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FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OpenRoads/GEOPAK).
OpenRoads/GEOPAK Computer Identification No. 109314

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

COUNTY OF ISLE OF WIGHT
NIKE PARK ROAD EXTENSION
FROM: 0.0520 MILES NORTH OF ROUTE 665
TO: 0.0018 MILES WEST OF ROUTE 17

STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
FHWA 534 DATA 45001	VA.	STP-5A03( ) STP-5B03( ) (SEE TABULATION BELOW FOR SECTION NUMBERS)	669	(NFO) 0669-046-682 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION & TRAFFIC DATA			
RTE. 17		NIKE PARK (ROUTE 669)	
URBAN PRINCIPAL ARTERIAL (GS-5) - LEVEL		URBAN COLLECTOR (GS-7) - LEVEL	
60 MPH MIN. DESIGN SPEED		45 MPH MIN. DESIGN SPEED	
ADT (2023) 55,000	ADT (2046) 72,000	ADT (2023)	———
REYNOLDS DRIVE (RT. 665)		ADT (2046)	10,800
RURAL COLLECTOR (GS-3) - LEVEL		DHV	400
55 MPH MIN. DESIGN SPEED		D (%) (design hour)	70/30
ADT (2023) 5200	ADT (2046) 3,100	T (%) (design hour)	2%
V (MPH)		* See Below	

* See plan & profile sheets for horizontal and vertical design speeds.

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

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.

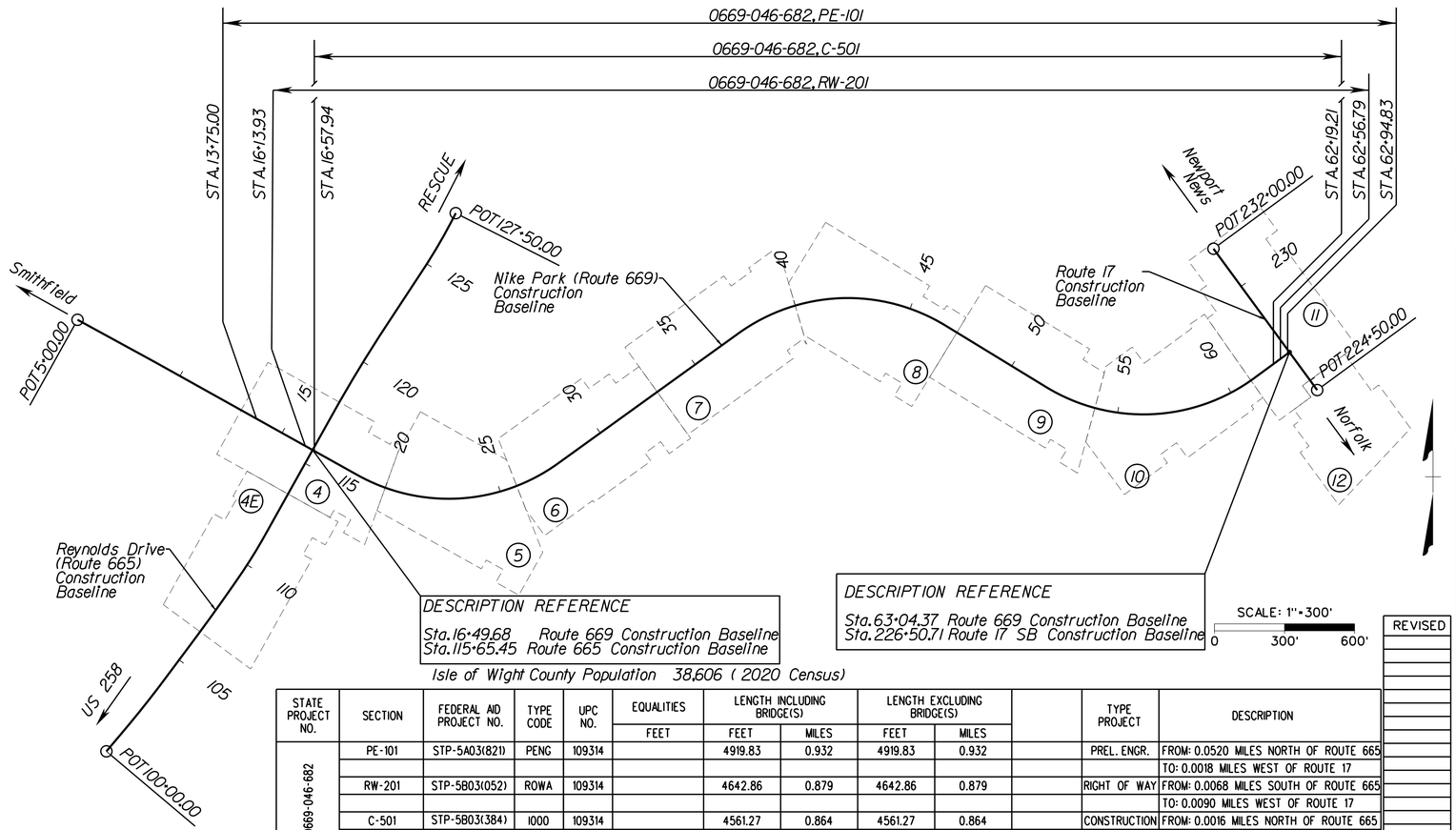
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD (REV 1-3), 2011 VIRGINIA SUPPLEMENT TO THE MUTCD (REV 1), 2011 VIRGINIA WORK AREA PROTECTION MANUAL (REV 2.1) AND AS AMENDED BY CONTRACT PROVISIONS 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 APPLIES TO RT. 665.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

PROJECT MANAGER Wali Zaman, P.E. (757) 925-1605 (H.R. District)
SURVEYED BY, DATE Rice Associates. (757) 306-4260 (1/1/17)
DESIGN BY Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE Rice Associates. (757) 306-4260. (1/1/17)



Isle of Wight County Population 38,606 (2020 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES FEET	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	DESCRIPTION
0669-046-682	PE-101	STP-5A03(821)	PENG	109314		4919.83	0.932	4919.83	0.932	PREL. ENGR.	FROM: 0.0520 MILES NORTH OF ROUTE 665
											TO: 0.0018 MILES WEST OF ROUTE 17
	RW-201	STP-5B03(052)	ROWA	109314		4642.86	0.879	4642.86	0.879	RIGHT OF WAY	FROM: 0.0068 MILES SOUTH OF ROUTE 665
											TO: 0.0090 MILES WEST OF ROUTE 17
	C-501	STP-5B03(384)	1000	109314		4561.27	0.864	4561.27	0.864	CONSTRUCTION	FROM: 0.0016 MILES NORTH OF ROUTE 665
											TO: 0.0161 MILES WEST OF ROUTE 17

Project Lengths are based on Route 669 Construction Baseline.

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION
TOTAL TAKE FOR PARCELS: 008

Kim Pryor — INFRASTRUCTURE INVESTMENT DIRECTOR — 7/19/2022
Emmett Heltzel — STATE LOCATION AND DESIGN ENGINEER — 7/20/2022
Laura A. Farmer — CHIEF FINANCIAL OFFICER — 7/22/2022
Barton Thrasher — CHIEF ENGINEER — 7/22/2022

APPROVED FOR RIGHT OF WAY ACQUISITION
Angel Deem — CHIEF OF POLICY — 7/23/2022

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION
Kim Pryor — INFRASTRUCTURE INVESTMENT DIRECTOR — 12/14/2022
Emmett Heltzel — STATE LOCATION AND DESIGN ENGINEER — 12/14/2022
Laura A. Farmer — CHIEF FINANCIAL OFFICER — 12/15/2022
Barton Thrasher — CHIEF ENGINEER — 12/15/2022

APPROVED FOR RIGHT OF WAY ACQUISITION
Angel Deem — CHIEF OF POLICY — 12/15/2022

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION
Kim Pryor — INFRASTRUCTURE INVESTMENT DIRECTOR — 12/7/2023
Emmett Heltzel — STATE LOCATION AND DESIGN ENGINEER — 12/13/2023
Laura A. Farmer — CHIEF FINANCIAL OFFICER — 12/13/2023
STATE STRUCTURE AND BRIDGE ENGINEER

APPROVED FOR CONSTRUCTION
Bart Thrasher — CHIEF ENGINEER — 12/14/2023

APPROVED
DIVISION ADMINISTRATOR
FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION

REVISED

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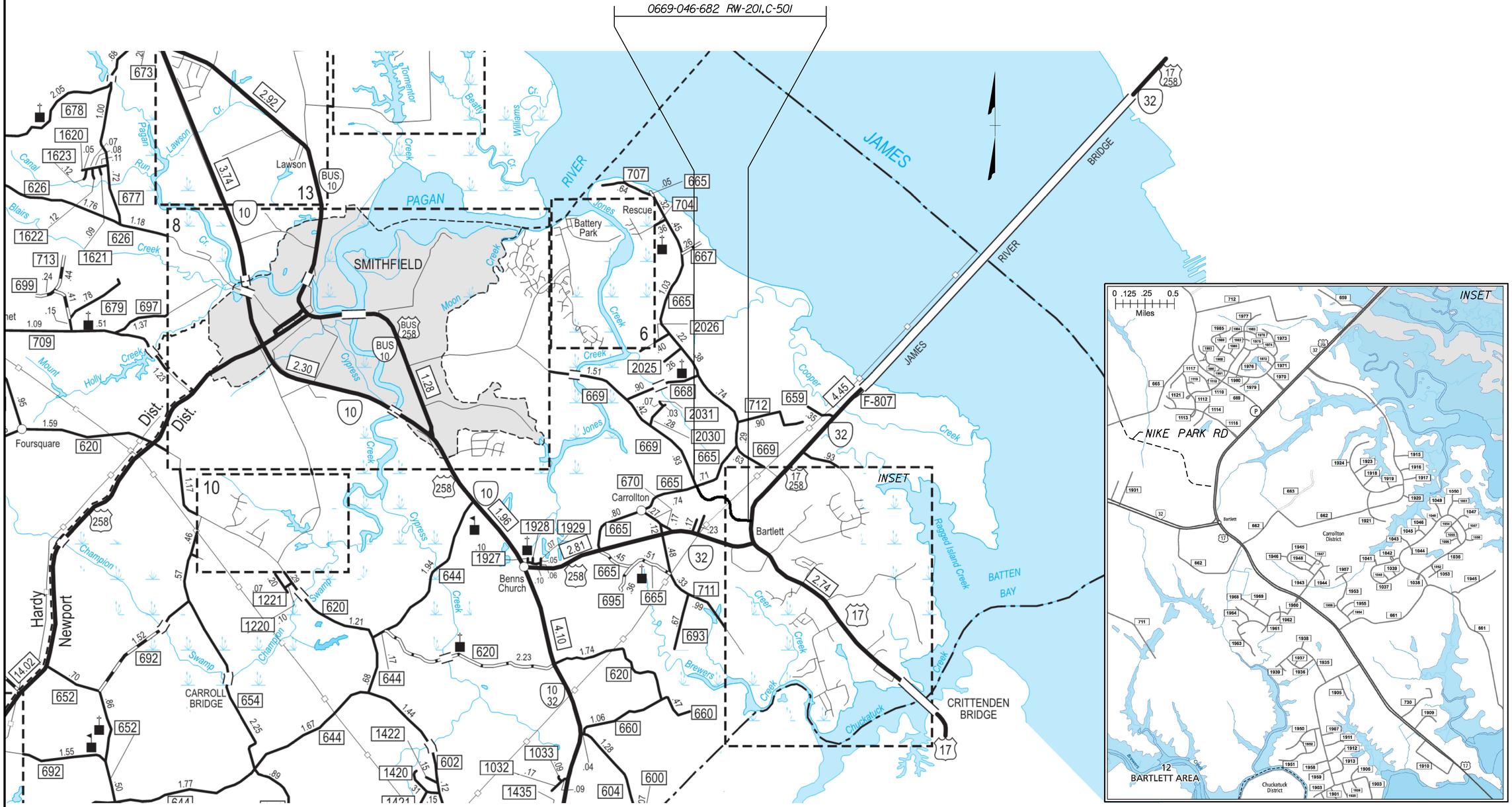
PROJECT 0669-046-682 | SHEET NO. 1

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682 RW-201,C-501	1A

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

LOCATION MAP



N.T.S.	PROJECT 0669-046-682	SHEET NO. 1A

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	STATIONS	SHEET NO.	DESCRIPTION	STATIONS
1	Title Sheet		8	Plan Sheet	Route 669: 40+00.00 to 47+25.00
1A	Location Map		8A	Profile Sheet	Route 669: 40+00.00 to 47+25.00
1B	Index of Sheets		8B	Erosion & Sediment Control - Phase I	Route 669: 40+00.00 to 47+25.00
1C	Right of Way Data Sheet		8C	Erosion & Sediment Control - Phase II	Route 669: 40+00.00 to 47+25.00
1D	Revision Data Sheet		8RW	Right of Way Plan Sheet	Route 669: 40+00.00 to 47+25.00
1E(1)-1E(2)	Survey Alignment Data Sheet		9	Plan Sheet	Route 669: 47+25.00 to 54+00.00
1F(1) - 1F(4)	Construction Alignment Data Sheets		9A	Profile Sheet	Route 669: 47+25.00 to 54+00.00
			9B	Erosion & Sediment Control - Phase I	Route 669: 47+25.00 to 54+00.00
1G(1)	Transportation Management Plan		9C	Erosion & Sediment Control - Phase II	Route 669: 47+25.00 to 54+00.00
1G(2)	Sequence of Construction Narrative		9RW	Right of Way Plan Sheet	Route 669: 47+25.00 to 54+00.00
1H(1) - 1H(4)	Phase 1 Steps 1-4: Sign & Pavement Marking Plan		10	Plan Sheet	Route 669: 54+00.00 to 61+00.00
1i	Phase 1 Step 1: Sequence of Construction		10A	Profile Sheet	Route 669: 54+00.00 to 61+00.00
1J(1)-1J(2)	Phase 1 Step 2: Sequence of Construction		10B(1)-10B(2)	Erosion & Sediment Control - Phase I	Route 669: 54+00.00 to 61+00.00
1K(1)-1K(3)	Phase 1 Step 3: Sequence of Construction		10C	Erosion & Sediment Control - Phase II	Route 669: 54+00.00 to 61+00.00
1L(1)-1L(2)	Phase 1 Step 4: Sequence of Construction		10RW	Right of Way Plan Sheet	Route 669: 54+00.00 to 61+00.00
1M	Phase 2 Step 1: Sequence of Construction		11	Plan Sheet	Route 669: 61+00.00 to 63+04.37 Route 17 NB: 124+50.00 to 131+75.00
1N(1)	Phase 2 Step 1-3: Project Limits Signage		11A	Profile Sheet	Route 669: 61+00.00 to 63+04.37
1N(2)-1N(5)	Phase 2 Step 1: Sign and Pavement Marking Plan		11B	Profile Sheet	Route 17 SB: 225+50.00 to 231+25.00
1o	Not used		11C	Erosion & Sediment Control - Phase I	Route 669: 61+00.00 to 63+04.37 Route 17 NB: 124+50.00 to 131+75.00
1P	Phase 2 Step 2: Sequence of Construction		11D	Erosion & Sediment Control - Phase II	Route 669: 61+00.00 to 63+04.37 Route 17 NB: 124+50.00 to 131+75.00
1Q(1)-1Q(4)	Phase 2 Step 2: Sign and Pavement Marking Plan		11E	Profile Sheet	Route 17 NB: 124+50.00 to 131+75.00
1R	Phase 2 Step 3: Sequence of Construction		11RW	Right of Way Plan Sheet	Route 669: 61+00.00 to 63+04.37 Route 17 NB: 124+50.00 to 131+75.00
1S(1)-1S(2)	Phase 2 Step 3: Sign and Pavement Marking Plan		12	Plan Sheet	Route 17 NB: 121+50.00 to 124+50.00
1T	Phase 3: Sequence of Construction		12A	Profile Sheet	Route 17 NB: 118+00.00 to 124+50.00
1U(1)-1U(4)	Phase 3: Sign and Pavement Marking Plan		12B	Erosion & Sediment Control - Phase I	Route 17 NB: 121+50.00 to 124+50.00
2	General Notes		12C	Erosion & Sediment Control - Phase II	Route 17 NB: 121+50.00 to 124+50.00
2(A)1-2(A)4	SWPPP		12D	Entrance Profiles	
2B - 2E(2)	Typical Sections		12RW	Right of Way Plan Sheet	Route 17 NB: 121+50.00 to 124+50.00
2F(1)-2F(3)	Drainage Details				
2G	Drainage and E&S Summary		13(1) - 13(3A)	Traffic Signal Plans	
2H	Incidental & MOT Summary				
2i	Pavement Summary		14(1) - 14(12)	Signing and Pavement Marking Plans	
2J	Roadside Development				
2K	Radial Offset Sheet		15(1) - 15(2)	Drainage Descriptions and Ditch Typicals	
2L(1) - 2L(2)	Grading Diagram & Summary				
			16(1) - 16(2)	Storm Sewer Profiles	
4	Plan Sheet	Route 669: 13+00.00 to 20+00.00 Route 665: 113+50.00 to 118+00.00			
4A	Profile Sheet	Route 669: 13+00.00 to 20+00.00	17(1)-17(16)	In Plan Utility Plans	
4B	Profile Sheet	Route 665: 113+50.00 to 118+00.00	18(1)	Environmental Commitment Summery Sheet	
4C	Erosion & Sediment Control - Phase I	Route 665: 113+50.00 to 118+00.00			
4D	Erosion & Sediment Control - Phase II	Route 665: 113+50.00 to 118+00.00		Total Cross Section Sheets: 55	
4E	Plan Sheet	Route 665: 106+50.00 to 113+50.00		(See Cross Section Sheet No. 1 for Cross Section Index)	
4ERW	Right of Way & Easement Plan Sheet	Route 665: 106+50.00 to 113+50.00			
4F	Profile Sheet	Route 665: 106+50.00 to 113+50.00			
4G	Erosion & Sediment Control - Phase I	Route 665: 106+50.00 to 113+50.00			
4H	Erosion & Sediment Control - Phase II	Route 665: 106+50.00 to 113+50.00			
4RW	Right of Way Plan Sheet	Route 669: 13+00.00 to 20+00.00 Route 665: 113+50.00 to 118+00.00			
5	Plan Sheet	Route 669: 20+00.00 to 25+75.00			
5A	Profile Sheet	Route 669: 20+00.00 to 25+75.00			
5B	Erosion & Sediment Control - Phase I	Route 669: 20+00.00 to 25+75.00			
5C	Erosion & Sediment Control - Phase II	Route 669: 20+00.00 to 25+75.00			
5RW	Right of Way Plan Sheet	Route 669: 20+00.00 to 25+75.00			
6	Plan Sheet	Route 669: 25+75.00 to 33+00.00			
6A	Profile Sheet	Route 669: 25+75.00 to 33+00.00			
6B(1)-6B(2)	Erosion & Sediment Control - Phase I	Route 669: 25+75.00 to 33+00.00			
6C	Erosion & Sediment Control - Phase II	Route 669: 25+75.00 to 33+00.00			
6RW	Right of Way Plan Sheet	Route 669: 25+75.00 to 33+00.00			
7	Plan Sheet	Route 669: 33+00.00 to 40+00.00			
7A	Profile Sheet	Route 669: 33+00.00 to 40+00.00			
7B	Erosion & Sediment Control - Phase I	Route 669: 33+00.00 to 40+00.00			
7C	Erosion & Sediment Control - Phase II	Route 669: 33+00.00 to 40+00.00			
7RW	Right of Way Plan Sheet	Route 669: 33+00.00 to 40+00.00			

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682 RW-201, C-501	1B

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

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
02/03/2023 02/16/2023 05/23/2023	VA.	669	0669-046-682 RW-201	IC

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

PRELIMINARY
RIGHT OF WAY DATA SHEET

Parcel Information					Area: Areas greater than or equal to 1 acre will be shown in acres to 3 decimal places (x.xxx AC). Areas less than 1 acre will be shown in square feet (xx,xxx SF).														
Number	Landowner Name	Sheet Number	Deed Acreage	Remainder	Fee Take Summary			Permanent Easements					Utility Easements				Temporary			Proffers
					Total	Prescriptive	Non-Prescr.	Dr & Sl								VDOT	Construction			Yes/NO
003	Peyton P. Nottingham, III	4E,4	118 AC	118 AC		325 SF		262 SF									176 SF			NO
004	American Timber Associates II	4E,4-8	67.42 AC	64.846 AC	2.574 AC		2.574 AC	2.14 AC								12416 SF	12811 SF			NO
005	Robert P. & Jacqueline B Madrigal	6	5 AC	4.946 AC	2334 SF		2334 SF	3154 SF												NO
006	Wakirk Properties	7 to 11	101.37 AC	99.163 AC	2.207 AC		2.207 AC	1.76 AC								6770 SF	9391 SF			NO
007	Dan M. Turnage	10,11	1.953 AC	1.789 AC	7147 SF		7147 SF	13191 SF								11585 SF	28851 SF			NO
008	Padeway, LLC	10,11	0.53 AC	0.241 AC	12579 SF		12579 SF	2785 SF								2367 SF				NO
009	Mark Cundiff	11	0.3 AC	0.3 AC												3108 SF	211 SF			NO
010	SC CARROLLTON, LLC	11,12	4.3291 AC	4.3291 AC												4427 SF				NO
011	Dan M. Turnage	11	2.93 AC	2.93 AC												4618 SF				NO
012	Peyton P. Nottingham, III	4E	25 AC	25 AC		177 SF		465 SF												NO
	* Prescriptive Areas for Parcels 3 & 12 Are For Internal																			
	Purposes Only. No Prescriptive Areas Are Being Acquired.																			

	PROJECT	SHEET NO.
	0669-046-682	IC

PROJECT MANAGER _Walt Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates. (757) 306-4260, 1/1/17 _ _

REVISION DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682, RW-201 C-501	ID

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

State Project: 0669-046-682 RW-201
Federal Project: STP-5B03(052)
From: 0.0068 MILES SOUTH OF ROUTE 665
To: 0.0090 MILES WEST OF ROUTE 17
UPC Number: 109314

State Project: 0669-046-682 C-501
Federal Project: STP-5B03(384)
From: 0.0016 MILES NORTH OF ROUTE 665
To: 0.0161 MILES WEST OF ROUTE 17
UPC Number: 109314

R1 RIGHT OF WAY REVISION NO.1

PROJ. 0669-046-682 RW-201 02/03/2023

Sheet 1C:
Parcel 003 with Tax Map #33-01-164 assigned Parcel 012.

Parcel 003 deed acreage and remainder changed from 144 to 118 Acres. Dr and Sl changed from 727 SF to 262 SF.

Parcel 012: Added landowner (Peyton P. Nottingham, III), sheet reference (4E), deed acreage of 25 AC, and Dr and Sl of 465 SF.

Parcel 005: Amended property owner from Robert P. & Jacqueline Madrigal to Robert P. & Jacqueline **B** Madrigal

Parcel 006: Added sheet number reference 7 to Parcel 006.

Sheets 4E & 4ERW:
Parcel 003 with Tax Map #33-01-164 changed to Parcel 012.
Parcel 012: Right of way acreage updated to 25 AC per Deed or Gift in instrument #990000007

Sheet 4ERW:
Area table updated for Parcel 003 and Parcel 012 added to table.

Sheet 4RW:
Area table updated for Parcel 003.

Sheets 6 and 6RW:
Parcel 005: Amended property owner from Robert P. & Jacqueline Madrigal to Robert P. & Jacqueline **B** Madrigal

Sheet 6:
Added Parcel 004 property owner information to the left of construction baseline at approximately 33+00.

Sheet 7:
Removed duplicate property owner information related to Parcel 004 right of 40+00.

R2 RIGHT OF WAY REVISION NO.2

PROJ. 0669-046-682 RW-201 02/16/2023

Sheet 1C and 4ERW:
Parcel 003 and 0012: Added prescriptive right of way information to sheets 1C and 4ERW.

R3 RIGHT OF WAY REVISION NO.3

PROJ. 0669-046-682 RW-201 05/19/2023

Sheets 4,6,8, 9 and 10:
Radial curb cuts will be replaced with typical curb cuts; therefore, the curb cut legends have removed references to curb cuts.
Drainage structures 4-1,4-2, 4-3, 6-1, 8-1,9-1,10-2, 10-3, 10-4, 10-6 and 10-7 removed radial curb cut and replaced with typical curb cut.

Sheet 11:
Added drainage structures EX-1 to 11-5, 11-5 to 11-2, 11-2 to 11-3, 11-3 to 11-13.
Drainage structure will outfall into existing Commonwealth of Virginia Drainage Easement.

Sheets 15(1):
Updated drainage descriptions for curb cut for the following drainage structures for curb cut update:
4-1, 4-2, 4-3, 6-1, 8-1,9-1,10-2, 10-3, 10-4, 10-6 and 10-7.

Added drainage structures EX-1 to 11-5, 11-5 to 11-2, 11-2 to 11-3, 11-3 to 11-13.
Drainage structure will outfall into existing Commonwealth of Virginia Drainage Easement.

Revision 3 does not modify proposed right of way or easements.

R4 RIGHT OF WAY REVISION NO.4

PROJ. 0669-046-682 RW-201 05/23/2023

Sheet 11 and 11RW:
Parcel 008 and 009: Adjusted proposed permanent VDOT Utility Easement Variable Width location.

Sheet 1C, 10RW and 11RW:
Parcel 008 and 009: Adjusted area for Permanent Standard VDOT Utility Easement.

Sheet 10RW:
Parcel 008: Adjusted area table for Permanent Standard VDOT Utility Easement.

R5 RIGHT OF WAY REVISION NO.5

PROJ. 0669-046-682 RW-201 10/23/2023

Sheet 11 and 15(1):
Pipe size and inverts adjusted for drainage structures 11-7 to 11-6 and 11-6 to 11-5.

Revision does not affect right of way.

PROJECT	SHEET NO.
0669-046-682	ID

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

SURVEY ALIGNMENT DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682 RW-201, C-501	IE(1)

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

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control

Control Station I.D. : 46-0133 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12051354.714 ft.
North (Y) : 3511163.095 ft.
Elevation: 18.12 ft. Derived Via Level Circuits
Referencing Static Network

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12051354.714 ft.
North (Y) : 3511163.095 ft.
Ortho. Elevation (H) : 18.12 ft.
Zone : North ☒ South ☐ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 56' 59.52150" N (5 Decimal Places)
Longitude : 76° 33' 16.54031" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0134 Is 78° 26' 04"
Control Based On: Station (Name/PID) DRVI A/AI9596
or Project (Monument No.) : _____

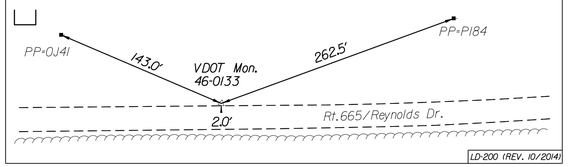
Project Information
Project Number : 0669-046-682
Route : Rt 665 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

- Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
- Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)

VDOT Mon. stamped '46-0133' is set in concrete, slightly below grade. To reach the monument from the intersection of Route 32 (Brewers Neck Blvd.) and Route 665 (Reynolds Dr.) in Isle of Wight, Virginia, proceed approximately 1.25 miles north on route 665 to a small clearing where fields are immediately adjacent to the road on both sides of the road. Monument is located on the north side of the road between the edge of pavement and a drainage ditch located at the edge of the field. Monument is located approximately 0.3 miles west of the intersection of Route 665 and Route 669 (Nike Park Dr.), 276 feet west-southwest of PP P184, 148 feet east of PP OJ41, and 2 feet north of the northern edge of pavement of Route 665. See detail:



LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control

Control Station I.D. : 46-0134 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12052142.880 ft.
North (Y) : 3511324.387 ft.
Elevation : 20.94 ft.
Referencing Static Network

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12052142.880 ft.
North (Y) : 3511324.387 ft.
Ortho. Elevation (H) : 20.94 ft.
Zone : North ☒ South ☐ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 57' 00.95528" N (5 Decimal Places)
Longitude : 76° 33' 06.79144" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0135 Is 76° 08' 59"
Control Based On: Station (Name/PID) DRVI A/AI9596
or Project (Monument No.) : _____

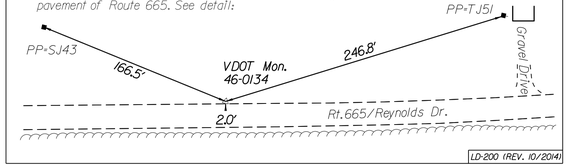
Project Information
Project Number : 0669-046-682
Route : Rt 665 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

- Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
- Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)

VDOT Mon. stamped '46-0134' is set in concrete, slightly below grade. To reach the monument from the Intersection of Route 32 (Brewers Neck Blvd.) and Route 665 (Reynolds Dr.) in Isle of Wight, Virginia, proceed approximately 1.40 miles north on route 665. Monument is located on the north side of the road between the edge of pavement and a drainage ditch located at the edge of the field. Monument is located approximately 0.15 miles west of the intersection of Route 665 and Route 669 (Nike Park Dr.), 260 feet west-southwest of a gravel driveway on the north side of Route 665 for address 21503, 170 feet east-southeast of PP SJ 43, and 2 feet north of the northern edge of pavement of Route 665. See detail:



LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control

Control Station I.D. : 46-0135 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12052663.526 ft.
North (Y) : 3511452.755 ft.
Elevation: 20.81 ft. Derived Via Level Circuits
Referencing Static Network

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12052663.526 ft.
North (Y) : 3511452.755 ft.
Ortho. Elevation (H) : 20.81 ft.
Zone : North ☒ South ☐ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 57' 02.11801" N (5 Decimal Places)
Longitude : 76° 33' 00.34593" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0134 Is 256° 08' 59"
Control Based On: Station (Name/PID) DRVI A/AI9596
or Project (Monument No.) : _____

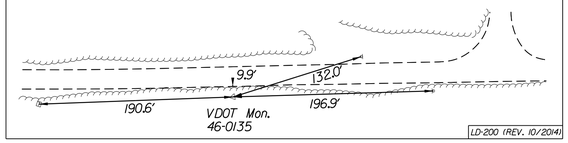
Project Information
Project Number : 0669-046-682
Route : Rt 665 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

- Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
- Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)

VDOT Mon. stamped '46-0135' is set in concrete, slightly below grade. To reach the monument from the Intersection of Route 32 (Brewers Neck Blvd.) and Route 665 (Reynolds Dr.) in Isle of Wight, Virginia, proceed approximately 1.50 miles north on route 665. Monument is located on the south side of the road between the edge of woods and a drainage ditch. Monument is located approximately 0.05 miles (230') west of the Intersection of Route 665 and Route 669 (Nike Park Dr.), 197 feet west-southwest of a sign for Route 669, 191 feet east-northeast of telephone pedestal # AII2, 133 feet southwest of a speed limit sign on the opposite side of the road and 10 feet south-southeast of the southern edge of pavement of Route 665. See detail:



LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control

Control Station I.D. : 46-0136 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12056452.674 ft.
North (Y) : 3508041.789 ft.
Elevation: 24.35 ft. Derived Via Level Circuits
Referencing Monument 46-0132

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12056452.674 ft.
North (Y) : 3508041.789 ft.
Ortho. Elevation (H) : 24.35 ft.
Zone : North ☒ South ☐ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

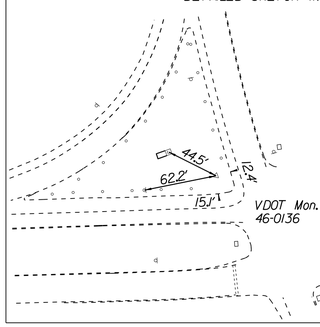
Latitude : 36° 56' 27.62203" N (5 Decimal Places)
Longitude : 76° 32' 14.54812" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0137 Is 352° 15' 38"
Control Based On: Station (Name/PID) DRVI A/AI9596
or Project (Monument No.) : _____

Project Information
Project Number : 0017-046-683
Route : Hwy 17 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

- Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
- Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



VDOT Mon. stamped '46-0136' is set in concrete, slightly below grade. To reach the monument from the Route 17 James River Bridge, proceed south on Route 17 approximately 2.5 miles from the south end of the bridge to the Intersection of Route 17 (Carrollton Blvd.) and Route 32 (Brewers neck Blvd.) in Isle of Wight, Virginia. Monument is located at the Intersection of Route 17 and Route 32 in the grass exit ramp median between Route 17 south to Route 32 west. Monument is located approximately 62.5 feet east-northeast of a metal 'merge' sign, 45 feet east-southeast of a stormwater grate inlet, 15' north-northwest of the northern edge of pavement for the west bound lane of Route 32 and 12 feet west-southwest of the western edge of pavement for the south bound lanes. See detail:

LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control

Control Station I.D. : 46-0137 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12056356.161 ft.
North (Y) : 3508751.934 ft.
Elevation: 19.22 ft. Derived Via Level Circuits
Referencing Monument 46-0132

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12056356.161 ft.
North (Y) : 3508751.934 ft.
Ortho. Elevation (H) : 19.22 ft.
Zone : North ☒ South ☐ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

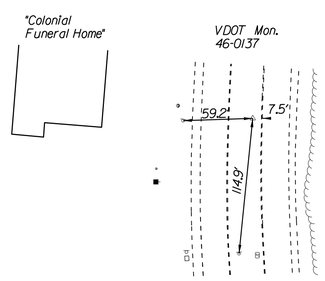
Latitude : 36° 56' 34.66211" N (5 Decimal Places)
Longitude : 76° 32' 15.55491" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0136 Is 172° 15' 38"
Control Based On: Station (Name/PID) DRVI A/AI9596
or Project (Monument No.) : _____

Project Information
Project Number : 0017-046-683
Route : Hwy 17 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

- Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
- Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



VDOT Mon. stamped '46-0137' is set in concrete, slightly below grade. To reach the monument from the Route 17 James River Bridge, proceed south on Route 17 approximately 2.3 miles from the south end of the bridge to approximately 0.2 miles north of the Intersection of Route 17 (Carrollton Blvd.) and Route 32 (Brewers neck Blvd.) in Isle of Wight, Virginia. Monument is located across from the Colonial Funeral Home in the grass median between the north and south bound lanes of Route 17, on the north bound side of median. Monument is located approximately 113 feet north of a metal 'signal' sign, 59 feet east of a historical district sign, 7' west of the western edge of pavement for the north bound lane of Route 17. See detail:

LD-200 (REV. 10/2014)

	PROJECT	SHEET NO.
	0669-046-682	IE(1)

PROJECT MANAGER _Wall Zaman, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_
DESIGN BY _Xing Li, P.E. (804) 786-2066 (Central Office)_
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _

SURVEY ALIGNMENT DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682, RW-201, C-501	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

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 46-0131 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12057952.013 ft.
North (Y) : 3506273.089 ft.
Elevation: 18.73 ft. Derived Via Level Circuits
Referencing Monument 46-0132

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12057952.013 ft.
North (Y) : 3506273.089 ft.
Ortho. Elevation (H) : 18.73 ft.
Zone : North _ South X (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 56' 09.82872" N (5 Decimal Places)
Longitude : 76° 31' 56.53704" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0132 Is 331° 15' 17"
Control Based On: Station (Name/PID) DRVI A/ AI9596
or Project (Monument No.) : _____

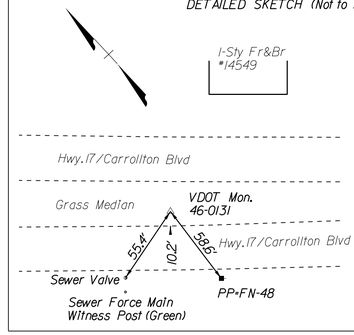
Project Information
Project Number : 0017-046-683
Route : Hwy 17 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



VDOT Mon. stamped '46-0131' is set in concrete, slightly below grade. To reach the monument from the intersection of Route 17 (Carrollton Blvd.) and Route 32 (Brewers neck Blvd.) in Isle of Wight, Virginia, proceed southeast on Route 17 approximately 0.4 miles. Monument is located across from address 14549 in the grass median between the north and south bound lanes of Route 17, on the south bound side of median. Monument is located approximately 1,100 feet southeast of the intersection of Route 17 and Deep Bottom Drive, 57 feet north-northeast of power pole FN 48, 54 feet east of a sewer valve, and 10 feet northeast of the eastern edge of pavement for the south bound lanes. See detail:

LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 46-0132 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12057525.360 ft.
North (Y) : 3507050.929 ft.
Elevation : 22.34 ft.

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12057525.360 ft.
North (Y) : 3507050.929 ft.
Ortho. Elevation (H) : 22.34 ft.
Zone : North _ South X (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 56' 17.60606" N (5 Decimal Places)
Longitude : 76° 32' 01.59160" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0131 Is 151° 15' 17"
Control Based On: Station (Name/PID) DRVI A/ AI9596
or Project (Monument No.) : _____

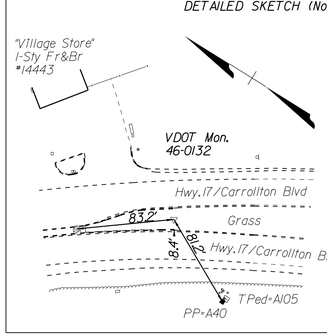
Project Information
Project Number : 0017-046-683
Route : Hwy 17 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



VDOT Mon. stamped '46-0132' is set in concrete, slightly below grade. To reach the monument from the intersection of Route 17 (Carrollton Blvd.) and Route 32 (Brewers neck Blvd.) in Isle of Wight, Virginia, proceed southeast on Route 17 approximately 0.25 miles. Monument is located across from address 14443 in the middle of the grass median between the north and south bound lanes of Route 17. Monument is located approximately 235 feet southeast of the intersection of Route 17 and Deep Bottom Drive, 88 feet northeast of PP A40, 87 feet southeast of a catch basin in concrete median, and 8 feet northeast of the eastern edge of pavement for the south bound lanes. See detail:

LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 46-0136 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12056452.674 ft.
North (Y) : 3508041.789 ft.
Elevation: 24.35 ft. Derived Via Level Circuits
Referencing Monument 46-0132

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12056452.674 ft.
North (Y) : 3508041.789 ft.
Ortho. Elevation (H) : 24.35 ft.
Zone : North _ South X (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 56' 27.62203" N (5 Decimal Places)
Longitude : 76° 32' 14.54812" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0137 Is 352° 15' 38"
Control Based On: Station (Name/PID) DRVI A/ AI9596
or Project (Monument No.) : _____

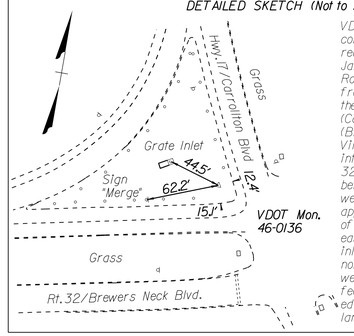
Project Information
Project Number : 0017-046-683
Route : Hwy 17 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



VDOT Mon. stamped '46-0136' is set in concrete, slightly below grade. To reach the monument from the Route 17 James River Bridge, proceed south on Route 17 approximately 2.5 miles from the south end of the bridge to the intersection of Route 17 (Carrollton Blvd.) and Route 32 (Brewers neck Blvd.) in Isle of Wight, Virginia. Monument is located at the intersection of Route 17 and Route 32 in the grass exit ramp median between Route 17 south to Route 32 west. Monument is located approximately 62.5 feet east-northeast of a metal 'merge' sign, 45 feet east-southeast of a stormwater grate inlet, 15' north-northwest of the northern edge of pavement for the west bound lane of Route 32 and 12 feet west-southwest of the western edge of pavement for the south bound lanes. See detail:

LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 46-0137 Date : 12-27-2016

VDOT Project Coordinates (2014)
East (X) : 12056356.161 ft.
North (Y) : 3508751.934 ft.
Elevation: 19.22 ft. Derived Via Level Circuits
Referencing Monument 46-0132

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 12056356.161 ft.
North (Y) : 3508751.934 ft.
Ortho. Elevation (H) : 19.22 ft.
Zone : North _ South X (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.000000000 (9 Decimal Places)

Latitude : 36° 56' 34.6621" N (5 Decimal Places)
Longitude : 76° 32' 15.55491" W (5 Decimal Places)
Geoid Separation (N) : _____
Ellipsoid Height (h) : _____
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 2012B
Azimuth to Station : 46-0136 Is 172° 15' 38"
Control Based On: Station (Name/PID) DRVI A/ AI9596
or Project (Monument No.) : _____

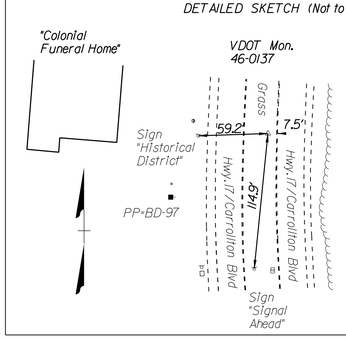
Project Information
Project Number : 0017-046-683
Route : Hwy 17 City/County : Isle of Wight
Established By : Rice Associates

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



VDOT Mon. stamped '46-0137' is set in concrete, slightly below grade. To reach the monument from the Route 17 James River Bridge, proceed south on Route 17 approximately 2.3 miles from the south end of the bridge to approximately 0.2 miles north of the intersection of Route 17 (Carrollton Blvd.) and Route 32 (Brewers neck Blvd.) in Isle of Wight, Virginia. Monument is located across from the Colonial Funeral Home in the grass median between the north and south bound lanes of Route 17, on the north bound side of median. Monument is located approximately 113 feet north of a metal 'signal' sign, 59 feet east of a historical district sign, 7' west of the western edge of pavement for the north bound lane of Route 17. See detail:

LD-200 (REV. 10/2014)

PLANIMETRIC LEGEND

- Advertising Sign
- Bore Hole
- Bench Mark
- Bollard Post
- Photo Control Point
- Control Station
- Cell Tower
- Drainage Flow Arrow (Storm Drainage)
- Filler Cap (Gas Stations)
- Flow Arrow (Streams & Rivers)
- Flag Pole
- Secondary Control Point
- Filler Pipe (Gas Stations)
- Gas Tank Access Manhole (Gas Stations)
- Gravesite Marker
- Guard Post
- Gas Vent Pipe (Gas Stations)
- Mail Box
- Mine Entrance
- Node Point
- Property Line Symbol
- Found Monumentation
- Property Monument
- Metal or Wooden Post
- Monitoring Well
- Road Arrow
- Reference
- Right of Way Monument
- VDOT Commission Monument
- Iron Right of Way Pin
- Railroad Mile Marker
- Railroad Right of Way Monument
- Railroad Signal Pole or Gate
- Railroad Telegraph Pole
- Railroad Telephone Pole
- Railroad Switch
- Shrub
- Storm Sewer Manhole
- Photogrammetric Target
- Tree
- Wetland Flag Automatic
- Wetland Flag Manual
- Bridge Elevation
- Plan Elevation
- Water Elevation
- Elevation Tick Mark
- Connected Plat Symbol
- Brush Line
- Pipe Culverts *
- City Line
- County Line
- Curb Only
- Curb and Gutter
- Fence Line
- Guardrail
- Hedge Row
- Jersey Barrier
- Obscure Areas
- Paved Ditches
- Railroad
- Right of Way
- State Line
- Edges of Water
- Sidewalks
- Wetlands
- Woods

* Designate size of culverts (Variable from 12" to 120")

UTILITY LEGEND

- Anchor (for towers)
- Camera Pole
- Electric Box
- Electric Guy Pole
- Electric Ground Light
- Electric Guy Wire
- Electric Hand Hole
- Electric Meter
- Electric Manhole
- Electric Marker Post
- Electric Pedestal
- Electric Stub
- End of Information (All Utilities)
- Fire Hydrant
- Fiber Optic Hand Hole
- Fiber Optic Marker
- Gas Meter
- Gas Manhole
- Gas Marker Post
- Gas Monitoring Well
- Gas Stub
- Gas Test Station
- Gas Valve
- Gas Vent
- Gas Well
- Irrigation Valve
- Light Pole
- Luminaire
- Unknown Manhole
- Post Inspection Valve
- Power Pole
- Power Riser Pole
- Sanitary Flow Arrow
- Satellite Dish
- Sewer Clean Out
- Sanitary Force Main Valve
- Sanitary Marker Post
- Sanitary Manhole
- Sanitary Stub
- Steam Manhole
- Steam Vent Pipe
- Sewer Vent Pipe
- Traffic Control Hand Hole
- Traffic Control Manhole
- Telephone Booth
- Telephone Guy Pole
- Telephone Guy Wire
- Test Holes (All Utilities)
- Telephone Hand Hole
- Telephone Manhole
- Telephone Marker Post
- Telephone Pole
- Telephone Pedestal
- Telephone Riser Pole
- Traffic Guy Wire
- Traffic Signal Guy Pole
- Traffic Signal Pole
- Traffic Signal Pole w/Luminaire
- Telephone Stub
- Television Hand Hole
- Television Manhole
- Television Marker Post
- Television Pedestal
- Television Stub
- Unknown Clean Out
- Unknown Hand Hole
- Water Blow Off
- Water Well
- Water Meter
- Water Manhole
- Water Marker Post
- Water Spigot
- Water Siamese Connection
- Water Stub
- Water Valve

- Fiber Optic Cable Television
- Chemical Line (above or below ground)
- Underground Fiber Optic Duct
- Fuel Line (above or below ground)
- Gas Line *
- Gas Line Duct
- Gravity Sewer *
- Sanitary Force Main *
- Traffic Control Fiber Optic
- Telephone Fiber Optic
- Underground Fiber Optic
- Unknown Utility Line
- Underground Power Cable
- Underground Power Cable Duct
- Underground Telephone Cable
- Underground Telephone Cable Duct
- Underground Traffic Control
- Underground Traffic Control Duct
- Underground Television Cable
- Underground Television Cable Duct
- Vacuum Sewer
- Water Line *
- Water Line Duct
- Depicted According To Utility Records **
- Abandoned According To Utility Records **
- According To Miss Utility Information **

* Designate size (Variable from 0.75" to 54")
** Designate type (Unknown line is shown)

PROJECT	SHEET NO.
0669-046-682	1E(2)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

ALIGNMENT DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682 RW-201, C-501	IF(1)

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

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

ROUTE 665 (REYNOLDS DR.)

<* 2 DESCRIBE CHAIN REYNOLDB

Chain REYNOLDB contains:
REYNOLDB1 CUR REYNOLDB_3 CUR REYNOLDB_6 CUR REYNOLDB_7 CUR REYNOLDB_10 CUR REYNOLDB_13 REYNOLDB15

Beginning chain REYNOLDB description
Feature: - 25 Scale Baselines
****

Point REYNOLDB1 N 3,511,158.190 E 12,051,396.497 Sta 100+00.00

Course from REYNOLDB1 to PC REYNOLDB_3 N 80° 44' 43.47" E Dist 117.129

Curve Data

Curve REYNOLDB_3
P.I. Station 102+56.87 N 3,511,199.500 E 12,051,650.023
Delta = 3° 25' 27.36" (LT)
Degree = 1° 13' 32.08"
Tangent = 139.742
Length = 279.400
Radius = 4,675.000
External = 2.088
Long Chord = 279.359
Mid.Ord. = 2.087
P.C. Station 101+17.13 N 3,511,177.027 E 12,051,512.101
P.T. Station 103+96.53 N 3,511,230.172 E 12,051,786.358
C.C. N 3,515,791.175 E 12,050,760.259
Back = N 80° 44' 43.47" E
Ahead = N 77° 19' 16.11" E
Chord Bear = N 79° 01' 59.79" E

Course from PT REYNOLDB_3 to PC REYNOLDB_6 N 77° 19' 16.11" E Dist 189.166

Curve Data

Curve REYNOLDB_6
P.I. Station 107+66.06 N 3,511,311.278 E 12,052,146.874
Delta = 2° 17' 00.38" (LT)
Degree = 0° 37' 59.17"
Tangent = 180.361
Length = 360.675
Radius = 9,050.000
External = 1.797
Long Chord = 360.651
Mid.Ord. = 1.797
P.C. Station 105+85.69 N 3,511,271.691 E 12,051,970.910
P.T. Station 109+46.37 N 3,511,357.844 E 12,052,321.120
C.C. N 3,520,101.012 E 12,049,984.560
Back = N 77° 19' 16.11" E
Ahead = N 75° 02' 15.73" E
Chord Bear = N 76° 10' 45.92" E

Curve Data

Curve REYNOLDB_7
P.I. Station 110+45.40 N 3,511,383.412 E 12,052,416.795
Delta = 5° 15' 00.58" (LT)
Degree = 2° 39' 09.30"
Tangent = 99.032
Length = 197.926
Radius = 2,160.000
External = 2.269
Long Chord = 197.857
Mid.Ord. = 2.267
P.C. Station 109+46.37 N 3,511,357.844 E 12,052,321.120
P.T. Station 111+44.30 N 3,511,417.628 E 12,052,509.728
C.C. N 3,513,444.611 E 12,051,763.444
Back = N 75° 02' 15.73" E
Ahead = N 69° 47' 15.15" E
Chord Bear = N 72° 24' 45.44" E

Course from PT REYNOLDB_7 to PC REYNOLDB_10 N 69° 47' 15.15" E Dist 606.473

Curve Data

Curve REYNOLDB_10
P.I. Station 119+65.46 N 3,511,701.343 E 12,053,280.324
Delta = 4° 07' 06.36" (RT)
Degree = 0° 57' 34.44"
Tangent = 214.691
Length = 429.197
Radius = 5,971.000
External = 3.858
Long Chord = 429.104
Mid.Ord. = 3.856
P.C. Station 117+50.77 N 3,511,627.166 E 12,053,078.854
P.T. Station 121+79.97 N 3,511,760.858 E 12,053,486.600
C.C. N 3,506,023.873 E 12,055,141.848
Back = N 69° 47' 15.15" E
Ahead = N 73° 54' 21.51" E
Chord Bear = N 71° 50' 48.33" E

Course from PT REYNOLDB_10 to PC REYNOLDB_13 N 73° 54' 21.51" E Dist 291.400

ROUTE 665 (REYNOLDS DR.Cont.)

Curve Data

Curve REYNOLDB_13
P.I. Station 126+07.08 N 3,511,879.261 E 12,053,896.979
Delta = 6° 28' 23.44" (LT)
Degree = 2° 23' 14.37"
Tangent = 135.718
Length = 271.148
Radius = 2,400.000
External = 3.834
Long Chord = 271.004
Mid.Ord. = 3.828
P.C. Station 124+71.36 N 3,511,841.638 E 12,053,766.580
P.T. Station 127+42.51 N 3,511,931.345 E 12,054,022.305
C.C. N 3,514,147.577 E 12,053,101.265
Back = N 73° 54' 21.51" E
Ahead = N 67° 25' 58.07" E
Chord Bear = N 70° 40' 09.79" E

Course from PT REYNOLDB_13 to REYNOLDB15 N 67° 25' 58.07" E Dist 7.460

Point REYNOLDB15 N 3,511,934.208 E 12,054,029.194 Sta 127+49.97

****
Ending chain REYNOLDB description

ROUTE 17 SB (CARROLLTON BLVD.)

Chain RTE17 contains:
RTE171 RTE172

Beginning chain RTE17 description
Feature: - 25 Scale Baselines
****

Point RTE171 N 3,508,961.821 E 12,056,335.911 Sta 224+50.00

Course from RTE171 to RTE172 N 4° 18' 35.499" E Dist 750.000

Point RTE172 N 3,509,709.701 E 12,056,392.274 Sta 232+00.00

****
Ending chain RTE17 description

ROUTE 669 (NIKE PARK RD.)

Chain NIKE contains:
NIKE1 CUR NIKE_3 CUR NIKE_6 CUR NIKE_9 CUR NIKE_12 NIKE14

Beginning chain NIKE description
Feature: - 25 Scale Baselines
****

Point NIKE1 N 3,512,640.473 E 12,052,503.589 Sta 5+00.00

Course from NIKE1 to PC NIKE_3 S 20° 46' 11.426" E Dist 338.037

Curve Data

Curve NIKE_3
P.I. Station 8+82.00 N 3,512,283.295 E 12,052,639.053
Delta = 0° 30' 13.762" (RT)
Degree = 0° 34' 22.648"
Tangent = 43.967
Length = 87.934
Radius = 10,000.000
External = 0.097
Long Chord = 87.933
Mid.Ord. = 0.097
P.C. Station 8+38.04 N 3,512,324.404 E 12,052,623.462
P.T. Station 9+25.97 N 3,512,242.049 E 12,052,654.283
C.C. N 3,508,778.256 E 12,043,273.337
Back = S 20° 46' 11.426" E
Ahead = S 20° 15' 57.664" E
Chord Bear = S 20° 31' 04.545" E

Course from PT NIKE_3 to PC NIKE_6 S 20° 15' 57.664" E Dist 943.853

Curve Data

Curve NIKE_6
P.I. Station 23+78.80 N 3,510,879.153 E 12,053,157.514
Delta = 64° 55' 52.330" (LT)
Degree = 7° 09' 43.101"
Tangent = 508.981
Length = 906.611
Radius = 800.000
External = 148.189
Long Chord = 858.869
Mid.Ord. = 125.029
P.C. Station 18+69.82 N 3,511,356.626 E 12,052,981.214
P.T. Station 27+76.43 N 3,510,836.538 E 12,053,664.708
C.C. N 3,511,633.729 E 12,053,731.689
Back = S 20° 15' 57.664" E
Ahead = S 85° 11' 49.994" E
Chord Bear = S 52° 43' 53.829" E

Course from PT NIKE_6 to PC NIKE_9 S 85° 11' 49.994" E Dist 952.103

Curve Data

Curve NIKE_9
P.I. Station 42+60.03 N 3,510,712.323 E 12,055,143.093
Delta = 67° 11' 49.994" (RT)
Degree = 7° 09' 43.101"
Tangent = 531.491
Length = 938.250
Radius = 800.000
External = 160.459
Long Chord = 885.394
Mid.Ord. = 133.652
P.C. Station 37+28.54 N 3,510,756.822 E 12,054,613.468
P.T. Station 46+66.79 N 3,510,206.845 E 12,055,307.333
C.C. N 3,509,959.631 E 12,054,546.487
Back = S 85° 11' 49.994" E
Ahead = S 18° 00' 00.000" E
Chord Bear = S 51° 35' 54.997" E

Course from PT NIKE_9 to PC NIKE_12 S 18° 00' 00.000" E Dist 505.059

Curve Data

Curve NIKE_12
P.I. Station 57+08.53 N 3,509,216.091 E 12,055,629.248
Delta = 67° 42' 41.361" (LT)
Degree = 7° 09' 43.101"
Tangent = 536.681
Length = 945.431
Radius = 800.000
External = 163.341
Long Chord = 891.366
Mid.Ord. = 135.646
P.C. Station 51+71.85 N 3,509,726.505 E 12,055,463.404
P.T. Station 61+17.28 N 3,509,175.959 E 12,056,164.427
C.C. N 3,509,973.719 E 12,056,224.250
Back = S 18° 00' 00.000" E
Ahead = S 85° 42' 41.361" E
Chord Bear = S 51° 51' 20.680" E

Course from PT NIKE_12 to NIKE14 S 85° 42' 41.361" E Dist 187.092

Point NIKE14 N 3,509,161.968 E 12,056,350.995 Sta 63+04.37

****
Ending chain NIKE description

N.T.S.	PROJECT 0669-046-682	SHEET NO. IF(1)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

ALIGNMENT DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682 RW-201, C-501	1F(2)

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

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

ROUTE 669 ENTR.STA.28+00 LT.

Chain ENTR_2800_LT contains:
55 56

Beginning chain ENTR_2800_LT description
Feature: - 25 Scale Baselines
****

Point 55 N 3,510,834.565 E 12,053,688.192 Sta 0+00.00

Course from 55 to 56 N 4° 48' 10.007" E Dist 100.000

Point 56 N 3,510,934.214 E 12,053,696.564 Sta 1+00.00

****
Ending chain ENTR_2800_LT description

ROUTE 669 ENTR.STA.28+00 RT.

Chain ENTR_2800_RT contains:
53 54

Beginning chain ENTR_2800_RT description
Feature: - 25 Scale Baselines
****

Point 53 N 3,510,834.565 E 12,053,688.192 Sta 0+00.00

Course from 53 to 54 S 4° 48' 10.005" W Dist 100.000

Point 54 N 3,510,734.916 E 12,053,679.819 Sta 1+00.00

****
Ending chain ENTR_2800_RT description

LEFT EP NIKE

<+ 4 DESCRIBE CHAIN LEFTEP

Chain LEFTEP contains:
CUR LEFTEP_1 CUR LEFTEP_2 LEFTEP4

Beginning chain LEFTEP description
****

Curve Data

Curve LEFTEP_1
P.I. Station 12+50.55 N 3,509,242.847 E 12,055,846.472
Delta = 35° 31' 51.16" (LT)
Degree = 7° 15' 36.57"
Tangent = 250.552
Length = 484.942
Radius = 782.000
External = 39.158
Long Chord = 477.209
Mid.Ord. = 37.291
P.C. Station 10+00.00 N 3,509,416.396 E 12,055,665.759
P.T. Station 14+84.94 N 3,509,206.633 E 12,056,094.394
C.C. N 3,509,980.421 E 12,056,207.422
Back = S 46° 09' 30.98" E
Ahead = S 81° 41' 22.14" E
Chord Bear = S 63° 55' 26.56" E

Curve Data

Curve LEFTEP_2
P.I. Station 15+21.09 N 3,509,200.600 E 12,056,130.030
Delta = 5° 19' 10.81" (LT)
Degree = 7° 21' 52.19"
Tangent = 36.143
Length = 72.234
Radius = 778.000
External = 0.839
Long Chord = 72.208
Mid.Ord. = 0.838
P.C. Station 14+84.94 N 3,509,206.633 E 12,056,094.394
P.T. Station 15+57.18 N 3,509,197.897 E 12,056,166.072
C.C. N 3,509,991.371.9 E 12,056,224.250
Back = S 80° 23' 30.55" E
Ahead = S 85° 42' 41.36" E
Chord Bear = S 83° 03' 05.96" E

Course from PT LEFTEP_2 to LEFTEP4 S 85° 42' 41.36" E Dist 104.340

Point LEFTEP4 N 3,509,190.095 E 12,056,270.119 Sta 16+61.52

****
Ending chain LEFTEP description

ROUTE 669 ENTR.STA.56+00 RT.

Chain ENTR_5600_RT contains:
57 58

Beginning chain ENTR_5600_RT description
Feature: - 25 Scale Baselines
****

Point 57 N 3,509,373.037 E 12,055,695.874 Sta 0+00.00

Course from 57 to 58 S 4° 20' 08.587" W Dist 100.000

Point 58 N 3,509,297.952 E 12,055,629.827 Sta 1+00.00

****
Ending chain ENTR_5600_RT description

ROUTE 669 ENTR.STA.59+50

Chain ENTR_5950 contains:
51 CUR ENTR_5950_3 52

Beginning chain ENTR_5950 description
Feature: - 25 Scale Baselines
****

Point 51 N 3,509,205.753 E 12,056,000.134 Sta 0+00.00

Course from 51 to PC ENTR_5950_3 N 16° 16' 07.735" E Dist 75.000

Curve Data

Curve ENTR_5950_3
P.I. Station 1+14.70 N 3,509,315.864 E 12,056,032.268
Delta = 76° 54' 16.983" (RT)
Degree = 114° 35' 29.612"
Tangent = 39.704
Length = 67.112
Radius = 50.000
External = 13.847
Long Chord = 62.186
Mid.Ord. = 10.844
P.C. Station 0+75.00 N 3,509,277.750 E 12,056,021.145
P.T. Station 1+42.11 N 3,509,313.666 E 12,056,071.911
C.C. N 3,509,263.742 E 12,056,069.143
Back = N 16° 16' 07.735" E
Ahead = S 86° 49' 35.282" E
Chord Bear = N 54° 43' 16.226" E

Course from PT ENTR_5950_3 to 52 S 86° 49' 35.282" E Dist 182.888

Point 52 N 3,509,303.541 E 12,056,254.518 Sta 3+25.00

****
Ending chain ENTR_5950 description

ROUTE 669 ENTR.STA.56+00 LT.

Chain ENTR_5600_LT contains:
59 60

Beginning chain ENTR_5600_LT description
Feature: - 25 Scale Baselines
****

Point 59 N 3,509,373.037 E 12,055,695.874 Sta 0+00.00

Course from 59 to 60 N 4° 20' 08.588" E Dist 100.000

Point 60 N 3,509,448.122 E 12,055,761.921 Sta 1+00.00

****
Ending chain ENTR_5600_LT description

ROUTE 17 NB (CARROLLTON BLVD.)

<+ 2 DESCRIBE CHAIN NB17

Chain NB17 contains:
CUR NB17_1 CUR NB17_4 CUR NB17_7 CUR NB17_10 NB1712

Beginning chain NB17 description
Feature: - 25 Scale Baselines
****

Curve Data

Curve NB17_1
P.I. Station 102+87.59 N 3,507,271.571 E 12,057,412.590
Delta = 23° 12' 58.81" (LT)
Degree = 4° 05' 33.20"
Tangent = 287.587
Length = 567.282
Radius = 1,400.000
External = 29.233
Long Chord = 563.409
Mid.Ord. = 28.635
P.C. Station 100+00.00 N 3,507,028.575 E 12,057,566.405
P.T. Station 105+67.28 N 3,507,434.255 E 12,057,175.441
C.C. N 3,506,279.789 E 12,056,383.477
Back = N 32° 20' 00.70" W
Ahead = N 55° 32' 59.51" W
Chord Bear = N 43° 56' 30.10" W

Course from PT NB17_1 to PC NB17_4 N 55° 32' 59.51" W Dist 244.776

Curve Data

Curve NB17_4
P.I. Station 116+00.92 N 3,508,018.972 E 12,056,323.085
Delta = 59° 35' 50.78" (RT)
Degree = 4° 09' 33.85"
Tangent = 788.861
Length = 1,432.836
Radius = 1,377.500
External = 209.890
Long Chord = 1,369.110
Mid.Ord. = 182.138
P.C. Station 108+12.06 N 3,507,572.722 E 12,056,973.594
P.T. Station 122+44.89 N 3,508,805.865 E 12,056,378.766
C.C. N 3,508,708.635 E 12,057,752.830
Back = N 55° 32' 59.51" W
Ahead = N 4° 02' 51.27" E
Chord Bear = N 25° 45' 04.12" W

Course from PT NB17_4 to PC NB17_7 N 4° 02' 51.27" E Dist 359.856

Curve Data

Curve NB17_7
P.I. Station 127+12.07 N 3,509,271.877 E 12,056,411.742
Delta = 0° 27' 44.39" (RT)
Degree = 0° 12' 55.43"
Tangent = 107.321
Length = 214.640
Radius = 26,600.000
External = 0.216
Long Chord = 214.640
Mid.Ord. = 0.216
P.C. Station 126+04.75 N 3,509,164.824 E 12,056,404.166
P.T. Station 128+19.39 N 3,509,378.865 E 12,056,420.180
C.C. N 3,507,287.269 E 12,082,937.820
Back = N 4° 02' 51.27" E
Ahead = N 4° 30' 35.66" E
Chord Bear = N 4° 16' 43.47" E

Course from PT NB17_7 to PC NB17_10 N 4° 30' 35.66" E Dist 424.583

Curve Data

Curve NB17_10
P.I. Station 137+47.34 N 3,510,303.940 E 12,056,493.146
Delta = 38° 17' 19.12" (RT)
Degree = 3° 57' 05.16"
Tangent = 503.364
Length = 968.981
Radius = 1,450.000
External = 84.886
Long Chord = 951.051
Mid.Ord. = 80.192
P.C. Station 132+43.97 N 3,509,802.134 E 12,056,453.566
P.T. Station 142+12.96 N 3,510,673.282 E 12,056,835.143
C.C. N 3,509,688.119 E 12,057,899.076
Back = N 4° 30' 35.66" E
Ahead = N 42° 47' 54.78" E
Chord Bear = N 23° 39' 15.22" E

Course from PT NB17_10 to NB1712 N 42° 41' 26.47" E Dist 170.221

Point NB1712 N 3,510,798.398 E 12,056,950.560 Sta 143+83.18

****
Ending chain NB17 description

N.T.S.	PROJECT 0669-046-682	SHEET NO. 1F(2)

PROJECT MANAGER _Wali Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

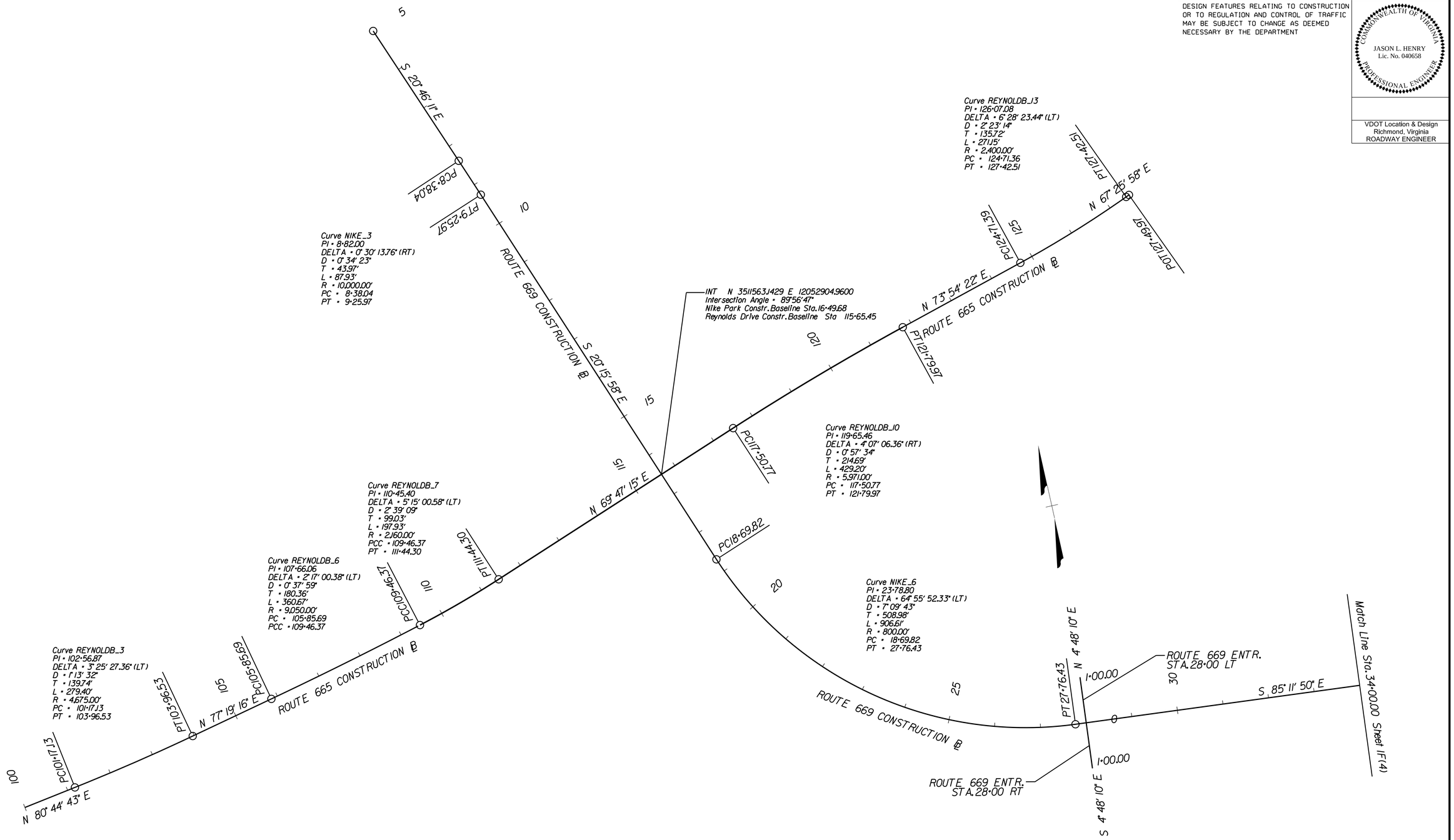
PROPOSED ALIGNMENT LAYOUT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682, RW-201, C-501	IF(3)

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

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER



SCALE	PROJECT	SHEET NO.
0 100' 200'	0669-046-682	IF(3)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _ _

PROPOSED ALIGNMENT LAYOUT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682, RW-201, C-501	IF(4)

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

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

Match Line Sta.34+00.00 Sheet IF(3)

35 40 45 50 55 10 15 60 125 120 135 130 230 225

PC37+28.54

Curve NIKE_9
PI = 42+60.03
DELTA = 67° 11' 49.99" (RT)
D = 7° 09' 43"
T = 531.49'
L = 938.25'
R = 800.00'
PC = 37+28.54
PT = 46+66.79

PT 46+66.79

ROUTE 669 CONSTRUCTION ℄
S 18° 00' 00" E

PC51+71.85

Curve NIKE_12
PI = 57+08.53
DELTA = 67° 42' 41.36" (LT)
D = 7° 09' 43"
T = 536.68'
L = 945.43'
R = 800.00'
PC = 51+71.85
PT = 61+17.28

Curve ENTR_5950_3
PI = 1+14.70
DELTA = 76° 54' 16.98" (RT)
D = 114° 35' 30"
T = 39.70'
L = 67.11'
R = 50.00'
PC = 0+75.00
PT = 1+42.11

ROUTE 669
ENTR.STA.
59+50 LT

PT 1+42.11

POT 3+25.00

S 86° 49' 35" E

N 4° 18' 35" E

LEFT EP
NIKE L

PT 61+17.28

S 85° 42' 41" E

PC 126+04.75

N 41° 20' 09" W
1+00.00

ROUTE 669
ENTR.STA.
56+00 LT

PC 0+75.00

N 16° 16' 08" E

S 41° 20' 09" E
1+00.00

ROUTE 669
ENTR.STA.
56+00 RT

POT 0+00.00

INT N 3509161.9684 E 12056350.9950
Intersection Angle = 90°01'17"
Nike Park Constr. Baseline Sta. 63+04.37
US 17 SB Constr. Baseline Sta 226+50.71

POT 224+50.00

N 4° 02' 51" E

PT 122+44.89

Curve NBI7_4
PI = 116+00.92
DELTA = 59° 35' 50.78" (RT)
D = 4° 09' 34"
T = 788.86'
L = 1,432.84'
R = 1,377.50'
PC = 108+12.06
PT = 122+44.89

Curve NBI7_10
PI = 137+47.34
DELTA = 38° 17' 19.12" (RT)
D = 3° 57' 05"
T = 503.36'
L = 968.98'
R = 1,450.00'
PC = 132+43.97
PT = 142+12.96

PC 132+43.97

N 4° 30' 36" E

POT 232+00.00

ROUTE 17 SB
CONSTRUCTION ℄

ROUTE 17 NB
CONSTRUCTION ℄

PT 128+19.39

Curve NBI7_7
PI = 127+12.07
DELTA = 0° 27' 44.39" (RT)
D = 0° 12' 55"
T = 107.32'
L = 214.64'
R = 26,600.00'
PC = 126+04.75
PT = 128+19.39

SCALE	PROJECT	SHEET NO.
0 100' 200'	0669-046-682	IF(4)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	IG(1)

TRANSPORTATION MANAGEMENT PLAN

TRAFFIC CONTROL / MAINTENANCE OF TRAFFIC NOTES:

1. THIS PROJECT IS TYPE B, CATEGORY III BASED UPON VDOT'S IIM LD-241.7.
WORK ZONE LENGTH: APPROXIMATELY 0.88 MILES.
WORK ZONE WIDTH: VARIES.

2. THE TRANSPORTATION MOBILITY PLAN PROVIDES LONG TERM DURATION ACTIVITIES.
THE CONTRACTOR SHALL USE THE APPROPRIATE TTC OF THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL (REV. 2.1) FOR ACTIVITIES NOT DIRECTLY COVERED IN THE TMP.

3. IT IS NOT THE INTENT OF THE MAINTENANCE OF TRAFFIC PLANS TO ENUMERATE EVERY DETAIL OF WHICH MUST BE CONSIDERED IN CONSTRUCTION, BUT ONLY TO SHOW THE GENERAL HANDLING OF TRAFFIC. UNLESS OTHERWISE APPROVED OR DIRECTED BY THE VDOT ENGINEER. THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL(REV. 2.1).

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ONE INTERMEDIATE LEVEL AND ONE BASIC LEVEL DESIGNATED WORK ZONE SAFETY COORDINATOR TO DEVELOP AND MONITOR ALL TRAFFIC CONTROL DEVICES AND ENSURE COMPLIANCE WITH THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL(REV. 2.1).

5. THE CONTRACTOR WILL BE EXPECTED TO FOLLOW THE MAINTENANCE OF TRAFFIC (MOT) PLANS AS PROPOSED ON THIS SHEET. IF THE CONTRACTOR WISHES TO DEVIATE FROM THE PROPOSED MOT PLANS WITH GOOD CAUSE, THE CONTRACTOR SHALL DEVELOP PLANS THAT CONFORM TO THE RECOMMENDATIONS IN THE CURRENT VIRGINIA WORK AREA PROTECTION MANUAL, MUTCD, VDOT'S IIM-LD-241.7, VDOT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, AND AS AMENDED BY CONTRACT PROVISIONS. THE CONTRACTOR SHALL SUBMIT THE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL MEASURES. THE CONTRACTOR WILL DEVELOP THE TRAFFIC CONTROL PLAN AT NO COST TO THE PROJECT. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR SAFE TRAVEL ON THE ROADWAYS.

6. THE CONTRACTOR SHALL COORDINATE WITH ADJACENT FARM LAND OWNERS FOR MOBILIZATION OF FARM EQUIPMENT THROUGHOUT THE PROJECT DURATION.

7. FLAGGING OPERATIONS SHALL BE LIMITED THE LIMITS OF OPERATION FOUND IN NOTES 28 & 29.

8. A MINIMUM OF ONE 11' LANE SHALL BE MAINTAINED AT ALL TIMES ALONG US 17 AND 9' ALONG REYNOLDS DRIVE.

9. THE CLEAR ZONE SHALL BE MAINTAINED FREE OF PARKED EQUIPMENT AND STORED MATERIAL PROTECTED AT THE END OF EACH DAY IN ACCORDANCE WITH THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL(REV. 2.1).

WORK ZONE SPEED LIMITS AND CLEAR ZONES ARE AS FOLLOWS:
US 17 : 55 MPH, 25' CLEAR ZONE
NIKE PARK: 45 MPH, 15' CLEAR ZONE
REYNOLDS : 50 MPH, 20' CLEAR ZONE

10. THE CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT WEDGES IN ACCORDANCE WITH VDOT'S ROAD AND BRIDGE STANDARDS ACOT-1 ANYTIME THE PAVEMENT ELEVATION DIFFERENCE BETWEEN ADJACENT PHASES IS GREATER THAN 2 INCHES. ALL COST FOR FURNISHING, PLACING AND REMOVING TEMPORARY PAVEMENT WEDGES SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

11. AT THE CONCLUSION OF EACH WORK DAY, ALL PAVEMENT EDGE DROP OFFS SHALL MEET THE REQUIREMENTS OF FIGURE 2 IN APPENDIX A OF THE 2011 REV 2.1 VIRGINIA WAPM FOR THE SAFETY AND PROTECTION OF VEHICULAR TRAFFIC. ALL COST FOR MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

12. THE CONTRACTOR SHALL NOT CONDUCT OPERATIONS WHEN THE WEATHER CAUSES UNSAFE CONDITIONS FOR THE TRAVELING PUBLIC AS DETERMINED BY THE ENGINEER.

13. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT, IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED.

14. THE CONTRACTOR SHALL MAINTAIN EXISTING VEHICULAR AND PEDESTRIAN LOCAL ACCESS TO ADJACENT PROPERTIES AND INTERSECTIONS DURING ALL PHASES OF CONSTRUCTION.

15. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFE AND ADEQUATE SIGHT DISTANCE AND ACCESS TO ALL RESIDENTIAL AND COMMERCIAL ENTRANCES AT ALL TIMES. FOR CONNECTIONS AND ENTRANCES, MINIMUM WIDTH SHALL BE NO LESS THAN EXISTING CONDITIONS UNLESS OTHERWISE SHOWN ON THE PLANS. EMERGENCY VEHICLES AND POSTAL VEHICLES MUST ALSO HAVE ACCESS TO ALL PROPERTIES AT ALL TIMES. MAILBOXES SHALL BE RESET AND AVAILABLE FOR USE EACH DAY. ALL COST FOR PROVIDING AND MAINTAINING ACCESS SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

16. CONSTRUCTION SIGN SPACING DISTANCE TO MEET 2011 VIRGINIA WORK AREA PROTECTION MANUAL(REV. 2.1) REQUIREMENTS.

17. ALL CONSTRUCTION SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING FURNISHING, INSTALLING, ADJUSTING, MAINTAINING AND REMOVAL OF SIGNS AND POSTS PER THE SPECIFICATIONS AND STANDARDS.

18. ANY TEMPORARY TRAFFIC CONTROL SIGN NEEDED FOR MORE THAN 3 CONSECUTIVE DAYS, SHALL BE MOUNTED ON A WOODEN POST OR SQUARE STEEL TUBE POST (WSP-1).

19. ALL SIGN SUPPORTS INCLUDING TEMPORARY SIGN STANDS, WOOD POST, BARRIER AND WALL ATTACHMENTS AND HARDWARE SHALL BE INCLUDED IN THE COST OF THE CONSTRUCTION SIGNS.

20. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS, ALL TEMPORARY TRAFFIC CONTROL MEASURES, DEVICES AND METHODS SHALL BE IN ACCORDANCE WITH THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL(REV. 2.1) AND AS SUPPLEMENTED BY ALL CURRENT MANUAL REVISIONS PUBLISHED BY VDOT.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SIGNING, DELINEATION, PAVEMENT MARKINGS, AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY TO PERFORM THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY REMOVE ALL SUCH TEMPORARY DEVICES.

22. THE CONTRACTOR SHALL CHECK ALL TRAFFIC MAINTENANCE AND CONTROL DEVICES AND WORK ZONES BEFORE, DURING, AND AFTER EACH WORK DAY TO ENSURE PROPER OPERATION. ON WEEKENDS, HOLIDAYS, OR ANY NON-WORKING DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE TRAFFIC MAINTENANCE AND CONTROL DEVICES DAILY FOR PROPER OPERATION.

23. THE CONTRACTOR SHALL PROVIDE A PLAN REGARDING EQUIPMENT AND PERSONNEL INGRESS/EGRESS OF THE WORK ZONE TO THE ENGINEER FOR APPROVAL.

24. ALL SIGN LOCATIONS SHOWN ON THE TEMPORARY TRAFFIC CONTROL PLANS ARE APPROXIMATE. ADJUSTMENTS SHOULD BE MADE BASED ON FIELD CONDITIONS WITH THE APPROVAL OF THE PROJECT ENGINEER.

25. ALL EXISTING CONFLICTING SIGNS SHALL BE REMOVED OR COVERED DURING CONSTRUCTION, OTHERWISE EXISTING SIGNING TO BE MAINTAINED AND REMAIN USABLE/EASILY VISIBLE TO ROADWAY USERS WHICH MAY REQUIRE THEIR RELOCATION AS DIRECTED BY THE PROJECT ENGINEER.

26. ALL TEMPORARY CONSTRUCTION PAVEMENT MARKING SHALL BE TYPE D, CLASS III UNLESS OTHERWISE NOTED.

27. THE CONTRACTOR SHALL MAINTAIN PROPER POSITIVE DRAINAGE DURING ALL PHASES OF WORK AND PROVIDE TEMPORARY DRAINAGE DEVICES AS NEEDED. COST TO BE INCLUDED IN OTHER ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

28. US 17 SB ALLOWABLE LANE CLOSURE TIMES ARE AS FOLLOWS.

ONE LANE MAY BE CLOSED DURING THE FOLLOWING TIME PERIODS:

MONDAY – THURSDAY: 12AM-5 AM, 9AM-2PM, 9PM-12AM
FRIDAY: 12AM-5AM, 9AM-2PM
SATURDAY: NONE
SUNDAY: 9PM-12AM

29. US 17 NB ALLOWABLE LANE CLOSURE TIMES ARE AS FOLLOWS.

ONE LANE MAY BE CLOSED DURING THE FOLLOWING TIME PERIODS:

MONDAY – THURSDAY: 12AM-5 AM, 9AM-3PM, 9PM-12AM
FRIDAY: 12AM-5AM, 9AM-3PM
SATURDAY: NONE
SUNDAY: 9PM-12AM

NO SHOULDER CLOSURES MAY BE INSTALLED/REMOVED DURING PEAK HOURS (5AM-9AM & 3PM-7PM).
EXISTING SHOULDER CLOSURES MAY BE MAINTAINED DURING THESE HOURS.

ALLOWABLE LANE CLOSURE HOURS ARE DERIVED FROM THE "ALLOWABLE LANE CLOSURE HOURS FOR THE STATE HIGHWAY SYSTEM IN HAMPTON ROADS DISTRICT" DOCUMENT (ALCD), CURRENT REVISION. ANY REQUESTS BY THE CONTRACTOR TO WORK OUTSIDE OF THE ALLOWABLE LANE CLOSURE HOURS AS STATED IN THE ALCD AND THESE PLANS, WILL REQUIRE A TRAFFIC ENGINEERING ANALYSIS FROM THE CONTRACTOR SHOWING THE TRAFFIC IMPACTS TO THE AFFECTED ROAD(S) CAUSED BY THE ADDITIONAL CLOSURE HOURS REQUESTED INCLUDING, BUT NOT LIMITED TO, THE ADDITIONAL TRAVEL TIME, QUEUES, AND DELAY. THIS TRAFFIC ENGINEERING ANALYSIS WILL NEED APPROVAL BY THE DISTRICT TRAFFIC OPERATIONS DIRECTOR (DTOD) BEFORE ANY HOURS OUTSIDE OF THE ALLOWABLE LANE CLOSURE HOURS ARE GRANTED TO THE CONTRACTOR.

PUBLIC COMMUNICATIONS / INCIDENT MANAGEMENT PLAN

1. THE COMMUNICATION SECTION AND TRANSPORTATION OPERATIONS CENTER SHALL BE NOTIFIED BY THE CONSTRUCTION PROJECT MANAGER OF ROAD CLOSURE AND DETOUR INFORMATION 2 WEEKS PRIOR TO CLOSURE. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING THE CONSTRUCTION PROJECT MANAGER AS NOTED ABOVE. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR LCAMS AND VaTRAFFIC AS PER LANE CLOSURE COORDINATION (LCC)/LANE CLOSURE IMPLIMENTATION (LCI) SPECIAL PROVISION.

2. THE FOLLOWING IS THE CONTACT LIST OF EMERGENCY RESPONSE AGENCIES IN CASE AN INCIDENT OCCURS IN THE WORK ZONE:
EMERGENCY 911 & ISLE OF WIGHT POLICE (NON-EMERGENCY NUMBER (757)357-2151

TRANSPORTATION OPERATIONS CENTER, SHIFT SUPERVISOR (757) 424-9920

PROJECT MAINTENANCE OF TRAFFIC COORDINATOR (INSPECTOR): TBD

PROJECT MANAGER (CONSTRUCTION MANAGERS): TBD

AREA CONSTRUCTION ENGINEER: GAUTHAM RAMESH, P.E. (757) 592-8063
EMAIL: GAUTHAM.RAMESH@VDOT.VIRGINIA.GOV

RESIDENCY ADMINISTRATOR: PAUL MATTICKS, (757) 328-1201
EMAIL: PAUL.MATTICKS@VDOT.VIRGINIA.GOV

DISTRICT WORK ZONE SAFETY COORDINATOR: JOHN SABATO (757) 284-9352
EMAIL: JOHN.SABATO@VDOT.VIRGINIA.GOV

DISTRICT TRAFFIC ENGINEER: TIM HAYNAM, P.E. (757) 956-3055
EMAIL: TIMOTHY.HAYNAM@VDOT.VIRGINIA.GOV

DISTRICT COMMUNICATIONS OFFICE (DCO) STAFF (757)956-3032

3. THE CONTRACTOR SHALL COORDINATE WITH THE ISLE OF WIGHT COUNTY POLICE, FIRE AND RESCUE AND SCHOOL SUPERINTENDENTS CONCERNING ALL DETOURS AND ROAD CLOSURES OF ANY NATURE.

4. PROPERTY OWNERS AND BUSINESSES AFFECTED AS A RESULT OF PROPOSED CONSTRUCTION ZONES SHALL BE NOTIFIED ONE WEEK IN ADVANCE AND CONTRACTOR SHALL PROVIDE ADEQUATE ACCESS DURING CONSTRUCTION.

	PROJECT	SHEET NO.
	0669-046-682	IG(1)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office) _ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682, C501	IG(2)

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

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

SEQUENCE OF CONSTRUCTION NARRATIVE

Phasing Notes

Phase I steps 1-4 to occur sequentially.

Phase 2 Step 1 may occur at the completion of Phase 1 Step 1. Install/activate temporary fiber backbone prior to Phase 2 Step 1. Final signal installation to be accomplished by the end of Phase 2 Step 2.

Phase 2 Steps 1-4 to be accomplished sequentially to limit lane closures along US 17.

Phase 3 to occur with the completion of Phase 1 Step 3.

Access to Parcel 007 to be provided at all times.

Open cut operations to install proposed drainage structures crossing US 17 to follow US 17 Open Cut Special Provision and will occur in Phase 2 Step 1.

In Plan Utility Notes:

Proposed stormwater will be in conflict with existing force main and waterline. Please see 17 series for in plan utility work for details and relocation requirements. In Plan Utility work to follow the Transportation Management Plan (IG(1)) requirements. During water and sewer line relocations, at least one entrance to Parcel 007 will be maintained at all times. Construction phasing may begin in Phase I and will be completed by Phase 2 Step 2.

VWAPM: 2011 Virginia Work Area Protection Manual (REV. 2J).

Phase 1, Steps 1 - 4

Install traffic control devices as shown on sheet 1H series and VWAPM TTC-48.2 and TTC-53.0. Begin Nike Park construction from 62+00 to 16+57.94 as shown on sheet 11, 1J, 1K, and 1L series.

Phase 2 Step 1

US 17 Nike Park cross-over to remain closed during Phase 2 Step 1.

Phase 2 Step 1 to begin with the permission of the Engineer and once Phase 1 Step 1 has been completed.

During allowable hours, close US 17 inside lanes as shown in the 1N series and VWAPM TTC-17.2. Applicable Group 2 channelizing devices are to be moved out of the travel way and signs covered when not being utilized for US 17 lane closure. Lane closures shall comply with allowable hours requirements. Construct the roadway as shown on sheet 1M. At the completion of the phase, mark the left turn lane as shown on sheet 1N(4).

Phase 2 Step 2

US 17 Nike Park cross-over to remain closed during Phase 2 Step 2.

Construct sign island along NB US 17 and Nike Park intersection connection as shown on sheet 1P during allowable hours. Applicable Group 2 channelizing devices are to be moved out of the travel way and signs covered when not being utilized for US 17 lane closure. Lane closures shall comply with allowable hours requirements.

The Contractor shall utilize shoulder closures during allowable hours for the construction of the sign island unless approved by the Engineer. With the approval of the Engineer, US 17 outside lane closure to utilize 1Q series and VWAPM TTC-16.2. NB and SB US 17 lane closures are shown in the 1Q series. If lane closures are required for either NB or SB, then signs and devices in direction of travel to be adjusted as needed.

At the completion of Phase 2 Step 2, mark the pavement as shown on sheet 1Q(3) and activate the proposed traffic signal and proposed fiber optic backbone at the intersection of US 17 and Nike Park.

Phase 2 Step 3

Construct the right turn lane along SB US 17 as shown on sheet 1R during allowable hours. US 17 outside lane closure to utilize 1S series and VWAPM TTC-16.2. Applicable Group 2 channelizing devices are to be moved out of the travel way and signs covered when not being utilized for US 17 lane closure. Lane closures shall comply with allowable hours requirements. Mark the pavement as shown on sheet 1S series.

Phase 3

Milling and replacement/slope correction to be completed within 24 hours. Contractor to coordinate activity with the Engineer one week before operation to allow coordination with Isle of Wight. Lane closures shall comply with allowable hours requirements.

Construct ditch grading, Reynolds slope correction, and Nike Park tie -in as shown on sheet 1T series and VWAPM TTC-23.2 and TTC-28.2 when working along Reynolds Road.

Phase 4

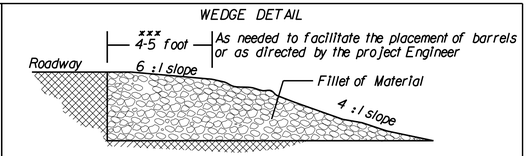
Place the final pavement markings using applicable VWAPM Temporary Traffic Controls as needed.

SIGN LEGEND

XXX
XXXXXXXXXX — Denotes proposed sign to be installed

XXX
XXXXXXXXXX — Denotes existing sign or proposed sign installed in previous phase.

WEDGE DETAIL



xxx Note: 4-5 feet of additional space for Channelizing Devices at minimum 6:1 slope. Material could consist of pavement, aggregate or compacted earth.

PROJECT	SHEET NO.
0669-046-682	IG(2)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

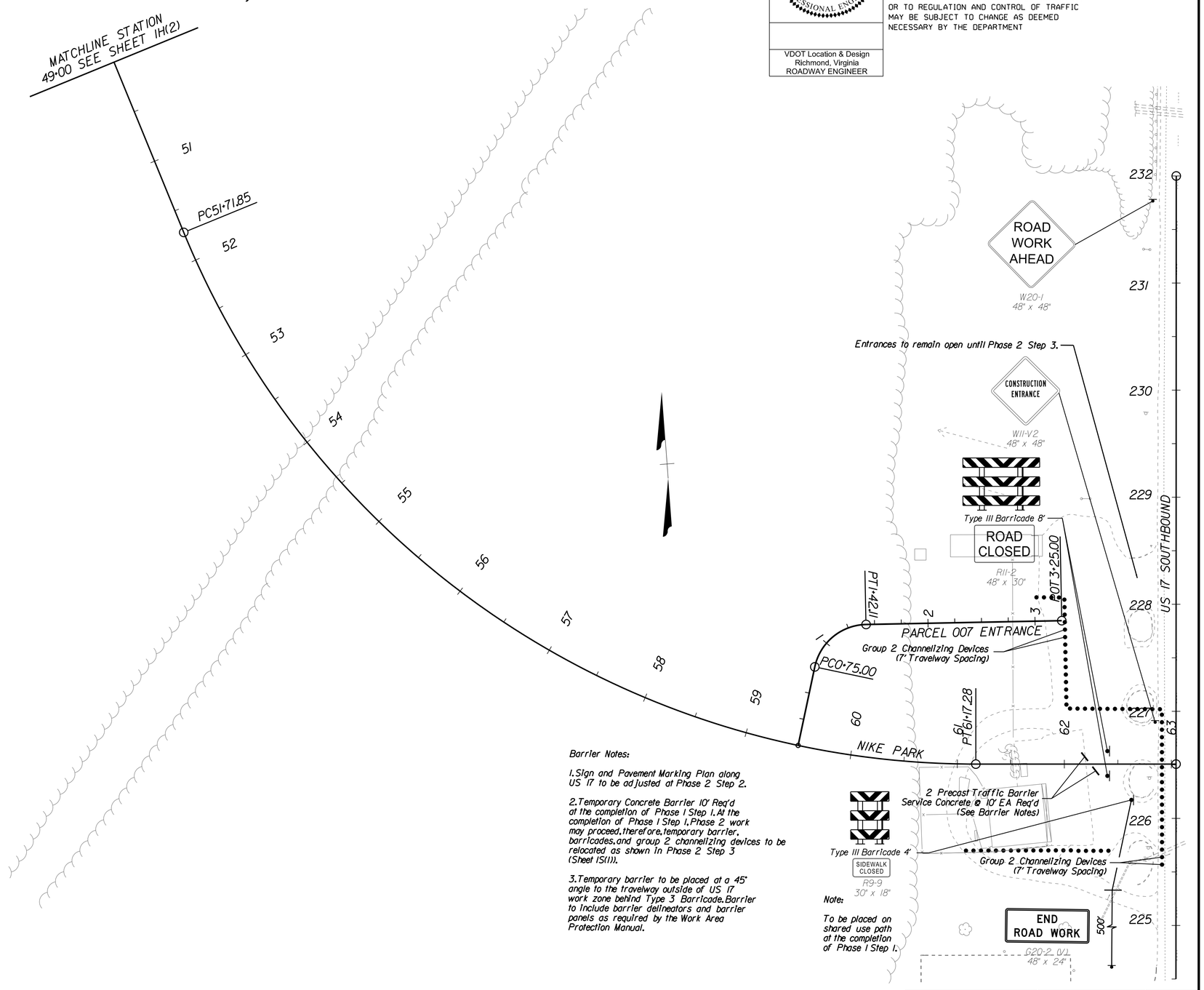
SIGN & PAVEMENT MARKING PLAN
PHASE 1, STEPS 1 - 4

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	1H(1)

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



Barrier Notes:

1. Sign and Pavement Marking Plan along US 17 to be adjusted at Phase 2 Step 2.

2. Temporary Concrete Barrier 10' Req'd at the completion of Phase 1 Step 1. At the completion of Phase 1 Step 1, Phase 2 work may proceed, therefore, temporary barrier, barricades, and group 2 channelizing devices to be relocated as shown in Phase 2 Step 3 (Sheet 1S(1)).

3. Temporary barrier to be placed at a 45° angle to the travelway outside of US 17 work zone behind Type 3 Barricade. Barrier to include barrier delineators and barrier panels as required by the Work Area Protection Manual.

Note:

To be placed on shared use path at the completion of Phase 1 Step 1.

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	1H(1)

PROJECT MANAGER _ Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)
SURVEYED BY, DATE _ Rice Associates (757) 306-4260, 1/1/17
DESIGN BY _ Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17

SIGN & PAVEMENT MARKING PLAN
PHASE 1, STEPS 1 - 4

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	IH(2)

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

MATCHLINE STATION 31+00 SEE SHEET IH(3)

32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

PC 37+28.54

PT 46+66.79

DANGER OVERHEAD POWER LINES
SPECIAL 48" X 48"
Sign required in Phase I Step 2

DANGER OVERHEAD POWER LINES
SPECIAL 48" X 48"
Sign required in Phase I Step 2

MATCHLINE STATION 49+00 SEE SHEET IH(1)

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IH(2)

PROJECT MANAGER _Wali Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _

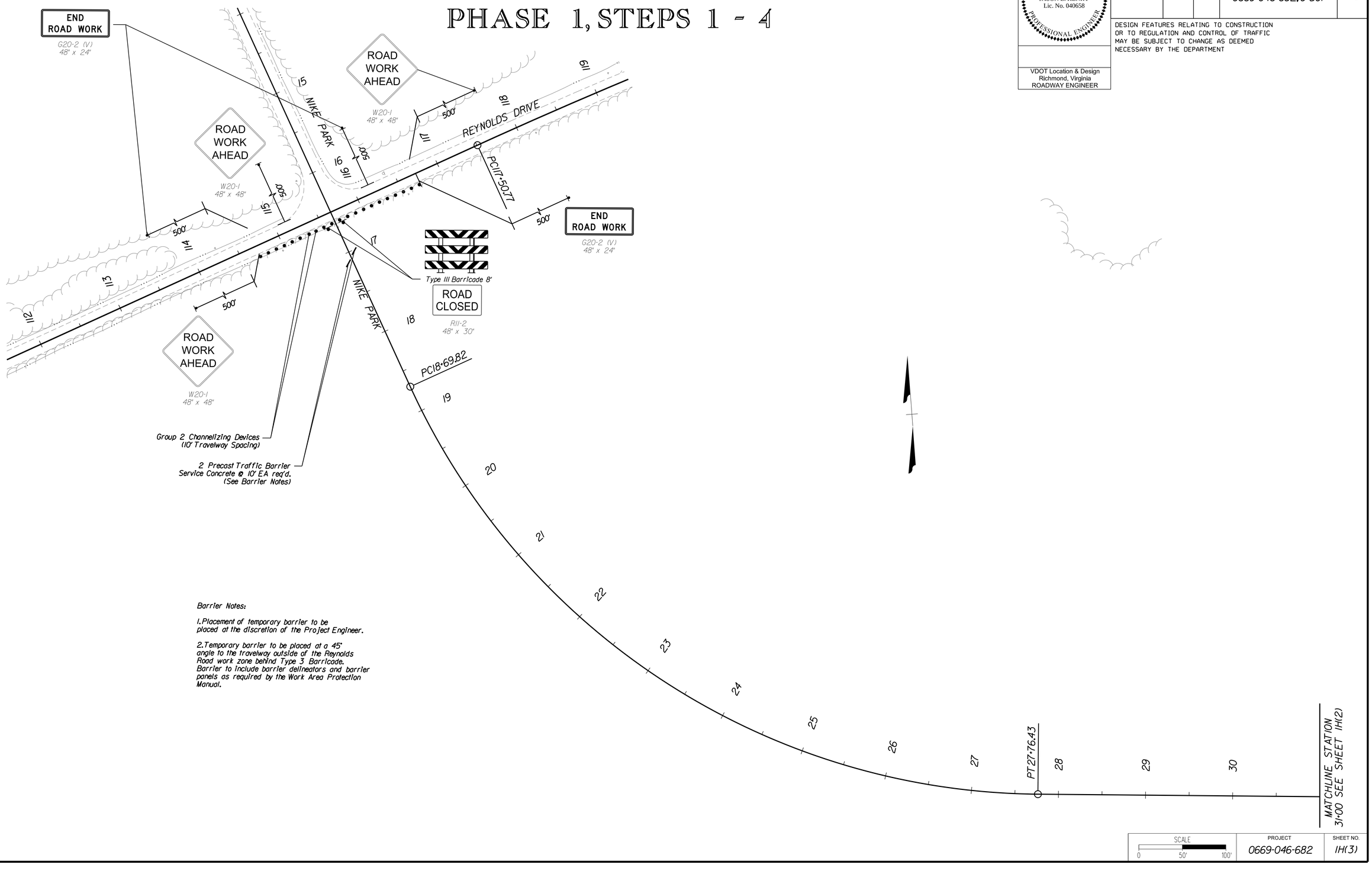
SIGN & PAVEMENT MARKING PLAN
PHASE 1, STEPS 1 - 4

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
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VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



Barrier Notes:

1. Placement of temporary barrier to be placed at the discretion of the Project Engineer.

2. Temporary barrier to be placed at a 45° angle to the travelway outside of the Reynolds Road work zone behind Type 3 Barricade. Barrier to include barrier delineators and barrier panels as required by the Work Area Protection Manual.

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IH(3)

PROJECT MANAGER _Wall Zaman,P.E.(757) 956-3272 (Hampton Rds.District)_____
SURVEYED BY, DATE _Rice Associates (757) 306-4260,1/1/17_____
DESIGN BY Paul Sarahan (804) 786-4457 (Central Office)_____
SUBSURFACE UTILITY BY, DATE _Rice Associates (757) 306-4260,1/1/17_____

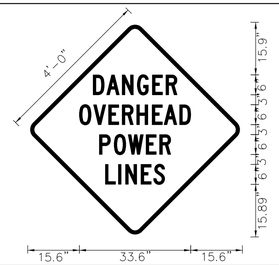
COMMONWEALTH OF VIRGINIA
PAUL TIMOTHY SARAHAN
Lic. No. 049369
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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

SIGN DETAIL



SIGN NUMBER	Special
WIDTH x HGHT.	4'-0" x 4'-0"
BORDER WIDTH	1.25"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Diamond work zone.ssl
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

| | | | | |

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

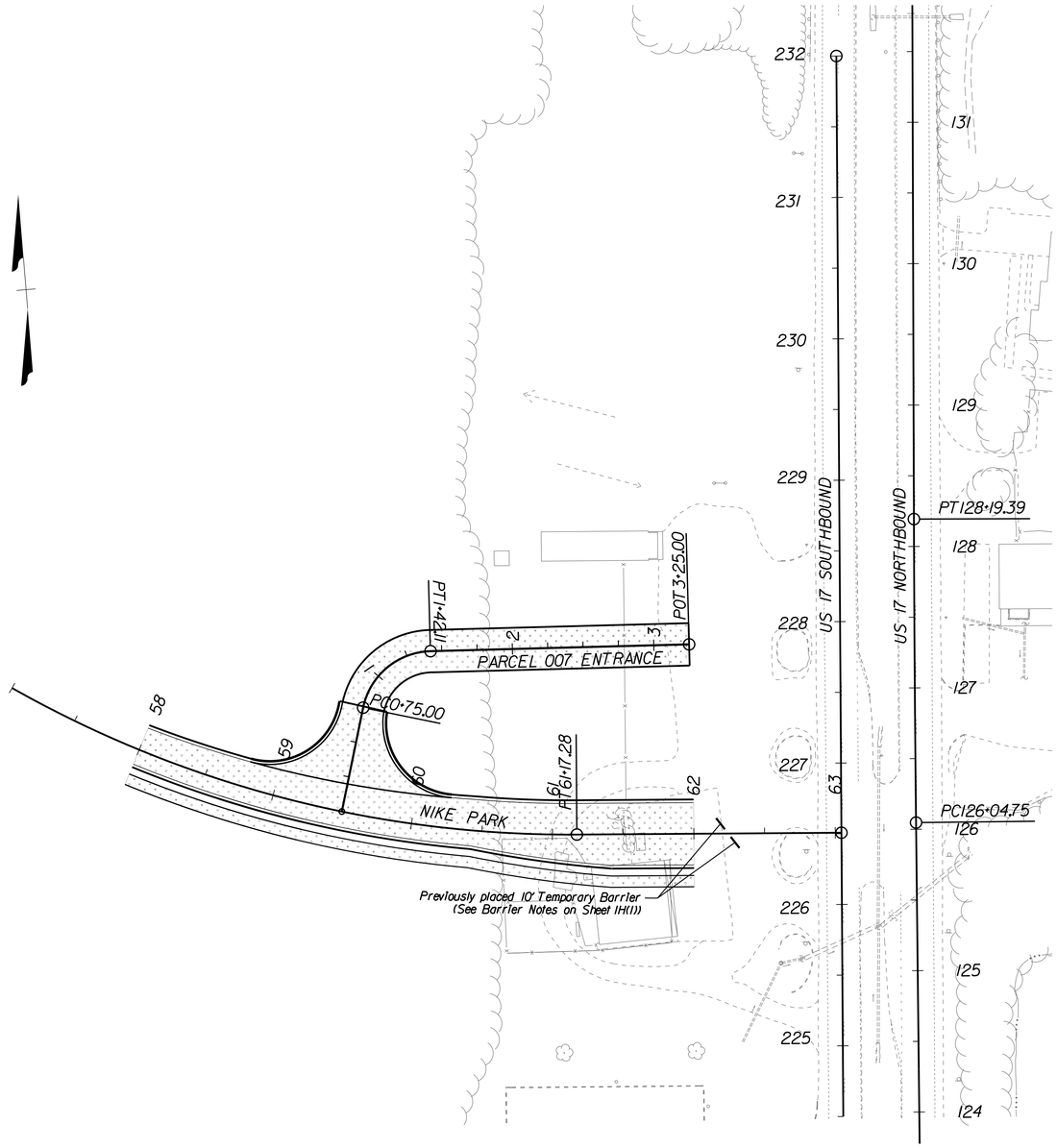
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 1

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	11

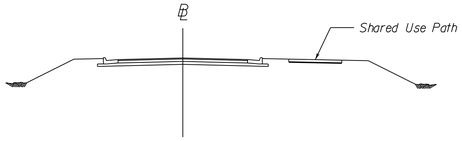
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



LEGEND

NIKE PARK

Denotes areas of proposed construction to include full pavement section, curb and gutter and shared use path. See typical sections for material requirements.



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	11

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

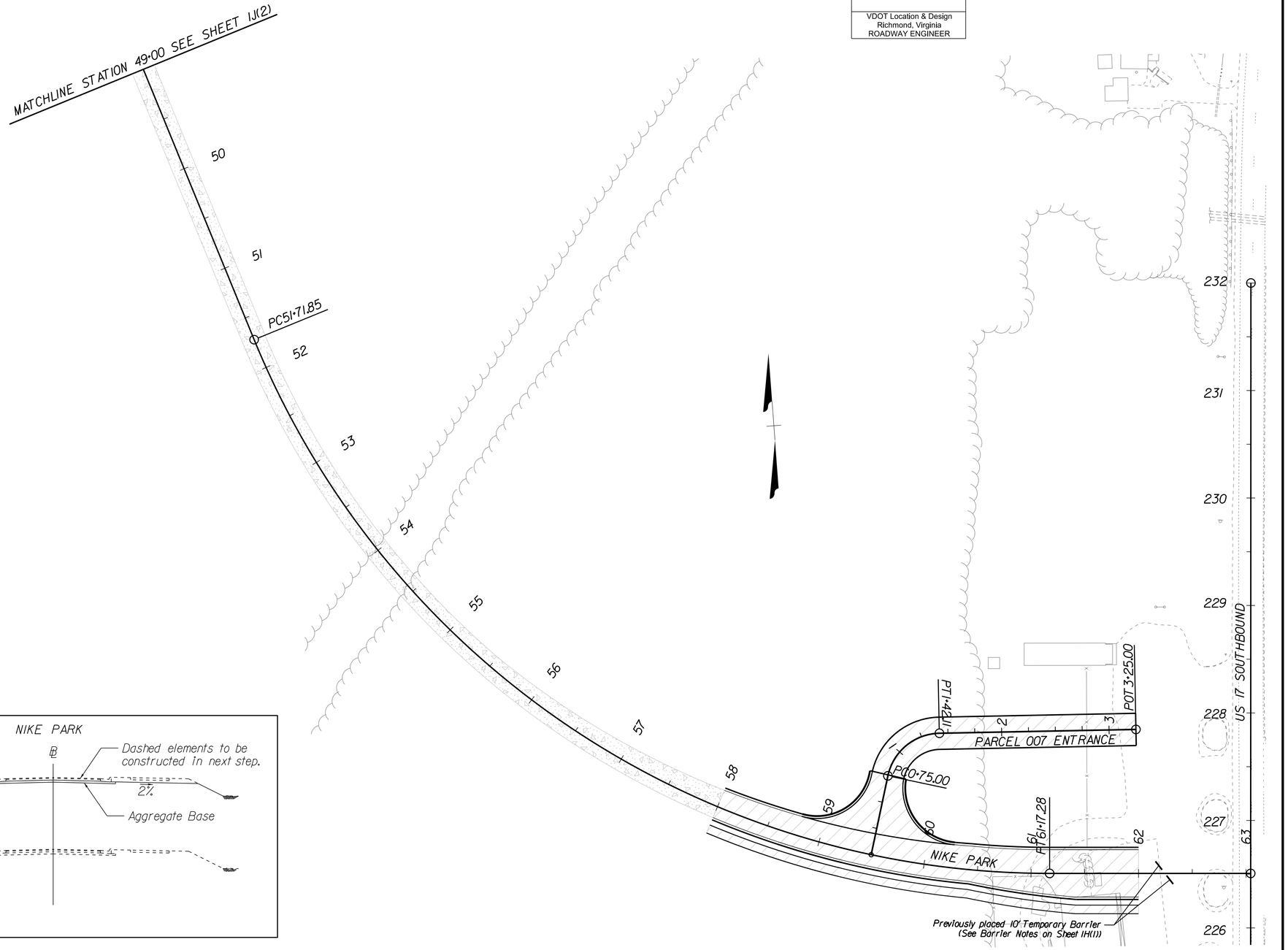
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 2

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	1J(1)

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



LEGEND

Denotes areas of proposed construction to 6 inch aggregate base and apply tack coat. Tie aggregate base material to proposed slopes at 2%. See typical sections for material requirements.

Denotes completed work

NIKE PARK

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	1J(1)

PROJECT MANAGER _Wali Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _ _

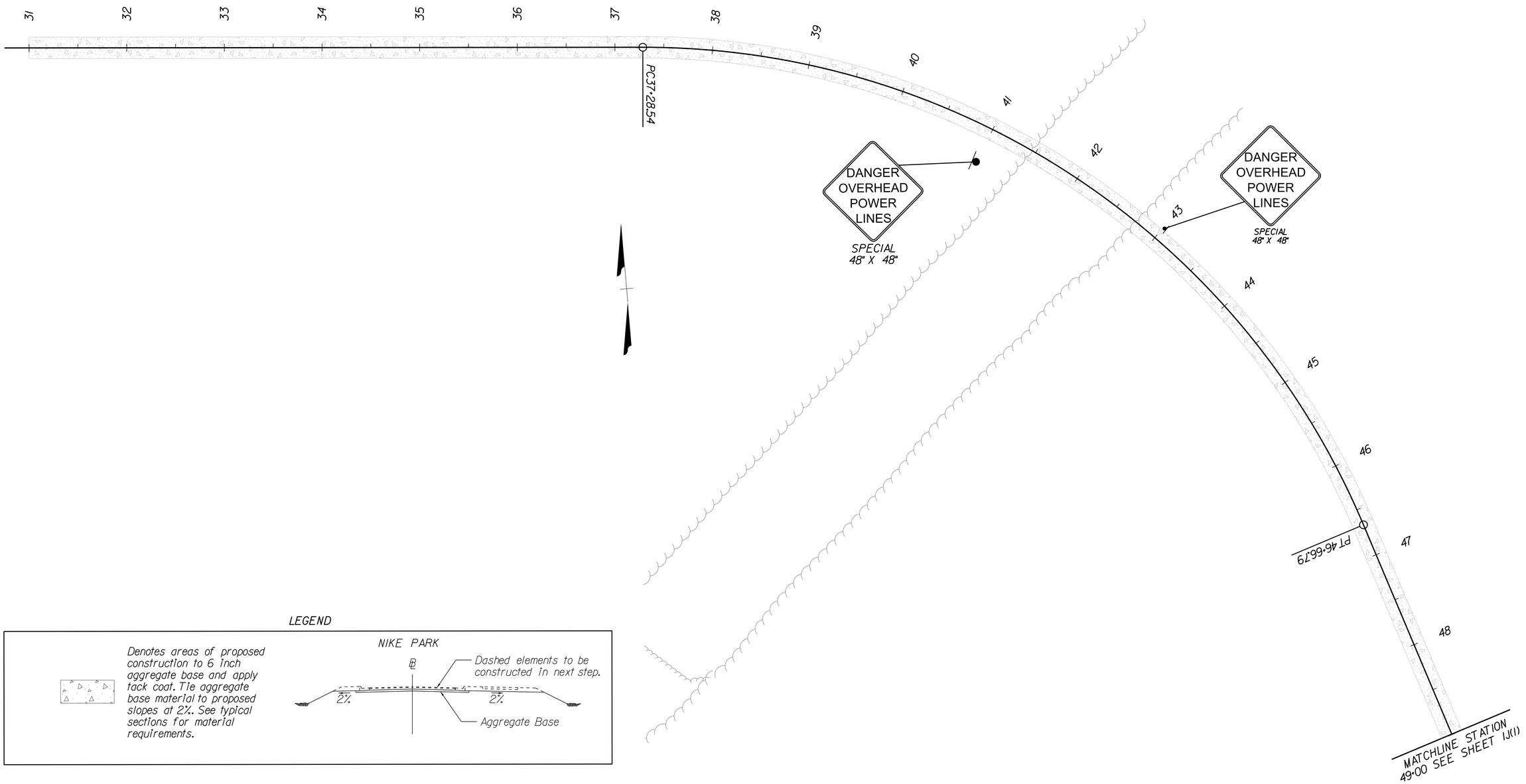
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 2

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	1J(2)

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



LEGEND

Denotes areas of proposed construction to 6 inch aggregate base and apply tack coat. Tie aggregate base material to proposed slopes at 2%. See typical sections for material requirements.

NIKE PARK

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	1J(2)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _

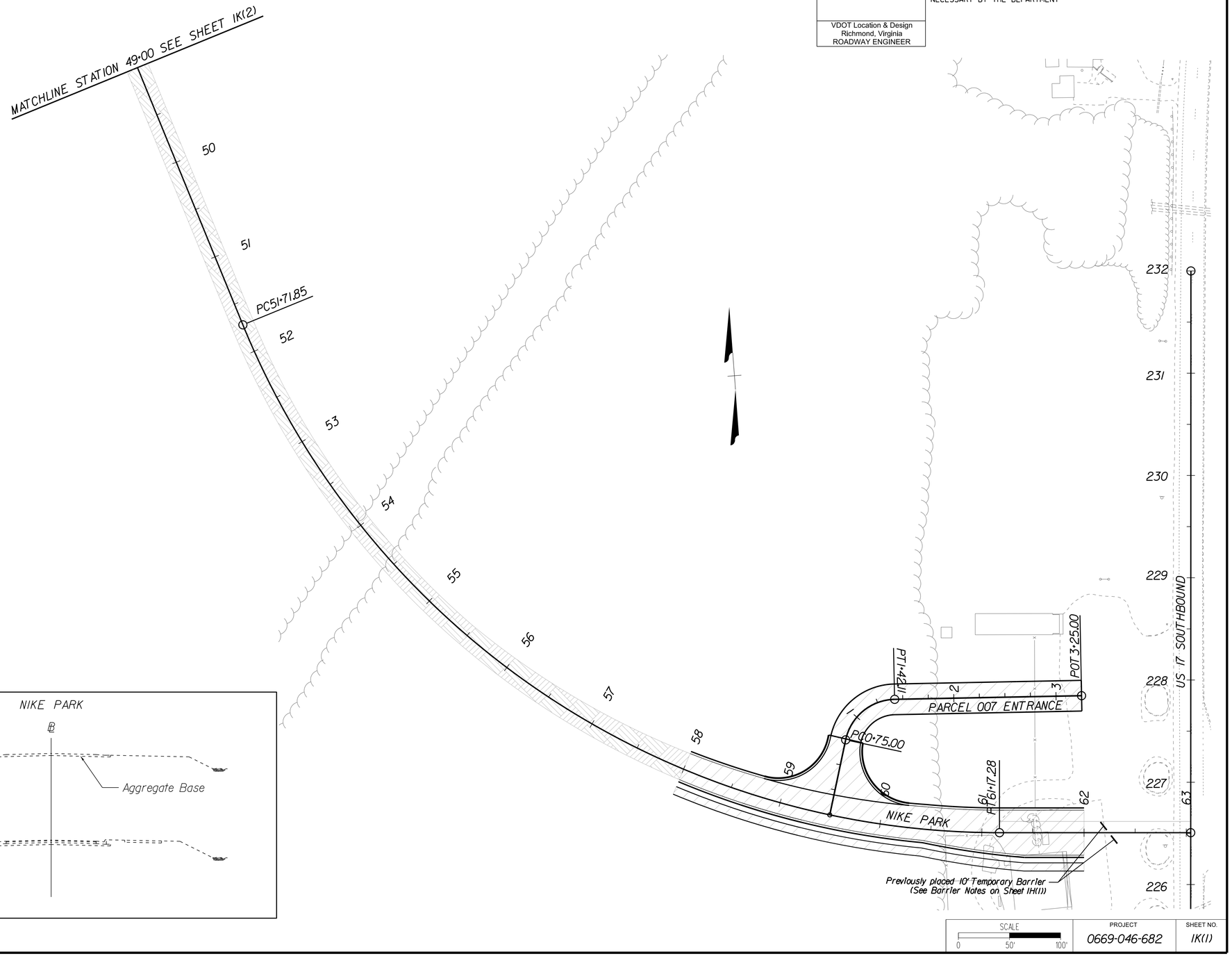
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 3

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



LEGEND

NIKE PARK

Denotes previous construction to 6 inch aggregate base.

Aggregate Base

Denotes completed work.

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IK(1)

PROJECT MANAGER _ Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)
SURVEYED BY, DATE _ Rice Associates (757) 306-4260, 1/1/17
DESIGN BY _ Jason Henry, P.E. (804) 786-5975 (Central Office)
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17

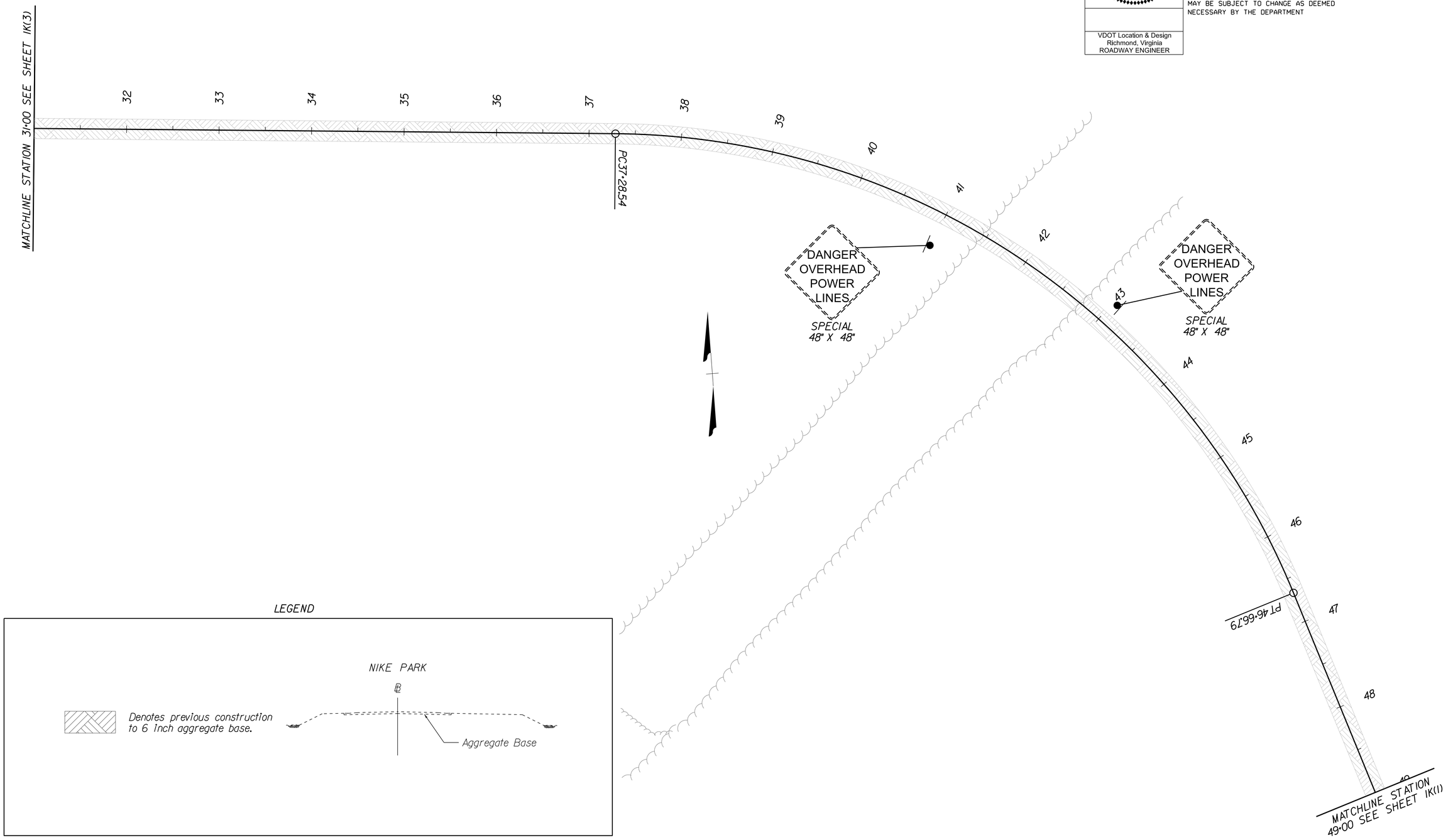
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 3

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	IK(2)

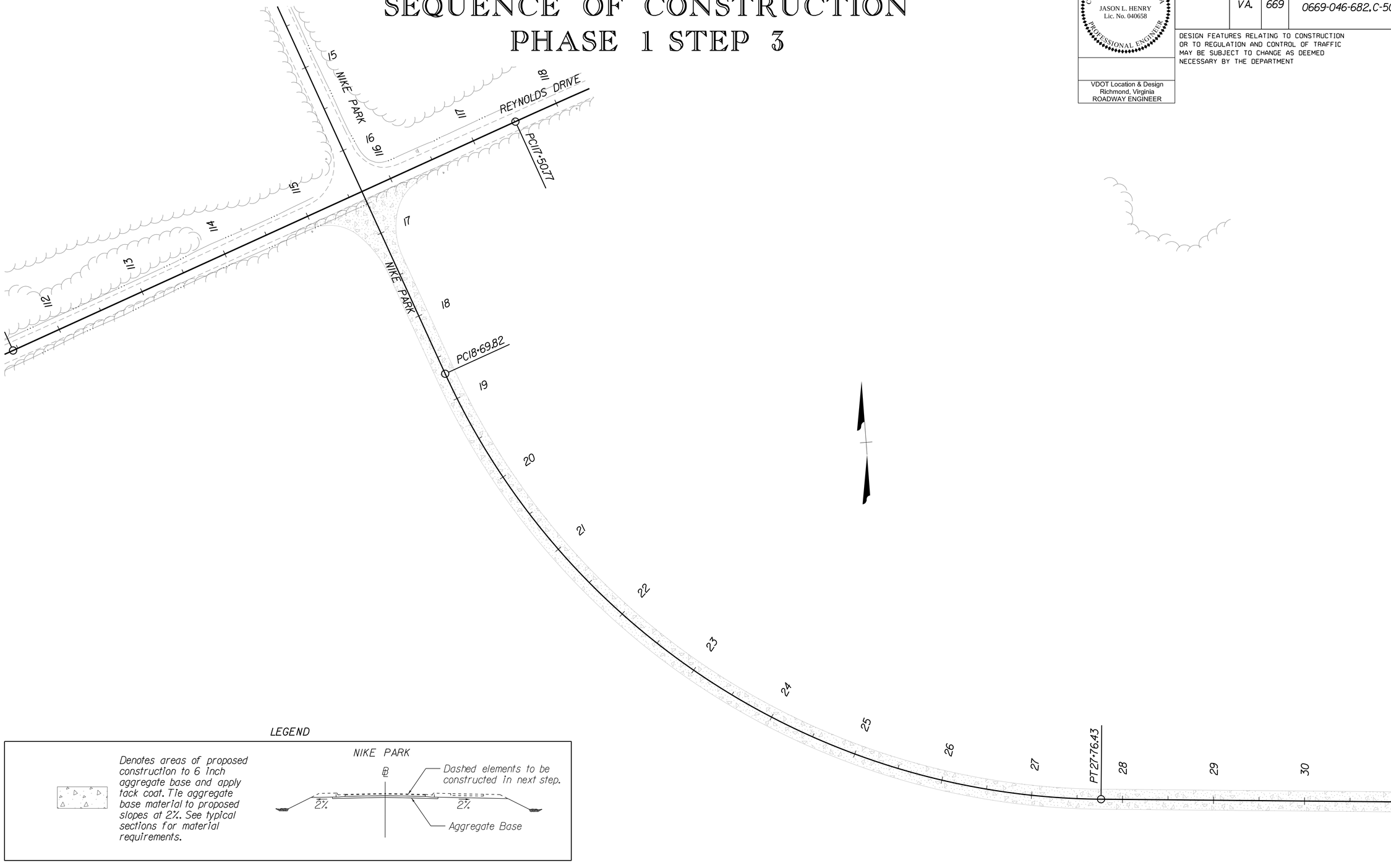
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IK(2)

PROJECT MANAGER _Wali Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 3



LEGEND

Denotes areas of proposed construction to 6 inch aggregate base and apply tack coat. Tie aggregate base material to proposed slopes at 2%. See typical sections for material requirements.

JASON L. HENRY
Lic. No. 040658
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IK(3)

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Plotted By: vdotpwlllcs01$

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _

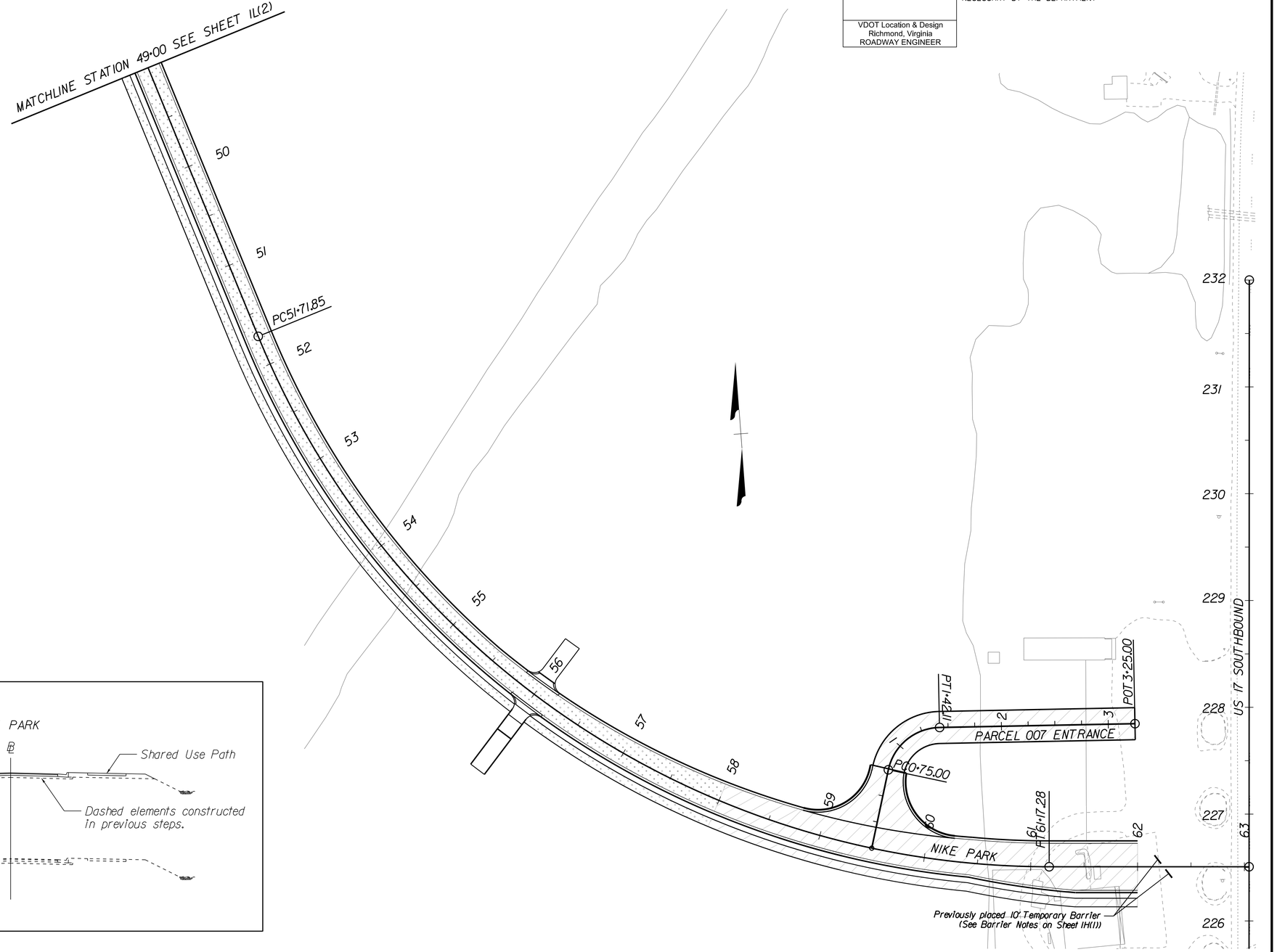
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 4

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



LEGEND

Denotes areas of proposed construction. Construct curb and gutter, apply tack coat and construct base mix and surface mix. See typical sections for material requirements.

Denotes completed work.

NIKE PARK

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IL(1)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

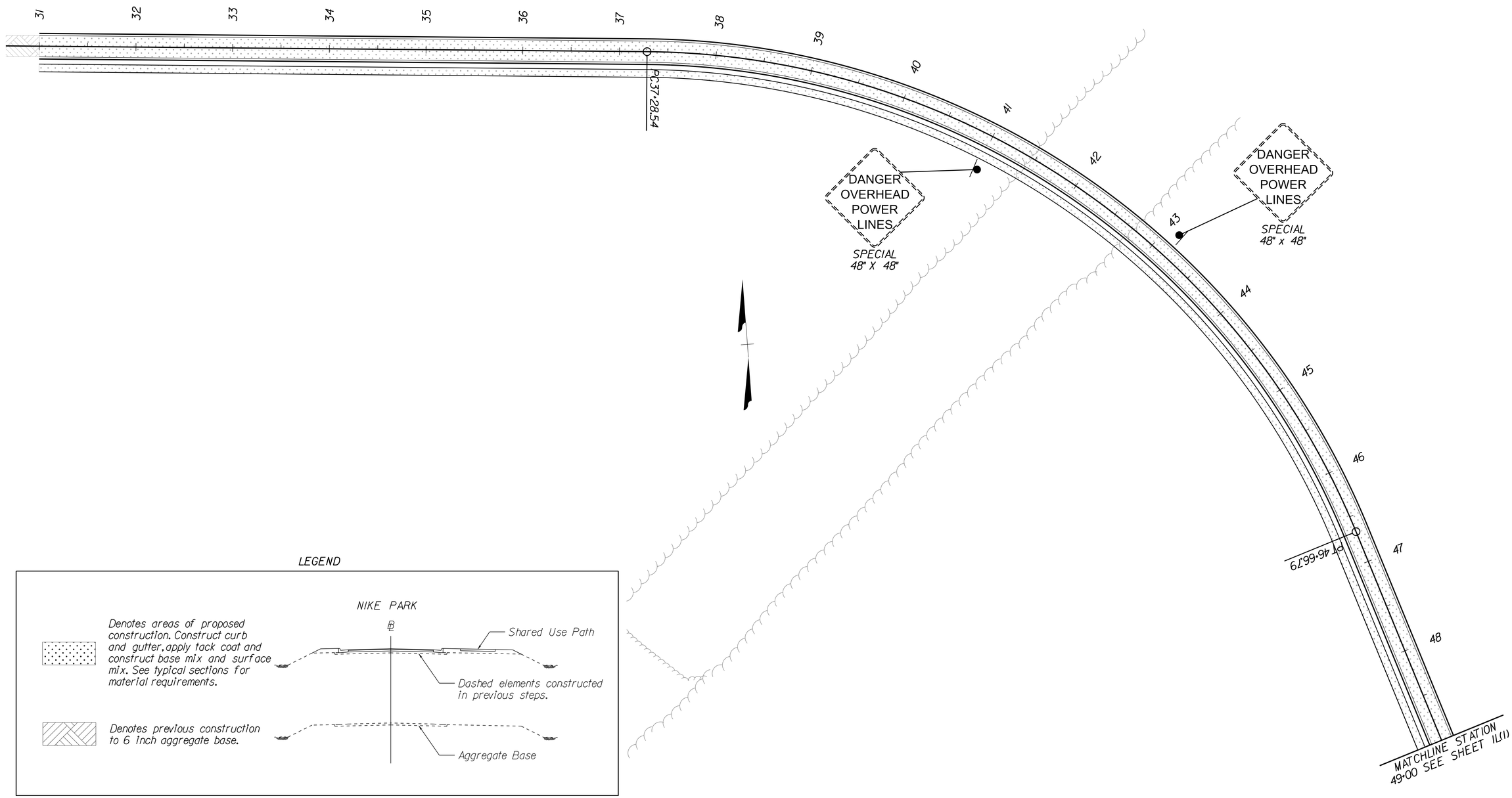
SEQUENCE OF CONSTRUCTION
PHASE 1 STEP 4

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



LEGEND

NIKE PARK

Denotes areas of proposed construction. Construct curb and gutter, apply tack coat and construct base mix and surface mix. See typical sections for material requirements.

Shared Use Path

Dashed elements constructed in previous steps.

Denotes previous construction to 6 inch aggregate base.

Aggregate Base

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IL(2)

PROJECT MANAGER _Walt Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

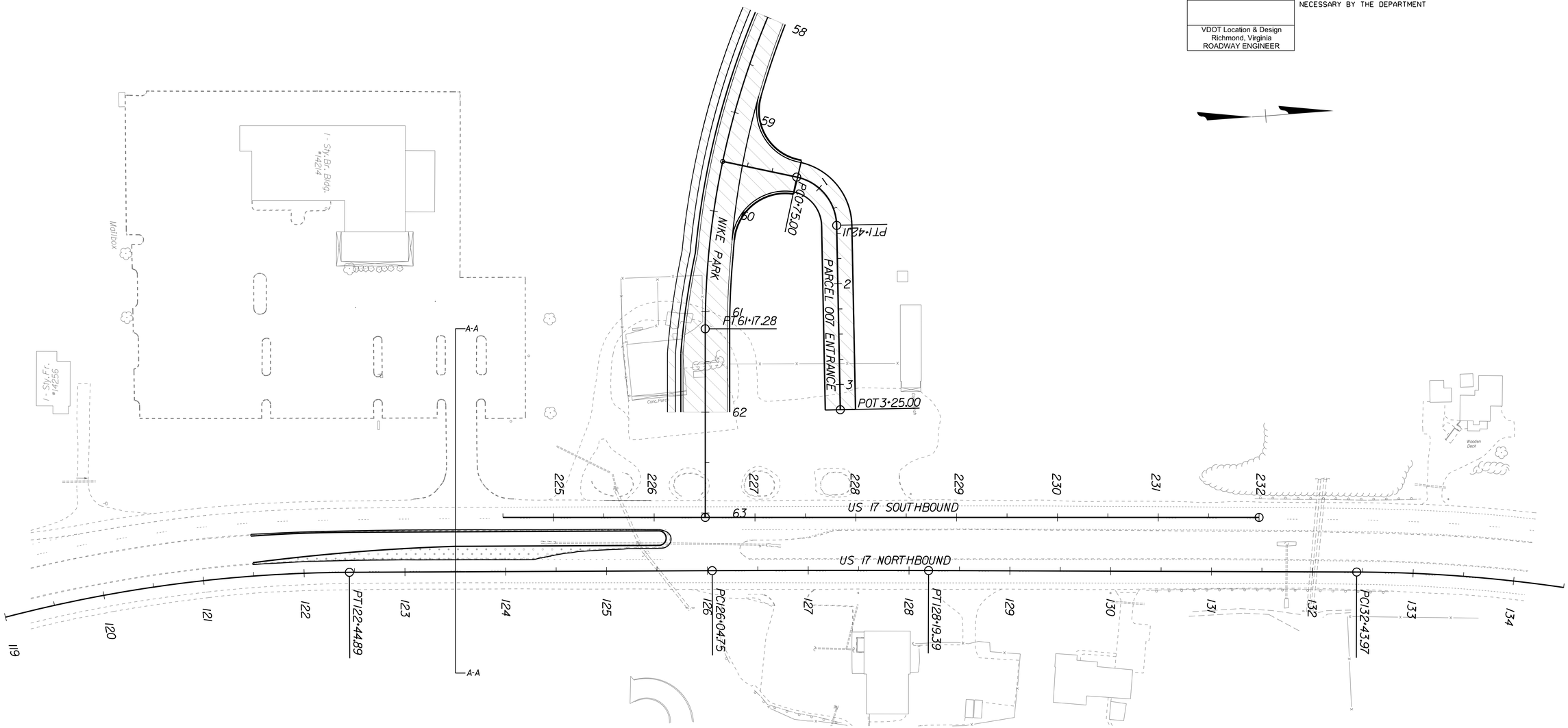
SEQUENCE OF CONSTRUCTION
PHASE 2 STEP 1

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

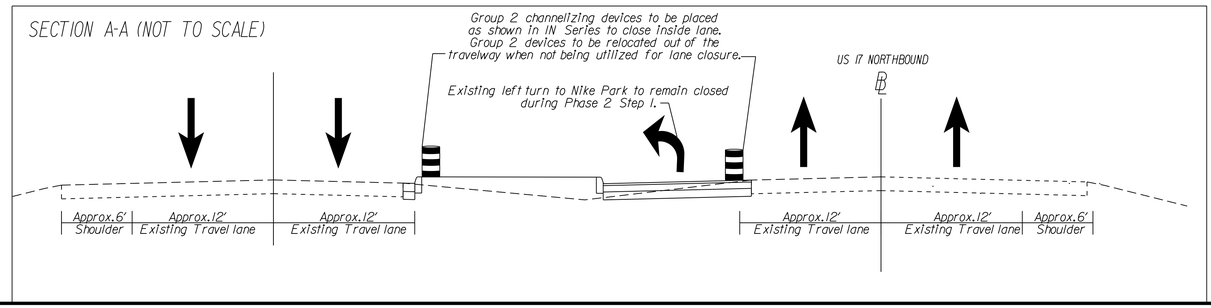
VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682, C501	IM

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



SECTION A-A (NOT TO SCALE)



Denotes completed work

Denotes areas of proposed construction

SCALE 0 50' 100'

PROJECT	SHEET NO.
0669-046-682	IM

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

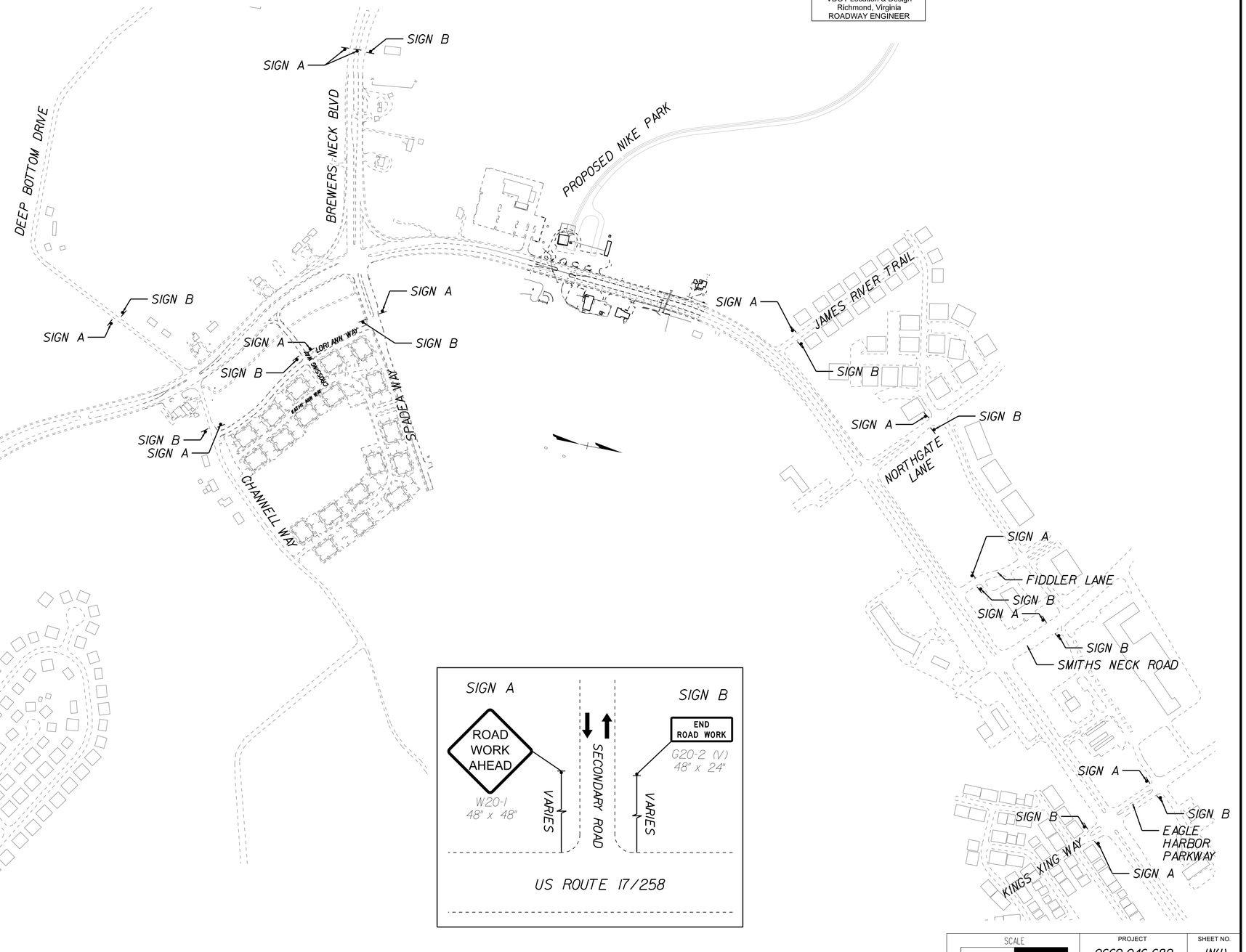
SIGN & PAVEMENT MARKING PLAN
PROJECT LIMITS SIGNAGE
PHASE 2, STEPS 1 - 3

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



SCALE	PROJECT	SHEET NO.
0 300' 600'	0669-046-682	IN(1)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _ _

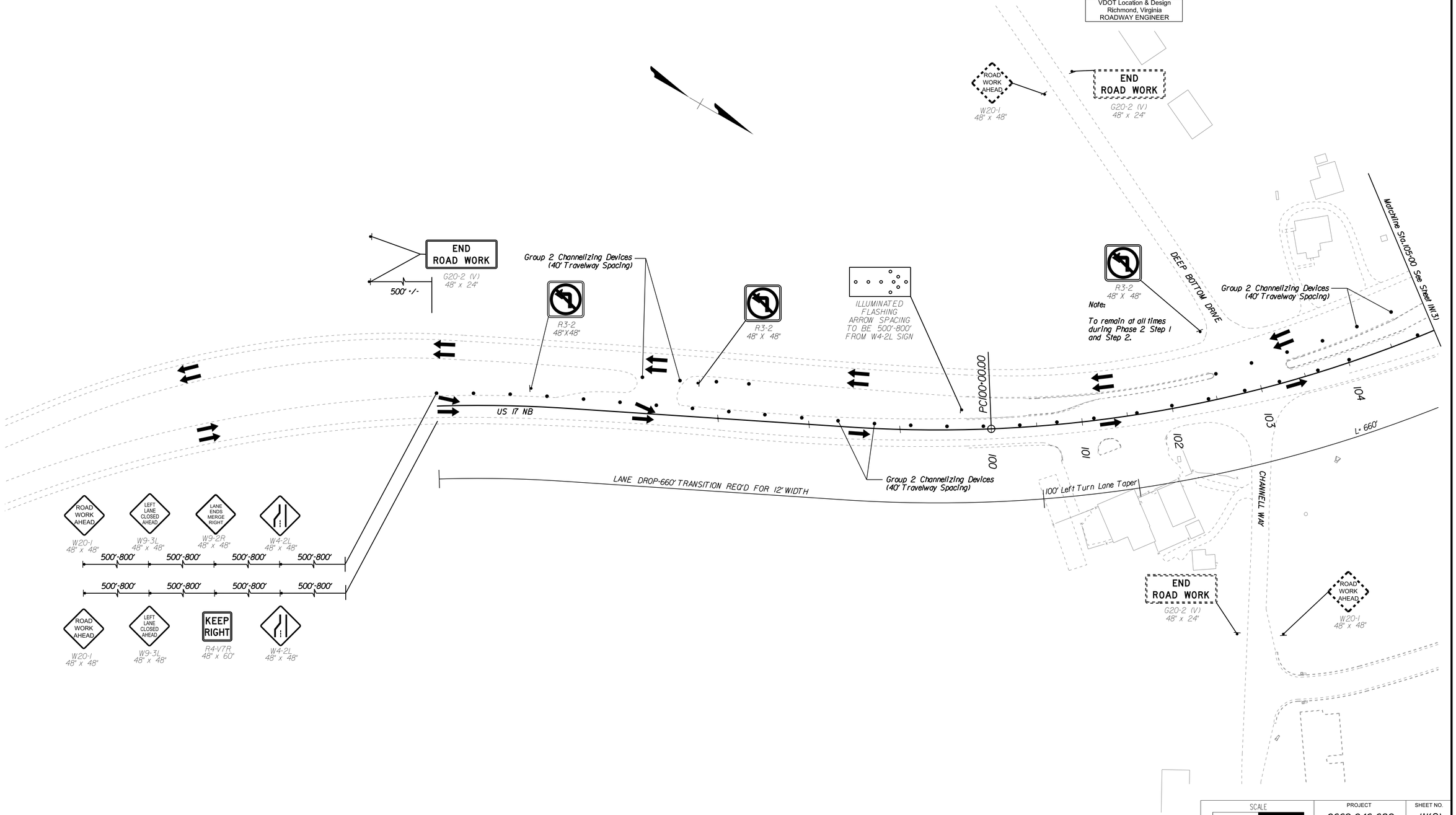
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 1

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IN(2)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

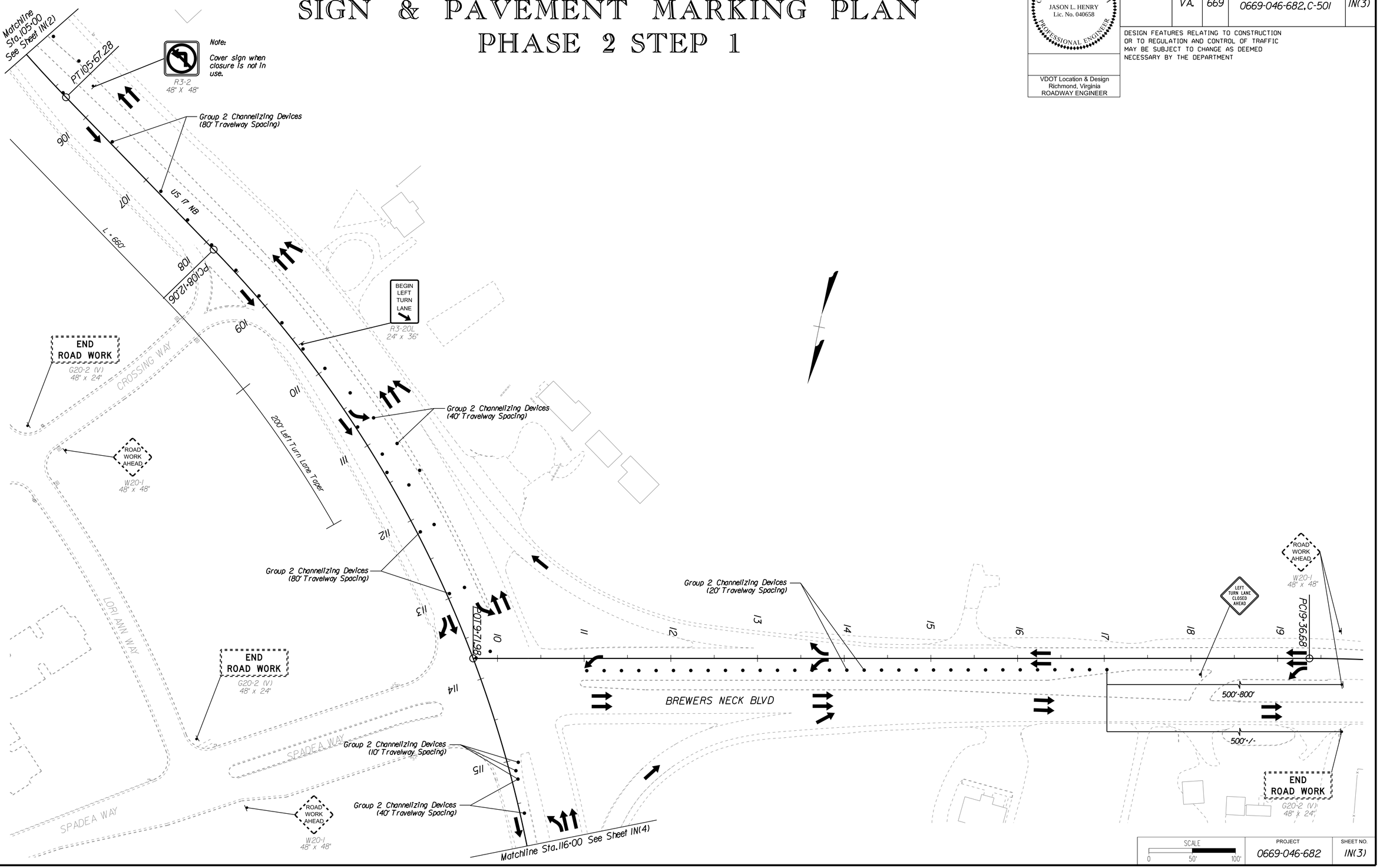
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 1

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IN(3)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _ _

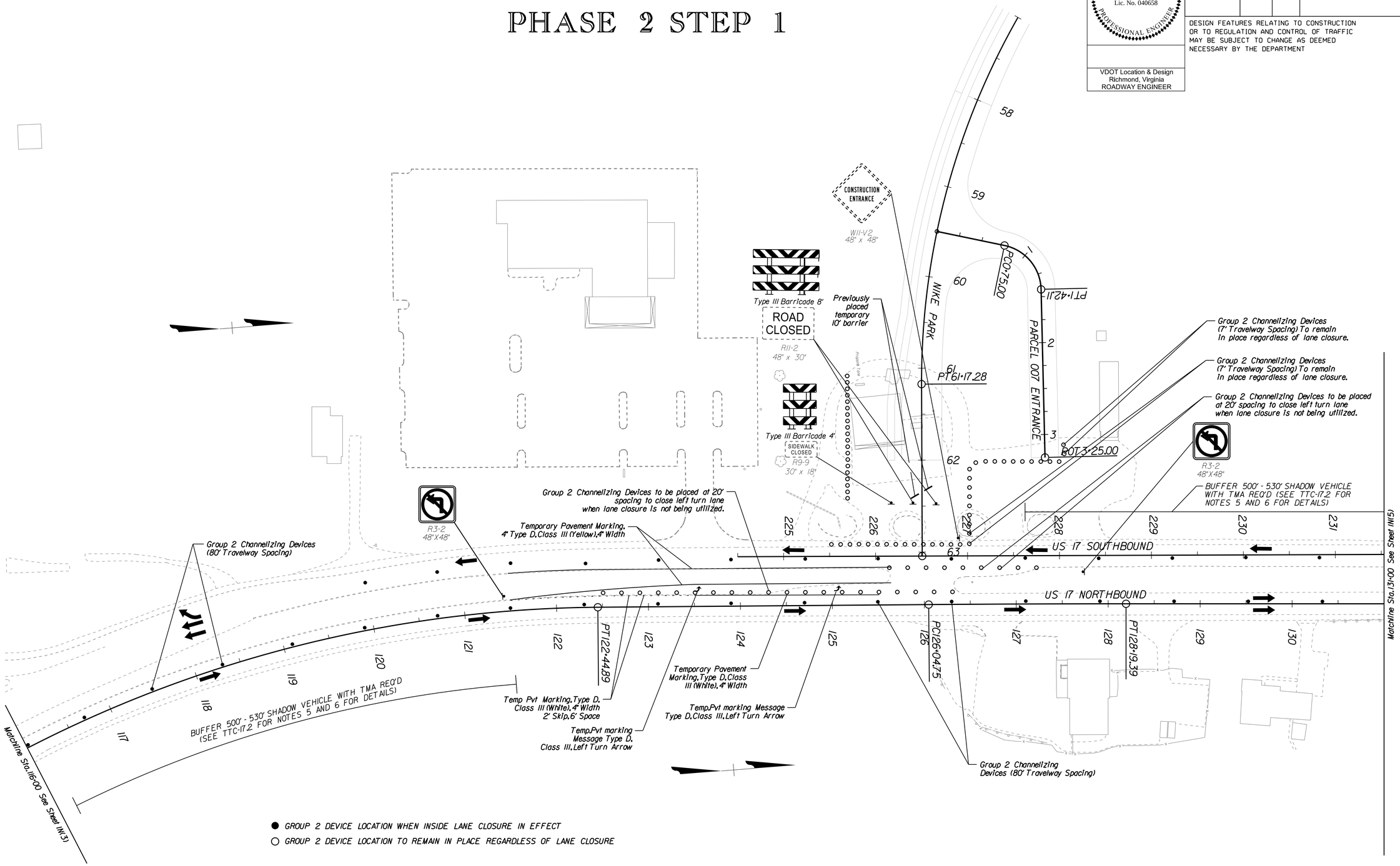
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 1

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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



● GROUP 2 DEVICE LOCATION WHEN INSIDE LANE CLOSURE IN EFFECT
○ GROUP 2 DEVICE LOCATION TO REMAIN IN PLACE REGARDLESS OF LANE CLOSURE

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IN(4)

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _

SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 1

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	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

ROAD WORK AHEAD
W20-1
48" x 48"

END ROAD WORK
G20-2 (V)
48" x 24"

W4-2L
48" x 48"

KEEP RIGHT
R4-V7R
48" x 60"

LEFT LANE CLOSED AHEAD
W9-3L
48" x 48"

ROAD WORK AHEAD
W20-1
48" x 48"

500'-800'

W4-2L
48" x 48"

LANE ENDS MERGE RIGHT
W9-2R
48" x 48"

LEFT LANE CLOSED AHEAD
W9-3L
48" x 48"

ROAD WORK AHEAD
W20-1
48" x 48"

JAMES RIVER TRAIL

LANE DROP - 660' TRANSITION REQ'D FOR 12' WIDTH

Group 2 Channelizing Devices
(40' Travelway Spacing)

US 17 NB

POT 143+83.18

PT 142+12.96

ILLUMINATED FLASHING ARROW SPACING TO BE 500'-800' FROM W4-2L SIGN

P32

PC 132+43.97

132

133

134

135

136

137

138

139

140

141

142

143

Matchline Sta. 131+00 See Sheet IN(4)

END ROAD WORK
G20-2 (V)
48" x 24"

SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IN(5)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260, 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260, 1/1/17 _ _ _

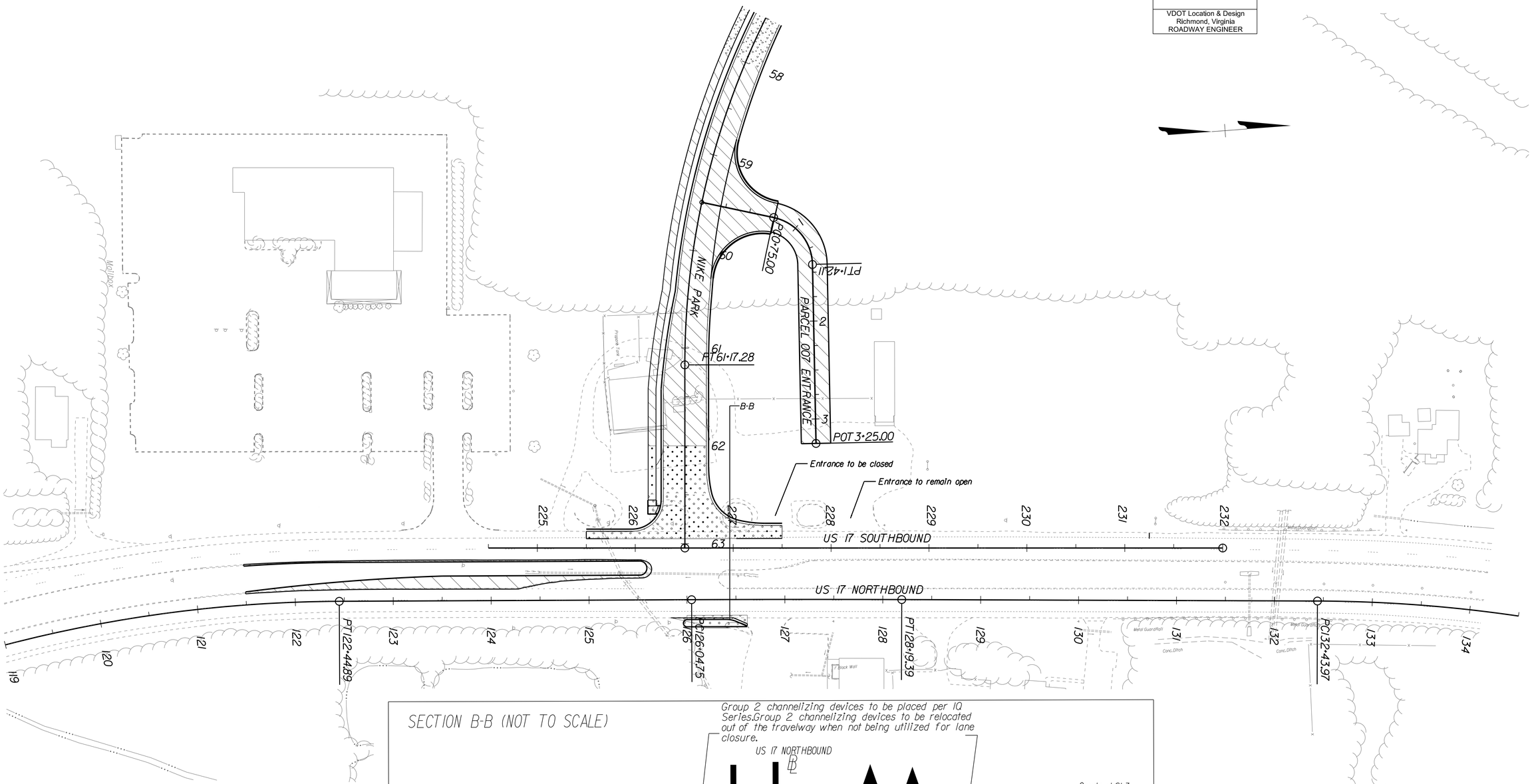
SEQUENCE OF CONSTRUCTION
PHASE 2 STEP 2

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

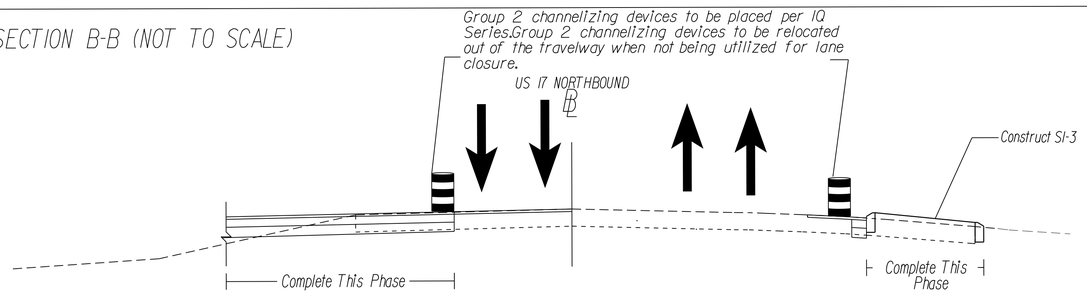
VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C501	IP

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



SECTION B-B (NOT TO SCALE)



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IP

PROJECT MANAGER _Wail Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _ _

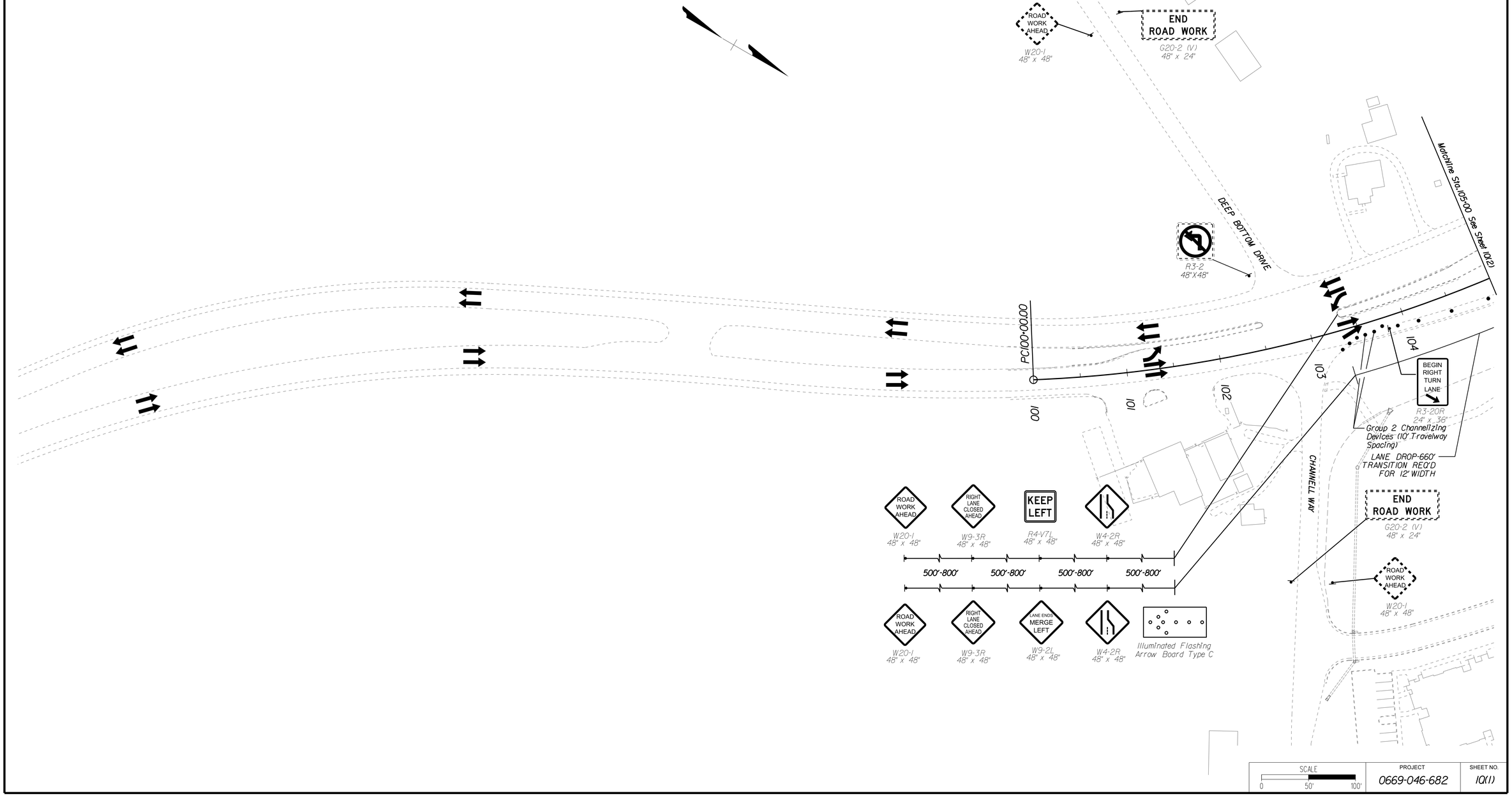
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 2

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	IQ(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	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IQ(1)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
SURVEYED BY, DATE _Rice Associates (757) 306-4260 1/1/17_ _ _ _ _ _ _ _ _
DESIGN BY _Jason Henry, P.E. (804) 786-5975 (Central Office)_ _ _ _ _ _ _ _ _
SUBSURFACE UTILITY BY, DATE _ Rice Associates (757) 306-4260 1/1/17 _ _

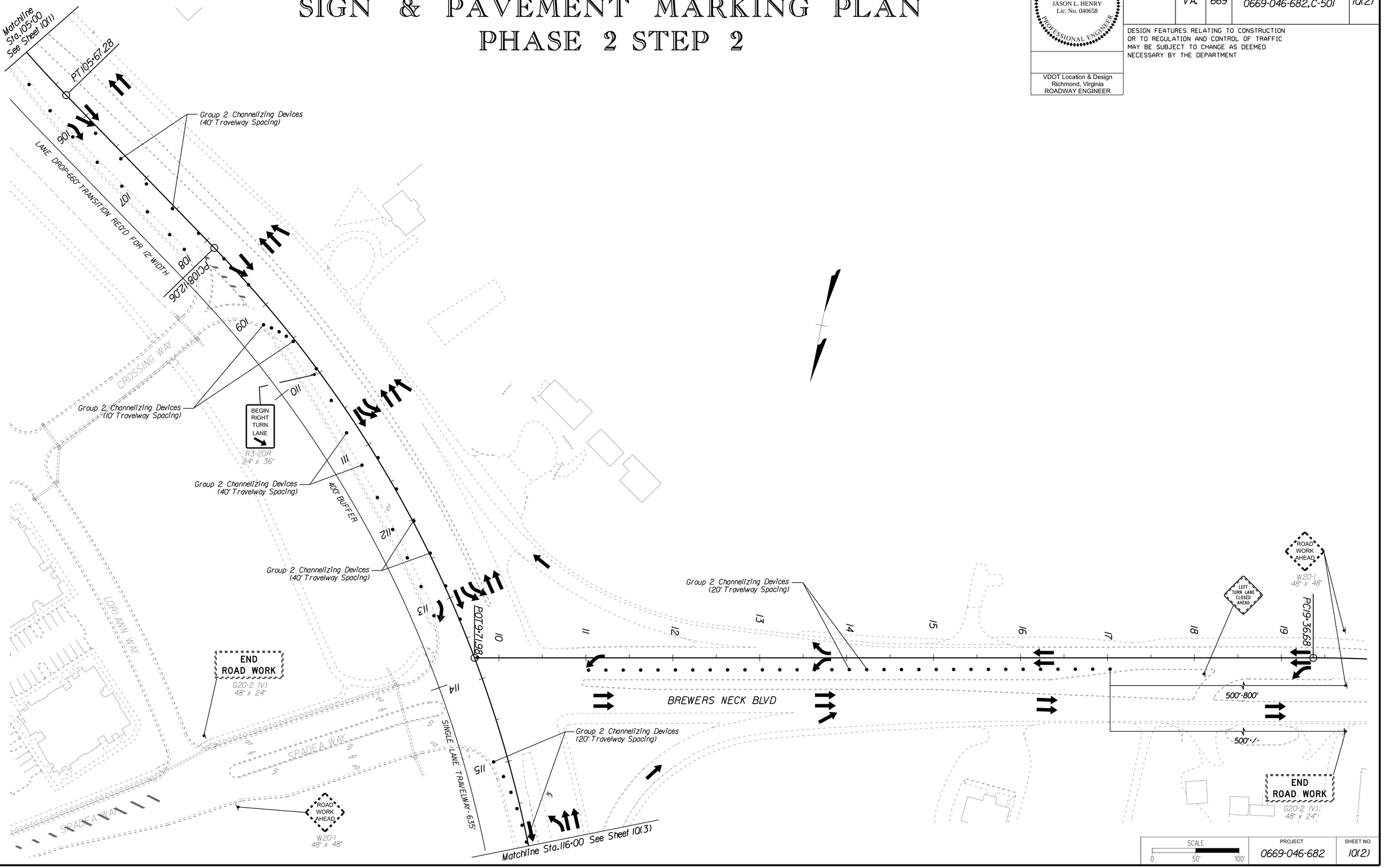
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 2

COMMONWEALTH OF VIRGINIA
JASON L. HENRY
Lic. No. 040658
PROFESSIONAL ENGINEER

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	101(2)

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



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	101(2)

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
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SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 2

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	10(3)

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

Barrier Notes:

Temporary barrier to be placed at a 45° angle to the travelway outside of US 17 work zone behind Type 3 Barricade. Barrier to include barrier delineators and barrier panels as required by the Work Area Protection Manual.

Type III Barricade 4'
SIDEWALK CLOSED
R9-9
30" x 18"

Type III Barricade 8'
ROAD CLOSED
R11-2
48" x 30"

10' Temporary Barrier Req'd (See Barrier Notes)

Temporary Pavement Marking, Type D, Class III (Yellow), 4" Width

Temporary Pvt Marking, Type D, Class III (White), 4" Width 2' Skip, 6' Space

PCO 75+00

PT 1+42.11

Temp. Pvt Marking Message Type D, Class III, Left Turn Arrow (Typ.)

Temp. Pvt Marking Message Type D, Class III, Right Turn Arrow (Typ.)

PT 61+17.28

PARCEL 007 ENTRANCE

CONSTRUCTION ENTRANCE

W11-V2
48" x 48"

EOT 3+25.00

BUFFER 500' - 530' SHADOW VEHICLE WITH TMA REQ'D (SEE TTC-16.2 FOR NOTES 5 AND 6 FOR DETAILS)

Group 2 Channelizing Devices (7' Travelway Spacing) To remain in place regardless of lane closure.

Temporary Pavement Marking, Type D, Class III, 24" Width

Group 2 Channelizing Devices to be placed at 20' spacing to close left turn lane when lane closure is not being utilized.

Temporary Pavement Marking, Type D, Class III (White), 4" Width

Temporary Pavement Marking, Type D, Class III, 24" Width

Temporary Pavement Marking, Type D, Class III, 4" Width, 10' Skip, 30' Space

Group 2 Channelizing Devices (7' Travelway Spacing)

END ROAD WORK
G20-2 (V)
48" x 24"

R3-2
48"X48"

Group 2 Channelizing Devices to be placed at 20' spacing to close left turn lane when lane closure is not being utilized.

Existing Temp. Pavement Marking Message

US 17 SOUTHBOUND

US 17 NORTHBOUND

Group 2 Channelizing Devices (80' Travelway Spacing)

Existing Temp. Pavement Marking

PT 122+44.89

BUFFER 500' - 530' SHADOW VEHICLE WITH TMA REQ'D (SEE TTC-16.2 FOR NOTES 5 AND 6 FOR DETAILS)

Temporary Pavement Marking, Type D, Class III (White), 4" Width

Temporary Pavement Marking, Type D, Class III, 24" Width

Group 2 Channelizing Devices (80' Travelway Spacing)

PT 126+04.75

PT 128+19.39

Temporary Pavement Marking, Type D, Class III, 4" Width, 10' Skip, 30' Space

SINGLE LANE TRAVELWAY - 635'

Matchline Sta. 116+00 See Sheet 10(2)

Matchline Sta. 131+50 See Sheet 10(4)

● GROUP 2 DEVICE LOCATION WHEN INSIDE LANE CLOSURE IN EFFECT
○ GROUP 2 DEVICE LOCATION TO REMAIN IN PLACE REGARDLESS OF LANE CLOSURE

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0 50' 100'	0669-046-682	10(3)

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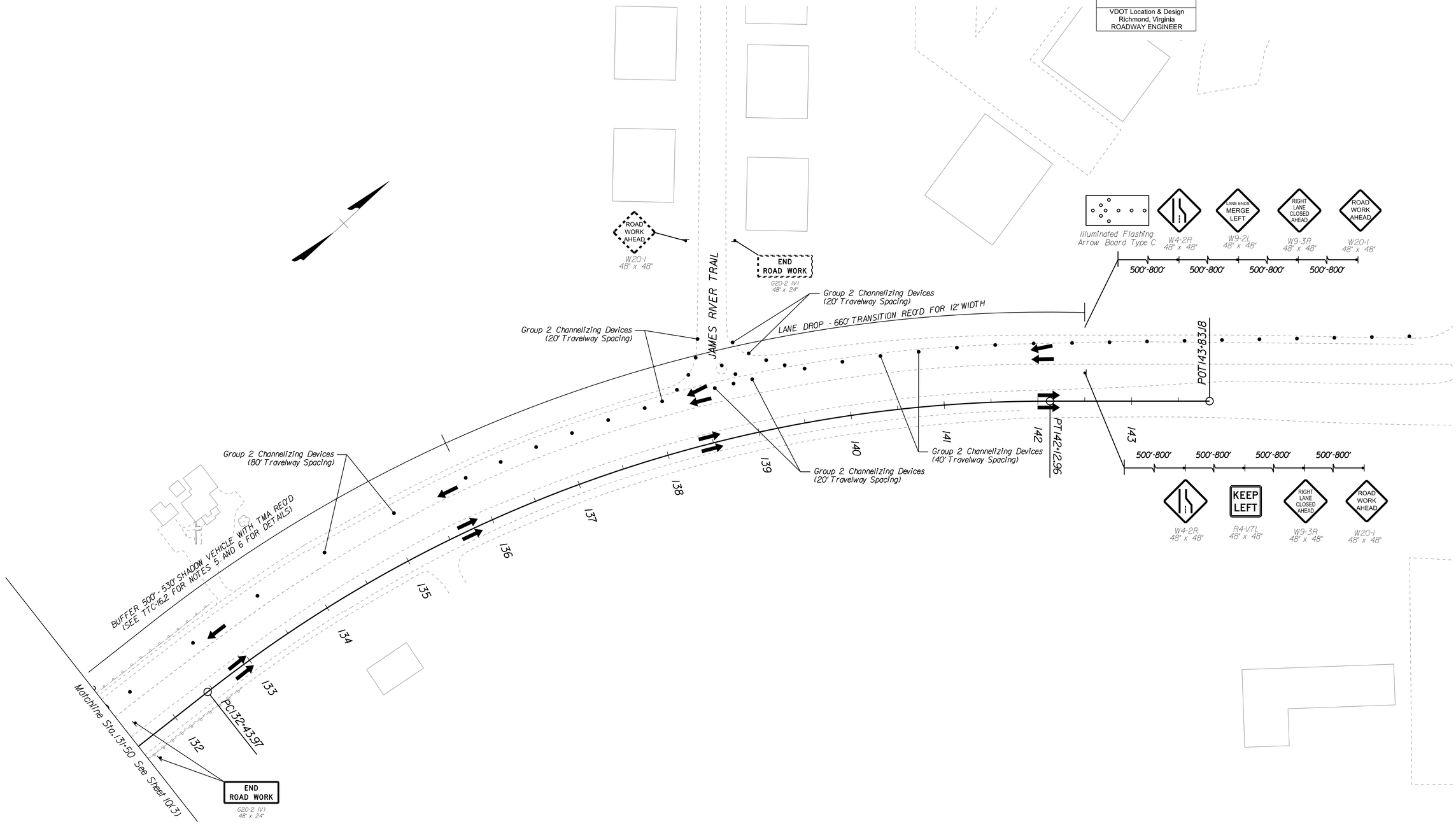
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 2

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JASON L. HENRY
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Richmond, Virginia
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	101(4)

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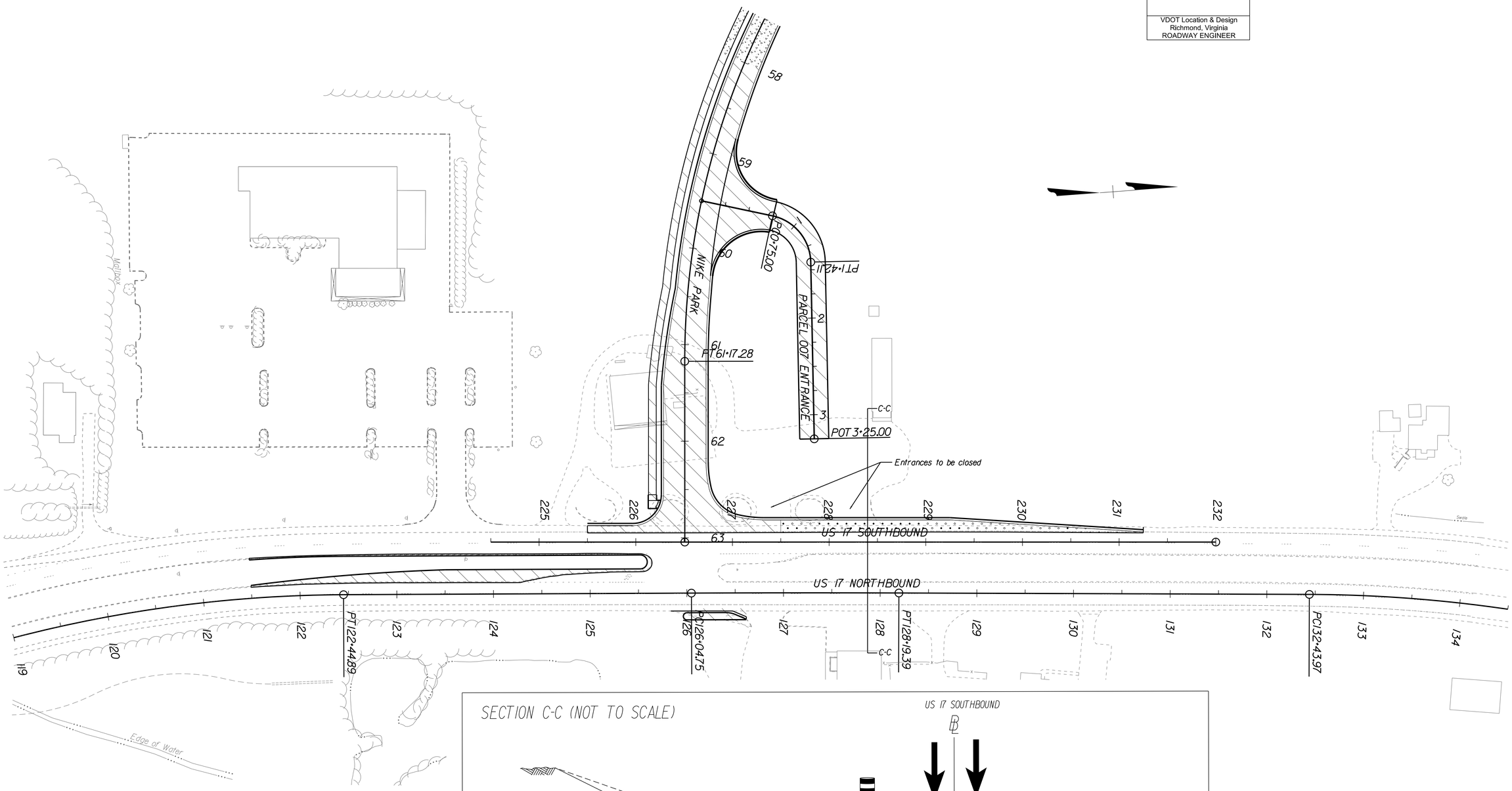
SEQUENCE OF CONSTRUCTION
PHASE 2 STEP 3

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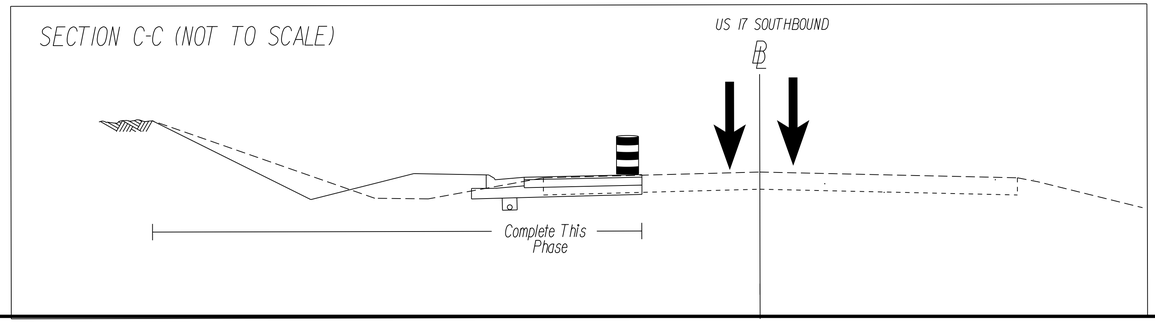


Denotes work started in Phase I that will be under construction.

Denotes areas of proposed construction

Denotes completed work

SECTION C-C (NOT TO SCALE)



SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IR

PROJECT MANAGER _Wall Zamao, P.E. (757) 956-3272 (Hampton Rds. District)_
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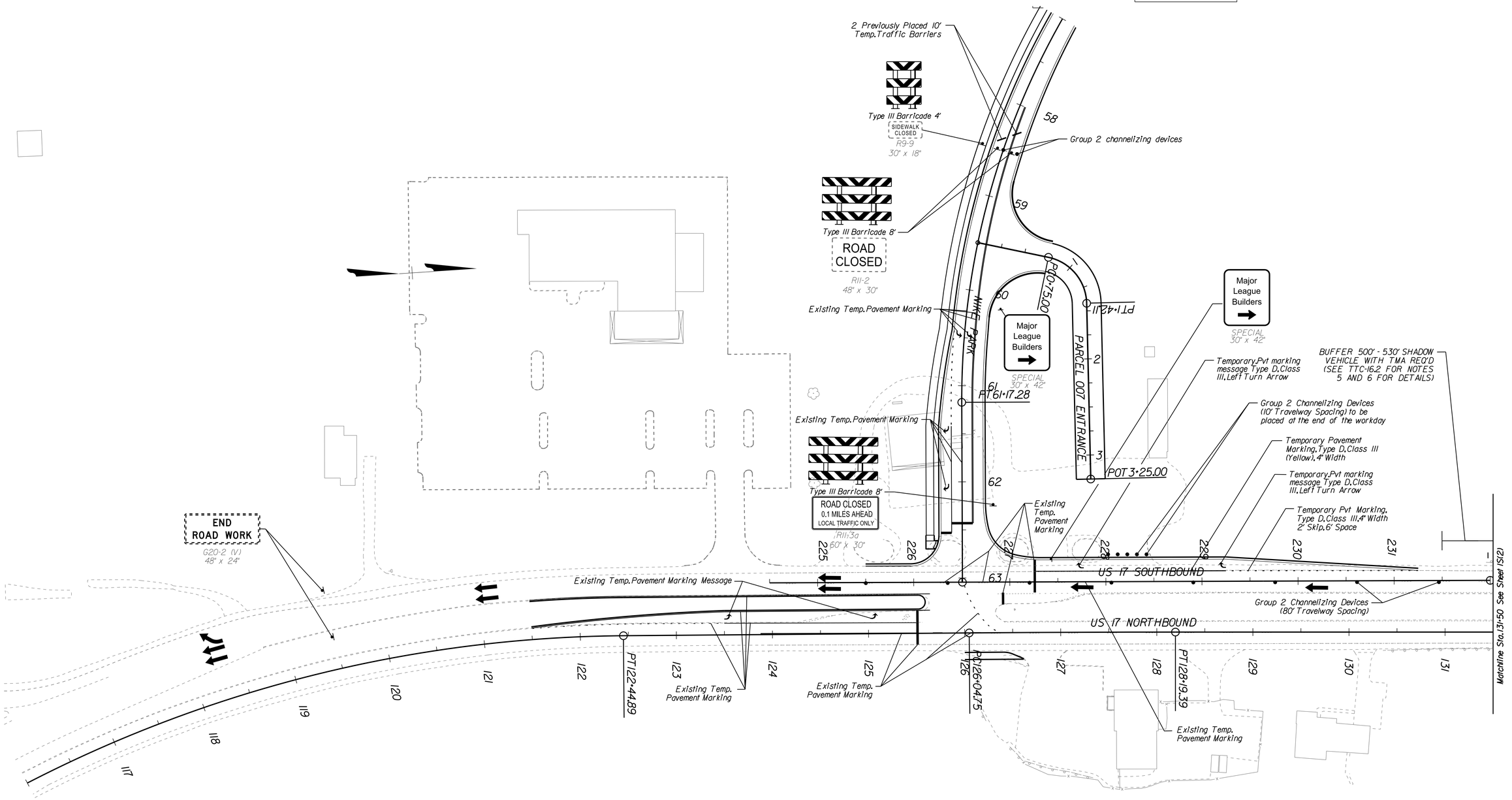
SIGN & PAVEMENT MARKING PLAN
PHASE 2 STEP 3

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	IS(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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0 50' 100'	0669-046-682	IS(1)

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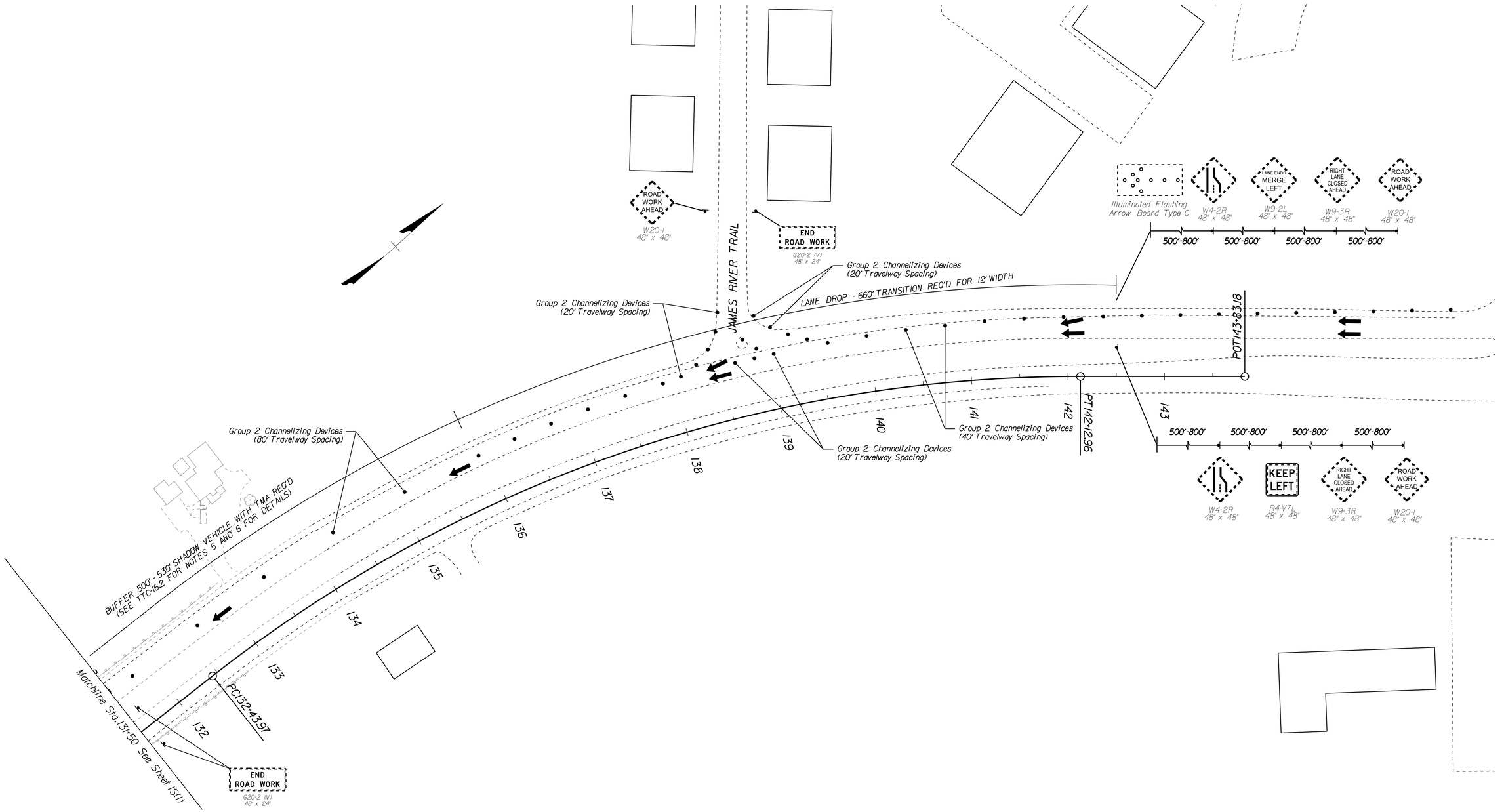
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PHASE 2 STEP 3

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
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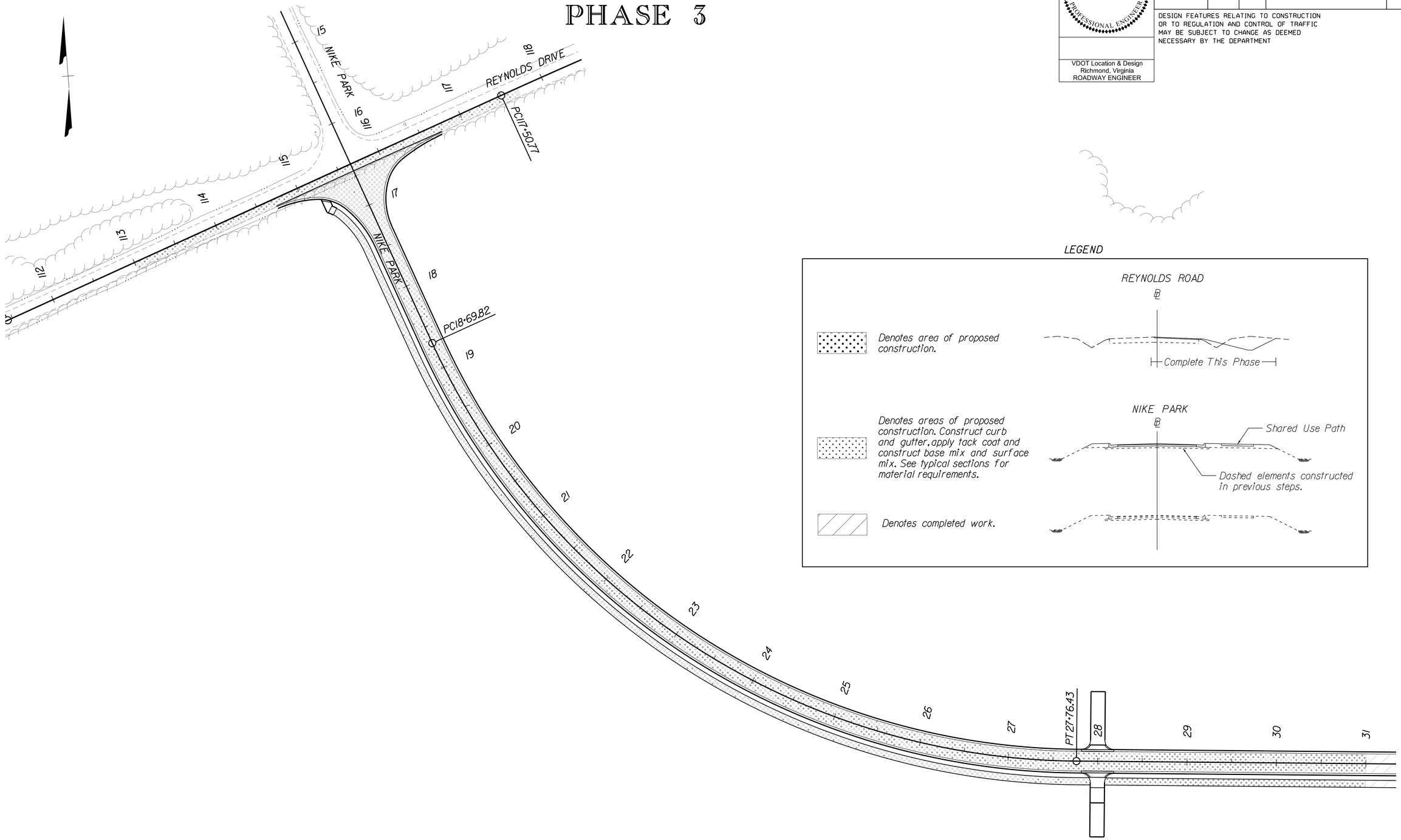
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SCALE	PROJECT	SHEET NO.
0 50' 100'	0669-046-682	IS(2)

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SEQUENCE OF CONSTRUCTION
PHASE 3



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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	669	0669-046-682,C-501	IT

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LEGEND

Denotes area of proposed construction.

Denotes areas of proposed construction. Construct curb and gutter, apply tack coat and construct base mix and surface mix. See typical sections for material requirements.

Denotes completed work.

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0 50' 100'	0669-046-682	IT

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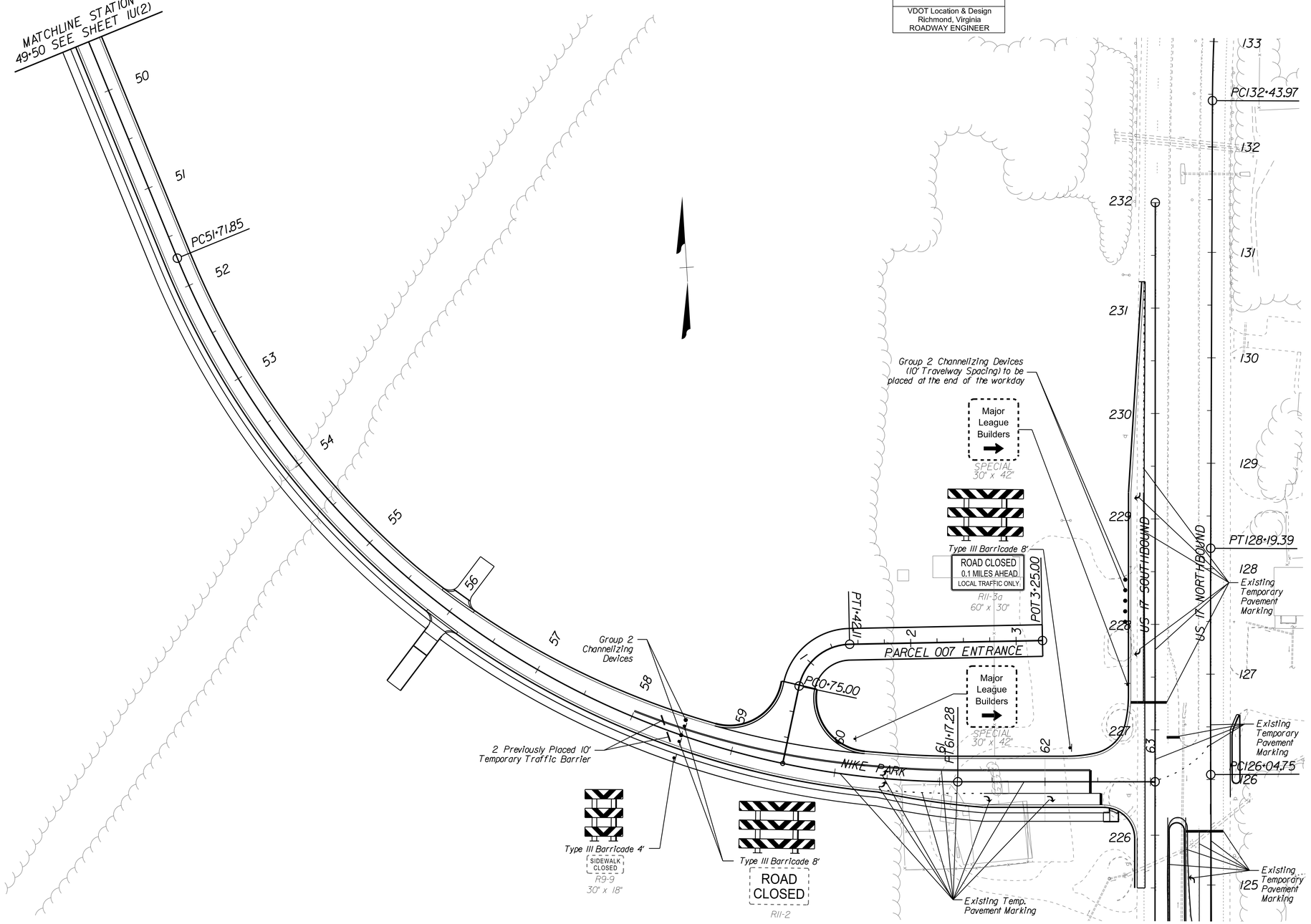
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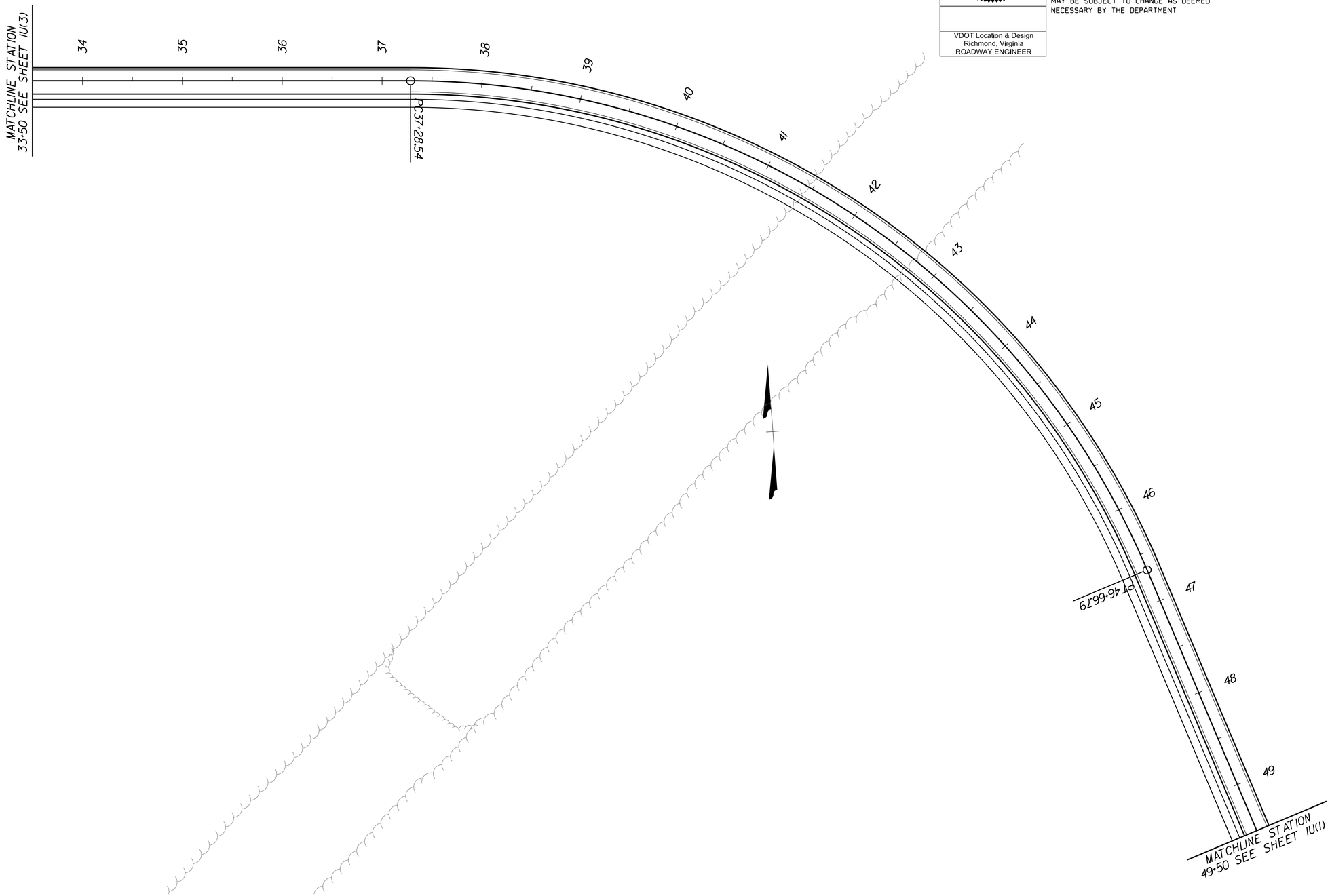
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SIGN & PAVEMENT MARKING PLAN
PHASE 3



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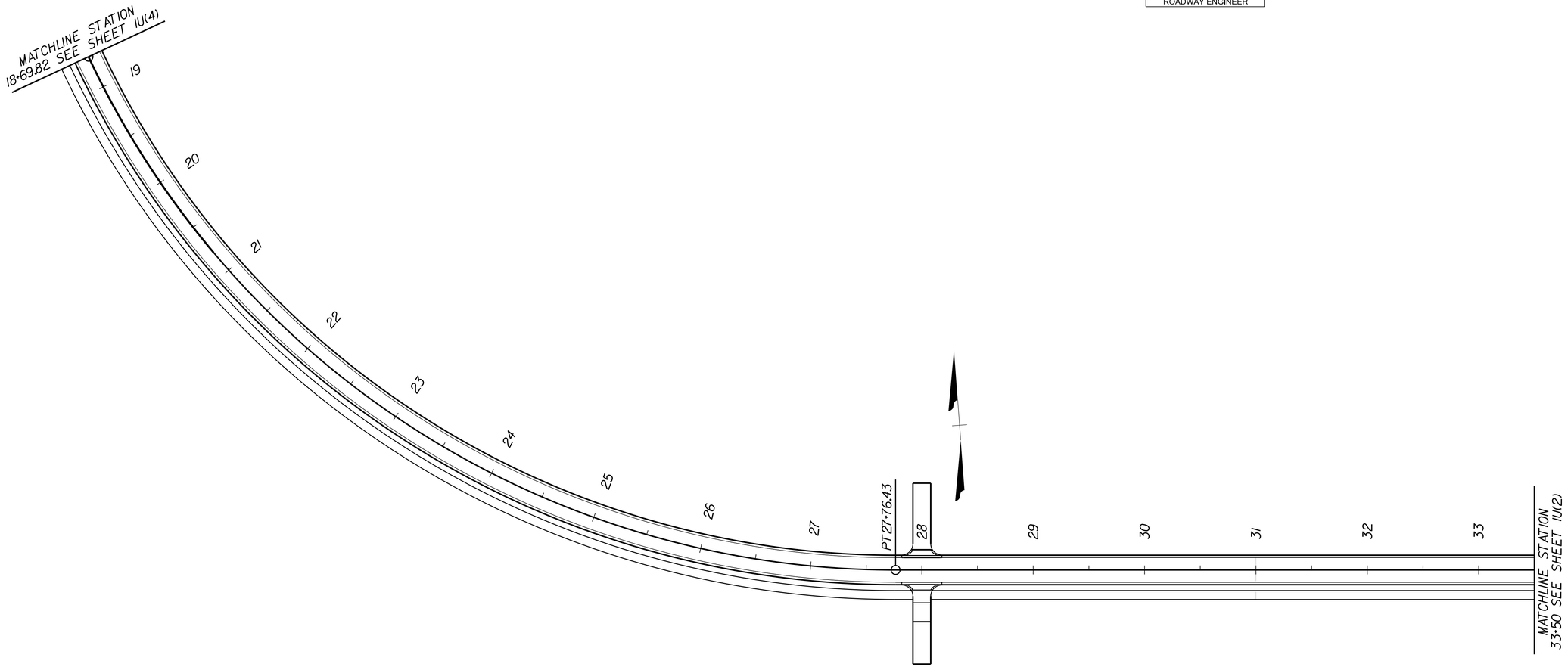
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PHASE 3

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SCALE
0 50' 100'

PROJECT
0669-046-682

SHEET NO.
IU(3)

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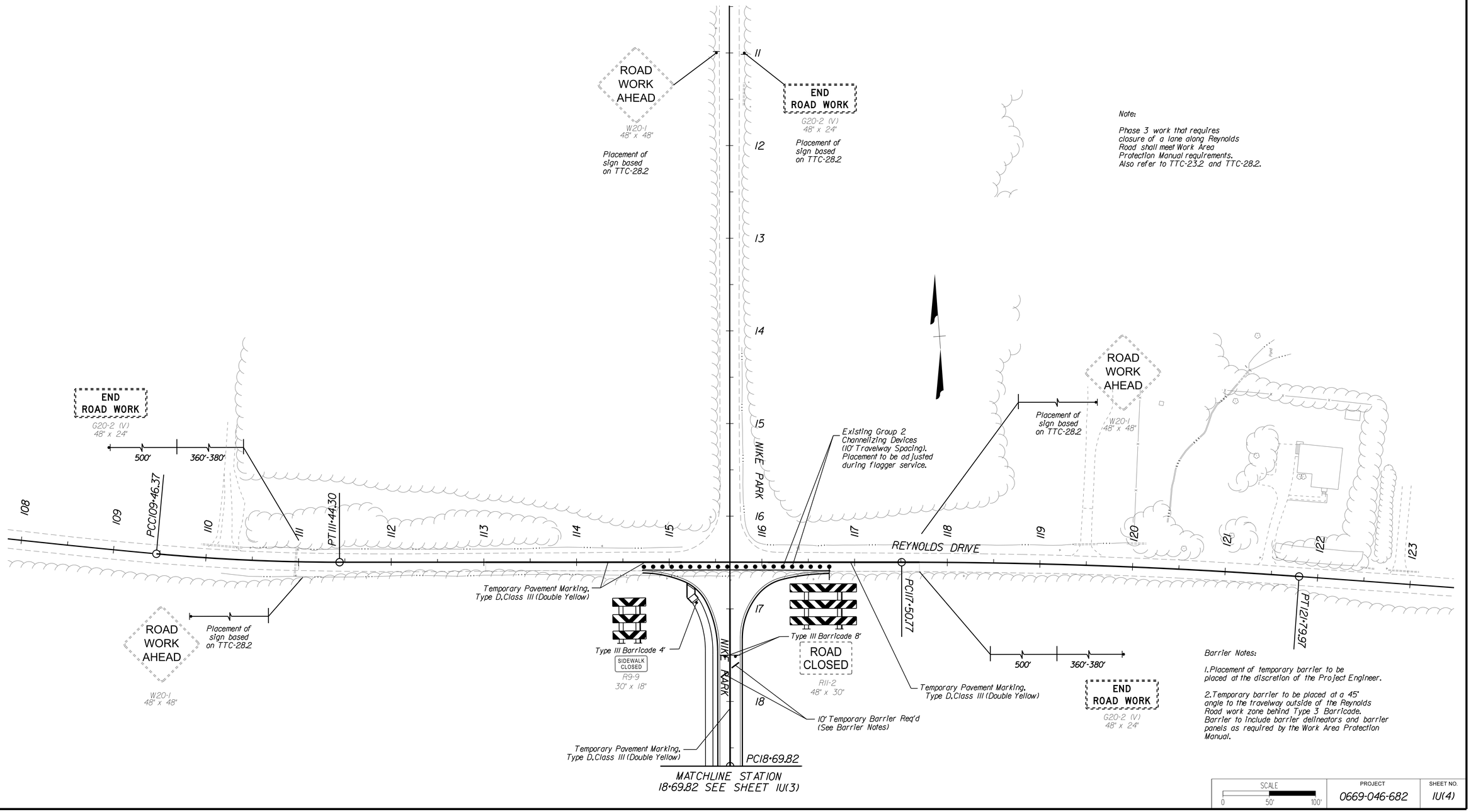
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Note:

Phase 3 work that requires closure of a lane along Reynolds Road shall meet Work Area Protection Manual requirements. Also refer to TTC-23.2 and TTC-28.2.

Barrier Notes:

1. Placement of temporary barrier to be placed at the discretion of the Project Engineer.

2. Temporary barrier to be placed at a 45° angle to the travelway outside of the Reynolds Road work zone behind Type 3 Barricade. Barrier to include barrier delineators and barrier panels as required by the Work Area Protection Manual.

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