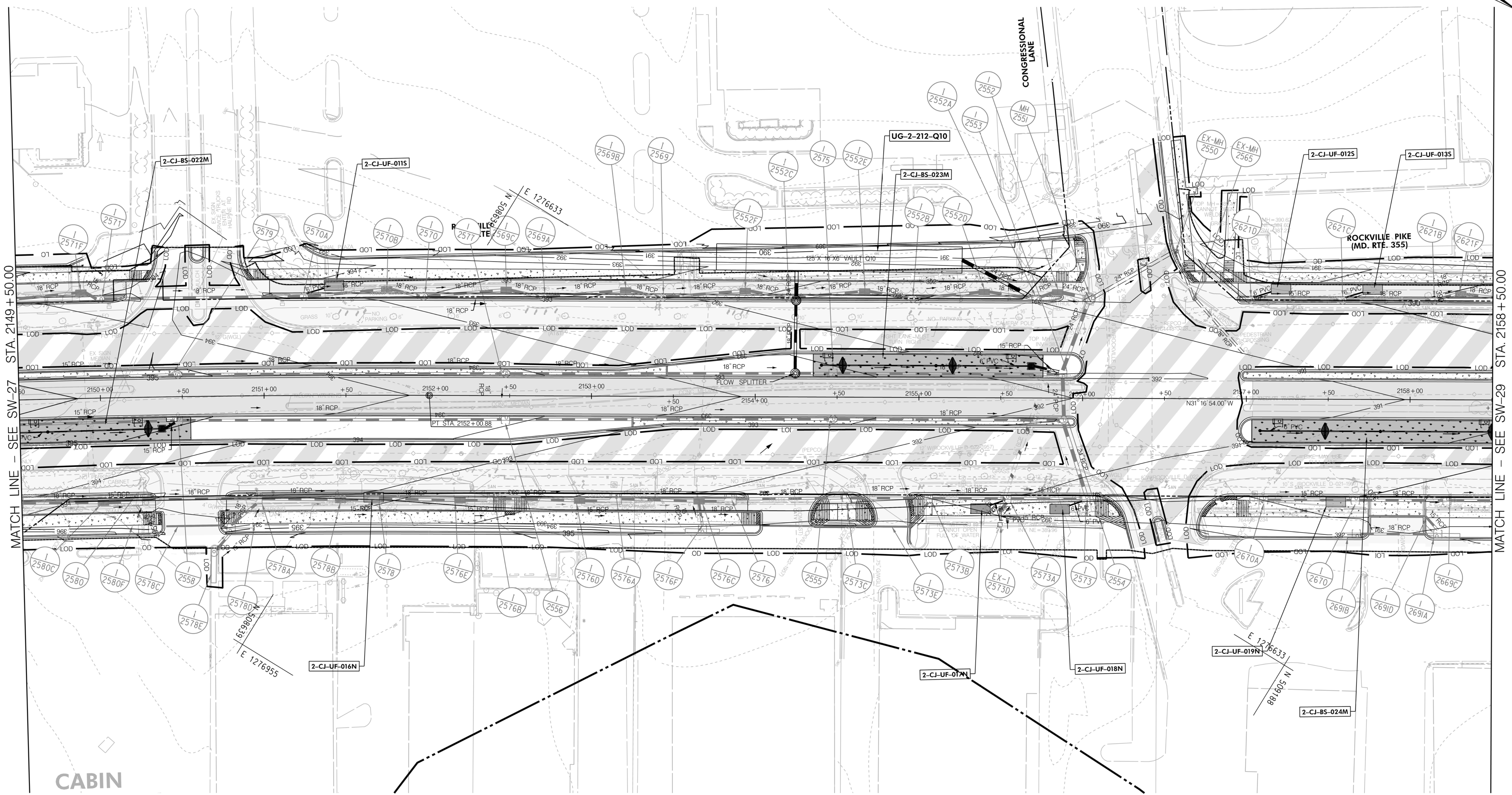
MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-29

SCALE: 1" = 30' DATE: DECEMBER 2022

Project No. : 502005 SHEET 316 of 887

SW-27

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MATCH LINE - SEE SW-27 STA. 2149+50.00

MATCH LINE - SEE SW-29 STA. 2158+50.00

CABIN

SW-28

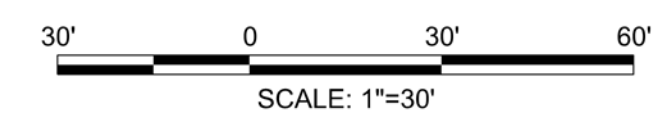
LEGEND

- 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



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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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Chief, Design Section

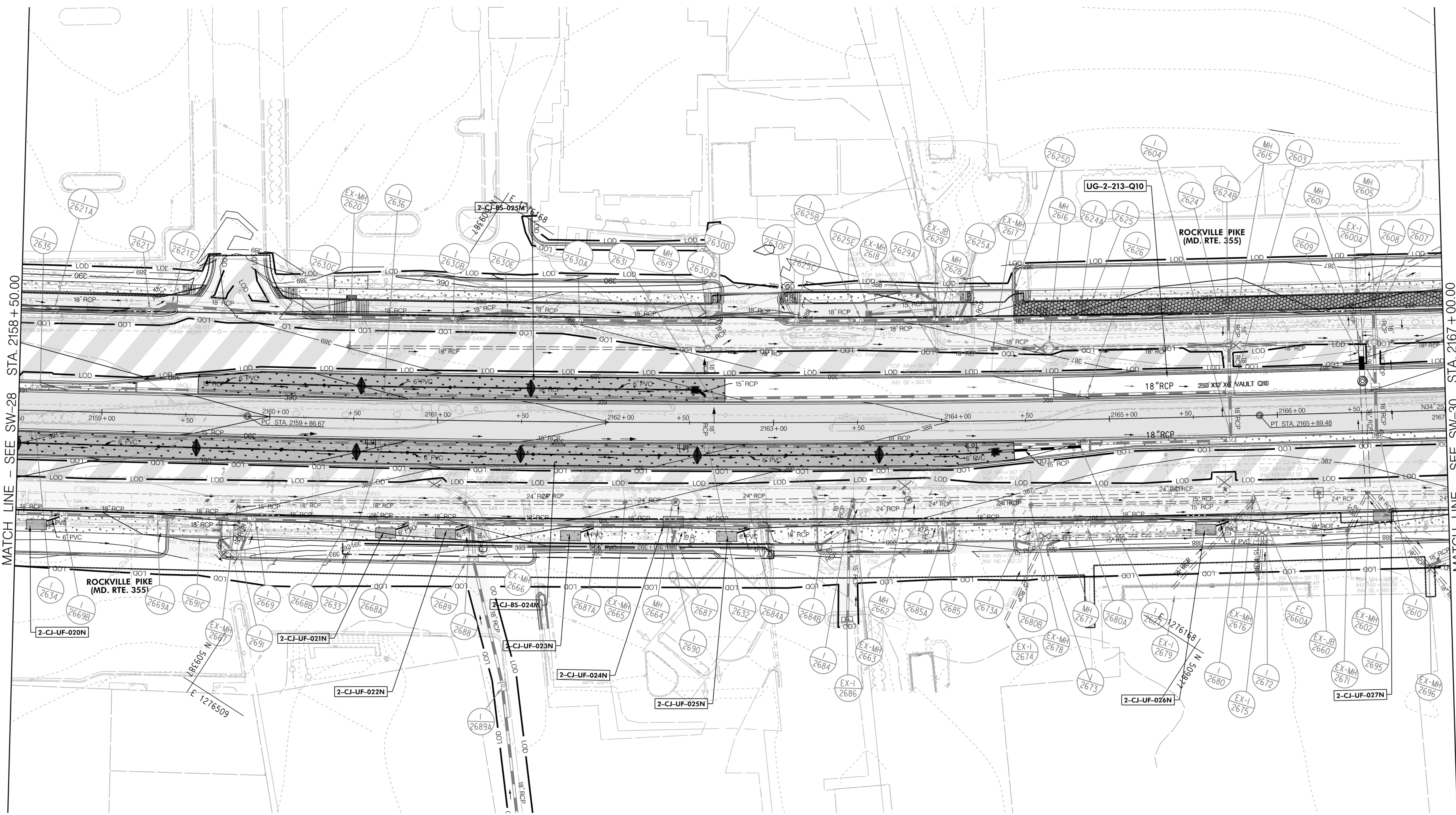
APPROVED
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering

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

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 2
STORMWATER MANAGEMENT PLAN
MDE SC-30

SCALE : 1" = 30' DATE : DECEMBER 2022
Project No. : 502005 SHEET 317 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Sheet Files\SMM Plan View 20 - 30 Scale



MATCH LINE - SEE SW-28 STA. 2158+50.00

MATCH LINE - SEE SW-30 STA. 2167+00.00

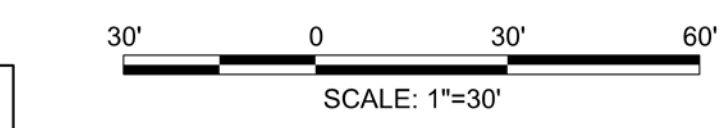
SW-29

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	



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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 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

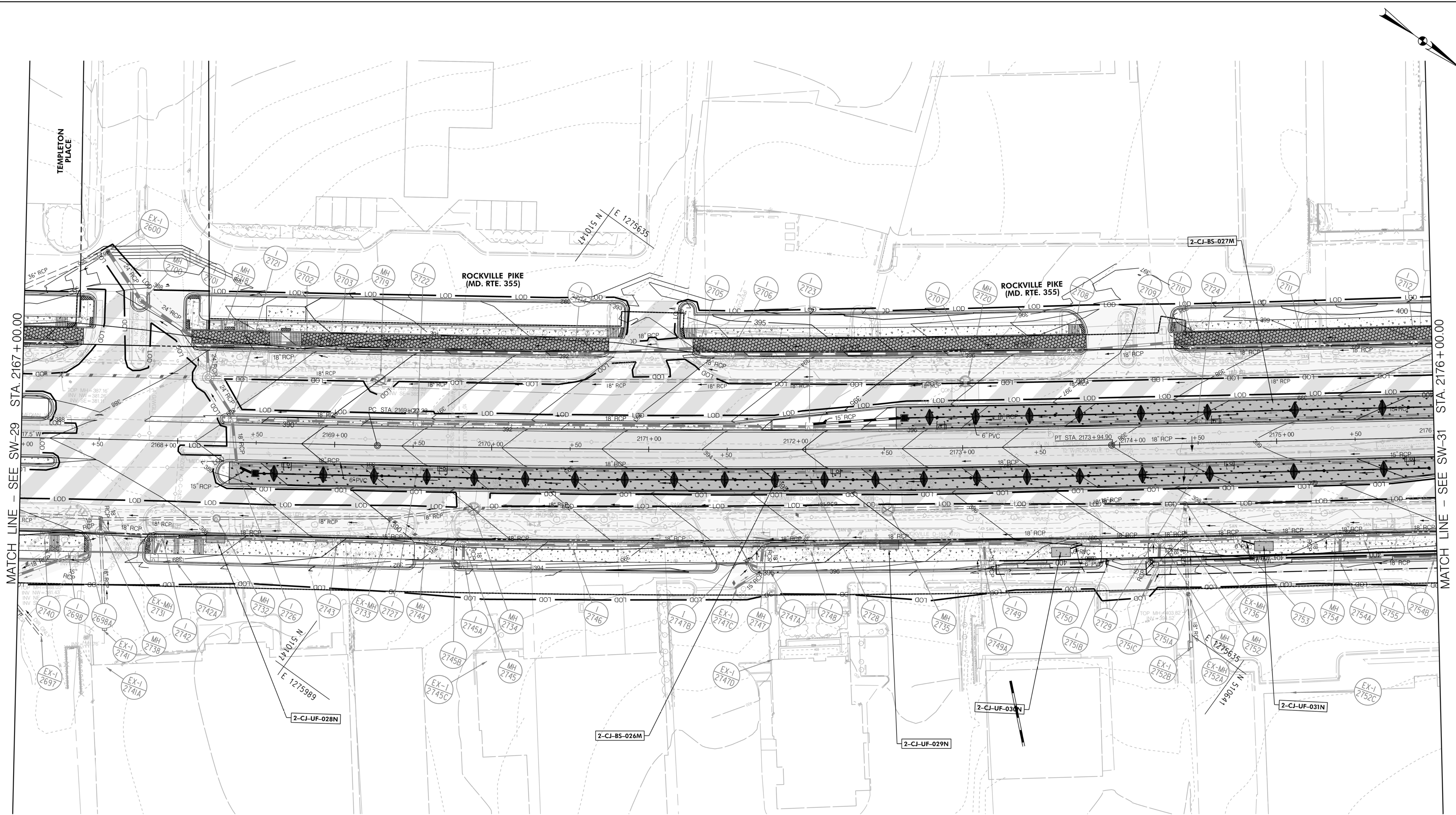
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-31

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 318 of 887

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MATCH LINE - SEE SW-29 STA. 2167 + 00.00

MATCH LINE - SEE SW-31 STA. 2176 + 00.00

SW-30

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]

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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

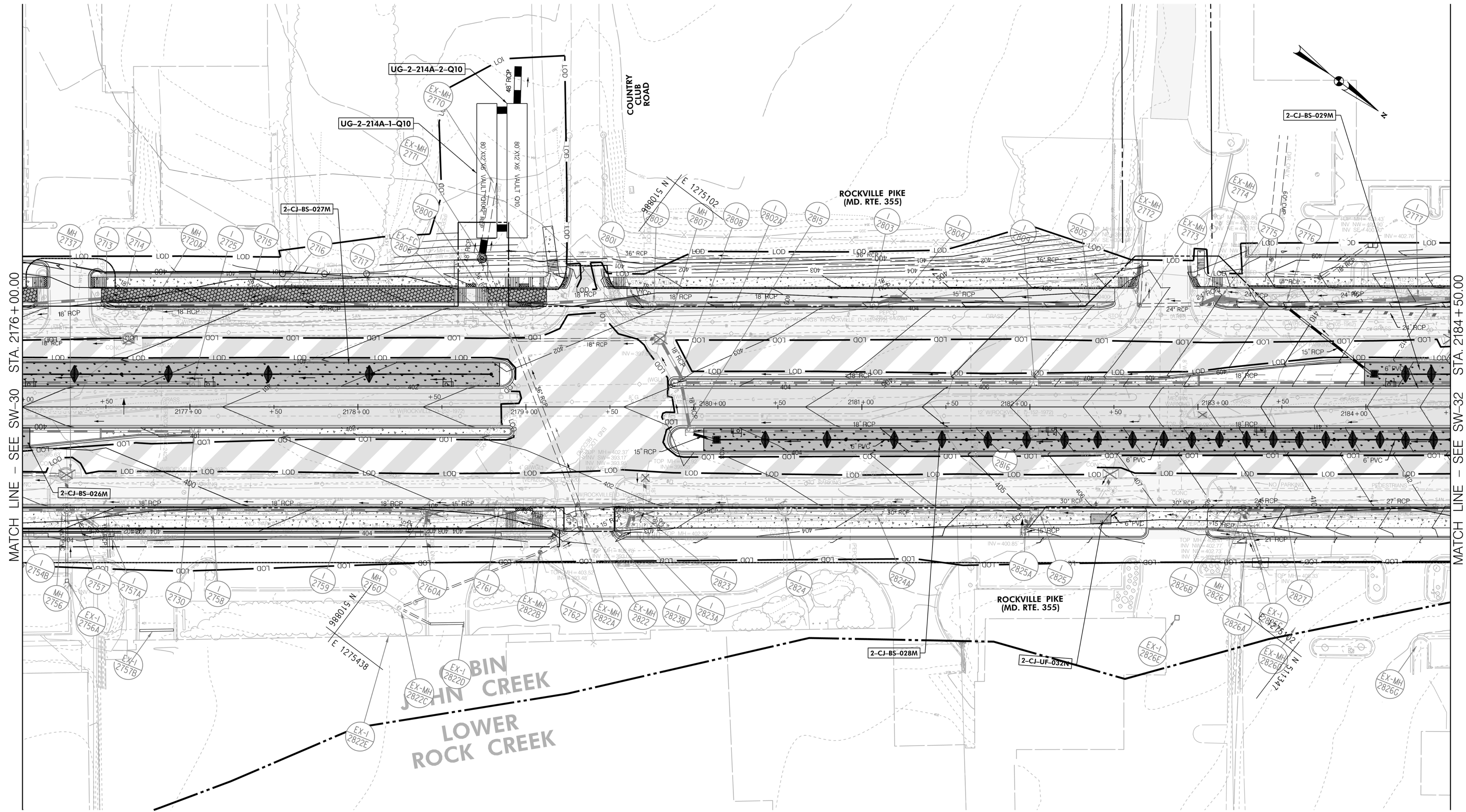
RECOMMENDED FOR APPROVAL
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Design Section
APPROVED
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 2
STORMWATER MANAGEMENT PLAN
MDE SC-32

SCALE: 1" = 30' DATE: DECEMBER 2022

Project No. : 502005 SHEET 319 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Sheet Files\SWM Plan View 22 - 30 Scale



MATCH LINE - SEE SW-30 STA. 2176 + 00.00

MATCH LINE - SEE SW-32 STA. 2184 + 50.00

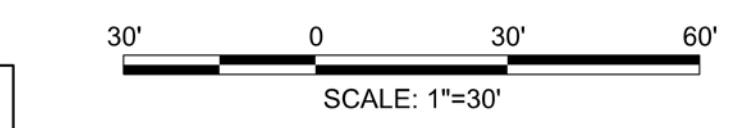
SW-31

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	



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NO.	REVISION	DATE	BY

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

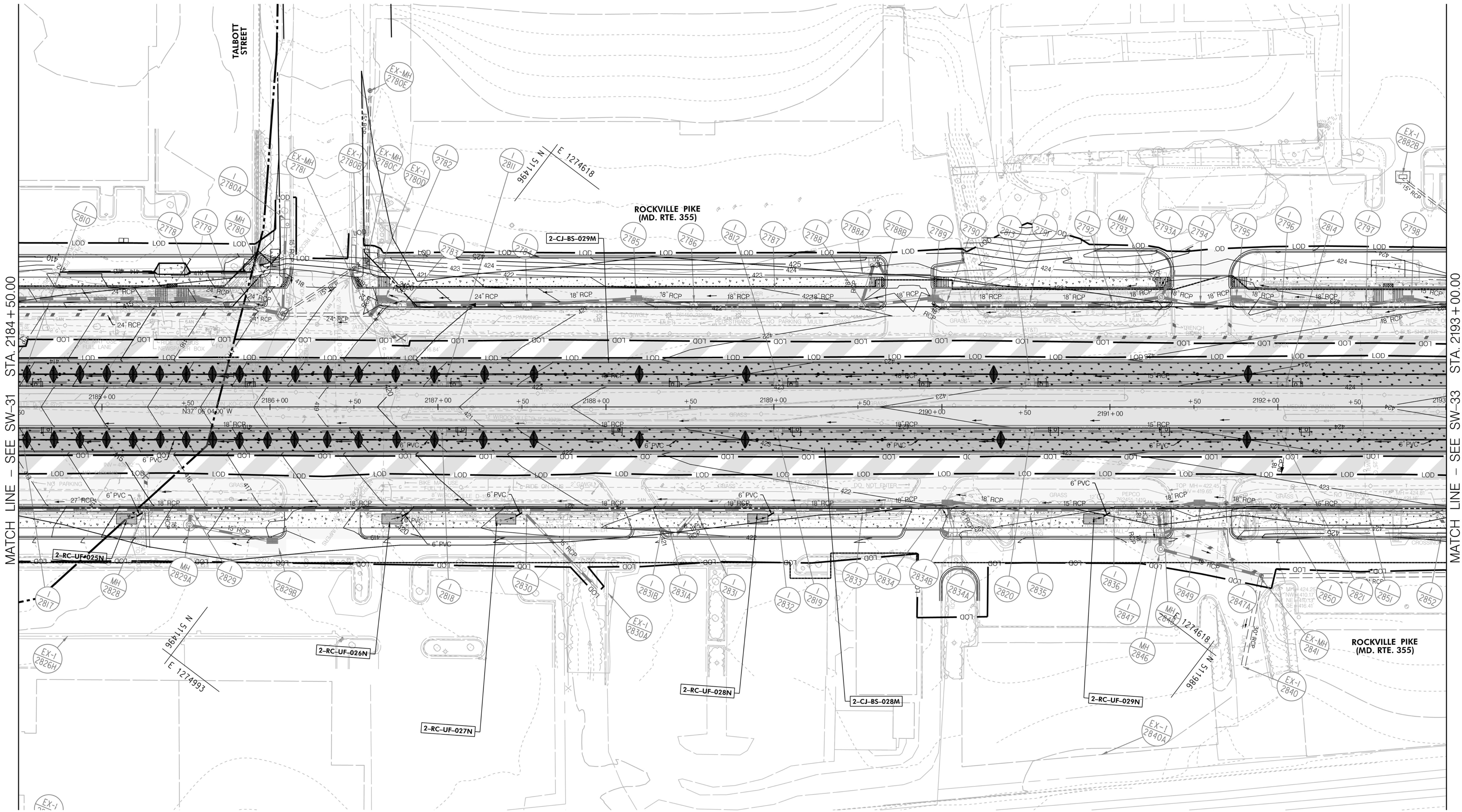
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-33

SCALE : 1" = 30' DATE : DECEMBER 2022

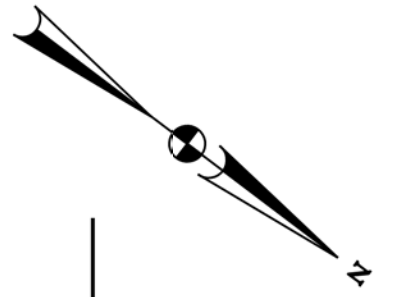
Project No. : 502005 SHEET 320 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Sheet Files\SMM Plan View 23 - 30 Scale



MATCH LINE - SEE SW-31 STA. 2184+50.00

MATCH LINE - SEE SW-33 STA. 2193+00.00

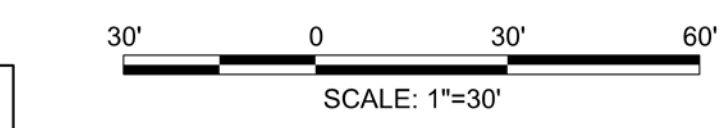


LEGEND

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]



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NO.	REVISION	DATE	BY

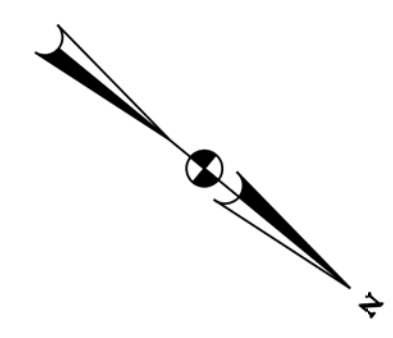
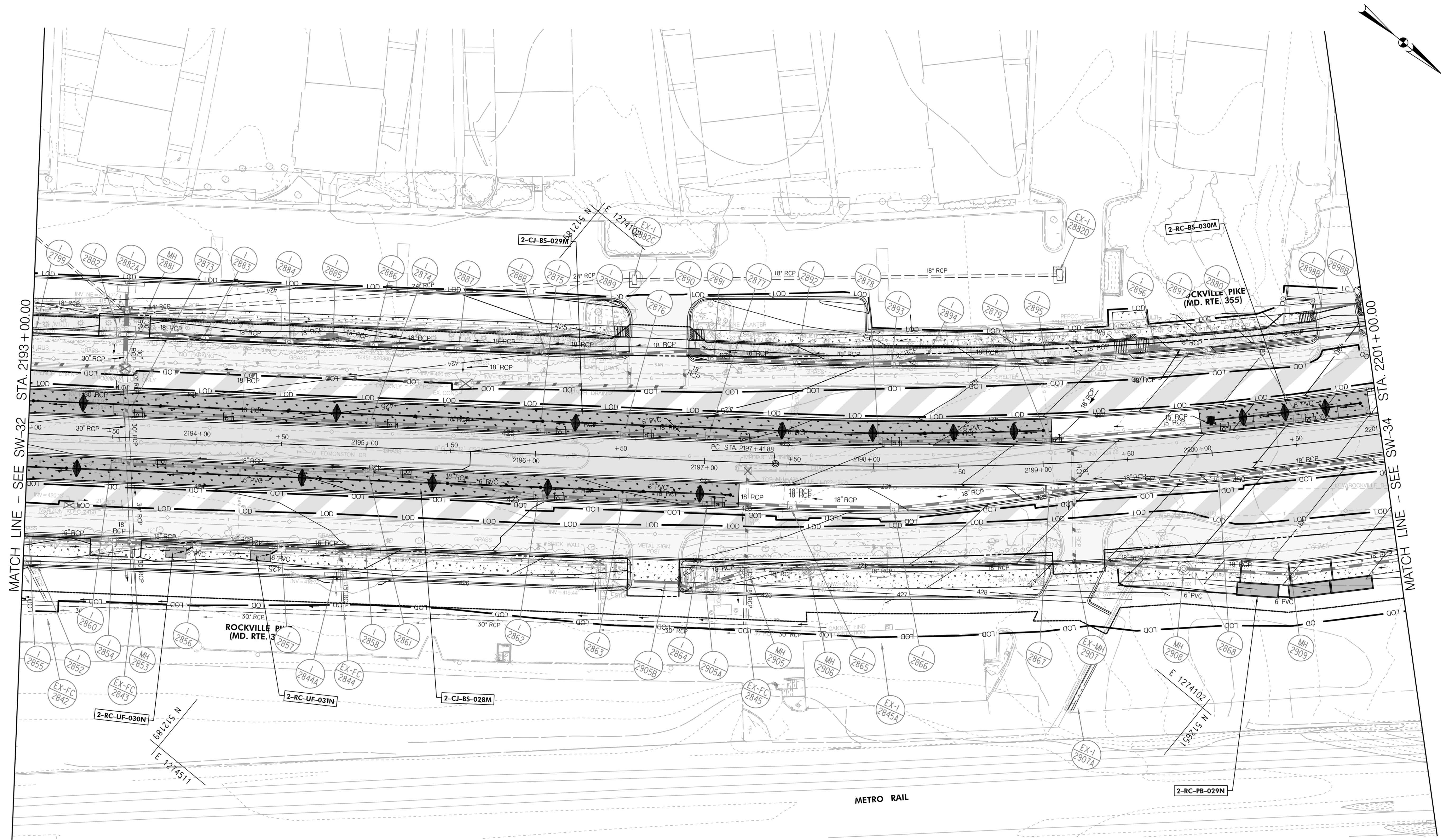
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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GAITHERSBURG, MARYLAND

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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 2
STORMWATER MANAGEMENT PLAN
MDE SC-34
SCALE : 1" = 30' DATE : DECEMBER 2022
Project No. : 502005 SHEET 321 of 887

SW-32

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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	



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 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

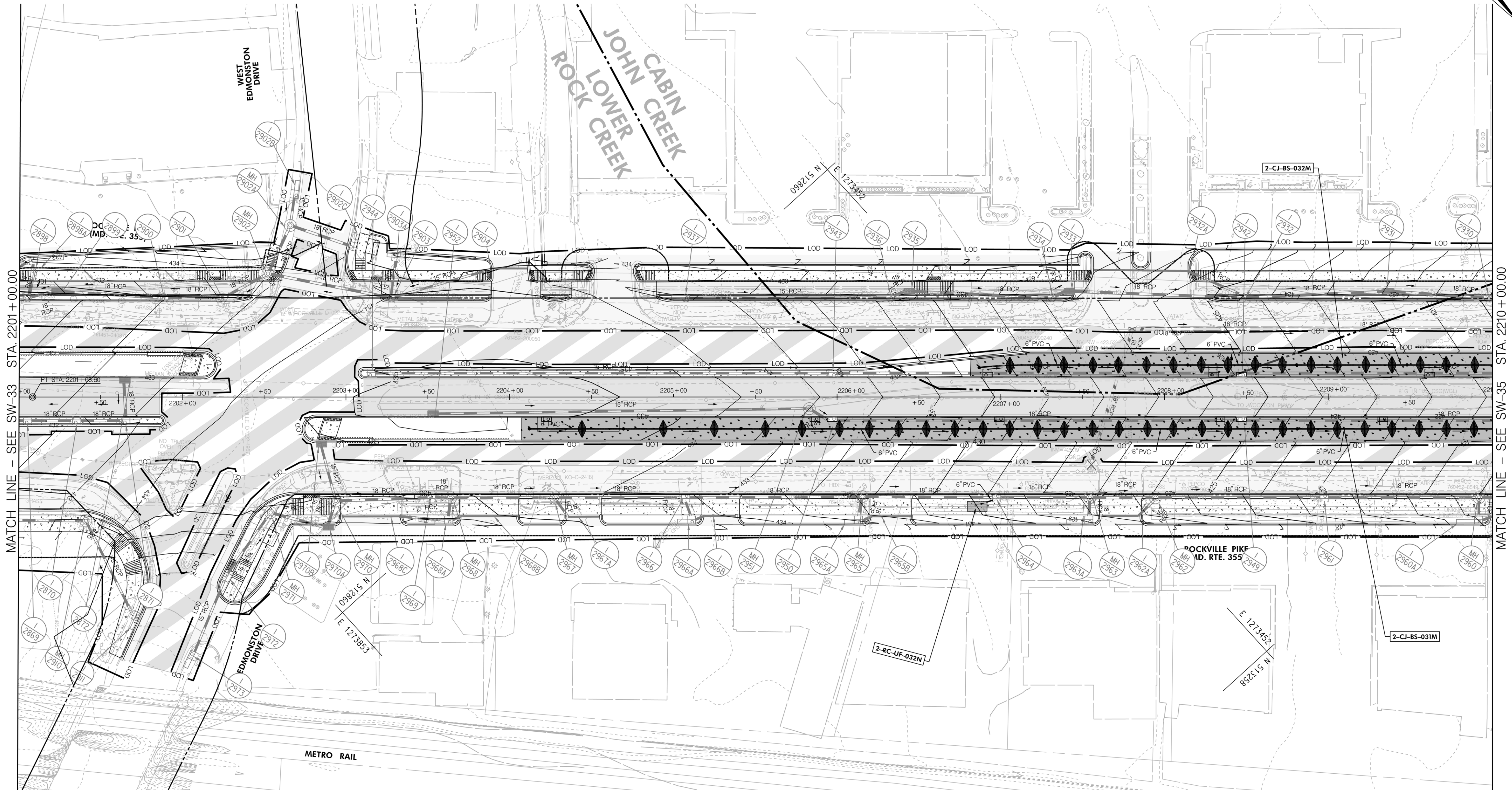
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 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
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MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-35

SCALE: 1" = 30' DATE: DECEMBER 2022
 Project No.: 502005 SHEET 322 of 887

SW-33

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MATCH LINE - SEE SW-35 STA. 2210+00.00

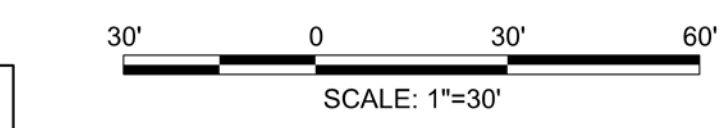
SW-34

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	



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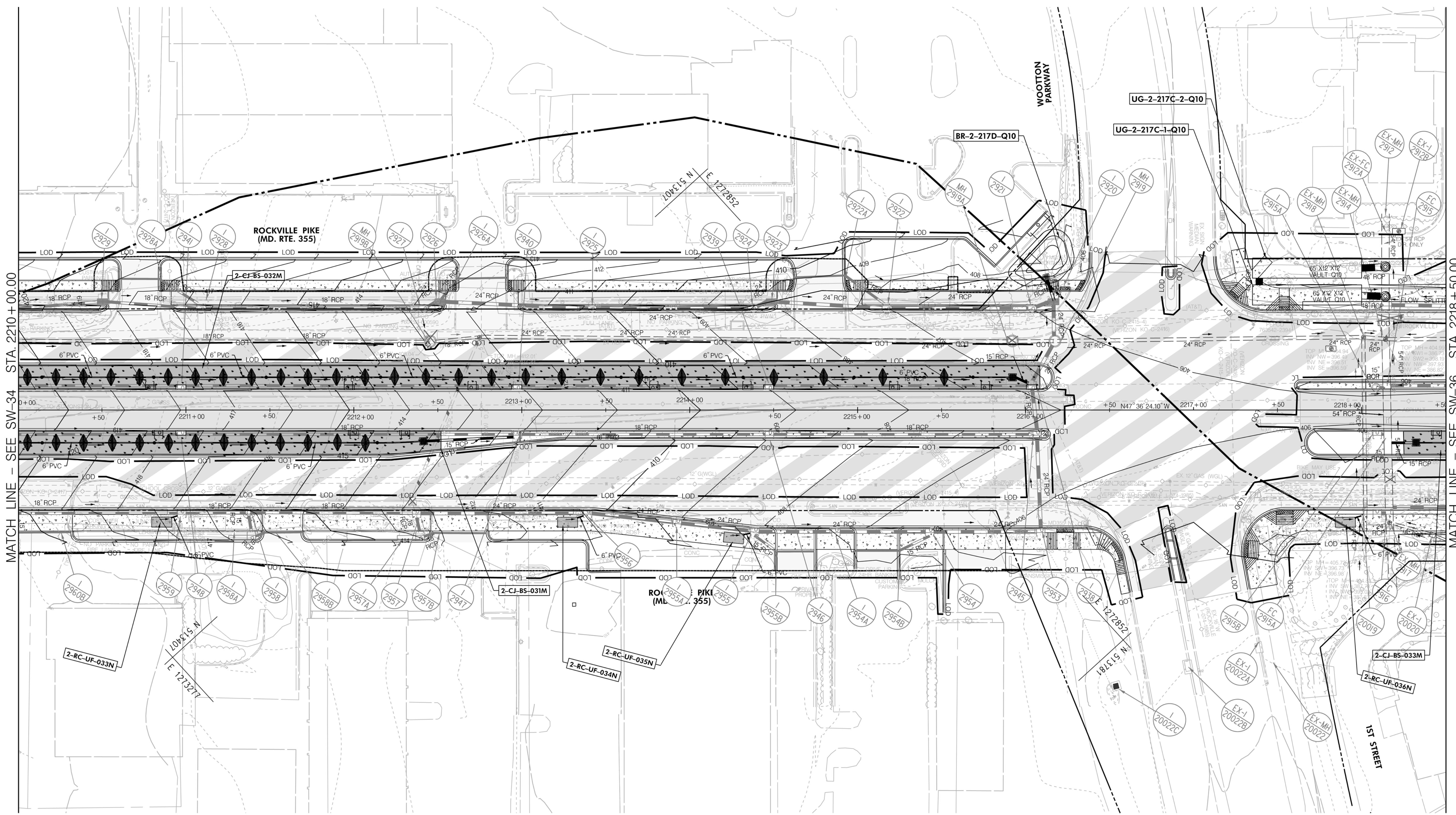
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Chief, Division of Transportation Engineering
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MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 2
STORMWATER MANAGEMENT PLAN
MDE SC-36
SCALE : 1" = 30' DATE : DECEMBER 2022
Project No. : 502005 SHEET 323 of 887

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MATCH LINE - SEE SW-36 STA. 2218+50.00

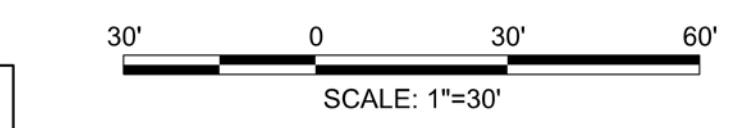
SW-35

LEGEND

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IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
PROPOSED PERM. PAVEMENT	
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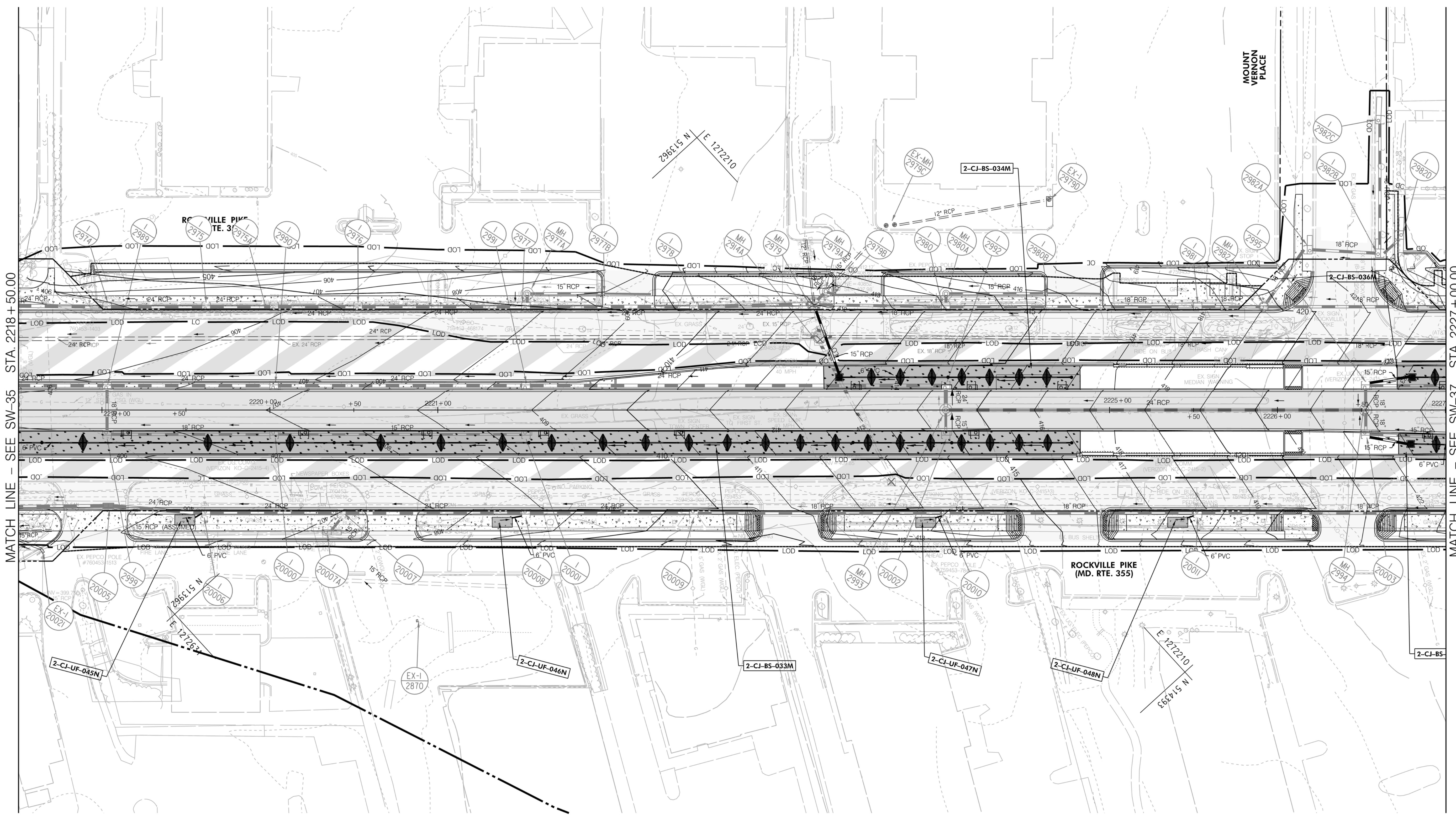
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 Chief, Division of Transportation Engineering
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MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN
 MDE SC-37

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 324 of 887

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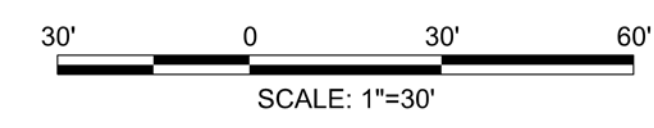
SW-36

LEGEND

- IMPERVIOUS SURF. AREA FULL
- IMPERVIOUS SURF. AREA MILL
- PROPOSED BIO-SWALES
- PROPOSED PLANTER BOXES
- PROPOSED FILTERS
- PROPOSED PERM. PAVEMENT
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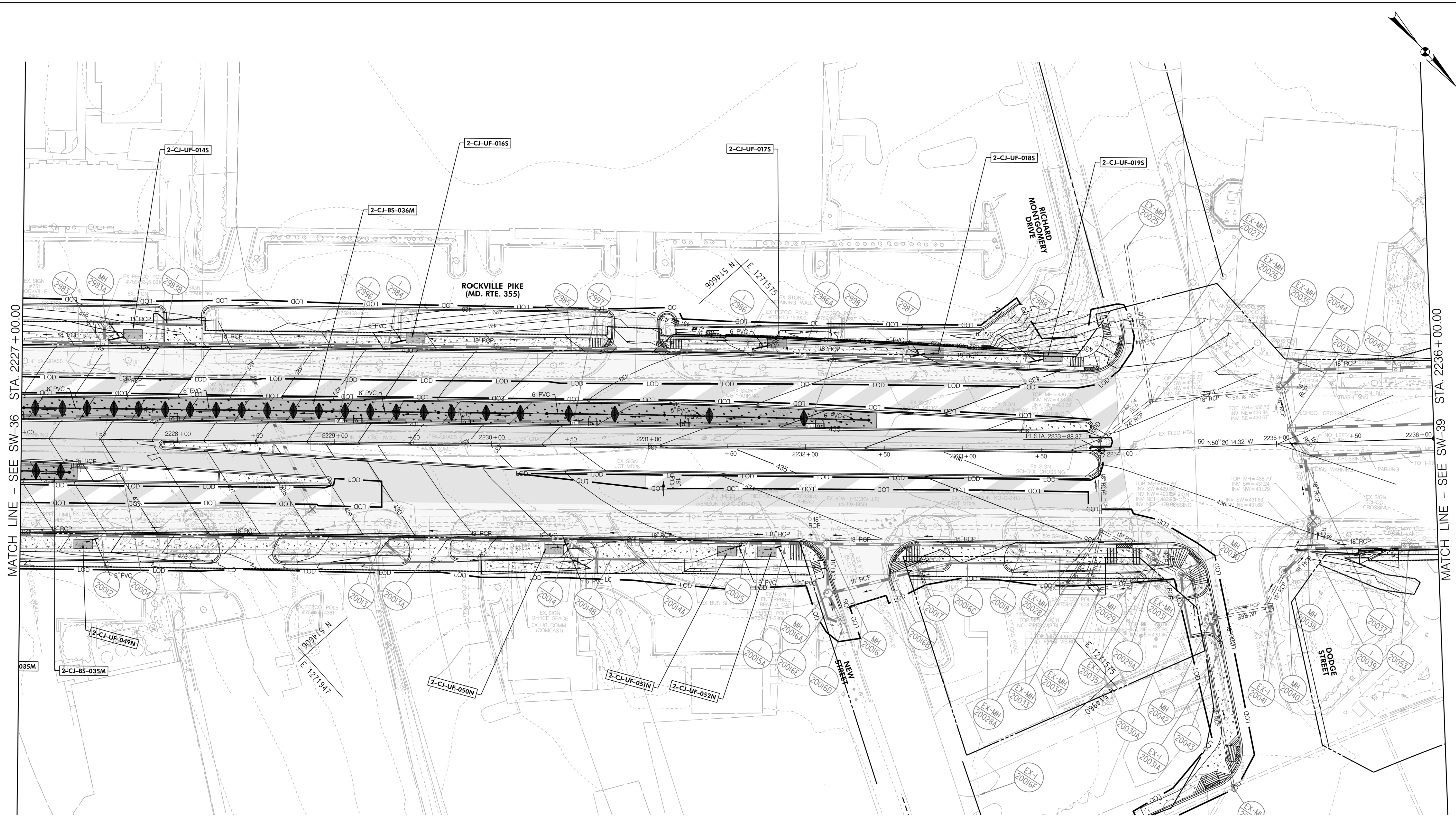
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MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 2
STORMWATER MANAGEMENT PLAN
MDE SC-38

SCALE : 1" = 30' DATE : DECEMBER 2022
Project No. : 502005 SHEET 325 of 887

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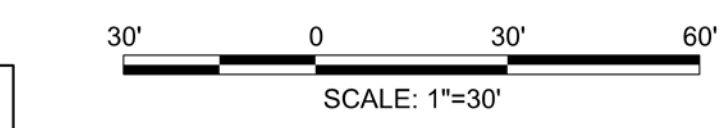
SW-37

LEGEND

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PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
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**MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 2
 STORMWATER MANAGEMENT PLAN**
 MDE SC-39

SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 326 of 887

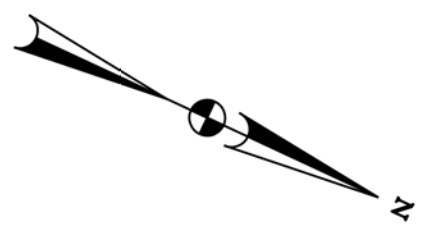
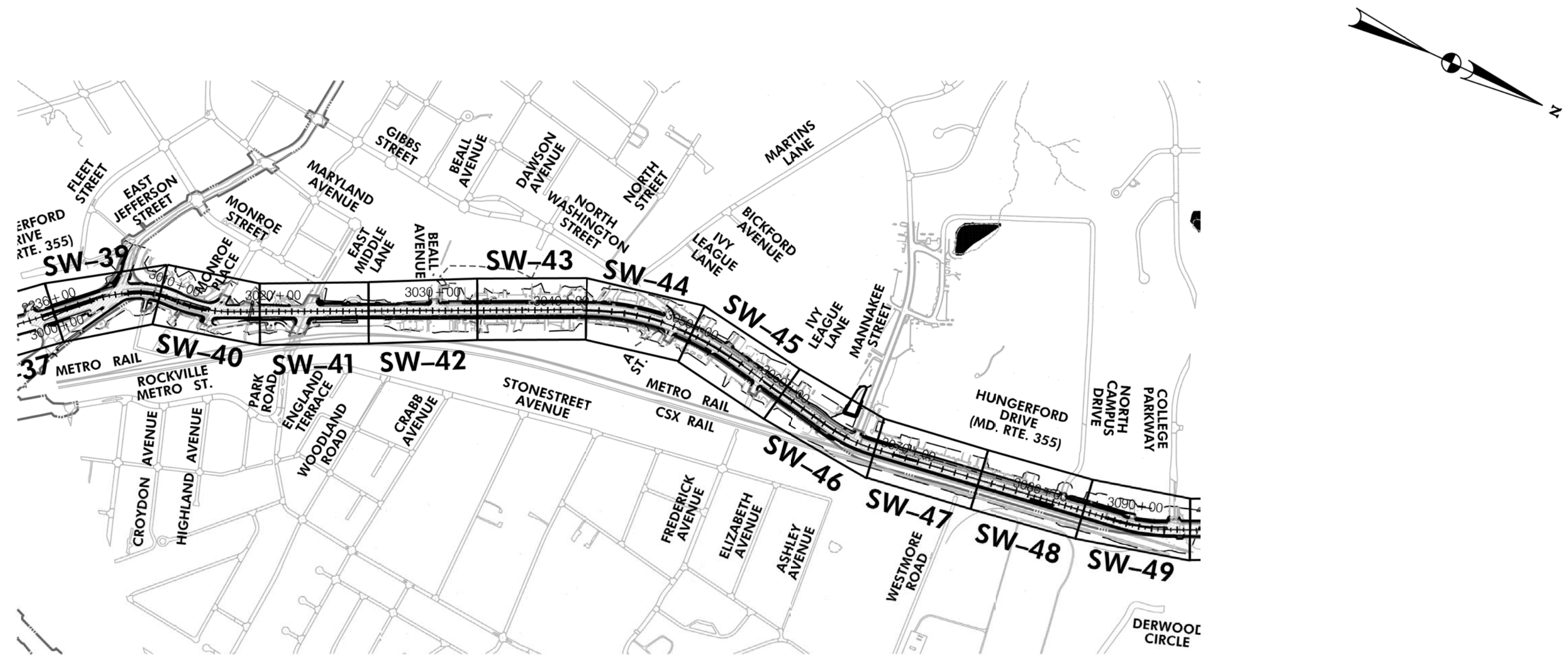


Table 1: MD-355 BRT (35% Design) ESDv Facilities

Station	Side of Road	POI/LOI	Watershed	BMP Types	BMP ID	IART Managed (ac)	Credited ESDv (cf)
3006+00	S	3-300	CABIN JOHN	Planter Box	3-CJ-PB-001S	0.10	803
3006+50	S	3-300	CABIN JOHN	Planter Box	3-CJ-PB-002S	0.25	420
3054+10	N	3-302	ROCK CREEK	Underground Filter	3-RC-UF-002N	0.31	1,069
3052+00	N	3-301	ROCK CREEK	Underground Filter	3-RC-UF-001N	0.19	660
3055+10	N	3-302	ROCK CREEK	Underground Filter	3-RC-UF-003N	0.18	619
3055+40	S	3-302	ROCK CREEK	Underground Filter	3-RC-UF-001S	0.12	419
3056+30	S	3-302	ROCK CREEK	Underground Filter	3-RC-UF-002S	0.13	447
3000+55	S	2-300	CABIN JOHN	Underground Filter	3-CJ-UF-007S	0.07	252
3001+20	S	2-300	CABIN JOHN	Underground Filter	3-CJ-UF-008S	0.07	252
3002+00	S	2-300	CABIN JOHN	Underground Filter	3-CJ-UF-011S	0.10	355
3012+10	S	3-300	CABIN JOHN	Underground Filter	3-CJ-UF-001S	0.10	342
3015+00	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-002S	0.23	768
3016+00	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-003S	0.16	546
3017+00	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-004S	0.21	699
3045+00	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-012S	0.22	741
3040+50	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-010S	0.24	814
3032+50	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-009S	0.40	1,372
3027+00	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-006S	0.28	959
3029+50	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-013S	0.24	831
3025+00	S	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-005S	0.33	1,106
3025+10	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-004N	0.15	510
3023+20	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-003N	0.13	430
3021+00	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-002N	0.16	548
3043+80	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-006N	0.35	1,185
3054+20	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-007N	0.12	419
3022+00	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-005N	0.16	547
3045+25	N	3-301	CABIN JOHN	Underground Filter	3-CJ-UF-008N	0.39	1,310
3061+00	S	3-302	POTOMAC RIVER	Underground Filter	3-PR-UF-013S	0.12	404
3064+65	S	3-302	POTOMAC RIVER	Underground Filter	3-PR-UF-001S	0.08	269
3060+35	N	3-302	POTOMAC RIVER	Underground Filter	3-PR-UF-001N	0.30	1,009
3062+35	N	3-302	POTOMAC RIVER	Underground Filter	3-PR-UF-003N	0.23	778
3061+60	N	3-302	POTOMAC RIVER	Underground Filter	3-PR-UF-002N	0.12	415
3005+25	S	3-102	CABIN JOHN	Bioswale	3-CJ-BS-001S	0.16	679
3087+50	M	3-110	ROCK CREEK	Bioswale	3-RC-BS-002M	0.25	1,435
3070+00	M	3-109	POTOMAC RIVER	Bioswale	3-PR-BS-001M	0.17	1,400
3079+00	S	3-110	ROCK CREEK	Porous Pavement	-	0.06	529
3081+50	S	3-110	ROCK CREEK	Porous Pavement	-	0.04	371
3086+00	S	3-110	ROCK CREEK	Porous Pavement	-	0.09	801
3090+00	S	4-198	ROCK CREEK	Porous Pavement	-	0.05	391
3081+00	N	3-110	ROCK CREEK	Porous Pavement	-	0.23	1,947
3090+00	N	4-198	ROCK CREEK	Porous Pavement	-	0.06	487
3067+50	S	3-107	POTOMAC RIVER	Porous Pavement	-	0.04	373
3069+00	S	3-109	POTOMAC RIVER	Porous Pavement	-	0.00	17
3069+75	S	3-110	POTOMAC RIVER	Porous Pavement	-	0.02	138
3072+50	S	3-110	POTOMAC RIVER	Porous Pavement	-	0.07	625
3076+00	S	3-110	POTOMAC RIVER	Porous Pavement	-	0.03	224
3067+25	N	3-107	POTOMAC RIVER	Porous Pavement	-	0.04	328
3071+50	N	3-110	POTOMAC RIVER	Porous Pavement	-	0.12	983

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
4052+00	NB	4-245	ROCK CREEK	Bioretention Pond	BR-4-245-Q10	N/A	1,282	3,000	4,282
5053+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)
3064+50	SB	POI-3-107	Potomac	Retrofit Detention Pond	RET-DET-3-107-Q10	15,000
3081+20	NB	POI-3-110	Rock Creek	42" RCP	UG-3-110-Q10	3,500

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

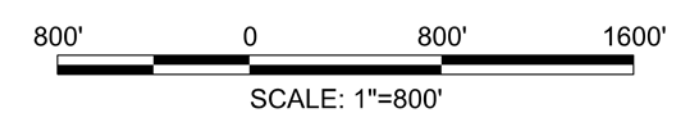
Total Per Watershed	IART Required (ac.)	IART Provided (ac.)	ESDv Required (cf)	ESDv Provided (cf)	10-YR Detention Storage Required (cf)	10-YR Detention Storage Provided
Cabin John	11.55	17.07	56,187	90,723	255,208	
Potomac	9.63	7.83	47,687	43,293	175,888	*Q10 is provided per POI/LOI as required
Rock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

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SW-38



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Chief, Division of Transportation Engineering

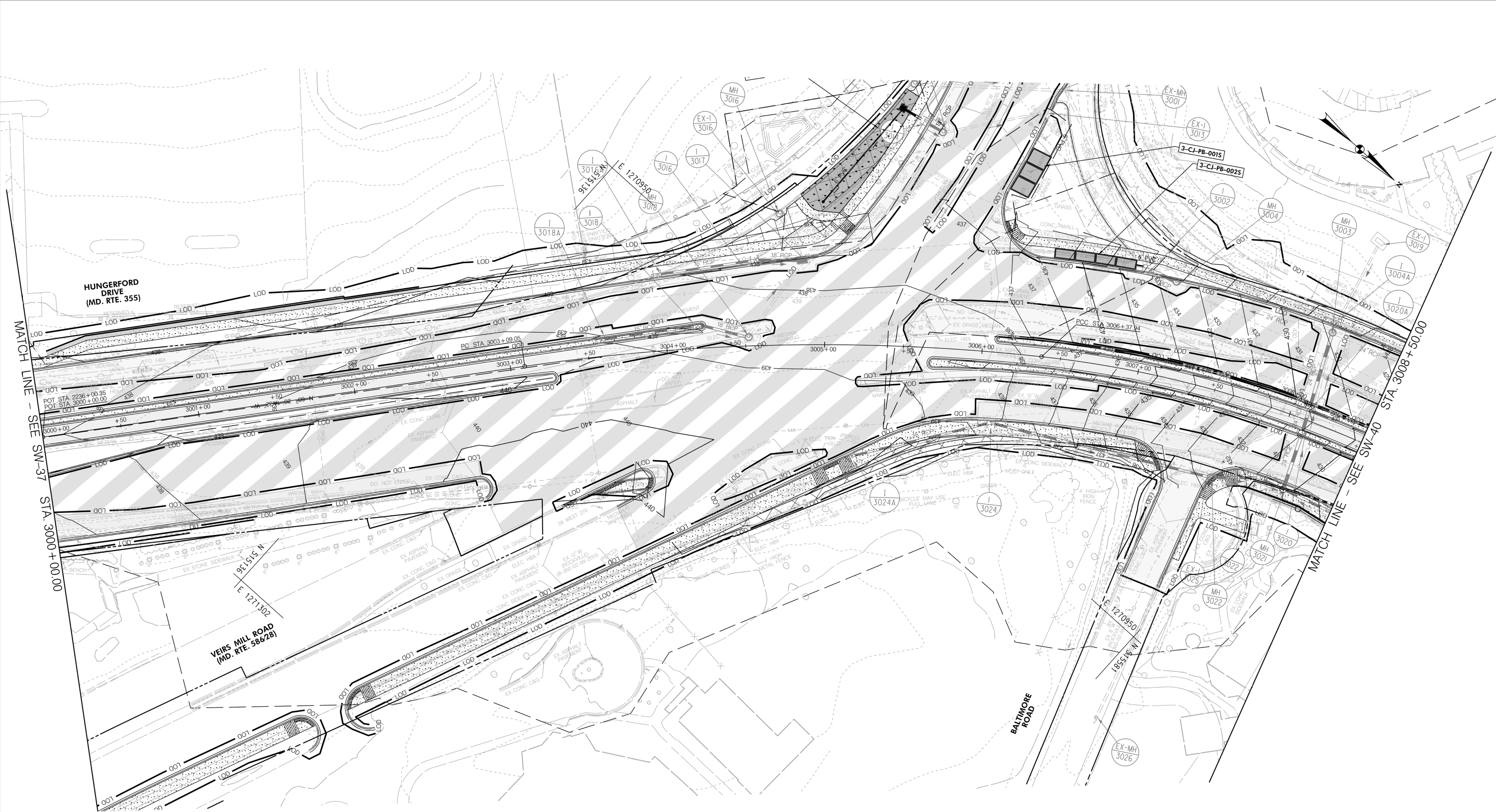
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MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT KEY MAP
MDE SC-40

SCALE : 1" = 800' DATE : DECEMBER 2022

Project No. : 502005 SHEET 327 of 887

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SW-39

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	
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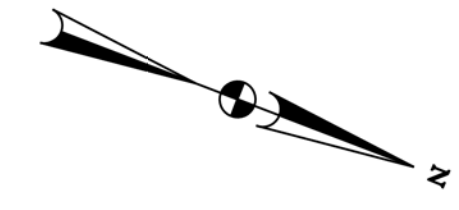
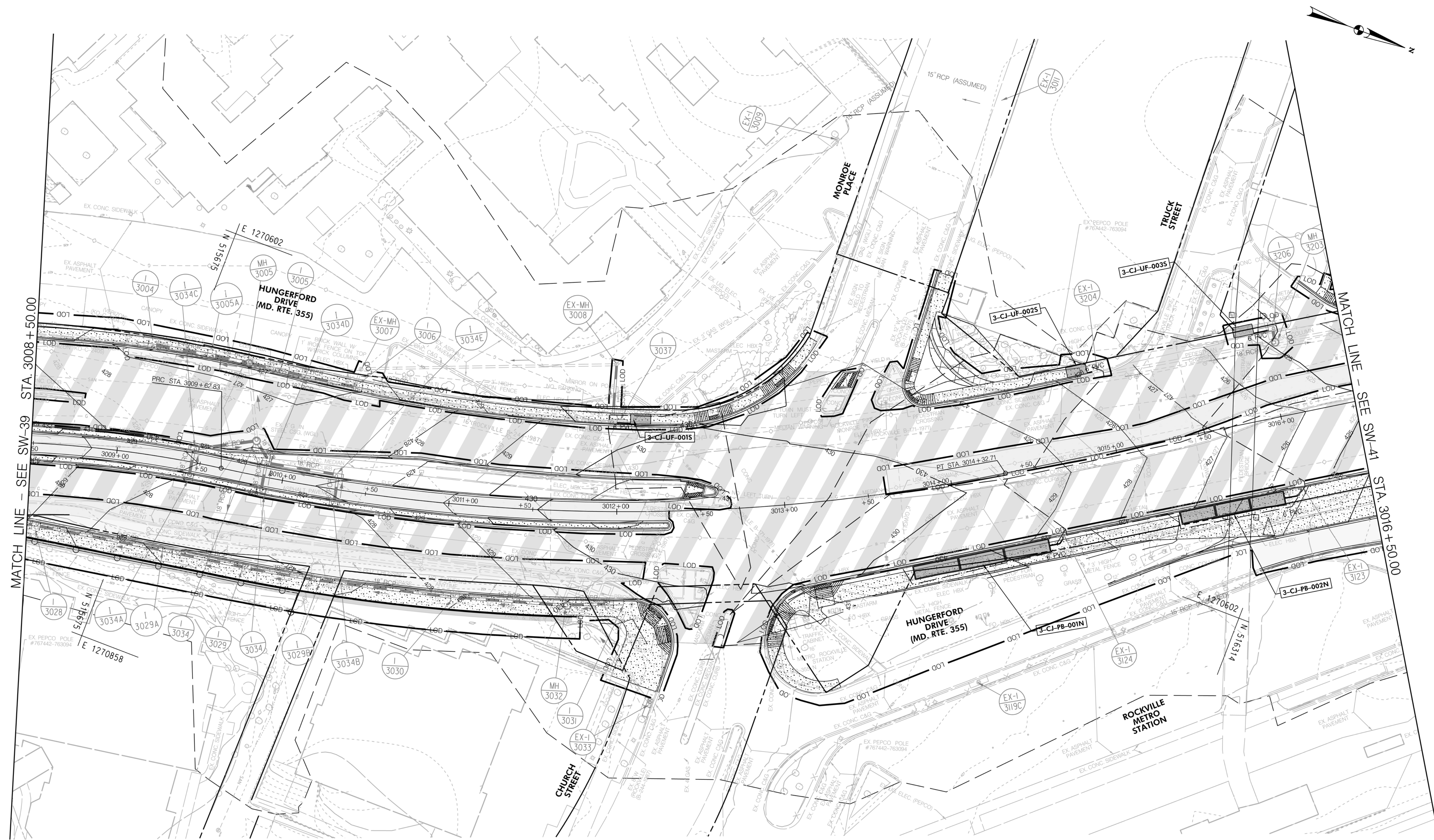
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 Chief, Division of Transportation Engineering
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**MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 3
 STORMWATER MANAGEMENT PLAN**
 MDE SC-41

SCALE : 1" = 30' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 328 of 887

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MATCH LINE - SEE SW-39 STA. 3008+50.00

MATCH LINE - SEE SW-41 STA. 3016+50.00

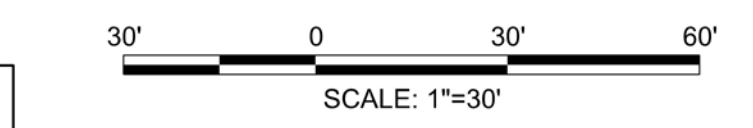
SW-40

LEGEND

IMPERVIOUS SURF. AREA FULL	
IMPERVIOUS SURF. AREA MILL	
PROPOSED BIO-SWALES	
PROPOSED PLANTER BOXES	
PROPOSED FILTERS	
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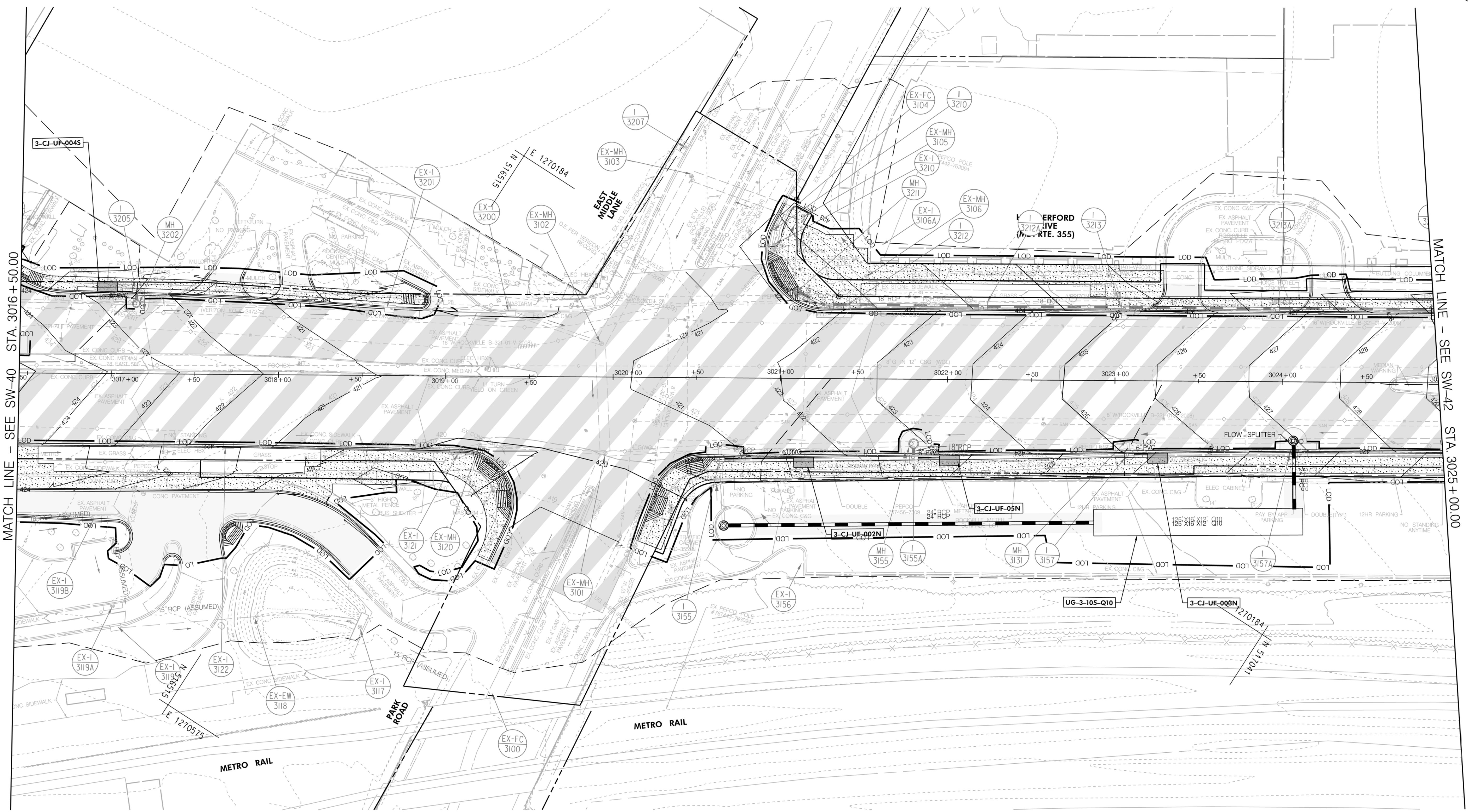
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MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT PLAN
MDE SC-42
SCALE: 1" = 30' DATE: DECEMBER 2022
Project No. : 502005 SHEET 329 of 887

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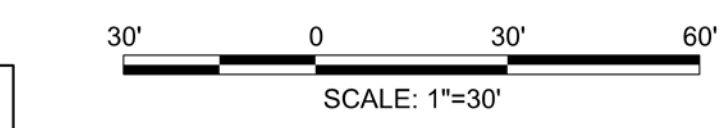
SW-41

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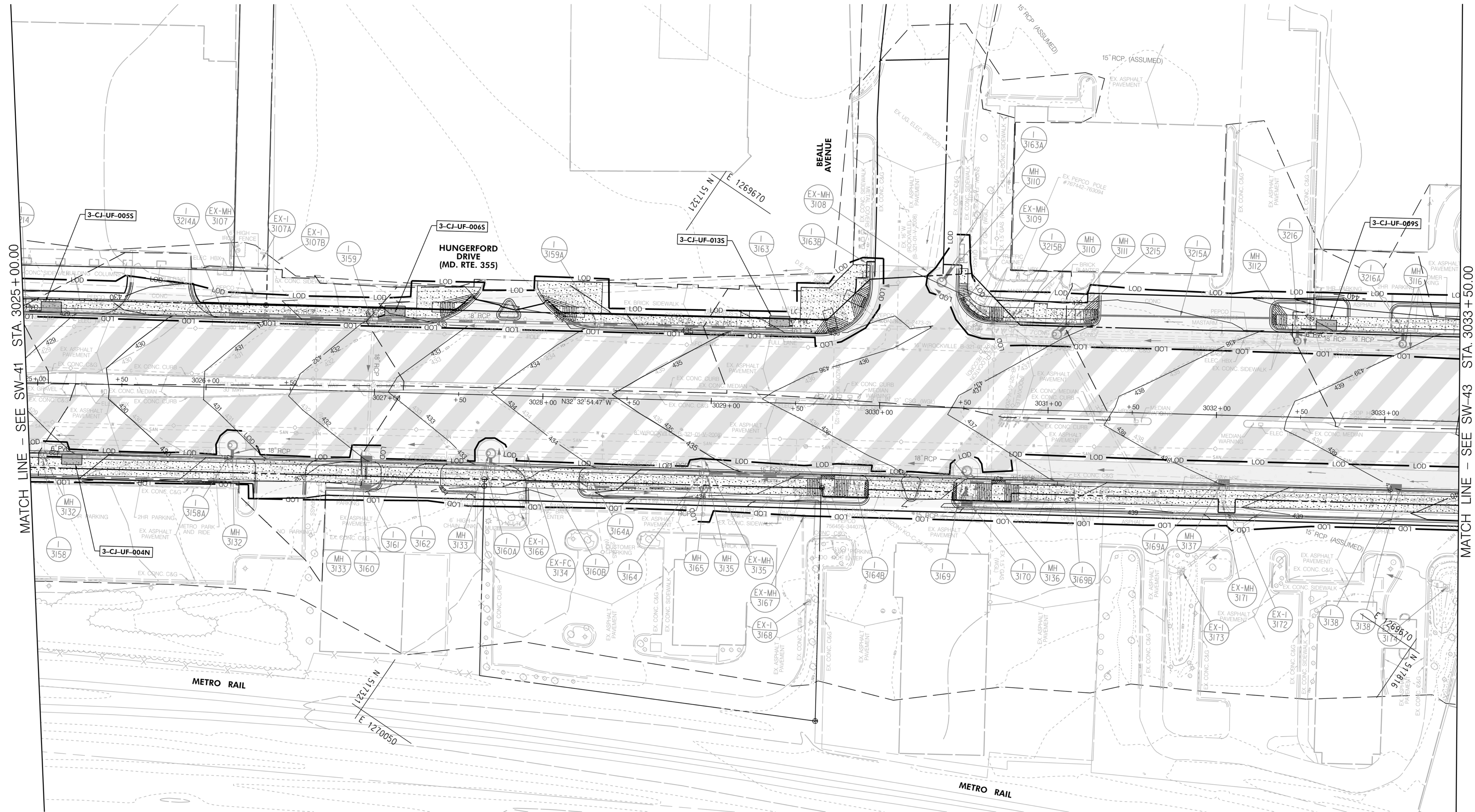
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MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 3
 STORMWATER MANAGEMENT PLAN
 MDE SC-43

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 330 of 887

11/18/2022 P:\stntec-sc-pw-bentley.com\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Sheet Files\SMM Plan View 32 - 30 Scale



MATCH LINE - SEE SW-41 STA. 3025 + 00.00

MATCH LINE - SEE SW-43 STA. 3033 + 50.00

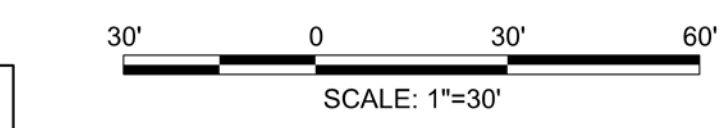
SW-42

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	



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 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 _____

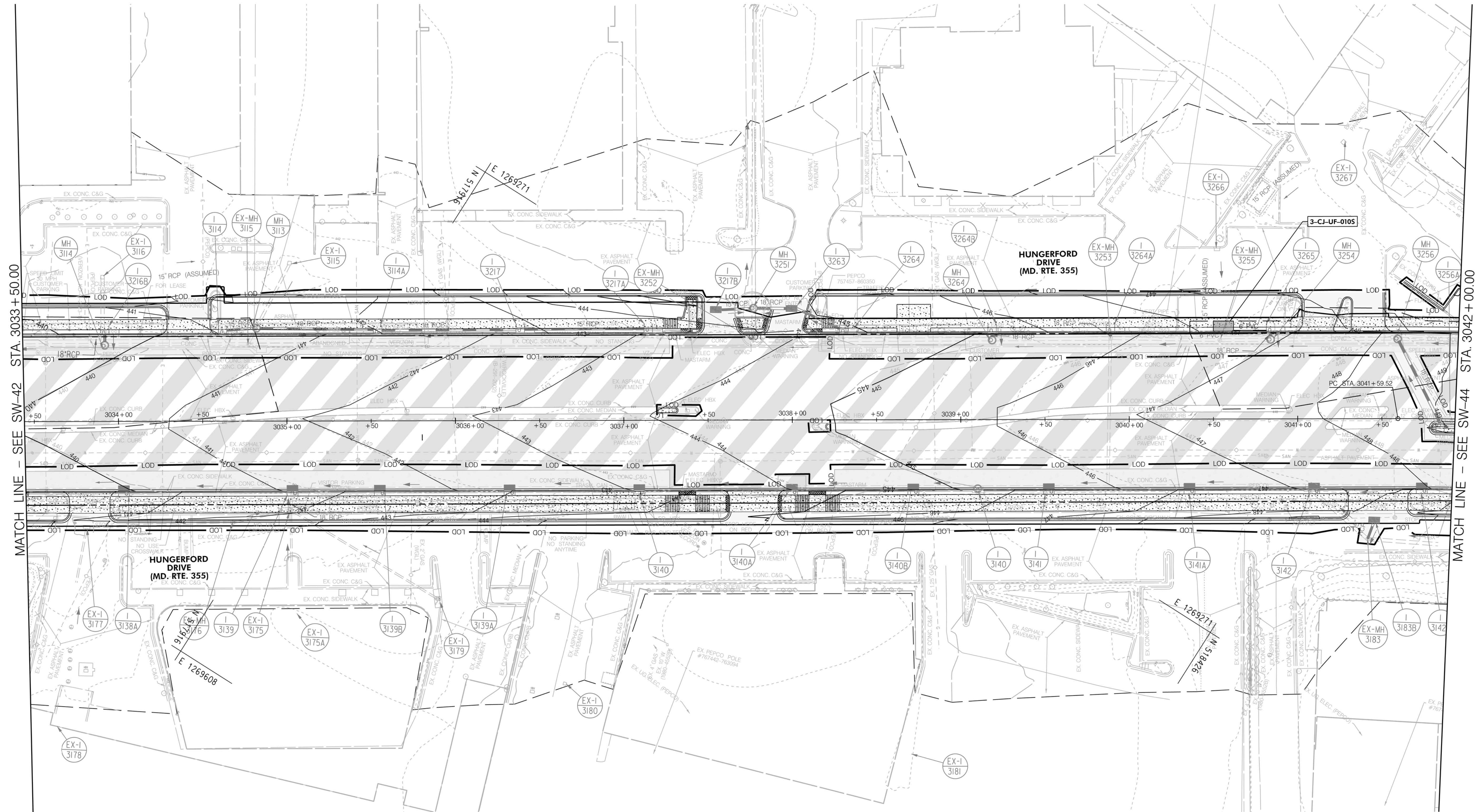
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 3
 STORMWATER MANAGEMENT PLAN
 MDE SC-44

SCALE : 1" = 30' DATE : DECEMBER 2022

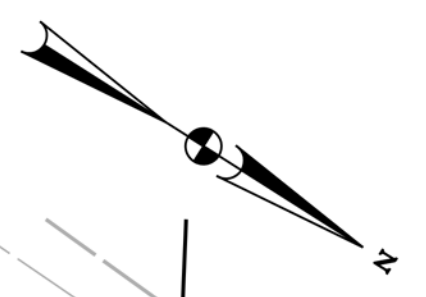
Project No. : 502005 SHEET 331 of 887

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MATCH LINE - SEE SW-42 STA 3033 + 50.00

MATCH LINE - SEE SW-44 STA 3042 + 00.00

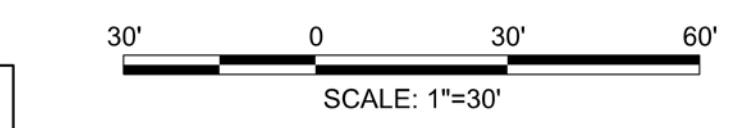


LEGEND

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	



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 Chief, Design Section

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

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

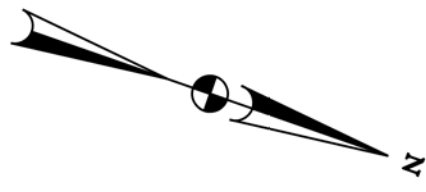
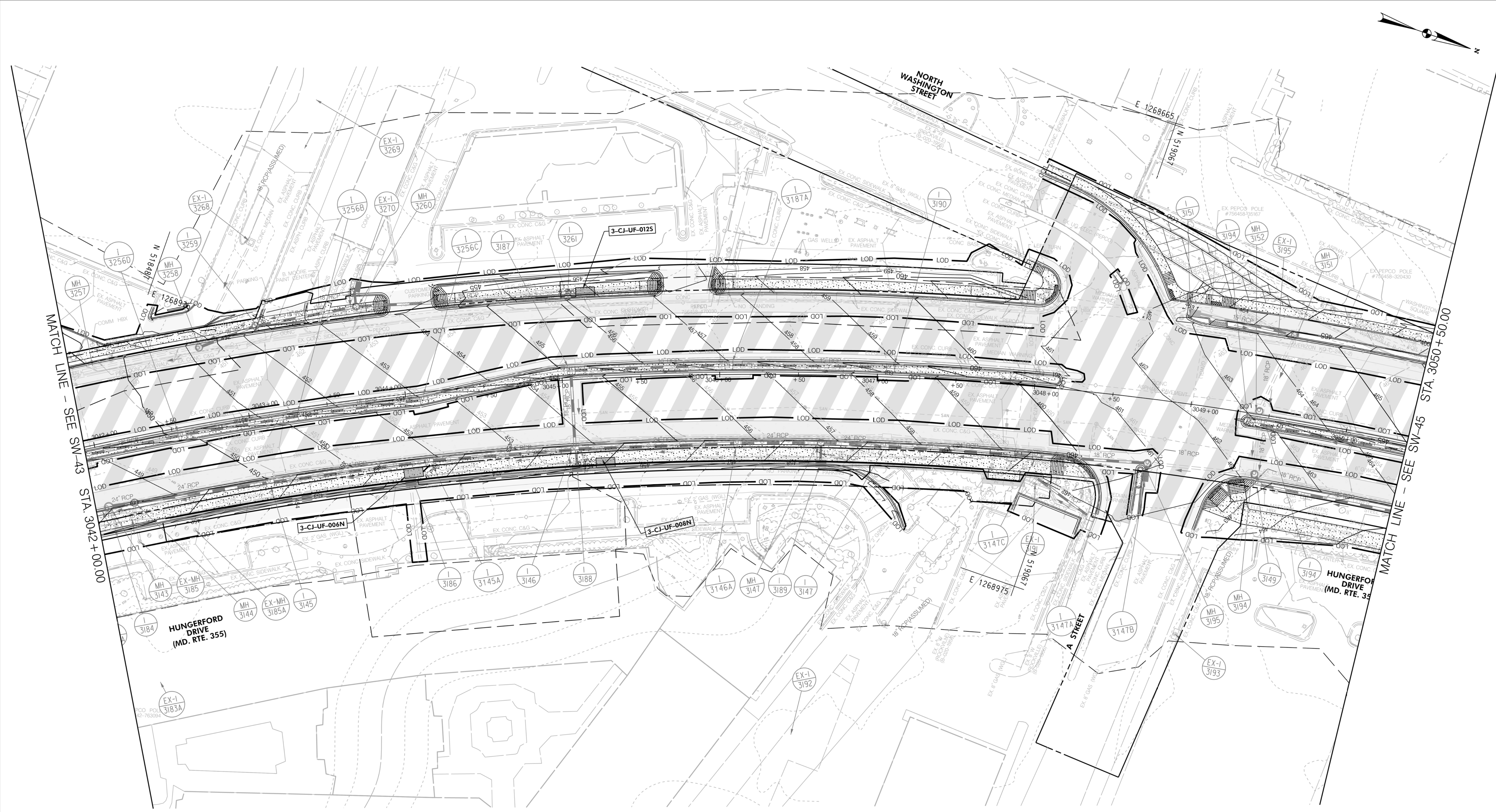
MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT PLAN
 MDE SC-45

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 332 of 887

SW-43

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MATCH LINE - SEE SW-43 STA. 3042+00.00

MATCH LINE - SEE SW-45 STA. 3050+50.00

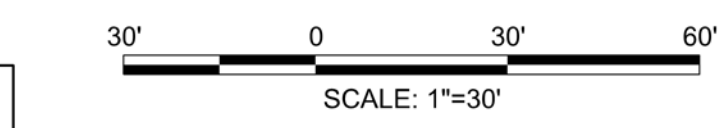
SW-44

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	

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NO.	REVISION	DATE	BY

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 Chief, Design Section

APPROVED
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 Chief, Division of Transportation Engineering

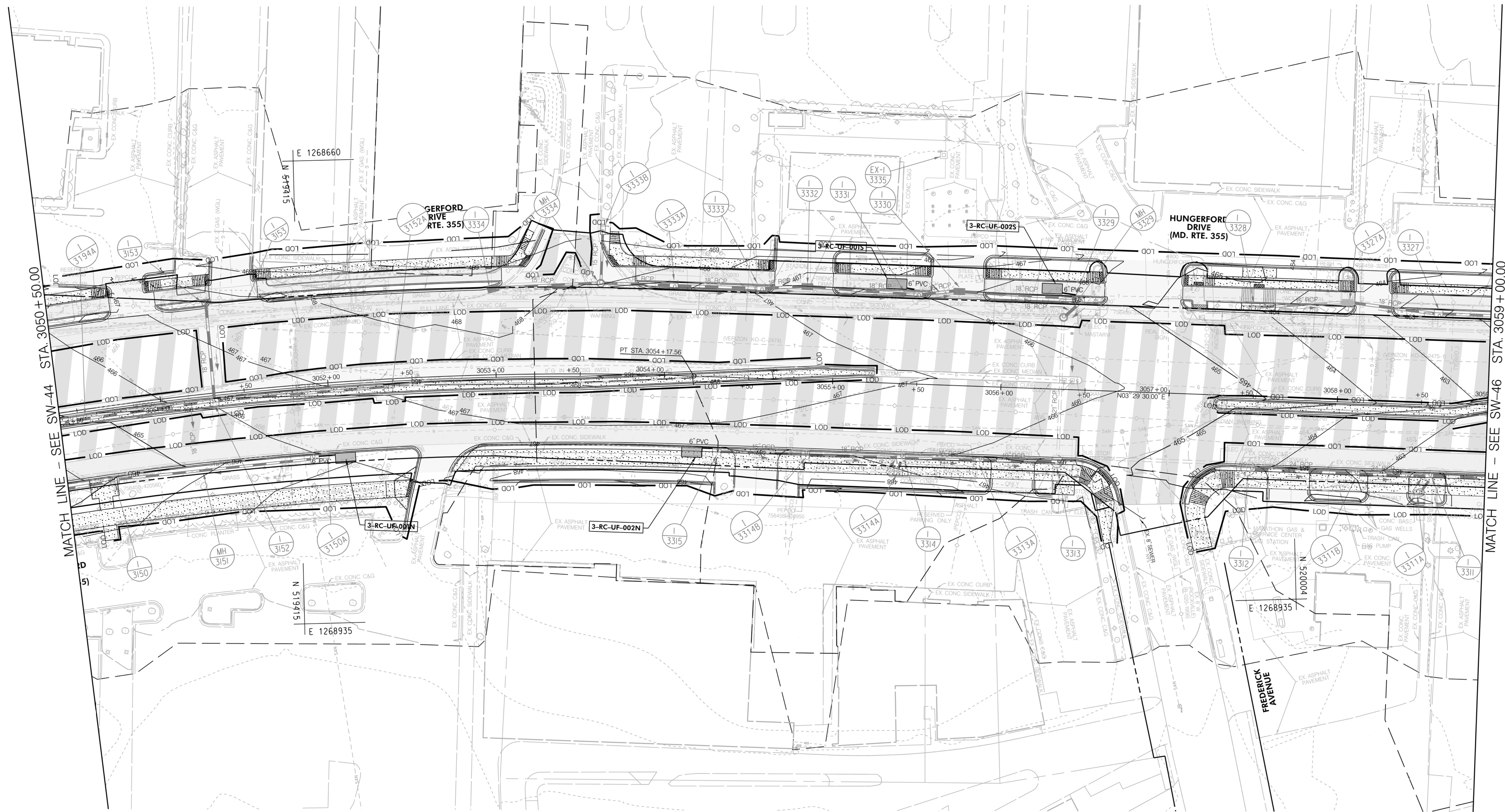
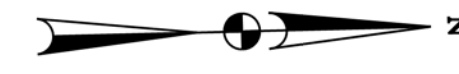
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT PLAN
 MDE SC-46

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 333 of 887

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MATCH LINE - SEE SW-44 STA 3050 + 50.00

MATCH LINE - SEE SW-46 STA 3059 + 00.00

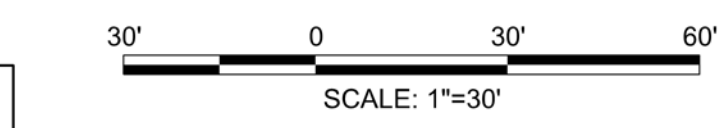
SW-45

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	



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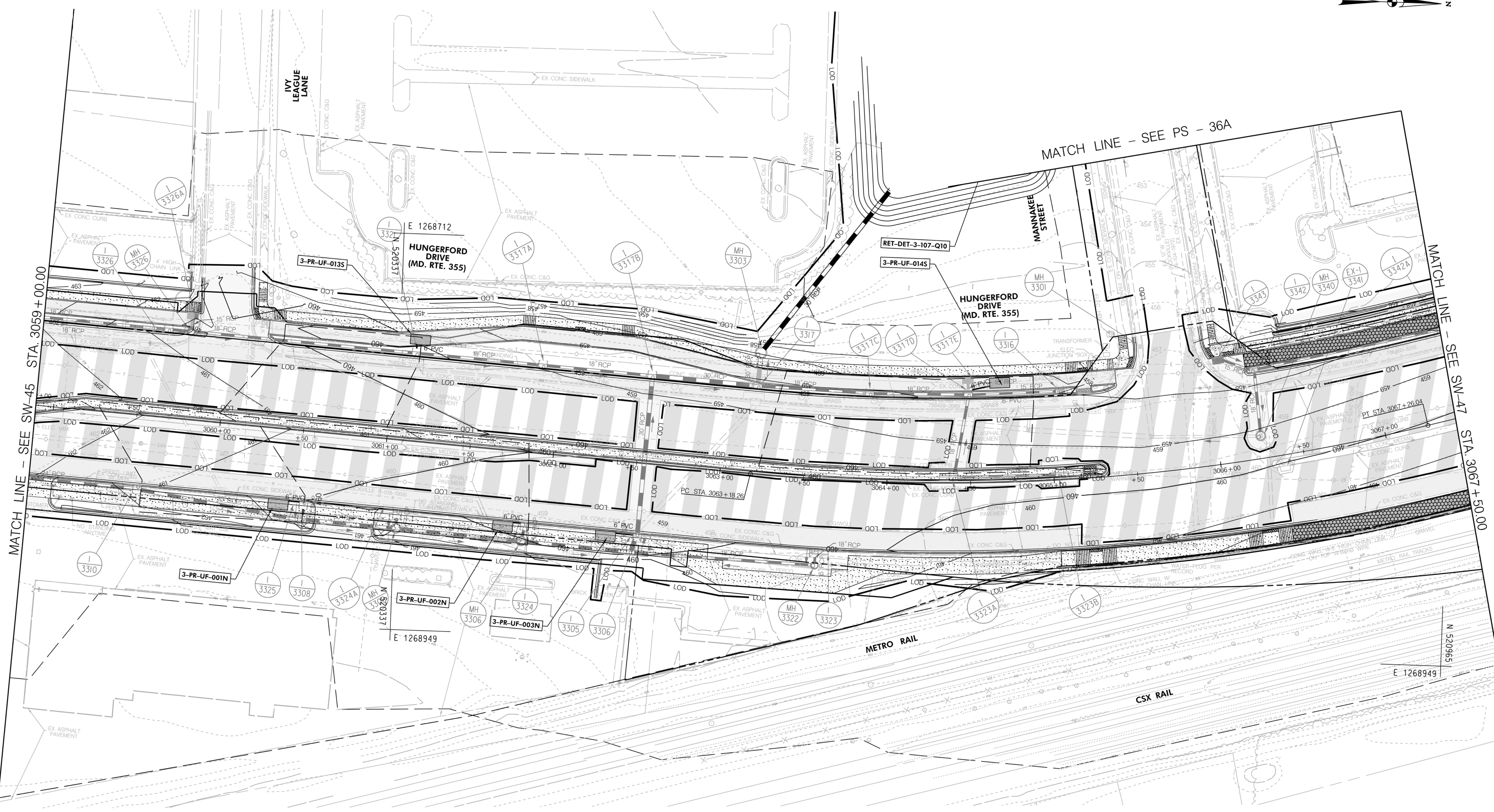
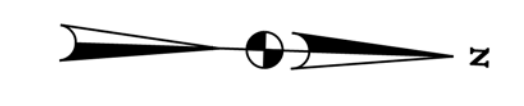
APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering

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

MD 355 BUS RAPID TRANSIT (BRT)
 SEGMENT 3
 STORMWATER MANAGEMENT PLAN
 MDE SC-47

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 334 of 887



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MATCH LINE - SEE SW-45 STA. 3059+00.00

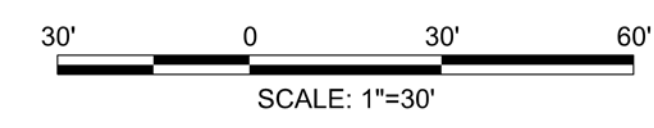
MATCH LINE - SEE SW-47 STA. 3067+50.00

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



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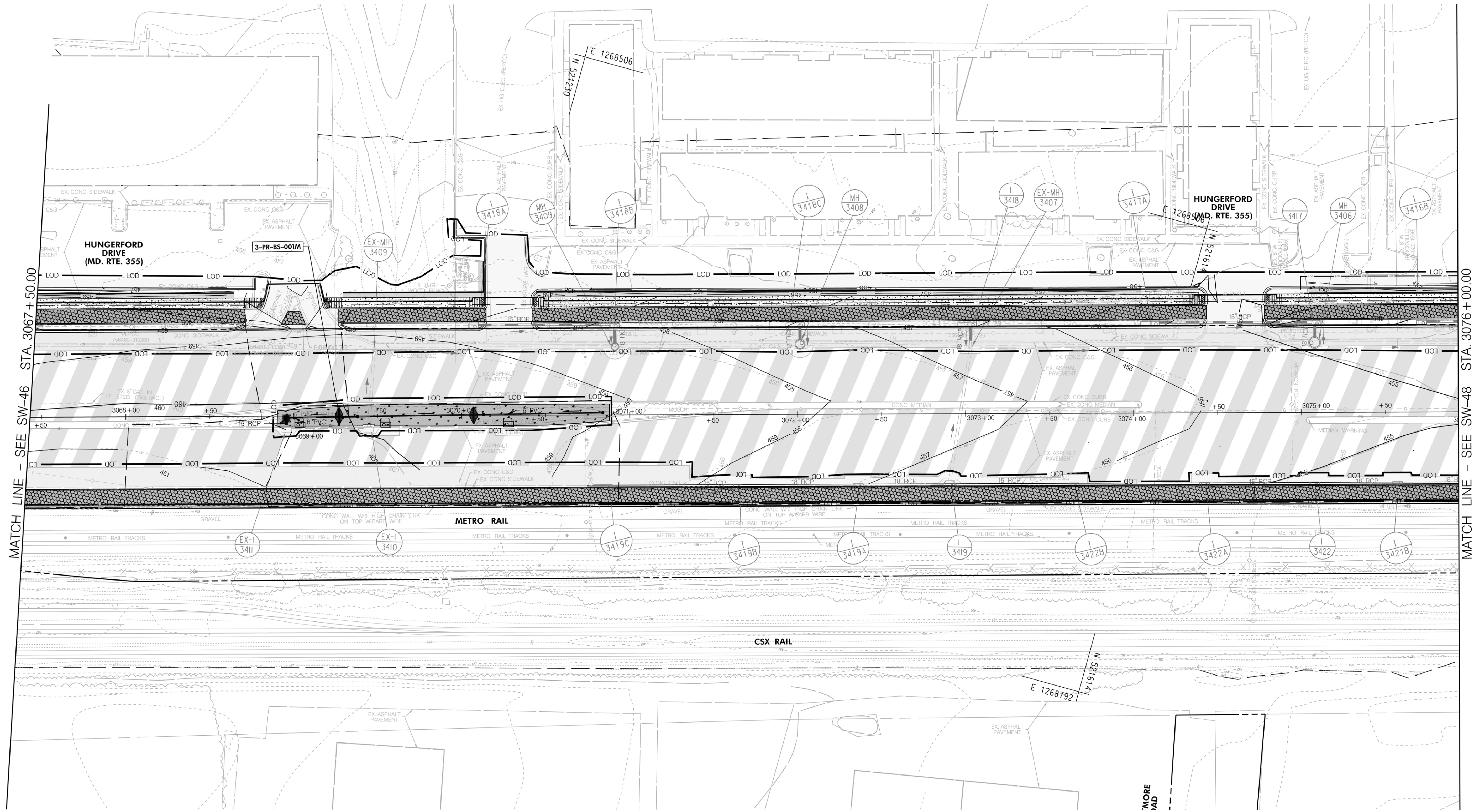
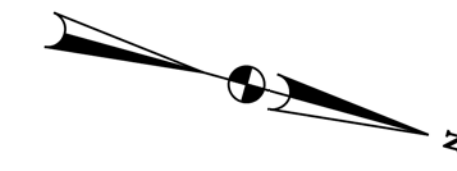
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

**MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT PLAN**

MDE SC-48
SCALE : 1" = 30' DATE : DECEMBER 2022
Project No. : 502005 SHEET 335 of 887

SW-46

11/18/2022 P:\stntec-sc-pw\stntec-sc-pw-02\Documents\202621306\700 CADD\702 Civil\25\ Plans\SWM Sheet Files\SWM Plan View 37 - 30 Scale



MATCH LINE - SEE SW-46 STA. 3067 + 50.00

MATCH LINE - SEE SW-48 STA. 3076 + 00.00

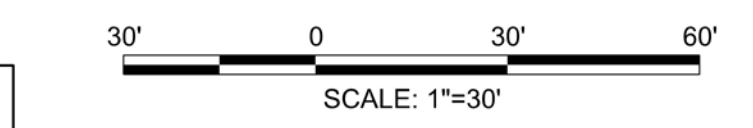
SW-47

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	

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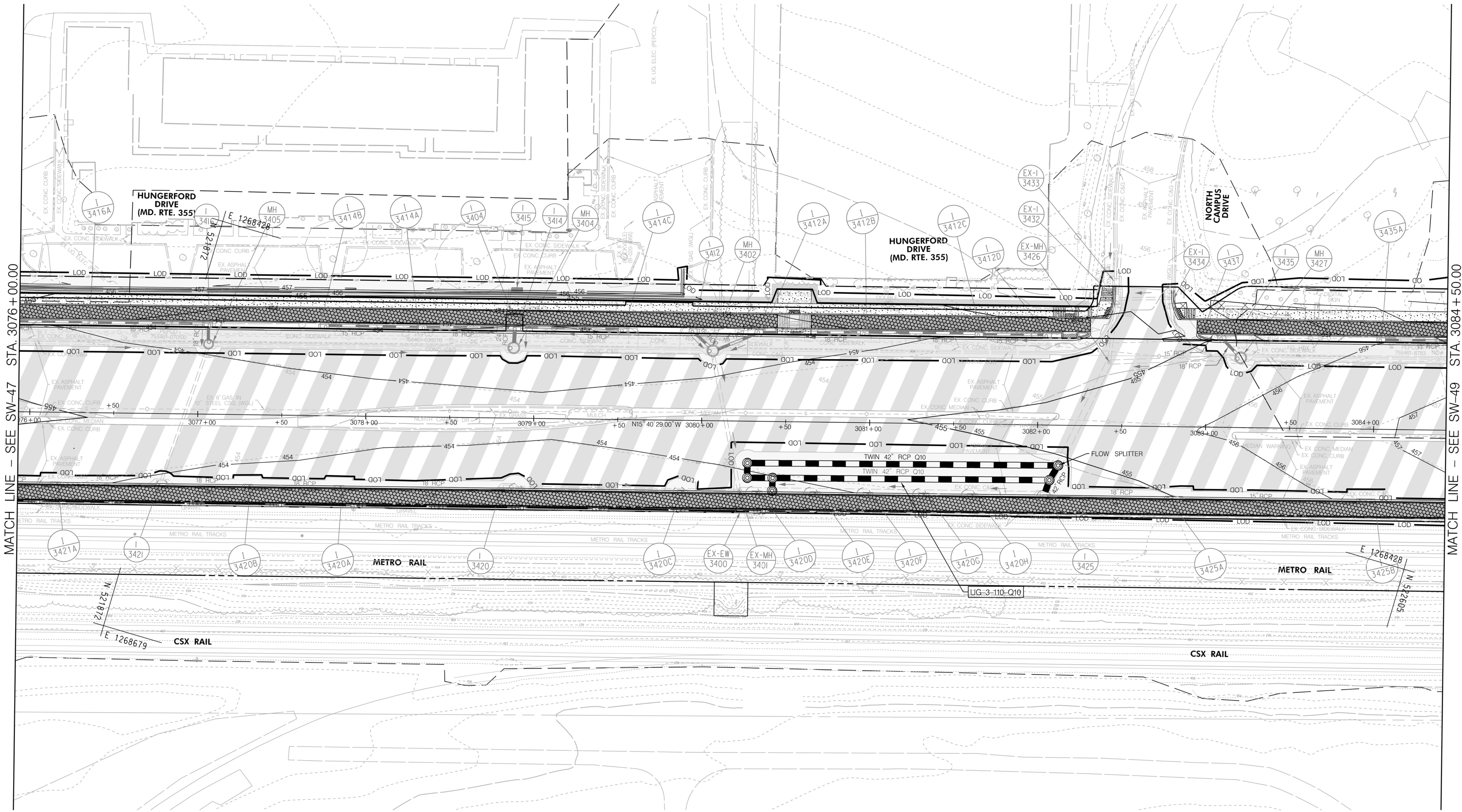
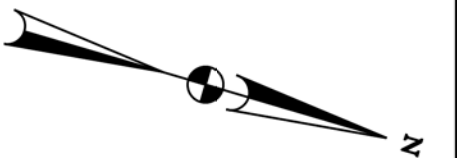
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Chief, Division of Transportation Engineering
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT PLAN
MDE SC-49

SCALE : 1" = 30' DATE : DECEMBER 2022

Project No. : 502005 SHEET 336 of 887



MATCH LINE - SEE SW-47 STA. 3076 + 00.00

MATCH LINE - SEE SW-49 STA. 3084 + 50.00

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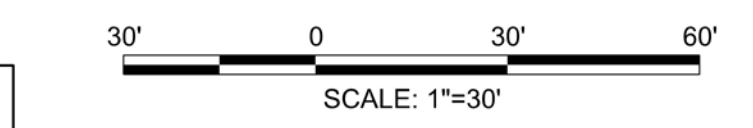
SW-48

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	
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GAITHERSBURG, MARYLAND

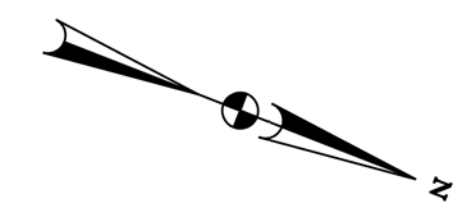
RECOMMENDED FOR APPROVAL
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Design Section
APPROVED
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
SEGMENT 3
STORMWATER MANAGEMENT PLAN
MDE SC-50

SCALE: 1" = 30' DATE: DECEMBER 2022

Project No. : 502005 SHEET 337 of 887

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MATCH LINE - SEE SW-48 STA. 3084+50.00

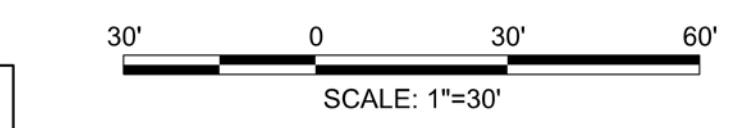
MATCH LINE - SEE SW-51 STA. 3093+00.00

LEGEND

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

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 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 3
 STORMWATER MANAGEMENT PLAN
 MDE SC-51

SCALE: 1" = 30' DATE: DECEMBER 2022

Project No.: 502005 SHEET 338 of 887

SW-49