

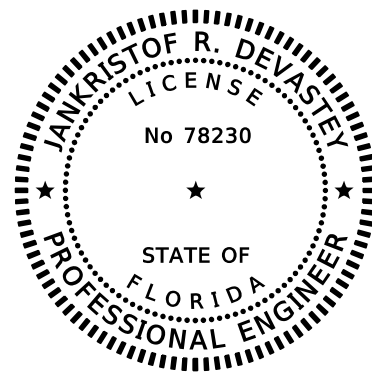
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PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH, SUITE 200
JACKSONVILLE, FL 32224
BENJAMIN M. COMBS, P.E. NO. 83235

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
1	KEYSHEET
2	SIGNATURE SHEET
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30	TEMPORARY TRAFFIC CONTROL NOTES
31 - 32	TTC TYPICAL SECTIONS - ADAMS ST & FORSYTH ST.
33 - 68	TRAFFIC CONTROL DETAIL
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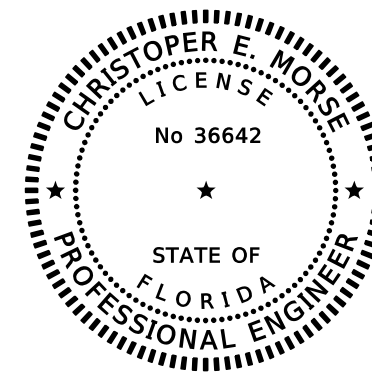
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TOOLE DESIGN
8484 GEORGIA AVENUE, SUITE 800
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JANKRISTOF R. DEVASTEY, P.E. NO. 78230

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SHEET NO.	SHEET DESCRIPTION
70 - 87	SIGNING AND PAVEMENT MARKING PLAN



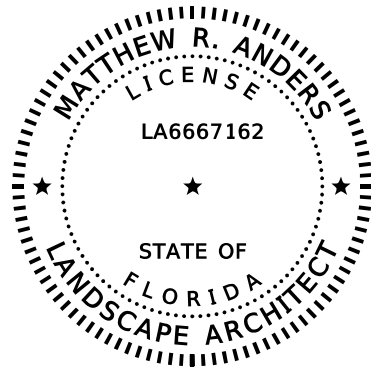
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CIVIL SERVICES, INC.
2394 ST. JOHNS BLUFF RD, S.
JACKSONVILLE, FL 32246
CHRISTOPHER E. MORSE, P.E. NO. 36642

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
122	SIGNAL CONNECTION DETAILS
123	CONCRETE SHAFT FOUNDATION DETAILS
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125	SPECIAL MAST ARM ASSEMBLIES DATA TABLE
126	STANDARD MAST ARM ASSEMBLIES DATA TABLE



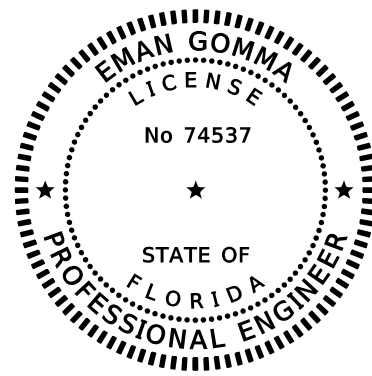
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PROSSER, INC.
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JACKSONVILLE, FL 32224
MATTHEW R. ANDERS, R.L.A. NO. LA6667162

THE ABOVE NAMED REGISTERED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

SHEET NO.	SHEET DESCRIPTION
26	SIDEWALK EXPANSION AREA INTERSECTION PLANTER DETAIL
27	TYPICAL LANDSCAPE PLAN
28	LANDSCAPE DETAILS
29	LANDSCAPE SPECIFICATIONS



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JACKSONVILLE, FL 32224
EMAN GOMMA, P.E. NO. 74537

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
88 - 89	TABULATION OF QUANTITIES
90	SIGNALIZATION NOTES
91 - 116	SIGNALIZATION PLAN
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118 - 121	GUIDESIGN WORKSHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

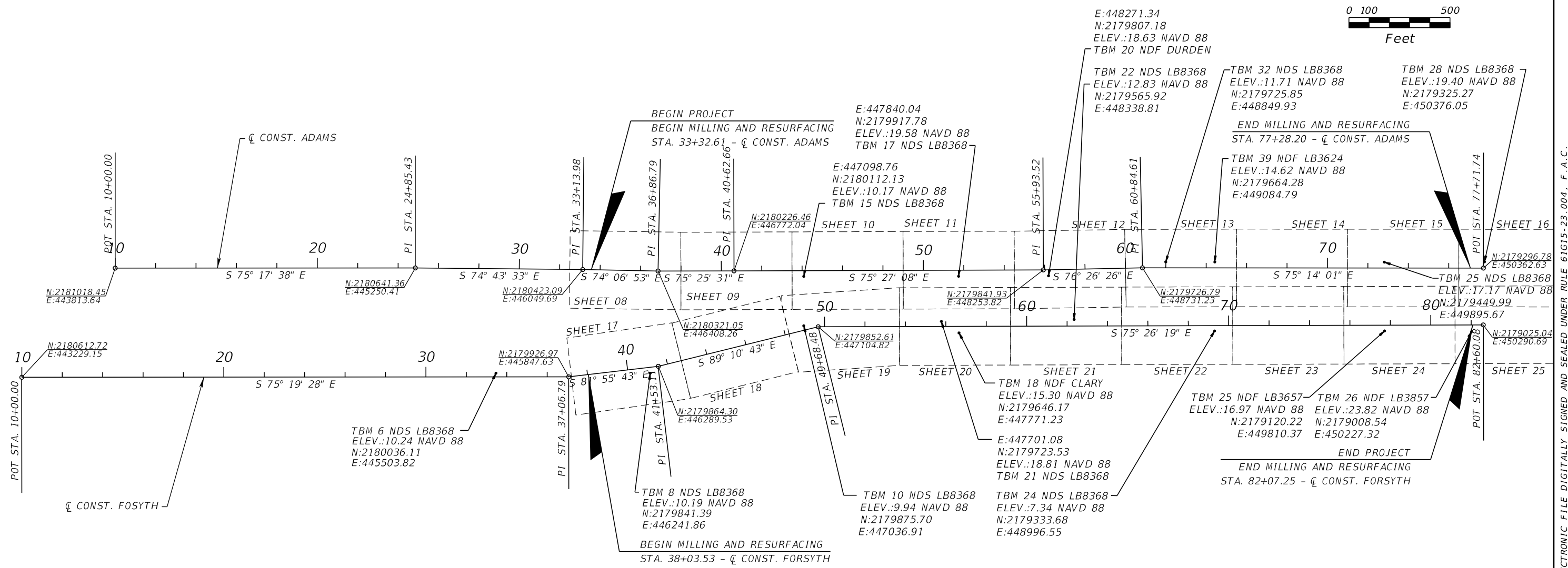
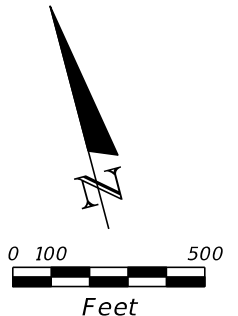
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BENJAMIN M. COMBS, PE PE# 83235
Florida Certificate of Authorization Number: 00004050



CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT


SIGNATURE SHEET

SHEET NO.
2



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 Florida Certificate of Authorization Number: 00004050



CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

PROJECT LAYOUT

SHEET NO.
3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

- Topographic survey was not provided for this project. All survey linework shown in plans is for reference only.
- Prosser Inc., and its associates will not be held responsible for the accuracy of survey or for the design errors or omissions resulting from survey inaccuracies.
- All phases of site work for this project shall meet or exceed the City of Jacksonville site work specifications. Provide continuous access to all residences and all places of business.
- The contractor shall be held solely responsible for and shall take all precautions necessary to avoid property damage to adjacent properties during the construction phases of this project.
- Warranty/Disclaimer: The designs represented in these plans are in accordance with established practices of civil engineering for the design functions. Neither the Engineer nor its personnel can or do warrant these designs or plans as constructed except in the specific cases where the Engineer inspects and controls the physical construction on a contemporary basis at the site.
- For boundary, roadway and building geometry information see engineering site plan. It shall be the Contractor's responsibility to verify that the building dimensions shown on the engineering plan agrees with the dimensions shown on the architectural plan. If any dimensions do not agree, the architect, engineer and owner shall be notified and the dimensions adjusted prior to commencing with construction.
- The contractor shall notify all utility companies prior to construction for verification and location of all utilities.
- Contractor shall furnish shop drawings to Engineer indicating materials and manner of installation of all components of the project prior to purchase of materials and construction.
- These engineering drawings may not show all of the City of Jacksonville standard details required to complete construction of this project. It shall be the contractor's responsibility that the construction, outside City of Jacksonville right of way be in accordance with all current City of Jacksonville Standard Details and Specifications.
- The contractor shall furnish certified "as-builts", see As-Built Requirements on this sheet.
- Contractor shall verify and protect all existing trees and natural vegetation that are to remain undisturbed. The areas indicated for construction shall be cleared and grubbed to remove all roots and miscellaneous vegetation except specific trees that shall be protected from damage during construction with the use of tree barriers.
- All work shall be performed in a safe manner. All safety rules and guidelines of OSHA shall be followed. The Contractor shall be solely responsible for any injuries of his employees, and any damage to private property or persons during the course of this project. All costs associated with complying with OSHA regulations and the Florida Trench Safety Act shall be included in the Contractors bid.
- All improvements shown shall be warranted by the Contractor to the Owner for a period of one-year from the date of acceptance by the owner. If the work is in the City Right-Of-Way or easement, the Contractor's one-year warranty shall extend to the City of Jacksonville.
- The Contractor shall contract with an independent testing laboratory to perform materials testing and soil testing in accordance with the City requirement and the recommendations outlined in the geotechnical report. This shall include density testing in all pavement areas and in the utility trenches located in pavement areas, concrete testing and all other materials testing.
- The Contractor shall be responsible for obtaining all necessary permits and insurance required for the project.
- The Contractor shall provide adequate clearance between all utilities. see JEA plates W-10 and W-11.
- These plans do not stand by themselves. Bid Documents, JEA water and sewer standard details & materials, City of Jacksonville standard specifications & details and any other standards, listed or referenced, are included in the project documents.
- The Contractor shall notify the City of Jacksonville @ 630-1360 a minimum of 24 hours prior to starting construction.

GRADING AND DRAINAGE NOTES:

- Contractor shall verify existing elevations at connection points prior to construction and notify the Engineer of and discrepancies.
- A geotechnical report has been prepared for this project by CSI Geo, Inc. dated August 3, 2022.
- The contractor shall coordinate the grading and drainage construction with all other construction.
- The Contractor shall submit shop drawings to the Engineer and the City, if required, on all materials, for review and approval, prior to purchase or fabrication of any utility pipe or structure.
- All construction and materials shall conform with all City of Jacksonville standards.
- The Contractor shall stake the storm sewer system and the sanitary sewer system and shall notify the Engineer of any conflicts prior to installation of any pipe.
- The existing utility facilities and locations shown on the drawings are taken from readily available information. The actual locations of the utility facilities may vary somewhat from the locations shown and there may be utility facilities existing that are not shown or indicated on the drawings. The Contractor shall contact all agencies with utility facilities in the vicinity of the work and shall locate all underground facilities before beginning work. The contractor shall protect all utility facilities and repair any damages resulting from their work in conformance with the contract documents and specification and relocate if required at no cost to the owner.
- All underground utilities shall be installed prior to preparation of subgrade for pavement.
- Pavement subgrade shall have all unsuitable material removed below subgrade and 2.5 feet beyond back of curb. Backfill with suitable material per the geotechnical report.
- Any unsuitable material encountered shall be removed from the site. The contractor shall be responsible for the removal of all unsuitable material and replacement with structural fill. Excess suitable fill material shall be moved to Owner specified location. See geotechnical report. Planting area subgrade shall have all concrete/debris larger than 3" and all limerock removed down to a minimum depth of 36" from finished grade.
- The Contractor shall be responsible for all subgrade, limerock and asphalt testing as required by the project specifications.
- Stormwater Collection System design is based on the 5-year return frequency storm (Rational Method).
- All RCP pipe shall meet the requirements of ASTM C-76 and shall be Class III, Wall B.
- All labeled pipe lengths are approximate and measured to the center of the structure or mitered end section. Actual lengths may vary and no added compensation will be made for variations.

GRADING AND DRAINAGE NOTES (CONT'D)

- The Contractor shall provide a qualified soils laboratory representative on site during the excavation to determine the suitability of the existing subgrade and existing on-site material prior to beginning any filling operation.
- Contractor shall take all available precautions to control dust. Contractor shall control dust by sprinkling, or by other methods as directed by the Engineer at no additional cost to the owner.
- Contractor to coordinate all work with other utility installations not covered in these plans (Electric, Telephone, Gas, Cable, etc.) and allow for their operations and construction to be performed.
- Cut and fill slopes shall not exceed 4H:1V unless otherwise noted.
- Contractor shall repair or replace in-kind any damage that occurs as a result of his work.
- All soils test reports shall be submitted to the Engineer for review and approval.
- For all trench excavations which exceed five feet (utilities and storm), the following shall be adhered to:
 - Contractor shall follow OSHA Standard 29 CFR, section 1926.650 subpart P, which is now a part of Laws of Florida Chapter 90-96.
 - The Contractor shall provide written assurance of compliance with this law.
 - A separate price item shall be included in their base bid identifying the cost of compliance.
 - A trench safety system shall be designed by the Contractor.
- All areas shown to be filled shall be cleared and grubbed in accordance with City Standards and shall be filled with clean structural fill compacted and tested in accordance with the geotechnical report.
- All debris resulting from all activities shall be disposed of off-site by the Contractor.
- All existing trees to remain shall be protected and preserved.
- The Contractor shall coordinate connection of proposed piping with all existing piping.
- All drainage structures shall be constructed to conform to City requirements and shall be constructed to conform to curbing and low points as shown in the plans.
- Contractor shall ensure that all new and existing drainage structures, pipes, etc. are clean and functioning properly at time of acceptance.
- Burning of trees, brush and other material shall not be permitted on property.
- All inverts in drainage structures to be precast or brick with layer of mortar between each layer of brick, or reddi-mix concrete with #57 stone.
- The Contractor shall restore all culverts, headwalls and storm drain inlets removed or disturbed by the construction operation. The cost of these items shall be included in the price bid for furnishing and installing any new item causing such damage.
- Should the surface or subsurface conditions differ from what is shown in these plans, the Contractor shall immediately contact the Engineer.
- Corrugated Polyethylene Pipe (CPP), shall be per AASHTO M252 or 294 with smooth inner lining Type S with bell and spigot, silt-tight, rubber-gasketed joints.
- Inlet grate sizes shown on plans. All concrete boxes and yard drain structures shall be sized by Contractor.

WATER NOTES

- The Contractor shall obtain all permits required to complete construction.
- Contractor shall coordinate the construction of water facilities with all other construction.
- Contractor shall furnish shop drawings to the Engineer for approval prior to beginning construction and purchasing materials.
- All workmanship and materials shall conform to the latest JEA Standards and Specifications and applicable AWWA Standards.
- The existing utility facilities and locations shown on the drawings are taken from readily available information. The actual locations of the utility facilities may vary somewhat from the locations shown and there may be utility facilities existing that are not shown or indicated on the drawings. The Contractor shall contact all agencies with utility facilities in the vicinity of the work and shall locate all underground facilities before beginning work. The Contractor shall protect all utility facilities and repair any damages resulting from their work in conformance with the contract documents and specifications and relocate if required at no cost to the owner.
- Water lines shall have a minimum of 36" cover from finished grade. Maximum cover shall be 60".
- Water lines are designed to finish grade and shall be protected until finish work is complete.
- All water mains 3" and larger shall be AWWA C900, DR25 PVC. Water mains 3" and smaller shall be Sch. 40 PVC pipe with solvent joints and with NSF-PW approval.
- Restrained joints are required where water mains are terminated and at all bends. In accordance with JEA standard details and specifications.
- All gate valves 2" and larger shall be non-rising stem type and shall be suitable for 200 psi non-shock working pressure. Gate valves shall be mechanical joint, iron body, resilient seat, 2" square operating nut, Mueller or equal. Valve boxes with screw extensions shall be provided for each buried gate valve. Boxes shall be of cast iron construction, 3/8" minimum wall thickness and shall be non-tacky tar enamel coated. The word "water" shall be cast in cover. All gate valves installed shall open by turning to the left (counterclockwise) when viewed from the stem.
- Class B, Type I bedding shall be used for this project unless indicated otherwise on the drawings or directed by the Engineer.
- Unsuitable materials under water pipe shall be removed and replaced with selected backfill properly compacted. The material shall exhibit moisture contents within +/- 2% of the modified proctor optimum moisture content (ASTM D1557) during the compaction operations. Compactions shall continue until densities of at least 95% of the modified proctor maximum dry density (ASTM D1557) have been achieved.
- Backfilling shall be made with clean backfill which shall be thoroughly compacted in 6" lifts. Compaction shall be a minimum 95% of max. density at +/- 2% of the modified proctor.
- Where water mains are laid under ditches, culverts, pipelines, or obstructions without fittings, the maximum deflections of any joint shall not exceed 50% of the maximum recommended by the pipe manufacturer.
- No connection to existing potable water system will be allowed until all proposed water lines have been flushed, pressure tested, disinfected, and cleared for service by the Florida Department of Environmental Protection.
- Contractor shall notify utility company a minimum of two days prior to construction of water mains to existing lines. All new work must be inspected by the Engineer. No tests shall be scheduled for weekends. Any change from the technical requirements must be reviewed and approved by the Engineer and the Owner.

WATER NOTES (CONT'D)

- Hydrostatic and leakage testing of the water mains installed shall be performed in accordance with AWWA standard specifications. A representative of the utility company or the Engineer must be present during the tests. Pressure tests shall be conducted at 150 psi for 2 hours for water mains and 200 psi for 2 hours for fire mains. Pressure test after limerock is installed.
- The Contractor shall coordinate all water main flushing with JEA Utility Department. Flushing and disinfection procedures shall comply with AWWA C-651 for main disinfection.
- Upon completion of water main flushing, bacteriological samples shall be taken. Samples shall be taken for 2 consecutive days.
- Sample points for bacteriological sampling shall be located as follows:
 - Every 1000 feet and/or every dead end on a water main.
 - Point of tie-in to existing water system.
 - Water main stubs more than 40 feet in length.
- Fire hydrants shall meet JEA standards.
- New or relocated, underground water mains included in this project shall be laid to provide a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed vacuum-type sanitary sewer, storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.; a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer (or a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer if the bottom of the water main will be laid at least six inches above the top of the sewer); a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C. and a horizontal distance of at least ten feet between the outside of the water main and all parts of any existing or proposed "on-site sewage treatment and disposal system." [FAC 62-555.314(1); exceptions allowed under FAC 62-555.314(5)]
- New or relocated, underground water mains that are included in this project and that will cross any existing or proposed gravity- or vacuum-type sanitary sewer or storm sewer shall be laid so the outside of the water main is at least six inches above the other pipeline or at least 12 inches below the other pipeline; and new or relocated, underground water mains that are included in this project and that will cross any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water shall be laid so the outside of the water main is at least 12 inches above or below the other pipeline. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]
- At the utility crossings described in Part II.C.1.w, above, one full length of water pipe shall be centered above or below the other pipelines so the water main joints will be as far as possible from the other pipeline or the pipes will be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, storm sewers, stormwater force mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least six feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]
- All water and sewer construction shall be accomplished by an underground utility contractor licensed under the provisions of Chapter 489 Florida Statutes.
- All water mains shall terminate approximately 5 feet outside the building unless otherwise noted. The end of these service lines shall be tightly plugged or capped and marked until such time as connection is made inside the building.
- The contractor shall make application to utility company for the project water meter and shall pay for all meter fees.
- The contractor shall be responsible to provide mitigating construction measures in all cases where a minimum of 18 inches of vertical clearance between water and sewer (including storm) lines is not possible.
- The contractor shall be responsible for providing water for construction use during entire course of project if necessary.
- Pressure pipe and fittings requiring restraint shall be braced with restrained joints per JEA Standards
- If dewatering capacity requires a consumptive use permit it shall be the Contractor's responsibility to obtain the permit through the St. Johns River Water Management District.
- If solvent contamination is found in the pipe trench, work shall be stopped and the proper authorities notified. With approval of the permitting agency, ductile iron pipe, fittings, and solvent resistant gasket material such as fluorocarbon shall be used in the contaminated area. The ductile iron pipe shall extend at least 100 feet beyond any solvent noted. Any contaminated soil that is excavated shall be placed on an impermeable mat and covered with a waterproof covering. The proper authorities shall be notified and the contaminated soil held for proper disposal.

AS-BUILT REQUIREMENTS

- Contractor shall provide complete as-built information to the Engineer in accordance with the following requirements:
- As-built drawings shall be prepared in AutoCAD format by a registered land surveyor. One set of signed and sealed prints and a set of computer disks containing project AutoCAD files and PDF's of the prints shall be submitted to the Engineer for review and approval. Additional signed and sealed prints shall be provided to the Engineer as requested.
 - As-built drawings shall be in accordance with all authorities having jurisdiction. Contractor shall coordinate as-built submittals and approvals with jurisdictional agencies unless otherwise directed by the Engineer.
 - Provide building locations, finish floor elevations, pavement grades and all underground facilities.
 - Provide perimeter dimensions at top of bank and at bottom of pond.
 - Provide elevations at top of bank and bottom of pond.
 - Provide special detail drawings where installations were not as shown on contract drawings due to field conditions or where required for clarity.
 - Provide location, elevation and description of benchmark(s).
 - Locate and provide elevations of all structures. Location of all structures shall be from two (2) directions and include northing/easting coordinates at center of structure.
 - Locate all pipes and provide size, elevation, invert elevations, length and type.
 - Provide dimensions and elevations of the pond outfall structure(s).
 - Water as-builts shall indicate the location of bacteriological sample points.
 - The as-builts shall include a detail of every crossing of the new water main with gravity sewers, force mains and storm pipes clearly shown & indicating the vertical clearances at each crossing. Details shall be furnished for parallel runs where the horizontal separation is less than 10 feet.
 - The centering of uncut lengths of pipe at points of crossing shall be documented on the as-builts and all mitigating construction measures clearly depicted in cases where a minimum of 18" of vertical clearance between the water and sewer (including storm) lines is not possible.

FDOT GENERAL NOTES

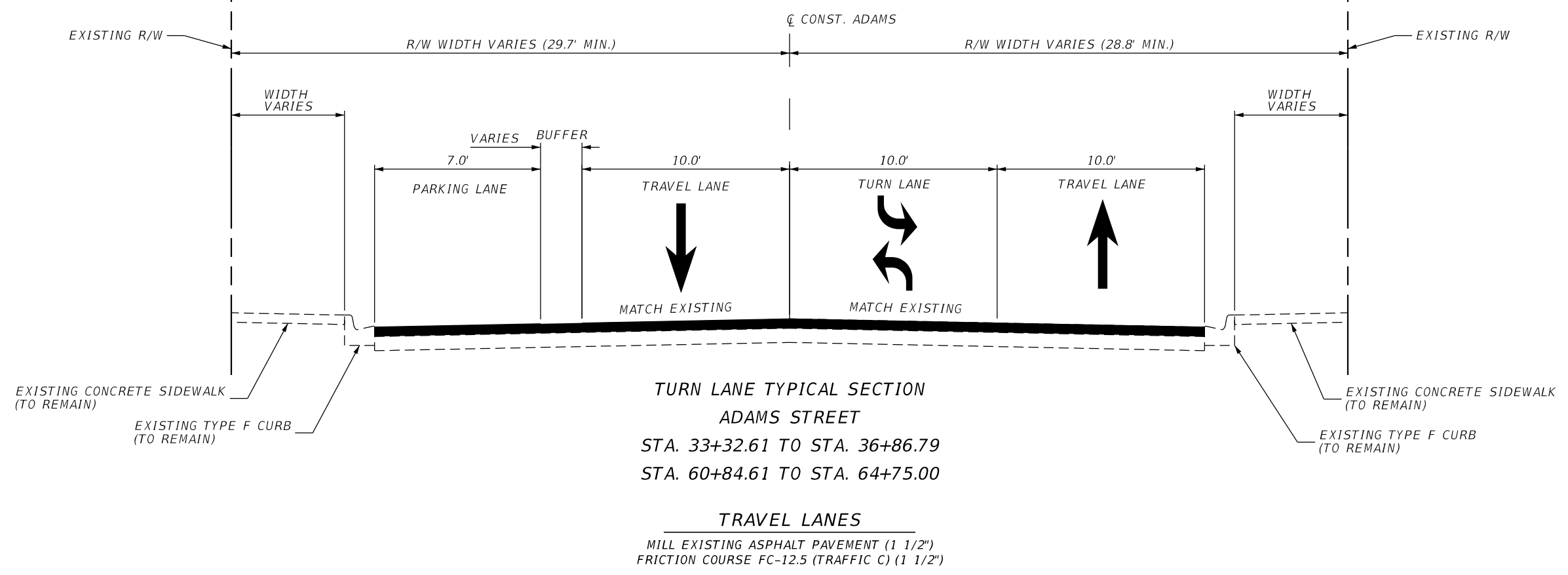
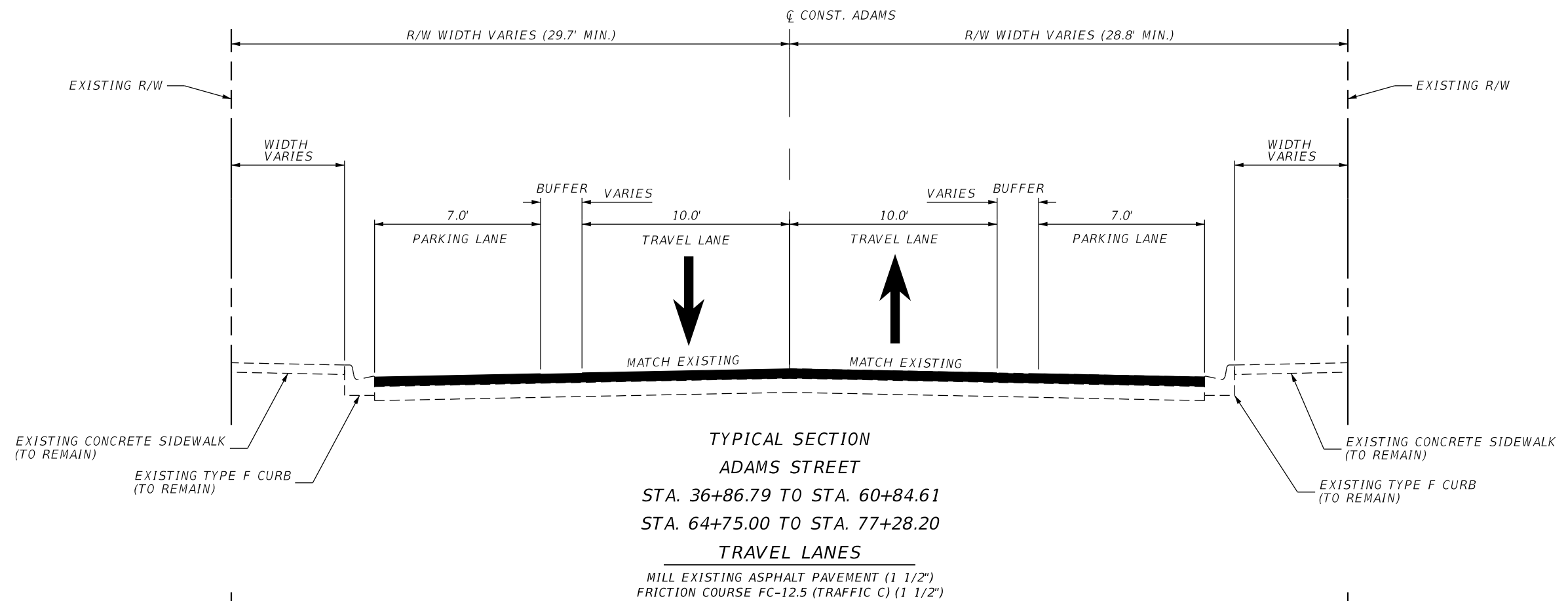
- All work performed within the Florida Department of Transportation (FDOT) right of way (ROW) shall conform to the most current edition of the following publications: Standard Specifications for Road and Bridge Construction (English), FDOT Standards Index (English), FDOT Plans Prep Manual, FDOT Flexible Pavement Design Manual for New Construction and Pavement Rehabilitation.
 - Should a conflict arise between the details shown in the plans and the FDOT Standards the Engineer/Permittee shall immediately confer with the FDOT's Engineer in order to resolve the discrepancy. In no case will anything less than the FDOT's minimum standard be allowed.
 - All traffic striping and markings are to be lead-free, non-solvent based thermoplastic.
 - Removal of existing striping shall be accomplished using the "hydro-blast" method. If this process damages/ scars pavement, then the pavement shall be milled and resurfaced per FDOT Standards.
 - Existing paved shoulder shall be removed full depth prior to widening of the roadway.
 - All curb and gutter and sidewalk will be removed and replaced joint to joint.
 - Temporary stabilize sidewalk at end of work day and reopen. Permanent repair within 7 days. Sidewalk replacement from joint to joint.
 - All disturbed area with the FDOT ROW will be restored to original or better condition by grading and sodding the area disturbed (Bermuda in rural, centipede in utility strips).
 - Burning of material and/or debris is prohibited within FDOT ROW.
 - All lanes must be opened for traffic during an evacuation notice of a hurricane or other catastrophic events and shall remain open for the duration of the evacuation or event.
- CITY OF JACKSONVILLE PAVEMENT MARKING STANDARDS**
- Pavement markings should be placed as shown on the plans and detail sheets.
 - Any required temporary markings must be in place before opening lanes of traffic.
 - The removal of existing pavement markings will be considered an incidental item with no additional compensation provided.
 - All permanent pavement markings shall be extruded thermoplastic and meet current City of Jacksonville specifications and or FDOT Standard Specifications, latest edition.
 - Thermoplastic pavement markings are to be placed no sooner than 30 calendar days after the completion of the final pavement layer.
 - A bituminous reflective pavement marker (RPM) adhesive meeting current City of Jacksonville and or FDOT Specifications shall be used on asphalt roadways.
 - The contractor shall use CLASS - B reflective pavement markers (RPMS) installed to meet current City of Jacksonville Specifications and or FDOT Standard Specifications.
 - Reflective pavement markers that do not conflict with permanent (Thermoplastic) markings shall be placed on all final asphaltic concrete surfaces immediately after the temporary permanent striping is in place.
 - Pavement markings removal:
 - Paint blackout method of pavement markings removal is not acceptable.
 - Grinding or hydro blast methods shall be used on weathered asphalt surfaces.
 - Removal on new asphalt surfaces shall be by hydro blast method only.
 - The contractor SHALL contact the Pavement Marking Inspector (904-255-7550) 24 hours prior to installing any pavement markings on any City of Jacksonville roadway or street.
 - In the event of a conflict between the City of Jacksonville Specifications and the FDOT Specifications, the City of Jacksonville Specifications will prevail.

UTILITY CONTACTS		
A.	American Telephone and Telegraph	1-800-222-0400
B.	City of Jacksonville, Public Works Dept.	255-8748
C.	City of Jacksonville, ROW Ground Maintenance	472-2900
D.	City of Jacksonville, Traffic Engineering Dept.	255-7533
E.	JEAs Distribution Projects	655-6050
F.	Florida Department of Transportation	360-5200
G.	JEAs Collection and Distribution	665-6000
H.	JEAs General Information	665-6000
I.	JEAs Groundworks/Community Outreach	665-6000
J.	JEAs Power Outages	665-6000
K.	JEAs Sewer Problems	665-6000
L.	JEAs Water Problems	665-6000
M.	Mobile Gas	733-9533
N.	TECO Peoples Gas	739-1211
O.	Sunshine One Call	1-800-432-4770

Always call 811 two full business days before you dig to have underground utilities located and marked.


Sunshine811.com

REVISIONS				SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	
				<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>PROSSER Creative Visionaries, Engineering Minds 13901 Sutton Park Drive South, Suite 200 Jacksonville, Florida 32224-0228 P: 904.739.3655 F: 904.730.3413 www.prosserinc.com</p> </div> <div style="text-align: center;">  <p>CITY OF JACKSONVILLE PUBLIC WORKS DEPARTMENT</p> </div> <div style="text-align: center;"> <p>GENERAL NOTES</p> </div> </div>



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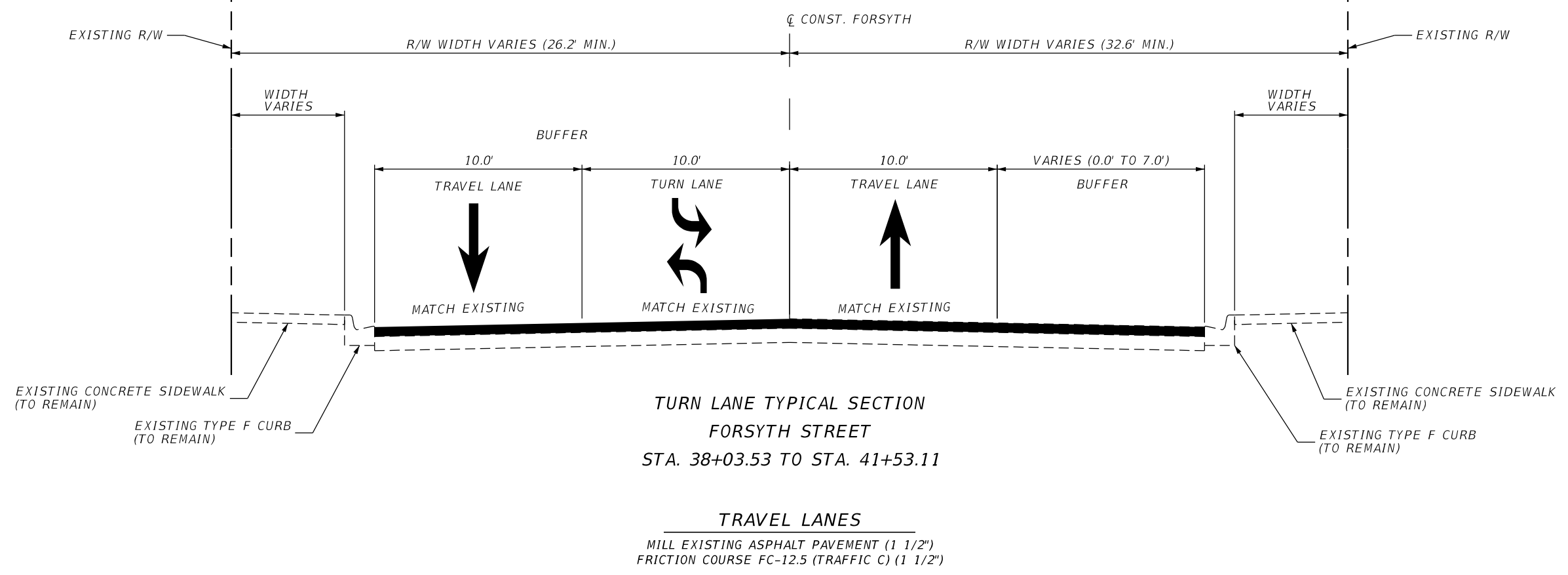
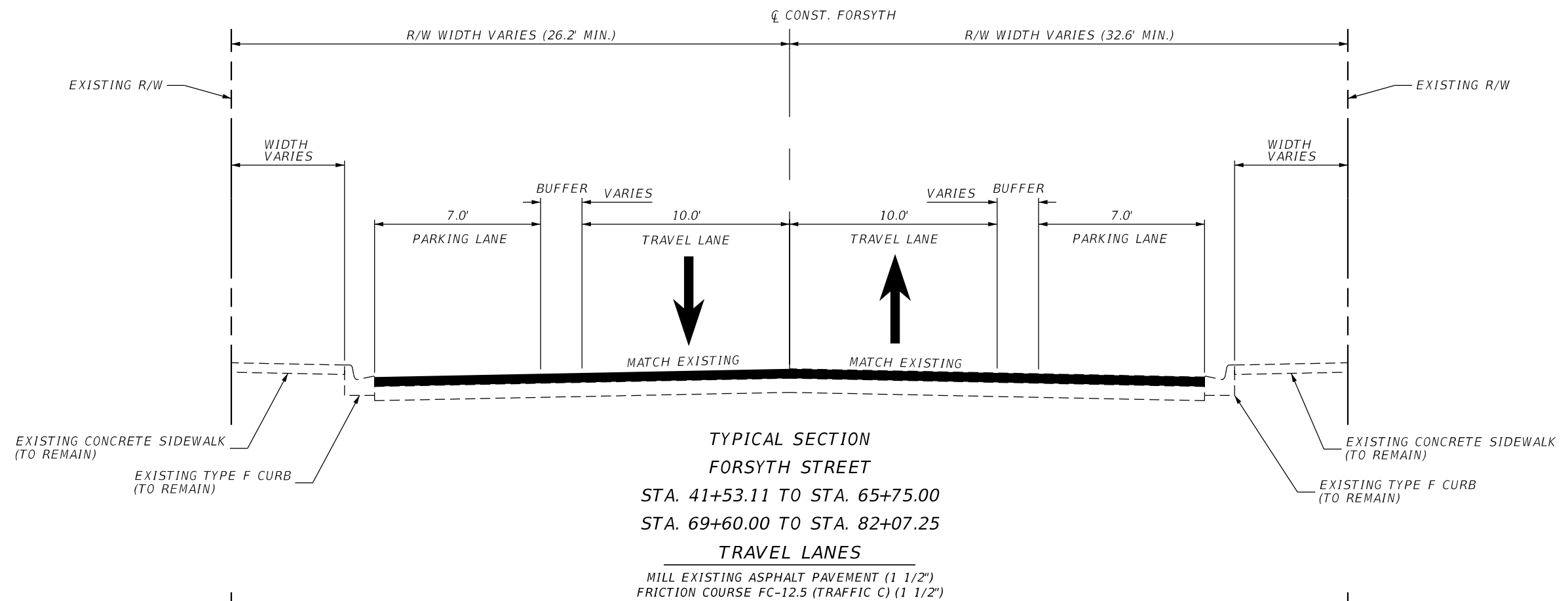
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 Florida Certificate of Authorization Number: 00004050


CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

TYPICAL SECTIONS


SHEET NO.
5

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 BENJAMIN M. COMBS, PE PE# 83235
 Florida Certificate of Authorization Number: 00004050

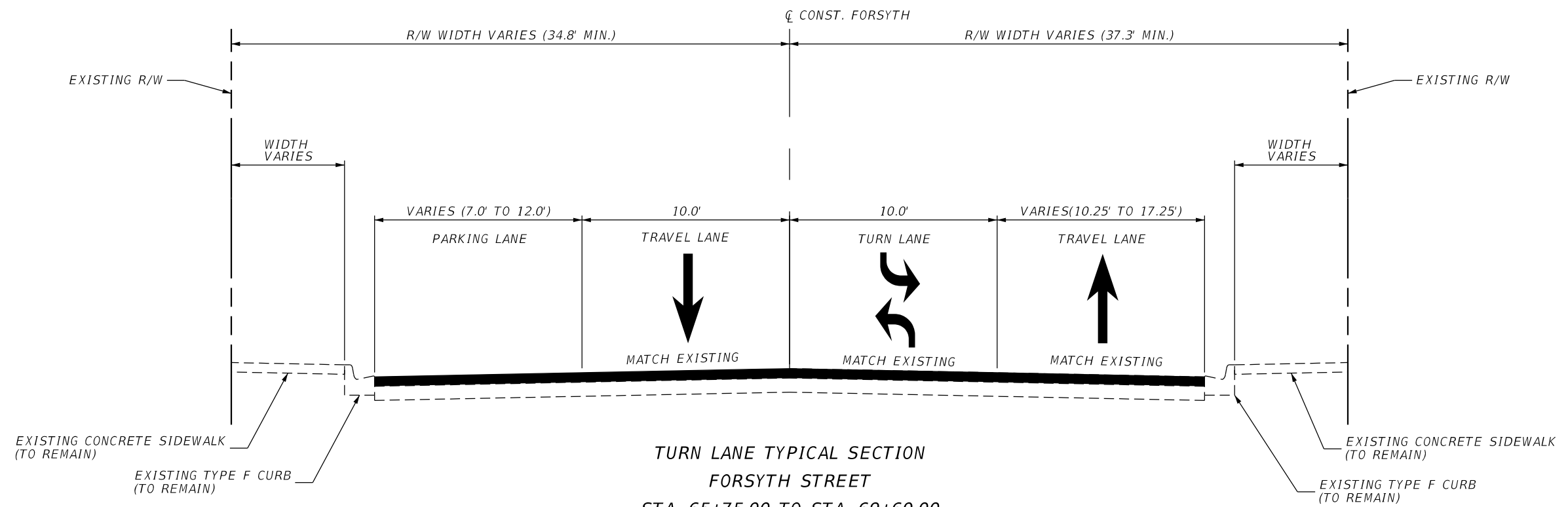


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TYPICAL SECTIONS

SHEET NO.
6

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TURN LANE TYPICAL SECTION
FORSYTH STREET
STA. 65+75.00 TO STA. 69+60.00

TRAVEL LANES
 MILL EXISTING ASPHALT PAVEMENT (1 1/2")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

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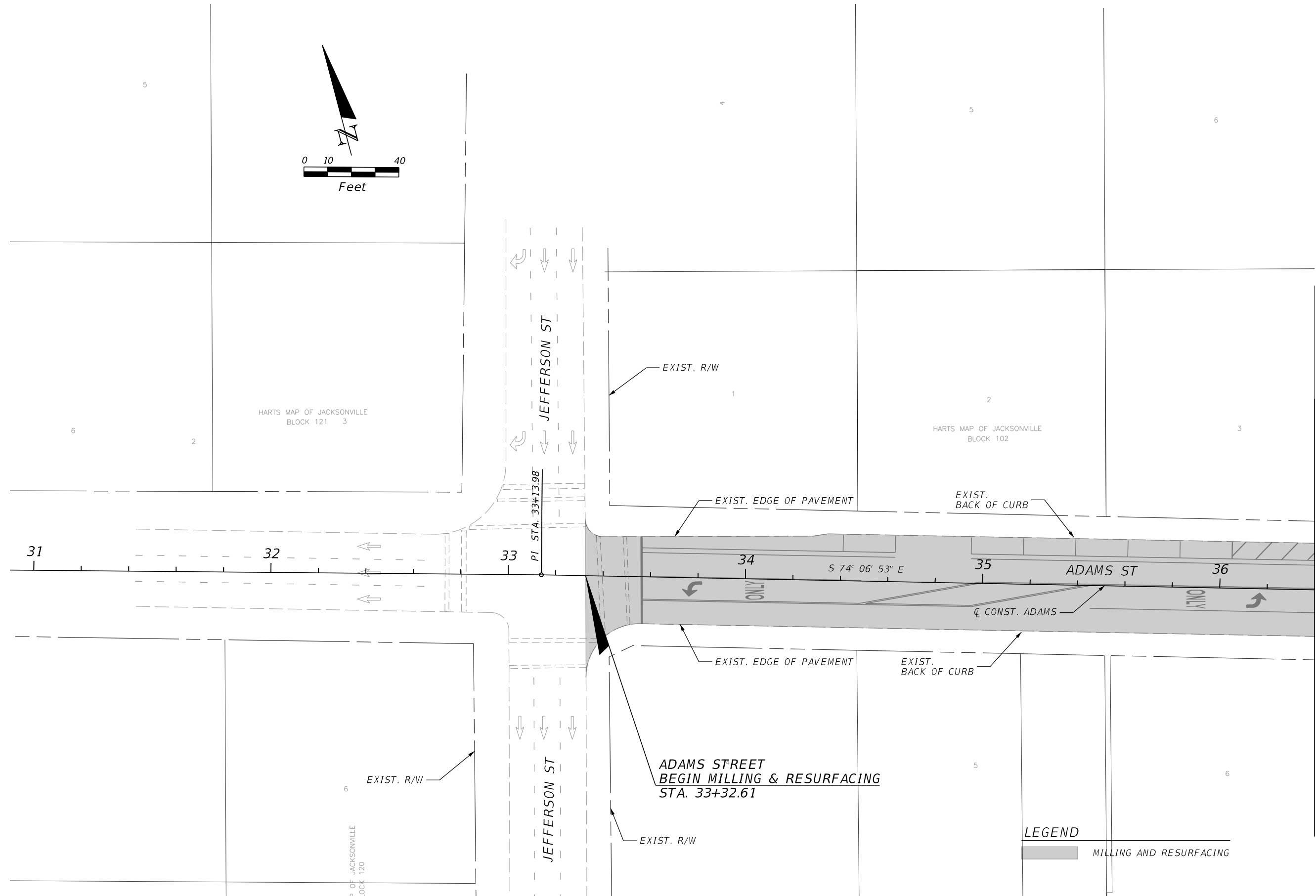
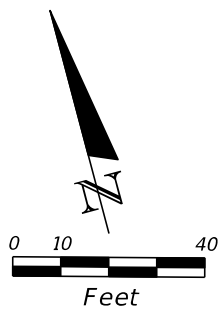


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 PUBLIC WORKS DEPARTMENT

TYPICAL SECTIONS

SHEET NO.
7

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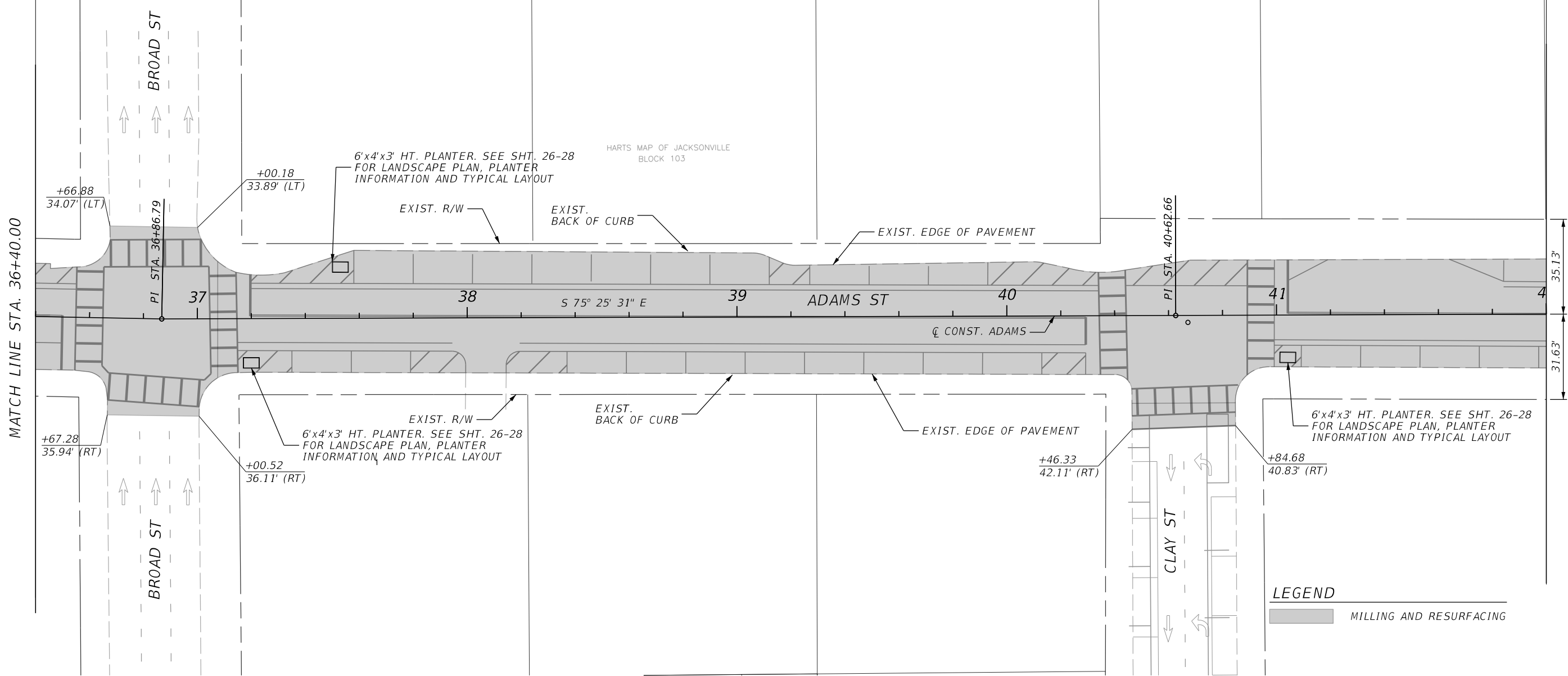
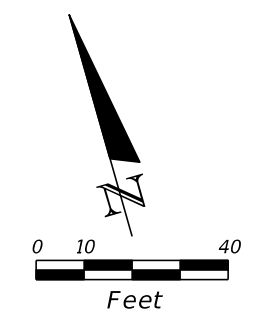


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 PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

SHEET NO.
 8

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MATCH LINE STA. 36+40.00

MATCH LINE STA. 42+00.00

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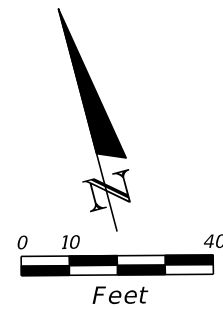


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

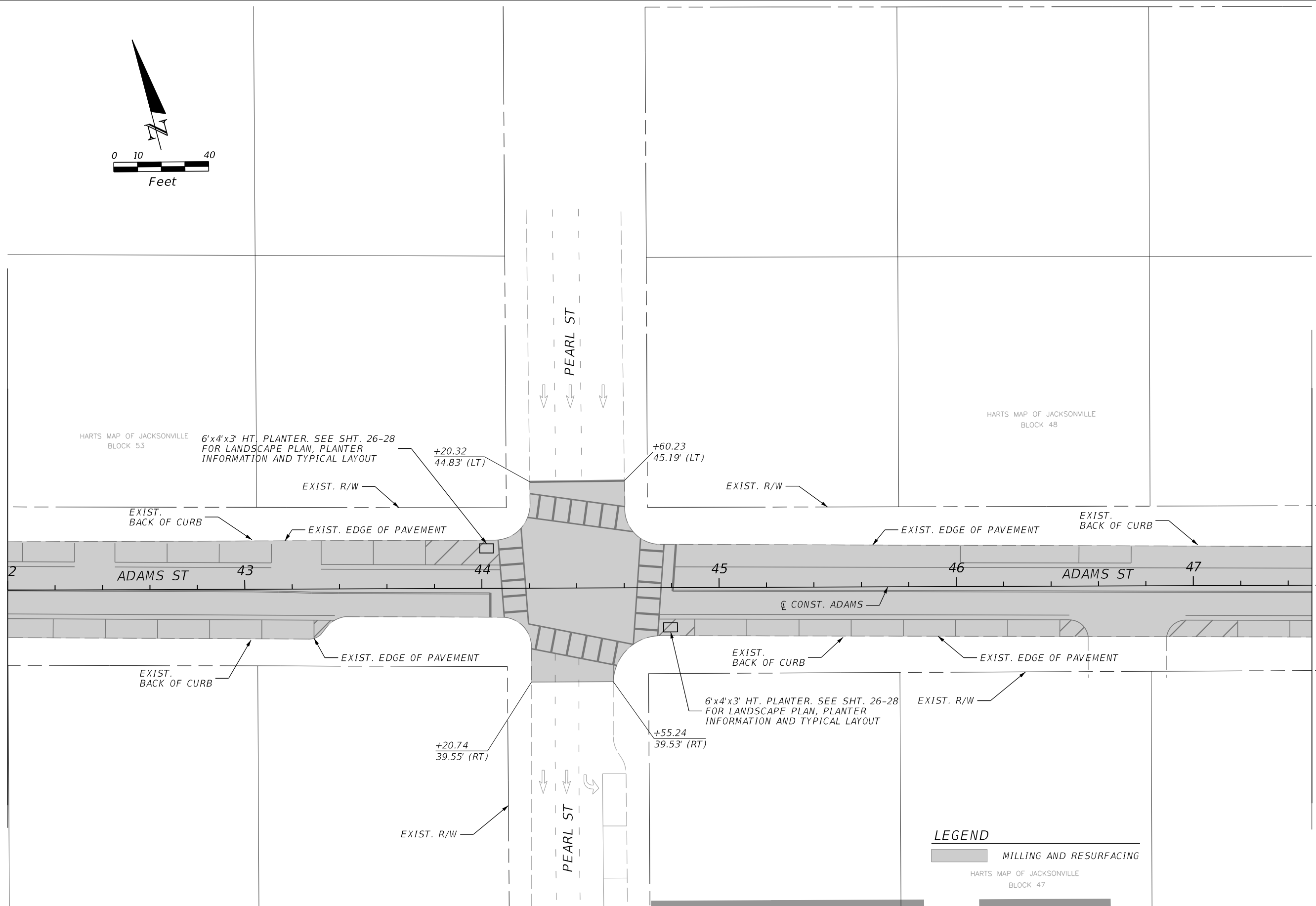
SHEET NO.
 9

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MATCH LINE STA. 42+00.00

MATCH LINE STA. 47+50.00



LEGEND

MILLING AND RESURFACING

HARTS MAP OF JACKSONVILLE BLOCK 47

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

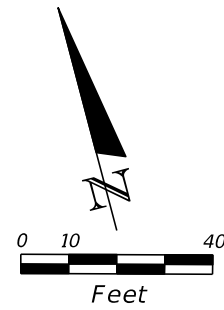
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CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

SHEET NO.
10

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HARTS MAP OF JACKSONVILLE
BLOCK 43

**ADAMS STREET
END MILLING & RESURFACING
STA. 51+67.24**

**ADAMS STREET
BEGIN MILLING & RESURFACING
STA. 52+19.14**

LEGEND

 MILLING AND RESURFACING

JF JACKSONVILLE
OCK #42
ESMT ORB 13819, PG. 2390

MATCH LINE STA. 47+50.00

MATCH LINE STA. 53+00.00

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

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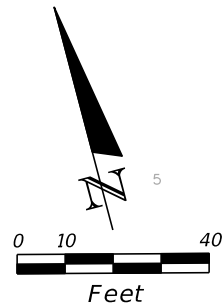


CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

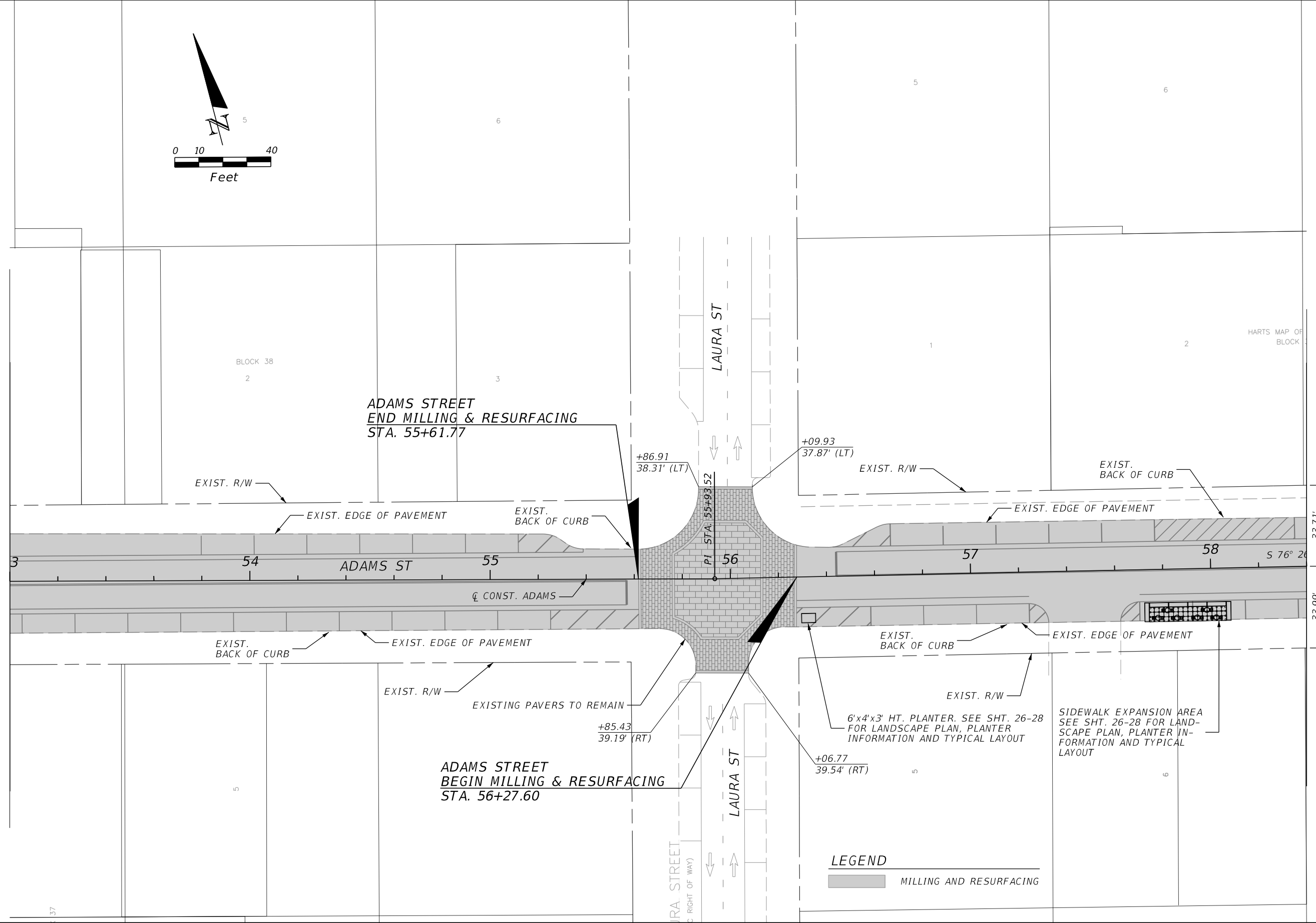
SHEET NO.

11



MATCH LINE STA. 53+00.00

MATCH LINE STA. 58+40.00



**ADAMS STREET
END MILLING & RESURFACING
STA. 55+61.77**

**ADAMS STREET
BEGIN MILLING & RESURFACING
STA. 56+27.60**

LEGEND
 MILLING AND RESURFACING

SIDEWALK EXPANSION AREA
SEE SHT. 26-28 FOR LAND-
SCAPE PLAN, PLANTER IN-
FORMATION AND TYPICAL
LAYOUT

6'x4'x3' HT. PLANTER. SEE SHT. 26-28
FOR LANDSCAPE PLAN, PLANTER
INFORMATION AND TYPICAL LAYOUT

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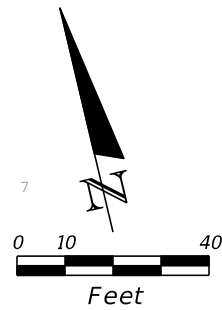


CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

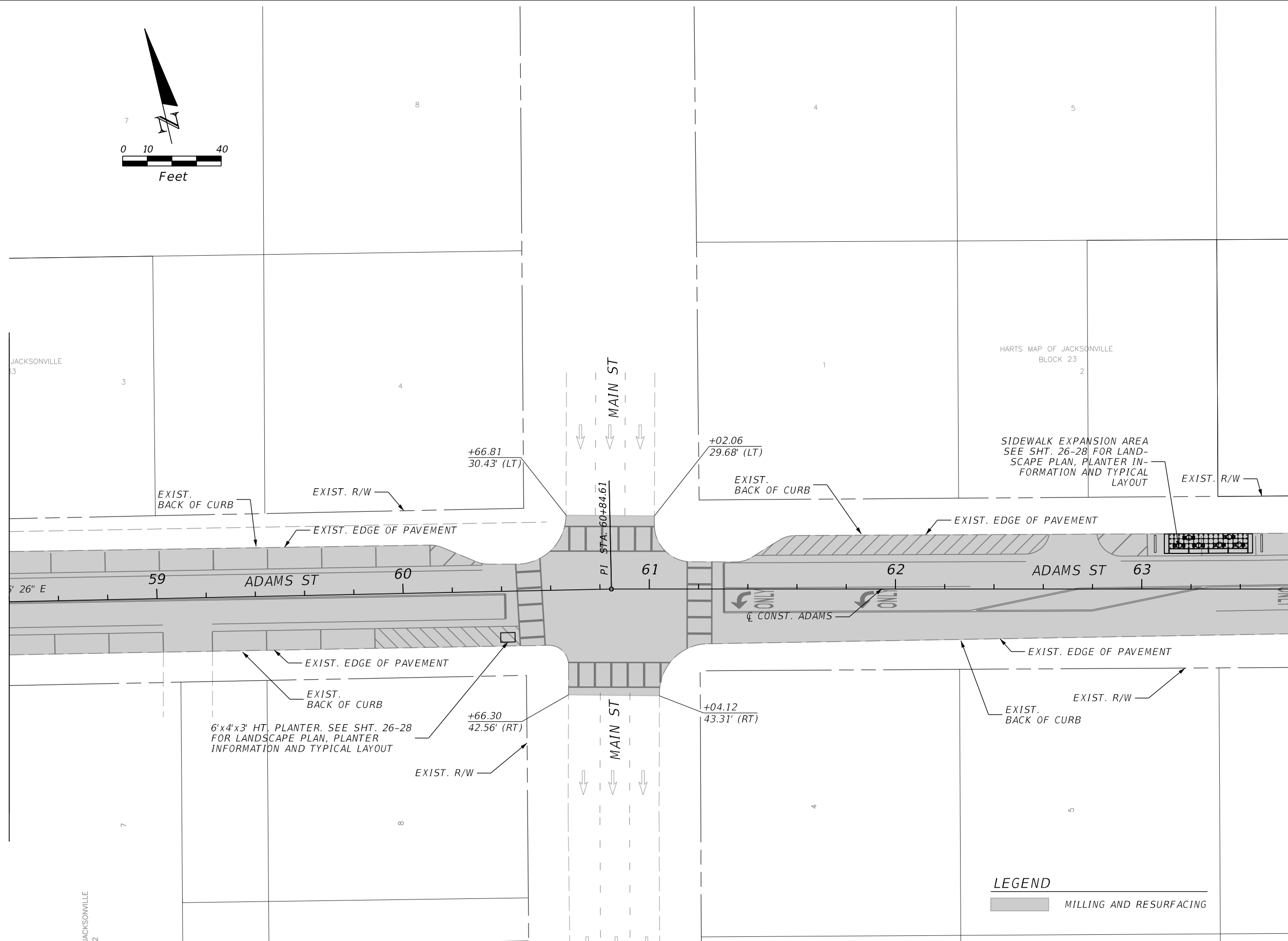
SHEET NO.
12

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MATCH LINE STA. 58+40.00

MATCH LINE STA. 63+60.00



LEGEND
 MILLING AND RESURFACING

REVISIONS			
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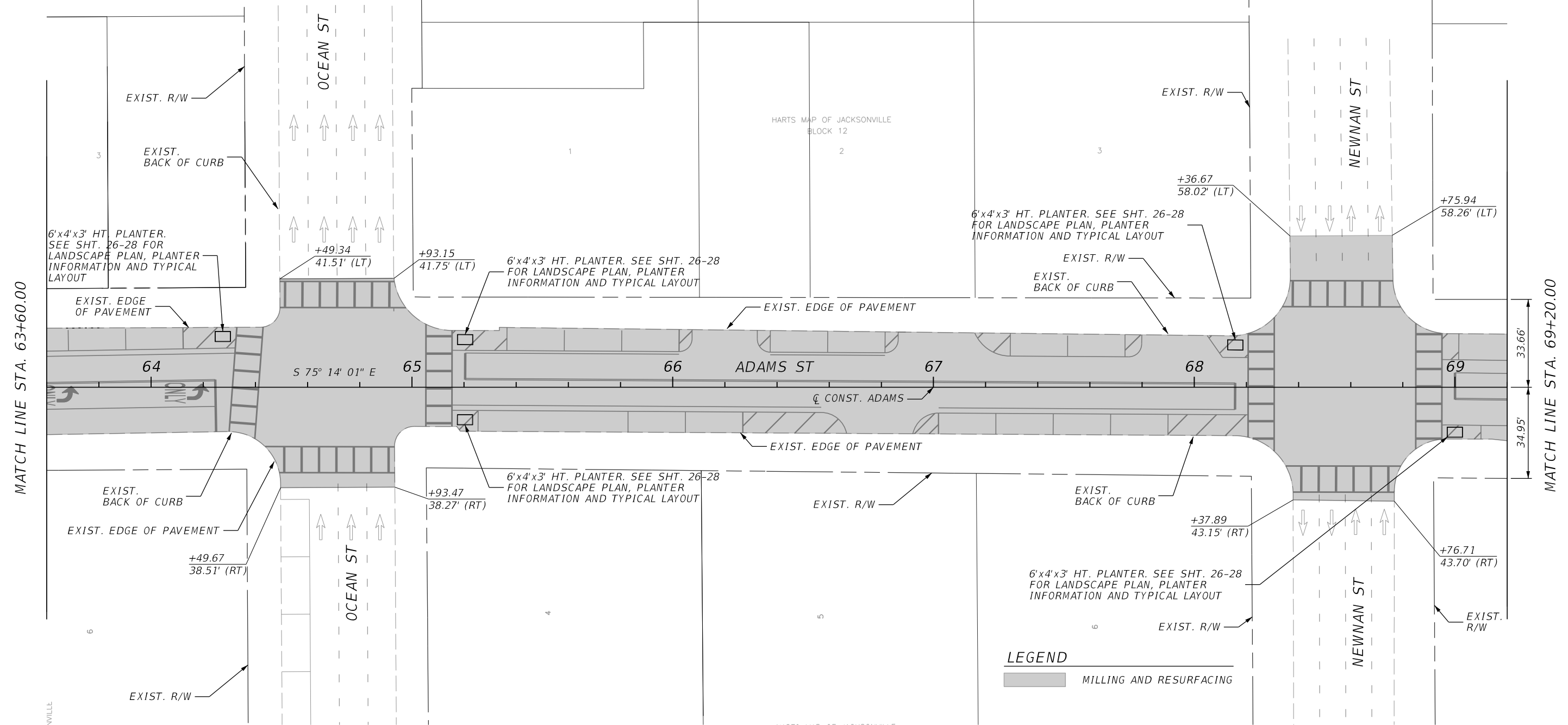
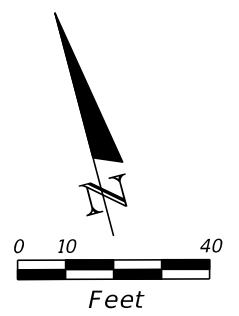


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

SHEET NO.
13


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LEGEND
 [Shaded Box] MILLING AND RESURFACING

REVISIONS			
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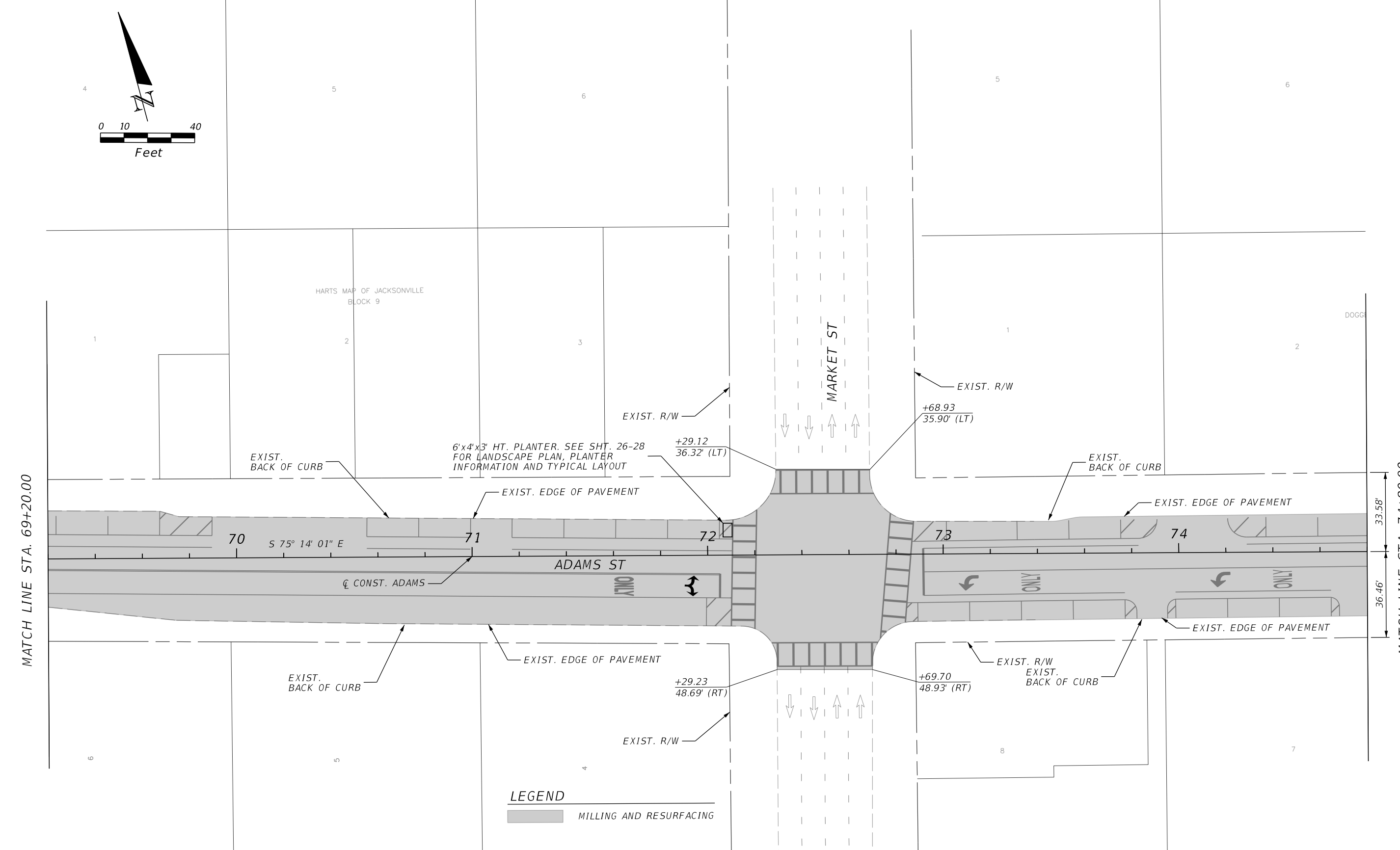
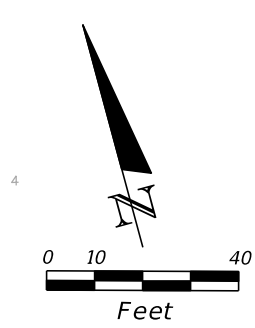


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

SHEET NO.
 14

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LEGEND
 MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

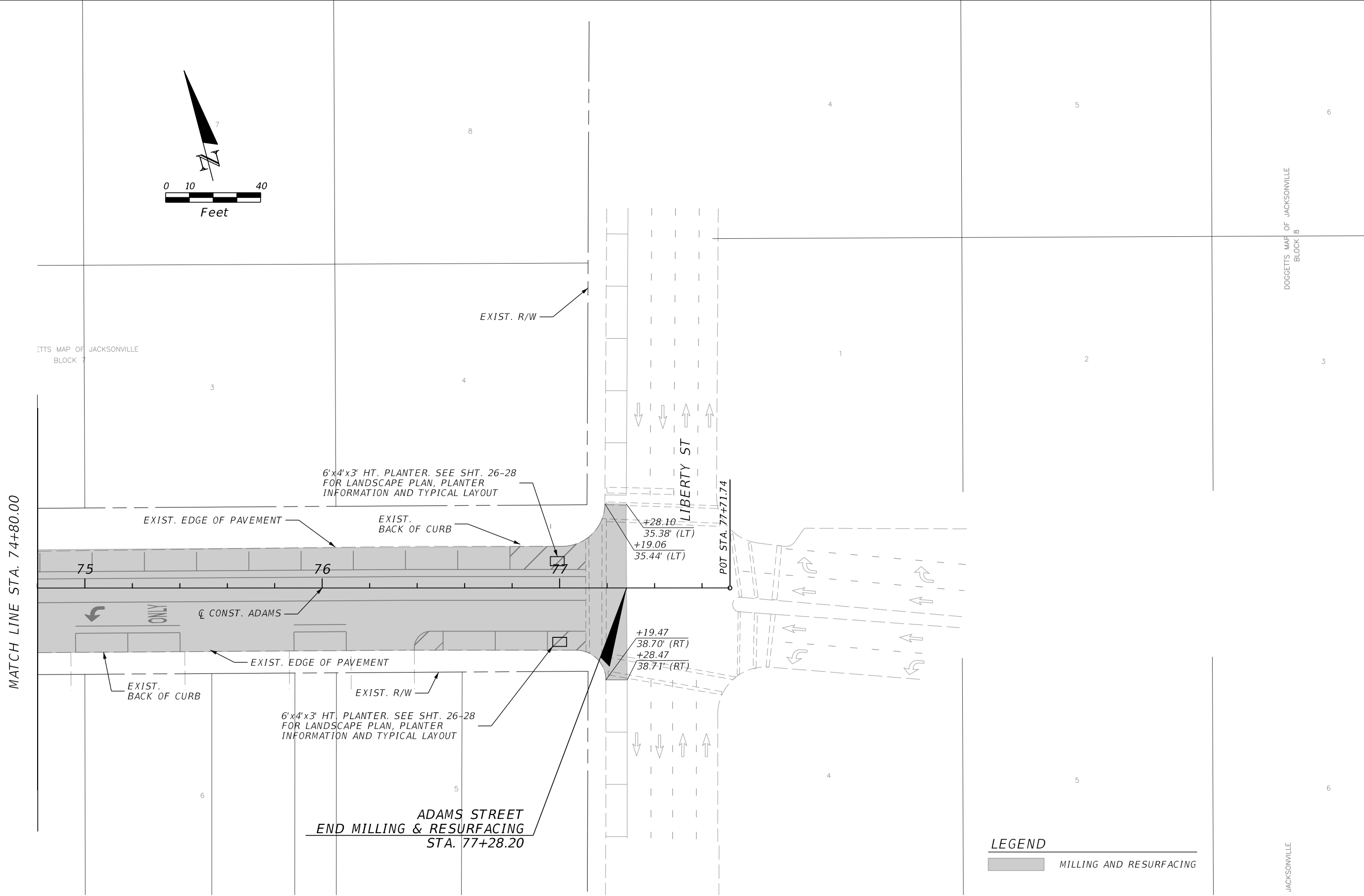
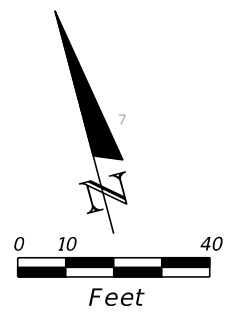
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ROADWAY PLAN

SHEET NO.
15

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LEGEND
 [Shaded Box] MILLING AND RESURFACING

REVISIONS			
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 Florida Certificate of Authorization Number: 00004050

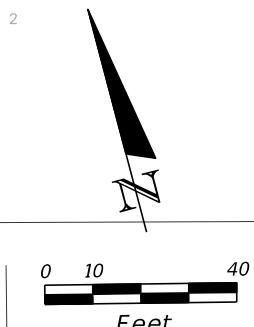


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ROADWAY PLAN

SHEET NO.
16

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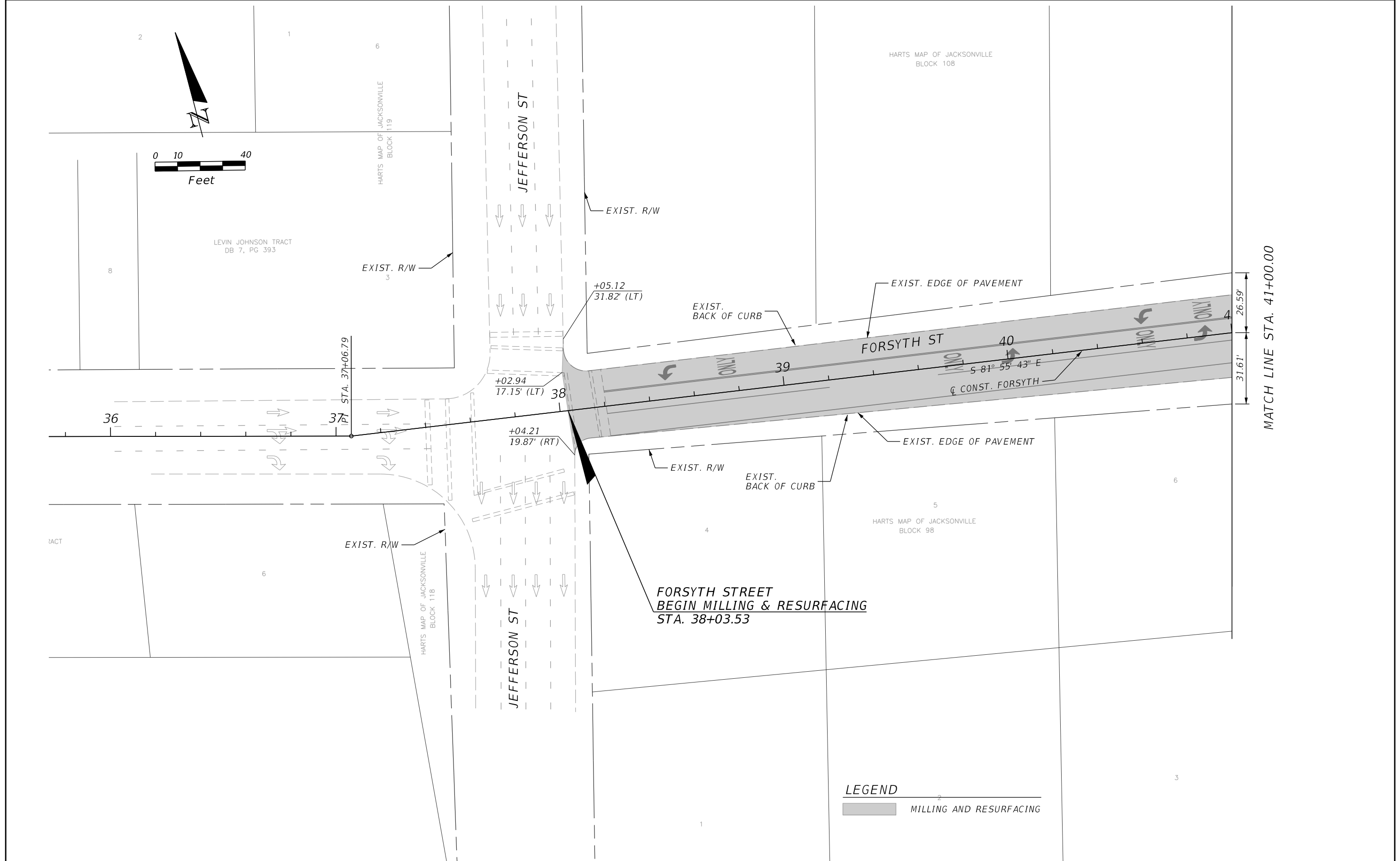


LEVIN JOHNSON TRACT
DB 7, PG 393

HARTS MAP OF JACKSONVILLE
BLOCK 119

HARTS MAP OF JACKSONVILLE
BLOCK 108

HARTS MAP OF JACKSONVILLE
BLOCK 98



MATCH LINE STA. 41+00.00


**FORSYTH STREET
BEGIN MILLING & RESURFACING
STA. 38+03.53**

LEGEND

 MILLING AND RESURFACING

REVISIONS			
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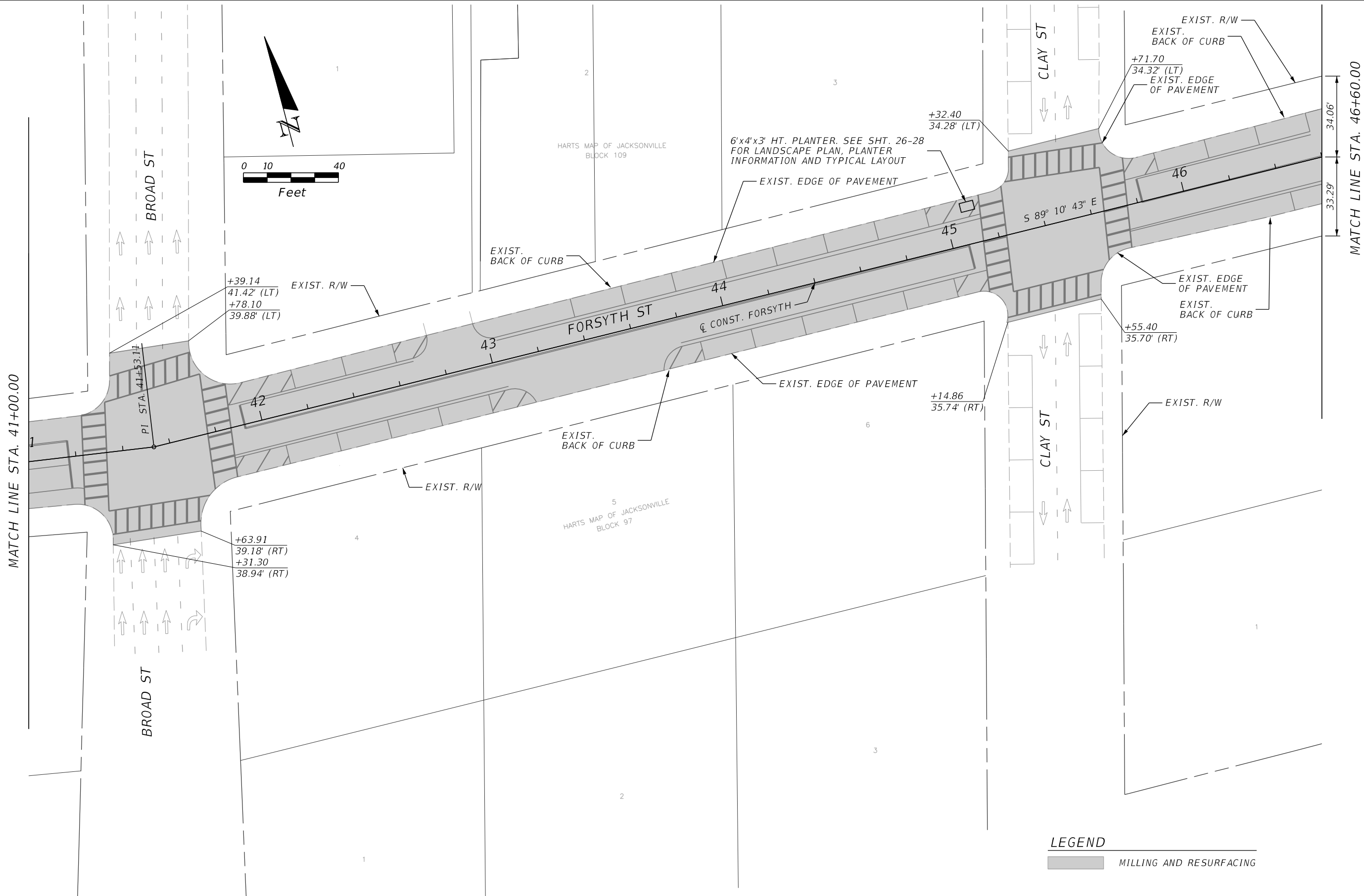
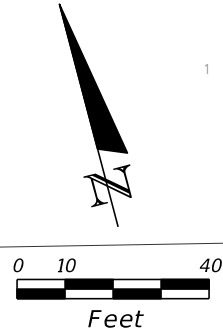


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ROADWAY PLAN

SHEET NO.
17

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LEGEND
 [Shaded Box] MILLING AND RESURFACING

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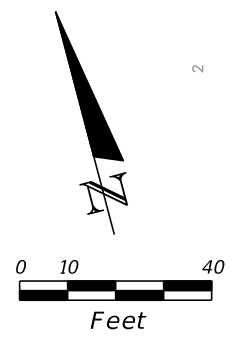


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ROADWAY PLAN

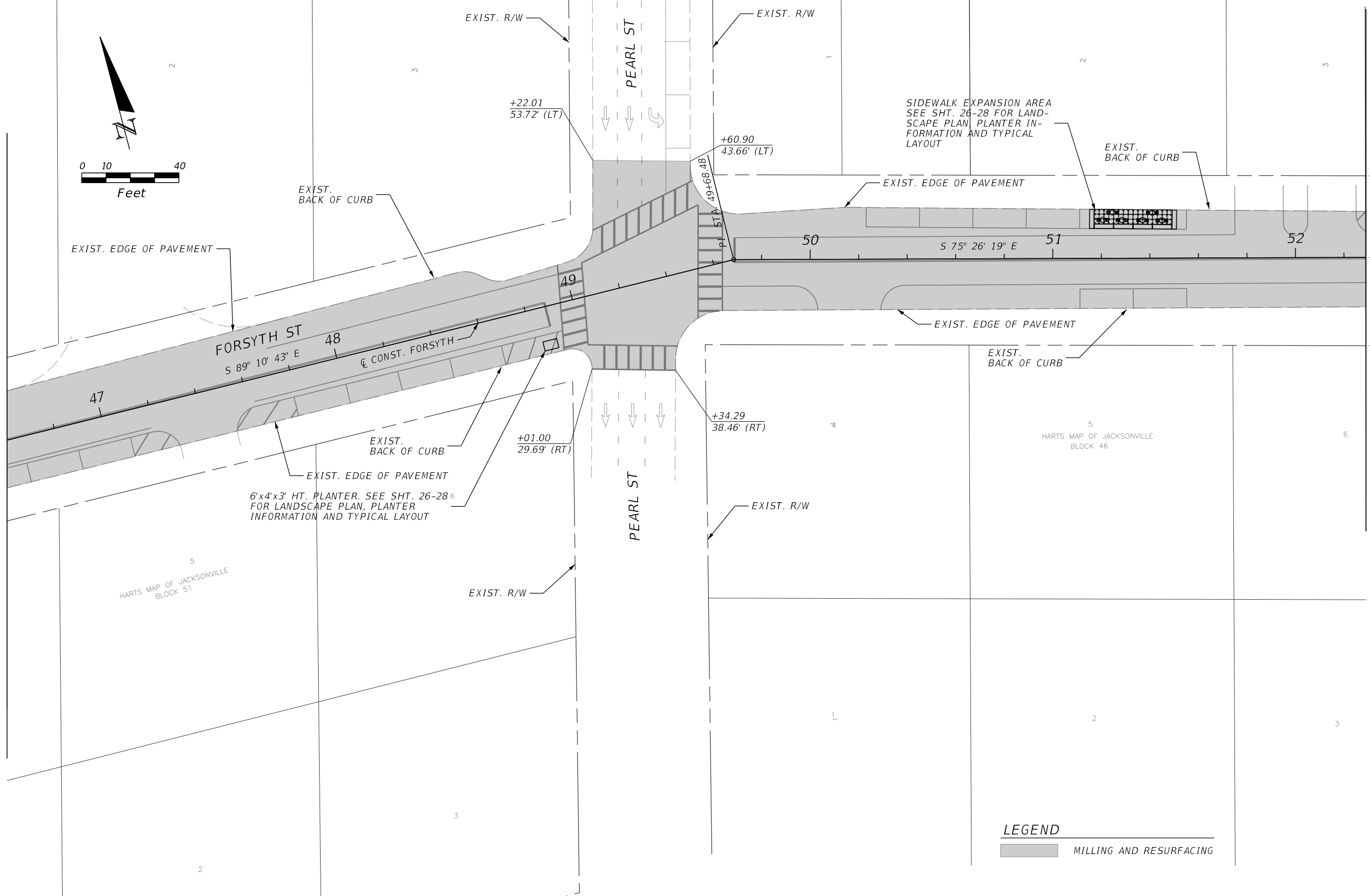
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18

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MATCH LINE STA. 46+60.00

MATCH LINE STA. 52+30.00



LEGEND

MILLING AND RESURFACING

REVISIONS			
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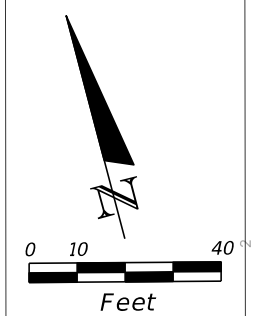
ROADWAY PLAN

SHEET NO.
19

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STA. 56+21.60

BLOCK 37



N LAURA STREET
(PUBLIC RIGHT OF WAY)
LAURA ST
LAU

EXIST. R/W

EXIST. R/W

W FORSYTH STREET
END MILLING & RESURFACING
STA. 60+47.91

+75.48
39.88' (LT)

+97.59
39.92' (LT)

W FORSYTH STREET
BEGIN MILLING & RESURFACING
STA. 61+31.21

EXIST. EDGE OF PAVEMENT

EXIST. BACK OF CURB

SIDEWALK EXPANSION AREA
SEE SHT. 26-28 FOR LAND-
SCAPE PLAN, PLANTER IN-
FORMATION AND TYPICAL
LAYOUT

SIDEWALK EXPANSION AREA
SEE SHT. 26-28 FOR LAND-
SCAPE PLAN, PLANTER IN-
FORMATION AND TYPICAL
LAYOUT

EXIST. BACK OF CURB

58

FORSYTH ST

59

S 75° 26' 19" E

60

61

62

63

CL CONST. FORSYTH

EXIST. EDGE OF PAVEMENT

EXIST. BACK OF CURB

EXISTING PAVERS TO REMAIN

EXIST. R/W

+67.75
44.78' (RT)

+90.86
44.89' (RT)

SIDEWALK EXPANSION AREA
SEE SHT. 26-28 FOR LAND-
SCAPE PLAN, PLANTER IN-
FORMATION AND TYPICAL
LAYOUT

EXIST. BACK OF CURB

EXIST. R/W

RAISED 5'X5' STREETSCAPE PLANTERS ADJACENT
TO CURB IN LIEU OF PROPOSED STREET TREES.
TO BE COORDINATED WITH PLANNED STREETSCAPE
IMPROVEMENTS

MATCH LINE STA. 4044+40.00

MATCH LINE STA. 4038+80.00

4

5

6

6

BLOCK 36

LEGEND



REVISIONS			
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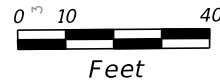
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ROADWAY PLAN

SHEET NO.
21

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HARTS MAP OF JACKSONVILLE
BLOCK 32



EXIST. R/W

EXIST. R/W

6'x4'x3' HT. PLANTER. SEE SHT. 26-28
FOR LANDSCAPE PLAN, PLANTER
INFORMATION AND TYPICAL LAYOUT

+57.77
42.42' (LT)

+93.51
42.57' (LT)

EXIST. BACK OF CURB

MATCH LINE STA. 63+10.00

MATCH LINE STA. 4049+80.00

EXIST. EDGE OF PAVEMENT

EXIST. EDGE OF PAVEMENT

64 FORSYTH ST 65

S 75° 26' 19" E 66

67 FORSYTH ST 68

EXIST. EDGE OF PAVEMENT

EXIST. EDGE OF PAVEMENT

EXIST. BACK OF CURB

EXIST. BACK OF CURB

6'x4'x3' HT. PLANTER. SEE SHT. 26-28
FOR LANDSCAPE PLAN, PLANTER
INFORMATION AND TYPICAL LAYOUT

+52.29
42.61' (RT)

+00.13
42.41' (RT)

RAISED 5'X5' STREETSCAPE PLANTERS ADJACENT
TO CURB IN LIEU OF PROPOSED STREET TREES.
TO BE COORDINATED WITH PLANNED STREETSCAPE
IMPROVEMENTS

MAIN ST

HARTS MAP OF JACKSONVILLE
BLOCK 31

HARTS MAP OF JACKSONVILLE
BLOCK 21

EXIST. R/W

EXIST. R/W

LEGEND

MILLING AND RESURFACING

REVISIONS			
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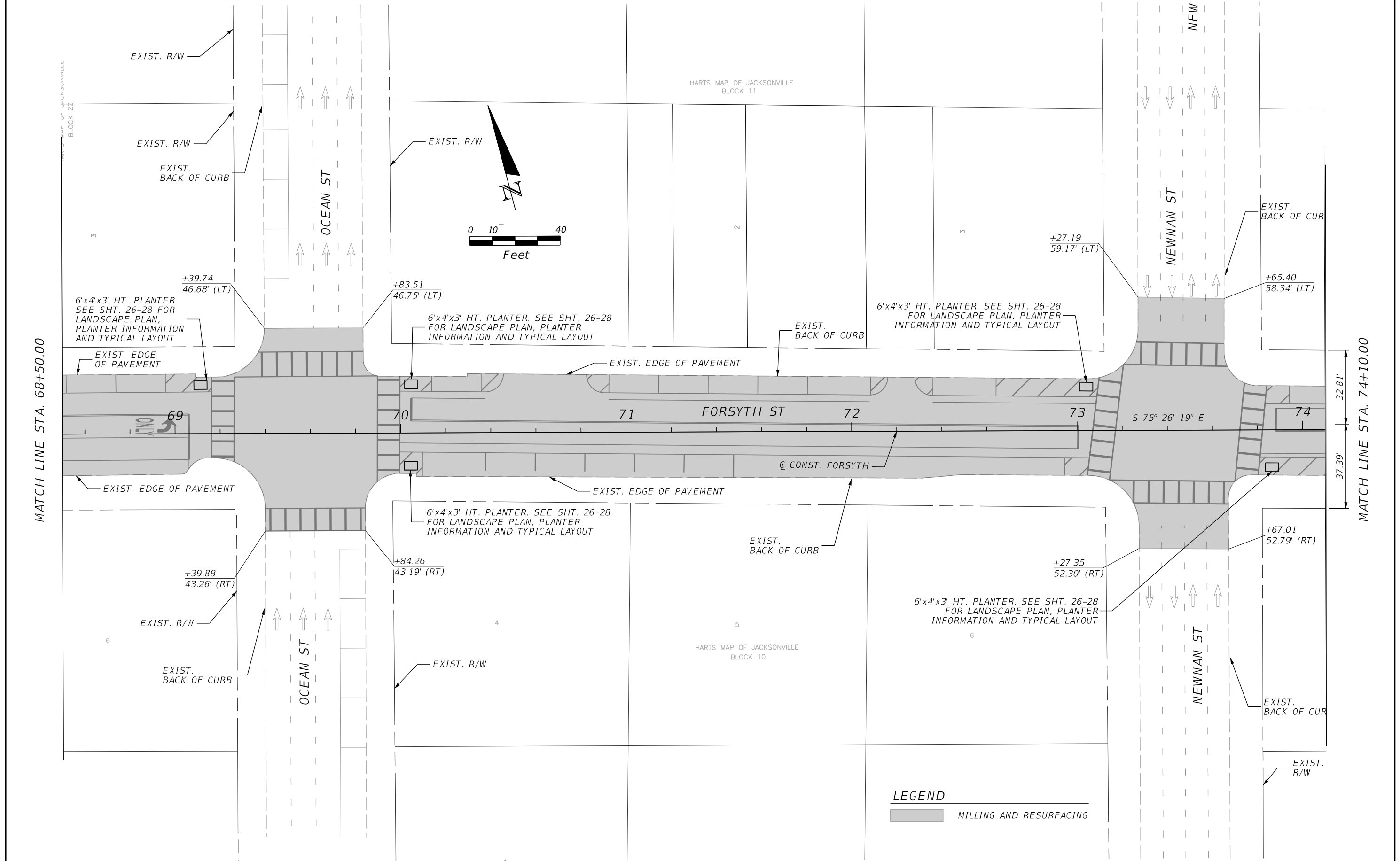


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ROADWAY PLAN

SHEET NO.
22

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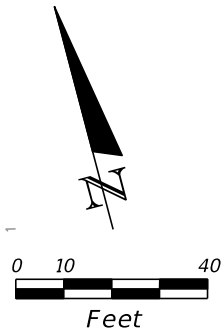
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ROADWAY PLAN

SHEET NO.
23

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HARTS MAP OF JACKSONVILLE
BLOCK 3

2

3

1

2

EXIST. R/W

EXIST. R/W

MARKET ST

+18.28
54.79' (LT)

+57.51
54.26' (LT)

6'x4'x3' HT. PLANTER. SEE SHT. 26-28
FOR LANDSCAPE PLAN, PLANTER
INFORMATION AND TYPICAL LAYOUT

EXIST.
BACK OF CURB

EXIST.
BACK OF CURB

EXIST. EDGE OF PAVEMENT

EXIST. EDGE OF PAVEMENT

75

FORSYTH ST

76

77

S 75° 26' 19" E

78

79

CL CONST. FORSYTH

EXIST. EDGE OF PAVEMENT

EXIST. EDGE OF PAVEMENT

EXIST.
BACK OF CURB

6'x4'x3' HT. PLANTER. SEE SHT. 26-28
FOR LANDSCAPE PLAN, PLANTER
INFORMATION AND TYPICAL LAYOUT

EXIST.
BACK OF CURB

+18.44
56.26' (RT)

+51.11
56.20' (RT)

EXIST. R/W

EXIST. R/W

MARKET ST

8

7

HARTS MAP OF JACKSONVILLE
BLOCK 2

DOGGETTS M
B

LEGEND

MILLING AND RESURFACING

MATCH LINE STA. 74+10.00

MATCH LINE STA. 79+70.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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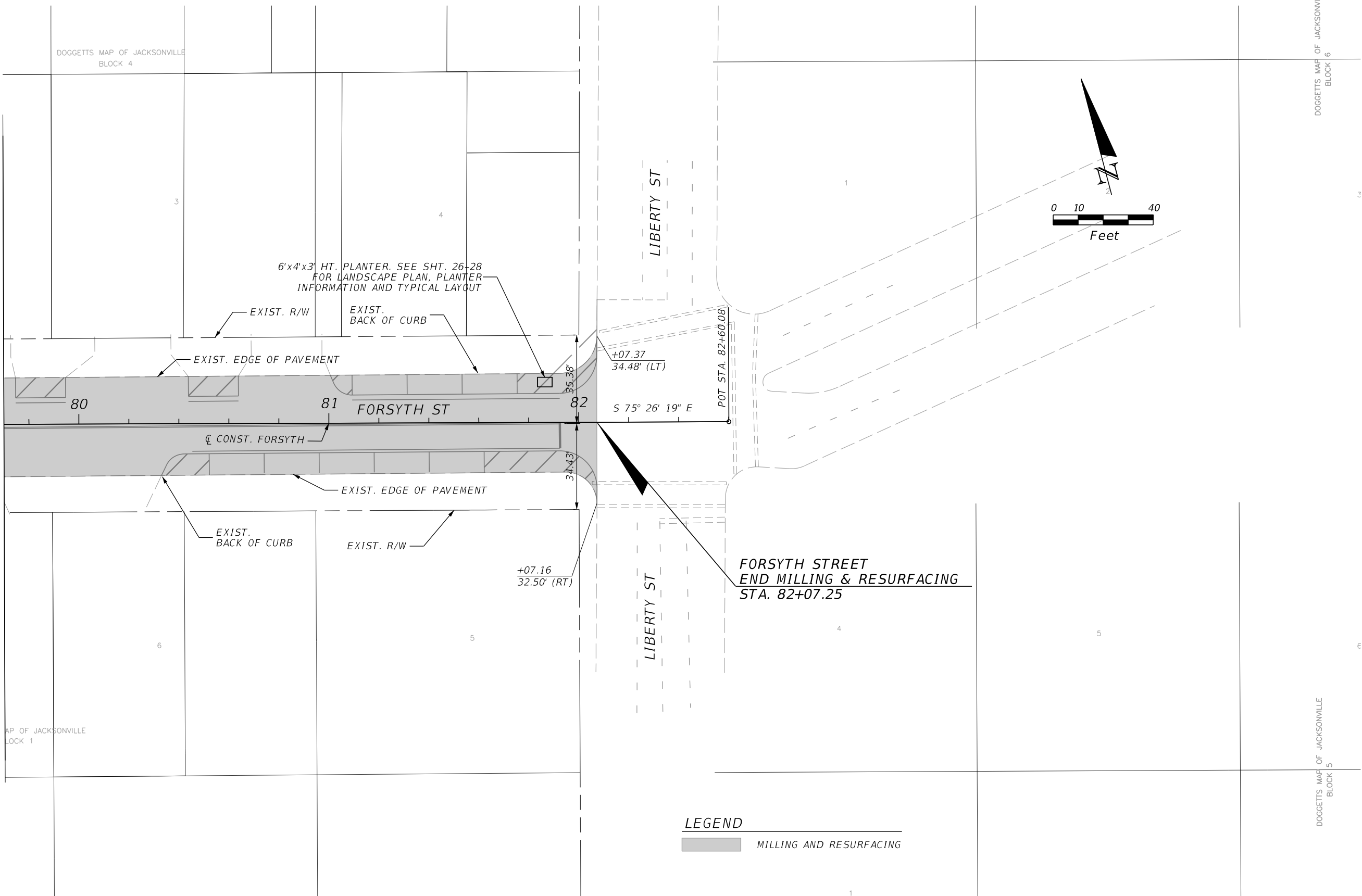
CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

SHEET
NO.


24

MATCH LINE STA. 79+70.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROSSER
 Creative Visionaries, Engineering Minds
 13901 Sutton Park Drive South, Suite 200
 Jacksonville, Florida 32224-0228
 P: 904.739.3655 F: 904.730.3413
 www.prosserInc.com
 BENJAMIN M. COMBS, PE PE# 83235
 Florida Certificate of Authorization Number: 00004050



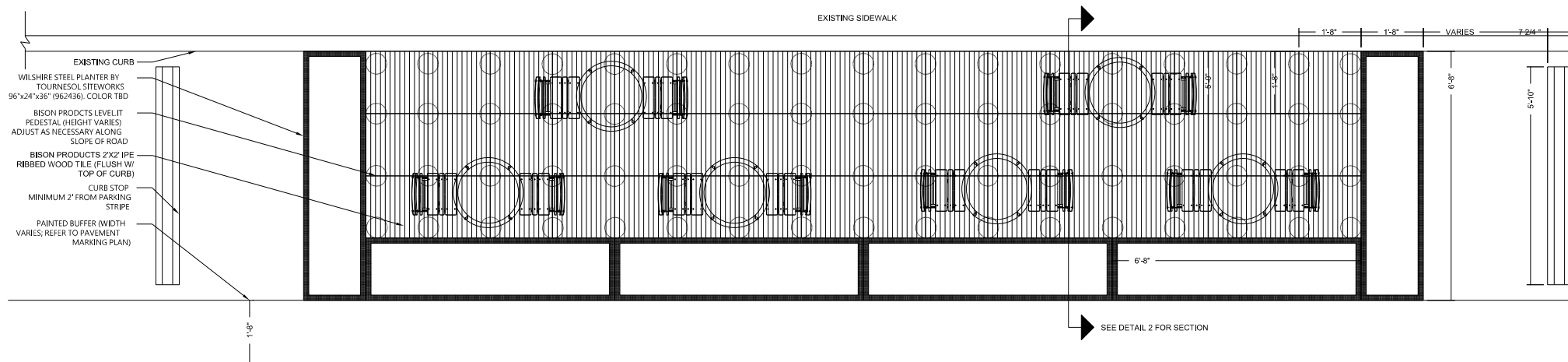
CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

ROADWAY PLAN

SHEET NO.
25

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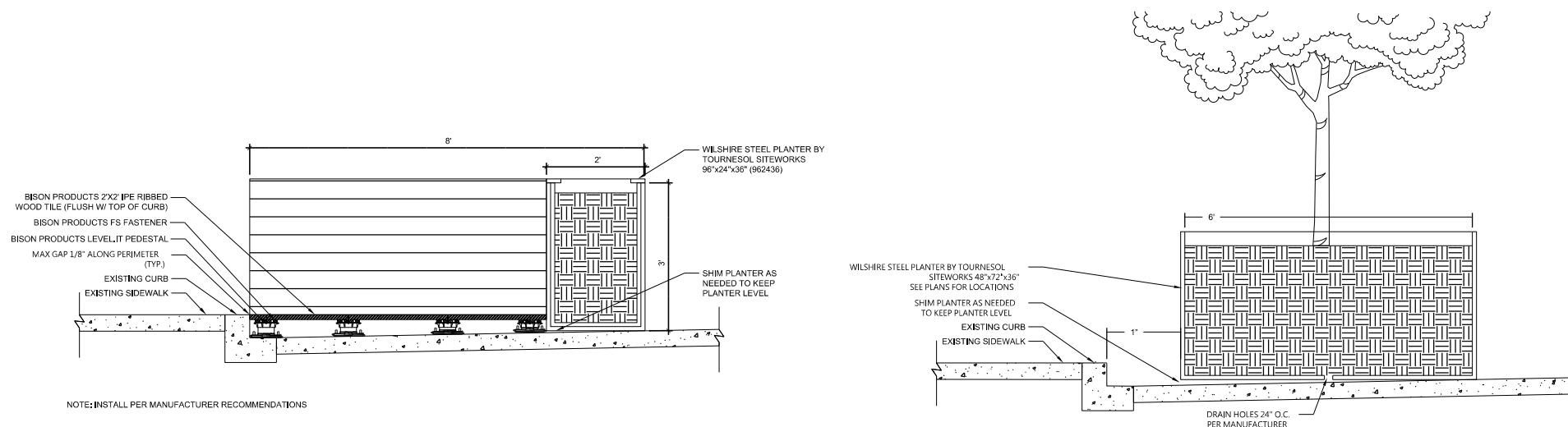
NOTE: INSTALL PER MANUFACTURERS RECOMMENDATIONS.



NOTE: INSTALL PER MANUFACTURER RECOMMENDATIONS

STREET

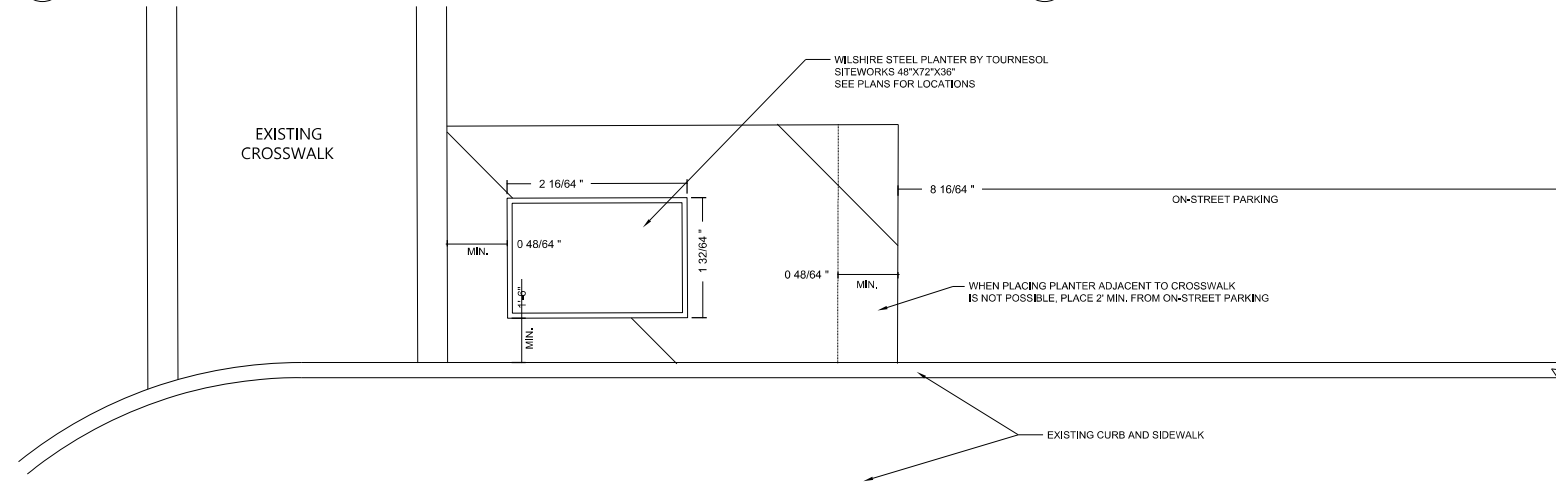
1 PARKLET-TOP VIEW
NTS 1/2" = 1'-0"



NOTE: INSTALL PER MANUFACTURER RECOMMENDATIONS

2 PARKLET W/ PLANTER- SECTION DETAIL
NTS 3/4" = 1'-0"

3 TYPICAL INTERSECTION PLANTER SECTION
3/4" = 1'-0"



4 TYPICAL INTERSECTION PLANTER PLAN
3/8" = 1'-0"


CONTACT INFORMATION

TOURNESOL SITEWORKS CONTACT:
TROY PARSONS
EMAIL: TPARSONS@TOURNESOL.COM
PH: (813) 334-0016

BISON PRODUCTS CONTACT :
EMAIL: CPASCENTE@BISONIP.COM
PH: (303) 892-0440

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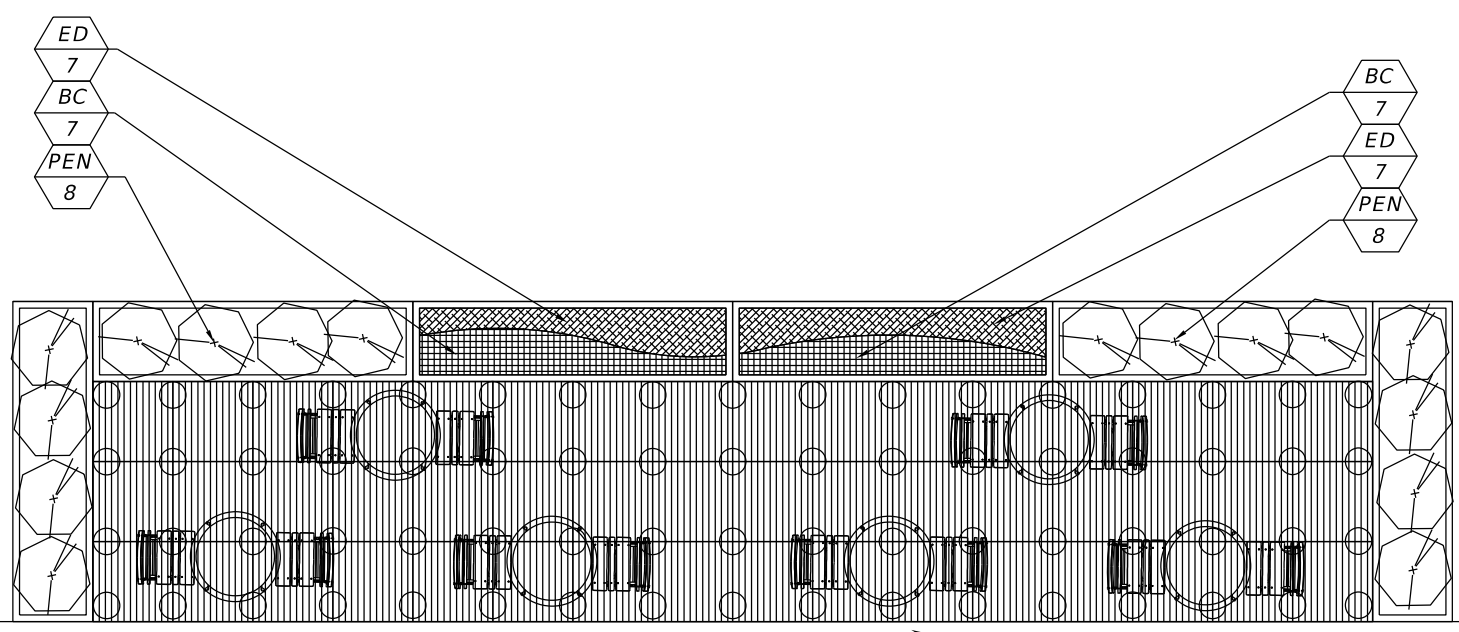
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MATTHEW R. ANDERS, RLA #LA6667162
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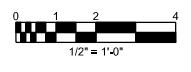
CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

SIDEWALK EXPANSION &
INTERSECTION PLANTER DETAILS

SHEET NO.
26

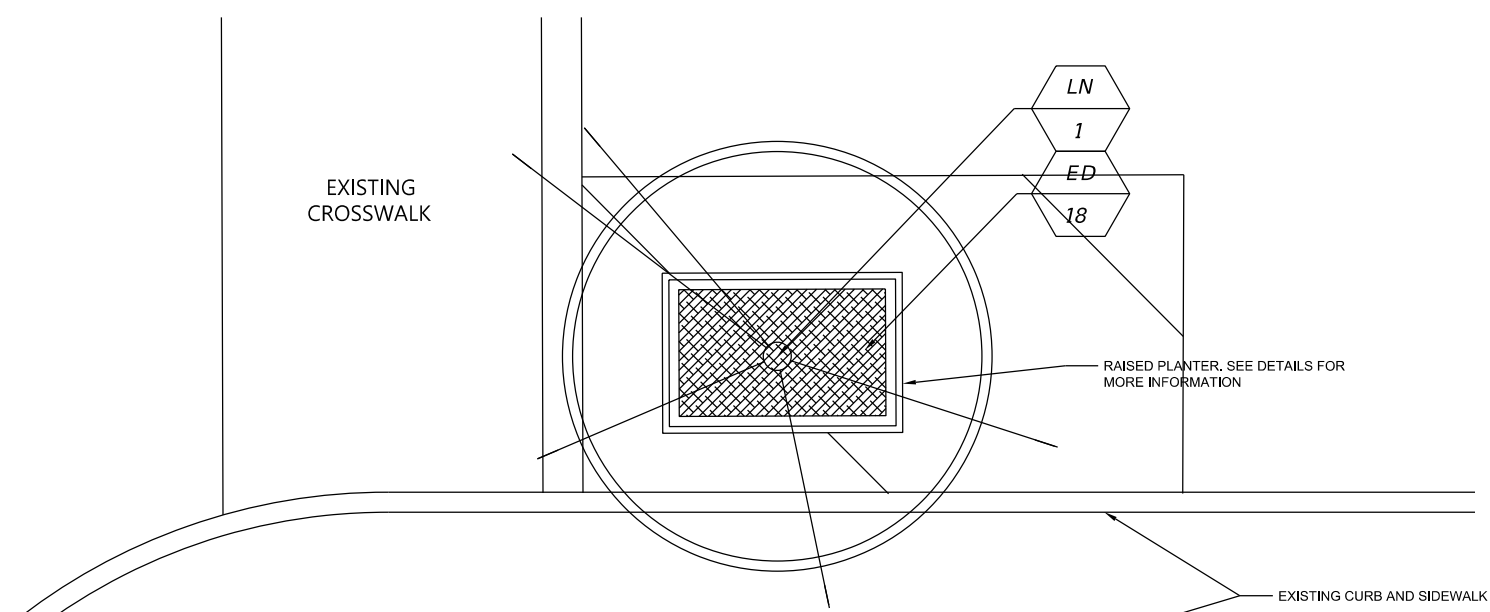


TYPICAL SIDEWALK EXPANSION AREA LANDSCAPE PLAN

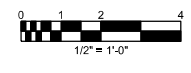


SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPACING	ORIGIN	REMARKS
	PEN	16	PENNISETUM SETACEUM 'ALBA'	WHITE FOUNTAIN GRASS	24" O.C.	NON-NATIVE	18"-24" HT., 3 GAL.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPACING	ORIGIN	REMARKS
	BC	14	BELAMCANDA CHINENSIS	BLACKBERRY LILY	12" O.C.	NON-NATIVE	6" HT MIN, 1 GAL.
	ED	14	EVOLVULUS GLOMERATUS 'BLUE DAZE'	BRAZILIAN DWARF MORNING GLORY	12" O.C.	NON-NATIVE	6" HT MIN, 1 GAL.

NOTE: LANDSCAPE SCHEDULE ILLUSTRATES TYPICAL QUANTITIES PER INDIVIDUAL SIDEWALK EXPANSION AREA. REFER TO PLANS FOR LOCATIONS/ NUMBER OF EXPANSION AREAS TO GENERATE FINAL PLANT COUNT



TYPICAL INTERSECTION PLANTER LANDSCAPE PLAN



TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPACING	ORIGIN	REMARKS
	LN	1	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ GRAPE MYRTLE	SEE PLAN	NON-NATIVE	4" CAL., 100 GAL., 12' - 14' HEIGHT & 4' - 6' SPREAD, STD
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPACING	ORIGIN	REMARKS
	ED	18	EVOLVULUS GLOMERATUS 'BLUE DAZE'	BRAZILIAN DWARF MORNING GLORY	12" O.C.	NON-NATIVE	6" HT MIN, 1 GAL.

NOTE: LANDSCAPE SCHEDULE ILLUSTRATES TYPICAL QUANTITIES PER INDIVIDUAL PLANTER. REFER TO PLANS FOR PLANTER LOCATIONS/ NUMBER OF PLANTERS TO GENERATE FINAL PLANT COUNT

REVISIONS			
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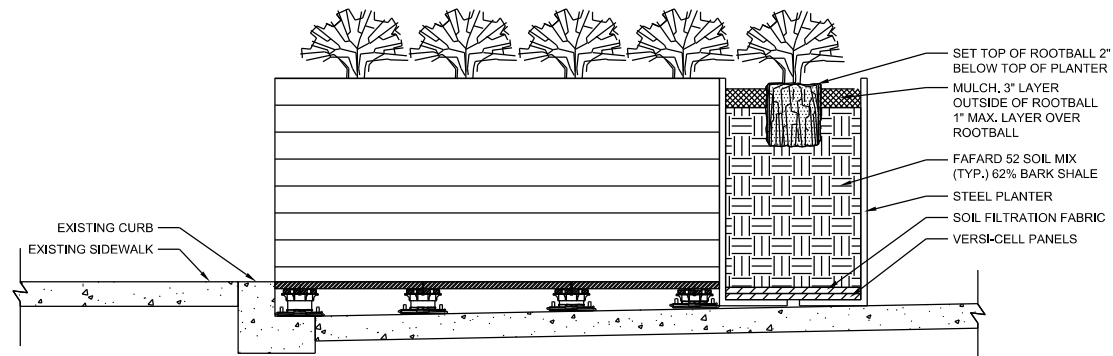
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TYPICAL LANDSCAPE PLAN

SHEET NO.
 27

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TRIANGULAR SPACING
N.T.S.

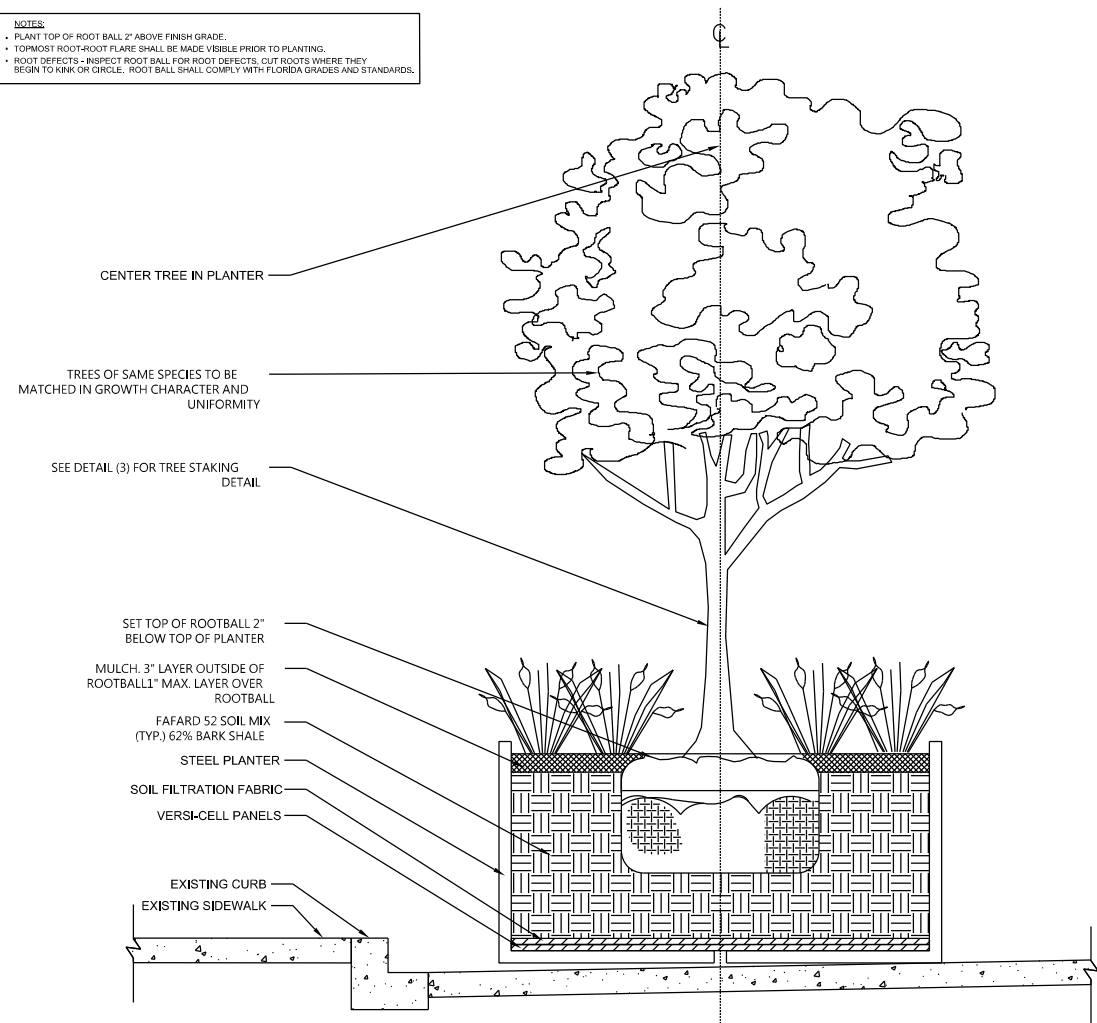


NOTES:
 * GROUND COVER PLANTS SHALL BE SPACED AS INDICATED ON PROJECT PLANS.
 * PLANT TOP OF ROOT BALL 1" HIGHER THAN TOP OF SOIL LEVEL.
 * TOPMOST ROOT SHALL BE MADE VISIBLE PRIOR TO PLANTING.
 * ROOT DEFECTS - INSPECT ROOT BALL FOR ROOT DEFECTS, CUT ROOTS WHERE THEY BEGIN TO KINK OR CIRCLE. ROOT BALL SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS.

1 SIDEWALK EXPANSION AREA PLANTING DETAIL

NTS

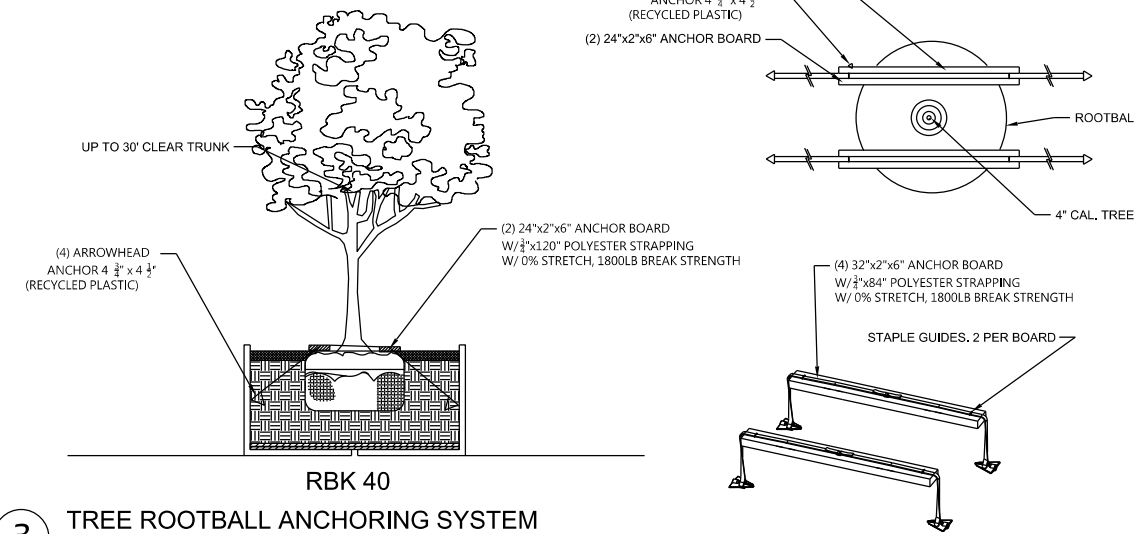
NOTES:
 * PLANT TOP OF ROOT BALL 2" ABOVE FINISH GRADE.
 * TOPMOST ROOT-ROOT FLARE SHALL BE MADE VISIBLE PRIOR TO PLANTING.
 * ROOT DEFECTS - INSPECT ROOT BALL FOR ROOT DEFECTS, CUT ROOTS WHERE THEY BEGIN TO KINK OR CIRCLE. ROOT BALL SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS.



2 INTERSECTION PLANTER PLANTING DETAIL

3/4" = 1'-0"

TREE FROG ENVIRONMENTAL PRODUCTS
 352-735-7411
 TREEFROGEP.COM



3 TREE ROOTBALL ANCHORING SYSTEM

3/8" = 1'-0"

REVISIONS			
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CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

LANDSCAPE DETAILS

SHEET NO.

28

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PART 1- GENERAL

1.1 GENERAL NOTES

- A. Contractor shall comply with applicable laws, ordinances and codes; obtain required permits, inspections; pay required fees.
- B. Prior to preparing and submitting cost proposal, Bidder shall visit and inspect the project site to become familiar with existing conditions.
- C. This contract includes providing and installing plant and landscape materials as described within the contract documents.
- D. Contractor shall perform fine grading to establish finish grades in landscape areas. Fine grading shall include only minor grading to correct random or infrequent grade irregularities to 1" or less.
- E. Grading-Berming labeled on the project plans shall be the responsibility of the landscape contractor to construct. Landscape contractor shall provide fill and grading for these areas and coordinate fill requirements with general contractor prior to bidding.
- F. Bidder-Contractor shall verify all plant quantities shown on plans. Notify Landscape Architect-Owner's Representative of discrepancies.
- G. Plant size noted in plant schedule shall be the minimum acceptable size. Container gallon size are minimum. Contractor shall provide the plant material in container size needed to meet plant size specified.

1.2 DEFINITIONS

- A. Finish Grade: Top of surface soil and top of planting bed after plant installation.
- B. Topsoil: Native or imported surface soil modified with soil amendments per recommendations from commercial soil-testing laboratory.
- C. Compost Mix: Homogeneously blended organic material, see Part 2 - Products.
- D. Subgrade: Soil below finish grade and soil below finish grade remaining after completing excavation.
- E. Final Acceptance: Shall mean that point in time when requirements of contract documents are completed, including punch-list items, to the satisfaction of the Landscape Architect-Owner's Representative. Contractor will be notified in writing of final acceptance by Landscape Architect-Owner's Representative.
- F. Warranty Period: Shall begin after notification of final acceptance, continuing for the duration of the specified period.
- G. Final Warranty Inspection: Shall occur near the end of the warranty period.
- H. Contract Documents: Project plan set, technical specifications and documentation issued during project bidding, award and installation.

1.3 SUBMITTALS

- B. Product Data: Each type of product utilized
- C. Samples: Pine Bark
- D. Product certificates, confirmation letter that the Contractor has procured all plant materials and products to complete the project plans.
- E. Planting Schedules: Indicating anticipated installation dates.
- F. Maintenance Instructions: Provide prior to final acceptance.
- G. Agronomic Soil Tests for Topsoil and Compost Mix: Soil testing and recommendations shall be performed by a commercial soil-testing laboratory. Areas to be installed with plants and lawn areas shall be tested. Tests shall include a fertility test, pH factor, percentage of organic matter and a suitability analysis. The suitability analysis shall include percolation tests and evaluation of soil composition to determine the soil's suitability to sustain the project's plant materials and to bring the soil to a pH rating between 5.5 to 6.5. Submit copy to Landscape Architect-Owner's Representative of soil tests, written recommendations for soil suitability, soil amendments, fertilizer, chemical conditioner application rates for soil preparation, and a maintenance fertilization program.
- H. Manufacturer's Data: Include physical characteristics, application, installation instructions and recommendations to be utilized.
 - a. Fertilizer
 - b. Each soil amendment to be used
 - c. Herbicide
 - d. Super absorbent, if to be utilized
 - e. Pre-emergent herbicide
 - f. Materials identified in contract documents
- I. Written plant guarantee
- J. Prior to purchase and delivery of plants, Contractor shall provide the Landscape Architect-Owner's Representative with photos of proposed plant materials and coordinate nursery visit.

1.4 QUALITY ASSURANCE

- A. Landscape Contractor Qualifications: The Landscape Contractor (Contractor) shall have previous experience installing projects of equal or greater size to the project plans. The Contractor shall have a full-time supervisor with a minimum of 5 years of experience that is on-site during installation process.
- B. Soil Analysis: Contractor shall provide soil analysis of the existing surface soil and compost mix. Agronomic soil testing shall be performed by a commercial soil-testing laboratory.
- C. Provide quality, size, genus, species, and variety of plants indicated, complying with "Florida Number 1" or better classification in "Grades and Standards for Nursery Plants," latest edition, published by Florida Department of Agriculture, Division of Plant Industry, Gainesville, Florida. To evaluate plants not specifically listed in the "Grades and Standards for Nursery Plants," use the appropriate matrix type.
- D. Pre-Installation Conference: Prior to beginning plant installations, conduct conference at project site.
- E. Substitutions:
 - 1. If a plant material or product is not available, the Contractor shall submit to the Landscape Architect-Owner's Representative for approval, proof of non-availability with a recommendation for an equivalent material. When authorized, adjustment of contract amount may be made. No substitutions will otherwise be allowed.
- F. Inspection: Landscape Architect-Owner's Representative may inspect plants at nursery and project site prior to planting, for compliance with plans. The Landscape Architect-Owner's Representative may inspect plants at any time for size and condition of balls, root systems, insects, injuries, latent defects, and reject plant materials at any time during progress of work. Contractor shall remove rejected plants from project site. The Landscape Architect-Owner's Representative's preliminary inspection is not to be construed as acceptance until such time as a written final acceptance inspection is received.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Prior to materials being shipped from supplier, Landscape Architect-Owner's Representative may inspect materials on-site or through the submission of photographs. Refer to the plant schedule within the project plan set for specific plants requiring on-site tagging-inspection.
- B. Do not prune trees and shrubs before delivery. Protect bark, branches, and root systems from sun scald, drying, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie trees or shrubs in such a manner as to destroy their natural shape. Provide protective covering of plants during delivery. Do not drop plant materials.
- C. Deliver plants after preparations for planting have been completed and install immediately. If planting is delayed more than six hours after delivery, set plants trees in shade, protect from weather and mechanical damage, and keep roots moist.

1.6 WARRANTY

- Warranty: Contractor shall warrant plants for the warranty period indicated against defects including death and unsatisfactory growth.
 - 1. Warranty Period for Plant Materials: 1 year from date of final acceptance
 - 2. Warranty Period for Sod: 6 months from date of final acceptance

1.7 MAINTENANCE

- A. Plant Materials: Maintain until final acceptance by pruning, cultivating, watering, weeding, fertilizing, restoring planting saucers, lightening and repairing stakes and supports, resetting plants to proper grades, vertical position, as required to establish healthy, viable plantings. Spray insecticides to keep plants free of insects and disease.
- B. Protect plant materials from damage due to landscape operations, operations by other contractors and others. Maintain protection during installation and final acceptance. Treat, repair, and replace damaged plantings at no additional cost to the Owner.
- C. Maintenance of sod areas: The Contractor shall maintain until final acceptance by protecting sod areas against traffic or other use by warning signs and barricades, as approved by the Landscape Architect-Owner's Representative. Damaged sod shall be repaired by re-grading, then re-sod. Contractor shall mow, water and otherwise maintain sod areas in a satisfactory condition until final acceptance of the work.
 - 1. Maintain sod areas until final acceptance by watering, weeding, mowing, applications of herbicides, fungicides, insecticides, fertilization and re-seeding until a full, uniform stand of grass free of weeds, undesirable grass species, disease, and insects is achieved and accepted by the Landscape Architect-Owner's Representative.
 - a. Repair, re-work, and re-sod all areas that have washed out, eroded, or are not a healthy stand of grass.
 - b. Mow sod areas when top growth reaches a height where no more than a third of the leaf blade will be removed at any single mowing. Repeat mowing to maintain specified height per recommendations of local agricultural extension agency.

1.8 REPLACEMENTS AND CONDITIONS

- A. Promptly remove and replace plant materials that are dead, unhealthy condition, fallen below acceptable quality. Prior to the end of the warranty period, a final warranty inspection of the work may be made by the Landscape Architect-Owner's Representative. The Contractor shall remove and replace plant materials and sod areas found to not be in compliance with contract requirements. Replacement plant material size and species shall be as noted in the project plans. A new warranty period shall commence on each plant replaced during the warranty period, contractor shall maintain plant warranty log.

1.9 FINAL INSPECTION AND ACCEPTANCE

- A. Final Inspection: Upon completion of landscape installation, the Contractor shall notify the Landscape Architect-Owner's Representative in writing 10 days prior to requested inspection date. Landscape Architect-Owner's Representative will make an inspection to determine compliance with contract documents. When inspected landscape work does not comply with contract documents, the Contractor shall remove and replace rejected work and continue maintenance. Contractor shall provide 48 hour notice to Landscape Architect-Owner's Representative requesting re-inspection. Plant Materials:
 - a. Replace plant materials not in healthy condition, falls below quality requirements
- B. Lawns:
 - a. At the time of final warranty inspection, sod areas shall be healthy, well-rooted even colored, lawn is established, weed free without open joints and bare areas.

PART 2 - PRODUCTS

2.1 PLANTS

- A. Tree and Shrub Material: Provide nursery-grown tree and shrub materials complying with plant quality requirements, Part 1-General. Provide well-shaped, fully branched, healthy, vigorous plants free of disease, insects, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and discoloration.
- B. Ground Cover: Provide ground cover species indicated, established and well rooted in pots or similar containers, and complying with plant quality requirements, Part 1-General.
- C. Annuals: Provide healthy, disease-free plants of species and variety shown or approved, complying with plant quality requirements, Part 1-General. Provide plants acclimated to the conditions they are to be installed on the project and are in bud with few, if any blooms.
- D. Perennials: Provide healthy plants from a commercial nursery, of species and variety shown or approved, complying with plant quality requirements, Part 1-General.
- E. Sod: Sod shall be species and locations in the project plans. Sod shall be freshly cut in pads (or rolls with prior approval). Sod shall be derived from an area having a soil type similar to the sod on which it is to be laid. Sod shall be healthy, free of weeds and insects including ground pearls and spittle bugs, in naturally green condition, and shall have an abundance of roots contained within a mat of topsoil derived in the harvesting process from the area where grown. Brown, dry, irregularly smooth, and/or un-fresh sod will be rejected.

2.2 PLANTING MATERIALS

- A. Topsoil: pH range of 5.5 to 6.5, a minimum of 6 percent organic material content; free of stones 1 inch or larger in any dimension and extraneous materials harmful to plant growth.
 - 1. Topsoil Source: Amend existing surface soils according to recommendations from soil tests analyzed by commercial soil testing laboratory, see Part 1-General.
- B. Soil Amendments: Following are soil amendments that may be utilized to modify existing surface soil according to recommendations from agronomic soil testing analysis.
 - a. Lime: Natural dolomitic limestone containing not less than 85 percent of total carbonates with a minimum of 30 percent magnesium carbonates, ground so that not less than 90 percent passes a 10-mesh sieve and not less than 50 percent passes a 100-mesh sieve.
 - b. Aluminum Sulfate: Commercial grade.
 - c. Peat Humus: Finely divided peat, completely decomposed and free of fibers to eliminate it's biological identity. Provide in granular form, free of hard lumps and with pH range suitable for intended use or Florida Muck with a texture and pH range suited for the intended use. Florida Muck shall be delivered in a non-muddy state, reasonably free of clay, roots and litter and other extraneous or toxic matter harmful to plant growth. Florida Muck shall be subject to approval by the Owner.
 - d. Bonemeal: Commercial, raw, finely ground; 4 percent nitrogen and 20 percent phosphoric acid.
 - e. Superphosphate: Soluble mixture of treated minerals; 20 percent available phosphoric acid.
 - f. Sand: Clean, washed builder's sand, free of toxic materials, free of salt, weeds, sticks and other debris. Sand shall conform to ASTM C3 for five aggregates.
 - g. Perlite: Conforming to National Bureau of Standards PS 23.
 - h. Vermiculite: Horticultural grade, free of toxic substances.
 - i. Sawdust: Rotted sawdust, free of chips, stones, sticks, soil or toxic substances and with 7.5 pounds of nitrogen uniformly mixed into each cubic yard of sawdust.
 - j. Manure: Well rotted, unleached stable or cattle manure containing not more than 25 percent by volume of straw, sawdust, or other bedding materials and containing no chemicals or ingredients harmful to plants.
 - k. Mulch: Organic mulch shall be uniform in size, shape, texture, and shall be clean, bright, and free from weeds, moss, sticks, and other debris. Mulch shall be free from deleterious materials and suitable for top dressing of trees, shrubs, or plants.
 - l. Fertilizer:
 - 1. Fertilizer: Pelletized fertilizer with nitrogen, phosphorous and potassium in 100 percent slow release form, with the following composition:
 - a. Composition: 8 percent nitrogen, 2 percent phosphorous, 12 percent potassium + 4 percent magnesium and all micro-nutrients

2.3 COMPOST MIX

- A. Compost Mix: Manufactured mix that is weed and disease free, pasteurized composed of:
 - a. 34% Aged Pine Bark
 - b. 33% Finished Organic Compost
 - c. 33% Composted Cow Manure
- B. Compost mix shall be sent to an approved agronomic soil-testing laboratory to provide the requirements noted Part 1-General.
- D. Seed:
 - 1. Seed: All seed shall be furnished from a certified seed dealer or certified seed grower; meet the requirements of the Florida Department of Agriculture regulations; be labeled in accordance therewith. Seed shall be free of noxious weeds.

- E. Sprigging: Sprigs shall be certified to genetic purity, free of pests and disease, delivered in a timely fashion and consist of stems, leaves and stolons. The sprigs shall come from a certified supplier, approved by the Owner's Representative. After being harvested, the sprigs shall be delivered to the planting site within 24 hours. The stock shall contain no weeds, soil, or other debris and shall not be dried out at the time of planting. Sprigs shall be harvested to facilitate separation and distribution. Sprigs shall average four to six inches in length and carry at least four nodes. Sprigs shall be planted within twenty-four hours after removal from the certified supplier. It shall be the Contractor's responsibility to protect the stolons, keeping them moist and out of the sunlight before and during the planting operation.

PART 3 - EXECUTION

3.1 PLANTING

- 1. Prior to installing plant materials, Contractor shall perform drainage test excavations one per acre of site planting areas or submit plan of locations for Landscape Architect approval, a minimum of 250 ft on center throughout the planning and sod areas. Test excavations shall be a minimum of 12" dia, and 12" deeper than the largest proposed plant rootball. Test excavations shall be filled with water to finish grade, then monitored to verify excavations have completely drained within a 3 hour period. Landscape Contractor shall notify the Landscape Architect-Owner's Representative of any excavations which fail this test, prior to proceeding with plant installations. Corrective actions may be required, such as but not limited to over-excavation to break sub-surface soil conditions which shall be the Contractor's responsibility and may be considered additional work. Contractor shall seek and obtain approval from Owner's Representative prior to proceeding.
 - 2. Unsuitable Soil Conditions: Absolutely no plastic or clayey soil is to be used in landscape areas. If such a condition is found, the area is to be back-filled with material of suitable sandy gradation which is porous and percolates well with reasonable compaction. If any planting or sod area has a plastic or clayey soil condition which prevents proper drainage, then a system of underdraining, turf drain or other means of releasing underground standing water must be incorporated under the direction of the Landscape Architect-Owner's representative.
 - 3. Upon completion of landscape installation the finish grade of planting beds and lawn areas shall be minimum 6 inches below adjacent structures and slope away from existing structures per the Florida Building Code. Verify compliance with Florida Building Code with General Contractor prior to beginning work. Parking lot Islands shall slope at 3% from center of island to curb. Finish grade shall be below sidewalks, curbs and walking surfaces to allow for mulch thickness and sod.
 - 4. Upon completion of landscape installation, the Contractor shall notify the Landscape Architect-Owner's Representative in writing 10 days prior to requested inspection date. Landscape Architect-Owner's Representative will make an inspection to determine compliance with Contract Documents.
 - 5. The Contractor shall be responsible for stability and plumb conditions of all plant materials, be legally liable for damage caused by instability of plant materials. Proper staking and guying is the Contractor's responsibility. Contractor shall under their own discretion provide additional staking and guying above and beyond the requirements of the project plans at no additional expense to the Owner.

A. Plant Material Installation and Planting Bed Preparation:

- 1. Topsoil shall be modified according to recommendations from agronomic soil-testing laboratory, prior to installation of plants.
- 2. Spread on top of topsoil a 3 inch layer of compost mix prior to planting. Mix shall be incorporated in planting holes during installation.
- 3. Do not spread compost mix if topsoil is frozen, muddy, or excessively wet.
- 4. Planting Pits and Trenches: Excavate circular planting pits with sides sloped inward. Trim base leaving center area raised slightly to support root ball and assist in drainage. Do not further disturb base. Scarify sides of plant pit smeared or smoothed during excavation.
- 5. Topmost Root: Topmost root-root flare shall be visible prior to planting - Find the topmost root and remove excess soil to expose topmost root flare.
- 6. Root Defects: Inspect root ball for root defects, cut roots at the point where they begin to kink or circle. Root ball shall comply with Florida Grades & Standards.
- 7. Remove rocks, sticks or other deleterious material greater than 1 inch in any 1 direction prior to backfill process.
- 8. Set tree, palm and shrubs plumb and in center of tree planting pit or trench with top of root ball 2 inches above finish grade.
 - a. Container Grown: Carefully remove root ball from container without damaging root ball or plant.
 - b. Ball and Burlaped Root ball: Do not use plant materials if root ball is cracked or broken before or during planting operation. Do not lift plants by the trunk. Remove rope, synthetic burlap, plastic and materials that will not decompose. Remove top 1/3 of wire basket.
 - c. Backfill planting excavation incorporating compost mix. Work soil around roots eliminate voids and air pockets. When planting pit is approximately one-half backfilled, water thoroughly before placing remainder of backfill.
 - d. Repeat watering until no more water is absorbed. After planting, remove excess soil and rake plant beds to a smooth even surface conforming to required finish grades.
 - e. Upon completion of plant installations, fertilize according to specifications.
 - f. Tree pits in non-irrigated areas shall be installed with super absorbent, according to manufacturer's recommendations.
 - 9. Water thoroughly after planting, taking care not to cover plant crowns with wet soil.
 - 10. Protect plants from hot sun and wind; remove protection if plants show evidence of recovery from transplanting shock.
 - 11. Finish Grading: Level planting area to a smooth, uniform surface with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades.
 - 12. Upon completion of plant installations, fertilize according to specifications.
 - 13. Tree and Shrub Pruning: Prune trees and shrubs according to International Society of Arboriculture standards. Contractor shall prune trees and shrubs to comply with Florida Grades and Standards. Prune plants to retain natural character.

B. Sod:

- 1. Topsoil shall be modified according to recommendations from agronomic soil-testing laboratory, prior to installation of sod, see Part 1-General.
- 2. Remove rocks, sticks or other deleterious material greater than 1 inch in any 1 direction prior to sod installation.
- 3. Finish grade to receive sod shall be uniformly graded and irrigated prior to sod installation. Sod shall be laid end-to-end and side-to-side to form a uniform layer of un-broken, un-gapped turf. All uneven edges shall be squarely trimmed to allow close and firm fitting of each piece. All gaps or spaces shall be filled to a smooth level with topsoil as specified herein. Edges shall be "heeled-in" and finished smoothly without uneven exposure. Place sod with staggered joints closely butted, tamped or rolled to an even surface to the required finished grade. Avoid continuous seam along line of water flow in swales. Place sod in rows at right angles to slope. Peg sod on slopes greater than 3:1.
- 4. Upon completion of sod installation, sod areas shall be watered to provide a healthy growing condition. Watering shall be monitored and adjusted by the Contractor to prevent over or under watering.

C. Seed:

- 1. Seed: All seed shall be furnished from an established seed dealer or certified seed grower; shall meet the requirements of the Florida Department of Agriculture regulations; and shall be labeled in accordance therewith. Seed shall be free of noxious weeds.
- 2. Seed Planting: At a minimum the contractor shall test the soil to verify conditions are acceptable for turf growth.
 - 2.1. Submit agronomic soil tests for existing soil. Tests shall be performed by an approved agronomic soils testing laboratory and shall include a fertility test with the pH factor and the percentage of organic matter and a suitability analysis. The suitability analysis will include percolation tests and evaluation of soil composition to determine the soil's suitability to sustain healthy turf. Submit written recommendations for soil suitability and all necessary soil amendments, fertilizer and chemical conditioner application rates for soil preparation, and a post maintenance fertilization program. Submit recommendations to bring the soil to a pH rating between 5.5 to 6.5 and to supply necessary nutrients to satisfactory level for planting and sustaining vigorous turf growth. Submit a copy of soil tests with suitability analysis and recommendations to Owner's Representative prior to any planting.
 - 2.2. At a minimum apply 100 lbs/acre of scarified, chemically treated Bahia Seed. Apply by hand, cyclone seeder, drill or hydro-seeding. The final result shall place the seeds 1/2" - 3/4" below the soil.
 - 2.3. At a minimum apply an additional 30 lbs/acre of quick growing rye grass over the entire area.
 - 2.4. Contractor is responsible for utilizing the best application method to prevent erosion of soil during seed growth.
 - 2.5. At a minimum apply mulch (straw, hay, wood, etc.) at a rate of 2.5 tons per acre during seeding.
 - 2.6. At a minimum apply fertilizer during seeding at a rate of 250lbs/acre using a 12-6-8 fertilizer or other ratio recommending by the soil testing. An additive of 4% magnesium is also required and should be verified with soil testing.
 - 2.7. Contractor is responsible for dust control and measure should be taken to minimize movement of dust in addition to seeding and mulching.
- 3. Watering: At a minimum apply 3/4" to 1" of water each week to the newly seeded areas to help germination until the grass is fully established. The contractor is responsible to monitor rainfall quantities and supplement with watering as necessary. The contractor shall record all watering information and furnish to the Owner's Representative when requested.
- 3.1. During the maintenance period the contractor shall supplement the rain water amount with hand watering as necessary to maintain an average of 1/2" of water weekly. At any time the owner's representative may require an immediate watering of areas they find suffering from a lack of water. The contractor will have 2 days to water these areas.
- 4. Maintenance: At a minimum the contractor shall be responsible for mowing the new established Bahia grass at four (4) different times throughout the 12 month warranty period. The timing of mowing shall be coordinated and approved by the owner's representative.
 - 4.1. At a minimum the contractor shall implement a fertilization program that will adequately assist the continued health of the turfgrass. This should include a spring, summer, and fall fertilization treatment unless proper soil sample analysis is supplied to the owner's representative that warrants no treatment required. The owner's representative shall make the final decision.
 - 4.2. At the request of the owner's representative, at any given time, any area of the project that has not properly been covered by turfgrass, that is undermown, underwatered, eroded, or in any other way not acceptable to the owner's representative, the contractor will have seven (7) days to fully correct the problem at the contractor's expense.

D. Fertilization, Pre-Emergent and Mulching:

- 1. Prior to mulching, apply fertilizer specified in Part 2-Products to tree, palm, shrub, groundcover and sod areas at the rate of 1.5 pounds of actual fertilizer per 100 square feet. Fertilizer application shall be witnessed by Landscape Architect-Owner's Representative.

E. Mulching and Pre-Emergent Herbicide:

- 1. Apply pre-emergent herbicide to tree, palm, shrub, and groundcover areas according to manufacturer's recommendations. Pre-emergent application shall be witnessed by Landscape Architect-Owner's Representative.
- 2. Mulch surfaces of tree, palm, shrub and groundcover areas. Apply 3 inch depth of settled mulch, level with adjacent finish grades, sidewalks, curbs and sod. Mulch over root ball of plants shall be 1 inch maximum.

F. Plant Protection:

- 1. Protect plants from damage due to landscape operations, operations by other contractors and trades, and others. Maintain protection during installation and maintenance periods, as approved by Landscape Architect-Owner's Representative. Treat, repair, or replace damaged plant materials.

G. Clean Up:

- 1. Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose off Owner's property.

H. Sprigging:

- 1. The Contractor shall carefully coordinate the sprigging operation being careful not to spray an area too large or move so swiftly that a reasonable watering operation could not follow. Carelessness on the part of the Contractor, as mentioned above, shall result in the Contractor being liable for the cost of additional sprigs and the replanting of same.
- 2. A successful planting shall be defined as the insertion of 12 live sprigs per square foot.
- 3. An automatic planting machine shall be used, the machine shall insert live sprigs at 1-1/2 to 2 inch centers and roll the surface smooth on one pass. A minimum rate for sports field shall be 400 bushels per acre and sprigs shall be "cut in" mechanically.
- 4. After planting, sprigs must be watered to avoid drying out. Watering must be maintained until the sprigs tack down, about 14 days, then reduced to keep the sprigs well irrigated until complete coverage is obtained. Insects such as army worms are the biggest insect threat and can completely destroy a stand of immature sprigs overnight. It is the Contractors responsibility to monitor and treat all infestations as may be required.
- 5. The sprigs must be properly fertilized until completely grown in (about 12 weeks in optimum season - do not attempt to spray past August 1). Apply 1 lb of nitrogen/1,000 square feet per week, applied in 2, 1/2 lb applications for 12 weeks. The nitrogen source shall be 75% water soluble and 25% water insoluble. Test soil and apply lime as needed to meet, then apply a pre-plant "complete" fertilizer, 10-10-10 at least 2lb/M which needs to be lightly incorporated into the soil prior to sprigging.
- 6. Contractor shall be responsible for the planting and grow-in of all sprigged areas. The grow-in responsibilities shall include all mowing, fertilization monitoring, watering and any additional activities required to produce a weed-free dense turf. The grow-in and maintenance period shall be considered complete when a healthy, well-rooted, even-colored, viable lawn has been established, free of weeds, surface irregularities and no bare areas greater than 2-1/2 square inch/10 square feet, with no bare area greater than 1 sq in each. Contractor shall notify the Landscape Architect-Owner's Representative in writing requesting an inspection with 48 hours notice to determine final acceptance of all the sprigged areas.

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Florida Certificate of Authorization Number: 00004050

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LANDSCAPE SPECIFICATIONS

RPalmisano

10/28/2022 12:30:04 PM Model

P:\12\121041.01 COJ 2-Way Mobility\Production\Drawings\121041.01\roadway\121041.01-Parklet Landscape.dgn

SHEET NO.

29

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TEMPORARY TRAFFIC CONTROL NOTES:

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES MUTCD (2009) INCLUDING THE 2012 SUPPLEMENT. ALL SIGNING WILL ALSO BE IN ACCORDANCE WITH THE FDOT DESIGN MANUAL 2022 (FDM 2022).
2. NOTIFY THE TRAFFIC ENGINEERING DIVISION MAIN OFFICE A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO IMPLEMENTATION OF TRAFFIC CONTROL PLAN.
3. ANY MODIFICATIONS TO THIS MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE CITY OF JACKSONVILLE TRAFFIC ENGINEERING DIVISION FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
4. PROJECT WORK DAYS ARE SEVEN (7) DAYS PER WEEK WITH THE FOLLOWING EXCEPTIONS:
 -SPECIAL EVENTS
 -HOLIDAYS
5. SIGNING SHALL BE PLACED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL EXISTING SIGNING THAT CONFLICTS WITH TTCP WHILE THE TTCP IS IN EFFECT SHALL BE COMPLETELY COVERED.
6. TWO WEEKS PRIOR TO ANY LANE CLOSURE, PORTABLE MESSAGE SIGNS SHALL BE PLACED ON THE PERTINENT STREET TO NOTIFY THE PUBLIC OF THE IMPENDING CLOSURE, THE DURATION, AND TIME OF THE CLOSURE.

TEMPORARY TRAFFIC CONTROL PLAN PHASING:

ADAMS AND FORSYTH STREETS

1. UTILIZING FDOT 102-600, PHASE I TTCP TYPICAL SECTIONS, AND PHASE I TRAFFIC CONTROL DETAIL:

A. UTILIZING FDOT 102-613, MILL AND RESURFACE NORTH SIDE TRAVEL LANES. CONTRACTOR TO TAKE ALL EFFORTS POSSIBLE TO MAINTAIN ON-STREET PARKING.

B. UTILIZING FDOT 102-600 CRITERIA FOR OVERHEAD WORK, INSTALL ALL SIGNAL EQUIPMENT ALONG NORTHERN ROADSIDE WITHIN PHASE I WORK ZONE. INSTALL PROPOSED SIGNAL HEADS ON SIGNAL POLES THAT ARE TO REMAIN AND CONCEAL WITH BAGS. INSTALL PROPOSED SIGNAL POLE FOUNDATIONS, POLES, LUMINAIRES, AND SIGNALS WITHIN PHASE I WORK ZONE AND CONCEAL ALL SIGNAL HEADS THAT WOULD CONFLICT WITH CURRENT TRAVEL OPERATIONS.

C. UTILIZING 102-660 WHERE NECESSARY, INSTALL ALL HARDSCAPE FURNISHINGS WITHIN THE PHASE I WORK ZONE. MAINTAIN SIDEWALK ACCESS IN ACCORDANCE WITH MUTCD AND APPLICABLE ADA CRITERIA. MAINTAIN ACCESS TO BUSINESSES AND DRIVEWAYS.

2. UTILIZING FDOT 102-600, PHASE II TTCP TYPICAL SECTIONS, AND PHASE II TRAFFIC CONTROL DETAIL:


A. UTILIZING FDOT 102-613, MILL AND RESURFACE SOUTH SIDE TRAVEL LANES. CONTRACTOR TO TAKE ALL EFFORTS POSSIBLE TO MAINTAIN ON-STREET PARKING.

B. UTILIZING FDOT 102-600 CRITERIA FOR OVERHEAD WORK, INSTALL ALL SIGNAL EQUIPMENT ALONG SOUTHERN ROADSIDE WITHIN PHASE II WORK ZONE. INSTALL PROPOSED SIGNAL HEADS ON SIGNAL POLES THAT ARE TO REMAIN AND CONCEAL WITH BAGS. INSTALL PROPOSED SIGNAL POLE FOUNDATIONS, POLES, LUMINAIRES, AND SIGNALS WITHIN PHASE II WORK ZONE AND CONCEAL ALL SIGNAL HEADS THAT WOULD CONFLICT WITH CURRENT TRAVEL OPERATIONS.

C. UTILIZING 102-660 WHERE NECESSARY, INSTALL ALL HARDSCAPE FURNISHINGS WITHIN THE PHASE II WORK ZONE. MAINTAIN SIDEWALK ACCESS IN ACCORDANCE WITH MUTCD AND APPLICABLE ADA CRITERIA. MAINTAIN ACCESS TO BUSINESSES AND DRIVEWAYS.

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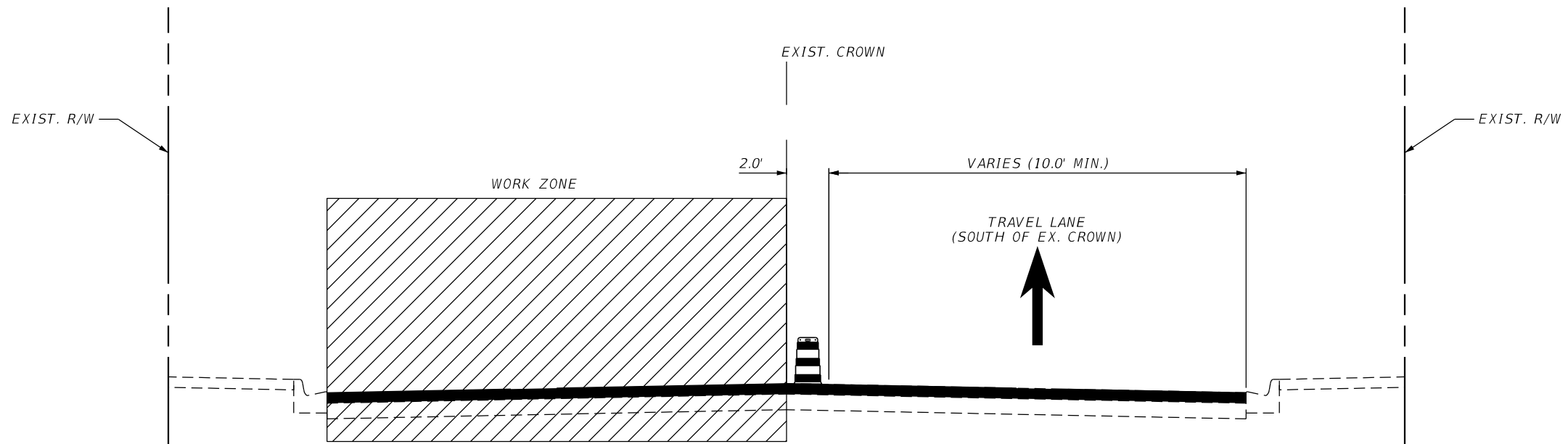


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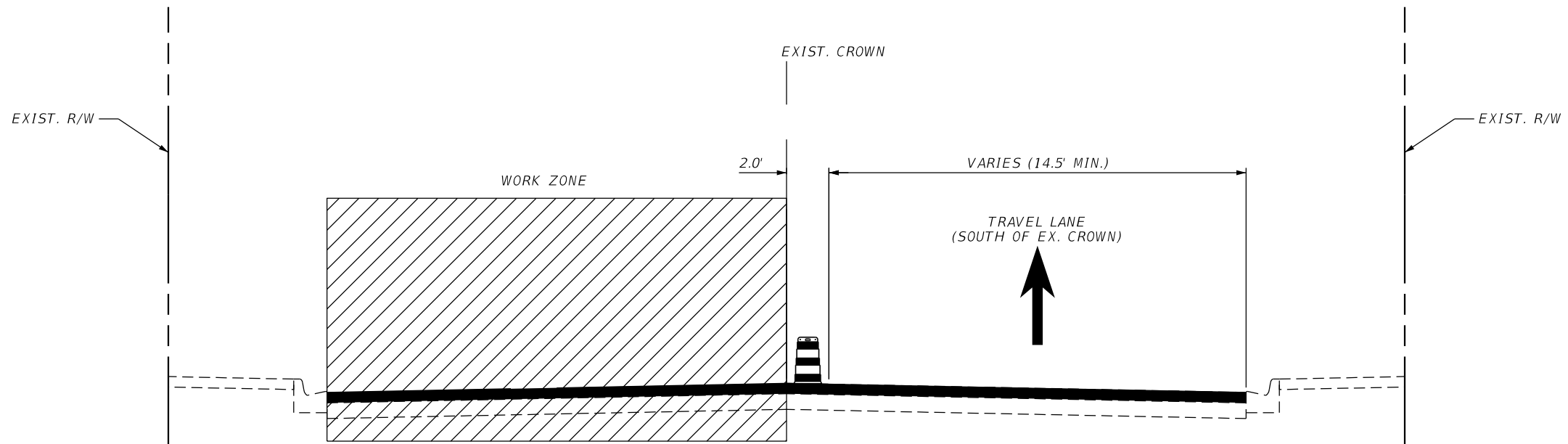
TEMPORARY TRAFFIC
 CONTROL NOTES

SHEET NO.
30

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ADAMS STREET
 PHASE 1
 STA. 33+55.00 TO STA. 77+07.30



FORSYTH STREET
 PHASE 1
 STA. 38+17.34 TO STA. 81+92.90

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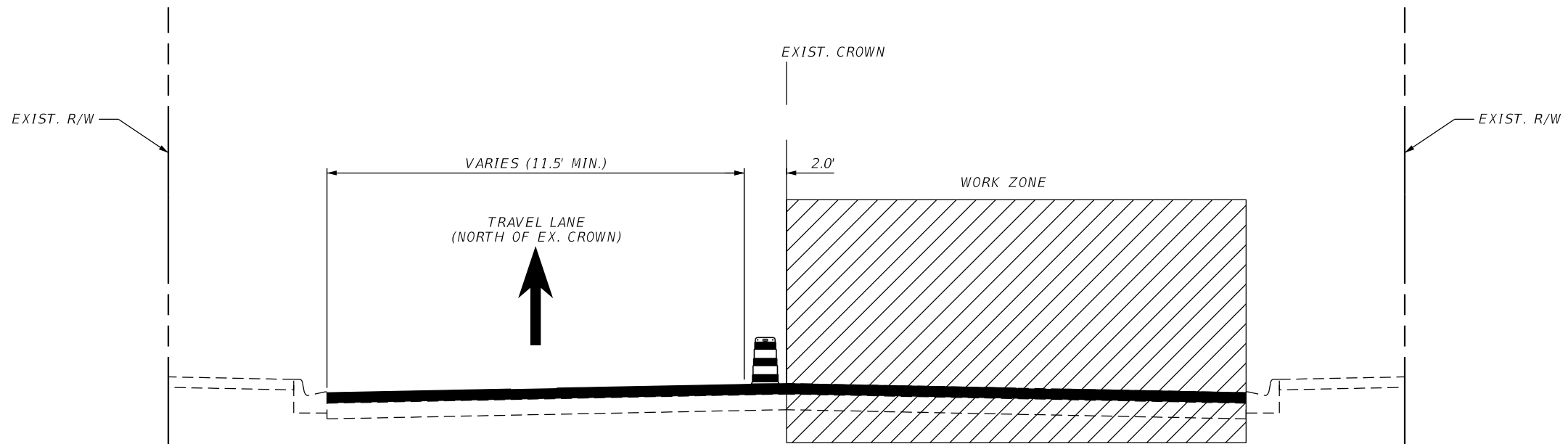


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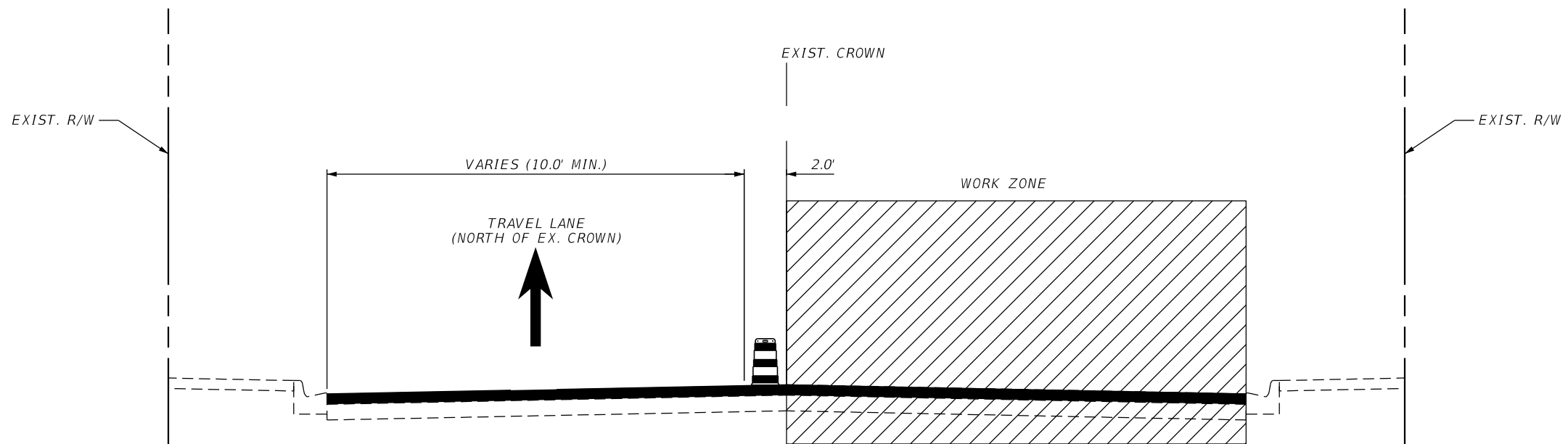
TTC TYPICAL SECTIONS
 ADAMS ST. & FORSYTH ST.

SHEET NO.

31



ADAMS STREET
PHASE 2
STA. 33+55.00 TO STA. 77+07.30



FORSYTH STREET
PHASE 2
STA. 38+17.34 TO STA. 81+92.90

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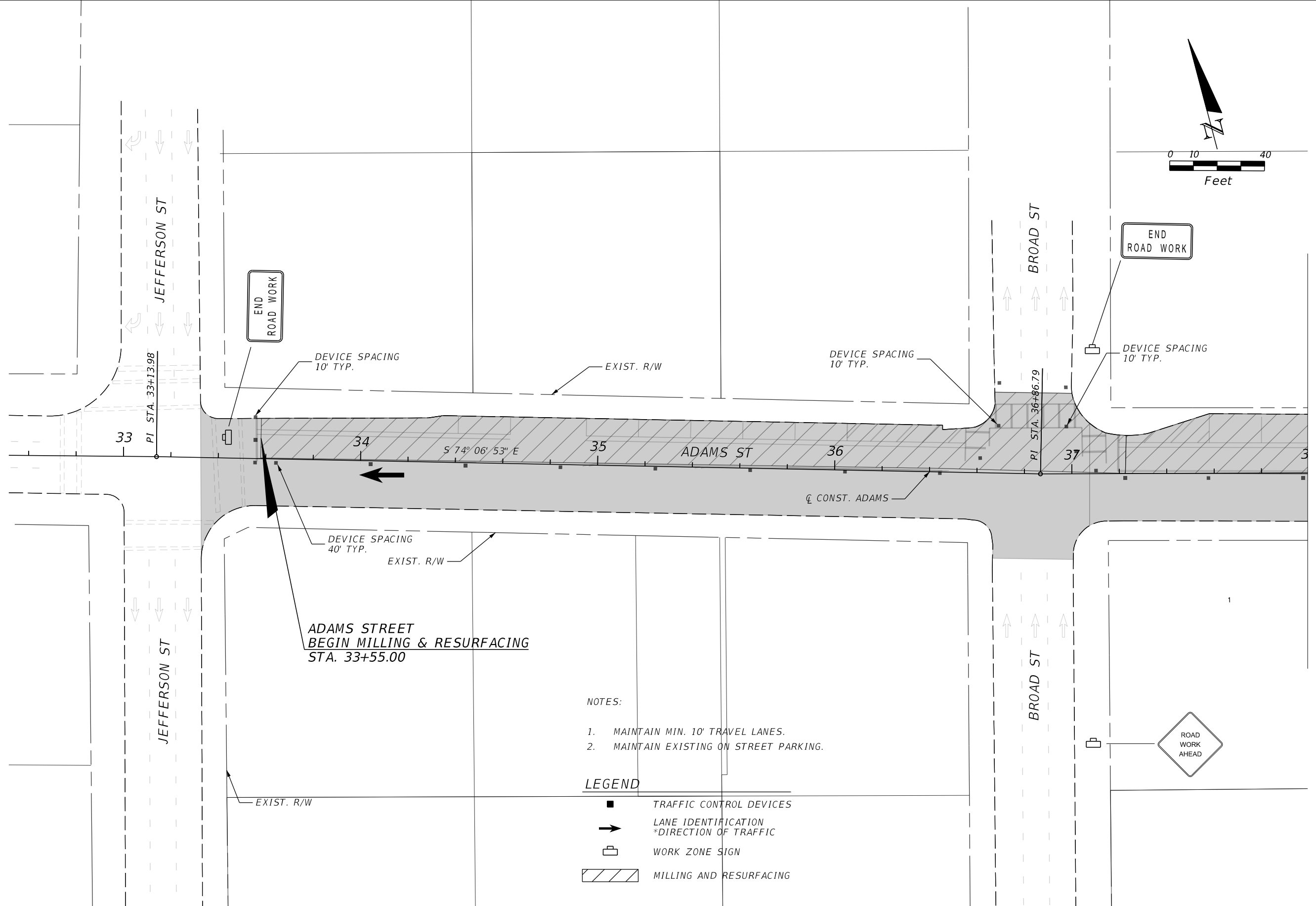
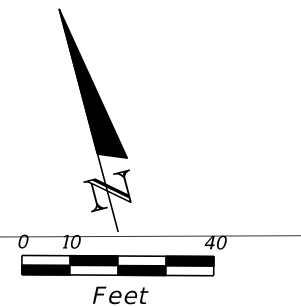


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TTC TYPICAL SECTIONS
ADAMS ST. & FORSYTH ST.

SHEET NO.

32



**ADAMS STREET
BEGIN MILLING & RESURFACING
STA. 33+55.00**

- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - ☐ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

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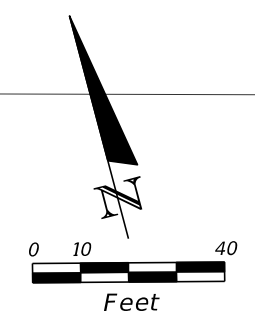


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TRAFFIC CONTROL DETAIL

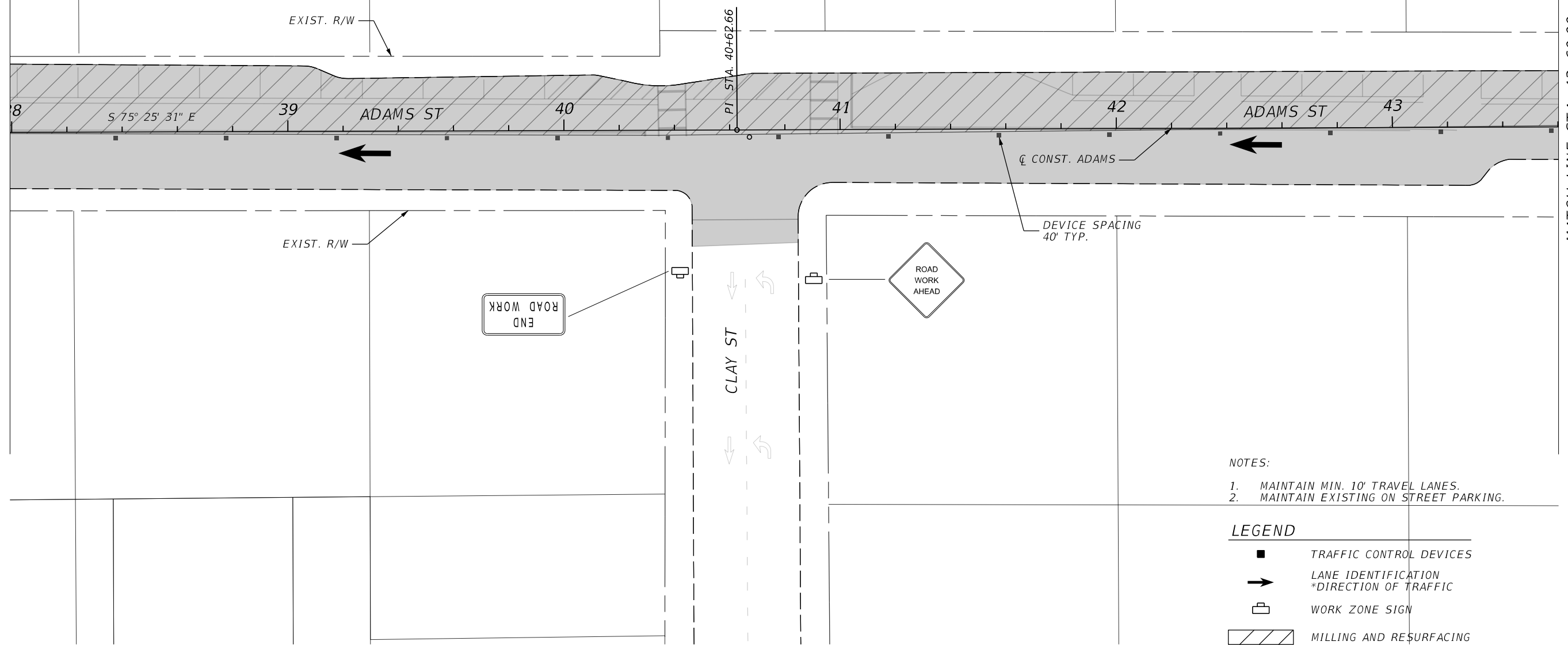
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MATCH LINE STA. 38+00.00

MATCH LINE STA. 43+60.00




- NOTES:
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LEGEND

	TRAFFIC CONTROL DEVICES
	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	MILLING AND RESURFACING

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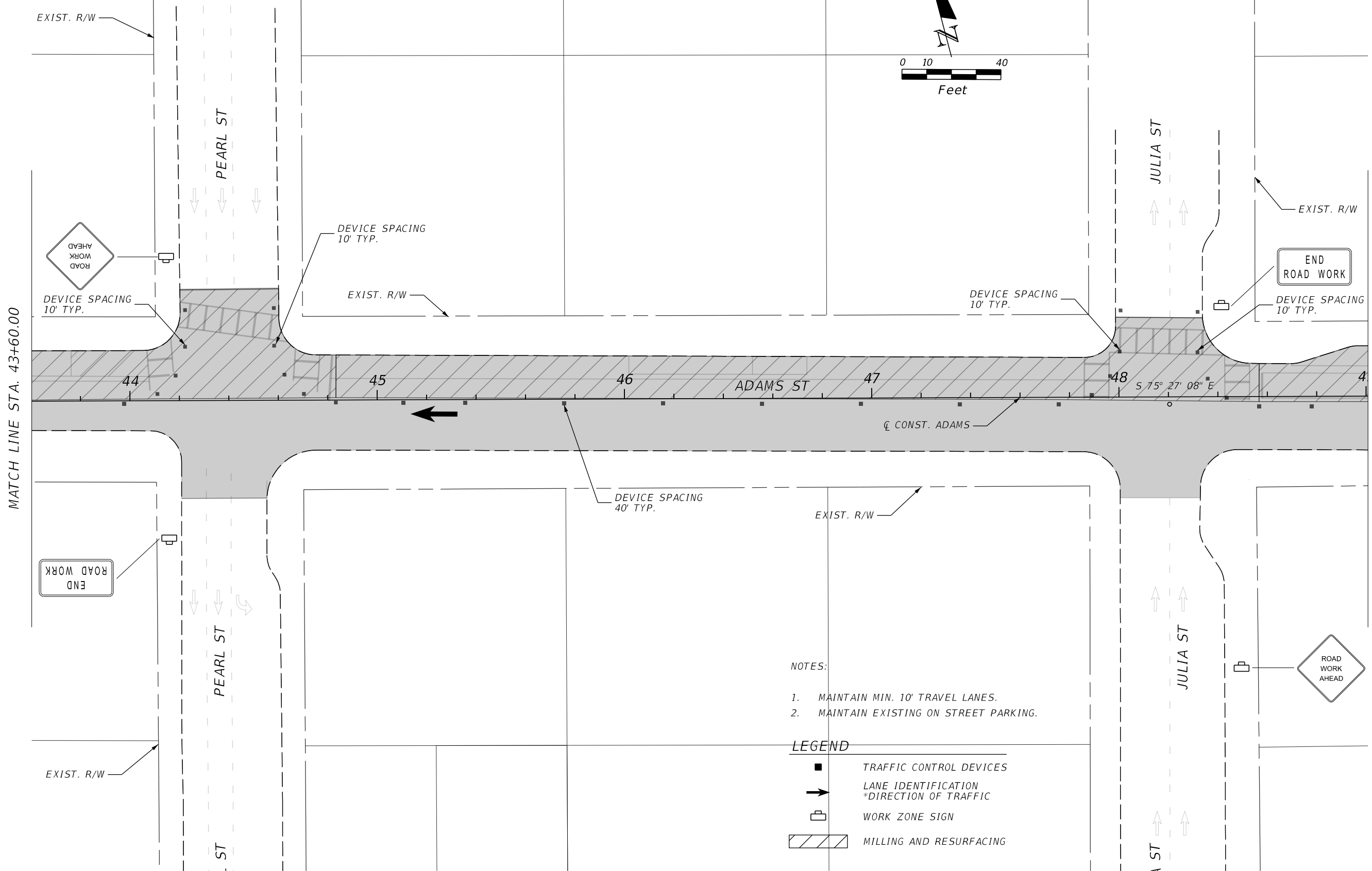
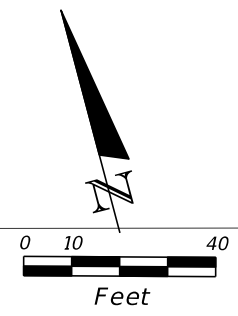


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TRAFFIC CONTROL DETAIL

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- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

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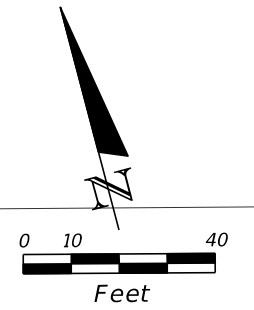


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TRAFFIC CONTROL DETAIL

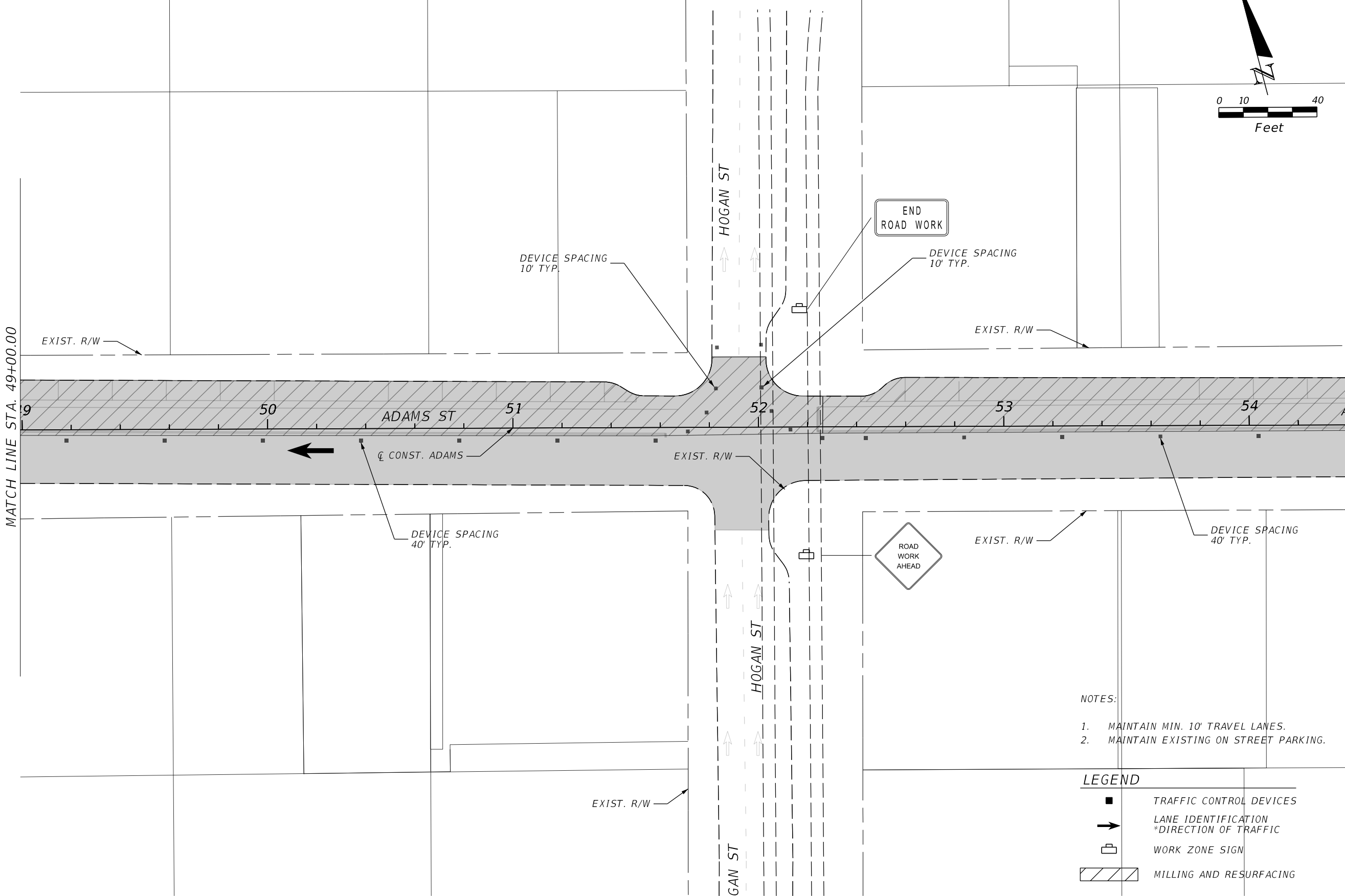
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MATCH LINE STA. 49+00.00

MATCH LINE STA. 54+40.00



- NOTES:
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LEGEND

■	TRAFFIC CONTROL DEVICES
➔	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
▭	WORK ZONE SIGN
▨	MILLING AND RESURFACING

REVISIONS			
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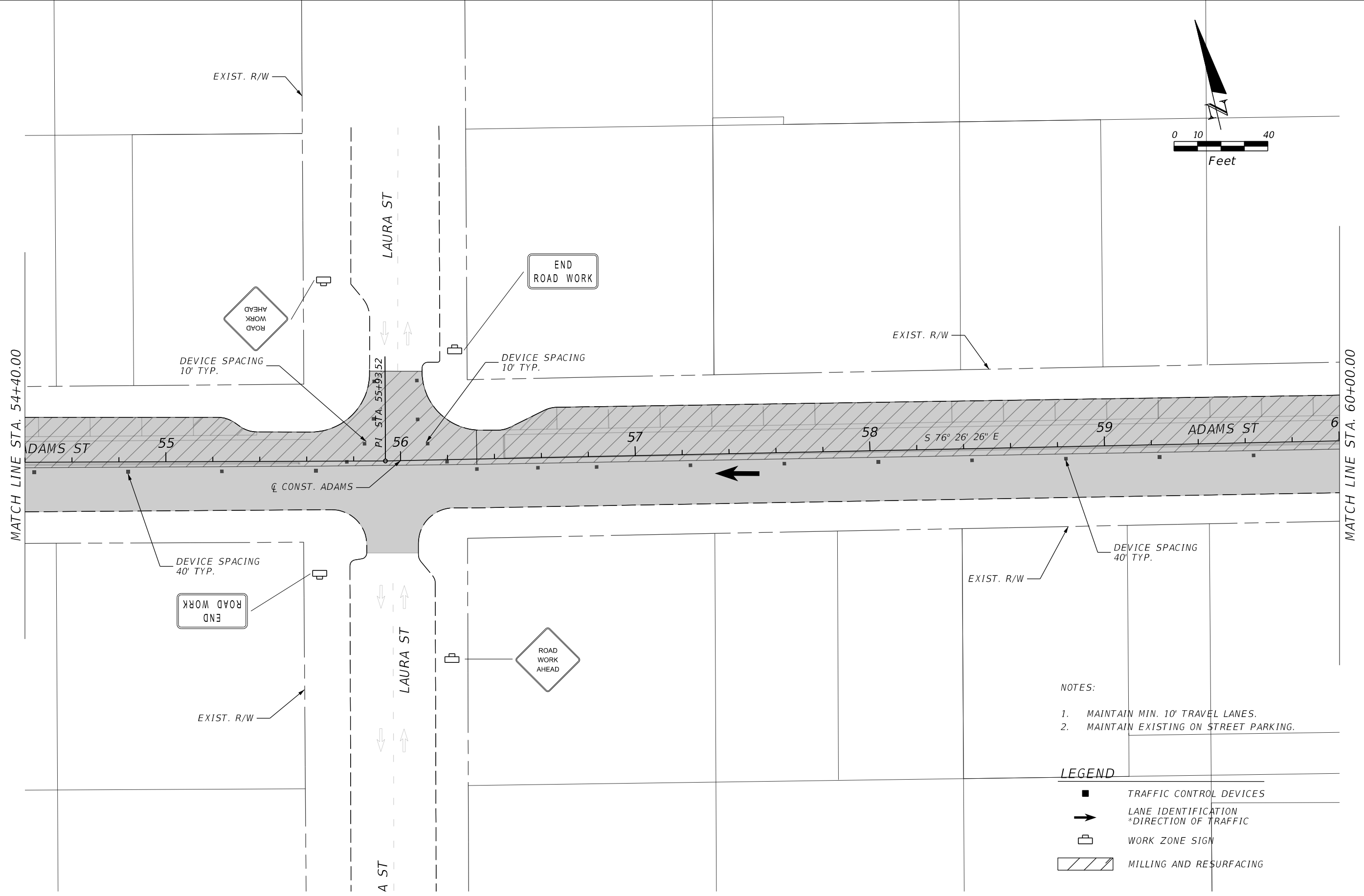
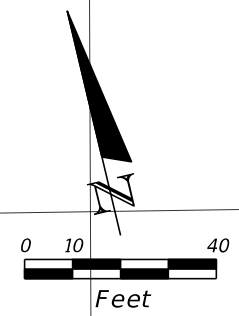


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TRAFFIC CONTROL DETAIL

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- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - ☐ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

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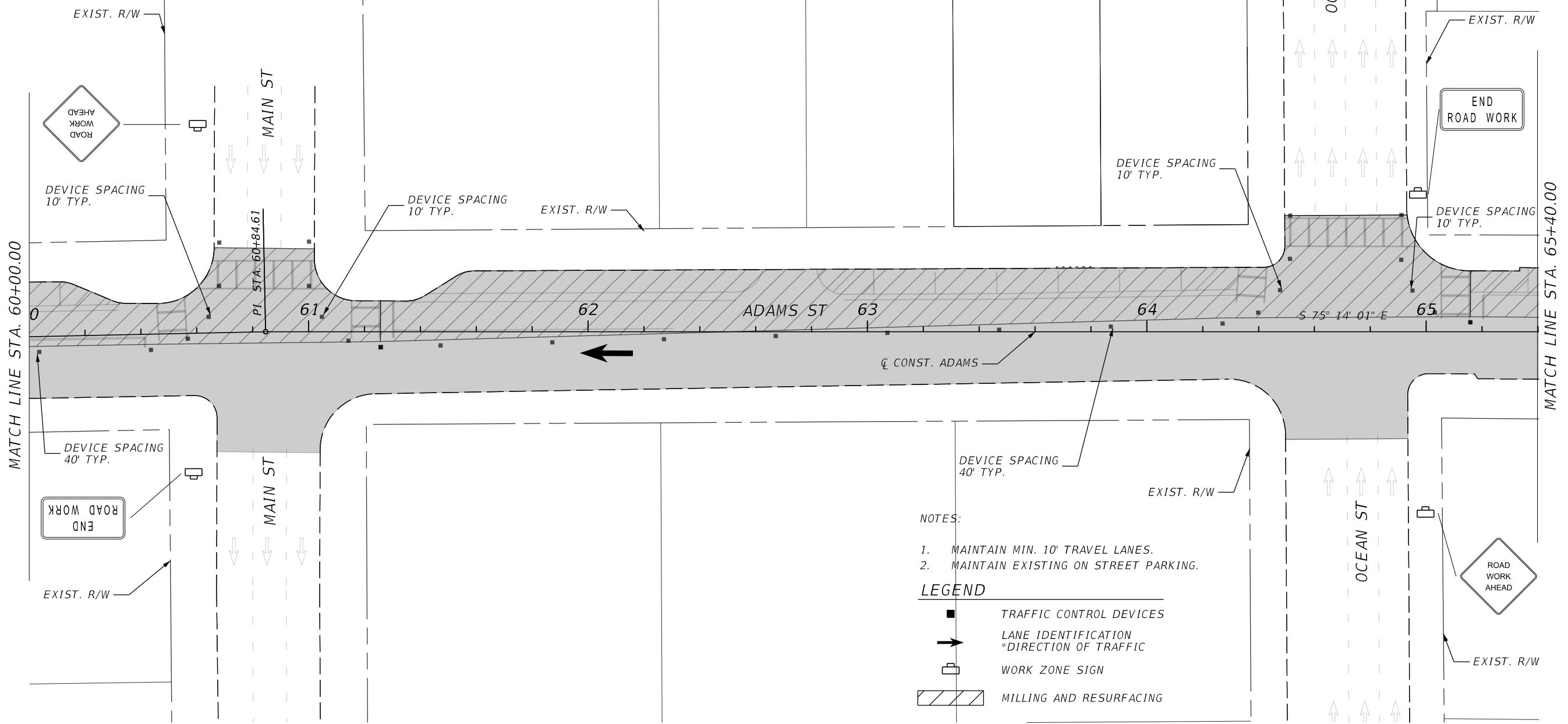
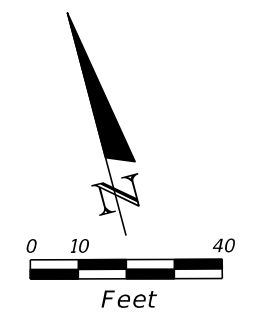


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TRAFFIC CONTROL DETAIL

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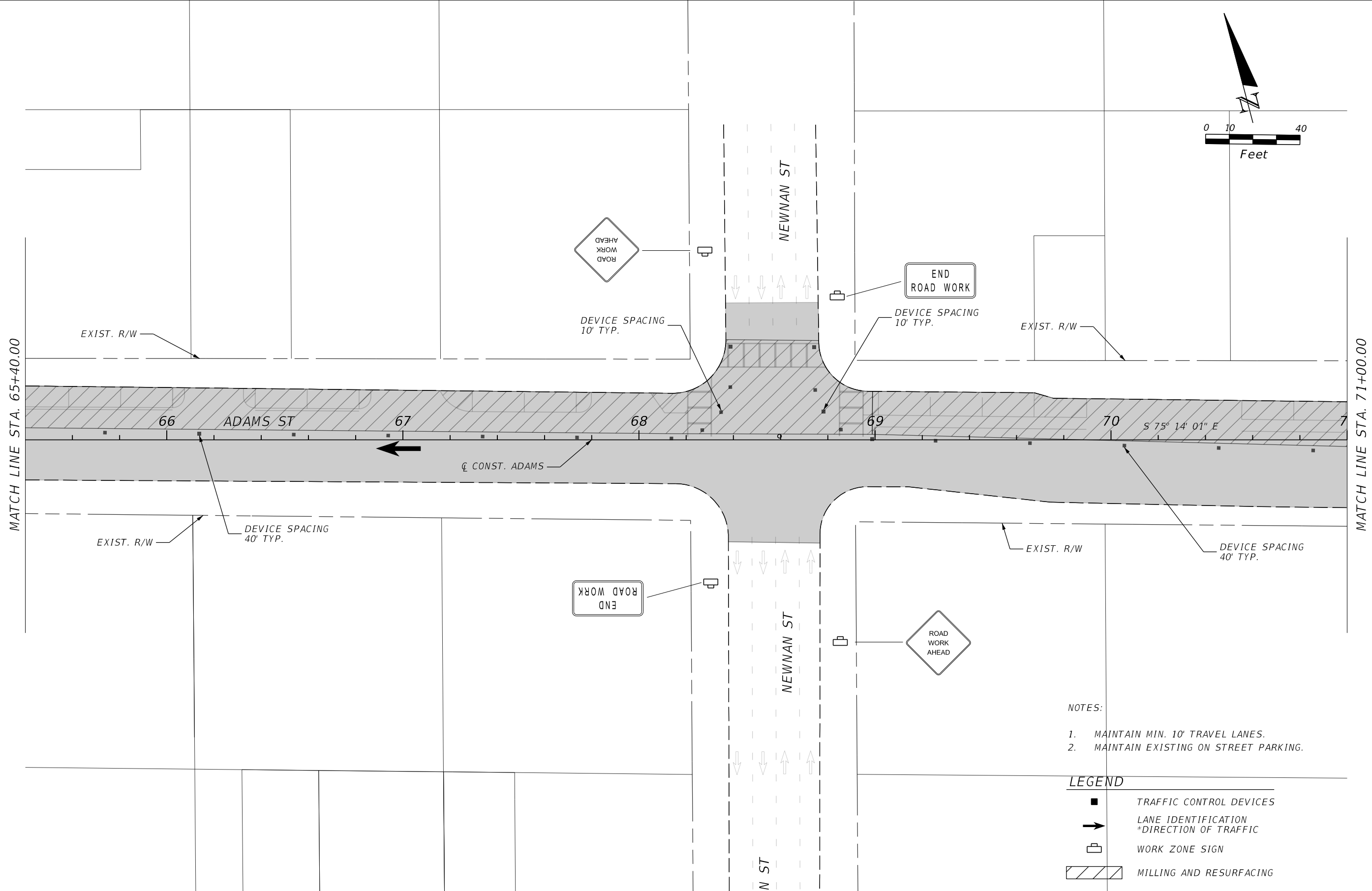
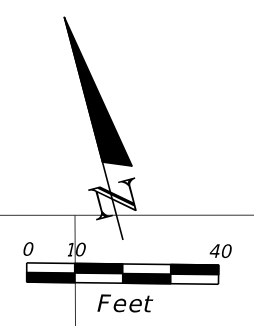


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TRAFFIC CONTROL DETAIL

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NOTES:

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LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- ☐ WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

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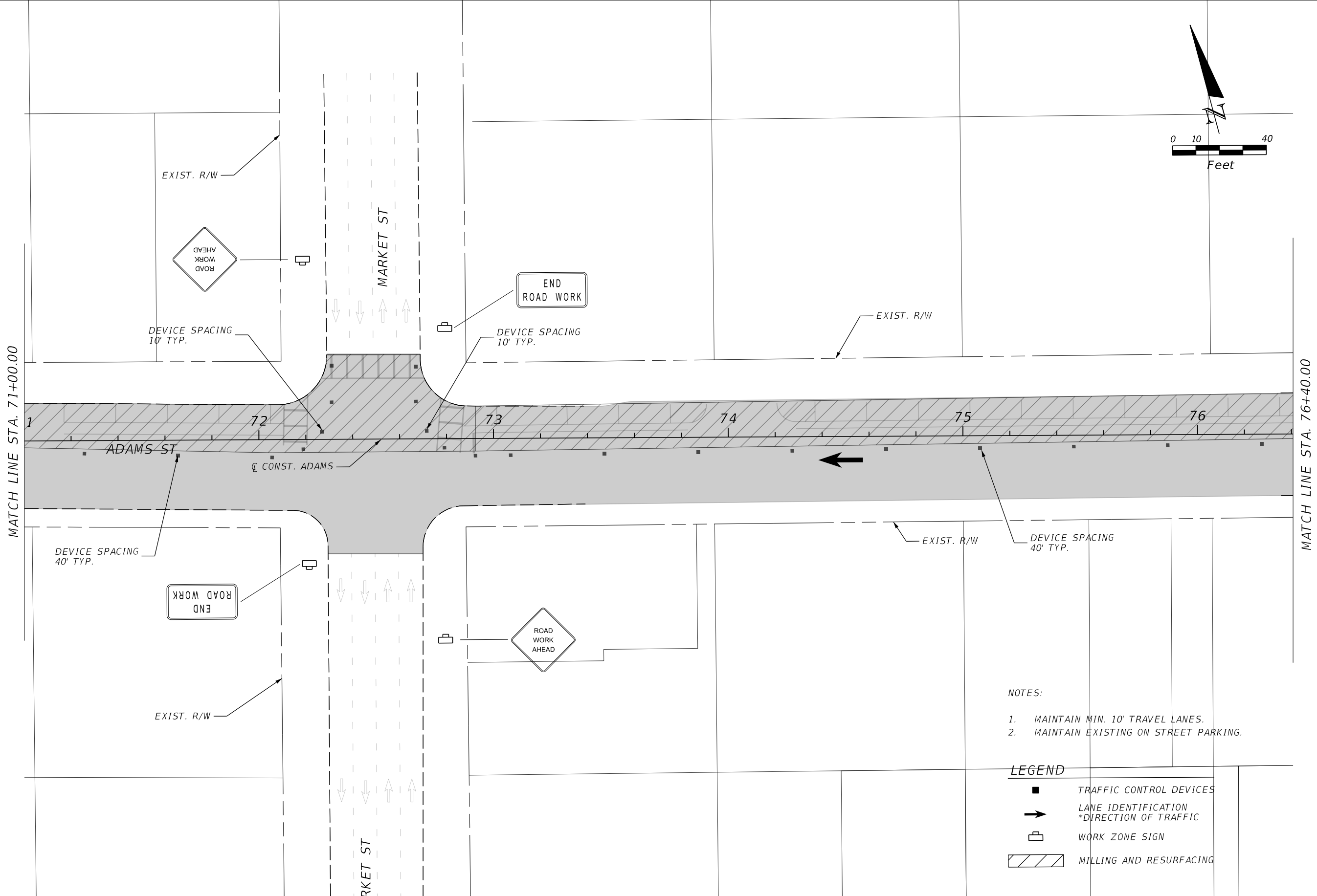
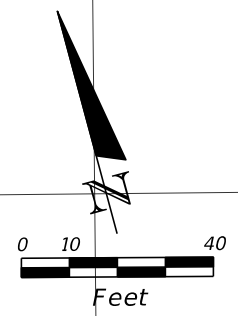


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TRAFFIC CONTROL DETAIL

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LEGEND

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	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	MILLING AND RESURFACING

REVISIONS			
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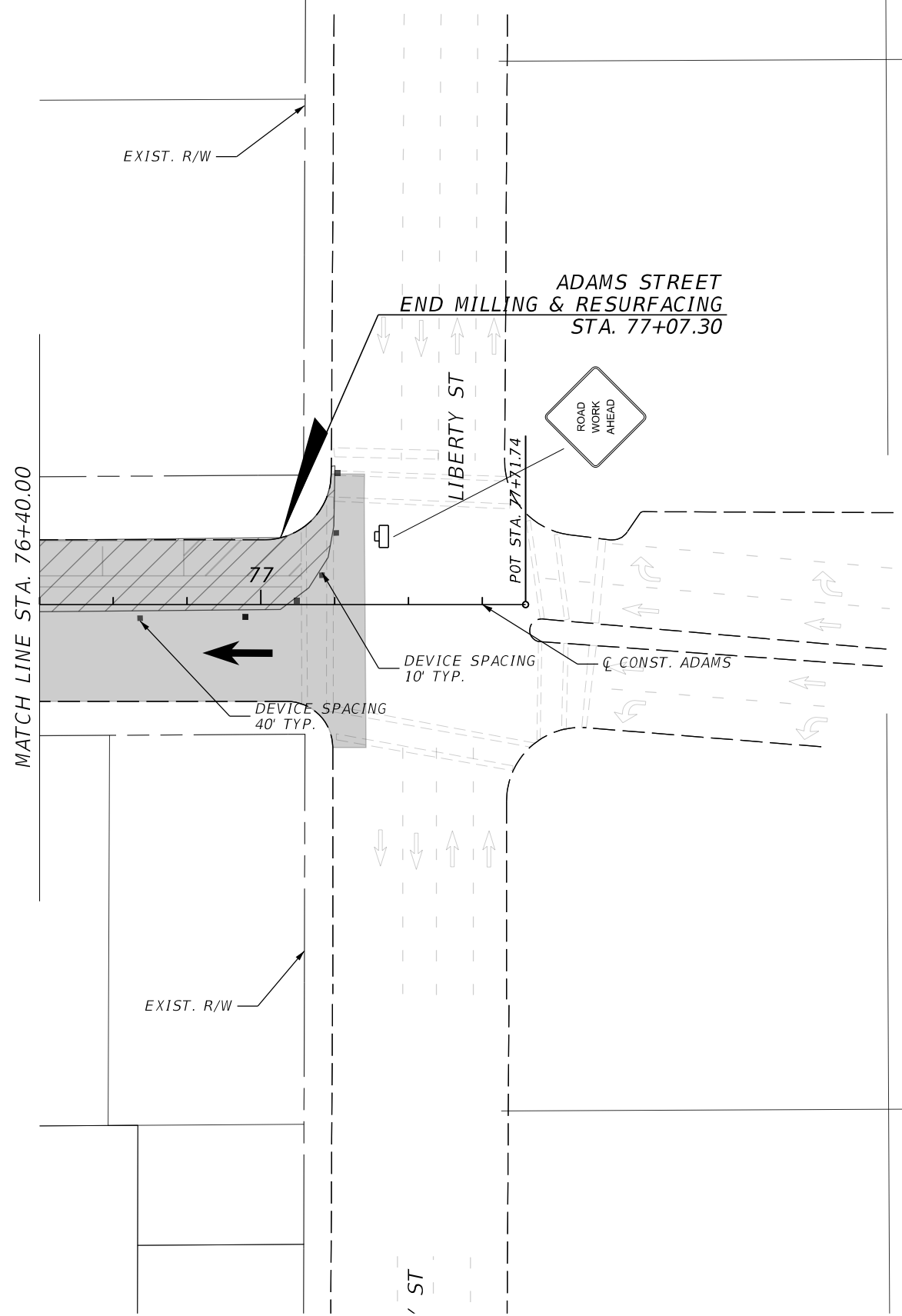
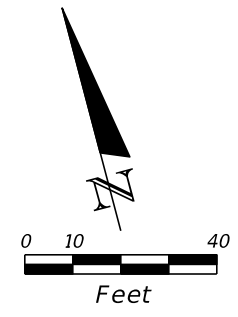
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PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
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NOTES:

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2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- WORK ZONE SIGN
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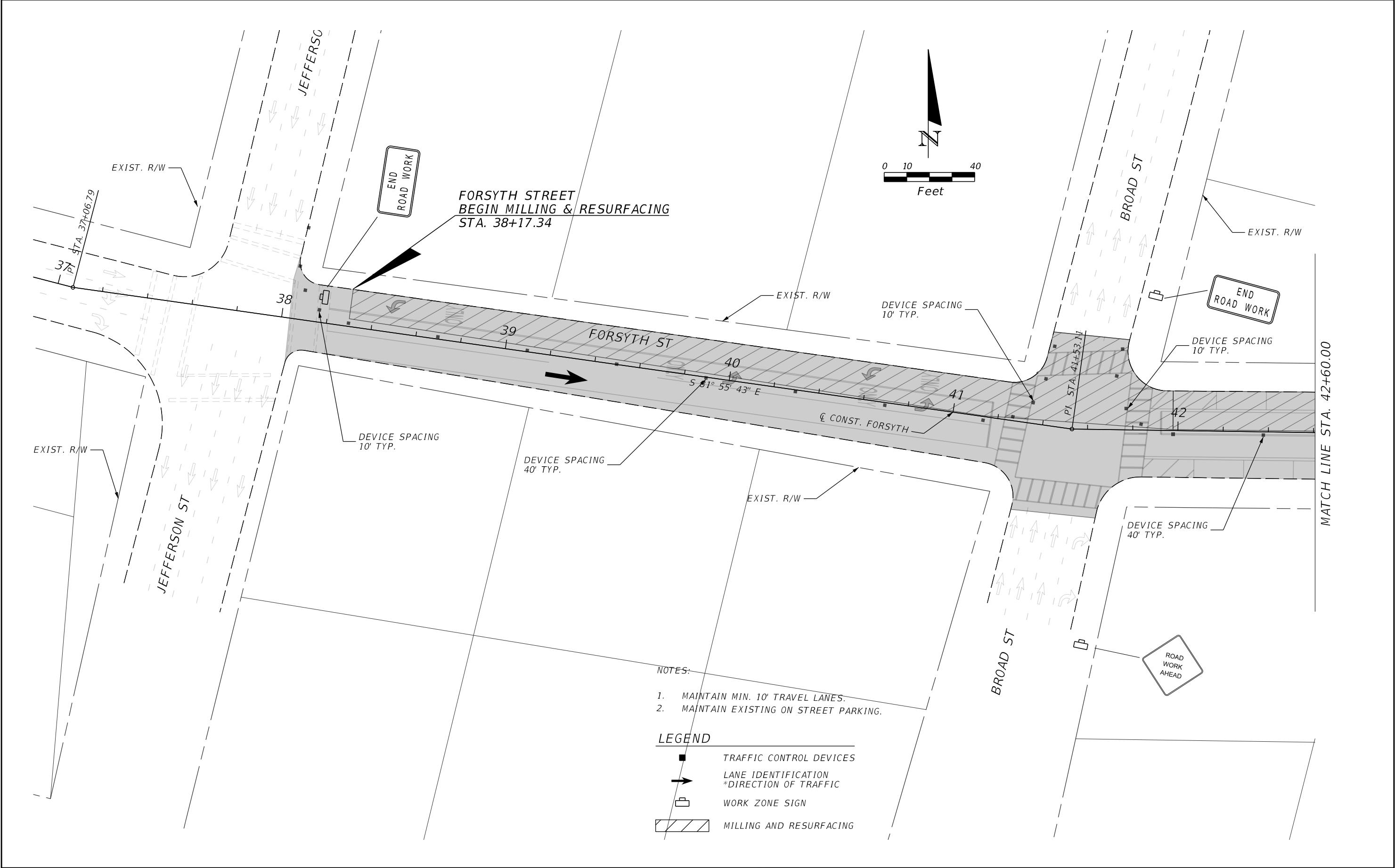


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
 41

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

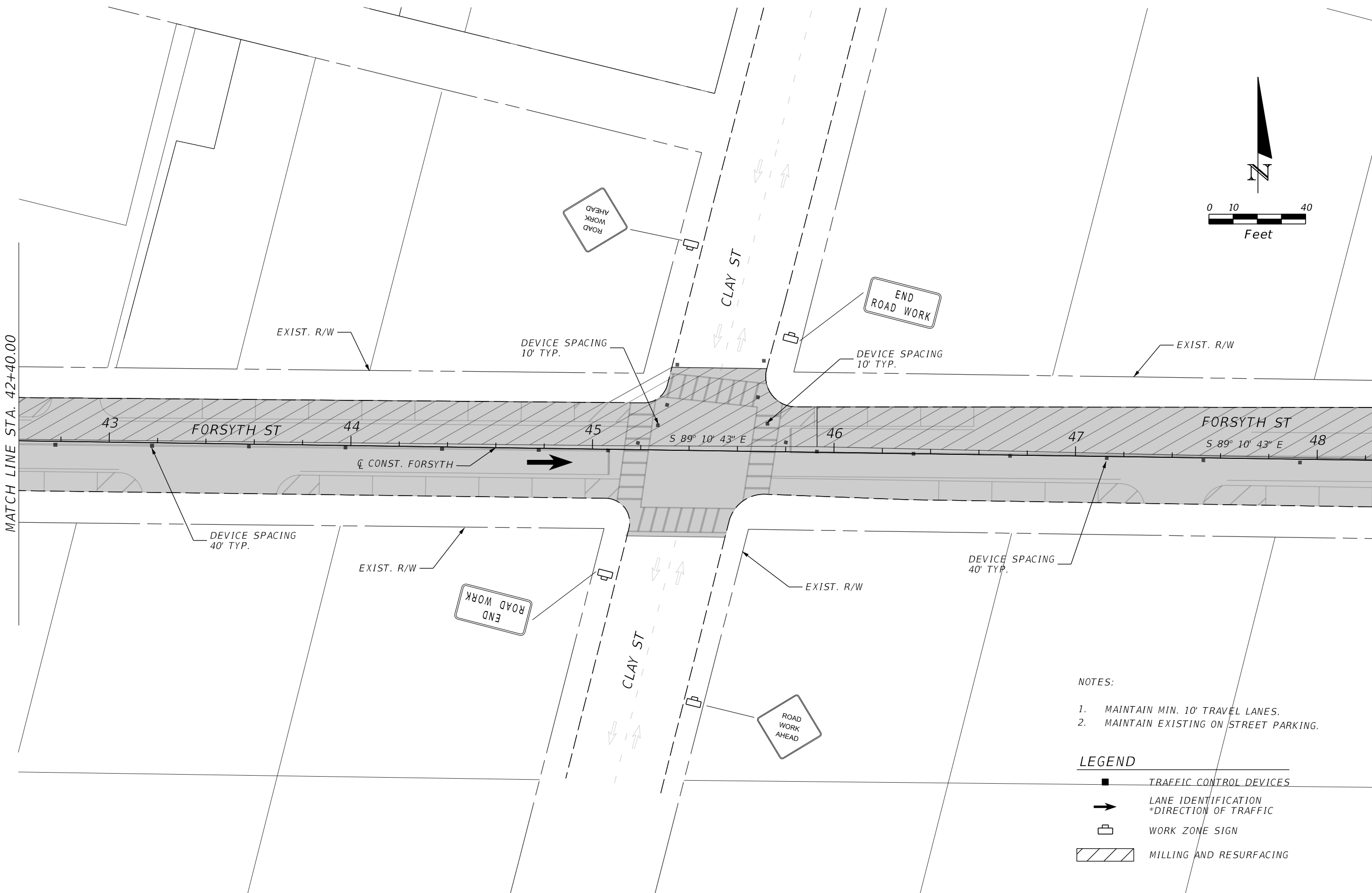
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 CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
 42




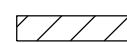
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NOTES:


1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

-  TRAFFIC CONTROL DEVICES
-  LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
-  WORK ZONE SIGN
-  MILLING AND RESURFACING

REVISIONS	
DATE	DESCRIPTION

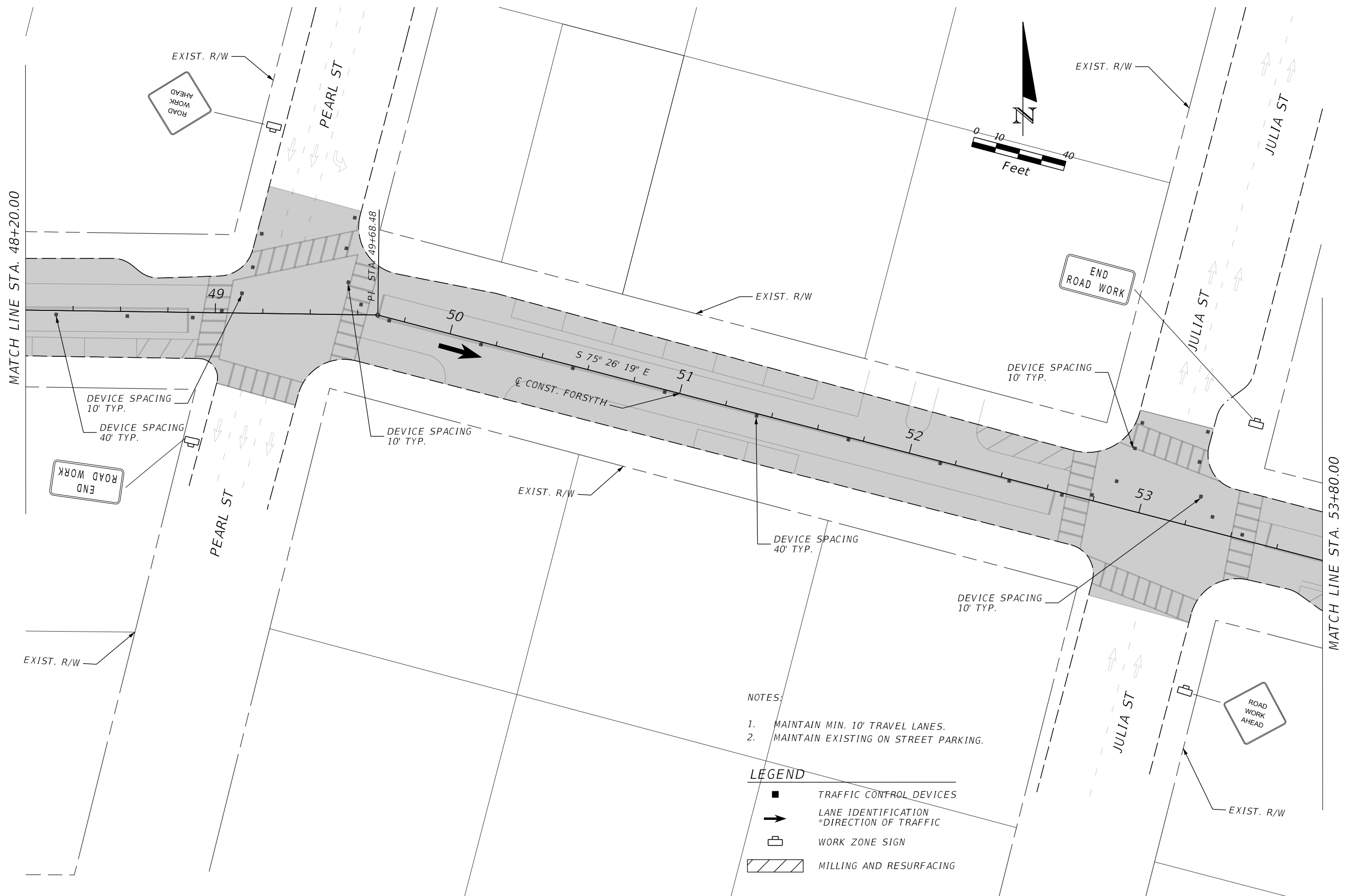
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TRAFFIC CONTROL DETAIL

SHEET NO.
43

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- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - ◇ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
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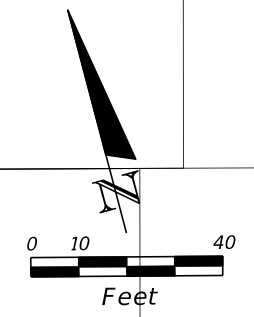


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

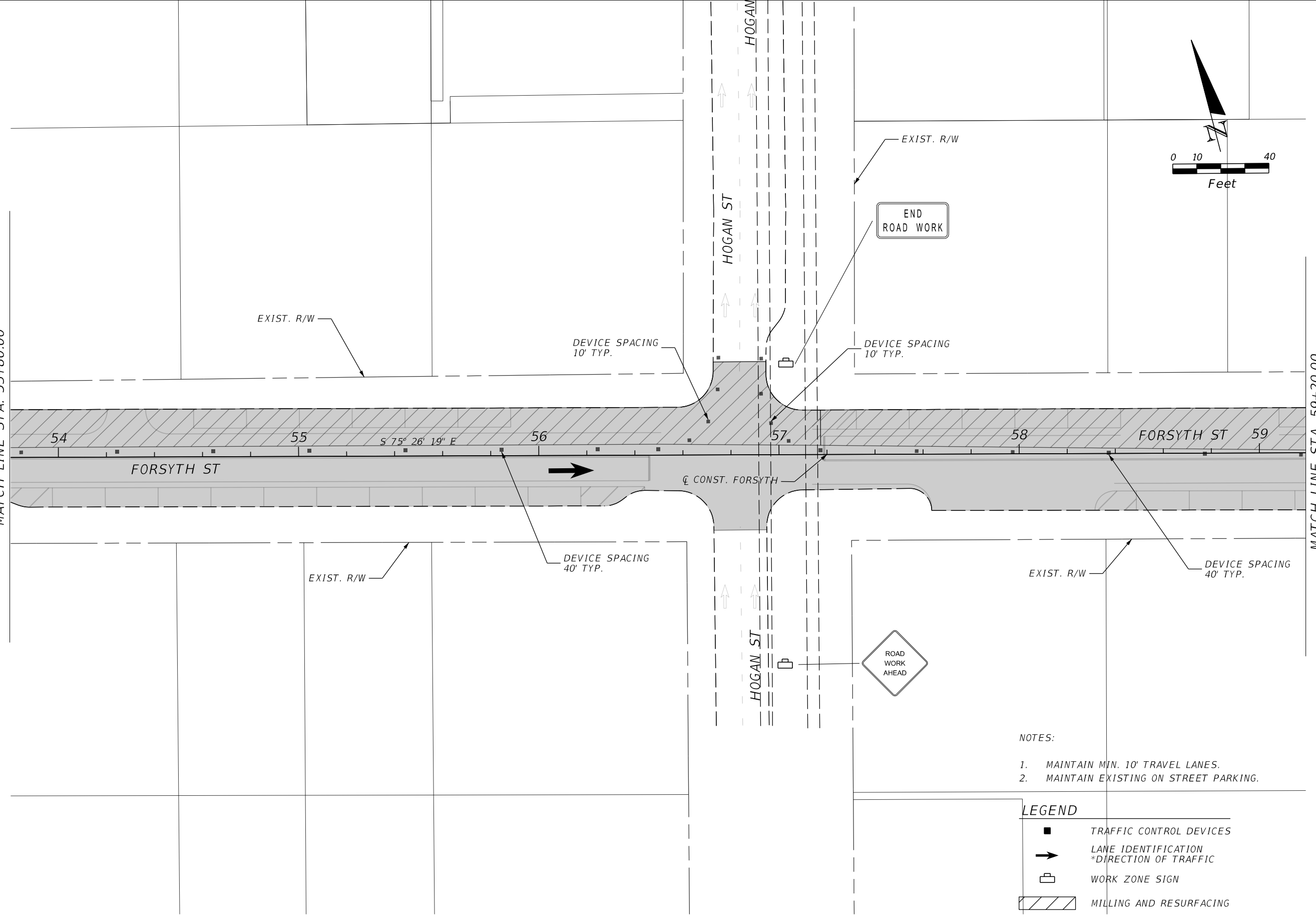
SHEET NO.
 44

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MATCH LINE STA. 53+80.00

MATCH LINE STA. 59+20.00



NOTES:

1. MAINTAIN MIN. 10' TRAVEL LANES.
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LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- ☐ WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

REVISIONS			
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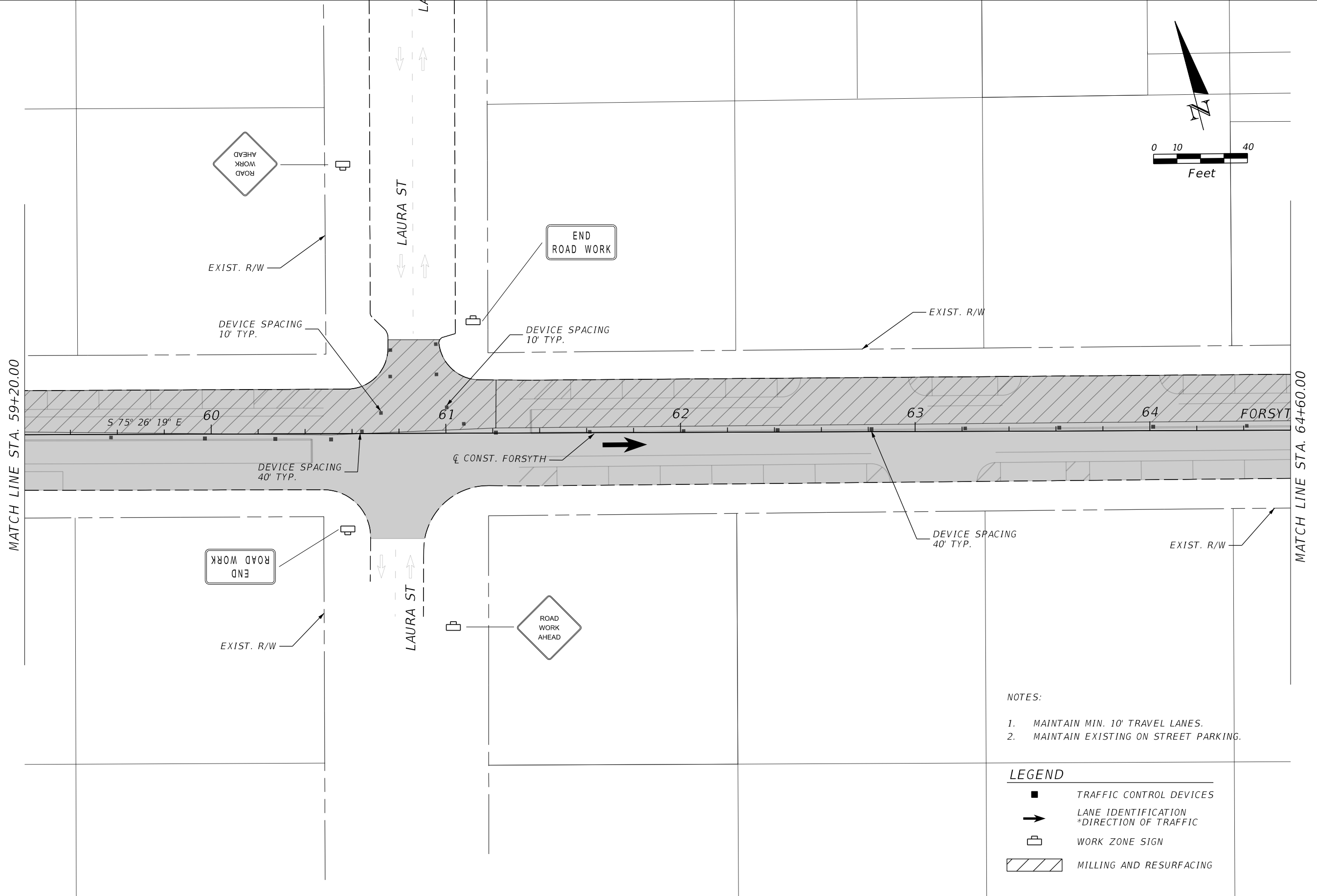
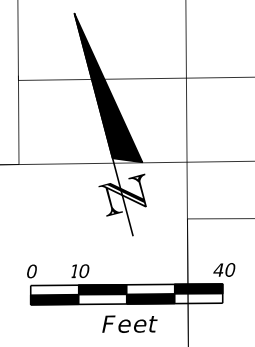


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TRAFFIC CONTROL DETAIL

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45

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- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
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- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

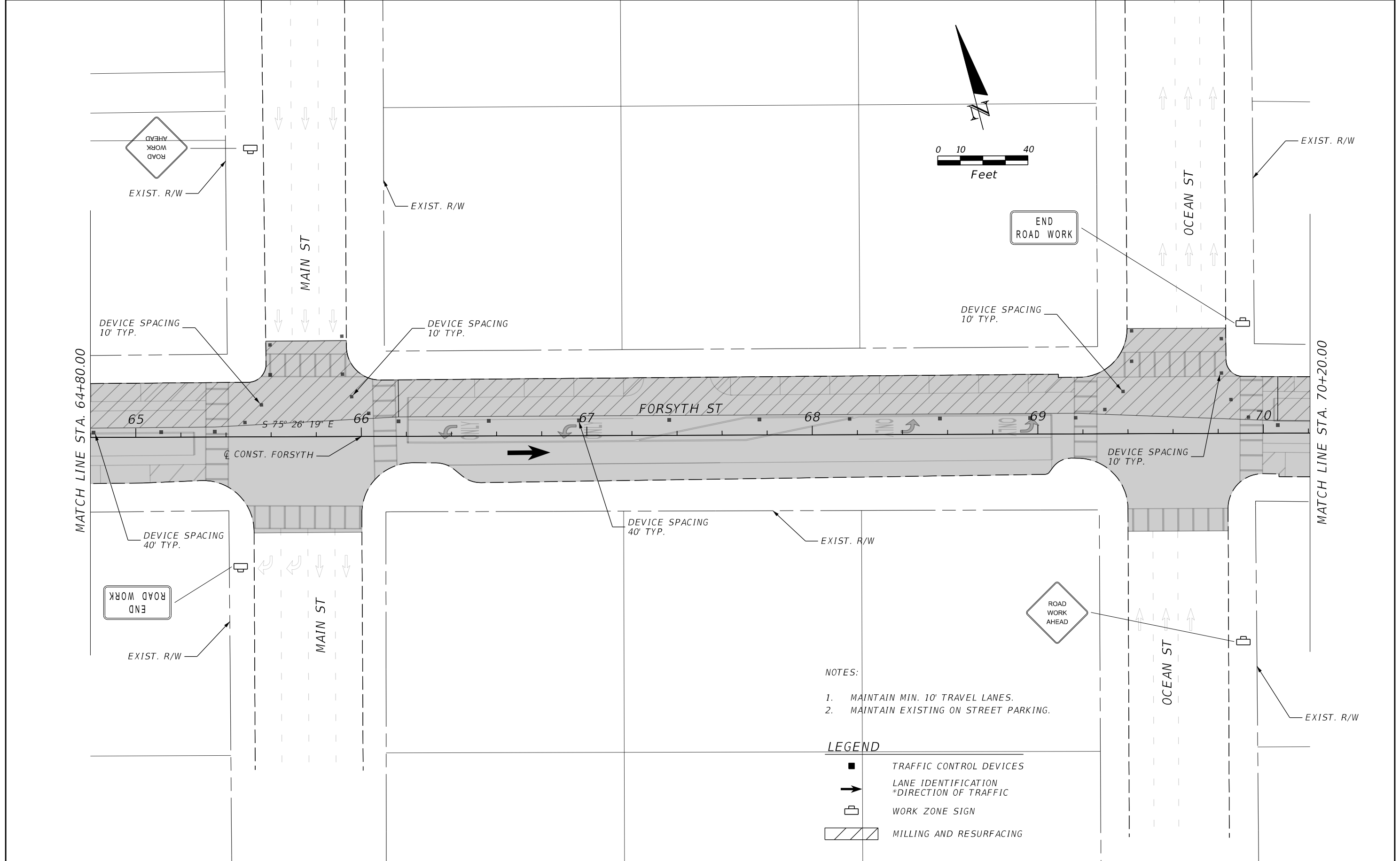
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SHEET NO.	46
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NOTES:


1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION *DIRECTION OF TRAFFIC
- Ⓜ WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

REVISIONS			
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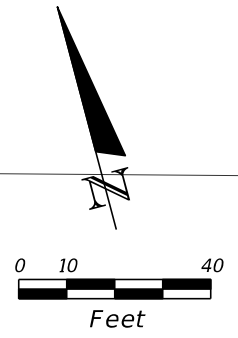


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 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

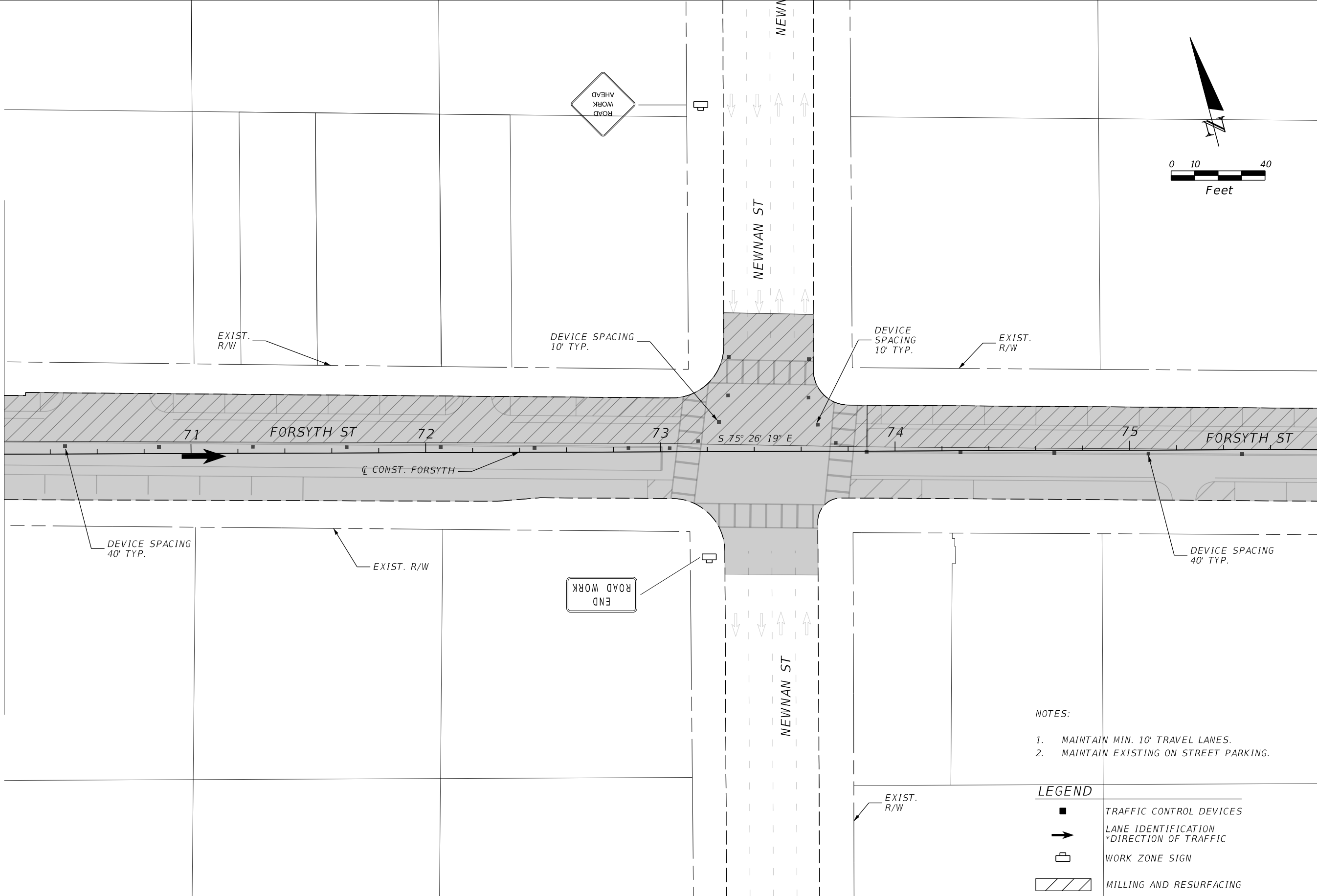
SHEET NO.
 47

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MATCH LINE STA. 70+20.00

MATCH LINE STA. 75+80.00



- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND	
	TRAFFIC CONTROL DEVICES
	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

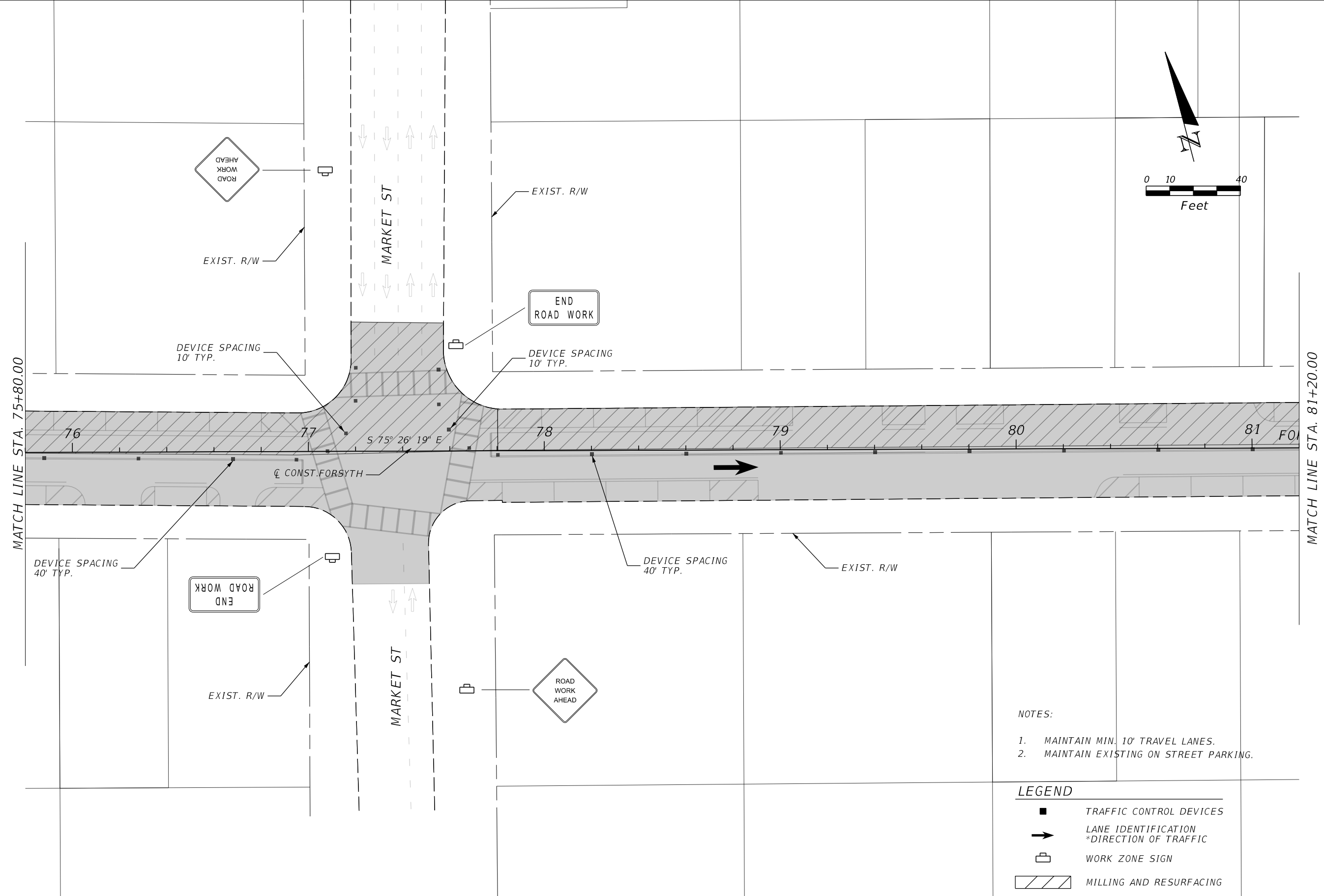
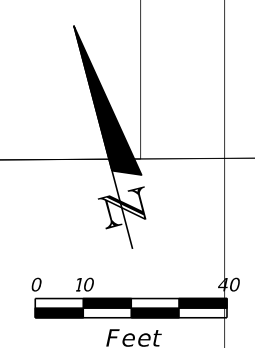
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TRAFFIC CONTROL DETAIL

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48

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- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

	TRAFFIC CONTROL DEVICES
	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

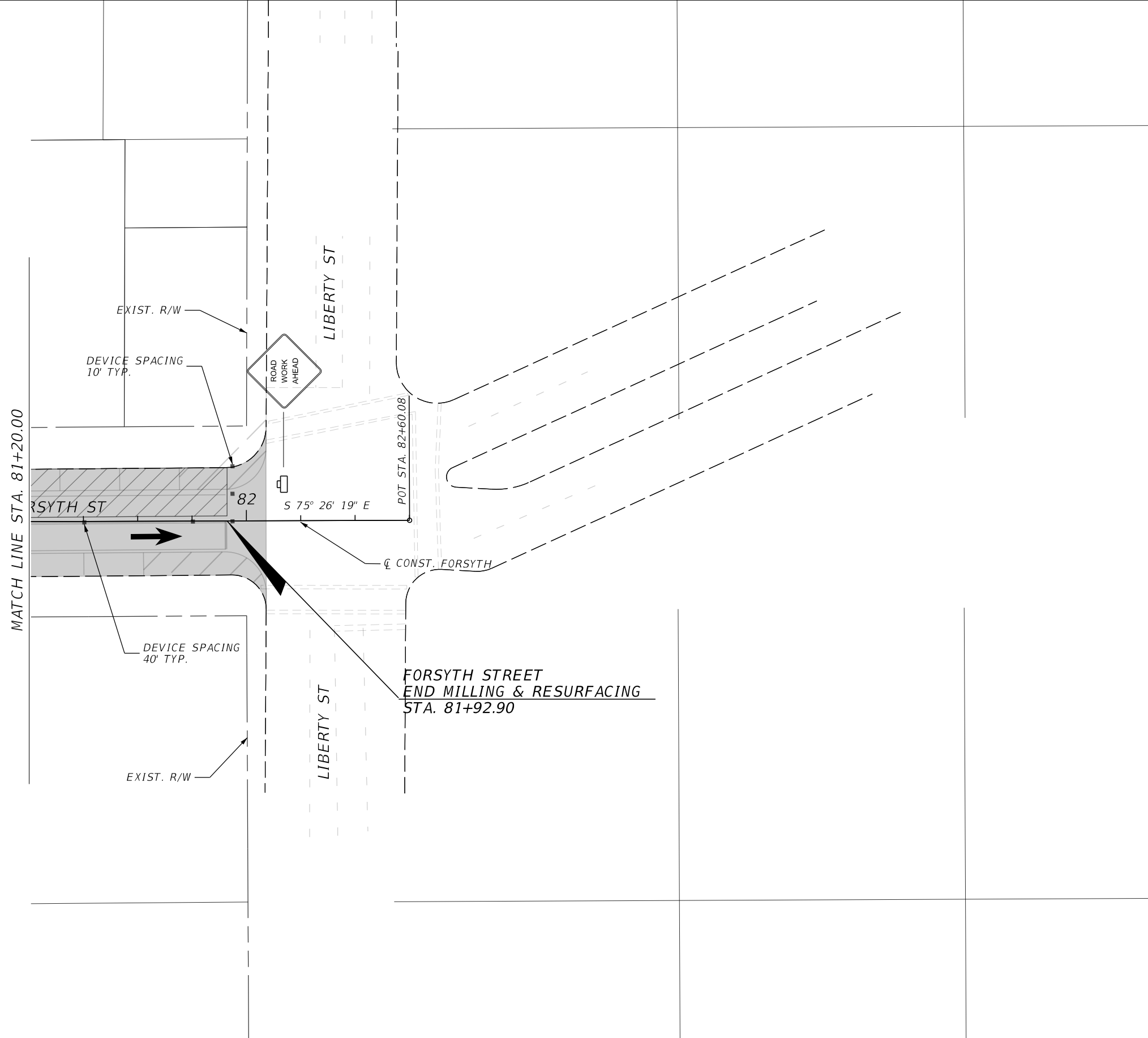
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TRAFFIC CONTROL DETAIL

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49

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NOTES:


1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- ☒ WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

REVISIONS	
DATE	DESCRIPTION

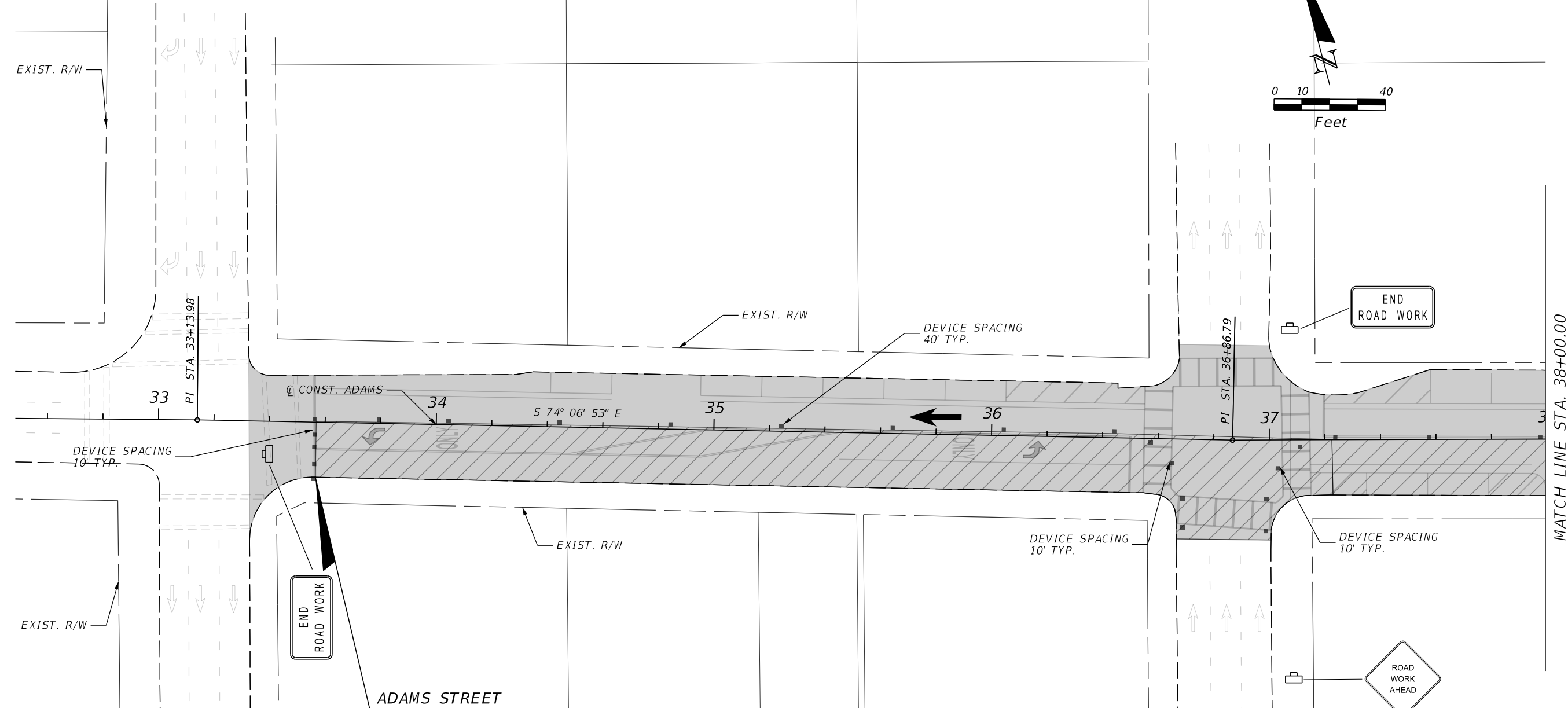
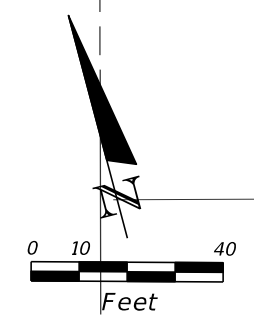
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TRAFFIC CONTROL DETAIL

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 50

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ADAMS STREET
BEGIN MILLING & RESURFACING
STA. 33+55.00

- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - ☐ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
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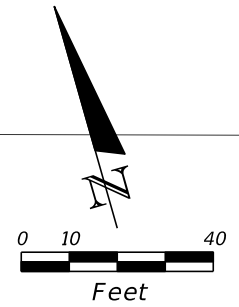


CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

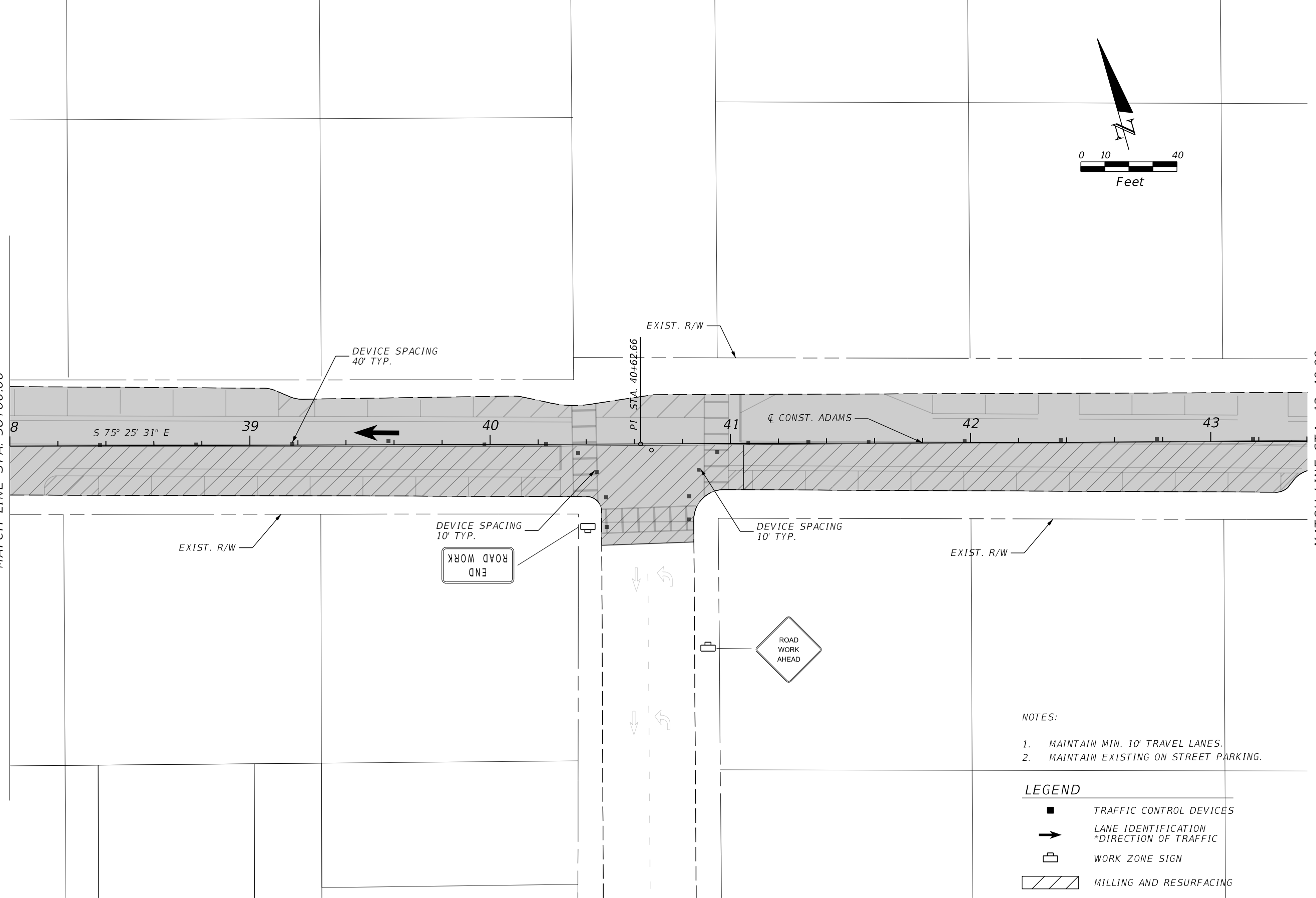
SHEET NO.
51

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MATCH LINE STA. 38+00.00

MATCH LINE STA. 43+40.00

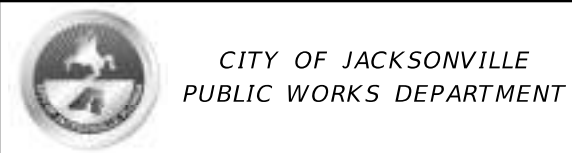


- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND**
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

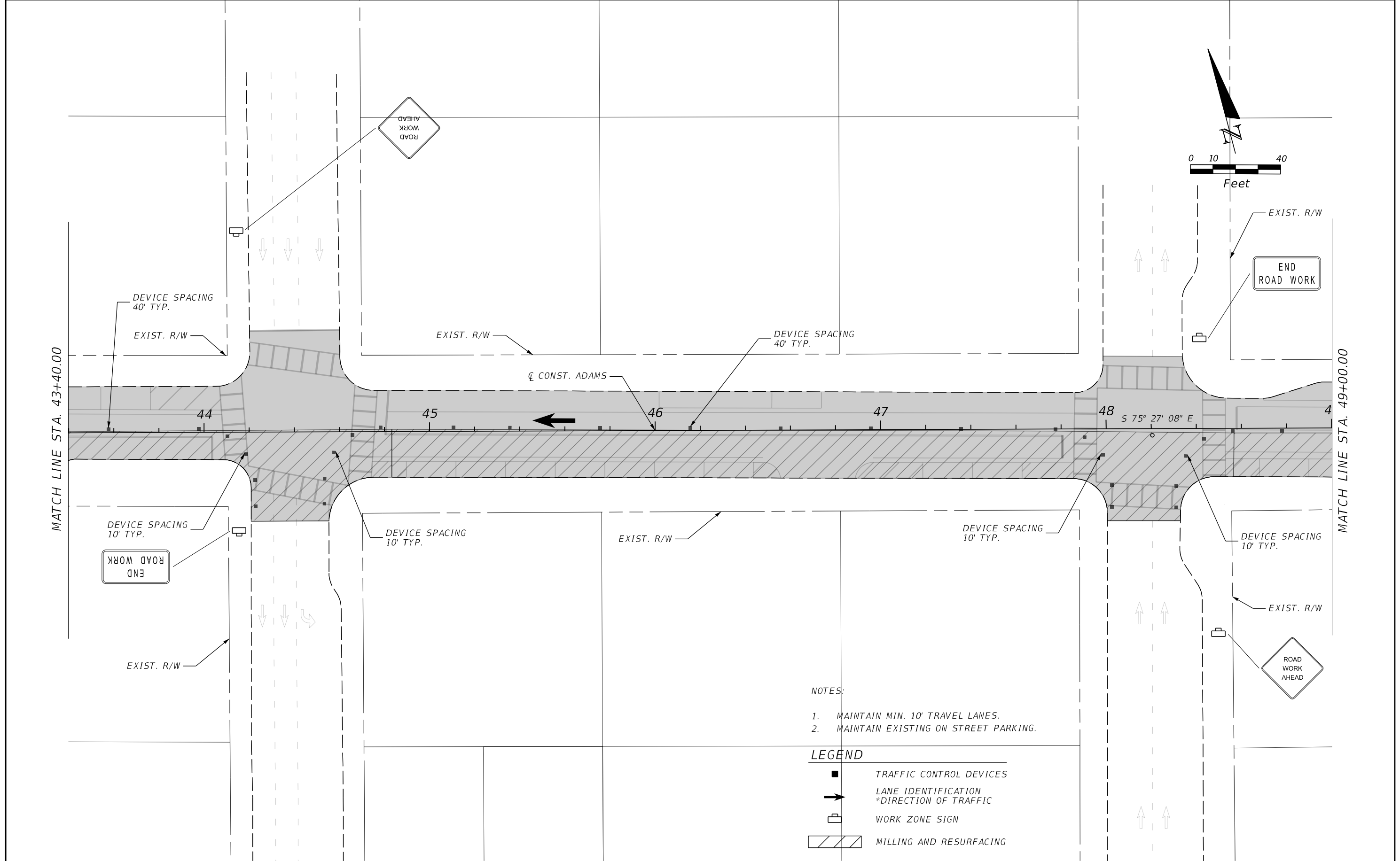
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TRAFFIC CONTROL DETAIL

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- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
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- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - ☒ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

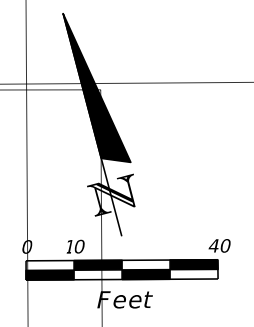
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 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
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MATCH LINE STA. 49+00.00

MATCH LINE STA. 54+40.00




- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND	
	TRAFFIC CONTROL DEVICES
	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	MILLING AND RESURFACING

REVISIONS			
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PUBLIC WORKS DEPARTMENT

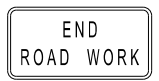
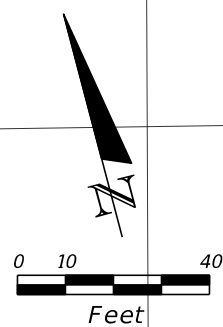
TRAFFIC CONTROL DETAIL

SHEET NO.
54

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MATCH LINE STA. 54+40.00

MATCH LINE STA. 60+00.00



EXIST. R/W

EXIST. R/W

DEVICE SPACING
40' TYP.

DEVICE SPACING
40' TYP.

55

PI STA. 55+93.52

56

CONST. ADAMS

57



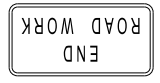
58

S 76° 26' 26" E

59

EXIST. R/W

DEVICE SPACING
10' TYP.



DEVICE SPACING
10' TYP.

EXIST. R/W



NOTES:

- 1. MAINTAIN MIN. 10' TRAVEL LANES.
- 2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- MILLING AND RESURFACING

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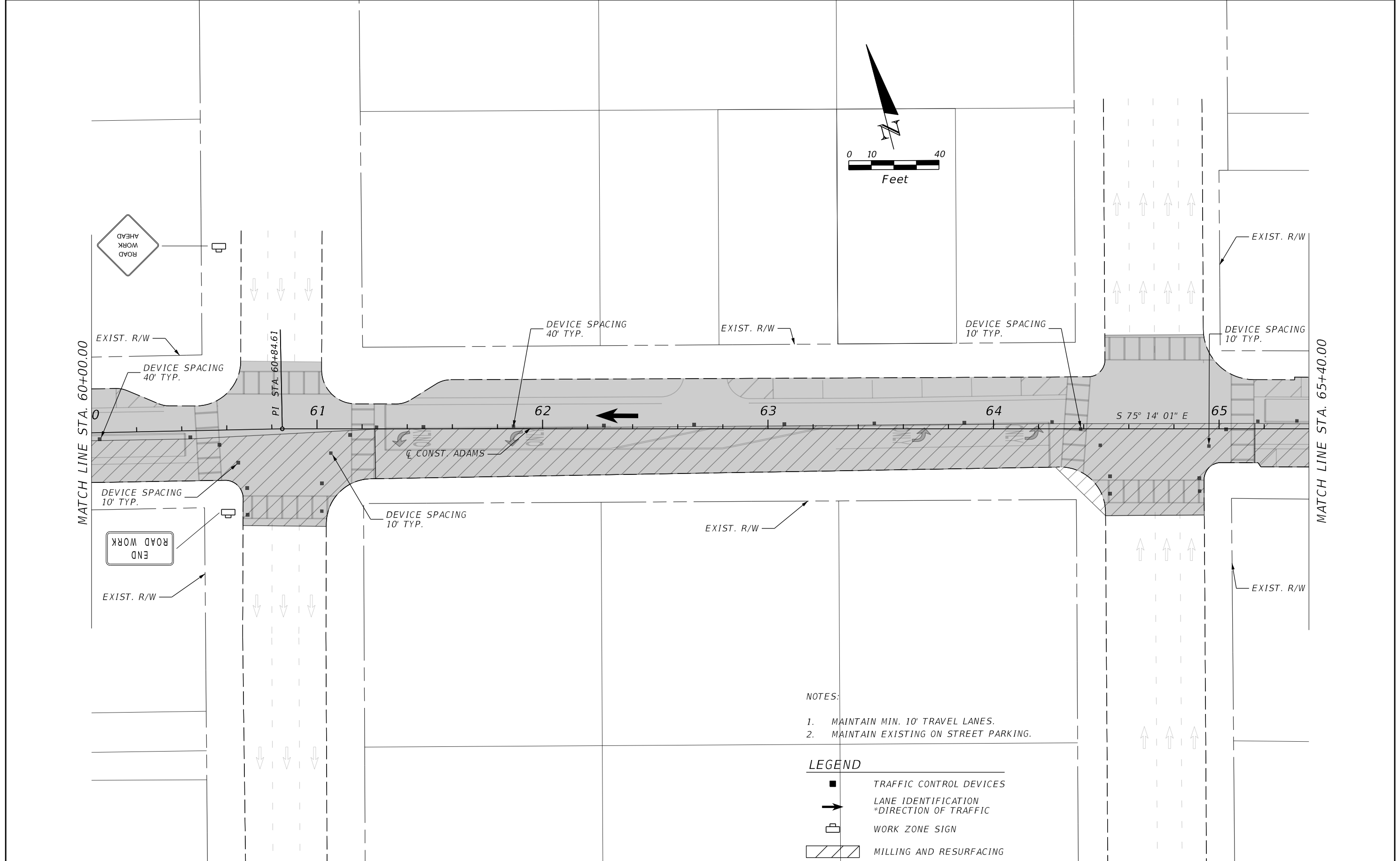


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TRAFFIC CONTROL DETAIL

SHEET NO.
55

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1. MAINTAIN MIN. 10' TRAVEL LANES.
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- LEGEND
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 - ➔ LANE IDENTIFICATION *DIRECTION OF TRAFFIC
 - ☐ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

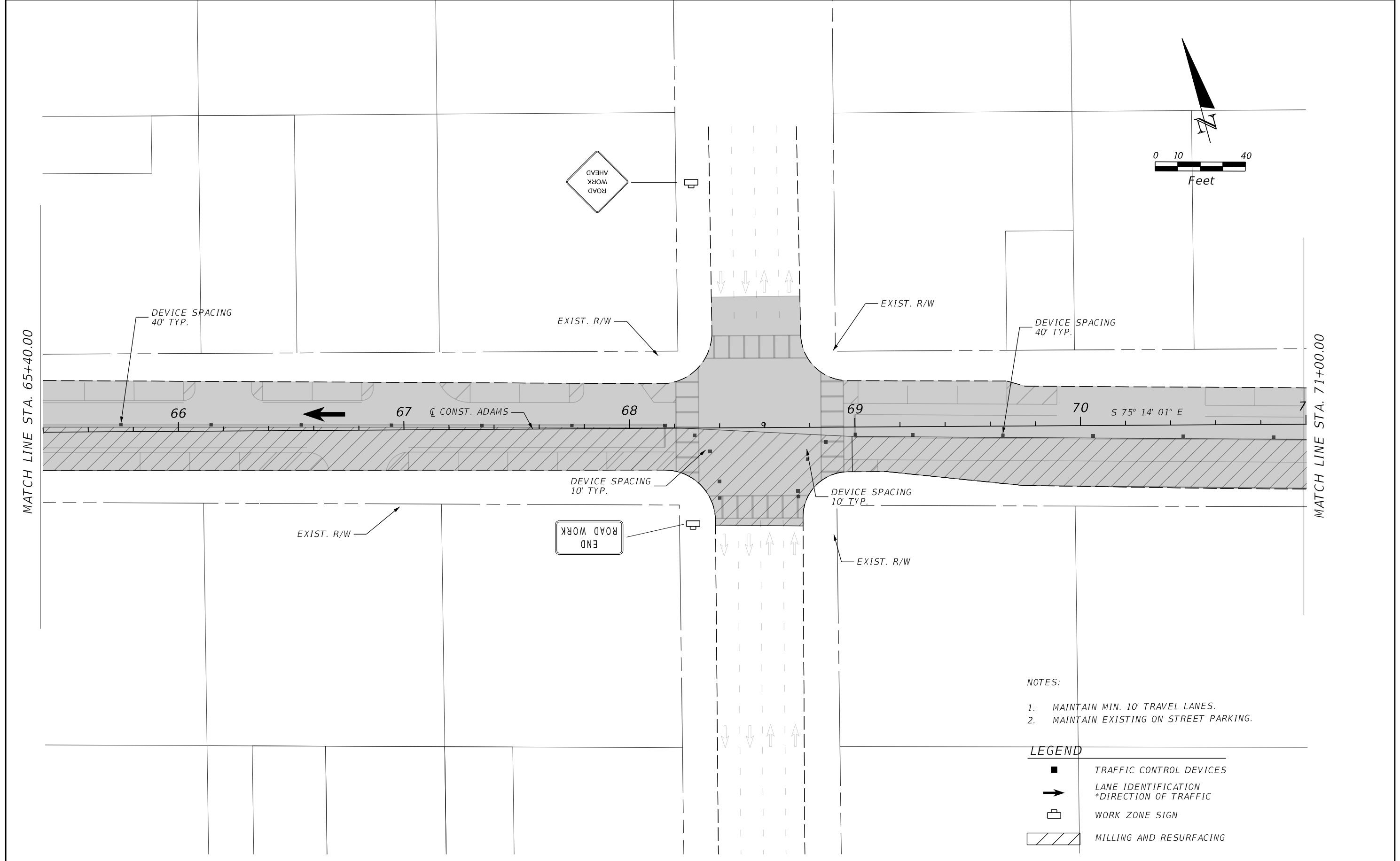
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TRAFFIC CONTROL DETAIL

SHEET NO.
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- NOTES:
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*DIRECTION OF TRAFFIC
 - ◻ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
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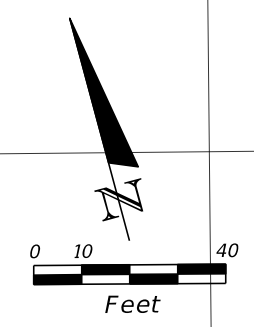


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TRAFFIC CONTROL DETAIL

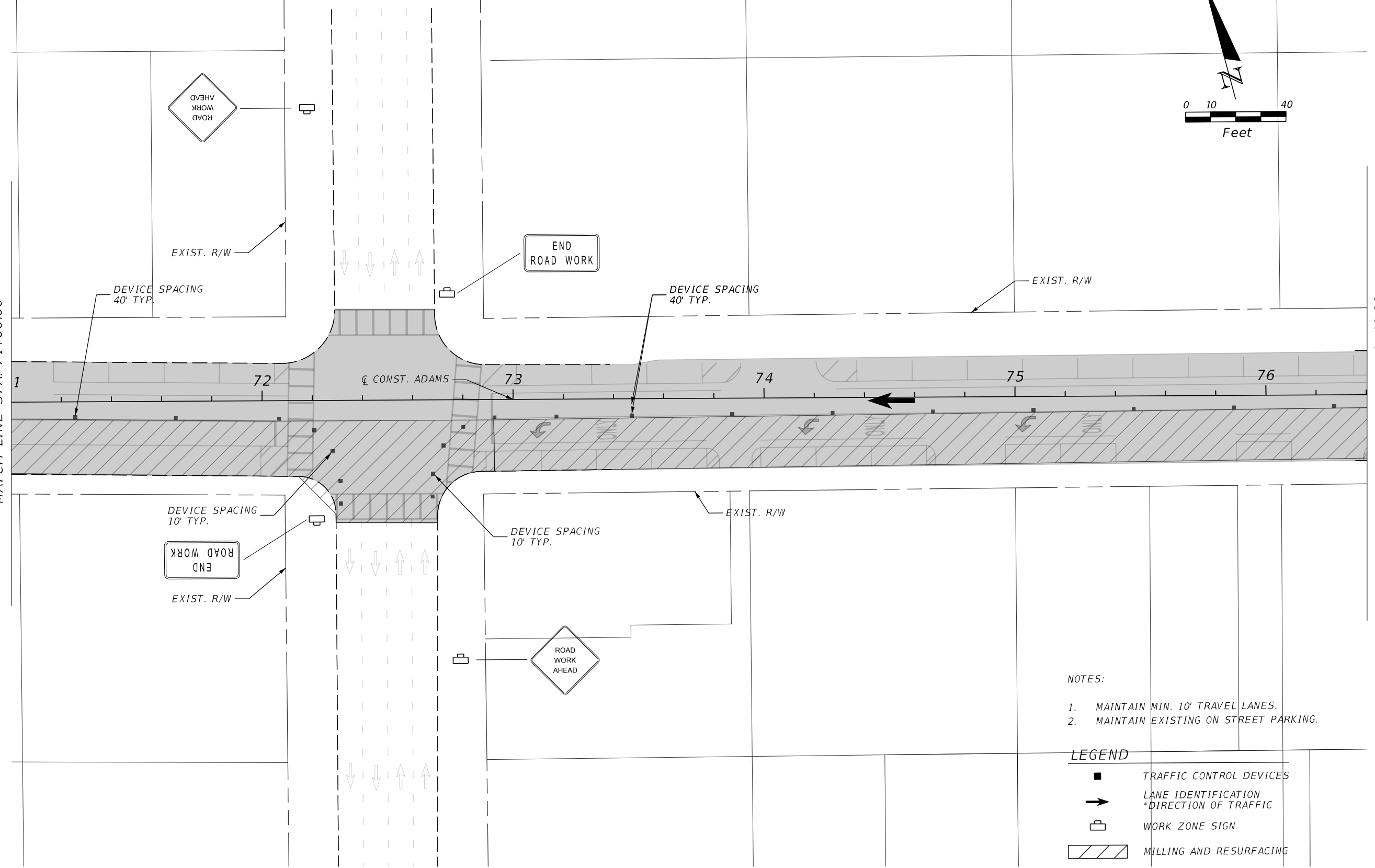
SHEET NO.
 57

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MATCH LINE STA. 71+00.00

MATCH LINE STA. 76+40.00




- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

	TRAFFIC CONTROL DEVICES
	LANE IDENTIFICATION *DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	MILLING AND RESURFACING

REVISIONS			
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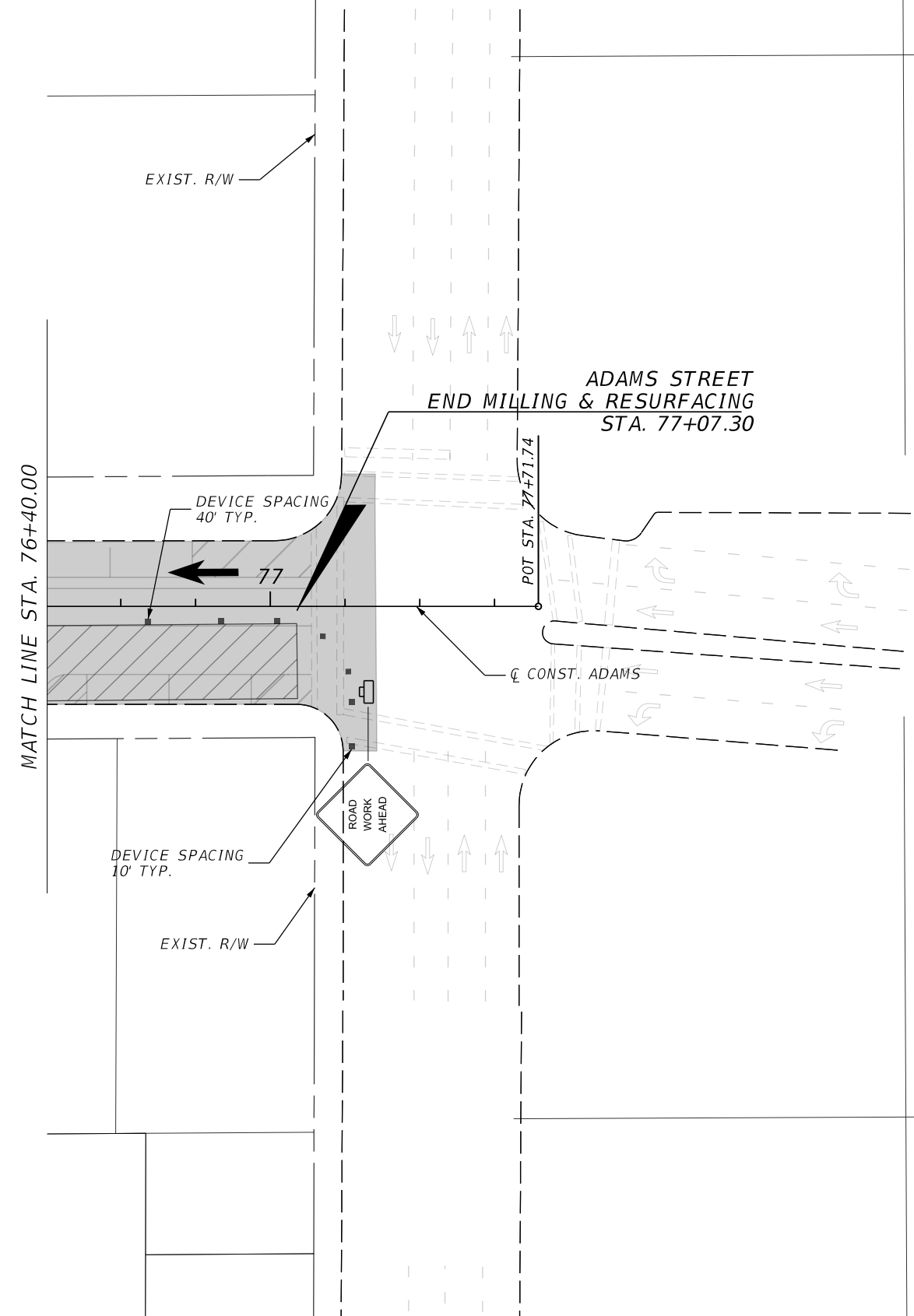
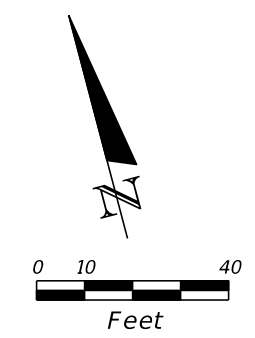


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TRAFFIC CONTROL DETAIL

SHEET NO.
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NOTES:

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2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- ☐ WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Florida Certificate of Authorization Number: 00004050

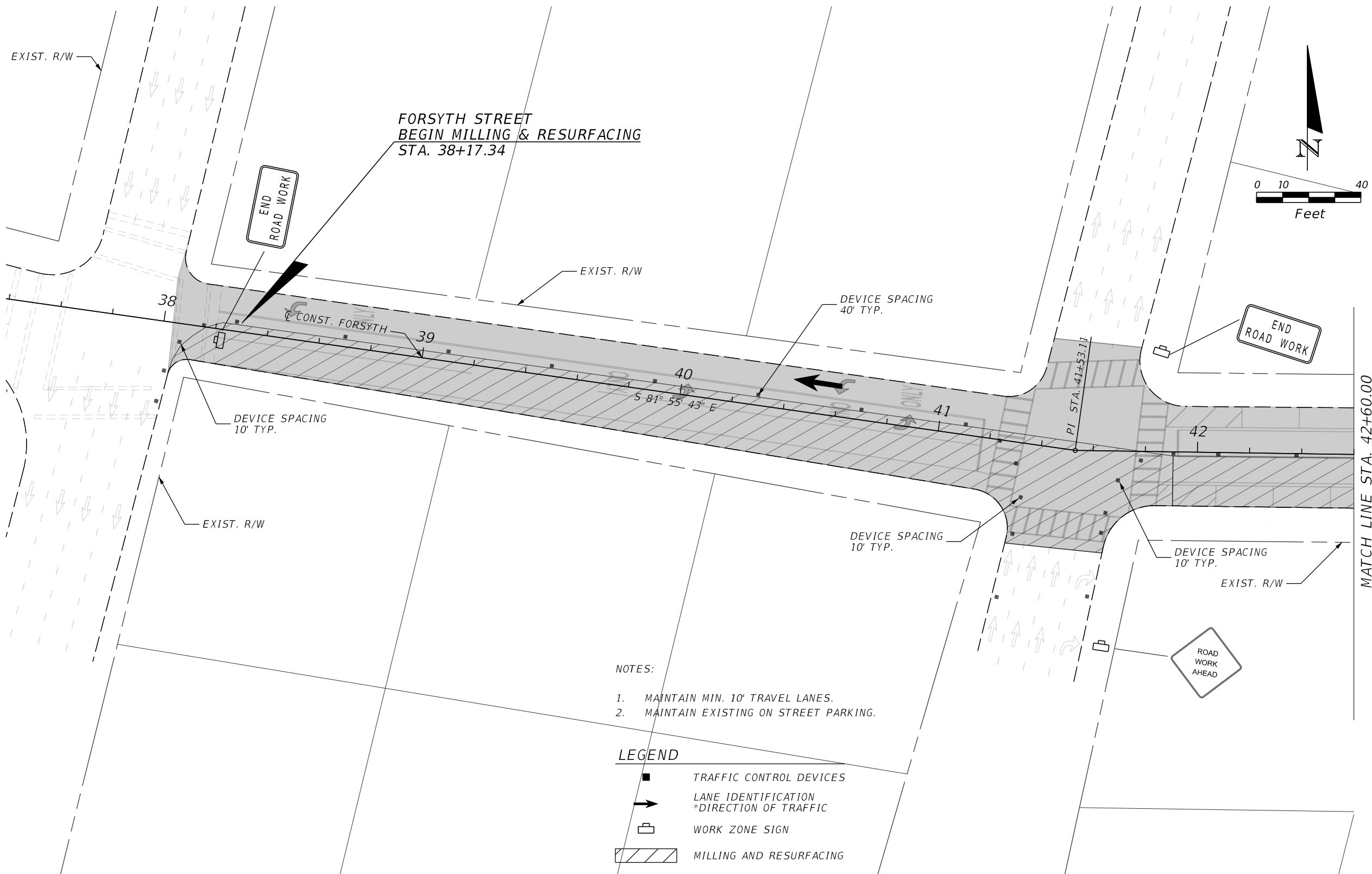


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
 59

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - ☐ WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS	
DATE	DESCRIPTION

PROSSER
 Creative Visionaries, Engineering Minds
 13901 Sutton Park Drive South, Suite 200
 Jacksonville, Florida 32224-0228
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 www.prosserinc.com
 BENJAMIN M. COMBS, PE PE# 83235
 Florida Certificate of Authorization Number: 00004050

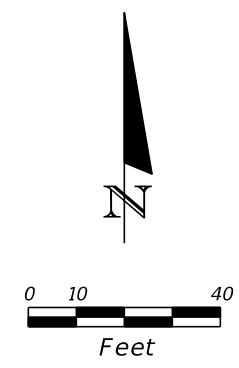


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

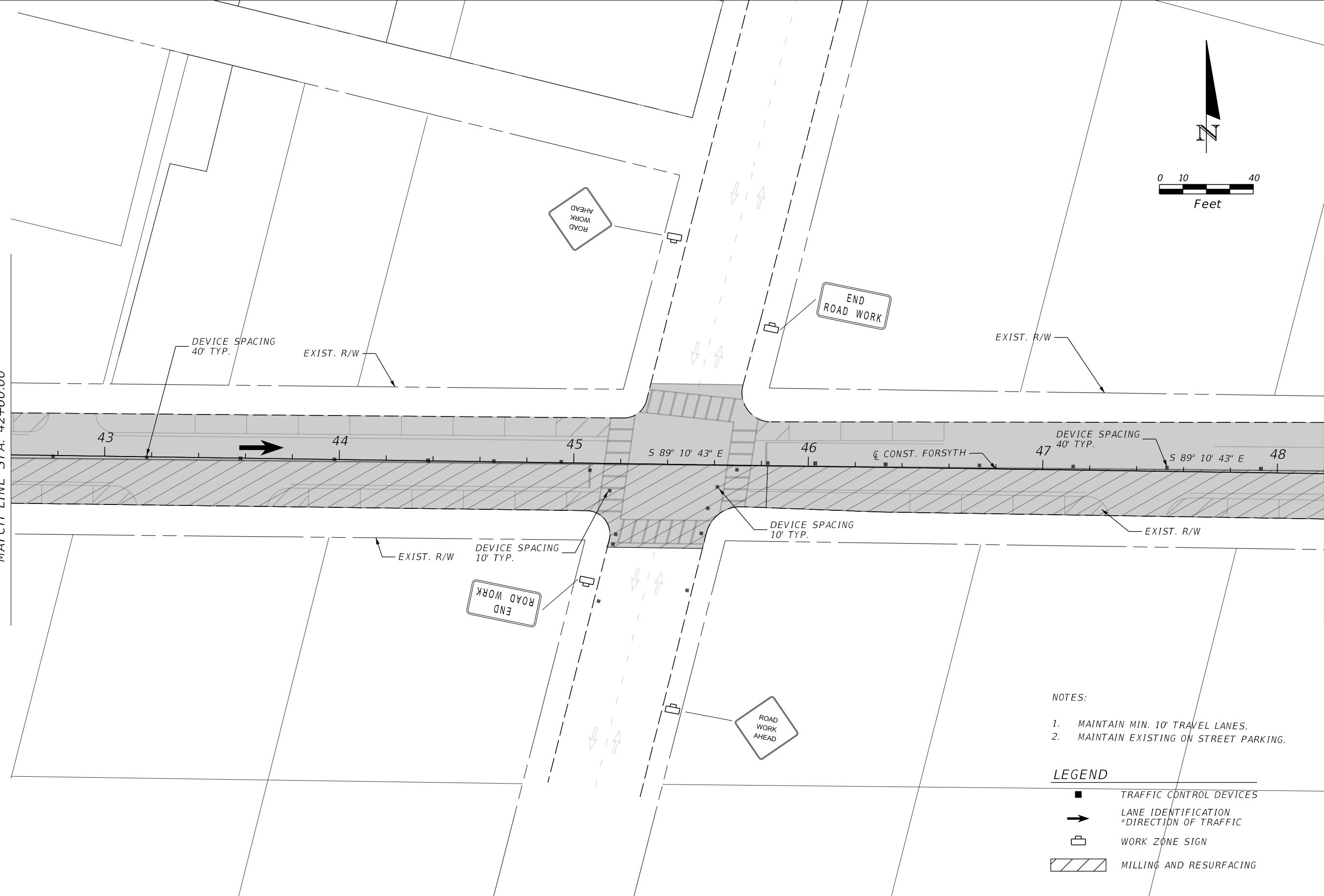
SHEET NO.
60

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 42+60.00

MATCH LINE STA. 48+20.00




- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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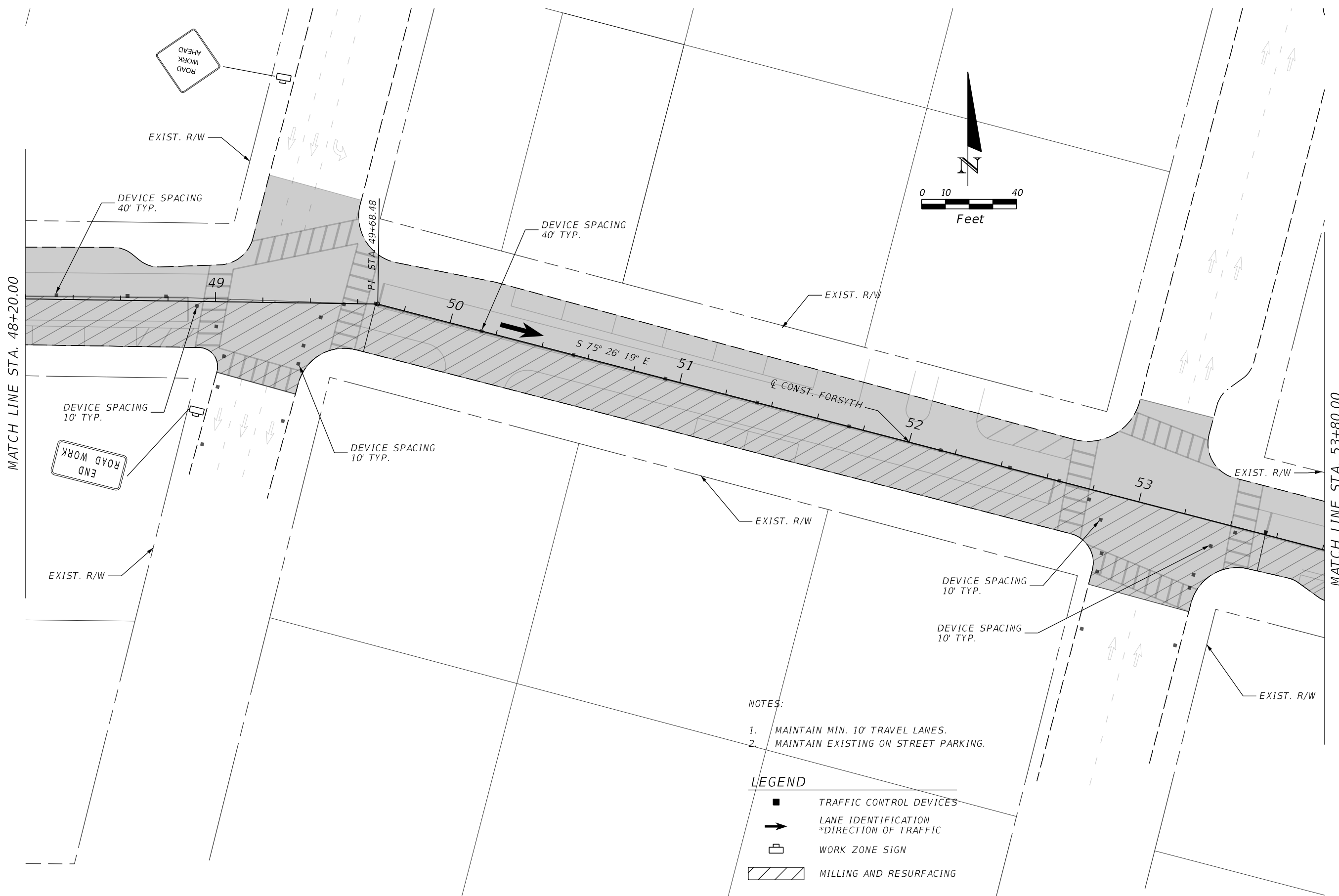


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
61

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




- NOTES:
1. MAINTAIN MIN. 10' TRAVEL LANES.
 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

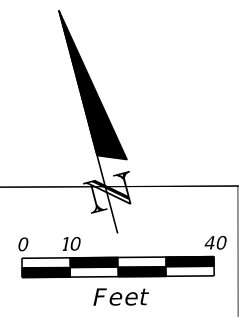
PROSSER
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 BENJAMIN M. COMBS, PE PE# 83235
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 CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

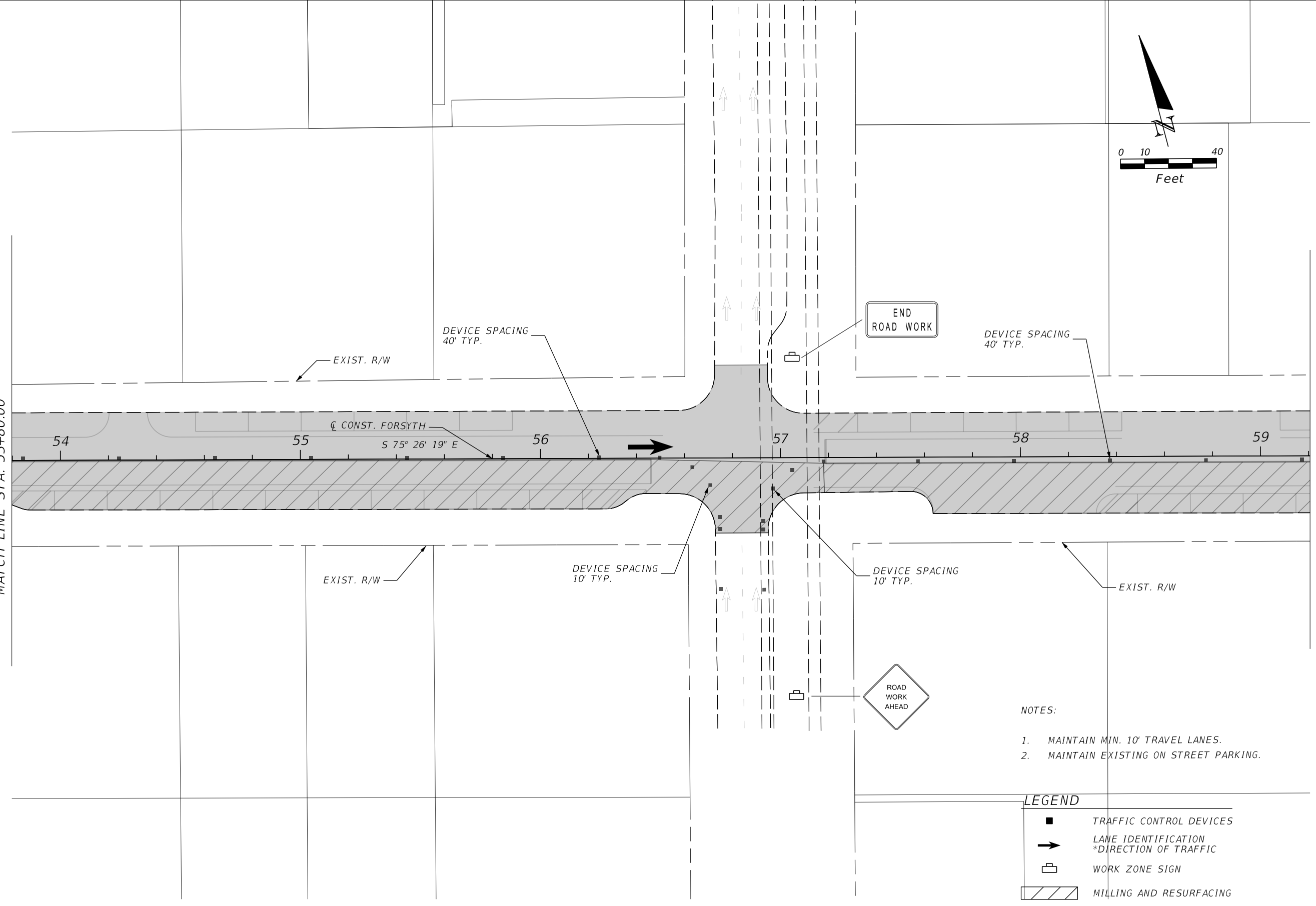
SHEET NO.
62

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 53+80.00

MATCH LINE STA. 59+20.00



NOTES:

1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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PUBLIC WORKS DEPARTMENT

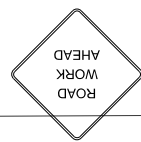
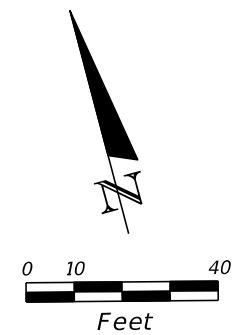
TRAFFIC CONTROL DETAIL

SHEET NO.
63

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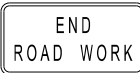
MATCH LINE STA. 4038+80.00

MATCH LINE STA. 4044+40.00



EXIST. R/W

EXIST. R/W



DEVICE SPACING
40' TYP.

S 75° 26' 19" E

60

61

62

63

64

CONST. FORSYTH

DEVICE SPACING
10' TYP.



EXIST. R/W

DEVICE SPACING
10' TYP.

EXIST. R/W



NOTES:

1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- 🚧 WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

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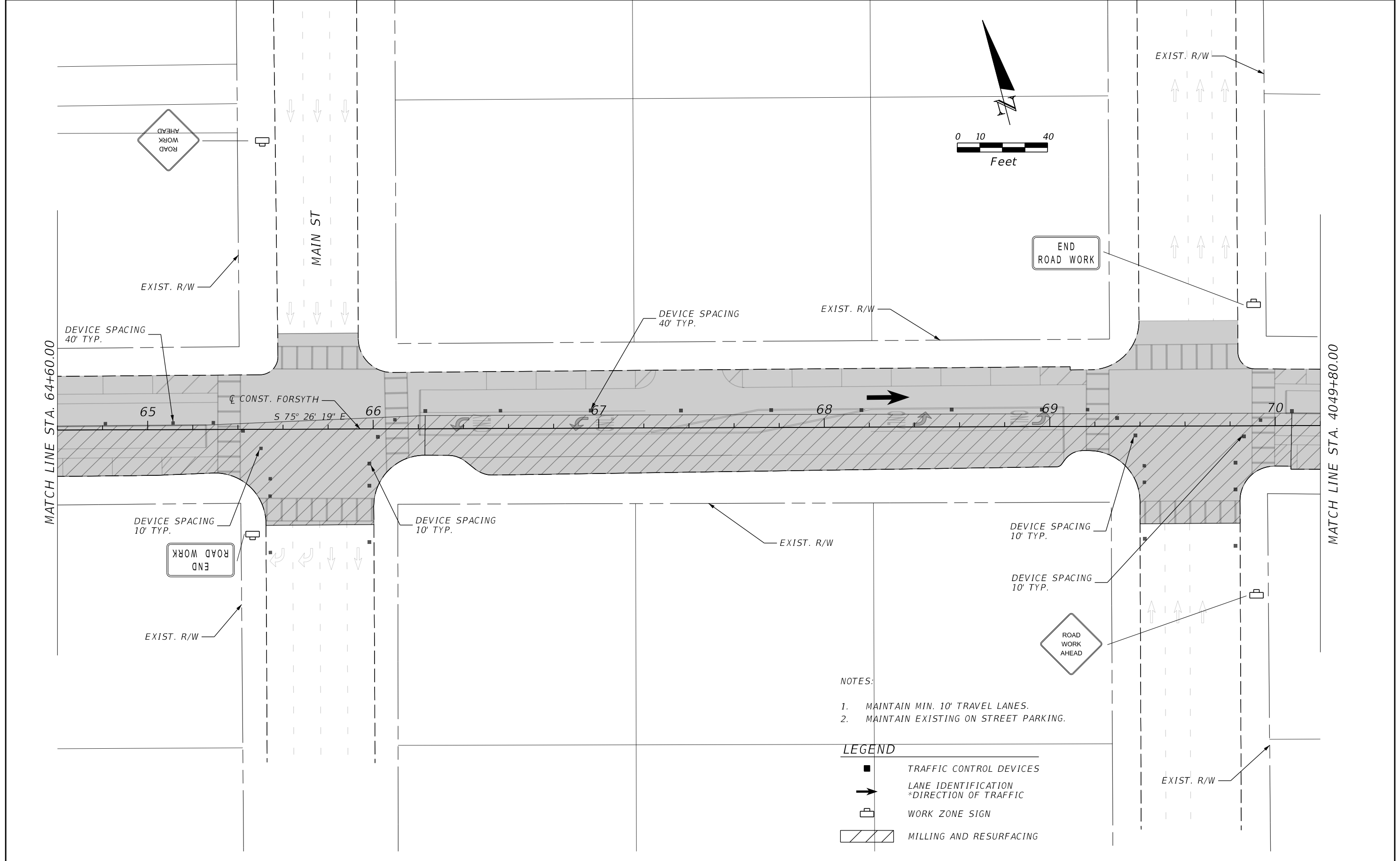


CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.

64



NOTES:


1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION *DIRECTION OF TRAFFIC
- 🚧 WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

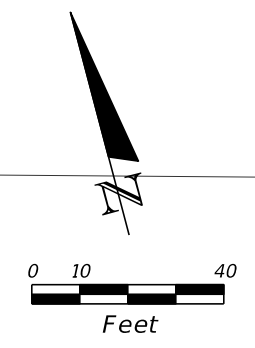
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 **CITY OF JACKSONVILLE**
PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

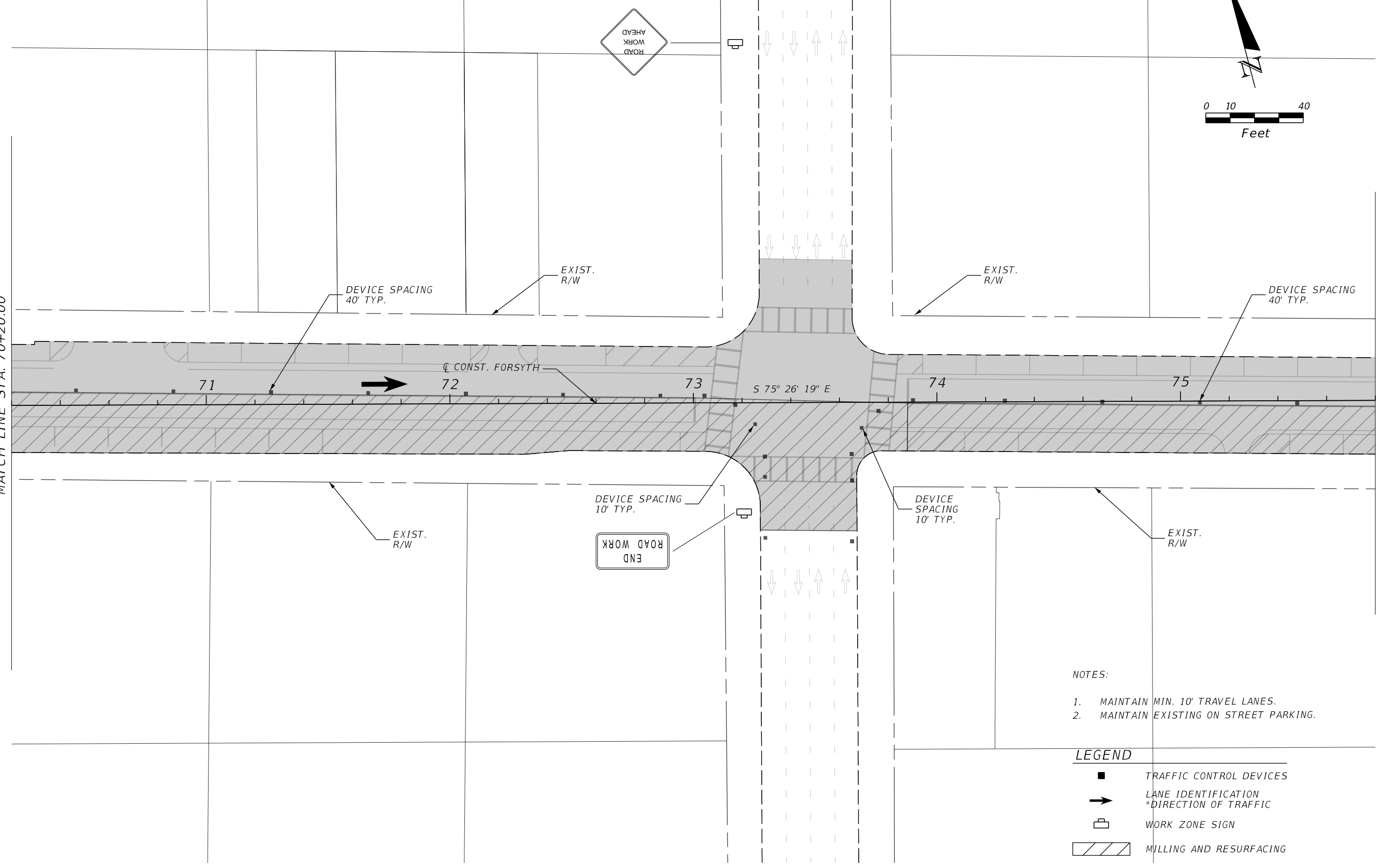
SHEET NO.
65

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MATCH LINE STA. 70+20.00

MATCH LINE STA. 75+80.00




- NOTES:
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 2. MAINTAIN EXISTING ON STREET PARKING.

- LEGEND
- TRAFFIC CONTROL DEVICES
 - ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
 - 🚧 WORK ZONE SIGN
 - ▨ MILLING AND RESURFACING

REVISIONS			
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 Florida Certificate of Authorization Number: 00004050

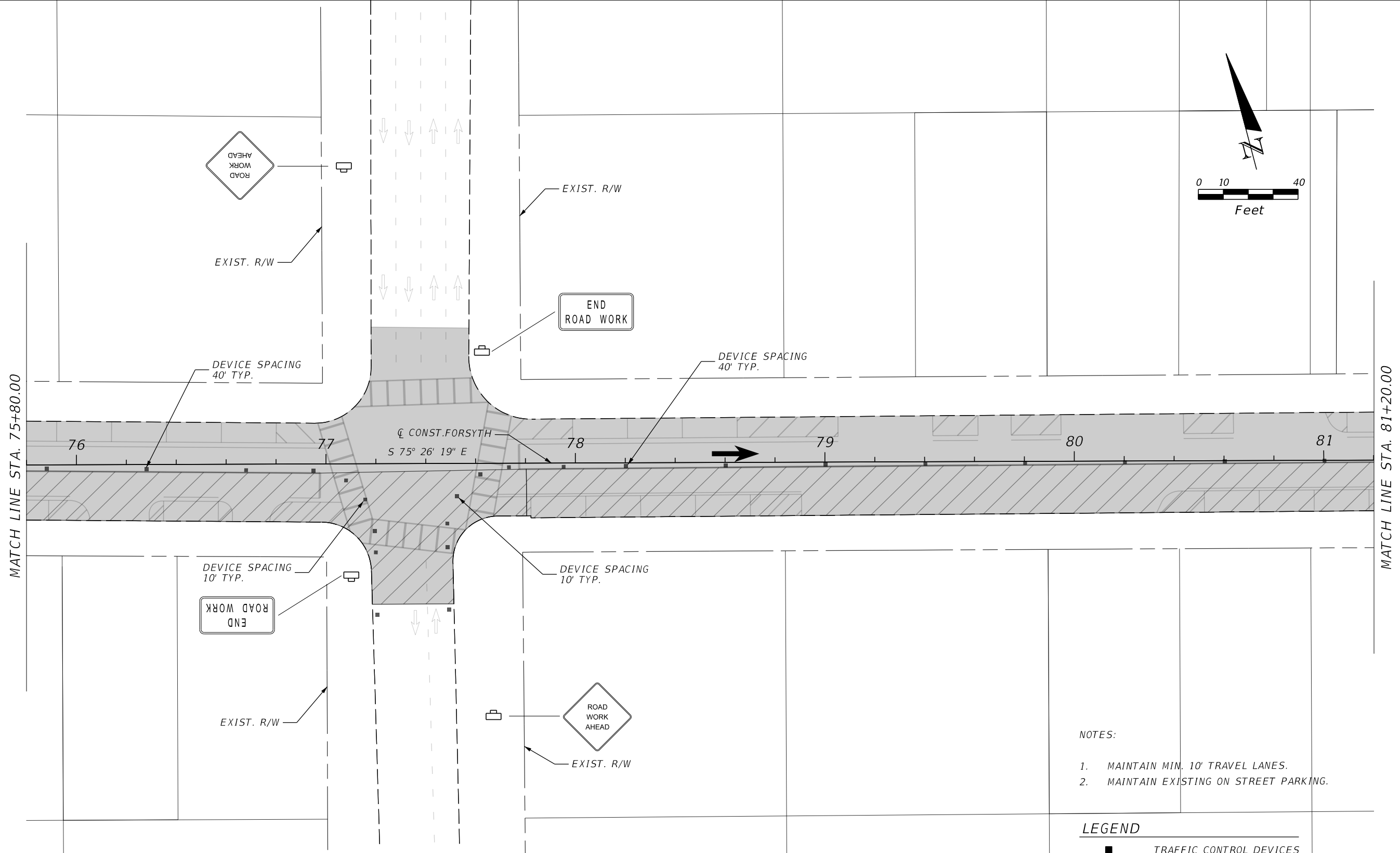
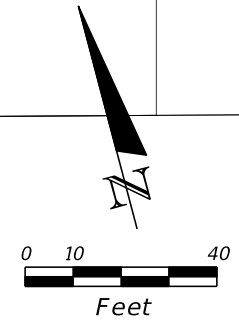


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TRAFFIC CONTROL DETAIL

SHEET NO.
66

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NOTES:

1. MAINTAIN MIN. 10' TRAVEL LANES.
2. MAINTAIN EXISTING ON STREET PARKING.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- ☒ WORK ZONE SIGN
- ▨ MILLING AND RESURFACING

REVISIONS			
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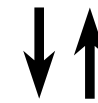
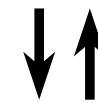
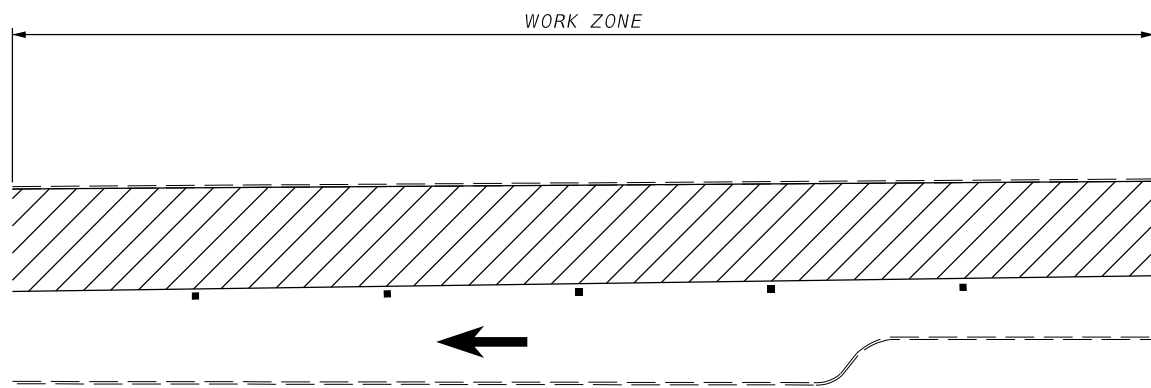


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

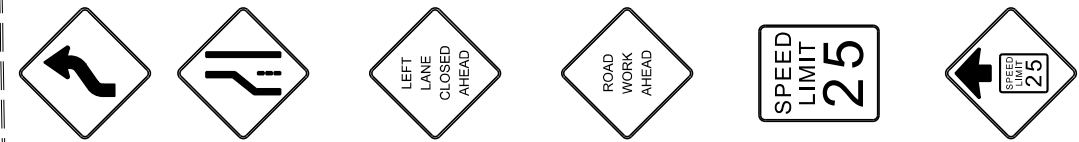
TRAFFIC CONTROL DETAIL

SHEET NO.
 67

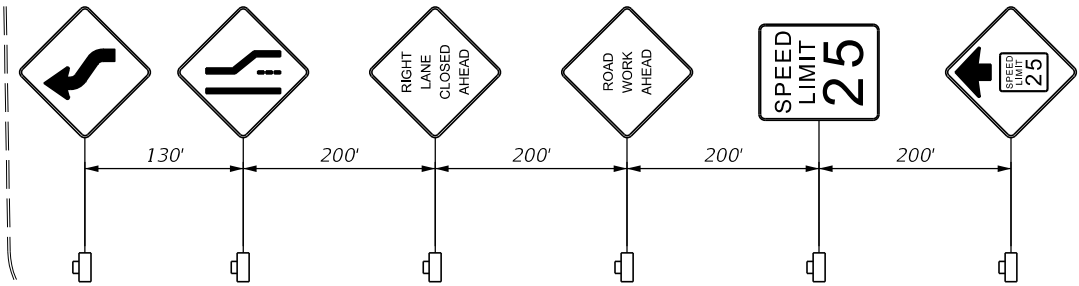
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEFT LANE CLOSURE AVANCED WARNING SIGNS



RIGHT LANE CLOSURE AVANCED WARNING SIGNS



130' 200' 200' 200' 200'

NOTES:

1. UNLESS OTHERWISE SHOWN IN THE TEMPORARY TRAFFIC CONTROL PLANS, THE DETAIL SHOWN ON THIS SHEET SHALL BE USED AS SHOWN ABOVE TO MAINTAIN TRAFFIC TRAVELING INTO THE WORK ZONE FOR BOTH ADAMS STREET AND FORSYTH STREET.
2. THE ADVANCED SIGNAGE SHOWN IN THIS DETAIL SHALL INDICATE SIGNAGE FOR BOTH PHASE 1 AND PHASE 2 OF THE TEMPORARY TRAFFIC CONTROL PLAN FOR BOTH ADAMS STREET AND FORSYTH STREET AND SHALL BE RELOCATED AS NECESSARY TO ACCOMMODATE THE CURRENT PHASE OF THE TEMPORARY TRAFFIC CONTROL PLAN.
3. THE ADVANCED SIGNING FOR ADAMS STREET FOR BOTH PHASE 1 AND PHASE 2 OF THE TEMPORARY TRAFFIC CONTROL PLAN WILL REQUIRE BOTH ADAMS STREET AND THE GATOR BOWL BLVD. EXIT RAMP TO HAVE THE ADVANCE SIGNAGE LISTED ON THIS DETAIL SHEET.

LEGEND

- TRAFFIC CONTROL DEVICES
- ➔ LANE IDENTIFICATION
*DIRECTION OF TRAFFIC
- ☐ WORK ZONE SIGN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 BENJAMIN M. COMBS, PE PE# 83235
 Florida Certificate of Authorization Number: 00004050

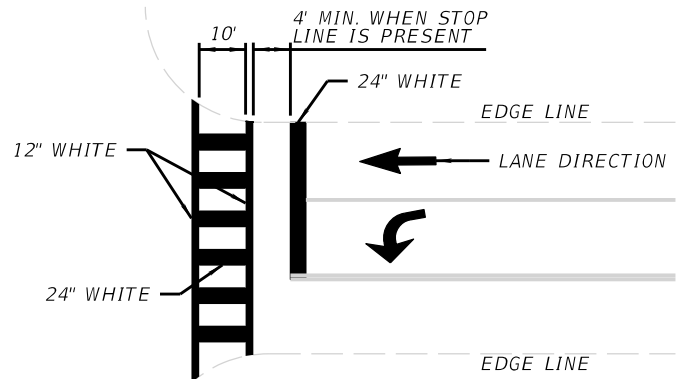


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

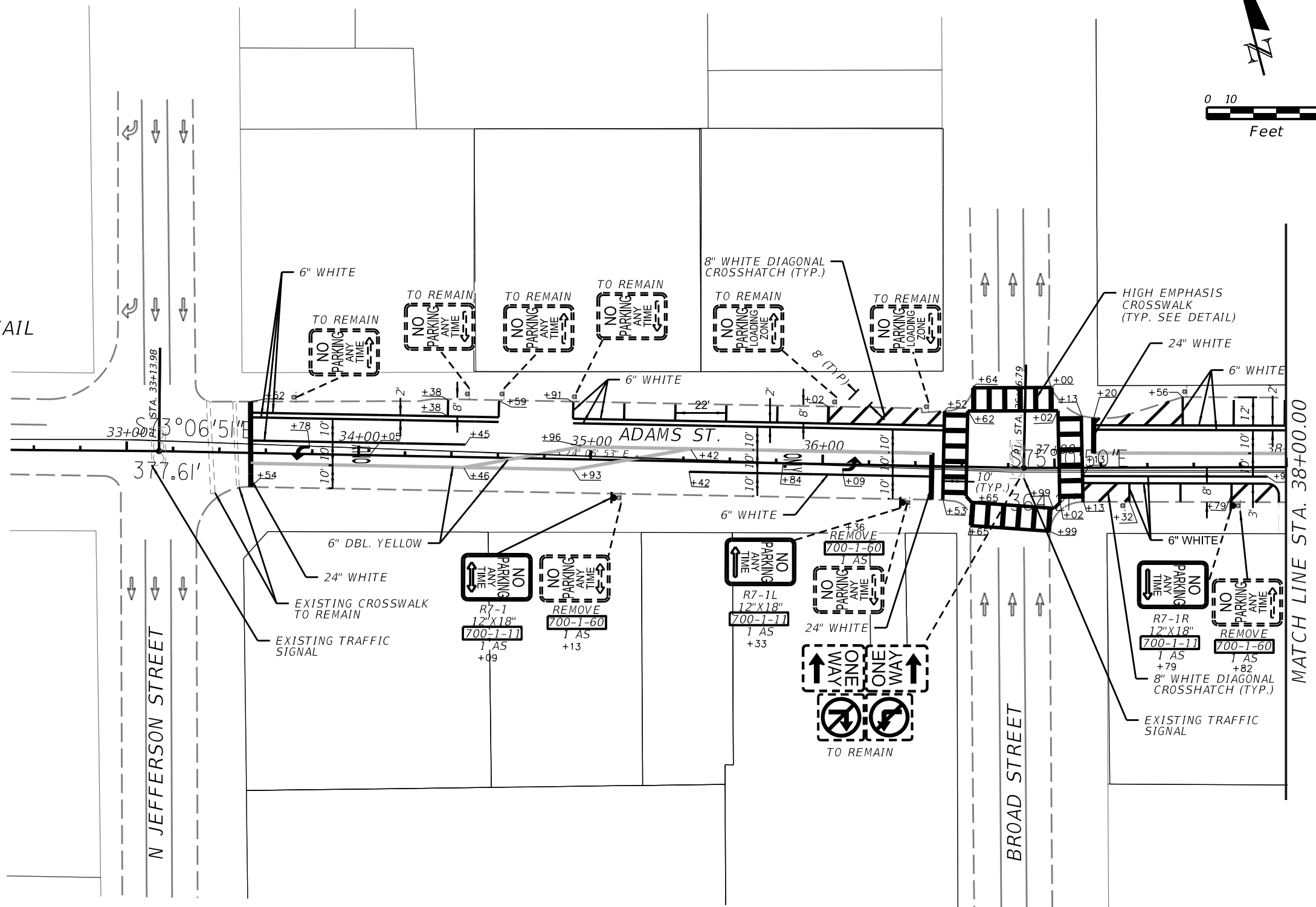
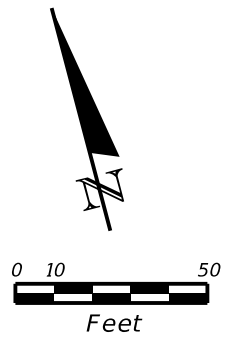
TRAFFIC CONTROL PLAN DETAIL

SHEET NO.

69




HIGH EMPHASIS CROSSWALK DETAIL



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TOOLE DESIGN
 8484 GEORGIA AVENUE, SUITE 800
 SILVER SPRING, MD 20910
 PHONE: 301.927.1900
 FAX: 301.927.2800
 www.tooledesign.com

JANKRISTOF R. DEVASTEY, PE PE# 78230

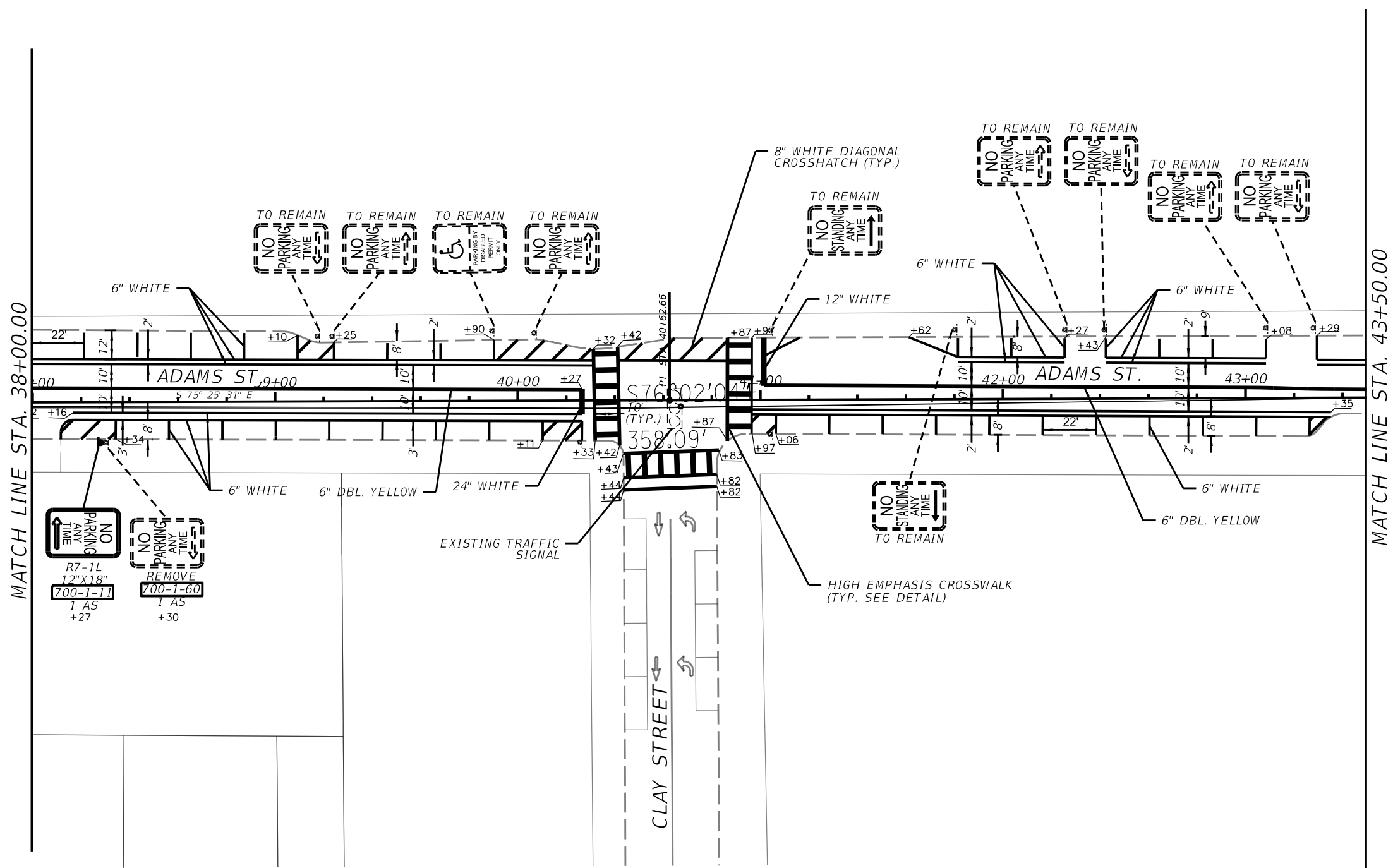
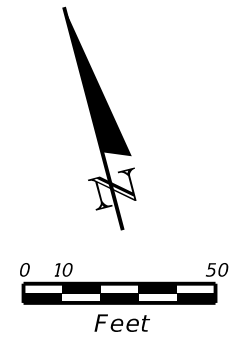


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

*SIGNING AND PAVEMENT
 MARKING PLAN*

SHEET NO.
 70

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MATCH LINE STA. 38+00.00

MATCH LINE STA. 43+50.00

NO PARKING ANY TIME
 R7-1L
 12"X18"
 700-1-17
 1 AS
 +27
 REMOVE
 NO PARKING ANY TIME
 700-1-60
 1 AS
 +30

EXISTING TRAFFIC SIGNAL


CLAY STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TOOLE DESIGN

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 PHONE: 301.927.1900
 FAX: 301.927.2800
 www.tooledesign.com

JANKRISTOF R. DEVASTEY, PE PE# 78230

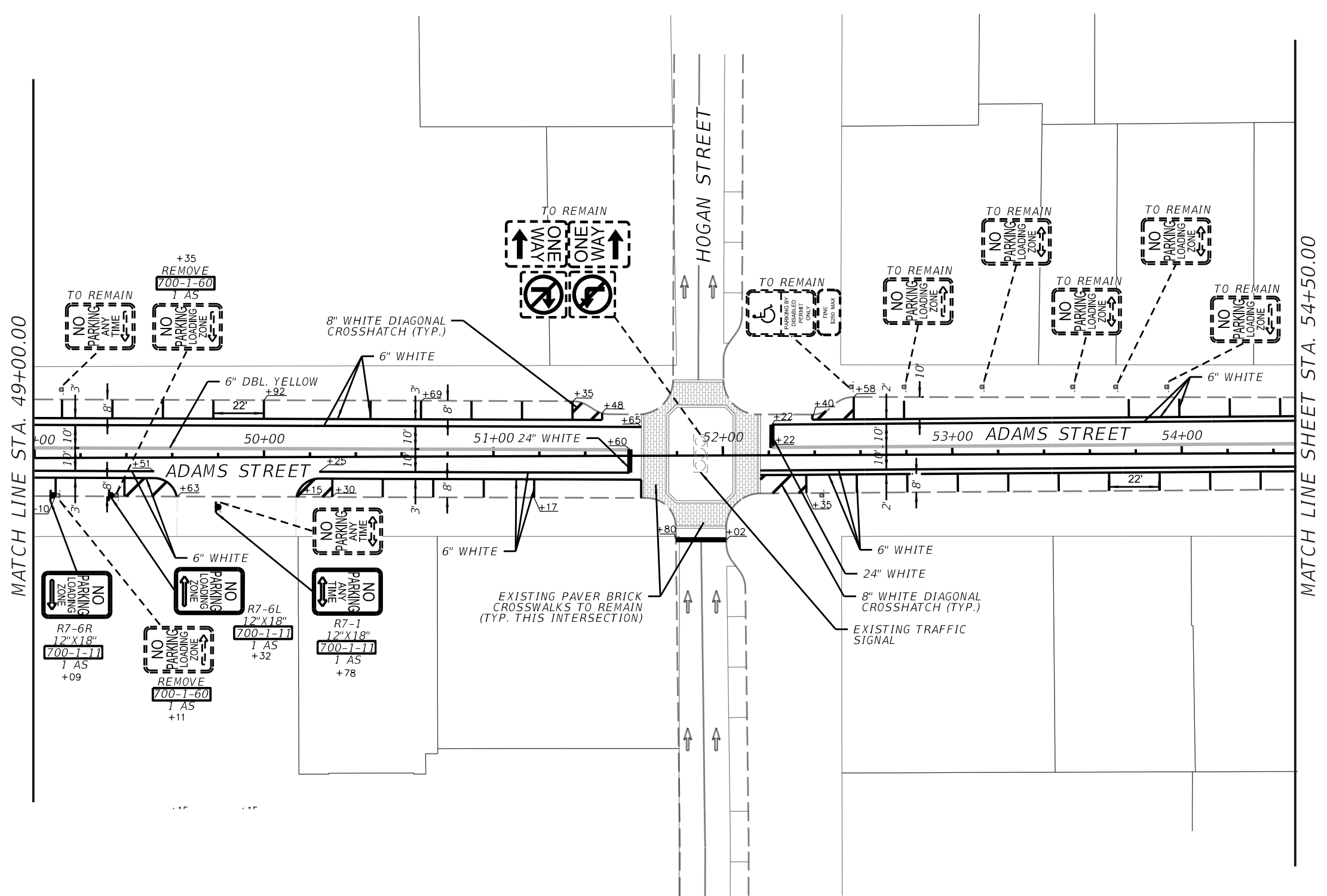
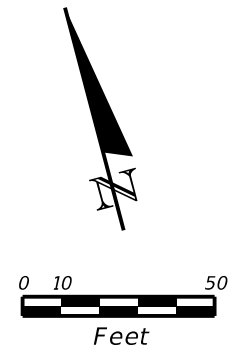


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

SIGNING AND PAVEMENT MARKING PLAN


SHEET NO.

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 FAX: 301.927.2800
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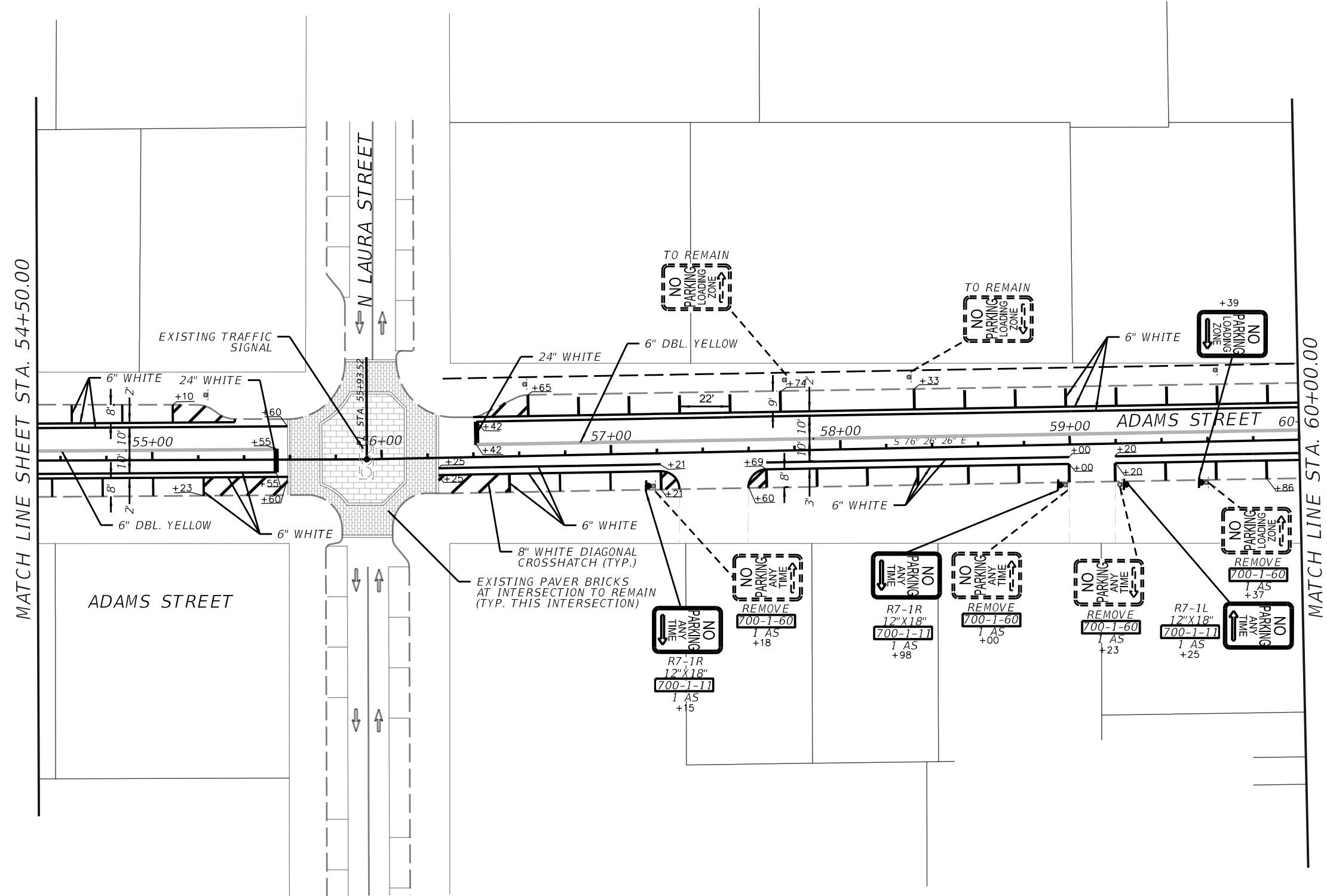
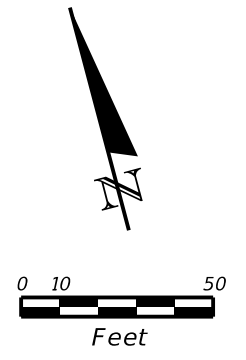


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

*SIGNING AND PAVEMENT
 MARKING PLAN*

SHEET NO.

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MATCH LINE SHEET STA. 54+50.00

MATCH LINE STA. 60+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 SILVER SPRING, MD 20910
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 JANKRISTOF R. DEVASTAY, PE PE# 78230

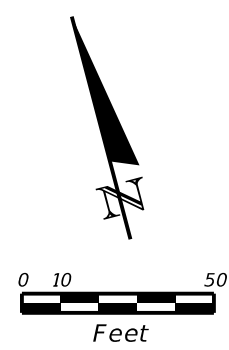
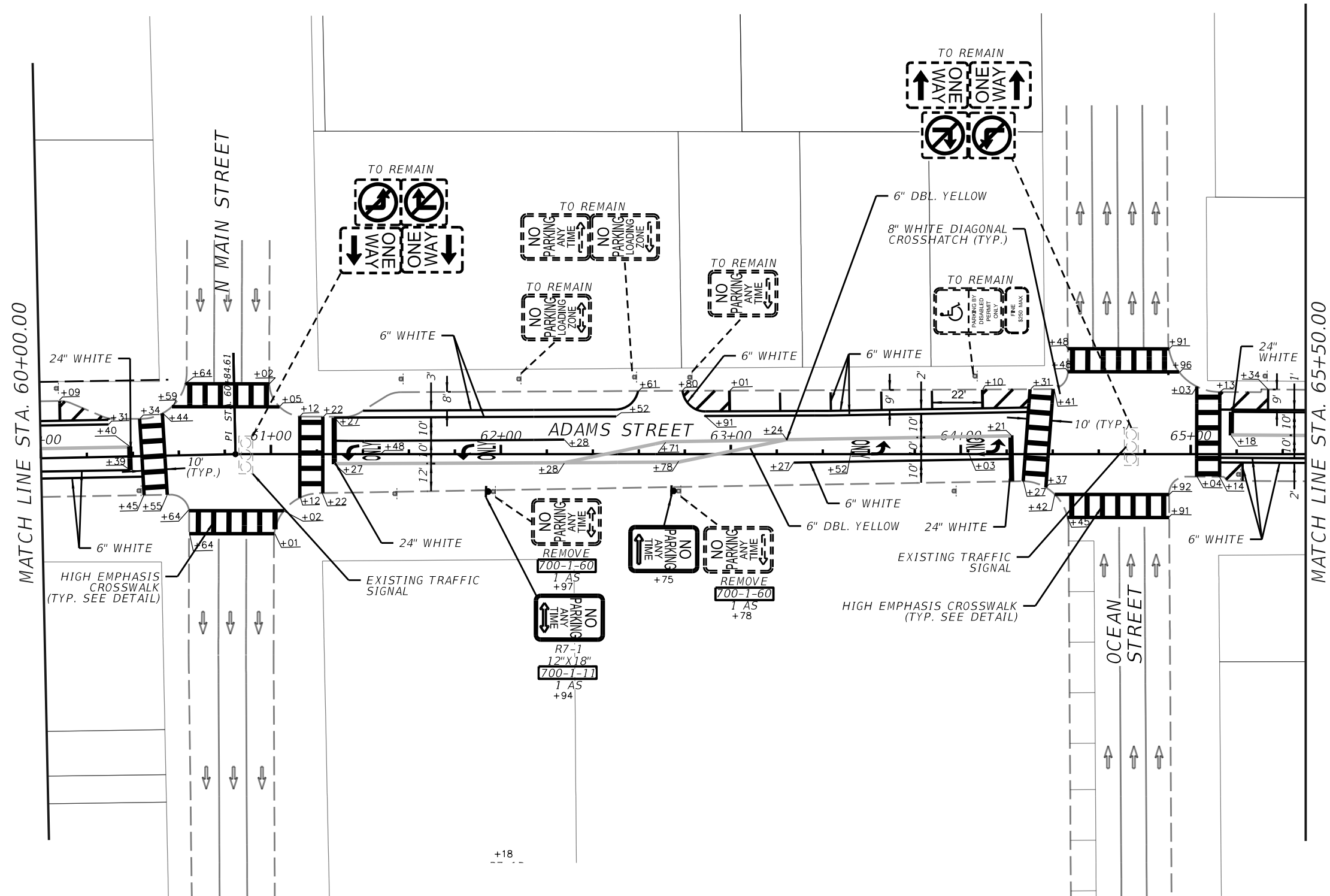


CITY OF JACKSONVILLE
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SIGNING AND PAVEMENT MARKING PLAN

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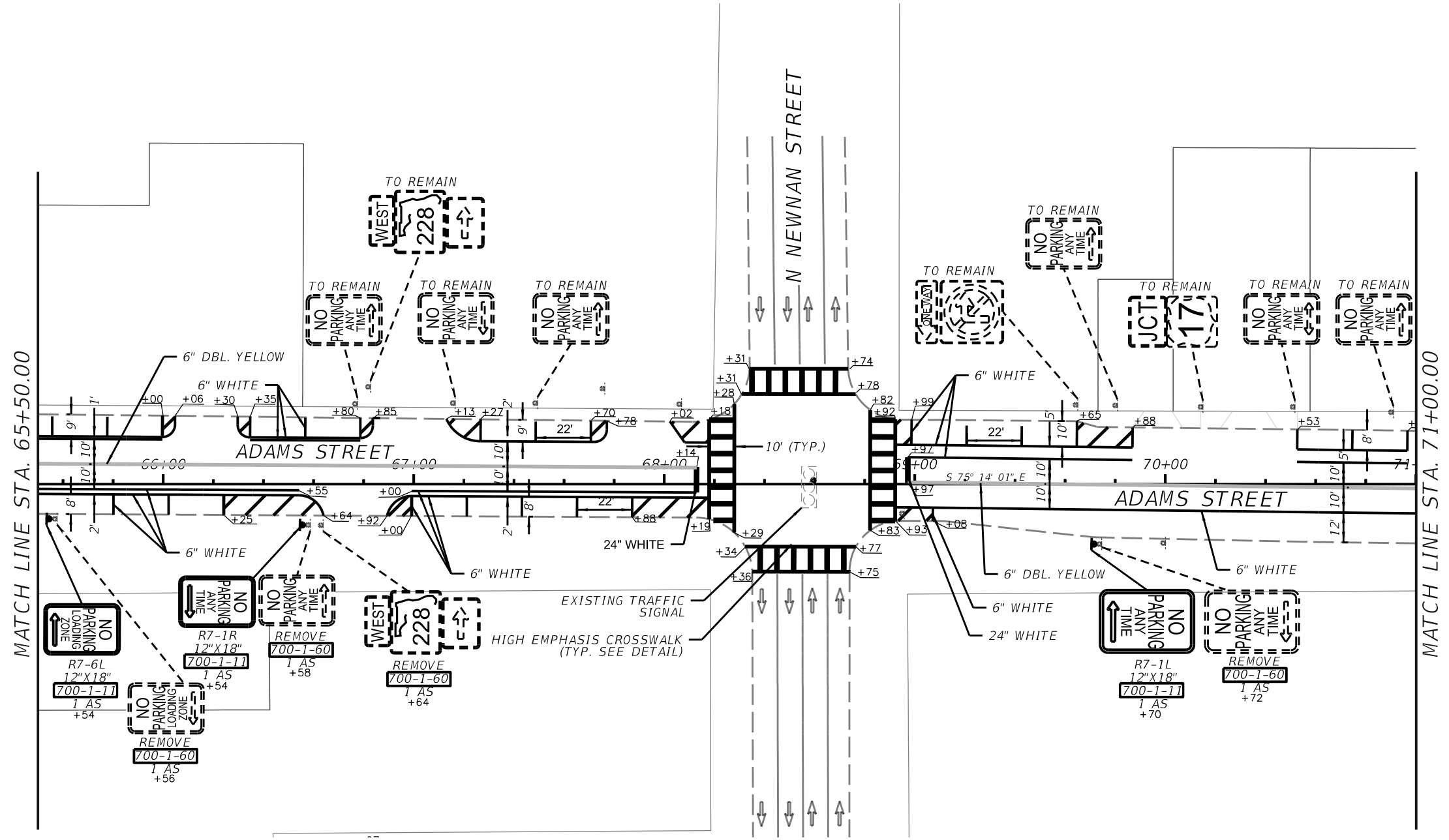
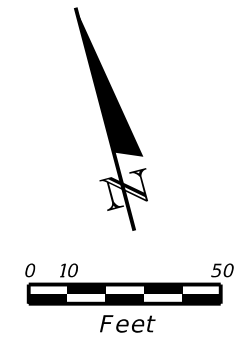


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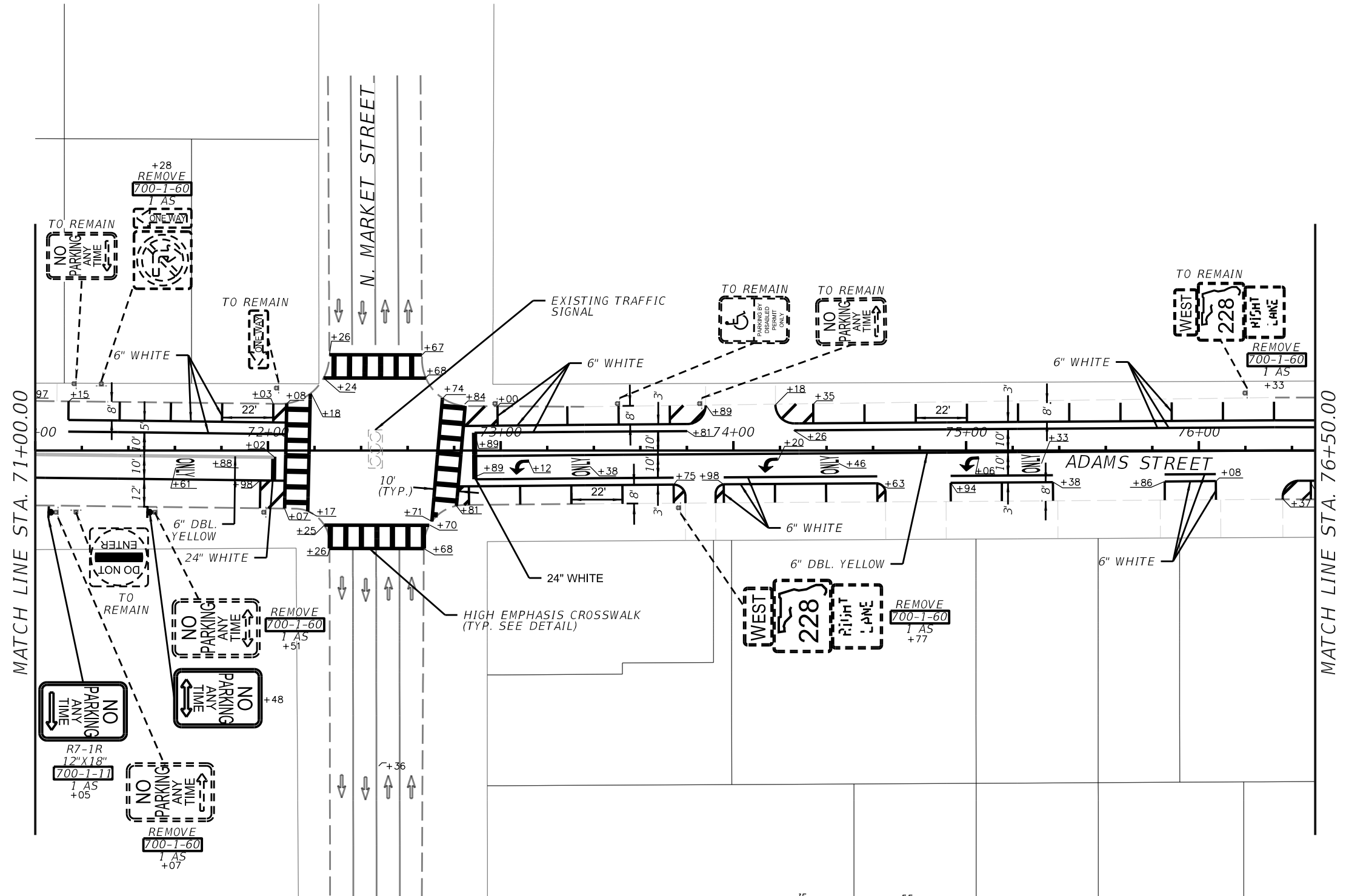
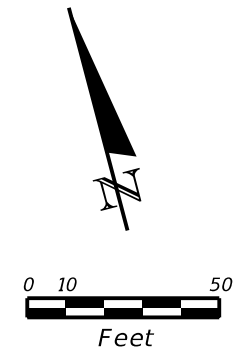


CITY OF JACKSONVILLE
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*SIGNING AND PAVEMENT
 MARKING PLAN*

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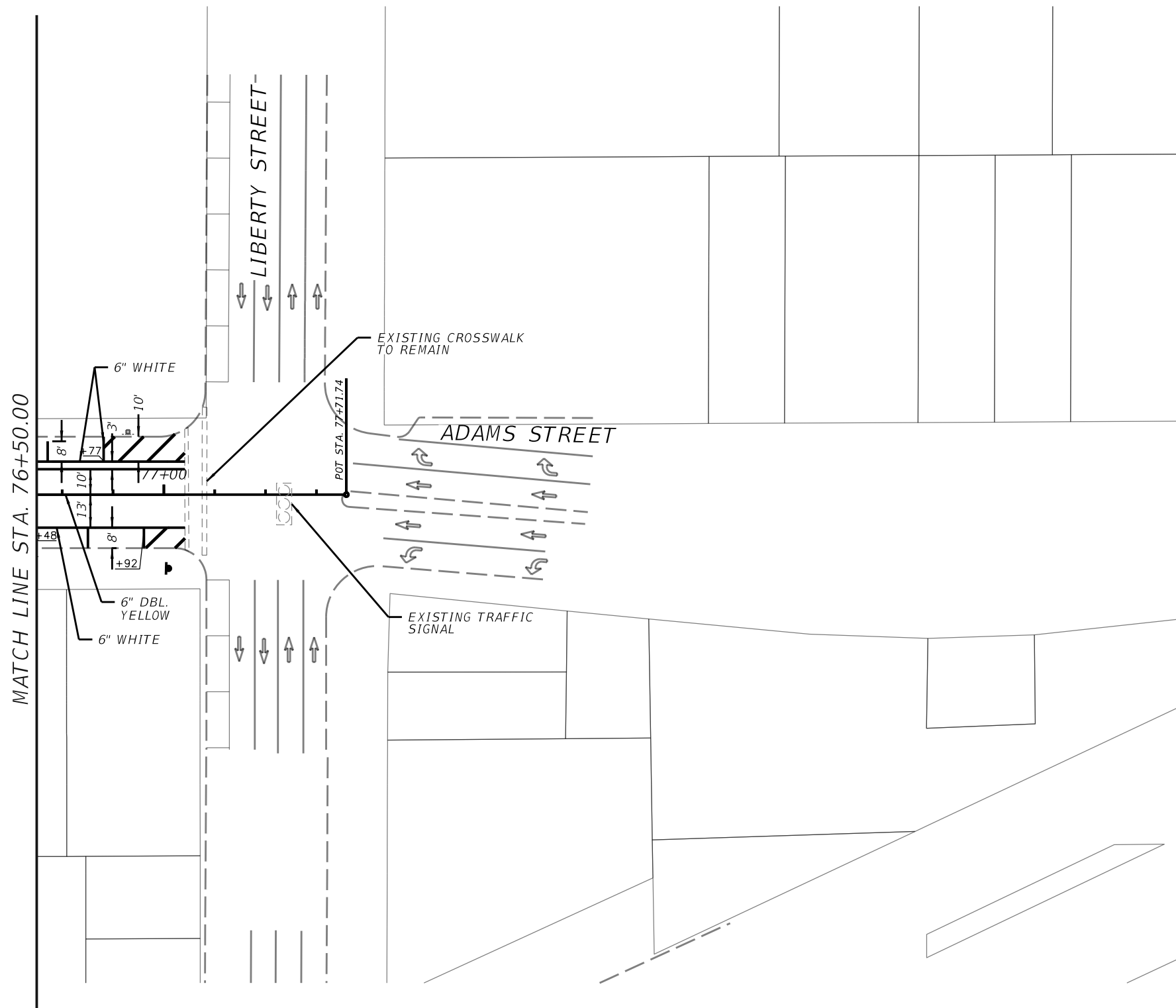
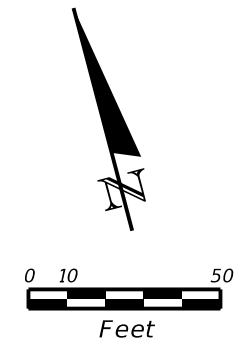


CITY OF JACKSONVILLE
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*SIGNING AND PAVEMENT
 MARKING PLAN*

SHEET NO.

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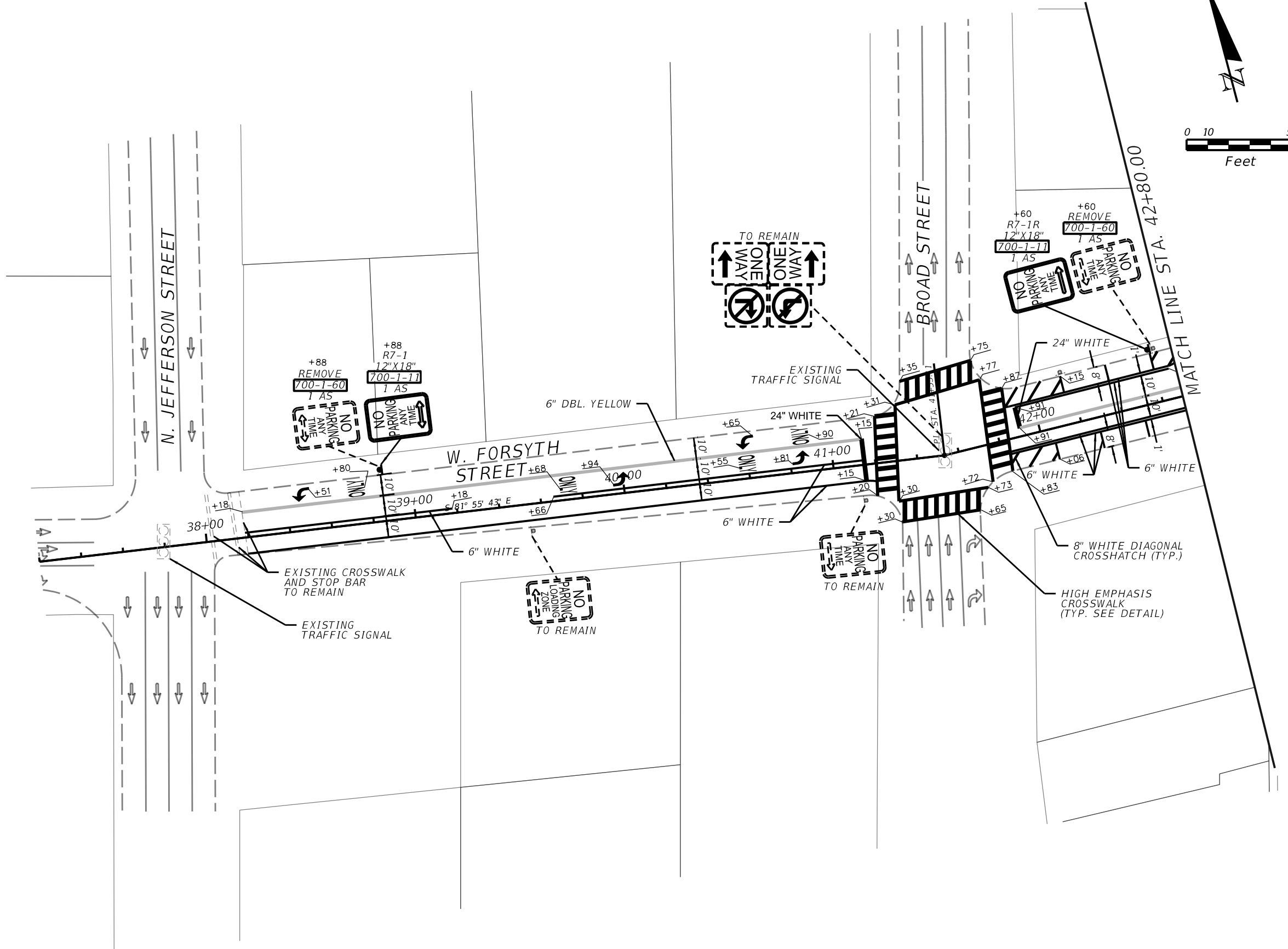
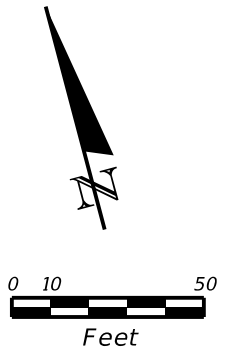
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CITY OF JACKSONVILLE
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*SIGNING AND PAVEMENT
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SHEET NO.



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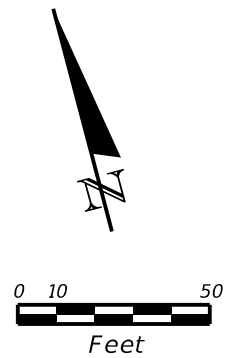
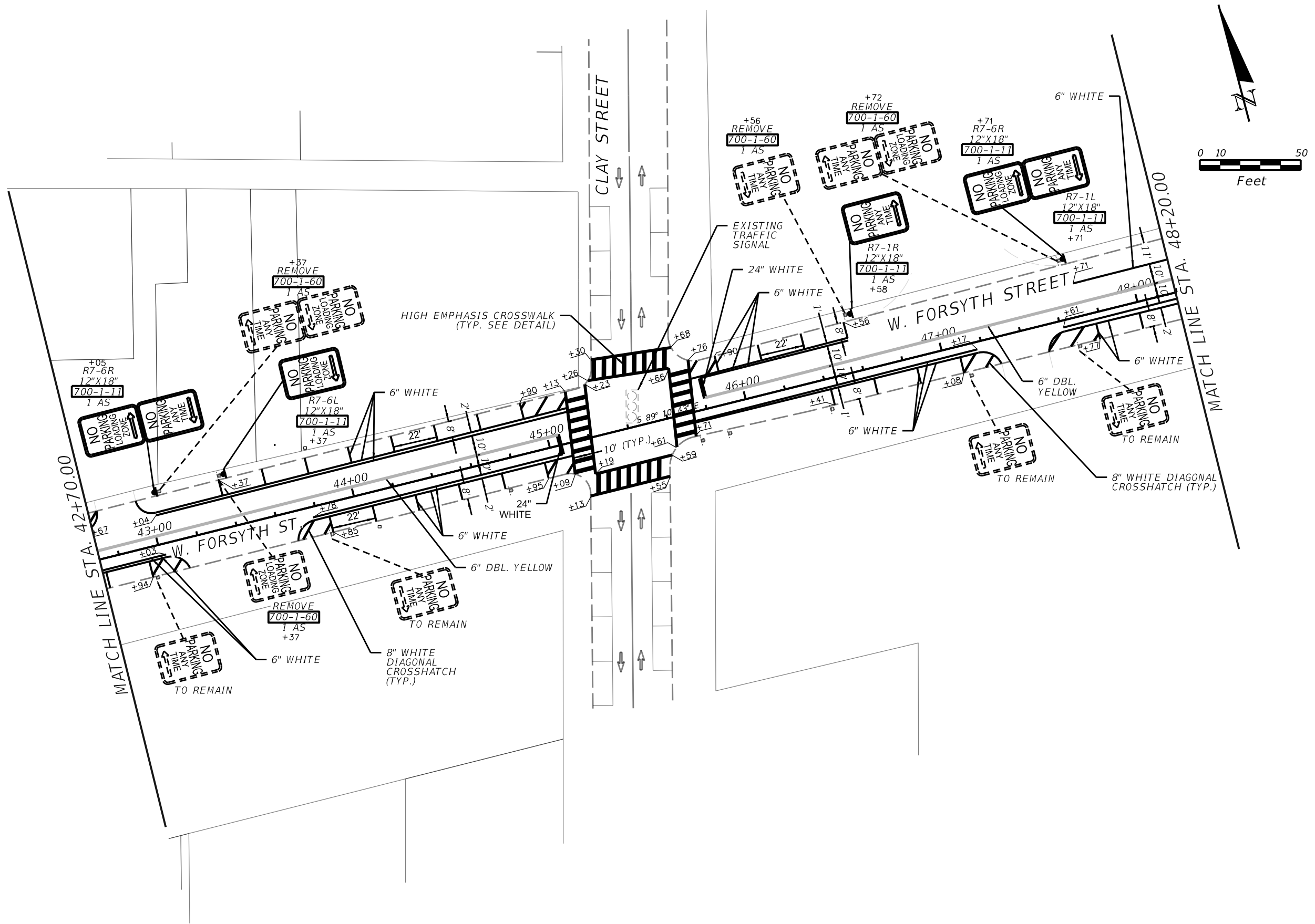


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 PUBLIC WORKS DEPARTMENT

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 79


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JANKRISTOF R. DEVASTEY, PE PE# 78230

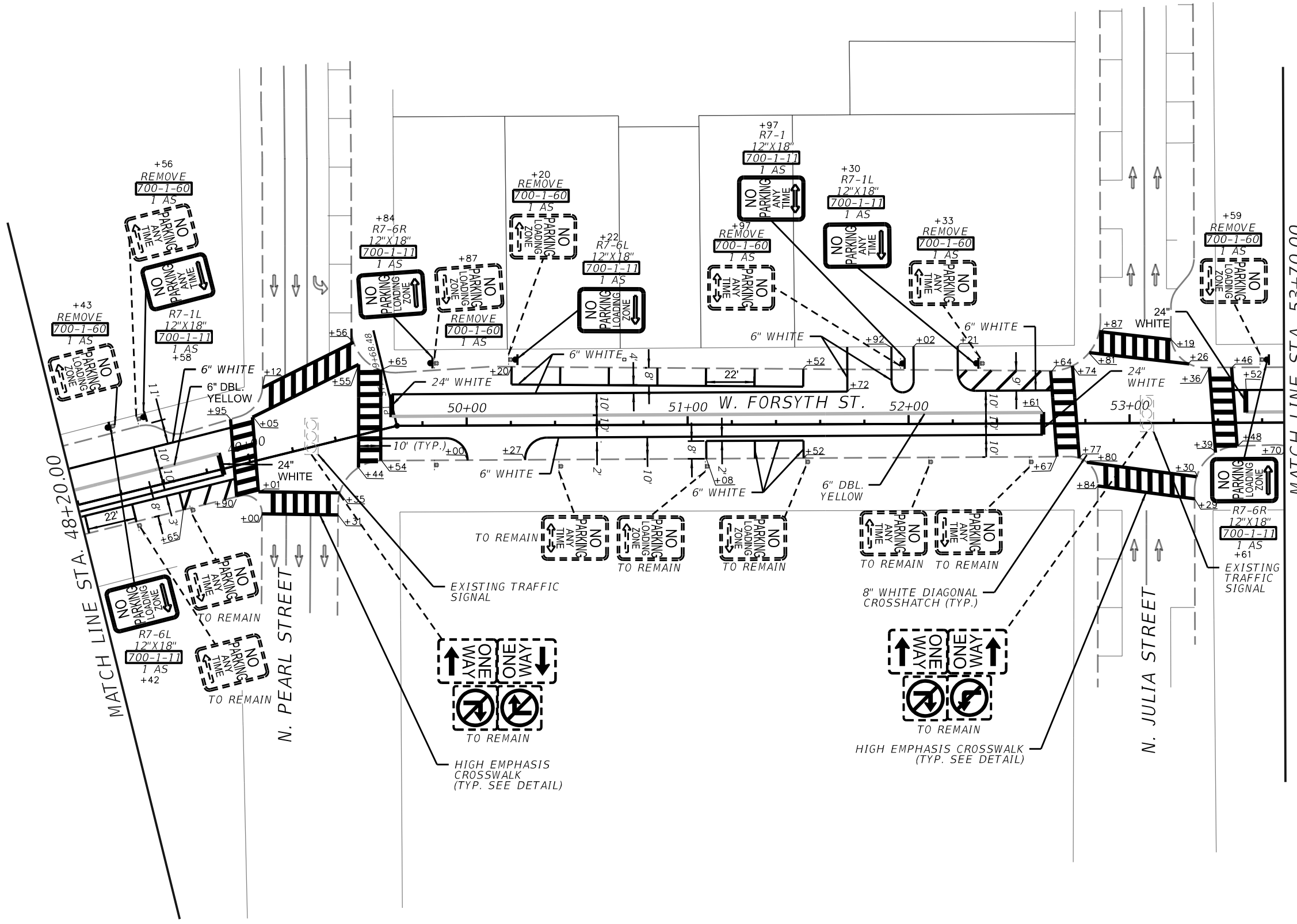
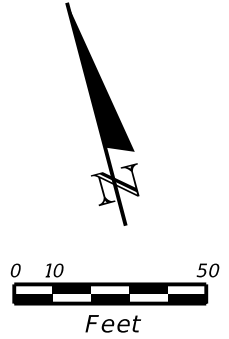


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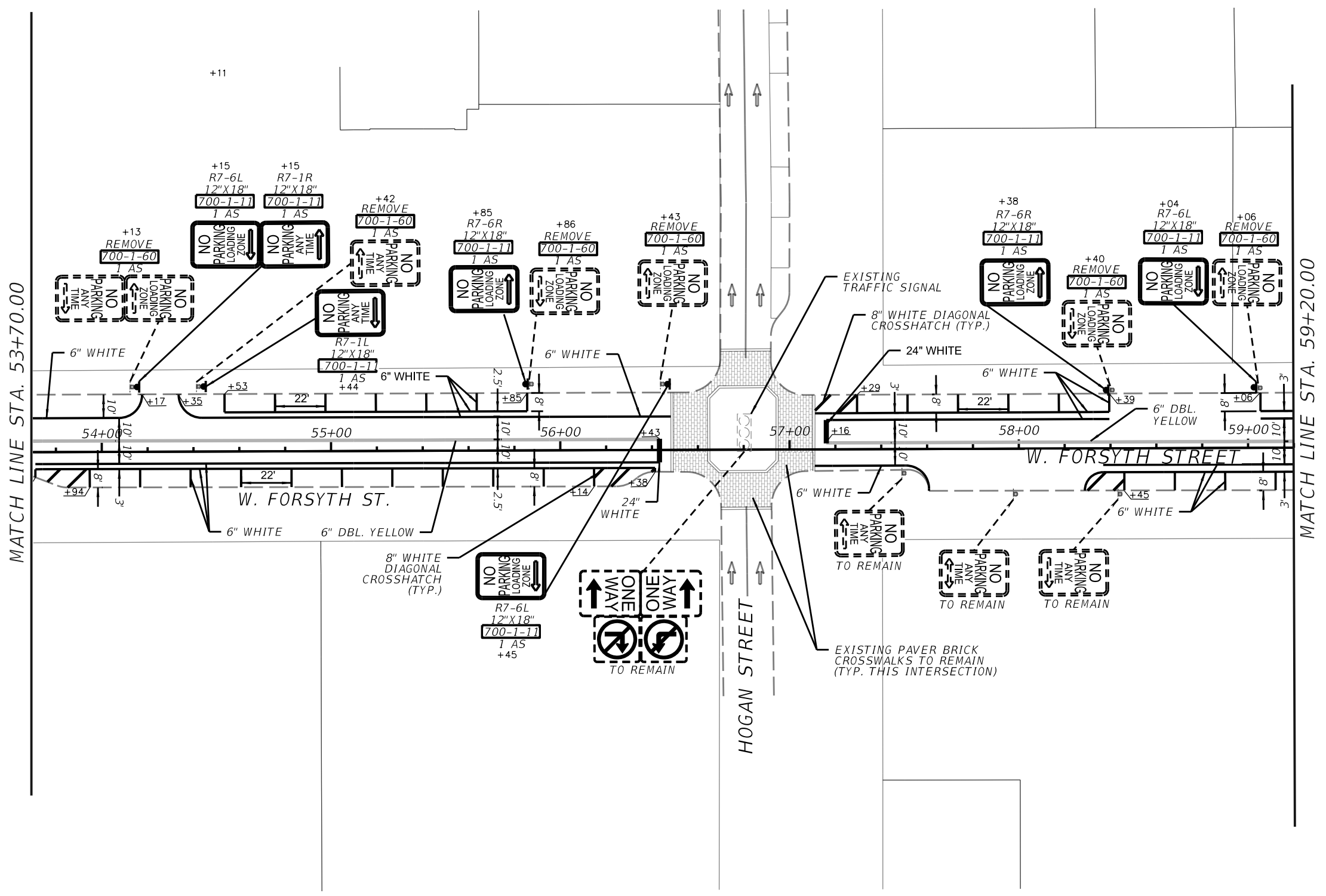
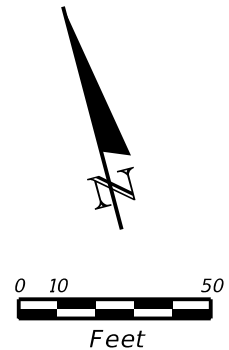


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MATCH LINE STA. 53+70.00

MATCH LINE STA. 59+20.00

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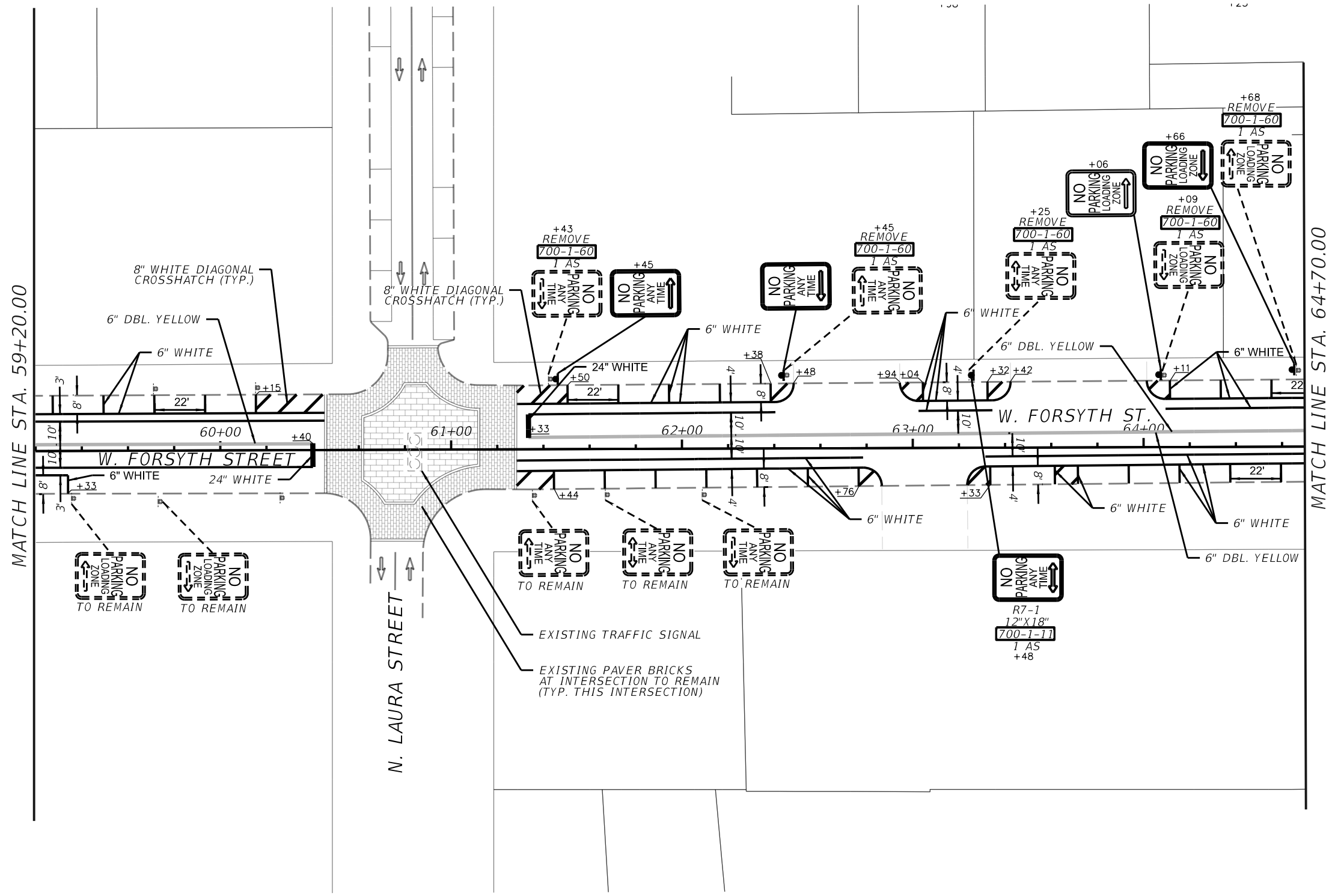
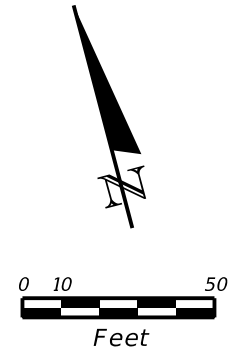


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 02

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MATCH LINE STA. 64+70.00

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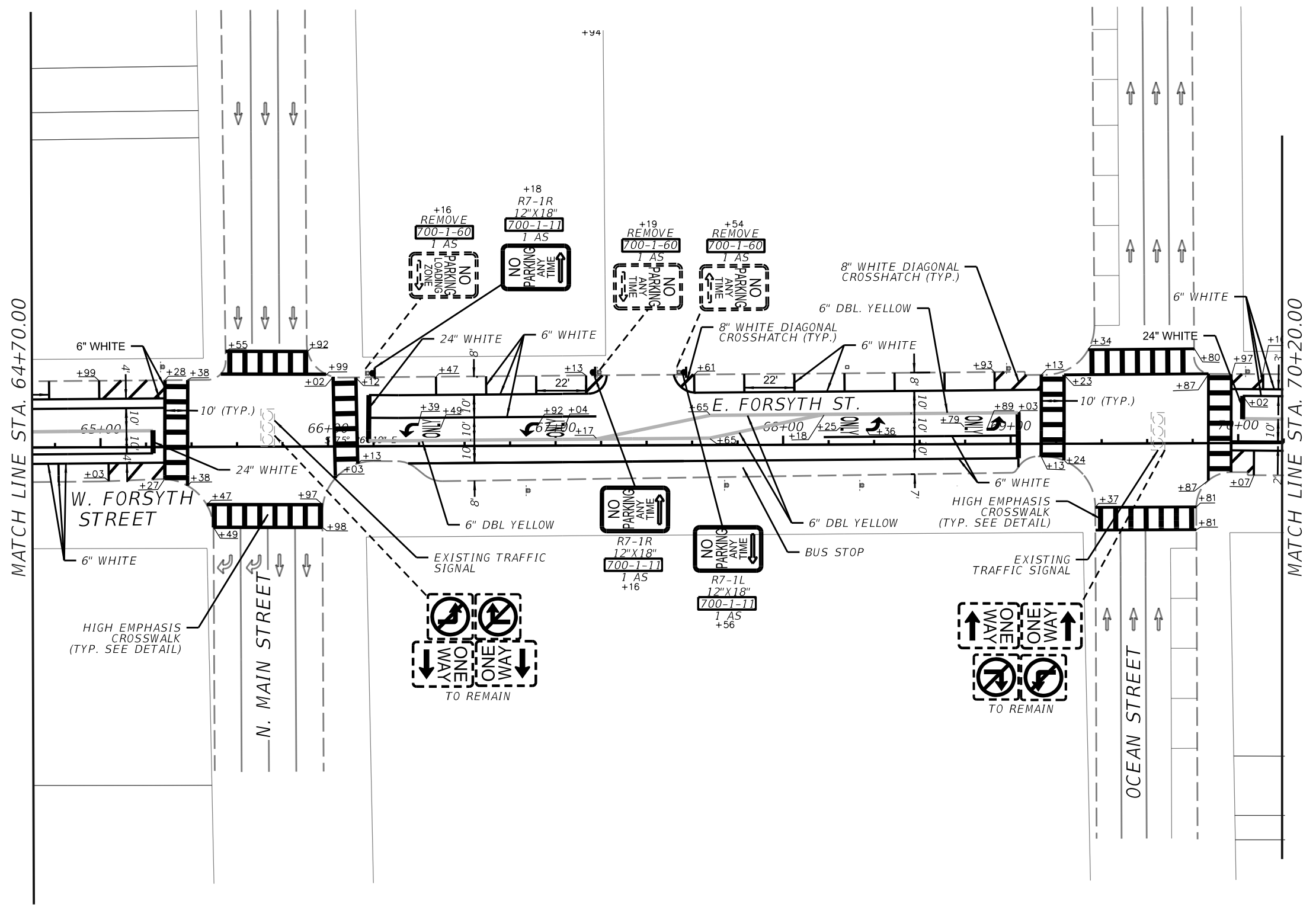
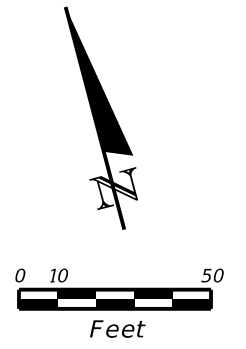
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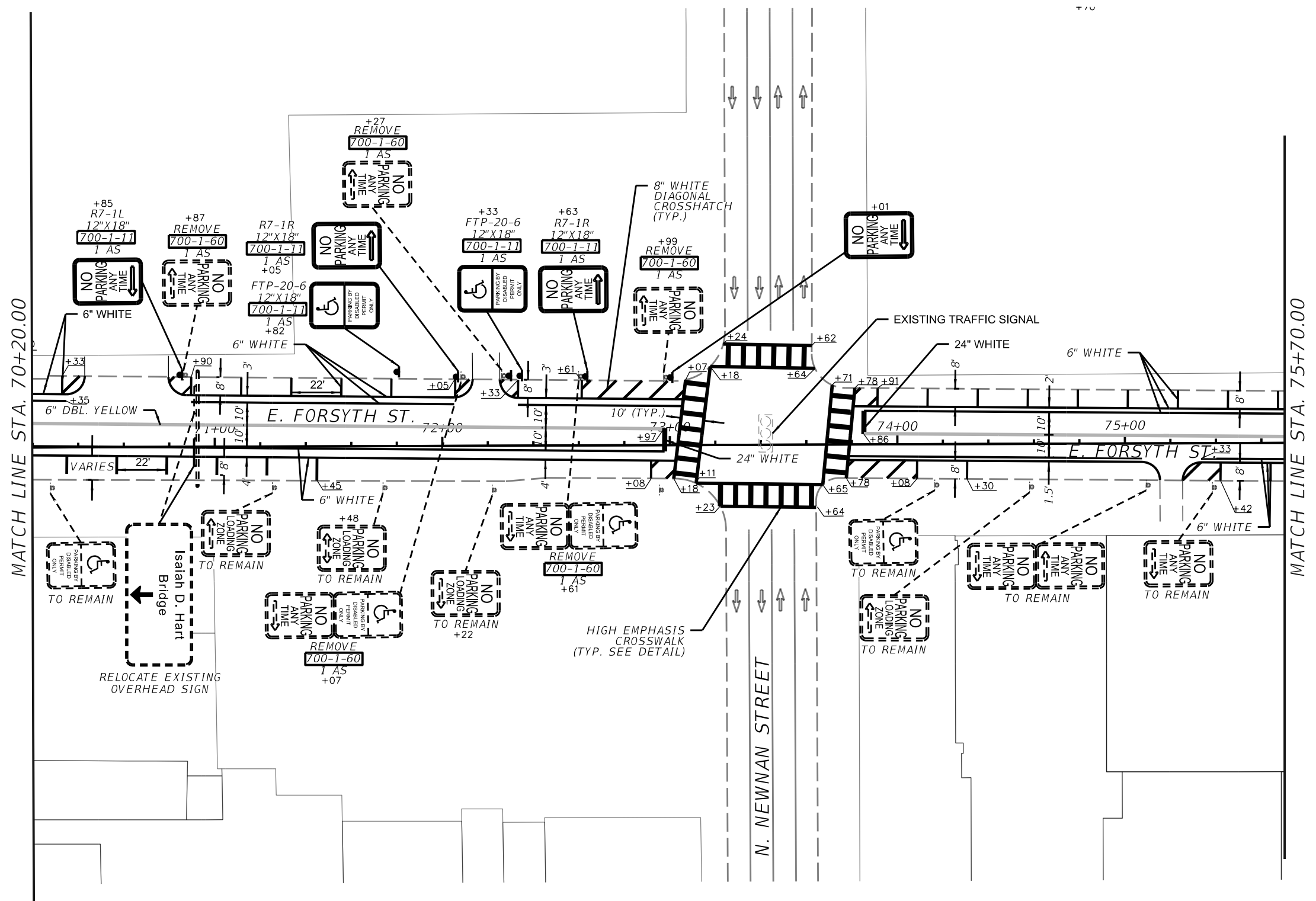
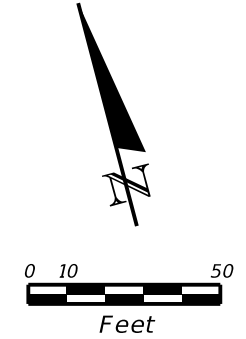


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JANKRISTOF R. DEVASTEY, PE PE# 78230

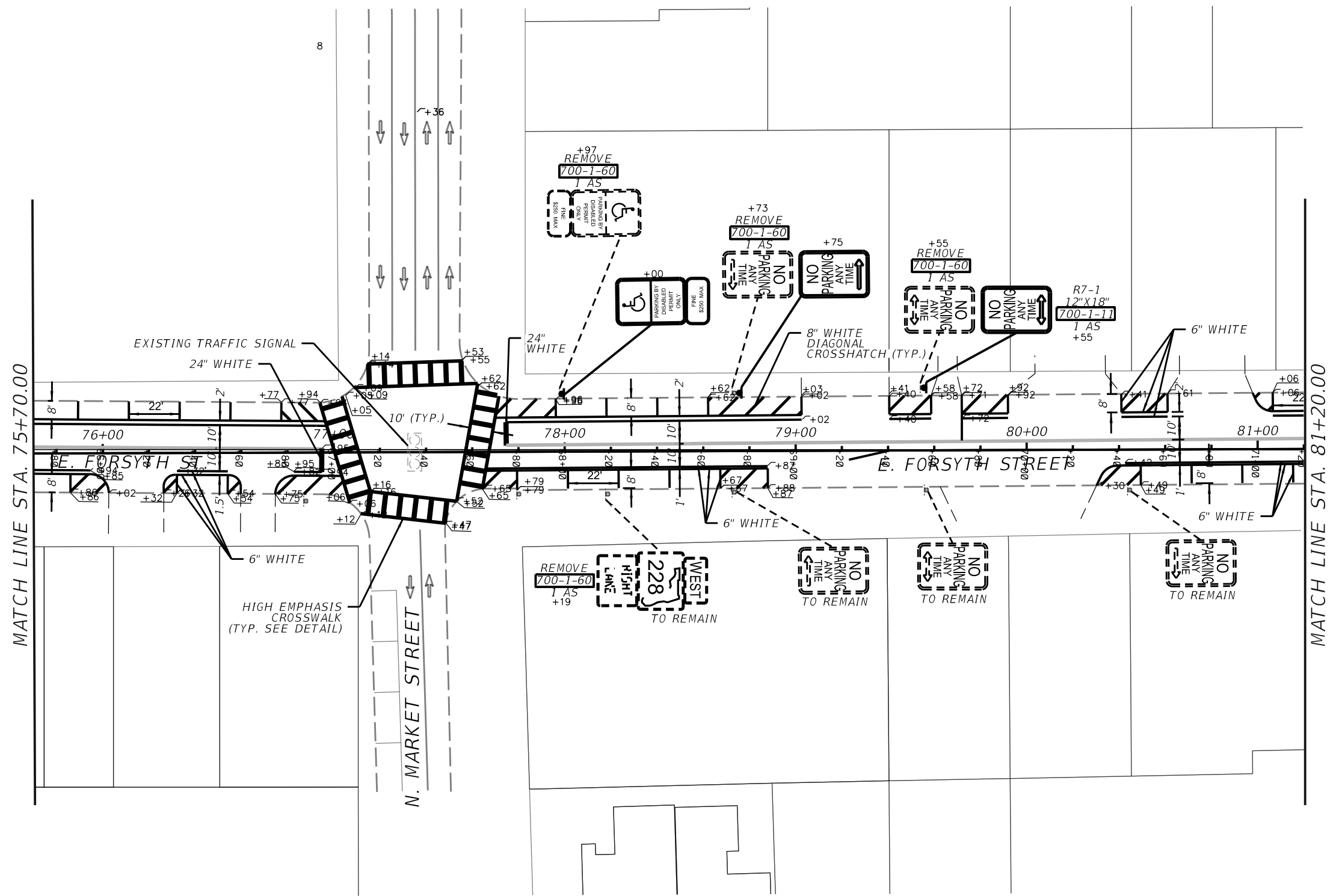
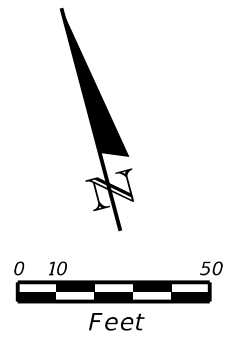


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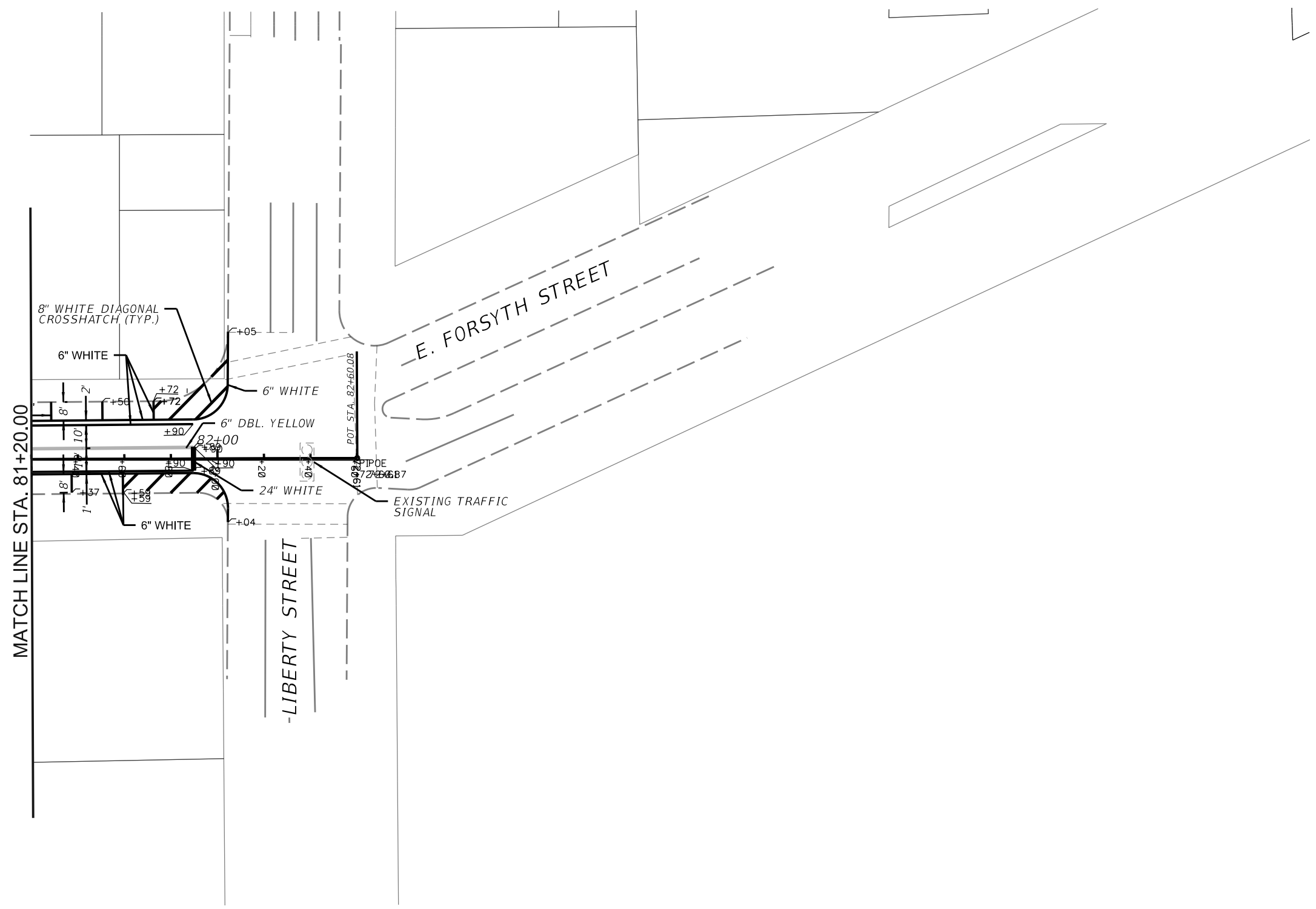
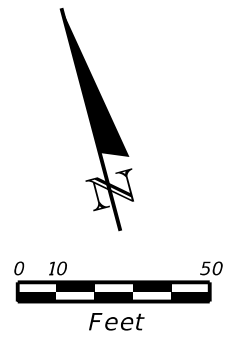
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SHEET NO.
 07

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TABULATION OF SIGNAL QUANTITIES


PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														GRAND TOTAL	
			T-1		T-2		T-3		T-4		T-5		T-6		T-7		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF					195		239		243		226		289		4931	
632-7-1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	PI					1		1		1		1		1		21	
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	EA					6		6		6		6		6		138	
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA															1	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA							1		1						9	
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 30'	EA															3	
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA															3	
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA					1										1	
649-26-5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA							1								2	
649-26-7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA							1		1		1				21	
650-1-14	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	AS					1		6		6		6		2		90	
650-1-16	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 4 SECTION STRAIGHT, 1 WAY	AS					1										7	
650-1-60	VEHICLE TRAFFIC SIGNAL, REMOVE-POLE TO REMAIN	AS															3	
650-1-70	VEHICULAR TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS															7	
650-2-109	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- F&I, BACKPLATE- FLEXIBLE REQUIRED	EA	6		2		4								5		74	
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1-WAY	AS	8						4		6		6		3		85	
653-1-12	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2-WAY	AS							1		1		1				5	
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	8						3		4		4		3		64	
671-2-40	TRAFFIC CONTROLLER, MODIFY	AS					1		1		1		1		1		22	
700-3-101	SIGN PANEL, F&I GROUND MOUNT, UP TO 12 SF	EA															61	
700-3-201	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF	EA					5								6		41	
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA															17	
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA			1		3								3		34	
715-4-11	PEDESTAL VEHICULAR SIGNAL POLE	EA							3		3		3				19	
715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA											2				4	
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, F&I NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA											2				4	

TABULATION OF SIGNAL QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														GRAND TOTAL	
			T-8		T-9		T-10		T-11		T-12		T-13		T-14		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	203		260		239		228		241						4931	
632-7-1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1		1		1		1		1						21	
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	EA	7		7		7		7		7						138	
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA															1	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA							1		1						9	
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 30'	EA															3	
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA			1		1										3	
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA															1	
649-26-5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA															2	
649-26-7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA							3		3						21	
650-1-14	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	AS	2		2		1		8		8						90	
650-1-16	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 4 SECTION STRAIGHT, 1 WAY	AS			1		1										7	
650-1-60	VEHICLE TRAFFIC SIGNAL, REMOVE-POLE TO REMAIN	AS			1												3	
650-1-70	VEHICULAR TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS			1		2										7	
650-2-109	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- F&I, BACKPLATE- FLEXIBLE REQUIRED	EA	6		3		4						7		6		74	
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1-WAY	AS	2						6		6		2		4		85	
653-1-12	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2-WAY	AS													1		5	
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	2						4		4		2		6		64	
671-2-40	TRAFFIC CONTROLLER, MODIFY	AS	1		1		1		1		1		1		1		22	
700-3-101	SIGN PANEL, F&I GROUND MOUNT, UP TO 12 SF	EA							4		9						61	
700-3-201	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF	EA			5		5										41	
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA			4		4										17	
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	4		3		3										34	
715-4-11	PEDESTAL VEHICULAR SIGNAL POLE	EA							1		1						19	
715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA															4	
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, F&I NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA															4	

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 Jacksonville, Florida 32224-0229
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 www.prosserinc.com
 EMAN GOMAA, PE PE# 74537
 Florida Certificate of Authorization Number: 00004050

 CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TABULATION OF QUANTITIES

SHEET NO.
88

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TABULATION OF SIGNAL QUANTITIES


PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												GRAND TOTAL	
			T-15		T-16		T-17		T-18		T-19		T-20		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	219		217		207		252		213		266		4931	
632-7-1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1		1		1		1		1		1		21	
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	EA	6		6		7		6		6		7		138	
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA					1								1	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA							1		2				9	
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 30'	EA	1		1										3	
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA													3	
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA													1	
649-26-5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA							1						2	
649-26-7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA					3		2		1				21	
650-1-14	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	AS	1		2		8		8		6		2		90	
650-1-16	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 4 SECTION STRAIGHT, 1 WAY	AS	1		1										7	
650-1-60	VEHICLE TRAFFIC SIGNAL, REMOVE-POLE TO REMAIN	AS			1										3	
650-1-70	VEHICULAR TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS			1										7	
650-2-109	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- F&I, BACKPLATE- FLEXIBLE REQUIRED	EA	4		3								4		74	
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1-WAY	AS					7		8		7		2		85	
653-1-12	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2-WAY	AS													5	
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS					5		4		1		2		64	
671-2-40	TRAFFIC CONTROLLER, MODIFY	AS	1		1		1		1		1		1		22	
700-3-101	SIGN PANEL, F&I GROUND MOUNT, UP TO 12 SF	EA					4		9		8				61	
700-3-201	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF	EA	3		6								4		41	
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA			3										17	
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA			2								3		34	
715-4-11	PEDESTAL VEHICULAR SIGNAL POLE	EA					1		2		3				19	
715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA							1		1				4	
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, F&I NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA							1		1				4	

TABULATION OF SIGNAL QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												GRAND TOTAL	
			T-21		T-22		T-23		T-24		T-25		T-26		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	212		254		261		224		243				4931	
632-7-1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1		1		1		1		1				21	
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	EA	7		8		6		7		7				138	
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA													1	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA							1		1				9	
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 30'	EA			1										3	
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA					1								3	
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA													1	
649-26-5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA													2	
649-26-7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA							3		3				21	
650-1-14	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	AS	2		1		2		8		8				90	
650-1-16	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 4 SECTION STRAIGHT, 1 WAY	AS			1		1								7	
650-1-60	VEHICLE TRAFFIC SIGNAL, REMOVE-POLE TO REMAIN	AS					1								3	
650-1-70	VEHICULAR TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS			2		1								7	
650-2-109	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- F&I, BACKPLATE- FLEXIBLE REQUIRED	EA	6		4		3						7		74	
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1-WAY	AS	1						5		4		4		85	
653-1-12	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2-WAY	AS											1		5	
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	1						3		2		6		64	
671-2-40	TRAFFIC CONTROLLER, MODIFY	AS	1		1		1		1		1				22	
700-3-101	SIGN PANEL, F&I GROUND MOUNT, UP TO 12 SF	EA							4		4				61	
700-3-201	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF	EA			3		4								41	
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA			3		3								17	
700-3-602	SIGN PANEL, REMOVE, UP TO 12 SF	EA	4		4		4								34	
715-4-11	PEDESTAL VEHICULAR SIGNAL POLE	EA							1		1				19	
715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA													4	
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, F&I NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA													4	

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 Florida Certificate of Authorization Number: 00004050

 CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

TABULATION OF QUANTITIES

SHEET NO.
 89

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SIGNALIZATION NOTES

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF JACKSONVILLE TRAFFIC ENGINEERING DIVISION 48 HOURS IN ADVANCE OF BEGINNING SIGNAL WORK TO OBSERVE INSTALLATION IF DESIRED. THE CONTACT IS MIKE CAMACHO AT 904-255-7549.
2. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY AT LEAST 1 WEEK IN ADVANCE OF POLE SETTING OPERATIONS WHERE CONFLICT WITH OVERHEAD ELECTRICAL CONDUCTORS IS EXPECTED.
3. VERIFY COLOR CODES FOR BOTH SIGNAL CABLE AND INTERCONNECT FIBER OPTIC CABLE WITH THE MAINTAINING AGENCY, COJ TRAFFIC ENGINEERING DIVISION.
4. SPARE CONDUIT RUNS FROM THE CONTROLLER BASE SHALL BE TERMINATED, ONE EACH IN THE NEAREST LOOP LEAD-IN PULL BOX OR SIGNAL CABLE PULL BOX.
5. THERE SHALL BE NO LOOP LEAD-INS, VIDEO DETECTION, MICROWAVE DETECTION, SIGNAL CABLE OR POWER SERVICE WIRE IN THE SAME CONDUIT RUNS.
6. ALL CONDUITS, LOOP LEAD-IN, SIGNAL CABLE AND COMMUNICATIONS CONDUIT SHALL BE A MINIMUM OF 2 INCH, UNLESS OTHERWISE SPECIFIED IN THE PLANS, EXCEPT ELECTRICAL POWER SERVICE.
7. TRAFFIC SIGNAL CABLE SHALL NOT BE SPLICED IN PEDESTRIAN PEDESTAL BASES OR PULL BOXES. USE CONTINUOUS RUNS OF SIGNAL CABLE BETWEEN CONTROLLER CABINET AND TERMINATION COMPARTMENT, HAND HOLE OF MAST ARM, OR STRAIN POLE SIGNAL HEAD DISCONNECT.
8. A MINIMUM OF THREE SPARE WIRES SHALL BE PROVIDED WITHIN ALL SIGNAL CABLES TO POLE HAND HOLES.
9. ALL TRAFFIC SIGNAL STRUCTURES SHALL NOT BE PAINTED OTHER THAN GALVANIZED COATING.
10. ALL SIGNAL HEADS SHALL HAVE BACK-PLATES WITH RETRO-REFLECTIVE BOARDER.
11. NO POLYCARBONATE HOUSING OR MOUNTING HARDWARE SHALL BE PERMITTED.
12. A SINGLE #12 AWG STRANDED INSULATED COPPER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF FIBER OPTIC COMMUNICATIONS CONDUIT RUNS, INSTALLED WITHIN A SPARE CONDUIT FOR THE PURPOSE OF LOCATING.
13. VERIFY VERTICALLY AND HORIZONTALLY (VVH), EXISTING UTILITIES PRIOR TO ANY DIRECTIONAL OR JACK AND BORES. COST SHALL BE INCLUDED IN THE BORE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING SIGNAL CABLE, COMMUNICATIONS CABLE, LOOP LEAD-IN CABLE AND POWER SERVICE CONDUIT RUNS THROUGHOUT THE DURATION OF THE PROJECT.
15. WHEN INSTALLING SIGNAL STRUCTURE FOOTER AND FOUNDATIONS EXCAVATE THE FIRST 4 FEET BY NON-MECHANICAL MEANS.
16. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT LEGIBLE WATERPROOF TAGGING. THE TAGGING SYSTEM SHALL BE SUBMITTED FOR APPROVAL FOR COJ.
17. COJ RESERVES THE RIGHT TO ACCEPT OR REFUSE REMOVED EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND COST ASSOCIATED WITH REMOVAL AND DELIVERY. ALL REMOVED MAST ARM STRUCTURES, SIGNAL HEADS, SIGNAL CABINETS AND MISCELLANEOUS EQUIPMENT ACCEPTED, SHALL BE DELIVERED TO THE CITY OF JACKSONVILLE, TRAFFIC ENGINEERING WAREHOUSE AT 1007 SUPERIOR STREET, JACKSONVILLE FL, 32254.
18. AT THE TIME OF FINAL PROJECT INSPECTION, THE CONTRACTOR SHALL PROVIDE 3 SETS OF SIGNED AND SEALED AS-BUILT PLANS AND COMPLETE DOCUMENTATION OF ANY EQUIPMENT AND OR HARDWARE USED FOR CONSTRUCTION TO THE MAINTAINING AGENCY.

SIGNALIZATION NOTES

19. TWO MANUAL PUSH BUTTONS AND TWO SETS CABINET KEYS AND TWO SETS OF POLICE PANEL KEYS SHALL BE PROVIDED.
20. SHOP DRAWINGS FOR ANY EQUIPMENT USED FOR CONSTRUCTION SHALL BE SUBMITTED TO THE ENGINEER AND CITY OF JACKSONVILLE, TRAFFIC ENGINEERING FOR APPROVAL PRIOR TO ORDERING.
21. A COPY OF MAST ARM STRUCTURE DESIGN CALCULATIONS SHALL BE PROVIDED TO COJ TRAFFIC ENGINEERING DIVISION.
22. THE CONTRACTOR SHALL ENSURE ALL EQUIPMENT INSTALLED AND WORK PERFORMED MEETS FDOT AND COJ STANDARDS. EQUIPMENT SHALL BE FULLY COMPATIBLE WITH THE EXISTING COJ'S TRAFFIC MANAGEMENT SOFTWARE, TRAFFICWARE-NAZTEC ATMS.NOW.
23. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE FDOT STANDARD INDICES AND ANY MOT REQUIRED IN THE PLAN SET.
24. ALL GROUND RODS SHALL BE INSTALLED IN NEAREST PULL BOX, PEDESTRIAN POLE FOUNDATION BASE OR SIGNAL CABINET BASE.
25. NOT UNTIL AND UPON COMPLETION OF ALL TRAFFIC SIGNAL CONSTRUCTION ITEMS WILL THE TRAFFIC SIGNAL BE PLACED INTO OPERATION. THIS INCLUDES ALL FOC CONNECTIONS, CCTV INSTALLATIONS, O&D DEVICE INSTALLATIONS AND VEHICLE DETECTION SYSTEMS.
26. MAINTAIN EXISTING TIMINGS.
27. THE MAJOR STREETS FOR ALL INTERSECTIONS ARE ADAMS AND FORSYTH STREETS.
28. CONTRACTOR SHALL IDENTIFY IN THE FIELD THE LOCATION OF ALL PROPOSED SIGNAL FOUNDATIONS. CONTRACTOR SHALL DESIGNATE ALL UTILITIES, TO A MINIMUM OF QUALITY LEVEL B, WITHIN TEN (10) FEET OF THE PROPOSED SIGNAL FOUNDATION. SHOULD THE PROPOSED SIGNAL FOUNDATION BE IN CONFLICT WITH THE EXISTING UTILITIES, ANOTHER FOUNDATION LOCATION FREE OF UTILITY CONFLICTS SHALL BE IDENTIFIED. ALL FINAL SIGNAL FOUNDATION LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
29. CONTRACTOR TO VERIFY BLOCK NUMBERS ON STREET NAME SIGNS PRIOR TO FABRICATION.
30. SIGNAL POLE LUMIARES SHALL BE COMPLIANT WITH THE COJ DOWNTOWN DESIGN GUIDEBOOK.
31. POSTED SPEEDS:

ADAMS STREET	25 MPH
FORSYTH STREET	25 MPH
LEE STREET	30 MPH
JEFFERSON STREET	30 MPH
BROAD STREET	30 MPH
CLAY STREET	35 MPH
PEARL STREET	30 MPH
JULIA STREET	35 MPH
HOGAN STREET	30 MPH
LAURA STREET	30 MPH
MAIN STREET	30 MPH
OCEAN STREET	30 MPH
NEWMAN STREET	35 MPH
MARKET STREET	30 MPH
LIBERTY STREET	35 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 13901 Sutton Park Drive South, Suite 200
 Jacksonville, Florida 32224-0229
 P: 904.739.3655 F: 904.730.3413
 www.prosserInc.com
 EMAN GOMAA, PE PE# 74537
 Florida Certificate of Authorization Number: 00004050

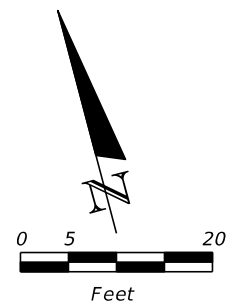


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

SIGNALIZATION NOTES

SHEET NO.

90

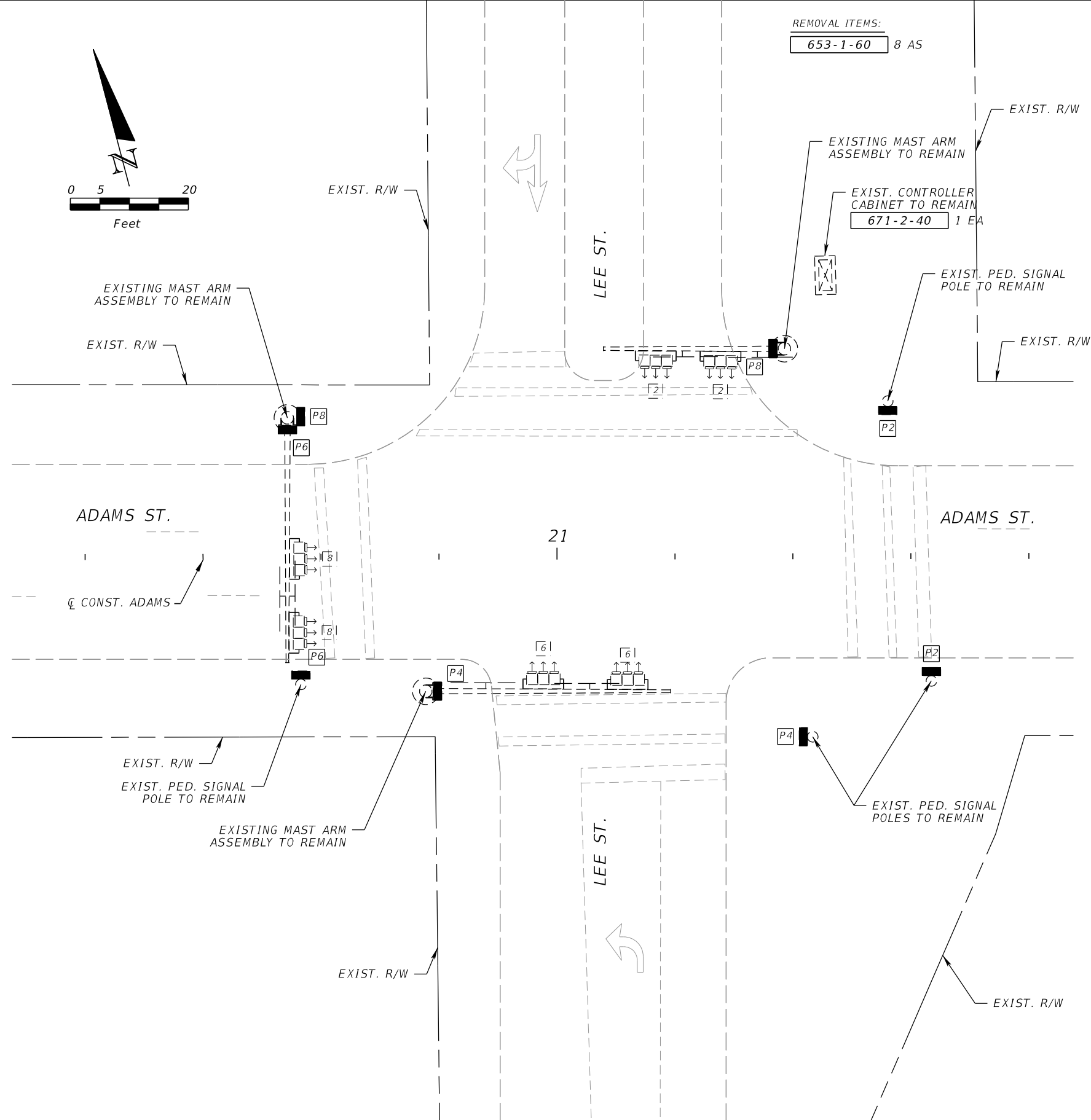
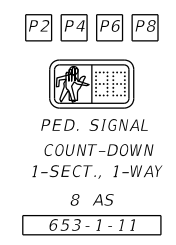


REMOVAL ITEMS:
653-1-60 8 AS

SPECIAL S.O.P.



SIGNAL DETAILS



GENERAL NOTES

1. REPLACE ALL EXISTING PEDESTRIAN SIGNAL HEADS WITH LED COUNTDOWN INCLUDING ALL RELATED ATTACHMENTS.
2. ALL OTHER SIGNAL EQUIPMENT TO REMAIN AS IS.

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CITY OF JACKSONVILLE
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SIGNALIZATION PLAN

SHEET NO.
91

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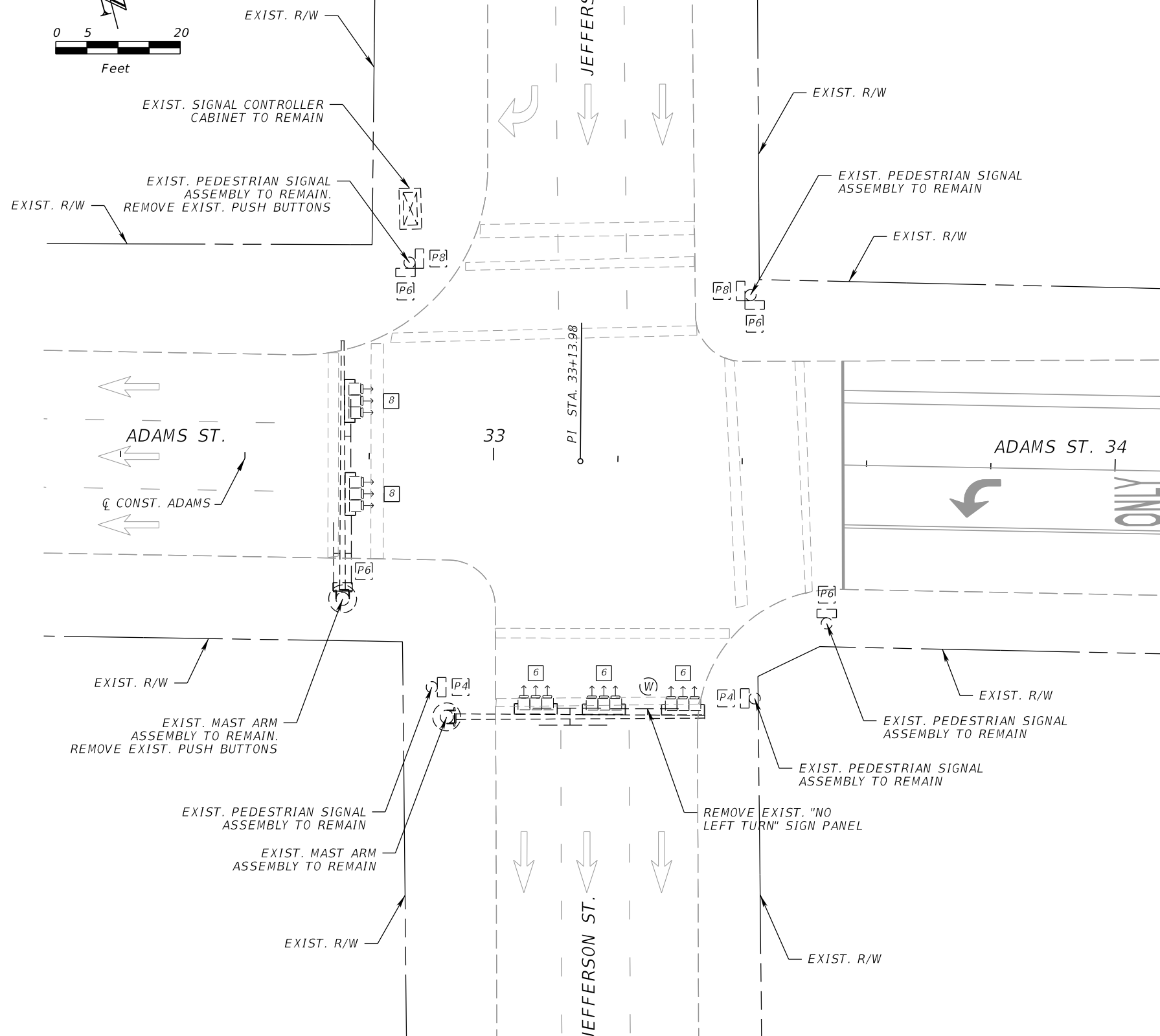
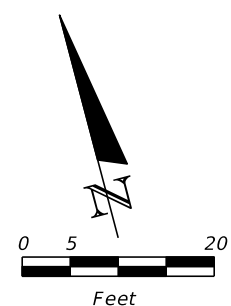


SIGN DETAILS

REMOVE EXISTING NO LEFT TURN SIGN PANEL



700-3-601
1 AS



GENERAL NOTES

1. REMOVE EXISTING "NO LEFT TURN" SIGN PANEL FACING SB TRAFFIC.
2. ALL OTHER SIGNAL EQUIPMENT TO REMAIN AS IS.

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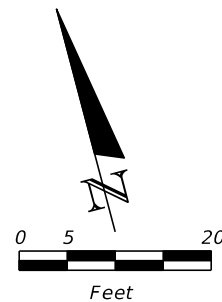


CITY OF JACKSONVILLE
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SIGNALIZATION PLAN

SHEET NO.
92

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2 RUNS @ 53 LF 630-2-12
 EXIST. MAST ARM ASSEMBLY TO REMAIN
 1 RUN @ 7 LF 630-2-12

EXIST. R/W

ADAMS ST.

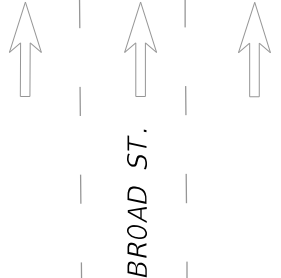


EXIST. R/W

2 RUNS @ 53 LF 630-2-12

EXIST. PEDESTRIAN SIGNAL ASSEMBLY TO REMAIN
 1 RUN @ 5 LF 630-2-12

EXIST. R/W



BROAD ST.

EXIST. R/W

BROAD ST.

EXIST. R/W
 REMOVAL ITEMS:
 700-3-601 1 AS

REPLACE EXISTING STREET NAME SIGN

EXIST. CONTROLLER CABINET TO REMAIN
 671-2-40 1 EA
 630-2-12 3 RUNS @ 5 LF

EXIST. MAST ARM ASSEMBLY TO REMAIN
 630-2-12 1 RUN @ 5 LF

EL

POLE LOCATION=
 STA. 37+26.30
 25.54 LT

649-21-6 1 EA
 630-2-12 1 RUN @ 6 LF

EXIST. R/W

PI STA. 36+86.50

37

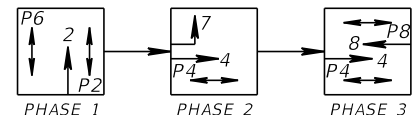
ADAMS ST.

EXIST. R/W

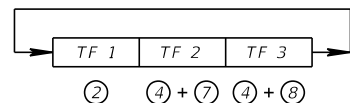
630-2-12 2 RUNS @ 53 LF

EXIST. PEDESTRIAN SIGNAL ASSEMBLY TO REMAIN
 630-2-12 1 RUN @ 8 LF

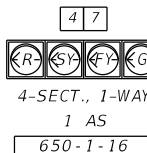
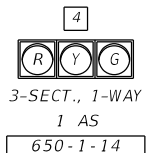
EXIST. R/W



SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



A
 24" x 30"
 700-3-201
 1 AS



D
 24" x 24"
 700-3-201
 1 AS



U
 700-3-601
 1 AS

REMOVE EXISTING NO. RIGHT TURN SIGN PANEL



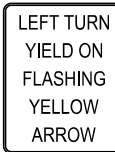
X
 700-3-601
 1 AS



F
 48" x 12"
 700-3-201
 1 AS



K
 48" x 12"
 700-3-201
 1 AS



T
 30" x 36"
 700-3-201
 1 AS

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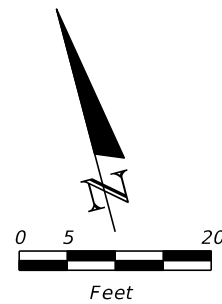


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

SIGNALIZATION PLAN

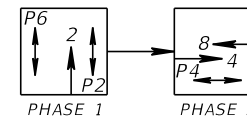
SHEET NO.

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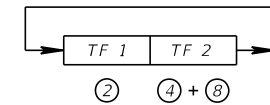


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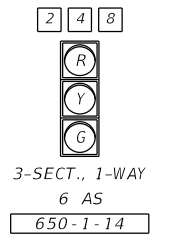
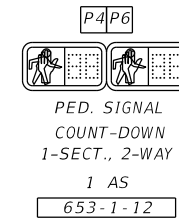
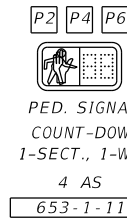
646-1-60	1 EA
649-26-5	1 EA
649-26-7	1 EA
653-1-60	3 AS



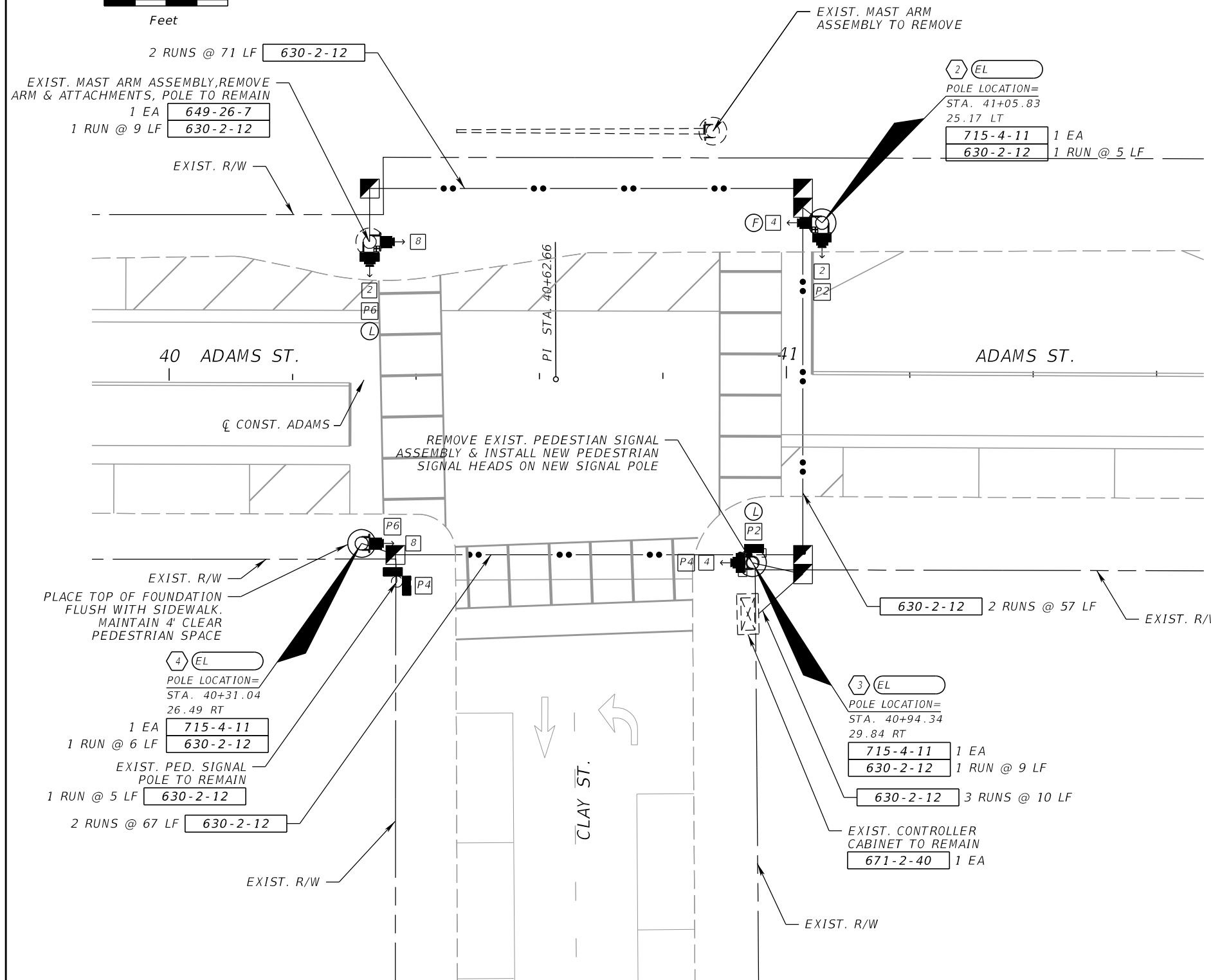
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



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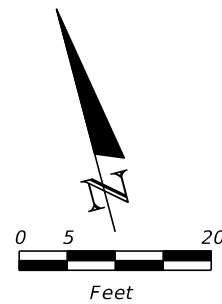


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

SIGNALIZATION PLAN

SHEET NO.
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REMOVAL ITEMS:

646-1-60	1 EA
649-26-7	1 EA
653-1-60	4 AS

EXIST. PED. SIGNAL ASSEMBLY TO REMAIN
 1 RUN @ 5 LF 630-2-12
 5 EL
 POLE LOCATION=
 STA. 44+02.22
 28.31 LT
 1 EA 715-4-11
 1 RUN @ 5 LF 630-2-12

EXIST. R/W
 630-2-12 2 RUNS @ 70 LF

6 EL
 POLE LOCATION=
 STA. 44+73.60
 26.62 LT
 1 EA 715-4-11
 1 RUN @ 7 LF 630-2-12

630-2-12 2 RUNS @ 60 LF

ADAMS ST. 44
 CONST. ADAMS

ADAMS ST. 45

EXIST. R/W
 EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
 1 RUN @ 6 LF 630-2-12

2 RUNS @ 62 LF 630-2-12

EXIST. R/W

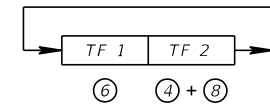
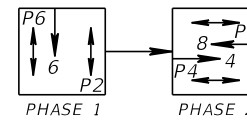
EXIST. R/W
 REMOVE EXIST. PEDESTIAN SIGNAL ASSEMBLY & INSTALL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE

7 EL
 POLE LOCATION=
 STA. 44+65.48
 32.39 RT
 1 EA 715-4-11
 1 RUN @ 11 LF 630-2-12

630-2-12 3 RUNS @ 17 LF

EXIST. SIGNAL CONTROLLER CABINET TO REMAIN
 671-2-40 1 EA

EXIST. R/W



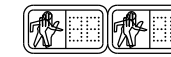
SIGNAL DETAILS

P2 P4 P6 P8



PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY
 6 AS
 653-1-11

P4 P6



PED. SIGNAL COUNT-DOWN 1-SECT., 2-WAY
 1 AS
 653-1-12

4 6 8



3-SECT., 1-WAY
 6 AS
 650-1-14

SIGN DETAILS



A
 24" x 30"
 700-3-101
 1 AS



B
 24" x 30"
 700-3-101
 1 AS



C
 24" x 24"
 700-3-101
 1 AS



D
 24" x 24"
 700-3-101
 1 AS



F
 48" x 12"
 700-3-101
 2 AS



M
 42" x 12"
 700-3-101
 2 AS

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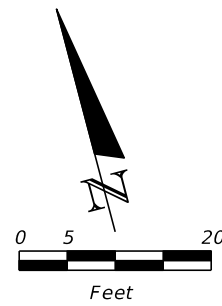


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

SIGNALIZATION PLAN

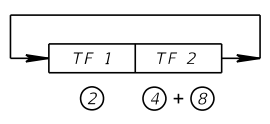
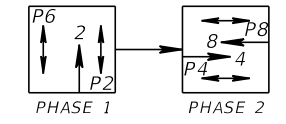
SHEET NO.

95

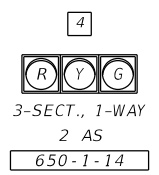
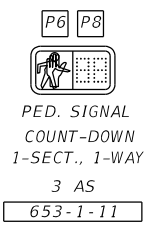


REMOVAL ITEMS:
 653-1-60 3 AS
 700-3-601 1 AS

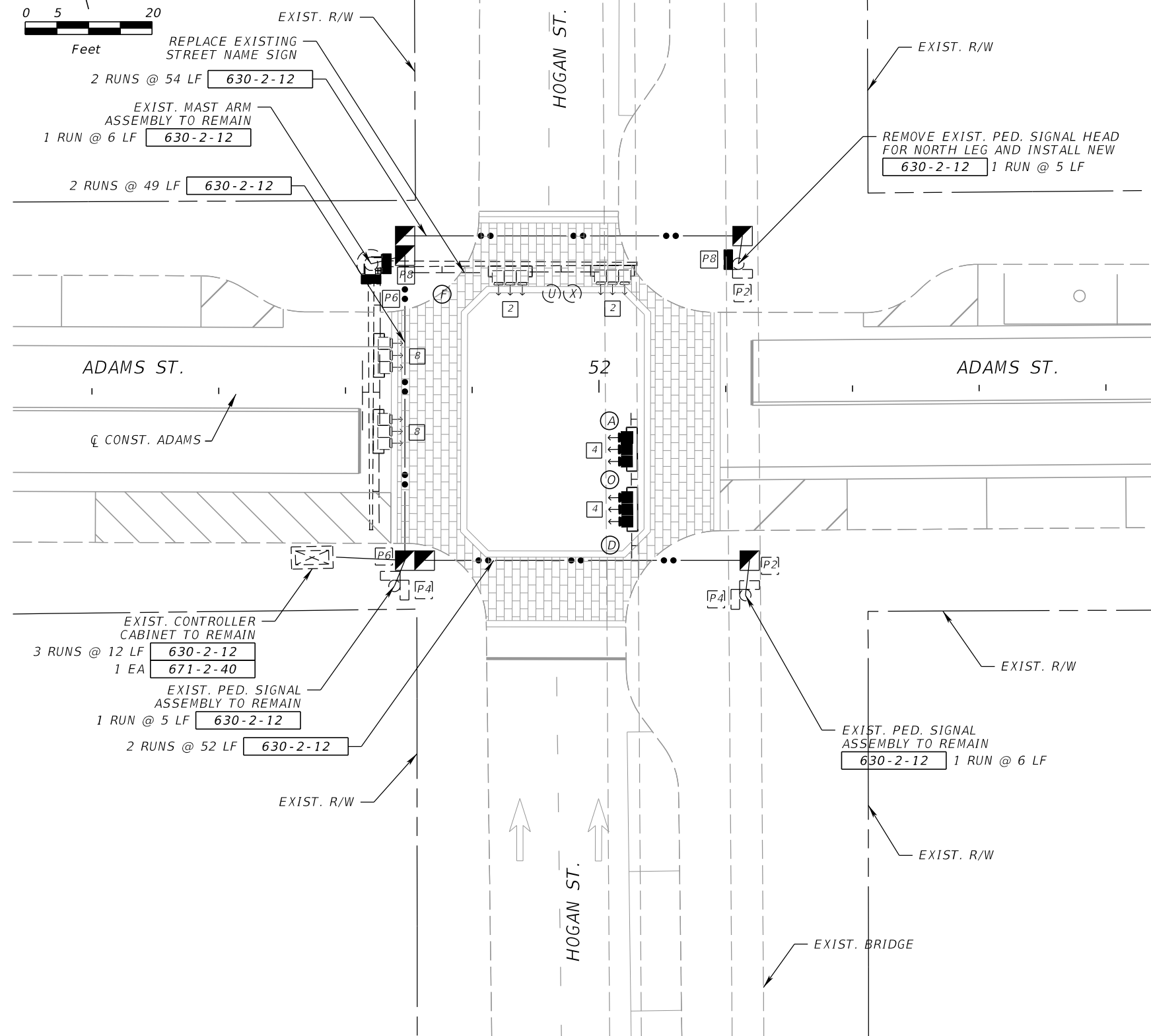
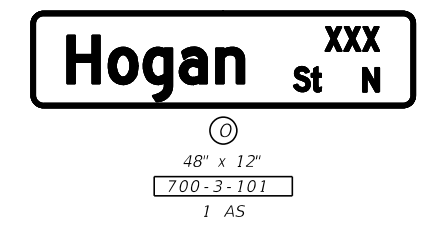
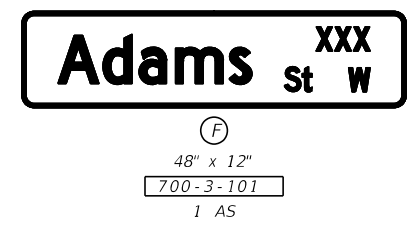
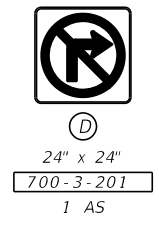
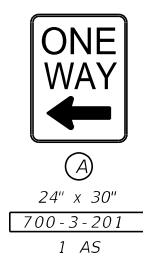
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

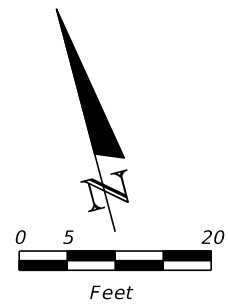
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CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

SIGNALIZATION PLAN

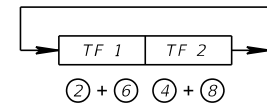
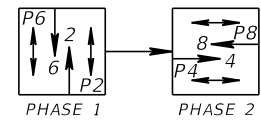
SHEET NO.
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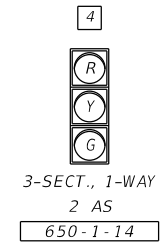
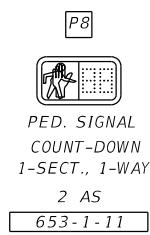


REMOVAL ITEMS:
653-1-60 2 AS

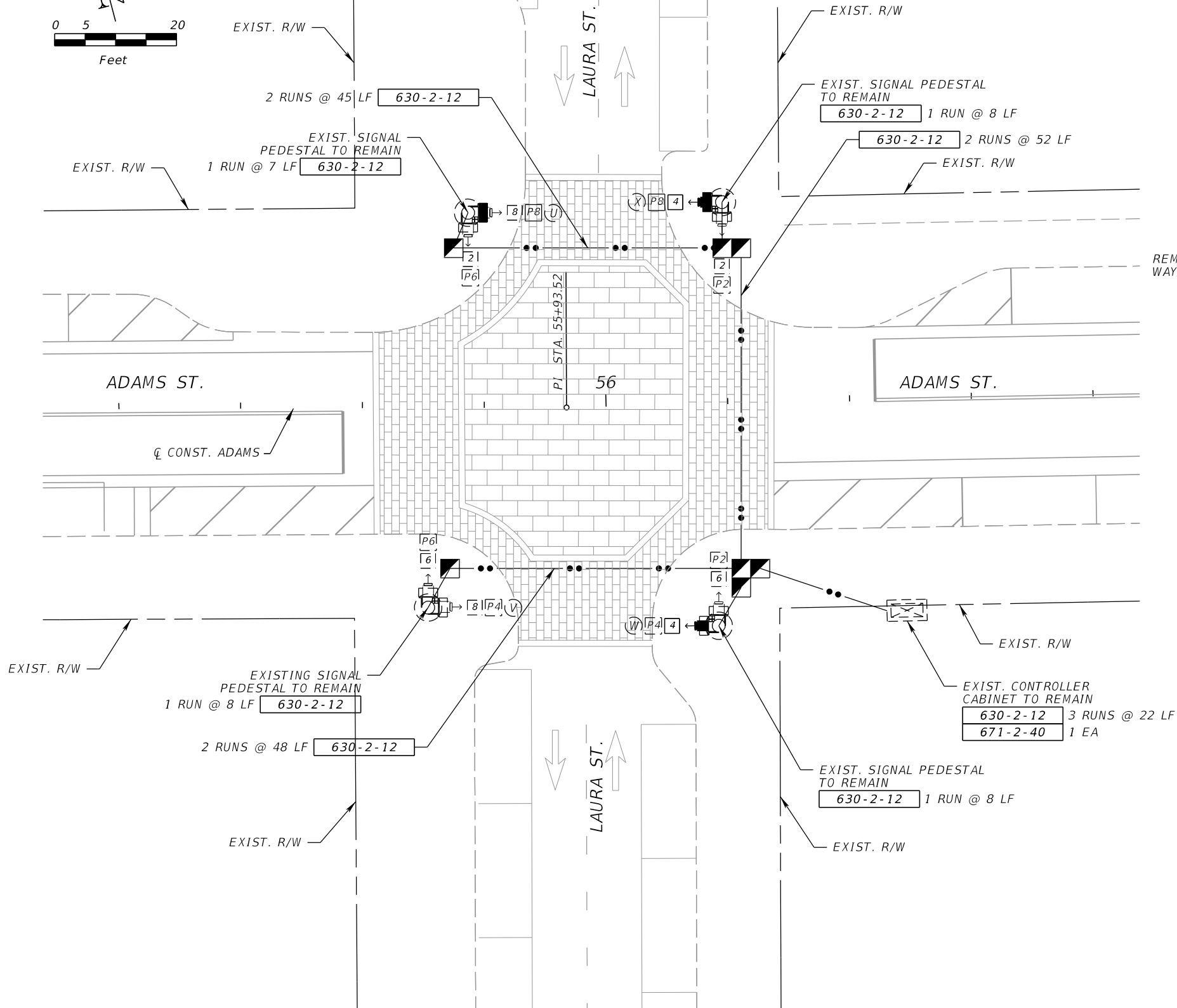
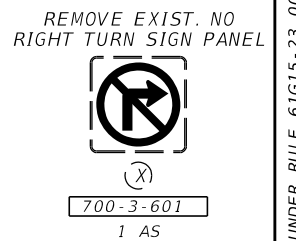
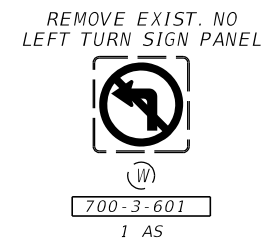
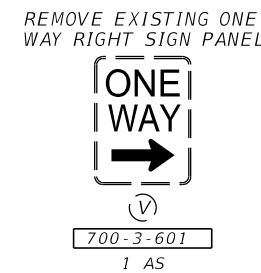
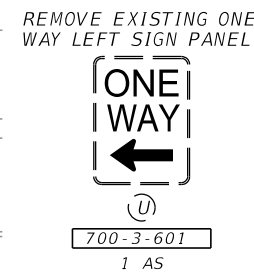
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

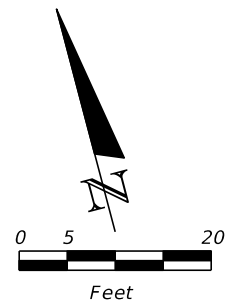
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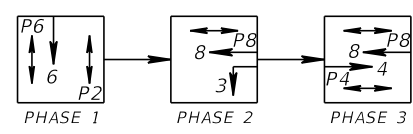
SIGNALIZATION PLAN

SHEET NO.
98

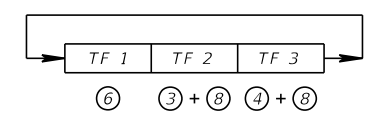
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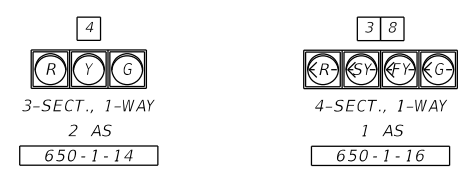
REMOVAL ITEMS:
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 700-3-501 4 AS
 700-3-601 1 AS



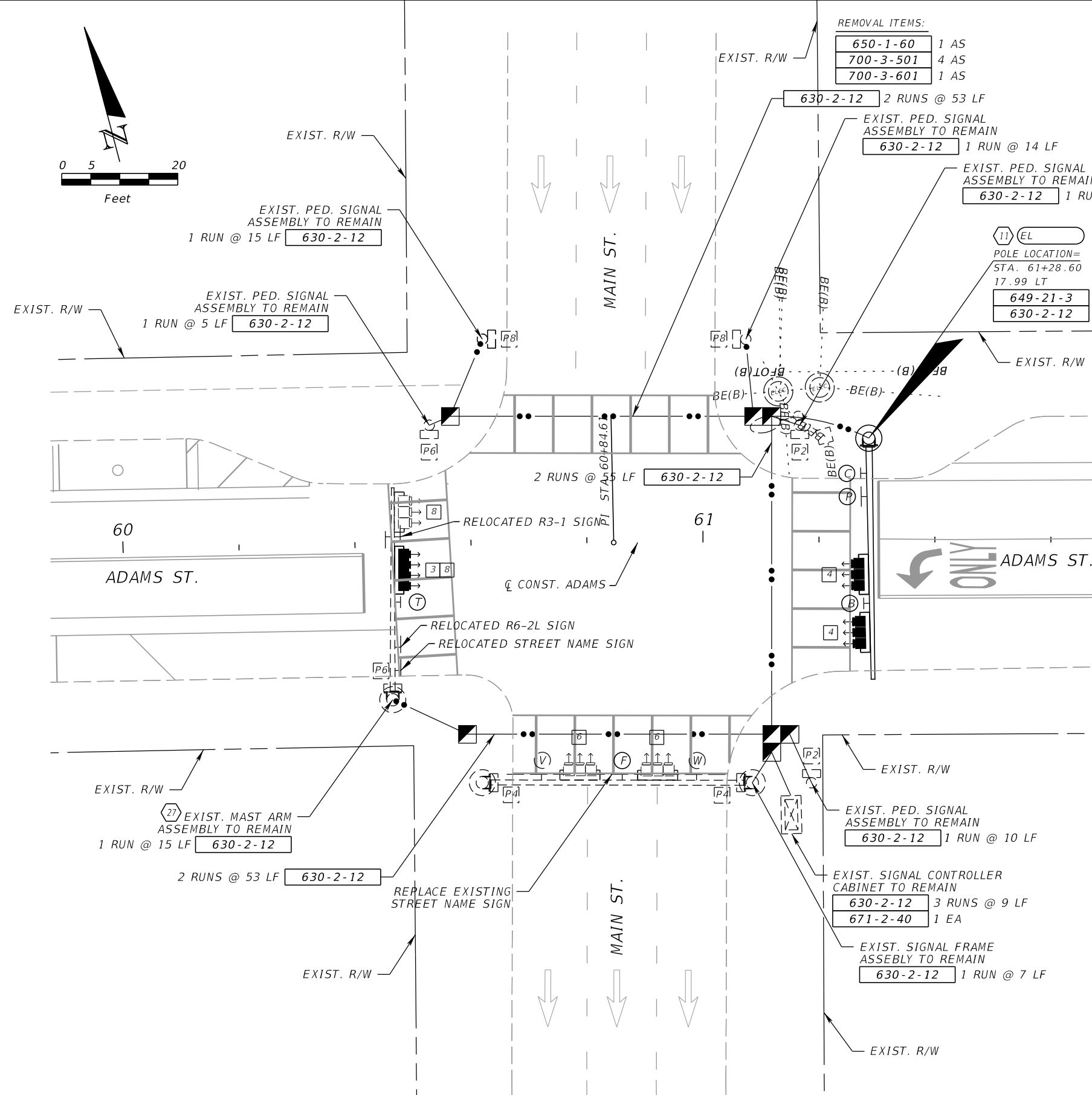
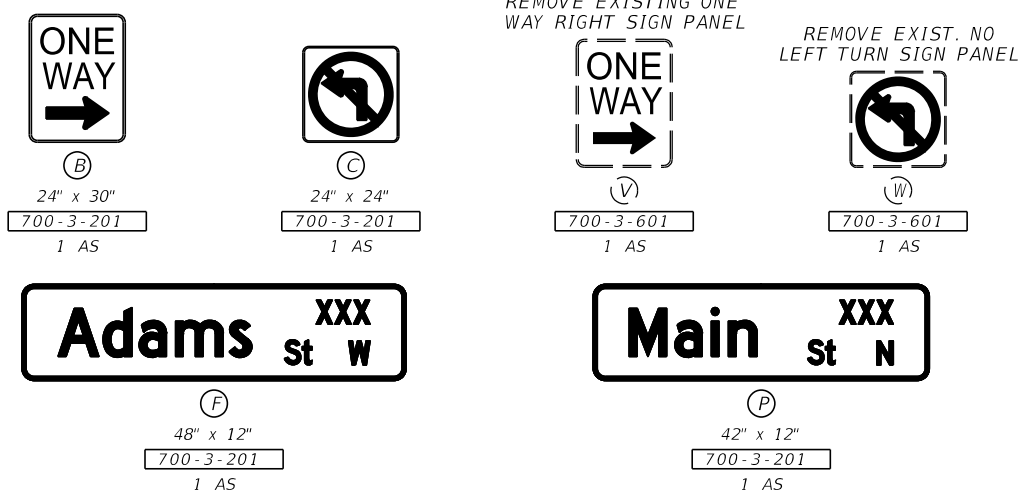
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

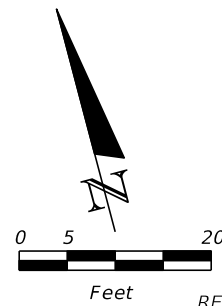
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SIGNALIZATION PLAN

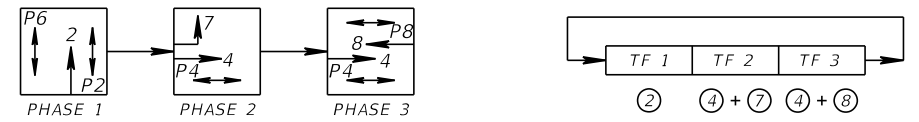
SHEET NO.
 99

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REMOVAL ITEMS:
 700-3-501 4 AS
 700-3-601 1 AS

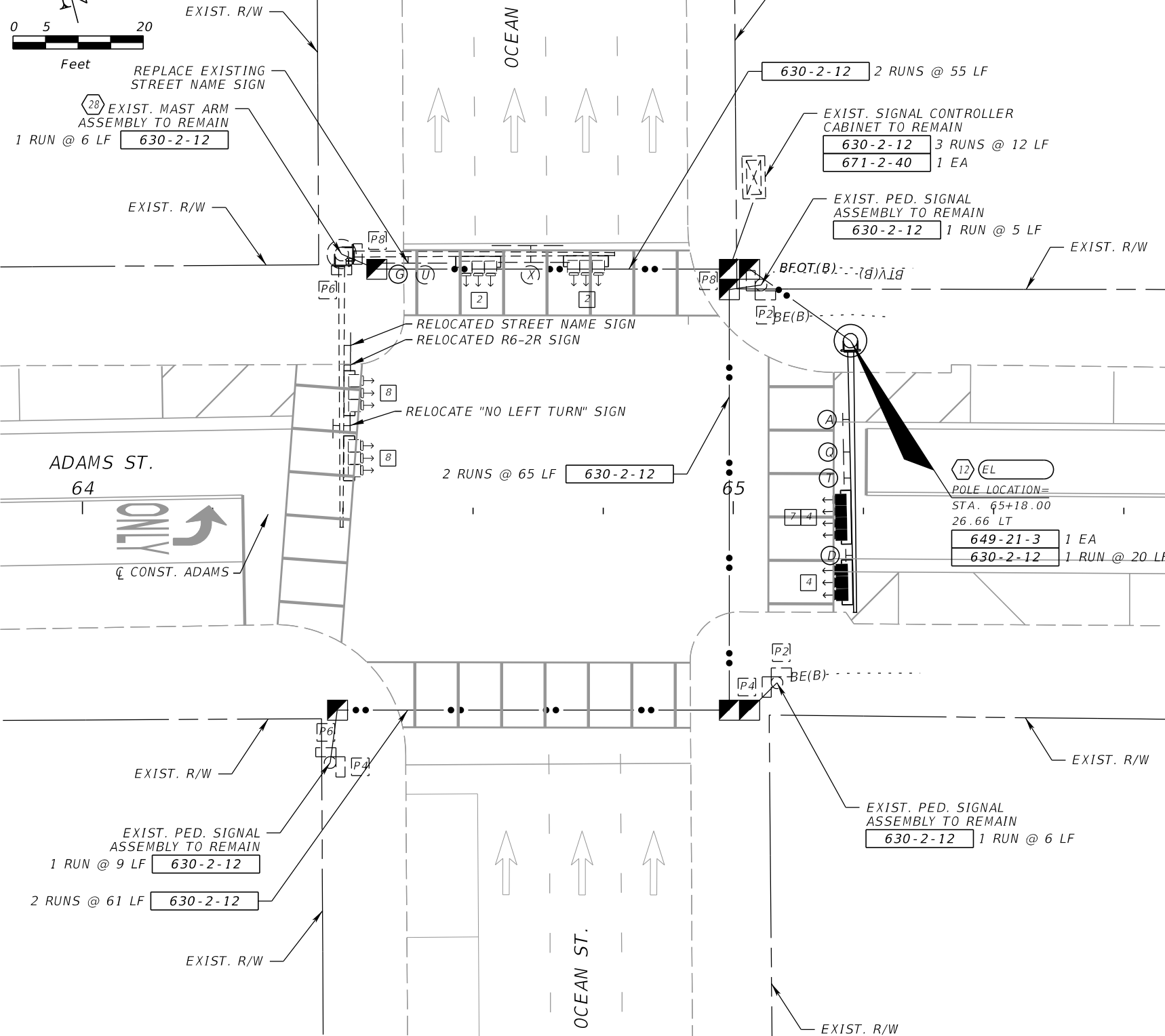
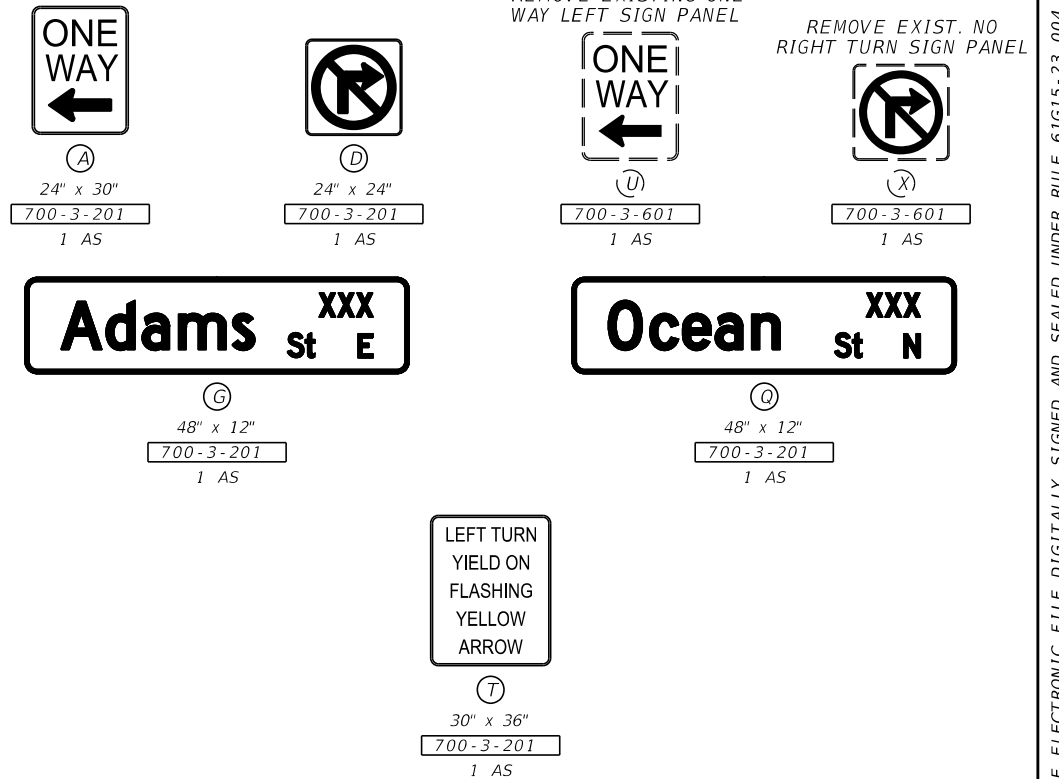
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



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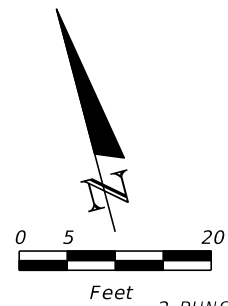
CITY OF JACKSONVILLE
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SIGNALIZATION PLAN

SHEET NO.

100

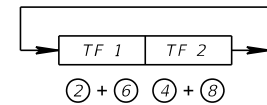
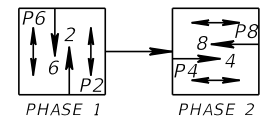
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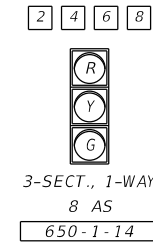
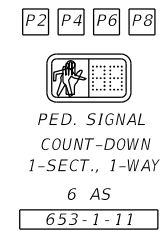
REMOVAL ITEMS:

646-1-60	1 EA
649-26-7	3 EA
653-1-60	4 AS

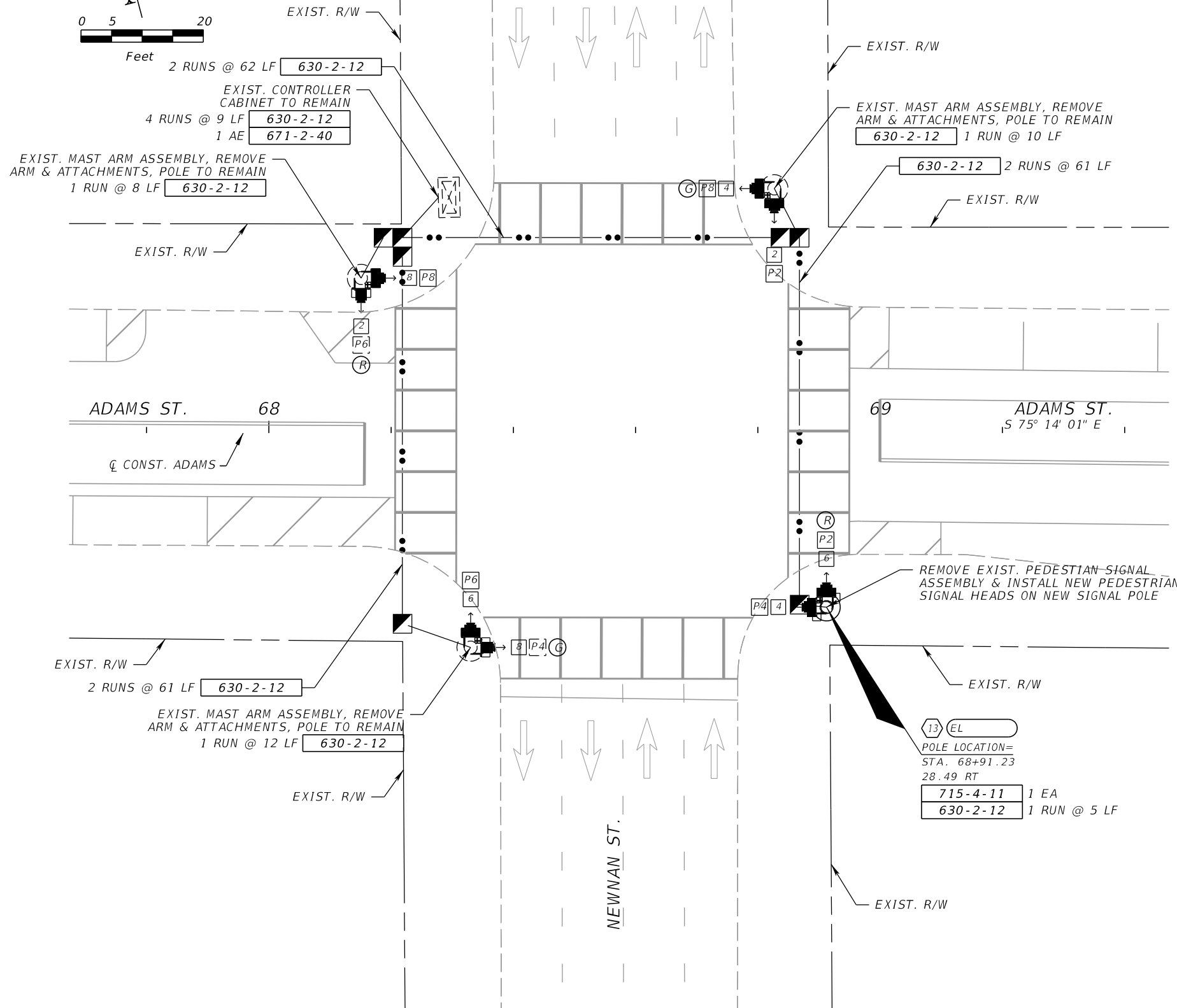
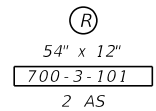
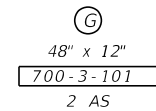
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



13 EL
POLE LOCATION =
STA. 68+91.23
28.49 RT
715-4-11 1 EA
630-2-12 1 RUN @ 5 LF

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SIGNALIZATION PLAN

SHEET NO.
101

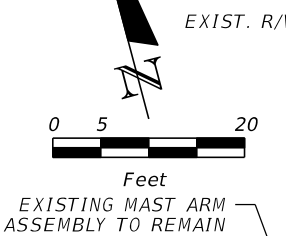
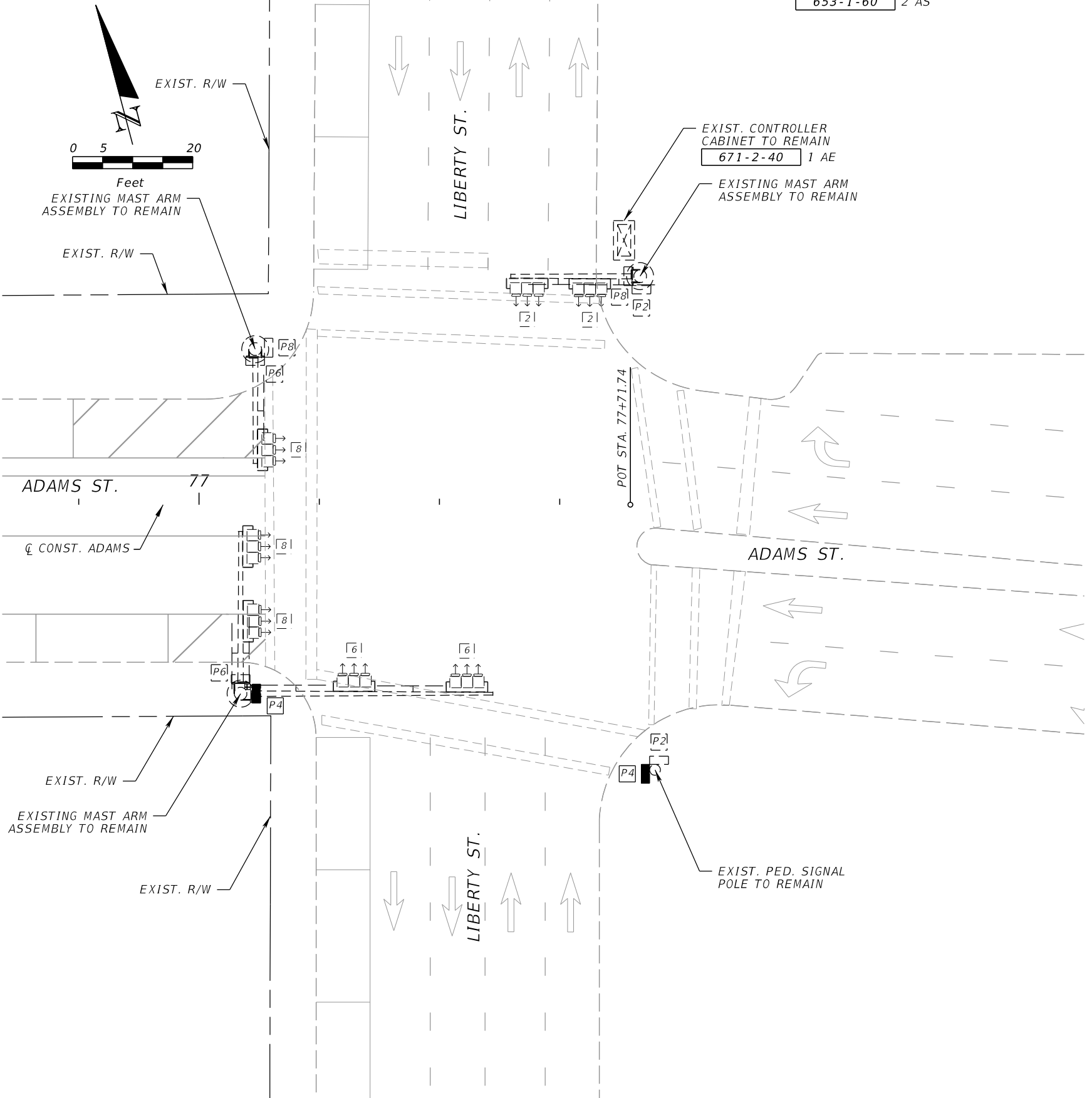
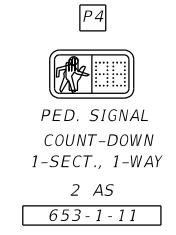
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REMOVAL ITEMS:
 653-1-60 2 AS

SPECIAL S.O.P.



SIGNAL DETAILS



GENERAL NOTES

1. REPLACE EXISTING SOUTH LEG PEDESTRIAN SIGNAL HEADS WITH LED COUNTDOWN INCLUDING ALL RELATED ATTACHMENTS.
2. ALL OTHER SIGNAL EQUIPMENT TO REMAIN AS IS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

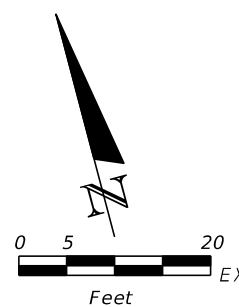
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SIGNALIZATION PLAN

SHEET NO.
 103

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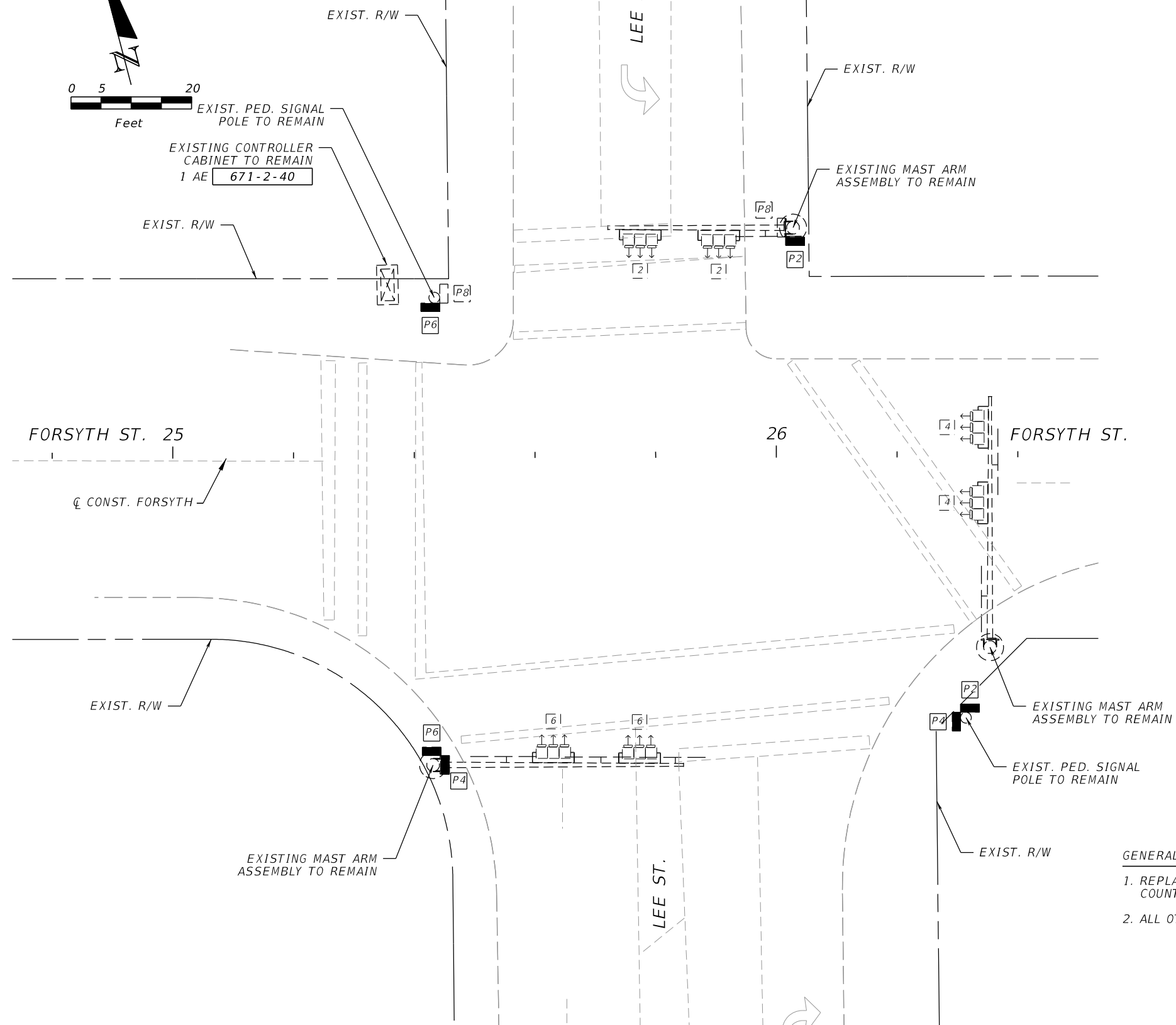
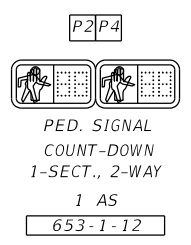
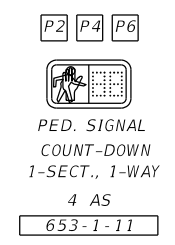


REMOVAL ITEMS:
653-1-60 6 AS

SPECIAL S.O.P.



SIGNAL DETAILS



GENERAL NOTES

1. REPLACE ALL EXISTING PEDESTRIAN SIGNAL HEADS, EXCEPT FOR NORTH LEG, WITH LED COUNTDOWN INCLUDING ALL RELATED ATTACHMENTS.
2. ALL OTHER SIGNAL EQUIPMENT TO REMAIN AS IS.

REVISIONS			
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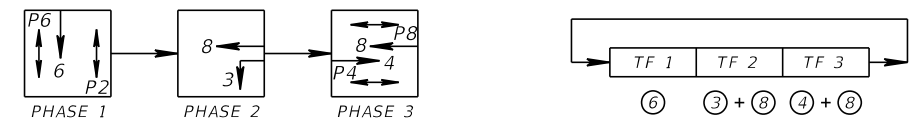
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PUBLIC WORKS DEPARTMENT

SIGNALIZATION PLAN

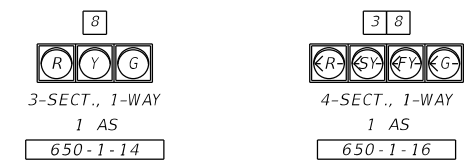
SHEET NO.
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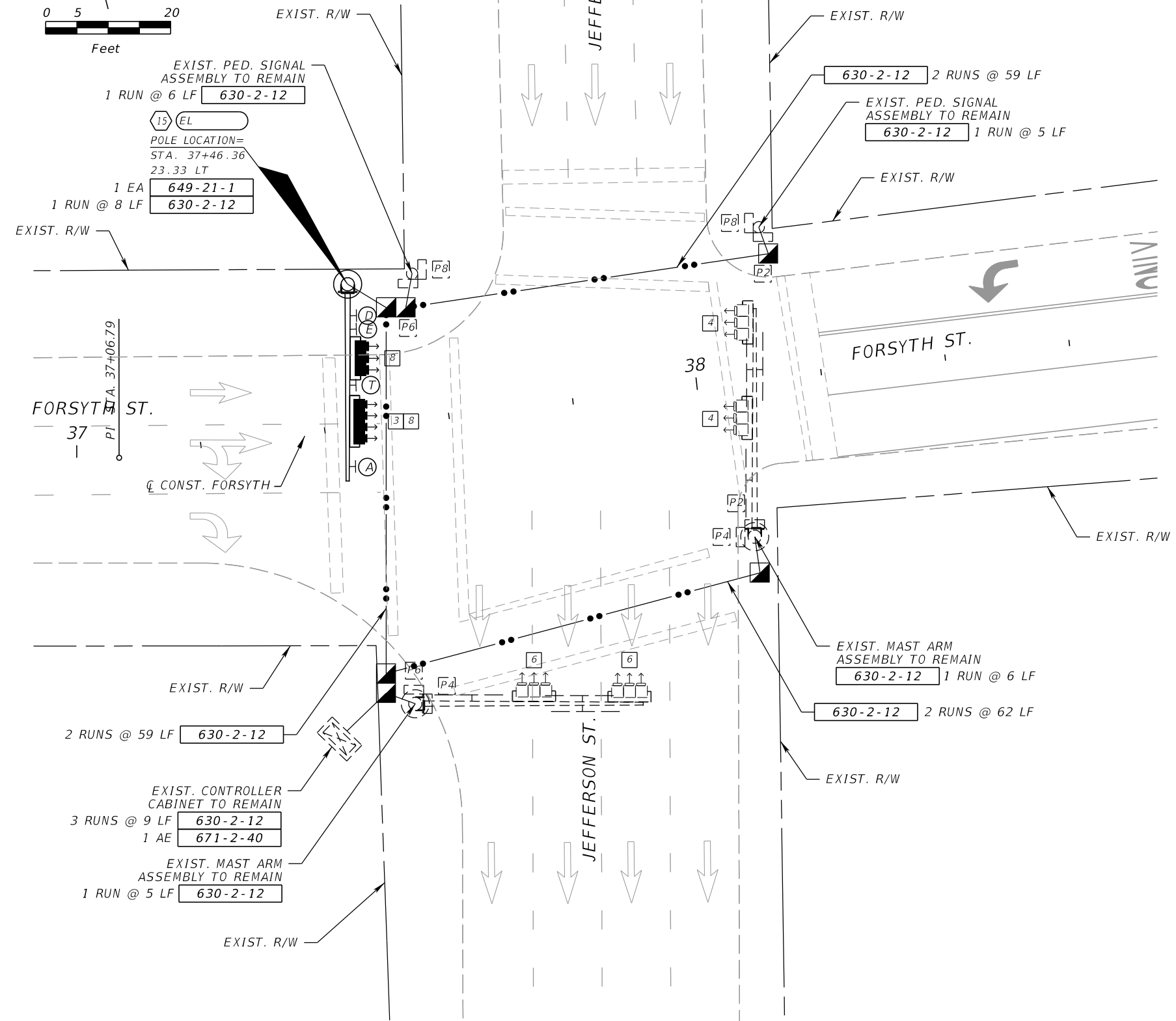
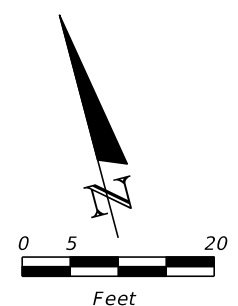
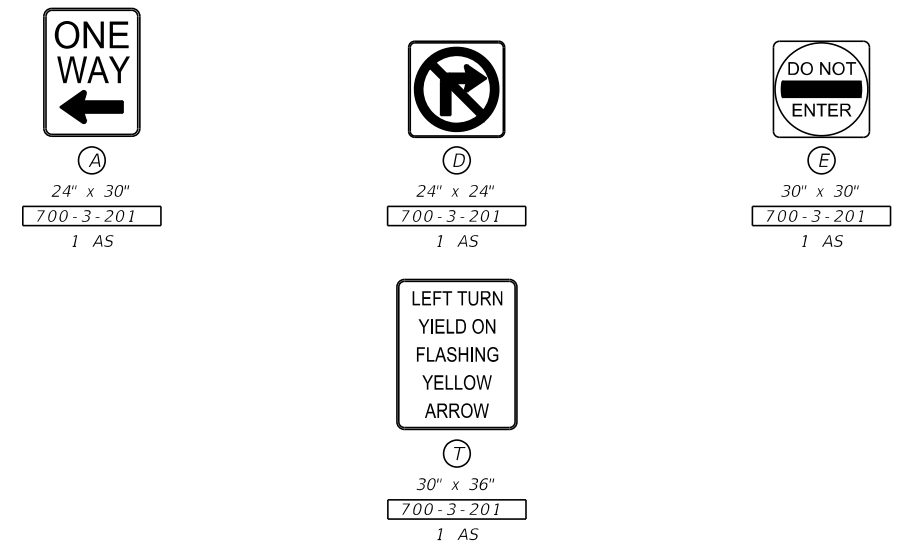
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

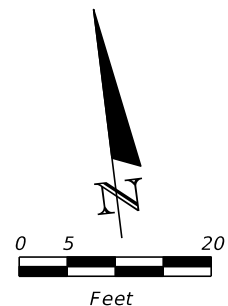
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SIGNALIZATION PLAN

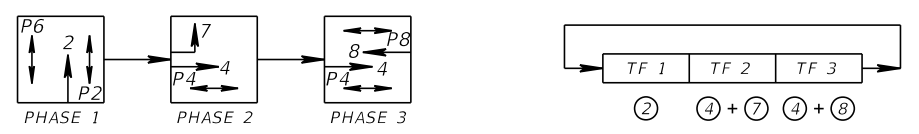
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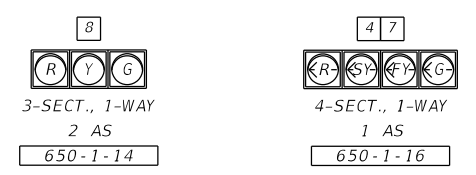


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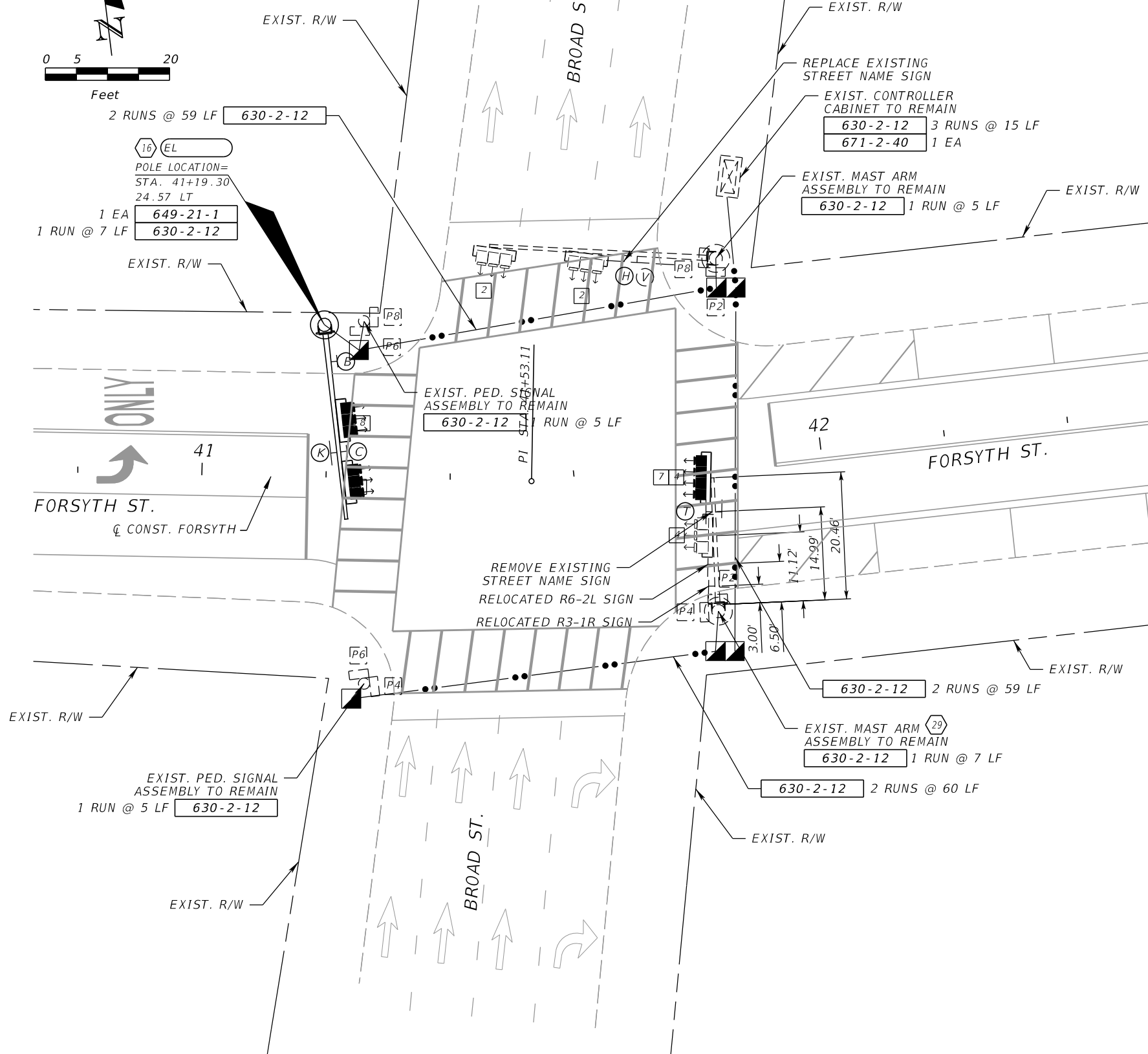
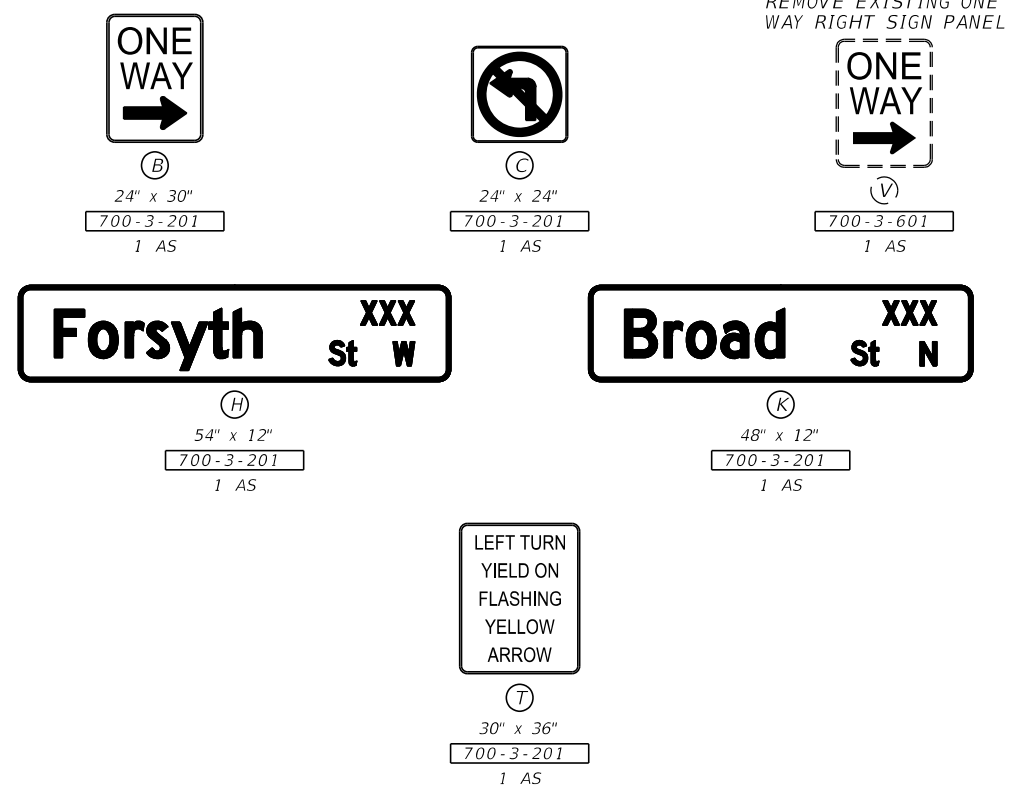
650-1-60	1 AS
700-3-501	3 AS
700-3-601	2 AS



SIGNAL DETAILS



SIGN DETAILS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

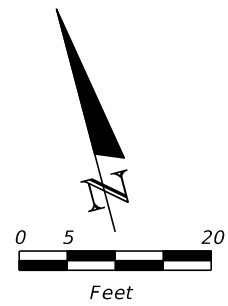
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SIGNALIZATION PLAN

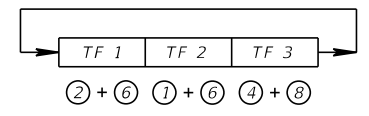
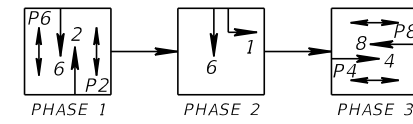
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106

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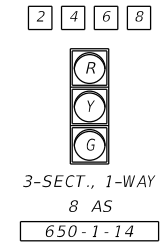
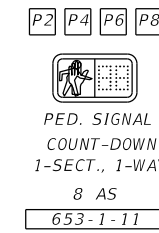


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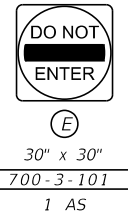
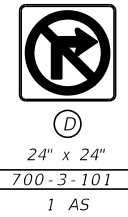
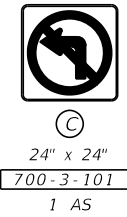
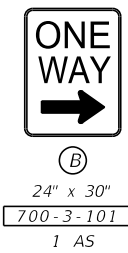
646-1-60	1 EA
649-26-5	1 EA
649-26-7	2 EA
653-1-60	4 AS
715-4-70	1 EA



SIGNAL DETAILS



SIGN DETAILS



EXIST. R/W
2 RUNS @ 70 LF 630-2-12
POLE LOCATION= STA. 49+01.99 35.15 LT
1 EA 715-4-11
1 RUN @ 17 LF 630-2-12

REMOVE EXIST. PEDESTIAN SIGNAL ASSEMBLY & INSTALL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE

EXIST. R/W
2 P6
D
M

EXIST. CONTROLLER CABINET TO REMAIN
630-2-12 1 RUN @ 6 LF
671-2-40 1 EA
EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
630-2-12 1 RUN @ 11 LF

EXIST. R/W
630-2-12 2 RUNS @ 58 LF
50
FORSYTH ST.

REMOVE EXIST. LIGHTING POLE & INSTALL NEW PED. SIGNAL HEADS & NEW LUMINAIRE ON NEW SIGNAL POLE

EXIST. R/W
POLE LOCATION= STA. 48+85.64 30.66 RT
1 EA 715-4-11
1 EA 715-5-32
1 RUN @ 7 LF 630-2-12

EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
630-2-12 1 RUN @ 16 LF

630-2-12 2 RUNS @ 67 LF

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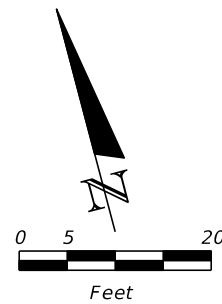


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SIGNALIZATION PLAN

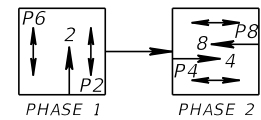
SHEET NO.

108

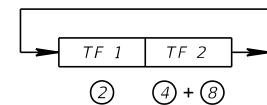


20 EL
POLE LOCATION=
STA. 52+79.19
35.01 LT
1 EA 715-4-11
1 RUN @ 11 LF 630-2-12

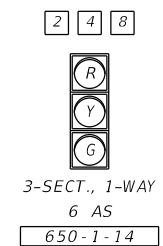
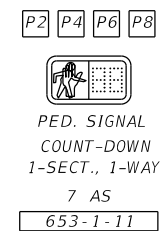
REMOVAL ITEMS:
646-1-60 2 EA
649-26-7 1 EA
653-1-60 1 AS
715-4-70 1 EA



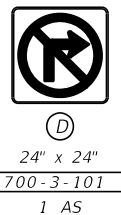
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



REMOVE EXIST. PEDESTIAN SIGNAL ASSEMBLY & INSTALL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE

CONST. FORSYTH

REMOVE EXISTING LIGHTING POLE & INSTALL NEW PED. SIGNAL HEADS & NEW LUMINAIRE ON NEW SIGNAL POLE

REMOVE EXIST. PEDESTIAN SIGNAL ASSEMBLY & INSTALL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE

22 EL
POLE LOCATION=
STA. 52+77.59
37.55 RT
1 EA 715-4-11
1 EA 715-5-32
1 RUN @ 6 LF 630-2-12
2 RUNS @ 58 LF 630-2-12

21 EL
POLE LOCATION=
STA. 53+41.97
35.06 RT
1 EA 715-4-11
1 RUN @ 5 LF 630-2-12

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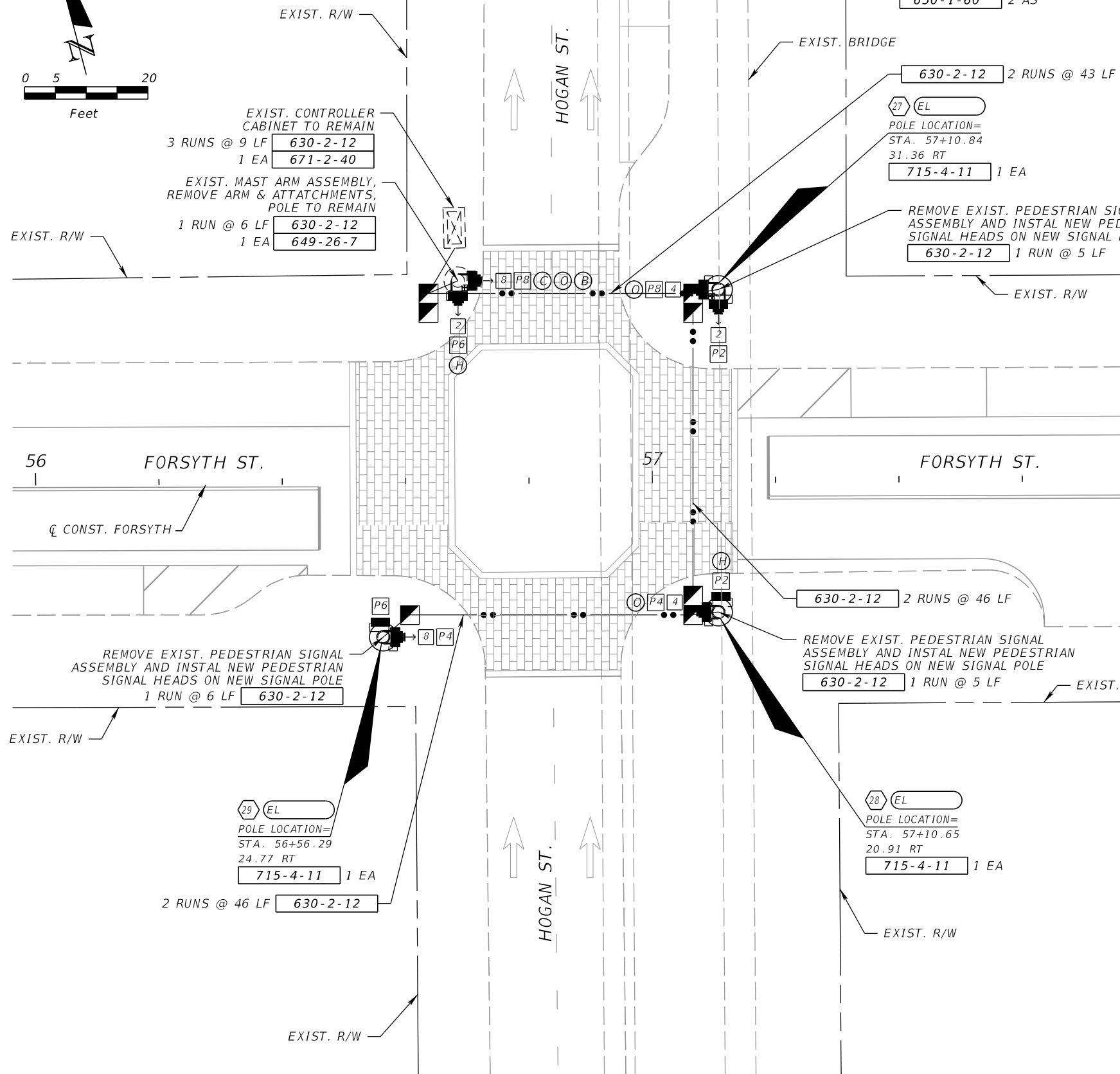
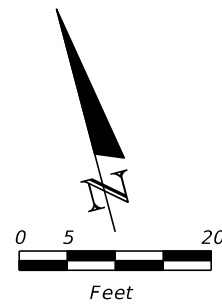


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SIGNALIZATION PLAN

SHEET NO.

109

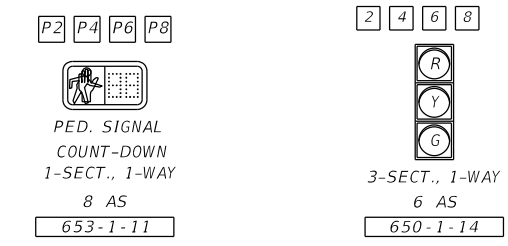


- REMOVAL ITEMS:
- 653-1-60 2 AS
 - 646-1-60 3 EA
 - 649-26-7 1 EA
 - 650-1-60 2 AS

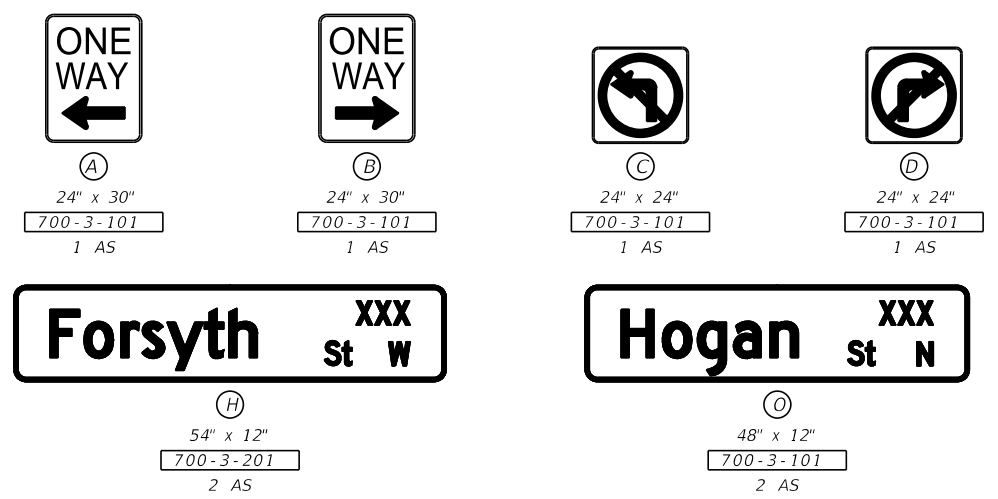
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



EXIST. CONTROLLER CABINET TO REMAIN
3 RUNS @ 9 LF 630-2-12
1 EA 671-2-40

EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
1 RUN @ 6 LF 630-2-12
1 EA 649-26-7

630-2-12 2 RUNS @ 43 LF

27 EL
POLE LOCATION=
STA. 57+10.84
31.36 RT
715-4-11 1 EA

REMOVE EXIST. PEDESTRIAN SIGNAL ASSEMBLY AND INSTAL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE
630-2-12 1 RUN @ 5 LF

REMOVE EXIST. PEDESTRIAN SIGNAL ASSEMBLY AND INSTAL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE
1 RUN @ 6 LF 630-2-12

630-2-12 2 RUNS @ 46 LF

REMOVE EXIST. PEDESTRIAN SIGNAL ASSEMBLY AND INSTAL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE
630-2-12 1 RUN @ 5 LF

29 EL
POLE LOCATION=
STA. 56+56.29
24.77 RT
715-4-11 1 EA

2 RUNS @ 46 LF 630-2-12

28 EL
POLE LOCATION=
STA. 57+10.65
20.91 RT
715-4-11 1 EA

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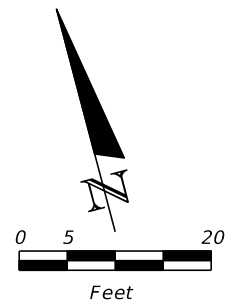


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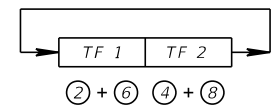
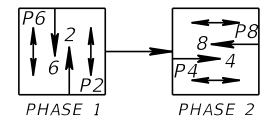
SIGNALIZATION PLAN

SHEET NO.
110

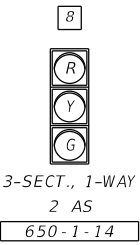
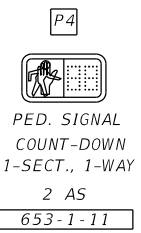
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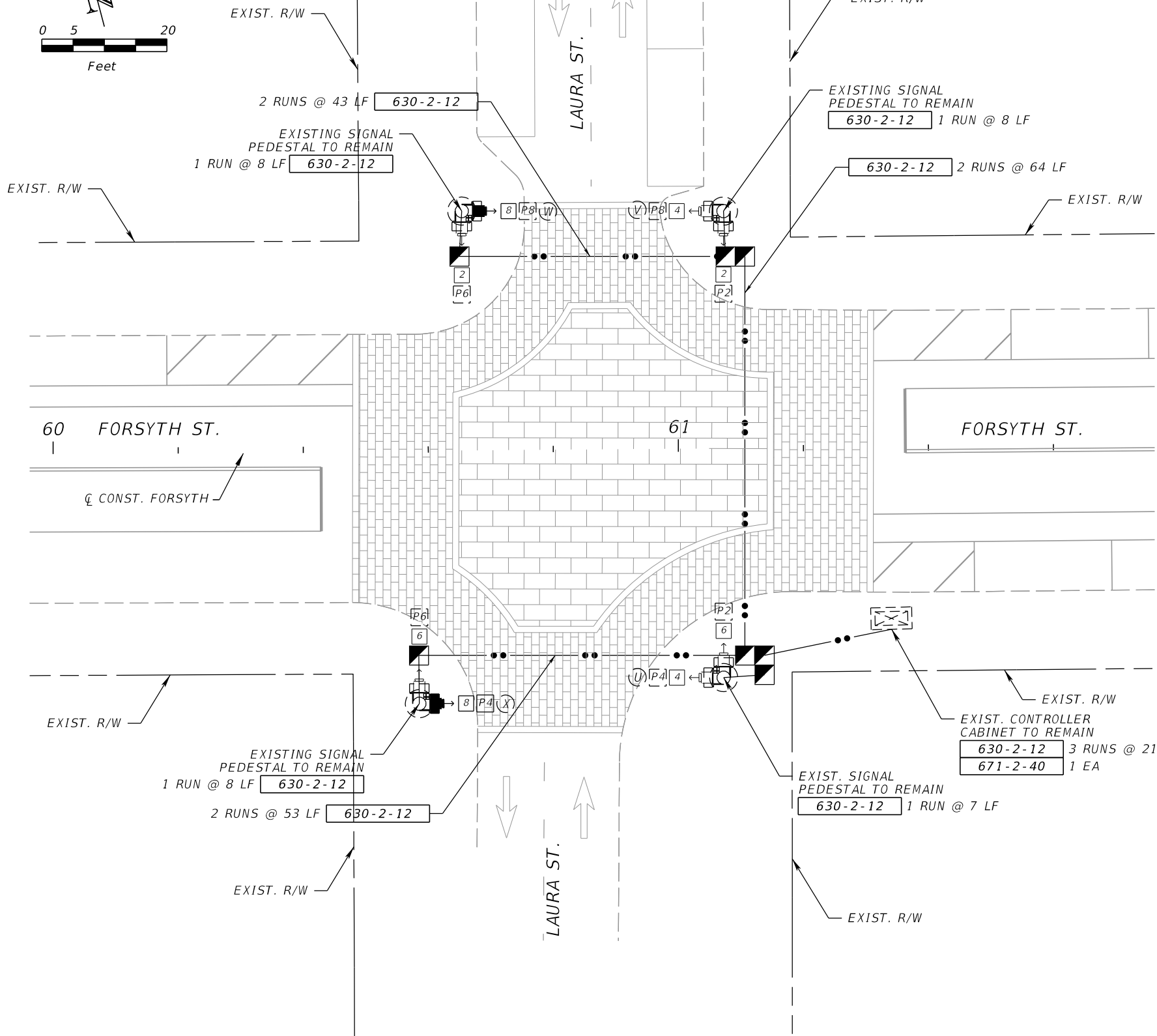
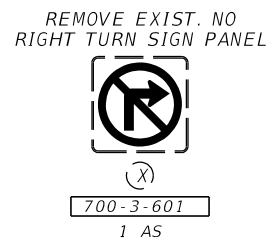
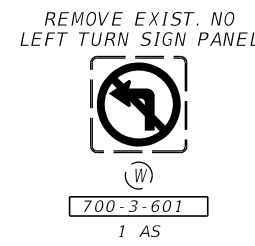
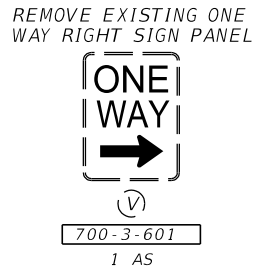
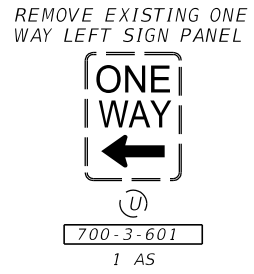
REMOVAL ITEMS:
 653-1-60 1 AS



SIGNAL DETAILS



SIGN DETAILS



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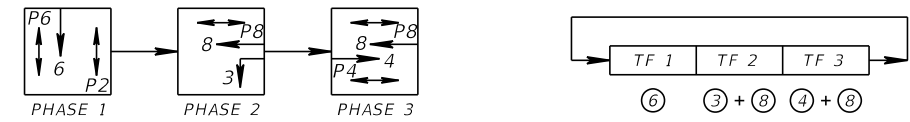
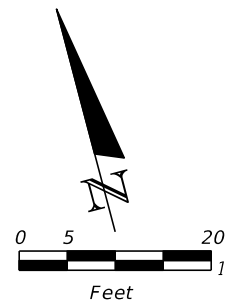
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SIGNALIZATION PLAN

SHEET NO.
 111

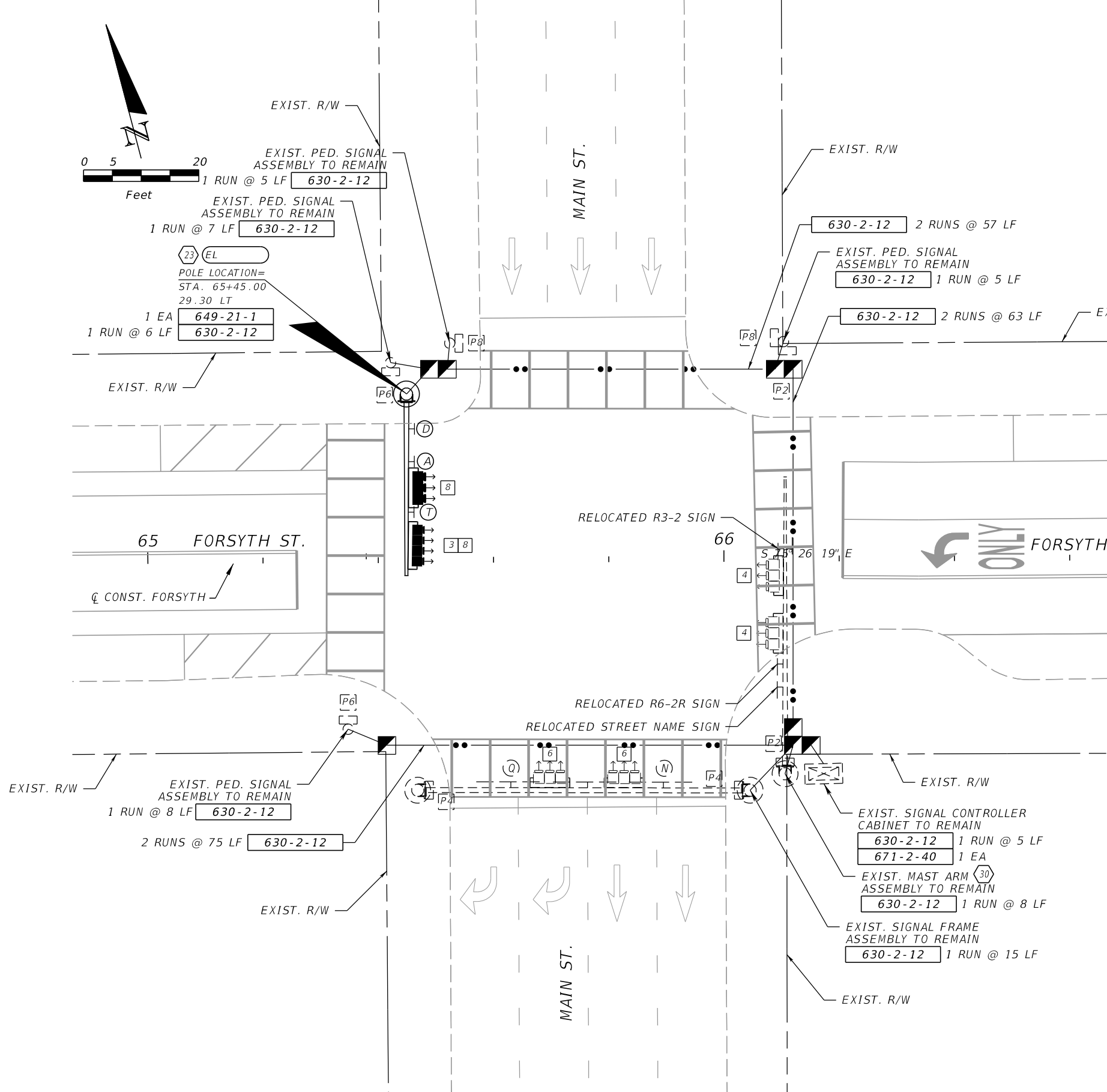
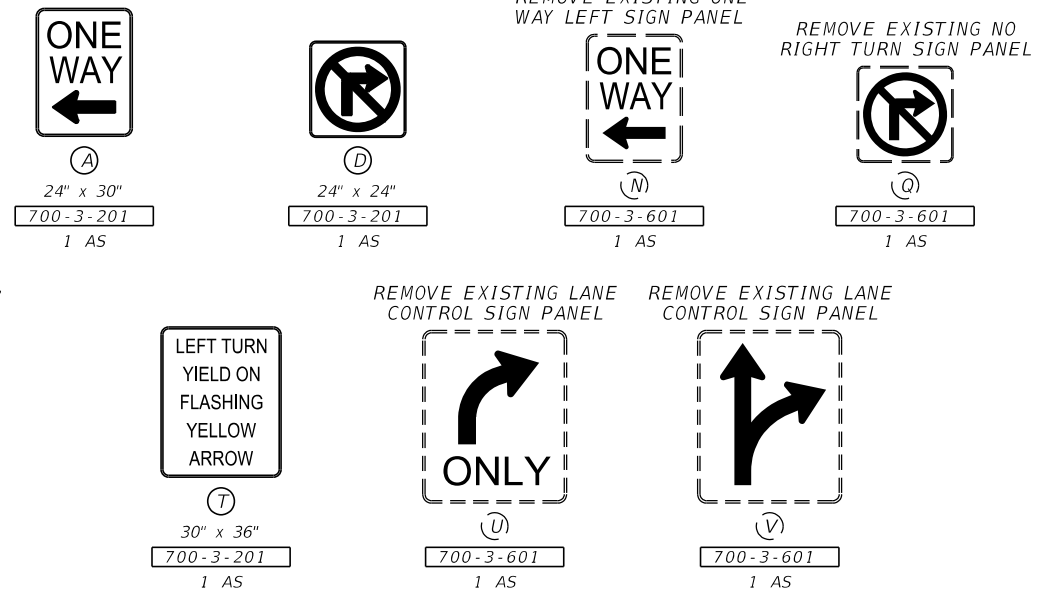
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SIGNAL DETAILS



SIGN DETAILS



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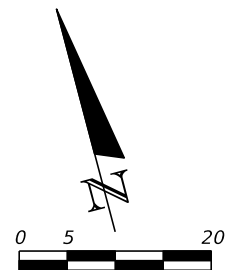


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SIGNALIZATION PLAN

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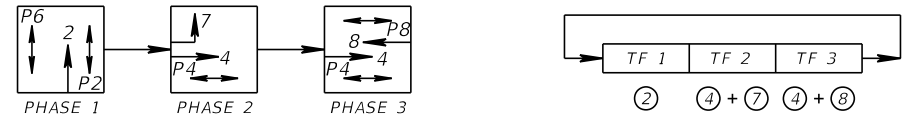
112



Feet
 0 5 20
 EXIST. PED. SIGNAL ASSEMBLY TO REMAIN
 1 RUN @ 5 LF 630-2-12

REMOVAL ITEMS:
 650-1-60 1 AS
 700-3-601 1 AS

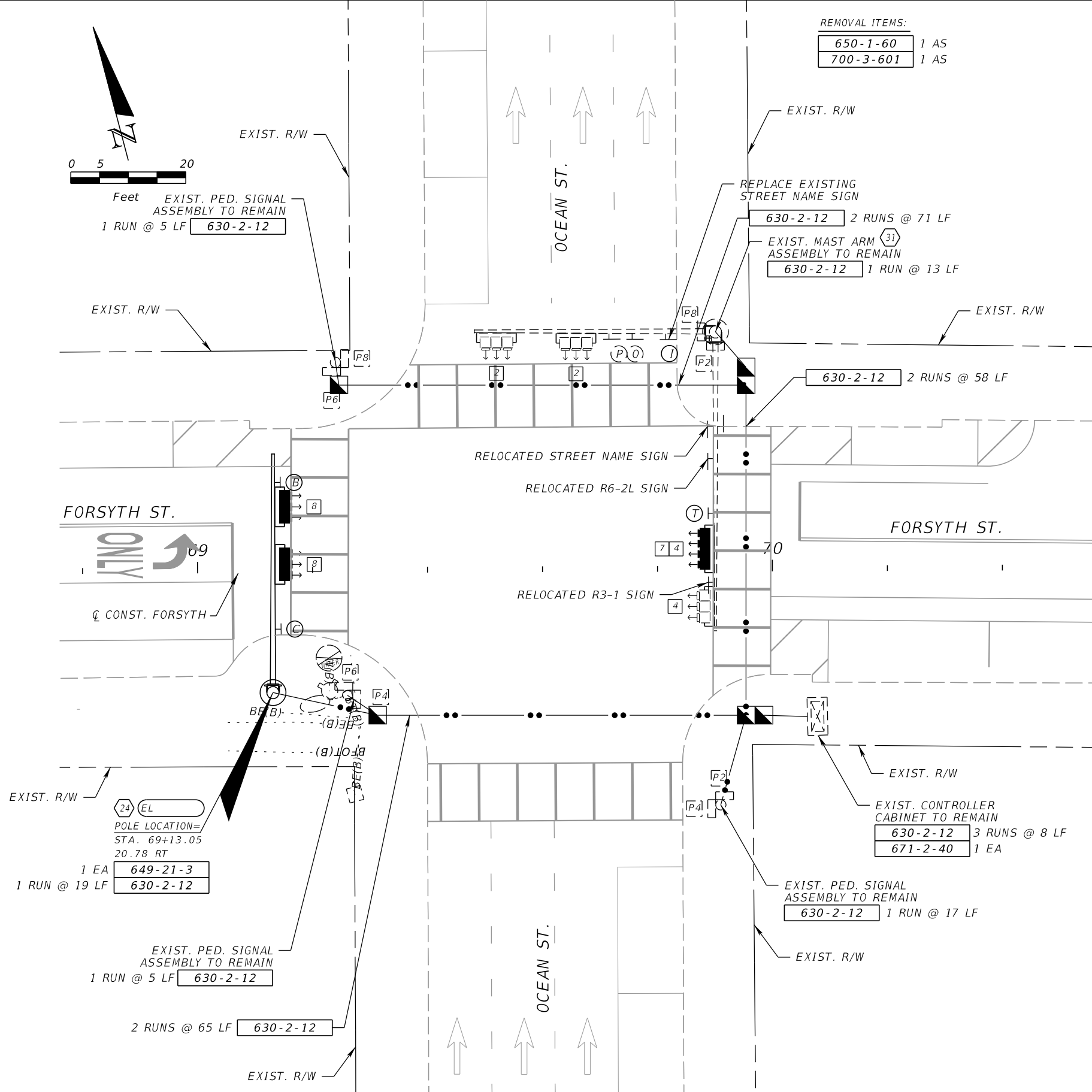
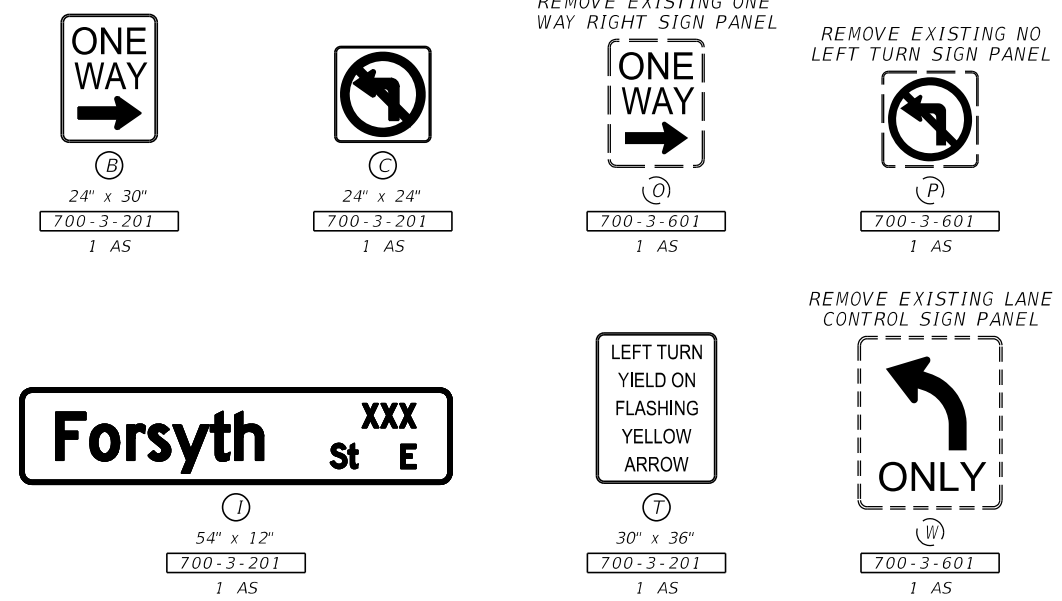
SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



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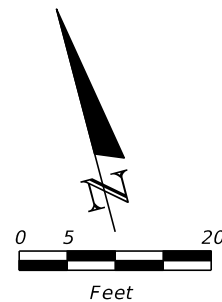


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SIGNALIZATION PLAN

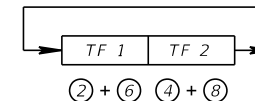
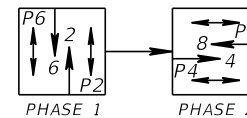
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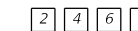
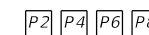


REMOVAL ITEMS:

646-1-60	1 EA
649-26-7	3 EA
653-1-60	3 AS



SIGNAL DETAILS



PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
5 AS
653-1-11

3-SECT., 1-WAY
8 AS
650-1-14

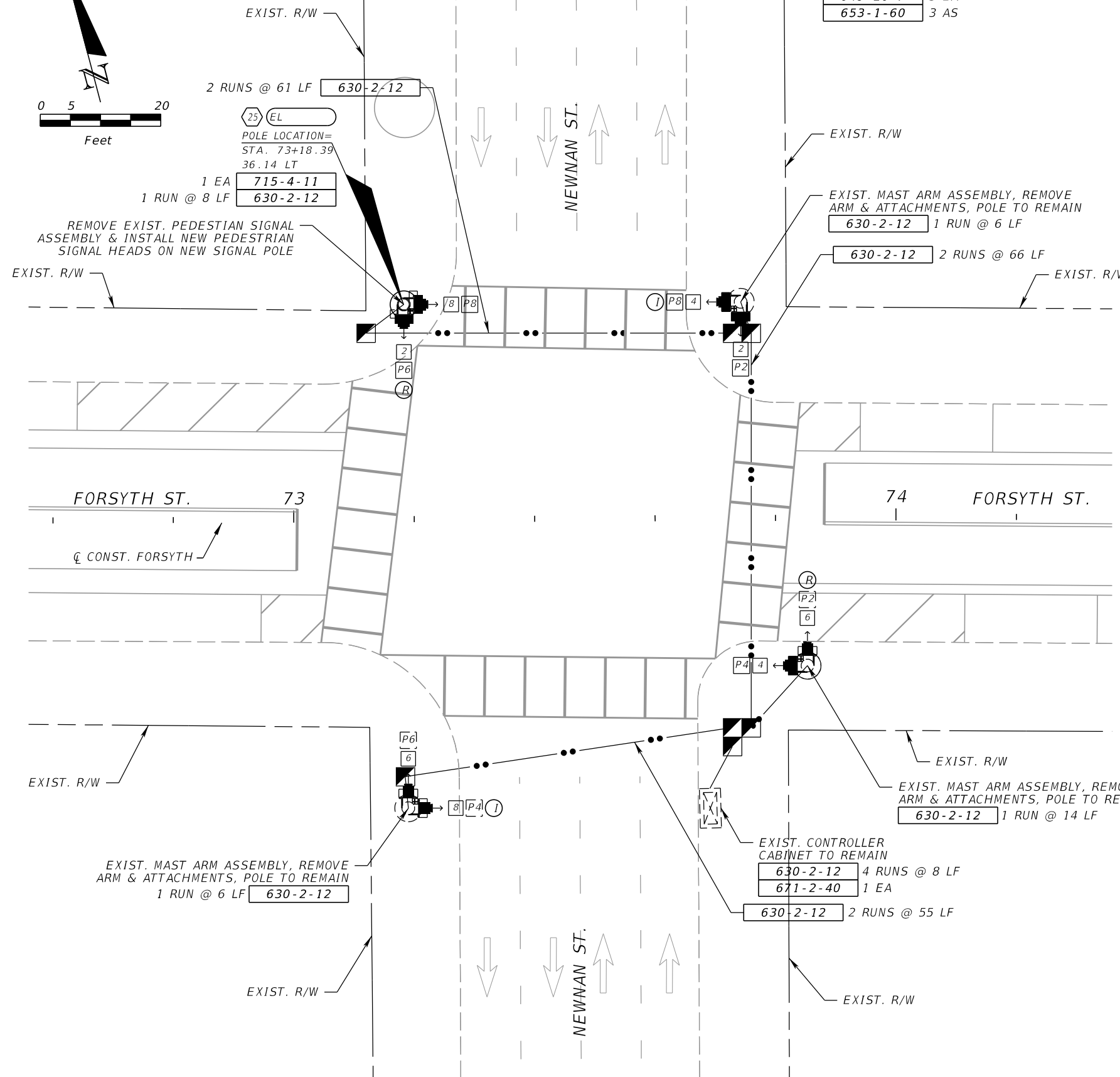
SIGN DETAILS



①
54" x 12"
700-3-101
2 AS




②
54" x 12"
700-3-101
2 AS



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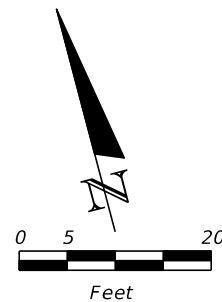


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SIGNALIZATION PLAN

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114

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EXIST. R/W

26 EL

POLE LOCATION =
STA. 77+10.88
32.61 LT

1 EA 649-21-1
1 RUN @ 6 LF 630-2-12

REMOVE EXIST. PEDESTRIAN SIGNAL ASSEMBLY & INSTALL NEW PEDESTRIAN SIGNAL HEADS ON NEW SIGNAL POLE

EXIST. R/W

REMOVAL ITEMS:

646-1-60	1 EA
649-26-7	3 EA
653-1-60	2 AS

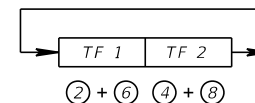
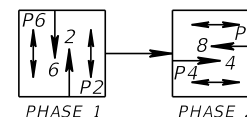
EXIST. R/W

EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
630-2-12 1 RUN @ 8 LF

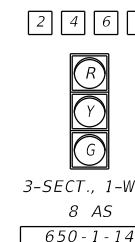
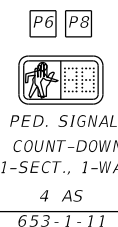
630-2-12 2 RUNS @ 63 LF

EXIST. R/W

SPECIAL S.O.P.



SIGNAL DETAILS



SIGN DETAILS



①
54" x 12"
700-3-101
2 AS

⑤
48" x 12"
700-3-101
2 AS

FORSYTH ST.

77

78

FORSYTH ST.

CONST. FORSYTH

2 RUNS @ 65 LF

630-2-12

EXIST. R/W

EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
1 RUN @ 9 LF 630-2-12

EXIST. CONTROLLER CABINET TO REMAIN
4 RUNS @ 17 LF 630-2-12
1 EA 671-2-40

EXIST. R/W

EXIST. MAST ARM ASSEMBLY, REMOVE ARM & ATTACHMENTS, POLE TO REMAIN
630-2-12 1 RUN @ 13 LF

630-2-12 2 RUNS @ 62 LF

EXIST. R/W

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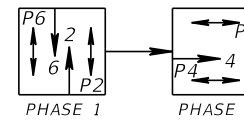
SIGNALIZATION PLAN

SHEET NO.

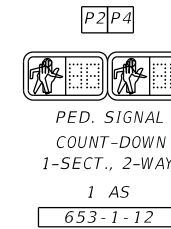
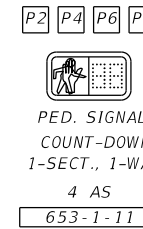
115

SPECIAL S.O.P.

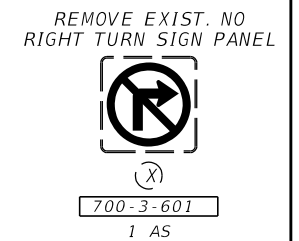
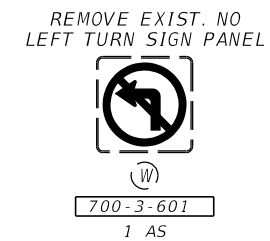
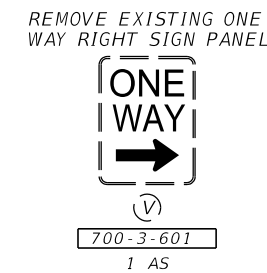
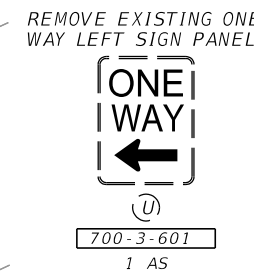
REMOVAL ITEMS:
653-1-60 6 AS



SIGNAL DETAILS

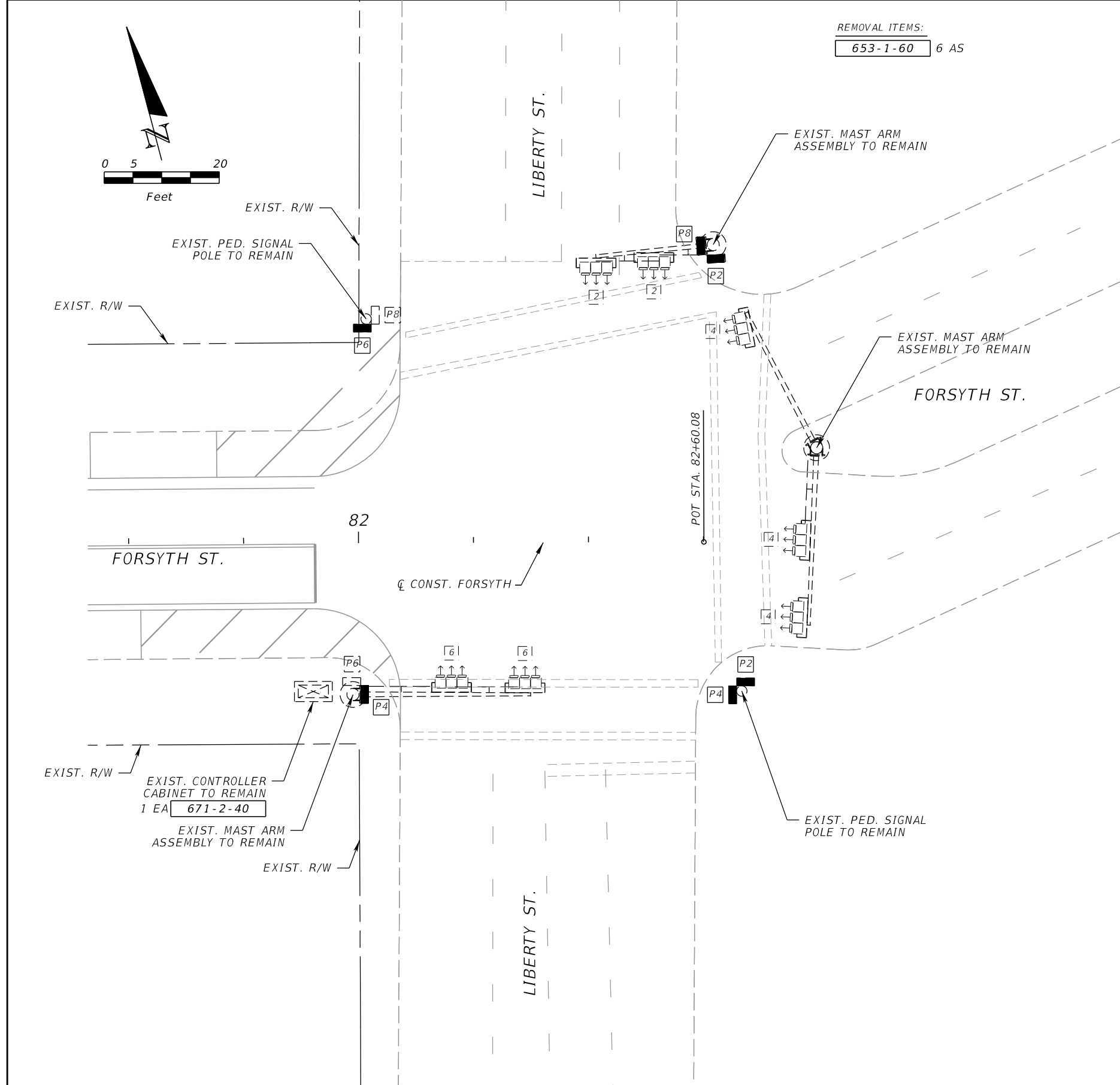


SIGN DETAILS



GENERAL NOTES

1. REPLACE ALL EXISTING PEDESTRIAN SIGNAL HEADS, EXCEPT ONE FOR WEST LEG AND ONE FOR NORTH LEG, WITH LED COUNTDOWN INCLUDING ALL RELATED ATTACHMENTS.
2. ALL OTHER SIGNAL EQUIPMENT TO REMAIN AS IS.



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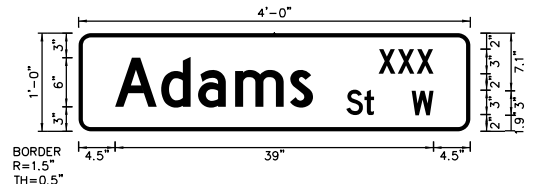
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SIGNALIZATION PLAN

SHEET NO.
116

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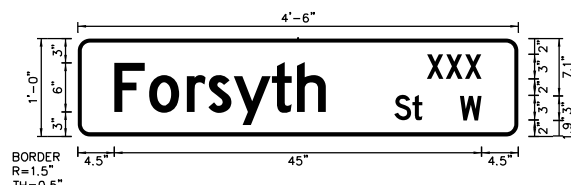
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PANEL	BORDER	none					
WIDTH	4'-0"	WIDTH	0.5"				
HEIGHT	1'-0"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH			



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	X	X	X	L				
SPACE	36.8	39.1	41.5	6.7				
COPY	A	d	o	m	s	L		
SPACE	4.5	10.1	14.6	19.2	25.9	24.2		
COPY	S	t	L					
SPACE	32.8	35	3.4					
COPY	w	L						
SPACE	40.8	2.7						
COPY								
SPACE								
COPY								
SPACE								

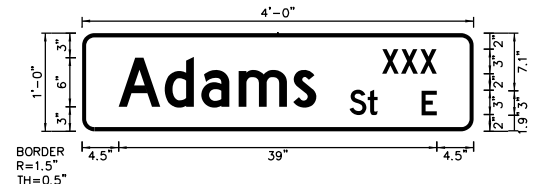
SIGN NAME	Forsyth W	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER	none					
WIDTH	4'-6"	WIDTH	0.5"				
HEIGHT	1'-0"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH			



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	X	X	X	L				
SPACE	42.8	45.1	47.5	6.7				
COPY	F	o	r	s	y	t	h	L
SPACE	4.5	8.7	13.4	16	19.1	23.8	26.9	25.9
COPY	S	t	L					
SPACE	38.8	41	3.4					
COPY	w	L						
SPACE	46.8	2.7						
COPY								
SPACE								
COPY								
SPACE								

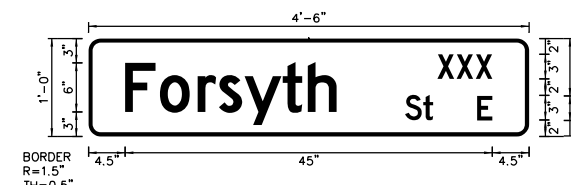
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PANEL	BORDER	none					
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HEIGHT	1'-0"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH			



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	X	X	X	L				
SPACE	36.8	39.1	41.5	6.7				
COPY	A	d	o	m	s	L		
SPACE	4.5	10.1	14.6	19.2	25.9	24.2		
COPY	S	t	L					
SPACE	32.8	35	3.4					
COPY	E	L						
SPACE	41.6	1.9						
COPY								
SPACE								
COPY								
SPACE								

SIGN NAME	Forsyth E	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER	none					
WIDTH	4'-6"	WIDTH	0.5"				
HEIGHT	1'-0"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH			




NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	X	X	X	L				
SPACE	42.8	45.1	47.5	6.7				
COPY	F	o	r	s	y	t	h	L
SPACE	4.5	8.7	13.4	16	19.1	23.8	26.9	25.9
COPY	S	t	L					
SPACE	38.8	41	3.4					
COPY	E	L						
SPACE	47.6	1.9						
COPY								
SPACE								
COPY								
SPACE								

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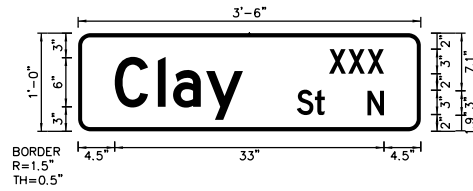
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GUIDE SIGN WORKSHEET

SHEET NO.
118

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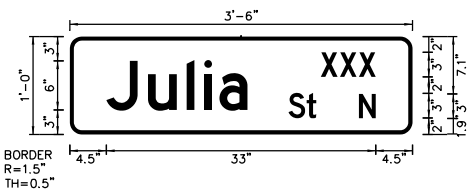
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HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L
SPACE	30.8	33.1	35.5	6.7
COPY	C	l	o	y
SPACE	4.5	9.8	11.6	15.7
COPY	S	t	L	
SPACE	26.8	29	3.4	
COPY	N	L		
SPACE	35.5	2		
COPY				
SPACE				
COPY				
SPACE				

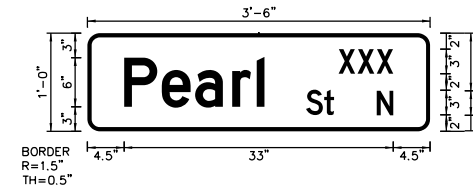
SIGN NAME	Julia N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	3'-6"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L
SPACE	30.8	33.1	35.5	6.7
COPY	J	u	l	i
SPACE	4.5	9.6	14.3	16.5
COPY	S	t	L	
SPACE	26.8	29	3.4	
COPY	N	L		
SPACE	35.5	2		
COPY				
SPACE				
COPY				
SPACE				

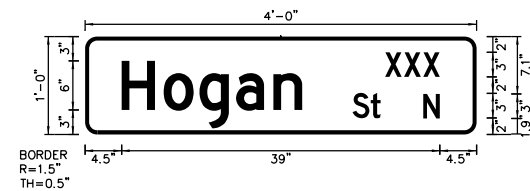
SIGN NAME	Pearl N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	3'-6"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L
SPACE	30.8	33.1	35.5	6.7
COPY	P	e	a	r
SPACE	4.5	9.1	13.2	17.7
COPY	S	t	L	
SPACE	26.8	29	3.4	
COPY	N	L		
SPACE	35.5	2		
COPY				
SPACE				
COPY				
SPACE				

SIGN NAME	Hogan N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	4'-0"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH




NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L
SPACE	36.8	39.1	41.5	6.7
COPY	H	o	g	a
SPACE	4.5	9.6	14	18.5
COPY	S	t	L	
SPACE	32.8	35	3.4	
COPY	N	L		
SPACE	41.5	2		
COPY				
SPACE				
COPY				
SPACE				

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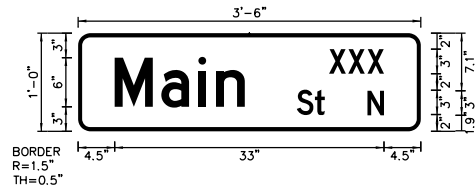
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 PUBLIC WORKS DEPARTMENT

GUIDE SIGN WORKSHEET

SHEET NO.
119

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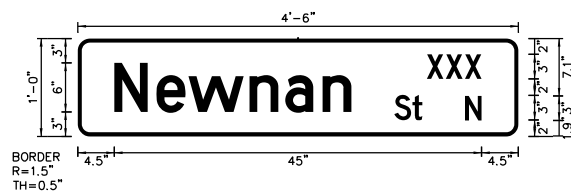
SIGN NAME	Main N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	3'-6"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L	
SPACE	30.8	33.1	35.5	6.7	
COPY	M	a	i	n	L
SPACE	4.5	10.2	14.7	16.9	16
COPY	S	t	L		
SPACE	26.8	29	3.4		
COPY	N	L			
SPACE	35.5	2			
COPY					
SPACE					
COPY					
SPACE					

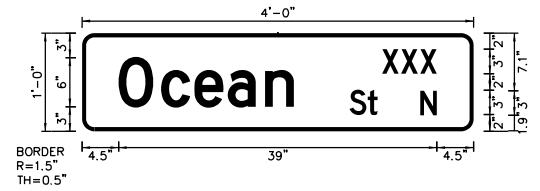
SIGN NAME	Newnan N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	4'-6"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L			
SPACE	42.8	45.1	47.5	6.7			
COPY	N	e	w	n	a	n	L
SPACE	4.5	9.6	13.5	21	25.4	30	29
COPY	S	t	L				
SPACE	38.8	41	3.4				
COPY	N	L					
SPACE	47.5	2					
COPY							
SPACE							
COPY							
SPACE							

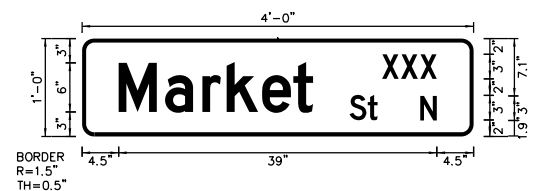
SIGN NAME	Ocean N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	4'-0"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L		
SPACE	36.8	39.1	41.5	6.7		
COPY	O	c	e	a	n	L
SPACE	4.5	9.7	13.8	17.9	22.4	21.5
COPY	S	t	L			
SPACE	32.8	35	3.4			
COPY	N	L				
SPACE	41.5	2				
COPY						
SPACE						
COPY						
SPACE						

SIGN NAME	Market N	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			none
WIDTH	4'-0"	WIDTH	0.5"	
HEIGHT	1'-0"	RADII	1.5"	
LEGEND	White	COLOR	White	
COLOR	Green			
SYMBOL(S)	ANGLE	X	Y	WID
				HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	X	X	X	L			
SPACE	36.8	39.1	41.5	6.7			
COPY	M	a	r	k	e	t	L
SPACE	4.5	10.2	14.7	17.7	22.1	25.9	23.8
COPY	S	t	L				
SPACE	32.8	35	3.4				
COPY	N	L					
SPACE	41.5	2					
COPY							
SPACE							
COPY							
SPACE							

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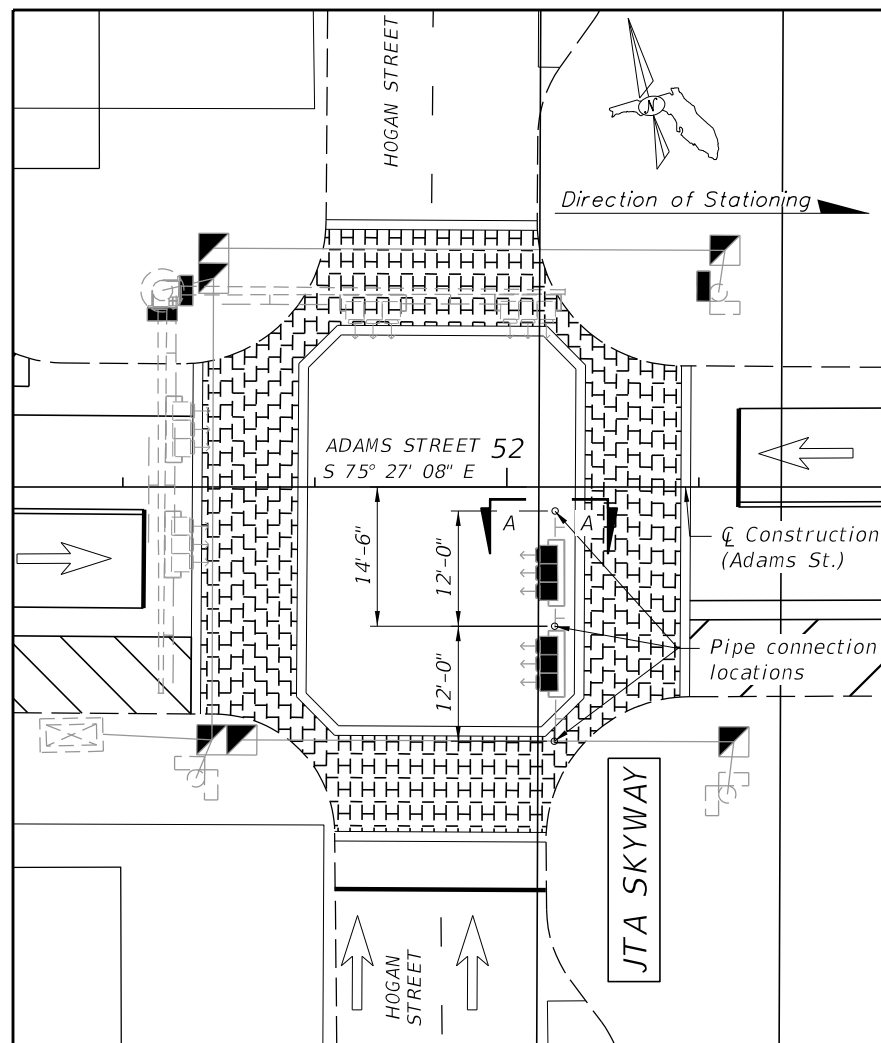
CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

GUIDE SIGN WORKSHEET

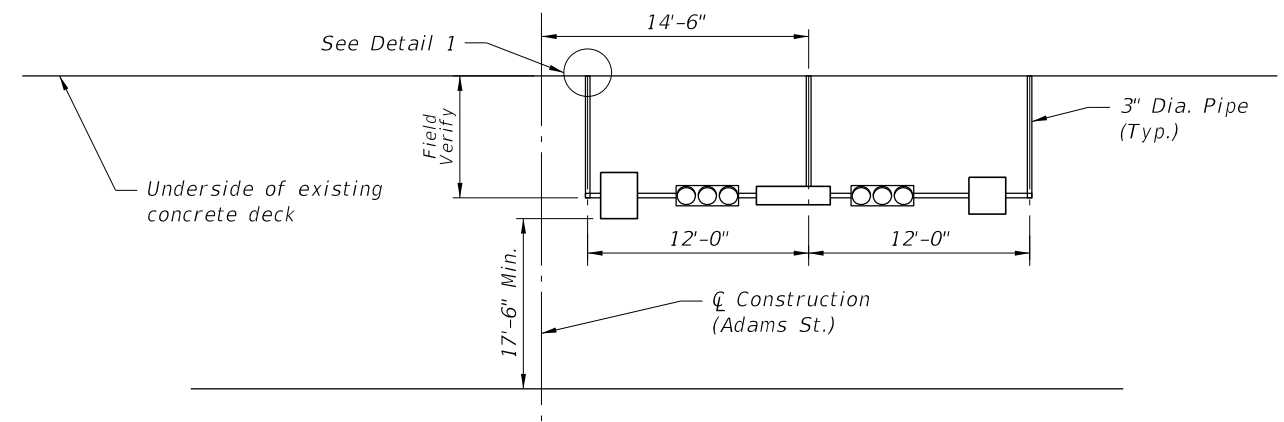
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PLAN - ADAMS AND HOGAN



SIGNAL ELEVATION

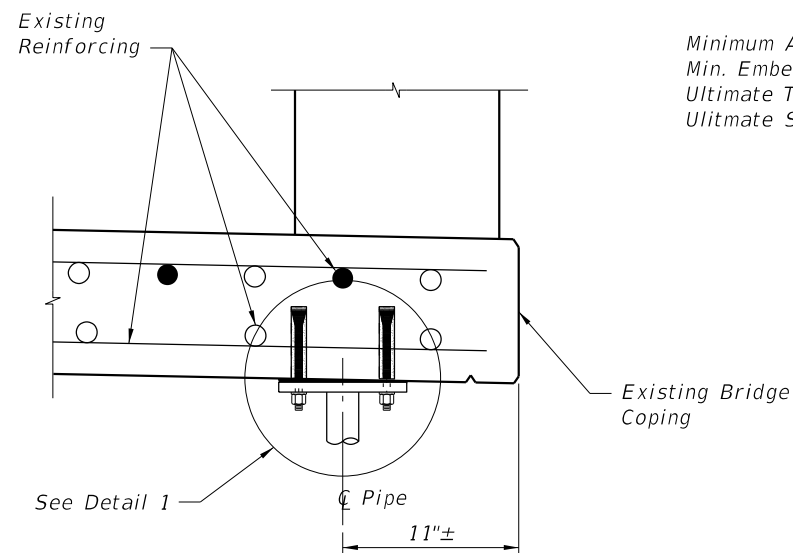
Notes:

1. Materials:
 - A. Base Plates: ASTM A36 or ASTM A709 Grade 36
 - B. Galvanized Steel Fasteners:
 - a. Wedge Anchor: ASTM F1554 Grade 36 fully threaded rods
 - b. Hex Nuts: ASTM A563
 - c. Flat Washers: ASTM F436
 - d. Galvanizing must be done in accordance with ASTM F2329
 - C. Pipe: In accordance with ASTM A53 Grade B for standard weight pipe and ASTM A500 Grade B, C or D or ASTM A501 for structural tube.
 - D. Aluminum Shims: ASTM B209, Alloy 6061. Shim plates will be used for localized irregularities greater than 1/8" beneath base plates.
 - E. Bearing Pads: Plain, Fabric Reinforced, or Fabric Laminated meeting requirements of Specification Section 932 for Ancillary Structures.
2. Welding:

All welding will be in accordance with the American Welding Society Structural Welding Code AASHTO/AWS D5.1 Bridge Welding Code (current edition). Nondestructive testing of welds is not required.
3. Coatings:

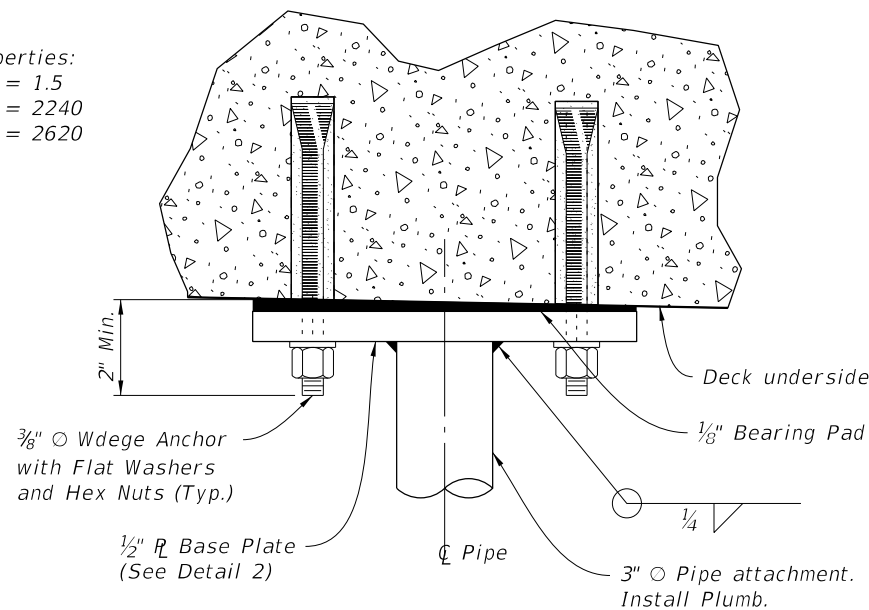
Pipes and Base Plates will be hot-dip galvanized in accordance with Section 962 of the Specifications. Galvanizing shall be performed after all welding is complete.
4. Signals:
 - A. For signal locations and details see Signalization Plans.
 - B. Signal Vertical Clearance will be in accordance with Section 210.10.3 of the FDOT Design Manual.
5. Payment:

Payment for pipes, base plates, anchor bolts, nuts, washers, bearing pads and all incidental materials and labor required to complete installation will be paid for under the contract unit price for Vehicular Traffic Signal (Item No. 650-1-14).
6. If drilled holes conflict with existing reinforcing bars move holes and ensure a minimum of 1" clearance between the edges of the drilled holes and existing reinforcing bars.
7. Contractor to verify location of connection points to avoid conflicts and ensure proper fit.

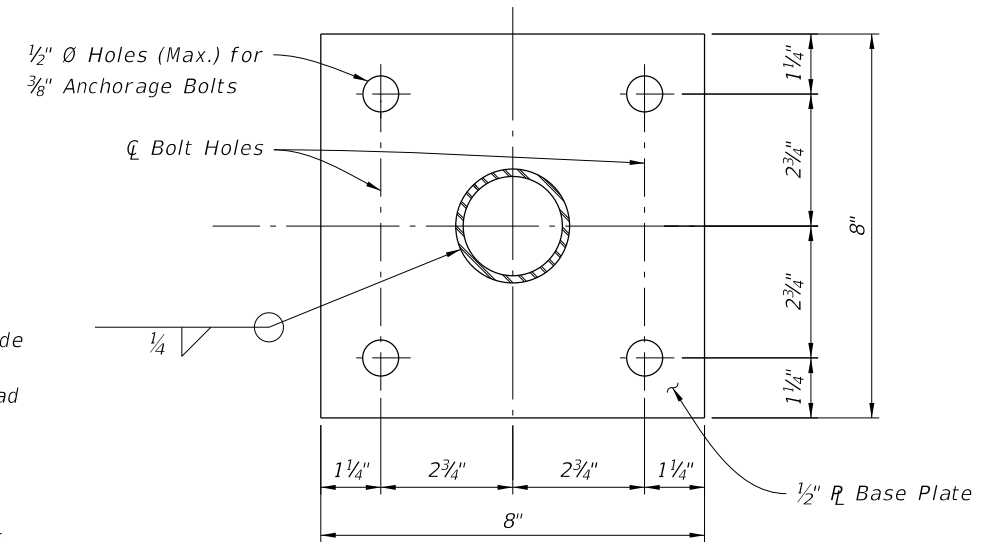


SECTION A-A

Minimum Anchor Properties:
Min. Embedment (in.) = 1.5
Ultimate Tension (lb) = 2240
Ultimate Shear (lb) = 2620



DETAIL 1



DETAIL 2

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P.E. NO. 36642
CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
CERTIFICATE OF AUTHORIZATION: 6127

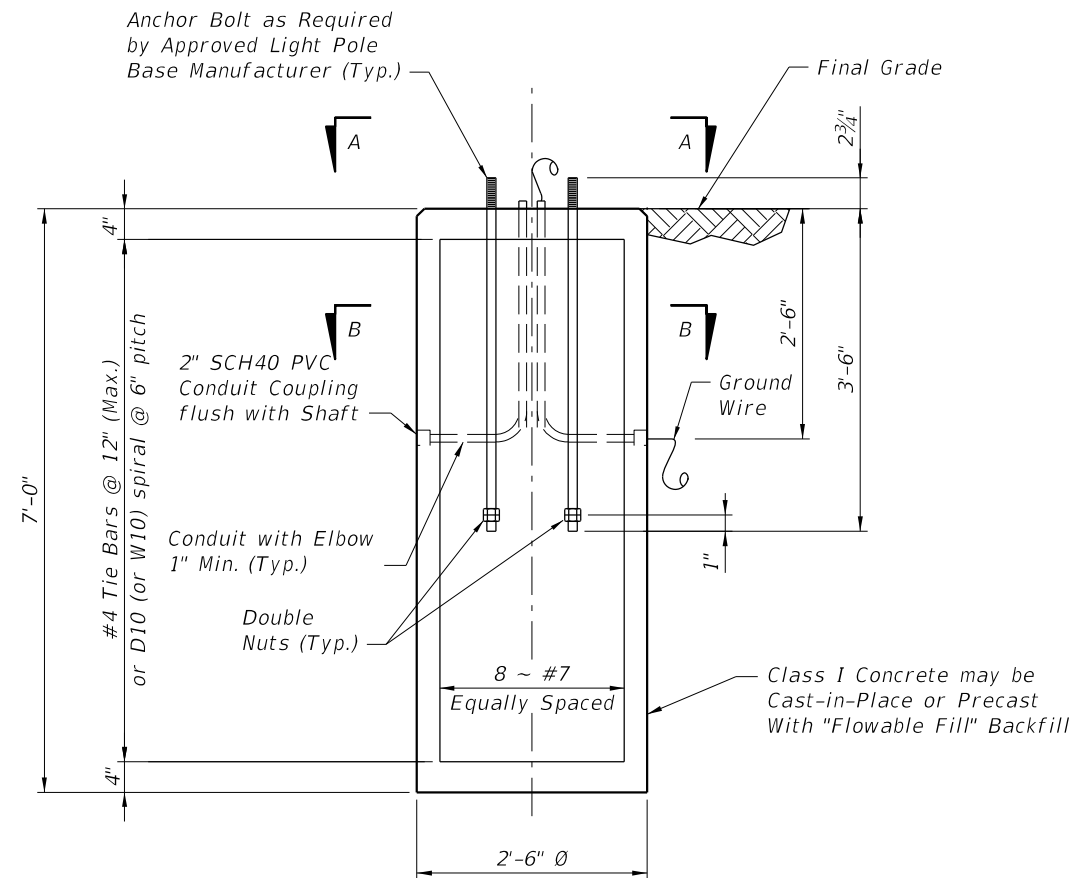
CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

ADAMS - FORSYTH STREET
2-WAY MOBILITY

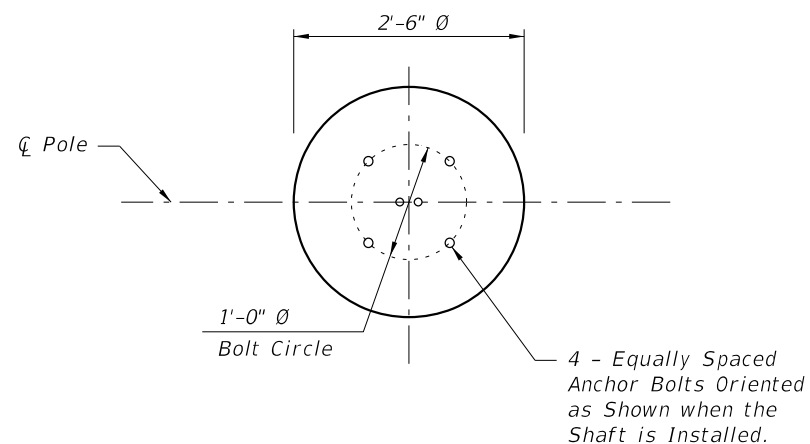
SIGNAL CONNECTION DETAILS

SHEET NO.

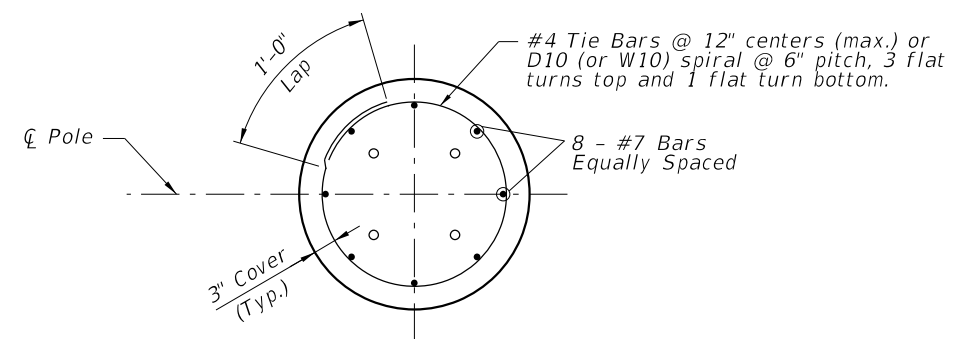
122



FOUNDATION



VIEW A-A



SECTION B-B

NOTES:

1. Design Wind Speed = 120 mph

FOUNDATION NOTES:

1. Design based on Borings taken between 5/23/2022 and 6/16/2022 sealed by John A. Iya of CSI Geo, Inc.
2. Assumptions and Values used in design:
 Soil Type FINE SAND
 Design Water Table is 0 ft. below surface
 Soil Layer Thickness = 7 ft.
 Soil Friction Angle = 32 deg.
 Soil Weight = 49 pcf

REVISIONS			
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 P.E. NO. 36642
 CIVIL SERVICES, INC.
 CONSULTING ENGINEERS
 2394 ST. JOHNS BLUFF ROAD, S.
 JACKSONVILLE, FL 32246
 CERTIFICATE OF AUTHORIZATION: 6127

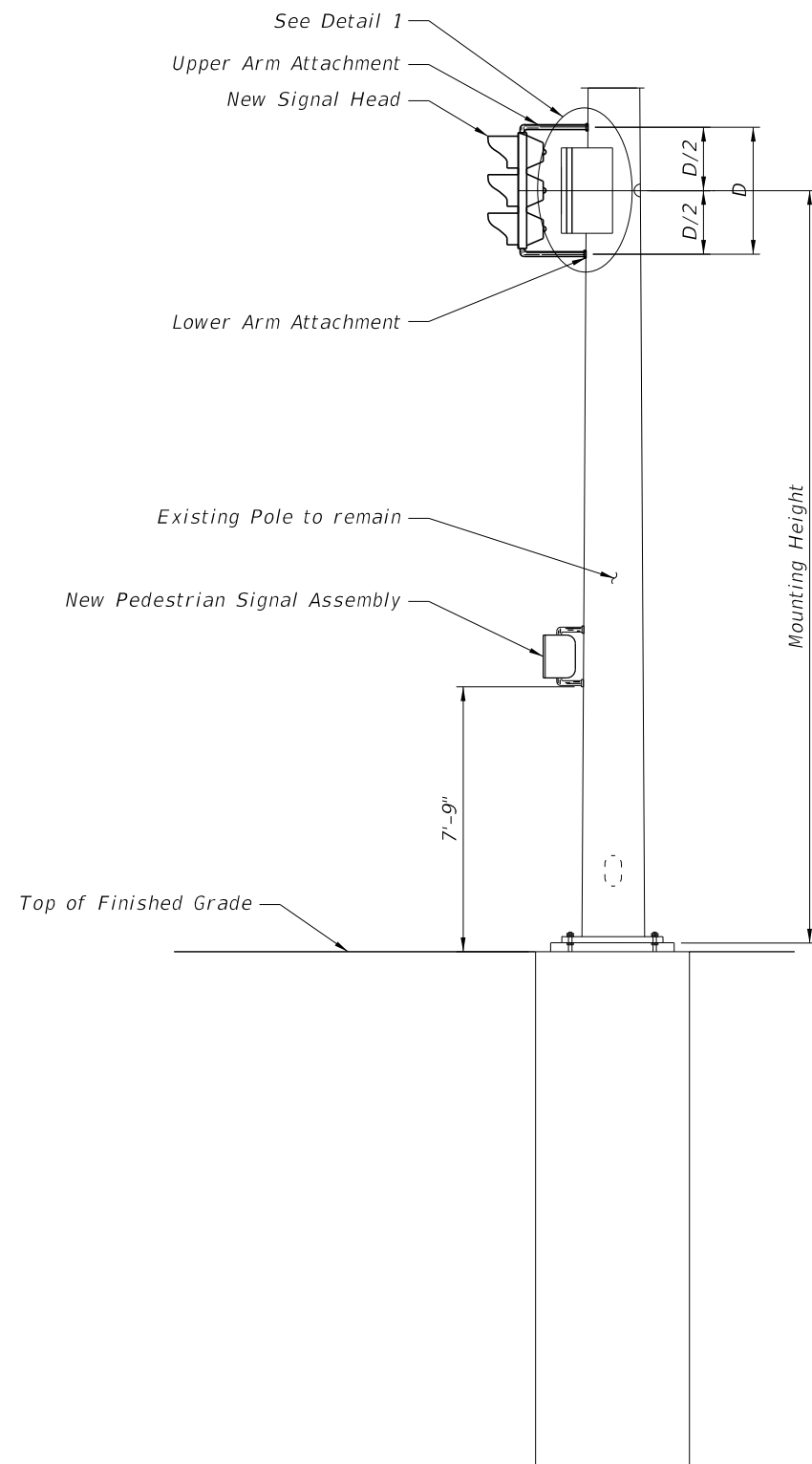
CITY OF JACKSONVILLE
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 ENGINEERING DIVISION

ADAMS - FORSYTH STREET
 2-WAY MOBILITY

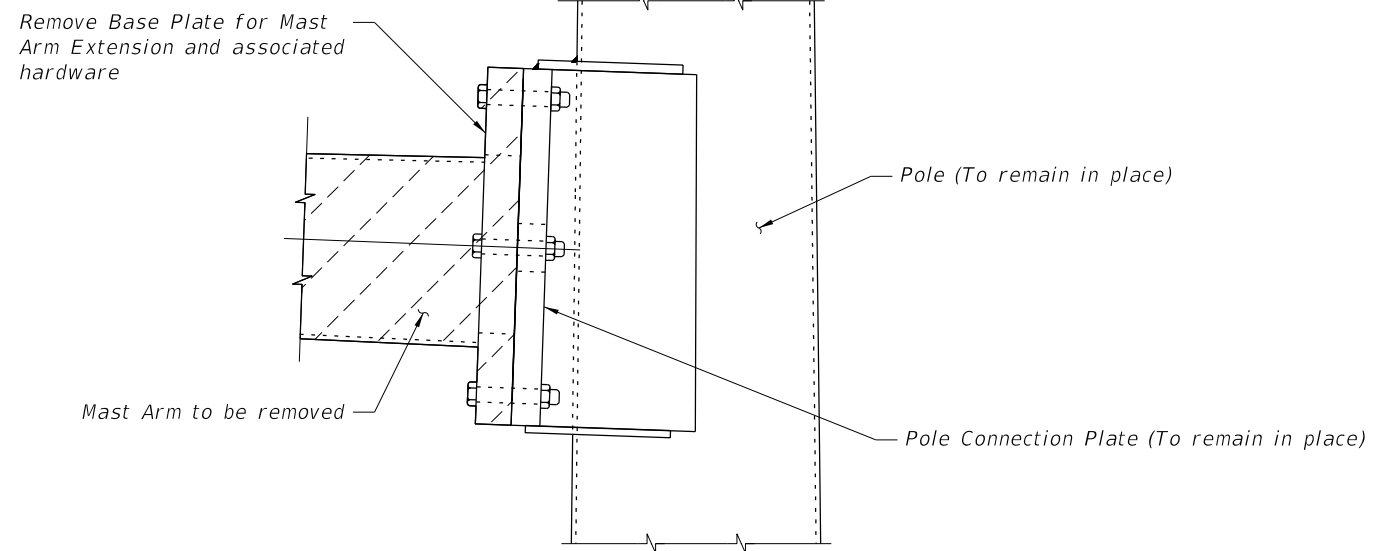
CONCRETE SHAFT
 FOUNDATION DETAILS

SHEET
 NO.

123



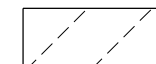
PROPOSED SIGNAL ELEVATION



DETAIL 1

(Removal Detail - Proposed not shown for clarity)

LEGEND:



Denotes existing to be removed

Notes:

1. For locations where Mast Arm is to be replaced by Vehicular Traffic Signal Assembly See Signalization Plans.
2. See APL for Department-approved Vehicular Traffic Signal Assemblies and hardware.
3. See APL for Department-approved Pedestrian Signal Assemblies and hardware.
4. Install signals in accordance with Manufacturer's Recommendations.

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CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

ADAMS - FORSYTH STREET
2-WAY MOBILITY

MISCELLANEOUS SIGNAL
DETAILS

SHEET
NO.

124

SPECIAL MAST ARM ASSEMBLIES DATA TABLE																							Table Date 01-01-12	
NUMBER OF LOCATIONS	STRUCTURE NUMBER	FIRST ARM				FIRST ARM EXTENSION				SECOND ARM				SECOND ARM EXTENSION				POLE						
		FA(ft)	FB(in)	FC(in)	FD(in)	FE(ft)	FF(in)	FG(in)	FH(in)	SA(ft)	SB(in)	SC(in)	SD(in)	SE(ft)	SF(in)	SG(in)	SH(in)	UA(ft)	UB(ft)	UC(in)	UD(in)	UE(in)	UF(deg)	UG(ft)
1	15	30	6.8	11	0.25	0	0	0	0	0	0	0	0	0	0	0	22	19	12.9	16	0.375	0	0	
1	16	30	6.8	11	0.25	0	0	0	0	0	0	0	0	0	0	0	22	19	12.9	16	0.375	0	0	

Construction Considerations:

- Temporary casing shall be anticipated to be used in locations where Very Loose soils are encountered. If deemed necessary the casing shall extend below the depth of the Very Loose soil.

SPECIAL MAST ARM ASSEMBLIES DATA TABLE (CONT.)																						Table Date 01-01-12
STRUCTURE NUMBER	FIRST ARM CONNECTION (in) First Arm Camber Angle = 2 Degrees											SECOND ARM CONNECTION (in) Second Arm Camber Angle = 2 Degrees										
	#Bolts	HT	FJ	FK	FL	FN	FO	FP	FR	FS	FT	#Bolts	HT	SJ	SK	SL	SN	SO	SP	SR	SS	ST
15	6	22	25	3	0.75	0.187	14.2	1.25	2	8.5	0.25	0	0	0	0	0	0	0	0	0	0	0
16	6	22	25	3	0.75	0.187	14.2	1.25	2	8.5	0.25	0	0	0	0	0	0	0	0	0	0	0

SOIL PROPERTIES			
STRUCTURE NUMBER	LAYER THICKNESS	SOIL FRICTION ANGLE	SOIL WEIGHT
15	12.0	33	53
16	12.0	32	48

SPECIAL MAST ARM ASSEMBLIES DATA TABLE (CONT.)																							Table Date 07-01-15	
STRUCTURE NUMBER	POLE BASE CONNECTION (in)					SHAFT AND REINF.							LUMINAIRE AND LUMINAIRE CONNECTION											
	#Bolts	BA	BB	BC	BF	DA(ft)	DB(ft)	RA	RB	RC	RD(in)	RE	RF(in)	LA(ft)	LB(ft)	LC(in)	LD(in)	LE	LF(ft)	LG(in)	LH(in)	LJ(in)	LK(in)	LL(deg)
15	6	32	2.5	2	40	7	5	11	19	6	8	0	0	0	0	0	0	0	0	0	0	0	0	0
16	6	32	2.5	2	40	8	5.5	11	22	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES [Notes Date 07-01-13]:

- Work with Index 649-031.
- Design Wind Speed = 130 mph

FOUNDATION NOTES [Notes Date 01-01-12]:

- Design based on Borings taken between 5/23/2022 & 6/16/2022 sealed by Joyn A. Iya, P.E.
- Assumptions and Values used in design: Soil Type Fine SAND Design Water Table is 0 ft. below surface

STANDARD MAST ARM ASSEMBLIES DATA TABLE											Table Date 11-01-16
STRUCTURE ID NUMBERS	DESIGNATION	FIRST ARM		SECOND ARM		UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
		ARM ID	FAA (ft.)	ARM ID	SAA (ft.)			POLE ID	UAA (ft.)	UB (ft.)	
1	A50/S-P3/S	A50/S	27.5					P3/S	22	19	DS/14/4.5
11	A40/S-P2/S	A40/S						P2/S	22	19	DS/12/4.5
12	A30/S-P1/S	A30/S						P1/S	22	19	DS/12/4.0
23	A30/S-P1/S	A30/S						P1/S	22	19	DS/12/4.0
24	A40/S-P2/S	A40/S						P2/S	22	19	DS/12/4.5

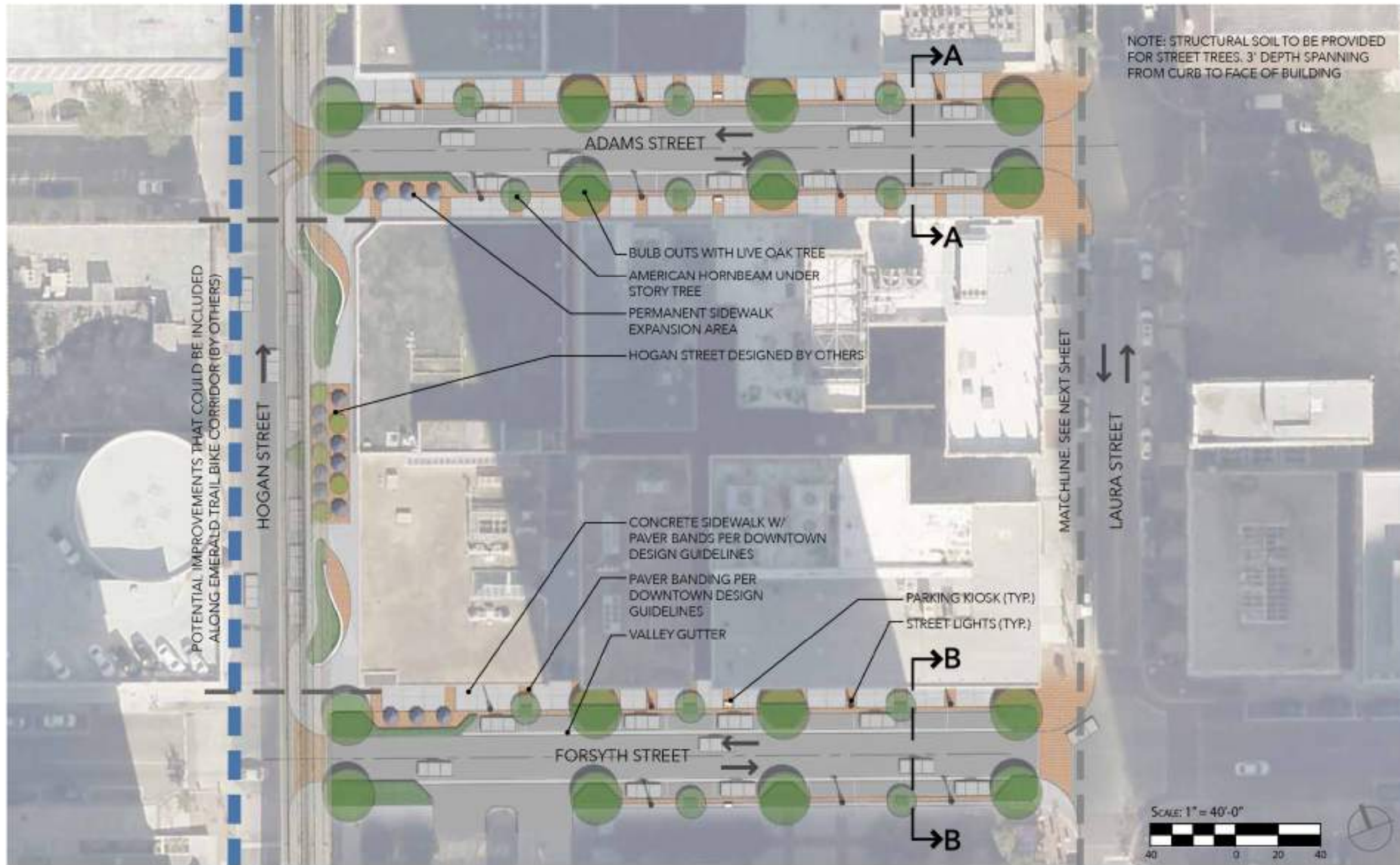
NOTES [Notes Date 11-01-16]:

1. If an entry appears in column FAA, a shorter arm is required. This is obtained by removing length from the arm tip and the arm length shortened from FA to FAA. SAA Similar.
2. If an entry appears in column UAA, a shorter pole is required. This is obtained by removing length from the pole tip and the pole height shortened from UA to UAA.
3. Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.
4. Work with Index 649-030 and 649-031.

Construction Considerations:

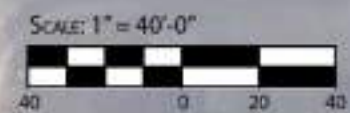
1. Temporary casing shall be anticipated to be used in locations where Very Loose or Organic soils are encountered. If deemed necessary the casing shall extend below the depth of the Very Loose and/or Organic soil.

REVISIONS				CHRISTOPHER E. MORSE, P.E. P.E. NO. 36642 CIVIL SERVICES, INC. CONSULTING ENGINEERS 2394 ST. JOHNS BLUFF ROAD, S. JACKSONVILLE, FL 32246 CERTIFICATE OF AUTHORIZATION: 6127	CITY OF JACKSONVILLE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	ADAMS - FORSYTH STREET 2-WAY MOBILITY	STANDARD MAST ARM ASSEMBLIES DATA TABLE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					126



POTENTIAL IMPROVEMENTS THAT COULD BE INCLUDED ALONG EMERALD TRAIL BIKE CORRIDOR (BY OTHERS)

NOTE: STRUCTURAL SOIL TO BE PROVIDED FOR STREET TREES. 3' DEPTH SPANNING FROM CURB TO FACE OF BUILDING



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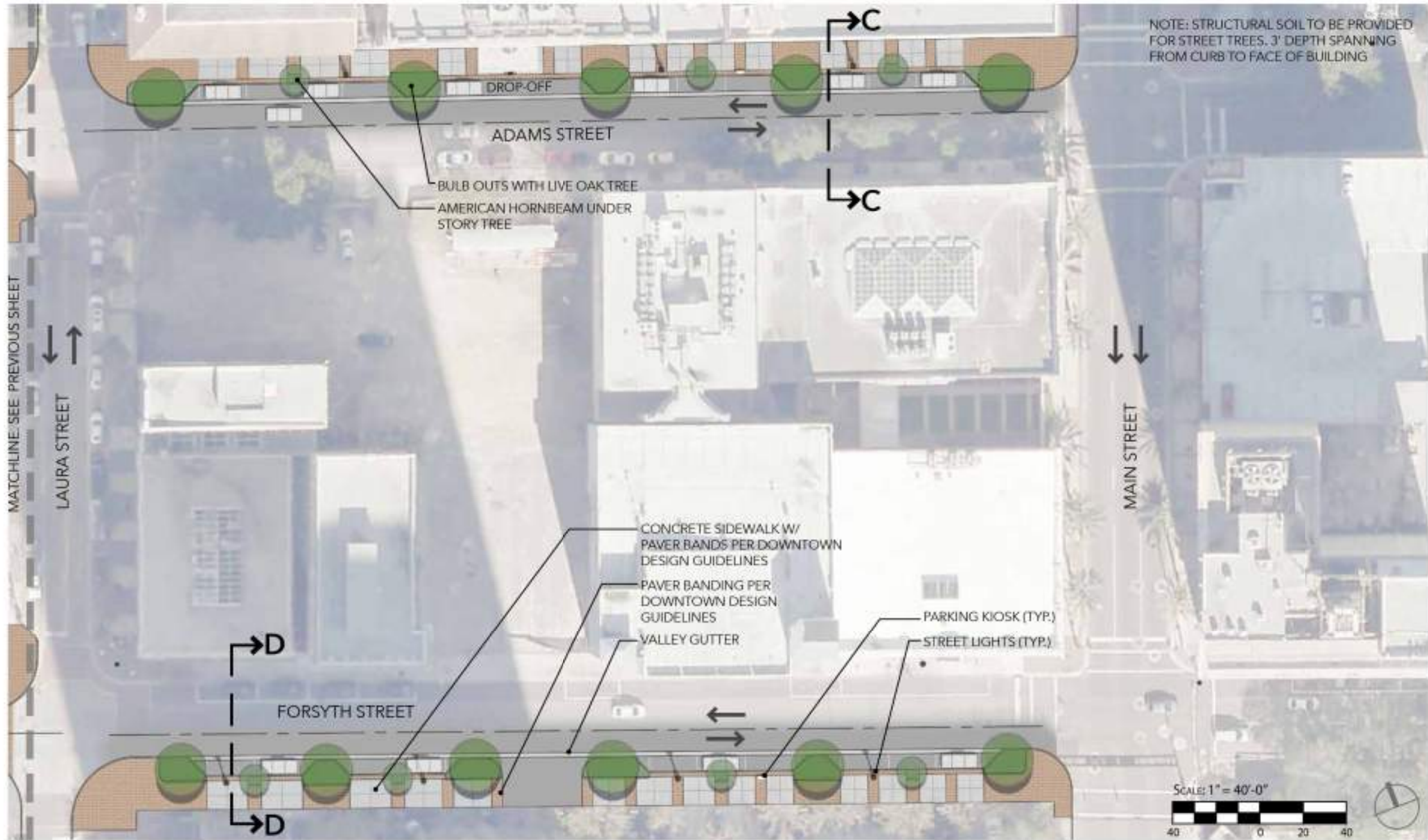


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UNCONSTRAINED CONCEPTUAL PLAN

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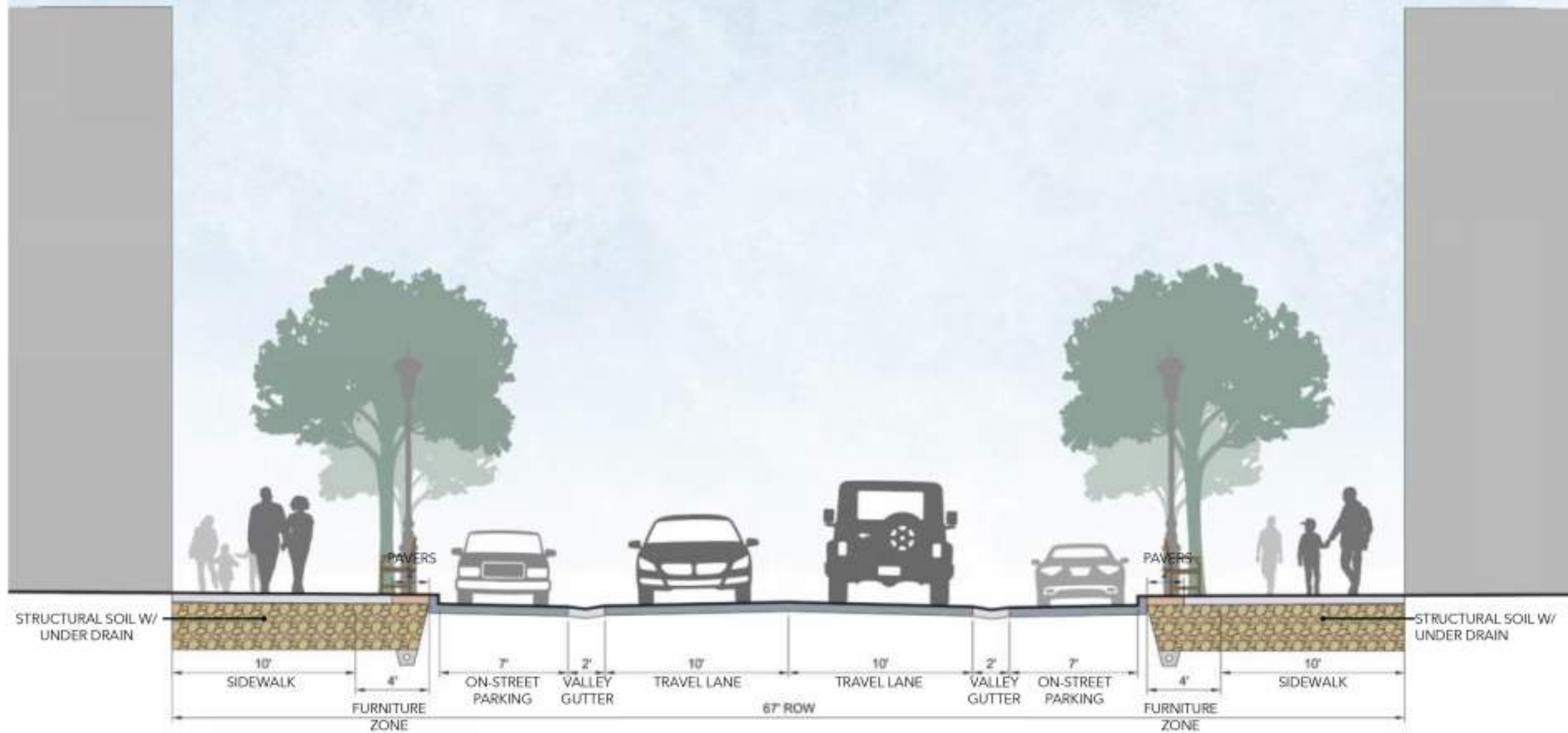
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UNCONSTRAINED CONCEPTUAL PLAN

SHEET NO.
 3

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SECTION A-A: ADAMS STREET BETWEEN HOGAN AND LAURA ST.



Two-Way Mobility (Forsyth and Adams Street)
 Adams Street Conceptual Section
 November 18, 2022



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 Florida Certificate of Authorization Number: 00004050

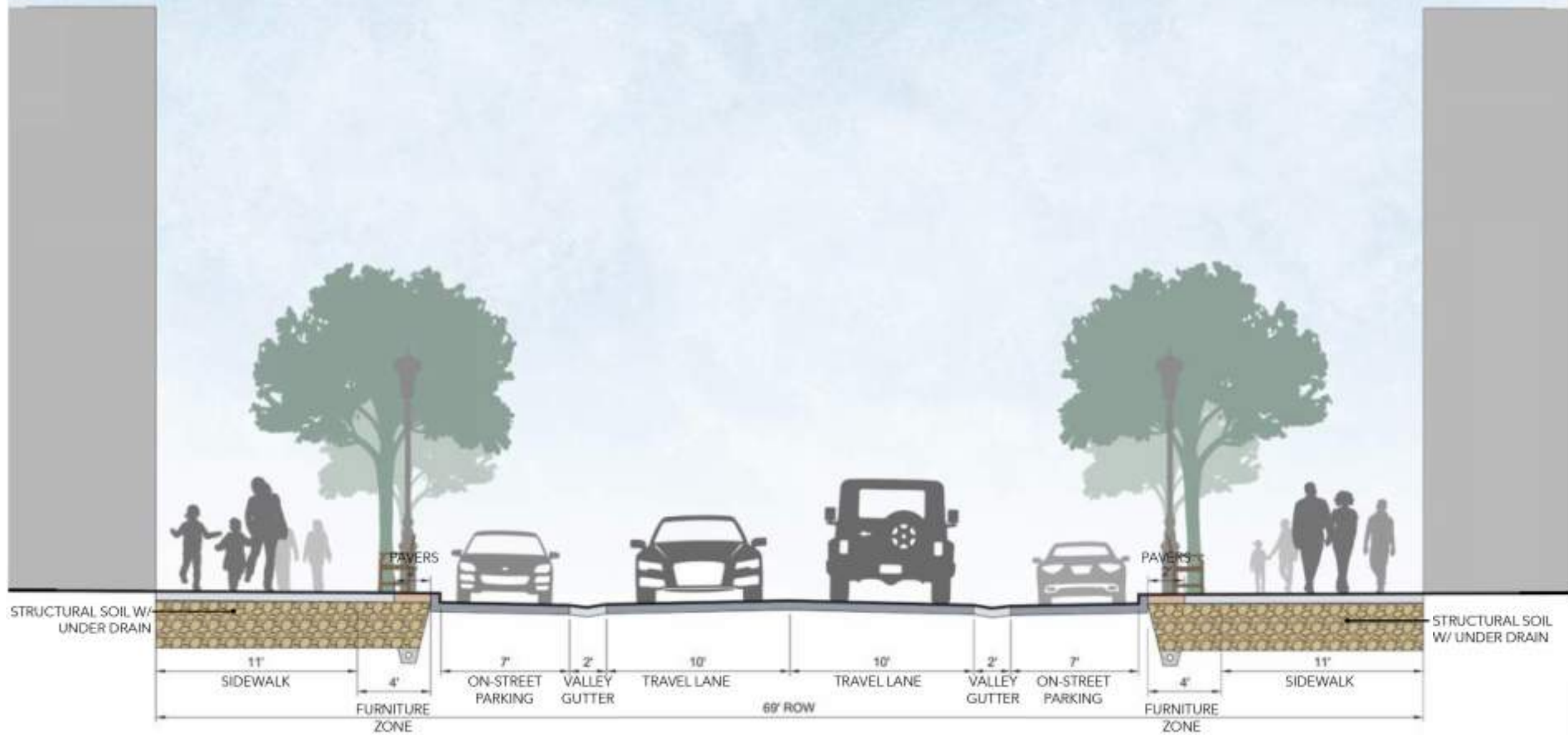


CITY OF JACKSONVILLE
 PUBLIC WORKS DEPARTMENT

ADAMS STREET
 CONCEPTUAL SECTION

SHEET NO.
 4

SECTION B-B: FORSYTH STREET BETWEEN HOGAN AND LAURA ST.



Two-Way Mobility (Forsyth and Adams Street)
 Forsyth Street Conceptual Section
 November 18, 2022



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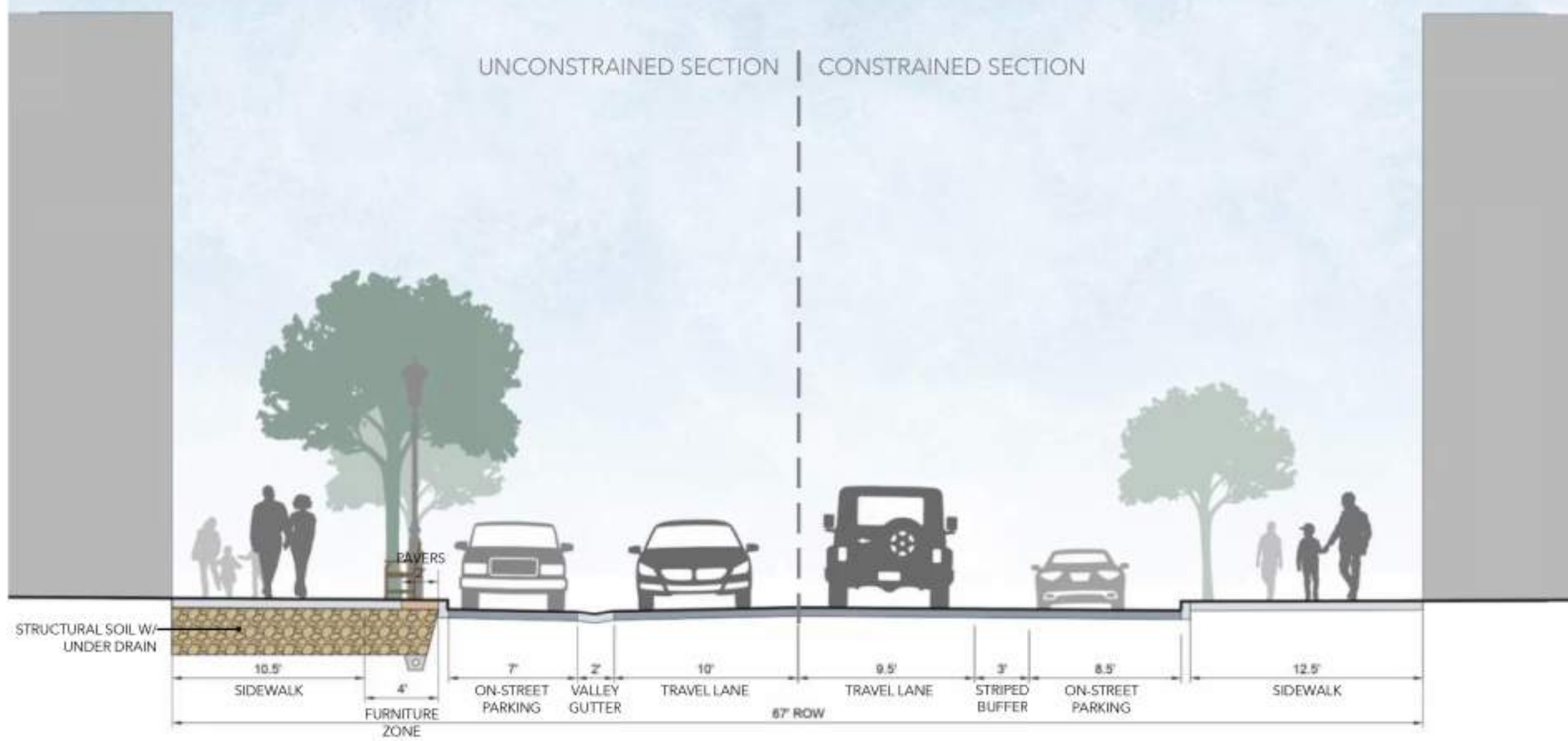


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SHEET NO.
 5

SECTION C-C: ADAMS STREET BETWEEN LAURA AND MAIN ST.



Two-Way Mobility (Forsyth and Adams Street)
 Adams Street Conceptual Section
 November 18, 2022



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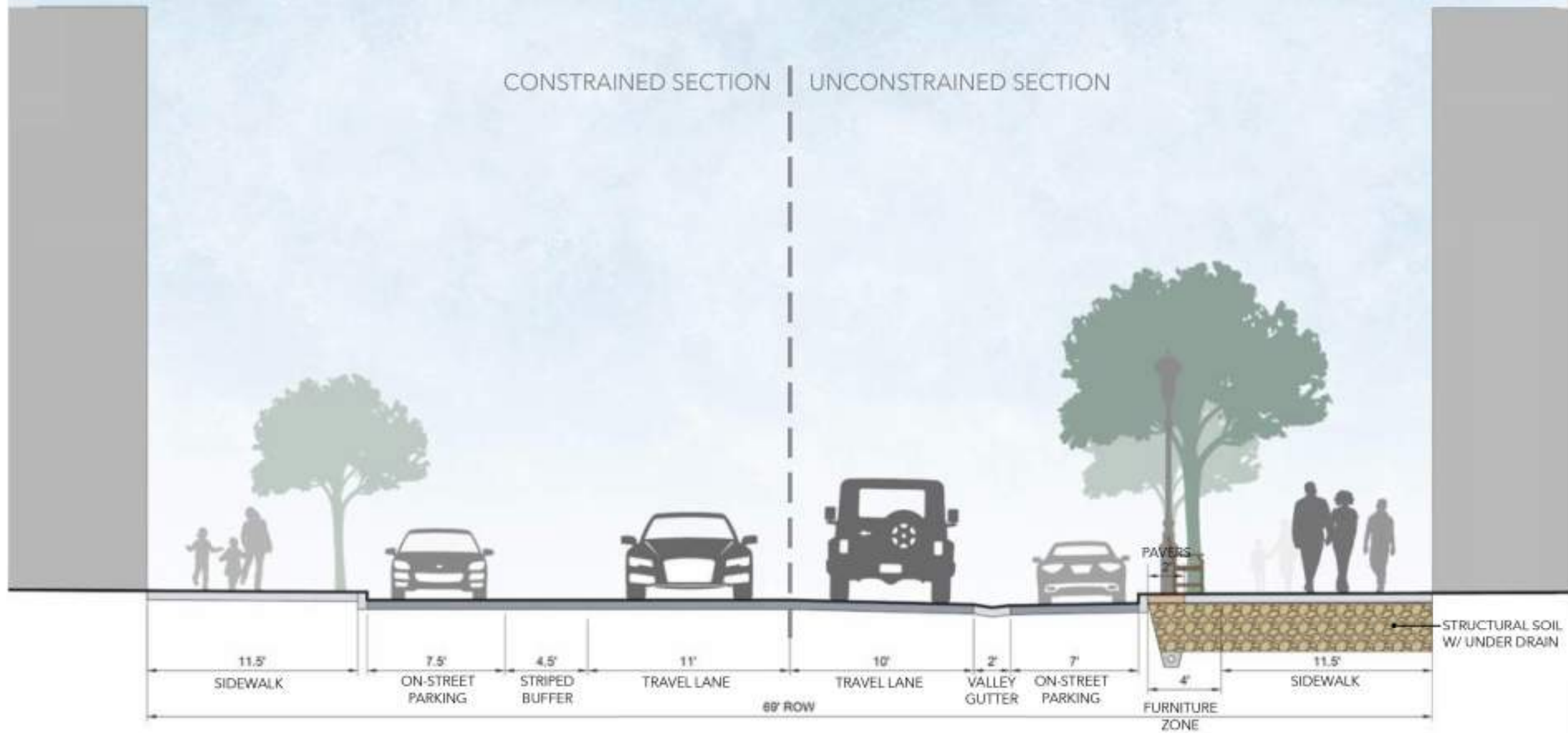
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SECTION D-D: FORSYTH STREET BETWEEN LAURA AND MAIN ST.



Two-Way Mobility (Forsyth and Adams Street)
 Forsyth Street Conceptual Section
 November 18, 2022



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