

THE FOLLOWING MARYLAND STANDARD (CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL) DETAILS ARE REQUIRED FOR THE PROJECT:

- MD 104.01-70-73 - CRASH CUSHION SAND FILLED PLASTIC BARRELS (TEMPORARY OR PERMANENT)
- MD 104.00-06-07 - GENERAL NOTES (SIGNS)
- MD 104.00-08-11 - GENERAL NOTES (PORTABLE VARIABLE MESSAGE SIGNS-PVMS, ARROW PANELS, CHANNELIZING DEVICES & PAVEMENT MARKINGS)
- MD 104.01-02 - SIGN SPACING CHART
- MD 104.01-30 B - CHANNELIZATION DEVICE SPACING EQUAL/LESS THAN 40 MPH
- MD 104.01-30 C - CHANNELIZATION DEVICE SPACING GREATER THAN 40 MPH
- MD 104.01-46 - PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER TERMINAL END
- MD 104.01-47-49 - PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER TERMINAL END - RIGHT SIDE APPROACH & DETAILS
- MD 104.01-50-52 - PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER TERMINAL END - LEFT SIDE APPROACH & DETAILS
- MD 104.01-70-73 - CRASH CUSHION SAND FILLED PLASTIC BARRELS (TEMPORARY OR PERMANENT)
- MD 104.01-80 - TAPER LENGTH CRITERIA TABLE
- MD 104.02-02 - SHOULDER WORK/2-LANE, 2-WAY EQUAL/LESS THAN 40 MPH
- MD 104.02-04 - LANE SHIFT RIGHT OR LEFT SIDE/2-LANE, 2-WAY EQUAL/LESS THAN 40 MPH/15 MIN - 12 HRS. OR DAYTIME ONLY
- MD 104.02-18 - MOBILE MARKING OPERATION / 2 LANE, 2-WAY ALL SPEEDS
- MD 104.03-02 - SHOULDER WORK/MULTILANE UNDIV. EQUAL/LESS THAN 40 MPH
- MD 104.03-04 - LEFT LANE CLOSURE/MULTILANE UNDIV. EQUAL/LESS THAN 40 MPH
- MD 104.03-06 - RIGHT LANE CLOSURE/MULTILANE UNDIV. EQUAL/LESS THAN 40 MPH
- MD 104.03-08 - PARTIAL ROADWAY CLOSURE/MULTILANE UNDIV. EQUAL/LESS THAN 40 MPH
- MD 104.04-102 - RIGHT (LEFT) LANES CLOSURE/DIVIDED UNCON. EQUAL/LESS THAN 40 MPH
- MD 104.04-14 - LEFT-TURN BAY CLOSURE/DIVIDED UNCON. EQUAL/LESS THAN 40 MPH
- MD 104.06-09A - PED AND CURB-LANE CONTROL / MULTILANE UNDIV. SPEED LESS THAN OR EQUAL TO 40 MPH / OVER 12 HRS. OR NIGHTTIME USE
- MD 104.06-15-19 - PAVEMENT EDGE DROP-OFF
- MD 104.06-25 - MEDIAN WORK ALL SPEEDS
- MD 374.51 - PRECAST OR CAST IN PLACE SQUARE AND RECTANGULAR COG INLETS 5', 10', 15', & 20'
- MD 374.61 - PRECAST OR CAST IN PLACE SQUARE AND RECTANGULAR COS INLETS 5', 10', 15', & 20'
- MD 381.02 - PRECAST YARD INLET
- MD 384.01 - 48" DIAMETER PRECAST MANHOLE FOR 12" TO 24" PIPES
- MD 384.03 - 60" DIAMETER PRECAST MANHOLE FOR 27" TO 36" PIPES
- MD 384.05 - 72" DIAMETER PRECAST MANHOLE FOR 42" & 48" PIPES
- MD 384.07 - 84" DIAMETER PRECAST MANHOLE FOR 54" & 60" PIPES
- MD 384.09 - 96" DIAMETER PRECAST MANHOLE FOR 72" PIPES
- MD 384.11 - 120" DIAMETER PRECAST MANHOLE FOR 78" & 84" PIPES
- MD 387.11A - LONGITUDINAL UNDERDRAIN LOCATED AT CURB & GUTTER FOR FLEXIBLE PAVEMENT
- MD 620.02-01 - STANDARD TYPES C AND D CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
- MD 630.02 - STANDARD ENTRANCE CONSTRUCTION RESIDENTIAL AND COMMERCIAL, METHOD NO. 2
- MD 645.02 - STANDARD MONOLITHIC CONCRETE MEDIAN TYPE 'B'
- MD 655.11 - SIDEWALK RAMPS PERPENDICULAR
- MD 655.12 - SIDEWALK RAMPS PARALLEL
- MD 655.13 - SIDEWALK RAMPS COMBINATION
- MD 655.21 - CUT-THROUGH MEDIAN AND ISLAND OPENINGS
- MD 655.40 - DETECTABLE WARNING SURFACES

FOR ALL STANDARDS REFERRED TO ON THE PLANS, THE CONTRACTOR MUST GO TO THE BOOK OF STANDARDS WHICH WILL HAVE THE MOST CURRENT VERSION. THE BOOK OF STANDARDS CAN BE ACCESSED AT: <http://apps.roads.maryland.gov/businesswithsha/bizStdsSpecs/desManualStdPub/publicationsonline/ohd/bookstd/index.asp>. ALL ITEMS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VERSION OF THE REFERENCED STANDARD AT THE TIME OF CONSTRUCTION.

OWNER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

DATE _____ TIMOTHY H. CUPPLES, P.E.
CHIEF, DIVISION OF
TRANSPORTATION ENGINEERING

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED AUGUST 1988.

I FURTHER CERTIFY THAT THE ESTIMATED TOTAL AMOUNTS OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE XXX,XXX CUBIC YARDS OF EXCAVATION AND XXX,XXX CUBIC YARDS OF FILL AND THAT THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE XXX,XXX SQUARE FEET.

DATE _____ XX/XX/XXXX
_____ XXXX XXXX, P.E.
MD. REGISTRATION NO. XXXXX



ALL AREAS OF SHA PROPERTY AND PROPERTY TO BE DEDICATED TO SHA SHALL BE RESTORED IN CONFORMANCE WITH SHA STANDARD SPECIFICATIONS, EXCEPT AS NECESSARY FOR WORK FOR WHICH THERE ARE NO SHA STANDARD SPECIFICATIONS.

PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL".

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: XX-XX-XXXX

NO.	REVISION	DATE	BY

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

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
APPROVED

Chief, Division of Transportation Engineering _____ Date _____

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

RELATED REQUIRED PERMITS					
IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT					
TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MDPS Floodplain District		X			
WATERWAYS/WETLAND(S)					
a. Corps of Engineers	X				
b. MDE	X				
c. MDE Water Quality Certification	X				
MDE Dam Safety		X			
*DPS Roadside Trees Protection Plan	X			Approval Date	
N.P.D.E.S. NOTICE OF BRENT	X		REGISTRATION NO. XXXXXXX		DATE FILED XX/XX/XXXX
FEMA LOMR (Required Post Construction)		X			
OTHERS:					
DPS Erosion and Sediment Control	X		XXXXXX		
MNCPPC Park Permit	X		XXXXXX		

* A copy of the Roadside Trees Protection Plan must be delivered to the sediment control inspector at the preconstruction meeting.

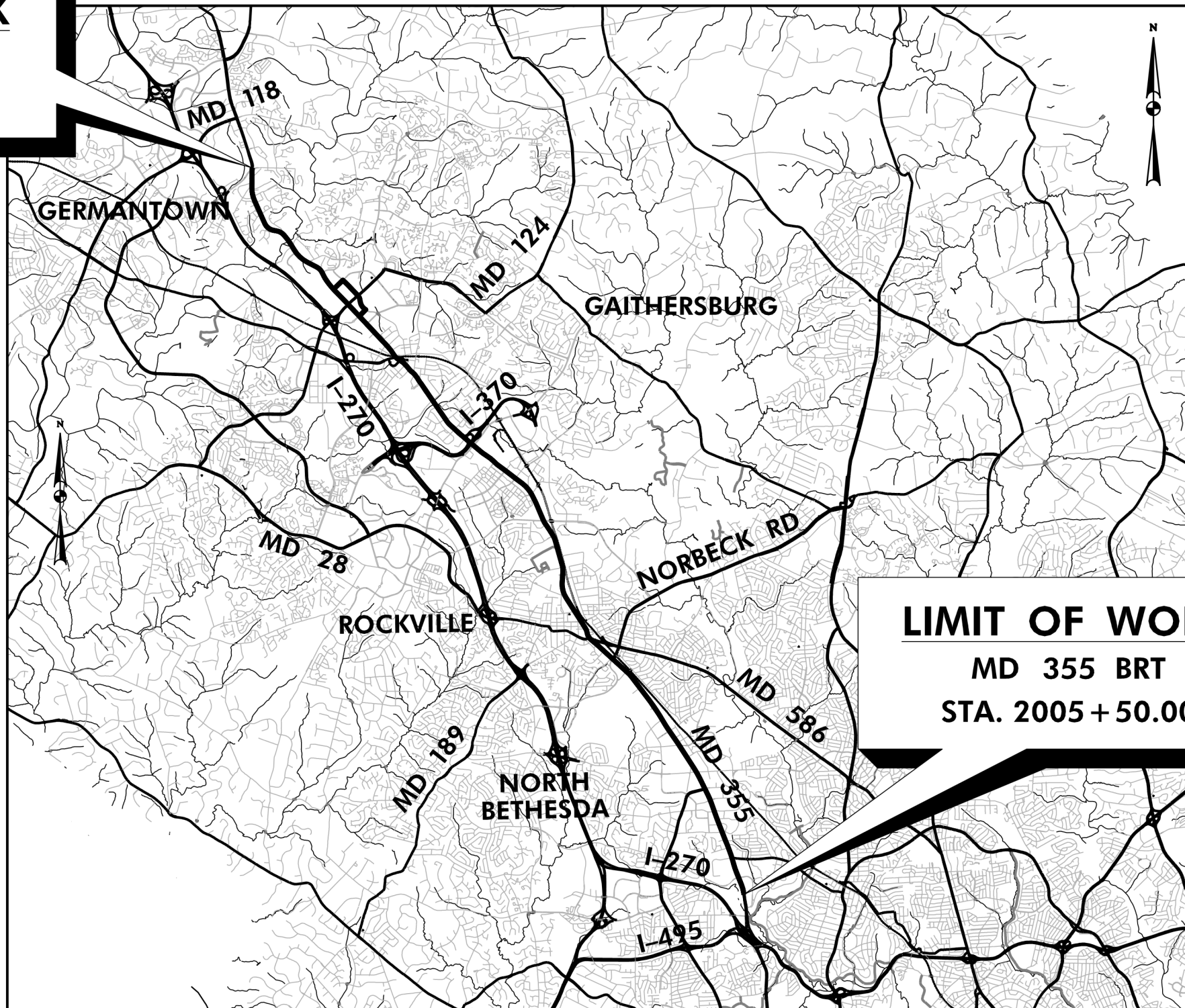
OWNER/PERMIT APPLICANT INFORMATION	
NAME:	MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
ADDRESS:	100 EDISON PARK DRIVE, GAITHERSBURG, MD 20878
PHONE NUMBER:	(240) 777-7209
CONTACT PERSON:	TIMOTHY H. CUPPLES, P.E.

MONTGOMERY COUNTY, MARYLAND DEPARTMENT OF TRANSPORTATION

MD 355 BUS RAPID TRANSIT (BRT)

C. I. P. PROJECT NO. 502005 SHA TRACKING NO. XX-XX-XX-XXX-XX

LIMIT OF WORK
MD 355 BRT
STA. 6134 + 53.47



VICINITY MAP
SCALE: 1" = 1000'

TREE CANOPY REQUIREMENTS TABLE	
To be completed by the consultant and placed on the first sheet of the Sediment Control/Stormwater Management plan set for all projects	
Exempt: Yes <input type="checkbox"/> No <input type="checkbox"/> If exempt under Section 55-5 of the Code, please list the applicable exemption category below this table.	
Project is subject to Chapter 22A-9 of the Mont. Co. Forest Conservation Law	
Total Property Area	Total Disturbed Area
N/A - square feet	XX,XXX - square feet
Shade Trees Required	Shade Trees Proposed to be Planted
XX	0
Fee in Lieu (Trees Required - Trees Proposed) x \$250	Total Fee in Lieu \$ XX,XXX
Required Number of Shade Trees	
Area (sq. ft.) of the Limits of Disturbance	Number of Shade Trees Required
Exam	To
1	6,000
6,001	8,000
8,001	12,000
12,001	14,000
14,001	40,000
If the square footage of the limits of disturbance is more than 40,000, then the number of shade trees required must be calculated using the following formula: (Number of Square Feet in Limits of Disturbance / 40,000) x 15	
*Please list the square footage of each proposed planting area on the first sheet of the plan set.	

EXEMPTION CATEGORIES:	
<input type="checkbox"/>	55-5(e) any activity that is subject to Article II of Chapter 22A;
<input type="checkbox"/>	55-5(b) any commercial logging or timber harvesting operation with an approved exemption from Article II of Chapter 22A;
<input type="checkbox"/>	55-5(f) any activity conducted by the County Parks Department;
<input type="checkbox"/>	55-5(g) routine emergency maintenance of an existing stormwater management facility, including an existing access road, if the person performing the maintenance has obtained all required permits;
<input type="checkbox"/>	55-5(h) any stream restoration project if the person performing the work has obtained all necessary permits;
<input type="checkbox"/>	55-5(i) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams;
<input type="checkbox"/>	OTHER: Specify per Section 55-5 of the Code.

APPROVALS:		
TRAFFIC CONTROL PLANS	SIGNATURE _____	DATE _____
LIGHTING PLANS	SIGNATURE _____	DATE _____
SIGNING & PAVEMENT MARKING PLANS	SIGNATURE _____	DATE _____
TRAFFIC SIGNAL PLANS	SIGNATURE _____	DATE _____

TI-01

MD 355 BUS RAPID TRANSIT (BRT)
TITLE SHEET

SCALE : N.T.S. DATE : DECEMBER 2022

Project No. : 502005 SHEET 01 of 887

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I-01



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
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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 _____ 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)

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SCALE : N.T.S. DATE : DECEMBER 2022

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251	PR-402	ROADWAY PROFILE
252	PR-403	ROADWAY PROFILE
253	PR-404	ROADWAY PROFILE
254	PR-405	ROADWAY PROFILE
255	PR-406	ROADWAY PROFILE
256	PR-407	ROADWAY PROFILE
257	PR-408	ROADWAY PROFILE
258	PR-409	ROADWAY PROFILE
259	PR-410	ROADWAY PROFILE
260	PR-411	ROADWAY PROFILE
261	PR-412	ROADWAY PROFILE
262	PR-413	ROADWAY PROFILE
263	PR-414	ROADWAY PROFILE
264	PR-415	ROADWAY PROFILE
265	PR-416	ROADWAY PROFILE
266	PR-417	ROADWAY PROFILE
267	PR-418	ROADWAY PROFILE
268	PR-419	ROADWAY PROFILE
269	PR-420	ROADWAY PROFILE
270	PR-421	ROADWAY PROFILE
271	PR-501	ROADWAY PROFILE
272	PR-502	ROADWAY PROFILE
273	PR-503	ROADWAY PROFILE
274	PR-601	ROADWAY PROFILE
275	PR-602	ROADWAY PROFILE
276	PR-603	ROADWAY PROFILE
277	PR-604	ROADWAY PROFILE
278	PR-605	ROADWAY PROFILE
279	PR-606	ROADWAY PROFILE
280	PR-607	ROADWAY PROFILE
281	PR-608	ROADWAY PROFILE
282	PR-609	ROADWAY PROFILE
283	PR-610	ROADWAY PROFILE
284	PR-611	ROADWAY PROFILE
285	PR-612	ROADWAY PROFILE
286	PR-613	ROADWAY PROFILE
287	PR-614	ROADWAY PROFILE
288	PR-615	ROADWAY PROFILE
289	PR-616	ROADWAY PROFILE
290	SW-01	STORMWATER MANAGEMENT KEY MAP -1
291	SW-02	STORMWATER MANAGEMENT PLAN-1
292	SW-03	STORMWATER MANAGEMENT PLAN-1
293	SW-04	STORMWATER MANAGEMENT PLAN-1
294	SW-05	STORMWATER MANAGEMENT PLAN-1
295	SW-06	STORMWATER MANAGEMENT PLAN-1
296	SW-07	STORMWATER MANAGEMENT PLAN-1
297	SW-08	STORMWATER MANAGEMENT KEY MAP -2
298	SW-09	STORMWATER MANAGEMENT PLAN-2
299	SW-10	STORMWATER MANAGEMENT PLAN-2
300	SW-11	STORMWATER MANAGEMENT PLAN-2



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)

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SHEET NO.	DWG. NO.	DESCRIPTION
301	SW-12	STORMWATER MANAGEMENT PLAN-2
302	SW-13	STORMWATER MANAGEMENT PLAN-2
303	SW-14	STORMWATER MANAGEMENT PLAN-2
304	SW-15	STORMWATER MANAGEMENT PLAN-2
305	SW-16	STORMWATER MANAGEMENT PLAN-2
306	SW-17	STORMWATER MANAGEMENT PLAN-2
307	SW-18	STORMWATER MANAGEMENT PLAN-2
308	SW-19	STORMWATER MANAGEMENT PLAN-2
309	SW-20	STORMWATER MANAGEMENT PLAN-2
310	SW-21	STORMWATER MANAGEMENT PLAN-2
311	SW-22	STORMWATER MANAGEMENT PLAN-2
312	SW-23	STORMWATER MANAGEMENT PLAN-2
313	SW-24	STORMWATER MANAGEMENT PLAN-2
314	SW-25	STORMWATER MANAGEMENT PLAN-2
315	SW-26	STORMWATER MANAGEMENT PLAN-2
316	SW-27	STORMWATER MANAGEMENT PLAN-2
317	SW-28	STORMWATER MANAGEMENT PLAN-2
318	SW-29	STORMWATER MANAGEMENT PLAN-2
319	SW-30	STORMWATER MANAGEMENT PLAN-2
320	SW-31	STORMWATER MANAGEMENT PLAN-2
321	SW-32	STORMWATER MANAGEMENT PLAN-2
322	SW-33	STORMWATER MANAGEMENT PLAN-2
323	SW-34	STORMWATER MANAGEMENT PLAN-2
324	SW-35	STORMWATER MANAGEMENT PLAN-2
325	SW-36	STORMWATER MANAGEMENT PLAN-2
326	SW-37	STORMWATER MANAGEMENT PLAN-2
327	SW-38	STORMWATER MANAGEMENT KEY MAP -3
328	SW-39	STORMWATER MANAGEMENT PLAN-3
329	SW-40	STORMWATER MANAGEMENT PLAN-3
330	SW-41	STORMWATER MANAGEMENT PLAN-3
331	SW-42	STORMWATER MANAGEMENT PLAN-3
332	SW-43	STORMWATER MANAGEMENT PLAN-3
333	SW-44	STORMWATER MANAGEMENT PLAN-3
334	SW-45	STORMWATER MANAGEMENT PLAN-3
335	SW-46	STORMWATER MANAGEMENT PLAN-3
336	SW-47	STORMWATER MANAGEMENT PLAN-3
337	SW-48	STORMWATER MANAGEMENT PLAN-3
338	SW-49	STORMWATER MANAGEMENT PLAN-3
339	SW-50	STORMWATER MANAGEMENT KEY MAP -4
340	SW-51	STORMWATER MANAGEMENT PLAN-4
341	SW-52	STORMWATER MANAGEMENT PLAN-4
342	SW-53	STORMWATER MANAGEMENT PLAN-4
343	SW-54	STORMWATER MANAGEMENT PLAN-4
344	SW-55	STORMWATER MANAGEMENT PLAN-4
345	SW-56	STORMWATER MANAGEMENT PLAN-4
346	SW-57	STORMWATER MANAGEMENT PLAN-4
347	SW-58	STORMWATER MANAGEMENT PLAN-4
348	SW-59	STORMWATER MANAGEMENT PLAN-4
349	SW-60	STORMWATER MANAGEMENT PLAN-4
350	SW-61	STORMWATER MANAGEMENT PLAN-4

SHEET NO.	DWG. NO.	DESCRIPTION
351	SW-62	STORMWATER MANAGEMENT PLAN-4
352	SW-63	STORMWATER MANAGEMENT PLAN-4
353	SW-64	STORMWATER MANAGEMENT PLAN-4
354	SW-65	STORMWATER MANAGEMENT PLAN-4
355	SW-66	STORMWATER MANAGEMENT PLAN-4
356	SW-67	STORMWATER MANAGEMENT PLAN-4
357	SW-68	STORMWATER MANAGEMENT PLAN-4
358	SW-69	STORMWATER MANAGEMENT PLAN-4
359	SW-70	STORMWATER MANAGEMENT PLAN-4
360	SW-71	STORMWATER MANAGEMENT PLAN-4
361	SW-72	STORMWATER MANAGEMENT PLAN-4
362	SW-73	STORMWATER MANAGEMENT PLAN-4
363	SW-74	STORMWATER MANAGEMENT PLAN-4
364	SW-75	STORMWATER MANAGEMENT KEY MAP -5
365	SW-76	STORMWATER MANAGEMENT PLAN-5
366	SW-77	STORMWATER MANAGEMENT PLAN-5
367	SW-78	STORMWATER MANAGEMENT PLAN 5
368	SW-79	STORMWATER MANAGEMENT PLAN-5
369	SW-80	STORMWATER MANAGEMENT PLAN-5
370	SW-81	STORMWATER MANAGEMENT PLAN-5
371	SW-82	STORMWATER MANAGEMENT PLAN-5
372	SW-83	STORMWATER MANAGEMENT PLAN-5
373	SW-84	STORMWATER MANAGEMENT PLAN-5
374	SW-85	STORMWATER MANAGEMENT PLAN-5
375	SW-86	STORMWATER MANAGEMENT PLAN-5
376	SW-87	STORMWATER MANAGEMENT PLAN-5
377	SW-88	STORMWATER MANAGEMENT PLAN-5
378	SW-89	STORMWATER MANAGEMENT PLAN-5
379	SW-90	STORMWATER MANAGEMENT KEY MAP -6
380	SW-91	STORMWATER MANAGEMENT PLAN-6
381	SW-92	STORMWATER MANAGEMENT PLAN-6
382	SW-93	STORMWATER MANAGEMENT PLAN-6
383	SW-94	STORMWATER MANAGEMENT PLAN-6
384	SW-95	STORMWATER MANAGEMENT PLAN-6
385	SW-96	STORMWATER MANAGEMENT PLAN-6
386	SW-97	STORMWATER MANAGEMENT PLAN-6
387	SW-98	STORMWATER MANAGEMENT PLAN-6
388	SW-99	STORMWATER MANAGEMENT PLAN-6
389	SW-100	STORMWATER MANAGEMENT PLAN-6
390	SW-101	STORMWATER MANAGEMENT PLAN-6
391	SW-102	STORMWATER MANAGEMENT PLAN-6
392	SW-103	STORMWATER MANAGEMENT PLAN-6
393	SW-104	STORMWATER MANAGEMENT PLAN-6
394	SW-105	STORMWATER MANAGEMENT PLAN-6
395	SW-106	STORMWATER MANAGEMENT PLAN-6
396	SW-107	STORMWATER MANAGEMENT KEY MAP -7
397	SW-108	STORMWATER MANAGEMENT PLAN-7
398	SW-109	STORMWATER MANAGEMENT PLAN-7
399	SW-110	STORMWATER MANAGEMENT DETAILS
400	SW-111	STORMWATER MANAGEMENT DETAILS

SHEET NO.	DWG. NO.	DESCRIPTION
401	SW-112	STORMWATER MANAGEMENT DETAILS
402	SW-113	STORMWATER MANAGEMENT DETAILS
403	SW-114	STORMWATER MANAGEMENT DETAILS
404	SW-115	Blank
405	DD-01	DRAINAGE PLAN - SEGMENT 1
406	DD-02	DRAINAGE PLAN - SEGMENT 1
407	DD-03	DRAINAGE PLAN - SEGMENT 1
408	DD-04	DRAINAGE PLAN - SEGMENT 1
409	DD-05	DRAINAGE PLAN - SEGMENT 1
410	DD-06	DRAINAGE PLAN - SEGMENT 1 - SEGMENT 2
411	DD-07	DRAINAGE PLAN - SEGMENT 2
412	DD-08	DRAINAGE PLAN - SEGMENT 2
413	DD-08A	DRAINAGE PLAN - SEGMENT 2
414	DD-09	DRAINAGE PLAN - SEGMENT 2
415	DD-10	DRAINAGE PLAN - SEGMENT 2
416	DD-11	DRAINAGE PLAN - SEGMENT 2
417	DD-12	DRAINAGE PLAN - SEGMENT 2
418	DD-13	DRAINAGE PLAN - SEGMENT 2
419	DD-14	DRAINAGE PLAN - SEGMENT 2
420	DD-15	DRAINAGE PLAN - SEGMENT 2
421	DD-16	DRAINAGE PLAN - SEGMENT 2
422	DD-17	DRAINAGE PLAN - SEGMENT 2
423	DD-17A	DRAINAGE PLAN - SEGMENT 2
424	DD-18	DRAINAGE PLAN - SEGMENT 2
425	DD-19	DRAINAGE PLAN - SEGMENT 2
426	DD-20	DRAINAGE PLAN - SEGMENT 2
427	DD-21	DRAINAGE PLAN - SEGMENT 2
428	DD-22	DRAINAGE PLAN - SEGMENT 2
429	DD-23	DRAINAGE PLAN - SEGMENT 2
430	DD-24	DRAINAGE PLAN - SEGMENT 2
431	DD-25	DRAINAGE PLAN - SEGMENT 2
432	DD-26	DRAINAGE PLAN - SEGMENT 2
433	DD-27	DRAINAGE PLAN - SEGMENT 2
434	DD-28	DRAINAGE PLAN - SEGMENT 2
435	DD-29	DRAINAGE PLAN - SEGMENT 2
436	DD-30	DRAINAGE PLAN - SEGMENT 2
437	DD-31	DRAINAGE PLAN - SEGMENT 2
438	DD-32	DRAINAGE PLAN - SEGMENT 2
439	DD-33	DRAINAGE PLAN - SEGMENT 2
440	DD-33A	DRAINAGE PLAN - SEGMENT 2
441	DD-34	DRAINAGE PLAN - SEGMENT 2 - SEGMENT 3
442	DD-34A	DRAINAGE PLAN - SEGMENT 3
443	DD-35	DRAINAGE PLAN - SEGMENT 3
444	DD-36	DRAINAGE PLAN - SEGMENT 3
445	DD-37	DRAINAGE PLAN - SEGMENT 3
446	DD-38	DRAINAGE PLAN - SEGMENT 3
447	DD-39	DRAINAGE PLAN - SEGMENT 3
448	DD-40	DRAINAGE PLAN - SEGMENT 3
449	DD-41	DRAINAGE PLAN - SEGMENT 3
450	DD-41A	DRAINAGE PLAN - SEGMENT 3

I-03



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DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

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Chief, Design Section _____ Date _____
APPROVED

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MD 355 BUS RAPID TRANSIT (BRT)

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SHEET NO.	DWG. NO.	DESCRIPTION
451	DD-42	DRAINAGE PLAN - SEGMENT 3
452	DD-43	DRAINAGE PLAN - SEGMENT 3
453	DD-44	DRAINAGE PLAN - SEGMENT 3
454	DD-45	DRAINAGE PLAN - SEGMENT 3 - SEGMENT 4
455	DD-46	DRAINAGE PLAN - SEGMENT 4
456	DD-46A	DRAINAGE PLAN - SEGMENT 4
457	DD-46B	DRAINAGE PLAN - SEGMENT 4
458	DD-46C	DRAINAGE PLAN - SEGMENT 4
459	DD-47	DRAINAGE PLAN - SEGMENT 4
460	DD-47A	DRAINAGE PLAN - SEGMENT 4
461	DD-48	DRAINAGE PLAN - SEGMENT 4
462	DD-49	DRAINAGE PLAN - SEGMENT 4
463	DD-50	DRAINAGE PLAN - SEGMENT 4
464	DD-51	DRAINAGE PLAN - SEGMENT 4
465	DD-51A	DRAINAGE PLAN - SEGMENT 4
466	DD-51B	DRAINAGE PLAN - SEGMENT 4
467	DD-51C	DRAINAGE PLAN - SEGMENT 4
468	DD-52	DRAINAGE PLAN - SEGMENT 4
469	DD-53	DRAINAGE PLAN - SEGMENT 4
470	DD-54	DRAINAGE PLAN - SEGMENT 4
471	DD-55	DRAINAGE PLAN - SEGMENT 4
472	DD-56	DRAINAGE PLAN - SEGMENT 4
473	DD-57	DRAINAGE PLAN - SEGMENT 4
474	DD-58	DRAINAGE PLAN - SEGMENT 4
475	DD-59	DRAINAGE PLAN - SEGMENT 4
476	DD-60	DRAINAGE PLAN - SEGMENT 4
477	DD-61	DRAINAGE PLAN - SEGMENT 4
478	DD-62	DRAINAGE PLAN - SEGMENT 4
479	DD-63	DRAINAGE PLAN - SEGMENT 4
480	DD-64	DRAINAGE PLAN - SEGMENT 4 - SEGMENT 5
481	DD-65	DRAINAGE PLAN - SEGMENT 5
482	DD-66	DRAINAGE PLAN - SEGMENT 5
483	DD-66A	DRAINAGE PLAN - SEGMENT 5
484	DD-66B	DRAINAGE PLAN - SEGMENT 5
485	DD-66C	DRAINAGE PLAN - SEGMENT 5
486	DD-66D	DRAINAGE PLAN - SEGMENT 5
486A	DD-66E	DRAINAGE PLAN - SEGMENT 5
487	DD-67	DRAINAGE PLAN - SEGMENT 5
488	DD-68	DRAINAGE PLAN - SEGMENT 5
489	DD-69	DRAINAGE PLAN - SEGMENT 5
490	DD-70	DRAINAGE PLAN - SEGMENT 5
491	DD-71	DRAINAGE PLAN - SEGMENT 5
492	DD-71A	DRAINAGE PLAN - SEGMENT 5
493	DD-71B	DRAINAGE PLAN - SEGMENT 5
494	DD-71C	DRAINAGE PLAN - SEGMENT 5
495	DD-71D	DRAINAGE PLAN - SEGMENT 5
496	DD-71E	DRAINAGE PLAN - SEGMENT 5
497	DD-72	DRAINAGE PLAN - SEGMENT 5
498	DD-73	DRAINAGE PLAN - SEGMENT 5 - SEGMENT 6
499	DD-74	DRAINAGE PLAN - SEGMENT 6
500	DD-75	DRAINAGE PLAN - SEGMENT 6

SHEET NO.	DWG. NO.	DESCRIPTION
501	DD-76	DRAINAGE PLAN - SEGMENT 6
502	DD-77	DRAINAGE PLAN - SEGMENT 6
503	DD-78	DRAINAGE PLAN - SEGMENT 6
504	DD-79	DRAINAGE PLAN - SEGMENT 6
505	DD-80	DRAINAGE PLAN - SEGMENT 6
506	DD-81	DRAINAGE PLAN - SEGMENT 6
507	DD-82	DRAINAGE PLAN - SEGMENT 6
508	DD-83	DRAINAGE PLAN - SEGMENT 6
509	DD-84	DRAINAGE PLAN - SEGMENT 6
510	DD-85	DRAINAGE PLAN - SEGMENT 6
511	DD-86	DRAINAGE PLAN - SEGMENT 6
512	DD-87	DRAINAGE PLAN - SEGMENT 6
513	DD-88	DRAINAGE PLAN - SEGMENT 6
514	DD-89	DRAINAGE PLAN - SEGMENT 6 - SEGMENT 7
515	DD-89A	DRAINAGE PLAN - SEGMENT 6 - SEGMENT 7
516	DD-90	DRAINAGE PLAN - SEGMENT 7
517	DD-91	DRAINAGE PLAN - SEGMENT 7
518	ESC-01	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 1
519	ESC-02	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 1
520	ESC-03	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 1
521	ESC-04	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 1
522	ESC-05	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 1
523	ESC-06	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 1 - SEGMENT 2
524	ESC-07	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
525	ESC-08	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
526	ESC-08A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
527	ESC-09	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
528	ESC-10	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
529	ESC-11	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
530	ESC-12	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
531	ESC-13	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
532	ESC-14	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
533	ESC-15	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
534	ESC-16	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
535	ESC-17	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
536	ESC-17A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
537	ESC-18	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
538	ESC-19	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
539	ESC-20	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
540	ESC-21	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
541	ESC-22	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
542	ESC-23	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
543	ESC-24	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
544	ESC-25	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
545	ESC-26	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
546	ESC-27	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
547	ESC-28	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
548	ESC-29	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
549	ESC-30	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
550	ESC-31	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2

SHEET NO.	DWG. NO.	DESCRIPTION
551	ESC-32	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
552	ESC-33	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
553	ESC-33A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 2
554	ESC-34	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
555	ESC-34A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
556	ESC-35	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
557	ESC-36	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
558	ESC-37	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
559	ESC-38	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
560	ESC-39	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
561	ESC-40	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
562	ESC-41	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
563	ESC-41A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
564	ESC-42	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
565	ESC-43	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
566	ESC-44	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3
567	ESC-45	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 3 - SEGMENT 4
568	ESC-46	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
569	ESC-47	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
570	ESC-48	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
571	ESC-49	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
572	ESC-50	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
573	ESC-51	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
574	ESC-51A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
575	ESC-51B	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
576	ESC-51C	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
577	ESC-52	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
578	ESC-53	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
579	ESC-54	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
580	ESC-55	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
581	ESC-56	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
582	ESC-57	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
583	ESC-58	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
584	ESC-59	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
585	ESC-60	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
586	ESC-61	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
587	ESC-62	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
588	ESC-62A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
589	ESC-63	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4
590	ESC-64	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 4 - SEGMENT 5
591	ESC-65	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
592	ESC-66	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
593	ESC-67	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
594	ESC-68	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
595	ESC-69	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
596	ESC-70	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
597	ESC-71	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
598	ESC-71A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
599	ESC-71B	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
600	ESC-71C	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5



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MD 355 BUS RAPID TRANSIT (BRT)

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SHEET NO.	DWG. NO.	DESCRIPTION
601	ESC-71D	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
602	ESC-71E	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
603	ESC-72	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5
604	ESC-73	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 5 - SEGMENT 6
605	ESC-74	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
606	ESC-75	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
607	ESC-76	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
608	ESC-77	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
609	ESC-78	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
610	ESC-79	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
611	ESC-80	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
612	ESC-81	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
613	ESC-82	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
614	ESC-83	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
615	ESC-84	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
616	ESC-85	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
617	ESC-85A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
618	ESC-86	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
619	ESC-87	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
620	ESC-88	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6
621	ESC-89	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6 - SEGMENT 7
622	ESC-89A	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 6 - SEGMENT 7
623	ESC-90	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
624	ESC-91	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
625	ESC-92	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
626	ESC-93	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
627	ESC-94	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
628	ESC-95	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
629	ESC-96	EROSION AND SEDIMENT CONTROL PLAN - SEGMENT 7
630	ES-01	EROSION AND SEDIMENT CONTROL NOTES
630A	ES-02	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
630B	ES-03	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
631	ES-04	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
632	MT-00	MAINTENANCE OF TRAFFIC GENERAL NOTES
633	MT-01	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
634	MT-02	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
635	MT-03	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
636	MT-04	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
637	MT-05	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
638	MT-06	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
639	MT-07	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
640	MT-08	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
641	MT-09	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
642	SN-1	SIGNING AND MARKING GENERAL NOTES AND PROPOSALS
643	SN-2.1	SIGNING AND MARKING PLANS
644	SN-2.2	SIGNING AND MARKING PLANS
645	SN-2.3	SIGNING AND MARKING PLANS
646	SN-2.4	SIGNING AND MARKING PLANS
647	SN-2.5	SIGNING AND MARKING PLANS
648	SN-2.6	SIGNING AND MARKING PLANS
649	SN-2.7	SIGNING AND MARKING PLANS
650	SN-2.8	SIGNING AND MARKING PLANS

SHEET NO.	DWG. NO.	DESCRIPTION
651	SN-2.9	SIGNING AND MARKING PLANS
652	SN-2.10	SIGNING AND MARKING PLANS
653	SN-2.11	SIGNING AND MARKING PLANS
654	SN-2.12	SIGNING AND MARKING PLANS
655	SN-2.13	SIGNING AND MARKING PLANS
656	SN-2.14	SIGNING AND MARKING PLANS
657	SN-2.15	SIGNING AND MARKING PLANS
658	SN-2.16	SIGNING AND MARKING PLANS
659	SN-2.17	SIGNING AND MARKING PLANS
660	SN-2.18	SIGNING AND MARKING PLANS
661	SN-2.19	SIGNING AND MARKING PLANS
662	SN-2.20	SIGNING AND MARKING PLANS
663	SN-2.21	SIGNING AND MARKING PLANS
664	SN-2.22	SIGNING AND MARKING PLANS
665	SN-2.23	SIGNING AND MARKING PLANS
666	SN-2.24	SIGNING AND MARKING PLANS
667	SN-2.25	SIGNING AND MARKING PLANS
668	SN-2.26	SIGNING AND MARKING PLANS
669	SN-2.27	SIGNING AND MARKING PLANS
670	SN-2.28	SIGNING AND MARKING PLANS
671	SN-2.29	SIGNING AND MARKING PLANS
672	SN-2.30	SIGNING AND MARKING PLANS
673	SN-2.31	SIGNING AND MARKING PLANS
674	SN-2.32	SIGNING AND MARKING PLANS
675	SN-2.33	SIGNING AND MARKING PLANS
676	SN-2.34	SIGNING AND MARKING PLANS
677	SN-2.35	SIGNING AND MARKING PLANS
678	SN-2.36	SIGNING AND MARKING PLANS
679	SN-2.37	SIGNING AND MARKING PLANS
680	SN-2.38	SIGNING AND MARKING PLANS
681	SN-2.39	SIGNING AND MARKING PLANS
682	SN-2.40	SIGNING AND MARKING PLANS
683	SN-2.41	SIGNING AND MARKING PLANS
684	SN-2.42	SIGNING AND MARKING PLANS
685	SN-2.43	SIGNING AND MARKING PLANS
686	SN-2.44	SIGNING AND MARKING PLANS
687	SN-2.45	SIGNING AND MARKING PLANS
688	SN-2.46	SIGNING AND MARKING PLANS
689	SN-2.46A	SIGNING AND MARKING PLANS
690	SN-2.46B	SIGNING AND MARKING PLANS
691	SN-2.46C	SIGNING AND MARKING PLANS
692	SN-2.47	SIGNING AND MARKING PLANS
693	SN-2.47A	SIGNING AND MARKING PLANS
694	SN-2.48	SIGNING AND MARKING PLANS
695	SN-2.49	SIGNING AND MARKING PLANS
696	SN-2.50	SIGNING AND MARKING PLANS
697	SN-2.51	SIGNING AND MARKING PLANS
698	SN-2.52	SIGNING AND MARKING PLANS
699	SN-2.53	SIGNING AND MARKING PLANS
700	SN-2.54	SIGNING AND MARKING PLANS

SHEET NO.	DWG. NO.	DESCRIPTION
701	SN-2.55	SIGNING AND MARKING PLANS
702	SN-2.56	SIGNING AND MARKING PLANS
703	SN-2.57	SIGNING AND MARKING PLANS
704	SN-2.58	SIGNING AND MARKING PLANS
705	SN-2.59	SIGNING AND MARKING PLANS
706	SN-2.60	SIGNING AND MARKING PLANS
707	SN-2.61	SIGNING AND MARKING PLANS
708	SN-2.62	SIGNING AND MARKING PLANS
709	SN-2.63	SIGNING AND MARKING PLANS
710	SN-2.64	SIGNING AND MARKING PLANS
711	SN-2.65	SIGNING AND MARKING PLANS
712	SN-2.66	SIGNING AND MARKING PLANS
713	SN-2.66A	SIGNING AND MARKING PLANS
714	SN-2.66B	SIGNING AND MARKING PLANS
715	SN-2.66C	SIGNING AND MARKING PLANS
716	SN-2.66D	SIGNING AND MARKING PLANS
717	SN-2.66E	SIGNING AND MARKING PLANS
718	SN-2.67	SIGNING AND MARKING PLANS
719	SN-2.68	SIGNING AND MARKING PLANS
720	SN-2.69	SIGNING AND MARKING PLANS
721	SN-2.70	SIGNING AND MARKING PLANS
722	SN-2.71	SIGNING AND MARKING PLANS
723	SN-2.72	SIGNING AND MARKING PLANS
724	SN-2.73	SIGNING AND MARKING PLANS
725	SN-2.74	SIGNING AND MARKING PLANS
726	SN-2.75	SIGNING AND MARKING PLANS
727	SN-2.76	SIGNING AND MARKING PLANS
728	SN-2.77	SIGNING AND MARKING PLANS
729	SN-2.78	SIGNING AND MARKING PLANS
730	SN-2.79	SIGNING AND MARKING PLANS
731	SN-2.80	SIGNING AND MARKING PLANS
732	SN-2.81	SIGNING AND MARKING PLANS
733	SN-2.82	SIGNING AND MARKING PLANS
734	SN-2.83	SIGNING AND MARKING PLANS
735	SN-2.84	SIGNING AND MARKING PLANS
736	SN-3.1	SIGNING & PAVEMENT MARKING SIGN DETAILS
737	SN-3.2	PAVEMENT MARKING DETAIL SHEET
738	SN-3.3	SAMPLE TACTILE GUIDANCE CUES
739	SN-11.1	SIGNING & PAVEMENT MARKING INDEX OF QUANTITIES
740	SN-11.2	SIGNING & PAVEMENT MARKING INDEX OF QUANTITIES
741	S-1	STRUCTURAL GENERAL NOTES
742	S-2	BRIDGE NO. 150055001 TYPICAL SECTION
743	S-3	BRIDGE NO. 150055001 DECK MODIFICATION DETAILS
744	S-4	BRIDGE NO. 150194001 TYPICAL SECTION
745	S-5	BRIDGE NO. 150194001 DECK MODIFICATION DETAILS
746	S-6	CONCRETE REPAIR DETAILS
747	S-7	RETAINING WALL NO. RW-200R PLAN
748	S-8	RETAINING WALL NO. RW-201R PLAN (1 OF 2)
749	S-9	RETAINING WALL NO. RW-201R PLAN (2 OF 2)
750	S-10	RETAINING WALL NO. RW-202L PLAN

I-05



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)

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SHEET NO.	DWG. NO.	DESCRIPTION
751	S-11	RETAINING WALL NO. RW-203R PLAN (1 OF 2)
752	S-12	RETAINING WALL NO. RW-203R PLAN (2 OF 2)
753	S-13	RETAINING WALL NO. RW-204L PLAN (1 OF 5)
754	S-14	RETAINING WALL NO. RW-204L PLAN (2 OF 5)
755	S-15	RETAINING WALL NO. RW-204L PLAN (3 OF 5)
756	S-16	RETAINING WALL NO. RW-204L PLAN (4 OF 5)
757	S-17	RETAINING WALL NO. RW-204L PLAN (5 OF 5)
758	S-18	RETAINING WALL NO. RW-205R PLAN
759	S-19	RETAINING WALL NO. RW-206R PLAN
760	S-20	RETAINING WALL NO. RW-207R PLAN
761	S-21	RETAINING WALL NO. RW-208R PLAN
762	S-22	RETAINING WALL NO. RW-209R PLAN
763	S-23	RETAINING WALL NO. RW-210R PLAN (1 OF 2)
764	S-24	RETAINING WALL NO. RW-210R PLAN (2 OF 2)
765	S-25	RETAINING WALL NO. RW-211L PLAN
766	S-26	RETAINING WALL NO. RW-212L PLAN
767	S-27	RETAINING WALL NO. RW-213L PLAN
768	S-28	RETAINING WALL NO. RW-301L PLAN
769	S-29	RETAINING WALL NO. RW-302R PLAN (1 OF 2)
770	S-30	RETAINING WALL NO. RW-302R PLAN (2 OF 2)
771	S-31	RETAINING WALL NO. RW-303R PLAN (1 OF 3)
772	S-32	RETAINING WALL NO. RW-303R PLAN (2 OF 3)
773	S-33	RETAINING WALL NO. RW-303R PLAN (3 OF 3)
774	S-34	RETAINING WALL NO. RW-304L PLAN
775	S-35	RETAINING WALL NO. RW-305L PLAN
776	S-36	RETAINING WALL NO. RW-306L PLAN (1 OF 2)
777	S-37	RETAINING WALL NO. RW-306L PLAN (2 OF 2)
778	S-38	RETAINING WALL NO. RW-307L PLAN (1 OF 3)
779	S-39	RETAINING WALL NO. RW-307L PLAN (2 OF 3)
780	S-40	RETAINING WALL NO. RW-307L PLAN (3 OF 3)
781	S-41	RETAINING WALL NO. RW-401R PLAN & RW-402R
782	S-42	THIS SHEET INTENTIONALLY LEFT BLANK
783	S-43	RETAINING WALL NO. RW-403L PLAN
784	S-44	RETAINING WALL NO. RW-404L PLAN (1 OF 2)
785	S-45	RETAINING WALL NO. RW-404L PLAN (2 OF 2)
786	S-46	RETAINING WALL NO. RW-405L PLAN
787	S-47	RETAINING WALL NO. RW-406L PLAN (1 OF 2)
788	S-48	RETAINING WALL NO. RW-406L PLAN (2 OF 2)
789	S-49	THIS SHEET INTENTIONALLY LEFT BLANK
790	S-50	RETAINING WALL NO. RW-408R PLAN (1 OF 2)
791	S-51	RETAINING WALL NO. RW-408R PLAN (2 OF 2)
792	S-52	RETAINING WALL NO. RW-409L PLAN (1 OF 2)
793	S-53	RETAINING WALL NO. RW-409L PLAN (2 OF 2)
794	S-54	RETAINING WALL NO. RW-410L PLAN (1 OF 2)
795	S-55	RETAINING WALL NO. RW-410L PLAN (2 OF 2)
796	S-56	RETAINING WALL NO. RW-501R PLAN
797	S-57	RETAINING WALL NO. RW-601L PLAN
798	S-58	RETAINING WALL NO. RW-602L PLAN
799	S-59	RETAINING WALL NO. RW-603R PLAN
800	S-60	RETAINING WALL NO. RW-604L PLAN

SHEET NO.	DWG. NO.	DESCRIPTION
801	S-61	RETAINING WALL NO. RW-605R PLAN
802	S-62	RETAINING WALL NO. RW-606R PLAN
803	S-63	RETAINING WALL NO. RW-607R PLAN
804	S-64	RETAINING WALL TYPICAL SECTION (1 OF 2)
805	S-65	RETAINING WALL TYPICAL SECTION (2 OF 2)
806	AR-01	ARCHITECTURAL GENERAL NOTES, LEGEND, AND ABBREVIATIONS
807	AR-02	ARCHITECTURAL STATION LIST
808	AR-03	ARCHITECTURAL STATION TYPICAL SHELTER AND AMENITIES
809	AR-04	ARCHITECTURAL PLATFORM PROTOTYPE 1 PLAN
810	AR-05	ARCHITECTURAL PLATFORM PROTOTYPE 1 ELEVATION AND SECTIONS
811	AR-06	ARCHITECTURAL PLATFORM PROTOTYPE 2 PLAN
812	AR-07	ARCHITECTURAL PLATFORM PROTOTYPE 2 ELEVATION AND SECTIONS
813	AR-08	ARCHITECTURAL PLATFORM PROTOTYPE 3 PLAN
814	AR-09	ARCHITECTURAL PLATFORM PROTOTYPE 3 ELEVATION AND SECTIONS
815	AR-10	ARCHITECTURAL PLATFORM PROTOTYPES 4, 5, AND 6
816	AR-11	ARCHITECTURAL SITE PLAN AND ELEVATION SEG 2 GROSVENOR METRO
817	AR-12	ARCHITECTURAL SITE PLAN AND ELEVATION SEG 2 GROSVENOR METRO
818	AR-13	ARCHITECTURAL SITE PLAN SEG 2 SECURITY LANE
819	AR-14	ARCHITECTURAL ELEVATION SEG 2 SECURITY LANE
820	AR-15	ARCHITECTURAL SITE PLAN SEG 2 WHITE FLINT METRO
821	AR-16	ARCHITECTURAL ELEVATION SEG 2 WHITE FLINT METRO
822	AR-17	ARCHITECTURAL SITE PLAN SEG 2 BOU AVENUE
823	AR-18	ARCHITECTURAL ELEVATION SEG 2 BOU AVENUE
824	AR-19	ARCHITECTURAL SITE PLAN SEG 2 TWINBROOK METRO
825	AR-20	ARCHITECTURAL ELEVATION SEG 2 TWINBROOK METRO
826	AR-21	ARCHITECTURAL SITE PLAN SEG 2 EDMONSTON DRIVE
827	AR-22	ARCHITECTURAL ELEVATION SEG 2 EDMONSTON DRIVE
828	AR-23	ARCHITECTURAL SITE PLAN SEG 2 MOUNT VERNON PLACE
829	AR-24	ARCHITECTURAL ELEVATION SEG 2 MOUNT VERNON PLACE
830	AR-25	ARCHITECTURAL SITE PLAN AND ELEVATION SEG 3 ROCKVILLE METRO
831	AR-26	ARCHITECTURAL SITE PLAN AND ELEVATION SEG 3 ROCKVILLE METRO
832	AR-27	ARCHITECTURAL SITE PLAN AND ELEVATION SEG 3 MONTGOMERY COLLEGE
833	AR-28	ARCHITECTURAL SITE PLAN AND ELEVATION SEG 3 MONTGOMERY COLLEGE
834	AR-29	ARCHITECTURAL SITE PLAN SEG 4 SOMERVILLE DRIVE
835	AR-30	ARCHITECTURAL ELEVATION SEG 4 SOMERVILLE DRIVE
836	AR-31	ARCHITECTURAL SITE PLAN SEG 4 SOUTH WESTLAND DRIVE
837	AR-32	ARCHITECTURAL ELEVATION SEG 4 SOUTH WESTLAND DRIVE
838	AR-33	ARCHITECTURAL SITE PLAN SEG 4 EDUCATION BOULEVARD
839	AR-34	ARCHITECTURAL ELEVATION SEG 4 EDUCATION BOULEVARD
840	AR-35	ARCHITECTURAL SITE PLAN SEG 5 CEDAR AVENUE
841	AR-36	ARCHITECTURAL ELEVATION SEG 5 CEDAR AVENUE
842	AR-37	ARCHITECTURAL SITE PLAN SEG 5 ODENDHAL AVENUE
843	AR-38	ARCHITECTURAL ELEVATION SEG 5 ODENDHAL AVENUE
844	AR-39	ARCHITECTURAL SITE PLAN SEG 6 CHRISTOPHER AVENUE
845	AR-40	ARCHITECTURAL ELEVATION SEG 6 CHRISTOPHER AVENUE
846	AR-41	ARCHITECTURAL SITE PLAN SEG 6 WATKINS MILL ROAD
847	AR-42	ARCHITECTURAL ELEVATION SEG 6 WATKINS MILL ROAD
848	AR-43	ARCHITECTURAL SITE PLAN SEG 6 GUNNERS BRANCH ROAD
849	AR-44	ARCHITECTURAL ELEVATION SEG 6 GUNNERS BRANCH ROAD
850	AR-45	SHADY GROVE TRANSIT CENTER - CONCEPTUAL DESIGN

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852	AR-47	GROSVENOR TRANSIT CENTER - CONCEPTUAL DESIGN
853	TS-1	ITS NOTES AND LEGEND
854	TS-2	ITS STATION - GROSVENOR SOUTH
855	TS-3	ITS STATION - GROSVENOR NORTH
856	TS-4	ITS STATION - SECURITY LANE SOUTH
857	TS-5	ITS STATION - SECURITY LANE NORTH
858	TS-6	ITS STATION - WHITE FLINT METRO
859	TS-7	ITS STATION - BOU AVENUE SOUTH
860	TS-8	ITS STATION - BOU AVENUE NORTH
861	TS-9	ITS STATION - TWINBROOK METRO SB
862	TS-10	ITS STATION - TWINBROOK METRO NB
863	TS-11	ITS STATION - EDMONSTON DRIVE SB
864	TS-12	ITS STATION - EDMONSTON DRIVE NB
865	TS-13	ITS STATION - MOUNT VERNON PLACE
866	TS-14	ITS STATION - ROCKVILLE METRO NB
867	TS-15	ITS STATION - ROCKVILLE METRO SB
868	TS-16	ITS STATION - MONTGOMERY COLLEGE ROCKVILLE
869	TS-17	ITS STATION - KING FARM BLVD
870	TS-18	ITS STATION - SOUTH WESTLAND DRIVE SB
871	TS-19	ITS STATION - SOUTH WESTLAND DRIVE NB
872	TS-20	ITS STATION - EDUCATION BLVD SB
873	TS-21	ITS STATION - EDUCATION BLVD NB
874	TS-22	ITS STATION - ODENDHAL AVENUE SB
875	TS-23	ITS STATION - ODENDHAL AVENUE NB
876	TS-24	ITS STATION - LAKEFOREST TRANSIT CENTER - SB
877	TS-25	ITS STATION - LAKEFOREST TRANSIT CENTER - NB
878	TS-26	ITS STATION - CHRISTOPHER AVENUE - SB
879	TS-27	ITS STATION - CHRISTOPHER AVENUE - NB
880	TS-28	ITS STATION - MIDDLEBROOK ROAD SB
881	TS-29	ITS STATION - MIDDLEBROOK ROAD NB
882	TS-30	ITS STATION - WATKINS MILL ROAD SB
883	TS-31	ITS STATION - WATKINS MILL ROAD NB
883A	TS-32	ITS DETAILS
883B	TS-33	ITS STATION - COMMUNICATION ONE-LINE
884	LT-01	LIGHTING GENERAL NOTES
885	LT-02	CONCEPT LIGHTING PLAN
886	LT-03	CONCEPT LIGHTING PLAN
887	LT-04	PEDESTRIAN LIGHT POLE DETAILS

I-06



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)

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GENERAL NOTES

- THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED JULY 2021, ALL ERATA AND ADDENDA THERETO. THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND, AND 2016 WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C.) STANDARDS.
- FOR CONSTRUCTION, HORIZONTAL SHALL BE BASED ON NAD 83/91 DATUM AND VERTICAL SHALL BE BASED ON NAVD 1988 DATUM.
- WHEN THE DROP ON THE MAIN LINE THROUGH A STORM DRAIN STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1.5:1 OR FLATTER, A ROUNDED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES. WHEN THE INVERT SLOPES WOULD BE GREATER THAN 1.5:1 A SPECIAL INVERT SHALL BE CONSTRUCTED AS NOTED.
- ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE LINES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
- REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE COUNTY BEFORE PROCEEDING WITH CONSTRUCTION.
- CALL "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
- CLEARING IS TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
- ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS AND WATER QUALITY SWALES SHALL BE SODDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
- THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREATMENT, PLANTING, REMOVAL, OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060.
- THE LOCATION OF RIGHT-OF-WAY AND EASEMENT LINES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. PLEASE REFER TO THE APPROPRIATE RIGHT-OF-WAY PLATS.
- ALL UTILITY POLES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
- THE CONTRACTOR SHALL INSTALL PEDESTRIAN DETECTABLE WARNING SURFACES AT ALL SIDEWALK & PEDESTRIAN CROSSING LOCATIONS AS DIRECTED BY THE ENGINEER. THE WARNING SURFACES SHALL BE IN CONFORMANCE WITH ADA REQUIREMENTS AND THE PROJECT SPECIAL PROVISION.
- THE DESIGN FOR THIS PROJECT HAS INCORPORATED FACILITIES FOR THE ELDERLY AND HANDICAPPED IN COMPLIANCE WITH STATE AND FEDERAL LEGISLATION.

A.A.S.H.T.O. ... American Association of State Highway Transportation Officials
 ABAN Abandoned
 ABUT Abutment
 ADT Average Daily Traffic
 AHD Ahead
 APPROX. Approximate
 B or BL Baseline
 BK Back /Book
 BIT Bituminous
 B.C. Bituminous Concrete
 B.M. Bench Mark
 B.O.F. Bottom of Footing
 BOT Bottom
 BRG. Bearing
 C.C. Center of Curve
 CATV Cable Television
 C.B.R. California Bearing Ratio
 C.J. Contraction Joint
 C_l or CL Centerline
 CL Class or Clear
 CLF Chainlink Fence
 CMP Corrugated Metal Pipe
 C.O. Cleanout
 COMB. Combination
 CONC. Concrete
 CONSTR. Construction
 COR. Corner
 CORR. Correction
 C.Y. Cubic Yard
 DC Degree of Curve
 D.H.V. Design Hourly Volume
 D.I. Drop Inlet
 DIA Diameter
 D.O. Double Opening
 D.S. Design Speed
 DWG. Drawing

E East
 E Electric
 e External Distance
 EA Each
 E.B. Eastbound
 E.J. Expansion Joint
 EL or ELEV. ... Elevation
 E.R.C.C.P. Elliptical Reinforced Cement Concrete Pipe
 ES End Section
 EX or EXIST. ... Existing
 FT Feet
 F or FL Flowline
 F.B.D. Flat Bottom Ditch
 F.H. Fire Hydrant
 F.O. Fiber Optic
 F.S. Full Super Elevation
 FWD. Forward
 G Gas
 GL Gutterline
 GP General Purpose Roadway
 G.V. Gas Valve
 H.B. Handbox
 H.D.P. High Density Polyethylene
 HDWL Headwall
 H.E.R.C.P. Horizontal Elliptical Reinforced Concrete Pipe
 H.P. High Point
 H.S.D. Headlight Sight Distance
 IN Inch
 I.S.T. Inlet Sediment Trap
 INV Invert
 J.B. Junction Box
 K K Inlet
 L Length
 L.F. Linear Feet

ABBREVIATIONS

L.L. Liquid Limit
 LOD Limit of Disturbance
 LONG. Longitudinal
 L.P. Light Pole
 LT Left
 MAC. Macadam
 MAX. Maximum
 MB Micro Bio
 MC Moisture Content
 MDD Maximum Dry Content
 MOD. Modified
 MIN. Minimum
 MN Managed Roadway
 M.S.E. Mechanically Stabilized Earth
 N North
 NB Northbound
 NE Northeast
 NO. Number
 NP Non-Plastic
 N.T.S. Not To Scale
 O.C. On Center
 OH Overhead
 OMC Optimum Moisture
 PAV.T. Pavement
 PC Point of Curvature
 PCC Point of Compound Curvature
 PC Point of Crown
 PGE Profile Grade Elevation
 P.G.L. Profile Grade Line
 PGL Profile Ground Line
 R Right
 R Right of Way
 R.C.P. Reinforced Cement Pipe
 R.C.C.P. Reinforced Cement Concrete Pipe
 R.Q.D. Rock Quality Designation
 R.M. Rootmat
 S South
 SAN. Sanitary Sewer
 SB or SB Southbound
 S.D. Storm Drain
 S.D.D. Surface Drain Ditch
 SE Super Elevation
 SF Silt Fence
 S.F. Square Feet
 SHLDR. Shoulder
 SHA State Highway Administration
 SHA MB State Highway Administration Micro Bio
 SHT. Sheet
 S.P.P. Structural Plate Pipe
 S.P.T. Standard Penetration Testing
 S.S. Stainless Steel
 SSD Stopping Sight Distance
 SSF Super Silt Fence

PROP. Proposed
 PRC Point of Reverse Curve
 PT Point
 PT Point of Tangency
 PVC Point of Vertical Curve
 P.V.C. Polyvinyl Chloride
 PVI Point of Vertical Intersection
 PVRC Point of Vertical Reverse Curve
 PVT Point of Vertical Tangency
 R Radius
 REINF. Reinforcement
 REQ'D Required
 R.F. Rock Fragments
 RT Right
 RW or RW Right of Way
 R.C.P. Reinforced Cement Pipe
 R.C.C.P. Reinforced Cement Concrete Pipe
 R.Q.D. Rock Quality Designation
 R.M. Rootmat
 S South
 SAN. Sanitary Sewer
 SB or SB Southbound
 S.D. Storm Drain
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 SE Super Elevation
 SF Silt Fence
 S.F. Square Feet
 SHLDR. Shoulder
 SHA State Highway Administration
 SHA MB State Highway Administration Micro Bio
 SHT. Sheet
 S.P.P. Structural Plate Pipe
 S.P.T. Standard Penetration Testing
 S.S. Stainless Steel
 SSD Stopping Sight Distance
 SSF Super Silt Fence

STD. Standard
 STA. Station
 STIFF. Stiffener
 SO Single Opening
 S.Y. Square Yards
 SWM Stormwater Management
 T Tangent
 T Telephone
 T.C. Top of Cover
 TEMP. Temporary
 T.G. Top of Grate
 T.B.R. To Be Removed
 T or TL Traverse Line
 T.M. Top of Manhole
 T.O.F. Top of Footing
 TRAV. Traverse
 TS Temporary Swale
 T.S. Top of Slab
 T.S. Topsoil
 TYP. Typical
 U.D. Under Drain
 U.G. Underground
 U.O.N. Unless Otherwise Noted
 U.P. Utility Pole
 USC Unified Soil Classification
 USDA United States Department of Agriculture
 VCL Vertical Clearance
 V.C.L. Vertical Curve Length
 W Water
 W West
 W.B. Westbound
 WB Wetland Buffer
 W.M. Water Meter
 W.S. Wrapped Steel

DESIGN TRAFFIC DATA

ROADWAY	MD355 (ROCKVILLE PK, HUNGERFORD DR, FREDERICK RD)
CONTROLS / YEARS	2018
AVERAGE DAILY TRAFFIC (A.D.T.)	61,000
DESIGN HOURLY VOLUME (D.H.V.)	4,600
DIRECTIONAL DISTRIBUTION	52/48 DAILY (65/35 DHV)
% TRUCKS - A.D.T.	2.8%
% TRUCKS - D.H.V.	3.0%
DESIGN SPEED M.P.H.	VARIABLE (30-40 MPH)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL - OTHER
CONTROL OF ACCESS	UNCONTROLLED
INTENSITY OF DEVELOPMENT	URBAN
TERRAIN	ROLLING
ANTICIPATED POSTED SPEED	VARIABLE (30-40MPH)

SYMBOLS

EXISTING RIGHT OF WAY LINE	-----	LIMIT OF DISTURBANCE	-----
PROPOSED RIGHT OF WAY LINE	=====	SILT FENCE	-----
PROPOSED TRAFFIC BARRIER	=====	SUPER SILT FENCE	-----
EXISTING TRAFFIC BARRIER	-----	DIVERSION FENCE	-----
EXISTING WOOD FENCE LINE	-----	STONE CHECK DAM	-----
EXISTING CHAIN LINK FENCE LINE	-----	TEMPORARY STONE OUTLET STRUCTURE	-----
BASE OR SURVEY LINE	-----	TEMPORARY GABION OUTLET STRUCTURE	-----
EXISTING FIRE HYDRANT	-----	AT-GRADE INLET PROTECTION	-----
PROPOSED STORM DRAIN	-----	CURB INLET PROTECTION	-----
PROPOSED STORM DRAIN INLET	-----	MEDIAN INLET PROTECTION	-----
PROPOSED STORM DRAIN MANHOLE	-----	STANDARD INLET PROTECTION	-----
EXISTING STORM DRAIN	-----	COMBINATION INLET PROTECTION	-----
EXISTING INLET	-----	STABILIZED CONSTRUCTION ENTRANCE	-----
EXISTING UTILITY POLE	-----	PROPOSED UTILITY POLE	-----
EXISTING TREE	-----	PROPOSED UTILITY CONDUIT	-----
EXISTING TREE LINE	-----	PROPOSED UTILITY VAULT	-----
CUT SLOPE	-----	EXISTING GAS	-----
FILL SLOPE	-----	EXISTING WATER	-----
STREET LIGHT	-----	EXISTING SEWER	-----
STREET LIGHT HANDBOX	-----	EXISTING FIBER OPTIC	-----
STREET LIGHT CONDUIT	-----		
EXISTING CONTOUR (MINOR)	-----		
EXISTING CONTOUR (MAJOR)	-----		

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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 _____ 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)

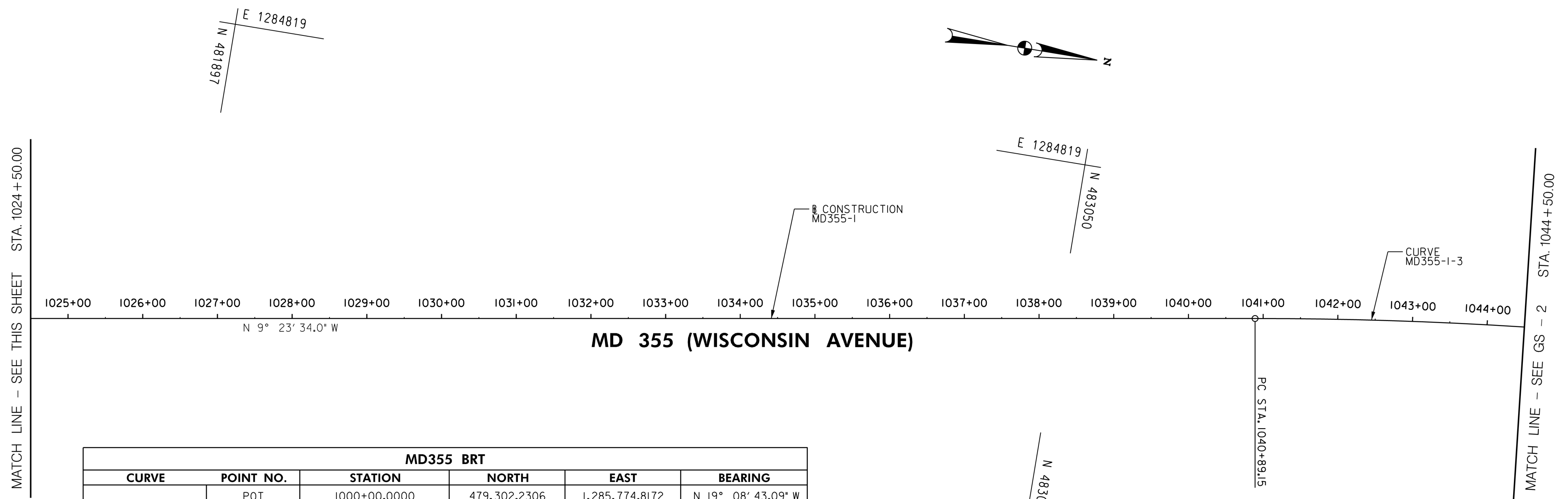
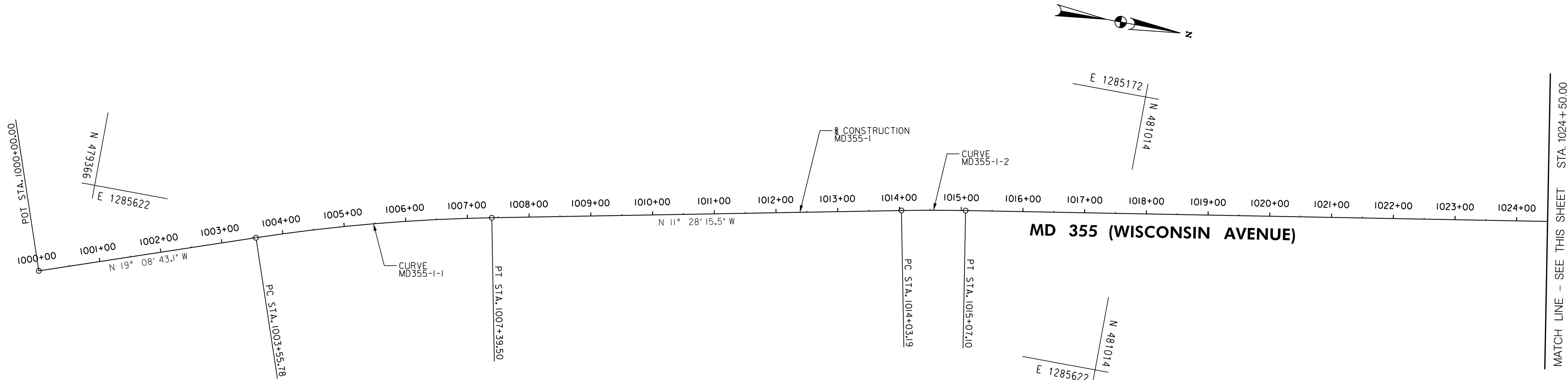
GENERAL NOTES, DESIGN TRAFFIC DATA, SYMBOLS & ABBREVIATIONS

SCALE : N.T.S. DATE : DECEMBER 2022

Project No. : 502005 SHEET 08 of 887

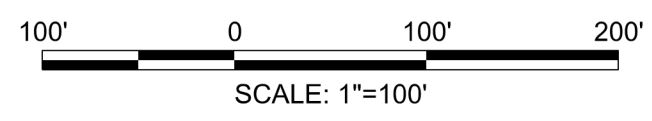
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MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	POT	1000+00.0000	479,302.2306	1,285,774.8172	N 19° 08' 43.09° W
MD355-1-1	PC	1003+55.7812	479,638.3335	1,285,658.1335	N 19° 08' 43.0924°
	PI	1005+47.9268	479,819.8515	1,285,595.1164	
	PT	1007+39.4977	480,008.1591	1,285,556.9042	N 11° 28' 15.5145°
	CC		480,577.8842	1,288,364.4716	
MD355-1-2	PC	1014+03.1864	480,658.5910	1,285,424.9154	N 11° 28' 15.5145°
	PI	1014+55.1470	480,709.5138	1,285,414.5819	
	PT	1015+07.0963	480,760.7778	1,285,406.1018	N 9° 23' 34.0000° W
	CC		481,228.3161	1,288,232.4828	
MD355-1-3	PC	1040+89.1485	483,308.2117	1,284,984.7068	N 9° 23' 34.0000° W
	PI	1043+31.9326	483,547.7408	1,284,945.0840	
	PT	1045+74.4264	483,789.7631	1,284,925.8664	N 4° 32' 24.0000° W
	CC		484,243.2883	1,290,637.4688	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-1-1	7° 40' 27.5780° RT	1° 59' 59.9974°	2,864.7900'	192.1456'	383.7165'	6.4365'
CURVE MD355-1-2	2° 04' 41.5145° RT	1° 59' 59.9974°	2,864.7900'	51.9607'	103.9100'	0.4712'
CURVE MD355-1-3	4° 51' 10.0000° RT	0° 59' 59.9987°	5,729.5800'	242.7841'	485.2780'	5.1415'



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

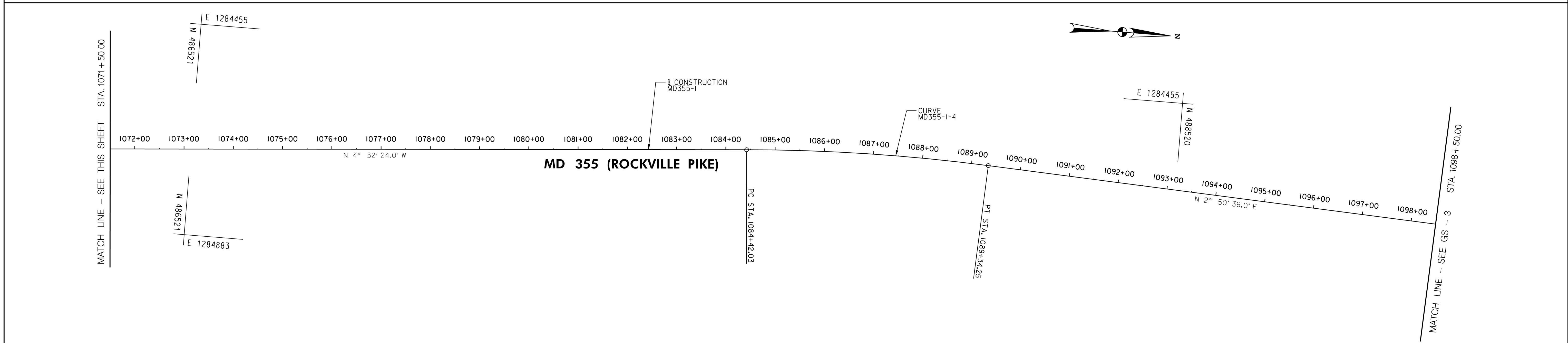
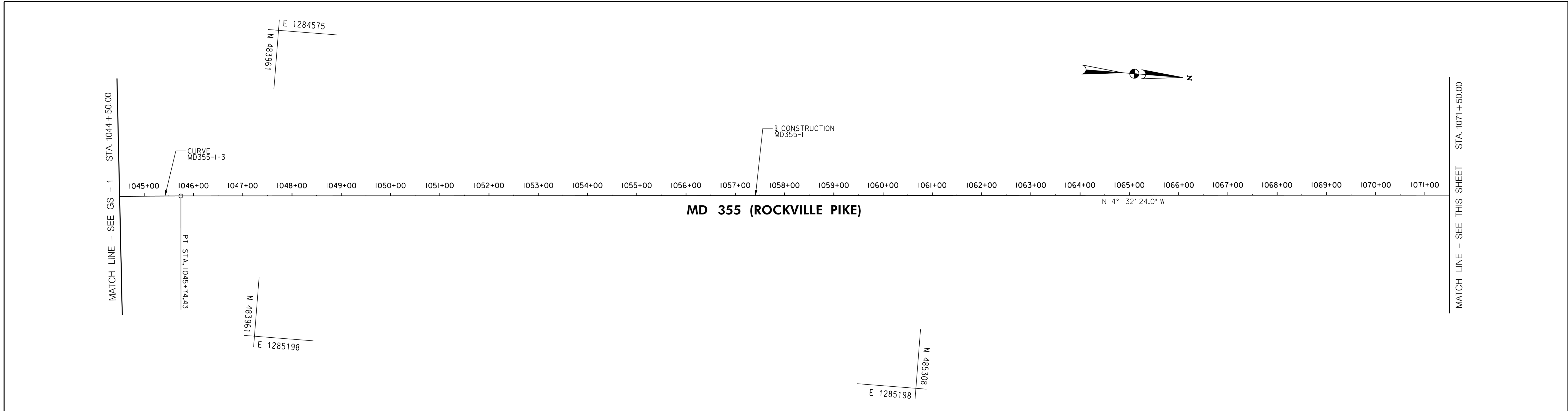
MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 09 of 887

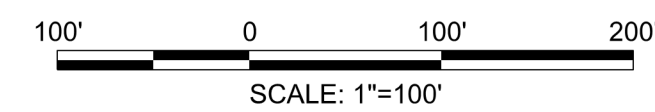
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MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-1-4	PC	1084+42.0289	487,645.2303	1,284,619.7261	N 4° 32' 24.0000\" W
	PI	1086+88.4812	487,890.9093	1,284,600.2182	
	PT	1089+34.2513	488,137.0582	1,284,612.4435	N 2° 50' 36.0000\" E
	CC	487,947.5804	1,288,427.4610		

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-1-4	7° 23' 00.0000\" RT	1° 29' 59.9981\"	3,819.7200'	246.4523'	492.2224'	7.9424'



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 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: _____

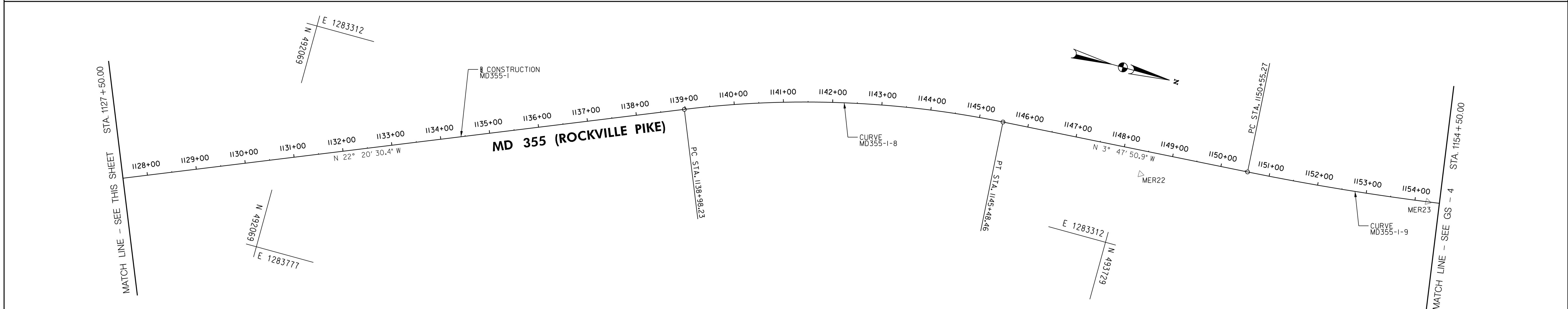
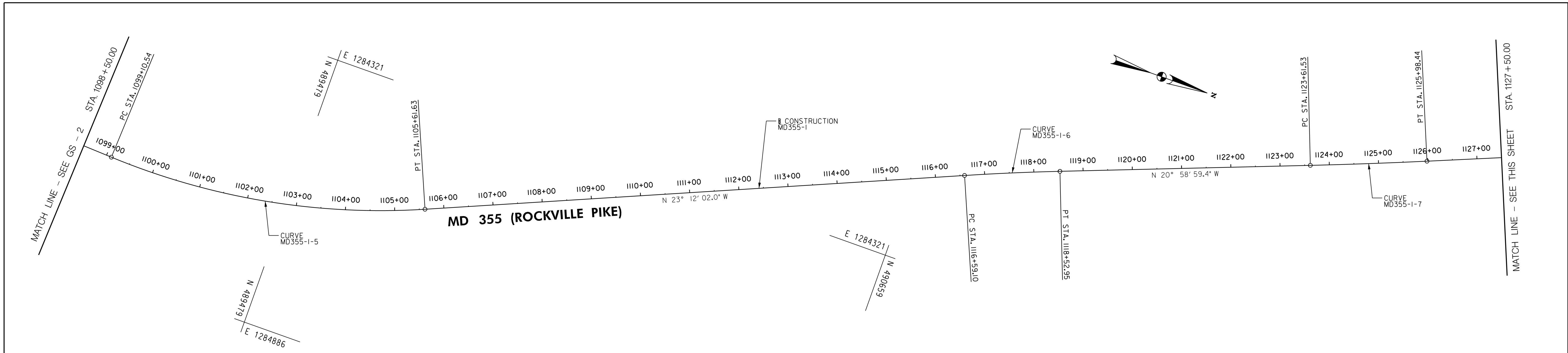
GS-02

MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 10 of 887

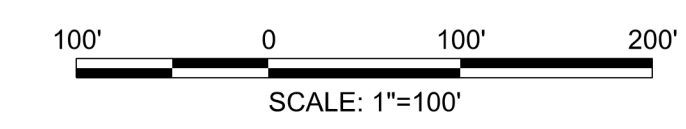
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MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-1-5	PC	1099+10.5394	489,112.1444	1,284,660.8724	N 2° 50' 36.0000" E
	PI	1102+41.8106	489,443.0078	1,284,677.3052	
	PT	1105+61.6346	489,747.4896	1,284,546.8006	N 23° 12' 02.0000"
	CC		489,183.1984	1,283,230.2458	
MD355-1-6	PC	1116+59.0991	490,756.2038	1,284,114.4536	N 23° 12' 02.0000"
	PI	1117+56.0374	490,845.3029	1,284,076.2647	
	PT	1118+52.9514	490,935.8127	1,284,041.5517	N 20° 58' 59.3866"
	CC		492,729.5035	1,288,718.3833	
MD355-1-7	PC	1123+61.5280	491,410.6634	1,283,859.4337	N 20° 58' 59.3866"
	PI	1124+79.9872	491,521.2671	1,283,817.0142	
	PT	1125+98.4353	491,630.8339	1,283,771.9842	N 22° 20' 30.3522"
	CC		487,832.9504	1,274,530.9799	
MD355-1-8	PC	1138+98.2313	492,833.0579	1,283,277.8922	N 22° 20' 30.3522"
	PI	1142+26.2150	493,136.4208	1,283,153.2156	
	PT	1145+48.4623	493,463.6843	1,283,131.4933	N 3° 47' 50.8911" W
	CC		493,596.7401	1,285,136.0823	
MD355-1-9	PC	1150+55.2733	493,969.3826	1,283,097.9273	N 3° 47' 50.8911" W
	PI	1152+77.1624	494,190.7846	1,283,083.2316	
	PT	1154+98.7595	494,410.0089	1,283,048.9466	N 8° 53' 19.0000" W
	CC		493,638.8295	1,278,117.8855	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-1-5	26° 02' 38.0000" LT	4° 00' 00.0451"	1,432.3900'	331.2712'	651.0952'	37.8078'
CURVE MD355-1-6	2° 13' 02.6134" RT	1° 08' 37.8839"	5,009.0000'	96.9383'	193.8523'	0.9379'
CURVE MD355-1-7	1° 21' 30.9656" LT	0° 34' 24.5061"	9,991.0000'	118.4592'	236.9073'	0.7022'
CURVE MD355-1-8	18° 32' 39.4610" RT	2° 51' 07.0386"	2,009.0000'	327.9836'	650.2309'	26.5968'
CURVE MD355-1-9	5° 05' 28.1088" LT	1° 08' 52.7350"	4,991.0000'	221.8891'	443.4862'	4.9299'

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER22	493,761.02800	1,283,159.77000	236.99
MER23	494,338.02500	1,283,059.64000	231.342



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GAITHERSBURG, MARYLAND

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

GS-03

MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 11 of 887

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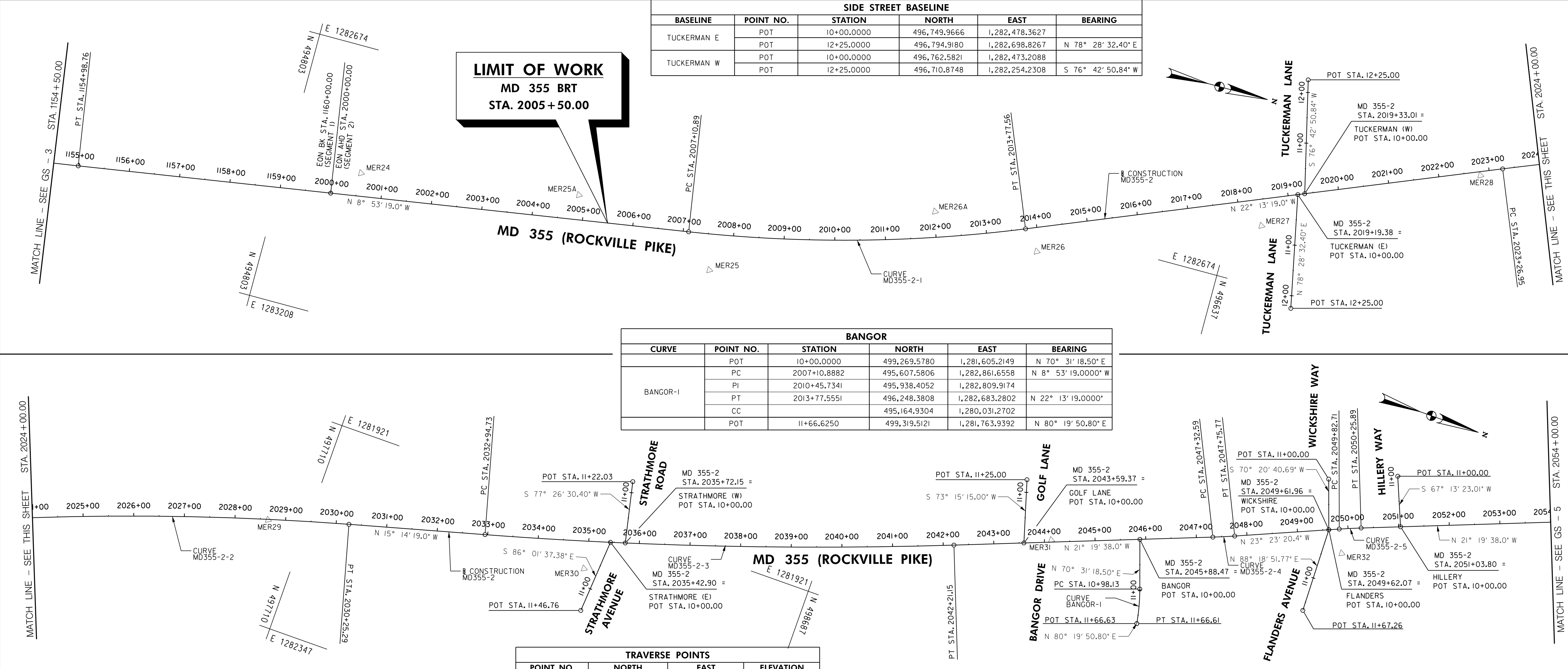
SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
TUCKERMAN E	POT	10+00.0000	496,749.9666	1,282,478.3627	
	POT	12+25.0000	496,794.9180	1,282,698.8267	N 78° 28' 32.40" E
TUCKERMAN W	POT	10+00.0000	496,762.5821	1,282,473.2088	
	POT	12+25.0000	496,710.8748	1,282,254.2308	S 76° 42' 50.84" W

LIMIT OF WORK
MD 355 BRT
STA. 2005 + 50.00

BANGOR					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
BANGOR-1	POT	10+00.0000	499,269.5780	1,281,605.2149	N 70° 31' 18.50" E
	PC	2007+10.8882	495,607.5806	1,282,861.6558	N 8° 53' 19.0000" W
	PI	2010+45.7341	495,938.4052	1,282,809.9174	
	PT	2013+77.5551	496,248.3808	1,282,683.2802	N 22° 13' 19.0000" W
	CC		495,164.9304	1,280,031.2702	
POT	11+66.6250	499,319.5121	1,281,763.9392	N 80° 19' 50.80" E	

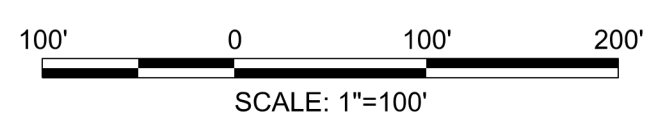
TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER23	494,338.0250	1,283,059.6400	231.342
MER24	494,952.89620	1,282,917.85237	246.57
MER25A	495,379.50983	1,282,847.84588	261.11
MER25	495,666.66435	1,282,924.13740	274.52
MER26A	496,066.99368	1,282,696.73524	284.78
MER26	496,281.45102	1,282,721.00447	296.02
MER27	496,696.61871	1,282,556.47730	310.49
MER28	497,088.31648	1,282,348.12629	325.02
MER29	497,634.93101	1,282,145.40018	315.58
MER30	498,254.70195	1,282,027.09418	306.97
MER31	499,105.33446	1,281,665.24290	333.63
MER32	499,654.26215	1,281,498.02846	334.56

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-2-1	13° 20' 00.0000" LT	1° 59' 59.9974"	2,864.7900'	334.8459'	666.6669'	19.5026'
CURVE MD355-2-2	6° 59' 00.0000" RT	0° 59' 59.9987"	5,729.5800'	349.5997'	698.3336'	10.6558'
CURVE MD355-2-3	6° 05' 19.0000" LT	0° 39' 25.9928"	8,717.8968'	463.6458'	926.4187'	12.3204'
CURVE MD355-2-4	2° 03' 42.3524" LT	4° 46' 28.7339"	1,200.0000'	21.5931'	43.1815'	0.1943'
CURVE MD355-2-5	2° 03' 42.3524" RT	4° 46' 28.7339"	1,200.0000'	21.5931'	43.1815'	0.1943'
BANGOR-1	9° 48' 32.2049" RT	14° 19' 26.2016"	400.0000'	34.3236'	68.4794'	1.4699'



MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	POT	1160+00.0000	494,905.2298	1,282,971.4979	N 8° 53' 19.00" W
	POT	2000+00.0000	494,905.2298	1,282,971.4979	N 8° 53' 19.00" W
MD355-2-1	PC	2007+10.8882	495,607.5806	1,282,861.6558	N 8° 53' 19.0000" W
	PI	2010+45.7341	495,938.4052	1,282,809.9174	
	PT	2013+77.5551	496,248.3808	1,282,683.2802	N 22° 13' 19.0000" W
	CC		495,164.9304	1,280,031.2702	
MD355-2-2	PC	2023+26.9529	497,127.2629	1,282,324.2223	N 22° 13' 19.0000" W
	PI	2026+76.5526	497,450.8963	1,282,192.0053	
	PT	2030+25.2865	497,788.2039	1,282,100.1168	N 15° 14' 19.0000" W
MD355-2-3	PC	2032+94.7318	498,048.1754	1,282,029.2959	N 15° 14' 19.0000" W
	PI	2037+58.3775	498,495.5192	1,281,907.4315	
	PT	2042+21.1505	498,927.4138	1,281,738.8064	N 21° 19' 38.0000" W
MD355-2-4	PC	2047+32.5864	499,403.8258	1,281,552.8003	N 21° 19' 38.0000" W
	PI	2047+54.1795	499,423.9402	1,281,544.9470	
	PT	2047+75.7679	499,443.7590	1,281,536.3752	N 23° 23' 20.3524" W
MD355-2-5	PC	2049+82.7069	499,633.6939	1,281,454.2263	N 23° 23' 20.3524" W
	PI	2050+04.3000	499,653.5127	1,281,445.6545	
	PT	2050+25.8884	499,673.6271	1,281,437.8012	N 21° 19' 38.0000" W
CC		500,110.0597	1,282,555.6235		

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
STRATHMORE E	POT	10+00.0000	498,314.6343	1,281,952.1333	
	POT	11+22.0253	498,288.1022	1,281,833.0275	S 77° 26' 30.40" W
STRATHMORE W	POT	10+00.0000	498,286.6577	1,281,960.6684	
	POT	11+46.7576	498,276.4896	1,282,107.0732	S 86° 01' 37.38" E
GOLF LANE	POT	10+00.0000	499,056.1634	1,281,688.5386	
	POT	11+25.0000	499,020.1475	1,281,568.8395	S 73° 15' 15.00" W
WICKSHIRE	POT	10+00.0000	499,614.6532	1,281,462.4617	
	POT	11+00.0000	499,581.0171	1,281,368.2884	S 70° 20' 40.69" W
FLANDERS	POT	10+00.0000	499,614.7550	1,281,462.4177	
	POT	11+67.2607	499,619.6750	1,281,629.6060	N 88° 18' 51.77" E
HILLERY	POT	10+00.0000	499,746.2032	1,281,409.4653	
	POT	11+00.0000	499,707.4887	1,281,317.2634	S 67° 13' 23.01" W



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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
APPROVED
SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering
Designed by: _____ Drawn by: _____ Checked by: _____

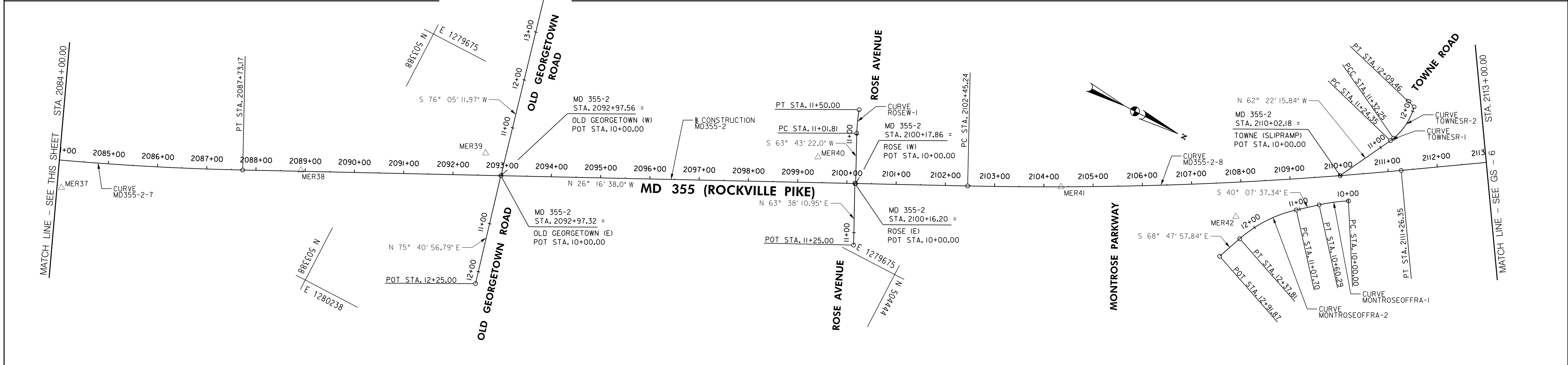
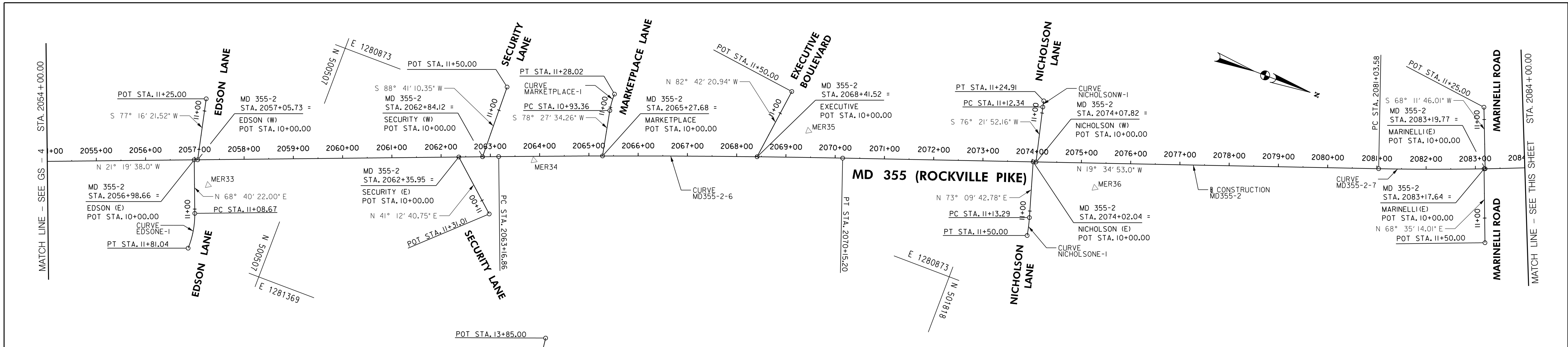
MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 12 of 887

GS-04

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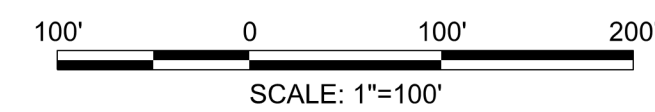


MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-2-6	PC	2063+16.8642	500,876.1950	1,280,968.2813	N 21° 19' 38.0000"
	PI	2066+66.0573	501,201.4749	1,280,841.2819	
	PT	2070+15.1964	501,530.4729	1,280,724.2514	N 19° 34' 53.0000"
	CC		509,211.4304	1,302,317.0784	
MD355-2-7	PC	2081+03.5842	502,555.9153	1,280,359.4830	N 19° 34' 53.0000"
	PI	2084+38.7569	502,871.7037	1,280,247.1514	
	PT	2087+73.1665	503,172.2405	1,280,098.7655	N 26° 16' 38.0000"
	CC		500,635.6759	1,274,961.2763	
MD355-2-8	PC	2102+45.2435	504,492.1968	1,279,447.0553	N 26° 16' 38.0000"
	PI	2106+86.2874	504,887.6642	1,279,251.7986	
	PT	2111+26.3532	505,258.0338	1,279,012.3283	N 32° 53' 08.0000"
	CC		501,110.1107	1,272,597.0696	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-2-6	1° 44' 45.0000" RT	0° 15' 00.0005"	22,918.2742'	349.1931'	698.3322'	2.6601'
CURVE MD355-2-7	6° 41' 45.0000" LT	1° 00' 00.0059"	5,729.5685'	335.1727'	669.5822'	9.7952'
CURVE MD355-2-8	6° 36' 30.0000" LT	0° 45' 00.0044"	7,639.4247'	441.0439'	881.1097'	12.7207'
CURVE EDSONE-1	22° 52' 24.1341" RT	31° 36' 14.4442"	181.2927'	36.6758'	72.3749'	3.6726'
CURVE MARKETPLACE-1	13° 14' 21.5438" RT	38° 11' 49.8708"	150.0000'	17.4078'	34.6605'	1.0067'
CURVE NICHOLSONE-1	6° 35' 17.5962" RT	17° 56' 52.7632"	319.2323'	18.3739'	36.7073'	0.5283'
CURVE NICHOLSONW-1	3° 36' 06.8711" RT	28° 38' 52.4031"	200.0000'	6.2886'	12.5730'	0.0988'
CURVE ROSEW-1	9° 12' 09.7893" RT	19° 05' 54.9354"	300.0000'	24.1446'	48.1853'	0.9700'
CURVE TOWNESR-1	4° 31' 25.9561" LT	57° 17' 44.8062"	100.0000'	3.9499'	7.8957'	0.0780'
CURVE TOWNESR-2	34° 58' 19.8094" LT	45° 17' 46.1978"	126.4915'	39.8488'	77.2078'	6.1284'
CURVE MONTROSEOFFRA-1	9° 52' 13.1548" LT	16° 22' 12.8018"	350.0000'	30.2220'	60.2944'	1.3024'
CURVE MONTROSEOFFRA-2	28° 40' 20.5029" LT	22° 02' 12.6178"	260.0000'	66.4480'	130.1111'	8.3567'

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER33	500,344.9498	1,281,231.21407	334.70
MER34	500,945.79170	1,280,950.27982	360.68
MER35	501,446.19455	1,280,697.15386	378.68
MER36	502,030.70354	1,280,599.88145	398.95
MER37	502,862.49138	1,280,300.55785	405.73
MER38	503,277.24400	1,280,044.30100	402.65
MER39	503,593.71400	1,279,840.26400	399.60
MER40	504,195.67987	1,279,535.61511	397.12
MER41	504,661.03273	1,279,361.05213	409.46
MER42	505,003.82614	1,279,250.80487	407.56

GS-05



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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)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 13 of 887

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SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
EDSON W	POT	10+00.0000	500,306.9159	1,281,190.5456	
	POT	11+25.0000	500,279.3769	1,281,068.6169	S 77° 16' 21.52" W
SECURITY E	POT	10+00.0000	500,800.8259	1,280,997.7077	
	POT	11+31.0068	500,899.3803	1,281,084.0200	N 41° 12' 40.75" E
SECURITY W	POT	10+00.0000	500,845.6905	1,280,980.1912	
	POT	11+50.0000	500,842.2513	1,280,830.2306	S 88° 41' 10.35" W
EXECUTIVE	POT	10+00.0000	501,367.0612	1,280,783.0783	
	POT	11+50.0000	501,386.1058	1,280,634.2922	N 82° 42' 20.94" W
MARINELLI E	POT	10+00.0000	502,756.2032	1,280,283.9936	
	POT	11+50.0000	502,810.9658	1,280,423.6397	N 68° 35' 14.01" E
MARINELLI W	POT	10+00.0000	502,758.1875	1,280,283.2026	
	POT	11+25.0000	502,711.7587	1,280,167.1450	S 68° 11' 46.01" W
OLD GEORGETOWN E	POT	10+00.0000	503,642.2335	1,279,866.7129	
	POT	12+25.0000	503,697.8751	1,280,084.7244	N 75° 40' 56.79" E
OLD GEORGETOWN W	POT	10+00.0000	503,642.4466	1,279,866.6077	
	POT	13+85.0000	503,549.8718	1,279,492.9034	S 76° 05' 11.97" W
ROSE E	POT	10+00.0000	504,286.8199	1,279,548.4573	
	POT	11+25.0000	504,342.3282	1,279,660.4565	N 63° 38' 10.95" E

EDSON E					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
EDSONE-1	POT	10+00.0000	500,300.3299	1,281,193.1170	N 68° 40' 22.00" E
	PC	11+08.6653	500,339.8508	1,281,294.3407	N 68° 40' 22.0000"
	PI	11+45.3412	500,353.1896	1,281,328.5049	
	PT	11+81.0402	500,352.2000	1,281,365.1674	S 88° 27' 13.8659"
	CC		500,170.9732	1,281,360.2758	

MARKETPLACE					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MARKETPLACE-1	POT	10+00.0000	501,072.9279	1,280,892.5115	S 78° 27' 34.26" W
	PC	10+93.3563	501,054.2510	1,280,801.0426	S 78° 27' 34.2577"
	PI	11+10.7641	501,050.7684	1,280,783.9867	
	PT	11+28.0168	501,051.2845	1,280,766.5866	N 88° 18' 04.1985"
	CC		501,201.2185	1,280,771.0335	

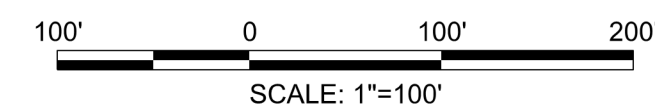
NICHOLSON E					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
NICHOLSONE-1	POT	10+00.0000	501,894.9428	1,280,594.6028	N 73° 09' 42.78" E
	PC	11+13.2927	501,927.7602	1,280,703.0383	N 73° 09' 42.7825"
	PI	11+31.6666	501,933.0825	1,280,720.6245	
	PT	11+50.0000	501,936.3520	1,280,738.7052	N 79° 45' 00.3788"
	CC		501,622.2143	1,280,795.5099	

NICHOLSON W					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
NICHOLSONW-1	POT	10+00.0000	501,900.3858	1,280,592.6667	S 76° 21' 52.16" W
	PC	11+12.3394	501,873.9024	1,280,483.4936	S 76° 21' 52.1645"
	PI	11+18.6280	501,872.4199	1,280,477.3822	
	PT	11+24.9124	501,871.3242	1,280,471.1898	S 79° 57' 59.0356"
	CC		502,068.2654	1,280,436.3447	

ROSE W					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
ROSEW-1	POT	10+00.0000	504,288.3117	1,279,547.7207	S 63° 43' 22.00" W
	PC	11+01.8143	504,243.2370	1,279,456.4276	S 63° 43' 22.0000"
	PI	11+25.9589	504,232.5478	1,279,434.7781	
	PT	11+49.9997	504,225.4586	1,279,411.6977	S 72° 55' 31.7892"
	CC		504,512.2357	1,279,323.6132	

MONTROSE OFF-RAMP					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MONTROSEOFFRA-1	PC	10+00.0000	505,191.7979	1,279,116.6636	S 30° 15' 24.1828"
	PI	10+30.2220	505,165.6929	1,279,131.8917	
	PT	10+60.2944	505,142.5846	1,279,151.3693	S 40° 07' 37.3376"
MONTROSEOFFRA-2	CC		505,368.1542	1,279,418.9854	
	PC	11+07.6954	505,106.3410	1,279,181.9186	S 40° 07' 37.3376"
	PI	11+74.1435	505,055.5336	1,279,224.7433	
	PT	12+37.8065	505,031.5037	1,279,286.6942	S 68° 47' 57.8405"
	CC		505,273.9070	1,279,380.7191	
	POT	12+91.8681	505,011.9532	1,279,337.0969	S 68° 47' 57.84" E

TOWNE SLIP-RAMP					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
TOWNESR-1	POT	10+00.0000	505,153.2122	1,279,078.9011	N 62° 22' 15.84" W
	PC	11+24.3532	505,210.8802	1,278,968.7280	N 62° 22' 15.8407"
	PI	11+28.3031	505,212.7119	1,278,965.2285	
	PCC	11+32.2488	505,214.2619	1,278,961.5955	N 66° 53' 41.7968"
	CC		505,122.2832	1,278,922.3536	
TOWNESR-2	PCC	11+32.2488	505,214.2619	1,278,961.5955	N 66° 53' 41.7968"
	PI	11+72.0977	505,229.8993	1,278,924.9430	
	PT	12+09.4566	505,221.7047	1,278,885.9459	S 78° 07' 58.3939"
	CC		505,097.9167	1,278,911.9579	



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 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: _____

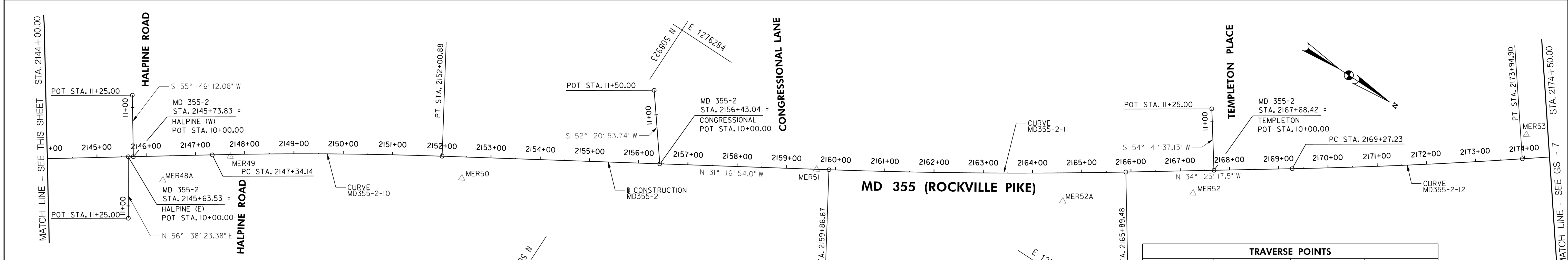
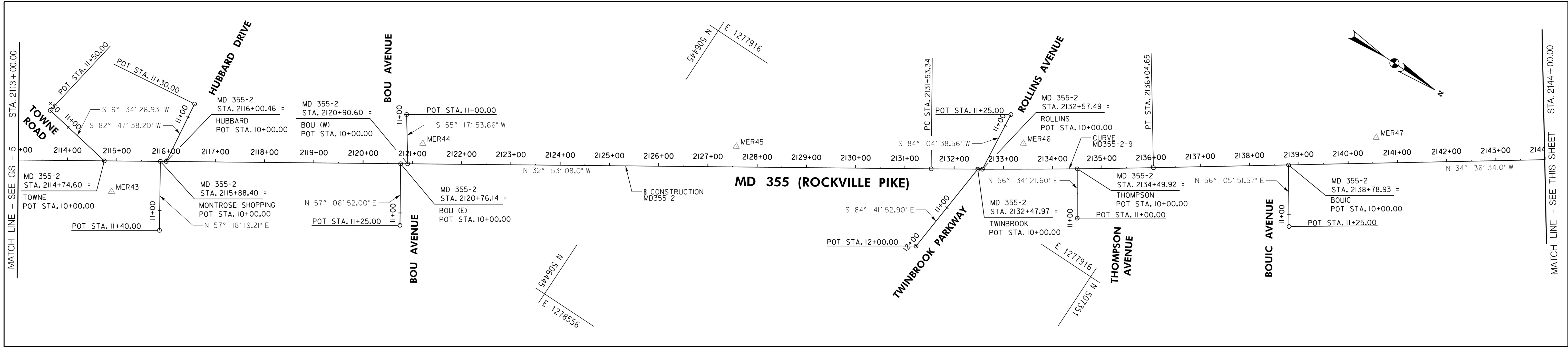
GS-05A

MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 14 of 887

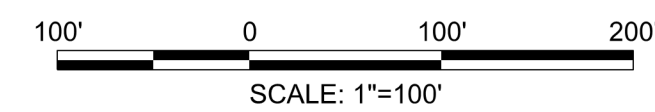


SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
TOWNE	POT	10+00.0000	505,550.4746	1,278,823.2444	
	POT	11+50.0000	505,402.5639	1,278,798.2958	S 9° 34' 26.93" W
MONTROSE SHOPPING	POT	10+00.0000	505,646.0424	1,278,761.4530	
	POT	11+40.0000	505,721.6651	1,278,879.2715	N 57° 18' 19.21" E
HUBBARD	POT	10+00.0000	505,656.1670	1,278,754.9067	
	POT	11+30.0000	505,639.8600	1,278,625.9335	S 82° 47' 38.20" W
BOU E	POT	10+00.0000	506,055.6231	1,278,496.6298	
	POT	11+25.0000	506,123.4935	1,278,601.5994	N 57° 06' 52.00" E
BOU W	POT	10+00.0000	506,067.7695	1,278,488.7762	
	POT	11+00.0000	506,010.8391	1,278,406.5636	S 55° 17' 53.66" W
TWINBROOK	POT	10+00.0000	507,039.5122	1,277,860.1198	
	POT	12+00.0000	507,021.0312	1,278,059.2641	S 84° 41' 52.90" E
ROLLINS	POT	10+00.0000	507,047.4695	1,277,854.8997	
	POT	11+25.0000	507,034.5713	1,277,730.5669	S 84° 04' 38.56" W
THOMPSON	POT	10+00.0000	507,207.6527	1,277,748.2658	
	POT	11+00.0000	507,262.7406	1,277,831.7243	N 56° 34' 21.60" E
BOUIC	POT	10+00.0000	507,561.2031	1,277,505.2547	
	POT	11+25.0000	507,630.9255	1,277,609.0034	N 56° 05' 51.57" E
HALPINE E	POT	10+00.0000	508,124.6590	1,277,116.4154	
	POT	11+25.0000	508,193.3965	1,277,220.8192	N 56° 38' 23.38" E
HALPINE W	POT	10+00.0000	508,133.1315	1,277,110.5685	
	POT	11+25.0000	508,062.8170	1,277,007.2202	S 55° 46' 12.08" W
CONGRESSIONAL	POT	10+00.0000	509,034.5817	1,276,536.1289	
	POT	11+50.0000	508,942.9527	1,276,417.3682	S 52° 20' 53.74" W
TEMPLETON	POT	10+00.0000	509,982.2129	1,275,929.5848	
	POT	11+25.0000	509,909.9694	1,275,827.5756	S 54° 41' 37.13" W

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-2-9	PC	2131+53.3396	506,960.2094	1,277,911.7501	N 32° 53' 08.0000" E
	PI	2133+79.0131	507,149.7203	1,277,789.2178	
	PT	2136+04.6526	507,335.4592	1,277,661.0399	N 34° 36' 34.0000" E
	CC		498,815.7679	1,265,315.3985	
MD355-2-10	PC	2147+34.1424	508,265.0776	1,277,019.5129	N 34° 36' 34.0000" E
	PI	2149+67.5762	508,457.2036	1,276,886.9273	
	PT	2152+00.8788	508,656.7020	1,276,765.7178	N 31° 16' 54.0000" E
	CC		512,829.3603	1,283,633.4845	
MD355-2-11	PC	2159+86.6706	509,328.2593	1,276,357.6988	N 31° 16' 54.0000" E
	PI	2162+88.1510	509,585.9121	1,276,201.1564	
	PT	2165+89.4806	509,834.6037	1,276,030.7364	N 34° 25' 17.4989" E
	CC		503,616.5569	1,266,956.8236	
MD355-2-12	PC	2169+27.2279	510,113.2118	1,275,839.8157	N 34° 25' 17.4989" E
	PI	2171+61.1083	510,306.1400	1,275,707.6084	
	PT	2173+94.9034	510,492.6765	1,275,566.5263	N 37° 06' 04.0000" E
	CC		504,460.4420	1,267,590.8040	

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER43	505,597.24145	1,278,867.42899	401.67
MER44	506,070.74345	1,278,437.82748	398.08
MER45	506,605.04353	1,278,091.90671	395.86
MER46	507,087.95626	1,277,765.58214	401.01
MER47	507,679.24816	1,277,360.86922	396.72
MER48A	508,209.50785	1,277,117.74332	396.43
MER49	508,297.46300	1,277,002.10300	396.44
MER50	508,714.51700	1,276,781.31200	393.63
MER51	509,306.76840	1,276,370.86545	390.95
MER52	509,972.43644	1,275,991.82731	387.76
MER52A	509,760.02359	1,276,150.64822	388.04
MER53	510,472.73569	1,275,521.07776	397.65

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-2-9	1° 43' 26.0000" LT	0° 22' 55.0987"	15,000.0000'	225.6736'	451.3131'	1.6975'
CURVE MD355-2-10	3° 19' 40.0000" RT	0° 42' 46.7597"	8,036.0000'	233.4338'	466.7363'	3.3897'
CURVE MD355-2-11	3° 08' 23.4989" LT	0° 31' 15.1346"	11,000.0000'	301.4805'	602.8100'	4.1306'
CURVE MD355-2-12	2° 40' 46.5011" LT	0° 34' 22.6481"	10,000.0000'	233.8804'	467.6756'	2.7346'



PROFESSIONAL CERTIFICATION:
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LICENSE NO. _____ EXPIRATION DATE: _____

NO.	REVISION	DATE	BY

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

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Chief, Design Section
APPROVED
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Chief, Division of Transportation Engineering

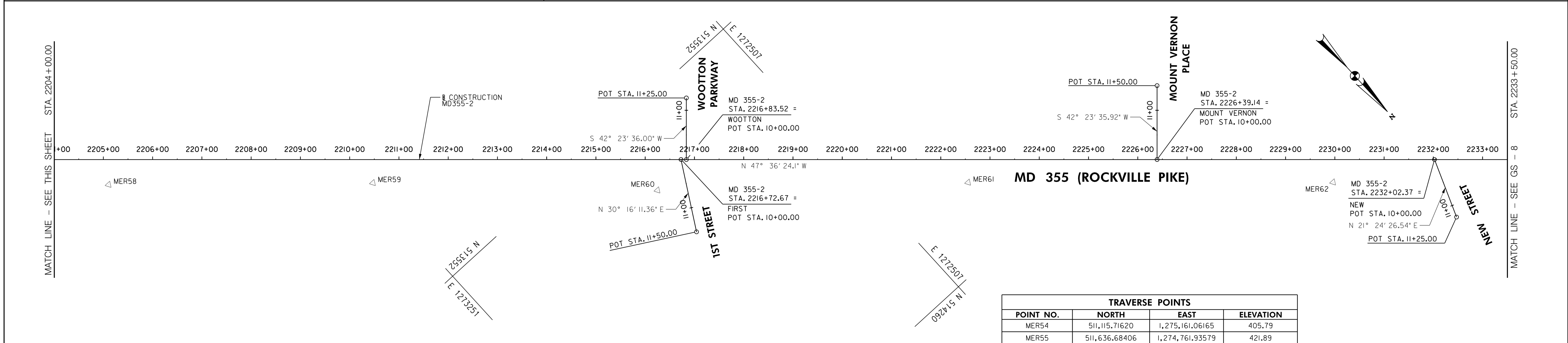
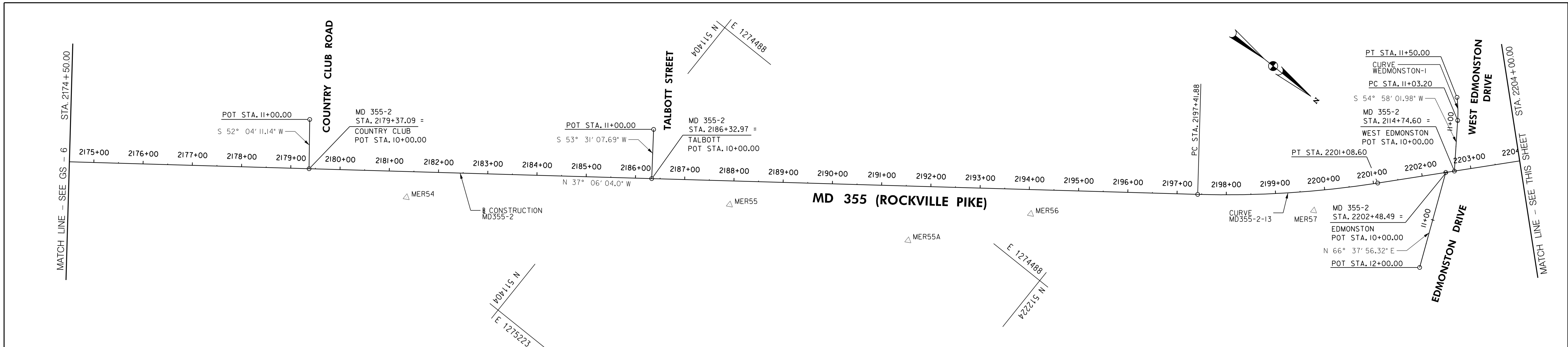
Designed by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 15 of 887

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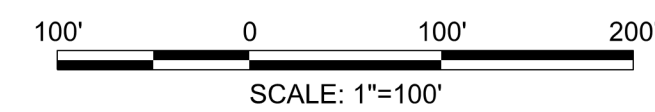
MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-2-13	PC	2197+41.8820	512,364.5615	1,274,150.7738	N 37° 06' 04.0000"
	PI	2199+25.7544	512,511.2130	1,274,039.8577	
	PT	2201+08.5959	512,635.1827	1,273,904.0616	N 47° 36' 24.0841"
	CC		511,158,1145	1,272,555.6293	

WEST EDMONSTON					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
WEDMONSTON-1	POT	10+00.0000	512,741.4258	1,273,787.6833	S 54° 58' 01.98" W
	PC	11+03.1977	512,682.1857	1,273,703.1825	S 54° 58' 01.9792"
	PI	11+26.6674	512,668.7130	1,273,683.9650	
	PT	11+49.9999	512,651.8991	1,273,667.5908	S 44° 14' 27.4645"
CC		512,477.4797	1,273,846.6938		

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
COUNTRY CLUB	POT	10+00.0000	510,925.1078	1,275,239.4679	
	POT	11+00.0000	510,863.6377	1,275,160.5920	S 52° 04' 11.4" W
TALBOTT	POT	10+00.0000	511,480.1270	1,274,819.6932	
	POT	11+00.0000	511,420.6712	1,274,739.2881	S 53° 31' 07.69" W
EDMONSTON	POT	10+00.0000	512,729.5009	1,273,800.7458	
	POT	12+00.0000	512,808.8270	1,273,984.3414	N 66° 37' 56.32" E
FIRST	POT	10+00.0000	513,689.7096	1,272,748.9365	
	POT	11+50.0000	513,819.2587	1,272,824.5474	N 30° 16' 11.36" E
WOOTTON	POT	10+00.0000	513,697.0251	1,272,740.9231	
	POT	11+25.0000	513,604.7084	1,272,656.6461	S 42° 23' 36.00" W
MOUNT VERNON	POT	10+00.0000	514,341.3139	1,272,035.1713	
	POT	11+50.0000	514,230.5338	1,271,934.0389	S 42° 23' 35.92" W
NEW	POT	10+00.0000	514,721.0465	1,271,619.1906	
	POT	11+25.0000	514,837.4226	1,271,664.8152	N 21° 24' 26.54" E

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER54	511,115.71620	1,275,161.06165	405.79
MER55	511,636.68406	1,274,761.93579	421.89
MER55A	511,964.74009	1,274,591.77729	423.60
MER56	512,125.24735	1,274,393.98173	424.37
MER57	512,569.08648	1,274,029.01903	429.31
MER58	512,943.99070	1,273,641.56389	434.40
MER59	513,303.05895	1,273,242.86735	419.32
MER60	513,703.68908	1,272,826.23402	407.03
MER61	514,117.18457	1,272,349.89925	410.63
MER62	514,616.40084	1,271,802.34744	431.97

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-2-13	10° 30' 20.0841" LT	2° 51' 53.2403"	2,000.0000'	183.8724'	366.7139'	8.4345'
CURVE WEDMONSTON-1	10° 43' 34.5147" LT	22° 55' 05.9225"	250.0000'	23.4696'	46.8021'	1.0992'



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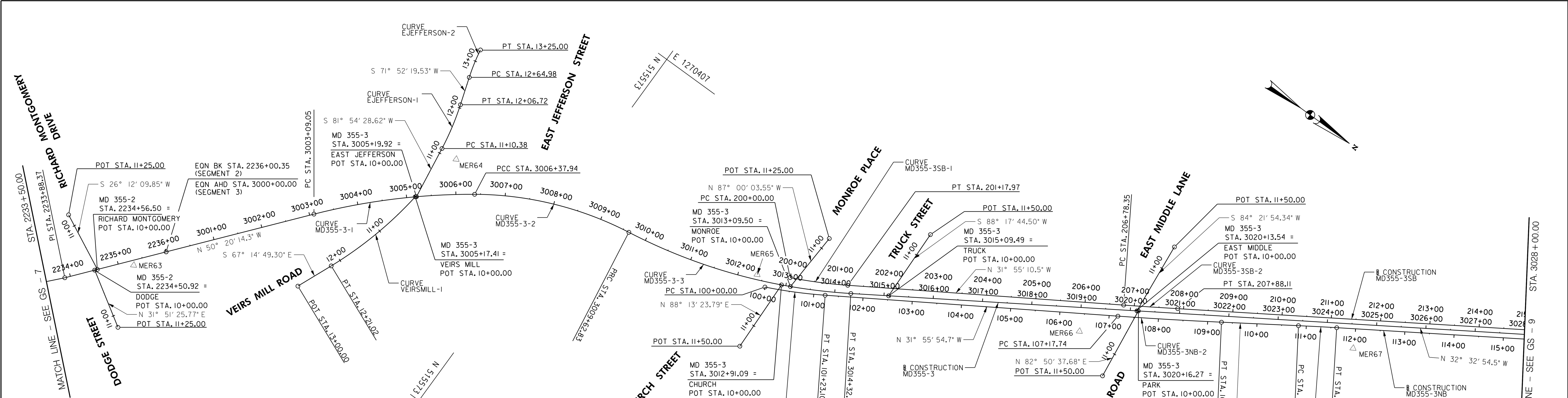
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

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

MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

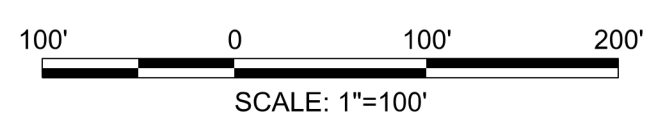
Project No.: 502005 SHEET 16 of 887



TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER63	514,944.55105	1,271,379.28219	437.78
MER64	515,346.89200	1,270,821.57100	437.63
MER65	515,977.51800	1,270,651.54900	431.258
MER66	516,573.20845	1,270,360.65957	420.63
MER67	517,041.96659	1,270,062.44659	428.41

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	PI	2233+88.3741	514,846.4622	1,271,481.8337	N 50° 20' 14.32" W
	POT	2236+00.3505	514,981.7596	1,271,318.6510	N 50° 20' 14.32" W
	POT	3000+00.0000	514,981.7596	1,271,318.6510	N 50° 20' 14.32" W
MD355-3-1	PC	3003+09.0498	515,179.0158	1,271,080.7397	N 50° 20' 14.3218" W
	PI	3004+74.3885	515,284.5460	1,270,953.4594	
	PCC	3006+37.9357	515,418.7538	1,270,856.8925	N 35° 44' 10.4753" W
	CC		516,172.5204	1,271,904.4708	
MD355-3-2	PCC	3006+37.9357	515,418.7538	1,270,856.8925	N 35° 44' 10.4753" W
	PI	3008+03.4743	515,553.1238	1,270,760.2089	
	PRC	3009+62.8284	515,716.7752	1,270,735.2839	N 8° 39' 35.6830" W
MD355-3-3	CC		515,820.2915	1,271,414.9461	
	PRC	3009+62.8284	515,716.7752	1,270,735.2839	N 8° 39' 35.6830" W
	PI	3012+01.2343	515,952.4631	1,270,699.3874	
	PT	3014+32.7129	516,153.4241	1,270,571.1220	N 32° 32' 54.4651" W
	CC		515,547.0837	1,269,621.1323	

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
RICHARD MONTGOMERY	POT	10+00.0000	514,889.9429	1,271,429.3914	
	POT	11+25.0000	514,777.7883	1,271,374.1978	S 26° 12' 09.85" W
DODGE	POT	10+00.0000	514,886.3802	1,271,433.6884	
	POT	11+25.0000	514,992.5510	1,271,499.6638	N 31° 51' 25.77" E
MONROE	POT	10+00.0000	516,046.1504	1,270,631.6082	
	POT	11+25.0000	516,052.6902	1,270,506.7794	N 87° 00' 03.55" W
CHURCH	POT	10+00.0000	516,029.5761	1,270,639.6264	
	POT	11+50.0000	516,034.2268	1,270,789.5542	N 88° 13' 23.79" E
TRUCK	POT	10+00.0000	516,218.1466	1,270,529.8122	
	POT	11+50.0000	516,213.6854	1,270,379.8785	S 88° 17' 44.50" W
EAST MIDDLE	POT	10+00.0000	516,643.0208	1,270,258.6320	
	POT	11+50.0000	516,628.2924	1,270,109.3568	S 84° 21' 54.34" W
PARK	POT	10+00.0000	516,645.3280	1,270,257.1594	
	POT	11+50.0000	516,664.0142	1,270,405.9910	N 82° 50' 37.68" E



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VEIRSMILL					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
VEIRSMILL-1	PC	10+00.0000	515,324.3460	1,270,931.7506	S 83° 37' 27.3280" W
	PI	11+11.2702	515,311.9897	1,271,042.3326	
	PT	12+21.0232	515,268.9550	1,271,144.9439	S 67° 14' 49.3039" W
	CC		514,555.8785	1,270,845.8826	
	POT	13+00.0000	515,238.4100	1,271,217.7748	S 67° 14' 49.30" E

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-3NB-1	PC	100+00.0000	516,005.0070	1,270,662.7689	N 24° 34' 30.9209" W
	PI	100+61.6341	516,061.0580	1,270,637.1360	
	PT	101+23.0988	516,113.3655	1,270,604.5371	N 31° 55' 54.6831" W
	CC		515,606.2799	1,269,790.8788	
MD355-3NB-2	PC	107+17.7416	516,618.0256	1,270,290.0244	N 31° 55' 54.6831" W
	PI	108+22.8845	516,707.2580	1,270,234.4132	
	PT	109+28.0152	516,794.9980	1,270,176.4762	N 33° 26' 16.1878" W
	CC		512,386.7434	1,263,500.6024	
MD355-3NB-3	PC	110+84.1917	516,925.3248	1,270,090.4180	N 33° 26' 16.1878" W
	PI	111+22.9984	516,957.7085	1,270,069.0342	
	PT	111+61.8036	516,990.4201	1,270,048.1557	N 32° 32' 54.4651" W
MD355-3SB-1	PC	200+00.0000	516,034.9559	1,270,617.3639	N 24° 54' 55.7187" W
	PI	200+59.0566	516,088.5161	1,270,592.4844	
	PT	201+17.9661	516,138.6429	1,270,561.2595	N 31° 55' 10.4962" W
MD355-3SB-2	CC		515,628.4199	1,269,742.1762	
	PC	206+78.3473	516,614.2894	1,270,264.9701	N 31° 55' 10.4962" W
	PI	207+33.2280	516,660.8716	1,270,235.9531	
	PT	207+88.1076	516,707.1326	1,270,206.4265	N 32° 32' 54.4651" W
	CC		511,327.0047	1,261,777.0597	

EAST JEFFERSON					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
EJEFFERSON-1	POT	10+00.0000	515,326.2383	1,270,930.1039	S 81° 54' 28.62" W
	PC	11+10.3824	515,310.7004	1,270,820.8206	S 81° 54' 28.6184" W
	PI	11+58.6746	515,303.9026	1,270,773.0092	
	PT	12+06.7197	515,288.8770	1,270,727.1140	S 71° 52' 19.5280" W
EJEFFERSON-2	CC		514,766.1767	1,270,898.2407	
	PC	12+64.9769	515,270.7509	1,270,671.7485	S 71° 52' 19.5280" W
	PI	12+95.0449	515,261.3956	1,270,643.1730	
	PT	13+25.0000	515,256.4173	1,270,613.5200	S 80° 28' 11.541" W
	CC		515,650.8966	1,270,547.2927	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-3-1	14° 36' 03.8465" RT	4° 26' 22.3938"	1,290.5752'	165.3387'	328.8859'	10.5479'
CURVE MD355-3-2	27° 04' 34.7923" RT	8° 20' 02.1536"	687.5000'	165.5386'	324.8927'	19.6487'
CURVE MD355-3-3	23° 53' 18.7821" LT	5° 05' 02.1124"	1,127.0000'	238.4059'	469.8845'	24.9403'
CURVE MD355-3NB-1	7° 21' 23.7622" LT	5° 58' 34.2351"	958.7364'	61.6341'	123.0988'	1.9791'
CURVE MD355-3NB-2	1° 30' 21.5047" LT	0° 42' 58.3101"	8,000.0000'	105.1428'	210.2736'	0.6909'
CURVE MD355-3NB-3	0° 53' 21.7227" RT	1° 08' 45.2961"	5,000.0000'	38.8068'	77.6119'	0.1506'
CURVE MD355-3SB-1	7° 00' 14.7775" LT	5° 56' 14.5913"	965.0000'	59.0566'	117.9661'	1.8054'
CURVE MD355-3SB-2	0° 37' 43.9689" LT	0° 34' 22.6481"	10,000.0000'	54.8807'	109.7603'	0.1506'
CURVE VEIRSMILL-1	16° 22' 38.0242" RT	7° 24' 35.0434"	773.2501'	111.2702'	221.0232'	7.9648'
CURVE EJEFFERSON-1	10° 02' 09.0904" LT	10° 25' 02.6920"	550.0000'	48.2922'	96.3373'	2.1161'
CURVE EJEFFERSON-2	8° 35' 51.6261" RT	14° 19' 26.2016"	400.0000'	30.0680'	60.0231'	1.1285'

GS-08

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)

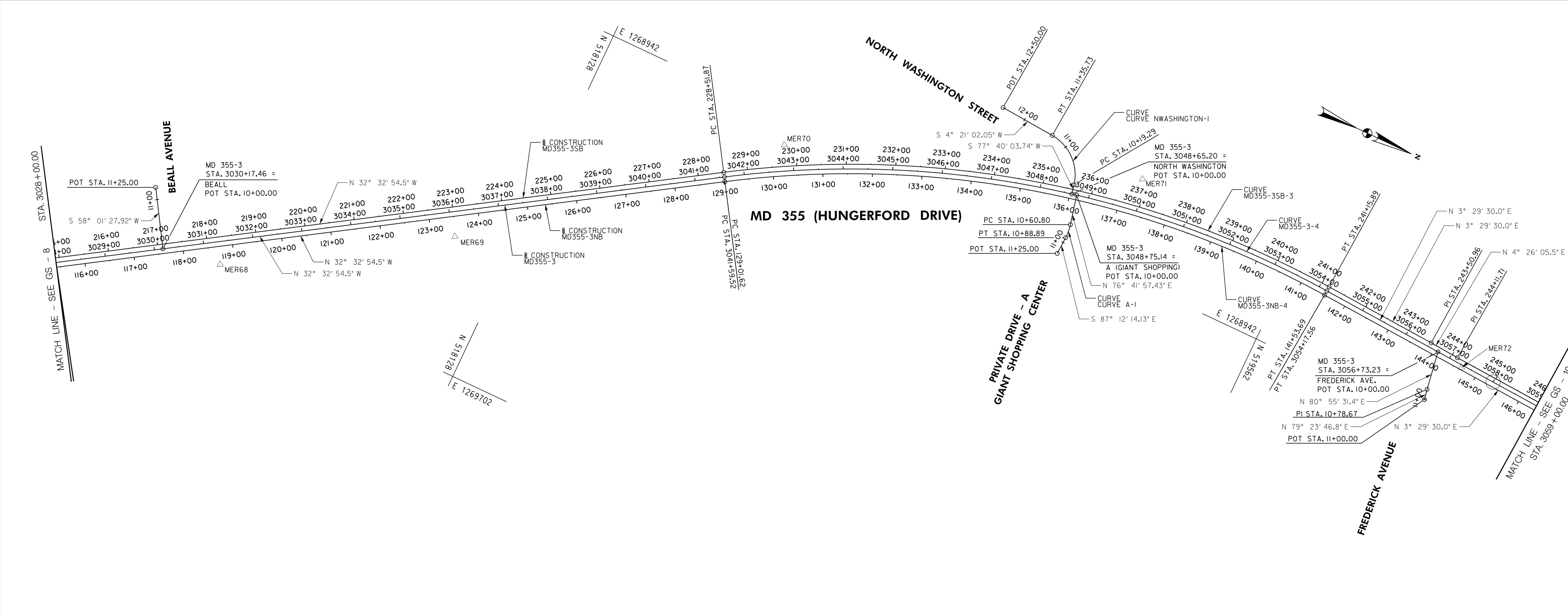
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 17 of 887

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MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-3-4	PC	3041+59.5227	518,451.9522	1,269,104.0634	N 32° 32' 54.4651"
	PI	3048+10.1365	519,000.3784	1,268,754.0249	
	PT	3054+17.5605	519,649.7845	1,268,793.6494	N 3° 29' 30.0000" E
MD355-3NB-4	PC	129+01.6241	518,456.9786	1,269,112.1101	N 32° 32' 54.4651"
	PI	135+49.1475	519,002.7998	1,268,763.7342	
	PT	141+53.6862	519,649.1211	1,268,803.1705	N 3° 29' 30.0000" E
MD355-3SB-3	PC	228+51.8732	518,446.7563	1,269,096.0943	N 32° 32' 54.4651"
	PI	235+05.5774	518,997.7876	1,268,744.3930	
	PT	241+15.8867	519,650.2783	1,268,784.2058	N 3° 29' 30.0000" E
POT		243+50.9597	519,884.9149	1,268,798.5226	N 3° 29' 30.00" E
		244+11.7086	519,945.4819	1,268,803.2200	N 4° 26' 05.52" E

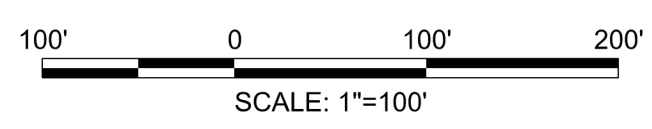
A (GIANT SHOPPING)					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
A-1	POT	10+00.0000	519,110.5357	1,268,833.9863	N 76° 41' 57.43" E
	PC	10+60.7993	519,124.5233	1,268,893.1547	N 76° 41' 57.4302"
	PI	10+74.9395	519,127.7764	1,268,906.9156	
	PT	10+88.8934	519,127.0866	1,268,921.0390	S 87° 12' 14.1319"
	CC		519,027.2057	1,268,916.1609	
POT		11+25.0000	519,125.3253	1,268,957.1025	S 87° 12' 14.13" E

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER68	517,607.00710	1,269,697.95914	438.21
MER69	518,011.41836	1,269,444.81519	443.37
MER70	518,533.91999	1,268,994.03063	451.74
MER71	519,216.97077	1,268,748.21726	464.99
MER72	519,961.48516	1,268,817.38281	465.96

NORTH WASHINGTON					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
NWASHINGTON-1	POT	10+00.0000	519,100.8156	1,268,836.0861	S 77° 40' 03.74" W
	PC	10+19.2889	519,096.6959	1,268,817.2422	S 77° 40' 03.7423"
	PI	10+87.0159	519,082.2307	1,268,751.0780	
	PT	11+35.7349	519,014.6988	1,268,745.9403	S 4° 21' 02.0546" W
	CC		519,007.7957	1,268,836.6781	
POT		12+50.0001	518,900.7628	1,268,737.2723	S 4° 21' 02.05" W

CURVE DATA							
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	
CURVE MD355-3-4	36° 02' 24.4651" RT	2° 51' 53.2403"	2,000.0000'	650.6138'	1,258.0378'	103.1639'	
CURVE MD355-3NB-4	36° 02' 24.4651" RT	2° 52' 42.4620"	1,990.5000'	647.5234'	1,252.0622'	102.6739'	
CURVE MD355-3SB-3	36° 02' 24.4651" RT	2° 51' 04.4840"	2,009.5000'	653.7042'	1,264.0135'	103.6539'	
CURVE A-1	16° 05' 48.4379" RT	57° 17' 44.8062"	100.0000'	14.1402'	28.0942'	0.9948'	
CURVE NWASHINGTON-1	73° 19' 01.6876" LT	62° 57' 44.6222"	91.0000'	67.7270'	116.4459'	22.4370'	

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
BEALL	POT	10+00.0000	517,489.2655	1,269,718.5078	
	POT	11+25.0000	517,423.0708	1,269,612.4736	S 58° 01' 27.92" W
FREDERICK AVE.	POT	10+00.0000	519,904.9802	1,268,809.2206	
	POT	10+78.6728	519,917.3885	1,268,886.9088	N 80° 55' 31.38" E
	POT	11+00.0000	519,921.3130	1,268,907.8718	N 79° 23' 46.82" E



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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
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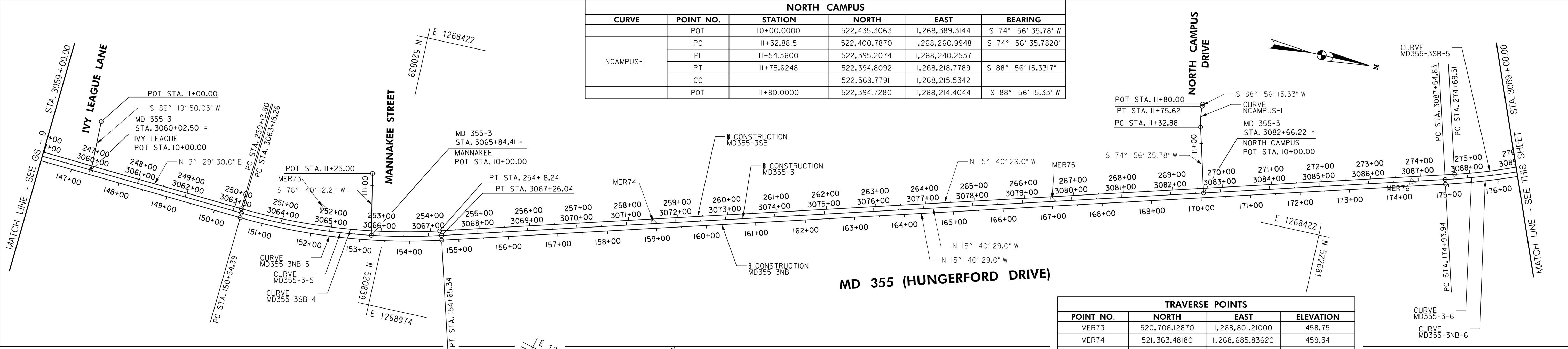
MD 355 BUS RAPID TRANSIT (BRT)
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SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 18 of 887

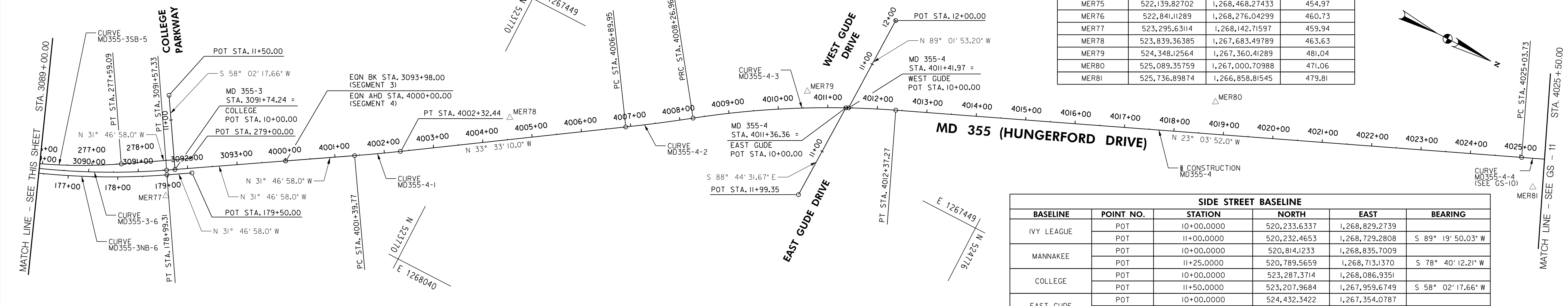
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NORTH CAMPUS					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
NCAMPUS-1	POT	10+00.0000	522,435.3063	1,268,389.3144	S 74° 56' 35.78" W
	PC	11+32.8815	522,400.7870	1,268,260.9948	S 74° 56' 35.7820"
	PI	11+54.3600	522,395.2074	1,268,240.2537	
	PT	11+75.6248	522,394.8092	1,268,218.7789	S 88° 56' 15.3317"
	POT	11+80.0000	522,394.7280	1,268,214.4044	S 88° 56' 15.33" W

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER73	520,706.12870	1,268,801.21000	458.75
MER74	521,363.48180	1,268,685.83620	459.34
MER75	522,139.82702	1,268,468.27433	454.97
MER76	522,841.11289	1,268,276.04299	460.73
MER77	523,295.63114	1,268,142.71597	459.94
MER78	523,839.36385	1,267,683.49789	463.63
MER79	524,348.12564	1,267,360.41289	481.04
MER80	525,089.35759	1,267,000.70988	471.06
MER81	525,736.89874	1,266,858.81545	479.81

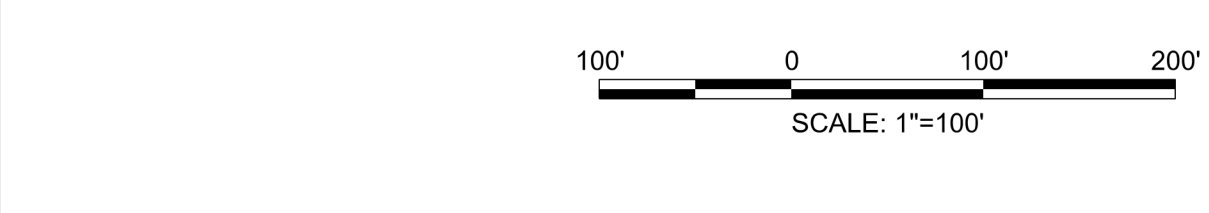


SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
IVY LEAGUE	POT	10+00.0000	520,233.6337	1,268,829.2739	
	POT	11+00.0000	520,232.4653	1,268,729.2808	S 89° 19' 50.03" W
MANNAKEE	POT	10+00.0000	520,814.1233	1,268,835.7009	
	POT	11+25.0000	520,789.5659	1,268,713.1370	S 78° 40' 12.21" W
COLLEGE	POT	10+00.0000	523,287.3714	1,268,086.9351	
	POT	11+50.0000	523,207.9684	1,267,959.6749	S 58° 02' 17.66" W
EAST GUIDE	POT	10+00.0000	524,432.3422	1,267,354.0787	
	POT	11+99.3502	524,427.9660	1,267,351.3808	S 88° 44' 31.67" E
WEST GUIDE	POT	10+00.0000	524,437.3735	1,267,351.6034	
	POT	12+00.0000	524,440.7542	1,267,151.6319	N 89° 01' 53.20" W

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-3-5	PC	3063+18.2628	520,548.8147	1,268,848.5052	N 3° 29' 30.0000" E
	PI	3065+24.0735	520,754.2433	1,268,861.0398	
	PT	3067+26.0385	520,952.4001	1,268,805.4348	N 15° 40' 29.0000"
	CC		520,623.0559	1,267,631.7681	
MD355-3-6	PC	3087+54.6342	522,905.5544	1,268,257.3575	N 15° 40' 29.0000"
	PI	3089+57.3212	523,100.7037	1,268,202.5964	
	PT	3091+57.3346	523,272.9980	1,268,095.8411	N 31° 46' 58.0497"
	CC		522,518.5574	1,266,878.2366	
MD355-4-1	POT	3093+98.0042	523,477.5793	1,267,969.0803	N 31° 46' 58.05" W
	POT	4000+00.0000	523,477.5793	1,267,969.0803	N 31° 46' 58.05" W
	PC	4001+39.7652	523,596.3869	1,267,895.4659	N 31° 46' 58.0497"
	PI	4001+86.1073	523,635.7800	1,267,871.0575	
MD355-4-2	PT	4002+32.4420	523,674.4004	1,267,845.4440	N 33° 33' 10.0384"
	CC		522,016.2853	1,265,345.3131	
	PC	4006+89.9516	524,055.6784	1,267,592.5761	N 33° 33' 10.0384"
	PI	4007+58.4699	524,112.7800	1,267,554.7057	
MD355-4-3	PRC	4008+26.9645	524,168.0964	1,267,514.2724	N 36° 09' 53.1138"
	CC		522,394.5234	1,265,087.8617	
	PI	4010+33.0133	524,334.4445	1,267,392.6811	
	PT	4012+37.2653	524,524.0228	1,267,311.9581	N 23° 03' 52.0000"
	CC		525,227.0473	1,268,963.0144	

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-3NB-5	PC	150+54.3885	520,548.1514	1,268,858.0263	N 3° 29' 30.0000" E
	PI	152+61.8031	520,755.1810	1,268,870.6586	
	PT	154+65.3421	520,954.8821	1,268,814.6202	N 15° 40' 29.0000"
	CC		520,622.9712	1,267,631.8069	
MD355-3NB-6	PC	174+93.9378	522,908.0363	1,268,266.5430	N 15° 40' 29.0000"
	PI	176+97.9690	523,104.4799	1,268,211.4187	
	PT	178+99.3090	523,277.9169	1,268,103.9553	N 31° 46' 58.0497"
	CC		522,518.4727	1,266,878.2754	
MD355-3SB-4	POT	179+50.0000	523,321.0067	1,268,077.2564	N 31° 46' 58.05" W
	PC	250+13.8046	520,546.4602	1,268,839.8897	N 3° 29' 30.0000" E
	PI	252+17.9269	520,750.2036	1,268,852.3214	
	PT	254+18.2352	520,946.7348	1,268,797.1725	N 15° 40' 29.0000"
MD355-3SB-5	CC		520,620.0924	1,267,633.1340	
	PC	274+69.5135	522,921.7283	1,268,242.9670	N 15° 40' 29.0000"
	PI	276+15.2613	523,062.0558	1,268,203.5895	
	PT	277+59.0865	523,185.9488	1,268,126.8240	N 31° 46' 58.0497"
	CC		522,643.4473	1,267,251.2716	
	POT	279+00.0000	523,305.7324	1,268,052.6049	N 31° 46' 58.05" W

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-3-5	19° 09' 59.0000" LT	4° 42' 00.8209"	1,219,000'	205,810'	407,775'	17,252'
CURVE MD355-3-6	16° 06' 29.0497" LT	4° 00' 00.0451"	1,432,390'	202,687'	402,700'	14,269'
CURVE MD355-4-1	1° 46' 11.9887" LT	1° 54' 35.4935"	3,000,000'	46,342'	92,676'	0,357'
CURVE MD355-4-2	2° 36' 43.0754" LT	1° 54' 22.9115"	3,005,500'	68,518'	137,012'	0,780'
CURVE MD355-4-3	13° 06' 01.1138" RT	3° 11' 34.2773"	1,794,500'	206,048'	410,300'	11,798'
CURVEMD355-3NB-5	19° 09' 59.0000" LT	4° 39' 49.9720"	1,228,500'	207,416'	410,953'	17,386'
CURVE MD355-3NB-6	16° 06' 29.0497" LT	3° 58' 25.1693"	1,441,890'	204,031'	405,371'	14,363'
CURVE MD355-3SB-4	19° 09' 59.0000" LT	4° 44' 20.7780"	1,209,000'	204,122'	404,436'	17,110'
CURVE MD355-3SB-5	16° 06' 29.0497" LT	5° 33' 45.7093"	1,030,000'	145,747'	289,573'	10,260'
CURVE NCAMPUS-1	13° 59' 39.5497" RT	32° 44' 25.6036"	175,000'	21,4785'	42,7432'	1,3131'



PROFESSIONAL CERTIFICATION:
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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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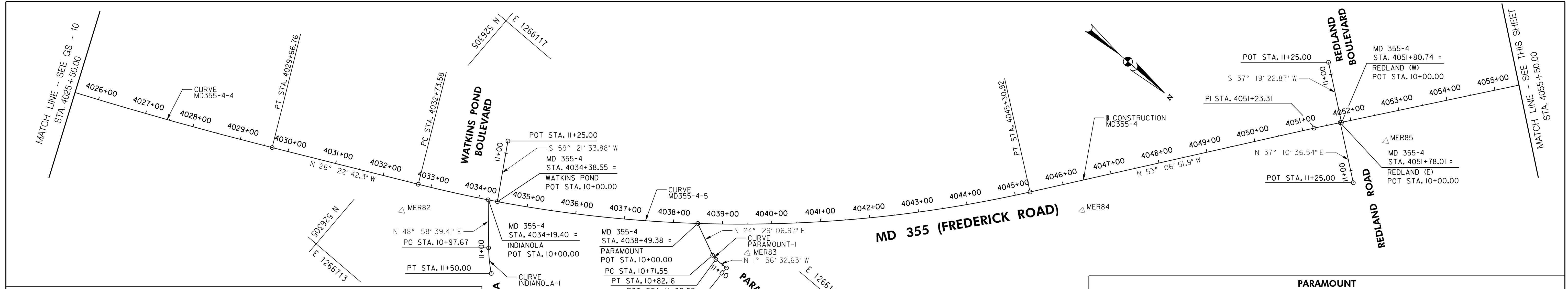
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 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering

MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100'
 DATE : DECEMBER 2022

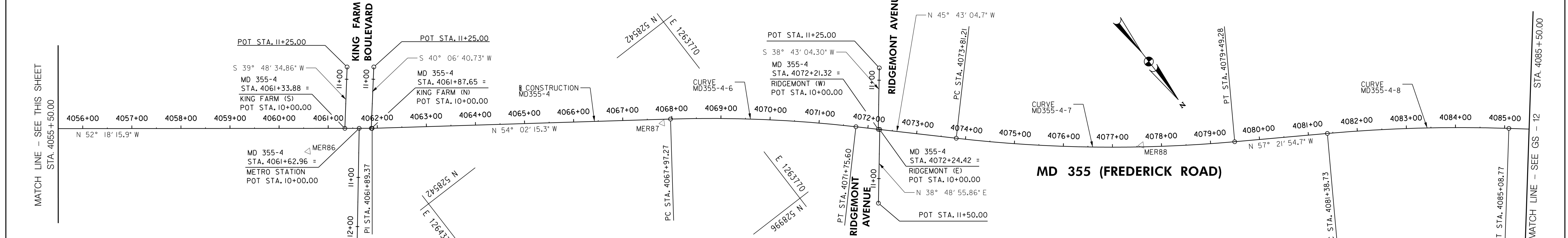
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GS-10



INDIANOLA					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
INDIANOLA-I	POT	10+00.0000	526,513.4809	1,266,417.5759	N 48° 58' 39.41" E
	PC	10+97.6746	526,577.5900	1,266,491.2669	N 48° 58' 39.4127"
	PI	11+23.9165	526,594.8140	1,266,511.0651	
	PT	11+50.0000	526,615.4715	1,266,527.2486	N 38° 04' 32.5883"
	CC		526,785.0646	1,266,310.7696	

PARAMOUNT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
PARAMOUNT-I	POT	10+00.0000	526,869.3612	1,266,177.0732	N 24° 29' 06.97" E
	PC	10+71.5472	526,934.4739	1,266,206.7266	N 24° 29' 06.9706"
	PI	10+76.9476	526,939.3887	1,266,208.9649	
	PT	10+82.1559	526,944.7861	1,266,208.7818	N 1° 56' 32.6272" W
	CC		526,944.0065	1,266,185.7950	
POT	11+09.8706	526,972.4849	1,266,207.8424	N 1° 56' 32.63" W	



TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER82	526,394.43088	1,266,548.71556	480.32
MER83	526,985.76560	1,266,157.70360	487.21
MER84	527,448.11210	1,265,649.02760	504.59
MER85	527,827.15053	1,265,140.60757	500.59
MER86	528,307.54916	1,264,503.43833	479.66
MER87	528,703.65410	1,263,897.73995	477.08
MER88	529,336.44871	1,263,153.66100	491.91

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-4-4	PC	4025+03.7273	525,689.2498	1,266,815.8011	N 23° 03' 52.0000"
	PI	4027+35.3107	525,902.3216	1,266,725.0745	
	PT	4029+66.7650	526,109.7923	1,266,622.1825	N 26° 22' 42.3458"
	CC		522,552.9652	1,259,450.2224	
MD355-4-5	PC	4032+73.5787	526,384.6603	1,266,485.8658	N 26° 22' 42.3458"
	PI	4039+13.9084	526,958.3183	1,266,201.3686	
	PT	4045+30.9153	527,342.6565	1,265,689.2101	N 53° 06' 51.8537"
	CC		525,187.4995	1,264,071.9196	
MD355-4-6	PC	4061+89.3663	528,350.0802	1,264,371.8525	N 54° 02' 15.33" W
	PI	4067+97.2685	528,707.0733	1,263,879.8150	N 54° 02' 15.3344"
	PT	4071+75.5993	528,950.6632	1,263,590.7703	N 45° 43' 04.7171"
	CC		530,815.9715	1,265,409.9062	
MD355-4-7	PC	4073+81.2063	529,094.2161	1,263,443.5738	N 45° 43' 04.7171"
	PI	4076+66.2249	529,293.2134	1,263,239.5256	
	PT	4079+49.2791	529,446.9189	1,262,999.5044	N 57° 21' 54.7311"
	CC		527,093.6005	1,261,492.4799	
MD355-4-8	PC	4081+38.7327	529,549.0879	1,262,839.9607	N 57° 21' 54.7311"
	PI	4083+23.9845	529,648.9909	1,262,683.9556	
	PT	4085+08.7681	529,767.2964	1,262,541.4003	N 50° 18' 39.5347"
	CC		532,080.0947	1,264,460.7737	

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
WATKINS POND	POT	10+00.0000	526,530.1199	1,266,408.0918	
	POT	11+25.0000	526,466.4135	1,266,300.5442	S 59° 21' 33.88" W
REDLAND E	POT	10+00.0000	527,731.6715	1,265,172.1077	
	POT	11+25.0000	527,831.2683	1,265,247.6423	N 37° 10' 36.54" E
REDLAND W	POT	10+00.0000	527,733.3424	1,265,169.9455	
	POT	11+25.0000	527,633.9386	1,265,094.1570	S 37° 19' 22.87" W
KING FARM S	POT	10+00.0000	528,316.1516	1,264,415.7581	
	POT	11+25.0000	528,220.1296	1,264,335.7281	S 39° 48' 34.86" W
METRO STATION	POT	10+00.0000	528,333.9331	1,264,392.7478	
	POT	16+50.0000	528,840.8020	1,264,799.6677	N 38° 45' 28.35" E
KING FARM N	POT	10+00.0000	528,349.0337	1,264,373.2067	
	POT	11+25.0000	528,253.4344	1,264,292.6724	S 40° 06' 40.73" W
RIDGEMONT W	POT	10+00.0000	528,982.5870	1,263,558.0362	
	POT	11+25.0000	528,885.0576	1,263,479.8505	S 38° 43' 04.30" W
RIDGEMONT W	POT	10+00.0000	528,984.7525	1,263,555.8157	
	POT	11+50.0000	529,101.6278	1,263,649.8380	N 38° 48' 55.86" E

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-4-4	3° 18' 50.3458" LT	0° 42' 56.5387"	8,005.5000'	231.5834'	463.0377'	3.3489'
CURVE MD355-4-5	26° 44' 09.5080" LT	2° 07' 35.0308"	2,694.5000'	640.3297'	1,257.3366'	75.0401'
CURVE MD355-4-6	8° 19' 10.6174" RT	2° 11' 56.5153"	2,605.5000'	189.4985'	378.3308'	6.8820'
CURVE MD355-4-7	11° 38' 50.0140" LT	2° 03' 01.0988"	2,794.5000'	285.0186'	568.0728'	14.4973'
CURVE MD355-4-8	7° 03' 15.1963" RT	1° 54' 22.9115"	3,005.5000'	185.2517'	370.0353'	5.7038'
CURVE INDIANOLA-I	10° 54' 06.8244" LT	20° 50' 05.3841"	275.0000'	26.2419'	52.3253'	1.2492'
CURVE PARAMOUNT-I	26° 25' 39.5977" LT	249° 06' 43.5054"	23.0000'	5.4005'	10.6087'	0.6255'



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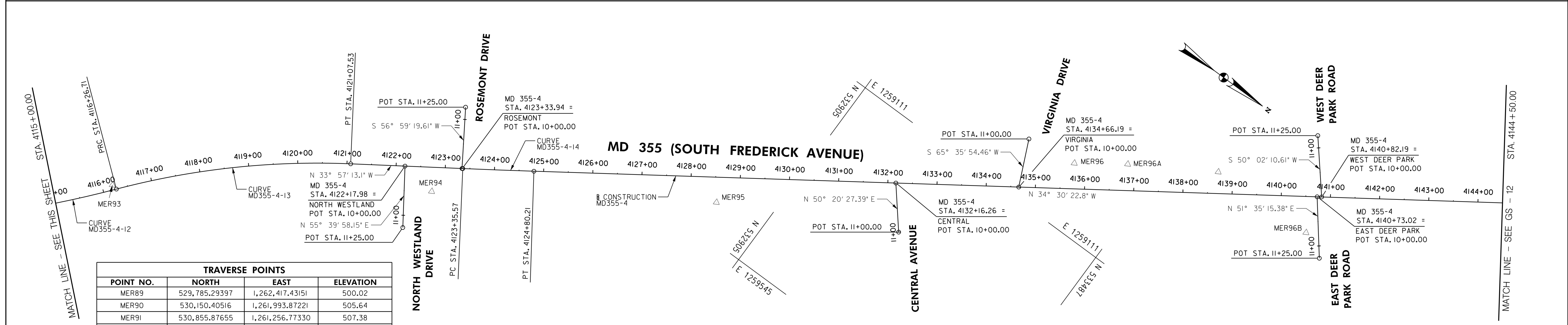
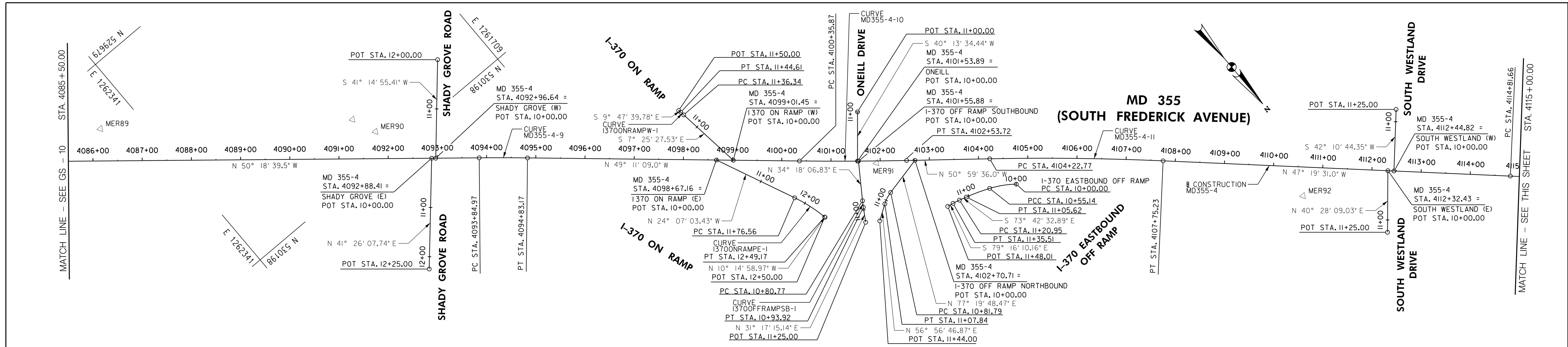
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 Chief, Design Section
 APPROVED
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 Design by : _____ Drawn by : _____ Checked by : _____

MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 20 of 887

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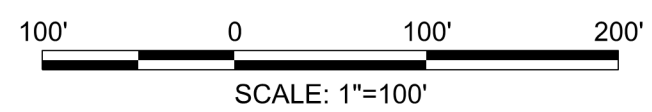
TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER89	529,785.29397	1,262,417.43151	500.02
MER90	530,150.40516	1,261,993.87221	505.64
MER91	530,855.87655	1,261,256.77330	507.38
MER92	531,466.14066	1,260,637.41229	508.53
MER93	531,790.51211	1,260,177.89130	502.39
MER94	532,320.74116	1,259,803.42570	485.34
MER95	532,799.91183	1,259,478.12421	469.84
MER96	533,338.20999	1,258,982.45231	443.23
MER96A	533,426.83690	1,258,919.69732	440.29
MER96B	533,801.23086	1,258,816.90530	440.53

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-4-12	PC	4114+81.6595	531,707.0201	1,260,289.4586	N 47° 19' 31.0473°
	PI	4115+54.2130	531,756.1994	1,260,236.1163	
	PRC	4116+26.7136	531,801.7480	1,260,179.6421	N 51° 06' 44.9263°
MD355-4-13	CC		530,093.5933	1,258,801.9492	
	PRC	4116+26.7136	531,801.7480	1,260,179.6421	N 51° 06' 44.9263°
	PI	4118+68.9327	531,953.8116	1,259,991.1036	
MD355-4-14	PT	4121+07.5258	532,154.7299	1,259,855.8189	N 33° 57' 13.1153°
	CC		533,051.4369	1,261,187.5646	
	PC	4123+35.5739	532,343.8934	1,259,728.4490	N 33° 57' 13.1153°
MD355-4-11	PI	4124+07.8941	532,403.8823	1,259,688.0566	
	PT	4124+80.2131	532,463.4787	1,259,647.0874	N 34° 30' 22.7776°
	CC		523,969.1359	1,247,290.6652	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-4-9	1° 07' 30.5347° RT	1° 08' 44.8836°	5,000.5000'	49.1004'	98.1976'	0.2411'
CURVE MD355-4-10	1° 48' 27.0489° LT	0° 49' 46.9641°	6,905.5000'	108.9332'	217.8482'	0.8591'
CURVE MD355-4-11	3° 40' 05.0016° RT	1° 02' 26.5227°	5,505.5000'	176.2903'	352.4602'	2.8218'
CURVE MD355-4-12	3° 47' 13.8789° LT	2° 36' 39.1709°	2,194.5000'	72.5534'	145.0541'	1.1990'
CURVE MD355-4-13	17° 09' 31.8109° RT	3° 34' 07.3875°	1,605.5000'	242.2192'	480.8122'	18.1688'
CURVE MD355-4-14	0° 33' 09.6622° LT	0° 22' 55.6031°	14,994.5000'	72.3202'	144.6393'	0.1744'
CURVE I370ONRAMPE-1	13° 52' 04.4575° RT	19° 05' 54.9354°	300.0000'	36.4844'	72.6122'	2.2104'
CURVE I370ONRAMPW-1	2° 22' 12.2535° LT	28° 38' 52.4031°	200.0000'	4.1371'	8.2731'	0.0428'
CURVE I370OFFRAMPNB-1	22° 55' 05.9225°	22° 55' 05.9225°	250.0000'	6.5778'	13.1526'	0.0865'
CURVE I370OFFRAMPNB-1	20° 23' 01.6022° LT	78° 15' 02.1524°	73.2209'	13.1638'	26.0494'	1.1739'
CURVE I370EBOFFRAMP-1	15° 47' 42.9401° LT	28° 38' 52.4031°	200.0000'	27.7439'	55.1359'	1.9151'
CURVE I370EBOFFRAMP-2	6° 55' 13.9005° LT	13° 42' 25.6474°	418.0000'	25.2750'	50.4885'	0.7634'
CURVE I370EBOFFRAMP-3	5° 33' 37.2754° LT	38° 11' 49.8708°	150.0000'	7.2842'	14.5570'	0.1768'

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-4-9	PC	4093+84.9699	530,326.8568	1,261,867.1437	N 50° 18' 39.5347°
	PI	4094+34.0703	530,358.2132	1,261,829.3599	
	PT	4094+83.1675	530,390.3056	1,261,792.1991	N 49° 11' 09.0000°
MD355-4-10	CC		534,174.8514	1,265,060.5647	
	PC	4100+35.8746	530,751.5593	1,261,373.8919	N 49° 11' 09.0000°
	PI	4101+44.8077	530,822.7588	1,261,291.4476	
MD355-4-11	PT	4102+53.7228	530,891.3225	1,261,206.7986	N 50° 59' 36.0489°
	CC		525,525.2457	1,256,860.4035	
	PC	4104+22.7683	530,997.7215	1,261,075.4380	N 50° 59' 36.0489°
MD355-4-11	PI	4105+99.0586	531,108.6805	1,260,938.4476	
	PT	4107+75.2285	531,228.1763	1,260,808.8365	N 47° 19' 31.0473°
	CC		535,275.8962	1,264,540.6582	

SIDE STREET BASELINE DETAILS ARE ON SHEET GS-12A



PROFESSIONAL CERTIFICATION:
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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
APPROVED
SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering

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

MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 21 of 887

GS-12

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
SHADY GROVE E	POT	10+00.0000	530,265.1911	1,261,941.4493	
	POT	12+25.0000	530,433.8739	1,262,090.3490	N 41° 26' 07.74" E
SHADY GROVE W	POT	10+00.0000	530,270.4476	1,261,935.1154	
	POT	12+00.0000	530,120.0767	1,261,803.2496	S 41° 14' 55.41" W
ONEILL	POT	10+00.0000	530,827.9307	1,261,283.9160	
	POT	11+00.0000	530,751.5806	1,261,219.3352	S 40° 13' 34.44" W
S WESTLAND E	POT	10+00.0000	531,538.0802	1,260,472.6992	
	POT	11+25.0000	531,633.1746	1,260,553.8291	N 40° 28' 09.03" E
S WESTLAND W	POT	10+00.0000	531,546.4803	1,260,463.5880	
	POT	11+25.0000	531,453.8490	1,260,379.6569	S 42° 10' 44.35" W
N WESTLAND	POT	10+00.0000	532,246.3473	1,259,794.1299	
	POT	11+25.0000	532,316.8491	1,259,897.3506	N 55° 39' 58.15" E
ROSEMONT	POT	10+00.0000	532,342.5357	1,259,729.3633	
	POT	11+25.0000	532,274.4353	1,259,624.5428	S 56° 59' 19.61" W
CENTRAL	POT	10+00.0000	533,070.0253	1,259,230.1209	
	POT	11+00.0000	533,133.8471	1,259,307.1065	N 50° 20' 27.39" E
VIRGINIA	POT	10+00.0000	533,275.9828	1,259,088.5367	
	POT	11+00.0000	533,234.6700	1,258,997.4694	S 65° 35' 54.46" W
E DEER PARK	POT	10+00.0000	533,776.0549	1,258,744.7654	
	POT	11+25.0000	533,853.7195	1,258,842.7103	N 51° 35' 15.38" E
W DEER PARK	POT	10+00.0000	533,783.6068	1,258,739.5739	
	POT	11+25.0000	533,703.3190	1,258,643.7675	S 50° 02' 10.61" W

I-370 ON RAMP E					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
I370ONRAMP E-1	POT	10+00.0000	530,641.2885	1,261,501.5779	N 24° 07' 03.43" W
	PC	11+76.5620	530,802.4382	1,261,429.4327	N 24° 07' 03.4318"
	PI	12+13.0464	530,835.7378	1,261,414.5248	
	PT	12+49.1742	530,871.6399	1,261,408.0328	N 10° 14' 58.9743"
	CC		530,925.0215	1,261,703.2453	
POT	12+50.0000	530,872.4526	1,261,407.8859	N 10° 14' 58.97" W	

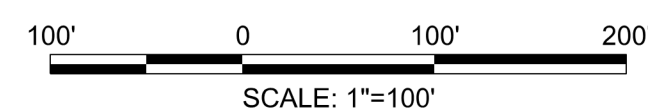
I-370 ON RAMP W					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
I370ONRAMP W-1	POT	10+00.0000	530,663.6953	1,261,475.6324	S 7° 25' 27.53" E
	PC	11+36.3415	530,528.4968	1,261,493.2500	S 7° 25' 27.5268" E
	PI	11+40.4786	530,524.3943	1,261,493.7846	
	PT	11+44.6146	530,520.3175	1,261,494.4884	S 9° 47' 39.7803" E
	CC		530,554.3401	1,261,691.5733	
POT	11+50.0000	530,515.0106	1,261,495.4045	S 9° 47' 39.78" E	

I-370 OFF RAMP SOUTHBOUND					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
I370OFFRAMPSB-1	POT	10+00.0000	530,829.1999	1,261,282.3941	N 34° 18' 06.83" E
	PC	10+80.7683	530,895.9209	1,261,327.9114	N 34° 18' 06.8278" E
	PI	10+87.3461	530,901.3547	1,261,331.6183	
	PT	10+93.9209	530,906.9759	1,261,335.0344	N 31° 17' 15.1372" E
	CC		531,036.8092	1,261,121.3914	
POT	11+25.0000	530,933.5353	1,261,351.1748	N 31° 17' 15.14" E	

I-370 OFF RAMP NORTHBOUND					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
I370OFFRAMPNB-1	POT	10+00.0000	530,902.0169	1,261,193.5953	N 77° 19' 48.47" E
	PC	10+81.7901	530,919.9562	1,261,273.3938	N 77° 19' 48.4719" E
	PI	10+94.9540	530,922.8435	1,261,286.2371	
	PT	11+07.8395	530,930.0233	1,261,297.2705	N 56° 56' 46.8697" E
	CC		530,991.3942	1,261,257.3340	
POT	11+44.0000	530,949.7461	1,261,327.5787	N 56° 56' 46.87" E	

I-370 EASTBOUND OFF RAMP					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
I370EBOFFRAMPE-1	PC	10+00.0000	531,071.8080	1,261,067.3819	S 50° 59' 36.0490" E
	PI	10+27.7439	531,054.3457	1,261,088.9409	
	PCC	10+55.1359	531,043.4112	1,261,114.4391	S 66° 47' 18.9891" E
	CC		531,227.2226	1,261,193.2640	
I370EBOFFRAMPE-2	PCC	10+55.1359	531,043.4112	1,261,114.4391	S 66° 47' 18.9891" E
	PI	10+80.4109	531,033.4497	1,261,137.6682	
	PT	11+05.6244	531,026.3597	1,261,161.9284	S 73° 42' 32.8895" E
I370EBOFFRAMPE-3	CC		531,427.5770	1,261,279.1832	
	PC	11+20.9528	531,022.0599	1,261,176.6414	S 73° 42' 32.8895" E
	PI	11+28.2370	531,020.0166	1,261,183.6331	
	PT	11+35.5098	531,018.6603	1,261,190.7900	S 79° 16' 10.1649" E
CC		531,166.0374	1,261,218.7185		
POT	11+48.0101	531,016.3329	1,261,203.0717	S 79° 16' 10.16" E	

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 GAITHERSBURG, MARYLAND

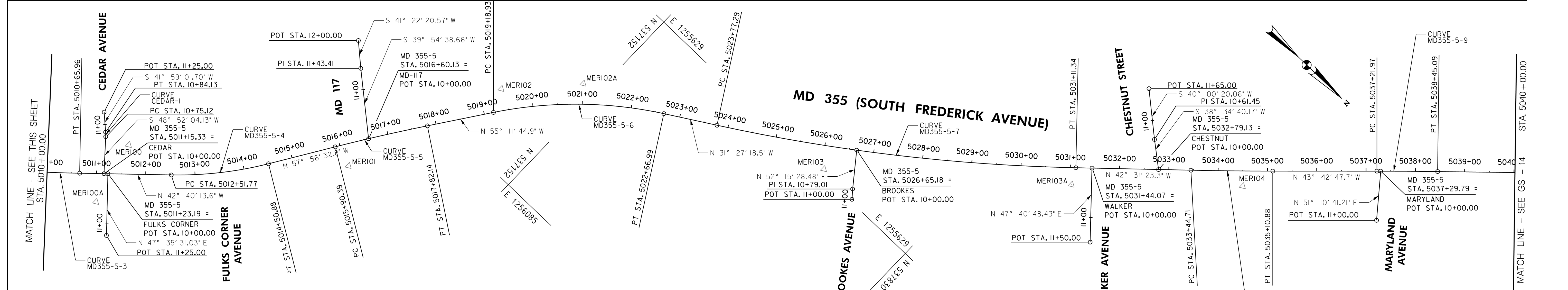
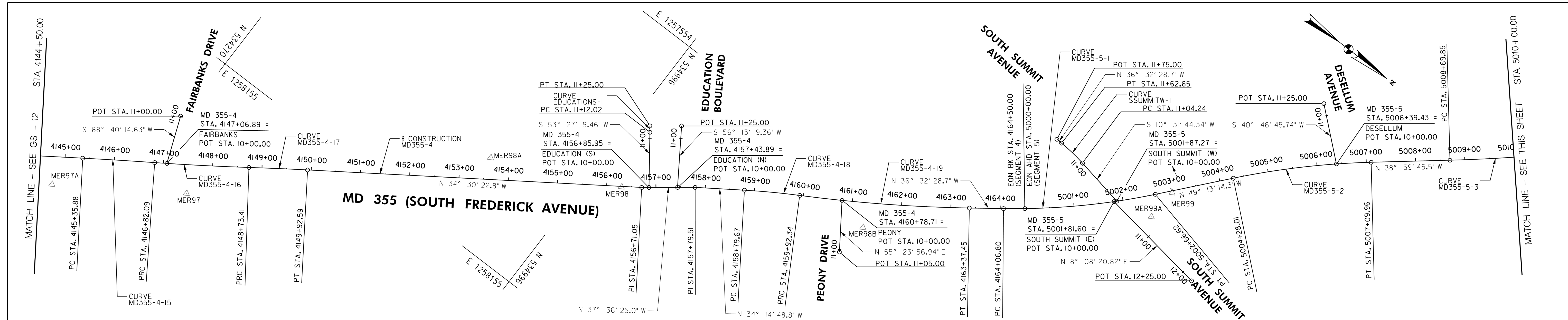
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

GS-12A

MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 22 of 887



MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-4-15	PC	4145+35.8803	534,157.4793	1,258,482.5576	N 34° 30' 27.776"
	PI	4146+08.9864	534,217.7233	1,258,441.433	
	PRC	4146+82.0884	534,278.7147	1,258,400.8375	N 33° 27' 30.4871"
	CC		538,686.3415	1,265,070.5344	
MD355-4-16	PC	4146+82.0884	534,278.7147	1,258,400.8375	N 33° 27' 30.4871"
	PI	4147+77.7621	534,358.5339	1,258,348.0895	
	PRC	4148+73.4127	534,436.2822	1,258,292.3339	N 35° 38' 43.4994"
	CC		531,515.1611	1,254,218.9805	
MD355-4-17	PC	4148+73.4127	534,436.2822	1,258,292.3339	N 35° 38' 43.4994"
	PI	4149+33.0026	534,484.7072	1,258,257.6069	
	PT	4149+92.5885	534,533.8131	1,258,223.8494	N 34° 30' 27.776"
	CC		537,929.6808	1,263,163.6988	
MD355-4-18	PC	4156+71.0540	535,092.9118	1,257,839.5006	N 37° 36' 25.03" W
	PI	4157+79.5128	535,178.8346	1,257,773.3145	N 34° 14' 48.81" W
	PRC	4158+79.6680	535,261.6249	1,257,716.9512	N 34° 14' 48.8097"
	CC		536,111.9554	1,258,965.9744	
MD355-4-19	PC	4159+92.3417	535,357.0400	1,257,657.0727	N 29° 58' 27.8577"
	PI	4161+65.0826	535,506.6766	1,257,570.7690	
	PT	4163+37.4453	535,645.4615	1,257,467.9187	N 36° 32' 28.7495"
	CC		533,852.7051	1,255,048.7979	
MD355-4-20	PC	4164+06.8014	535,701.1841	1,257,426.6239	N 36° 32' 28.7495"
	PI	4164+28.4024	535,718.5389	1,257,413.7626	
	PT	4164+50.0000	535,735.4888	1,257,400.3720	N 38° 18' 33.2898"
	CC		534,867.6208	1,256,301.8251	

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-5-1	PC	5000+00.0000	535,735.4888	1,257,400.3720	N 38° 18' 33.2898"
	PI	5001+33.7120	535,840.4094	1,257,317.4832	
	PT	5002+66.6153	535,927.7431	1,257,216.2324	N 49° 13' 14.2583"
MD355-5-2	PC	5004+28.0079	536,033.1564	1,257,094.0210	N 49° 13' 14.2583"
	PI	5005+69.3617	536,125.4813	1,256,986.9837	
	PT	5007+09.9648	536,235.3401	1,256,898.0346	N 38° 59' 45.5363"
MD355-5-3	PC	5008+69.8495	536,359.6009	1,256,797.4246	N 38° 59' 45.5363"
	PI	5009+67.9401	536,435.8360	1,256,735.6995	
	PT	5010+65.9636	536,507.9585	1,256,669.2156	N 42° 40' 13.6053"
MD355-5-4	PC	5012+51.7693	536,644.5748	1,256,543.2801	N 42° 40' 13.6053"
	PI	5013+51.9181	536,718.2107	1,256,475.4012	
	PT	5014+50.8796	536,771.3667	1,256,390.5235	N 57° 56' 32.7887"
MD355-5-5	PC	5015+90.3864	536,845.4129	1,256,272.2893	N 57° 56' 32.7887"
	PI	5016+86.2801	536,896.3105	1,256,191.0180	
	PT	5017+82.1370	536,951.0441	1,256,112.2790	N 55° 11' 44.9386"

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-4-15	1° 02' 52.2904" RT	0° 43' 00.0839"	7,994.5000'	73.1061'	146.2081'	0.3343'
CURVE MD355-4-16	2° 11' 13.0123" LT	1° 08' 35.0086"	5,012.5000'	95.6738'	191.3243'	0.9130'
CURVE MD355-4-17	1° 08' 20.7218" RT	0° 57' 20.9009"	5,994.5000'	59.5899'	119.1758'	0.2962'
CURVE MD355-4-18	4° 16' 20.9520" RT	3° 47' 30.8806"	1,511.0000'	56.3630'	112.6737'	1.0509'
CURVE MD355-4-19	6° 34' 00.8918" LT	1° 54' 10.3755"	3,011.0000'	172.7409'	345.1036'	4.9510'
CURVE MD355-4-20	1° 46' 04.5402" LT	4° 05' 33.2004"	1,400.0000'	21.6010'	43.1986'	0.1666'
CURVE MD355-5-1	10° 54' 40.9685" LT	4° 05' 33.2004"	1,400.0000'	133.7120'	266.6153'	6.3708'
CURVE MD355-5-2	10° 13' 28.7219" RT	3° 37' 34.7346"	1,580.0000'	141.3538'	281.9569'	6.3105'
CURVE MD355-5-3	3° 40' 28.0689" LT	1° 52' 25.0885"	3,058.0000'	98.0907'	196.1141'	1.5728'
CURVE MD355-5-4	15° 16' 19.1835" LT	7° 40' 12.4239"	747.0000'	100.1488'	199.1103'	6.6835'
CURVE MD355-5-5	2° 44' 47.8501" RT	1° 25' 56.6202"	4,000.0000'	95.8937'	191.7506'	1.1493'

MD 355-5-6 TO MD 355-5-9 DATA, TRAVERSE POINTS, AND SIDE STREET BASELINE DETAILS ARE ON SHEET GS-13A

GS-13



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GAIHERSBURG, MARYLAND

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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)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 23 of 887

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-5-6	PC	5019+18.9331	537,029.1236	1,255,999.9547	N 55° 11' 44.9386'
	PI	5020+95.4948	537,129.9004	1,255,854.9785	
	PT	5022+66.9897	537,280.5162	1,255,762.8432	N 31° 27' 18.4646'
MD355-5-7	CC		537,718.8540	1,256,479.4045	
	PC	5023+77.2852	537,374.6036	1,255,705.2877	N 31° 27' 18.4646'
	PI	5027+45.4600	537,688.6748	1,255,513.1628	
MD355-5-8	PT	5031+11.3436	537,960.0213	1,255,264.3178	N 42° 31' 23.3129'
	CC		535,391.6471	1,252,463.7011	
	PC	5033+44.7115	538,132.0144	1,255,106.5873	N 42° 31' 23.3129'
MD355-5-9	PI	5034+27.8002	538,193.2512	1,255,050.4286	
	PT	5035+10.8830	538,253.3084	1,254,993.0102	N 43° 42' 47.7310'
	CC		532,724.9108	1,249,210.5521	
MD355-5-9	PC	5037+21.9704	538,405.8839	1,254,847.1383	N 43° 42' 47.7310'
	PI	5037+83.5325	538,450.3814	1,254,804.5958	
	PT	5038+45.0929	538,495.3993	1,254,762.6045	N 43° 00' 28.1467'
	CC		545,316.3808	1,262,075.2108	

EDUCATION S					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
EDUCATIONS-I	POT	10+00.0000	535,104.7131	1,257,830.4101	S 53° 27' 19.46" W
	PC	11+12.0179	535,038.0123	1,257,740.4157	S 53° 27' 19.4554"
	PI	11+18.5098	535,034.1467	1,257,735.2001	
	PT	11+24.9996	535,030.0591	1,257,730.1566	S 50° 58' 33.8339"
CC		534,796.9942	1,257,919.0501		

SOUTH SUMMIT W					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
SSUMMITW-I	POT	10+00.0000	535,874.2420	1,257,274.8173	S 10° 31' 44.34" W
	PC	11+04.2372	535,771.7599	1,257,255.7698	S 10° 31' 44.3423"
	PI	11+33.5002	535,742.9896	1,257,250.4225	
	PT	11+62.6479	535,713.7398	1,257,249.5432	S 1° 43' 18.8718" W
CC		535,702.3214	1,257,629.3716		
POT	11+75.0000	535,701.3933	1,257,249.1720	S 1° 43' 18.87" W	

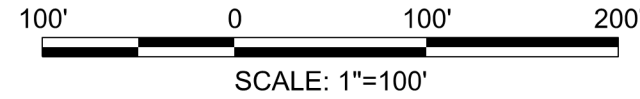
CEDAR					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
CEDAR-I	POT	10+00.0000	536,544.2551	1,256,635.7567	S 48° 52' 04.13" W
	PC	10+75.1232	536,494.8392	1,256,579.1743	S 48° 52' 04.1256"
	PI	10+79.6342	536,491.8718	1,256,575.7767	
	PT	10+84.1344	536,488.5186	1,256,572.7592	S 41° 59' 01.6967"
	CC		536,438.3496	1,256,628.5092	
POT	11+25.0000	536,458.1419	1,256,545.4233	S 41° 59' 01.70" W	

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
FAIRBANKS	POT	10+00.0000	534,299.3730	1,258,387.1120	
	POT	11+00.0000	534,263.0003	1,258,293.9615	S 68° 40' 14.63" W
EDUCATION N	POT	10+00.0000	535,150.6127	1,257,795.0538	
	POT	11+25.0000	535,081.1157	1,257,691.1540	S 56° 13' 19.36" W
PEONY	POT	10+00.0000	535,431.2293	1,257,612.8537	
	POT	11+05.0000	535,490.8541	1,257,699.2822	N 55° 23' 56.94" E
SOUTH SUMMIT E	POT	10+00.0000	535,870.2933	1,257,278.8859	
	POT	12+25.0000	536,093.0270	1,257,310.7408	N 8° 08' 20.82" E
DESELLUM	POT	10+00.0000	536,181.5274	1,256,943.6306	
	POT	11+25.0000	536,086.8736	1,256,861.9871	S 40° 46' 45.74" W
FULKS CORNER	POT	10+00.0000	536,550.0367	1,256,630.4271	
	POT	11+25.0000	536,634.3375	1,256,722.7221	N 47° 35' 31.03" E
MD 117	POT	10+00.0000	536,882.9431	1,256,213.5080	
	POT	11+43.4066	536,772.9438	1,256,121.4993	S 39° 54' 38.66" W
BROOKES	POT	12+00.0000	536,730.4744	1,256,084.0938	S 41° 22' 20.57" W
	POT	10+00.0000	537,614.2717	1,255,545.8984	
WALKER	POT	10+79.0064	537,662.6322	1,255,608.3746	N 52° 15' 28.48" E
	POT	11+00.0006	537,676.1261	1,255,624.4579	N 50° 00' 11.53" E
CHESTNUT	POT	10+00.0000	537,984.1379	1,255,242.2011	
	POT	11+50.0000	538,085.1282	1,255,353.1107	N 47° 40' 48.43" E
MARYLAND	POT	10+00.0000	538,083.6821	1,255,150.9116	
	POT	10+61.4496	538,035.6432	1,255,112.5931	S 38° 34' 40.17" W
MARYLAND	POT	11+65.0000	537,956.3255	1,255,046.0245	S 40° 00' 20.06" W
	POT	10+00.0000	538,411.5412	1,254,841.7338	
POT	11+00.0000	538,474.2313	1,254,919.6436	N 51° 10' 41.21" E	

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER97A	534,140.59917	1,258,562.93043	455.95
MER97	534,368.18008	1,258,411.28681	464.62
MER98A	534,813.34458	1,257,978.19960	490.02
MER98	535,059.84720	1,257,863.57690	498.57
MER98B	535,498.64921	1,257,630.75638	498.98
MER99A	535,949.29431	1,257,257.10770	516.81
MER99	535,953.15920	1,257,192.99740	517.70
MER100A	536,572.14173	1,256,688.34523	495.42
MER100	536,540.42846	1,256,559.07767	495.12
MER101	536,891.82672	1,256,281.51830	511.66
MER102	537,007.63518	1,255,954.60957	529.14
MER102A	537,120.61583	1,255,831.85953	529.96
MER103	537,592.90881	1,255,619.66403	504.57
MER103A	537,977.38776	1,255,295.04514	500.80
MER104	538,230.50932	1,255,057.33487	503.32

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-5-6	23° 44' 26.4740" RT	6° 49' 15.3341"	840,0000'	176.5617'	348.0567'	18.3554'
CURVE MD355-5-7	11° 04' 04.8483" LT	1° 30' 28.0212"	3,800,0000'	368.1748'	734.0584'	17.7942'
CURVE MD355-5-8	1° 11' 24.4181" LT	0° 42' 58.3101"	8,000,0000'	83.0888'	166.1716'	0.4315'
CURVE MD355-5-9	0° 42' 19.5843" RT	0° 34' 22.6481"	10,000,0000'	61.5620'	123.1225'	0.1895'
CURVE EDUCATIONS-I	2° 28' 45.6215" LT	19° 05' 54.9354"	300,0000'	6.4919'	12.9818'	0.0702'
CURVE SSUMMITW-I	8° 48' 25.4705" LT	15° 04' 40.2122"	380,0000'	29.2630'	58.4107'	1.1251'
CURVE CEDAR-I	6° 53' 02.4289" LT	76° 23' 39.7417"	75,0000'	4.5110'	9.0111'	0.1355'

FOR MD 355-5-6 TO MD 355-5-9 DATA, TRAVERSE POINTS AND SIDE STREET BASELINE DETAILS SEE SHEET GS-13A



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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

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

MD 355 BUS RAPID TRANSIT (BRT)

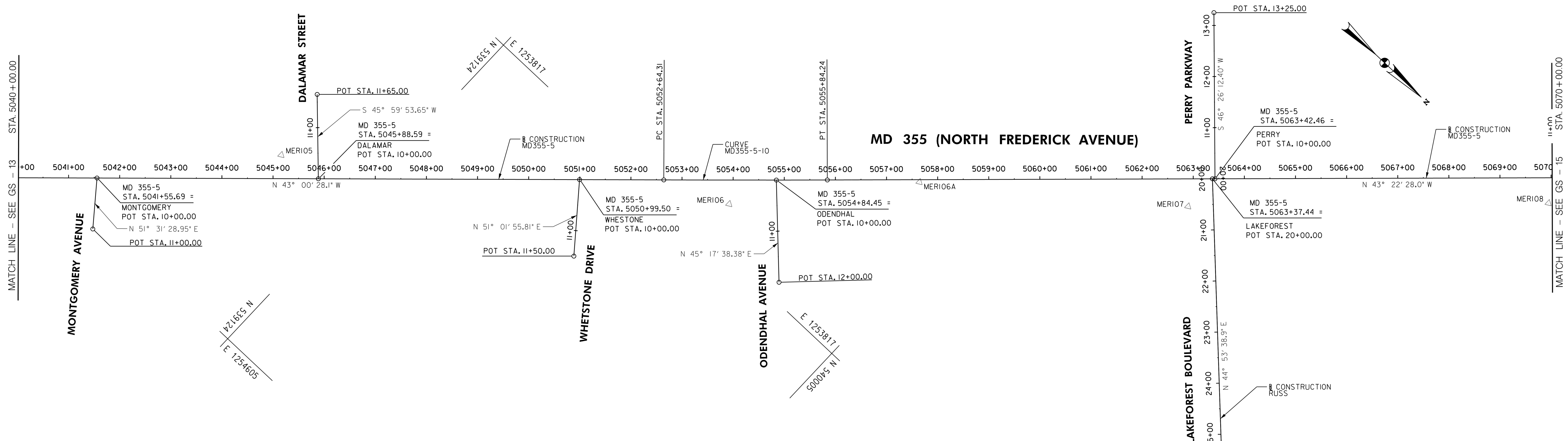
GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 24 of 887

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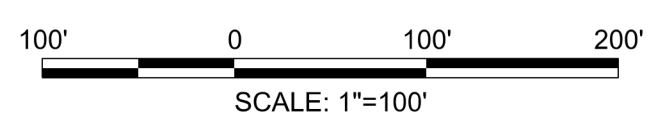
MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-5-10	PC	5052+64.3060	539,533.2139	1,253,794.5619	N 43° 00' 28.1467°
	PI	5054+24.2721	539,650.1908	1,253,685.4493	
	PT	5055+84.2372	539,766.4672	1,253,575.5904	N 43° 22' 27.9576°
	CC		505,428.3062	1,217,231.5304	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-5-10	0° 21' 59.8109° LT	0° 06' 52.5296°	50,000.0000'	159.9661'	319.9312'	0.2559'
CURVE RUSS-I	42° 19' 53.5063° RT	6° 44' 26.4478°	850.0000'	329.1091'	628.0009'	61.4893'

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MERIO5	538,954.49291	1,254,271.39546	482.13
MERIO6	539,658.86908	1,253,741.49276	468.52
MERIO6A	539,900.65063	1,253,455.45253	464.45
MERIO7	540,316.51252	1,253,130.30728	461.67
MERIO8	540,825.90622	1,252,643.10186	447.83

LAKEFOREST BLVD./RUSSEL AV.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
RUSS-I	POT	20+00.0000	540,313.9580	1,253,058.3167	N 44° 53' 38.95° E
	PI	27+06.6684	540,814.5703	1,253,557.0827	N 52° 20' 26.99° W
	CC		541,566.3603	1,253,974.1923	

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
MONTGOMERY	POT	10+00.0000	538,722.5232	1,254,550.7501	
	POT	11+00.0000	538,784.7409	1,254,629.0377	N 51° 31' 28.95° E
DALAMAR	POT	10+00.0000	539,039.0891	1,254,255.4668	
	POT	11+65.0000	538,924.4668	1,254,136.7793	S 45° 59' 53.65° W
WHESTONE	POT	10+00.0000	539,412.7008	1,253,906.9729	
	POT	11+50.0000	539,507.0334	1,254,023.5978	N 51° 01' 55.81° E
ODENDHAL	POT	10+00.0000	539,693.8675	1,253,644.0463	
	POT	12+00.0000	539,834.5613	1,253,786.1914	N 45° 17' 38.38° E
PERRY	POT	10+00.0000	540,317.6053	1,253,054.8707	
	POT	13+25.0000	540,093.6300	1,252,819.3711	S 46° 26' 12.40° W



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 GAITHERSBURG, MARYLAND

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 Chief, Design Section
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 Chief, Division of Transportation Engineering
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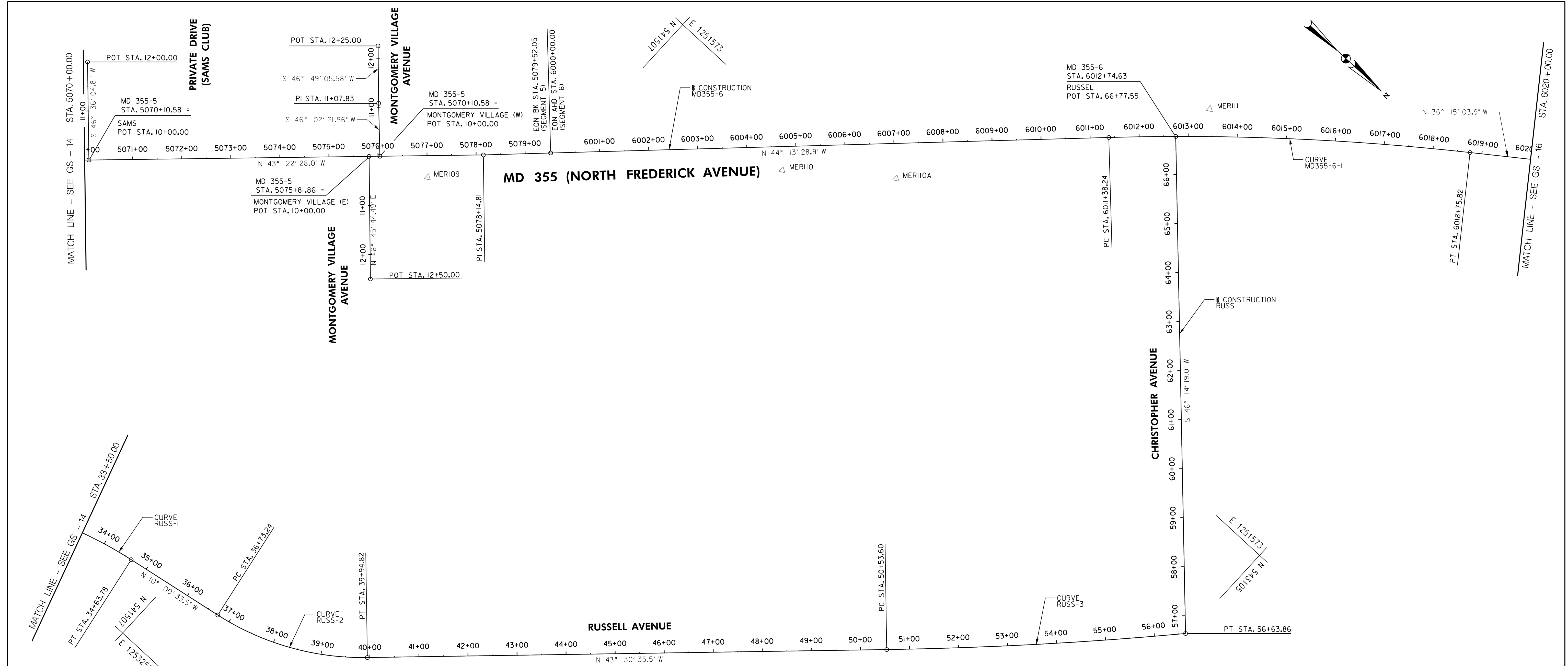
MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 25 of 887

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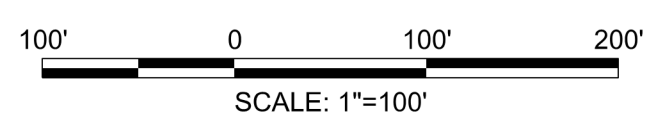
RUSSEL AVE./CHRISTOPHER AVE.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
RUSS-2	PC	36+73.2404	541,624.8992	1,253,100.7232	N 10° 00' 33.4876"
	PI	38+38.7746	541,787.9139	1,253,071.9520	
	PT	39+94.8228	541,907.9685	1,252,957.9851	N 43° 30' 35.5479"
	CC		541,529.3047	1,252,559.0945	
RUSS-3	PC	50+53.6008	542,675.8533	1,252,229.0381	N 43° 30' 35.5479"
	PI	53+58.8805	542,897.2592	1,252,018.8592	
	PT	56+63.8617	543,101.9322	1,251,792.3538	N 47° 53' 55.1397"
	CC		537,190.7365	1,246,450.9257	
	POT	66+77.5545	542,400.8050	1,251,060.2379	S 46° 14' 19.04" W

SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
SAMS CLUB	POT	10+00.0000	540,803.2469	1,252,596.0326	
	POT	12+00.0000	540,665.8328	1,252,450.7144	S 46° 36' 04.81" W
MONTGOMERY VILLAGE E	POT	10+00.0000	541,218.5041	1,252,203.6942	
	POT	12+50.0000	541,389.7606	1,252,385.8239	N 46° 45' 44.49" E
MONTGOMERY VILLAGE W	POT	10+00.0000	541,234.4378	1,252,188.6399	
	POT	11+07.8311	541,159.5854	1,252,111.0212	S 46° 02' 21.96" W
	POT	12+25.0000	541,079.4050	1,252,025.5833	S 46° 49' 05.58" W

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER109	541,335.46334	1,252,154.36371	448.68
MER110	541,857.26129	1,251,654.12197	444.61
MER110A	542,039.96597	1,251,509.39002	438.86
MER111	542,414.25666	1,250,972.47324	433.84

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	PI	5078+14.8058	541,387.8256	1,252,043.7180	N 44° 13' 28.87" W
	POT	5079+52.0542	541,486.1792	1,251,947.9908	N 44° 13' 28.87" W
	POT	6000+00.0000	541,486.1792	1,251,947.9908	N 44° 13' 28.87" W
MD355-6-1	PC	6011+38.2377	542,301.8519	1,251,154.0997	N 44° 13' 28.8650"
	PI	6015+07.6229	542,566.5571	1,250,896.4631	
	PT	6018+75.8154	542,864.4417	1,250,678.0364	N 36° 15' 03.8972"
	CC		545,998.4636	1,254,952.1336	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-6-1	7° 58' 24.9678" RT	1° 04' 51.7888"	5,300.0000'	369.3852'	737.5777'	12.8566'
CURVE RUSS-2	33° 30' 02.0603" LT	10° 25' 02.6920"	550.0000'	165.5342'	321.5824'	24.3706'
CURVE RUSS-3	4° 23' 19.5918" LT	0° 43' 08.9897"	7,967.0000'	305.2797'	610.2609'	5.8467'



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GAITHERSBURG, MARYLAND

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

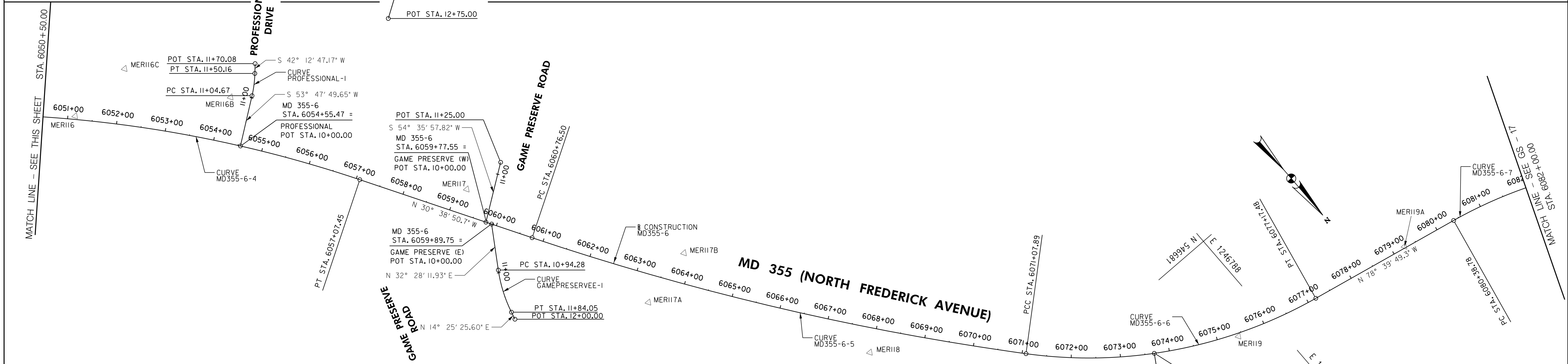
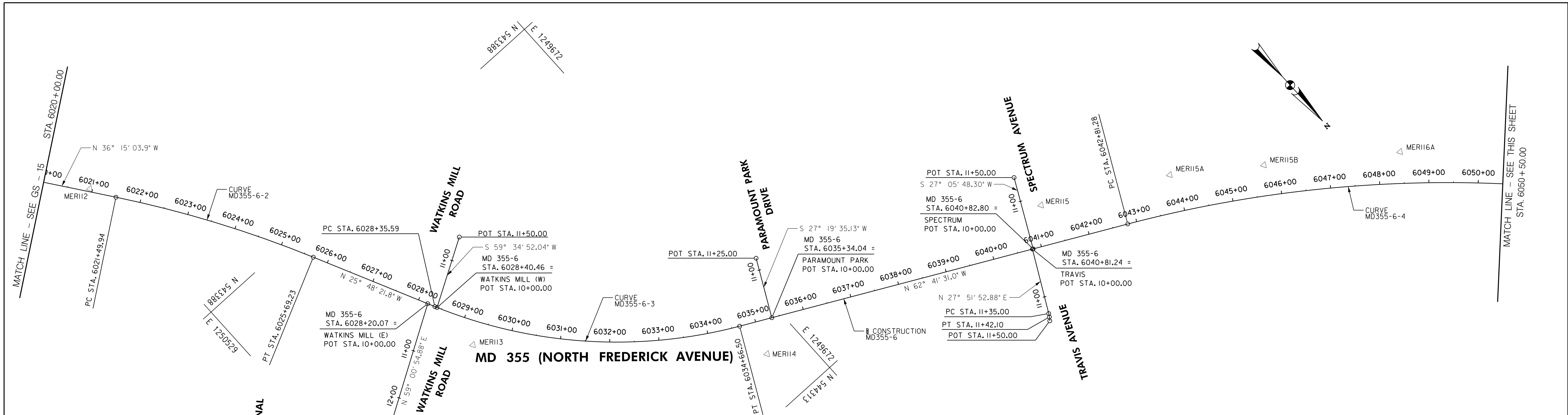
MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 26 of 887

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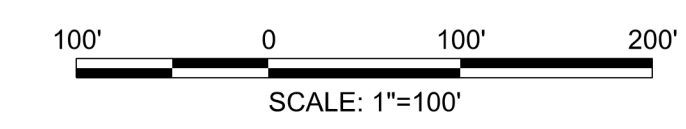
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MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-6-2	PC	6021+49.9427	543,085.5072	1,250,515.9381	N 36° 15' 03.8972"
	PI	6023+60.1703	543,255.0417	1,250,391.6254	
	PT	6025+69.2327	543,444.3038	1,250,300.1078	N 25° 48' 21.8238"
MD355-6-3	PC	6028+35.5937	543,684.1013	1,250,184.1538	N 25° 48' 21.8238"
	PI	6031+62.4122	543,978.3270	1,250,041.8811	
	PT	6034+66.4980	544,128.2631	1,249,751.4857	N 62° 41' 30.9609"
MD355-6-4	PC	6042+81.2816	544,502.0651	1,249,027.5076	N 62° 41' 30.9609"
	PI	6050+13.5543	544,838.0133	1,248,376.8448	
	PT	6057+07.4511	545,468.0024	1,248,003.5660	N 30° 38' 50.7398"
	CC		546,767.8744	1,250,197.3830	

MD355 BRT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-6-5	PC	6060+76.4979	545,785.5009	1,247,815.4430	N 30° 38' 50.7398"
	PI	6065+93.7190	546,230.4767	1,247,551.7876	
	PCC	6071+07.8904	546,618.3239	1,247,209.6002	N 41° 25' 16.0203"
MD355-6-6	CC		542,989.4663	1,243,096.5261	
	PCC	6071+07.8904	546,618.3239	1,247,209.6002	N 41° 25' 16.0203"
	PI	6074+23.8915	546,855.2828	1,247,000.5376	
PT	6077+17.4822	546,917.3983	1,246,690.7015	N 78° 39' 49.3390"	
CC			545,997.8698	1,246,506.3558	

CURVE DATA, TRAVERSE POINTS AND SIDE STREET DETAILS ARE ON SHEET GS-16A					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD 355-6	PC	6073+69.16	545,997.8698	1,246,506.3558	N 78° 39' 49.3390"
	PI	6073+69.16	545,997.8698	1,246,506.3558	
	POT	6073+69.16	545,997.8698	1,246,506.3558	N 0° 11' 31.28"



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MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 27 of 887

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SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
WATKINS MILL E	POT	10+00.0000	543,670.1241	1,250,190.9125	
	POT	12+75.0000	543,811.6968	1,250,426.6712	N 59° 00' 54.88" E
WATKINS MILL W	POT	10+00.0000	543,688.4802	1,250,182.0230	
	POT	11+50.0000	543,612.5325	1,250,052.6709	S 59° 34' 52.04" W
PARAMOUNT PARK	POT	10+00.0000	544,159.2484	1,249,691.4735	
	POT	11+25.0000	544,048.1977	1,249,634.0910	S 27° 19' 35.13" W
TRAVIS	POT	10+00.0000	544,410.2891	1,249,205.2589	
	POT	11+50.0000	544,542.0481	1,249,276.7517	N 35° 59' 52.97" E
SPECTRUM	POT	10+00.0000	544,411.0056	1,249,203.8713	
	POT	11+50.0000	544,277.4698	1,249,135.5471	S 27° 05' 48.30" W
GAME PRESERVE W	POT	10+00.0000	545,700.3726	1,247,865.8829	
	POT	11+25.0000	545,627.9614	1,247,763.9927	S 54° 35' 57.82" W

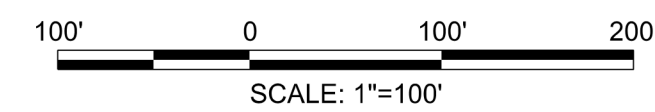
PROFESSIONAL					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
PROFESSIONAL-I	POT	10+00.0000	545,257.9136	1,248,142.5062	S 53° 47' 49.65" W
	PC	11+04.6696	545,196.0909	1,248,058.0451	S 53° 47' 49.6472"
	PI	11+27.4926	545,182.6106	1,248,039.6285	
	PT	11+50.1600	545,165.7068	1,248,024.2940	S 42° 12' 47.1689"
	CC		545,014.5315	1,248,190.9405	
POT	11+70.0847	545,150.9495	1,248,010.9068	S 42° 12' 47.17" W	

GAME PRESERVE E					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
GAMEPRESERVEE-I	POT	10+00.0000	545,710.8700	1,247,859.6630	N 32° 28' 11.93" E
	PC	10+94.2808	545,790.4122	1,247,910.2784	N 32° 28' 11.9304"
	PI	11+39.5382	545,828.5946	1,247,934.5752	
	PT	11+84.0460	545,872.4254	1,247,945.8484	N 14° 25' 25.5991"
	CC		545,943.4166	1,247,669.8316	
POT	12+00.0000	545,887.8765	1,247,949.8224	N 14° 25' 25.60" E	

WHEATFIELD					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
WHEATFIELD-I	POT	10+00.0000	546,787.7955	1,247,011.8589	N 31° 29' 12.11" E
	PC	10+77.6658	546,854.0259	1,247,052.4238	N 31° 29' 12.1055"
	PI	11+11.7114	546,883.0587	1,247,070.2058	
	PT	11+44.0135	546,917.1041	1,247,070.0917	N 0° 11' 31.2794" W
	CC		546,916.7019	1,246,950.0924	
POT	11+75.0000	546,948.0904	1,247,069.9879	N 0° 11' 31.28" W	

CURVE DATA							
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	
CURVE MD355-6-2	10° 26' 42.0734" RT	2° 29' 28.0351"	2,300.0000'	210.2275'	419.2900'	9.5878'	
CURVE MD355-6-3	36° 53' 09.1371" LT	5° 50' 47.4292"	980.0000'	326.8185'	630.9043'	53.0587'	
CURVE MD355-6-4	32° 02' 40.2211" RT	2° 14' 48.8159"	2,550.0000'	732.2727'	1,426.1694'	103.0592'	
CURVE MD355-6-5	10° 46' 25.2806" LT	1° 02' 40.4776"	5,485.0694'	517.2211'	1,031.3924'	24.3320'	
CURVE MD355-6-6	37° 14' 33.3187" LT	6° 06' 33.9501"	937.8252'	316.0011'	609.5918'	51.8075'	
CURVE PROFESSIONAL-I	11° 35' 02.4783" LT	25° 27' 53.2472"	225.0000'	22.8230'	45.4903'	1.1546'	
CURVE GAMEPRESERVEE-I	18° 02' 46.3314" RT	20° 06' 13.6162"	285.0000'	45.2574'	89.7652'	3.5710'	
CURVE WHEATFIELD-I	31° 40' 43.3849" LT	47° 44' 47.3385"	120.0000'	34.0456'	66.3478'	4.7361'	

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MER112	543,037.37500	1,250,543.94050	428.13
MER113	543,794.04650	1,250,178.83310	418.25
MER114	544,207.74149	1,249,747.77742	397.98
MER115	544,356.04390	1,249,132.58774	374.41
MER115A	544,485.36611	1,248,897.22281	364.66
MER115B	544,598.55787	1,248,742.09293	357.98
MER116A	544,763.85414	1,248,518.74884	352.00
MER116	544,993.14102	1,248,356.94705	345.06
MER116C	544,986.03943	1,248,218.26327	343.42
MER116B	545,170.27727	1,248,092.98126	334.46
MER117	545,624.58732	1,247,851.79778	325.68
MER117A	546,039.23763	1,247,722.18473	331.85
MER117B	546,010.49546	1,247,602.14917	332.52
MER118	546,409.70722	1,247,447.97115	340.09
MER118A	546,847.40367	1,247,032.31296	357.80
MER119	546,873.46540	1,246,859.82240	365.80
MER119A	546,955.40795	1,246,485.54033	386.71



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 Chief, Design Section

APPROVED

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 Chief, Division of Transportation Engineering

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

GS-16A

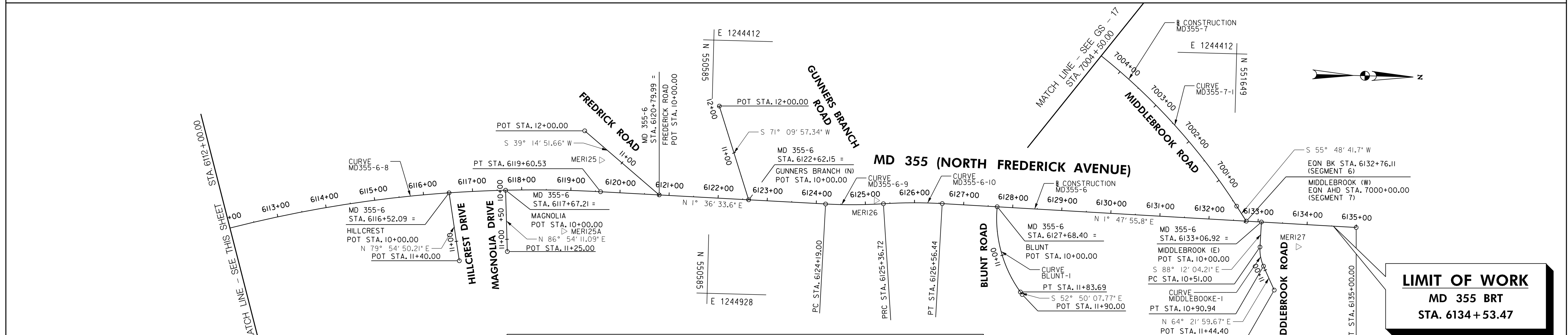
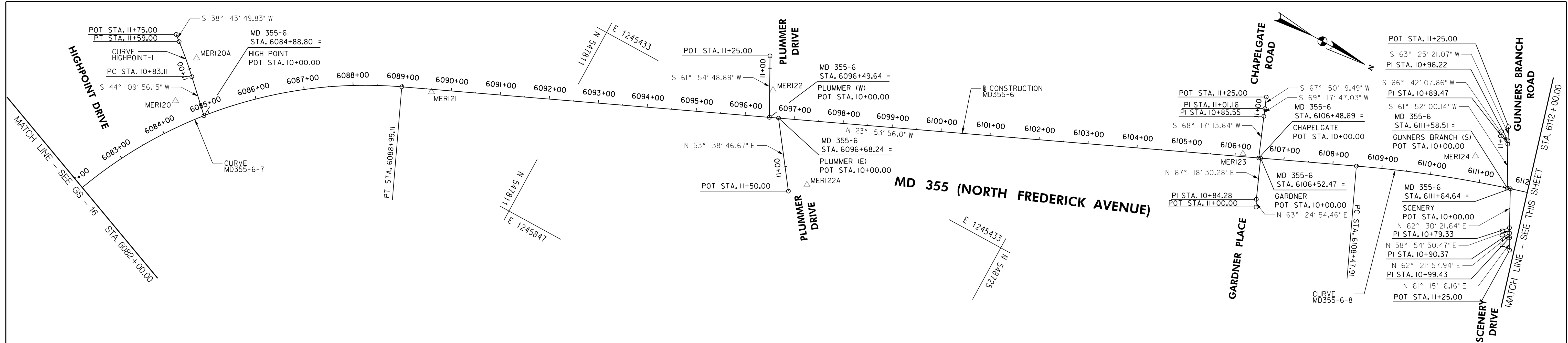
MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 27A of 887

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LIMIT OF WORK
MD 355 BRT
STA. 6134 + 53.47

MD355 BRT						
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING	
MD355-6-7	PC	6080+38.7842	546,980.5558	1,246,375.6680	N 78° 39' 49.3390"	
	PI	6085+04.9940	547,072.1974	1,245,918.5537		
	PT	6088+99.1103	547,498.4353	1,245,729.6811	N 23° 53' 55.9541"	
	CC		547,863.0814	1,246,552.5955		
MD355-6-8	PC	6108+47.9110	549,280.1495	1,244,940.1759	N 23° 53' 55.9541"	
	PI	6114+13.5942	549,797.3321	1,244,711.0042		
	PT	6119+60.5285	550,362.7921	1,244,726.8910	N 1° 36' 33.5555" E	
	CC		550,292.6059	1,247,225.0347		
MD355-6-9	PC	6124+18.9993	550,821.0820	1,244,739.7668	N 1° 36' 33.5555" E	
	PI	6124+77.9274	550,879.9869	1,244,741.4218		
	PRC	6125+36.7208	550,938.6818	1,244,736.1847	N 5° 05' 55.4393" W	
	CC		550,849.3208	1,243,734.6634		
MD355-6-10	PRC	6125+36.7208	550,938.6818	1,244,736.1847	N 5° 05' 55.4393" W	
	PI	6125+96.6548	550,998.3786	1,244,730.8582		
	PT	6126+56.4439	551,058.2830	1,244,732.7396	N 1° 47' 55.7949" E	
	CC		551,027.0653	1,245,726.7495		
POT	6135+00.0000	551,901.4234	1,244,759.2191	N 1° 47' 55.79" E		

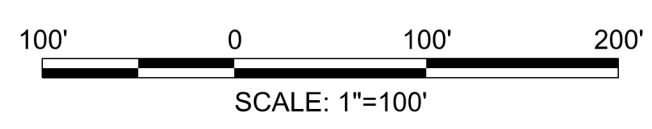
MIDDLEBROOK RD.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-1	POT	7000+00.0000	551,677.6395	1,244,752.1910	S 55° 48' 41.75" W
	PC	7000+36.2227	551,657.2853	1,244,722.2278	S 55° 48' 41.7498"
	PI	7003+01.0896	551,508.4524	1,244,503.1314	
	PT	7005+58.5276	551,284.6702	1,244,361.4416	S 32° 20' 25.1897"
CC			550,602.6126	1,245,438.6706	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-6-7	54° 45' 53.3849" RT	6° 21' 56.1217"	900.0860'	466.2098'	860.3261'	113.5739'
CURVE MD355-6-8	25° 30' 29.5095" RT	2° 17' 33.4663"	2,499.1295'	565.6832'	1,112.6175'	63.2221'
CURVE MD355-6-9	6° 42' 28.9948" LT	5° 41' 53.6555"	1,005.5000'	58.9281'	117.7216'	1.7253'
CURVE MD355-6-10	6° 53' 51.2341" RT	5° 45' 40.5536"	994.5000'	59.9340'	119.7231'	1.8043'
CURVE MD355-7-1	23° 28' 16.5602" LT	4° 29' 37.6319"	1,275.0000'	264.8669'	522.3049'	27.2210'
CURVE HIGHPOINT-1	5° 26' 06.3262" LT	7° 09' 43.1008"	800.0000'	37.9726'	75.8882'	0.9007'
CURVE BLUNT-1	40° 53' 50.9553" LT	22° 15' 53.1060"	257.3385'	95.9526'	183.6871'	17.3067'
CURVE MIDDLEBOOKE-1	27° 25' 56.1236" LT	68° 40' 06.6796"	83.4382'	20.3649'	39.9488'	2.4493'

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
MERI20	547,108.28156	1,245,975.62691	419.09
MERI20A	547,104.13264	1,245,878.50970	419.22
MERI21	547,556.59242	1,245,710.06391	437.22
MERI22	548,164.60868	1,245,373.51905	423.56
MERI22A	548,317.54726	1,245,509.80233	420.52
MERI23	549,065.69385	1,245,029.03882	449.16
MERI24	549,482.97731	1,244,806.25967	459.50
MERI25A	550,289.71451	1,244,809.24230	447.90
MERI25	550,362.56393	1,244,662.58850	454.57
MERI26	550,923.79550	1,244,729.91800	453.73
MERI27	551,784.14890	1,244,801.60280	438.17

SIDE STREET BASELINE DETAILS ARE ON SHEET GS-17A

GS-17



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
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering
 Design by: _____ Drawn by: _____ Checked by: _____

MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT
 SCALE: 1" = 100' DATE: DECEMBER 2022
 Project No.: 502005 SHEET 28 of 887

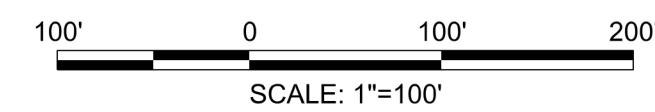
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SIDE STREET BASELINE					
BASELINE	POINT NO.	STATION	NORTH	EAST	BEARING
PLUMMER W	POT	10+00.0000	548,184.6195	1,245,425.6222	
	POT	11+25.0000	548,125.7691	1,245,315.3425	S 61° 54' 48.69" W
PLUMMER E	POT	10+00.0000	548,201.6207	1,245,418.0887	
	POT	11+49.9995	548,290.5357	1,245,538.8943	N 53° 38' 46.67" E
CHAPEL GATE	POT	10+00.0000	549,098.0134	1,245,020.8832	
	POT	10+85.5491	549,066.3641	1,244,941.4038	S 68° 17' 13.64" W
	POT	11+01.1567	549,060.8463	1,244,926.8042	S 69° 17' 47.03" W
GARDNER	POT	11+25.0000	549,051.8522	1,244,904.7222	S 67° 50' 19.49" W
	POT	10+00.0000	549,101.4663	1,245,019.3532	
	POT	10+84.2784	549,133.9784	1,245,097.1079	N 67° 18' 30.28" E
GUNNERS BRANCH S	POT	11+00.0000	549,141.0142	1,245,111.1673	N 63° 24' 54.46" E
	POT	10+00.0000	549,571.1954	1,244,832.2926	
	POT	10+89.4726	549,529.0069	1,244,753.3909	S 61° 52' 00.14" W
SCENERY	POT	10+96.2205	549,526.3380	1,244,747.1932	S 66° 42' 07.66" W
	POT	11+25.0000	549,513.4619	1,244,721.4548	S 63° 25' 21.07" W
	POT	10+00.0000	549,577.0695	1,244,830.5294	
HILLCREST	POT	10+79.3342	549,613.6946	1,244,900.9036	N 62° 30' 21.64" E
	POT	10+90.3659	549,619.3905	1,244,910.3510	N 58° 54' 50.47" E
	POT	10+99.4279	549,623.5936	1,244,918.3793	N 62° 21' 57.94" E
MAGNOLIA	POT	11+25.0000	549,635.8918	1,244,940.8000	N 61° 15' 16.16" E
	POT	10+00.0000	550,054.7248	1,244,737.2524	
	POT	11+40.0000	550,079.2426	1,244,875.0889	N 79° 54' 50.21" E
FREDERICK ROAD	POT	10+00.0000	550,169.5306	1,244,728.9377	
	POT	11+25.0000	550,176.2837	1,244,853.7551	N 86° 54' 11.09" E
	POT	10+00.0000	550,482.2059	1,244,730.2460	
GUNNERS BRANCH N	POT	12+00.0000	550,327.3222	1,244,603.7112	S 39° 14' 51.66" W
	POT	10+00.0000	550,664.2903	1,244,735.3617	
POT	12+00.0000	550,599.7246	1,244,546.0702	S 71° 09' 57.34" W	

HIGHPOINT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	POT	10+00.0000	547,173.3987	1,245,974.2421	S 44° 09' 56.15" W
HIGHPOINT-I	PC	10+83.1136	547,113.7789	1,245,916.3340	S 44° 09' 56.1535"
	PI	11+21.0862	547,086.5400	1,245,889.8772	
	PT	11+59.0018	547,056.9177	1,245,866.1194	S 38° 43' 49.8273"
	CC		546,556.3912	1,246,490.1973	
	POT	11+75.0000	547,044.4376	1,245,856.1100	S 38° 43' 49.83" W

BLUNT					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
BLUNT-I	PC	10+00.0000	551,170.1791	1,244,736.2538	S 86° 16' 01.2784"
	PI	10+95.9526	551,163.9319	1,244,832.0028	
	PT	11+83.6871	551,221.8974	1,244,908.4679	N 52° 50' 07.7662"
	CC		551,426.9716	1,244,753.0082	
	POT	11+90.0000	551,225.7111	1,244,913.4986	N 52° 50' 07.77" E

MIDDLEBROOKE E					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MIDDLEBROOKE-I	POT	10+00.0000	551,708.4388	1,244,753.1583	S 88° 12' 04.21" E
	PC	10+50.9958	551,706.8380	1,244,804.1290	S 88° 12' 04.2051"
	PI	10+71.3608	551,706.1987	1,244,824.4839	
	PT	10+90.9446	551,715.0088	1,244,842.8445	N 64° 21' 59.6713"
	CC		551,790.2351	1,244,806.7482	
	POT	11+44.4030	551,738.1355	1,244,891.0415	N 64° 21' 59.67" E



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 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

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 Chief, Design Section

APPROVED

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 Chief, Division of Transportation Engineering

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

GS-17A

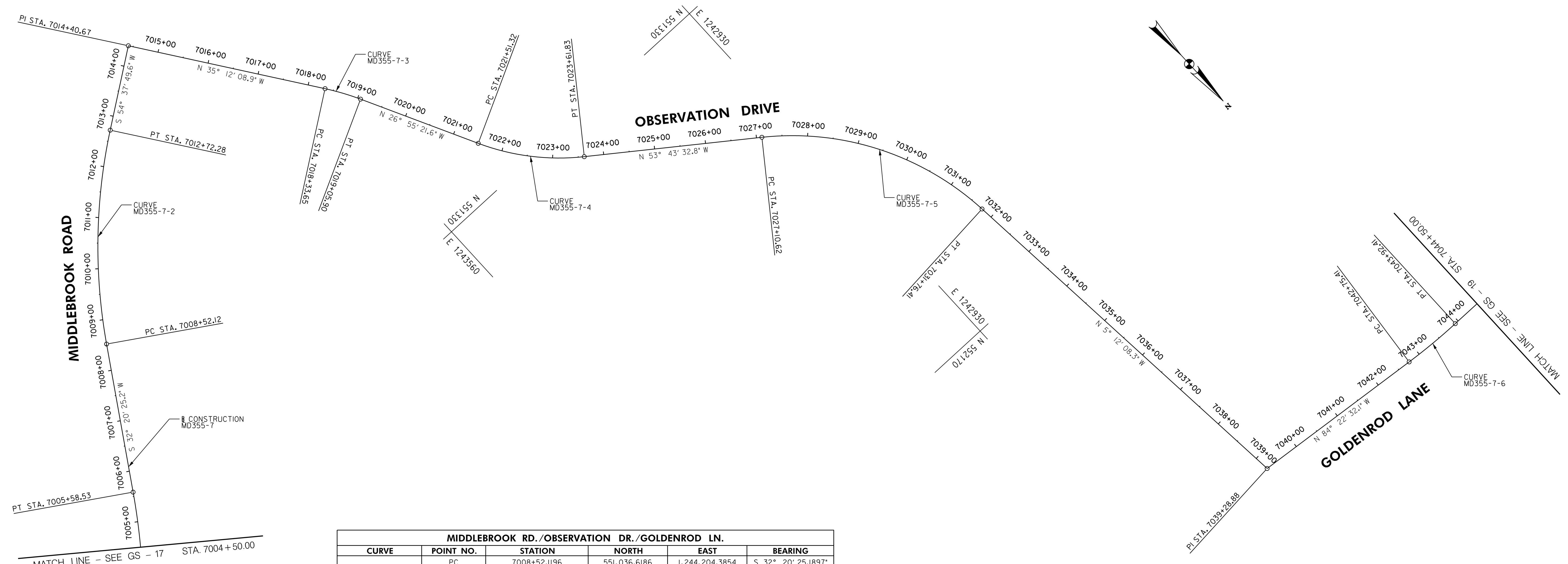
MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

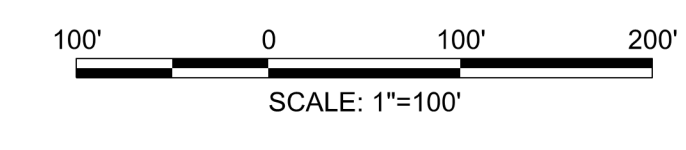
Project No. : 502005 SHEET 29 of 887

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MIDDLEBROOK RD./OBSERVATION DR./GOLDENROD LN.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-2	PC	7008+52.1196	551,036.6186	1,244,204.3854	S 32° 20' 25.1897"
	PI	7010+64.8894	550,856.8525	1,244,090.5648	
	PT	7012+72.2785	550,733.6912	1,243,917.0647	S 54° 37' 49.6311"
	CC		551,614.3616	1,243,291.9091	
MD355-7-3	PC	7014+40.6696	550,636.2183	1,243,779.7526	N 35° 12' 08.94" W
	PI	7018+33.6478	550,957.3286	1,243,553.2134	N 35° 12' 08.9386"
	PT	7018+69.8383	550,986.9007	1,243,532.3507	
	CC		551,019.1688	1,243,515.9641	N 26° 55' 21.5624"
MD355-7-4	PC	7021+51.3225	551,237.9895	1,243,404.8412	N 26° 55' 21.5624"
	PI	7022+58.5407	551,333.5872	1,243,356.2942	
	PT	7023+61.8339	551,397.0228	1,243,269.8555	N 53° 43' 32.8445"
	CC		551,034.2352	1,243,003.6128	
MD355-7-5	PC	7027+10.6222	551,603.3836	1,242,988.6642	N 53° 43' 32.8445"
	PI	7029+58.5148	551,750.0493	1,242,788.8145	
	PT	7031+76.4142	551,996.9207	1,242,766.3375	N 5° 12' 08.3047" W
	CC		552,046.7907	1,243,314.0719	
MD355-7-6	PC	7039+28.8826	552,746.2895	1,242,698.1091	N 84° 22' 32.13" W
	PI	7042+75.4090	552,780.2515	1,242,353.2511	N 84° 22' 32.1320"
	PT	7043+33.9562	552,785.9895	1,242,294.9857	
	CC		552,786.0283	1,242,236.4384	N 89° 57' 43.2427"
			551,586.0286	1,242,235.6428	

CURVE DATA							
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	
CURVE MD355-7-2	22° 17' 24.4414" RT	5° 18' 18.5932"	1,080.0000'	212.7698'	420.1589'	20.7593'	
CURVE MD355-7-3	8° 16' 47.3762" RT	11° 27' 32.9612"	500.0000'	36.1906'	72.2551'	1.3080'	
CURVE MD355-7-4	26° 48' 11.2821" LT	12° 43' 56.6236"	450.0000'	107.2181'	210.5113'	12.5967'	
CURVE MD355-7-5	48° 31' 24.5398" RT	10° 25' 02.6920"	550.0000'	247.8925'	465.7920'	53.2833'	
CURVE MD355-7-6	5° 35' 11.1106" LT	4° 46' 28.7339"	1,200.0000'	58.5472'	117.0017'	1.4274'	



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 GAITHERSBURG, MARYLAND

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 Chief, Design Section _____ Date _____

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MD 355 BUS RAPID TRANSIT (BRT)

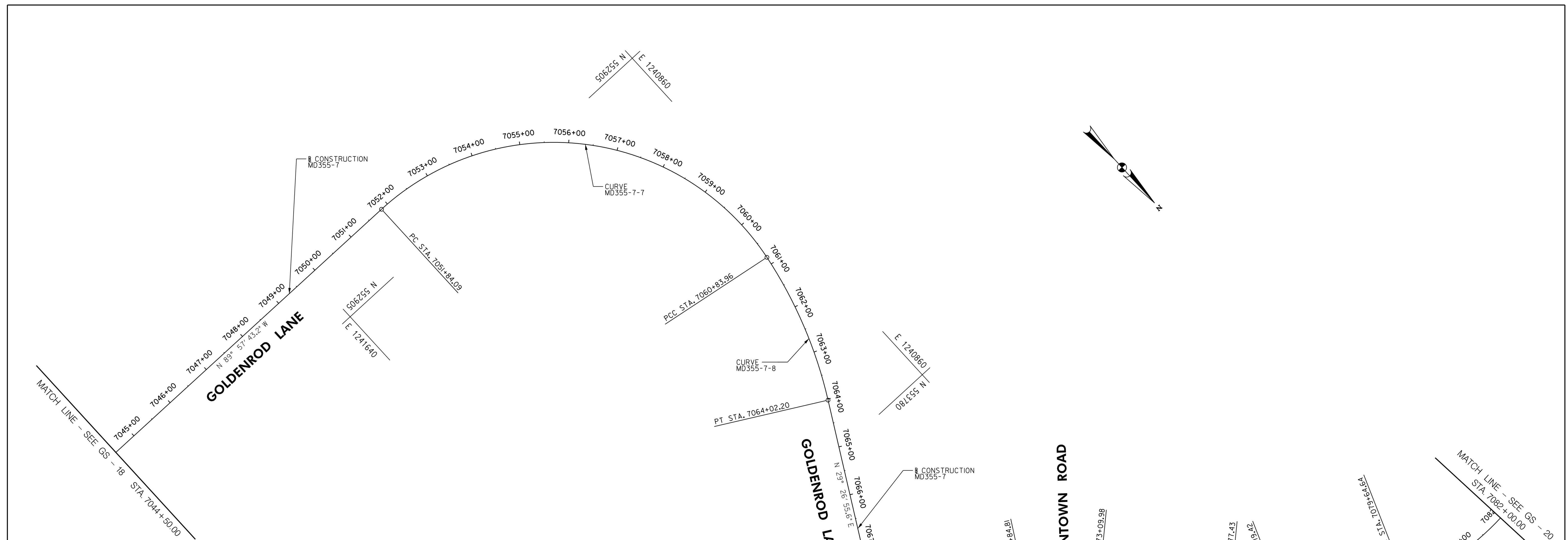
GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 30 of 887

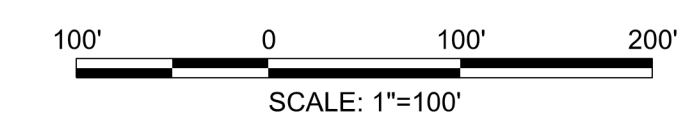
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GOLDENROD LN.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-7	PC	7051+84.0915	552,786.5532	1,241,444.7578	N 89° 57' 43.2427"
	PI	7057+94.5630	552,786.9580	1,240,834.2864	
	PCC	7060+83.9597	553,389.5949	1,240,931.7761	N 9° 11' 21.2503" E
	CC		553,306.5531	1,241,445.1026	
MD355-7-8	PCC	7060+83.9597	553,389.5949	1,240,931.7761	N 9° 11' 21.2503" E
	PI	7062+44.7566	553,548.3282	1,240,957.4547	
	PT	7064+02.1957	553,688.3494	1,241,036.5097	N 29° 26' 55.5853"
	CC		553,245.8687	1,241,820.2258	
MD355-7-9	PC	7067+94.2672	554,029.7635	1,241,229.2698	N 29° 26' 55.5853"
	PI	7069+42.1552	554,158.5437	1,241,301.9782	
	PT	7070+27.7597	554,233.0708	1,241,174.2419	N 59° 44' 19.6263"
	CC		554,103.5103	1,241,098.6505	
MD355-7-10	PC	7071+84.8071	554,312.2138	1,241,038.5943	N 59° 44' 19.6263"
	PI	7072+47.9109	554,344.0145	1,240,984.0892	
	PT	7073+09.9830	554,391.0505	1,240,942.0214	N 41° 48' 31.1852"
	CC		554,657.7086	1,241,240.1715	
MD355-7-11	PC	7075+77.4260	554,590.3959	1,240,763.7318	N 41° 48' 31.1852"
	PI	7076+49.7791	554,644.3261	1,240,715.4980	
	PT	7077+19.4205	554,670.3404	1,240,647.9833	N 68° 55' 39.4431"
	CC		554,390.4023	1,240,540.1193	
MD355-7-12	PC	7079+64.6428	554,758.5093	1,240,419.1598	N 68° 55' 39.4431"
	PI	7081+02.5238	554,808.0840	1,240,290.4994	
	PT	7082+34.2017	554,787.3975	1,240,154.1791	S 81° 22' 16.5163"
	CC		554,273.2833	1,240,232.1954	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-7-7	99° 09' 04.4929" RT	11° 01' 06.3089"	520.0000'	610.4715'	899.8682'	281.9199'
CURVE MD355-7-8	20° 15' 34.3351" RT	6° 21' 58.3118"	900.0000'	160.7969'	318.2361'	14.2514'
CURVE MD355-7-9	89° 11' 15.2116" LT	38° 11' 49.8708"	150.0000'	147.8880'	233.4925'	60.6439'
CURVE MD355-7-10	17° 55' 48.4411" RT	14° 19' 26.2016"	400.0000'	63.1038'	125.1759'	4.9470'
CURVE MD355-7-11	27° 07' 08.2579" LT	19° 05' 54.9354"	300.0000'	72.3531'	141.9945'	8.6016'
CURVE MD355-7-12	29° 42' 04.0406" LT	11° 01' 06.3089"	520.0000'	137.8810'	269.5588'	17.9695'



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MD 355 BUS RAPID TRANSIT (BRT)

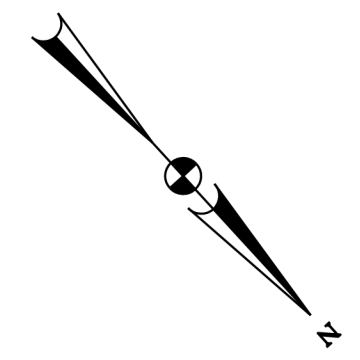
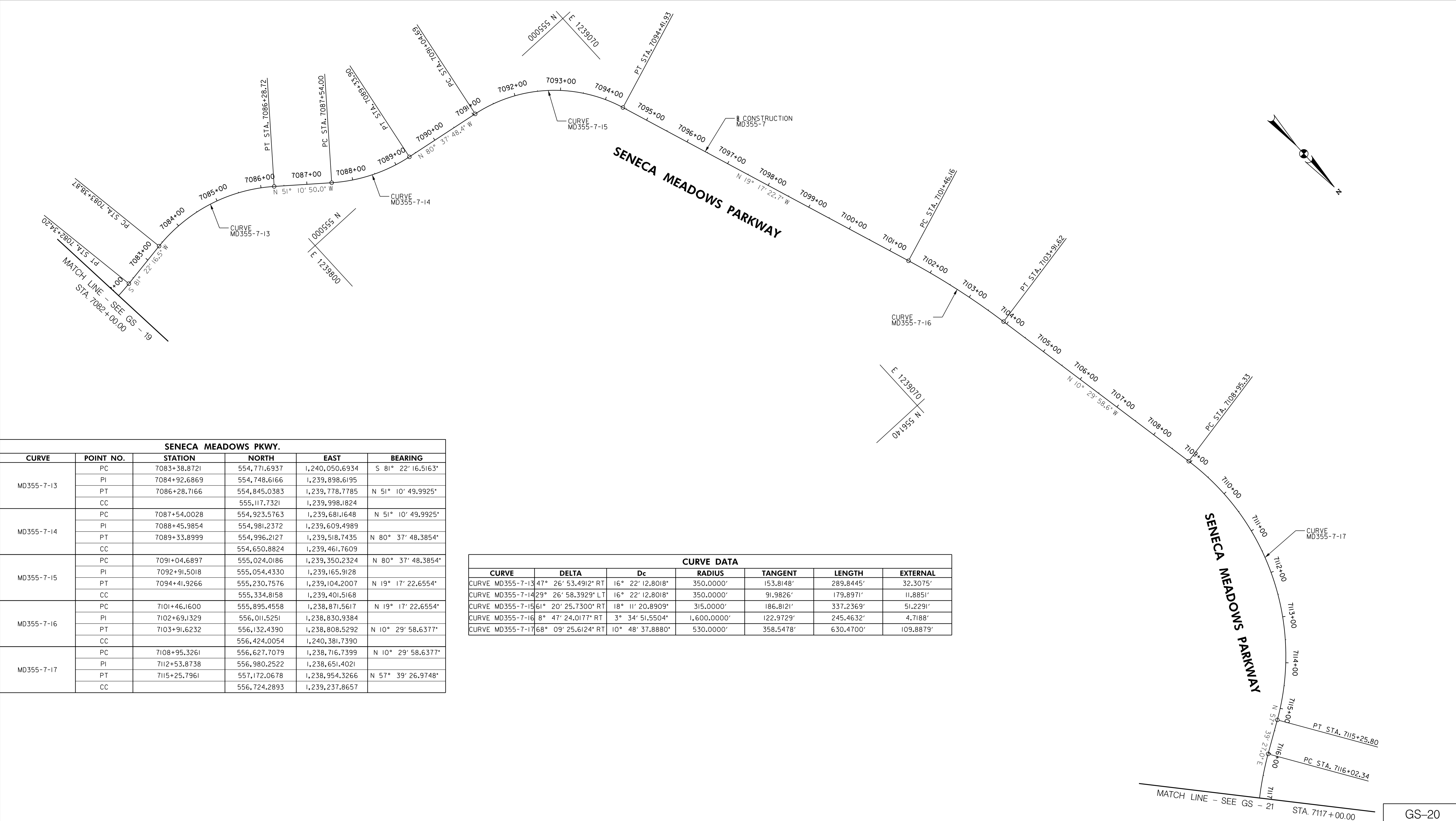
GEOMETRIC LAYOUT

SCALE: 1" = 100' DATE: DECEMBER 2022

Project No.: 502005 SHEET 31 of 887

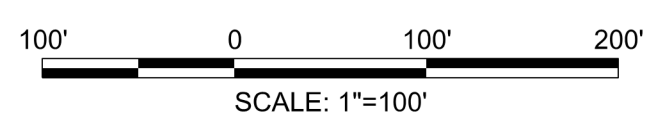
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SENeca MEADOWS PKWY.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-13	PC	7083+38.8721	554,771.6937	1,240,050.6934	S 81° 22' 16.5163"
	PI	7084+92.6869	554,748.6166	1,239,898.6195	
	PT	7086+28.7166	554,845.0383	1,239,778.7785	N 51° 10' 49.9925"
MD355-7-14	CC		555,117.7321	1,239,998.1824	
	PC	7087+54.0028	554,923.5763	1,239,681.1648	N 51° 10' 49.9925"
	PI	7088+45.9854	554,981.2372	1,239,609.4989	
MD355-7-15	PT	7089+33.8999	554,996.2127	1,239,518.7435	N 80° 37' 48.3854"
	CC		554,650.8824	1,239,461.7609	
	PC	7091+04.6897	555,024.0186	1,239,350.2324	N 80° 37' 48.3854"
MD355-7-16	PI	7092+91.5018	555,054.4330	1,239,165.9128	
	PT	7094+41.9266	555,230.7576	1,239,104.2007	N 19° 17' 22.6554"
	CC		555,334.8158	1,239,401.5168	
MD355-7-17	PC	7101+46.1600	555,895.4558	1,238,871.5617	N 19° 17' 22.6554"
	PI	7102+69.1329	556,011.5251	1,238,830.9384	
	PT	7103+91.6232	556,132.4390	1,238,808.5292	N 10° 29' 58.6377"
MD355-7-17	CC		556,424.0054	1,240,381.7390	
	PC	7108+95.3261	556,627.7079	1,238,716.7399	N 10° 29' 58.6377"
	PI	7112+53.8738	556,980.2522	1,238,651.4021	
MD355-7-17	PT	7115+25.7961	557,172.0678	1,238,954.3266	N 57° 39' 26.9748"
	CC		556,724.2893	1,239,237.8657	

CURVE DATA							
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	
CURVE MD355-7-13	47° 26' 53.4912" RT	16° 22' 12.8018"	350.0000'	153.8148'	289.8445'	32.3075'	
CURVE MD355-7-14	29° 26' 58.3929" LT	16° 22' 12.8018"	350.0000'	91.9826'	179.8971'	11.8851'	
CURVE MD355-7-15	61° 20' 25.7300" RT	18° 11' 20.8909"	315.0000'	186.8121'	337.2369'	51.2291'	
CURVE MD355-7-16	8° 47' 24.0177" RT	3° 34' 51.5504"	1,600.0000'	122.9729'	245.4632'	4.7188'	
CURVE MD355-7-17	68° 09' 25.6124" RT	10° 48' 37.8880"	530.0000'	358.5478'	630.4700'	109.8879'	



PROFESSIONAL CERTIFICATION:
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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 _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
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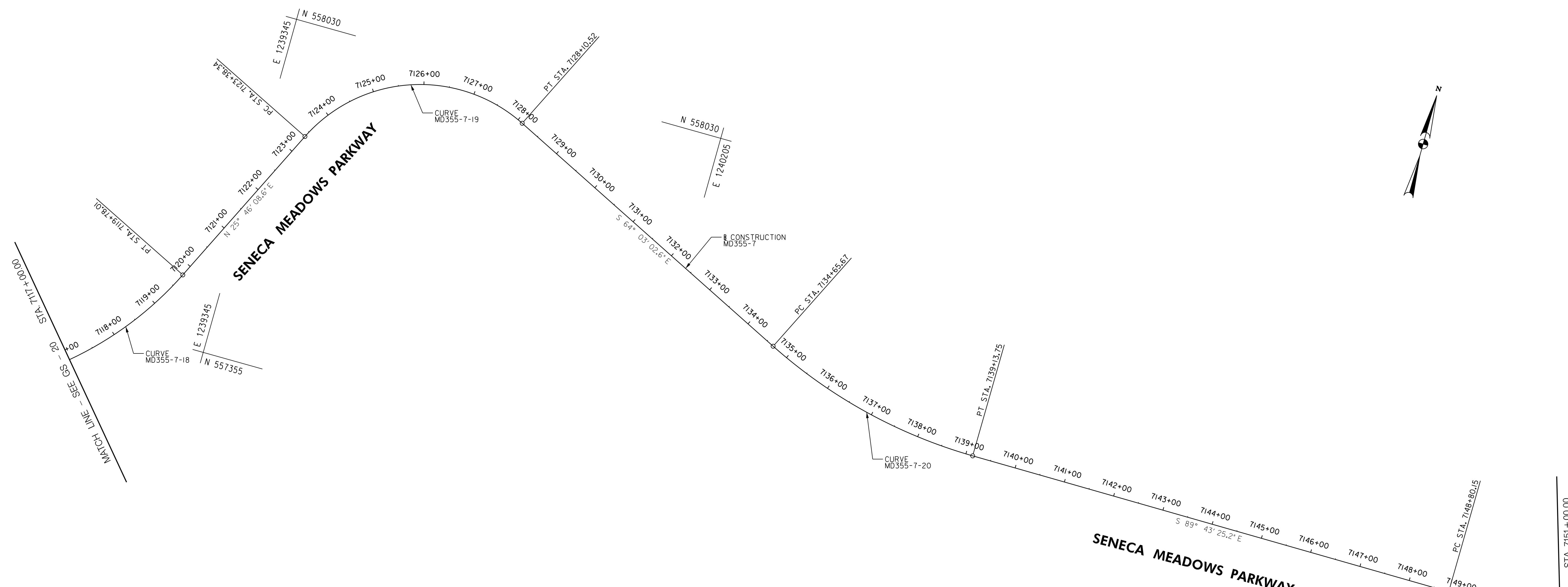
MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 32 of 887

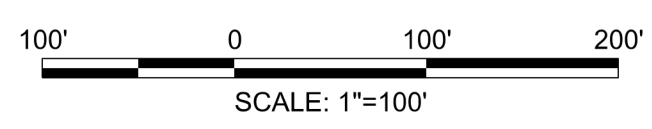
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SENECA MEADOWS PKWY.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-18	PC	7116+02.3380	557,213.0162	1,239,018.9943	N 57° 39' 26.9748"
	PI	7117+95.1801	557,316.1827	1,239,181.9198	
	PT	7119+78.0147	557,489.8473	1,239,265.7570	N 25° 46' 08.6359"
	CC		557,783.3001	1,238,657.8833	
MD355-7-19	PC	7123+38.3361	557,814.3361	1,239,422.4049	N 25° 46' 08.6359"
	PI	7126+39.2812	558,085.3532	1,239,553.2392	
	PT	7128+10.5186	557,953.6671	1,239,823.8435	S 64° 03' 02.6012"
	CC		557,683.9126	1,239,692.5709	
MD355-7-20	PC	7134+65.6677	557,666.9900	1,240,412.9417	S 64° 03' 02.6012"
	PI	7136+93.5317	557,567.2824	1,240,617.8328	
	PT	7139+13.7452	557,566.1834	1,240,845.6942	S 89° 43' 25.2196"
	CC		558,566.1718	1,240,850.5170	
MD355-7-21	PC	7148+80.1482	557,561.5227	1,241,812.0859	S 89° 43' 25.2196"
	PI	7150+26.8536	557,560.8151	1,241,958.7896	
	PT	7151+69.6500	557,617.1995	1,242,094.2270	N 67° 23' 50.5999"
	CC		558,286.5142	1,241,815.5824	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-7-18	31° 53' 18.3388" LT	8° 29' 17.7491"	675.0000'	192.8421'	375.6767'	27.0065'
CURVE MD355-7-19	90° 10' 48.7628" RT	19° 05' 54.9354"	300.0000'	300.9451'	472.1825'	124.9329'
CURVE MD355-7-20	25° 40' 22.6184" LT	5° 43' 46.4806"	1,000.0000'	227.8640'	448.0775'	25.6325'
CURVE MD355-7-21	22° 52' 44.1805" LT	7° 54' 10.3181"	725.0000'	146.7055'	289.5018'	14.6942'



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

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 Chief, Design Section _____ Date _____

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 Chief, Division of Transportation Engineering _____ Date _____

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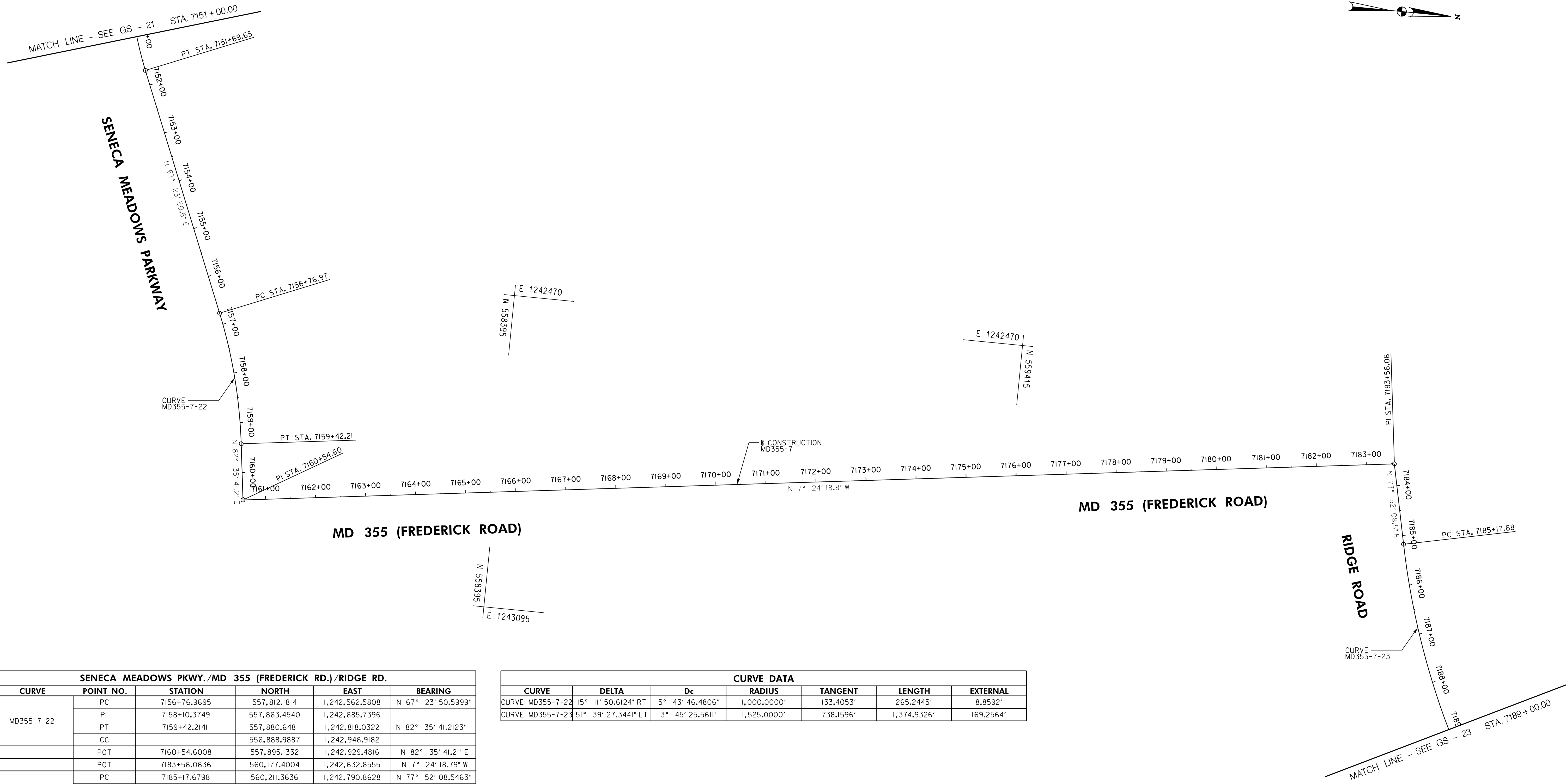
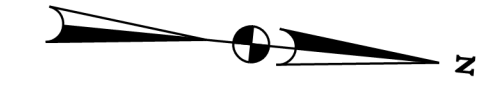
MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 33 of 887

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MD 355 (FREDERICK ROAD)

MD 355 (FREDERICK ROAD)

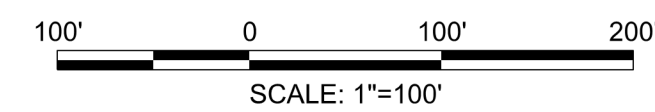
RIDGE ROAD

SENECA MEADOWS PKWY./MD 355 (FREDERICK RD.)/RIDGE RD.

CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-22	PC	7156+76.9695	557,812.1814	1,242,562.5808	N 67° 23' 50.5999"
	PI	7158+10.3749	557,863.4540	1,242,685.7396	
	PT	7159+42.2141	557,880.6481	1,242,818.0322	N 82° 35' 41.2123"
	CC		556,888.9887	1,242,946.9182	
MD355-7-23	POT	7160+54.6008	557,895.1332	1,242,929.4816	N 82° 35' 41.21" E
	POT	7183+56.0636	560,177.4004	1,242,632.8555	N 7° 24' 18.79" W
	PC	7185+17.6798	560,211.3636	1,242,790.8628	N 77° 52' 08.5463"
	PI	7192+55.8395	560,366.4855	1,243,512.5392	
	PT	7198+92.6124	561,028.7403	1,243,838.5733	N 26° 12' 41.2022"
CC		561,702.3101	1,242,470.3888		

CURVE DATA

CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-7-22	15° 11' 50.6124" RT	5° 43' 46.4806"	1,000.0000'	133,405.3'	265,244.5'	8,859.2'
CURVE MD355-7-23	51° 39' 27.3441" LT	3° 45' 25.5611"	1,525.0000'	738,159.6'	1,374,932.6'	169,256.4'



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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 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)

GEOMETRIC LAYOUT

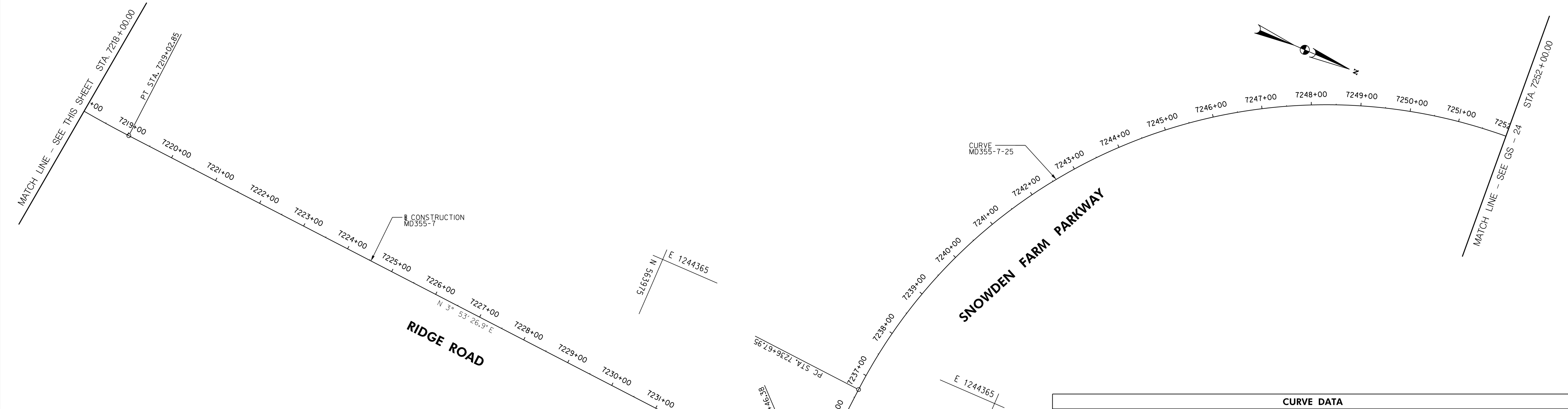
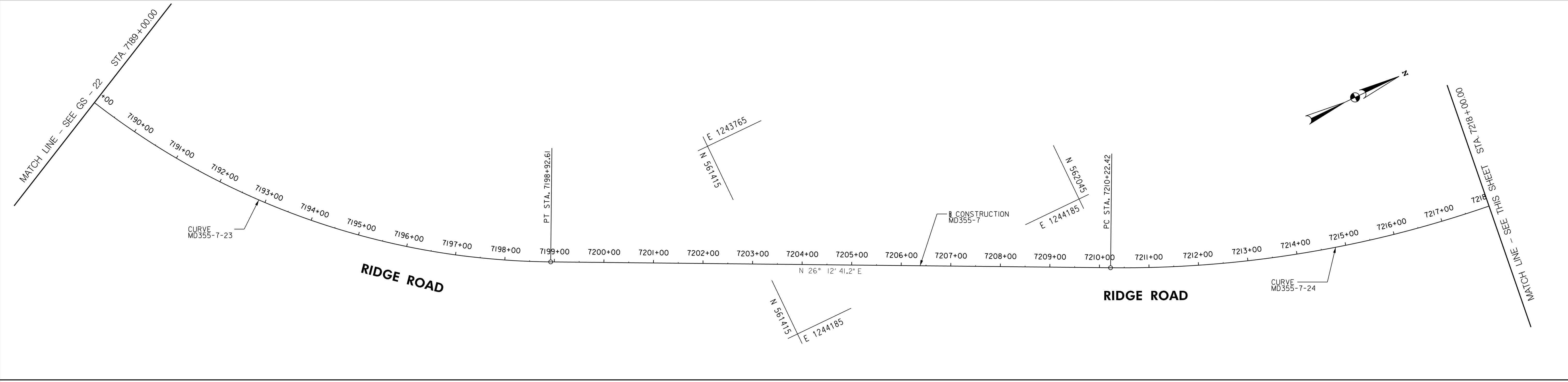
SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 34 of 887

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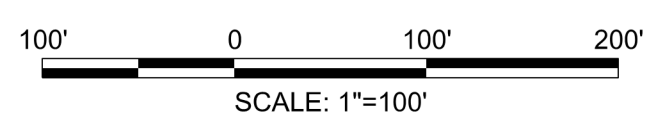
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RIDGE RD./SNOWDEN FARM PKWY.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-24	PC	7210+22.4203	562,042.3702	1,244,337.5926	N 26° 12' 41.2022"
	PI	7214+68.2859	562,442.3876	1,244,534.5248	
	PT	7219+02.8452	562,887.2255	1,244,564.7791	N 3° 53' 26.9237" E
	CC		563,040.5785	1,242,309.9880	
MD355-7-25	POT	7234+46.3805	564,427.2033	1,244,669.5162	N 3° 53' 26.92" E
	PC	7236+67.9480	564,442.1265	1,244,448.4518	N 86° 08' 16.9442"
	PI	7249+34.7498	564,527.4493	1,243,184.5267	
	PT	7255+23.2063	565,757.3640	1,243,488.0006	N 13° 51' 37.8832"
CC		565,502.7126	1,244,520.0480		

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-7-24	22° 19' 14.2785" LT	2° 32' 06.7613"	2,260.0000'	445.8656'	880.4249'	43.5616'
CURVE MD355-7-25	99° 59' 54.8274" RT	5° 23' 24.0269"	1,063.0000'	1,266.8018'	1,855.2583'	590.7097'



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 Chief, Division of Transportation Engineering
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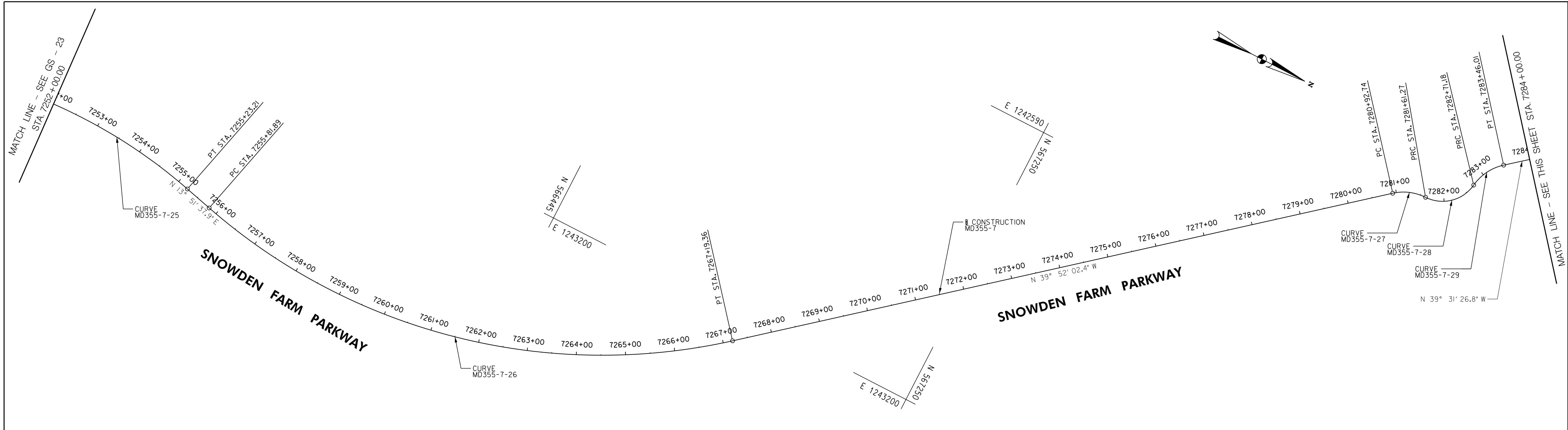
MD 355 BUS RAPID TRANSIT (BRT)
 GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

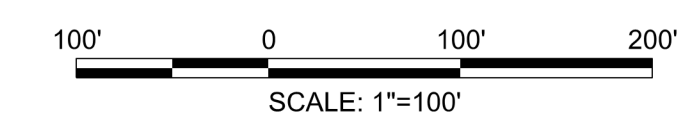
Project No. : 502005 SHEET 35 of 887

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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)

GEOMETRIC LAYOUT

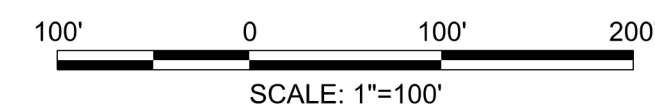
SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 36 of 887

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SNOWDEN FARM PKWY.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-26	PC	7255+81.8917	565,814.3406	1,243,502.0593	N 13° 51' 37.8832"
	PI	7261+96.3218	566,410.8796	1,243,649.2516	
	PT	7267+19.3558	566,882.4736	1,243,255.3944	N 39° 52' 02.4059"
	CC		566,104.9259	1,242,324.3797	
MD355-7-27	PC	7280+92.7415	567,936.5894	1,242,375.0375	N 39° 52' 02.4059"
	PI	7281+28.4101	567,963.9661	1,242,352.1735	
	PRC	7281+61.2651	567,999.6326	1,242,351.7961	N 0° 36' 22.3599" W
	CC		568,000.6906	1,242,451.7905	
MD355-7-28	PRC	7281+61.2651	567,999.6326	1,242,351.7961	N 0° 36' 22.3599" W
	PI	7282+27.9544	568,066.3181	1,242,351.0906	
	PRC	7282+71.1848	568,075.1411	1,242,284.9875	N 82° 23' 51.0800"
	CC		567,998.8179	1,242,274.8005	
MD355-7-29	PRC	7282+71.1848	568,075.1411	1,242,284.9875	N 82° 23' 51.0800"
	PI	7283+10.4482	568,080.3356	1,242,246.0691	
	PT	7283+46.0130	568,110.6217	1,242,221.0817	N 39° 31' 26.8255"
	CC		568,174.2620	1,242,298.2174	
MD355-7-30	PC	7284+22.7085	568,169.7813	1,242,172.2725	N 39° 31' 26.8255"
	PI	7285+60.7540	568,276.2637	1,242,084.4199	
	PT	7286+98.5955	568,374.0144	1,241,986.9450	N 44° 55' 08.5954"
	CC		566,305.1206	1,239,912.1972	
MD355-7-31	PC	7287+19.7419	568,388.9883	1,241,972.0133	N 44° 55' 08.5954"
	PI	7288+38.6916	568,473.2172	1,241,888.0222	
	PT	7289+57.4620	568,549.0910	1,241,796.4133	N 50° 22' 01.9039"
	CC		566,623.7206	1,240,201.7507	
MD355-7-32	PC	7302+14.0539	569,350.6271	1,240,828.6513	N 50° 22' 01.9039"
	PI	7302+52.5884	569,375.2068	1,240,798.9741	
	PRC	7302+87.6157	569,413.3454	1,240,793.4650	N 8° 13' 09.9393" W
	CC		569,427.6419	1,240,892.4378	
MD355-7-33	PRC	7302+87.6157	569,413.3454	1,240,793.4650	N 8° 13' 09.9393" W
	PI	7303+61.2216	569,486.1953	1,240,782.9420	
	PRC	7304+05.0970	569,478.9648	1,240,709.6921	S 84° 21' 45.3538"
	CC		569,402.3372	1,240,717.2560	
MD355-7-34	PRC	7304+05.0970	569,478.9648	1,240,709.6921	S 84° 21' 45.3538"
	PI	7304+42.2201	569,475.3181	1,240,672.7485	
	PT	7304+76.1895	569,496.6617	1,240,642.3746	N 54° 54' 15.8236"
	CC		569,578.4811	1,240,699.8688	
MD355-7-35	PC	7305+15.9631	569,519.5293	1,240,609.8320	N 54° 54' 15.8236"
	PI	7309+62.3175	569,776.1574	1,240,244.6276	
	PT	7314+00.1825	569,897.3831	1,239,815.0505	N 74° 14' 27.7855"
	CC		567,375.8615	1,239,103.4827	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
MD355-7-26	53° 43' 40.2891" LT	4° 43' 24.5182"	1,213.0000'	614.4301'	1,137.4641'	146.7402'
MD355-7-27	39° 15' 40.0460" RT	57° 17' 44.8062"	100.0000'	35.6685'	68.5236'	6.1708'
MD355-7-28	81° 47' 28.7201" LT	74° 24' 36.3718"	77.0000'	66.6893'	109.9196'	24.8649'
MD355-7-29	42° 52' 24.2545" RT	57° 17' 44.8059"	100.0000'	39.2635'	74.8282'	7.4319'
MD355-7-30	5° 23' 41.7699" LT	1° 57' 19.7545"	2,930.0000'	138.0455'	275.8870'	3.2502'
MD355-7-31	5° 26' 53.3085" LT	2° 17' 30.5922"	2,500.0000'	118.9496'	237.7200'	2.8282'
MD355-7-32	42° 08' 51.9646" RT	57° 17' 44.8062"	100.0000'	38.5344'	73.5617'	7.1676'
MD355-7-33	87° 25' 04.7069" LT	74° 24' 36.3718"	77.0000'	73.6059'	117.4813'	29.5215'
MD355-7-34	40° 43' 58.8226" RT	57° 17' 44.8059"	100.0000'	37.1231'	71.0925'	6.6683'
MD355-7-35	19° 20' 11.9619" LT	2° 11' 12.7025"	2,620.0000'	446.3543'	884.2194'	37.7495'



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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 GAITHERSBURG, MARYLAND

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 Chief, Design Section

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 Chief, Division of Transportation Engineering

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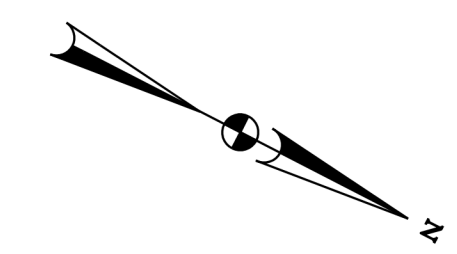
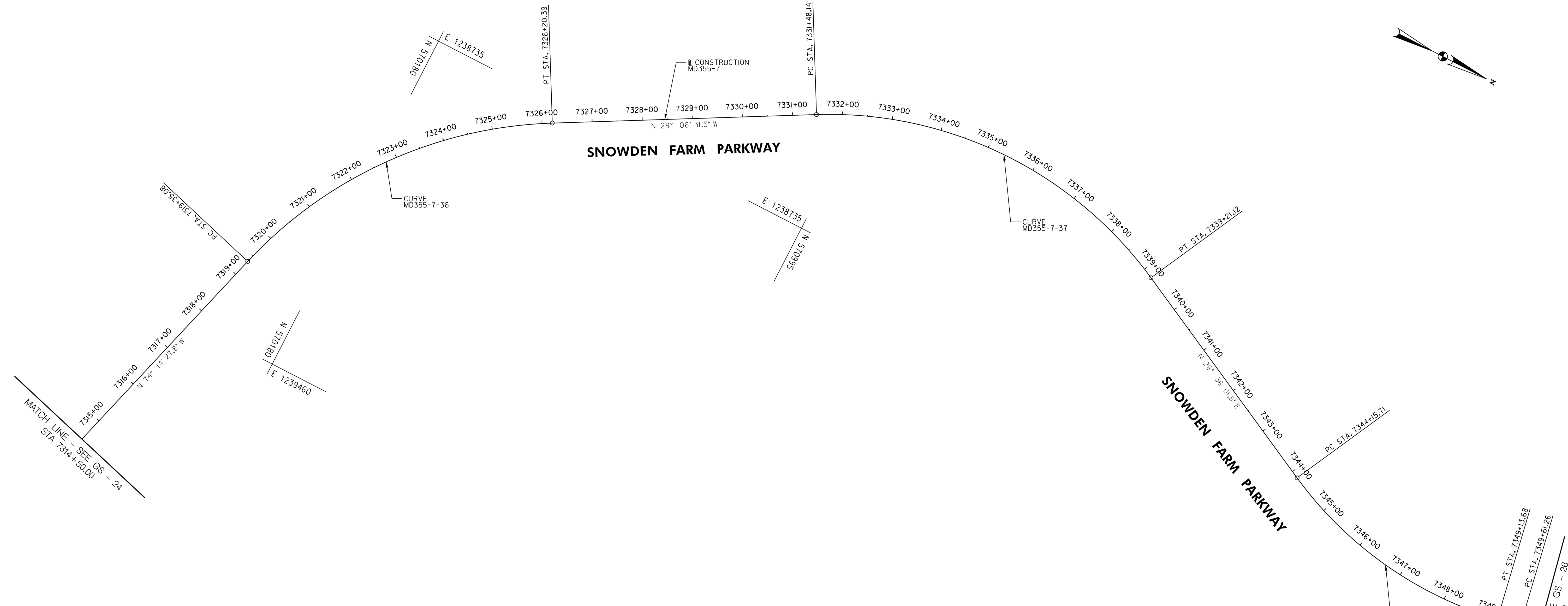
MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

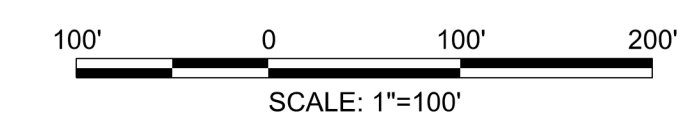
Project No. : 502005 SHEET 37 of 887

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SNOWDEN FARM PKWY.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-36	PC	7319+35.0837	570,042.6573	1,239,300.2547	N 74° 14' 27.855"
	PI	7322+96.6268	570,140.8491	1,238,952.3010	
	PT	7326+20.3889	570,456.7285	1,238,776.4215	N 29° 06' 31.5239"
	CC		570,879.9565	1,239,536.5387	
MD355-7-37	PC	7331+48.1352	570,917.8193	1,238,519.6894	N 29° 06' 31.5239"
	PI	7335+68.2604	571,284.8818	1,238,315.3116	
	PT	7339+21.1217	571,660.5368	1,238,503.4297	N 26° 36' 01.8230"
	CC		571,304.5621	1,239,214.2792	
MD355-7-38	PC	7344+15.7109	572,102.7739	1,238,724.8905	N 26° 36' 01.8230"
	PI	7346+73.8759	572,333.6122	1,238,840.4882	
	PT	7349+13.6791	572,587.2921	1,238,792.5753	N 10° 41' 43.9590"
	CC		572,445.3156	1,238,040.8655	

CURVE DATA							
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	
CURVE MD355-7-36	45° 07' 56.2616" RT	6° 35' 08.5984"	870.0000'	361.5431'	685.3052'	72.1324'	
CURVE MD355-7-37	55° 42' 33.3469" RT	7° 12' 25.2586"	795.0000'	420.1252'	772.9865'	104.1831'	
CURVE MD355-7-38	37° 17' 45.7821" LT	7° 29' 22.7198"	765.0000'	258.1650'	497.9682'	42.3872'	



PROFESSIONAL CERTIFICATION:
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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 _____ Date _____
 Chief, Design Section

APPROVED

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

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

GS-25

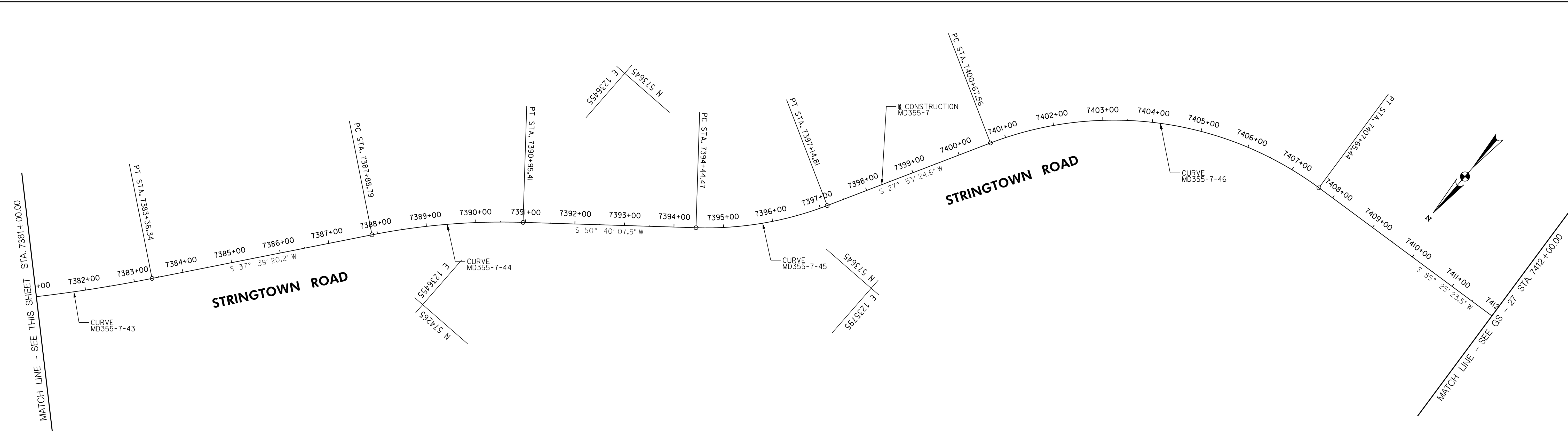
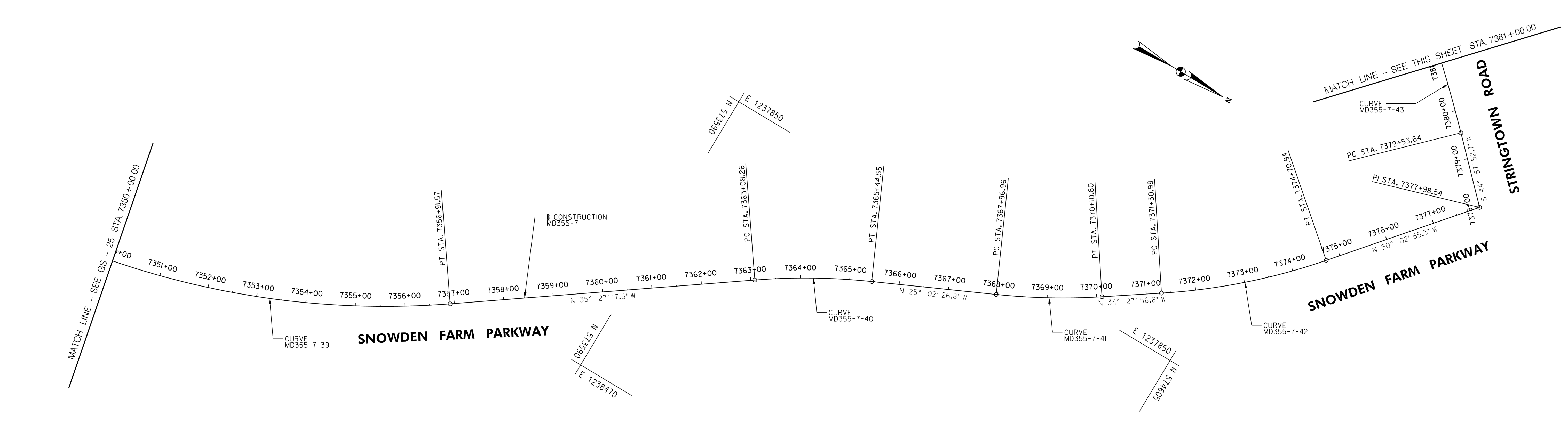
MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

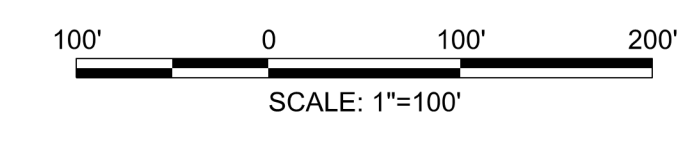
Project No. : 502005 SHEET 38 of 887

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BASELINE DETAILS ARE ON SHEET GS-26A

GS-26



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 GAITHERSBURG, MARYLAND

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 Chief, Design Section

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 Chief, Division of Transportation Engineering

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

MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

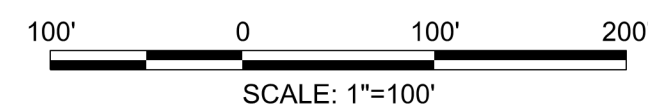
SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 39 of 887

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SNOWDEN FARM PKWY./STRINGTOWN RD.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-39	PC	7349+61.2648	572,634.0512	1,238,783.7439	N 10° 41' 43.9590"
	PI	7353+32.2065	572,998.5486	1,238,714.9008	
	PT	7356+91.5673	573,300.7076	1,238,499.7318	N 35° 27' 17.5126"
	CC		572,320.4037	1,237,123.1039	
MD355-7-40	PC	7363+08.2576	573,803.0466	1,238,142.0135	N 35° 27' 17.5126"
	PI	7364+26.7281	573,899.5495	1,238,073.2933	
	PT	7365+44.5460	574,006.8846	1,238,023.1491	N 25° 02' 26.7527"
	CC		574,557.1265	1,239,200.9581	
MD355-7-41	PC	7367+96.9581	574,235.5717	1,237,916.3125	N 25° 02' 26.7527"
	PI	7369+04.1226	574,332.6635	1,237,870.9537	
	PT	7370+10.8037	574,421.0170	1,237,810.3078	N 34° 27' 56.6178"
	CC		573,685.3298	1,236,738.5035	
MD355-7-42	PC	7371+30.9767	574,520.0954	1,237,742.3003	N 34° 27' 56.6178"
	PI	7373+02.0161	574,661.1114	1,237,645.5069	
	PT	7374+70.9443	574,770.9420	1,237,514.3897	N 50° 02' 55.3035"
	CC		573,812.7039	1,236,711.7193	
	PQT	7377+98.5363	574,981.3007	1,237,263.2608	N 50° 02' 55.30" W
MD355-7-43	PC	7379+53.6423	574,871.5565	1,237,153.6520	S 44° 57' 52.6902"
	PI	7381+45.2524	574,735.9841	1,237,018.2469	
	PT	7383+36.3426	574,584.2870	1,236,901.1897	S 37° 39' 20.1579"
	CC		572,751.5459	1,239,276.2812	
MD355-7-44	PC	7387+88.7945	574,226.0821	1,236,624.7806	S 37° 39' 20.1579"
	PI	7389+42.7647	574,104.1843	1,236,530.7181	
	PT	7390+95.4099	574,006.5976	1,236,411.6230	S 50° 40' 07.5421"
	CC		575,050.8156	1,235,555.9894	
MD355-7-45	PC	7394+44.4693	573,785.3629	1,236,141.6274	S 50° 40' 07.5421"
	PI	7395+81.4491	573,698.5447	1,236,035.6742	
	PT	7397+14.8110	573,577.4757	1,235,971.5980	S 27° 53' 24.6314"
	CC		573,259.3864	1,236,572.6132	
MD355-7-46	PC	7400+67.5607	573,265.6993	1,235,806.5894	S 27° 53' 24.6314"
	PI	7404+49.1114	572,928.4673	1,235,628.1083	
	PT	7407+65.4385	572,898.0214	1,235,247.7743	S 85° 25' 23.5152"
	CC		573,590.8052	1,235,192.3165	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-7-39	24° 45' 33.5536" LT	3° 23' 25.0181"	1,690.0000'	370.9417'	730.3025'	40.2305'
CURVE MD355-7-40	10° 24' 50.7599" RT	4° 24' 26.5236"	1,300.0000'	118.4706'	236.2884'	5.3870'
CURVE MD355-7-41	9° 25' 29.8652" LT	4° 24' 26.5236"	1,300.0000'	107.1646'	213.8456'	4.4095'
CURVE MD355-7-42	15° 34' 58.6857" LT	4° 35' 01.1845"	1,250.0000'	171.0394'	339.9676'	11.6475'
CURVE MD355-7-43	7° 18' 32.5323" LT	1° 54' 35.4935"	3,000.0000'	191.6100'	382.7003'	6.1128'
CURVE MD355-7-44	13° 00' 47.3842" RT	4° 14' 38.8745"	1,350.0000'	153.9702'	306.6154'	8.7519'
CURVE MD355-7-45	22° 46' 42.9107" LT	8° 25' 33.0597"	680.0000'	136.9798'	270.3417'	13.6595'
CURVE MD355-7-46	57° 31' 58.8838" RT	8° 14' 38.3894"	695.0000'	381.5507'	697.8778'	97.8467'



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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: _____

GS-26A

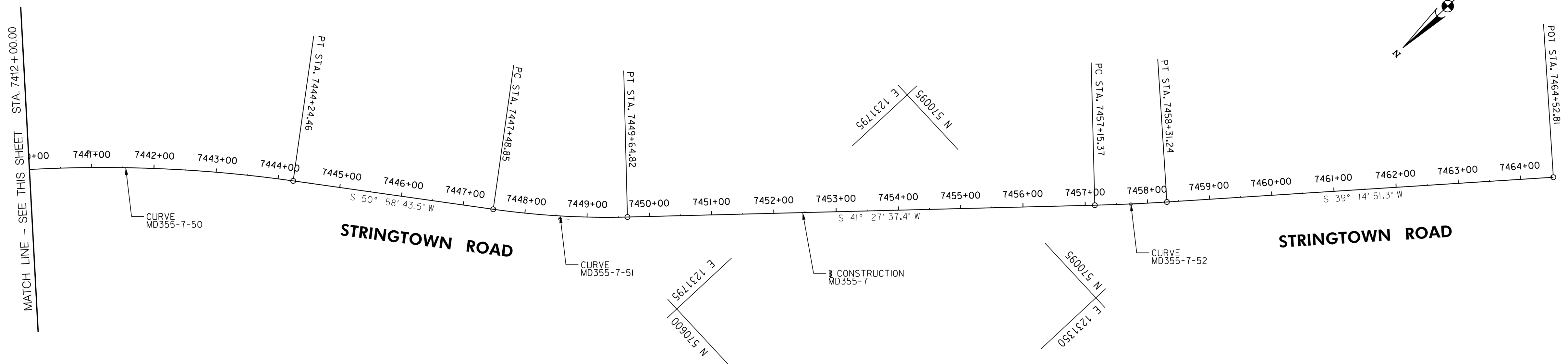
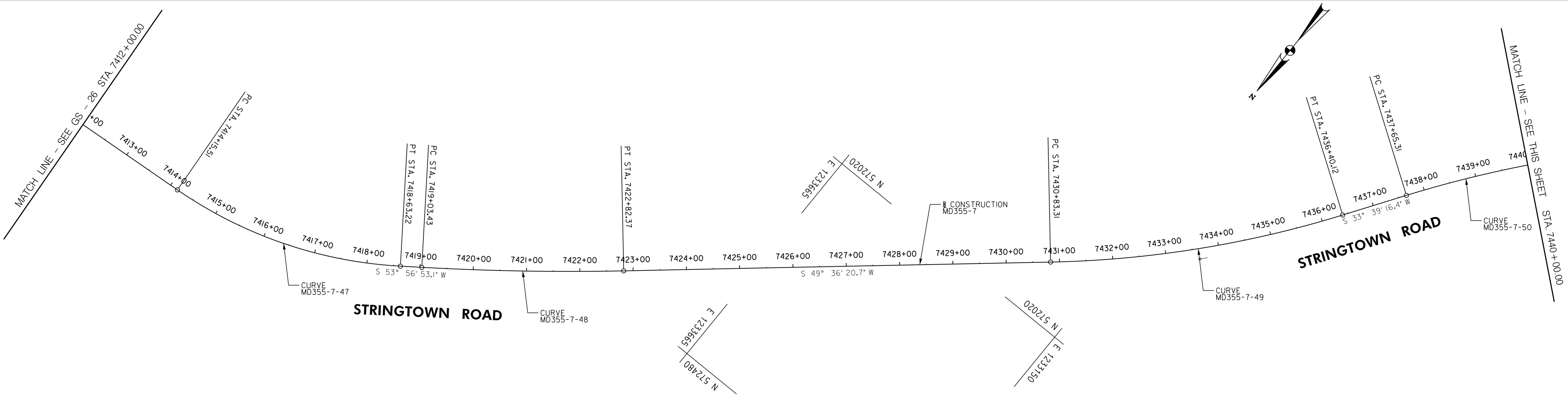
MD 355 BUS RAPID TRANSIT (BRT)

GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022

Project No. : 502005 SHEET 40 of 887

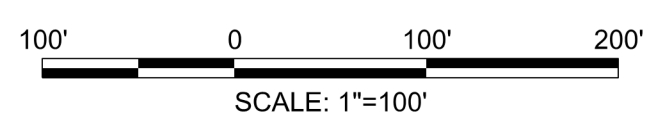
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STRINGTOWN RD.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-47	PC	7414+15.5086	572,846.1488	1,234,599.7771	S 85° 25' 23.5152"
	PI	7416+45.1713	572,827.8228	1,234,370.8467	
	PT	7418+63.2243	572,692.6621	1,234,185.1680	S 53° 56' 53.1014"
MD355-7-48	CC		572,033.7476	1,234,664.8103	
	PC	7419+03.4273	572,669.0019	1,234,152.6645	S 53° 56' 53.1014"
	PI	7420+92.9882	572,557.4419	1,233,999.4076	
MD355-7-49	PT	7422+82.3676	572,434.5982	1,233,855.0374	S 49° 36' 20.6931"
	CC		568,626.5816	1,237,095.2549	
	PC	7430+83.3149	571,915.5495	1,233,245.0332	S 49° 36' 20.6931"
MD355-7-50	PI	7433+63.5279	571,733.9593	1,233,031.6221	
	PT	7436+40.1163	571,500.7118	1,232,876.3325	S 33° 39' 16.4264"
	CC		570,392.3428	1,234,541.1202	
MD355-7-51	PC	7437+65.3087	571,396.5025	1,232,806.9528	S 33° 39' 16.4264"
	PI	7440+97.4194	571,120.0555	1,232,622.9022	
	PT	7444+24.4620	570,910.9557	1,232,364.8812	S 50° 58' 43.4600"
MD355-7-52	CC		572,604.6247	1,230,992.3342	
	POT				

STRINGTOWN RD.					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-7-51	PC	7447+48.8539	570,706.7157	1,232,112.8571	S 50° 58' 43.4600"
	PI	7448+57.0851	570,638.5724	1,232,028.7710	
	PT	7449+64.8183	570,557.4624	1,231,957.1108	S 41° 27' 37.4154"
MD355-7-52	CC		569,696.7296	1,232,931.3485	
	PC	7457+15.3727	569,994.9868	1,231,460.1672	S 41° 27' 37.4154"
	PI	7457+73.3111	569,951.5669	1,231,421.8060	
MD355-7-52	PT	7458+31.2352	569,906.6983	1,231,385.1499	S 39° 14' 51.2967"
	CC		568,008.6803	1,233,708.4079	
	POT	7464+52.8065	569,425.3414	1,230,991.8987	S 39° 14' 51.30\"/>

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CURVE MD355-7-47	31° 28' 30.4138\"/>					



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NO.	REVISION	DATE	BY

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

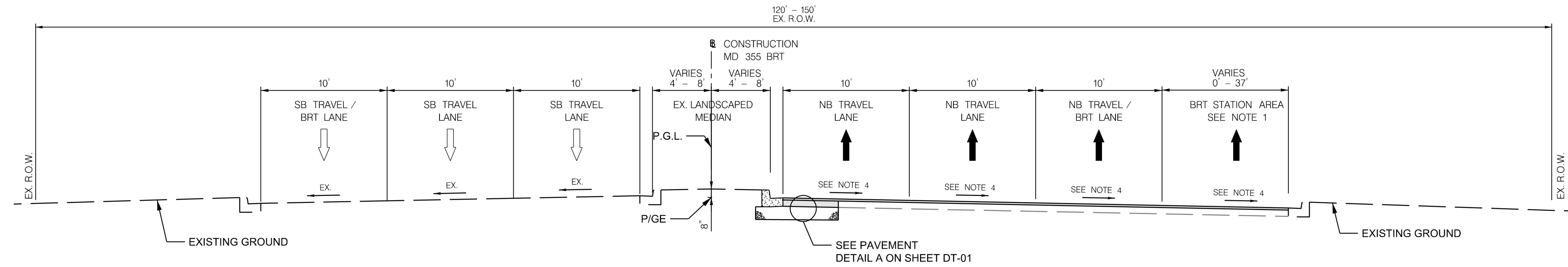
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section _____ Date _____
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering _____ Date _____
 Designed by: _____ Drawn by: _____ Checked by: _____

GS-27

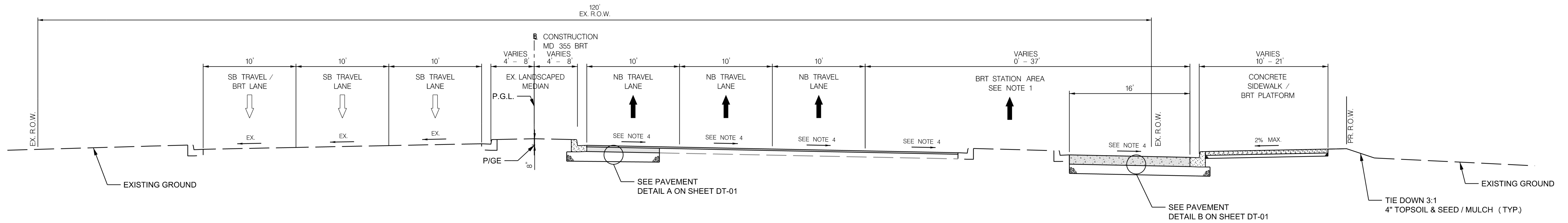
MD 355 BUS RAPID TRANSIT (BRT)
GEOMETRIC LAYOUT

SCALE : 1" = 100' DATE : DECEMBER 2022
 Project No. : 502005 SHEET 41 of 887

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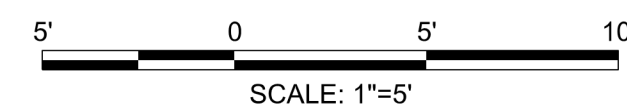
**TYPICAL SECTION
SEGMENT 2
STA. 2005+50 TO STA. 2007+98**



**TYPICAL SECTION
SEGMENT 2
STA. 2007+98 TO STA. 2009+90**

NOTES:

1. SEE PLAN SHEETS FOR LIMITS.
2. SEE ROADWAY PLANS AND RETAINING WALL TYPICAL SECTIONS FOR RETAINING WALL LOCATIONS AND DETAILS.
3. PROPOSED BUFFER AREAS AND GREENSPACES TO HAVE 4" TOPSOIL AND SOD.
4. SEE CROSS SECTION SHEETS FOR SUPERELEVATION.



PROFESSIONAL CERTIFICATION:
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GAITHERSBURG, MARYLAND

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Chief, Design Section

APPROVED

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Chief, Division of Transportation Engineering

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

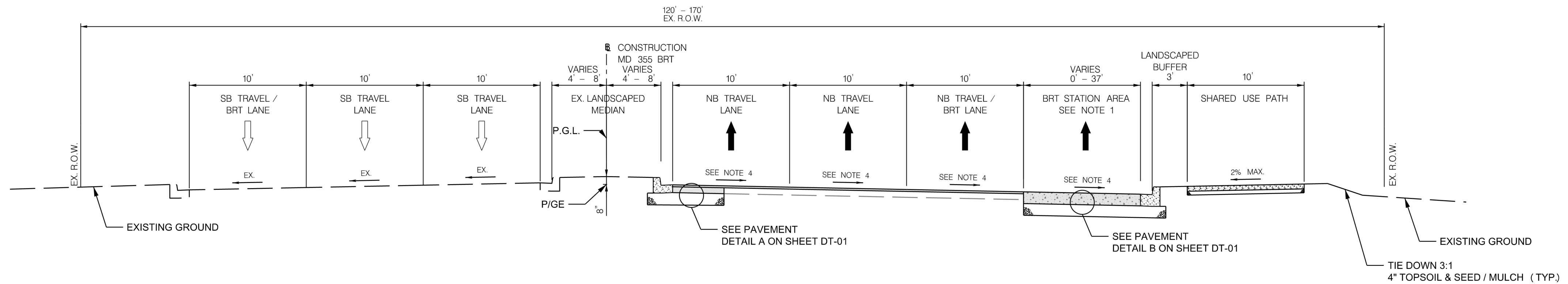
TS-01

MD 355 BUS RAPID TRANSIT (BRT)

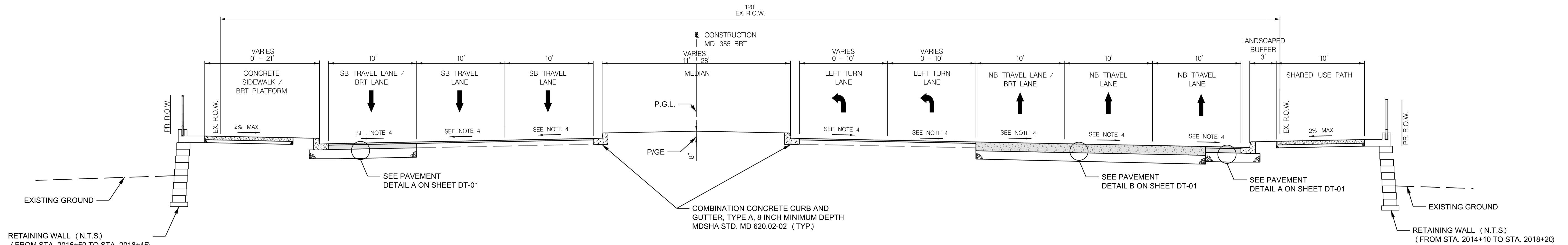
TYPICAL SECTION

SCALE : NOT TO SCALE DATE : DECEMBER 2022

Project No. : 502005 SHEET 42 of 887



**TYPICAL SECTION
SEGMENT 2
STA. 2009+90 TO STA. 2013+39**



**TYPICAL SECTION
SEGMENT 2
STA. 2013+39 TO STA. 2019+00**

NOTES:

1. SEE PLAN SHEETS FOR LIMITS.
2. SEE ROADWAY PLANS AND RETAINING WALL TYPICAL SECTIONS FOR RETAINING WALL LOCATIONS AND DETAILS.
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APPROVED

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

TS-02

MD 355 BUS RAPID TRANSIT (BRT)

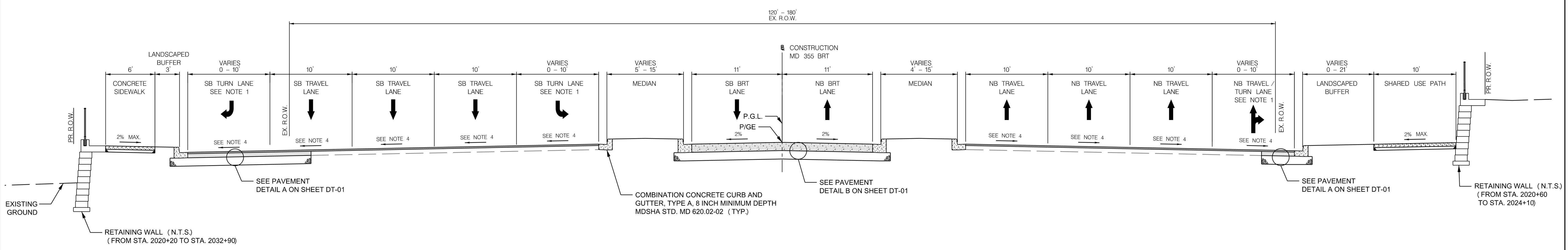
TYPICAL SECTION

SCALE : NOT TO SCALE DATE : DECEMBER 2022

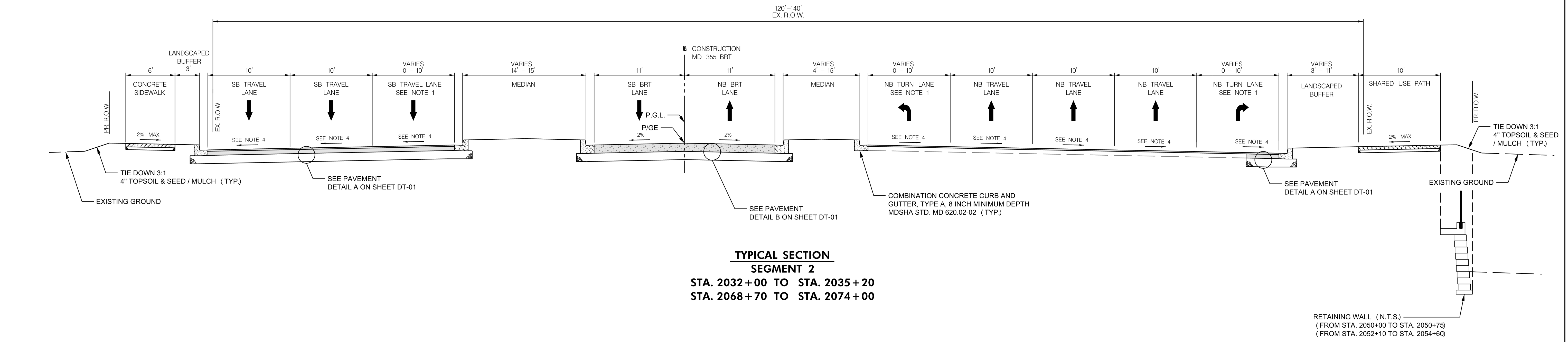
Project No. : 502005 SHEET 43 of 887

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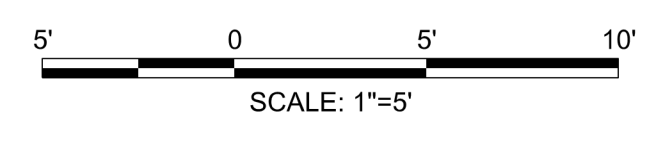


**TYPICAL SECTION
SEGMENT 2
STA. 2019+00 TO STA. 2032+00**



**TYPICAL SECTION
SEGMENT 2
STA. 2032+00 TO STA. 2035+20
STA. 2068+70 TO STA. 2074+00**

- NOTES:**
1. SEE PLAN SHEETS FOR LIMITS.
 2. SEE ROADWAY PLANS AND RETAINING WALL TYPICAL SECTIONS FOR RETAINING WALL LOCATIONS AND DETAILS.
 3. PROPOSED BUFFER AREAS AND GREENSPACES TO HAVE 4" TOPSOIL AND SOD.
 4. SEE CROSS SECTION SHEETS FOR SUPERELEVATION.



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APPROVED

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Chief, Division of Transportation Engineering

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MD 355 BUS RAPID TRANSIT (BRT)

TYPICAL SECTION

SCALE : NOT TO SCALE DATE : DECEMBER 2022

Project No. : 502005 SHEET 44 of 887

TS-03