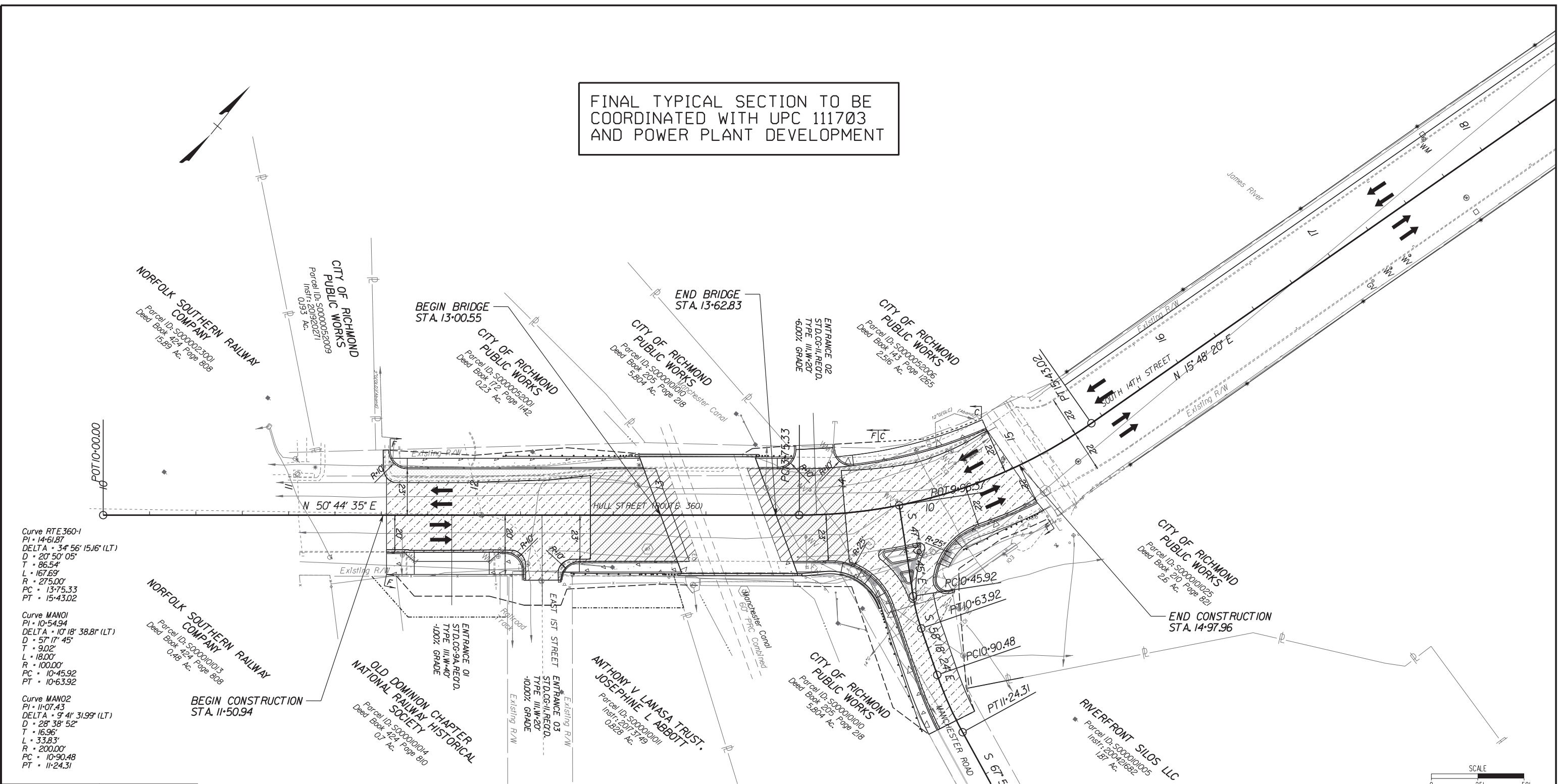


FINAL TYPICAL SECTION TO BE COORDINATED WITH UPC 111703 AND POWER PLANT DEVELOPMENT

SURVEYED BY: CITY OF RICHMOND  
SUPERVISED BY: MSV  
DESIGNED BY: GSK



Curve RTE360-1  
PI • 14+61.87  
DELTA • 34° 56' 15.16" (LT)  
D • 20' 50' 05"  
T • 86.54'  
L • 167.69'  
R • 275.00'  
PC • 13+75.33  
PT • 15+43.02

Curve MANO1  
PI • 10+54.94  
DELTA • 10° 18' 38.81" (LT)  
D • 57' 17' 45"  
T • 9.02'  
L • 18.00'  
R • 100.00'  
PC • 10+45.92  
PT • 10+63.92

Curve MANO2  
PI • 11+07.43  
DELTA • 9° 41' 31.99" (LT)  
D • 28' 38' 52"  
T • 16.96'  
L • 33.83'  
R • 200.00'  
PC • 10+90.48  
PT • 11+24.31

**LEGEND**

	DENOTES ROADWAY PAVEMENT
	DENOTES MILL/OVERLAY
	DENOTES PAVEMENT DEMOLITION
	DENOTES CONCRETE SIDEWALK
	DENOTES CONSTRUCTION LIMITS IN CUTS
	DENOTES CONSTRUCTION LIMITS IN FILLS

- |   |                                  |   |                                 |
|---|----------------------------------|---|---------------------------------|
| 1 | 8" RICHMOND ST'D CURB REQ'D      | 7 | VDOT ST'D. CG-12, TYPE A REQ'D. |
| 2 | VDOT ST'D GR-MGS2 REQ'D          | 8 | TEMPORARY CONSTRUCTION ESMT     |
| 3 | VDOT ST'D GR-MGSIA, RADIAL REQ'D |   |                                 |
| 4 | VDOT ST'D GR-FOA-5 REQ'D         |   |                                 |
| 5 | SPECIAL DESIGN GUARDRAIL REQ'D   |   |                                 |
| 6 | SAWCUT REQ'D                     |   |                                 |

30% 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.

SCALE: 0 25' 50'

REFERENCES	
SHEET	DESCRIPTION
	ALIGN. & SUR. DATA
	DRAIN. DESCRIPTIONS
	DRAINAGE PROFILES
3A	ROADWAY PROFILE
	SIGNING/MARKING

Whitman, Requardt & Associates  
Richmond, Virginia  
ROADWAY ENGINEER

Whitman, Requardt & Associates  
Richmond, Virginia  
HYDRAULIC ENGINEER

**NOTES**

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

**REFERENCES**

BL1 XX NAK, NE, SW, SE

Existing Curb & Gutter	Existing Sidewalk	Existing Curb Cut Ramp	Proposed Conc. Sidewalk



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

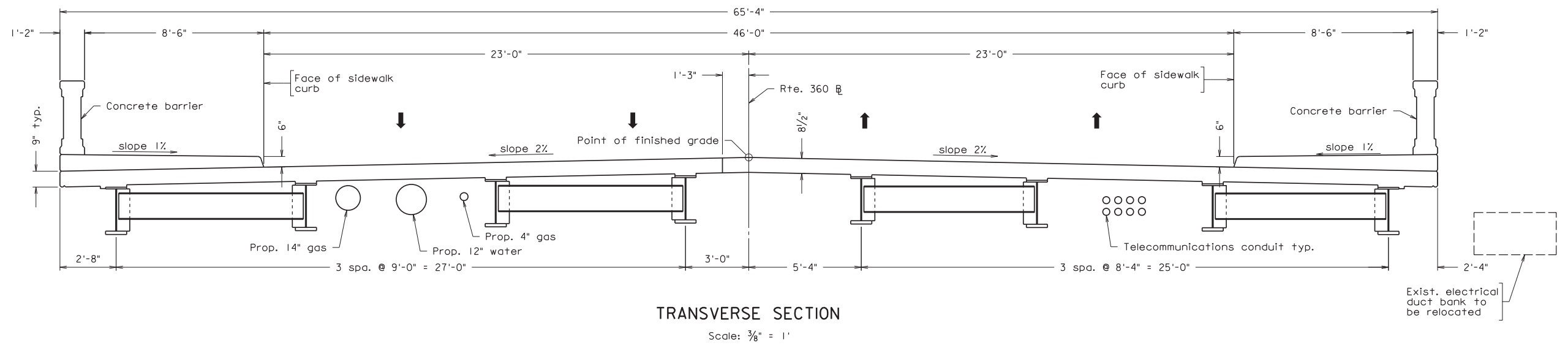
DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

RTE. 360 OVER MANCHESTER CANAL

PLAN

CIP:XXX-XXX-XXXX

DESIGN BY: GSK	REVIEWED BY:	FIELD NOTES:	SCALE: 1"=25'	DATE: MAY 2021	SHEET: 3	DRAWING NO.: X-XXXXX
DRAWN BY: AD						
CHECKED BY: MSV						



WHITMAN REQUARDT & ASSOCIATES  
RICHMOND, VA  
STRUCTURAL ENGINEER

**NOTES**

Contractor shall field verify all dimensions prior to purchasing materials or proceeding with affected work. Any discrepancies found shall be brought to the attention of the Engineer.

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION



**Technical**

Surveys Superintendent  
Project Engineer  
Maintenance Engineer  
City Traffic Engineer

**Administrative**

Capital Project Administrator  
Deputy Director for Transportation / Public Works  
Director of Public Works

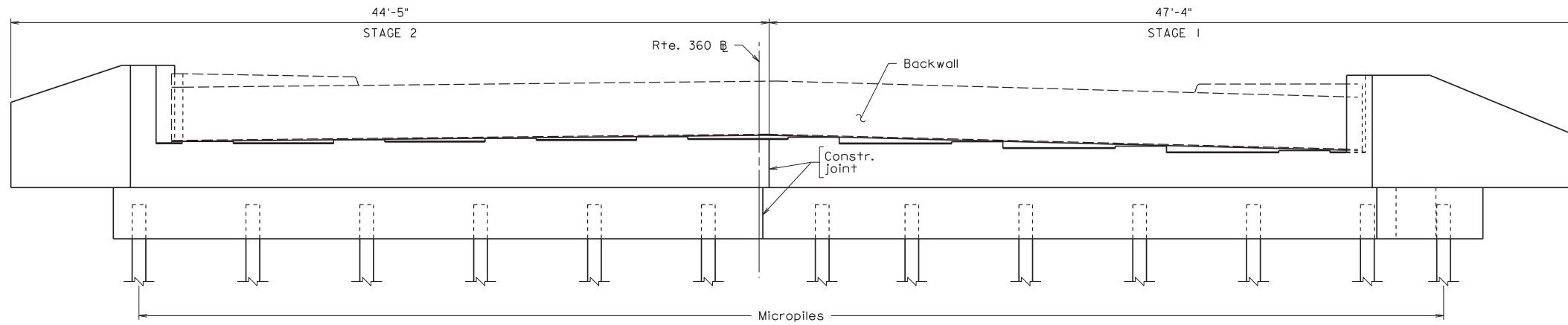
DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

RTE. 360 OVER MANCHESTER CANAL

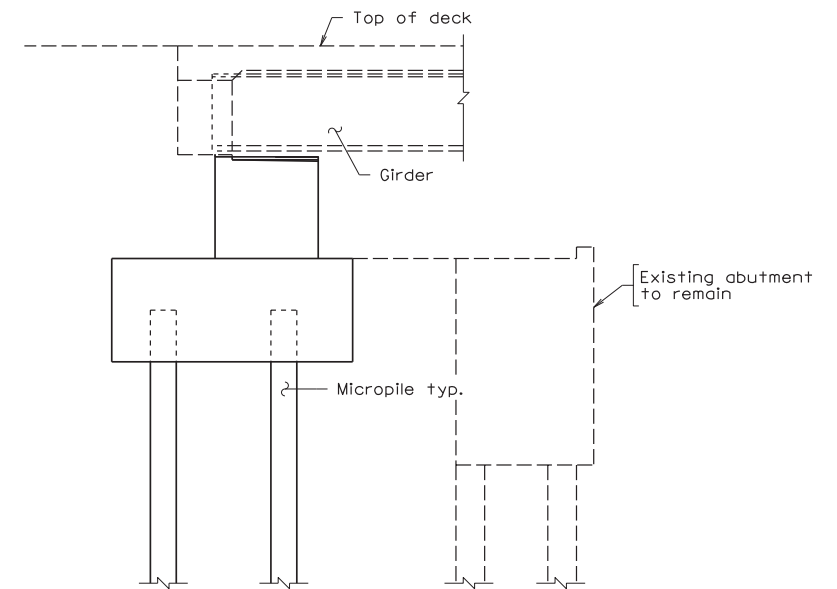
**TRANSVERSE SECTION**

REFERENCES REVISIONS

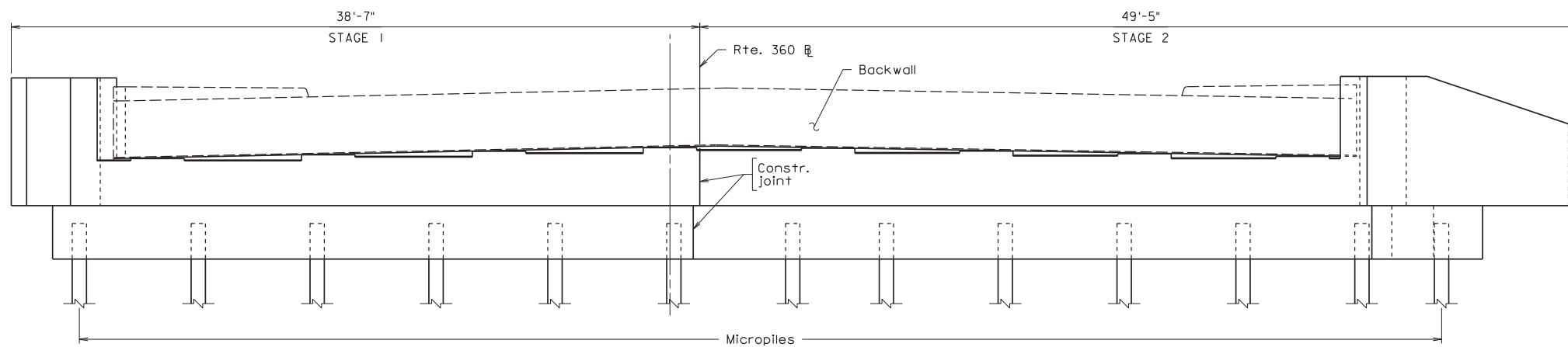
DESIGN BY: WRA	REVIEWED BY:	FIELD NOTES	SCALE: AS NOTED	DATE: MAY 2021	SHEET: S4	DRAWING NO.: X-XXXXX
DRAWN BY: WRA						
CHECKED BY: WRA						



**ABUTMENT A ELEVATION**  
Scale: 1/4" = 1'



**TYPICAL SECTION**



**ABUTMENT B ELEVATION**  
Scale: 1/4" = 1'

WHITMAN REQUARDT & ASSOCIATES  
RICHMOND, VA  
STRUCTURAL ENGINEER

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**PRELIMINARY PLANS**  
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FOR CONSTRUCTION



**Technical**

Survey Superintendent  
Project Engineer  
Maintenance Engineer  
City Traffic Engineer

**Administrative**

Capital Project Administrator  
Deputy Director for Transportation / Public Works  
Director of Public Works

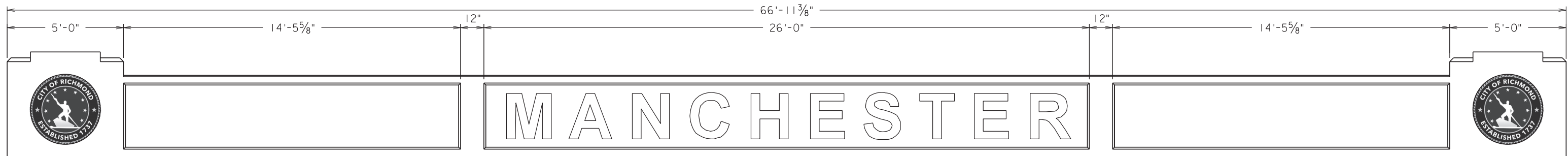
DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

RTE. 360 OVER MANCHESTER CANAL

**ABUTMENTS**

REFERENCES	REVISIONS
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DESIGN BY: WRA	REVIEWED BY:	FIELD NOTES	SCALE: AS NOTED	DATE: MAY 2021	SHEET: S5	DRAWING NO.: X-XXXXX
DRAWN BY: WRA						
CHECKED BY: WRA						



ELEVATION  
Scale: 1/2" = 1'

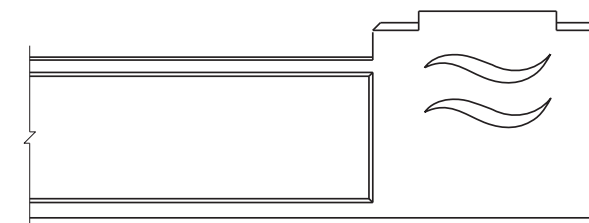
From Virtual Public Engagement (APR 2022):

End Treatment (City Seal) = 7

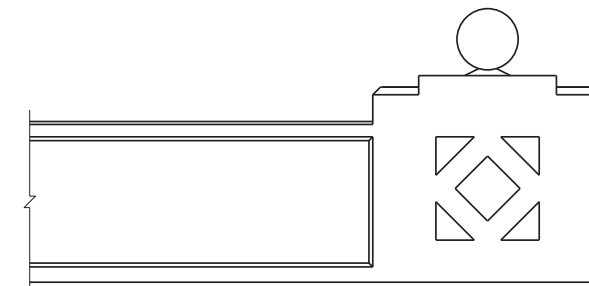
End Treatment (Alt #1) = 1

End Treatment (Alt #2) = 0

No Responses = 10



END ALTERNATIVE #1  
Scale: 1/2" = 1'



END ALTERNATIVE #2  
Scale: 1/2" = 1'

WHITMAN REQUARDT & ASSOCIATES  
RICHMOND, VA  
STRUCTURAL ENGINEER

NOTES

Contractor shall field verify all dimensions prior to purchasing materials or proceeding with affected work. Any discrepancies found shall be brought to the attention of the Engineer.

PRELIMINARY PLANS  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION



Technical

Surveys Superintendent  
Project Engineer  
Maintenance Engineer  
City Traffic Engineer

Administrative

Capital Project Administrator  
Deputy Director for Transportation / Public Works  
Director of Public Works

DEPARTMENT OF PUBLIC WORKS  
RICHMOND, VIRGINIA

RTE. 360 OVER MANCHESTER CANAL  
CONCRETE BARRIER

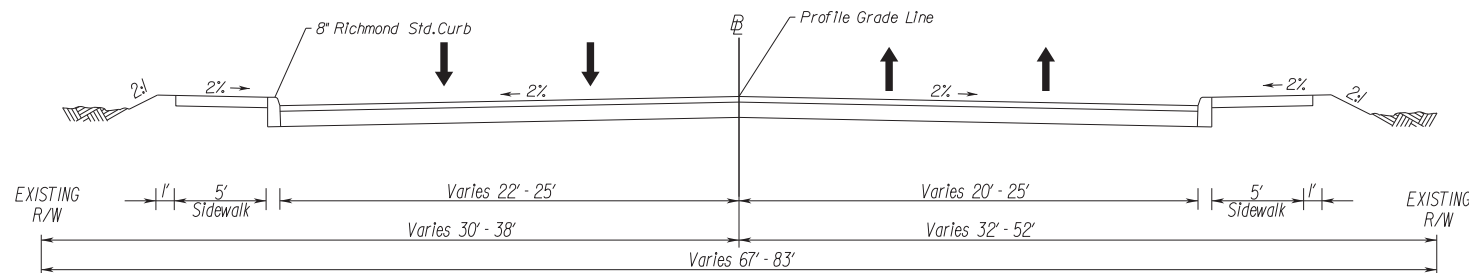
REFERENCES REVISIONS

DESIGN BY: WRA  
DRAWN BY: WRA  
CHECKED BY: WRA  
REVIEWED BY: FIELD NOTES  
SCALE: AS NOTED  
DATE: MAY 2021  
SHEET: S6  
DRAWING NO.: X-XXXXX

# TYPICAL SECTIONS

Whitman, Reardon & Associates  
Richmond, Virginia  
ROADWAY ENGINEER

## HULL STREET (ROUTE 360)



STATION 11+50.94 TO STATION 13+00.55  
STATION 13+62.83 TO STATION 14+97.96

FINAL TYPICAL SECTION TO BE  
COORDINATED WITH UPC 111703  
AND POWER PLANT DEVELOPMENT

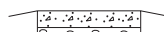
## PRIVATE AND COMMERCIAL ENTRANCES

TYPE I  
Crusher Run Aggr.



6" Crusher Run  
Aggr. 25 or 26

TYPE II  
Concrete



Concrete Entrance Pavement  
7" HES  
4" Aggr. Base Mat'l. Ty. I  
No. 21B

TYPE III  
Asphalt



Asphalt Conc. Type  
SM-9.5A @ 220 Lbs. per S. Y.  
4" Aggr. Base Mat'l. Ty. I  
No. 21B

NOT TO SCALE

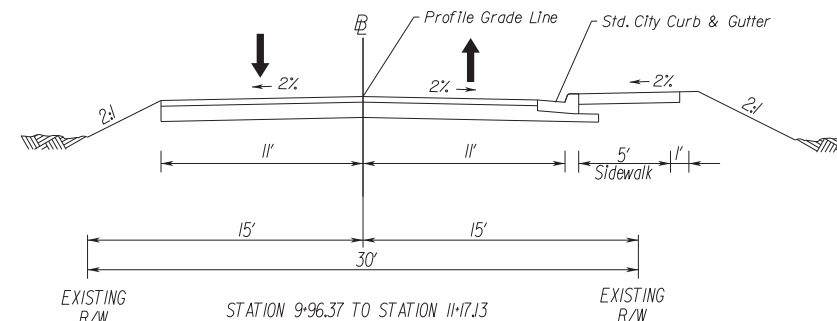
TYPE IV  
Asphalt Commercial



Asphalt Conc. Type  
SM-9.5A @ 165 Lbs. per S. Y.  
4" Asphalt Conc. Base Course  
BM-25.0A  
6" Aggr. Base Mat'l. Ty. I  
No. 21B

The type of entrance (I, II, III, IV) to be constructed  
will be determined by the existing condition at the  
time of construction.

## MANCHESTER ROAD



30% 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.

SURVEYED BY: CITY OF RICHMOND..  
SUPERVISED BY: MSV  
DESIGNED BY: GGK

<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 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 Conc. Sidewalk</b> Brick Sidewalk Castings/Water Valve Water Meter Gas Drop Gas Valve Telephone Manhole Electric Manhole Proposed Curb Cut Ramp Decorative Light Conduit Conduit (Conc. Encased) Retaining Wall		<b>Technical</b> Surveys Superintendent Project Engineer Maintenance Engineer City Traffic Engineer		<b>Administrative</b> Capital Project Administrator Deputy Director for Transportation / Public Works Director of Public Works		RTE. 360 OVER MANCHESTER CANAL <b>TYPICAL SECTIONS</b> CIP:XXX-XXX-XXXX		
<b>REFERENCES</b> BL1 XX NKG NE, SW, SE	<b>REVISIONS</b>			DEPARTMENT OF PUBLIC WORKS RICHMOND, VIRGINIA		DESIGN BY: CGK DRAWN BY: AD CHECKED BY: MSV	REVIEWED BY	FIELD NOTES	SCALE 1"=25'	DATE MAY 2021	SHEET 2A	DRAWING NO. X-XXXX



Figure 1 - View from Floodwall

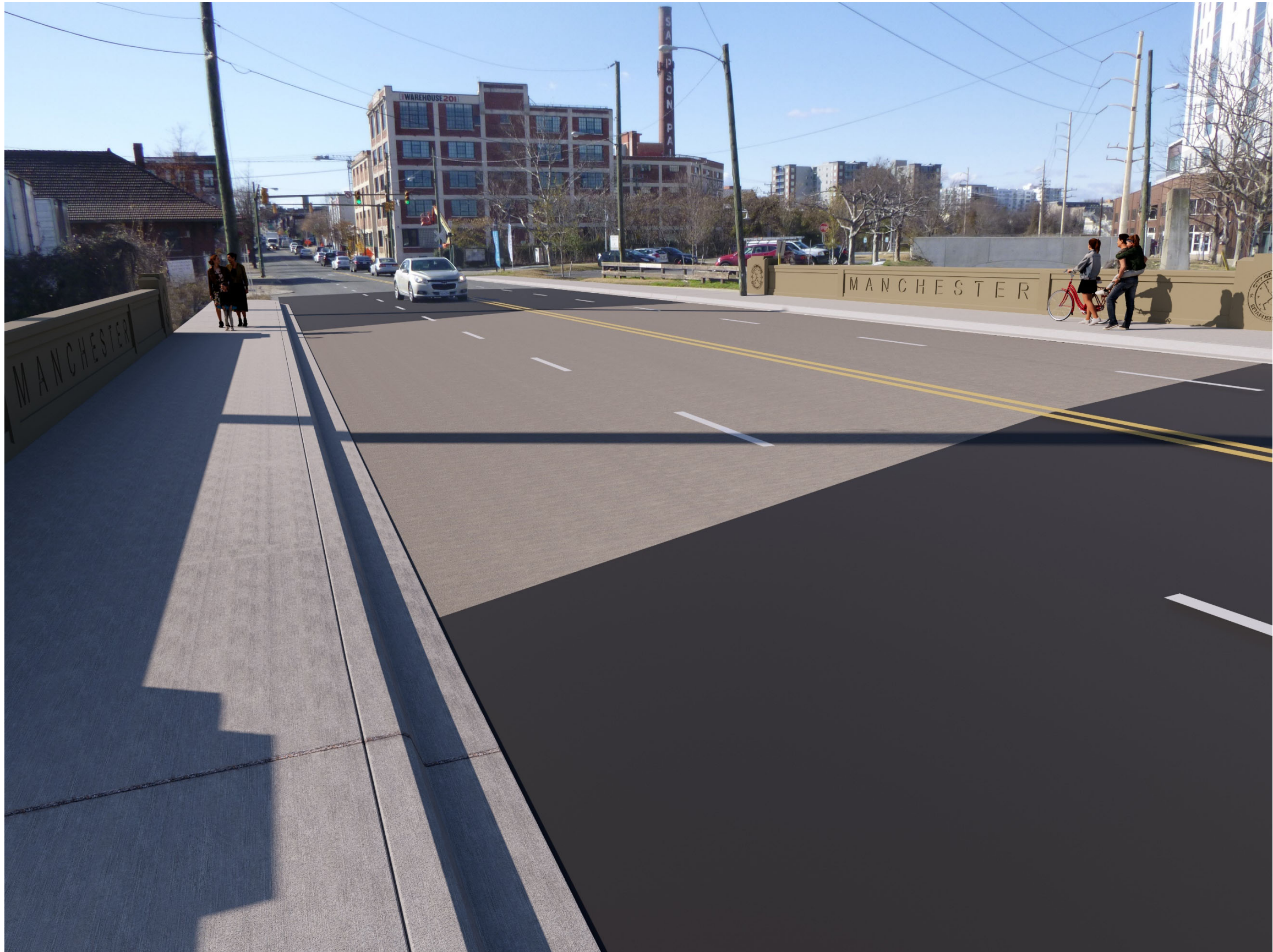


Figure 2 - View from Street level