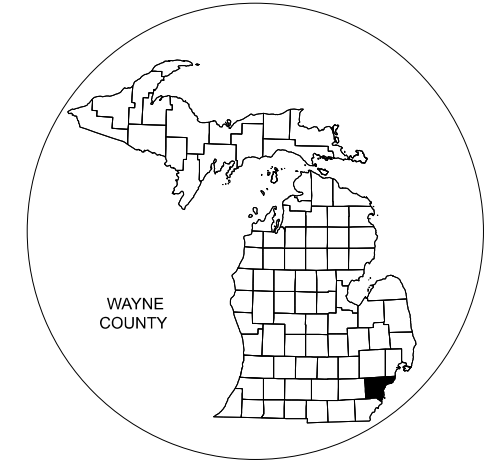


THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF DETROIT STANDARD SPECIFICATIONS AND STREET/ALLEY STANDARDS, AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION. EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, THE PROPOSAL, AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION 2020 EDITION.

CITY OF DETROIT

PW-7058

RANDOLPH STREETSCAPE



WAYNE COUNTY

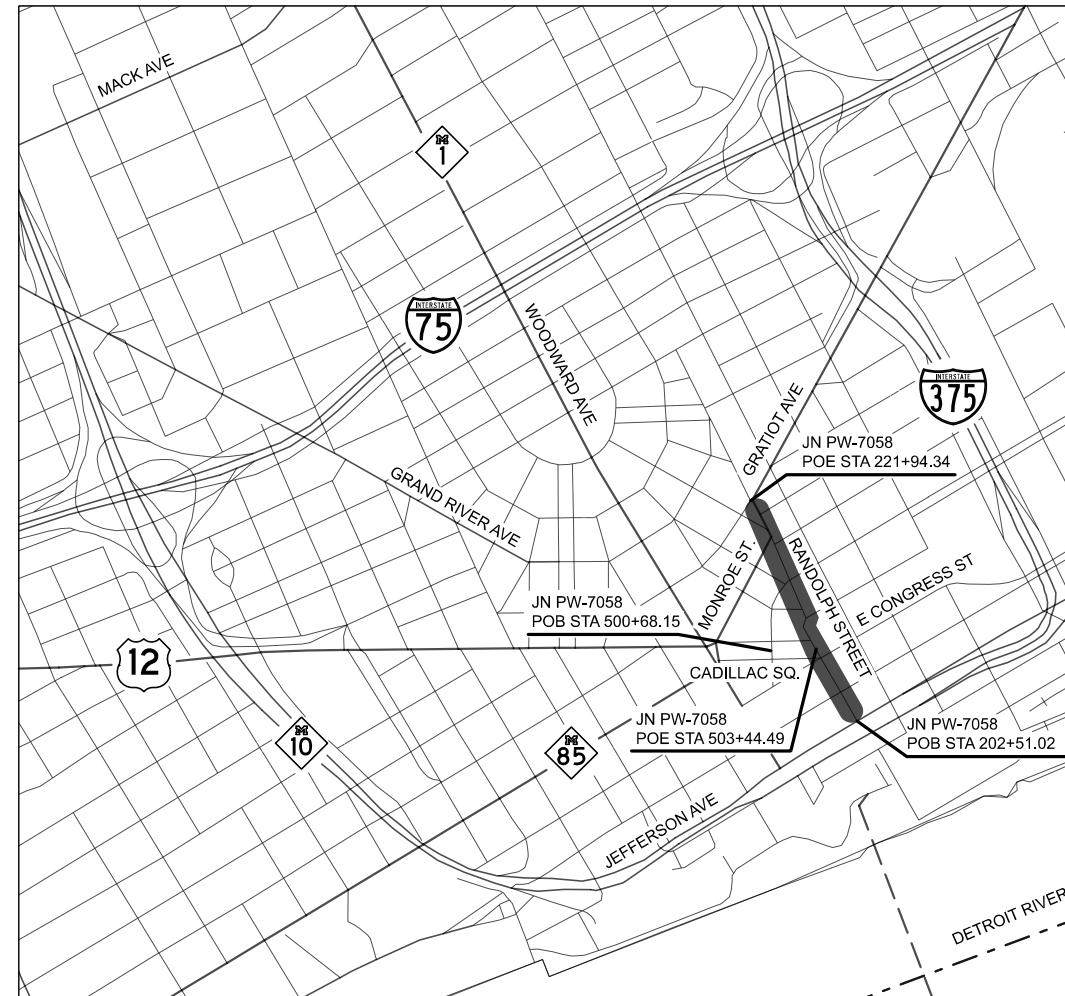
COUNTY KEY



90% PLAN SUBMITTAL

NOTES

- LOCATIONS AND DIMENSIONS ARE APPROXIMATE. THIS IS NOT A LEGAL SURVEY.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS, SPECIFICATIONS, AND ORDINANCES OF THE CITY OF DETROIT, WAYNE COUNTY, AND THE STATE OF MICHIGAN, WHERE APPLICABLE.
- THE CONTRACTOR SHALL ADHERE TO ALL SITE, LOCAL, COUNTY, AND STATE ORDINANCES GOVERNING HOURS OF OPERATION.
- THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND IMPLEMENTING THEIR OWN HEALTH AND SAFETY PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO COMPLETE THE WORK. PERMITS TO BE OBTAINED INCLUDE, BUT ARE NOT LIMITED TO, MDOOT, WAYNE COUNTY, AS APPLICABLE, PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND CONTACT MISS DIG A MINIMUM OF 3 WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT THE OWNER TO HAVE UTILITIES OUTSIDE OF THE PUBLIC RIGHT-OF-WAY IDENTIFIED AND LOCATED. THE CONTRACTOR SHALL NOT BEGIN UNDERGROUND WORK UNTIL THE SITE HAS BEEN MARKED BY REPRESENTATIVES OF ALL AFFECTED UTILITIES.
- THE CONTRACTOR SHALL PROTECT, OR HAVE RELOCATED, ANY UTILITIES THAT INTERFERE WITH THE CONSTRUCTION. UTILITIES AND ASSOCIATED STRUCTURES SHALL NOT BE REMOVED UNLESS SPECIFIED ON PLANS.
- THE CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL AND SIGNAGE, PER LOCAL UNIFORM TRAFFIC CONTROL REGULATIONS, TO MAINTAIN ACCESS TO RESIDENTIAL PROPERTIES THROUGHOUT CONSTRUCTION. PROVIDE APPROPRIATE BARRICADES AROUND WORK AREAS FOR PEDESTRIAN AND VEHICULAR SAFETY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL NECESSARY CONSTRUCTION STAKING AND GRADE ALIGNMENT CONTROLS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT GRADE AND ALIGNMENT REFERENCES BY MEANS OF STAKES, STRINGLINES, OR OTHER APPROPRIATE MEANS.
- THE CONTRACTOR SHALL USE APPROPRIATE MEANS, METHODS, AND EQUIPMENT AND TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE EXISTING SITE FEATURES, SUCH AS, BUT NOT LIMITED TO, ROAD SIGNS, DRIVES, PAVEMENT, DITCHES, MANHOLES, UNDERGROUND UTILITIES, OVERHEAD UTILITIES, CULVERTS, GATES, FENCES, UTILITY POLES, OR UTILITY MARKERS. PUBLIC OR PRIVATE. ANY SITE FEATURE DAMAGE OR DISTURBANCE THAT OCCURS AS A RESULT OF THE CONTRACTOR'S MEANS, METHODS, OR EQUIPMENT SHALL BE REPAIRED AND/OR RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE OWNER OR THE OWNER'S REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF ANY SUCH REPAIRS OR REPLACEMENTS.
- CONTRACTOR SHALL PROVIDE SUBMITTALS ON MATERIALS AND EQUIPMENT TO BE INCLUDED IN THE CONSTRUCTION PRIOR TO THE PRE-CONSTRUCTION MEETING. THE ENGINEER SHALL REVIEW SUBMITTALS TO VERIFY THAT THE MATERIALS ARE IN ACCORDANCE WITH THE SPECIFICATIONS. SUBMITTALS INCLUDE SUCH ITEMS AS PERMITS, SHOP DRAWINGS, CALCULATIONS, CUT SHEETS, AND QUALITY CONTROL CERTIFICATES.
- ALL CONSTRUCTION SHALL BE COMPLETED TO THE ELEVATIONS AS NOTED ON THE PLANS. TOLERANCES OF ±0.1 FT ARE ACCEPTABLE IN LANDSCAPED/GRAVEL AREAS. TOLERANCES OF ±0.01 FT ARE ACCEPTABLE FOR PAVEMENT AND SEWER CONSTRUCTION.



| | |
|---|--|
| PW-7058 RANDOLPH STREETSCAPE | |
| | LOCAL AUTHORITY APPROVAL CITY OF DETROIT CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS |
| APPROVED BY _____ CITY ENGINEER | DATE _____ |
| APPROVED BY _____ ENGINEERING SERVICES COORDINATOR | DATE _____ |
| PREPARED UNDER THE SUPERVISION OF _____ | |
| LICENSED PROFESSIONAL ENGINEER | |
| THE MANNIK & SMITH GROUP, INC. ORGANIZATION 607 SHELBY STREET, SUITE 300 DETROIT, MI 48226 | |
| MILES: 0.44 CONTRACT FOR: ROADWAY IMPROVEMENTS INCLUDING HMA COLD MILLING AND RESURFACING, SIGNALS, OPERATIONAL IMPROVEMENTS, DRAINAGE IMPROVEMENT, PERMANENT PAVEMENT MARKINGS, ADA RAMP AND SIDEWALK IMPROVEMENT. | |

| | | | | | | | | | | | |
|--|------|------|-------------|--|--|----------|------------------|------|---|-------------------------------|-----------------|
| FINAL ROW PLAN REVISIONS SUBMITTAL DATE: | | | | | | NO SCALE | DATE: 03/15/2023 | CS: | TITLE RANDOLPH STREET POB TO POE CADILLAC SQUARE POB TO POE | DRAWING RAND TITLE 1 | SHEET SECT 1 |
| NO. | DATE | AUTH | DESCRIPTION | | | | NO. | DATE | | | |
| | | | | | | | | | | | |

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TSC:

PUBLIC UTILITIES

The existing utilities listed below and shown on these plans represent the best information available as obtained on our surveys. This information does not relieve the contractor of the responsibility to be satisfied as to its accuracy and the location of existing utilities.

| Name Of Owner | Type Of Utility |
|--|-------------------------------------|
| AT&T Attention: Rodney Cooper Phone: (313) 310-8678 Email: rc9827@att.com | Communications |
| City of Detroit Detroit Water & Sewerage Department Contract Services Facility 6425 Huber Street, Detroit, MI 48211 General: (313) 267-4863 Fax: (313) 842-6480 | Water Mains & Sewers |
| City of Detroit Public Lighting Authority Attention: A. Benjamin Barker 400 Monroe Street, Suite 485 Detroit, MI 48226 Direct: (313) 324-8058 Office: (313) 324-8291 Email: abarker@pladetroit.org | Street Lighting and Traffic Signals |
| City of Detroit Traffic Engineering, D.P.W. Attention: Jonathan Flaint 2633 Michigan Avenue Detroit, MI 48207 General: (313) 224-1610 Fax: (313)224-1304 Direct: (313) 224-4493 flaintj@detroitmi.gov | Pavement Marking and Signs |
| Kirit Patel (313) 628-5641 patelki@detroitmi.gov | Traffic Signals |
| Comcast Cable Attention: Mike Burges Sr. Manager, Construction 25626 Telegraph Road Southfield, MI 48034 Phone: (248) 991-5183 | Communication |
| Crown Castle Attention: Kelly Klinefelter Phone: (724) 743-6085 | Communication |
| DDOT Bus Detours Attention: Geena Schofield Phone: (313) 618-2419 geesch@detroitmi.gov | Signage |
| DDOT Bus Stop Signage Attention: Kathy Kelly (KK) Phone: (313) 391-5218 kellyk@detroitmi.gov | Signage |
| Detroit Thermal Attention: Corey Grindle Phone: (313) 972-4343 cgrindle@detroitthermal.com | Steam |
| Detroit Municipal Parking Attention: Kathy Payne Phone: (313) 224-3935 | Parking Kiosk |

walkerkathy@detroitmi.com

DTE
One Energy Plaza
Detroit, MI 48226
Gas Leak 1-800-947-5000
Electrical 1-800-477-4747

Electric and Gas

Great Lakes Water Authority
6425 Huber Street,
Detroit, MI 48211
Phone: (313) 267-4857
Anupam.kumar@glwater.org

Water

ITC
Attention: Chanelle Thomas
Phone: (248) 946-3498
cthomas@itctransco.com

Electric and Gas

Lumen Fiber Optics

Communication

Detroit People Mover
Attention: Control Center
535 Griswold, Suite 400
Detroit, MI 48226
Phone: (313) 963-0171

Transit Service

City of Detroit
Downtown Detroit Partnership
1000 Woodward Avenue, Suite 380
Detroit, MI 48226
Direct: (313) 969-7444
Deshawn.singlton@downtowndetroit.org

Verizon Business
Attention: Joel Crane or Ronald Kocienski
Email: joel.crane@verizonwireless.com
Ronald.kocienski@verizonwireless.com
Asg.investigationsteam@asginc.us

Communication

NOTES APPLYING TO STANDARD PLANS

Where the following items are called for on plans, they are to be constructed according to the standard plan given below opposite each item unless otherwise indicated.

| Title | Plan No. |
|---|-------------|
| ROAD | |
| DRAINAGE STRUCTURES | R-1-G |
| FLAT TYPE GRATE AND FRAME | C-4392 * |
| CATCH BASINS "A" AND "B" AND FLAT GRATE AND FRAME | C5028 * |
| DWSD MANHOLE ERGO ASSEMBLY | 101 * |
| CATCH BASIN 5000 M4 GRATE | 102 * |
| DWSD MANHOLE 5000 FRAME | 103 * |
| DWSD MANHOLE 5000 FRAME | 104 * |
| CATCH BASIN 5000Z4 5000M4 ASSEMBLY | 105 * |
| CATCH BASIN 5000 ASSEMBLY | 107 * |
| A.D.A. CATCH BASIN 5000M5 GRATE | 109 * |
| A.D.A. CATCH BASIN 5000Z4 5000M4 ASSEMBLY | 109 * |
| A.D.A. CATCH BASIN 5000Z4 5000M5 ASSEMBLY | 110 * |
| DWSD MANHOLE ERGO COVER | 111 * |
| DWSD MANHOLE ERGO COVER | 112 * |
| DWSD MANHOLE FRAME | 113 * |
| DETAIL OF ALLEY RETURN AND DRIVE APPROACH | C-4384 * |
| HMA FEATHERING DETAIL | HFD 01 * |
| HMA APPROACH MODIFIED | HAM 01 * |
| CONCRETE VALLEY GUTTER AND URBAN FREEWAY CURB | R-33-G |
| STANDARD CURB DETAILS | C-4380 * |
| UTILITY TRENCHES | R-83-C |
| INLET PROTECTION FABRIC DROP | 015713-05 * |
| SESC, TEMPORARY FACILITIES | 015713-10 * |
| SESC, MAINTENANCE NOTES | 015713-11 * |
| SESC, GENERAL NOTES | 015713-12 * |
| SESC MEASURES (FROM 1-5) | 015713-13 * |
| SESC MEASURES (FROM 6-10) | 015713-14 * |
| SESC MEASURES (FROM 11-15) | 015713-15 * |
| SESC MEASURES (FROM 16-20) | 015713-16 * |
| SESC MEASURES (FROM 21-25) | 015713-17 * |
| SESC MEASURES (FROM 26-30) | 015713-18 * |
| SESC MEASURES (FROM 31-33) | 015713-19 * |
| SEEDING AND TREE PLANTING | R-100-1 * |
| PAVEMENT MARKINGS | |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 01 |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 02 |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 03 |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 04 |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 05 |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 06 |
| CITY OF DETROIT PAVEMENT MARKING STANDARDS | STD 07 |
| TRAFFIC SIGNALS | |
| CONDUIT DETAIL | 1101 * |
| HANDHOLE DETAILS | 1103 * |
| MULT. ST. LTG. DETAILS (TRIPLEX) | 1303 * |
| T.S. BRACKET ARM ASSEMBLY DETAILS | 1508 * |
| T.S. PEDESTAL ASSEMBLY DETAILS | 1509 * |
| T.S. BRACKET ARM ASSEMBLY DETAILS | 1510 * |
| CONTROLLER CABINET DETAILS | 1511 * |
| MISCELLANEOUS TRAFFIC SIGNAL DETAILS | 1512 * |
| TS MAST ARM POLE AND MAST ARM LOADING TABLE AND DESIGN CRITERIA | SIG-030-A * |
| TS MAST ARM POLE AND MAST ARM DETAILS - CATEGORY II | SIG-032-A * |
| TRAFFIC SIGNAL MAST ARM STANDARD | SIG-040-A * |

| | |
|---|------------------------|
| FOUNDATIONS | |
| TS MAST ARM STANDARD FOUNDATIONS | SIG-040-B * |
| STEEL TRUSS BRACKETS | SIG-060-A * |
| PEDESTAL FOUNDATION | SIG-070-A * |
| UNDERGROUND SERVICE METERED AND UNMETERED | SIG-210-B * |
| SECONDARY SERVICE FOR STREET LIGHTING AND STREET NAME SIGNS | SIG-220-A * |
| LIGHTING PROTECTION DETAIL | SIG-231-A * |
| HANDHOLE- PRECAST, POLYMER CONCRETE | SIG-240-A * |
| MAST ARM MOUNTED TS BRACKET ASSEMBLY | SIG-301-A * |
| BRACKETING FOR 5- SECTION HEADS | SIG-302-A * |
| TRAFFIC SIGNAL BACKPLATES | SIG-304-A * |
| PEDESTRIAN PUSH BUTTON DETAILS | SIG-400-A * |
| HEMISPHERICAL VIDEO DETECTION SYSTEM | SIG-431-A * |
| WAYNE COUNTY TRAFFIC SIGNALS | |
| COLOR CODE WIRING / EQUIPMENT GROUNDING | WC-026-A * |
| COLOR CODE FOR WIRING CONNECTING SIGNAL LAMPS | WC-026-B * |
| SIGNING | |
| STANDARD SIGN INSTALLATIONS | SIGN-100-G |
| ROADSIDE SIGN LOCATIONS & SUPPORT SPACING | SIGN-120-E |
| ALL WAY STOP AND CROSS TRAFFIC DOES NOT STOP CONDITIONS | SIGN-145-A |
| SIGN SUPPORT SELECTION CHARTS | SIGN-150-D |
| STEEL POSTS | SIGN-200-E |
| WORK ZONES | |
| TYPICAL NUMBERING KEY | 100-GEN-KEY |
| "B", "D" AND "L" TABLES, CHANNELIZING DEVICE SPACING, SIGN BORDER KEY, AND ROLL-AHEAD SPACING | 101-GEN-SPACING-CHARTS |
| TRAFFIC CONTROL TYPICALS NOTE SHEET | 102-GEN-NOTES |
| TRAFFIC CONTROL TYPICALS SIGN SHEET | 103-GEN-SIGN |
| 1 RIGHT LANE CLOSURE ON A 4-LANE UNDIVIDED ROADWAY | 123-NFW-1LC-(R) |
| 2-LANE CLOSURE (INSIDE LANES) ON A 4-LANE UNDIVIDED ROADWAY | 125-NFW-2LC-(IN) |
| GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS | WZD-100-A * |
| TEMPORARY TRAFFIC CONTROL DEVICES | WZD-125-E * |
| * Denotes Special Detail | |

MISCELLANEOUS QUANTITIES

The following items of work shall be done as they apply throughout the project. These items are not detailed or included on the plan sheets.

PW-7058

| | | |
|-------|------|--|
| 1 | LSUM | Mobilization, Max Non Haz Contaminated Material Handling and Disposal, |
| 20 | Cyd | LM |
| 20 | Cyd | Subgrade Undercutting, Type II |
| 48 | Ea | Erosion Control, Inlet Protection, Fabric Drop |
| 1 | LSUM | Project Cleanup |
| 5 | Ea | Dr Structure Cover, Adj, Case 1, Modified |
| 5 | Ea | Dr Structure, Temp Lowering |
| 5 | Ft | Dr Structure Lead, Cleaning, Modified |
| 5 | Ea | Dr Structure, Cleaning, Modified |
| 1 | LSUM | Pavt, Cleaning |
| 13275 | Dir | HMA Quality Initiative |
| 8212 | Dir | Longit Joint Density Quality Initiative |
| 20 | Ton | Hand Patching |
| 75 | Ton | Conditioning Existing Pavement, Modified |
| 1980 | Sft | Membrane, Preformed Waterproofing, Special |
| 220 | Syd | Hand Chipping Conc, Special Exploratory HMA Ovly and Waterproofing Membrane, |
| 440 | Syd | Rem |
| 458 | Sft | Rem Spec Mrkg Barricade, Type III, High Intensity, Double Sided, Lighted, Furn |
| 22 | Ea | Barricade, Type III, High Intensity, Double Sided, Lighted, Oper |
| 22 | Ea | Pedestrian Type II Barricade, Temp |
| 24 | Ea | Channelizing Device, 42 inch, Fluorescent, Furn |
| 406 | Ea | Channelizing Device, 42 inch, Fluorescent, Oper |
| 406 | Ea | Channelizing Device, 42 inch, Fluorescent, Oper |
| 1 | LSUM | Minor Traf Devices |
| 236 | Ea | Plastic Drum, Fluorescent, Furn |
| 236 | Ea | Plastic Drum, Fluorescent, Oper |
| 1 | LSUM | Traf Regulator Control |
| 1 | LSUM | Contractor Staking |
| 33 | Hr | Staking Plan Errors and Extras, Max \$180/hour |
| 1 | LSUM | Grounding, Bonding, and Surge Protection |



SHEET INDEX

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FUNDING CATEGORIES

PW-7058 – RANDOLPH STREETSCAPE
Category 001 – Roadwork City of Detroit

PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

| | | | | | | | | | | | | | |
|---|------|------|-------------|-----|------|---|---|----------|------------------|-------------|---------------------------|----------------------|-------------|
| FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:) | | | | | |  |  | NO SCALE | DATE: 03/15/2024 | CS: | PROJECT INFORMATION SHEET | DRAWING | SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | | | | AUTH | DESCRIPTION | | DESIGN UNIT: DETROIT | JN: PW-7058 |
| FILE: DETR0062_Proj_001.doc | | | | | | | | | TSC: | | | | |

SURVEY

GENERAL

- △ CP ALIGNMENT POINT MONUMENT
- ⊗ MONUMENT BOX

CONTROL

- △ CP CONTROL POINT
- BM BENCHMARK
- △ REFERENCE - GPS
- △ REFERENCE - NGS
- + REFERENCE - USGS

BOUNDARY

- CITY LIMIT - MAP
- CITY LIMIT
- PARCEL - LEGAL
- PARCEL - NON-LEGAL
- PLAT - LEGAL
- PLAT - NON-LEGAL
- ROW - FREE ACCESS
- ROW - LIMITED ACCESS
- SECTION LINE
- SECTION LINE - QUARTER
- SECTION LINE - EIGHTH
- SECTION LINE - SIXTEENTH
- TOWNSHIP LINE (MAP)
- ⊠ CONCRETE MONUMENT
- CONTIGUOUS PROPERTY SYMBOL
- ⊗ PARCEL CORNER - CAPPED IRON
- ⊙ PARCEL CORNER - IRON PIN
- ⊙ PARCEL CORNER - IRON PIPE
- PARCEL CORNER - NO ID
- 123456 PARCEL NUMBER BOX
- ⊠ PLAT CORNER
- PROPERTY OWNERSHIP ARROW
- PROPERTY OWNERSHIP ARROW - DOUBLE
- ROW MONUMENT
- ⊕ SECTION CORNER - CENTER
- ⊕ SECTION CORNER - MEANDER
- ⊕ SECTION CORNER - QUARTER
- ⊕ SECTION CORNER - QUARTER-HALF
- ⊕ SECTION CORNER - SECTION
- ⊕ SECTION CORNER - SECTION-HALF
- ⊕ SECTION CORNER - SIXTEENTH
- ⊕ SECTION CORNER - WITNESS

MONUMENT PRESERVATION

- PRESERVE MONUMENT
- PROTECT MONUMENT

GENERAL LABELING

GENERAL

- LEFT TURN ARROW
- RIGHT TURN ARROW
- TRAFFIC FLOW ARROW

REMOVAL

- (A) ABANDON
- (B) BULKHEAD
- (C) CLEARING
- (R) REMOVE
- (SALV) SALVAGE
- (S) SAVE

CONSTRUCTION

- (ADJ) ADJUST
- (ADJ-B) ADJUST - STRUC COVER WITH TYPE
- (ADJ-B/O) ADJUST - BY OTHERS

REMOVAL AND CONSTRUCTION

- (REL-1) RELOCATE - WITH CASE NUMBER
- (REL-B/O) RELOCATE - BY OTHERS

CONSTRUCTION LIMITS

- SSL SLOPE STAKE LINE

BORINGS

- ⊗ BH# BORING

STRUCTURES

- BEAM UNDERCLEARANCE
- REFERENCE POINT
- S01 OF 12345 STRUCTURE NO. + CONTROL SEC. LABEL

VEGETATION

- BRUSH LINE
- HEDGE LINE
- TREE LINE - CANOPY OR TRUNK
- TREE LINE - TRUNK
- TRUNK LINE
- ⊗ SHRUB
- ☆ TREE - CONIFER
- ⊗ TREE - DECIDUOUS
- ⊗ TREE - STUMP

ENVIRONMENTAL

- EROSION CONTROL - SILT FENCE
- WETLAND - LEGAL
- WETLAND - NON-LEGAL
- ⊗ CONTAMINATION - MONITORING WELL
- (12) EROSION CONTROL NUMBER
- EROSION CONTROL - RIPRAP
- W.T. 12' WATER TABLE - PLAN NOTE
- WETLAND - SPOT EL
- POTENTIALLY CONTAMINATED SITE

ROADSIDE / SITE

- ⊗ ANTENNA
- ⊗ BIG ROCK
- ⊗ FLAG POLE
- ⊗ PICNIC STOVE
- ⊗ PICNIC TABLE
- ⊗ SATELLITE DISH

PRELIMINARY

03/15/2024

PLANS SUBJECT TO CHANGE

NOTE:

EXISTING ITEMS ARE REPRESENTED BY THIN LINE WEIGHTS.
PROPOSED ITEMS ARE REPRESENTED BY HEAVIER LINE WEIGHTS.

RAILROAD

- TRACK
- ⊗ CROSSING - GATE
- RR CROSSING - SIGNAL BOX
- ⊗ CROSSING - SIGNAL FLASHING
- X CROSSING - SYMBOL

SIGNS

- TT POST - DOUBLE
- T POST - SINGLE
- STRUCTURE - CANTILEVER (EXISTING)
- STRUCTURE - CANTILEVER
- STRUCTURE - TRUSS (EXISTING)
- STRUCTURE - TRUSS
- SSS SUSPENDED (EXISTING)

MAINTAINING TRAFFIC

- |— TYPE III BARRICADE
- CHANNELIZING DEVICE - CONE
- CHANNELIZING DEVICE - DRUM
- ⊗ LIGHT - HIGH INTENSITY TYPE B
- LIGHT - STEADY BURN TYPE C
- LIGHTED ARROW PANEL - BAR
- LIGHTED ARROW PANEL
- PORTABLE CHANGEABLE MESSAGE SIGN
- ⊗ TRAFFIC REGULATOR
- T TEMPORARY SIGN
- TEMPORARY SPEED RADAR TRAILER
- TEMPORARY TRAFFIC SIGNAL

BARRIERS

- CABLE BARRIER - NOT TO SCALE
- CABLE BARRIER - TRUE SCALE
- CONCRETE BARRIER - DOUBLE FACE
- CONCRETE BARRIER - SINGLE FACE
- X—X—X—X—X—X FENCE
- GUARDRAIL - NOT TO SCALE
- GUARDRAIL - TRUE SCALE
- NOISE BARRIER
- ◇ FENCE POST
- 123 GUARDRAIL RUN NUMBER
- IMPACT ATTENUATOR
- ⊗ POST - MAILBOX
- POST - NO ID

SURFACING

REMOVAL

- CONCRETE RUBBLIZING OR HMA CRUSH & SHAPE
- HMA COLDMILLING
- HMA SURFACE REMOVAL AND / OR PAVEMENT REMOVAL
- BRICK PAVER, REMOVAL

PROPOSED

- AGGREGATE APPROACH
- BRIDGE APPROACH
- HMA APPROACH
- MISCELLANEOUS CONCRETE

SIDEWALK & CURB RAMPS

- SIDEWALK REMOVAL
- CONCRETE CURB RAMP
- CONCRETE LANDING
- CR-F CURB RAMP TYPE
- DETECTABLE WARNING SURFACE

TYPICAL SECTION

- CONCRETE - PROPOSED
- HMA - PROPOSED

CURB & GUTTER

- CURB & GUTTER REMOVAL

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:

| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
|-----|------|------|-------------|-----|------|------|-------------|
| | | | | | | | |



NO SCALE

FILE: DETR0062_Legend_001.dgn

DATE: 03/15/24

DESIGN UNIT: DETROIT

TSC:

CS:

JN: PW-7058

LEGEND

RANDOLPH ST STA POB TO STA POE
CADILLAC SQ STA POB TO STA POE

DRAWING SHEET

RAND LEGEND 1 SECT 1

UTILITIES

COMBINED SEWER

- COMBINED SEWER
- COMBINED SEWER - OUT OF SERVICE
- COMBINED SEWER - TO BE TAKEN OUT OF SERVICE
- COMBINED SEWER - TO BE REMOVED

COMMUNICATION

- FIBER OPTIC
- FIBER OPTIC - OUT OF SERVICE
- FIBER OPTIC - OVERHEAD
- FIBER OPTIC MARKER
- CABLE
- CABLE - OUT OF SERVICE
- CABLE - OVERHEAD
- CABLE MARKER
- CABLE PEDESTAL
- TELEPHONE
- TELEPHONE - OUT OF SERVICE
- TELEPHONE - OVERHEAD
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL

FUEL / PETROLEUM

- GASOLINE FILLER PIPE
- GASOLINE PUMP
- GASOLINE UNDERGROUND TANK
- PETROLEUM PIPELINE
- PETROLEUM PIPELINE - OUT OF SERVICE
- PETROLEUM PIPELINE MARKER
- PETROLEUM WELL
- PROPANE TANK

NATURAL GAS

- GAS LINE
- GAS LINE - OUT OF SERVICE
- MARKER
- VALVE
- WELL

SANITARY SEWER

- MANHOLE WITH COVER (DIA VARIES)
- SEWER
- SEWER - OUT OF SERVICE
- SEWER - TO BE TAKEN OUT OF SERVICE
- SEWER - TO BE REMOVED

WATER

- FIRE HYDRANT
- GATE VALVE AND BOX
- GATE VALVE IN WELL
- IRRIGATION CONTROL VALVE
- IRRIGATION SPRINKLER HEAD
- SERVICE METER
- SERVICE SHUTOFF
- WATER WELL
- IRRIGATION
- WATER MAIN
- WATER MAIN - OUT OF SERVICE
- WATER MAIN - TO BE TAKEN OUT OF SERVICE
- WATER MAIN - TO BE REMOVED

STEAM

- STEAM
- STEAM - OUT OF SERVICE

GENERIC EXISTING UTILITIES

- CATCH BASIN COVER
- MANHOLE COVER
- MARKER
- PEDESTAL
- SEWER CLEANOUT ACCESS
- STRUCTURE BOTTOM (DIA VARIES)
- UTILITY BOX
- UTILITY

DRAINAGE

- CATCH BASIN W/ COVER (DIA VARIES)
- DRAINAGE STRUCTURE NUMBER
- DRAIN CASTING
- DROP INLET
- END SECTION (SIZE VARIES)
- FLOW DIRECTION ARROW
- HEADWALL (SIZE VARIES)
- MANHOLE W/ COVER (DIA VARIES)
- MANHOLE BASE W/ COVER (SIZE VARIES)
- MANHOLE TEE W/ COVER (SIZE VARIES)
- OUTLET HEADWALL (SIZE VARIES)
- CULVERT - EXISTING
- CULVERT (SIZE VARIES)
- DITCH CENTERLINE
- STORM SEWER - EXISTING
- STORM SEWER
- STORM SEWER - TO BE REMOVED
- STORM SEWER - TO BE ABANDONED
- UNDERDRAIN
- WATER EDGE

NOTE:

EXISTING ITEMS ARE REPRESENTED BY THIN LINE WEIGHTS.
PROPOSED ITEMS ARE REPRESENTED BY HEAVIER LINE WEIGHTS.

PRELIMINARY

03/15/2024

PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | SUBMITTAL DATE: | | | | |
|--------------------------|------|------|-----------------|-----|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



NO SCALE

FILE: DETR0062_Legend_002.dgn

DATE: 03/15/24

DESIGN UNIT: DETROIT

TSC:

CS:

JN: PW-7058

LEGEND








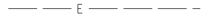

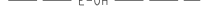




RANDOLPH ST STA POB TO STA POE

CADILLAC SQ STA POB TO STA POE












DRAWING SHEET

RAND LEGEND 2 SECT 1















ELECTRICAL

-  CONTROLLER CABINET - PAD MOUNTED
-  HANDHOLE
-  MANHOLE
-  POLE UTILITY - EXISTING
-  POLE UTILITY
-  TRANSFORMER - PAD MOUNTED
-  TRANSFORMER - POLE MOUNTED
-  CABLE
-  CABLE - TO BE REMOVED
-  CABLE OVERHEAD
-  CABLE OVERHEAD - TO BE REMOVED
-  CABLE IN CONDUIT
-  CABLE IN CONDUIT - TO BE REMOVED
-  CABLE IN CONDUIT - DIRECTIONAL BORE























ARCHITECTURAL










































-  EXIT SIGN WITH EMERGENCY LIGHT
-  LIGHT RECESSED FIXTURE
-  MOTOR
-  OUTLET BOX
-  OUTLET SINGLE
-  OUTLET TELEPHONE
-  SERVICE DISCONNECT
-  SERVICE METER
-  SWITCH
-  SWITCH THREE WAY
-  WALL BRACKET FIXTURE

LIGHTING










-  CONTROL PANEL - EXISTING
-  CONTROL PANEL
-  LIGHT STANDARD EXISTING - TO BE REMOVED & SALVAGED
-  LIGHT STANDARD DOUBLE ARM - EXISTING
-  LIGHT STANDARD DOUBLE ARM
-  LIGHT STANDARD POST TOP - EXISTING
-  LIGHT STANDARD POST TOP
-  LIGHT STANDARD SINGLE ARM - EXISTING
-  LIGHT STANDARD SINGLE ARM
-  LIGHT POLE - TEMPORARY
-  LUMINAIRE WALL MOUNTED UNDERBRIDGE - EXISTING
-  LUMINAIRE WALL MOUNTED UNDERBRIDGE
-  TOWER LIGHTING UNIT - EXISTING
-  TOWER LIGHTING UNIT

ITS / SIGNALS

-  DYNAMIC MESSAGE SIGN - EXISTING
-  DYNAMIC MESSAGE SIGN
-  ENVIRONMENTAL SENSOR STATION SITE
-  FIBER OPTIC SPLICE CABINET
-  HANDHOLE, ROUND, 3 FOOT DIAMETER
-  HANDHOLE, ROUND, COMMUNICATIONS
-  HANDHOLE, ROUND, ELECTRIC
-  HANDHOLE, TYPE D
-  ITS CABINET - EXISTING
-  ITS CABINET
-  MICROWAVE VEHICLE DETECTION SYSTEM - EXISTING
-  MICROWAVE VEHICLE DETECTION SYSTEM
-  MICROWAVE VEHICLE DETECTION SYSTEM ZONE COVERAGE - EXISTING
-  MICROWAVE VEHICLE DETECTION SYSTEM ZONE COVERAGE
-  SPUN CONCRETE POLE - EXISTING
-  SPUN CONCRETE POLE
-  SURVEILLANCE SYSTEM - EXISTING
-  SURVEILLANCE SYSTEM
-  WIRELESS LINK - EXISTING
-  WIRELESS LINK
-  ITS COMMUNICATIONS CABLE IN CONDUIT
-  ITS COMMUNICATIONS CABLE IN CONDUIT - TO BE REMOVED

-  ANTENNA
-  CASE SIGN (1-WAY OR 2-WAY)
-  CASE SIGN (4-WAY)
-  DEDICATED SHORT RANGE COMMUNICATIONS
-  CONTROLLER CABINET - POLE MOUNTED
-  CONTROL EMERGENCY PREEMPTION OPTICOM
-  DILEMMA ZONE DETECTION
-  GLOBAL POSITIONING SYSTEM MODULE
-  GUY ANCHOR
-  PEDESTRIAN PEDESTAL
-  PEDESTRIAN PUSHBUTTON
-  POLE MAST ARM (LENGTH VARIES) - EXISTING
-  POLE MAST ARM (LENGTH VARIES)
-  POLE STRAIN
-  ROAD SIGN W/ FLASHING SIGN OPTICAL (1-WAY)
-  SIGNAL HANDHOLE - POLYMER CONCRETE
-  SIGNAL HANDHOLE - 2 FOOT ROUND
-  SIGNAL HANDHOLE - 3 FOOT ROUND
-  SIGNAL HANDHOLE - 2 FOOT SQUARE
-  SIGNAL HANDHOLE - 4 FOOT SQUARE
-  SIGNAL HEAD PEDESTRIAN - EXISTING
-  SIGNAL HEAD PEDESTRIAN 1-WAY
-  SIGNAL HEAD PEDESTRIAN 2-WAY
-  SIGNAL HEAD VEHICLE 1-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 2-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 3-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 4-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 1-WAY
-  SIGNAL HEAD VEHICLE 2-WAY
-  SIGNAL HEAD VEHICLE 3-WAY
-  SIGNAL HEAD VEHICLE 4-WAY
-  SIGNAL HEAD VEHICLE BAGGED
-  SIGNAL HEAD VEHICLE PROGRAMMABLE
-  VEHICLE DETECTION CAMERA
-  VEHICLE DETECTION CAMERA - HEMISPHERICAL
-  VEHICLE DETECTION LOOP
-  VEHICLE DETECTION - RADAR
-  WIRELESS VEHICLE DETECTION RADIO RECEIVER
-  WIRELESS VEHICLE DETECTION RADIO REPEATER
-  WIRELESS VEHICLE DETECTION SENSOR - EXISTING
-  WIRELESS VEHICLE DETECTION SENSOR


CABLING / WIRING DIAGRAM

-  CIRCUIT BREAKER
-  COILED WIRE
-  FUSE
-  FUSE SWITCH
-  GROUND
-  ILLUMINATED CASE SIGN
-  METER
-  SERVICE DISCONNECT
-  SIGNAL HEAD


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

NOTE:
EXISTING ITEMS ARE REPRESENTED BY THIN LINE WEIGHTS.
PROPOSED ITEMS ARE REPRESENTED BY HEAVIER LINE WEIGHTS.

| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | | | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | |
| | | | | | | | | | | | |



Mannik Smith GROUP
TECHNICAL SKILL. CREATIVE SPIRIT.



City of Detroit

NO SCALE

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

LEGEND
RANDOLPH ST STA POB TO STA POE
CADILLAC SQ STA POB TO STA POE

DRAWING SHEET
RAND LEGEND 3 SECT 1

GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

Contact MISS DIG System, Inc. for the protection of underground utilities and in conformance with MCL 460.721 et seq, by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 working days prior to excavating, excluding weekends and holidays.

SURVEY

PRESERVATION OF BOUNDARY MONUMENTS

Preserve all corners within the project limits, whether shown or not. Adjust monument boxes as required.

OLD PLANS

OLD ROAD PLANS

The following old road plans were referred to in the design of this project.
82072 - C6 C7 C8 82-141 C6 C7 C8 L-55-6-5A (1954) –

82072 - C8 82-141 L-55-C-5B– Randolph St widening alteration to water board bldg. parking garage

Concrete Base Course and Bituminous Concrete Construction
82072-78780 (2004) - HMA overlay, curb and sidewalk repair

DETAILED GRADES

GRADES FOR INTERSECTIONS

Determine intersection grades before construction is started.

SIGNALIZED SIDE ROAD TO TRUNKLINE INTERSECTIONS:
Carry the normal edge of pavement grade of the trunkline across the intersection whenever possible. Establish the side road approach grade and crown to provide drainage and suitable rideability.

UNSIGNALIZED SIDE ROAD TO TRUNKLINE INTERSECTIONS:
Carry the normal edge of pavement grade of the trunkline across the intersection and establish the side road approach grade and crown to provide drainage.

SIDEWALK AND CURB RAMP GRADES

After staking the sidewalk and curb ramps contact the Engineer to verify the grades and authorize construction.

EARTHWORK

EARTHWORK

Earthwork quantities are computed by the average end area method based upon ground survey information.

EARTH DISTURBANCE LIMITS

Limit earth disturbance to 10' beyond the slope stake line or to the ROW line whichever is less. The plans include restoration measures for the approved areas of disturbance. Submit an earth change plan to the Engineer to review and approve for any work beyond the approved areas of disturbance. Costs for obtaining and executing an approved earth change plan, including restoration are the Contractor's responsibility.

SOIL EROSION MEASURES

Place appropriate soil erosion and sedimentation control measures prior to earth-disturbing activities. Place turf establishment items as soon as possible on potential erodible slopes as directed by the Engineer.

BASES

AGGREGATE BASE

Use aggregate 21AA for aggregate bases unless otherwise specified.

DRAINAGE

ILLICIT CONNECTIONS TO STORM WATER SYSTEM

Reconnect existing storm conveyance systems not shown on the plans with minimal interruption in service. Report any suspect illicit discharge observed including size, type, and location by station and offset to the Engineer prior to reconnecting and proceed as directed.

TEMPORARY BULKHEADS

Use temporary bulkheads as needed for part width construction of culverts and sewers. Costs associated with temporary bulkheads are included in the items for the culverts and sewers.

PAVEMENT

SOIL BORINGS AND/OR PAVEMENT CORES

The soil boring logs and/or pavement cores represent point information. No inference should be made that subsurface or pavement conditions are the same at other locations.

CONCRETE HAND FINISHING

Strike off, consolidate, and hand finish concrete pours using hand methods on variable width lanes and lanes formed by flexible forms for short radius curves, as directed by the Engineer.

SIGNS

EXISTING SIGN RELOCATION

Salvage and reset any permanent signs requiring relocation due to Contractor operations at locations designated by the Engineer. Replace signs and posts damaged during the removal and storage operations with new signs and posts. The cost of this work is the Contractor's responsibility.

PLAN SCALE

The final plans submitted with the proposal are not to scale. Fabricate proposed signs and structures shown on plan sheets in accordance with Typical Plans, Standards, and/or Details at locations described.

SIGN LAYOUT

Use the current English edition of "Standard Highway Signs" manual or details in plans for proposed sign layouts. Use the "SignCAD" software to determine the legend length.

SHEETING

Splice sheeting used for Type I signs with a 3-inch overlap.

SIGN INSTALLATION

Place nylon washers between the steel washer and the sign face sheeting. The nylon washers are to be considered part of the attaching devices and hardware. Use nylon washers with have a 3/8-inch inner diameter, a 7/8-inch outer diameter and a 1/16-inch thickness.

SIGNALS

MAINTAINING AGENCY CONTACT INFORMATION

- MDOT - Statewide Signal Shop: (517-242-1486)
- Traffic Engineering Division: Kirit Patel (313) 628-5641

NOTIFICATIONS TO MAINTAINING AGENCIES

Contact MDOT (and any other maintaining agency) seven working days prior to start of construction and seven working days prior to signal activation.

CONTINUOUS TRAFFIC SIGNAL OPERATION

Place proposed traffic signal into operation at time of removal of existing traffic signal facilities. Contact MDOT (and any other maintaining agency) if unable to maintain the traffic signal in an operable condition at all times.

UNDERGROUND UTILITY SEPARATION

Maintain a minimum clearance of 3'-6" horizontal & 1'-0" vertical between proposed facilities & existing underground water facilities.

SIGNAL EQUIPMENT DISPOSAL

Disposal of all traffic signal equipment is included in the removal pay items and includes the following:

- Notification to MDOT (and any other maintaining agency) that traffic signal equipment is being removed.
- Temporary storage of equipment in a dumpster on site (or as directed by the Engineer) allowing MDOT (and any other maintaining agency) 48 hours to salvage any equipment.
- Proper disposal of any equipment containing environmentally sensitive materials (mercury relay switches for example)
- Disabling or destruction of all remaining equipment to the satisfaction of the engineer such that it cannot be reused or resold.
- Proper disposal of all remaining equipment.

PLAN DEVIATIONS DURING CONSTRUCTION

Obtain approval from the MDOT Traffic Signals Unit in Lansing, MI; (517-881-0187) prior to changing the plan location of supporting structures, signal head placement or traffic signal equipment.

POLE BAND CLAMP ACCEPTANCE

The current basis of acceptance for this material is now part of the QPL (Qualified Products List). This can be found in the Materials Acceptance Requirements table, published in the MQAP and repeated for convenience in the Materials Service Guide.

SIGNAL HEAD LANDING POINT

Ensure each traffic signal head assembly has its own landing point with all neutrals connected together with a metal type jumper.

PROJECT SPECIFIC NOTES

EROSION CONTROL PROGRAM

The General Services Department (GSD) is an Authorized Public Agency (APA) entity and has been granted the by the State of Michigan the privilege to undertake earth change activities without having to obtain Soil Erosion and Sedimentation Control (SESC) permit. The contractor shall comply with the provisions of the State of Michigan's SESC law and requirements. The contractor shall follow the GSD APA Procedures, create the required soil erosion control plans, and obtain plan approval from the GSD Project Manager or GSD Acting Official APA Contact.

If the City of Detroit receives any SESC violation notice and/or fines associated with this project, the contractor must correct any violation within 24 hours of receiving notice from the GSD. The contractor shall hold the City harmless by paying for all SESC fines associated with the project.

EXISTING PARKING METERS

The contractor must coordinate with Municipal Parking for removal and reinstallation of parking meters.

BUS STOP ACCESS

Contractor to preserve access to bus stops during construction in accordance with Special Provision for 6Temporary Bus Stop to be found in construction specifications.

BUS STOP SIGNS

Where permanent bus stop signs will be removed during construction, DDOT will remove and store signage. Contractor shall provide temporary orange sign reading "TEMP BUS STOP" to mark bus stop locations during construction (e.g. WZ0-11 temporary bus stop typical from MDOT Work Zone Sign Manual), to be placed prior to removal of permanent signs. DDOT will reinstall permanent bus stop signage per the plans when construction is completes. Bus stop sign that will not be disturbed during construction shall be preserved in place, and bagged by Contractor if not in service. Contractor shall be responsible for the replacement cost of any permanent signs lost or damaged during construction.



TRASH RECEPTACLES

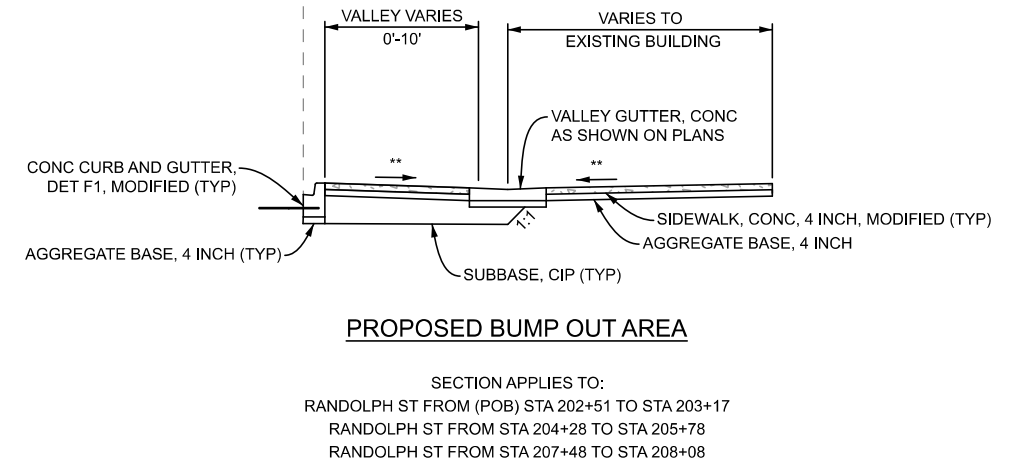
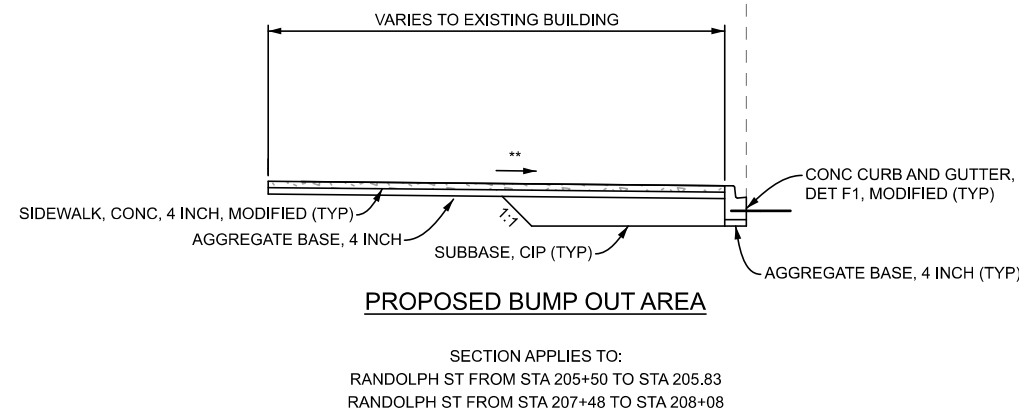
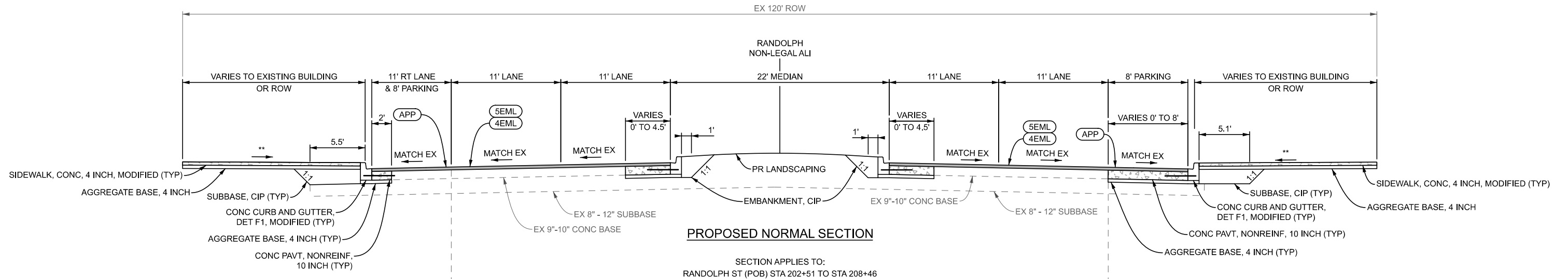
For the removal and resetting of trash receptacles, the contractor must reach out to the representative of the Downtown Detroit Partnership.

PRELIMINARY

03/15/2024

PLANS SUBJECT TO CHANGE

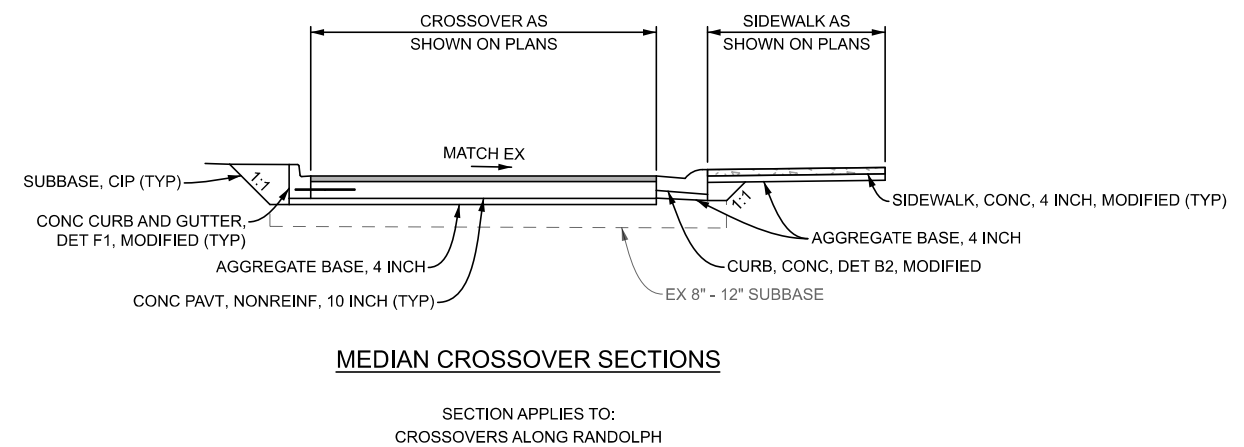
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | RANDOLPH STREETScape | | RAND NOTE 001 | SECT 1 | | |
| | | | | | | | | FILE: DETR0062_Note_001.doc | TSC: | | | | | | | | | |



HMA APPLICATION ESTIMATE

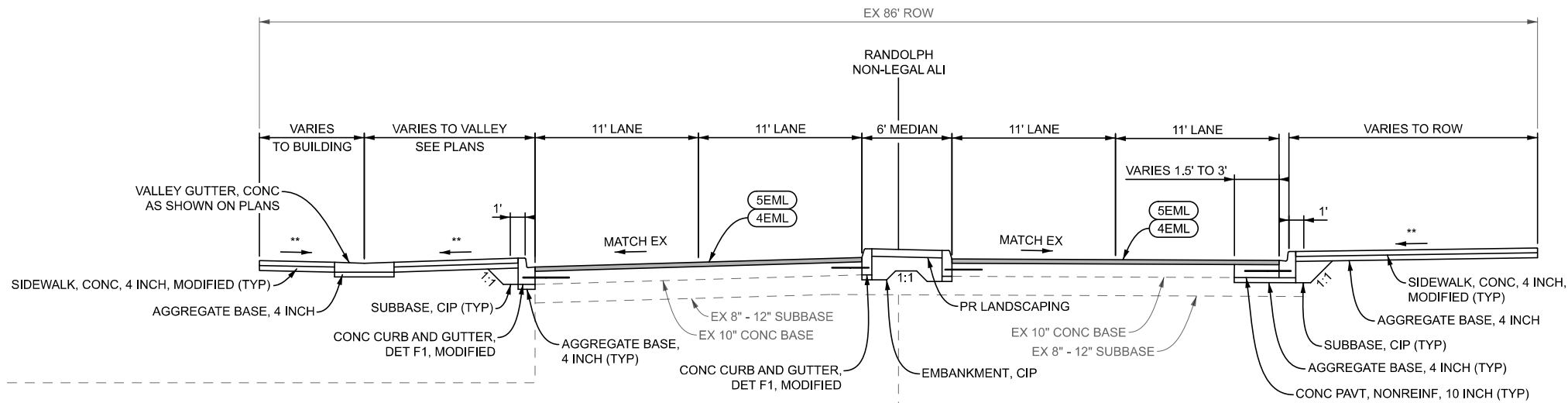
| IDENT NO. | ITEM | RATE LBS PER SYD | PERFORMANCE GRADE | REMARKS |
|-------------|------------------------|------------------|-------------------|---|
| 5EML | HMA, 5EML | 165 | 70-22P | TOP COURSE, AWI=260 |
| 4EML | HMA, 4EML | 220 | 70-22P | LEVELING COURSE |
| APP | HMA APPROACH, MODIFIED | 165 | 70-22P | TOP COURSE - 5EML, AWI=260 |
| | | 220 | 70-22P | LEVELING COURSE - 4EML |
| HP | HAND PATCHING | 0-660 | 64-22 | USE HMA, 5EML - LEVELING COURSE OVER CONCRETE PAVEMENT AT CURB LINE PLACE IN MAX. LIFTS OF 220 LB/SYD. USE 0-660 RATE AS DIRECTED BY ENGINEER |
| WE | HMA, WEDGING | VARIES | 64-22 | USE 5EML FOR WEDGING. PLACE IN MAX. LIFTS OF 220 LB/SYD. USE 0-660 RATE AS DIRECTED BY ENGINEER |
| * BOND COAT | | 0.05-0.15 GAL | | |

* FOR INFORMATION ONLY



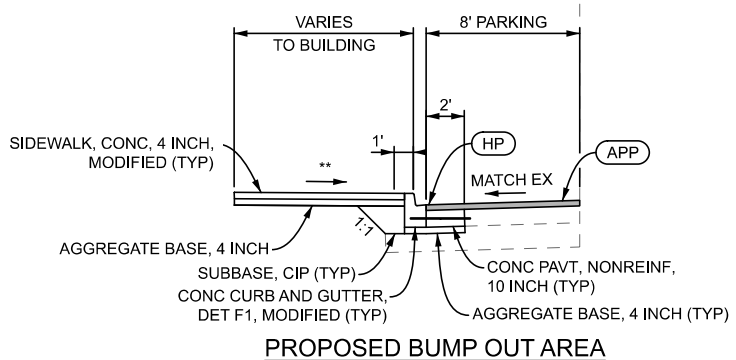
PRELIMINARY
03/08/2024
PLANS SUBJECT TO CHANGE

** SEE DETAIL GRADE SHEET
SEE GRADING SHEET FOR ROAD GRADES



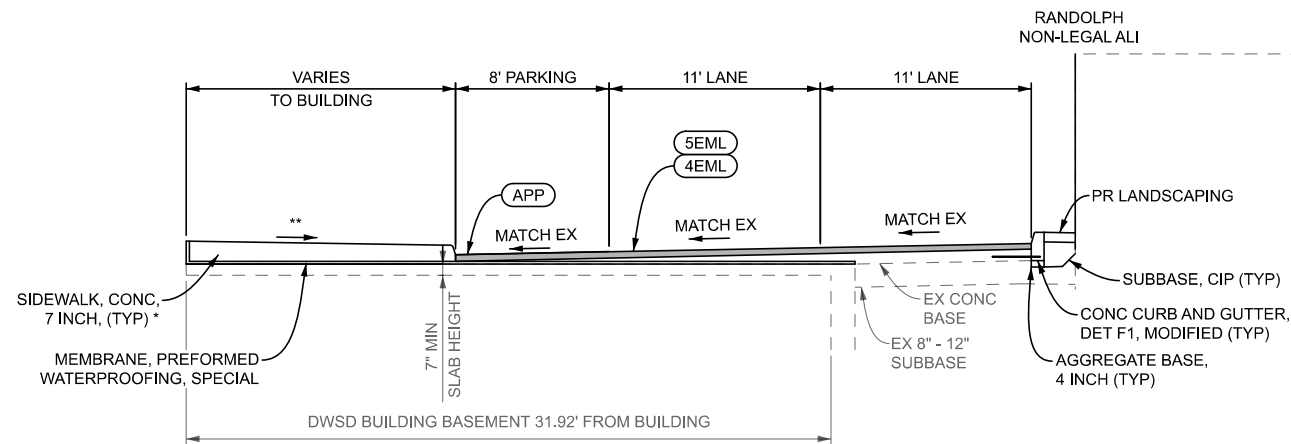
PROPOSED MEDIAN SECTION

SECTION APPLIES TO:
RANDOLPH ST FROM STA 212+88 TO STA 217+49.70



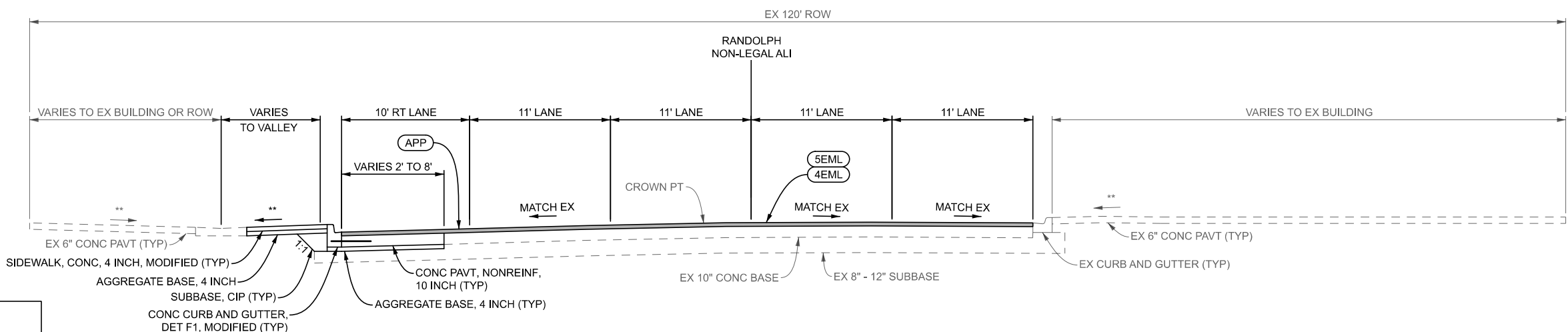
PROPOSED BUMP OUT AREA

SECTION APPLIES TO:
RANDOLPH ST FROM STA 213+71 TO STA 214+41
RANDOLPH ST FROM STA 216+28 TO STA 217+50



DWS BUILDING SECTION

SECTION APPLIES TO:
RANDOLPH ST STA 213+59 TO STA 214+69



PROPOSED NORMAL SECTION

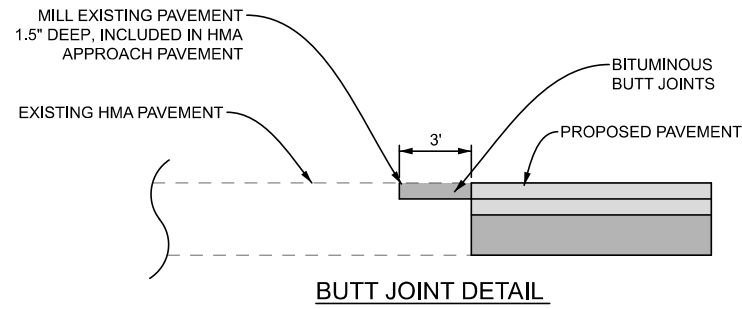
SECTION APPLIES TO:
RANDOLPH ST FROM STA 218+84 TO 221+94 (POE)

PRELIMINARY
03/08/2024
PLANS SUBJECT TO CHANGE

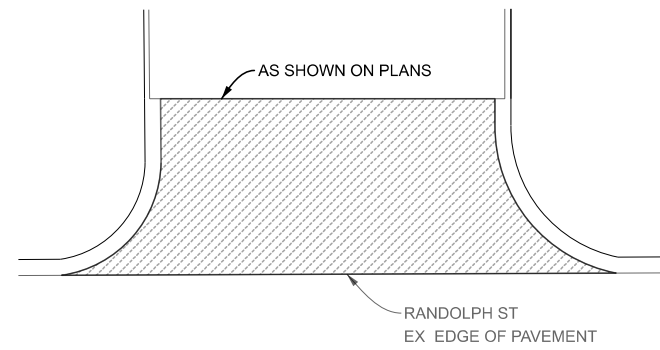
* SIDEWALK THICKNESS VARIES 6" TO 8" AS REQUIRED TO MEET ELEVATIONS IN DETAIL GRADE SHEETS
** SEE DETAIL GRADE SHEET
SEE GRADING SHEET FOR ROAD GRADES

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 DESIGN UNIT: DETROIT TSC: | CS: JN: PW-7058 | DRAWING SHEET | |
|--|------|------|-------------|-----------------|------|------|-------------|--|--|--|--|--------------------|---------------|------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | TYP | SECT |
| | | | | | | | | | | | | | | |
| RANDOLPH ST STA 212+88 TO STA 221+94 POE | | | | | | | | | | | | RAND TYP 6 | SECT 1 | |

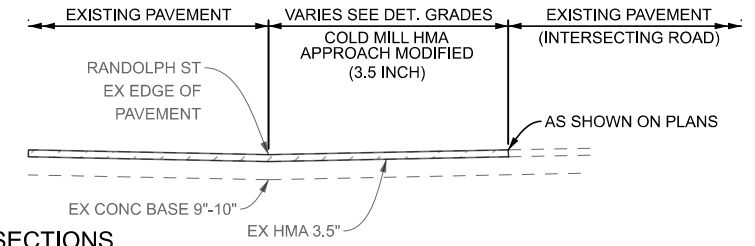
THE CONTRACTOR IS REQUIRED TO COLD MILL EX. HOT MIX ASPHALT PAVEMENT TO PROVIDE A LONGITUDINAL BUTT JOINT AT POB AND POE.



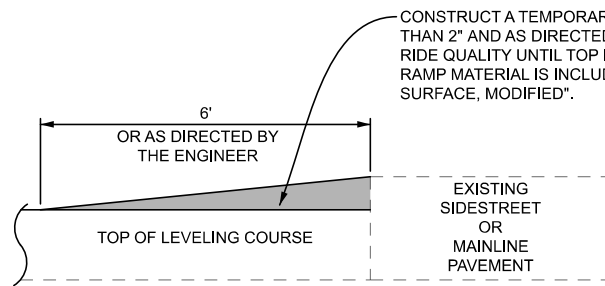
BUTT JOINT DETAIL



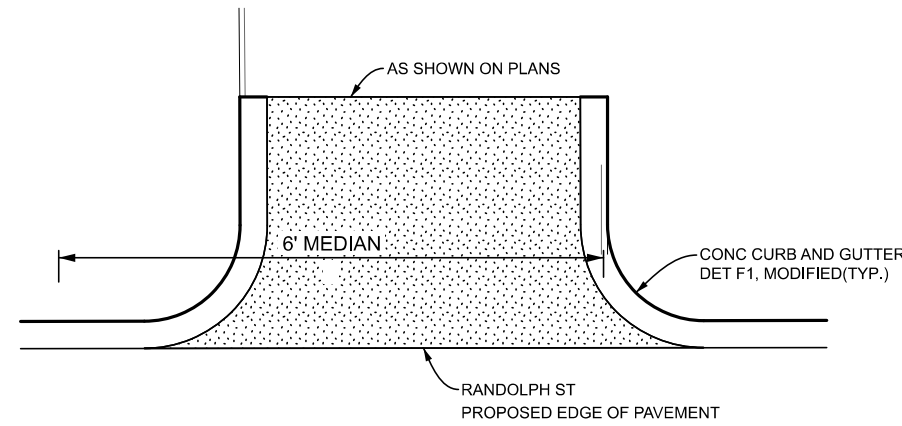
EXISTING APPROACH SECTIONS



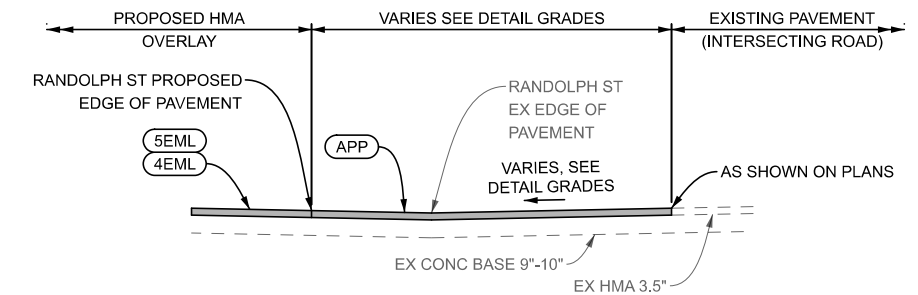
SECTION APPLIES TO:
LARNED ST
CONGRESS ST
FORT ST
FARMER ST
LAFAYETTE ST
BATES ST
MONROE ST



PAVEMENT TRANSITION DETAIL

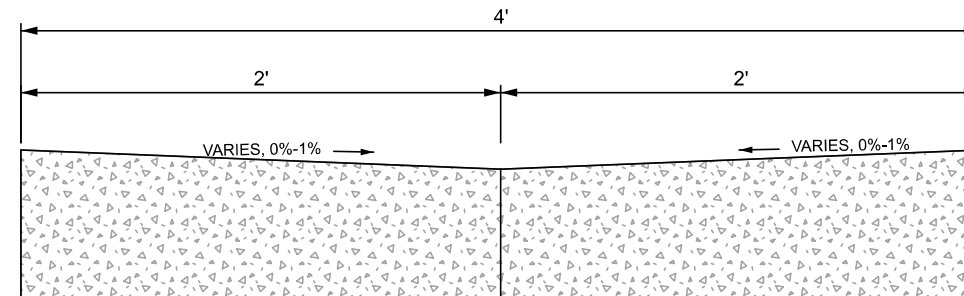


PROPOSED APPROACH SECTIONS

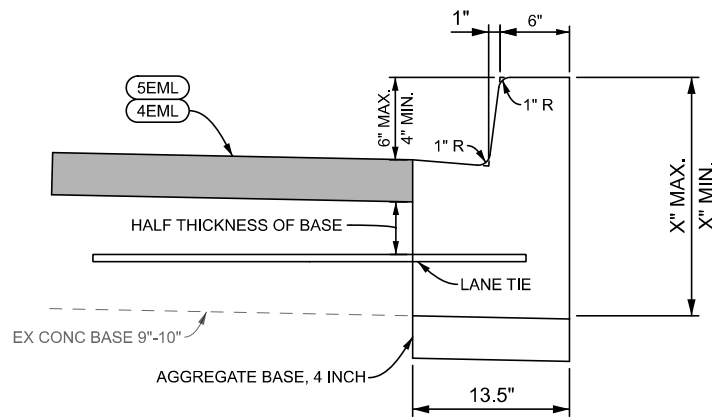


SECTION APPLIES TO:
LARNED ST
CONGRESS ST
FORT ST
FARMER ST
LAFAYETTE ST
BATES ST
MONROE ST

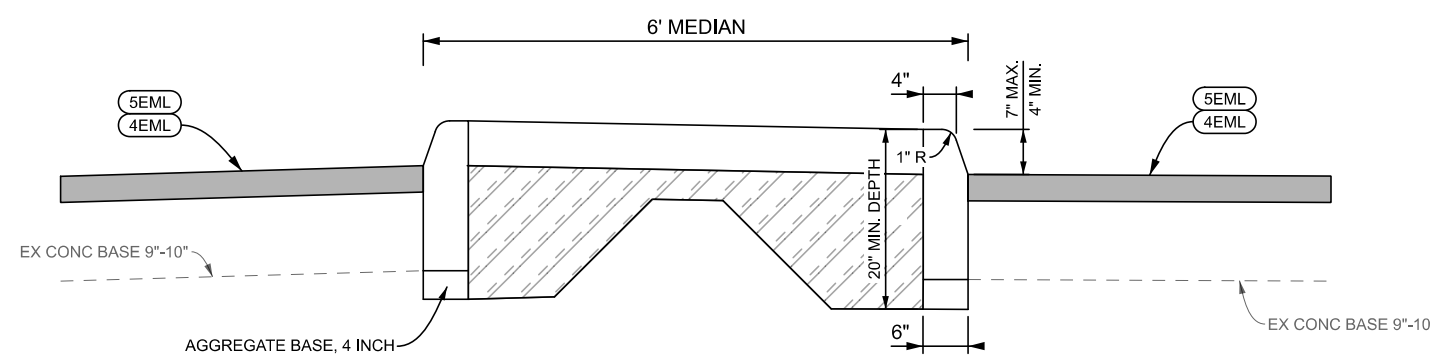
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



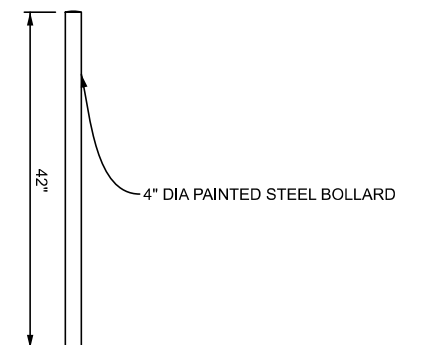
CONCRETE VALLEY GUTTER





CONC CURB AND GUTTER, DET F1, MODIFIED (TYP)



MEDIAN CONC CURB, DETAIL CD, MODIFIED (TYP)



BOLLARD, BOLT DOWN

| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | |  |  | NO SCALE | DATE: 03/15/24 | CS: | MISCELLANEOUS DETAILS | DRAWING | SHEET |
|--------------------------|------|------|-------------|-----|------|-----------------|-------------|---|---|----------|----------------------|-------------|-----------------------|-------------|-------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | | RAND MSCDET | 1 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

FILE: DETR0062_MSCDET_001.dgn

TSC:

RANDOLPH ST

RANDOLPH ST

JEFFERSON AVE

LARNED ST

E CONGRESS ST

START 200+00.00

200

201

202

203

204

205

206

207

208

209

210

NS8°55'26"E
184.42'

NS8°55'26"E
126.30'

S31°04'34"E
200.00'

N58°55'26"E
34.52'

N58°55'26"E
33.13'

S31°04'34"E
258.23'

NS8°55'26"E
90.07'

NS8°55'26"E
70.37'

NS8°55'26"E
195.55'

NS8°55'26"E
168.89'

NS8°55'26"E
285.86'

NS8°55'26"E
195.55'

NS8°55'26"E
195.55'

+79.21, 135.00' LT

N31°04'34"W
11.70'

+67.51, 60.00' LT

S31°04'34"E
200.00'

N31°04'34"W
204

N31°04'34"W
257.42'

S31°04'34"E
200.00'

S31°04'34"E
258.23'

PI 209+11.16

EX 200' ROW

END 503+99.75

PT 209+83.46

S27°04'34"E
125.01'

EX 60' ROW

RANDOLPH ST NON-LEGAL ALI STA 208+88.73
CADILLAC SQ NON-LEGAL ALI STA 503+99.75

PROP ROW

JN PW-7058
POB STA 202+51.02

01-004-068-85
2 WOODWARD AVE

01-004-097-
160 E CONGRESS

CADILLAC SQUARE
NON-LEGAL ALI

01-000-219-
124 CADILLAC SQ

01-000-219-
130 CADILLAC SQ

START 500+00.00

JN PW-7058
POB STA 500+88.15

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

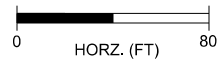
RANDOLPH_NONLEGAL_ALI
Δ = 20°26'57" (RT)
D = 13°59'20"
T = 73.88'
L = 146.18
R = 409.58'
E = 6.61'
PC = 208+37.28 N = 305,780.71 E = 13,481,202.17
PI = 209+11.16 N = 305,843.98 E = 13,481,164.03
PT = 209+83.46 N = 305,916.59 E = 13,481,150.41

JEFFERSON AVE

LARNED ST

E CONGRESS ST

| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | |
|--------------------------|------|------|-------------|-----|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



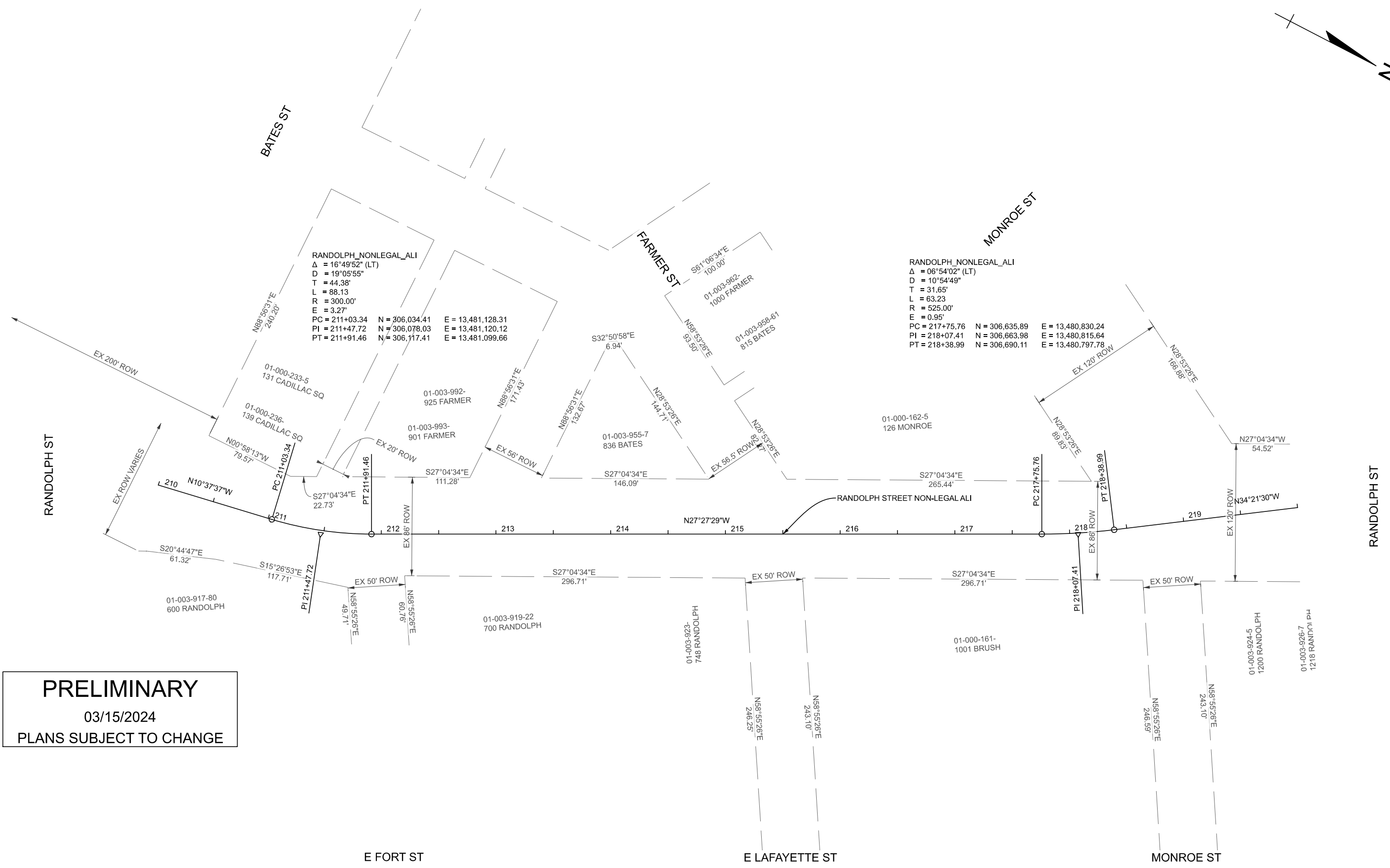
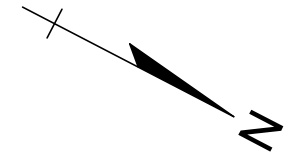
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:



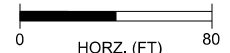
CS:
JN: PW-7058

ALIGNMENT
RANDOLPH ST STA 202+51.02 POB TO STA 210+00
CADILLAC SQ STA 500+00 POB TO STA 503+99.75 POE

DRAWING SHEET
RAND ALI 1 SECT 1



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 | | CS: | | ALIGNMENT | | DRAWING SHEET | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|----------------------|------|-------------|--------------------------------------|-----------|----------|---------------|--|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | TSC: | JN: PW-7058 | RANDOLPH ST STA 210+00 TO STA 220+00 | | RAND ALI | SHEET | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

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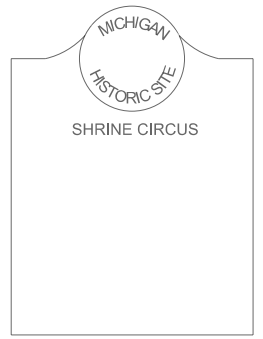
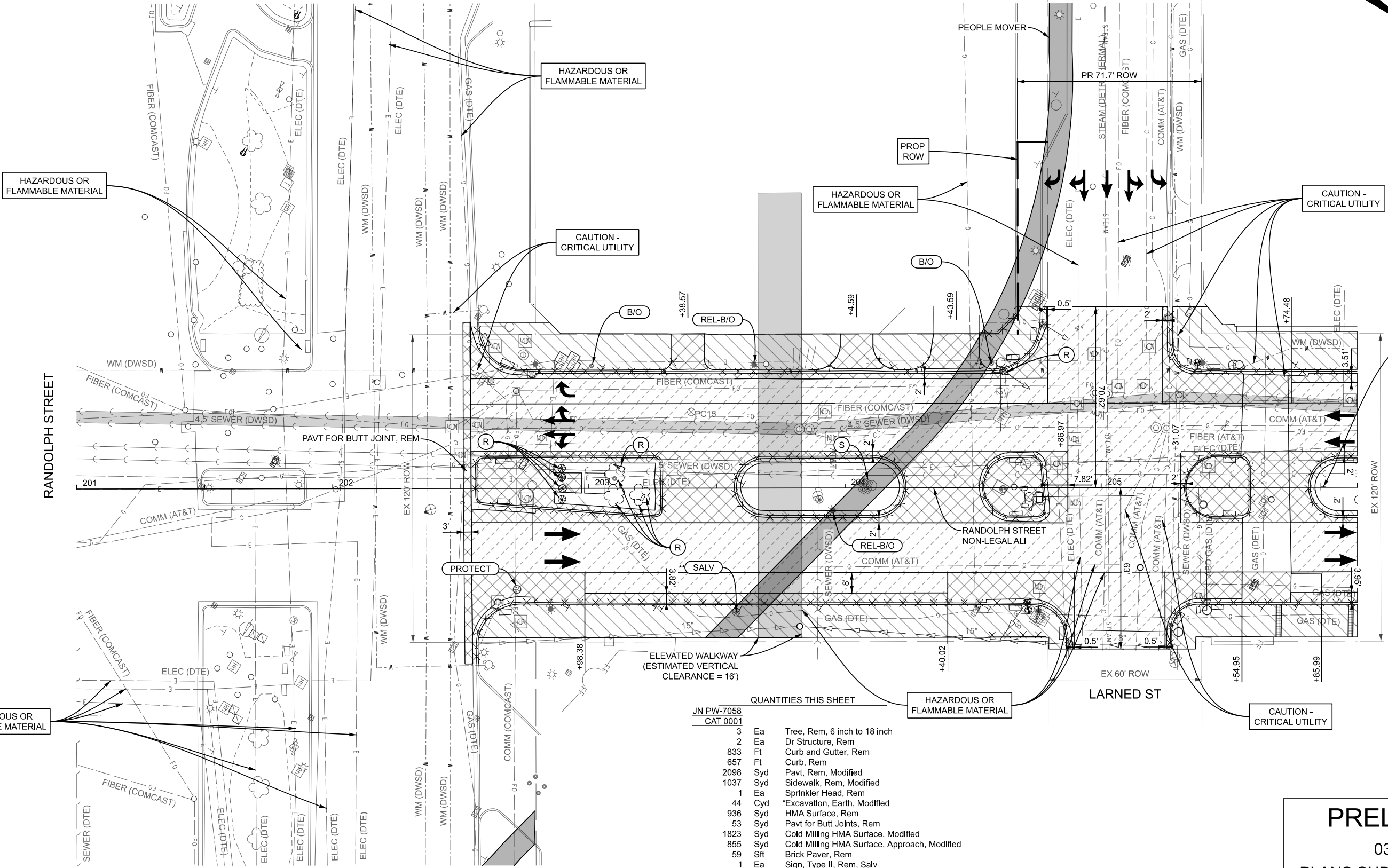
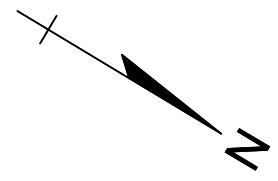
RAND ALI 2
 SECT 1

EB JEFFERSON AVE

WB JEFFERSON AVE

LARNED ST

EX 60' ROW



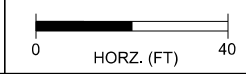
QUANTITIES THIS SHEET

| | | |
|------------|-----|--|
| JN PW-7058 | | |
| CAT 0001 | | |
| 3 | Ea | Tree, Rem, 6 inch to 18 inch |
| 2 | Ea | Dr Structure, Rem |
| 833 | Ft | Curb and Gutter, Rem |
| 657 | Ft | Curb, Rem |
| 2098 | Syd | Pavt, Rem, Modified |
| 1037 | Syd | Sidewalk, Rem, Modified |
| 1 | Ea | Sprinkler Head, Rem |
| 44 | Cyd | Excavation, Earth, Modified |
| 936 | Syd | HMA Surface, Rem |
| 53 | Syd | Pavt for Butt Joints, Rem |
| 1823 | Syd | Cold Milling HMA Surface, Modified |
| 855 | Syd | Cold Milling HMA Surface, Approach, Modified |
| 59 | Sft | Brick Paver, Rem |
| 1 | Ea | Sign, Type II, Rem, Salv |
| 4 | Ea | Light Std Fdn, Rem |
| 1 | Ea | Parking Meter, Salv |

* INCLUDES 21 CYD TOPSOIL STRIPPING
 ** COORDINATE WITH MUNICIPAL PARKING FOR REMOVAL AND REINSTALLATION OF PARKING METER, SALV

PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
| | | | |



DATE: 03/15/24
 DESIGN UNIT: DETROIT
 TSC:

CS:
 JN: PW-7058

| REMOVAL | | DRAWING | SHEET |
|---|--|----------|-------|
| RANDOLPH ST STA 202+51.02 POB TO STA 206+00 | | RAND REM | 1 |

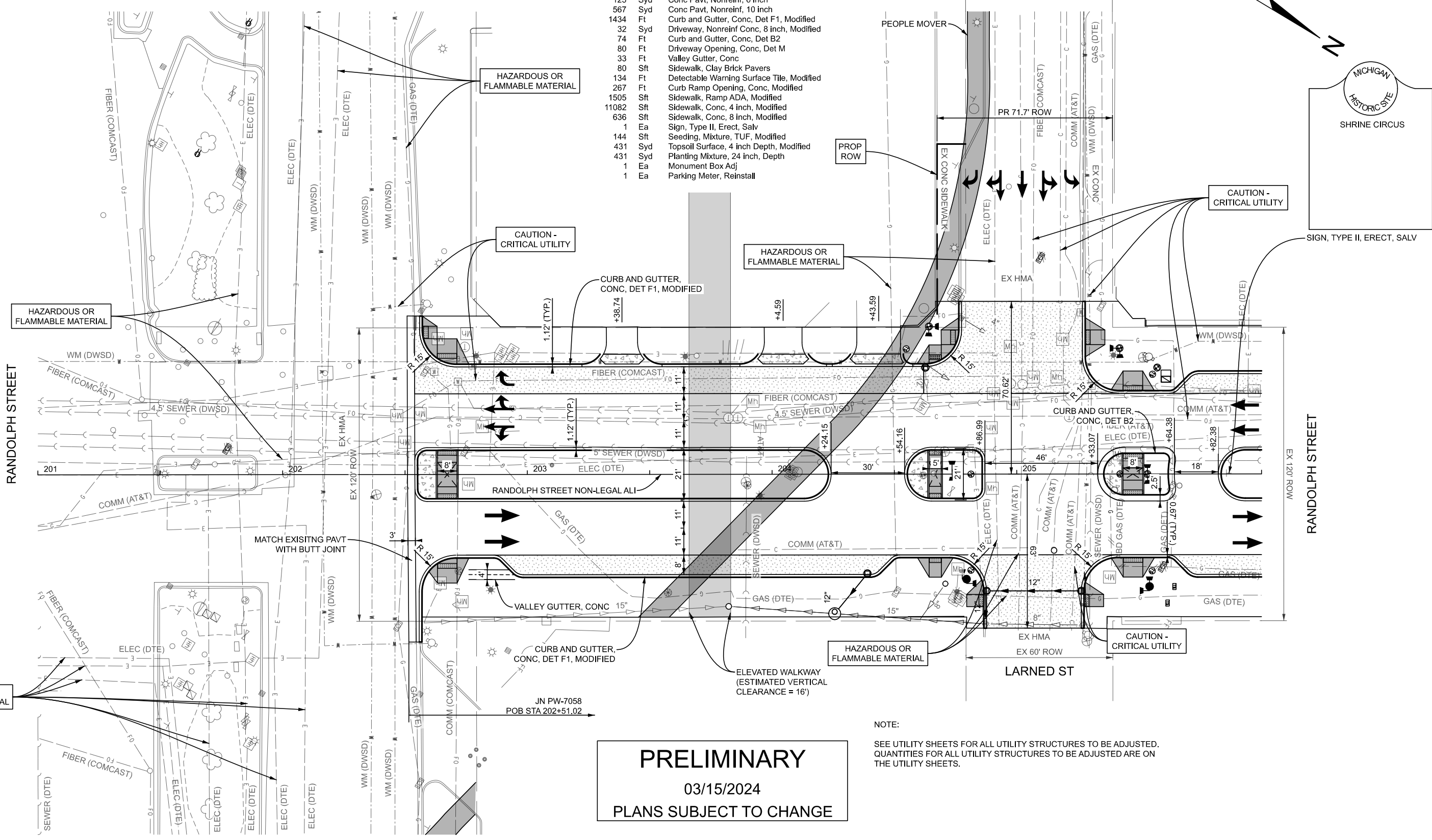
EB JEFFERSON AVE

WB JEFFERSON AVE

LARNED ST

QUANTITIES THIS SHEET

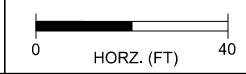
| | | |
|------------|-----|---|
| JN PW-7058 | Cat | Embarkment, CIP |
| CAT 0001 | Cat | Subbase, CIP |
| 32 | Cyd | Aggregate Base, 4 inch |
| 150 | Syd | HMA, 4EML |
| 2400 | Ton | HMA, 5EML |
| 260 | Ton | HMA Approach, Modified |
| 195 | Ton | Conc Pavt, Nonreinf, 6 inch |
| 83 | Ton | Conc Pavt, Nonreinf, 10 inch |
| 123 | Syd | Curb and Gutter, Conc, Det F1, Modified |
| 567 | Syd | Driveway, Nonreinf Conc, 8 inch, Modified |
| 1434 | Ft | Curb and Gutter, Conc, Det B2 |
| 32 | Syd | Driveway Opening, Conc, Det M |
| 74 | Ft | Valley Gutter, Conc |
| 80 | Ft | Sidewalk, Clay Brick Pavers |
| 33 | Ft | Detectable Warning Surface Tile, Modified |
| 134 | Ft | Curb Ramp Opening, Conc, Modified |
| 267 | Ft | Sidewalk, Ramp ADA, Modified |
| 1505 | Sft | Sidewalk, Conc, 4 inch, Modified |
| 11082 | Sft | Sidewalk, Conc, 8 inch, Modified |
| 636 | Sft | Sign, Type II, Erect, Salv |
| 1 | Ea | Seeding, Mixture, TUF, Modified |
| 144 | Sft | Topsoil Surface, 4 inch Depth, Modified |
| 431 | Syd | Planting Mixture, 24 inch, Depth |
| 431 | Syd | Monument Box Adj |
| 1 | Ea | Parking Meter, Reinstall |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

NOTE:
SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED.
QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON
THE UTILITY SHEETS.

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
| | | | |
| | | | |



FILE: DETR0062_Con_001.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

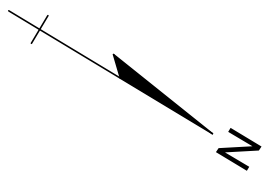
CONSTRUCTION
RANDOLPH ST STA 202+51.02 POB TO STA 206+00

DRAWING SHEET
RAND CON 1 SECT 1

EB JEFFERSON AVE

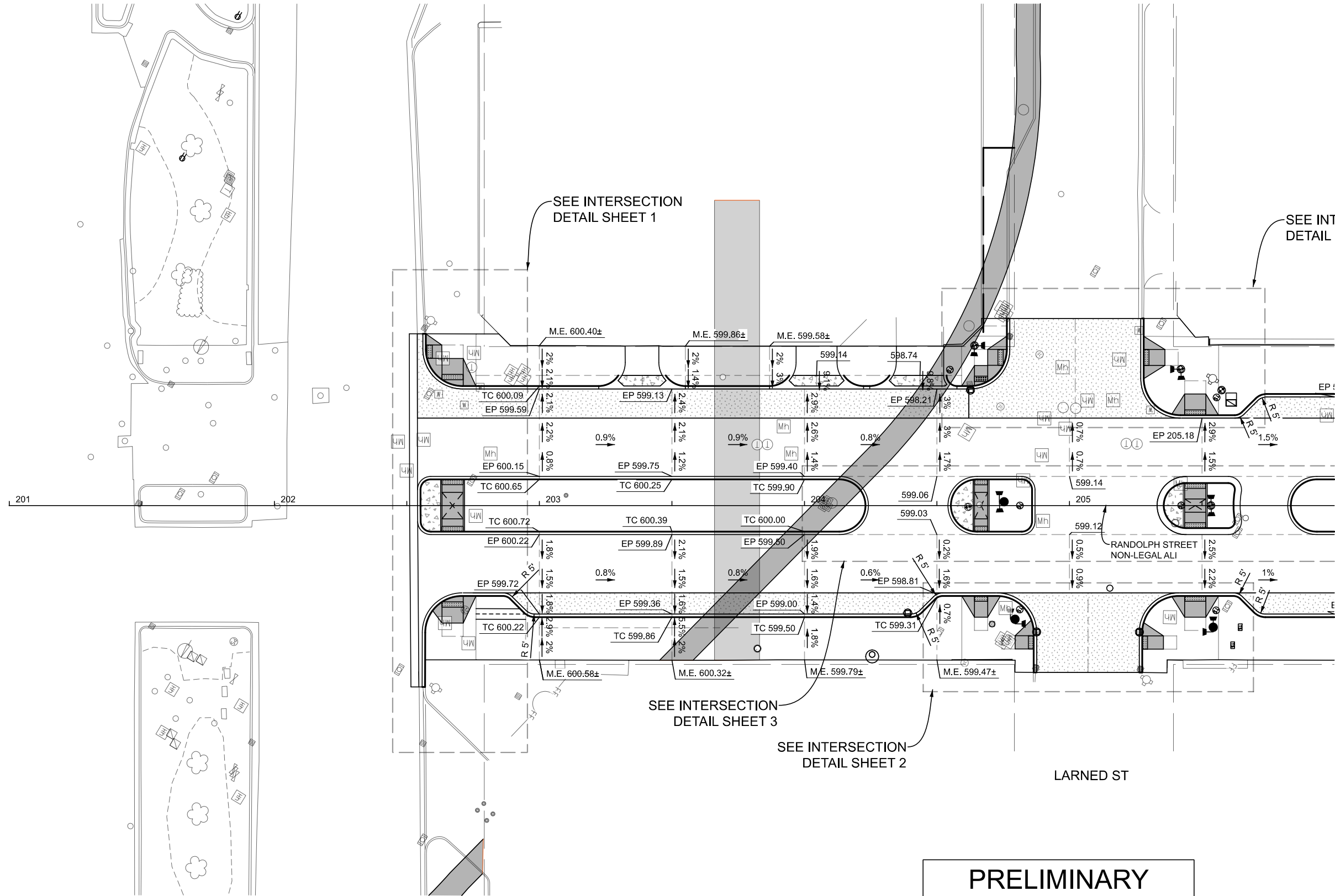
WB JEFFERSON AVE

LARNED ST



RANDOLPH STREET

RANDOLPH STREET



SEE INTERSECTION
DETAIL SHEET 1

SEE INTERSECTION
DETAIL SHEET 4

SEE INTERSECTION
DETAIL SHEET 3

SEE INTERSECTION
DETAIL SHEET 2

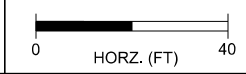
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

EB JEFFERSON AVE

WB JEFFERSON AVE

LARNED ST

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
| | | | |
| | | | |



FILE: DETR0062_Grade_001.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

GRADING
RANDOLPH ST STA 202+51.02 POB TO STA 206+00
RAND GRADE 1

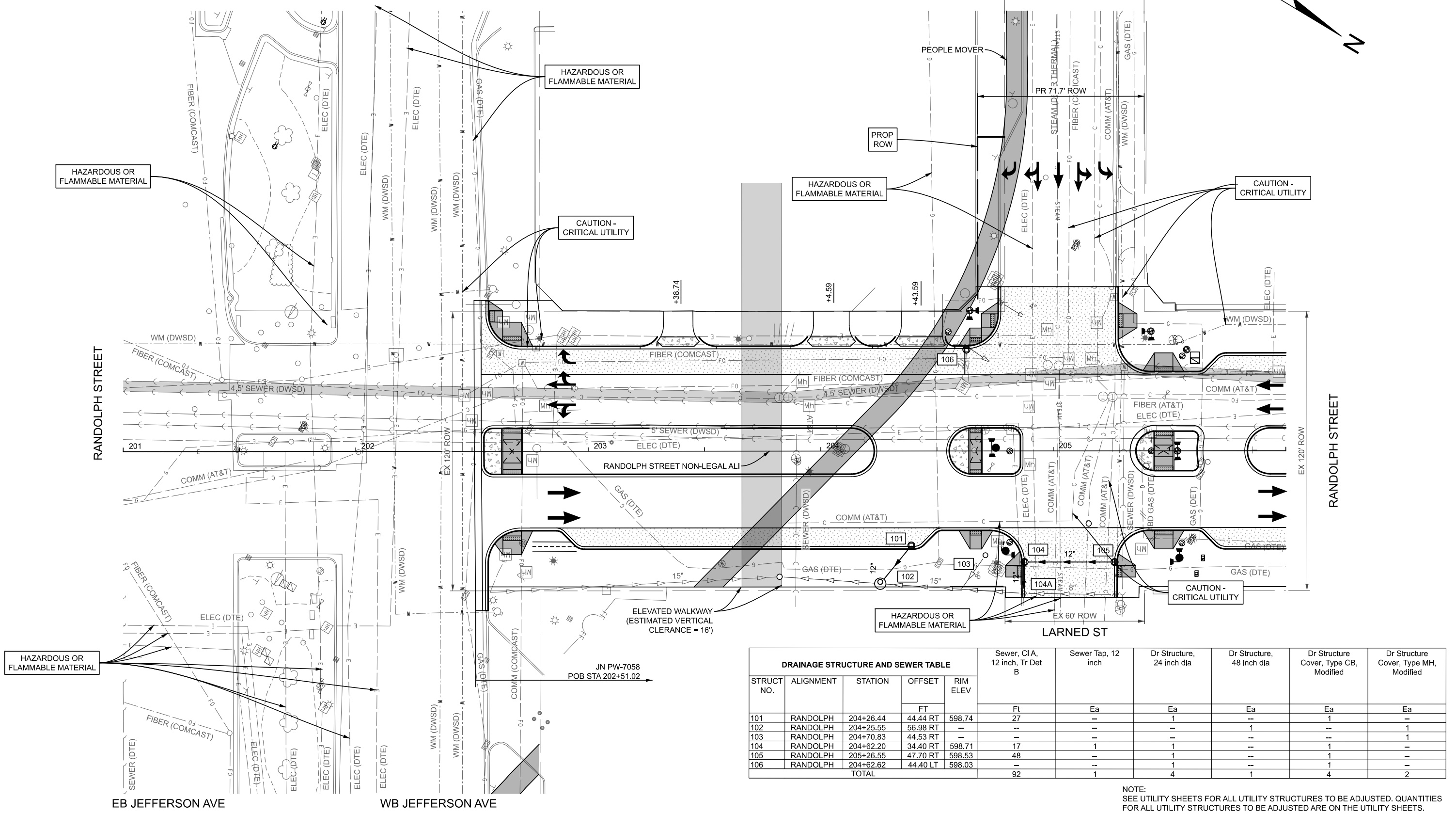
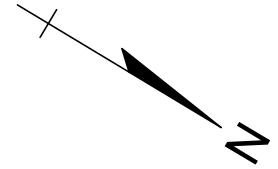
DRAWING SHEET
RAND GRADE 1 SECT 1

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

EB JEFFERSON AVE

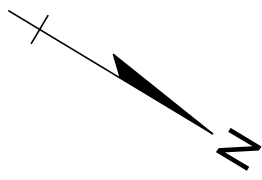
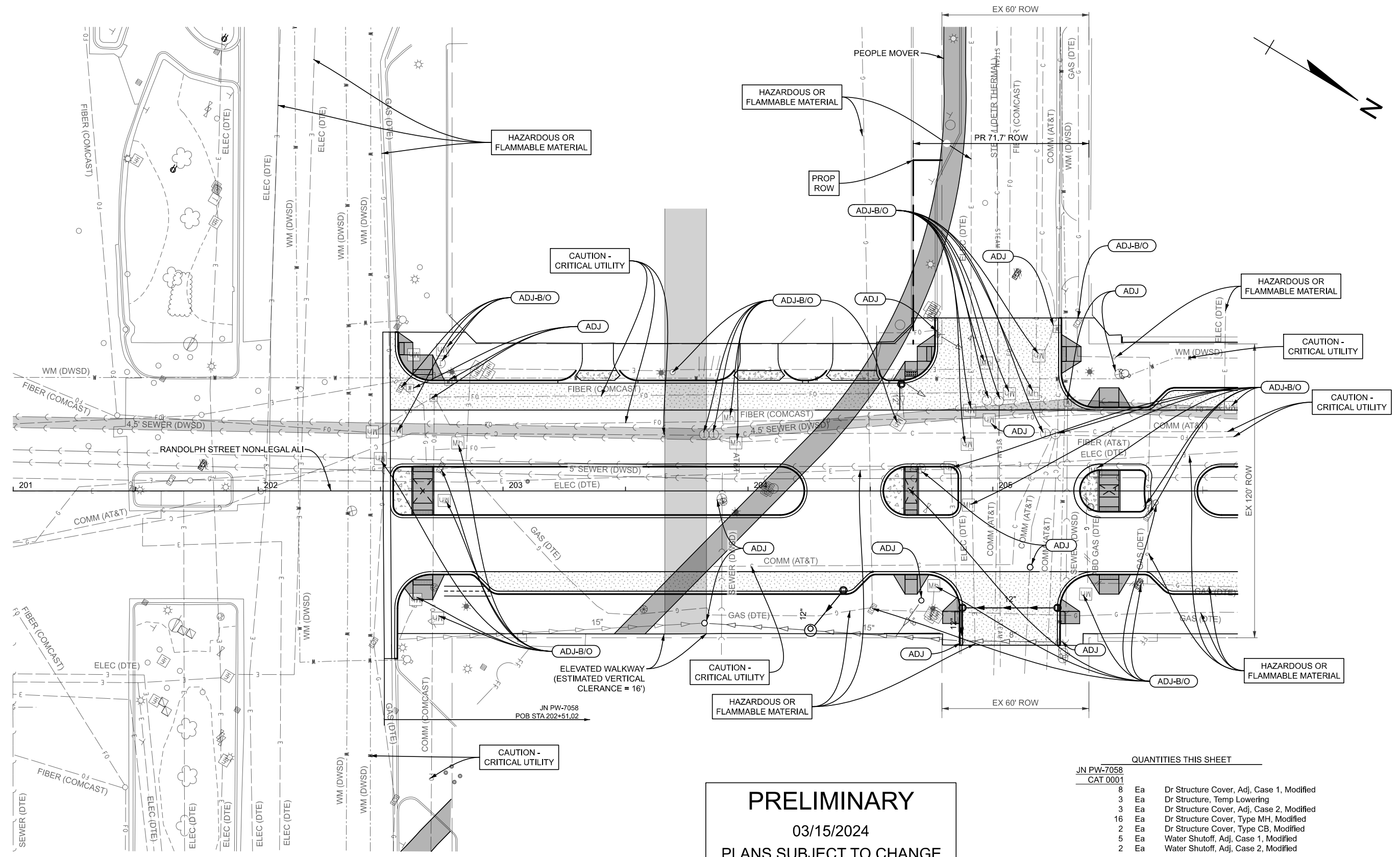
WB JEFFERSON AVE

LARNED ST



| DRAINAGE STRUCTURE AND SEWER TABLE | | | | | Sewer, CI A, 12 inch, Tr Det B | Sewer Tap, 12 inch | Dr Structure, 24 inch dia | Dr Structure, 48 inch dia | Dr Structure Cover, Type CB, Modified | Dr Structure Cover, Type MH, Modified |
|------------------------------------|-----------|-----------|----------|-------------|--------------------------------------|-----------------------|------------------------------|------------------------------|---|---|
| STRUCT NO. | ALIGNMENT | STATION | OFFSET | RIM ELEV | Ft | Ea | Ea | Ea | Ea | Ea |
| | | | FT | | | | | | | |
| 101 | RANDOLPH | 204+26.44 | 44.44 RT | 598.74 | 27 | - | 1 | - | 1 | - |
| 102 | RANDOLPH | 204+25.55 | 56.98 RT | - | - | - | - | 1 | - | 1 |
| 103 | RANDOLPH | 204+70.83 | 44.53 RT | - | - | - | - | - | 1 | - |
| 104 | RANDOLPH | 204+62.20 | 34.40 RT | 598.71 | 17 | 1 | 1 | - | 1 | - |
| 105 | RANDOLPH | 205+26.55 | 47.70 RT | 598.53 | 48 | - | 1 | - | 1 | - |
| 106 | RANDOLPH | 204+62.62 | 44.40 LT | 598.03 | - | - | 1 | - | 1 | - |
| TOTAL | | | | | 92 | 1 | 4 | 1 | 4 | 2 |

NOTE:
SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED. QUANTITIES
FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON THE UTILITY SHEETS.

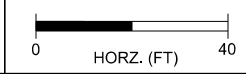


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| | | |
|------------|----|---|
| JN PW-7058 | | |
| CAT 0001 | | |
| 8 | Ea | Dr Structure Cover, Adj, Case 1, Modified |
| 3 | Ea | Dr Structure, Temp Lowering |
| 3 | Ea | Dr Structure Cover, Adj, Case 2, Modified |
| 16 | Ea | Dr Structure Cover, Type MH, Modified |
| 2 | Ea | Dr Structure Cover, Type CB, Modified |
| 5 | Ea | Water Shutoff, Adj, Case 1, Modified |
| 2 | Ea | Water Shutoff, Adj, Case 2, Modified |

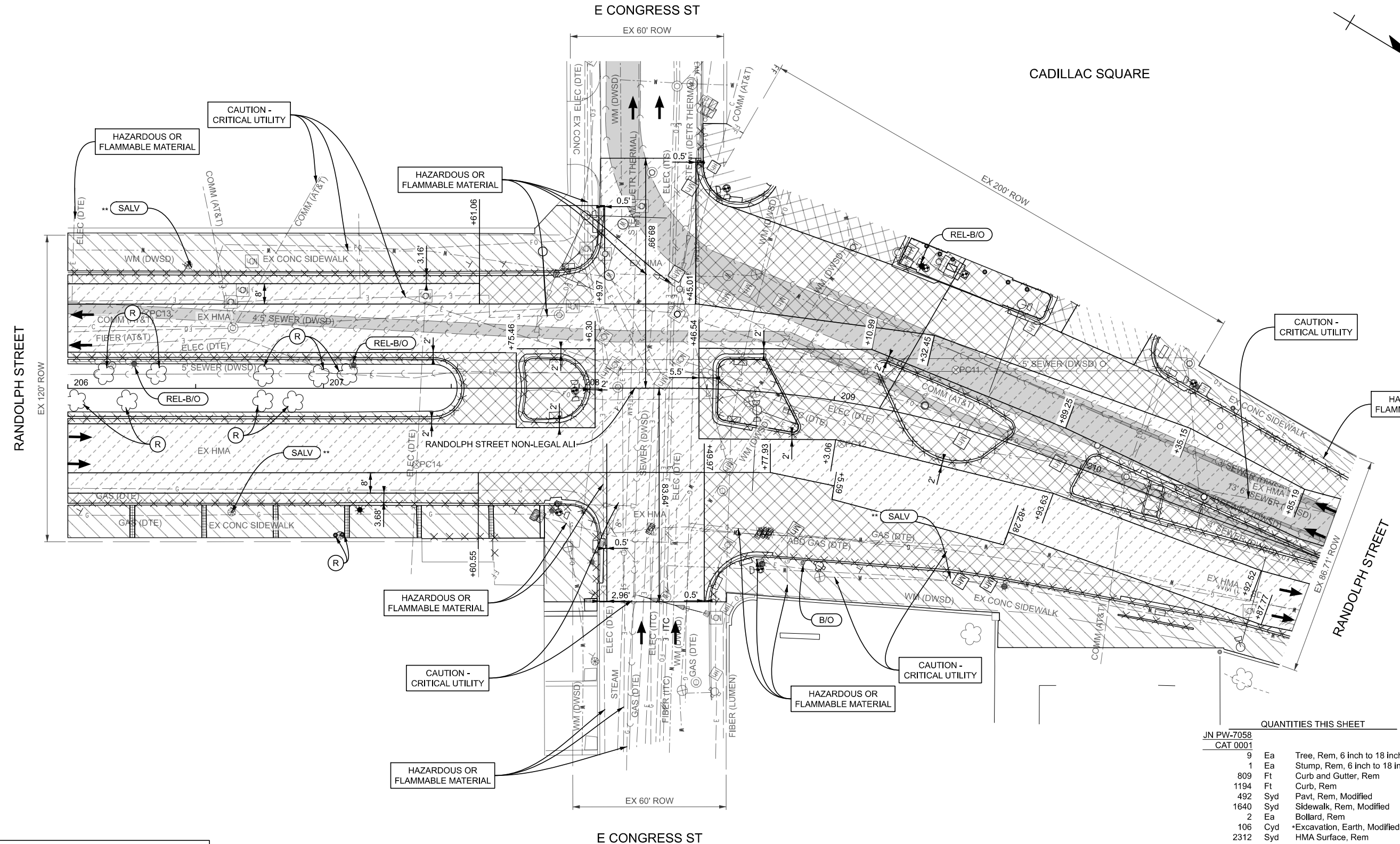
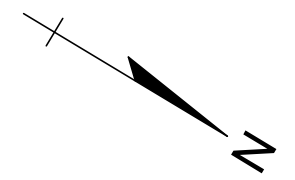
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Utility_001.dgn

CS:
JN: PW-7058

| UTILITIES | | DRAWING | SHEET |
|---|--|-----------|--------|
| RANDOLPH ST STA 202+51.02 POB TO STA 206+00 | | RAND UTIL | SECT 1 |
| | | 1 | |



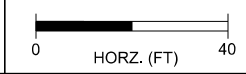
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| JN PW-7058 | | CAT 0001 | |
|------------|-----|--|--|
| 9 | Ea | Tree, Rem, 6 inch to 18 inch | |
| 1 | Ea | Stump, Rem, 6 inch to 18 inch | |
| 809 | Ft | Curb and Gutter, Rem | |
| 1194 | Ft | Curb, Rem | |
| 492 | Syd | Pavt, Rem, Modified | |
| 1640 | Syd | Sidewalk, Rem, Modified | |
| 2 | Ea | Bollard, Rem | |
| 106 | Cyd | *Excavation, Earth, Modified | |
| 2312 | Syd | HMA Surface, Rem | |
| 3015 | Syd | Cold Milling HMA Surface, Modified | |
| 876 | Syd | Cold Milling HMA Surface, Approach, Modified | |
| 202 | Sft | Brick Paver, Rem | |
| 3 | Ea | Parking Meter, Salv | |

* INCLUDES 21 CYD TOPSOIL STRIPPING
** COORDINATE WITH MUNICIPAL PARKING
FOR REMOVAL AND REINSTALLATION OF PARKING METER, SALV

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



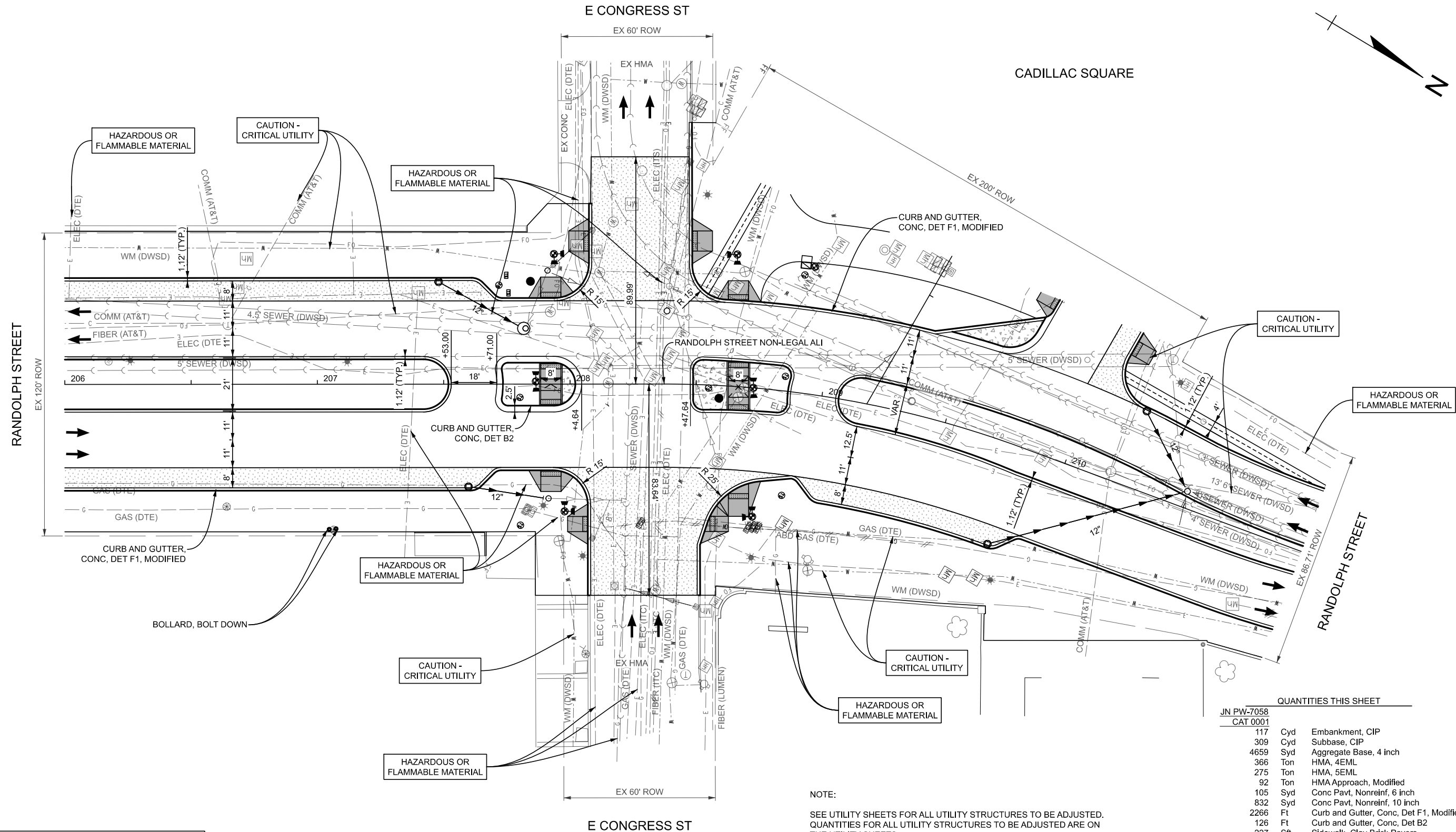
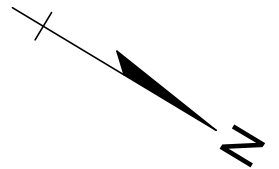
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

REMOVAL
RANDOLPH ST STA 206+00 TO STA 211+00

DRAWING SHEET
RAND REM 2 SECT 1



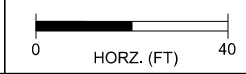
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| JN PW-7058 | CAT 0001 | Quantity | Unit | Description |
|------------|----------|----------|------|---|
| | | 117 | Cyd | Embankment, CIP |
| | | 309 | Cyd | Subbase, CIP |
| | | 4659 | Syd | Aggregate Base, 4 inch |
| | | 366 | Ton | HMA, 4EML |
| | | 275 | Ton | HMA, 5EML |
| | | 92 | Ton | HMA Approach, Modified |
| | | 105 | Syd | Conc Pavt, Nonreinf, 6 inch |
| | | 832 | Syd | Conc Pavt, Nonreinf, 10 inch |
| | | 2266 | Ft | Curb and Gutter, Conc, Det F1, Modified |
| | | 126 | Ft | Curb and Gutter, Conc, Det B2 |
| | | 227 | Sft | Sidewalk, Clay Brick Pavers |
| | | 111 | Ft | Detectable Warning Surface Tile, Modified |
| | | 249 | Ft | Curb Ramp Opening, Conc, Modified |
| | | 1193 | Sft | Sidewalk, Ramp ADA, Modified |
| | | 20855 | Sft | Sidewalk, Conc, 4 inch, Modified |
| | | 2 | Ea | Bollard, Bolt Down |
| | | 203 | Sft | Seeding, Mixture, TUF, Modified |
| | | 608 | Syd | Topsoil Surface, 4 inch Depth, Modified |
| | | 608 | Syd | Planting Mixture, 24 inch, Depth |
| | | 3 | Ea | Parking Meter, Reinstall |

NOTE:
SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED.
QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON
THE UTILITY SHEETS.

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



FILE: DETR0062_Con_002.dgn

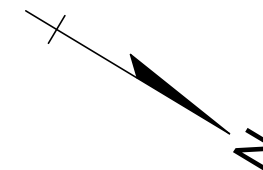
DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

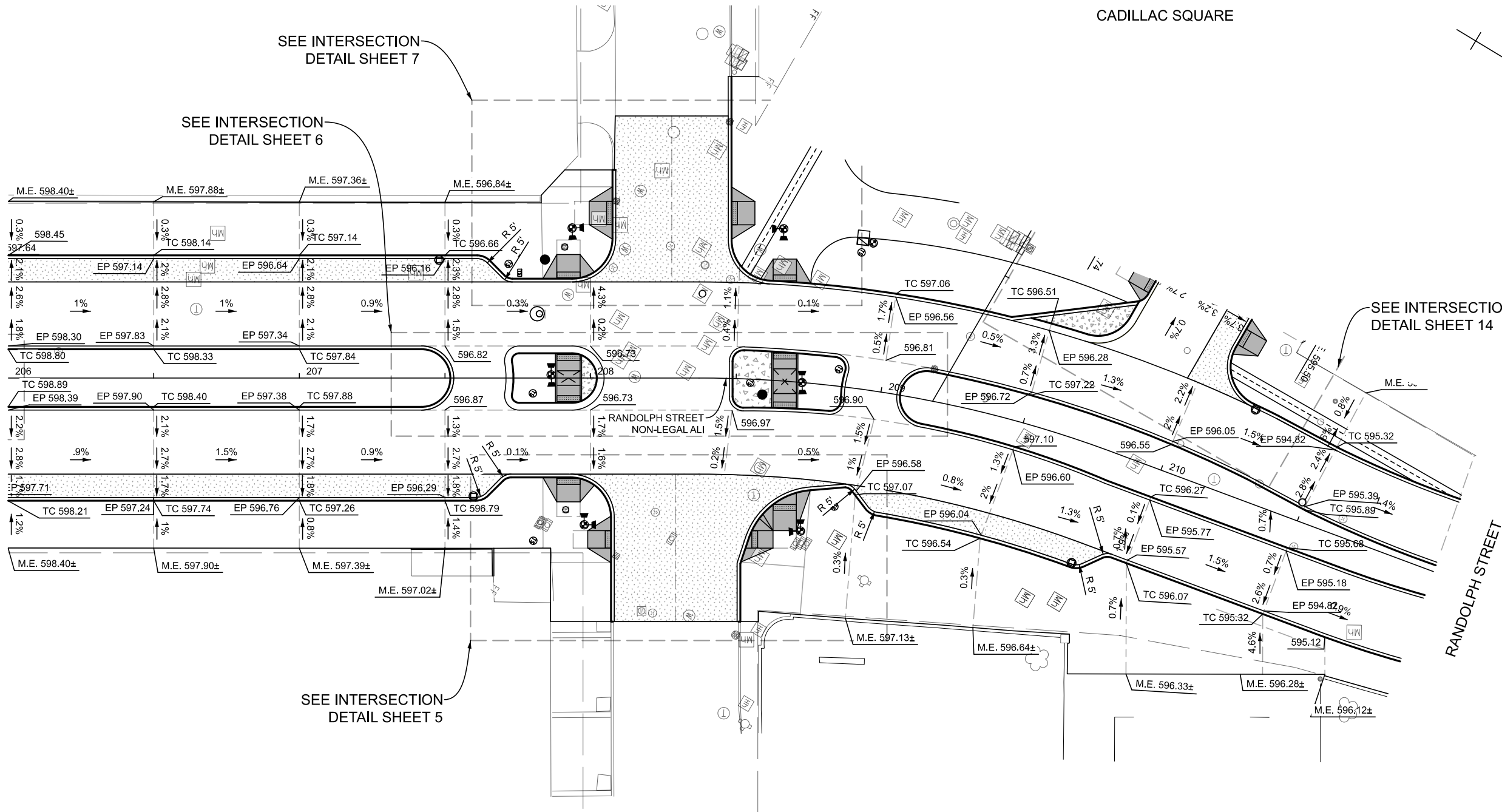
| CONSTRUCTION | | DRAWING | SHEET |
|--------------------------------------|--|----------|--------|
| RANDOLPH ST STA 206+00 TO STA 211+00 | | RAND CON | SECT 1 |
| | | 2 | |

E CONGRESS ST

CADILLAC SQUARE



RANDOLPH STREET



SEE INTERSECTION
DETAIL SHEET 5



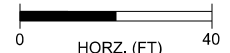
SEE INTERSECTION
DETAIL SHEET 6

SEE INTERSECTION
DETAIL SHEET 7

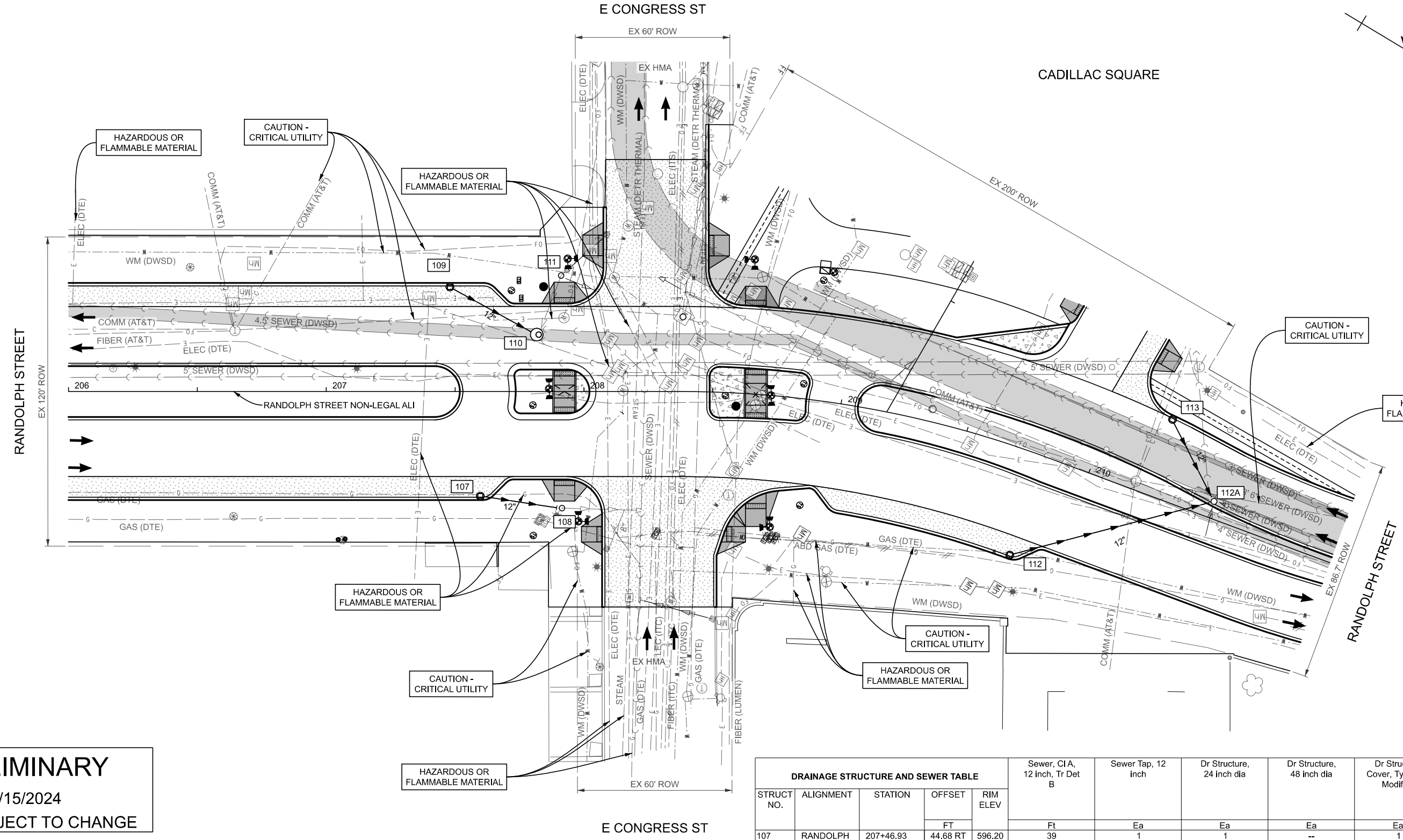
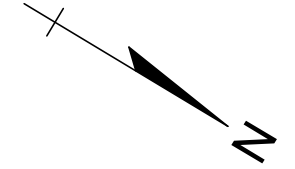
SEE INTERSECTION
DETAIL SHEET 14

E CONGRESS ST

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 DESIGN UNIT: DETROIT TSC: | CS: JN: PW-7058 | GRADING RANDOLPH ST STA 206+00 TO STA 211+00 | DRAWING SHEET RAND GRADE 2 SECT 1 |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|--|--------------------|---|--------------------------------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | | |
| | | | | | | | | | | | | | | |

FILE: DETR0062_Grade_002.dgn

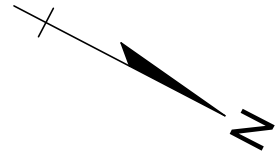
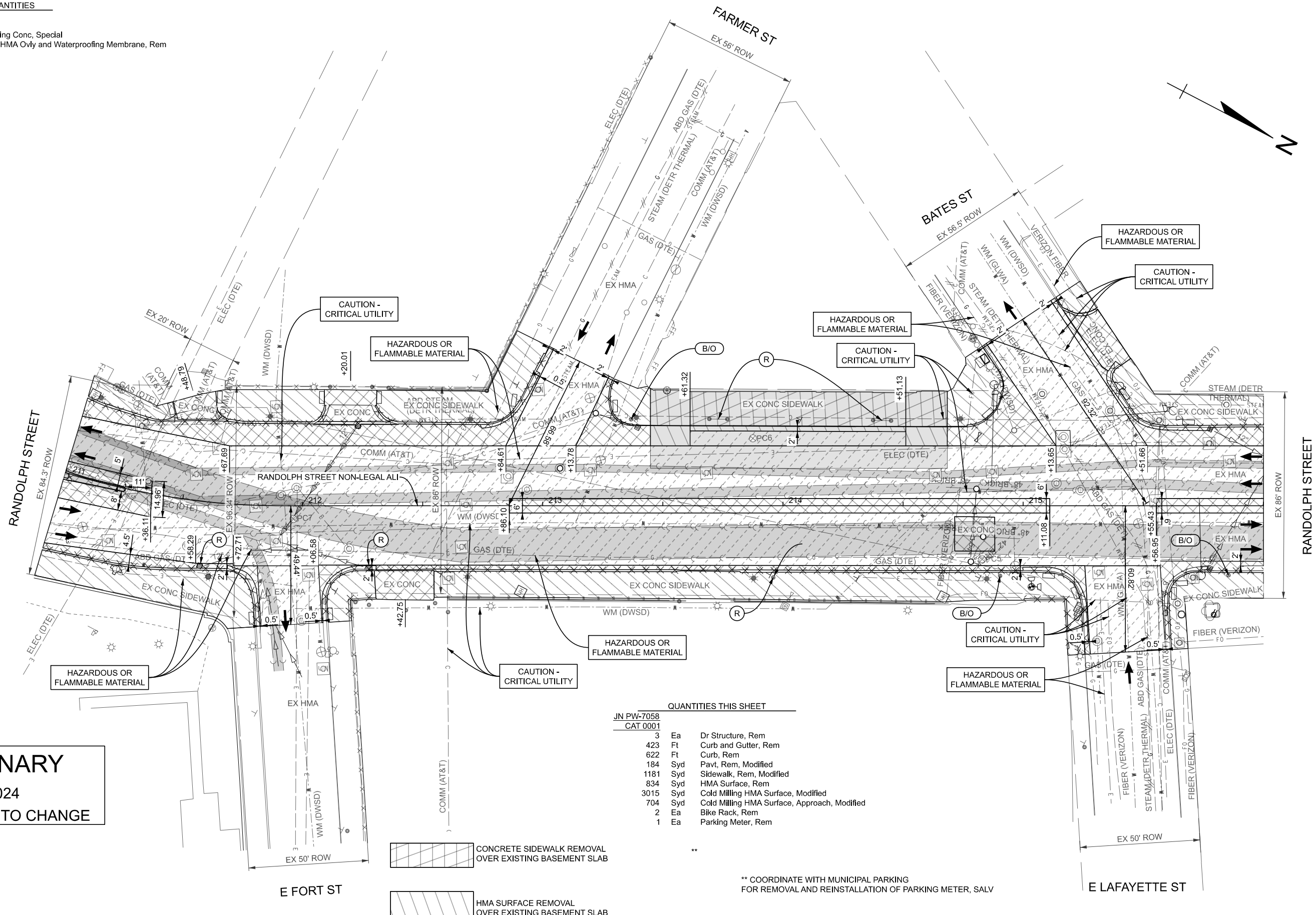


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| DRAINAGE STRUCTURE AND SEWER TABLE | | | | | Sewer, CIA, 12 inch, Tr Det B | Sewer Tap, 12 inch | Dr Structure, 24 inch dia | Dr Structure, 48 inch dia | Dr Structure Cover, Type CB, Modified | Dr Structure Cover, Type MH, Modified |
|------------------------------------|-----------|-----------|----------|----------|-------------------------------|--------------------|---------------------------|---------------------------|---------------------------------------|---------------------------------------|
| STRUCT NO. | ALIGNMENT | STATION | OFFSET | RIM ELEV | Ft | Ea | Ea | Ea | Ea | Ea |
| | | | FT | | | | | | | |
| 107 | RANDOLPH | 207+46.93 | 44.68 RT | 596.20 | 39 | 1 | 1 | -- | 1 | -- |
| 108 | RANDOLPH | 207+91.48 | 45.25 RT | -- | -- | -- | -- | -- | -- | 1 |
| 109 | RANDOLPH | 207+48.00 | 43.76 LT | 595.99 | 47 | -- | 1 | -- | 1 | -- |
| 110 | RANDOLPH | 207+81.69 | 22.08 LT | 596.33 | -- | -- | -- | 1 | -- | 1 |
| 111 | RANDOLPH | 207+91.14 | 45.00 LT | -- | -- | -- | -- | -- | -- | 1 |
| 112 | RANDOLPH | 210+06.19 | 42.74 RT | 595.40 | 99 | 1 | 1 | -- | 1 | -- |
| 113 | RANDOLPH | 210+23.12 | 30.03 LT | 595.26 | 44 | 1 | 1 | -- | 1 | -- |
| TOTAL | | | | | | 229 | 3 | 4 | 4 | 3 |

NOTE:
SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED. QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON THE UTILITY SHEETS.

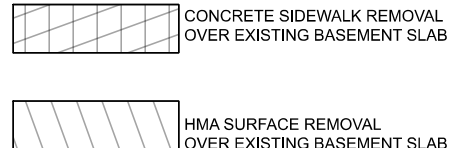
DWSD BASEMENT QUANTITIES
 JN PW-7058
 CAT 0001
 264 Syd Hand Chipping Conc, Special
 528 Syd Exploratory HMA Ovly and Waterproofing Membrane, Rem



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

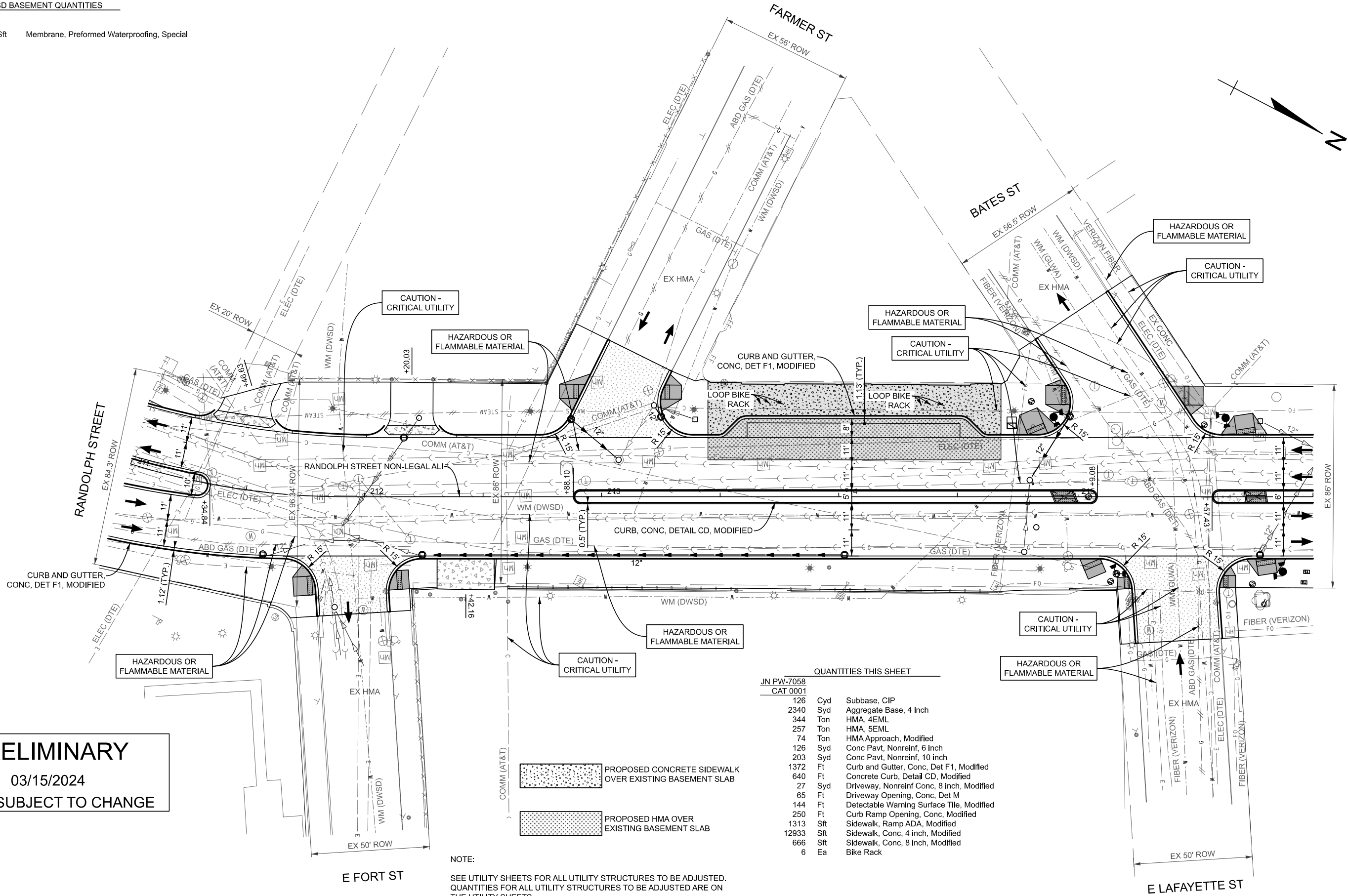
QUANTITIES THIS SHEET

| | | | |
|------------|------|-----|--|
| JN PW-7058 | 3 | Ea | Dr Structure, Rem |
| CAT 0001 | 423 | Ft | Curb and Gutter, Rem |
| | 622 | Ft | Curb, Rem |
| | 184 | Syd | Pavt, Rem, Modified |
| | 1181 | Syd | Sidewalk, Rem, Modified |
| | 834 | Syd | HMA Surface, Rem |
| | 3015 | Syd | Cold Milling HMA Surface, Modified |
| | 704 | Syd | Cold Milling HMA Surface, Approach, Modified |
| | 2 | Ea | Bike Rack, Rem |
| | 1 | Ea | Parking Meter, Rem |



** COORDINATE WITH MUNICIPAL PARKING FOR REMOVAL AND REINSTALLATION OF PARKING METER, SALV

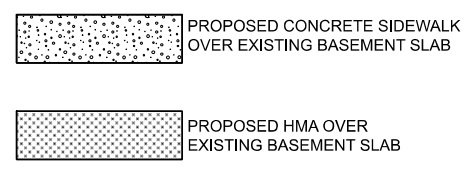
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|----------------------------|------|------|-------------|-----------------|------|------|-------------|--|--|--|----------------------|-------------|---------|---------------|
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 | CS: | REMOVAL | DRAWING SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | | |
| FILE: DETR0062_Rem_003.dgn | | | | | | | | | | | RAND REM 3 | | SECT 1 | |



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

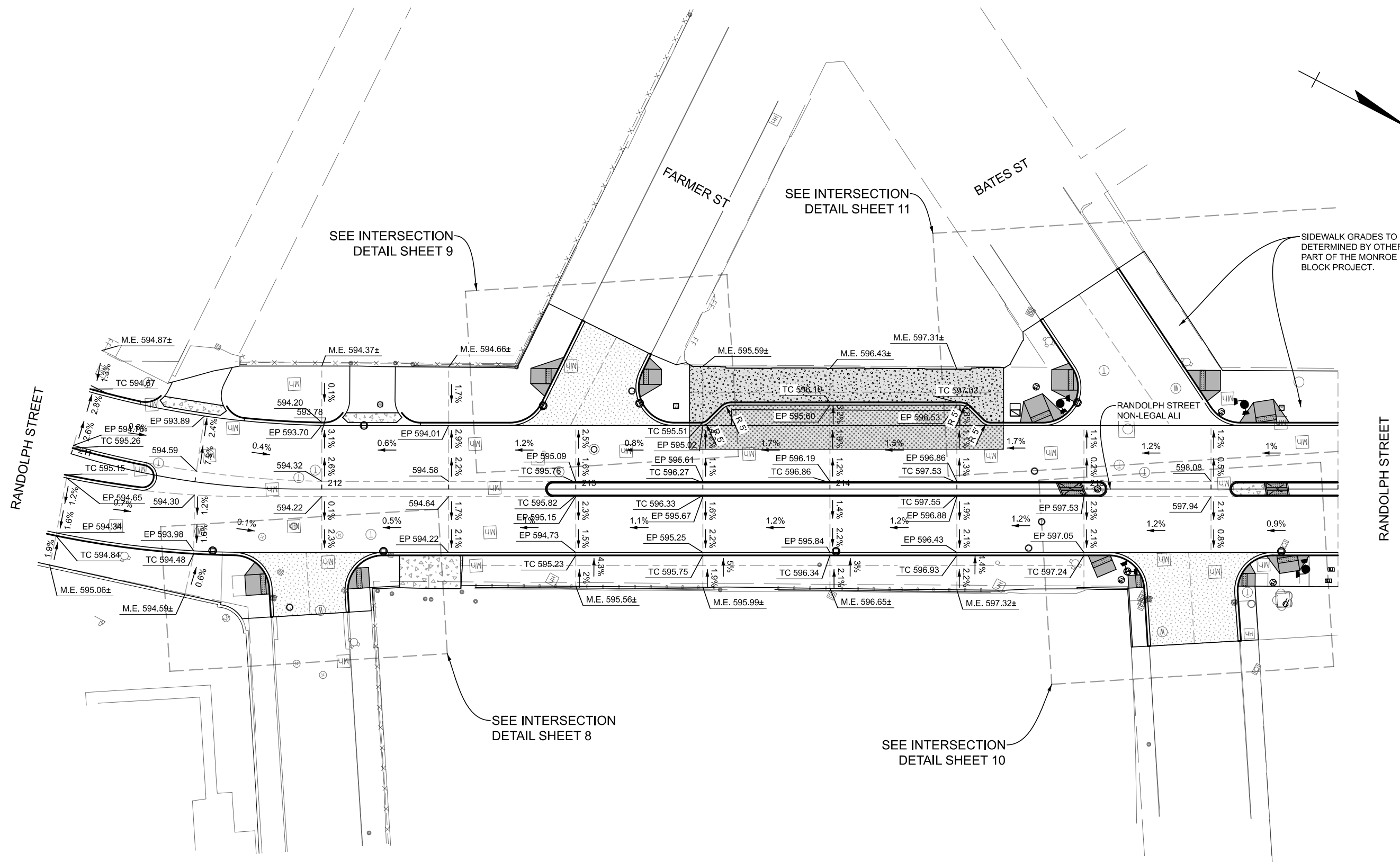
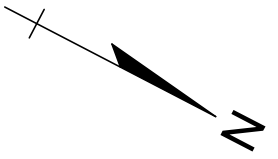
QUANTITIES THIS SHEET

| | | | |
|------------|-------|-----|---|
| JN PW-7058 | 126 | Cyd | Subbase, CIP |
| CAT 0001 | 2340 | Syd | Aggregate Base, 4 inch |
| | 344 | Ton | HMA, 4EML |
| | 257 | Ton | HMA, 5EML |
| | 74 | Ton | HMA Approach, Modified |
| | 126 | Syd | Conc Pavt, Nonreinf, 6 inch |
| | 203 | Syd | Conc Pavt, Nonreinf, 10 inch |
| | 1372 | Ft | Curb and Gutter, Conc, Det F1, Modified |
| | 640 | Ft | Concrete Curb, Detail CD, Modified |
| | 27 | Syd | Driveway, Nonreinf Conc, 8 inch, Modified |
| | 65 | Ft | Driveway Opening, Conc, Det M |
| | 144 | Ft | Detectable Warning Surface Tile, Modified |
| | 250 | Ft | Curb Ramp Opening, Conc, Modified |
| | 1313 | Sft | Sidewalk, Ramp ADA, Modified |
| | 12933 | Sft | Sidewalk, Conc, 4 inch, Modified |
| | 666 | Sft | Sidewalk, Conc, 8 inch, Modified |
| | 6 | Ea | Bike Rack |



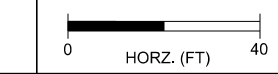
NOTE:
 SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED.
 QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON THE UTILITY SHEETS.

| | | | | | | | | | | | | | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|--|--|--|----------------------|-------------|--------------------------------------|--|---------------|
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 | CS: | CONSTRUCTION | | DRAWING SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | RANDOLPH ST STA 211+00 TO STA 216+00 | | |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



FILE: DETR0062_Grade_003.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

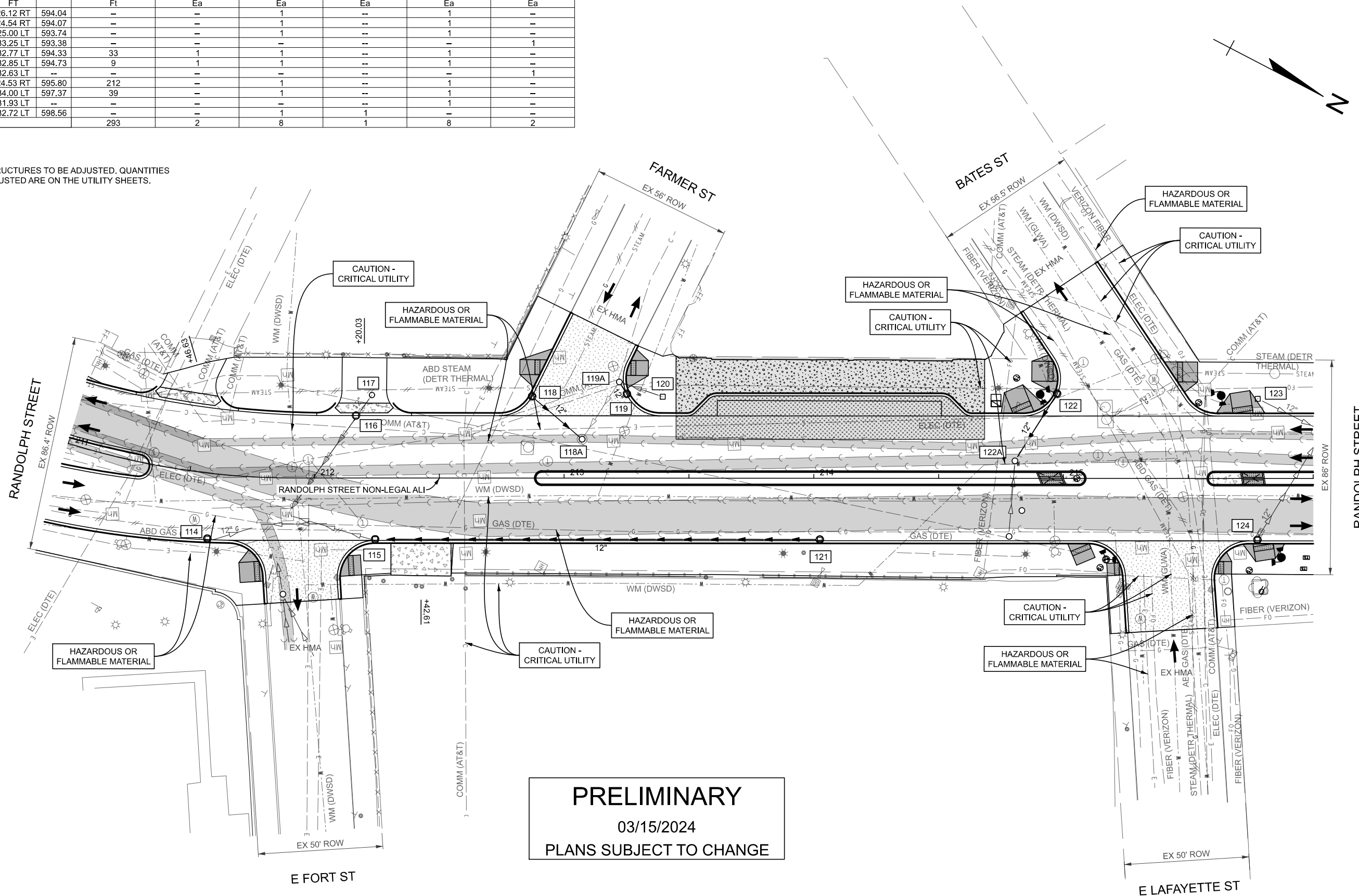
GRADING
RANDOLPH ST STA 211+00 TO STA 216+00

DRAWING SHEET
RAND GRADE 3 SECT 1

| DRAINAGE STRUCTURE AND SEWER TABLE | | | | | Sewer, CIA, 12 inch, Tr Det B | Sewer Tap, 12 inch | Dr Structure, 24 inch dia | Dr Structure Cover, ADA, Compliant | Dr Structure Cover, Type CB, Modified | Dr Structure Cover, Type MH, Modified |
|------------------------------------|-----------|-----------|----------|----------|-------------------------------|--------------------|---------------------------|------------------------------------|---------------------------------------|---------------------------------------|
| STRUCT NO. | ALIGNMENT | STATION | OFFSET | RIM ELEV | Ft | Ea | Ea | Ea | Ea | Ea |
| | | | | | FT | | | | | |
| 114 | RANDOLPH | 211+59.77 | 26.12 RT | 594.04 | -- | -- | 1 | -- | 1 | -- |
| 115 | RANDOLPH | 212+27.20 | 24.54 RT | 594.07 | -- | -- | 1 | -- | 1 | -- |
| 116 | RANDOLPH | 212+16.62 | 25.00 LT | 593.74 | -- | -- | 1 | -- | 1 | -- |
| 117 | RANDOLPH | 212+23.00 | 33.25 LT | 593.38 | -- | -- | -- | -- | -- | 1 |
| 118 | RANDOLPH | 212+87.15 | 32.77 LT | 594.33 | 33 | 1 | 1 | -- | 1 | -- |
| 119 | RANDOLPH | 213+25.56 | 32.85 LT | 594.73 | 9 | 1 | 1 | -- | 1 | -- |
| 120 | RANDOLPH | 213+39.47 | 32.63 LT | -- | -- | -- | -- | -- | -- | 1 |
| 121 | RANDOLPH | 214+02.44 | 24.53 RT | 595.80 | 212 | -- | 1 | -- | 1 | -- |
| 122 | RANDOLPH | 214+97.42 | 34.00 LT | 597.37 | 39 | -- | 1 | -- | 1 | -- |
| 123 | RANDOLPH | 215+77.80 | 31.93 LT | -- | -- | -- | -- | -- | -- | -- |
| 124 | RANDOLPH | 216+30.38 | 32.72 LT | 598.56 | -- | -- | 1 | 1 | -- | -- |
| TOTAL | | | | | 293 | 2 | 8 | 1 | 8 | 2 |

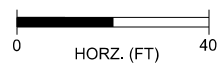
NOTE:

SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED. QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON THE UTILITY SHEETS.



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



FILE: DETR0062_Drain_003.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058



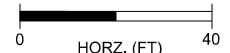
DRAINAGE
RANDOLPH ST STA 211+00 TO STA 216+00

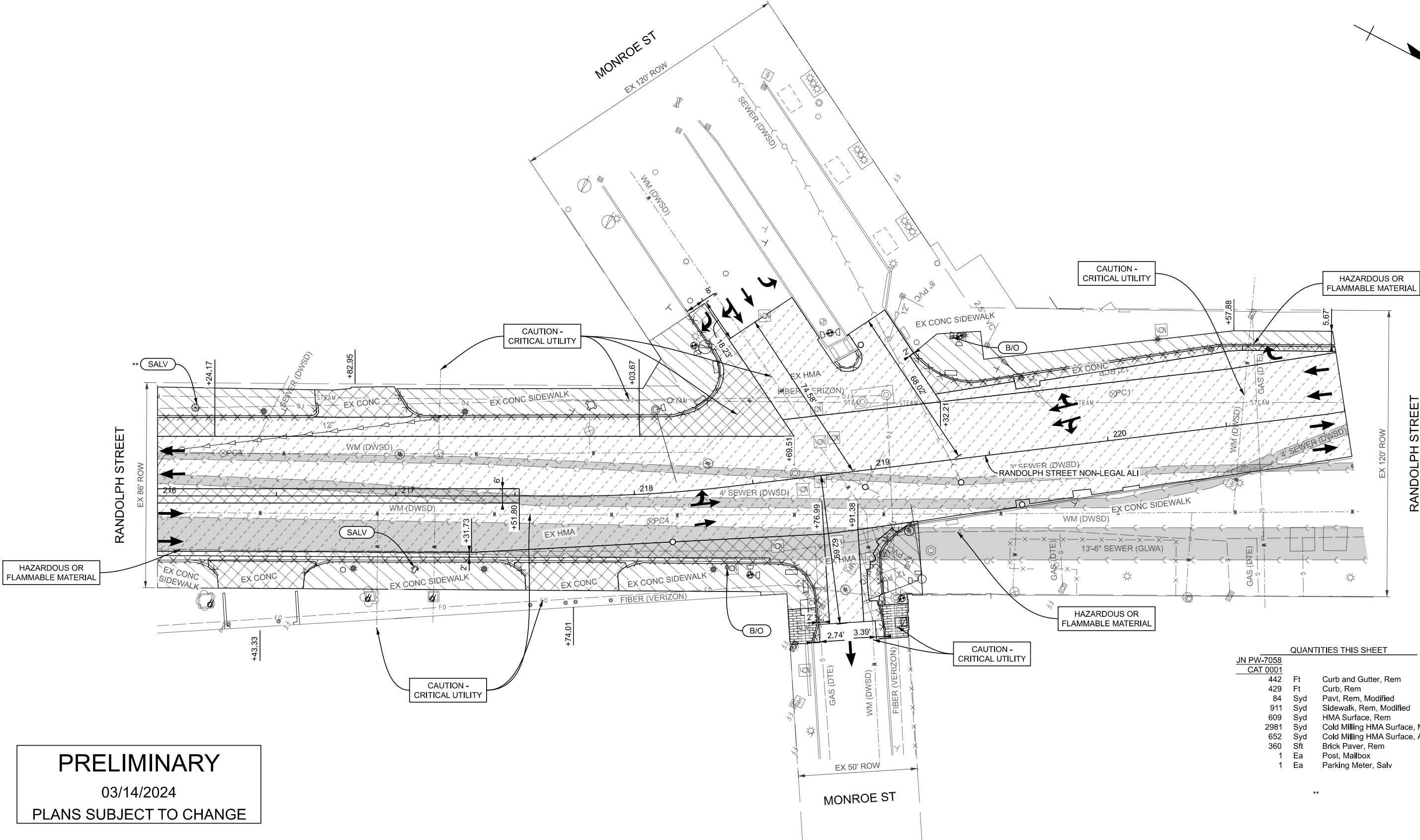
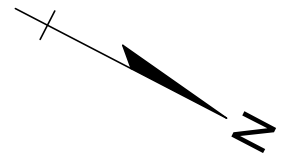
DRAWING SHEET
RANDRAIN 3 SECT 1

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| | | | |
|------------|----|---|--|
| JN PW-7058 | | | |
| CAT 0001 | | | |
| 18 | Ea | Dr Structure Cover, Adj, Case 1, Modified | |
| 11 | Ea | Dr Structure, Temp Lowering | |
| 2 | Ea | Dr Structure Cover, Adj, Case 2, Modified | |
| 29 | Ea | Dr Structure Cover, Type MH, Modified | |
| 4 | Ea | Dr Structure Cover, Type CB, Modified | |
| 10 | Ea | Water Shutoff, Adj, Case 1, Modified | |
| 5 | Ea | Water Shutoff, Adj, Case 2, Modified | |

| | | | | | | | | | | | | | | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|----------------------|-------------|--------------------------------------|--|-----------|--------|
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 | CS: | UTILITIES | | DRAWING | SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | RANDOLPH ST STA 211+00 TO STA 216+00 | | RAND UTIL | SECT 1 |
| | | | | | | | | FILE: DETR0062_Utility_003.dgn | TSC: | | | 3 | | | | |



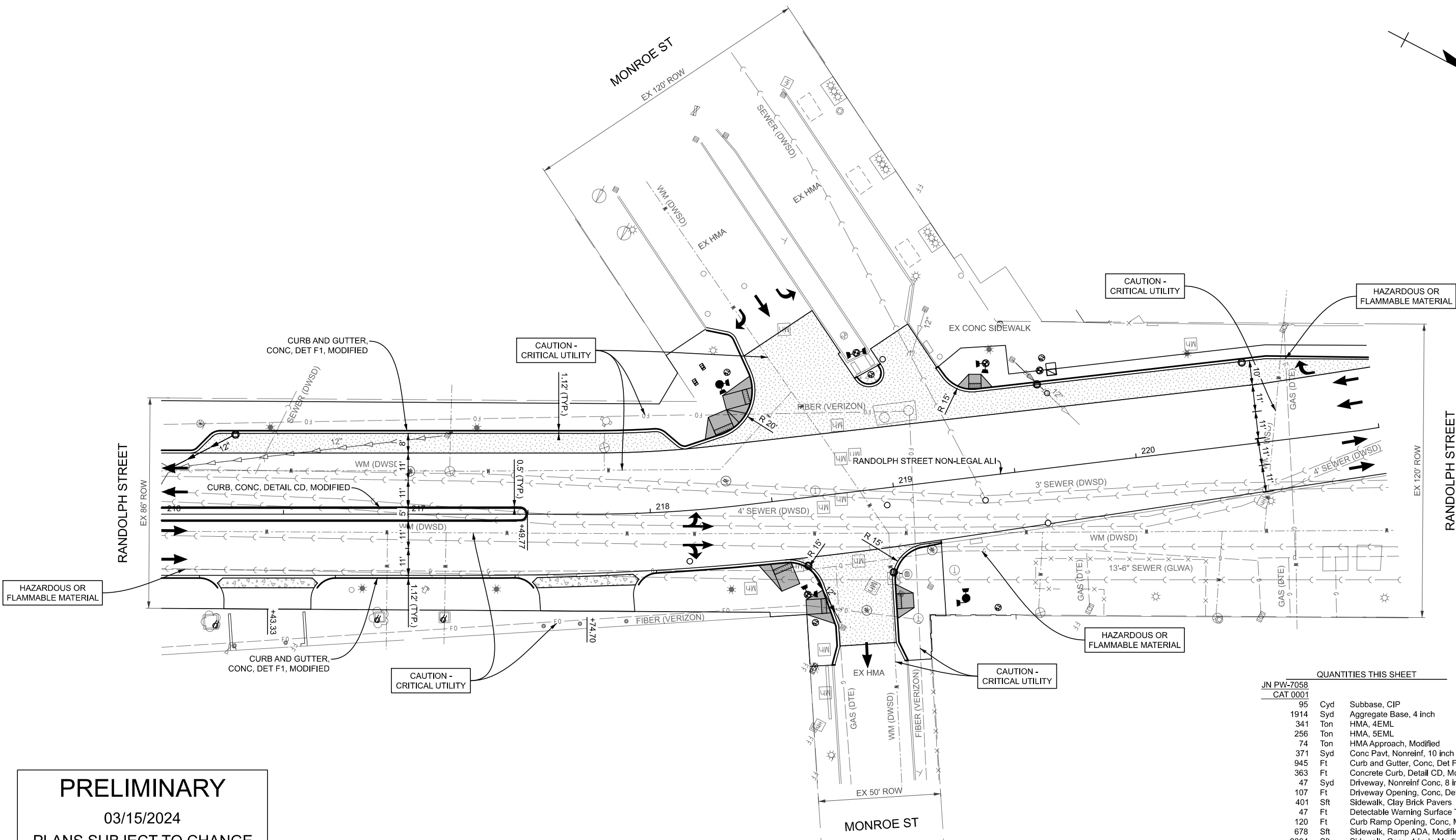
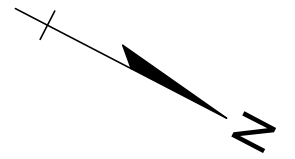
PRELIMINARY
03/14/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| | | |
|------------|-----|--|
| JN PW-7058 | | |
| CAT 0001 | | |
| 442 | Ft | Curb and Gutter, Rem |
| 429 | Ft | Curb, Rem |
| 84 | Syd | Pavt, Rem, Modified |
| 911 | Syd | Sidewalk, Rem, Modified |
| 609 | Syd | HMA Surface, Rem |
| 2981 | Syd | Cold Milling HMA Surface, Modified |
| 652 | Syd | Cold Milling HMA Surface, Approach, Modified |
| 360 | Sft | Brick Paver, Rem |
| 1 | Ea | Post, Mailbox |
| 1 | Ea | Parking Meter, Salv |

** COORDINATE WITH MUNICIPAL PARKING FOR REMOVAL AND REINSTALLATION OF PARKING METER, SALV

| | | | | | | | | | | | | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|----------------------------|------|--|----------------------|-------------|---------|---------------|
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 | CS: | REMOVAL | DRAWING SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | | |
| | | | | | | | | FILE: DETR0062_Rem_004.dgn | TSC: | | | RAND REM 4 | SECT 1 | |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

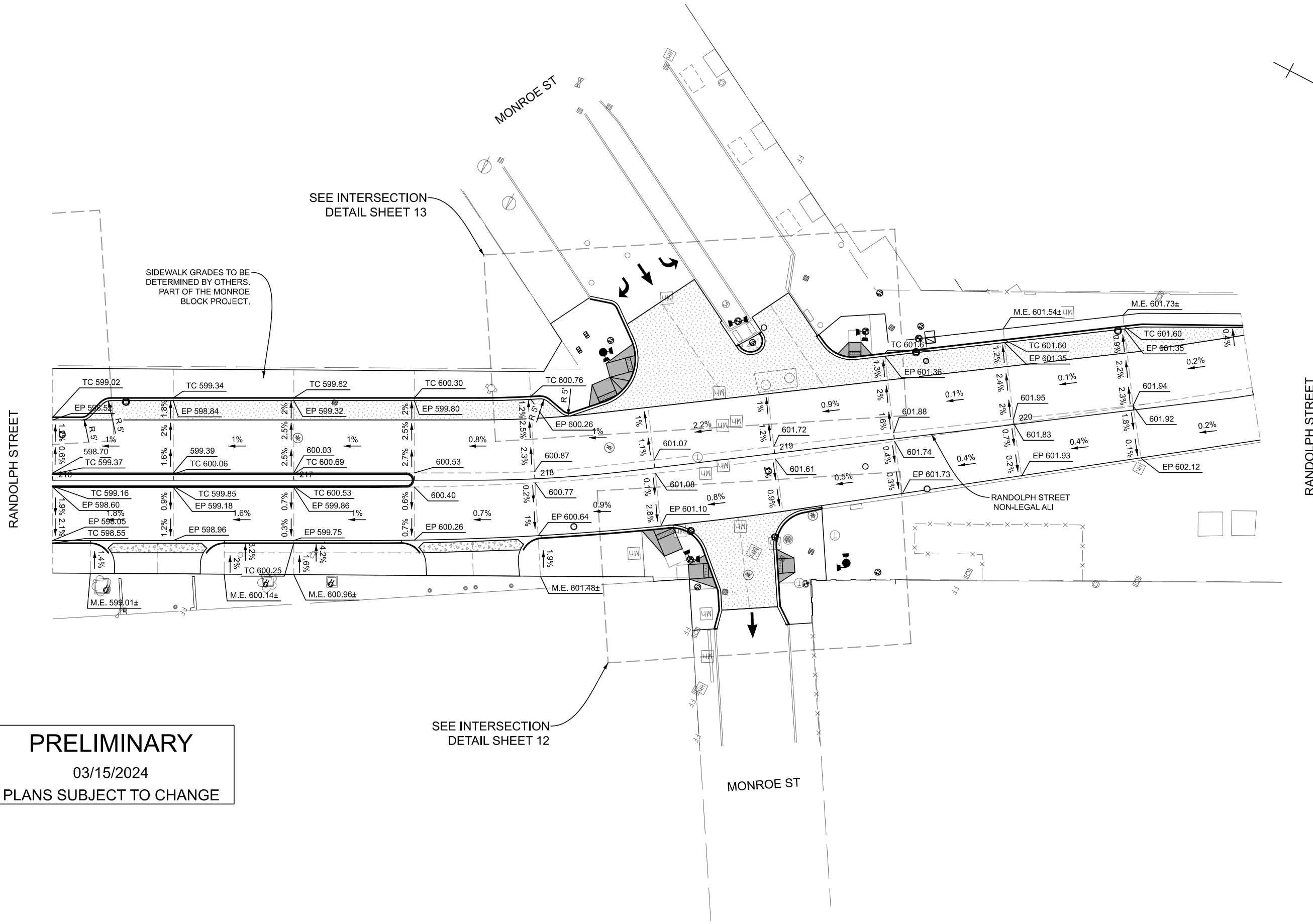
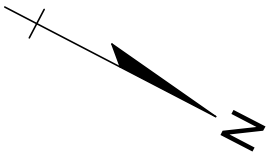
QUANTITIES THIS SHEET

| NO. | UNIT | DESCRIPTION |
|------------|------|---|
| JN PW-7058 | | |
| CAT 0001 | | |
| 95 | Cyd | Subbase, CIP |
| 1914 | Syd | Aggregate Base, 4 inch |
| 341 | Ton | HMA, 4EML |
| 256 | Ton | HMA, 5EML |
| 74 | Ton | HMA Approach, Modified |
| 371 | Syd | Conc Pavt, Nonreinf, 10 inch |
| 945 | Ft | Curb and Gutter, Conc, Det F1, Modified |
| 363 | Ft | Concrete Curb, Detail CD, Modified |
| 47 | Syd | Driveway, Nonreinf Conc, 8 inch, Modified |
| 107 | Ft | Driveway Opening, Conc, Det M |
| 401 | Sft | Sidewalk, Clay Brick Pavers |
| 47 | Ft | Detectable Warning Surface Tile, Modified |
| 120 | Ft | Curb Ramp Opening, Conc, Modified |
| 678 | Sft | Sidewalk, Ramp ADA, Modified |
| 9384 | Sft | Sidewalk, Conc, 4 inch, Modified |
| 864 | Sft | Sidewalk, Conc, 8 inch, Modified |
| 1 | Ea | Parking Meter, Reinstall |

NOTE:
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THE UTILITY SHEETS.

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 DESIGN UNIT: DETROIT TSC: | CS: JN: PW-7058 | CONSTRUCTION RANDOLPH ST STA 216+00 TO STA 221+00 | DRAWING RAND CON 4 | SHEET SECT 1 |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|--|--|--|--|--------------------|--|--------------------------|-----------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | | | |
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FILE: DETR0062_Con_004.dgn



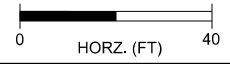
SIDEWALK GRADES TO BE DETERMINED BY OTHERS. PART OF THE MONROE BLOCK PROJECT.

SEE INTERSECTION DETAIL SHEET 13

SEE INTERSECTION DETAIL SHEET 12

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | | | | | |
|--------------------------|------|------|-------------|-----|------|-----------------|-------------|-----|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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FILE: DETR0062_Grade_004.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

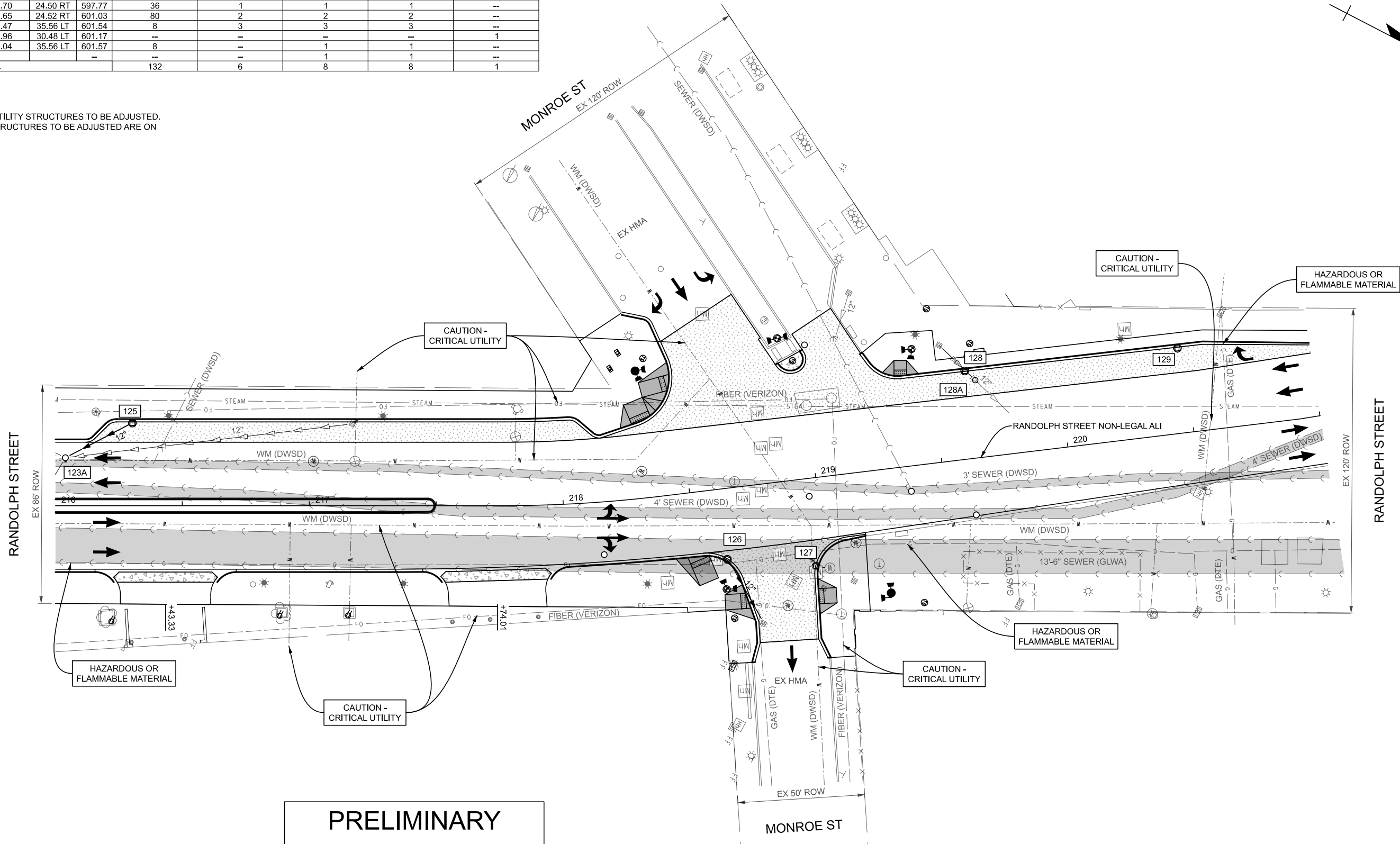
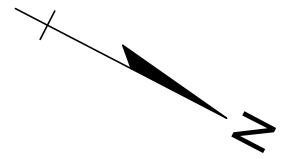
CS:
JN: PW-7058

GRADING
RANDOLPH ST STA 216+00 TO STA 221+00

DRAWING SHEET
RAND GRADE 4 SECT 1

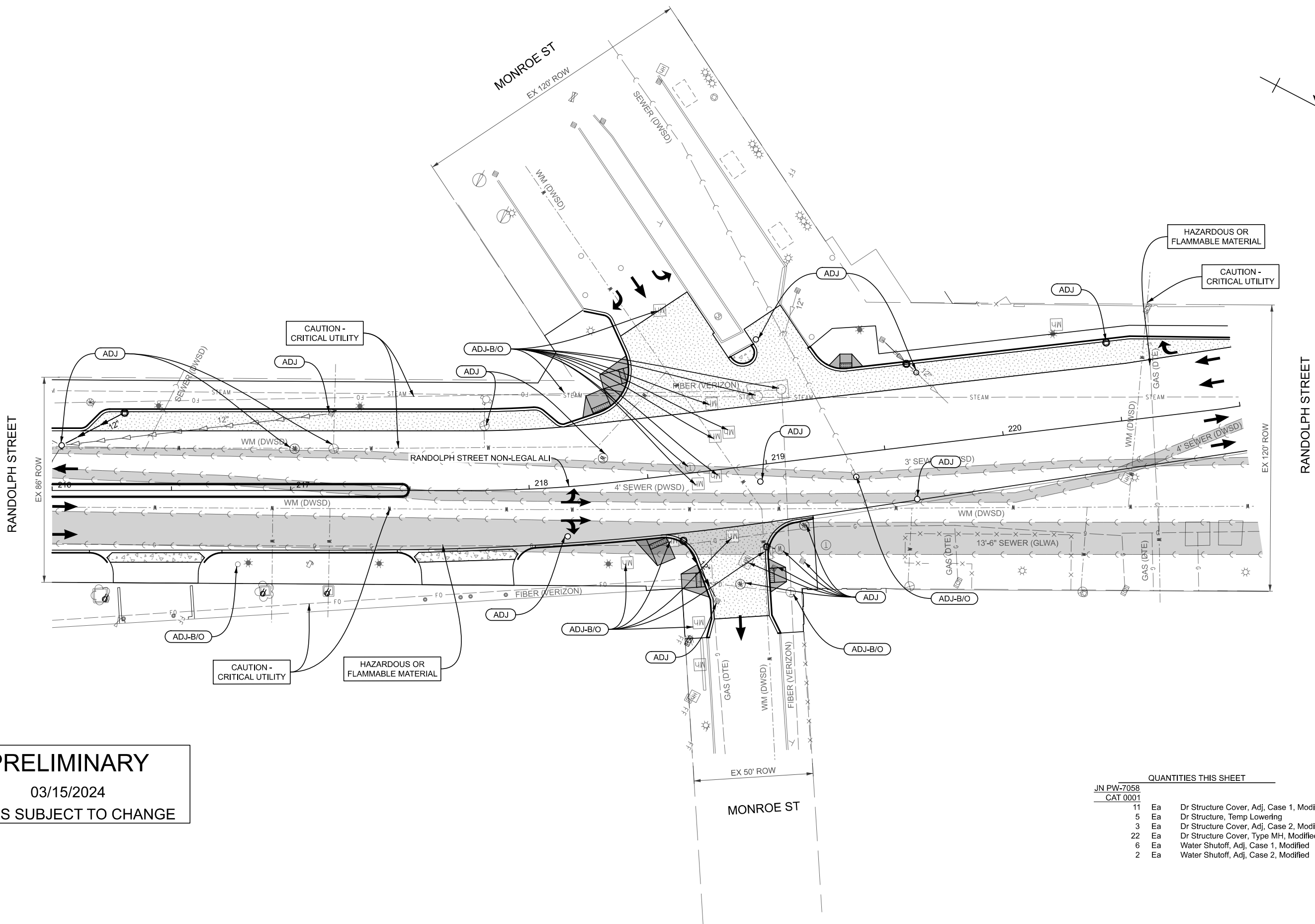
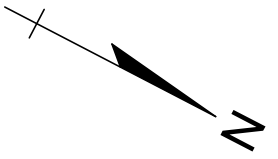
| DRAINAGE STRUCTURE AND SEWER TABLE | | | | | Sewer, CIA, 12 inch, Tr Det B | Sewer Tap, 12 inch | Dr Structure, 24 inch dia | Dr Structure Cover, Type CB, Modified | Dr Structure Cover, Type MH, Modified |
|------------------------------------|-----------|-----------|----------|-------------|-------------------------------------|-----------------------|------------------------------|---|---|
| STRUCT NO. | ALIGNMENT | STATION | OFFSET | RIM ELEV | Ft | Ea | Ea | Ea | Ea |
| | | | FT | | | | | | |
| 125 | RANDOLPH | 215+77.70 | 24.50 RT | 597.77 | 36 | 1 | 1 | 1 | -- |
| 126 | RANDOLPH | 218+51.65 | 24.52 RT | 601.03 | 80 | 2 | 2 | 2 | -- |
| 127 | RANDOLPH | 219+62.47 | 35.56 LT | 601.54 | 8 | 3 | 3 | 3 | -- |
| 127A | RANDOLPH | 219+66.96 | 30.48 LT | 601.17 | -- | -- | -- | -- | 1 |
| 128 | RANDOLPH | 220+52.04 | 35.56 LT | 601.57 | 8 | -- | 1 | 1 | -- |
| 129 | RANDOLPH | -- | -- | -- | -- | -- | 1 | 1 | -- |
| TOTAL | | | | | 132 | 6 | 8 | 8 | 1 |

NOTE:
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THE UTILITY SHEETS.



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



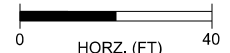
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| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 | CS: | DRAINAGE | DRAWING SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | | |
| | | | | | | | | FILE: DETR0062_Drain_004.dgn | TSC: | | | RAND DRAIN 4 | SECT 1 | |



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

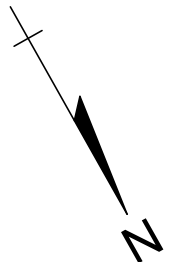
QUANTITIES THIS SHEET

| NO. | QTY | DESCRIPTION |
|-----|-----|---|
| 11 | Ea | Dr Structure Cover, Adj, Case 1, Modified |
| 5 | Ea | Dr Structure, Temp Lowering |
| 3 | Ea | Dr Structure Cover, Adj, Case 2, Modified |
| 22 | Ea | Dr Structure Cover, Type MH, Modified |
| 6 | Ea | Water Shutoff, Adj, Case 1, Modified |
| 2 | Ea | Water Shutoff, Adj, Case 2, Modified |

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 | CS: | UTILITIES RANDOLPH ST STA 216+00 TO STA 221+00 | DRAWING | SHEET |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|----------------------|-------------|--|-----------|--------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | | RAND UTIL | SECT 1 |
| | | | | | | | | | | | | | | | |

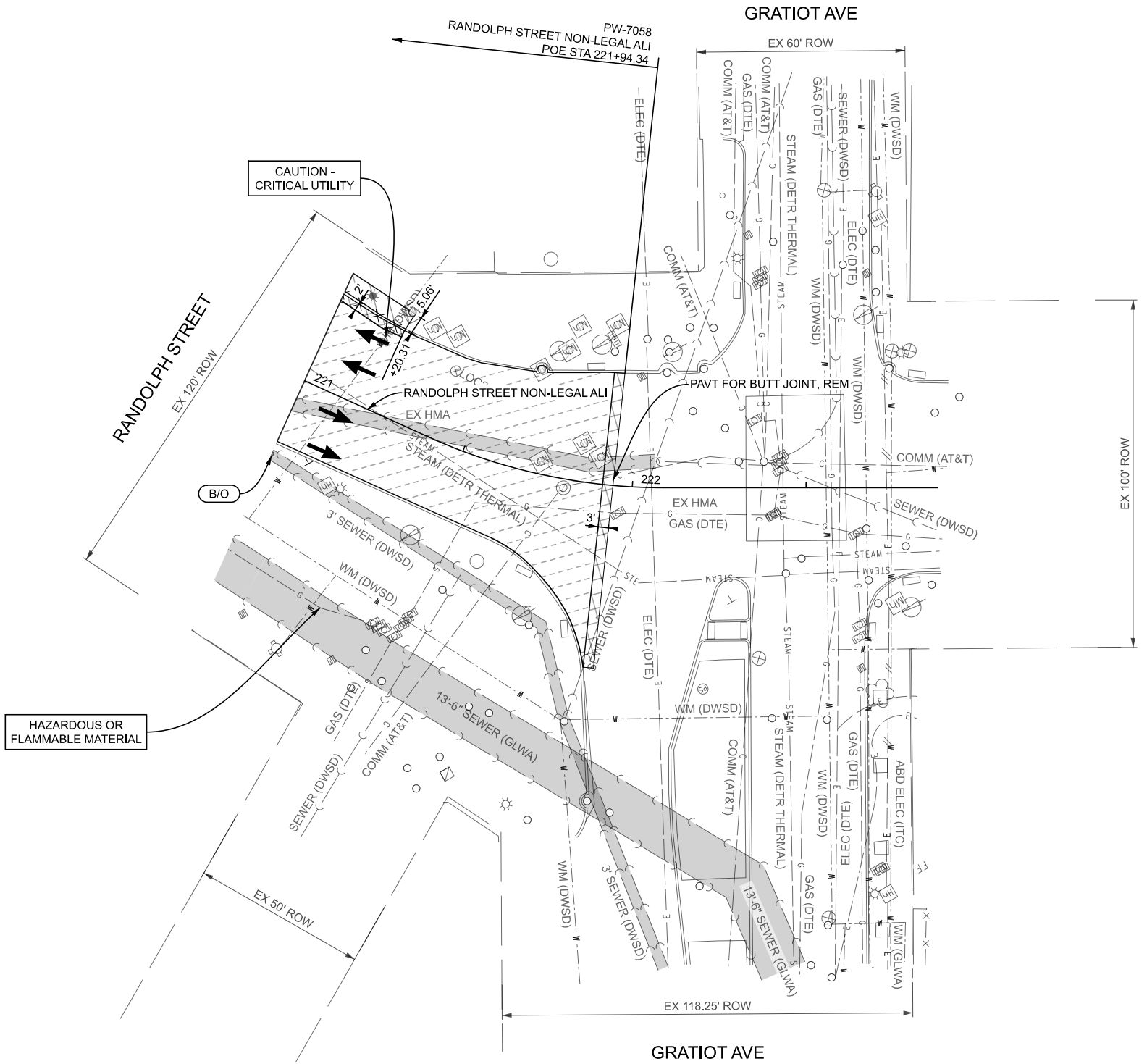
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TSC:

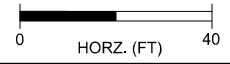


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| QUANTITIES THIS SHEET | | | |
|-----------------------|-----|--|--|
| JN PW-7058 | | | |
| CAT 0001 | | | |
| 29 | Ft | Curb, Rem | |
| 16 | Syd | Sidewalk, Rem, Modified | |
| 41 | Syd | HMA Surface, Rem | |
| 602 | Syd | Cold Milling HMA Surface, Approach, Modified | |



| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | |
|--------------------------|------|------|-------------|-----|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



FILE: DETR0062_Rem_005.dgn

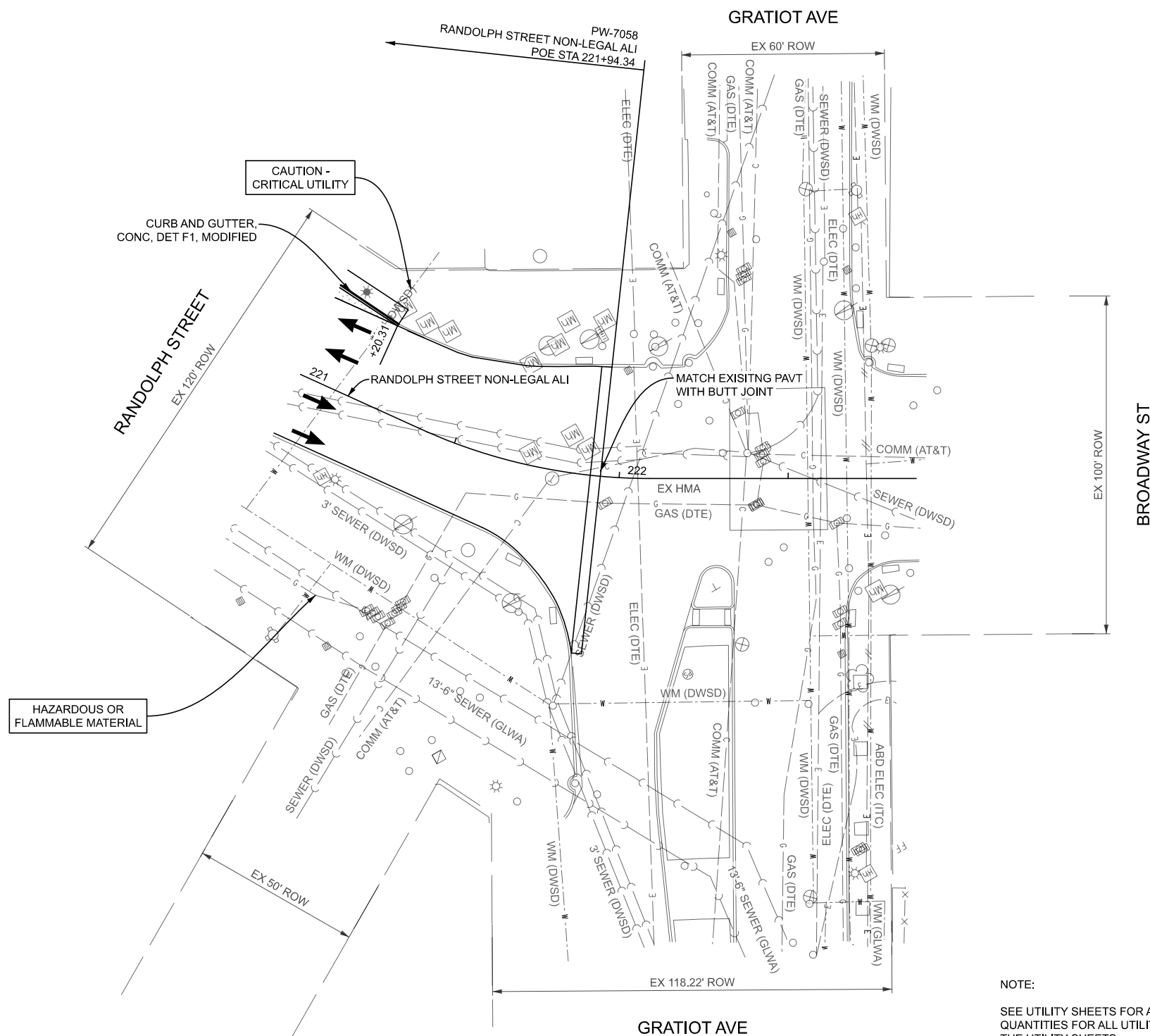
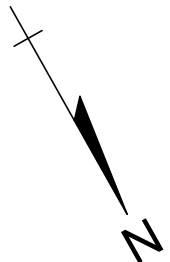
DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

REMOVAL

RANDOLPH ST STA 221+00 TO STA 221+94.34 POE

DRAWING SHEET
RAND REM 5 SECT 1



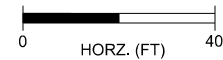
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| JN PW-7058 | | |
|------------|-----|---|
| CAT 0001 | | |
| 3 | Cyd | Subbase, CIP |
| 24 | Syd | Aggregate Base, 4 inch |
| 66 | Ton | HMA, 4EML |
| 50 | Ton | HMA, 5EML |
| 2 | Ton | HMA Approach, Modified |
| 4 | Syd | Conc Pavt, Nonreinf, 10 inch |
| 26 | Ft | Curb and Gutter, Conc, Det F1, Modified |
| 126 | Sft | Sidewalk, Conc, 4 inch, Modified |

NOTE:
SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED.
QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON
THE UTILITY SHEETS.

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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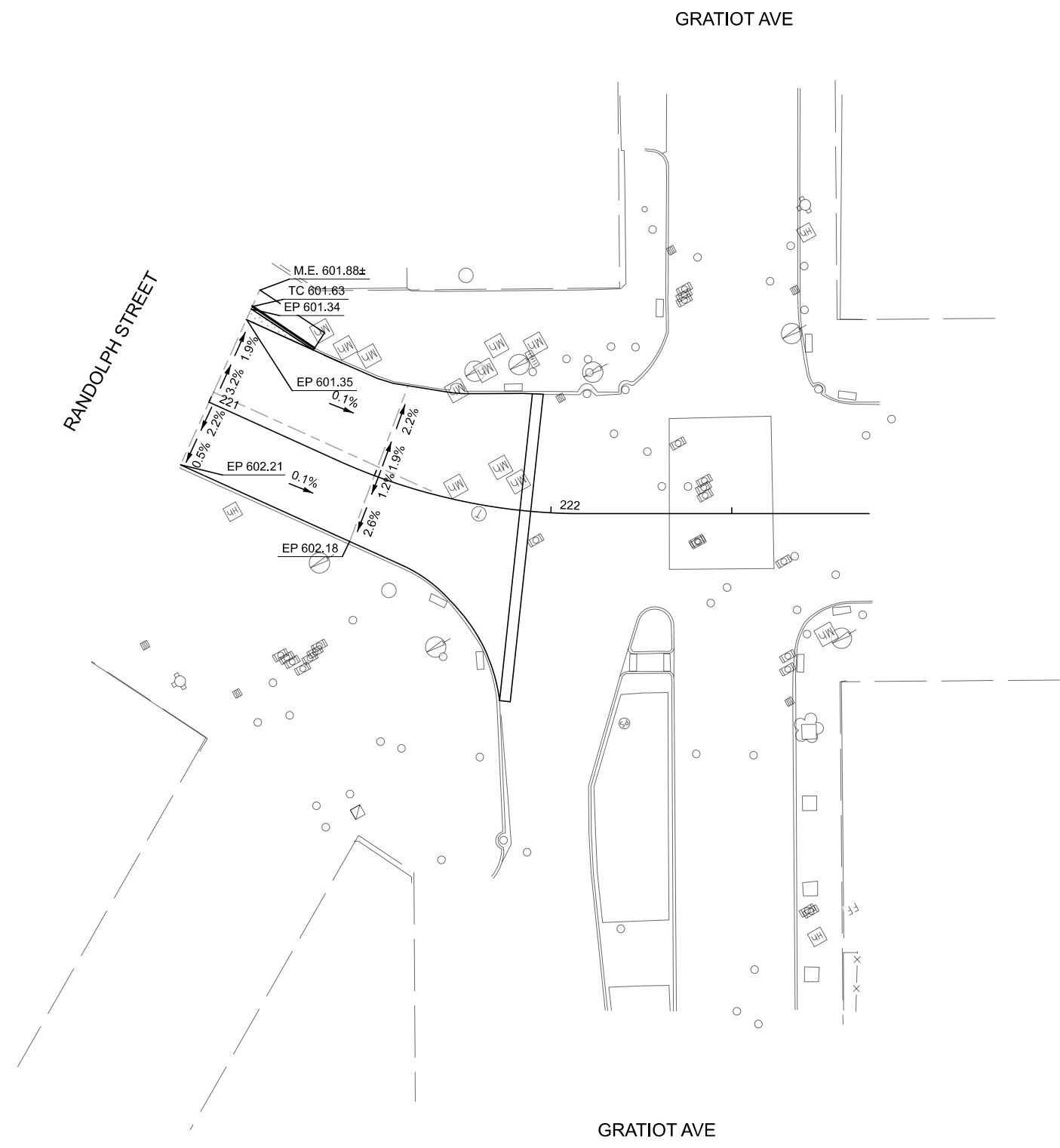
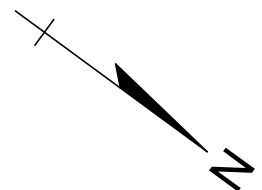
DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Con_005.dgn

CS:
JN: PW-7058

CONSTRUCTION

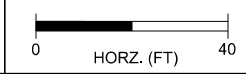
RANDOLPH ST STA 221+00 TO STA 221+94.34 POE

| | |
|----------|-------|
| DRAWING | SHEET |
| RAND CON | 5 |
| SECT | 1 |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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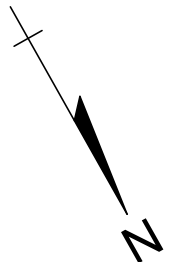
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

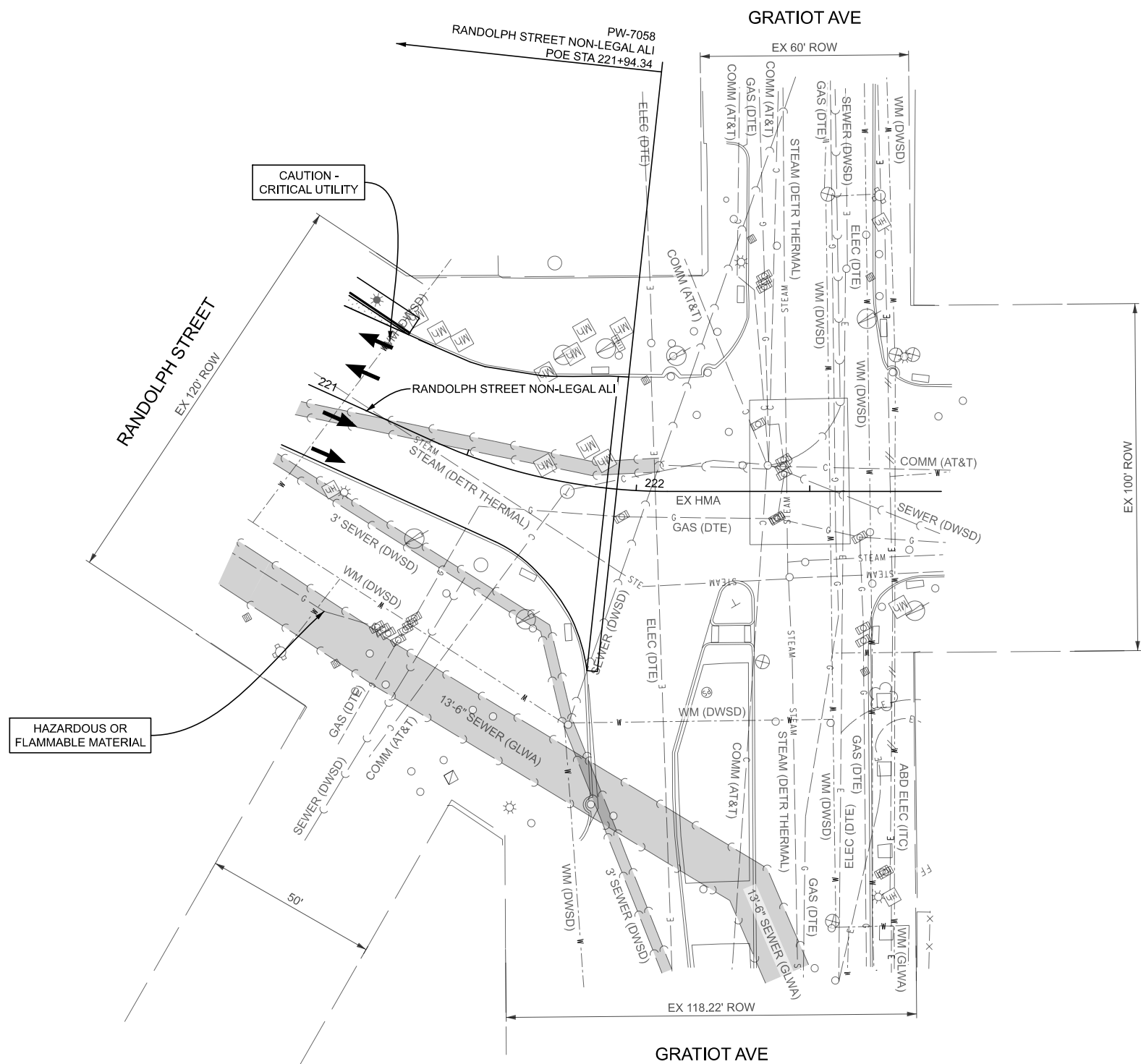
CS:
JN: PW-7058

GRADING
RANDOLPH ST STA 221+00 TO STA 221+94.34 POE

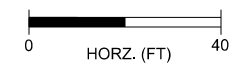
DRAWING SHEET
XXX SECT 1
GRADE 5



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



FILE: DETR0062_Drain_005.dgn

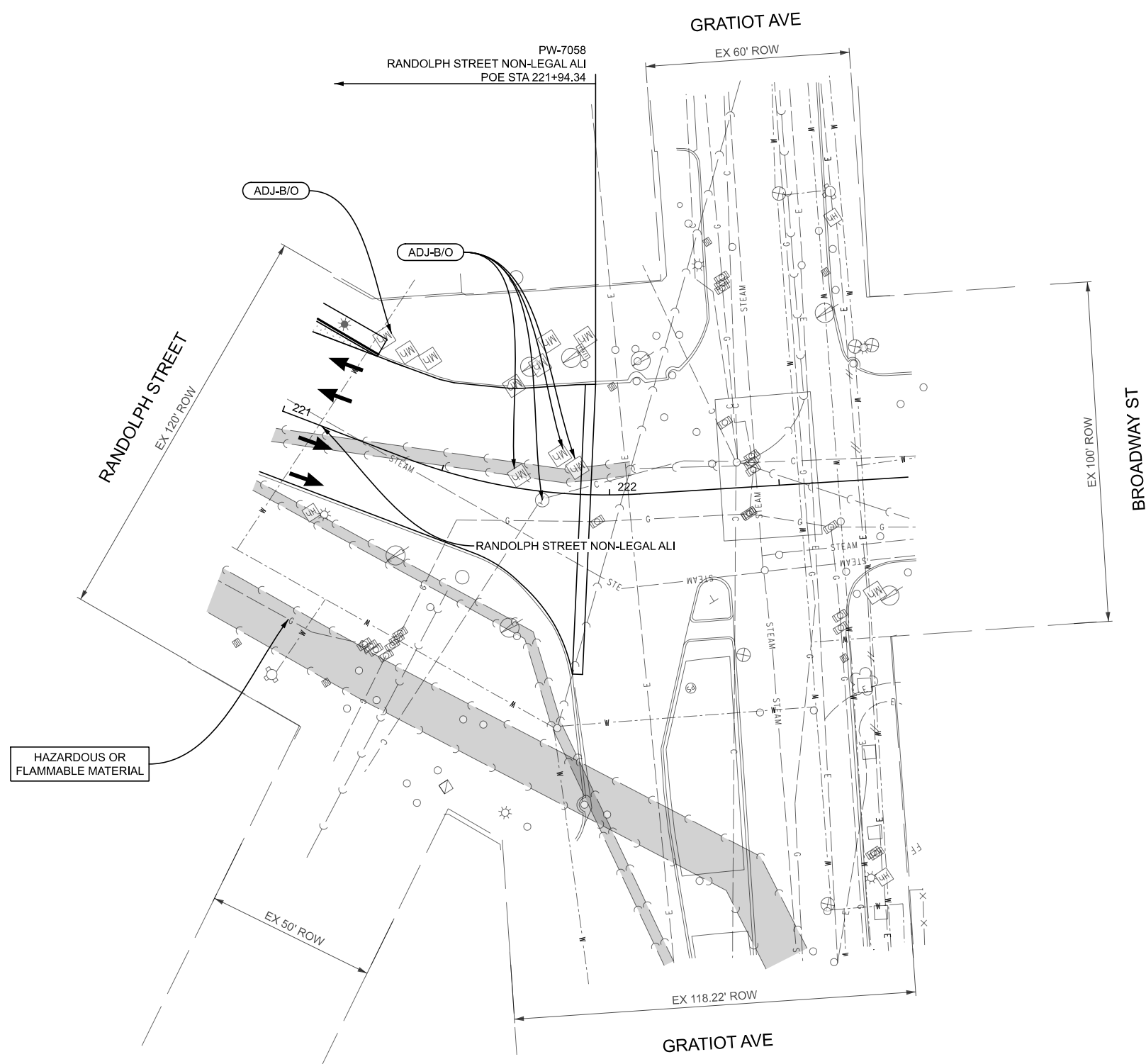
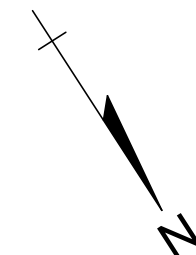
DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058



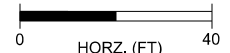
DRAINAGE

RANDOLPH ST STA 221+00 TO STA 221+94.34 POE

DRAWING SHEET
RAND DRAIN 5 SECT 1

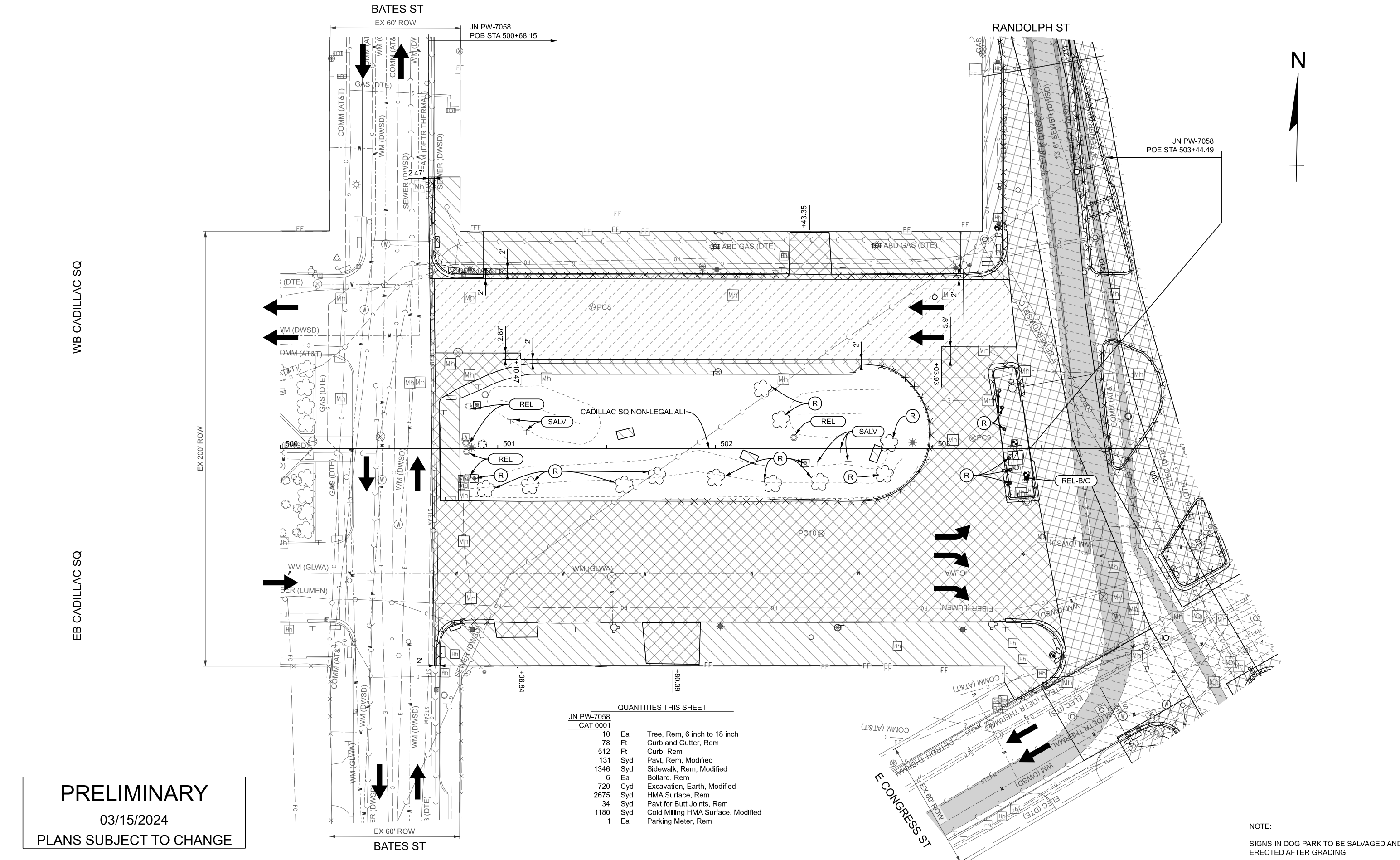


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 | | CS: | | UTILITIES | | DRAWING | SHEET |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|----------------------|------|-------------|---|-----------|-----------|---------|-------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | TSC: | JN: PW-7058 | RANDOLPH ST STA 221+00 TO STA 221+94.34 POE | | RAND UTIL | SECT 1 | |
| | | | | | | | | | | | | | | | | | | |
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FILE: DETR0062_Utility_005.dgn

RAND UTIL 5



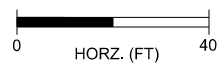
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| JN PW-7058 | | CAT 0001 | |
|------------|-----|------------------------------------|--|
| 10 | Ea | Tree, Rem, 6 inch to 18 inch | |
| 78 | Ft | Curb and Gutter, Rem | |
| 512 | Ft | Curb, Rem | |
| 131 | Syd | Pavt, Rem, Modified | |
| 1346 | Syd | Sidewalk, Rem, Modified | |
| 6 | Ea | Bollard, Rem | |
| 720 | Cyd | Excavation, Earth, Modified | |
| 2675 | Syd | HMA Surface, Rem | |
| 34 | Syd | Pavt for Butt Joints, Rem | |
| 1180 | Syd | Cold Milling HMA Surface, Modified | |
| 1 | Ea | Parking Meter, Rem | |

NOTE:
SIGNS IN DOG PARK TO BE SALVAGED AND
ERECTED AFTER GRADING.

| FINAL ROW PLAN REVISIONS | | | SUBMITTAL DATE: | | |
|--------------------------|------|------|-----------------|------|------|
| NO. | DATE | AUTH | NO. | DATE | AUTH |
| | | | | | |



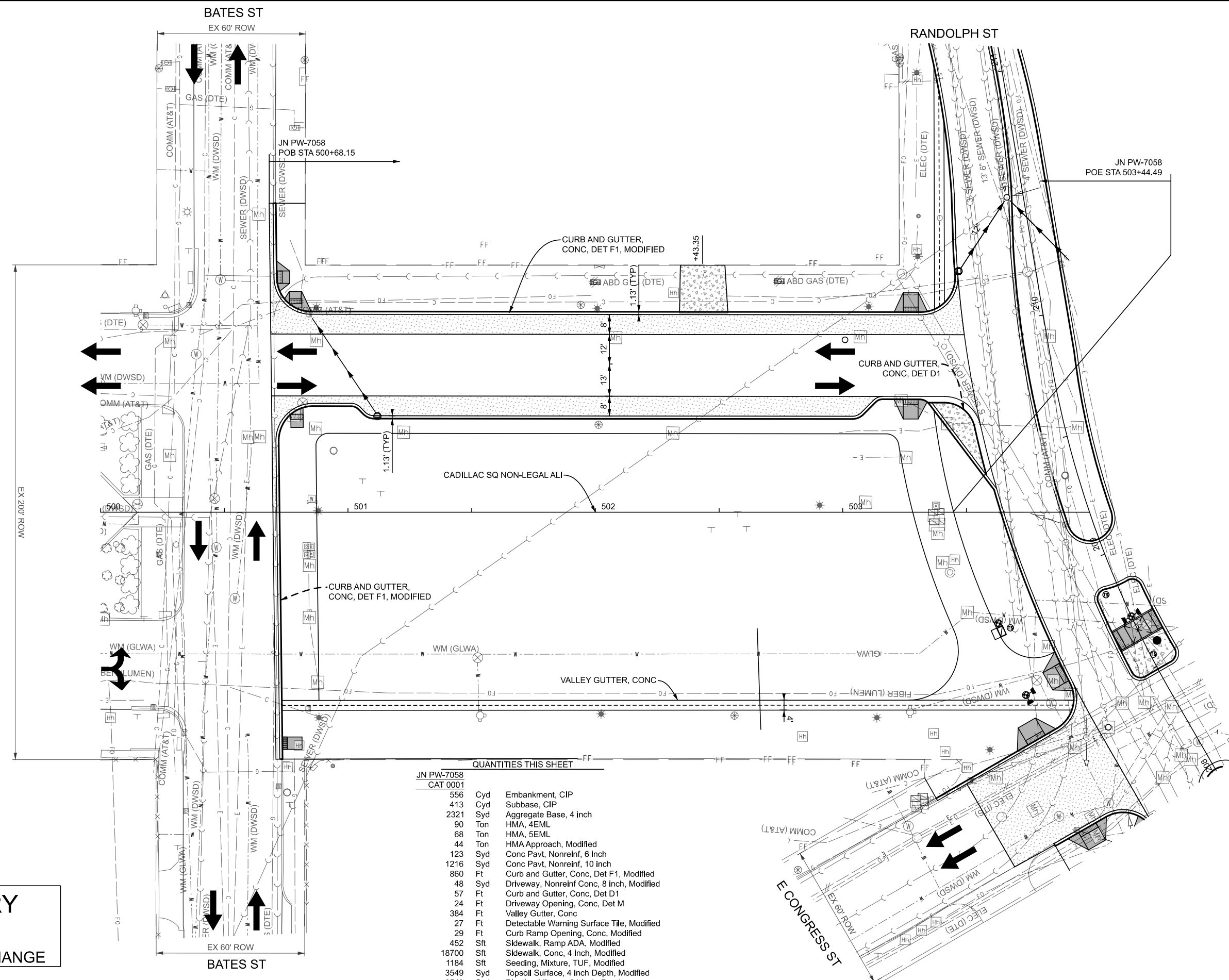
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

REMOVAL
CADILLAC SQ STA 500+68.15 TO STA 503+44.49

DRAWING SHEET
CADI REM 6 SECT 1



WB CADILLAC SQ

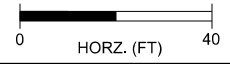
EB CADILLAC SQ

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| | | |
|------------|-----|---|
| JN PW-7058 | | |
| CAT 0001 | | |
| 556 | Cyd | Embankment, CIP |
| 413 | Cyd | Subbase, CIP |
| 2321 | Syd | Aggregate Base, 4 inch |
| 90 | Ton | HMA, 4EML |
| 68 | Ton | HMA, 5EML |
| 44 | Ton | HMA Approach, Modified |
| 123 | Syd | Conc Pavt, Nonreinf, 6 inch |
| 1216 | Syd | Conc Pavt, Nonreinf, 10 inch |
| 860 | Ft | Curb and Gutter, Conc, Det F1, Modified |
| 48 | Syd | Driveway, Nonreinf Conc, 8 inch, Modified |
| 57 | Ft | Curb and Gutter, Conc, Det D1 |
| 24 | Ft | Driveway Opening, Conc, Det M |
| 384 | Ft | Valley Gutter, Conc |
| 27 | Ft | Detectable Warning Surface Tile, Modified |
| 29 | Ft | Curb Ramp Opening, Conc, Modified |
| 452 | Sft | Sidewalk, Ramp ADA, Modified |
| 18700 | Sft | Sidewalk, Conc, 4 inch, Modified |
| 1184 | Sft | Seeding, Mixture, TUF, Modified |
| 3549 | Syd | Topsoil Surface, 4 inch Depth, Modified |
| 3549 | Syd | Planting Mixture, 24 inch, Depth |

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
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FILE: DETR0062_Con_006.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

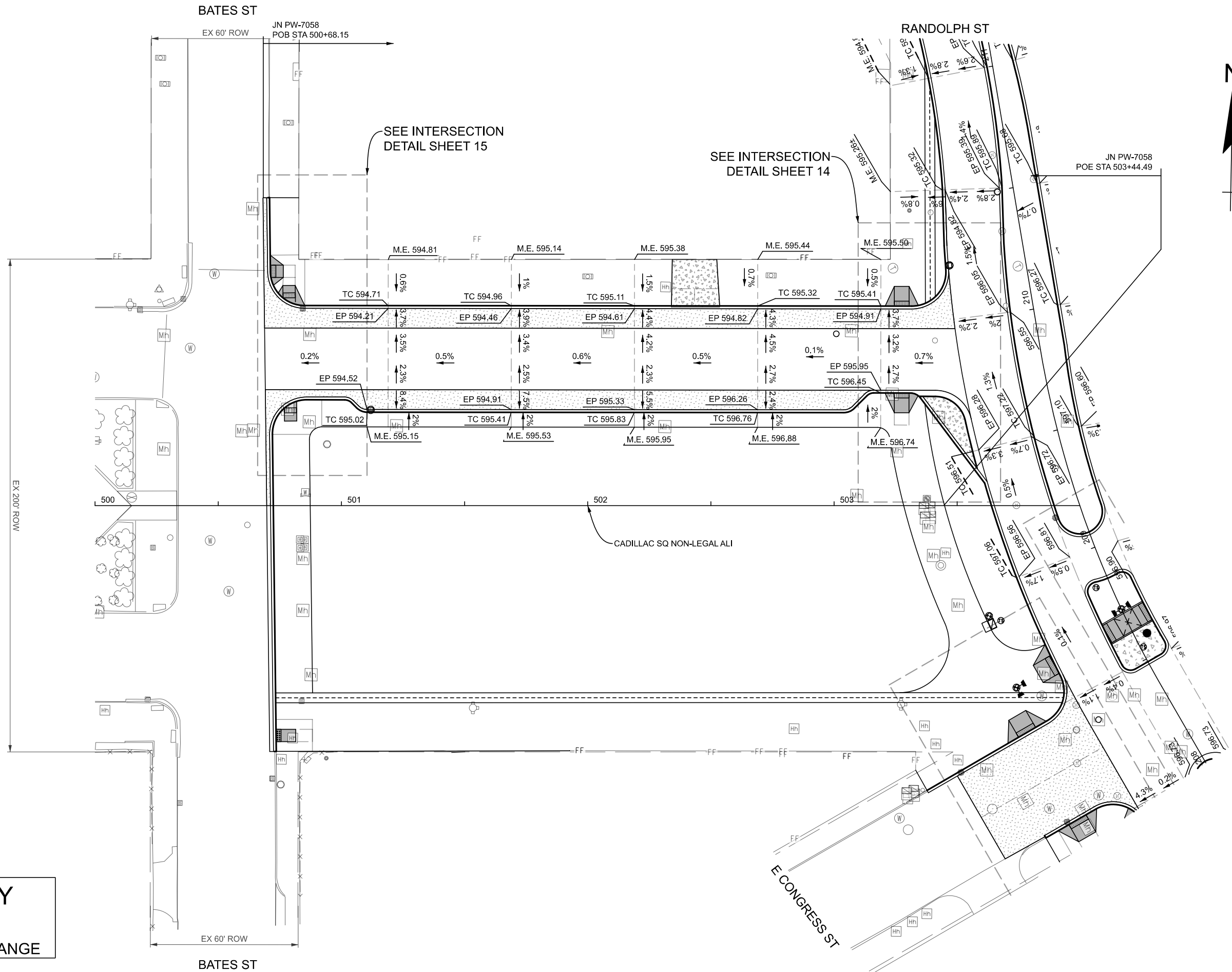
CONSTRUCTION
CADILLAC SQ STA 500+68.15 TO STA 503+44.49

DRAWING SHEET
CADI CON 6 SECT 1

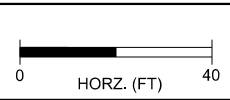
WB CADILLAC SQ

EB CADILLAC SQ

PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE



| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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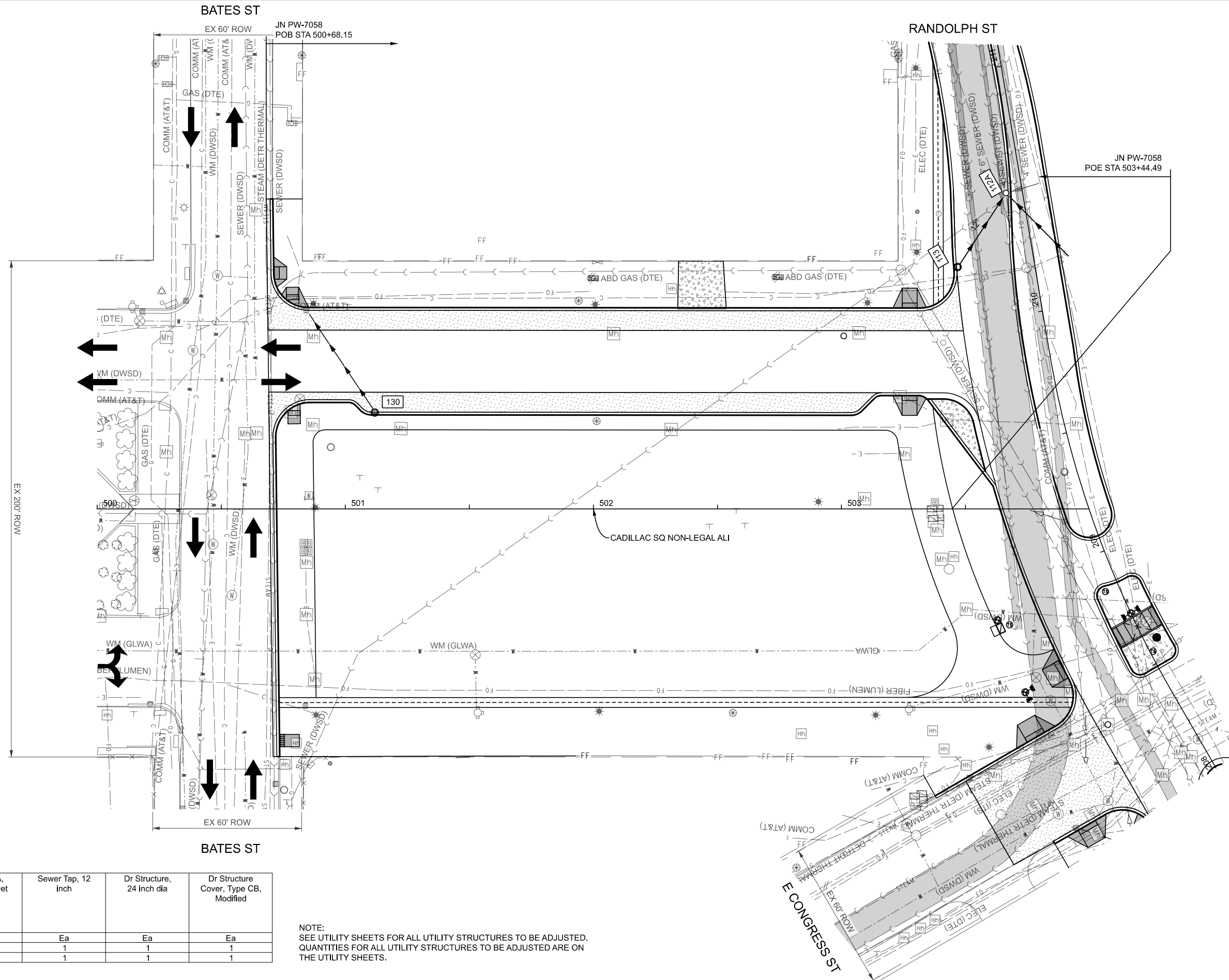


DATE: 03/15/24
 DESIGN UNIT: DETROIT
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CS:
 JN: PW-7058

GRADING
 CADILLAC SQ STA 500+68.15 TO STA 503+44.49

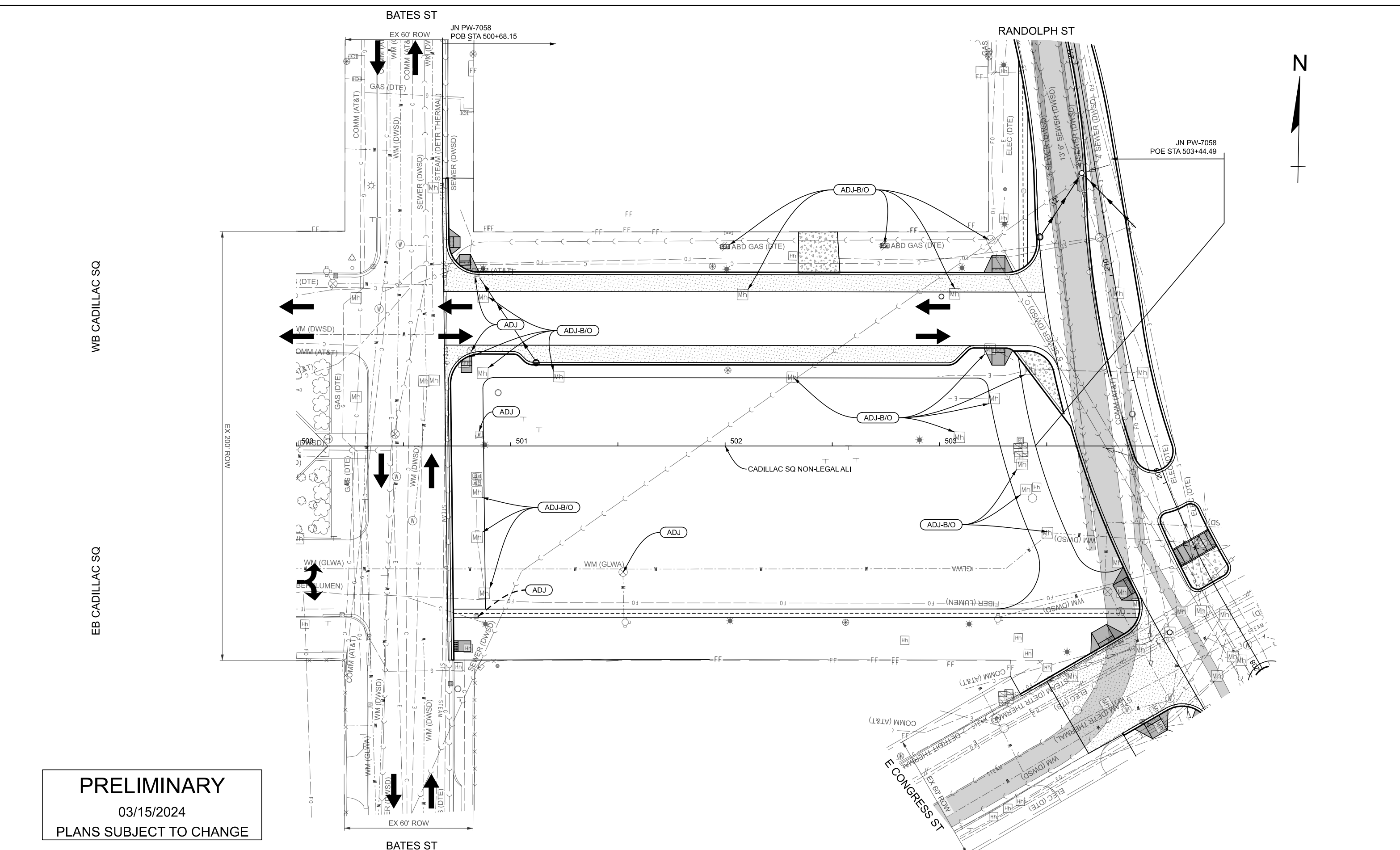
DRAWING SHEET
 CADI GRADE 6 SECT 1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| DRAINAGE STRUCTURE AND SEWER TABLE | | | | | Sewer, CIA, 12 inch, Tr Det B | Sewer Tap, 12 inch | Dr Structure, 24 inch dia | Dr Structure Cover, Type CB, Modified |
|------------------------------------|-------------|---------|--------|----------|-------------------------------|--------------------|---------------------------|---------------------------------------|
| STRUCT NO. | ALIGNMENT | STATION | OFFSET | RIM ELEV | Ft | Ea | Ea | Ea |
| | | | FT | -- | | | | |
| 130 | CADILLAC SQ | - | | | 57 | 1 | 1 | 1 |
| TOTAL | | | | | 57 | 1 | 1 | 1 |

NOTE:
SEE UTILITY SHEETS FOR ALL UTILITY STRUCTURES TO BE ADJUSTED.
QUANTITIES FOR ALL UTILITY STRUCTURES TO BE ADJUSTED ARE ON THE UTILITY SHEETS.

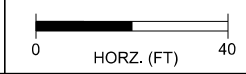


WB CADILLAC SQ

EB CADILLAC SQ

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
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| NO. | DATE | AUTH | DESCRIPTION |
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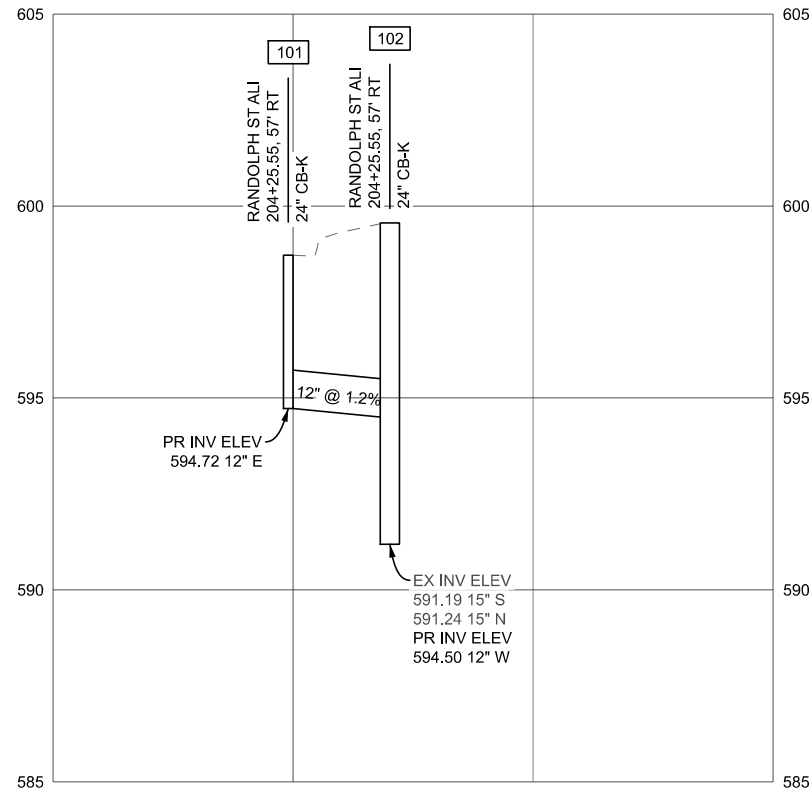
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

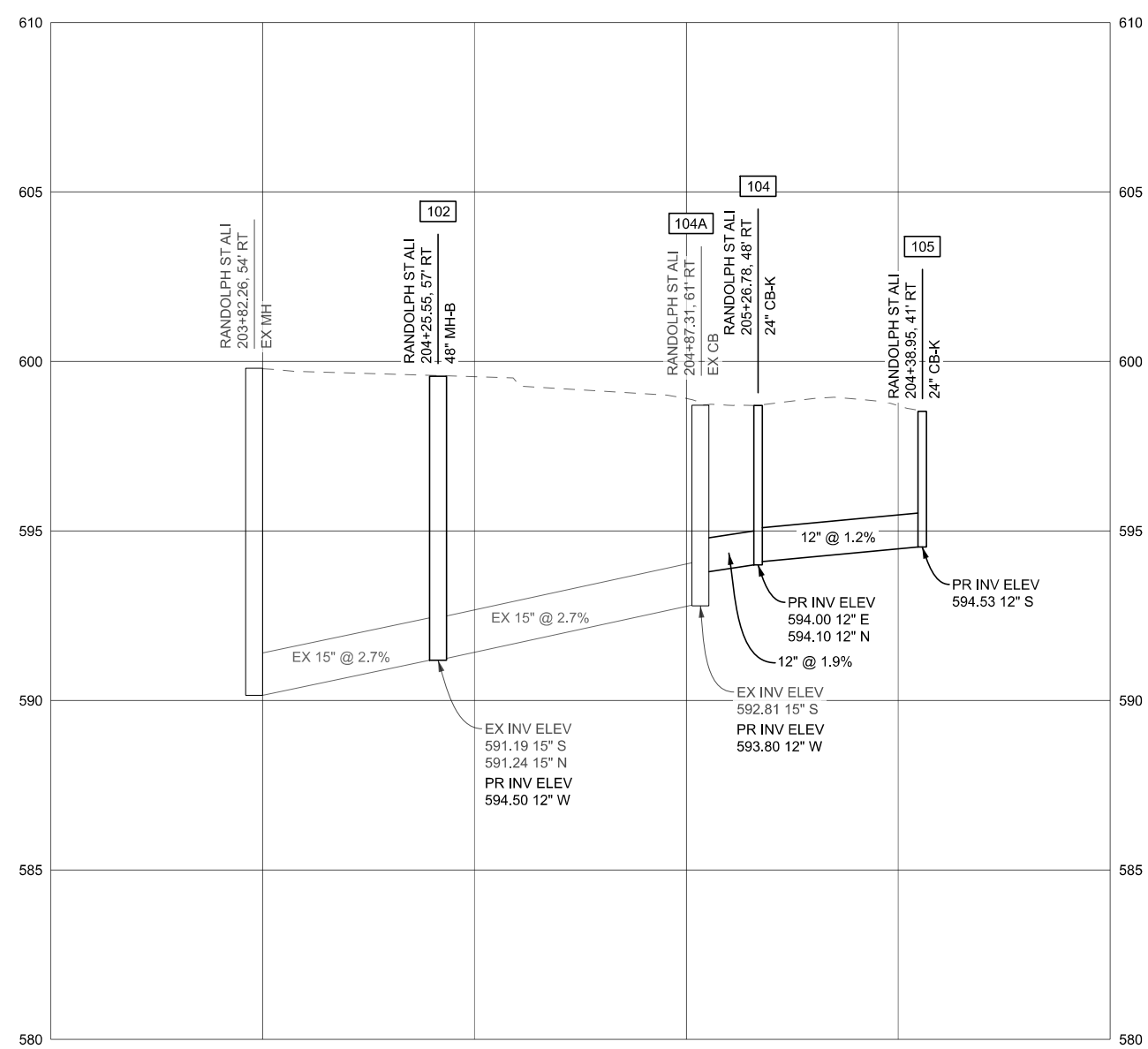
UTILITIES
CADILLAC SQ STA 500+68.15 TO STA 503+44.49

DRAWING SHEET
CADI UTIL 6 SECT 1



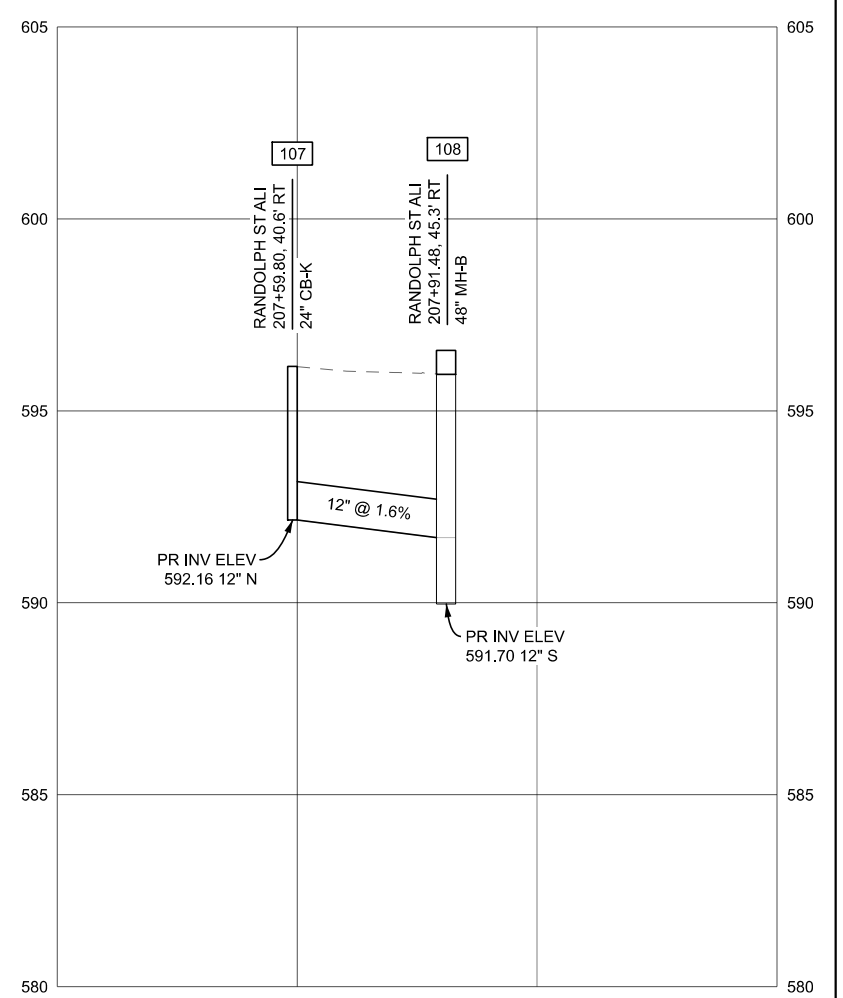
STORM SEWER PROFILE

SECTION APPLIES TO:
CB-101 TO CB-102



STORM SEWER PROFILE

SECTION APPLIES TO:
CB-102 TO CB-105



STORM SEWER PROFILE

SECTION APPLIES TO:
CB-107 TO CB-108

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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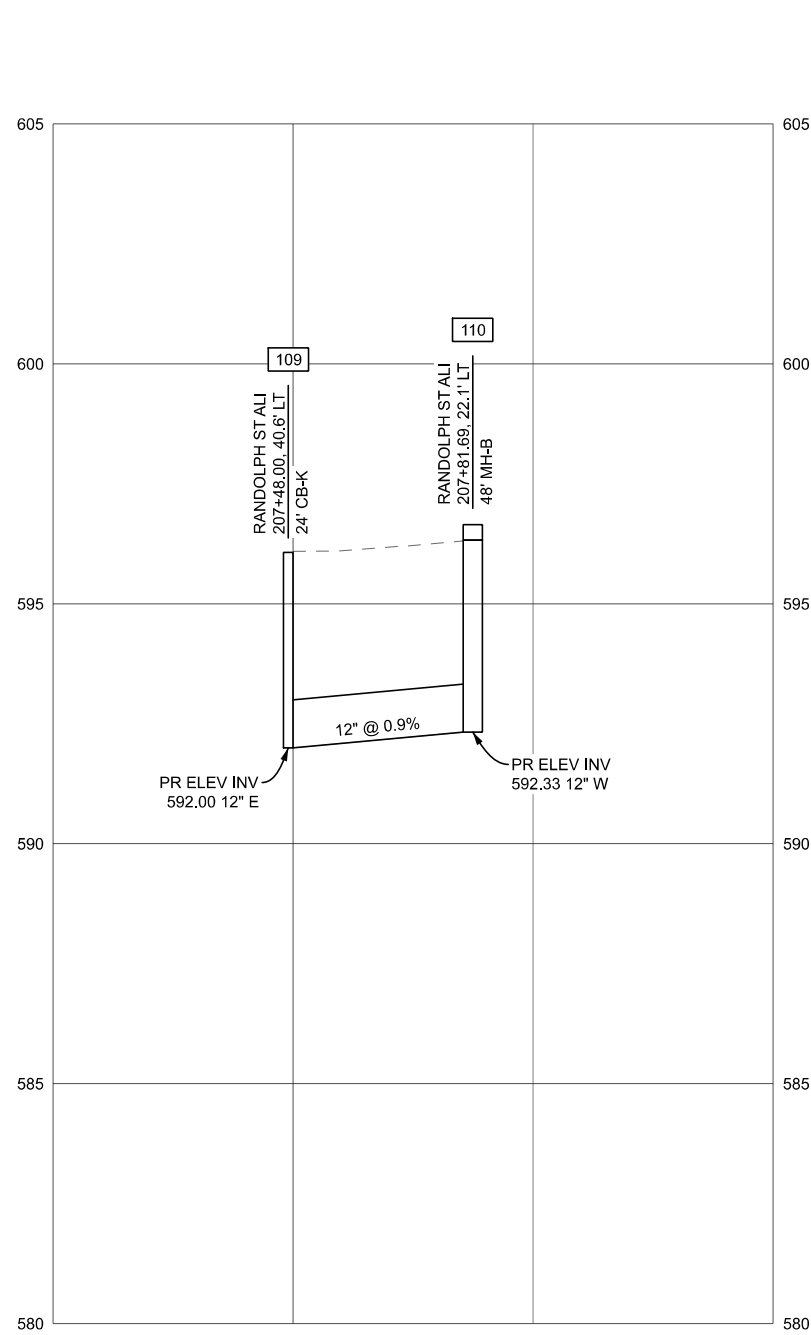


DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Drain_Prof_001.dgn

CS:
JN: PW-7058

DRAINAGE PROFILE
RANDOLPH ST STA 204+25.55 TO STA 207+91.48

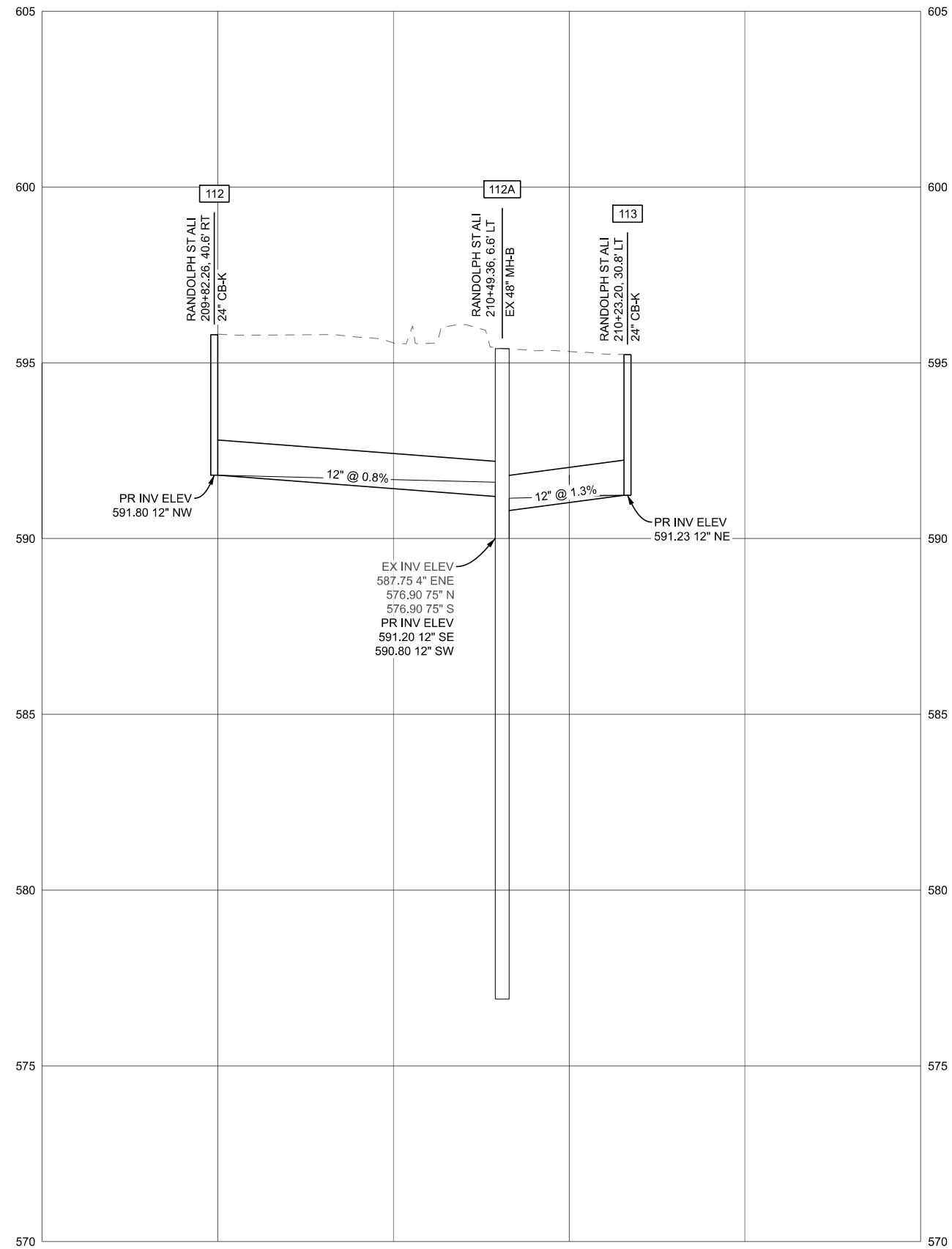
DRAWING SHEET
RAND DRPROF 1 SECT 1



STORM SEWER PROFILE

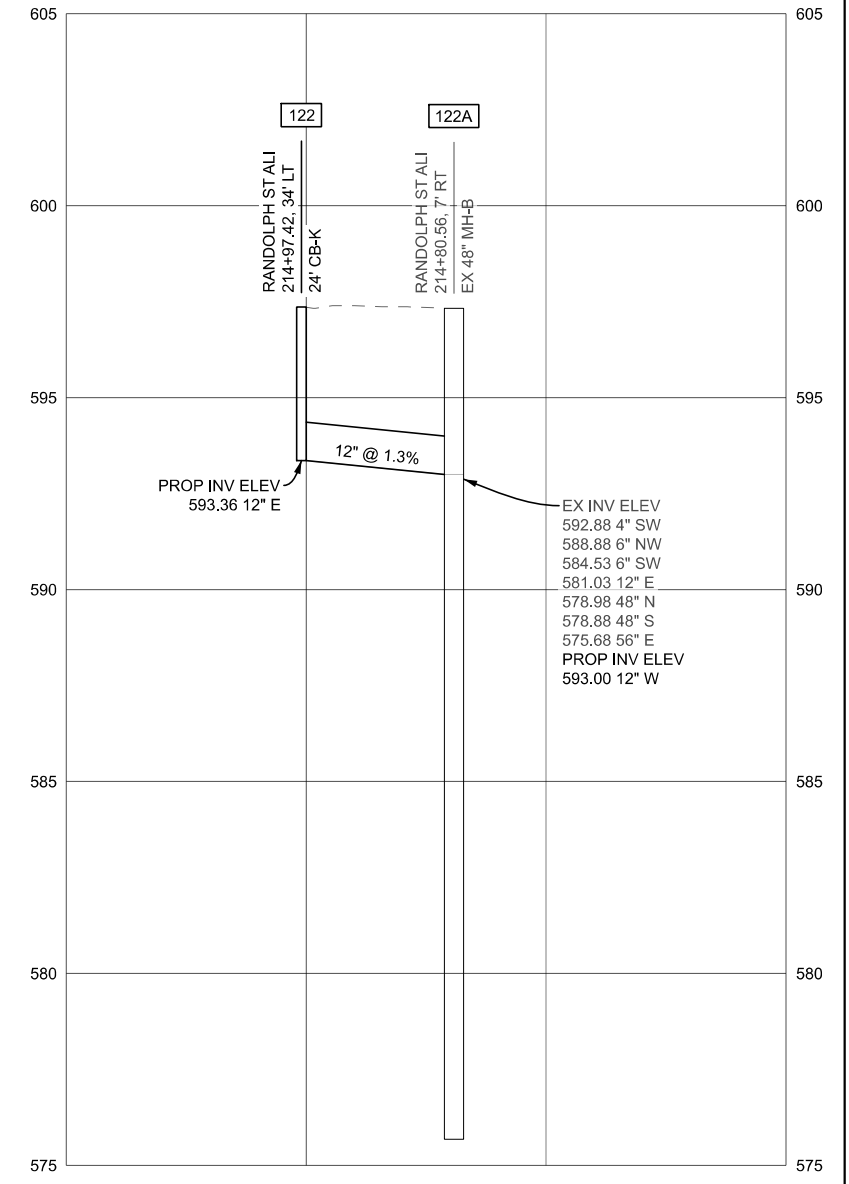
SECTION APPLIES TO:
CB-109 TO CB-110

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



STORM SEWER PROFILE

SECTION APPLIES TO:
CB-112 TO CB-113



STORM SEWER PROFILE

SECTION APPLIES TO:
CB-122 TO CB-122A

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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FILE: DETR0062_Drain_Prof_002.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
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JN: PW-7058

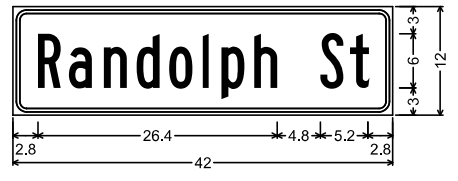
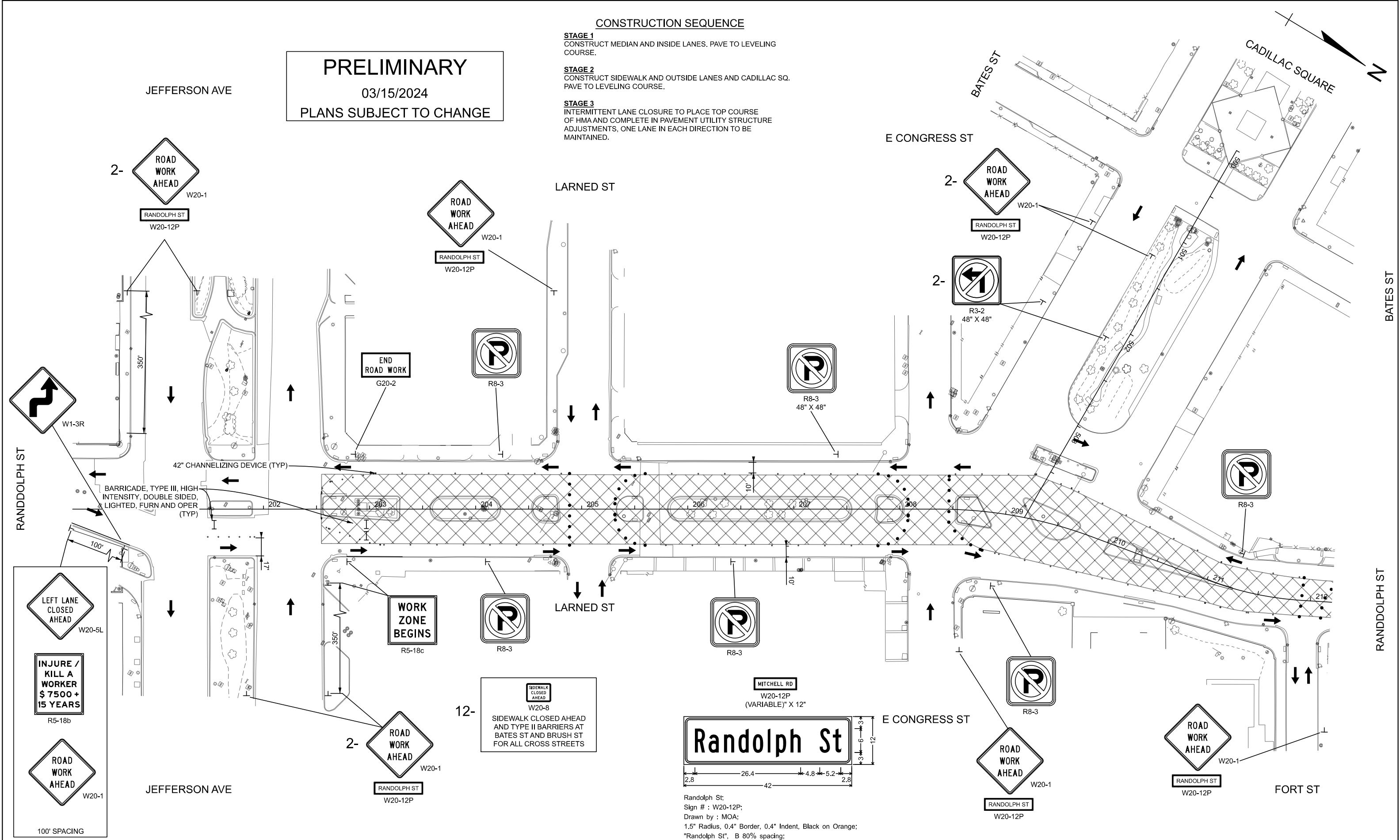
DRAINAGE PROFILE
RANDOLPH ST STA 207+48 TO STA 214+80.56

DRAWING SHEET
RAND DRPROF 2 SECT 1

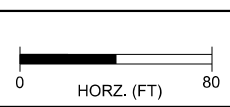
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

CONSTRUCTION SEQUENCE

- STAGE 1**
CONSTRUCT MEDIAN AND INSIDE LANES. PAVE TO LEVELING COURSE.
- STAGE 2**
CONSTRUCT SIDEWALK AND OUTSIDE LANES AND CADILLAC SQ. PAVE TO LEVELING COURSE.
- STAGE 3**
INTERMITTENT LANE CLOSURE TO PLACE TOP COURSE OF HMA AND COMPLETE IN PAVEMENT UTILITY STRUCTURE ADJUSTMENTS. ONE LANE IN EACH DIRECTION TO BE MAINTAINED.



| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | | | | | |
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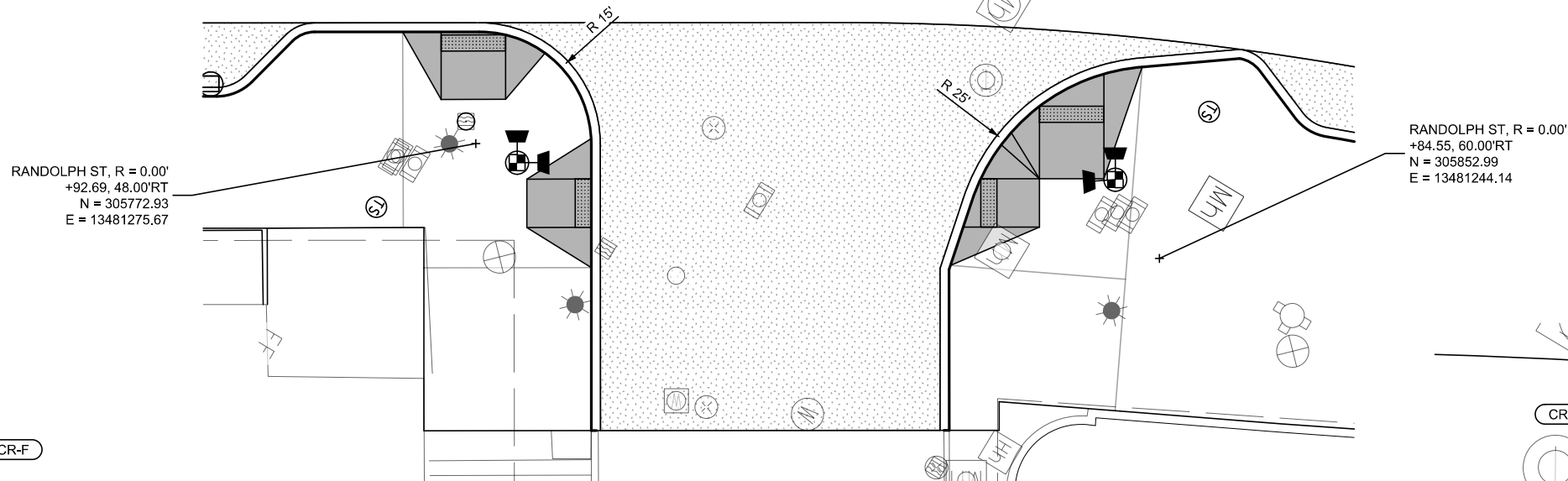
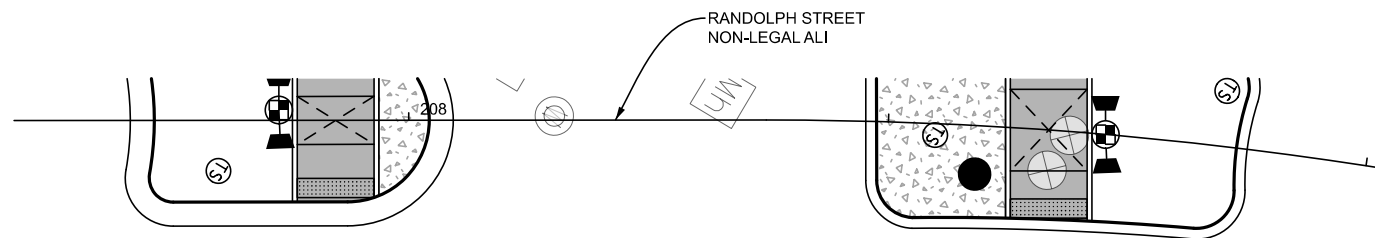
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DATE: 03/15/24
DESIGN UNIT: DETROIT
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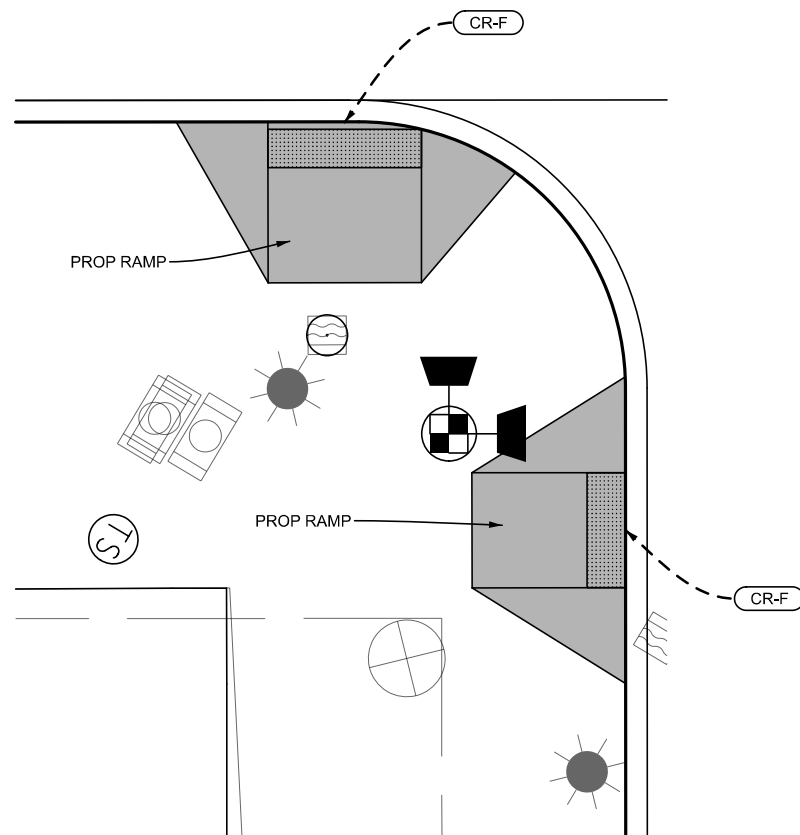
MAINTAINING OF TRAFFIC STAGE 1
RANDOLPH ST STA 202+51.02 POB TO STA 213+00

DRAWING SHEET
RAND MOT 1 SECT 1

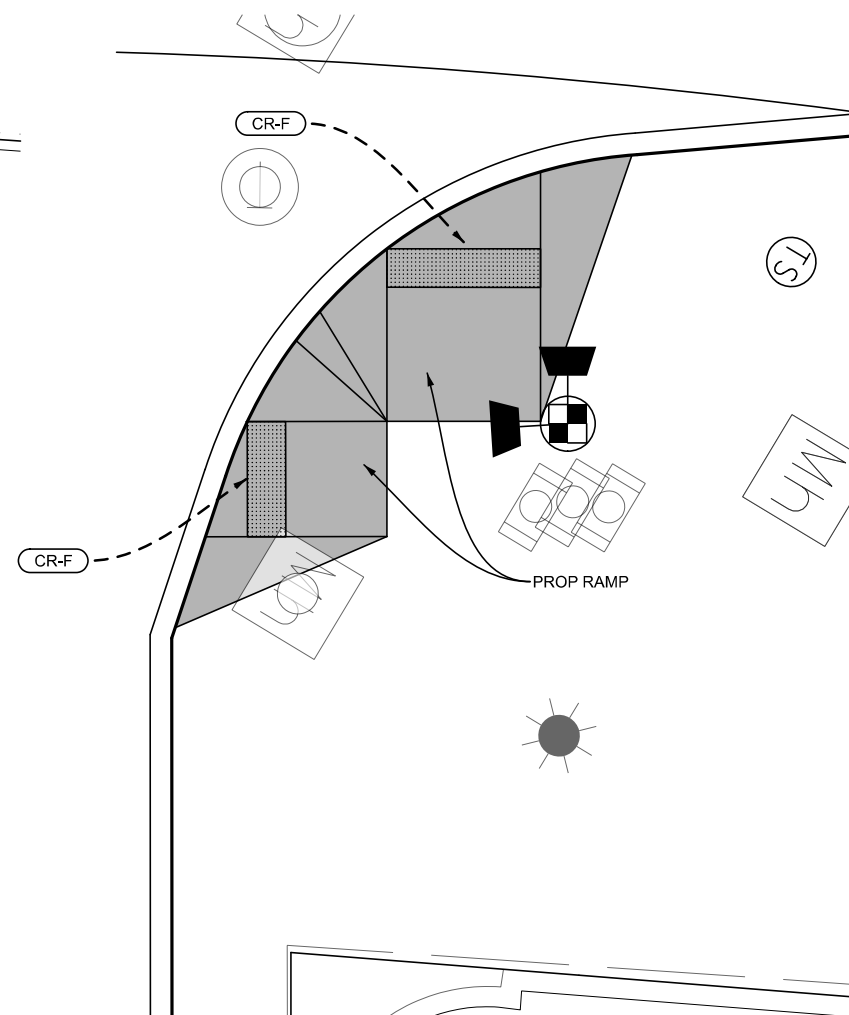


RANDOLPH STREET

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

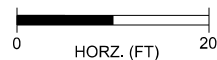


SIDEWALK RAMP DETAIL - SW QUADRANT
NOT TO SCALE



SIDEWALK RAMP DETAIL - SE QUADRANT
NOT TO SCALE

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| NO. | DATE | AUTH | DESCRIPTION |
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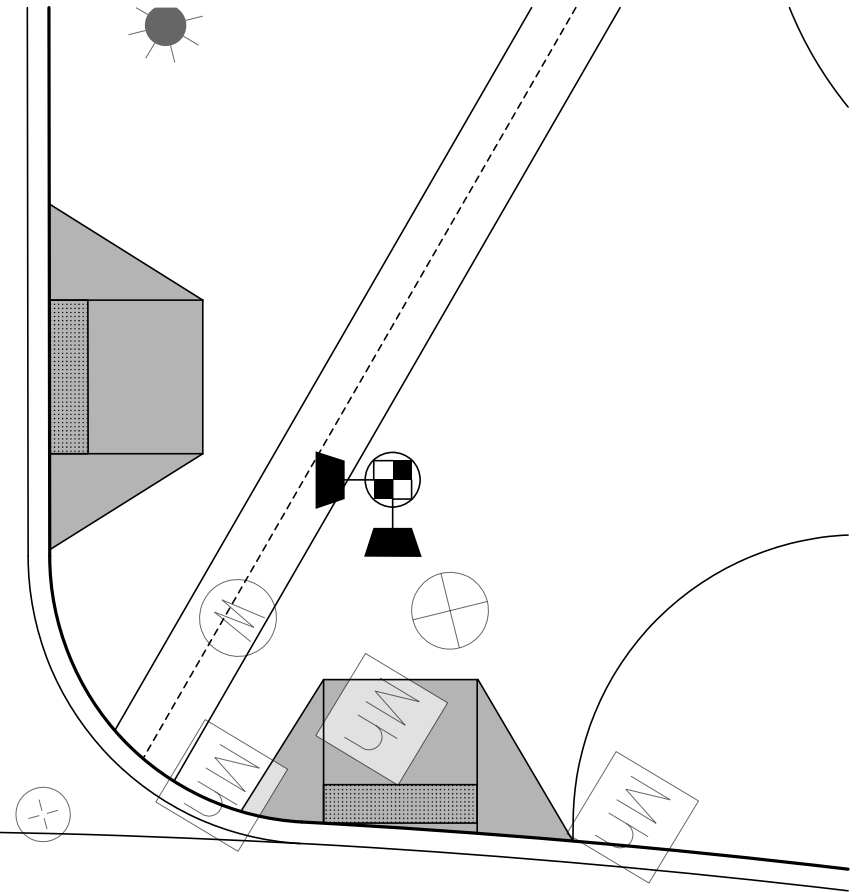
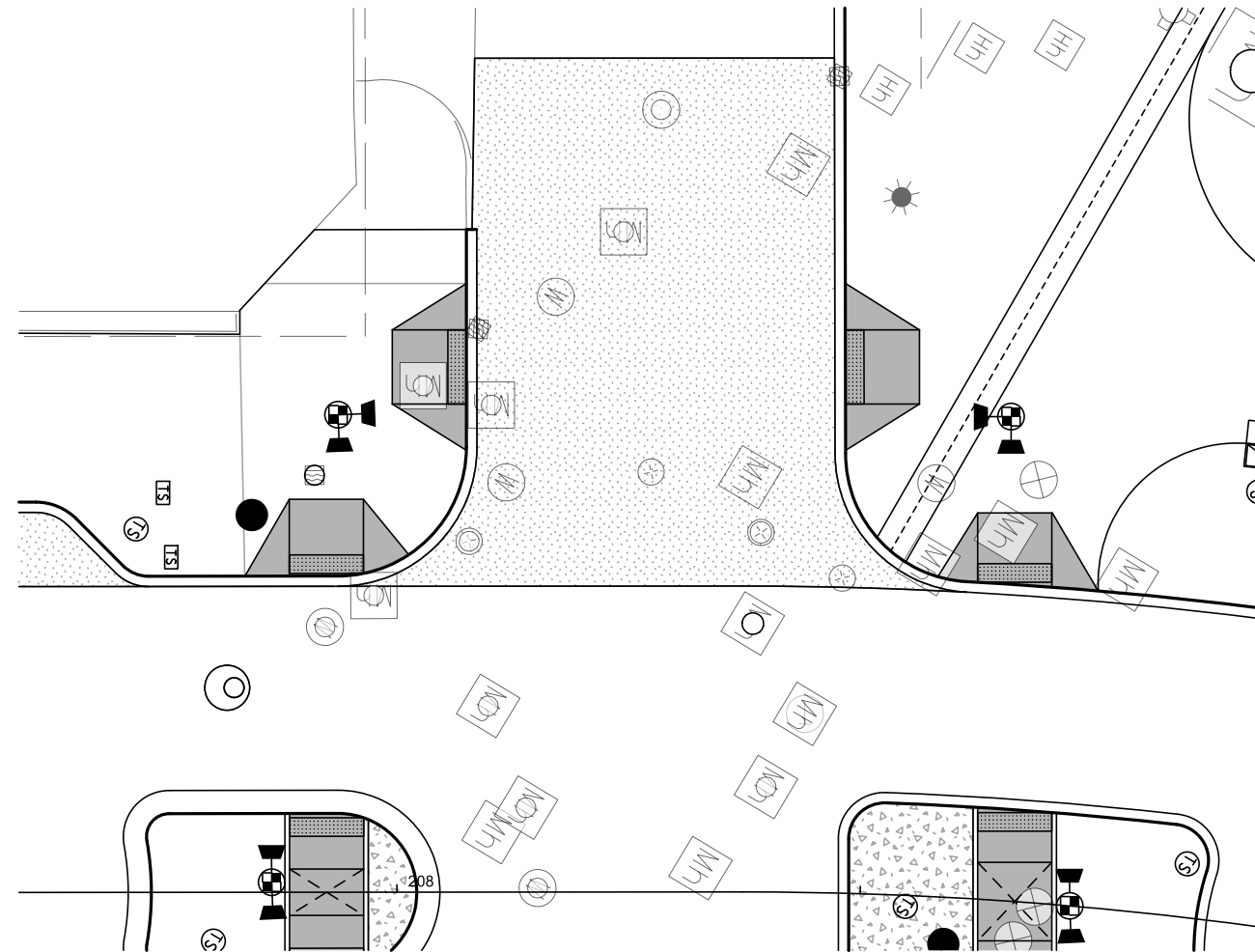
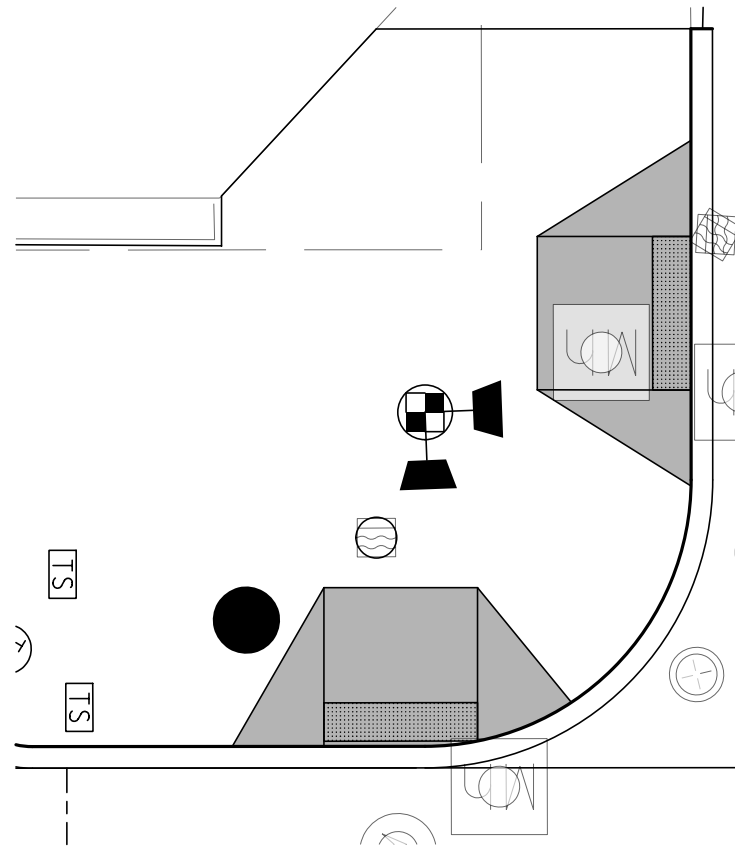


DATE: 03/15/24
DESIGN UNIT: DETROIT
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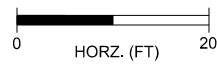
DETAIL GRADES
RANDOLPH ST

DRAWING SHEET
RAND DETGRD 5 SECT 1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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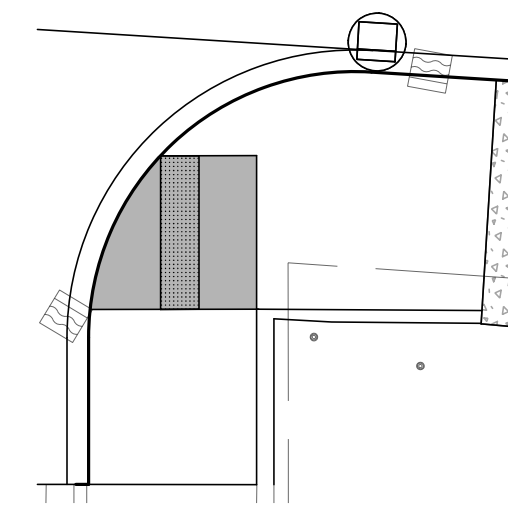
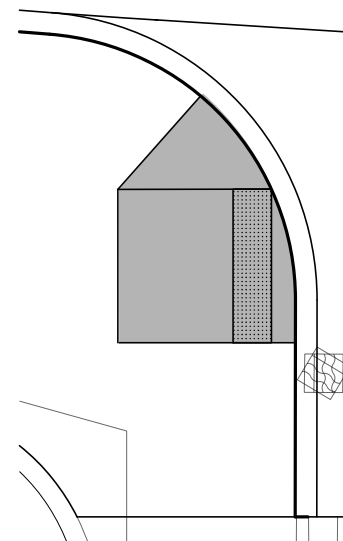
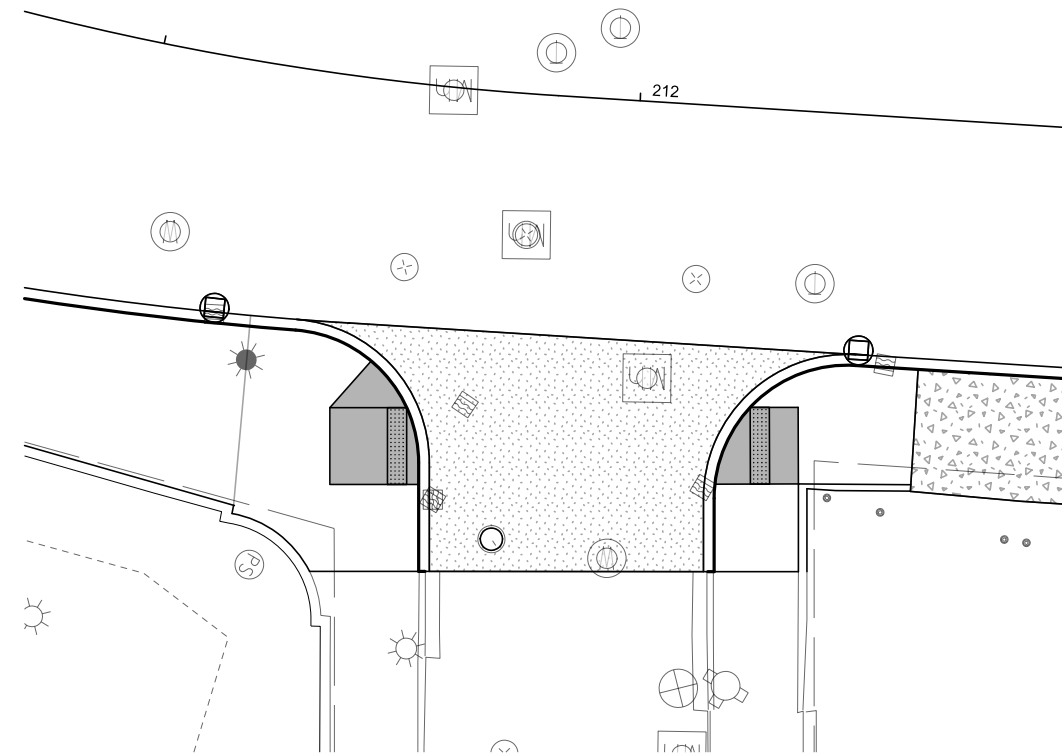
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:



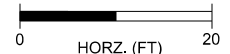
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JN: PW-7058

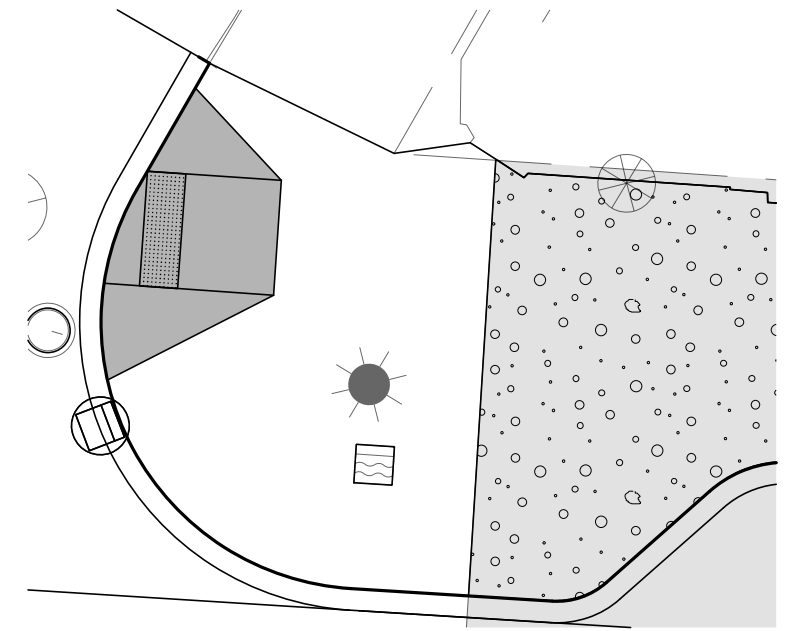
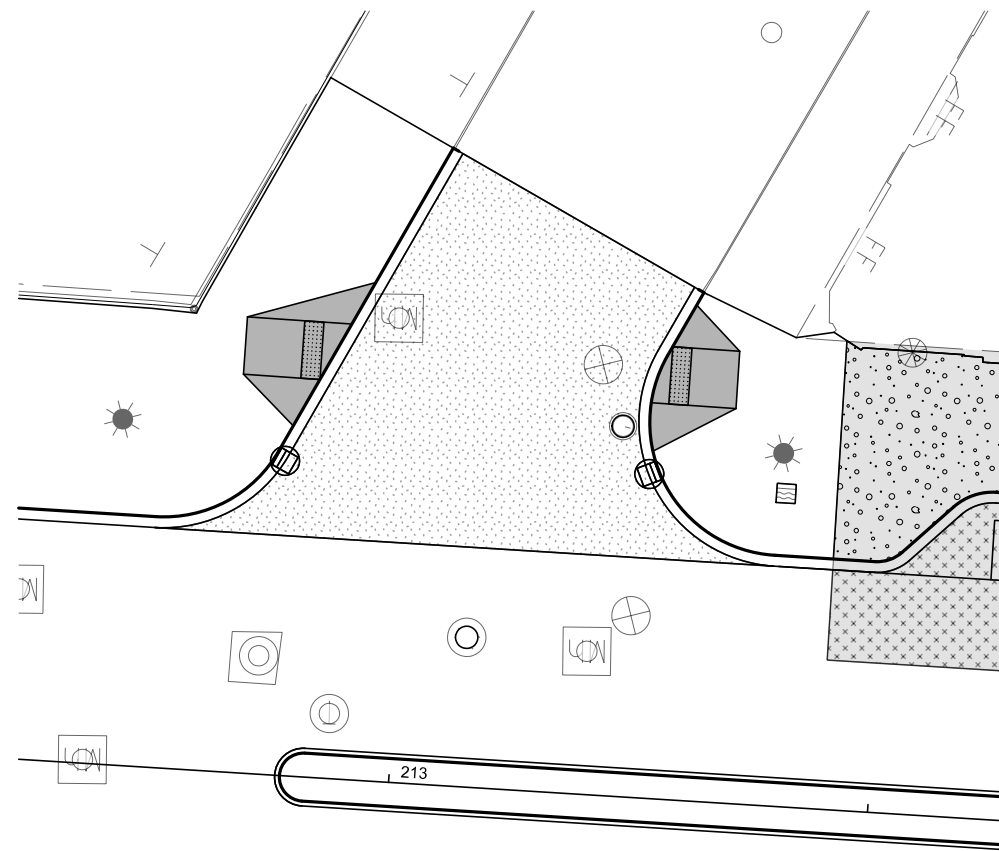
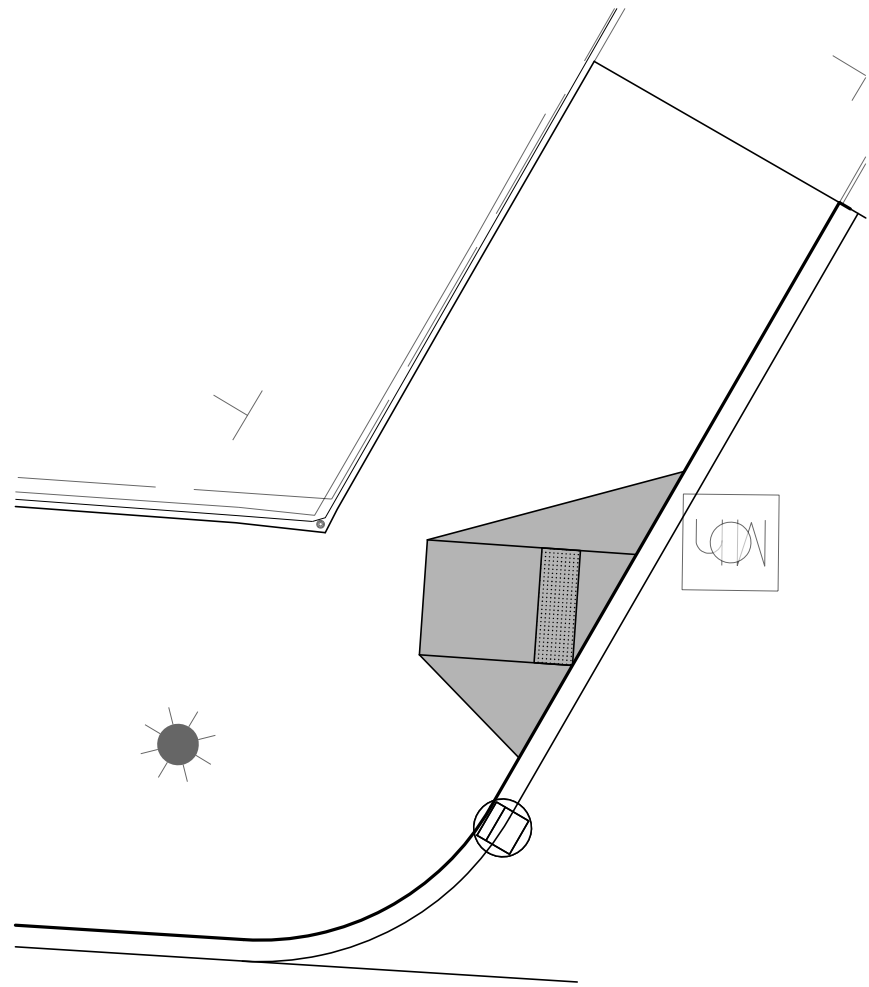
DETAIL GRADES
RANDOLPH ST

| | |
|----------------|-------------|
| DRAWING | SHEET |
| RAND DETGRD | 7 SECT 1 |



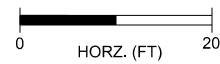
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

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|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|----------------------|-------------|---------------|--|---------|--------|
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 | CS: | DETAIL GRADES | | DRAWING | SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | RANDOLPH ST | | RAND | SECT 1 |
| | | | | | | | | FILE: DETR0062_DetGrd_008.dgn | TSC: | | | 8 | | | | |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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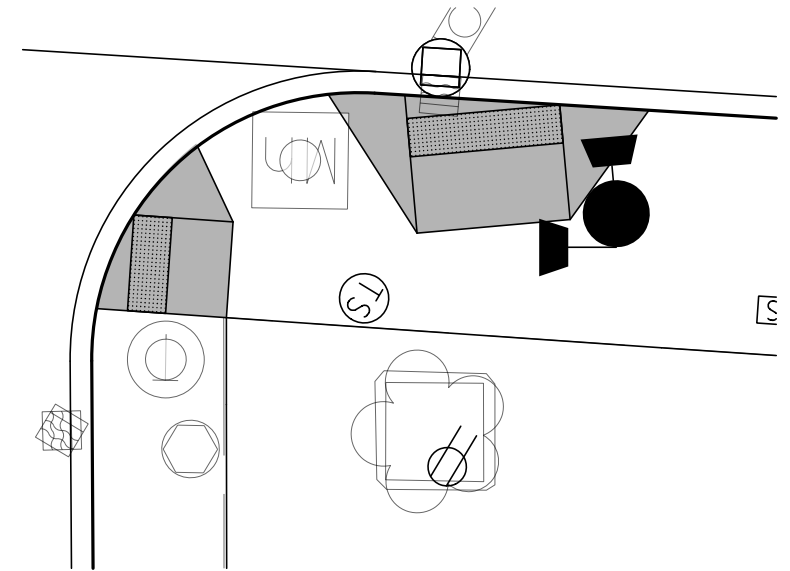
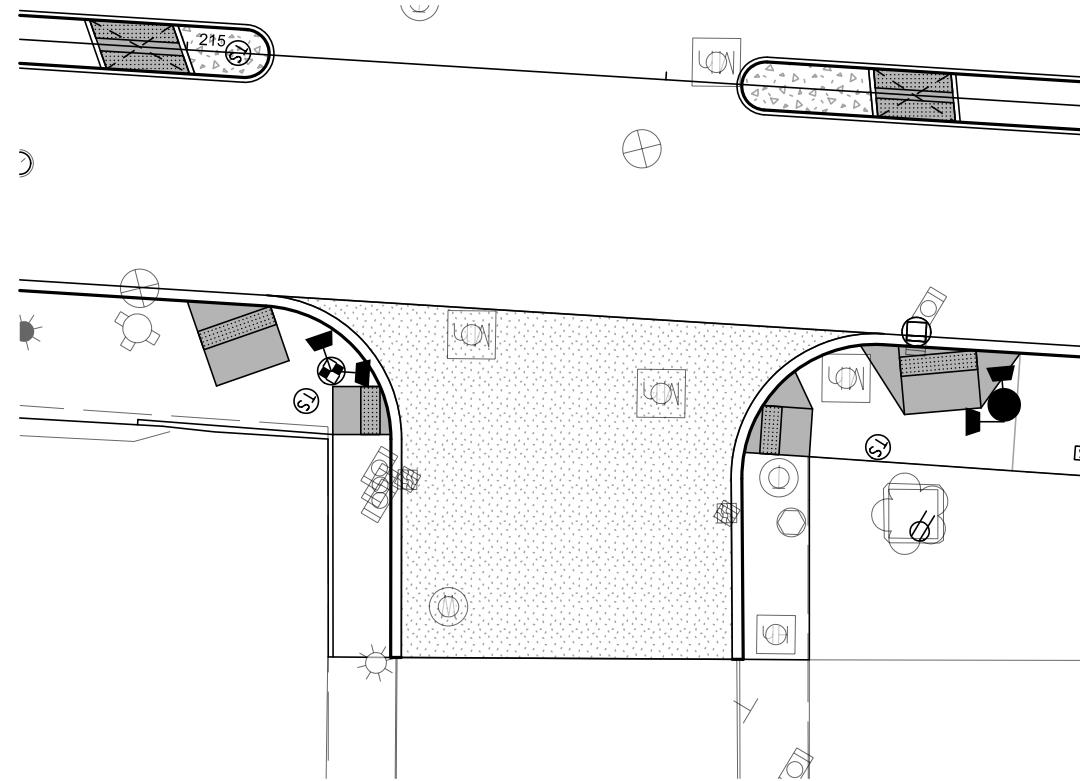
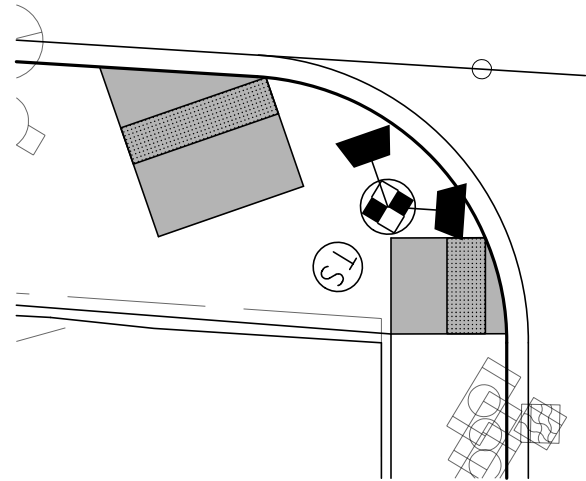
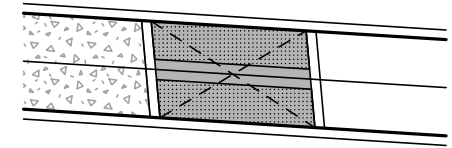
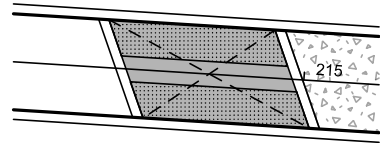
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

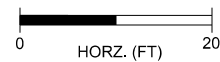
DETAIL GRADES
RANDOLPH ST

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| DRAWING | SHEET |
| RAND DETRD | 9 |
| SECT 1 | |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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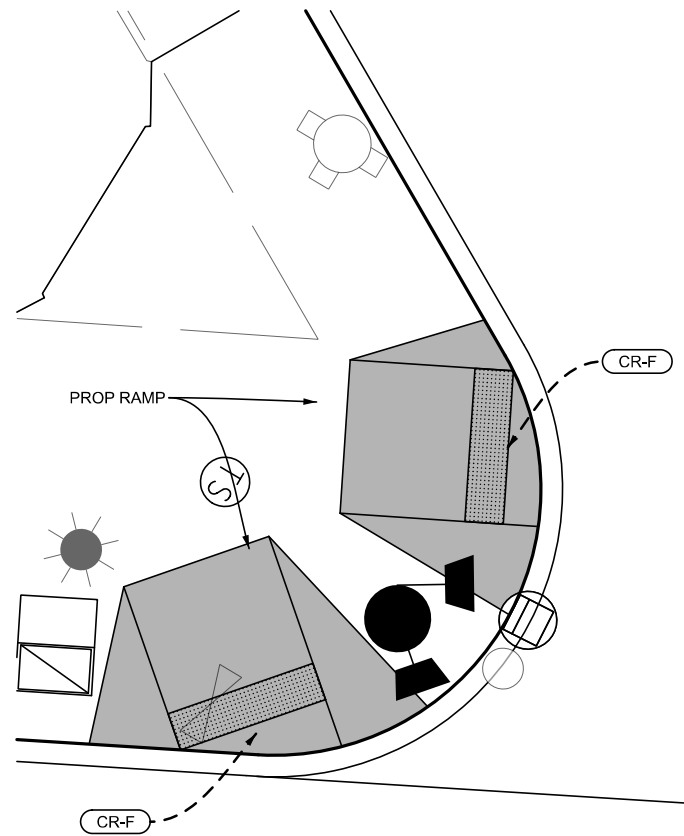
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

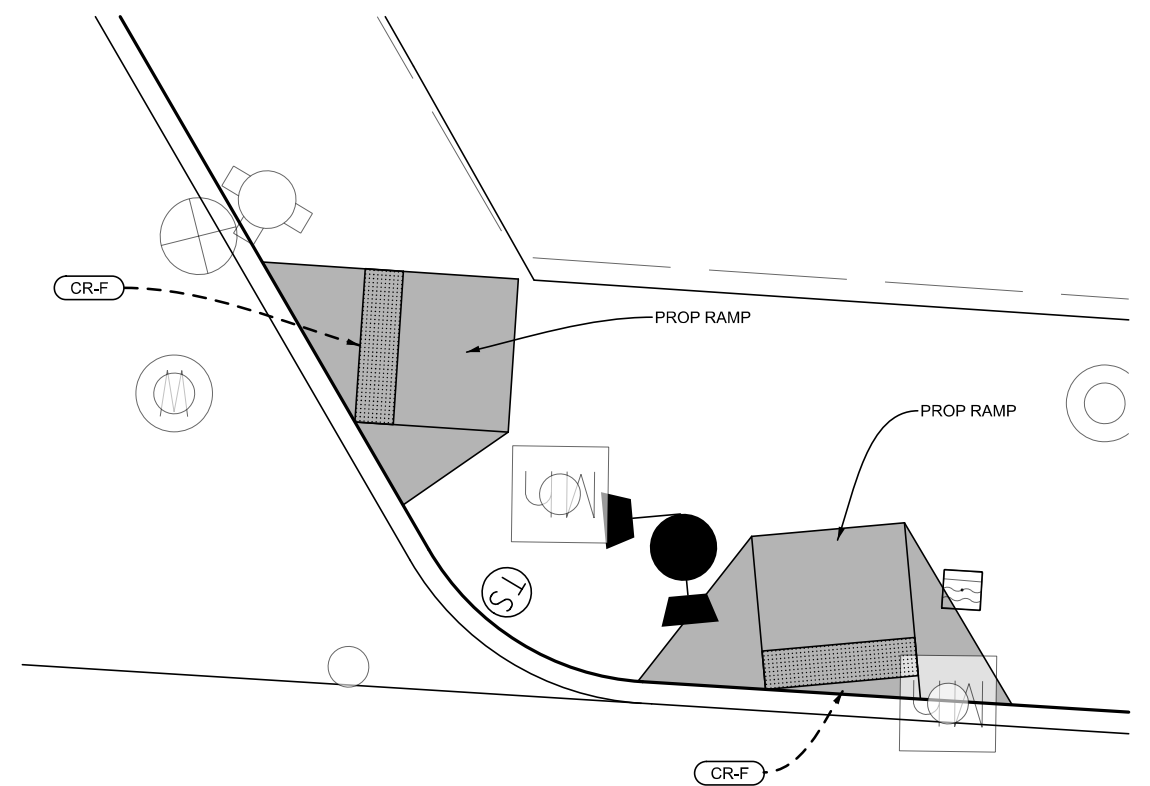
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JN: PW-7058

DETAIL GRADES
RANDOLPH ST

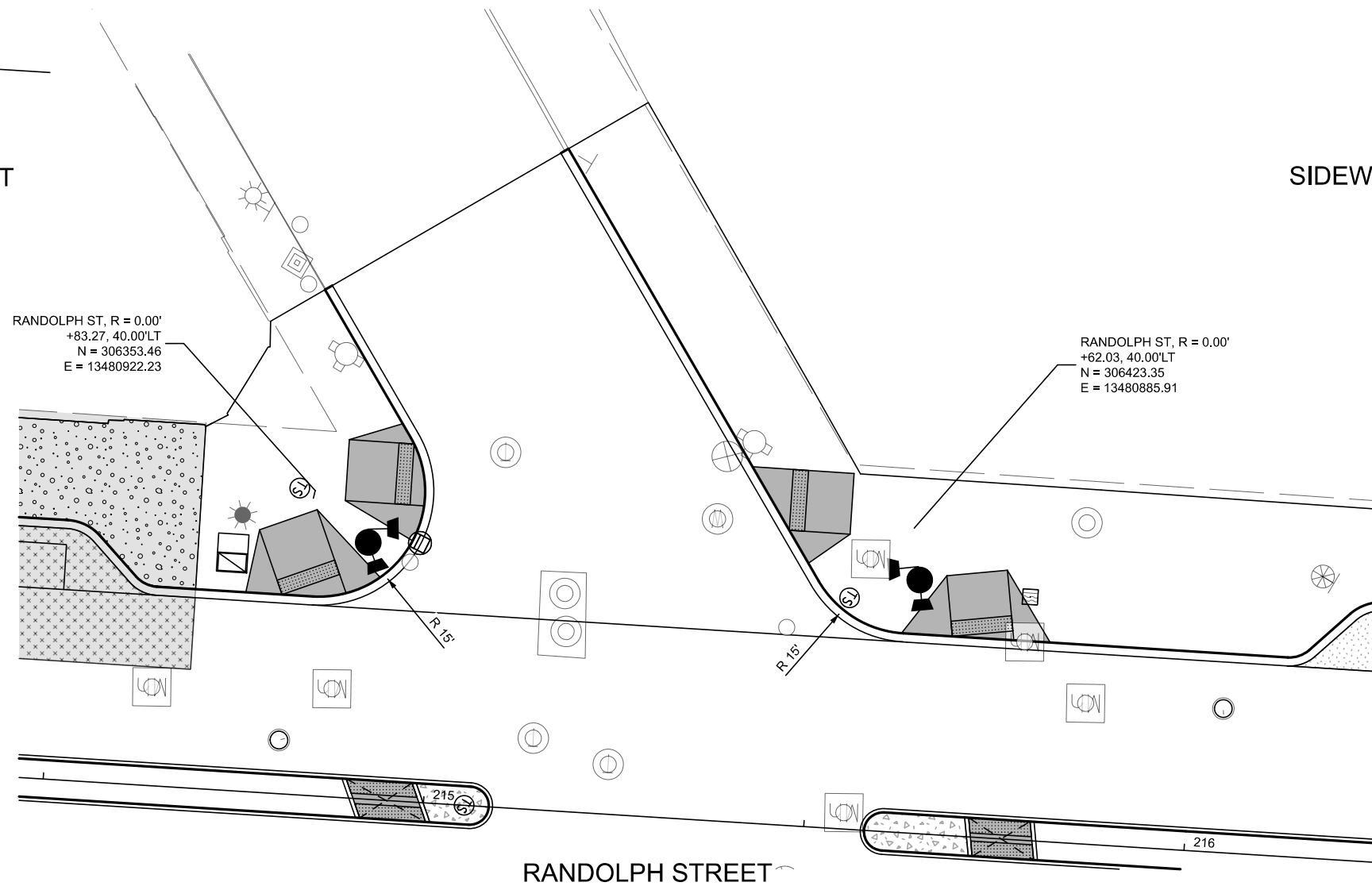
DRAWING SHEET
RAND DETGRD 10 SECT 1



SIDEWALK RAMP DETAIL - SW QUADRANT
NOT TO SCALE



SIDEWALK RAMP DETAIL - SE QUADRANT
NOT TO SCALE



RANDOLPH STREET

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
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| NO. | DATE | AUTH | DESCRIPTION |
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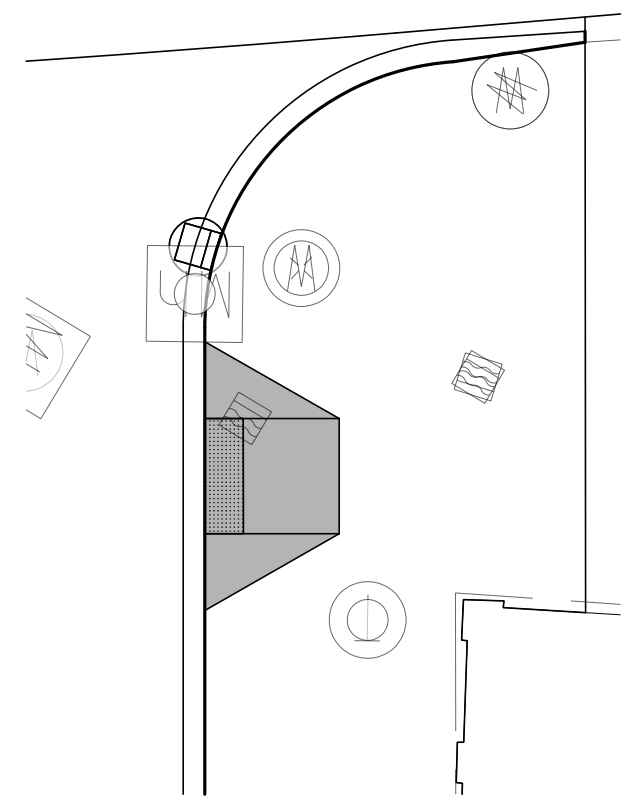
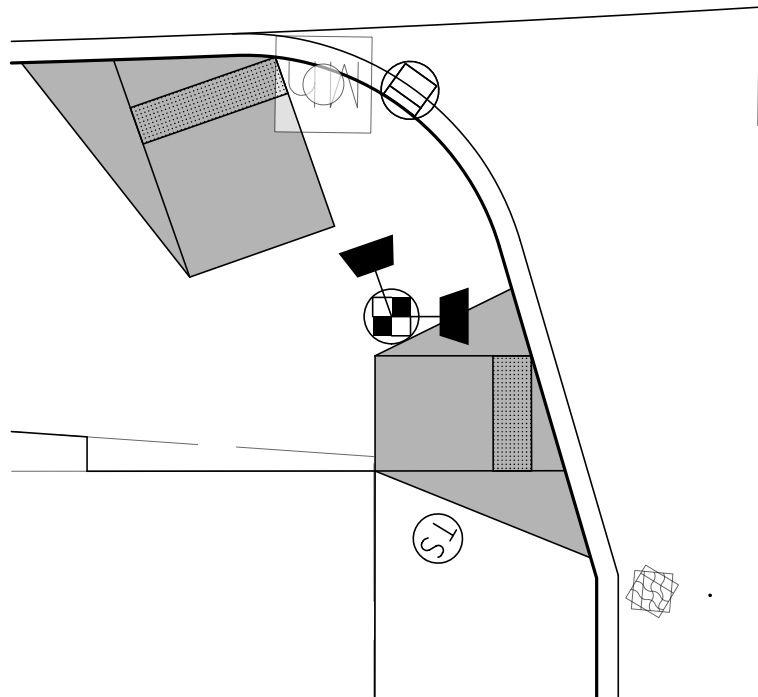
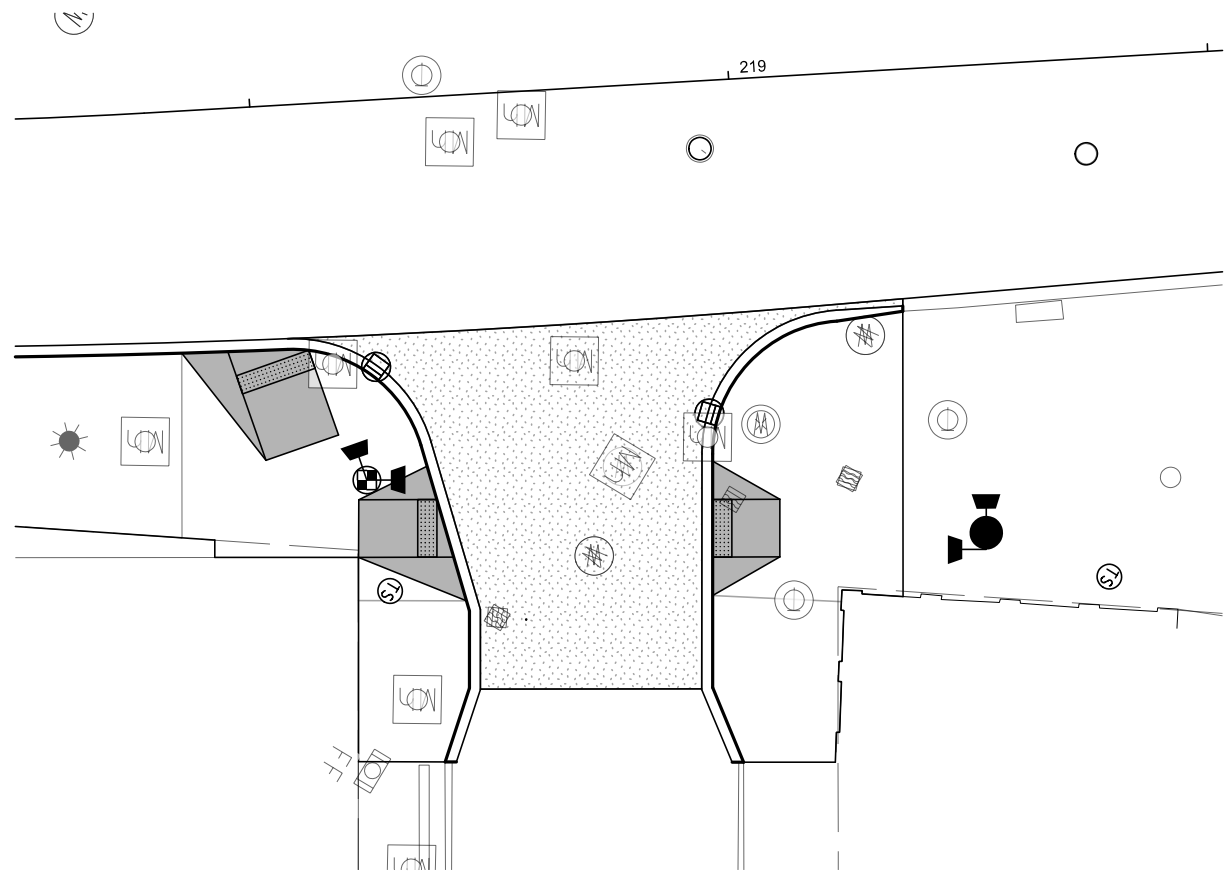


DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_DetGrd_011.dgn

CS:
JN: PW-7058

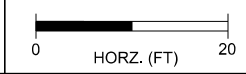
DETAIL GRADES
RANDOLPH ST

DRAWING SHEET
RAND DETGRD 11 SECT 1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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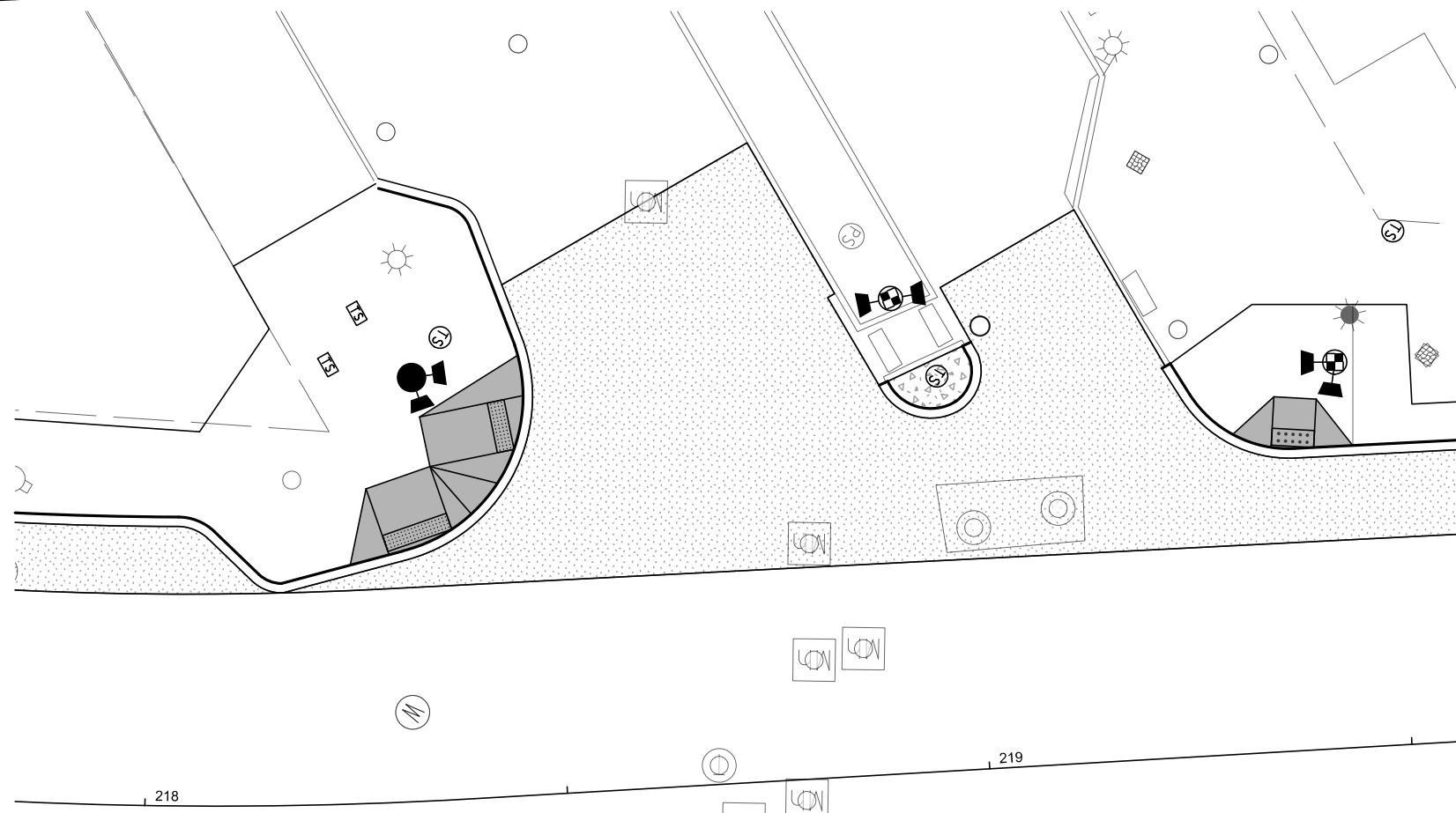
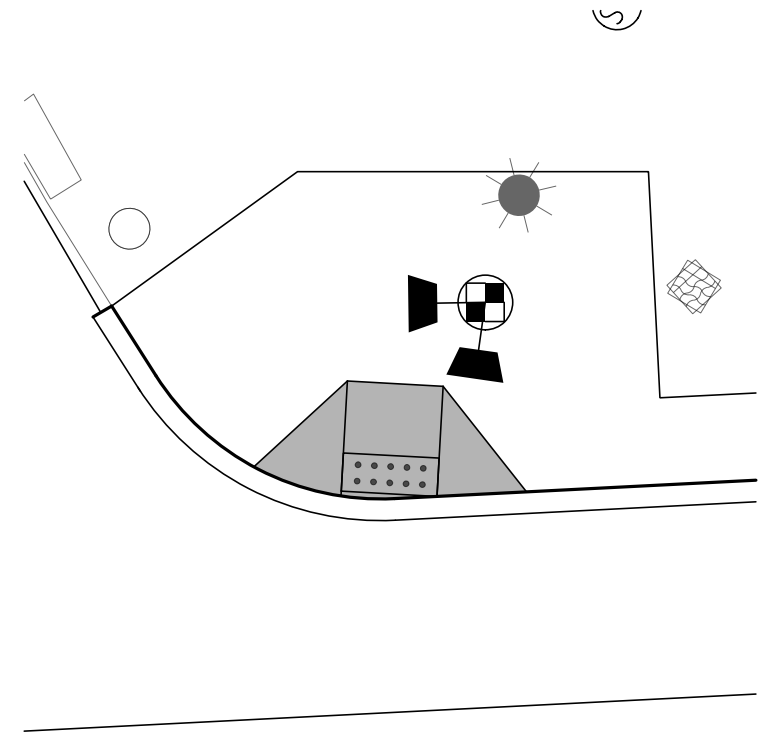
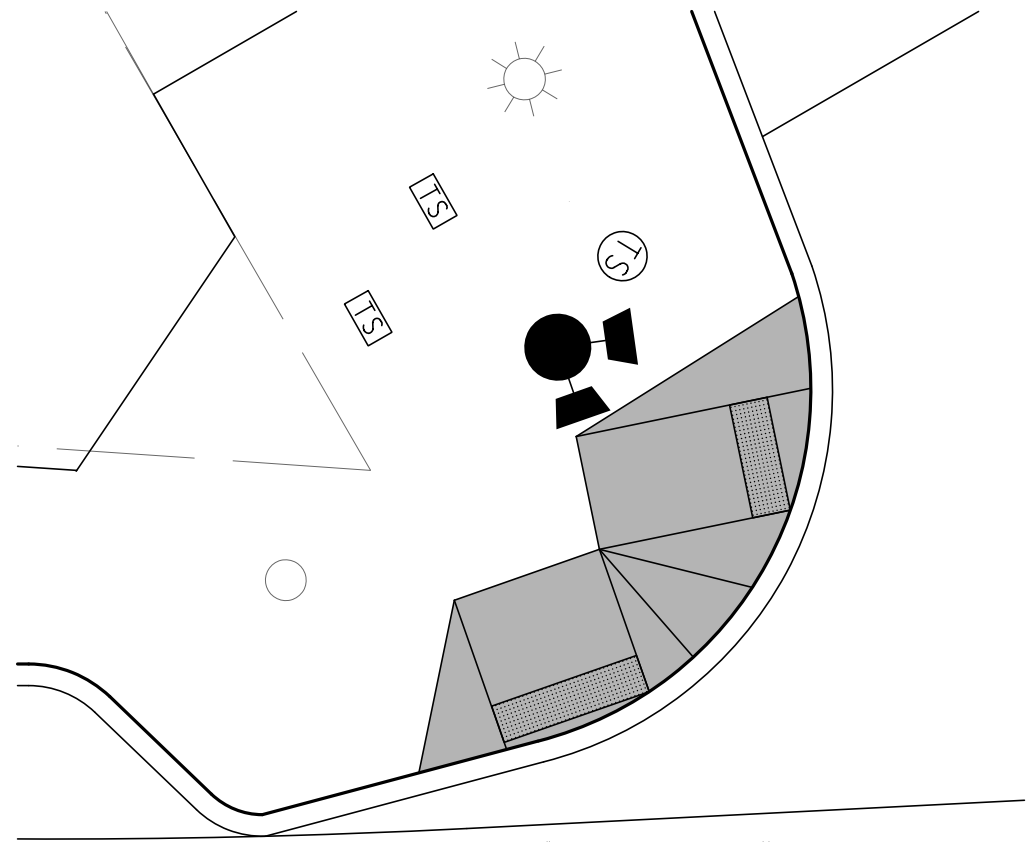
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

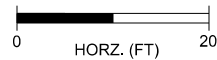
DETAIL GRADES
RANDOLPH ST

| | |
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| DRAWING | SHEET |
| RAND DETGRD | SECT 1 |
| 12 | |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



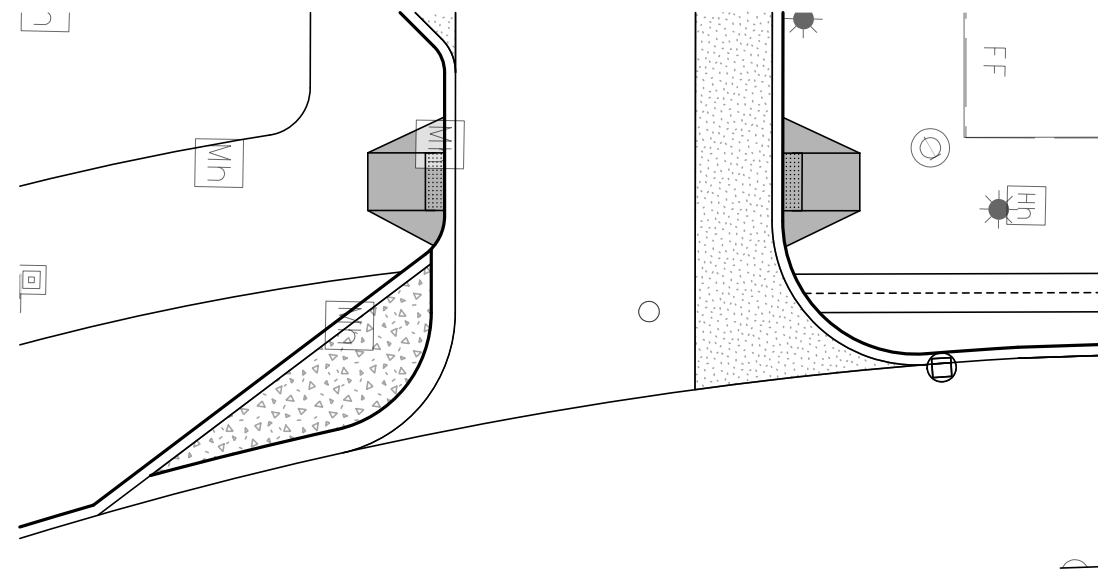
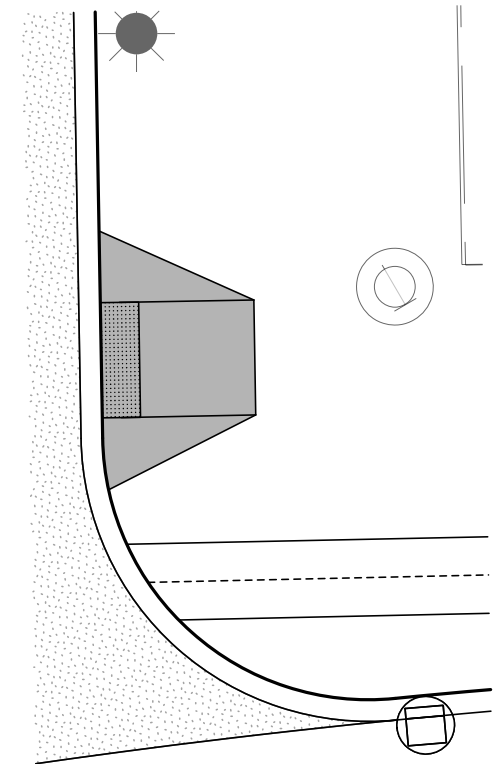
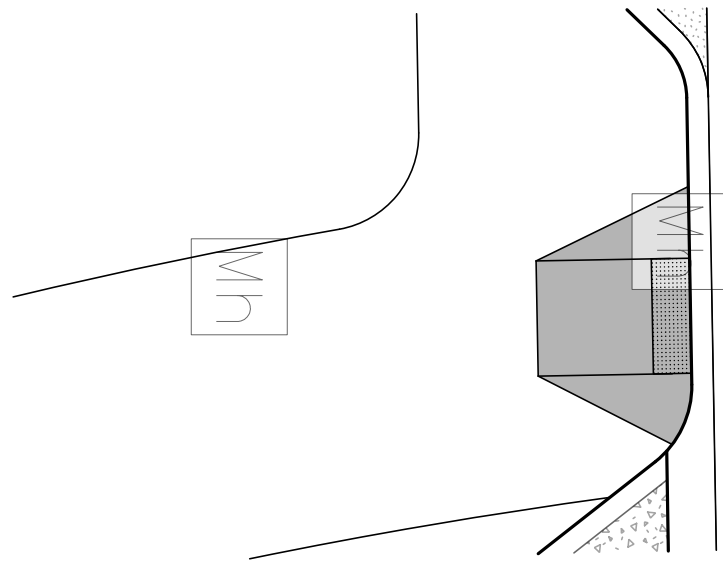
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

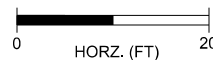
DETAIL GRADES
RANDOLPH ST

DRAWING SHEET
RAND DETGRD 13 SECT 1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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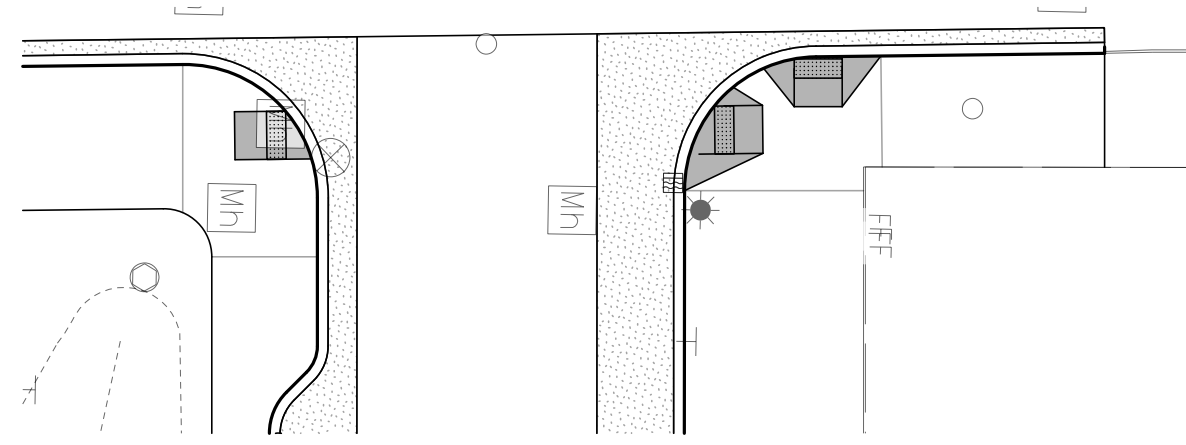
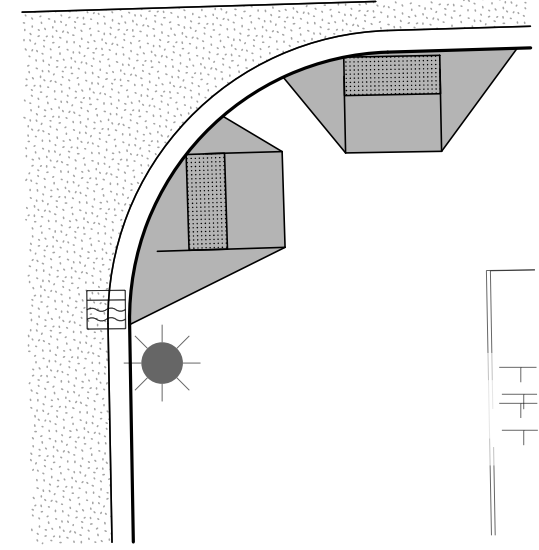
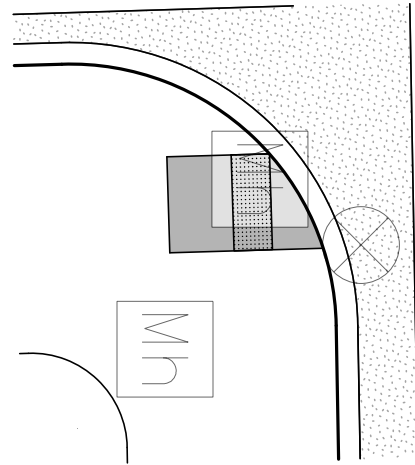


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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

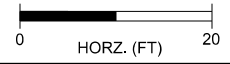
CS:
JN: PW-7058

| DRAWING | | SHEET | |
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| DETAIL GRADES | | CADI | |
| CADILLAC SQ | | DETGRD | |
| 14 | | SECT 1 | |



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
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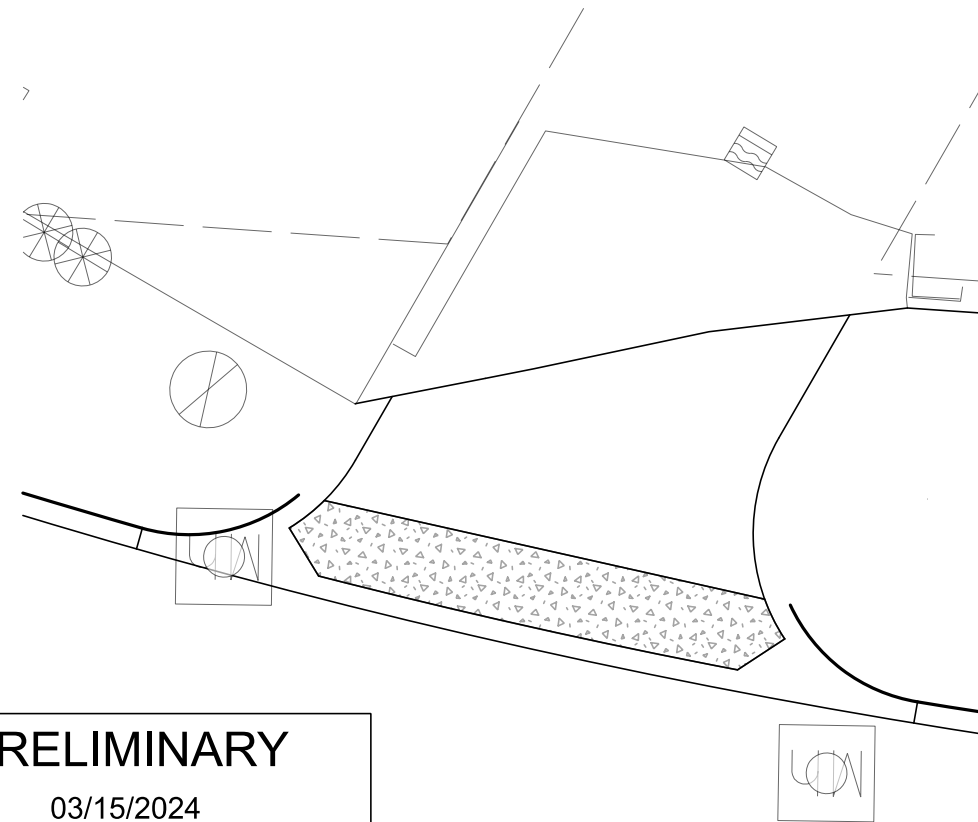
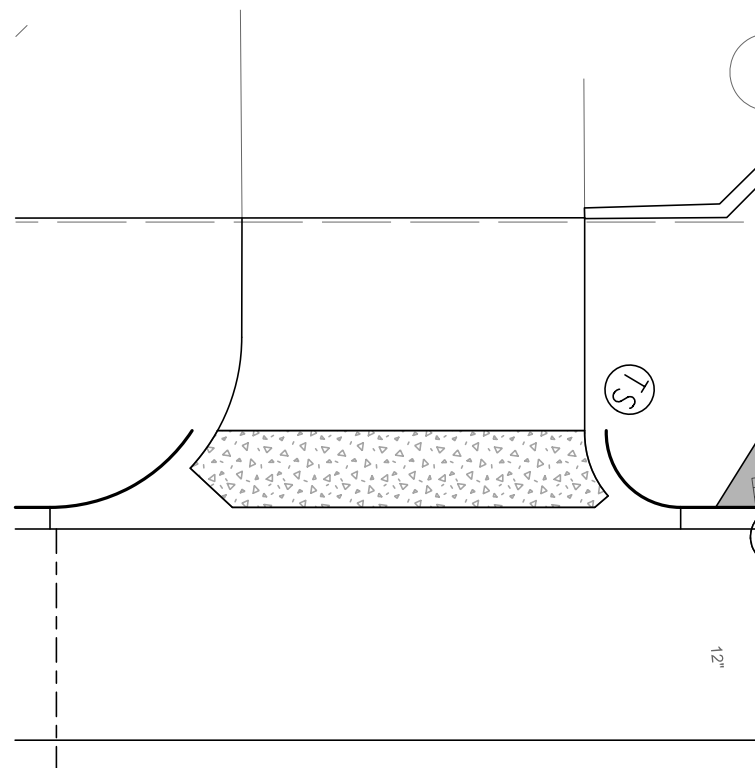
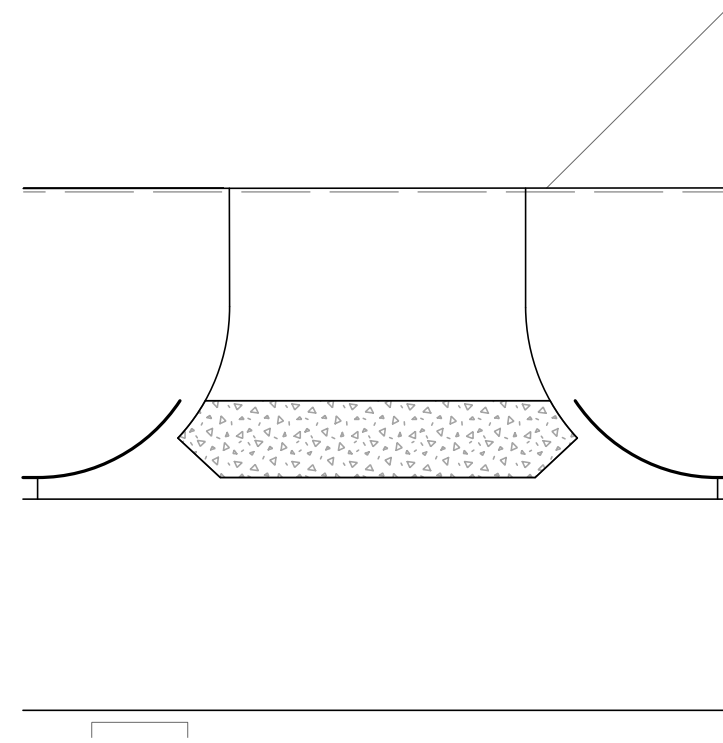
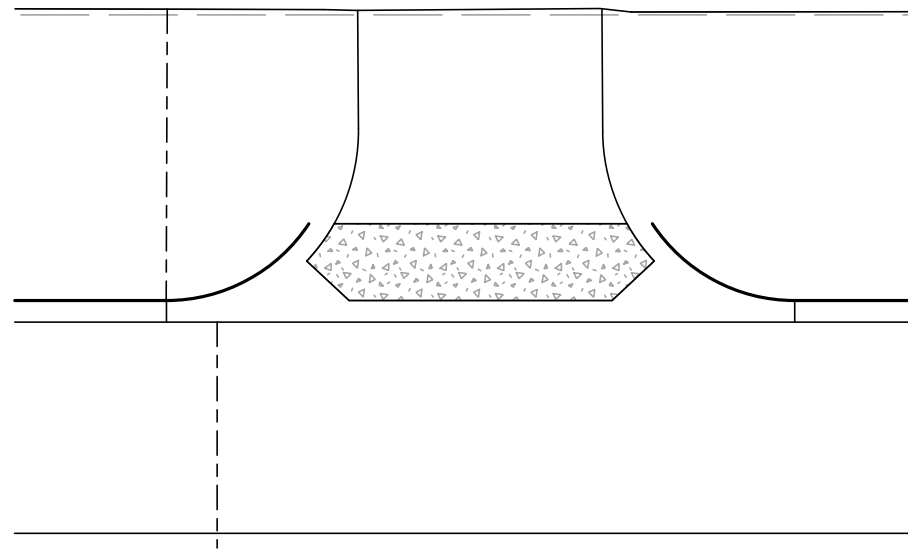
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DATE: 03/15/24
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CS:
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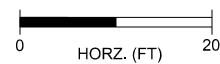
DETAIL GRADES
 CADILLAC SQ

DRAWING SHEET
 CADI DETGRD 15 SECT 1



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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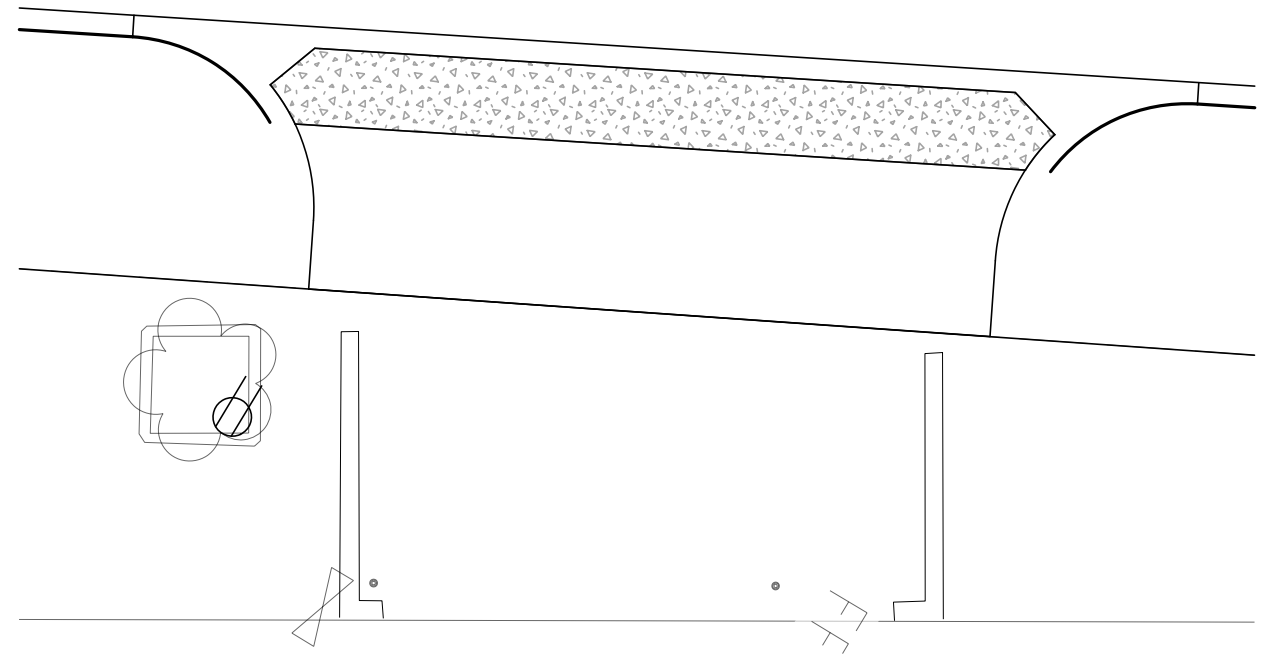
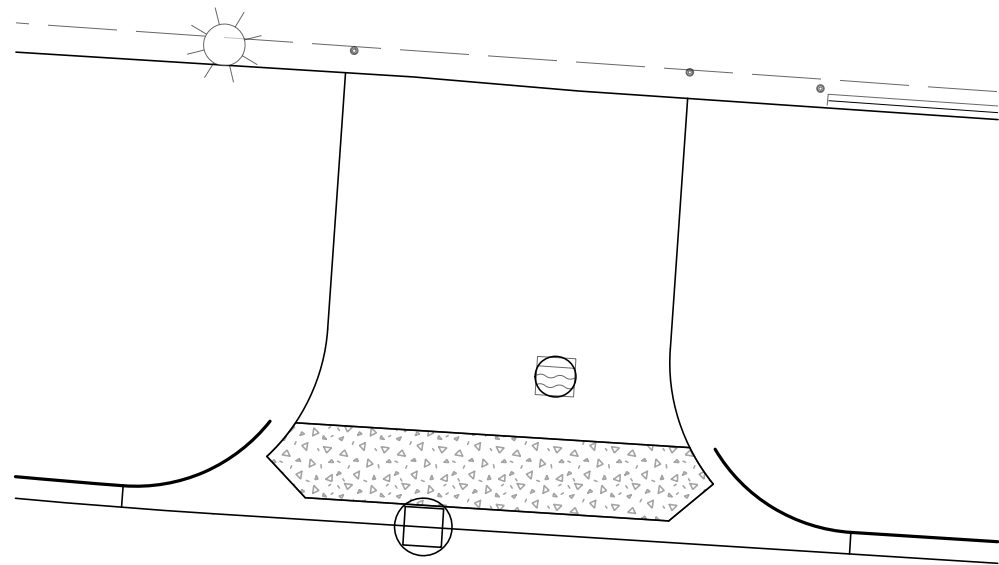
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DATE: 03/15/24
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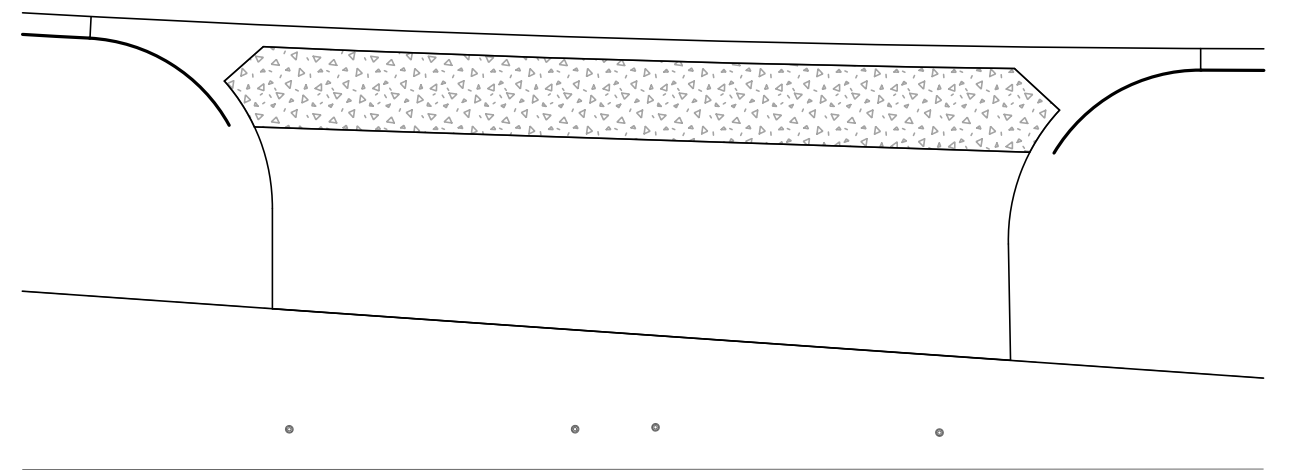
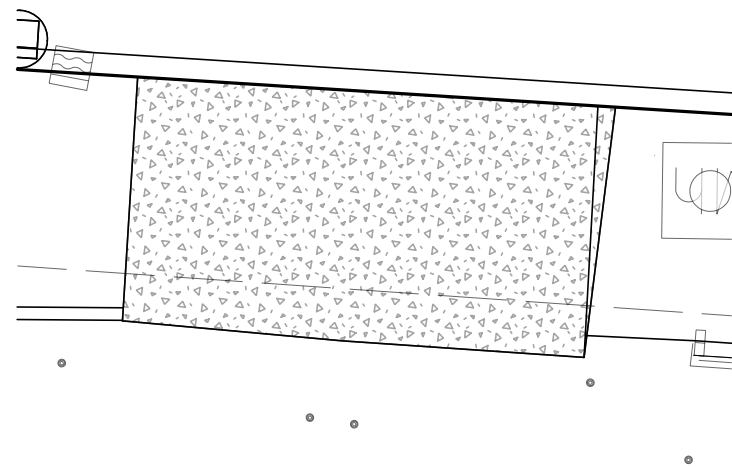
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DETAIL GRADES
 RANDOLPH

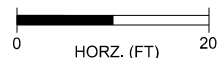
DRAWING SHEET
 RAND DETGRD 16 SECT 1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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FILE: DETR0062_DetGrd_017.dgn

DATE: 03/15/24
DESIGN UNIT: DETROIT
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DETAIL GRADES
RANDOLPH

DRAWING SHEET
RAND DETGRD 17
SECT 1

PRELIMINARY

03/15/2024

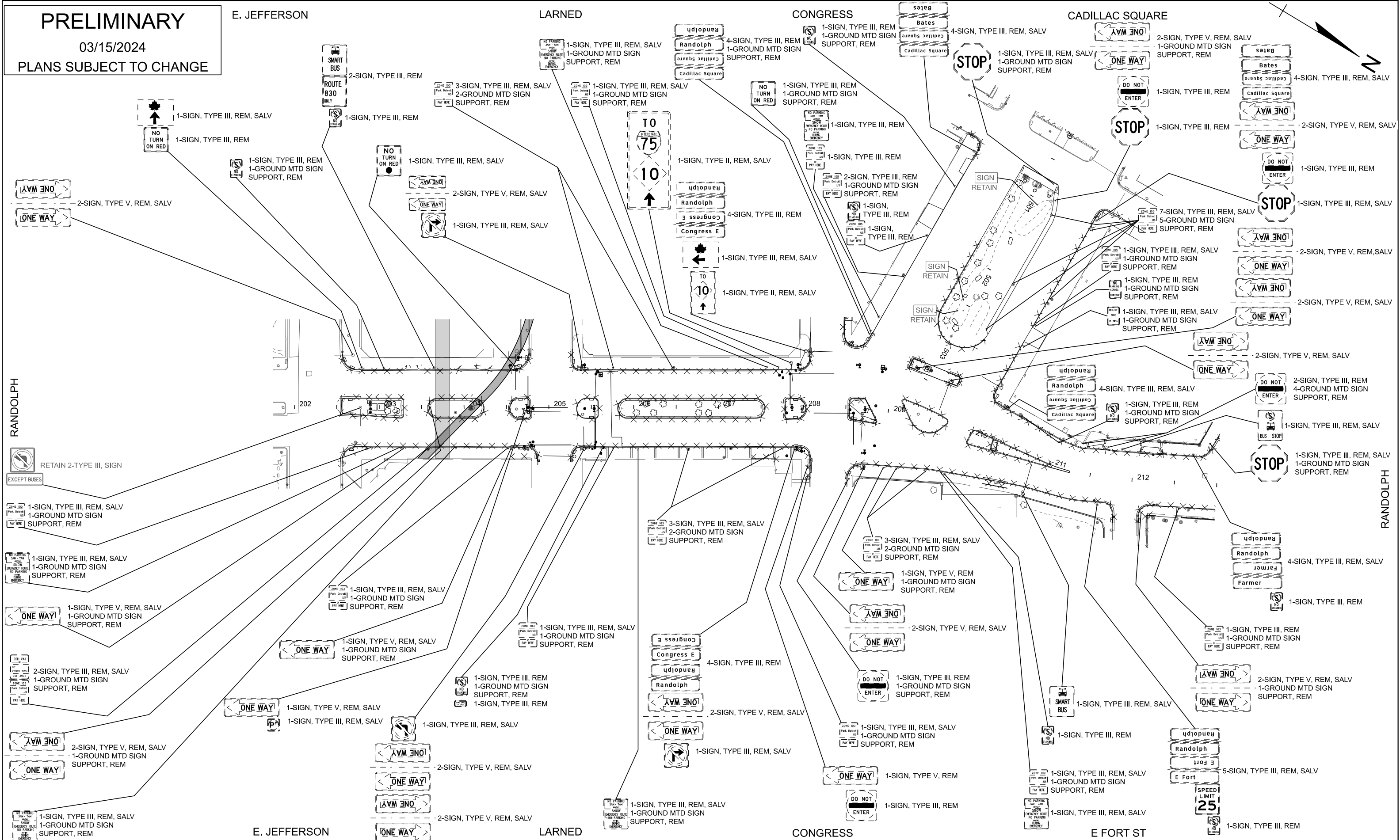
PLANS SUBJECT TO CHANGE

E. JEFFERSON

LARNED

CONGRESS

CADILLAC SQUARE



| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | | | | | | | |
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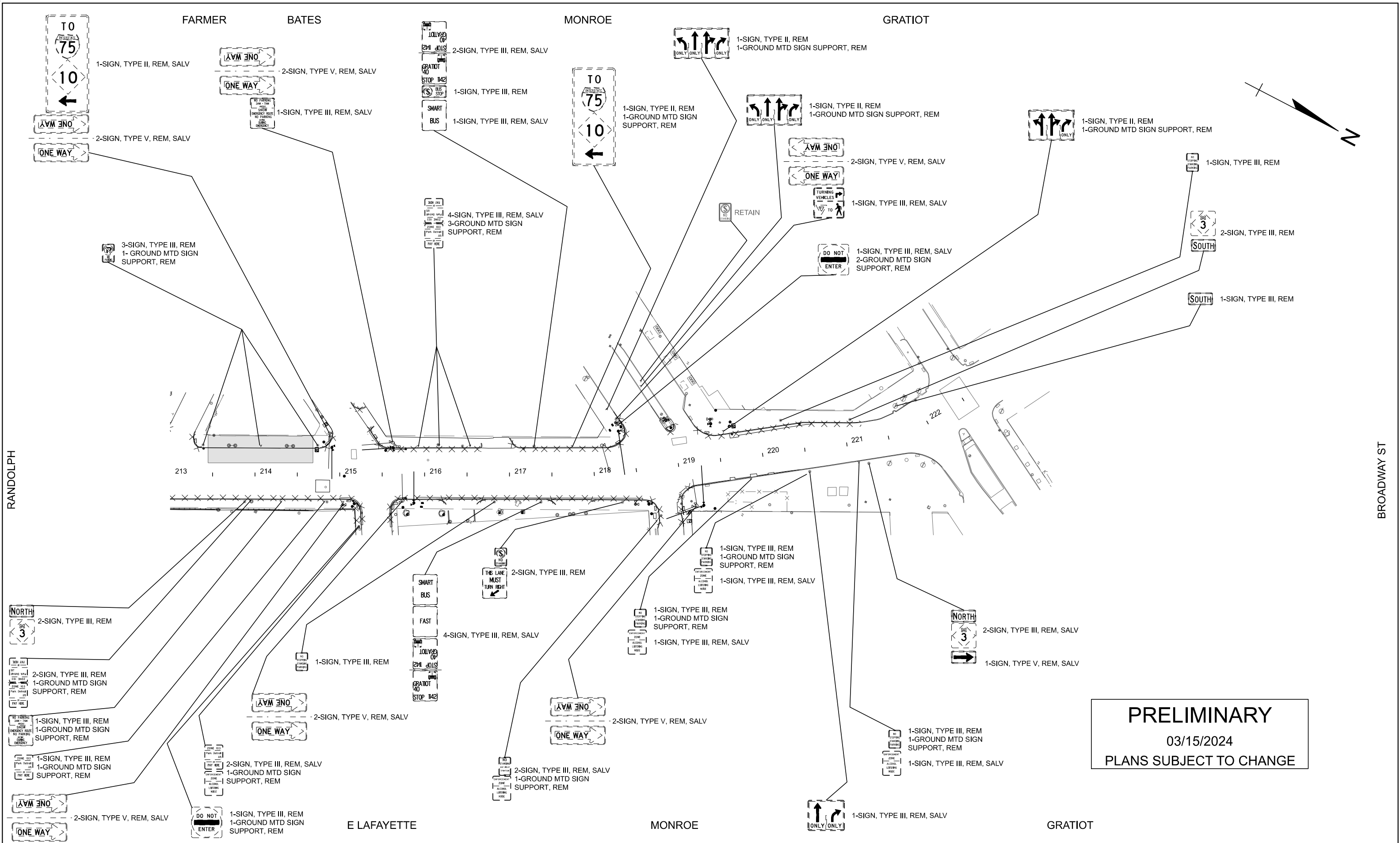
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

EXISTING SIGNING
RANDOLPH ST STA 202+51.02 POB TO STA 213+00

DRAWING SHEET
RAND
ESIGN
1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

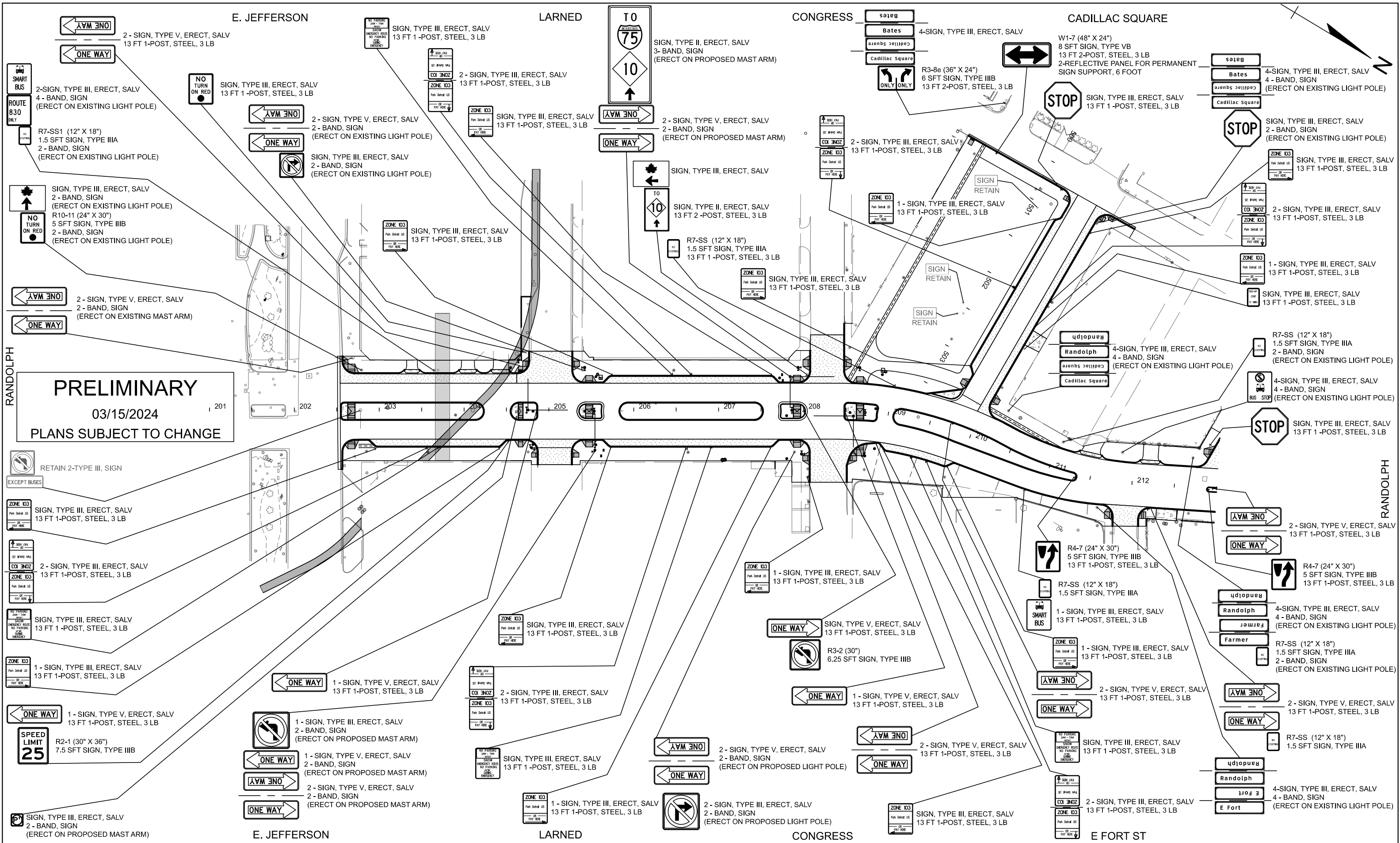
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

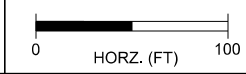
CS:
JN: PW-7058

| EXISTING SIGNING | | DRAWING | SHEET |
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| RANDOLPH ST STA 213+00 TO STA 221+94.34 POE | | RAND ESIGN 2 | SECT 1 |



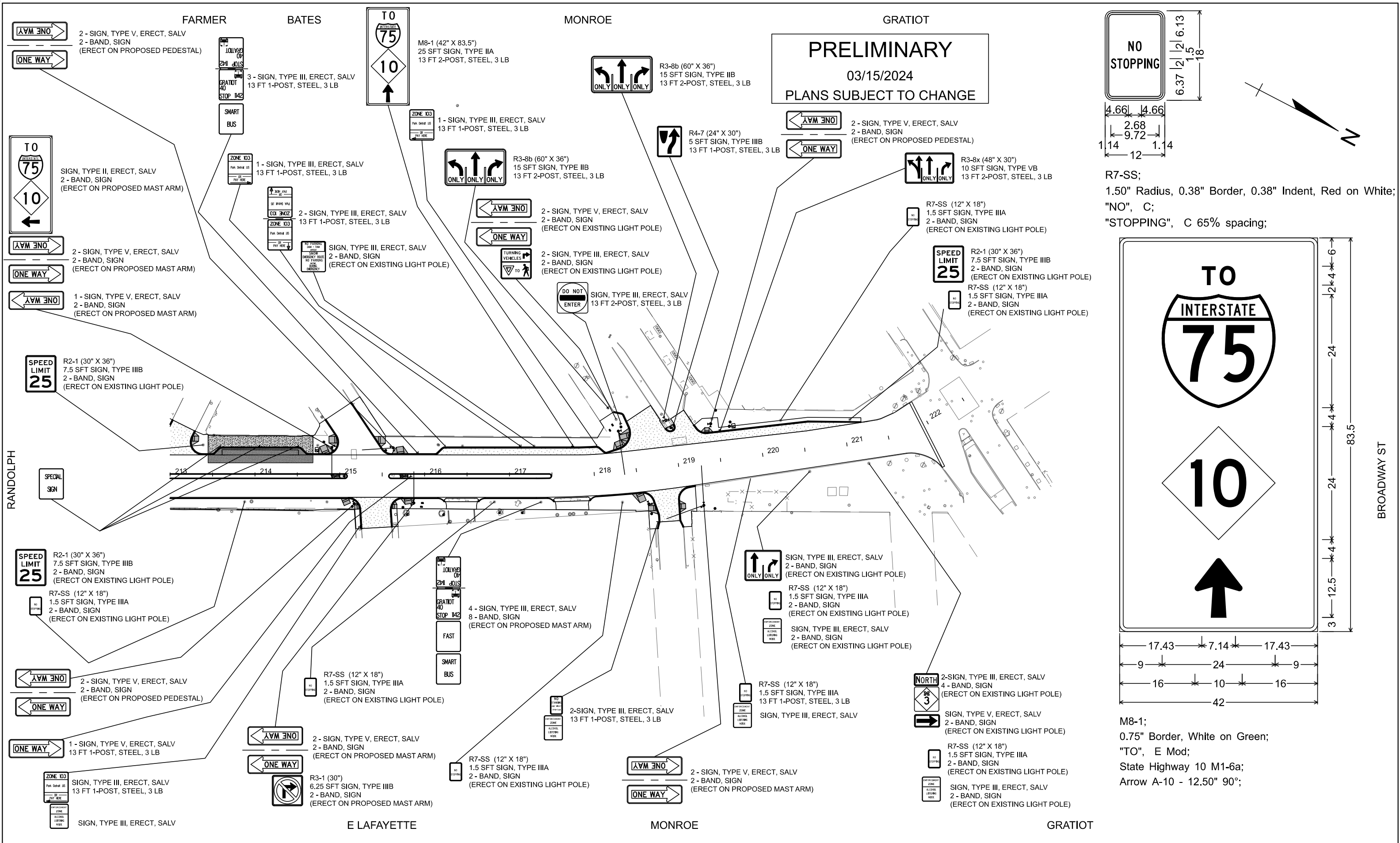
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | | SUBMITTAL DATE: | | |
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| NO. | DATE | AUTH | NO. | DATE | AUTH |
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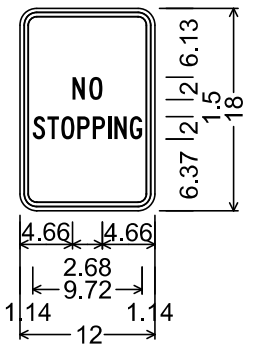


DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:
CS:
JN: PW-7058

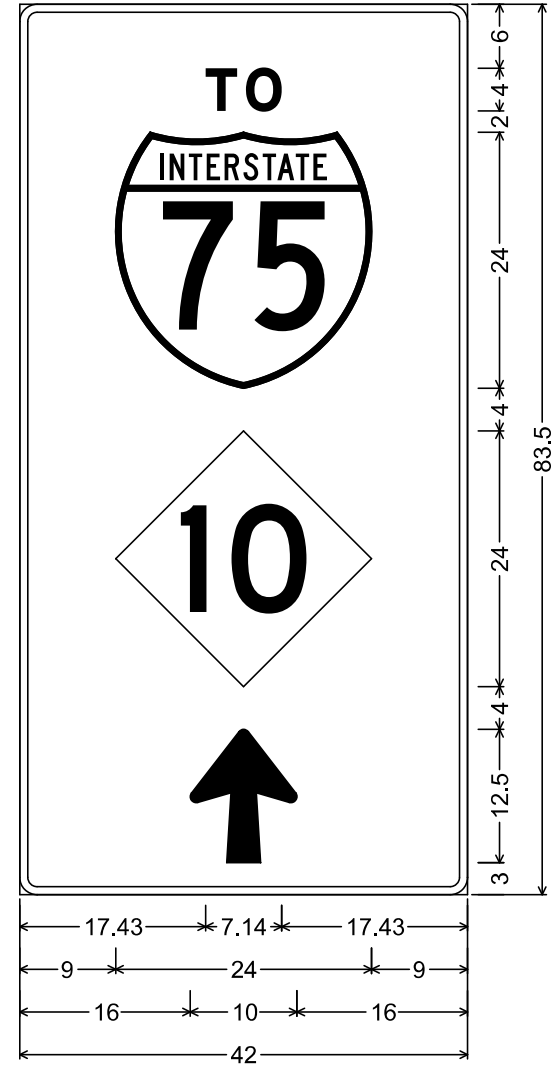
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| RANDOLPH ST STA 202+51.02 POB TO STA 213+00 | | RAND PSIGN 1 |
| | | SECT 1 |



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



R7-SS;
1.50" Radius, 0.38" Border, 0.38" Indent, Red on White;
"NO", C;
"STOPPING", C 65% spacing;



M8-1;
0.75" Border, White on Green;
"TO", E Mod;
State Highway 10 M1-6a;
Arrow A-10 - 12.50" 90°;

| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | | | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | |
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TECHNICAL SKILL
CREATIVE SPIRIT

DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:

CS:
JN: PW-7058

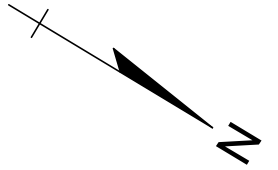
PERMANENT SIGNING
RANDOLPH ST STA 213+00 TO STA 221+94.34 POE

DRAWING SHEET
RAND PSIGN 2 SECT 1

EB JEFFERSON AVE

WB JEFFERSON AVE

LARNED ST



RANDOLPH STREET

RANDOLPH STREET

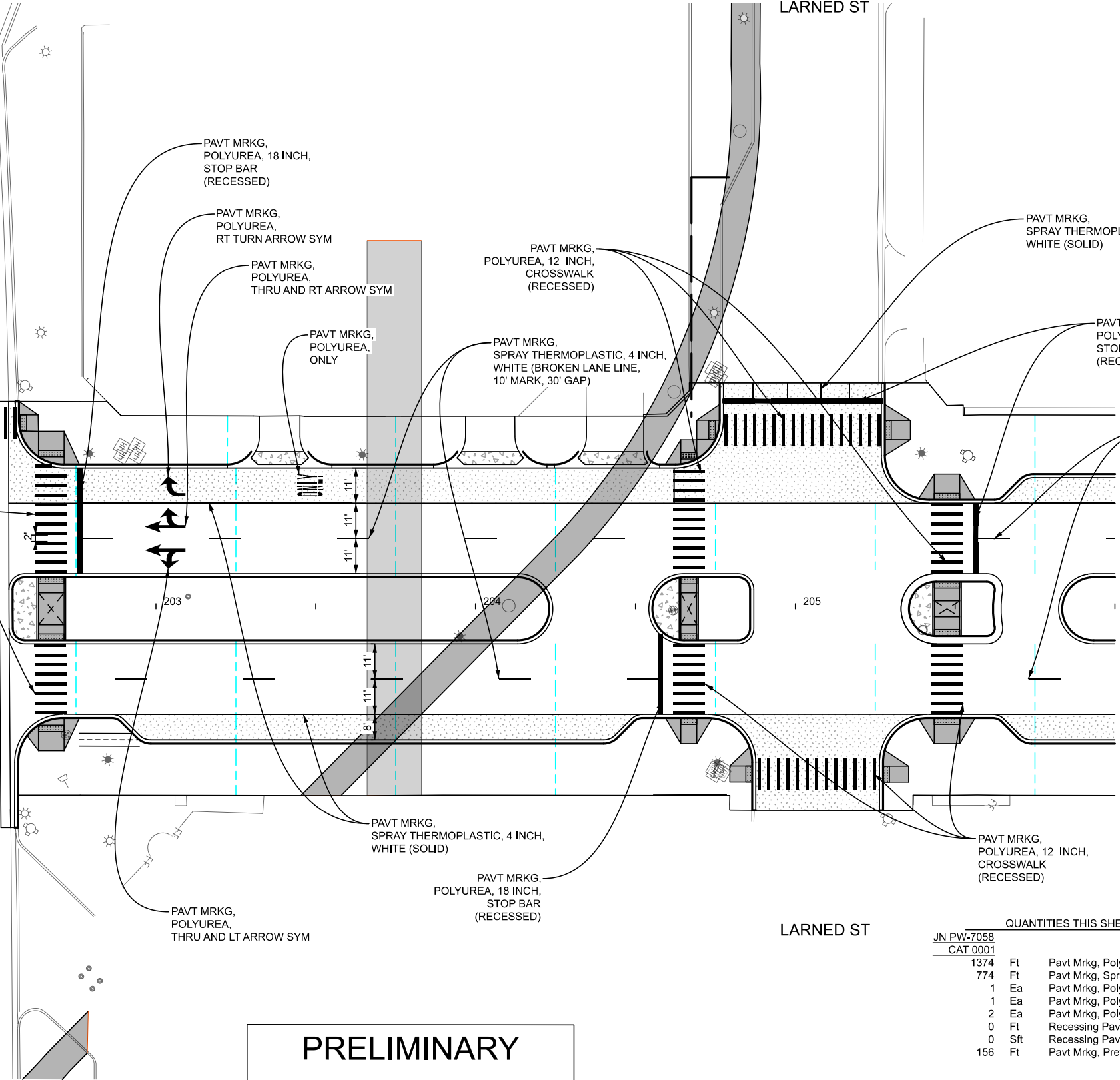
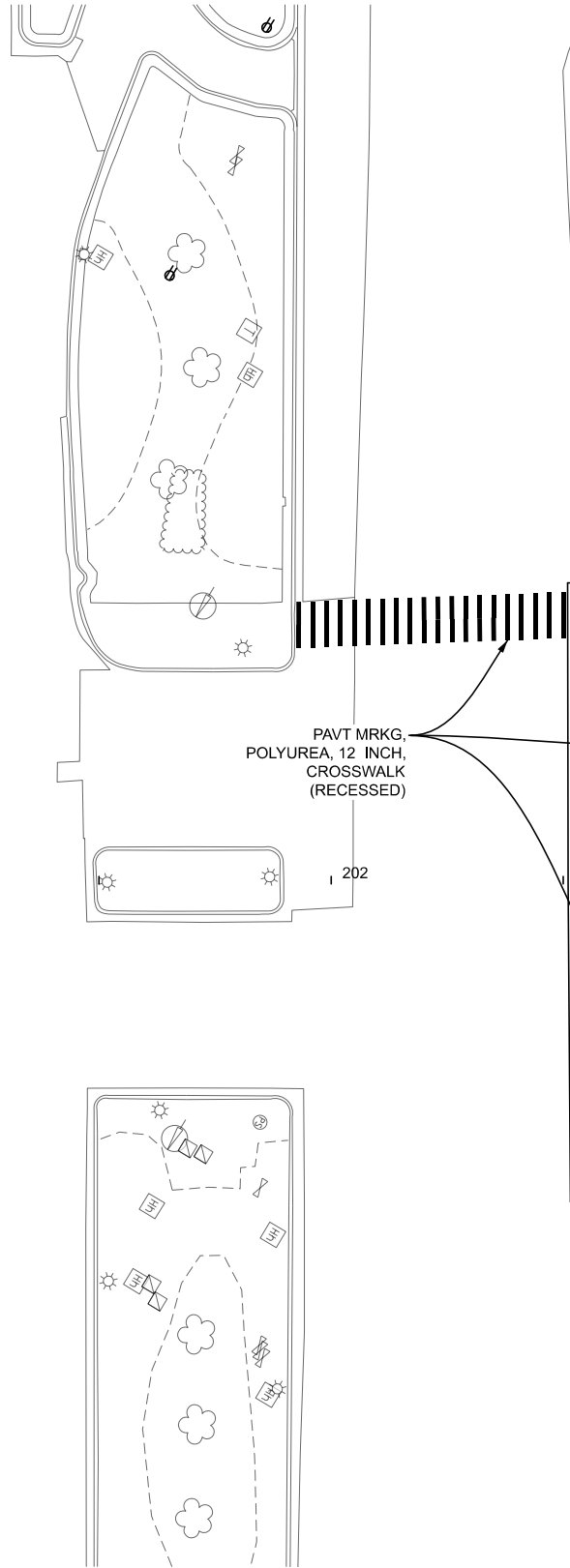
201

202

203

204

205



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

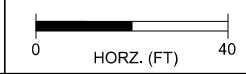
| QTY | UNIT | DESCRIPTION |
|------|------|--|
| 1374 | Ft | Pavt Mrkg, Polyurea, 12 inch, Crosswalk |
| 774 | Ft | Pavt Mrkg, Sprayable Thermopl, 4 inch, White |
| 1 | Ea | Pavt Mrkg, Polyurea, Only |
| 1 | Ea | Pavt Mrkg, Polyurea, Rt Turn Arrow Sym |
| 2 | Ea | Pavt Mrkg, Polyurea, Thru and Lt Turn Arrow Sym |
| 0 | Ft | Recessing Pavt Mrkg, Longit |
| 0 | Sft | Recessing Pavt Mrkg, Transv |
| 156 | Ft | Pavt Mrkg, Preformed Thermopl, 18 inch, Stop Bar |

EB JEFFERSON AVE

WB JEFFERSON AVE

LARNED ST

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
| | | | |



DATE: 01/19/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Pvmtmrkg_001.dgn

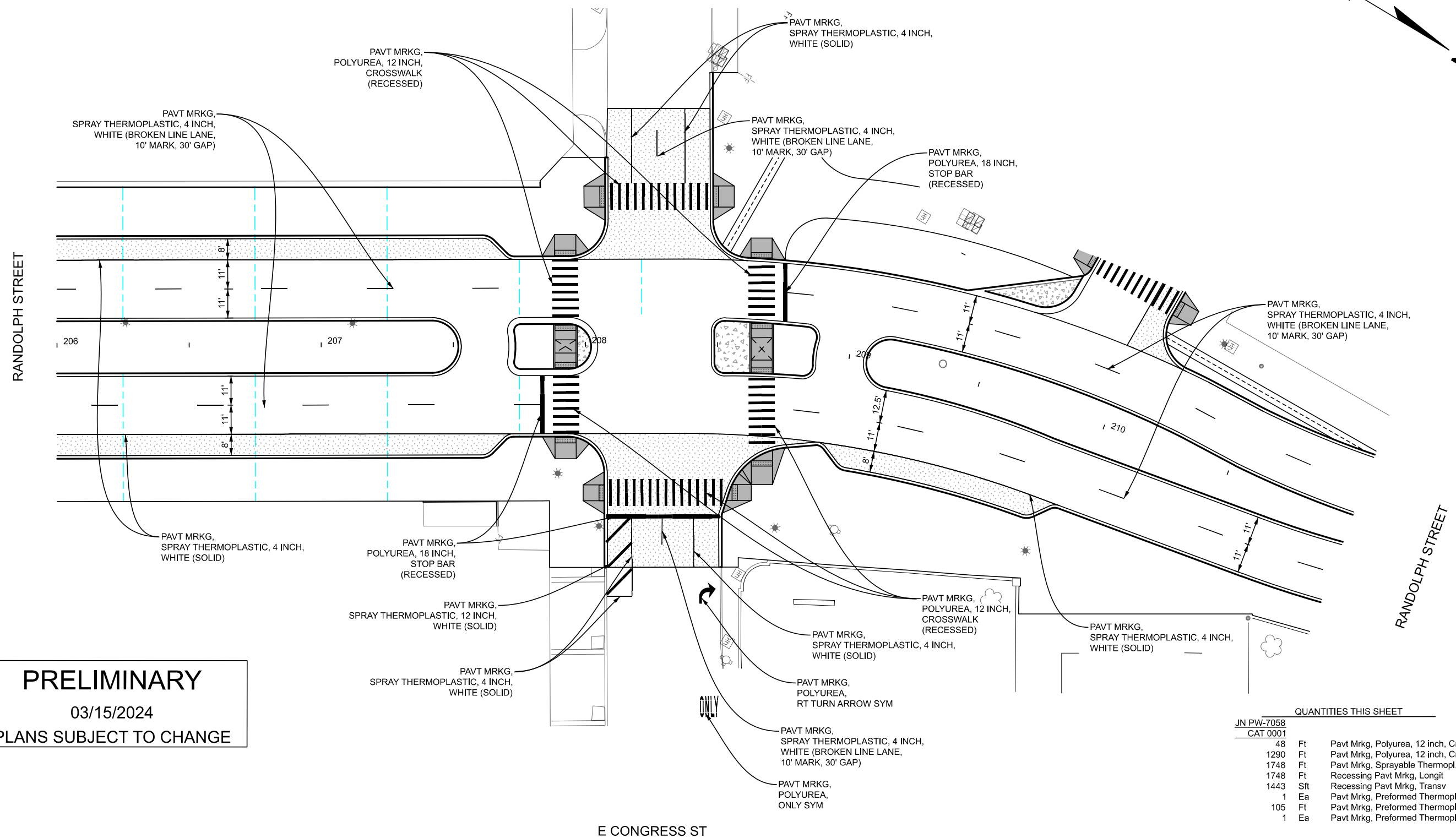
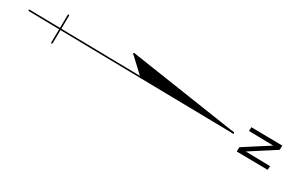
CS:
JN: PW-7058

PAVEMENT MARKINGS
RANDOLPH ST STA 202+51.02 POB TO STA 206+00

DRAWING SHEET
RAND PVMK 1 SECT 1

E CONGRESS ST

CADILLAC SQUARE

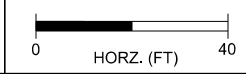


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
|------|------|------|---|-----|------|------|-------------|
| 48 | | | Pavt Mrkg, Polyurea, 12 inch, Cross Hatching, White | | | | |
| 1290 | | | Pavt Mrkg, Polyurea, 12 inch, Crosswalk | | | | |
| 1748 | | | Pavt Mrkg, Sprayable Thermopl, 4 inch, White | | | | |
| 1748 | | | Recessing Pavt Mrkg, Longit | | | | |
| 1443 | | | Recessing Pavt Mrkg, Transv | | | | |
| 1 | | | Pavt Mrkg, Preformed Thermopl, Rt Turn Arrow Sym | | | | |
| 105 | | | Pavt Mrkg, Preformed Thermopl, 18 inch, Stop Bar | | | | |
| 1 | | | Pavt Mrkg, Preformed Thermopl, Only | | | | |

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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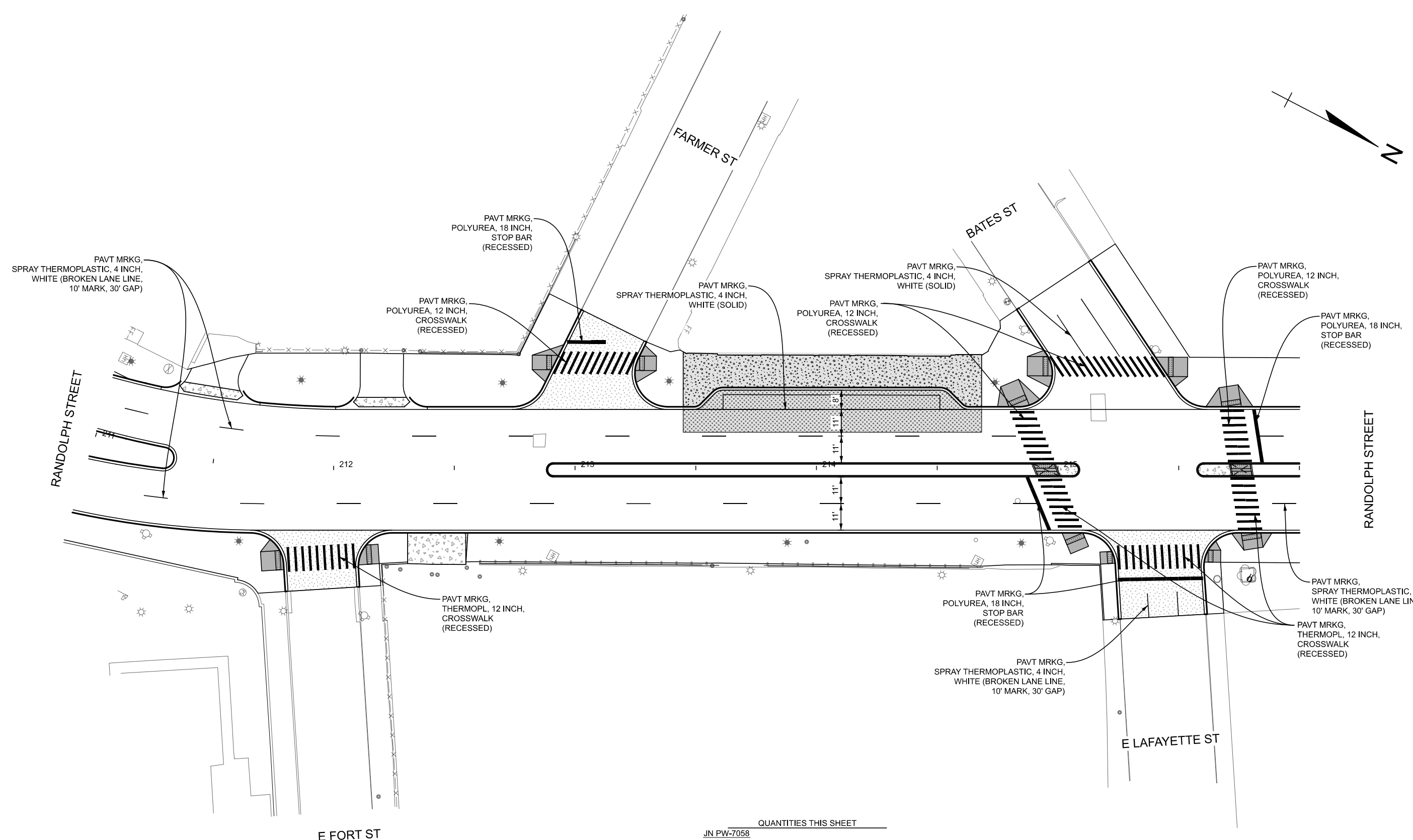
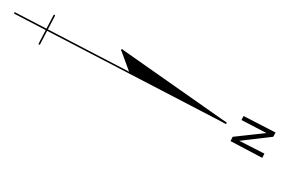


DATE: 01/19/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Pvmtmrkg_002.dgn

CS:
JN: PW-7058

PAVEMENT MARKINGS
RANDOLPH ST STA 206+00 TO STA 211+00

DRAWING SHEET
RAND PVMK 2 SECT 1

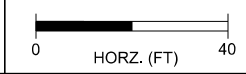


PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| | | |
|------------|-----|--|
| JN PW-7058 | | |
| CAT 0001 | | |
| 1001 | Ft | Pavt Mrkg, Polyurea, 12 inch, Crosswalk |
| 1842 | Ft | Pavt Mrkg, Sprayable ThermoPl, 4 inch, White |
| 1842 | Ft | Recessing Pavt Mrkg, Longit |
| 1119 | Sft | Recessing Pavt Mrkg, Transv |
| 118 | Ft | Pavt Mrkg, Preformed ThermoPl, 18 inch, Stop Bar |

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
| | | | |
| | | | |

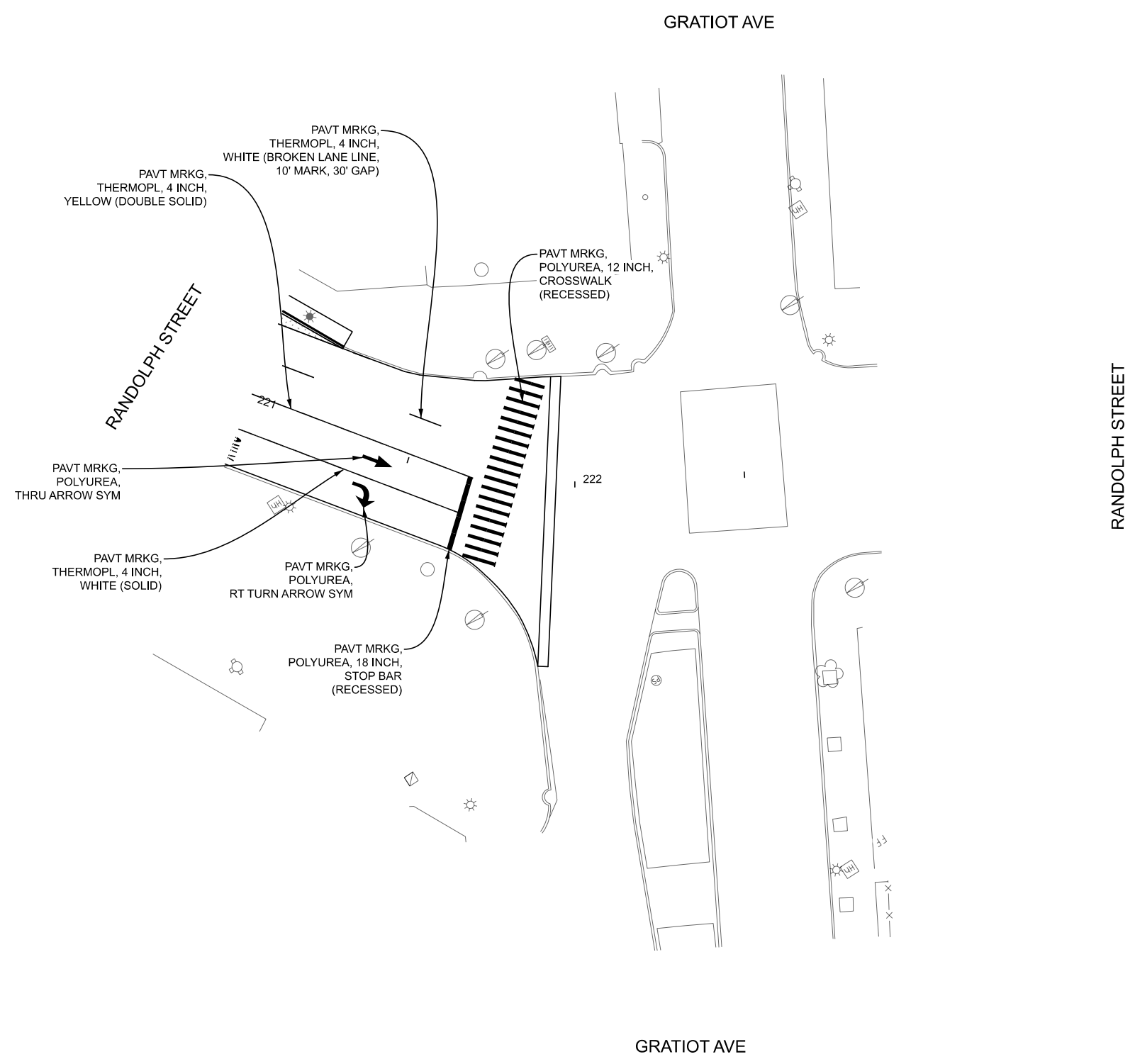
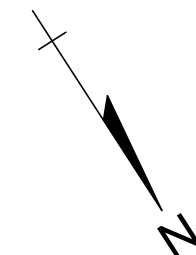


DATE: 01/19/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Pvmtmrkg_003.dgn

CS:
JN: PW-7058

PAVEMENT MARKINGS
RANDOLPH ST STA 211+00 TO STA 216+00



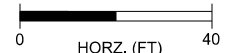
DRAWING SHEET
RAND PVMK 3 SECT 1



PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

QUANTITIES THIS SHEET

| JN PW-7058 | | CAT 0001 | |
|------------|-----|--|--|
| 227 | Ft | Pavt Mrkg, Polyurea, 12 inch, Crosswalk | |
| 171 | Ft | Pavt Mrkg, Sprayable Thermopl, 4 inch, White | |
| 168 | Ft | Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow | |
| 1 | Ea | Pavt Mrkg, Polyurea, Rt Turn Arrow Sym | |
| 1 | Ea | Pavt Mrkg, Polyurea, Thru Arrow Sym | |
| 170 | Ft | Recessing Pavt Mrkg, Longit | |
| 128 | Sft | Recessing Pavt Mrkg, Transv | |
| 27 | Ft | Pavt Mrkg, Preformed Thermopl, 18 inch, Stop Bar | |

| | | | | | | | | | | | | | | |
|--|------|------|-------------|-----|------|---|---|---|----------------|-------------|----------------------|-------------|---|-------|
| FINAL ROW PLAN REVISIONS SUBMITTAL DATE: | | | | | |  |  |  | DATE: 11/17/23 | CS: | PAVEMENT MARKINGS | | DRAWING | SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | | | | AUTH | DESCRIPTION | DESIGN UNIT: DETROIT | JN: PW-7058 | RANDOLPH ST STA 221+00 TO STA 221+94.34 POE | |
| | | | | | | | | FILE: DETR0062_Pvmtmrkg_005.dgn | TSC: | | | PVMK | | |
| | | | | | | | | | | | | 5 | | |

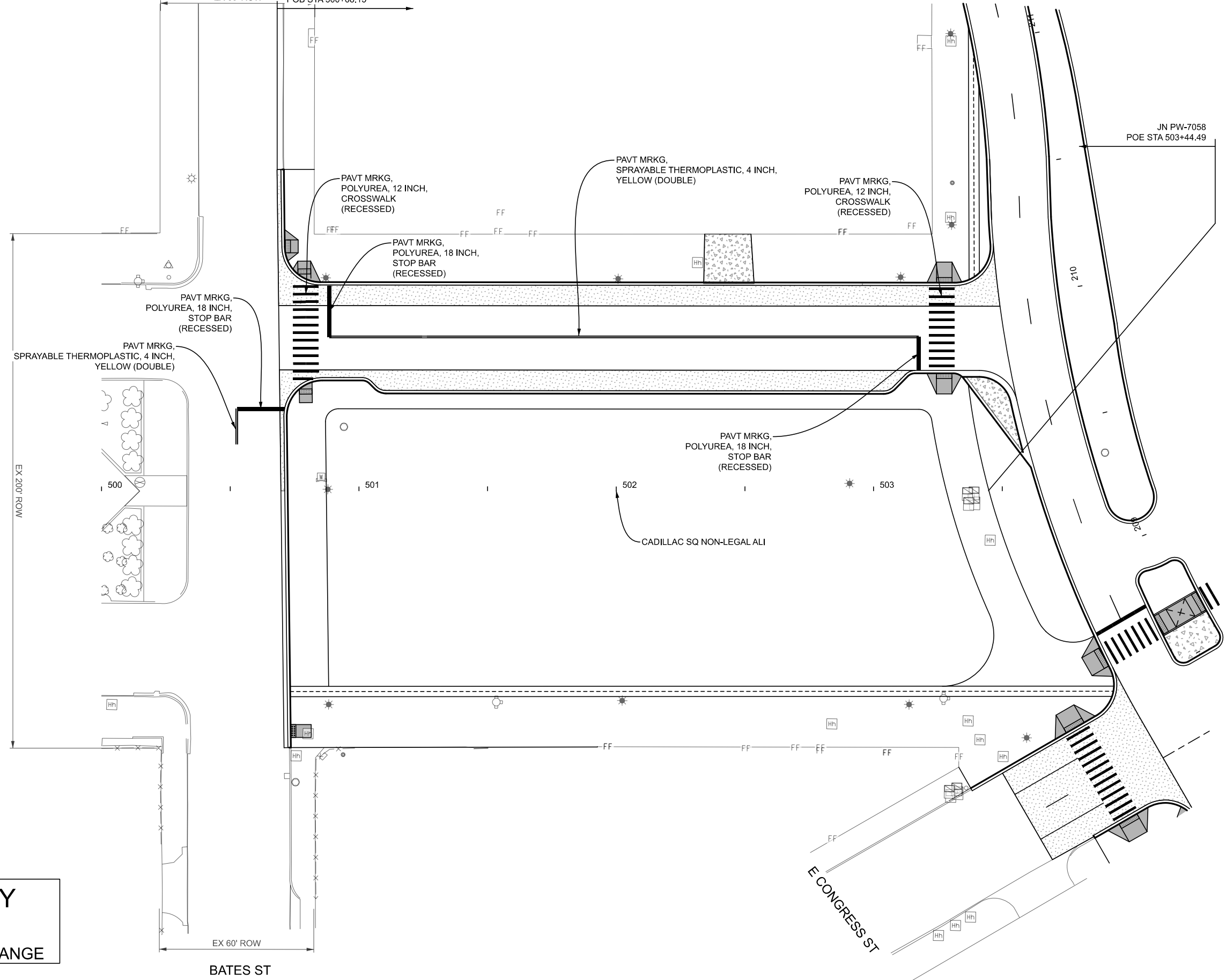
BATES ST

RANDOLPH ST



EX 60' ROW JN PW-7058 POB STA 500+68.15

JN PW-7058 POE STA 503+44.49



WB CADILLAC SQ

EB CADILLAC SQ

EX 200' ROW

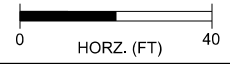
EX 60' ROW

BATES ST

E CONGRESS ST

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
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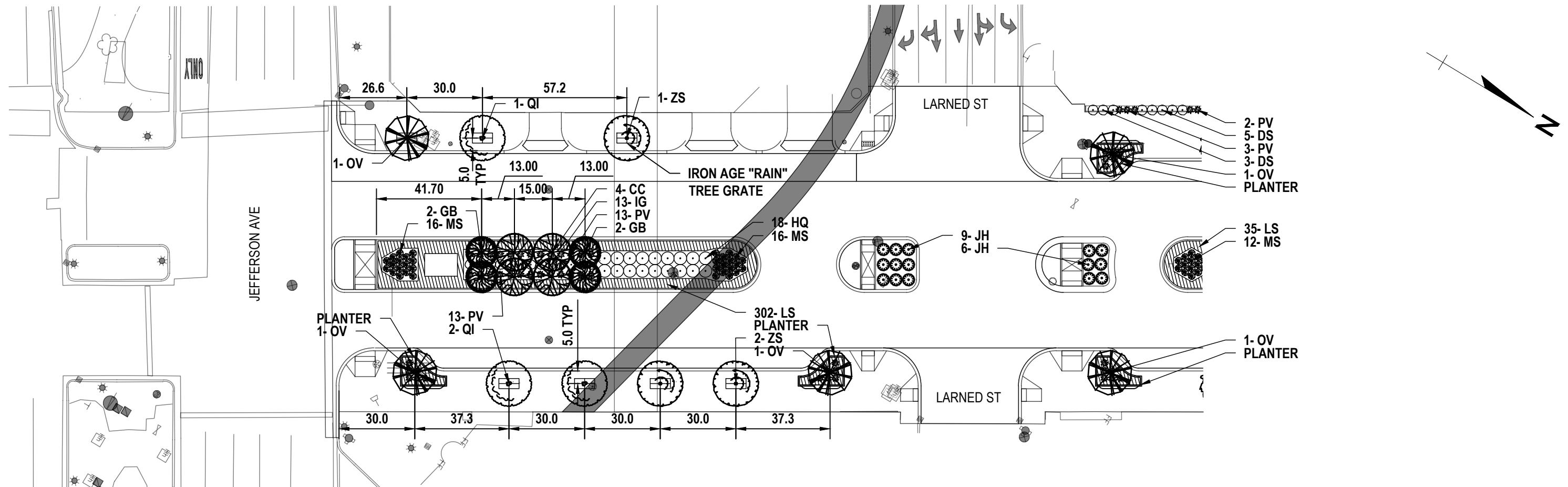


DATE: 11/17/23
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_Pvmtmrkg_006.dgn

CS:
JN: PW-7058

PAVEMENT MARKINGS
CADILLAC SQUARE STA 0+00 TO STA 0+00

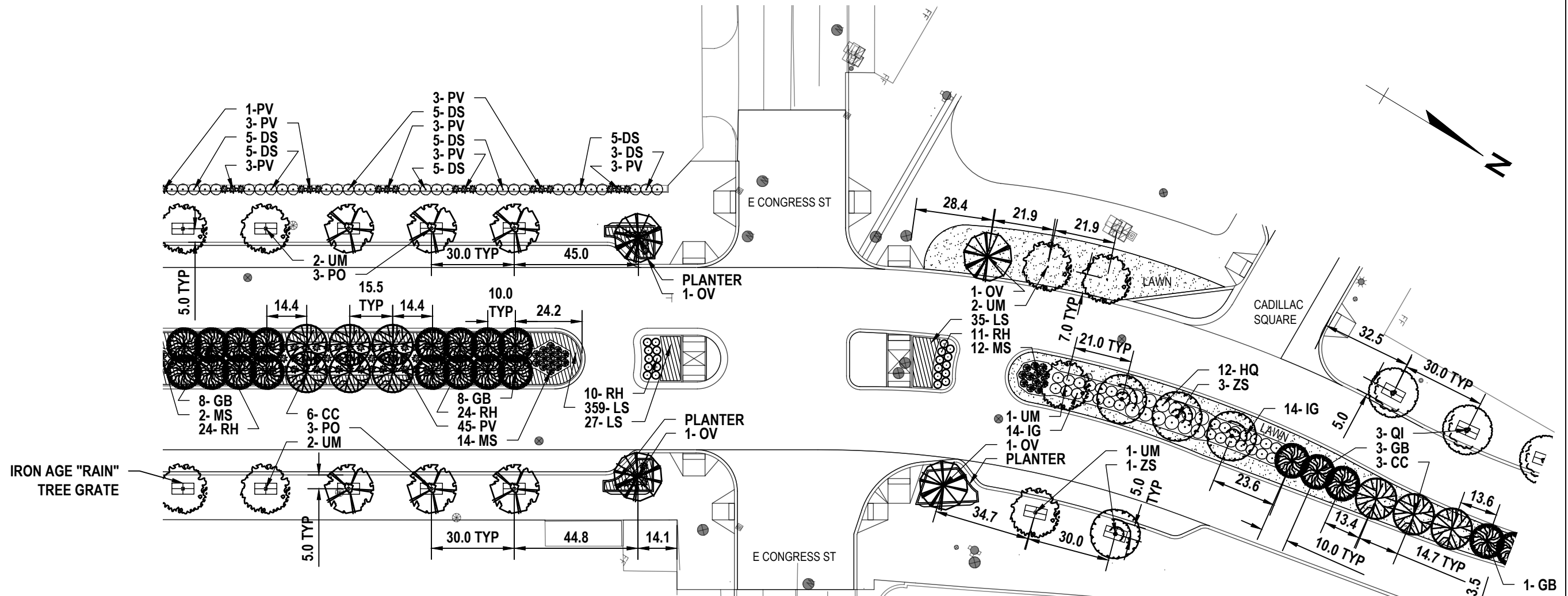
DRAWING SHEET
CADI PVMK 6 SECT 1



| SECTION 1 PLANT LIST | | SYMBOL | SCIENTIFIC NAME | COMMON NAME | SIZE (HEIGHT OR CALIPER) | ROOT | SPACING | REMARKS |
|------------------------|-----|--------|--|---------------------------------|--------------------------|------|-------------|-------------------|
| DECIDUOUS TREES | | | | | | | | |
| | 4 | CC | <i>Carpinus caroliniana 'Palisade'</i> | Palisade American Hornbeam | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 4 | GB | <i>Ginkgo biloba 'Fastigiata'</i> | Fastigate Ginkgo | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 5 | OV | <i>Ostrya virginiana</i> | American Hophornbeam | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 3 | QI | <i>Quercus imbricaria</i> | Shingle Oak | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 3 | ZS | <i>Zelkova serrata</i> | Japanese Zelkova | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| Total | 19 | | | | | | | |
| SHRUBS | | | | | | | | |
| | 18 | HQ | <i>Hydrangea quercifolia 'Ruby Slippers'</i> | Ruby Slippers Oakleaf Hydrangea | 3 gal. | Cont | 5' O.C. | |
| | 8 | DS | <i>Diervilla x 'G2X88544'</i> | Kodiak Orange Bush Honeysuckle | 3 gal. | Cont | 48" O.C. | |
| | 13 | IG | <i>Ilex glabra</i> | Inkberry Holly | 3 gal. | Cont | 48" O.C. | |
| | 15 | JH | <i>Juniperus horizontalis 'Andora'</i> | Andora Juniper | 3 gal. | Cont | As Per Plan | |
| | 337 | LS | <i>Liriope spicata</i> | Creeping Lilyturf | 1 gal. | Cont | 24" O.C. | |
| | 44 | MS | <i>Miscanthus sinensis 'Yakushima'</i> | Dwarf Maiden Grass | 1 gal. | Cont | 36" O.C. | |
| | 31 | PV | <i>Panicum virgatum 'Shenandoah'</i> | Shenandoah Switchgrass | 1 gal. | Cont | 36" O.C. | |
| Total | 466 | | | | | | | |

NOTE:
IRRIGATION IN PLANTING BEDS, TREE WELLS
AND PLANTERS TO BE DESIGNED BY
OTHERS.

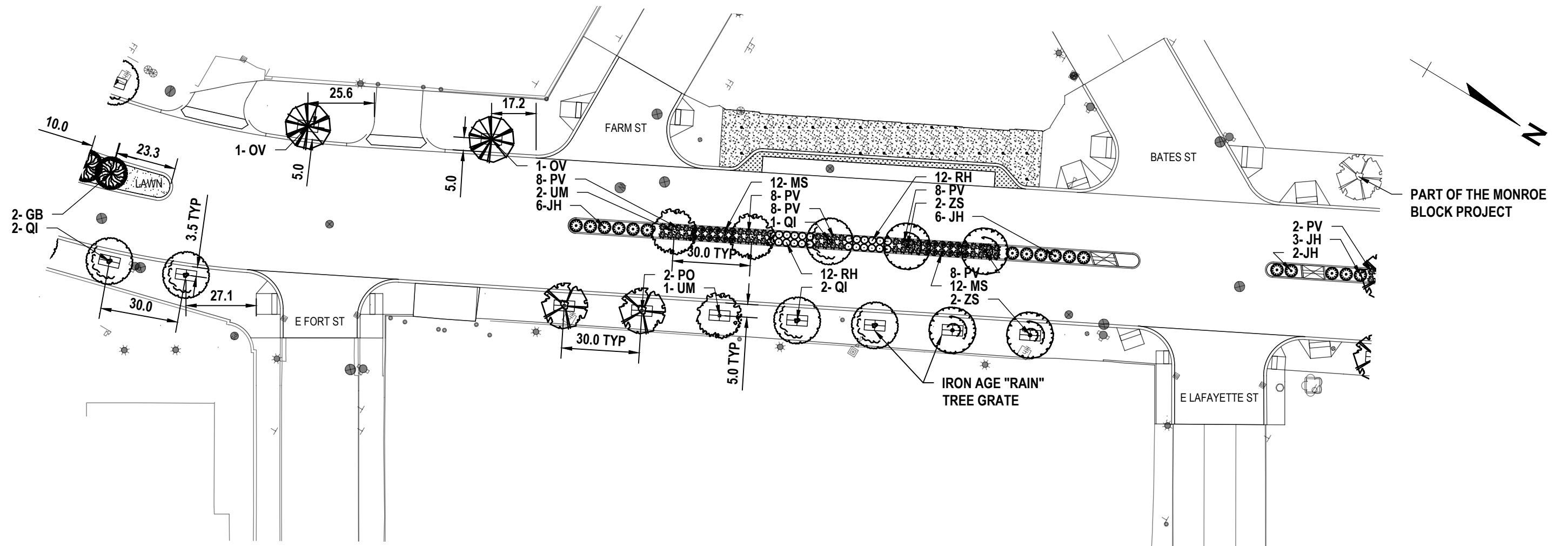
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



| SECTION 2 PLANT LIST | | | | | | | | |
|------------------------|-----|--------|--|---------------------------------|--------------------------|------|-------------|-------------------|
| | | SYMBOL | SCIENTIFIC NAME | COMMON NAME | SIZE (HEIGHT OR CALIPER) | ROOT | SPACING | REMARKS |
| DECIDUOUS TREES | | | | | | | | |
| | 9 | CC | <i>Carpinus caroliniana 'Palisade'</i> | Palisade American Hornbeam | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 20 | GB | <i>Ginkgo biloba 'Fastigiata'</i> | Fastigate Ginkgo | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 4 | OV | <i>Ostrya virginiana</i> | American Hophornbeam | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 6 | PO | <i>Platanus occidentalis</i> | Sycamore | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 4 | QI | <i>Quercus imbricaria</i> | Shingle Oak | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 8 | UM | <i>Ulmus 'Morton' ACCOLADE</i> | Accolade Elm | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 4 | ZS | <i>Zelkova serrata</i> | Japanese Zelkova | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| Total | 55 | | | | | | | |
| SHRUBS | | | | | | | | |
| | 12 | HQ | <i>Hydrangea quercifolia 'Ruby Slippers'</i> | Ruby Slippers Oakleaf Hydrangea | 3 gal. | Cont | 5' O.C. | |
| | 33 | DS | <i>Diervilla x 'G2X88544'</i> | Kodiak Orange Bush Honeysuckle | 3 gal. | Cont | 48" O.C. | |
| | 28 | IG | <i>Ilex glabra</i> | Inkberry Holly | 3 gal. | Cont | 48" O.C. | |
| | 421 | LS | <i>Liriope spicata</i> | Creeping Lilyturf | 1 gal. | Cont | 24" O.C. | |
| | 28 | MS | <i>Miscanthus sinensis 'Yakushima'</i> | Dwarf Maiden Grass | 1 gal. | Cont | 36" O.C. | |
| | 64 | PV | <i>Panicum virgatum 'Shenandoah'</i> | Shenandoah Switchgrass | 1 gal. | Cont | 36" O.C. | |
| | 69 | RH | <i>Rosa 'Horcoherent'</i> | Rosa Oso Easy Peachy Cream | 3 gal. | Cont | 36" O.C. | |
| Total | 655 | | | | | | | |

NOTE:
IRRIGATION IN PLANTING BEDS, TREE WELLS
AND PLANTERS TO BE DESIGNED BY
OTHERS.

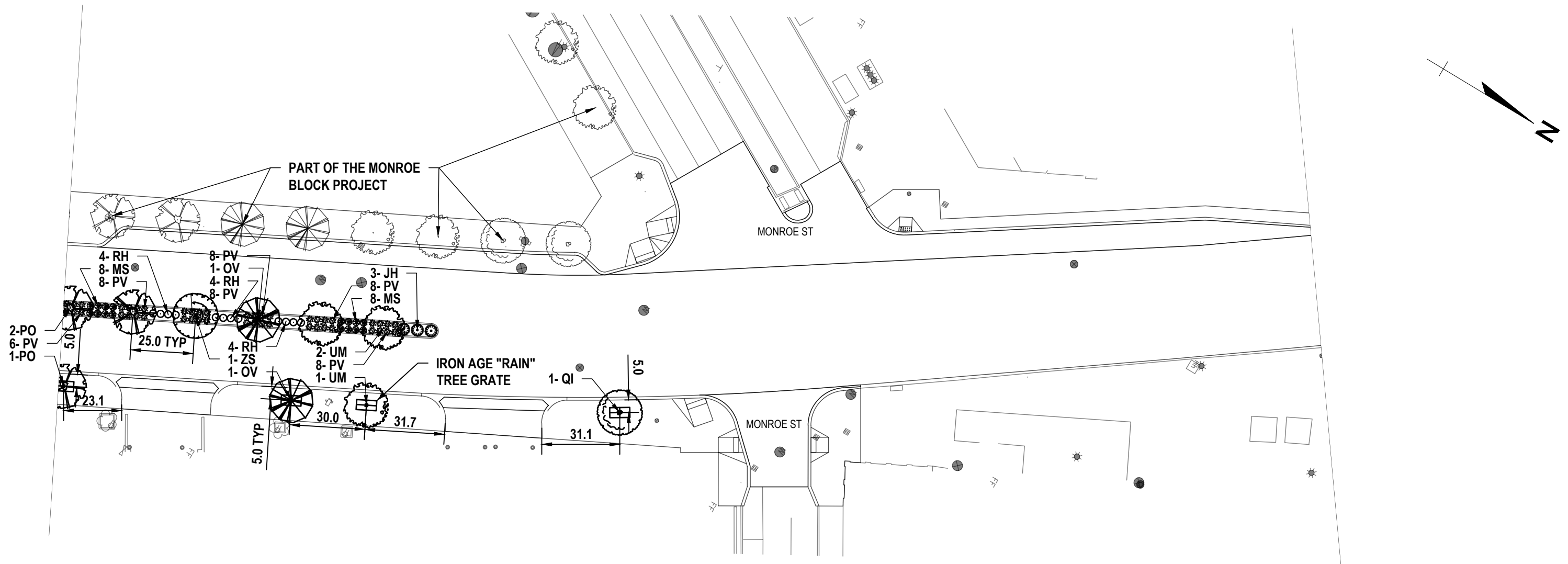
PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



| SECTION 3 PLANT LIST | | | | | | | | |
|------------------------|------------|--------|--|----------------------------|--------------------------|------|-------------|-------------------|
| | | SYMBOL | SCIENTIFIC NAME | COMMON NAME | SIZE (HEIGHT OR CALIPER) | ROOT | SPACING | REMARKS |
| DECIDUOUS TREES | | | | | | | | |
| | 2 | GB | <i>Ginkgo biloba</i> 'Fastigiata' | Fastigate Ginkgo | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 2 | OV | <i>Ostrya virginiana</i> | American Hophornbeam | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 2 | PO | <i>Platanus occidentalis</i> | Sycamore | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 5 | QI | <i>Quercus imbricaria</i> | Shingle Oak | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 3 | UM | <i>Ulmus</i> 'Morton' ACCOLADE | Accolade Elm | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 4 | ZS | <i>Zelkova serrata</i> | Japanese Zelkova | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| Total | 18 | | | | | | | |
| SHRUBS | | | | | | | | |
| | 17 | JH | <i>Juniperus horizontalis</i> 'Andora' | Andora Juniper | 3 gal. | Cont | As Per Plan | |
| | 24 | MS | <i>Miscanthus sinensis</i> 'Yakushima' | Dwarf Maiden Grass | 1 gal. | Cont | 36" O.C. | |
| | 42 | PV | <i>Panicum virgatum</i> 'Shenandoah' | Shenandoah Switchgrass | 1 gal. | Cont | 36" O.C. | |
| | 24 | RH | <i>Rosa</i> 'Horcoherent' | Rosa Oso Easy Peachy Cream | 3 gal. | Cont | 36" O.C. | |
| Total | 107 | | | | | | | |

NOTE:
IRRIGATION IN PLANTING BEDS, TREE WELLS
AND PLANTERS TO BE DESIGNED BY
OTHERS.

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE



| SECTION 4 PLANT LIST | | | | | | | | |
|------------------------|-----------|--------|--|----------------------------|--------------------------|------|-------------|-------------------|
| | | SYMBOL | SCIENTIFIC NAME | COMMON NAME | SIZE (HEIGHT OR CALIPER) | ROOT | SPACING | REMARKS |
| DECIDUOUS TREES | | | | | | | | |
| | 2 | OV | <i>Ostrya virginiana</i> | American Hophornbeam | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 3 | PO | <i>Platanus occidentalis</i> | Sycamore | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 1 | QI | <i>Quercus imbricaria</i> | Shingle Oak | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 3 | UM | <i>Ulmus 'Morton' ACCOLADE</i> | Accolade Elm | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| | 1 | ZS | <i>Zelkova serrata</i> | Japanese Zelkova | 2 1/2" | B&B | As Per Plan | Specimen quality. |
| Total | 10 | | | | | | | |
| SHRUBS | | | | | | | | |
| | 3 | JH | <i>Juniperus horizontalis 'Andora'</i> | Andora Juniper | 3 gal. | Cont | As Per Plan | |
| | 16 | MS | <i>Miscanthus sinensis 'Yakushima'</i> | Dwarf Maiden Grass | 1 gal. | Cont | 36" O.C. | |
| | 46 | PV | <i>Panicum virgatum 'Shenandoah'</i> | Shenandoah Switchgrass | 1 gal. | Cont | 36" O.C. | |
| | 12 | RH | <i>Rosa 'Horcoherent'</i> | Rosa Oso Easy Peachy Cream | 3 gal. | Cont | 36" O.C. | |
| Total | 77 | | | | | | | |

PRELIMINARY
03/15/2024
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NOTES:

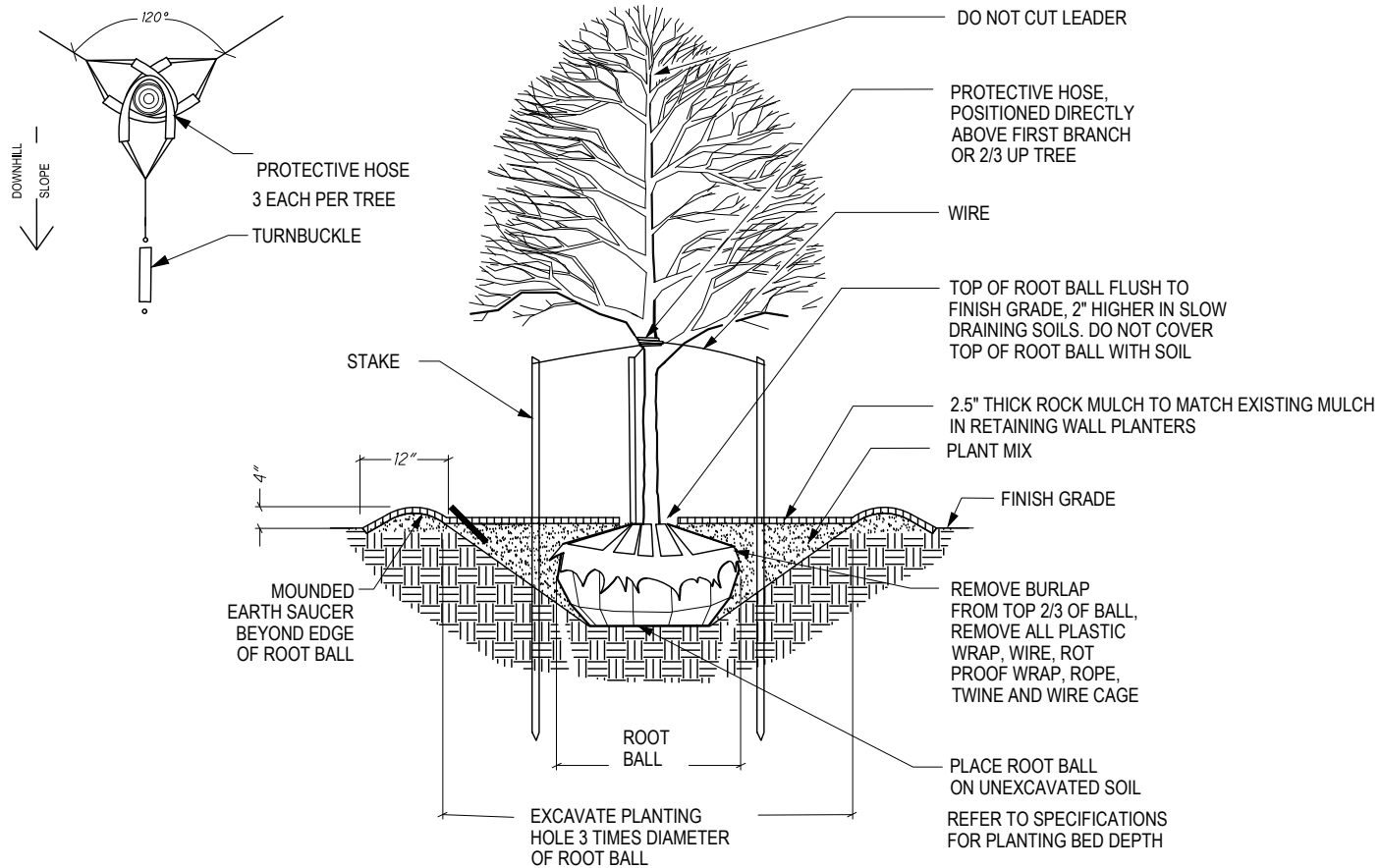
STAKES TO EXTEND 18" INTO UNDISTURBED SOIL.

SET STAKES VERTICAL AND AT EQUAL HEIGHT.

TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE TO PREVIOUS GRADE.

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

STAKE TREES UNDER 3" CALIPER - GUY TREES 3" CALIPER & OVER.

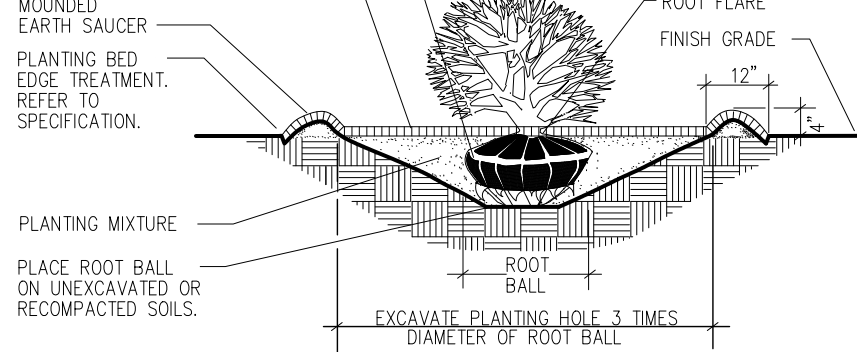


DECIDUOUS TREE WITH GUYS
(2 1/2" CALIPER AND LESS) NO SCALE

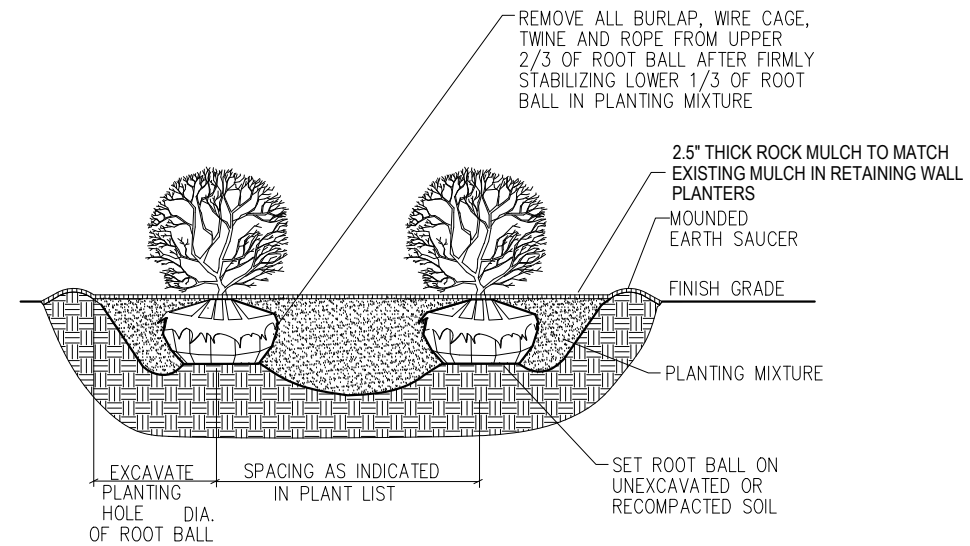
ALL SHRUBS PLANTED IN ROWS OR MASSES SHALL BE MATCHED IN SIZE AND FORM. SET ALL PLANTS AT PROPER DEPTH. ROOT FLARE SHALL BE AT FINISHED SOIL ELEVATION.

REMOVE ALL BURLAP, WIRE CAGE, TWINE AND ROPE FROM UPPER 3/4 OF ROOT BALL AFTER FIRMLY STABILIZING LOWER 1/4 OF ROOT BALL IN PLANTING MIXTURE.

2.5" THICK ROCK MULCH TO MATCH EXISTING MULCH IN RETAINING WALL PLANTERS



SHRUB PLANTING - B & B NO SCALE

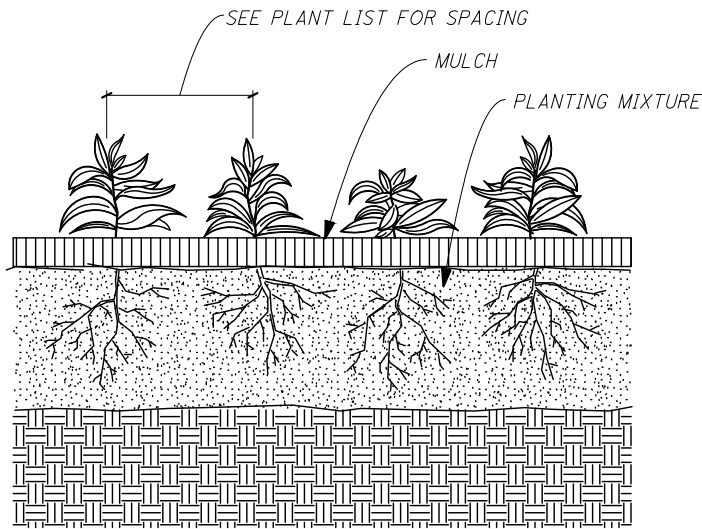
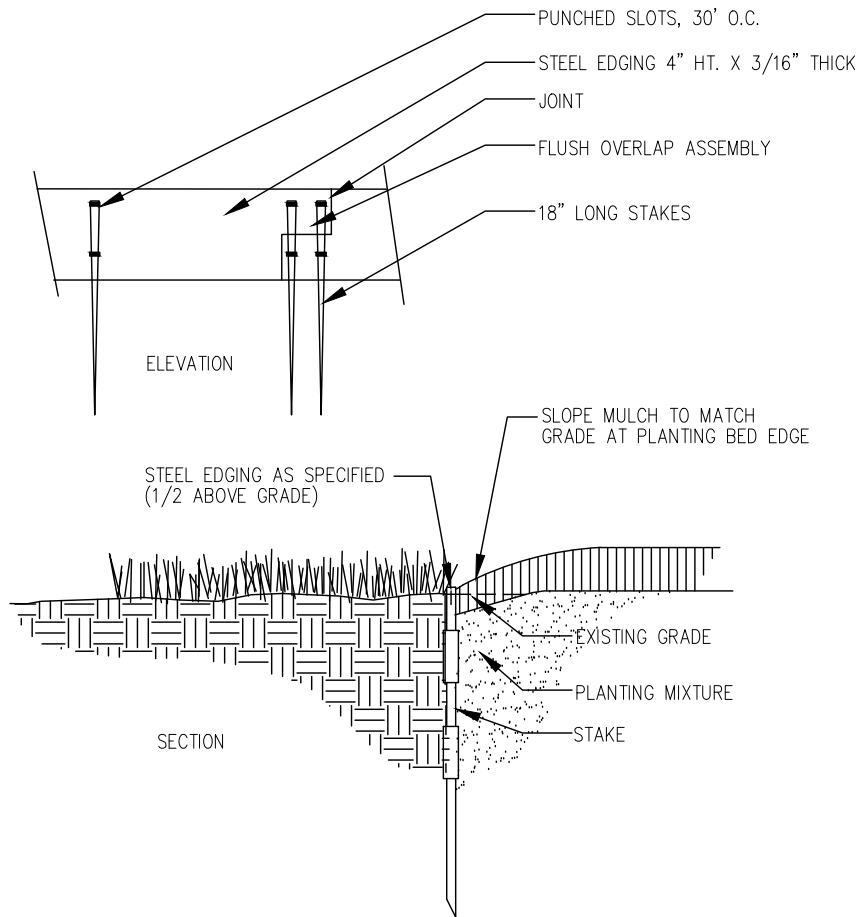


NOTE:
ALL SHRUBS PLANTED IN ROWS OR MASSES SHALL BE MATCHED IN SIZE AND FORM
SHRUBS SHALL BEAR SAME RELATION TO FINISH GRADE AS THEY BORE TO PREVIOUS GRADE.

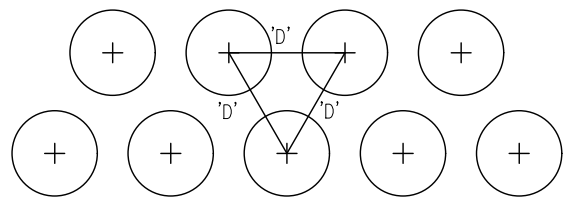
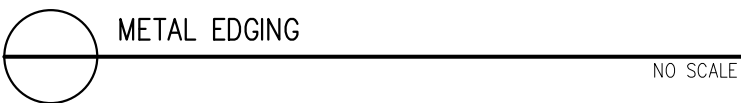
MASS SHRUB PLANTING
B & B or CONTAINER NO SCALE

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

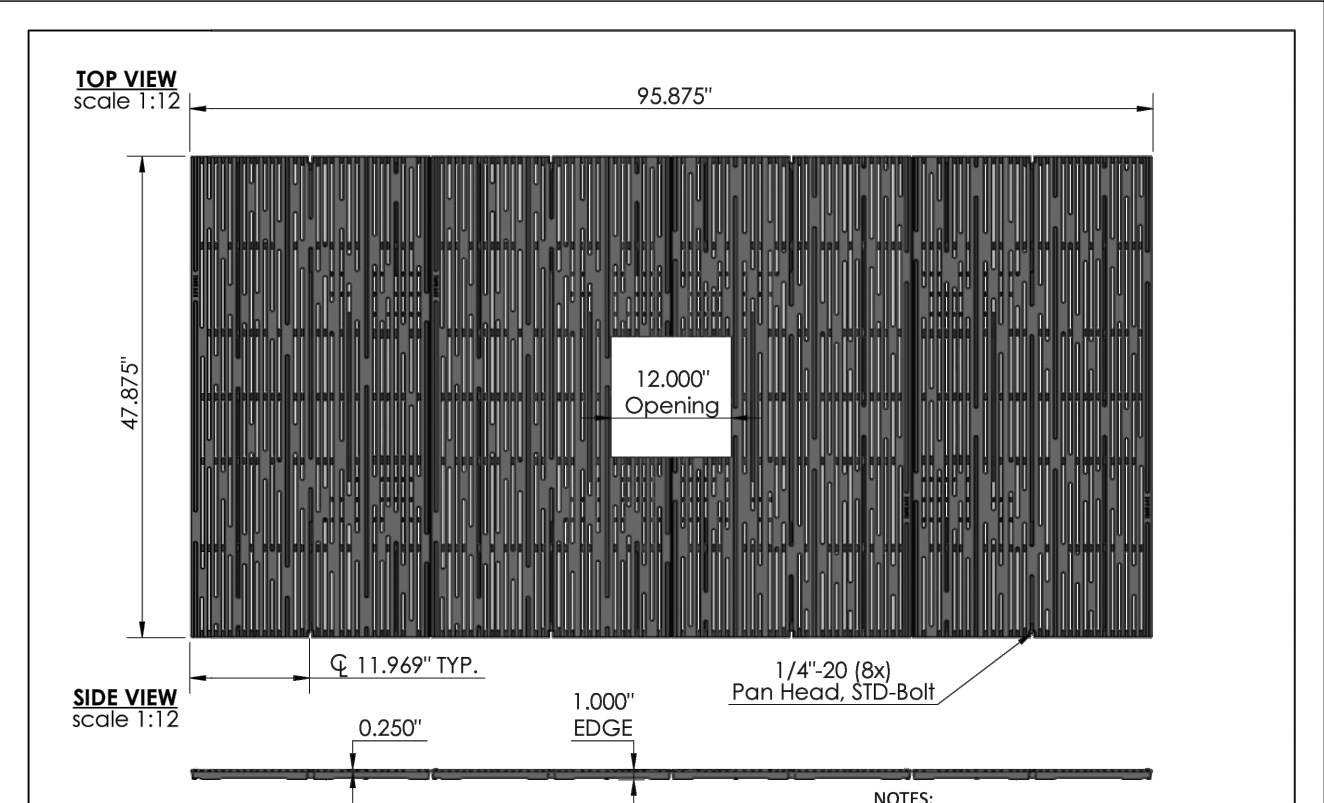
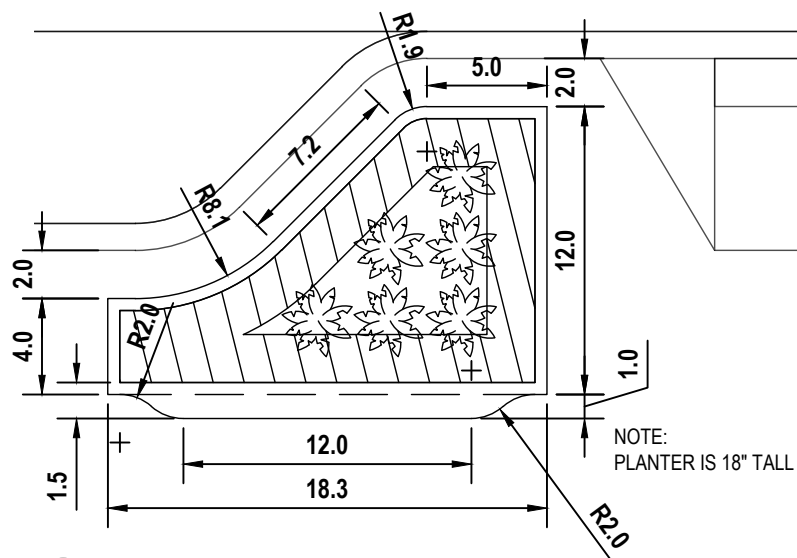
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|--|------|------|-------------|-----|------|------|-------------|--|--|--|--|--------------------|--|--------------------------|--|------------------------------|--|----------------|--|
| 90% SUBMITTAL SUBMITTAL DATE: 03/15/2024 | | | | | | | | | | DATE: 03/15/2024 DESIGN UNIT: DETROIT TSC: | | CS: JN: PW-7058 | | LANDSCAPE DETAILS | | DRAWING RAND LSDT 1 | | SHEET DET 1 | |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | | | | | | | |



NOTES:
 PLANT TO WITHIN 4" OF TREE OR SHRUB ROOT BALL.
 SET PLANTS WITH BOTTOM LEAVES AT GRADE AFTER MULCHING.



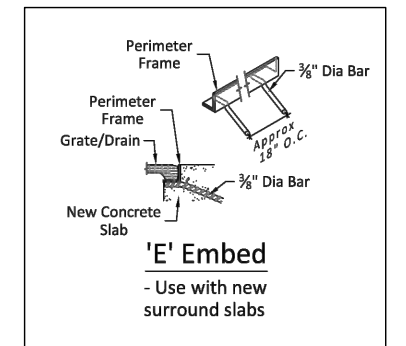
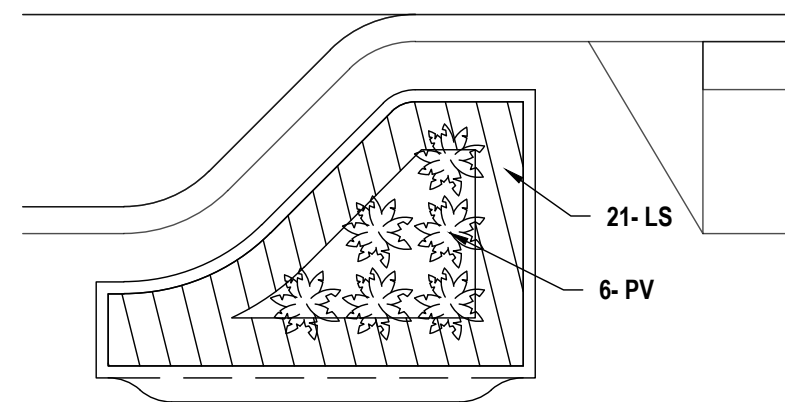
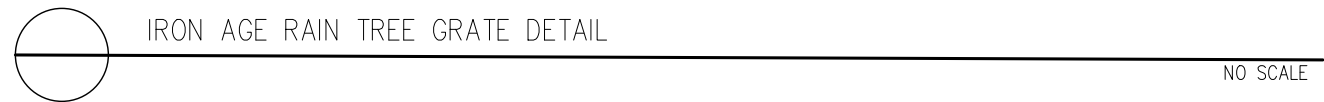
D = DIMENSION OF PLANT SPACING (SHRUB, GROUND COVER OR PERENNIAL) AS INDICATED IN PLANT LIST



NOTES:
 1. Heel Proof Compliant: No thru openings greater than 1/4".
 2. Ships in pieces: 4
 3. Due to casting inconsistencies, all dimensions are nominal.

Rain 4' x 8' Tree Grate 12" Opening - Heel Proof

| | | | | | | |
|--|---|-------------------------------|---|---|-------------|----------------|
| IRON AGE DESIGNS Telephone 206.276.0925 www.ironagegrates.com | Material: Ductile Iron 65-45-12 or better | Weight: 461.58 lbs. | Free Drain Area: 787.15 in/sq. or 17.72 % | By: MS | Checked: MS | Date: 10-27-23 |
| | Finish: Raw | Edge: 1.000" | Flow Rate: 1031.16 GPM | © Registration: VA 2-112-979 Scale: NTS | | |
| | Fits: Iron Age CustomFrames SOLD SEPARATELY | Product ID: RNX48-96I99TGHP12 | Drawing Name: 01_Rai_L_48x96HP_TreeGrate12open_IRON | | | |
| | | | | | | Page 1 |



PRELIMINARY
 03/15/2024
 PLANS SUBJECT TO CHANGE

GENERAL LANDSCAPE NOTES

THE WORK CONSISTS OF PROVIDING ALL NECESSARY MATERIALS, LABOR, EQUIPMENT, TOOLS AND SUPERVISION REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PERTINENT UTILITY COMPANIES 3 WORKING DAYS IN ADVANCE OF ANY DIGGING TO FAMILIARIZE THEMSELVES WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE TO ANY UTILITIES.

THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH THE CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND FIELD ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE NOTIFICATION.

DISCREPANCIES BETWEEN DIMENSIONED LAYOUT AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.

ALL UNPAVED PORTIONS OF THE SITE SHALL BE PLANTED WITH GRASS, GROUND COVER, SHRUBS OR OTHER LIVE PLANT MATERIAL.

ALL LAWN AREAS SHALL HAVE 4" MINIMUM OF TOPSOIL.

ALL PLANTING BEDS SHALL HAVE 12" MINIMUM OF PLANT MIX AND 4" OF SHREDDED HARDWOOD BARK MULCH AS SPECIFIED ON THIS SHEET.

ALL TOPSOIL SHALL BE SCREENED, FERTILE, SANDY LOAM. PH RANGE SHALL BE 6.5%-7%. ORGANIC CONTENT SHALL RANGE BETWEEN 4%-6%. AMEND SOIL AS NECESSARY TO ACHIEVE SOIL PARAMETERS.

PLANT MATERIAL

THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON ALL PLANTS AND VEGETATION PROPOSED ON THE PLANTING PLAN. ANY TREES, SHRUBS, GROUND COVER OR OTHER VEGETATION PLANTED AS PART OF THIS PROJECT THAT DO NOT SURVIVE ONE YEAR FROM PLANTING SHALL BE REPLACED AT THE THE EXPENSE OF THE CONTRACTOR. THE LANDSCAPE ARCHITECT SHALL BE THE SOLE JUDGE OF REQUIRED REPLACEMENTS.

REFER TO THE DRAWING AND PLANTING DETAILS FOR PLANTING REQUIREMENTS, MATERIALS AND EXECUTION. IF THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND THE PLANT LIST, THE DRAWINGS SHALL GOVERN.

PLANT SHRUBS IN A DORMANT CONDITION, BEFORE NEW GROWTH APPEARS. PLANTING AT TIMES OTHER THAN THOSE INDICATED MUST OBTAIN PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT.

PLANTS SHALL BE OBTAINED FROM REGISTERED PLANT NURSERIES, AND NOT OBTAINED FROM THE WILD.

ALL PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT UPON DELIVERY TO THE SITE. PLANTS DELIVERED TO THE SITE THAT DO NOT MEET THE ABOVE CRITERIA MAY BE REJECTED AND ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

THE OWNER RESERVES THE RIGHT TO SELECT AND/OR APPROVE PLANT SELECTIONS AT THE NURSERY WHERE GROWN, PRIOR TO ACCEPTANCE OF MATERIALS.

CONTRACTOR SHALL FIELD STAKE TREES AND SHRUBS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

THE LANDSCAPE ARCHITECT SHALL APPROVE ALL BED LAYOUTS, PRIOR TO INSTALLATION BY THE CONTRACTOR BACKFILL MIX FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:

1. ONE PART EXCAVATED SOIL.
2. ONE PART EPA RATED CLASS IV COMPOST.
3. A SLOW RELEASE COMMERCIAL FERTILIZER (20-20-20 OR EQUAL) ADDED AT A RATE OF 5 POUNDS PER CUBIC YARD TO THE BACKFILL MIX.
4. IF SOIL AREAS ARE OF HIGH PH (GREATER THAN 6.5) APPLY 1.25 POUNDS OF ELEMENTAL SULFUR PER CUBIC YARD OF BACKFILL MIX.

NOTE: CONTRACTOR SHALL SUPPLY A DETAILED SOIL ANALYSIS PRIOR TO ALL PLANT BED PREPARATION. ANALYSIS SHALL INDICATE SOIL PH, TEXTURE, MAJOR NUTRIENTS, SALTS, ETC. SOIL ANALYSIS SHALL BE FROM A REPUTABLE, INDEPENDENT LAB. SOIL AMENDMENTS SHALL BE INCORPORATED INTO BACKFILL/PLANT MIX AS RECOMMENDED BY THE INDEPENDENT LAB.

SMOOTH AND SHAPE THE BACKFILL MIX TO FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PLANTING HOLE. MULCH ALL PLANTING AREAS WITH A LAYER OF FINELY SHREDDED HARDWOOD BARK OF UNIFORM TEXTURE AND SIZE. USE SHREDDED HARDWOOD BARK AGED MIN. OF ONE YEAR. RAKE AND SMOOTH THE ENTIRE AREA OF THE PLANTING BEDS. MULCH TO A DEPTH OF 4 INCHES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, DELIVERING, APPLYING, MEASURING AND SCHEDULING A

SUFFICIENT AMOUNT OF WATER NECESSARY TO KEEP EACH PLANT IN A HEALTHY GROWING CONDITION THROUGHOUT THE PERIOD OF ESTABLISHMENT. THE CONTRACTOR SHALL APPLY 1" OF WATER PER WEEK TO ALL NEW PLANTS.

RESTORATION OF DISTURBED AREAS FOR NEW LAWN. ALL DISTURBED AREAS NOT COVERED BY BUILDING, PAVEMENT OR LANDSCAPE PLANTING BEDS SHALL BE PREPARED FOR GRASS AND SEEDED. LOOSEN RUTS AND WORK THE SOIL AREAS TO A MINIMUM OF 6" DEEP PRIOR TO FINE GRADING AND SEEDING WORK.

STRAW MULCH SHALL BE APPLIED 3" IN DEPTH. ALL MULCHING MUST HAVE A TIE DOWN.

LAWN SEED SHALL BE FRESH, CLEAN, DRY NEW-CROP SEED COMPOSED OF VARIETIES, MIXED IN PROPORTIONS, AND TESTED FOR MINIMUM PERCENTAGES OF PURITY AND GERMINATION AS FOLLOWS BY WEIGHT.

| VARIETY | PROPORTION BY WEIGHT | PURITY | GERMINATION |
|-----------------------------|----------------------|--------|-------------|
| BARON KENTUCKY BLUEGRASS | 20 | 90 | 80 |
| VANTAGE KENTUCKY BLUEGRASS | 20 | 90 | 80 |
| PARK KENTUCKY BLUEGRASS | 20 | 90 | 80 |
| PENNFINE PERENNIAL RYEGRASS | 20 | 90 | 80 |
| CREEPING RED FESCUE | 20 | 90 | 80 |

IRRIGATION

ALL PLANTING BEDS AND TURF AREAS SHALL HAVE FULLY AUTOMATIC IRRIGATION SYSTEM INSTALLED.

WATER SHALL BE POTABLE AND SUPPLIED FROM THE BUILDING.

CONTRACTOR TO COORDINATE WITH THE MEP CONTRACTORS TO HAVE WATER AND POWER SUPPLIED FOR THE IRRIGATION SYSTEM.

WATER SHALL NOT BE SPRAYED ACROSS WALKS, AT SIGNS, OTHER SITE FEATURES OR THE BUILDING.

PLANTING BEDS AND TURF AREAS SHALL BE ZONED SEPARATELY.

CONTRACTOR SHALL DISCUSS WITH OWNER IRRIGATION OPTIONS TO DETERMINING PREFERRED IRRIGATION METHOD OF PLANTING BEDS

TURF AREAS SHALL BE IRRIGATED WITH POP UPS AND/OR ROTORS, SIZED TO FIT THE LAWN AREA TO BE IRRIGATED.

IF THE OWNER ELECTS TO USE DRIP IRRIGATION IN PLANTING BEDS, THE FOLLOWING SPECIFICATIONS APPLY:

- DRIPPERLINE TO BE MANUFACTURED BY HUNTER PLD-06-12, NETAFIM TECHLINE CV, RAINBIRD XSF DRIPLINE XSF-06-12, OR TORO DL2000, RGP-2-12.
- SUBSURFACE IRRIGATION TUBING SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING DRIPPERLINE WITH INTERNAL CHECK VALVE AT EACH EMITTER. DRIPPERLINE SHALL CONSIST OF NOMINAL SIZED ONE-HALF INCH LOW DENSITY, LINEAR POLYETHYLENE TUBING WITH INTERNAL PRESSURE COMPENSATING, CONTINUOUSLY SELF-FLUSHING, INTEGRAL DRIP EMITTERS. THE EMITTERS SHALL HAVE THE ABILITY TO INDEPENDENTLY REGULATE DISCHARGE RATES, WITH AN OUTPUT PRESSURE OF 7 TO 70 PSI AND SHALL CONTINUOUSLY CLEAN THEMSELVES WHILE IN OPERATION.
- DRIPPERLINE SHALL HAVE EMITTERS SPACED 12" O.C. AND EACH EMITTER SHALL HAVE .5 - .6 GPH EMITTER OUTPUT.
- HEADER PIPE FOR ALL DRIPPERLINE SHALL BE POLYETHYLENE PIPE, 1" SIZE.
- ALL FITTINGS SHALL BE MANUFACTURED FOR USE WITH THE SUBSURFACE IRRIGATION TUBING BY THE SUBSURFACE DRIPPERLINE MANUFACTURER.
- ALL ASSOCIATED SYSTEM EQUIPMENT INCLUDING AIR RELIEF VALVES, FLUSH VALVES, PRESSURE REGULATING VALVES AND FILTERS SHALL BE MANUFACTURED FOR USE WITH THE SUBSURFACE IRRIGATION TUBING BY THE SUBSURFACE DRIPPERLINE MANUFACTURER.

SUBMIT SHOP DRAWING OF ALL IRRIGATION COMPONENTS, PROPOSED LAYOUT AND WATER SOURCE, TO THE LANDSCAPE ARCHITECT, FOR REVIEW, PRIOR TO THE START OF CONSTRUCTION.




CONTRACTOR TO OPERATE THE SYSTEM FOR APPROVAL BY THE OWNER.

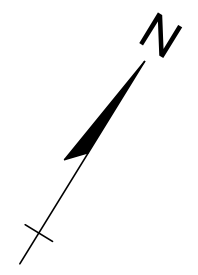
CONTRACTOR TO PROVIDE SPRING START UP, FALL SHUT DOWN AND TRAINING TO THE OWNER'S MAINTENANCE STAFF.

ADJUST IRRIGATION HEADS AND TIMING TO SUIT NEW LANDSCAPE PLAN.

TREAT TREES TO BE RELOCATED, WITH WILT PRUF, OR EQUAL, PRIOR TO TRANSPLANTING. FOLLOW MANUFACTURER'S DIRECTIONS

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| | | | | | | | | | | | | |
|--|------|------|-------------|-----|------|------|-------------|---|---|---|----------------------|-------|
| 90% SUBMITTAL SUBMITTAL DATE: 03/15/2024 | | | | | | | | | | | | |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |  |  |  | DATE: 03/15/2024 | |
| | | | | | | | | | | | CS: | |
| | | | | | | | | | | | DESIGN UNIT: DETROIT | |
| | | | | | | | | | | | JN: PW-7058 | |
| | | | | | | | | | | | TSC: | |
| LANDSCAPE DETAILS | | | | | | | | | | | DRAWING | SHEET |
| | | | | | | | | | | | RAND LSDT 2 | NOTES |
| | | | | | | | | | | | | |

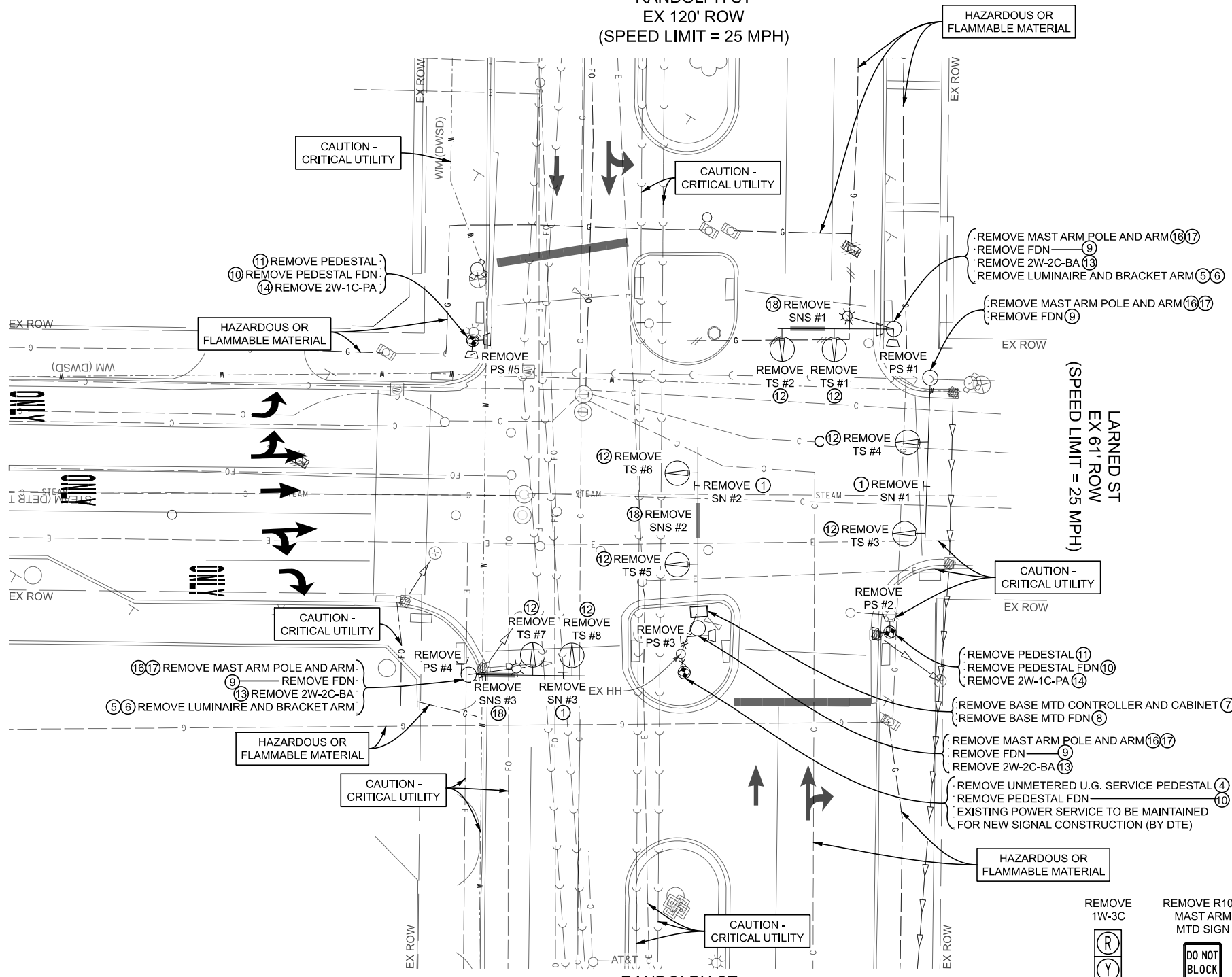


RANDOLPH ST
EX 120' ROW
(SPEED LIMIT = 25 MPH)

LARNED ST
EX 70' ROW
(SPEED LIMIT = 25 MPH)

LARNED ST
EX 61' ROW
(SPEED LIMIT = 25 MPH)

RANDOLPH ST
EX 120' ROW
(SPEED LIMIT = 25 MPH)



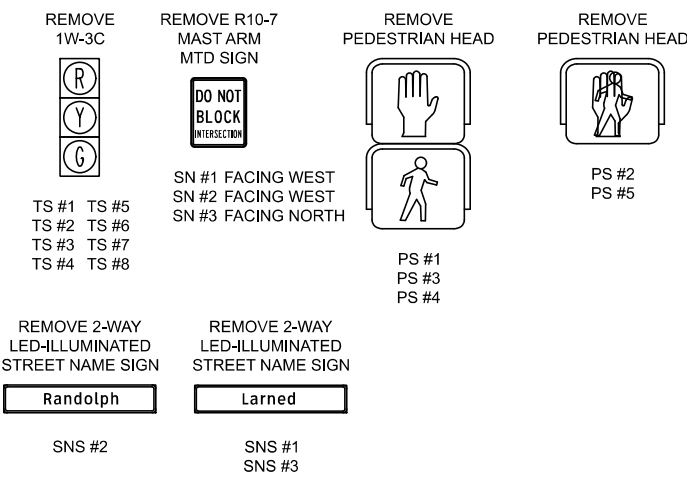
| LIST OF MATERIAL | | |
|------------------|---|------------|
| NO. | ITEM | QUANTITIES |
| * 0 | Conduit, Rem | 730 Ft |
| 1 | Sign, Type III, Rem | 3 Ea |
| * 2 | Hh, Abandon | 6 Ea |
| * 3 | Hh, Rem | 6 Ea |
| 4 | Pedestal, Underground Serv, Rem | 1 Ea |
| 5 | Light Std Arm, Rem | 2 Ea |
| 6 | Luminaire, Rem | 2 Ea |
| 7 | Controller and Cabinet, Rem | 1 Ea |
| 8 | Controller Fdn, Rem | 1 Ea |
| 9 | Fdn, Rem | 4 Ea |
| 10 | Pedestal Fdn, Rem | 3 Ea |
| 11 | Pedestal, Rem | 2 Ea |
| 12 | TS, Mast Arm Mtd, Rem | 8 Ea |
| 13 | TS, Pedestrian, Bracket Arm Mtd, Rem | 3 Ea |
| 14 | TS, Pedestrian, Pedestal Mtd, Rem | 2 Ea |
| 15 | Enclosure, Rem | 1 Ea |
| 16 | Mast Arm, Rem | 4 Ea |
| 17 | Mast Arm Std, Rem | 4 Ea |
| 18 | St Name Sign, Two Way, Illuminated, Rem | 3 Ea |

- NOTE:
- CONTACT KIRIT PATEL OF TRAFFIC ENGINEERING, DPW AT (313)-628-5641 OR EMAIL AT PATELKI@DETROITMI.GOV, 48 HOURS PRIOR TO REMOVAL OF TRAFFIC SIGNAL EQUIPMENT.
 - FOR ALL SIGN TRANSFERS, PLEASE CONTACT SIGN SHOP MANAGER TRAFFIC ENGINEERING, DPW AT (313) 628-4246, 72 HOURS PRIOR TO REMOVING ANY POLE, TO TRANSFER THE EXISTING SIGNS.
 - CONTACT THE SYSTEM OPERATOR OF DTE AT (800) 477-4747 FOR ELECTRICAL SERVICE CONNECT/DISCONNECTION.
 - ALL REMOVED MATERIALS WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR FOR DISPOSAL.
 - ALL FOUNDATIONS THAT ARE TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO SHOW THE ENGINEER THAT THE FOUNDATIONS HAVE BEEN COMPLETELY REMOVED PRIOR TO SURFACE GRADE RESTORATION/FINISHING.
 - RESTORATION OF CONCRETE UNDER FOUNDATIONS BEING REMOVED WILL BE PAID FOR USING THE PAY ITEM 'Sidewalk, Conc, 4 inch'. SEE THE CONSTRUCTION AND DETAIL GRADING PLAN SHEETS FOR QUANTITIES AND GRADING DETAILS AT FOUNDATION REMOVAL LOCATIONS.
 - * THE CONTRACTOR WILL IDENTIFY ALL TRAFFIC SIGNAL HANDHOLES AND CONDUIT; EACH HANDHOLE WILL BE INSPECTED TO IDENTIFY AND MARK ALL CABLING WITHIN EACH HANDHOLE. ALL HANDHOLES THAT CONTAIN ONLY TRAFFIC SIGNAL CABLING WILL BE REMOVED AND PAID FOR AS 'Hh, Rem' AND 'Conduit, Rem', IF HANDHOLES CONTAINS CABLING FOR INFRASTRUCTURE OTHER THAN TRAFFIC SIGNALS, THAT HANDHOLE AND CONDUIT SHALL BE ABANDONED AND PAID FOR AS 'Hh, Abandon'.

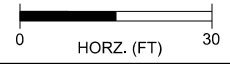
NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN, ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE DISCONNECT. CONTACT DTE ENERGY FOR DISCONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD DTE WORK ORDER#: TBD

NOTE: REMOVAL OF THE EXISTING TRAFFIC SIGNAL WILL BE COORDINATED WITH CONSTRUCTION AND MAINTENANCE OF TRAFFIC STAGING. TIME OF REMOVAL TO BE AS DIRECTED BY THE ENGINEER.



| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
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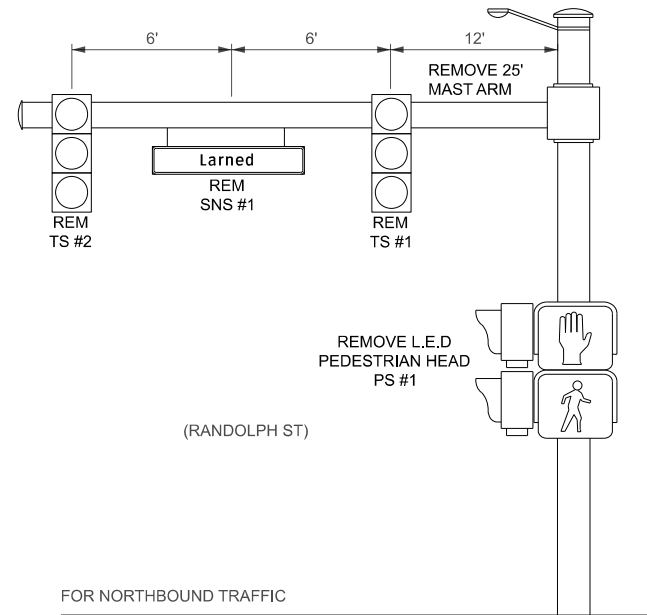
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DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_8213201001_SIG001.dgn

CS:
JN: PW-7058

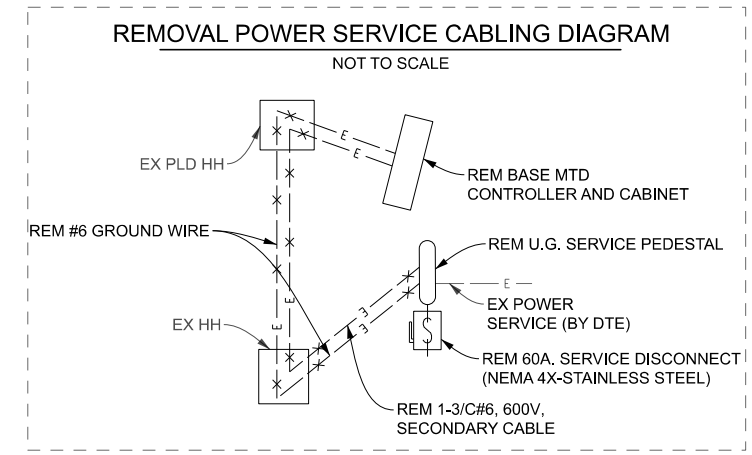
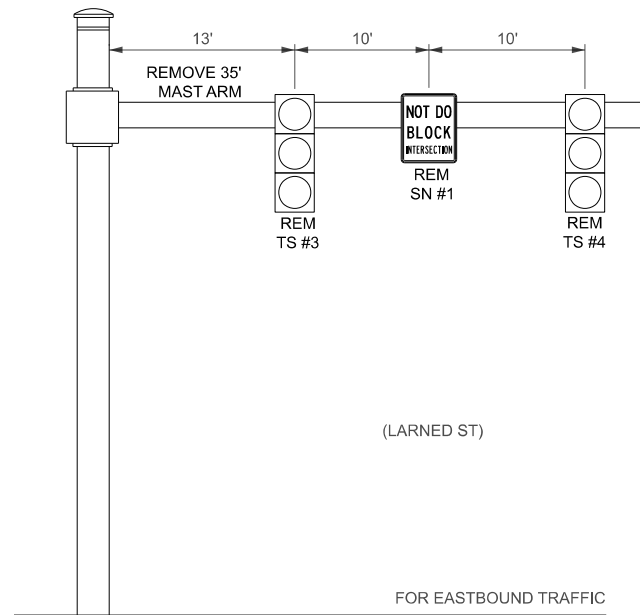
TRAFFIC SIGNAL SHEET - REMOVAL
RANDOLPH ST AT LARNED ST
CITY OF DETROIT, WAYNE COUNTY

DRAWING SHEET
RAND SIG 001
SECT 1

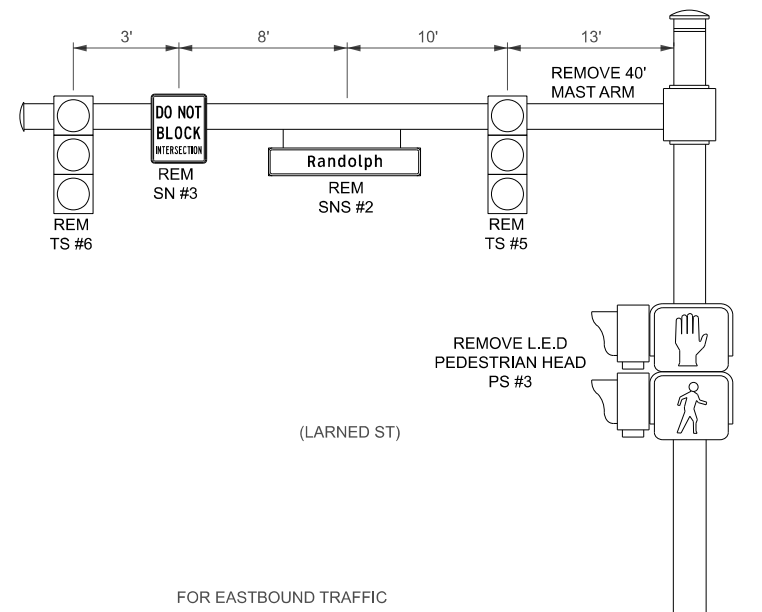
NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE



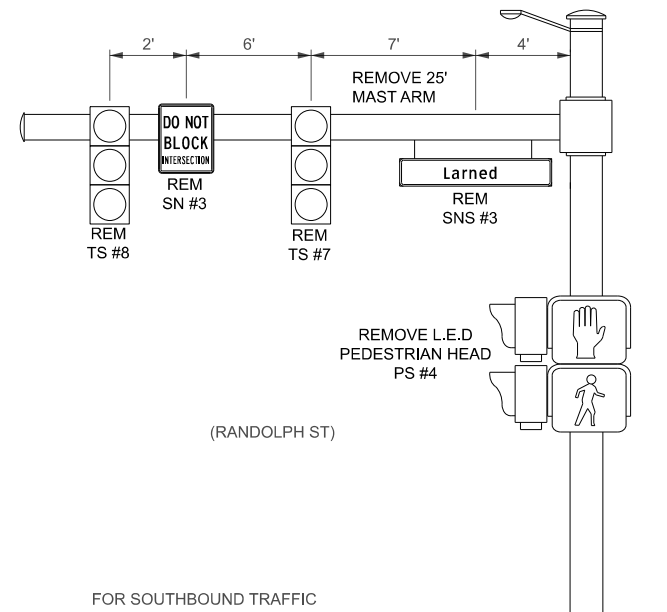
NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE



SOUTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE



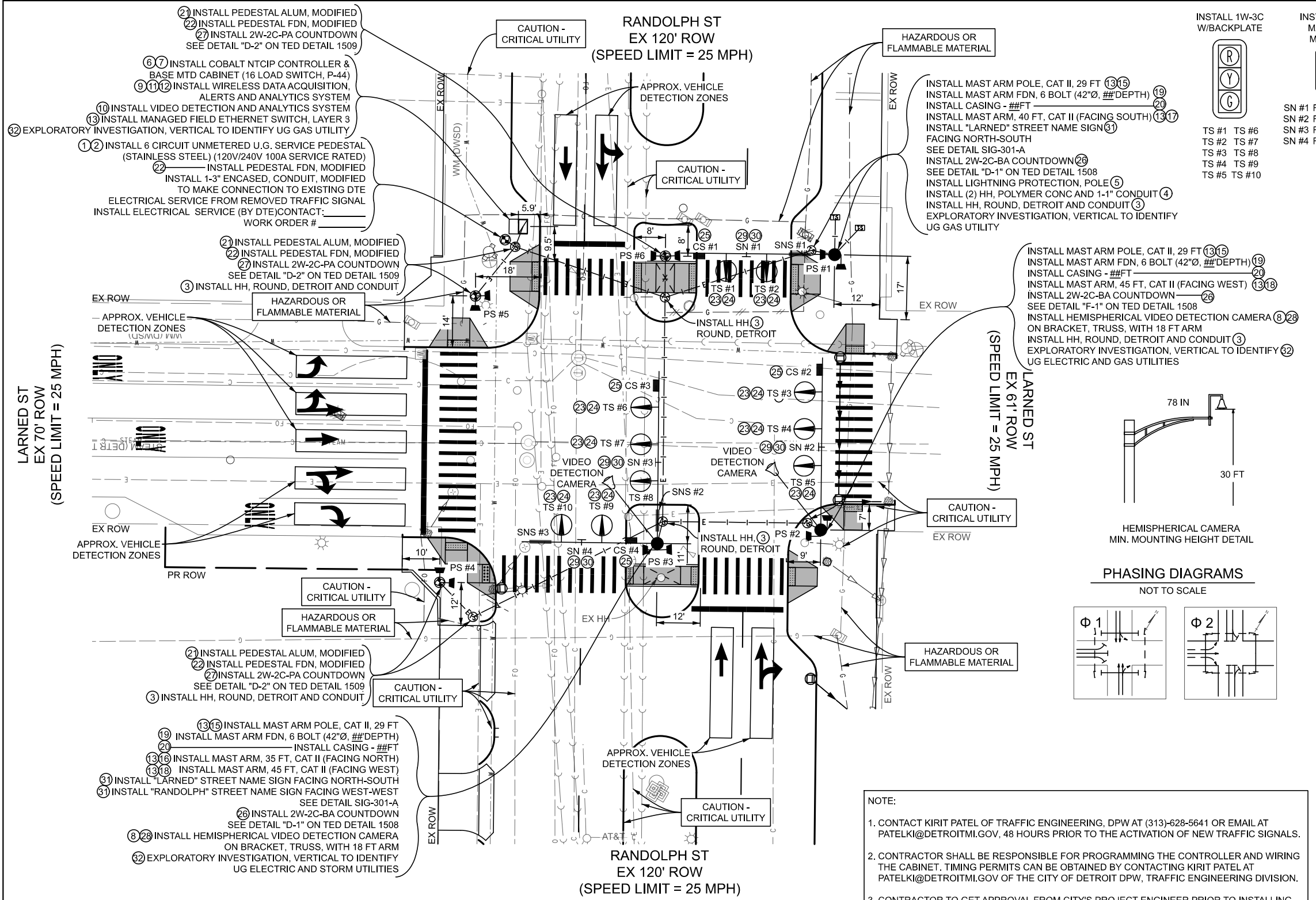
SOUTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE



REMOVAL CABLING DIAGRAM
NOT TO SCALE

NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN, ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | | | | | DATE: 03/15/24 DESIGN UNIT: DETROIT TSC: | CS: JN: PW-7058 | TRAFFIC SIGNAL SHEET - REMOVAL | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|--|--|--------------------------------------|--|-------------------------------|--------------------------------|--------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | RAND SIG 002 | SECT 1 |
| | | | | | | | | | | FILE: DETR0062_8213201001_SIG001.dgn | | RANDOLPH ST AT LARNED ST | | |
| | | | | | | | | | | | | CITY OF DETROIT, WAYNE COUNTY | | |



LIST OF MATERIAL

| NO. | ITEM | QUANTITIES |
|-----|--|------------|
| 1 | Pedestal, Underground Serv, Unmetered | 1 Ea |
| 2 | Serv Disconnect | 2 Ea |
| 3 | Hh, Round, Detroit | 6 Ea |
| 4 | Hh, Polymer Conc | 2 Ea |
| 5 | Lightning Protection, Pole | 1 Ea |
| 6 | Contoller and Cabinet, Digital Type, ITS | 1 Ea |
| 7 | Contoller Fdn, Base Mtd | 1 Ea |
| 8 | Video Capture and Streaming System | 2 Ea |
| 9 | Cellular Data Streaming for 2 hours per month and for 3 Year | 1 Ea |
| 10 | Video Detection and Analytics System | 1 Ea |
| 11 | Wireless Data Acquisition, Alerts and Analytics System | 1 Ea |
| 12 | Cellular Data Service for 3 Years | 1 Ea |
| 13 | Managed Field Ethernet Switch, Layer 3 | 1 Ea |
| 14 | Coating Galvanized Support Structures | 7 Ea |
| 15 | Mast Arm Pole, Cat II | 3 Ea |
| 16 | Mast Arm, 35 foot, Cat II | 1 Ea |
| 17 | Mast Arm, 40 foot, Cat II | 1 Ea |
| 18 | Mast Arm, 45 foot, Cat II | 2 Ea |
| 19 | Mast Arm Pole Fdn, 6 Bolt | ## Ft |
| 20 | Casing | ## Ft |
| 21 | Pedestal Alum, Modified | 3 Ea |
| 22 | Pedestal Fdn, Modified | 4 Ea |
| 23 | TS, One Way Mast Arm Mtd (LED), Long Life | 10 Ea |
| 24 | Backplate, TS, Detroit | 10 Ea |
| 25 | Case Sign, Two Way, 24 inch by 30 inch, Non-Illuminated | 4 Ea |
| 26 | TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown | 3 Ea |
| 27 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 3 Ea |
| 28 | Bracket, Truss, with 18 foot Arm | 2 Ea |
| 29 | Sign, Type IIIB | 20 Sft |
| 30 | Band, Sign | 8 Ea |
| 31 | St Name Sign, Two Way, LED, 6 foot | 3 Ea |
| 32 | Exploratory Investigation, Vertical | 150 Ft |
| ○ | Conduit, Encased, 1, 3 inch, modified | 70 Ft |
| ○ | Conduit, Encased, 2, 3 inch, modified | 35 Ft |
| ○ | Conduit, Encased, 2, 4 inch, modified | 290 Ft |
| ○ | Conduit, Encased, 3, 4 inch, modified | 15 Ft |
| ○ | Conduit, DB, 1, 1 inch | 20 Ft |
| ○ | Cable, Sec, 600V, 1, 3/C#6 | 140 Ft |
| ○ | Power Company (Estimated Cost to Contractor) | ## Dlr |

STREET NAME SIGNS

| | |
|---------------|--------------|
| OPENINGS: | 6 |
| CYCLIC WATTS: | 0 |
| STEADY WATTS: | 288 |
| SIGNALS | |
| OPENINGS: | 43 |
| CYCLIC WATTS: | 562 |
| STEADY WATTS: | 121 |
| PLAN: | 82132-01-001 |

CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE CONNECTION. CONTACT DTE ENERGY FOR CONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD DTE WORK ORDER#: TBD

CONDUITS

UNLESS OTHERWISE NOTED: ALL NEW CONDUITS FROM

| | | |
|---------------------|--------------------------|------|
| H.H.'s or M.H.'s | TO PEDESTALS | 1-3" |
| | TO STEEL POLES | 2-3" |
| | TO CABLE POLES | 2-3" |
| | TO MAST ARM STA'S | 2-3" |
| | TO BASE MTD. CONTROLLERS | 3-4" |
| | TO POLE MTD. CONTROLLERS | 2-4" |
| | TO H.H.'s | 2-4" |
| M.H. OR TYPE-S H.H. | TO M.H. OR TYPE-S H.H. | 2-4" |

INSTALL FOUNDATION COORDINATE TABLE

| ITEMS | QUADRANT | NORTHING | EASTING | TOP OF FDN |
|------------------|--------------|------------|--------------|------------|
| CONTROLLER | NW | 305523.44' | 13481310.52' | 598.95 |
| UG SERV PEDESTAL | NW | 305518.53' | 13481309.33' | 598.82 |
| PEDESTAL | NW | 305501.28' | 13481310.48' | 598.82 |
| PEDESTAL | SW | 305429.97' | 13481343.05' | 598.92 |
| MAST ARM POLE | SOUTH MEDIAN | 305469.95' | 13481387.80' | 599.13 |
| MAST ARM POLE | SE | 305496.39' | 13481423.64' | 599.23 |
| MAST ARM POLE | NE | 305562.00' | 13481387.61' | 599.03 |
| PEDESTAL | NORTH MEDIAN | 305537.56 | 13481348.70' | 598.82 |

NOTE:

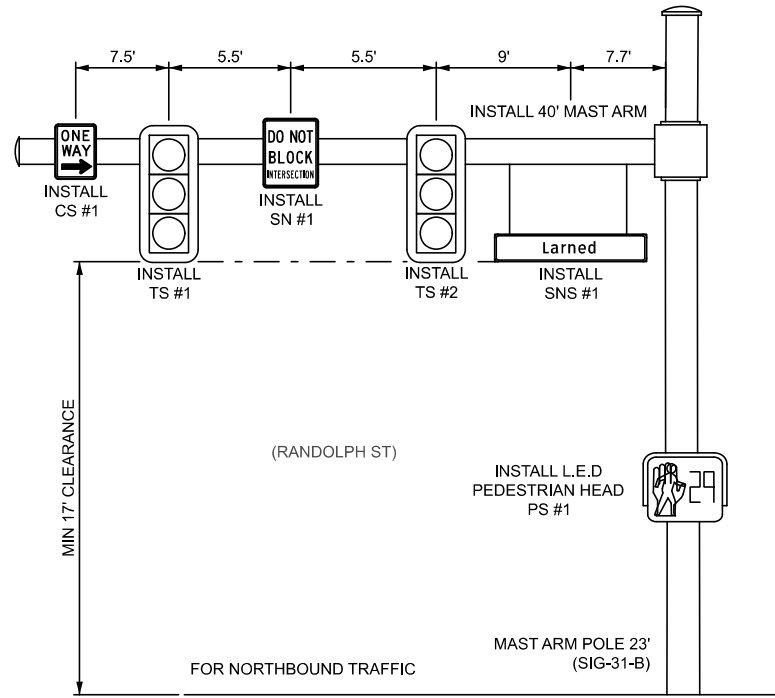
- CONTACT KIRIT PATEL OF TRAFFIC ENGINEERING, DPW AT (313)-628-5641 OR EMAIL AT PATELKI@DETROITMI.GOV, 48 HOURS PRIOR TO THE ACTIVATION OF NEW TRAFFIC SIGNALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE CONTROLLER AND WIRING THE CABINET. TIMING PERMITS CAN BE OBTAINED BY CONTACTING KIRIT PATEL AT PATELKI@DETROITMI.GOV OF THE CITY OF DETROIT DPW, TRAFFIC ENGINEERING DIVISION.
- CONTRACTOR TO GET APPROVAL FROM CITY'S PROJECT ENGINEER PRIOR TO INSTALLING THE PAY ITEM 'Casing' AT ANY LOCATION.
- BRACKET ARM SHOULD BE MOUNTED TO ACHIEVE AT LEAST 30 FOOT ELEVATION HEIGHT FOR THE CAMERA EQUIPMENT.
- MAST ARMS MUST BE MOUNTED TO ACHIEVE 17 FOOT MINIMUM CLEARANCE. MAST ARM CAT II TYPICAL GOVERN (MDOT SIG-031-B).
- SEE SIGNING SHEETS FOR INSTRUCTIONS REGARDING UPGRADES TO EXISTING SIGNING.
- SEE CORRESPONDING TRAFFIC SIGNAL DETAIL SHEET(S) FOR EQUIPMENT PLACEMENT DIMENSIONS.
- WHERE CALLED FOR, THE CONTRACTOR SHALL PERFORM 'Exploratory Investigation, Vertical' TO IDENTIFY THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATION AND DEPTHS OF IDENTIFIED UTILITIES, ALL CONSTRUCTION CONFLICTS, AND RELOCATE EQUIPMENT AS APPROVED BY THE ENGINEER.

FINAL ROW PLAN REVISIONS

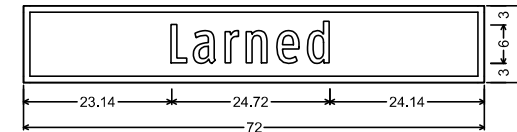
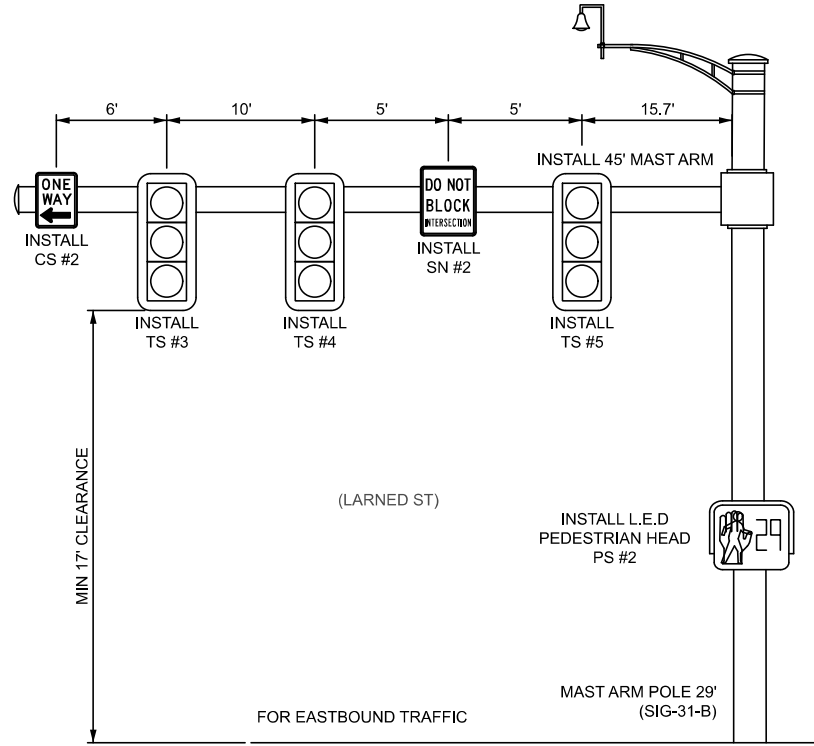
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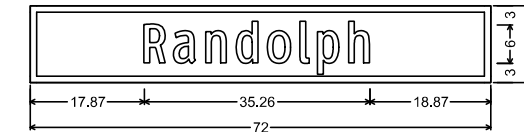
NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE



SOUTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE



1.01" Radius, 1.00" Border, White on Green; "Larned", ClearviewHwy-2-W;



1.01" Radius, 1.00" Border, White on Green; "Randolph", ClearviewHwy-2-W;

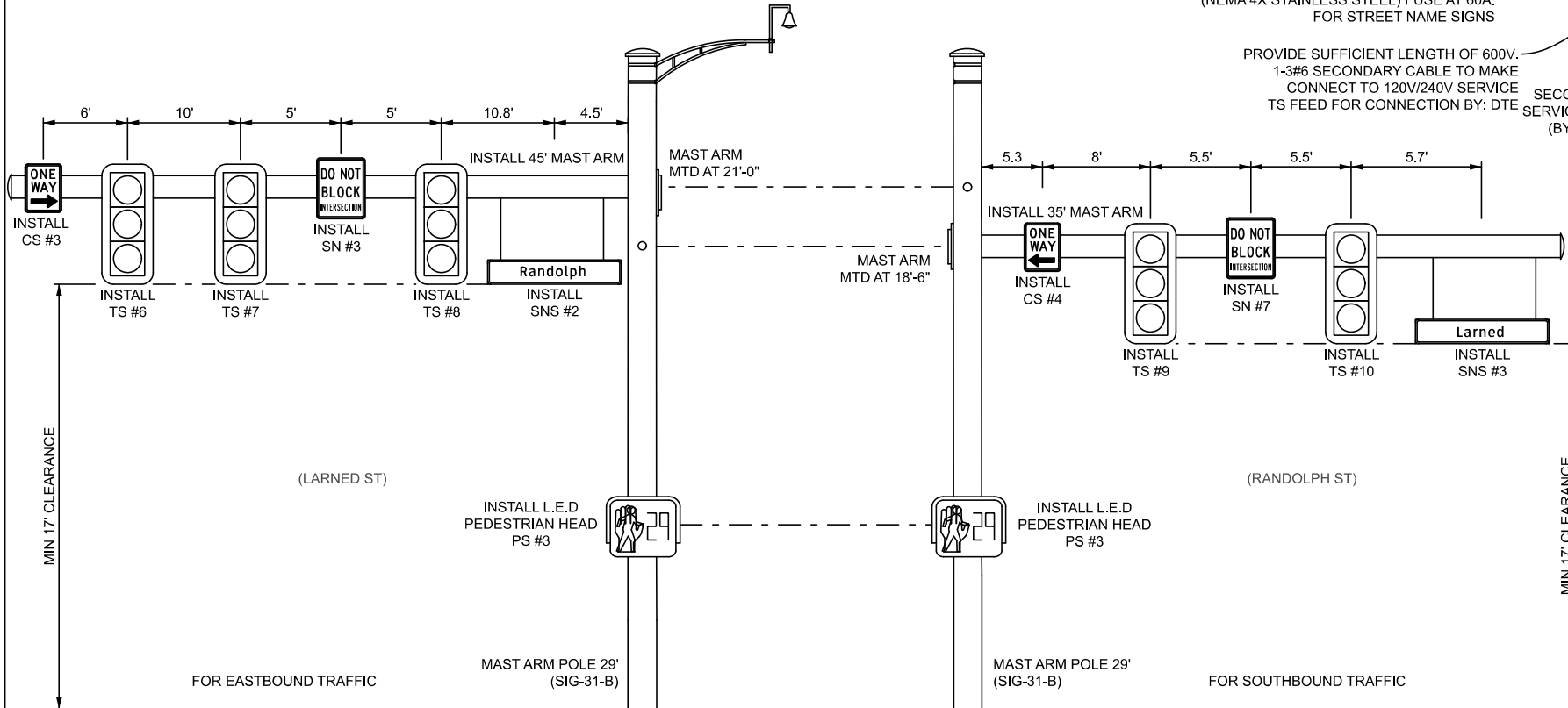
STREET NAME SIGN, TWO WAY, LED, 6 FOOT SPECIAL DETAILS

CABLES TO BE USED UNLESS SPECIFIED OTHERWISE

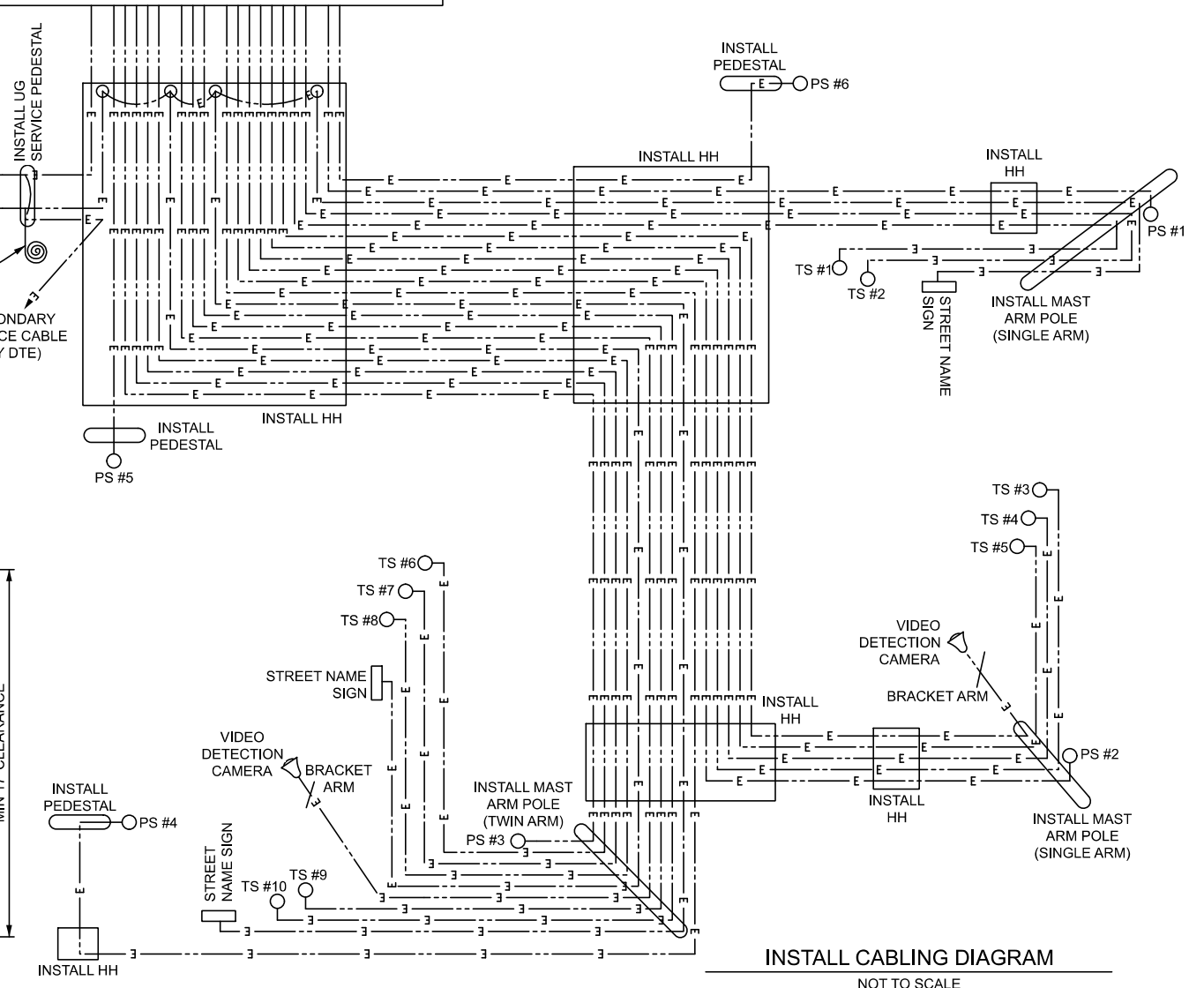
1. 1W-3C TRAFFIC SIGNAL CABLES ARE 5/C#16 PJ.
2. 1W-4C TRAFFIC SIGNAL CABLES ARE 7/C#16 PJ.
3. PEDESTRIAN SIGNALS CABLES ARE 7/C#16 PJ.
4. CABLE TO VIDEO CAMERAS TO BE SHIELDED 600V CAT 5e OR APPROVED EQUAL.
5. TWO-WAY LED-ILLUMINATED STREET NAME SIGNS ARE 4/C#14 PJ.
6. LED CASE SIGN CABLES ARE 7/C#16 PJ.
7. LIGHTNING PROTECTION IS LPI CLASS II COPPER DOWN CONDUIT TO HANDHOLE.
8. ELECTRICAL SERVICE CABLES ARE 3/C#6 PJ WITH #6 GROUND.

INSTALL NTPIC TS CONTROLLER (ECONOLITE COBALT) (16 LS, P-44) BASE MTC CABINET
 VIDEO CAPTURE AND STREAMING SYSTEM
 VIDEO DETECTION AND ANALYTICS SYSTEM
 WIRELESS DATA ACQUISITION, ALERTS AND ANALYTICS SYSTEM
 MANAGED FIELD ETHERNET SWITCH, LAYER 3

SOUTH MEDIAN MAST ARM POLE - NOT TO SCALE



60A. SERVICE DISCONNECT (NEMA 4X STAINLESS STEEL) FUSE AT 60A. FOR MAST ARM SIGNAL
 60A. SERVICE DISCONNECT (NEMA 4X STAINLESS STEEL) FUSE AT 60A. FOR STREET NAME SIGNS
 PROVIDE SUFFICIENT LENGTH OF 600V. 1-3#6 SECONDARY CABLE TO MAKE CONNECTION TO 120V/240V SERVICE TS FEED FOR CONNECTION BY: DTE
 SECONDARY SERVICE CABLE (BY DTE)



INSTALL CABLING DIAGRAM NOT TO SCALE

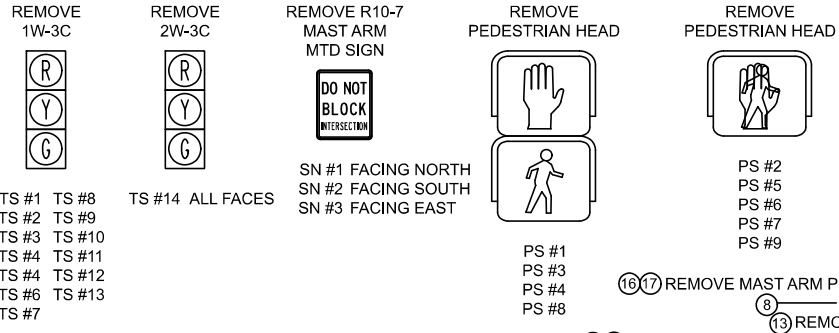
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
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DATE: 03/15/24
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 FILE: DETR0062_8213201001_SIG002.dgn

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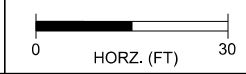
| TRAFFIC SIGNAL SHEET - CONSTRUCTION | | DRAWING | SHEET |
|-------------------------------------|--|--------------|--------|
| RANDOLPH ST AT LARNED ST | | RAND SIG 004 | SECT 1 |
| CITY OF DETROIT, WAYNE COUNTY | | | |



- NOTE:
- CONTACT KIRIT PATEL OF TRAFFIC ENGINEERING, DPW AT (313)-628-5641 OR EMAIL AT PATELKI@DETROITMI.GOV, 48 HOURS PRIOR TO REMOVAL OF TRAFFIC SIGNAL EQUIPMENT.
 - FOR ALL SIGN TRANSFERS, PLEASE CONTACT SIGN SHOP MANAGER TRAFFIC ENGINEERING, DPW AT (313) 628-4246, 72 HOURS PRIOR TO REMOVING ANY POLE, TO TRANSFER THE EXISTING SIGNS.
 - CONTACT THE SYSTEM OPERATOR OF DTE AT (800) 477-4747 FOR ELECTRICAL SERVICE CONNECT/DISCONNECTION.
 - ALL REMOVED MATERIALS WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR FOR DISPOSAL.
 - ALL FOUNDATIONS THAT ARE TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO SHOW THE ENGINEER THAT THE FOUNDATIONS HAVE BEEN COMPLETELY REMOVED PRIOR TO SURFACE GRADE RESTORATION/FINISHING.
 - RESTORATION OF CONCRETE UNDER FOUNDATIONS BEING REMOVED WILL BE PAID FOR USING THE PAY ITEM 'Sidewalk, Conc, 4 Inch'. SEE THE CONSTRUCTION AND DETAIL GRADING PLAN SHEETS FOR QUANTITIES AND GRADING DETAILS AT FOUNDATION REMOVAL LOCATIONS.
 - THE CONTRACTOR WILL IDENTIFY ALL TRAFFIC SIGNAL HANDHOLES AND CONDUIT; EACH HANDHOLE WILL BE INSPECTED TO IDENTIFY AND MARK ALL CABLING WITHIN EACH HANDHOLE. ALL HANDHOLES THAT CONTAIN ONLY TRAFFIC SIGNAL CABLING WILL BE REMOVED AND PAID FOR AS 'Hh, Rem' AND 'Conduit, Rem', IF HANDHOLES CONTAINS CABLING FOR INFRASTRUCTURE OTHER THAN TRAFFIC SIGNALS, THAT HANDHOLE AND CONDUIT SHALL BE ABANDONED AND PAID FOR AS 'Hh, Abandon'.

| NO. | ITEM | QUANTITIES |
|-----|--------------------------------------|------------|
| * 0 | Conduit, Rem | 1,195 Ft |
| 1 | Sign, Type III, Rem | 3 Ea |
| * 2 | Hh, Abandon | 16 Ea |
| * 3 | Hh, Rem | 16 Ea |
| 4 | Light Std Arm, Rem | 2 Ea |
| 5 | Luminaire, Rem | 2 Ea |
| 6 | Controller and Cabinet, Rem | 1 Ea |
| 7 | Controller Fdn, Rem | 1 Ea |
| 8 | Fdn, Rem | 6 Ea |
| 9 | Pedestal Fdn, Rem | 7 Ea |
| 10 | Pedestal, Rem | 6 Ea |
| 11 | Pedestal, Underground Serv, Rem | 1 Ea |
| 12 | TS, Mast Arm Mtd, Rem | 14 Ea |
| 13 | TS, Pedestrian, Bracket Arm Mtd, Rem | 4 Ea |
| 14 | TS, Pedestrian, Pedestal Mtd, Rem | 6 Ea |
| 15 | Enclosure, Rem | 1 Ea |
| 16 | Mast Arm, Rem | 9 Ea |
| 17 | Mast Arm Std, Rem | 6 Ea |

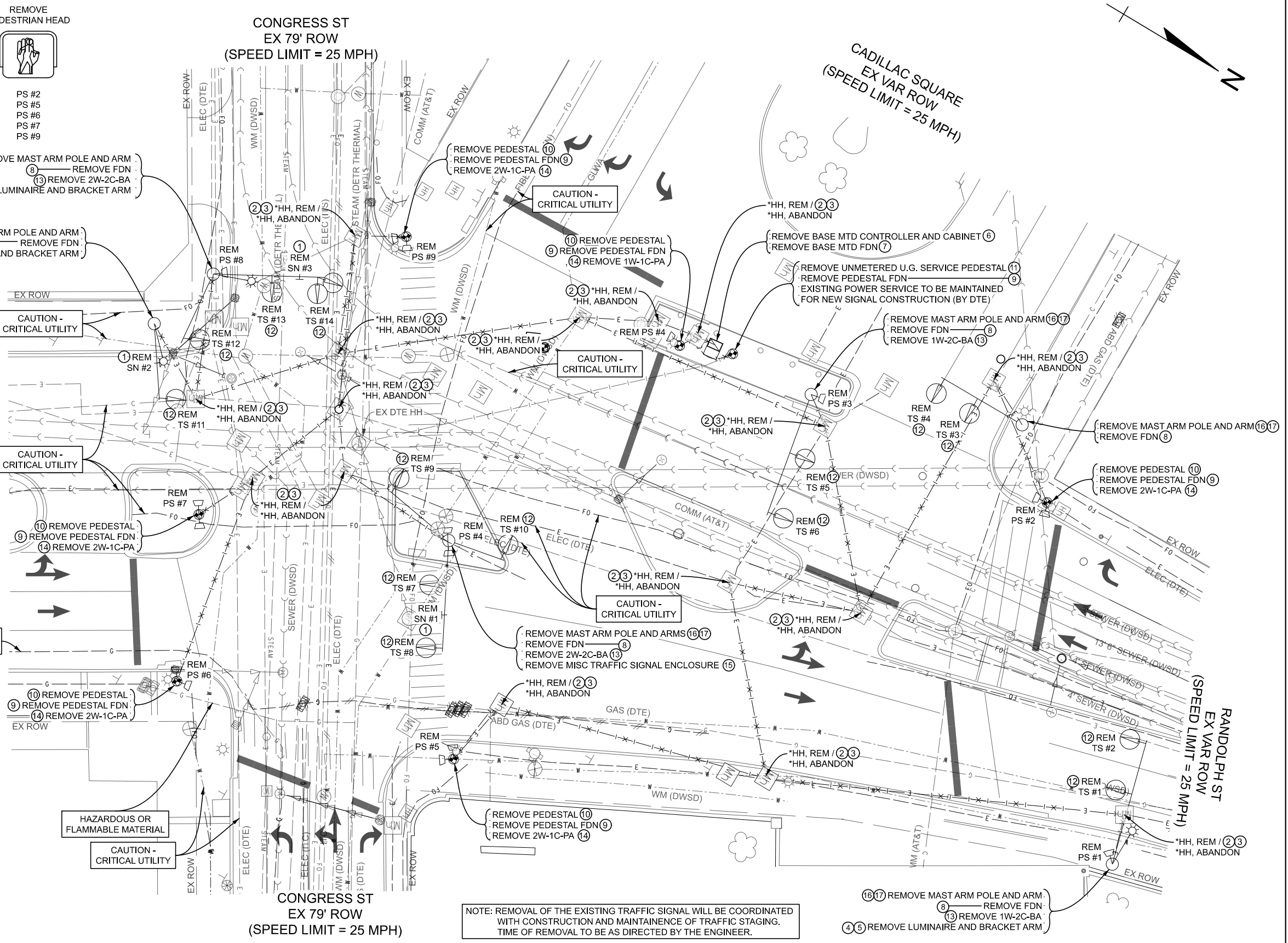
| FINAL ROW PLAN REVISIONS | | SUBMITTAL DATE: | |
|--------------------------|------|-----------------|-------------|
| NO. | DATE | AUTH | DESCRIPTION |
| | | | |
| | | | |



DATE: 03/15/24
 DESIGN UNIT: DETROIT
 TSC:

CS:
 JN: PW-7058

TRAFFIC SIGNAL SHEET - REMOVAL
 RANDOLPH ST AT CONGRESS ST/CADILLAC SQ
 CITY OF DETROIT, WAYNE COUNTY
 RAND SIG 005
 SECT 1

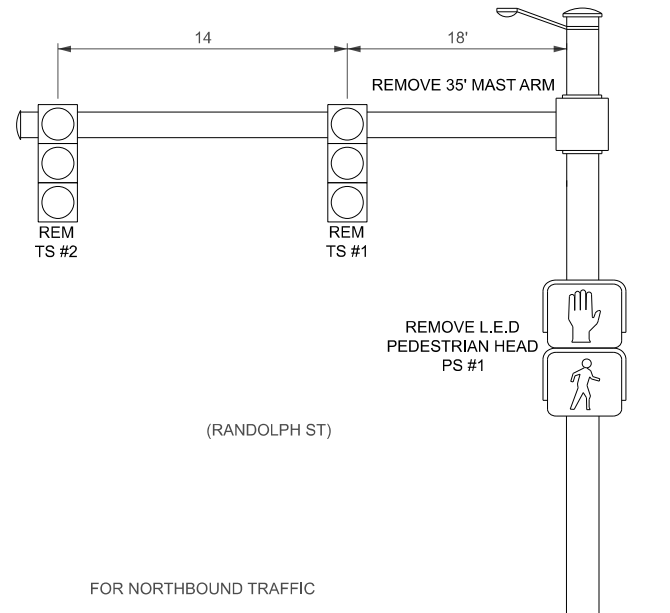


NOTE: REMOVAL OF THE EXISTING TRAFFIC SIGNAL WILL BE COORDINATED WITH CONSTRUCTION AND MAINTENANCE OF TRAFFIC STAGING. TIME OF REMOVAL TO BE AS DIRECTED BY THE ENGINEER.

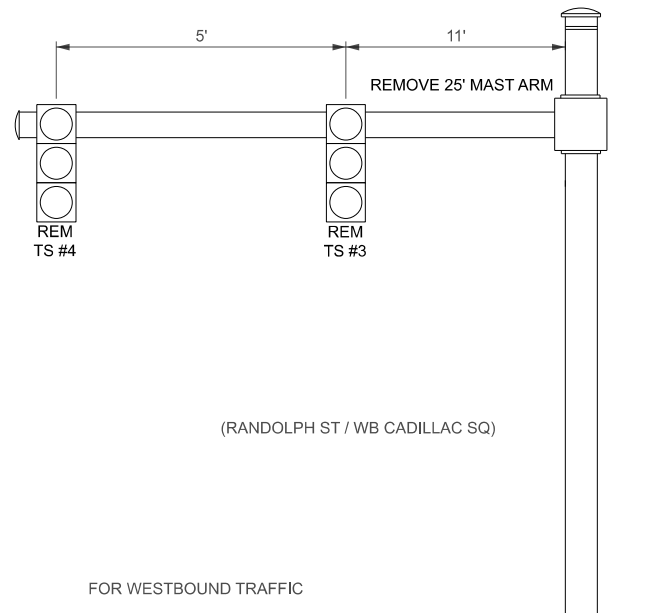
CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE DISCONNECT. CONTACT DTE ENERGY FOR DISCONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD
 DTE WORK ORDER#: TBD

NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN. ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

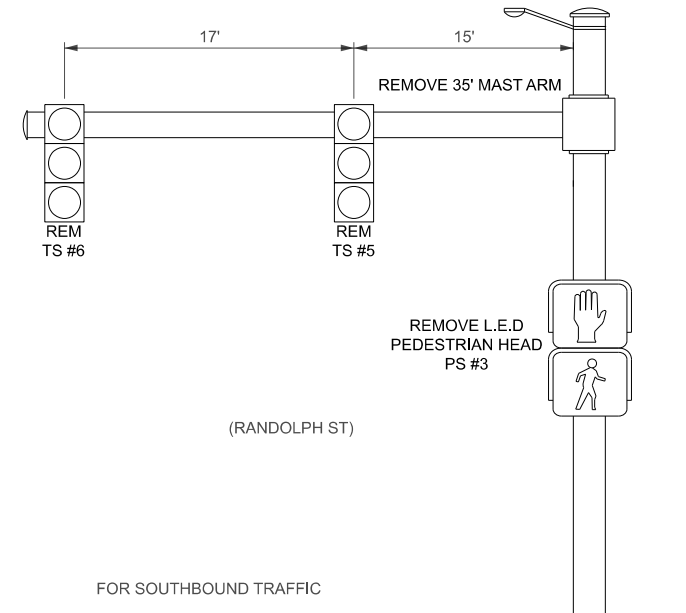
RANDOLPH STREET AND WESTBOUND CADILLAC SQUARE
NORTHEAST QUADRANT MAST ARM POLE
NOT TO SCALE



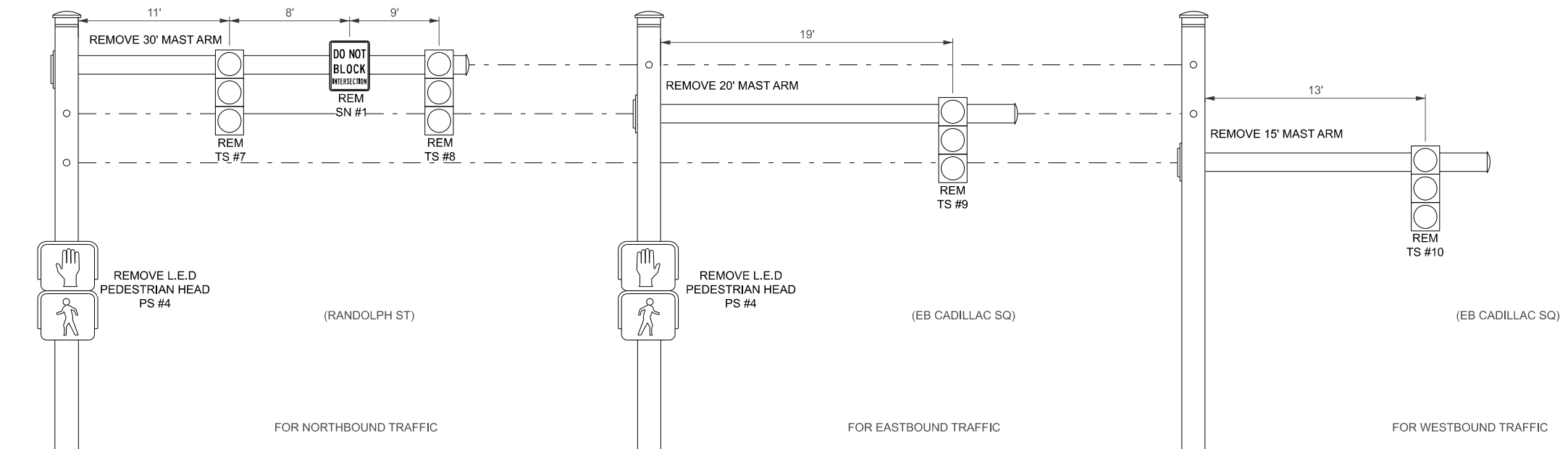
RANDOLPH STREET AND WESTBOUND CADILLAC SQUARE
NORTHWEST QUADRANT MAST ARM POLE
NOT TO SCALE



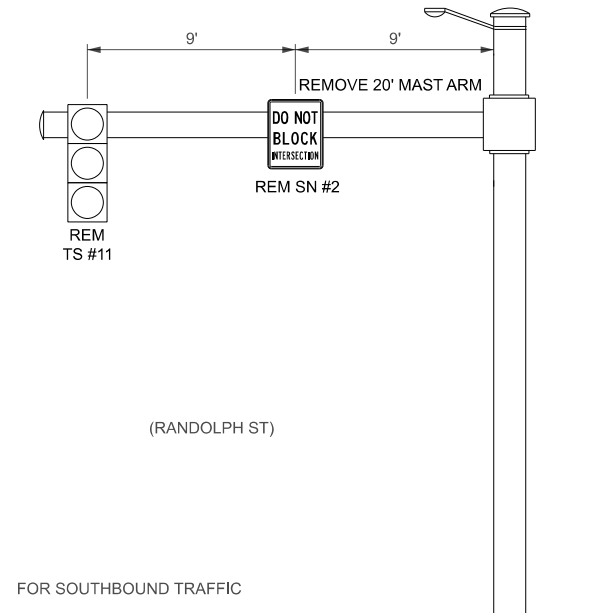
RANDOLPH STREET AND WESTBOUND CADILLAC SQUARE
SOUTHWEST QUADRANT MAST ARM POLE
NOT TO SCALE



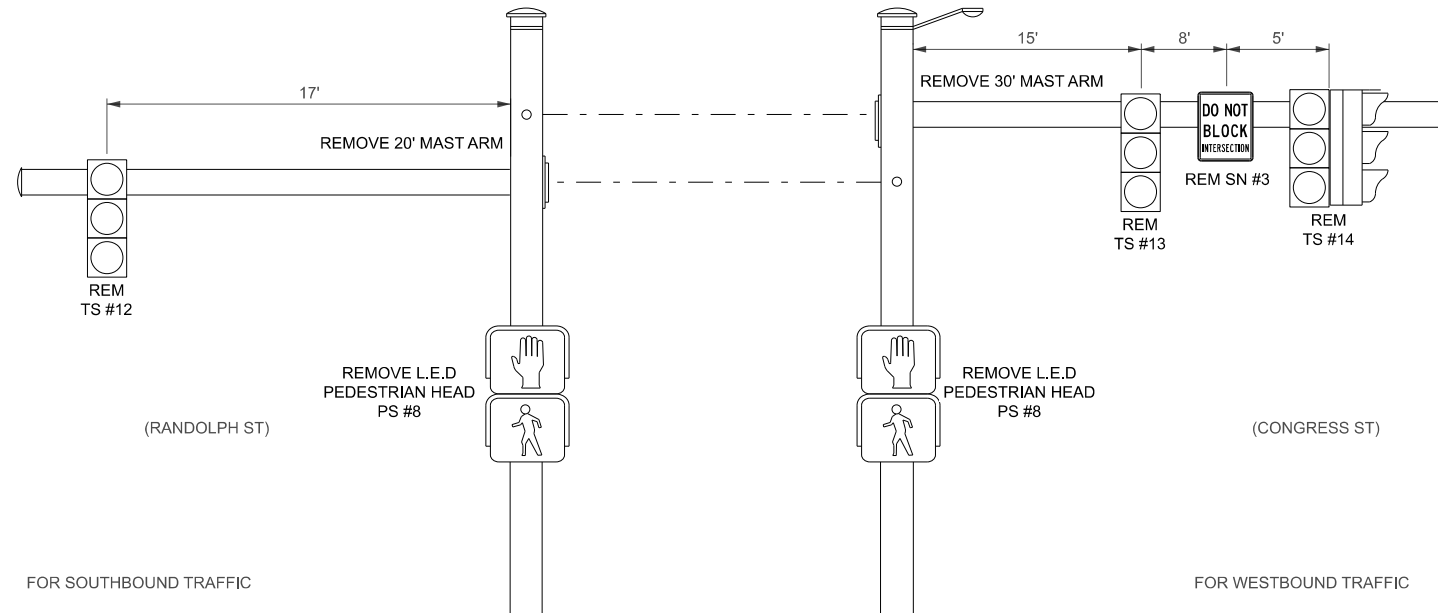
RANDOLPH STREET AND E CONGRESS STREET -MAST ARM POLE -NOT TO SCALE






RANDOLPH STREET AND E CONGRESS STREET
SOUTHWEST QUADRANT MAST ARM
NOT TO SCALE

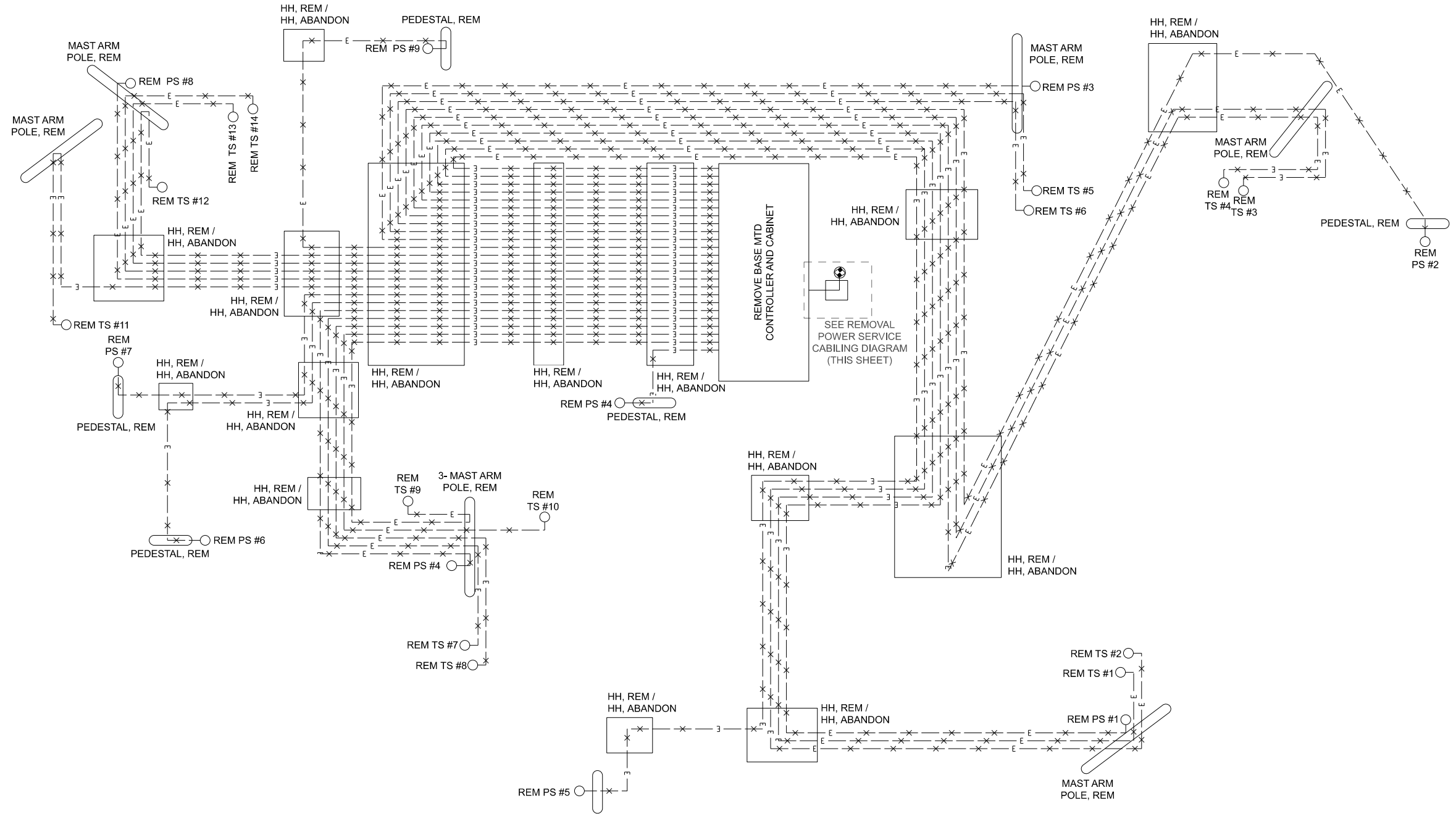
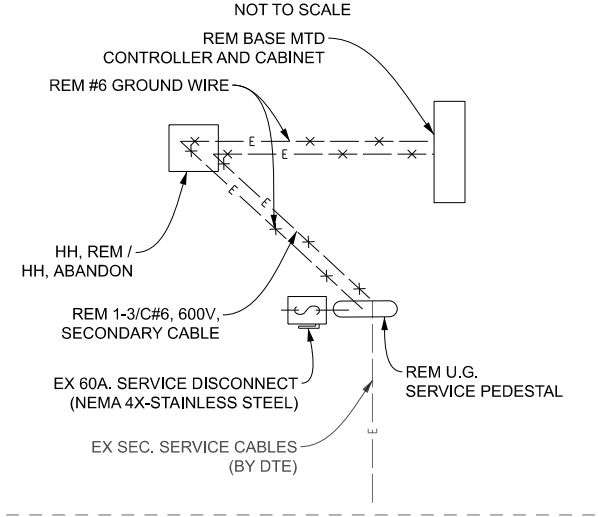


NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE





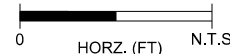
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|--------------------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|----------------------|-------------------------------|--------------------------------|--------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | RAND SIG 007 | SECT 1 |
| | | | | | | | | | | | | | | |
| FILE: DETR0062_8207201002_SIG001.dgn | | | | | | | | | | | TSC: | CITY OF DETROIT, WAYNE COUNTY | | |

REMOVAL POWER SERVICE CABLING DIAGRAM



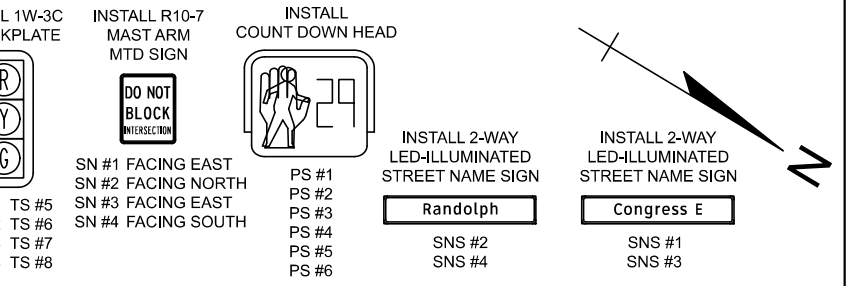
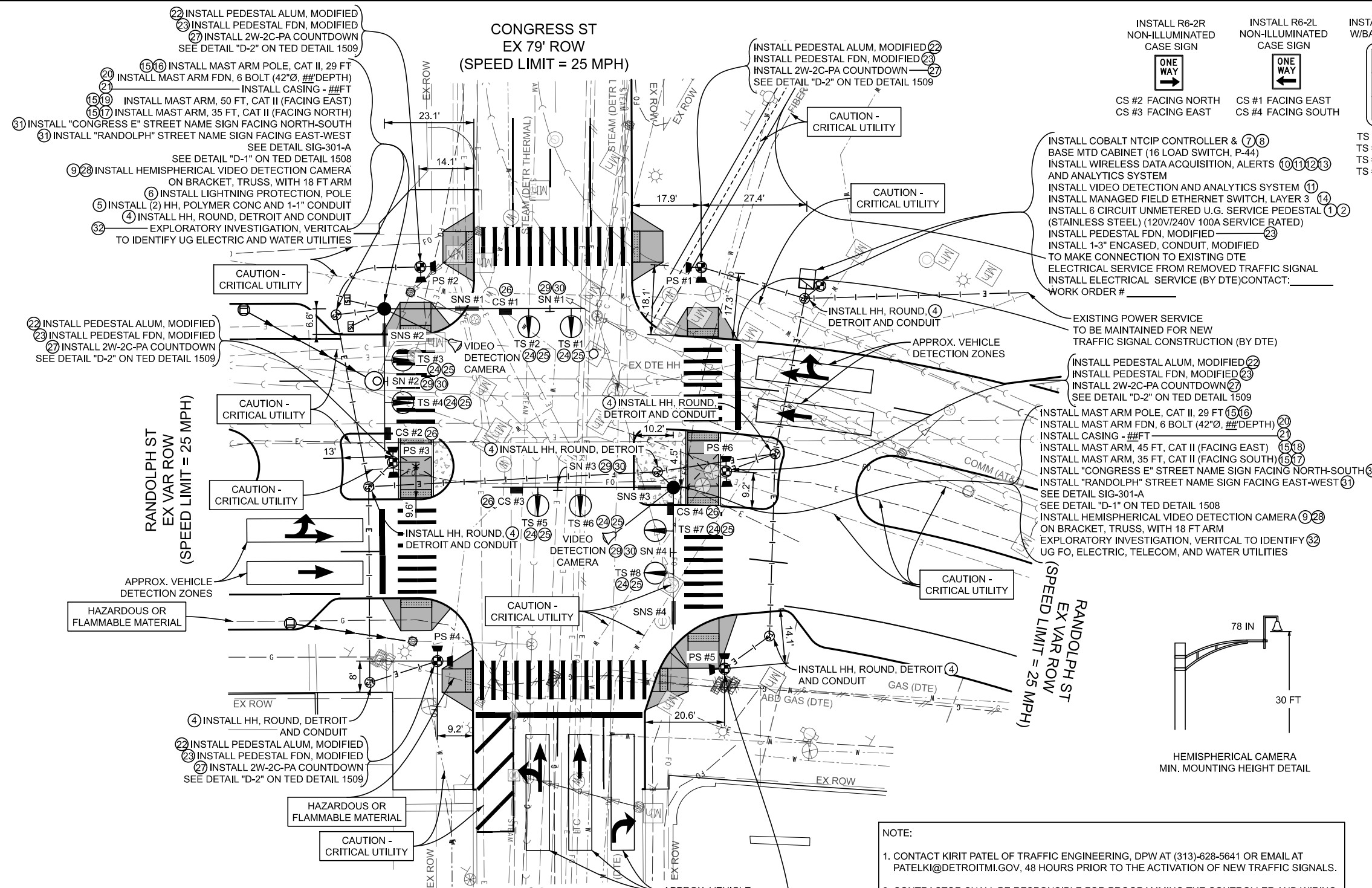
REMOVAL CABLING DIAGRAM
NOT TO SCALE

NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN. ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 DESIGN UNIT: DETROIT TSC: | CS: JN: PW-7058 | TRAFFIC SIGNAL SHEET - REMOVAL | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|--|--------------------|--------------------------------|---------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | RAND SIG 008 | SHEET 1 |
| | | | | | | | | | | | | | | |

FILE: DETR0062_8207201002_SIG001.dgn

RANDOLPH ST AT CONGRESS ST/CADILLAC SQ
CITY OF DETROIT, WAYNE COUNTY

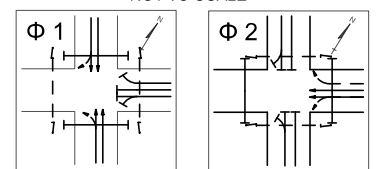


| LIST OF MATERIAL | | |
|------------------|--|------------|
| NO. | ITEM | QUANTITIES |
| 1 | Pedestal, Underground Serv, Unmetered | 1 Ea |
| 2 | Serv Disconnect | 2 Ea |
| 4 | Hh, Round, Detroit | 7 Ea |
| 5 | Hh, Polymer Conc | 2 Ea |
| 6 | Lightning Protection, Pole | 1 Ea |
| 7 | Controller and Cabinet, Digital Type, ITS | 1 Ea |
| 8 | Controller Fdn, Base Mtd | 1 Ea |
| 9 | Video Capture and Streaming System | 2 Ea |
| 10 | Cellular Data Streaming for 2 hours per month and for 3 Year | 1 Ea |
| 11 | Video Detection and Analytics System | 1 Ea |
| 12 | Wireless Data Acquisition, Alert and Analytics System | 1 Ea |
| 13 | Cellular Data Service for 3 Years | 1 Ea |
| 14 | Managed Field Ethernet Switch, Layer 3 | 1 Ea |
| 15 | Coating Galvanized Support Structures | 6 Ea |
| 16 | Mast Arm Pole, Cat II | 2 Ea |
| 17 | Mast Arm, 35 foot, Cat II | 2 Ea |
| 18 | Mast Arm, 45 foot, Cat II | 1 Ea |
| 19 | Mast Arm, 50 foot, Cat II | 1 Ea |
| 20 | Mast Arm Pole Fdn, 6 Bolt | ## Ft |
| 21 | Casing | ## Ft |
| 22 | Pedestal Alum, Modified | 6 Ea |
| 23 | Pedestal Fdn, Modified | 7 Ea |
| 24 | TS, One Way Mast Arm Mtd (LED), Long Life | 8 Ea |
| 25 | Backplate, TS, Detroit | 8 Ea |
| 26 | Case Sign, Two Way, 24 inch by 30 inch, Non-Illuminated | 4 Ea |
| 27 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 6 Ea |
| 28 | Bracket, Truss, with 18 foot Arm | 2 Ea |
| 29 | Sign, Type IIIB | 20 Sft |
| 30 | Band, Sign | 8 Ea |
| 31 | St Name Sign, Two Way, LED, 6 foot | 4 Ea |
| 32 | Exploratory Investigation, Vertical | 150 Ft |
| ○ | Conduit, Encased, 1, 3 inch, modified | 230 Ft |
| ○ | Conduit, Encased, 2, 3 inch, modified | 30 Ft |
| ○ | Conduit, Encased, 2, 4 inch, modified | 345 Ft |
| ○ | Conduit, Encased, 3, 4 inch, modified | 10 Ft |
| ○ | Conduit, DB, 1, 1 inch | 20 Ft |
| ○ | Cable, Sec, 600V, 1, 3/C#6 | 110 Ft |
| ○ | Power Company (Estimated Cost to Contractor) | ## Dlr |

INSTALL FOUNDATION COORDINATE TABLE

| ITEMS | QUADRANT | NORTHING | EASTING | TOP OF FDN |
|------------------|--------------|------------|--------------|------------|
| CONTROLLER | NW | 305804.18' | 13481131.79' | ### |
| UG SERV PEDESTAL | NW | 305807.97' | 13481131.55' | ### |
| PEDESTAL | NW | 305779.11' | 13481143.26' | ### |
| PEDESTAL | NORTH MEDIAN | 305811.76' | 13481185.24' | 597.14 |
| MAST ARM POLE | NORTH MEDIAN | 305802.20' | 13481195.80' | 597.53 |
| PEDESTAL | NE | 305837.63' | 13481229.21' | 596.92 |
| PEDESTAL | SE | 305772.92' | 13481265.68' | 596.52 |
| PEDESTAL | SOUTH MEDIAN | 305736.64' | 13481227.46' | 597.02 |
| MAST ARM POLE | SW | 305714.37' | 13481194.61' | 596.13 |
| PEDESTAL | SW | 305716.77' | 13481180.54' | 596.22 |

PHASING DIAGRAMS



NOTE:

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- CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE CONTROLLER AND WIRING THE CABINET. TIMING PERMITS CAN BE OBTAINED BY CONTACTING KIRIT PATEL AT PATELKI@DETROITMI.GOV OF THE CITY OF DETROIT DPW, TRAFFIC ENGINEERING DIVISION.
- CONTRACTOR TO GET APPROVAL FROM CITY'S PROJECT ENGINEER PRIOR TO INSTALLING THE PAY ITEM 'Casing' AT ANY LOCATION.
- BRACKET ARM SHOULD BE MOUNTED TO ACHIEVE AT LEAST 30 FOOT ELEVATION HEIGHT FOR THE CAMERA EQUIPMENT.
- MAST ARMS MUST BE MOUNTED TO ACHIEVE 17 FOOT MINIMUM CLEARANCE. MAST ARM CAT II TYPICAL GOVERN (MDOT SIG-031-B).
- SEE SIGNING SHEETS FOR INSTRUCTIONS REGARDING UPGRADES TO EXISTING SIGNING.
- SEE CORRESPONDING TRAFFIC SIGNAL DETAIL SHEET(S) FOR EQUIPMENT PLACEMENT DIMENSIONS.
- WHERE CALLED FOR, THE CONTRACTOR SHALL PERFORM 'Exploratory Investigation, Vertical' TO IDENTIFY THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATION AND DEPTHS OF IDENTIFIED UTILITIES. ALL CONSTRUCTION CONFLICTS, AND RELOCATE EQUIPMENT AS APPROVED BY THE ENGINEER.

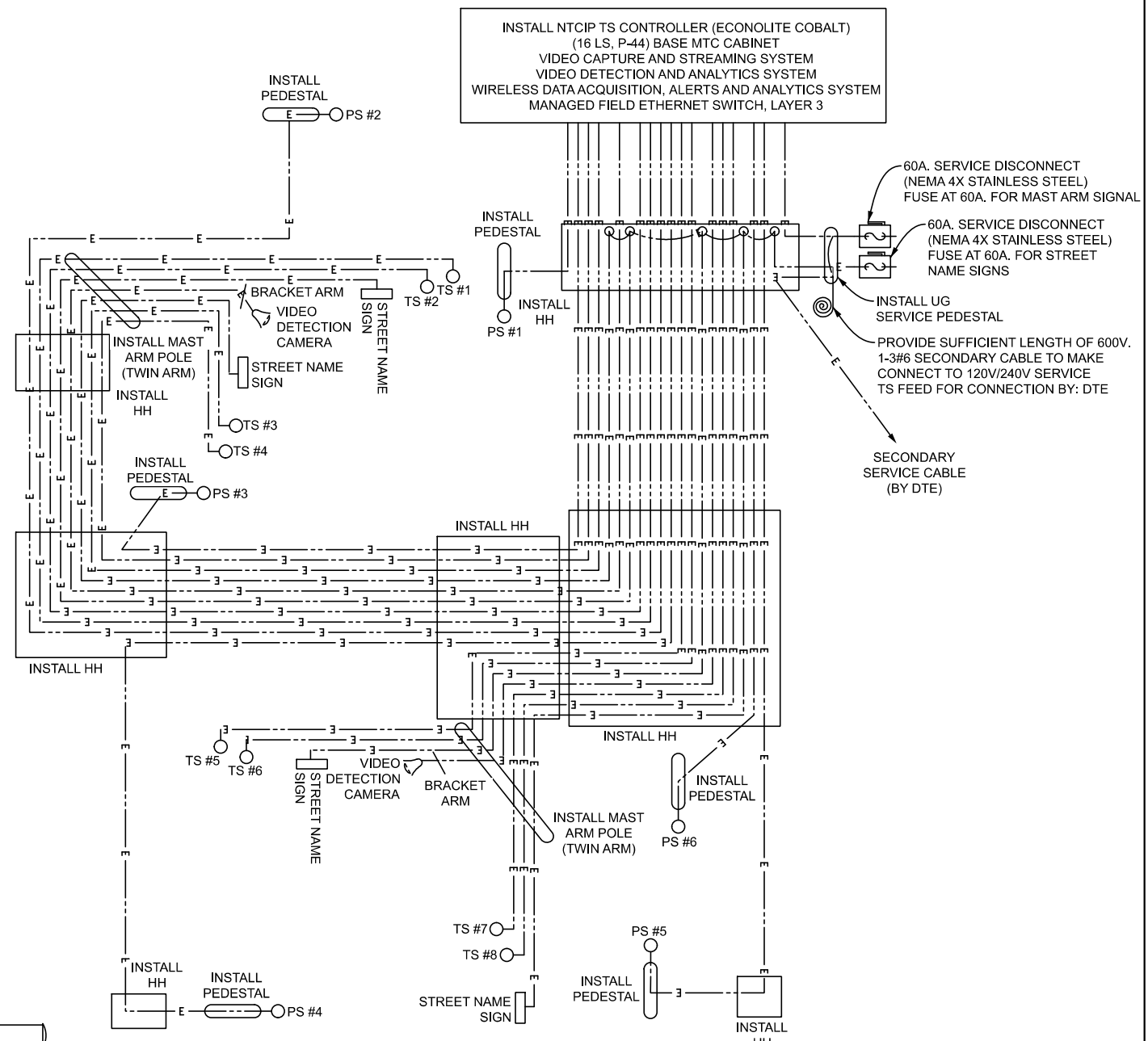
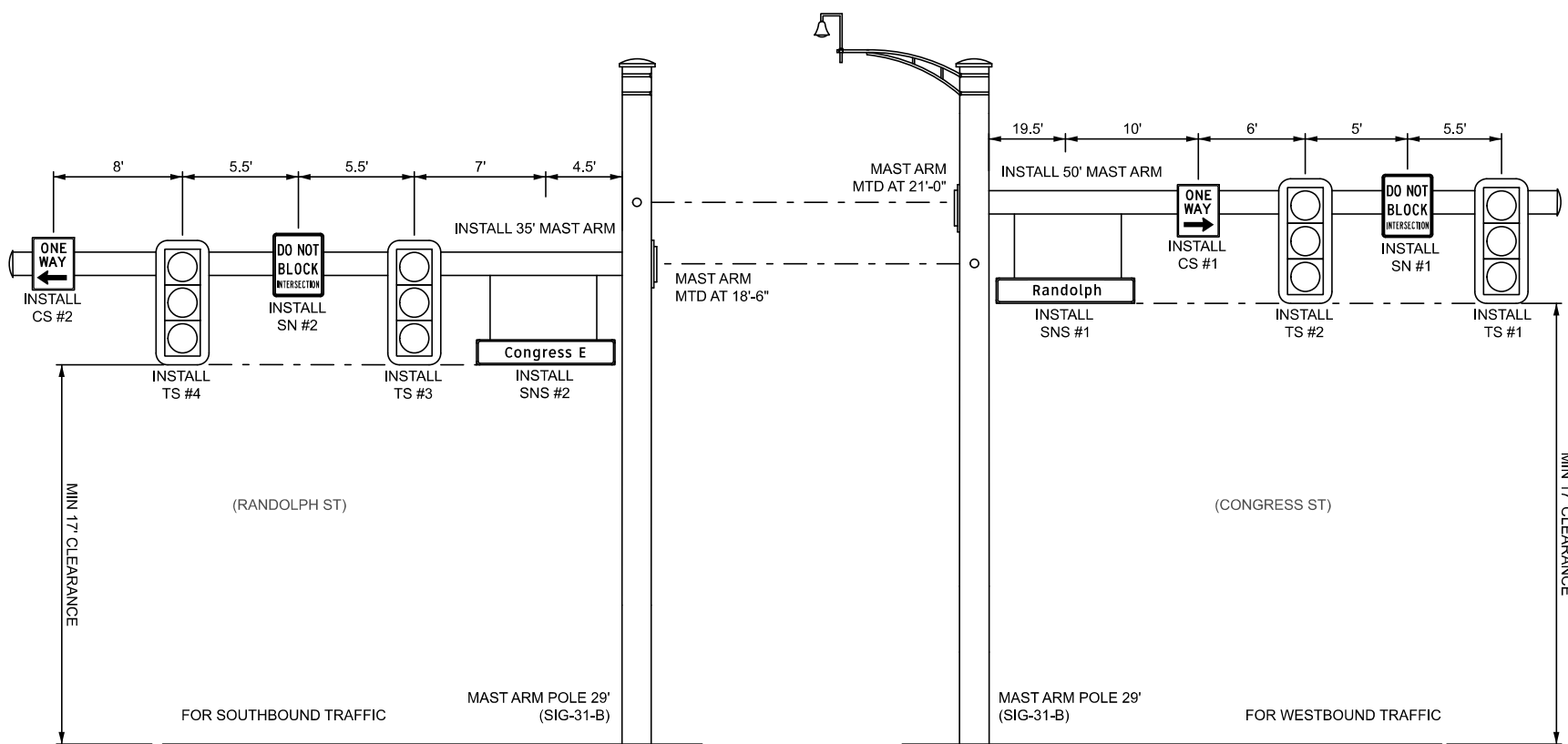
CONDUITS
UNLESS OTHERWISE NOTED: ALL NEW CONDUITS FROM

| | | |
|------------------|--|------|
| H.H.'s or M.H.'s | TO PEDESTALS | 1-3" |
| | TO STEEL POLES | 2-3" |
| | TO CABLE POLES | 2-3" |
| | TO MAST ARM STA'S | 2-3" |
| | TO BASE MTD. CONTROLLERS | 3-4" |
| | TO POLE MTD. CONTROLLERS | 2-4" |
| | TO H.H.'s | 2-4" |
| | M.H. OR TYPE-S H.H. TO M.H. OR TYPE-S H.H. | 2-4" |

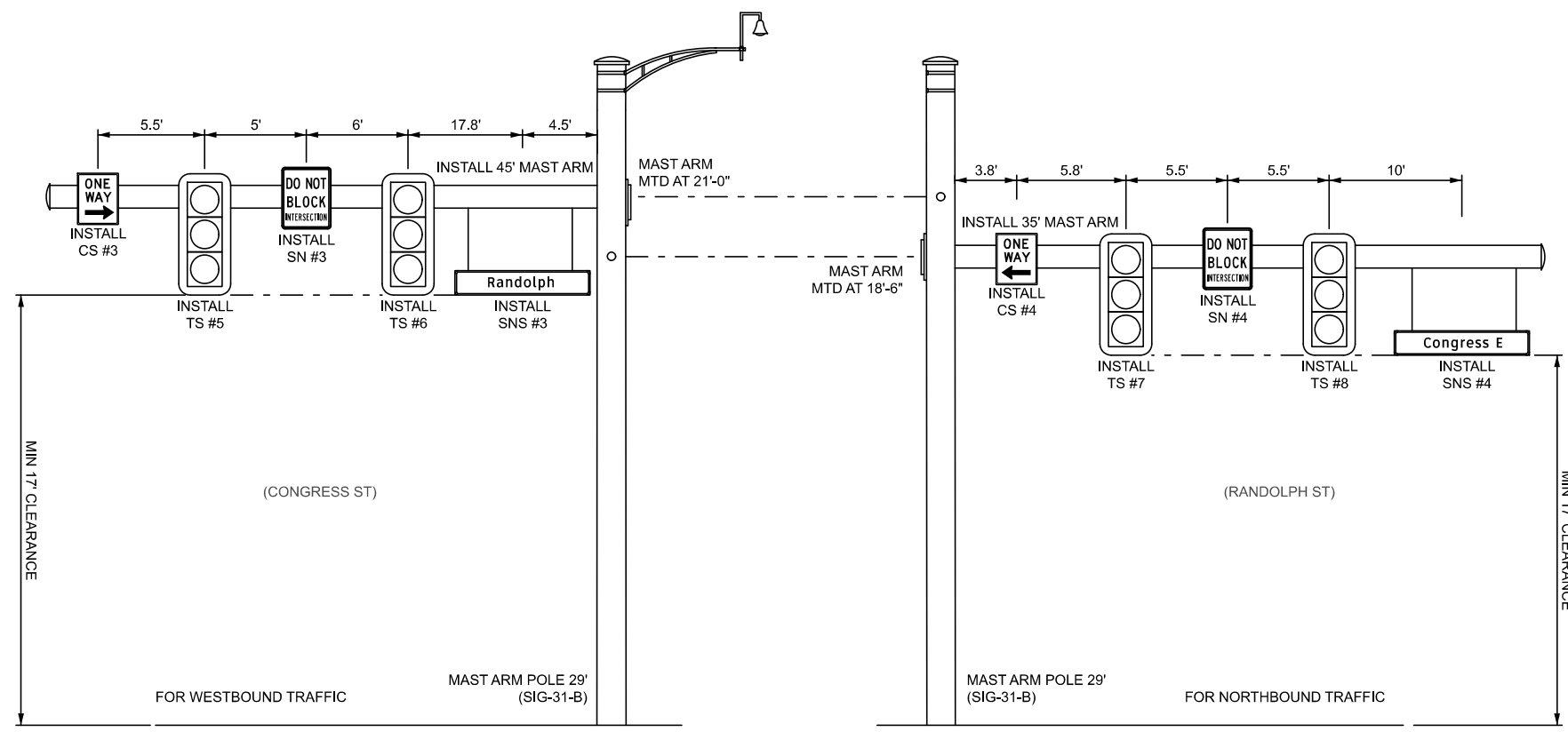
CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE CONNECTION. CONTACT DTE ENERGY FOR CONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD DTE WORK ORDER#: TBD

| STREET NAME SIGNS | |
|-------------------|--------------|
| OPENINGS: | 8 |
| CYCLIC WATTS: | 0 |
| STEADY WATTS: | 384 |
| SIGNALS | |
| OPENINGS: | 37 |
| CYCLIC WATTS: | 476 |
| STEADY WATTS: | 121 |
| PLAN: | 82072-01-002 |

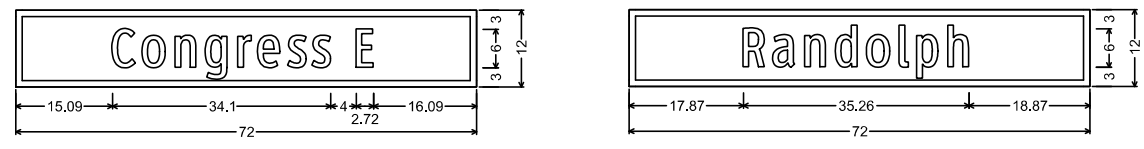
SOUTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE

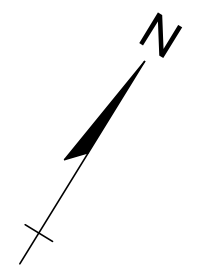


NORTH MEDIAN MAST ARM POLE - NOT TO SCALE



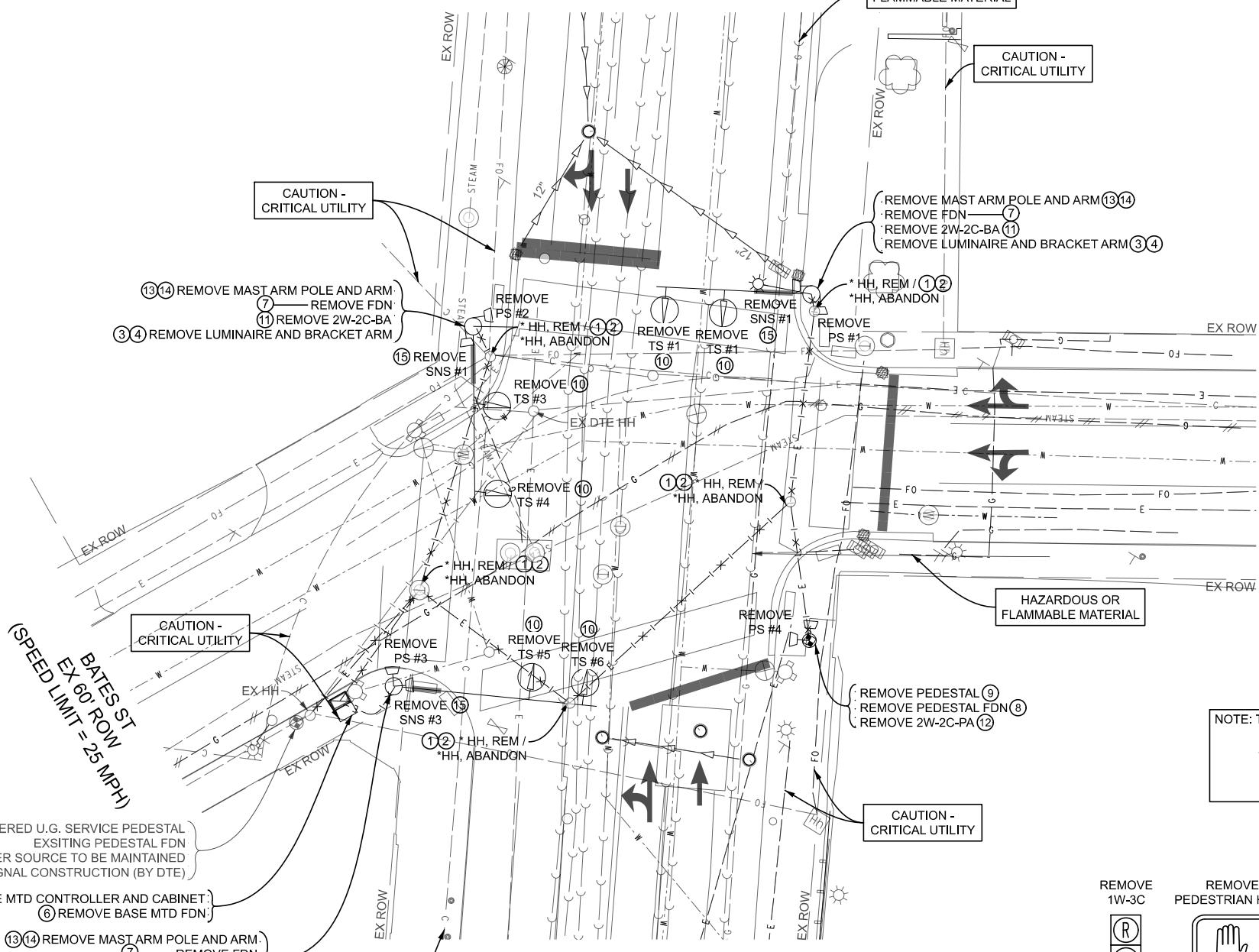
- CABLES TO BE USED UNLESS SPECIFIED OTHERWISE**
- 1W-3C TRAFFIC SIGNAL CABLES ARE 5/C#16 P.J.
 - 1W-4C TRAFFIC SIGNAL CABLES ARE 7/C#16 P.J.
 - PEDESTRIAN SIGNALS CABLES ARE 7/C#16 P.J.
 - CABLE TO VIDEO CAMERAS TO BE SHIELDED 600V CAT 5e OR APPROVED EQUAL.
 - TWO-WAY LED-ILLUMINATED STREET NAME SIGNS ARE 4/C#14 P.J.
 - LED CASE SIGN CABLES ARE 7/C#16 P.J.
 - LIGHTNING PROTECTION IS LPI CLASS II COPPER DOWN CONDUIT TO HANDHOLE.
 - ELECTRICAL SERVICE CABLES ARE 3/C#6 P.J WITH #6 GROUND.





RANDOLPH ST
EX 87' ROW
(SPEED LIMIT = 25 MPH)

LAFAYETTE ST
EX 54' ROW
(SPEED LIMIT = 25 MPH)



BATES ST
EX 60' ROW
(SPEED LIMIT = 25 MPH)

RANDOLPH ST
EX 90' ROW
(SPEED LIMIT = 25 MPH)

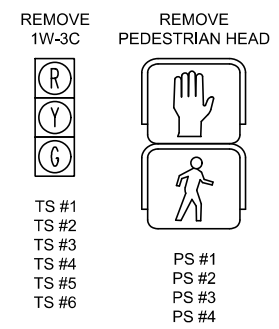
| LIST OF MATERIAL | | |
|------------------|---|------------|
| NO. | ITEM | QUANTITIES |
| * 0 | Conduit, Rem | 335 Ft |
| * 1 | Hh, Rem | 5 Ea |
| * 2 | Hh, Abandon | 5 Ea |
| 3 | Light Std Arm, Rem | 2 Ea |
| 4 | Luminaire, Rem | 2 Ea |
| 5 | Controller and Cabinet, Rem | 1 Ea |
| 6 | Controller Fdn, Rem | 1 Ea |
| 7 | Fdn, Rem | 3 Ea |
| 8 | Pedestal Fdn, Rem | 1 Ea |
| 9 | Pedestal, Rem | 1 Ea |
| 10 | TS, Mast Arm Mtd, Rem | 6 Ea |
| 11 | TS, Pedestrian, Bracket Arm Mtd, Rem | 3 Ea |
| 12 | TS, Pedestrian, Pedestal Mtd, Rem | 1 Ea |
| 13 | Mast Arm, Rem | 3 Ea |
| 14 | Mast Arm Std, Rem | 3 Ea |
| 15 | St Name Sign, Two Way, Illuminated, Rem | 3 Ea |

- NOTE:
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 - RESTORATION OF CONCRETE UNDER FOUNDATIONS BEING REMOVED WILL BE PAID FOR USING THE PAY ITEM 'Sidewalk, Conc, 4 inch'. SEE THE CONSTRUCTION AND DETAIL GRADING PLAN SHEETS FOR QUANTITIES AND GRADING DETAILS AT FOUNDATION REMOVAL LOCATIONS.
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NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN. ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

EXISTING UNMETERED U.G. SERVICE PEDESTAL EXSITING PEDESTAL FDN EXISTING POWER SOURCE TO BE MAINTAINED FOR NEW SIGNAL CONSTRUCTION (BY DTE)

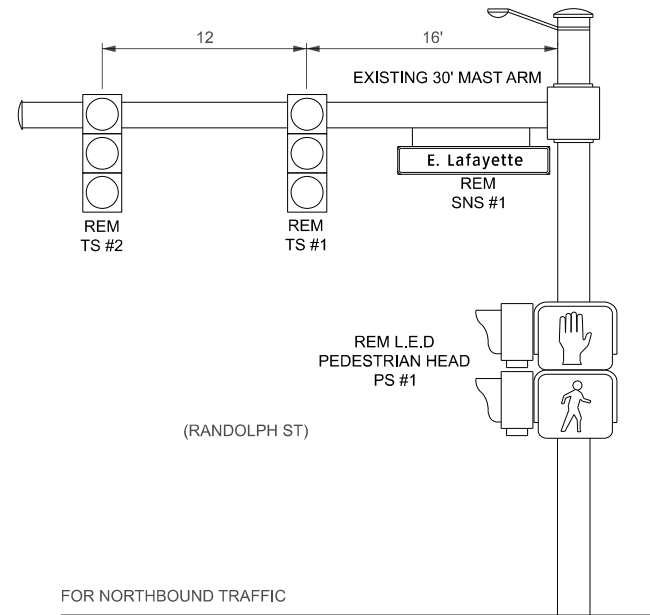
5 REMOVE BASE MTD CONTROLLER AND CABINET
6 REMOVE BASE MTD FDN



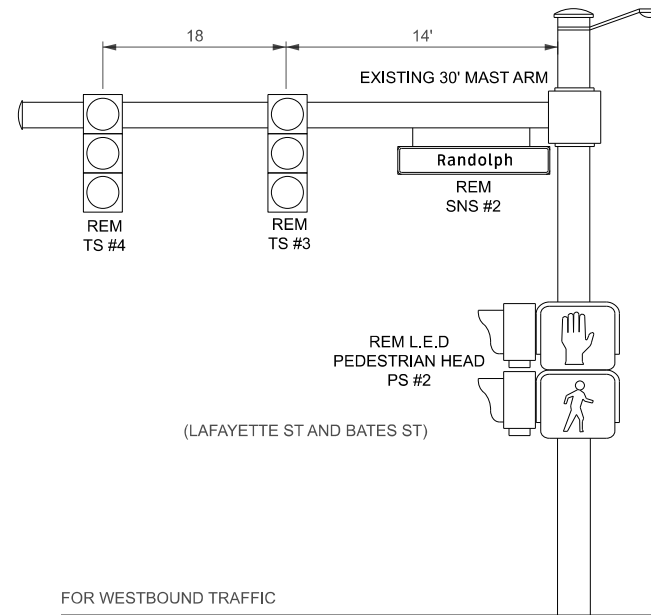
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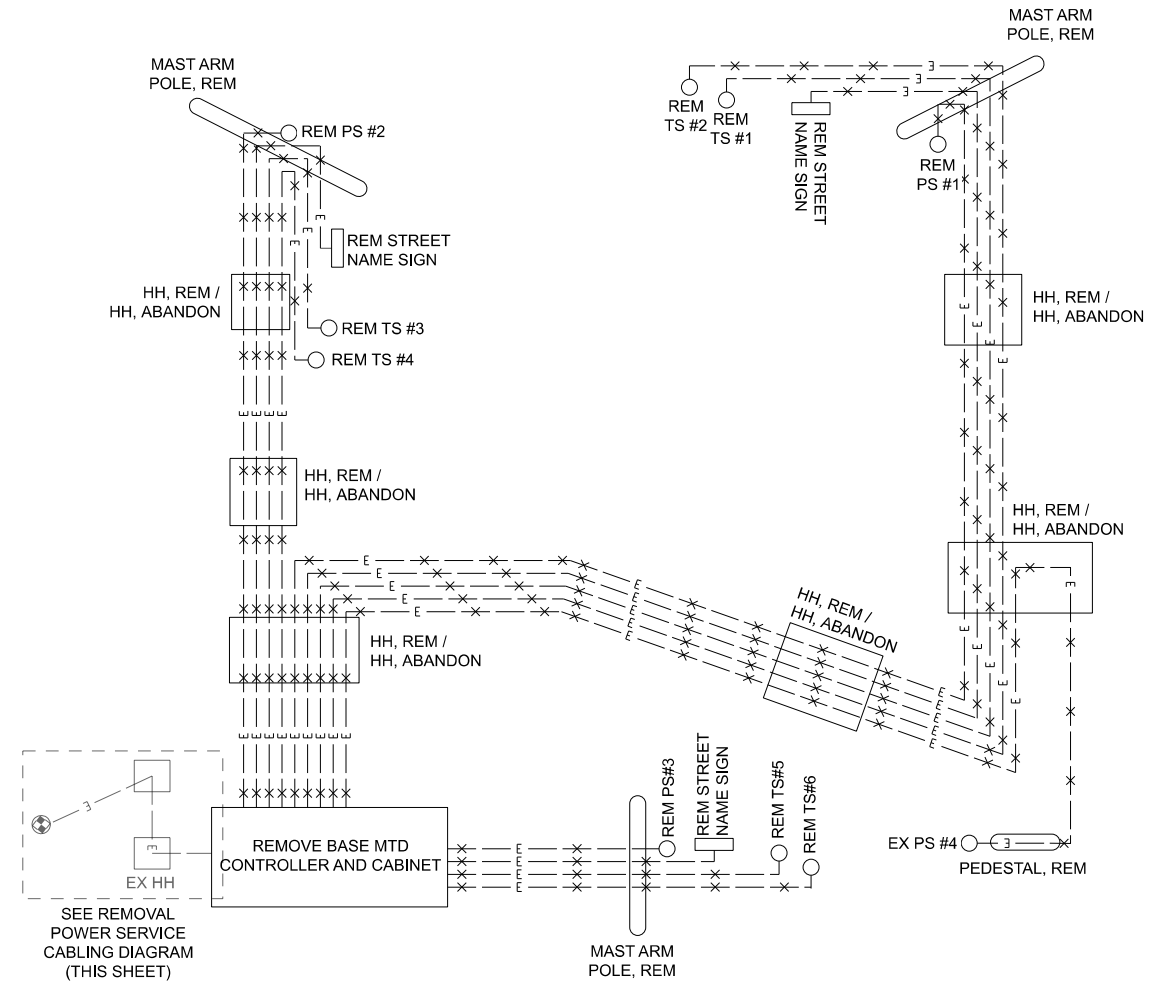
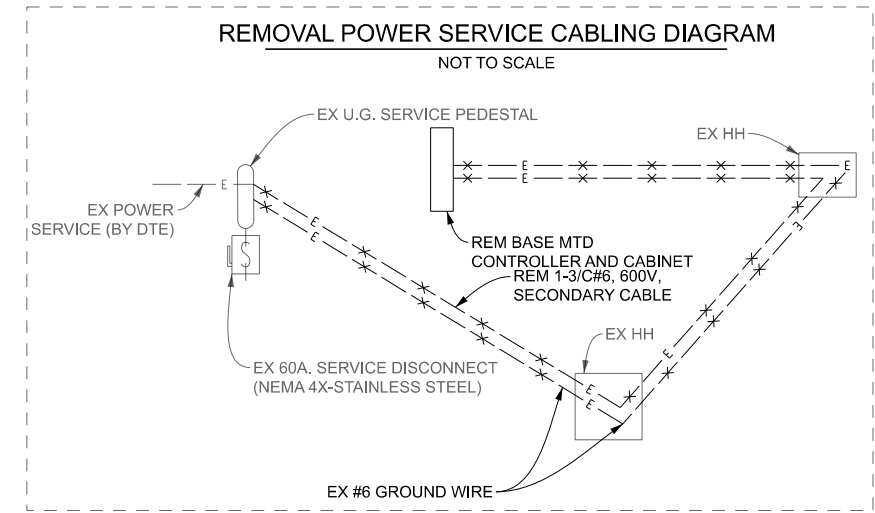
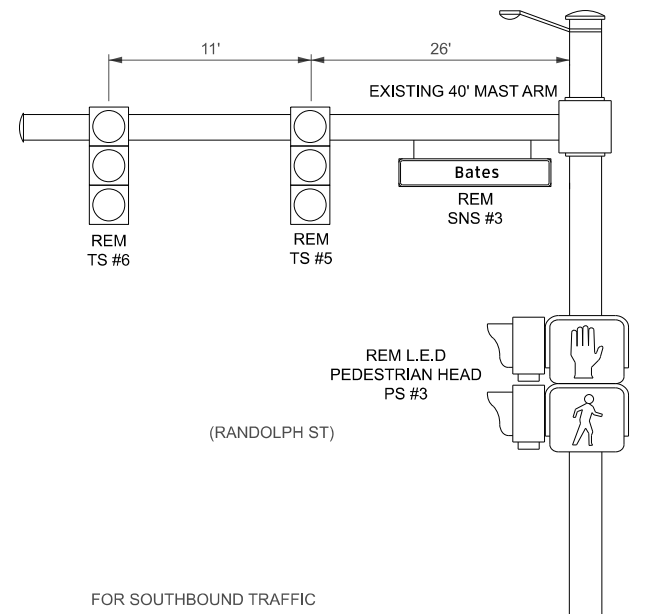
NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE





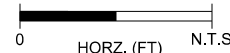
NORTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE



SOUTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE



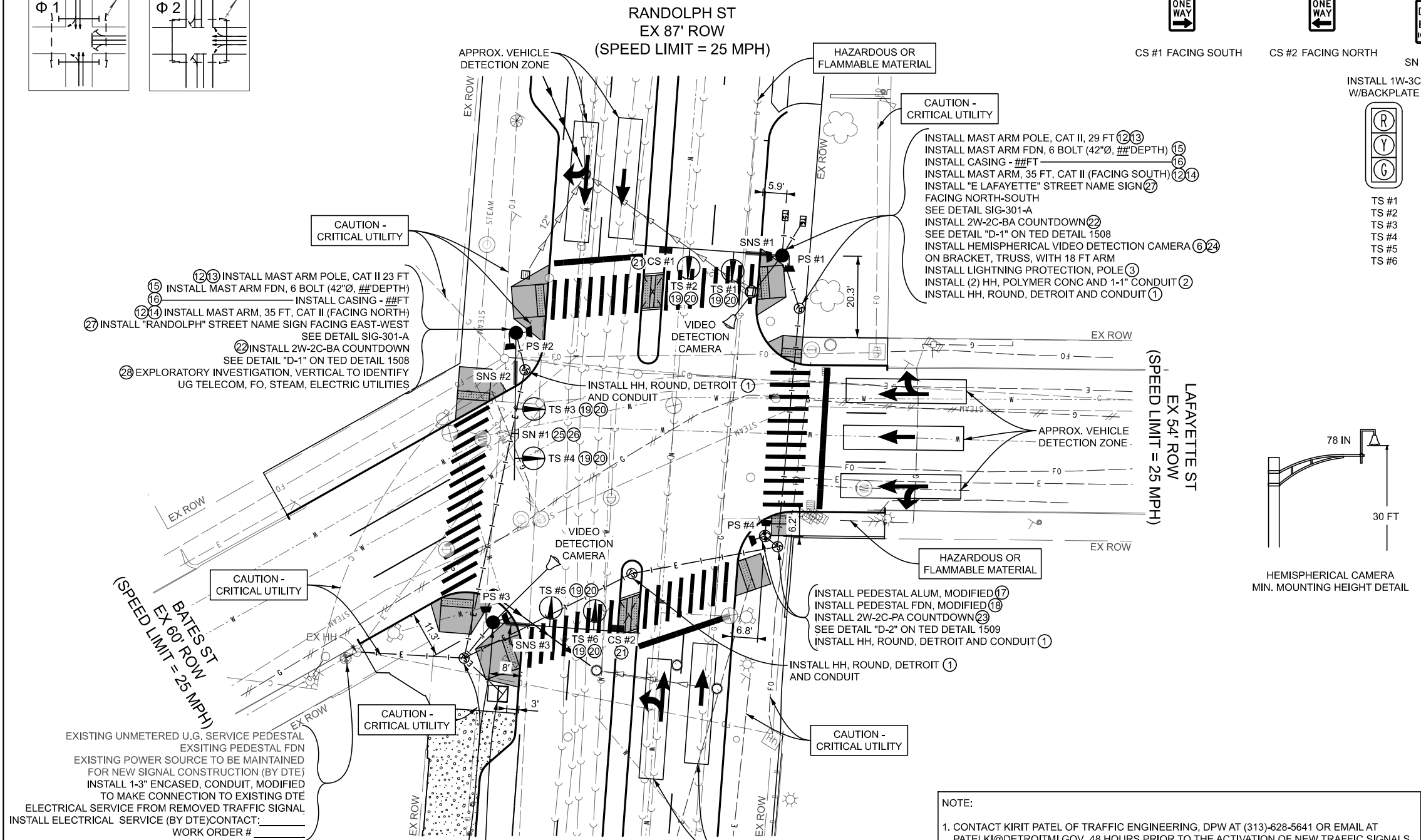
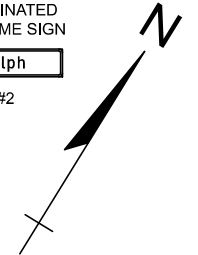
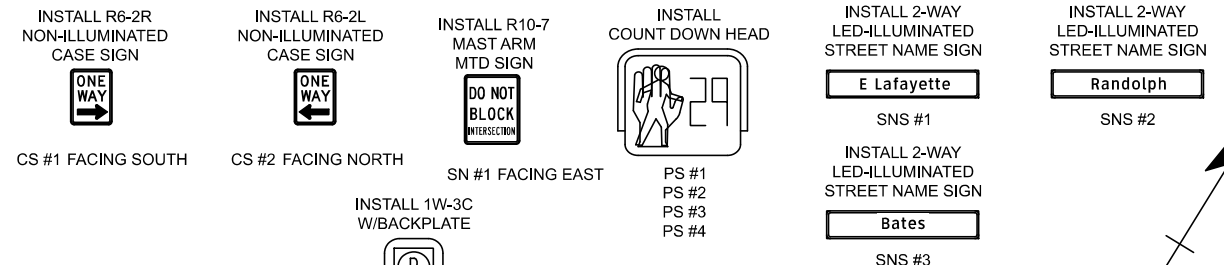
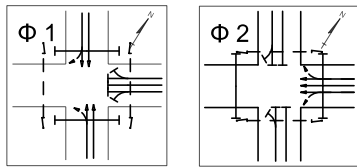
NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN. ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  |  | DATE: 03/15/24 DESIGN UNIT: DETROIT TSC: | CS: JN: PW-7058 | TRAFFIC SIGNAL SHEET - REMOVAL | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|---|--|--------------------|--------------------------------|--------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | | | RAND SIG 012 | SECT 1 |
| | | | | | | | | | | | | | | |

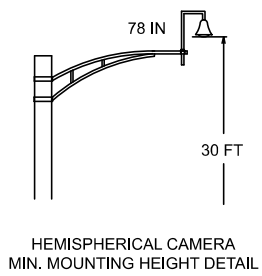
TRAFFIC SIGNAL SHEET - REMOVAL
 RANDOLPH ST AT BATES ST/LAFAYETTE ST
 CITY OF DETROIT, WAYNE COUNTY

PHASING DIAGRAMS

NOT TO SCALE



| LIST OF MATERIAL | | |
|------------------|--|------------|
| NO. | ITEM | QUANTITIES |
| 1 | Hh, Round, Detroit | 5 Ea |
| 2 | Hh, Polymer Conc | 2 Ea |
| 3 | Lightning Protection, Pole | 1 Ea |
| 4 | Controller and Cabinet, Digital Type, ITS | 1 Ea |
| 5 | Controller Fdn, Base Mtd | 1 Ea |
| 6 | Video Capture and Streaming System | 2 Ea |
| 7 | Cellular Data Streaming for 2 hours per month and for 3 Year | 1 Ea |
| 8 | Video Detection and Analytics System | 1 Ea |
| 9 | Wireless Data Acquisition, Alerts and Analytics System | 1 Ea |
| 10 | Cellular Data Service for 3 Years | 1 Ea |
| 11 | Managed Field Ethernet Switch, Layer 3 | 1 Ea |
| 12 | Coating Galvanized Support Structures | 6 Ea |
| 13 | Mast Arm Pole, Cat II | 3 Ea |
| 14 | Mast Arm Pole, 35 foot, Cat II | 3 Ea |
| 15 | Mast Arm Pole Fdn, 6 Bolt | ## Ft |
| 16 | Casing | ## Ft |
| 17 | Pedestal Alum, Modified | 1 Ea |
| 18 | Pedestal Fdn, Modified | 1 Ea |
| 19 | TS, One Way Mast Arm Mtd (LED), Long Life | 6 Ea |
| 20 | Backplate, TS, Detroit | 6 Ea |
| 21 | Case Sign, Two Way, 24 inch by 30 inch, Non-Illuminated | 2 Ea |
| 22 | TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown | 3 Ea |
| 23 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 1 Ea |
| 24 | Bracket, Truss, with 18 foot Arm | 2 Ea |
| 25 | Sign, Type IIIB | 5 Sft |
| 26 | Band, Sign | 2 Ea |
| 27 | St Name Sign, Two Way, LED, 6 foot | 3 Ea |
| 28 | Exploratory Investigation, Vertical | 75 Ft |
| ○ | Conduit, Encased, 1, 3 inch, modified | 70 Ft |
| ○ | Conduit, Encased, 2, 3 inch, modified | 40 Ft |
| ○ | Conduit, Encased, 2, 4 inch, modified | 255 Ft |
| ○ | Conduit, Encased, 3, 4 inch, modified | 20 Ft |
| ○ | Conduit, DB, 1, 1 inch | 20 Ft |
| ○ | Cable, Sec, 600V, 1, 3/C#6 | 70 Ft |
| ○ | Power Company (Estimated Cost to Contractor) | ## Dir |



INSTALL FOUNDATION COORDINATE TABLE

| ITEMS | QUADRANT | NORTHING | EASTING | TOP OF FDN |
|---------------|----------|------------|--------------|------------|
| CONTROLLER | SW | 306352.83' | 13480942.20' | 597.33 |
| MAST ARM POLE | SW | 306367.37' | 13480931.84' | 597.81 |
| MAST ARM POLE | NW | 306431.92' | 13480898.76' | 598.51 |
| PEDESTAL | SE | 306421.34' | 13480978.31' | 598.49 |
| MAST ARM POLE | NW | 306483.23' | 13480945.18' | 597.32 |

NOTE:

- CONTACT KIRIT PATEL OF TRAFFIC ENGINEERING, DPW AT (313)-628-5641 OR EMAIL AT PATELKI@DETROITMI.GOV, 48 HOURS PRIOR TO THE ACTIVATION OF NEW TRAFFIC SIGNALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE CONTROLLER AND WIRING THE CABINET. TIMING PERMITS CAN BE OBTAINED BY CONTACTING KIRIT PATEL AT PATELKI@DETROITMI.GOV OF THE CITY OF DETROIT DPW, TRAFFIC ENGINEERING DIVISION.
- CONTRACTOR TO GET APPROVAL FROM CITY'S PROJECT ENGINEER PRIOR TO INSTALLING THE PAY ITEM 'Casing' AT ANY LOCATION.
- BRACKET ARM SHOULD BE MOUNTED TO ACHIEVE AT LEAST 30 FOOT ELEVATION HEIGHT FOR THE CAMERA EQUIPMENT.
- MAST ARMS MUST BE MOUNTED TO ACHIEVE 17 FOOT MINIMUM CLEARANCE. MAST ARM CAT II TYPICAL GOVERN (MDOT SIG-031-B).
- SEE SIGNING SHEETS FOR INSTRUCTIONS REGARDING UPGRADES TO EXISTING SIGNING.
- SEE CORRESPONDING TRAFFIC SIGNAL DETAIL SHEET(S) FOR EQUIPMENT PLACEMENT DIMENSIONS.
- WHERE CALLED FOR, THE CONTRACTOR SHALL PERFORM 'Exploratory Investigation, Vertical' TO IDENTIFY THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATION AND DEPTHS OF IDENTIFIED UTILITIES. ALL CONSTRUCTION CONFLICTS, AND RELOCATE EQUIPMENT AS APPROVED BY THE ENGINEER.

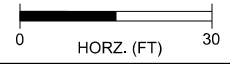
CONDUITS
UNLESS OTHERWISE NOTED: ALL NEW CONDUITS FROM

| | |
|--|------|
| TO PEDESTALS | 1-3" |
| TO STEEL POLES | 2-3" |
| TO CABLE POLES | 2-3" |
| TO MAST ARM STA'S | 2-3" |
| TO BASE MTD. CONTROLLERS | 3-4" |
| TO POLE MTD. CONTROLLERS | 2-4" |
| TO H.H.'S | 2-4" |
| M.H. OR TYPE-S H.H. TO M.H. OR TYPE-S H.H. | 2-4" |

| STREET NAME SIGNS | |
|-------------------|--------------|
| OPENINGS: | 6 |
| CYCLIC WATTS: | 0 |
| STEADY WATTS: | 288 |
| SIGNALS | |
| OPENINGS: | 27 |
| CYCLIC WATTS: | 346 |
| STEADY WATTS: | 121 |
| PLAN: | 82072-01-004 |

CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE CONNECTION. CONTACT DTE ENERGY FOR CONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD DTE WORK ORDER#: TBD

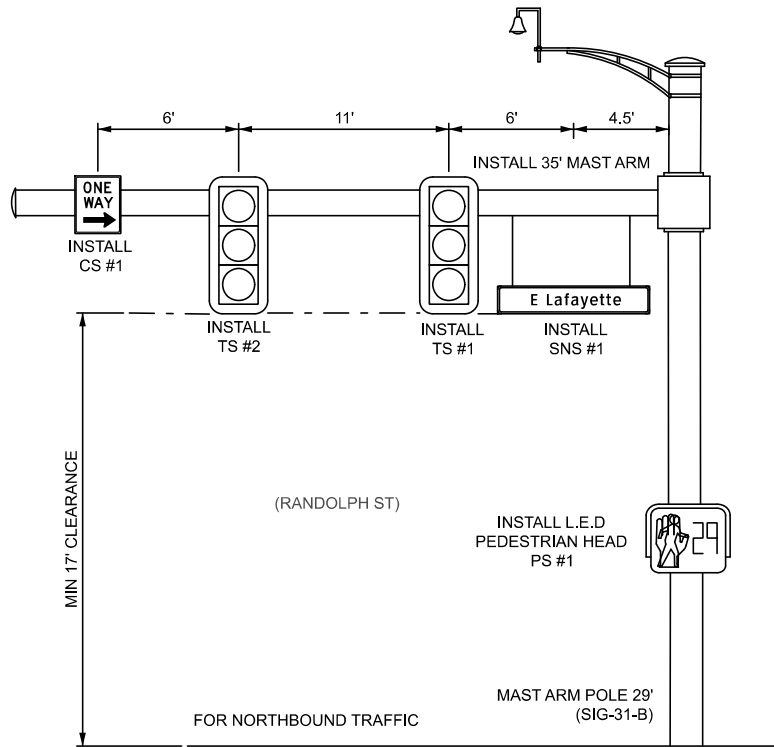
| FINAL ROW PLAN REVISIONS | | | | | | SUBMITTAL DATE: | | | | | |
|--------------------------|------|------|-------------|-----|------|-----------------|-------------|-----|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | | | | | |



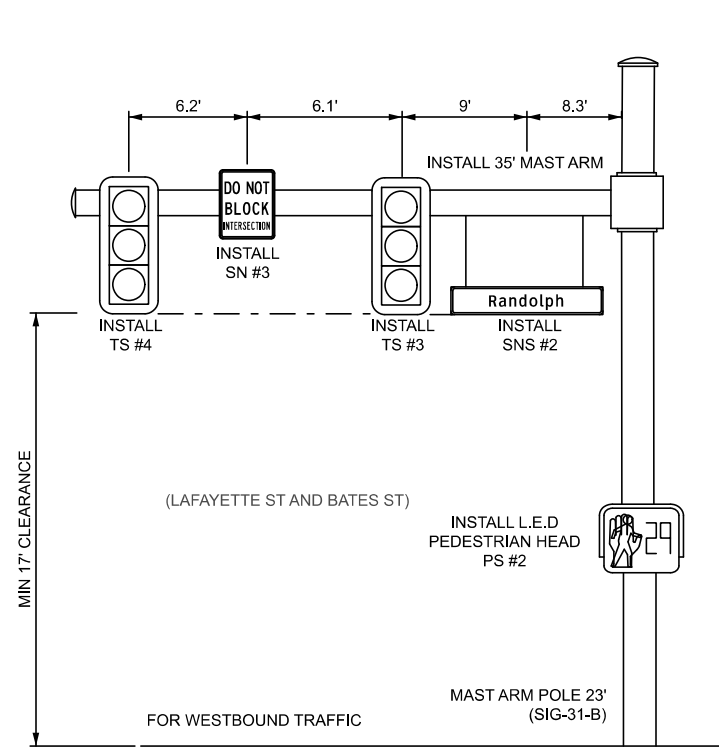
DATE: 03/15/24
DESIGN UNIT: DETROIT
FILE: DETR0062_8207201004_SIG002.dgn
TSC:

CS: JN: PW-7058
TRAFFIC SIGNAL SHEET - CONSTRUCTION
RANDOLPH ST AT BATES ST/LAFAYETTE ST
CITY OF DETROIT, WAYNE COUNTY
DRAWING SHEET RAND SIG 013 SECT 1

NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE

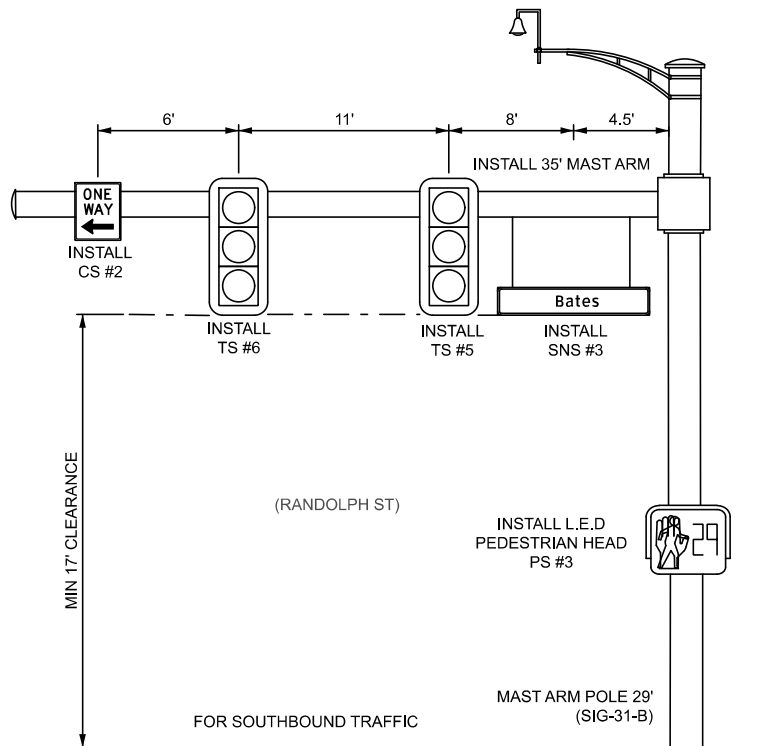


NORTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE

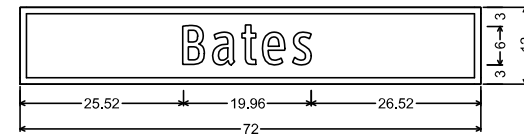


- CABLES TO BE USED
UNLESS SPECIFIED OTHERWISE**
- 1W-3C TRAFFIC SIGNAL CABLES ARE 5/C#16 PJ.
 - 1W-4C TRAFFIC SIGNAL CABLES ARE 7/C#16 PJ.
 - PEDESTRIAN SIGNALS CABLES ARE 7/C#16 PJ.
 - CABLE TO VIDEO CAMERAS TO BE SHIELDED 600V CAT 5e OR APPROVED EQUAL.
 - TWO-WAY LED-ILLUMINATED STREET NAME SIGNS ARE 4/C#14 PJ.
 - LED CASE SIGN CABLES ARE 7/C#16 PJ.
 - LIGHTNING PROTECTION IS LPI CLASS II COPPER DOWN CONDUIT TO HANDHOLE.
 - ELECTRICAL SERVICE CABLES ARE 3/C#6 PJ WITH #6 GROUND.

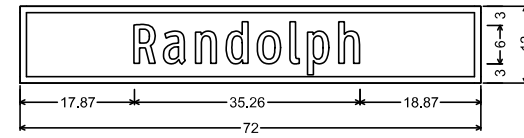
SOUTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE



1.01" Radius, 1.00" Border, White on Green;
"E", ClearviewHwy-2-W; "Lafayette", ClearviewHwy-2-W;

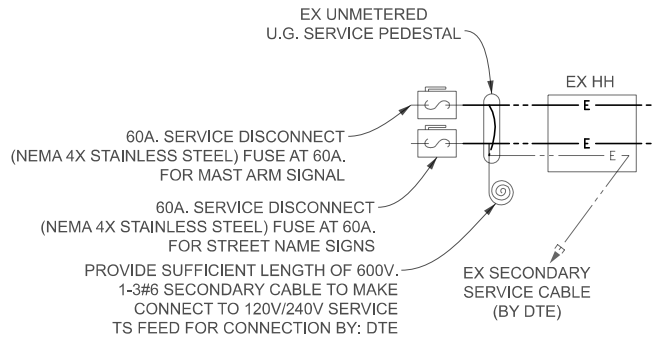
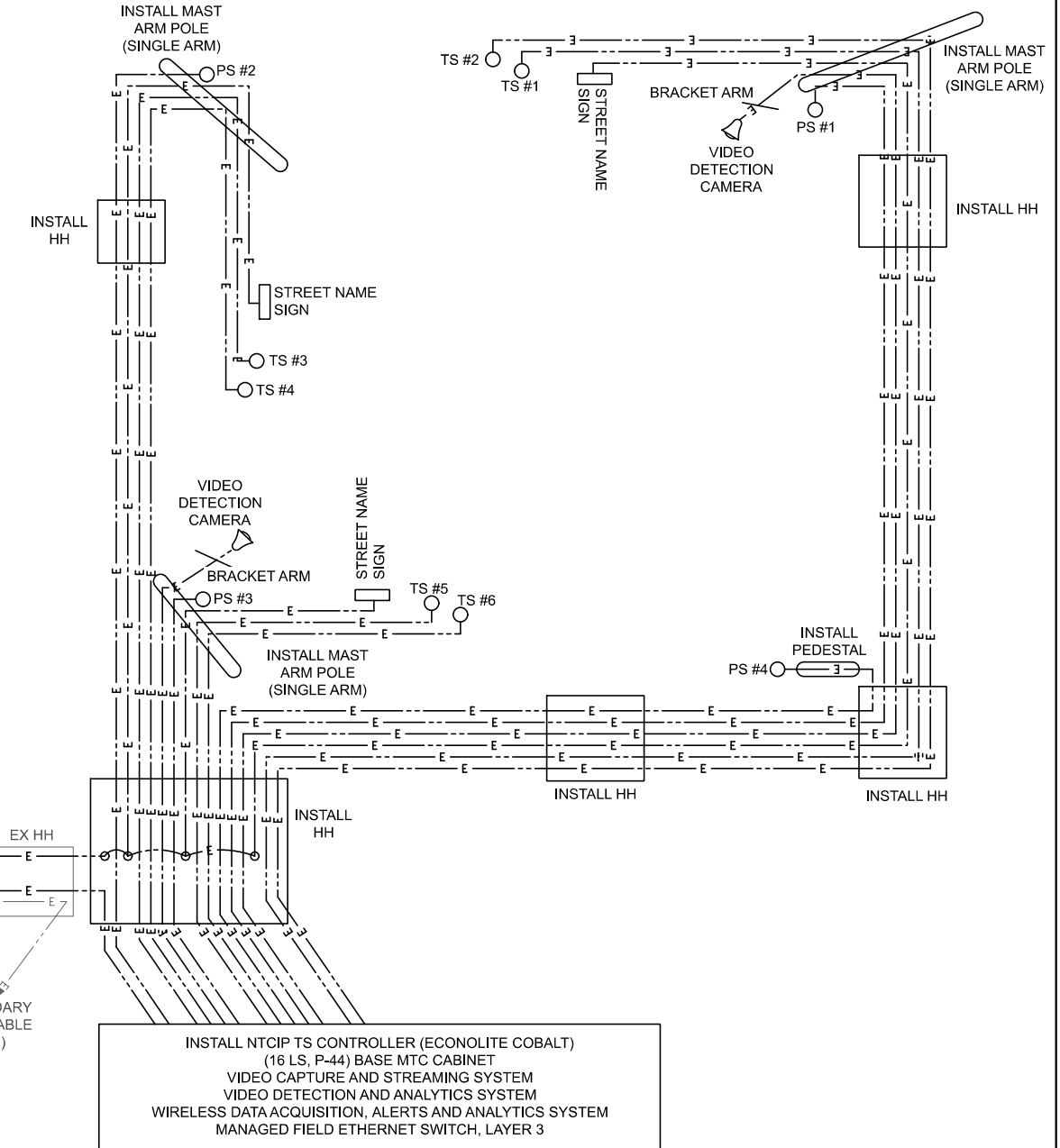


1.01" Radius, 1.00" Border, White on Green;
"Bates", ClearviewHwy-2-W;



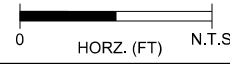
1.01" Radius, 1.00" Border, White on Green;
"Randolph", ClearviewHwy-2-W;

STREET NAME SIGN, TWO WAY, LED, 6 FOOT
SPECIAL DETAILS



INSTALL CABLING DIAGRAM
NOT TO SCALE

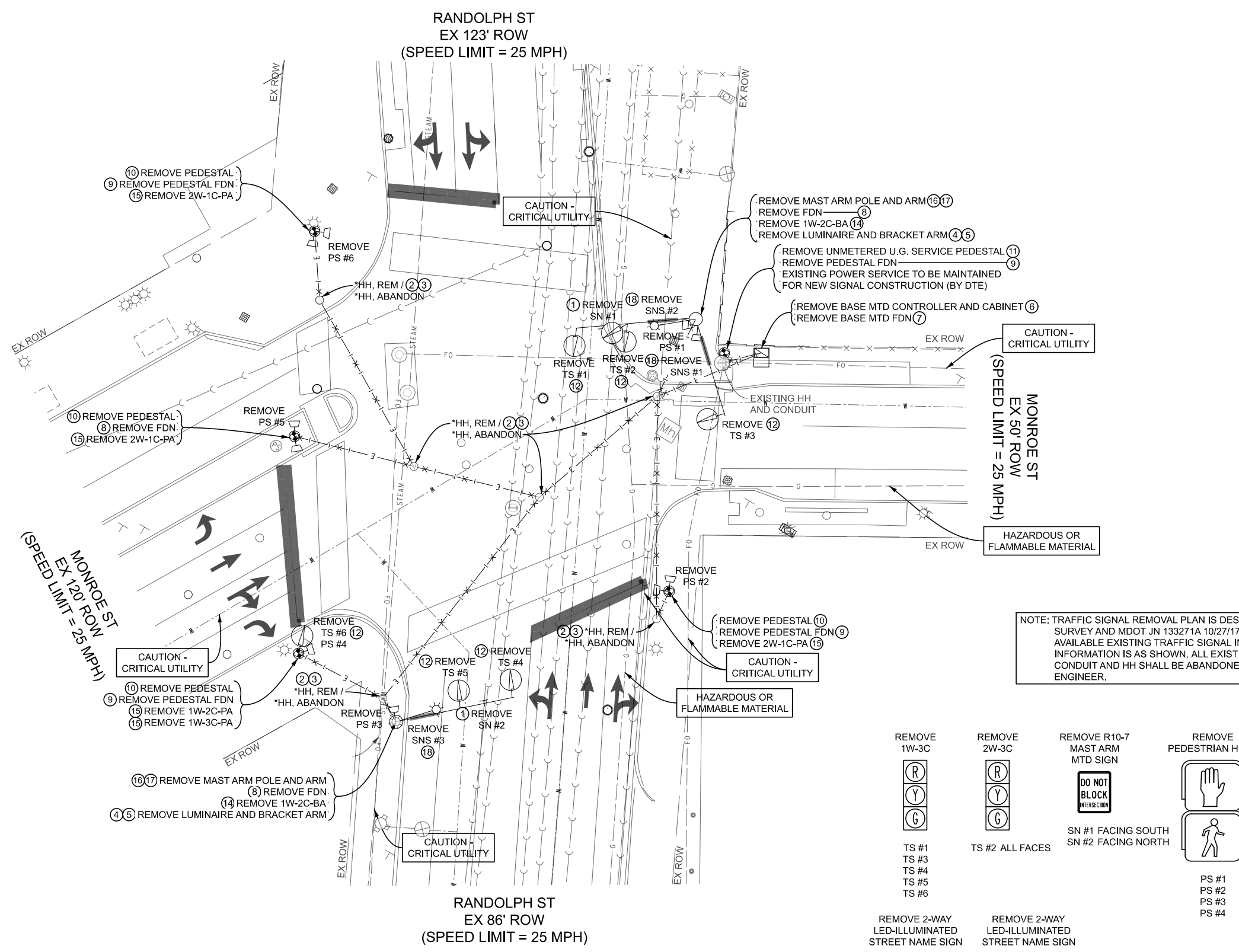
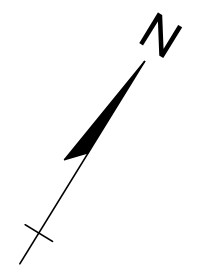
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



DATE: 03/15/24
DESIGN UNIT: DETROIT
TSC:
FILE: DETR0062_8207201004_SIG002.dgn

CS:
JN: PW-7058

TRAFFIC SIGNAL SHEET - CONSTRUCTION
RANDOLPH ST AT BATES ST/LAFAYETTE ST
CITY OF DETROIT, WAYNE COUNTY
DRAWING SHEET
RAND SIG 014 SECT 1



| LIST OF MATERIAL | | |
|------------------|---|------------|
| NO. | ITEM | QUANTITIES |
| * ① | Conduit, Rem | 450 Ft |
| ① | Sign, Type III, Rem | 2 Ea |
| * ② | Hh, Abandon | 6 Ea |
| * ③ | Hh, Rem | 6 Ea |
| ④ | Light Std Arm, Rem | 2 Ea |
| ⑤ | Luminaire, Rem | 2 Ea |
| ⑥ | Controller and Cabinet, Rem | 1 Ea |
| ⑦ | Controller Fdn, Rem | 1 Ea |
| ⑧ | Fdn, Rem | 2 Ea |
| ⑨ | Pedestal Fdn, Rem | 5 Ea |
| ⑩ | Pedestal, Rem | 4 Ea |
| ⑪ | Pedestal, Underground Serv, Rem | 1 Ea |
| ⑫ | TS, Mast Arm Mtd, Rem | 5 Ea |
| ⑬ | TS, Pedestrian Mtd, Rem | 1 Ea |
| ⑭ | TS, Pedestrian, Bracket Arm Mtd, Rem | 2 Ea |
| ⑮ | TS, Pedestrian, Pedestal Mtd, Rem | 4 Ea |
| ⑯ | Mast Arm, Rem | 3 Ea |
| ⑰ | Mast Arm Std, Rem | 2 Ea |
| ⑱ | St Name Sign, Two Way, Illuminated, Rem | 3 Ea |

NOTE:

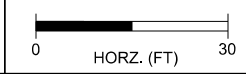
- CONTACT KIRIT PATEL OF TRAFFIC ENGINEERING, DPW AT (313)-628-5641 OR EMAIL AT PATELKI@DETROITMI.GOV, 48 HOURS PRIOR TO REMOVAL OF TRAFFIC SIGNAL EQUIPMENT.
- FOR ALL SIGN TRANSFERS, PLEASE CONTACT SIGN SHOP MANAGER TRAFFIC ENGINEERING, DPW AT (313) 628-4246, 72 HOURS PRIOR TO REMOVING ANY POLE, TO TRANSFER THE EXISTING SIGNS.
- CONTACT THE SYSTEM OPERATOR OF DTE AT (800) 477-4747 FOR ELECTRICAL SERVICE CONNECT/DISCONNECTION.
- ALL REMOVED MATERIALS WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR FOR DISPOSAL.
- ALL FOUNDATIONS THAT ARE TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO SHOW THE ENGINEER THAT THE FOUNDATIONS HAVE BEEN COMPLETELY REMOVED PRIOR TO SURFACE GRADE RESTORATION/FINISHING.
- RESTORATION OF CONCRETE UNDER FOUNDATIONS BEING REMOVED WILL BE PAID FOR USING THE PAY ITEM 'Sidewalk, Conc, 4 inch'. SEE THE CONSTRUCTION AND DETAIL GRADING PLAN SHEETS FOR QUANTITIES AND GRADING DETAILS AT FOUNDATION REMOVAL LOCATIONS.
- * THE CONTRACTOR WILL IDENTIFY ALL TRAFFIC SIGNAL HANDHOLES AND CONDUIT; EACH HANDHOLE WILL BE INSPECTED TO IDENTIFY AND MARK ALL CABLING WITHIN EACH HANDHOLE. ALL HANDHOLES THAT CONTAIN ONLY TRAFFIC SIGNAL CABLING WILL BE REMOVED AND PAID FOR AS 'Hh, Rem' AND 'Conduit, Rem', IF HANDHOLES CONTAIN CABLING FOR INFRASTRUCTURE OTHER THAN TRAFFIC SIGNALS, THAT HANDHOLE AND CONDUIT SHALL BE ABANDONED AND PAID FOR AS 'Hh, Abandon'.

NOTE: TRAFFIC SIGNAL REMOVAL PLAN IS DESIGNED TO THE PROJECT SURVEY AND MDOT JN 133271A 10/27/17 RECORD PLANS. ALL AVAILABLE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE INFORMATION IS AS SHOWN. ALL EXISTING TRAFFIC SIGNAL CONDUIT AND HH SHALL BE ABANDONED AS DIRECTED BY THE ENGINEER.

NOTE: REMOVAL OF THE EXISTING TRAFFIC SIGNAL WILL BE COORDINATED WITH CONSTRUCTION AND MAINTENANCE OF TRAFFIC STAGING. TIME OF REMOVAL TO BE AS DIRECTED BY THE ENGINEER.

CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE DISCONNECT. CONTACT DTE ENERGY FOR DISCONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD DTE WORK ORDER#: TBD

| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |
|--------------------------|------|------|-------------|-----------------|------|------|-------------|
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
| | | | | | | | |



REMOVE 2-WAY LED-ILLUMINATED STREET NAME SIGN
 Randolph
 SNS #1

REMOVE 2-WAY LED-ILLUMINATED STREET NAME SIGN
 Monroe
 SNS #2
 SNS #3

DATE: 03/15/24
 DESIGN UNIT: DETROIT
 TSC:

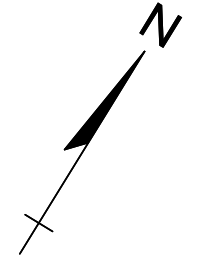
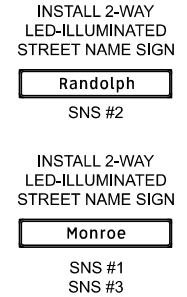
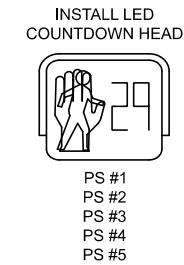
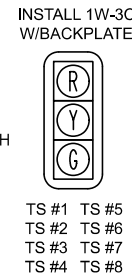
CS:
 JN: PW-7058

TRAFFIC SIGNAL SHEET - REMOVAL
 RANDOLPH ST AT MONROE ST
 CITY OF DETROIT, WAYNE COUNTY

DRAWING SHEET
 RAND SIG 015
 SECT 1

FILE: DETR0062_8207201005_SIG001.dgn

RANDOLPH ST
EX 123' ROW
(SPEED LIMIT = 25 MPH)



- 6 7 INSTALL COBALT NTCIP CONTROLLER & BASE MTD CABINET (16 LOAD SWITCH, P-44)
- 9 11 12 INSTALL WIRELESS DATA ACQUISITION, ALERTS AND ANALYTICS SYSTEM
- 10 INSTALL VIDEO DETECTION AND ANALYTICS SYSTEM
- 13 INSTALL MANAGED FIELD ETHERNET SWITCH, LAYER 3
- 32 EXPLORATORY INVESTIGATION, VERTICAL TO IDENTIFY UG PLD LIGHTING UTILITIES

- 3 HH, ROUND, DETROIT AND CONDUIT
- 1 2 INSTALL 6 CIRCUIT UNMETERED U.G. SERVICE PEDESTAL (STAINLESS STEEL) (120V/240V 100A SERVICE RATED)
- 2 INSTALL PEDESTAL FDN, MODIFIED
- 1 3" ENCASED, CONDUIT, MODIFIED TO MAKE CONNECTION TO EXISTING DTE ELECTRICAL SERVICE FROM REMOVED TRAFFIC SIGNAL
- INSTALL ELECTRICAL SERVICE (BY DTE) CONTACT: _____ WORK ORDER # _____

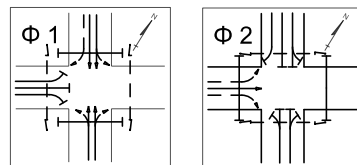
- 3 HH, ROUND, DETROIT AND CONDUIT
- 20 INSTALL PEDESTAL ALUM, MODIFIED
- 21 INSTALL PEDESTAL FDN, MODIFIED
- 27 INSTALL 2W-2C-PA COUNTDOWN SEE DETAIL "D-2" ON TED DETAIL 1509
- 32 EXPLORATORY INVESTIGATION, VERTICAL TO IDENTIFY UG PLD LIGHTING UTILITIES

- 20 INSTALL PEDESTAL ALUM, MODIFIED
- 21 INSTALL PEDESTAL FDN, MODIFIED
- 27 INSTALL 2W-2C-PA COUNTDOWN SEE DETAIL "D-2" ON TED DETAIL 1509

APPROX. VEHICLE DETECTION ZONES

MONROE ST
EX 120' ROW
(SPEED LIMIT = 25 MPH)

PHASING DIAGRAMS
NOT TO SCALE



MONROE ST
EX 120' ROW
(SPEED LIMIT = 25 MPH)

- 14 15 INSTALL MAST ARM POLE, CAT II, 29 FT
- 18 INSTALL MAST ARM FDN, 6 BOLT (42" Ø, ##" DEPTH)
- 19 INSTALL CASING - ##" FT
- 14 17 INSTALL MAST ARM, 50 FT, CAT II (FACING NORTH)
- 31 INSTALL "MONROE" STREET NAME SIGN FACING NORTH-SOUTH SEE DETAIL SIG-301-A
- INSTALL 1W-3C-BA (FACING NORTH)
- 26 INSTALL 2W-2C-BA COUNTDOWN SEE DETAIL "F-1" ON TED DETAIL 1508
- 8 28 INSTALL HEMISPHERICAL VIDEO DETECTION CAMERA ON BRACKET, TRUSS, WITH 18 FT ARM
- 5 INSTALL LIGHTNING PROTECTION, POLE
- 4 INSTALL (2) HH, POLYMER CONC AND 1-1" CONDUIT
- 3 INSTALL HH, ROUND, DETROIT AND CONDUIT
- 32 EXPLORATORY INVESTIGATION, VERTICAL TO IDENTIFY UG PLD LIGHTING UTILITIES

INSTALL FOUNDATION COORDINATE TABLE

| ITEMS | QUADRANT | NORTHING | EASTING | TOP OF FDN |
|------------------|-------------|------------|--------------|------------|
| CONTROLLER | NW | 306775.49' | 13480690.88' | 601.65 |
| UG SERV PEDESTAL | NW | 306771.56' | 13480693.53' | 601.42 |
| PEDESTAL | NW | 306750.62' | 13480701.08' | 601.52 |
| PEDESTAL | WEST MEDIAN | 306701.74' | 13480721.72' | 601.32 |
| MAST ARM POLE | SW | 306658.04' | 13480758.93' | 601.29 |
| PEDESTAL | SE | 306729.70' | 13480818.57' | 601.42 |
| MAST ARM POLE | NE | 306787.84' | 13480790.00' | 602.03 |

RANDOLPH ST
EX 86' ROW
(SPEED LIMIT = 25 MPH)

NOTE:

1. CONTACT KIRIT PATEL OF TRAFFIC ENGINEERING, DPW AT (313)-628-5641 OR EMAIL AT PATELKI@DETROITMI.GOV, 48 HOURS PRIOR TO THE ACTIVATION OF NEW TRAFFIC SIGNALS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE CONTROLLER AND WIRING THE CABINET. TIMING PERMITS CAN BE OBTAINED BY CONTACTING KIRIT PATEL AT PATELKI@DETROITMI.GOV OF THE CITY OF DETROIT DPW, TRAFFIC ENGINEERING DIVISION.
3. CONTRACTOR TO GET APPROVAL FROM CITY'S PROJECT ENGINEER PRIOR TO INSTALLING THE PAY ITEM 'Casing' AT ANY LOCATION.
4. BRACKET ARM SHOULD BE MOUNTED TO ACHIEVE AT LEAST 30 FOOT ELEVATION HEIGHT FOR THE CAMERA EQUIPMENT.
5. MAST ARMS MUST BE MOUNTED TO ACHIEVE 17 FOOT MINIMUM CLEARANCE. MAST ARM CAT II TYPICAL GOVERN (MDOT SIG-031-B).
6. SEE SIGNING SHEETS FOR INSTRUCTIONS REGARDING UPGRADES TO EXISTING SIGNING.
7. SEE CORRESPONDING TRAFFIC SIGNAL DETAIL SHEET(S) FOR EQUIPMENT PLACEMENT DIMENSIONS.
8. WHERE CALLED FOR, THE CONTRACTOR SHALL PERFORM 'Exploratory Investigation, Vertical' TO IDENTIFY THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATION AND DEPTHS OF IDENTIFIED UTILITIES, ALL CONSTRUCTION CONFLICTS, AND RELOCATE EQUIPMENT AS APPROVED BY THE ENGINEER.

| LIST OF MATERIAL | | |
|------------------|--|------------|
| NO. | ITEM | QUANTITIES |
| 1 | Pedestal, Underground Serv, Unmetered | 1 Ea |
| 2 | Serv Disconnect | 2 Ea |
| 3 | Hh, Round, Detroit | 5 Ea |
| 4 | Hh, Polymer Conc | 2 Ea |
| 5 | Lightning Protection, Pole | 1 Ea |
| 6 | Controller and Cabinet, Digital Type, ITS | 1 Ea |
| 7 | Controller Fdn, Base Mtd | 1 Ea |
| 8 | Video Capture and Streaming System | 2 Ea |
| 9 | Cellular Data Streaming for 2 hours per month and for 3 Year | 1 Ea |
| 10 | Video Detection and Analytics System | 1 Ea |
| 11 | Wireless Data Acquisition, Alerts and Analytics System | 1 Ea |
| 12 | Cellular Data Service for 3 Years | 1 Ea |
| 13 | Managed Field Ethernet Switch, Layer 3 | 1 Ea |
| 14 | Coating Galvanized Support Structures | 5 Ea |
| 15 | Mast Arm Pole, Cat II | 2 Ea |
| 16 | Mast Arm Pole, 45 foot, Cat II | 2 Ea |
| 17 | Mast Arm Pole, 50 foot, Cat II | 1 Ea |
| 18 | Mast Arm Pole Fdn, 6 Bolt | ## Ft |
| 19 | Casing | ## Ft |
| 20 | Pedestal Alum, Modified | 3 Ea |
| 21 | Pedestal Fdn, Modified | 4 Ea |
| 22 | TS, One Way Mast Arm Mtd (LED), Long Life | 6 Ea |
| 23 | TS, One Way Bracket Arm Mtd (LED), Long Life | 2 Ea |
| 24 | Backplate, TS, Detroit | 8 Ea |
| 25 | Case Sign, Two Way, 24 inch by 30 inch, Non-Illuminated | 1 Ea |
| 26 | TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown | 2 Ea |
| 27 | TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown | 3 Ea |
| 28 | Bracket, Truss, with 18 foot Arm | 2 Ea |
| 29 | Sign, Type IIIB | 15 Sft |
| 30 | Band, Sign | 6 Ea |
| 31 | St Name Sign, Two Way, LED, 6 foot | 3 Ea |
| 32 | Exploratory Investigation, Vertical | 75 Ft |
| ○ | Conduit, Encased, 1, 3 inch, modified | 80 Ft |
| ○ | Conduit, Encased, 2, 3 inch, modified | 35 Ft |
| ○ | Conduit, Encased, 2, 4 inch, modified | 355 Ft |
| ○ | Conduit, Encased, 3, 4 inch, modified | 30 Ft |
| ○ | Conduit, DB, 1, 1 inch | 20 Ft |
| ○ | Cable, Sec, 600V, 1, 3/C#6 | 255 Ft |
| ○ | Power Company (Estimated Cost to Contractor) | ## Dir |

CONDUITS

UNLESS OTHERWISE NOTED: ALL NEW CONDUITS FROM

| | | |
|--|-------------------------------|------|
| H.H.'s or M.H.'s | TO PEDESTALS | 1-3" |
| | TO STEEL POLES | 2-3" |
| | TO CABLE POLES | 2-3" |
| | TO MAST ARM STA'S | 2-3" |
| | TO BASE MTD. CONTROLLERS 3-4" | 2-4" |
| | TO POLE MTD. CONTROLLERS 2-4" | 2-4" |
| TO H.H.'s | | 2-4" |
| M.H. OR TYPE-S H.H. TO M.H. OR TYPE-S H.H. | | 2-4" |

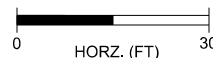
STREET NAME SIGNS

| | |
|---------------|--------------|
| OPENINGS: | 6 |
| CYCLIC WATTS: | 0 |
| STEADY WATTS: | 288 |
| SIGNALS | |
| OPENINGS: | 35 |
| CYCLIC WATTS: | 454 |
| STEADY WATTS: | 121 |
| PLAN: | 82072-01-005 |

CONTACT: CONTRACTOR MUST PROVIDE A MINIMUM OF 5 DAYS NOTICE PRIOR TO ELECTRIC SERVICE CONNECTION. CONTACT DTE ENERGY FOR CONNECTION OF ELECTRICAL SERVICE. ESTIMATED COST TO CONTRACTOR IS: TBD DTE WORK ORDER#: TBD

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:

| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION |
|-----|------|------|-------------|-----|------|------|-------------|
| | | | | | | | |



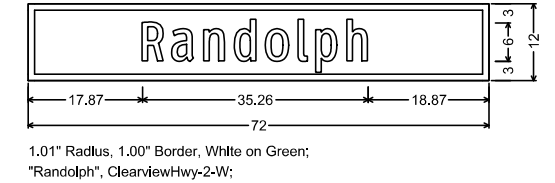
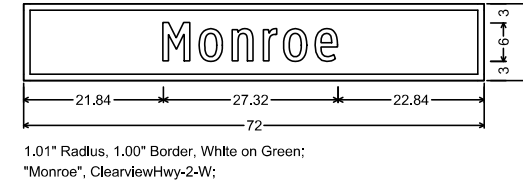
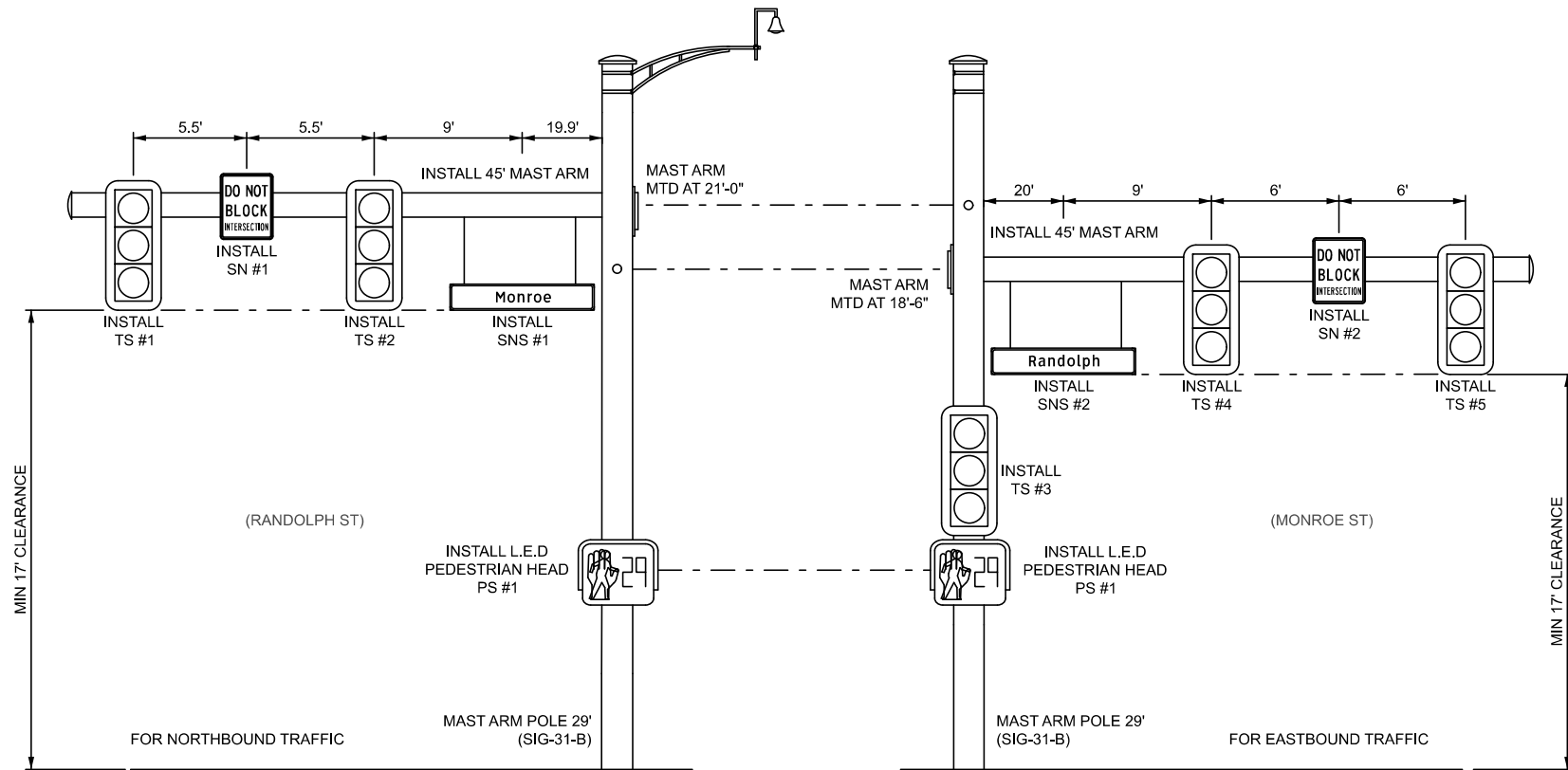
DATE: 03/15/24
DESIGN UNIT: DETROIT
FILE: DETR0062_8207201005_SIG002.dgn
TSC:

CS:
JN: PW-7058

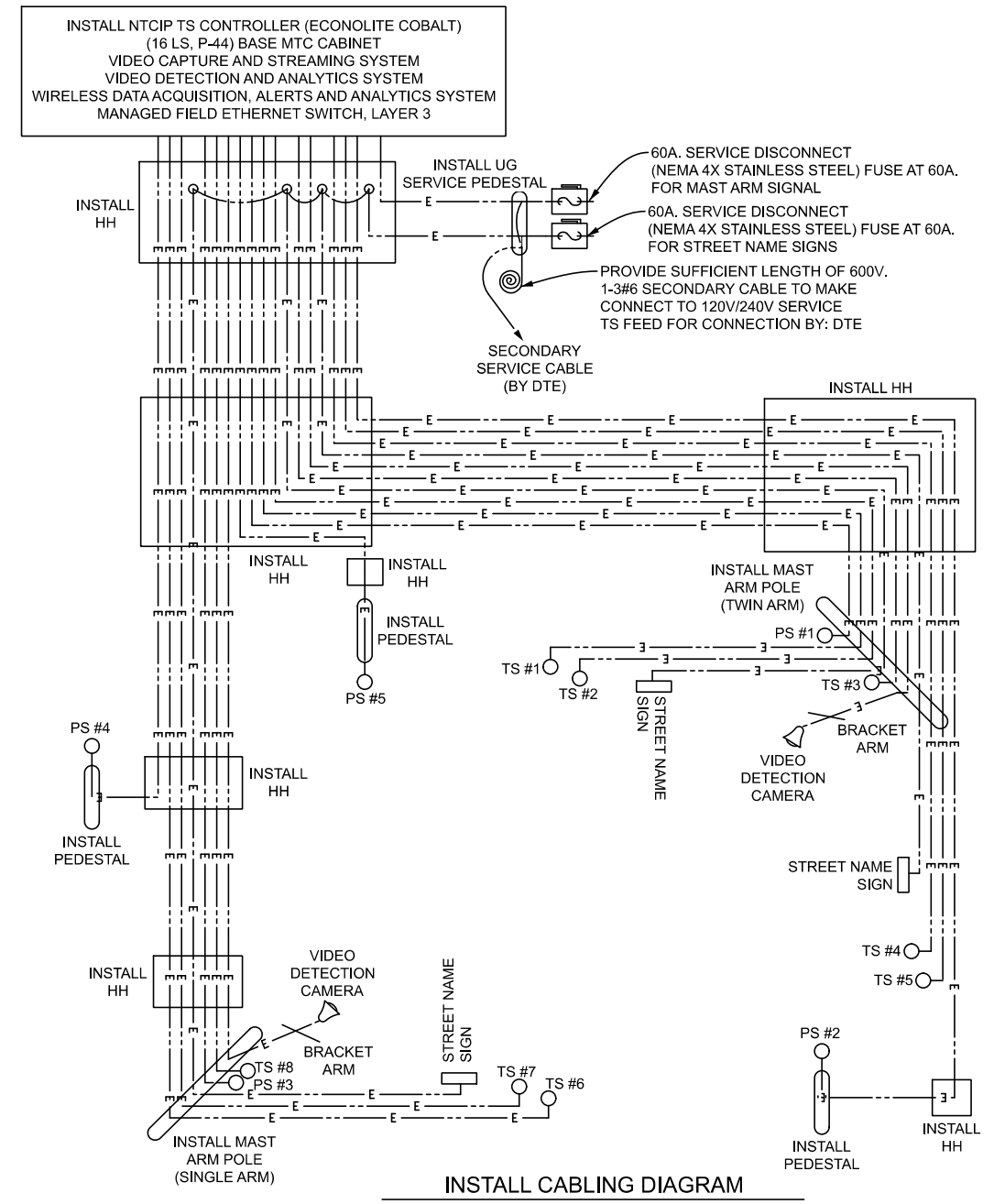
TRAFFIC SIGNAL SHEET - CONSTRUCTION
RANDOLPH ST AT MONROE ST
CITY OF DETROIT, WAYNE COUNTY

DRAWING SHEET
RAND SIG 017
SECT 1

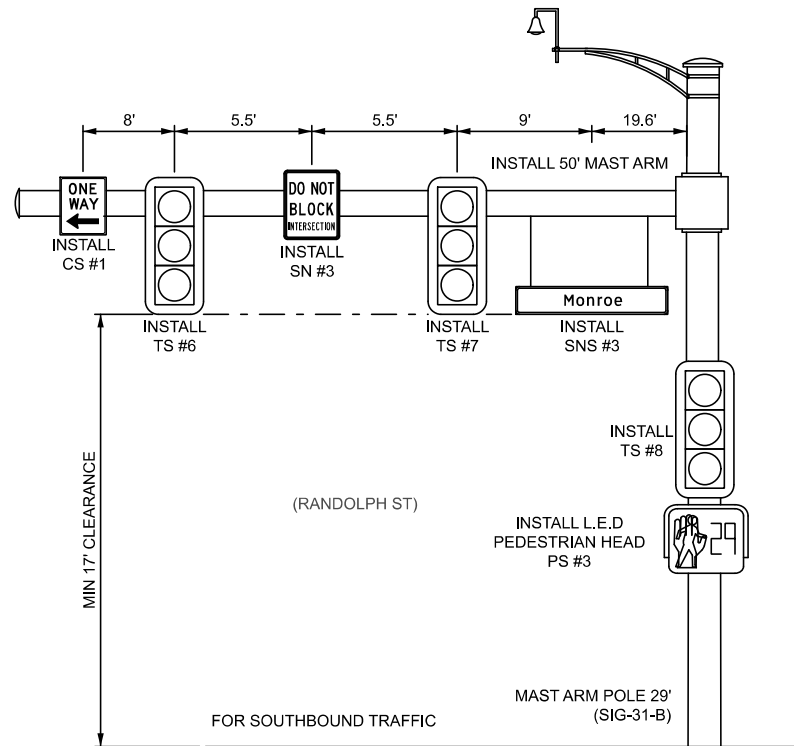
NORTHEAST QUADRANT MAST ARM POLE - NOT TO SCALE



STREET NAME SIGN, TWO WAY, LED, 6 FOOT SPECIAL DETAIL



SOUTHWEST QUADRANT MAST ARM POLE - NOT TO SCALE





- CABLES TO BE USED UNLESS SPECIFIED OTHERWISE**
- 1W-3C TRAFFIC SIGNAL CABLES ARE 5/C#16 PJ.
 - 1W-4C TRAFFIC SIGNAL CABLES ARE 7/C#16 PJ.
 - PEDESTRIAN SIGNALS CABLES ARE 7/C#16 PJ.
 - CABLE TO VIDEO CAMERAS TO BE SHIELDED 600V CAT 5e OR APPROVED EQUAL.
 - TWO-WAY LED-ILLUMINATED STREET NAME SIGNS ARE 4/C#14 PJ.
 - LED CASE SIGN CABLES ARE 7/C#16 PJ.
 - LIGHTNING PROTECTION IS LPI CLASS II COPPER DOWN CONDUIT TO HANDHOLE.
 - ELECTRICAL SERVICE CABLES ARE 3/C#6 PJ WITH #6 GROUND.

| Location | Core ID | Thickness of Asphalt (inches) | Thickness of Concrete (inches) | Aggregate Base Layer (inches) | Sand Subbase Layer (inches) | Station | Offset |
|--------------|---------|-------------------------------|--------------------------------|-------------------------------|-----------------------------|------------|------------|
| Randolph St. | PC 1 | 3.0 | 10.0 | - | 8.0 | 220+04.35 | 19.19' LT |
| Randolph St. | LOC 2* | 3.0 | 9.0 | n/a | n/a | 221+38.60 | 20.54' LT |
| Randolph St. | PC 3 | 3.0 | 10.0 | 3.0 | - | 216+27.62 | 17.90' LT |
| Randolph St. | PC 4 | 4.0 | 11.0 | - | 12.0 | 218+06.22 | 11.69' RT |
| Randolph St. | PC 5 | 1.5 | 13.0 | - | 10.0 | 214+82.90 | 22.28' RT |
| Randolph St. | PC 6** | 4.0 | 10.0 | n/a | n/a | 213+87.48 | 28.09' LT |
| Randolph St. | PC 7 | 2.5 | 11.0 | 8.0 | - | 211+96.21 | 4.56' RT |
| Cadillac Sq. | PC 8 | 4.0 | - | 10.0 | - | 210+25.19 | 236.77' LT |
| Cadillac Sq. | PC 9 | 6.5 | 7.0 | - | - | 209+43.97 | 76.42' LT |
| Cadillac Sq. | PC 10 | 8.0 | 3.0 | 10.0 | - | 209+26.36 | 155.69' LT |
| Randolph St. | PC 11 | 3.5 | 10.0 | - | 10.0 | 209+43.07 | 21.40' LT |
| Randolph St. | PC 12 | 5.0 | 10.5 | - | 12.0 | 209+05.74 | 16.32' RT |
| Randolph St. | PC 13 | 2.5 | 10.5 | - | 10.0 | 206+30.75 | 29.33' LT |
| Randolph St. | PC 14 | 3.0 | 9.0 | - | 12.0 | 207+36.28 | 29.81' RT |
| Randolph St. | PC 15 | 2.5 | 9.0 | - | 12.0 | 203+40.06 | 29.76' LT |
| Randolph St. | PC 16 | 3.5 | 9.5 | - | 12.0 | 2039+40.12 | 29.83' RT |

*Pavement core could not be obtained due to traffic restrictions caused by others

**A basement level was encountered below the roadway as part of the adjacent building

PRELIMINARY
03/15/2024
PLANS SUBJECT TO CHANGE

| | | | | | | | | | | | | | | | | |
|--------------------------------------|------|------|-------------|-----------------|------|------|-------------|---|---|----------|----------------------|--------------------------------|----------------------------------|-------|---------|--------|
| FINAL ROW PLAN REVISIONS | | | | SUBMITTAL DATE: | | | |  |  | NO SCALE | DATE: 03/15/24 | CS: | PAVEMENT CORES | | DRAWING | SHEET |
| NO. | DATE | AUTH | DESCRIPTION | NO. | DATE | AUTH | DESCRIPTION | | | | DESIGN UNIT: DETROIT | JN: PW-7058 | RANDOLPH ST STA 0+00 TO STA 0+00 | | RAND | SECT 1 |
| FILE: DETR0062_Pavement_Core_001.dgn | | | | | | | | | | | TSC: | CADILLAC SQ STA POB TO STA POE | | CORES | | |
| | | | | | | | | | | | | | | 1 | | |