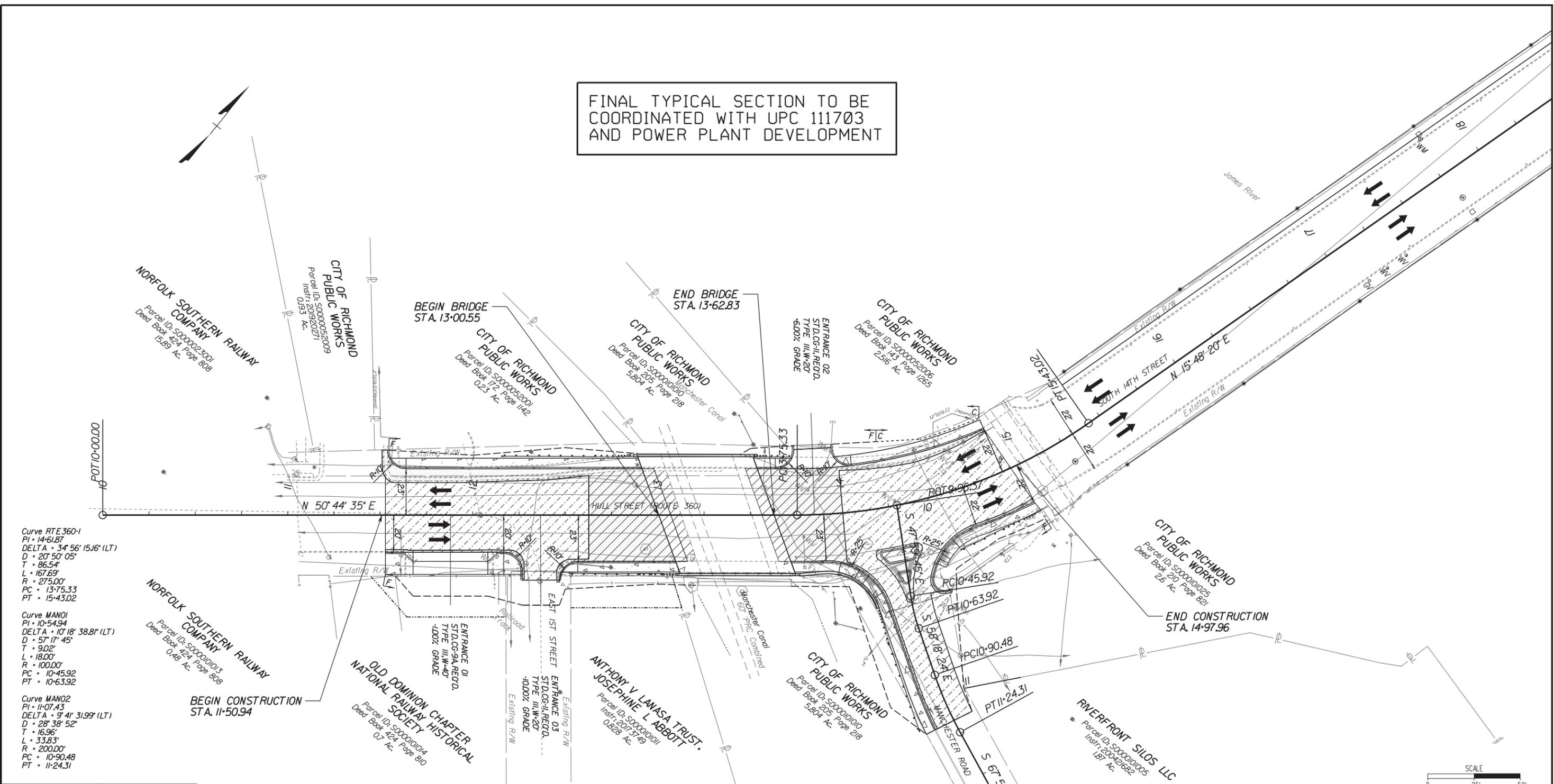


FINAL TYPICAL SECTION TO BE COORDINATED WITH UPC 111703 AND POWER PLANT DEVELOPMENT

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' 38.8" (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.
- Property owners correct as of . 20
- Ordinance Number
- Adopted
- Accepted

REFERENCES

BL1 XX NAK, NE, SW, SE

Existing Curb	Existing Sidewalk	Existing Curb Cut Ramp	Proposed Conc. Sidewalk
• Curb & Gutter	• Sidewalk	• Coping	• Brick Sidewalk
• Basin	• Storm Sewer	• Alley Crossing/Driveway	• Castings/Water Valve
• Sewer Manhole	• Sanitary Sewer	• Fire Hydrant	• Water Meter
• Sanitary Sewer Manhole	• Gas Line	• Edge of Pavement	• Gas Trip
• Gas Line	• Electric Line	• Cornerstone	• Gas Valve
• Electric Line	• Telephone/Telegraph	• Property Pin	• Telephone Manhole
• Telephone/Telegraph	• TV Cable	• Utility Pole	• Electric Manhole
• TV Cable	• Water Line	• Proposed Sewer	• Proposed Curb Cut Ramp
• Water Line	• Tree / Exist. Tree To Be Removed / Stump	• Manhole	• Decorative Light
• Tree / Exist. Tree To Be Removed / Stump	• Property Line	• Basin	• Conduit
• Property Line		• Curb & Gutter	• Conduit (Conc. Encased)
		• Asphalt	• Retaining Wall



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

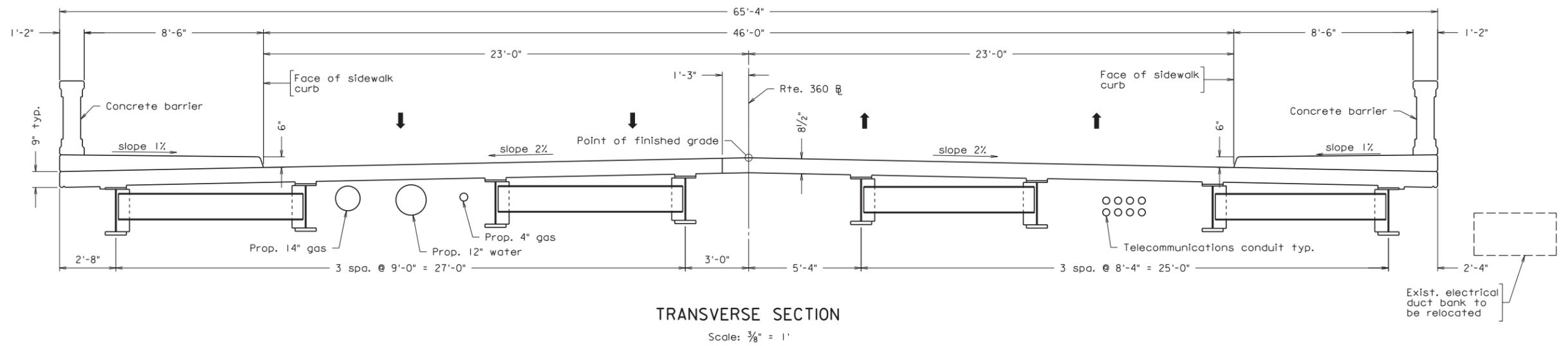
RTE. 360 OVER MANCHESTER CANAL

PLAN

CIP:XXX-XXX-XXXX

DESIGN BY: GSK
 DRAWN BY: AD
 CHECKED BY: MSV

REVIEWED BY: FIELD NOTES: SCALE: 1"=25' DATE: MAY 2021 SHEET: 3 DRAWING NO: X-XXXXX



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

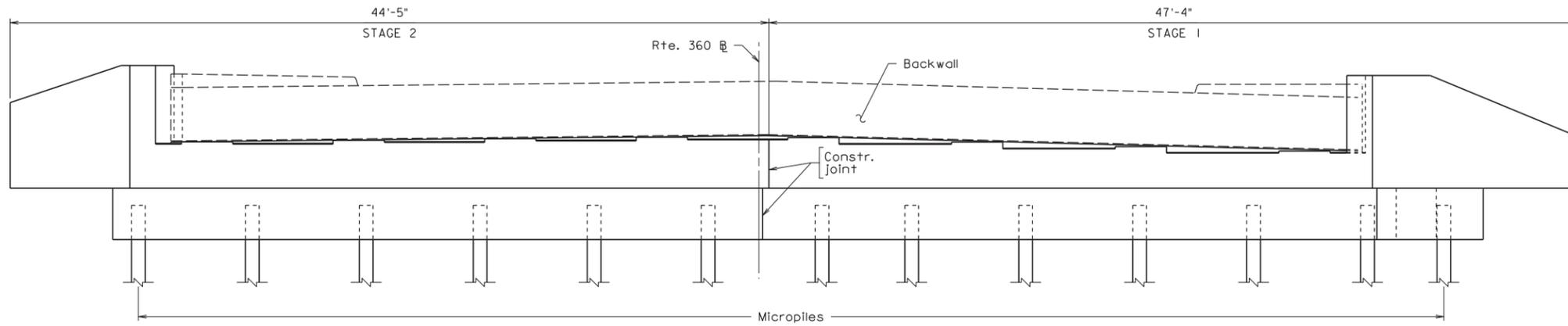
DEPARTMENT OF PUBLIC WORKS
RICHMOND, VIRGINIA

RTE. 360 OVER MANCHESTER CANAL

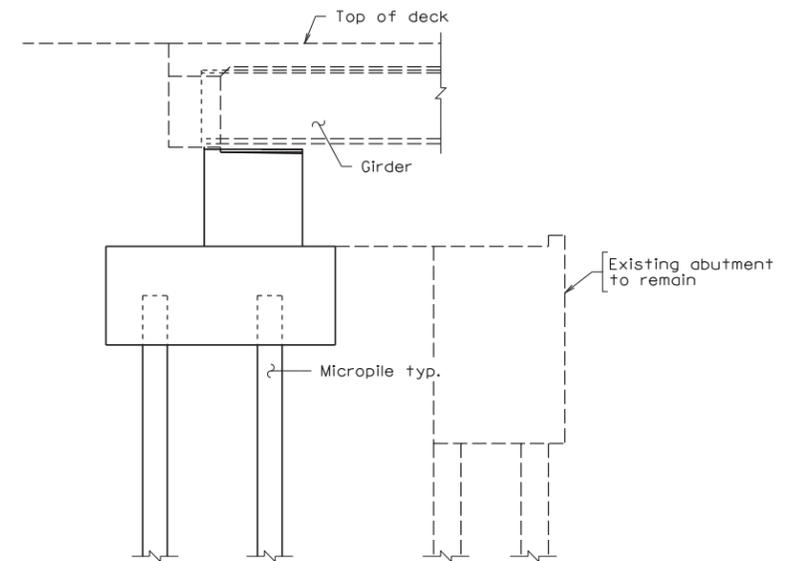
TRANSVERSE SECTION

REFERENCES REVISIONS

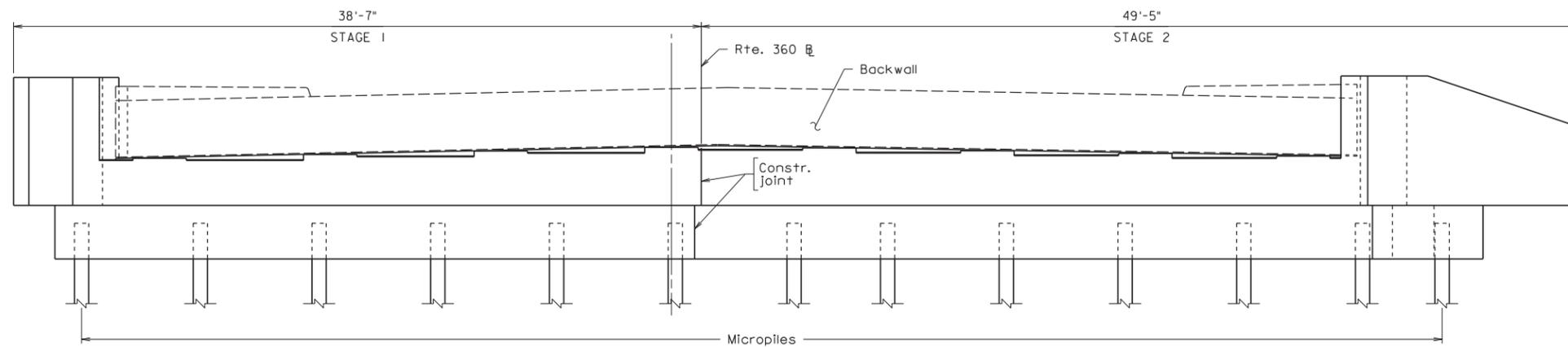
DESIGN BY: WRA	REVIEWED BY:	FIELD NOTES	SCALE: AS NOTED	DATE: MAY 2021	SHEET: S4	DRAWING NO.: X-XXXXX
DRAWN BY: WRA						
CHECKED BY: WRA						



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
THESE PLANS NOT TO BE USED
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

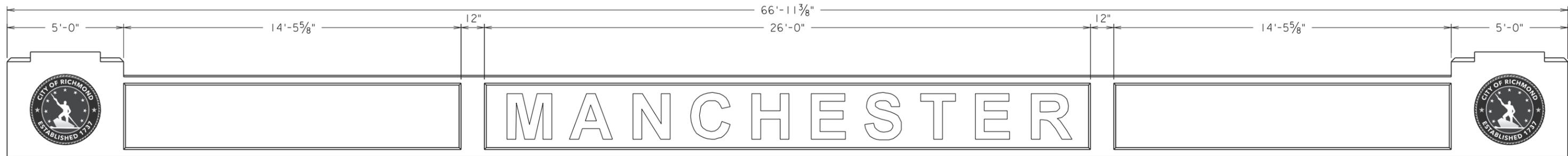
DEPARTMENT OF PUBLIC WORKS
RICHMOND, VIRGINIA

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'

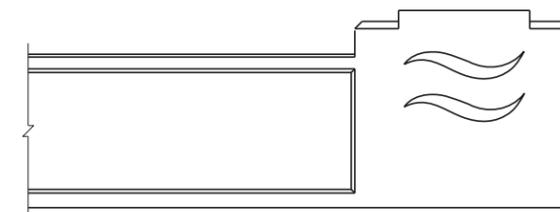
From Virtual Public Engagement (APR 2022):

End Treatment (City Seal) = 7

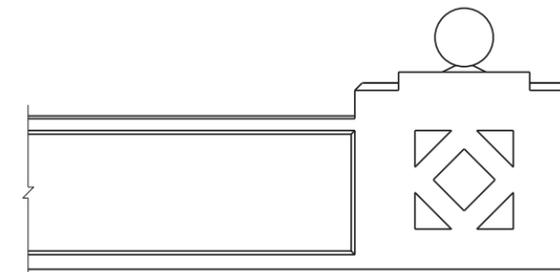
End Treatment (Alt #1) = 1

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

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PRELIMINARY PLANS
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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

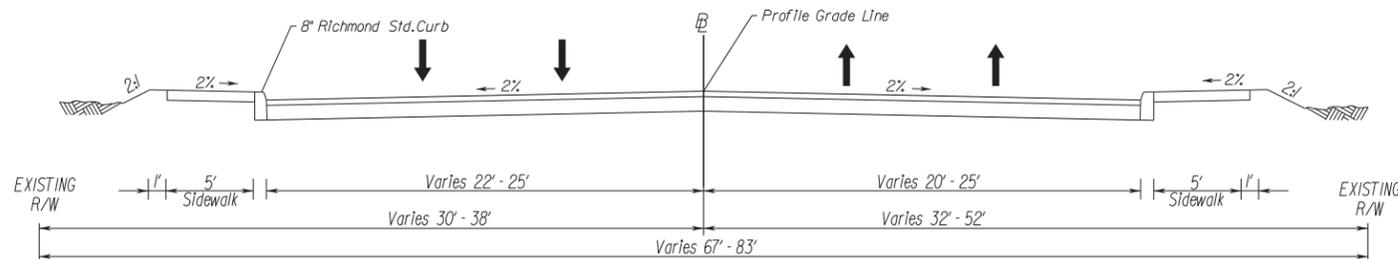
REFERENCES REVISIONS

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

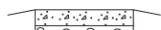
PRIVATE AND COMMERCIAL ENTRANCES

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

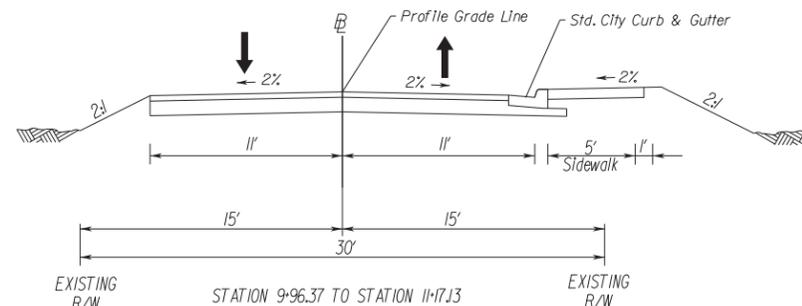
TYPE IV
Asphalt Commercial



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



STATION 9+96.37 TO STATION 11+17.13

30% PLANS

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AND UNAPPROVED AND ARE NOT
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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		LEGEND 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		Proposed Conc. Sidewalk 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		Technical Surveys Superintendent Project Engineer Maintenance Engineer City Traffic Engineer		Administrative Capital Project Administrator Deputy Director for Transportation / Public Works Director of Public Works		RTE. 360 OVER MANCHESTER CANAL TYPICAL SECTIONS CIP:XXX-XXX-XXXX	
REFERENCES BL1 XX NAK NE, SW, SE		REVISIONS		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	

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



Figure 1 - View from Floodwall

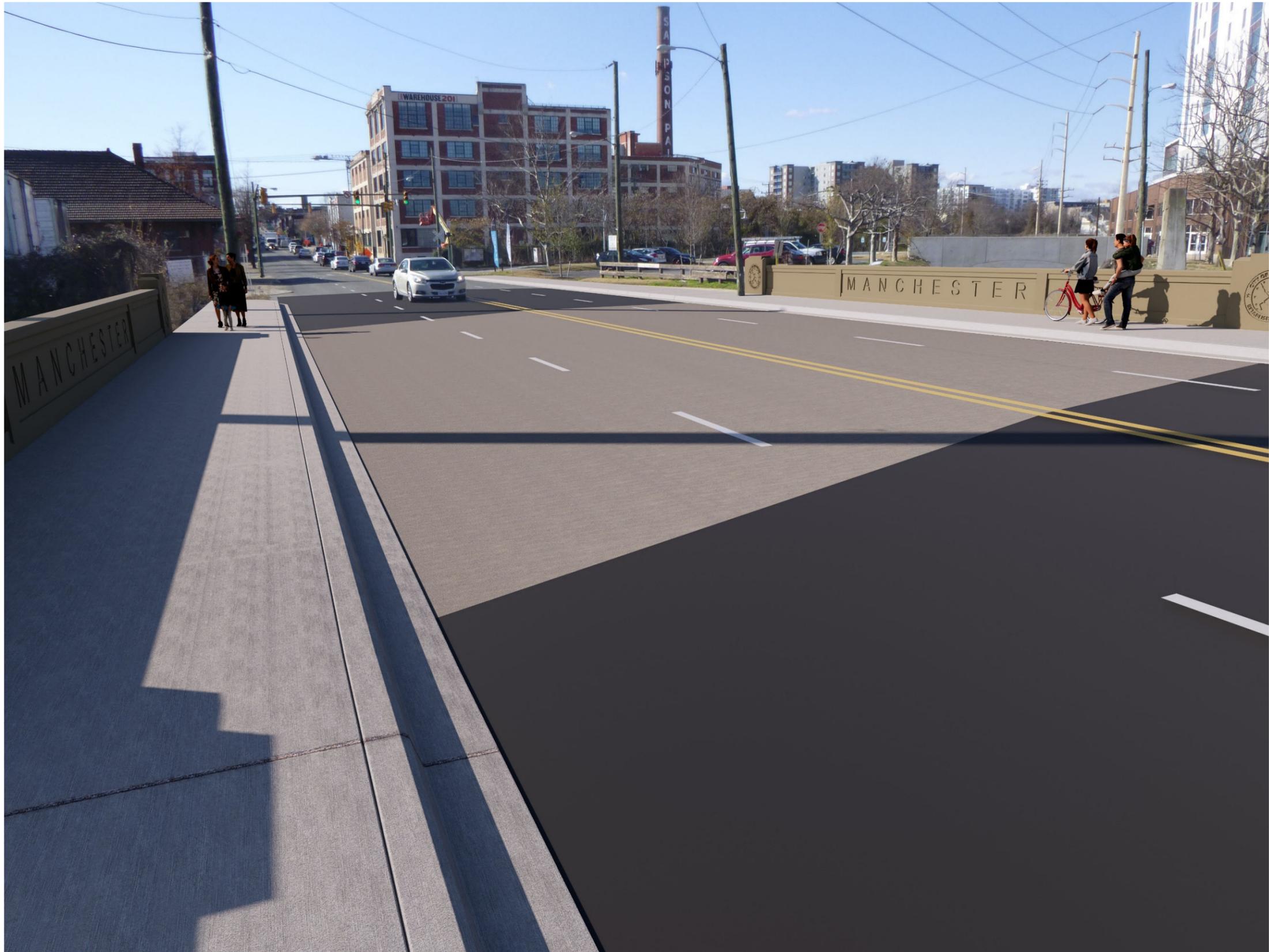


Figure 2 - View from Street level