CITY OF RICHMOND, VIRGINIA VDOT PROJECT NO: 0360-127-035

DEPARTMENT OF PUBLIC WORKS ENGINEERING & TECHNICAL SERVICES

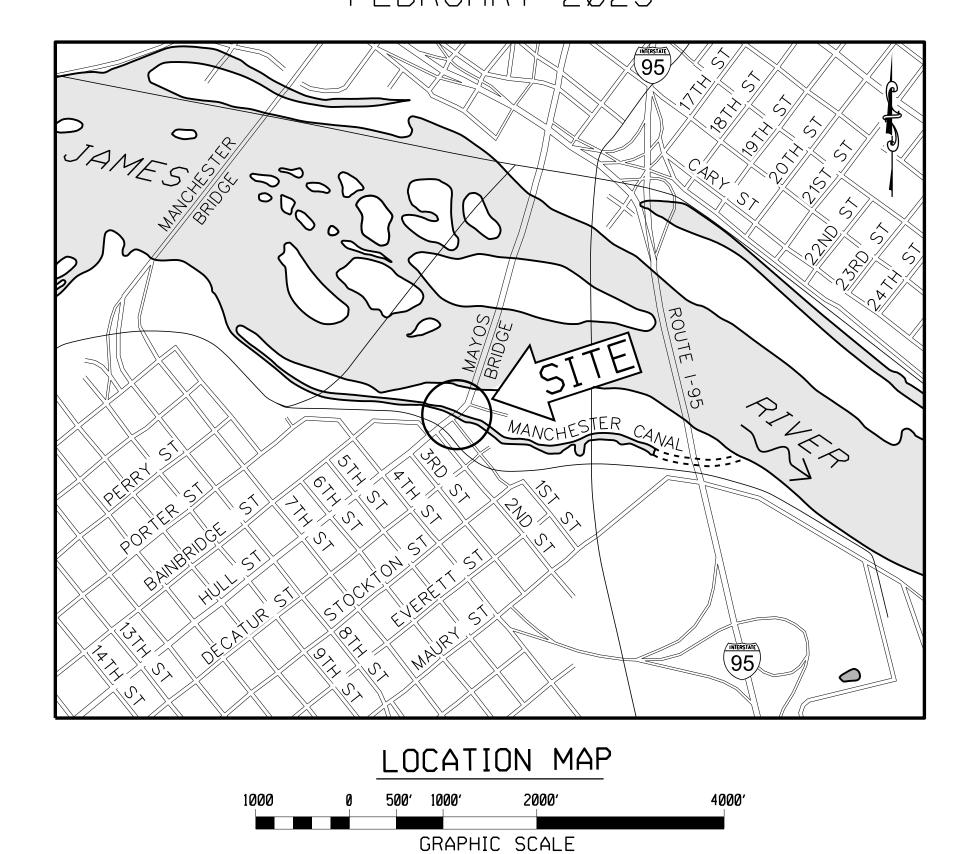
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PROPOSED BRIDGE REPLACEMENT RTE. 360 OVER MANCHESTER CANAL UPC NO. 113290

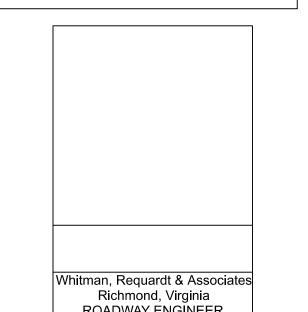
FEBRUARY 2025



1" = 1000'

PUBLIC HEARING PLANS

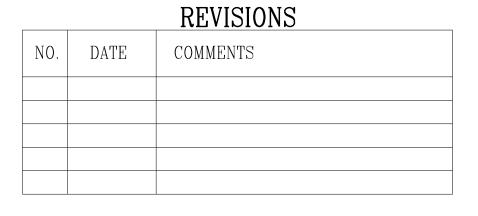
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



DATE SURVEYS SUPERINTINDENT DATE PROJECT MANAGER DATE MAINTENANCE ENGINEER DATE CITY TRAFFIC ENGINEER DATE CAPITAL PROJECTS ADMINISTRATOR DATE CITY ENGINEER

CITY OF RICHMOND

APPROVED FOR CONSTRUCTION



DATE DIRECTOR OF PUBLIC WORKS

CITY of RICHMOND

DEPARTMENT OF PUBLIC WORKS RICHMOND, VIRGINIA **DRAWING NO:** 0-28956



(804) 272-8700 FAX: (804) 272-8897 EMAIL: WRALLP.COM

| Curve No. / POT | Location | Delta | R | т | | Tangent | Bearing | PC | Coord | linates | PI | Coord | dinates | PT | Coord | linates | V | SE |
|-----------------|----------|-----------|--------|-------|--------|-------------|-------------|----------|--------------|---------------|----------|--------------|---------------|----------|--------------|---------------|-------|---------|
| curve No. / POT | Location | Deita | N. | • | L | Back | Ahead | Station | Northing | Easting | Station | Northing | Easting | Station | Northing | Easting | (mph) | (ft/ft) |
| POB | | | | | | | N50°44'35"E | | | | 10+00.00 | 3716776.8466 | 11791384.7859 | | | | | |
| Hull - 1 | | 34°56'15" | 275.00 | 86.54 | 167.69 | N50°44'35"E | N15°48'20"E | 13+75.33 | 3717014.3554 | 11791675.4113 | 14+61.87 | 3717069.1192 | 11791742.4226 | 15+43.02 | 3717152.3896 | 11791765.9946 | 35 | NC |
| POE | | | | | | N15°48'20"E | | | | | 32+21.90 | 3718767.7910 | 11792223.2780 | | | | | |
| РОВ | | | | | | | S47°59'45"E | | | | 9+96.37 | 3717052.5490 | 11791713.7352 | | | | | |
| MAN - 1 | | 10°18'39" | 100.00 | 9.02 | 18.00 | S47°59'45"E | S58°18'24"E | 10+45.92 | 3717019.3913 | 11791750.5552 | 10+54.94 | 3717013.3538 | 11791757.2595 | 10+63.92 | 3717008.6137 | 11791764.9363 | 25 | NC |
| MAN - 2 | | 09°41'32" | 200.00 | 16.96 | 33.83 | S58°18'24"E | S67°59'56"E | 10+90.48 | 3716994.6585 | 11791787.5376 | 11+07.43 | 3716985.7500 | 11791801.9655 | 11+24.31 | 3716979.3976 | 11791817.6872 | | |
| POE | | | | | | S67°59'56"E | | | | | 11+96.55 | 3716952.3343 | 11791884.6675 | | | | | |
| РОВ | | | | | | | S39°32'27"E | | | | 10+00.00 | 3716926.5433 | 11791567.9609 | | | | 25 | NC |
| POE | | | | | | S39°32'27"E | | | | | 10+48.57 | 3716889.0892 | 11791598.8806 | | | | | |
| | | | | | | | | | | | | | | | | | | <u></u> |

PH PLANS

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Existing Curb
Curb & Gutter
Sidewalk
Basin
Storm Sewer
Sewer Manhole NOTES -:LEGEND:-Existing Curb Cut Ramp Technical Administrative Proposed Conc. Sidewalk
Brick Sidewalk RTE. 360 OVER MANCHESTER CANAL ng Curb Cut kamp
Coping
Alley Crossing/Driveway
Fire Hydrant
Edge of Pavement
Fence
Cornerstone
Property Pin
Utility Pole
Proposed Sewer
Manhole
Basin
Curb & Gutter
Asphalt . Lot dimensions in parentheses are from deed. Castings:Water Valve
Water Meter
Gas Drip
Gas Valve
Telephone Manhole
Electric Manhole
Froposed Curb Cut Ramp Surveys Superintender 2. Property owners correct as of Capital Project Administrator

Deputy Director for

Transportation / Public Works GEOMETRIC DATA Sewer Manhole
Sanitary Sewer Gravity
Sanitary Sewer Gravity

Sanitary Sewer Gravity

Gas Line
Electric Line
Telephone/Telegraph
TV Cable
Water Line
Tree / Exist. Tree To Be Removed / Stump

Property Line Project Engineer 3. Ordinance Number Maintenance Engineer 4. Adopted 5. Accepted City Traffic Engineer Director of Public Works DEPARTMENT OF PUBLIC WORKS RICHMOND, VIRGINIA REFERENCES BL: XX NW, NE, SW, SE DESIGN BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX SCALE NONE FEB 2025 0 - 28956

BL: XX NW, NE, SW, SE

DRAWN BY: CHECKED BY:

RICHMOND, VIRGINIA

FEB 2025

1"=25'

0 - 28956

Tree / Exist. Tree To Be Removed / Stump 🐯

BL: XX NW, NE, SW, SE

DRAWN BY:

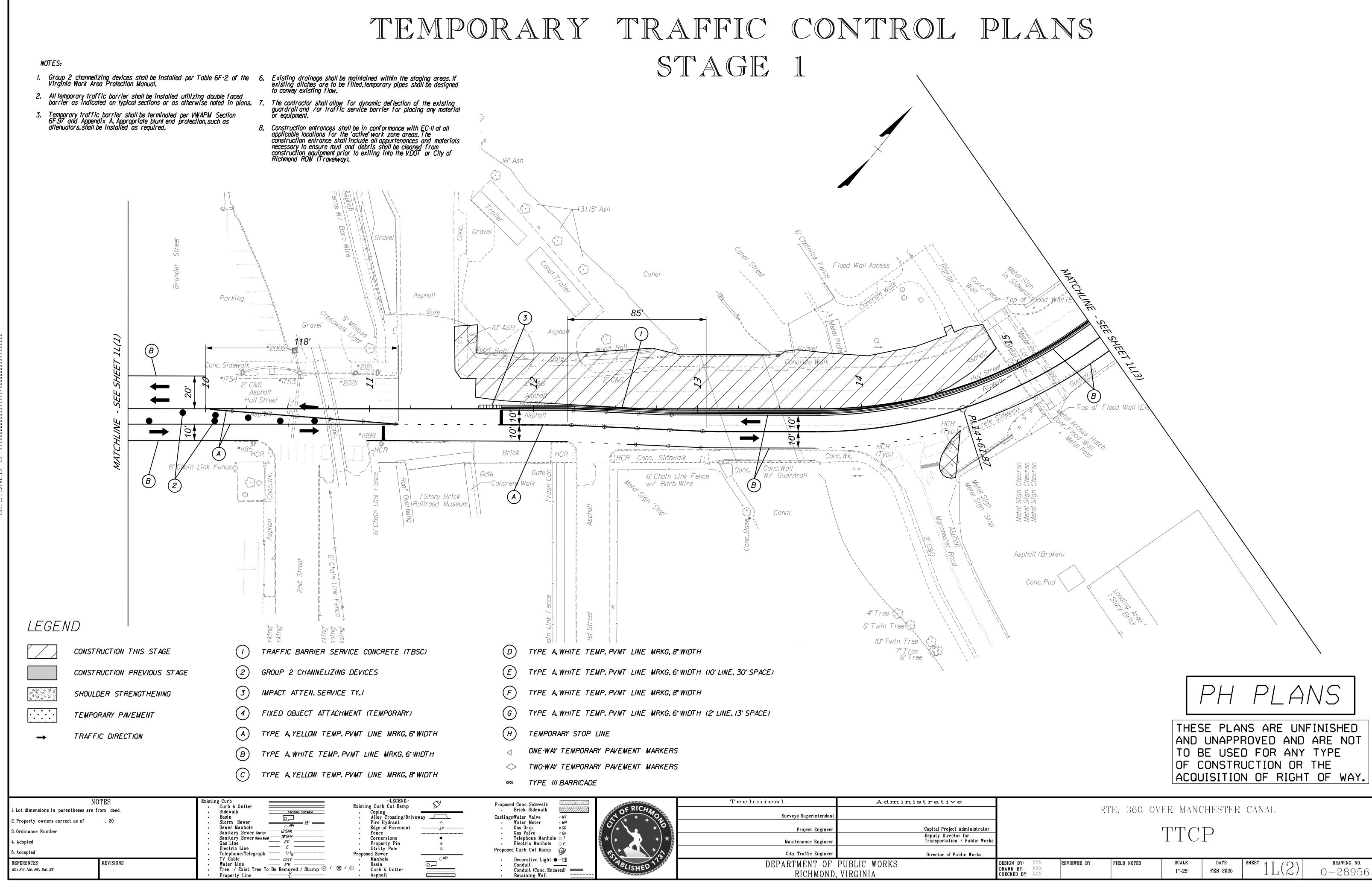
CHECKED BY:

RICHMOND, VIRGINIA

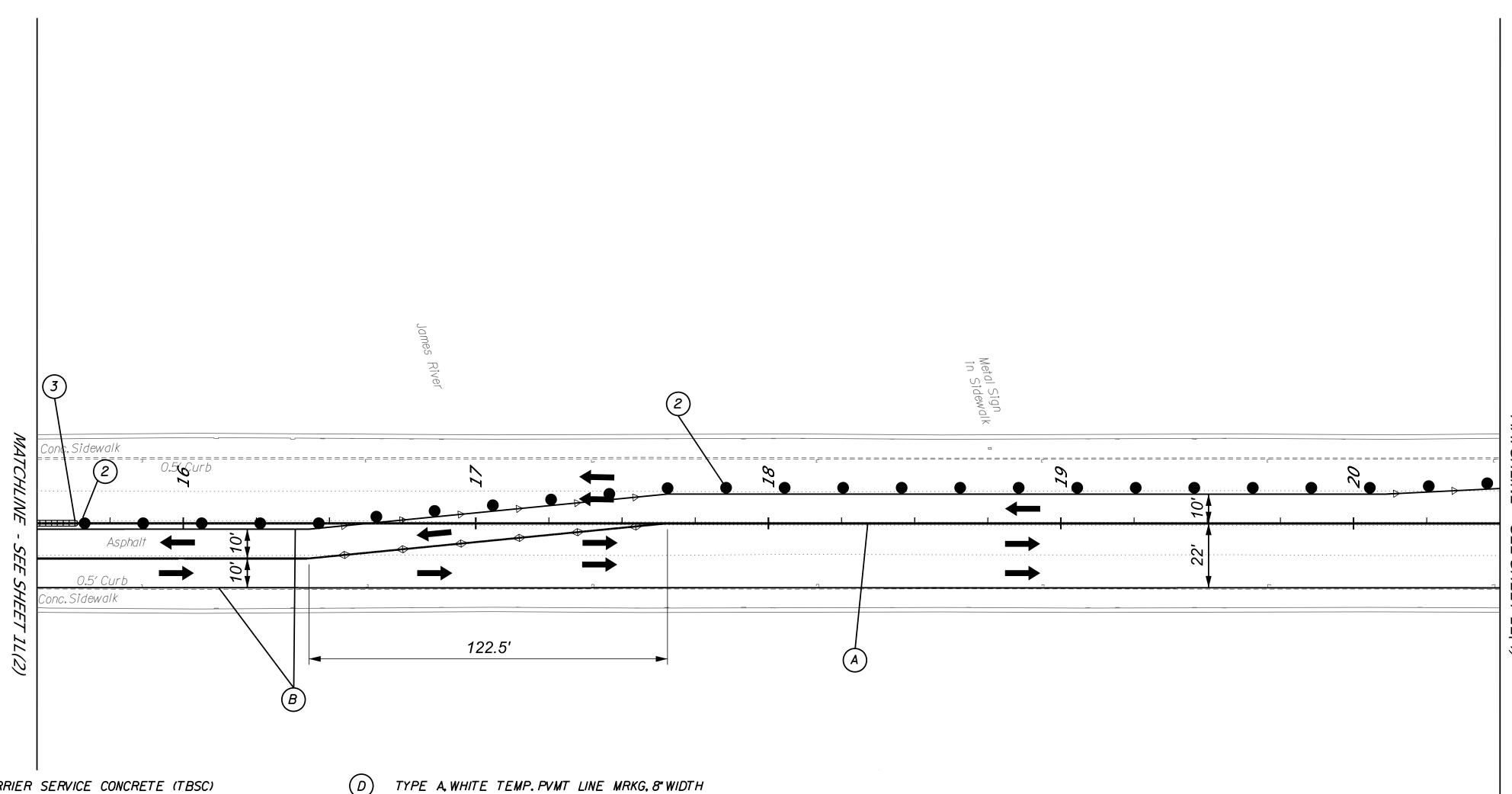
0 - 28956

1"=25'

FEB 2025



- All temporary traffic barrier shall be installed utilizing double faced barrier as indicated on typical sections or as otherwise noted in plans.
- Temporary traffic barrier shall be terminated per VWAPM Section 6F.97 and Appendix A. Appropriate blunt end protection, such as attenuators, shall be installed as required.
- Group 2 channelizing devices shall be installed per Table 6F-2 of the 6. Existing drainage shall be maintained within the staging areas. If Virginia Work Area Protection Manual. existing ditches are to be filled, temporary pipes shall be designed
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LEGEND

CONSTRUCTION THIS STAGE

CONSTRUCTION PREVIOUS STAGE

SHOULDER STRENGTHENING

TEMPORARY PAVEMENT

TRAFFIC DIRECTION

TRAFFIC BARRIER SERVICE CONCRETE (TBSC)

GROUP 2 CHANNELIZING DEVICES

IMPACT ATTEN. SERVICE TY.I

FIXED OBJECT ATTACHMENT (TEMPORARY)

TYPE A, YELLOW TEMP. PVMT LINE MRKG, 6" WIDTH

TYPE A, YELLOW TEMP. PVMT LINE MRKG, 8" WIDTH

TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH

TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (IO' LINE, 30' SPACE)

TYPE A. WHITE TEMP. PVMT LINE MRKG, 8" WIDTH

TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (2' LINE, 13' SPACE)

TEMPORARY STOP LINE

ONE-WAY TEMPORARY PAVEMENT MARKERS

TWO-WAY TEMPORARY PAVEMENT MARKERS

TYPE III BARRICADE

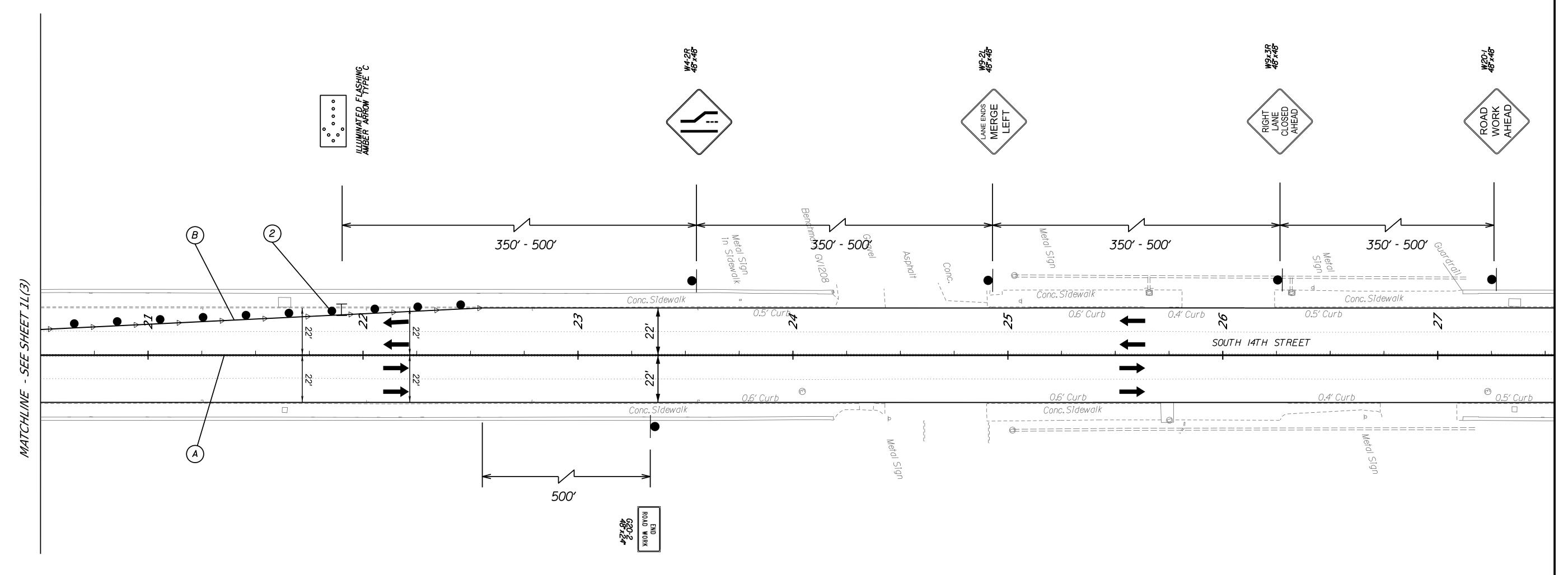
PH PLANS

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| NOTES | Existing Curb -: LEGEND:- | Proposed Conc. Sidewalk | 100000000 | Technical | Administrative | |
|---|---|---|----------------------------|------------------------------|--|--|
| 1. Lot dimensions in parentheses are from deed. | Curb & Gutter Existing Curb Cut Ramp Sidewalk EXISTING SIDEWALK Basin Alley Crossing/Drivewa | Brick Sidewalk | OF RICHMO | Surveys Superintendent | | RTE. 360 OVER MANCHESTER CANAL |
| 2. Property owners correct as of , 20 3. Ordinance Number | Storm Sewer = 15' = Fire Hydrant Sewer Manhole | | SE * * * OB | Project Engineer | Capital Project Administrator | |
| 4. Adopted | Sanitary Sewer Gravity) Sanitary Sewer Gravity Orse Name Cornerstone Gas Line Property Pin | | ★ (*) * * | Maintenance Engineer | Deputy Director for Transportation / Public Works | 1 |
| 5. Accepted | Electric Line Telephone/Telegraph E I/Ig Proposed Sewer | Proposed Curb Cut Ramp | 57 | City Traffic Engineer | Director of Public Works | |
| REFERENCES BL: XX NW, NE, SW, SE REVISIONS | TV Cable —— CATV ———— . Manhole . Water Line —— 6W ——— . Basin . Tree / Exist. Tree To Be Removed / Stump & / & / O . Curb & Gutter . Property Line ——— . Asphalt | Decorative Light Conduit Conduit (Conc. Encased) Retaining Wall | PRISHED | DEPARTMENT OF I RICHMOND, | | DESIGN BY: XXX DRAWN BY: XXX CHECKED BY: XXX C |



- I. Group 2 channelizing devices shall be installed per Table 6F-2 of the 6. Virginia Work Area Protection Manual.
- 2. All temporary traffic barrier shall be installed utilizing double faced barrier as indicated on typical sections or as otherwise noted in plans. 7.
- Temporary traffic barrier shall be terminated per VWAPM Section 6F.97 and Appendix A. Appropriate blunt end protection, such as attenuators, shall be installed as required.
- Existing drainage shall be maintained within the staging areas. If existing ditches are to be filled, temporary pipes shall be designed to convey existing flow.
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LEGEND

CONSTRUCTION THIS STAGE

CONSTRUCTION PREVIOUS STAGE

SHOULDER STRENGTHENING

TEMPORARY PAVEMENT

TRAFFIC DIRECTION

- TRAFFIC BARRIER SERVICE CONCRETE (TBSC)
- GROUP 2 CHANNELIZING DEVICES
- IMPACT ATTEN. SERVICE TY.I
- FIXED OBJECT ATTACHMENT (TEMPORARY)
- TYPE A. YELLOW TEMP. PVMT LINE MRKG. 6" WIDTH
- TYPE A. WHITE TEMP. PVMT LINE MRKG. 6" WIDTH
- TYPE A, YELLOW TEMP. PVMT LINE MRKG, 8" WIDTH

-:LEGEND:-Existing Curb Cut Ramp

- TYPE A, WHITE TEMP. PVMT LINE MRKG, 8" WIDTH
- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (IO' LINE, 30' SPACE)
- TYPE A, WHITE TEMP. PVMT LINE MRKG. 8" WIDTH
- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (2' LINE, 13' SPACE)
- TEMPORARY STOP LINE

ZZZ TYPE III BARRICADE

Proposed Conc. Sidewalk

Brick Sidewalk

- ONE-WAY TEMPORARY PAVEMENT MARKERS

| A CONTRACTOR OF THE PARTY OF TH | Technical | Administrative |
|--|------------------------|--|
| OF RICHMO | Surveys Superintendent | |
| 0 × 10 B | Project Engineer | Capital Project Administra |
| (* → *)* | Maintenance Engineer | Deputy Director for Transportation / Public W |
| E * 2 | City Traffic Engineer | Director of Public Works |
| 170 | DFDAPTMFNT OF | PURIC WORKS |

RTE. 360 OVER MANCHESTER CANAL

| 2. Property owners correct as o |
|---------------------------------|
| 3. Ordinance Number |
| 4. Adopted |
| 5. Accepted |

BL: XX NW, NE, SW, SE

Lot dimensions in parentheses are from deed.

Sewer Manhole Sanitary Sewer Gravity 12°SAN. — Sanitary Sewer (Force Nain) 10°SFM -Electric Line Telephone/Telegraph ----- I/Ig-Water Line

Tree / Exist. Tree To Be Removed / Stump 🧐 ⁄

 Water Meter Edge of Pavement Fence Gas Drip
Gas Valve Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter

Telephone Manhole O 7 Electric Manhole ○ E Proposed Curb Cut Ramp Decorative Light • 🕀 Conduit (Conc. Encased)



DEPARTMENT OF PUBLIC WORKS RICHMOND, VIRGINIA

DRAWN BY: CHECKED BY:

1"-25' FEB 2025

PH PLANS

THESE PLANS ARE UNFINISHED

AND UNAPPROVED AND ARE NOT

ACQUISITION OF RIGHT OF WAY.

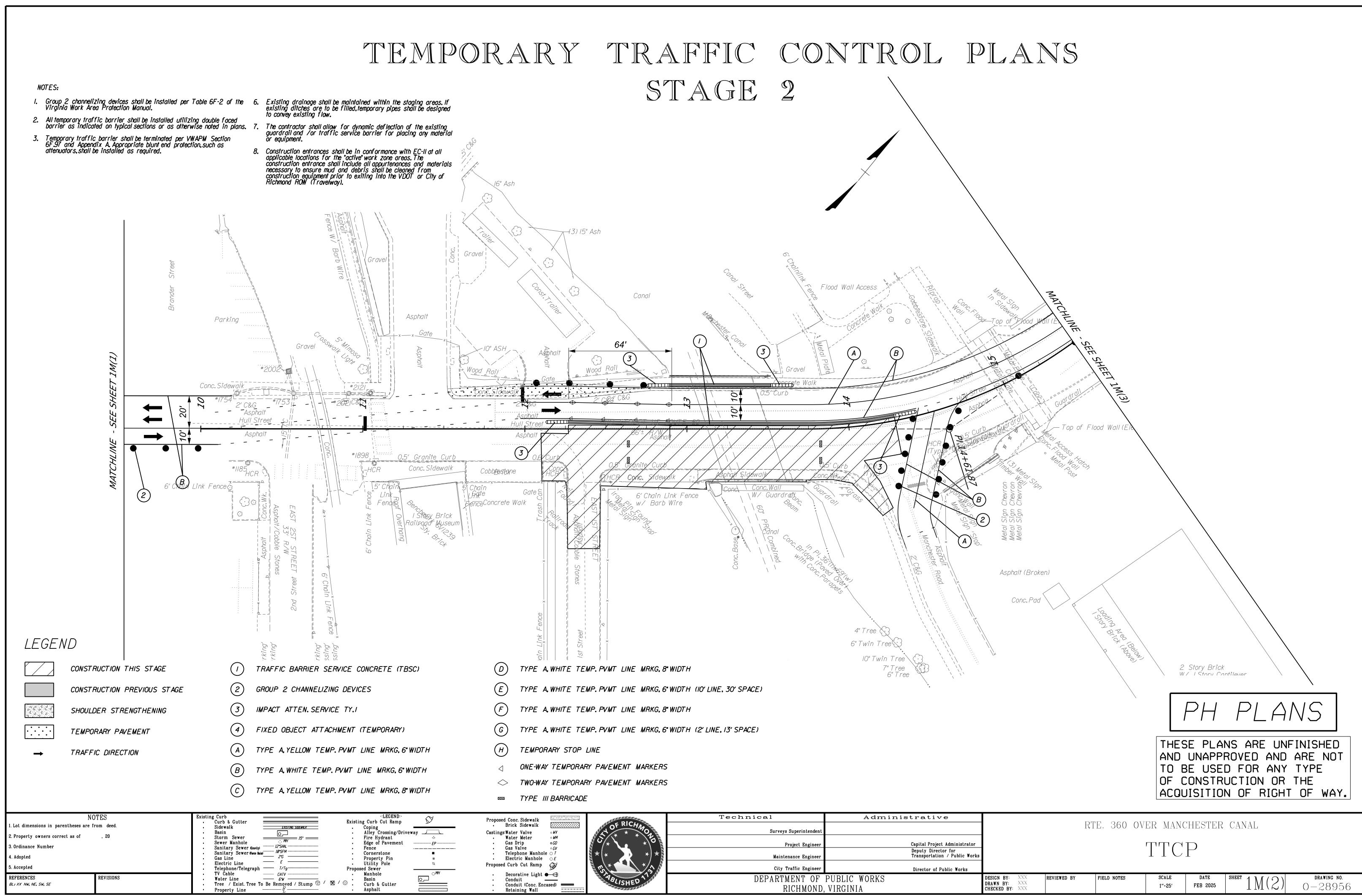
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OF CONSTRUCTION OR THE

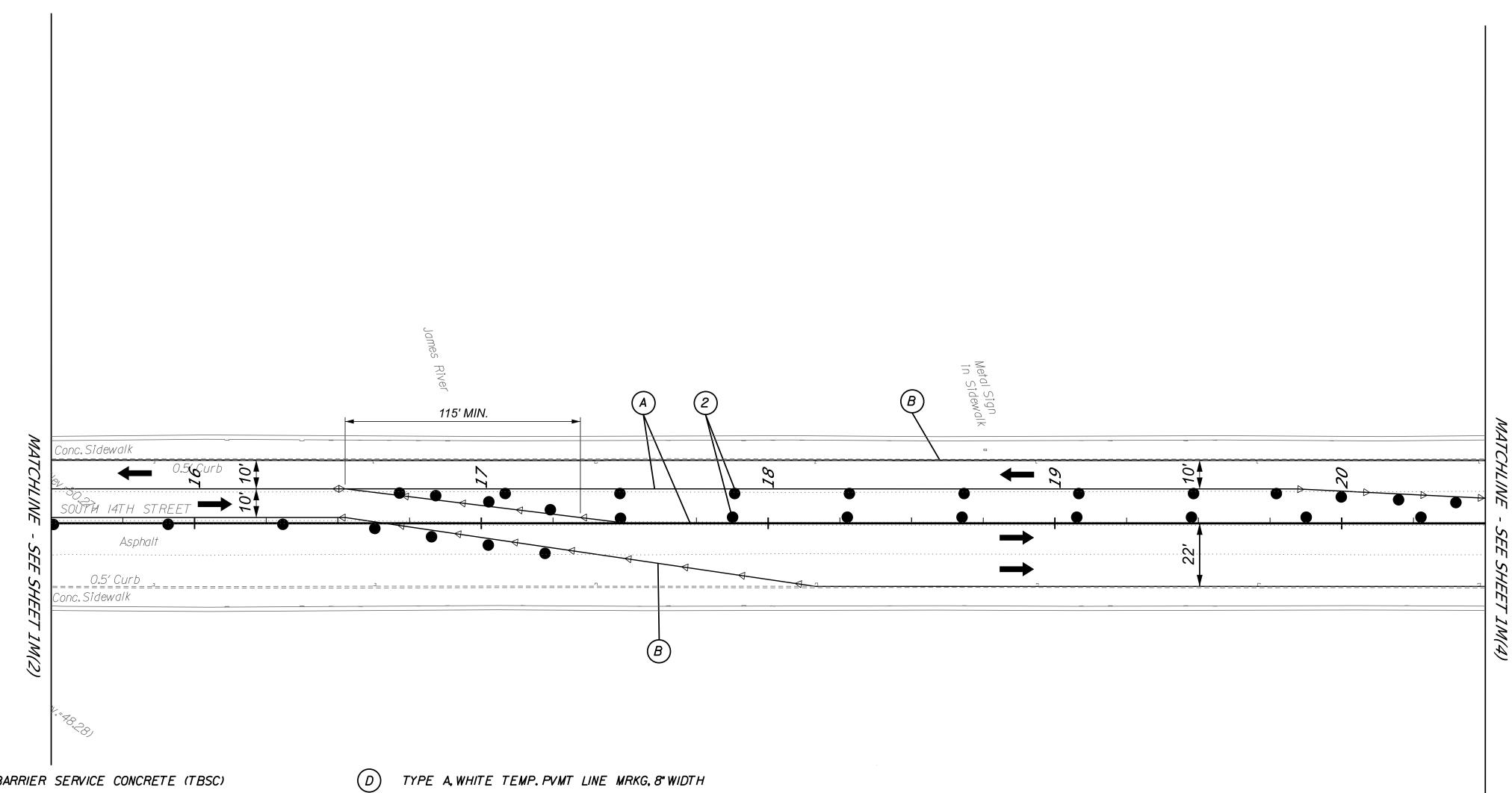
0 - 28956

RICHMOND, VIRGINIA

CHECKED BY:



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LEGEND

CONSTRUCTION THIS STAGE

CONSTRUCTION PREVIOUS STAGE

SHOULDER STRENGTHENING

TEMPORARY PAVEMENT

TRAFFIC DIRECTION

- TRAFFIC BARRIER SERVICE CONCRETE (TBSC)
- GROUP 2 CHANNELIZING DEVICES
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- FIXED OBJECT ATTACHMENT (TEMPORARY)
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- TYPE A, WHITE TEMP. PVMT LINE MRKG, 8" WIDTH
- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (2' LINE, 13' SPACE)
- TEMPORARY STOP LINE
- ONE-WAY TEMPORARY PAVEMENT MARKERS
- TWO-WAY TEMPORARY PAVEMENT MARKERS
- TYPE III BARRICADE

| 8250 | and the same | Technical | Administrative | | | | | | | |
|------|--------------|------------------------|--|---------------------------------|-----------------|-----------|-----------------|------------------|--------------------------|-------------|
| | OF RICHMO | Surveys Superintendent | | | RTE. | . 360 OV | ER MANC | CHESTER | CANAL | |
| | 10 * | Project Engineer | Capital Project Administrator | | | | ттс | \Box | | |
| | *(*)* | Maintenance Engineer | Deputy Director for Transportation / Public Works | | | | $11 \cup 1$ | Γ | | |
| | 1 m | City Traffic Engineer | Director of Public Works | | | | | | | |
| _ | PRUSHED | DEPARTMENT OF | | DESIGN BY: XXX DRAWN BY: XXX | REVIEWED BY FIE | ELD NOTES | SCALE 1"=25' | DATE FEB 2025 | $^{\text{SHEET}} 1 M(?)$ | DRAWING NO. |
| | Sterner 1 | RICHMOND, | VIRGINIA | CHECKED BY: XXX | | | 1 =25 | FED 2020 | 1 101 (0 / | 0-28956 |

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TO BE USED FOR ANY TYPE

OF CONSTRUCTION OR THE









2. Property owners correct as of 3. Ordinance Number 4. Adopted

5. Accepted BL: XX NW, NE, SW, SE Sewer Manhole Sanitary Sewer Gravity 12°SAN. — Sanitary Sewer (Force Nain) 10°SFM -Gas Line Electric Line Water Line

Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter Tree / Exist. Tree To Be Removed / Stump 🥸

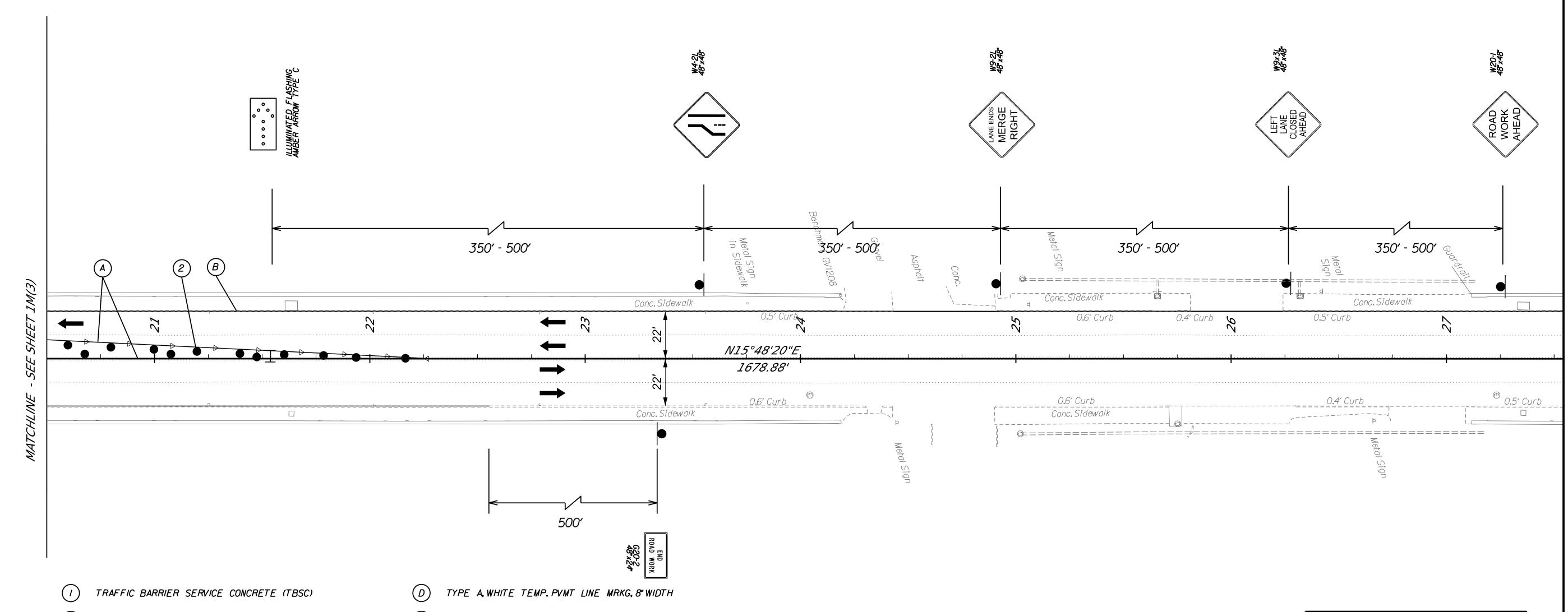
-:LEGEND:-Existing Curb Cut Ramp

Gas Drip
Gas Valve Telephone Manhole O I Electric Manhole ○ E Proposed Curb Cut Ramp Decorative Light 🗣 😅 Conduit (Conc. Encased)

Proposed Conc. Sidewalk



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LEGEND

CONSTRUCTION THIS STAGE

SHOULDER STRENGTHENING

CONSTRUCTION PREVIOUS STAGE

TEMPORARY PAVEMENT

TRAFFIC DIRECTION

- GROUP 2 CHANNELIZING DEVICES
- IMPACT ATTEN. SERVICE TY.I
- FIXED OBJECT ATTACHMENT (TEMPORARY)
- TYPE A. YELLOW TEMP. PVMT LINE MRKG. 6" WIDTH
- TYPE A. WHITE TEMP. PVMT LINE MRKG. 6" WIDTH
- TYPE A. YELLOW TEMP. PVMT LINE MRKG, 8" WIDTH

- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (IO' LINE, 30' SPACE)
- TYPE A, WHITE TEMP. PVMT LINE MRKG. 8" WIDTH
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- TEMPORARY STOP LINE

ZZZ TYPE III BARRICADE

- ONE-WAY TEMPORARY PAVEMENT MARKERS

| A CONTRACTOR OF THE PARTY OF TH | Technical | Administrative |
|--|------------------------|--|
| OF RICHMO | Surveys Superintendent | |
| * 0 } | Project Engineer | Capital Project Administra |
| (* → *)* | Maintenance Engineer | Deputy Director for Transportation / Public W |
| E * * * * * * * * * * * * * * * * * * * | City Traffic Engineer | Director of Public Works |
| ABLISHED VI | DEPARTMENT OF | PUBLIC WORKS |

RICHMOND, VIRGINIA

RTE. 360 OVER MANCHESTER CANAL

PH PLANS

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OF CONSTRUCTION OR THE

DRAWN BY: CHECKED BY: 1"-25' FEB 2025 0 - 28956

2. Property owners correct as of 3. Ordinance Number

4. Adopted 5. Accepted

BL: XX NW, NE, SW, SE

-:LEGEND:-Existing Curb Cut Ramp Edge of Pavement Fence Sewer Manhole Sanitary Sewer Gravity 12°5AN. -Sanitary Sewer (Force Nain) 10°SFM -Cornerstone Property Pin Utility Pole Electric Line Telephone/Telegraph -Proposed Sewer Manhole Basin Curb & Gutter

Tree / Exist. Tree To Be Removed / Stump [©]

Proposed Conc. Sidewalk Brick Sidewalk Water Meter Gas Drip
Gas Valve Telephone Manhole O 7 Electric Manhole ○ E Proposed Curb Cut Ramp Decorative Light • 🕀 Conduit (Conc. Encased)

DRAWN BY:

CHECKED BY:

RICHMOND, VIRGINIA

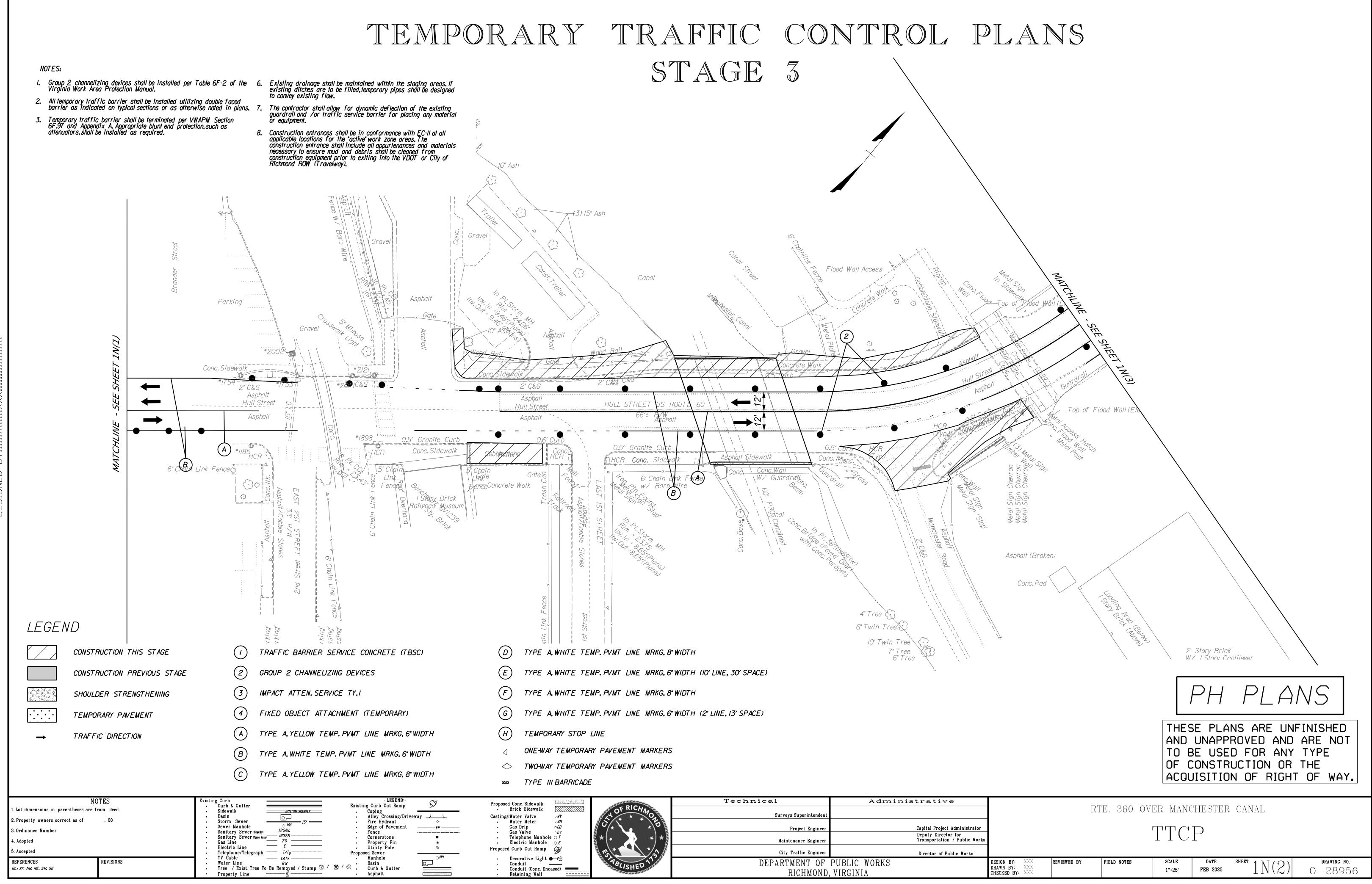
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1"=25'

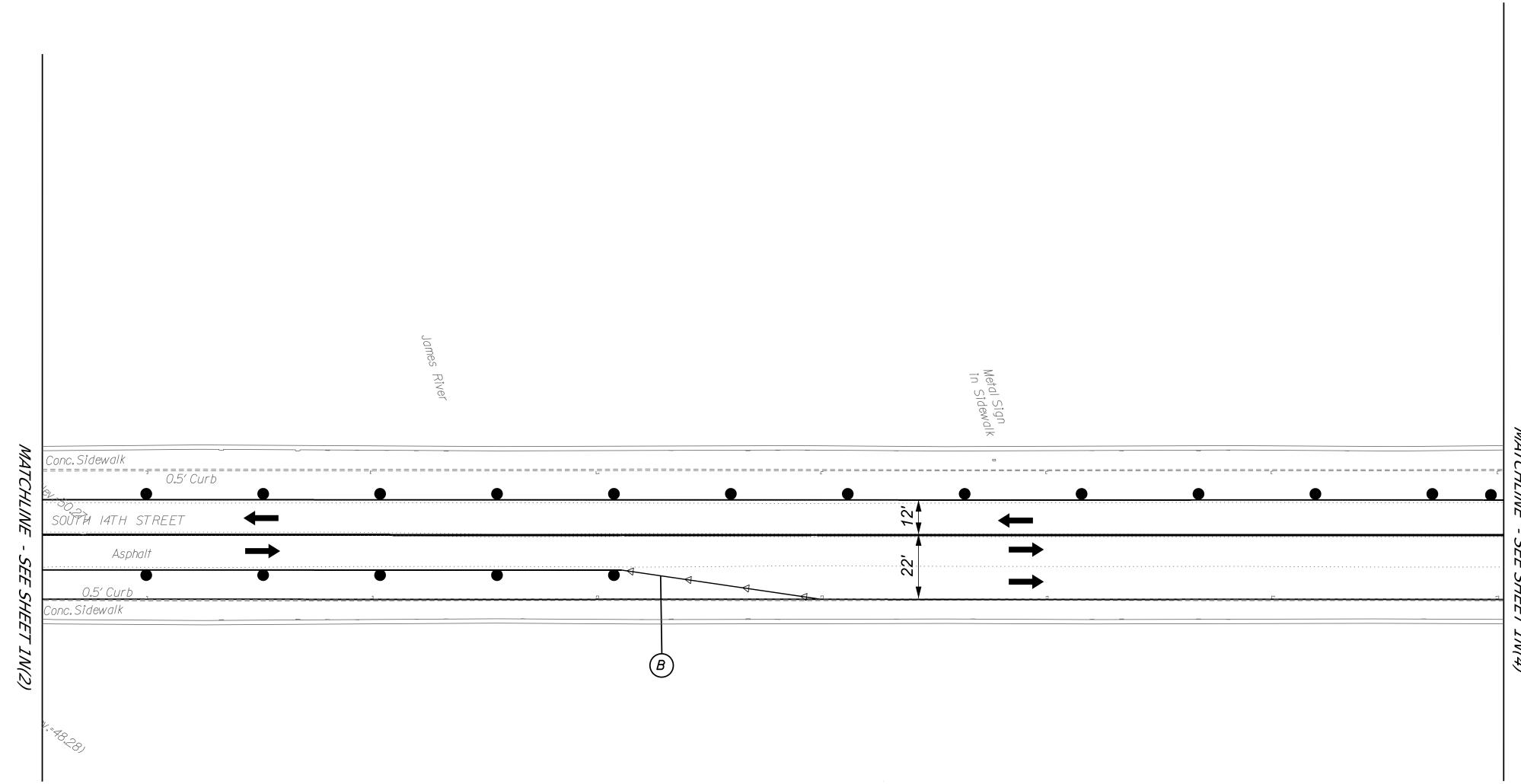
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Tree / Exist. Tree To Be Removed / Stump 🍪

BL: XX NW, NE, SW, SE



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LEGEND

CONSTRUCTION THIS STAGE

CONSTRUCTION PREVIOUS STAGE

SHOULDER STRENGTHENING

TEMPORARY PAVEMENT

TRAFFIC DIRECTION

- TRAFFIC BARRIER SERVICE CONCRETE (TBSC)
- GROUP 2 CHANNELIZING DEVICES
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- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH
- TYPE A, YELLOW TEMP. PVMT LINE MRKG, 8" WIDTH

-:LEGEND:-Existing Curb Cut Ramp

- TYPE A, WHITE TEMP. PVMT LINE MRKG, 8" WIDTH
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- ONE-WAY TEMPORARY PAVEMENT MARKERS
- TWO-WAY TEMPORARY PAVEMENT MARKERS
- TYPE III BARRICADE

| OF RICHMOND * * * * * * * * * * * * * * * * * * * | |
|--|--|

| THE PARTY OF THE P | Technical | Administrative |
|--|------------------------|--|
| RICHMO | Surveys Superintendent | |
| * 10 | Project Engineer | Capital Project Administrat |
| * * | Maintenance Engineer | Deputy Director for Transportation / Public W |
| * | City Traffic Engineer | Director of Public Works |
| 1 | DEPARTMENT OF | PUBLIC WORKS |

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RTE. 360 OVER MANCHESTER CANAL

1"=25'

DRAWN BY: CHECKED BY:

FEB 2025

0 - 28956

| 3. Ordinance Number |
|---------------------|
| 4. Adopted |
| 5. Accepted |
| REFERENCES |

BL: XX NW, NE, SW, SE

Lot dimensions in parentheses are from deed.

2. Property owners correct as of , 20

Sewer Manhole Sanitary Sewer Gravity 12°SAN. — Sanitary Sewer (Force Nain) 10°SFM -Electric Line Telephone/Telegraph ----- 1/1g-Water Line

Tree / Exist. Tree To Be Removed / Stump 🧐 ⁄

Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter

Telephone Manhole O Electric Manhole Ox Proposed Curb Cut Ramp Decorative Light 🗣 😅 Conduit (Conc. Encased)

Proposed Conc. Sidewalk

Water Meter

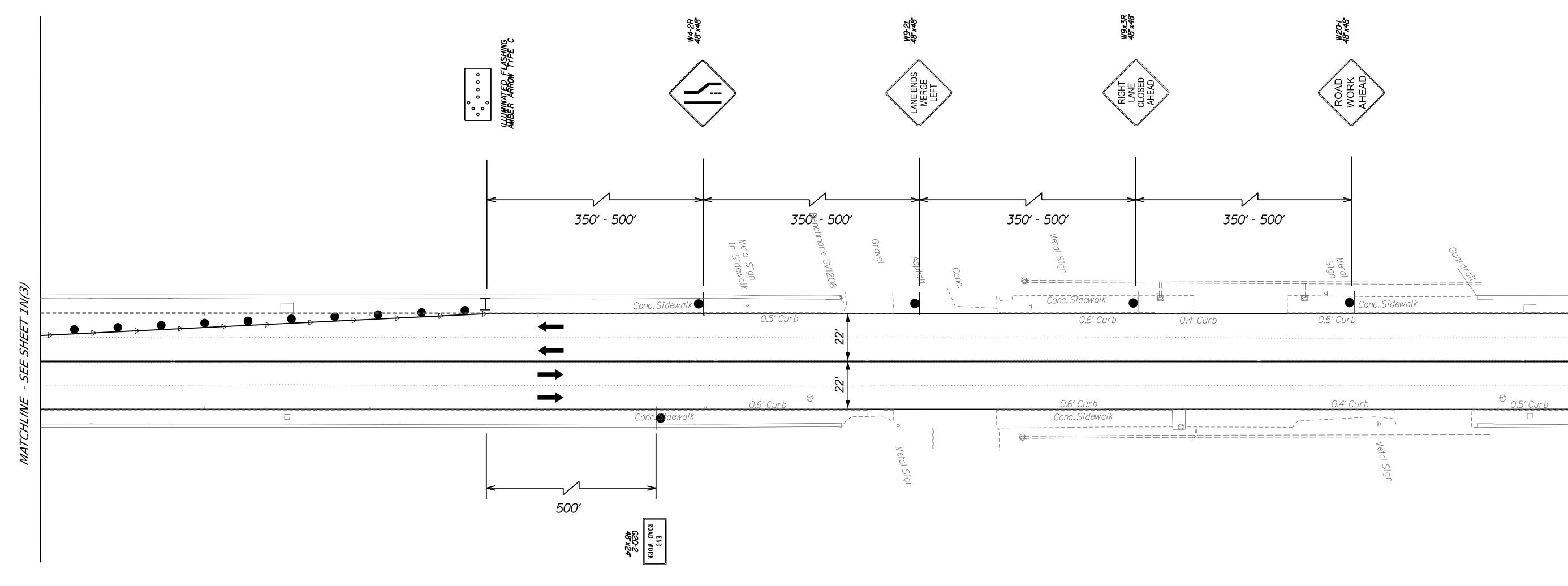
Gas Drip
Gas Valve

Brick Sidewalk

RICHMOND, VIRGINIA



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LEGEND

CONSTRUCTION THIS STAGE

CONSTRUCTION PREVIOUS STAGE

SHOULDER STRENGTHENING

TEMPORARY PAVEMENT

TRAFFIC DIRECTION

- TRAFFIC BARRIER SERVICE CONCRETE (TBSC)
- GROUP 2 CHANNELIZING DEVICES
- IMPACT ATTEN. SERVICE TY.I
- FIXED OBJECT ATTACHMENT (TEMPORARY)
- TYPE A. YELLOW TEMP. PVMT LINE MRKG. 6" WIDTH
- TYPE A. WHITE TEMP. PVMT LINE MRKG. 6" WIDTH
- TYPE A, YELLOW TEMP. PVMT LINE MRKG, 8" WIDTH

- TYPE A, WHITE TEMP. PVMT LINE MRKG, 8" WIDTH
- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (IO' LINE, 30' SPACE)
- TYPE A, WHITE TEMP. PVMT LINE MRKG. 8" WIDTH
- TYPE A, WHITE TEMP. PVMT LINE MRKG, 6" WIDTH (2' LINE, 13' SPACE)
- TEMPORARY STOP LINE

ZZZ TYPE III BARRICADE

- ONE-WAY TEMPORARY PAVEMENT MARKERS

| The state of the s | Technical | Administrative |
|--|------------------------|--|
| OF RICHMO | Surveys Superintendent | |
| \$ 1 T | Project Engineer | Capital Project Administr |
| (* → *)* | Maintenance Engineer | Deputy Director for Transportation / Public |
| | City Traffic Engineer | Director of Public Works |
| ABITCHED AND | DEPARTMENT OF | PUBLIC WORKS |

RTE. 360 OVER MANCHESTER CANAL

PH PLANS

THESE PLANS ARE UNFINISHED

AND UNAPPROVED AND ARE NOT

ACQUISITION OF RIGHT OF WAY.

0 - 28956

TO BE USED FOR ANY TYPE

OF CONSTRUCTION OR THE

DRAWN BY: CHECKED BY: 1"-25' FEB 2025

Lot dimensions in parentheses are from deed. 2. Property owners correct as of 3. Ordinance Number

4. Adopted 5. Accepted

BL: XX NW, NE, SW, SE

-:LEGEND:-Existing Curb Cut Ramp Edge of Pavement Fence Sewer Manhole Sanitary Sewer Gravity 12"SAN. — Sanitary Sewer (Force Nain) 10°SFM -Cornerstone Property Pin Utility Pole Gas Line Electric Line Telephone/Telegraph ----- I/Ig-Proposed Sewer Manhole Basin Curb & Gutter Water Line Tree / Exist. Tree To Be Removed / Stump 🧐 ⁄

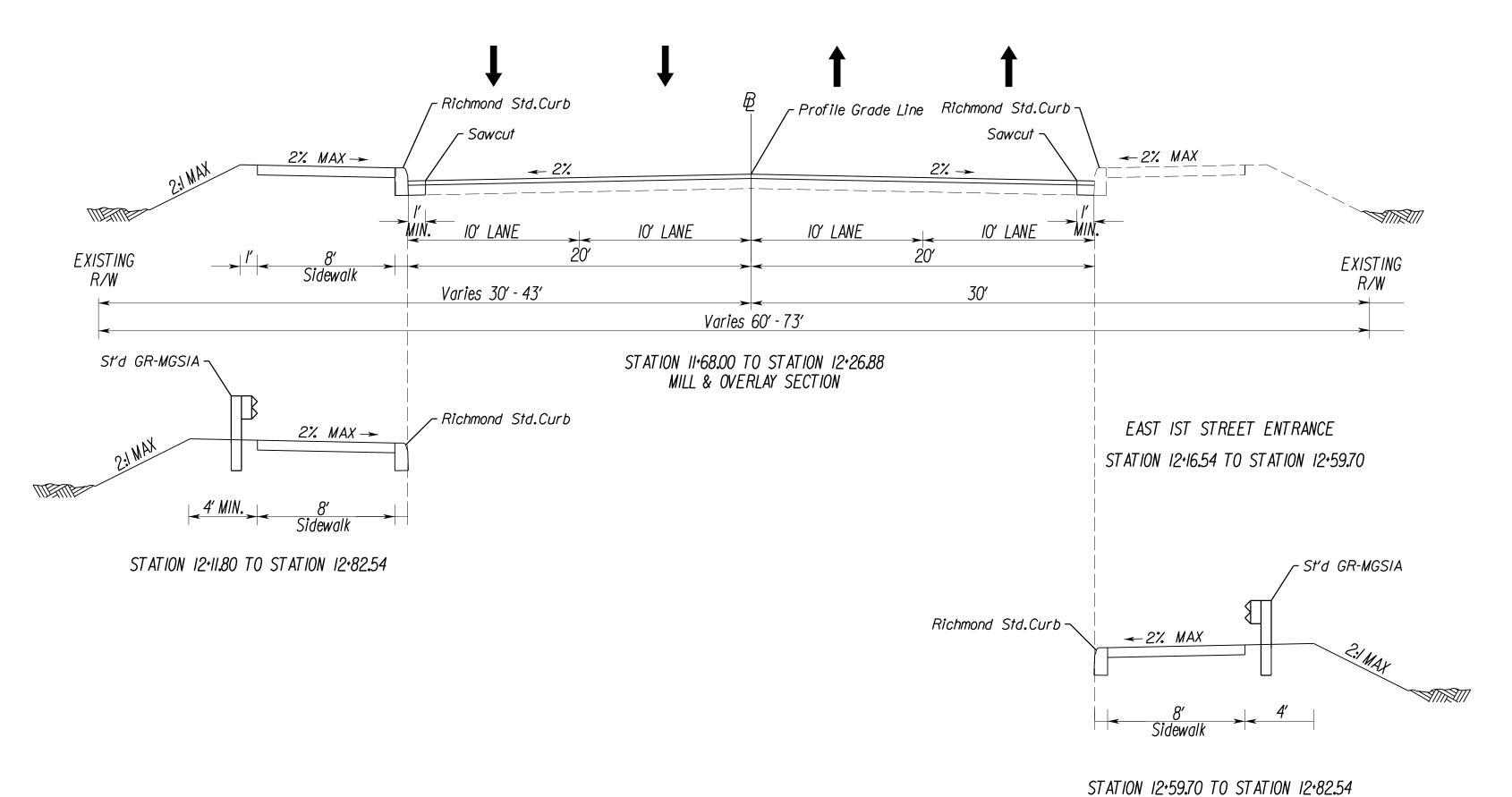
 Brick Sidewalk Water Meter Gas Drip
Gas Valve Telephone Manhole O 7 Electric Manhole ○ E Proposed Curb Cut Ramp Decorative Light • -Conduit (Conc. Encased)

Proposed Conc. Sidewalk

RICHMOND, VIRGINIA

TYPICAL SECTIONS

HULL STREET (ROUTE 360)

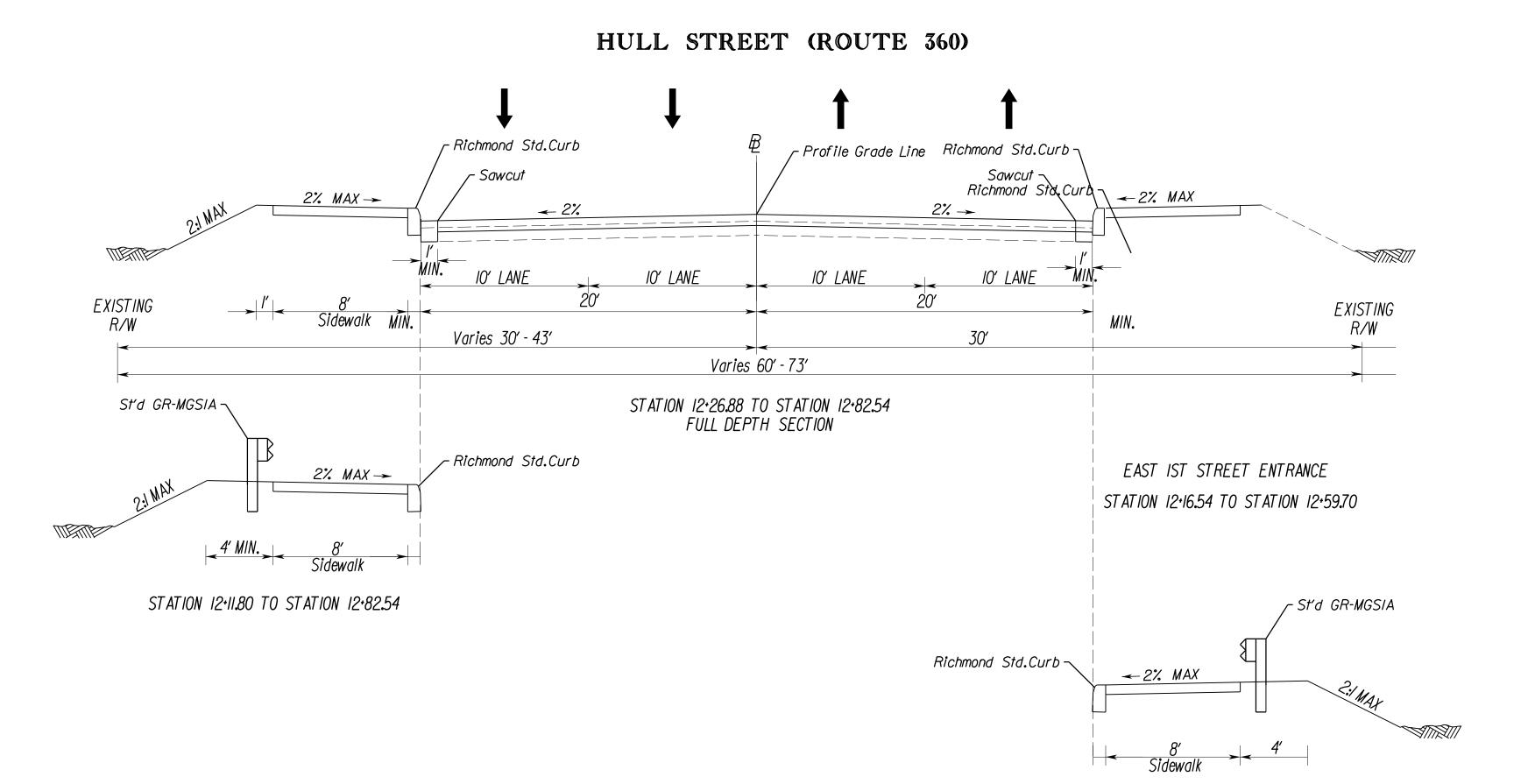


PH PLANS

Whitman, Requardt & Associat Richmond, Virginia ROADWAY ENGINEER

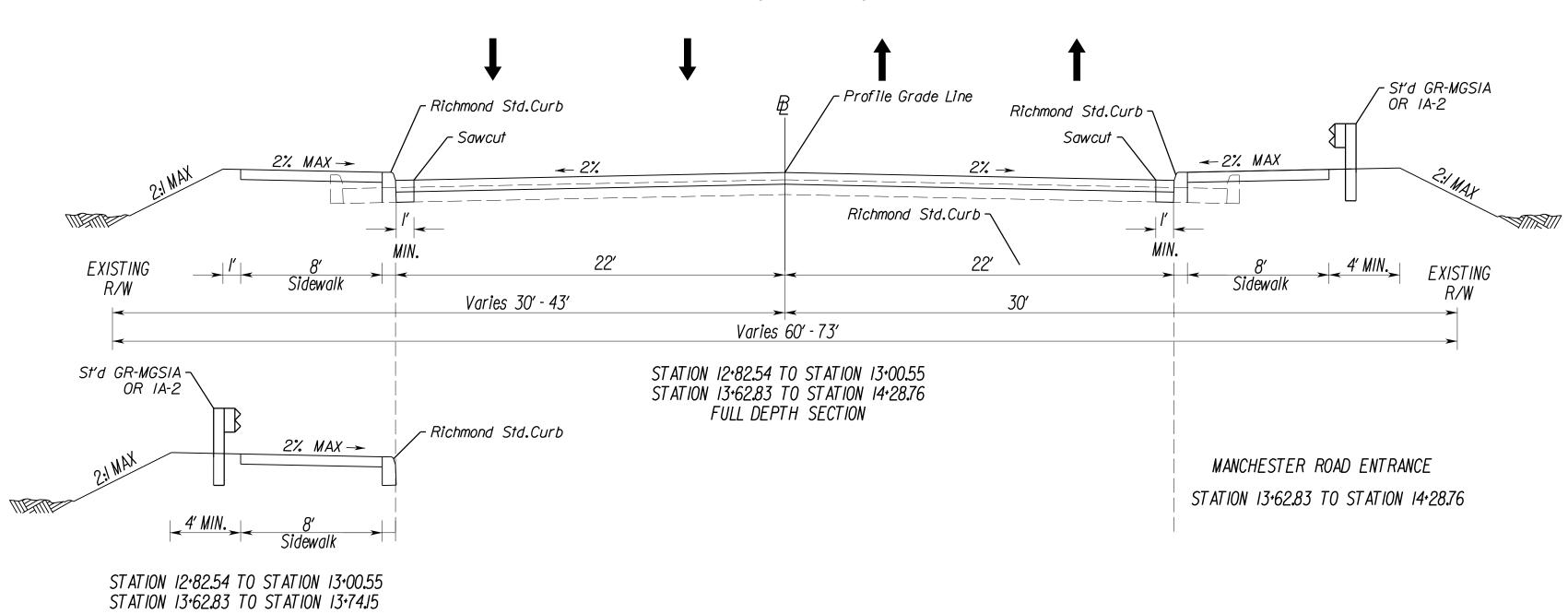
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

| NOTES | Existing Curb Curb & Gutter | -:LEGEND:- Existing Curb Cut Ramp | Proposed Conc. Sidewalk | A STATE OF THE PARTY OF THE PAR | Technical | Administrative | | | | | |
|---|--|---|--|--|------------------------|--|----------------------------------|--------------|------------|--------------------------|-------------|
| 1. Lot dimensions in parentheses are from deed. | Sidewalk <u>Existing Sidewalk</u> | . Coping | Brick Sidewalk | OF RICHMO | Surveys Superintendent | | h | RTE. 360 OVE | ER MANCHES | STER CANAL | |
| 2. Property owners correct as of , 20 | Storm Sewer <u>— 0, 15° — </u> | Alley Crossing/Driveway — Fire Hydrant | Castings:Water Valve ∘ WV → Water Meter ∘ WM | ST TO TO | | | | | - 4 | | |
| 3. Ordinance Number | Sanitary Sewer Gravity | | — <i>EP</i> | * \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Project Engineer | Capital Project Administrator | TV | $DT \cap AT$ | | TIONS | |
| 4. Adopted | Sanitary Sewer (Force Name) 10°5FM | Cornerstone Property Pin | | ★ (*) * ★ | Maintenance Engineer | Deputy Director for Transportation / Public Works | 1 1 . | | | | |
| 5. Accepted | Electric Line Telephone/Telegraph Tolephone/Telegraph | Utility Pole Proposed Sewer ——— | ∇ Proposed Curb Cut Ramp | [; * 1,5°] | City Traffic Engineer | Director of Public Works | | | | | |
| REFERENCES BL: XX NW, NE, SW, SE REVISIONS | TV Cable ———————————————————————————————————— | · Manhole · Basin O &⁄⊘ · Curb & Gutter | Decorative Light Conduit Conduit (Conc. Encased) | PELISHED | DEPARTMENT OF | | DESIGN BY: XXX DRAWN BY: XXX | FIELD NOTES | | ATE SHEET $2 \wedge (1)$ | DRAWING NO. |
| DEFINE THE SHEET | Property Line ———————————————————————————————————— | - Asphalt | Retaining Wall | · Summi | RICHMOND, | VIRGINIA | DRAWN BY: XXX CHECKED BY: XXX | | NTS FEB | $\sim A(1)$ | 0-28956 |



HULL STREET (ROUTE 360)

STATION 12+59.70 TO STATION 12+82.54



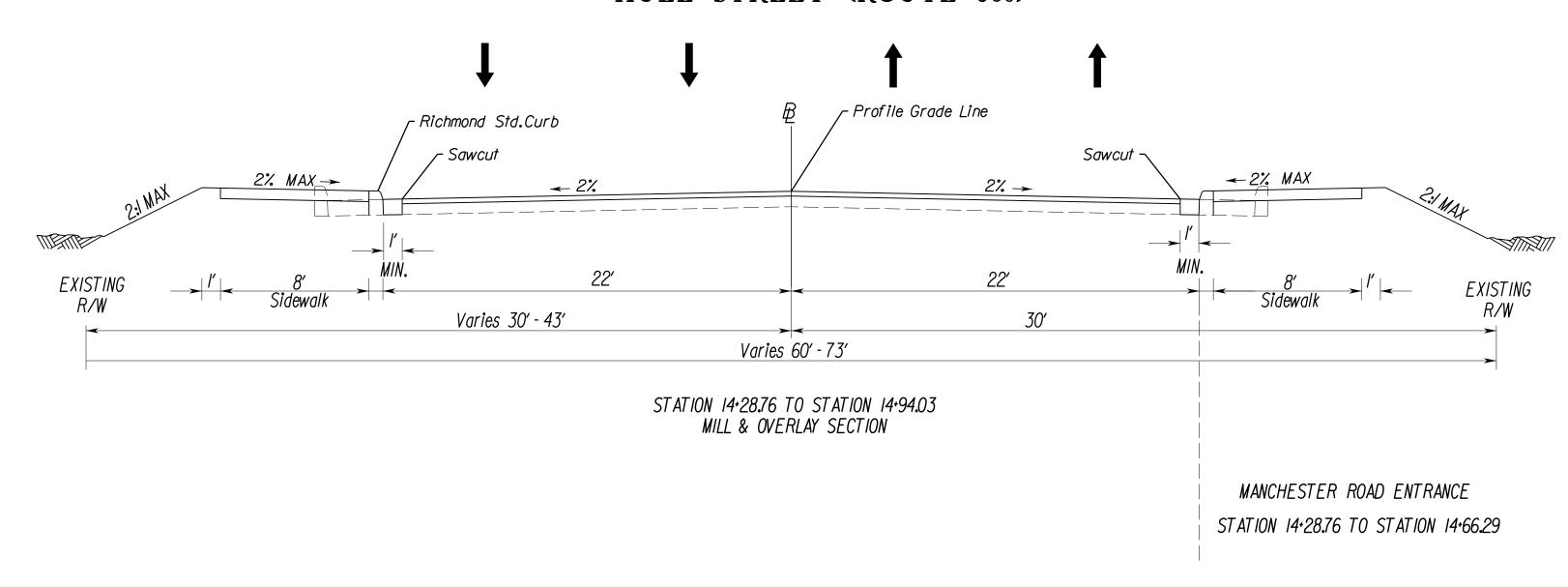
PH PLANS

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

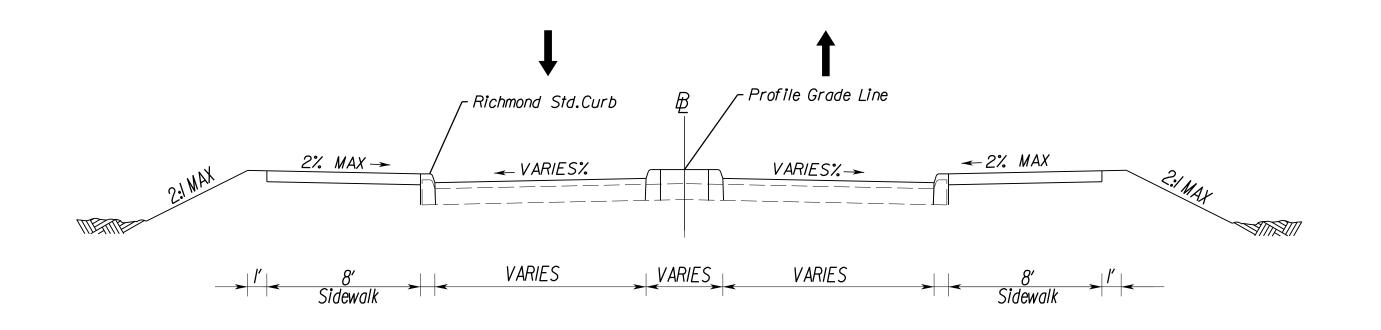
-:LEGEND:-Existing Curb Cut Ramp NOTES Existing Curb
Curb & Gutter Technical Administrative Proposed Conc. Sidewalk
Brick Sidewalk RTE. 360 OVER MANCHESTER CANAL . Lot dimensions in parentheses are from deed. Surveys Superintender Basin Storm Sewer Castings:Water Valve 2. Property owners correct as of Water Meter Edge of Pavement Fence Gas Drip
Gas Valve Capital Project Administrator

Deputy Director for
Transportation / Public Works Sewer Manhole TYPICAL SECTIONS Project Enginee 3. Ordinance Number Sanitary Sewer (Gravity)
Sanitary Sewer (Force Main) Telephone Manhole O I
Electric Manhole O E Cornerstone 4. Adopted Maintenance Engineer Gas Line Property Pin Utility Pole Electric Line Utility Pu
 Proposed Sewer
 Manhole
 Basin
 Curb & Gutter
 Asphalt Proposed Curb Cut Ramp Telephone/Telegraph
TV Cable 5. Accepted City Traffic Engineer Director of Public Works DEPARTMENT OF PUBLIC WORKS REFERENCES DRAWN BY: CHECKED BY: BL: XX NW, NE, SW, SE NTS FEB 2025 0 - 28956RICHMOND, VIRGINIA

HULL STREET (ROUTE 360)



MANCHESTER ROAD



STATION 10+18.38 TO STATION 10+49.02

PH 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.

| No | OTES | Existing Curb Curb & Gutter | -:LEGEND:- Existing Curb Cut Ramp | Proposed Conc. Sidewalk | A STATE OF THE PARTY OF THE PAR | Technical | Administrative | | | | | |
|--|------------|--|---|--|--|----------------------------|--|--|--------------|------------------------------|---|-----------------------|
| 1. Lot dimensions in parentheses are f | from deed. | Sidewalk Basin | Coping Alley Crossing/Driveway | Brick Sidewalk Castings:Water Valve • WV | OF RICHMO | Surveys Superintendent | | K | IE. 360 OVER | R MANCHESTER | CANAL CANAL | |
| 2. Property owners correct as of | , 20 | Storm Sewer | • Fire Hydrant \diamond Edge of Pavement $=$ EP | • Water Meter ∘ WM Gas Drip □ GD | CITY * * NOTE | Project Engineer | Capital Project Administrator | | | α D α m τ | \bigcirc \mathbf{N} \top \bigcirc | |
| 3. Ordinance Number | | Sanitary Sewer Gravity) Sanitary Sewer Force Nain | • Fence ·——————— • Cornerstone ■ | —- Gas Valve ∘ CV • Telephone Manhole ○ 7 | * (*) * * | Maintenance Engineer | Deputy Director for Transportation / Public Works | 1 Y ₂ | TCAL | SECTI | UNS | |
| 4. Adopted 5. Accepted | | Gas Line Electric Line F | Property PinUtility Pole | Electric Manhole O E Proposed Curb Cut Ramp 🔊 | | | · | | | , | , | |
| 5. Accepted | | Ty Coble | Proposed Sewer ——————————————————————————————————— | — | 13 | City Traffic Engineer | Director of Public Works | | | | | |
| REFERENCES BL: XX NW, NE, SW, SE | REVISIONS | Water Line — CATV — CATV — 6'W — 6'W — 5'Y = 5'Y | Basin Curb & Gutter | Decorative Light | BIJEUED | DEPARTMENT OF RICHMOND, | | DESIGN BY: XXX DRAWN BY: XXX GURGUER DV: XXX | FIELD NOTES | SCALE DATE NTS FEB 2025 | SHEET 2 A (3) | DRAWING NO. $0-28956$ |
| | | Property Line | • Asphalt | • Retaining Wall <u></u> | | RICHMOND, | VINGINIA | CHECKED BY: XXX | | | 1011(0) | 0 20000 |

Proposed Curb Cut Ramp

Decorative Light
Conduit
Conduit (Conc. Encased)
Retaining Wall

SURVEYED BY: SUPERVISED BY DESIGNED BY:

4. Adopted

5. Accepted

REFERENCES

BL: XX NW, NE, SW, SE

OFFSET LOCATION

Maintenance Engineer

City Traffic Engineer

DEPARTMENT OF PUBLIC WORKS

RICHMOND, VIRGINIA

Director of Public Works

DESIGN BY: DRAWN BY: CHECKED BY:

| LOCATION | OFFSET | | | | | | |
|----------|----------|-------|----|-------|--|--|--|
| 3A | 13+98.87 | 34.60 | Rt | 27.33 | | | |
| 3B | 14+02.64 | 37.62 | Rt | 26.83 | | | |
| 3C | 14+02.57 | 27.73 | Rt | 27.29 | | | |
| 3D | 14+02.88 | 27.16 | Rt | 26.79 | | | |
| 3E | 14+05.58 | 41.23 | Rt | 26.74 | | | |
| 3F | 14+08.19 | 46.36 | Rt | 26.87 | | | |
| 3G | 14+12.61 | 54.07 | Rt | 26.54 | | | |
| 3H | 14+07.95 | 31.33 | Rt | 26.70 | | | |
| 31 | 14+11.82 | 36.27 | Rt | 26.57 | | | |
| 3J | 14+15.14 | 43.23 | Rt | 26.29 | | | |
| 3K | 14+14.61 | 43.47 | Rt | 26.79 | | | |
| 3L | 14+16.66 | 53.00 | Rt | 26.47 | | | |
| 3M | 14+16.64 | 52.91 | Rt | | | | |
| | | | | | | | |

| LOCATION | OFFSET | | | | |
|----------|----------|-------|----|-------|--|
| 4A | 14+24.54 | 30.50 | Rt | 27.17 | |
| 4B | 14+24.54 | 35.50 | Rt | 26.95 | |
| 4C | 14+29.15 | 30.50 | Rt | 27.28 | |
| 4D | 14+29.15 | 35.50 | Rt | 27.06 | |
| | | | | | |

| OFFSET | | | | | | |
|----------|--|---|---|--|--|--|
| 14+42.73 | 35.34 | Rt | 27.08 | | | |
| 14+46.22 | 30.85 | Rt | 27.20 | | | |
| 14+46.77 | 38.69 | Rt | 27.18 | | | |
| 14+49.70 | 34.96 | Rt | 27.28 | | | |
| 14+53.37 | 25.30 | Rt | 27.49 | | | |
| 14+53.64 | 25.90 | Rt | 27.99 | | | |
| 14+55.64 | 30.39 | Rt | 28.02 | | | |
| | 14+46.22 14+46.77 14+49.70 14+53.37 14+53.64 | 14+42.73 35.34 14+46.22 30.85 14+46.77 38.69 14+49.70 34.96 14+53.37 25.30 14+53.64 25.90 | 14+42.73 35.34 Rt 14+46.22 30.85 Rt 14+46.77 38.69 Rt 14+49.70 34.96 Rt 14+53.37 25.30 Rt 14+53.64 25.90 Rt | | | |

PH PLANS

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0 - 28956

FEB 2025

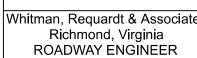
1"=25'

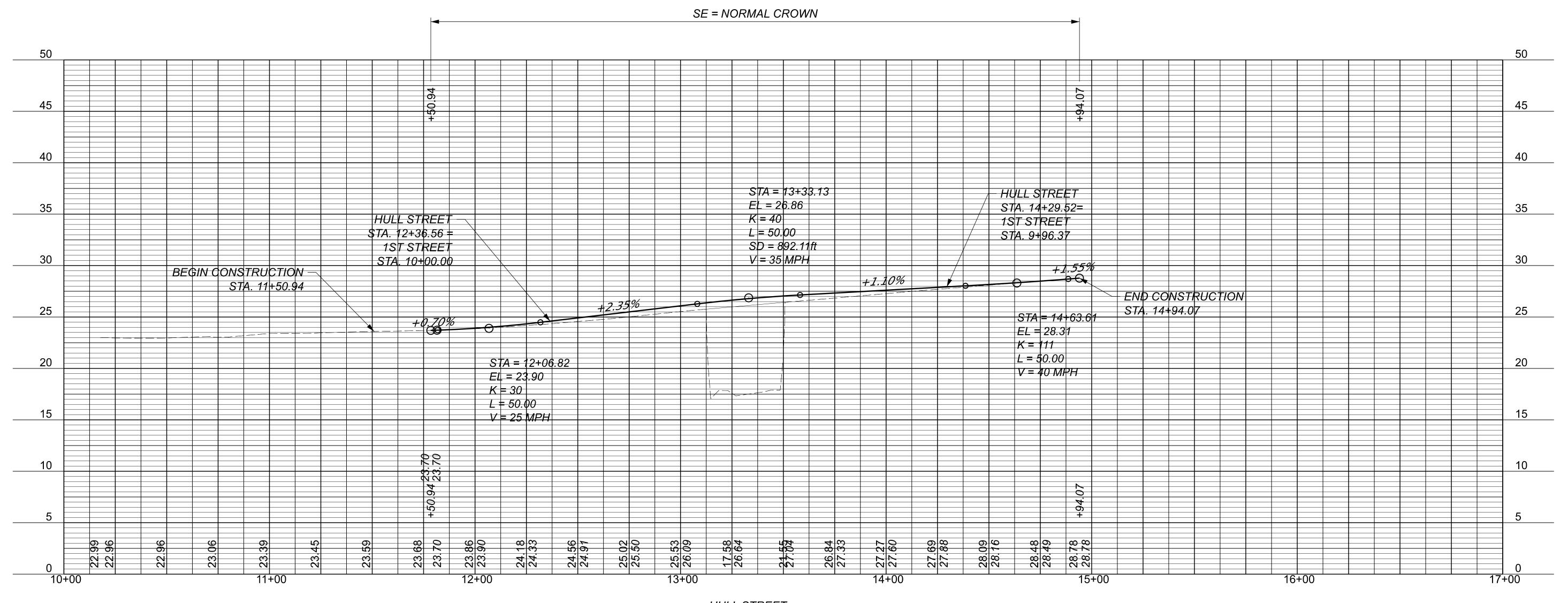
SURVEYED BY SUPERVISED DESIGNED BY

5 ft.¬

VERTICAL SCALE

/**" =** 5′





HULL STREET

PH PLANS

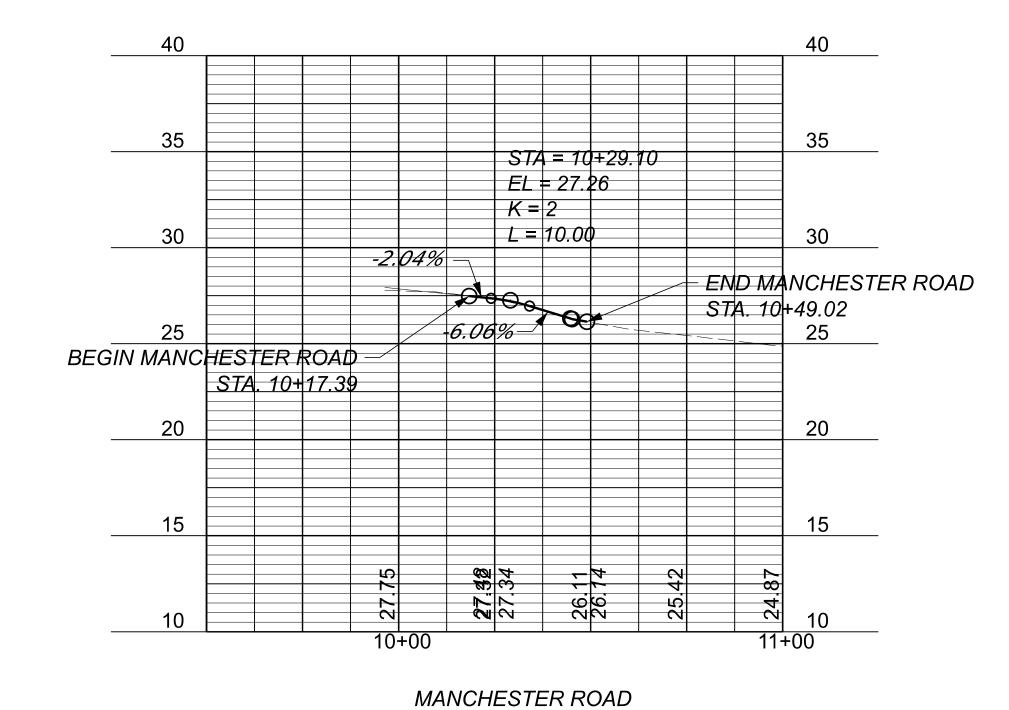
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

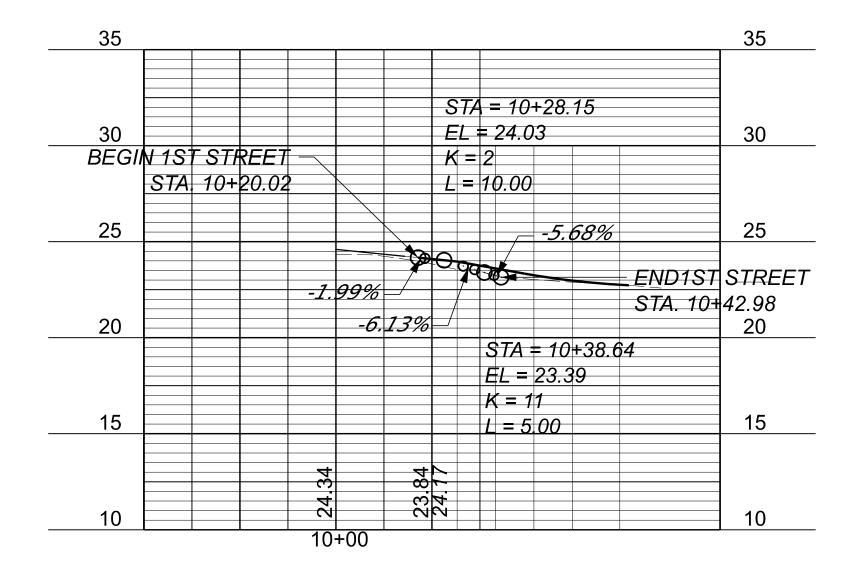
HORIZONTAL SCALE ACQUISITION OF RIGHT OF WAY. /**" =** 25' 25 ft. -:LEGEND:-Existing Curb Cut Ramp NOTES Existing Curb
Curb & Gutter Technical Administrative Proposed Conc. Sidewalk
Brick Sidewalk RTE. 360 OVER MANCHESTER CANAL . Lot dimensions in parentheses are from deed. Surveys Superintenden Basin Storm Sewer Sewer Manhole Alley Crossing/Driveway Fire Hydrant Castings:Water Valve 2. Property owners correct as of Water Meter
 Gas Drip
 Gas Valve Edge of Pavement Fence Capital Project Administrator

Deputy Director for
Transportation / Public Works Project Enginee 3. Ordinance Number Sanitary Sewer (Gravity)
Sanitary Sewer (Force Main)

12"SAN. 10"SFM -PROFILE Telephone Manhole O I
 Electric Manhole O E Cornerstone Property Pin
Utility Pole
Proposed Sewer
Manhole
Basin
Curb & Gutter 4. Adopted Maintenance Engineer Gas Line Electric Line Proposed Curb Cut Ramp 5. Accepted City Traffic Engineer Telephone/Telegraph TV Cable IP: XXX-XXX-XXXX Director of Public Works DEPARTMENT OF PUBLIC WORKS DESIGN BY: XXX DRAWN BY: XXX CHECKED BY: XXX REFERENCES REVISIONS Water Line — 6W — Tree / Exist. Tree To Be Removed / Stump 🕾 / HORIZONTAL 1"-25' BL: XX NW, NE, SW, SE 0 - 28956RICHMOND, VIRGINIA VERTICAL 1"-5'

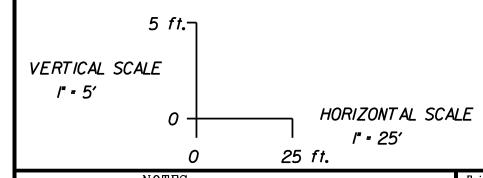
Whitman, Requardt & Associate Richmond, Virginia ROADWAY ENGINEER





1ST STREET

CIP: XXX-XXX-XXXX



SURVEYED BY: SUPERVISED BY DESIGNED BY:

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| NOTES | | Existin. | g curb Curb & Gutter | | Existii | ng Curb Cut Ramp | | Propose | d Conc. Sidewalk | F |
|---|------------|----------|---|-----------------------------|----------------|--------------------------------------|------------|---------|--------------------------------------|-----------------------------|
| 1. Lot dimensions in parentheses are fi | om deed. | | Sidewalk | EXISTING SIDEWALK | | Coping | | | Brick Sidewalk | |
| 2. Property owners correct as of | , 20 | | Basin Storm Sewer | | • | Alley Crossing/Drive Fire Hydrant | way | Casting | s:Water Valve Water Meter | ∘WV ∘WM |
| 3. Ordinance Number | | | Sewer Manhole | ⊕ MH | • | Edge of Pavement | <i>EP</i> | • | Gas Drip | □ <i>GD</i> |
| 3. Ordinance Number | | | Sanitary Sewer (Gravit Sanitary Sewer (Force) | y' taiceu | • | rence Cornerstone | | | Gas Valve Telephone Manhole | ∘ <i>GV</i> e ∩ <i>I</i> |
| 4. Adopted | | | Gas Line | 2'6 | | Property Pin | • | | Electric Manhole | |
| 5. Accepted | | : | Electric Line Telephone/Telegrapl | h — <i>I/Ig</i> —— | Propos | Utility Pole sed Sewer | <u> </u> | Propose | d Curb Cut Ramp | |
| REFERENCES | REVISIONS | • | TV Cable | CATV | · | Manhole | C ○MH | • | Decorative Light | ● ── |
| BL: XX NW, NE. SW. SE | KE VISIONS | • | Water Line | To Be Removed / Stump (3) / | ※ / ∅ : | Basin Curb & Gutter | <u>o</u> , | • | Conduit - | |
| DL: AA NW, NE, SW, SE | | ; | Property Line | L | zov 🐠 i | Asphalt | | : | Conduit (Conc. Enc Retaining Wall | ased) |

| OF RICHMON | |
|-----------------|--|
| * * * * | |
| | |
| 78LISHED 17 | |

| MILLION CO. | Technical | Administrative | |
|-------------|----------------------------|--|--|
| RICHMO | Surveys Superintendent | | |
| */08 | Project Engineer | Capital Project Administrator | |
| → → | Maintenance Engineer | Deputy Director for Transportation / Public Works | |
| */ | City Traffic Engineer | Director of Public Works | CIP: XXX-XXX-XX |
| ISHED | DEPARTMENT OF RICHMOND, | | DESIGN BY: XXX DRAWN BY: XXX CHECKED BY: XXX |
| | ILICII WOND, | VIIIGINIA | CHECKED DI-XXX |

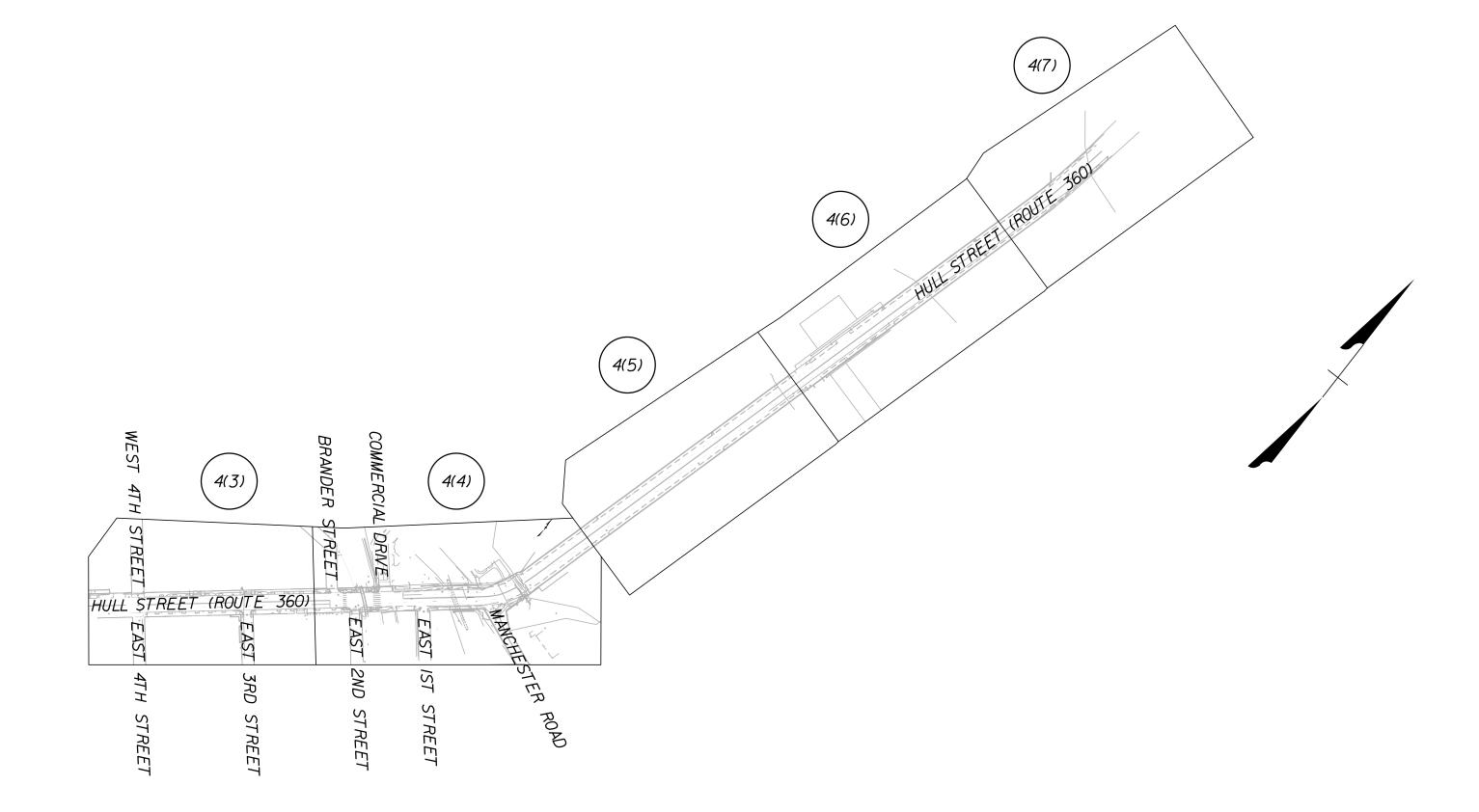
PROFILE

SCALE HORIZONTAL 1"-25' VERTICAL 1"-5'

RTE. 360 OVER MANCHESTER CANAL

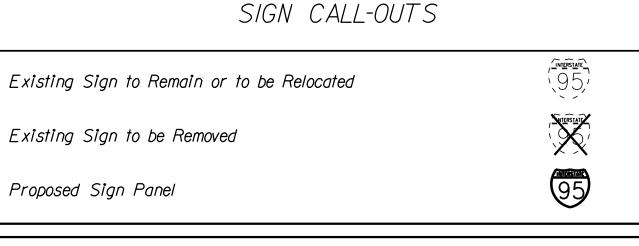
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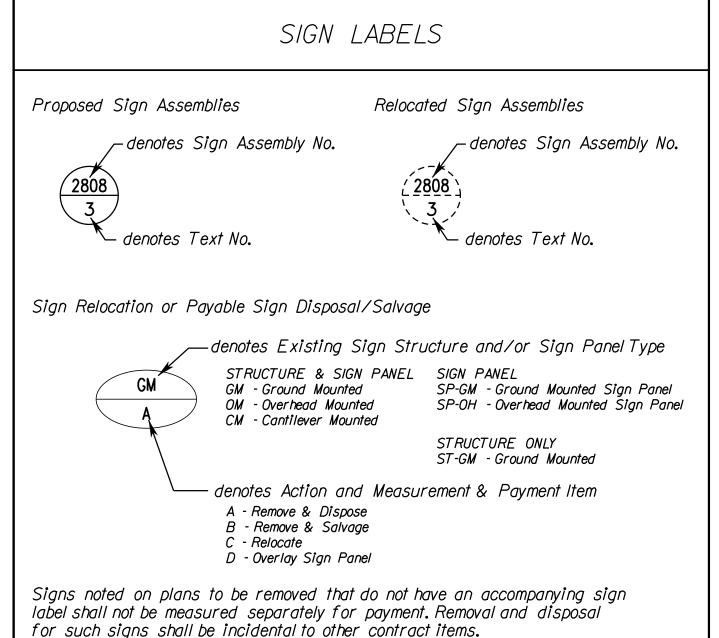
SIGNING AND PAVEMENT MARKING KEY PLAN



STANDARD SIGN LEGEND

| PLAN ITEM | PLAN S | SYMBOL |
|-----------------------------|-----------------|------------|
| I LAIV II L W | PROPOSED | EXISTING |
| Single Post Sign Support | • | 0 |
| Double Post Sign Support | • • | 0 0 |
| Triple Post Sign Support | • • • | 000 |
| Flashing Beacon | 1-1 | Δ Δ Ood |
| O/H Cantilever Sign Support | • - | <u> </u> |
| O/H Span Sign Support | • • | <u> </u> |
| | | |
| | | |
| | | |





GENERAL NOTES - SIGNING & PAVEMENT MARKINGS

- I. ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING MANUALS, OR THE MOST RECENT REVISION THERETO:
 - A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. B. THE VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL
 - C.THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS.
 - D.THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS.
- 2. THE CONTRACTOR SHALL REMOVE COMPLETELY ALL PREVIOUS PAVEMENT MARKINGS, WHICH IN THE OPINION OF THE CITY TRAFFIC ENGINEER CONFLICT WITH THE NEW PAVEMENT MARKINGS.THE CONTRACTOR SHALL HAVE ERADICATION METHOD APPROVED BY CITY TRAFFIC ENGINEER PRIOR TO IMPLEMENTATION.
- 3. LIMITS SHOWN OF PROPOSED MARKING ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO ENSURE THAT PROPOSED PAVEMENT MARKINGS CONTINUE UNTIL EXISTING PAVEMENT MARKING CAN BE MATCHED.
- 4. EXISTING SIGNS WITHIN THE LIMITS OF THE CONTRACT WHICH HAVE NOT BEEN ACCOUNTED FOR IN THE PLAN SHALL BE RELOCATED OR REMOVED AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
- 5. THE CONTRACTOR SHALL DELIVER ANY EXISTING TRAFFIC SIGNS REMOVED TO THE CITY OF RICHMOND TRAFFIC SIGNAL SHOP AT 3522 N. HOPKINS ROAD. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DISPOSAL AT AN OFF-SITE LOCATION OF ANY EXISTING TRAFFIC EQUIPMENT IF THE CITY OF RICHMOND TRAFFIC SIGNAL SHOP REFUSES AT DELIVERY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE 48 HOURS PRIOR TO DELIVERY BY CALLING (804) 646-1469.
- 6. EXISTING SIGN PANELS SCHEDULED TO BE REUSED/RELOCATED MAY BE REPLACED WITH NEW SIGNS AT THE DISCRETION OF THE CITY TRAFFIC ENGINEER.
- 7. THE CONTRACTOR SHALL PREPARE THE PAVEMENT SURFACE FOR THE PROPER ADHESION.ANY SWEEPING OR REMOVAL OF DEBRIS, GRAVEL, DIRT OR OTHER FOREIGN MATERIALS SHALL BE CONSIDERED AS INCIDENTAL TO THE INSTALLATION, AND NO SEPARATE PAYMENT THEREFORE.
- 8. UNLESS SPECIFIED OTHERWISE, THE BASIS OF MEASUREMENT SHALL BE ALONG THE LONGITUDINAL CENTERLINE OF PAVEMENT MARKINGS. MEASUREMENT FOR LEGENDS SHALL BE PER MESSAGE, COMPLETE AND IN PLACE.

- 9. PRIOR TO APPLICATION, THE CONTRACTOR SHALL FIELD CHECK AND LOCATE ALL PAVEMENT MARKINGSTO THE SATISFACTION OF THE PROJECT MANAGER.
- IO. ALL MARKINGS IMPROPERLY APPLIED OR LOCATED SHALL BE COMPLETELY REMOVED AND CORRECTLY REAPPLIED, AT THE SOLE EXPENSE OF THE CONTRACTOR.
- II. THERMOPLASTIC PAVEMENT MARKINGS SHALL NOT BE INSTALLED WITHIN SEVENTY-TWO (72) HOURS FOLLOWING A RAINFALL.
- 12. COLORS SHALL CONFORM TO STANDARD HIGHWAY COLORS THROUGHOUT THE EXPECTED LIFE OF THE FILM.
- 13. MARKING MATERIAL SHALL BE APPLIED AT THE SPECIFIED DIMENSIONS AND AT A RATE TO RESULT IN A MARKING THICKNESS OF 90 MILS 5 MILS (NOT INCLUDING GLASS BEAD TOP DRESSING).
- 14. THE MARKINGS SHALL BE PROVIDED IN SPECIFIED WIDTHS AND SHAPES. PREFORMED WORDS AND SYMBOLS SHALL CONFORM TO THE APPLICABLE SHAPES AND SIZES AS OUTLINED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" FOR STREETS AND HIGHWAYS LATEST EDITION.
- 15. SIGNS SHALL BE ERECTED ON POSTS WHERE DESIGNATED IN ACCORDANCE WITH THE PAVEMENT MARKINGS AND SIGNING PLANS. THEY SHALL CONFORM TO THE CURRENT VDOT SPECIFICATIONS AND STANDARDS.
- 16. UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN CONTRACT DOCUMENTS. ALL PAVEMENT MARKINGS AND LEGENDS IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH VDOT SPECIFICATIONS.
- 17. CENTERLINES ON UNDIVIDED HIGHWAYS SHALL BE SOLID DOUBLE YELLOW LINES 4" WIDE SEPARATED BY A 4" SPACE.
- 18. ALL STREET NAME SIGNS SHALL BE GREEN BACKGROUND, WITH WHITE LETTERING AND IN ACCORDANCE WITH CITY SPECIFICATIONS.
- 19. MAINTENANCE AND REPAIR OF THE SIGNING WITHIN THE PROJECT LIMITS ONCE MODIFICATIONS ARE STARTED, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

INDEX OF SHEETS

4(2)***

4(2B)***

4(3) - 4(7)

Index of Sheets, General Notes & Legends Summary of Quantities

Sheet Description:

Sign Schedule

Signing and Marking Plans

nitman, Requardt & Assoc Richmond, Virginia TRAFFIC ENGINEER

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 2. Property owners correct as of 3. Ordinance Number 4. Adopted

REVISIONS

5. Accepted

REFERENCES

BL: XX NW, NE, SW, SE

Curb & Gutter EXISTING SIDEWALK Storm Sewer Sewer Manhole Sanitary Sewer Gravity 12°SAN. — Sanitary Sewer (Force Nain) 10'SFM -Gas Line Electric Line Telephone/Telegraph - CATV -

Tree / Exist. Tree To Be Removed / Stump 🕄

Water Line

Existing Curb Cut Ramp Edge of Pavement Fence _____FP ____ Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Basin Curb & Gutter

Proposed Conc. Sidewalk Brick Sidewalk Castings:Water Valve Water Meter Gas Drip Gas Valve Telephone Manhole O I Electric Manhole ○ E Proposed Curb Cut Ramp Conduit (Conc. Encased)



Technical Administrative Surveys Superintende Capital Project Administrator Project Enginee Deputy Director for Transportation / Public Worl Maintenance Enginee City Traffic Engineer Director of Public Works DEPARTMENT OF PUBLIC WORKS

RICHMOND. VIRGINIA

RTE. 360 OVER MANCHESTER CANAL

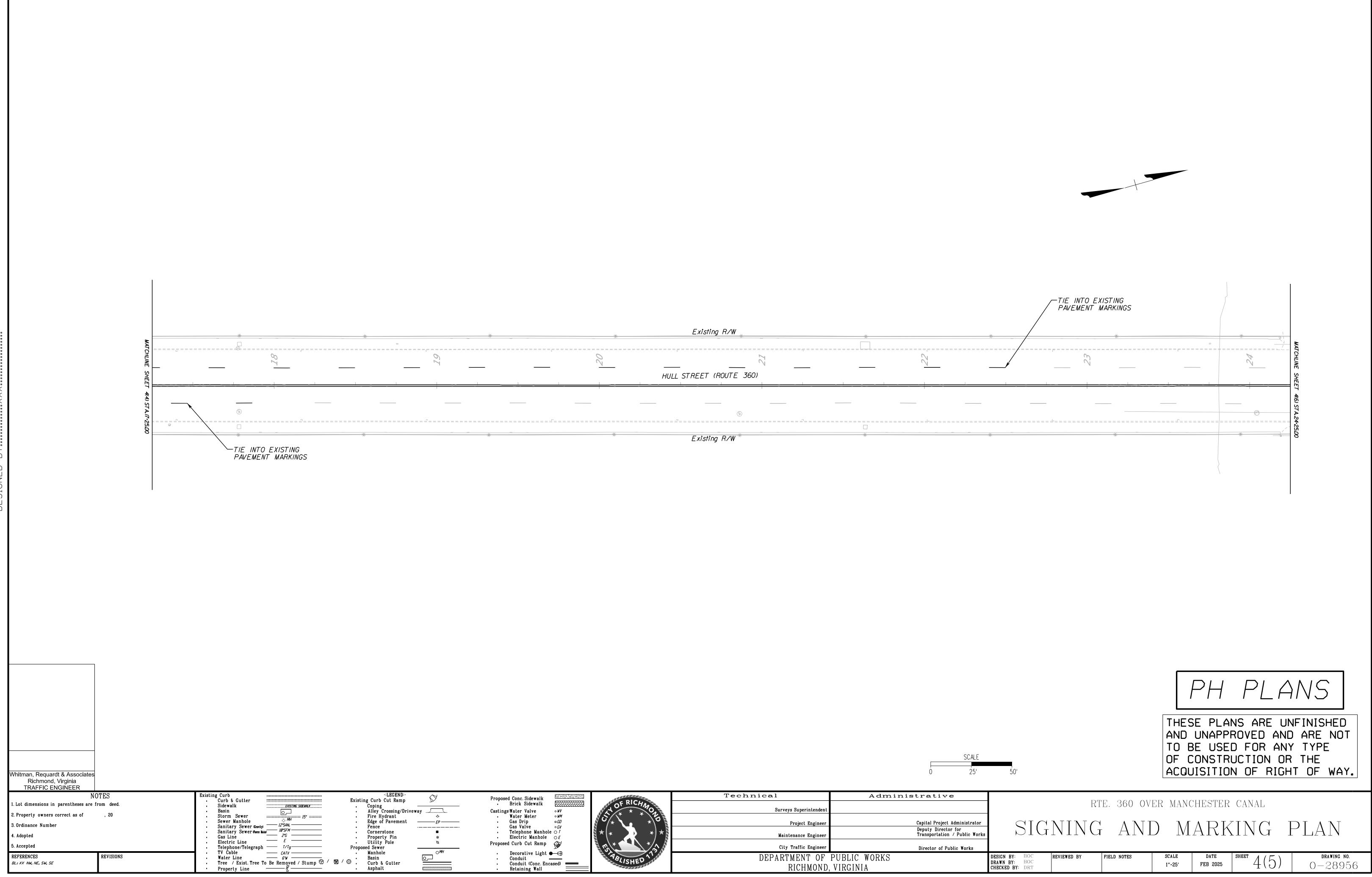
SIGNING AND MARKING PLAN

DRAWN BY: FEB 2025 0 - 289561"=250' CHECKED BY:

SURVEYED BY: SUPERVISED BY DESIGNED BY:

REFERENCES

BL: XX NW, NE, SW, SE



Decorative Light
Conduit
Conduit (Conc. Encased)
Retaining Wall

Director of Public Works

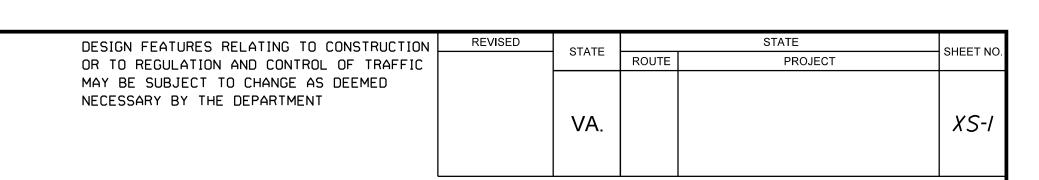
DESIGN BY: BOC Drawn by: Boc Checked by: Drt

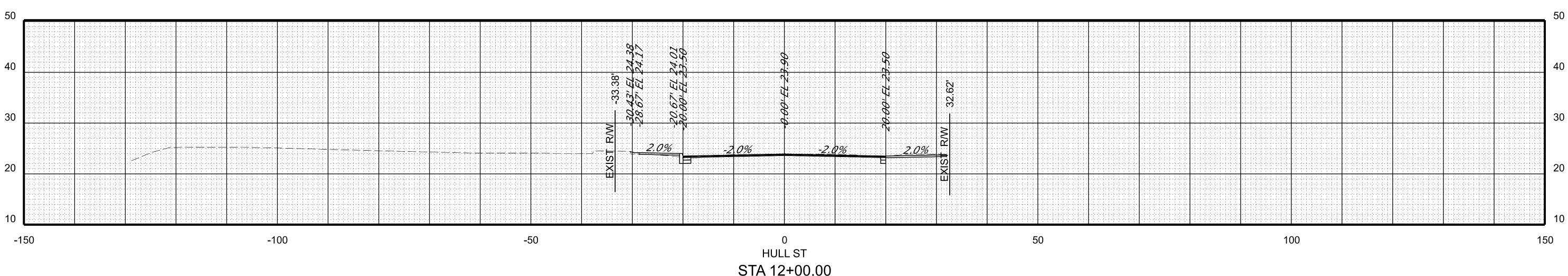
FEB 2025

1"=25'

0 - 28956

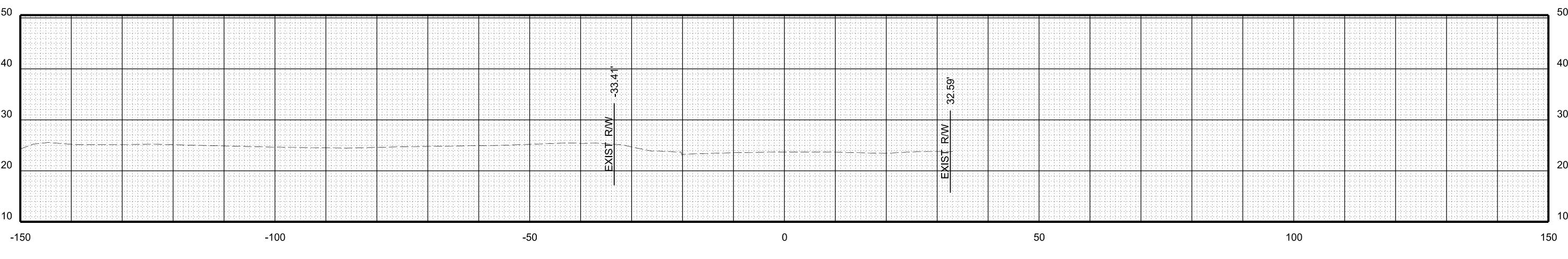
DEPARTMENT OF PUBLIC WORKS RICHMOND, VIRGINIA

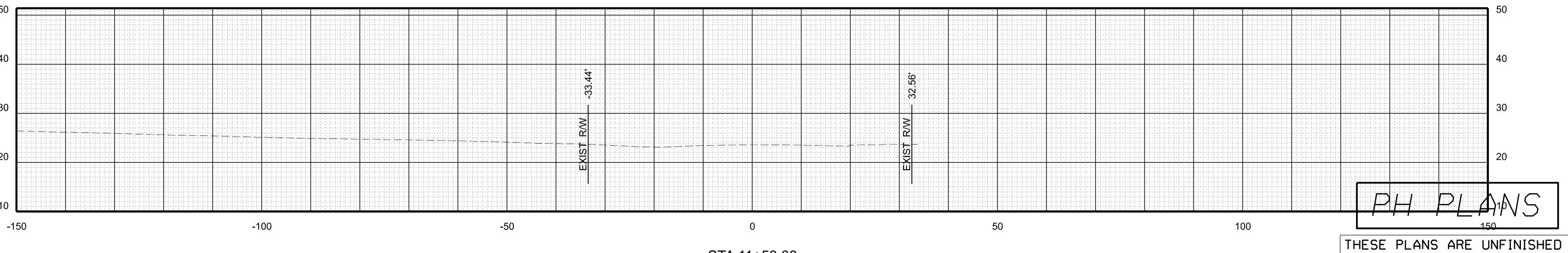




CROSS SECTIONS

SCALE 1 IN. = 10 FT





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

RTE. 360

SHEET NO. XS-I

STATE

DESIGN FEATURES RELATING TO CONSTRUCTION

STATE

DESIGN FEATURES RELATING TO CONSTRUCTION