



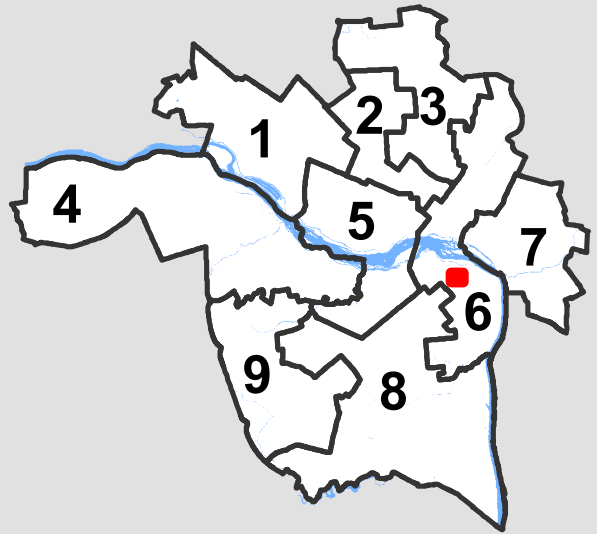
City of Richmond Department of Planning & Development Review

Location, Character, and Extent

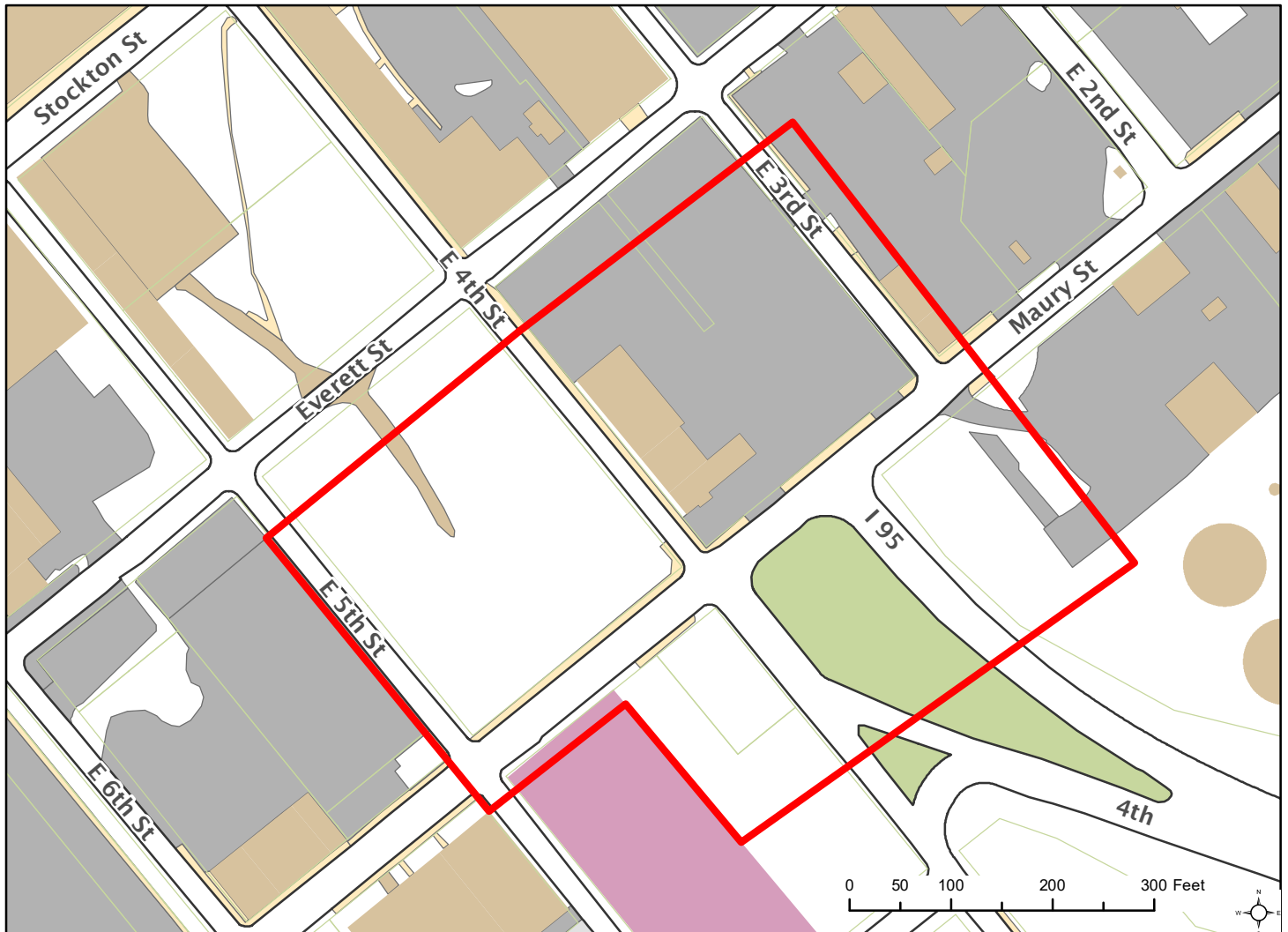
LOCATION: E. 4th St. and Maury St.

COUNCIL DISTRICT: 6

PROPOSAL: The application is for final location, character and extent review of a roundabout at the Intersection of E. 4th Street and Maury St.



*For questions, please contact Josh Son
at 646-3741 or joshua.son@richmondgov.com*





Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219
(804) 646-6335

<http://www.richmondgov.com/CommitteeUrbanDesign>

Application Type

Addition/Alteration to Existing Structure
 New Construction
 Streetscape
 Site Amenity

Encroachment
 Master Plan
 Sign
 Other

Review Type

Conceptual
 Final

Project Name: #HB2.FY17 RTE 95 - IMPROVE INTERCHANGE AT MAURY ST

Project Address: I-95 RAMPS AT MAURY ST

Brief Project Description (this is not a replacement for the required detailed narrative) :
improve and shift ramps at Maury St. interchange and construction a 1-lane roundabout at the convergence of the
ramps at Maury St. (off ramps) and E. 4th St. (on ramps)

Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: Manouchehr Nosrati Email: nosratms@ci.richmond.va.us

City Agency: Department of Public Works Phone: 804-646-6319

Address: City Hall, Room 600

Main Contact (if different from Applicant): Jason Zhang

Company: Virginia Department of Transportation Phone: 804-704-3416

Email: jason.zhang@vdot.virginia.gov

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

Date: July 17, 2017

I-95 at Maury Street Interchange Improvement

Virginia Department of Transportation

VDOT UPC # 109321

LOCATION:

Intersection of I-95 Ramps and Maury Street / 4th Street.

ESTIMATED PROJECT COST:

Based on 30% Plans

- PE \$1,087,500
- RW \$3,747,000
- CN \$4,356,750
- Total \$9,191,250

FUNDING SOURCE:

Project fully funded through Smart Scale.

PROJECT SCHEDULE

Design:	Started Winter 2016
Right-of-Way:	Expected NTP Fall 2018
Advertisement for Construction:	Expected Summer 2020

PROJECT DESCRIPTION:

This project will provide an enhanced gateway to the Manchester Industrial District for all users by constructing a single lane roundabout on Maury Street and eliminating two traffic signals (i.e., at East 4th Street and at I-95 Off-Ramp) and will significantly reduce the vehicles that queue during peak hours on the I-95 Off-Ramp. This project will require both right of way acquisitions as well as utility relocations.

FOR INDEX OF SHEETS SEE SHEET 1B

FHWA 534 DATA 41121



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. 109321

P. F. I. PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

CITY OF RICHMOND

ROUNDAABOUT AT CONVERGENCE OF THE RAMPS AT MAURY ST AND E. 4TH ST
FROM: 0.047 MI. West of Maury St.
TO: 0.118 MI. East of EXIT173

STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
V.A.	NHFP-095-1(358) (See Tabulation Below for Section Numbers)	095	(NF0)0095-127-971 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA				
ROADWAY	95 Off Ramp	Maury Street	East 4TH Street	ROUNDAABOUT
CLASSIFICATION	URBAN INTERSTATE	URBAN COLLECTOR	URBAN COLLECTOR	ROUNDAABOUT
FROM/TO	WEST OF INT. OF GREEN TREE ROAD/OAK GROVE ROAD	SOUTH OF INT. OF GREEN TREE ROAD/OAK GROVE ROAD	EAST OF INT. OF GREEN TREE ROAD/OAK GROVE ROAD	INT. OF 95 Off Ramp / Maury
V (mph)	40	25	25	25
ADT (2017)	14,800	12,000	7,500	N/A
ADT (2042)	17,300	15,000	8,400	N/A
DHV (2042)	1,500	1,200	800	2121
D (%) (design hour)	N/A	30/70	60/40	N/A
T (%) (design hour)	15%	15%	9%	N/A

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

PROJECT MANAGER Jason Zhang (804) 524-6118 (Richard)
SURVEYED BY DATE NXL Construction Services (804) 644-4600 (Consultant)
DESIGN BY Mironov Ha (804) 371-2772 (CO)
SUBSURFACE UTILITY BY DATE Accumark, Inc. (804) 550-7740 (Consultant)

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

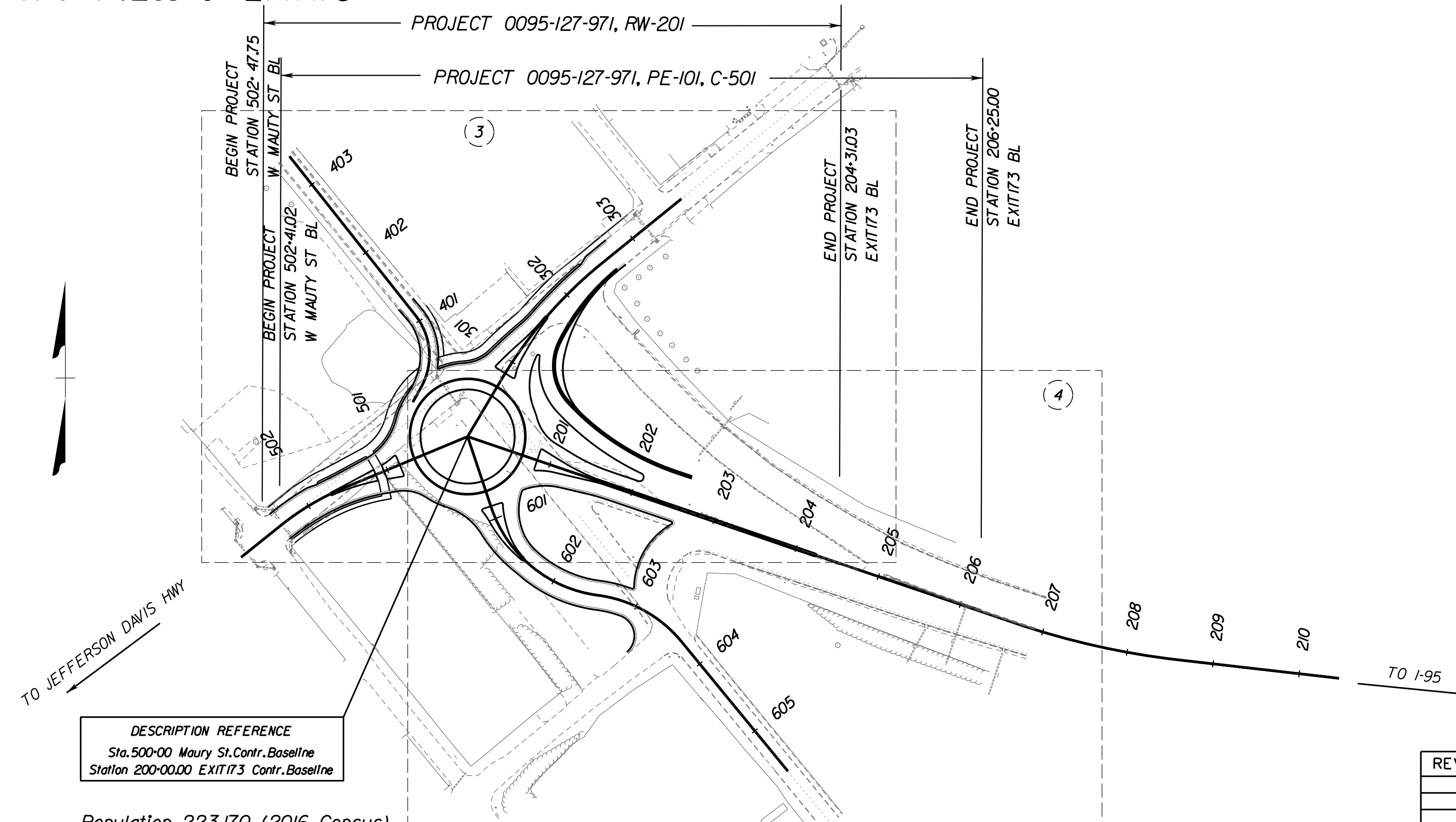
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2016 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL, REV. 1 AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-511U, EXCEPT WHERE OTHERWISE NOTED.

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



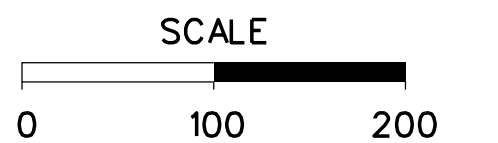
DESCRIPTION REFERENCE
Sta. 500+00 Maury St. Contr. Baseline
Station 200+00.00 EXIT173 Contr. Baseline

Population 223,170 (2016 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES	FEET	MILES			
0095-127-971	PE-101	NHFP-095-1(358)		109321			866.02	0.164	866.02	0.164		Prelim Eng	From: 0.046 MI. West of Maury St. To: 0.118 MI. East of EXIT173
	RW-201			109321			678.78	0.129	678.78	0.129		Right of Way	From: 0.047 MI. West of Maury St. To: 0.082 MI. East of EXIT173
	C-501		1000	109321			866.02	0.164	866.02	0.164		Construction	From: 0.046 MI. West of Maury St. To: 0.118 MI. East of EXIT173

Project length based on W Maury Street and EXIT173 Construction Baselines.

TIER 2 PROJECT



RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	INFRASTRUCTURE INVESTMENT DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	CHIEF FINANCIAL OFFICER
DATE	CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	CHIEF OF POLICY

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	INFRASTRUCTURE INVESTMENT DIRECTOR
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	STATE STRUCTURE AND BRIDGE ENGINEER
DATE	CHIEF FINANCIAL OFFICER

APPROVED FOR CONSTRUCTION	
DATE	CHIEF ENGINEER

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

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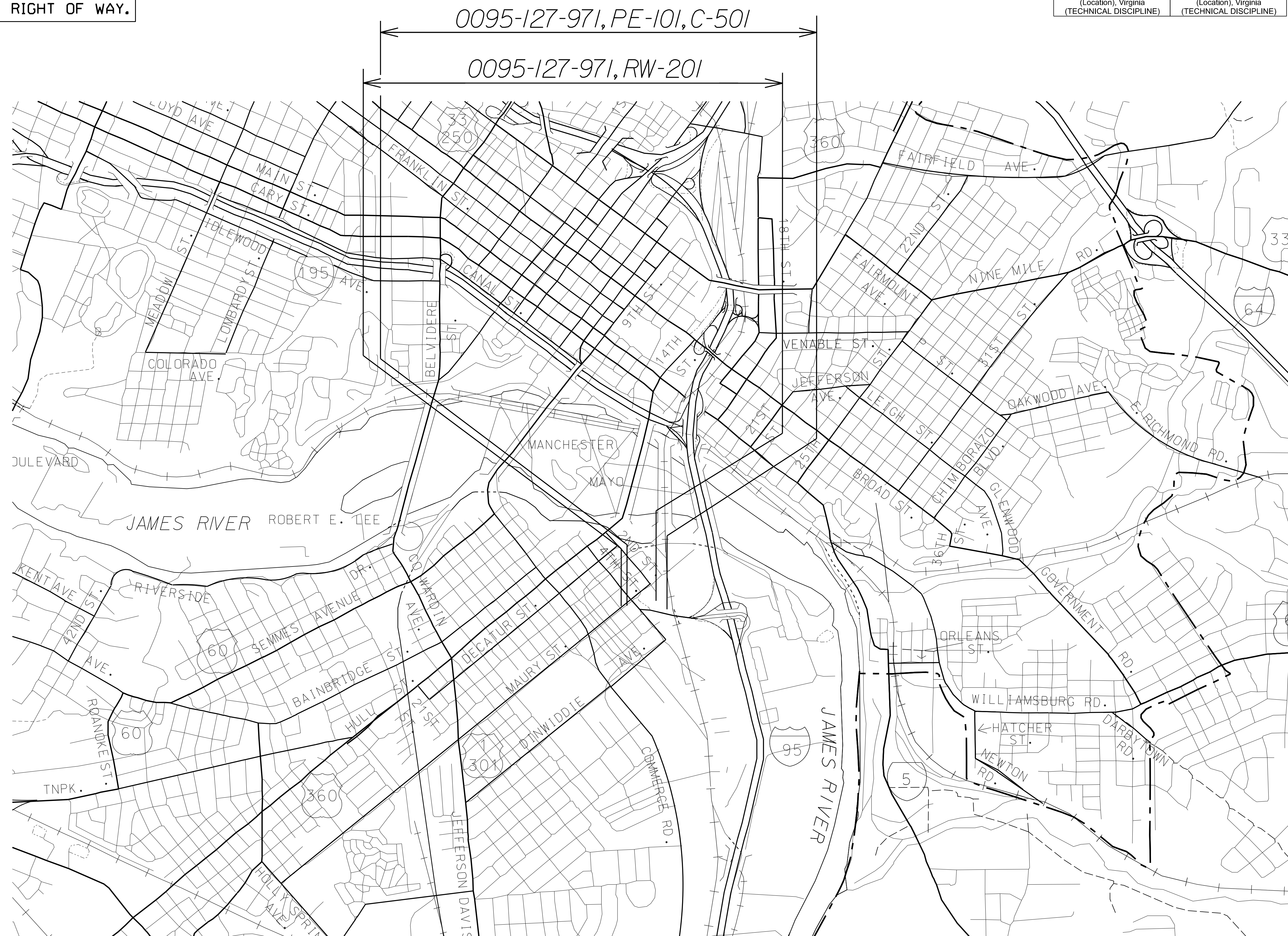
PROJECT MANAGER <Jason Zhang (804) 524-6118 (Richmond)>
 SURVEYED BY, DATE <NXL Construction Services (804) 644-4600 (Consultant)>
 DESIGN BY <Mirawa Ho (804) 371-2772 (CO)>
 SUBSURFACE UTILITY BY, DATE <Accurmark, Inc. (804) 550-7740 (Consultant)>

P. F. I. PLANS

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 AND UNAPPROVED AND ARE NOT
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LOCATION MAP

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	095	0095-127-971	1A
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)		



NOT TO SCALE

PROJECT MANAGER <Jason Zhang (804) 524-6118 (Richmond)>
SURVEYED BY, DATE <NXL Construction Services (804) 644-4600 (Consultant)>
DESIGN BY <Mirawa Ho (804) 371-2772 (CO)>
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(Location), Virginia
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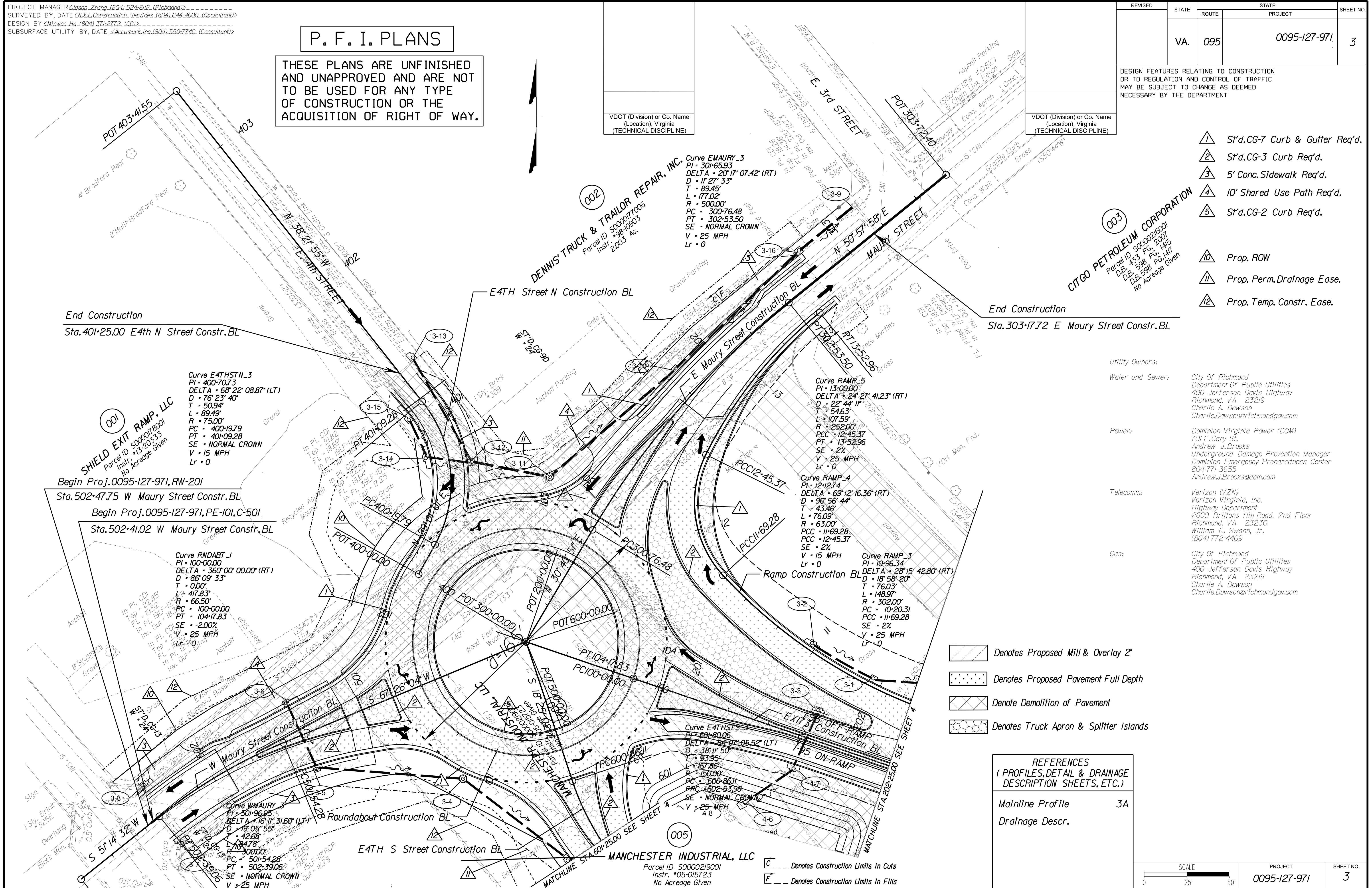
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	095	0095-127-971	3

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

- 1 S'd.CG-7 Curb & Gutter Req'd.
- 2 S'd.CG-3 Curb Req'd.
- 3 5' Conc. Sidewalk Req'd.
- 4 10' Shared Use Path Req'd.
- 5 S'd.CG-2 Curb Req'd.

- 10 Prop. ROW
- 11 Prop. Perm. Drainage Ease.
- 12 Prop. Temp. Constr. Ease.

CITGO PETROLEUM CORPORATION
Parcel ID: S000021600
D.B. 433 PG. 2007
D.B. 598 PG. 145
No Acreage Given



Utility Owners:
Water and Sewer: City Of Richmond
Department Of Public Utilities
400 Jefferson Davis Highway
Richmond, VA 23219
Charlie A. Dawson
Charlie.Dawson@richmondgov.com
Power: Dominion Virginia Power (DOM)
701 E. Cary St.
Andrew J. Brooks
Underground Damage Prevention Manager
Dominion Emergency Preparedness Center
804-771-3655
Andrew.J.Brooks@dom.com
Telecomm: Verizon (VZN)
Verizon Virginia, Inc.
Highway Department
2600 Brittons Hill Road, 2nd Floor
Richmond, VA 23230
William G. Swann, Jr.
(804) 772-4409
Gas: City Of Richmond
Department Of Public Utilities
400 Jefferson Davis Highway
Richmond, VA 23219
Charlie A. Dawson
Charlie.Dawson@richmondgov.com

- Denotes Proposed Mill & Overlay 2"
- Denotes Proposed Pavement Full Depth
- Denote Demolition of Pavement
- Denotes Truck Apron & Splitter Islands

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

Mainline Profile 3A
Drainage Descr.

- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

SCALE	PROJECT	SHEET NO.
0 25 50	0095-127-971	3

PROJECT MANAGER <Jason Zhang (804) 524-6118 (Richmond)>
SURVEYED BY, DATE <NXL Construction Services (804) 644-4600 (Consultant)>
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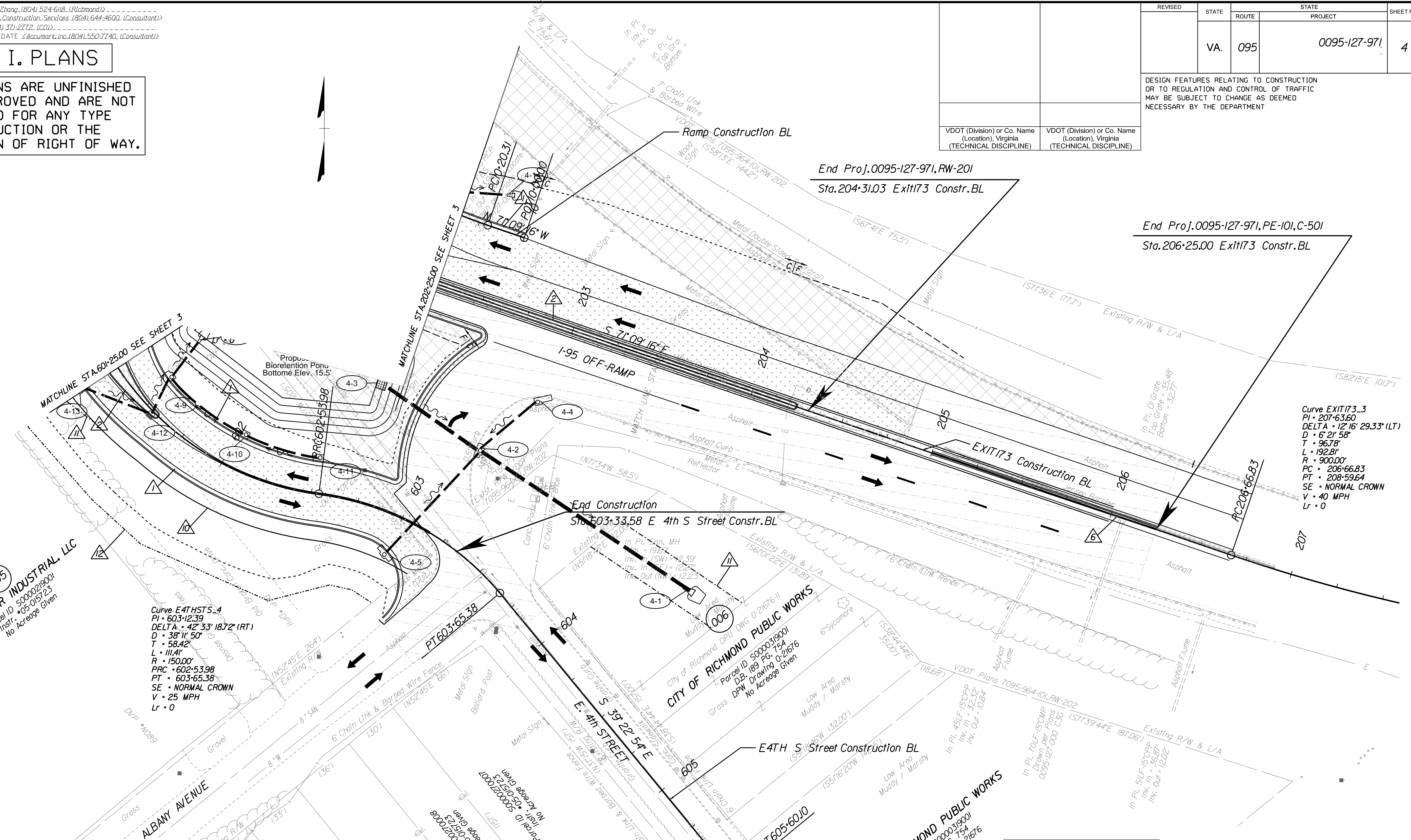
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REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	0095-127-971	4

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VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)	VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)
-------------------------------------------------------------------------	-------------------------------------------------------------------------



- Denotes Proposed Mill & Overlay 2"
- Denotes Proposed Pavement Full Depth
- Denote Demolition of Pavement
- Denotes Truck Apron & Splitter Islands

- S't.d.CG-7 Curb & Gutter Req'd.
- S't.d.CG-3 Curb Req'd.
- 5' Conc. Sidewalk Req'd.
- 10' Shared Use Path Req'd.
- S't.d.CG-2 Curb Req'd.
- S't.d.MB-7D Median Barrier Req'd.
- Prop. ROW
- Prop. Perm. Drainage Ease.
- Prop. Temp. Constr. Ease.

Denotes Construction Limits In Cuts
 Denotes Construction Limits In Fills

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

Mainline Profile 3A
 Drainage Descr.