FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OPENROADS).
GEOPAK Computer Identification No. UPC 107013

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
CITY,TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
WATER LINE
SANITARY SEWER LINE
GAS LINE
ELECTRIC UNDERGROUND CABLE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE
LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGE
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION

FAIRFAX CITY

CITY OF FAIRFAX
DEPARTMENT OF PUBLIC WORKS

FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
3	VA.		6628	U000-151-R94 See Tabulation Below For Section Numbers	1

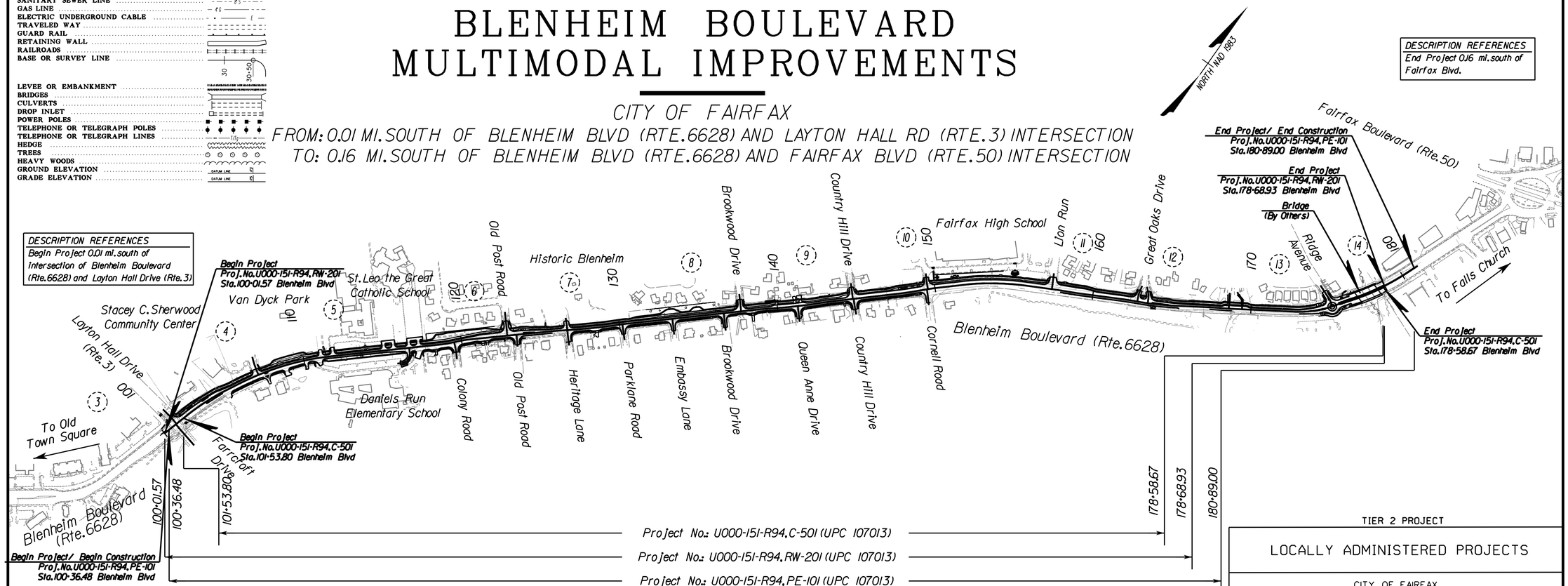
FHWA 534 DATA 44003

NOTE: SEE SHEET 1A FOR FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

PLAN AND PROFILE OF PROPOSED
BLENHEIM BOULEVARD MULTIMODAL IMPROVEMENTS

CITY OF FAIRFAX

FROM: 0.01 MI. SOUTH OF BLENHEIM BLVD (RTE.6628) AND LAYTON HALL RD (RTE.3) INTERSECTION
TO: 0.16 MI. SOUTH OF BLENHEIM BLVD (RTE.6628) AND FAIRFAX BLVD (RTE.50) INTERSECTION



PROJECT MANAGER: City of Fairfax; Wendy Sanford (703) 385-7889
SURVEYED BY, DATE: Rinker Design Associates; Nick Kougalis, LS (703) 368-7373, 08/2020
DESIGN BY: Rinker Design Associates; Mark Gunn, PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Accumark (703) 635-3060; 2015

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES. DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH VDOT'S 2020 ROAD AND BRIDGE SPECIFICATIONS(REVISED JULY 2022), 2016 ROAD AND BRIDGE STANDARDS(REVISED SEPTEMBER 2020), 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL REVISION 2, 2019 AND AS AMENDED BY CONTRACT PROVISIONS, THE MOST RECENT REVISION OF THE CITY OF FAIRFAX PUBLIC FACILITIES MANUAL, AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U, TC-5.11R, AND TC-5.11ULS EXCEPT WHERE OTHERWISE NOTED.

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FINAL PLANS
MAY 2025

Project Lengths are based on the Blenheim Boulevard Constr.#

SCALE 0' 325' 650'

City of Fairfax Population 24,146 (Est. 2020 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
					FEET	FEET	MILES	FEET	MILES			
U000-151-R94	PE-101	----	PENG	107013	N/A	8052.52	1.525	7919.77	1.500	N/A	PRELIM. ENGR.	FROM: 0.01 MI. S. OF LAYTON HALL RD. TO 0.16 MI. S. OF FAIRFAX BLVD.
	RW-201	----	ROWA	107013	N/A	7867.36	1.490	7734.61	1.465	N/A	RIGHT OF WAY	FROM: 0.01 MI. N. OF LAYTON HALL RD. TO 0.17 MI. S. OF FAIRFAX BLVD.
	C-501	----	1000	107013	N/A	7704.87	1.459	7572.12	1.434	N/A	CONSTRUCTION	FROM: 0.01 MI. N. OF LAYTON HALL RD. TO 0.21 MI. S. OF FAIRFAX BLVD.

REVISED

TIER 2 PROJECT

LOCALLY ADMINISTERED PROJECTS

CITY OF FAIRFAX	
NAME OF LOCALITY	
DAVID SUMMERS	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
2/28/2024	DIRECTOR OF PUBLIC WORKS
DATE	TITLE OF POSITION
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	TITLE OF POSITION

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5/23/2025

FINAL PLANS — THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Project Location Map

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1A

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Note: See Plan and Profile Sheets for horizontal and vertical curve design speed data

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA URBAN MINOR ARTERIAL (STD GS-6) 30 MPH MINIMUM DESIGN SPEED	
Blenheim Boulevard	From: Layton Hall Drive To: Heritage Lane
ADT (2023)	13,000
ADT (2045)	19,900
DHV	971
D (%) (design hour)	61.7
T (%) (design hour)	1
V (MPH)	30
Terrain	Rolling

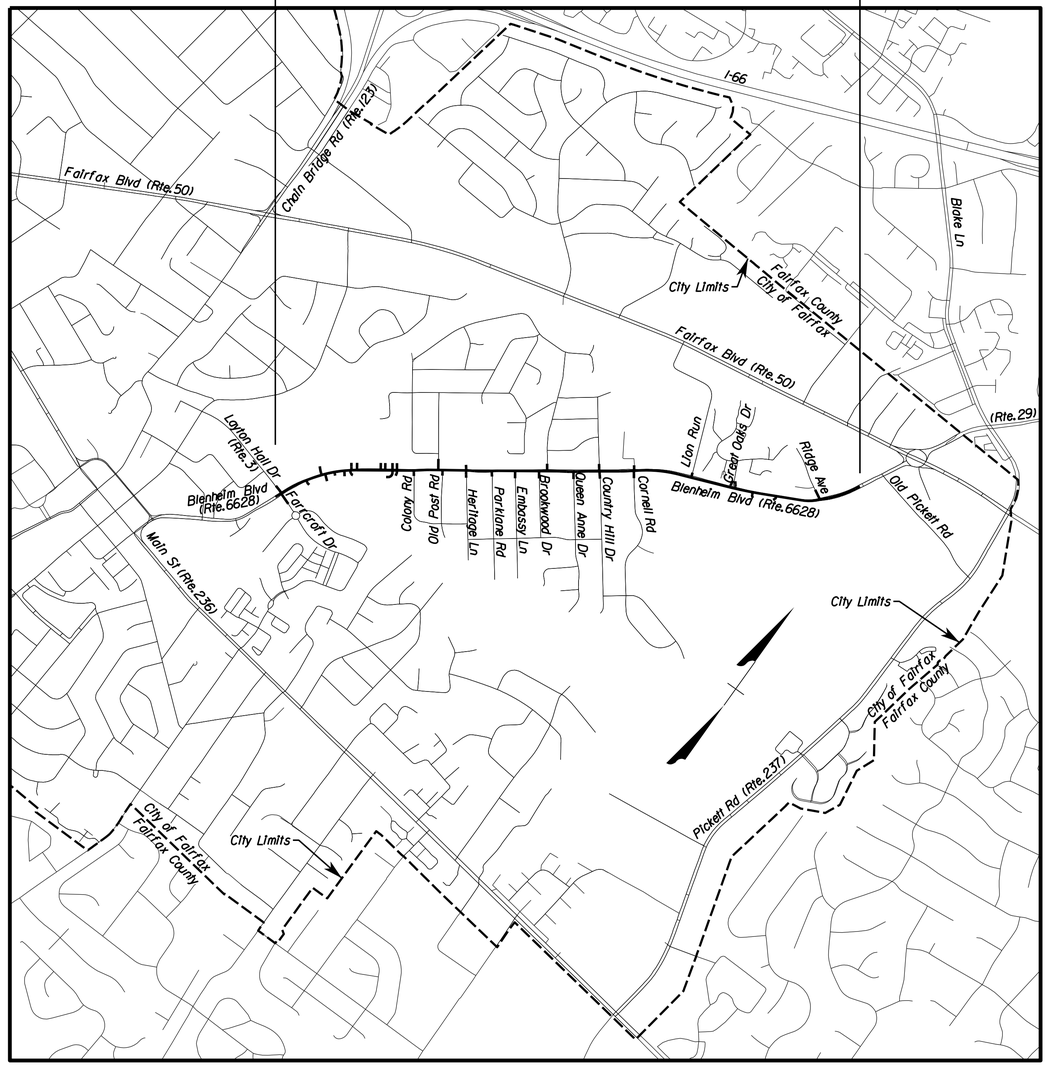
FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA URBAN MINOR ARTERIAL (STD GS-6) 30 MPH MINIMUM DESIGN SPEED	
Blenheim Boulevard	From: Heritage Lane To: Brookwood Drive
ADT (2023)	12,000
ADT (2045)	16,000
DHV	871
D (%) (design hour)	50.2
T (%) (design hour)	1
V (MPH)	30
Terrain	Rolling

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA URBAN MINOR ARTERIAL (STD GS-6) 30 MPH MINIMUM DESIGN SPEED	
Blenheim Boulevard	From: Brookwood Drive To: Cornell Road
ADT (2023)	13,000
ADT (2045)	15,100
DHV	928
D (%) (design hour)	50.9
T (%) (design hour)	1
V (MPH)	30
Terrain	Rolling

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA URBAN MINOR ARTERIAL (STD GS-6) 30 MPH MINIMUM DESIGN SPEED	
Blenheim Boulevard	From: Cornell Road To: Lion Run
ADT (2023)	13,000
ADT (2045)	19,300
DHV	940
D (%) (design hour)	51.8
T (%) (design hour)	1
V (MPH)	30
Terrain	Rolling

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA URBAN MINOR ARTERIAL (STD GS-6) 30 MPH MINIMUM DESIGN SPEED	
Blenheim Boulevard	From: Lion Run To: Fairfax Boulevard
ADT (2023)	12,000
ADT (2045)	14,200
DHV	882
D (%) (design hour)	54.1
T (%) (design hour)	1
V (MPH)	30
Terrain	Rolling

Proposed Project: U000-151-R94
(See Title Sheet for Section Info.)



SCALE	PROJECT	SHEET NO.
0 1000' 2000'	U000-151-R94	1A

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1B

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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VDOT Project U000-151-R94		
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**	1D	Not Used
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	PROJECT	SHEET NO.
	U000-151-R94	1B

5/23/2025

FINAL PLANS

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PROJECT MANAGER *Wendy Block Sanford, (703) 385-7889*
SURVEYED BY, DATE *Nick Kougalis, L.S., (703) 368-7373 (2020)*
DESIGN BY *Mark A. Gunn, P.E., (703) 368-7373*
SUBSURFACE UTILITY BY, DATE *Accumark, (800) 542-2990 (2015)*

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1B(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Sheet No.	13A	Profile Sheet (Sta.169+25 to 173+75)
Sheet No.	13B	Side Road and Entrance Profile Sheet (Sta.169+25 to 173+75)
Sheet No.	14	Plan Sheet (Sta.173+75 to 180+97)
Sheet No.	14A	Profile Sheet (Sta.173+75 to 180+97)
Sheet No.	14B	Side Road Profile Sheet (Sta.173+75 to 180+97)
	15 Series	Pavement Marking and Signing Plan
Sheet No.	15	Pavement Marking and Signing Plan; Sign Schedule
Sheet No.	15(1)	Pavement Marking and Signing Plan; Sign Schedule
Sheet No.	15(2)	Pavement Marking and Signing Plan; Pavement Marking Legend
Sheet No.	15(3)	Pavement Marking and Signing Plan (Sta.100+00 to 105+25)
Sheet No.	15(4)	Pavement Marking and Signing Plan (Sta.105+25 to 111+50)
Sheet No.	15(5)	Pavement Marking and Signing Plan (Sta.111+50 to 118+00)
Sheet No.	15(6)	Pavement Marking and Signing Plan (Sta.118+00 to 125+00)
Sheet No.	15(7)	Pavement Marking and Signing Plan (Sta.125+00 to 132+50)
Sheet No.	15(8)	Pavement Marking and Signing Plan (Sta.132+50 to 140+00)
Sheet No.	15(9)	Pavement Marking and Signing Plan (Sta.140+00 to 147+25)
Sheet No.	15(10)	Pavement Marking and Signing Plan (Sta.147+25 to 154+00)
Sheet No.	15(11)	Pavement Marking and Signing Plan (Sta.154+00 to 161+00)
Sheet No.	15(12)	Pavement Marking and Signing Plan (Sta.154+00 to 161+00)
Sheet No.	15(13)	Pavement Marking and Signing Plan (Sta.167+00 to 173+00)
Sheet No.	15(14)	Pavement Marking and Signing Plan (Sta.173+00 to 180+00)
Sheet No.	15(15)	Pavement Marking and Signing Plan
Sheet No.	15(16)	Pavement Marking and Signing Plan; Details
Sheet No.	16	Traffic Signal Index of Sheets, General Notes, & Legends
Sheet No.	16(1)	Pedestrian Actuation Installation Details
**	16(2)	Not Used
Sheet No.	16(3)	Traffic Signal Modification Plan - Blenheim Blvd & Layton Hall Dr
	17 Series	Retaining Wall Plan
**	17	Not Used
Sheet No.	17A	Gravity Wall Details (Sheet 1 of 2)
Sheet No.	17B	Gravity Wall Details (Sheet 2 of 2)
Sheet No.	17(1)	Timber Wall General Notes and Details
Sheet No.	17(2)	Retaining Wall T3 - Plan and Profile
Sheet No.	17(3)	Retaining Wall B - Plan and Profile
Sheet No.	17(4)	Retaining Wall C - Plan and Profile
**	17(5)	Not Used
Sheet No.	17(6)	Retaining Wall D - Plan and Profile
Sheet No.	17(7)	Retaining Wall E - Plan and Profile
	18 Series	Roadway Lighting Plan
Sheet No.	18	Roadway Lighting Index of Sheets and Project Location Map
Sheet No.	18(1)	Roadway Lighting Plan General Notes
Sheet No.	18(1A)	Roadway Lighting Design Criteria & Statistical Calculations
Sheet No.	18(1B)	Roadway Lighting Luminaire Specifications
Sheet No.	18(1C)	Roadway Lighting Pole Specifications
Sheet No.	18(1D)	Combination Lighting Pole Specifications
Sheet No.	18(1E)	Decorative Lighting Pole Specifications
Sheet No.	18(1F)	Roadway Lighting Panelboard Details
Sheet No.	18(1G)	Roadway Lighting Panelboard Details
Sheet No.	18(1H)	Roadway Lighting Typicals
**	18(1I)	Not Used
Sheet No.	18(1J)	Foundation Details for Pedestrian/Street Light Poles
Sheet No.	18(2)	Roadway Lighting Inventory
Sheet No.	18(2(1))	Roadway Lighting Inventory
Sheet No.	18(2(2))	Roadway Lighting Inventory
Sheet No.	18(2(3))	Roadway Lighting Inventory
Sheet No.	18(2(4))	Roadway Lighting Inventory
Sheet No.	18(2(5))	Roadway Junction Box Inventory
Sheet No.	18(3)	Roadway Lighting Plan
Sheet No.	18(4)	Roadway Lighting Plan
Sheet No.	18(5)	Roadway Lighting Plan
Sheet No.	18(6)	Roadway Lighting Plan
Sheet No.	18(7)	Roadway Lighting Plan
Sheet No.	18(8)	Roadway Lighting Plan
Sheet No.	18(9)	Roadway Lighting Plan
Sheet No.	18(10)	Roadway Lighting Plan
Sheet No.	18(11)	Roadway Lighting Plan
Sheet No.	18(12)	Roadway Lighting Plan
Sheet No.	18(13)	Roadway Lighting Plan
Sheet No.	18(14)	Roadway Lighting Plan
	19 Series	Landscape Plan
Sheet No.	19	Landscape Plan
Sheet No.	19(1)	Landscape Plan
Sheet No.	19(2)	Landscape Plan
Sheet No.	19(3)	Landscape Plan
Sheet No.	19(4)	Landscape Plan
Sheet No.	19(5)	Landscape Plan
Sheet No.	19(6)	Landscape Plan
Sheet No.	19(7)	Landscape Plan
Sheet No.	19(8)	Landscape Plan
Sheet No.	19(9)	Landscape Plan
Sheet No.	19(10)	Landscape Plan
Sheet No.	19(11)	Landscape Plan
Sheet No.	19(12)	Landscape Detail Sheet
Sheet No.	19(13)	Landscape Detail Sheet
Sheet No.	19(14)	Landscape Detail Sheet
	20 Series	Existing Tree Plan
Sheet No.	20	Existing Tree Plan (Sta.100 to 105+25)
Sheet No.	20(1)	Existing Tree Plan (Sta.105+25 to 111+50)
Sheet No.	20(2)	Existing Tree Plan (Sta.111+50 to 118+00)
Sheet No.	20(3)	Existing Tree Plan (Sta.118+00 to 125+00)
Sheet No.	20(4)	Existing Tree Plan (Sta.125+00 to 132+50)
Sheet No.	20(5)	Existing Tree Plan (Sta.132+50 to 140+00)
Sheet No.	20(6)	Existing Tree Plan (Sta.140+00 to 147+25)
Sheet No.	20(7)	Existing Tree Plan (Sta.147+25 to 154+00)
Sheet No.	20(8)	Existing Tree Plan (Sta.154+00 to 161+00)
Sheet No.	20(9)	Existing Tree Plan (Sta.161+00 to 167+00)
Sheet No.	20(10)	Existing Tree Plan (Sta.167+00 to 173+00)
Sheet No.	20(11)	Existing Tree Plan (Sta.173+00 to 180+00)
Sheet No.	20(12)	Existing Tree Condition Chart
Sheet No.	20(13)	Existing Tree Condition Chart
Sheet No.	20(14)	Existing Tree Condition Chart
Sheet No.	20(15)	Existing Tree Condition Chart
Sheet No.	20(16)	Existing Tree Condition Chart
Sheet No.	20(17)	Existing Tree Condition Chart
Sheet No.	20(18)	Existing Tree Condition Chart
Sheet No.	20(19)	Existing Tree Condition Chart
Sheet No.	20(20)	Existing Tree Condition Chart
Sheet No.	20(21)	Existing Tree Condition Chart
Sheet No.	20(22)	Existing Tree Condition Chart
Sheet No.	20(23)	Existing Tree Condition Chart
Sheet No.	20(24)	Existing Tree Condition Chart
Sheet No.	20(25)	Existing Tree Condition Chart
Sheet No.	20(26)	Existing Tree Condition Chart
Sheet No.	20(27)	Existing Tree Condition Chart
Sheet No.	20(28)	Existing Tree Condition Chart
Sheet No.	20(29)	Existing Tree Condition Chart
	21 Series	Fairfax Water Plan
**	21	Not Used
Sheet No.	21(1)	Fairfax Water Main Construction Notes
Sheet No.	21(2)	Fairfax Water Plans Summary of Quantities
Sheet No.	21(3)	Fairfax Water Plans (Sta.100+00 to 104+75)
Sheet No.	21(4)	Fairfax Water Plans (Sta.104+75 to 111+50)
Sheet No.	21(5)	Fairfax Water Plans (Sta.111+50 to 119+00)
Sheet No.	21(6)	Fairfax Water Plans (Sta.119+00 to 126+00)
Sheet No.	21(7)	Fairfax Water Plans (Sta.126+00 to 133+75)
Sheet No.	21(8)	Fairfax Water Plans (Sta.133+75 to 140+75)
Sheet No.	21(9)	Fairfax Water Plans (Sta.140+75 to 148+25)
Sheet No.	21(10)	Fairfax Water Plans (Sta.148+25 to 155+00)
Sheet No.	21(11)	Fairfax Water Plans (Sta.155+00 to 162+00)
Sheet No.	21(12)	Fairfax Water Plans (Sta.162+00 to 169+25)
Sheet No.	21(13)	Fairfax Water Plans (Sta.169+25 to 173+75)
Sheet No.	21(14)	Fairfax Water Plans (Sta.173+75 to 180+00)
Sheet No.	21(15)	Fairfax Water Main Profiles
Sheet No.	21(16)	Fairfax Water Main Profile
Sheet No.	21(17)	Fairfax Water Main Profile
Sheet No.	21(18)	Fairfax Water Main Profile
Sheet No.	21(19)	Fairfax Water Main Profile
Sheet No.	21(20)	Fairfax Water Main Profile
Sheet No.	21(21)	Fairfax Water Main Profile
Sheet No.	21(22)	Fairfax Water Main Profile
Sheet No.	21(23)	Fairfax Water Main Profile
Sheet No.	21(24)	Fairfax Water Main Profile
Sheet No.	21(25)	Fairfax Water Main Profile
Sheet No.	21(26)	Fairfax Water Main Profile
Sheet No.	21(27)	Fairfax Water Main Profile
Sheet No.	21(28)	Fairfax Water Main Profile
	22 Series	Sanitary Sewer Plan
**	22	Not Used
**	22(1)	Not Used
Sheet No.	22(2)	Sanitary Sewer Notes & Details
Sheet No.	22(3)	Sanitary Sewer Plans (Sta.100+00 to 104+75)
Sheet No.	22(4)	Sanitary Sewer Plans (Sta.104+75 to 111+50)
Sheet No.	22(8)	Sanitary Sewer Plans (Sta.133+75 to 140+75)
Sheet No.	22(9)	Sanitary Sewer Plans (Sta.140+75 to 148+25)
Sheet No.	22(12)	Sanitary Sewer Plans (Sta.162+00 to 169+25)
Sheet No.	22(13)	Sanitary Sewer Plans (Sta.169+25 to 173+75)
Sheet No.	22(14)	Sanitary Sewer Plans (Sta.173+75 to 180+00)
Sheet No.	22(15)	Sanitary Sewer Profiles
	23 Series	Utility Pole Relocation Plans
**	23	Not Used
**	23(1)	Not Used
**	23(2)	Not Used
Sheet No.	23(3)	Utility Relocation
Sheet No.	23(4)	Utility Relocation
Sheet No.	23(5)	Utility Relocation
Sheet No.	23(6)	Utility Relocation
Sheet No.	23(7)	Utility Relocation
Sheet No.	23(8)	Utility Relocation
Sheet No.	23(9)	Utility Relocation
Sheet No.	23(10)	Utility Relocation
Sheet No.	23(11)	Utility Relocation
Sheet No.	23(12)	Utility Relocation
Sheet No.	23(13)	Utility Relocation
Sheet No.	23(14)	Utility Relocation
**	24	Not Used
Sheet No.	24(1)	Dry Utility Plan & Profile
Sheet No.	24(2)	Dry Utility Plan & Profile
	25 Series	Tree Preservation Plan
**	25	Not Used
Sheet No.	25(1)	Tree Preservation Plan (Sta.100+00 to 105+25)
Sheet No.	25(2)	Tree Preservation Plan (Sta.105+25 to 111+50)
Sheet No.	25(3)	Tree Preservation Plan (Sta.111+50 to 118+00)
Sheet No.	25(4)	Tree Preservation Plan (Sta.118+00 to 125+00)
Sheet No.	25(5)	Tree Preservation Plan (Sta.125+00 to 132+50)
Sheet No.	25(6)	Tree Preservation Plan (Sta.132+50 to 140+00)
Sheet No.	25(7)	Tree Preservation Plan (Sta.140+00 to 147+25)
Sheet No.	25(8)	Tree Preservation Plan (Sta.147+25 to 154+00)
Sheet No.	25(9)	Tree Preservation Plan (Sta.154+00 to 161+00)
Sheet No.	25(10)	Tree Preservation Plan (Sta.161+00 to 167+00)
Sheet No.	25(11)	Tree Preservation Plan (Sta.167+00 to 173+00)
Sheet No.	25(12)	Tree Preservation Plan (Sta.173+00 to 180+00)
Sheet No.	25(13)	Tree Preservation Notes
Sheet No.	25(14)	Tree Preservation Details
Sheet No.	25(15)	Tree Preservation Schedule
Sheet No.	25(16)	Tree Preservation Schedule
Sheet No.	25(17)	Tree Preservation Schedule
Sheet No.	25(18)	Tree Preservation Schedule
Sheet No.	25(19)	Tree Preservation Schedule
Sheet No.	25(20)	Tree Preservation Schedule
Sheet No.	25(21)	Tree Preservation Schedule
Sheet No.	25(22)	Tree Preservation Schedule
Sheet No.	25(23)	Tree Preservation Schedule
Sheet No.	25(24)	Tree Preservation Schedule
Sheet No.	25(25)	Tree Preservation Schedule
Sheet No.	25(26)	Tree Preservation Schedule
Sheet No.	25(27)	Tree Preservation Schedule
Sheet No.	25(28)	Tree Preservation Schedule
**********		
CROSS SECTIONS		
Sheet No.	X1 thru X44	Blenheim Boulevard Cross Sections
**********		
INDEX PLAN SET NOTES:		
427 Total plan and profile sheets in this set		
44 Total cross section sheets		
** Denotes plans not included in this submission		

PROJECT	SHEET NO.
U000-151-R94	1B(1)

5/23/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Right of Way Data

NOTE: All data shown here is for information and estimating purposes only. VDOT Proj. U000-151-R94, RW-201 is a locally administered project by the City of Fairfax and Final Acquisition Plats are required and shall be provided by a professional land surveyor.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1E

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

City/County: City of Fairfax, Virginia
UPC No.: 107013

PROJECT ASSIGNED PARCEL NO.	LANDOWNER	PLAN SHEET NO.	AREAS																PROFFERS YES / NO	REMARKS
			TOTAL AREA	FEE TAKING	PRESCRIPTIVE ROW	FEE REMAINDER	EASEMENTS													
							TEMP.	DRAIN.	WALL	LIGHTING	SIGNAL	STREET	UTILITY EASEMENTS			-	-	-		
													VERIZON	DOMINION	COX					
			SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.		
001	BOARD OF SUPERVISORS OF FAIRFAX COUNTY, VIRGINIA	3	106,688	2,050		104,638	8,962	-	-	-	-	-	-	-	-					
002	FARRCROFT HOMEOWNERS ASSOCIATION, INC.	3,4	383,583	0		383,583	0	-	-	-	-	-	110	110	110					
003	CITY OF FAIRFAX, VIRGINIA	3,4	609,564	3,492		606,072	4,075	-	-	-	-	-	72	72	72					
004	TRUSTEES OF THE NORTHERN VIRGINIA MENNONITE CHURCH	3,4	147,211	0		147,211	5,280	-	-	-	-	-	-	-	-					
005	CITY OF FAIRFAX, VIRGINIA	4	575,449	6,638		568,811	2,407	-	-	-	-	-	-	-	-					
006	CHRISTIAN SCIENCE CHURCH OF FAIRFAX	4	47,244	402		46,842	6,529	-	-	-	-	-	-	-	-					
007	SCHOOL BOARD OF THE CITY OF FAIRFAX, VIRGINIA	4,5	594,965	5,028		589,937	17,213	-	-	148	-	-	-	130	130					
008	THE MOST REVEREND MICHAEL F BURBIDGE, BISHOP OF THE CATHOLIC DIOCESE OF ARLINGTON	4,5	542,033	0		542,033	10,774	579	-	-	-	3,883	-	351	351					
009	BARBARA ELLEN CAREY, TRUSTEE OF THE BARBARA ELLEN CAREY REVOCABLE LIVING TRUST, CREATED U/A/D AUGUST 18, 2010	5	9,921	415		9,506	941	-	-	-	-	-	-	-	-					
010	JOHN M APPLETON & PATRICIA A APPLETON	5,6	17,097	0		17,097	0	-	-	-	-	-	-	-	-					
011	RETT C.TRAN, VAN U.NGUYEN, ANNA NHA KHANH LE, AND CONNIE DIEM-KHANH LE	5,6	10,015	161		9,854	799	-	-	-	-	-	-	-	-					
012	SANDRA SLAPPEY & THOMAS BROWN	5,6	12,439	0		12,439	0	-	-	-	-	-	-	-	-					
013	CASEY D.DUFFY	6	18,802	0		18,802	494	-	-	-	-	-	-	-	-					
014	APRIL MARIE ERKENBRACK	6	10,560	0		10,560	0	-	-	-	-	-	-	-	-					
015	HENRY A GARCIA & AUGUSTO GARCIA	6	10,560	0		10,560	0	-	-	-	-	-	-	-	-					
016	DAVID ARONSON & MARTA ESTHER NASJLETI	6	10,000	0		10,000	382	-	-	-	-	-	-	-	-					
017	ELVA L.CARD	6	13,585	0		13,585	0	-	-	-	-	-	-	-	-					
018	JOHNATHAN LEBOON & MEGAN LEBOON	6	11,764	0		11,764	0	-	-	-	-	-	-	-	-					
019	KENNETH HOETH & ALICE HOETH	6	15,613	0		15,613	0	-	-	-	-	-	-	-	-					
020	ALONSO R CASTANO & CAROLINA HURTADO	6	9,154	0		9,154	0	-	-	-	-	-	-	-	-					
021	CITY OF FAIRFAX, VIRGINIA	6,7	523,234	2,746		520,488	6,039	294	-	91	-	-	-	-	-					
022	DANYLO K GASPAR & CHRISTINE T GASPAR	6,7	11,734	0		11,734	0	-	-	-	-	-	-	-	-					
023	YOUNG CHUL & DIANA D LEE & GINA LEE & MICHAEL ANNA FEE	6,7	11,894	0		11,894	0	-	-	-	-	-	-	-	-					
024	LEONARD R KOSTA & MARY L KOSTA	7	11,881	0		11,881	0	-	-	-	-	-	-	-	-					
025	STEVEN N.JOHNSON & JENNIFER M.JOHNSON	7	12,939	0		12,939	1,107	-	-	-	-	-	-	-	-					
026	HAN JOHN LIN & XIAO HUI XU LIN	7	15,501	0		15,501	304	-	-	-	-	-	-	-	-					
027	JOYCE YUN PARK	7	14,828	0		14,828	0	-	-	-	-	-	-	-	-					
028	JAMES FRANKLIN (TRS) LOCKWOOD & JEAN MARIE (TRS) LOCKWOOD & JAMES FRANKLIN & JEAN MARIE LOCKWOOD LIVING TRUST	7	18,127	0		18,127	0	-	-	-	-	-	-	-	-					
029	NICHOLAS PETER DEDHAM & TANIA DE LA FUENTE DEDHAM	7	11,423	0		11,423	0	-	-	-	-	-	-	-	-					
030	JAMIL AHMED & TAHMINA AHMED	7	14,372	0		14,372	0	-	-	-	-	-	-	-	-					
031	DAVID S MICHEK & JAN M MICHEK	7	10,560	0		10,560	0	-	-	-	-	-	-	-	-					
032	CLAUDE G JALKH & MAYA KWAN JALKH	7,8	13,695	0		13,695	0	-	-	-	-	-	-	-	-					
033	KESHAV NEUPANE & RAMITA UPRETY	7,8	10,522	0		10,522	0	-	-	-	-	-	-	-	-					
034	JOHN G MCNICHOL & SARAH E MCNICHOL	8	12,589	0		12,589	0	-	-	-	-	-	-	-	-					
035	AIDAN WEST-CREWS & CASSANDRA MICHELLE WEST-CREWS	8	15,087	0		15,087	0	-	-	-	-	-	-	-	-					
036	HECTOR PONCIANO & KAREN LEE PONCIANO	8	13,053	0		13,053	0	-	-	-	-	-	-	-	-					
037	DAVID READE & TAMMY READE	8	13,768	0		13,768	0	-	-	-	-	-	-	-	-					
038	WARREN R.CARMICHAEL & REBECCA HUX CARMICHAEL, TRUSTEES OF THE WARREN AND REBECCA CARMICHAEL JOINT TRUST, DATED SEPTEMBER 11, 2012	8	26,498	125		26,373	2,092	-	-	-	-	-	-	-	-					
039	ROGER MEZA	8	13,359	0		13,359	0	-	-	-	-	-	-	-	-					
040	ROBERT E.THOENSEN & DEBORAH A.THOENSEN	8	67,624	335		67,289	1,730	-	-	-	-	-	-	-	-					
041	DAVID M.BISHOP	8	8,999	0		8,999	1,440	-	-	-	-	-	-	-	-					
042	BEATRICE W.SITO	8,9	16,819	16		16,803	1,491	-	-	-	-	-	-	-	-					
043	JEFFREY C.DOVE & KIKI M.PRYBYLA	8,9	9,356	0		9,356	707	-	-	-	-	-	-	-	-					
044	OMAR E.CEREZO & LILIANA B.ORELLANA	9	13,792	0		13,792	311	-	-	-	-	-	-	-	-					
045	THOMAS ANTHONY BORK & YAN BAI	9	16,409	21		16,388	154	-	-	-	-	-	-	-	-					
046	MORRIS R JR FITZGERALD & ANN MARIE FITZGERALD	9	13,332	0		13,332	0	-	-	-	-	-	-	-	-					
047	ZHIJUN ZHANG & JIANLING LI	9	15,142	0		15,142	115	-	-	-	-	-	-	-	-					
048	AMY L.RENNER & JOEL R.RENNER	9	14,207	55		14,152	878	-	-	-	-	-	-	-	-					
049	OZAN CAN BUYUKMEREY	9	13,523	0		13,523	0	-	-	-	-	-	-	-	-					
050	SCHOOL BOARD OF THE CITY OF FAIRFAX, VIRGINIA	9,10,11	2,065,798	19,965		2,045,833	511,43	334	-	-	-	-	-	23,170	23,170					
051	JACOB THOMAS BALDWIN & SIYAO CHANG	9	22,136	0		22,136	0	-	-	-	-	-	-	-	-					
052	CHAD ROBERT BARRY & LINDSAY CASTEEL BARRY	9,10	24,305	0		24,305	0	-	-	-	-	-	-	-	-					
053	TIMOTHY W & CYNTHIA O HOPE REV LVG TRUST	10	44,248	0		44,248	0	-	-	-	-	-	-	-	-					
054	ARMY NAVY COUNTRY CLUB	10,11,12,13,14	10,063,807	1,554		10,062,253	2,114	1,778	-	-	-	-	207	207	207					
055	CHARLES E.CONLEY II & LINE STORGAARD-CONLEY	11	5,736	0		5,736	0	-	-	-	-	-	-	-	-					
056	BAKHTIYOR SAFAROV & NOZIRA N NAZURDINOVA	11	6,174	0		6,174	0	-	-	-	-	-	-	-	-					
057	ERICK FLETCHER & MEGAN FLETCHER	11	5,603	0		5,603	0	-	-	-	-	-	-	-	-					
058	DIANA E DOWELL & DIANA E DOWELL TRUST	11,12	5,291	0		5,291	0	-	-	-	-	-	-	-	-					
059	JORAM SHENHAR & ROMY SHENHAR	12	8,468	0		8,468	0	-	-	-	-	-	-	-	-					
060	AARON D CLAY & CYNTHIA R CRUMB	12	4,095	0		4,095	0	-	-	-	-	-	-	-	-					
061	STEVE S CHANG & JIE S CHANG	12	6,255	0		6,255	0	-	-	-	-	-	-	-	-					
062	KAREN WHEELER-SMITH & DAVID R SMITH	12	6,930	0		6,930	0	-	-	-	-	-	-	-	-					

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

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NOTE: All data shown here is for information and estimating purposes only. VDOT Proj. U000-151-R94, RW-201 is a locally administered project by the City of Fairfax and Final Acquisition Plats are required and shall be provided by a professional land surveyor.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1E(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

City/County: City of Fairfax, Virginia
UPC No.: 107013

PROJECT ASSIGNED PARCEL NO.	LANDOWNER	PLAN SHEET NO.	AREAS																PROFFERS YES / NO	REMARKS
			TOTAL AREA	FEE TAKING	PRESCRIPTIVE ROW	FEE REMAINDER	EASEMENTS									-	-	-		
							TEMP.	DRAIN.	WALL	LIGHTING	SIGNAL	STREET	UTILITY EASEMENTS VERIZON	UTILITY EASEMENTS DOMINION	UTILITY EASEMENTS COX					
			SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.		
063	MICHAEL T SHADE & CYNTHIA A DECARLO	12	6,930	0	-	6,930	0													
064	FREDA S NUNN & DARRYL O NUNN	12	4,918	0	-	4,918	0	-	-	-	-	-	-	-	-					
065	PUSHPAM KUMAR & MANASI KUMAR	12	7,476	0	-	7,476	0	-	-	-	-	-	-	-	-					
066	CHERISSE MARSHALL & FABIAN MUNGAL	12	31,679	1,474	-	30,205	3,431	-	1,568	-	-	-	139	139	139					
067	CAROLYN CRAIG AS TRUSTEE OF THE CAROLYN CRAIG REVOCABLE TRUST DATED SEPTEMBER 9, 2024	12,13	31,679	1,135	-	30,544	3,008	-	-	-	-	-	1,556	2,011	2,011					
068	XIAOLU CUI	13	6,956	0	-	6,956	0	-	-	-	-	-	-	297	297					
069	SUSAN S (TRS) CONRAD & CHRISTINA T (TRS) RUPPERT & SUSAN S CONRAD TRUST	13	5,885	0	-	5,885	0	-	-	-	-	-	-	-	-					
070	TRENT HONE & LAUREN S H TAYLOR	13	5,962	0	-	5,962	0	-	-	-	-	-	-	-	-					
071	PANKAJ K MITTAL & ALKA GUPTA	13	6,090	0	-	6,090	0	-	-	-	-	-	-	-	-					
072	AMANDA K ALLEXON & KEVIN M ALLEXON	13,14	6,107	0	-	6,107	0	-	-	-	-	-	-	-	-					
073	KAREN M.CULLEN & JOHN A SELF	14	8,556	167	-	8,389	477	-	-	-	-	-	-	-	-					
074	ANGELA SCANLAN,TRUSTEE,OR SUCCESSOR TRUSTEE OF THE "ANGELA SCANLAN TRUST",DATED MAY 6,2019	14	4,577	30	-	4,547	1,965	-	-	-	-	-	-	-	-					
075	BEING I MICHAEL FOO & JAMIE C FOO	14	2,756	0	-	2,756	0	-	-	-	-	-	-	-	-					
076	THE CITY OF FAIRFAX,VIRGINIA	14	65,185	28	-	65,157	203	412	-	-	-	-	-	-	-					
077	GREAT OAKS HOMEOWNERS ASSOCATION	11,12	648,478	2,799	-	645,679	8,493		-	118	-	222	-	1,477	1,477					
078	PRECISION CIRCLE PROPERTIES LLC	14	397,778	144	-	397,634	131	-	-	-	-	-	-	-	-					
079	CITY OF FAIRFAX	14	201,877	0	-	201,877	0	-	-	-	-	-	-	-	-					
080	DOMINION DEVELOPMENT CORPORATION	14	163,548	16	-	163,532	70	-	-	-	-	-	-	-	-					
081	CITY OF FAIRFAX,VIRGINIA	13	5,704	53	-	5,651	389	-	-	-	-	-		-	-					
082	FAIRFAX OAKS HOMEOWNERS ASSOCIATION	14	59,501	5	-	59,496	224	-	-	-	-	-	-	-	-					
083	VIRGINIA ACQUISITION NOJ LLC	3	90,305	21	-	90,284	0	-	-	-	317	-	-	-	-					
084	THE CITY OF FAIRFAX,VIRGINIA	4	386,421	229	-	386,192	1,390	-	-	-	-	-	-	-	-					

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

DEMOLITION SUMMARY

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1E(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

DEMOLITION SUMMARY

DEMO NO.	SHEET NO.	PARCEL NO.	LANDOWNER	STA.	LENGTH (FT)	RIGHT OR LEFT	BASELINE	DESCRIPTION
D-1	3	N/A	PUBLIC RIGHT OF WAY	102+00	220	LT	BLENHEIM BLVD.	FENCE & RETAINING WALL
D-2	4	003/005	THE CITY OF FAIRFAX,VIRGINIA	108+00	377	LT	BLENHEIM BLVD.	FENCE
D-3	4	006	CHRISTIAN SCIENCE CHURCH OF FAIRFAX	109+25	1 EA	RT	BLENHEIM BLVD.	SIGN
D-21	4	006	CHRISTIAN SCIENCE CHURCH OF FAIRFAX	108+55	1 EA	RT	BLENHEIM BLVD.	LIGHT
D-22	4	006	CHRISTIAN SCIENCE CHURCH OF FAIRFAX	109+00	1 EA	RT	BLENHEIM BLVD.	LIGHT
D-4	6	N/A	PUBLIC RIGHT OF WAY	120+50	268	LT	BLENHEIM BLVD.	FENCE
D-5	6	021	THE CITY OF FAIRFAX,VIRGINIA	124+75.00	29	LT	BLENHEIM BLVD.	FENCE
D-6	6	021	THE CITY OF FAIRFAX,VIRGINIA	125+00	67	LT	BLENHEIM BLVD.	FENCE
D-7	6,7	021	THE CITY OF FAIRFAX,VIRGINIA	126+00	173	LT	BLENHEIM BLVD.	FENCE
D-8	7	N/A	PUBLIC RIGHT OF WAY	129+00	71	RT	BLENHEIM BLVD.	FENCE
D-9	7	021	THE CITY OF FAIRFAX,VIRGINIA	130+00	216	LT	BLENHEIM BLVD.	FENCE
D-10	7,8	N/A	PUBLIC RIGHT OF WAY	132+00	625	LT	BLENHEIM BLVD.	FENCE
D-11	7	N/A	PUBLIC RIGHT OF WAY	132+00	1 EA	LT	BLENHEIM BLVD.	SHED
D-12	7	N/A	PUBLIC RIGHT OF WAY	132+50.00	1 EA	LT	BLENHEIM BLVD.	SHED
D-13	7	N/A	PUBLIC RIGHT OF WAY	133+25.00	1 EA	LT	BLENHEIM BLVD.	SHED
D-14	8	N/A	PUBLIC RIGHT OF WAY	134+25.00	1 EA	LT	BLENHEIM BLVD.	SHED
D-15	8	N/A	PUBLIC RIGHT OF WAY	136+00	1 EA	LT	BLENHEIM BLVD.	SHED
D-16	8	038	WARREN R (TRS) CARMICHAEL & REBECCA HUX (TRX) CARMICHAEL	138+00	176	RT	BLENHEIM BLVD.	FENCE
D-17	9	048	AMY L RENNER & JOEL R RENNER	146+00	76	LT	BLENHEIM BLVD.	FENCE
D-18	12	N/A	PUBLIC RIGHT OF WAY	168+75.00	1 EA	LT	BLENHEIM BLVD.	MAILBOX
D-19	12	067	JAMES GEORGE CRAIG & CAROLYN CRAIG	168+75.00	25	LT	BLENHEIM BLVD.	FENCE
D-20	14	054	ARMY NAVY COUNTRY CLUB/ PUBLIC RIGHT OF WAY	175+00	150	RT	BLENHEIM BLVD.	FENCE

NOT TO SCALE	PROJECT U000-151-R94	SHEET NO. 1E(2)

4/22/2025

FINAL PLANS

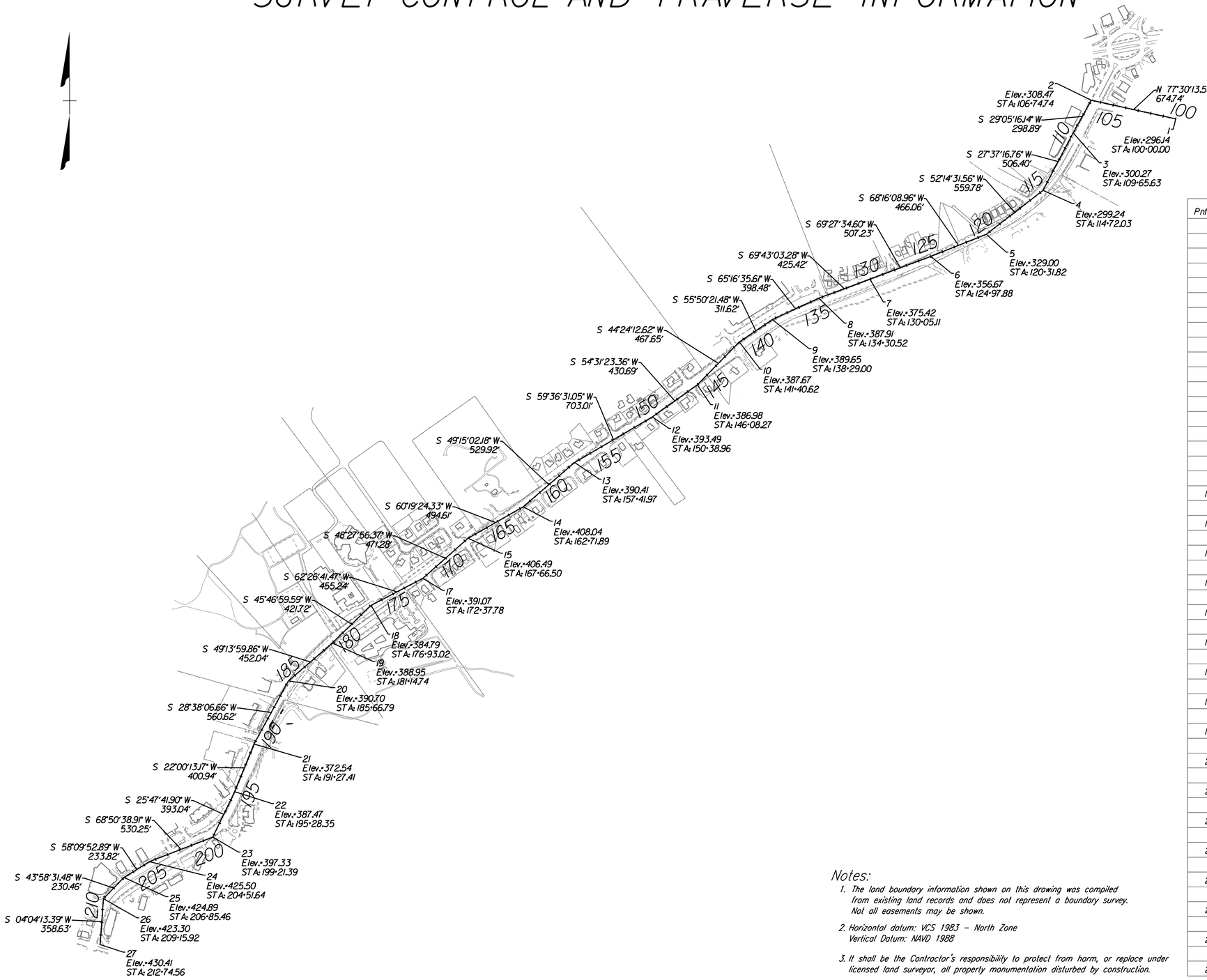
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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

SURVEY CONTROL AND TRAVERSE INFORMATION

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IF

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SURVEY CONTROL/TRAVERSE INFORMATION IS PROVIDED FOR INFORMATION ONLY

Traverse Tabulation by RDA

Pnt.No.	Bearing	Distance	Northing (Y)	Easting (X)	Elevation (Z)	Station
1			6999689.8217	11832001.5003	296.14	100+00.00
	N 77°30'13.51" W	674.74				
2			6999835.8195	11831342.7428	308.47	106+74.74
	S 29°05'16.14" W	290.89				
3			6999581.6164	11831201.3260	300.27	109+65.63
	S 27°37'16.76" W	506.4				
4			6999132.9292	11830966.5453	299.24	114+72.03
	S 52°14'31.56" W	559.78				
5			6998790.1583	11830523.9766	329.00	120+31.82
	S 68°16'08.96" W	466.06				
6			6998617.6005	11830091.0367	356.67	124+97.88
	S 69°27'34.60" W	507.23				
7			6998439.6312	11829616.0570	375.42	130+05.11
	S 69°43'03.28" W	425.42				
8			6998292.1612	11829217.0176	387.91	134+30.52
	S 65°16'35.61" W	398.48				
9			6998125.5032	11828855.0673	389.65	138+29.00
	S 55°50'21.48" W	311.62				
10			6997950.5234	11828597.2120	387.67	141+40.62
	S 44°24'12.62" W	467.65				
11			6997616.4213	11828269.9950	386.98	146+08.27
	S 54°31'23.36" W	430.69				
12			6997366.4613	11827919.2644	393.49	150+38.96
	S 59°36'31.05" W	703.01				
13			6997010.8040	11827312.8520	390.41	157+41.97
	S 49°15'02.18" W	529.92				
14			6996664.8992	11826911.4012	408.04	162+71.89
	S 60°19'24.33" W	494.61				
15			6996420.0160	11826481.6670	406.49	167+66.50
	S 48°27'56.37" W	471.28				
17			6996107.5233	11826128.8846	391.07	172+37.78
	S 62°26'41.47" W	455.24				
18			6995896.9280	11825725.2836	384.79	176+93.02
	S 45°46'59.59" W	421.72				
19			6995602.8304	11825423.0336	388.95	181+14.74
	S 49°13'59.86" W	452.04				
20			6995307.6540	11825080.6664	390.70	185+66.79
	S 28°38'06.66" W	560.62				
21			6994815.6046	11824812.0003	372.54	191+27.41
	S 22°00'13.17" W	400.94				
22			6994443.8683	11824661.7815	387.47	195+28.35
	S 25°47'41.90" W	393.04				
23			6994089.9897	11824490.7482	397.33	199+21.39
	S 68°50'38.91" W	530.25				
24			6993898.6180	11823996.2329	425.50	204+51.64
	S 58°09'52.89" W	233.82				
25			6993775.2834	11823797.5880	424.89	206+85.46
	S 43°58'31.48" W	230.46				
26			6993609.4339	11823637.5665	423.30	209+15.92
	S 04°04'13.39" W	358.63				
27			6993251.7045	11823612.1100	430.41	212+74.56

Notes:

1. The land boundary information shown on this drawing was compiled from existing land records and does not represent a boundary survey. Not all easements may be shown.
2. Horizontal datum: VCS 1983 – North Zone
   Vertical Datum: NAVD 1988
3. It shall be the Contractor's responsibility to protect from harm, or replace under licensed land surveyor, all property monumentation disturbed by construction.

SCALE	PROJECT	SHEET NO.
0 400' 800'	U000-151-R94	IF

4/22/2025

FINAL PLANS

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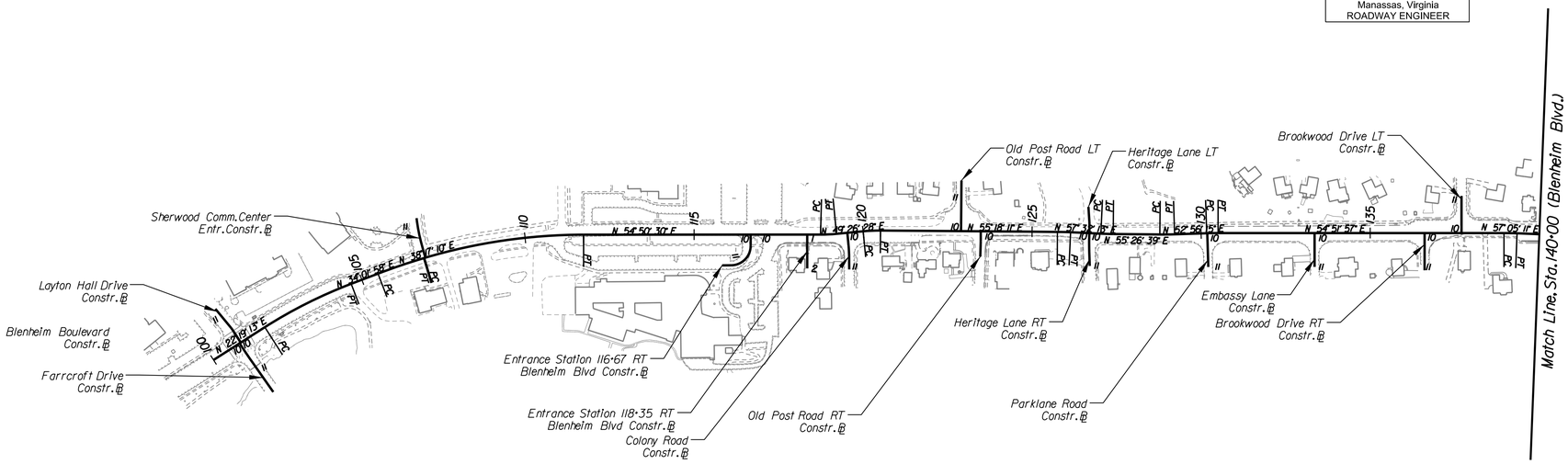
PROPOSED BASELINES

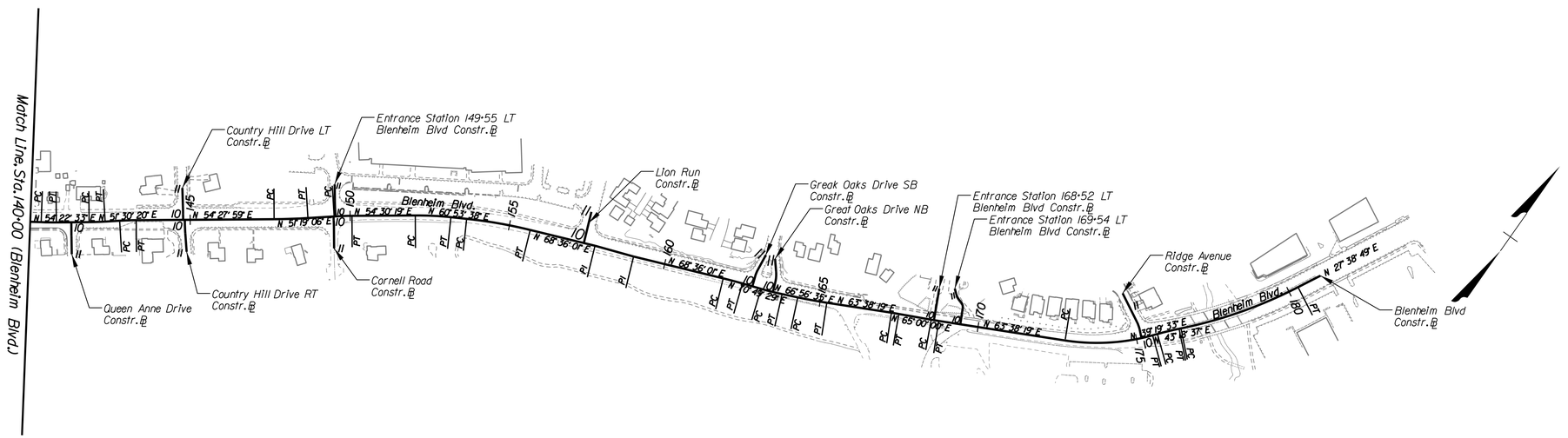
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT





SCALE 0 400' 800'

PROJECT	SHEET NO.
U000-151-R94	1G(1)

FINAL PLANS

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4/22/2025

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HORIZONTAL CONSTRUCTION ALIGNMENT DATA SHEET

COMMONWEALTH OF VIRGINIA — MARK A. GUNN Lic. No. 038323 — PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(1A)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Blenheim Boulevard

From Sta.100+00.00 to Sta.181+10.40

Chain BLENHEIM contains:
BLENHEIM001 CUR BLENHEIM1 CUR BLENHEIM2 CUR BLENHEIM3 CUR BLENHEIM4 CUR BLENHE-
IM5 CUR BLENHEIM6 CUR BLENHEIM7 CUR BLENHEIM8 CUR BLENHEIM9 CUR
BLENHEIM10 CUR -
BLENHEIM11 CUR BLENHEIM12 CUR BLENHEIM13 CUR BLENHEIM14 CUR BLENHEIM15 CUR BLEN-
HEIM16 CUR BLENHEIM17 BLENHEIM002 BLENHEIM003 CUR BLENHEIM18 CUR
BLENHEIM19 CUR-
BLENHEIM20 CUR BLENHEIM21 CUR BLENHEIM22 CUR BLENHEIM23 CUR
BLENHEIM24 CUR BLE-
NHEIM25 BLENHEIM004

Beginning chain BLENHEIM description

Point BLENHEIM001 N 6,994,766.8010 E 11,824,827.6357 Sta 100+00.00

Course from BLENHEIM001 to PC BLENHEIM1 N 22°33'¼" E 19' 13.2646" E Dist 180.0000

Curve Data

Curve BLENHEIM1
P.I. Station 103+23.60 N 6,995,066.1518 E 11,824,950.5326
Delta = 11°33'¼" 42' 45.1834" (RT)
Degree = 4°11'¾" 05' 33.2004"
Tangent = 143.5962
Length = 286.1916
Radius = 1,400.0000
External = 7.3450
Long Chord = 285.6936
Mid.Ord. = 7.3066
P.C. Station 101+80.00 N 6,994,933.3145 E 11,824,895.9969
P.T. Station 104+66.19 N 6,995,185.1523 E 11,825,030.8989
C.C. N 6,994,401.6158 E 11,826,191.1017
Back = N 22°33'¼" E 19' 13.2644" E
Ahead = N 34°59'¾" E 01' 58.4478" E
Chord Bear = N 28°16'¼" E 10' 35.8566" E

Course from PT BLENHEIM1 to PC BLENHEIM2 N 34°59'¾" E 01' 58.4470" E Dist 84.9409

Curve Data

Curve BLENHEIM2
P.I. Station 106+22.24 N 6,995,314.4748 E 11,825,118.2361
Delta = 4°33'¼" 15' 11.6632" (RT)
Degree = 2°11'¾" 59' 31.0082"
Tangent = 71.1108
Length = 142.1563
Radius = 1,915.0000
External = 1.3198
Long Chord = 142.1236
Mid.Ord. = 1.3189
P.C. Station 105+51.13 N 6,995,255.5442 E 11,825,078.4376
P.T. Station 106+93.29 N 6,995,370.2916 E 11,825,162.2956
C.C. N 6,994,183.7782 E 11,826,665.4294
Back = N 34°59'¾" E 01' 58.4478" E
Ahead = N 38°32'¼" E 17' 10.1110" E
Chord Bear = N 36°45'¾" E 09' 34.2794" E

Course from PT BLENHEIM2 to PC BLENHEIM3 N 38°32'¼" E 17' 10.1128" E Dist 3.2660

Curve Data

Curve BLENHEIM3
P.I. Station 109+36.61 N 6,995,561.2793 E 11,825,313.0537
Delta = 16°33'¼" 33' 19.4910" (RT)
Degree = 3°34'¾" 28' 20.8973"
Tangent = 240.0534
Length = 476.7617
Radius = 1,650.0000
External = 17.3709
Long Chord = 475.1049
Mid.Ord. = 17.1899
P.C. Station 106+96.55 N 6,995,372.8551 E 11,825,164.3192
P.T. Station 111+73.32 N 6,995,699.5115 E 11,825,509.3124
C.C. N 6,994,350.5330 E 11,826,459.4475
Back = N 38°32'¼" E 17' 10.1110" E
Ahead = N 54°59'¾" E 50' 29.6020" E
Chord Bear = N 46°45'¾" E 33' 49.8565" E

Course from PT BLENHEIM3 to PC BLENHEIM4 N 54°59'¾" E 50' 29.6020" E Dist 700.6409

Curve Data

Curve BLENHEIM4
P.I. Station 118+97.54 N 6,996,116.5476 E 11,826,101.4099
Delta = 5°33'¼" 24' 02.0029" (LT)
Degree = 11°11'¾" 27' 32.9612"
Tangent = 23.5818
Length = 47.1287
Radius = 500.0000
External = 0.5558
Long Chord = 47.1113
Mid.Ord. = 0.5552
P.C. Station 118+73.96 N 6,996,102.9683 E 11,826,082.1303
P.T. Station 119+21.09 N 6,996,131.8812 E 11,826,119.3259
C.C. N 6,996,511.7496 E 11,825,794.2106
Back = N 54°59'¾" E 50' 29.6020" E
Ahead = N 49°33'¾" E 26' 27.5991" E
Chord Bear = N 52°16'¾" E 08' 28.6005" E

Course from PT BLENHEIM4 to PC BLENHEIM5 N 49°33'¾" E 26' 27.5989" E Dist 79.4085

Curve Data

Curve BLENHEIM5
P.I. Station 120+26.09 N 6,996,200.1610 E 11,826,199.1047
Delta = 5°33'64 51' 43.0917" (RT)
Degree = 11°33'64 27' 32.9612"
Tangent = 25.6000
Length = 51.1553
Radius = 500.0000
External = 0.6549
Long Chord = 51.1330
Mid.Ord. = 0.6541
P.C. Station 120+00.49 N 6,996,183.5151 E 11,826,179.6555
P.T. Station 120+51.65 N 6,996,214.7334 E 11,826,220.1524
C.C. N 6,995,803.6467 E 11,826,504.7708
Back = N 49°33'64 26' 27.5991" E
Ahead = N 55°33'64 18' 10.6908" E
Chord Bear = N 52°33'64 22' 19.1450" E

Course from PT BLENHEIM5 to PC BLENHEIM6 N 55°33'64 18' 10.6909" E Dist 523.3500

Curve Data

Curve BLENHEIM6
P.I. Station 125+94.50 N 6,996,523.7429 E 11,826,666.4681
Delta = 2°33'64 14' 02.6948" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 19.4985
Length = 38.9921
Radius = 1,000.0000
External = 0.1901
Long Chord = 38.9896
Mid.Ord. = 0.1900
P.C. Station 125+75.00 N 6,996,512.6436 E 11,826,650.4369
P.T. Station 126+13.99 N 6,996,534.2088 E 11,826,682.9198
C.C. N 6,995,690.4701 E 11,827,219.6739
Back = N 55°33'64 18' 10.6908" E
Ahead = N 57°33'64 32' 13.3857" E
Chord Bear = N 56°33'64 25' 12.0382" E

Course from PT BLENHEIM6 to PC BLENHEIM7 N 57°33'64 32' 13.3856" E Dist 89.4516

Curve Data

Curve BLENHEIM7
P.I. Station 127+21.71 N 6,996,592.0270 E 11,826,773.8059
Delta = 2°33'64 05' 34.7431" (LT)
Degree = 5°33'64 43' 46.4806"
Tangent = 18.2668
Length = 36.5295
Radius = 1,000.0000
External = 0.1668
Long Chord = 36.5274
Mid.Ord. = 0.1668
P.C. Station 127+03.44 N 6,996,582.2223 E 11,826,758.3935
P.T. Station 127+39.97 N 6,996,602.3881 E 11,826,788.8499
C.C. N 6,997,425.9610 E 11,826,221.6394
Back = N 57°33'64 32' 13.3857" E
Ahead = N 55°33'64 26' 38.6426" E
Chord Bear = N 56°33'64 29' 26.0141" E

Course from PT BLENHEIM7 to PC BLENHEIM8 N 55°33'64 26' 38.6425" E Dist 137.9152

Curve Data

Curve BLENHEIM8
P.I. Station 128+99.76 N 6,996,693.0236 E 11,826,920.4499
Delta = 2°33'64 30' 23.1966" (LT)
Degree = 5°33'64 43' 46.4806"
Tangent = 21.8763
Length = 43.7457
Radius = 1,000.0000
External = 0.2393
Long Chord = 43.7422
Mid.Ord. = 0.2392
P.C. Station 128+77.89 N 6,996,680.6151 E 11,826,902.4331
P.T. Station 129+21.63 N 6,996,706.2081 E 11,826,937.9068
C.C. N 6,997,504.1880 E 11,826,335.2226
Back = N 55°33'64 26' 38.6426" E
Ahead = N 52°33'64 56' 15.4459" E
Chord Bear = N 54°33'64 11' 27.0442" E

Course from PT BLENHEIM8 to PC BLENHEIM9 N 52°33'64 56' 15.4449" E Dist 94.9010

Curve Data

Curve BLENHEIM9
P.I. Station 130+33.36 N 6,996,773.5457 E 11,827,027.0647
Delta = 13°33'64 55' 41.6232" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 16.8286
Length = 33.6539
Radius = 1,000.0000
External = 0.1416
Long Chord = 33.6524
Mid.Ord. = 0.1416
P.C. Station 130+16.53 N 6,996,763.4034 E 11,827,013.6358
P.T. Station 130+50.19 N 6,996,783.2304 E 11,827,040.8272
C.C. N 6,995,965.4236 E 11,827,616.3199
Back = N 52°33'64 56' 15.4459" E
Ahead = N 54°33'64 51' 57.0692" E
Chord Bear = N 53°33'64 54' 06.2575" E

Course from PT BLENHEIM9 to PC BLENHEIM10 N 54°33'64 51' 57.0692" E Dist 845.3840

Curve Data

Curve BLENHEIM10
P.I. Station 139+14.95 N 6,997,280.8963 E 11,827,748.0378
Delta = 2°33'64 13' 14.1347" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 19.3808
Length = 38.7567
Radius = 1,000.0000
External = 0.1878
Long Chord = 38.7542
Mid.Ord. = 0.1878
P.C. Station 138+95.57 N 6,997,269.7428 E 11,827,732.1880
P.T. Station 139+34.33 N 6,997,291.4273 E 11,827,764.3077
C.C. N 6,996,451.9359 E 11,828,307.6808
Back = N 54°33'64 51' 57.0692" E
Ahead = N 57°33'64 05' 11.2039" E
Chord Bear = N 55°33'64 58' 34.1365" E

Course from PT BLENHEIM10 to PC BLENHEIM11 N 57°33'64 05' 11.2041" E Dist 99.8323

Curve Data

Curve BLENHEIM11
P.I. Station 140+57.82 N 6,997,358.5297 E 11,827,867.9785
Delta = 2°33'64 42' 38.6576" (LT)
Degree = 5°33'64 43' 46.4806"
Tangent = 23.6601
Length = 47.3113
Radius = 1,000.0000
External = 0.2799
Long Chord = 47.3069
Mid.Ord. = 0.2798
P.C. Station 140+34.16 N 6,997,345.6735 E 11,827,848.1161
P.T. Station 140+81.47 N 6,997,372.3109 E 11,827,887.2107
C.C. N 6,998,185.1648 E 11,827,304.7430
Back = N 57°33'64 05' 11.2039" E
Ahead = N 54°33'64 22' 32.5463" E
Chord Bear = N 55°33'64 43' 51.8751" E

Course from PT BLENHEIM11 to PC BLENHEIM12 N 54°33'64 22' 32.5460" E Dist 102.5070

Curve Data

Curve BLENHEIM12
P.I. Station 142+09.03 N 6,997,446.6105 E 11,827,990.8984
Delta = 2°33'64 52' 12.9609" (LT)
Degree = 5°33'64 43' 46.4806"
Tangent = 25.0530
Length = 50.0956
Radius = 1,000.0000
External = 0.3138
Long Chord = 50.0904
Mid.Ord. = 0.3137
P.C. Station 141+83.98 N 6,997,432.0179 E 11,827,970.5339
P.T. Station 142+34.08 N 6,997,462.2045 E 11,828,010.5066
C.C. N 6,998,244.8718 E 11,827,388.0662
Back = N 54°33'64 22' 32.5463" E
Ahead = N 51°33'64 30' 19.5855" E
Chord Bear = N 52°33'64 56' 26.0659" E

Course from PT BLENHEIM12 to PC BLENHEIM13 N 51°33'64 30' 19.5851" E Dist 45.5939

Curve Data

Curve BLENHEIM13
P.I. Station 143+05.52 N 6,997,506.6715 E 11,828,066.4200
Delta = 2°33'64 57' 39.7740" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 25.8458
Length = 51.6800
Radius = 1,000.0000
External = 0.3339
Long Chord = 51.6743
Mid.Ord. = 0.3338
P.C. Station 142+79.67 N 6,997,490.5840 E 11,828,046.1914
P.T. Station 143+31.35 N 6,997,521.6925 E 11,828,087.4527
C.C. N 6,996,707.9168 E 11,828,668.6317
Back = N 51°33'64 30' 19.5855" E
Ahead = N 54°33'64 27' 59.3595" E
Chord Bear = N 53°33'64 59' 09.4725" E

Course from PT BLENHEIM13 to PC BLENHEIM14 N 54°33'64 27' 59.3597" E Dist 431.0580

Curve Data

Curve BLENHEIM14
P.I. Station 148+15.31 N 6,997,802.9573 E 11,828,481.2840
Delta = 3°33'64 08' 53.1477" (LT)
Degree = 2°33'64 58' 35.0549"
Tangent = 52.8975
Length = 105.7685
Radius = 1,925.0000
External = 0.7267
Long Chord = 105.7551
Mid.Ord. = 0.7264
P.C. Station 147+62.41 N 6,997,772.2144 E 11,828,438.2372
P.T. Station 148+68.18 N 6,997,836.0178 E 11,828,522.5774
C.C. N 6,999,338.7326 E 11,827,319.4676
Back = N 54°33'64 27' 59.3595" E
Ahead = N 51°33'64 19' 06.2118" E
Chord Bear = N 52°33'64 53' 32.7857" E

Course from PT BLENHEIM14 to PC BLENHEIM15 N 51°33'64 19' 06.2105" E Dist 82.0127

Curve Data

Curve BLENHEIM15
P.I. Station 149+78.01 N 6,997,904.6608 E 11,828,608.3142
Delta = 3°33'64 11' 12.5525" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 27.8174
Length = 55.6205
Radius = 1,000.0000
External = 0.3868
Long Chord = 55.6133
Mid.Ord. = 0.3867
P.C. Station 149+50.19 N 6,997,887.2751 E 11,828,586.5991
P.T. Station 150+05.81 N 6,997,920.8124 E 11,828,630.9623
C.C. N 6,997,106.6441 E 11,829,211.5912
Back = N 51°33'64 19' 06.2118" E
Ahead = N 54°33'64 30' 18.7643" E
Chord Bear = N 52°33'64 54' 42.4881" E

Course from PT BLENHEIM15 to PC BLENHEIM16 N 54°33'64 30' 18.7645" E Dist 197.9920

Curve Data

Curve BLENHEIM16
P.I. Station 152+59.61 N 6,998,068.1767 E 11,828,837.5991
Delta = 6°33'64 23' 19.0463" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 55.8091
Length = 111.5025
Radius = 1,000.0000
External = 1.5561
Long Chord = 111.4448
Mid.Ord. = 1.5537
P.C. Station 152+03.80 N 6,998,035.7723 E 11,828,792.1611
P.T. Station 153+15.30 N 6,998,095.3238 E 11,828,886.3607
C.C. N 6,997,221.6039 E 11,829,372.7900
Back = N 54°33'64 30' 18.7643" E
Ahead = N 60°33'64 53' 37.8107" E
Chord Bear = N 57°33'64 41' 58.2875" E

Course from PT BLENHEIM16 to PC BLENHEIM17 N 60°33'64 53' 37.8116" E Dist 49.3614

Curve Data

Curve BLENHEIM17
P.I. Station 154+65.69 N 6,998,168.4783 E 11,829,017.7600
Delta = 7°33'64 42' 23.1639" (RT)
Degree = 5°33'64 49' 10.9871"
Tangent = 101.0293
Length = 201.7540
Radius = 1,500.0000
External = 3.3985
Long Chord = 201.6019
Mid.Ord. = 3.3908
P.C. Station 153+64.67 N 6,998,119.3347 E 11,828,929.4887
P.T. Station 155+66.42 N 6,998,205.3411 E 11,829,111.8242
C.C. N 6,996,808.7548 E 11,829,659.1328
Back = N 60°33'64 53' 37.8107" E
Ahead = N 68°33'64 36' 00.9745" E
Chord Bear = N 64°33'64 44' 49.3926" E

Course from PT BLENHEIM17 to BLENHEIM002 N 68°33'64 36' 00.9747" E Dist 208.5807

Point BLENHEIM002 N 6,998,281.4465 E 11,829,306.0248 Sta 157+75.00

Course from BLENHEIM002 to BLENHEIM003 N 70°33'64 25' 59.1968" E Dist 125.0640

Point BLENHEIM003 N 6,998,323.3313 E 11,829,423.8665 Sta 159+00.06

Course from BLENHEIM003 to PC BLENHEIM18 N 68°33'64 36' 00.9745" E Dist 288.3516

Curve Data

Curve BLENHEIM18
P.I. Station 162+19.48 N 6,998,439.8766 E 11,829,721.2592
Delta = 2°33'64 13' 27.8237" (RT)
Degree = 3°33'64 34' 51.5504"
Tangent = 31.0623
Length = 62.1168
Radius = 1,600.0000
External = 0.3015
Long Chord = 62.1129
Mid.Ord. = 0.3014
P.C. Station 161+88.42 N 6,998,428.5428 E 11,829,692.3384
P.T. Station 162+50.53 N 6,998,450.0793 E 11,829,750.5981
C.C. N 6,996,938.8508 E 11,830,276.1342
Back = N 68°33'64 36' 00.9745" E
Ahead = N 70°33'64 49' 28.7982" E
Chord Bear = N 69°33'64 42' 44.8864" E

Course from PT BLENHEIM18 to PC BLENHEIM19 N 70°33'64 49' 28.7976" E Dist 60.8678

Curve Data

Curve BLENHEIM19
P.I. Station 163+45.29 N 6,998,481.2024 E 11,829,840.0954
Delta = 3°33'64 52' 53.8918" (LT)
Degree = 5°33'64 43' 46.4806"
Tangent = 33.8866
Length = 67.7473
Radius = 1,000.0000
External = 0.5740
Long Chord = 67.7344
Mid.Ord. = 0.5737
P.C. Station 163+11.40 N 6,998,470.0720 E 11,829,808.0889
P.T. Station 163+79.15 N 6,998,494.4740 E 11,829,871.2750
C.C. N 6,999,414.5898 E 11,829,479.6288
Back = N 70°33'64 49' 28.7982" E
Ahead = N 66°33'64 56' 34.9064" E
Chord Bear = N 68°33'64 53' 01.8523" E

Course from PT BLENHEIM19 to PC BLENHEIM20 N 66°33'64 56' 34.9071" E Dist 50.0000

Curve Data

Curve BLENHEIM20
P.I. Station 164+75.30 N 6,998,532.1311 E 11,829,959.7451
Delta = 3°33'64 18' 15.8529" (LT)
Degree = 3°33'64 34' 51.5504"
Tangent = 46.1510
Length = 92.2764
Radius = 1,600.0000
External = 0.6655
Long Chord = 92.2636
Mid.Ord. = 0.6652
P.C. Station 164+29.15 N 6,998,514.0563 E 11,829,917.2808
P.T. Station 165+21.42 N 6,998,552.6236 E 11,830,001.0969
C.C. N 6,999,986.2417 E 11,829,290.6469
Back = N 66°33'64 56' 34.9064" E
Ahead = N 63°33'64 38' 19.0535" E
Chord Bear = N 65°33'64 17' 26.9799" E

Course from PT BLENHEIM20 to PC BLENHEIM21 N 63°33'64 38' 19.0536" E Dist 204.1697

Curve Data

Curve BLENHEIM21
P.I. Station 167+37.47 N 6,998,648.5567 E 11,830,194.6803
Delta = 13°33'64 21' 40.8466" (RT)
Degree = 5°33'64 43' 46.4806"
Tangent = 11.8805
Length = 23.7600
Radius = 1,000.0000
External = 0.0706
Long Chord = 23.7594
Mid.Ord. = 0.0706
P.C. Station 167+25.59 N 6,998,643.2813 E 11,830,184.0352
P.T. Station 167+49.35 N 6,998,653.5776 E 11,830,205.4478
C.C. N 6,997,747.2700 E 11,830,628.0665
Back = N 63°33'64 38' 19.0535" E
Ahead = N 50°33'64 59' 59.9000" E
Chord Bear = N 56°33'64 49' 09.4767" E

Course from PT BLENHEIM21 to PC BLENHEIM22 N 50°33'64 59' 59.8998" E Dist 102.5134

Curve Data

Curve BLENHEIM22
P.I. Station 168+63.75 N 6,998,701.9226 E 11,830,309.1239
Delta = 13°33'64 21' 40.8513" (LT)
Degree = 5°33'64 43' 46.4806"
Tangent = 11.8806
Length = 23.7600
Radius = 1,000.0000
External = 0.0706
Long Chord = 23.7594
Mid.Ord. = 0.0706
P.C. Station 168+51.87 N 6,998,696.9017 E 11,830,298.3564
P.T. Station 168+75.63 N 6,998,707.1980 E 11,830,319.7690
C.C. N 6,999,603.2093 E 11,829,875.7377
Back = N 50°33'64 59' 59.9000" E
Ahead = N 63°33'64 38' 19.0487" E
Chord Bear = N 56°33'64 49' 09.4744" E

Course from PT BLENHEIM22 to PC BLENHEIM23 N 63°33'64 38' 19.0487" E Dist 399.8466

PROJECT	SHEET NO.
U000-151-R94	IG(1A)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

HORIZONTAL CONSTRUCTION ALIGNMENT DATA SHEET

COMMONWEALTH OF VIRGINIA — MARK A. GUNN Lic. No. 038323 — PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(1B)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Farrcroft Dr. Sta. 100+92 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+75.00

Chain FARRCROFT contains:

FARRCROFT001 CUR FARRCROFT1 FARRCROFT002

Beginning chain FARRCROFT description

Point FARRCROFT001 N 6,994,851.5449 E 11,824,862.4268 Sta 10+00.00

Course from FARRCROFT001 to PC FARRCROFT1 S 67° 40' 46.7706" E Dist 1.8803

Curve Data

Curve FARRCROFT1
P.I. Station 10+36.22 N 6,994,837.7873 E 11,824,895.9374
Delta = 2° 39' 24.0945" (LT)
Degree = 3° 52' 06.2844"
Tangent = 34.3444
Length = 68.6766
Radius = 1,481.1187
External = 0.3981
Long Chord = 68.6704
Mid.Ord. = 0.3980
P.C. Station 10+01.88 N 6,994,850.8308 E 11,824,864.1662
P.T. Station 10+70.56 N 6,994,826.2305 E 11,824,928.2790
C.C. N 6,996,220.9766 E 11,825,426.6724
Back = S 67° 40' 46.7492" E
Ahead = S 70° 20' 10.8437" E
Chord Bear = S 69° 00' 28.7964" E

Course from PT FARRCROFT1 to FARRCROFT002 S 70° 20' 10.8433" E Dist 104.4431

Point FARRCROFT002 N 6,994,791.0856 E 11,825,026.6314 Sta 11+75.00

Ending chain FARRCROFT description

Layton Hall Dr. Sta. 100+96 LT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+25.00

Chain LAYTONHALL contains:

LAYTONHALL001 CUR LAYTONHALL1 LAYTONHALL002

Beginning chain LAYTONHALL description

Point LAYTONHALL001 N 6,994,855.0815 E 11,824,863.8787 Sta 10+00.00

Course from LAYTONHALL001 to PC LAYTONHALL1 N 67° 40' 46.7351" W Dist 38.3755

Curve Data

Curve LAYTONHALL1
P.I. Station 10+45.69 N 6,994,872.4325 E 11,824,821.6151
Delta = 6° 48' 24.1900" (LT)
Degree = 46° 36' 18.241"
Tangent = 7.3112
Length = 14.6051
Radius = 122.9389
External = 0.2172
Long Chord = 14.5965
Mid.Ord. = 0.2168
P.C. Station 10+38.38 N 6,994,869.6559 E 11,824,828.3785
P.T. Station 10+52.98 N 6,994,874.3880 E 11,824,814.5704
C.C. N 6,994,755.9281 E 11,824,781.6882
Back = N 67° 40' 46.7350" W
Ahead = N 74° 29' 10.9250" W
Chord Bear = N 71° 04' 58.8300" W

Course from PT LAYTONHALL1 to LAYTONHALL002 N 74° 29' 10.9250" W Dist 72.0194

Point LAYTONHALL002 N 6,994,893.6509 E 11,824,745.1749 Sta 11+25.00

Ending chain LAYTONHALL description

Colony Rd. Sta. 119+57 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+08.64

Chain COLONY contains:

COLONY001 CUR COLONY1 COLONY002

Beginning chain COLONY description

Point COLONY001 N 6,996,152.8458 E 11,826,143.8212 Sta 10+00.00

Course from COLONY001 to PC COLONY1 S 40° 33' 32.3993" E Dist 38.5784

Curve Data

Curve COLONY1
P.I. Station 10+56.38 N 6,996,110.0130 E 11,826,180.4803
Delta = 5° 05' 45.6362" (RT)
Degree = 14° 19' 26.2016"
Tangent = 17.8002
Length = 35.5769
Radius = 400.0000
External = 0.3959
Long Chord = 35.5651
Mid.Ord. = 0.3955
P.C. Station 10+38.58 N 6,996,123.5364 E 11,826,168.9060
P.T. Station 10+74.16 N 6,996,095.5149 E 11,826,190.8075
C.C. N 6,995,863.4441 E 11,825,865.0113
Back = S 40° 33' 32.3986" E
Ahead = S 35° 27' 46.7624" E
Chord Bear = S 38° 00' 39.5805" E

Course from PT COLONY1 to COLONY002 S 35° 27' 46.7616" E Dist 34.4799

Point COLONY002 N 6,996,067.4313 E 11,826,210.8120 Sta 11+08.64

Ending chain COLONY description

Old Post Rd. Sta. 122+90 LT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+50.00

Chain OLDPOST_LT contains:
OLDPOST_LT001 OLDPOST_LT002

Beginning chain OLDPOST_LT description

Point OLDPOST_LT001 N 6,996,350.3968 E 11,826,416.0969 Sta 10+00.00

Course from OLDPOST_LT001 to OLDPOST_LT002 N 34° 41' 49.3097" W Dist 150.0000

Point OLDPOST_LT002 N 6,996,473.7229 E 11,826,330.7114 Sta 11+50.00

Ending chain OLDPOST_LT description

Old Post Rd. Sta. 123+48 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 10+75.00

Chain OLDPOST_RT contains:

OLDPOST_RT001 CUR OLDPOST_RT1 OLDPOST_RT002

Beginning chain OLDPOST_RT description

Point OLDPOST_RT001 N 6,996,383.6175 E 11,826,464.0789 Sta 10+00.00

Course from OLDPOST_RT001 to PC OLDPOST_RT1 S 34° 41' 49.3085" E Dist 29.3091

Curve Data

Curve OLDPOST_RT1
P.I. Station 10+33.91 N 6,996,355.7399 E 11,826,483.3801
Delta = 1° 19' 01.9111" (RT)
Degree = 14° 19' 26.2016"
Tangent = 4.5981
Length = 9.1958
Radius = 400.0000
External = 0.0264
Long Chord = 9.1956
Mid.Ord. = 0.0264
P.C. Station 10+29.31 N 6,996,359.5204 E 11,826,480.7627
P.T. Station 10+38.50 N 6,996,351.9003 E 11,826,485.9100
C.C. N 6,996,131.8256 E 11,826,151.8933
Back = S 34° 41' 49.3094" E
Ahead = S 33° 22' 47.3983" E
Chord Bear = S 34° 02' 18.3538" E

Course from PT OLDPOST_RT1 to OLDPOST_RT002 S 33° 22' 47.3990" E Dist 36.4952

Point OLDPOST_RT002 N 6,996,321.4254 E 11,826,505.9891 Sta 10+75.00

Ending chain OLDPOST_RT description

Heritage Ln. Sta. 126+69 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 10+97.18

Chain HERITAGE_RT contains:

HERITAGERT001 CUR HERITAGE_RT1 HERITAGERT002

Beginning chain HERITAGE_RT description

Point HERITAGERT01 N 6,996,563.9049 E 11,826,729.5999 Sta 10+00.00

Course from HERITAGERT01 to PC HERITAGE_RT1 S 33° 53' 36.2147" E Dist 16.4620

Curve Data

Curve HERITAGE_RT1
P.I. Station 10+36.25 N 6,996,533.8132 E 11,826,749.8157
Delta = 3° 14' 19.5547" (LT)
Degree = 8° 11' 06.4009"
Tangent = 19.7898
Length = 39.5690
Radius = 700.0000
External = 0.2797
Long Chord = 39.5637
Mid.Ord. = 0.2796
P.C. Station 10+16.46 N 6,996,550.2402 E 11,826,738.7799
P.T. Station 10+56.03 N 6,996,518.0359 E 11,826,761.7619
C.C. N 6,996,940.5948 E 11,827,319.8335
Back = S 33° 53' 36.2113" E
Ahead = S 37° 07' 55.7659" E
Chord Bear = S 35° 30' 45.9886" E

Course from PT HERITAGE_RT1 to HERITAGERT02 S 37° 07' 55.7658" E Dist 41.1503

Point HERITAGERT02 N 6,996,485.2290 E 11,826,786.6025 Sta 10+97.18

Ending chain HERITAGE_RT description

Heritage Ln. Sta. 126+69 LT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 10+74.90

Chain HERITAGE_LT contains:

HERITAGELT001 CUR HERITAGE_LT1 HERITAGELT002

Beginning chain HERITAGE_LT description

Point HERITAGELT01 N 6,996,563.9049 E 11,826,729.5998 Sta 10+00.00

Course from HERITAGELT01 to PC HERITAGE_LT1 N 33° 53' 31.5226" W Dist 18.0909

Curve Data

Curve HERITAGE_LT1
P.I. Station 10+26.42 N 6,996,585.8347 E 11,826,714.8680
Delta = 4° 46' 07.0988" (LT)
Degree = 28° 38' 52.4031"
Tangent = 8.3277
Length = 16.6457
Radius = 200.0000
External = 0.1733
Long Chord = 16.6409
Mid.Ord. = 0.1731
P.C. Station 10+18.09 N 6,996,578.9220 E 11,826,719.5118
P.T. Station 10+34.74 N 6,996,592.3374 E 11,826,709.6657
C.C. N 6,996,467.3959 E 11,826,553.4939
Back = N 33° 53' 31.5265" W
Ahead = N 38° 39' 38.6253" W
Chord Bear = N 36° 16' 35.0759" W

Course from PT HERITAGE_LT1 to HERITAGELT02 N 38° 39' 38.6253" W Dist 43.0821

Point HERITAGELT02 N 6,996,625.9784 E 11,826,682.7520 Sta 10+77.82

Ending chain HERITAGE_LT description

Parklane Rd. Sta. 130+17 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+00.00

Chain PARKLANE contains:

PARKLANE001 CUR PARKLANE1 PARKLANE002

Beginning chain PARKLANE description

Point PARKLANE001 N 6,996,764.3933 E 11,827,014.9487 Sta 10+00.00

Course from PARKLANE001 to PARKLANE002 S 36° 58' 05.4074" E Dist 100.0000

Point PARKLANE002 N 6,996,684.4963 E 11,827,075.0858 Sta 11+00.00

Ending chain PARKLANE description

Embassy Ln. Sta. 133+36 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+00.00

Chain EMBASSY contains:

EMBASSY001 EMBASSY002

Beginning chain EMBASSY description

Point EMBASSY001 N 6,996,947.3554 E 11,827,274.0578 Sta 10+00.00

Course from EMBASSY001 to EMBASSY002 S 35° 08' 02.9317" E Dist 100.0000

Point EMBASSY002 N 6,996,865.5747 E 11,827,331.6070 Sta 11+00.00

Ending chain EMBASSY description

Brookwood Dr. Sta. 137+70 LT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+10.00

Chain BROOKWOOD_LT contains:

BROOKWOODLT001 BROOKWOODLT002

Beginning chain BROOKWOOD_LT description

Point BROOKWOODLT001 N 6,997,197.5489 E 11,827,629.5965 Sta 10+00.00

Course from BROOKWOODLT001 to BROOKWOODLT002 N 35° 08' 02.9309" W Dist 110.0000

Point BROOKWOODLT002 N 6,997,287.5076 E 11,827,566.2923 Sta 11+10.00

Ending chain BROOKWOOD_LT description

Queen Anne Dr. Sta. 141+29 RT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+00.00

Chain QUEENANNE contains:

QUEENANNE001 CUR QUEENANNE1 QUEENANNE002

Beginning chain QUEENANNE description

Point QUEENANNE001 N 6,997,399.6948 E 11,827,925.4259 Sta 10+00.00

Course from QUEENANNE001 to PC QUEENANNE1 S 35° 37' 27.4517" E Dist 42.5207

Curve Data

Curve QUEENANNE1
P.I. Station 10+47.63 N 6,997,361.0368 E 11,827,953.2539
Delta = 0° 35' 09.0527" (RT)
Degree = 5° 43' 46.4806"
Tangent = 5.1125
Length = 10.2250
Radius = 1,000.0000
External = 0.0131
Long Chord = 10.2249
Mid.Ord. = 0.0131
P.C. Station 10+42.52 N 6,997,365.1317 E 11,827,950.1928
P.T. Station 10+52.75 N 6,997,356.9109 E 11,827,956.2729
C.C. N 6,996,766.3948 E 11,827,149.2470
Back = S 36° 46' 46.1501" E
Ahead = S 36° 11' 37.0974" E
Chord Bear = S 36° 29' 11.5237" E

Course from PT QUEENANNE1 to QUEENANNE002 S 36° 11' 37.0973" E Dist 47.2543

Point QUEENANNE002 N 6,997,318.7755 E 11,827,984,177.3 Sta 11+00.00

Ending chain QUEENANNE description

Country Hill Dr. Sta. 144+78 LT (BLENHEIM BL)

From Sta. 10+00.00 to Sta. 11+00.00

Chain COUNTRY_LT contains:

COUNTRYLT001 CUR COUNTRY_LT1 COUNTRYLT002

Beginning chain COUNTRY_LT description

Point COUNTRYLT001 N 6,997,606.9194 E 11,828,206.7888 Sta 10+00.00

Course from COUNTRYLT001 to PC COUNTRY_LT1 N 35° 32' 00.6348" W Dist 18.1541

Curve Data

Curve COUNTRY_LT1
P.I. Station 10+31.10 N 6,997,632.2252 E 11,828,188.7160
Delta = 1° 28' 58.9061" (LT)
Degree = 5° 43' 46.4806"
Tangent = 12.9426
Length = 25.8837
Radius = 1,000.0000
External = 0.0838
Long Chord = 25.8830
Mid.Ord. = 0.0837
P.C. Station 10+18.15 N 6,997,621.6928 E 11,828,196.2380
P.T. Station 10+44.04 N 6,997,642.5593 E 11,828,180.9240
C.C. N 6,997,040.5138 E 11,827,382.4622
Back = N 35° 32' 00.6353" W
Ahead = N 37° 00' 59.5414" W
Chord Bear = N 36° 16' 30.0884" W

Course from PT COUNTRY_LT1 to COUNTRYLT002 N 37° 00' 59.5416" W Dist 55.9622

Point COUNTRYLT002 N 6,997,687.2430 E 11,828,147.2322 Sta 11+00.00

Ending chain COUNTRY_LT description

PROJECT	SHEET NO.
U000-151-R94	IG(1B)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

HORIZONTAL CONSTRUCTION ALIGNMENT DATA SHEET

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(IC)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Blenheim Boulevard Continued

From Sta.100+00.00 to Sta.181+10.40

Chain BLENHEIM contains:
BLENHEIM001 CUR BLENHEIM1 CUR BLENHEIM2 CUR BLENHEIM3 CUR BLENHEIM4 CUR BLENHE+
IM5 CUR BLENHEIM6 CUR BLENHEIM7 CUR BLENHEIM8 CUR BLENHEIM9 CUR BLENHEIM10 CUR -
BLENHEIM11 CUR BLENHEIM12 CUR BLENHEIM13 CUR BLENHEIM14 CUR BLENHEIM15 CUR BLEN+
HEIM16 CUR BLENHEIM17 BLENHEIM002 BLENHEIM003 CUR BLENHEIM18 CUR BLENHEIM19 CUR-
BLENHEIM20 CUR BLENHEIM21 CUR BLENHEIM22 CUR BLENHEIM23 CUR BLENHEIM24 CUR BLE+
NHEIM25 BLENHEIM004

Beginning chain BLENHEIM description

Point BLENHEIM001 N 6,994,766.8010 E 11,824,827.6357 Sta 100+00.00

Course from BLENHEIM001 to PC BLENHEIM1 N 22°¾ 19' 13.2646" E Dist 180.0000

Curve Data

Curve BLENHEIM23
P.I. Station 174+15.49 N 6,998,946.9145 E 11,830,803.4933
Delta = 2433°64 18' 46.2030" (LT)
Degree = 833°64 48' 53.0471"
Tangent = 140.0175
Length = 275.8204
Radius = 650.0000
External = 14.9097
Long Chord = 273.7556
Mid.Ord. = 14.5754
P.C. Station 172+75.47 N 6,998,884.7423 E 11,830,678.0360
P.T. Station 175+51.29 N 6,999,055.2257 E 11,830,892.2265
C.C. N 6,999,467.1497 E 11,830,389.4157
Back = N 6333°64 38' 19.0487" E
Ahead = N 3933°64 19' 32.8457" E
Chord Bear = N 5133°64 28' 55.9472" E

Course from PT BLENHEIM23 to PC BLENHEIM24 N 3933°64 19' 32.8462" E Dist 157.872

Curve Data

Curve BLENHEIM24
P.I. Station 176+01.87 N 6,999,094.3472 E 11,830,924.2765
Delta = 333°64 59' 04.6355" (RT)
Degree = 533°64 43' 46.4806"
Tangent = 34.7864
Length = 69.5448
Radius = 1,000.0000
External = 0.6049
Long Chord = 69.5307
Mid.Ord. = 0.6045
P.C. Station 175+67.08 N 6,999,067.4380 E 11,830,902.2313
P.T. Station 176+36.63 N 6,999,119.6595 E 11,830,948.1382
C.C. N 6,998,433.7089 E 11,831,675.7863
Back = N 3933°64 19' 32.8457" E
Ahead = N 4333°64 18' 37.4812" E
Chord Bear = N 4133°64 19' 05.1634" E

Course from PT BLENHEIM24 to PC BLENHEIM25 N 4333°64 18' 37.4782" E Dist 5.8450

Curve Data

Curve BLENHEIM25
P.I. Station 178+38.34 N 6,999,266.4350 E 11,831,086.5028
Delta = 1533°64 39' 48.4561" (LT)
Degree = 433°64 01' 24.8881"
Tangent = 195.8672
Length = 389.2916
Radius = 1,424.0000
External = 13.4074
Long Chord = 388.0805
Mid.Ord. = 13.2823
P.C. Station 176+42.47 N 6,999,123.9126 E 11,830,952.1476
P.T. Station 180+31.76 N 6,999,439.9388 E 11,831,177.3895
C.C. N 7,000,100.7062 E 11,829,915.9767
Back = N 4333°64 18' 37.4812" E
Ahead = N 2733°64 38' 49.0251" E
Chord Bear = N 3533°64 28' 43.2531" E

Course from PT BLENHEIM25 to BLENHEIM004 N 2733°64 38' 49.0254" E Dist 78.6421

Point BLENHEIM004 N 6,999,509.6018 E 11,831,213.8812 Sta 181+10.40

Ending chain BLENHEIM description

Country Hill Dr. Sta.144+84 RT (BLENHEIM BL)

From Sta.100+00.00 to Sta.110+00.00

Chain COUNTRY_RT contains:

COUNTRYRT001 CUR COUNTRY_RT1 COUNTRYRT002

Beginning chain COUNTRY_RT description

Point COUNTRYRT001 N 6,997,610.0497 E 11,828,211.7717 Sta 100+00.00

Course from COUNTRYRT001 to PC COUNTRY_RT1 S 35° 32' 00.6526" E Dist 10.2121

Curve Data

Curve COUNTRY_RT1
P.I. Station 100+26.23 N 6,997,588.7016 E 11,828,226.4180
Delta = 3°40' 13.9659" (LT)
Degree = 11°27' 32.9612"
Tangent = 16.0213
Length = 32.0316
Radius = 500.0000
External = 0.2566
Long Chord = 32.0261
Mid.Ord. = 0.2565
P.C. Station 100+10.21 N 6,997,601.7393 E 11,828,217.1068
P.T. Station 100+42.24 N 6,997,576.2867 E 11,828,236.5448
C.C. N 6,997,892.3288 E 11,828,623.9947
Back = S 35° 32' 00.6538" E
Ahead = S 39° 12' 14.6197" E
Chord Bear = S 37° 22' 07.6368" E

Course from PT COUNTRY_RT1 to COUNTRYRT002 S 39° 12' 14.6200" E Dist 57.7563

Point COUNTRYRT002 N 6,997,531.5314 E 11,828,273.0517 Sta 101+00.00

Ending chain COUNTRY_RT description

Cornell Rd. Sta.149+48 RT (BLENHEIM BL)

From Sta.100+00.00 to Sta.110+00.00

Chain CORNELL contains:

CORNELL001 CUR CORNELL1 CORNELL002

Beginning chain CORNELL description

Point CORNELL001 N 6,997,885.9152 E 11,828,584.9005 Sta 100+00.00

Course from CORNELL001 to PC CORNELL1 S 38° 40' 53.7884" E Dist 11.0414

Curve Data

Curve CORNELL1
P.I. Station 100+24.78 N 6,997,866.5703 E 11,828,600.3884
Delta = 3°08' 53.1404" (RT)
Degree = 11°27' 32.9612"
Tangent = 13.7396
Length = 27.4723
Radius = 500.0000
External = 0.1887
Long Chord = 27.4689
Mid.Ord. = 0.1887
P.C. Station 100+11.04 N 6,997,877.2959 E 11,828,591.8012
P.T. Station 100+38.51 N 6,997,855.3894 E 11,828,608.3736
C.C. N 6,997,564.7999 E 11,828,201.4857
Back = S 38° 40' 53.7822" E
Ahead = S 35° 32' 00.6417" E
Chord Bear = S 37° 06' 27.2119" E

Course from PT CORNELL1 to CORNELL002 S 35° 32' 00.6405" E Dist 61.4863

Point CORNELL002 N 6,997,805.3534 E 11,828,644.1081 Sta 101+00.00

Ending chain CORNELL description

Lion Run Station 157+39 LT (BLENHEIM BL)

From Sta.100+00.00 to Sta.110+00.00

Chain LIONRUN contains:

LIONRUN001 LIONRUN002

Beginning chain LIONRUN description

Point LIONRUN001 N 6,998,268.3268 E 11,829,272.5469 Sta 100+00.00

Course from LIONRUN001 to LIONRUN002 N 21° 23' 59.0241" W Dist 100.0000

Point LIONRUN002 N 6,998,361.4326 E 11,829,236.0597 Sta 101+00.00

Ending chain LIONRUN description

Great Oaks Dr. SB 162+84 LT (BLENHEIM BL)

From Sta.100+00.00 to Sta.110+03.84

Chain GREATOAKS_SB contains:

GREATOAKSSB001 CUR GREATOAKS_SB1 GREATOAKSSB002

Beginning chain GREATOAKS_SB description

Point GREATOAKSSS001 N 6,998,460.6983 E 11,829,781.1340 Sta 100+00.00

Course from GREATOAKSSS001 to PC GREATOAKS_SB1 N 19° 10' 31.2005" W Dist 32.9036

Curve Data

Curve GREATOAKS_SB1
P.I. Station 100+43.98 N 6,998,502.2393 E 11,829,766.6879
Delta = 12° 38' 32.5689" (RT)
Degree = 57° 17' 44.8062"
Tangent = 11.0775
Length = 22.0651
Radius = 100.0000
External = 0.6117
Long Chord = 22.0204
Mid.Ord. = 0.6080
P.C. Station 100+32.90 N 6,998,491.7763 E 11,829,770.3265
P.T. Station 100+54.97 N 6,998,513.2449 E 11,829,765.4276
C.C. N 6,998,524.6223 E 11,829,864.7783
Back = N 19° 10' 31.2018" W
Ahead = N 6° 31' 58.6329" W
Chord Bear = N 12° 51' 14.9173" W

Course from PT GREATOAKS_SB1 to GREATOAKSS002 N 6° 31' 58.6346" W Dist 48.8701

Point GREATOAKSS002 N 6,998,561.7976 E 11,829,759.8674 Sta 110+03.84

Ending chain GREATOAKS_SB description

Great Oaks Dr. NB 163+50 LT (BLENHEIM BL)

From Sta.100+00.00 to Sta.110+04.93

Chain GREATOAKS_NB contains:

GREATOAKSNB001 CUR GREATOAKS_NB1 GREATOAKSNB002

Beginning chain GREATOAKS_NB description

Point GREATOAKSN001 N 6,998,483.2396 E 11,829,843.7533 Sta 100+00.00

Course from GREATOAKSN001 to PC GREATOAKS_NB1 N 21° 21' 13.3719" W Dist 31.5559

Curve Data

Curve GREATOAKS_NB1
P.I. Station 100+47.82 N 6,998,527.7789 E 11,829,826.3401
Delta = 18° 28' 41.2025" (LT)
Degree = 57° 17' 44.8062"
Tangent = 16.2664
Length = 32.2504
Radius = 100.0000
External = 1.3143
Long Chord = 32.1108
Mid.Ord. = 1.2973
P.C. Station 100+31.56 N 6,998,512.6291 E 11,829,832.2631
P.T. Station 100+63.81 N 6,998,540.2703 E 11,829,815.9208
C.C. N 6,998,476.2167 E 11,829,739.1280
Back = N 21° 21' 13.3716" W
Ahead = N 39° 49' 54.5741" W
Chord Bear = N 30° 35' 33.9729" W

Course from PT GREATOAKS_NB1 to GREATOAKSN002 N 39° 49' 54.5745" W Dist 41.1250

Point GREATOAKSN002 N 6,998,571.8513 E 11,829,789.5788 Sta 110+04.93

Ending chain GREATOAKS_NB description

Ridge Avenue Sta.175+23 LT (BLENHEIM BL)

From Sta.100+00.00 to Sta.110+52.63

Chain RIDGEAVE contains:

RIDGEAVE001 RIDGEAVE002

Beginning chain RIDGEAVE description

Point RIDGEAVE001 N 6,999,028.2190 E 11,830,868.8319 Sta 100+00.00

Course from RIDGEAVE001 to PC CUR_RIDGEAVE001 N 47° 31' 27.3543" W Dist 27.7566

Curve Data

Curve CUR_RIDGEAVE001
P.I. Station 100+40.12 N 6,999,055.3111 E 11,830,839.2410
Delta = 14°05' 44.6426" (LT)
Degree = 57° 17' 44.8062"
Tangent = 12.3633
Length = 24.6017
Radius = 100.0000
External = 0.7614
Long Chord = 24.5397
Mid.Ord. = 0.7556
P.C. Station 100+27.76 N 6,999,046.9625 E 11,830,848.3597
P.T. Station 100+52.36 N 6,999,061.1876 E 11,830,828.3636
C.C. N 6,998,973.2061 E 11,830,780.8319
Back = N 47° 31' 27.3581" W
Ahead = N 61° 37' 12.0006" W
Chord Bear = N 54° 34' 19.6794" W

Course from PT CUR_RIDGEAVE001 to RIDGEAVE005 N 61° 37' 12.0000" W Dist 100.2764

Point RIDGEAVE005 N 6,999,108.8506 E 11,830,740.1390 Sta 110+52.63

Ending chain RIDGEAVE description

PROJECT	SHEET NO.
U000-151-R94	IG(IC)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

HORIZONTAL CONSTRUCTION ALIGNMENT DATA SHEET

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G1D1

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Entrance Station 105+06 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+75.00

Chain ENTR_10506RT contains:

ENTRI0506001 CUR ENTR_10506RT1 ENTRI0506002

Beginning chain ENTR_10506RT description
****
Point ENTRI0506001 N 6,995,197.0462 E 11,825,038.9314 Sta 10+00.00

Course from ENTRI0506001 to PC ENTR_10506RT1 S 55° 58' 01.5583" E Dist 32.4866

Curve Data

Curve ENTR_10506RT1
P.I. Station 10+42.27 N 6,995,173.3911 E 11,825,073.9580
Delta = 22° 08' 01.1619" (LT)
Degree = 114° 35' 29.6125"
Tangent = 9.7796
Length = 19.3153
Radius = 50.0000
External = 0.9474
Long Chord = 19.1954
Mid.Ord. = 0.9298
P.C. Station 10+32.49 N 6,995,178.8645 E 11,825,065.8535
P.T. Station 10+51.80 N 6,995,171.3747 E 11,825,083.5274
C.C. N 6,995,220.3003 E 11,825,093.8370
Back = S 55° 58' 01.5554" E
Ahead = S 78° 06' 02.7173" E
Chord Bear = S 67° 02' 02.1364" E

Course from PT ENTR_10506RT1 to ENTRI0506002 S 78° 06' 02.7156" E Dist 23.1982

Point ENTRI0506002 N 6,995,166.5914 E 11,825,106.2271 Sta 10+75.00

****
Ending chain ENTR_10506RT description

Entrance Station 106+99 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+20.00

Chain ENTR_10699LT contains:

ENTRI0699001 CUR ENTR_10699LT1 CUR ENTR_10699LT2

Beginning chain ENTR_10699LT description
****

Point ENTRI0699001 N 6,995,374.8093 E 11,825,165.8641 Sta 10+00.00

Course from ENTRI0699001 to PC ENTR_10699LT1 N 51° 37' 38.4880" W Dist 14.7192

Curve Data

Curve ENTR_10699LT1
P.I. Station 10+20.00 N 6,995,387.2247 E 11,825,150.1843
Delta = 1° 12' 36.7766" (RT)
Degree = 11° 27' 32.9612"
Tangent = 5.2808
Length = 10.5611
Radius = 500.0000
External = 0.0279
Long Chord = 10.5609
Mid.Ord. = 0.0279
P.C. Station 10+14.72 N 6,995,383.9466 E 11,825,154.3244
P.T. Station 10+25.28 N 6,995,390.5896 E 11,825,146.1144
C.C. N 6,995,775.9416 E 11,825,464.7111
Back = N 51° 37' 38.4855" W
Ahead = N 50° 25' 01.7089" W
Chord Bear = N 51° 01' 20.0972" W

Course from PT ENTR_10699LT1 to PC ENTR_10699LT2 N 50° 25' 01.7021" W Dist 13.8778

Curve Data

Curve ENTR_10699LT2
P.I. Station 10+79.65 N 6,995,425.2348 E 11,825,104.2100
Delta = 8° 25' 17.8730" (RT)
Degree = 10° 25' 02.6920"
Tangent = 40.4939
Length = 80.8419
Radius = 550.0000
External = 1.4887
Long Chord = 80.7691
Mid.Ord. = 1.4847
P.C. Station 10+39.16 N 6,995,399.4324 E 11,825,135.4188
P.T. Station 11+20.00 N 6,995,455.3298 E 11,825,077.1167
C.C. N 6,995,823.3196 E 11,825,485.8752
Back = N 50° 25' 01.7090" W
Ahead = N 41° 59' 43.8359" W
Chord Bear = N 46° 12' 22.7724" W

****
Ending chain ENTR_10699LT description

Entrance Station 107+50 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_10750RT contains:

ENTRI0750001 ENTRI0750002

Beginning chain ENTR_10750RT description
****

Point ENTRI0750001 N 6,995,413.7835 E 11,825,197.7034 Sta 10+00.00

Course from ENTRI0750001 to ENTRI0750002 S 49° 52' 47.0164" E Dist 100.0000

Point ENTRI0750002 N 6,995,349.3440 E 11,825,274.1727 Sta 11+00.00

****
Ending chain ENTR_10750RT description

Entrance Station 108+78 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+85.75

Chain ENTR_10878RT contains:

ENTRI0878001 CUR ENTR_10878RT1 ENTRI0878002

Beginning chain ENTR_10878RT description
****

Point ENTRI0878001 N 6,995,508.9975 E 11,825,284.5177 Sta 10+00.00

Course from ENTRI0878001 to PC ENTR_10878RT1 S 45° 24' 15.4609" E Dist 26.0580

Curve Data

Curve ENTR_10878RT1
P.I. Station 10+30.91 N 6,995,487.2988 E 11,825,306.5248
Delta = 1° 06' 39.178" (LT)
Degree = 11° 27' 32.9612"
Tangent = 4.8473
Length = 9.6943
Radius = 500.0000
External = 0.0235
Long Chord = 9.6941
Mid.Ord. = 0.0235
P.C. Station 10+26.06 N 6,995,490.7021 E 11,825,303.0731
P.T. Station 10+35.75 N 6,995,483.9631 E 11,825,310.0418
C.C. N 6,995,846.7414 E 11,825,654.1230
Back = S 45° 24' 15.4612" E
Ahead = S 46° 30' 54.6393" E
Chord Bear = S 45° 57' 35.0503" E

Course from PT ENTR_10878RT1 to ENTRI0878002 S 46° 30' 54.6397" E Dist 50.0000

Point ENTRI0878002 N 6,995,449.5550 E 11,825,346.3196 Sta 10+85.75

****
Ending chain ENTR_10878RT description

Entrance Station 110+13 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+75.00

Chain ENTR_11013RT contains:

ENTR11013001 CUR ENTR_11013RT1 ENTR11013002

Beginning chain ENTR_11013RT description
****

Point ENTR11013001 N 6,995,600.9876 E 11,825,382.9424 Sta 10+00.00

Course from ENTR11013001 to PC ENTR_11013RT1 S 40° 43' 29.5094" E Dist 12.8560

Curve Data

Curve ENTR_11013RT1
P.I. Station 10+29.65 N 6,995,578.5167 E 11,825,402.2874
Delta = 4° 48' 30.6846" (RT)
Degree = 14° 19' 26.2016"
Tangent = 16.7948
Length = 33.5698
Radius = 400.0000
External = 0.3524
Long Chord = 33.5600
Mid.Ord. = 0.3521
P.C. Station 10+12.86 N 6,995,591.2446 E 11,825,391.3301
P.T. Station 10+46.43 N 6,995,564.9150 E 11,825,412.1393
C.C. N 6,995,330.1237 E 11,825,088.1895
Back = S 40° 43' 29.5089" E
Ahead = S 35° 54' 58.8243" E
Chord Bear = S 38° 19' 14.1666" E

Course from PT ENTR_11013RT1 to ENTR11013002 S 35° 54' 58.8240" E Dist 28.5742

Point ENTR11013002 N 6,995,541.7735 E 11,825,428.9010 Sta 10+75.00

****
Ending chain ENTR_11013RT description

Entrance Station 110+95 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+80.00

Chain ENTR_11095RT contains:

ENTR11095001 CUR ENTR_11095RT1 CUR ENTR_11095RT2 ENTR11095002

Beginning chain ENTR_11095RT description
****

Point ENTR11095001 N 6,995,652.6636 E 11,825,446.0592 Sta 10+00.00

Course from ENTR11095001 to PC ENTR_11095RT1 S 37° 53' 31.1246" E Dist 11.4858

Curve Data

Curve ENTR_11095RT1
P.I. Station 10+22.97 N 6,995,634.5351 E 11,825,460.1678
Delta = 24° 00' 31.3846" (LT)
Degree = 106° 04' 16.6912"
Tangent = 11.4858
Length = 22.6345
Radius = 54.0163
External = 1.2076
Long Chord = 22.4693
Mid.Ord. = 1.1812
P.C. Station 10+11.49 N 6,995,643.5993 E 11,825,453.1135
P.T. Station 10+34.12 N 6,995,629.1252 E 11,825,470.2998
C.C. N 6,995,676.7748 E 11,825,495.7416
Back = S 37° 53' 31.1179" E
Ahead = S 61° 54' 02.5025" E
Chord Bear = S 49° 53' 46.8102" E

Course from PT ENTR_11095RT1 to PC ENTR_11095RT2 S 61° 54' 02.4975" E Dist 15.7710

Curve Data

Curve ENTR_11095RT2
P.I. Station 10+63.44 N 6,995,615.3149 E 11,825,496.1651
Delta = 45° 54' 00.4300" (LT)
Degree = 179° 02' 57.5195"
Tangent = 13.5503
Length = 25.6355
Radius = 32.0000
External = 2.7507
Long Chord = 24.9554
Mid.Ord. = 2.5330
P.C. Station 10+49.89 N 6,995,621.6971 E 11,825,484.2119
P.T. Station 10+75.53 N 6,995,619.4573 E 11,825,509.0666
C.C. N 6,995,649.9253 E 11,825,499.2840
Back = S 61° 54' 02.5025" E
Ahead = N 72° 11' 57.0675" E
Chord Bear = S 84° 51' 02.7175" E

Course from PT ENTR_11095RT2 to ENTR11095002 N 72° 11' 57.0712" E Dist 4.4732

Point ENTR11095002 N 6,995,620.8248 E 11,825,513.3257 Sta 10+80.00

****
Ending chain ENTR_11095RT description

Entrance Station 111+10 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_11110LT contains:

ENTR11110001 CUR ENTR_11110LT1 ENTR11110002

Beginning chain ENTR_11110LT description
****
Point ENTR11110001 N 6,995,662.3538 E 11,825,458.6349 Sta 10+00.00

Course from ENTR11110001 to PC ENTR_11110LT1 N 37° 20' 26.4757" W Dist 35.7068

Curve Data

Curve ENTR_11110LT1
P.I. Station 10+42.52 N 6,995,696.1563 E 11,825,432.8464
Delta = 1° 33' 38.0260" (RT)
Degree = 11° 27' 32.9612"
Tangent = 6.8097
Length = 13.6185
Radius = 500.0000
External = 0.0464
Long Chord = 13.6181
Mid.Ord. = 0.0464
P.C. Station 10+35.71 N 6,995,690.7423 E 11,825,436.9768
P.T. Station 10+49.33 N 6,995,701.6807 E 11,825,428.8649
C.C. N 6,995,994.0188 E 11,825,834.4983
Back = N 37° 20' 26.4745" W
Ahead = N 35° 46' 48.4485" W
Chord Bear = N 36° 33' 37.4615" W

Course from PT ENTR_11110LT1 to ENTR11110002 N 35° 46' 48.4477" W Dist 50.6747

Point ENTR11110002 N 6,995,742.7914 E 11,825,399.2366 Sta 11+00.00

****
Ending chain ENTR_11110LT description

Entrance Station 111+86 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_11186LT contains:

ENTR11186001 ENTR11186002

Beginning chain ENTR_11186LT description
****

Point ENTR11186001 N 6,995,706.8108 E 11,825,519.6757 Sta 10+00.00

Course from ENTR11186001 to ENTR11186002 N 35° 09' 30.3985" W Dist 100.0000

Point ENTR11186002 N 6,995,788.5671 E 11,825,462.0918 Sta 11+00.00

****
Ending chain ENTR_11186LT description

Entrance Station 115+09 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_11509LT contains:

ENTR11509001 ENTR11509002

Beginning chain ENTR_11509LT description
****

Point ENTR11509001 N 6,995,892.5434 E 11,825,783.3742 Sta 10+00.00

Course from ENTR11509001 to ENTR11509002 N 35° 09' 30.3986" W Dist 100.0000

Point ENTR11509002 N 6,995,974.2996 E 11,825,725.7903 Sta 11+00.00

****
Ending chain ENTR_11509LT description

Entrance Station 115+69 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_11569LT contains:

ENTR11569001 ENTR11569002

Beginning chain ENTR_11569LT description
****

Point ENTR11569001 N 6,995,927.5603 E 11,825,833.0905 Sta 10+00.00

Course from ENTR11569001 to ENTR11569002 N 35° 09' 30.3969" W Dist 100.0000

Point ENTR11569002 N 6,996,009.3166 E 11,825,775.5065 Sta 11+00.00

****
Ending chain ENTR_11569LT description

Entrance Station 116+67 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_11667LT contains:

ENTR11667001 ENTR11667002

Beginning chain ENTR_11667LT description
****

Point ENTR11667001 N 6,995,984.0241 E 11,825,913.2559 Sta 10+00.00

Course from ENTR11667001 to ENTR11667002 N 35° 09' 30.3984" W Dist 99.9997

Point ENTR11667002 N 6,996,065.7802 E 11,825,855.6721 Sta 11+00.00

****
Ending chain ENTR_11667LT description

Entrance Station 116+67 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+50.47

Chain ENTR_11667RT contains:

ENTR11667003 CUR ENTR_11667RT1 ENTR11667004

Beginning chain ENTR_11667RT description
****

Point ENTR11667003 N 6,995,984.0241 E 11,825,913.2559 Sta 10+00.00

Course from ENTR11667003 to PC ENTR_11667RT1 S 35° 09' 30.3973" E Dist 32.6496

Curve Data

Curve ENTR_11667RT1
P.I. Station 10+90.27 N 6,995,910.2252 E 11,825,965.2351
Delta = 89° 37' 14.7573" (RT)
Degree = 98° 47' 08.9763"
Tangent = 57.6174
Length = 90.7223
Radius = 58.0000
External = 23.7543
Long Chord = 81.7525
Mid.Ord. = 16.8523
P.C. Station 10+32.65 N 6,995,957.3310 E 11,825,932.0568
P.T. Station 11+23.37 N 6,995,876.7358 E 11,825,918.3499
C.C. N 6,995,923.9323 E 11,825,884.6381
Back = S 35° 09' 30.3958" E
Ahead = S 54° 27' 44.3616" W
Chord Bear = S 9° 39' 06.9829" W

Course from PT ENTR_11667RT1 to ENTR11667004 S 54° 27' 44.3627" W Dist 27.0959

Point ENTR11667004 N 6,995,860.9866 E 11,825,896.3011 Sta 11+50.47

****
Ending chain ENTR_11667RT description

Entrance Station 117+28 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_11728LT contains:

ENTR11728001 ENTR11728002

Beginning chain ENTR_11728LT description
****

Point ENTR11728001 N 6,996,019.1500 E 11,825,963.1273 Sta 10+00.00

Course from ENTR11728001 to ENTR11728002 N 35° 09' 30.3986" W Dist 100.0000

Point ENTR11728002 N 6,996,100.9063 E 11,825,905.5433 Sta 11+00.00

****
Ending chain ENTR_11728LT description

4/22/2025

PROJECT	SHEET NO.
U000-151-R94	1G1D1

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

HORIZONTAL CONSTRUCTION ALIGNMENT DATA SHEET

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(1E)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Entrance Station 117+28 RT (BLENHEIM BL)

From Sta.1+00.00 to Sta.1+75.00

Chain ENTR_I1728RT contains:

ENTRI1728003 CUR ENTR_I1728RTI ENTRI1728004

Beginning chain ENTR_I1728RT description
****

Point ENTRI1728003 N 6,996,019.1500 E 11,825,963.1273 Sta 1+00.00

Course from ENTRI1728003 to PC ENTR_I1728RTI S 35° 09' 30.3975" E Dist 22.7426

Curve Data

Curve ENTR_I1728RTI
P.I. Station 1+33.22 N 6,995,991.9900 E 11,825,982.2570
Delta = 23° 40' 17.1643" (RT)
Degree = 114° 35' 29.6125"
Tangent = 10.4781
Length = 20.6572
Radius = 50.0000
External = 1.0861
Long Chord = 20.5106
Mid.Ord. = 1.0630
P.C. Station 1+22.74 N 6,996,000.5565 E 11,825,976.2233
P.T. Station 1+43.40 N 6,995,981.7218 E 11,825,984.3437
C.C. N 6,995,971.7645 E 11,825,935.3452
Back = S 35° 09' 30.3980" E
Ahead = S 11° 29' 13.2337" E
Chord Bear = S 23° 19' 21.8158" E

Course from PT ENTR_I1728RTI to ENTRI1728004 S 11° 29' 13.2341" E Dist 31.6002

Point ENTRI1728004 N 6,995,950.7546 E 11,825,990.6367 Sta 1+75.00

****
Ending chain ENTR_I1728RT description

Entrance Station 118+35 RT (BLENHEIM BL)

From Sta.1+00 to Sta.2+00

Chain ENT_I18+35_RT contains:

ENT01 ENT02

Beginning chain ENT_I18+35_RT description
****

Point ENT01 N 6,996,080.2471 E 11,826,049.8714 Sta 1+00.00

Course from ENT01 to ENT02 S 35° 09' 30.3986" E Dist 100.0000

Point ENT02 N 6,995,998.4909 E 11,826,107.4554 Sta 2+00.00

****
Ending chain ENT_I18+35_RT description

Entrance Station 121+33 RT (BLENHEIM BL)

From Sta.1+00.00 to Sta.2+00.00

Chain ENT_I21+33_RT contains:

ENT05 ENT06

Beginning chain ENT_I21+33_RT description
****

Point ENTRI2857001 N 6,996,668.2921 E 11,826,884.5404 Sta 1+00.00

Course from ENTRI2857001 to ENTRI2857002 S 34° 33' 21.3565" E Dist 75.0000

Point ENTRI2857002 N 6,996,606.5241 E 11,826,927.0812 Sta 1+75.00

****
Ending chain ENT_I28+57_RT description

Entrance Station 121+60 RT (BLENHEIM BL)

From Sta.1+00 to Sta.1+65.00
Chain ENT_I21+57_RT contains:
ENTRI21570001 CUR ENT_I21+57_RTI ENTRI21570002

Beginning chain ENT_I21+60_RT description
****

Point ENTRI21570001 N 6,996,276.6197 E 11,826,309.5374 Sta 1+00.00

Course from ENTRI21570001 to PC ENT_I21+57_RTI S 34° 41' 49.3118" E Dist 41.0000

Curve Data

Curve ENT_I21+57_RTI
P.I. Station 1+49.15 N 6,996,236.2137 E 11,826,337.5128
Delta = 30° 22' 50.8145" (LT)
Degree = 190° 59' 09.3542"
Tangent = 8.1454
Length = 15.9073
Radius = 30.0000
External = 1.0861
Long Chord = 15.7216
Mid.Ord. = 1.0482
P.C. Station 1+41.00 N 6,996,242.9106 E 11,826,332.8761
P.T. Station 1+56.91 N 6,996,232.7813 E 11,826,344.8997
C.C. N 6,996,259.9877 E 11,826,357.5413
Back = S 34° 41' 49.3094" E
Ahead = S 65° 04' 40.1239" E
Chord Bear = S 49° 53' 14.7167" E

Course from PT ENT_I21+57_RTI to ENTRI2157002 S 65° 04' 40.1169" E Dist 8.0927

Point ENTRI2157002 N 6,996,229.3711 E 11,826,352.2388 Sta 1+65.00

****
Ending chain ENT_I21+60_RT description

Entrance Station 169+54 LT (BLENHEIM BL)

From Sta.1+00.00 to Sta.2+27.11

Chain ENT_I69+54_LT contains:

ENT45 CUR ENT_I69+54_LTI CUR ENT_I69+54_LT2 ENT46

Beginning chain ENT_I69+54_LT description
****

Point ENTRI6954001 N 6,998,742.2907 E 11,830,390.5827 Sta 10+00.00

Course from ENTRI6954001 to PC ENTR_I6850LTI N 26° 21' 40.9517" W Dist 44.1314

Curve Data

Curve ENTR_I6850LTI
P.I. Station 10+53.63 N 6,998,790.3446 E 11,830,366.7689
Delta = 50° 48' 47.8011" (LT)
Degree = 286° 28' 44.0312"
Tangent = 9.4995
Length = 17.7372
Radius = 20.0000
External = 2.1414
Long Chord = 17.1616
Mid.Ord. = 1.9343
P.C. Station 10+44.13 N 6,998,781.8329 E 11,830,370.9870
P.T. Station 10+61.87 N 6,998,792.4533 E 11,830,357.5064
C.C. N 6,998,772.9523 E 11,830,353.0668
Back = N 26° 21' 40.9397" W
Ahead = N 77° 10' 28.7409" W
Chord Bear = N 51° 46' 04.8403" W

Course from PT ENTR_I6850LTI to PC ENTR_I6850LT2 N 77° 10' 28.7392" W Dist 19.5342

Curve Data

Curve ENTR_I6850LT2
P.I. Station 10+94.61 N 6,998,799.7213 E 11,830,325.5818
Delta = 27° 00' 20.6594" (RT)
Degree = 104° 10' 26.9204"
Tangent = 13.2072
Length = 25.9236
Radius = 55.0000
External = 1.5635
Long Chord = 25.6843
Mid.Ord. = 1.5203
P.C. Station 10+81.40 N 6,998,796.7895 E 11,830,338.4595
P.T. Station 11+07.33 N 6,998,808.1809 E 11,830,315.4395
C.C. N 6,998,850.4173 E 11,830,350.6684
Back = N 77° 10' 28.7428" W
Ahead = N 50° 10' 08.0834" W
Chord Bear = N 63° 40' 18.4131" W

Course from PT ENTR_I6850LT2 to ENTRI6954008 N 50° 10' 08.0947" W Dist 16.4417

Point ENTRI6954008 N 6,998,818.7122 E 11,830,302.8133 Sta 11+23.77

****
Ending chain ENTR_I6954LT description

Entrance Station 139+99 LT (BLENHEIM BL)

From Sta.1+00.00 to Sta.1+80.00

Chain ENT_I39+99_LT contains:

ENT19 ENT20

Beginning chain ENT_I39+99_LT description
****

Point ENTRI3999001 N 6,997,325.2941 E 11,827,816.6308 Sta 1+00.00

Course from ENTRI3999001 to ENTRI3999002 N 32° 54' 48.7954" W Dist 80.0000

Point ENTRI3999002 N 6,997,392.4535 E 11,827,773.1610 Sta 1+80.00

****
Ending chain ENT_I39+99_LT description

Entrance Station 141+12 LT (BLENHEIM BL)

From Sta.1+00.00 to Sta.1+70.00

Chain ENT_I41+12_LT contains:
ENTRI4112001 ENTRI4112002

Beginning chain ENT_I41+12_LT description
****

Point ENTRI4112001 N 6,997,390.1959 E 11,827,912.1698 Sta 1+00.00

Course from ENTRI4112001 to ENTRI4112002 N 35° 37' 27.4527" W Dist 70.0000

Point ENTRI4112002 N 6,997,447.0957 E 11,827,871.3970 Sta 1+70.00

****
Ending chain ENT_I41+12_LT description

Entrance Station 141+41 LT (BLENHEIM BL)

From Sta.1+00.00 to Sta.1+90.00

Chain ENT_I41+41_LT contains:

ENT31 ENT32

Beginning chain ENT_I41+41_LT description
****

Point ENTRI4141001 N 6,997,411.5025 E 11,827,941.9039 Sta 1+00.00

Course from ENTRI4141001 to ENTRI4141002 N 35° 37' 27.4524" W Dist 90.0000

Point ENTRI4141002 N 6,997,484.6593 E 11,827,889.4818 Sta 1+90.00

****
Ending chain ENT_I41+41_LT description

Entrance Station 144+24 RT (BLENHEIM BL)

From Sta.1+00.00 to Sta.1+80.00

Chain ENT_I44+24_RT contains:

ENT37 ENT38

Beginning chain ENT_I44+24_RT description
****

Point ENTRI4424003 N 6,997,575.4075 E 11,828,162.6653 Sta 1+00.00

Course from ENTRI4424003 to ENTRI4424004 S 35° 32' 00.6418" E Dist 80.0000

Point ENTRI4424004 N 6,997,510.3054 E 11,828,209.1596 Sta 1+80.00

****
Ending chain ENT_I44+24_RT description

Entrance Station 168+50 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+96.32

Chain ENTR_I6850LT contains:
ENTRI6850001 ENTRI6850002

Beginning chain ENTR_I6850LT description
****

Point ENTRI6850001 N 6,998,696.4823 E 11,830,297.4570 Sta 10+00.00

Course from ENTRI6850001 to ENTRI6850002 N 25° 00' 00.1001" W Dist 96.3166

Point ENTRI6850002 N 6,998,783.7748 E 11,830,256.7518 Sta 10+96.32

****
Ending chain ENTR_I6850LT description

Entrance Station 149+55 LT (BLENHEIM BL)

From Sta.10+00.00 to Sta.11+00.00

Chain ENTR_I4955LT contains:

ENTRI4955001 CUR ENTR_I4955LTI ENTRI4955002

Beginning chain ENTR_I4955LT description
****

Point ENTRI4955001 N 6,997,889.9734 E 11,828,589.9694 Sta 10+00.00

Course from ENTRI4955001 to PC ENTR_I4955LTI N 38° 40' 53.7861" W Dist 22.0414

Curve Data

Curve ENTR_I4955LTI
P.I. Station 10+35.78 N 6,997,917.9052 E 11,828,567.6065
Delta = 3° 08' 53.1512" (RT)
Degree = 11° 27' 32.9612"
Tangent = 13.7396
Length = 27.4723
Radius = 500.0000
External = 0.1887
Long Chord = 27.4689
Mid.Ord. = 0.1887
P.C. Station 10+22.04 N 6,997,907.1797 E 11,828,576.1936
P.T. Station 10+49.51 N 6,997,929.0862 E 11,828,559.6213
C.C. N 6,998,219.6757 E 11,828,966.5092
Back = N 38° 40' 53.7895" W
Ahead = N 35° 32' 00.6383" W
Chord Bear = N 37° 06' 27.2139" W

Course from PT ENTR_I4955LTI to ENTRI4955002 N 35° 32' 00.6405" W Dist 50.4873

Point ENTRI4955002 N 6,997,970.1716 E 11,828,530.2791 Sta 11+00.00

****
Ending chain ENTR_I4955LT description

Entrance Station 165+94 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+79.99

Chain ENTR_I6594RT contains:

ENTRI6594001 CUR ENTR_I6594RTI ENTRI6594002

Beginning chain ENTR_I6594RT description
****

Point ENTRI6594001 N 6,998,587.5839 E 11,830,069.0630 Sta 10+00.00

Course from ENTRI6594001 to PC ENTR_I6594RTI S 25° 05' 51.0071" E Dist 35.4340

Curve Data

Curve ENTR_I6594RTI
P.I. Station 10+52.27 N 6,998,540.2516 E 11,830,091.2326
Delta = 37° 12' 45.5062" (LT)
Degree = 114° 35' 29.6125"
Tangent = 16.8330
Length = 32.4742
Radius = 50.0000
External = 2.7575
Long Chord = 31.9064
Mid.Ord. = 2.6133
P.C. Station 10+35.43 N 6,998,555.4953 E 11,830,084.0927
P.T. Station 10+67.91 N 6,998,532.4295 E 11,830,106.1378
C.C. N 6,998,576.7033 E 11,830,129.3720
Back = S 25° 05' 51.0071" E
Ahead = S 62° 18' 36.5140" E
Chord Bear = S 43° 42' 13.7610" E

Course from PT ENTR_I6594RTI to ENTRI6594002 S 62° 18' 36.5142" E Dist 12.0838

Point ENTRI6594002 N 6,998,526.8144 E 11,830,116.8377 Sta 10+79.99

****
Ending chain ENTR_I6594RT description

Entrance Station 169+21 RT (BLENHEIM BL)

From Sta.10+00.00 to Sta.10+70.00

Chain ENTR_I6921RT contains:

ENTRI6921001 CUR ENTR_I6921RTI ENTRI6921002

Beginning chain ENTR_I6921RT description
****

Point ENTRI6921001 N 6,998,730.3778 E 11,830,359.7873 Sta 10+00.00

Course from ENTRI6921001 to PC ENTR_I6921RTI S 26° 21' 40.9433" E Dist 12.0000

Curve Data

Curve ENTR_I6921RTI
P.I. Station 10+28.42 N 6,998,704.9146 E 11,830,372.4060
Delta = 46° 44' 04.9836" (RT)
Degree = 150° 46' 42.1217"
Tangent = 16.4184
Length = 30.9956
Radius = 38.0000
External = 3.3952
Long Chord = 30.1435
Mid.Ord. = 3.1167
P.C. Station 10+12.00 N 6,998,719.6257 E 11,830,365.1157
P.T. Station 10+43.00 N 6,998,689.5233 E 11,830,366.6901
C.C. N 6,998,702.7525 E 11,830,331.0673
Back = S 26° 21' 40.9511" E
Ahead = S 20° 22' 24.0325" W
Chord Bear = S 2° 59' 38.4593" E

Course from PT ENTR_I6921RTI to ENTRI6921002 S 20° 22' 24.0305" W Dist 27.0066

Point ENTRI6921002 N 6,998,664.2061 E 11,830,357.2882 Sta 10+70.00

****
Ending chain ENTR_I6921RT description

PROJECT	SHEET NO.
U000-151-R94	IG(1E)

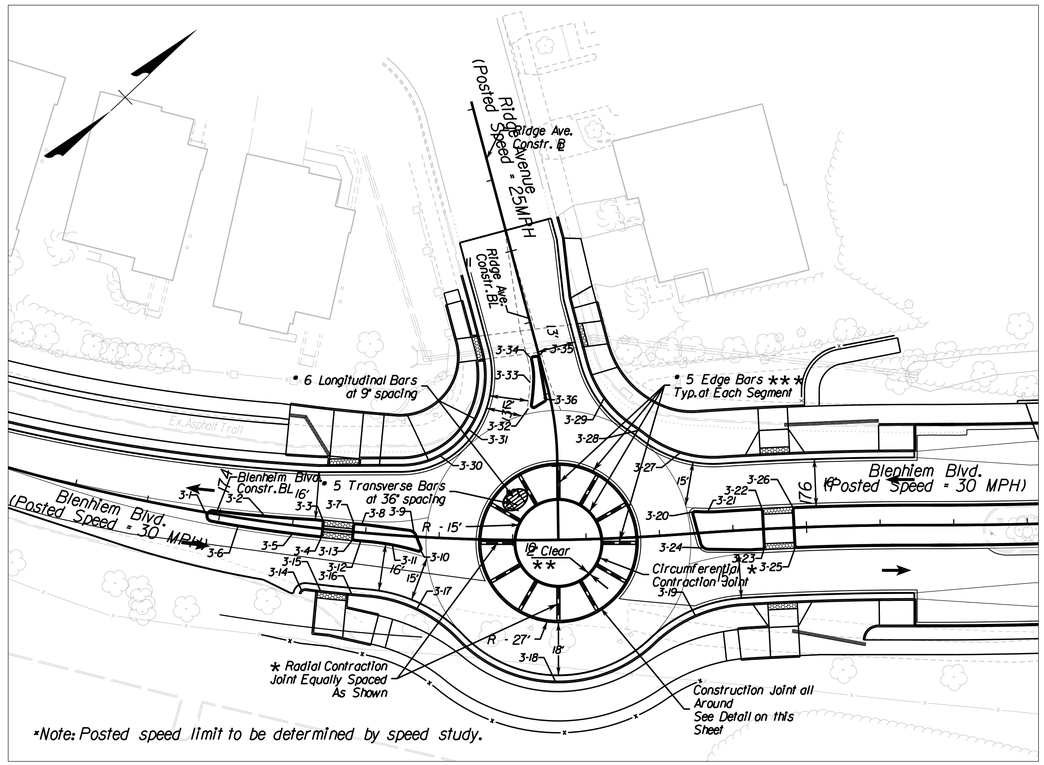
FINAL PLANS

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4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

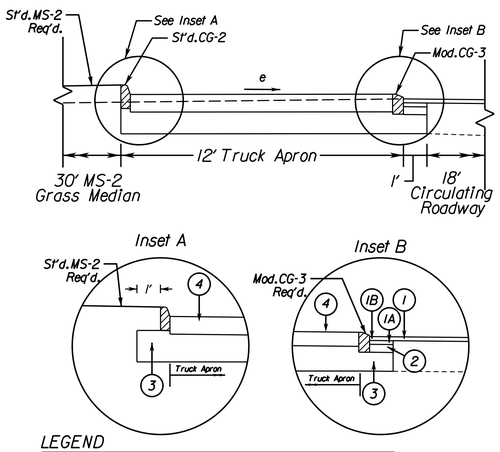
ROUNDABOUT DETAILS



REF. NO.	LOCATION				RADIUS	CHORD LENGTH	CURVE LENGTH
SHEET-ITEM	REFERENCE BASELINE	STATION	OFFSET	ELEVATION	FEET	FEET	FEET
3-1 (P.C.C.)	Blenheim Blvd.	173+97.58	2.86 RT	311.83	2.00	4.00	6.16
3-1 (P.R.C.)	Blenheim Blvd.	173+97.52	1.16 LT	311.86			
3-2 (P.R.C.)	Blenheim Blvd.	173+97.52	1.16 LT	311.86	501.00	34.96	35.00
3-2 (P.T)	Blenheim Blvd.	174+32.56	3.00 LT	309.59			
3-3 (P.C)	Blenheim Blvd.	174+34.50	3.00 LT	309.47	1.00	1.40	1.55
3-3 (P.T.)	Blenheim Blvd.	174+35.50	2.02 LT	309.91			
3-4 (P.C.)	Blenheim Blvd.	174+35.56	1.98 RT	309.92	1.00	1.43	1.59
3-4 (P.C.C.)	Blenheim Blvd.	174+34.56	3.00 RT	309.48			
3-5 (P.C.C.)	Blenheim Blvd.	174+34.56	3.00 RT	309.48	653.00	18.64	18.64
3-5 (P.C.C.)	Blenheim Blvd.	174+16.01	3.00 RT	310.64			
3-6 (P.C.C.)	Blenheim Blvd.	174+16.01	3.00 RT	310.64	399.00	18.51	18.52
3-6 (P.C.C.)	Blenheim Blvd.	173+97.58	2.86 RT	311.83			
3-7 (P.C.)	Blenheim Blvd.	174+45.53	2.00 LT	309.29	1.00	1.41	1.57
3-7 (P.R.C.)	Blenheim Blvd.	174+46.53	3.00 LT	308.72			
3-8 (P.R.C.)	Blenheim Blvd.	174+46.53	3.00 LT	308.72	647.00	4.00	4.00
3-8 (P.T.)	Blenheim Blvd.	174+50.55	3.00 LT	308.48			
3-9 (P.C.)	Blenheim Blvd.	174+64.82	2.21 LT	307.65	3.00	3.06	3.21
3-9 (P.T.)	Blenheim Blvd.	174+67.34	0.48 LT	308.00			
3-10 (P.C.)	Blenheim Blvd.	174+69.24	3.68 RT	307.39	1.00	1.80	2.23
3-10 (P.R.C.)	Blenheim Blvd.	174+68.10	5.06 RT	307.45			
3-11 (P.R.C.)	Blenheim Blvd.	174+68.10	5.06 RT	307.45	86.00	17.73	17.76
3-11 (P.R.C.)	Blenheim Blvd.	174+50.61	3.00 RT	308.51			
3-12 (P.R.C.)	Blenheim Blvd.	174+50.61	3.00 RT	308.51	653.00	4.10	4.10
3-12 (P.C.C.)	Blenheim Blvd.	174+46.53	3.00 RT	308.75			
3-13 (P.C.C.)	Blenheim Blvd.	174+46.53	3.00 RT	308.75	1.00	1.42	1.57
3-13 (P.T.)	Blenheim Blvd.	174+45.53	2.00 RT	309.31			
3-14 (P.C.)	Blenheim Blvd.	174+30.03	22.91 RT	n/a	2.00	2.83	3.14
3-14 (P.R.C.)	Blenheim Blvd.	174+31.99	20.93 RT	n/a			
3-15 (P.R.C.)	Blenheim Blvd.	174+31.99	20.93 RT	n/a	352.00	10.06	10.06
3-15 (P.C.C.)	Blenheim Blvd.	174+41.73	21.00 RT	308.66			
3-16 (P.C.C.)	Blenheim Blvd.	174+41.73	21.00 RT	308.66	671.00	11.13	11.13
3-16 (P.R.C.)	Blenheim Blvd.	174+52.51	21.00 RT	308.07			
3-17 (P.R.C.)	Blenheim Blvd.	174+52.51	21.00 RT	308.07	48.00	34.08	34.84
3-17 (P.R.C.)	Blenheim Blvd.	174+82.80	33.84 RT	306.77			
3-18 (P.R.C.)	Blenheim Blvd.	174+82.80	33.84 RT	306.77	47.00	66.50	73.87
3-18 (P.R.C.)	Blenheim Blvd.	175+45.88	36.17 RT	304.07			
3-19 (P.R.C.)	Blenheim Blvd.	175+45.88	36.17 RT	304.07	48.00	33.09	33.79
3-19 (P.C.C.)	Blenheim Blvd.	175+77.01	25.00 RT	302.35			

REF. NO.	LOCATION				RADIUS	CHORD LENGTH	CURVE LENGTH
SHEET-ITEM	REFERENCE BASELINE	STATION	OFFSET	ELEVATION	FEET	FEET	FEET
3-20 (P.C.)	Blenheim Blvd.	175+61.58	6.40 LT	302.63	1.00	1.62	1.90
3-20 (P.R.C.)	Blenheim Blvd.	175+62.69	7.58 LT	302.56			
3-21 (P.R.C.)	Blenheim Blvd.	175+62.69	7.58 LT	302.56	66.00	8.56	8.56
3-21 (P.T)	Blenheim Blvd.	175+71.20	7.00 LT	302.22			
3-22 (P.C.)	Blenheim Blvd.	175+84.54	7.00 LT	301.61	1.00	1.41	1.57
3-22 (P.T.)	Blenheim Blvd.	175+85.53	6.00 LT	302.08			
3-23 (P.C.)	Blenheim Blvd.	175+85.53	6.00 RT	302.34	1.00	1.41	1.57
3-23 (P.T.)	Blenheim Blvd.	175+84.53	7.00 RT	301.89			
3-24 (P.C.)	Blenheim Blvd.	175+66.19	5.94 RT	302.62	3.00	3.63	3.90
3-24 (P.T.)	Blenheim Blvd.	175+63.49	3.52 RT	302.69			
3-25 (P.C.)	Blenheim Blvd.	175+96.60	7.00 RT	301.41	1.00	1.41	1.56
3-25 (P.T.)	Blenheim Blvd.	175+95.59	6.01 RT	301.94			
3-26 (P.C.)	Blenheim Blvd.	175+95.47	5.99 LT	301.69	1.00	1.42	1.58
3-26 (P.T.)	Blenheim Blvd.	175+96.47	7.00 LT	301.14			
3-27 (P.C.)	Blenheim Blvd.	175+72.26	25.00 LT	301.66	38.00	27.16	27.77
3-27 (P.R.C.)	Blenheim Blvd.	175+46.83	34.81 LT	302.96			
3-28 (P.R.C.)	Blenheim Blvd.	175+46.83	34.81 LT	302.96	47.00	4.32	4.32
3-28 (P.R.C.)	Ridge Avenue	10+35.92	26.53 LT	303.13			
3-29 (P.R.C.)	Ridge Avenue	10+35.92	26.53 LT	303.13	38.00	27.33	27.96
3-29 (P.T.)	Ridge Avenue	10+57.16	15.00 RT	304.76			
3-30 (P.C.)	Blenheim Blvd.	174+60.59	23.67 LT	n/a	28.00	26.50	27.61
3-30 (P.C.C.)	Blenheim Blvd.	174+84.32	37.50 LT	n/a			
3-31 (P.C.C.)	Ridge Avenue	10+39.23	30.87 LT	307.81	33.00	29.81	30.93
3-31 (P.T.)	Ridge Avenue	10+69.90	18.00 LT	305.24			
3-32 (P.C.)	Ridge Avenue	10+46.19	6.81 LT	305.17	1.00	1.88	2.43
3-32 (P.R.C.)	Ridge Avenue	10+47.60	8.16 LT	305.18			
3-33 (P.R.C.)	Ridge Avenue	10+47.60	8.16 LT	305.18	48.00	15.59	15.66
3-33 (P.R.C)	Ridge Avenue	10+62.84	3.49 LT	304.82			
3-34 (P.R.C.)	Ridge Avenue	10+62.84	3.49 LT	304.82	1.00	1.41	1.56
3-34 (P.T.)	Ridge Avenue	10+63.68	2.37 LT	304.83			
3-35 (P.C.)	Ridge Avenue	10+63.47	0.84 LT	304.84	1.00	1.42	1.57
3-35 (P.T.)	Ridge Avenue	10+62.34	0.02 RT	304.83			
3-36 (P.C.)	Ridge Avenue	10+50.38	1.63 LT	304.87	3.00	2.80	2.91
3-36 (P.T.)	Ridge Avenue	10+48.00	3.20 LT	304.96			

TRUCK APRON TYPICAL

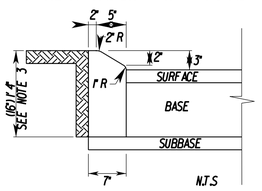


LEGEND

(1) Surface Course - (2") Asph. Conc., Type SM-9.5D estimated @ 238 lbs/ sq.yd.
(1A) Intermediate Course - (2") Asph. Conc., Type IM-19.0A
(1B) Existing Pavement - Min. 2" Mill req'd., replace with 2" SM-9.5D, estimated @ 238 lbs/sq.yd.
(2) Base Course - (8") Asph. Conc., Type BM-25.0A
(3) Subbase Course - (8") Aggr. Base Material, Type I, Size No. 21B
(4) (10.0') Plain Jointed Concrete Pavement Standard PR-2 with max. 15' joint spacing

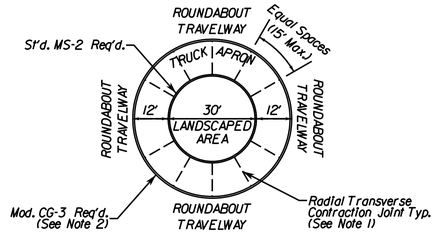
CG-3 MODIFIED

FOR USE ON ROUNDABOUT TRUCK APRONS ONLY



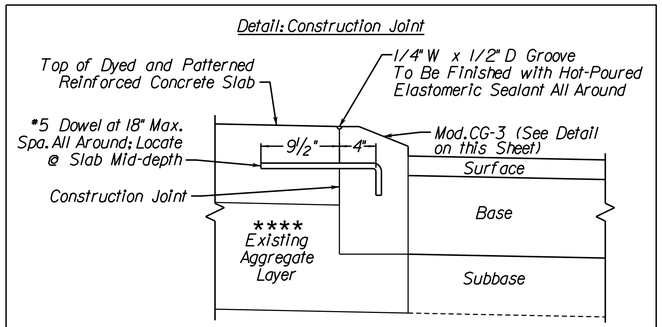
NOTES:
1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (1.5" DEPTH) OR INCREASED AS MUCH AS 3" (1.5" DEPTH) IN ORDER THAT THE BOTTOM OF THE CURB WILL COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENT'S SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 16" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
4. THE MODIFICATION TO THE STANDARD CG-3 IS TO REDUCE THE EXPOSED HEIGHT OF THE CURB AS SHOWN. MODIFIED CURB SHALL BE PAID FOR AS STANDARD CG-3.

12' TRUCK APRON JOINT DETAIL



NOTES:
1. Truck apron contraction joints shall have the load transfer device and shall be per VDOT Road and Bridge Standard Detail PR-2.
2. See this sheet for Modified CG-3 details and load transfer device between Modified CG-3 and truck apron.

Detail: Construction Joint



* See VDOT St'd. PR-2 for Contraction Joint detail. Provide dowels, groove, and sealant per the standard detail. The dowels shall be installed normal to the joint.

** 10" Reinforced Hydraulic Cement Concrete Slab Dyed and Stamped. The Concrete Slab shall be reinforced with steel bars as shown on the detail matching the plan shape of the slab between the joints with 2" clearance from the joints.

*** The specified edge bars are only required for the roundabout median slab, and they shall be deformed and conform to ASTM A615 Grade 60. Place the edge bars at mid-depth of the slab.

**** Contractor shall mill the entire existing asphalt pavement depth within the limits of the truck apron of the Roundabout, up to the existing subbase, and shall construct 10" of concrete apron as shown in this detail and on Inset "G" sheet 2A(4) on top of the existing subbase. Contractor shall ensure that a minimum of 5" existing subbase has been maintained. The cost, labor, materials, equipment and disposal of materails to perform this milling shall be included in cost of regular milling/overlaying of this project and shall be incidental and not paid for separately.

Note :
All items associated with construction of the roundabout concrete slab including but not limited to the concrete slab appron, *5, *6 bars shall be included in the unit cost for SY of REINFORCED HYDR.CEMENT CONC. APRON PAVEMENT 10"

COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(2)

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(2)

4/22/2025

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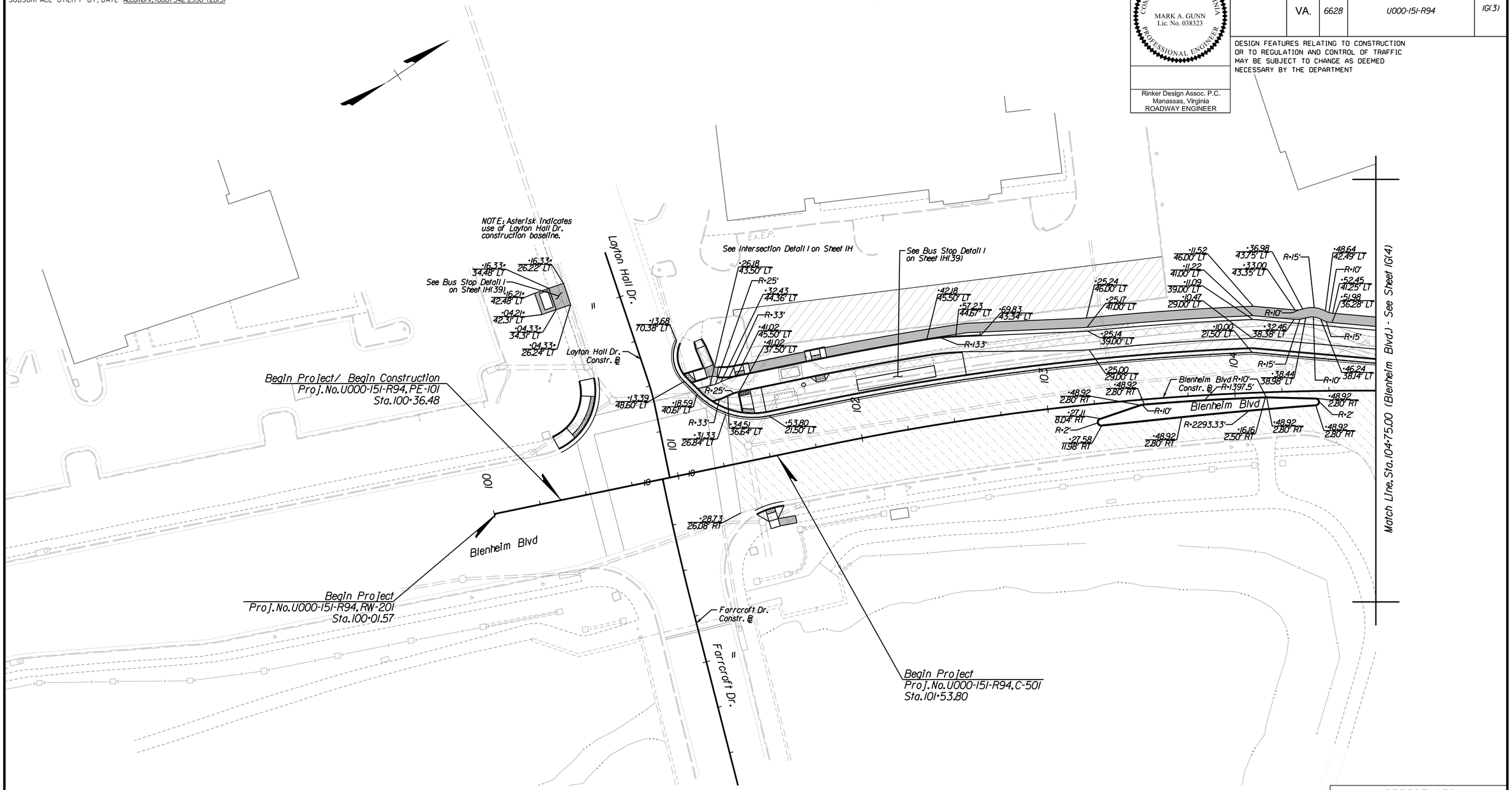
Geometric Data

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(3)

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	IH - IH(1)
Bus Stop Details	IH(39) - IH(40)
Roadway Design Plans	3

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(3)

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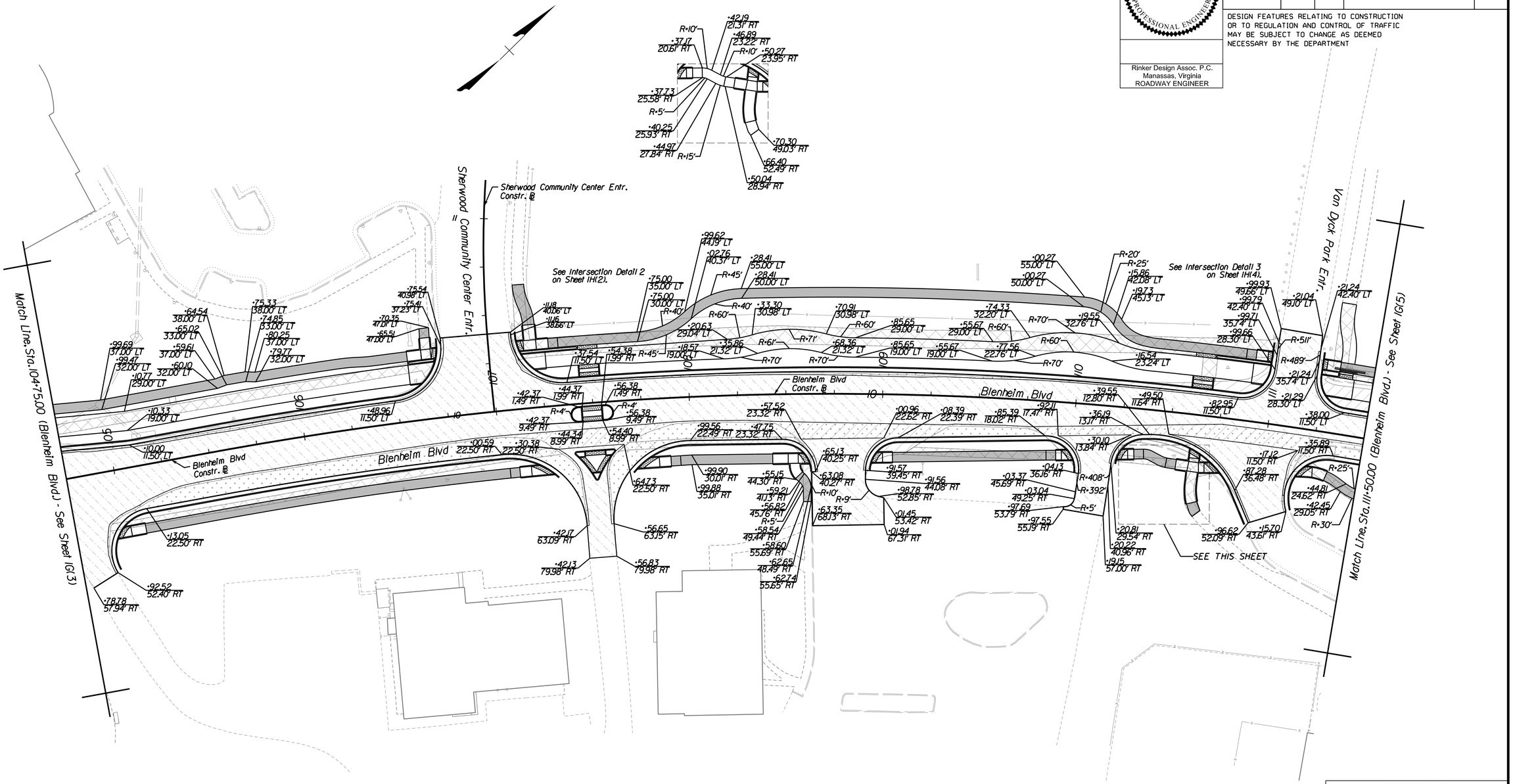
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	VA.	6628	U000-151-R94	1G(4)

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(5)
Intersection Details	1H(2) - 1H(5)
Roadway Design Plans	4

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(4)

FINAL PLANS

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	VA.	6628	U000-151-R94	1G(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Saint Leo the Great Catholic Church
Saint Leo the Great Catholic School
Daniels Run Elementary School
Blenheim Blvd
Blenheim Blvd Constr. ℄
Match Line, Sta. 111+50.00 (Blenheim Blvd.) - See Sheet 1G(4)
Match Line, Sta. 119+00.00 (Blenheim Blvd.) - See Sheet 1G(6)
See Intersection Detail 4 on Sheet 1H(6).
See Bus Stop Detail 2 on Sheet 1H(41)
See Intersection Detail 5 on Sheet 1H(8).
See Intersection Detail 6 on Sheet 1H(10).
See Sidewalk Detail on Sheet 2A(10)
Entr. at Daniels Run E.S. Constr. ℄
Entr. at Daniels Run E.S. Constr. ℄
NOTE: Asterisk indicates use of Daniels Run E.S. construction baseline.

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	1H(6) - 1H(11)
Bus Stop Details	1H(41)
Sidewalk Details	2A(10)
Roadway Design Plans	5

SCALE 0 25' 50' | PROJECT U000-151-R94 | SHEET NO. 1G(5)

4/22/2025

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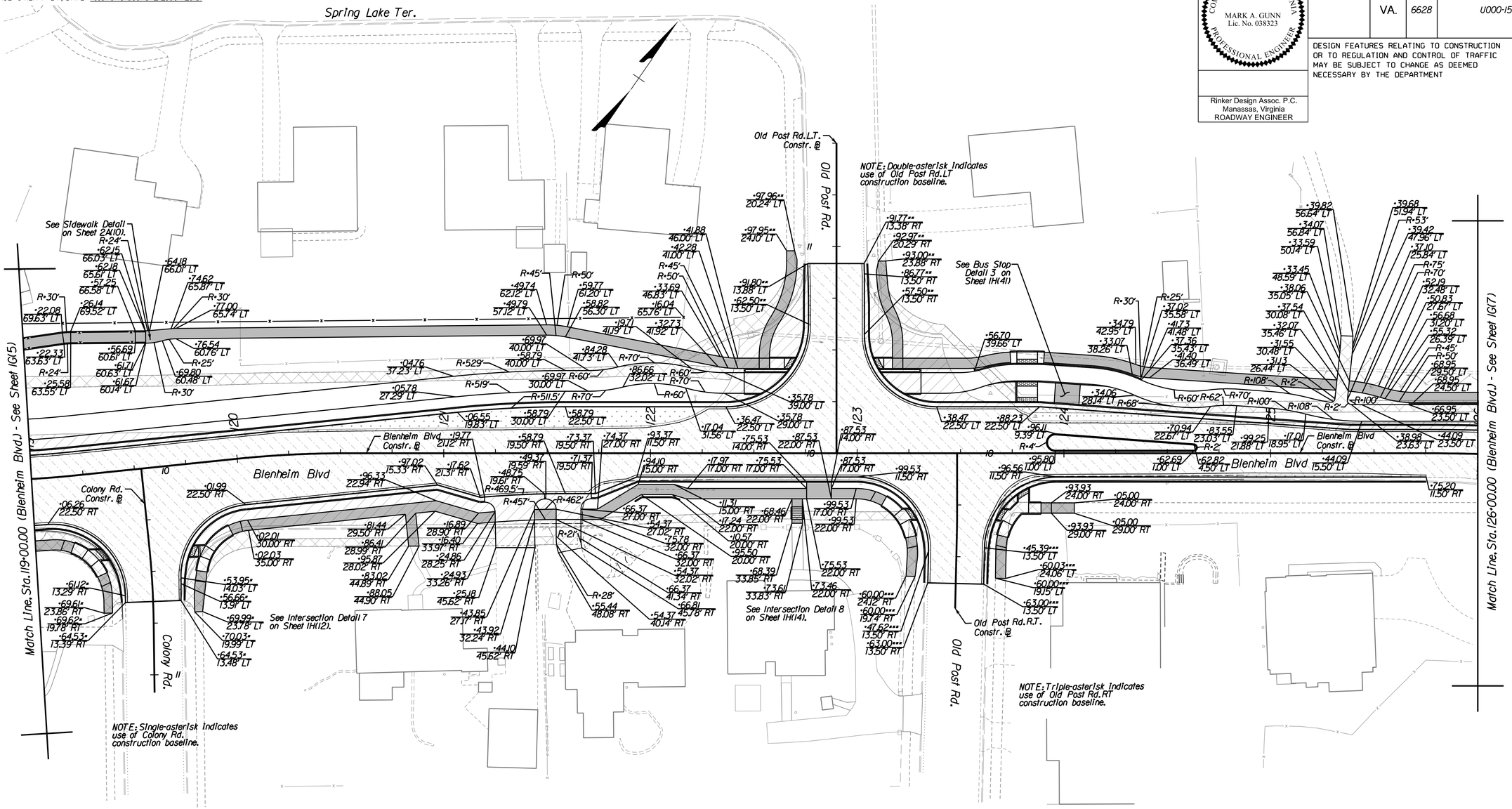
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(6)

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	1H(12) - 1H(15)
Bus Stop Details	1H(41)
Sidewalk Details	2A(10)
Roadway Design Plans	6

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(6)

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(7)

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NOTE: Single-asterisk indicates use of Heritage Ln.LT construction baseline.

See Intersection Detail 9 on Sheet 1H(16).

Heritage Ln.LT. Constr. @

Blenheim Blvd

Blenheim Blvd Constr. @

Match Line, Sta.126+00.00 (Blenheim Blvd.) - See Sheet 1G(6)

Heritage Ln.

Heritage Ln.R.T. Constr. @

NOTE: Double-asterisk indicates use of Heritage Ln.RT construction baseline.

See Intersection Detail 10 on Sheet 1H(18).

Parklane Rd.

Parklane Rd. Constr. @

NOTE: Triple-asterisk indicates use of Parklane Rd. construction baseline.

Blenheim Blvd

Blenheim Blvd Constr. @

Embassy Ln. Constr. @

See Intersection Detail 11 on Sheet 1H(20).

NOTE: Quadruple-asterisk indicates use of Embassy Ln. construction baseline.

Embassy Ln.

Match Line, Sta.133+75.00 (Blenheim Blvd.) - See Sheet 1G(8)

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	1H(16) - 1H(21)
Roadway Design Plans	7

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(7)

4/22/2025

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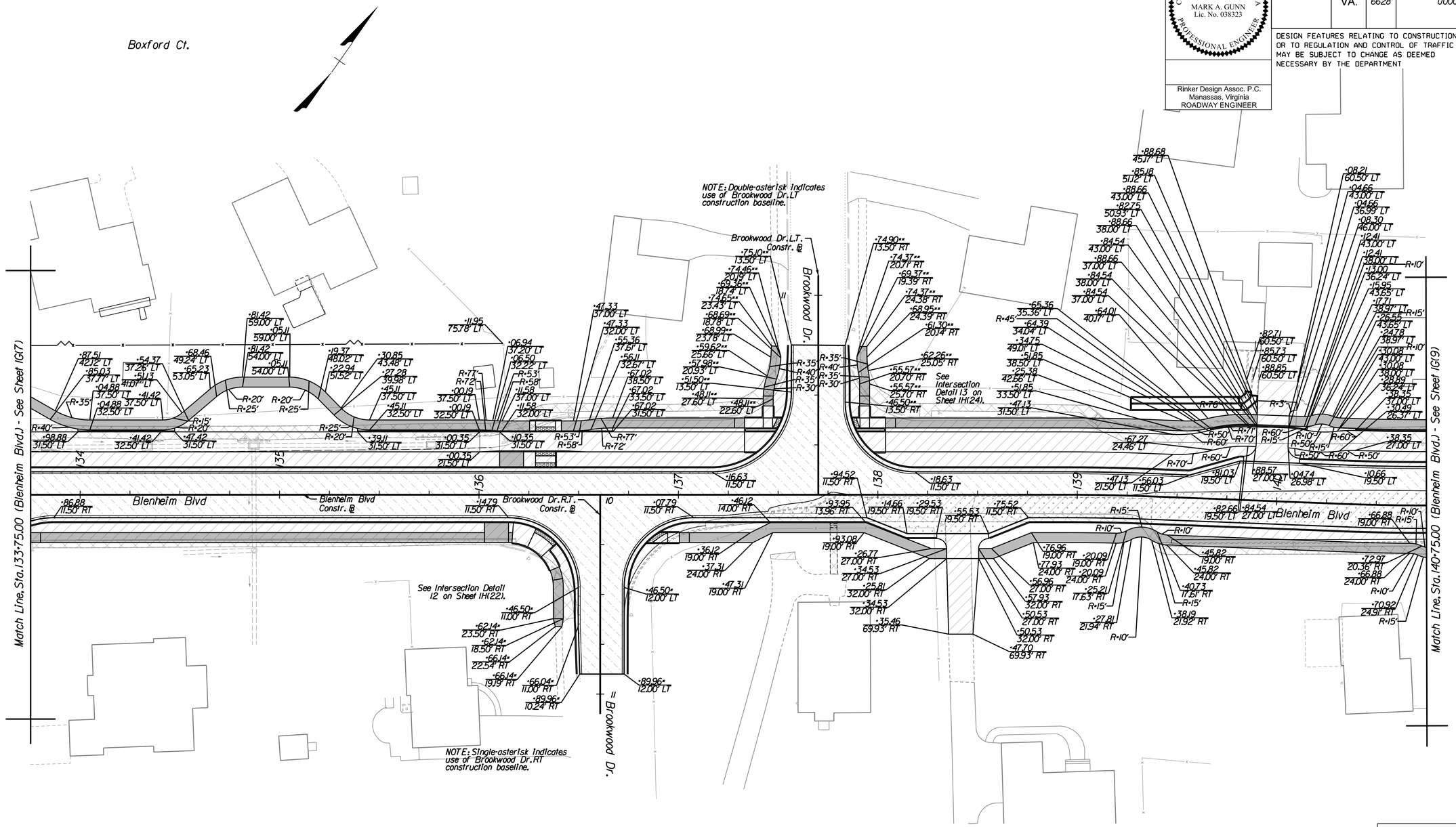
Geometric Data

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(8)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	1H(22) - 1H(25)
Roadway Design Plans	8

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(8)

4/22/2025

FINAL PLANS | THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

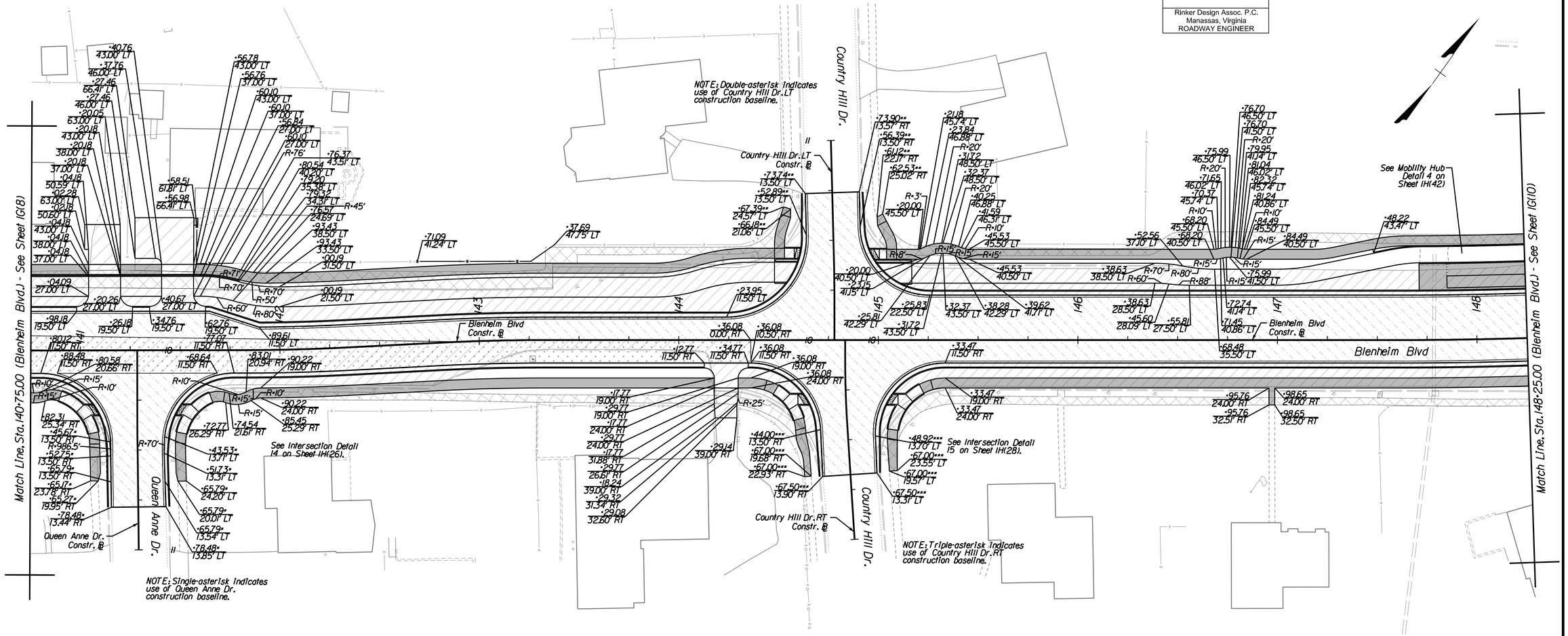
Geometric Data

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(9)

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	1H(26) - 1H(29)
Mobility Hub Details	1H(42)
Roadway Design Plans	9

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	1G(9)

4/22/2025

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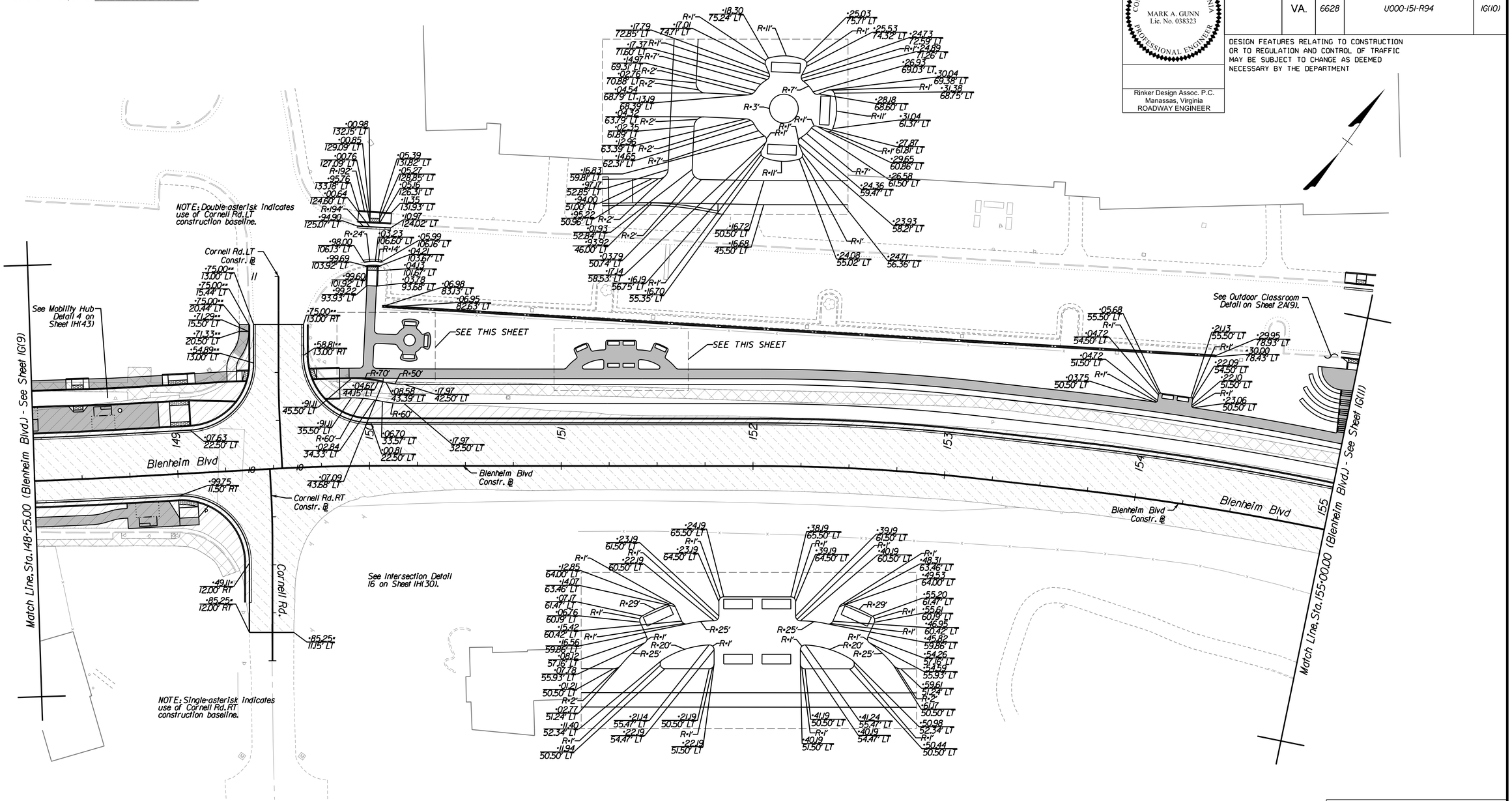
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(10)

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	IG(15)
Intersection Details	IH(30) - IH(31)
Mobility Hub Details	IH(42) - IH(43)
Outdoor Classroom Details	2A(9)
Roadway Design Plans	10

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	IG(10)

4/22/2025

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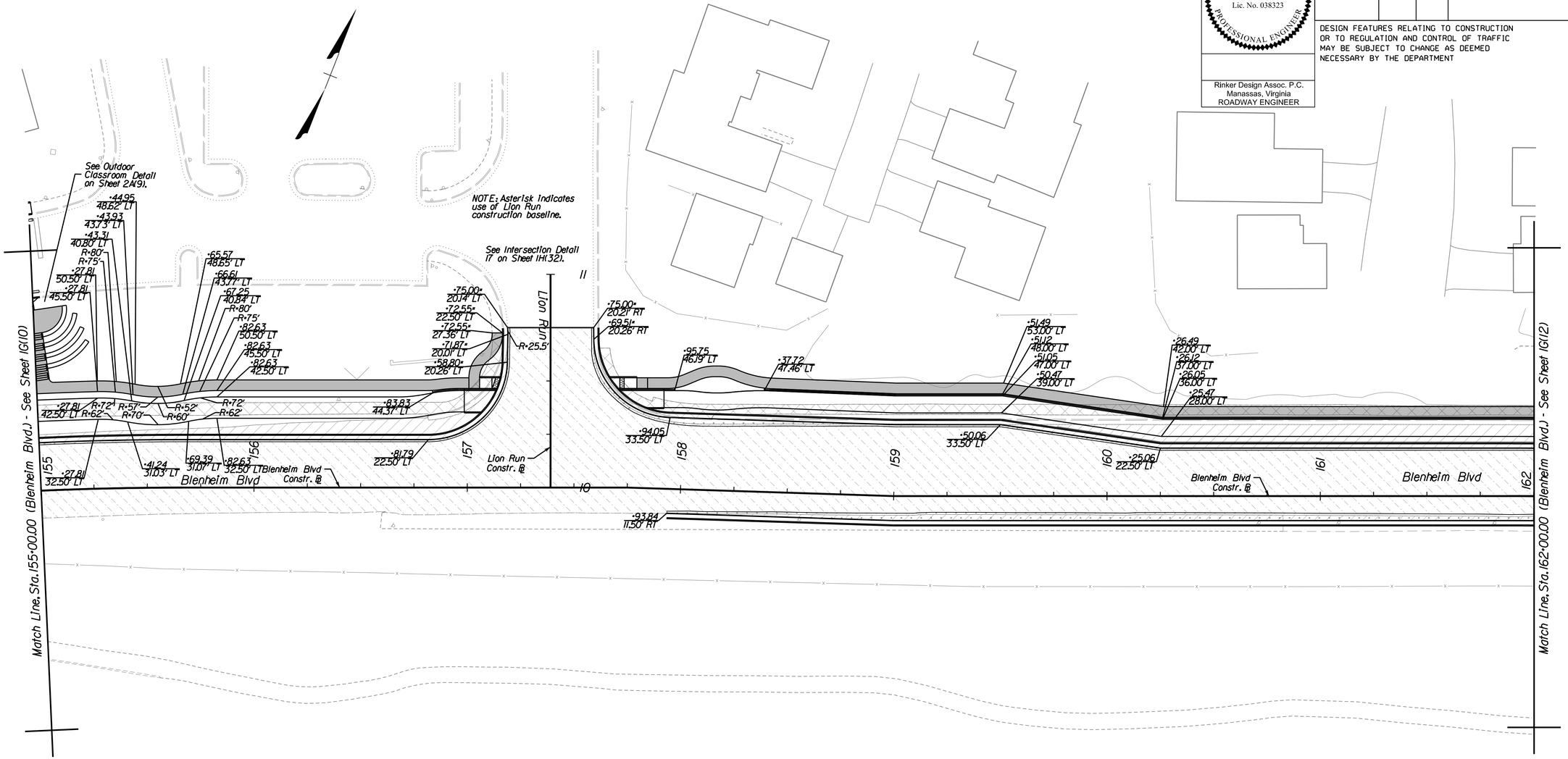
Geometric Data

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(11)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	IG(15)
Intersection Details	1H(32) - 1H(33)
Outdoor Classroom Details	2A(9)
Roadway Design Plans	11

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	IG(11)

4/22/2025

FINAL PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1G(12)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

NOTE: Single-asterisk indicates use of Great Oaks Dr.SB construction baseline.

NOTE: Double-asterisk indicates use of Great Oaks Dr.NB construction baseline.

Great Oaks Dr.
Great Oaks Dr.SB Constr. ℄
Great Oaks Dr.NB Constr. ℄
Blenheim Blvd
Blenheim Blvd Constr. ℄
Asphalt Sidewalk
See Bus Stop Detail 5 on Sheet 1H(44)
See Intersection Detail 18 on Sheet 1H(34).
See Bus Stop Detail 6 on Sheet 1H(44)
Match Line, Sta. 162+00.00 (Blenheim Blvd.) - See Sheet 1G(11)
Match Line, Sta. 169+25.00 (Blenheim Blvd.) - See Sheet 1G(13)

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Radial Offset & Bullet Nose Data	1G(15)
Intersection Details	1H(34) - 1H(35)
Bus Stop Details	1H(44)
Roadway Design Plans	12

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	1G(12)

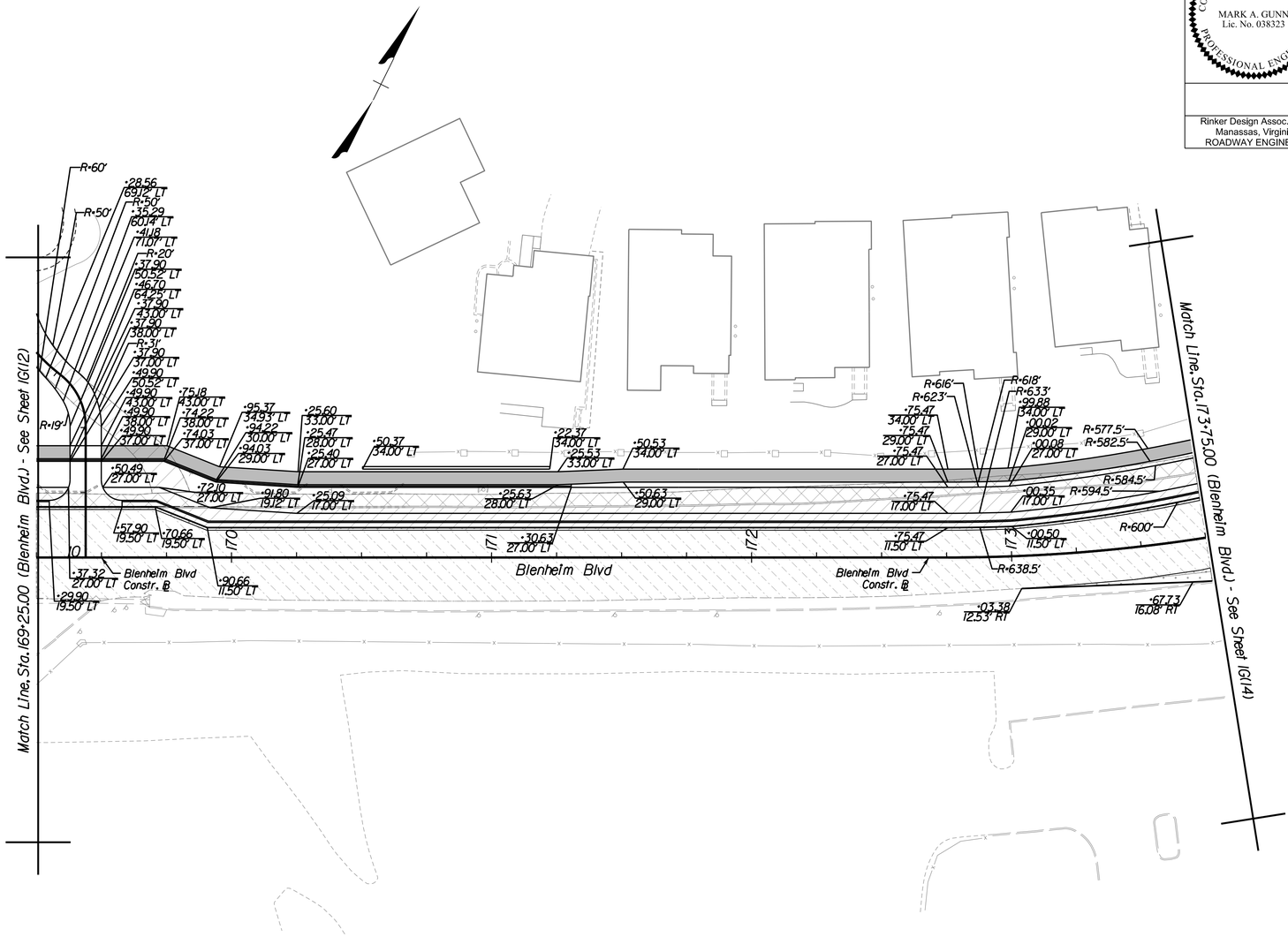
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Geometric Data



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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(13)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	13

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-R94	IG(13)

4/22/2025

FINAL PLANS

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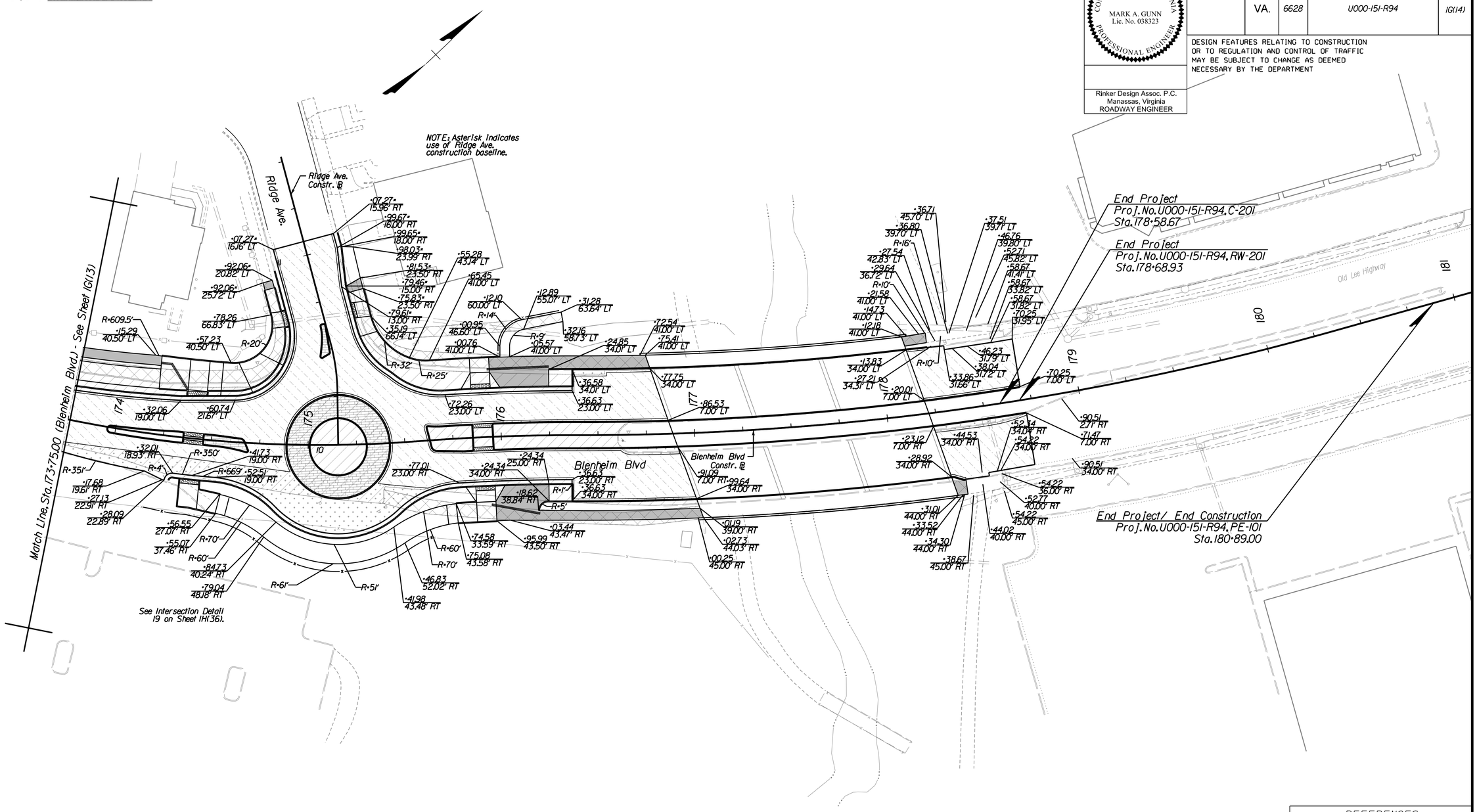
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(14)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roundabout Details	IG(2)
Radial Offset & Bullet Nose Data	IG(5)
Intersection Details	IH(36) - IH(38)
Roadway Design Plans	14

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-R94	IG(14)

4/22/2025

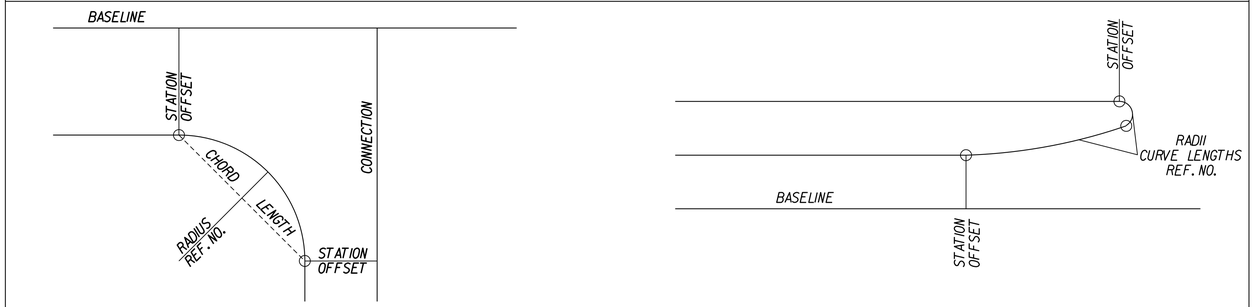
FINAL PLANS

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RADIAL OFFSETS & BULLET NOSE DATA

BULLET NOSE & RADIAL OFFSETS DATA



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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IG(15)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

LOCATION (REF. NO.)	BASELINE			CONNECTION			RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
SHEET - ITEM	STATION	OFFSET	ALIGNMENT	STATION	OFFSET	ALIGNMENT	FEET	FEET	FEET
3-1	100+46.14	26.43' LT	Blenheim Blvd	101+58.07	25.62' LT	Layton Hall Dr	36.50	36.27	37.95
3-2	101+47.23	18.37' RT	Layton Hall Dr	101+68.03	21.04' RT	Layton Hall Dr	18.67	21.84	23.33
3-3	101+53.80	21.50' LT	Blenheim Blvd	101+40.26	23.18' RT	Layton Hall Dr	42.00	40.07	41.77
4-1	106+13.05	22.50' RT	Blenheim Blvd	104+92.34	51.90' RT	Blenheim Blvd	22.00	35.97	42.10
4-2	106+48.96	11.50' LT	Blenheim Blvd	106+75.41	37.24' LT	Blenheim Blvd	27.00	37.15	40.97
4-3	107+37.54	11.50' LT	Blenheim Blvd	107+11.16	38.66' LT	Blenheim Blvd	27.00	38.14	42.35
4-4	107+00.59	22.50' RT	Blenheim Blvd	107+42.17	63.09' RT	Blenheim Blvd	40.00	57.33	63.92
4-5	107+99.56	22.49' RT	Blenheim Blvd	107+56.65	63.15' RT	Blenheim Blvd	40.00	58.31	65.33
4-6	108+23.32	23.32' RT	Blenheim Blvd	108+65.13	40.25' RT	Blenheim Blvd	17.00	24.02	26.67
4-7	109+08.39	22.39' RT	Blenheim Blvd	108+91.57	39.45' RT	Blenheim Blvd	17.00	23.74	26.28
4-8	109+85.39	18.02' RT	Blenheim Blvd	110+04.13	36.16' RT	Blenheim Blvd	17.00	25.85	29.37
4-9	110+36.19	13.17' RT	Blenheim Blvd	110+20.81	29.54' RT	Blenheim Blvd	17.00	22.32	24.35
4-10	110+39.55	12.80' RT	Blenheim Blvd	110+87.28	36.48' RT	Blenheim Blvd	47.00	52.65	55.88
4-11	110+82.95	11.50' LT	Blenheim Blvd	110+99.66	28.30' LT	Blenheim Blvd	17.00	23.84	26.42
4-12	111+38.00	11.50' LT	Blenheim Blvd	111+21.29	28.30' LT	Blenheim Blvd	17.00	23.84	26.42
4-13	111+35.89	11.50' RT	Blenheim Blvd	111+13.49	35.28' RT	Blenheim Blvd	22.00	32.45	36.49
5-1	111+58.72	11.50' LT	Blenheim Blvd	111+75.47	28.40' LT	Blenheim Blvd	17.00	23.91	26.52
5-2	112+13.47	11.50' LT	Blenheim Blvd	111+96.47	28.54' LT	Blenheim Blvd	17.00	24.07	26.74
5-3	114+81.53	11.50' LT	Blenheim Blvd	114+98.53	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-4	115+35.53	11.50' LT	Blenheim Blvd	115+18.53	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-5	115+42.34	11.50' LT	Blenheim Blvd	115+59.34	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-6	115+96.34	11.50' LT	Blenheim Blvd	115+79.34	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-7	116+40.40	11.50' LT	Blenheim Blvd	116+57.40	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-8	116+94.40	11.50' LT	Blenheim Blvd	116+77.40	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-9	116+28.12	17.99' RT	Blenheim Blvd	116+48.32	60.74' RT	Blenheim Blvd	27.00	47.28	57.59
5-10	116+90.14	21.90' RT	Blenheim Blvd	116+77.39	33.69' RT	Blenheim Blvd	12.00	17.37	19.42
5-11	117+01.40	11.50' LT	Blenheim Blvd	117+18.40	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-12	117+55.40	11.50' LT	Blenheim Blvd	117+38.40	28.50' LT	Blenheim Blvd	17.00	24.04	26.70
5-13	116+98.08	22.40' RT	Blenheim Blvd	117+08.31	39.19' RT	Blenheim Blvd	12.00	19.67	23.05
5-14	117+67.36	22.50' RT	Blenheim Blvd	117+43.49	38.65' RT	Blenheim Blvd	27.00	28.81	30.39
6-1	119+06.26	22.50' RT	Blenheim Blvd	10+61.12	13.29' RT	Colony Rd	35.00	50.94	57.05
6-2	120+01.99	22.50' RT	Blenheim Blvd	10+53.95	14.03' LT	Colony Rd	35.00	47.32	51.96
6-3	122+36.47	22.50' LT	Blenheim Blvd	10+62.50	13.50' LT	Old Post Rd	40.00	56.57	62.83
6-4	123+38.47	22.50' LT	Blenheim Blvd	10+57.50	13.50' RT	Old Post Rd	35.00	49.50	54.98
6-5	122+99.53	11.50' RT	Blenheim Blvd	10+47.62	13.50' RT	Old Post Rd	35.00	50.06	55.78
6-6	123+96.56	11.50' RT	Blenheim Blvd	10+45.39	13.50' LT	Old Post Rd	35.00	48.93	54.17
7-1	126+26.63	11.50' LT	Blenheim Blvd	126+51.59	38.00' LT	Blenheim Blvd	25.00	36.40	40.77
7-2	127+07.35	11.50' LT	Blenheim Blvd	126+82.30	34.30' LT	Blenheim Blvd	25.00	33.83	37.16
7-3	127+21.86	11.50' RT	Blenheim Blvd	126+87.83	49.17' RT	Blenheim Blvd	35.00	51.03	57.19
7-4	129+66.80	11.50' RT	Blenheim Blvd	10+52.90	11.32' RT	Parklane Rd	40.00	57.54	64.22
7-5	130+69.48	11.50' RT	Blenheim Blvd	10+53.30	11.47' LT	Parklane Rd	40.00	56.66	62.96
7-6	132+83.88	11.50' RT	Blenheim Blvd	10+35.40	14.88' RT	Embassy Ln	40.00	43.72	46.26
7-7	133+86.88	11.50' RT	Blenheim Blvd	10+51.50	11.50' LT	Embassy Ln	40.00	56.57	62.83
8-1	136+14.79	11.50' RT	Blenheim Blvd	10+46.50	11.00' RT	Brookwood Dr	35.00	49.50	54.98
8-2	137+07.79	11.50' RT	Blenheim Blvd	10+46.50	12.00' LT	Brookwood Dr	35.00	49.50	54.98
8-3	137+16.63	11.50' LT	Blenheim Blvd	10+51.50	13.50' LT	Brookwood Dr	40.00	56.57	62.83
8-4	138+18.63	11.50' LT	Blenheim Blvd	10+46.50	13.50' RT	Brookwood Dr	35.00	49.50	54.98
9-1	140+80.12	11.50' RT	Blenheim Blvd	10+45.67	13.50' RT	Queen Anne Dr	35.00	49.04	54.34
9-2	141+77.07	11.50' RT	Blenheim Blvd	10+43.53	13.71' LT	Queen Anne Dr	35.00	47.15	51.74
9-3	144+23.95	11.50' LT	Blenheim Blvd	10+52.89	13.50' LT	Country Hill Dr	40.00	57.30	63.87
9-4	145+25.83	22.50' LT	Blenheim Blvd	10+56.39	13.50' RT	Country Hill Dr	35.00	48.95	54.21
9-5	144+36.08	11.50' RT	Blenheim Blvd	10+44.00	13.50' RT	Country Hill Dr	35.00	48.31	53.32
9-6	145+33.47	11.50' RT	Blenheim Blvd	10+48.92	13.70' LT	Country Hill Dr	35.00	50.55	56.48
10-1	149+07.63	22.50' LT	Blenheim Blvd	149+42.58	55.58' LT	Blenheim Blvd	35.00	48.12	53.05
10-2	150+00.81	22.50' LT	Blenheim Blvd	149+67.73	58.23' LT	Blenheim Blvd	35.00	49.60	55.13
10-3	148+99.75	11.50' RT	Blenheim Blvd	10+49.11	12.00' RT	Cornell Rd	35.00	50.84	56.90
11-1	156+81.79	22.50' LT	Blenheim Blvd	10+58.80	20.26' LT	Llon Run	37.00	51.83	57.42

LOCATION (REF. NO.)	BASELINE			CONNECTION			RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
SHEET - ITEM	STATION	OFFSET	ALIGNMENT	STATION	OFFSET	ALIGNMENT	FEET	FEET	FEET
11-2	157+94.05	33.50' LT	Blenheim Blvd	10+69.51	20.26' RT	Llon Run	37.00	51.23	56.59
12-1	162+36.57	22.50' LT	Blenheim Blvd	10+48.71	12.29' LT	Great Oak Dr	37.00	45.37	48.85
12-2	163+11.85	22.50' LT	Blenheim Blvd	10+44.23	11.75' RT	Great Oak Dr	17.00	26.32	30.10
12-3	163+19.26	22.47' LT	Blenheim Blvd	10+46.61	11.56' LT	Great Oak Dr	17.00	27.68	32.34
12-4	163+97.87	19.61' LT	Blenheim Blvd	10+44.02	14.24' RT	Great Oak Dr	37.00	42.70	45.51
14-1	174+60.74	21.67' LT	Blenheim Blvd	174+86.13	36.45' LT	Blenheim Blvd	30.00	28.40	29.58
14-2	10+40.60	27.17' LT	Ridge Ave	10+69.90	16.00' LT	Ridge Ave	35.00	28.58	29.45
14-3	10+34.67	25.30' RT	Ridge Ave	10+57.16	13.00' RT	Ridge Ave	40.00	28.77	29.43
14-4	175+72.26	23.00' LT	Blenheim Blvd	175+45.43	33.31' LT	Blenheim Blvd	40.00	28.58	29.23
14-5	174+52.51	19.00' RT	Blenheim Blvd	174+84.13	32.41' RT	Blenheim Blvd	50.00	35.50	36.29
14-6	175+77.01	23.00' RT	Blenheim Blvd	175+44.66	34.64' LT	Blenheim Blvd	50.00	34.45	35.19

LOCATION (REF. NO.)	BASELINE			CONNECTION			RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
SHEET - ITEM	STATION	OFFSET	ALIGNMENT	STATION	OFFSET	ALIGNMENT	FEET	FEET	FEET
3-4	103+27.11	8.04' RT	Blenheim Blvd	104+42.90	3.83' RT	Blenheim Blvd	2.00	3.97	5.83
3-5	103+27.58	11.98' RT	Blenheim Blvd	104+42.93	7.82' RT	Blenheim Blvd	2.00	4.00	6.09
6-7	123+95.80	1.00' LT	Blenheim Blvd	123+96.11	9.39' LT	Blenheim Blvd	4.20	8.39	13.50
6-8	124+62.69	1.00' LT	Blenheim Blvd	124+62.82	4.50' LT	Blenheim Blvd	1.75	3.50	5.37
12-5	163+79.18	1.00' LT	Blenheim Blvd	163+79.36	8.00' LT	Blenheim Blvd	3.50	7.00	11.18
12-6	164+80.77	1.00' LT	Blenheim Blvd	164+80.83	4.00' LT	Blenheim Blvd	1.50	3.00	4.65
14-7	173+97.58	2.83' RT	Blenheim Blvd	173+97.52	1.16' LT	Blenheim Blvd	2.00	4.00	6.16
14-8	174+67.34	0.48' LT	Blenheim Blvd	174+64.82	2.21' LT	Blenheim Blvd	3.00	3.06	3.21
14-9	174+69.24	3.68' RT	Blenheim Blvd	174+68.10	5.06' RT	Blenheim Blvd	1.00	1.80	2.23
14-10	10+46.14	5.62' LT	Ridge Ave	10+47.51	6.89' LT	Ridge Ave	1.00	1.88	2.43
14-11	10+47.46	2.00' LT	Ridge Ave	10+48.37	1.32' LT	Ridge Ave	1.00	2.80	2.91
14-12	10+62.40	0.09' LT	Ridge Ave	10+63.49	0.95' LT	Ridge Ave	1.00	1.42	1.57
14-13	10+63.61	1.87' LT	Ridge Ave	10+62.64	3.01' LT	Ridge Ave	1.00	1.41	1.56
14-14	175+61.58	6.40' LT	Blenheim Blvd	175+62.69	7.58' LT	Blenheim Blvd	1.00	1.62	1.90
14-15	175+63.49	3.52' RT	Blenheim Blvd	175+66.19	5.94' RT	Blenheim Blvd	3.00	3.63	3.90

NOT TO SCALE	PROJECT U000-151-R94	SHEET NO. IG(15)

4/22/2025

FINAL PLANS

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SILVER SPRING, MD 20910
PHONE: 301.927.1900
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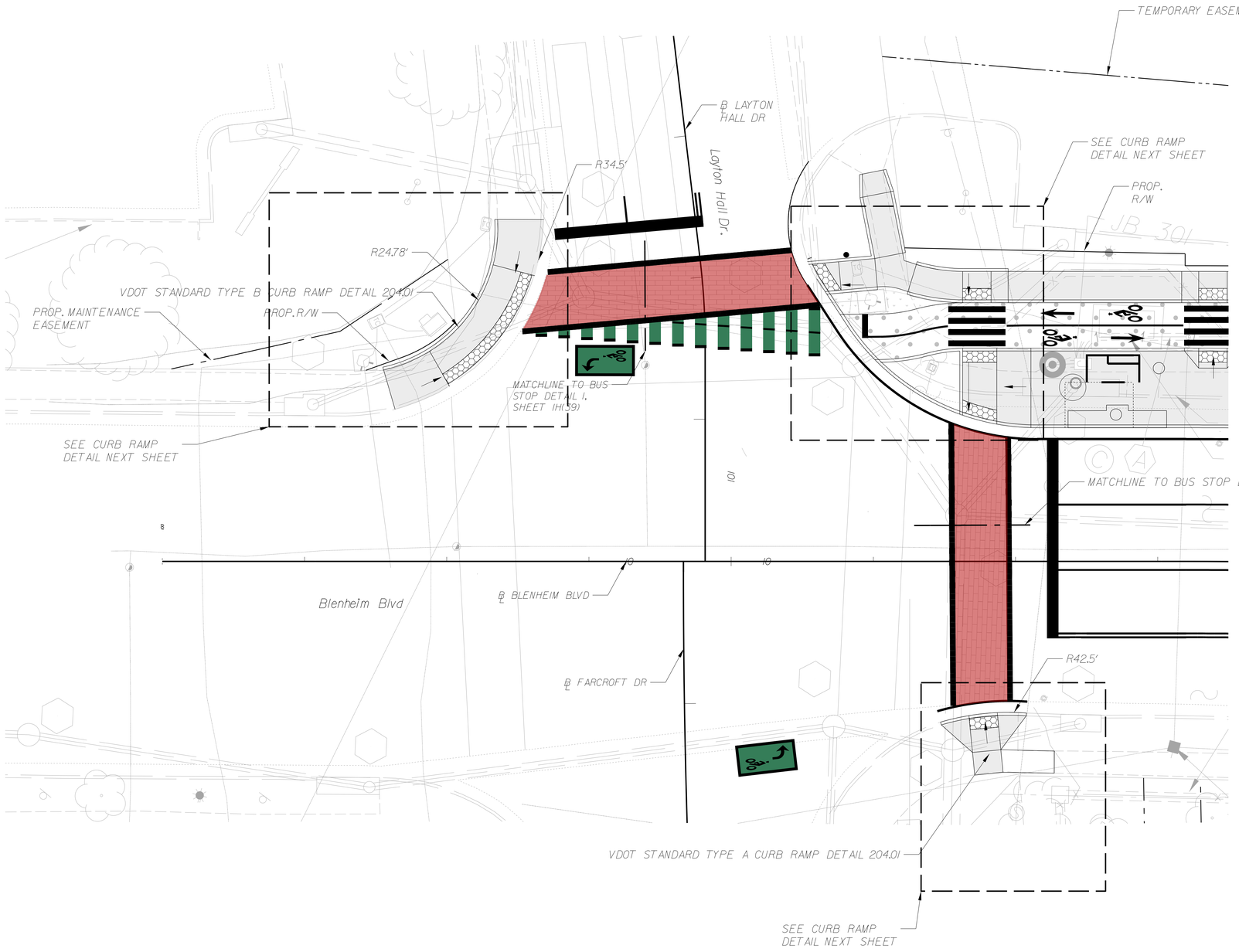
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



SCALE
0 10' 20'

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH

INTERSECTION DETAIL 1

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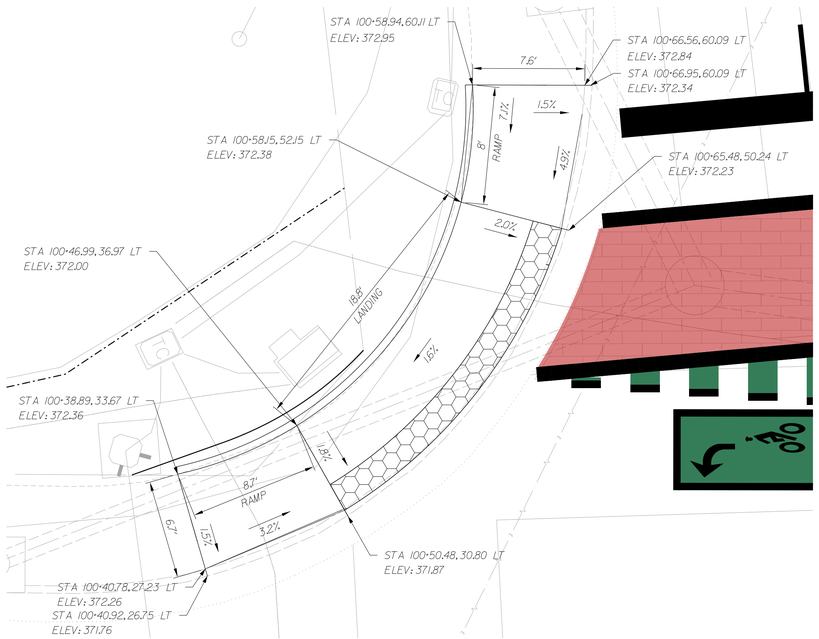
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CURB RAMP DETAIL PLAN

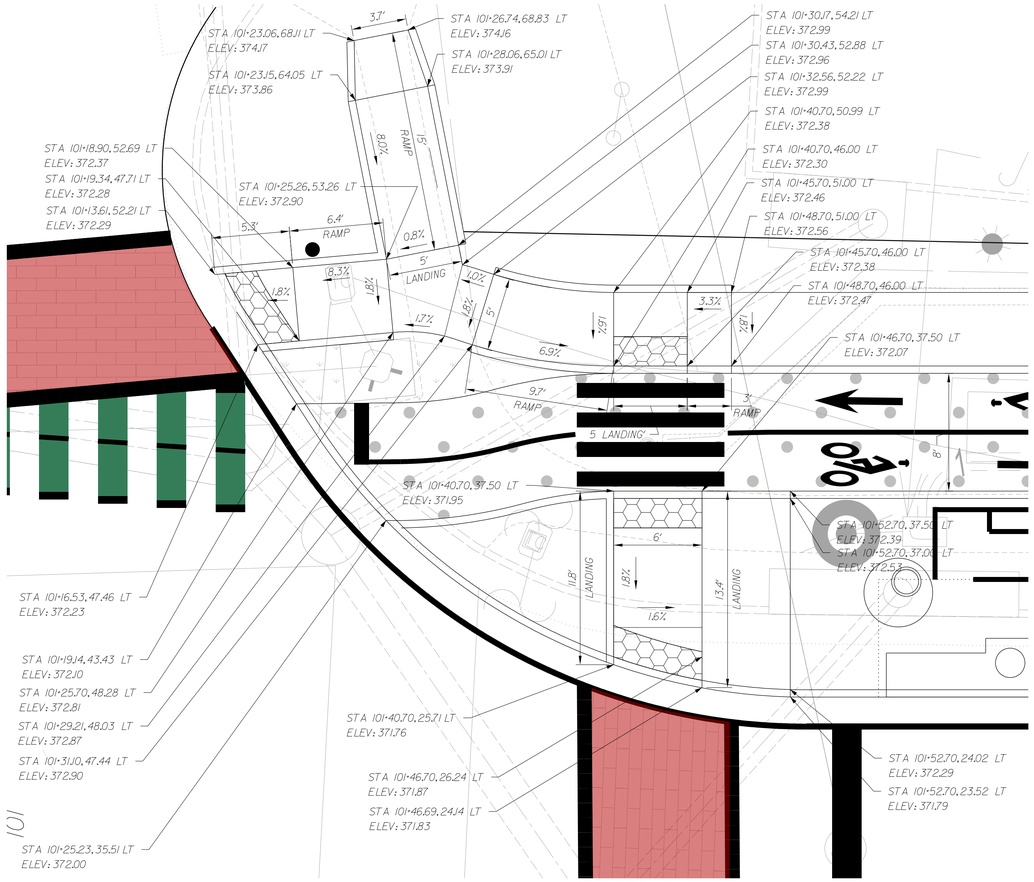
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

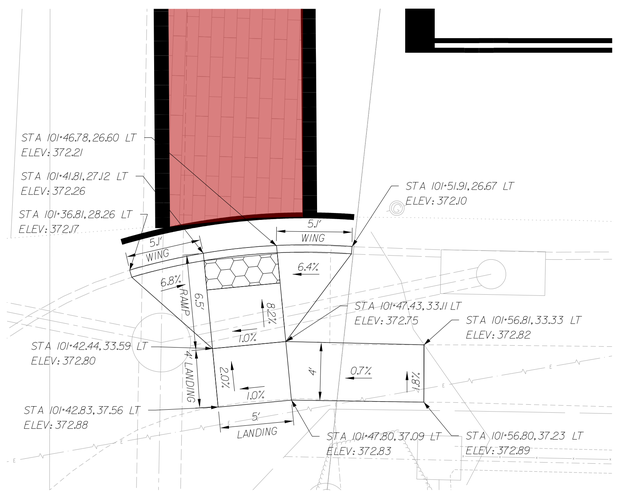
TOOLE DESIGN
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Silver Spring, MD 20910



LAYTON HALL DR



BLENHEIM BLVD



CURB RAMP DETAIL I

SCALE
0 5' 10'

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(1)

FINAL PLANS

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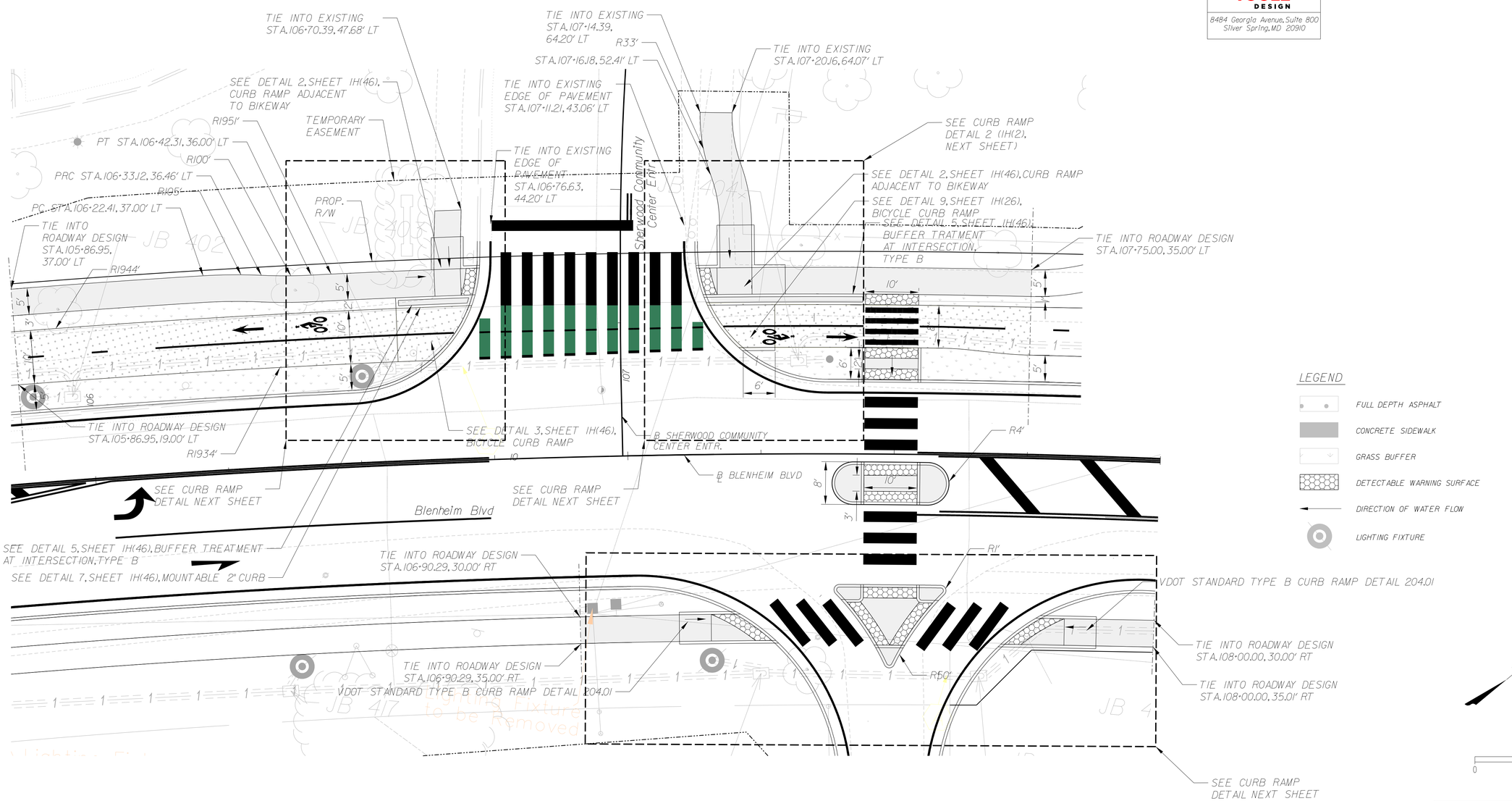
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(2)

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INTERSECTION DETAIL 2

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans 3 - 14
Pavement Marking & Signing Plan 15 - 15(16)
Bus Stop Detail Plan IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(2)

FINAL PLANS

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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

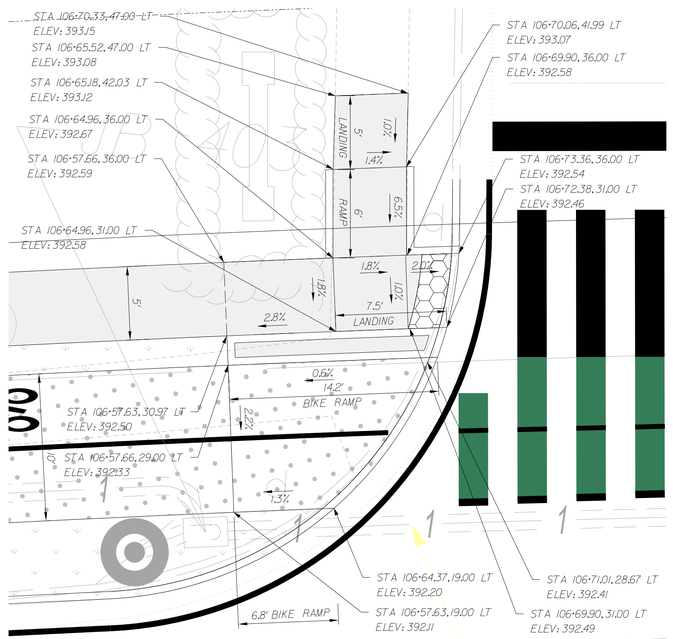
CURB RAMP DETAIL PLAN

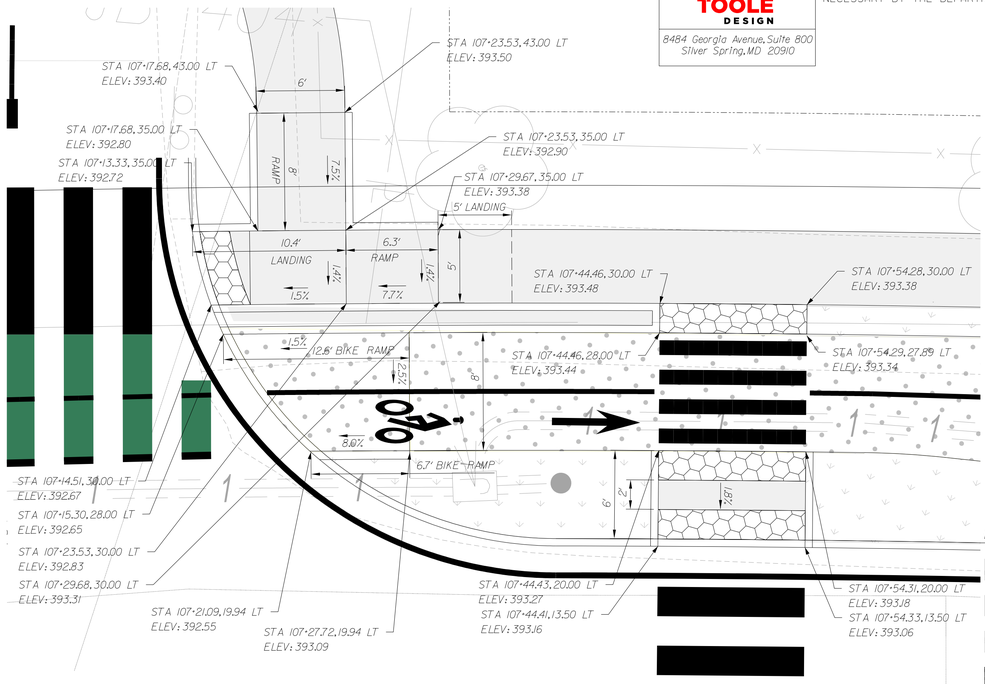
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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SHERWOOD COMMUNITY CENTER ENTRANCE

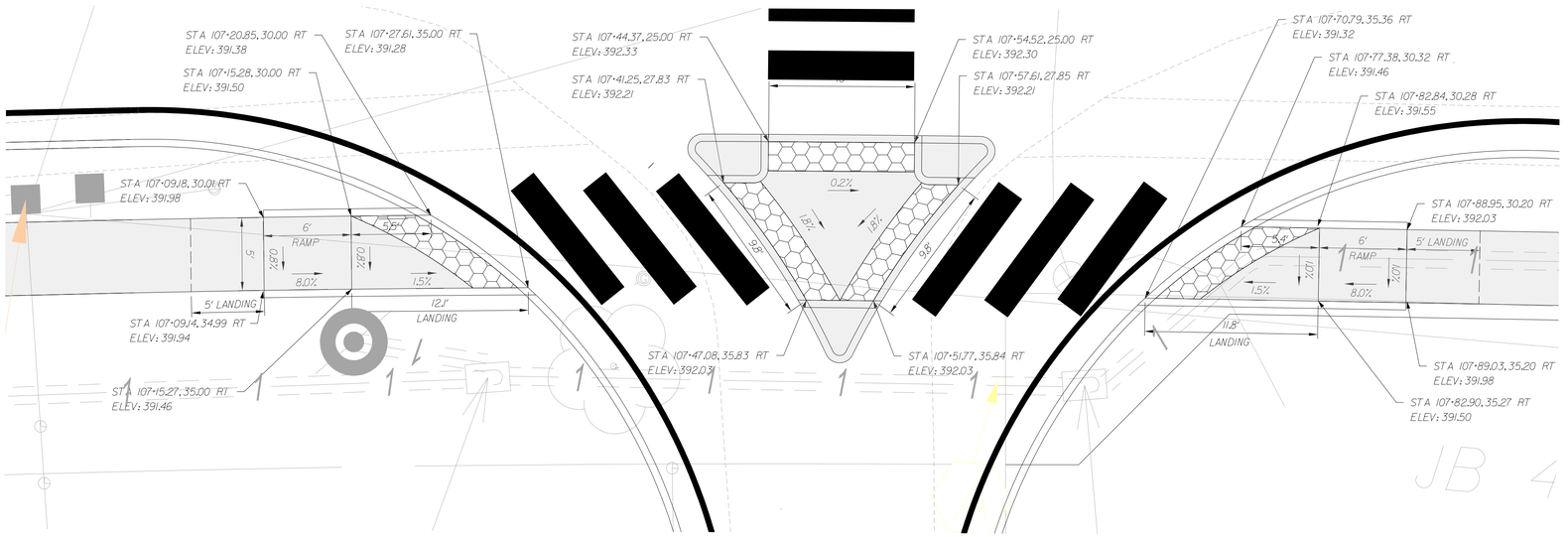




LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE 0 5' 10'



CURB RAMP DETAIL 2

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH(3)

FINAL PLANS

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Plotted By: TonyTrefzger

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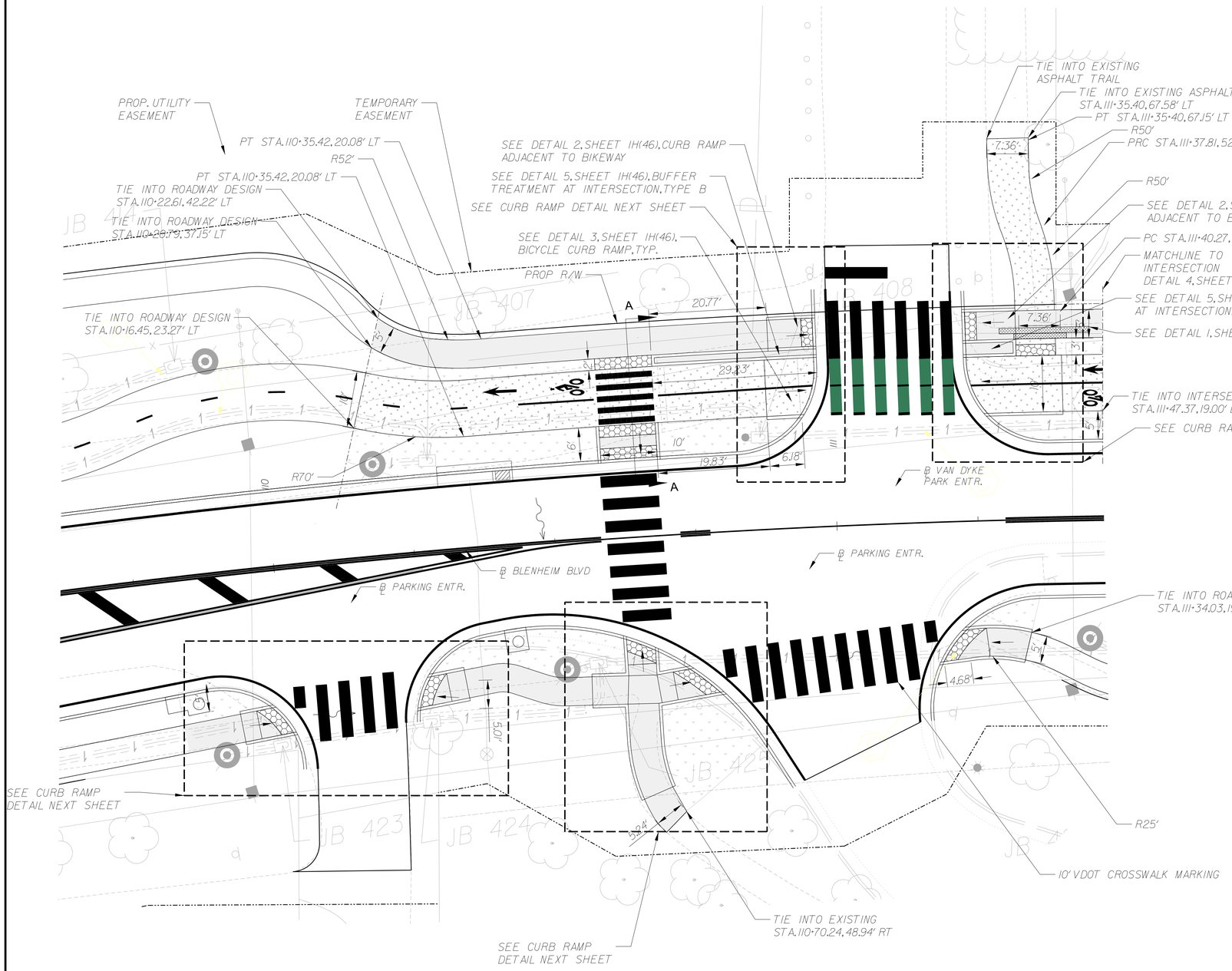
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

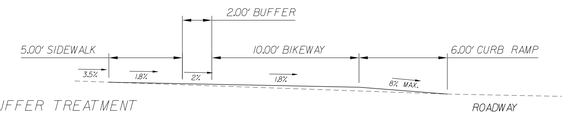
INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(4)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
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Silver Spring, MD 20910





SECTION A-A

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(4)

INTERSECTION DETAIL 3

FINAL PLANS

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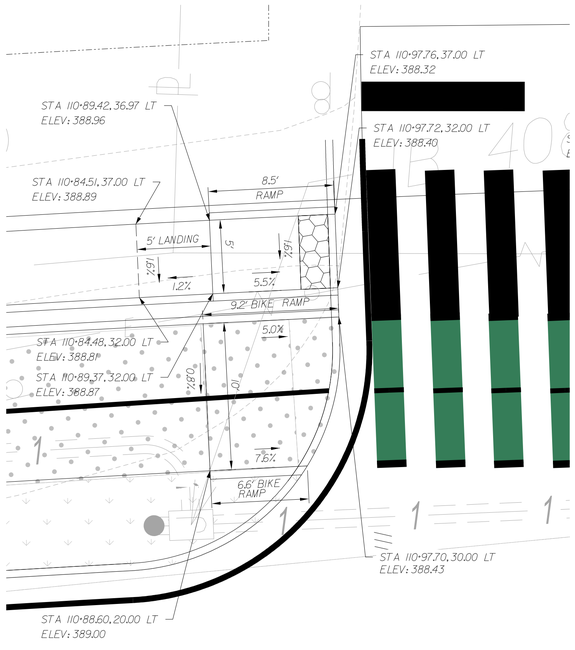
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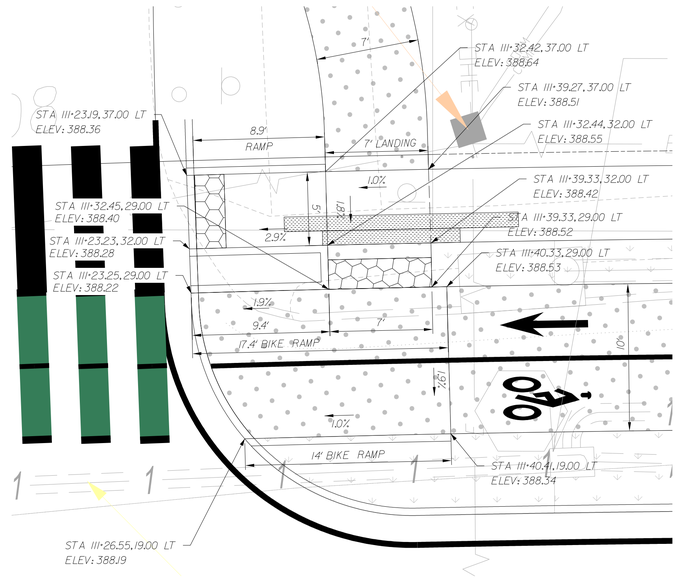
TOOLE DESIGN
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

CURB RAMP DETAIL PLAN

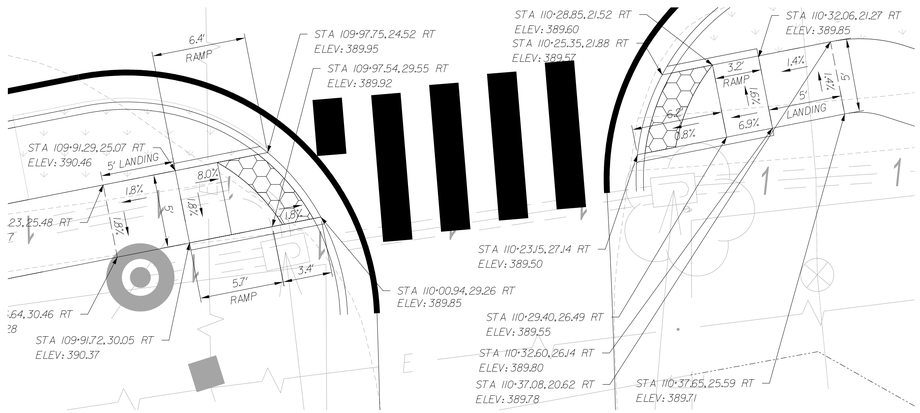
VAN DYCK PARK ENTRANCE

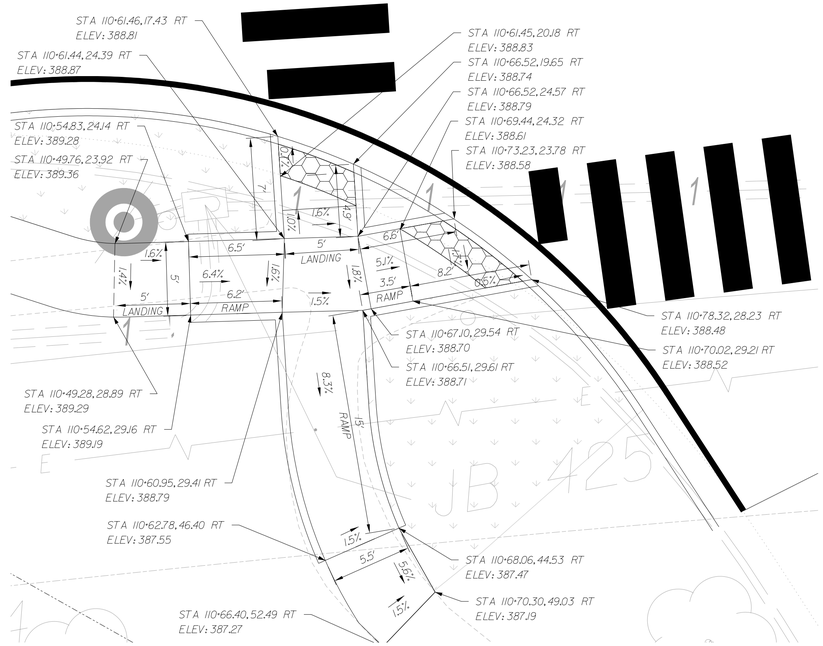




VAN DYCK PARK

BLENHEIM BLVD





CURB RAMP DETAIL 3

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

	PROJECT	SHEET NO.
	U000-151-R94	1H(5)

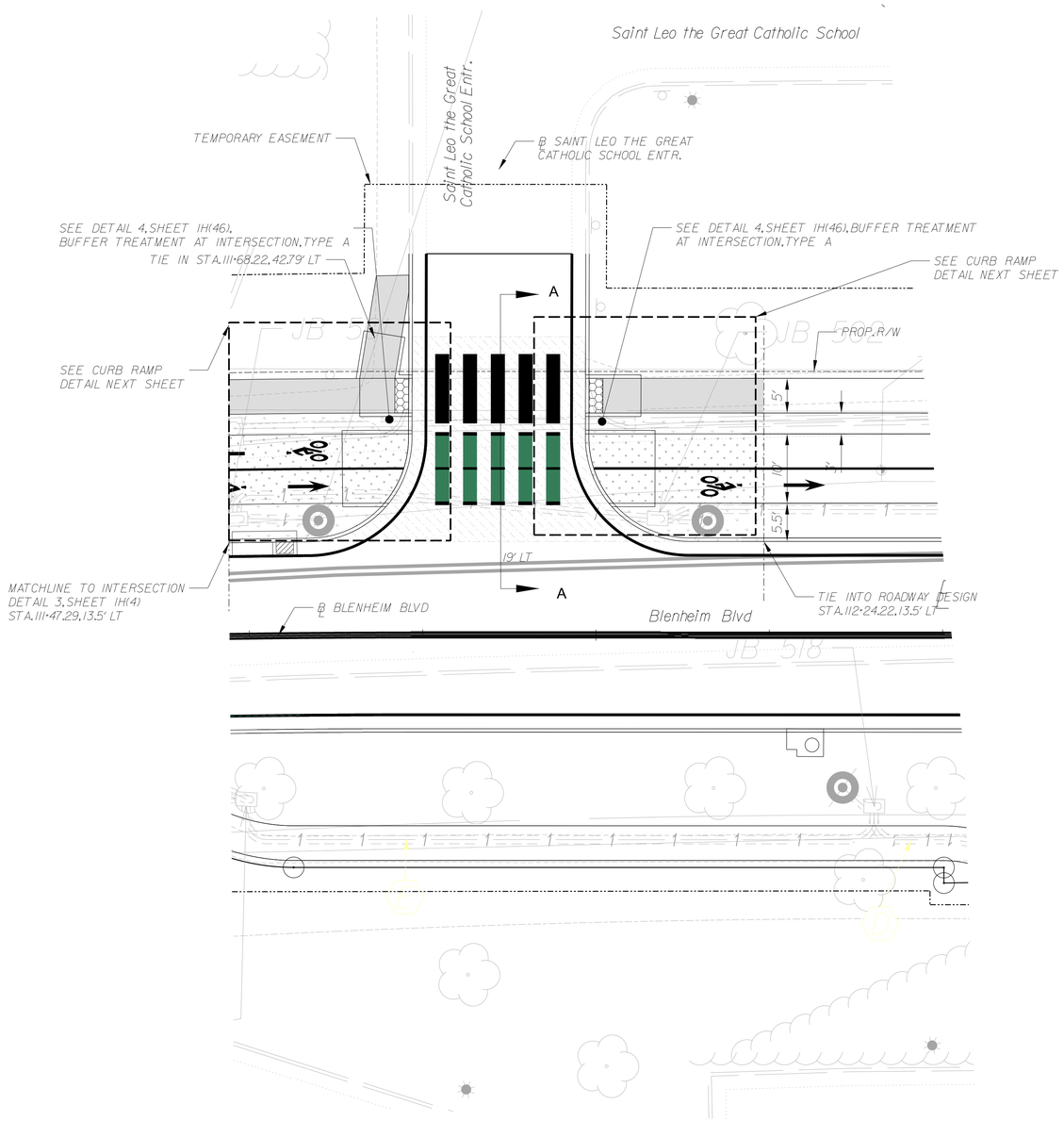
FINAL PLANS

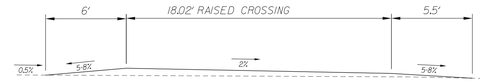
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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN





SECTION A-A

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- MILL & OVERLAY FOR RAISED INTERSECTION
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL 4

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(6)

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Silver Spring, MD 20910

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Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH(6)

FINAL PLANS

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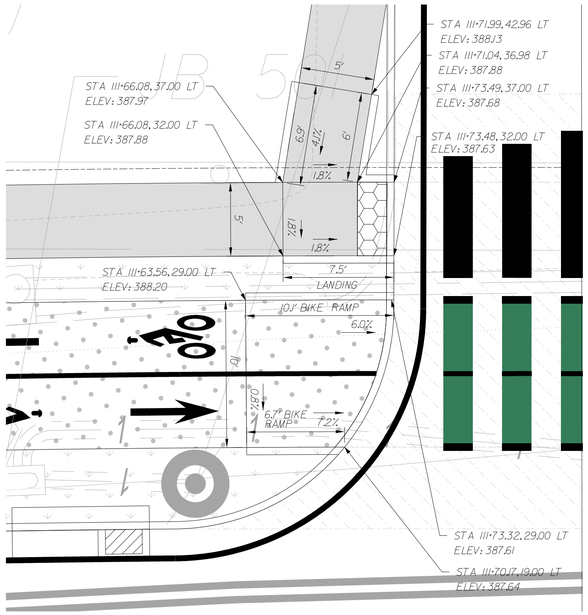
CURB RAMP DETAIL PLAN

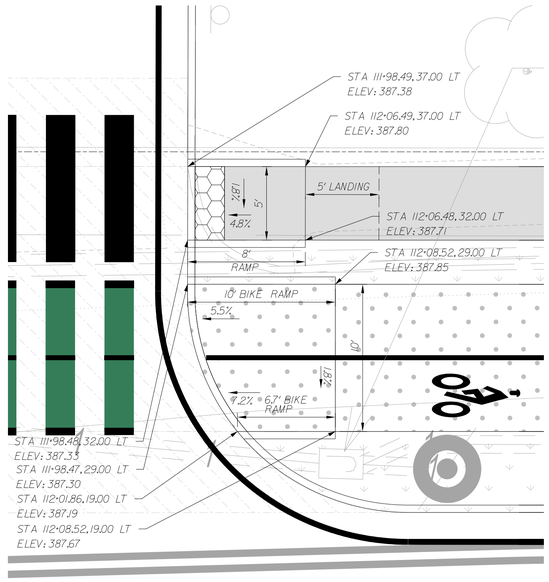
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(7)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
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Silver Spring, MD 20910

SAINT LEO THE GREAT CATHOLIC SCHOOL ENTRANCE





BLENHEIM BLVD

CURB RAMP DETAIL 4

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- MILL & OVERLAY FOR RAISED INTERSECTION
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH(7)

FINAL PLANS

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Plotted By: TonyTrefzger

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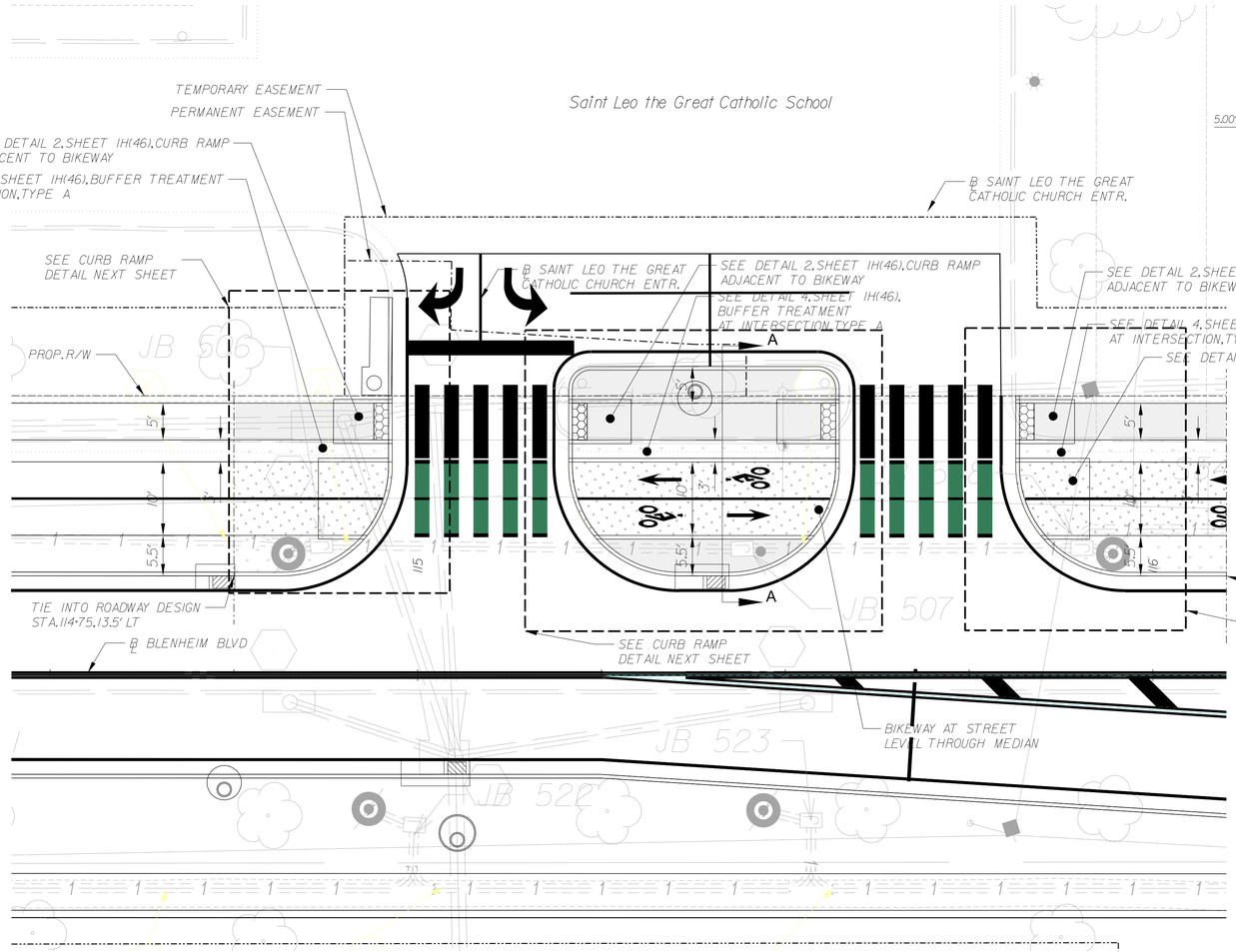
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

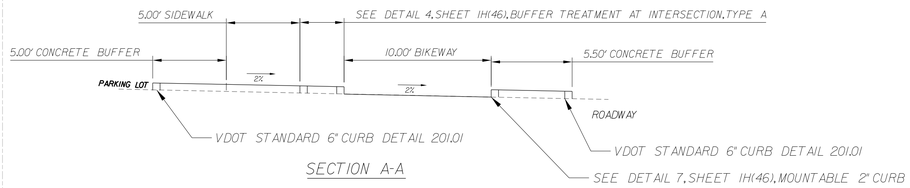
INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(8)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910





SECTION A-A

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL 5

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(8)

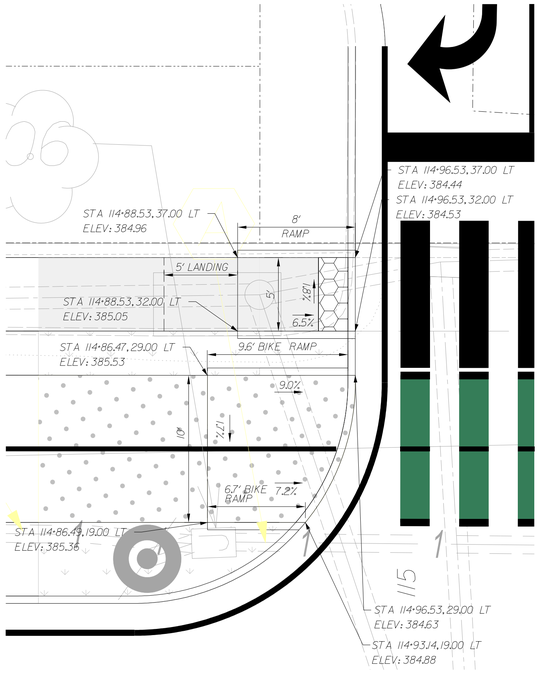
FINAL PLANS

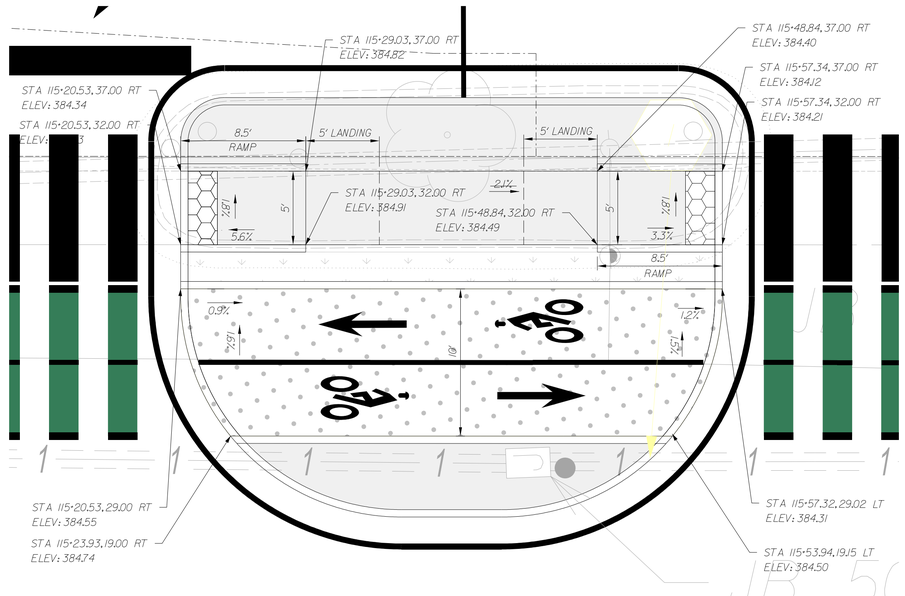
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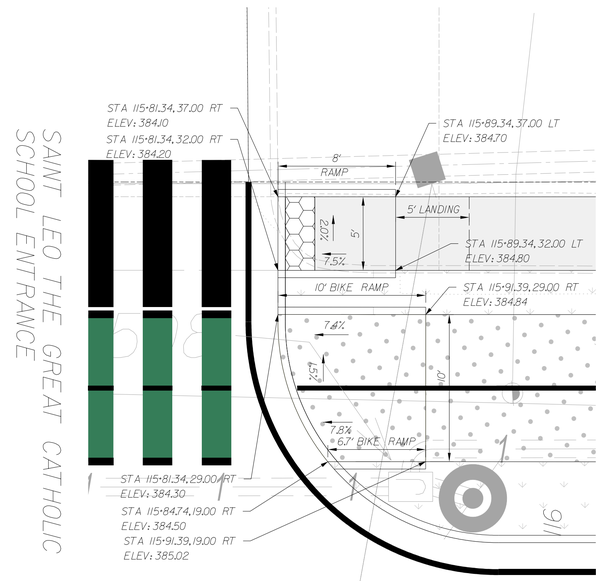
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FAX: 301.927.2800
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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

CURB RAMP DETAIL PLAN







LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL 5

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(9)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Silver Spring, MD 20910

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans 3 - 14
Pavement Marking & Signing Plan 15 - 15(16)
Bus Stop Detail Plan IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(9)

FINAL PLANS

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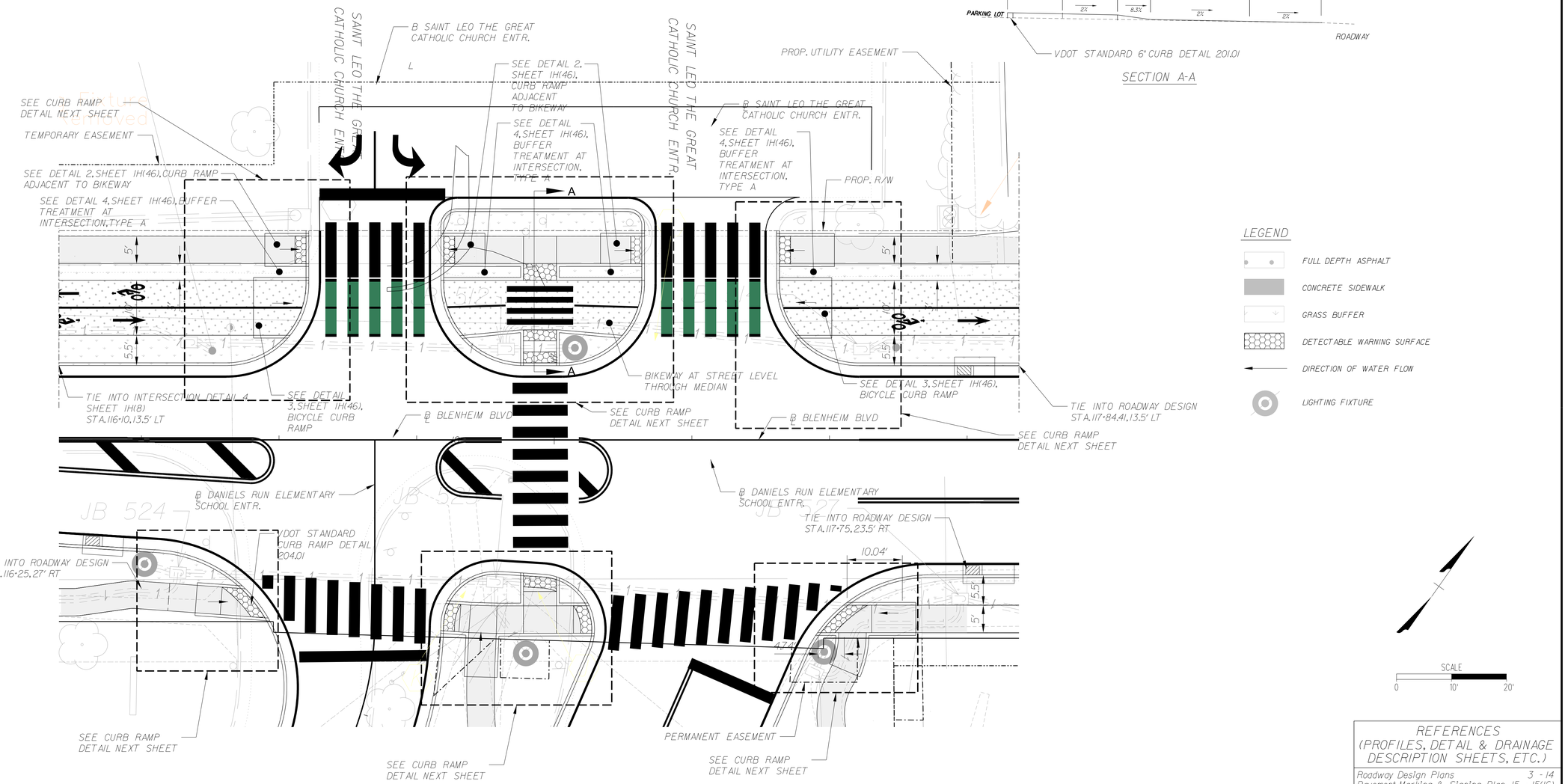
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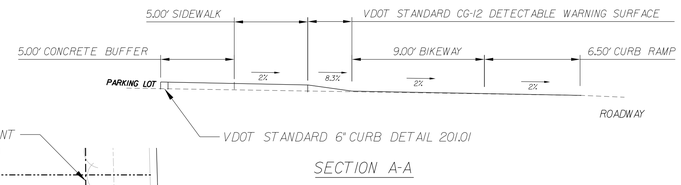
INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(10)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
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Silver Spring, MD 20910





SECTION A-A

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(10)

INTERSECTION DETAIL 6

FINAL PLANS

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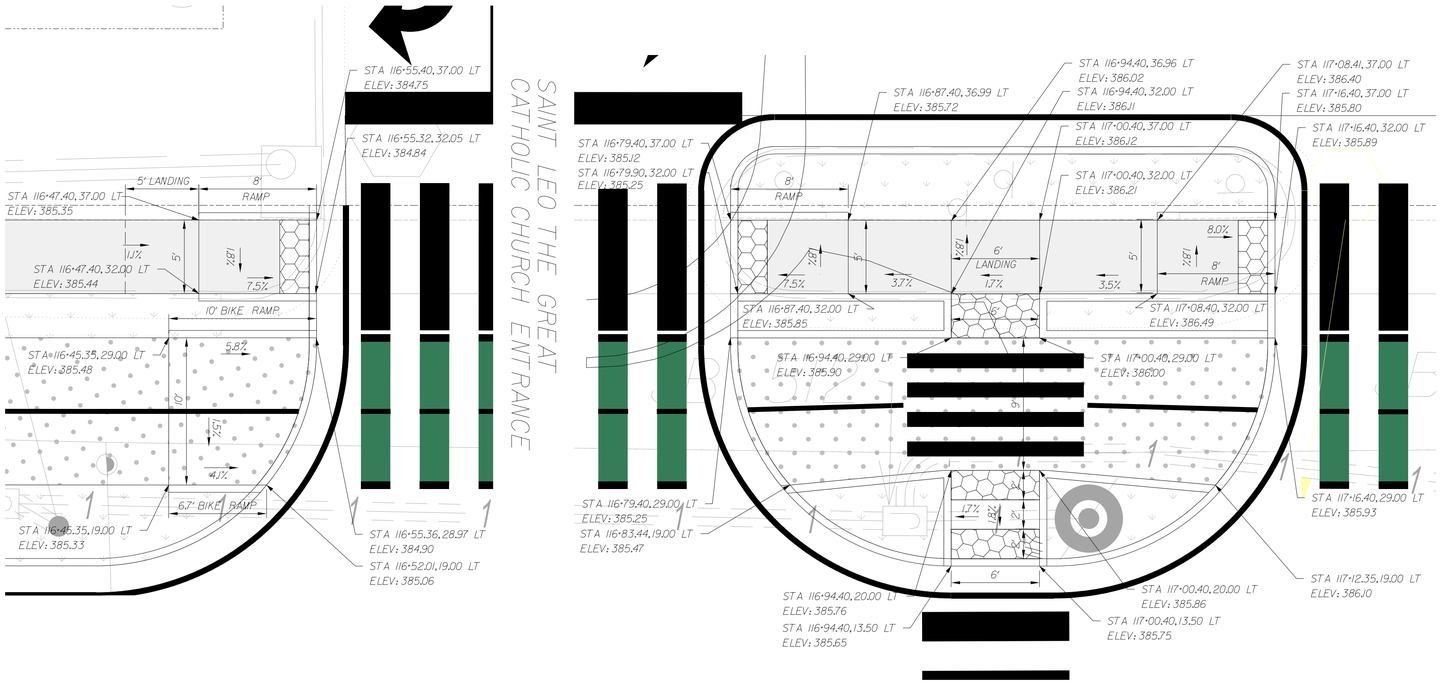
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

CURB RAMP DETAIL PLAN

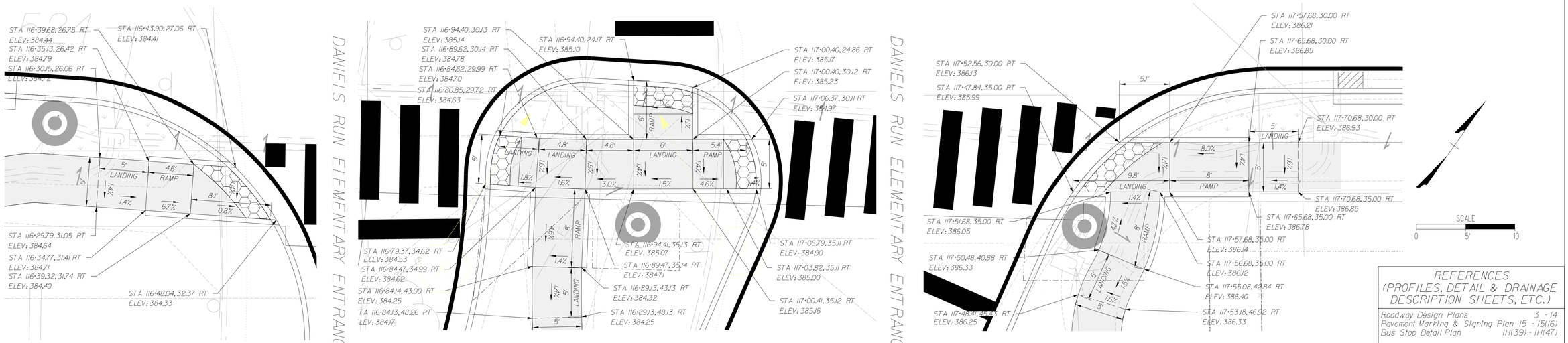
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(II)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Silver Spring, MD 20910



BLENHEIM BLVD



CURB RAMP DETAIL 6

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(II)

FINAL PLANS

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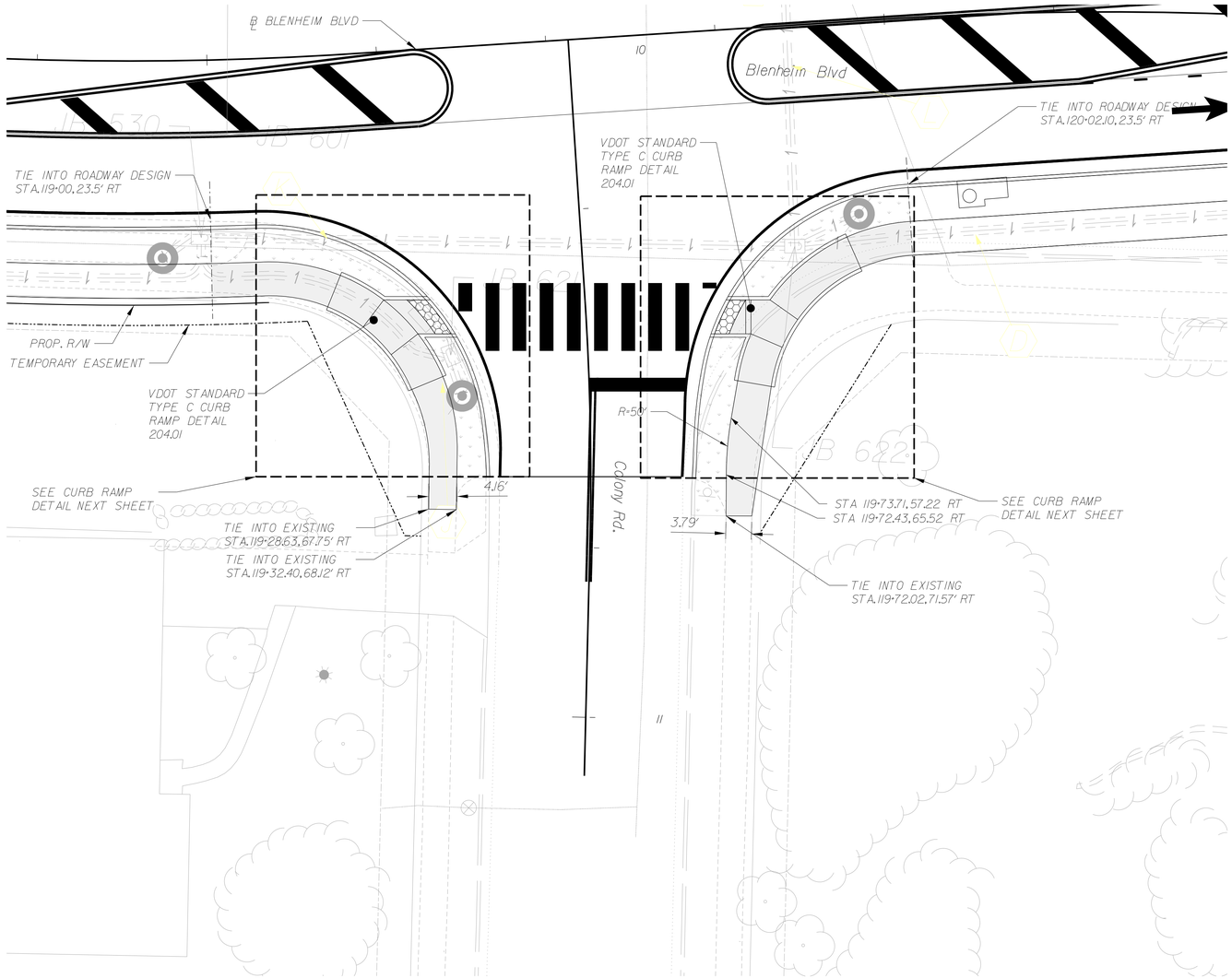
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INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(12)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
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Silver Spring, MD 20910



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL 7

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	1H(12)

FINAL PLANS

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CURB RAMP DETAIL PLAN

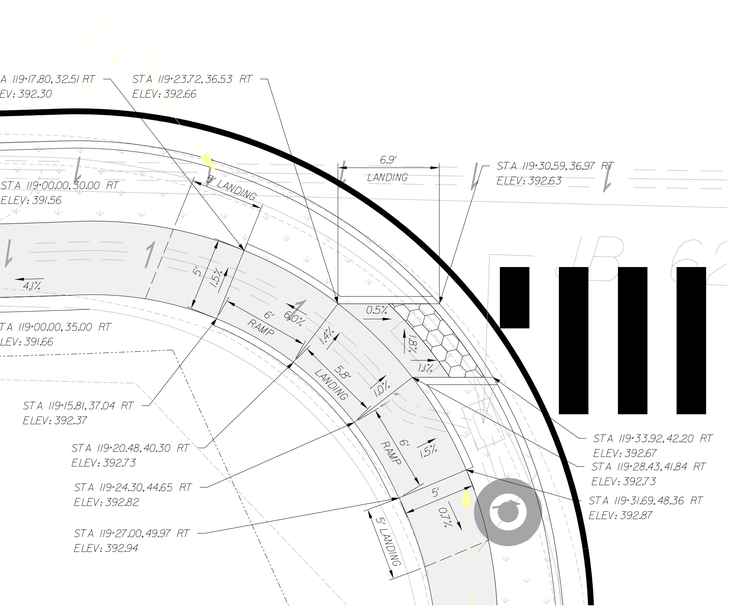
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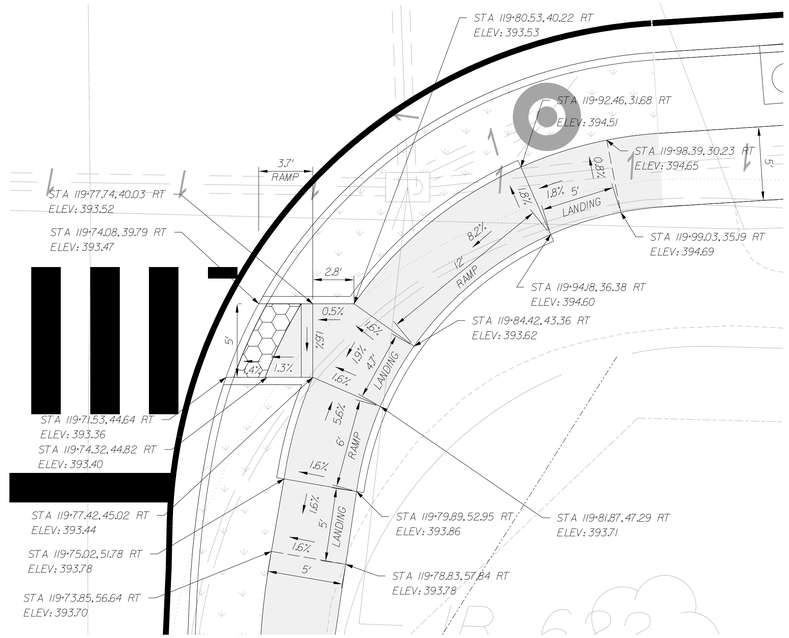
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BLENHEIM BLVD

COLONY RD





LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL 7

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan 15 - 15(16)	
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(13)

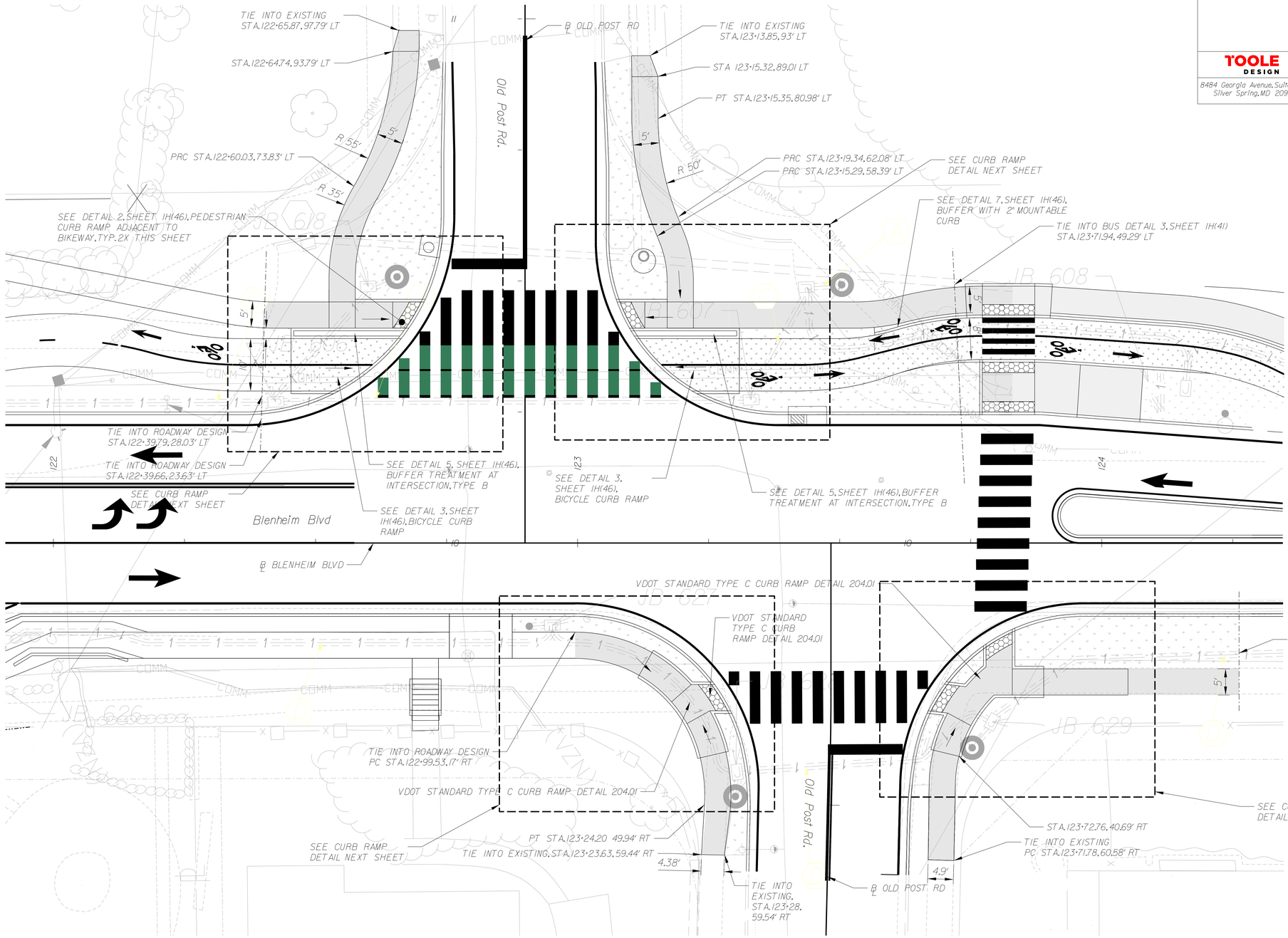
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INTERSECTION DETAIL PLAN



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL 8

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(14)

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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(14)

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CURB RAMP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(15)

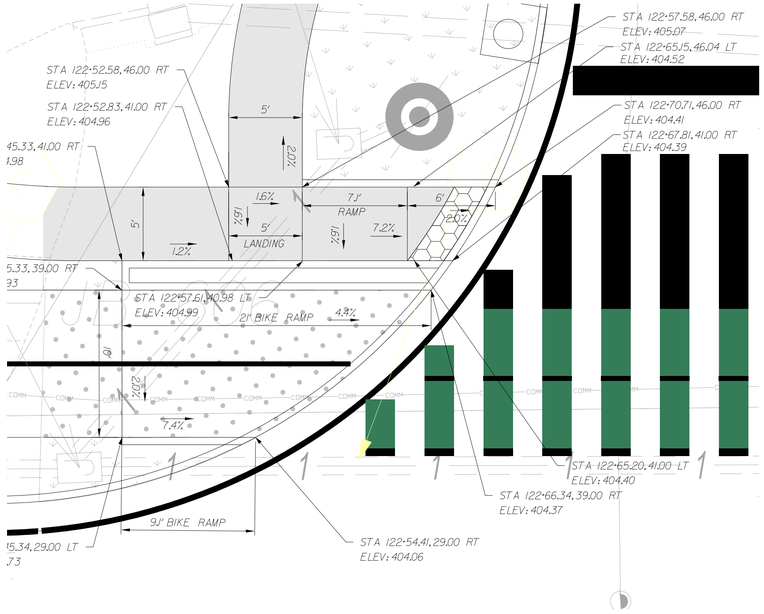
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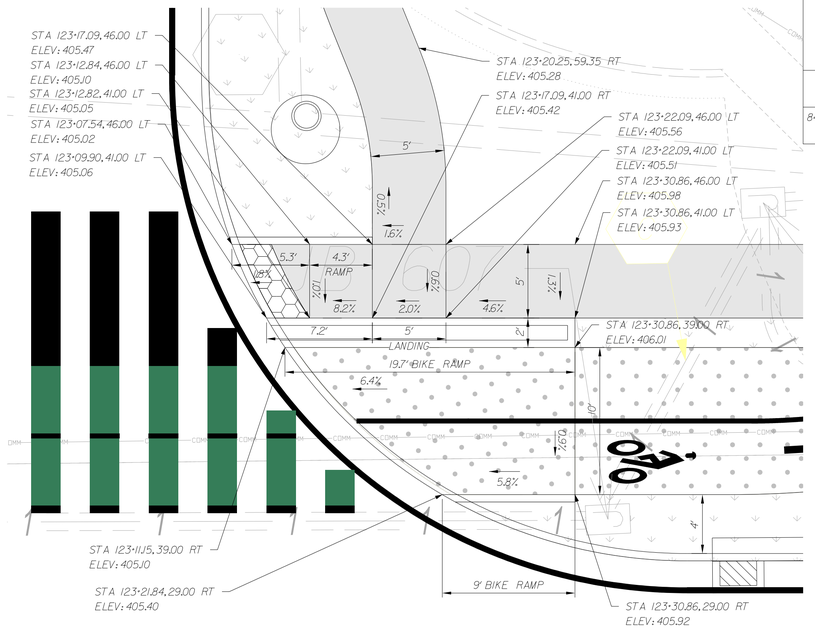
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Silver Spring, MD 20910

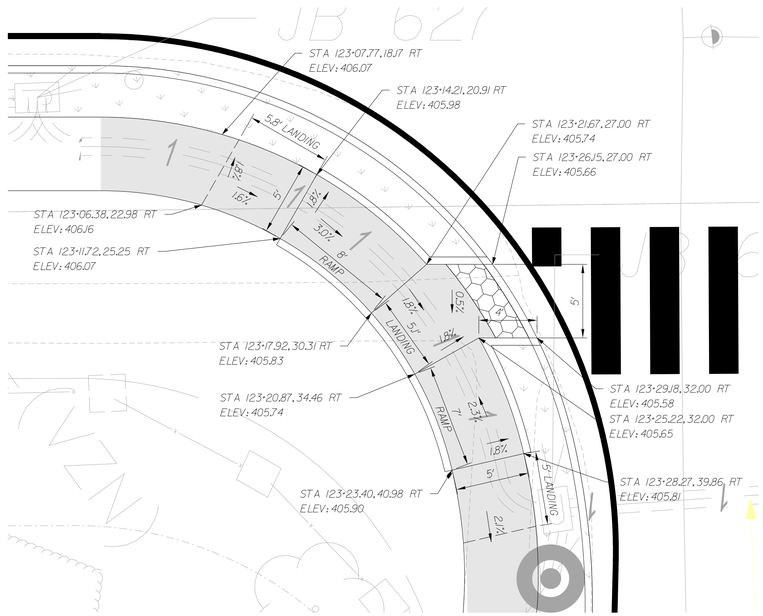
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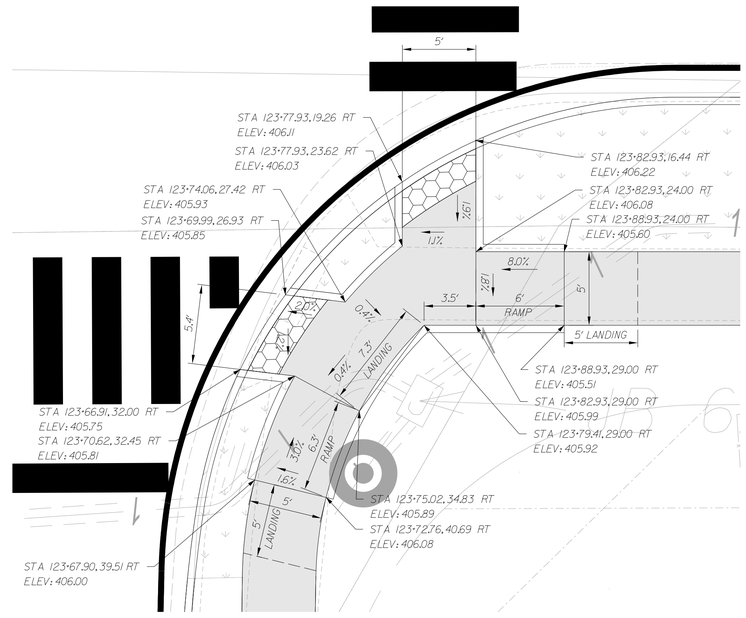
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OLD POST RD









CURB RAMP DETAIL 8

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH(15)

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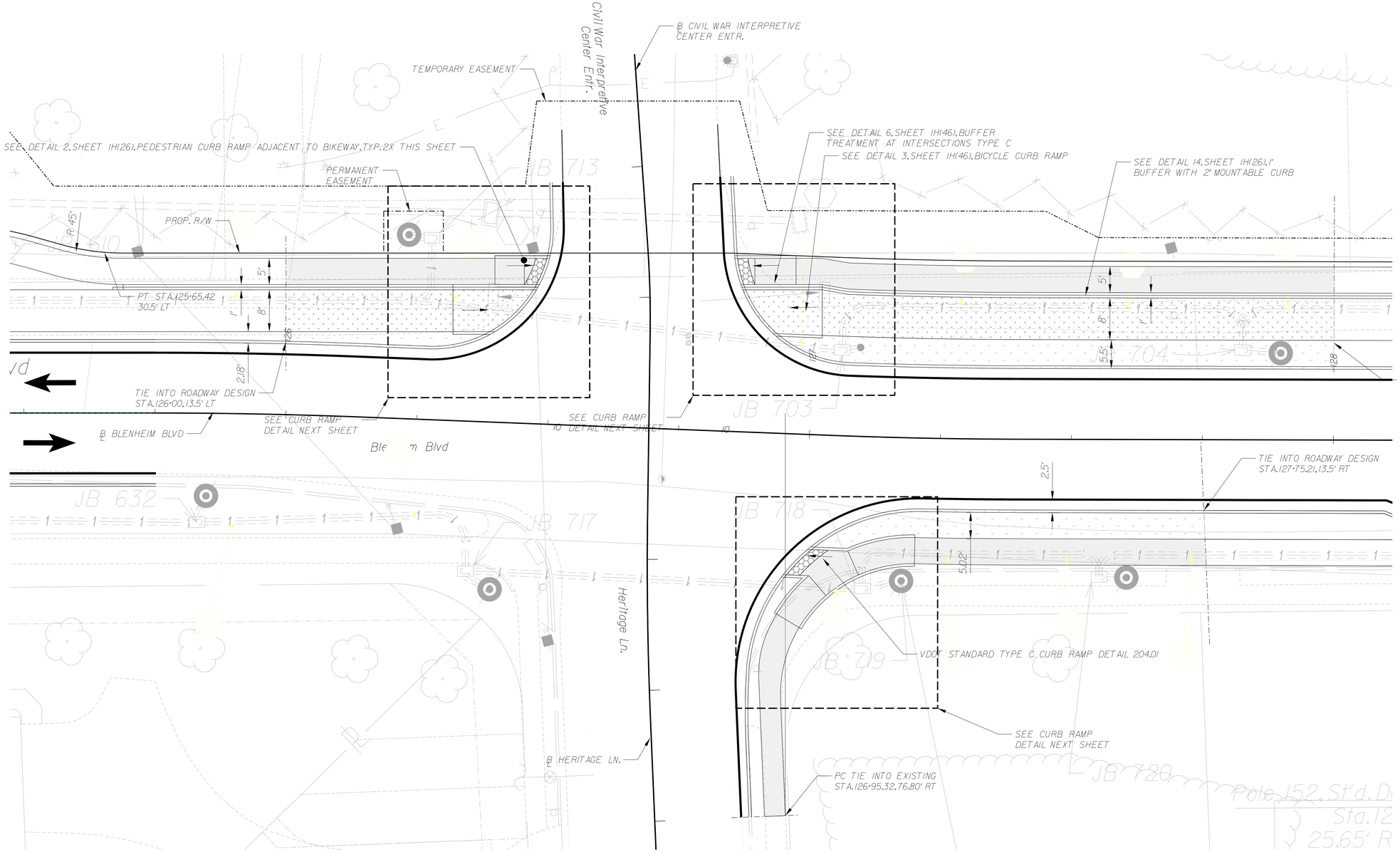
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(16)

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INTERSECTION DETAIL 9

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(16)

FINAL PLANS

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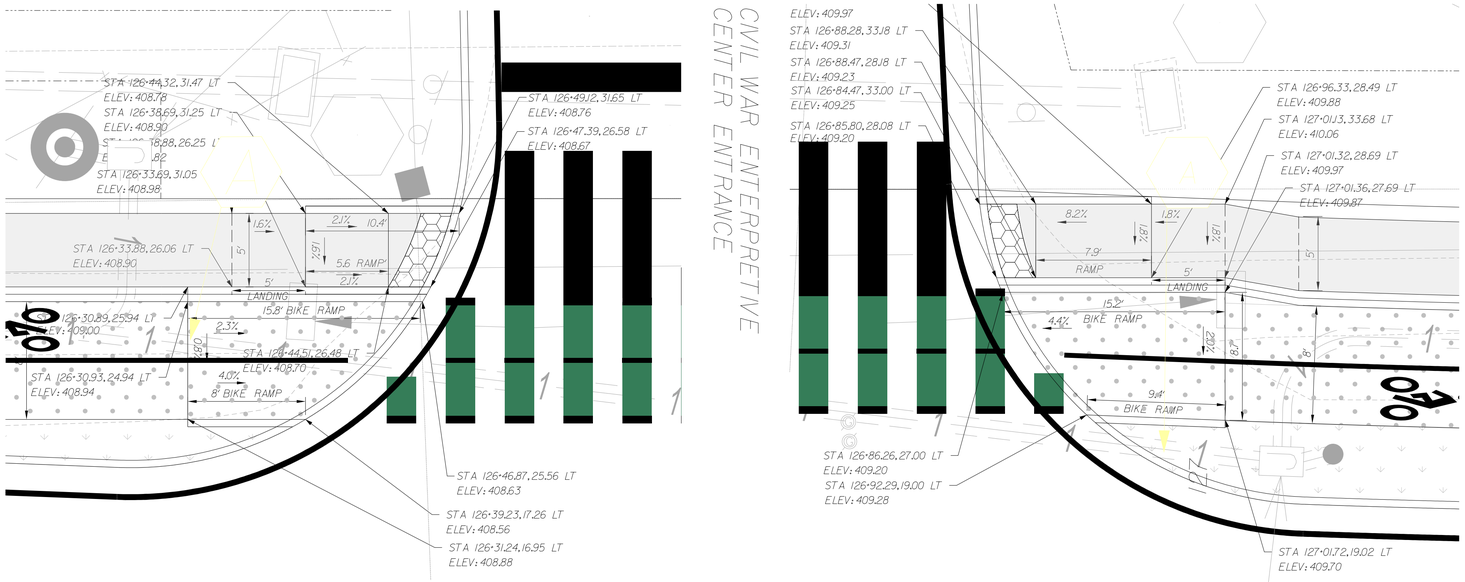
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CURB RAMP DETAIL PLAN

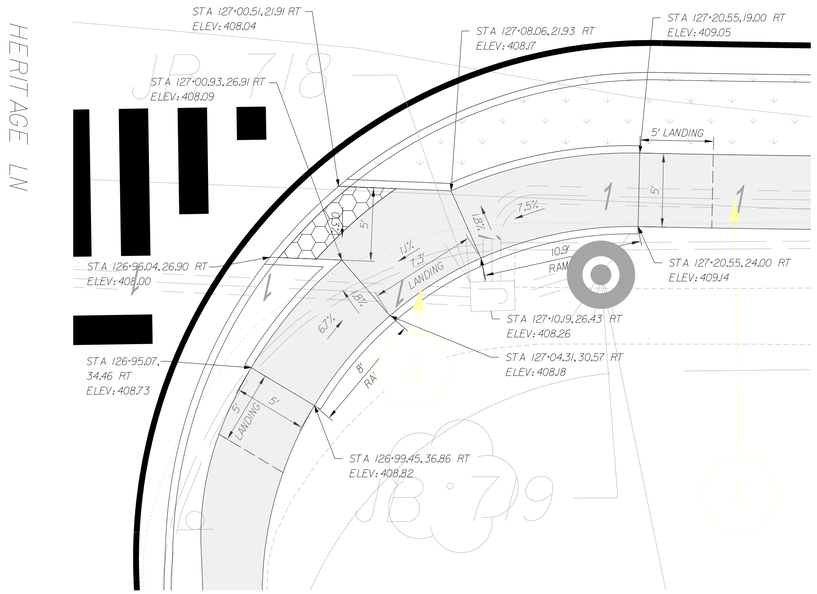
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(17)

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Silver Spring, MD 20910



BLENHEIM BLVD



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL 9

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH(17)

FINAL PLANS

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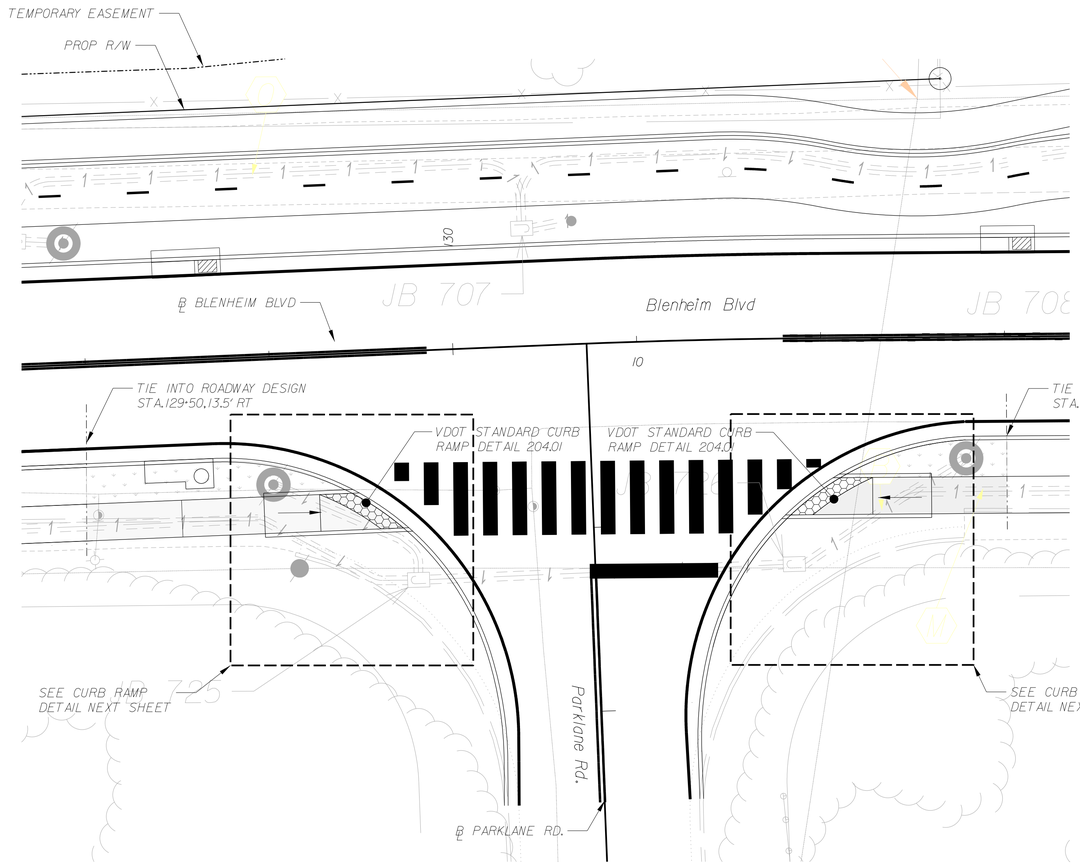
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INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(18)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
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Silver Spring, MD 20910



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL 10

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan 15 - 15(16)	
Bus Stop Detail Plan	1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	1H(18)

FINAL PLANS

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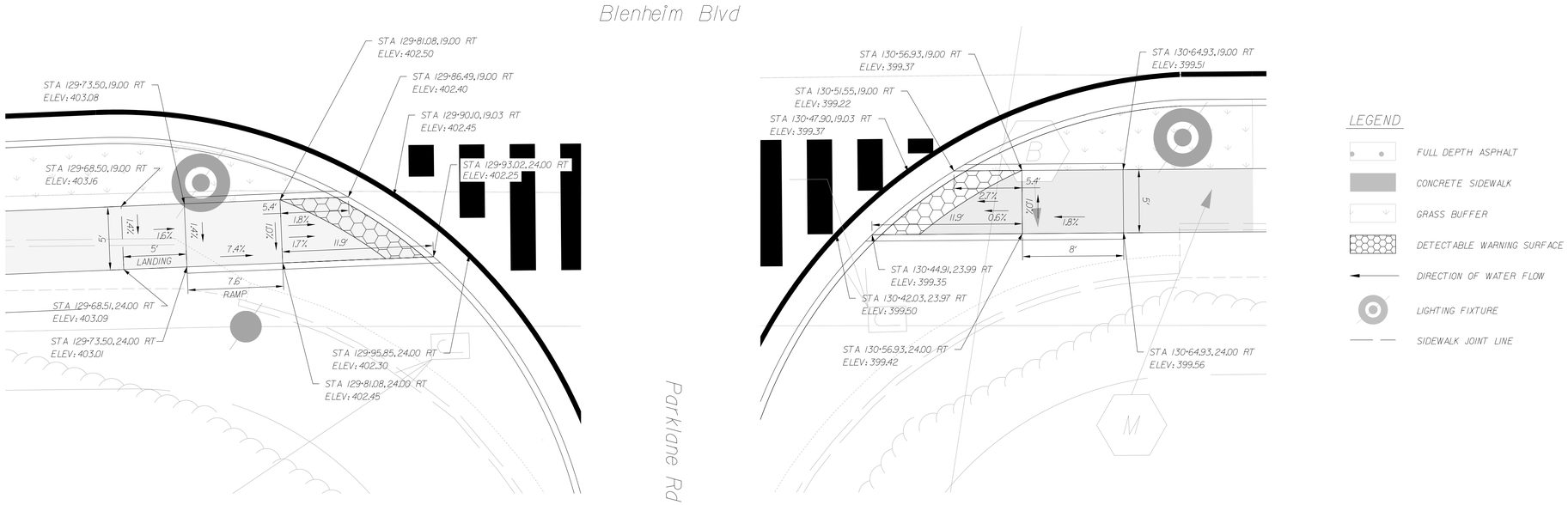
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CURB RAMP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(19)

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TOOLE DESIGN
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Silver Spring, MD 20910



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL 10

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan 15	15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	1H(19)

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PHONE: 301.927.1900
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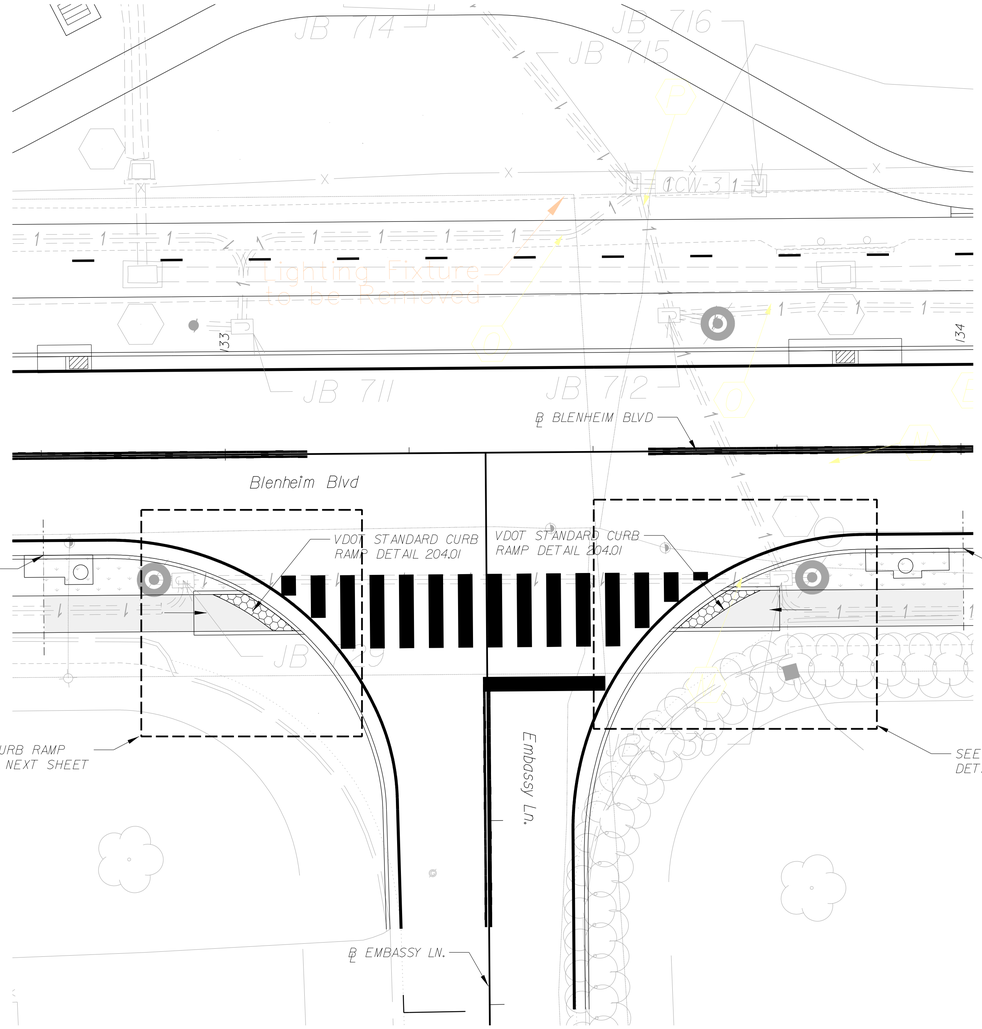
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(20)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL II

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	1H(20)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TOOLE DESIGN
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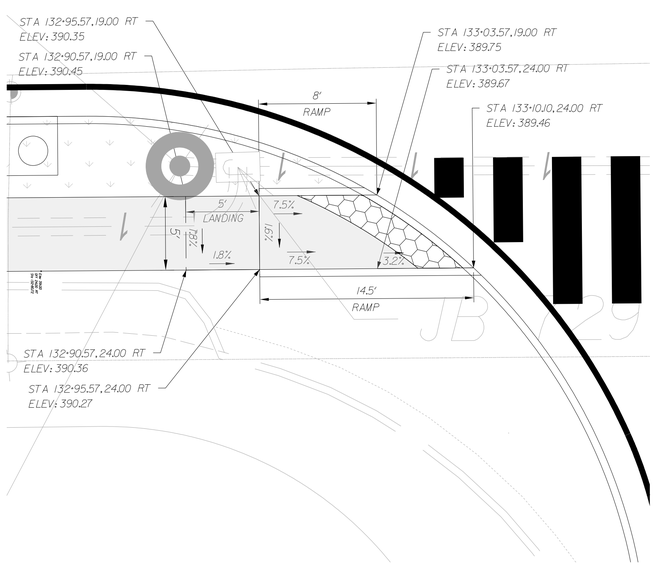
CURB RAMP DETAIL PLAN

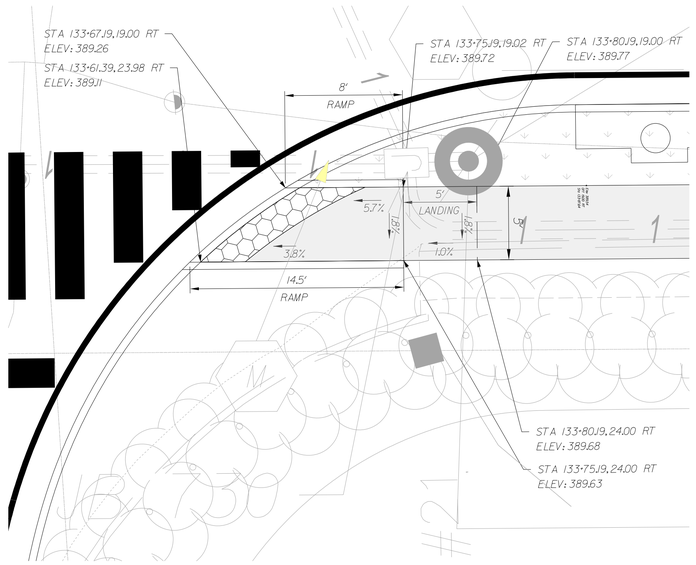
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int21$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

BLENHEIM BLVD





EMBASSY LN

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL II

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

	PROJECT	SHEET NO.
	U000-151-R94	$Int21$

FINAL PLANS

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Plotted By: TonyTrefzger

TOOLE DESIGN
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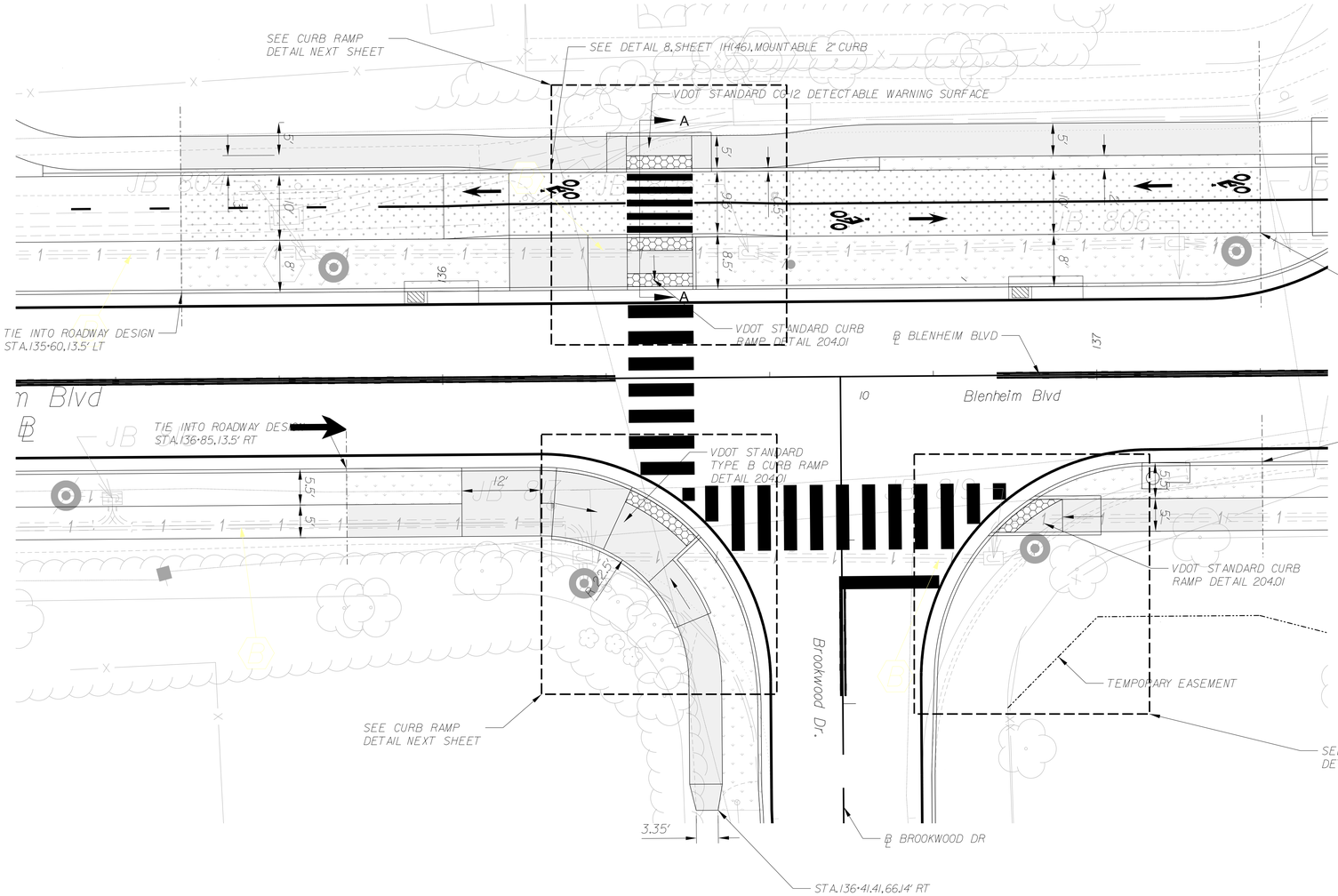
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

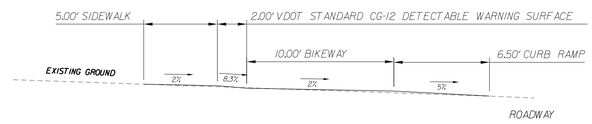
INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(22)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910





SECTION A-A

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	IH(22)

INTERSECTION DETAIL 12

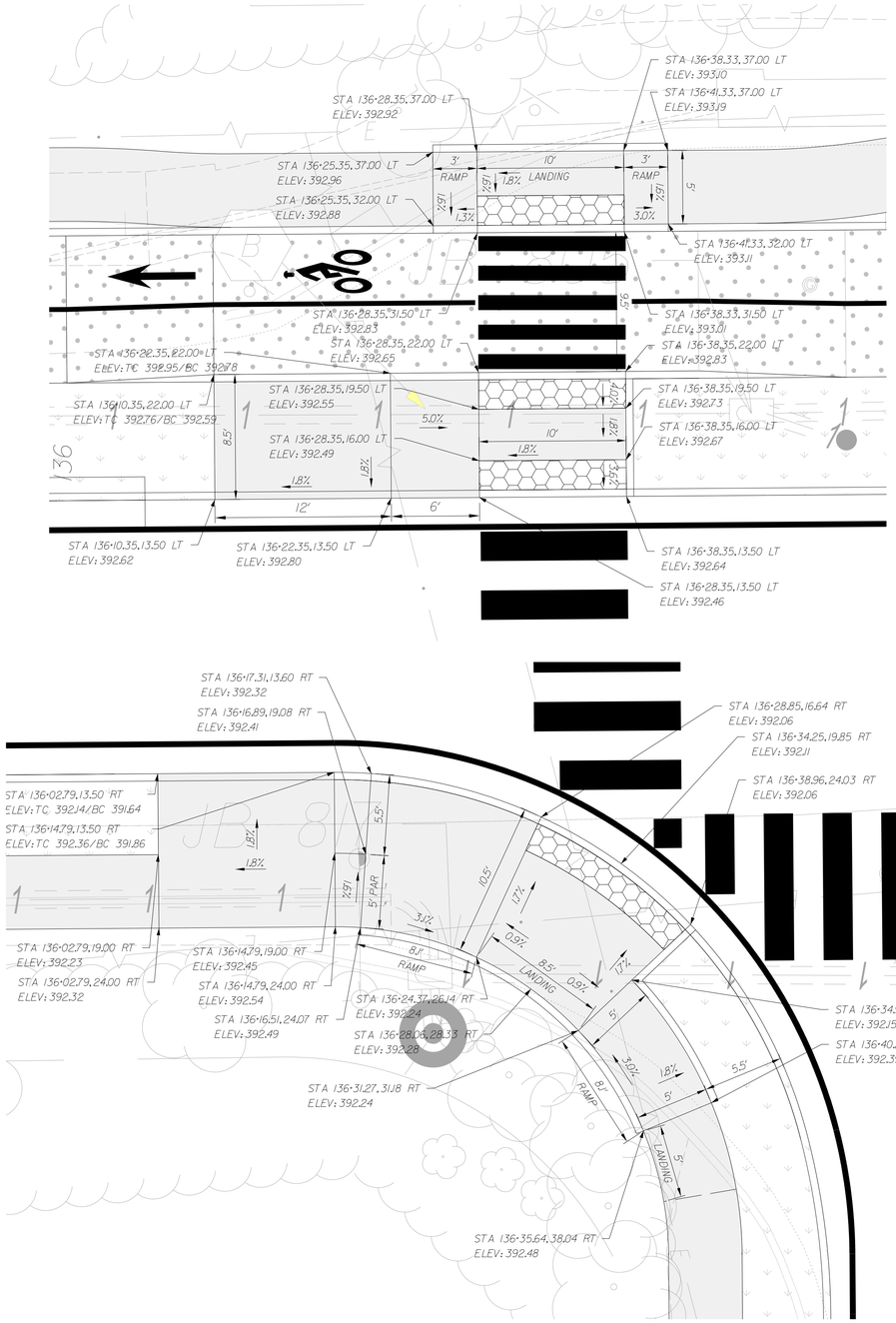
FINAL PLANS

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

CURB RAMP DETAIL PLAN



CURB RAMP DETAIL 12

SECTION A-A

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int23$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
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Silver Spring, MD 20910

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	$Int23$

FINAL PLANS

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SILVER SPRING, MD 20910
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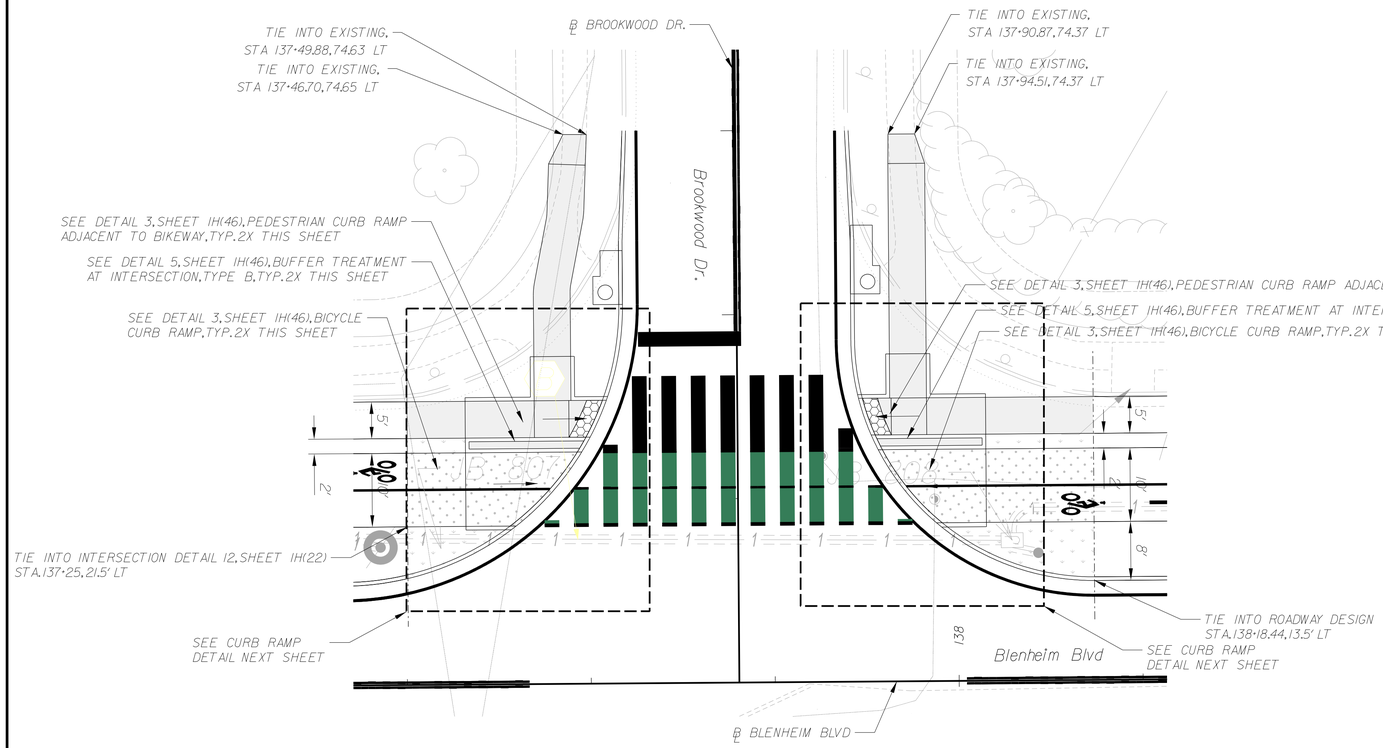
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(24)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

INTERSECTION DETAIL 13

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	1H(24)

FINAL PLANS

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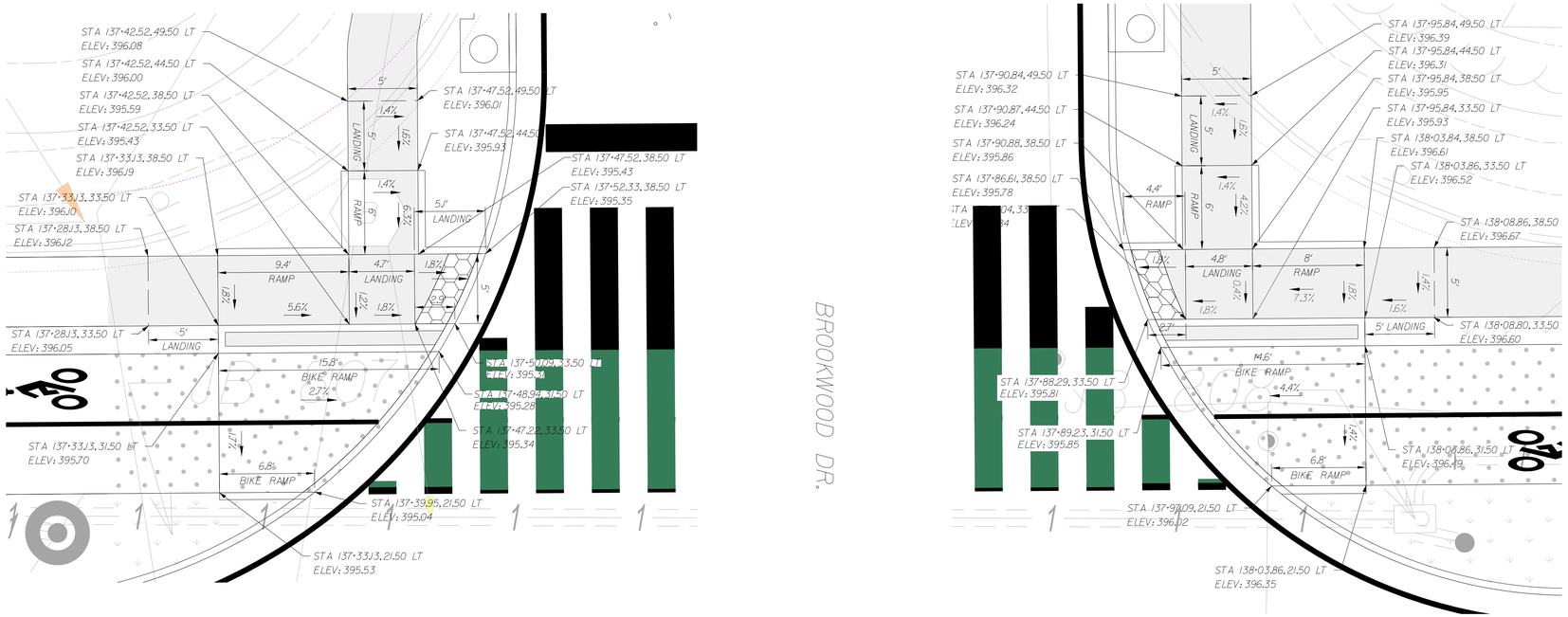
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

CURB RAMP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int25$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL 13

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	$Int25$

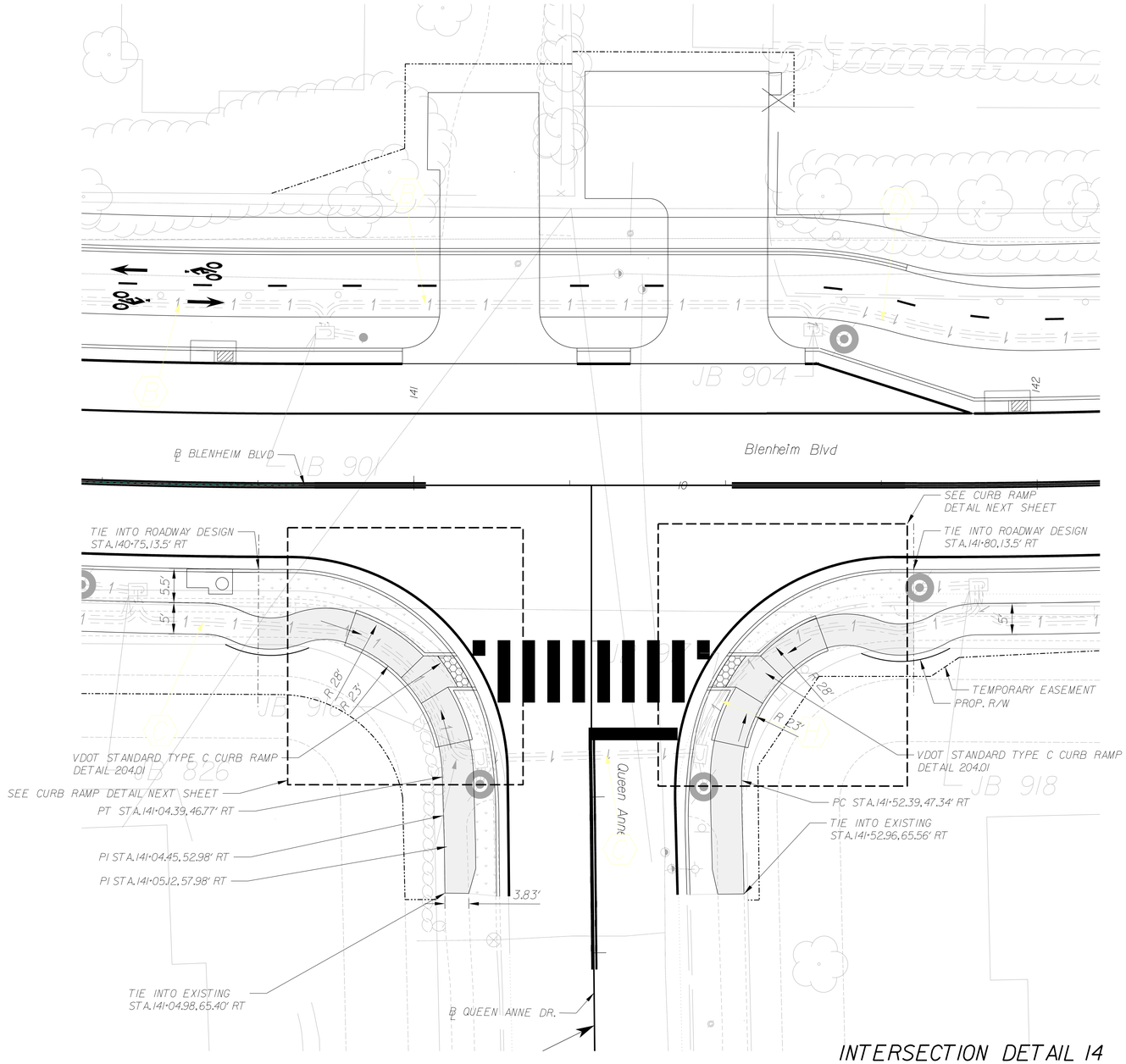
FINAL PLANS

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SILVER SPRING, MD 20910
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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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INTERSECTION DETAIL PLAN



INTERSECTION DETAIL 14

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(26)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans 3 - 14
Pavement Marking & Signing Plan 15 - 15(16)
Bus Stop Detail Plan 1H(39) - 1H(47)

PROJECT	SHEET NO.
U000-151-R94	1H(26)

FINAL PLANS

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SILVER SPRING, MD 20910
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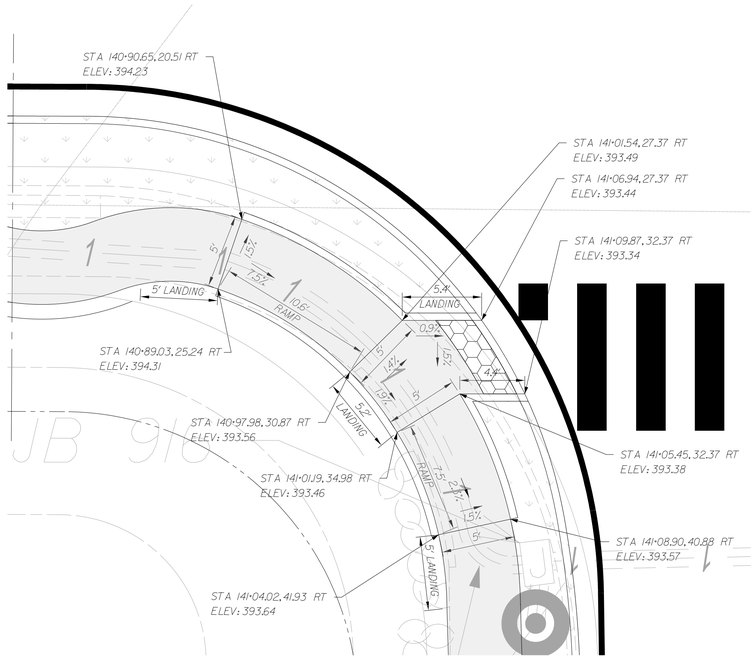
CURB RAMP DETAIL PLAN

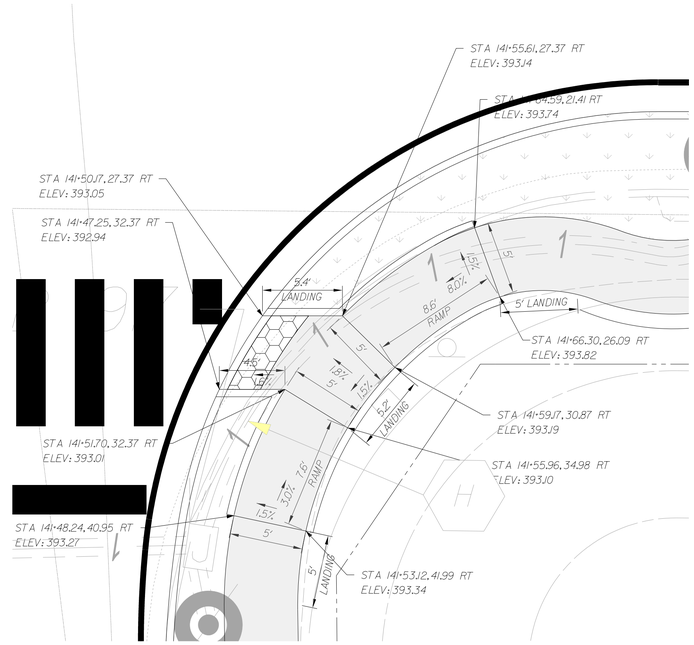
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int27$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

BLENHEIM BLVD





QUEEN ANNE DR.

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL 14

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	$Int27$

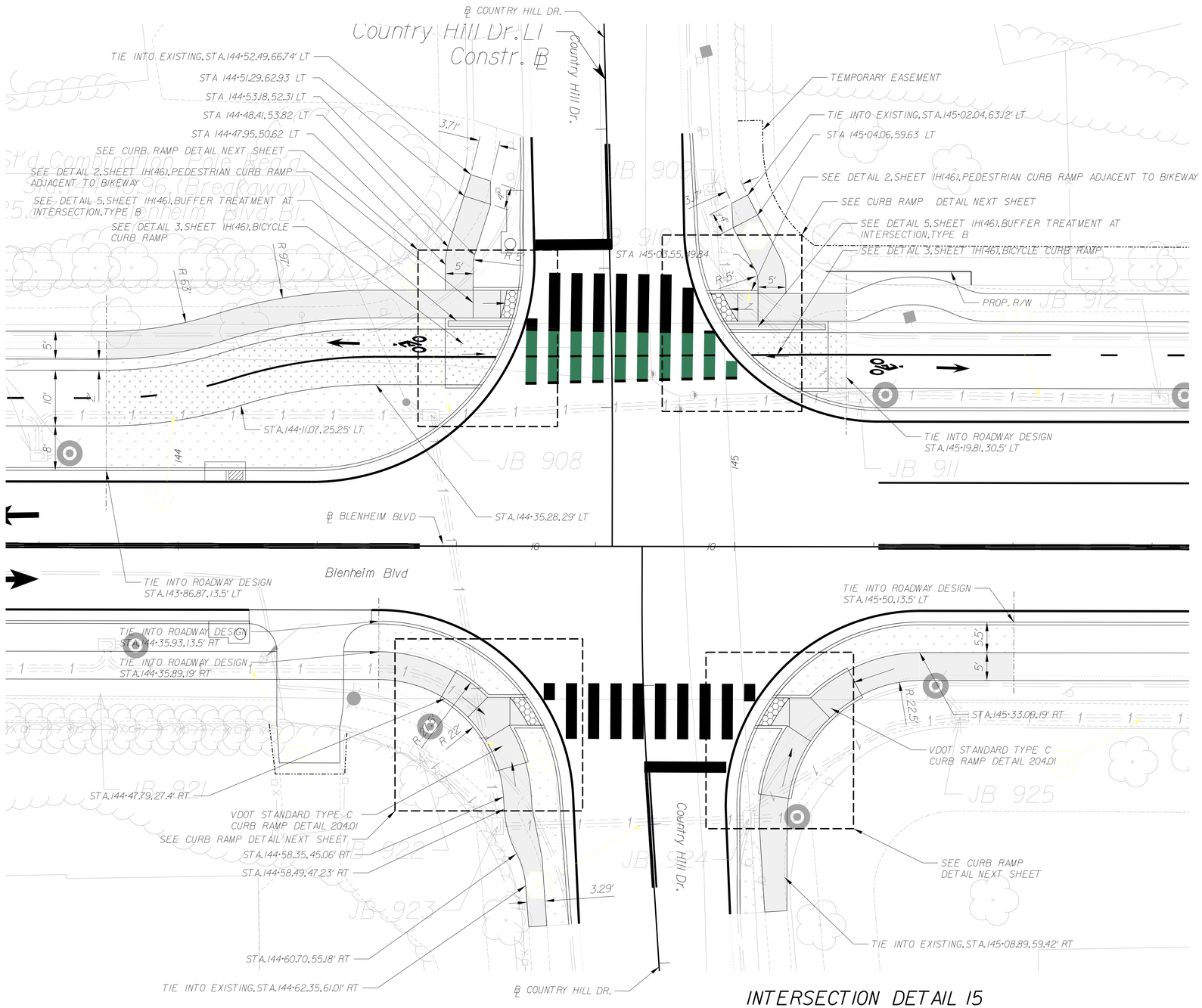
FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN



INTERSECTION DETAIL 15

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(28)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	IH(28)

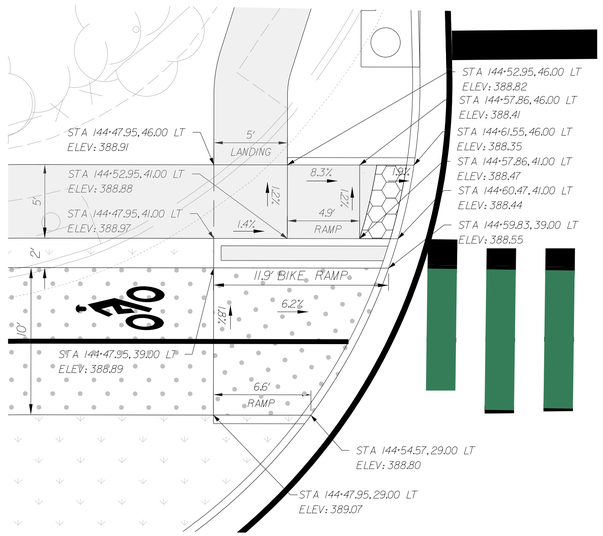
FINAL PLANS

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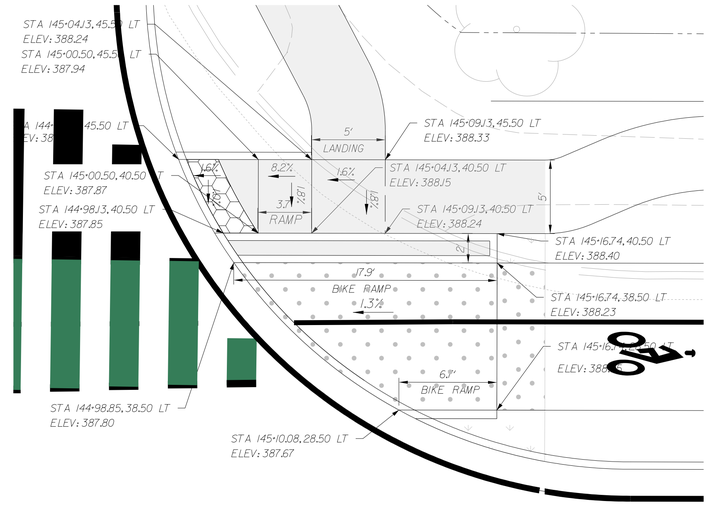
TOOLE DESIGN
8484 GEORGIA AVENUE, SUITE 800
SILVER SPRING, MD 20910
PHONE: 301.927.1900
FAX: 301.927.2800
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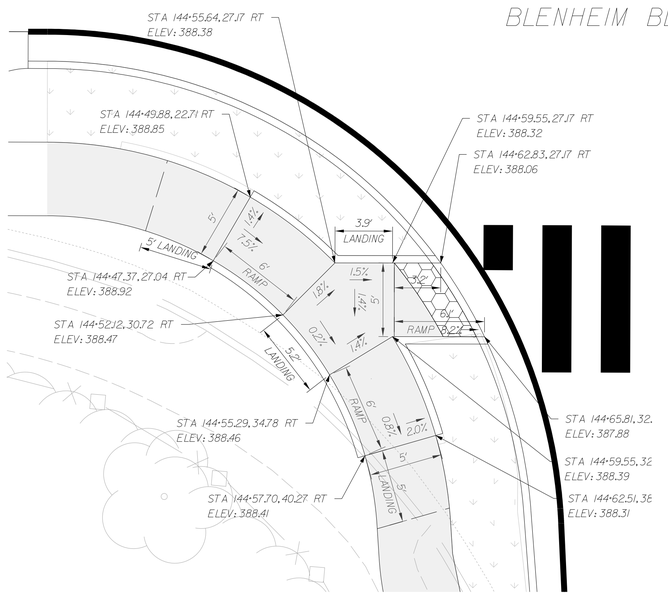
CURB RAMP DETAIL PLAN



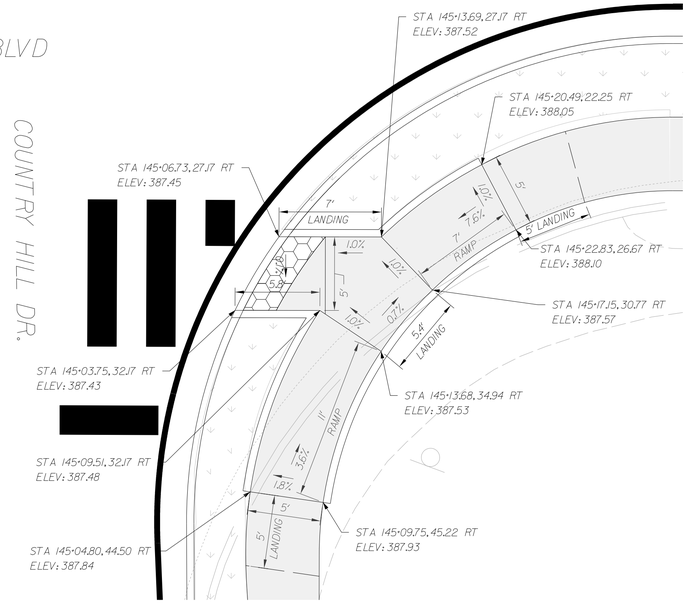
COUNTRY HILL DR.



BLENHEIM BLVD



COUNTRY HILL DR.



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

CURB RAMP DETAIL I5

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int29$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	I5 - I5(16)
Bus Stop Detail Plan	IH(39) - IH(47)

	PROJECT	SHEET NO.
	U000-151-R94	$Int29$

FINAL PLANS

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Plotted By: TonyTrefzger

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SILVER SPRING, MD 20910
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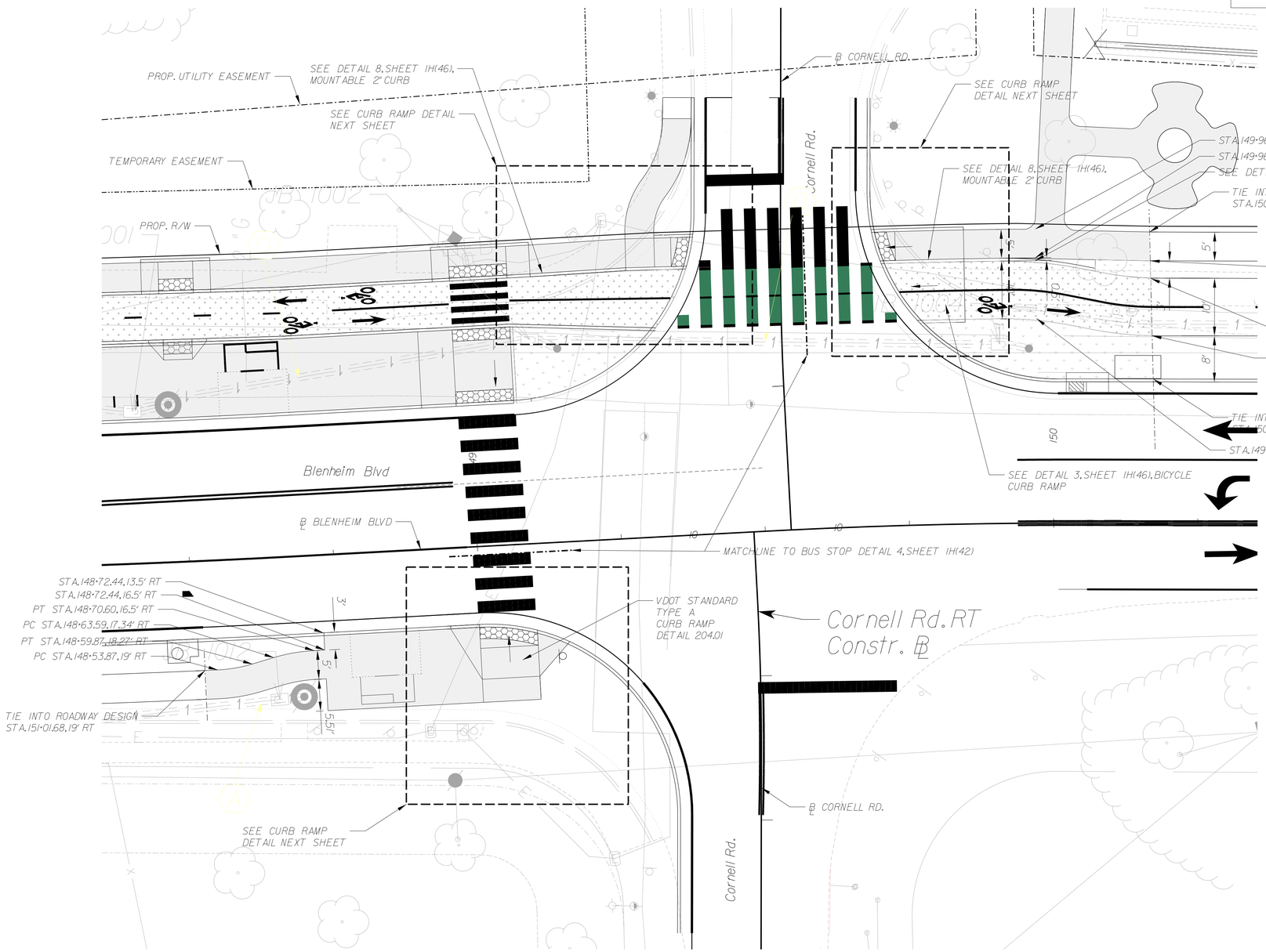
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(30)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



INTERSECTION DETAIL 16

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(26)

	PROJECT	SHEET NO.
	U000-151-R94	IH(30)

FINAL PLANS

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SILVER SPRING, MD 20910
PHONE: 301.927.1900
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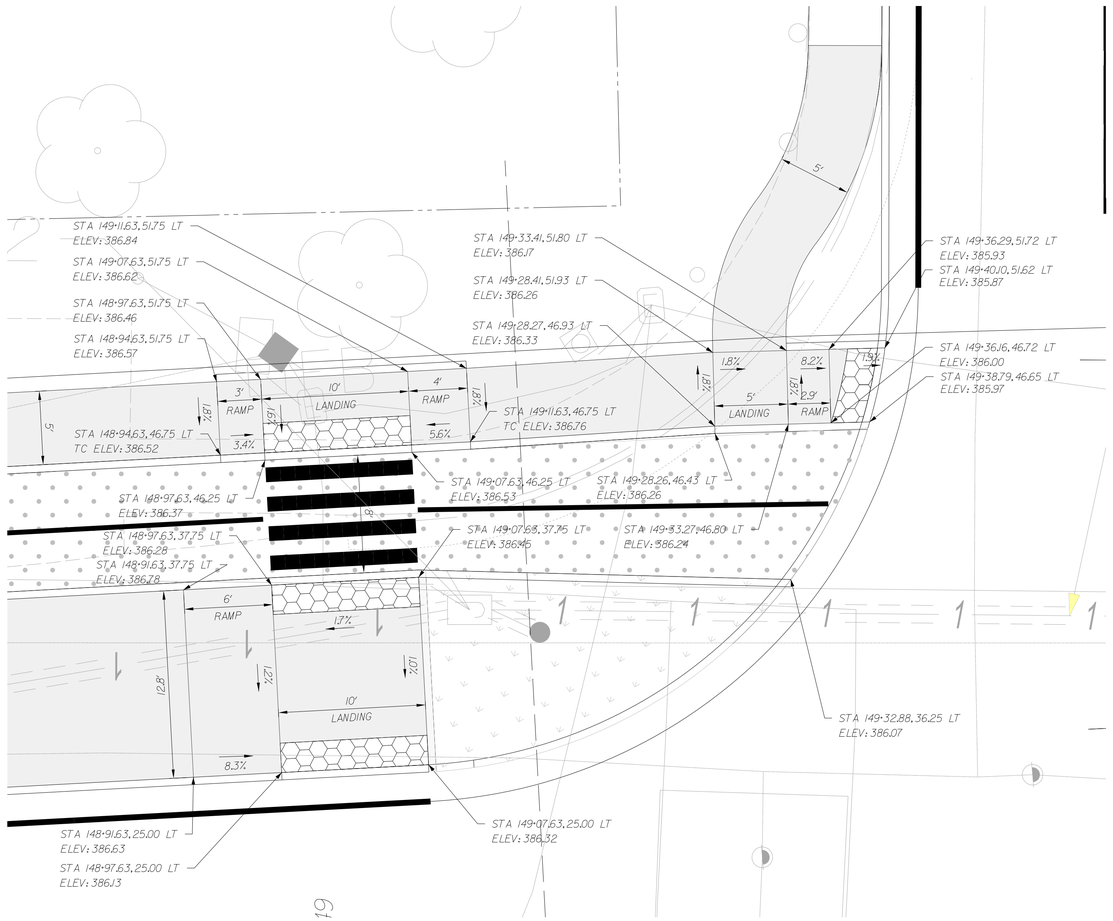
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

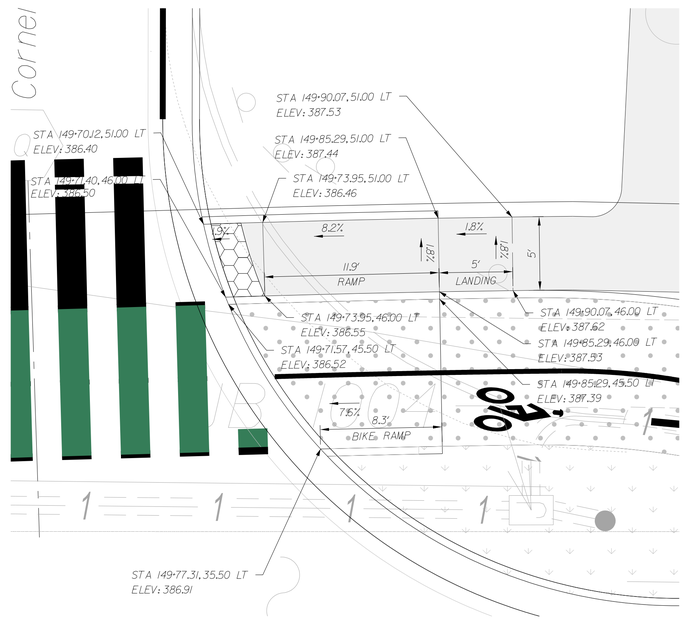
CURB RAMP DETAIL PLAN

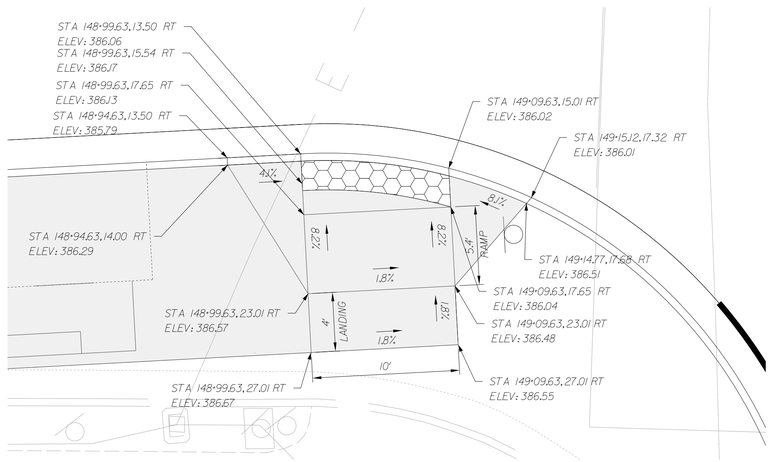
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int31$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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CURB RAMP DETAIL 16

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE 0 5' 10'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan 15 - 15(15)	
Bus Stop Detail Plan	IH(39) - IH(26)

	PROJECT	SHEET NO.
	U000-151-R94	$Int31$

FINAL PLANS

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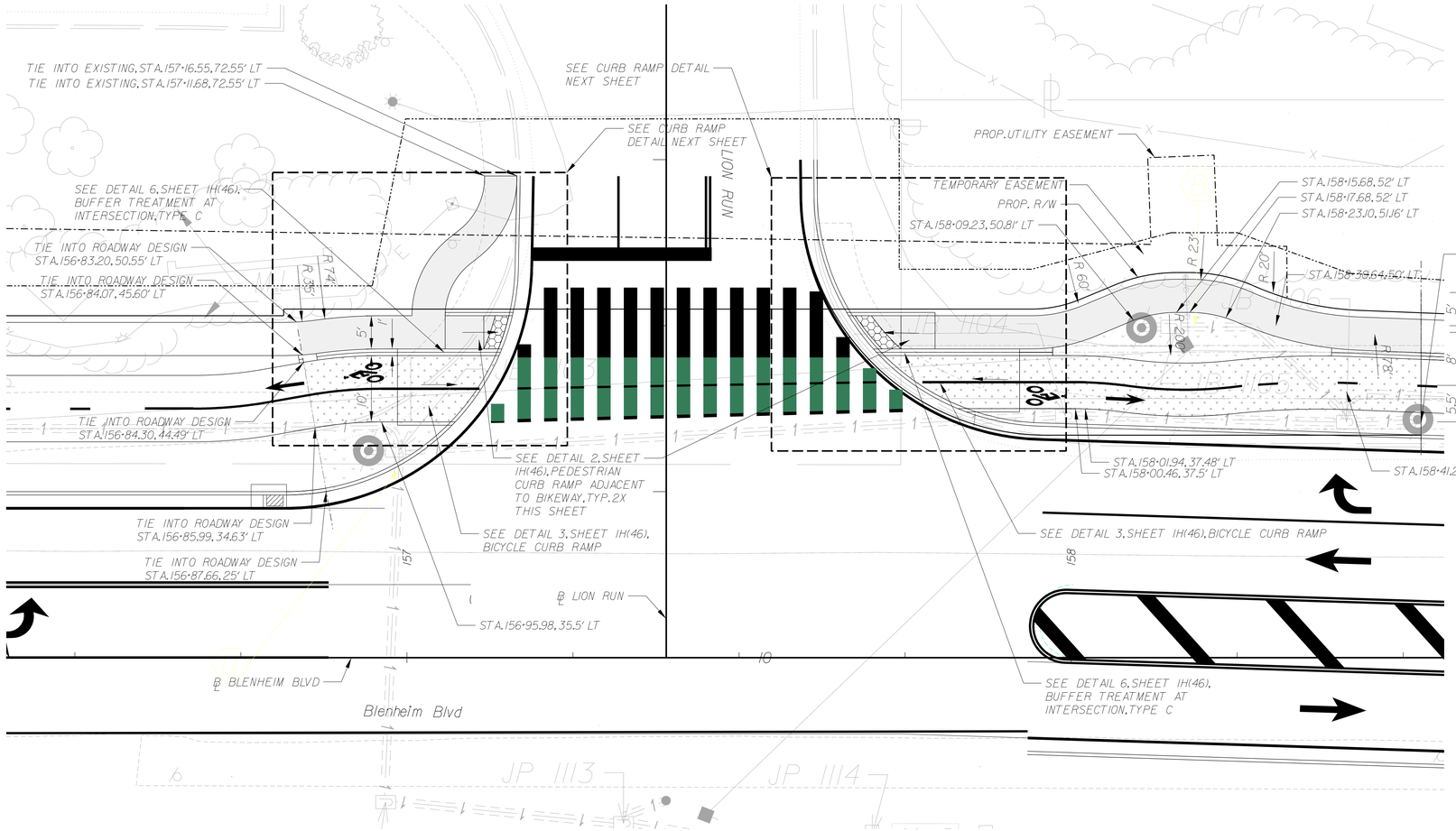
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(32)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(15)
Bus Stop Detail Plan	IH(39) - IH(26)

PROJECT	SHEET NO.
U000-151-R94	IH(32)

INTERSECTION DETAIL 17

FINAL PLANS

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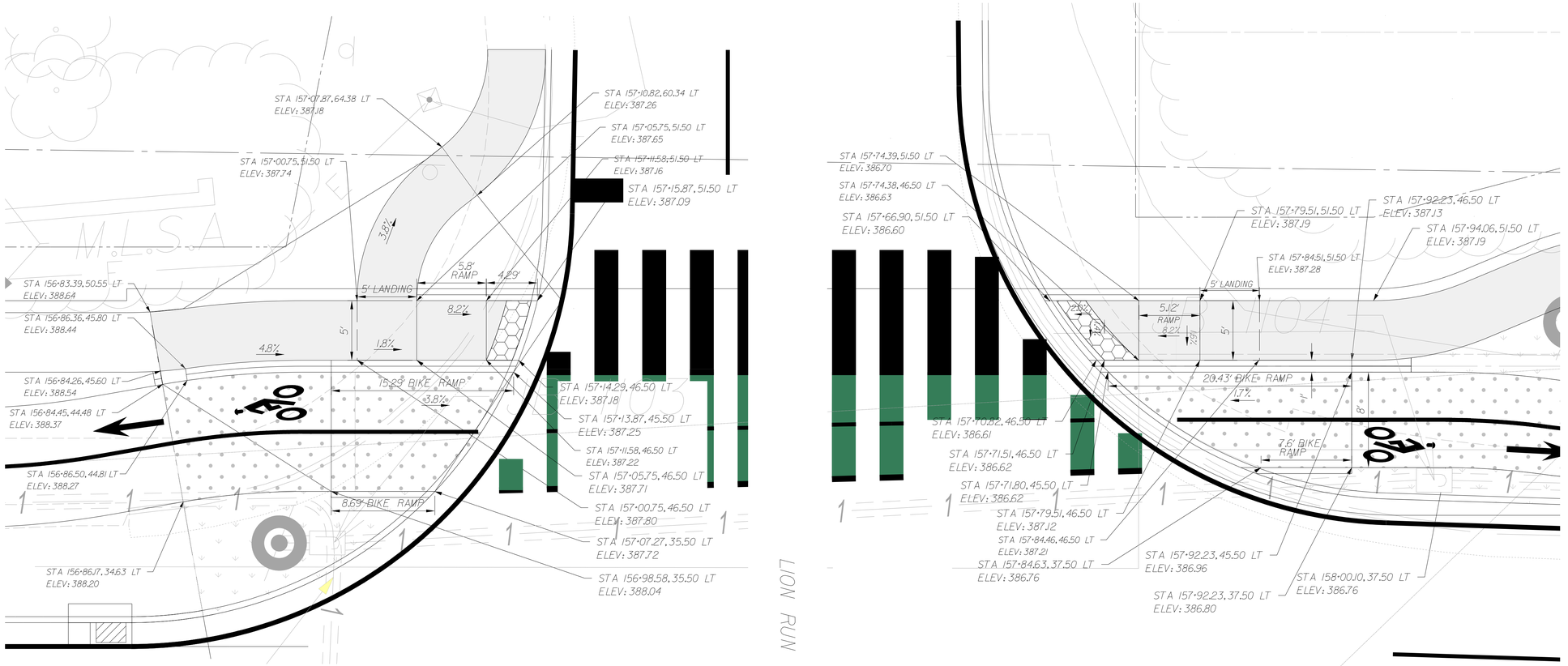
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CURB RAMP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int33$

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CURB RAMP DETAIL 17

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(15)
Bus Stop Detail Plan	IH(39) - IH(26)

	PROJECT	SHEET NO.
	U000-151-R94	$Int33$

FINAL PLANS

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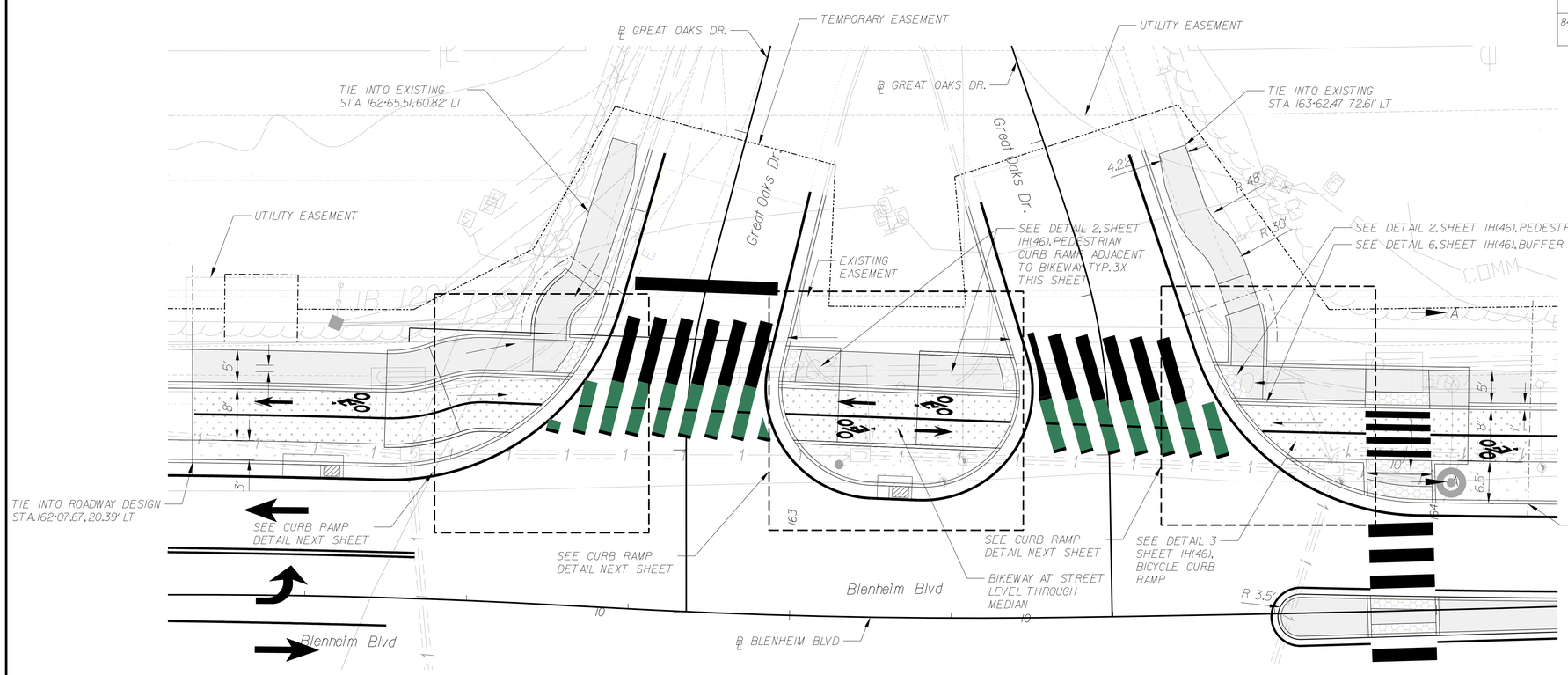
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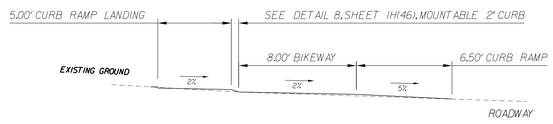
INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(34)

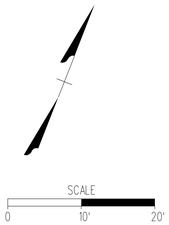
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SECTION A-A



LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(26)

PROJECT	SHEET NO.
U000-151-R94	IH(34)

INTERSECTION DETAIL 18

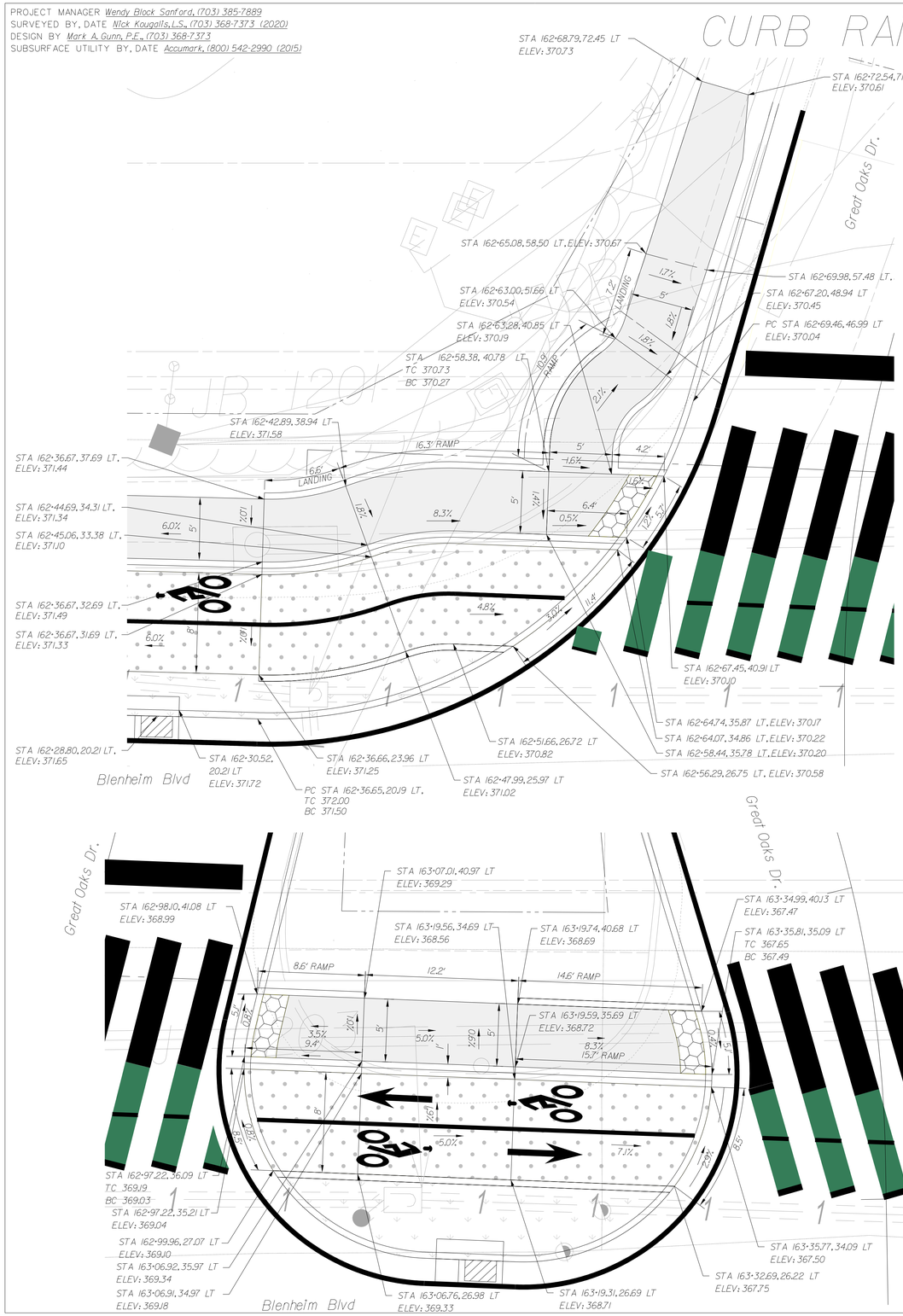
FINAL PLANS

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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CURB RAMP DETAIL PLAN



REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int35$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

SCALE
0 5' 10'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(26)

	PROJECT	SHEET NO.
	U000-151-R94	$int35$

CURB RAMP DETAIL 18

FINAL PLANS

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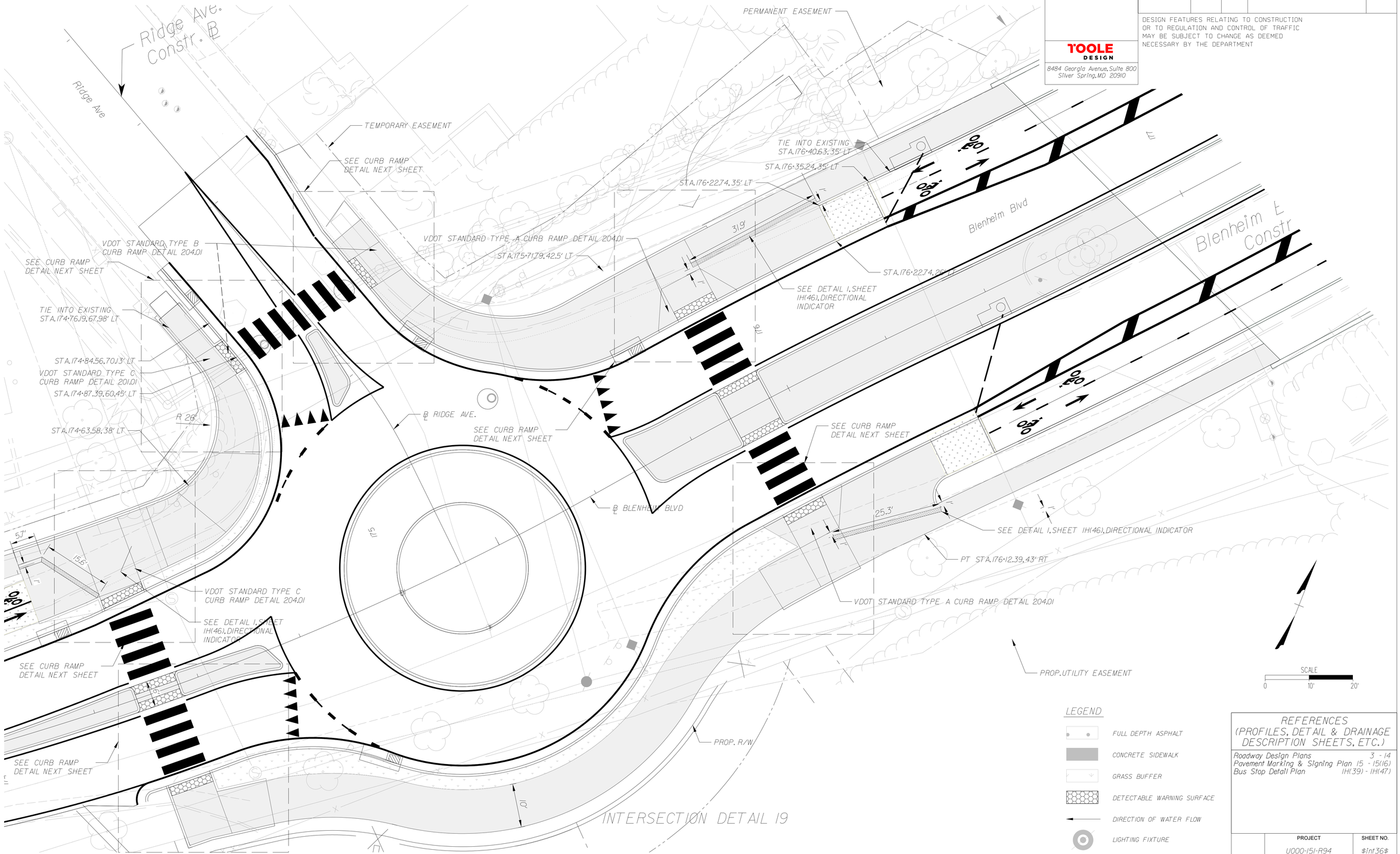
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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INTERSECTION DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int36$

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SCALE
0 10' 20'

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	$Int36$

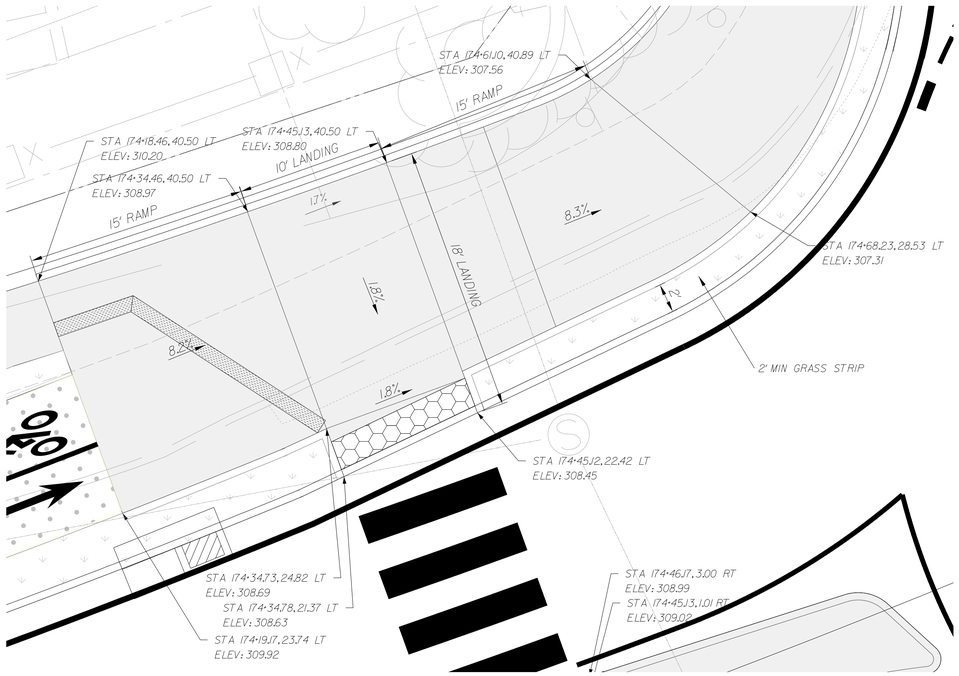
FINAL PLANS

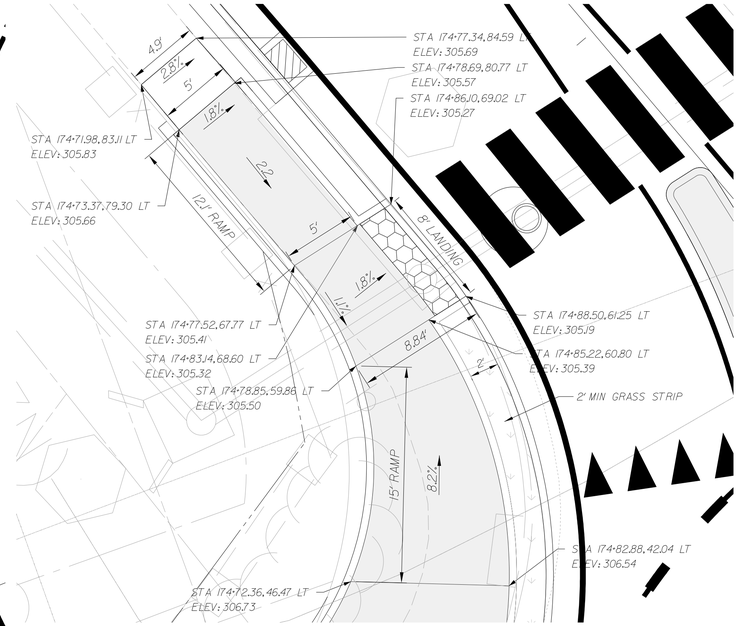
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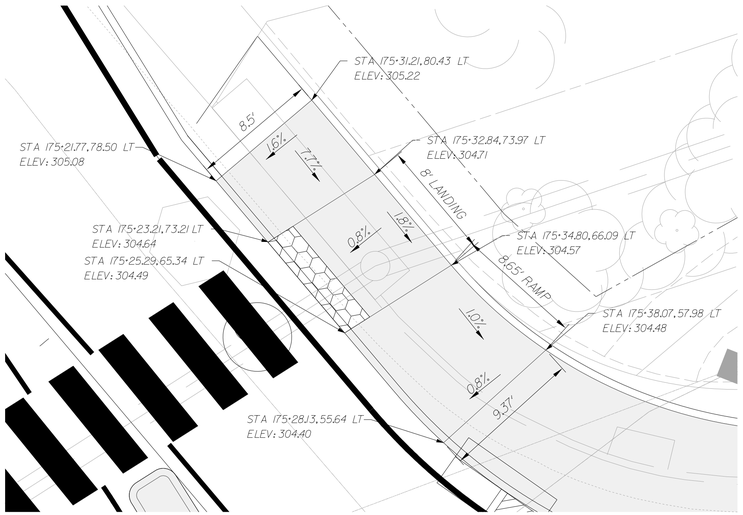
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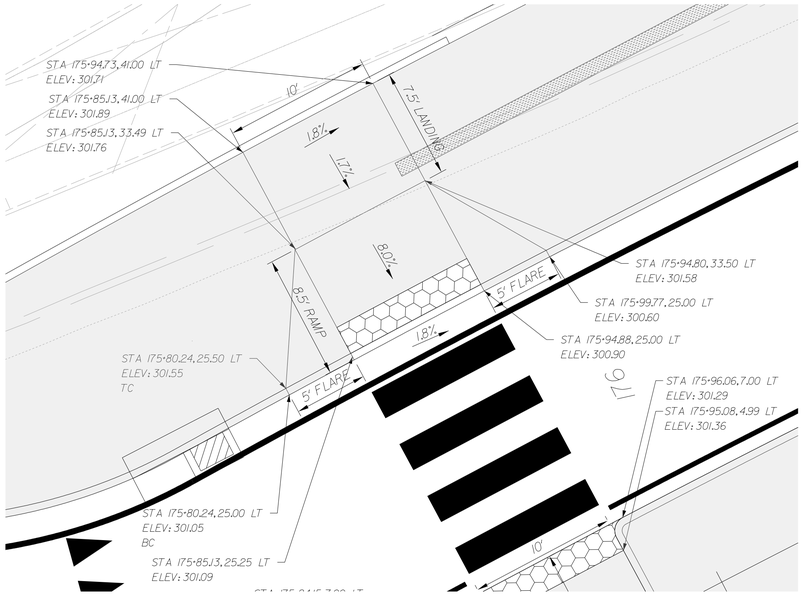
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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CURB RAMP DETAIL PLAN









CURB RAMP DETAIL 19

SCALE
0 5' 10'

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int37$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(16)
Bus Stop Detail Plan	IH(39) - IH(47)

PROJECT	SHEET NO.
U000-151-R94	$Int37$

FINAL PLANS

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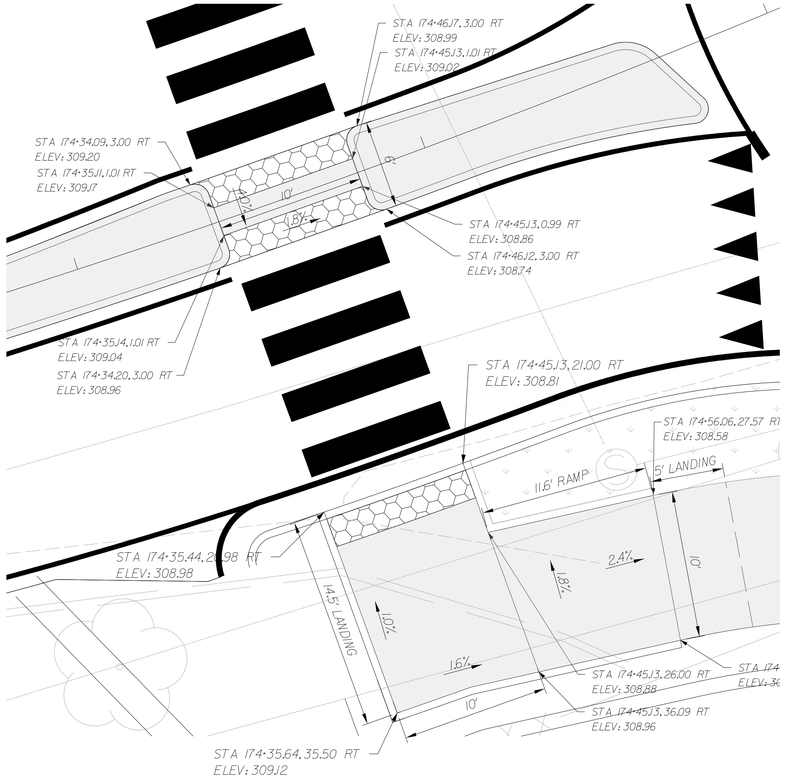
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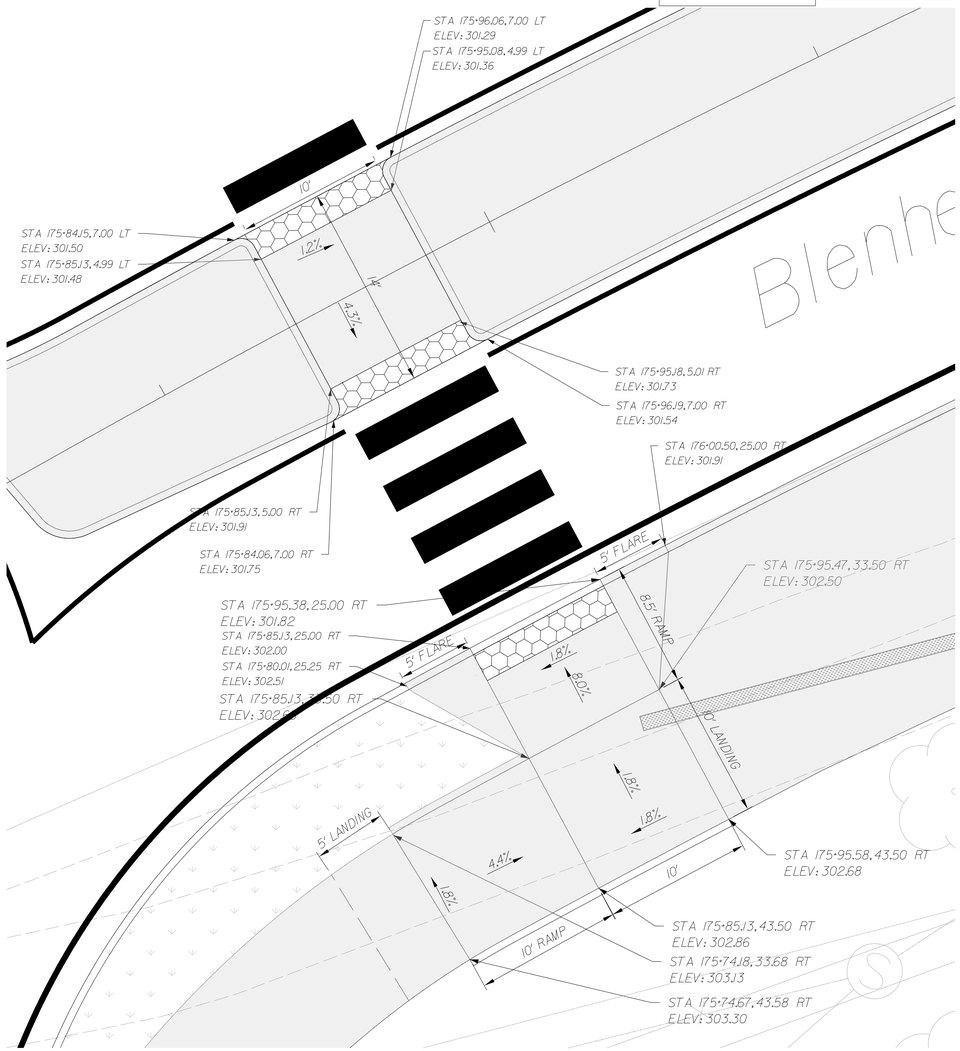
CURB RAMP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	$Int38$

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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SCALE
0 5' 10'

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE
- SIDEWALK JOINT LINE

CURB RAMP DETAIL 20

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking & Signing Plan	15 - 15(15)
Bus Stop Detail Plan	IH(39) - IH(26)

	PROJECT	SHEET NO.
	U000-151-R94	$Int38$

FINAL PLANS

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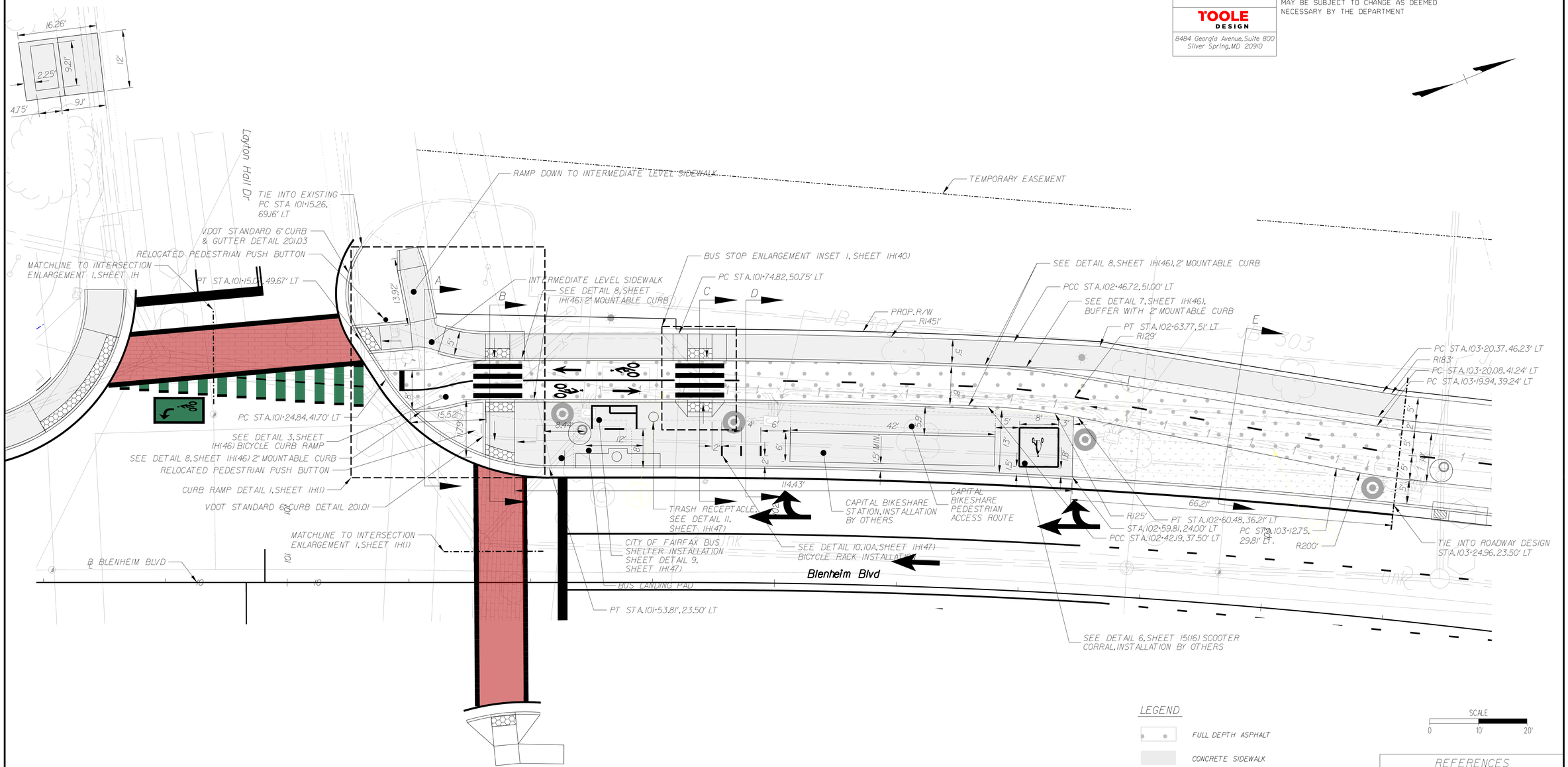
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BUS STOP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(39)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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BUS STOP DETAIL I

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE (DWS)
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

NOTE: FOR BUS STOP SECTION VIEWS SEE SHEET IH(45)

SCALE
0 10' 20'

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking and Signing Plan	15-15(15)
Intersection Detail Plan	IH-IH(18)

	PROJECT	SHEET NO.
	U000-151-R94	IH(39)

FINAL PLANS

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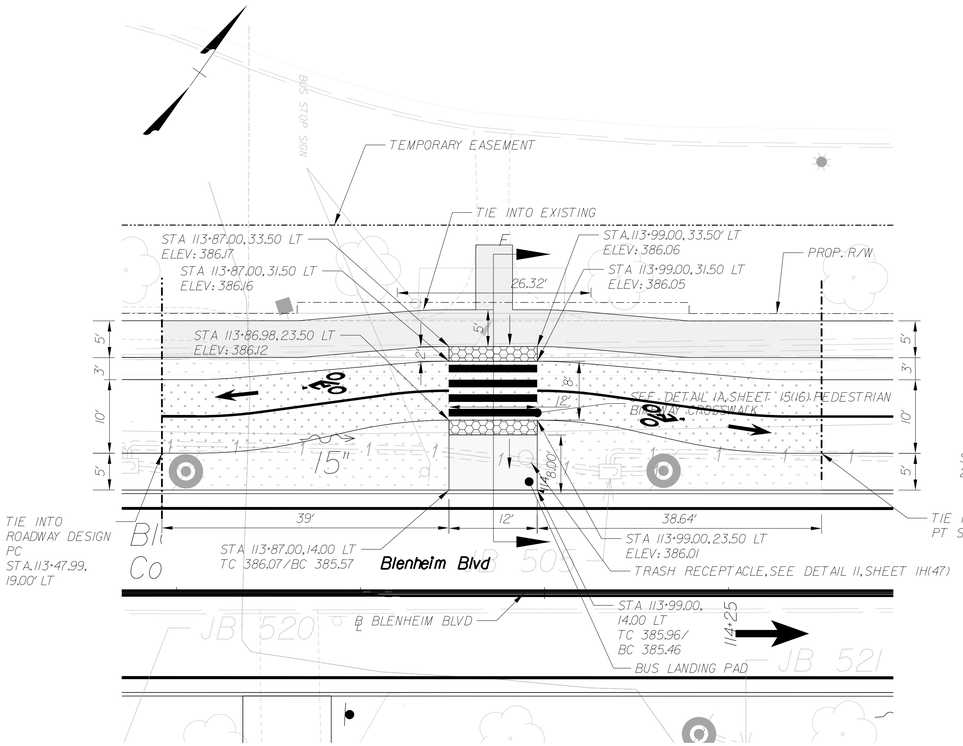
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BUS STOP DETAIL PLAN

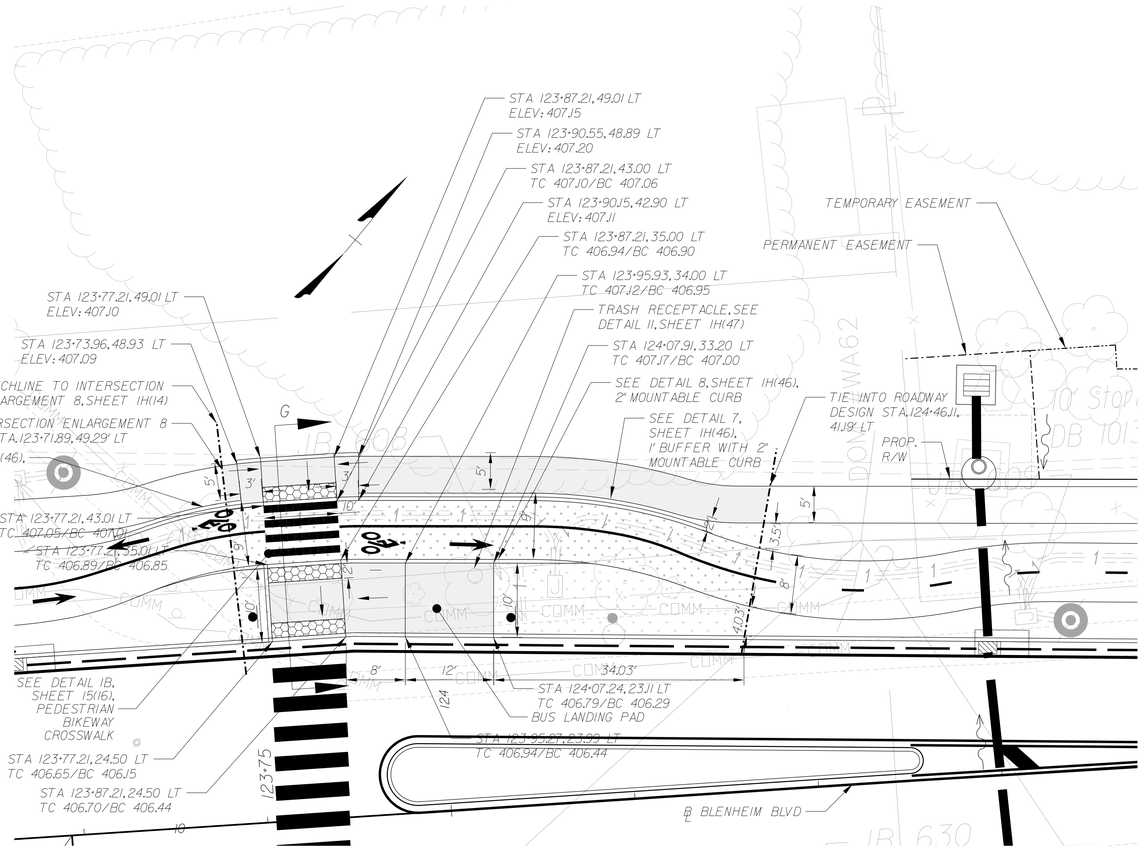
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(41)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Silver Spring, MD 20910



BUS STOP DETAIL 2



BUS STOP DETAIL 3

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE (DWS)
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking and Signing Plan	15-15(15)
Intersection Detail Plan	IH-IH(18)

PROJECT	SHEET NO.
U000-151-R94	IH(41)

FINAL PLANS

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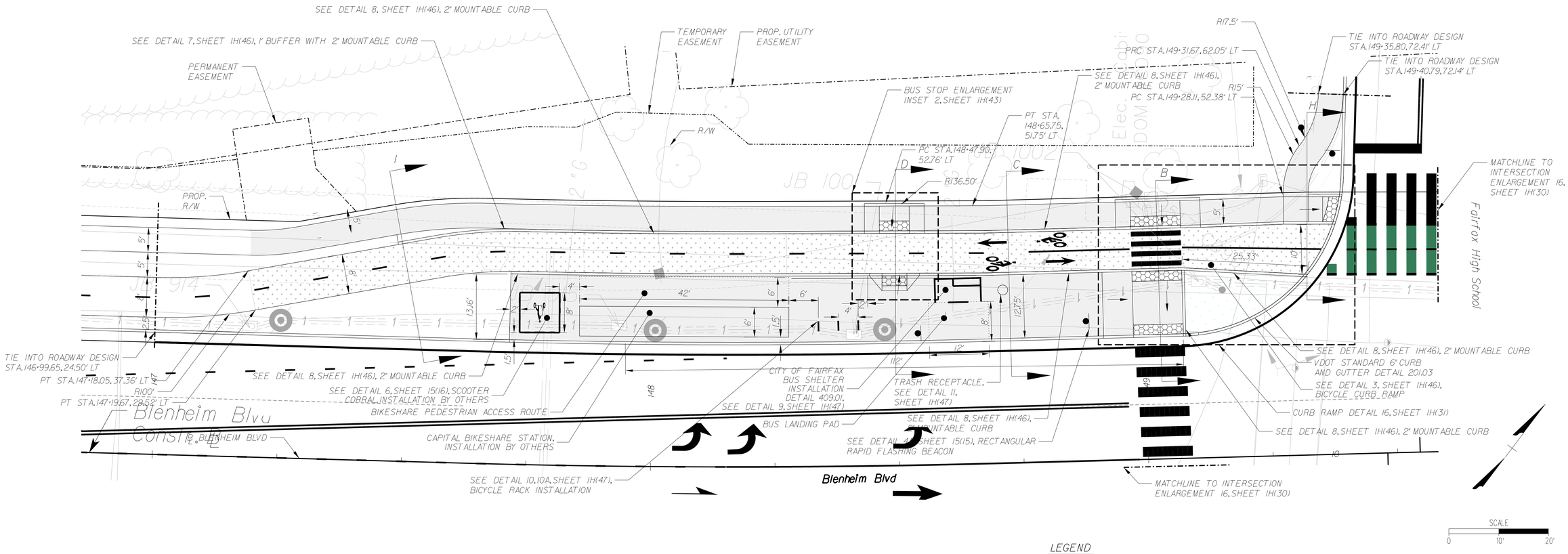
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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BUS STOP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(42)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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BUS STOP DETAIL 4

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE (DWS)
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking and Signing Plan	15-15(15)
Intersection Detail Plan	IH-IH(18)

PROJECT	SHEET NO.
U000-151-R94	IH(42)

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FAX: 301.927.2800
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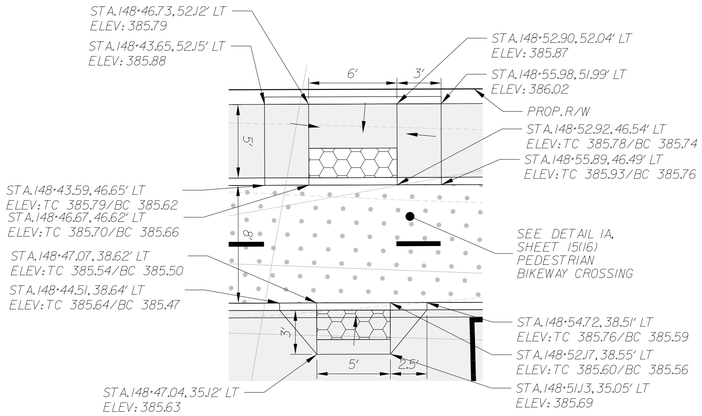
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

BUS STOP DETAIL PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(43)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



BUS STOP DETAIL INSET 2

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE (DWS)
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 5' 10'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking and Signing Plan	15-15(15)
Intersection Detail Plan	1H-1H(18)

	PROJECT	SHEET NO.
	U000-151-R94	1H(43)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

TOOLE DESIGN
8484 GEORGIA AVENUE, SUITE 800
SILVER SPRING, MD 20910
PHONE: 301.927.1900
FAX: 301.927.2800
www.tooledesign.com

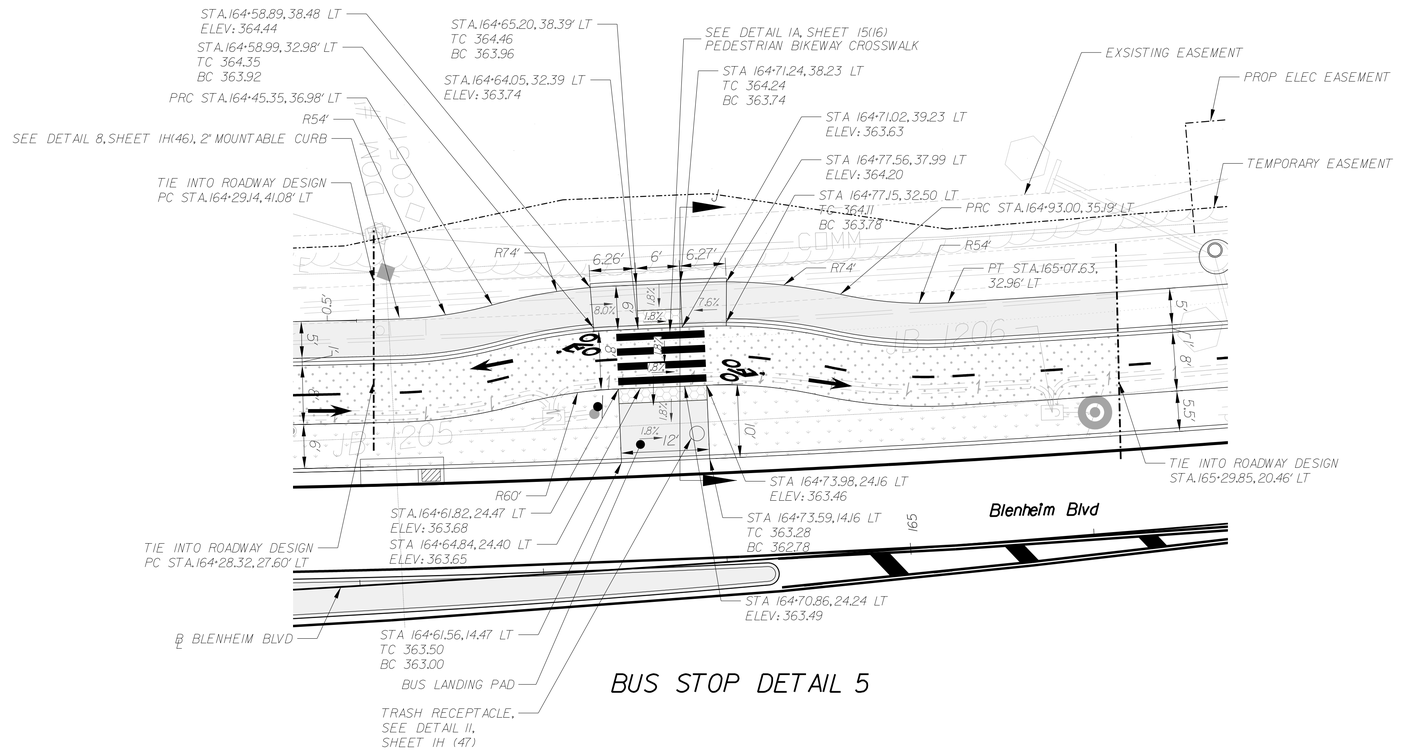
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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

BUS STOP DETAIL PLAN

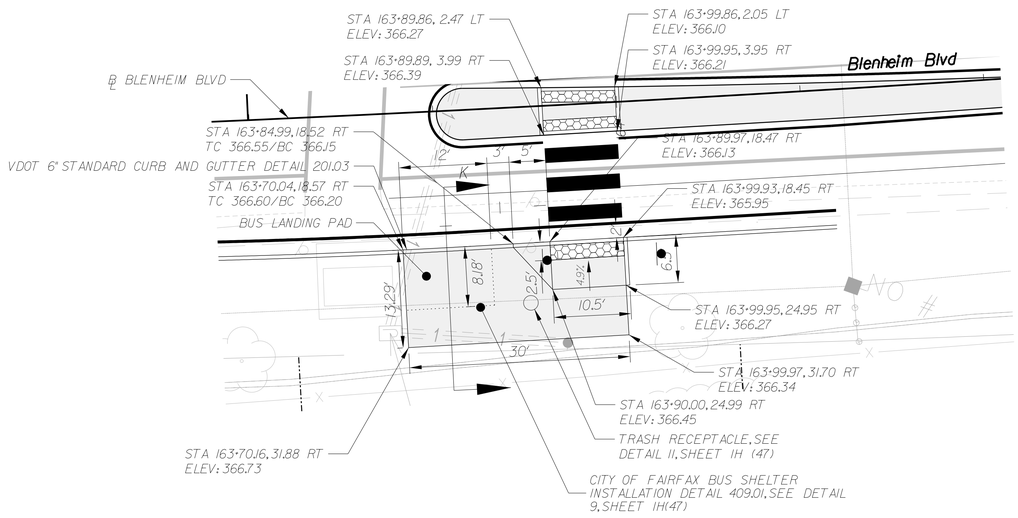
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	IH(44)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



BUS STOP DETAIL 5



BUS STOP DETAIL 6

LEGEND

- FULL DEPTH ASPHALT
- CONCRETE SIDEWALK
- GRASS BUFFER
- DETECTABLE WARNING SURFACE (DWS)
- DIRECTION OF WATER FLOW
- LIGHTING FIXTURE

SCALE
0 10' 20'

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 - 14
Pavement Marking and Signing Plan	15-15(15)
Intersection Detail Plan	IH-IH(18)

	PROJECT	SHEET NO.
	U000-151-R94	IH(44)

FINAL PLANS

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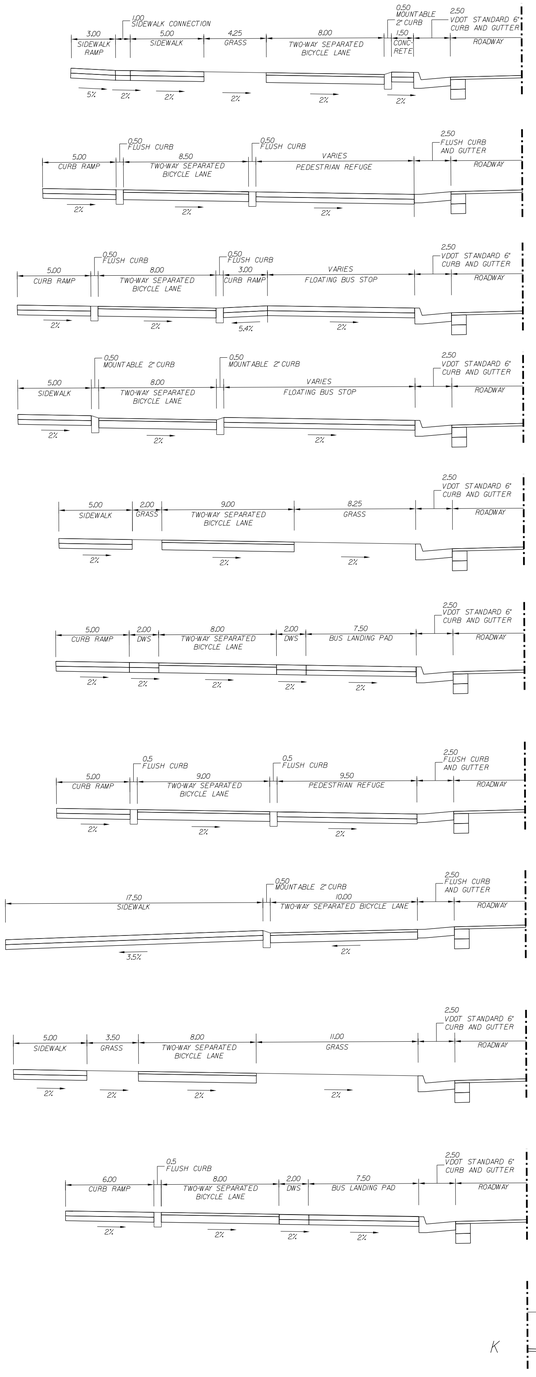
3/24/2025
12:07:12 PM

d107013_01B(41).dgn
Plotted By: TonyTrefzger

TOOLE DESIGN
8484 GEORGIA AVENUE, SUITE 800
SILVER SPRING, MD 20910
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

BUS STOP DETAIL PLAN



BUS STOP SECTION VIEWS

SCALE
0 5' 10'

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(45)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910

PROJECT	SHEET NO.
U000-151-R94	1H(45)

FINAL PLANS

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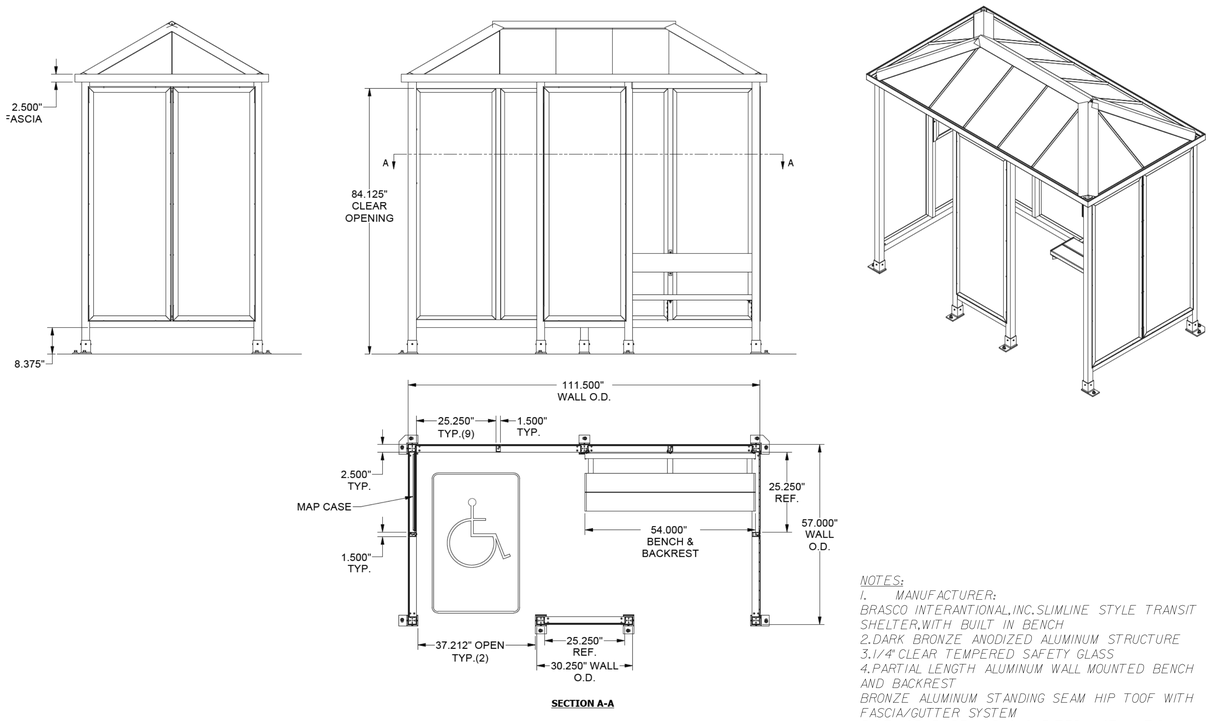
PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

BUS STOP DETAIL SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6228	U000-151-R94	1H(47)

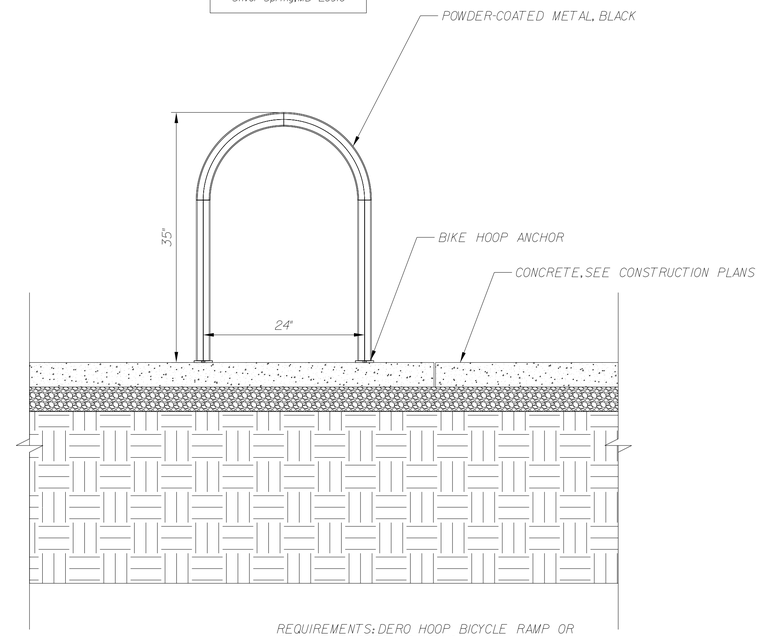
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TOOLE DESIGN
8484 Georgia Avenue, Suite 800
Silver Spring, MD 20910



DETAIL 9: BUS SHELTER
N.T.S.

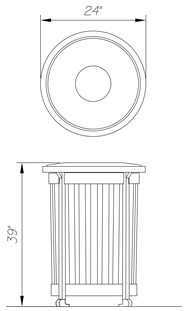
NOTES:
1. MANUFACTURER:
BRASCO INTERANTIONAL, INC. SLIMLINE STYLE TRANSIT SHELTER, WITH BUILT IN BENCH
2. DARK BRONZE ANODIZED ALUMINUM STRUCTURE
3. 1/4" CLEAR TEMPERED SAFETY GLASS
4. PARTIAL LENGTH ALUMINUM WALL MOUNTED BENCH AND BACKREST
BRONZE ALUMINUM STANDING SEAM HIP TOOF WITH FASCIA/GUTTER SYSTEM
5. CITY OF FAIRFAX BUS SHELTER INSTALLATION DETAIL 409.01



REQUIREMENTS: DERO HOOP BICYCLE RAMP OR EQUAL; EMBEDDED MOUNTING

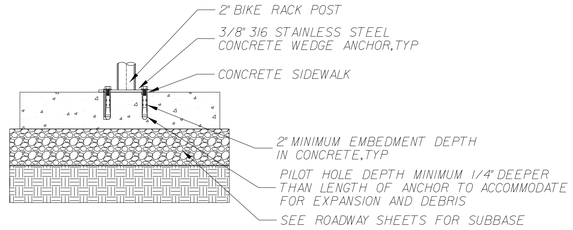
DETAIL 10: HOOP BIKE RACK EMBEDDED IN CONCRETE
N.T.S.

NOTES:
1. ALL ANCHORS TO BE 316 STAINLESS STEEL.
2. ANCHOR MUST BE EMBEDDED A MINIMUM OF 2" IN CONCRETE BASE.
3. CONTRACTOR TO VERIFY DISTANCE BETWEEN ANCHORS ONCE BIKE RACK ARRIVES ON SITE.
4. ENGINEER TO APPROVE ANY ANCHOR SUBSTITUTIONS.
5. FOLLOW ALL MANUFACTURER INSTALLATION INSTRUCTIONS.
6. WITHIN 24 HOURS OF INSTALLATION CONCRETE ANCHOR MUST BE PAINTED BLACK WITH INDUSTRIAL GRADE PAINT.



NOTES:
1. COORDINATE WITH CITY OF FAIRFAX FOR OPTIMAL LOGO BANDING
2. MATERIAL: CAST ALUMINUM, SPUN ALUMINUM TOP; CAST IRON BASE; STAINLESS STEEL FASTENERS
3. COLOR: MATTE BLACK, POLYESTER POWDER COAT
4. MANUFACTURER: LANDSCAPE FORMS CHASE PARK LITTER, OR EQUAL

DETAIL 11: TRASH RECEPTACLE
N.T.S.



DETAIL 10A: HOOP BIKE RACK ANCHOR
N.T.S.

	PROJECT	SHEET NO.
	U000-151-R94	1H(47)

FINAL PLANS

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Temporary Traffic Control General Notes

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1J

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Temporary Traffic Control Plan

General Notes:

1 Transportation Management Plan/Sequence of Construction Type B Project Information:

a Identify the project's TMP Type:
This project's TMP/SOC has been designed in conformance with a Type B TMP/SOC.

b Identify the work zone location, length, and widths:
The project location is as shown on Sheet 1A. The work zone areas have been delineated as shown on the TMP/SOC Sheet 1K series. The work zone lengths and widths vary by location as shown in these plans.

c Note the hours the Construction Area will be active:
Construction Area shall be considered active when any impact to traffic occurs (1st Cone in Road). Construction Area hours have the following limitations, unless otherwise approved or directed by the engineer and City of Fairfax:

One-lane closures will be restricted to the hours of 9:00am to 2:00pm, Monday through Friday. No lane closures will be allowed from noon on the day before a holiday until noon on the workday following the holiday. Holidays include all State and Federal holidays.

Designation of Night Time Hours and Peak Hour Times:
Night time hours shall be designated as hours between 9:30pm through 4:30am.
Peak hours are 6:00am through 9:00am & 2:00pm through 7:00pm.

d The TMP/SOC, during construction, shall be in accordance with the Virginia Department of Transportation Road and Bridge Specifications, dated 2020; the 2011 Virginia Work Area Protection Manual, revised 2020; the Manual on Uniform Traffic Control Devices (MUTCD), Revision 1 & 2, 2009 Edition; and the Virginia Supplement to the MUTCD, dated 2011.

e Note any existing entrances, existing intersections, or existing pedestrian access points that will be affected by the Construction Area or by the traffic control devices:

Existing Entrances:
All existing commercial or private entrances shall remain open for the duration of construction. The Contractor shall ensure that all entrance accessibility is maintained during construction.

Existing Intersections:
There are 13 existing intersections within the project limits:
A signalized intersection of Blenheim Boulevard and Layton Hall Drive/Farrcroft Drive at approximate station 101+00.
An unsignalized intersection of Blenheim Boulevard & and Colony Road at approximate station 119+50.
An unsignalized intersection of Blenheim Boulevard & and Old Post Road at approximate station 123+00.
An unsignalized intersection of Blenheim Boulevard & and Heritage Lane at approximate station 126+75.
An unsignalized intersection of Blenheim Boulevard & and Parklane Road at approximate station 130+25.
An unsignalized intersection of Blenheim Boulevard & and Embassy Lane at approximate station 133+25.
An unsignalized intersection of Blenheim Boulevard & and Brookwood Drive at approximate station 136+50 and 137+75..
An unsignalized intersection of Blenheim Boulevard & and Queen Anne Drive at approximate station 141+25.
An unsignalized intersection of Blenheim Boulevard & and Country Hill Drive at approximate station 144+75.
An unsignalized intersection of Blenheim Boulevard & and Cornell Road at approximate station 149+50.
An unsignalized intersection of Blenheim Boulevard & and Lion Run at approximate station 157+25.
An unsignalized intersection of Blenheim Boulevard & and Great Oaks Drive at approximate station 163+00.
An unsignalized intersection of Blenheim Boulevard & and Ridge Avenue at approximate station 175+00.
All intersections shall remain operational during the duration of the project.

Existing Pedestrian Access Points:
There are existing crosswalks at the signalized intersection with Layton Hall Drive/Farrcroft Drive and unsignalized intersections with Old Post Road, Heritage Lane, Brookwood Drive, Cornell Road, Lion Run, and Ridge Avenue. The contractor shall ensure safe access to pedestrians.

Existing Bus Stops:
There are sixteen existing bus stops within this project, located along Blenheim Blvd.

f Identify the major types of travelers:
The roadway carries diverse types of travelers. In the peak hours however, daily commuters are the prevailing traveler type for this roadway.

g The Contractor, at no additional cost to the project and which shall be considered incidental to the cost of the project, shall:

Designate a person assigned to the project who will have the primary responsibility, with sufficient authority, for implementing the TMP/SOC and other safety and mobility aspects of the permit work. This person shall be designated the "Project Safety Officer."

Ensure that personnel assigned to the project are trained in traffic control to a level commensurate with their responsibilities in accordance with VDOT's work zone traffic control training guidelines.

Inform the City of Fairfax, and/or the Engineer of any work requiring lane shifts, lane closures, and/or phase changes a minimum of one week prior to implementing this activity. City of Fairfax may use various media publications to announce changes in traffic conditions for which the Contractor shall provide information as needed at no additional cost to the project.

Perform reviews of the Construction Area to ensure compliance with contract documents at regularly scheduled intervals at the direction of the Engineer. Contractor shall maintain a copy of the temporary traffic control plan at the work site at all times.

Coordinate with the City of Fairfax Police Department, City of Fairfax Fire/Rescue Department, and Virginia State Police for any lane closures and any detours of any nature at no additional cost to the project.

Notify the Lane Closure Advisory Management System (LCAMS) 48 hours in advance in order to place lane closure information on the 511 System and VA-Traffic.

Schedule all phases of construction in such a manner that water, sanitary sewer, cable, fiber cable/optic cable, any overhanging utilities, and any underground utilities services will not be interrupted.

h During non-working hours, all construction equipment is to stay outside of the construction area clear zone as designated in the VWAPM, Appendix A. Construction equipment (including temporary concrete traffic barrier service) is not to block or obstruct sight distance at any intersection or private entrance along the project when the construction work zone is active.

2 This TMP/SOC plan is intended as a guide. It is not to enumerate every detail which must be considered in the construction of each phase, but only to show the general handling of existing traffic. The distance requirements for the advance warning signs, the contractor may modify the TTC examples in the Virginia Work Area Protection Manual only slightly. Any significant deviation will require a signed and sealed plan to be submitted for approval PRIOR to work at the proposed location. It shall be the responsibility of the Contractor to present a formal TMP/SOC plans with construction signage.

3 Contractor shall follow the geotechnical recommendations for the project. Materials designated as unsuitable material as detailed in the geotechnical recommendations shall be disposed of off site and are not to be used for any part of construction.

4 Existing surface, aggregate base, and sub base material which will be demolished or obliterated during construction, and which are suitable for maintenance of traffic, should be utilized prior to the use of commercial material.

5 Each phase of construction shall be completed to the installation of intermediate course asphalt prior to the start of the next phase unless otherwise directed by the Engineer.

6 Contractor shall ensure positive drainage for the duration of the project. Contractor shall add any additional temporary measures necessary to facilitate proper, positive drainage for the duration of construction.

7 Where Group I or Group 2 Channelizing Devices are used to separate the Construction Area and traffic, a minimum clear zone area as defined in the VWAPM, Appendix A is to be maintained.

8 The Contractor is to coordinate with City of Fairfax for location(s) of the construction staging area(s). Contractor shall obtain all necessary permits and easements for the construction staging area and/or office to be located on site within the project limits. The Contractor is responsible for these costs (permits, easements), and they shall be incidental to the project and not paid for as a separate item.

9 All areas excavated below the existing pavement surface and within the clear zone at the conclusion of each workday, shall be backfilled to form an approximate 6:1 wedge against the existing pavement or newly constructed pavement surface for the safety and protection of vehicular traffic. All costs for placing, maintaining, and removing 6:1 wedge shall be included in the price bid for other items in the contract and no additional compensation shall be allowed.

10 The mill and overlay areas to be done in accordance with VWAPM, Rev.2 and st'd ACOT-1, where appropriate, to ensure smooth transition.

11 PUBLIC COMMUNICATIONS PLAN
The Contractor shall be responsible for:

a Notifying the Project Manager/Residency Administrator two weeks in advance of any scheduled work plans and traffic delays.

b Notifying the Project Manager/Residency Administrator, Regional Operations Manager, and the Public Affairs Staff of any unscheduled traffic delays.

12 TRANSPORTATION OPERATIONS
The Contractor shall be responsible for implementing and providing the following:

a Post a list of local emergency response agencies inside the project's construction office/trailer.

b Immediately report any traffic incidents that may occur in the work zone.

c Notify the project's Maintenance of Traffic Coordinator, Project Manager, Resident Administrator, District Work Zone Safety Coordinator, District Traffic Engineer, the City Operations Manager, and Public Affairs Manager of any incidents and expected traffic delays.

d Within 24 hours of any incidents within the construction work zone, a review of the traffic controls shall be completed and necessary adjustments made to reduce the frequency and severity of any future incidents.

GENERAL SEQUENCE OF CONSTRUCTION (SOC) NOTES

Note: VWAPM - Virginia Work Area Protection Manual

1. Contractor is responsible for ensuring proper positive drainage for the duration of all phases and installing any necessary measures to facilitate proper drainage.

2. Contractor shall make any necessary adjustments during both work and non-work hours to ensure the protection and safety of the adjacent property owners, pedestrians, vehicular traffic, and the general public from any construction related activity, construction equipment, and the construction site itself.

CONTACT NUMBERS

Project Manager	Sunny Sarna	(703) 273-3067
Construction Manager	TBD	TBD
Construction Safety Manager	TBD	TBD
Public Relations	TBD	TBD
Emergency Call		911
Non-Emergency Numbers:		
City of Fairfax Police		(703) 246-2253
City of Fairfax Fire & Rescue		(703) 246-2126

TMP/SOC Designer:
Adam Welschenbach
Advance Work Zone Traffic Control Training, VDOT Certificate No. 010720206, Expires 1/31/2024

Commonwealth of Virginia
Virginia Department of Transportation
VDOT

VERIFICATION OF COMPLETION OF
ADVANCED WORK ZONE TRAFFIC CONTROL TRAINING
AND FLAGGER CERTIFICATION

This is to verify that **Adam Welschenbach** has successfully completed training and an examination by the Department on the proper practices and methods for the installation, maintenance, removal of temporary traffic control devices and flagging operations.

Date: 1/7/2020

State Traffic Engineer

Verification No. : 010720206 Expiration Date: 1/31/2024

4/22/2025

	PROJECT	SHEET NO.
	U000-151-R94	1J

FINAL PLANS

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

TMP-SOC: GENERAL SEQUENCE OF CONSTRUCTION NARRATIVE

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJ(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 1 Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 1 is completed, unless directed by the Engineer. Contractor shall install the reduced speed signs of 25 mph as shown on plans.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 1, within the existing Right of Way and/or Easements

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 1 and install all traffic control measures and devices, including signs, and channelizing devices per VWAPM TTC-4.2, TTC-5.2, TTC-7.1, and TTC-23.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement additional lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for construction of areas built under traffic, as specified on plans.

E. Contractor shall install storm drainage structures in Phase 1 work areas and the storm pipe runs between these structures. Contractor shall install temporary manhole frame for structures, as shown on plans, and cover flush with pavement.

F. Contractor shall construct Permanent Full Depth Pavement up to Prop. Edge of Pavement and construct temporary pavement widening beyond the Prop. Edge of Pavement, as shown in TMP/SOC Phase 1.

G. Contractor shall implement detour route for pedestrians (see Sheets IK(7) thru IK(8)).

Phase 1A Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 1A is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 1A, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas built under traffic designated for construction in TMP/SOC Phase 1A and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-23.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall close the crosswalk as shown on plans and reroute pedestrians crossing Blenheim Blvd. to use the existing crosswalks at Sta. 106+75 and / or Sta. 116+85.

Phase 2 Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 2 is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 2, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 2 and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-4.2, TTC-5.2, TTC-7.1, and TTC-23.2 including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall implement TTC-4.2 and TTC-7.1 on Blenheim Blvd. and utilize group II channelizing devices to close the Eastbound shoulder, as necessary, to allow for the construction of the roadway, as shown on plans.

F. Contractor shall install storm structures and storm pipe runs on Blenheim Blvd., as shown on plans, by implementing TTC-23.2 and applying daily lane closures with flagger operations during non-peak hours, as necessary.

G. Contractor shall construct the areas designated for construction in this phase so that no more than ONE bus stop is non-operational at a time. Contractor shall coordinate bus stop closures with Fairfax County Connector (local bus system) and ensure that the next and previous bus stops are operational.

H. Contractor shall implement detour route for pedestrians (see Sheets IL(2) thru IL(4)). For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Phase 2A Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 2A is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 2A, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 2A and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-4.2, TTC-5.2, TC-7.1, TTC-16.2, TTC-17.2, and TTC-23.2 including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall implement TTC-16.2 and TTC-17.2 and alternate lane closures on Ridge Avenue during non-peak hours and sequence construction to maintain traffic flow. Contractor shall mill and overlay existing pavement and construct proposed roadway.

F. Contractor shall implement TTC-4.2 and TTC-7.1 on Blenheim Blvd. and utilize group II channelizing devices to close the Westbound shoulder, as necessary, to allow for construction of the Westbound Corridor, as shown on plans.

G. Contractor shall install storm structures and storm pipe run on the north side of Blenheim Blvd., as shown on plans.

H. Contractor shall implement TTC-23.2 on Blenheim Blvd. and apply daily lane closures with flagger operations during non-peak hours to trench and install storm pipe crossing at Sta. 117+70 and Sta. 144+10, as shown on plans.

I. Contractor to implement alternating one way traffic under flagging operation (TTC-23.2) and / or TTC-5.2 during non-peak hours to trench proposed culvert at Ridge Avenue prior to pavement work in the area.

J. Contractor shall plan accordingly to perform construction activities from Cornell Road to Ridge Avenue during Fairfax County Public Schools summer break to avoid additional pedestrian movements at this area during construction.

K. Contractor shall construct the areas designated for construction in this phase so that no more than ONE bus stop is non-operational at a time. Contractor shall coordinate bus stop closures with Fairfax County Connector (local bus system) and ensure that the next and previous bus stops are operational.

L. Contractor shall implement detour route for pedestrians (see Sheets IL(12) thru IL(15)). For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Phase 3 Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 3 is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 3, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 3 and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-4.2, TTC-5.2, TTC-7.1, TTC-23.2, and TTC-24.2 including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall implement TTC-4.2 and TTC-7.1 on Blenheim Blvd. and utilize group II channelizing devices to close the Westbound and Eastbound shoulders, as necessary, to allow for construction of the roadway, as shown on plans.

F. Contractor shall implement TTC-24.2 on Blenheim Blvd. to implement alternating one way traffic under flagger operations, as necessary, to allow for the construction of the roadway, as shown on plans. When implementing lane closures, Contractor shall construct the corridor ONE segment at a time, implementing alternating one way traffic under flagger operations for each respective segment accordingly. Contractor shall segment construction so that no more than 500' of traffic on Blenheim Blvd. is under flagger operation at a time.

G. Contractor shall implement TTC-5.2 and close the Eastbound shoulder on Blenheim Blvd. to allow for the construction of the Proposed Bus Stop at Sta. 165+00, as shown on plans.

H. Contractor shall install storm structures and storm pipe runs on Blenheim Blvd., as shown on plans, by implementing TTC-23.2 and applying daily lane closures with flagger operations during non-peak hours, as necessary.

I. Contractor shall construct the areas designated for construction in this phase so that no more than ONE bus stop is non-operational at a time. Contractor shall coordinate bus stop closures with Fairfax County Connector (local bus system) and ensure that the next and previous bus stops are operational.

J. Prior to beginning construction for Phase 3, Contractor shall perform milling / overlaying on Blenheim Road and connecting roads / entrances from Sta. 150+00 to Sta. 170+00 and install permanent pavement markings for this station range as shown in TMP/SOC Phase 3 plans. See Sheets 15(2) thru 15(15) for Pavement Marking Plans.

K. Contractor shall implement detour route for pedestrians (see Sheets IM(7) thru IM(13)). For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Phase 4 Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 4 is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 4, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 4 and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-21J, TTC-23.2, TTC-33.2, and TTC-40.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. Contractor shall implement TTC-40.2 on Layton Hall Drive and shift EB lanes of traffic to allow for construction of the Bus Stop and Curb Ramp, as shown on plans. Contractor shall close the sidewalk as shown on plans and reroute the pedestrian traffic on the north side of Layton Hall Drive sidewalk.

E. Contractor shall implement TTC-21J on Blenheim Blvd. and utilize group I channelizing devices to close the center lane and allow for construction of the median at Sta. 107+50, as shown on plans.

F. Contractor shall implement TTC-23.2 on Blenheim Blvd. and utilize group I channelizing devices and run alternating one way traffic under flagger operations on the Eastbound lane to allow for construction of the medians at Sta. 107+75, Sta. 124+00, and Sta. 164+00, as shown on plans.

G. Contractor shall implement TTC-33.2 on Blenheim Blvd. and utilize group 2 channelizing devices and run alternating one way traffic under flagger operations in the Eastbound lane to allow for construction of the Center Island of the roundabout at Ridge Ave., as shown on plans.

H. Prior to beginning construction for Phase 4, Contractor shall perform milling / overlaying on Blenheim Road and connecting roads / entrances from Sta. 101+30 to Sta. 150+00 and install permanent pavement markings for this station range as shown in TMP/SOC Phase 3 plans. See Sheets 15(2) thru 15(15) for Pavement Marking Plans.

Phase 4A Sequence of Construction (SQC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 4A is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 4A, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 4A and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-5.2 and TTC-23.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. Contractor shall implement TTC-5.2 on Blenheim Blvd. and utilize group I channelizing devices to close the center of the lane as necessary to allow for construction of the median, as shown on plans.

E. Contractor shall implement TTC-23.2 on Blenheim Blvd. and apply daily lane closures with flagger operations during non-peak hours to trench and install storm pipe crossing at Sta. 176+50, as shown on plans.

F. At the end of Phase 4A construction, Contractor shall ensure ALL milling and overlaying is performed and ALL permanent proposed pavement markings are installed throughout the project. See Sheets 15(2) thru 15(15) for Pavement Marking Plans.

PROJECT	SHEET NO.
U000-151-R94	IJ(1)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control TTC Notes and Figures

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJ(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Typical Traffic Control
Stationary Operation on a Shoulder
(Figure TTC-4.2)
NOTES

Standard

1. **For long-term stationary work (more than 3 days) on divided highways having a median wider than 8', sign assemblies on both sides of the roadway shall be required as shown (ROAD WORK AHEAD (W20-1), RIGHT SHOULDER CLOSED AHEAD (W21-5bR), RIGHT SHOULDER CLOSED (W21-5aR)'), even though only one shoulder is being closed. For operations less than 3 days in duration, sign assemblies will only be required on the side where the shoulder is being closed.**

Guidance

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*

Option:

3. The SHOULDER WORK (W21-5) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity amber rotating, flashing, or[1] oscillating lights is used.

Standard:

5. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[1] oscillating, lights.**
6. **Taper length (L) shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S/W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S/W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S/W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S/W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Limited Access highways shall use a 1000' merging taper regardless of the posted speed, for shifting taper see Table 6H-2[2]

Shoulder Taper = ½ L Minimum

7. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing

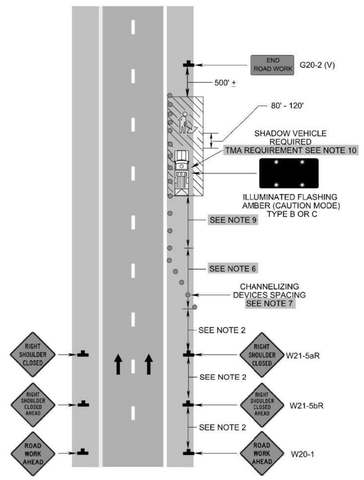
Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +
Transition	20'	40'	Traveway	40'	60'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.

8. **On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.**
9. **The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A truck-mounted attenuator (TMA) shall be used on the shadow vehicle on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph for operations with a duration greater than 60 minutes.**
11. **When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.**

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Stationary Operation on a Shoulder
(Figure TTC-4.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)
NOTES

Standard

1. **For required sign assemblies for multi-lane roadways see Note 1, TTC-4.[1]**

Guidance

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *When work takes up part of a lane on a high volume roadway, vehicular traffic volumes, vehicle mix, speed and capacity should be analyzed to determine whether the affected lane should be closed. Unless the lane encroachment analysis permits a remaining lane width of 10 feet, the lane should be closed. If the closure operation is on a Limited Access highway, the minimum lane width is 11 feet.*

Option:

4. The ROAD WORK AHEAD (W20-1) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.

Standard:

5. **A shadow vehicle with either an arrow board operating in the caution mode, or at least one high-intensity amber rotating, flashing, or[1] oscillating light shall be parked 80' - 120' in advance of the first work crew.**
6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[1] oscillating lights.**
7. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S/W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S/W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S/W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S/W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Limited Access highways shall use a 1000' merging taper regardless of the posted speed, a 750' shifting taper for posted speeds < 65 mph and a 1000' shifting taper for posted speeds ≥ 65 mph.[2]

Shoulder Taper = ½ L Minimum

8. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing

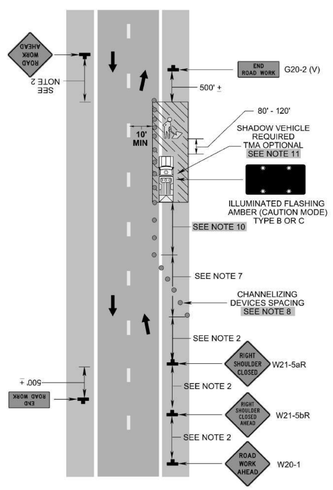
Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +
Transition	20'	40'	Traveway	40'	60'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.

9. **On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.[2]**
10. **The buffer space length The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
11. **A truck-mounted attenuator (TMA) shall be used on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph.**
12. **When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.**

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Shoulder Closure with Barrier and Lane Shift Operation
(Figure TTC-7.1)
NOTES

Guidance:

1. *The lane shift should be used when the work space extends into either the right or left lane of a divided highway and it is not practical, for capacity reasons, to reduce the number of available lanes.*
2. *When a lane shift is accomplished by using: (1) geometry that meets the design speed at which the permanent highway was designed, (2) full normal cross-section (full lane width and full shoulders), and (3) complete pavement markings, then the Reverse Curve signs are not required.*
3. *Sign spacing distance should be 1300-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*

Standard:

4. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
5. **Length of pavement marking transition (L) is equal to posted speed (S) times the width of transition (W) (Example: 55 mph x 2' = 110').**
6. **Group 2 Channelizing device spacing shall be at the following:**

Group 2 Channelizing Device Spacing

Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +
Transition	20'	40'	Traveway	40'	60'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.

7. **For end treatment of the barrier in order of preference see Note 6 of TTC-6.**
8. **Barrier panels 8 inches in width and 12 inches in height shall be placed on top of the concrete barrier and spaced on 40' centers along the transition or taper sections and spaced on 80' centers along the parallel or tangent sections. Reflectorized surface shall be fluorescent orange prismatic lens sheeting. The light at the beginning of the barrier run and at the breakpoint where the barrier becomes parallel to the roadway shall be a Type B flashing light. Barrier delineators shall be installed along the traffic side of the concrete barriers. Barrier delineators shall be spaced on 20' centers along the transition or taper sections and spaced on 80' centers and centered[3] in-between the barrier panels along the parallel or tangent sections[3] approximately 24 inches up from the roadway surface.**
9. **Unless approved by the District[2] Traffic Engineer, the minimum width of the travel lanes shall be 11 feet.**
10. **For long-term work zones existing conflicting pavement markings and markers shall be removed and temporary pavement markings and markers shall be installed per TTC-60.**

Option:

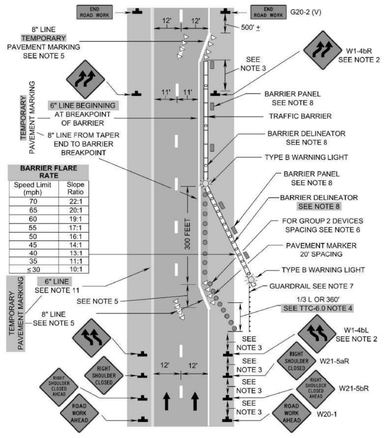
11. Temporary pavement may be needed to maintain traffic with 11' minimum width lanes.

Guidance:

12. *Eradication of existing pavement markings should be as shown in Typical Traffic Control Figure TTC-55.*
13. *If drivers cannot see a pull-off area beyond the closed shoulder, information regarding the length of the shoulder closure should be provided in feet or miles, as appropriate.*
14. *An emergency pull-off area should be provided per Section 6G.18 and Temporary Traffic Control Figure TTC-8.*

2: Revision 2 – 9/1/2019

Shoulder Closure with Barrier and Lane Shift Operation
(Figure TTC-7.1)



2: Revision 2 – 9/1/2019

Typical Traffic Control
Outside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-16.2)
NOTES

Standard:

1. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**

Guidance:

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *When closing a lane, a PCMS should be used in advance of the first warning sign if all of the left side signs cannot be installed.*
4. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. For Limited Access highways a minimum of 1000' is desired.*
5. *All vehicles, equipment, workers, and their activities should be restricted to one side of the pavement.*

Standard:

6. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S/W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S/W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S/W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S/W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Limited Access highways shall use a 1000' merging taper regardless of the posted speed.

Shifting Tapers see Table 6H-2[2] | Shoulder Taper = ½ L Minimum

7. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing

Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +
Transition	20'	40'	Traveway	40'	60'	* Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.

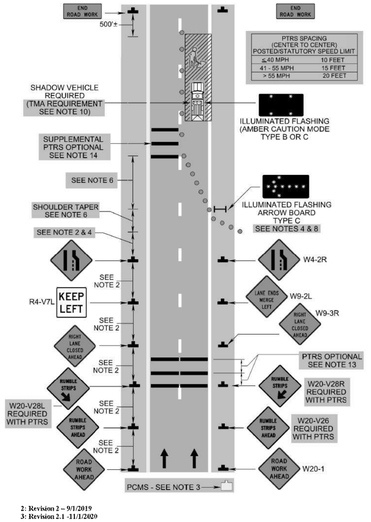
8. **An arrow board shall be used when a lane is closed. When more than one lane is closed, a separate arrow board shall be used for each closed lane (see Figure TTC-18).**
9. **The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
11. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights but can be used to supplement the amber rotating, flashing, or[1] oscillating lights.**
12. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Option:[2]

13. PTRS and their supporting signs may be used, see Sections 6F.99 and 6G.25. Long-term transverse rumble strips may be used in long-term situations, see Section 6F.99 and TTC-20.[2]
14. The supplemental PTRS may be eliminated.[2]

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Outside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-16.2)



2: Revision 2 – 9/1/2019
3: Revision 2.1 -11/1/2020

PROJECT	SHEET NO.
U000-151-R94	IJ(2)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control TTC Notes and Figures

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1J(3)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Typical Traffic Control
Inside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-17.2)
NOTES

Standard:

1. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**

Guidance:

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *When closing a lane, a PCMS should be used in advance of the first warning sign if all of the left side signs cannot be installed.*
4. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. For Limited Access highways a minimum of 1000' is desired.*
5. *All vehicles, equipment, workers, and their activities should be restricted to one side of the pavement.*

Standard:

6. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L										
Speed Limit (mph)	Lane Width (Feet)				Remarks	Speed Limit (mph)	Lane Width (Feet)				Remarks
	9	10	11	12			9	10	11	12	
25	95	105	115	125	L=S/W60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S/W60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S/W60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S/W60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed.											
Shifting Tapers see Table 6H-2[1]					Shoulder Taper = ½ L Minimum						

7. **Channelizing device spacing shall be at the following:**

Location Spacing	Speed Limit (mph)		Location Spacing	Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
	0-35	36 +			0-35	36 +		0-35	36 +
Transition	20'	40'	Taperway		40'	80'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.

8. **An arrow board shall be used when a lane is closed. When more than one lane is closed, a separate arrow board shall be used for each closed lane (see Figure TTC-18).**
9. **The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
11. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights but can be used to supplement the amber rotating, flashing, or[1] oscillating lights.**
12. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Option:[2]

13. PTRS and their supporting signs may be used, see sections 6F.99 and 6G.25. Long-term transverse rumble strips may be used in long-term situations, see Section 6F.99 and TTC-20.[2]
14. The supplemental PTRS may be eliminated.

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Center Turn Lane Closure Operation
(Figure TTC-21.1)
NOTES

Guidance:

1. *The distance between signs should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less. The distance of the beginning of channelizing device transition should be a minimum of 500' and a maximum of 800'.*
2. *The buffer space length should be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.*
3. *For locations with a high volume of left turning movements, the graphic NO LEFT TURN (R3-2) signs should be used within the closed lane.*

Option:

4. Where Right-of-Way or geometric conditions prevent use of 48" x 48" signs, 36"x 36" signs may be used.

Standard:

5. **To prevent vehicles from entering into the work zone, channelizing device spacing shall be a maximum of 20' on center.**
6. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one rotating amber light or high intensity amber flashing or oscillating[1] light shall be parked 80'-120' in advance of the work crew in both directions of travel. If multiple lanes are present (four or more lanes, excluding the center turn lane) and the posted speed limit is 45 mph or greater, the vehicles shall be equipped with a truck-mounted attenuator (TMA).**
7. **When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.**

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Lane Closure on a Two-Lane Roadway Using Flaggers
(Figure TTC-23.2)
NOTES

Guidance:

1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, and 500'-800' where the posted speed limit is greater than 45 mph.*
2. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the flagger station and transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. Generally speaking, motorists should have a clear line of sight from the graphic flagger symbol sign to the flagger.*
3. *To maintain efficient traffic flow in a flagging operation on a two-lane roadway, the maximum time motorists should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.*

Standard:

4. **Portable Temporary Rumble Strips (PTRS) shall be used as noted in Section 6F.99.**
5. **Flagging stations shall be located far enough in advance of the work space to permit approaching traffic to reduce speed and/or stop before passing the work space and allow sufficient distance for departing traffic in the left lane to return to the right lane before reaching opposing traffic (see Table 6H-3 on Page 6H-5).**
6. **All flaggers shall be state certified and have their certification card in their possession when performing flagging duties (see Section 6E.01, Qualifications for Flaggers).**
7. **Cone spacing shall be based on the posted speed and the values in Table 6H-4 on Page 6H-6.[1]**
8. **A shadow vehicle with at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew.**

Option:

8. A SLOW (W21-V10) sign[2] may be required in this area to give advance warning of the operation ahead by slowing approaching traffic prior to reaching the flagger station or queued traffic.

Guidance:

9. *If the queue of traffic reaches the BE PREPARED TO STOP (W3-4) sign then the signs, and if used the PTRS[2] should be readjusted at greater distances.*
10. *When a highway-rail crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the highway-rail grade crossing, the temporary traffic control zone should be extended so that the transition area precedes the highway-rail crossing (see Figure TTC-56 for additional information on highway-rail crossings).*

Standard:

11. **At night, flagger stations shall be illuminated, except in emergencies (see Section 6E.08).**

Option:

12. Cones may be eliminated when using a pilot vehicle operation or when the total roadway width is 20 feet or less.
13. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).

Standard:[1]

14. **When used[2], three portable temporary rumble (PTRS) strips shall be installed across the entire travel lane adjacent to the BE PREPARED TO STOP (W3-4) sign. The portable temporary rumble strips shall be monitored and adjusted as necessary during the work shift to ensure proper placement on the roadway. When the PTRS are installed, the RUMBLE STRIPS AHEAD (W20-V26) sign shall also be utilized.**

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Non-Stationary Operation on a Two-Lane Roadway Using Flaggers
(Figure TTC-24.2)
NOTES

Guidance:

1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, and 500'-800' where the posted speed limit is greater than 45 mph.*
2. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the flagger station and transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. Generally speaking, motorists should have a clear line of sight from the graphic flagger symbol sign to the flagger.*
3. *To maintain efficient traffic flow in a flagging operation on a two-lane roadway the maximum time motorist should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.*

Standard:

4. **PTRS shall be used as noted in Section 6F.99.[2]**
5. **Flagging stations shall be located far enough in advance of the work space to permit approaching traffic to reduce speed and/or stop before passing the work space and allow sufficient distance for departing traffic in the left lane to return to the right lane before reaching opposing traffic (see Table 6H-3 on Page 6H-5).**
6. **The Flagger (W20-7) symbol sign shall stay within ½ mile of each flagger.**

Guidance:

7. *Additional Flagger symbol signs should be erected by the flagger or others at ½ mile intervals or taken down as the operation proceeds past this point.*
8. *When a highway-rail crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the highway-rail grade crossing, the temporary traffic control zone should be extended so that the transition area precedes the highway-rail crossing (see Figure TTC-56 for additional information on highway-rail crossings).*
9. *If the queue of traffic reaches the BE PREPARED TO STOP (W3-4) sign, then the advance warning signs should be readjusted at greater distances*

Option:[2]

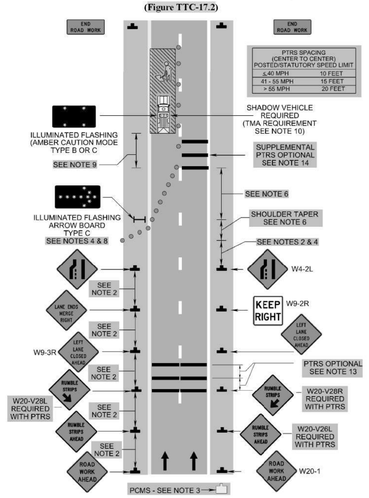
10. A SLOW (W21-V10) sign may be installed after the first FLAGGER symbol sign.[2]

Standard:

11. **All flaggers shall be state certified and have their certification card in their possession when performing flagging duties (see Section 6E.01, Qualifications for Flaggers).**
12. **A shadow vehicle with at least one amber rotating, flashing or[1] oscillating lights shall be parked 80'-120' in advance of the first work crew.**
13. **The maximum length of the work area shall be two miles.**

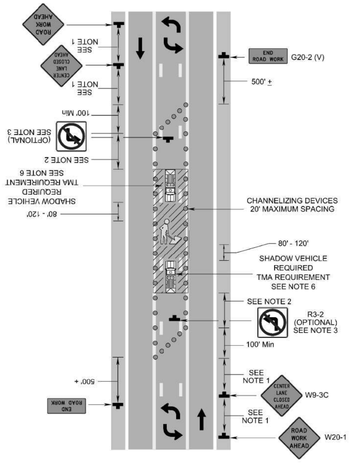
2: Revision 2 – 9/1/2019

Inside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-17.2)

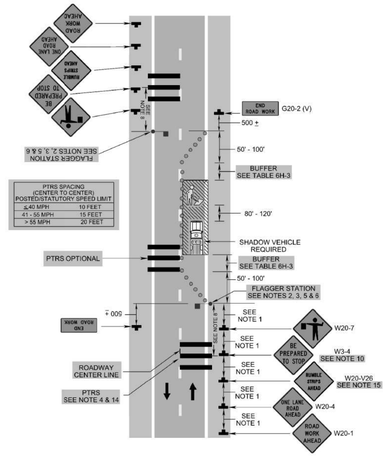


2: Revision 2 – 9/1/2019
3: Revision 2.1 – 11/1/2020

Center Turn Lane Closure Operation
(Figure TTC-21.1)

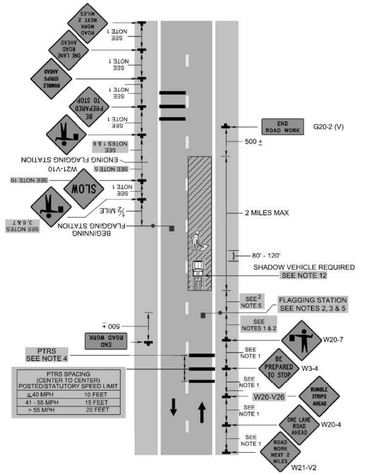


Lane Closure on a Two-Lane Roadway Using Flaggers
(Figure TTC-23.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019
3: Revision 2.1 – 11/1/2020

Non-Stationary Operation on a Two-Lane Roadway Using Flaggers
(Figure TTC-24.2)



2: Revision 2 – 9/1/2019

4/22/2025

PROJECT	SHEET NO.
U000-151-R94	1J(3)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control TTC Notes and Figures

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJ(4)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Typical Traffic Control
Lane Closure Operation – Near Side of an Intersection
(Figure TTC-26.2)
NOTES

Guidance:
1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.*

Standard:
2. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
3. **Taper length (L) shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S·W/60
30	135	150	165	180	L=S·W/60
35	185	205	225	245	L=S·W/60
40	240	270	295	320	L=S·W/60
45	405	450	495	540	L=SW
50	450	500	550	600	L=SW
55	495	550	605	660	L= SW
60	540	600	660	720	L=SW
65	585	650	715	780	L=SW
70	630	700	770	840	L=SW

Shifting Tapers - full lane width shifts on Limited Access Highways shall use a 750' shifting taper for posted speeds less than 65 mph and a 1000' shifting taper for posted speeds equal to or greater than 65 mph. For all other roadways ¾ L should be used.[1]

Shoulder Taper = ¾ L Minimum

4. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing

Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +	Location Spacing	Speed Limit (mph) 0-35	36 +
Transition	20'	40'	Taperway	40'	80'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.

Guidance:
5. *If room permits, a shadow vehicle with at least one rotating, oscillating, or amber strobe light should be parked 80'-120' in advance of the first work crew.*

Standard:
6. **If the posted speed limit is 45 mph or greater, the shadow vehicle shall have a truck-mounted attenuator.**
7. **For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or two high intensity amber flashing or oscillating[2] lights mounted on the vehicle and visible for 360º shall be required in addition to the channelizing devices shown around the vehicle. Also, vehicle hazard warning signals shall be used.**

Guidance:
8. *If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.*

Standard:
9. **If the left turn lane is closed a NO LEFT TURN (Symbol) (R3-2) shall be used.**

Option:[3]
10. PTRS may be used as shown in Figure TTC-17 and in accordances with Section 6F-99.[3]
11. The supplemental PTRS may be eliminated.[3]

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Turn Lane Closure and Pedestrian Detour Operation
(Figure TTC-29.2)
NOTES

Guidance:
1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.*

Standard:
2. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
3. **To prevent accidental intrusion into the work area, channelizing device spacing shall not exceed 10' on centers or as directed by the Engineer.[4]**

Option:
4. This layout may be used for either right or left turn lane closures.
5. For a high volume of turning movements, additional traffic control devices, such as signs (graphic NO LEFT TURN (R3-2) or LEFT LANE MUST TURN LEFT (R3-7)), channelizing devices and vehicles may be used.

Standard:
6. **Taper length (L) shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S·W/60
30	135	150	165	180	L=S·W/60
35	185	205	225	245	L=S·W/60
40	240	270	295	320	L=S·W/60
45	405	450	495	540	L=SW
50	450	500	550	600	L=SW
55	495	550	605	660	L= SW
60	540	600	660	720	L=SW
65	585	650	715	780	L=SW
70	630	700	770	840	L=SW

Shoulder Taper = ¾ L Minimum

7. **Length of the Longitudional Buffer spacing shall be at the following:**

Posted Speed Limit (mph)	Distance (Feet)	Posted Speed Limit (mph)	Distance (Feet)
≤ 20	115 – 120	50	425 – 445
25	155 – 165	55	500 – 530
30	200 – 210	60	570 – 600
35	250 – 260	65	645 – 675
40	305 – 325	70	730 – 760
45	360 – 380		

Guidance:
8. *If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.*

Support:
9. Turns can be prohibited as required by vehicular traffic conditions. Unless the streets are wide, it might be physically impossible to make certain turns, especially for large vehicles.

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Crosswalk Closure and Pedestrian Detour Operation
(Figure TTC-36.2)
NOTES

Standard:
1. **When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.**
2. **Curb parking shall be prohibited for at least 50 feet in advance of the midblock crosswalk.**

Guidance:
3. *Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.*
4. *Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.*
5. *Temporary markings should be considered for operations exceeding three days in duration.*

Option:
6. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS (W5-1) signs, may be used to control vehicular traffic.
7. For nighttime closures, Type A Flashing warning lights may be used on barricades supporting signs and closing sidewalks.

Standard:
8. **In order to maintain the systematic use of the fluorescent yellow-green background for school warning signs in a jurisdiction, the fluorescent yellow-green background for school warning signs shall be used in TTC zones.[2]**
9. **All sidewalk closures shall be closed with Type 3 Barricades. The SIDEWALK CLOSED (R9-9) sign and the SIDEWALK CROSS HERE (R9-11) sign shall be installed above the Type 3 Barricade. The KEEP RIGHT sign can cover the top rail of the Type 3 Barricade.[2]**

Support:
10. Refer to Sections 3B-16 through 3B-18 of the 2009 MUTCD and the Virginia Supplement to the MUTCD[1] for crosswalk[2] lines, yield lines and other related TTC devices that may be used to control vehicular traffic at midblock crosswalks.

Standard:[3]
11. **The YIELD HERE TO PEDESTRIANS (R1-5) sign shall be placed at the Yield Line.**
12. **Fluorescent yellow-green PEDESTRIAN TRAFFIC (W11-2) symbol sign, AHEAD (W16-9p) plaque and ARROW (W16-7p) plaque shall be used to identify the work zone crosswalk.**

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Outside Lane Closure Operation on a Multi-Lane Roundabout
(Figure TTC-33.2)
NOTES

Support:
1. Each roundabout is unique and the traffic control must be developed to meet the specific conditions of the location and the work operation. A detour could possibly better serve traffic movement and must be consider as an alternative to the flagger operation. This traffic control layout can be used on a traffic circle.

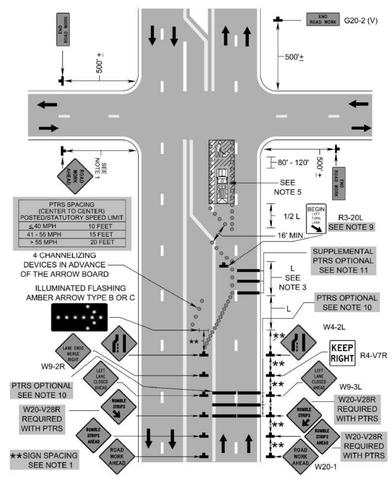
Standard:
2. **Multi-lane approaches to the roundabout shall be reduced to one lane and a flagger shall control traffic flow on each approach of the roundabout.**
3. **All flaggers shall be state certified and have their certification card in their possession when performing flagging duties. A lead flagger shall be designated and radio communication shall be used by the flaggers.**
4. **Only one quadrant of traffic shall be released at a time.**
5. **Taper length (L) and channelizing device spacing shall be as shown in Note 4 in TTC 32.0.**
6. **At night, flagger stations shall be illuminated, except in emergencies. Street lights and vehicle headlights shall not be used to illuminate the flagger station.**
7. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
8. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one amber high intensity rotating, oscillating, or flashing[2] light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck- mounted attenuator shall be used.**
9. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[2] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[2] oscillating lights.**
10. **A minimum of four (4) drum channelizing devices shall be placed on the shoulder in advance of the PCMS in a taper for delineation (see Figure 6F-6).**

Guidance:
11. *Sign spacing distance should be 350'- 500' where the posted speed limit is 45 mph or less, and 500'-800' where the posted speed limit is greater than 45 mph.*
12. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance to the flagger station, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. Generally speaking, motorists should have a clear line of sight from the graphic flagger symbol sign to the flagger.*
13. *Time limits for stopping traffic by a flagger should be followed, see Section 6E.07.[2]*
14. *A PCMS should be used as part of the traffic control plan to provide clear guidance to motorist on all approaches of the roundabout that must reverse traffic flow.*
15. *When designing the traffic control and installing the channelizing devices for work activities at roundabouts, accommodations for the turning radius of tractor trailer vehicles and other large vehicles should be considered and the work zone designed accordingly.*

Option
16. Periodic adjustments to the channelizing devices may be allowed in an active work zone to accommodate the turning movements of tractor trailer vehicles and other large vehicles.
17. A supplemental flagger may be used in the roundabout island to help direct traffic and may be required on the approaches in advance warning of the flagging operation to slow traffic prior to reaching the flagger station or queued traffic.
18. A guide sign with road names may be used in lieu of the Double Arrow (W12-1) sign.
19. On the approaches where traffic flow will be split, two pilot vehicles may be used to guide traffic through the roundabout.
20. PTRS may be used on multi-lane roadways, see Section 6F-99, TTC-16 and TTC-23.[2]

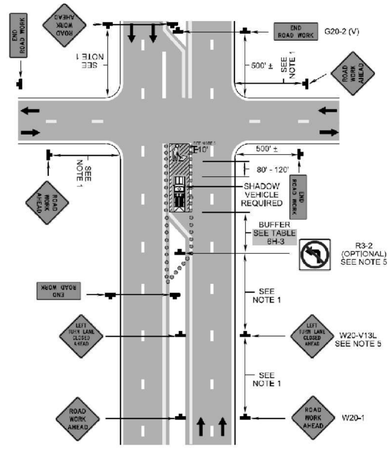
1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Lane Closure Operation - Near Side of an Intersection
(Figure TTC-26.2)



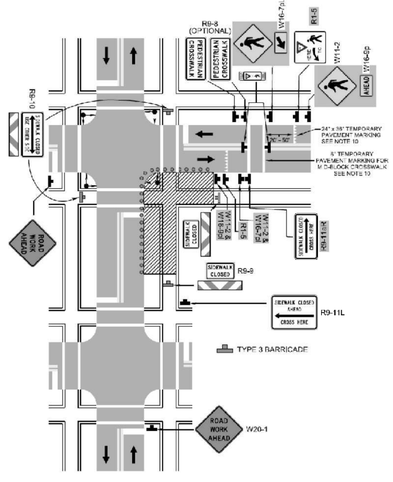
1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Turn Lane Closure Operation
(Figure TTC-29.2)



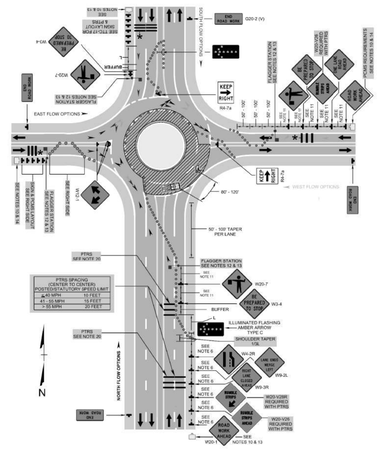
2: Revision 2 – 9/1/2019

Crosswalk Closure and Pedestrian Detour Operation
(Figure TTC-36.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 7/1/2018

Outside Lane Closure Operation on a Multi-Lane Roundabout
(Figure TTC-33.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019
3: Revision 2.1 – 11/1/2020

PROJECT	SHEET NO.
U000-151-R94	IJ(4)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control/TTC Notes and Figures

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJ(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Typical Traffic Control
Multi-Lane Shift Operation
(Figure TTC-40.2)
NOTES

Guidance:

1. *The lane shift should be used when the work area extends into either the right or left lane of a divided highway and it is not practical, for capacity reasons, to reduce the number of available lanes.*
2. *Sign spacing distance should be 1500'-1500' for Limited Access highways, and on all other roadways 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *If the STAY IN LANE (R4-9) sign is used, then solid 4 inch wide minimum white lines should be used.*

Standard:

4. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
5. **Shoulder and shifting taper lengths shall be as shown in Table 6II-25 Page 6II-5.[2]**
6. **Taper length (L) shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=SW/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=SW/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=SW/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=SW/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Shifting Tapers - full lane width shifts on Limited Access Highways shall use a 750' shifting taper for posted speeds less than 65 mph and a 1000' shifting taper for posted speeds equal to or greater than 65 mph. For all other roadways ½ L should be used.[2]

Shoulder Taper = ½ L Minimum

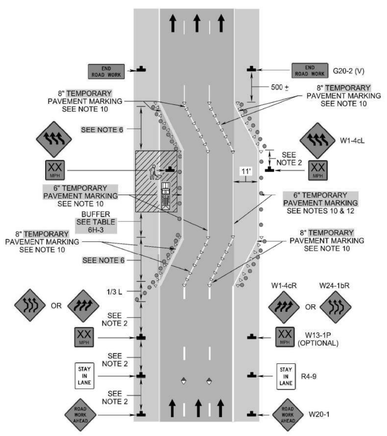
7. **The minimum width of the shoulder lane shall be 11'.**
8. **The buffer space length shall be as shown in Table 6II-3 on Page 6II-5 for the posted speed limit.**
9. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, oscillating, or flashing[1] light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
10. **For long-term work zones existing conflicting pavement markings and markers shall be removed and temporary pavement markings and markers shall be installed per Figure TTC-60.**

Option:

11. For short-term stationary work (less than 3 days duration), lanes may be delineated by channelizing devices or removable pavement markings instead of temporary pavement markings.
12. Temporary pavement markers, on a 40' center to center spacing, may be added to the tangent section between lane shifts as directed by the engineer.
13. Lane shift (W1-4 series) signs may be eliminated when geometric conditions straighten a curve or when full L is used.[2]

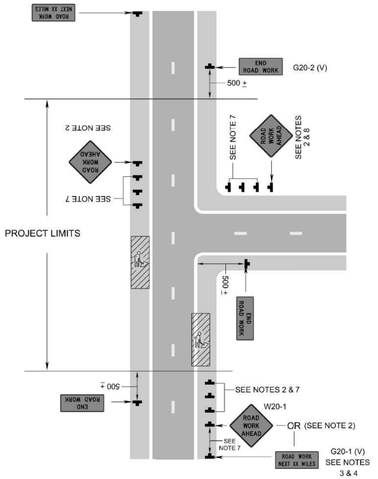
1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Multi-Lane Shift Operation
(Figure TTC-40.2)

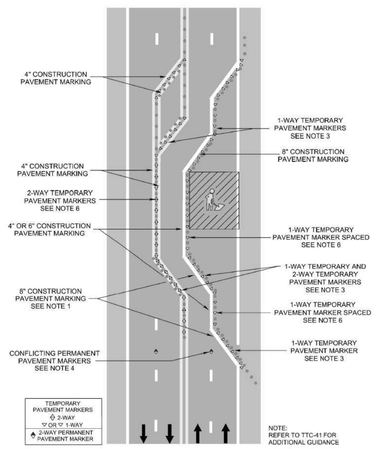


2: Revision 2 – 9/1/2019

Signing for Project Limits
(Figure TTC-53.0)



Temporary Pavement Marking and Marker Guidelines
(Figure TTC-60.0)



Typical Traffic Control
Lane Closure Operation through a Unsignalized[2] Intersection [3]
(Figure TTC-67.1)
NOTES

Guidance:

1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.*
2. *To maintain efficient traffic flow in a flagging operation on a two-lane roadway, the maximum time motorists should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.*

Standard:

3. **PTRS shall be used as per Section 6F.99.[2]**
4. **Channelizing device spacing shall be on 20' centers or less 100 feet in advance of the intersection.**

Guidance:

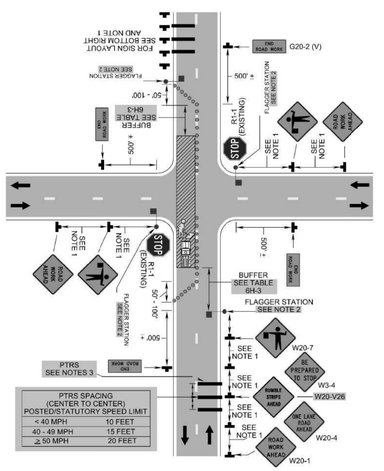
5. *If room permits, a shadow vehicle with at least one rotating amber light or high intensity amber strobe light should be parked 80'-120' in advance of the first work crew.*
6. *If the posted speed limit is 45 mph or greater, the shadow vehicle should have a truck-mounted attenuator.*
7. *If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.*

Option

8. At the stop condition intersecting roadway, additional flagger sign may be used (BE PREPARED TO STOP (W3-4)) between the ROAD WORK AHEAD and the flagger station in the proper sequence, as directed by the District[2] Traffic Engineer.
9. PTRS may be used on the intersecting roadway to enhance the work zone at the approaching intersection.[3]

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Lane Closure Operation through a Unsignalized[2] Intersection [3]
(Figure TTC-67.1)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

PROJECT	SHEET NO.
U000-151-R94	IJ(5)

FINAL PLANS

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4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Typical Sections Phase I & IA

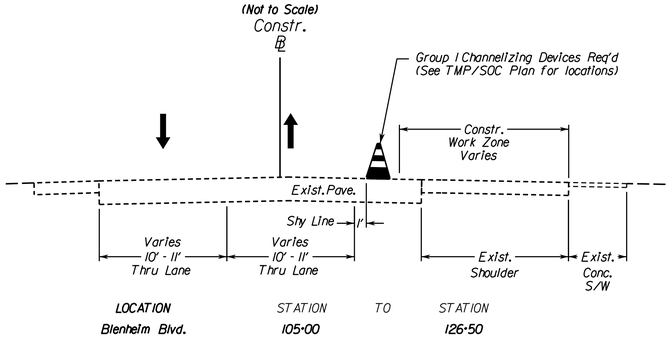
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1J(6)

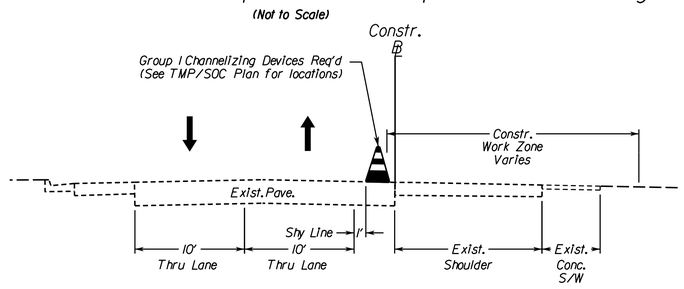
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase I: Perm. Full Depth and Temp. Pave. Widening



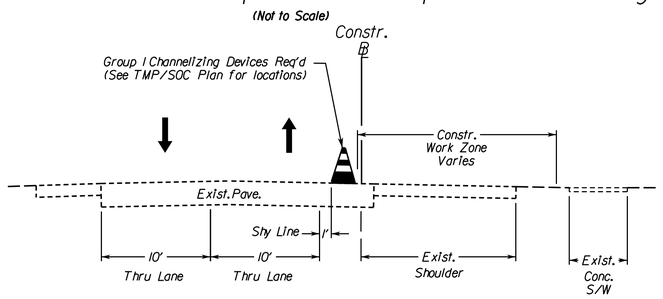
LOCATION	STATION	TO	STATION
Blenheim Blvd.	105+00		126+50

Phase I: Perm. Full Depth and Temp. Pave. Widening



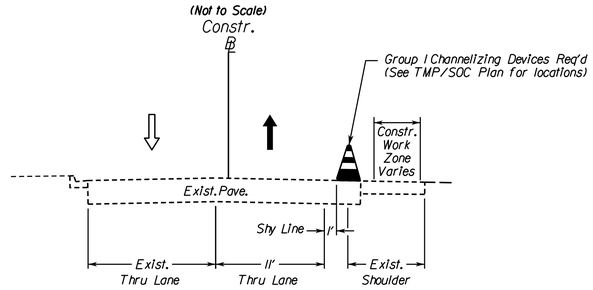
LOCATION	STATION	TO	STATION
Blenheim Blvd.	137+00		141+50

Phase I: Perm. Full Depth and Temp. Pave. Widening



LOCATION	STATION	TO	STATION
Blenheim Blvd.	141+50		149+00

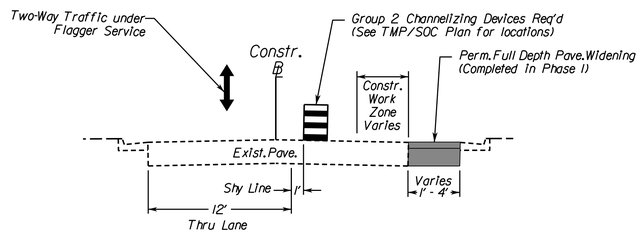
Phase I: Perm. Full Depth and Temp. Pave. Widening



LOCATION	STATION	TO	STATION
Blenheim Blvd.	164+75		174+00

Phase IA: Temp. Pave. Widening

(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	109+75		111+25

PROJECT	SHEET NO.
U000-151-R94	1J(6)

FINAL PLANS

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4/22/2025

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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Typical Sections Phase 2

COMMONWEALTH OF VIRGINIA
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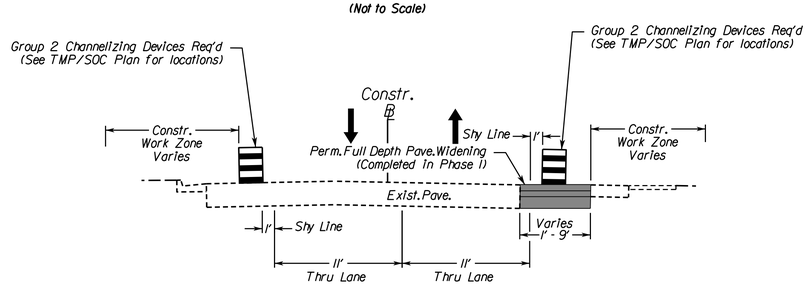
Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJI(7)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 2: Construction

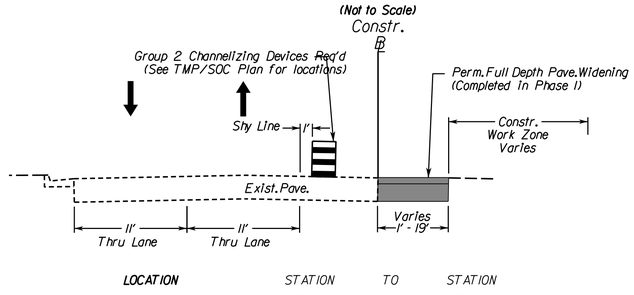
(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	104+50		106+00

Phase 2: Construction

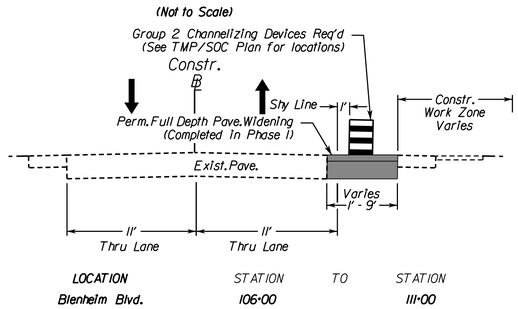
(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	111+00		117+50

Phase 2: Construction

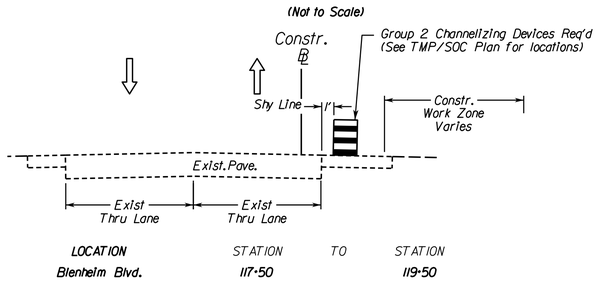
(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	106+00		111+00

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	117+50		119+50

PROJECT	SHEET NO.
U000-151-R94	IJI(7)

4/22/2025

FINAL PLANS

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SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Typical Sections Phase 2A

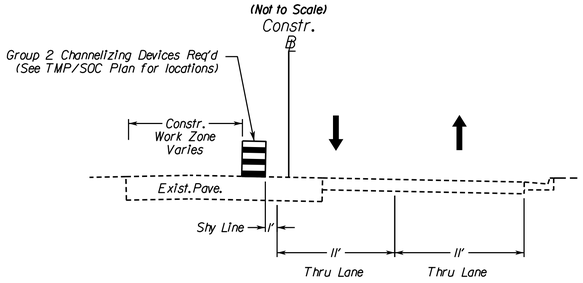
COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJ(8)

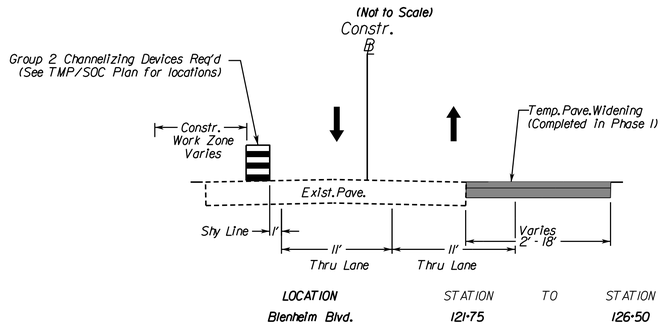
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Phase 2A: Construction



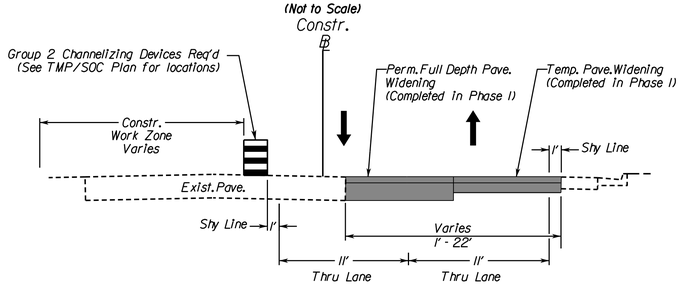
LOCATION	STATION	TO	STATION
Blenheim Blvd.	116+75		121+75
Blenheim Blvd.	127+00		137+00
Blenheim Blvd.	145+25		164+75

Phase 2A: Construction



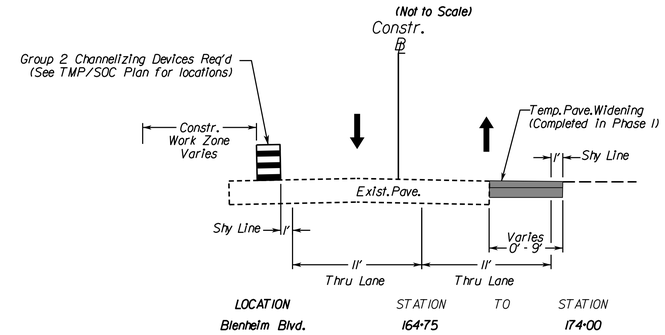
LOCATION	STATION	TO	STATION
Blenheim Blvd.	121+75		126+50

Phase 2A: Construction



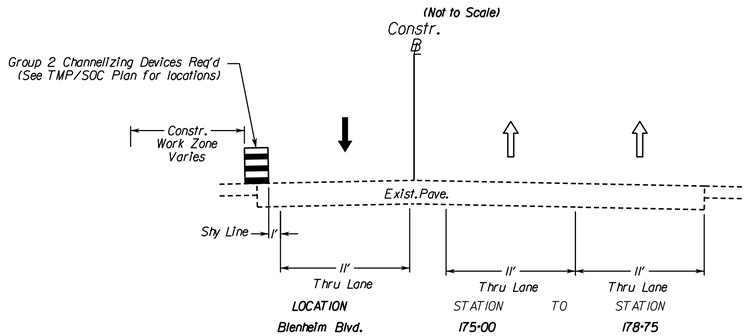
LOCATION	STATION	TO	STATION
Blenheim Blvd.	137+00		144+25

Phase 2A: Construction



LOCATION	STATION	TO	STATION
Blenheim Blvd.	164+75		174+00

Phase 2A: Construction



LOCATION	STATION	TO	STATION
Blenheim Blvd.	175+00		178+75

4/22/2025

PROJECT	SHEET NO.
U000-151-R94	IJ(8)

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Temporary Traffic Control Typical Sections Phase 3

COMMONWEALTH OF VIRGINIA
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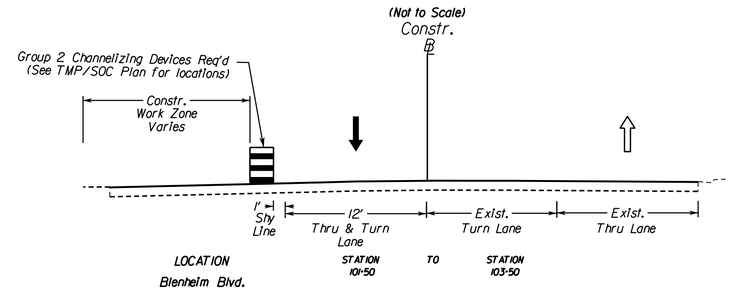
Rinker Design Assoc. P.C.
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1J(9)

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Phase 3: Construction

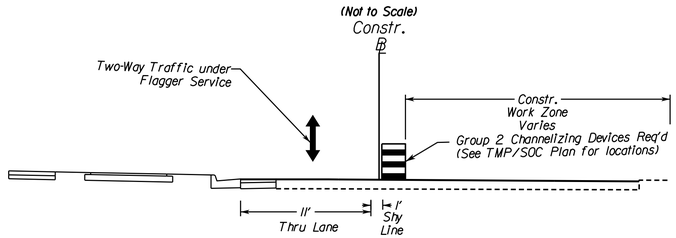
(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	101+50		103+50

Phase 3: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	118+00		122+00
	124+50		144+25
	146+00		147+75

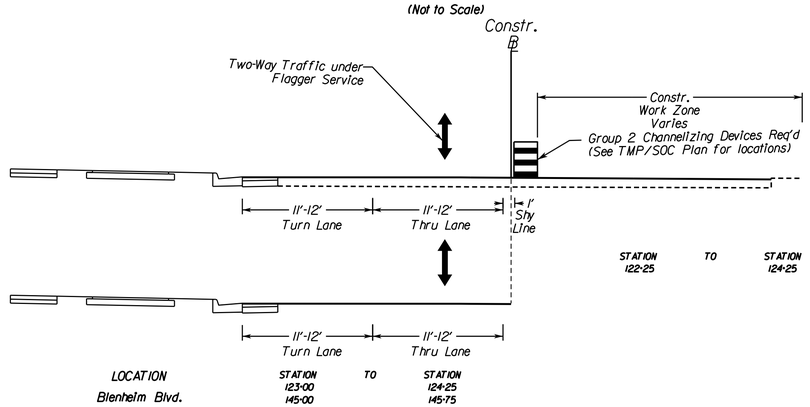
Phase 3: Construction

(Not to Scale)

LOCATION	STATION	TO	STATION
Blenheim Blvd.	105+50		108+00

Phase 3: Construction

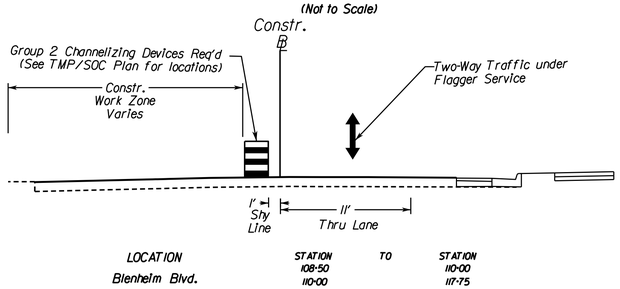
(Not to Scale)



LOCATION	STATION	TO	STATION
	122+25		124+25
Blenheim Blvd.	123+00		124+25
	145+00		145+75

Phase 3: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Blenheim Blvd.	108+50		110+00
	110+00		117+75

PROJECT	SHEET NO.
U000-151-R94	1J(9)

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Temporary Traffic Control Typical Sections Phase 3

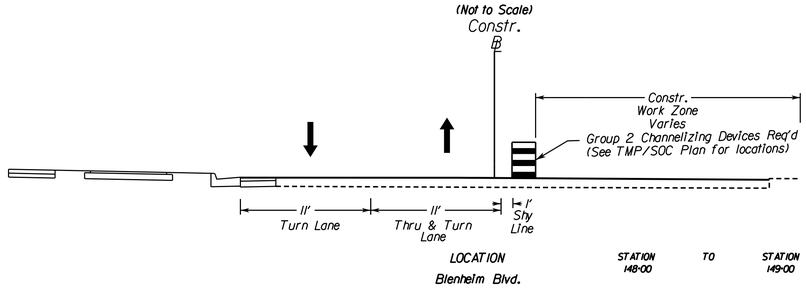
COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJI(10)

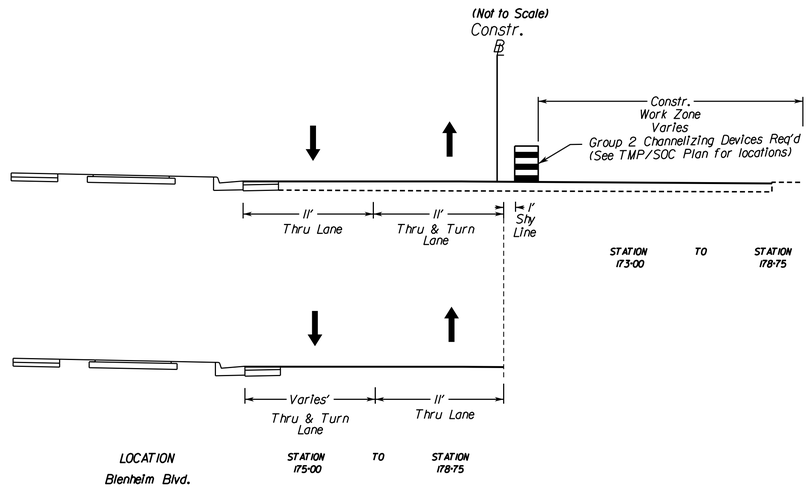
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 3: Construction



LOCATION: Blenheim Blvd. STATION 148+00 TO STATION 149+00

Phase 3: Construction



STATION 173+00 TO STATION 178+75

LOCATION: Blenheim Blvd. STATION 175+00 TO STATION 178+75

4/22/2025

PROJECT	SHEET NO.
U000-151-R94	IJI(10)

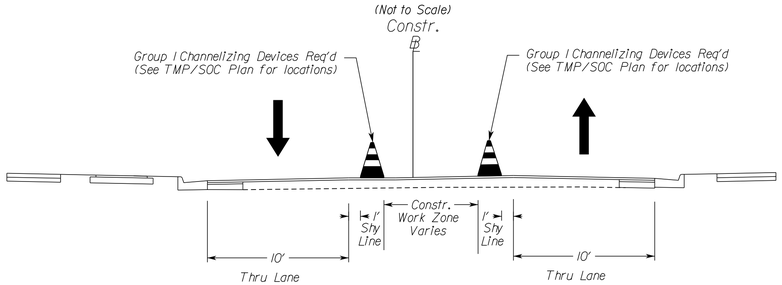
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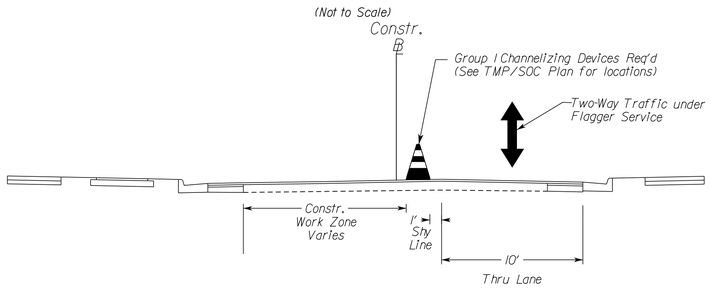
Temporary Traffic Control Typical Sections Phase 4 & 4A

Phase 4: Construction



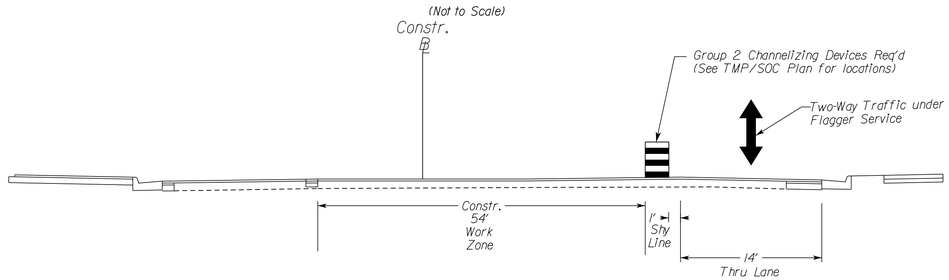
LOCATION	STATION	TO	STATION
Blenheim Blvd.	107+25		108+50

Phase 4: Construction



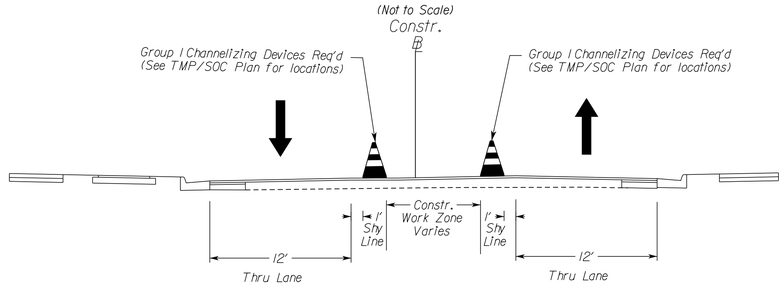
LOCATION	STATION	TO	STATION
Blenheim Blvd.	123+75		126+00
	163+75		167+00

Phase 4: Construction



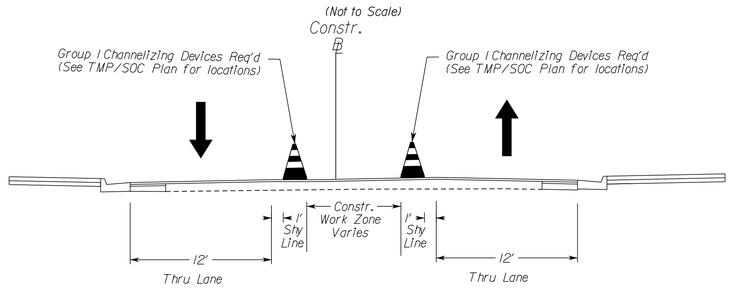
LOCATION	STATION	TO	STATION
Blenheim Blvd.	174+75		175+50

Phase 4A: Construction



LOCATION	STATION	TO	STATION
Blenheim Blvd. Roundabout	174+00		174+75

Phase 4A: Construction



LOCATION	STATION	TO	STATION
Blenheim Blvd. Roundabout	175+75		178+75

COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IJ(11)

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U000-151-R94	IJ(11)

4/22/2025

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Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IK

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase I Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase I is completed, unless directed by the Engineer. Contractor shall install the reduced speed signs of 25 mph as shown on plans.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase I, within the existing Right of Way and/or Easements

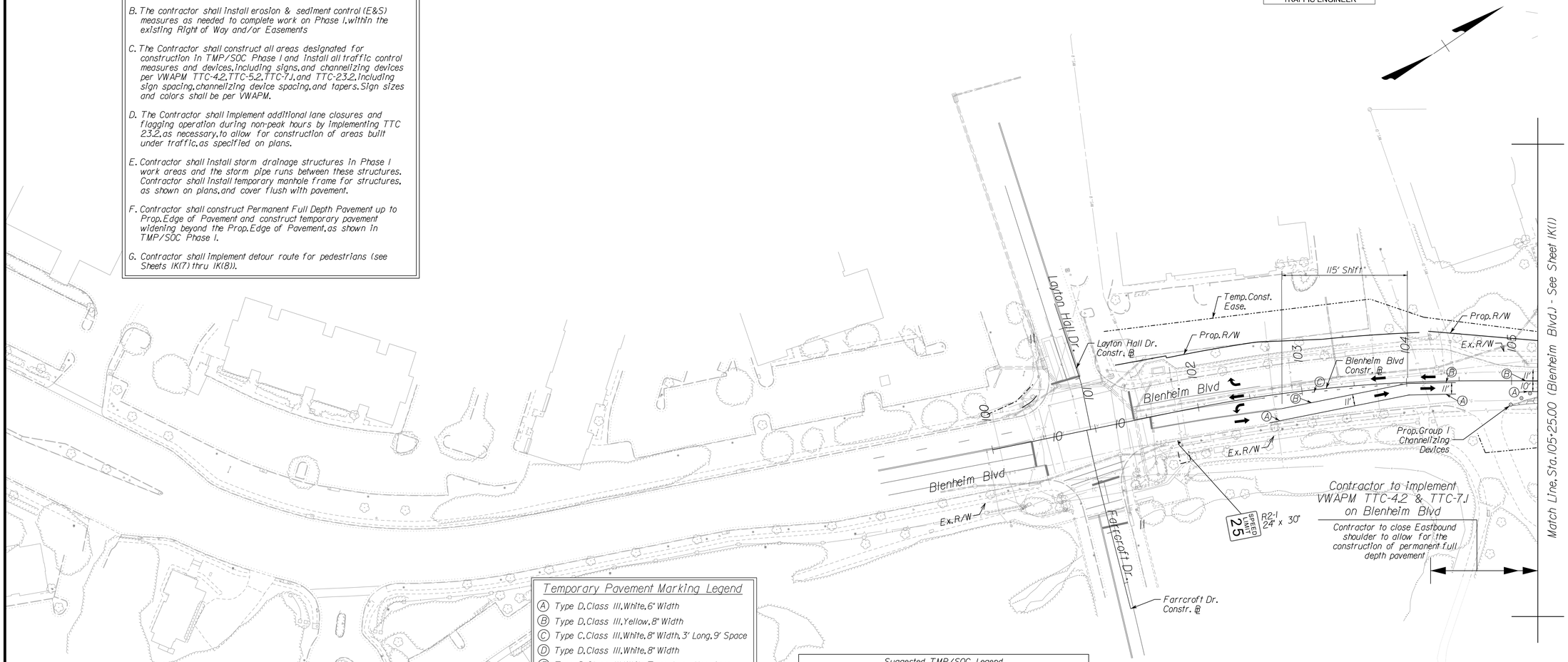
C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase I and install all traffic control measures and devices, including signs, and channelizing devices per VWAPM TTC-4.2, TTC-5.2, TTC-7J, and TTC-23.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement additional lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for construction of areas built under traffic, as specified on plans.

E. Contractor shall install storm drainage structures in Phase I work areas and the storm pipe runs between these structures. Contractor shall install temporary manhole frame for structures, as shown on plans, and cover flush with pavement.

F. Contractor shall construct Permanent Full Depth Pavement up to Prop. Edge of Pavement and construct temporary pavement widening beyond the Prop. Edge of Pavement, as shown in TMP/SOC Phase I.

G. Contractor shall implement detour route for pedestrians (see Sheets IK(7) thru IK(8)).



Temporary Pavement Marking Legend

- Ⓐ Type D, Class III, White, 6" Width
- Ⓑ Type D, Class III, Yellow, 8" Width
- Ⓒ Type C, Class III, White, 8" Width, 3' Long, 9' Space
- Ⓓ Type D, Class III, White, 8" Width
- Ⓔ Type D, Class III, White, Turn Lane Use Arrow
- Ⓕ Type D, Class III, White, 24" Width
- Ⓖ Type D, Class III, Yellow, 6" Width
- Ⓟ Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be erradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IK)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IK)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IK

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

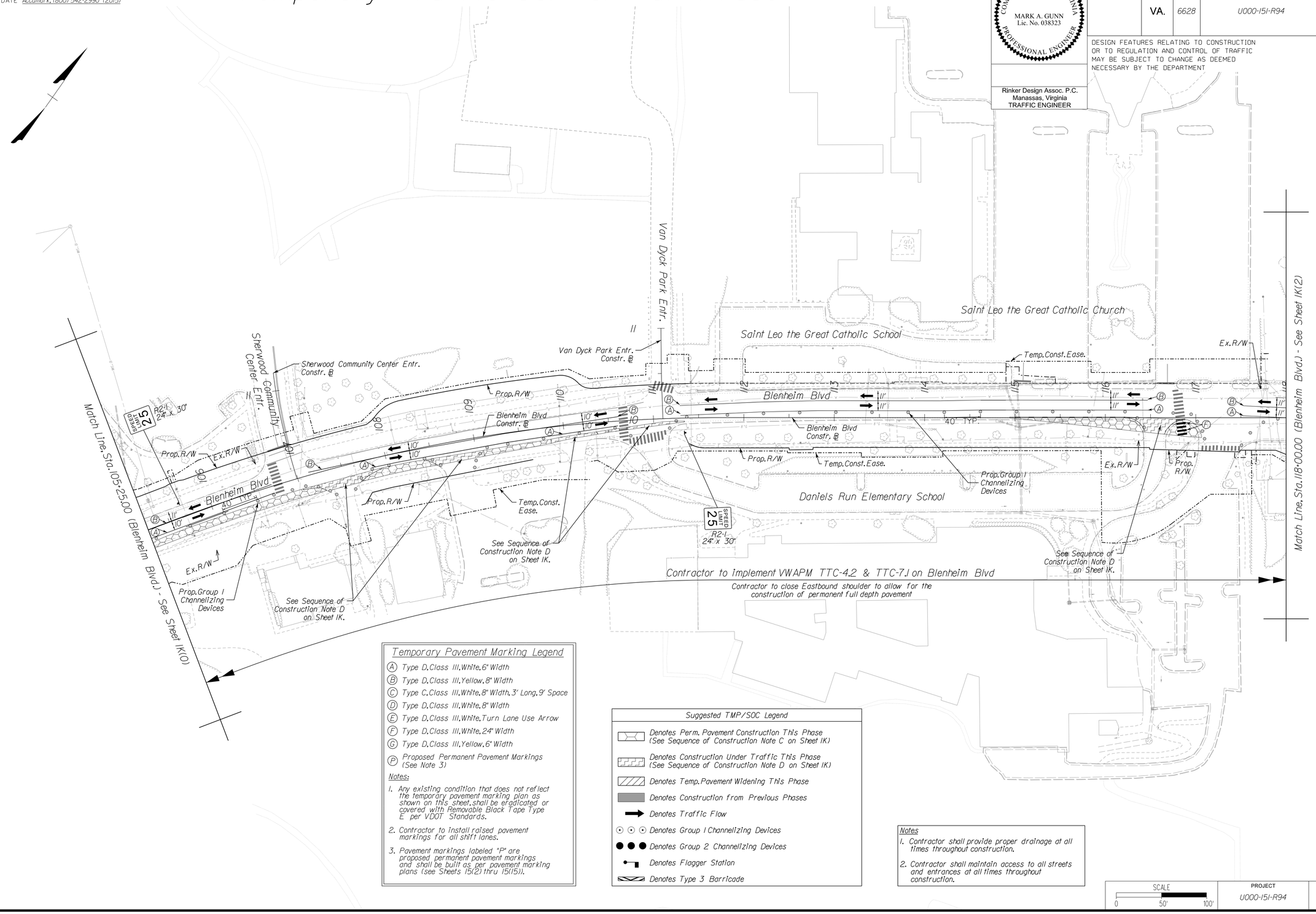
Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IK(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(5)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IK)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IK)
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- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IK(1)

4/22/2025

FINAL PLANS

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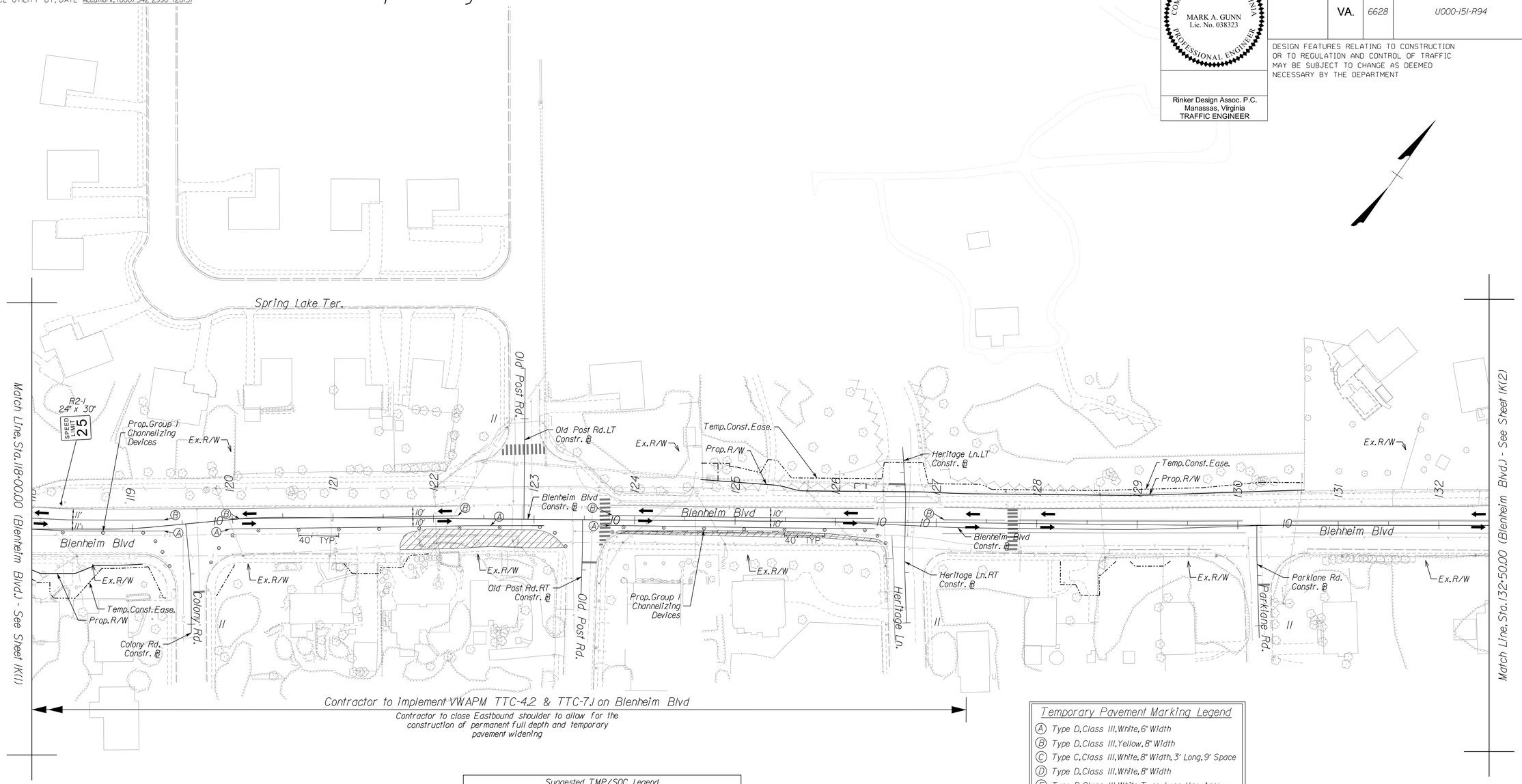
Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1K(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Suggested TMP/SOC Legend

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- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet 1K)
- Denotes Temp. Pavement Widening This Phase
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- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

SCALE: 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	1K(2)

4/22/2025

FINAL PLANS

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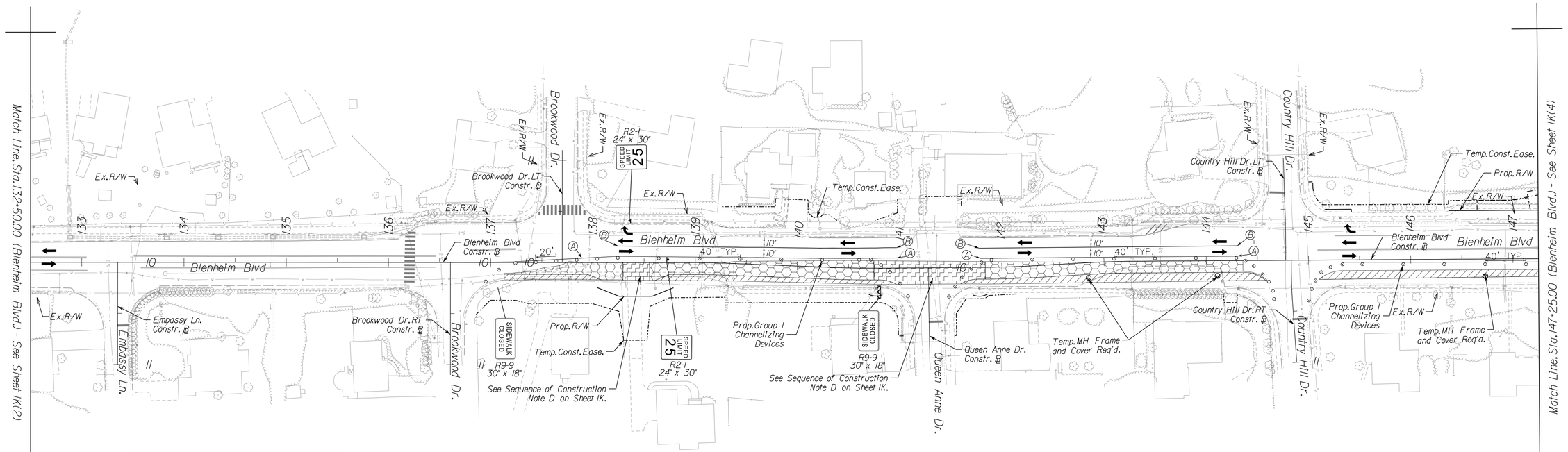
Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IK(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Contractor to implement VWAPM TTC-5.2 on Blenheim Blvd

Contractor to close Eastbound shoulder and construct permenant full depth and temporary pavement widening and Temp.MH Frame and Cover for Stormwater Structures

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

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- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IK(3)

4/22/2025

FINAL PLANS

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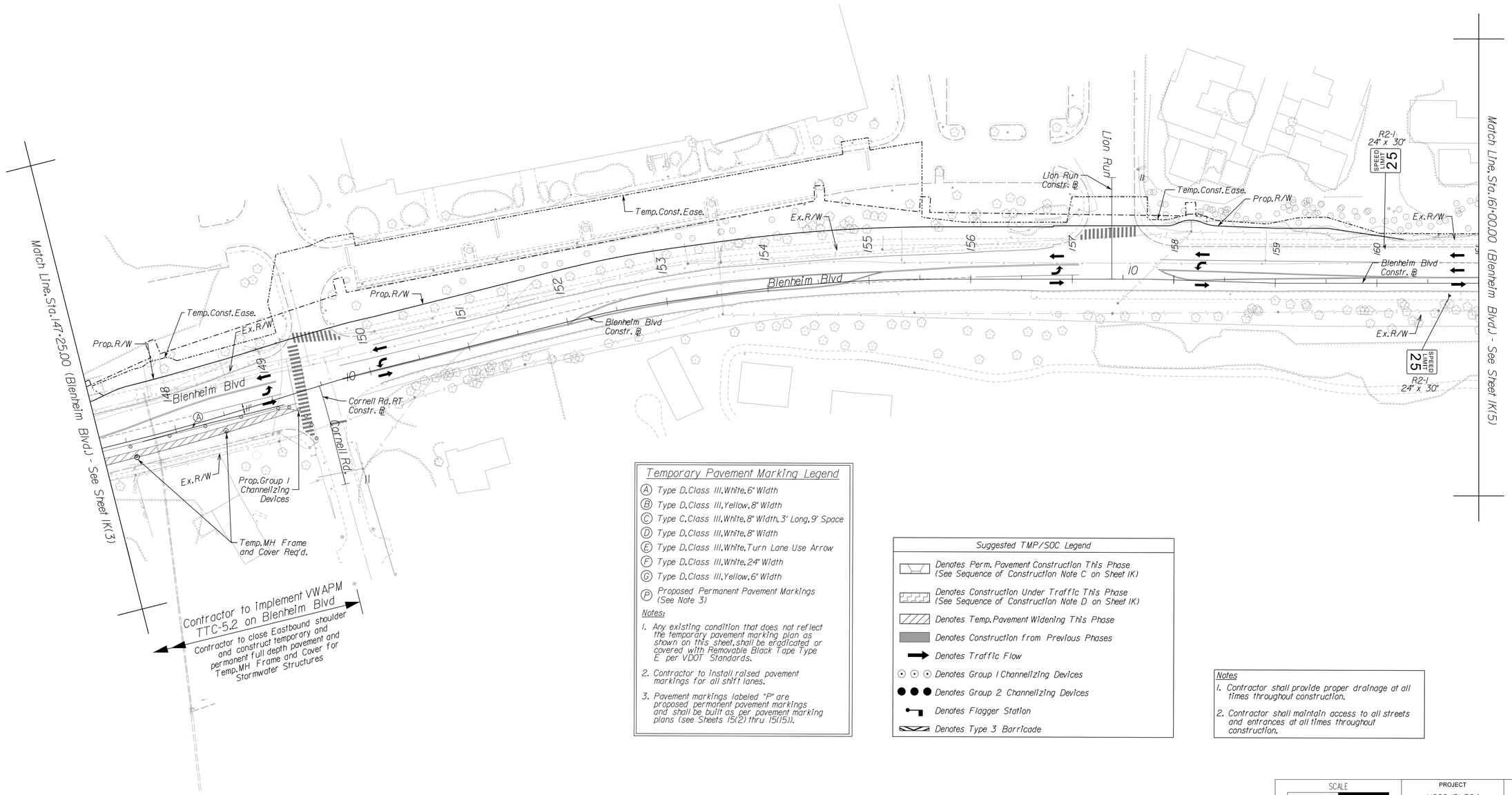
Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1K(4)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

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- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE: 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	1K(4)

4/22/2025

FINAL PLANS

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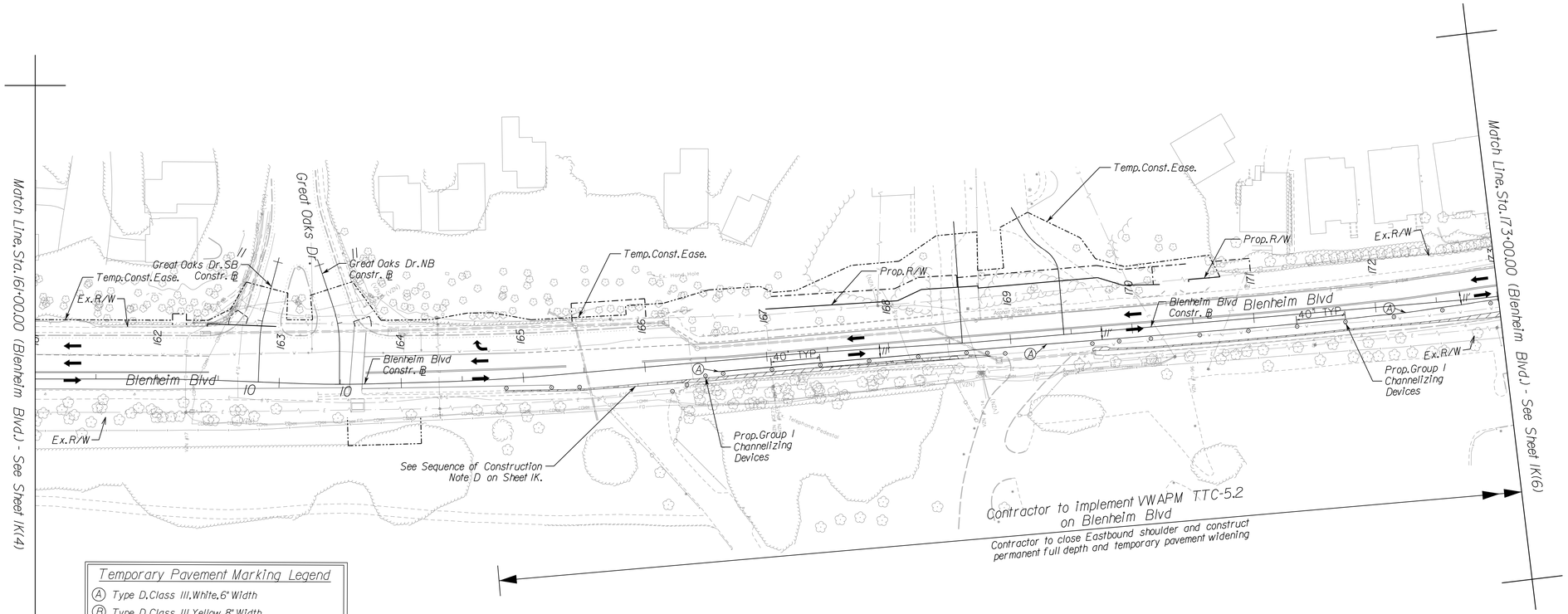
Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IK(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- Ⓐ Type D, Class III, White, 6" Width
- Ⓑ Type D, Class III, Yellow, 8" Width
- Ⓒ Type C, Class III, White, 8" Width, 3' Long, 9' Space
- Ⓓ Type D, Class III, White, 8" Width
- Ⓔ Type D, Class III, White, Turn Lane Use Arrow
- Ⓕ Type D, Class III, White, 24" Width
- Ⓖ Type D, Class III, Yellow, 6" Width
- Ⓟ Proposed Permanent Pavement Markings (See Note 3)

Notes:

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- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IK(5)

FINAL PLANS

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4/22/2025

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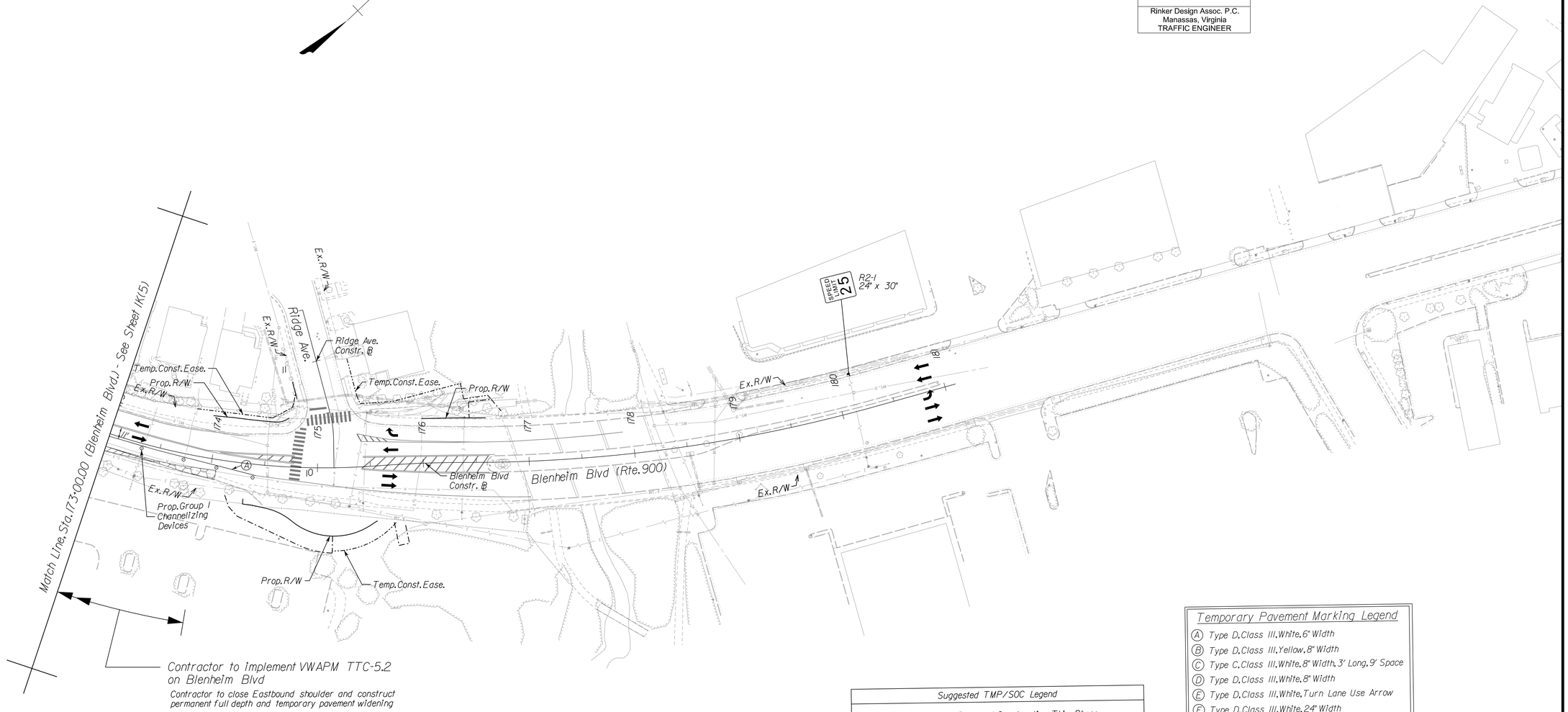
Temporary Traffic Control Plan Phase I

COMMONWEALTH OF VIRGINIA
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1K(6)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Notes
1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

Suggested TMP/SOC Legend

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- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet 1K)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:
1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed, permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

SCALE: 0 50' 100'	PROJECT	SHEET NO.
	U000-151-R94	1K(6)

4/22/2025

FINAL PLANS

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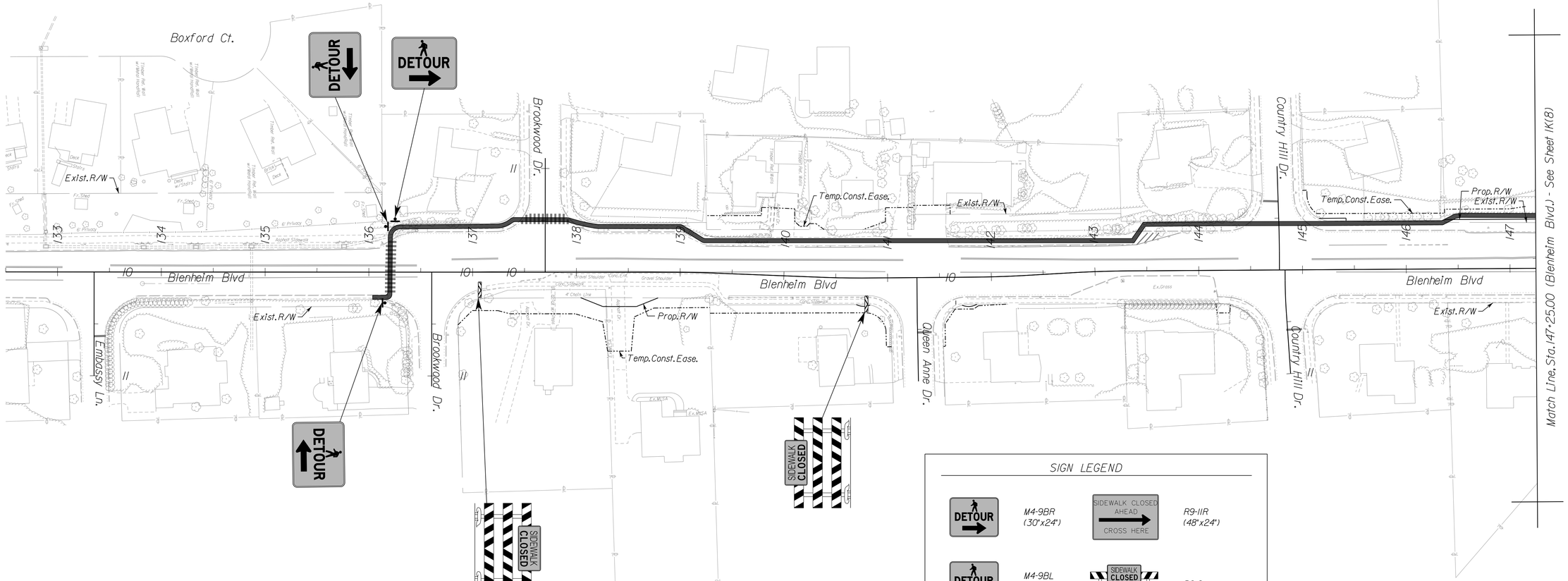
Pedestrian Detour Phase I

COMMONWEALTH OF VIRGINIA
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IK(7)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Note to Contractor:
All signs SHALL BE placed within the Right of Way or Temporary Construction Easement. NO EXCEPTIONS.

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IK(7)

4/22/2025

FINAL PLANS

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SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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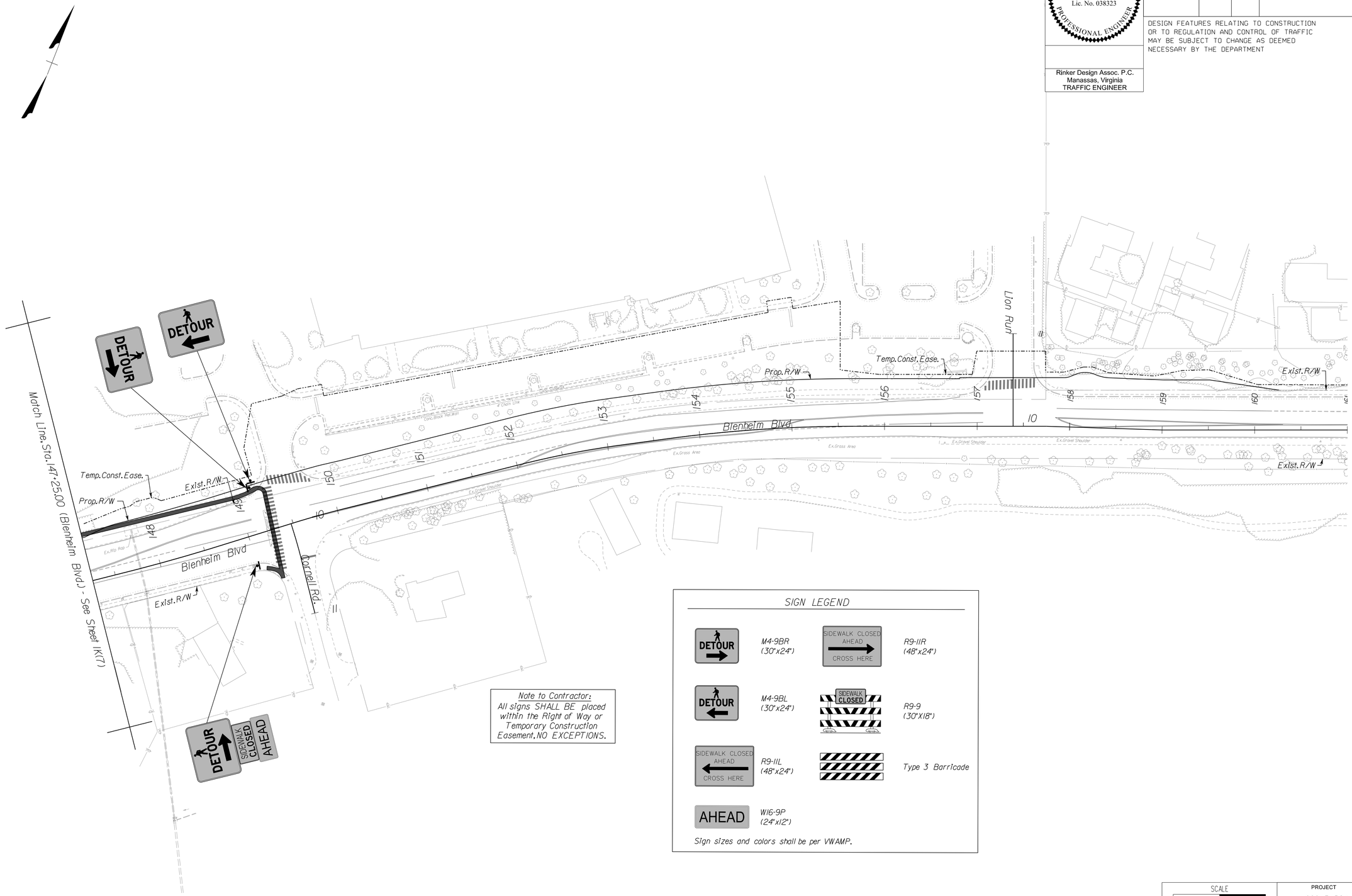
Pedestrian Detour Phase I

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IK(8)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Note to Contractor:
All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IK(8)

FINAL PLANS

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4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase IA

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	1K(9)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase IA Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase IA is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase IA, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas built under traffic designated for construction in TMP/SOC Phase IA and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-23.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall close the crosswalk as shown on plans and reroute pedestrians crossing Blenheim Blvd. to use the existing crosswalks at Sta. 106+75 and / or Sta. 116+85.

Van Dyck Park Entr.
Saint Leo the Great Catholic Church
Saint Leo the Great Catholic School
Van Dyck Park Entr. Constr. Ⓑ
See Sequence of Construction Note D
R9-9 30" x 18" SIDEWALK CLOSED
Temp.Const.Ease.
Ex.R/W
R2-1 24" x 30" SPEED LIMIT 25
Sherwood Community Center Entr.
Sherwood Community Center Entr. Constr. Ⓑ
Prop.R/W
Blenheim Blvd
Blenheim Blvd Constr. Ⓑ
Daniels Run Elementary School
Prop. Group 2 Channelizing Devices
SIDEWALK CLOSED R9-9 30" x 18"
SPEED LIMIT 25 R2-1 24" x 30"
Prop. R/W
Temp. Const. Ease.
Temp.Const. Ease.
Contractor to Implement VWAPM TTC-23.2 on Blenheim Blvd
Contractor to close Eastbound Thru Lane and Implement Alternating One-Way Traffic on the Westbound Lane utilizing flagger operations to allow for construction of Permenant Full-Depth Pavement
12'
20'
40' TYP

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet 1L(2))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	1K(9)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 2

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 2 Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 2 is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 2, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 2 and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-4.2, TTC-5.2, TTC-7.1, and TTC-23.2 including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall implement TTC-4.2 and TTC-7.1 on Blenheim Blvd. and utilize group II channelizing devices to close the Eastbound shoulder, as necessary, to allow for the construction of the roadway, as shown on plans.

F. Contractor shall install storm structures and storm pipe runs on Blenheim Blvd., as shown on plans, by implementing TTC-23.2 and applying daily lane closures with flagger operations during non-peak hours, as necessary.

G. Contractor shall construct the areas designated for construction in this phase so that no more than ONE bus stop is non-operational at a time. Contractor shall coordinate bus stop closures with Fairfax County Connector (local bus system) and ensure that the next and previous bus stops are operational.

H. Contractor shall implement detour route for pedestrians (see Sheets IL(2) thru IL(4)). For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Contractor to Implement VWAPM TTC-4.2 & TTC-7.1 on Blenheim Blvd
Contractor to shift traffic to allow for the construction of storm structure

Contractor to implement daily lane closures & flagging operation (TTC-23.2) during non-peak hours to trench proposed storm pipe.

Layton Hall Dr. Constr. @
Temp. Const. Ease.
Prop. R/W
Prop. Group 2 Channelizing Devices
Ex. R/W
Blenheim Blvd Constr. @
Blenheim Blvd
Farrcroft Dr. Constr. @
Farrcroft Dr.
SPEED LIMIT 25 R2-1 24" x 30"
SIDEWALK CLOSED R9-9 30" x 18"
Sherwood Community Center Entr. Constr. @
Sherwood Community Center Entr.
Temp. Const. Ease.
Ex. R/W
Prop. R/W
Prop. Group 2 Channelizing Devices
See Sequence of Construction Note D on Sheet IL.
Match Line, Sta. 108+25.00 (Blenheim Blvd.) - See Sheet IL(1)

Contractor to Implement VWAPM TTC-4.2 & TTC-7.1 on Blenheim Blvd
Contractor to shift traffic and close Eastbound Shoulder to allow for the construction of the Eastbound Corridor

Contractor to Implement VWAPM TTC-5.2 on Blenheim Blvd
Contractor to close Eastbound shoulder and construct curb ramp

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:
1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes
1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

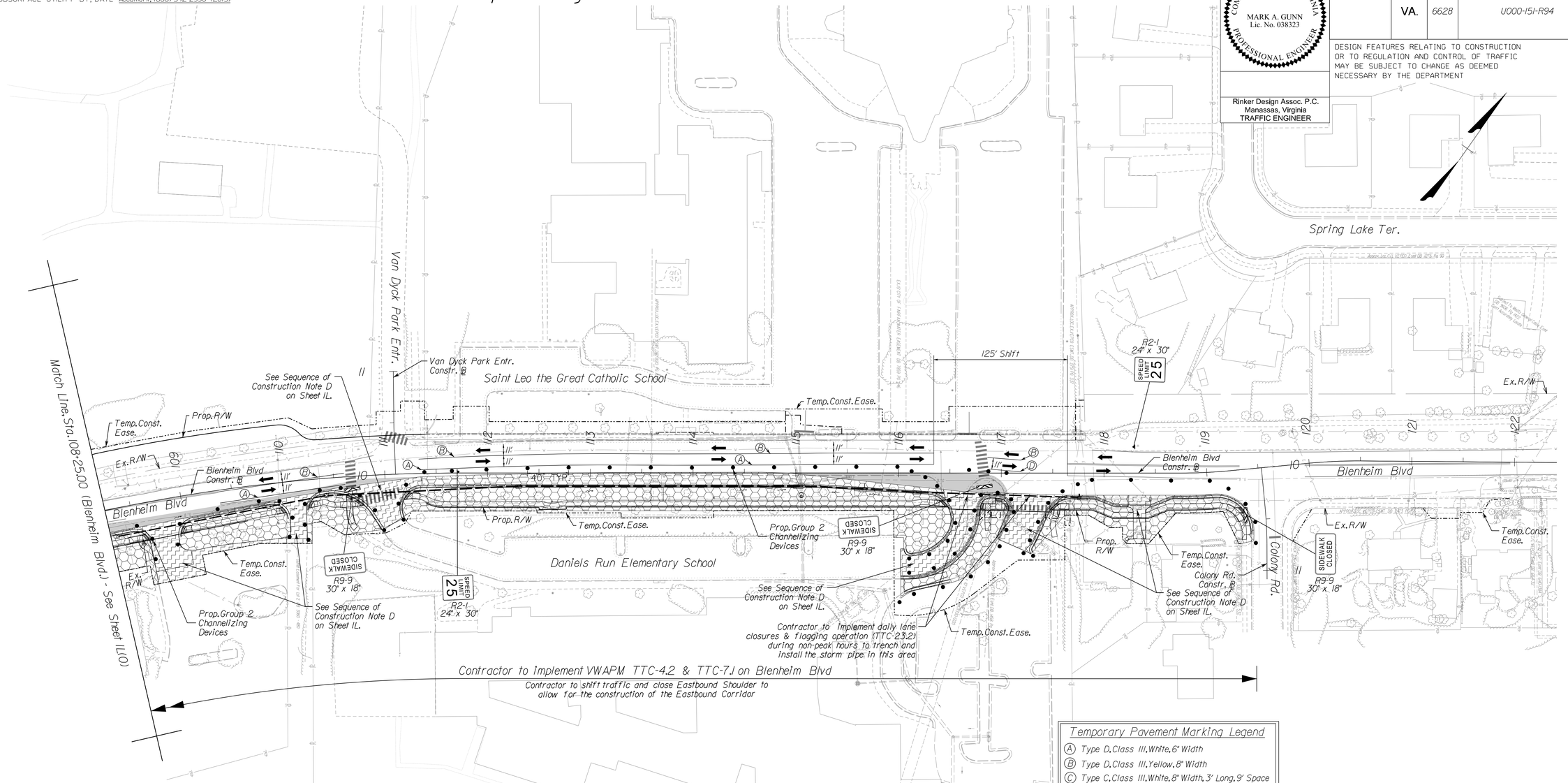
Temporary Traffic Control Plan Phase 2

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(1)

4/22/2025

FINAL PLANS | THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 2

COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

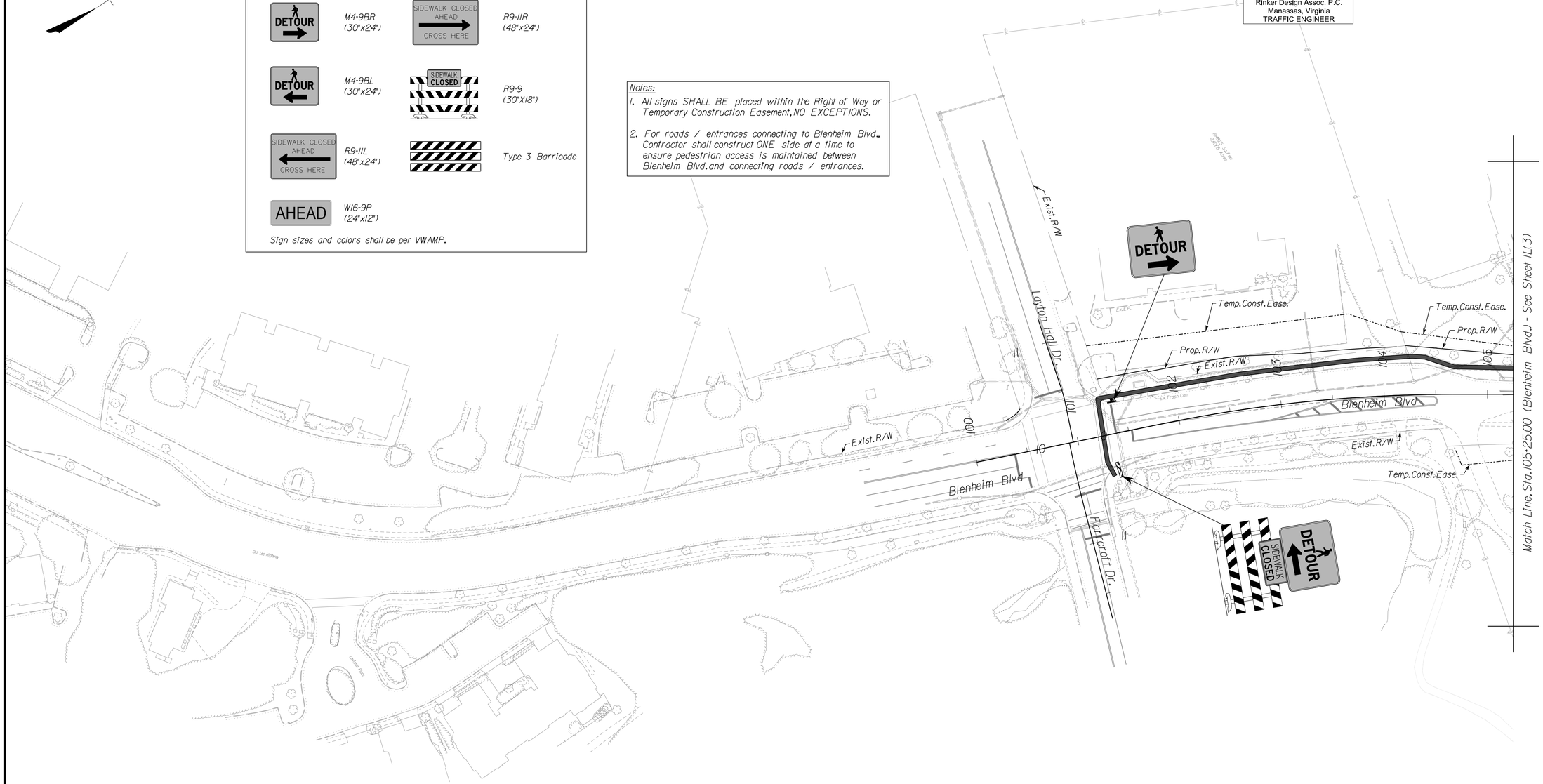
SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:

1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(2)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

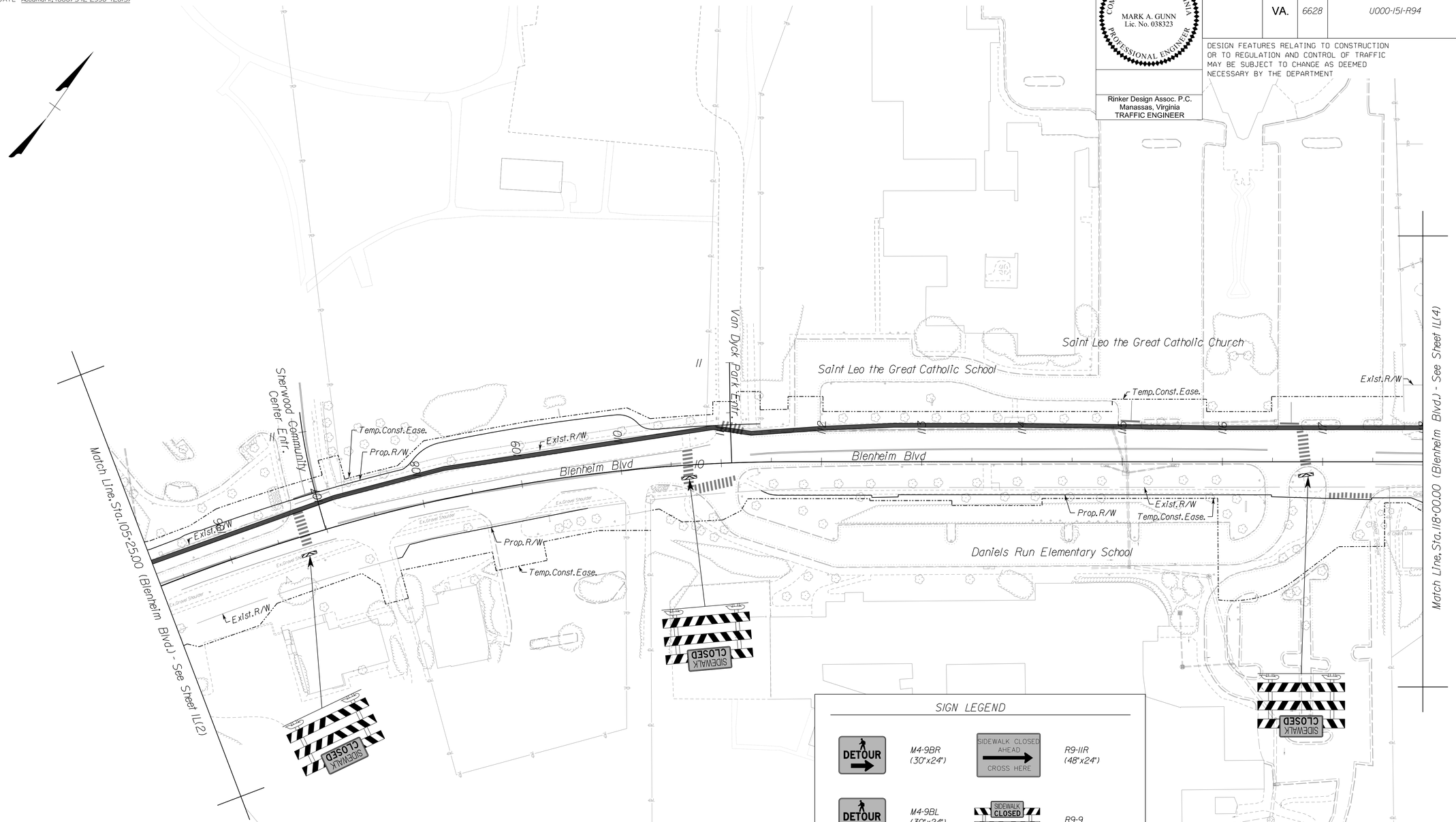
Pedestrian Detour Phase 2

COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Notes:

1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(3)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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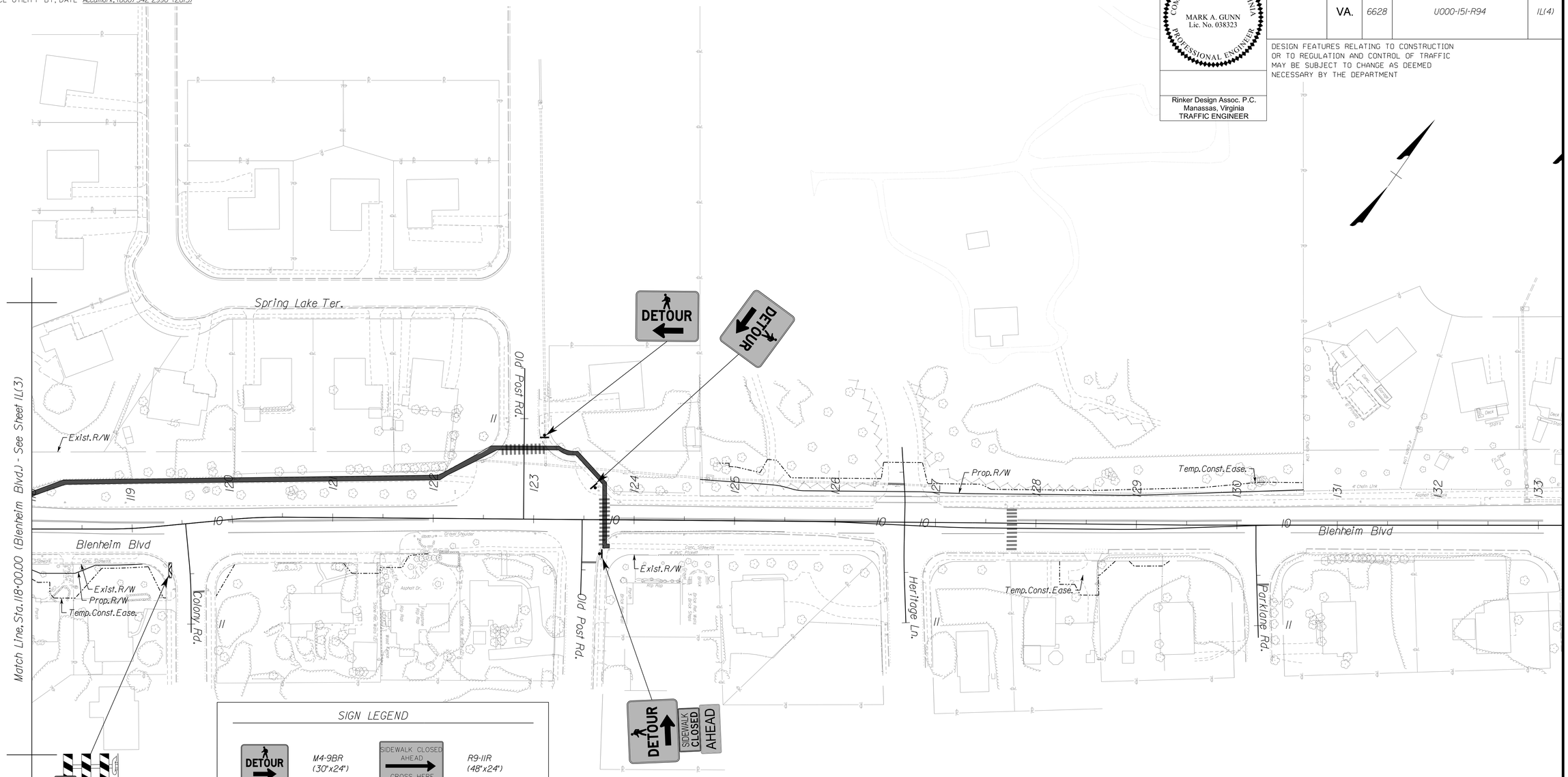
Pedestrian Detour Phase 2

COMMONWEALTH OF VIRGINIA
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Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(4)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:

1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(4)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 2A Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 2A is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 2A, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 2A and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-4.2, TTC-5.2, TC-7J, TTC-16.2, TTC-17.2, and TTC-23.2 including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall implement TTC-16.2 and TTC-17.2 and alternate lane closures on Ridge Avenue during non-peak hours and sequence construction to maintain traffic flow. Contractor shall mill and overlay existing pavement and construct proposed roadway.

F. Contractor shall implement TTC-4.2 and TTC-7J on Blenheim Blvd. and utilize group II channelizing devices to close the Westbound shoulder, as necessary, to allow for construction of the Westbound Corridor, as shown on plans.

G. Contractor shall install storm structures and storm pipe run on the north side of Blenheim Blvd., as shown on plans.

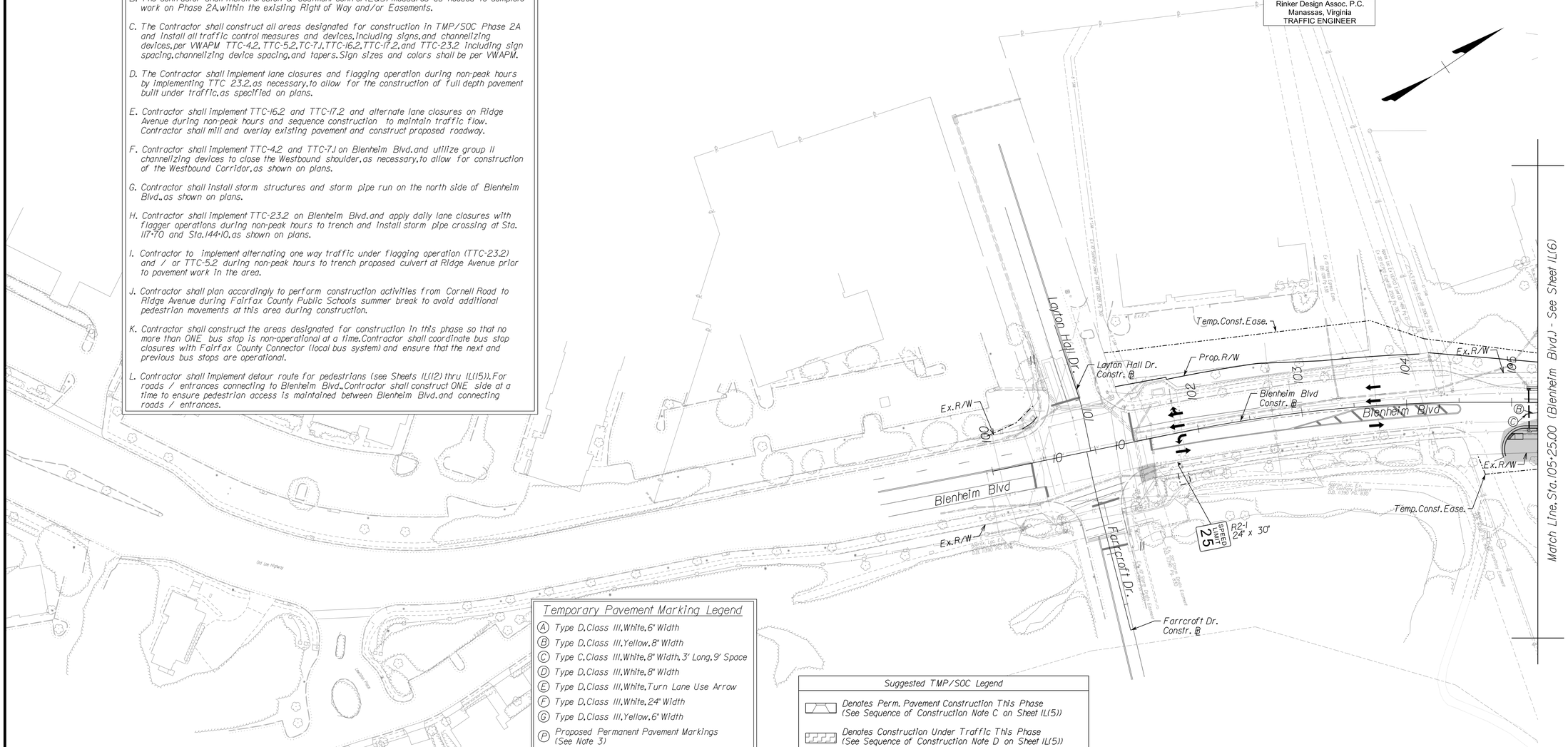
H. Contractor shall implement TTC-23.2 on Blenheim Blvd. and apply daily lane closures with flagger operations during non-peak hours to trench and install storm pipe crossing at Sta. 117+70 and Sta. 144+10, as shown on plans.

I. Contractor to implement alternating one way traffic under flagging operation (TTC-23.2) and / or TTC-5.2 during non-peak hours to trench proposed culvert at Ridge Avenue prior to pavement work in the area.

J. Contractor shall plan accordingly to perform construction activities from Cornell Road to Ridge Avenue during Fairfax County Public Schools summer break to avoid additional pedestrian movements at this area during construction.

K. Contractor shall construct the areas designated for construction in this phase so that no more than ONE bus stop is non-operational at a time. Contractor shall coordinate bus stop closures with Fairfax County Connector (local bus system) and ensure that the next and previous bus stops are operational.

L. Contractor shall implement detour route for pedestrians (see Sheets IL(12) thru IL(15)). For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL(5))
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(5)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(6)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Match Line Sta.105+25.00 (Blenheim Blvd.) - See Sheet IL(5)

Match Line Sta.118+00.00 (Blenheim Blvd.) - See Sheet IL(7)

Van Dyck Park Entr.

Van Dyck Park Entr. Constr. Ⓟ

Sherwood Community Center Entr.

Sherwood Community Center Entr. Constr. Ⓟ

Temp.Const.Ease.

Prop.R/W

Ex.R/W

Blenheim Blvd

Blenheim Blvd Constr. Ⓟ

Saint Leo the Great Catholic School

Daniels Run Elementary School

Ent. at Daniels Run E.S. Constr. Ⓟ

SPEED LIMIT 25 — R2-1 24" x 30"

Contractor to implement VWAPM TTC-4.2 & TTC-7.1 on Blenheim Blvd

Contractor to shift traffic and close Westbound Shoulder to allow for the constructuin of the Westbound Corridor

250' Shift

See Sequence of Construction Note D on Sheet IL(5).

R9-9 30" x 18" SIDEWALK CLOSED

Contractor to implement daily lane closures & flagging operation (TTC-23.2) during non-peak hours to trench proposed storm pipe.

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL(5))
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IL(6)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

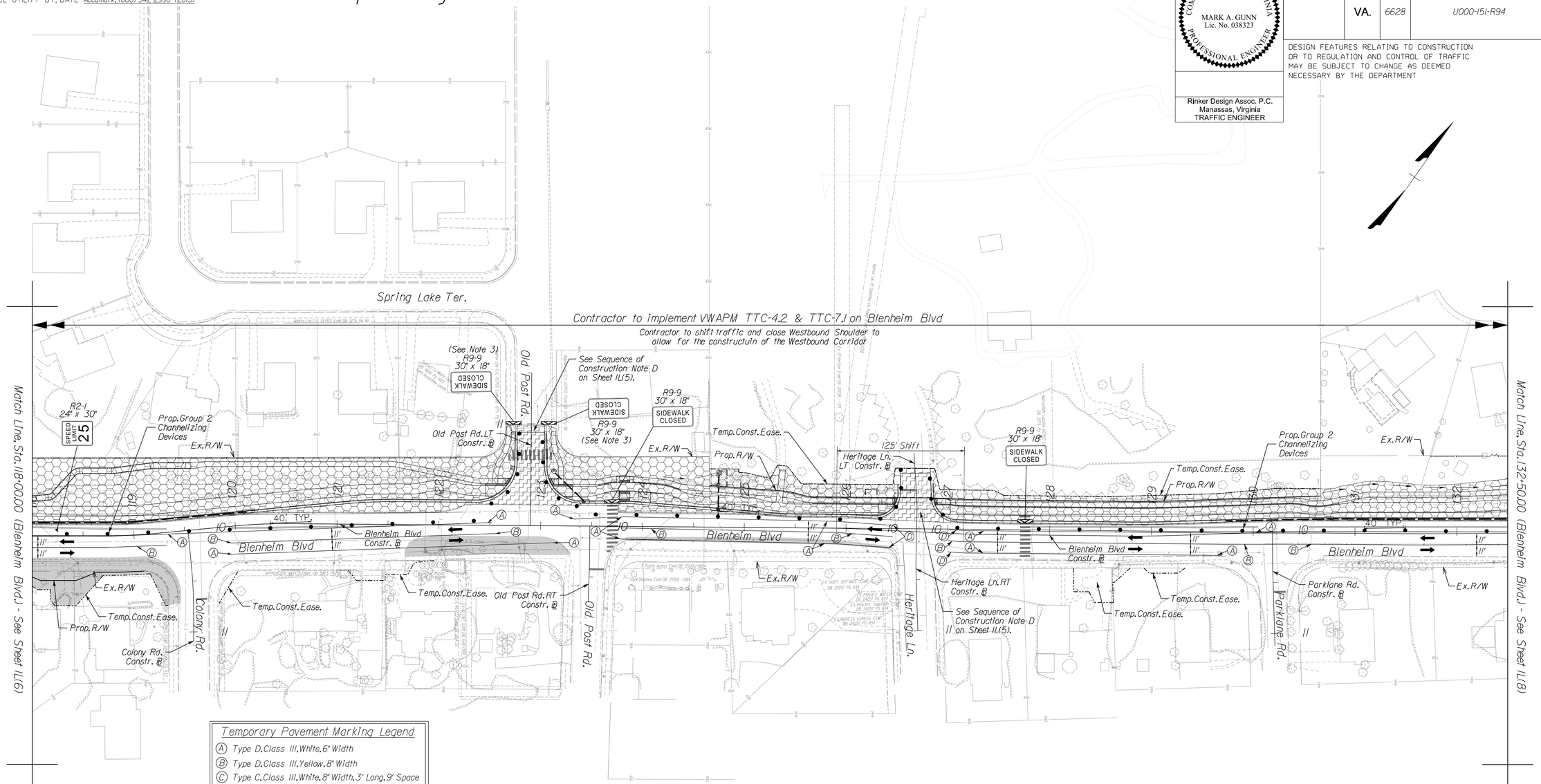
Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(7)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be erradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(5)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL(5))
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IL(7)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

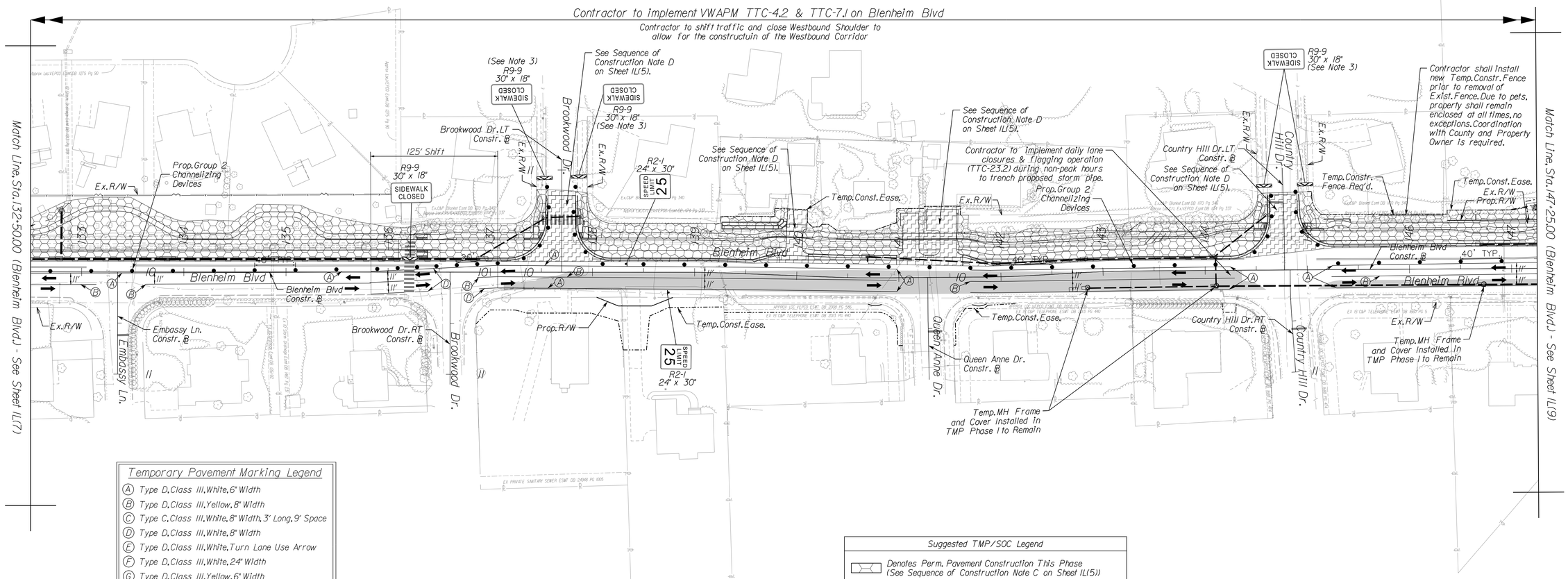
Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(8)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(5)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL(5))
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(8)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

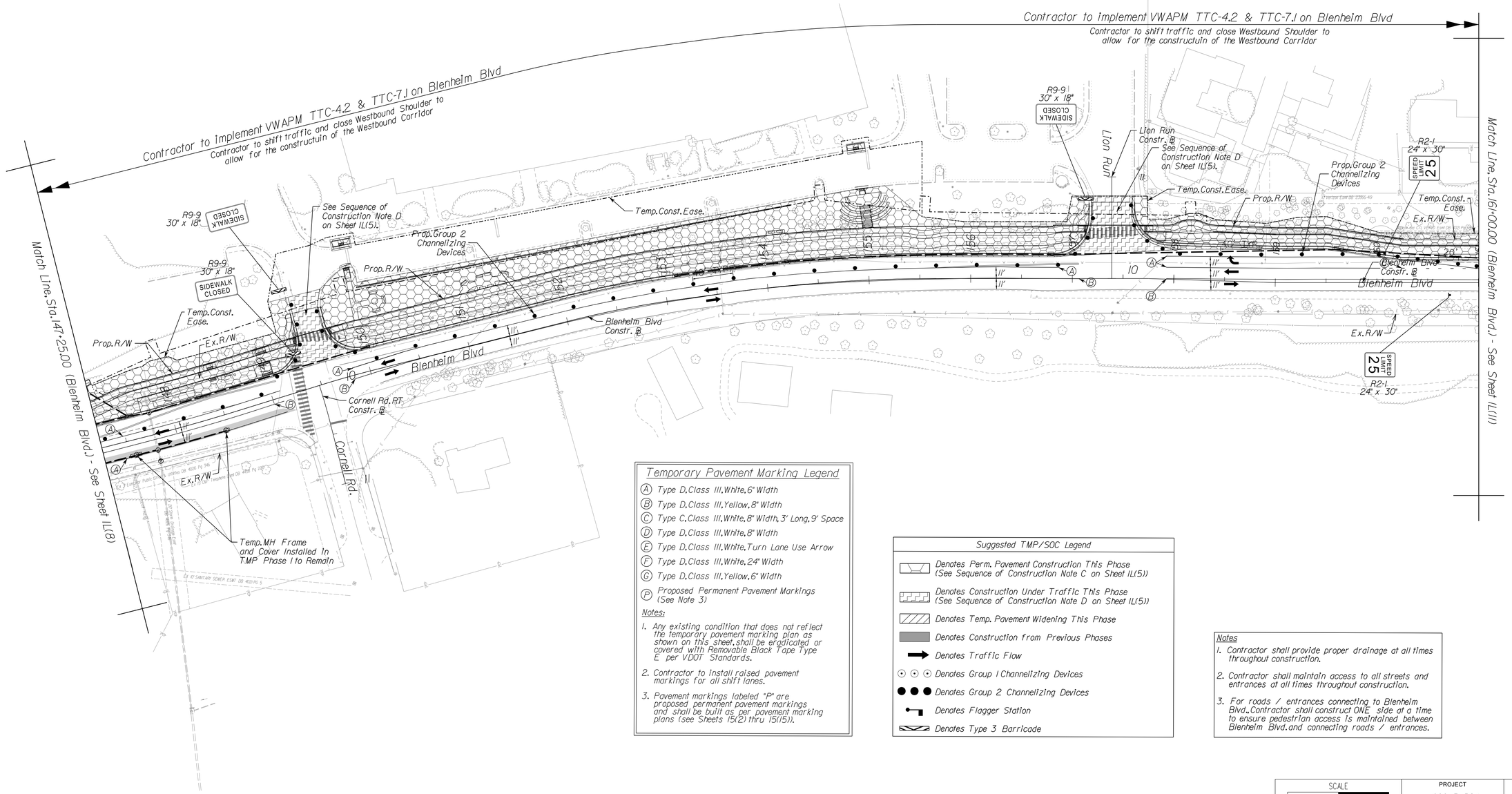
Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(9)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL(5))
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(9)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

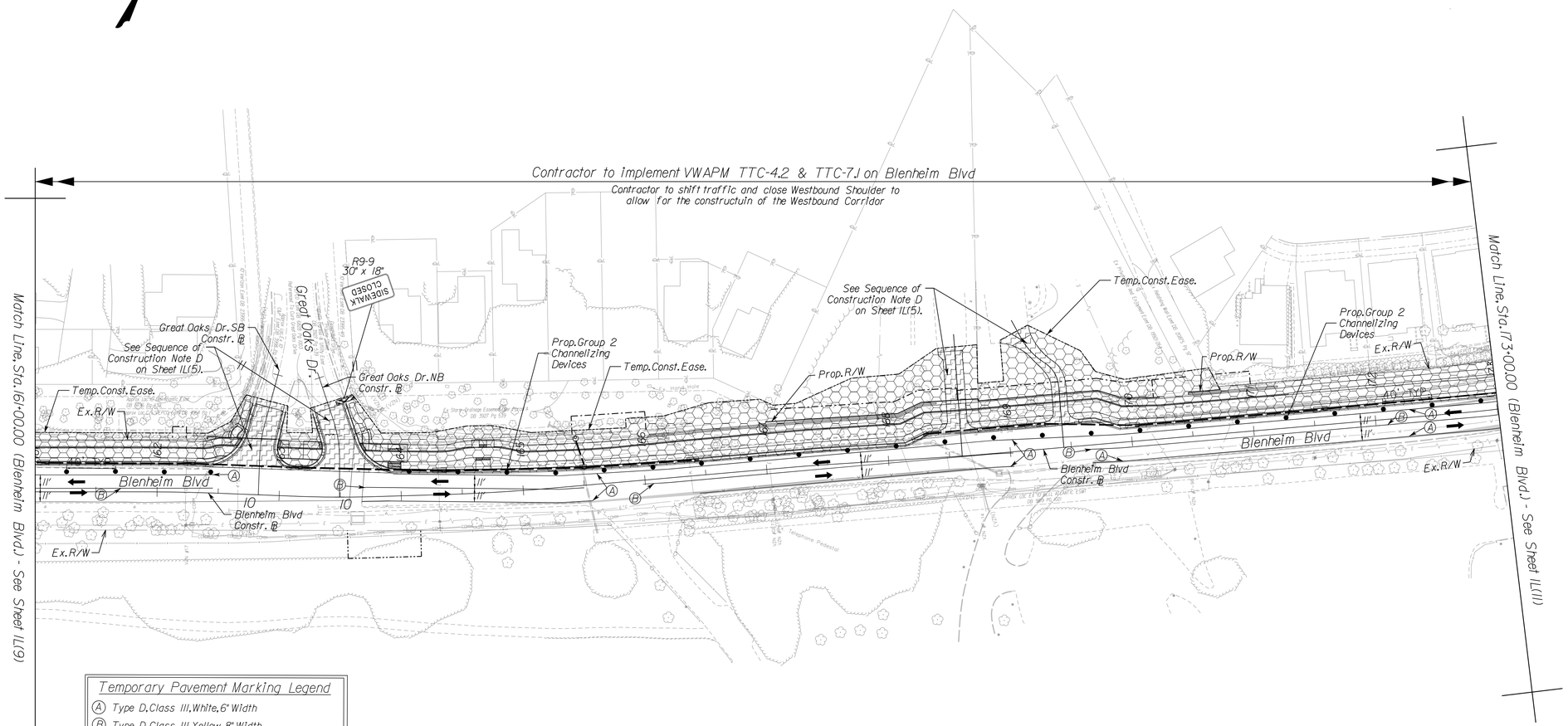
Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(10)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

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- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE: 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IL(10)

4/22/2025

FINAL PLANS

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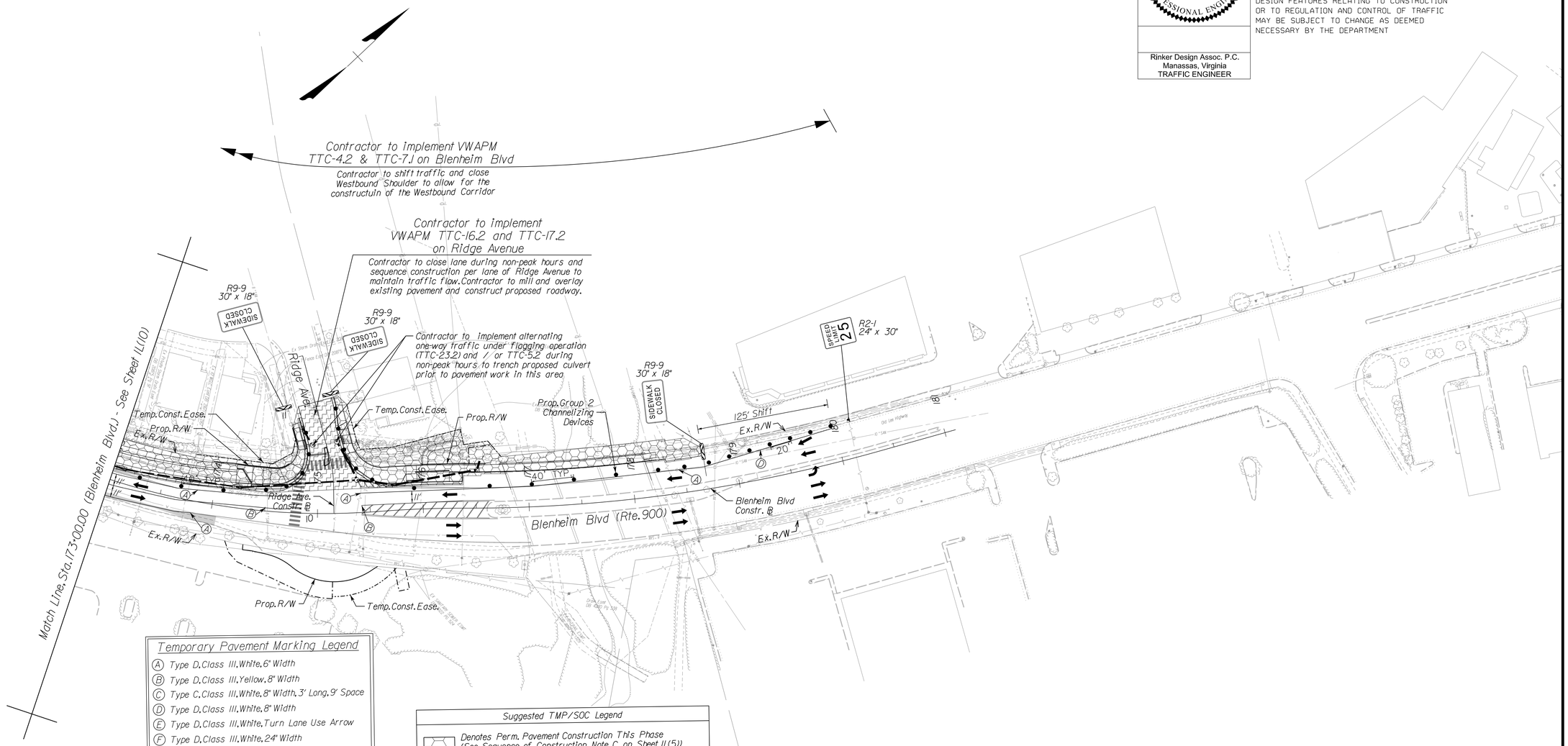
Temporary Traffic Control Plan Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(11)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IL(5))
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IL(5))
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(11)

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

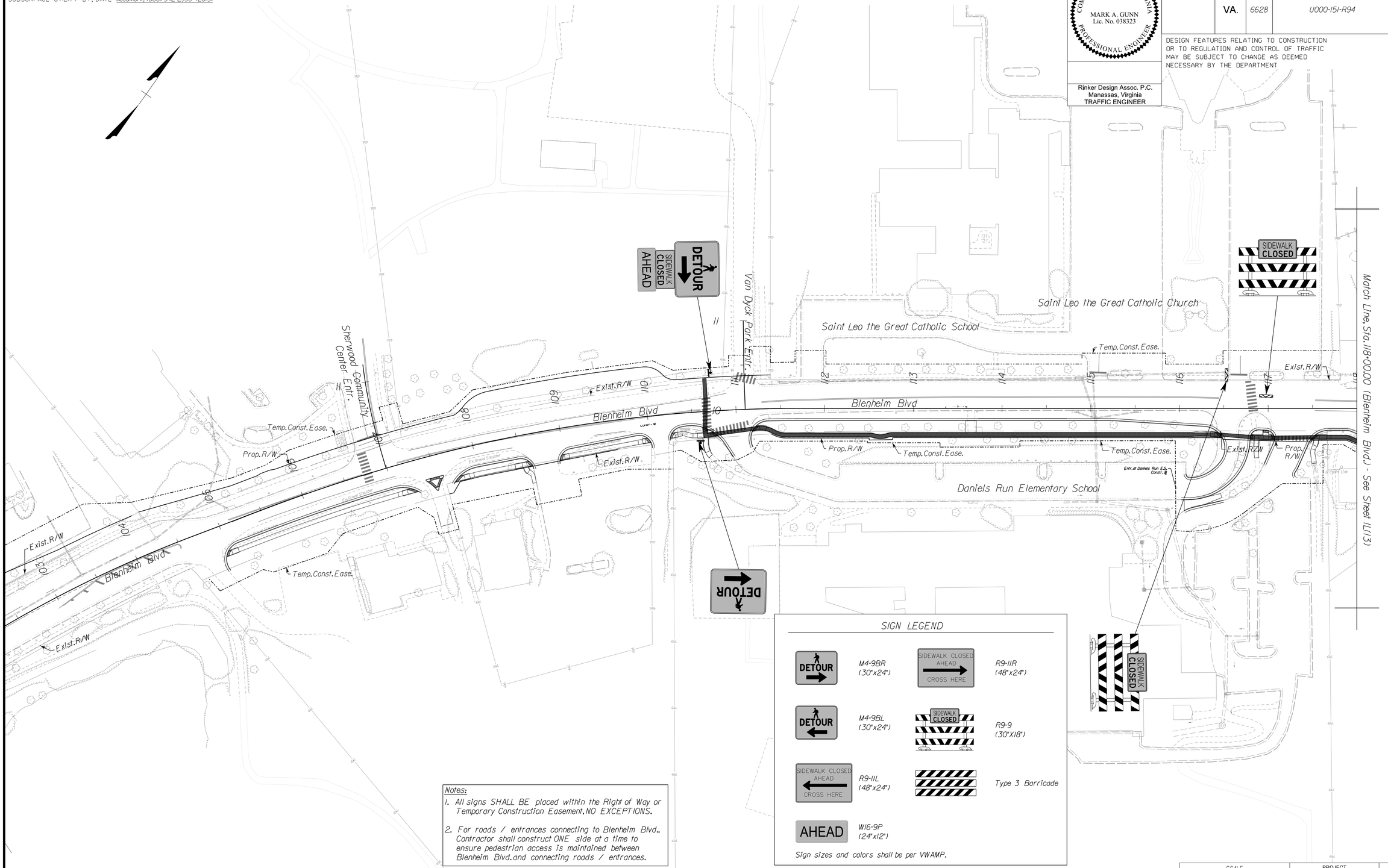
Pedestrian Detour Phase 2A

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(12)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(12)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

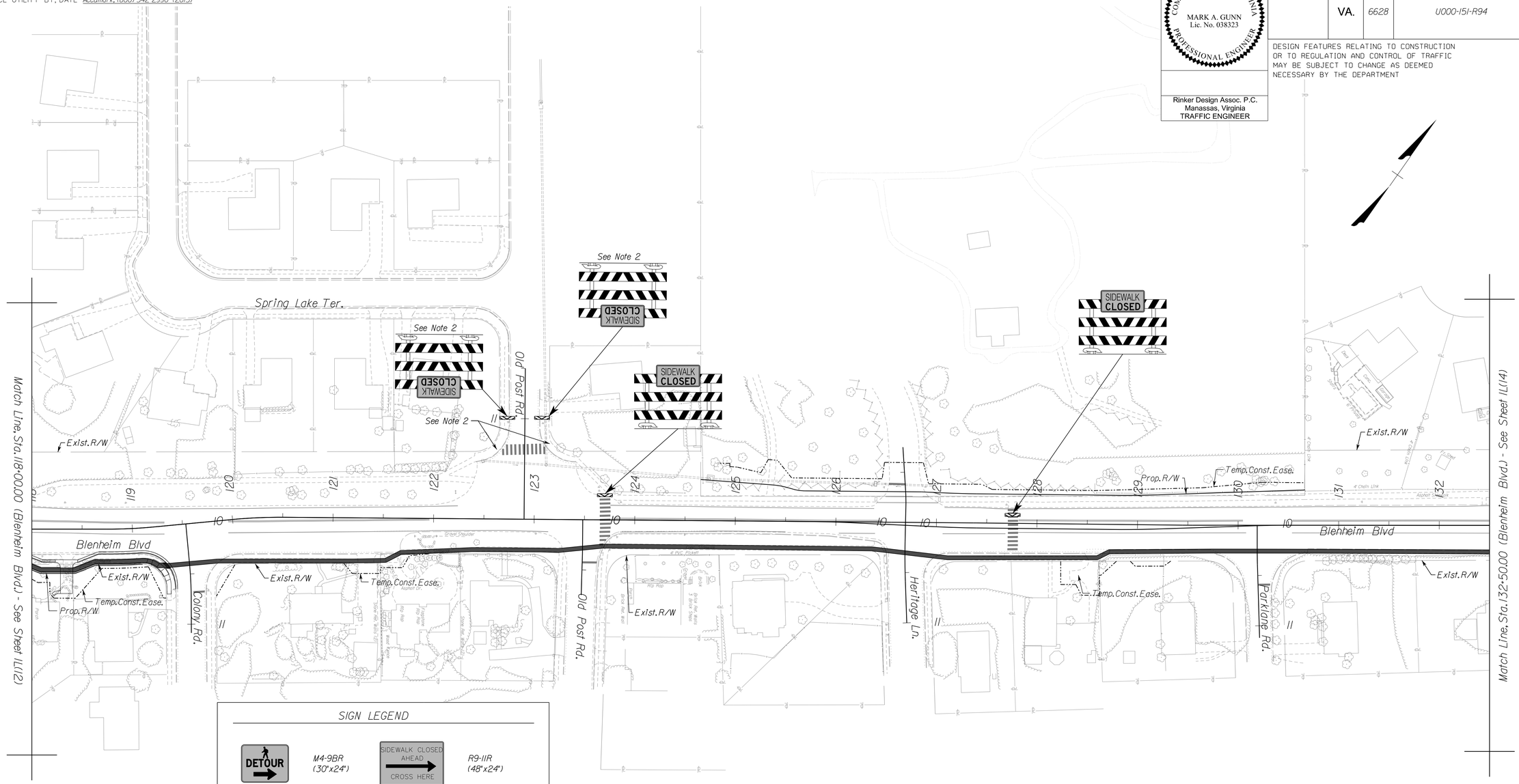
Pedestrian Detour Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(13)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:

1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(13)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 2A

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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(14)

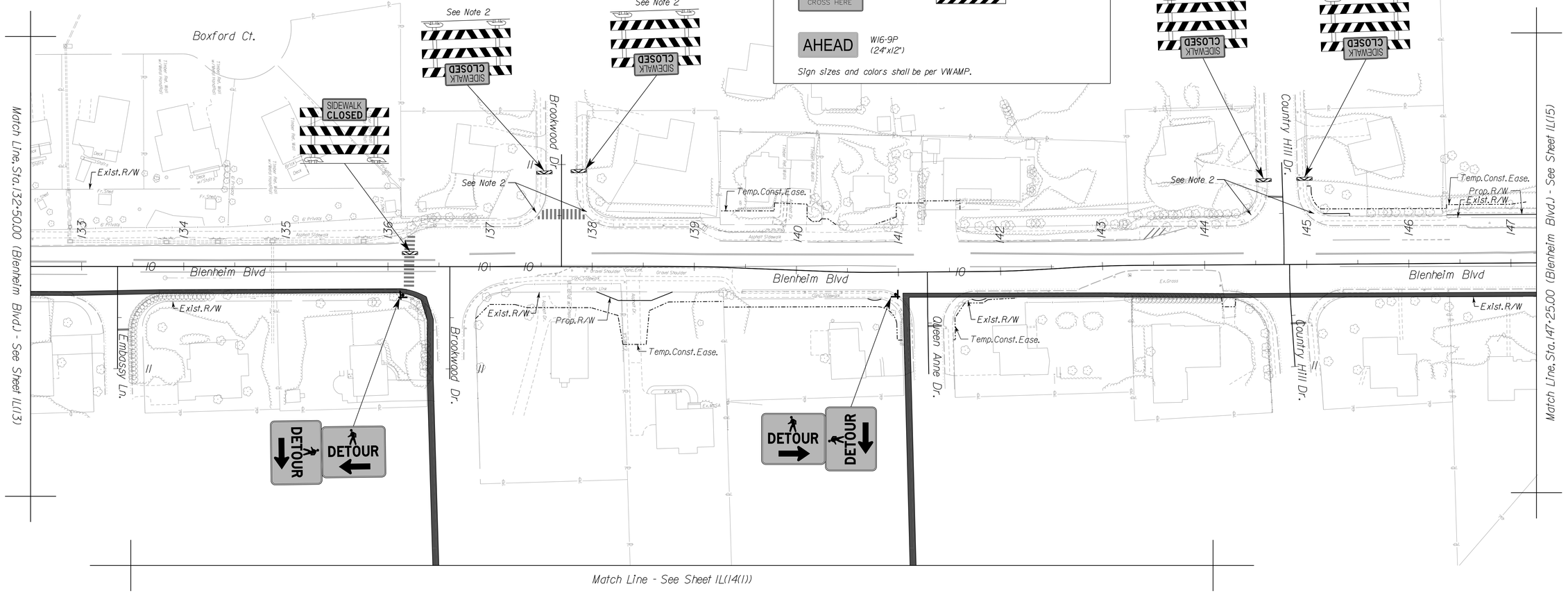
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SIGN LEGEND

DETOUR	M4-9BR (30"x24")
DETOUR	M4-9BL (30"x24")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")
AHEAD	W16-9P (24"x12")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
SIDEWALK CLOSED	R9-9 (30"X18")
	Type 3 Barricade

Sign sizes and colors shall be per VWAMP.



SCALE: 0 50' 100'	PROJECT U000-151-R94	SHEET NO. IL(14)

FINAL PLANS

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4/22/2025

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SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
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Pedestrian Detour Phase 2A

COMMONWEALTH OF VIRGINIA
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Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(14(1))

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(14(1))

FINAL PLANS

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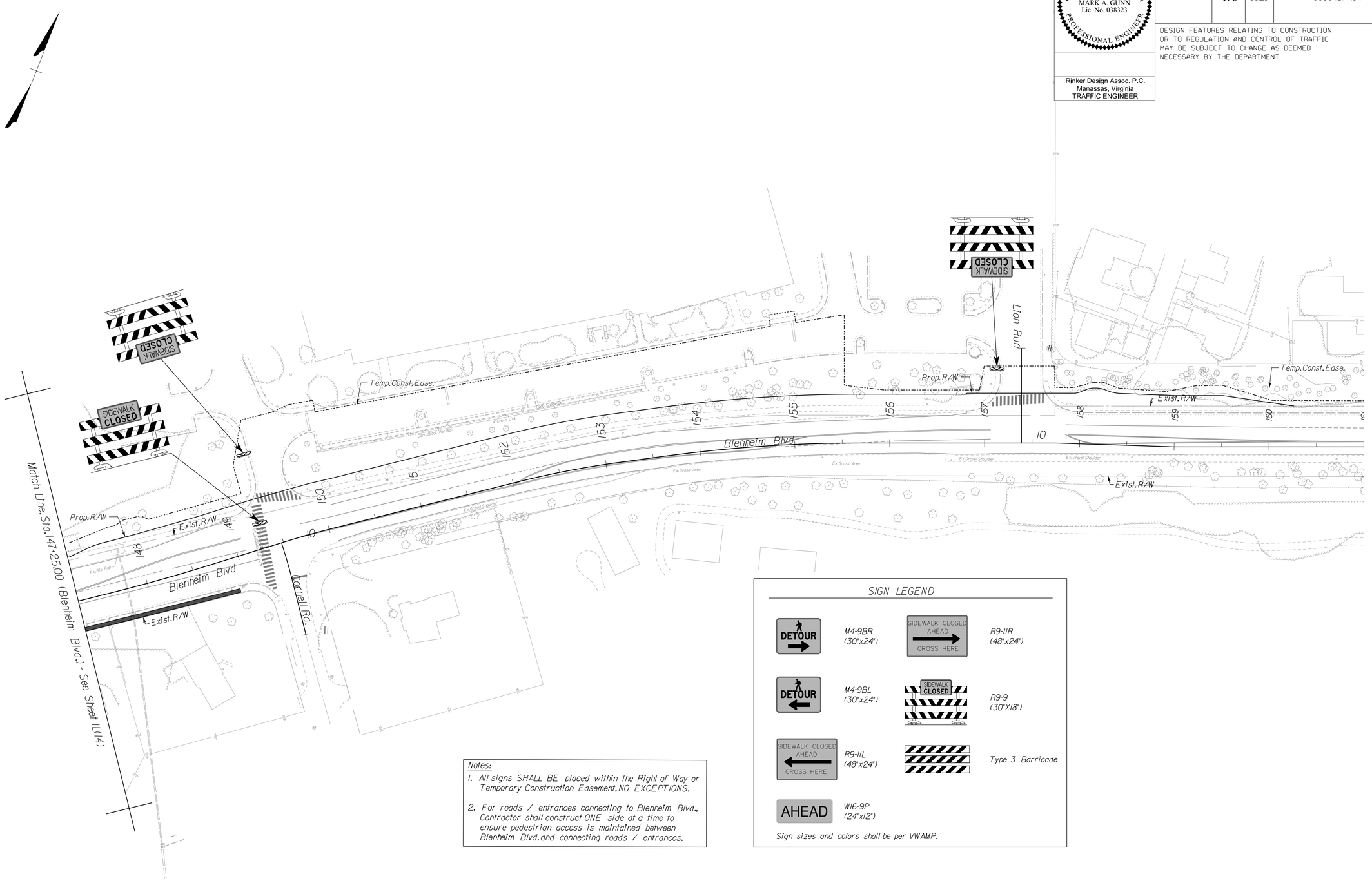
Pedestrian Detour Phase 2A

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IL(15)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Notes:

1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IL(15)

FINAL PLANS

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4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 3 Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 3 is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 3, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 3 and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-4.2, TTC-5.2, TTC-7.1, TTC-23.2, and TTC-24.2 including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. The Contractor shall implement lane closures and flagging operation during non-peak hours by implementing TTC 23.2, as necessary, to allow for the construction of full depth pavement built under traffic, as specified on plans.

E. Contractor shall implement TTC-4.2 and TTC-7.1 on Blenheim Blvd. and utilize group II channelizing devices to close the Westbound and Eastbound shoulders, as necessary, to allow for construction of the roadway, as shown on plans.

F. Contractor shall implement TTC-24.2 on Blenheim Blvd. to implement alternating one way traffic under flagger operations, as necessary, to allow for the construction of the roadway, as shown on plans. When implementing lane closures, Contractor shall construct the corridor ONE segment at a time, implementing alternating one way traffic under flagger operations for each respective segment accordingly. Contractor shall segment construction so that no more than 500' of traffic on Blenheim Blvd. is under flagger operation at a time.

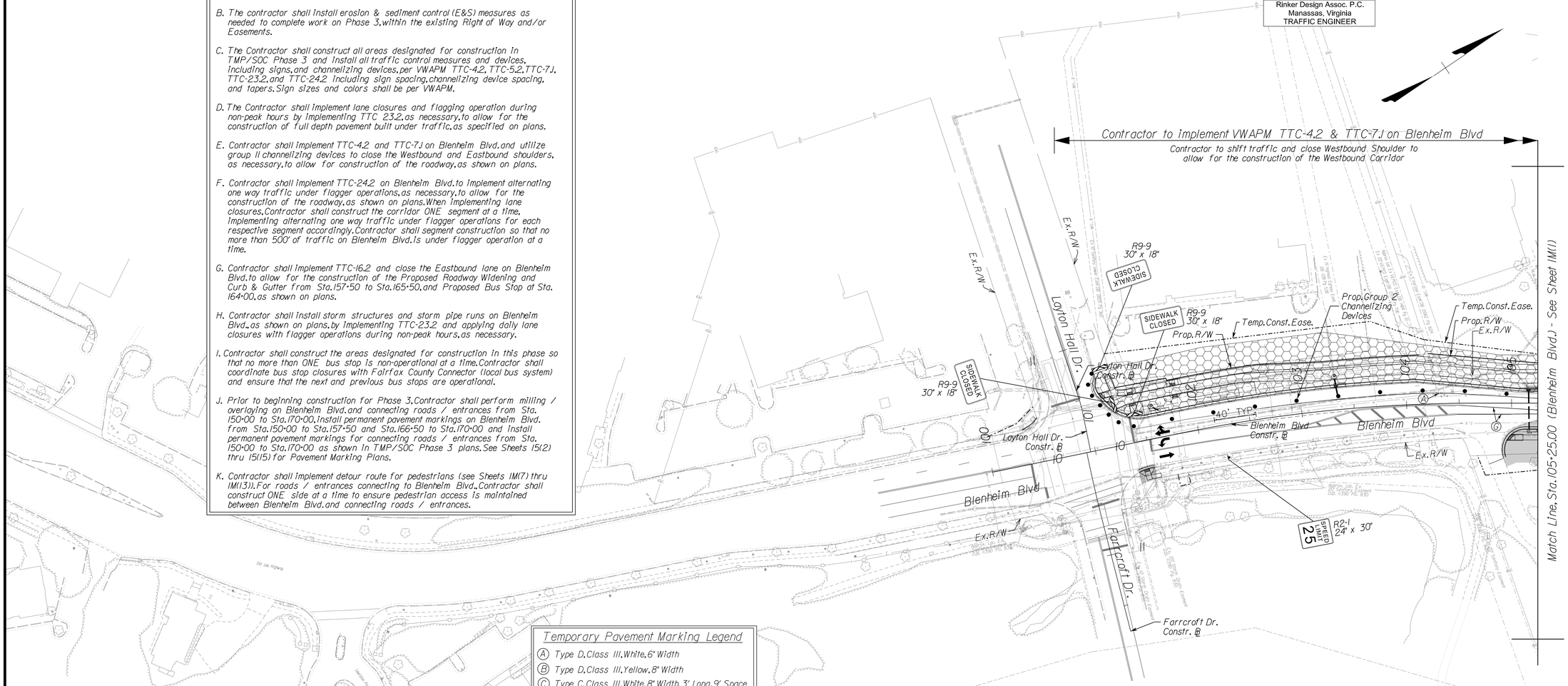
G. Contractor shall implement TTC-16.2 and close the Eastbound lane on Blenheim Blvd. to allow for the construction of the Proposed Roadway Widening and Curb & Gutter from Sta. 157+50 to Sta. 165+50, and Proposed Bus Stop at Sta. 164+00, as shown on plans.

H. Contractor shall install storm structures and storm pipe runs on Blenheim Blvd., as shown on plans, by implementing TTC-23.2 and applying daily lane closures with flagger operations during non-peak hours, as necessary.

I. Contractor shall construct the areas designated for construction in this phase so that no more than ONE bus stop is non-operational at a time. Contractor shall coordinate bus stop closures with Fairfax County Connector (local bus system) and ensure that the next and previous bus stops are operational.

J. Prior to beginning construction for Phase 3, Contractor shall perform milling / overlaying on Blenheim Blvd. and connecting roads / entrances from Sta. 150+00 to Sta. 170+00. Install permanent pavement markings on Blenheim Blvd. from Sta. 150+00 to Sta. 157+50 and Sta. 166+50 to Sta. 170+00 and install permanent pavement markings for connecting roads / entrances from Sta. 150+00 to Sta. 170+00 as shown in TMP/SOC Phase 3 plans. See Sheets 15(2) thru 15(15) for Pavement Marking Plans.

K. Contractor shall implement detour route for pedestrians (see Sheets IM(7) thru IM(13)). For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IM)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IM)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IM

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Contractor to Implement VWAPM TTC-24.2 on Blenheim Blvd
Contractor to close Westbound Thru Lane and implement two-way traffic on the Eastbound Lane utilizing flagger service to allow for construction of westbound corridor

Contractor to Implement VWAPM TTC-4.2 & TTC-7.1 on Blenheim Blvd
Contractor to shift traffic and close Westbound Shoulder to allow for the construction of the Westbound Corridor

Van Dyck Park Entr.
Van Dyck Park Entr. Constr. ℄
Sherwood Community Center Entr.
Saint Leo the Great Catholic Church
Saint Leo the Great Catholic School
Daniels Run Elementary School
Blenheim Blvd
Blenheim Blvd Constr. ℄ (TYP.)
Match Line Sta.105+25.00 (Blenheim Blvd.) - See Sheet IM(0)
Match Line Sta.118+00.00 (Blenheim Blvd.) - See Sheet IM(2)

See Sequence of Construction Note D on Sheet IM.
(See Note 3) R9-9 30" x 18" SIDEWALK CLOSED
R9-9 30" x 18" SIDEWALK CLOSED
Contractor to Implement daily lane closures & flagging operation (TTC-23.2) during non-peak hours to trench proposed storm pipe.
Temp.Const.Ease.
Prop.R/W
Ex.R/W
125' Shift
Ex. R/W
R2-1 24" x 30" SPEED LIMIT 25
Prop.Group 2 Channelizing Devices
Prop.Group 2 Channelizing Devices
See Sequence of Construction Note D on Sheet IM.
See Sequence of Construction Note D on Sheet IM.
See Sequence of Construction Note D on Sheet IM.
SIDEWALK CLOSED R9-9 30" x 18"
Temp.Const.Ease.
Temp.Const.Ease.
Prop.R/W
Ex.R/W
Prop.R/W
Ex.R/W
Prop.R/W
Ex.R/W

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
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Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(2)

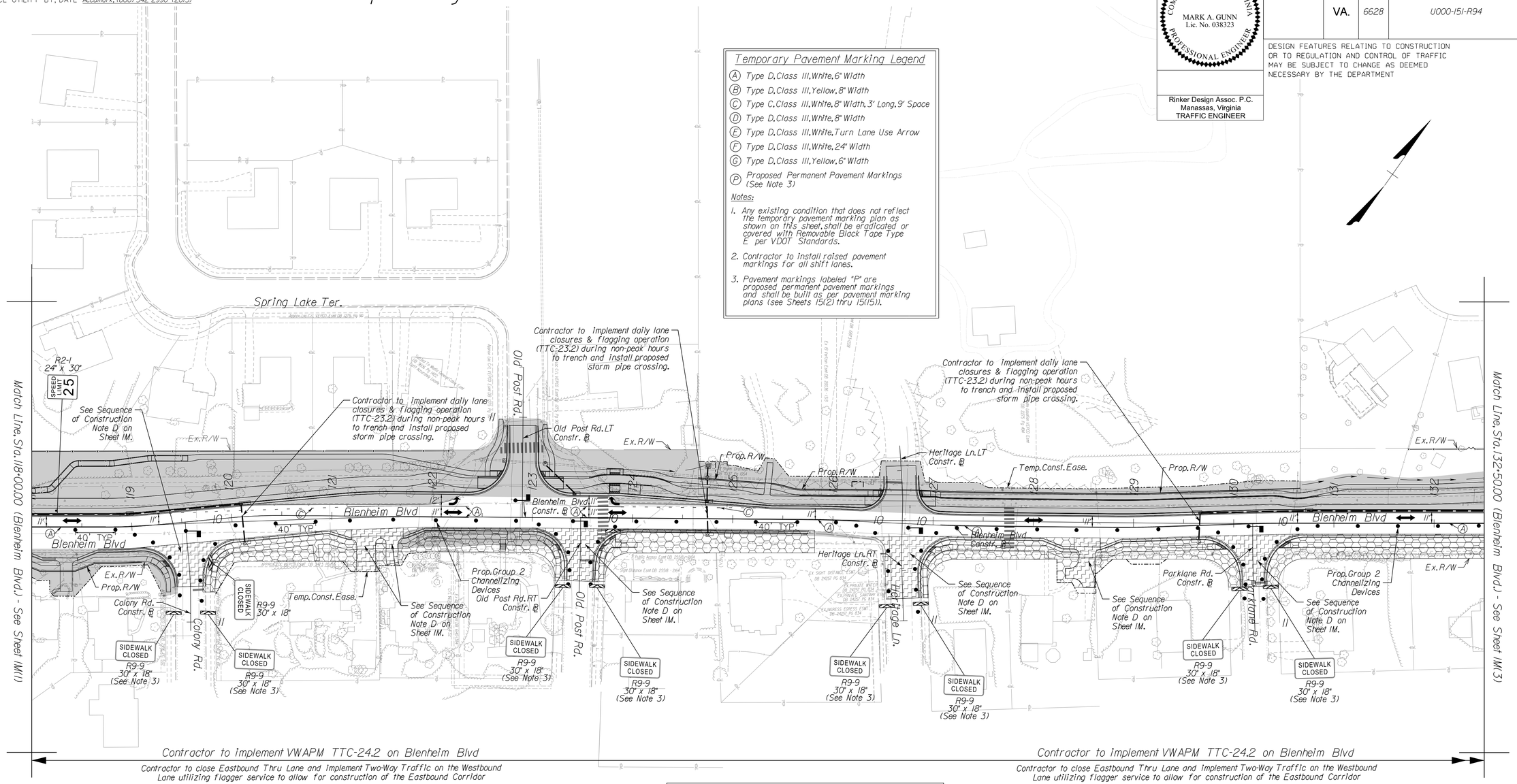
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(5)).



Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IM)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IM)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IM(2)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(3)

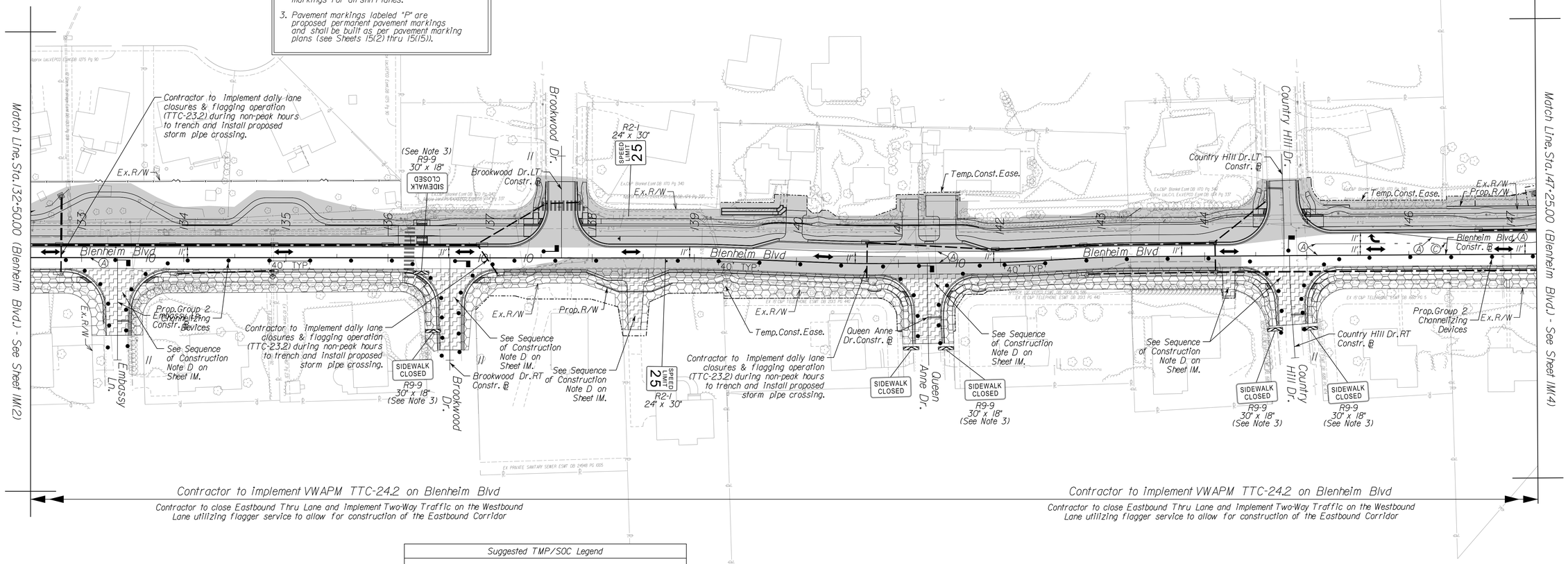
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be ergdicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).



Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IM)
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- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IM(3)

4/22/2025

FINAL PLANS | THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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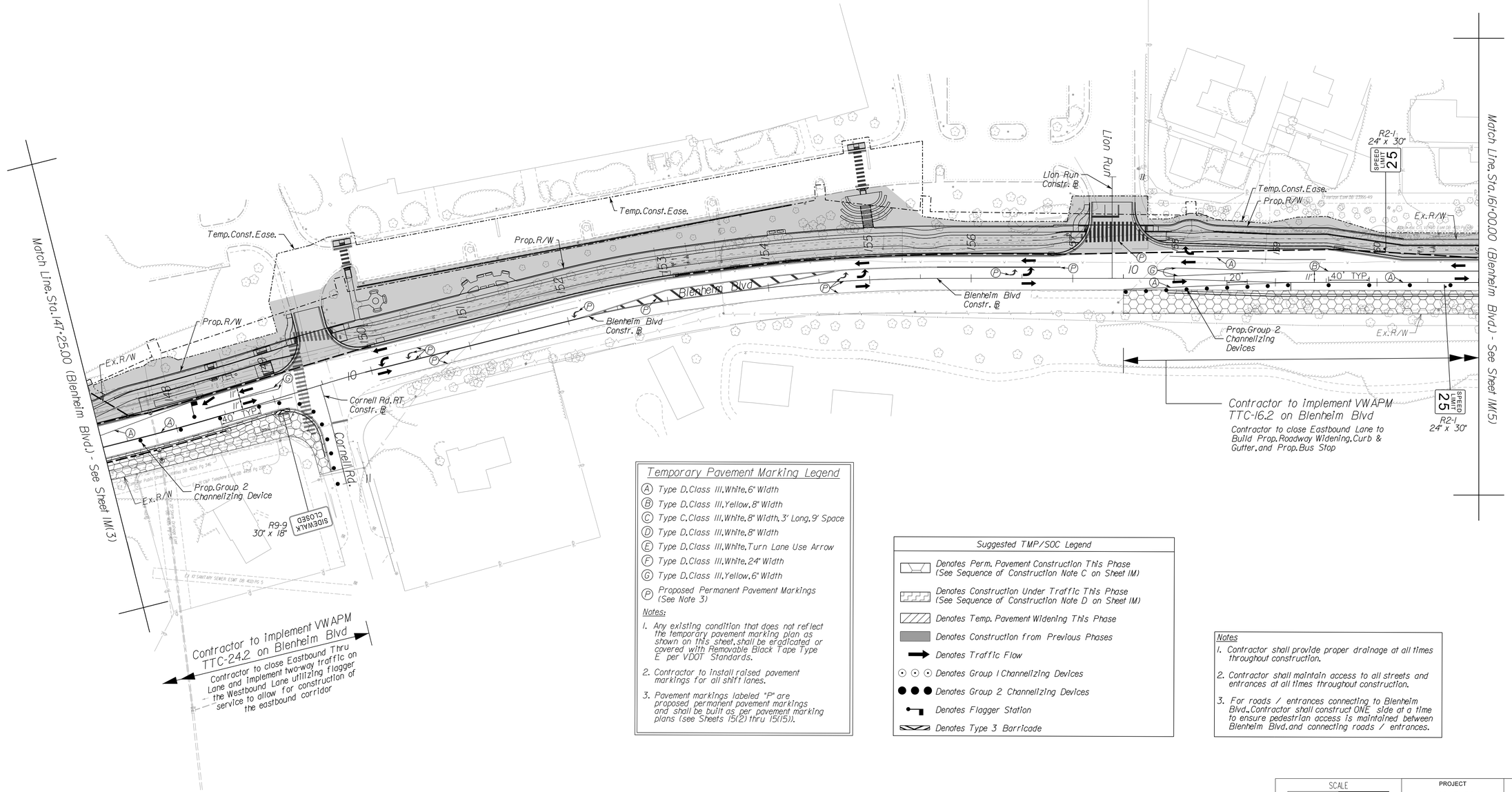
Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(4)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IM)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IM)
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- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE: 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IM(4)

FINAL PLANS

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4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

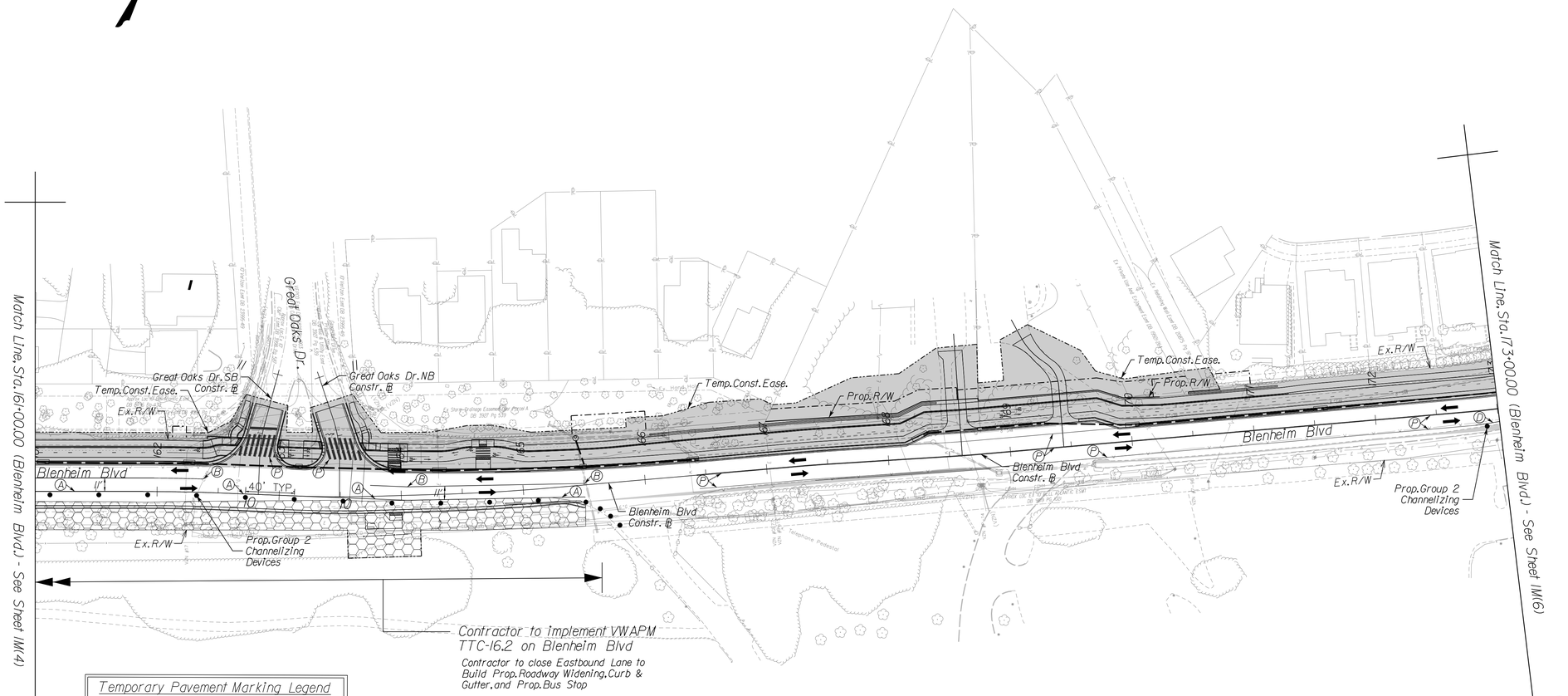
Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D,Class III,White,6" Width
- (B) Type D,Class III,Yellow,8" Width
- (C) Type C,Class III,White,8" Width, 3' Long, 9' Space
- (D) Type D,Class III,White,8" Width
- (E) Type D,Class III,White,Turn Lane Use Arrow
- (F) Type D,Class III,White,24" Width
- (G) Type D,Class III,Yellow,6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet,shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IM)
- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IM)
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- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd.,Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd.and connecting roads / entrances.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IM(5)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

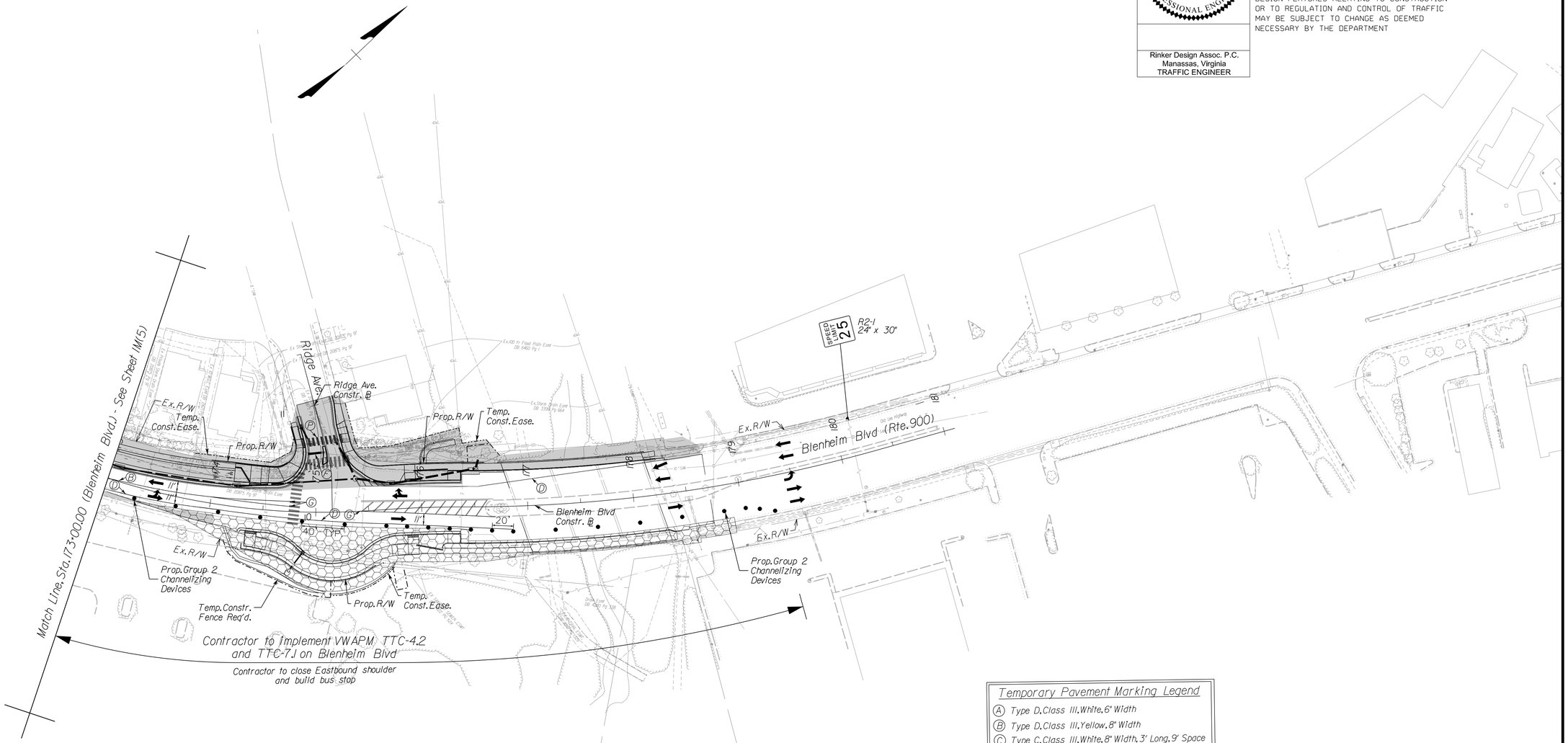
Temporary Traffic Control Plan Phase 3

COMMONWEALTH OF VIRGINIA
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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(6)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Suggested TMP/SOC Legend

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- Denotes Construction Under Traffic This Phase (See Sequence of Construction Note D on Sheet IM)
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.
3. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(5)).

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IM(6)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 3

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(7)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"x18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IM(7)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 3

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(8)

COMMONWEALTH OF VIRGINIA
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Lic. No. 038323
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Match Line, Sta. 105+25.00 (Blenheim Blvd.) - See Sheet IM(7)

Match Line, Sta. 118+00.00 (Blenheim Blvd.) - See Sheet IM(9)

Van Dyck Park Entr.

Sherwood Community Center Entr.

Saint Leo the Great Catholic Church

Saint Leo the Great Catholic School

Daniels Run Elementary School

Blenheim Blvd

Prop. R/W

Exist. R/W

Temp. Const. Ease.

Entr. at Daniels Run E.S. Constr. @

See Note 2

SIDEWALK CLOSED

DETOUR

AHEAD

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IM(8)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 3

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER

Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(9)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"x18")
SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VMMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

Match Line, Sta. 118+00.00 (Blenheim Blvd.) - See Sheet IM(8)

Match Line, Sta. 132+50.00 (Blenheim Blvd.) - See Sheet IM(10)

Spring Lake Ter.

Old Post Rd.

Blenheim Blvd

Colony Rd.

Heritage Ln.

Parklane Rd.

Exist.R/W

Prop.R/W

Temp.Const.Ease.

See Note 2

SIDEWALK CLOSED

Old Post Rd. L.T. Constr. @

Blenheim Blvd. Const. @

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IM(9)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 3

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TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(10)

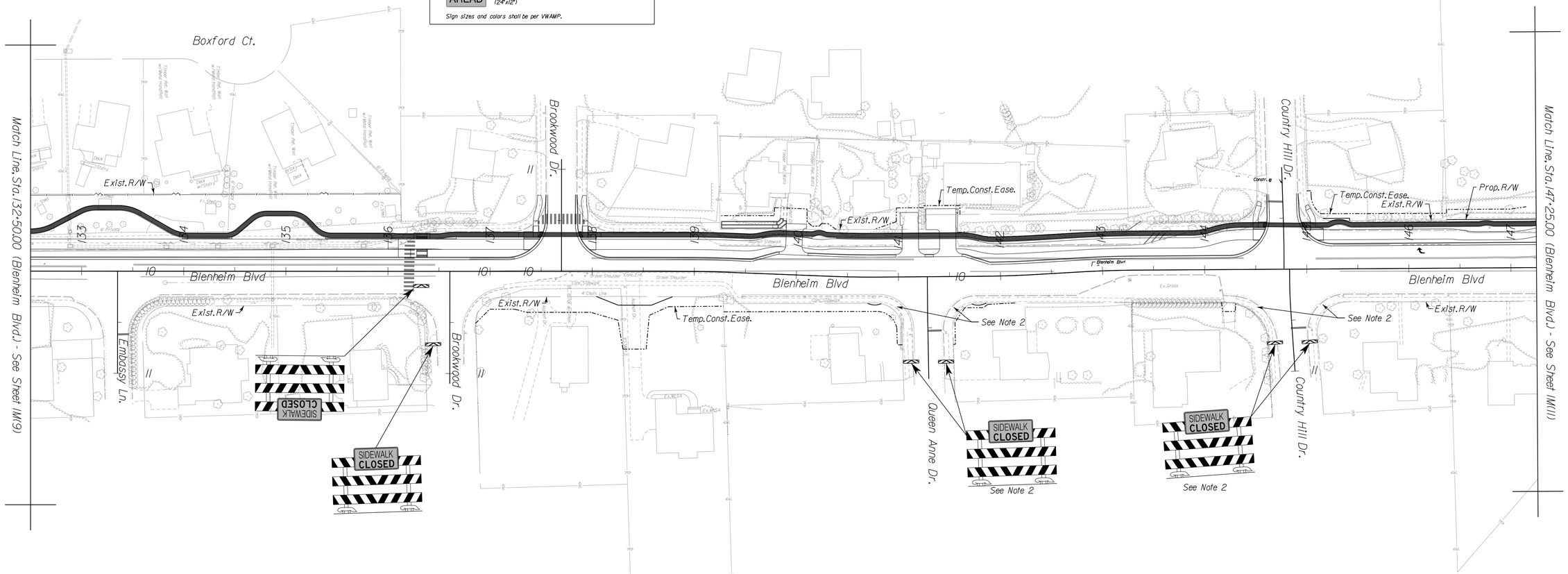
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"X18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VMMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement, NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



SCALE 0 50' 100' | PROJECT U000-151-R94 | SHEET NO. IM(10)

4/22/2025

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Pedestrian Detour Phase 3

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(II)

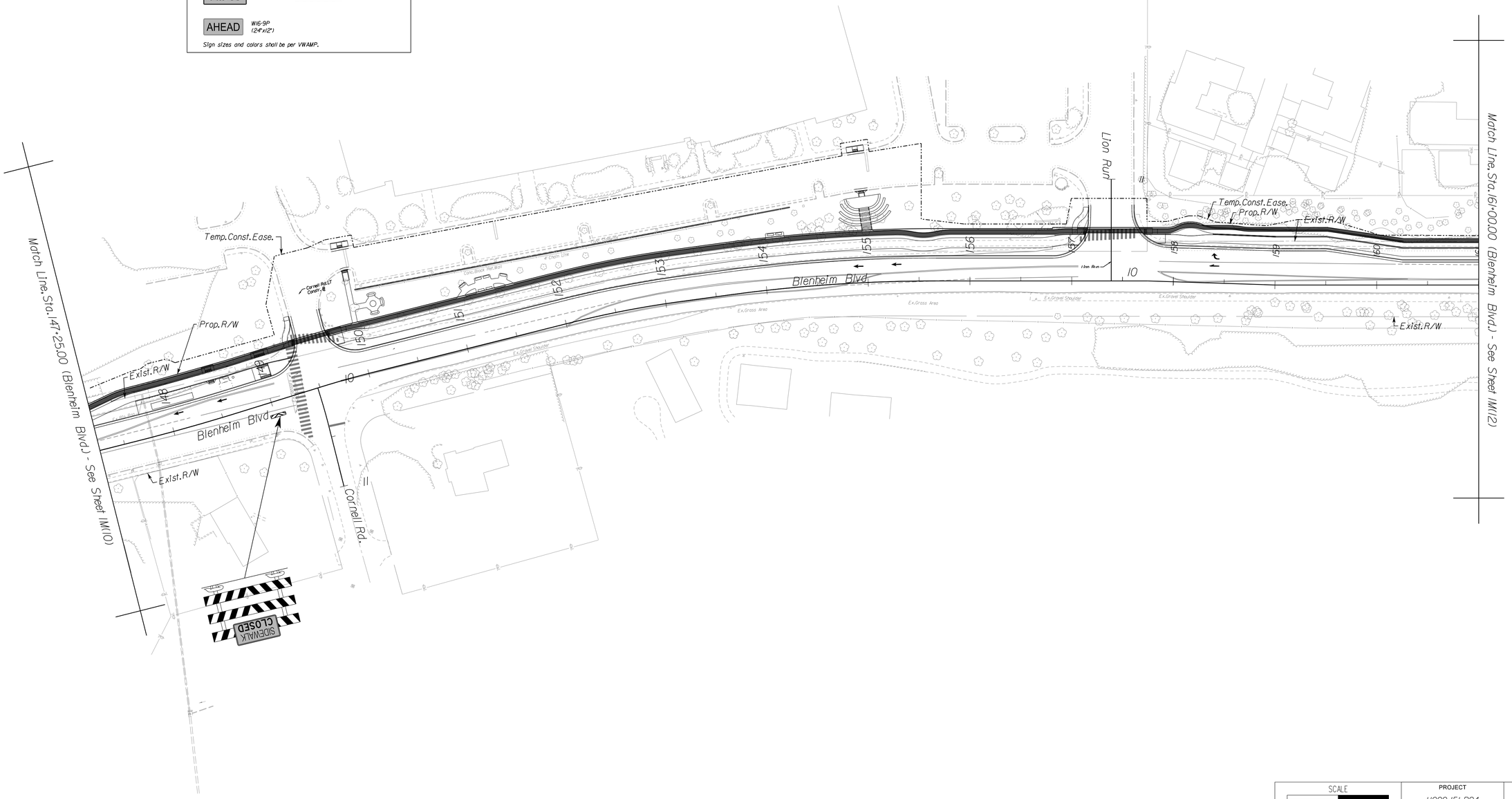
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"x18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement. NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IM(II)

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

4/22/2025

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
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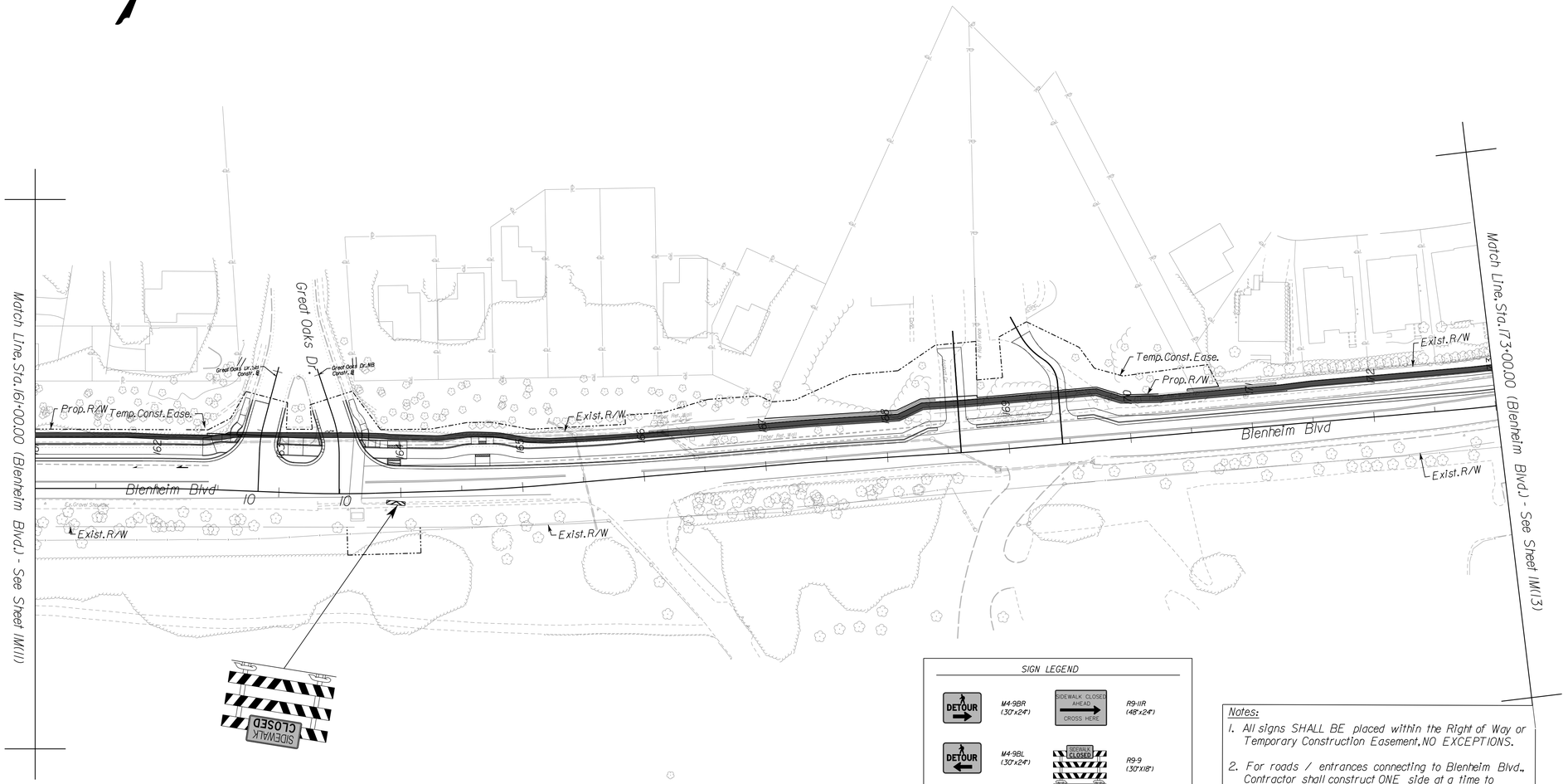
Pedestrian Detour Phase 3

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(12)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"x18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VWAMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement. NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IM(12)

4/22/2025

FINAL PLANS

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SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Pedestrian Detour Phase 3

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IM(13)

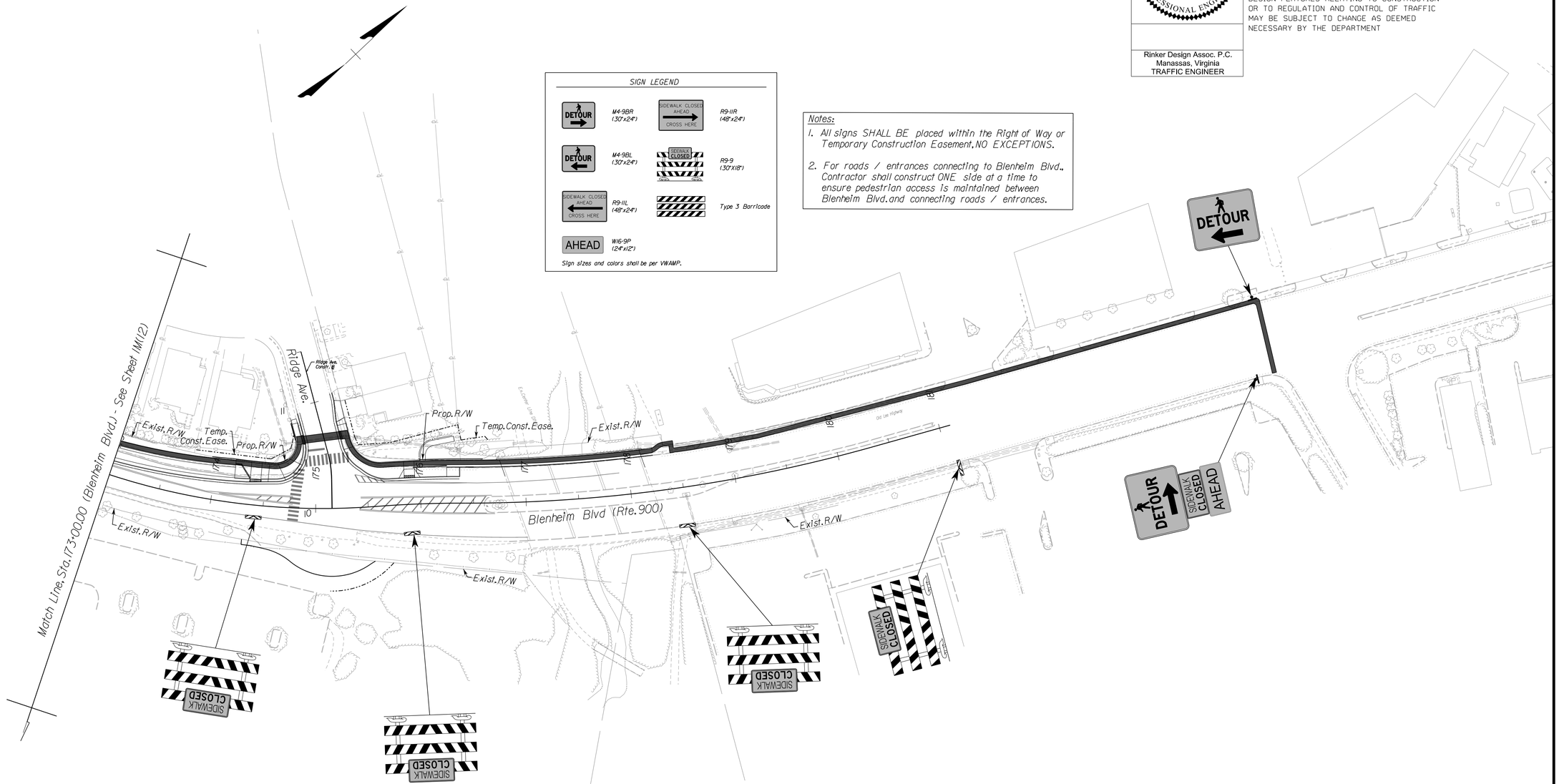
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SIGN LEGEND

DETOUR	M4-9BR (30"x24")	SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11R (48"x24")
DETOUR	M4-9BL (30"x24")	SIDEWALK CLOSED	R9-9 (30"x18")
SIDEWALK CLOSED AHEAD / CROSS HERE	R9-11L (48"x24")		Type 3 Barricade
AHEAD	W16-9P (24"x12")		

Sign sizes and colors shall be per VMMP.

Notes:
1. All signs SHALL BE placed within the Right of Way or Temporary Construction Easement. NO EXCEPTIONS.
2. For roads / entrances connecting to Blenheim Blvd., Contractor shall construct ONE side at a time to ensure pedestrian access is maintained between Blenheim Blvd. and connecting roads / entrances.



SCALE 0 50' 100' | PROJECT U000-151-R94 | SHEET NO. IM(13)

FINAL PLANS

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

Temporary Traffic Control Plan Phase 4

COMMONWEALTH OF VIRGINIA
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Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Phase 4 Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 4 is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 4, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 4 and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-21.1, TTC-23.2, TTC-33.2, and TTC-40.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. Contractor shall implement TTC-40.2 on Layton Hall Drive and shift EB lanes of traffic to allow for construction of the Bus Stop and Curb Ramp, as shown on plans. Contractor shall close the sidewalk as shown on plans and reroute the pedestrian traffic on the north side of Layton Hall Drive sidewalk.

E. Contractor shall implement TTC-21.1 on Blenheim Blvd. and utilize group I channelizing devices to close the Westbound thru lane and allow for construction of the median at Sta. 103+50, as shown on plans.

F. Contractor shall implement TTC-21.1 on Blenheim Blvd. and utilize group I channelizing devices to close the center lane and allow for construction of the median at Sta. 107+50, as shown on plans.

G. Contractor shall implement TTC-23.2 on Blenheim Blvd. and utilize group I channelizing devices and run alternating one way traffic under flagger operations on the Eastbound lane to allow for construction of the medians at Sta. 124+00 and Sta. 164+00, as shown on plans.

H. Contractor shall implement TTC-33.2 on Blenheim Blvd. and utilize group 2 channelizing devices and run alternating one way traffic under flagger operations in the Eastbound lane to allow for construction of the Center Island of the roundabout at Ridge Ave., as shown on plans.

I. Prior to beginning construction for Phase 4, Contractor shall perform milling / overlaying on Blenheim Road and connecting roads / entrances from Sta. 101+30 to Sta. 150+00 and Sta. 157+50 to Sta. 166+50 and install permanent pavement markings from Sta. 101+30 to Sta. 102+65, Sta. 105+00 to Sta. 150+00 and Sta. 157+50 to Sta. 163+50 as shown in TMP/SOC Phase 4 plans. See Sheets 15(2) thru 15(15) for Pavement Marking Plans.



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN)
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IN

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

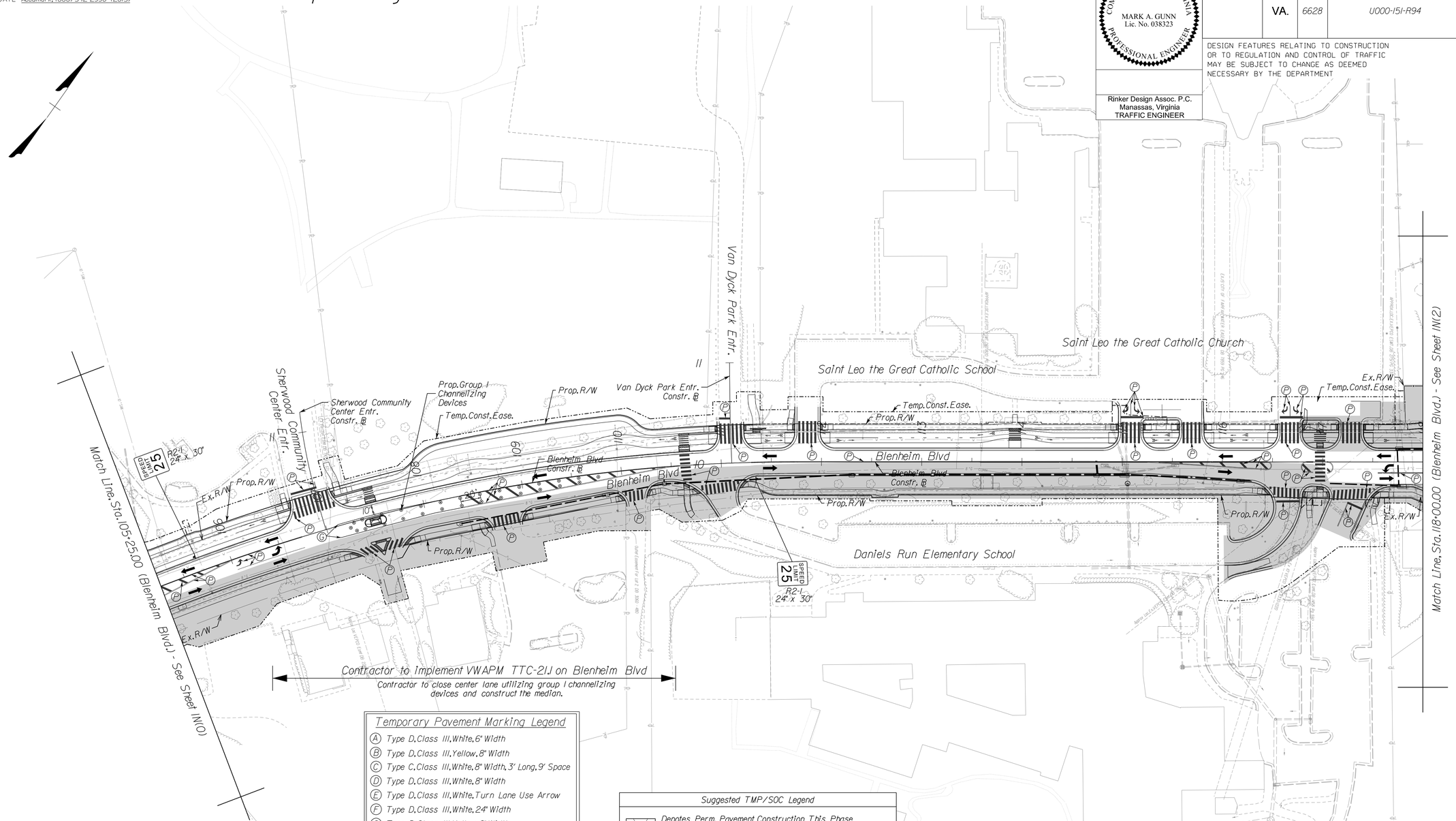
Temporary Traffic Control Plan Phase 4

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be erradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN)
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IN(1)

4/22/2025

FINAL PLANS

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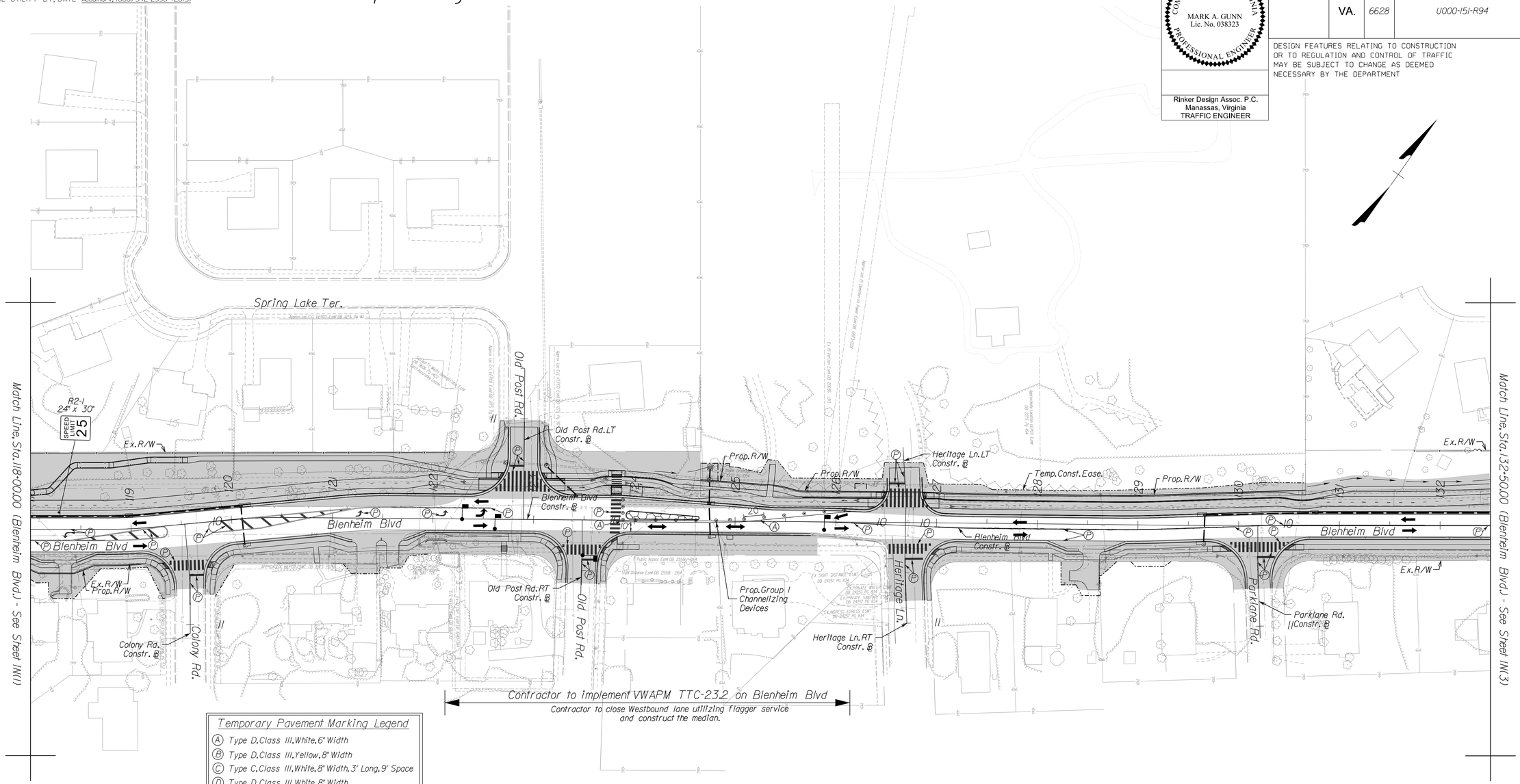
Temporary Traffic Control Plan Phase 4

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D,Class III,White,6" Width
- (B) Type D,Class III,Yellow,8" Width
- (C) Type C,Class III,White,8" Width,3' Long,9' Space
- (D) Type D,Class III,White,8" Width
- (E) Type D,Class III,White,Turn Lane Use Arrow
- (F) Type D,Class III,White,24" Width
- (G) Type D,Class III,Yellow,6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet,shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN)
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IN(2)

4/22/2025

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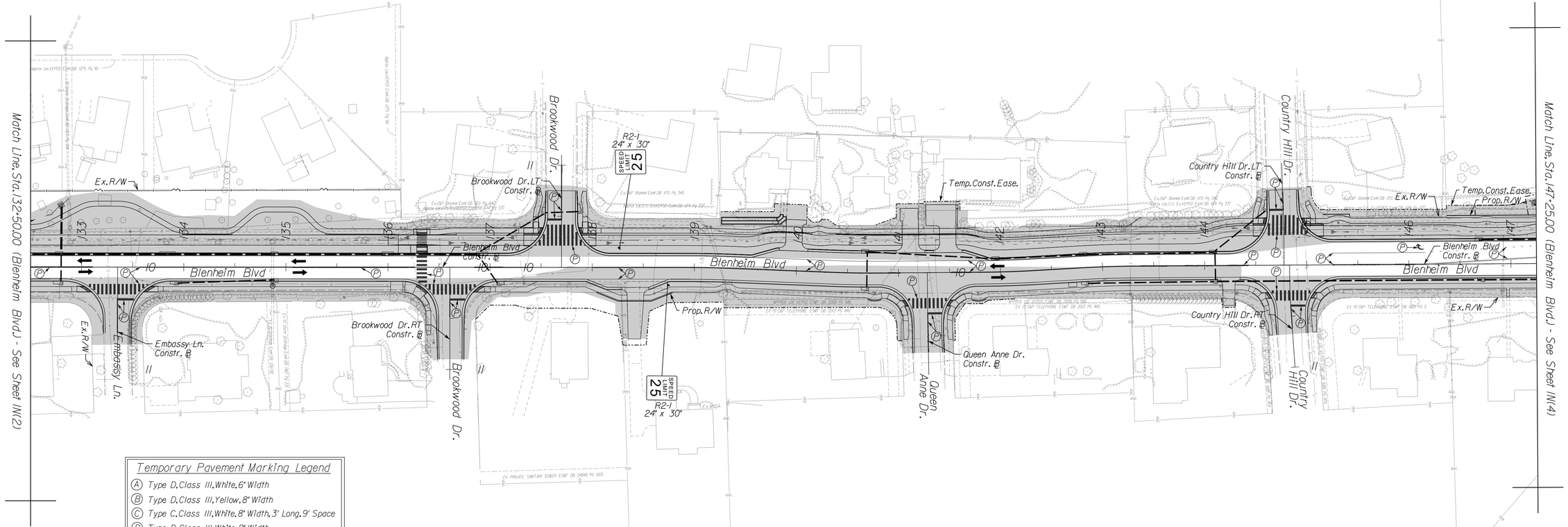
Temporary Traffic Control Plan Phase 4

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



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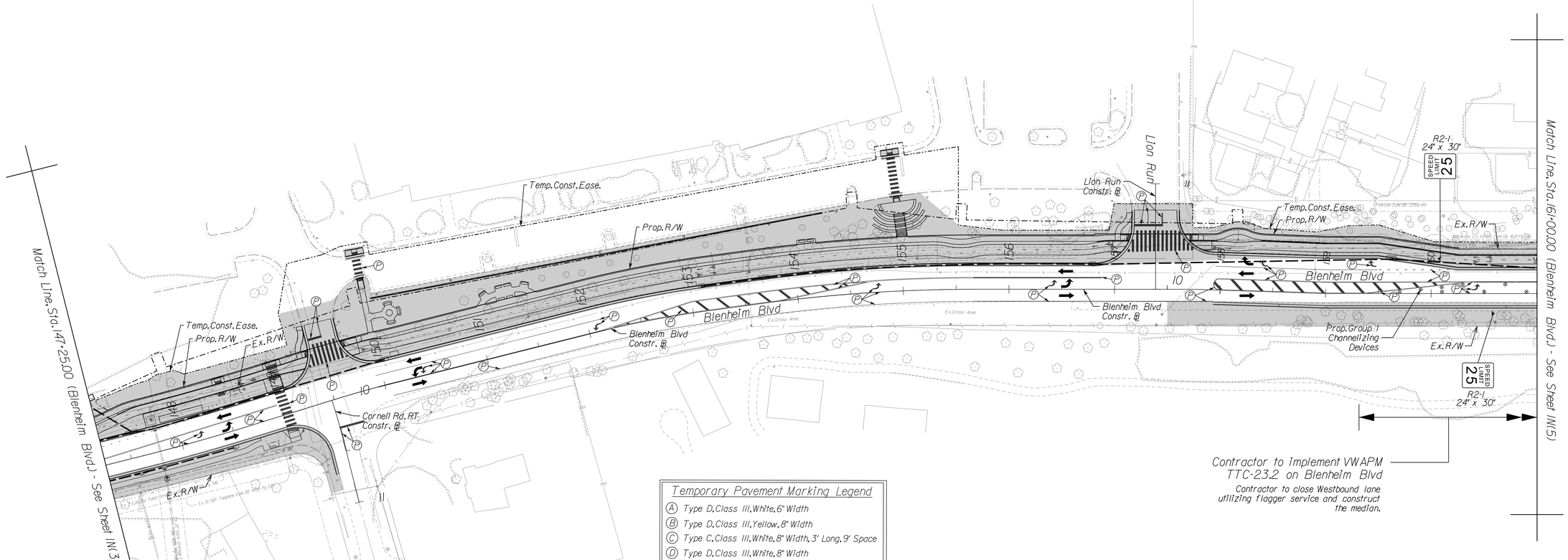
Temporary Traffic Control Plan Phase 4

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(4)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Contractor to implement VWAPM TTC-23.2 on Blenheim Blvd
Contractor to close Westbound lane utilizing flagger service and construct the median.

Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets I5(2) thru I5(5)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN)
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IN(4)

4/22/2025

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DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

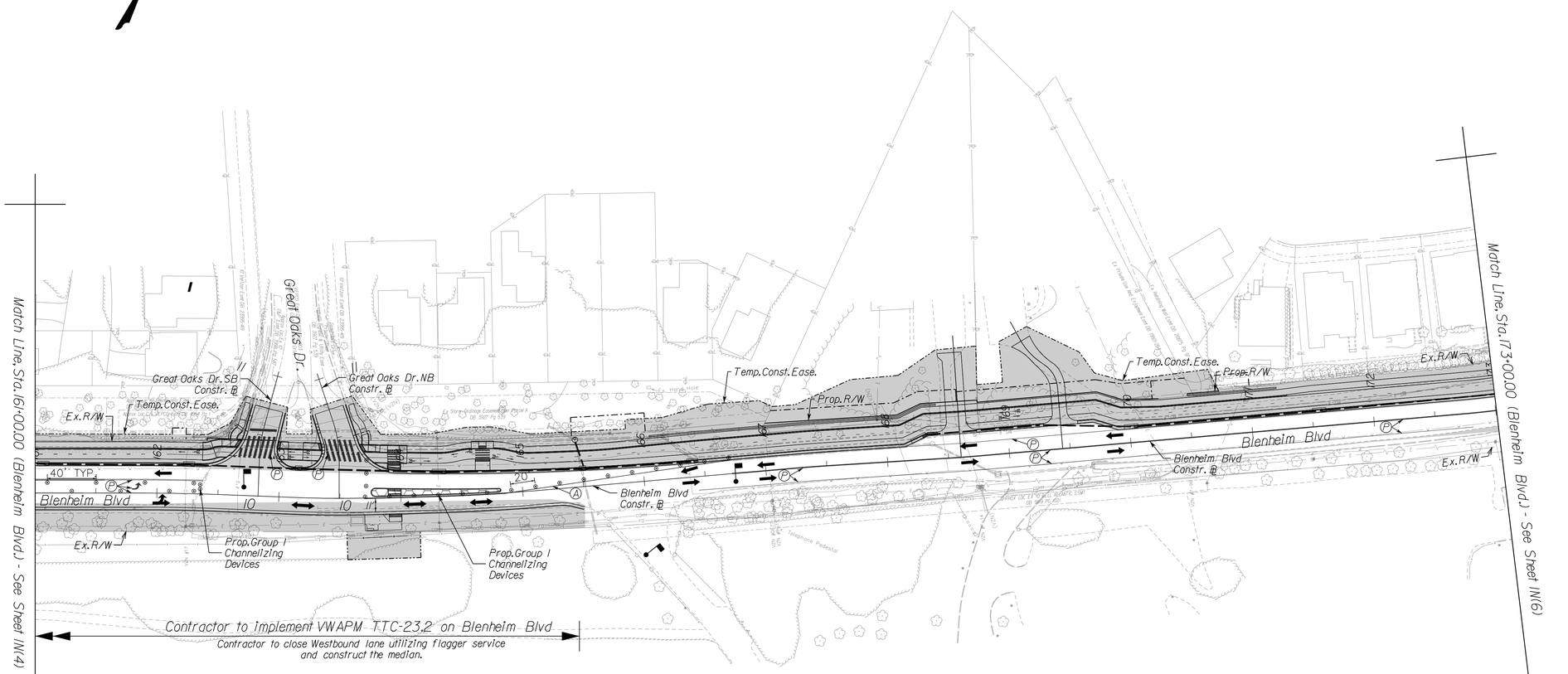
Temporary Traffic Control Plan Phase 4

MARK A. GUNN
Lic. No. 038323
COMMONWEALTH OF VIRGINIA
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Rinker Design Assoc. P.C.
Manassas, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(5)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN)
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IN(5)

4/22/2025

FINAL PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR CONSTRUCTION.

PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

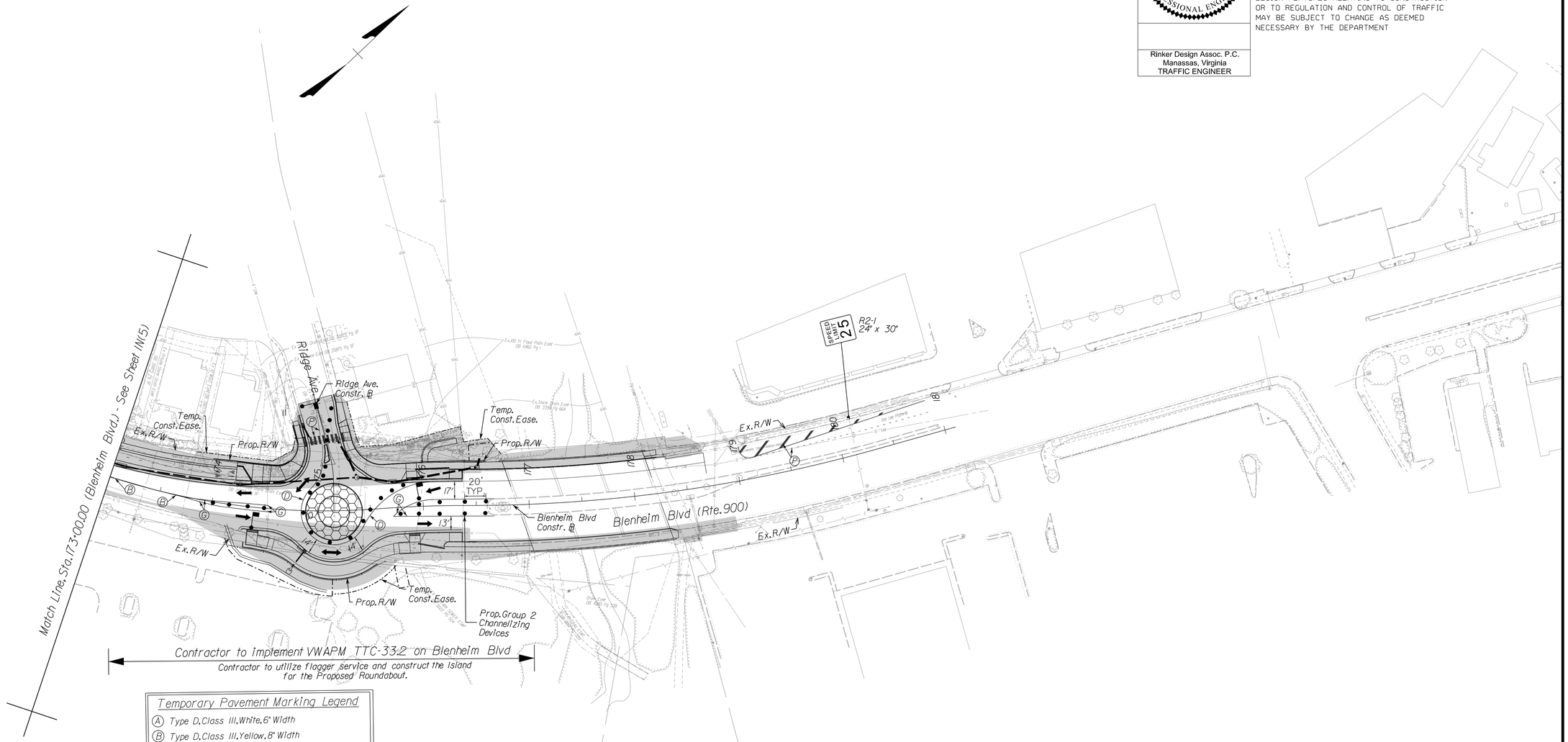
Temporary Traffic Control Plan Phase 4

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(6)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be erdicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 15(2) thru 15(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN)
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group I Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

SCALE 0 50' 100'

PROJECT	SHEET NO.
U000-151-R94	IN(6)

4/22/2025

FINAL PLANS

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PROJECT MANAGER Wendy Block Sanford, (703) 385-7889
SURVEYED BY, DATE Nick Kougalis, L.S., (703) 368-7373 (2020)
DESIGN BY Mark A. Gunn, P.E., (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark, (800) 542-2990 (2015)

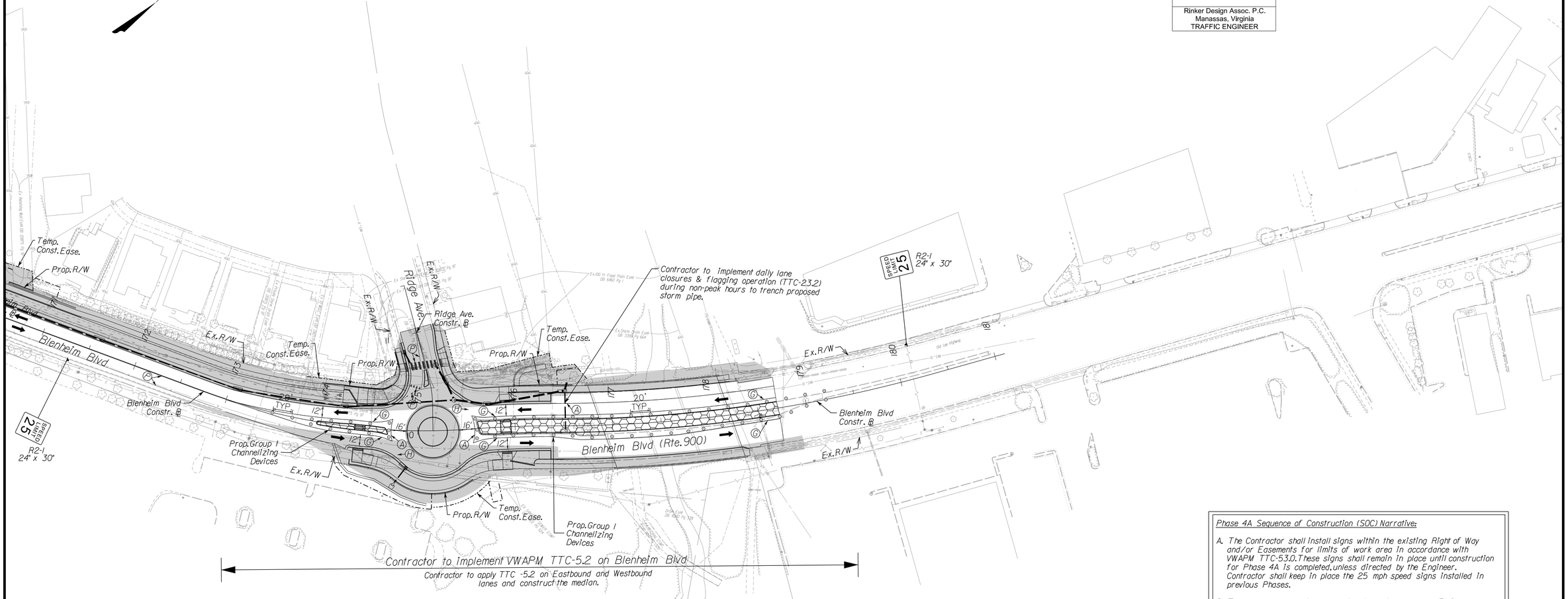
Temporary Traffic Control Plan Phase 4A

COMMONWEALTH OF VIRGINIA
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Manassas, Virginia
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	6628	U000-151-R94	IN(7)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



Temporary Pavement Marking Legend

- (A) Type D, Class III, White, 6" Width
- (B) Type D, Class III, Yellow, 8" Width
- (C) Type C, Class III, White, 8" Width, 3' Long, 9' Space
- (D) Type D, Class III, White, 8" Width
- (E) Type D, Class III, White, Turn Lane Use Arrow
- (F) Type D, Class III, White, 24" Width
- (G) Type D, Class III, Yellow, 6" Width
- (H) Type C, Class III, White, 8" Width, 2' Long, 6' Space
- (P) Proposed Permanent Pavement Markings (See Note 3)

Notes:

1. Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated or covered with Removable Black Tape Type E per VDOT Standards.
2. Contractor to install raised pavement markings for all shift lanes.
3. Pavement markings labeled "P" are proposed permanent pavement markings and shall be built as per pavement marking plans (see Sheets 151(2) thru 151(15)).

Suggested TMP/SOC Legend

- Denotes Perm. Pavement Construction This Phase (See Sequence of Construction Note C on Sheet IN(7))
- Denotes Construction Under Traffic This Phase
- Denotes Temp. Pavement Widening This Phase
- Denotes Construction from Previous Phases
- Denotes Traffic Flow
- Denotes Group 1 Channelizing Devices
- Denotes Group 2 Channelizing Devices
- Denotes Flagger Station
- Denotes Type 3 Barricade

Notes

1. Contractor shall provide proper drainage at all times throughout construction.
2. Contractor shall maintain access to all streets and entrances at all times throughout construction.

Phase 4A Sequence of Construction (SOC) Narrative:

A. The Contractor shall install signs within the existing Right of Way and/or Easements for limits of work area in accordance with VWAPM TTC-53.0. These signs shall remain in place until construction for Phase 4A is completed, unless directed by the Engineer. Contractor shall keep in place the 25 mph speed signs installed in previous Phases.

B. The contractor shall install erosion & sediment control (E&S) measures as needed to complete work on Phase 4A, within the existing Right of Way and/or Easements.

C. The Contractor shall construct all areas designated for construction in TMP/SOC Phase 4A and install all traffic control measures and devices, including signs, and channelizing devices, per VWAPM TTC-5.2 and TTC-23.2, including sign spacing, channelizing device spacing, and tapers. Sign sizes and colors shall be per VWAPM.

D. Contractor shall implement TTC-5.2 on Blenheim Blvd. and utilize group I channelizing devices to close the center of the lane as necessary to allow for construction of the median, as shown on plans.

E. Contractor shall implement TTC-23.2 on Blenheim Blvd. and apply daily lane closures with flagger operations during non-peak hours to trench and install storm pipe crossing at Sta. 176+50, as shown on plans.

F. At the end of Phase 4A construction, Contractor shall ensure ALL milling and overlaying is performed and ALL permanent proposed pavement markings are installed throughout the project. See Sheets 151(2) thru 151(15) for Pavement Marking Plans.

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-R94	IN(7)

FINAL PLANS

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4/22/2025