123

(NF0) 0123-153-201

PROJECT

NHPP-5A01(781)

NHPP-5A01(923)

NHPP-5B01(190)

See Tabulation

FHWA 534 DATA - 43124

UPC: 109297

AANAGER <u>Mich</u> BY <u>Rinker E</u> PERVISED BY BY <u>Adam Wel</u>

T MA YED E SUP!

PROJECT SURVEYE DESIGN DESIGNE

GAS LINE

BRIDGES CULVERTS

HEDGE TREES

2016 ROAD AND BRIDGE STANDARDS,

Revision 2 (September 1, 2019),

WHERE OTHERWISE NOTED.

2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2011 VIRGINIA SUPPLEMENT TO THE MUTCD,

2011 VIRGINIA WORK AREA PROTECTION MANUAL including

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND

ELECTRONIC .PDF VERSION OF THE PLAN ASSEMBLY.

AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE

WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U/5.11ULS, EXCEPT

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, IS 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.

SHEET INDEX

Cover Sheet SHEET NO. 2 General Notes

SHEET NO. 3 Traffic Signal Plan Traffic Signal Plan - Sign Details

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

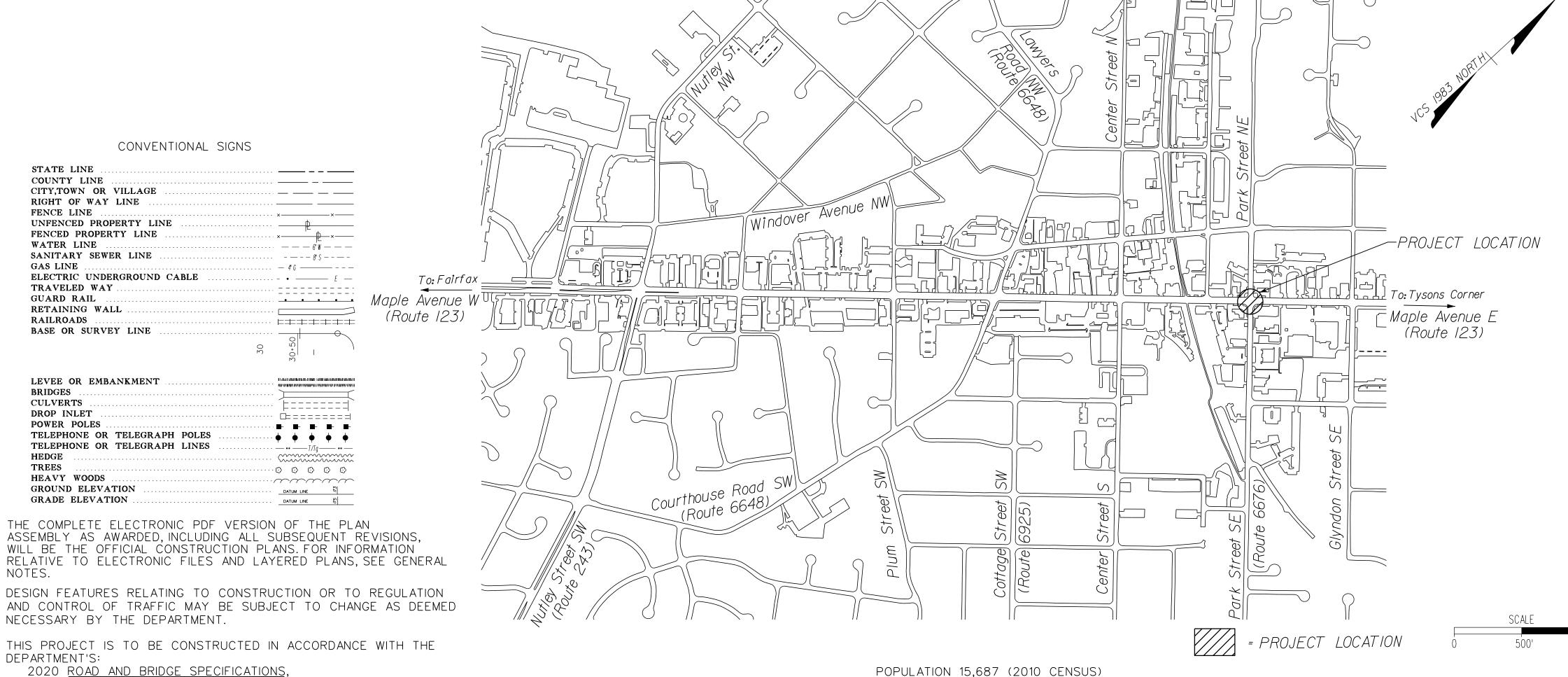
COMMONWEALTH OF VIRGINIA

Town of Vienna - Department of Public Works

PLAN AND PROFILE OF PROPOSED TRAFFIC SIGNAL RECONSTRUCTION

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA NHS - URBAN OTHER PRINCIPAL ARTERIAL (GS-5) - DIVIDED/ROLLING Rte. 123-30 MPH (Posted Speed Fr: Plantation Pkwy To: Draper Drive 31,000 (2019) ADT ** ADT ** N/A 2,945 (2019) D (%) (design hour 1.0% T (%) (design hour) 30 MPH (Posted/Design Speed) V (MPH)

MAPLE AVENUE AND PARK STREET TRAFFIC SIGNAL RECONSTRUCTION



POPULATION 15,687 (2010 CENSUS)

SECTION	FEDERAL AID PROJECT NO.	TYPE	PPMS	LENGTH IN BRIDG		LENGTH EXCLUDING BRIDGE(S)		TYPE	DESCRIPTION		
		CODL	NO. F	FEET	MILES	FEET	MILES	FROJECT			
PE-101	NHPP-5A01(781)	PENG	109297	-	-	N/A	N/A	Prelim. Eng.			
RW-201	NHPP-5A01(923)	ROWA	109297	-	-	N/A	N/A	Right of Way	Signal Modification Project		
C-501	NHPP-5B01(190)	Y031	109297	-	-	N/A	N/A	Construction			
	PE-101 RW-201	PROJECT NO. PE-101 NHPP-5A01(781) RW-201 NHPP-5A01(923)	PROJECT NO. CODE PE-101 NHPP-5A01(781) PENG RW-201 NHPP-5A01(923) ROWA	PROJECT NO. CODE NO. PE-101 NHPP-5A01(781) PENG 109297 RW-201 NHPP-5A01(923) ROWA 109297	PROJECT NO. CODE NO. FEET PE-101 NHPP-5A01(781) PENG 109297 - RW-201 NHPP-5A01(923) ROWA 109297 -	PROJECT NO. CODE NO. FEET MILES PE-101 NHPP-5A01(781) PENG 109297 RW-201 NHPP-5A01(923) ROWA 109297	PROJECT NO. CODE NO. FEET MILES FEET PE-101 NHPP-5A01(781) PENG 109297 - - N/A RW-201 NHPP-5A01(923) ROWA 109297 - - N/A	PROJECT NO. CODE NO. FEET MILES FEET MILES PE-101 NHPP-5A01(781) PENG 109297 - - N/A N/A RW-201 NHPP-5A01(923) ROWA 109297 - - N/A N/A	PROJECT NO. CODE NO. FEET MILES FEET MILES PE-101 NHPP-5A01(781) PENG 109297 - - N/A N/A Prelim. Eng. RW-201 NHPP-5A01(923) ROWA 109297 - - N/A N/A Right of Way		

NOTE: PROJECT LENGTH BASED ON CONSTRUCTION BASELINE

TIER 1 PROJECT

LOCALLY ADMINSTERED PROJECTS TOWN OF VIENNA, VA NAME OF LOCALITY MICHAEL GALLAGHER RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY AQUISITION DIRECTOR OF PUBLIC WORKS (TOWN OF VIENNA) DATE TITLE OF POSITION MICHAEL GALLAGHER RECOMMENDED FOR APPROVAL FOR CONSTRUCTION DIRECTOR OF PUBLIC WORKS (TOWN OF VIENNA) TITLE OF POSITION RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY AQUISITION DISTRICT PLANNING AND INVESTMENT MANAGER DISTRICT PROJECT DEVELOPMENT ENGINEER APPROVED FOR RIGHT OF WAY AQUISITION REVISED DISTRICT ADMINSTRATOR RECOMMENDED FOR APPROVAL FOR CONSTRUCTION DISTRICT PLANNING AND INVESTMENT MANAGER DISTRICT PROJECT DEVELOPMENT ENGINEER APPROVED FOR CONSTRUCTION DISTRICT ADMINSTRATOR

Copyright 2018, Commonwealth of Virginia

PROJECT 123-153-201

SHEET NO.

EXISTING PROPOSED ELECTRIC —— E —— ONE WAY SIGNAL HEAD **←** TELEPHONE —— T/Tg —— BASE MOUNTED LOCAL CONTROL CABINET С PEDESTAL POLE-METAL SEWER JUNCTION BOX LOOP DETECTOR CABLE TV ____CATV____ QUADRUPLE LOOP DETECTOR 6' X 40' \bullet GAS VALVE SERVICE DISCONNECT SWITCH BOX WATER VALVE METER BOX M CONDUIT W/CABLE _____ **—** PEDESTRIAN PUSH BUTTON METAL POLE

Proposed Signal Modification General Notes

REVISED	STATE	ROUTE	TOWN OF VIENNA	SHEET NO.	
KLVISLD	STATE	KOOTE	PROJECT	SHEET NO.	
	VA.		0123-153-201	2	

- All work shall be in accordance with the current edition of the Manual on Uniform Traffic Control Devices (MUTCD), the current edition of the VDOT Road and Bridge Specifications, the current edition of the VDOT Road and Bridge Standards, and all contract special provisions and specification amendments in effect at the time the signal plan is approved. The Contractor is to also perform all work in accordance with all revisions to the VDOT Road and Bridge Standards, as applicable.
- 2 Ten (IO) working days prior to commencing traffic signal work at any location in the Town of Vienna, the Contractor must notify the Town of Vienna Department of Public Works in writing, with the name, daytime phone numbers and emergency phone numbers for the Contractor giving the location of the worksite including street names, route numbers, permit number, type, and details of construction and work schedule.
- Utilities shown on the plans are not guaranteed to be complete or accurate. The Contractor shall be responsible for ensuring that all utilities within the project limits are identified and located before beginning work. The Contractor shall contact Miss Utility of Virginia at I-800-522-7001 48 hours prior to any construction activities. Contractor shall coordinate with utility companies as to the location of existing and approved plans of future utility lines. Contractor shall also ensure all existing utilities are marked by examining the site for surface evidence of unmarked utilities, and shall dig test holes at utility crossings if it is anticipated that the boring operation will be within two (2) feet for existing utility. Any disruption of any utility service is the sole responsibility of the Contractor.
- 4 Contractor shall not impact existing utilities when installing any component of the proposed signal. Any disruption to any utility service shall be at the expense of the Contractor.
- 5 The Contractor shall perform test pits and exercise care in placement of signal pole foundations to preclude utility conflicts. Pole and controller placements shall be verified by the Town's Engineer 30 days prior to installation. All catalog cuts, pole calculations, foundation shop drawings, etc. must be submitted to and approved by the Town of Vienna prior to construction and ordering of materials. Ten (10) days prior to beginning any signalization work, the Contractor shall contact the Town of Vienna's traffic engineer and provide:
- A Contractors name, daytime and emergency phone number. If adjustments in pole locations are required, the Contractor shall notify the Town's Engineer prior to commencing work.
- 6 When any person damages a utility line or protective coating during excavation or demolition, the on-site town, county, or state inspector and the affected utility will be notified immediately.
- 7 The Contractor is responsible for all utility coordination, material, tools, equipment, labor, permits, traffic control, cleanup, and restoration.
- 8 Site preparation and grading shall be incidental to signal installation.
- Maintenance and repair of the traffic signal and any necessary temporary modifications during construction are the sole responsibility of the Contractor until the traffic signal is accepted into the Town's traffic signal system.

- 10 Traffic signal operation shall be maintained at all times. Contractor shall temporarily wire all signals, if necessary, to maintain signalization and detection on all phases for the duration of construction.
- The Contractor shall be responsible for maintaining detection on all approaches of the intersection at all times and throughout all phases of construction.
- 12 The cost of maintenance of traffic on roadways while traffic signal improvements and allimprovements associated with this plan are being installed or modified shall be incidental to the project and not paid for as a separate item.
- At the end of each work day, pending final construction and cable installation, conduit caps will be placed on all vacant ducts.
- 14 The Town's Engineer, prior to construction/installation, shall verify location of controller cabinet.
- 15 The Town's Engineer shall provide signal and controller timings to the
- The Contractor shall purchase and pick up the controller cabinet for the signal at the Town of Vienna's Northside Property Yard. The existing Controller equipment inside the existing cabinet shall be returned to the Town.Coordination is required with the Town's Engineer for scheduling this task. The Contractor shall furnish and install an approved battery back-up system (Uninterruptible Power Supply/UPS). The UPS assembly (cabinet) shall be Type B and shall mount directly to the controller cabinet. The UPS shall consist of a minimum six-battery system.
- The cost of providing communication to the traffic signal is included in the cost of installing the controller.Contact Town's Engineer for any related communication issues.
- 18 The Contractor shall be responsible for providing and maintaining communication to the controller at all times. The Contractor is responsible for any costs associated with providing communication to the traffic signal. The Contractor shall be responsible for coordinating the location and the installation of the communication circuit conduit(s) to the traffic signal controller cabinet with the Town (for interconnect). The Contractor shall contact the Town 120 days prior to the start of traffic signal construction to coordinate all communication activities.
- 19 The Contractor shall be responsible for providing and maintaining electrical service to the controller at all times. The contractor shall be responsible for coordinating the location and the installation of the electrical service for the traffic signal with the local utility company. The Electrical Service shall be installed in accordance with Dominion Power's specifications with two circuit breakers rated at 60 amps each and shall be an equivalent to a VDOT St'd.SE-5 specification for an underground service lateral. The Contractor is responsible for all costs associated with providing electrical service to the traffic signal. The electrical service shall be metered.
- 20 Controller cabinet foundations shall be VDOT St'd, CF-I to include two 4" conduits and one spare 3" conduit fied into the VDOT St'd.JB-S3.The controller cabinet foundation shall have a separate II*4" conduit tied into the service meter equipment.

- The I" metal conduit that is installed as part of the communication circuit (VDOT St'd.CC-2 for the Controller Cabinet) shall be terminated into a VDOT St'd.JB-SI junction box adjacent to the controller cabinet foundation. The two-inch conduit from the VERIZON connection point to the controller cabinet shall be terminated into this VDOT St'd.JB-SI.The required ground electrode for the communication circuit shall be installed in this VDOT St'd. JB-SI.The cover shall have "COMM" cast in the depression on top as detailed in the Standard VDOT St'd.JB-SI.Pull Rope rated at 1,100 pounds shall be installed in all communication conduits.
- The cost of I" conduit to VDOT St'd.JB-SI for system grounding shall be included in the cost of electric service.
- 23 Included in the cost of all conduits shall be the cost of the equipment grounding conductor (#6 AWG EGC).
- Mast arm pole foundations shall be in accordance with VDOT St'd.PF-8. The top of the foundation shall be flush with the surface grade (roadway). Final foundation depth/design shall be furnished by the Contractor and submitted to the Town for approval.
- 25 All signal poles shall be in accordance with Project's specifications for fabrication. All signal poles, mast arms, and foundations shall be designed to accommodate one additional five-section head located four feet from the tip (free end) of the mast arm and an additional MUTCD RIO-12 (30" x 36") sign two feet from the tip (free end) of the mast arm. Contractor shall obtain approval from Town for the signal pole locations and height of arms prior to material ordering and installation to ensure standards are met.
- 26 All breakaway poles shall have breakaway fuses.
- Trench excavation shall be in accordance with VDOT St'd. ECI-1.
- 28 For installation of conduits, no open cut will be allowed in the roadway surface. All conduits shall be bored under existing pavement and existing sidewalk unless otherwise allowed by the Town's Engineer.
- (S) denotes cable to be shielded, (M) denotes metal conduit.
- 30 All wires on plan shall be "stranded."
- 6' x 40' lane-centered Video Detection Zones shall be installed as shown on the plans and shall be placed 5' in front of the stop line.
- 32 If applicable, all right turn overlaps shall be wired to the overlap switch
- 33 All junction boxes shall be in accordance with VDOT St'd.JB-S2 unless indicated on the plans.
- 34 Junction box covers shall have the letters "TRAF" cast in the top surface depression for all traffic signal related junction boxes containing cable with less than 50 volts. All other junction box covers shall have "ELEC" cast in the top surface depression. Junction boxes for the system communication (Verizon) shall have "COMM" cast into the top surface.
- 35 The Contractor shall label all spare wires in the controller cabinet in accordance with section 700.04(g) of the VDOT Road and Bridge Specifications.

- 36 All traffic signal head sections shall be I2" LED. All signals shall be equipped with retroref lective (high visibility) signal backplates.
- 37 Traffic signal heads sections shall be in accordance with the Town's requirements.
- Hanger assembly brackets for angled traffic signal heads shall be such that backplates can be installed without alteration or modification. Retro-Reflective backplates shall be included in the pay item.
- 39 Mast arm signal head mountings shall be in accordance with VDOT St'd.
- 40 Dimensions used for locating equipment (such as signal head assemblies, signs, pre-emptor, cameras, etc.) on mast arms are measured to the center of the symbols used to indicate the equipment.
- 4l All unused wires in the signal heads shall be capped individually with crimp
- 42 New LED traffic signal heads and overhead traffic signal signage shall be covered with a durable non-transparent cover upon installation. The Contractor shall maintain covers until the new traffic signal system is operational and accepted by the Town.
- 43 Signs mounted on mast arms shall be in accordance with VDOT St'd.
- 44 Pedestrian signal head sections shall be in accordance with the Town's requirements.
- 45 Pedestrian signal heads, to be mounted on signal pole shall be installed in accordance with VDOT St'd.SMB-3. The pedestrian signal head shall be mounted such that the lowest point on the VDOT St'd.SMB-3 mounting bracket is not less than 7' or areater than 9' above finished sidewalk/trail
- Pedestrian pole and foundations shall conform to VDOT St'd.PF-2.The Pedestal Pole (VDOT St'd.PF-2) shall be 12 feet in height.
- All pedestrian push buttons shall be mounted in accordance with VDOT St'd. PA-2.VDOT St'd.PA-2 shall be oriented to face the crosswalk to which it applies and be visible to a pedestrian standing at the beginning of the crosswalk on each corner. All push buttons shall be ADA type and meet Town's requirements. All push buttons shall be accompanied by an ADA-compliant audible device.
- 48 All pedestrian signals shall be in accordance with VDOT St'd.SP-8.
- All existing traffic signal equipment that is removed shall be returned to the Town of Vienna, unless directed by the Town's Engineer. All existing equipment designated by the Town's Engineer not to be returned shall be removed and disposed of at an off-site location approved by the Engineer.
- No traffic signal shall be placed into operation until the location is 100% complete. This includes any necessary pavement marking and signage ad iustment shown on the plans. The Contractor shall notify the Town a minimum of 48 hours prior to placing the signal into operation.
- The traffic signal shall not be placed into flashing or full-color operation without the prior notification and approval from the Town's Engineer. Arrangements shall be made by the Town to schedule field personnel providing a minimum of five (5) days advance notice.

- New traffic signal installations shall not be placed into color operation on Mondays, Fridays, or days preceding or following holidays, unless directed by the Town's Engineer.
- 53 The Contractor shall have his or her qualified representative present to monitor traffic flow and adjust timings as necessary through a minimum of two consecutive morning and evening rush hour periods, or as directed by the Town's Engineer.
- 54 The Contractor shall implement all Erosion and Sediment Controls as required by the Town of Vienna and Virginia DCR. The Contractor, if requested by the Town, shall submit a plan to the Town for approval prior to start of project at no additional cost to the project. All items and labor required to implement (install and remove) erosion and sediment control measures shall be incidental to the overall project and not be paid for as a separate item.
- Contractor is responsible for the removal, storage, and (if necessary) replacement of all shrubbery. Restoration of the construction area to original or better condition shall be the responsibility of the Contractor. Contractor is responsible for all compaction of disturbed areas and shall complete work in accordance with the specifications outlined in VDOT's Road and Bridge Specifications (current edition) and all Town of Vienna requirements.
- 56 All furnished mast arm poles and mast arms shall be powder-coated in the color "Charlottesville Green" at no additional cost to the project and in accordance with Town requirements and/or the manufacturer's recommendations.Contractor shall provide a free I'x I' material for Town approval prior to ordering any materials, at no additional cost to the project.
- No pavement markings are anticipated to be impacted by this project.

	Revisions			TRAFFIC SIGNAL MODIFICATION					
			TOWN OF VIENNA MAINTAINED SIGNAL						
	Date Initial				Maple Avenue East (Rte.123) at Park Stree				
The Project is responsible for obtaining the Proposed Permanent Easements				General Notes Town of Vienna,Virginia					
as shown on this plan prior to Construction (See Sheet 3).				0	SCALE	DATE: JUNE 202	2/		
DESIGN FEATURES RELATING TO CONSTRUCTION				DRAWN: ADW	DESIGNED: ADW	CHECKED: ADW			
OR TO REGULATION AND CONTROL OF TRAFFIC				PLAN NO.	PROJECT	FILE NO.	SHEET NO.		
MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE TOWN OF VIENNA					0123-153-201		2		

<u>Note:</u> The Contractor shall take possession, maintain and be solely responsible for the costs for any damage done to the traffic signal during construction. The project shall have a qualified crew on-call at all times for any issues that may arise and need to be fixed imediately. No separete payment will be made for providing on-call signal



START CROSSING Wolch For Vehicles START CROSSING Walch For Vehicles DON'T START Finish Crossing If Started TIME REWAINING To Finish Crossing DON'T START LASHING DON'T CROSS TO CROSS

PRESS BUTTON YELLOW

S-2 S-3 S-4 S-/ R10-7 R10-3e(L) R10-3e(R) RIO-VI 9"X15" 24"X30" 9"X15"

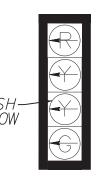
> $_{6'}$ $_{1'6''}$ | Maple Ave E Park St NE

Park St SE

Signs S-5 and S-7 shall be mounted on the mast arm, such that sign starts two feet from vertical shaft of pole. See Sheet 4 for sign detials.

PROPOSED SIGNAL HEADS

ALL TRAFFIC SIGNAL HEAD SECTIONS SHALL BE LED





HEADS 2,4,6,8

1.3.5.7 ALL SIGNALS SHALL 12" LED AND BE EQUIPPED

WITH RETRO-REFLECTIVE (HIGH VISIBILITY) SIGNAL BACKPLATES

ALL PED.HEADS SHALL BE SP-8 WITH COUNTDOWN LED

Note to Contractor: All EXISTING signal equipment at the existing intersection shall be completely removed and the ground shall be restored. Existing conduits shall be completely emptied, abandoned and capped per Town specifications. Existing signal foundations shall be removed up to a depth of 2-feet and the ground shall be restored. Once the need for the exsting signal ceases, all equipment shall be removed and/or abandoned per Town specifications. All costs associated with the

aforementioned items shall be included as part

of the NS REMOVE SIGNAL EQUIPMENT

lump-sum quantity.

MAST ARM LEGEND **◀┼●** Prop.Signal Head \triangleleft — \bigcirc Ex. Signal Head 360° Video Detection Camera

Not to Scale

SIGNAL POLE & CONTROLLER LEGEND

5.8 GHZ Wireless Broadband Radio

(ALL DIMENSIONS ARE TO CENTER OF POLE)

STANDARD MAST ARM POLE (MP-3) 30.22' LEFT of Maple Avenue East Constr. Baseline Sta. 32+02.79 40' Arm 270° Angle to Maple Avenue East Constr. Baseline Signal Placement: 9.5′, 19.5′, 29.5′ Sign Placement: 0′, 14.5′, 33.5′

STANDARD MAST ARM POLE (MP-3) 42.45' LEFT of Maple Avenue East Constr. Baseline Sta. 32+87.18 49' Arm 180° Angle to Maple Avenue East Constr.Baseline Signal Placement: 20.4',28.4', 35.4' Sign Placement: 18.4', 39.4'

STANDARD MAST ARM POLE (MP-3) /3\\\ 41.87' RIGHT of Maple Avenue East Constr. Baseline Sta. 32-90.68 49' Arm 90° Angle to Maple Avenue East Constr. Baseline Signal Placement: 21.6', 31.6', 41.6' gn Placement: 26.6', 45.6' 60° Video Detection_Camera Placement: 36.6′

STANDARD MAST ARM POLE (MP-3) 45.91' RIGHT of Maple Avenue East Constr. Baseline Sta. 32+14.24 40' Arm O° Angle to Maple Avenue East Constr. Baseline Signal Placement: 18.5', 26.5', 32.5' Sign Placement: 15.5', 35.5'

CONTROLLER CABINET & FOUNDATION (CF-I) Cabinet door hinge located on left side of pad. Security lock on controller cabinet IO-Port Managed Field-Ethernet Switch

5.8 GHZ Wireless Broadband Radio: 17'

I. Existing Power Service Connection is to remain. Contractor is responsible for maintaining (during signal modification) and coordinating electrical service to the signal at all times, and all associated costs. See General Notes, Sheet 2 for Power Service Connection Details.

2. No aerial utilities are permitted in front of the mast arms, unless they are 5' higher than the proposed mast arm. Utilities are to be relocated if they conflict within 5' of the mast arms. Contractor is to coordinate this with electrical company and is responsible for any costs associated with this adjustment, and shall be incidental to the cost of the project, not to be paid for separately.

3. The Contractor shall be responsible for providing and maintaining communication to the controller at all times through coordination with the Town. The Contractor is responsible for any costs associated with providing communication to the traffic signal. See General Notes on Sheet 2 for contact information and details.

4. The Contractor shall have a IMSA Level Field II Technician on site and in charge at all times.

5. Pedestrian Heads shall be installed and oriented so that pedestrians in the crosswalks or ramp areas do not have an obstructed view of the Pedestrian Head.

6. All existing signal equipment (other than the existing controller) is to be removed. Contractor is to coordinate with the Town of Vienna about what materials are to be returned to the Town at a location the Lown's choice and what is to be properly disposed of per the Town's request.

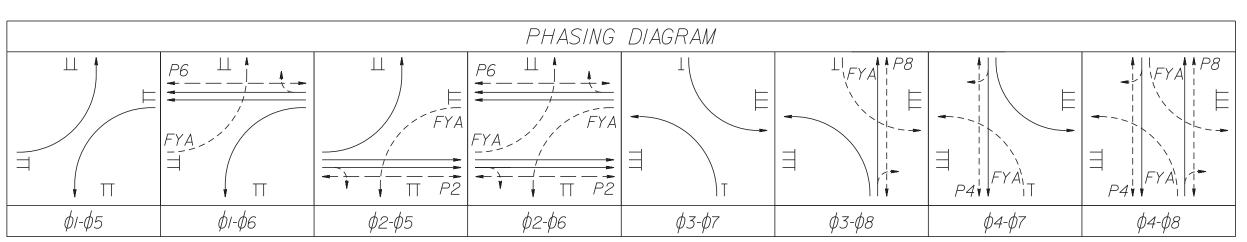
7.Contractor shall bore all conduits underneath existing sidewalk. Contractor SHALL NOT disturb any existing sidewalk during installation of conduits for this project, and shall exercise extreme care to ensure existing sidewalk is not disturbed. Any damage to existing infrastructure shall be the responsibility of the Contractor

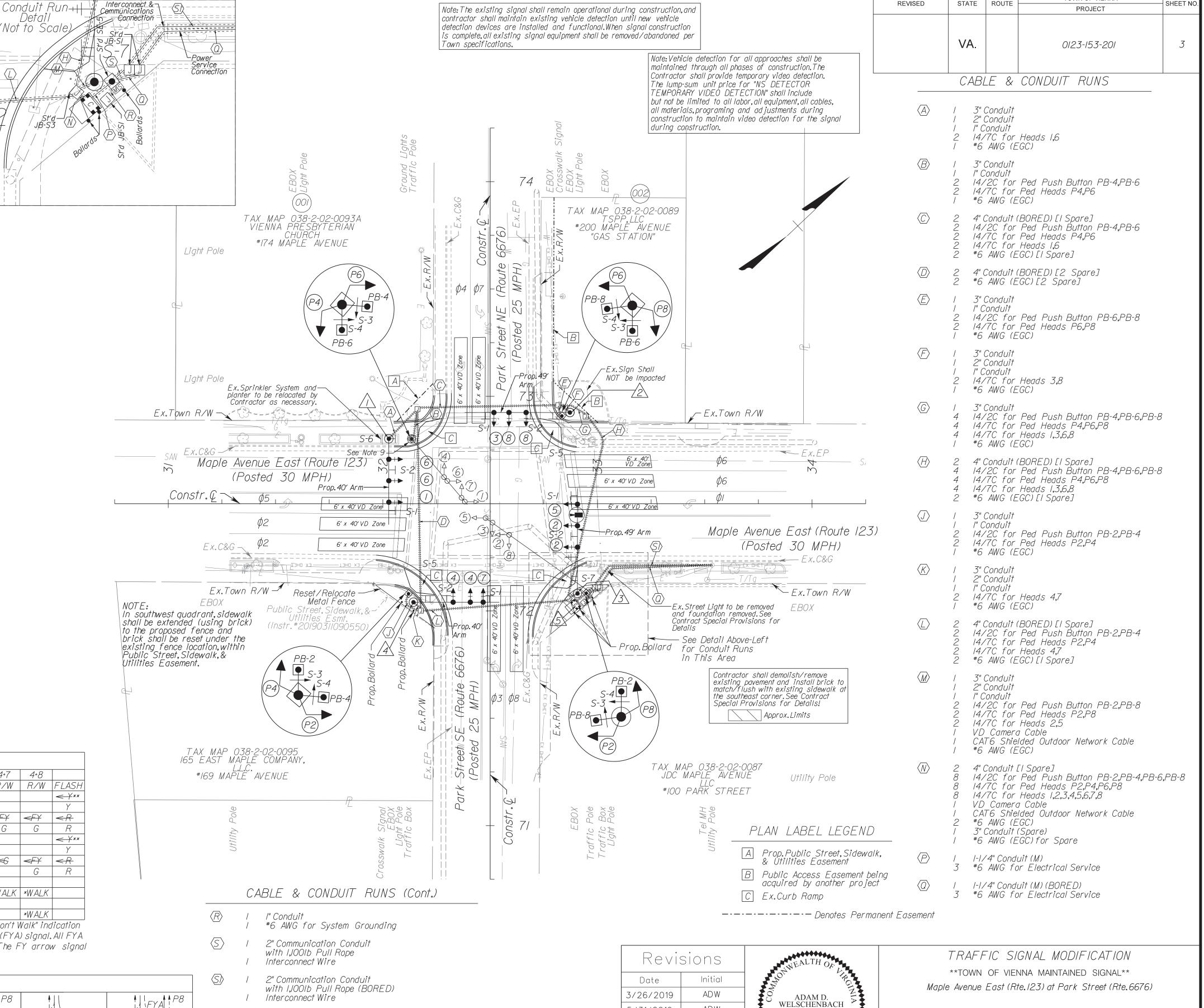
8. Signal Timings are the responsibility of the Town. Town will provide final signal timings for Contractor to implement.

9. Pedestrian pole in NW quadrant to be placed/ installed following removal of existing mast arm pole/ foundation. The pedestrian pole is to go in the same location. At no additional cost to the project, the brick sidewalk should be restored and finished up to new pedestrian pole foundation. Existing mast arm pole foundation to be removed to a depth of 3 feet.

COLOR SEQUENCE CHART																	
PHASE	/	2	3	4	5	6	7	8	<i>l</i> +5	<i>I+6</i>	2+5	2+6	<i>3+</i> 7	<i>3+8</i>	4+7	4+8	
SIGNAL	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	FLASH
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8								G						G		G	R
P2		*WALK									*WALK	*WALK					
P4				*WALK											*WALK	*WALK	
P6						*WALK				*WALK		*WALK					
P8								*WALK						*WALK		*WALK	

Note: Blank spaces represent a red display.*Walk indication displayed after pedestrian call is serviced; otherwise "Don't Walk" indication is displayed. The solid red arrow shall occur at the end of the solid yellow arrow for the Flashing Yellow Arrow (FYA) signal. All FYA signals have the red interval.**The Y arrow signal face (second from the top) shall flash during FLASH operation. The FY arrow signal face (third from the top) shall be blank during flash operation.





ADW

Lic. No. 044359

Welschenbac 10:44:46

Adam

2021.06.22

-04'00'

Town of Vienna, Virginia

JUNE 2021

SHEET NO.

CHECKED: ADW

SCALE

DESIGNED:

ADW

PROJECT

0123-153-201

DRAWN: ADW

PLAN NO.

5/31/2019

DESIGN FEATURES RELATING TO CONSTRUCTION

OR TO REGULATION AND CONTROL OF TRAFFIC

MAY BE SUBJECT TO CHANGE AS DEEMED

NECESSARY BY THE TOWN OF VIENNA

EGC = Equipment Grounding Conductor

Note: The existing signal shall remain operational during construction, and

OWN OF VIENNA

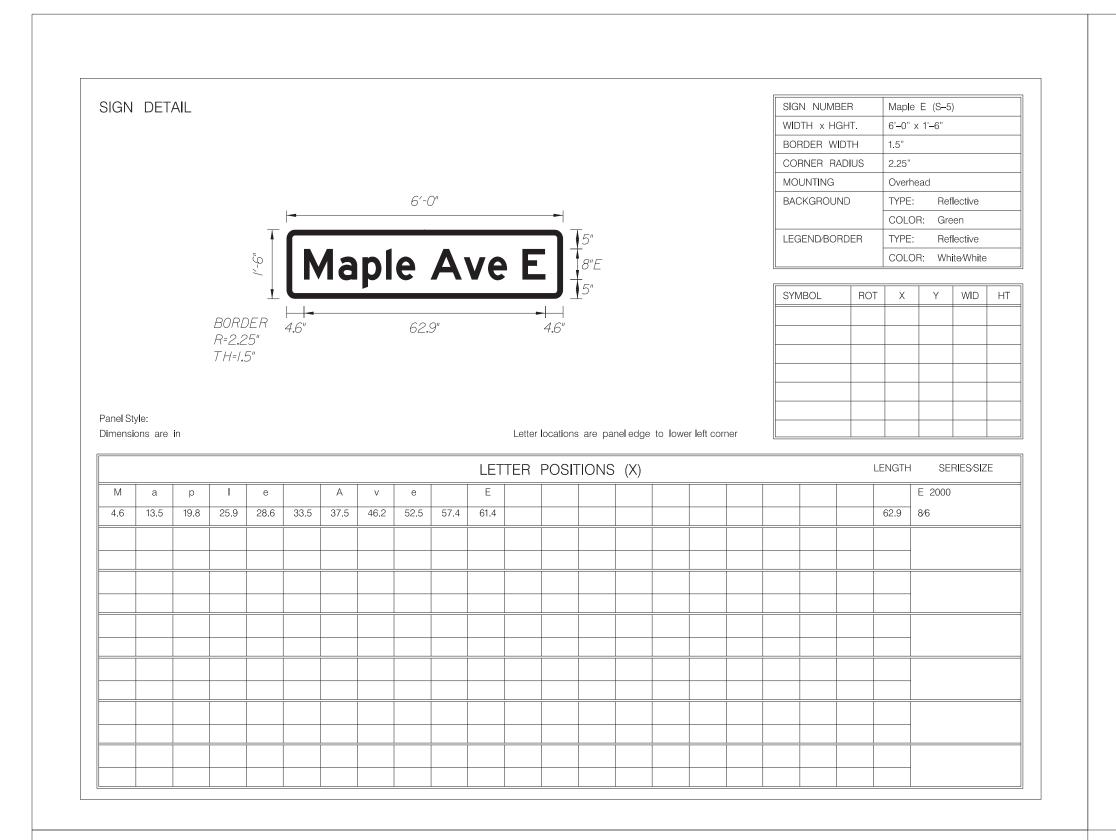
PROJECT

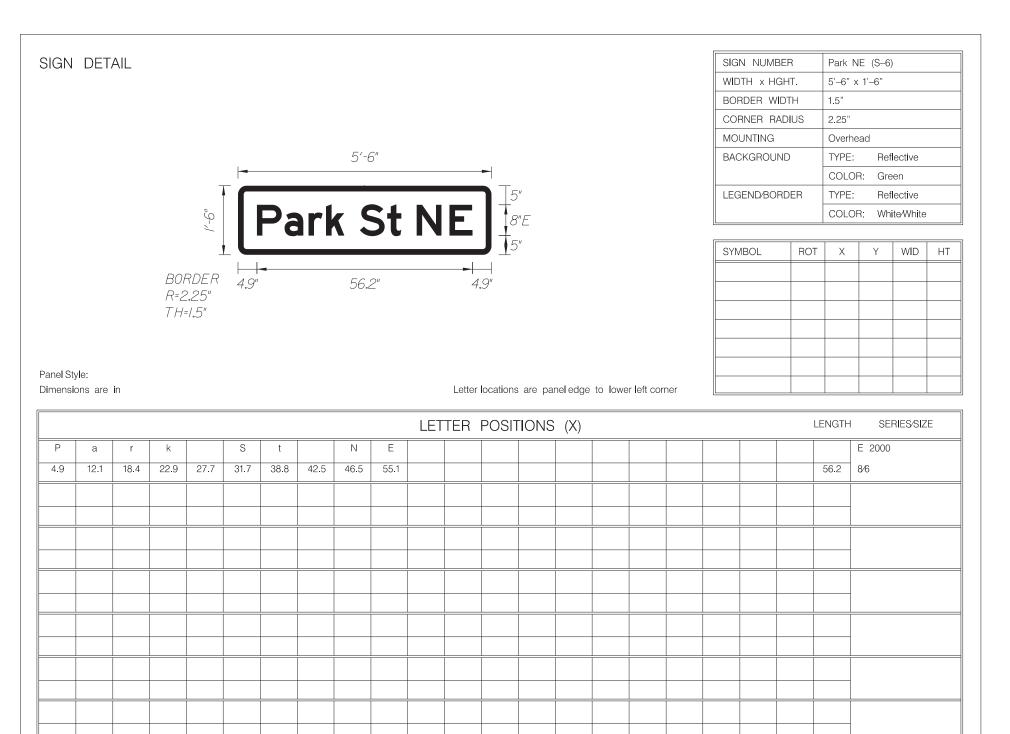
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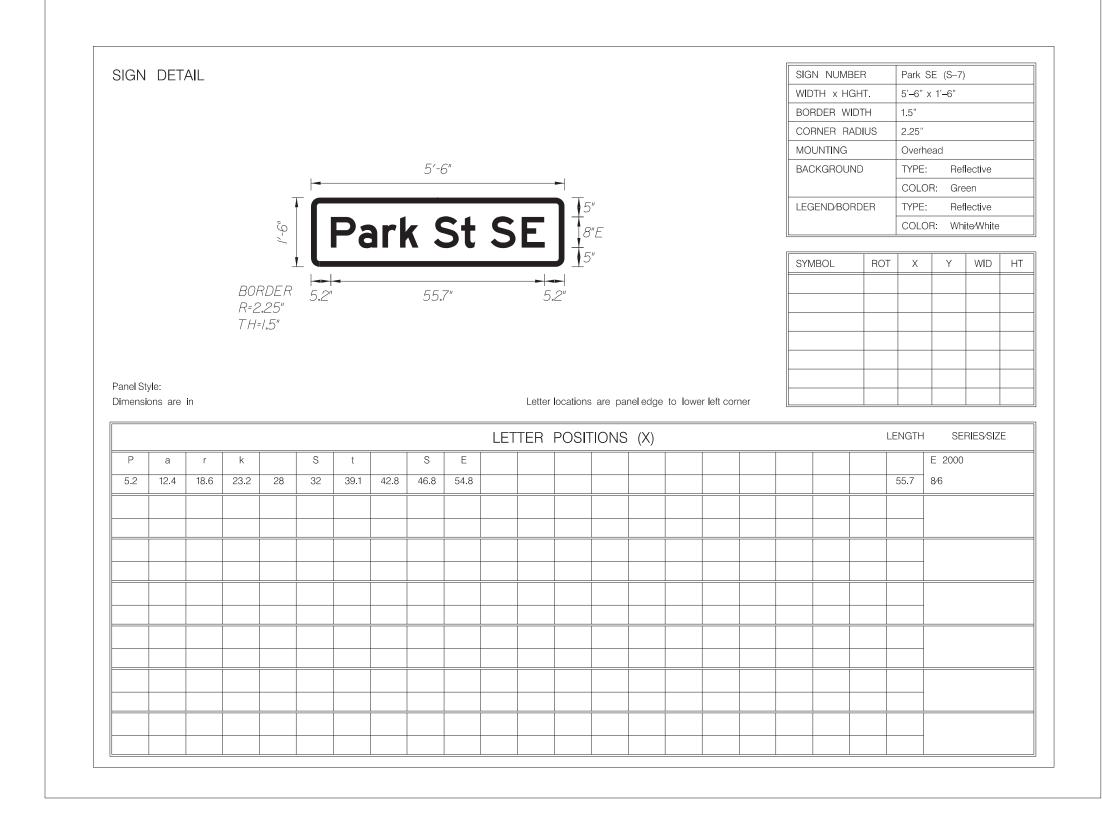
REVISED

STATE ROUTE









	Revisions	ALEALTH OF	TRAFFIC SIGNAL MODIFICATION **TOWN OF VIENNA MAINTAINED SIGNAL**					
	Date Initial	- John In						
	Date	ADAM D. WELSCHENBACH Lic. No. 044359	Maple Avenue East (Rte.123) at Traffic Signal Plan Town of Vienna	- Sign Details	6)			
		Ortonal Engille	SCALE 0 25' 50'	JUNE 20	21			
DESIGN FEATURES RELATING TO CONSTRUCTION		Adam 2021.06.22	DRAWN: ADW DESIGNED: ADW	CHECKED: ADW				
OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE TOWN OF VIENNA		Welschenba 10:45:07 ch -04'00'	PLAN NO. PROJECT 0123-153-201	FILE NO.	SHEET NO.			