



**City of Springfield  
Community Development Division**

**INVITATION TO BID**

for

**2024 MAINTENANCE HOLE REHABILITATION  
PROJECT #P21192**

<b>A <u>NON-MANDATORY</u> PRE-BID MEETING:</b>	
<b>Date:</b>	<b>Tuesday, May 7<sup>th</sup>, 2024</b>
<b>Time:</b>	<b>10:00 am</b>
<b>Location:</b>	<p>Microsoft Teams meeting            Join on your computer, mobile app or room device  <a href="#">Click here to join the meeting</a>            Meeting ID: 274 171 282 140            Passcode: apQSnS</p>
<b>BID OPENING:</b>	
<b>Date:</b>	<b>Tuesday, May 21<sup>st</sup>, 2024</b>
<b>Time:</b>	<b>2:00 pm</b>
<b>Location:</b>	<p>Microsoft Teams meeting            Join on your computer, mobile app or room device  <a href="#">Click here to join the meeting</a>            Meeting ID: 247 942 088 96            Passcode: bJPfB9</p>

**The deadline for submitting questions regarding this Invitation to Bid, prior to bid opening is Tuesday, May 14<sup>th</sup>, 2024, as specified in Section 3.3 of the Instruction to Bidders.**

- The complete set of bid documents for this project consists of two sections: *The Invitation to Bid Documents and the Project Plan Set.*
- For the City of Springfield to consider your Bid responsive, you must include the documents listed in the Instruction to Bidders, *Section 5.1 of the Bid Submittal and Forms and as indicated by Table of Contents.*
- *Any addendums or revisions must be acknowledged and submitted with your Bid except for plans and drawings, which are not required to be submitted as a part of your Bid.*



## **TABLE OF CONTENTS AND BIDDER'S CHECKLIST**

### **Local Funding**

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Documents indicated with a checkbox must be included with each bid submittal for the bid to be considered responsive. *Documents without a checkbox do not need to be included in the bid submittal.*

#### **Book 1: Invitation to Bid Documents**

- Invitation to Bidders
- Bid Submittal, Terms, and Declarations (Acknowledge Addenda)
  - Instruction to Bidders
  - Contract (Sample)
  - Prevailing Wage Rate Information
  - Special Provisions – Scope of Work
- First-Tier Subcontractor disclosure form
- Financial Responsibility
- Certificate of Compliance – Statement of nondiscrimination/ORS 279A.110
- Minority, Woman, and Emerging Small Business/Disadvantaged Business Enterprise Form (MWESB)
- Conflict of Interest Disclosure Form (COI)
- Non-Collusion Affidavit
  - Bid Bond (Sample)
  - Performance Bond (Sample)
  - Payment Bond (Sample)

#### **Book 2: Project Plan Set and Standard Drawings– Separate Book**

- Construction Plans and Drawings

#### **Additional Documents to be submitted**

- Bid Bond
- Addenda (if applicable)

# CITY OF SPRINGFIELD, OREGON

## Invitation to Bidders

### Public Works Capital Improvement Project

**Project No. P21192**

**Title: 2024 Maintenance Hole Rehabilitation**

**Description:** The 2024 Maintenance Hole Rehabilitation Project consists of 22 minor adjustment of maintenance holes at various locations in Springfield. Construction activities involves saw-cutting around existing maintenance holes, removal of existing pavement, replacing maintenance hole frame and lid, and resetting frame and lid in new early-strength concrete to match existing road grade to create a smooth travel surface.

A **NON-MANDATORY** pre-bid meeting will be held on **Tuesday May 7<sup>th</sup>, 2024, at 10:00 am**. The meeting will be held online via the Teams below. Please use the link below to attend:

## Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 274 171 282 140

Passcode: apQSnS

Bid documents are available from the City of Springfield City Hall, Development and Public Works, Southeast Quad, 225 Fifth Street, Springfield, OR 97477, for a non-refundable fee of **\$10.00** and are available for viewing at this location. Abridged bid documents are available online at <https://springfield-or.gov/city/development-public-works/current-construction-projects/invitations-to-bid/p21192-2024-maintenance-hole-rehabilitation/>  
*Bid books on file with plan centers are incomplete and cannot be submitted as completed bids.*

The **deadline for submitting questions** regarding this Invitation to Bid is **Tuesday May 14<sup>th</sup>, 2024 at 5:00 pm**. Contact with other City officials may be grounds for disqualification of the bid. All questions should be addressed to **Mariah Kimpton, Contract Analyst, at 541-726-2245 or [mkimpton@springfield-or.gov](mailto:mkimpton@springfield-or.gov)**.

Any bidder requiring special assistance or auxiliary aids during the bidding and award process should contact **Mariah Kimpton at 541-726-2245 or [mkimpton@springfield-or.gov](mailto:mkimpton@springfield-or.gov)** at least two (2) business days before the scheduled program, activity, or meeting for hearing assistance or a sign language interpreter and at least five (5) business days before the event for all other meeting accommodations. Assistive listening systems are available for the hearing impaired in the Municipal Courtrooms and City Council Chambers. TTY users dial Oregon Relay Services at 711. Requests for documents in alternate formats should be submitted at least ten (10) calendar days prior to the date the materials are needed to allow time for the City to respond to the request. At the discretion of the City, submission deadlines may be extended to accommodate a request for alternate formats.

This project is subject to the state prevailing wage rates under ORS 279C.800 to 279C.870. Each bid must contain a statement as to whether the bidder is a resident bidder, as defined in ORS 279A.120. In accordance with ORS 279C.365, the City will not consider a bid unless it contains a statement by the bidder that they will comply with ORS 279C.838 through ORS 279C.870.

All Contractors performing work on this project shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.560, as applicable, in place at the time the quote is presented.

The City of Springfield may reject any or all bids not in compliance with all prescribed public bidding procedures and requirements, including the requirement to demonstrate the bidder's responsibility under ORS 279C.375, or waive minor irregularities not affecting substantial rights and may reject for a good cause any or all bids upon a finding of the City of Springfield it is in the public interest to do so and accept such bids that in the opinion of the Springfield City Council are in the best interest of the City.

The City of Springfield encourages contractors, sub-contractors, and minority, woman-owned, and emerging small businesses to participate in City projects.

Sealed bids will be received at City Hall Development and Public Works, Southeast Quad, Attn: Contracts Analyst, Mariah Kimpton, 225 Fifth Street, Springfield, OR 97477, until, but no later than 2:00 pm Local Time, **Tuesday, May 21<sup>st</sup>, 2024**, and opened immediately online via a Teams meeting;

## Microsoft Teams meeting

**Join on your computer, mobile app or room device**

[Click here to join the meeting](#)

Meeting ID: 247 942 088 96

Passcode: bJPfB9

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ITB3 Rev 02/23/2019

Solicitation Number S3618





**Construction Bid Submittal**

**Project No. P21192**

**Project Title: 2024 Maintenance Hole Rehabilitation**

Item No.	Description	Specification Number	Approx. Quantity	Per	Unit Price	Total Price Extension
100	MOBILIZATION	00210.90	1	LS		
110	TEMPORARY WORK ZONE TRAFFIC CONTROL - COMPLETE	00221.98	1	LS		
120	EROSION CONTROL	00280.90(a)	1	LS		
130	MINOR ADJUSTMENT OF MANHOLES	00490.90(a)	22	EA		
					<b>Total</b>	

**Terms, Declarations and Bid Submittal**

**Bidder’s Understanding**

Bidders shall determine for themselves all the conditions and circumstances affecting the projected cost of the proposed work by personal examination of the site, Contract documents, and by such other means they may deem to be necessary. It is understood and agreed that in the event the City has obtained information from data at hand regarding underground or other conditions or obstructions depicted in the Contract documents, there is no expressed or implied agreement that such conditions are fully or correctly shown, and the Bidder must take into consideration the possibility that conditions affecting the cost or quantity of work may differ from those indicated.

The Bidder is familiar with and is satisfied as to all federal, state and local laws and regulations that may affect cost, progress, and performance of the work.

**Bid**

The undersigned Bidder having examined the Specifications and Contractual Documents and having satisfied themselves as to all conditions to be encountered, hereby proposes to furnish all labor, material and equipment and perform all work necessary to complete the project in accordance with this Bid, the Contract Plans, Section 100 of the City of Springfield Standard Construction Specifications, Parts 00200 through 03000 of the 2024 Oregon Standard Specifications for Construction, the Special Provisions, and all other Contractual Documents at the prices and on the terms herein contained.

The unit price Bids are submitted with the understanding that the quantities stated are approximate and are given only as the basis of calculation for comparison of Bids and determining that the unit prices are balanced and that final payment for all unit price items will be based on actual quantities.

It is understood that in the instance of a discrepancy between the unit price and the extension (total price extension) the unit price shall govern. The extension shall be determined by multiplying the unit price by the number of units (approximate quantity).

**Bid Guarantee**

As required by ORS 279C.365(5) each Bid shall be accompanied by a Bid Bond, cash, or a certified or cashier’s check written upon a bank in good standing and in a form acceptable to the City, payable to the Finance Director of the City of Springfield, Oregon, in an amount equal to at least 10 percent of the total

amount of the Bid. Bid Bonds shall be issued by a surety company registered to issue bonds in the State of Oregon, and utilizing a bond form acceptable to the City. The City will accept AIA Document A310-2010. The Bid Bond may not be altered.

Such Bid Guarantee shall be forfeited and become the property of the City in case the Bidder shall fail or neglect to furnish a satisfactory Performance and/or Payment Bond issued by a viable bond company acceptable to the City as required by ORS 279C.380 and to execute the Contract within ten (10) days (Saturday, Sunday, and holidays excepted) after receiving Contract from the City for execution. For information regarding Performance and Payment Bond requirements see City of Springfield Contract document, Section 5. City Bonding.

### **Bid Acceptance Period**

This Bid will remain subject to acceptance for a period of 60 days after the bid opening, or for such longer period of time that the Bidder may agree to in writing upon request of the City.

### **Contract Award**

Bids will be accepted and awarded in accordance with Oregon Public Contracting Law and the City's most recent version of the Standard Construction Specifications.

Prior to awarding the Contract, the City may, at its sole discretion, require Contractors and/or Subcontractors to demonstrate to the City's satisfaction that they have a complete and clear understanding of all requirements of the Prevailing Wage Rate Laws contained in ORS 279C.800 through 279C.870 and possess the expertise necessary for fulfilling their obligations pertaining to these requirements throughout the administration of the Contract. In determining competency, the City may consider Certified Payroll Reports submitted by the Contractor and/or Subcontractor for projects previously performed for the City, copies of Certified Payroll Reports submitted to other public entities, references from other public entities attesting to the Contractor's expertise, or an interview with the Contractor regarding their personnel resources and expertise or their ability to obtain the resources and expertise necessary to meet all contractual responsibilities in accordance with ORS 279C.375.

### **Time is of the Essence**

Time is of the essence in the Contractor's performance of the Contract. Delays in the Contractor's performance of the work may inconvenience the public, interfere with business and commerce, and increase cost to the City. It is essential and in the public interest that the Contractor prosecute the work vigorously to Contract completion. The City does not waive any rights under the Contract by permitting the Contractor to continue to perform the Contract, or any part of it, after the Contract Time of Completion shown below, or as adjusted by Contract Change Order, has expired.

### **Liquidated Damages**

The City of Springfield and the Contractor agree that; (a) the amounts so fixed are reasonable forecasts of just compensation for the harm that is caused by the breach; (b) the harm that is caused by the breach is one that is incapable of or very difficult of accurate estimation; and, (c) the amount so fixed is not fixed as a penalty to coerce performance of the Contract but is rather intended to be a genuine pre-estimation of injury to the City of Springfield in lieu of performance within the contract time by the Contractor.

#### **a. Delay**

It is agreed by the City of Springfield and by the Contractor that the need exists for a damage provision in the event the Contractor fails to complete the work within the Contract time specified, or any extension thereof, by the City of Springfield. The City of Springfield and the Contractor further agree that the Contractor shall be liable to the City of Springfield for fixed, agreed and liquidated damages for each and every calendar day of delay in the amount of \$500.00 per day in accordance with Subsection 180.85 of the Standard Construction Specifications.

#### **b. Failure to Report Spills**

The Contractor also agrees to liquidated damages in the amount of \$500.00 per incident for failure to report sewage spills plus an amount sufficient to reimburse the City for any civil and administrative penalties paid by the City as a result of the contractor's failure to report. Failure to report sewage spills may subject the City to (1) civil penalties of up to \$32,500.00 per day of violation pursuant to Section

309(d) of the Clean Water Act, 33 U.S.C. § 1319(d); (2) administrative penalties of up to \$11,000.00 per day for each violation, pursuant to Section 309(g) of the Clean Water Act, 33 U.S.C. § 1319(g); or (3) civil action in federal court for injunctive relief pursuant to Section 309(b) of the Clean Water Act, 33 U.S.C. § 1319(b).

### **Contract Time of Completion**

The Contractor shall not begin work under this Bid until written Notice to Proceed has been received and a pre-construction meeting has been held. The Contractor shall complete the work under this Bid by September 6<sup>th</sup>, 2024.

The Contractor shall apply for any extensions of time as specified in Subsection 180.80 of the Standard Construction Specifications.

### **Certifications**

The undersigned hereby certifies that:

- 1.) If awarded the Contract, that they shall fully comply with all provisions regarding the prevailing wage rates as required by ORS 279C.800 to 279C.870 and/or 40 U.S.C. 2762 as applicable.
- 2.) The Contractor, Subcontractor, suppliers of materials or services, and others engaged by the Contractors, shall comply at all times with and observe all such laws, ordinances, regulations, orders, and decrees; and shall hold harmless and indemnify the City of Springfield and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree.
- 3.) The Contractor, Subcontractor or other person doing, or contracting to do, or contracting for the whole or any part of the work on the Contract shall comply with all applicable requirements of Federal and State civil rights and rehabilitation statutes, rules and regulations.
- 4.) In conformance with OAR 137-049-0440(3) and ORS 279A.110(4) the Contractor has not, and will not, discriminate against a Subcontractor in the awarding of a subcontract because the Subcontractor is a minority, women or emerging small business enterprise certified under ORS 200.055 or a business enterprise that is owned or controlled by or that employs a disabled veteran, as defined in ORS 408.225.
- 5.) In conformance with OAR 137-049-0390(b)(c) the Contractor should have a satisfactory record of performance with the Agency to the extent that costs associated with previous contract(s) were within the Offeror's control, and the Offeror stayed within the time and budget allotted for the procurement and performed the contract in a satisfactory manner, and that the Agency has determined that the Offeror's performance was satisfactory in met the performance standards required by the Agency.
- 6.) In accordance with ORS 279C.505, the Contractor will;
  - a.) Make payment promptly, as due, to all persons supplying to the Contractor labor or material for the performance of the work provided for in the Contract.
  - b.) Promptly pay all contributions or amounts due the State Industrial Accident Fund, or private carrier of accident insurance, from such Contractor or Subcontractor incurred in the performance of the Contract. If a private carrier is used, the Contractor shall notify the Engineer as to the carrier's name and address before commencement of work.
  - c.) Not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished.
  - d.) Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.
  - e.) Have an employee drug testing program in place at the time of signing the contract and will maintain such drug testing program in place over the life of the Contract. Upon request, the Contractor shall furnish a copy of the employee drug testing program to the City.

- 6.) In accordance with ORS 279C.510, If demolition is involved, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective as required by ORS 279C.510(1). If lawn or landscaping maintenance is involved, the Contractor shall compost or mulch yard waste in an approved site, if feasible and cost-effective as required by ORS 279C.510(2).
- 7.) In accordance with ORS 279C.520, no person will be employed by the Contractor or Subcontractor for more than 10 hours in any one day, or 40 hours in any one week except in cases of necessity, emergency, or where the public policy absolutely requires it, and in such cases the person so employed shall be paid at least time and one-half the regular rate of pay for all times worked in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; or in excess of 10 hours a day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and for all work performed on a Saturday, Sunday and on any legal holiday specified in ORS 279C.540.
- 8.) In compliance with ORS 279C.525, the Contractor has received and reviewed Federal, State and local agencies that may have enacted ordinances, rules or regulations dealing with the prevention of environmental pollution and the preservation of natural resources that may affect the performance of this Contract as identified under Section 13 of the Contract. Accordingly, if the Contractor is delayed or must undertake additional work by reason of ordinances, rules, or regulations relating to the prevention of environmental pollution and the protection of natural resources subsequent to the date of submission or the successful quote, the City may:
  - a.) Terminate the Contract,
  - b.) Complete the work itself,
  - c.) Use non-owner forces already under contract with the City of Springfield,
  - d.) Solicit bids for a new contractor to provide the necessary services under competitive bid requirements 279C,
  - e.) Issue the Contractor a change-order setting forth additional work that must be undertaken.
- 9.) In accordance with ORS 279C.530, the Contractor will;
  - a.) Promptly, as due, make payments to any person, co-partnership, association or corporation, furnishing medical, surgical, and hospital care or other needed care and attention, incidental to sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all monies and sums which the Contractor:
    1. May or shall have deducted from the wages of his employees for such services pursuant to the terms of Oregon Revised Statutes and any contract entered in pursuant thereto; or
    2. Collected or deducted from the wages of his employees pursuant to any law, contract, or agreement for the purpose of providing or paying for such service; and
    3. All employers working under the Contract are either employers that will comply with ORS 656.017 or employers that are exempt under ORS 656.126. The Contractor shall ensure that each of its Subcontractors complies with these requirements.
- 10.) No Contractor, Subcontractor or any firm, corporation, partnership or association in which the Contractor or Subcontractor has a financial interest who appears on the *List of Contractors Ineligible to Receive Public Works Contracts*, as established by the Bureau of Labor and Industries, will perform work under this Contract, as specified in ORS 279C.860.
- 11.) No Contractor, Subcontractor or any firm, corporation, partnership or association in which the Contractor or Subcontractor has a financial interest who appears on the Construction Contractor's Board *Not Qualified to Hold Public Contracts* list, will perform work under this Contract, as specified in ORS 701.227(4).
- 12.) The Contractor performing work on this project shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described

in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.560 as applicable in place at the time the quote is presented.

- 13.) Prior to performing any work under the Contract all Subcontractors shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.520 as applicable.
- 14.) In compliance with ORS 279C.836, the Contractor shall confirm that all Subcontractors have a valid public works bond on file with the Construction Contractors Board prior to allowing them to perform any work under the Contract.
- 15.) If the Contract specifies that the project includes Asbestos Abatement, the Contractor and all Subcontractors performing work on the project shall be licensed in accordance with ORS 467A.720 prior to performing any work on the project. Certification of compliance shall be presented to the City upon request.
- 16.) The Contractor shall function as an independent contractor for the purposes of this Contract and shall not be considered an employee of the City of Springfield for any purpose. The Contractor shall assume sole responsibility for any debts or liabilities that may be incurred by the Contractor in fulfilling the terms of this Contract and shall be solely responsible for the payment of all federal, state, and local taxes which may accrue because of this Contract.
- 17.) The Contractor and all Subcontractors shall comply with all applicable provisions of the Americans With Disabilities Act of 1990, 42 USC Section 12101 et seq. and Section 504 of the Rehabilitation Act of 1973.
- 18.) In accordance with ORS 137-079-0390, "Offer Evaluation and Award: Determination of Responsibility" the Contractor will

**Bid Addenda**

All Addenda issued are considered to be part of the specifications of the Invitation to Bid and, as such, are as incorporated into the Contract as specified in Section 120.15 of the Standard Construction Specifications.

By signing below, I acknowledge the receipt of the following Addenda documents and certify that the specifications contained in each have been considered and incorporated into the Bid as presented. All Addenda must be included with the Bid submitted.

Addenda Number	Addenda Date

**Declarations**

As required by ORS 305.385(6), under penalty of perjury, by signing below the Contractor represents that, to the best of their knowledge, neither they nor any applicable Subcontractors performing work under the Contract are in violation of any tax laws as described in ORS 305.380(4) and have complied with the tax laws of this state or a political subdivision thereof including, but not limited to, ORS 305.620 and ORS Chapters 316, 317 and 318. The Contractor shall also covenant to continue to comply with the tax laws of this state or a political subdivision thereof during the term of the Contract and that Contractor's failure to comply with such laws prior to execution of the Contract or during the term thereof is a default for which the City may terminate the Contract and seek damages and other relief available under the terms of the Contract or under applicable law.

The undersigned Bidder declares that the only persons or parties interested in the Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the City, and that the Bid is made without any connection or collusion with any person submitting another Bid on this project.

I have read, fully understand, and agree that as Bidder I, and all Subcontractors, will comply with all of the terms and conditions of the contract for which this Bid is presented. By signing below I attest that I am an officer or a duly authorized representative of the business listed below and that I possess the legal authority to submit this Bid for consideration.

If the Bid is submitted by a joint venture and is in the name of the joint venture, by signing below I certify that all parties have examined this Bid, including all requirements and the Contract terms and conditions and, if successful, the joint venture shall execute a Contract which incorporates the stated requirements, terms and conditions.

Bidder's Signature \_\_\_\_\_

Bidder's Name (*Please Print*) \_\_\_\_\_

Title \_\_\_\_\_

Business Name \_\_\_\_\_

Business Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone Number \_\_\_\_\_ Cell Phone \_\_\_\_\_

Date \_\_\_\_\_ E-mail Address \_\_\_\_\_



# CITY OF SPRINGFIELD

## INSTRUCTION TO BIDDERS

Local Funding Sources

### **1. Contracting Law**

The Bidder is presumed to be familiar with all federal, state, and local laws, ordinances and regulations, orders and decrees which affect those engaged or employed in the work, materials, or equipment used in the proposed construction or which may affect the conduct of the work. If the Bidder or Contractor shall discover any provision in the Contract Documents which is contrary to or inconsistent with any law, ordinance, or regulation, he/she shall immediately report it to the Owner in writing.

The Contractor, Subcontractor, suppliers of materials or services, and others engaged by the contractors, shall comply at all times with and observe all such laws, ordinances, regulations, orders, and decrees; and shall hold harmless and indemnify the City of Springfield and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree.

### **2. Prequalification**

There is no prequalification application to this Contract. Bidders unfamiliar to the City and who are not currently pre-qualified with ODOT or the City, may be required to prove to the City that they have the adequate resources, experience and equipment to complete the work.

### **3. Contract Documents**

#### **3.1 Plans and Specifications**

Plans, Specifications, and any additional information relative to this project which are on file in the City Engineer's Office shall be made available there for inspection by prospective Bidders.

#### **3.2 Examination of Contract Documents and Site of Work**

Bidders shall determine for themselves all the conditions and circumstances affecting the projected cost of the proposed work by personal examination of the site, Contract Documents, and by such other means. It is understood and agreed that the City has obtained information regarding underground or other conditions or obstructions depicted in the Contract Documents from data at hand. There is no expressed or implied agreement that such conditions are fully or correctly shown, and the Bidder must take into consideration the possibility that conditions affecting the cost or quantity of work may differ from those indicated.

#### **3.3 Interpretation of Contract Documents**

If it should appear to a Bidder that the work to be done is not sufficiently described or explained in the Contract Documents, or that Contract Documents are not definite and clear, the Bidder shall make written inquiry regarding same to the individual shown, in the manner instructed and within the timeframe indicated in the Invitation to Bid advertisement. Questions received will be evaluated and if, in the judgment of the City, the response does not alter or amend the requirements or scope of the Invitation to Bid, but merely clarifies existing information, the response will be entered on the Clarifications Log and posted to the project webpage as shown in the Invitation to Bid. If, in the judgment of the City, additional information or interpretation is necessary, such information shall be supplied in the form of an addendum to all individuals, firms, and corporations listed on the Plan Holders List and those individuals that attended

the Pre-Bid Meeting and provided an accurate e-mail address on the sign-in sheet. Such addenda shall have the same binding effect as though contained in the main body of the Contract Documents. The City is not responsible for any explanation, clarification, interpretation, or approval made or given in any manner except by written addenda issued by City.

### 3.4 Addenda to Contract Documents

Any addenda issued by the City, which may include changes, corrections, additions, interpretations, or information issued 72 hours or more before the scheduled closing time for filing the Bids shall be binding upon the Bidder. Addenda will be posted to the City's website at [Invitations to Bid - City of Springfield Oregon \(springfield-or.gov\)](https://www.springfield-or.gov/invitations-to-bid); click under the project the addenda pertains to. The Contractor should check the website frequently for new postings during the open bid period. The City shall make a reasonable effort to notify all individuals, firms, and corporations listed on the Plan Holders List and those individuals that attended the Pre-Bid Meeting and provided an accurate e-mail address on the sign-in sheet when addenda are issued. Failure of the Contractor to receive or obtain such addenda shall not excuse them from compliance.

## **4. Estimate of Listed Quantities**

The estimate of quantities of work to be done under unit price bids is approximate and is given only as the basis of calculation for comparison of Bids and award of the Contract. The Owner does not agree that the actual amount of work will correspond precisely to the amount as shown or estimated. Payment will be made at unit prices under a Contract only for work actually performed or materials actually furnished according to actual measurements.

The Owner reserves the right to increase or decrease the amount of any class or portion of the work. No such change in the work shall be considered as a waiver of any condition of the Contract, nor shall such change invalidate any of the provisions thereof.

## **5. Bid**

### 5.1 Bid Submittal and Forms

The complete set of bid documents for this project consists of two sections, the Invitation to Bid Documents and the Project Plan Set.

For the City of Springfield to consider your bid responsive, you must include all documents listed in the Instruction to Bidders, in numerical order according to the Table of Contents.

The forms that must be included with all bid submittals, include:

1. Bid Submittal, Terms and Declarations
2. First-Tier Sub-Contractor Disclosure Form
3. Financial Responsibility Form
4. Certificate of Compliance - Statement of Non-Discrimination/ORS 279A.110
5. Minority, Woman and Emerging Small Business/Disadvantaged Business Enterprise Form (MWESB)
6. Conflict of Interest Disclosure Form (COI)
7. Non-Collusion Affidavit
8. Bid Bond

The Project Plan Set is not required to be submitted as part of your bid.

Additionally, any addendums or revisions must be acknowledged and submitted with your Bid.

The Bid Submittal, Bid Bond, Certified Check, or Cashier's Check shall be enclosed in a sealed and labeled



envelope. The outside of the envelope shall plainly identify: The project name and project number and (2) The Bid opening date. All Bids must be clearly and distinctly typed or written with ink or indelible pencil. Unless otherwise specified, Bidders shall bid on all Bid items, and must include in their Bid prices the entire cost of each item of work set forth in the Bid.

Any statement accompanying and tending to qualify a Bid may cause rejection of such Bid, unless such statement is required in a Bid embracing alternate Bids. If, in the opinion of the City, the items or prices in any Bid appear unbalanced, incomplete, or fail to comply with all the terms required, the Bid may be rejected.

Sealed Bids shall be labeled clearly, addressed to Amanda Clinton, Contracts Analyst, and received at City of Springfield, City Hall, Development and Public Works, "Southeast Quad", 225 Fifth St. Springfield, Oregon, 97477 at, or before, the time and date noted on the Invitation to Bidders, after which time the Bids will be publicly opened and read aloud.

All Bids shall be on the form furnished by the City, and in addition to necessary unit price items and total prices in the column of totals to make a complete Bid, all applicable blanks giving general information must be filled in and the Bids signed by an officer or duly authorized representative of the Bidder. The only exceptions to this requirement are the Performance Bond, Payment Bond and the Contract documents which are provided here as a reference. However, if you are awarded the Bid, you will be required to submit fully executed copies of these documents upon request.

#### 5.2 First Tier Subcontractor Statement

Bidders are required to disclose information about certain first-tier subcontractors when the contract value for a Public Improvement is greater than \$100,000 (see ORS 279C.370). If the total Bid price for the contract exceeds \$100,000, the Bidder shall submit on the form provided (within two working hours of the date and time of when the bids are due), a list of all first-tier subcontractors (those entities that would be contracting directly with the prime Contractor) which will be furnishing labor or material on the Contract whose subcontract value would be equal to or greater than 5 percent of the total Bid price, but at least \$15,000. Also, any Subcontractor with a subcontract value greater than \$350,000, regardless of the percentage of the total Bid price, must be listed. The following information must be listed: a) The Subcontractor's name and address, b) The Subcontractor's Construction Contractor Board registration number, if one is required, and c) The subcontract dollar value. If no subcontractors are being used that are subject to the above disclosure requirements, the Bidder is required to indicate "None" on the accompanying form. The form may be submitted with the Bid or may be submitted separately in a separate envelope from the Bid within two hours after the bid opening. The envelope containing the form should be marked "Subcontractor Disclosure Form Submitted for Project PXXXXX" and should also be marked with the name of the Bidder.

#### 5.3 Non-Discrimination

Pursuant to ORS 279A.110, that the bidder has not discriminated and will not discriminate against a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns, or an emerging small business in obtaining any required subcontracts. The bidder understands that it may be disqualified from bidding on this public improvement project if the Agency finds that the bidder has violated subsection (1) of ORS 279A.110. The Bidder certifies that it has a written policy and practice that meets the requirements described in ORS 279A.112 (House Bill 3060, 2017) of preventing sexual harassment, sexual assault and discrimination against employees who are members of a protected class.

#### 5.4 Non-Collusion

The price(s) and amount of this bid have been arrived at independently and without consultation, communication, or agreement with any other contractor, bidder, or potential bidder except as disclosed on

a separately attached statement. Neither the price(s) nor the amount of this bid, and neither the approximate price(s) nor approximate amount of this bid has been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before the opening of bids. No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid. This bid is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid. The bidder, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted of or found liable for any act, prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract except as described on a separately attached statement. The bidder understands and acknowledges that the above representations are material and important and will be relied on by the Agency, in awarding the contract(s) for which this bid is submitted. The bidder understands that any misstatement in this certification is and shall be treated as fraudulent concealment from the Agency, of the true facts relating to the submission of bids for this contract.

#### 5.5 Compliance With Oregon Tax Laws:

By signature on this bid, the undersigned hereby certifies under penalty of perjury that the undersigned is authorized to act on behalf of bidder, that the undersigned has authority and knowledge regarding bidder's payment of taxes, and that bidder is, to the best of the undersigned's knowledge, not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means a state tax imposed by ORS 320.005 to 320.150 (Amusement Device Taxes), ORS 403.200 to 403.250 (Tax For Emergency Communications), and ORS Chapters 118 (Inheritance Tax), 314 (Income Tax), 316 (Personal Income Tax), 317 (Corporation Excise Tax), 318 (Corporation Income Tax), 321 (Timber And Forestland Tax), and 323 (Cigarettes And Tobacco Products Tax), and any local taxes administered by the Department of Revenue under ORS 305.620.

#### 5.6 Withdrawal, Modification, or Alteration of Bid

A Bid may be withdrawn on written or telegraphic request of the Bidder prior to the scheduled closing time for filing Bids. No Bidder may withdraw its Bid or any portion thereof after the time set for the opening of Bids until a Contract has been awarded and executed or until sixty (60) days have elapsed since the Bid opening. Negligence on the part of the Bidder in preparing its Bid confers no right to withdraw its Bid after the scheduled closing time for filing Bids.

Prior to the scheduled closing time for filing Bids, changes may be made provided the changes are initialed by the Bidder or its Agent. If the intent of the Bidder is not clearly identifiable, the interpretation most advantageous to the City will prevail.

#### 5.7 Late Bids

Bids received after the scheduled closing time for filing Bids as set forth in the Invitation to Bidders will be rejected and returned unopened to the Bidder unless such closing time is extended by the City.

#### 5.8 References

In order to comply with the requirements of ORS279C.375 regarding the determination of bidder responsibility, completion of the *Financial Responsibility Form* included in the Invitation to Bid documents must be completed in full. The City will use the information provided to ascertain the financial responsibility of the bidder as it pertains to the specific criteria to be considered prior to award of a public works contract.

The City reserves the right to investigate the references, financial capacity, credit history and past

performance of any Bidder, including service(s) provided to City of Springfield, with respect to their successful performance on other projects; compliance with specifications and contractual obligations; expertise regarding the completion and submission of Certified Payroll Reports; completion or delivery of a project on schedule and within budget; and its lawful payment of suppliers, subcontractors and workers. The City reserves the right to use any information or reference that may be discovered in evaluating any bid. The City reserves the right to find a bid to be nonresponsive for failure or refusal of bidder to provide all information in a timely manner, as requested. The city may postpone issuance of a Notice of Intent to Award in order to complete its investigation. The City reserves the right to reject any bid at any time prior to the City's execution of a Contract in the event reference checks prove unsatisfactory. The City's investigation may include Bidder's previous business entities of the principals involved. If more than one Bidder is involved the City may investigate each entity. In the event that the city requests information from the Bidder the completeness of the information submitted, its veracity and the extent to which it has been independently verified will impact the City's decision.

### 5.9 Bid Ownership

All material submitted by the Contractor shall be considered the property of the City, and as such, shall not be returned to the Contractor after the deadline for submission of the Bid in question has passed. After opening, all bids will become part of the public record unless exempt under Oregon Public Records Law, see ORS 192.501, ORS 192.502 and ORS 279C.340.

### 5.10 Rejection of Bids

The City reserves the right to reject any or all Bids in whole, or in part, or to waive irregularities not affecting substantial rights.

General or evasive replies will be considered grounds for rejection of the Bid as incomplete. The successful Bidder may be required to appear before the City Council and submit satisfactory evidence that he or she has the necessary capital and is qualified and prepared to prosecute the work to the full satisfaction of the Engineer.

The City also reserves the right to reject any Bid which is 10 percent greater or 20 percent less than the Engineer's estimate or any Bid which contains item bids which vary more than 30 percent plus or minus from the Engineer's item bid estimate.

## **6. Payments by Contractor**

### 6.1 Wages

It is agreed that if this project qualifies under Oregon law as a prevailing wage rate public works project, each worker in each trade or occupation employed in the performance of this Contract either by the Contractor, Subcontractor or other person doing or contracting to do or contracting for the whole or any part of the work on the Contract, must be paid not less than the applicable prevailing wage rate. If this project contains both federal and state funds, the hourly wages shall be not less than the higher of the state or the federal amount of the prevailing rate of wage. Prevailing wage rate payments include fringe benefits, for each trade or occupation in the locality where such labor or work is performed, as determined by the commissioner, in which the workers are employed. The existing rate of wage is the rate, in effect at the time the initial specifications were first advertised for bid solicitations as determined by the Commissioner of the Bureau of Labor and Industries under ORS279C.815.

If any dispute arises as to what is the prevailing rate of wage for the same trade or occupation in the locality and if that dispute cannot be settled by the parties involved, the dispute may be referred to the Commissioner of the Bureau of Labor and Industries, who shall then determine the prevailing rate of wage for the same trade or occupation in the locality.

It shall be the responsibility of the Contractor and any Subcontractor to post the prevailing wage rates on

the job site in a conspicuous place which is accessible to employees and must remain posted for the duration of the job.

## 6.2 Certification

No Bid will be received or considered by the City unless the Bid contains a statement by the Bidder as part of the Bid that the Bidder shall comply with provisions regarding prevailing rates of wages required by ORS 279C.840.

**CITY OF SPRINGFIELD  
PUBLIC IMPROVEMENT CONTRACT**

FOR USE WITH OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION

**PROJECT # \_\_\_\_\_**

Dated:

Parties: City of Springfield "CITY"  
A Municipal Corporation of the State of Oregon  
225 5<sup>th</sup> Street  
Springfield, OR 97477

and

"Contractor"

**Additional Contractor Information:**

- a) Type of Entity:  Sole Proprietorship  Partnership  
 Limited Liability Comp  Corporation
- b) Address:
- c) Telephone:
- d) Fax No:
- e) If Applicable, Listed among the Parties Excluded from Federal Procurement or Non-Procurement Programs found at: <https://www.sam.gov/portal/public/SAM/>:  Yes  No

**City Account Number(s) To Be Charged (Include Percentages):**

Account Number	Percentage

**RECITALS**

Contractor was the successful bidder for the contract for the construction of the public improvement project described in the plans and specifications for the project that were included in the bid documents and the 2024 Oregon Standard Specifications for Construction, issued by the Oregon Department of Transportation, as modified by the City's Amendments to the Specifications for the Project and any other Supplemental Specifications and Special Provisions included in the Bid Documents (all specifications, plans, Standard Drawings, Supplemental Specifications and Special Provisions included in the Contract are collectively referred to herein as the "Specifications") which form a part of the Contract.

## AGREEMENT

- 1. The Contract.** The Contract between the City and Contractor (the "Contract") includes this Document and its exhibits, together with all of the documents and materials included in the definition of the "Contract Documents" in 00110.20 of the Specifications. In addition, the Contract between the City and Contractor shall be deemed to incorporate all reports, records, laws, rules and orders referenced in the Contract documents.

This Document includes and incorporates the following Exhibits:  
Exhibit A - Solicitation Documents.

- 2. Definitions.** Unless otherwise specifically defined in this Document, all capitalized terms which are not proper nouns shall have the meanings assigned thereto in the Specifications.
- 3. Project.** The project is generally described as:

[Add project description here]

- 4. Work to be Performed.** Contractor agrees to furnish all services, labor, materials and equipment for and to construct the improvement listed above (the "Project"), according to the Bid Documents ("the Work") and according to the provisions of the Contract. All parts of the Work are the sole responsibility of Contractor.
- 5. Time of Commencement and Completion.** Time is of the Essence of the Contract. The time in which Contractor shall commence, prosecute and complete the Work is described in Section 00180 of the Specifications.
- 6. Contract Amount.** The Contract Amount is \$   and consists of unit prices bid by Contractor multiplied by estimated quantities, together with lump sum amounts for portions of the Work, as described on Contractor's Bid attached hereto. The actual sum payable to Contractor for the Work shall be based on lump sum amounts and actual quantities, as modified by Change Orders and adjustments made in accordance with the Specifications. Payment will be made as provided in the Specifications.
- 7. Indemnification and Hold Harmless.** To the fullest extent permitted by law, Contractor shall indemnify, defend (with counsel approved by City) and hold harmless the parties as described in 00170.72 of the Specifications.
- 8. Insurance.** Contractor shall maintain in force for the duration of the Contract the insurance coverages specified in 00170.70 of the Specifications. Each policy required by these provisions shall be written as a primary policy, not contributing with or in excess of any coverage which City may carry. Unless otherwise specified, each policy shall be written on an "occurrence" form with an admitted insurance carrier licensed to do business in the state of Oregon. In the event the statutory limit of liability of a public body for claims arising out of a single accident or occurrence is increased above the combined single limit coverage requirements specified below, City shall have the right to require Contractor to increase Contractor's coverages by the amount of the statutory limit increase for such claims and to increase the aggregate coverage by an amount that is

twice as large as the statutory increase. The adequacy of all insurance required under the Contract shall be subject to approval by City's Risk Manager. Failure to maintain any insurance coverage required by the Contract shall be cause for immediate termination of the Contract by City.

**8.1.Evidence of Insurance Coverage.** Evidence of the required insurance coverages issued by an insurance company satisfactory to the City shall be provided to the City by way of a City approved certificate of insurance before any work or services commence.

**8.2.Notice of Cancellation or Material Change in Coverage.** The certificate of insurance shall contain a requirement that the Insurance company notify the City 30 days prior to any cancellation or material change in coverage. If the approved insurance company will not provide this 30 day notice, the Contractor shall provide written notice to the City contract manager within two days after the Contractor becomes aware that their coverage has been canceled or has been materially changed. The Contractor shall either fax 541-726-3782 said notice or email it directly to City Finance Department at purchasing@springfield-or.gov. Regardless of what circumstances cause Contractor's insurance coverage to cease or be modified, it is the Contractor's responsibility to notify the City. Failure to maintain proper insurance or provide notice of cancellation or modification shall be grounds for immediate termination of this contract.

**9. Performance and Payment Bonds.** Prior to the commencement of the Work, Contractor shall provide good and sufficient performance and payment bonds as described in 00130.40 of the Specifications for approval by City and in the form of the bonds included in the Solicitation Documents.

**10.Termination and Suspension.** City may terminate the Contract or suspend the Work at any time as provided in 00180 of the Specifications.

**11.Nonresident Contractors.**

**11.1.** When a public contract is awarded to a nonresident bidder and the contract price exceeds \$10,000, the bidder shall promptly report to the Department of Revenue on forms to be provided by the department the total contract price, terms of payment, length of contract and such other information as the department may require before the bidder may receive final payment on the public contract. The contracting agency shall satisfy itself that the requirement of this subsection has been complied with before the contracting agency issues a final payment on a public contract.

**11.2.** As used in this paragraph, "nonresident contractor" means a contractor that: (A) has not paid unemployment taxes or income taxes in the state of Oregon during the 12 calendar months immediately preceding submission of the bid for the contract, (B) does not have a business address in this state and (C) stated in the bid for the contract that it was not a "resident bidder" under ORS 279A.120.

**12.Default; Remedies.** Upon Contractor's default or if in the public interest, City may terminate the Contract and take all other remedial actions available to City, as further specified in the 00180.90 of the Specifications. Without limiting the City's right to

disqualify Contractor pursuant to ORS279C.440, if Contractor willfully violates any of the provisions of sections EC 4.615 to 4.650 of The Eugene Code, 1971 or any of the provisions of State law or City's administrative rules governing public contracts, or if Contractor knowingly files false affidavits or certificates of compliance required under the Contract, Contractor shall waive for a period of one year any right to bid upon any public improvement project let by City. City's claims for damages and any other equitable relief available to City resulting from Contractor's breach shall survive a termination of the Contract.

**13. Liquidated Damages.** In the event the Work is not completed within the contract time as specified in the Contract, Contractor shall pay to City liquidated damages, as further specified in 00180.85 of the Specifications. [Note to City staff – must determine amounts in Special Provisions for each contract or omit this language.]

**14. Notices.** Any written notices permitted or required by the Contract shall be delivered according to 00150.30 of the Specifications to the attention of the representatives of the parties set for below, or such other address and/or numbers as either party may provide to the other by notice given in accordance with this provision.

Contractor: [Add contractor name, address, phone, fax or email]

City: [City staff name and email, address, phone number]

**15. Contract Documents; Interpretation.** Where possible, all parts of the Contract shall be interpreted in a manner that avoids conflict between the various documents and their provisions. In the event that any provision of this Document conflicts with any provision of the Specifications, the discrepancy will be resolved in the order of precedence in 00150.10 of the Specifications.

**16. Dispute Resolution.** All disagreements, protests, and claims relating to the Contract, including claims for additional compensation and time for performance and completion of the Work, must be resolved according to section 00199 of the Specifications.

**17. Venue & Choice of Law.** The Contract shall be governed by and interpreted in accordance with the laws of the State of Oregon without regard to principles of conflict of laws. If federal funding is included in the Contract, applicable Federal requirements govern in the event of conflicts among Federal, State and local laws. Any dispute between the Agency and the Contractor that arises from or relates to this Contract and is not resolved under the provisions of 00199 of the Specifications, shall be brought in the forum described in 00170.00.

**18. Force Majeure.** If Contractor is delayed by reason of weather, fire, riot, strikes, acts of God or other circumstances beyond Contractor's reasonable control, City may terminate this Agreement in writing to Contractor after determining such delay or default will unreasonably prevent successful performance of the Contract. If City elects not to terminate the Contract, Contractor will be entitled to additional time to complete the Contract equal to that lost by an or all of the above causes.

**19. Severability.** If any provision of this Agreement is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions will not be



affected; the rights and obligations of the parties will be construed and enforced as if the Agreement did not contain the particular provision held to be invalid.

**20. Waiver.** Failure of City to enforce any provision of this Agreement shall not constitute a waiver or relinquishment by City of the right to such performance in the future nor of the right to enforce any other provision of this Agreement.

**21. Amendments.** The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, without prior written approval of City. No modification of this Agreement shall bind either party unless reduced to writing and subscribed by both parties, or ordered by a Court.

**22. Assignment/Subcontract.** Contractor shall not assign, sell, transfer, subcontract or sublet rights, or delegate responsibilities under this Agreement, in whole or in part, without the prior written approval of City. No such written approval shall relieve Contractor of any obligations of this Agreement, and any transferee or subcontractor shall be considered the agent of Contractor. Contractor shall remain liable as between the original parties to this Agreement as if no such assignment had occurred.

**23. Compliance with All Government Regulations.** Contractor shall comply with all Federal, State and local laws, codes, regulations and ordinances applicable to the work performed under this Agreement. Failure to comply with such requirements shall constitute a breach of contract and shall be grounds for termination of this Agreement. Damages or costs resulting from noncompliance shall be the sole responsibility of Contractor. This section includes, but is not limited to, compliance with all applicable requirements of Federal and State civil rights statutes, rules, and regulations, and all applicable provisions of the Americans with Disabilities Act of 1990, 42 USC Section 12101 et seq. and Section 504 of the Rehabilitation Act of 1973.

**24. Construction of Agreement.** This Contract shall not be construed more favorably to City due to the preparation of this Contract by City. The headings and subheadings in this Contract are for convenience, do not form a part of this Contract, and shall not be used in construing this Contract.

**25. Entire Agreement.** This Agreement signed by both parties is the parties' final and entire Agreement and supersedes all prior and contemporaneous oral or written communications between the parties, their agents and representatives. There are no representations, promises, terms, conditions or obligations other than those contained herein.

**26. Third Party Beneficiaries.** The parties to the Contract do not intend to confer on any third party any rights under the Contract, except as otherwise described in 00170.79 of the Specifications. All Subcontractors are third parties.

**27. Survival.** Any obligation arising under the Contract which is not, or cannot be performed or paid prior to the expiration or termination of the Contract, including, but not limited to, all provisions concerning the quality of the Work, warranties and obligations for payment, indemnification, and reimbursement, shall survive termination or expiration of the Contract.

CITY OF SPRINGFIELD:

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR:

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_  
\_\_\_\_\_

SAMPLE

**City of Springfield Public Contract Addendum  
Required Contract Terms Under ORS 279B – Goods, Services, and Personal Services**

**Pursuant to Oregon law, this public contract includes the following terms and conditions, when applicable:**

1. The contractor must make payment promptly, as due, to all persons supplying to the contractor labor or material for the performance of the work provided for in the contract. ORS 279B.220(1).
2. The contractor must pay all contributions or amounts due the Industrial Accident Fund from the contractor or subcontractor incurred in the performance of the contract. ORS 279B.220(2).
3. That contractor must not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished. ORS 279B.220(3).
4. The contractor must pay to the Department of Revenue all sums withheld from employees under ORS 316.167. ORS 279B.220(4).
5. If the agreement is for lawn and landscape maintenance, Contractor must salvage, recycle, compost or mulch yard waste material at an approved site, if feasible and cost-effective. ORS 279B.225.
6. The contractor must promptly, as due, make payment to any person, co-partnership, association or corporation furnishing medical, surgical and hospital care services or other needed care and attention, incident to sickness or injury, to the employees of the contractor, of all sums that the contractor agrees to pay for the services and all moneys and sums that the contractor collected or deducted from the wages of employees under any law, contract or agreement for the purpose of providing or paying for the services. All employers shall comply with ORS 656.017. ORS 279B.230.
7. A person may not be employed for more than 10 hours in any one day, or 40 hours in any one week, except in cases of necessity, emergency or when the public policy absolutely requires it, and in such cases, except in cases of contracts for personal services designated under ORS 279A.055, the employee shall be paid at least time and a half pay:
  - a. For all overtime in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days; or
  - b. For all overtime in excess of 10 hours in any one day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
  - c. For all work performed on Saturday and on any legal holiday specified in ORS 279B.020.
8. An employer must give notice in writing to employees who work on a public contract, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week that the employees may be required to work. ORS 279B.235(1)-(2).
9. If the agreement is for personal services, the contract shall contain a provision that the employee shall be paid at least time and a half for all overtime worked in excess of 40 hours in any one week, except for individuals under personal services contracts who are excluded under ORS 653.010 to 653.261 or under 29 U.S.C. 201-209 from receiving overtime. ORS 279B.235(3).
10. If the contract is for services, persons employed under contracts shall receive at least time and half pay for work performed on the legal holidays specified in a collective bargaining agreement or in ORS 279B.020(1)(b)(B)-(G) and for all time worked in excess of 10 hours in any one day or in excess of 40 hours in any one week, whichever is greater. Contractor shall give notice in writing to employees who work on a contract for services, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number hours per day and days per week that the employees may be required to work. ORS 279B.235(5).

## PREVAILING WAGE RATE INFORMATION

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Prevailing Wage Rates information can be found at the following website:

[BOLI : Prevailing Wage Rates : For Employers : State of Oregon](#)

For the proper Prevailing Wage Rates applicable to this project, please refer to the following publications:

- 1) *Prevailing Wage Rate Publication; Prevailing Wage Rates for Public Works Contracts in Oregon, effective April 5<sup>th</sup>, 2024.*
  - a. *Apprentice Rates updated, April 5<sup>th</sup>, 2024; [Rate Information Tracker.xlsxm \(oregon.gov\)](#)*

*Effective January 1, 2023, Senate Bill 588 removes the exemption of sick time for employees covered by a collective bargaining agreement. You can find a list of frequently-asked-questions at BOLI's website:*

*<https://www.oregon.gov/boli/employers/Documents/FAQ%20for%20SB%20588.pdf>. For any questions regarding sick time, please contact BOLI's Employer Assistance Program at 971-361-8400 or [employer.assistance@boli.oregon.gov](mailto:employer.assistance@boli.oregon.gov).*

*If you have prevailing wage rate questions, please contact the Wage and Hour Division's Prevailing WageRate Unit at 971-245-3844, Option 2, or [PWR.Email@boli.oregon.gov](mailto:PWR.Email@boli.oregon.gov).*



CITY OF SPRINGFIELD DEVELOPMENT AND PUBLIC WORKS

SPECIAL PROVISIONS

FOR

P21192

2024 Maintenance Hole Rehabilitation

PROFESSIONAL OF RECORD CERTIFICATION



I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for temporary features, roadwork, drainage, bases, wearing surfaces and right of way development. Modified Special Provisions were prepared by me or under my supervision.

Sections 00210, 00280, 00490

EXP DATE: 06-30-2025



CITY OF SPRINGFIELD DEVELOPMENT AND PUBLIC WORKS

SPECIAL PROVISIONS

FOR

P21192

2024 Maintenance Hole Rehabilitation

PROFESSIONAL OF RECORD CERTIFICATION

	<p>I certify the Special Provision Section(s) below are applicable to the design for the subject project for temporary traffic control. Modified Special Provisions were prepared by me or the under my supervision.</p>
<p>EXP DATE: 12-31-2025</p>	<p>Sections 00220, 00221, 00222, 00224, 00228</p>

**SPECIAL PROVISIONS**

**SECTION B – Scope of Work**

**P21192 – 2024 Maintenance Hole Rehabilitation**

**B1. GENERAL**

**B 1.1 Project Description**

Work consists of 22 minor adjustment of maintenance holes at various locations in Springfield. Construction activities involves saw-cutting around existing maintenance holes, removal of existing pavement, replacing maintenance hole frame and lid, and resetting frame and lid in new early-strength concrete to match existing road grade to create a smooth travel surface. The other main component of this project is temporary traffic control. Maintenance hole adjustments on Main Street will be permitted through ODOT via miscellaneous permit obtained by the City of Springfield. Main Street is heavily trafficked, with bus stops adjacent to multiple proposed work zones. Using early-strength concrete mix design will benefit temporary traffic control as it is traffic-ready in less time than conventional concrete.

**B1.2 Cooperation with Utilities**

**Utility Information (No Anticipated Relocations)** – The Contractor shall contact those Utilities having buried facilities and request that they locate and mark them for their protection before construction.

<b>Utility</b>	<b>Contact's Name Address Email Phone Number</b>
Comcast	Gabriel Norbury 2871 Chad Drive Eugene, OR 97408 <a href="mailto:Gabriel.Norbury@cable.comcast.com">Gabriel.Norbury@cable.comcast.com</a> 541-731-1498
SUB Electric	Dan Norland 1001 Main St Springfield, OR 97477 <a href="mailto:DanN@subutil.com">DanN@subutil.com</a> 541-744-3784
Lumen	Luke Pilon 1762 W 2 <sup>nd</sup> Ave Eugene, OR 97402 <a href="mailto:Luke.Pilon@lumen.com">Luke.Pilon@lumen.com</a> 458-221-7430
NW Natural	Monte Brown 790 Goodpasture Island Rd Eugene, OR 97402 <a href="mailto:Monte.Brown@nwnatural.com">Monte.Brown@nwnatural.com</a> 541-954-1255
SUB Water	Keoki Lapina 202 South 18 <sup>th</sup> St Springfield, OR 97477 <a href="mailto:KeokiL@subutil.com">KeokiL@subutil.com</a> 541-736-3291

The Contractor shall notify, in writing, the Utilities listed above, with a copy to the Engineer, at least 14 Calendar Days before beginning Work of the Project.

## **NW Natural**

NW Natural requires all construction at or near high pressure lines to have an on-site safety watcher at no cost to the Contractor. Contact NW Natural to request an on-site safety watcher at least 48 hours prior to construction.

In the event of an emergency, and in addition to the calls required by the Utilities notification system, the Contractor shall call:

- Northwest Natural Gas 1-800-882-3377

## **SUB Electric**

Contact SUB Electric Operations at 541-744-3784 at least 72 hours prior to any work or equipment encroaching within 20 feet of electrical lines. At certain locations, power, light, and telephone poles may interfere with excavation and operation of the Contractor's equipment. Coordinate with SUB Electric Operations 72 hours prior about supporting poles. The cost to support poles will be paid by the City of Springfield and shall not be included in the Contractor's cost.

## **Lumen**

Contact Lumen at 458-221-7430 at least 72 hours prior to any work or equipment encroaching within 10' of communication lines.

## **SUB Water**

Contact SUB Water Operations at 541-736-3291 at least 10 days prior to beginning work within 10 feet of **all** water facilities. SUB Water requires all construction at or near 12" or larger waterlines to have an on-site safety watcher at no cost to the Contractor. Contact SUB Water to request an on-site safety watcher at least 48 hours prior to construction. SUB Water also requires light compaction/no vibratory compaction within 2 feet directly above SUB water facilities. Waterline facilities are shallow, proceed with caution and direction from on-site watcher.

### **B1.3 Construction Zone Work Hours**

Unless otherwise directed by the Engineer, normal construction work zones with active project operations are to be conducted Monday through Friday. Work outside the hours of 7:00 a.m. to 5:00 p.m. is not permitted unless the City Engineer or designee gives approval. Work zones shown in the E sheets of the plan set indicate which are restricted to night work only per ODOT permit.

### **B 1.4 Record Drawings**

Contractor shall maintain at the site one set of specifications, full size drawings, shop drawings, equipment drawings and supplemental drawings which shall be corrected as the work progresses to show all changes made, Drawings shall be available for inspection by the Engineer. Upon completion of the contract and prior to final payment, specifications and drawings shall be turned over to the Engineer.

### **B 1.5 Competent Person Designation**



Contractor shall designate a qualified and experienced "competent person" at the site whose duties and responsibilities shall include enforcement of Oregon - OSHA regulations regarding excavations, the prevention of accidents, and the maintenance and supervision of construction site safety precautions and programs.

### **B 1.6 Vehicle Parking**

The vehicles of the Contractor's and subcontractors' employees shall be parked in accordance with local parking ordinances.

### **B 1.7 Survey Services**

Comply with Section 00150.15 ODOT Standard Specifications for Construction with Springfield specific revisions.

Construction Stakes, Lines, and Grades:

(a) General - The Contractor shall perform no work until the Engineer establishes field controls. Work performed without field controls will be subject to removal at the Contractor's expense.

(b) Agency Responsibilities - The Engineer will:

- Lay out and set construction stakes and marks to establish the lines, grades, Slopes, Cross Sections, and curve super-elevations for roadwork;
- Provide **one set** of construction stakes for line and grade for each additional phase of the Work as follows:
  1. Streets – Top face of curb.
  2. Alleys – Finish grade in the invert of the alley.
  3. Sidewalks – Finish grade nearest the back of walk.
  4. Pipes – Invert elevation at centerline of the pipe.
  5. Access Ramps – Finish grade at grade breaks.
  6. Manhole/Inlets/Catch Basins – Location and one invert elevation.
- The Agency will replace survey monuments disturbed during construction that have not been noted in the Plans to be protected.
- Set bench-marks and stakes for centerline of Bridges and bents;
- Calculate and provide finish deck grades; and deduct from payments due the Contractor all costs incurred to replace stakes and marks negligently or intentionally damaged, removed, or destroyed by the Contractor.

(c) Contractor Responsibilities - The Contractor shall:

- Inform the Engineer of staking requirements at least 5 Calendar Days before the staking needs to begin;
- Coordinate construction to provide sufficient area for the Engineer to perform surveying work efficiently and safely;
- Accurately measure detailed dimensions, elevations, and slopes from the Engineer's stakes and marks;
- Perform the work in such a manner as to preserve stakes and marks, as the Agency will not set construction stakes and marks a second time;
- Set any reference lines for automatic control from the control stakes provided by the Engineer; and
- Inform the Engineer of any property corners monuments and/or survey markers that are not shown on the plans and are found during construction activities prior to disturbing the monuments. Allow the Agency two (2) workdays for referencing all found markers before they are removed. Monuments that are noted on the plans to be protected and are disturbed by the Contractor's activities shall be replaced by the Contractor's surveyor at the Contractor's expense.

## **B1.8 Prosecution and Progress - Project Work Schedules**

Before starting work, the Contractor shall submit for written approval a proposed construction schedule to the Engineer. If it is desirable to carry on operations in more than one location simultaneously, a schedule shall be submitted for each location two weeks in advance of beginning such operations. The schedule must provide that one lane of traffic in each direction is always open. If the Contractor's proposed construction schedule does not meet the necessary construction program schedule as determined by the City, the Contractor shall resubmit a schedule that conforms as approved.

The schedule shall show the proposed order of work and indicate the time required for completion of the major items of work. This working schedule shall take in to account the passage or handling of traffic with the least practicable interference therewith and the orderly, timely and efficient prosecution of work. It will also be used as an indication of the sequence of the major construction operations and as a check on the progress of work.

The Contractor shall provide weekly progress schedules of expected project activities. The progress schedules shall indicate the Contractor's plan of work in sufficient detail to enable both the Contractor and the Engineer to plan, coordinate, appraise, document, and control their respective Contract responsibilities. The schedule of work, and the work forces and equipment supplied by the Contractor, shall be adjusted adequately to allow for the completion of the contract work by the stated contract completion date. Any work done without notification to the Engineer is subject to rejection.

## **SECTION 00210 - MOBILIZATION**

Comply with Section 00210 of the 2024 Oregon Standard Specifications for Construction.

## **Section 00220 – ACCOMMODATIONS FOR PUBLIC TRAFFIC**

Comply with Section 00220 of the 2024 Oregon Standard Specifications for Construction modified as follows:

Add the following subsections:

**00220.03 (c) Public Notice** – The Contractor will need to provide written communication to all properties adjacent to the work minimum of 5 Calendar Days before work begins. Any notifications and communications the Contractor intends to send to neighboring properties need to be reviewed and approved by the City of Springfield, Contract Analyst, Mariah Kimpton (Mkimpton@springfield-or.gov), five (5) days prior to distribution.

In addition, the Contractor will also need to provide the City of Springfield with all written notifications they intend to utilize for residents and businesses who will have their access interrupted by construction **a minimum of 48 hours before flyer distribution for review and approval.** Please send to Contract Analyst Mariah Kimpton (mkimpton@springfield-or.gov). The Contractor will need to coordinate all work activities with the Lane Transit District, Eugene-Springfield Fire and Life Safety, Springfield Police Department, local sanitation services, Springfield Public School District, and USPS when applicable.

**00220.03(d) Bus Stops** – Notify LTD in writing, with a copy to the Engineer, a minimum of 7 Calendar Days before performing any Work that requires closing or relocating an LTD bus stop.

Rebecca Bailey  
LTD Operations Supervisor  
[Rebecca.Bailey@ltd.org](mailto:Rebecca.Bailey@ltd.org)

## **SECTION 00221 – COMMON PROVISIONS FOR WORK ZONE TRAFFIC CONTROL**

Comply with Section 00221 of the 2024 Oregon Standard Specifications for Construction modified as follows:

### **00221.06 (b) Contractor Modified Traffic Control Plan**

In the sentence that begins "If the Contractor requests to use a modified Agency TCP..." delete "according to 00150.36".

Add the following:

Contractor may propose a Traffic Control Plan (TCP) different than that provided with the plans. Incorporate all appropriate standards from the latest editions of Manual of Uniform Traffic Control Devices (MUTCD) and ODOT's Oregon Temporary Traffic Control Handbook. The Contractor's proposed Traffic Control Plans shall be produced and stamped by a registered professional engineer licensed by the State of Oregon and/or submitted for use from ODOT's effective, approved, and relevant standard Traffic Control Plans. Contractor supplied TCP shall be submitted two weeks prior to implementation and approved by the City of Springfield. Allow 5 workdays for the City's Engineer to review and return the drawings. Drawings which are not approved shall be corrected and resubmitted for review. Allow 5 workdays for the Engineer to review drawings each time they are resubmitted.

Add the following:

All Traffic Control costs shall be paid to the Contractor under Bid Item 110. Any additional Traffic Control (including development of a new Traffic Control Plan as well as the traffic control devices, flaggers, etc.) will be at the Contractor's expense and not charged to the project.

## **SECTION 00222 – TEMPORARY TRAFFIC CONTROL SIGNS**

Comply with Section 00222 of the 2024 Oregon Standard Specifications for Construction modified as follows:

### **00222.40(e) Temporary Sign Placement** - Add the following to the end of the bullet list:

- Before opening the TPAR, place TPAR signing and other TCM as shown, or as directed. Maintain the "SIDEWALK CLOSED, Full Time" (CW11-4) signs while the TPAR is open to pedestrian traffic.

## **SECTION 00224 - TEMPORARY TRAFFIC CHANNELIZING DEVICES**

Comply with Section 00224 of the 2024 Oregon Standard Specifications for Construction, modified as follows:

At the end of this section, add the following:

The Contractor will not be paid for damaged or stolen temporary traffic control devices.

## **SECTION 00228 - TEMPORARY PEDESTRIAN AND BICYCLIST ROUTING**

Comply with Section 00228 of the 2024 Oregon Standard Specifications for Construction modified as follows:

**00228.00 Scope** - Replace this subsection, except subsection number and title, with the following: In addition to the requirements of Section 00221, this Work consists of furnishing, installing, operating, maintaining, inspecting, and removing temporary devices for accommodating pedestrians and bicyclists through a work zone.

## **SECTION 00280 - EROSION AND SEDIMENT CONTROL**

Delete Section 00280 of the 2024 Oregon Standard Specifications for Construction in its entirety, except for the number and title, and replace it with the following:

### **00280.00 Scope**

Erosion Control shall be constructed as shown in the F sheets within the project plan set.

The Erosion Control Plan Sheets F01 and F02 meet City erosion and sediment control standards, therefore submission of an Erosion and Sediment Control Plan will not be required for this project. The Contractor shall utilize the information provided in F sheets, the specifications, and as directed by the Project Engineer, to implement erosion control measures.

### **00280.80 Measurement(a) Lump Sum Basis**

Measurement of Erosion Control, Bid Item 120, will be on a Lump Sum (LS) Basis.

### **00280.90 Payment**

Erosion Control, Bid Item 120, will be paid on a Lump Sum (LS) basis.

## **SECTION 00490—WORK ON EXSITING SEWERS AND STRUCTURES**

Comply with Section 00490 of the Oregon Standard Specifications for Construction modified as follows:

### **00490.46 Adjusting Manholes** - Add the following to this section:

**(f) Adjusting Manholes for Pavement** – Bid Item 130, Minor Adjustment of Manholes - surround area of asphalt shall be cut in a circle as shown in Springfield Standard Detail 4-1a unless there is an existing diamond cut. If the edges of the diamond cut are in good condition after excavation, concrete may be placed in the existing diamond cut or circle cut. If the edges or sides of the diamond cut are irregular, a new diamond shall be cut in the pavement as directed by the Engineer.

Manholes in Portland cement concrete pavement shall receive new diamond cuts. Place 12-inch long #4 reinforcing bar dowels 6 inches into the existing concrete pavement at 24 inches on center in the diamond cut. New rings and lids will be graded, and reinforced concrete surrounds will be placed as shown on Springfield Standard Detail 4-1a. Concrete for adjusting manholes shall be 4000-psi (minimum) rapid set concrete or other mix design approved by the Engineer. The Contractor shall furnish new frames and lids, and they shall be incidental to Bid Item 130

END OF SECTION



# AIA Document A310™ – 2010

## Bid Bond

**CONTRACTOR:**

(Name, legal status and address)

**SURETY:**

(Name, legal status and principal place of business)

**OWNER:**

(Name, legal status and address)

**BOND AMOUNT:****PROJECT:**

(Name, location or address, and Project number, if any)

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Principal)

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Surety)

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Title)

**CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.**

Init.

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061110





# Document A310™ – 2010 Instructions

## *Bid Bond*

### GENERAL INFORMATION

**Purpose.** AIA Document A310–2010 establishes the maximum penal amount that may be due the Owner if the Bidder fails to execute the contract and to provide the required performance and payment bonds, if any. It provides assurance that, if a bidder is offered a contract based on its tendered proposal but fails to enter into the contract, the Owner will be paid the difference in cost to award the contract to the next qualified bidder, so long as the difference does not exceed the maximum penal amount of the bond.

**Related Documents.** A310 is not incorporated by reference into other AIA documents. For further reference on bonding procedures, see AIA Document A701™–1997, Instructions to Bidders; and AIA Document G612™–2001, Owner's Instructions to Architect.

**Use of Non-AIA Forms.** AIA Document A310 may be used with any appropriate AIA or non-AIA document. CAUTION SHOULD BE EXERCISED BEFORE ITS USE TO VERIFY ITS COMPLIANCE WITH CURRENT LAWS AND REGULATIONS BY CONSULTING WITH AN ATTORNEY OR A BOND SPECIALIST.

### USING A310–2010

**Modifications.** Particularly with respect to professional or contractor licensing laws, bonding codes, taxes, monetary and interest charges, arbitration, indemnification, format and font size, AIA Contract Documents may require modification to comply with state or local laws. Users are encouraged to consult an attorney before completing or modifying a document.

In a purchased paper AIA Contract Document, necessary modifications may be accomplished by writing or typing the appropriate terms in the blank spaces provided on the document or by attaching Supplementary Conditions, special conditions or referenced amendments.

Modifications directly to purchased paper AIA Contract Documents may also be achieved by striking out language. However, care must be taken in making the kinds of deletions. Under NO circumstances should standard language be struck out to render it illegible. For example, users should not apply blocking tape, correction fluid or Xs that would completely obscure text. Such practices may raise suspicion of fraudulent concealment, or suggest that the completed and signed document has been tampered with. Both parties should initial handwritten changes.

Using AIA software, modifications to insert information and revise the standard AIA text may be made as the software permits.

By reviewing properly made modifications to a standard AIA Contract Document, parties familiar with that document can quickly understand the essence of the proposed relationship. Commercial exchanges are greatly simplified and expedited, good faith dealings encouraged, and otherwise latent clauses are exposed for scrutiny.

AIA Contract Documents may not be retyped or electronically scanned. Retyping can introduce typographic errors and cloud legal interpretation given to a standard clause. Furthermore, retyping and electronic scanning are not permitted under the user's limited license for use of the document, constitute the creation of a derivative work and violate the AIA's copyright.

**Identification of the Parties.** The Contractor, the Surety, and the Owner should be identified using their respective full names and addresses or legal titles under which the bond is to be executed. The state in which the Surety is incorporated also should be identified in the space provided.

**Bond Amount.** The dollar amount of the bond should be provided in both written and numerical form.

**Project Description.** The proposed project should be described in sufficient detail to identify (1) the official name or title of the facility; (2) the location of the site; (3) the proposed building type, size, scope or usage; and (4) the project number required by the owner, if any. A project number may be required by certain public owners to adequately identify the project to which the bond pertains.

**Execution of the Bond.** The bond must be signed by both the Contractor and the Surety. The parties executing (signing) the bond should print their title and impress their corporate seal, if any. Where appropriate, attach a copy of the resolution or bylaw authorizing the individual to act on behalf of the firm or entity. As to the Surety, this usually takes the form of a power of attorney issued by the Surety company to the bond producer (agent) who signs on its behalf.



# AIA Document A312™ – 2010

## Performance Bond

**CONTRACTOR:**

*(Name, legal status and address)*

**SURETY:**

*(Name, legal status and principal place of business)*

**OWNER:**

*(Name, legal status and address)*

**CONSTRUCTION CONTRACT**

Date:

Amount:

Description:

*(Name and location)*

**BOND**

Date:

*(Not earlier than Construction Contract Date)*

Amount:

Modifications to this Bond:  None  See Section 16

**CONTRACTOR AS PRINCIPAL**

Company: *(Corporate Seal)*

**SURETY**

Company: *(Corporate Seal)*

Signature: \_\_\_\_\_

Name  
and Title:

*(Any additional signatures appear on the last page of this Performance Bond.)*

Signature: \_\_\_\_\_

Name  
and Title:

*(FOR INFORMATION ONLY — Name, address and telephone)*

**AGENT or BROKER:**

**OWNER'S REPRESENTATIVE:**

*(Architect, Engineer or other party.)*

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Performance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.



§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

§ 2 If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Section 3.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond shall arise after

- .1 the Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice shall indicate whether the Owner is requesting a conference among the Owner, Contractor and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Section 3.1 shall be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;
- .2 the Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
- .3 the Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.

§ 4 Failure on the part of the Owner to comply with the notice requirement in Section 3.1 shall not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.

§ 5 When the Owner has satisfied the conditions of Section 3 the Surety shall promptly and at the Surety's expense take one of the following actions:

§ 5.1 Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;

§ 5.2 Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;

§ 5.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety company, to be identical to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Section 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or

§ 5.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

- .1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
- .2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

§ 6 If the Surety does not proceed as provided in Section 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Section 5.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.



§ 7 If the Surety elects to act under Section 5.1, 5.2 or 5.3, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety shall not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

- .1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
- .2 additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Section 5; and
- .3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.

§ 8 If the Surety elects to act under Section 5.1, 5.3 or 5.4, the Surety's liability is limited to the amount of this Bond.

§ 9 The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors and assigns.

§ 10 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 11 Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceases working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 12 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears.

§ 13 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision of this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

#### § 14 Definitions

§ 14.1 **Balance of the Contract Price.** The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

§ 14.2 **Construction Contract.** The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

§ 14.3 **Contractor Default.** Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

§ 14.4 **Owner Default.** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 14.5 **Contract Documents.** All the documents that comprise the agreement between the Owner and Contractor.

§ 15 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 16 Modifications to this bond are as follows:

REPRODUCTION

REPRODUCTION

SAMPLE

REPRODUCTION

*(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)*

**CONTRACTOR AS PRINCIPAL**

**SURETY**

Company:

*(Corporate Seal)*

Company:

*(Corporate Seal)*

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Address \_\_\_\_\_

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Address \_\_\_\_\_

**CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.**





# AIA Document A312™ – 2010

## Payment Bond

**CONTRACTOR:**

(Name, legal status and address)

**SURETY:**

(Name, legal status and principal place of business)

**OWNER:**

(Name, legal status and address)

**CONSTRUCTION CONTRACT**

Date:

Amount:

Description:

(Name and location)

**BOND**

Date:

(Not earlier than Construction Contract Date)

Amount:

Modifications to this Bond:  None  See Section 18

**CONTRACTOR AS PRINCIPAL**

Company: \_\_\_\_\_ (Corporate Seal)

**SURETY**

Company: \_\_\_\_\_ (Corporate Seal)

Signature: \_\_\_\_\_

Name and Title:

(Any additional signatures appear on the last page of this Payment Bond.)

Signature: \_\_\_\_\_

Name and Title:

(FOR INFORMATION ONLY — Name, address and telephone)

**AGENT or BROKER:****OWNER'S REPRESENTATIVE:**

(Architect, Engineer or other party:)

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Performance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.

REPRODUCTION SAMPLE REPRODUCTION

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner to pay for labor, materials and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.

§ 2 If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold harmless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 The Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

- .1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were or equipment was, furnished or supplied or for whom the labor was done or performed within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
- .2 have sent a Claim to the Surety (at the address described in Section 13).

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13).

§ 6 If a notice of non-payment required by Section 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1.1.

§ 7 When a Claimant has satisfied the conditions of Sections 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.



§ 10 The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to, or give notice on behalf of, Claimants or otherwise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

#### § 16 Definitions

§ 16.1 Claim. A written statement by the Claimant including a minimum:

1. the name of the Claimant;
2. the name of the person for whom the labor was done, or materials or equipment furnished;
3. a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
4. a brief description of the labor, materials or equipment furnished;
5. the date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
6. the total amount claimed by the Claimant for labor, materials or equipment furnished as of the date of the Claim;
7. the total amount of previous payments received by the Claimant; and
8. the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant. An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

§ 16.4 **Owner Default.** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 16.5 **Contract Documents.** All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

*(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)*

**CONTRACTOR AS PRINCIPAL**

Company:

*(Corporate Seal)*

**SURETY**

Company:

*(Corporate Seal)*

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Address \_\_\_\_\_

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Address \_\_\_\_\_

**CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.**



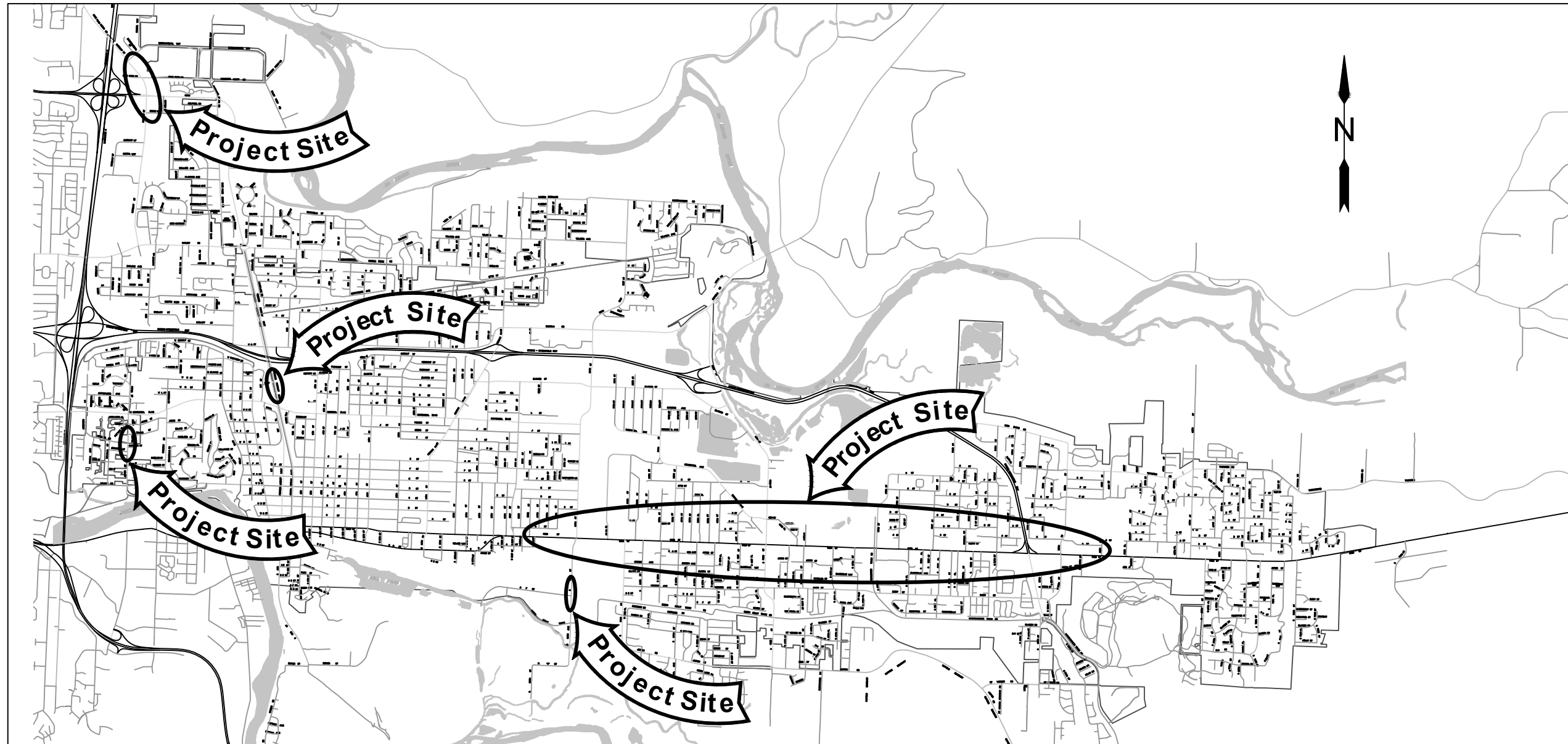
# CITY OF SPRINGFIELD

## DEVELOPMENT & PUBLIC WORKS

### Project P21192 2024 MAINTENANCE HOLE REHABILITATION

22 MAINTENANCE HOLE ADJUSTMENTS

#### PROJECT LOCATIONS



### SHEET INDEX

SHEET NO.	DESCRIPTION
A01-A04	TITLE, ABBR, LEGEND, MH INDEX, GEN CONST NOTES
C01-C11	GENERAL CONSTRUCTION DETAILS
E01-E19	TEMPORARY TRAFFIC CONTROL DETAILS
F01-F02	EROSION AND SEDIMENT CONTROL NOTES

### STANDARD DRAWINGS

DWG NO.	DESCRIPTION
4-1A	STANDARD MANHOLE FRAME & COVER ADJUSTMENT
RD360	MANHOLE FRAME ADJUSTMENT
RD1010	INLET PROTECTION
TM844	TEMPORARY PEDESTRIAN ACCESSIBLE ROUTES

No.	Revision/Issue	Date



Know what's below.  
Call before you dig.

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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

*City of Springfield*

**PUBLIC WORKS / ENGINEERING**  
225 FIFTH STREET, SPRINGFIELD, OR 97477  
PHONE (541) 726-3753 FAX (541) 726-3689  
INTERNET www.springfield-or.gov



EXP DATE: 06-30-2025





**TITLE SHEET**

NO SCALE	SHEET
DRAWN BY: B. JABUSCH	<b>A01</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	

# ABBREVIATIONS

AB	AGGREGATE BASE	DI	DUCTILE IRON	IN	INCH, INCHES	RCP	REINFORCED CONCRETE PIPE
ABAN	ABANDON(ED)	DIA	DIAMETER	INV	INVERT	RD	ROAD
ACP	ASPHALTIC CONCRETE PAVEMENT	DR	DRIVE	LAT	LATERAL	REINF	REINFORCE(D)(ING)(MENT)
AD	AREA DRAIN	DWG	DRAWING	LDAP	LAND DRAINAGE & ALTERATION PERMIT	REQ'D	REQUIRED
ADA	AMERICANS WITH DISABILITIES ACT	DWY	DRIVEWAY	LF	LINEAR FEET	RESTR	RESTRAINED
ADJ	ADJUST	EA	EACH	LP	LOW POINT	ROW	RIGHT-OF-WAY
AL	ALUMINUM	EC	END CURVE	LPR	LOW PRESSURE	RT	RIGHT
APPROX	APPROXIMATELY	EDOP	EDGE OF PAVEMENT	LT	LEFT	S/W	SIDEWALK
APPVD	APPROVED	EG	EXISTING GRADE	MATL(S)	MATERIALS	S	SLOPE
ARV	AIR RELEASE VALVE	EL	ELEVATION	MAX	MAXIMUM	SCHED	SCHEDULE
ASSY	ASSEMBLY	ELEC	ELECTRIC, ELECTRICAL	MFR(S)	MANUFACTURER(S)	SD	STORM DRAIN
ATB	ASPHALT TREATED BASE	EOP	END OF PROJECT	MH(S)	MAINTENANCE HOLE(S)	SDMH	STORM DRAIN MANHOLE
BC	BEGIN CURVE	EP	EDGE OF PAVEMENT	MHSS	MANHOLE SANITARY SEWER	SERV	SERVICE
BLDG	BUILDING	EQ	EQUAL	MIN	MINIMUM	SHT(S)	SHEET(S)
BM	BENCHMARK	EQUIP	EQUIPMENT	MISC	MISCELLANEOUS	SL	SLOPE
BO	BLOWOFF	ESC	EROSION AN SEDIMENT CONTROL	MJ	MECHANICAL JOINT	SPECS	SPECIFICATIONS
BOP	BEGINNING OF PROJECT	ESCP	EROSION AND SEDIMENTATION CONTROL PLAN	MON	MONUMENT	SQ	SQUARE
BTM	BOTTOM	ESMT	EASEMENT	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	SQFT	SQUARE FOOT, SQUARE FT
BVC	BEGIN VERTICAL CURVE	EVC	END VERTICAL CURVE	NO	NUMBER	SS	SANITARY SEWER
C/G	CURB & GUTTER	EX	EXISTING	NTS	NOT TO SCALE	SST	STAINLESS STEEL
CB	CATCH BASIN	EXCAV	EXCAVATION	OC	ON CENTER	ST	STREET
CCP	CONCRETE CULVERT PIPE	FAB	FABRICATE	OD	OUTSIDE DIAMETER	STA	STATION
CFFL	CURB FACE FLOW LINE	FD	FLOOR DRAIN	ODOT	OREGON DEPARTMENT OF TRANSPORTATION	STD	STANDARD
CI	CURB INLET	FH	FIRE HYDRANT	OTTCH	OREGON TEMPORARY TRAFFIC CONTROL HANDBOOK	STL	STEEL
CIP	CAST IN PLACE	FI	FIELD INLET	OVHD	OVERHEAD UTILITY	SUB	SPRINGFIELD UTILITY BOARD
CL	CENTER LINE	FIN GR	FINISHED GRADE	P	POWER	SW	SIDEWALK
CLS	CLASS	FL	FLOW LINE	P/L	PROPERTY LINE	TB	THRUST BLOCK
CO	CLEANOUT	FLG	FLOW LINE OF GUTTER	PC	POINT OF CURVATURE	TCP	TRAFFIC CONTROL PLAN
CONC	CONCRETE	FM	FORCE MAIN	PCC	PORTLAND CEMENT CONCRETE	TEL	TELEPHONE
CONST	CONSTRUCT, CONSTRUCTION	FT	FOOT, FEET	PERM	PERMANENT	TEMP	TEMPORARY
CONT	CONTINUOUS	FTG	FITTING	PI	POINT OF INTERSECTION	TFC	TOP FACE OF CURB
COP	COPPER	G	GAS	POLY	POLYETHYLENE	THK	THICK
COR	CORNER	GB	GRADE BREAK	PRC	POINT OF REVERSE CURVATURE	THRU	THROUGH
COS	CITY OF SPRINGFIELD	GALV	GALVANIZED	PRESS	PRESSURE	TV	TELEVISION
CPLG	COUPLING	GR	GRADE	PROP	PROPOSED	TYP	TYPICAL
CR	CRUSHED ROCK	GRVL	GRAVEL	PS	PUMP STATION	VERT	VERTICAL(LY)
CTB	CONCRETE TREATED BASE	GV	GATE VALVE	PT	POINT OF TANGENCY	W	WATER
CV	CHECK VALVE	HDPE	HIGH DENSITY POLYETHYLENE	PUGD	UNDERGROUND POWER	WM	WATER METER
CY	CUBIC YARD	HMAC	HOT MIX ASPHALT CONCRETE	PV	PLUG VALVE	VC	VERTICAL CURVE
D	DRAIN	HORIZ	HORIZONTAL	PVC	POLYVINYL CHLORIDE		
DET	DETAIL	HP	HIGH POINT	PVI	POINT OF VERTICAL INTERSECTION		
CV	CHECK VALVE	HPR	HIGH PRESSURE	PVMT	PAVEMENT		
CY	CUBIC YARD	HWY	HIGHWAY	R	RATE		
D	DRAIN	ID	INSIDE DIAMETER	RAD	RADIUS		
DET	DETAIL	IE	INVERT ELEVATION				

# LEGEND

- CURB INLET 
- PROJECT MAINTENANCE HOLE 
- NON-PROJECT MAINTENANCE HOLE 
- CATCH BASIN 

No.	Revision/Issue	Date



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## Project P21192 2024 MAINTENANCE HOLE REHABILITATION

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 225 FIFTH STREET, SPRINGFIELD, OR 97477  
 (503) 726-5939 FAX (503) 726-5889  
 INTERNET: www.springfield-or.gov

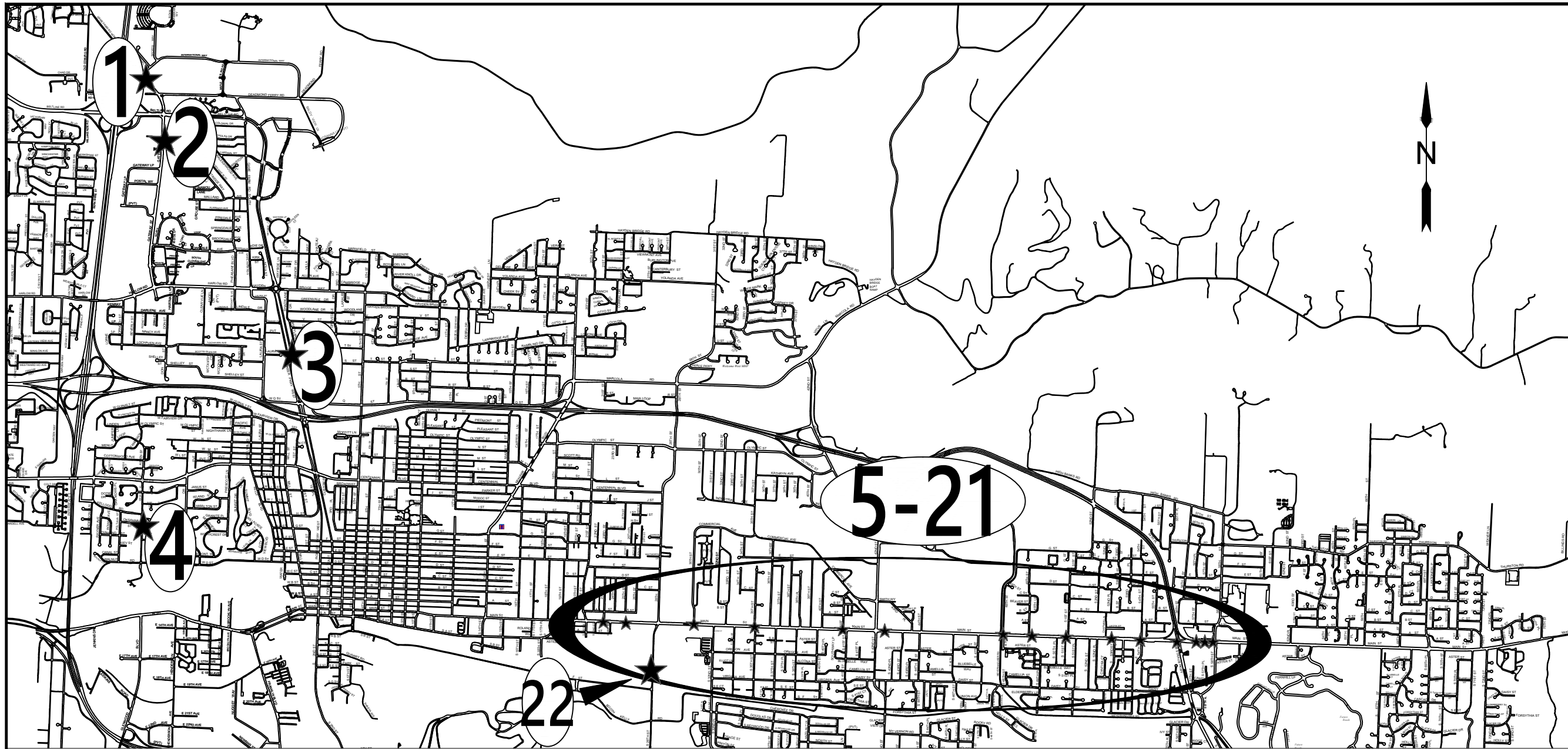



EXP DATE: 06-30-2025

### ABBREVIATIONS, LEGEND

NO SCALE	SHEET
DRAWN BY: B. JABUSCH	<b>A02</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	





No.	Revision/Issue	Date



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**Maintenance Hole Index**

List	MH Number	Construction/Traffic Control Sheet Number	Nearest Intersection	Service Type
1	51790	C01/E01	Gateway St & Game Farm Rd	STORM
2	53580	C01/E02	Gateway St & Kruse Way	STORM
3	50195	C02/E03	Pioneer Pkwy & Centennial Blvd	STORM
4	22855	C02/E04	Aspen St & Kellogg Rd	SANITARY
5	50844	C03/E05	N.23rd & Main St	STORM

6	50787	C03/E06	2422 Main St	STORM
7	51010	C04/E07	30th & Main St	STORM
8	22067	C04/E08	35th & Main St	SANITARY
9	51228	C05/E09	41st & Main St	STORM
10	21728	C05/E10	Smith Lp & Main St	SANITARY
11	24495	C06/E11	48th & Main St	SANITARY
12	24507	C06/E12	49th & Main St	SANITARY
13	24514	C07/E13	51st & Main St	SANITARY
14	23947	C07/E14	S 53rd & Main St	SANITARY

15	23948	C08/E14	S 53rd & Main St	SANITARY
16	51379	C08/E14	S 53rd & Main St	STORM
17	51386	C09/E15	54th & Main St	STORM
18	52010	C09/E16	Bob Straub Pkwy & Main St	STORM
19	51402	C10/E17	5705 Main St	STORM
20	51408	C10/E13	5721 Main St	STORM
21	51561	C11/E18	5755 Main St	STORM
22	22120	C11/E19	S 28th & S F St	SANITARY



EXP DATE: 06-30-2025

**MH INDEX**

NTS	SHEET
DRAWN BY: B. JABUSCH	<b>A03</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	

# GENERAL CONSTRUCTION NOTES:

- A. ALL MATERIALS AND WORKMANSHIP WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS SHALL MEET OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, AS SPECIFIED IN SECTION 'A' OF THE SPECIAL PROVISIONS IN ADDITION TO ALL OTHER SPECIFICATIONS REFERENCED OR INCLUDED, AND IN ADDITION TO THESE PLANS.
- B. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0100. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (800) 332-2344 OR 811.
- C. LOCATION AND/OR DEPTH OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. ALL UTILITIES MAY NOT APPEAR ON PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR UNDERGROUND LOCATION OF FACILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATING OR "POTHOLING". THE "ONE-CALL" NUMBER (800) 332-2344 OR 811.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH UTILITY COMPANIES ON THE TIMING OF INSTALLATION OF THEIR FACILITIES.
- E. ALL SANITARY AND STORM SEWER CONNECTIONS TO EXISTING CITY OWNED FACILITIES (PIPE, CATCH BASINS, MANHOLES, ETC.) SHALL BE INSPECTED BY THE CONTRACTOR AND THE CITY'S DEVELOPMENT AND PUBLIC WORKS OPERATIONS DEPARTMENT PRIOR TO HOOK UP. CONTACT OPERATIONS AT (541-726-3761) OR CITY CONSTRUCTION INSPECTOR NO LESS THAN 48 HOURS PRIOR TO DESIRED INSPECTION TIME.
- F. WHERE CONNECTING TO AN EXISTING PIPE. THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE AND ALLOW THE ENGINEER TO VERIFY EXACT LOCATION AND ELEVATION, CONDITION, AND POSITIVE FLOW BEFORE LAYING ANY NEW PIPE ON THAT SYSTEM.
- G. THE SEWER GRADE SHALL BE PER THE PLANS SPECIFICATIONS AND WITH THE MINIMUM COVER AS SHOWN ON THE PLANS
- H. THE CONTRACTOR SHALL INTERNALLY TELEVISION INSPECT THE SEWER AFTER ALL BACKFILL AND BEFORE THE FINAL LIFT OF ASPHALT PAVING. THE CONTRACTOR SHALL SUPPLY THE CITY WITH A WRITTEN T.V. REPORT AND VIDEO TAPE OR DVD FOR CITY APPROVAL AT LEAST 2 WORKING DAYS BEFORE THE PRE-PAVING MEETING.
- I. CONTRACTOR TO SCHEDULE A PRE-PAVING CONFERENCE 24 HOURS PRIOR TO PAVING. CONTACT THE CONSTRUCTION INSPECTOR.
- J. ALL JOINTS BETWEEN EXISTING and NEW ASPHALT PAVING SHALL BE SEALED WITH POLYMERIZED ASPHALT AND SANDED TO PREVENT PICK UP.
- K. COMPACTION REQUIREMENTS:
 

LAYER	RATE	TEST
SUBGRADE	95%	T99
CRUSHED ROCK	95%	T180
ASPHALT (LOCAL)	90%	RICE
ASPHALT (COLLECTOR/ARTERIAL)	92%	RICE
- L. CONCRETE COMPRESSIVE STRENGTH REQUIREMENTS (PSI):
 

CONCRETE USE	FIELD	LABORATORY
SIDEWALK/ADA RAMPS	3000	3450
CURBS/GUTTERS	3500	4025
DRIVEWAYS	3500	4025
PAVEMENT	4000	4600
- M. CONCRETE TESTING TO BE PERFORMED BY AND COORDINATED WITH LANE COUNTY. FOUR (4) SETS ON CONCRETE CYLINDERS WILL BE COLLECTED FOR EACH POUR AS DETERMINED BY THE ENGINEER. TYPICALLY, TESTING WILL BE PERFORMED TO DETERMINE THREE (3)-DAY, SEVEN (7)-DAY, AND 28-DAY COMPRESSIVE STRENGTH OF CONCRETE SAMPLES; SCHEDULE MAY BE ALTERED BY THE ENGINEER. TESTING TO BE PERFORMED PER APWA STANDARD SPECIFICATIONS.
- N. THIS PROJECT SHALL COMPLY WITH THE AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS SUCH AS INCORPORATION OF DESIGN CRITERIA FOR RAMPS, MAXIMUM PROFILE AND CROSS SECTION SLOPES FOR SIDEWALKS, UPGRADING EXISTING FACILITIES WHERE MAJOR CONSTRUCTION IS OCCURRING, AND BUILDING WARNING FOR OBJECTS IN SIDEWALK SUCH AS CURBING OR LANDSCAPING AROUND MAILBOXES.
- O. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPLICABLE PERMITS FROM OTHER AGENCIES WITH JURISDICTIONS SUCH AS LANE COUNTY, OREGON DEPARTMENT OF TRANSPORTATION, OREGON DIVISION OF STATE LANDS, THE ARMY CORPS OF ENGINEERS, OR THE DEPARTMENT OF ENVIRONMENTAL QUALITY.
- P. ALL IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON STRUCTURAL SPECIALTY CODE, PLUMBING SPECIALTY CODE, AND/OR CITY OF SPRINGFIELD BUILDING DIVISION REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPLICABLE PERMITS FROM OTHER CITY DEPARTMENTS PRIOR TO DOING PRIVATE WORK.
- Q. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. SEE EROSION CONTROL PLAN.
- R. STREET TREES: ONLY STREET TREES WITH A MINIMUM TRUNK CALIPER OF 2 IN. MEASURED 6 IN. ABOVE THE ROOT STEM SHALL BE SELECTED FOR PLANTING.
- S. A PRE-CONSTRUCTION CONFERENCE IS REQUIRED BEFORE START OF CONSTRUCTION. ALL UTILITIES, CONTRACTORS and CITY REPRESENTATIVES SHALL HAVE RECEIVED THE FINAL APPROVED PLANS AT LEAST 5 WORKING DAYS PRIOR TO THE PRE CONSTRUCTION CONFERENCE.
- T. THE ENGINEER AND/OR CITY HAVE THE RIGHT TO REQUIRE ADDITIONAL WORK NOT SHOWN HEREIN BUT NECESSARY FOR THE SUCCESSFUL COMPLETION OF THE PROJECT.
- U. REQUESTS BY THE CONTRACTOR FOR CHANGES SHALL BE APPROVED BY THE ENGINEER AND THE CITY IN WRITING PRIOR TO IMPLEMENTATION.
- V. THE CONTRACTOR SHALL VERIFY EACH EXISTING SANITARY AND STORM CONNECTION.

No.	Revision/Issue	Date



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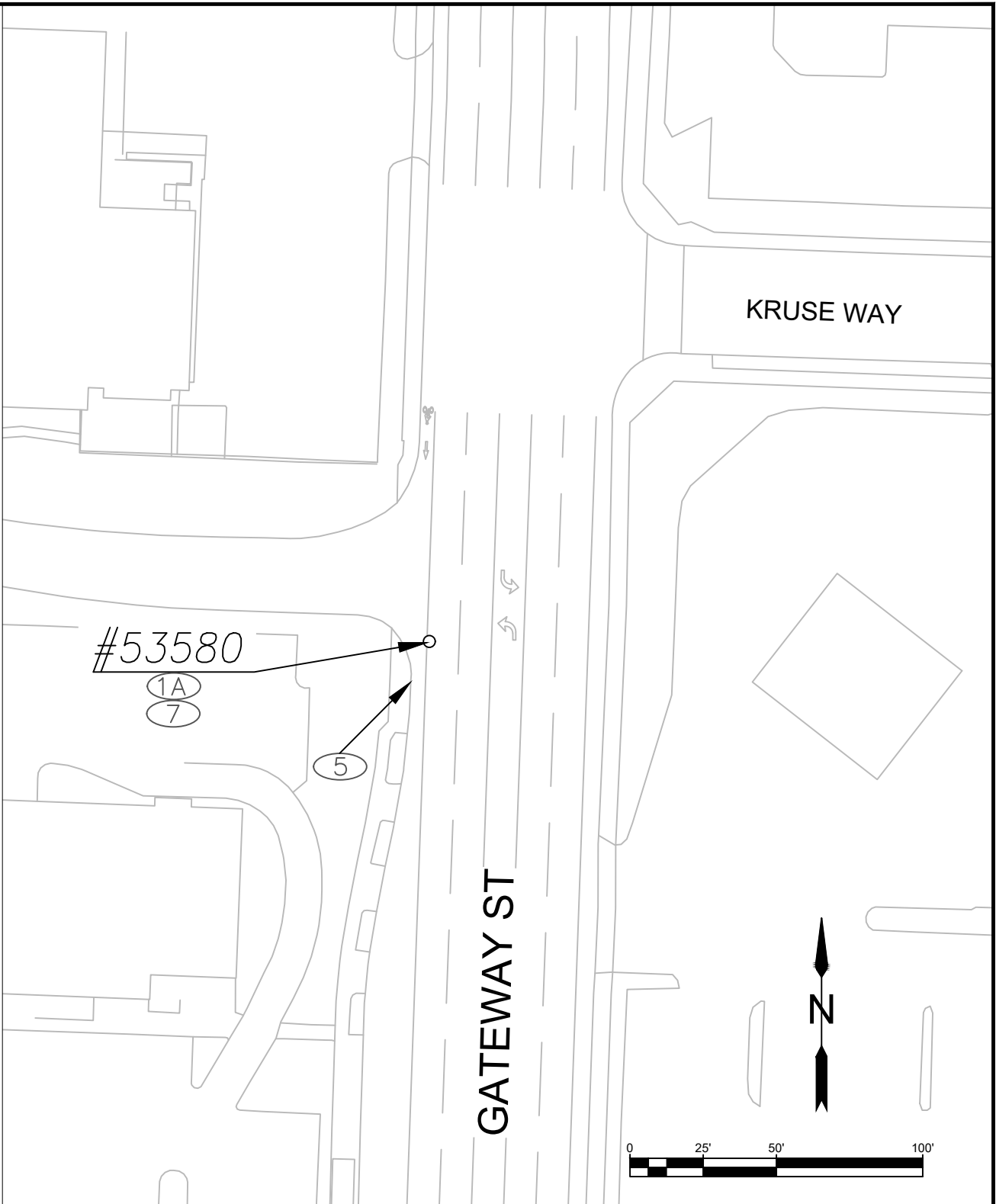
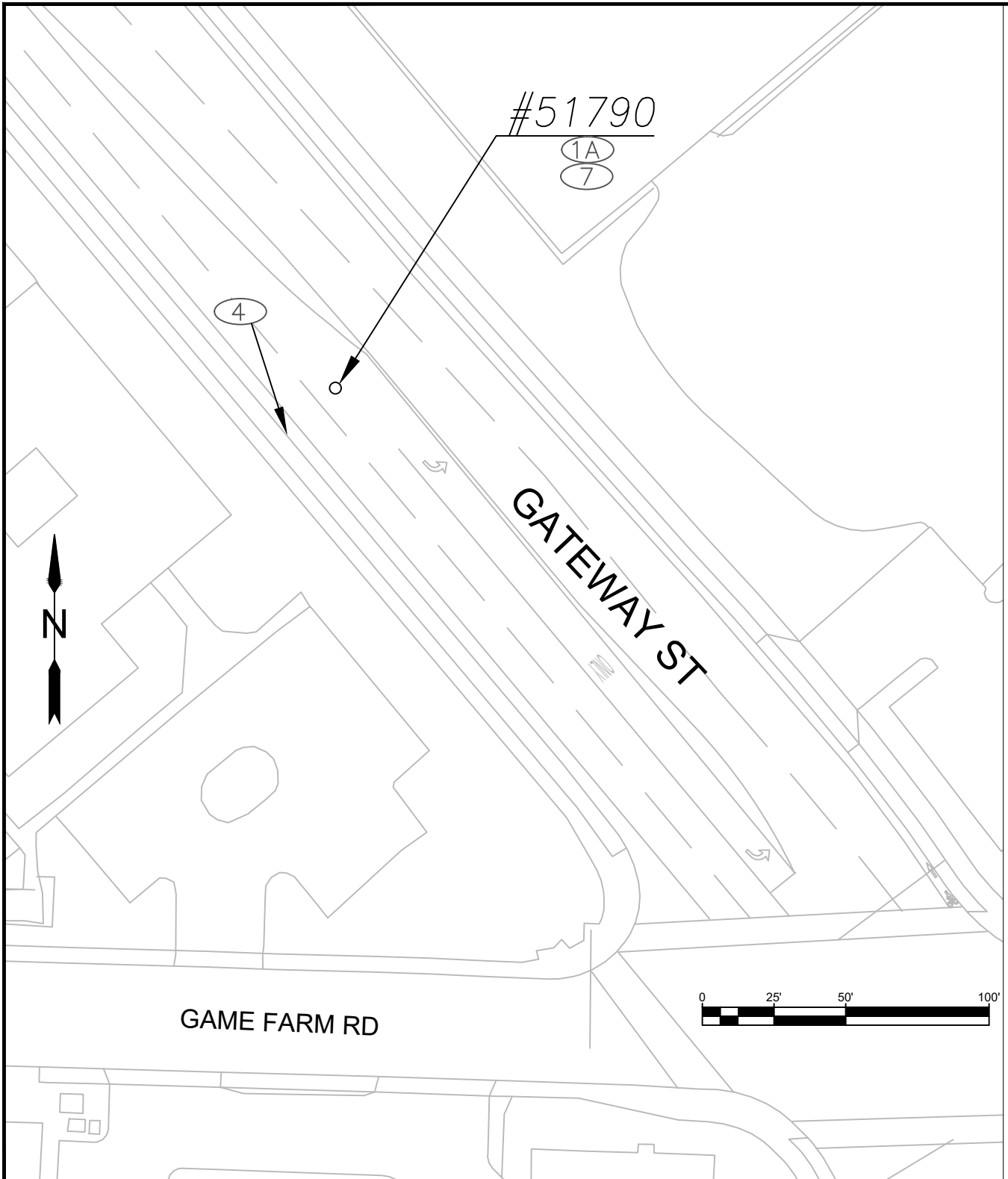


EXP DATE: 06-30-2025

**GEN. CONSTRUCTION NOTES**

NO SCALE  
DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: J. JONES

SHEET  
**A04**



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑤ CURB INLET PROTECTION – TYPE 10 SEDIMENT DAM – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST M.H. AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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PHONE (541) 726-3733 • FAX (541) 726-5885  
INTERNET www.springfield-or.gov



EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'

DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: J. JONES

SHEET  
**C01**





**CONSTRUCTION NOTES:**

- (1B) EXCAVATE SURROUNDING PAVEMENT – DIAMOND CUT
- (1C) EXCAVATE SURROUNDING PAVEMENT – CIRCLE CUT
- (5) CURB INLET PROTECTION – TYPE 10 SEDIMENT DAM – SEE STANDARD DRAWING RD1010
- (7) ADJUST M.H. AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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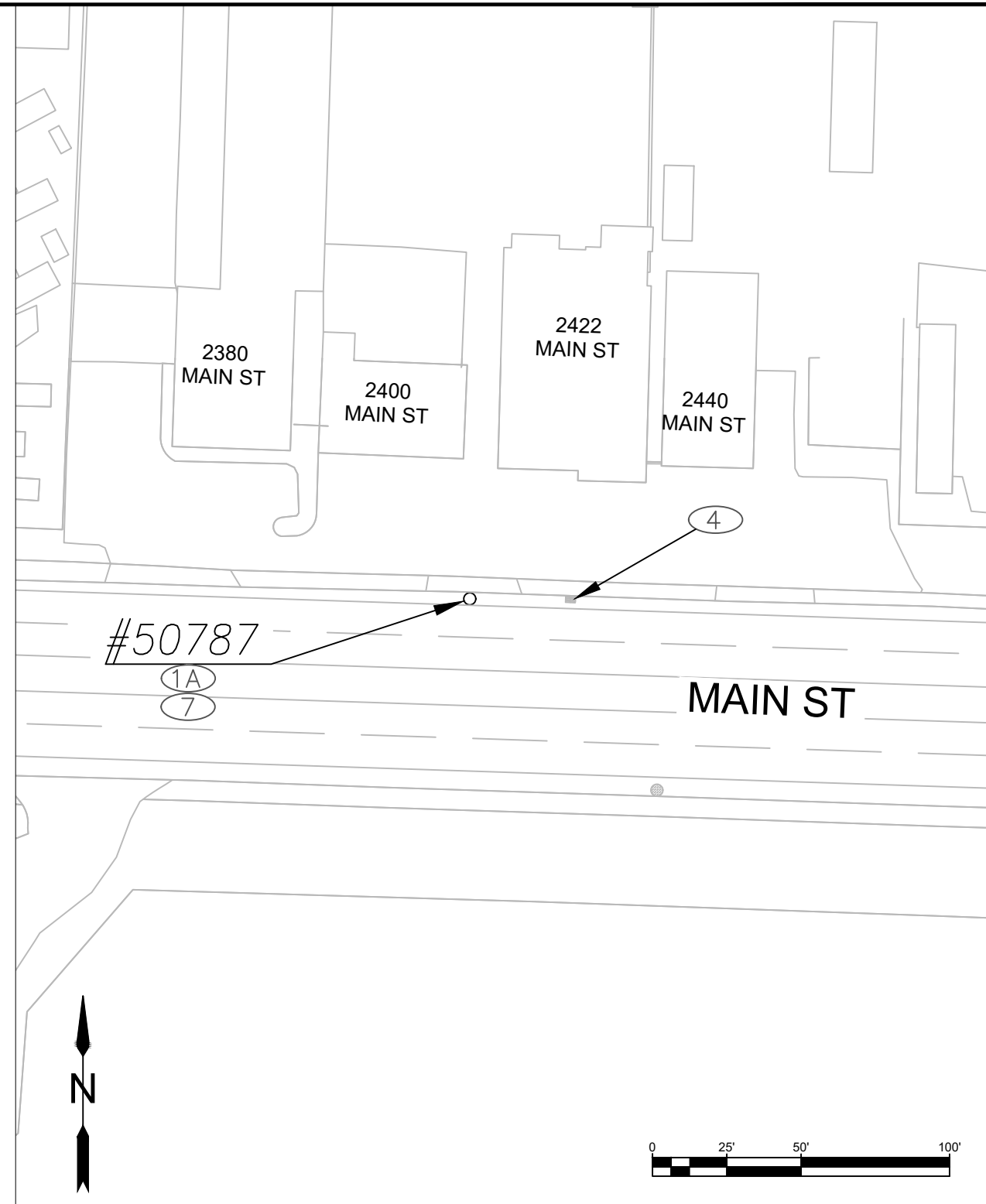
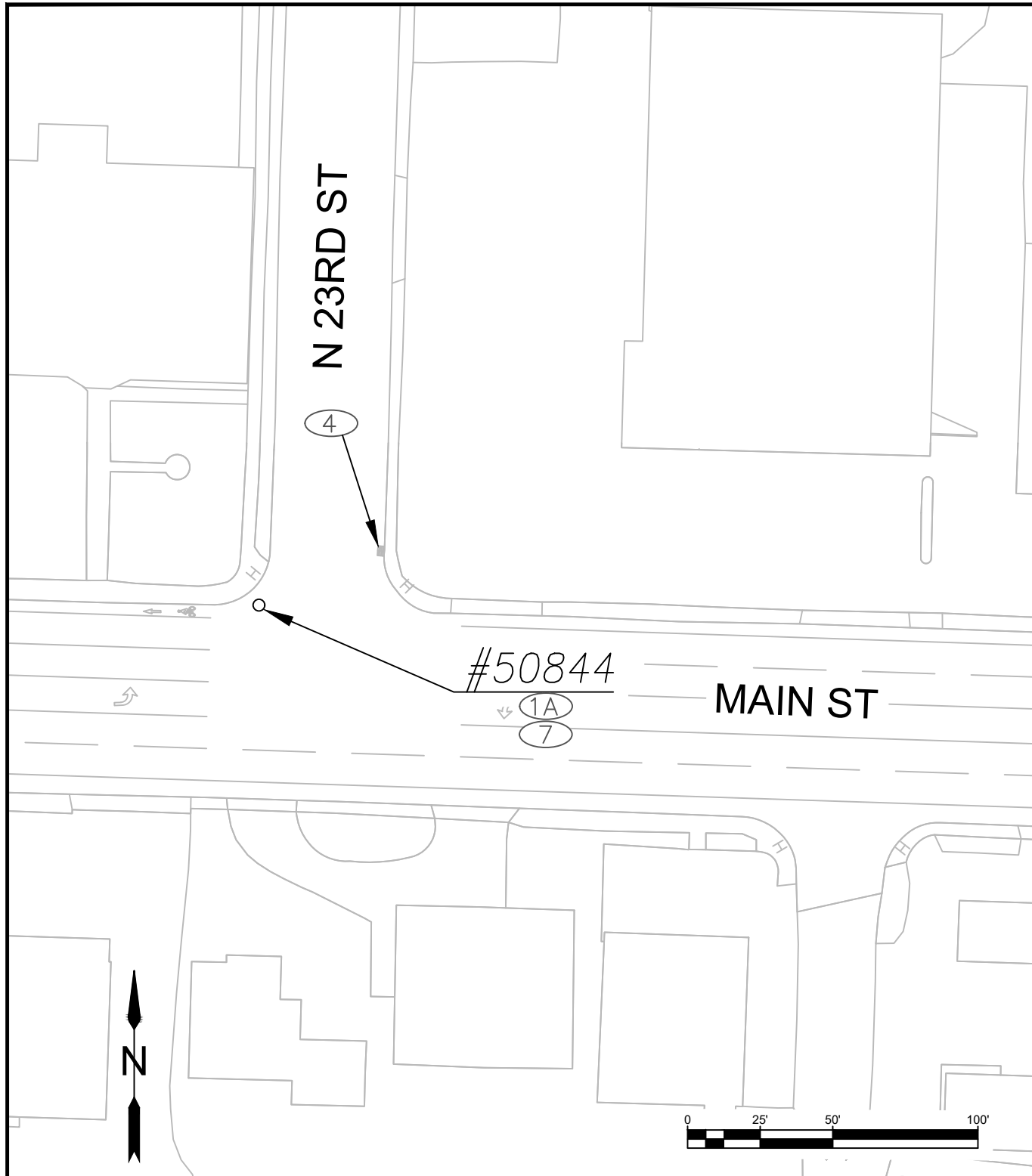
EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 80'  
1" = 50'

DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: J. JONES

**SHEET  
C02**



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST MH AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

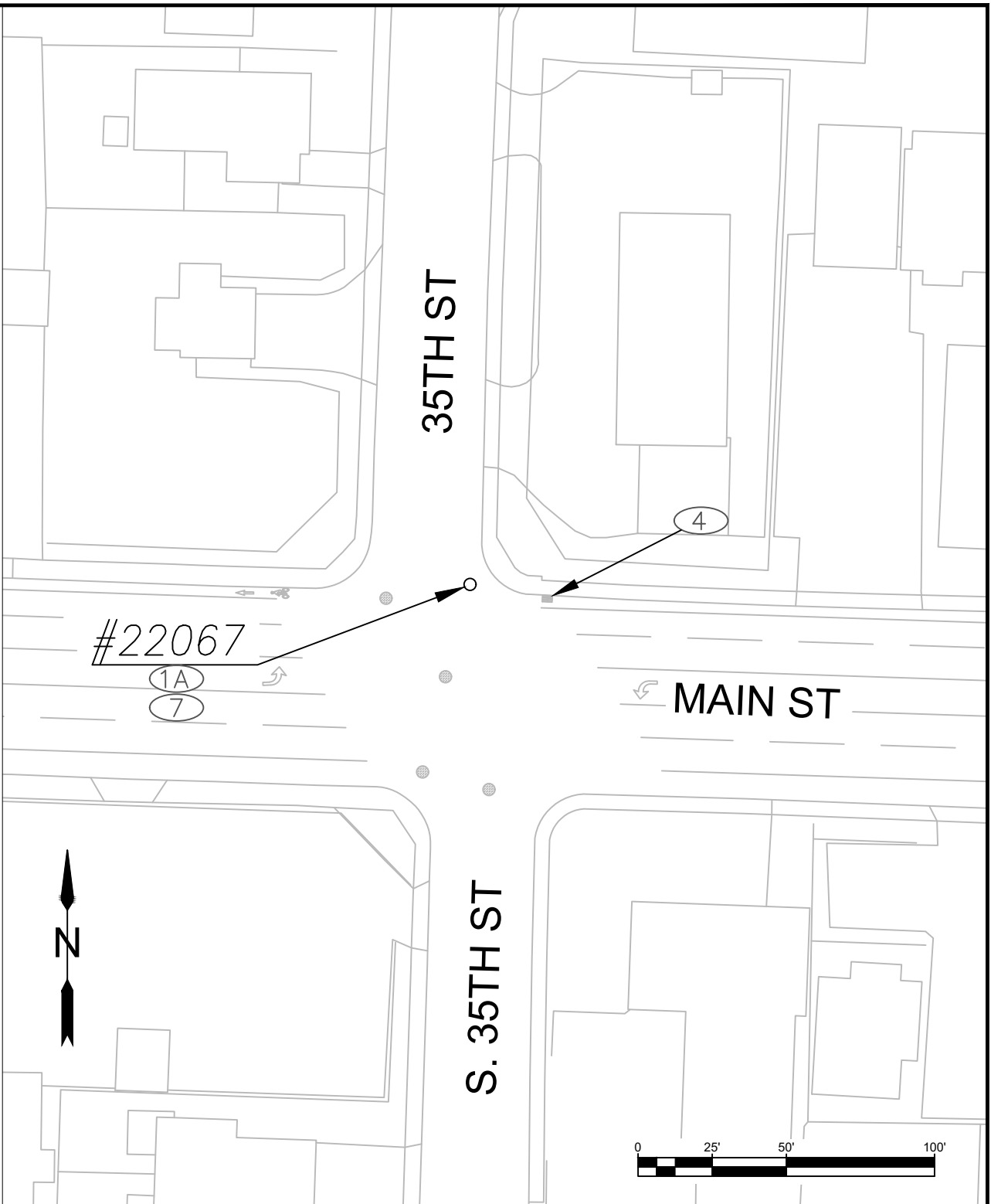
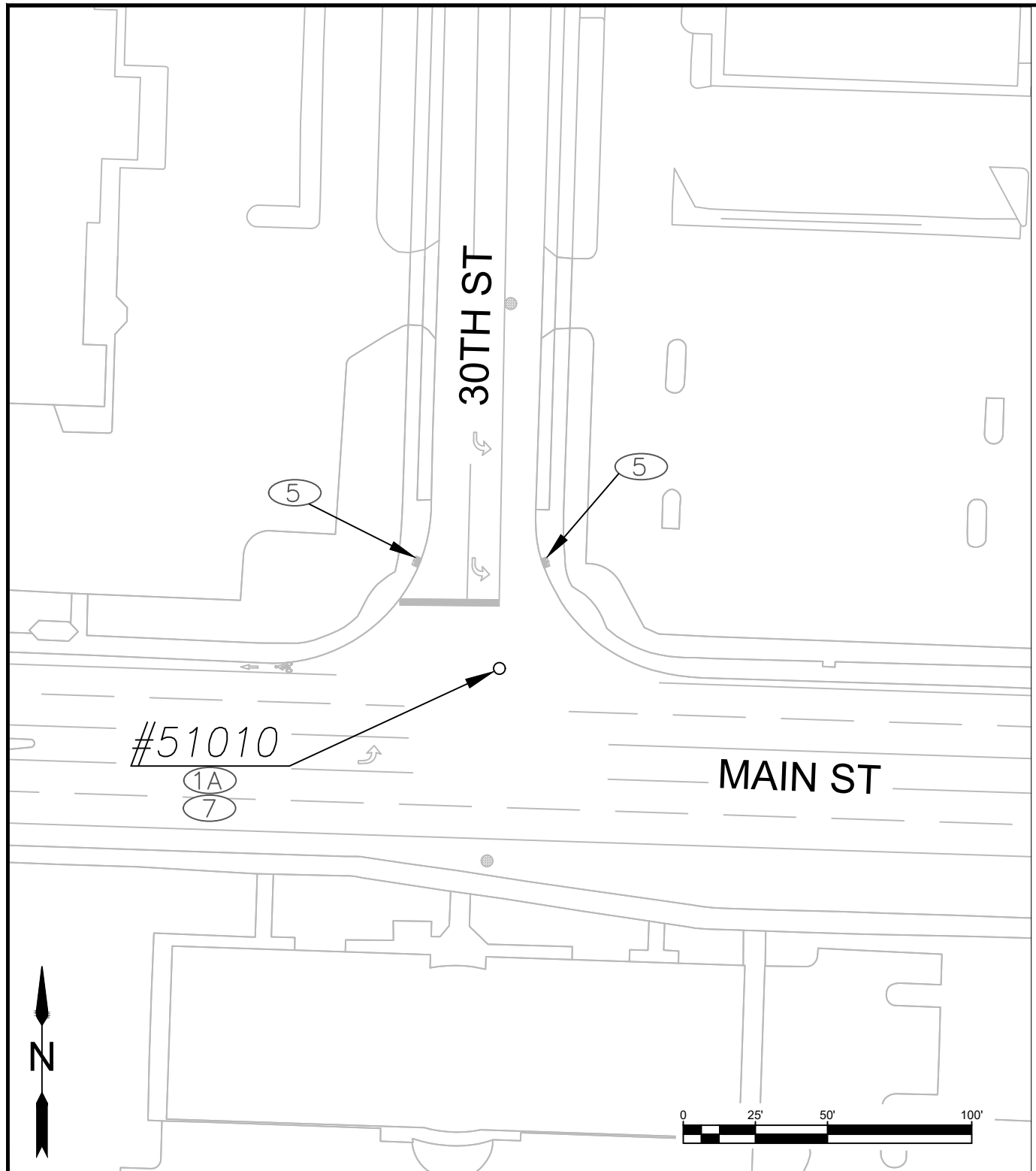
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225 FIFTH STREET, SPRINGFIELD, OR 97477  
PHONE (541) 726-3753 FAX (541) 726-3689  
INTERNET www.springfield-or.gov



EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	<b>SHEET C03</b>
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑤ CURB INLET PROTECTION – TYPE 10 SEDIMENT DAM – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST MH AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

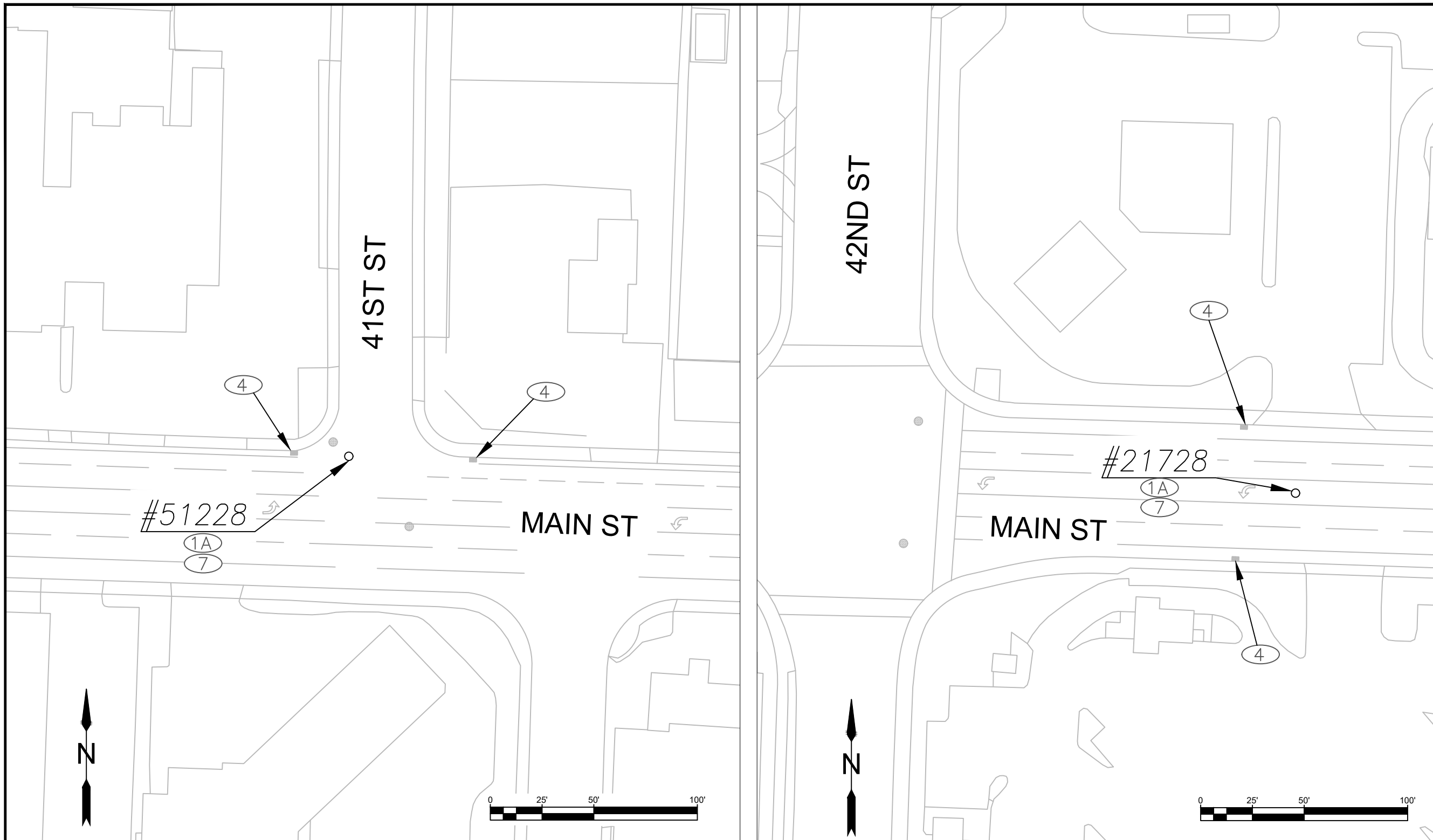
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INTERNET www.springfield-or.gov



EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	<b>SHEET C04</b>
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST MH AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

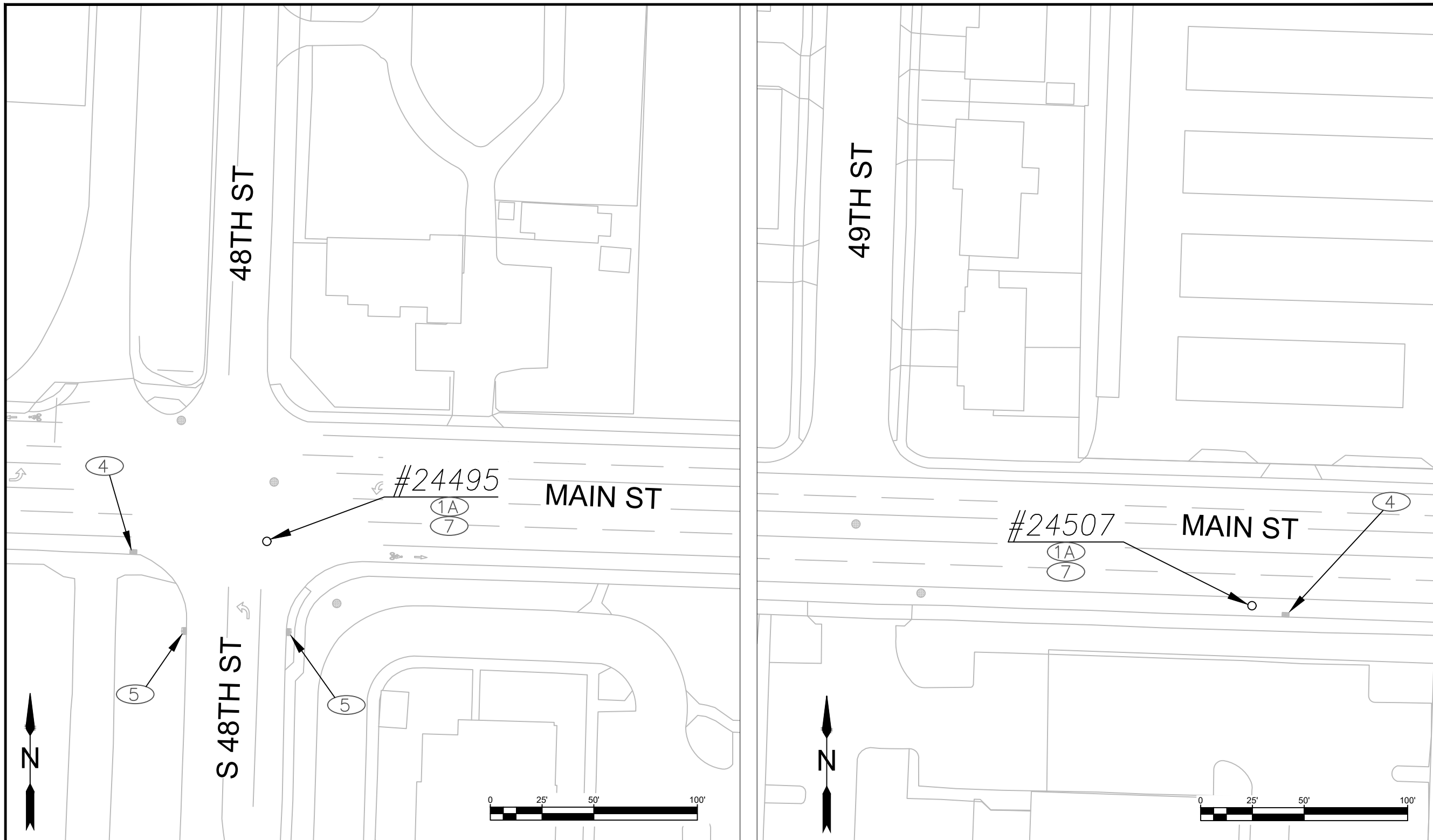
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EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	<b>SHEET C05</b>
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑤ CURB INLET PROTECTION – TYPE 10 SEDIMENT DAM – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST MH AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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REHABILITATION**

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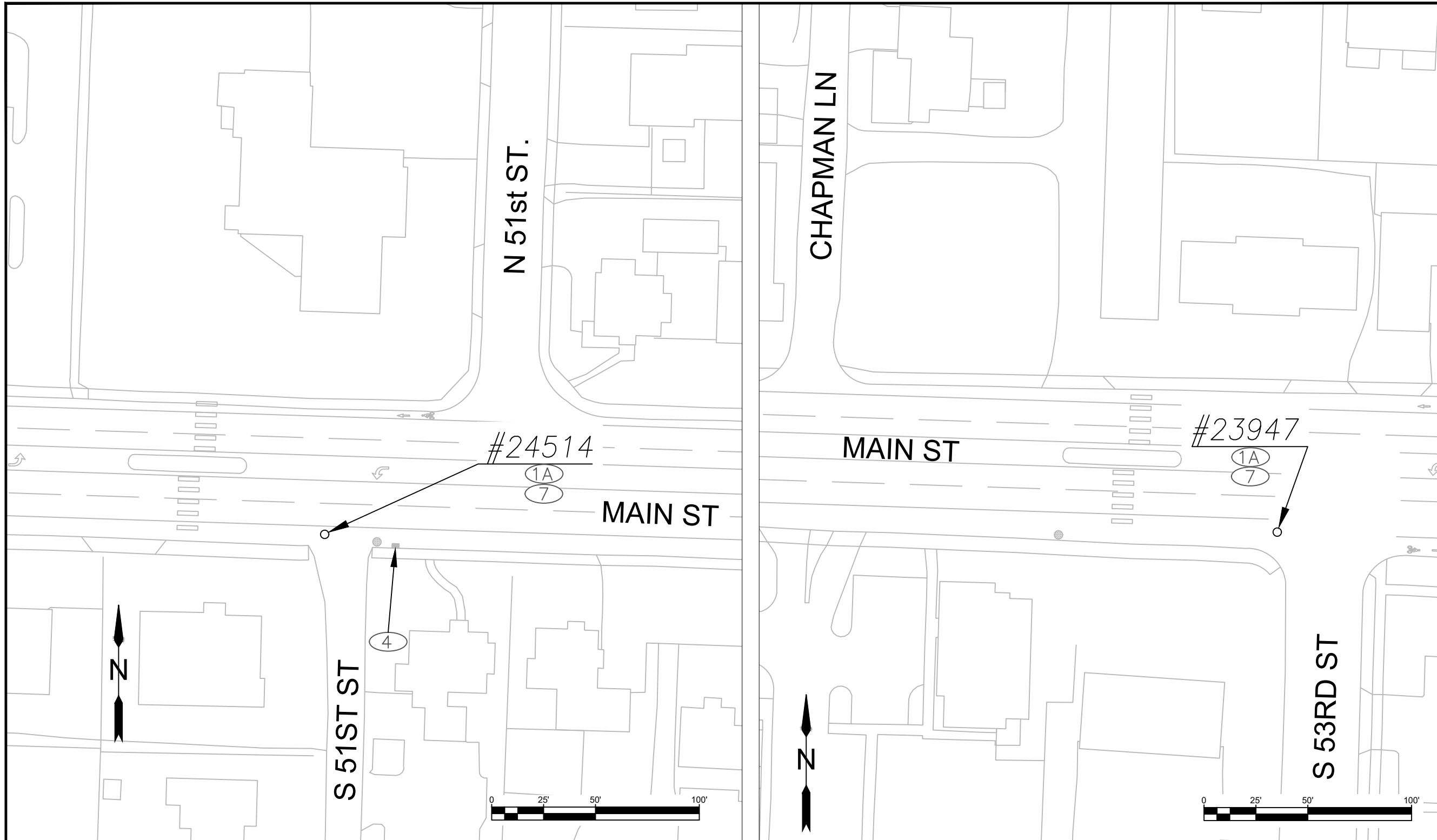


EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	SHEET
DRAWN BY: B. JABUSCH	<b>C06</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	





**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST MH AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

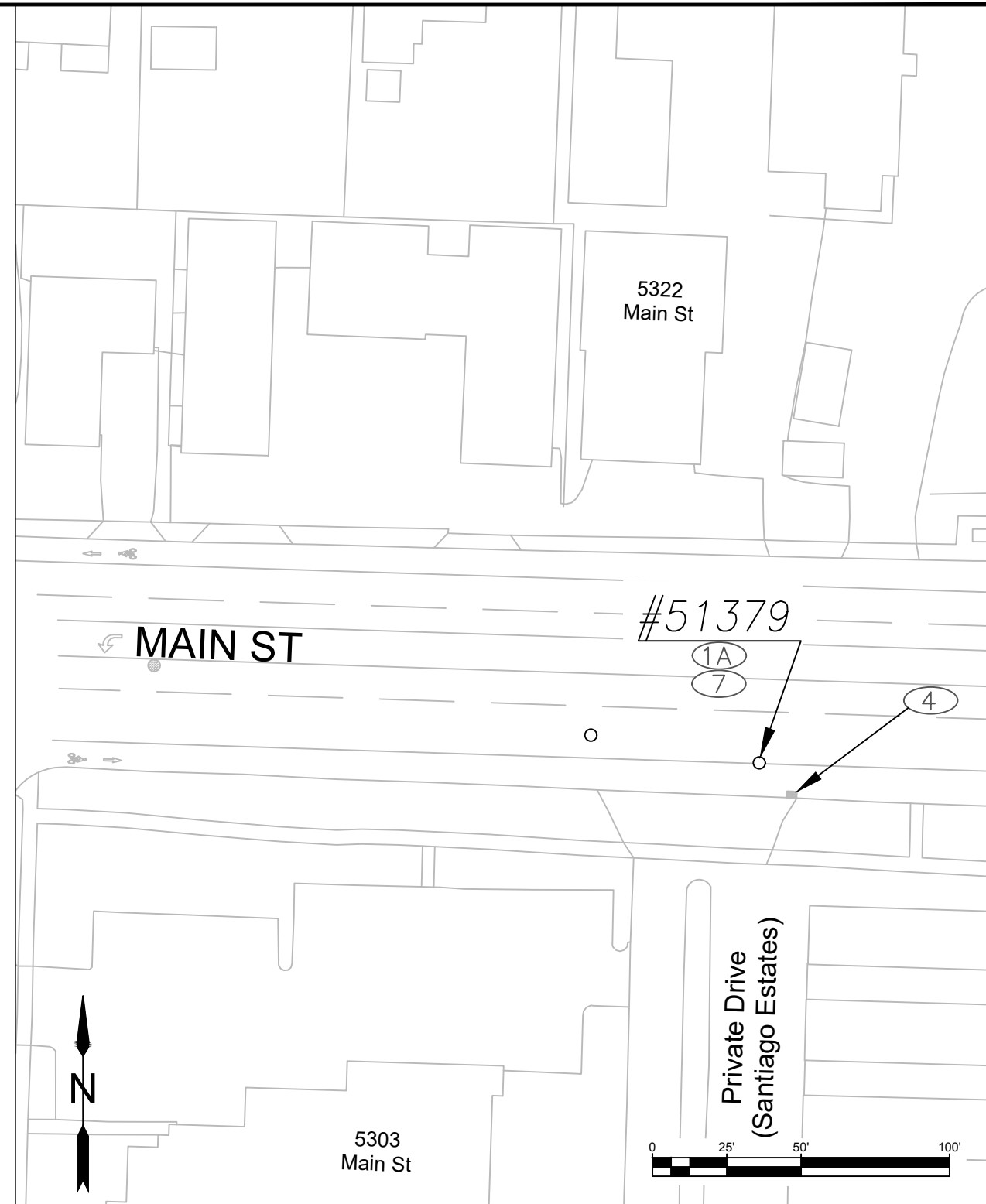
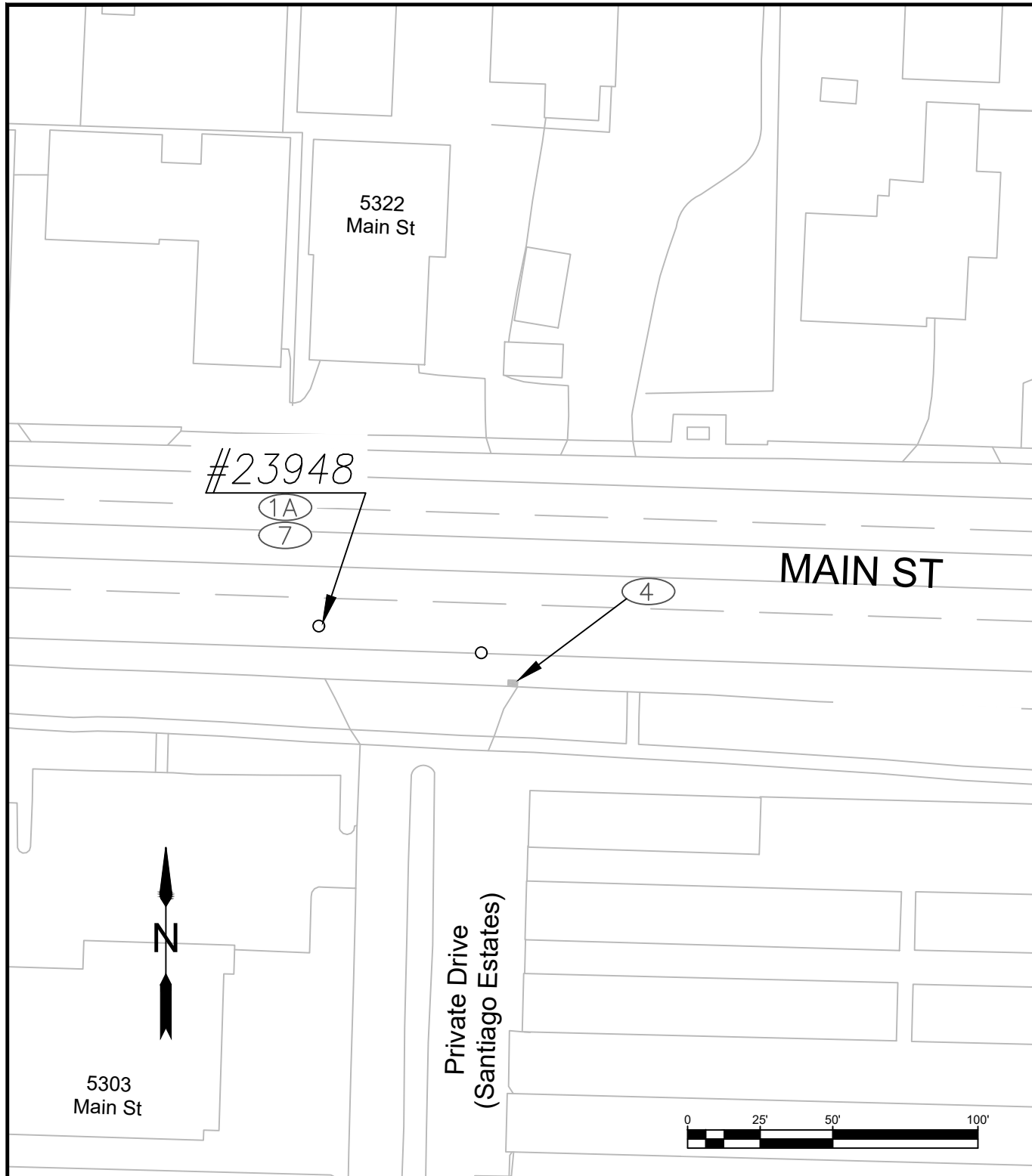
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EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	<b>SHEET C07</b>
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST M.H. AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

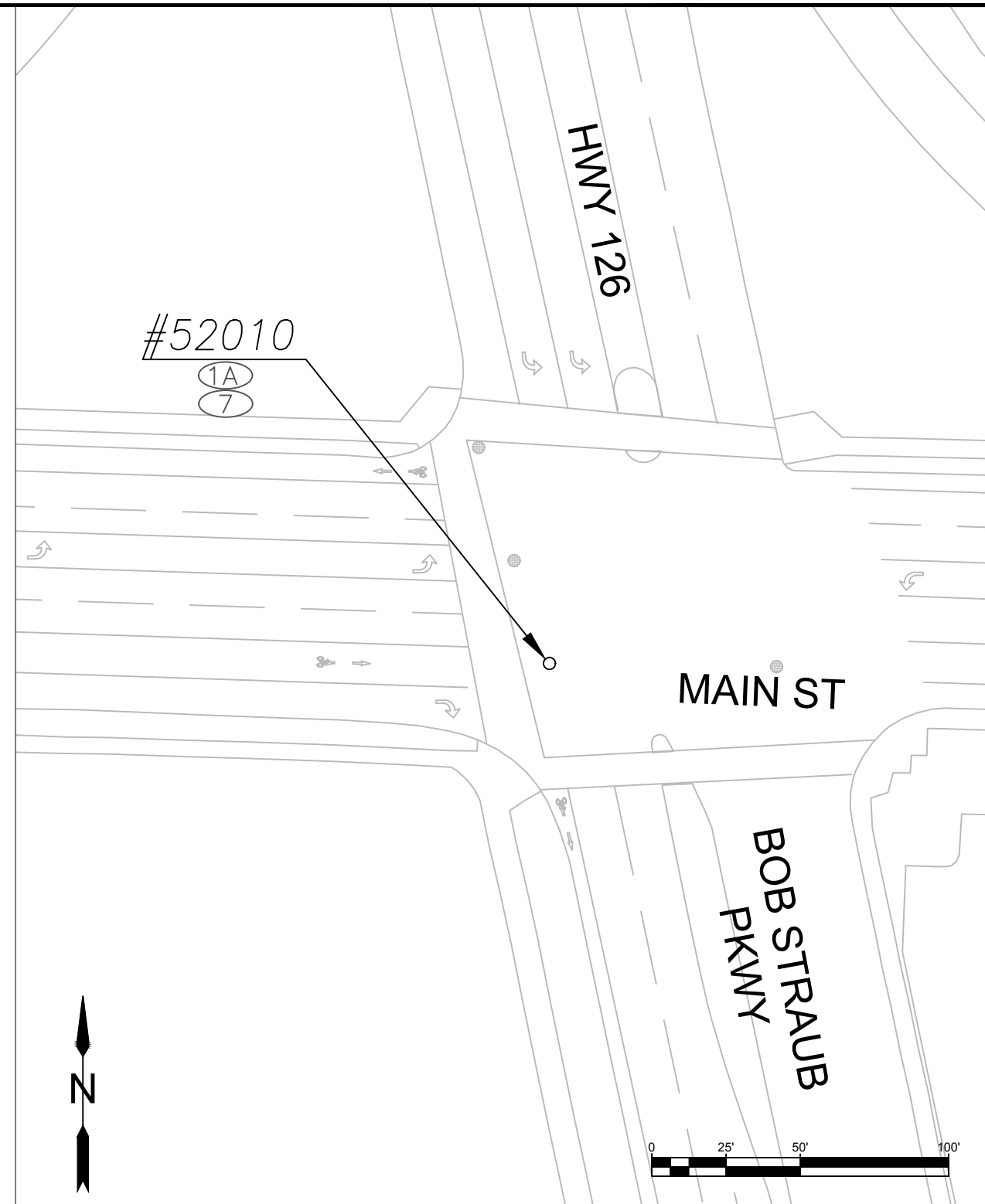
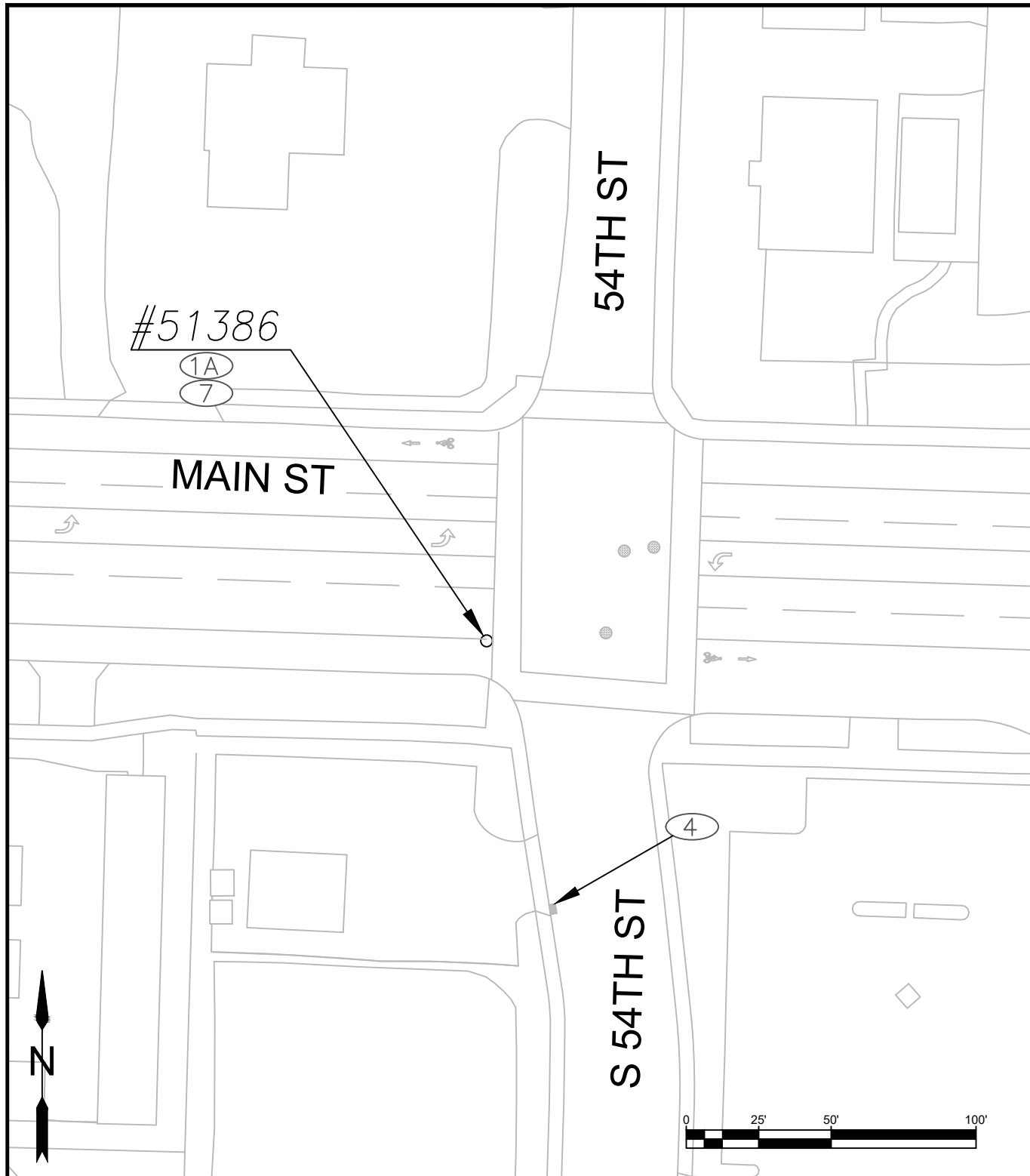
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EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	SHEET
DRAWN BY: B. JABUSCH	<b>C08</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST M.H. AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

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INTERNET www.springfield-or.gov



EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'	SHEET
DRAWN BY: B. JABUSCH	<b>C09</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	

No.	Revision/Issue	Date



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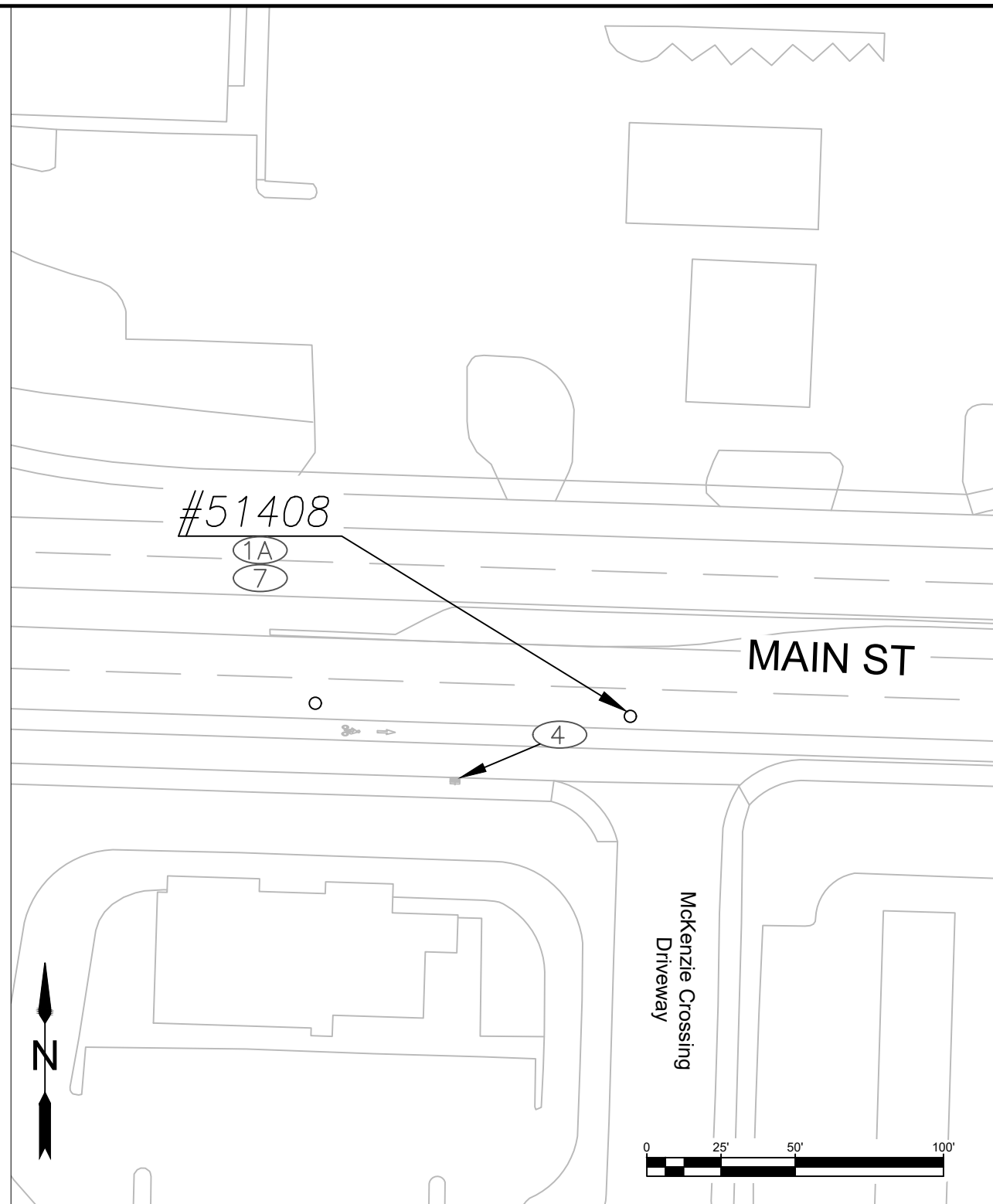
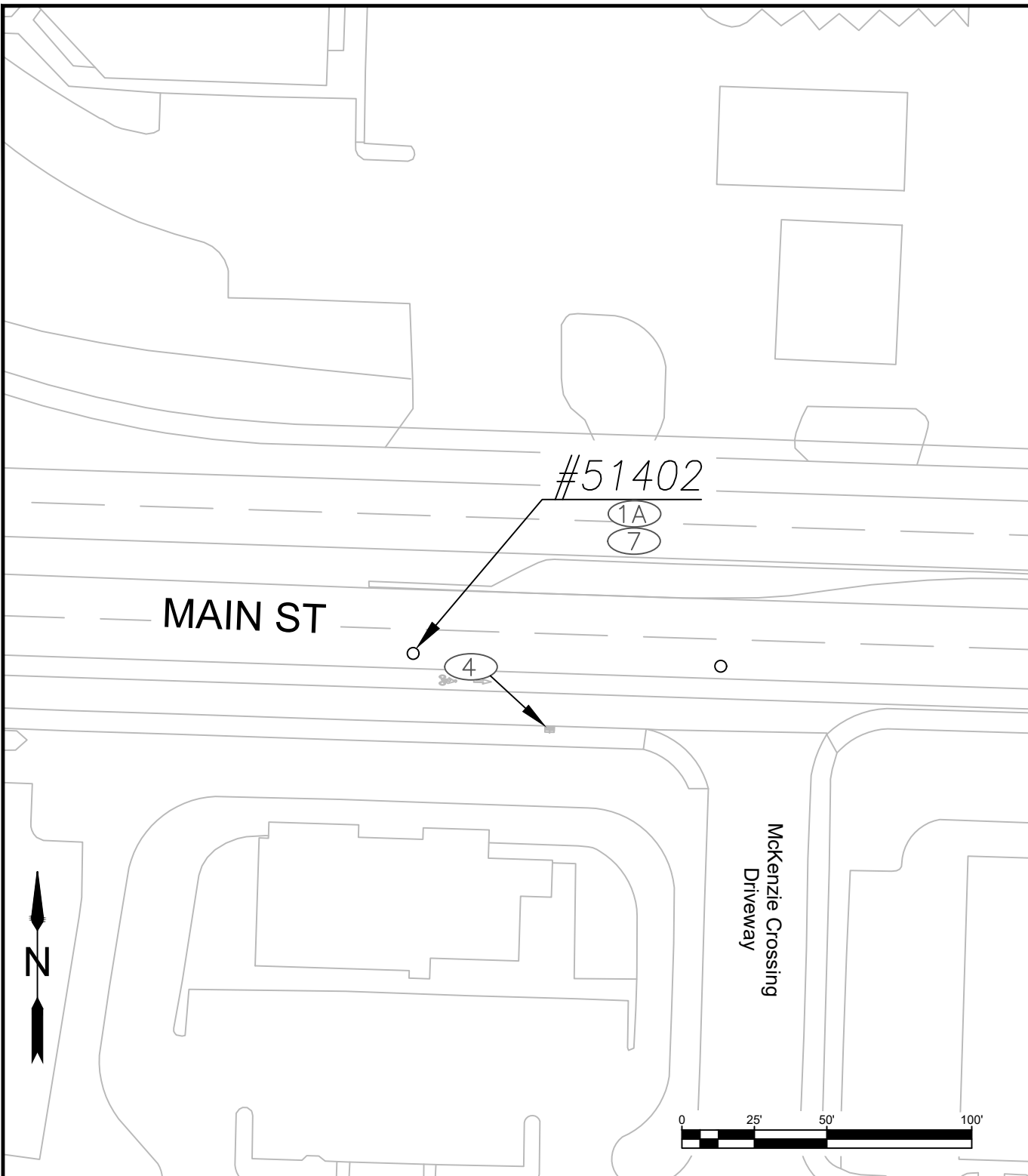
EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'

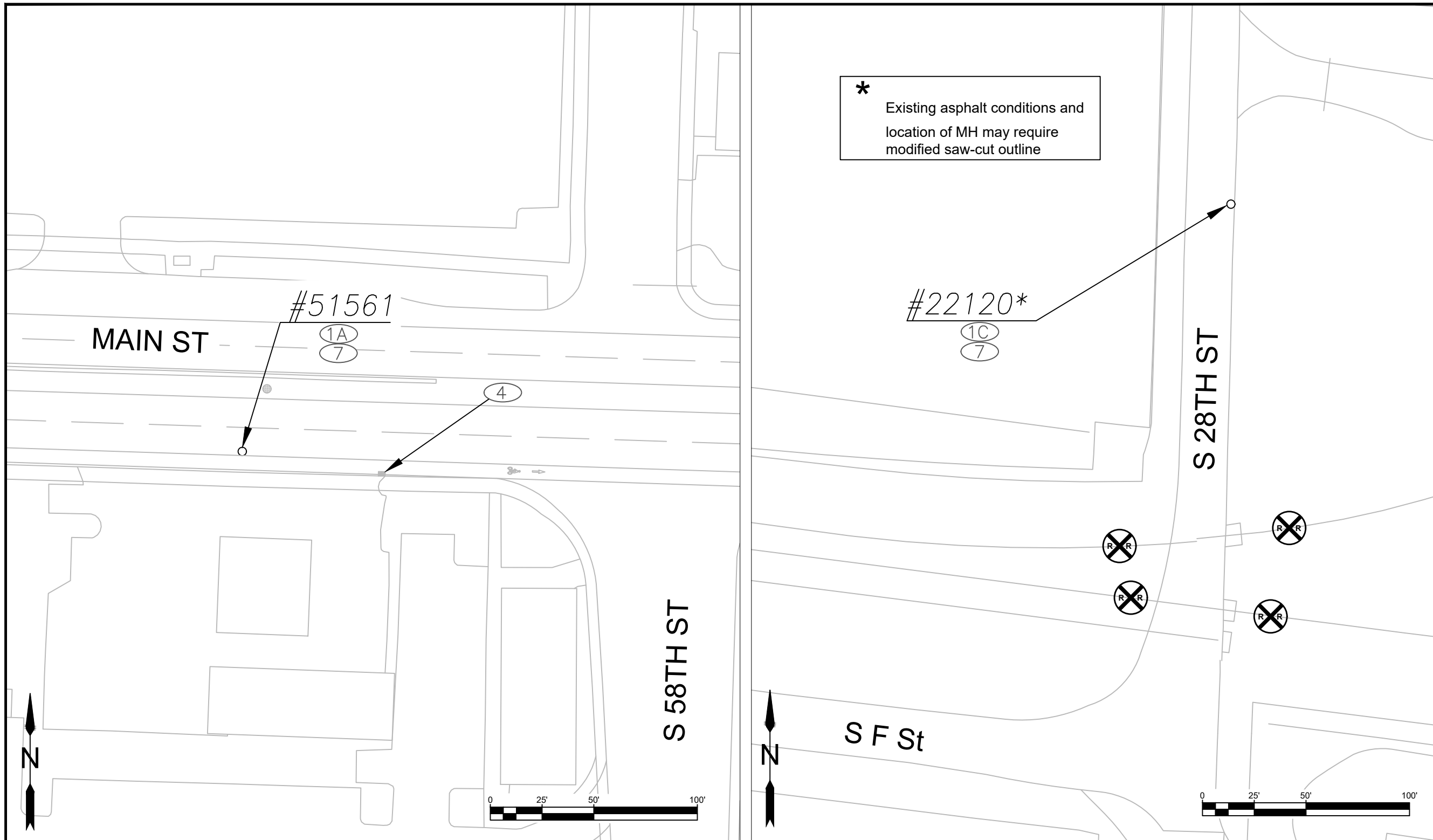
DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: J. JONES

SHEET  
**C10**



**CONSTRUCTION NOTES:**

- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
- ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
- ⑦ ADJUST M.H. AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A



\* Existing asphalt conditions and location of MH may require modified saw-cut outline

- CONSTRUCTION NOTES:**
- ①A EXCAVATE SURROUNDING PAVEMENT – USE EXISTING SAWCUT BOUNDARY, CUT CLEAN EDGE IF NECESSARY
  - ①C EXCAVATE SURROUNDING PAVEMENT – CIRCLE CUT
  - ④ CATCH BASIN PROTECTION – TYPE 3 PREFABRICATED FILTER INSERT – SEE STANDARD DRAWING RD1010
  - ⑦ ADJUST M.H. AND RESTORE CONCRETE SURROUND TO MATCH EXISTING GRADE – SEE CITY STANDARD DRAWING 4-1A

No.	Revision/Issue	Date



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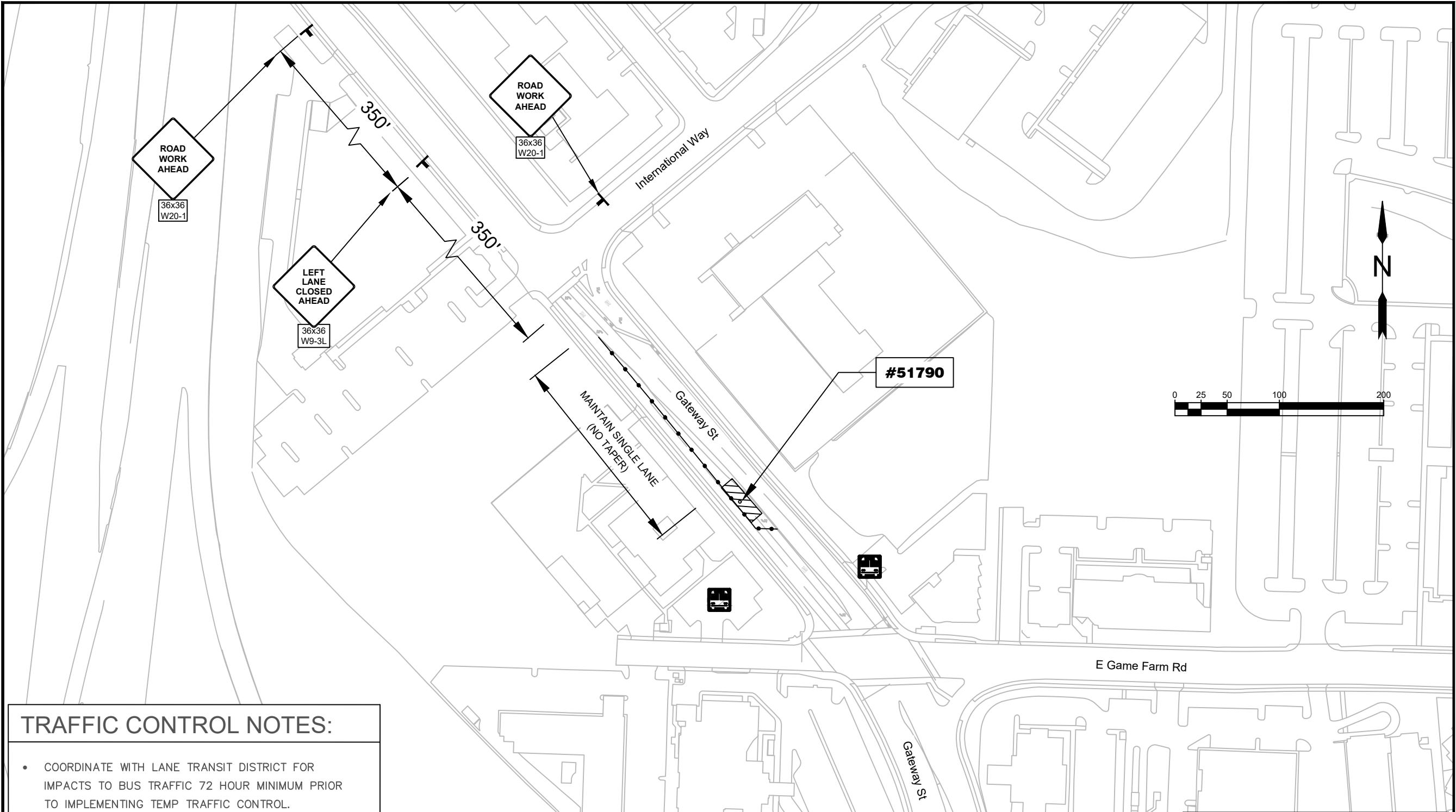
EXP DATE: 06-30-2025

**GEN CONSTRUCTION DETAILS**

SCALE: 1" = 50'  
DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: J. JONES

SHEET  
**C11**

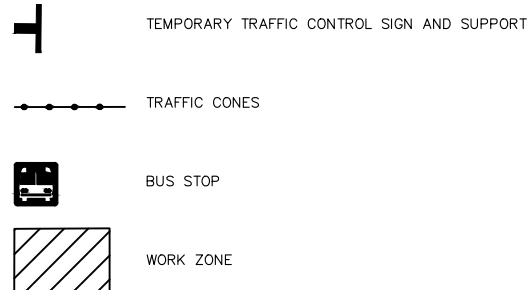




**TRAFFIC CONTROL NOTES:**

- COORDINATE WITH LANE TRANSIT DISTRICT FOR IMPACTS TO BUS TRAFFIC 72 HOUR MINIMUM PRIOR TO IMPLEMENTING TEMP TRAFFIC CONTROL.
- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.

**LEGEND:**



TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

*City of Springfield*

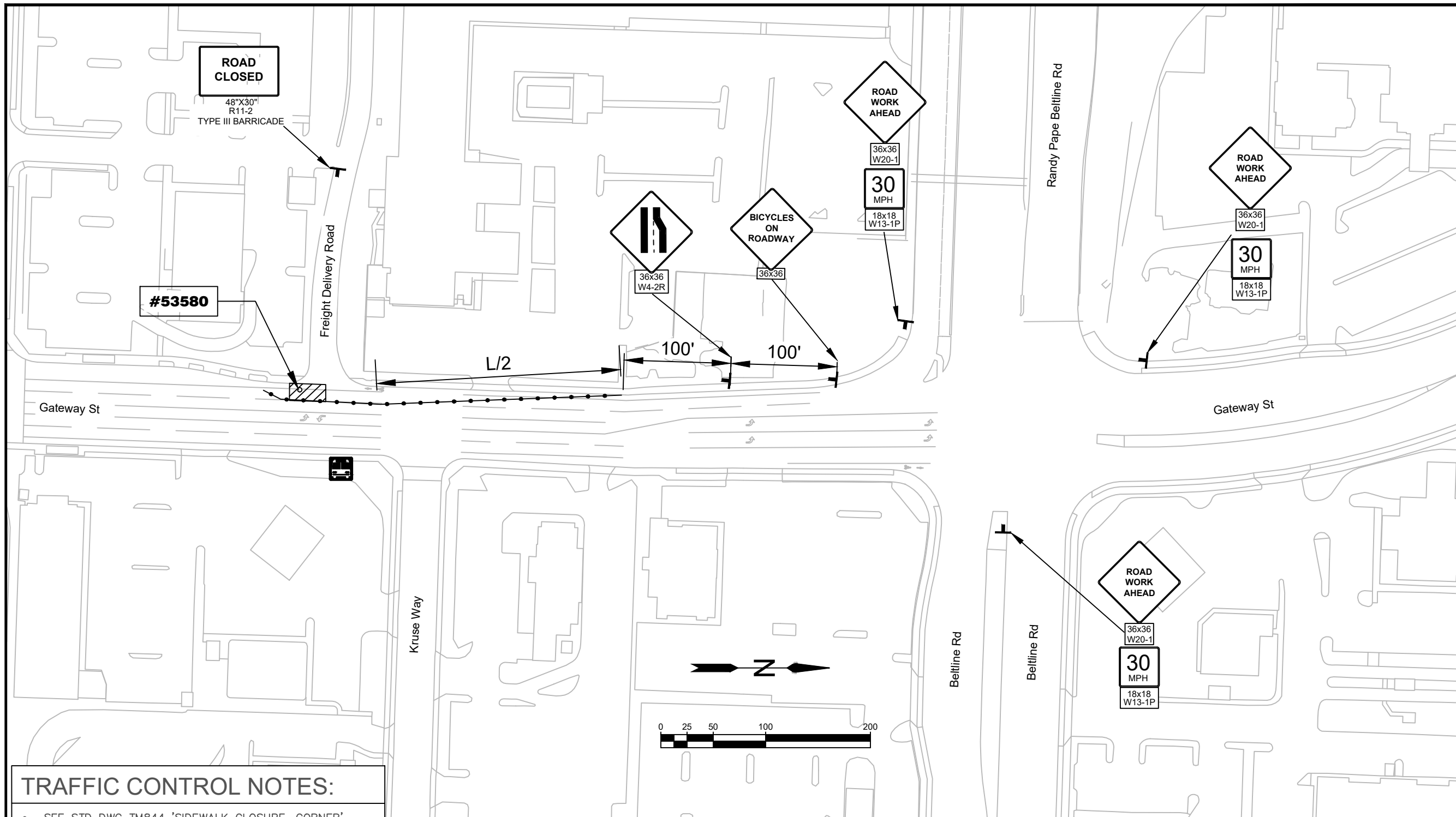
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225 FIFTH STREET, SPRINGFIELD, OR 97477  
TEL: (541) 726-5735 FAX: (541) 726-5889  
INTERNET: www.springfield-or.gov



EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

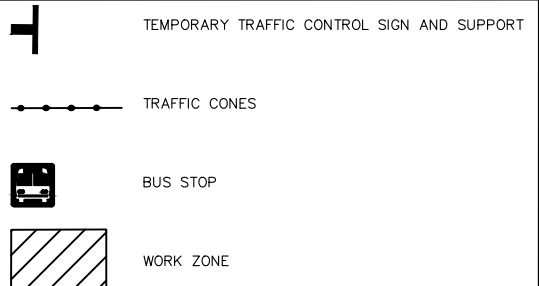
<b>1" = 100'</b>	<b>SHEET E01</b>
DRAWN BY: B. JABUSCH	DESIGNED BY: B. JABUSCH
CHECKED BY: B. BARNETT	



**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTCH SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- WHEN POSSIBLE, MAINTAIN RIGHT-TURN-IN ACCESS FOR FREIGHT DELIVERY ROAD.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.

**LEGEND:**



TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTEAM (TERMINATION)	VARIES

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

No.	Revision/Issue	Date



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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

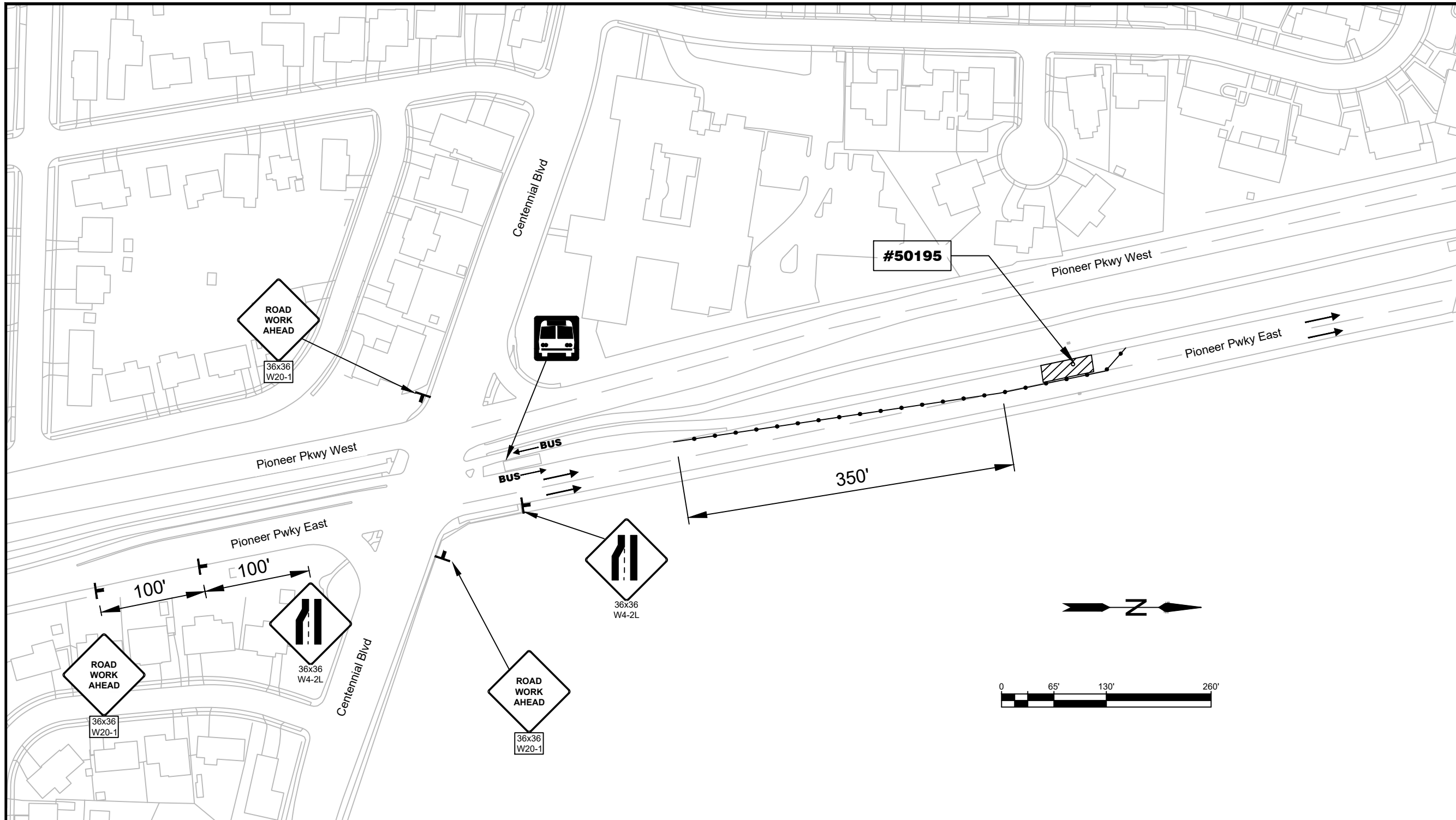
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INTERNET: www.springfield-or.gov



EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>	<b>SHEET E02</b>
DRAWN BY: B. JABUSCH	CHECKED BY: B. BARNETT
DESIGNED BY: B. JABUSCH	



**TRAFFIC CONTROL NOTES:**

- COORDINATE WITH LANE TRANSIT DISTRICT FOR IMPACTS TO BUS TRAFFIC 72 HOUR MINIMUM PRIOR TO IMPLEMENTING TEMP TRAFFIC CONTROL.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.

**LEGEND:**

- TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
- TRAFFIC CONES
- BUS STOP
- WORK ZONE

No.	Revision/Issue	Date



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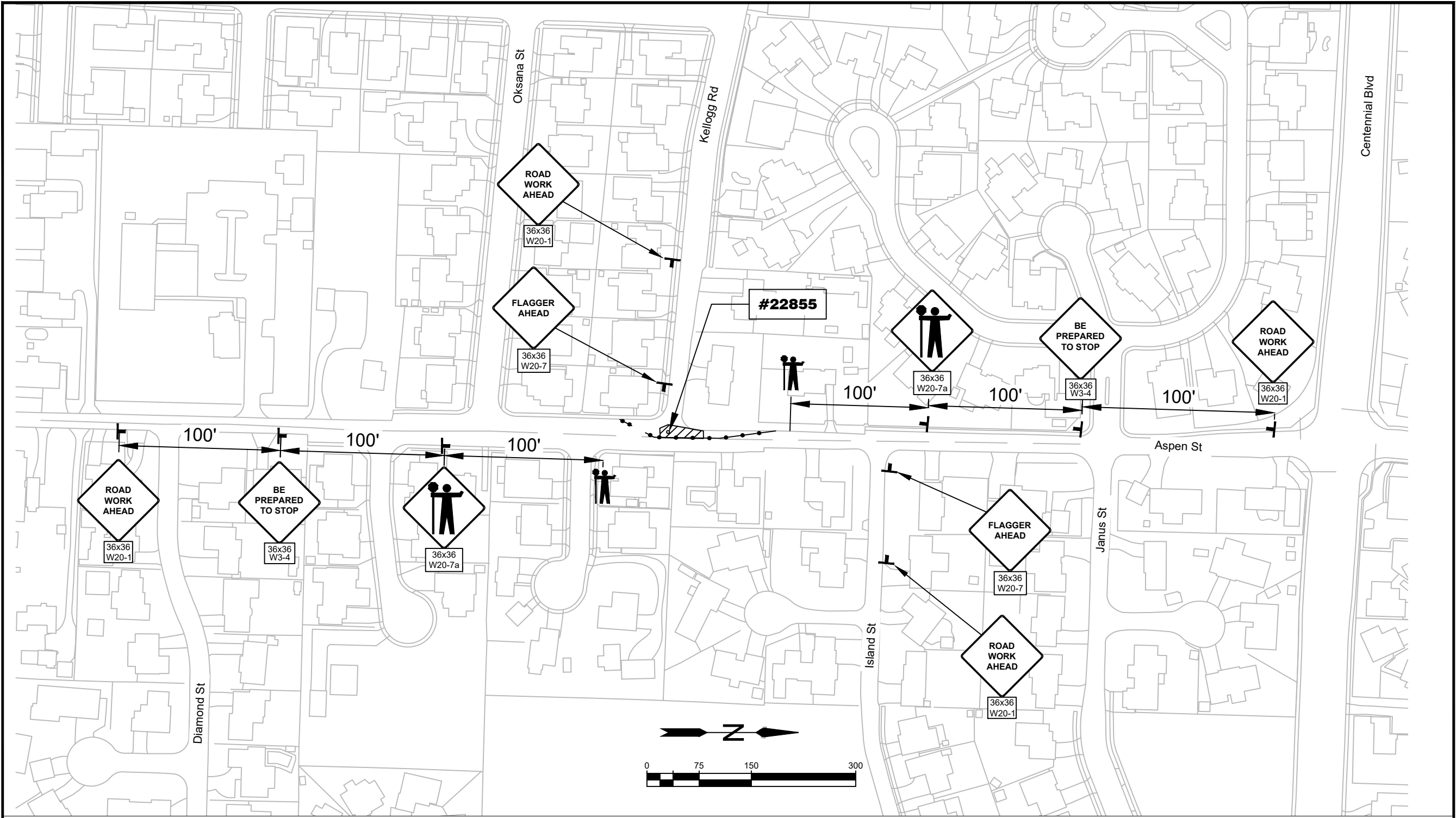


EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

<b>1" = 130'</b>	<b>SHEET E03</b>
DRAWN BY: B. JABUSCH	CHECKED BY: B. BARNETT
DESIGNED BY: B. JABUSCH	





**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- IF A MINIMUM 10' TRAVEL LANE CANNOT BE MAINTAINED, OR WHEN TRAFFIC CANNOT SAFELY PASS BY IN BOTH LANES SIMULTANEOUSLY, USE APPROPRIATE LANE CLOSURE TREATMENTS.

**LEGEND:**

	TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
	TRAFFIC CONES
	FLAGGER
	WORK ZONE

No. \_\_\_\_\_ Revision/Issue \_\_\_\_\_ Date \_\_\_\_\_

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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

*City of Springfield*

**SPRINGFIELD OREGON**

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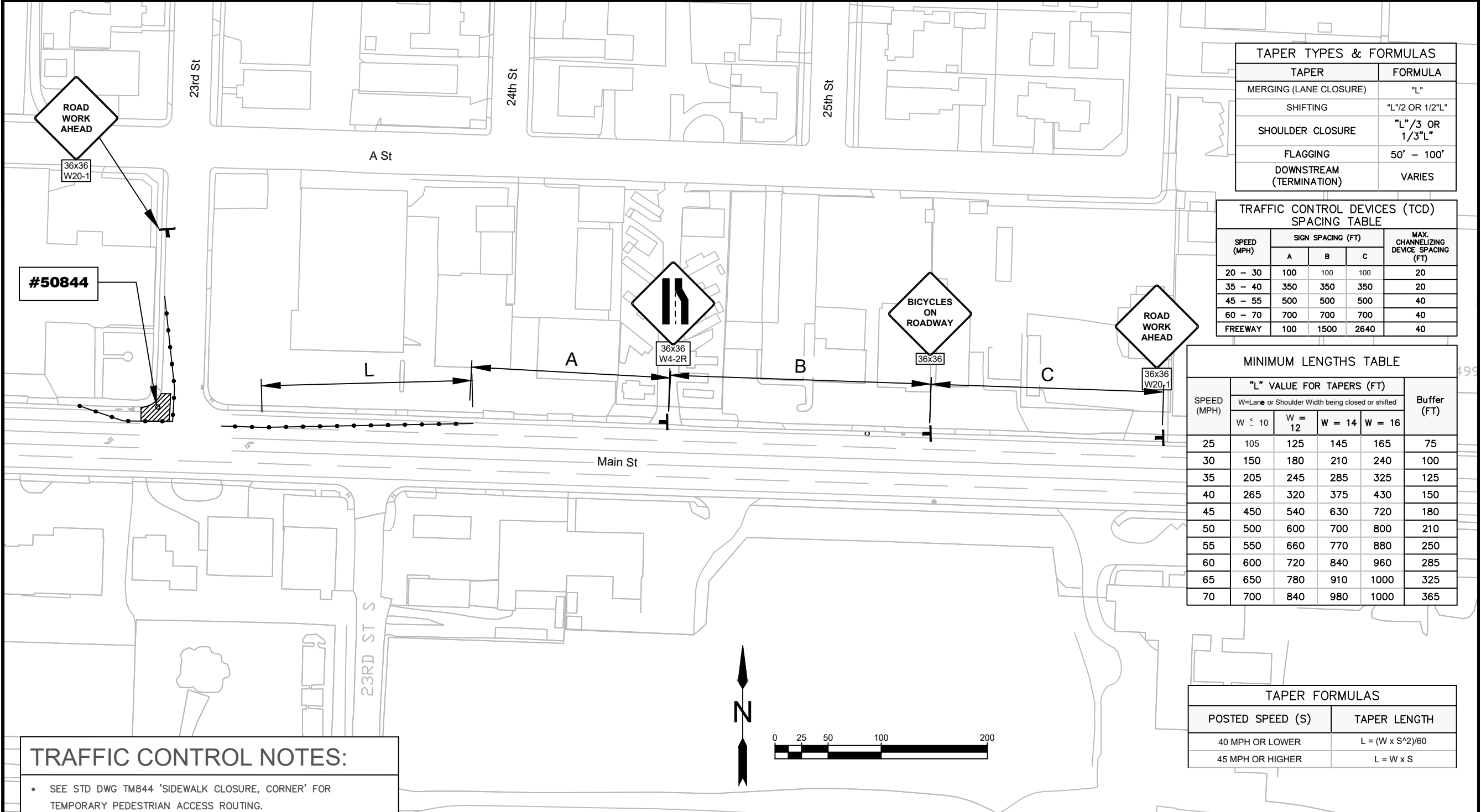
EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

**1" = 150'**

DRAWN BY: B. JABUSCH  
 DESIGNED BY: B. JABUSCH  
 CHECKED BY: B. BARNETT

**SHEET  
E04**



TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE				
SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREWAY	100	1500	2640	40

MINIMUM LENGTHS TABLE					
SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

- TRAFFIC CONTROL NOTES:**
- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
  - TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
  - IF A MINIMUM 10' TRAVEL LANE CANNOT BE MAINTAINED, OR WHEN TRAFFIC CANNOT SAFELY PASS BY IN BOTH LANES SIMULTANEOUSLY, USE APPROPRIATE LANE CLOSURE TREATMENTS.
  - DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
  - WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**

- TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
- TRAFFIC CONES
- BUS STOP
- WORK ZONE

No.	Revision/Issue	Date



Know what's below.  
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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

*City of Springfield*  
PUBLIC WORKS / ENGINEERING  
225 FIFTH STREET, SPRINGFIELD, OR 97477  
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INTERNET www.springfield-or.gov



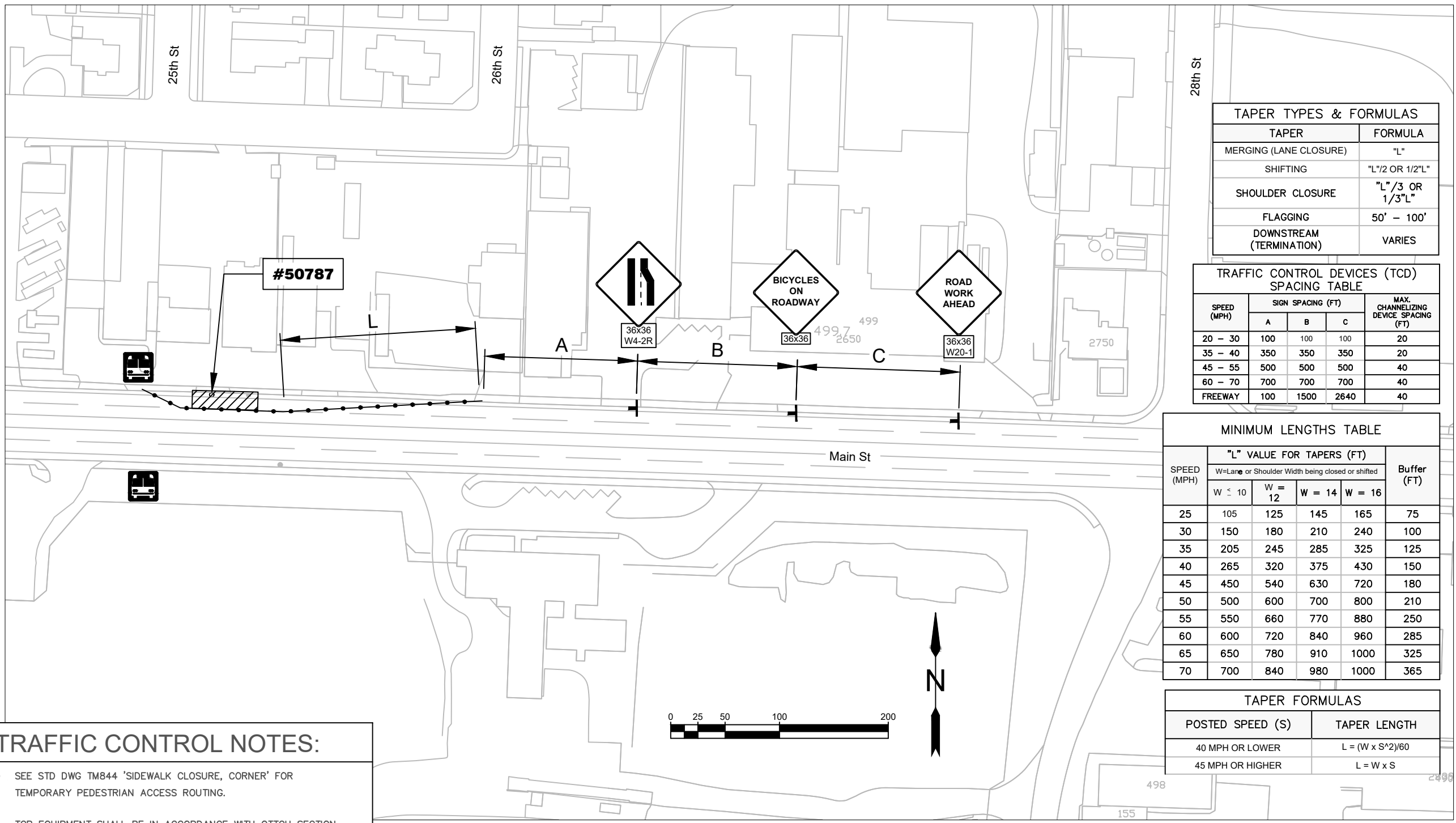
EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

1" = 100'

DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: B. BARNETT

**SHEET E05**



TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- IF A MINIMUM 10' TRAVEL LANE CANNOT BE MAINTAINED, OR WHEN TRAFFIC CANNOT SAFELY PASS BY IN BOTH LANES SIMULTANEOUSLY, USE APPROPRIATE LANE CLOSURE TREATMENTS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**

- TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
- TRAFFIC CONES
- BUS STOP
- WORK ZONE

No.	Revision/Issue	Date



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INTERNET www.springfield-or.gov

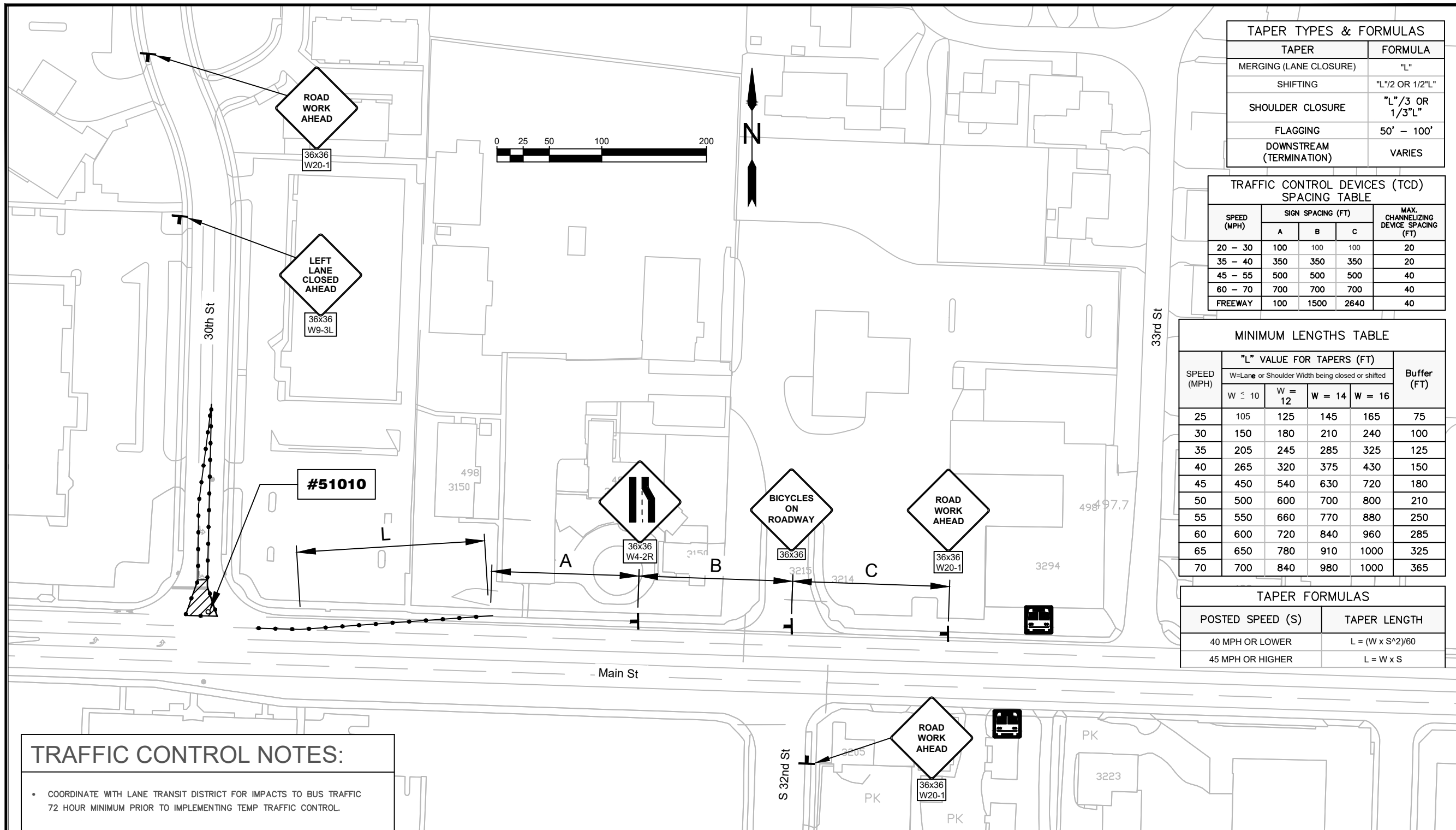


EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>	<b>SHEET</b>
DRAWN BY: B. JABUSCH	<b>E06</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: B. BARNETT	





TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE				
SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

MINIMUM LENGTHS TABLE					
SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

No.	Revision/Issue	Date



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**TRAFFIC CONTROL NOTES:**

- COORDINATE WITH LANE TRANSIT DISTRICT FOR IMPACTS TO BUS TRAFFIC 72 HOUR MINIMUM PRIOR TO IMPLEMENTING TEMP TRAFFIC CONTROL.
- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- IF A MINIMUM 10' TRAVEL LANE CANNOT BE MAINTAINED, OR WHEN TRAFFIC CANNOT SAFELY PASS BY IN BOTH LANES SIMULTANEOUSLY, USE APPROPRIATE LANE CLOSURE TREATMENTS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**

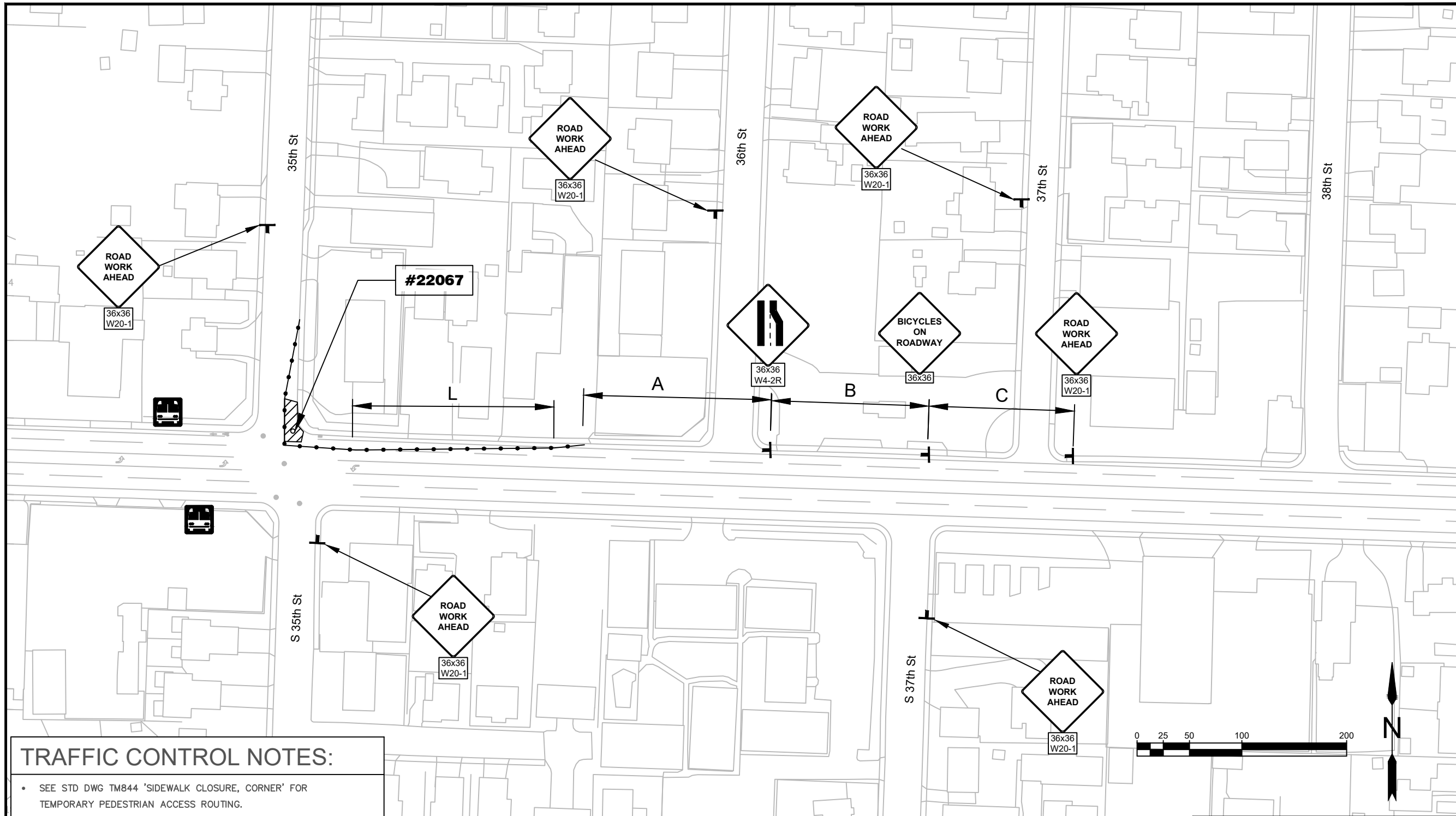
- TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
- TRAFFIC CONES
- BUS STOP
- WORK ZONE



EXP DATE: 12-31-2025

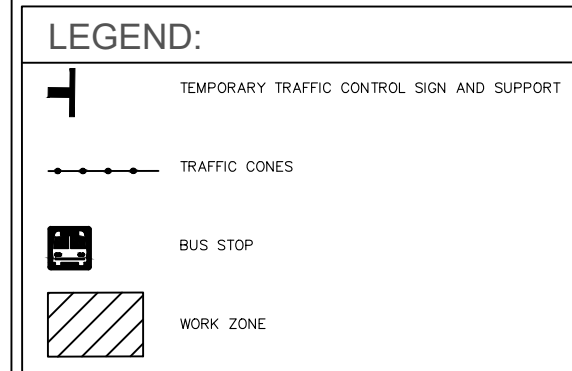
**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>	<b>SHEET E07</b>
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: B. BARNETT	



**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- IF A MINIMUM 10' TRAVEL LANE CANNOT BE MAINTAINED, OR WHEN TRAFFIC CANNOT SAFELY PASS BY IN BOTH LANES SIMULTANEOUSLY, USE APPROPRIATE LANE CLOSURE TREATMENTS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.



TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)					Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted					
	W ≤ 10	W = 12	W = 14	W = 16		
25	105	125	145	165	75	
30	150	180	210	240	100	
35	205	245	285	325	125	
40	265	320	375	430	150	
45	450	540	630	720	180	
50	500	600	700	800	210	
55	550	660	770	880	250	
60	600	720	840	960	285	
65	650	780	910	1000	325	
70	700	840	980	1000	365	

No.	Revision/Issue	Date

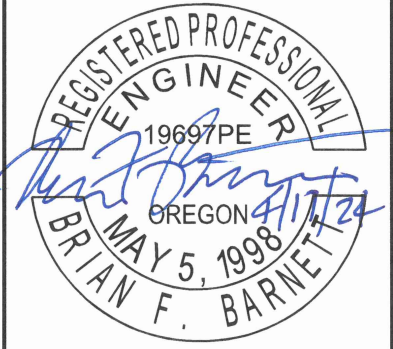


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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

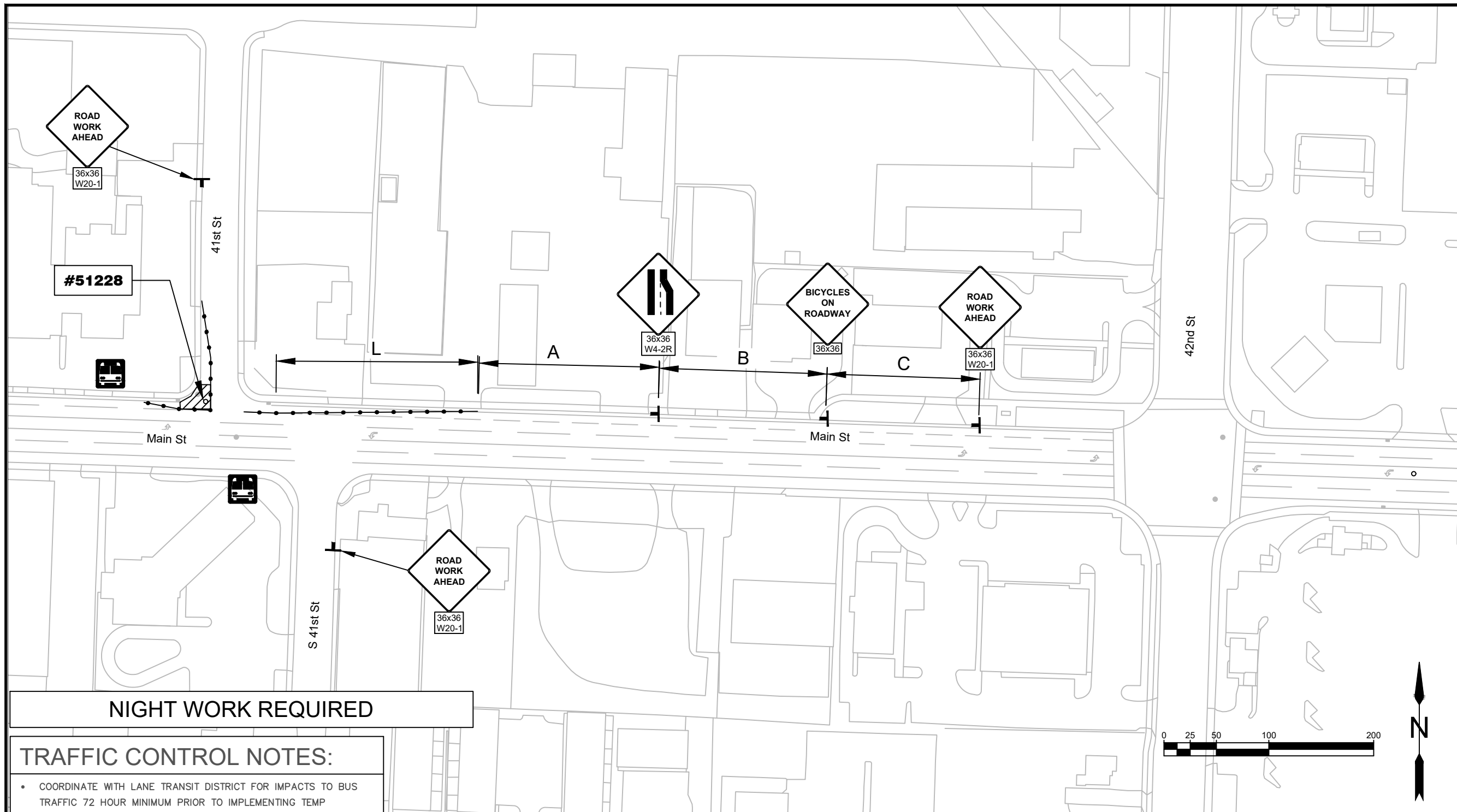
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INTERNET www.springfield-or.gov



EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

**1" = 100'** **SHEET E08**  
DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: B. BARNETT



No.	Revision/Issue	Date



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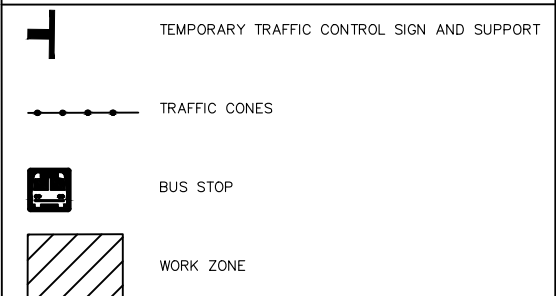


**NIGHT WORK REQUIRED**

**TRAFFIC CONTROL NOTES:**

- COORDINATE WITH LANE TRANSIT DISTRICT FOR IMPACTS TO BUS TRAFFIC 72 HOUR MINIMUM PRIOR TO IMPLEMENTING TEMP TRAFFIC CONTROL.
- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**



TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=10	W=12	W=14	W=16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREWAY	100	1500	2640	40

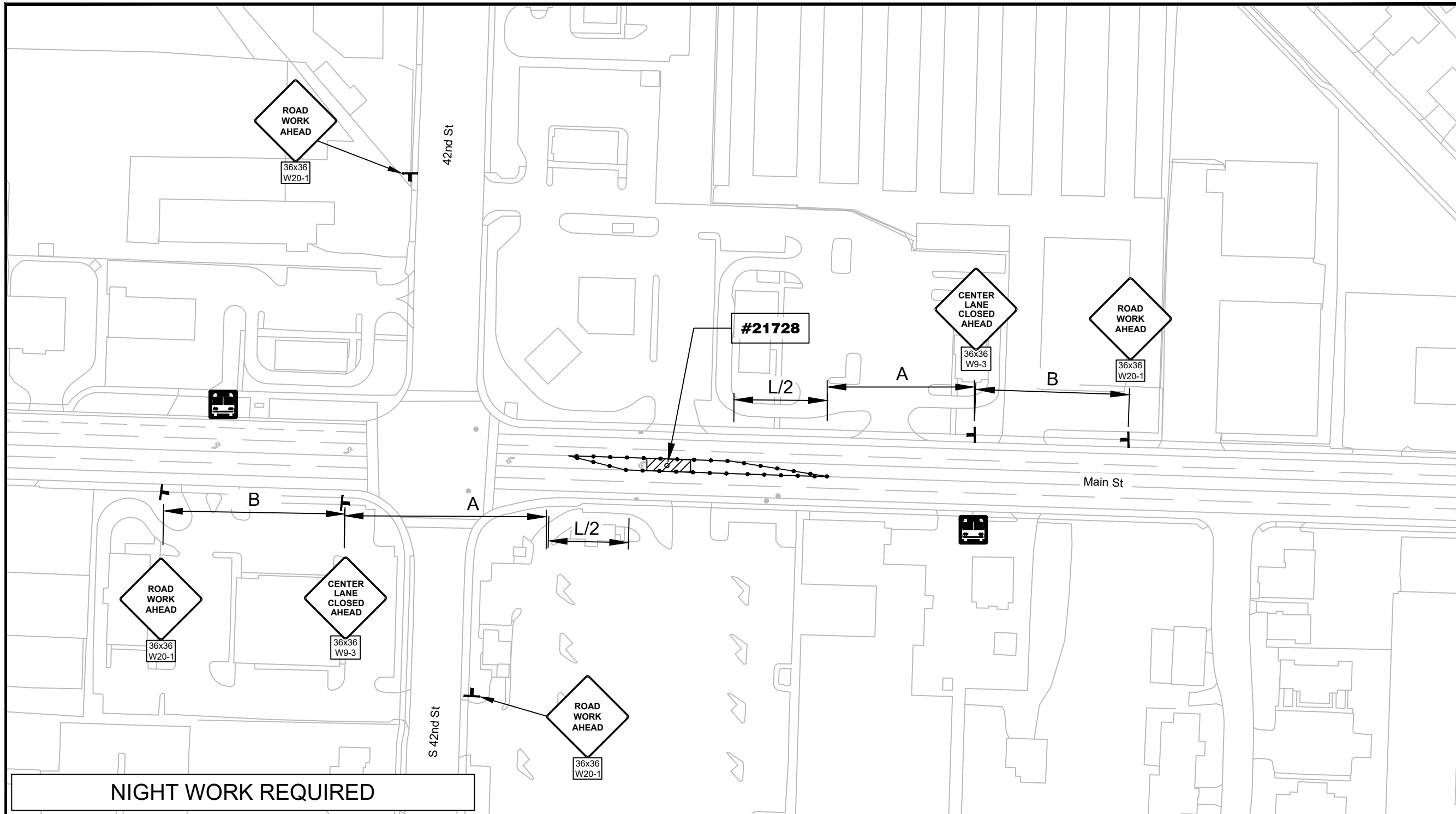


EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>	<b>SHEET E09</b>
DRAWN BY: B. JABUSCH	CHECKED BY: B. BARNETT
DESIGNED BY: B. JABUSCH	





No.	Revision/Issue	Date



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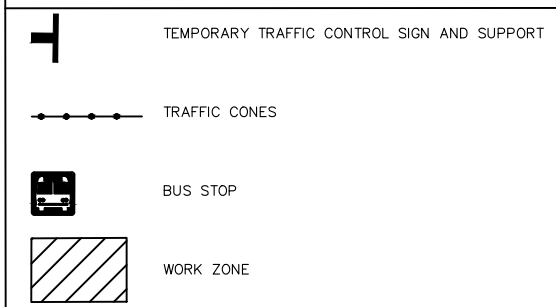
**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>		<b>SHEET E10</b>
DRAWN BY:	B. JABUSCH	
DESIGNED BY:	B. JABUSCH	
CHECKED BY:	B. BARNETT	

**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TOP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**



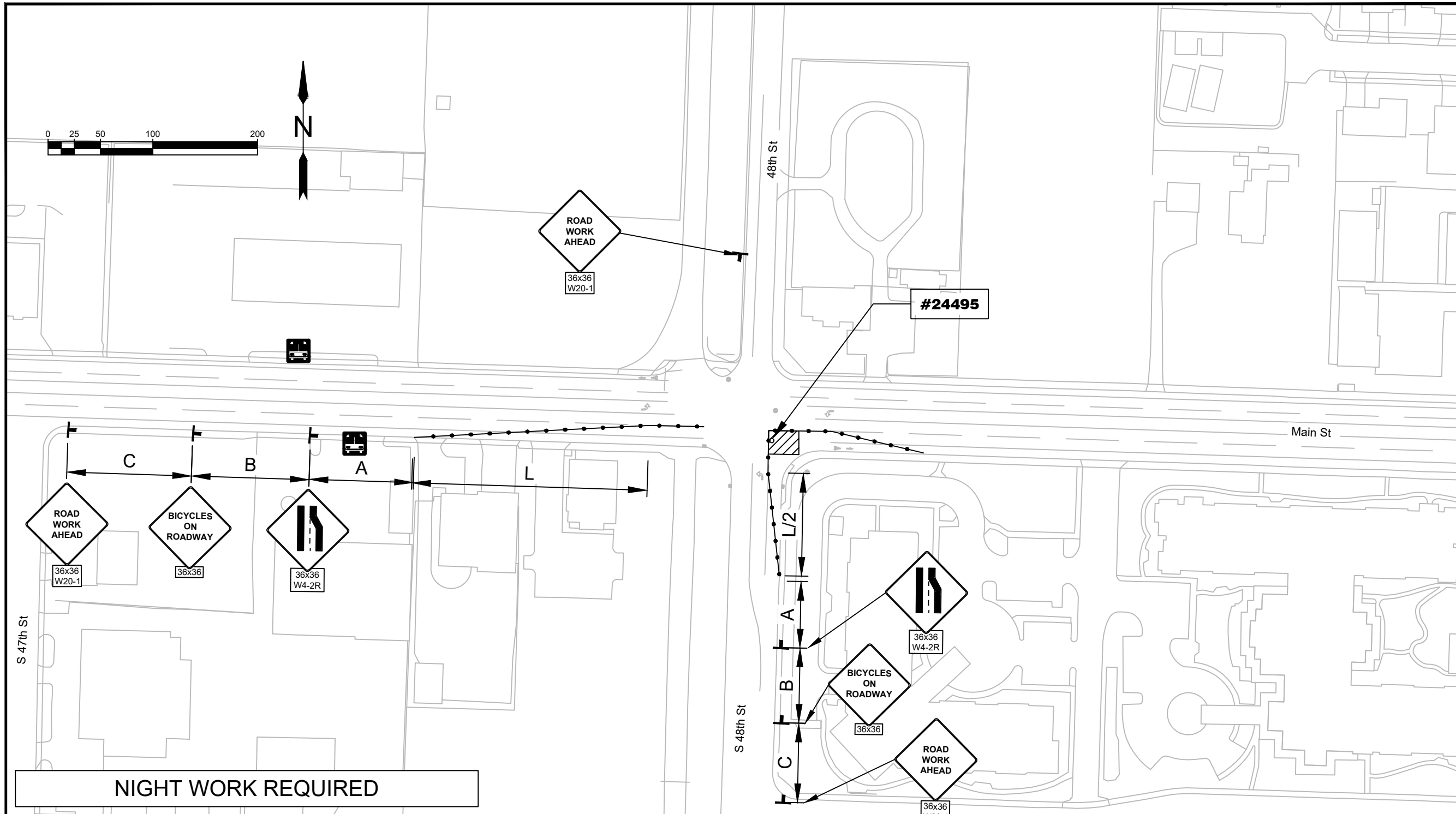
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT) W=Lane or Shoulder Width being closed or shifted				Buffer (FT)
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365



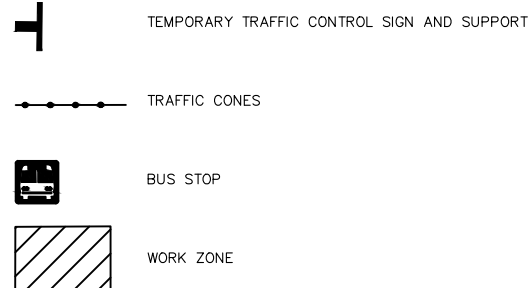


**NIGHT WORK REQUIRED**

**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TOP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**



TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

TAPER FORMULAS	
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
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SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
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35	205	245	285	325	125
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45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365



EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>		<b>SHEET E11</b>
DRAWN BY:	B. JABUSCH	
DESIGNED BY:	B. JABUSCH	
CHECKED BY:	B. BARNETT	

No.	Revision/Issue	Date



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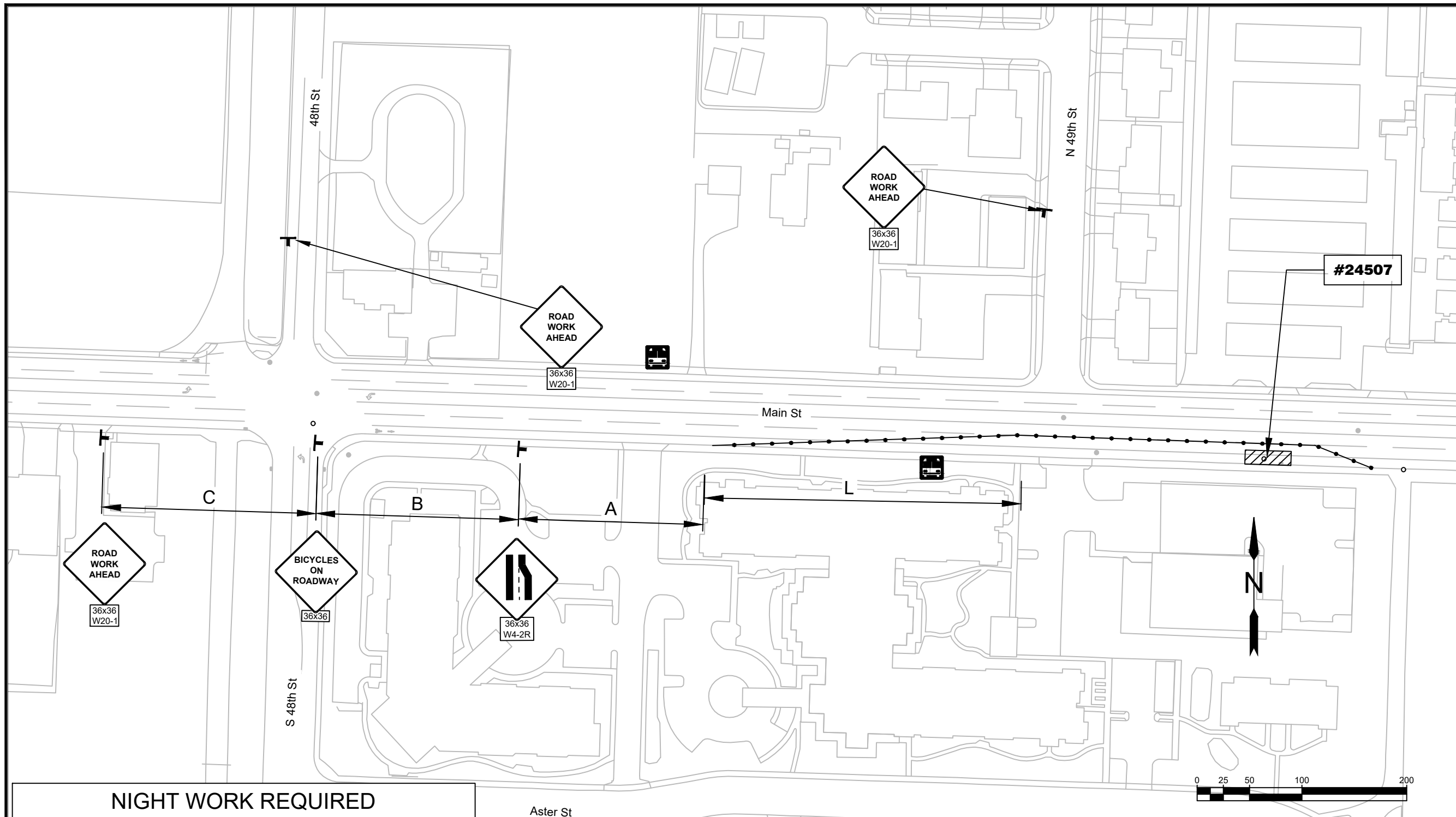
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INTERNET: www.springfield-or.gov



**NIGHT WORK REQUIRED**

- TRAFFIC CONTROL NOTES:**
- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
  - TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
  - DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
  - WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**

- TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
- TRAFFIC CONES
- BUS STOP
- WORK ZONE

**TAPER TYPES & FORMULAS**

TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

**TAPER FORMULAS**

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

**TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE**

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

**MINIMUM LENGTHS TABLE**

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

No. \_\_\_\_\_ Revision/Issue \_\_\_\_\_ Date \_\_\_\_\_

**Know what's below. Call before you dig.**

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**Project P21192  
2024 MAINTENANCE HOLE  
REHABILITATION**

*City of Springfield*

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(541) 726-5735 FAX (541) 726-5889  
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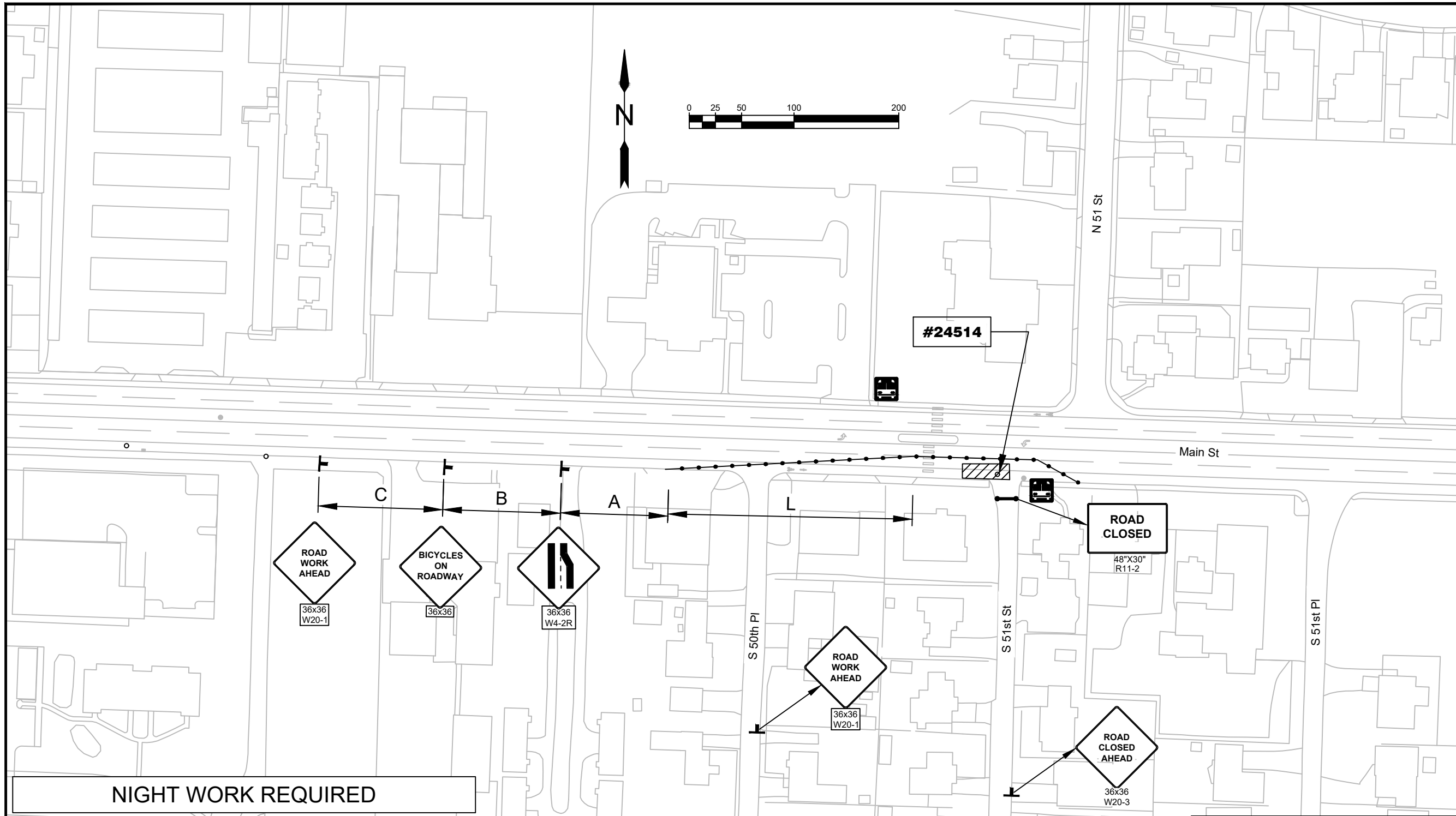
EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

**1" = 100'**

DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: B. BARNETT

**SHEET E12**



No.	Revision/Issue	Date



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INTERNET www.springfield-or.gov



EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

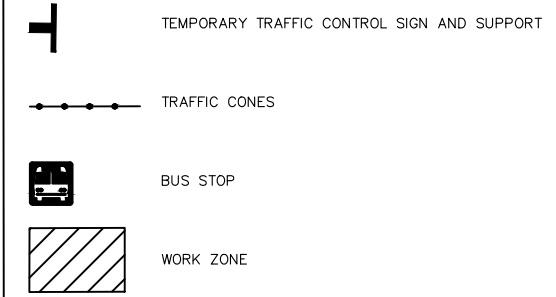
<b>1" = 100'</b>		<b>SHEET E13</b>
DRAWN BY:	B. JABUSCH	
DESIGNED BY:	B. JABUSCH	
CHECKED BY:	B. BARNETT	

**NIGHT WORK REQUIRED**

**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- DELINEATE ALL BUSINESS ACCESSES WITH BLUE TUBULAR MARKERS ON A 10' MAX SPACING. MARK THE ACCESS WITH 36X24" BUSINESS ACCESS SIGNS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**



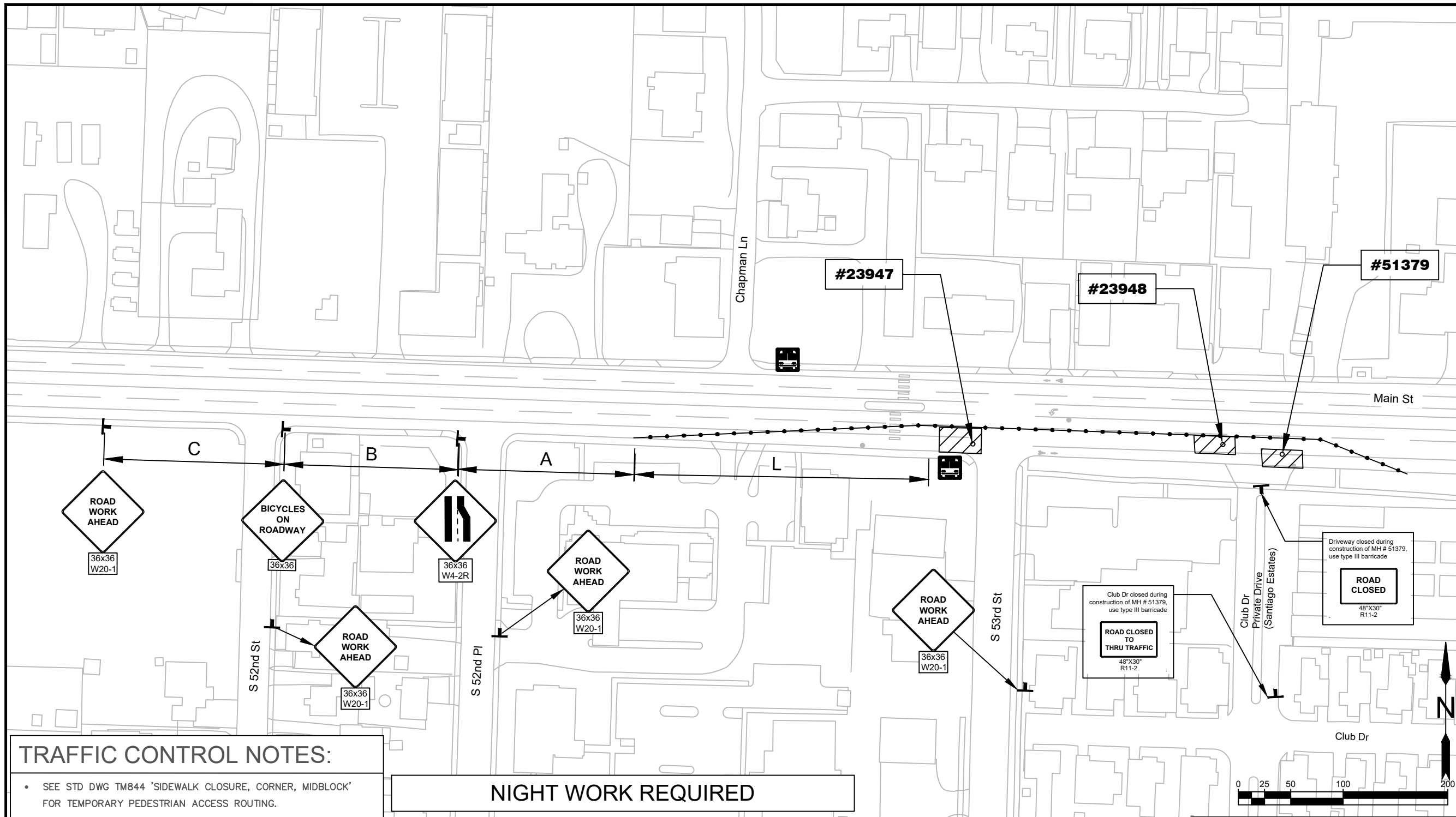
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

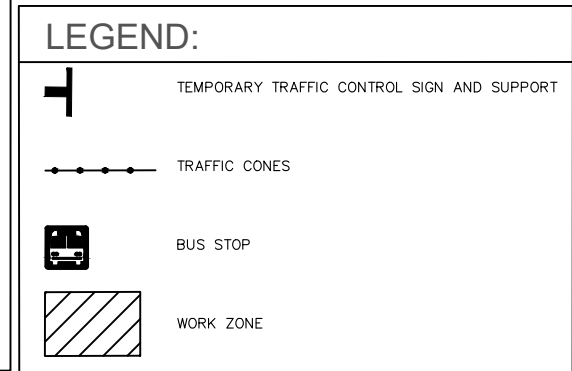




**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- COORDINATE WITH MANUFACTURED HOME PARK 'SANTIAGO ESTATES' FOR TRAFFIC CONTROL IMPACTING MAIN STREET ACCESS.
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**NIGHT WORK REQUIRED**



**TAPER TYPES & FORMULAS**

TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

**TAPER FORMULAS**

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

**TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE**

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

**MINIMUM LENGTHS TABLE**

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
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40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

No.	Revision/Issue	Date



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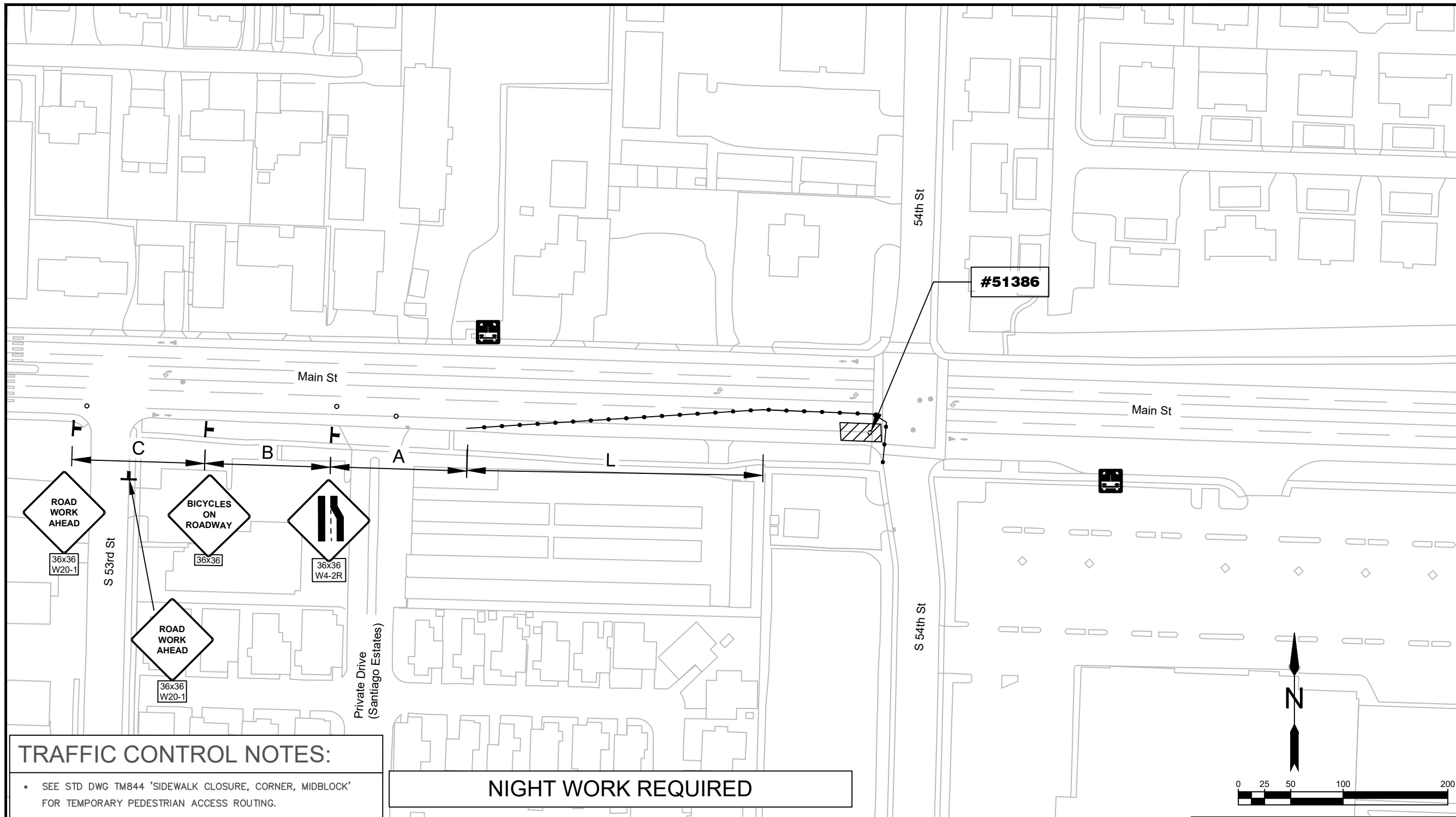


EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

**1" = 100'** **SHEET E14**

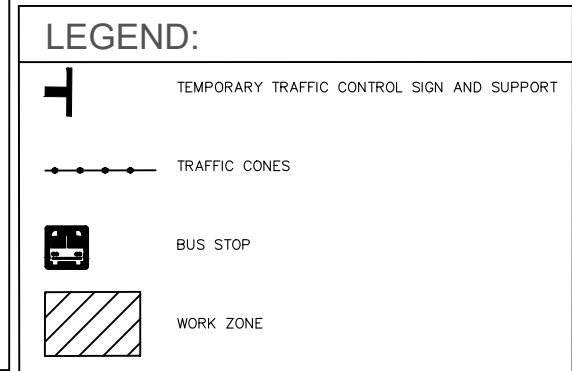
DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: B. BARNETT



**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
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**NIGHT WORK REQUIRED**



**TAPER TYPES & FORMULAS**

TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

**TAPER FORMULAS**

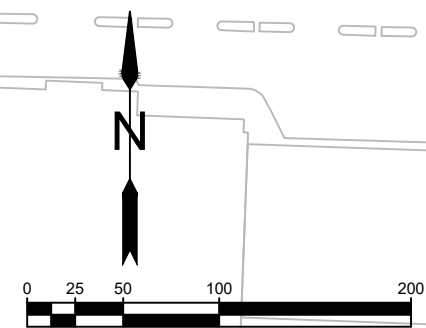
POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

**TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE**

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREWAY	100	1500	2640	40

**MINIMUM LENGTHS TABLE**

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W=Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
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30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365



No. \_\_\_\_\_ Revision/Issue \_\_\_\_\_ Date \_\_\_\_\_

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**EXP DATE: 12-31-2025**

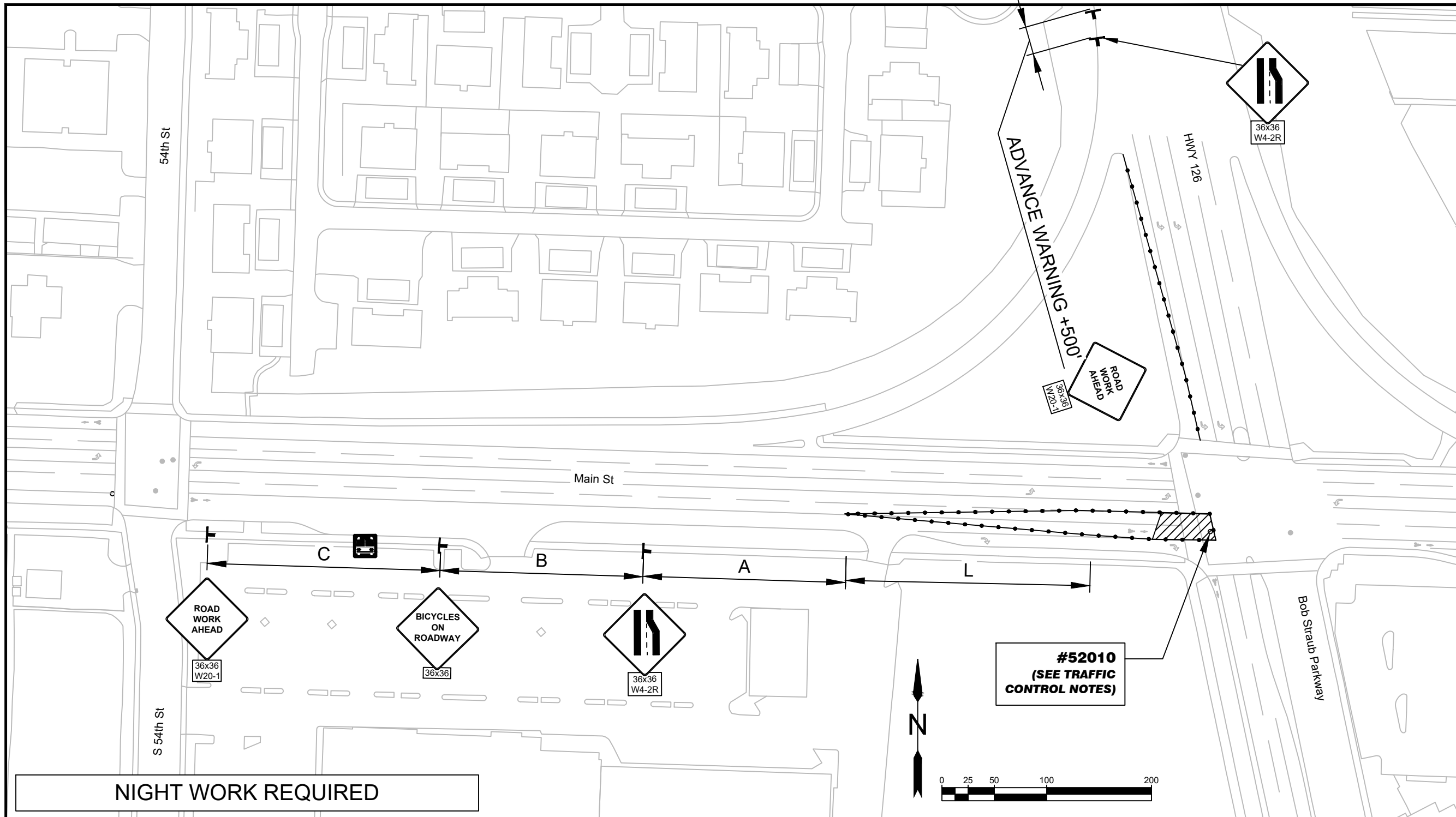
**TEMP TRAFFIC CONTROL**

**1" = 100'**

DRAWN BY: B. JABUSCH  
 DESIGNED BY: B. JABUSCH  
 CHECKED BY: B. BARNETT

**SHEET E15**





No.	Revision/Issue	Date

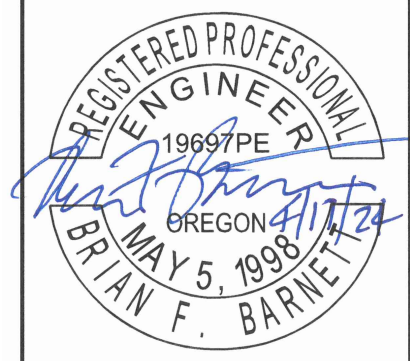


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EXP DATE: 12-31-2025

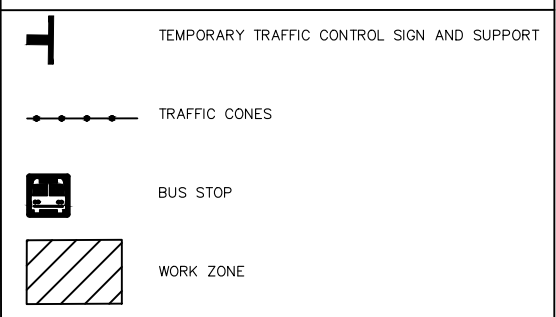
**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>	<b>SHEET E16</b>
DRAWN BY: B. JABUSCH	CHECKED BY: B. BARNETT
DESIGNED BY: B. JABUSCH	

**TRAFFIC CONTROL NOTES:**

- COORDINATE WITH ODOT AND CITY OF SPRINGFIELD OPERATIONS FOR SPLIT-PHASING SIGNAL FOR SB TRAFFIC MOVEMENTS THRU INTERSECTION
- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS.
- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**

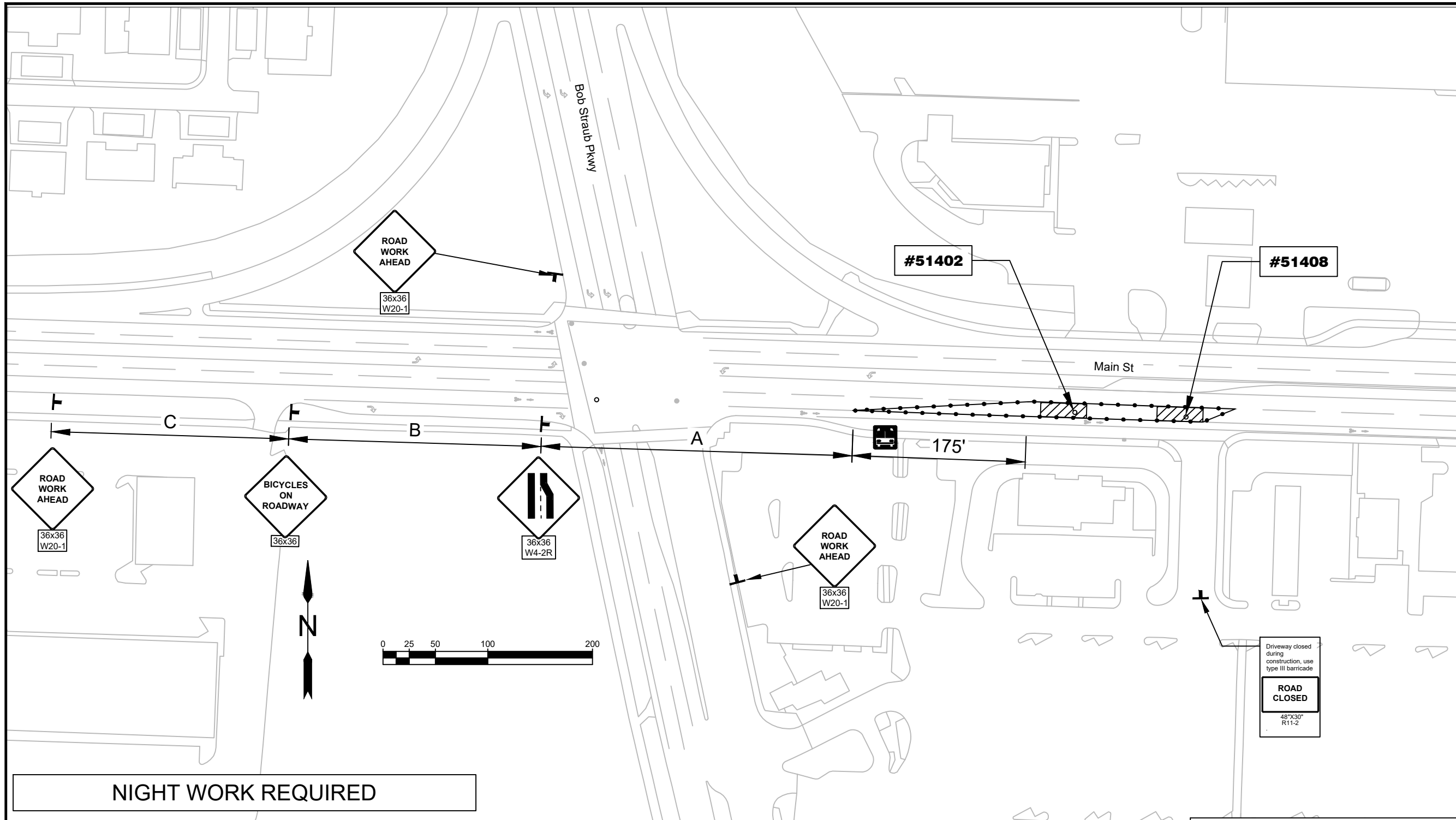


TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
45 MPH OR HIGHER	$L = W \times S$

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

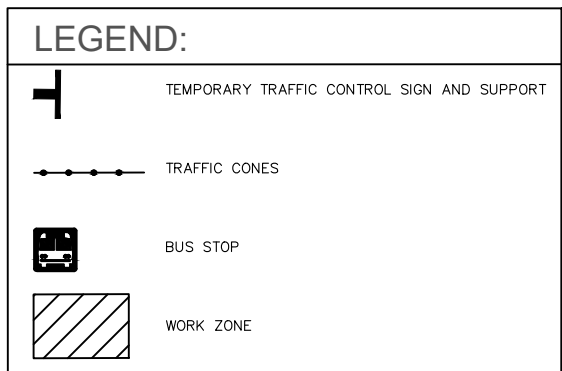
SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365



**NIGHT WORK REQUIRED**

**TRAFFIC CONTROL NOTES:**

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**TAPER TYPES & FORMULAS**

TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

**TAPER FORMULAS**

POSTED SPEED (S)	TAPER LENGTH
40 MPH OR LOWER	$L = (W \times S^2)/60$
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**TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE**

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREWAY	100	1500	2640	40

**MINIMUM LENGTHS TABLE**

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W ≤ 10	W = 12	W = 14	W = 16	
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35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

No.	Revision/Issue	Date



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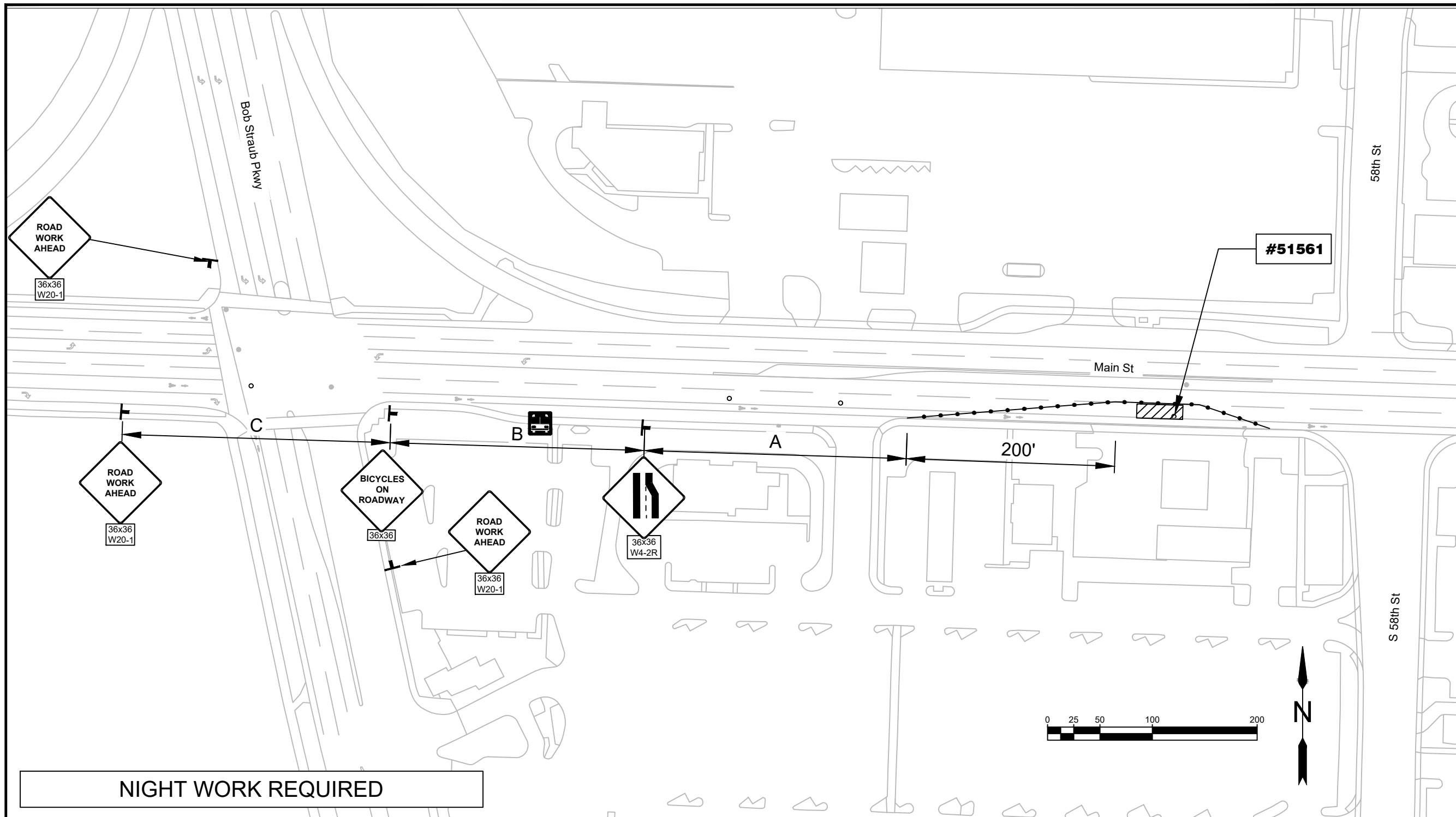


EXP DATE: 12-31-2025

**TEMP TRAFFIC CONTROL**

**1" = 100'** **SHEET E17**

DRAWN BY: B. JABUSCH  
DESIGNED BY: B. JABUSCH  
CHECKED BY: B. BARNETT



No.	Revision/Issue	Date



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EXP DATE: 12-31-2025

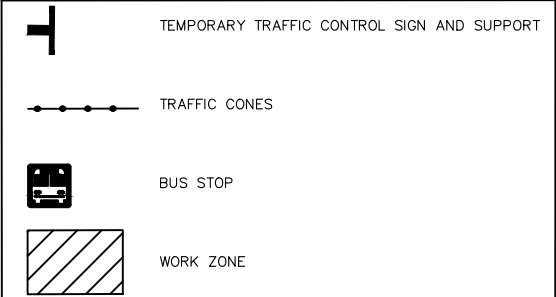
**TEMP TRAFFIC CONTROL**

<b>1" = 100'</b>		<b>SHEET E18</b>
DRAWN BY:	B. JABUSCH	
DESIGNED BY:	B. JABUSCH	
CHECKED BY:	B. BARNETT	

**TRAFFIC CONTROL NOTES:**

- SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING.
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- WHERE "W" IS GREATER THAN 16', FOLLOW ODOT RULES FOR MINIMUM TAPER LENGTHS.

**LEGEND:**



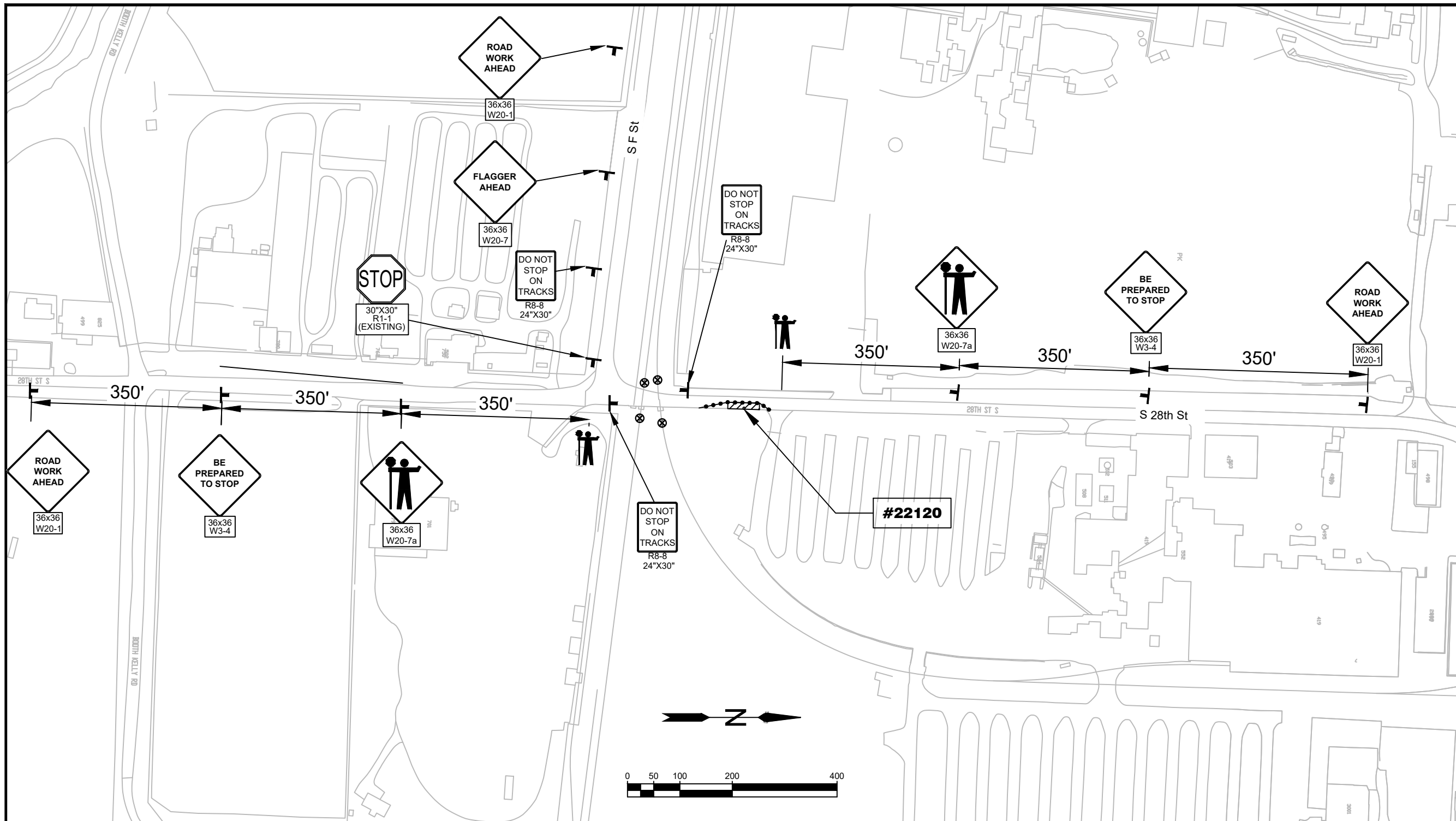
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

POSTED SPEED (S)	TAPER LENGTH
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	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

SPEED (MPH)	"L" VALUE FOR TAPERS (FT)				Buffer (FT)
	W = 10	W = 12	W = 14	W = 16	
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30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365





**TRAFFIC CONTROL NOTES:**

- TCP EQUIPMENT SHALL BE IN ACCORDANCE WITH OTTC SECTION 4.1 SIGNS AND 4.2 BARRICADES, CONES, DRUMS, AND TUBULAR MARKERS
- THE CONTRACTOR SHALL NOTIFY RAIL TRANSIT AUTHORITY PRIOR TO WORK ZONE OPERATIONS IMPACTING RAIL CROSSING

**LEGEND:**

- TEMPORARY TRAFFIC CONTROL SIGN AND SUPPORT
- TRAFFIC CONES
- BUS STOP
- WORK ZONE

No.	Revision/Issue	Date



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**TEMP TRAFFIC CONTROL**

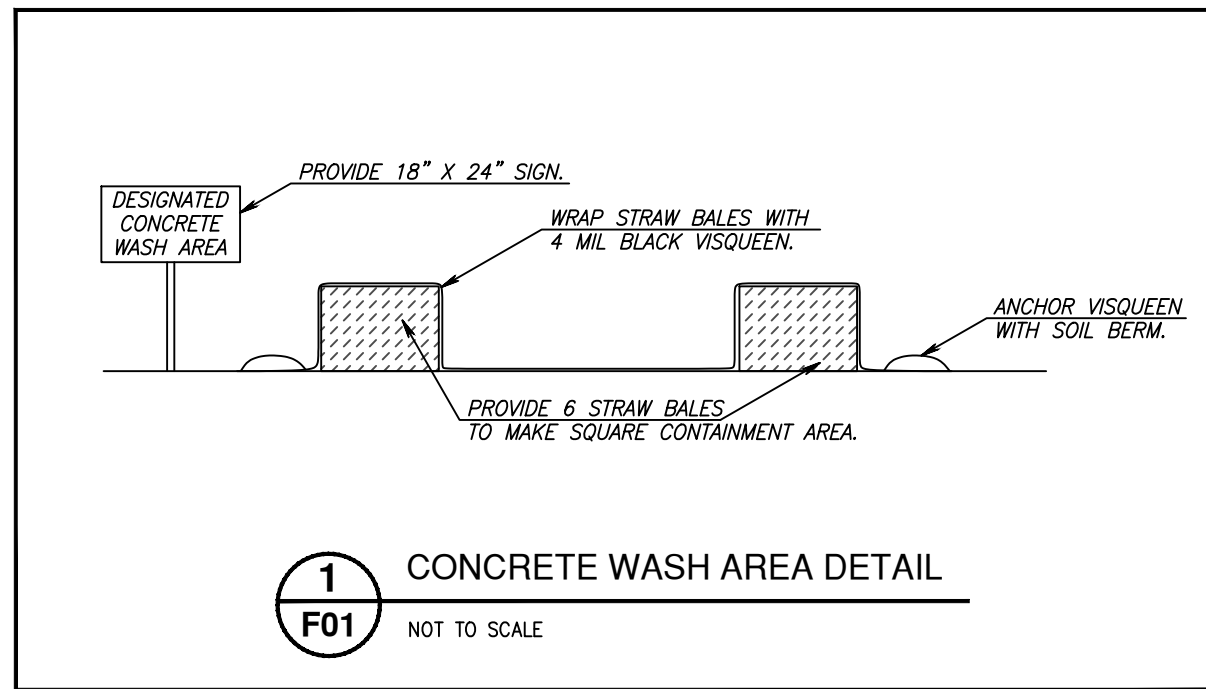
<b>1" = 200'</b>	<b>SHEET E19</b>
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: B. BARNETT	

# NOTES:

1. PLACE INLET/CATCH BASIN PROTECTION AT EXISTING FIXTURES (SEE DETAILS ON SHEET RD1010.)

# GENERAL NOTES:

1. CONCRETE WASHOUTS ARE NOT PROVIDED ON THIS PROJECT
2. SAW CUTTING SLURRY IS TO BE VACUUMED
3. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30) SHALL BE IMMEDIATELY STABILIZED WITH AN APPROVED ESC METHOD (SEEDING & MULCHING WITH STRAW, BARK, COMPOST, OR PLASTIC COVERING, ETC.).



**1**  
**F01** CONCRETE WASH AREA DETAIL  
NOT TO SCALE

# EROSION CONTROL STANDARD NOTES:

- A. Approval of this Erosion and Sedimentation Control Plan (ESCP) does not constitute an approval of permanent road or drainage design (e.g., size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).
- B. Approval of this ESCP does not relieve the permit holder and or the contractor from all other permitting requirements. Prior to beginning construction activities, all other necessary approvals shall be obtained.
- C. An inspection of the erosion control measures by City LDAP staff is required prior to any ground disturbance on the site.
- D. The erosion and sediment control measures shown on the plan are the minimum requirements for anticipated site conditions. During the construction period, these measures shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment-laden water does not leave the site.
- E. The implementation of the ESCP and the construction, maintenance, replacement, and upgrading of the erosion and sediment control measures is the responsibility of the permit holder and or the contractor until all construction is completed and accepted by the City and vegetation/landscaping is established per the required warranty period.
- F. In the event the ESC facilities identified on the ESCP are not functioning properly, the contractor is responsible for immediately implementing changes to the ESCP as directed by the ESCP engineer or his inspector. The engineer, his inspector or the City may stop all construction activity on site until the erosion problem is corrected and all ESC facilities are functioning properly. If the contractor does not immediately implement changes to the ESCP identified by the ESCP engineer or his inspector, the City may implement the necessary changes and require payment from the contractor prior to project acceptance by the City.
- G. The boundaries of the clearing limits shown on this plan shall be clearly flagged in the field by the engineer prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the permit holder and or the contractor for the duration of construction.
- H. The erosion and sediment control measures on active sites shall be inspected and maintained daily and within the 24 hours after any storm event of greater than 0.5 inches of rain per 24 hour period. Measures shall be inspected by the permit holder and or the contractor after each rainfall and at least daily during prolonged rainfall. Any required repairs or adjustments shall be made immediately. The erosion and sediment control measures on inactive sites shall be inspected a minimum of once every two (2) weeks or within 48 hours following a storm event. Written records shall be kept of weekly reviews of the ESC facilities during the wet season (October 1 to April 30) and of monthly reviews during the dry season (May 1 to September 30).
- I. All erosion and sediment control measures shall be protected from damage at all times. Control measures shall remain in place until permanent or temporary re-vegetation has been stabilized. Any measure that is damaged or destroyed shall be repaired or replaced immediately.
- J. Any areas of exposed soils, including roadway embankments, that will not be disturbed for two days during the wet season (October 1 to April 30) or seven days during the dry season (May 1 to September 30) shall be immediately stabilized with an approved ESC method (seeding & mulching with straw, bark, compost, or plastic covering, etc.).
- K. A supply of materials necessary to meet compliance and implement the LDAP or other best management erosion practices under all weather conditions shall be maintained at all times on the construction site.
- L. No hazardous substances, such as paints, thinners, fuels and other chemicals shall be released onto the site, adjacent properties, or into water features, the City's storm water system, or related natural resources.
- M. Street sweeping shall be performed as needed or when directed by the City inspector to ensure public right-of-ways are kept clean and free of debris. Street flushing is prohibited.
- N. When trucking saturated soils from the site, either water-tight trucks shall be used or loads shall be drained on site until dripping has been reduced to no more than one gallon per hour. Sediment laden water will not be allowed to enter the storm water system
- O. Extracted ground water from excavated trenches shall be disposed of in a suitable manner without damage to adjacent property, public storm water system, water features, and related natural resources. Approval of a dewatering system does not guarantee that it will meet compliance or be acceptable for use in all situations. Modifications to the dewatering system will be required if compliance can not be met. At no time will sediment laden water be allowed to leave the construction site.
- P. At no time shall more than one foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.
- Q. Any required stabilized construction entrances and roads shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures, such as wash pads, may be required to ensure that all paved areas are kept clean for the duration of the project.
- R. Any permanent flow control facility used as a temporary settling basin shall be modified with the necessary erosion control measures and shall provide adequate storage capacity.
- S. Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of two to three inches.
- T. In preparation of the wet season, all disturbed areas shall be reviewed to identify which ones can be seeded in preparation for the winter rains. A sketch map of those areas to be seeded and those areas to remain uncovered shall be submitted to the City by September 15. The City can require seeding of additional areas in order to protect surface waters, adjacent properties, or drainage facilities. Disturbed areas identified for seeding shall be seeded prior to the beginning of the wet season (October 1).

No.	Revision/Issue	Date



Know what's below.  
Call before you dig.

UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING UTILITY LOCATIONS PRIOR TO BEGINNING OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES OR THE CORRECT LOCATIONS.

**Project P21192**  
**2024 MAINTENANCE HOLE**  
**REHABILITATION**

*City of Springfield*

**PUBLIC WORKS / ENGINEERING**  
225 FIFTH STREET, SPRINGFIELD, OR 97477  
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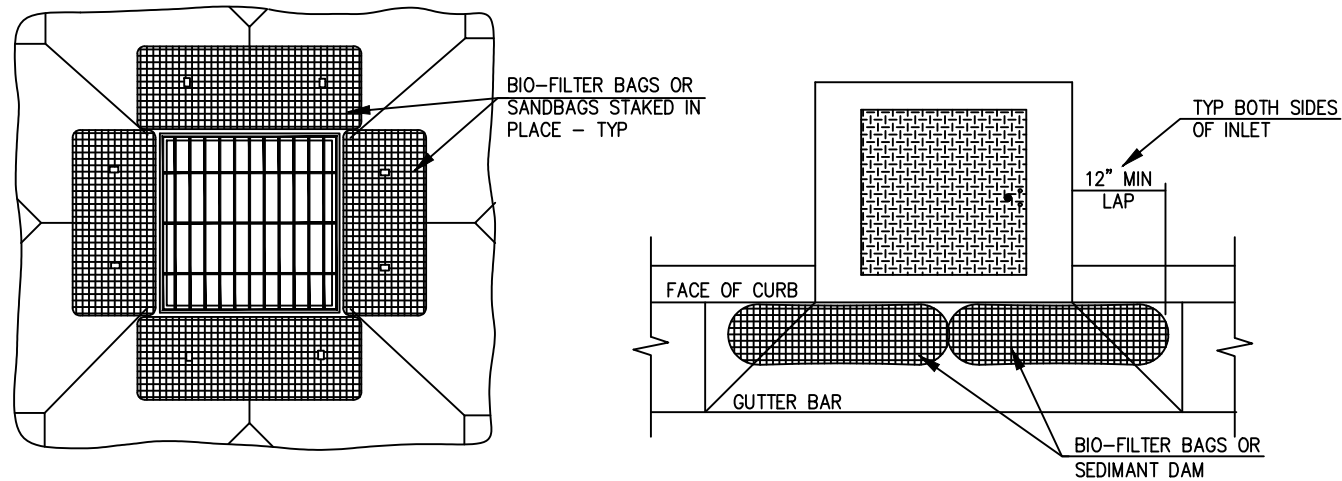


EXP DATE: 06-30-2025

**EROSION CONTROL**

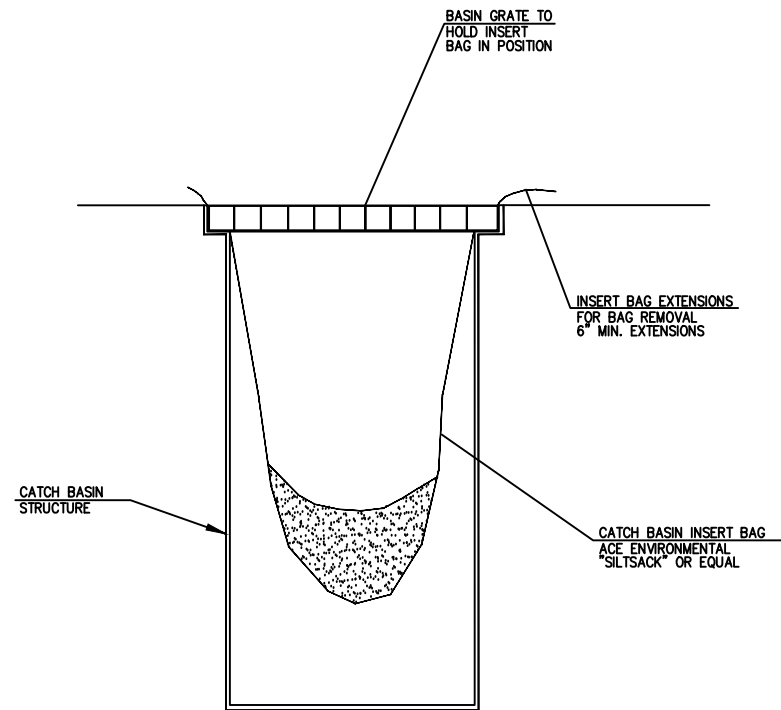
<b>NO SCALE</b>	<b>SHEET</b>
DRAWN BY: B. JABUSCH	<b>F01</b>
DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	





**NOTES**  
 1. PRIOR TO 1st PAVEMENT LIFT, REMOVE BIO-BAG/SANDBAG BARRIERS AND INSTALL BASIN INSERT BAG OR CURB INLET SEDIMENT DAM AT ALL INLET STRUCTURES.

**1**  
**F02** DRAINAGE INLET STRUCTURE PROTECTION  
 NOT TO SCALE

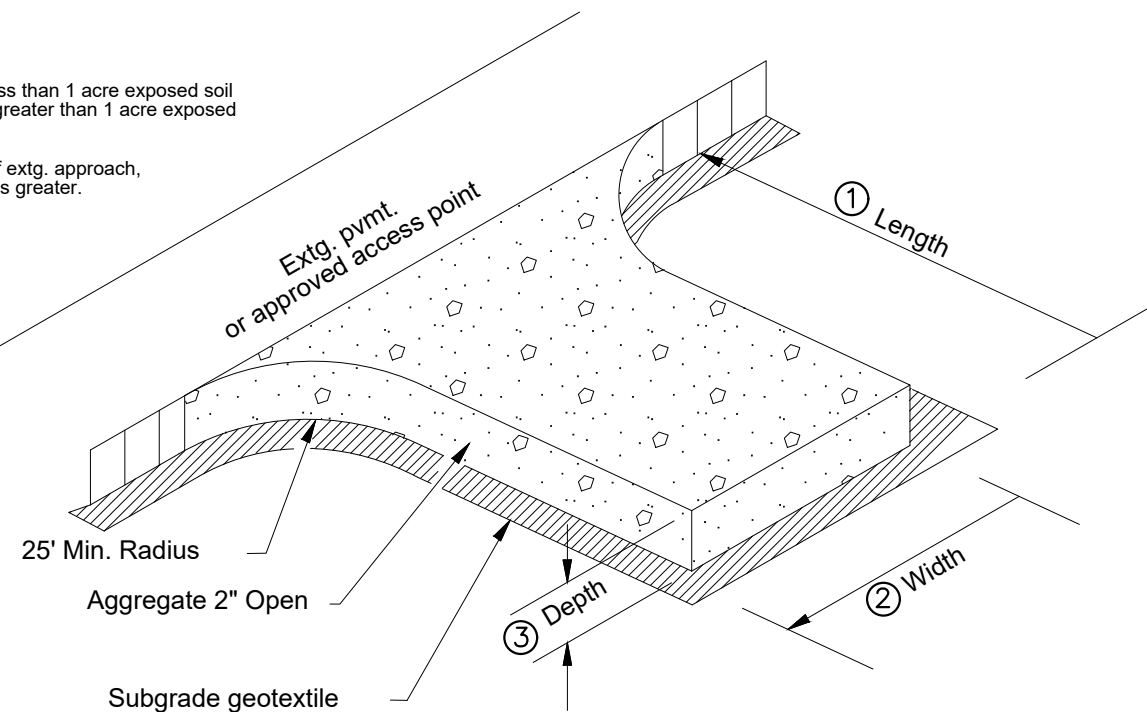


**2**  
**F02** CATCH BASIN INSERT BAG  
 NOT TO SCALE



**INLET PROTECTION**

- Notes:**
- ① Length:  
50' min. - for less than 1 acre exposed soil  
100' min. - for greater than 1 acre exposed soil
  - ② Width:  
20' - or width of extg. approach, whichever is greater.
  - ③ Depth: 8" min



**3**  
**F02** CONSTRUCTION ENTRANCE  
 NOT TO SCALE

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**EROSION CONTROL**

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DESIGNED BY: B. JABUSCH	
CHECKED BY: J. JONES	