

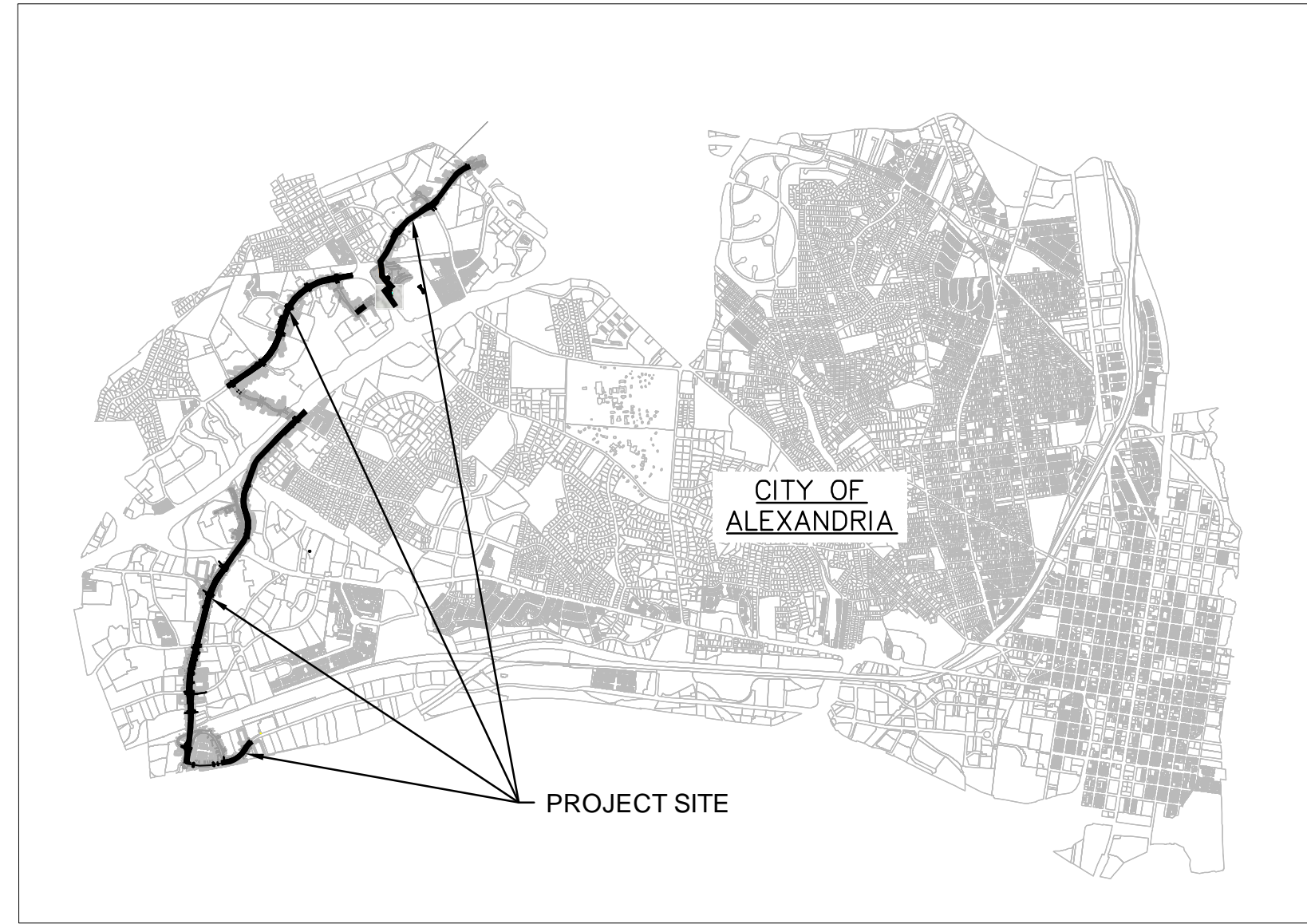
# WEST END TRANSITWAY CONCEPTUAL DESIGN PLANS

## City of Alexandria, Virginia

**SOUTH VAN DORN STREET: Eisenhower Avenue to Sanger Avenue**  
**NORTH BEAUREGARD STREET: Sanger Avenue to King Street**

### PROJECT LOCATION MAP

1" = 4000'



**PROJECT AREA**

### PROJECT DESCRIPTION

THE CITY OF ALEXANDRIA IS CURRENTLY IN THE PLANNING STAGES OF THE WEST END TRANSITWAY, A BUS RAPID TRANSIT (BRT) CORRIDOR TO RUN BETWEEN THE VAN DORN METRO STATION TO THE SOUTH AND KING STREET AT THE ALEXANDRIA CITY LIMIT TO THE NORTH, ULTIMATELY EXTENDING TO THE PENTAGON METRO STATION IN ARLINGTON COUNTY, VA. THIS PROJECT AIMS TO SERVE THE WEST END OF ALEXANDRIA WITH AN EFFICIENT AND ACCESSIBLE TRANSIT CORRIDOR.

THE CORRIDOR RUNS IN A NORTH-SOUTH ORIENTATION, AND GENERALLY CONSISTS OF TWO GENERAL PURPOSE LANES IN EACH DIRECTION, WITH A CENTER-RUNNING TRANSITWAY SEPARATED BY MEDIANS OF VARYING WIDTH. THIS TRANSITWAY WILL VARY IN COMPOSITION FROM A FULL BI-DIRECTIONAL DEDICATED RUNNINGWAY, TO A SINGLE-DIRECTION DEDICATED RUNNINGWAY, TO SECTIONS WHERE TRANSIT VEHICLES ARE OPERATING IN MIXED TRAFFIC. THE CORRIDOR AS SHOWN IN THESE PLANS IS APPROXIMATELY 4.6 MILES IN LENGTH.

THESE PLANS HAVE BEEN DEVELOPED IN CONJUNCTION WITH THE ALTERNATIVES ANALYSIS AND ENVIRONMENTAL ASSESSMENT DOCUMENTS WRITTEN FOLLOWING THE PROJECTS INITIAL FEASIBILITY STUDY. THESE PLANS ARE CONCEPTUAL IN NATURE, AND AS SUCH ARE NOT COMPLETE. THESE PLANS SERVE TO SHOW THE DESIGN AND CONSTRUCTION FEASIBILITY OF THE PROJECT, AND TO DEMONSTRATE THE NATURE OF THE CORRIDOR ONCE IT IS CONSTRUCTED.

OPINION OF PROBABLE PROJECT CAPITAL COSTS	
CAPITAL CONSTRUCTION: (INCLUDES ROADWAY, STATIONS, SYSTEMS, R/W, UTILITIES, ETC.)	\$61.5 TO \$70 MILLION
FLEET: (BUSES, INCLUDING SPARE UNITS)	\$17 TO \$19.5 MILLION
PROJECT DEVELOPMENT: (DESIGN FEES, PERMITTING, LEGAL, SURVEY, TESTING, ETC.)	\$16 TO \$18.5 MILLION
CONTINGENCY:	\$28 TO \$32 MILLION
<b>TOTAL PROJECT COST:</b>	<b>\$122.5 TO \$140 MILLION</b>

\*NOTE: THE OPINION OF COSTS SHOWN WAS DEVELOPED FROM THE CONCEPTUAL DESIGN PLANS INCLUDED HEREIN. DUE TO THE PRELIMINARY NATURE OF THESE PLANS, NOT ALL REQUIRED BID ITEMS FOR CONSTRUCTION ARE ACCOUNTED FOR. THE PLANS AND OPINION OF COST SERVE TO PROVIDE AN APPROXIMATE RANGE OF VALUES FOR THE ITEMS LISTED ABOVE. THESE PLANS ARE NOT APPROVED, ARE NOT FINAL, AND ARE SUBJECT TO CHANGE.

### INDEX OF SHEETS

- 1.1 COVER SHEET
- 2.1 GENERAL NOTES
- 3.1 GEOMETRIC PLAN SHEET: Eisenhower Ave & S. Van Dorn St.
- 3.2 GEOMETRIC PLAN SHEET: S. Van Dorn St.
- 3.3 GEOMETRIC PLAN SHEET: S. Van Dorn St.
- 3.4 GEOMETRIC PLAN SHEET: S. Van Dorn St.
- 3.5 GEOMETRIC PLAN SHEET: S. Van Dorn St.
- 3.6 GEOMETRIC PLAN SHEET: N. Beaugard St.
- 3.7 GEOMETRIC PLAN SHEET: N. Beaugard St.
- 3.8 GEOMETRIC PLAN SHEET: N. Beaugard St. & Southern Towers
- 3.9 GEOMETRIC PLAN SHEET: N. Beaugard St.

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION, NOR FOR THE ACQUISITION OF ANY RIGHT-OF-WAY.

**NOT FOR CONSTRUCTION**

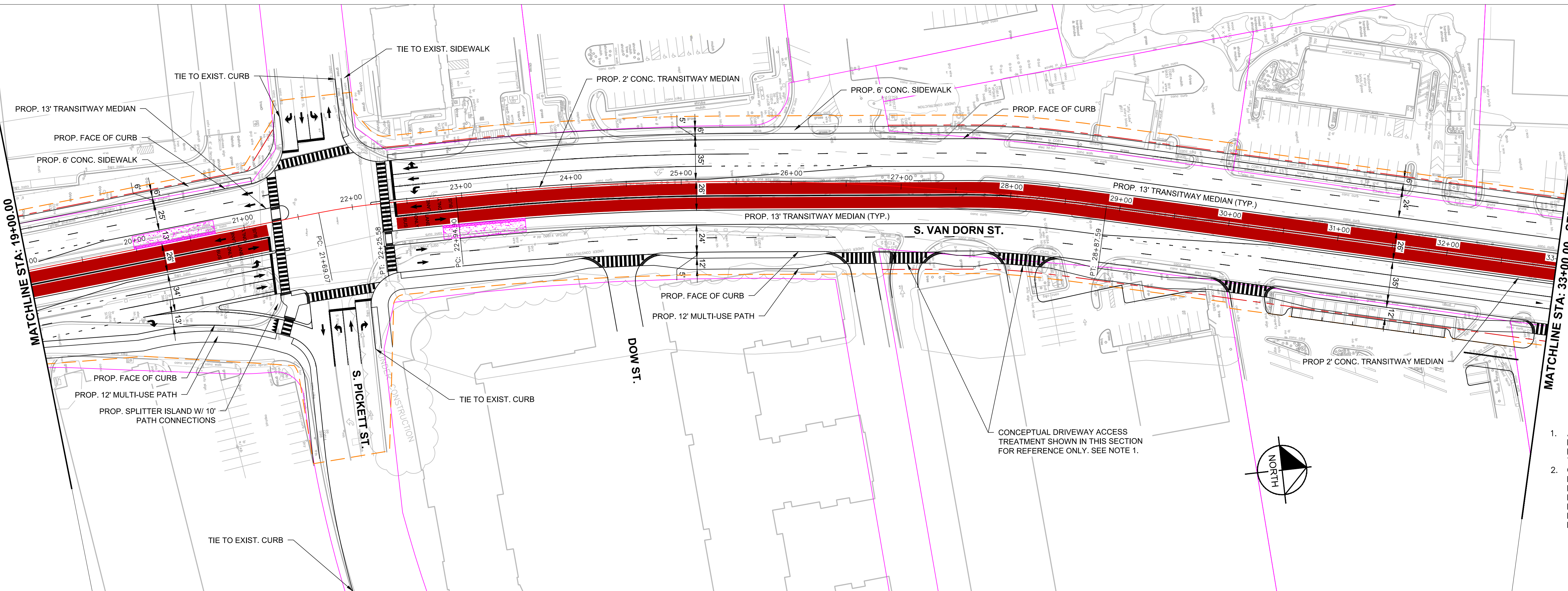
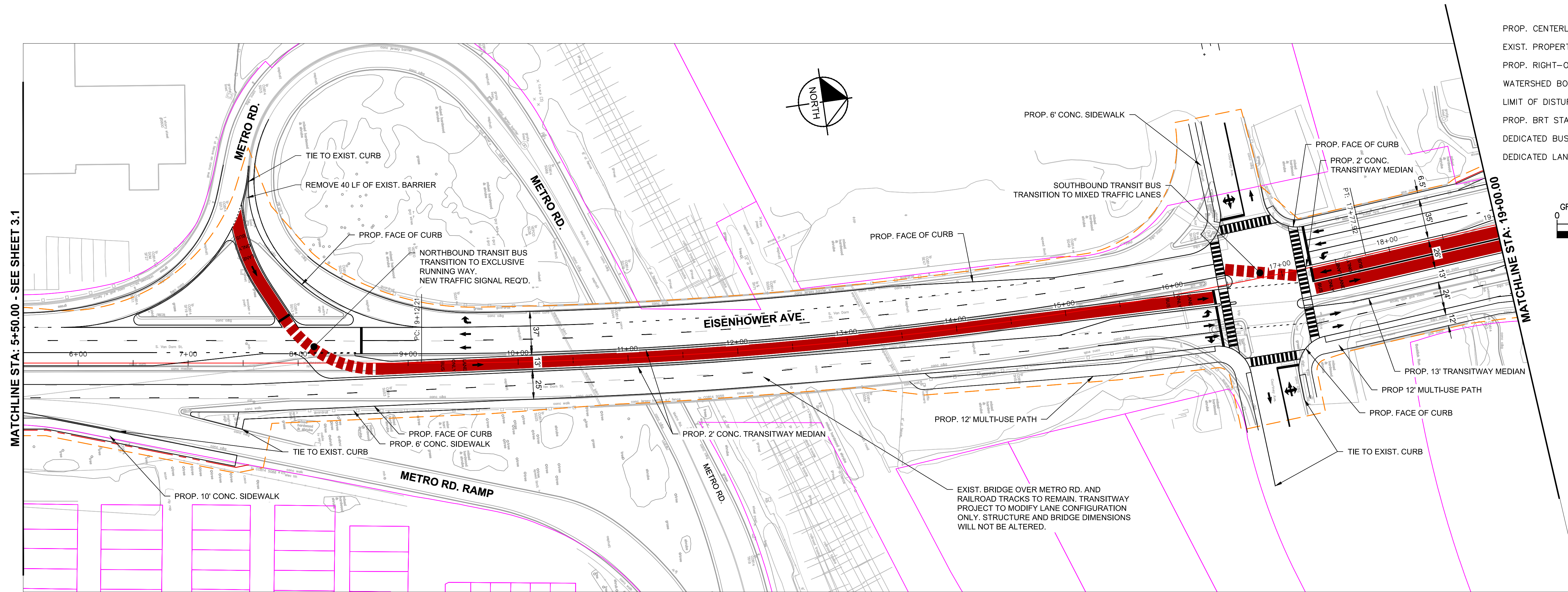
KIMLEY-HORN 11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191 PHONE: 703-674-1300 FAX: 703-674-1350 WWW.KIMLEY-HORN.COM	REVISIONS	DATE	BY
LICENSED PROFESSIONAL			
KIMLEY-HORN PROJECT 110251003	DATE 4/12/2016	SCALE AS SHOWN	DESIGNED BY TD
			DRAWN BY TD
			CHECKED BY MA
			DATE:
<b>COVER SHEET</b>			
WEST END TRANSITWAY CONCEPTUAL DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA			
SHEET NUMBER 1.1 of 1.1			

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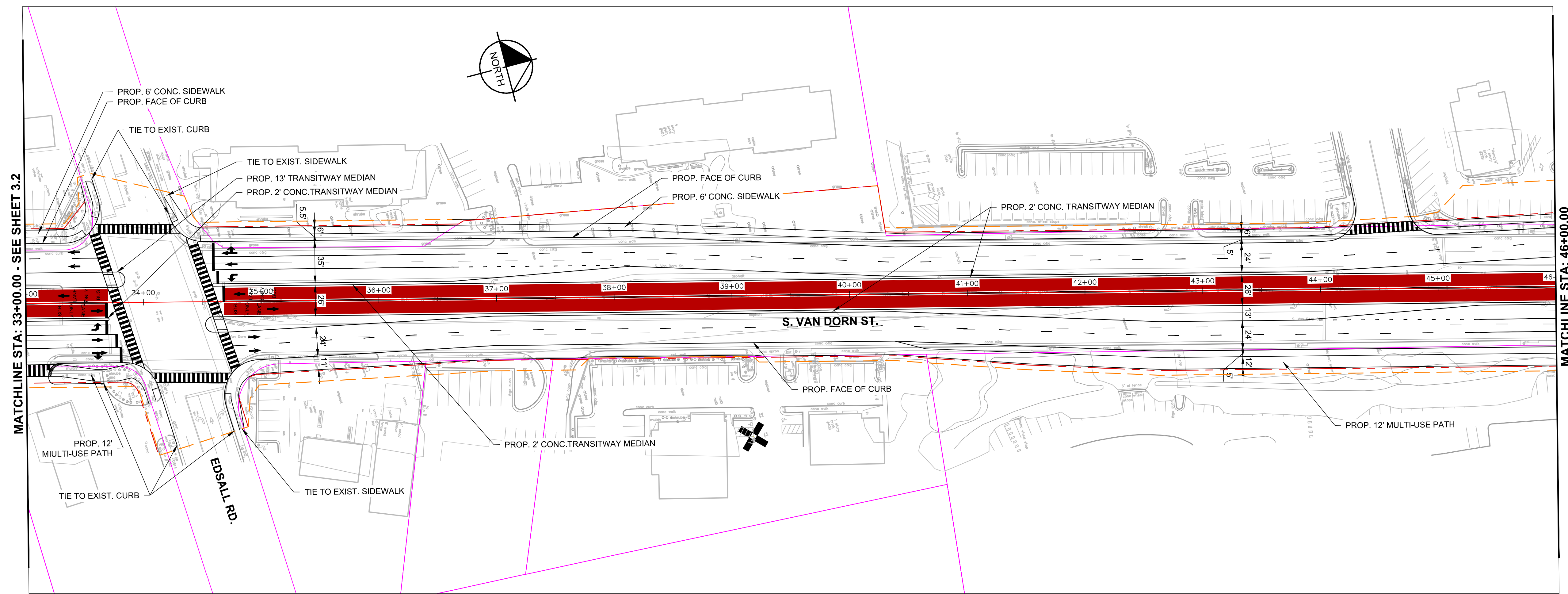


- NOTES**
- ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  - CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

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<p>LICENSED PROFESSIONAL</p>		<p>NO. _____</p> <p>REVISIONS</p>
<p>KHA PROJECT 110251003</p>	<p>DATE 1/19/2016</p> <p>SCALE AS SHOWN</p> <p>DESIGNED BY TD</p> <p>DRAWN BY TD</p> <p>CHECKED BY DW</p>	<p>DATE: _____</p>
<p>GEOMETRIC PLAN SHEET</p> <p>VAN DORN ST.</p>		
<p>WEST END TRANSITWAY          PRELIMINARY DESIGN PLANS          CITY OF ALEXANDRIA, VIRGINIA</p>		
<p>SHEET NUMBER</p> <p>3.2 of 3.9</p>		<p>DATE: _____</p>

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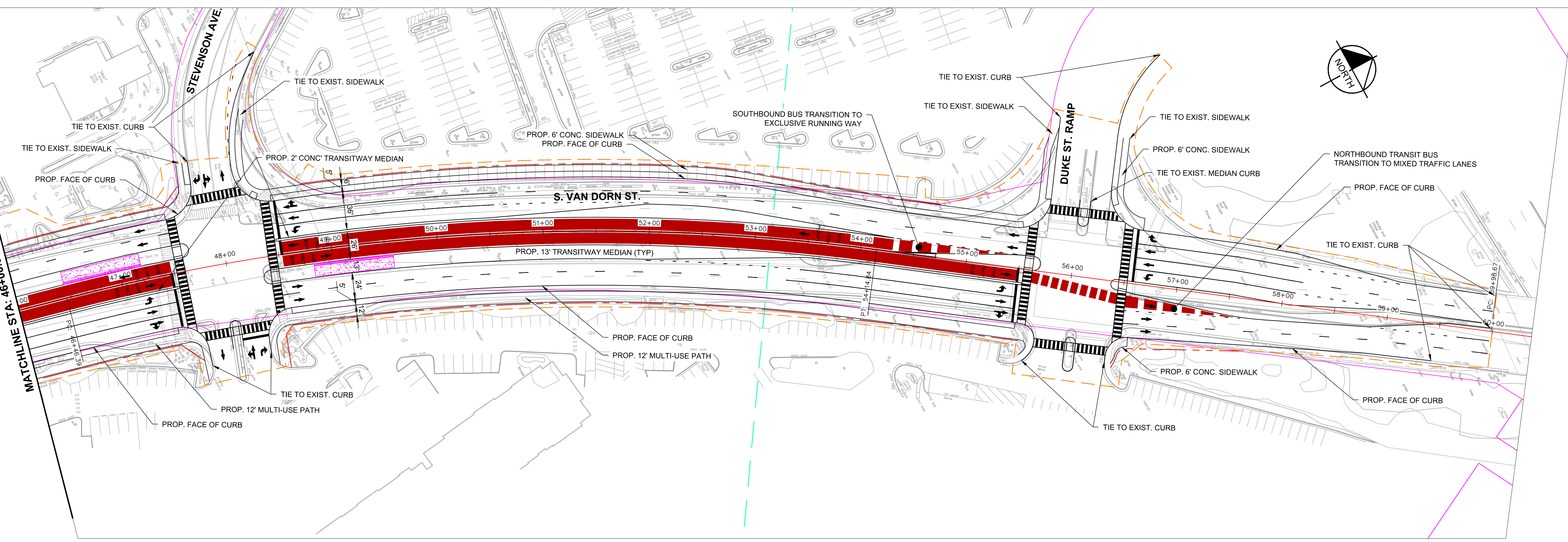


**LEGEND**

- PROP. CENTERLINE — 1+00
- EXIST. PROPERTY LINE —
- PROP. RIGHT-OF-WAY - - -
- WATERSHED BOUNDARY - - -
- LIMIT OF DISTURBANCE - - -
- PROP. BRT STATION
- DEDICATED BUS LANE
- DEDICATED LANE SHIFT

**GRAPHIC SCALE IN FEET**  
0 25 50 100

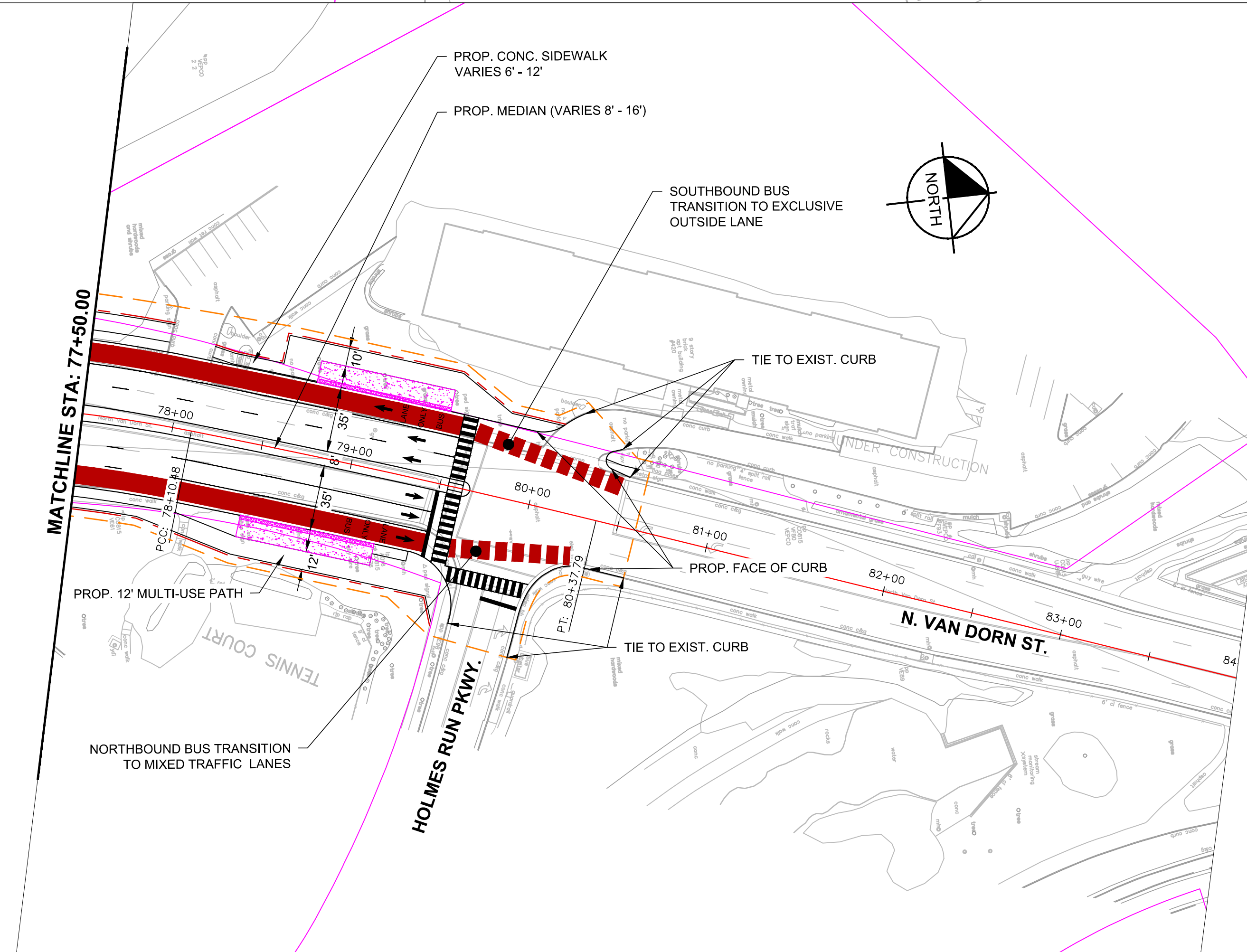
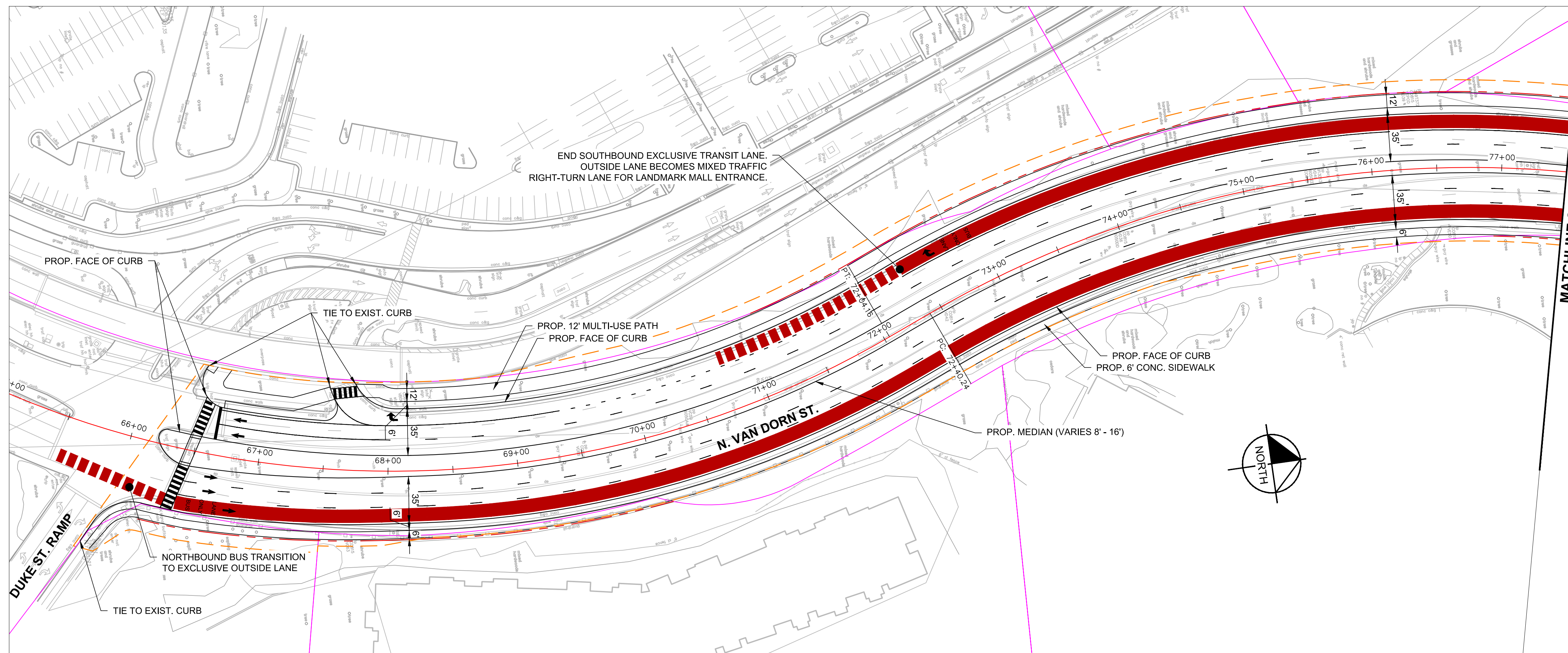
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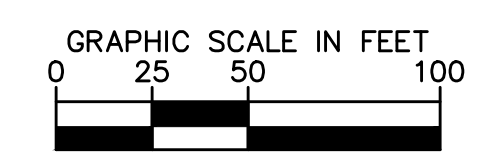
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KHA PROJECT 110251003	DATE 1/19/2016	SCALE AS SHOWN DESIGNED BY EJD DRAWN BY EJD CHECKED BY RDW
GEOMETRIC PLAN SHEET VAN DORN ST.		
WEST END TRANSITWAY PRELIMINARY DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA		
SHEET NUMBER 3.3 of 3.9		REVISIONS No. _____ DATE _____ BY _____

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LEGEND

PROP. CENTERLINE	1+00
EXIST. PROPERTY LINE	
PROP. RIGHT-OF-WAY	
WATERSHED BOUNDARY	
LIMIT OF DISTURBANCE	
PROP. BRT STATION	
DEDICATED BUS LANE	
DEDICATED LANE SHIFT	



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NO.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL	
KHA PROJECT	110251003
DATE	1/19/2016
SCALE	AS SHOWN
DESIGNED BY	EJD
DRAWN BY	EJD
CHECKED BY	RDW
	DATE:

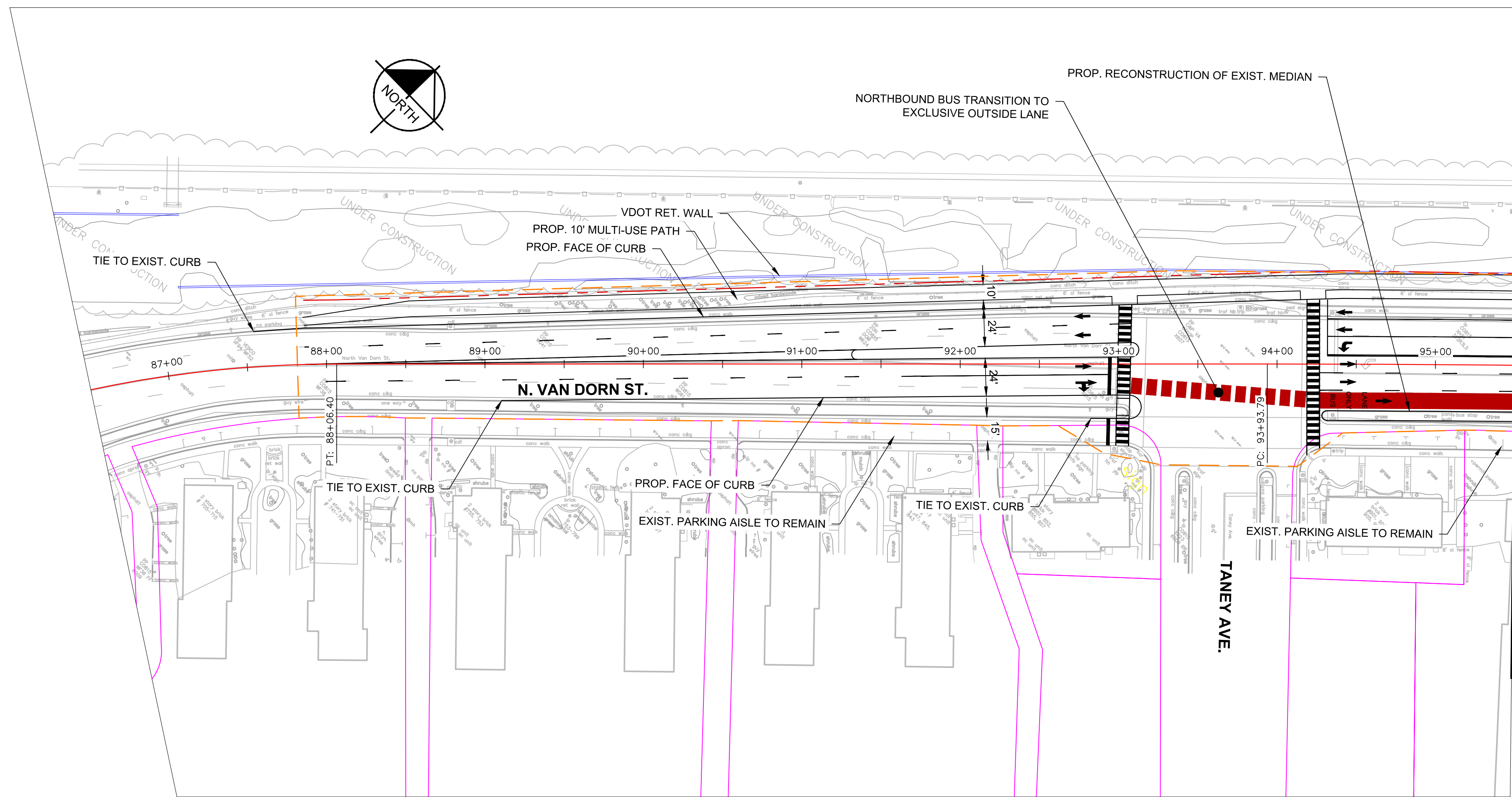
GEOMETRIC PLAN SHEET  
VAN DORN ST.

WEST END TRANSITWAY  
PRELIMINARY DESIGN PLANS  
CITY OF ALEXANDRIA, VIRGINIA

SHEET NUMBER  
3.4 of 3.9

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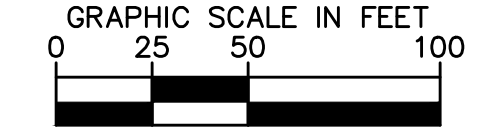
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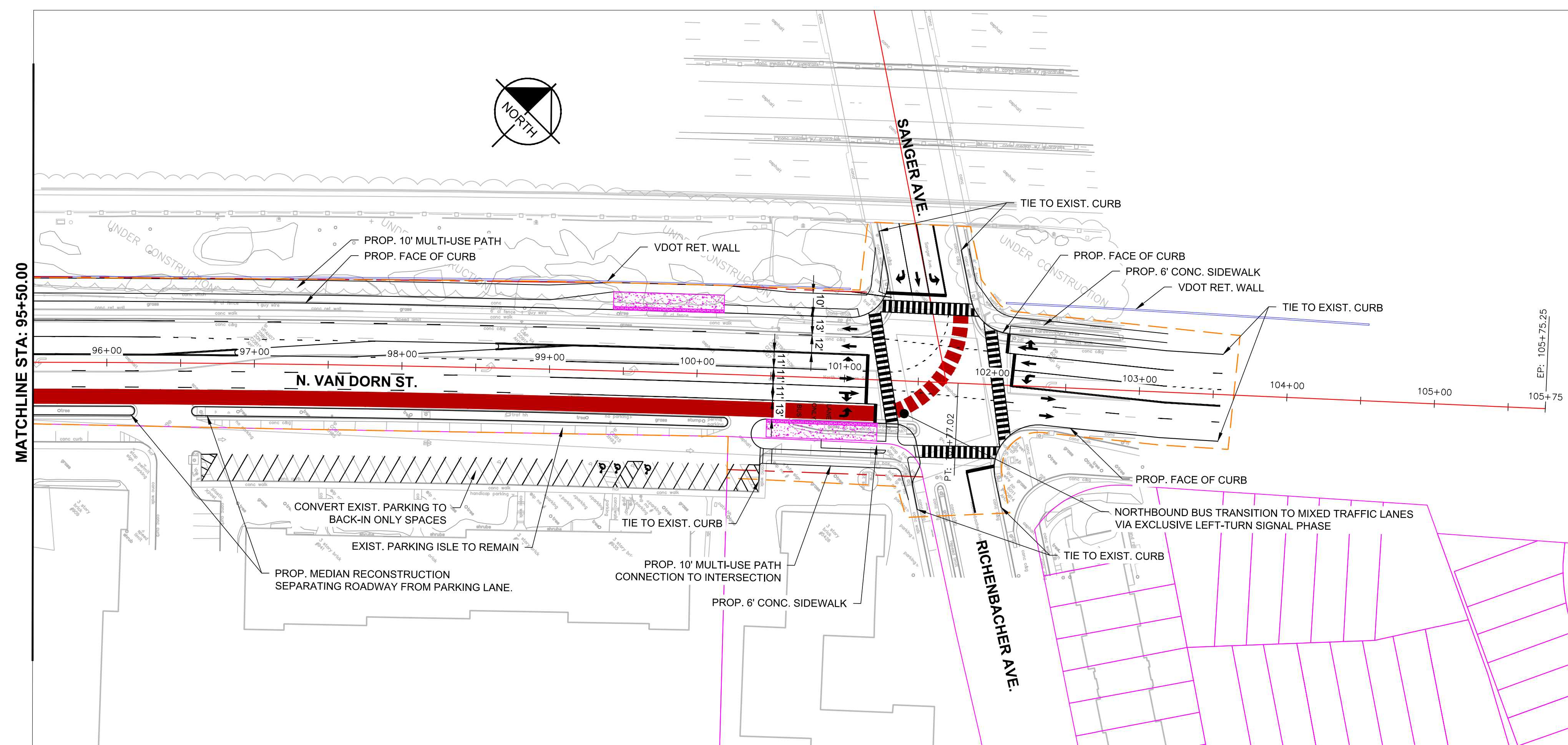
MATCHLINE STA: 95+50.00

**LEGEND**

PROP. CENTERLINE	—+—
EXIST. PROPERTY LINE	—
PROP. RIGHT-OF-WAY	- - -
WATERSHED BOUNDARY	—
LIMIT OF DISTURBANCE	- - -
PROP. BRT STATION	—
DEDICATED BUS LANE	—
DEDICATED LANE SHIFT	—



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MATCHLINE STA: 95+50.00

NO.	REVISIONS	DATE	BY

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KHA PROJECT	110251003
DATE	2/11/2016
SCALE	AS SHOWN
DESIGNED BY	EJD
DRAWN BY	EJD
CHECKED BY	RDW

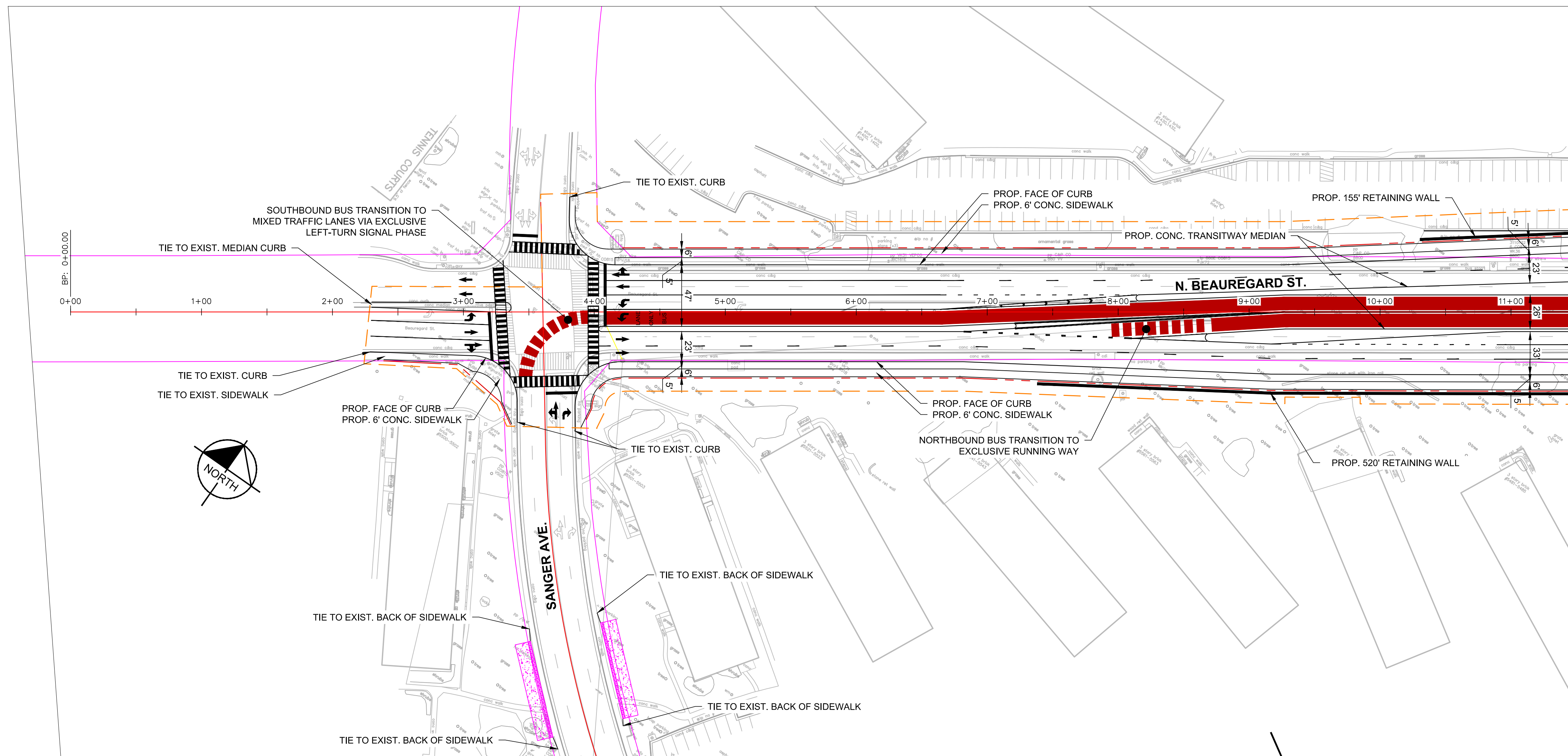
GEOMETRIC PLAN SHEET  
 VAN DORN ST.

WEST END TRANSITWAY  
 CONCEPTUAL DESIGN PLANS  
 CITY OF ALEXANDRIA, VIRGINIA

SHEET NUMBER  
 3.5 of 3.9

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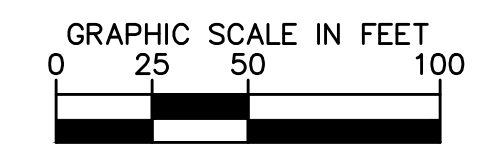
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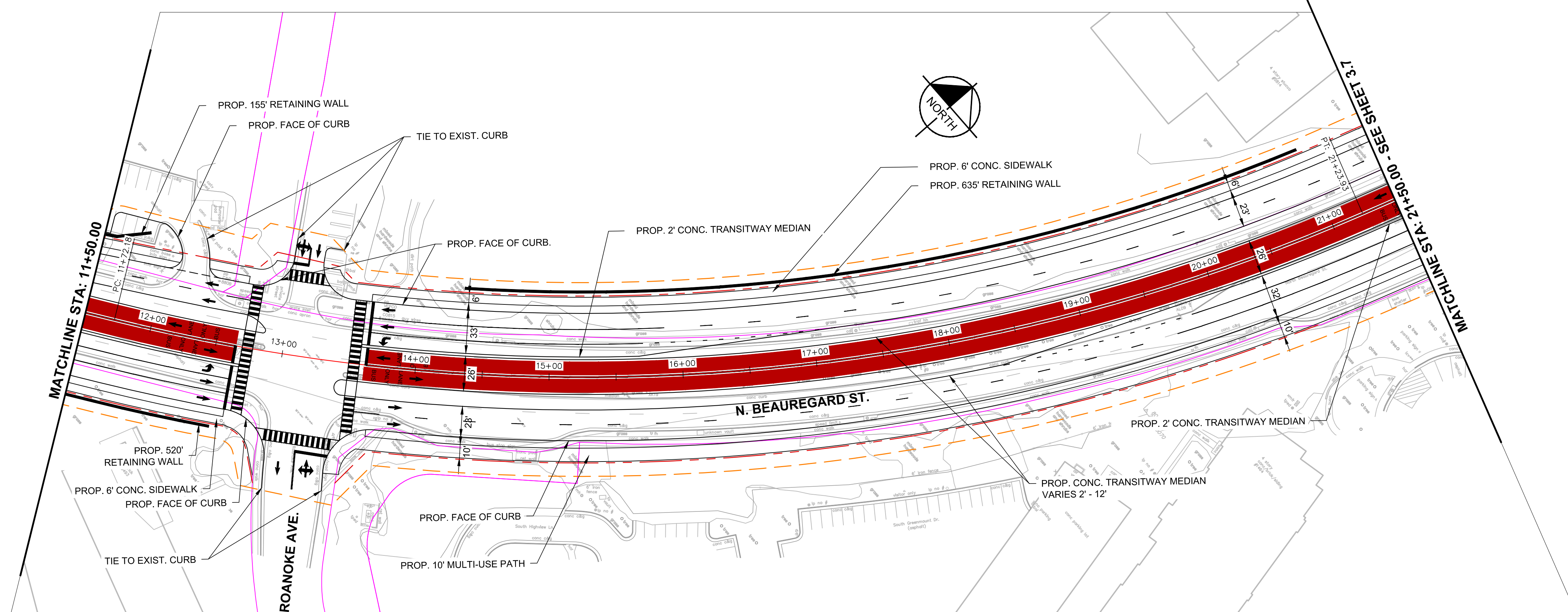
MATCHLINE STA: 11+50.00

LEGEND

PROP. CENTERLINE		1+00
EXIST. PROPERTY LINE		
PROP. RIGHT-OF-WAY		
WATERSHED BOUNDARY		
LIMIT OF DISTURBANCE		
PROP. BRT STATION		
DEDICATED BUS LANE		
DEDICATED LANE SHIFT		



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MATCHLINE STA: 21+50.00 - SEE SHEET 37

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KHA PROJECT	110251003
DATE	1/21/2016
SCALE	AS SHOWN
DESIGNED BY	EJD
DRAWN BY	EJD
CHECKED BY	RDW
DATE	

GEOMETRIC PLAN SHEET  
 BEAUREGARD ST.

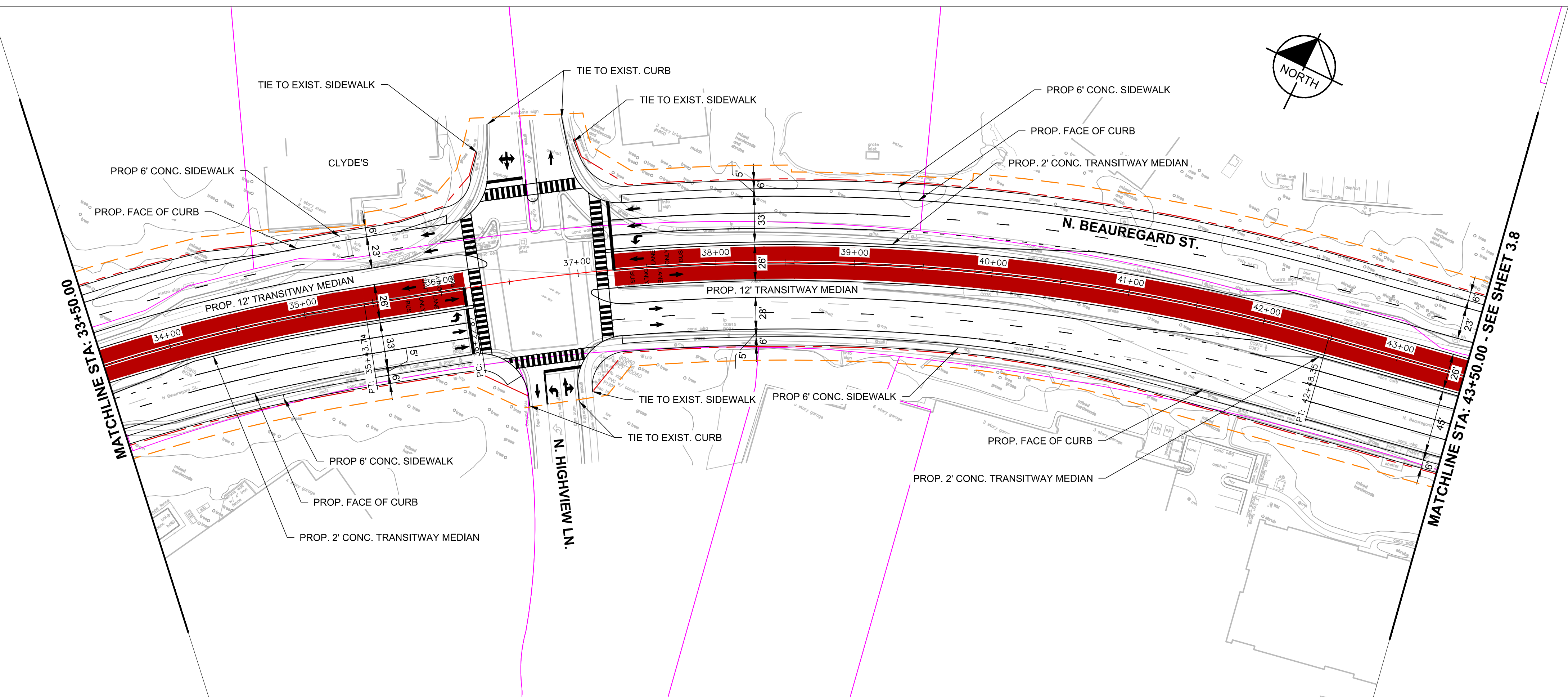
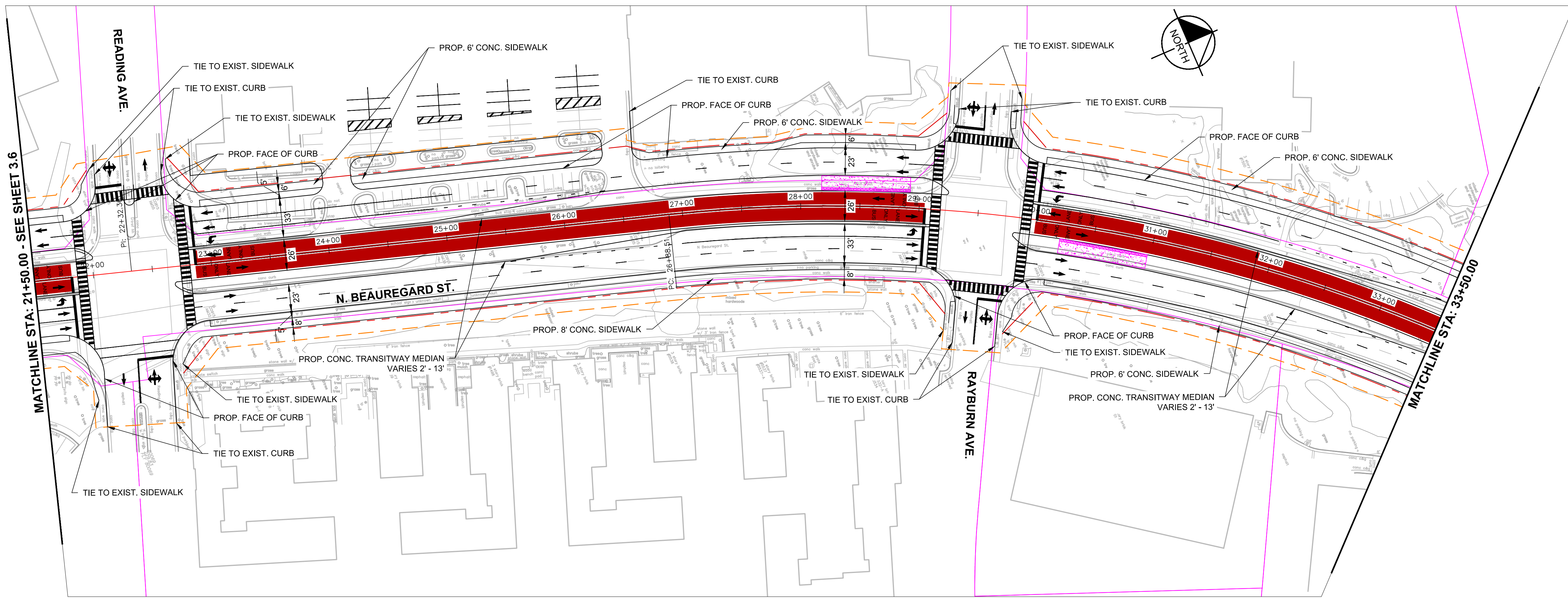
WEST END TRANSITWAY  
 CONCEPTUAL DESIGN PLANS  
 CITY OF ALEXANDRIA, VIRGINIA

SHEET NUMBER  
 3.6 of 3.9

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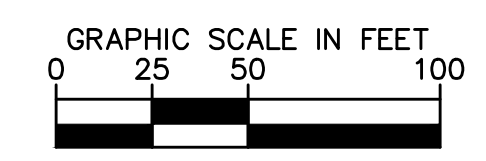


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WATERSHED BOUNDARY		
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KHA PROJECT	110251003
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DATE	

GEOMETRIC PLAN SHEET  
 BEAUREGARD ST.

WEST END TRANSITWAY  
 PRELIMINARY DESIGN PLANS  
 CITY OF ALEXANDRIA, VIRGINIA

SHEET NUMBER  
 3.7 of 3.9

NOT FOR CONSTRUCTION



