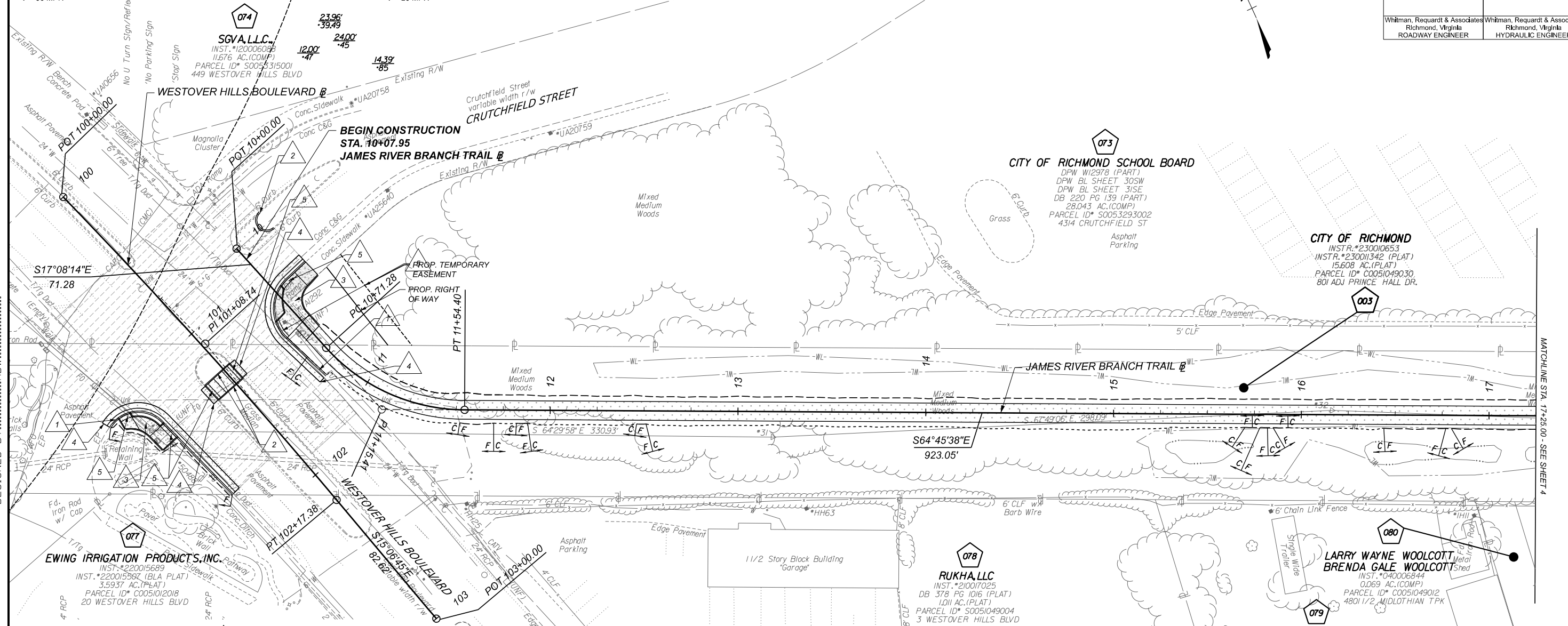


PI = 101+08.74  
 DELTA = 04°01'11.04" (RT)  
 D = 01°50'57"  
 T = 108.74'  
 L = 217.38'  
 R = 3,098.50'  
 PC = 100+00.00  
 PT = 102+17.38  
 e = MATCH EXISTING  
 V = 35 MPH

PI = 11+15.41  
 DELTA = 47°37'23.99" (LT)  
 D = 57°17'45"  
 T = 44.13'  
 L = 83.12'  
 R = 100.00'  
 PC = 10+71.28  
 PT = 11+54.40  
 e = 2%  
 V = 23 MPH

Whitman, Reardon & Associates  
 Richmond, Virginia  
 ROADWAY ENGINEER

Whitman, Reardon & Associates  
 Richmond, Virginia  
 HYDRAULIC ENGINEER



SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

MATCHLINE STA. 17+25.00 - SEE SHEET 4

- LEGEND**
- ST'D. RICHMOND CURB & GUTTER REQ'D.
  - ST'D. RICHMOND CURB REQ'D.
  - ST'D. VDOT CG-12 TYPE B REQ'D.
  - FULL DEPTH SAW CUT REQ'D.
  - PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - ST'D. VDOT MS-1A REQ'D.
  - ST'D. VDOT CG-6 REQ'D.
  - ST'D. VDOT HR-1 TYPE III REQ'D.
  - CHESAPEAKE BAY RMA BOUNDARY
- NOTES**
- Lot dimensions in parentheses are from deed.
  - Property owners correct as of 20
  - Ordinance Number
  - Adopted
  - Accepted
- REFERENCES**
- REVISIONS

**REFERENCES**

SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
3A, 3B, 3C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

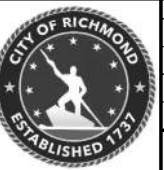
Total Site Area	9.81 Acres
Total ChesBay Area	1.26 Acres
Amount of Impervious Area	1.7 Acres
Amount of Impervious area in ChesBay	0.37 Acres
Amount of Open/Forested Space on Site	0 Acres
Amount of Open/Forested Space in ChesBay	0 Acres
Percentage of Impevous Area for Existing Conditions	0.82 %
Percentage of Impevous Area for Proposed Conditions	17.33 %

**60% 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.

**LEGEND**

Existing Curb & Gutter	Proposed Conc. Sidewalk	Proposed Sewer	Proposed Curb Cut Ramp
Basin	Water Valve	Decorative Light	Decorative Light
Storm Sewer	Water Meter	Conduit	Conduit (Conc. Encased)
Sewer Manhole	Gas Valve	Conduit (Conc. Encased)	Retaining Wall
Sanitary Sewer Manhole	Telephone Manhole	Retaining Wall	
Gas Line	Electric Manhole		
Electric Line	Utility Pole		
Telephone/Telegraph	Manhole		
TV Cable	Basin		
Water Line	Curb & Gutter		
Tree / Sial. Tree To Be Removed / Stump	Asphalt		
Property Line			



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
Maintenance Engineer	Director of Public Works
City Traffic Engineer	

JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT

**PLAN**

DEPARTMENT OF PUBLIC WORKS  
 RICHMOND, VIRGINIA

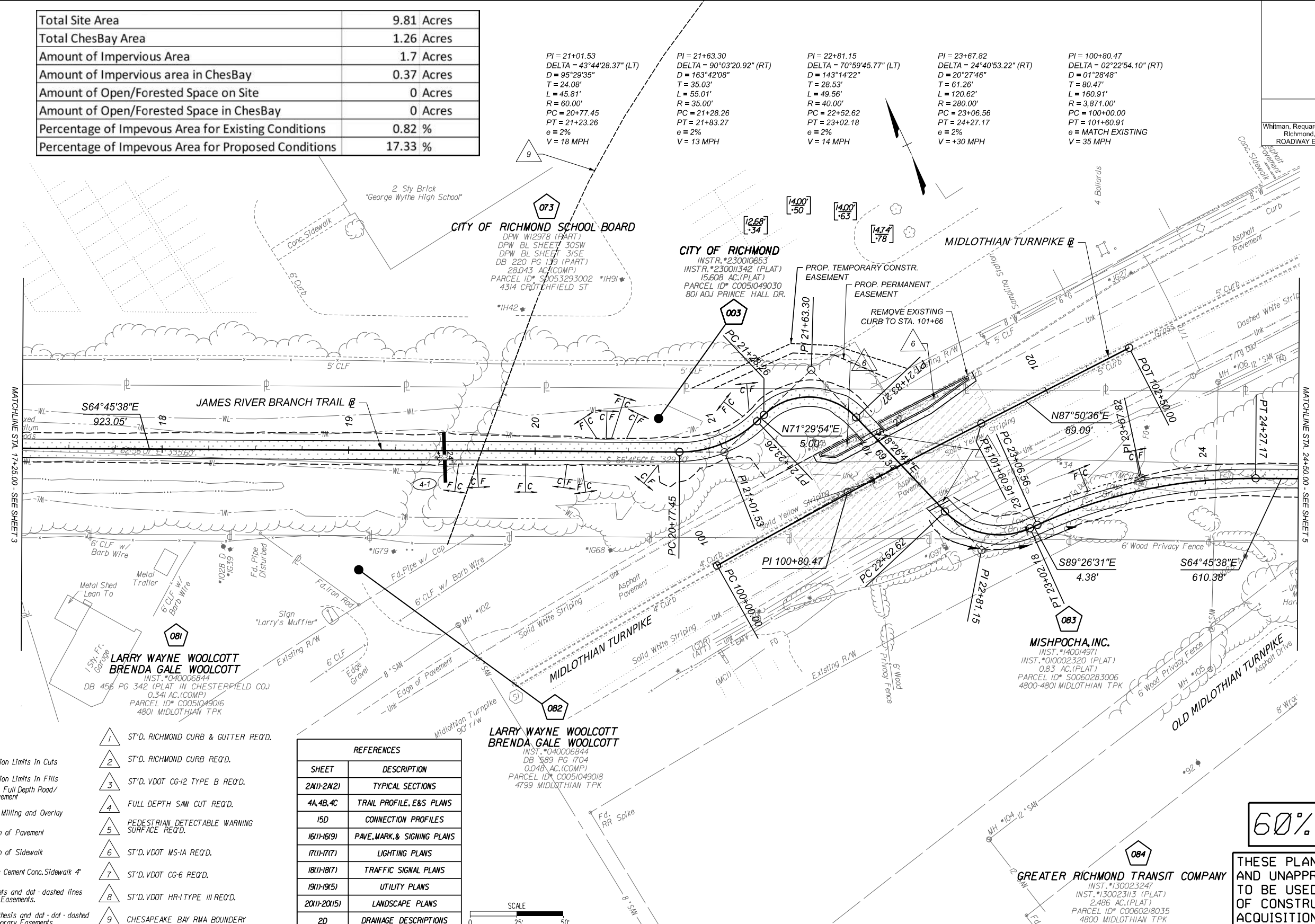
DESIGN BY: ADW  
 DRAWN BY: JLD  
 CHECKED BY: MSV

REVIEWED BY: [ ]  
 FIELD NOTES: [ ]

SCALE: 1" = 25'  
 DATE: FEBRUARY 2024  
 SHEET: 3  
 DRAWING NO.: 0-29054

Total Site Area	9.81 Acres
Total ChesBay Area	1.26 Acres
Amount of Impervious Area	1.7 Acres
Amount of Impervious area in ChesBay	0.37 Acres
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Whitman, Reardon & Associates Richmond, Virginia ROADWAY ENGINEER	Whitman, Reardon & Associates Richmond, Virginia HYDRAULIC ENGINEER
---	---

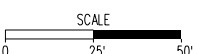


SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

- LEGEND**
- 1 ST'D. RICHMOND CURB & GUTTER REQ'D.
  - 2 ST'D. RICHMOND CURB REQ'D.
  - 3 ST'D. VDOT CG-12 TYPE B REQ'D.
  - 4 FULL DEPTH SAW CUT REQ'D.
  - 5 PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - 6 ST'D. VDOT MS-1A REQ'D.
  - 7 ST'D. VDOT CG-6 REQ'D.
  - 8 ST'D. VDOT HR-1 TYPE III REQ'D.
  - 9 CHESAPEAKE BAY RMA BOUNDARY
- Denotes Construction Limits in Cuts  
 Denotes Construction Limits in Fills  
 Denotes Proposed Full Depth Road/10' Wide Trail Pavement  
 Denotes Pavement Milling and Overlay  
 Denotes Demolition of Pavement  
 Denotes Demolition of Sidewalk  
 Denotes Hydraulic Cement Conc. Sidewalk 4'
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parentheses and dot-dot-dashed lines denote Temporary Easements.

**REFERENCES**

SHEET	DESCRIPTION
2M11-2M21	TYPICAL SECTIONS
4A, 4B, 4C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
1611-1619	PAVE, MARK, & SIGNING PLANS
1711-1717	LIGHTING PLANS
1811-1817	TRAFFIC SIGNAL PLANS
1911-1915	UTILITY PLANS
2011-2015	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

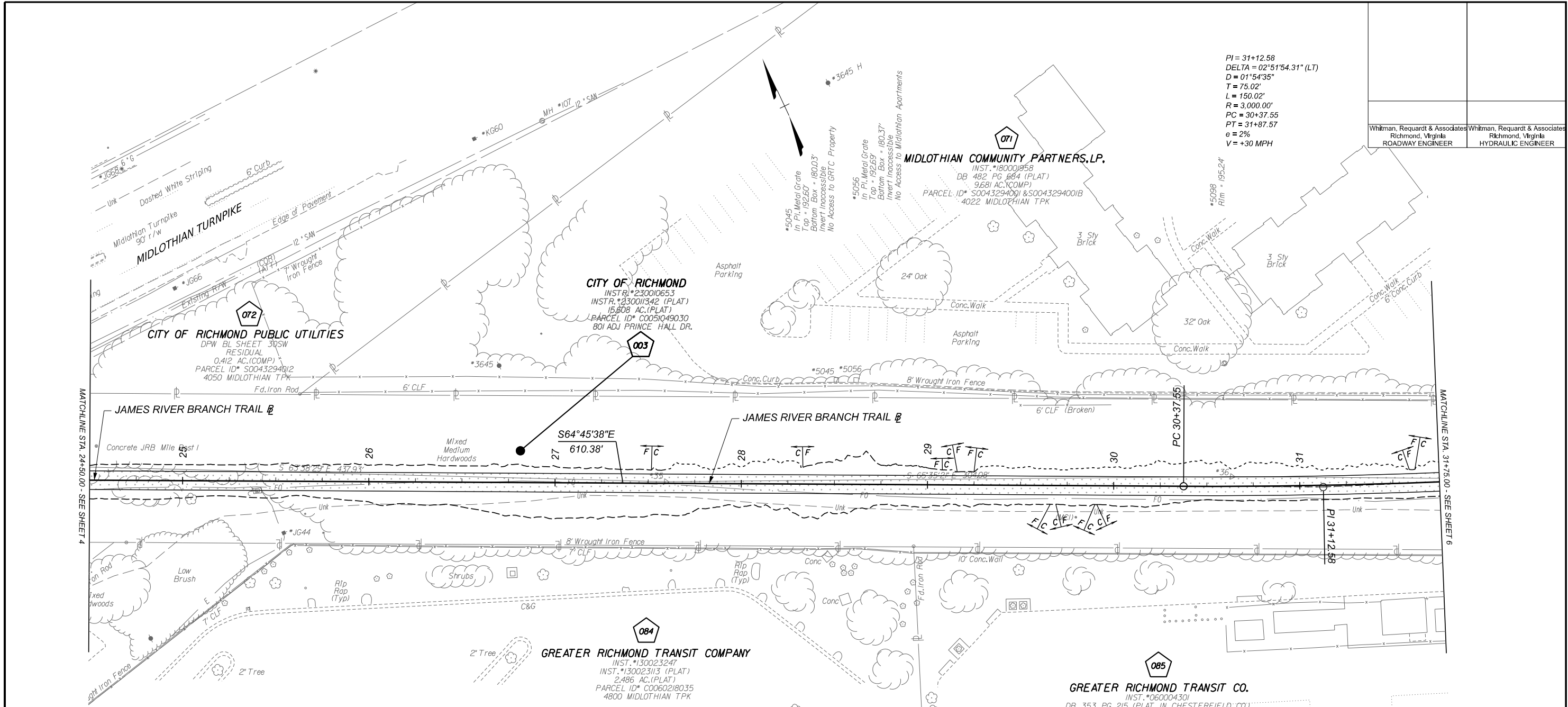


**60% PLANS**

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

<p><b>NOTES</b></p> <ol style="list-style-type: none"> <li>Lot dimensions in parentheses are from deed.</li> <li>Property owners correct as of 20</li> <li>Ordinance Number</li> <li>Adopted</li> <li>Accepted</li> </ol>		<p><b>REVISIONS</b></p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DESCRIPTION	DATE				<p><b>LEGEND</b></p> <table border="1"> <tr> <td>Existing Curb &amp; Gutter</td> <td>Proposed Curb &amp; Gutter</td> </tr> <tr> <td>Basin</td> <td>Basin</td> </tr> <tr> <td>Storm Sewer</td> <td>Storm Sewer</td> </tr> <tr> <td>Sewer Manhole</td> <td>Sewer Manhole</td> </tr> <tr> <td>Sanitary Sewer</td> <td>Sanitary Sewer</td> </tr> <tr> <td>Sanitary Sewer Manhole</td> <td>Sanitary Sewer Manhole</td> </tr> <tr> <td>Gas Line</td> <td>Gas Line</td> </tr> <tr> <td>Electric Line</td> <td>Electric Line</td> </tr> <tr> <td>Telephone/Telegraph</td> <td>Telephone/Telegraph</td> </tr> <tr> <td>TV Cable</td> <td>TV Cable</td> </tr> <tr> <td>Water Line</td> <td>Water Line</td> </tr> <tr> <td>Tree / Stial Tree To Be Removed / Stump</td> <td>Tree / Stial Tree To Be Removed / Stump</td> </tr> <tr> <td>Property Line</td> <td>Property Line</td> </tr> </table>		Existing Curb & Gutter	Proposed Curb & Gutter	Basin	Basin	Storm Sewer	Storm Sewer	Sewer Manhole	Sewer Manhole	Sanitary Sewer	Sanitary Sewer	Sanitary Sewer Manhole	Sanitary Sewer Manhole	Gas Line	Gas Line	Electric Line	Electric Line	Telephone/Telegraph	Telephone/Telegraph	TV Cable	TV Cable	Water Line	Water Line	Tree / Stial Tree To Be Removed / Stump	Tree / Stial Tree To Be Removed / Stump	Property Line	Property Line	<p><b>REFERENCES</b></p> <table border="1"> <tr> <td>Existing Curb Cut Ramp</td> <td>Proposed Curb Cut Ramp</td> </tr> <tr> <td>Coping</td> <td>Coping</td> </tr> <tr> <td>Alley Crossing/Driveway</td> <td>Alley Crossing/Driveway</td> </tr> <tr> <td>Fire Hydrant</td> <td>Fire Hydrant</td> </tr> <tr> <td>Edge of Pavement</td> <td>Edge of Pavement</td> </tr> <tr> <td>Fence</td> <td>Fence</td> </tr> <tr> <td>Cornerstone</td> <td>Cornerstone</td> </tr> <tr> <td>Property Pin</td> <td>Property Pin</td> </tr> <tr> <td>Utility Pole</td> <td>Utility Pole</td> </tr> <tr> <td>Proposed Sewer Manhole</td> <td>Proposed Sewer Manhole</td> </tr> <tr> <td>Basin</td> <td>Basin</td> </tr> <tr> <td>Curb &amp; Gutter</td> <td>Curb &amp; Gutter</td> </tr> <tr> <td>Asphalt</td> <td>Asphalt</td> </tr> </table>		Existing Curb Cut Ramp	Proposed Curb Cut Ramp	Coping	Coping	Alley Crossing/Driveway	Alley Crossing/Driveway	Fire Hydrant	Fire Hydrant	Edge of Pavement	Edge of Pavement	Fence	Fence	Cornerstone	Cornerstone	Property Pin	Property Pin	Utility Pole	Utility Pole	Proposed Sewer Manhole	Proposed Sewer Manhole	Basin	Basin	Curb & Gutter	Curb & Gutter	Asphalt	Asphalt	<p><b>Technical</b></p> <table border="1"> <tr> <td>Survey Superintendent</td> <td>Project Engineer</td> <td>Maintenance Engineer</td> <td>City Traffic Engineer</td> </tr> </table>		Survey Superintendent	Project Engineer	Maintenance Engineer	City Traffic Engineer	<p><b>Administrative</b></p> <table border="1"> <tr> <td>Capital Project Administrator</td> <td>Deputy Director for Transportation / Public Works</td> <td>Director of Public Works</td> </tr> </table>		Capital Project Administrator	Deputy Director for Transportation / Public Works	Director of Public Works	<p><b>DEPARTMENT OF PUBLIC WORKS</b> RICHMOND, VIRGINIA</p>		<p><b>JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT</b></p>		<p><b>PLAN</b></p>		<p>DESIGN BY: ADW DRAWN BY: MSV CHECKED BY: MSV</p>		<p>REVIEWED BY: [ ] FIELD NOTES: [ ]</p>		<p>SCALE: 1"=25' DATE: FEBRUARY 2024 SHEET: 4</p>		<p>DRAWING NO. 0-29054</p>	
NO.	DESCRIPTION	DATE																																																																																								
Existing Curb & Gutter	Proposed Curb & Gutter																																																																																									
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Survey Superintendent	Project Engineer	Maintenance Engineer	City Traffic Engineer																																																																																							
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SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...



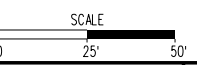
PI = 31+12.58  
 DELTA = 02°51'54.31" (LT)  
 D = 01°54'35"  
 T = 75.02'  
 L = 150.02'  
 R = 3,000.00'  
 PC = 30+37.55  
 PT = 31+87.57  
 e = 2%  
 V = +30 MPH

Whitman, Reardon & Associates Richmond, Virginia ROADWAY ENGINEER	Whitman, Reardon & Associates Richmond, Virginia HYDRAULIC ENGINEER
---	---

**LEGEND**

- ST'D. RICHMOND CURB & GUTTER REQ'D.
  - ST'D. RICHMOND CURB REQ'D.
  - ST'D. VDOT CG-12 TYPE B REQ'D.
  - FULL DEPTH SAW CUT REQ'D.
  - PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - ST'D. VDOT MS-1A REQ'D.
  - ST'D. VDOT CG-6 REQ'D.
  - ST'D. VDOT HR-1 TYPE III REQ'D.
  - CHESAPEAKE BAY RMA BOUNDARY
- [C] Denotes Construction Limits In Cuts  
 [F] Denotes Construction Limits In Fills  
 [Dotted] Denotes Proposed Full Depth Road/10' Wide Trail Pavement  
 [Diagonal Lines] Denotes Pavement Milling and Overlay  
 [Cross-hatch] Denotes Demolition of Pavement  
 [Horizontal Lines] Denotes Demolition of Sidewalk  
 [Stippled] Denotes Hydraulic Cement Conc. Sidewalk 4"
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

REFERENCES	
SHEET	DESCRIPTION
2A(1)-2A(2)	TYPICAL SECTIONS
5A, 5B, 5C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

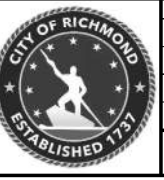


60% PLANS

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

NOTES	REVISIONS
1. Lot dimensions in parentheses are from deed.	
2. Property owners correct as of 20	
3. Ordinance Number	
4. Adopted	
5. Accepted	

LEGEND	
Existing Curb	
Existing Curb & Gutter	
Existing Sidewalk	
Basin	
Storm Sewer	
Sewer Manhole	
Sanitary Sewer Manhole	
Sanitary Sewer Manhole	
Gas Line	
Electric Line	
Telephone/Telegraph	
TV Cable	
Water Line	
Tree / Stial. Tree To Be Removed / Stump	
Property Line	



Technical	Administrative
Survey Superintendent	
Project Engineer	Capital Project Administrator
Maintenance Engineer	Deputy Director for Transportation / Public Works
City Traffic Engineer	Director of Public Works

DEPARTMENT OF PUBLIC WORKS  
 RICHMOND, VIRGINIA

JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT				
PLAN				
DESIGN BY: ADW	REVIEWED BY:	FIELD NOTES:	SCALE: 1"=25'	DATE: FEBRUARY 2024
CHECKED BY: MSV			SHEET: 5	DRAWING NO.: 0-29054



SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

PI = 31+12.58  
 DELTA = 02°51'54.31" (LT)  
 D = 01°54'35"  
 T = 75.02'  
 L = 150.02'  
 R = 3,000.00'  
 PC = 30+37.55  
 PT = 31+87.57  
 e = 2%  
 V = +30 MPH

PI = 33+12.61  
 DELTA = 02°51'54.31" (RT)  
 D = 01°08'45"  
 T = 125.04'  
 L = 250.03'  
 R = 6,000.00'  
 PC = 31+87.57  
 PT = 34+37.59  
 e = 2%  
 V = +30 MPH

PI = 10+42.18  
 DELTA = 59°17'48.36" (RT)  
 D = 143°14'22"  
 T = 22.77'  
 L = 41.40'  
 R = 40.00'  
 PC = 10+19.41  
 PT = 10+60.81  
 e = 2%  
 V = 14 MPH

Whitman, Reardon & Associates  
 Richmond, Virginia  
 ROADWAY ENGINEER

Whitman, Reardon & Associates  
 Richmond, Virginia  
 HYDRAULIC ENGINEER

**MIDLOTHIAN COMMUNITY PARTNERS, LP.**  
 INST. #180001958  
 DB 482 PG 684 (PLAT)  
 9.681 AC.(COMP)  
 PARCEL ID# S0043294001 & S0043294001B  
 4022 MIDLOTHIAN TPK

**CITY OF RICHMOND**  
 INSTR. #230010653  
 INSTR. #230011342 (PLAT)  
 15.608 AC.(PLAT)  
 PARCEL ID# C0051049030  
 801 ADJ PRINCE HALL DR.

**CITY OF RICHMOND PUBLIC UTILITIES**  
 NO REFERENCE  
 DB 482 PG 684 (ADJ PLAT)  
 0.885 AC.(COMP)  
 PARCEL ID# S0043294002  
 4000 MIDLOTHIAN TPK REAR

**PAULINE FINNEY-MOORE**  
 DB 436 PG 814  
 PB 04 PG 125  
 0.405 AC.(COMP)  
 PARCEL ID# S0043330105  
 3924 PEYTON AVE

**GREATER RICHMOND TRANSIT CO.**  
 INST. #060004301  
 DB 353 PG 215 (PLAT IN CHESTERFIELD CO.)  
 4.851 AC.(COMP)  
 PARCEL ID# C0060218034  
 217 A BELT BLVD

**GREATER RICHMOND TRANSIT CO.**  
 INST. #060004301  
 DB 353 PG 215 (PLAT IN CHESTERFIELD CO.)  
 6.846 AC.(COMP)  
 PARCEL ID# C0060154004  
 221 BELT BLVD

**LEGEND**

- ST'D. RICHMOND CURB & GUTTER REQ'D.
  - ST'D. RICHMOND CURB REQ'D.
  - ST'D. VDOT CG-12 TYPE B REQ'D.
  - FULL DEPTH SAW CUT REQ'D.
  - PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - ST'D. VDOT MS-1A REQ'D.
  - ST'D. VDOT CG-6 REQ'D.
  - ST'D. VDOT HR-1 TYPE III REQ'D.
  - CHESAPEAKE BAY RMA BOUNDARY
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

REFERENCES	
SHEET	DESCRIPTION
2(11)-2(12)	TYPICAL SECTIONS
6A,6B,6C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(11)-16(9)	PAVE, MARK, & SIGNING PLANS
17(11)-17(7)	LIGHTING PLANS
18(11)-18(7)	TRAFFIC SIGNAL PLANS
19(11)-19(5)	UTILITY PLANS
20(11)-20(15)	LANDSCAPE PLANS
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Total Site Area	9.81 Acres
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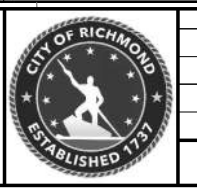
**60% PLANS**

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 ACQUISITION OF RIGHT OF WAY.

**NOTES**  
 1. Lot dimensions in parentheses are from deed.  
 2. Property owners correct as of 20...  
 3. Ordinance Number  
 4. Adopted  
 5. Accepted

**REVISIONS**  
 Existing Curb & Gutter  
 Sidewalk  
 Basin  
 Storm Sewer  
 Sewer Manhole  
 Sanitary Sewer Manhole  
 Sanitary Sewer Manhole  
 Gas Line  
 Electric Line  
 Telephone/Telegraph  
 TV Cable  
 Water Line  
 Tree / Stial. Tree To Be Removed / Stump  
 Property Line

**LEGEND**  
 Existing Curb Cut Ramp  
 Coping  
 Alley Crossing/Driveway  
 Fire Hydrant  
 Edge of Pavement  
 Fence  
 Cornerstone  
 Property Pin  
 Utility Pole  
 Proposed Sewer Manhole  
 Basin  
 Curb & Gutter  
 Asphalt



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
Maintenance Engineer	Director of Public Works
City Traffic Engineer	

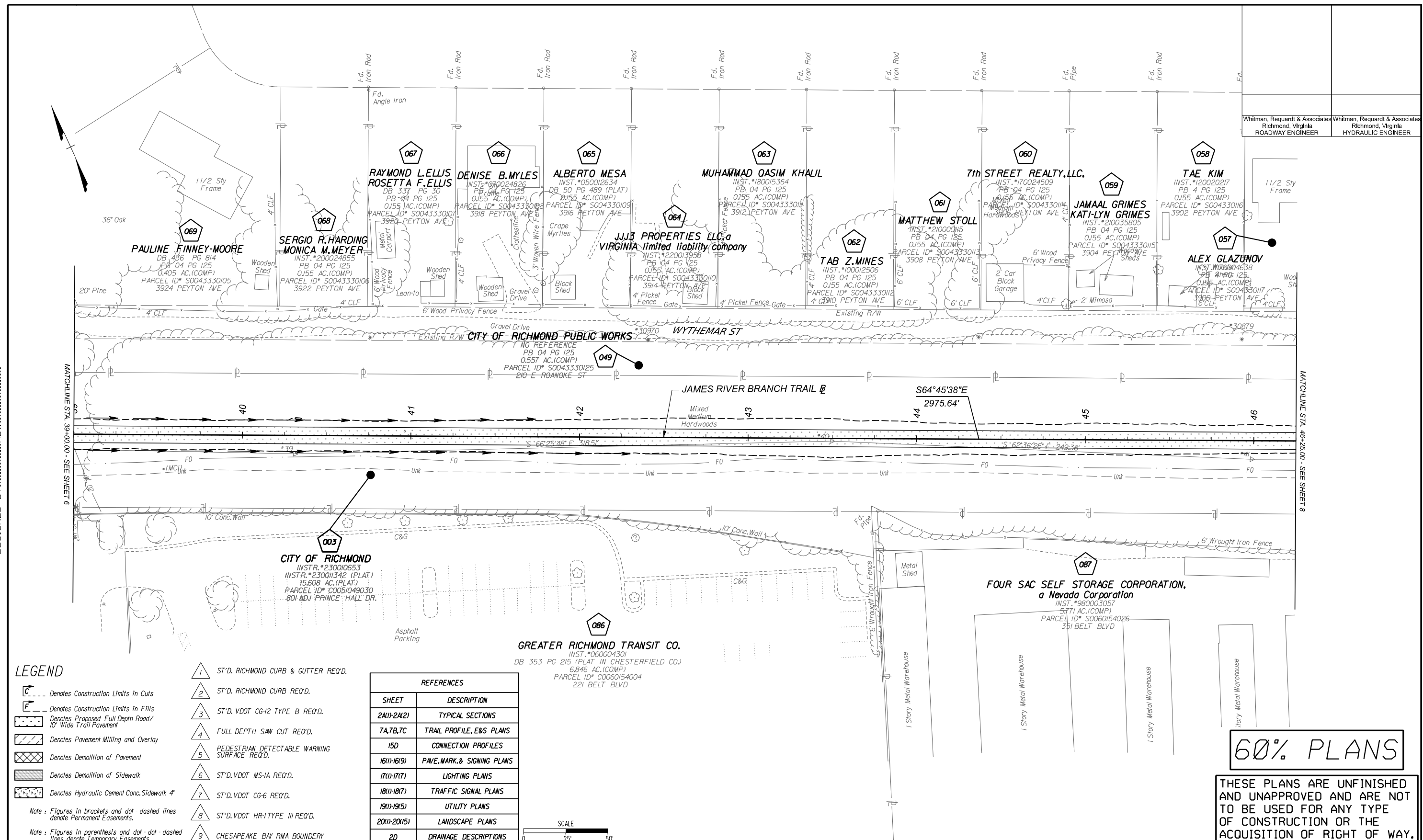
**JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT**

**PLAN**

DESIGN BY: ADW	REVIEWED BY:	FIELD NOTES	SCALE: 1"=25'	DATE: FEBRUARY 2024	SHEET: 6	DRAWING NO.: 0-29054
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SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

Whitman, Requardt & Associates  
 Richmond, Virginia  
 ROADWAY ENGINEER  
 Whitman, Requardt & Associates  
 Richmond, Virginia  
 HYDRAULIC ENGINEER

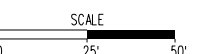


**LEGEND**

- Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes Proposed Full Depth Road/10' Wide Trail Pavement
  - Denotes Pavement Milling and Overlay
  - Denotes Demolition of Pavement
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- 1 ST'D. RICHMOND CURB & GUTTER REQ'D.
  - 2 ST'D. RICHMOND CURB REQ'D.
  - 3 ST'D. VDOT CG-12 TYPE B REQ'D.
  - 4 FULL DEPTH SAW CUT REQ'D.
  - 5 PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - 6 ST'D. VDOT MS-1A REQ'D.
  - 7 ST'D. VDOT CG-6 REQ'D.
  - 8 ST'D. VDOT HR-1 TYPE III REQ'D.
  - 9 CHESAPEAKE BAY RMA BOUNDARY

**REFERENCES**

SHEET	DESCRIPTION
2M11-2M21	TYPICAL SECTIONS
7A,7B,7C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
1611-1619	PAVE, MARK, & SIGNING PLANS
1711-1717	LIGHTING PLANS
1811-1817	TRAFFIC SIGNAL PLANS
1911-1915	UTILITY PLANS
2011-2015	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

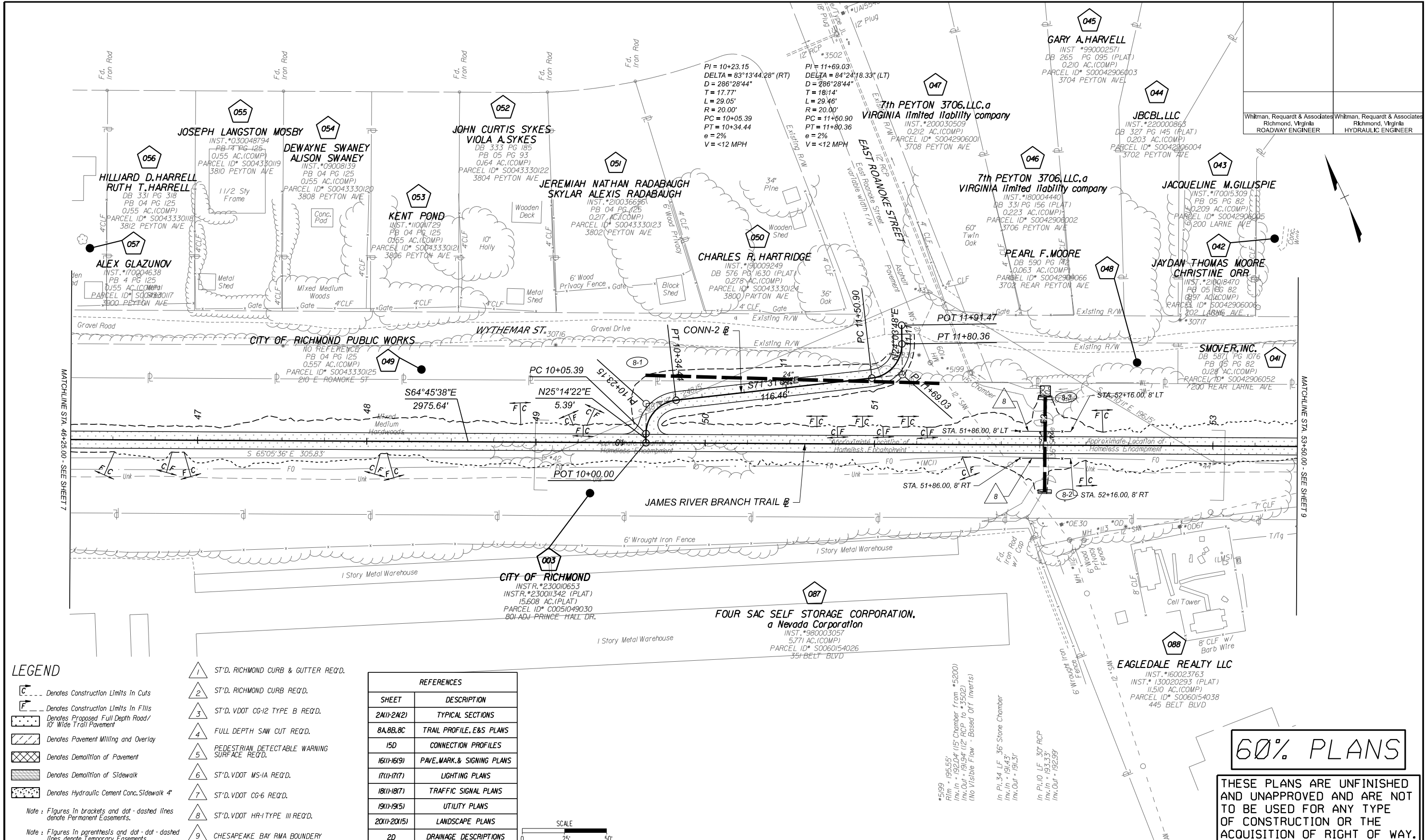


**60% PLANS**

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

<b>NOTES</b> 1. Lot dimensions in parenthesis are from deed. 2. Property owners correct as of 20... 3. Ordinance Number 4. Adopted 5. Accepted		<b>EXISTING CURB &amp; GUTTER</b> Curb & Gutter Basin Storm Sewer Sewer Manhole Sanitary Sewer Pump Sanitary Sewer Manhole Gas Line Electric Line Telephone/Telegraph TV Cable Water Line Tree / Stial. Tree To Be Removed / Stump Property Line	<b>LEGEND</b> Existing Curb Cut Ramp Coping Alley Crossing/Driveway Fire Hydrant Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter Asphalt	<b>PROPOSED CURB CUT RAMP</b> Proposed Conc. Sidewalk Brick Sidewalk Castings/Water Valve Water Meter Water Valve Gas Valve Telephone Manhole O.T. Electric Manhole O.E. Proposed Curb Cut Ramp Decorative Light Conduit Conduit (Conc. Encased) Retaining Wall		<b>DEPARTMENT OF PUBLIC WORKS</b> RICHMOND, VIRGINIA	<b>JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT</b>  <b>PLAN</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>Technical</b> </td> <td colspan="2" style="text-align: center;"> <b>Administrative</b> </td> </tr> <tr> <td style="text-align: center;">Survey Superintendent</td> <td style="text-align: center;">Project Engineer</td> <td style="text-align: center;">Capital Project Administrator</td> <td style="text-align: center;">Deputy Director for Transportation / Public Works</td> </tr> <tr> <td style="text-align: center;">Maintenance Engineer</td> <td style="text-align: center;">City Traffic Engineer</td> <td style="text-align: center;">Director of Public Works</td> <td></td> </tr> </table>	<b>Technical</b>		<b>Administrative</b>		Survey Superintendent	Project Engineer	Capital Project Administrator	Deputy Director for Transportation / Public Works	Maintenance Engineer	City Traffic Engineer	Director of Public Works	
<b>Technical</b>		<b>Administrative</b>																		
Survey Superintendent	Project Engineer	Capital Project Administrator	Deputy Director for Transportation / Public Works																	
Maintenance Engineer	City Traffic Engineer	Director of Public Works																		
<b>REFERENCES</b> RL-XX RW, NE, SW, SE	<b>REVISIONS</b>			DESIGN BY: ADW DRAWN BY: MSV CHECKED BY:	REVIEWED BY: FIELD NOTES:	SCALE: 1"=25' DATE: FEBRUARY 2024 SHEET: 7	DRAWING NO.: 0-29054													

SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...



**LEGEND**

- ST'D. RICHMOND CURB & GUTTER REQ'D.
- ST'D. RICHMOND CURB REQ'D.
- ST'D. VDOT CG-12 TYPE B REQ'D.
- FULL DEPTH SAW CUT REQ'D.
- PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
- ST'D. VDOT MS-1A REQ'D.
- ST'D. VDOT CG-6 REQ'D.
- ST'D. VDOT HR-1 TYPE III REQ'D.
- CHESAPEAKE BAY RMA BOUNDARY

**NOTES**

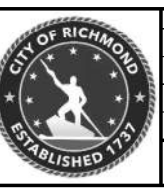
- Lot dimensions in parentheses are from deed.
- Property owners correct as of 2020.
- Reference Number: M. Adopted
- Accepted

**REFERENCES**

SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
8A, 8B, 8C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

**SCALE**  
0 25 50'

REFERENCES	
SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
8A, 8B, 8C	TRAIL PROFILE, E&S PLANS
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18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
Maintenance Engineer	City Traffic Engineer
City Traffic Engineer	Director of Public Works

DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

**JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT**

**PLAN**

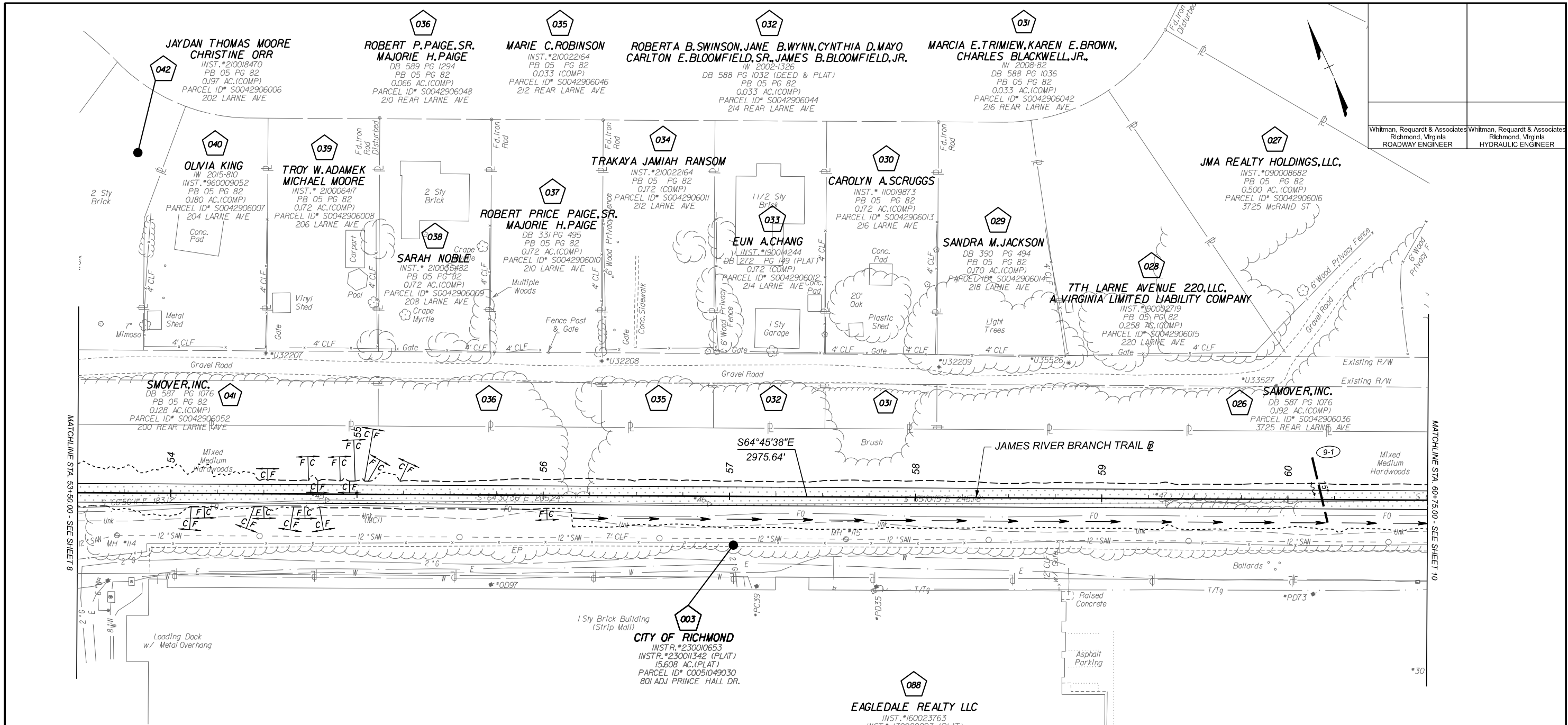
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 DRAWN BY: MSV  
 CHECKED BY: MSV

REVIEWED BY: [ ]  
 FIELD NOTES: [ ]  
 SCALE: 1"=25'  
 DATE: FEBRUARY 2024  
 SHEET: 8  
 DRAWING NO.: 0-29054

60% PLANS

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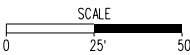
SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...



**LEGEND**

- ST'D. RICHMOND CURB & GUTTER REQ'D.
  - ST'D. RICHMOND CURB REQ'D.
  - ST'D. VDOT CG-12 TYPE B REQ'D.
  - FULL DEPTH SAW CUT REQ'D.
  - PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - ST'D. VDOT MS-1A REQ'D.
  - ST'D. VDOT CG-6 REQ'D.
  - ST'D. VDOT HR-1 TYPE III REQ'D.
  - CHESAPEAKE BAY RMA BOUNDARY
- Denotes Construction Limits In Cuts  
 Denotes Construction Limits In Fills  
 Denotes Proposed Full Depth Road/10' Wide Trail Pavement  
 Denotes Pavement Milling and Overlay  
 Denotes Demolition of Pavement  
 Denotes Demolition of Sidewalk  
 Denotes Hydraulic Cement Conc. Sidewalk 4
- Note : Figures in brackets and dot - dashed lines denote Permanent Easements.  
 Note : Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

REFERENCES	
SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
9A,9B,9C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS



NOTES	REVISIONS
1. Lot dimensions in parentheses are from deed.	
2. Property owners correct as of . 20	
3. Ordinance Number	
4. Adopted	
5. Accepted	

LEGEND	SYMBOLS
Existing Curb & Gutter	
Sidewalk	
Basin	
Storm Sewer	
Sewer Manhole	
Sanitary Sewer Manhole	
Sanitary Sewer Manhole	
Gas Line	
Electric Line	
Telephone/Telegraph	
TV Cable	
Water Line	
Tree / Signal Tree To Be Removed / Stump	
Property Line	



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
Maintenance Engineer	Director of Public Works
City Traffic Engineer	

JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT	
PLAN	
DESIGN BY: ADW	REVIEWED BY: JLD
DRAWN BY: MSV	CHECKED BY: MSV
FIELD NOTES	SCALE: 1"=25'
DATE: FEBRUARY 2024	SHEET: 9
DRAWING NO. 0-29054	

**60% PLANS**

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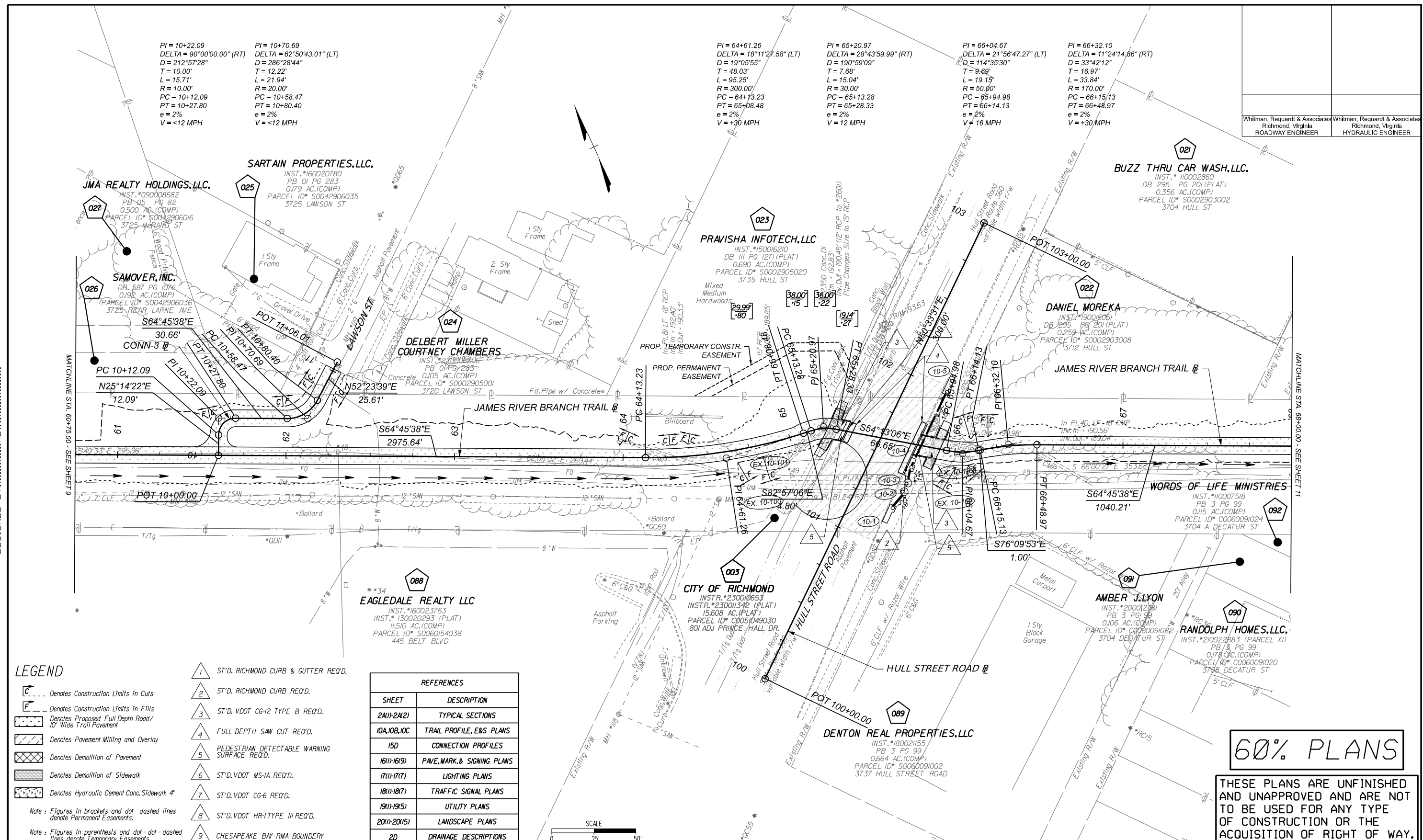
Whitman, Requardt & Associates  
 Richmond, Virginia  
 ROADWAY ENGINEER

Whitman, Requardt & Associates  
 Richmond, Virginia  
 HYDRAULIC ENGINEER



SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

Whitman, Reardon & Associates Richmond, Virginia ROADWAY ENGINEER	Whitman, Reardon & Associates Richmond, Virginia HYDRAULIC ENGINEER
---	---



**LEGEND**

- ST'D. RICHMOND CURB & GUTTER REQ'D.
  - ST'D. RICHMOND CURB REQ'D.
  - ST'D. VDOT CG-12 TYPE B REQ'D.
  - FULL DEPTH SAW CUT REQ'D.
  - PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - ST'D. VDOT MS-1A REQ'D.
  - ST'D. VDOT CG-6 REQ'D.
  - ST'D. VDOT HR-1 TYPE III REQ'D.
  - CHESAPEAKE BAY RMA BOUNDARY
- Denotes Construction Limits in Cuts  
 Denotes Construction Limits in Fills  
 Denotes Proposed Full Depth Road/10' Wide Trail Pavement  
 Denotes Pavement Milling and Overlay  
 Denotes Demolition of Pavement  
 Denotes Demolition of Sidewalk  
 Denotes Hydraulic Cement Conc. Sidewalk 4
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

REFERENCES	
SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
10A,10B,10C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

**NOTES**

- Lot dimensions in parentheses are from deed.
- Property owners correct as of 20
- Ordinance Number
- Adopted
- Accepted

**REFERENCES**  
 RL-XX RW, NS, SW, SE

**REVISIONS**

EXISTING	PROPOSED
Existing Curb & Gutter	Proposed Curb & Gutter
Basin	Basin
Storm Sewer	Sanitary Sewer
Sewer Manhole	Sanitary Sewer Manhole
Sanitary Sewer Manhole	Sanitary Sewer Manhole
Gas Line	Gas Line
Electric Line	Electric Line
Telephone/Telegraph	Telephone/Telegraph
TV Cable	TV Cable
Water Line	Water Line
Tree / Signal Tree To Be Removed / Stump	Tree / Signal Tree To Be Removed / Stump
Property Line	Property Line



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
Maintenance Engineer	Director of Public Works
City Traffic Engineer	

**JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT**

**PLAN**

DESIGN BY: ADW  
 DRAWN BY: MSV  
 CHECKED BY: MSV

REVIEWED BY: [ ]  
 FIELD NOTES: [ ]  
 SCALE: 1"=25'  
 DATE: FEBRUARY 2024  
 SHEET: 10  
 DRAWING NO.: 0-29054

60% PLANS

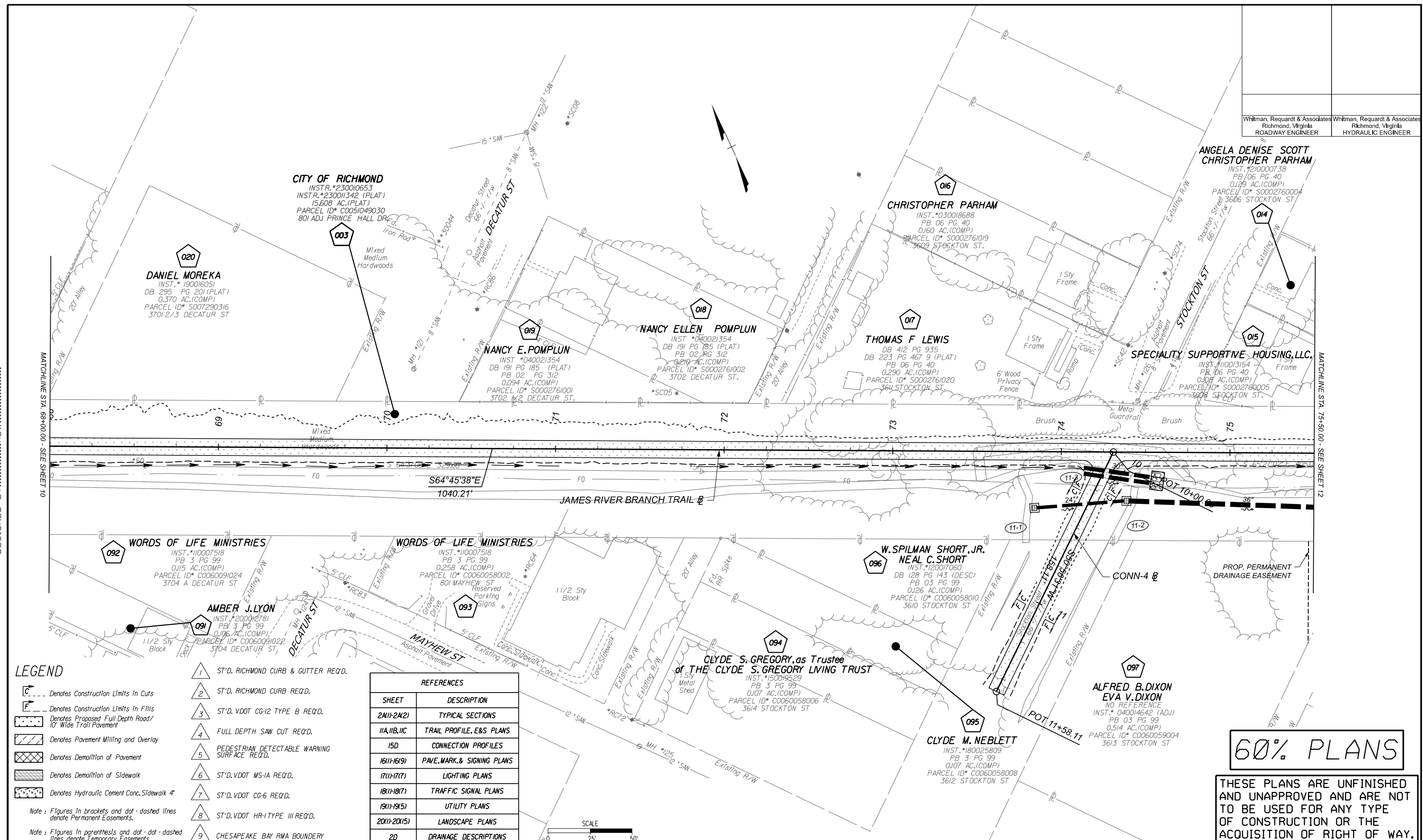
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Whitman, Reardon & Associates  
Richmond, Virginia  
ROADWAY ENGINEER

Whitman, Reardon & Associates  
Richmond, Virginia  
HYDRAULIC ENGINEER

SURVEYED BY: H&B SURVEYING & MAPPING LLC  
SUPERVISED BY: MSV  
DESIGNED BY: ADW



- LEGEND**
- ST'D. RICHMOND CURB & GUTTER REQ'D.
  - ST'D. RICHMOND CURB REQ'D.
  - ST'D. VDOT CG-12 TYPE B REQ'D.
  - FULL DEPTH SAW CUT REQ'D.
  - PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - ST'D. VDOT MS-1A REQ'D.
  - ST'D. VDOT CG-6 REQ'D.
  - ST'D. VDOT HR-1 TYPE III REQ'D.
  - CHESAPEAKE BAY RMA BOUNDARY
- NOTES**
- Lot dimensions in parentheses are from deed.
  - Property owners correct as of 2020.
  - Ordinance Number
  - Adopted
  - Accepted

**REFERENCES**

SHEET	DESCRIPTION
2(11)-2(2)	TYPICAL SECTIONS
1(1A,1B,1C)	TRAIL PROFILE, E&S PLANS
1(5D)	CONNECTION PROFILES
1(6(11)-1(6(9))	PAVE, MARK, & SIGNING PLANS
1(7(11)-1(7(7))	LIGHTING PLANS
1(8(11)-1(8(7))	TRAFFIC SIGNAL PLANS
1(9(11)-1(9(5))	UTILITY PLANS
2(20(11)-2(20(15))	LANDSCAPE PLANS
2(2D)	DRAINAGE DESCRIPTIONS



**60% PLANS**

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NOTES	REVISIONS	LEGEND
1. Lot dimensions in parentheses are from deed.		Existing Curb & Gutter
2. Property owners correct as of 2020.		Basin
3. Ordinance Number		Storm Sewer
4. Adopted		Sewer Manhole
5. Accepted		Sanitary Sewer
		Sanitary Sewer Manhole
		Gas Line
		Electric Line
		Telephone/Telegraph
		TV Cable
		Water Line
		Tree / Stial Tree To Be Removed / Stump
		Property Line
		Proposed Sewer Manhole
		Basin
		Curb & Gutter
		Asphalt
		Proposed Conc. Sidewalk
		Proposed Brick Sidewalk
		Castings/Water Valve
		Water Meter
		Gas Valve
		Telephone Manhole
		Electric Manhole
		Proposed Curb Cut Ramp
		Decorative Light
		Conduit
		Conduit (Conc. Encased)
		Retaining Wall

**CITY OF RICHMOND**  
ESTABLISHED 1737

DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT

**PLAN**

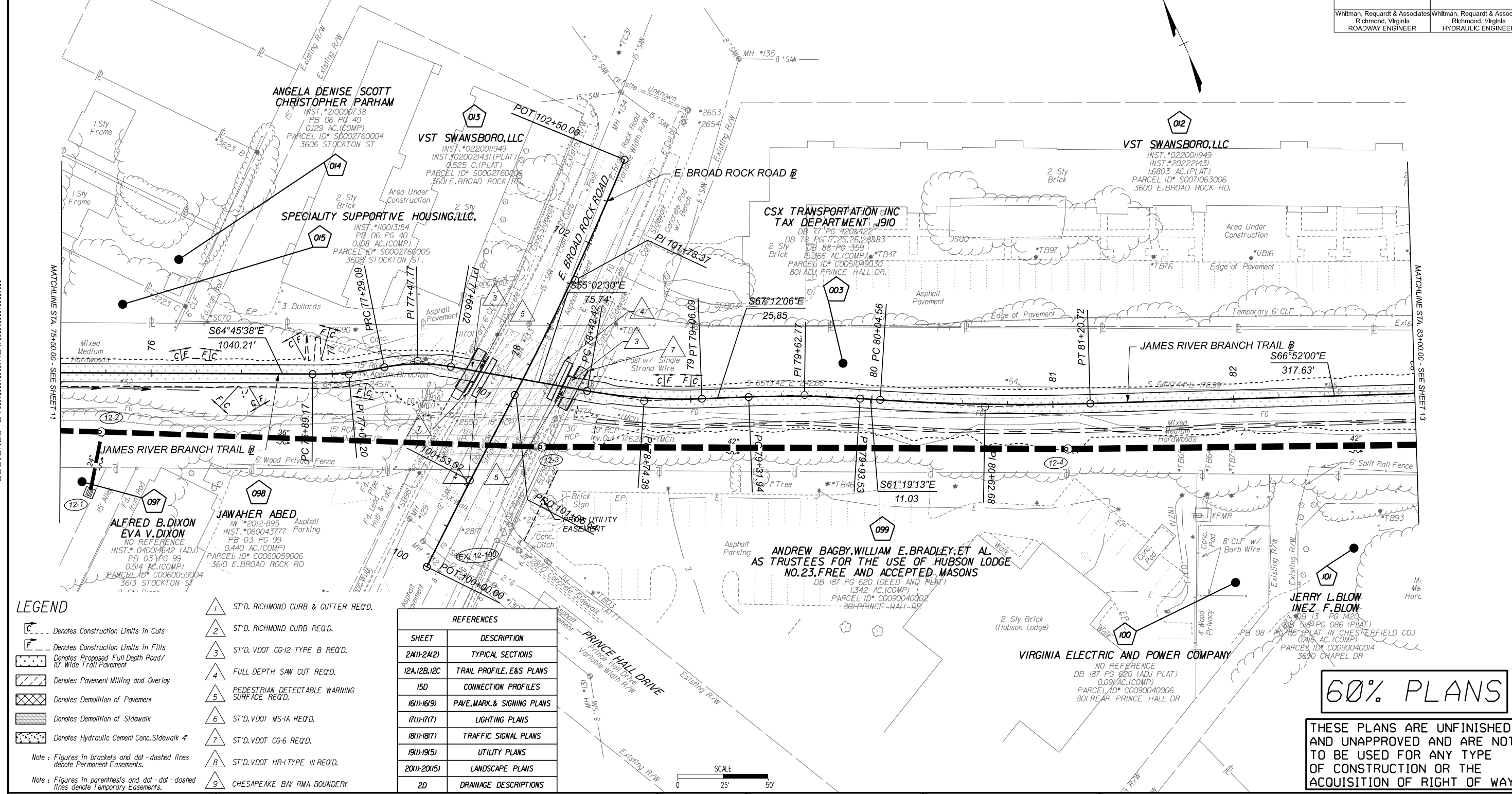
Technical		Administrative	
Survey Superintendent		Capital Project Administrator	
Project Engineer		Deputy Director for Transportation / Public Works	
Maintenance Engineer		Director of Public Works	
City Traffic Engineer			

DESIGN BY: ADW	REVIEWED BY:	FIELD NOTES:	SCALE: 1"=25'	DATE: FEBRUARY 2024	SHEET: 11	DRAWING NO.: 0-29054
CHECKED BY: MSV						

SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

PI = 77+09.20 DELTA = 11°26'11.59" (LT) D = 28°38'52" T = 20.03' L = 39.92' R = 200.00' PC = 76+89.17 PT = 77+29.09 e = 2% V = +30 MPH	PI = 77+47.77 DELTA = 21°09'19.89" (RT) D = 57°17'45" T = 18.67' L = 36.92' R = 100.00' PC = 77+29.09 PT = 77+66.02 e = 2% V = 23 MPH	PI = 78+74.38 DELTA = 12°09'36.38" (LT) D = 19°05'55" T = 31.96' L = 63.67' R = 300.00' PC = 78+42.42 PT = 79+06.09 e = 2% V = +30 MPH	PI = 79+62.77 DELTA = 05°52'52.63" (RT) D = 09°32'57" T = 30.82' L = 61.59' R = 600.00' PC = 79+31.94 PT = 79+53.53 e = 2% V = +30 MPH	PI = 80+62.68 DELTA = 05°32'46.39" (LT) D = 04°46'29" T = 58.13' L = 116.16' R = 1,200.00' PC = 80+04.56 PT = 81+20.72 e = 2% V = +30 MPH	PI = 100+53.32 DELTA = 01°21'28.06" (RT) D = 01°16'24" T = 53.32' L = 106.64' R = 4,500.00' PC = 100+00.00 PT = 101+06.64 e = MATCH EXISTING V = 35 MPH	PI = 101+78.37 DELTA = 05°23'10.22" (RT) D = 03°45'26" T = 71.73' L = 143.36' R = 1,525.00' PC = 101+06.64 PT = 102+50.00 e = MATCH EXISTING V = 35 MPH
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Whitman, Reardon & Associates Richmond, Virginia ROADWAY ENGINEER	Whitman, Reardon & Associates Richmond, Virginia HYDRAULIC ENGINEER
---	---



**LEGEND**

- Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes Proposed Full Depth Road/10' Wide Trail Pavement
  - Denotes Pavement Milling and Overlay
  - Denotes Demolition of Pavement
  - Denotes Demolition of Sidewalk
  - Denotes Hydraulic Cement Conc. Sidewalk 4"
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.
- 1 ST'D. RICHMOND CURB & GUTTER REQ'D.
  - 2 ST'D. RICHMOND CURB REQ'D.
  - 3 ST'D. VDOT CG-12 TYPE B REQ'D.
  - 4 FULL DEPTH SAW CUT REQ'D.
  - 5 PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - 6 ST'D. VDOT MS-1A REQ'D.
  - 7 ST'D. VDOT CG-6 REQ'D.
  - 8 ST'D. VDOT HR-1 TYPE III REQ'D.
  - 9 CHESAPEAKE BAY RMA BOUNDARY

REFERENCES	
SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
12A(1), 12B, 12C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

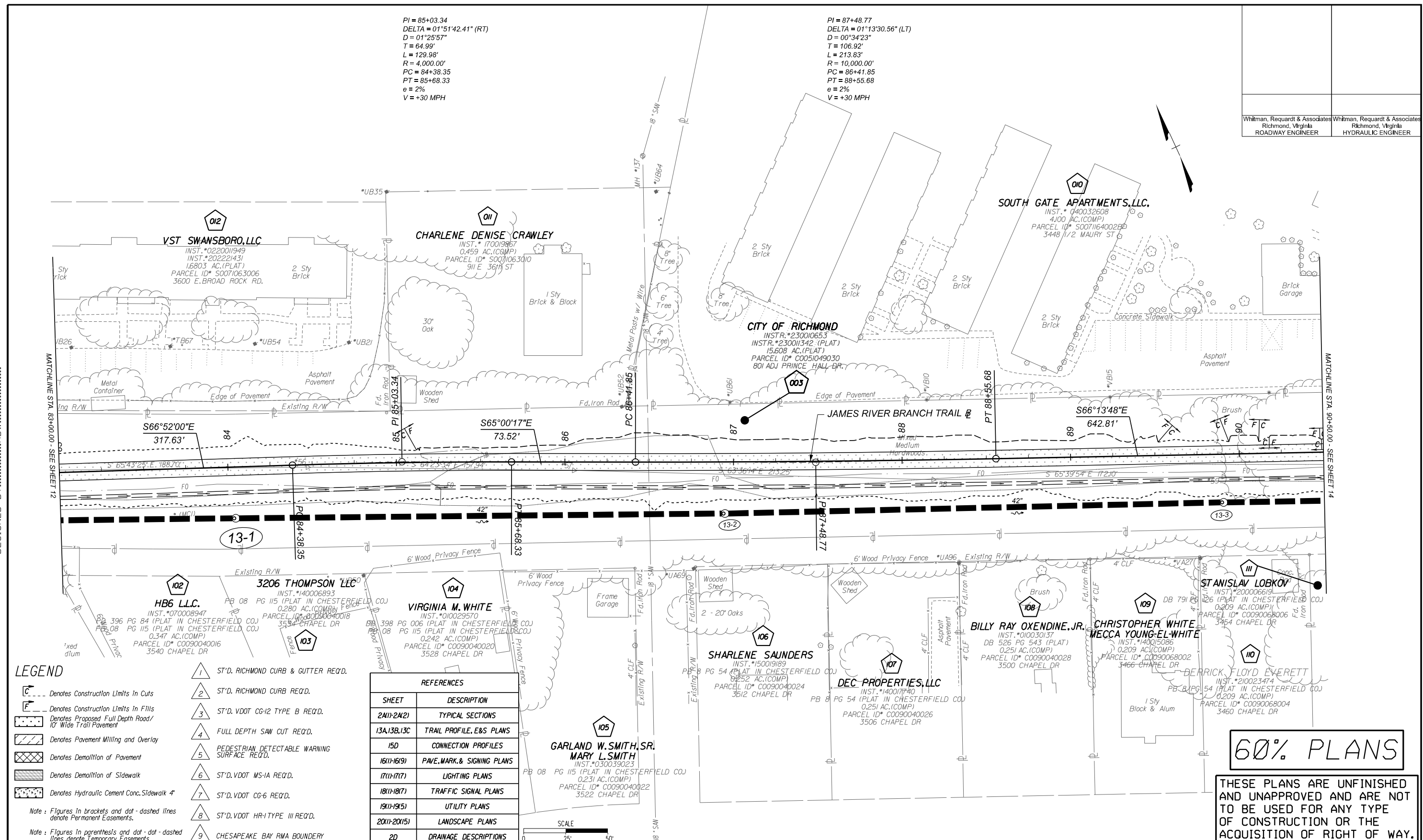
**60% PLANS**

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<b>NOTES</b> 1. Lot dimensions in parentheses are from deed. 2. Property owners correct as of 20... 3. Ordinance Number 4. Adopted 5. Accepted		<b>LEGEND</b> Existing Curb & Gutter Basin Storm Sewer Sewer Manhole Sanitary Sewer Sanitary Sewer Manhole Gas Line Electric Line Telephone/Telegraph TV Cable Water Line Tree / Stial. Tree To Be Removed / Stump Property Line		<b>LEGEND</b> Existing Curb Cut Ramp Coping Alley Crossing/Driveway Fire Hydrant Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter Asphalt		<b>LEGEND</b> Proposed Conc. Sidewalk Brick Sidewalk Castings/Water Valve Water Meter Gas Valve Telephone Manhole Electric Manhole Proposed Curb Cut Ramp Decorative Light Conduit Conduit (Conc. Encased) Retaining Wall			<b>Technical</b> Survey Superintendent Project Engineer Maintenance Engineer City Traffic Engineer	<b>Administrative</b> Capital Project Administrator Deputy Director for Transportation / Public Works Director of Public Works	<b>JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT</b>  <h1 style="font-size: 2em;">PLAN</h1>	DESIGN BY: ADW DRAWN BY: MSV CHECKED BY:	REVIEWED BY: FIELD NOTES:	SCALE: 1"=25' DATE: FEBRUARY 2024 SHEET: 12	DRAWING NO. 0-29054
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SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

Whitman, Requardt & Associates Richmond, Virginia ROADWAY ENGINEER	Whitman, Requardt & Associates Richmond, Virginia HYDRAULIC ENGINEER
--	--



**LEGEND**

- Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes Proposed Full Depth Road/10' Wide Trail Pavement
  - Denotes Pavement Milling and Overlay
  - Denotes Demolition of Pavement
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REFERENCES	
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60% PLANS

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NOTES	REVISIONS	LEGEND										
1. Lot dimensions in parentheses are from deed. 2. Property owners correct as of 20... 3. Ordinance Number 4. Adopted 5. Accepted	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>EXISTING</th> <th>PROPOSED</th> </tr> <tr> <td>           Curb &amp; Gutter            Sidewalk            Basin            Storm Sewer            Sewer Manhole            Sanitary Sewer Manhole            Sanitary Sewer Manhole            Gas Line            Electric Line            Telephone/Telegraph            TV Cable            Water Line            Tree / Stial. Tree To Be Removed / Stump            Property Line         </td> <td>           Proposed Curb Cut Ramp            Coping            Alley Crossing/Driveway            Fire Hydrant            Edge of Pavement            Fence            Cornerstone            Property Pin            Utility Pole            Proposed Sewer Manhole            Basin            Curb &amp; Gutter            Asphalt         </td> </tr> </table>	EXISTING	PROPOSED	Curb & Gutter Sidewalk Basin Storm Sewer Sewer Manhole Sanitary Sewer Manhole Sanitary Sewer Manhole Gas Line Electric Line Telephone/Telegraph TV Cable Water Line Tree / Stial. Tree To Be Removed / Stump Property Line	Proposed Curb Cut Ramp Coping Alley Crossing/Driveway Fire Hydrant Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter Asphalt
NO.	DATE	DESCRIPTION										
EXISTING	PROPOSED											
Curb & Gutter Sidewalk Basin Storm Sewer Sewer Manhole Sanitary Sewer Manhole Sanitary Sewer Manhole Gas Line Electric Line Telephone/Telegraph TV Cable Water Line Tree / Stial. Tree To Be Removed / Stump Property Line	Proposed Curb Cut Ramp Coping Alley Crossing/Driveway Fire Hydrant Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter Asphalt											

<p><b>CITY OF RICHMOND</b> ESTABLISHED 1771</p>	<b>Technical</b> Survey Superintendent Project Engineer Maintenance Engineer City Traffic Engineer	<b>Administrative</b> Capital Project Administrator Deputy Director for Transportation / Public Works Director of Public Works
	<b>JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT</b>	
	<h1 style="font-size: 2em;">PLAN</h1>	
	<b>DEPARTMENT OF PUBLIC WORKS</b> <b>RICHMOND, VIRGINIA</b>	

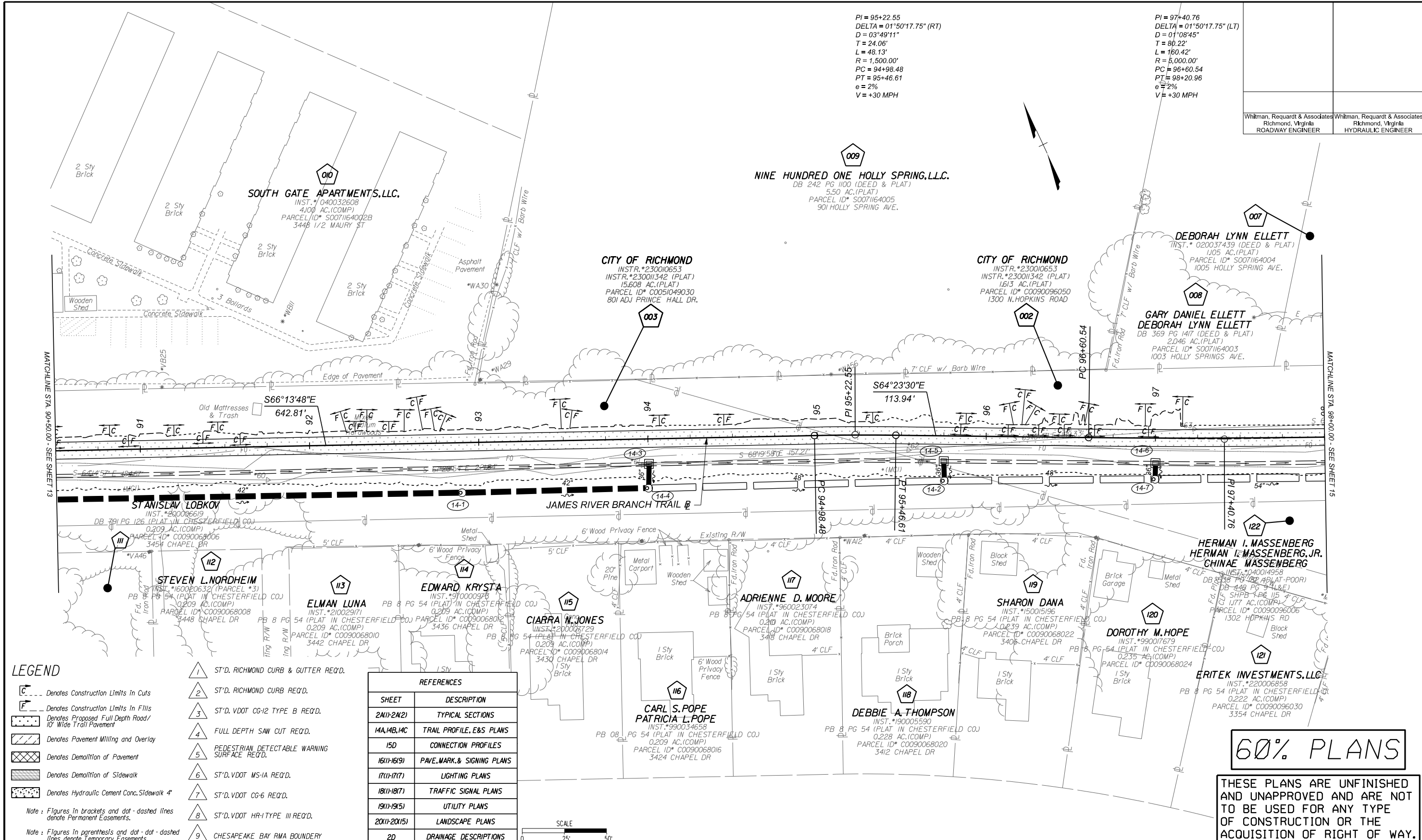
DESIGN BY: ADW	REVIEWED BY:	FIELD NOTES:	SCALE: 1"=25'	DATE: FEBRUARY 2024	SHEET: 13	DRAWING NO.: 0-29054
CHECKED BY: MSV						

SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...

PI = 95+22.55  
 DELTA = 01°50'17.75" (RT)  
 D = 03'49"11"  
 T = 24.06'  
 L = 48.13'  
 R = 1,500.00'  
 PC = 94+98.48  
 PT = 95+46.61  
 e = 2%  
 V = +30 MPH

PI = 97+40.76  
 DELTA = 01°50'17.75" (LT)  
 D = 01'08"45"  
 T = 80.22'  
 L = 160.42'  
 R = 5,000.00'  
 PC = 96+60.54  
 PT = 98+20.96  
 e = 2%  
 V = +30 MPH

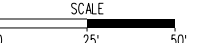
Whitman, Reardon & Associates Richmond, Virginia ROADWAY ENGINEER	Whitman, Reardon & Associates Richmond, Virginia HYDRAULIC ENGINEER
---	---



- LEGEND**
- Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes Proposed Full Depth Road/10' Wide Trail Pavement
  - Denotes Pavement Milling and Overlay
  - Denotes Demolition of Pavement
  - Denotes Demolition of Sidewalk
  - Denotes Hydraulic Cement Conc. Sidewalk 4"
- Note: Figures in brackets and dot-dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.
- 1 ST'D. RICHMOND CURB & GUTTER REQ'D.
  - 2 ST'D. RICHMOND CURB REQ'D.
  - 3 ST'D. VDOT CG-12 TYPE B REQ'D.
  - 4 FULL DEPTH SAW CUT REQ'D.
  - 5 PEDESTRIAN DETECTABLE WARNING SURFACE REQ'D.
  - 6 ST'D. VDOT MS-1A REQ'D.
  - 7 ST'D. VDOT CG-6 REQ'D.
  - 8 ST'D. VDOT HR-1 TYPE III REQ'D.
  - 9 CHESAPEAKE BAY RMA BOUNDARY

**REFERENCES**

SHEET	DESCRIPTION
2M11-2M21	TYPICAL SECTIONS
14A, 14B, 14C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
1611-1619	PAVE, MARK, & SIGNING PLANS
1711-1717	LIGHTING PLANS
1811-1817	TRAFFIC SIGNAL PLANS
1911-1915	UTILITY PLANS
2011-2015	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS



**60% 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.

**NOTES**

- Lot dimensions in parentheses are from deed.
- Property owners correct as of 20
- Ordinance Number
- Adopted
- Accepted

**REVISIONS**

NO.	DESCRIPTION
1	Existing Curb & Gutter
2	Basin
3	Storm Sewer
4	Sewer Manhole
5	Sanitary Sewer Manhole
6	Sanitary Sewer Manhole
7	Gas Line
8	Electric Line
9	Telephone/Telegraph
10	TV Cable
11	Water Line
12	Tree / Stial Tree To Be Removed / Stump
13	Property Line

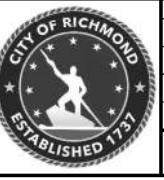
**LEGEND**

Existing Curb Cut Ramp

- Coping
- Alley Crossing/Driveway
- Fire Hydrant
- Edge of Pavement
- Cornerstone
- Property Pin
- Utility Pole
- Proposed Sewer Manhole
- Basin
- Curb & Gutter
- Asphalt

Proposed Conc. Sidewalk

- Brick Sidewalk
- Castings/Water Valve
- Water Meter
- Water Meter
- Gas Valve
- Telephone Manhole
- Electric Manhole
- Proposed Curb Cut Ramp
- Decorative Light
- Conduit
- Conduit (Conc. Encased)
- Retaining Wall



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
Maintenance Engineer	Director of Public Works
City Traffic Engineer	

DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

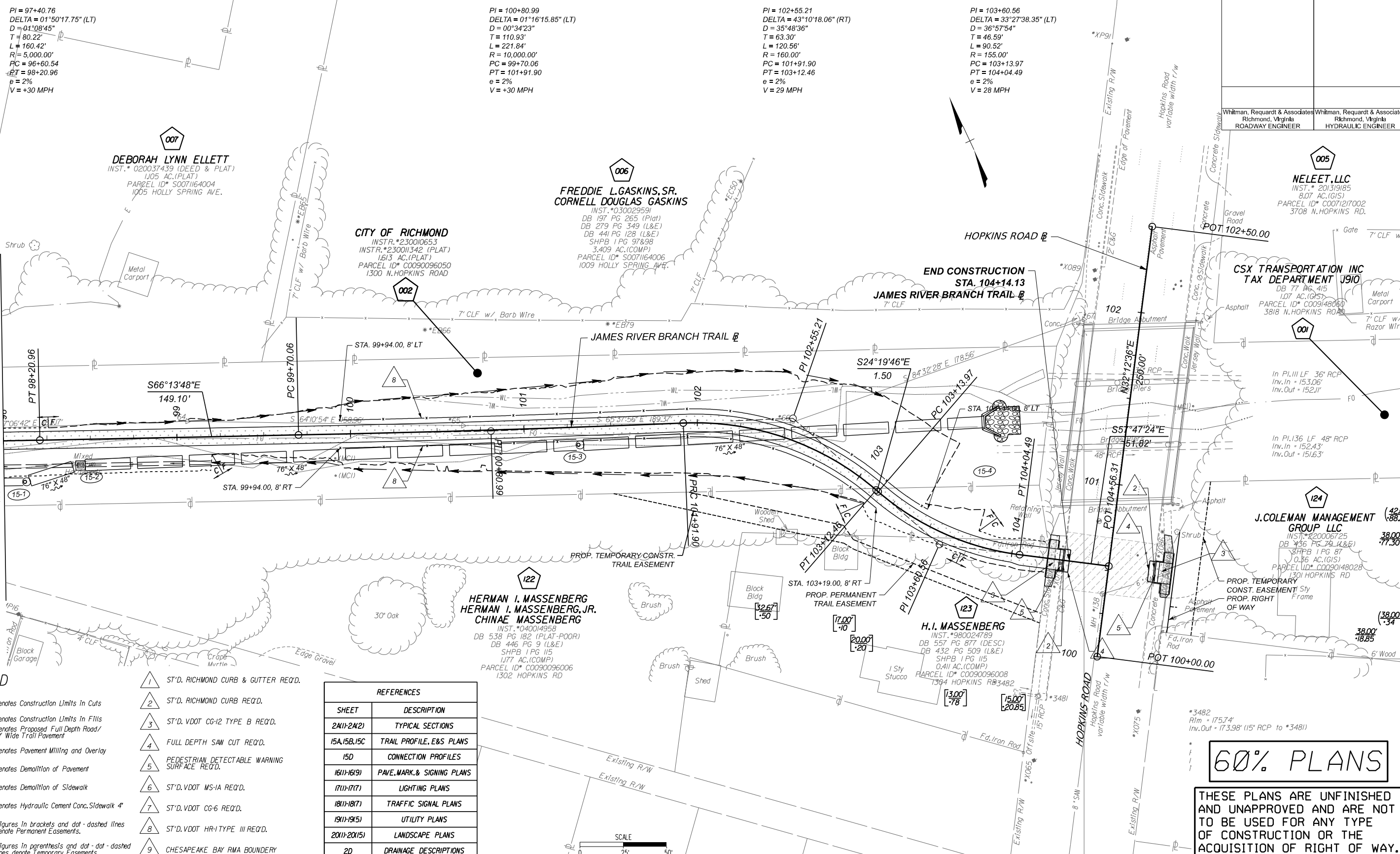
JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT

**PLAN**

DESIGN BY: ADW	REVIEWED BY:	FIELD NOTES	SCALE: 1"=25'	DATE: FEBRUARY 2024	SHEET: 14	DRAWING NO.: 0-29054
CHECKED BY: MSV						



SURVEYED BY: H&B SURVEYING & MAPPING LLC...  
 SUPERVISED BY: MSV...  
 DESIGNED BY: ADW...



Whitman, Reardon & Associates  
 Richmond, Virginia  
 ROADWAY ENGINEER

Whitman, Reardon & Associates  
 Richmond, Virginia  
 HYDRAULIC ENGINEER

**DEBORAH LYNN ELLETT**  
 INST. # 020037439 (DEED & PLAT)  
 1.05 AC. (PLAT)  
 PARCEL ID # S0071164004  
 1005 HOLLY SPRING AVE.

**FREDDIE L. GASKINS, SR.**  
**CORNELL DOUGLAS GASKINS**  
 INST. # 030029591  
 DB 197 PG 265 (PLAT)  
 DB 279 PG 349 (L&E)  
 DB 441 PG 128 (L&E)  
 SHPB 1 PG 97838  
 3.409 AC. (COMP)  
 PARCEL ID # S0071164006  
 1009 HOLLY SPRING AVE.

**NELEET, LLC**  
 INST. # 201319185  
 8.07 AC. (GIS)  
 PARCEL ID # C0071217002  
 3708 N. HOPKINS RD.

**CSX TRANSPORTATION INC**  
**TAX DEPARTMENT J910**  
 DB 77 PG 415  
 1.07 AC. (GIS)  
 PARCEL ID # C0091480160  
 3818 N. HOPKINS ROAD

**J. COLEMAN MANAGEMENT GROUP LLC**  
 INST. # 22006725  
 DB 436 PG 78 (L&E)  
 SHPB 1 PG 87  
 0.56 AC. (GIS)  
 PARCEL ID # C0090148028  
 1301 HOPKINS RD

**HERMAN I. MASSENBURG**  
**HERMAN I. MASSENBURG, JR.**  
**CHINA MASSENBURG**  
 INST. # 040014958  
 DB 538 PG 182 (PLAT-POOR)  
 DB 446 PG 9 (L&E)  
 SHPB 1 PG 115  
 1.77 AC. (COMP)  
 PARCEL ID # C0090096006  
 1302 HOPKINS RD

**H.I. MASSENBURG**  
 INST. # 980024789  
 DB 557 PG 877 (DESC)  
 DB 432 PG 509 (L&E)  
 SHPB 1 PG 115  
 0.411 AC. (COMP)  
 PARCEL ID # C0090096008  
 1394 HOPKINS RD 3482

**LEGEND**

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  - 9 CHESAPEAKE BAY RMA BOUNDARY
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 [F] Denotes Construction Limits In Fills  
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- Note: Figures in brackets and dot - dashed lines denote Permanent Easements.  
 Note: Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

REFERENCES	
SHEET	DESCRIPTION
2M(1)-2M(2)	TYPICAL SECTIONS
15A, 15B, 15C	TRAIL PROFILE, E&S PLANS
15D	CONNECTION PROFILES
16(1)-16(9)	PAVE, MARK, & SIGNING PLANS
17(1)-17(7)	LIGHTING PLANS
18(1)-18(7)	TRAFFIC SIGNAL PLANS
19(1)-19(5)	UTILITY PLANS
20(1)-20(15)	LANDSCAPE PLANS
2D	DRAINAGE DESCRIPTIONS

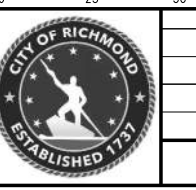


**60% PLANS**

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NOTES	REVISIONS
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2. Property owners correct as of 20	
3. Ordinance Number	
4. Adopted	
5. Accepted	

LEGEND	SYMBOL
Existing Curb & Gutter	[Symbol]
Sidewalk	[Symbol]
Basin	[Symbol]
Storm Sewer	[Symbol]
Sewer Manhole	[Symbol]
Sanitary Sewer Manhole	[Symbol]
Sanitary Sewer Manhole	[Symbol]
Gas Line	[Symbol]
Electric Line	[Symbol]
Telephone/Telegraph	[Symbol]
TV Cable	[Symbol]
Water Line	[Symbol]
Tree / Stial. Tree To Be Removed / Stump	[Symbol]
Property Line	[Symbol]



Technical	Administrative
Survey Superintendent	Capital Project Administrator
Project Engineer	Deputy Director for Transportation / Public Works
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City Traffic Engineer	

JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY PROJECT	
PLAN	
DESIGN BY: ADW	REVIEWED BY:
DRAWN BY: MSV	FIELD NOTES:
CHECKED BY:	SCALE: 1"=25'
	DATE: FEBRUARY 2024
	SHEET: 15
	DRAWING NO.: 0-29054