

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
 SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
 DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
 SUBSURFACE UTILITY PROVIDED BY Accumark (2011)

# Underground Utilities Test Hole Information

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	1H

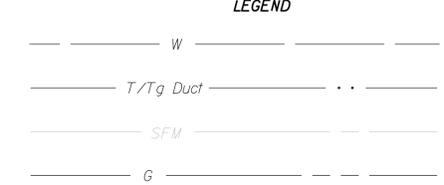
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

PLAN SHEET	TEST HOLE	DISTANCE (FEET)	STATION (1) & ROADWAY	OWNER	TYPE OF FACILITY	(2) ELEV. (FEET)	(3) CONFLICT YES/NO	(4) REMARKS	UTILITY (5) ADJUSTMENT REQUIRED
5E	1	10.5 Lt.	71+00 Rte.123 Constr.Bl.	4	8" Water Line	344.95	No	01/05/12; Cast Iron	Yes
5	2	5.90 Lt.	70+00 Rte.123 Constr.Bl.	4	8" Water Line	343.07	No	01/05/12; Cast Iron	Yes
5	3	11.58 Lt.	69+00 Rte.123 Constr.Bl.	4	8" Water Line	342.59	No	01/05/12; Cast Iron	Yes
5E	4	15.46 Rt.	71+00 Rte.123 Constr.Bl.	2	Telephone Duct	346.62 343.76	No	01/18/12; Concrete	No
5	5	22.02 Rt.	70+00 Rte.123 Constr.Bl.	2	Telephone Duct	343.53 340.61	No	01/18/12; Concrete	No
5	6	17.77 Rt.	69+00 Rte.123 Constr.Bl.	2	Telephone Duct	343.88 N/A	No	01/18/12; Concrete	No
5E	7	22.71 Rt.	71+00 Rte.123 Constr.Bl.	3	12" Gas Line	344.56	No	01/17/12; Cast Iron	No
5	8	29.81 Rt.	70+00 Rte.123 Constr.Bl.	3	12" Gas Line	343.42	No	01/17/12; Cast Iron	No
5	9	30.86 Rt.	69+00 Rte.123 Constr.Bl.	3	12" Gas Line	340.82	No	01/17/12; Cast Iron	No
5E	10	41.76 Rt.	71+00 Rte.123 Constr.Bl.	Unk.	Fiber Optic	334.53	Yes	01/04/12; Cannot confirm material size or condition	Yes
5	11	47.77 Rt.	70+00 Rte.123 Constr.Bl.	Unk.	Fiber Optic	334.07	Yes	01/05/12; Cannot confirm material size or condition	Yes
5	12	50.42 Rt.	69+00 Rte.123 Constr.Bl.	Unk.	Unknown	Unk.	Yes	01/05/12; Cannot confirm material type or condition, believed to be fiber optic	Yes
5C	A1	28.54 Lt.	64+43.42 Rte.123 Constr.Bl.	3	2" Gas	353.29	No	08/06/12; Wrapped Steel	No
5C	A2	25.54 Lt.	64+55.69 Rte.123 Constr.Bl.	4	2" Water Line	353.54	No	08/06/12; Copper	Yes
5	A3	63.02 Rt.	23+93.74 Rte.29 Constr.Bl.	4	(4) 1/2" Water Line	340.37	No	08/08/12; Plastic	Yes
5	A4	46.78 Lt.	27+22.47 Rte.29 Constr.Bl.	6	Unk. Size Electric	341.87	Yes	08/07/12; Plastic	Yes
5E	A6	37.00 Rt.	72+44.21 Rte.123 Constr.Bl.	3	2" Gas	346.34	Yes	08/08/12; Wrapped Steel	No
6	A7	35.05 Lt.	31+59.71 Rte.29 Constr.Bl.	7	(3) 2" Fiber Optic	338.52	Yes	08/09/12; Conduit	Yes
6	A8	34.89 Lt.	32+18.05 Rte.29 Constr.Bl.	4	8" Water Line	337.82	Yes	08/09/12; Ductile Iron	Yes
6	A9	34.31 Rt.	37+02.79 Rte.29 Constr.Bl.	7	(2) 2" Fiber Optic	336.44	Yes	08/08/12; Conduit	Yes
6	A10	37.81 Lt.	37+35.81 Rte.29 Constr.Bl.	3	2" Gas	333.28	Yes	08/08/12; Cast Iron	Yes
8	A11	32.11 Lt.	44+08.82 Rte.29 Constr.Bl.	4	8" & 2" Water Lines	328.17	Yes	08/08/12; D. Iron / Copper	Yes
4	B1	40.39 Rt.	17+73.92 Rte.29 Constr.Bl.	5	(4) 1.5" FO Conduits	363.80	Yes	12/16/14; F.O. Conduits	Yes
5	B2	50.71 Lt.	25+72.20 Rte.29 Constr.Bl.	3	None Found	N/A	Yes	12/16/14; Excessive Water at 2.65' Depth Utility Not Found	Yes
5	B3	41.52 Rt.	68+78.43 Rte.123 Constr.Bl.	3	Coated Steel (Black)	341.69	Yes	12/16/14; Gas	Yes
5	B4	45.58 Rt.	70+37.36 Rte.123 Constr.Bl.	9	N/A	N/A	Yes	12/16/14; TH Excavated to 13.56' Depth Utility Not Found	Yes
5	B5	38.34 Rt.	70+39.50 Rte.123 Constr.Bl.	2	Concrete	346.26	Yes	12/16/14; F.O. Conduits	Yes
5	B6	21.48 Rt.	70+31.59 Rte.123 Constr.Bl.	2	Concrete	345.09	Yes	12/16/14; Telephone Conduits	Yes
5E	B7	15.90 Rt.	72+13.36 Rte.123 Constr.Bl.	3	Coated Steel (Black)	347.47	No	12/16/14; Gas	No
5E	B8	42.28 Rt.	72+76.42 Rte.123 Constr.Bl.	9	N/A	N/A	No	12/16/14; Utility Not Found	No
5E	B9	2.81 Rt.	73+50.00 Rte.123 Constr.Bl.	3	Ductile Iron (Black)	350.82	Yes	12/16/14; Gas	No
5E	B10	3.18 Lt.	74+77.74 Rte.123 Constr.Bl.	3	Coated Steel (Black)	353.88	Yes	12/16/14; Gas	Yes
4	W1	45.82 Rt.	17+74.01 Rte.29 Constr.Bl.	5	Plastic (Blk., Org., Grn., Blu.)	362.40	No	12/16/14; F.O. Conduits	No
4	W2	51.89 Rt.	20+62.38 Rte.29 Constr.Bl.	4	Ductile Iron (Black)	345.87	No	12/16/14; Water Main	No
4	W3	61.31 Rt.	22+07.23 Rte.29 Constr.Bl.	4	Ductile Iron (Black)	345.24	No	12/16/14; Water Main	No
4	W4	46.95 Rt.	22+10.90 Rte.29 Constr.Bl.	5	Plastic (Blk., Org., Grn., Blu.)	341.84	No	12/16/14; F.O. Conduits	No
5	W5	6.05 Lt.	69+73.97 Rte.123 Constr.Bl.	4	Ductile Iron (Black)	342.76	No	12/16/14; Water Main	No
5	W6	7.59 Lt.	70+41.52 Rte.123 Constr.Bl.	4	Ductile Iron (Black)	344.24	No	12/16/14; Water Main	No
5	W7	37.19 Lt.	29+42.63 Rte.29 Constr.Bl.	4	Ductile Iron (Black)	339.08	No	12/16/14; Water Main	No
5	W8	32.13 Lt.	29+50.65 Rte.29 Constr.Bl.	UNK	Ductile Iron (Black)	337.42	No	12/16/14; Unknown Utility Found	No

PLAN SHEETS	TEST HOLES	DISTANCE (FEET)	STATION (1) & ROADWAY	OWNER	TYPE OF FACILITY	(2) ELEV. (FEET)	(3) CONFLICT YES/NO	(4) REMARKS	UTILITY (5) ADJUSTMENT REQUIRED
6	W8A	35.65 Lt.	29+43.35 Rte.29 Constr.Bl.	2	Plastic (White)	338.58	No	12/16/14; 4-4" F.O. Conduits	No
6	W9	14.00 Lt.	31+60.09 Rte.29 Constr.Bl.	9	Plastic (Blk., Org., Grn., Blu.)	337.30	No	12/16/14; F.O. Conduits	No
6	W10	14.00 Lt.	31+66.48 Rte.29 Constr.Bl.	2	N/A	N/A	No	12/16/14; 6.89' Deep Excavation Utility Not Found	No
6	W11	14.00 Lt.	31+72.48 Rte.29 Constr.Bl.	2	Concrete	335.71	No	12/16/14; Telephone Conduits	No
6	W12	14.00 Lt.	32+18.50 Rte.29 Constr.Bl.	4	N/A	N/A	No	12/16/14; 7' Depth Excavated Utility Not Found	No
6	W13	14.00 Lt.	37+1.42 Rte.29 Constr.Bl.	7	N/A	N/A	No	12/16/14; 10' Depth Excavated Utility Not Found	No
6	W14	14.00 Lt.	37+35.34 Rte.29 Constr.Bl.	3	Coated Steel (Black)	333.58	No	12/16/14; Gas	No
8	W15	14.00 Lt.	44+71.40 Rte.29 Constr.Bl.	4	Ductile Iron	327.24	No	12/16/14; Water Main	No

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 Right-of-Way Services

- SUBSURFACE UTILITY OWNERS**  
 MISS UTILITY 1-800-257-7777
- (7) Zayo (formerly MFN)  
 Mr. Brad Leatherman  
 13861 Sunrise Valley Dr., Suite 450  
 Herndon, VA 20171
  - (5) AT&T/TCG  
 7777 Leesburg Pike, Suite 100N  
 Falls Church, VA 22043  
 Mr. Marc Blanco
  - (1) Fairfax City Department of Public Utilities  
 City Hall Annex, Room 300  
 10455 Armstrong Street  
 Fairfax, VA 22030  
 Mr. Rick Thoessen, Director
  - (4) Fairfax Water  
 Mr. Bobby Coston  
 8560 Arlington Blvd.  
 Fairfax, VA 22031
  - (8) Cox Communications  
 Mr. Quincy Henderson  
 3080 Centreville Road  
 Herndon, VA 20171
  - (2) Verizon of Virginia  
 Mr. Scott Sisk  
 2200 Loudoun County Pkwy  
 Ashburn, VA 20147
  - (6) Dominion Virginia Power  
 Ms. Verna Love  
 3072 Centreville Road  
 Herndon, VA 20171
  - (3) Washington Gas  
 Mr. Allan Melliza  
 6801 Industrial Road  
 Springfield, VA 22151
  - (9) MCI / Verizon Business  
 Mr. Dave Fisher  
 12379 Sunrise Valley Drive, Suite A  
 Reston, VA 20191



- NOTES:**
- (1) ALL TEST HOLES ARE REFERENCED FROM THE SURVEY BASELINE UNLESS OTHERWISE NOTED.
  - (2) ELEVATIONS SHOWN HEREON ARE TO THE TOP OF THE FACILITY UNLESS OTHERWISE NOTED.
  - (3) YES OR NO; NO INDICATES NO DIRECT CONFLICT. HOWEVER, CLEARANCE MAY BE LESS THAN ACCEPTABLE TO UTILITY OWNER.
  - (4) REMARKS TO INCLUDE CLEARANCE DIMENSION (REGARDLESS OF DISTANCE).
  - (5) YES OR NO; INFORMATION TO BE PROVIDED BY THE VDOT DISTRICT UTILITY ENGINEER.

PROJECT	SHEET NO.
0029-151-105	1H

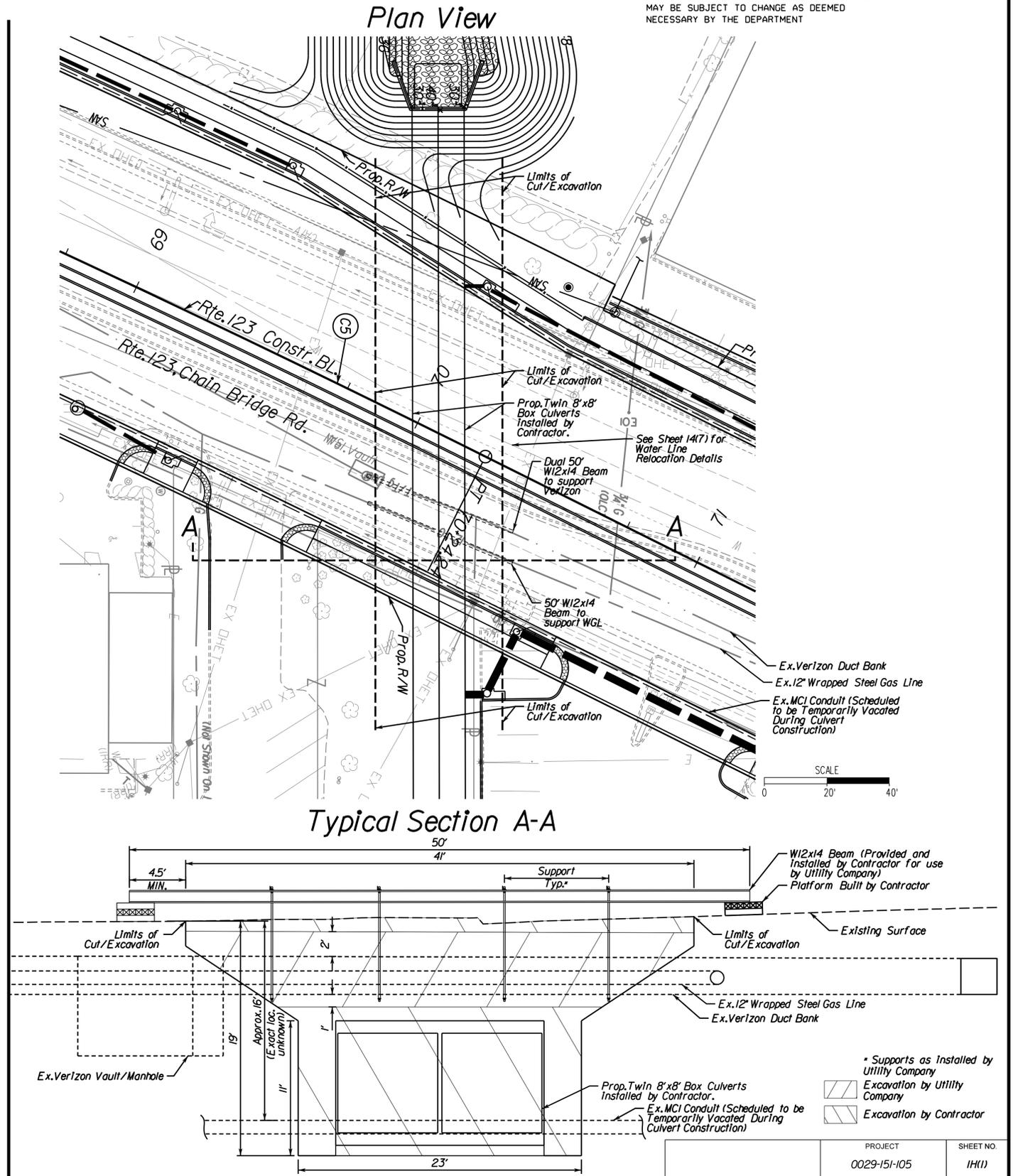
PROJECT MANAGER *Wendy Block Sanford, City of Fairfax (703) 385-7889*  
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 SUBSURFACE UTILITY PROVIDED BY *Accumack (2011)*

# Chain Bridge Rd (Rte. 123) Utility Protection Plan

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	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

UPC 16632 - Intersection and Drainage Improvement Project at Route 23/50/123			
Chain Bridge Road (Route 123) Box Culvert Crossing at Approx Sta. 69+98			
Utility Protection Plan - To be Coordinated with TMP/SOC Phase 1, shown in this Plan			
ORDER OF EVENTS/TASKS	CONTRACTOR RESPONSIBILITY	UTILITY COMPANY RESPONSIBILITY	OTHER NOTES
1) Initial Traffic Control	The northbound lanes of Chain Bridge Road (Route 123) shall be fully closed for the duration of the Verizon ductbank and Washington Gas main protection process. Once the northbound lanes are closed, they shall remain closed until the utilities are exposed and protected (by respective utility companies), the appropriate portions the box culvert are installed, and the existing utilities are safely restored to their subsurface condition prior to start of construction. The Contractor shall follow TMP/SOC Phase I to close the northbound lanes.	None.	The Verizon duct bank, Verizon Manhole, and Washington Gas are under the street pavement. MCI has fiber optic cables under the existing sidewalk area. See details on this sheet for locations.
2) Road Surface Excavation	The existing asphalt road surface and soil above the Verizon ductbank and Washington Gas main shall be demolished/excavated to a depth such that two feet of cover remain above each utility structure/facility as per the details on this sheet. The contractor shall hand dig to locate the top of the duct bank and gas main at each side of the trench.	None.	Available test pit information is provided on Sheet 1H. If additional information is required/necessary, then each entity is responsible to obtain their own utility test pit at no additional cost to the project.
3) I-Beam Procurement, Delivery and Installation	The Contractor shall provide three 50-foot I-Beams to the culvert trench crossing site (the I-Beam specifications are shown on this sheet). The Contractor shall then be responsible for constructing the I-Beam platforms and setting of the beams for both Verizon and Washington Gas per drawing BCA-119121 shown on sheet 1H(2).	None.	None.
4) Exposing of Facilities and Installation of Protection Structures	The Contractor shall not work in this vicinity during the utility work.	The utility company shall be responsible for excavation within less than 2 feet of cover above the existing utility facilities. Verizon and Washington Gas shall expose their facilities as required by Miss Utility law to protect the utilities for future culvert installation utilizing the I-beams installed by the contractor in Task 3. See this sheet for details. MCI will locate and expose their conduits at a depth of about 16 feet. Their conduits will be cut on both sides of the trench and pulled back for the duration of the culvert construction.	Estimated utility protection durations: - Verizon: 3 weeks - Wash Gas: 4 weeks  *Note: This work will not be completed concurrently.
5) Spoils	The Contractor will be responsible for the haul-off of all spoils not required by the utility company.	None.	Contractor shall designate a location adjacent to the culvert trench where spoils are to be placed by the utility companies.
6) Culvert Trench Excavation	Once the Verizon duct bank and Washington Gas main support and protection work is completed (utility protection work), the Contractor may continue excavation for the culvert. Contractor shall not use mechanized equipment within 2 feet of gas main or duct bank per Miss Utility Laws.	MCI conduits exist at a depth of approximately 16 feet (too deep for a test hole to find). Once the Contractor finds evidence of the conduits, MCI will locate and expose the remainder, cut within the trench excavation area, and extend conduits up the sides of the trench to an elevation suitable to their needs.	The Contractor shall take precautions to avoid impacting this conduit. This MCI conduit shall be empty prior to the start of the project and will remain empty until Contractor finishes work on the northbound lanes of Route 123. MCI's estimated time to completed their work is 1 week.
7) Box Culvert Installation	The Contractor shall construct the portions of the culvert below the northbound lanes of Route 123 and shall take caution not to impact the protected utilities.	Utility Companies shall monitor their facilities as needed.	Contractor is solely responsible for damage to protected utilities or interruption of utility service.
8) Backfill / I-Beam Removal	After the portions of the culvert are installed under northbound Route 123, the Contractor will backfill the trench to within one foot of the bottom of the protected utilities and notify each utility that the site is ready for their backfill work. Once the I-Beams are no longer needed by the utility companies, the Contractor is solely responsible for the removal/disposal of the I-Beam.	MCI: Will raise and reconnect their conduits to now lay above the portions of the box culvert at the crossing prior to Contractor installation of the sidewalk.  Verizon and Washington Gas: Will be responsible for removal of their respective support equipment/materials which are attached to the I-beams and subsequent backfilling around the protected utilities to at least a 2 foot depth of cover above the utility facilities.	Once the utilities are backfilled to 2 foot depth above their facilities, the Contractor may proceed with roadway surface construction.  MCI conduit reconnection efforts shall be completed concurrently with the Verizon and Washington Gas backfilling efforts.



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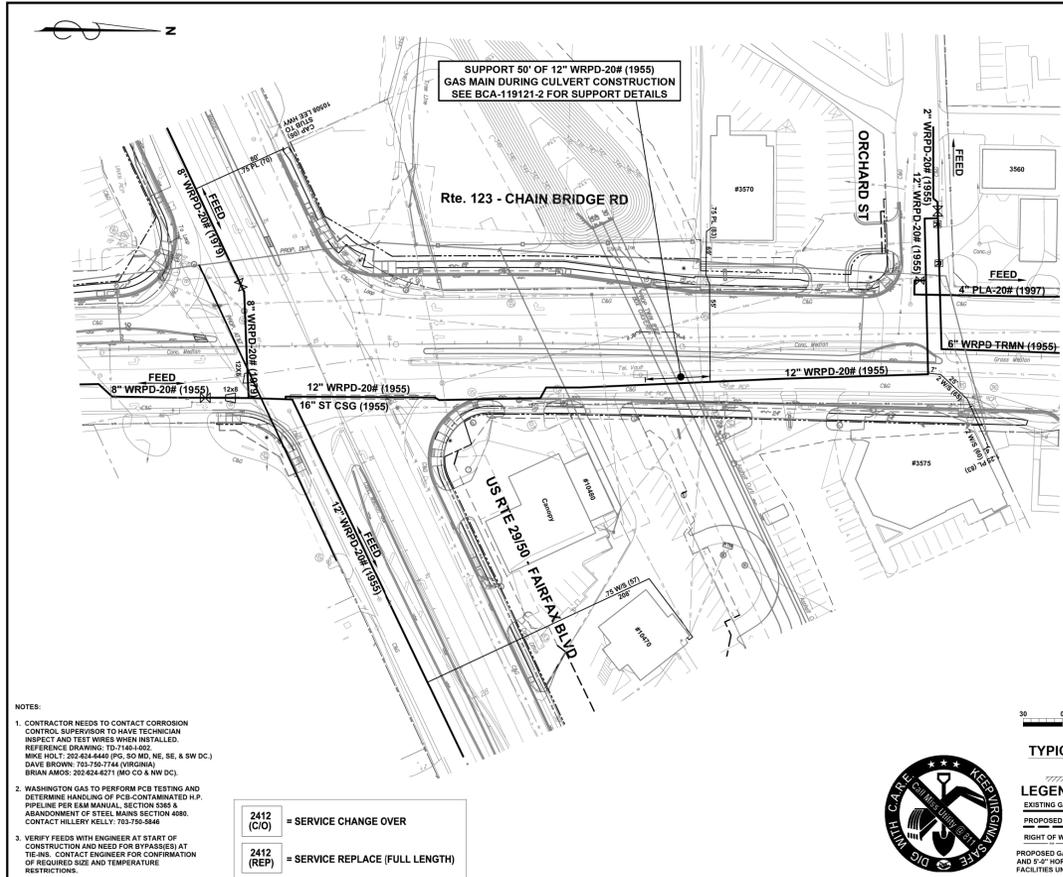
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# Chain Bridge Rd (Rte.123) Utility Protection Plan Cont.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	1H(2)

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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**Washington Gas**

Gas Transmission  
 881 Industrial Road  
 Springfield, VA 22151  
 Telephone: 703-252-5599  
 Fax: 703-752-4472

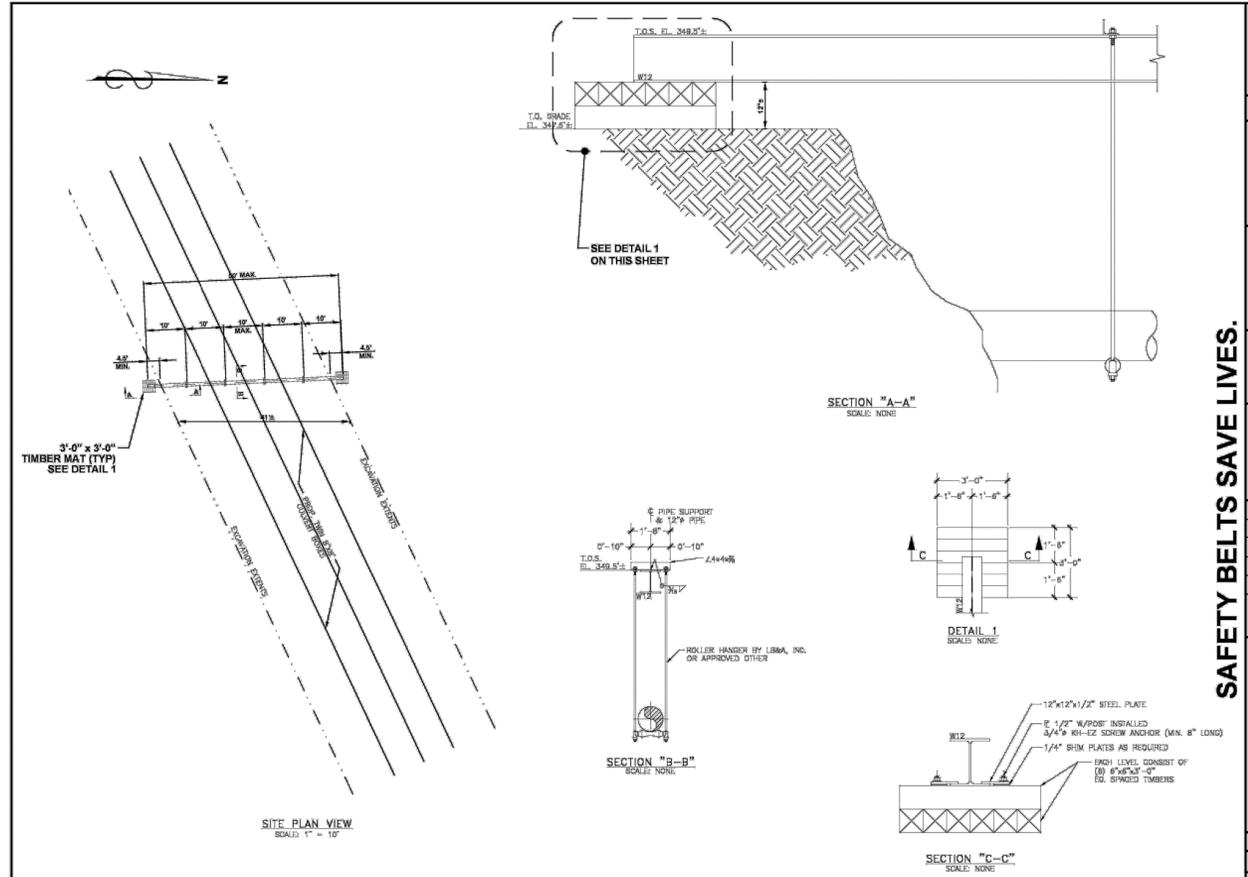
Project No. \_\_\_\_\_  
 Drawing Title \_\_\_\_\_  
 Date \_\_\_\_\_

Checked By: \_\_\_\_\_  
 Date: \_\_\_\_\_

1488587 MNRPL

**CHAIN BRIDGE RD  
 ROUTE 123  
 AT FAIRFAX BLVD  
 FAIRFAX, VA**

FOR CONSTRUCTION  
 BCA-119121-1  
 Sheet Number: 2 OF 2



**Washington Gas**

Gas Transmission  
 881 Industrial Road  
 Springfield, VA 22151  
 Telephone: 703-252-5599  
 Fax: 703-752-4472

Project No. \_\_\_\_\_  
 Drawing Title \_\_\_\_\_  
 Date \_\_\_\_\_

Checked By: \_\_\_\_\_  
 Date: \_\_\_\_\_

1488587 MNRPL

**CHAIN BRIDGE RD  
 ROUTE 123  
 AT FAIRFAX BLVD  
 FAIRFAX, VA**

FOR CONSTRUCTION  
 BCA-119121-2  
 Sheet Number: 2 OF 2

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Transportation Management Plan & Sequence of Construction (TMP/SOC) General Notes

Temporary Traffic Control Plan Notes

Professional Engineer seal for Adam D. Welschenbach, License No. 044359, Rinker Design Associates, P.C., Manassas, Virginia. Includes project details: VA, ROUTE, PROJECT 0029-151-105, P101, P102, R201, C501, SHEET NO. 1J.

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

Temporary Traffic Control Plan

General Notes:

1 TMP/SOC Type B Project Information:

- a Identify the project's TMP Type: This project's TMP/SOC plan has been designed in conformance with a Type B TMP/SOC plan.
b Identify the work zone location, length, and widths: The project location is as shown on Sheet IA.
c Note the hours the Construction Area will be active: Construction Area shall be considered active when any impact to traffic occurs.

Table with 5 columns: DAY TIME, MONDAY TO THURSDAY, FRIDAY, SATURDAY, SUNDAY. Rows for DAY TIME and NIGHT TIME showing closure periods.

No lane closures will be allowed from noon on the day before a holiday until noon on the workday following the holiday. Holidays include all State and Federal holidays.

Contractor shall follow Contract Special Provisions with regards to working hours.

- d The TMP/SOC plan, during construction, shall be in accordance with Sections 512.701, 703 & 704 of the Virginia Department of Transportation Road and Bridge Specifications, dated 2007.
e Note any existing entrances, existing intersections, or existing pedestrian access points that will be affected by the Construction Area or by the traffic control devices:

Existing Entrances:

The following existing commercial or private entrances shall remain open for the duration of construction, except as noted. At the following locations are private or commercial entrances which shall have access maintained at all times.

Existing Intersections:

There are four signalized intersections within the project limits, all of which are to remain operational for the duration of construction. They are the Intersections of: Fairfax Boulevard (U.S. Route 29/50) @ Chain Bridge Road (Route 123)

There is one unsignalized intersection (with cross-over) within the limits of this project, which is to remain operational for the duration of construction. This is the Intersection of: Fairfax Boulevard (U.S. Route 29/50) @ Station 4+25

Existing Pedestrian Access Points:

Within the project limits, pedestrian access points are generally at the intersections and the Contractor is to maintain safe passage for pedestrians and bicyclists within the project for the duration of construction, via sidewalk closure using applicable MUTCD and VWAPM applications.

Existing Bus Stops:

There are several bus stops within this project. The existing bus stops are located at: Approx. Sta. 28+00 RT, 30+00 LT, 35+75 RT, 36+75 LT, 44+25 RT, 65+00 LT, and 76+50 LT

The Contractor shall coordinate with City of Fairfax, and provide a minimum of 14 days notice to pedestrians (by way of signage) for each bus stop relocation. The cost to relocate bus signage, provide signage to relocated bus stops, and all things necessary to coordinate and relocate existing bus stops to temporary relocation, including relocating bus signage back to its original location or proposed new location and restoring relocated location to pre-construction conditions, shall be incidental to the project, and not paid for as a separate item.

- f Identify the major types of travelers: The roadway carries large diverse types of travelers. In the peak hours however, daily commuters are the prevailing traveler type for this roadway.

- 9 The Contractor, at no additional cost to the project and which shall be considered incidental to the cost of the project, shall:
Designate a person assigned to the project who will have the primary responsibility, with sufficient authority, for implementing the TMP/SOC and other safety and mobility aspects of the permit work.

Ensure that personnel assigned to the project are trained in traffic control to a level commensurate with their responsibilities in accordance with VDOT's work zone traffic control training guidelines.

Inform the Engineer and City Construction Inspector of any work requiring lane shifts, lane closures, and/or phase changes a minimum of two working days prior to implementing this activity.

Perform reviews of the Construction Area to ensure compliance with contract documents at regularly scheduled intervals at the direction of the Engineer and City Construction Inspector.

Contractor shall maintain a copy of the temporary traffic control plan at the work site at all times.

Coordinate with City of Fairfax Police Department and City of Fairfax Fire/Rescue Department for any lane closures and any detours of any nature, at no additional cost to the project.

Schedule all phases of construction in such a manner that water, sanitary sewer, cable, fiber cable, optic cable, any overhead utilities, and any underground utilities services will not be interrupted. The Contractor is solely responsible for any interruption in any utility service, and solely responsible for any repairs to the approval of the impacted utility service.

- 2 This TMP/SOC plan is intended as a guide. It is not to enumerate every detail which must be considered in the construction of each phase, but only to show the general handling of existing traffic. It shall be the responsibility of the Contractor to present a formal TMP/SOC plan with construction signage to the Engineer and City Construction Inspector for approval prior to any construction activity that may affect the existing pedestrian or vehicular traffic.

- 3 Contractor is to maintain at least one lane of traffic in each direction on Fairfax Boulevard (Route 29/50), and Chain Bridge Road (Route 123) during construction of this project with a minimum clear roadway width in accordance with VDOT standard GS-10 unless otherwise approved by the Engineer.

- 4 All areas excavated below the existing pavement surface and within the clear zone as prescribed in the VWAPM at the conclusion of each workday, shall be backfilled to form an approximate 6:1 wedge against the existing pavement or newly constructed pavement surface for the safety and protection of vehicular traffic.

- 5 Concrete Traffic Barrier Service shall be installed and removed so as to not present any blunt end or hazard to the motorist/public. The placement and removal of Concrete Traffic Barrier Service are to be coordinated by the Project Safety Officer.

- 6 Contractor shall follow the geotechnical recommendations for the project. Materials designated as unsuitable material as detailed in the geotechnical recommendations shall be disposed of offsite and are not to be used for any part of construction.

- 7 Each phase of construction shall be completed to the installation of intermediate course asphalt prior to the start of the next phase unless otherwise directed by the Engineer.

- 8 Contractor shall ensure positive drainage for the duration of the project. Contractor shall add any additional temporary measures necessary to facilitate proper, positive drainage for the duration of construction.

- 9 The Contractor shall modify, as needed, existing signals as approved by the Engineer and City Construction Engineer. Contractor shall provide maintenance of signals and associated detection equipment at no additional cost for the duration of construction.

- 10 Unless specified on the plans, all existing turn lanes shall be maintained at all times for the duration of construction.

- 11 The cost to install and remove the construction pavement markings and pre-approved black tape shall be included in the cost to install construction pavement markings and shall not be paid for as a separate item.

- 12 Where Group 2 Channelizing Devices are used to separate the Construction Area and traffic, a minimum clear zone area as defined in the VWAPM is to be maintained.

- 13 The Contractor is to coordinate with City of Fairfax for location(s) of the construction staging area. A potential staging area for the Contractor to use is located at the northwest quadrant of the Intersection of Chain Bridge Road and Fairfax Boulevard on the property owned by the City of Fairfax.

- 14 The Contractor shall present a formal plan for construction of ultimate signals as proposed in this plan. Sheet II Series, to be approved by the City of Fairfax. No construction activity is to begin until plan is presented and approved.

- 15 IMPLEMENTING THE TRANSPORTATION MANAGEMENT PLAN
During the first day of the new work zone traffic pattern, the project's Manager and project's Construction Inspector shall inspect the work zone to ensure compliance with the TMP.

- 16 EVALUATION OF THE TRANSPORTATION MANAGEMENT PLAN
A performance assessment of the TMP including area wide impacts on adjacent roadways shall be performed by the City of Fairfax with coordination from VDOT Engineers during construction.

- 17 PUBLIC COMMUNICATIONS PLAN
The Contractor shall be responsible for:
a Notifying the Project Manager and Construction Inspector two weeks in advance of any scheduled work plans and traffic delays.

- b Notifying the Project Manager, Construction Inspector, and City of Fairfax of any unscheduled traffic delays.
c Contractor shall attend any and all meetings requested by the City of Fairfax at no additional cost to the project.

- 18 TRANSPORTATION OPERATIONS
The Contractor shall be responsible for implementing and providing the following:
a Notify the Regional Transportation Operations Center (TOC) 48 hours in advance in order to place lane closure information on the 511 System and VA-Traffic.

- b Post a list of local emergency response agencies inside the project's construction office/trailer.
c Immediately report any traffic incidents that may occur in the work zone.

- d Notify the project's Construction Inspector and City of Fairfax of any incidents and expected traffic delays.
e Within 24 hours of any incidents within the construction work zone, a review of the traffic controls shall be completed and necessary adjustments made to reduce the frequency and severity of any future incidents.

CONTACT NUMBERS

Table with 2 columns: Contact Name/Title and Phone Number. Includes David Summers, Wendy Block, Peter Millard, Satoshi Eto/Chris Arnold, and City of Fairfax Emergency Numbers.

Suggested Sequence of Construction:

General Phasing Notes:

VWAPM - VDOT's current edition of the Virginia Work Area Protection Manual.
MUTCD - FHWA's current edition Manual on Uniform Traffic Control Devices

1. The Contractor shall submit a temporary traffic control plan that prescribes the necessary traffic control measures for the work to be performed to be approved by the Engineer prior to the commencement of any work activities as indicated on the Temporary Traffic Control Plan Notes shown on this sheet.

2. Prior to the start of construction, the Contractor shall install project limit signage in accordance with VWAPM TTC-53D. For the duration of construction, the Contractor shall ensure this signage remains in compliance if the project limits change.

3. During all phases of construction, the Contractor is to maintain pedestrian access on at least one side of the roadway, providing continuous connectivity along Fairfax Boulevard and Chain Bridge Road within the project limits.

4. The Contractor shall be responsible to show the placement for Portable Changeable Message Sign, truck mounted impact attenuators, flagging stations, and if necessary temporary barricades on the plans submitted to the Engineer.

5. The Contractor shall perform modifications to existing signals as necessary throughout all phases of construction. Temporary signal plans shall be provided by the Contractor at no additional cost to the project, and shall be approved by the City prior to beginning any modifications to existing signals.

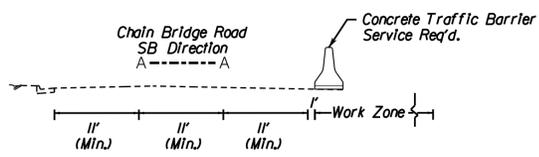
Table with 2 columns: PROJECT and SHEET NO. Values: 0029-151-105 and 1J.



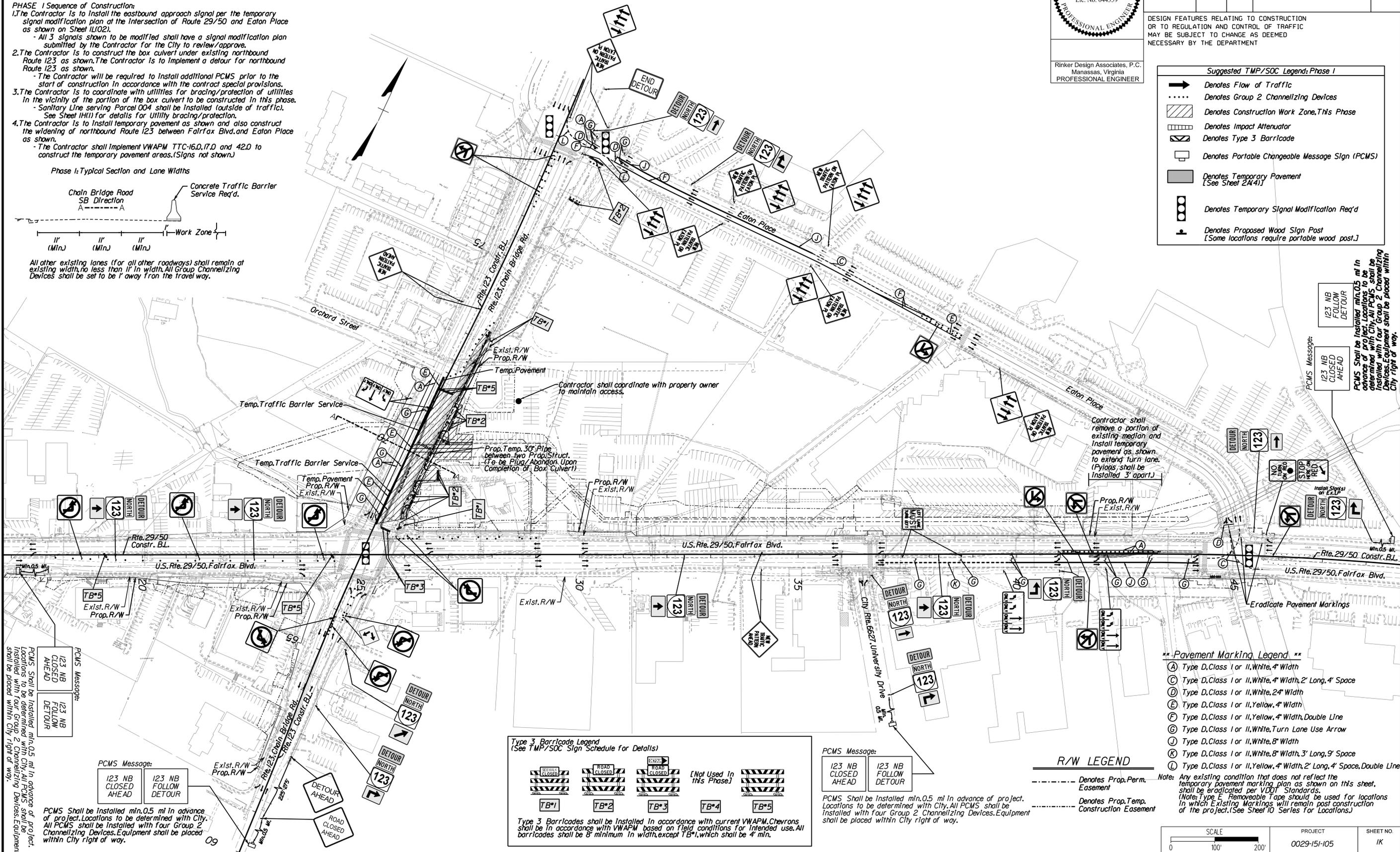
PROJECT MANAGER Wendy Block Sanford, City of Fairfax, VA (703) 385-7889  
 SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
 DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
 SUBSURFACE UTILITY PROVIDED BY AccuTrack (2011)

- PHASE 1 Sequence of Construction:**
- The Contractor is to install the eastbound approach signal per the temporary signal modification plan at the intersection of Route 29/50 and Eaton Place as shown on Sheet 11021.
    - All 3 signals shown to be modified shall have a signal modification plan submitted by the Contractor for the City to review/approve.
  - The Contractor is to construct the box culvert under existing northbound Route 123 as shown. The Contractor is to implement a detour for northbound Route 123 as shown.
    - The Contractor will be required to install additional PCMS prior to the start of construction in accordance with the contract special provisions.
  - The Contractor is to coordinate with utilities for bracing/protection of utilities in the vicinity of the portion of the box culvert to be constructed in this phase.
    - Sanitary Line serving Parcel 004 shall be installed (outside of traffic). See Sheet 1111 for details for utility bracing/protection.
  - The Contractor is to install temporary pavement as shown and also construct the widening of northbound Route 123 between Fairfax Blvd. and Eaton Place as shown.
    - The Contractor shall implement VWAPM TTC-16.0, 17.0 and 42.0 to construct the temporary pavement areas. (Signs not shown.)

**Phase 1: Typical Section and Lane Widths**



All other existing lanes (for all other roadways) shall remain at existing width, no less than 11' in width. All Group Channelizing Devices shall be set to be 1' away from the travel way.



# TMP/SOC Phase 1

COMMONWEALTH OF VIRGINIA  
 ADAM D. WELSCHENBACH  
 Lic. No. 044359  
 PROFESSIONAL ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K

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

**Suggested TMP/SOC Legend: Phase 1**

- Denotes Flow of Traffic
- Denotes Group 2 Channelizing Devices
- Denotes Construction Work Zone, This Phase
- Denotes Impact Attenuator
- Denotes Type 3 Barricade
- Denotes Portable Changeable Message Sign (PCMS)
- Denotes Temporary Pavement [See Sheet 2A41]
- Denotes Temporary Signal Modification Req'd
- Denotes Proposed Wood Sign Post [Some locations require portable wood post.]

PCMS Shall be installed min. 0.5 mi in advance of project. Locations to be determined with City. All PCMS shall be installed with four Group 2 Channelizing Devices. Equipment shall be placed within City right of way.

PCMS Message:  
 123 NB CLOSED AHEAD  
 123 NB FOLLOW DETOUR

**\*\* Pavement Marking Legend \*\***

- (A) Type D, Class 1 or II, White, 4" Width
- (C) Type D, Class 1 or II, White, 4" Width, 2' Long, 4" Space
- (D) Type D, Class 1 or II, White, 24" Width
- (E) Type D, Class 1 or II, Yellow, 4" Width
- (F) Type D, Class 1 or II, Yellow, 4" Width, Double Line
- (G) Type D, Class 1 or II, White, Turn Lane Use Arrow
- (J) Type D, Class 1 or II, White, 8" Width
- (K) Type D, Class 1 or II, White, 8" Width, 3' Long, 9" Space
- (L) Type D, Class 1 or II, Yellow, 4" Width, 2' Long, 4" Space, Double Line

**Type 3 Barricade Legend**  
 (See TMP/SOC Sign Schedule for Details)

Type 3 Barricades shall be installed in accordance with current VWAPM. Chevrons shall be in accordance with VWAPM based on field conditions for intended use. All barricades shall be 8' minimum in width, except TB1, which shall be 4' min.

**PCMS Message:**

123 NB CLOSED AHEAD  
 123 NB FOLLOW DETOUR

PCMS Shall be installed min. 0.5 mi in advance of project. Locations to be determined with City. All PCMS shall be installed with four Group 2 Channelizing Devices. Equipment shall be placed within City right of way.

**R/W LEGEND**

- Denotes Prop. Perm. Easement
- Denotes Prop. Temp. Construction Easement

SCALE: 0 100' 200'

PROJECT	SHEET NO.
0029-151-105	1K

Rinker Design Associates, P.C.  
 Civil Engineering - Environmental  
 Transportation - Right of Way Services

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
 SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
 DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373.  
 SUBSURFACE UTILITY PROVIDED BY Accumark (2011)

# TMP/SOC Phase 2

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 Manassas, Virginia  
 PROFESSIONAL ENGINEER

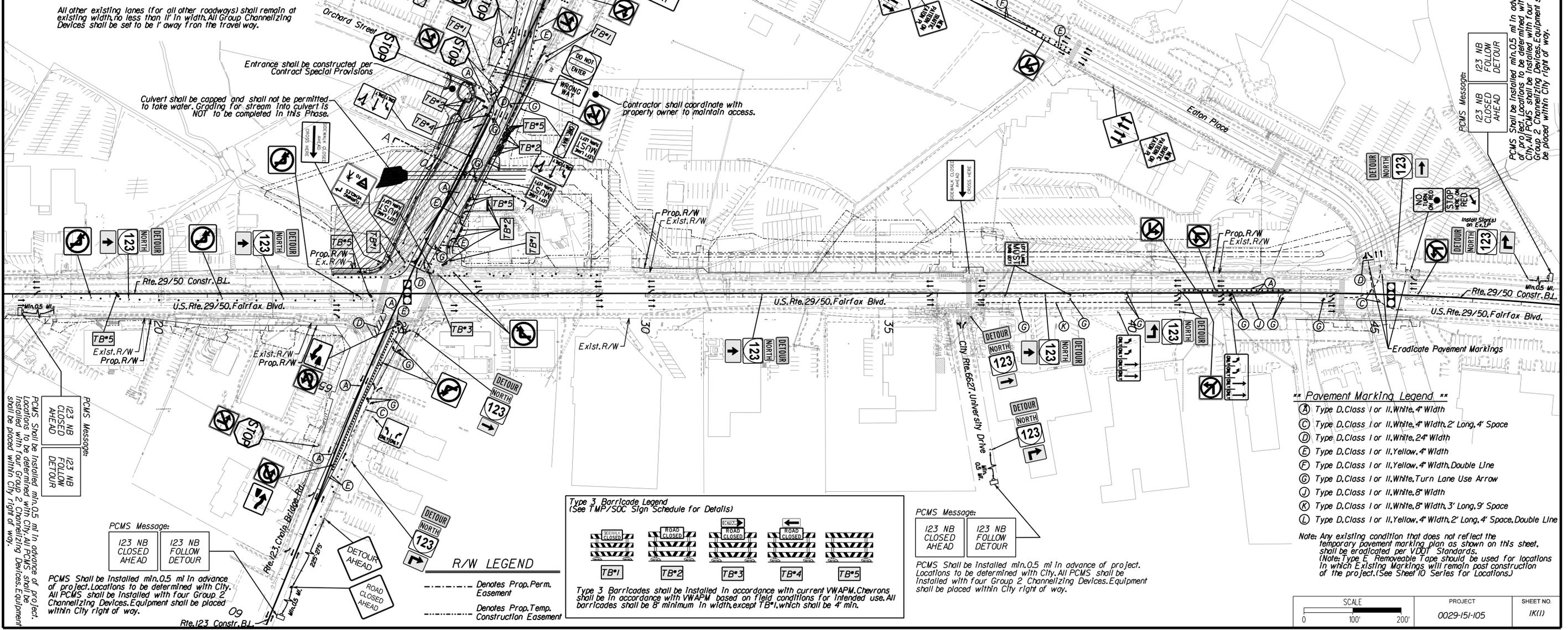
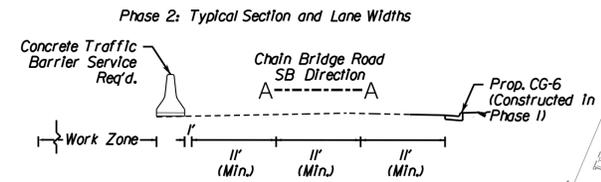
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0029-151-105 P101, P102, R201, C501	1K(1)

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

**PHASE 2: Sequence of Construction**  
 1. The Contractor is to construct the box culvert under existing southbound Route 123 as shown. The Contractor is to implement a detour for northbound Route 123 as shown.  
 - All 3 signals shown to be modified shall have a signal modification plan submitted by the Contractor for the City to review/approve.  
 - The Contractor will be required to install additional PCMS prior to the start of construction in accordance with the contract special provisions.  
 2. The Contractor is to coordinate with utilities for the bracing/protection/relocation of utilities in the vicinity of the portion of the box culvert to be constructed in this phase.  
 3. The Contractor is to install temporary pavement as shown and also construct the widening of southbound Route 123 between Fairfax Blvd. and Orchard Street as shown.  
 - The Contractor is to implement VWAPM TTC-16.0, ITD & 42.0 to construct temporary pavement areas. (Signs not shown).  
 - The proposed signal at Route 123/Orchard Street is not to be constructed in this phase.  
 4. Following this Phase, as part of the TMP/SOC (Maintenance of Traffic pay Item) the Contractor shall restore the existing conditions at Route 123/Eaton Place, Eaton Place/Service Road and remove all temporary conditions installed on Eaton Place.

**Suggested TMP/SOC Legend: Phase 2**

- ➔ Denotes Flow of Traffic
- ..... Denotes Group 2 Channelizing Devices
- ▨ Denotes Construction Work Zone, This Phase
- ▧ Denotes Impact Attenuator
- ▩ Denotes Type 3 Barricade
- ✱ Denotes Temp. Flexible Post Detectors (Spaced at 6' apart)
- ☐ Denotes Portable Changeable Message Sign (PCMS)
- ▭ Denotes Temporary Pavement [See Sheet 2A41]
- ⦿ Denotes Temporary Signal Modification Req'd
- ⊥ Denotes Proposed Wood Sign Post [Some locations require portable wood post.]



PCMS Message:  
 123 NB CLOSED AHEAD  
 123 NB FOLLOW DETOUR

**Type 3 Barricade Legend**  
 (See TMP/SOC Sign Schedule for Details)

Type 3 Barricades shall be installed in accordance with current VWAPM. Chevrons shall be in accordance with VWAPM based on field conditions for intended use. All barricades shall be 8' minimum in width, except TB\*1, which shall be 4' min.

PCMS Message:  
 123 NB CLOSED AHEAD  
 123 NB FOLLOW DETOUR

PCMS shall be installed min. 0.5 mi in advance of project. Locations to be determined with City. All PCMS shall be installed with four Group 2 Channelizing Devices. Equipment shall be placed within City right of way.

- \*\* Pavement Marking Legend \*\***
- (A) Type D, Class 1 or II, White, 4" Width
  - (C) Type D, Class 1 or II, White, 4" Width, 2' Long, 4" Space
  - (D) Type D, Class 1 or II, White, 24" Width
  - (E) Type D, Class 1 or II, Yellow, 4" Width
  - (F) Type D, Class 1 or II, Yellow, 4" Width, Double Line
  - (G) Type D, Class 1 or II, White, Turn Lane Use Arrow
  - (J) Type D, Class 1 or II, White, 8" Width
  - (K) Type D, Class 1 or II, White, 8" Width, 3' Long, 9" Space
  - (L) Type D, Class 1 or II, Yellow, 4" Width, 2' Long, 4" Space, Double Line
- Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E Removable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 10 Series for Locations.)

SCALE: 0 100' 200'

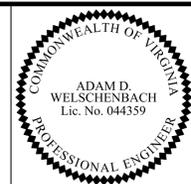
PROJECT	SHEET NO.
0029-151-105	1K(1)

Rinker Design Associates, P.C.  
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 Manassas, VA 20108  
 (703) 368-7373  
 www.rinker.com

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DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY Accumatk (2011)

**PHASE 3A: Sequence of Construction**  
1. Prior to the start of this Phase, the Contractor shall install temporary pavement at the existing Fairfax Blvd./Route 123 intersection's channelization islands and modify the signal for the lane channelization shown. Signal modification plan is to be submitted by the Contractor for review/approval of the City.  
2. The Contractor is to re-stripe (and set channeling devices and TMP/SOC features) on Route 123 and Fairfax Blvd. as shown.  
- Contractor is to remove conflicting/previous Phase pavement markings.  
3. The Contractor is to install temporary pavement and install new waterline on Fairfax Blvd. from approx. 29+50 to Eaton Place as shown.  
- The Contractor is to implement VWAPM TTC-16.0, 17.0 & 42.0 to construct temporary pavement areas. (Not all signs are shown.)  
- Signals at Fairfax Blvd./University Drive and Fairfax Blvd./Eaton Place shall be modified and signal modification plan shall be submitted by Contractor for review/approval of the City.

# TMP/SOC Phase 3A

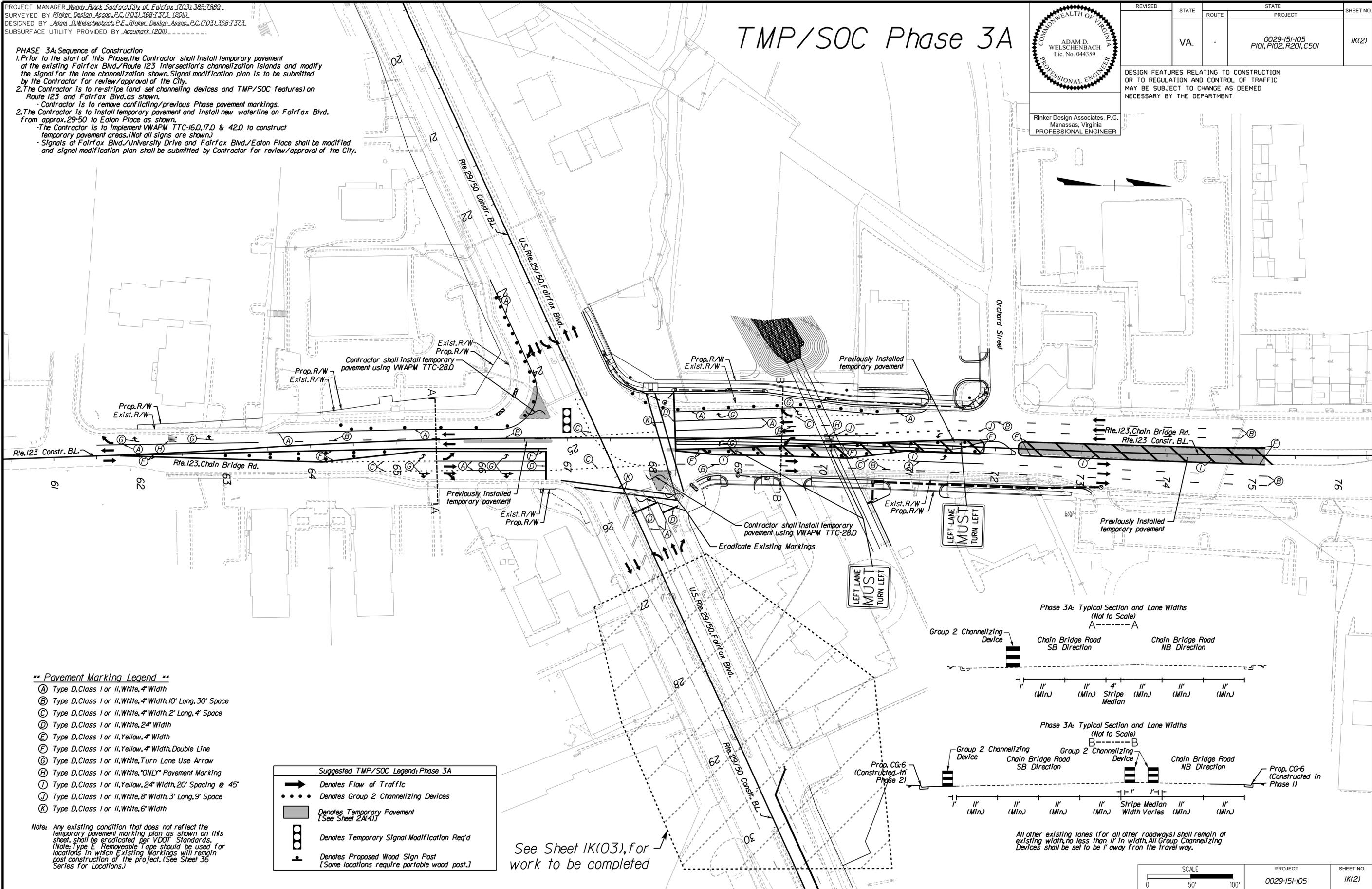


Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K(2)

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

Office Locations  
Rinker Design Associates, P.C.  
Civil Engineering  
Transportation  
Right of Way Services



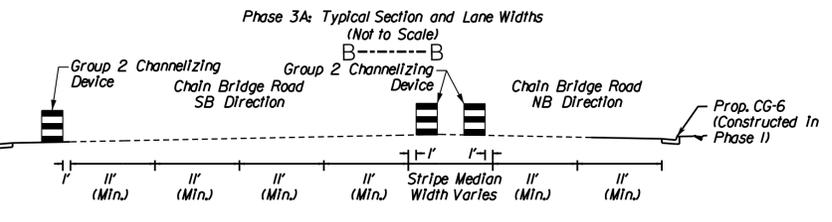
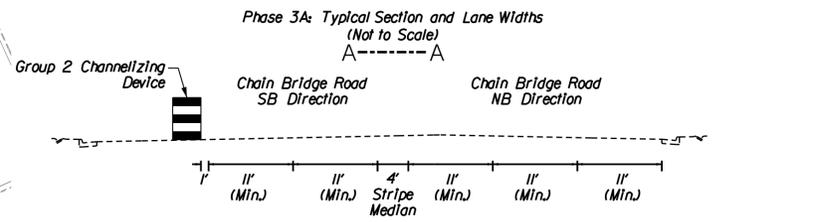
- \*\* Pavement Marking Legend \*\***
- (A) Type D, Class I or II, White, 4" Width
  - (B) Type D, Class I or II, White, 4" Width, 10' Long, 30' Space
  - (C) Type D, Class I or II, White, 4" Width, 2' Long, 4' Space
  - (D) Type D, Class I or II, White, 2 1/2" Width
  - (E) Type D, Class I or II, Yellow, 4" Width
  - (F) Type D, Class I or II, Yellow, 4" Width, Double Line
  - (G) Type D, Class I or II, White, Turn Lane Use Arrow
  - (H) Type D, Class I or II, White, "ONLY" Pavement Marking
  - (I) Type D, Class I or II, Yellow, 2 1/2" Width, 20' Spacing @ 45°
  - (J) Type D, Class I or II, White, 8" Width, 3' Long, 9' Space
  - (K) Type D, Class I or II, White, 6" Width

**Suggested TMP/SOC Legend: Phase 3A**

- Denotes Flow of Traffic
- Denotes Group 2 Channelizing Devices
- Denotes Temporary Pavement [See Sheet 2A(4)]
- Denotes Temporary Signal Modification Req'd
- Denotes Proposed Wood Sign Post [Some locations require portable wood post.]

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E, Removable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 36 Series for Locations.)

See Sheet 1K(03), for work to be completed

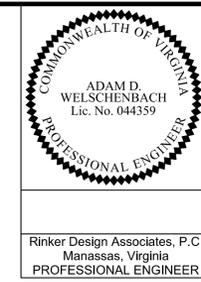


All other existing lanes (for all other roadways) shall remain at existing width, no less than 11' in width. All Group Channelizing Devices shall be set to be 1' away from the travel way.

SCALE 0 50 100'	PROJECT 0029-151-105	SHEET NO. 1K(2)
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PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
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DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY Accumack (2011)

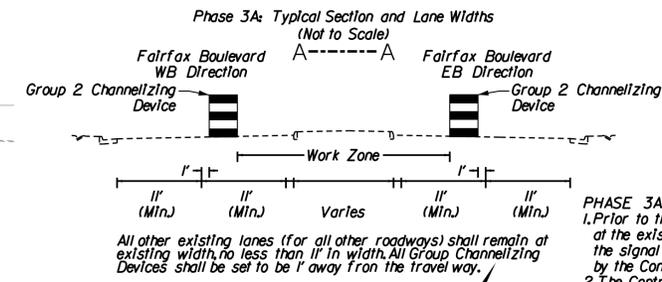
# TMP/SOC Phase 3A Cont.



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K(3)

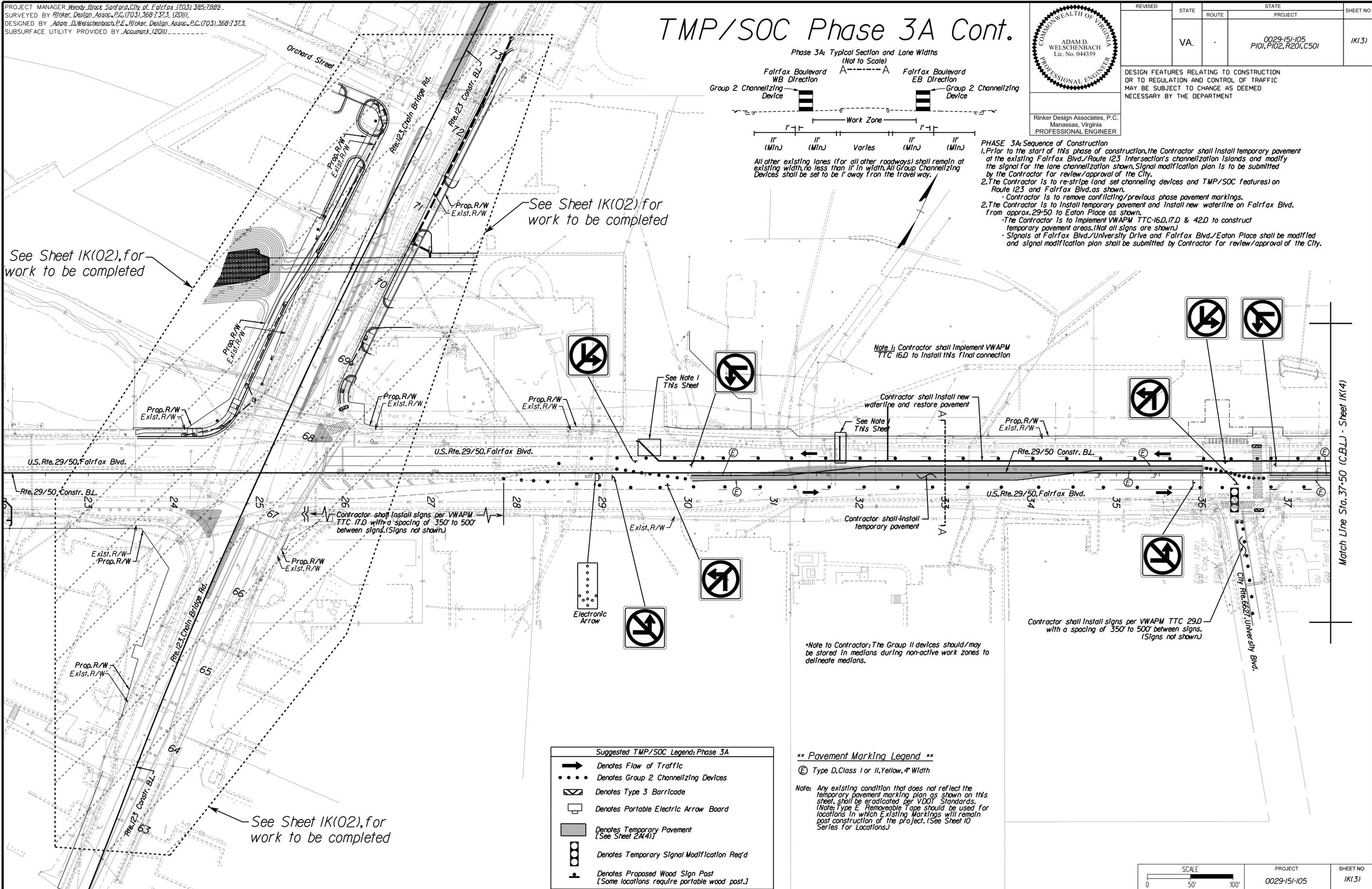
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER



**PHASE 3A: Sequence of Construction**

1. Prior to the start of this phase of construction, the Contractor shall install temporary pavement at the existing Fairfax Blvd./Route 123 Intersection's channelization islands and modify the signal for the lane channelization shown. Signal modification plan is to be submitted by the Contractor for review/approval of the City.
2. The Contractor is to re-stripe (and set channelizing devices and TMP/SOC features) on Route 123 and Fairfax Blvd. as shown.
  - Contractor is to remove conflicting/previous phase pavement markings.
  - 3. The Contractor is to install temporary pavement and install new waterline on Fairfax Blvd. from approx. 29+50 to Eaton Place as shown.
  - The Contractor is to implement VWAPM TTC-16.0, 17.0 & 42.0 to construct temporary pavement areas. (Not all signs are shown.)
  - Signals at Fairfax Blvd./University Drive and Fairfax Blvd./Eaton Place shall be modified and signal modification plan shall be submitted by Contractor for review/approval of the City.



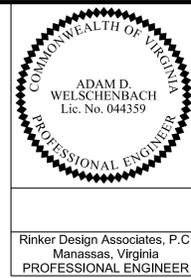
- Suggested TMP/SOC Legend: Phase 3A**
- Denotes Flow of Traffic
  - Denotes Group 2 Channelizing Devices
  - Denotes Type 3 Barricade
  - Denotes Portable Electric Arrow Board
  - Denotes Temporary Pavement [See Sheet 2A(4)]
  - Denotes Temporary Signal Modification Req'd
  - Denotes Proposed Wood Sign Post [Some locations require portable wood post.]

- \*\* Pavement Marking Legend \*\***
- Type D, Class I or II, Yellow, 4" Width
- Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E Removeable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 10 Series for Locations.)

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SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

# TMP/SOC Phase 3A Cont.

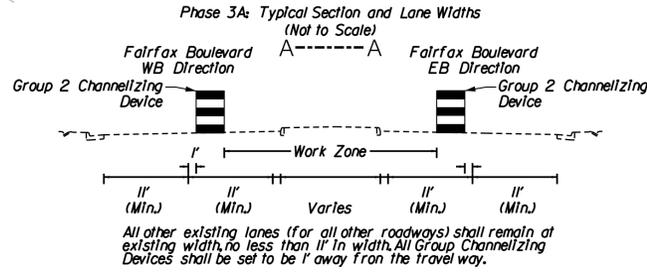


REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	1K(4)

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

**PHASE 3A: Sequence of Construction**

- Prior to the start of this phase of construction, the Contractor shall install temporary pavement at the existing Fairfax Blvd./Route 123 Intersection's channellization Islands and modify the signal for the lane channellization shown. Signal modification plan is to be submitted by the Contractor for review/approval of the City.
- The Contractor is to re-stripe (and set channelling devices and TMP/SOC features) on Route 123 and Fairfax Blvd. as shown.
  - Contractor is to remove conflicting/previous phase pavement markings.
  - The Contractor is to install temporary pavement and install new waterline on Fairfax Blvd. from approx. 29+50 to Eaton Place as shown.
  - The Contractor is to implement VWAPM TTC-16.0, 17.0 & 42.0 to construct temporary pavement areas. (Not all signs are shown.)
  - Signals at Fairfax Blvd./University Drive and Fairfax Blvd./Eaton Place shall be modified and signal modification plan shall be submitted by Contractor for review/approval of the City.



The Contractor shall implement VWAPM TTC-42.0, 16.0 & 17.0 as needed to construct Waterline Connection.

Note 1: Contractor shall implement VWAPM TTC 16.0 to install this final connection

Contractor shall install a temporary DI-7 (top) with a load carry grate Type B. Contractor shall remove only the existing structure top. Field modification may be required. Contractor shall install top flush with the existing pavement.

Contractor shall install new waterline and restore pavement  
See Note 1 This Sheet

Prop. R/W  
Exist. R/W

Contractor shall install temporary pavement

Contractor shall install temporary pavement

Exist. R/W  
Prop. R/W

Contractor shall install signs per VWAPM TTC 27.0 with a spacing of 350' to 500' between signs. (Signs not shown.)

Note: At Eaton Place/Fairfax Blvd Intersection, the WB 50 Left Turn Lane and Entrance shall remain closed for duration of Phase.

Contractor shall restore traffic pattern prior to start of this phase, but is not to reinstall conc. median at this time.

\*Note to Contractor: The Group II devices should/may be stored in medians during non-active work zones to delineate medians.

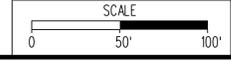
### \*\* Pavement Marking Legend \*\*

(E) Type D, Class I or II, Yellow, 4" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E, Removable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 10 Series for Locations.)

**Suggested TMP/SOC Legend: Phase 3A**

	Denotes Flow of Traffic
	Denotes Group 2 Channelling Devices
	Denotes Type 3 Barricade
	Denotes Portable Electric Arrow Board
	Denotes Temporary Pavement
	Denotes Temporary Signal Modification Req'd

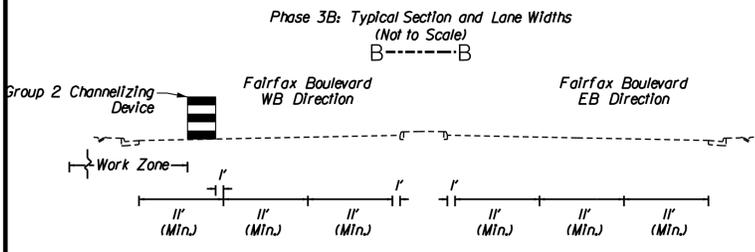
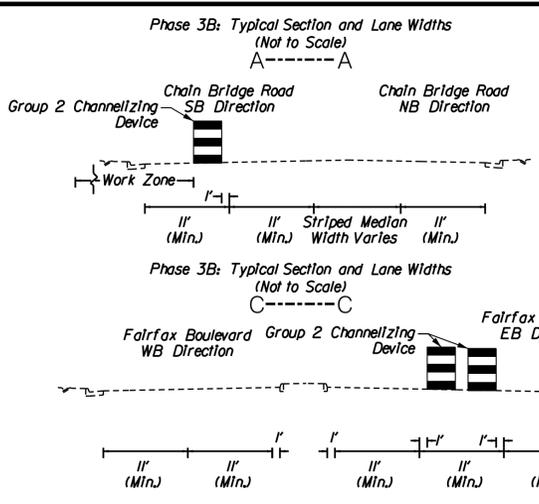


PROJECT	SHEET NO.
0029-151-105	1K(4)

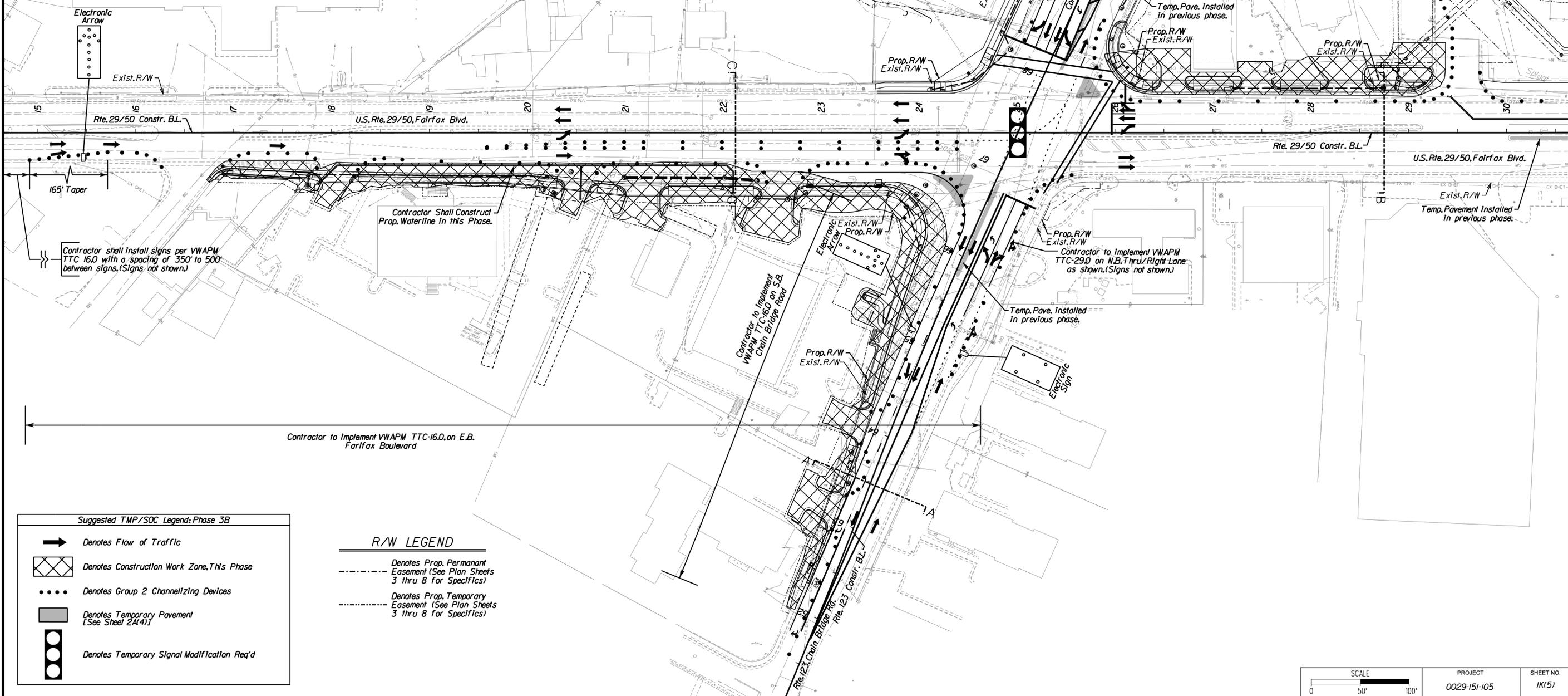


PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
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DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

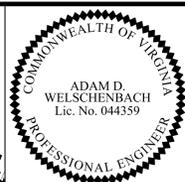
**PHASE 3B: Sequence of Construction**  
1. The Contractor is to construct all areas designated for construction for Phase 3B implementing the VWAPM TTC's outlined on this sheet.  
2. The Contractor shall construct the proposed W/L along Fairfax Blvd. between 18+00 and 22+00.  
3. For pedestrian considerations, the Contractor shall construct the improvements along Fairfax Blvd. between Sta. 26+00 LT to Sta. 29+50 LT following the construction of the southwest quadrant.  
4. Phase 4 shall be under construction concurrently with this phase. See Phase 4 for details.



All other existing lanes (for all other roadways) shall remain at existing width no less than 11' in width. All Group Channelizing Devices shall be set to be 1' away from the travel way.



# TMP/SOC Phase 3B



Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0029-151-105 PI01, PI02, R201, C501	1K(15)

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

**Suggested TMP/SOC Legend: Phase 3B**

- ➔ Denotes Flow of Traffic
- ▨ Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- ▭ Denotes Temporary Pavement [See Sheet 2A(4)]
- ⦿ Denotes Temporary Signal Modification Req'd

**R/W LEGEND**

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 For Specifics)
- - - Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 For Specifics)

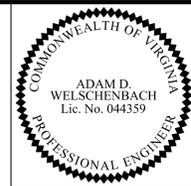
SCALE 0 50 100'

PROJECT 0029-151-105 SHEET NO. 1K(15)

Rinker Design Associates, P.C.  
Civil Engineering  
Mechanical Engineering  
Transportation Engineering  
Right of Way Services

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373.  
SUBSURFACE UTILITY PROVIDED BY AccuTrack (2011)

# TMP/SOC Phase 3C

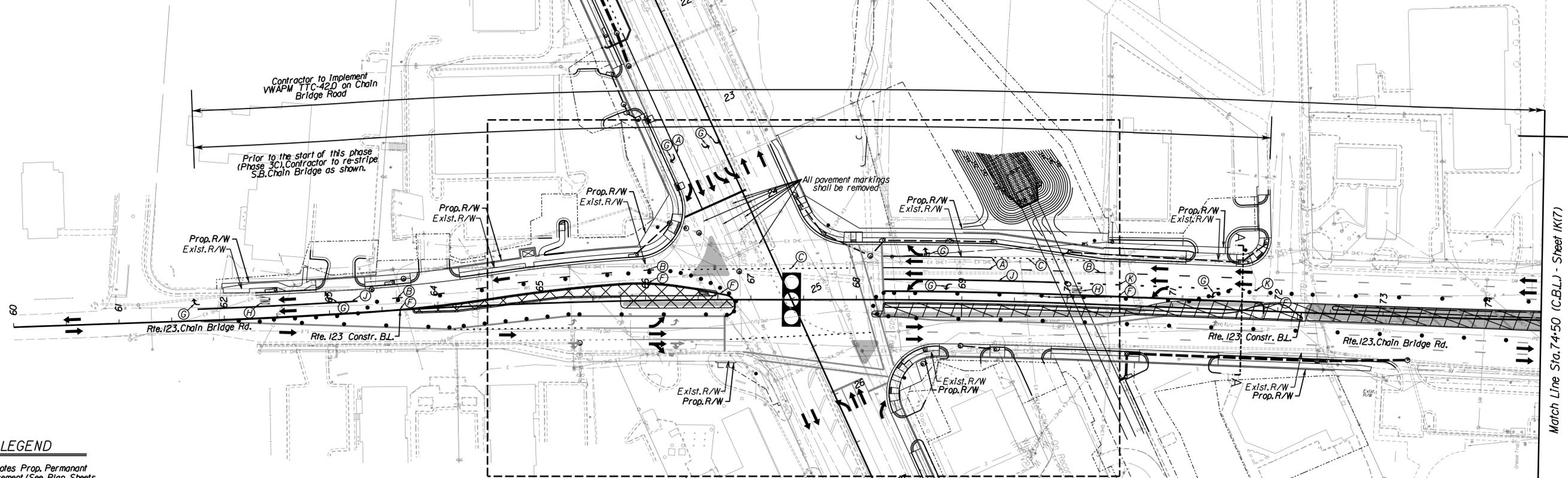
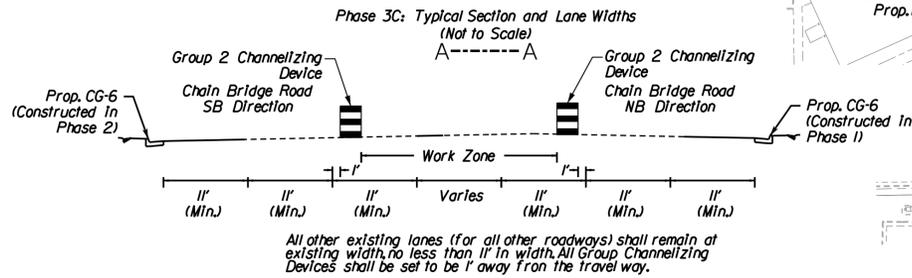


Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0029-151-105 P101, P102, R201, C501	1K(16)

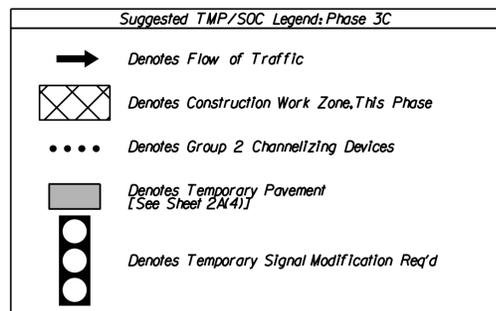
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

- PHASE 3C: Sequence of Construction**
- The Contractor shall re-stripe the Intersection of Fairfax Blvd./Route 123 and modify the signal to accommodate the lane channellization shown.
  - The Contractor is to construct all the remaining median improvements along Route 123 within the project limits as shown.
  - Additionally the Contractor is to construct the signal at Route 123/Orchard Street.
  - Following the construction of the newly proposed medians on Route 123, the Contractor is to restripe the Intersection of Fairfax Blvd./Route 123 as shown on Sheet 1K107.



### R/W LEGEND

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- - - - Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)

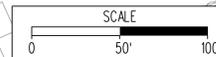


### \*\* Pavement Marking Legend \*\*

- (A) Type D, Class I or II, White, 4" Width
- (B) Type D, Class I or II, White, 4" Width, 10' Long, 30' Space
- (C) Type D, Class I or II, White, 4" Width, 2' Long, 4' Space
- (D) Type D, Class I or II, White, 2 1/2" Width
- (E) Type D, Class I or II, Yellow, 4" Width
- (F) Type D, Class I or II, Yellow, 4" Width, Double Line
- (G) Type D, Class I or II, White, Turn Lane Use Arrow
- (H) Type D, Class I or II, White, "ONLY" Pavement Marking
- (I) Type D, Class I or II, Yellow, 2 1/2" Width, 20' Spacing @ 45°
- (J) Type D, Class I or II, White, 8" Width
- (K) Type D, Class I or II, White, 8" Width, 3' Long, 9' Space

See Inset on Sheet 1K(4) for Pavement Marking after completion of construction in TMP/SOC Phase 3C

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E Removeable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 10 Series for Locations.)



PROJECT	SHEET NO.
0029-151-105	1K(16)

PROJECT MANAGER *Wendy Block Sanford, City of Fairfax (703) 385-7889*  
 SURVEYED BY *Rinker Design Assoc., P.C. (703) 368-7373 (2011)*  
 DESIGNED BY *Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373*  
 SUBSURFACE UTILITY PROVIDED BY *Accumack (2011)*

# TMP/SOC Phase 3C Cont.

COMMONWEALTH OF VIRGINIA  
 ADAM D. WELSCHENBACH  
 Lic. No. 044359  
 PROFESSIONAL ENGINEER

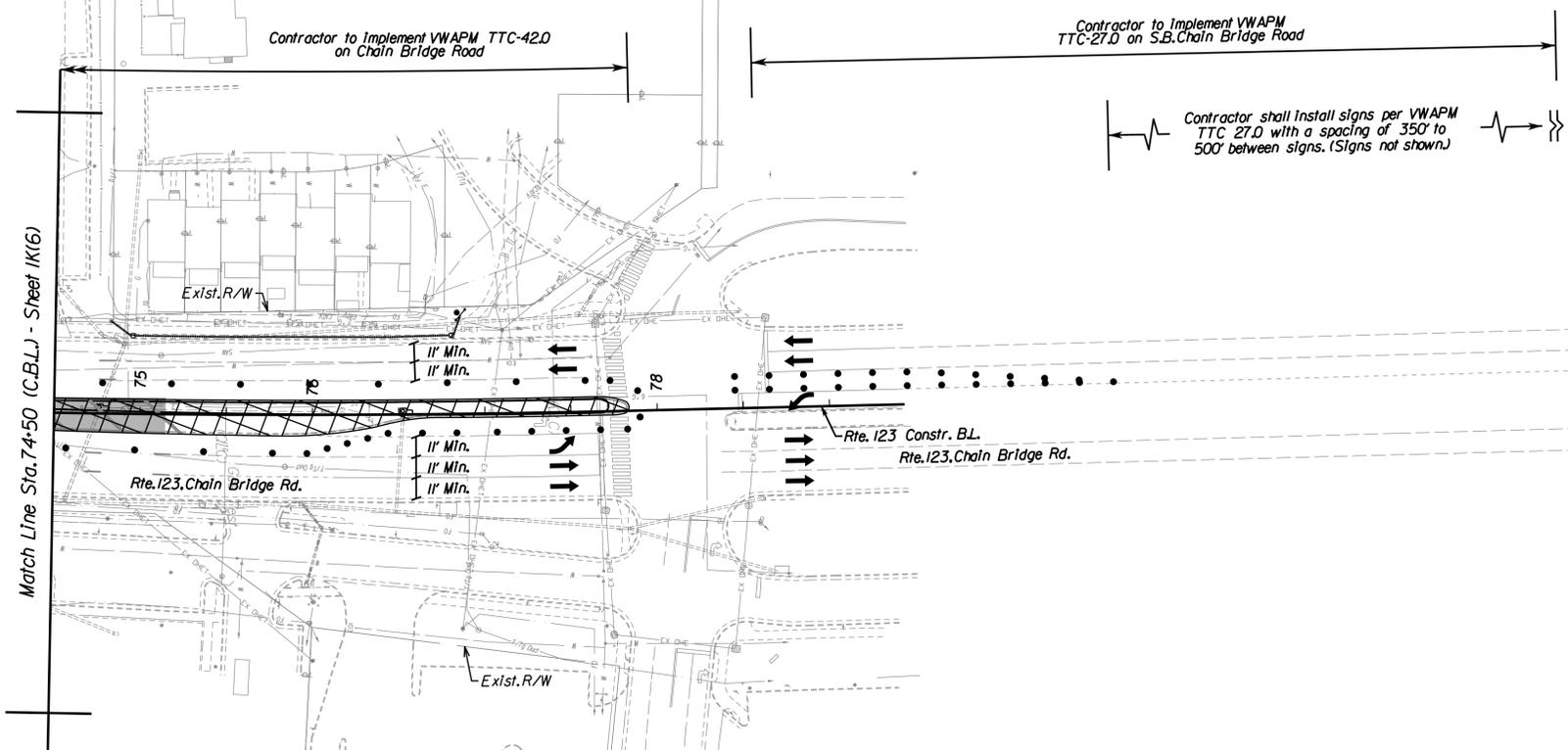
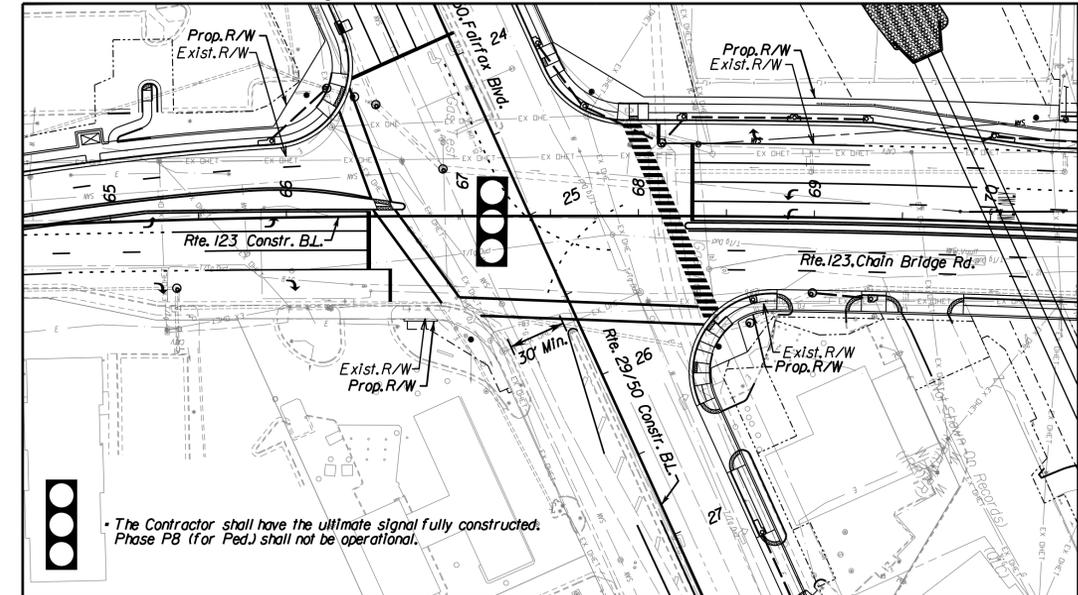
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	1K(7)

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

**PHASE 3C: Sequence of Construction**  
 1. The Contractor shall re-stripe the Intersection of Fairfax Blvd./Route 123 and modify the signal to accommodate the lane channelization shown.  
 2. The Contractor is to construct all the remaining median Improvements along Route 123 within the project limits as shown.  
 - Additionally the Contractor is to construct the signal at Route 123/Orchard Street.  
 3. Following the construction of the newly proposed medians on Route 123, the Contractor is to restripe the Intersection of Fairfax Blvd./Route 123 as shown on Sheet 1K107.

## U.S. Rte. 29/50 and Rte.123 Intersection Pavement Marking at Completion of Construction in Phase 3C



**Suggested TMP/SOC Legend: Phase 3C**

- Denotes Flow of Traffic
- Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- Denotes Temporary Pavement [See Sheet 2A(4)]
- Denotes Temporary Signal Modification Req'd

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E Removable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 10 Series for Locations.)

### R/W LEGEND

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)



PROJECT	SHEET NO.
0029-151-105	1K(7)

**Rinker**  
 Design Associates, P.C.  
 Civil Engineers  
 Transportation - Environmental  
 Right of Way Services

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373.  
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

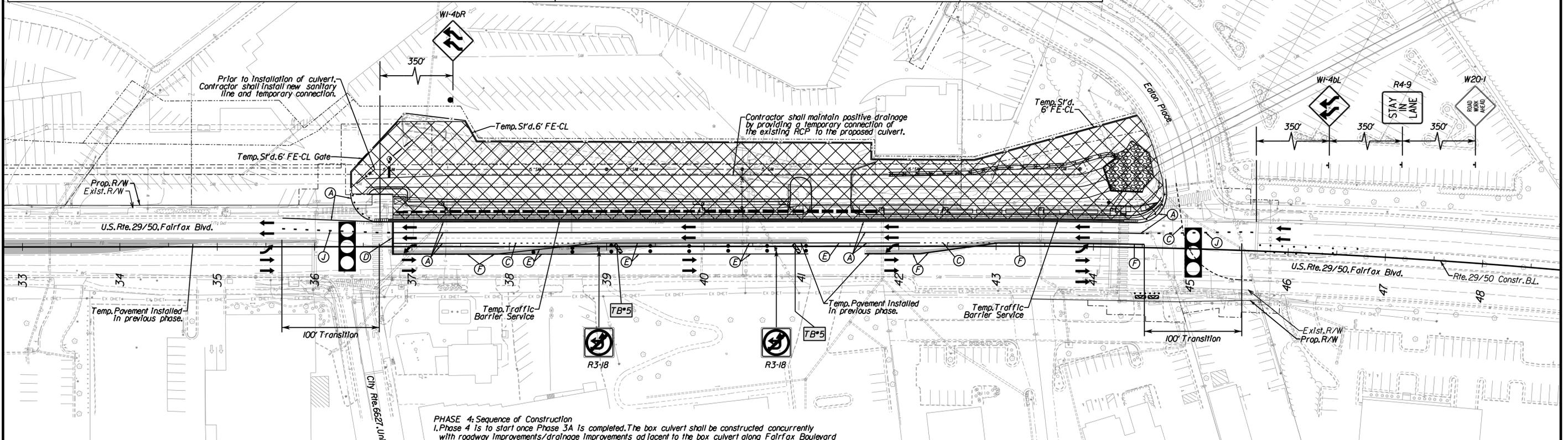
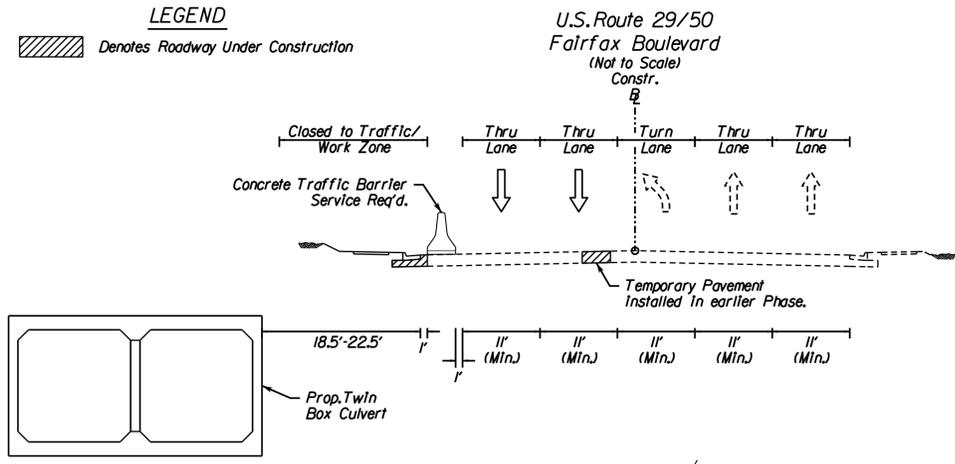
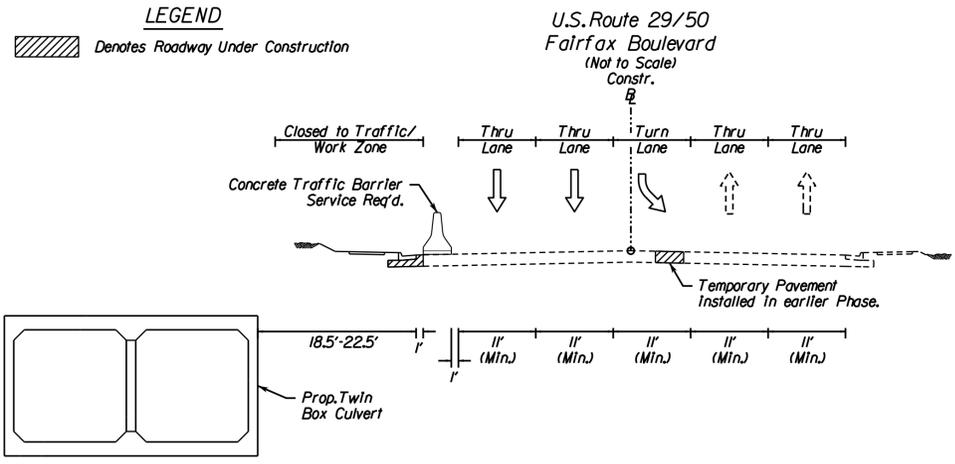
# TMP/SOC Phase 4

COMMONWEALTH OF VIRGINIA  
ADAM D. WELSCHENBACH  
Lic. No. 044359  
PROFESSIONAL ENGINEER

Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K(8)

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



**PHASE 4: Sequence of Construction**

1. Phase 4 is to start once Phase 3A is completed. The box culvert shall be constructed concurrently with roadway improvements/drainage improvements adjacent to the box culvert along Fairfax Boulevard and elsewhere within the project limits as shown in Phases 3B and 3C.

2. The Contractor shall start construction at the downstream end of the box culvert as shown in this Phase.

- Prior to starting construction, the Contractor shall shift traffic on Fairfax Boulevard, set TMP/SOC features/devices, and re-reshape the roadway as shown on this sheet.
- The signal at University Drive/Fairfax Boulevard shall be modified.
- The Contractor shall coordinate with property owners per Contract Special Provisions.
- Prior to starting construction of the proposed culvert in this Phase, the Contractor shall construct the proposed sanitary line and provide a temporary connection as shown.

**Suggested TMP/SOC Legend: Phase 4**

- Denotes Flow of Traffic
- Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- Denotes Impact Attenuator
- Denotes Type 3 Barricade
- Denotes Temporary Pavement [See Sheet 2A(4)]
- Denotes Temporary Signal Modification Req'd
- Denotes Proposed Wood Sign Post [Some locations require portable wood post.]

**R/W LEGEND**

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)

**\*\* Pavement Marking Legend \*\***

- (A) Type D, Class 1 or II, White, 4' Width
- (C) Type D, Class 1 or II, White, 4' Width, 2' Long, 4' Space
- (D) Type D, Class 1 or II, White, 24" Width
- (E) Type D, Class 1 or II, Yellow, 4' Width
- (F) Type D, Class 1 or II, Yellow, 4' Width, Double Line, 4' Space
- (J) Type D, Class 1 or II, White, 8' Width, 3' Long, 9' Space

**Type 3 Barricade Legend**

Type 3 Barricades shall be installed in accordance with current VWAPM. Chevrons shall be in accordance with VWAPM based on field conditions for intended use. All barricades shall be 8' minimum in width, except TB\*1, which shall be 4' min.

Note: All lanes shall be 11' in width. There shall be a 1' shy line adjacent to any temporary traffic barrier service.

SCALE 0 50 100'

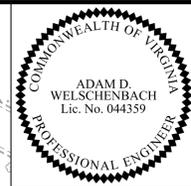
PROJECT 0029-151-105

SHEET NO. 1K(8)

Rinker Design Associates, P.C.  
 Civil Engineers  
 Transportation - Environmental  
 Right-of-Way Services  
 Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

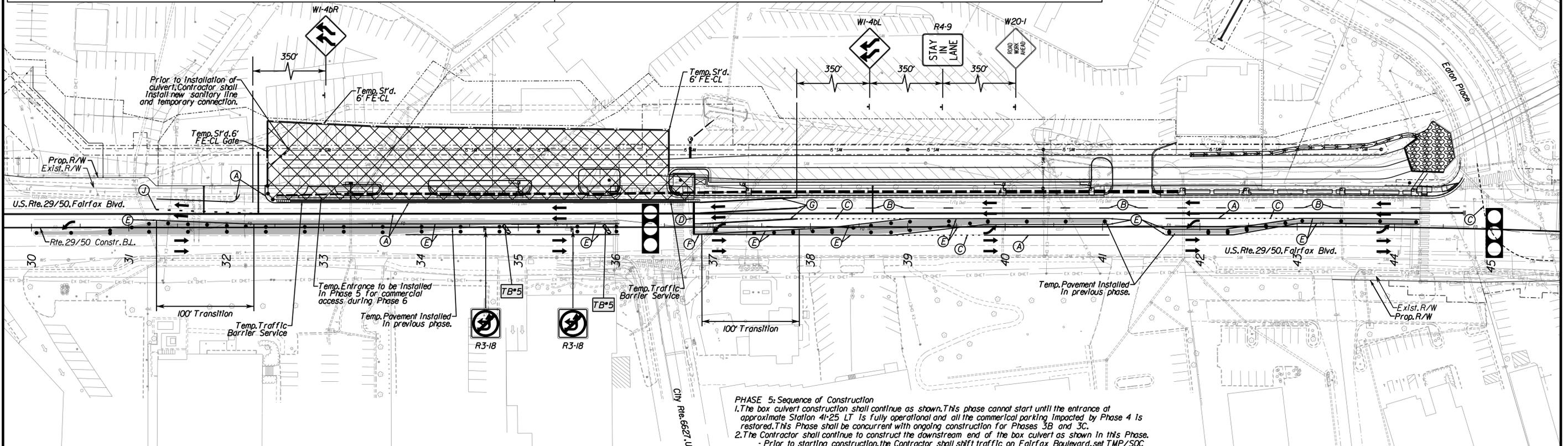
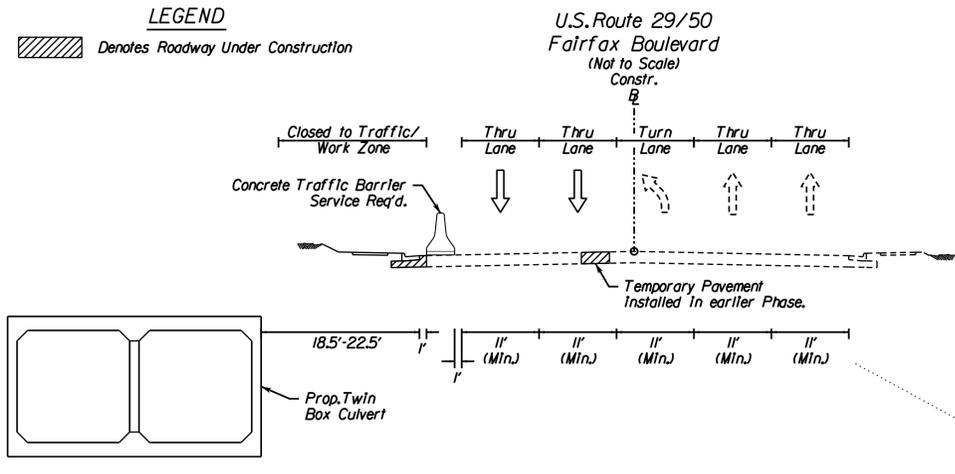
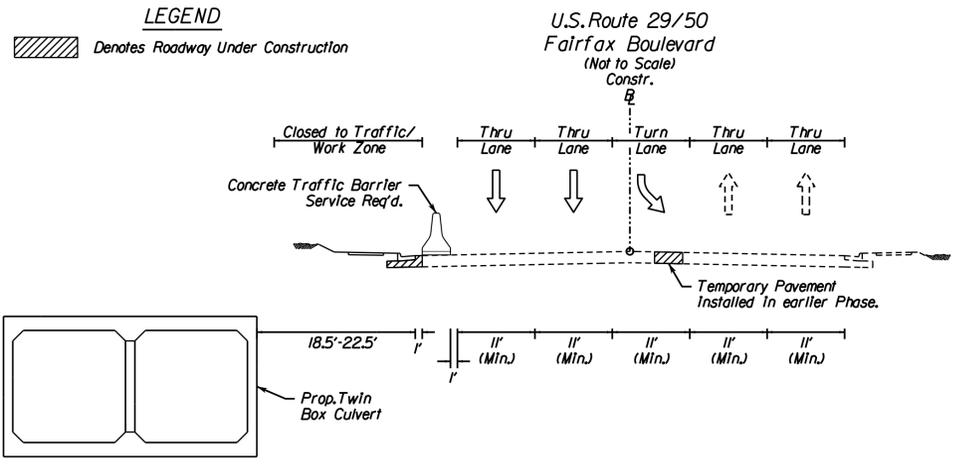
# TMP/SOC Phase 5



Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

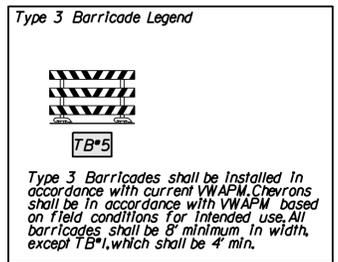
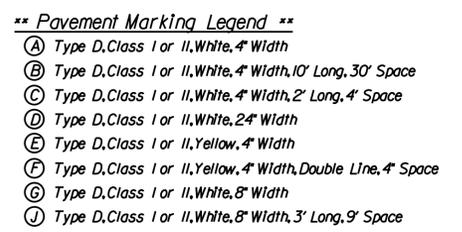
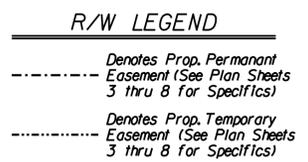
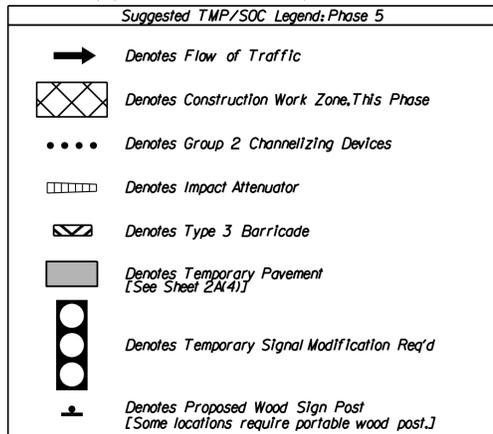
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K(9)

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



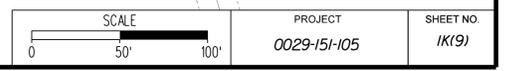
**PHASE 5: Sequence of Construction**

- The box culvert construction shall continue as shown. This phase cannot start until the entrance at approximate Station 41+25 LT is fully operational and all the commercial parking impacted by Phase 4 is restored. This Phase shall be concurrent with ongoing construction for Phases 3B and 3C.
- The Contractor shall continue to construct the downstream end of the box culvert as shown in this Phase.
  - Prior to starting construction, the Contractor shall shift traffic on Fairfax Boulevard, set TMP/SOC features/devices, and re-strip the roadway as shown on this sheet.
  - The signal at University Drive/Fairfax Boulevard shall be modified.
  - The Contractor shall coordinate with property owners per contract Special Provisions.
  - Prior to starting construction of the proposed culvert in this Phase, the Contractor shall construct the proposed sanitary line and provide a temporary connection as shown.



Note: All lanes shall be 11' in width. There shall be a 1' shy line adjacent to any temporary traffic barrier service.

Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E, Removeable Tape should be used for locations in which Existing Markings will remain post construction of the project. (See Sheet 10 Series for Locations.)



Rinker Design Associates, P.C. 4/20/2016

PROJECT MANAGER Wendy Block, Sanford, City of Fairfax, (703) 385-7889  
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY AccuTrack (2011)

**PHASE 6: Sequence of Construction**

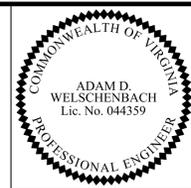
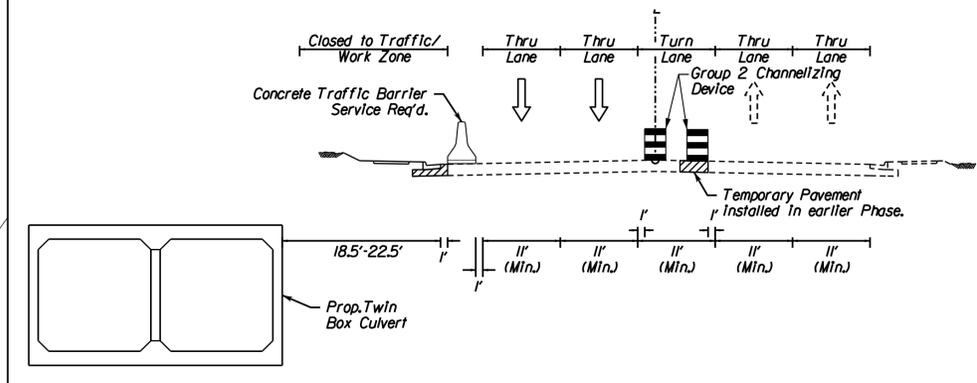
- The box culvert construction shall be continue shown. This Phase cannot start until the entrance at approx. Sta. 33+00 LT is fully operational and all the commercial parking impacted by Phases 4 & 5 can be restored. It is expected that by Phase 5, all Route 123 improvements outlined in Phases 3B & 3C will have been completed.
- The Contractor shall continue construct the downstream end of the box culvert as shown in this Phase.
  - Prior to starting, as shown in this sheet, the contractor shall shift Fairfax Blvd. and set TMP/SOC features/devices for this segment of Fairfax Blvd.
  - The Signal at University Drive/Fairfax Blvd. shall be modified.
  - The Contractor shall coordinate with property owners per Contract Special Provisions.
  - Prior to starting construction of the proposed culvert in this Phase, the Contractor shall complete the construction of the proposed sanitary line as shown.
- Once the existing culvert is connected to proposed culvert via the storm sewer from proposed Str. 5-26 to 5-25, the Contractor shall perform the following tasks:
  - The temporary connection constructed in Phase 4 shall be removed and parking lots shall be fully restored.
  - Proposed Str. 6-9 and the storm sewer connection from existing Str. 43 to proposed Str. 6-10 shall be installed as shown.

Contractor to complete sanitary line in this phase. Contractor shall use metal plates (per VWAPM) and shall implement TTC-23.0 for construction. Coordination with City/Property owner Req'd. per Contract Special Provisions.

**LEGEND**

Denotes Roadway Under Construct

# TMP/SOC Phase 6

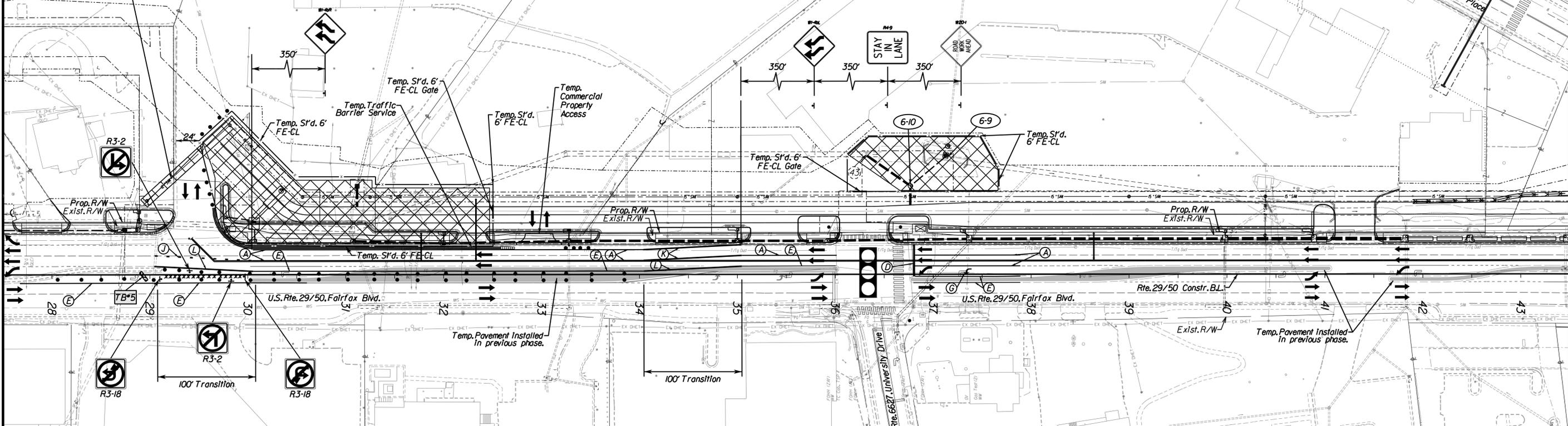


Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K(10)

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

Rinker Design Associates, P.C.  
Civil Engineering, Surveying, Environmental, Transportation, Right-of-Way Services



**Suggested TMP/SOC Legend: Phase 6**

- Denotes Flow of Traffic
- Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- Denotes Impact Attenuator
- Denotes Type 3 Barricade
- Denotes Temporary Pavement [See Sheet 2A(4)]
- Denotes Temporary Signal Modification Req'd
- Denotes Proposed Wood Sign Post [Some locations require portable wood post.]

**R/W LEGEND**

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)

**Type 3 Barricade Legend**

- TB\*5
- Type 3 Barricades shall be installed in accordance with current VWAPM. Chevrons shall be in accordance with VWAPM based on field conditions for intended use. All barricades shall be 8' minimum in width, except TB\*1, which shall be 4' min.

**\*\* Pavement Marking Legend \*\***

- (A) Type D, Class I or II, White, 4" Width
- (D) Type D, Class I or II, White, 24" Width
- (E) Type D, Class I or II, Yellow, 4" Width
- (G) Type D, Class I or II, White, Turn Lane Use Arrow
- (J) Type D, Class I or II, White, 8" Width, 3' Long, 9' Space
- (K) Type D, Class I or II, White, 8" Width
- (L) Type D, Class I or II, Yellow, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards. (Note: Type E-Removable Tape should be used for locations in which existing markings will remain post construction of the project. (See Sheet 10 Series for Locations.)



PROJECT	SHEET NO.
0029-151-105	1K(10)

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
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DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY Accumark (2011)

# TMP/SOC Phase 7

COMMONWEALTH OF VIRGINIA  
ADAM D. WELSCHENBACH  
Lic. No. 044359  
PROFESSIONAL ENGINEER

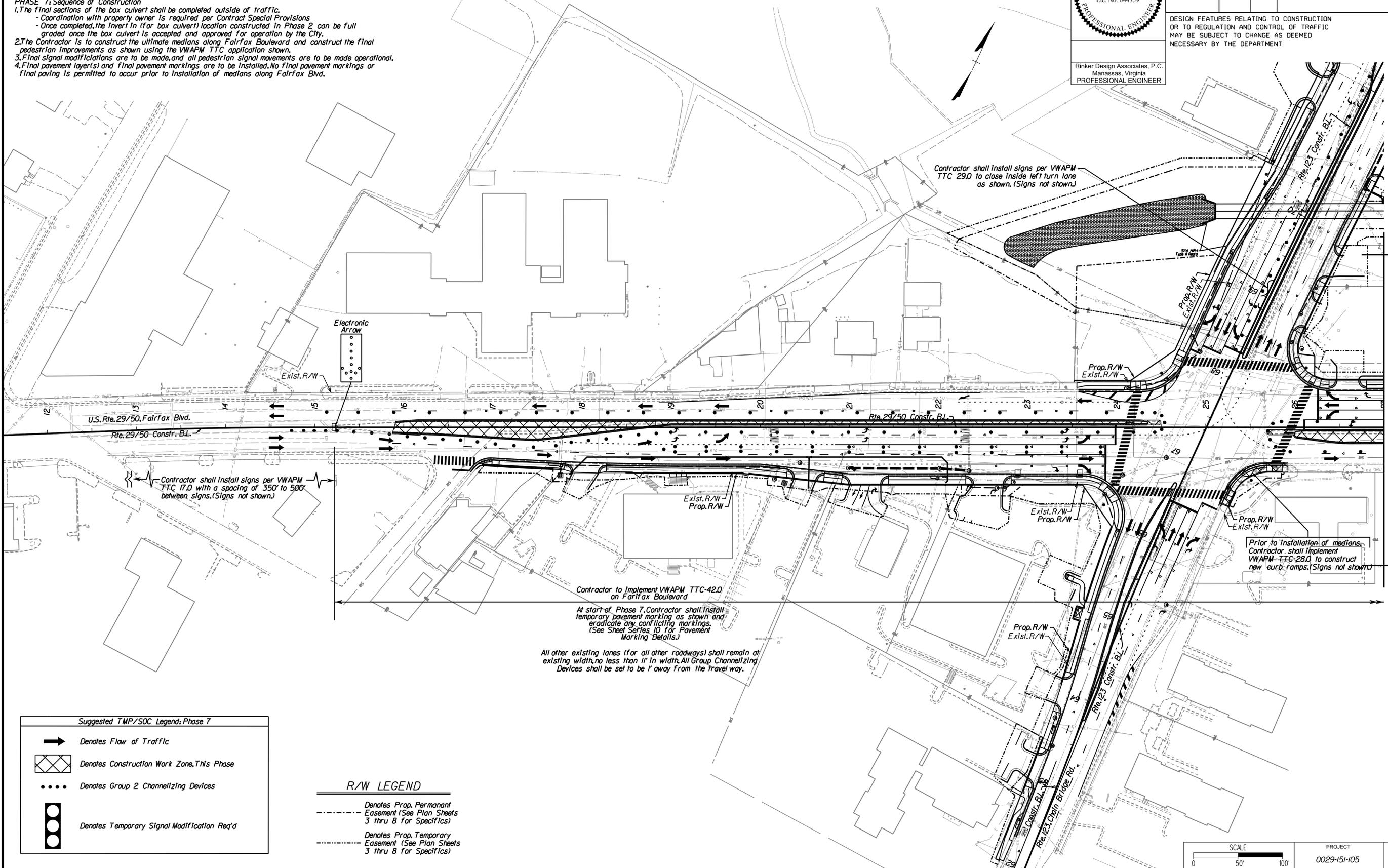
Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0029-151-105 PI01, PI02, R201, C501	1K(11)

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

- PHASE 7: Sequence of Construction**
- The final sections of the box culvert shall be completed outside of traffic.
    - Coordination with property owner is required per Contract Special Provisions
    - Once completed, the Invert In (for box culvert) location constructed in Phase 2 can be full graded once the box culvert is accepted and approved for operation by the City.
  - The Contractor is to construct the ultimate medians along Fairfax Boulevard and construct the final pedestrian improvements as shown using the VWAPM TTC application shown.
  - Final signal modifications are to be made, and all pedestrian signal movements are to be made operational.
  - Final pavement layer(s) and final pavement markings are to be installed. No final pavement markings or final paving is permitted to occur prior to installation of medians along Fairfax Blvd.

Office Locations  
 Rinker Design Associates, P.C.  
 10000 Old Dominion Blvd., Suite 100  
 Manassas, VA 20108  
 Phone: (703) 368-7373  
 Fax: (703) 368-7373  
 www.rinker.com



**Suggested TMP/SOC Legend: Phase 7**

- Denotes Flow of Traffic
- Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- Denotes Temporary Signal Modification Req'd

**R/W LEGEND**

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)

SCALE 0 50 100'

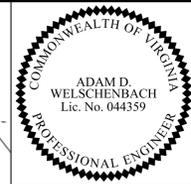
PROJECT 0029-151-105 SHEET NO. 1K(11)

Match Line Sta. 27+00 (C.B.L.) - Sheet 1K(12)

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
SUBSURFACE UTILITY PROVIDED BY AccuTrack (2011)

**PHASE 7: Sequence of Construction**  
1. The final sections of the box culvert shall be completed outside of traffic.  
- Coordination with property owner is required per Contract Special Provisions  
- Once completed, the invert in (for box culvert) location constructed in Phase 2 can be full graded once the box culvert is accepted and approved for operation by the City.  
2. The Contractor is to construct the ultimate medians along Fairfax Boulevard and construct the final pedestrian improvements as shown using the VWAPM TTC application shown.  
3. Final signal modifications are to be made, and all pedestrian signal movements are to be made operational.  
4. Final pavement layer(s) and final pavement markings are to be installed. No final pavement markings or final paving is permitted to occur prior to installation of medians along Fairfax Blvd.

# TMP/SOC Phase 7 Cont.



Rinker Design Associates, P.C.  
Manassas, Virginia  
PROFESSIONAL ENGINEER

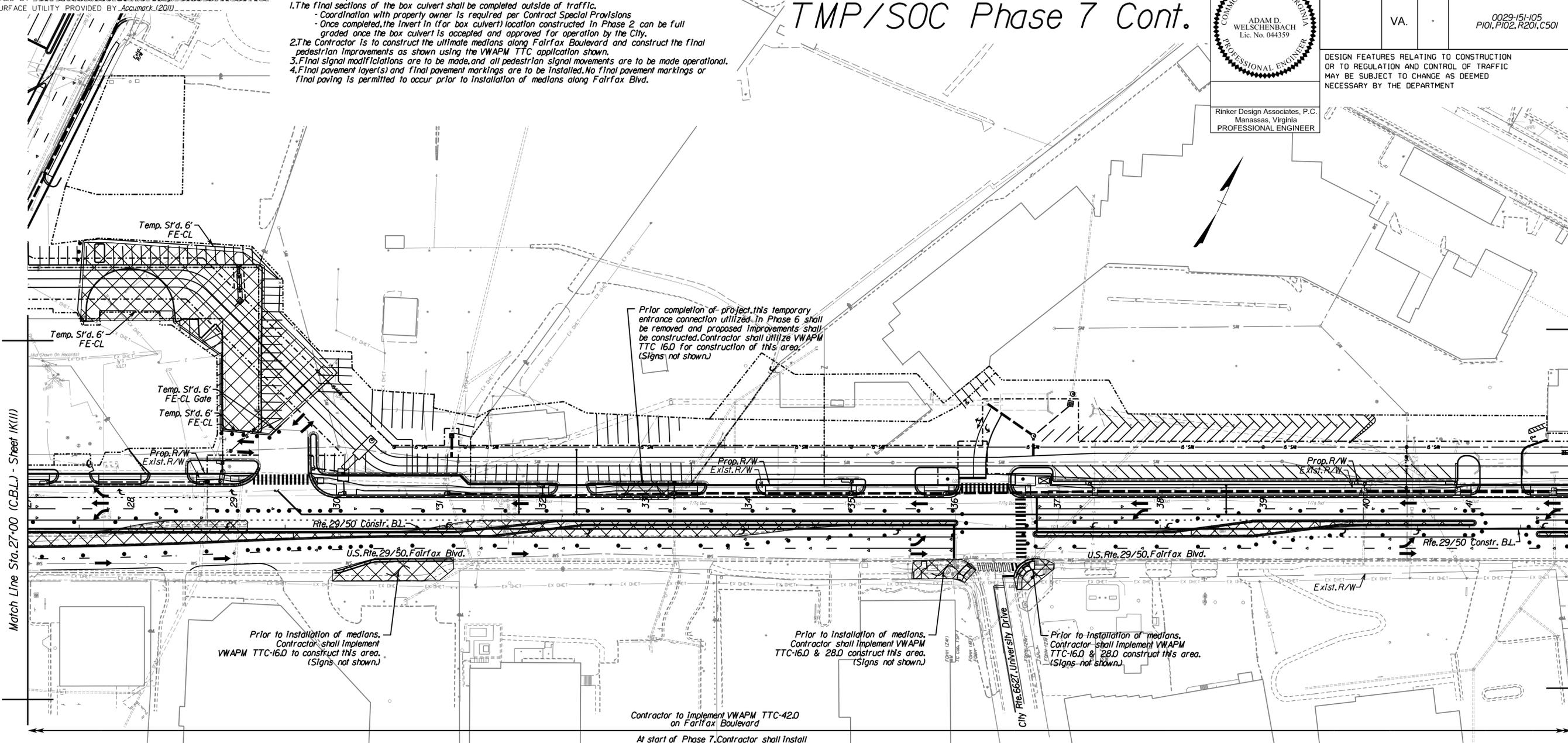
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0029-151-105 P101, P102, R201, C501	1K112

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



Match Line Sta. 27+00 (C.B.L.) - Sheet 1K111

Match Line Sta. 42+00 (C.B.L.) - Sheet 1K113



Prior completion of project, this temporary entrance connection utilized in Phase 6 shall be removed and proposed improvements shall be constructed. Contractor shall utilize VWAPM TTC 16.0 for construction of this area. (Signs not shown.)

Prior to installation of medians, Contractor shall implement VWAPM TTC-16.0 to construct this area. (Signs not shown.)

Prior to installation of medians, Contractor shall implement VWAPM TTC-16.0 & 28.0 construct this area. (Signs not shown.)

Prior to installation of medians, Contractor shall implement VWAPM TTC-16.0 & 28.0 construct this area. (Signs not shown.)

Contractor to implement VWAPM TTC-42.0 on Fairfax Boulevard

At start of Phase 7, Contractor shall install temporary pavement marking as shown and eradicate any conflicting markings. (See Sheet Series 10 for Pavement Marking Details.)

All other existing lanes (for all other roadways) shall remain at existing width, no less than 11' in width. All Group Channelizing Devices shall be set to be 1' away from the travel way.

**Suggested TMP/SOC Legend: Phase 7**

- Denotes Flow of Traffic
- ▨ Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- ⬮ Denotes Temporary Signal Modification Req'd

**R/W LEGEND**

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- - - Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)



PROJECT	SHEET NO.
0029-151-105	1K112

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889  
 SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)  
 DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373  
 SUBSURFACE UTILITY PROVIDED BY Accumark (2011)

# TMP/SOC Phase 7 Cont.

COMMONWEALTH OF VIRGINIA  
 ADAM D. WELSCHENBACH  
 Lic. No. 044359  
 PROFESSIONAL ENGINEER

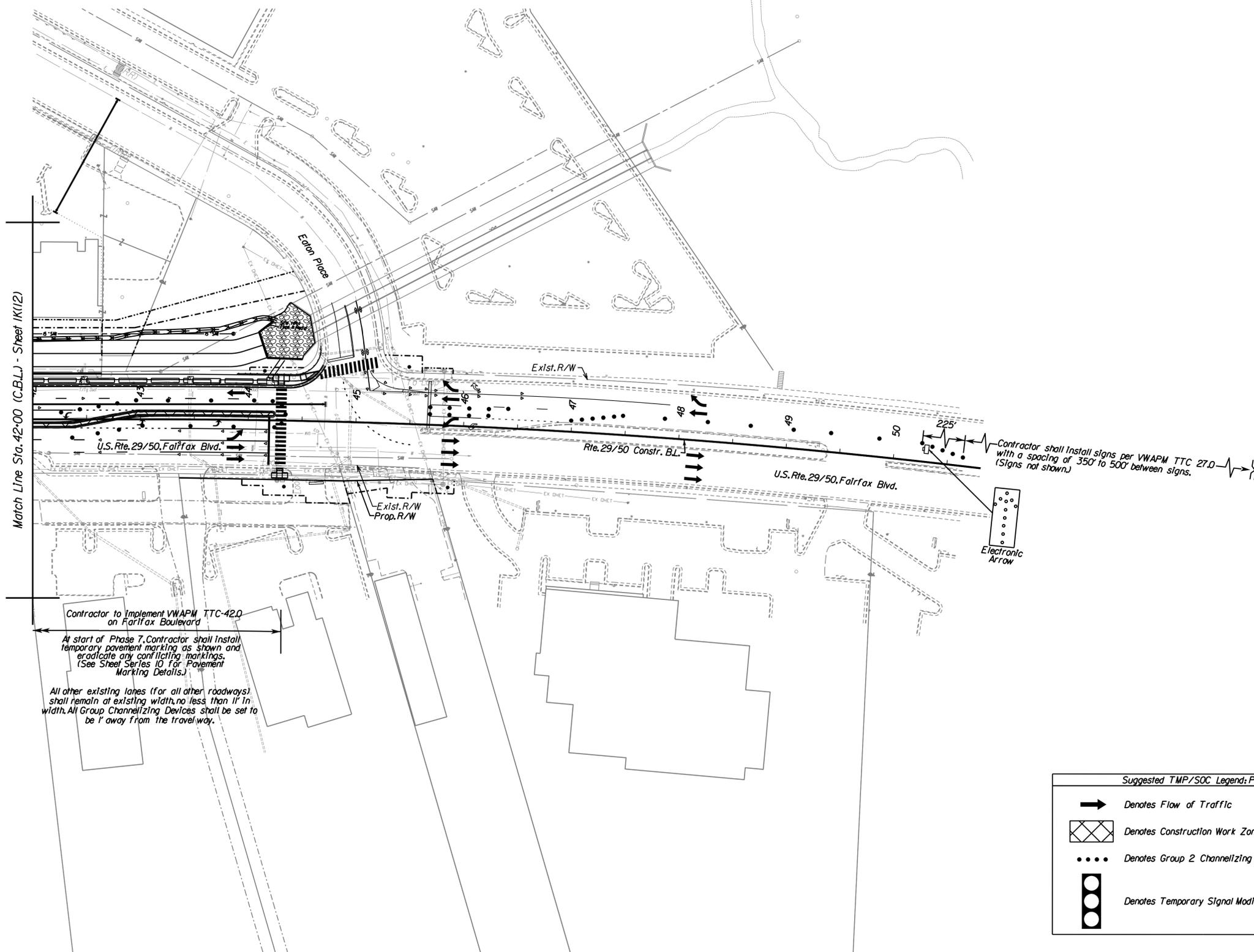
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	1K(13)

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

- PHASE 7: Sequence of Construction**
- The final sections of the box culvert shall be completed outside of traffic.
    - Coordination with property owner is required per Contract Special Provisions.
    - Once completed, the invert in (for box culvert) location constructed in Phase 2 can be full graded once the box culvert is accepted and approved for operation by the City.
  - The Contractor is to construct the ultimate medians along Fairfax Boulevard and construct the final pedestrian improvements as shown using the VWAPM TTC application shown.
  - Final signal modifications are to be made, and all pedestrian signal movements are to be made operational.
  - Final pavement layer(s) and final pavement markings are to be installed. No final pavement markings or final paving is permitted to occur prior to installation of medians along Fairfax Blvd.

**Rinker**  
 Design Associates, P.C.  
 Civil Engineers  
 Transportation - Environmental  
 Right of Way Services



Match Line Sta. 42+00 (C.B.L.) - Sheet 1K(12)

Contractor shall install signs per VWAPM TTC 27.0 with a spacing of 350' to 500' between signs. (Signs not shown.)

Contractor to implement VWAPM TTC 42.0 on Fairfax Boulevard

At start of Phase 7, Contractor shall install temporary pavement marking as shown and eradicate any conflicting markings. (See Sheet Series 10 for Pavement Marking Details.)

All other existing lanes (for all other roadways) shall remain at existing width, no less than 11' in width. All Group Channelizing Devices shall be set to be 1' away from the travelway.

**Suggested TMP/SOC Legend: Phase 7**

- Denotes Flow of Traffic
- Denotes Construction Work Zone, This Phase
- Denotes Group 2 Channelizing Devices
- Denotes Temporary Signal Modification Req'd

**R/W LEGEND**

- Denotes Prop. Permanent Easement (See Plan Sheets 3 thru 8 for Specifics)
- Denotes Prop. Temporary Easement (See Plan Sheets 3 thru 8 for Specifics)

SCALE: 0 50' 100'

PROJECT: 0029-151-105

SHEET NO.: 1K(13)