



**City of Springfield
Community Development Division**

INVITATION TO BID

for

JASPER RD/DONDEA ST AND FILBERT LANE SCHOOL CROSSING

PROJECT #P21180

A NON-MANDATORY PRE-BID MEETING:	
Date:	Monday, April 3rd, 2023
Time:	10:00 a.m.
Location:	Microsoft Teams meeting Join on your computer, mobile app or room device Meeting ID: 227 831 071 278 Passcode: cDqERT
BID OPENING:	
Date:	Wednesday, April 12th, 2023
Time:	2:00 p.m.
Location:	Microsoft Teams meeting Join on your computer, mobile app or room device Meeting ID: 257 929 934 589 Passcode: mHXExY

The deadline for submitting questions regarding this Invitation to Bid, before bid opening is April 6th, 2023, 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

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. P21180

Title: Jasper Road, Dondea Street and Filbert Lane School Crossing

Description:

Work consists of the installation of a Rectangular Rapid Flashing Beacon (RRFB) with median pedestrian island at the intersection of Jasper Road and Dondea Street for Douglas Gardens Elementary School, and the construction of ADA ramp improvements at the same intersection. As well as, the installation of a Rectangular Rapid Flashing Beacon (RRFB), and the construction of ADA ramp Improvements at the intersection of Jasper Road and Filbert Lane for the Mount Vernon Elementary School.

A NON-MANDATORY pre-bid meeting will be held on **Monday, April 3rd, 2023, at 10:00 am**. The meeting will be held through an online Teams meeting. Please use the link below to attend:

Microsoft Teams meeting

Join on your computer, mobile app or room device

Meeting ID: 227 831 071 278

Passcode: cDqERT

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 **\$25.00** and are available for viewing at this location. Abridged bid documents are available online at [P21180 - Jasper/Dondea and Jasper/Filbert Street Crossings \(Safe Routes to School\) - City of Springfield Oregon \(springfield-or.gov\)](#). *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 **Thursday, April 6th, 2023, by 5:00 p.m.** Contact with other City officials may be grounds for disqualification of the bid. All questions should be addressed to [Amanda Clinton, Contracts Analyst, at 541-726-3628 or aclinton@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** 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, 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: Amanda Clinton, Contracts Analyst, 225 Fifth Street, Springfield, OR 97477, until, but no later than 2:00 pm Local Time, **Wednesday, April 12th, 2023 until 1:59pm (closed for lunch from 12:00 p.m to 1:00 p.m.) and opened immediately at 2:00pm** online in a Teams meeting for the construction of the following public works improvement project in the City of Springfield:

Microsoft Teams meeting

Join on your computer, mobile app or room device

Meeting ID: 257 929 934 589

Passcode: mHXExY

Published: Daily Journal of Commerce, Creswell Cronicle and Oregonbuys

ITB3 Rev 02/23/2019

Solicitation Number S3293



City of Springfield
 225 Fifth Street
 Springfield, OR 97477

Bid Submittal

Project No. P21180

Project Title: Jasper Rd-Dondea St-Filbert Ln School Crossing

Bid Items:

Item No.	Description	Payment Specification Number	Approx. Quantity	Per	Unit Price	Total Price Extension
Project Location 1: Jasper Rd and Dondea St RRFB Crossing						
Construction Bid Items						
1	Mobilization	00210.90	1	LS		
2	Temporary Work Zone Traffic Control - Complete	00221.98(b)	1	LS		
3	Erosion Control	00280.90	1	LS		
4	Removal of ADA Ramp, Walk, Curb, Surfacing	00310.92(i)	27	CY		
5	Clearing and Grubbing	00320.90	1	LS		
6	Horizontal Directional Drilling	00406.90(a)	140	FT		
7	Level 3, 1/2-inch Dense Asphalt Concrete Pavement (ACP)	00744.90(a)	9	TN		
8	Truncate Domes on New Surface	00759.90(l)	72	SF		
9	4-inch Concrete Sidewalk	00759.90(q)	281	SF		
10	Concrete ADA Ramps	00759.90(r)	745	SF		
11	Concrete Curb and Gutter	00759.90(s)	50	LF		
12	4-inch Concrete Walk, Median	00759.90(t)	80	SF		
13	5-inch Concrete Island	00759.90(u)	150	SF		
14	Bi-directional Yellow Type I Marker	00855.90(c)	6	EA		
15	Longitudinal Pavement Marking – Paint: White 8-inch	00860.90	10	FT		
16	Pavement Bar Type B-HS: White 12-inch	00867.90(t)	20	FT		
17	Pavement Bar Type B-HS: White 24-inch	00867.90(u)	50	FT		
18	Remove Existing Sign Assemblies	00905.90(c)	3	EA		
19	Remove and Reinstall Existing Sign Assemblies	00905.90(d)	1	EA		
20	Signs, Standard Sheeting, Aluminum Sheeting	000940.90(b)	7	SF		
22	2-inch Rigid Nonmetallic Conduit	00960.90(a)	140	FT		
22	Junction Box	00960.90(b)	3	EA		
23	Rectangular Rapid Flashing Beacon Installation, Complete in Place	00990.90(h)	1	LS		
Project Location 1 Bid Item Total:						

Item No.	Description	Payment Specification Number	Approx. Quantity	Per	Unit Price	Total Price Extension
Project Location 2: Jasper Rd and Filbert Ln RRFB Crossing						
Construction Bid Items						
24	Mobilization	00210.90	1	LS		
25	Temporary work Zone Traffic Control - Complete	00225.90(b)	1	LS		
26	Erosion Control	00280.90(a)	1	LS		
27	Removal of ADA Ramp, Walk, Curb, Surfacing	00310.92(i)	15	CY		
28	Horizontal Directional Drilling	00406.90(a)	324	FT		
29	Adjusting Inlets	00490.90(c)	2	EA		
30	Level 3, 1/2-inch Dense Asphalt Concrete Pavement (ACP)	00744.90(a)	8	TN		
31	Truncated Domes on New Surface	00759.90(l)	20	SF		
32	4-inch Concrete Sidewalk	00759.90(q)	180	SF		
33	Concrete ADA Ramps	00759.90(r)	355	SF		
34	Concrete Curb and Gutter	00759.90(s)	52	LF		
35	Remove Existing Sign Assemblies	00905.90(c)	2	EA		
36	2-inch Rigid Nonmetallic conduit	00960.90(a)	324	FT		
37	Junction Box	00960.90(b)	2	EA		
38	Rectangular Rapid Flashing Beacon Installation, Complete in Place	00990.90(h)	1	LS		
Project Location 2 Bid Item Total:						
TOTAL OF ALL BID ITEM :						

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 Project P21180 in accordance with this Bid, the Contract Plans, Section 100 of the City of Springfield Standard Construction Specifications, 2021 Edition and all subsequent modifications, Parts 00200 through 03000 of the 2021 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 Section 103.01 of the City's most recent version of the Standard Construction Specifications.

This Bid includes two separate project locations as identified below. Individual Bids shall be submitted for each of the two project locations. The project locations are:

Project Location 1 – Jasper Rd and Dondea St RRFB Crossing

Project Location 2 – Jasper Rd and Filbert Ln RRFB Crossing

The lowest responsive Bidder shall be determined based on the Bidder who submits the lowest responsive total Bid for the two Project Locations combined. However, should the City determine it is not in the best interest of the City to award a contract for the two Project Locations the Bid shall be awarded to the Bidder who submits the lowest responsive combined total Bid for the Project Locations the City determines will be awarded.

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 108.07 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

Work under this Bid will not be allowed to begin until the current Springfield School District school year has concluded, and all students have been released for the summer. At this time, the estimated the earliest starting date is June 20th, 2023. The Contractor shall not begin work until a written Notice to Proceed has been received and a pre-construction meeting has been held, and no sooner than the approved starting date shown in the Notice to Proceed. The Contractor shall complete the work under this Bid no later than August 11th, 2023.

The Contractor shall apply for any extensions of time as specified in Subsection 108.06 of the Standard Construction Specifications.

Certifications

The undersigned hereby certifies that:

- 1.) If awarded the Contract, 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 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 to 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 the 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.

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 104.02 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 _____

E-mail Address _____

Date _____



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 NAME: _____
PROJECT # _____

Dated:

Parties: City of Springfield "CITY"
A Municipal Corporation of the State of Oregon
225 5th 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 2021 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 \$ [redacted] 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).



CITY OF SPRINGFIELD


Special Provisions for

P21180

Jasper Rd, Dondea St and Filbert Lane School Crossing

For current City of Springfield General Conditions go to:
<https://springfield-or.gov/wp-content/uploads/2022/06/2021-CertifiedLPAGeneralCondition-Eugene-Springfield-Edits-for-Website-6.22.pdf>

PROFESSIONAL OF RECORD CERTIFICATION:

 <p>REGISTERED PROFESSIONAL ENGINEER 58377PE OREGON July 15, 2003 KRISTI S. KRUEGER EXPIRES: 6/30/23</p>	<p>I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for temporary features & appurtenances, roadwork, drainage, bases and wearing surfaces. Modified Special Provisions were prepared by me or under my supervision.</p> <p>Sections 00210.90, 00280.90, 00310.92(i), 00320.90, 00744.90(a), 00759.90(l), 00759.90(q), 00759.90(r), 00759.90(s), 00759.90(t), 00759.90(u), 00210.90 00225.90(b), 00280.90(a), 00310.92(i), 00490.90(c), 00744.90(a), 00759.90(l), 00759.90(q), 00759.90(r), 00759.90(s)</p>
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FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST



CITY OF SPRINGFIELD

Special Provisions for

P21180

Jasper Rd, Dondea St and Filbert Lane School Crossing

For current City of Springfield General Conditions go to:
<https://springfield-or.gov/wp-content/uploads/2022/06/2021-CertifiedLPAGeneralCondition-Eugene-Springfield-Edits-for-Website-6.22.pdf>

PROFESSIONAL OF RECORD CERTIFICATION:

	<p>I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for temporary features and appurtenances, temporary traffic control, electrical plans, signs and pavement marking, and rectangular rapid flashing beacon. Modified Special Provisions were prepared by me or under my supervision.</p> <p>00221.98(b), 00406.90(a), 00855.90(c), 00860.90, 00867.90(t), 00867.90(u), 00905.90(c), 00905.90(d), 00940.90(b), 00960.90(a), 00960.90(b), 00990.90(h), 00406.90(a), 00905.90(c), 00960.90(a), 00960.90(b), 00990.90(h)</p>
<p>EXP DATE: 12-31-2023</p>	

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

SPECIAL PROVISIONS

Scope of Work

P21180 – Jasper Rd-Dondea St-Filbert Ln School Crossing

B1. GENERAL

B 1.1 Project Description

Work consists of the installation of a Rectangular Rapid Flashing Beacon (RRFB) with median pedestrian island at the intersection of Jasper Road and Dondea Street for Douglas Gardens Elementary School, and the construction of ADA ramp improvements at the same intersection. As well as, the installation of a Rectangular Rapid Flashing Beacon (RRFB), and the construction of ADA ramp Improvements at the intersection of Jasper Road and Filbert Lane for the Mount Vernon Elementary School.

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.

Utility	Contact's Name Address Email Phone Number
Comcast	Gabriel Norbury 2871 Chad Drive Eugene, OR 97408 Gabriel_Norbury@comcast.com 541-731-1498
SUB Electric	Dan Norland 1001 Main St Springfield, OR 97477 DanN@subutil.com 541-744-3784
Lumen	Luke Pilon 1762 W 2 nd Ave Eugene, OR 97402 Luke.Pilon@lumen.com 458-221-7430
NW Natural	Monte Brown 790 Goodpasture Island Rd Eugene, OR 97402 Monte.Brown@nwnatural.com 541-954-1255
SUB Water	Keoki Lapina 202 South 18 th St Springfield, OR 97477 KeokiL@subutil.com 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. There is a high-pressure line at Jasper/ Filbert and Jasper/ Dondea project site.

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 with 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. No construction activities are to take place prior to June 16th (last day of school) or after school begins in the fall of 2023. Construction is not to take place while school is in session, refer to Springfield Public School District calendar for exact dates.

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 open at all times. In the event that 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 00160 – SOURCE OF MATERIALS

Comply with Section 00160 of the 2021 Oregon Standard Specifications for Construction modified as follows:

After the sentence that begins with “**(a) Contractor’s Duties...**”, add the following:

Due to procurement lead-times for RRFB components, the Contractor shall arrange for delivery of RRFB components at the earliest opportunity following execution of the Contract and item submittal approval as to not cause delay in construction schedule. Comply with section 00195.60 Advance Allowance for Materials on Hand for advance procurement.

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the 2021 Oregon Standard Specifications for Construction.

Section 00220 – ACCOMMODATIONS FOR PUBLIC TRAFFIC

Comply with Section 00220 of the 2021 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, Amanda Clinton (aclinton@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 Amanda Clinton (aclinton@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

SECTION 00221 – COMMON PROVISIONS FOR WORK ZONE TRAFFIC CONTROL

Comply with Section 00221 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00221.02 General Requirements

Add the following:

Two-way traffic on Jasper Rd must be always maintained. Flagging operations can be used at the Contractor's expense and not charged to the project.

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 2 and Bid Item 25. 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 2021 Oregon Standard Specifications for Construction modified as follows:

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

- At least ten Calendar Days before closing the sidewalks, place a "SIDEWALK CLOSED, Full Time" (CW11-4) sign in advance of each future closure point. Locate the sign so it is legible from the nearest alternate pedestrian pathway facing incoming pedestrian traffic. The sign may be mounted between the

panels of a Type II barricade or on a single-post TSS. Do not place the sign or sign support such that it narrows the pedestrian pathway to a width of less than 4 feet.

- 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 00223 - WORK ZONE TRAFFIC CONTROL LABOR AND VEHICLES

Comply with Section 00223 of the 2021 Oregon Standard Specifications for Construction

00223.31(b) Traffic Control Inspection Without TCS

SECTION 00224 - TEMPORARY TRAFFIC CHANNELIZING DEVICES

Comply with Section 00224 of the 2021 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 00225 - TEMPORARY PAVEMENT MARKINGS

Comply with Section 00225 of the 2021 Oregon Standard Specifications for Construction.

SECTION 00228 - TEMPORARY PEDESTRIAN AND BICYCLIST ROUTING

Comply with Section 00228 of the 2021 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 2021 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 F01.1, F01.2, F02.1, and F02.2 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 Items 3 and 26, will be on a Lump Sum (LS) Basis.

00280.90 Payment

Erosion Control, Bid Items 3 and 26, will be paid on a Lump Sum (LS) basis.

SECTION 00310 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Comply with Section 00310 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00310.92 Separate Item Basis - Add the following Pay Item to the Pay Item list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(i) Removal of ADA Ramp, Walk, Curb, Surfacing (Bid Items 4 and 27)	Cubic Yard (CY)

Add the following to the end of this subsection:

Item (i) includes all removal work associated with curb ramp replacement, and island construction.

No separate or additional payment will be made for PCC Saw Cutting, Asphalt Pavement Saw Cutting, or asphalt removal; item shall be counted as incidental to Item (i). Calculations are based on a 6-inch asphalt depth.

SECTION 00320 – CLEARING AND GRUBBING

00320.01 Areas of Work

Delete this section in its entirety and replace it with the following:

The area of clearing and grubbing work for this project is shown on Sheet BA01.1.

00320.80 Measurement

Delete this section in its entirety and replace it with the following:

The quantities for clearing and grubbing work performed under this section will be measured according to the Lump Sum Basis. Under this method, no measurement will be made.

00320.90 Payment

At the end of this Section, add the following:

Clearing and grubbing, Bid Item #5, will be paid on the Lump Sum Basis.

SECTION 00406 – TUNNELING, BORING AND JACKING

Comply with Section 00406 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00406.00 Scope – Delete this subsection in its entirety and replace it with the following:

“This work consists of installing conduits, pipes, casings, linings and sleeves by tunneling, boring, jacking and horizontal directional drilling without excavating the overlying surface.”

00406.01 Descriptive Terms – Add the following:

Horizontal Directional Drilling (HDD) – Horizontal Directional Drilling includes all methods by which a conduit, casing, pipe or sleeve is pushed or pulled into place and in which the excavation method precludes the stationing of a worker within the conduit without stopping or removing the excavation equipment.

00406.41 Required Submittals - Delete this subsection in its entirety.

00406.80 Measurement – Delete this subsection in its entirety and replace it with the following:

Horizontal Directional Drilling, Bid Items 6 and 28, shall be measured on a per Foot (FT) basis.

00406.90 Payment – Delete this subsection in its entirety and replace it with the following:

The additional effort required to install conduits, pipes, casings, linings, and sleeves by tunneling, boring, or jacking is incidental to Bid Items 6 and 28, Horizontal Direction Drilling. Payment will be payment in full for furnishing and placing all materials and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

Payment for HDD shall be separate from the Lump Sum payment for the remainder of the Rectangular Rapid Flashing Beacon Installation paid under Bid Items 23 and 38, Rectangular Rapid Flashing Beacon Installation, Complete in Place.

Add the following pay item:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(a) Horizontal Directional Drilling (Bid Items 6 and 28)	Foot (FT)

SECTION 00490—WORK ON EXSITING SEWERS AND STRUCTURES

Comply with Section 00490 of 2021 Oregon Standard Specifications for Construction modified as follows:

00490.00 Scope—Add the following:

Work will consist of removal and replacement of concrete surrounding existing frame and cover of curb inlet to the required grade.

00490.90 Payment

Payment for Adjusting Inlets, Bid Item #29, will be paid under specification 00490.90(c).

SECTION 00744 –ASPHALT CONCRETE PAVEMENT

Comply with Section 00744 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00744.00 Scope - Add the following:

Level 3, 1/2-inch Dense Asphalt Concrete Pavement (ACP) shall be the Lane County 2023 Approved Mix.

Level 3, 1/2-inch Dense Asphalt Concrete Pavement (ACP), Bid Items 7 and 30, shall match back to existing thickness, including required compacted aggregate base. See Plan Sheet BA01.1-BA04.1 of Dondea Street location and B01.2 & B05.2 of Filbert Lane location for visual representation of the pay limits. Hot Mix ACP shall

be used. All work is incidental to existing surfacing replacement and shall be included in the bid price for ACP. No additional payment will be made for surface damaged or otherwise removed outside the pay width limit.

00744.17 Acceptance - Delete this subsection, except for the number and title, and replace it with the following:

If the average for each mix gradation constituent and asphalt content is within specification limits, the material will be accepted. If the average asphalt content or one or more of the gradation constituents is not within the specification limits, the acceptance or rejection of the material will be determined as shown below.

The City of Springfield will coordinate with the Contractor and Lane County for testing.

The Contractor shall furnish materials and shall perform work in close conformance to the contract documents. If the Project Engineer determines that the materials furnished or the work performed are not in close conformance with the contract documents, the Project Engineer may:

- Reject the materials or work and order the Contractor, at the Contractor's expense, to remove, replace, or otherwise correct any non-conformity; or
- Accept the materials or work as suitable for the intended purpose, adjust the amount paid for applicable material or work to account for diminished cost to the Contractor or diminished value to the City, document the adjustment, and provide written documentation to the Contractor regarding the basis of the adjustment.

00744.90 Payment - Delete this subsection, except for the number and title, and replace it with the following:

The accepted quantity of ACP incorporated into the project will be paid for at the contract unit price, per Ton (TN), for item Level 3, 1/2-inch Dense Asphalt Concrete Pavement (ACP) Mixture, Bid Item 7 and 30.

Payment will be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

No separate or additional payment will be made for:

- Asphalt cement, mineral filler, lime, and anti-stripping or other additives.

Add the following pay item:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(a) Level 3, 1/2-inch Dense Asphalt Concrete Pavement (ACP) (Bid Item 7 and 30).....	TON

SECTION 00759 – MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES

Comply with Section 00759 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00759.00 Scope - Add the following to the end of this subsection:

Removal limits shall be determined in the field by the Engineer prior to removal. Saw-cutting, demolition, disposal of debris, excavation, adjacent topsoil, seeding, bark mulch, and landscape restoration are incidental to the following bid items:

4-inch Concrete Sidewalk; Bid Items 9 and 32, shall be constructed according to City of Springfield Standard

Drawing 3-12. This item applies only to sidewalk outside Concrete ADA Ramp limits. See Sheets BA01.1-BA03.1 of the Dondea Street location and B01.2 & B05.2 of the Filbert Lane location for a visual depiction of pay limits for these items. Compacted $\frac{3}{4}$ " – 0" aggregate base shall be used and is incidental to the bid item.

Concrete ADA Ramps; Bid Items 10 and 33, shall be constructed according to Plan Sheets BB01.1-BB04.1 of Dondea Street location and Sheets B03.2 & ~~B07.2~~ of Filbert Lane location. **Sidewalk transition panels from top of ramp to existing sidewalk shall be paid under 4-inch Concrete Sidewalk, Bid Items 9 and 32.** Raised Concrete Curbs within the ramp area as identified on sheet B01.2 of the Filbert Lane location shall be incidental to Bid Items 10 and 33, Concrete ADA Ramps. Curb and gutter adjacent to Concrete ADA Ramp is incidental to Bid Items 10 and 33; see Sheets BA01.1-BA03.1 of the Dondea Street location and B01.2 & B05.2 of the Filbert Lane location for a visual depiction of pay limits for these items. Compacted $\frac{3}{4}$ " – 0" aggregate base shall be used and is incidental to the bid item. All Asphalt Concrete Paving (ACP) associated with Bid Items 10 and 33 is included in the quantity of Bid Items 7 and 30, Level 3, $\frac{1}{2}$ -inch Dense Asphalt Concrete Pavement. No additional payment will be made for bringing ACP back to existing thickness.

4-inch Concrete Walk, Median; Bid Item 12, shall be constructed according to plan sheets BA04.1 and BB04.1 of the Dondea Street location. Concrete curb immediately adjacent to this walk are included in the quantity of Bid Item 13, 5-inch Concrete Island. Compacted $\frac{3}{4}$ " – 0" aggregate base shall be used and is incidental to the bid item.

5-inch Concrete Island; Bid Item 13, shall be constructed according to plan sheets BA04.1, BB05.1 and D01.1 of the Dondea Street location. Concrete curb on median island is incidental to this bid item. R4-7 'Keep Right' Sign Support Footing is incidental to this bid item. Compacted $\frac{3}{4}$ " – 0" aggregate base shall be used and is incidental to the bid item.

00759.50(a) General - Add the following paragraphs to the end of this subsection:

Install truncated domes as shown. Place according to the manufacturer's recommendation. Install abutting truncated dome panels with no more than 1/4-inch spacing. Install anchors along cut edges of truncated dome panels according to manufacturer's recommendations.

In addition, finish concrete surfaces of structures to be within the established slopes and dimensions allowed by the standard drawings and plans. Repair or remove and replace structures not meeting the standard drawings and plans at no additional cost to the agency.

Submit a corrective action plan for each non-compliant structure after receiving notice of non-compliance from the Engineer. Perform correction of defects according to 00759.55.

00759.50(c) Driveways, Walks, and Surfacing's - Replace this subsection, except for the subsection number and title, with the following:

Prevent segregation of the concrete during placement. Remove edging tool marks prior to final finishing. Lightly cross-broom the surface to a uniform texture. Do not trowel joints or edges after brooming surface.

The 24-inch smart level will be used to measure driveway and sidewalk cross slopes on the Pedestrian Access Route.

00759.50(d) Curb Ramps - Replace this subsection, except for the subsection number and title, with the following:

Prevent segregation of the concrete during placement. Remove edging tool marks prior to final finishing. Lightly cross-broom the surface to a uniform texture. Do not trowel joints or edges after brooming surface.

The 6-inch smart level will be used to measure curb running slope. The 6-inch smart level will be used to measure slopes on portions of the curb ramp, gutter pan, or adjacent surfaces that cannot accommodate a 24-inch smart level. All other curb ramp locations will use a 24-inch smart level to measure slopes.

Add the following subsection:

00759.55 Correction of Deficient Structures - Unless otherwise approved, notify the Engineer before performing corrective action. Correct deficiencies at no additional cost to the Agency. Perform corrective actions as directed, according to the approved corrective action plan, and according to the following:

- (a) **Minor Corrective Action** - Submit Equipment and procedure for minor corrective action to the Engineer for approval. Minor corrective action can be performed to correct a deficiency up to 1 square foot per panel. Limit minor corrective action to one area per panel. Perform minor corrective action according to the following:
 - (1) **Concrete Grinding** - Grinding to correct high area deficiencies is limited to 3/16 inch. Use equipment meeting the requirements of 00759.23. Resurface all ground concrete surfaces according to 00759.55(a)(2).
 - (2) **Concrete Resurfacing** - Resurfacing to correct low area deficiencies is limited to 3/16 inch depth. Existing concrete is to be at least 7 Days old prior to resurfacing. Resurface repair areas according to the following:
 - a. **Keyway** - Sawcut a keyway at the boundaries of repair areas that are not already defined by panel control joints. Sawcut is to be 1/8 inch wide by 1/4 inch deep. Bevel inside edge of keyway at a 45-degree angle.
 - b. **Surface Preparation** - Prepare limits of repair area by grinding using Equipment from 00759.23. After grinding, sandblast the surface of the repair area. Clean the surface using a low-pressure washer, less than 5,000 psi.
 - c. **Presoak** - Presoak the repair area for a minimum of 30 minutes to saturated surface dry. Prior to resurfacing, ensure there is no ponding water on the surface.
 - d. **Resurface** - Provide concrete resurfacer from the QPL according to 02015.60; refer to QPL remarks to select an appropriate material based on allowable installation depths. Furnish resurfacer in a color that closely matches the color of surrounding concrete surfaces. Mask boundaries of the repair area. Use hand tools to work resurfacer into keyways and match existing grades at boundaries. Apply a light broom finish to achieve a non-slip surface.
 - e. **Curing and Return to Traffic** - Wet cure for a minimum of 1 hour or per the manufacturer's recommendation, whichever is more restrictive. Follow manufacturer's recommendation for return to traffic time.
 - (3) **ACP Grinding** - Taper grind to match existing Pavement with a minimum grinding width of 1 foot for each 1/4 inch of ACP removed.
- (b) **Acceptance of Structures** - Once the corrective work or replacement has been completed, acceptance will be based on the Engineer's inspection and approval of the Structure.

00759.80 Measurement – Delete the paragraph titled "Area Basis" in its entirety and replace it with the following:

- **Area Basis** – Measurement will be of the finished surface excluding vertical and/or battered faces, limited to neat Lines shown or directed.

00759.90 Payment –Add the following pay items to the pay item list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(q) 4-inch Concrete Sidewalk (Bid Items 9 and 32)	Square Foot (SF)
(r) Concrete ADA Ramps (Bid Items 10 and 33).....	Square Foot (SF)
(s) Concrete Curb and Gutter (Bid Item 11 and 34)	Linear Foot (LF)
(t) 4-inch Concrete Sidewalk, Median (Bid Item 12)	Square Foot (SF)
(u) 5-inch Concrete Island (Bid Item 13).....	Square Foot (SF)

Item (u) is measured by the top surface area of constructed island.

No separate or additional payment will be made for:

- Curb ramp Working Drawings
- Curb ramp plan
- Preplacement conference
- Concrete form verification
- Any necessary repair or removal and replacement of curb ramps
- Providing supervisory personnel who have an active ODOT ADA Certification for Contractors to directly supervise the curb ramp Work
- Developing corrective action plans

SECTION 00850 - COMMON PROVISIONS FOR PAVEMENT MARKINGS

Comply with Section 00850 of the 2021 Oregon Standard Specifications for Construction.

00850.10 Materials - Replace this subsection, except for the subsection number and title, with the following:

(a) **Thermoplastic**

- (1) **Type B-HS: Preformed, Fused Thermoplastic Film High Skid** - Type B-HS, Preformed Fused Thermoplastic Film High Skid, Pre-Mark Vizigrip (Non-Slip), 125 mil, by Ennis-Flint or approved equivalent for all Type B-HS: Preformed, Fused Thermoplastic Film High Skid items.

Furnish the following Materials from the QPL:

- Adhesive for Pavement Markers
- High Performance Pavement Markings
- Pavement Markers
- Reflective Elements*
- Marking Paint
- Marking Tape

* Reflective elements used with materials other than marking paint are not required to be from the QPL. Use reflective elements according to the manufacturer's recommendations.

00850.47(c) Retro reflectivity - Replace the sentence that begins "Except for paint applications..." with the following sentence:

Except for paint and colored lane marking applications, evaluate longitudinal and transverse marking retro reflectivity according to ODOT TM 777.

SECTION 00860 - LONGITUDINAL PAVEMENT MARKINGS - PAINT

Comply with Section 00860 of the 2021 Oregon Standard Specifications for Construction modified as follows.

00860.00 Scope - Add the following to the end of this subsection:

Contractor shall replace all striping removed or damaged through construction activities.

It is the Contractor's responsibility to verify all existing striping locations prior to construction.

00860.90 Payment - Add the following to the end of this subsection:

No separate or additional payment will be made for stripe, legend or bar removal as required to install permanent pavement markings as shown.

SECTION 00867 – TRANSVERSE PAVEMENT MARKINGS – LEGENDS AND BARS

Comply with Section 00867 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00867.00 Scope – Add the following to the end of this subsection:

All new pavement markings shall be completed using City approved thermoplastic material. Contractor shall replace all striping removed or damaged through construction activities outside the removal area at the Contractor's expense. Removal of existing pavement markings is considered incidental.

It is the Contractor's responsibility to verify all existing striping locations prior to construction.

00867.45 Installation – Beginning with the sentence "Apply one or more of the following marking material types:" add the following:

Under "**Type B-HS: Preformed, Fused Thermoplastic Film High Skid**" add the following:

Install preformed Thermoplastic Type B-HS, Pre-Mark Vizigrip (Non-Slip)", 125 mil, by Ennis-Flint or approved equivalent, shall be used for the following:

- Pavement Bar Type B-HS: White 12-inch (Bid Item 16)
- Pavement Bar Type B-HS: White 24-inch (Bid Item 17)

00867.75 Manufacturer's Warranty – In the sentence which begins "Furnish a manufacturer warranty that unconditionally ..." delete "00170.85(c)(1) and replace it with the following:

Manufacturer Warranties - The Contractor shall furnish warranties from the Manufacturer and signed by a Manufacturer's Representative.

The warranty period will be specified in the applicable Specification Section for which it applies. The warranty period will begin on the date the final payment is issued to the Contractor, unless otherwise specified in the Contract.

When the Agency makes written notification to the Manufacturer of failure of an item covered by this warranty, the warranty period will stop for the effected item or the portion of the effected item that failed, as applicable, until the required repairs or replacements are made and accepted. All repaired or replaced items shall meet current specifications, unless otherwise specified in the Contract, and will be warranted for the remaining warranty period.

If, in the opinion of the Engineer, temporary repairs are necessary, the temporary repairs will be made by the Agency or an independent contractor at the Manufacturer's expense. The Manufacturer shall replace all temporary repairs at no additional cost to the Agency.

The Manufacturer shall provide all required traffic control during repair or replacement of failed items at no additional cost to the Agency. Warranty work shall be performed when weather permits.

Delete the last sentence of the first paragraph which begins "Use Agency-supplied warranty..." in its entirety.

00867.90 Payment - Add the following pay items to the pay item list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(t) Pavement Bar Type B-HS: White 12-inch (Bid Items 16).....	Foot (FT)
(u) Pavement Bar Type B-HS: White 24-inch (Bid Items 17).....	Foot (FT)

No separate or additional payment will be made for stripe, legend, or bar removal as required to install permanent pavement markings as shown.

SECTION 00905 – REMOVAL AND REINSTALLATION OF EXISTING SIGNS

Comply with Section 00905 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00905.40 Construction — Add the following to the end of this subsection:

Signs that are removed but not reinstalled shall be delivered to the City representative with the following contact information:

Bob Finsand
Maintenance Tech Crew Chief
rfinsand@springfield-or.gov
(541) 726-1673

00905.80 Measurement — Delete this subsection, except for the number and title, and replace it with the following:

Measurement for Remove Existing Sign Assemblies, Bid Items 18 and 35, shall be on a per Each (EA) basis. All signs on an individual pole are considered an assembly.

00905.90 Payment - Add the following pay item to the pay item list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(c) Remove Existing Sign Assemblies (Bid Items 18 and 35)	Each (EA)
(d) Remove and Reinstall Existing Sign Assemblies (Bid Items 19)	Each (EA)

SECTION 00920 - SIGN SUPPORT FOOTINGS

Comply with Section 00920 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00920.80 Measurement – Delete this section, except for the number and title, and replace it with the following:
 All sign support footings shall be considered incidental to Bid Items 18 and 35.

SECTION 00930 - METAL SIGN SUPPORTS

Comply with Section 00930 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00930.80 Measurement - Delete this section, except for the number and title, and replace it with the following:

The quantities of Work performed under this section will be measured by quantity of sign support installations. Sign support footings shall be considered incidental to this work.

SECTION 00940 – SIGNS

Comply with Section 00940 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00940.00 Scope - Add the following to the end of this subsection:

All new school zone crossing signage is considered incidental to Bid Items 23 and 38, Rectangular Rapid Flashing Beacon Installation, Complete in Place. R4-7 'Keep Right' signs, as shown on Sheet D01.1 of the Dondea Street location, is incidental to Bid Item 13, 5-inch Concrete Island.

SECTION 00960 - COMMON PROVISIONS FOR ELECTRICAL SYSTEMS

Comply with Section 00960 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00960.30 Licensed Electricians - Replace the paragraph that begins "According to the Oregon Administrative Rule ..." with the following paragraph:

According to the Oregon Administrative Rule 918-282-0120(1), no person or entity shall allow any individual to perform electrical work for which the individual is not properly registered or licensed. Every person who installs electrical systems on the Project shall submit a copy of their electrical license or apprentice registration to the Engineer prior to performing any Work. They must be licensed as an S or a J under Oregon Administrative Rule 918-282.

Add the following subsection:

00960.42(c) Connecting Non-Metallic Conduit to Metallic Conduit - Use a nonmetallic female threaded connector to connect the nonmetallic conduit to the metallic conduit.

00960.46 Service Cabinet and Electrical Energy - Replace this subsection, except for the subsection number and title, with the following:

Install service cabinet and associated equipment, then arrange for the Utility providing power to have the service cabinet inspected and make the electrical hook-up prior to field testing. Field test according to 00990.70(g) for traffic signals, or according to 00970.70 for illumination.

Table 00960-1 contains Utility contact information to arrange for the Utility to make electrical hookups:

Table 00960-1

Utility	Utility Contact Person's Name, Email and Phone Number
SUB Electric	Dan Norland DanN@subutil.com 541-744-3784

Electrical energy costs will be billed to the Agency for permanent installations.

SECTION 00990 – TRAFFIC SIGNALS

Comply with Section 00990 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00990.00 Scope - Add the following:

Traffic signal foundations and all associated work shall be considered incidental to the Rectangular Rapid Flashing Beacon Installation, Complete in Place, Bid Items 23 and 38, and shall be drilled shafts conforming with Section 00963 of the Oregon Standard Specifications for Construction. No additional payment will be made for drilled shafts. The Contractor should be prepared to use temporary casing to maintain an open hole. Temporary casing should be removed as concrete is being placed.

Rectangular Rapid Flashing Beacon Installations shall be Eltec Brand RRFB Network System Controller (NSC) Model SL55, or approved equivalent. All poles, signage on the signal poles, wiring, voice audible push buttons, flashing bars, controllers and any other associated equipment necessary for a complete flashing beacon system, as shown on the plans, are considered incidental to Bid Items 23 and 38, Rectangular Rapid Flashing Beacon Installation, Complete in Place.

00990.45 Construction - Add the following subsection:

Pedestrian Pushbutton - Install voice audible push buttons in cast aluminum housing with yellow powder coat finish, and watertight O-ring seals. Push buttons shall be Polara iNX or approved equivalent.

00990.90 Payment – Delete pay item (f) Flashing Beacon Installation and replace it with the following:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(h) Rectangular Rapid Flashing Beacon Installation, Complete in Place (Bid Items 23 and 38) ...Lump Sum (LS)	

END OF SECTION

PREVAILING WAGE RATE INFORMATION

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

<https://www.oregon.gov/boli/WHD/PWR/Pages/PWR-Rate-Publications---2019.aspx>

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 with an effective date of **January 1st, 2023.***

The following Amendments to the Prevailing Wage Rates for Public Works Contracts in Oregon also apply;

N/A

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.

If you have prevailing wage rate questions, please contact the Wage and Hour Division's Prevailing Wage Rate Unit at 971-245-3844, Option 2, or PWR.Email@boli.oregon.gov.

CITY OF SPRINGFIELD

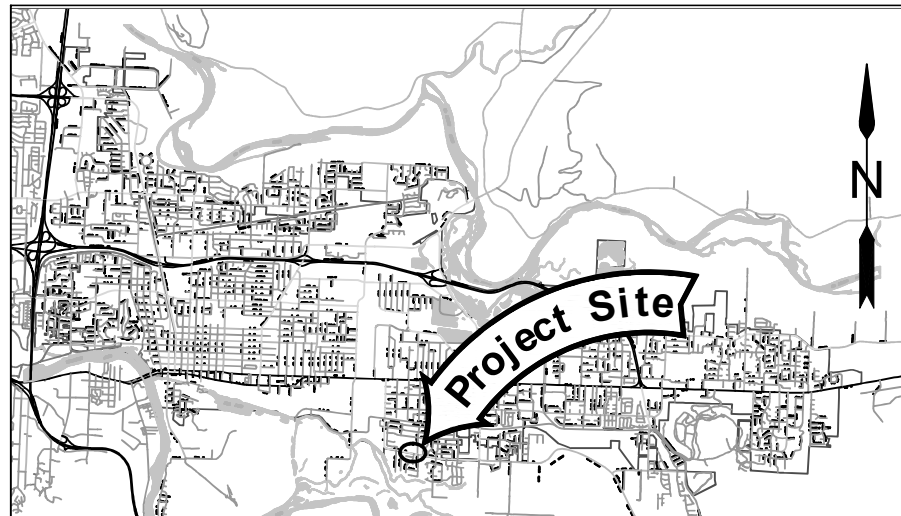
DEVELOPMENT & PUBLIC WORKS

Project P21180

Jasper Rd-Dondea St-Filbert Ln School Crossings

PROJECT LOCATION #1-JASPER RD AND DONDEA ST

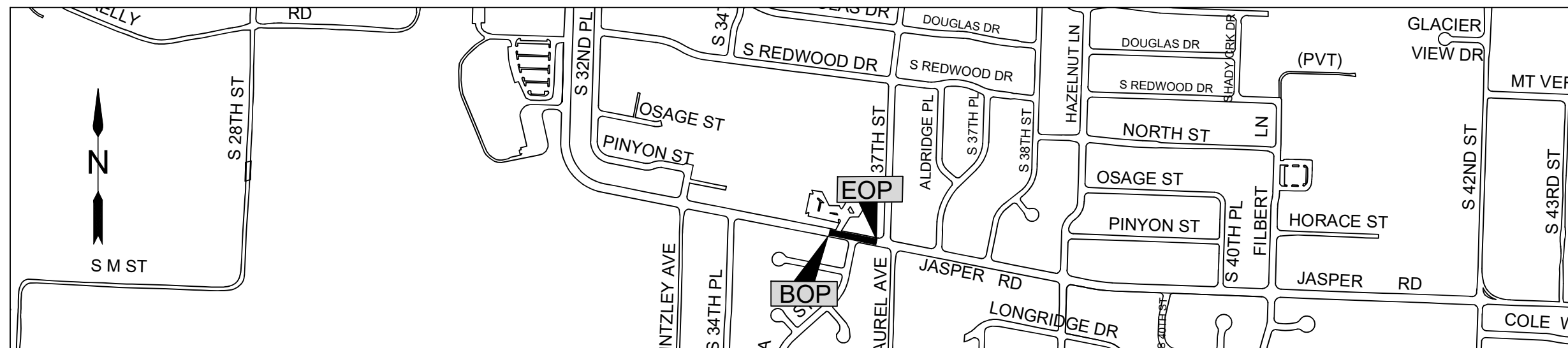
SCHOOL ZONE RECTANGULAR RAPID FLASHING BEACON, CROSSWALK WITH CENTER ISLAND, ADA CURB RAMPS, SIGNING, STRIPING



NOTES

1. TOPO PERFORMED WITH THE TRIMBLE S6 TOTAL STATION AND TRIMBLE R8 GPS/RTK BETWEEN 6/6/19 & 6/27/19
2. HORIZONTAL DATUM IS NAD 83/91
3. VERTICAL DATUM IS NAVD88

VICINITY MAP



SHEET INDEX

SHEET NO.	DESCRIPTION
A01.1-A04.1	TITLE, LEGEND/ABBR, GEN NOTES
BA01.1-BA04.1	CURB RAMP PAY LIMITS
BB01.1-BB04.1	CURB RAMP DETAILS
C01.1	CONSTRUCTION DETAILS
D01.1	ISLAND CONSTRUCTION DETAILS
E01.1-E05.1	TRAFFIC CONTROL
F01.1-F02.1	EROSION CONTROL
L01.1-L02.1	SIGN DETAILS
M01.1-M07.1	ELECTRICAL DETAILS
Q01.1-Q02.1	PERMANENT PAVEMENT MARKINGS

STANDARD DRAWINGS

DWG NO.	DESCRIPTION
3-8	CURB AND GUTTER REMOVAL AND REPLACEMENT
3-12	SIDEWALK CONSTRUCTION
5-18	ROADSIDE SIGN INSTALLATION DETAIL
5-18a	ROADSIDE SIGN LAYOUT DETAILS
ESD0074	TRENCHING DETAILS, PROCEDURES & POLICIES
ESD0106	UNDERGROUND SERVICE FED FROM OVERHEAD
TM300	ILLUMINATION CONTROL CABINETS
TM471	TRENCHING & CONDUIT INSTALLATION
TM472	TRAFFIC SIGNAL JUNCTION BOXES/ HAND HOLDS
TM503	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM530	INTERSECTION PAVEMENT MARKINGS
TM677	SIGN MOUNTS
TM844	SIGNALIZED INTERSECTION DETAILS



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Project P21180
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City of Springfield

PUBLIC WORKS / ENGINEERING
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PHONE (541) 726-3753 FAX (541) 726-3689
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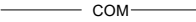
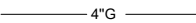
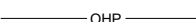







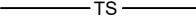

















TITLE SHEET

NO SCALE	SHEET A01.1
DRAWN BY: B. JABUSCH	OF 64
DESIGNED BY: B. JABUSCH	
CHECKED BY: K. KRUEGER	

ABBREVIATIONS

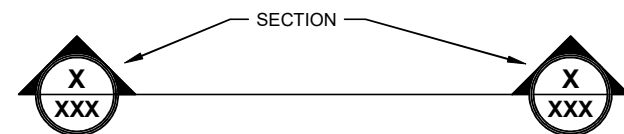
AB	AGGREGATE BASE	DI	DUCTILE IRON	INV	INVERT	RCP	REINFORCED CONCRETE PIPE
ABAN	ABANDON(ED)	DIA	DIAMETER	LAT	LATERAL	RD	ROAD
ACP	ASPHALTIC CONCRETE PAVEMENT	DR	DRIVE	LDAP	LAND DRAINAGE & ALTERATION PERMIT	REINF	REINFORCE(D)(ING)(MENT)
AD	AREA DRAIN	DWG	DRAWING	LF	LINEAL FEET	REQ'D	REQUIRED
ADA	AMERICANS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

LEGEND

- COMMUNICATION LINE  COM
- GAS LINE (DIA SHOWN)  4"G
- OVERHEAD LINES  OHP
- POWER LINE  E
- PROPERTY LINE  P/L
- STORMWATER DRAINAGE  SD
- RIGHT OF WAY (ROW) LINE  ROW
- SANITARY LINE  SS
- TV LINE  TV
- TRAFFIC DETECTION LINE  TS
- TRAFFIC DETECTION LOOP  TDL
- WATER LINE (DIA SHOWN)  16"W
- CATCH BASIN 
- COMMUNICATION BOX 
- FIRE HYDRANT 
- GAS VALVE 
- JUNCTION BOX 
- POLE 
- POWER POLE/LIGHT 
- SIGN 
- STORM DRAIN-CURB INLET 
- SANITARY MANHOLE 
- TREE/BUSH/SHRUB 
- TRUNCATED DOME 
- UTILITY VAULT 
- WATER VALVE 
- WATER METER 
- GUTTER FLOW DIRECTION 

SECTION, MATCHLINE, AND DETAIL DESIGNATIONS

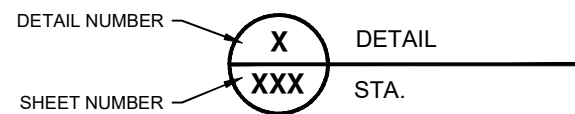
SECTION DESIGNATIONS



MATCHLINE DESIGNATIONS

MATCH LINE STA XX+XX SEE SHEET XXX

DETAIL DESIGNATIONS



No.	Revision/Issue	Date



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Project P21180
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City of Springfield
SPRINGFIELD OREGON
PUBLIC WORKS / ENGINEERING
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EXP DATE: 06-30-2023

ABBREVIATIONS, LEGEND

NO SCALE	SHEET A02.1 OF 64
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: K. KRUEGER	

GENERAL CONSTRUCTION NOTES:

- A. ALL MATERIALS AND WORKMANSHIP WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS SHALL MEET 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 OF 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 STANDARDS.
- N. THIS PROJECT SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT 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. STD.SPEC. 104.08.
- U. REQUESTS BY THE CONTRACTOR FOR CHANGES SHALL BE APPROVED BY THE ENGINEER AND THE CITY IN WRITING PRIOR TO IMPLEMENTATION.
- V. CONTRACTOR SHALL BE AWARE IF PAVING IS NOT SCHEDULED OR DOES NOT OCCUR PRIOR TO OCTOBER 15TH, WET WEATHER PROVISIONS INCLUDING ADDITIONAL ROCK SUBSTRUCTURE AND GEOTEXTILE FABRIC SHALL USED. REFER TO STANDARD SPECIFICATION SECTION 301.1.01 AND THE TYPICAL CROSS SECTIONS CONTAINED HEREIN FOR DETAILS.
- W. THE CONTRACTOR SHALL VERIFY EACH EXISTING SANITARY AND STORM CONNECTION.

No.	Revision/Issue	Date



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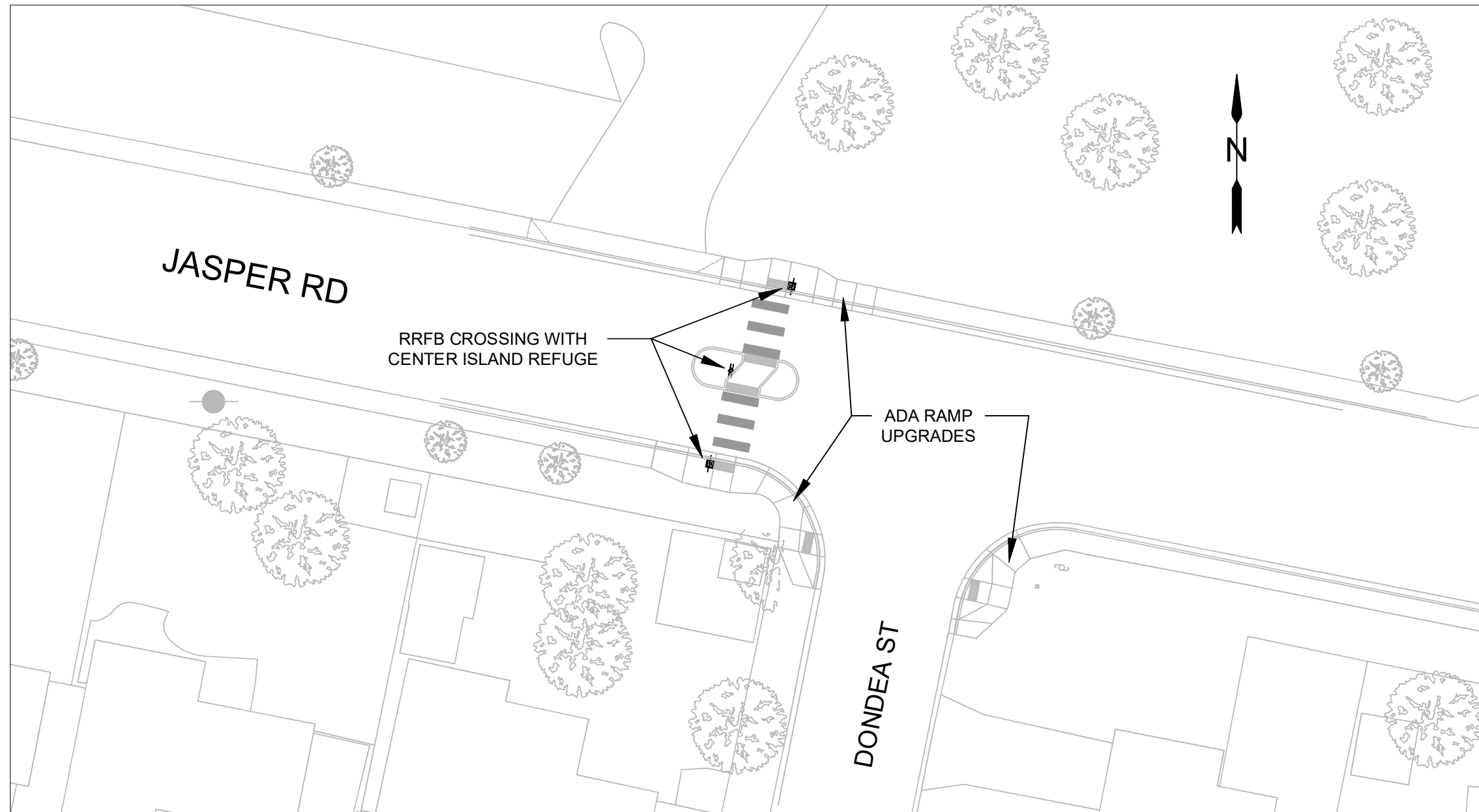
EXP DATE: 06-30-2023

GEN. CONSTRUCTION NOTES

NO SCALE
DRAWN BY: B. JABUSCH
DESIGNED BY: B. JABUSCH
CHECKED BY: K. KRUEGER

SHEET A03.1
OF
64

PROJECT LOCATION #1 JASPER RD AT DONDEA ST: PLAN VIEW



No.	Revision/Issue	Date



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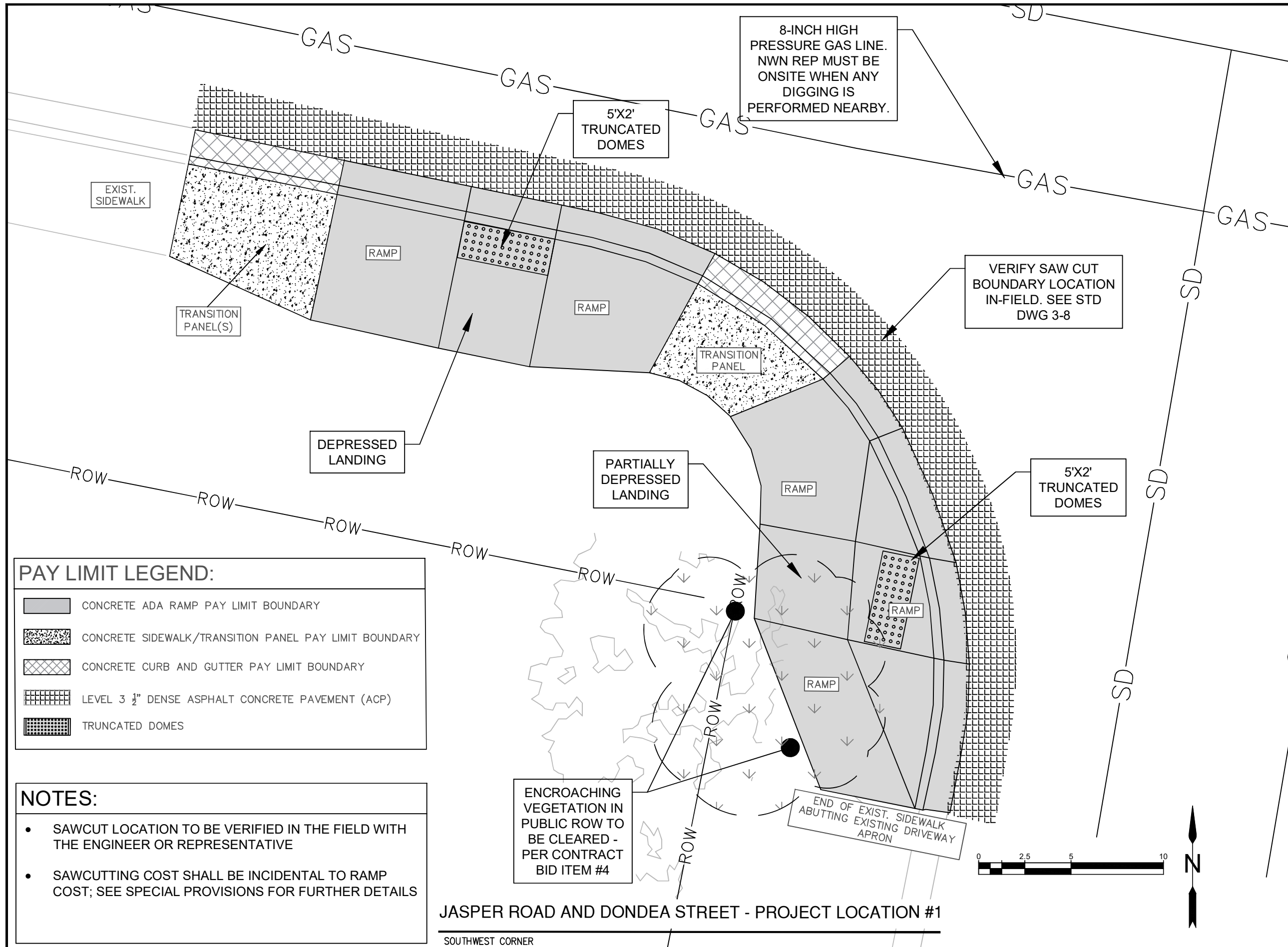


EXP DATE: 06-30-2023

GEN. PLAN VIEW

NO SCALE
SHEET A04.1 OF 64

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DESIGNED BY: B. JABUSCH
CHECKED BY: K. KRUEGER

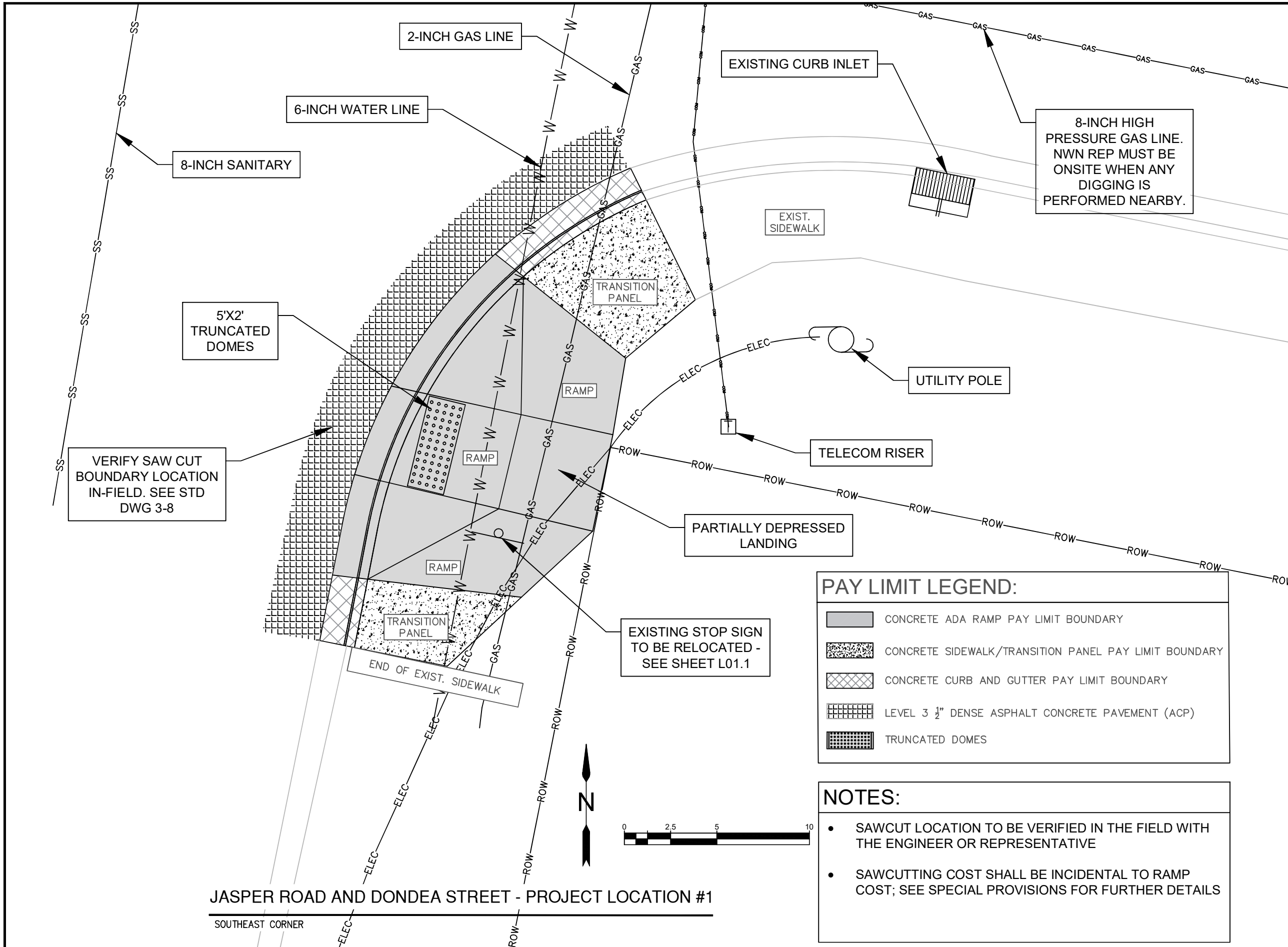


PAY LIMIT LEGEND:

	CONCRETE ADA RAMP PAY LIMIT BOUNDARY
	CONCRETE SIDEWALK/TRANSITION PANEL PAY LIMIT BOUNDARY
	CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY
	LEVEL 3 1/2" DENSE ASPHALT CONCRETE PAVEMENT (ACP)
	TRUNCATED DOMES

- NOTES:**
- SAWCUT LOCATION TO BE VERIFIED IN THE FIELD WITH THE ENGINEER OR REPRESENTATIVE
 - SAWCUTTING COST SHALL BE INCIDENTAL TO RAMP COST; SEE SPECIAL PROVISIONS FOR FURTHER DETAILS

JASPER ROAD AND DONDEA STREET - PROJECT LOCATION #1
SOUTHWEST CORNER



JASPER ROAD AND DONDEA STREET - PROJECT LOCATION #1

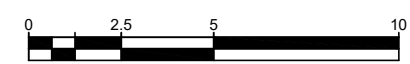
SOUTHEAST CORNER

PAY LIMIT LEGEND:

- CONCRETE ADA RAMP PAY LIMIT BOUNDARY
- CONCRETE SIDEWALK/TRANSITION PANEL PAY LIMIT BOUNDARY
- CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY
- LEVEL 3 1/2" DENSE ASPHALT CONCRETE PAVEMENT (ACP)
- TRUNCATED DOMES

NOTES:

- SAWCUT LOCATION TO BE VERIFIED IN THE FIELD WITH THE ENGINEER OR REPRESENTATIVE
- SAWCUTTING COST SHALL BE INCIDENTAL TO RAMP COST; SEE SPECIAL PROVISIONS FOR FURTHER DETAILS





Know what's below.
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**Project P21180
JASPER RD-DONDEA ST-FILBERT
LN SCHOOL CROSSING**

City of Springfield

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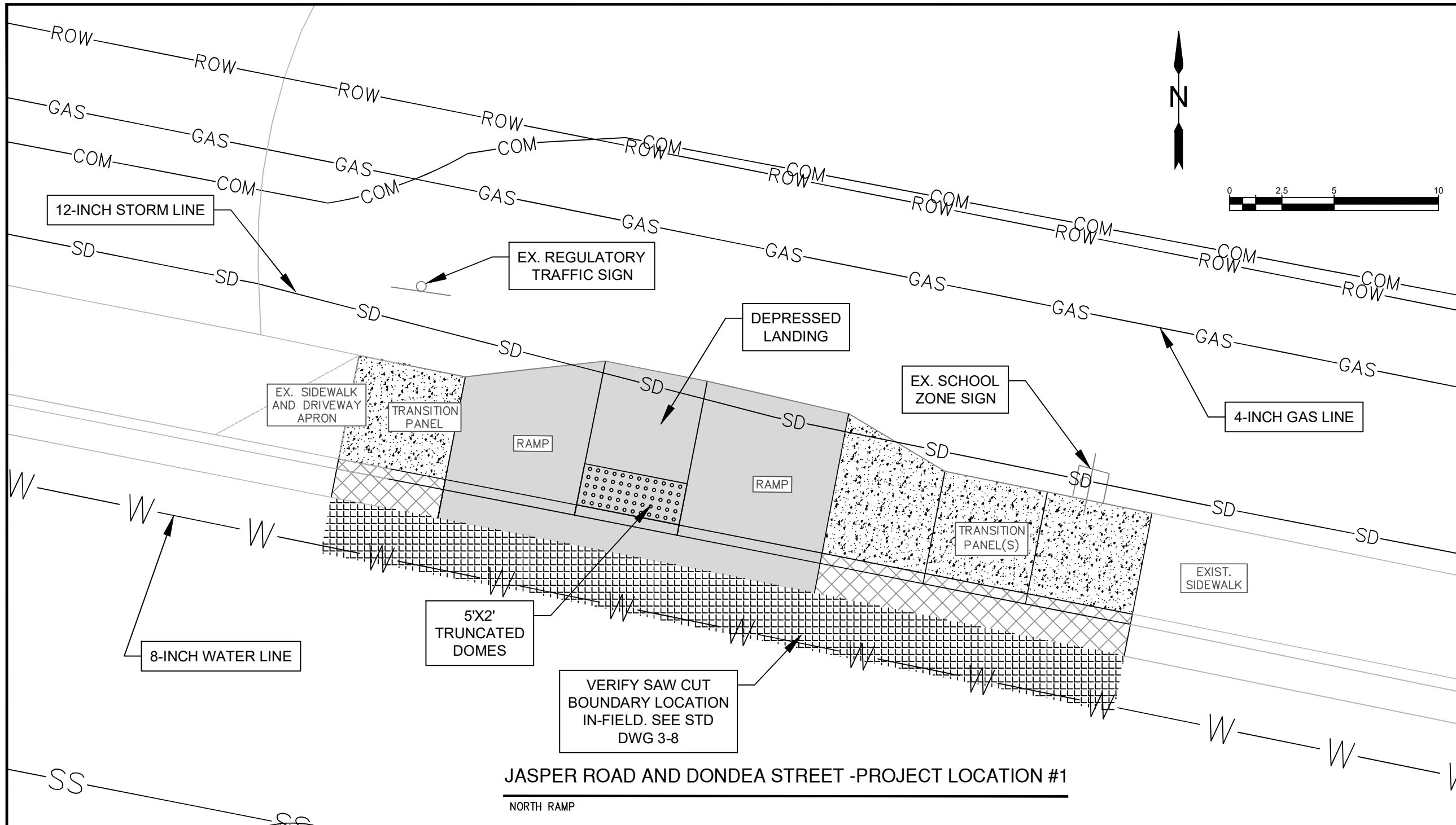


REGISTERED PROFESSIONAL ENGINEER
58377PE
Kristi Krueger
P.E.
OREGON
JULY 15, 2003
KRISTI S. KRUEGER

EXP DATE: 06-30-2023

CURB RAMP PAY LIMITS AND OBSTACLES

SCALE: 1" = 5'	SHEET BA02.1 OF 64
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JASPER ROAD AND DONDEA STREET -PROJECT LOCATION #1
NORTH RAMP

- NOTES:**
- SAWCUT LOCATION TO BE VERIFIED IN THE FIELD WITH THE ENGINEER OR REPRESENTATIVE
 - SAWCUTTING COST SHALL BE INCIDENTAL TO RAMP COST; SEE SPECIAL PROVISIONS FOR FURTHER DETAILS

PAY LIMIT LEGEND:

	CONCRETE ADA RAMP PAY LIMIT BOUNDARY
	CONCRETE SIDEWALK/TRANSITION PANEL PAY LIMIT BOUNDARY
	CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY
	LEVEL 3 1/2" DENSE ASPHALT CONCRETE PAVEMENT (ACP)
	TRUNCATED DOMES

No.	Revision/Issue	Date



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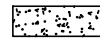
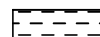
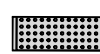
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CURB RAMP PAY LIMITS AND OBSTACLES

SCALE: 1" = 5'
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CHECKED BY: K. KRUEGER

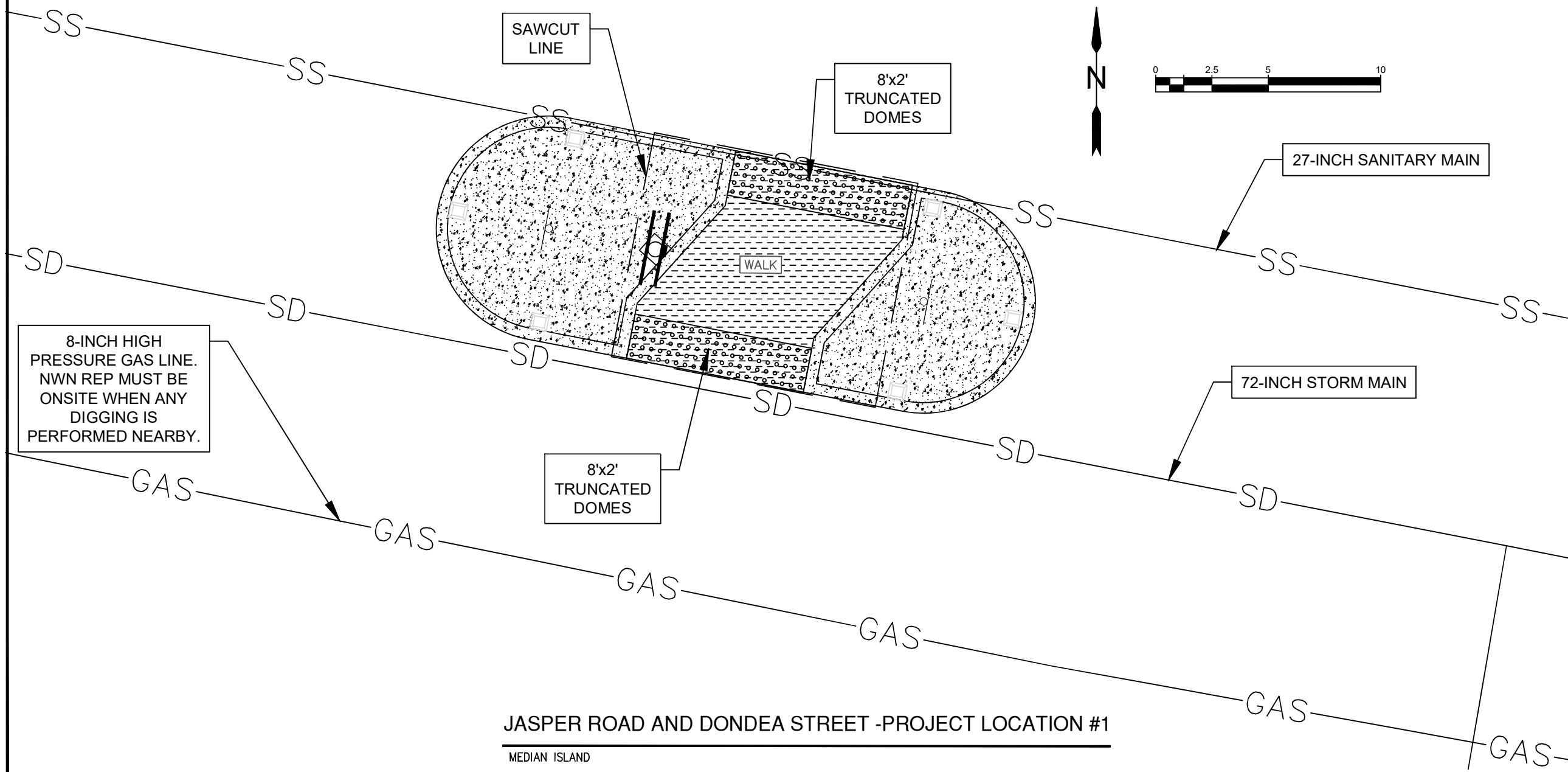
SHEET BA03.1
OF 64

PAY LIMIT LEGEND:

-  5-INCH NON-REINFORCED CONCRETE ISLAND
-  4-INCH CONCRETE SIDEWALK, MEDIAN
-  TRUNCATED DOMES

NOTES:

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8-INCH HIGH PRESSURE GAS LINE. NWN REP MUST BE ONSITE WHEN ANY DIGGING IS PERFORMED NEARBY.

JASPER ROAD AND DONDEA STREET -PROJECT LOCATION #1

MEDIAN ISLAND

No.	Revision / Issue	Date



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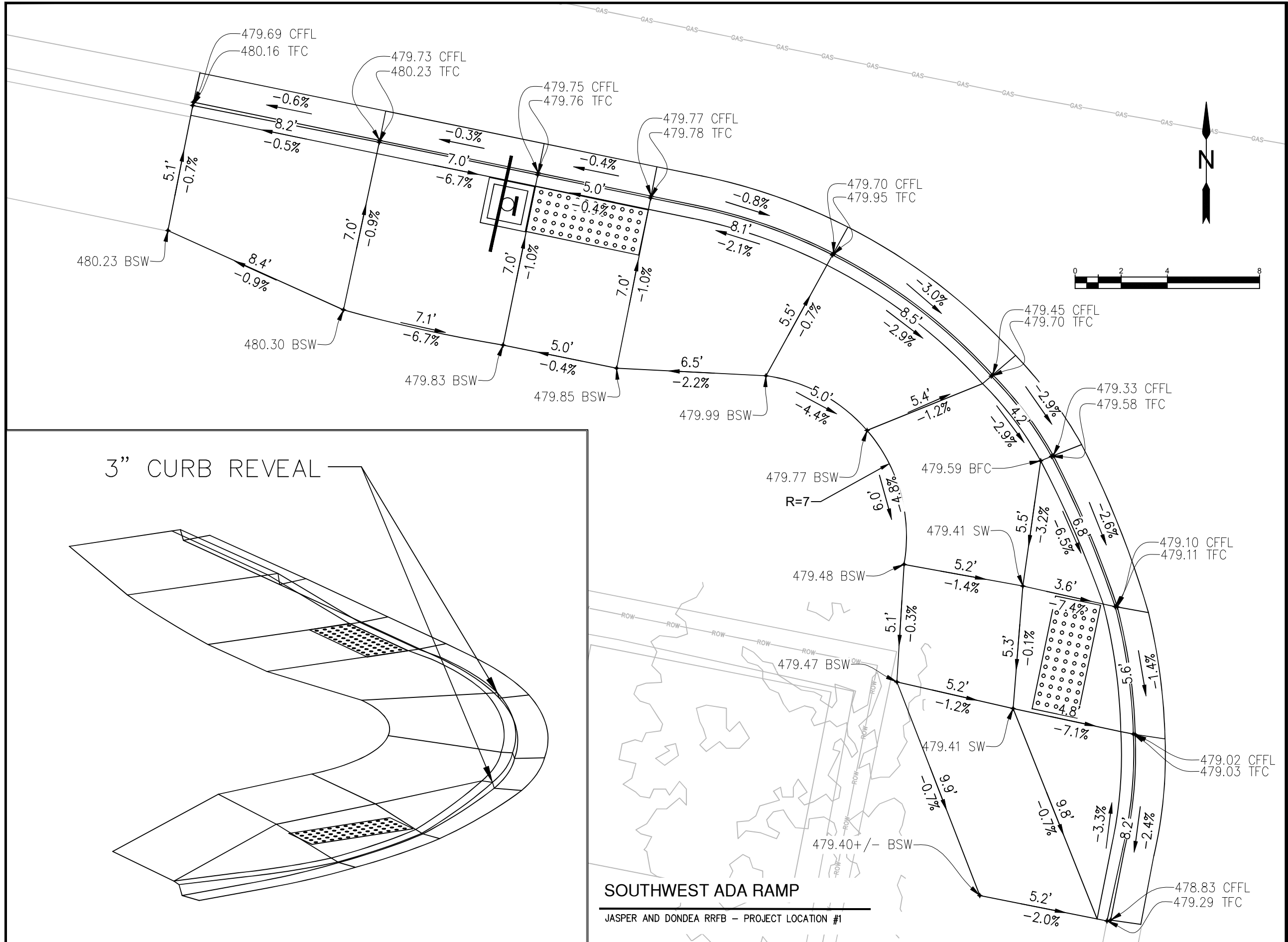
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EXP DATE: 06-30-2023

MEDIAN ISLAND PAY LIMITS AND OBSTACLES

SCALE: 1" = 5'	SHEET BA04.1 OF 64
DRAWN BY: B. JABUSCH	
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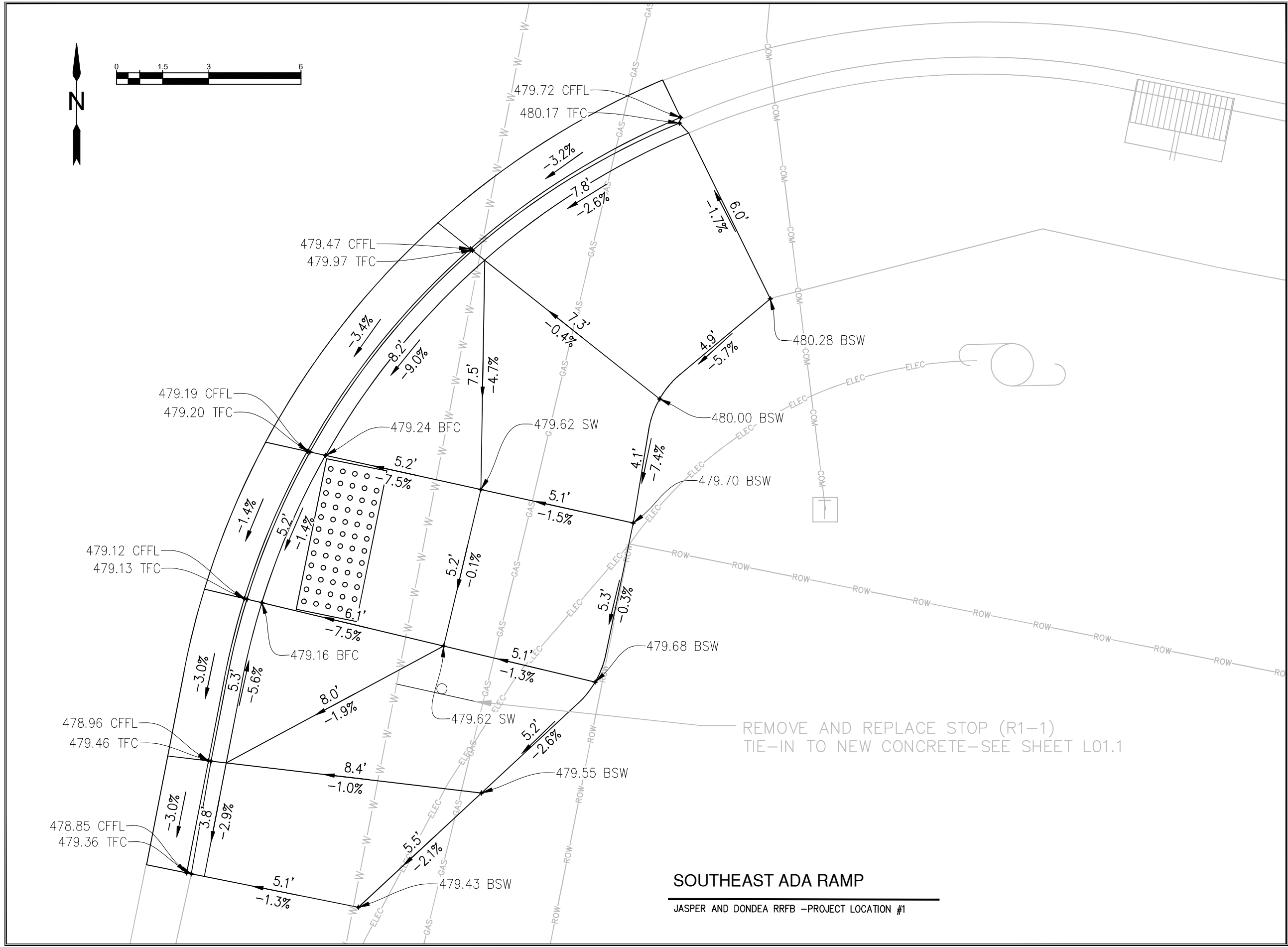
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CURB RAMP DETAILS	
SCALE: 1" = 4'	SHEET BB01.1 OF 64
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SOUTHEAST ADA RAMP

JASPER AND DONDEA RRFB -PROJECT LOCATION #1

Revision/Issue	Date



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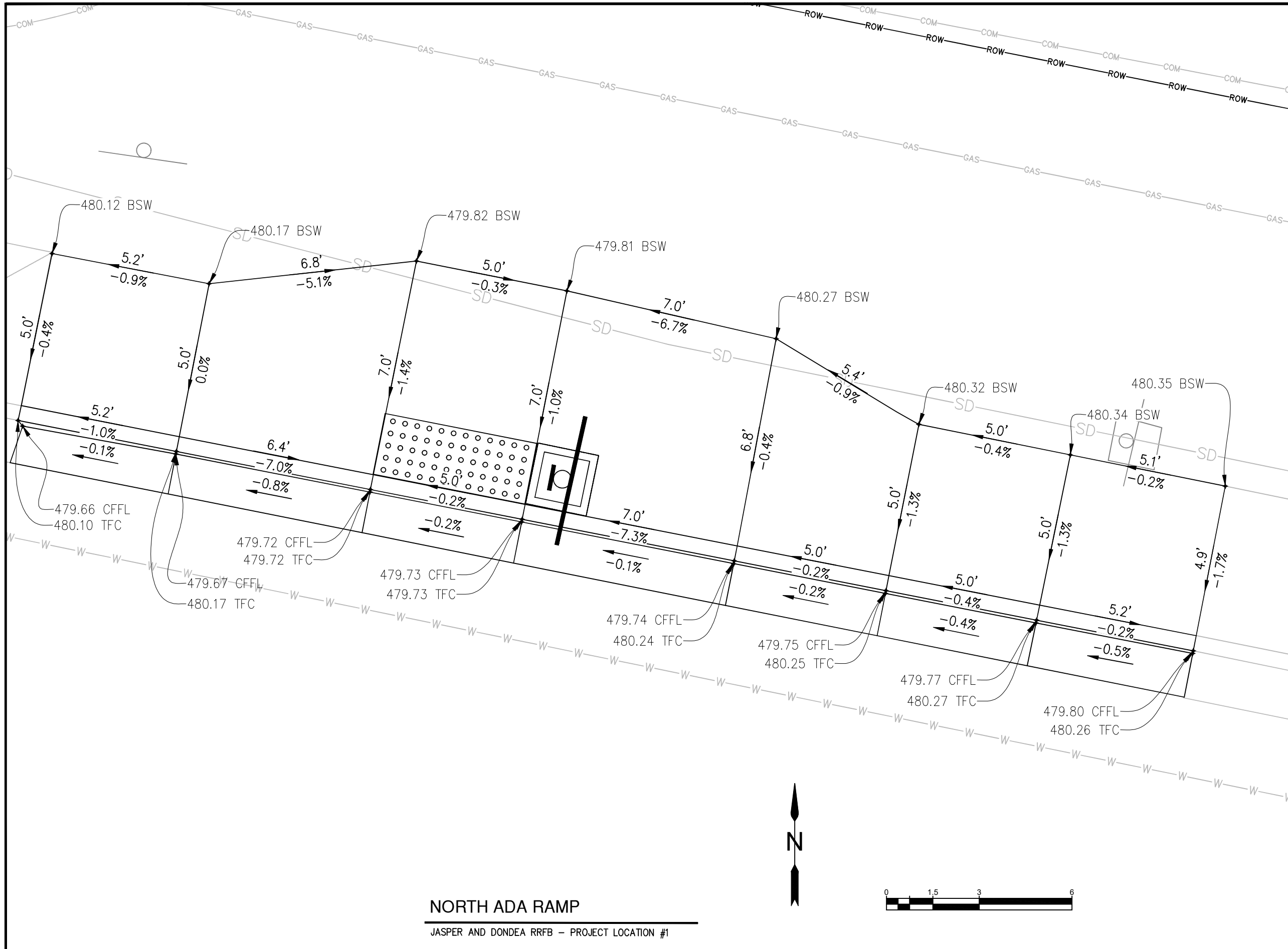
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CURB RAMP DETAILS

SCALE: 1" = 3'

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**SHEET
BB02.1
OF
64**



NORTH ADA RAMP

JASPER AND DONDEA RRFB - PROJECT LOCATION #1

No.	Revision/Issue	Date



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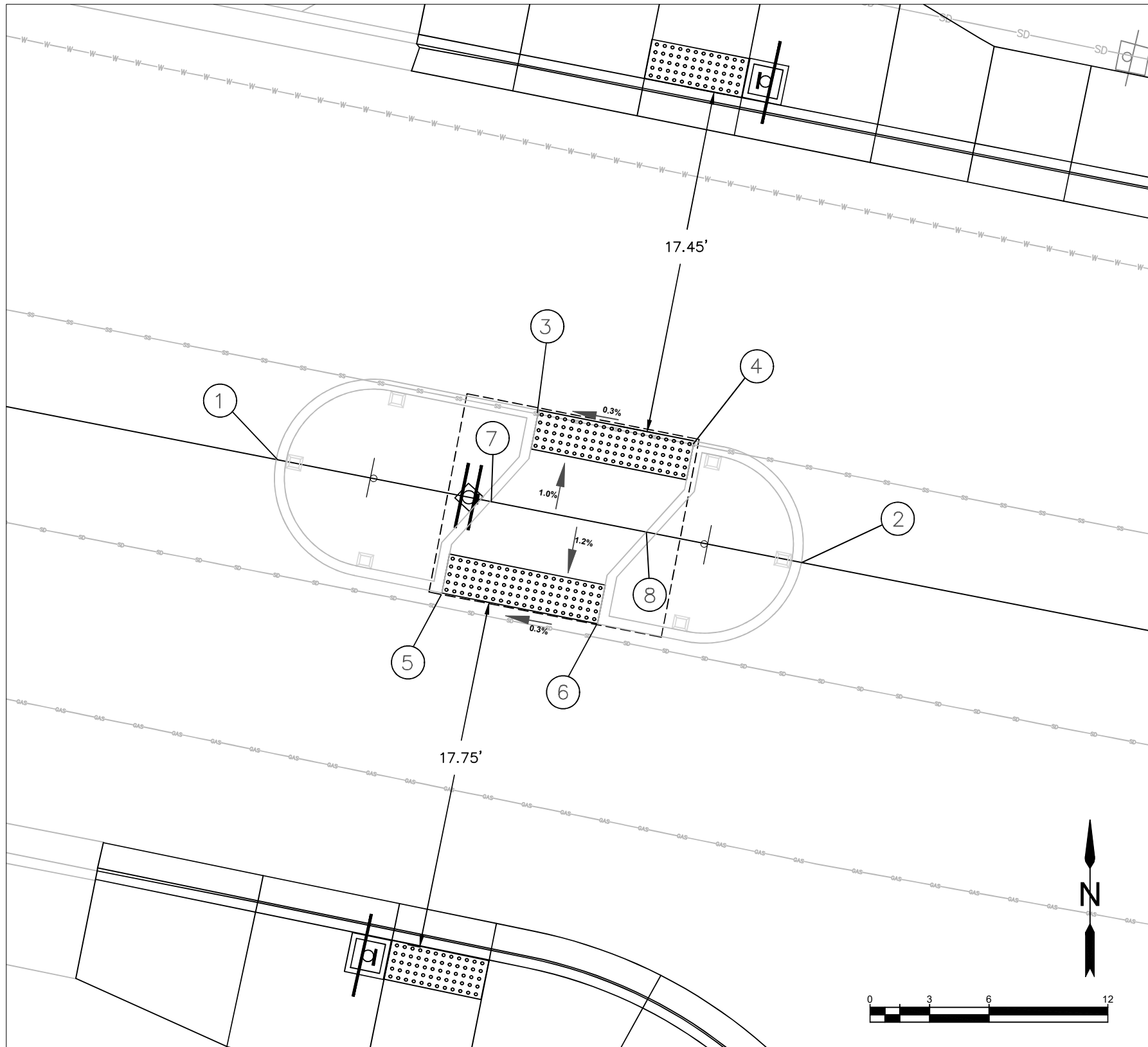


EXP DATE: 06-30-2023

CURB RAMP DETAILS

SCALE: 1" = 3'
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BB03.1
OF
64**



MEDIAN ISLAND

JASPER AND DONDEA RRFB – PROJECT LOCATION #1

POINT TABLE		
POINT #	ELEVATION (FT)	TFC ELEVATION (FT)
1	480.16	480.66
2	480.23	480.73
3	480.14	480.64
4	480.16	480.66
5	480.13	480.63
6	480.15	480.65
7	480.19	480.69
8	480.21	480.71

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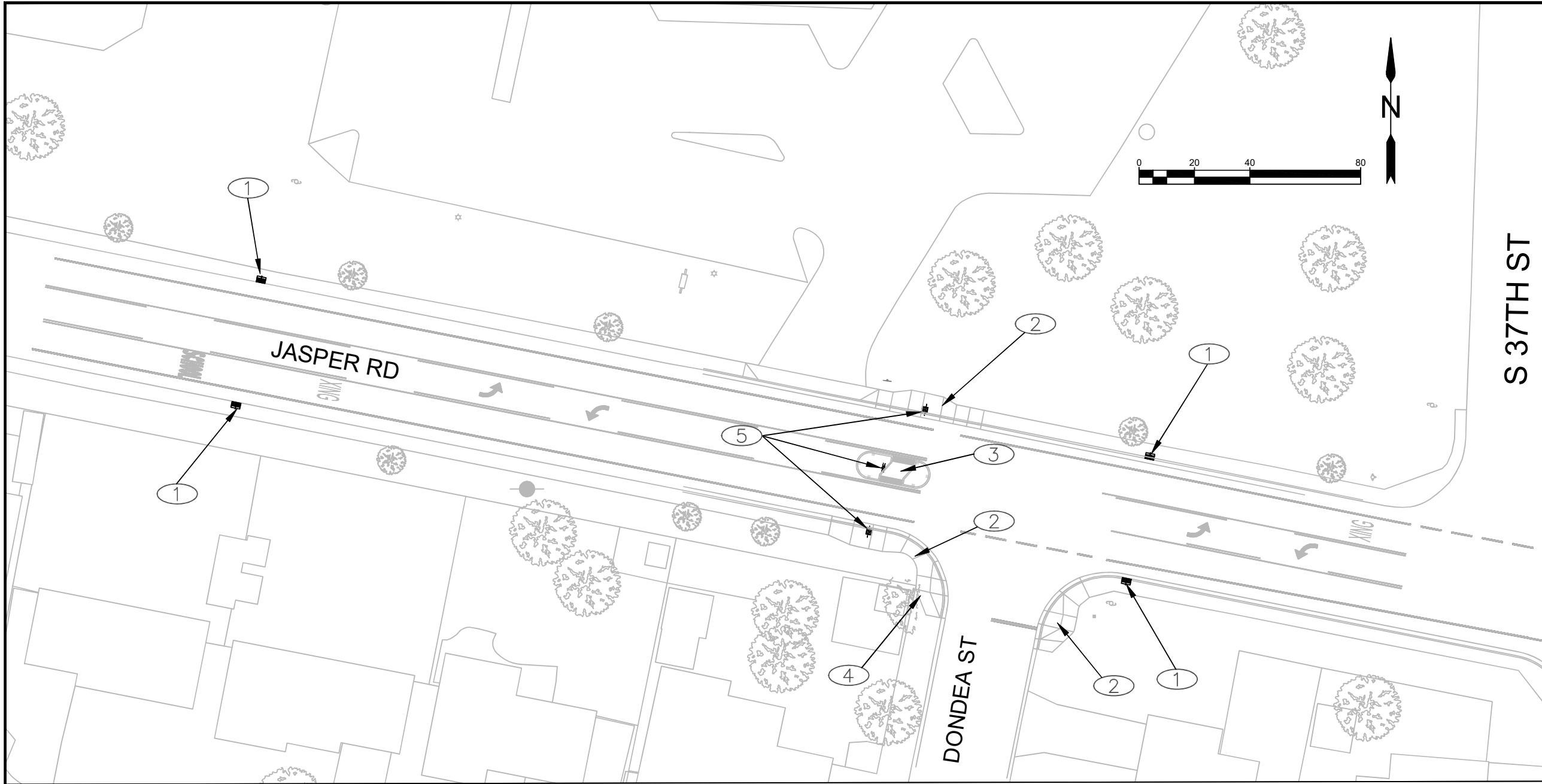


EXP DATE: 06-30-2023

ISLAND ELEVATIONS

SCALE: 1" = 6'
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**SHEET
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OF
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CONSTRUCTION NOTES:

- ① INSTALL EROSION CONTROL DRAINAGE INLET PROTECTION, TYPE 10, SEE SHEET F02.1
- ② REMOVE AND REPLACE ADA CURB RAMP, CURB & GUTTER & WALK AS REQUIRED – FOR DETAILS SEE BA01.1–BB04.1
- ③ CONSTRUCT CROSSWALK ISLAND MEDIAN – FOR DETAILS SEE SHEETS BA04.1, BB04.1, D01.1
- ④ CLEAR AND GRUB TREE AND VEGETATION BEHIND EXISTING SIDEWALK
- ⑤ INSTALL RRFB – FOR DETAILS SEE SHEETS M01.1–M07.1

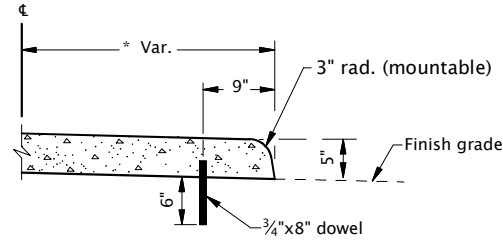


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GEN CONSTRUCTION DETAILS

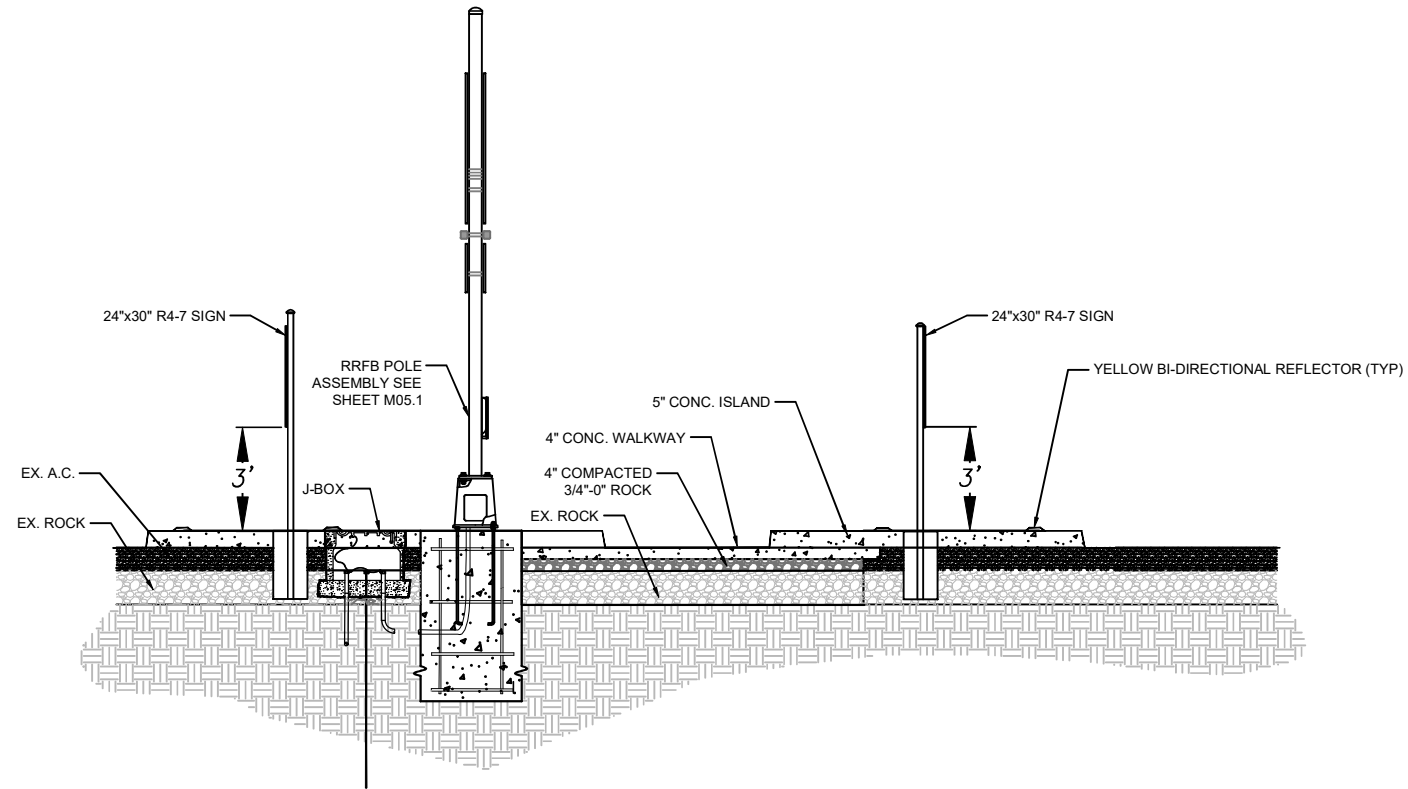
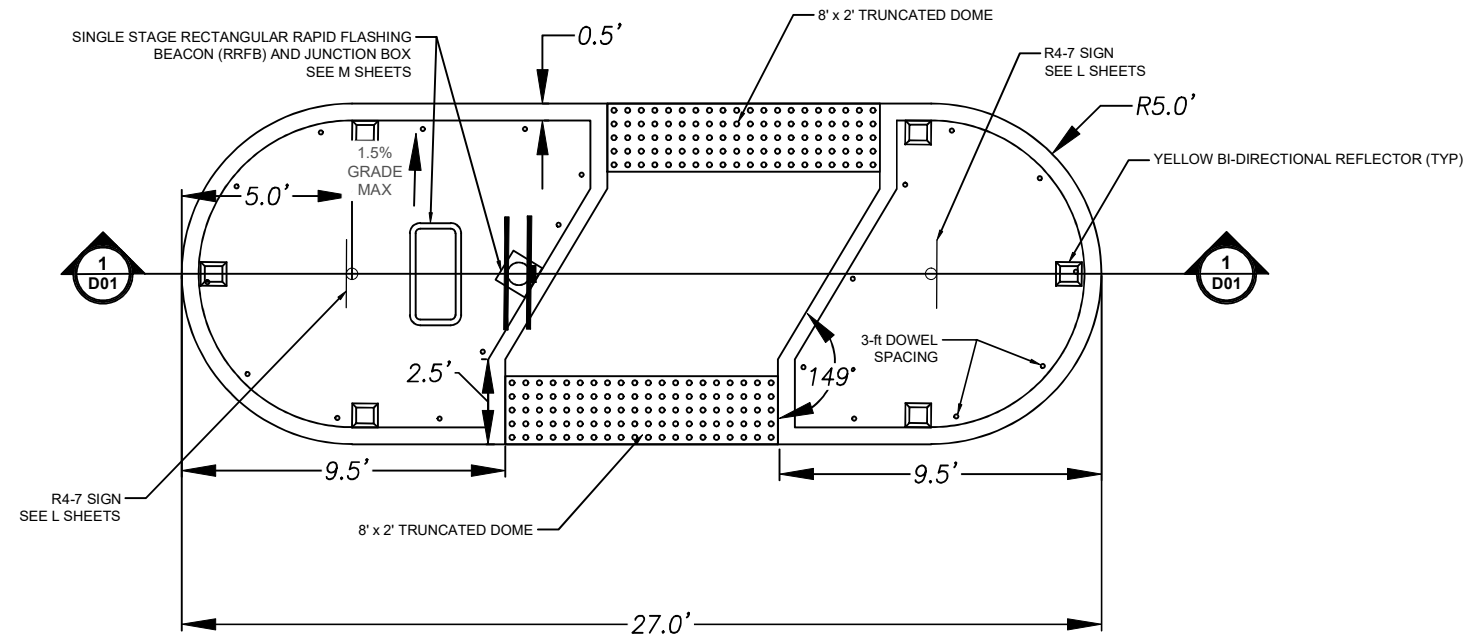
SCALE: 1" = 40'
DRAWN BY: B. JABUSCH
DESIGNED BY: B. JABUSCH
CHECKED BY: K. KRUEGER

SHEET
C01.1
OF
64



CENTER MOUNTABLE ISLAND

1. The measurement basis for the concrete island Bid Item is the top of the island area.
2. Dowels shall be $\frac{3}{4}$ " dia. with the shown length. Set dowels before concrete hardens.



1 CENTER ISLAND RRFB SECTION D-D
D01.1 NTS



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EXP DATE: 06-30-2023

ISLAND CONSTRUCTION DETAILS

NO SCALE

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SHEET
D01.1
OF
64

GENERAL NOTES:

1. PRIOR TO ANY WORK, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE AND APPROVED BY THE ENGINEER.
2. MAINTAIN 10 FT MINIMUM TRAVEL LANE WIDTH.
3. USE FLUORESCENT ORANGE SHEETING FOR THE BACKGROUND OF ALL TEMPORARY WARNING SIGNS.
4. WHEN NECESSARY, SIGN SPACING ADJUSTMENTS TO 30% OF THE "A" DIMENSION FOR ALL SPEEDS.
5. SIGNING AND OTHER TCD SHOWN TO BE INSTALLED IN CONJUNCTION WITH THE WORK AREAS, SHALL MOVE WITH THE WORK AREAS.
6. TO DETERMINE TAPER LENGTH "L" AND "BUFFER" LENGTH SHOWN ON EACH TRAFFIC CONTROL PLAN, USE "THE MINIMUM LENGTHS TABLE".
7. TO DETERMINE SIGN SPACING A, B AND C, USE "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE".
8. CHANNELIZATION DEVICES MAY BE PLACED AT 10' SPACING AROUND THE WORK AREA FOR EMPHASIS IF THE AREA IS EXPOSED TO TRAFFIC BOTH SIDES SIMULTANEOUSLY.
9. DO NOT LOCATE SIGNS IN LOCATIONS DESIGNATED FOR BICYCLE OR PEDESTRIAN TRAFFIC.
10. INSTALL A "BICYCLES ON ROADWAY" (CW11-1) SIGN IN ADVANCE OF THE CLOSURE WHEN A BIKE LANE IS CLOSED, OR WHEN THE SHOULDER IS CLOSED AND BIKES ARE EXPECTED.
11. SEE STANDARD DRAWING TM844 FOR PEDESTRIAN TRAFFIC CONTROL DURING RAMP RECONSTRUCTION AND FOR MISCELLANEOUS TRAFFIC CONTROL APPLICATIONS.

SYMBOL LEGEND

- TEMPORARY SIGN
- WORK ZONE
- TYPE III BARRICADE
- DIRECTION OF TRAVEL
- CONE OR TUBULAR MARKER
- LONGITUDINAL CHANNELIZATION DEVICE

No.	Revision/Issue	Date



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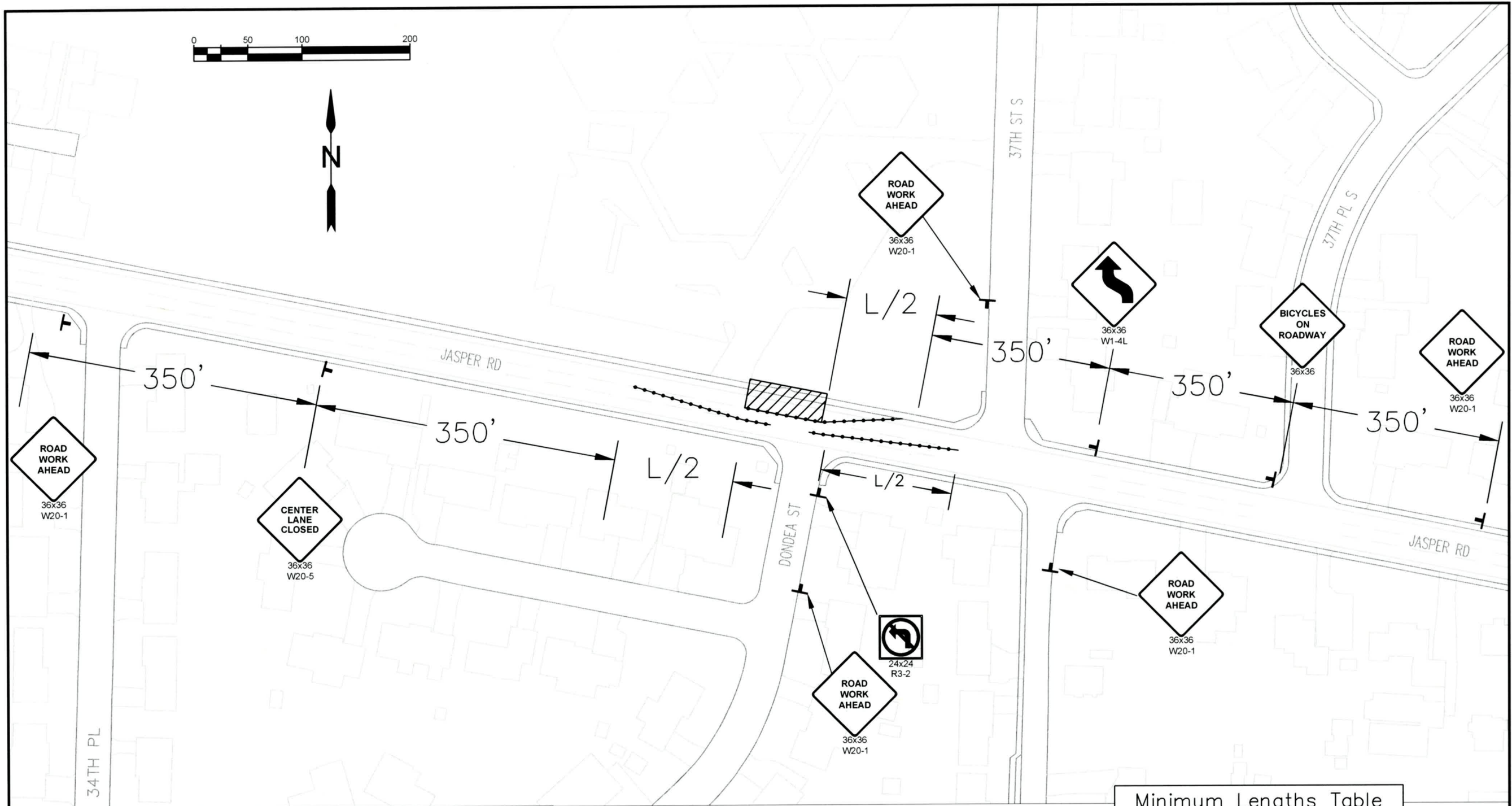
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EXP DATE: 12-31-2023

GENERAL TRAFFIC CONTROL NOTES

NO SCALE	SHEET E01.1
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DESIGNED BY: B. JABUSCH	64
CHECKED BY: B. BARNETT	



TRAFFIC CONTROL NOTES:

① SEE STD DWG TM844 'SIDEWALK CLOSURE, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	L/2
SHOULDER CLOSURE	L/3
FLAGGING (SEE TM850)	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	1000	1500	2640	40

Minimum Lengths Table					
SPEED (MPH)	"L" Value for Tapers (FT)				Buffer (FT)
	W=Land 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

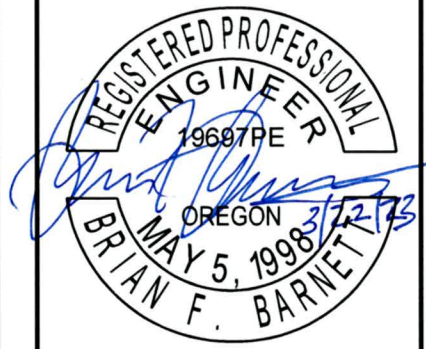


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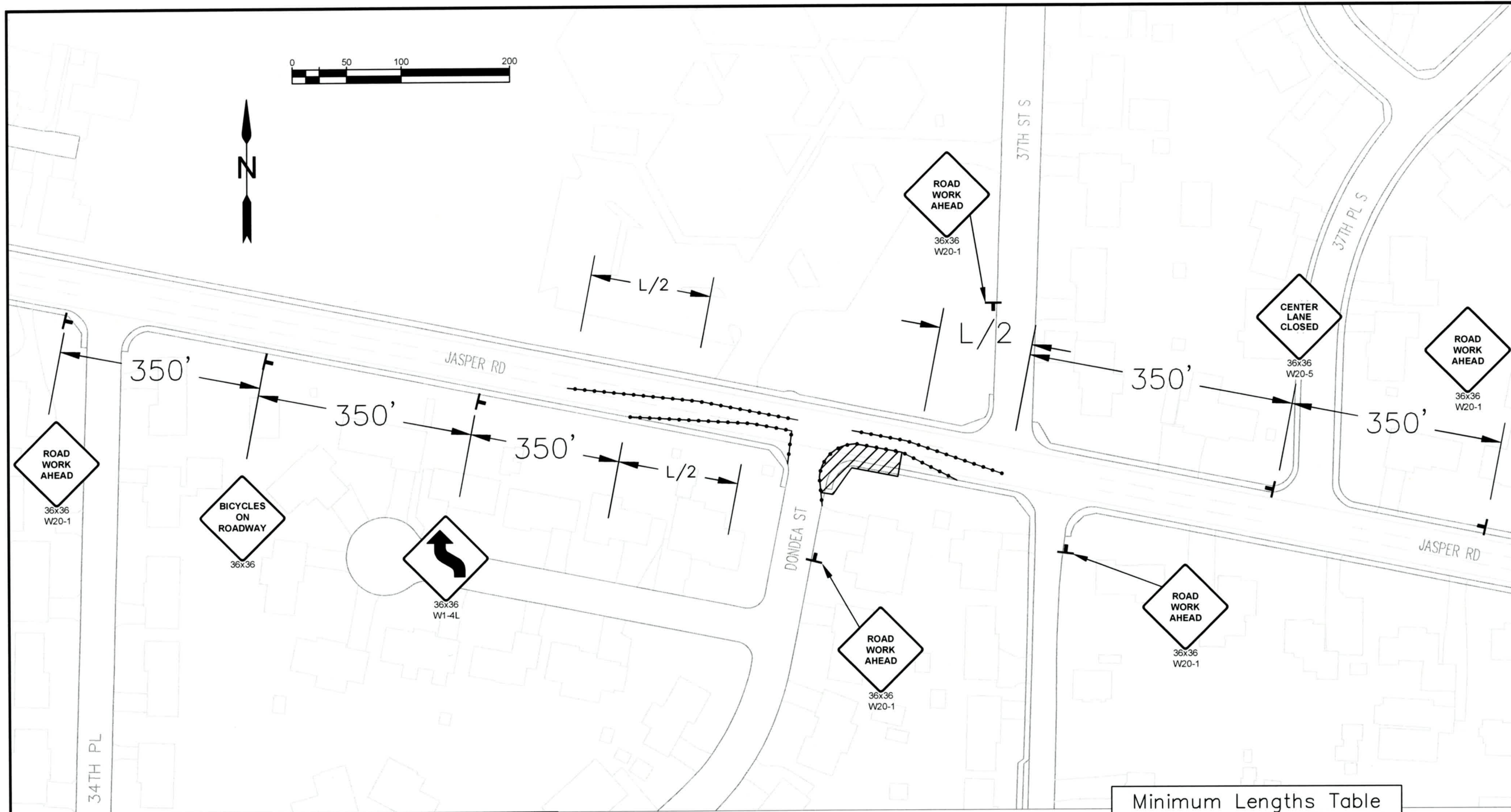
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NORTH RAMP WORK ZONE TCP

1"=100'

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CHECKED BY: B. BARNETT

SHEET E02.1 OF 64



TRAFFIC CONTROL NOTES:

① SEE STD DWG TM844 'SIDEWALK CLOSURE, CORNER' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	L/2
SHOULDER CLOSURE	L/3
FLAGGING (SEE TM850)	50'-100'
DOWNSTREAM (TERMINATION)	VARIES

Traffic Control Devices 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	1000	1500	2640	40

Minimum Lengths Table

SPEED (MPH)	"L" Value for Tapers (FT)				Buffer (FT)
	W=Land or Shoulder Width being closed or shifted				
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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
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60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365

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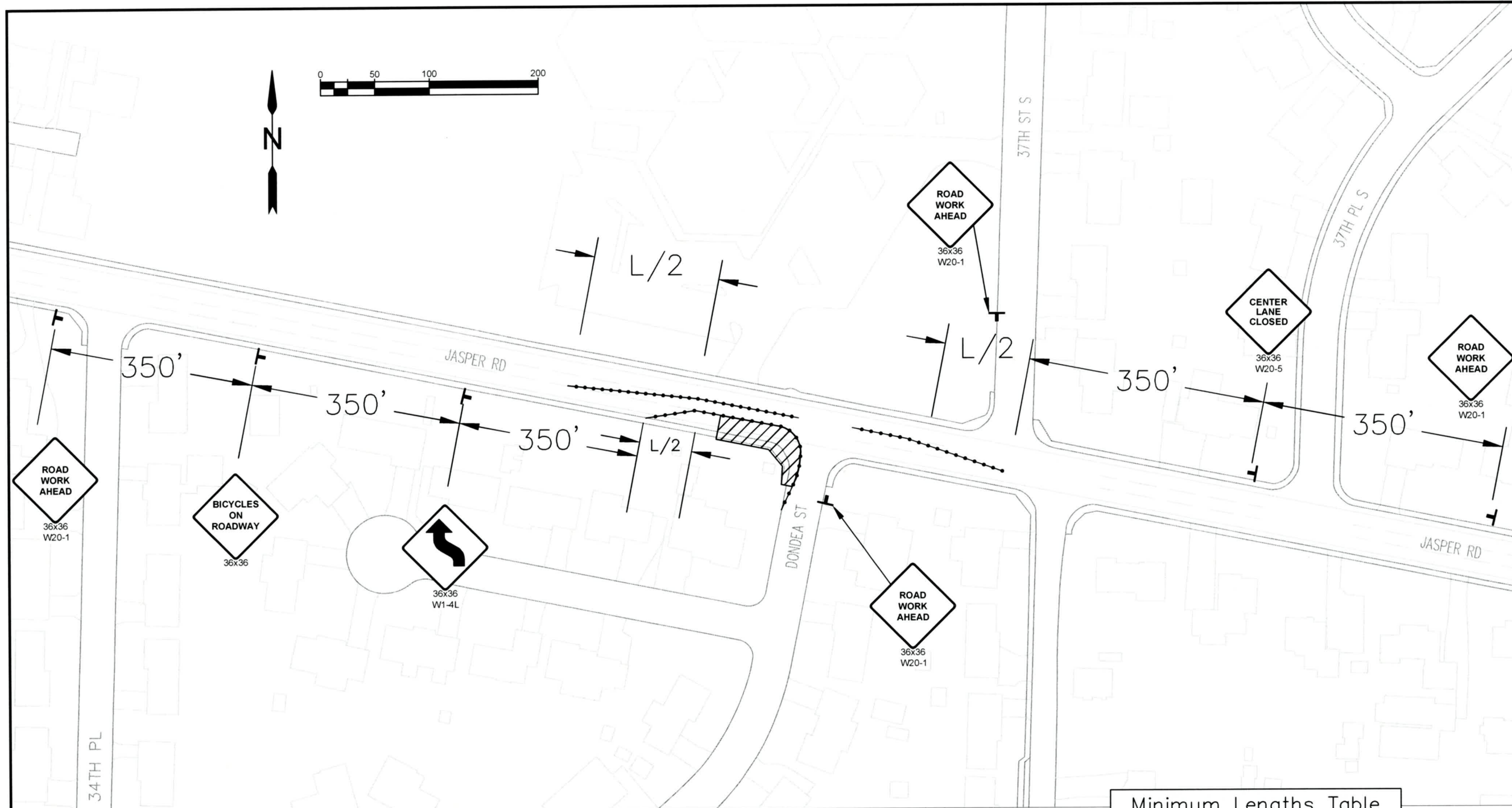
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SW RAMP WORK ZONE TCP

1"=100'

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SHEET E03.1 OF 64



TRAFFIC CONTROL NOTES:

① SEE STD DWG TM844 'SIDEWALK CLOSURE, MIDBLOCK' FOR TEMPORARY PEDESTRIAN ACCESS ROUTING

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
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45	450	540	630	720	180
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65	650	780	910	1000	325
70	700	840	980	1000	365

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INTERNET: www.springfield-or.gov



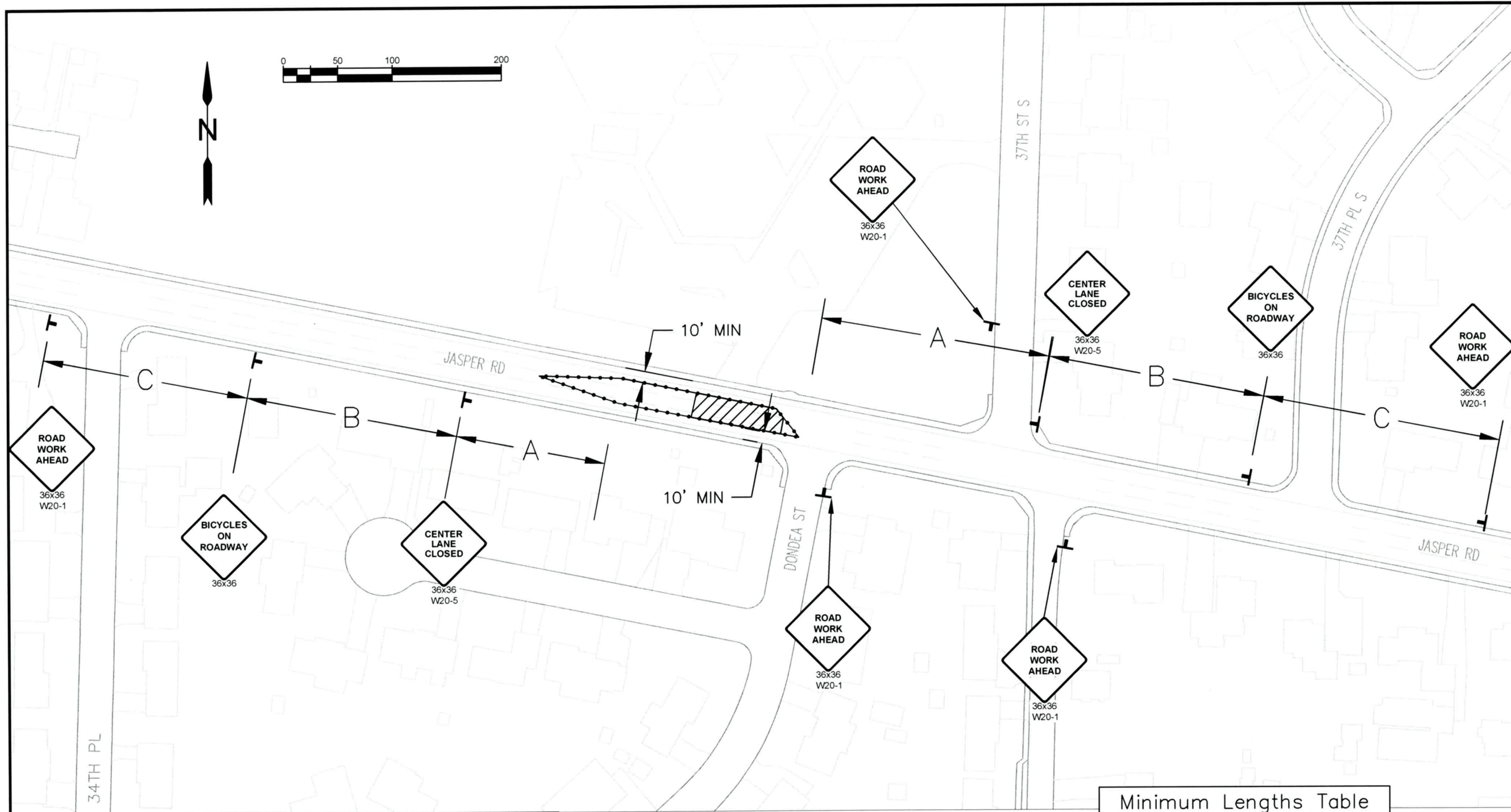
EXP DATE: 12-31-2023

SE RAMP WORK ZONE TCP

1"=100'

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

SHEET E04.1 OF 64



TRAFFIC CONTROL NOTES:

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	L/2
SHOULDER CLOSURE	L/3
FLAGGING (SEE TM850)	50'-100'
DOWNSTREAM (TERMINATION)	VARIABLE

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	1000	1500	2640	40

Minimum Lengths Table					
SPEED (MPH)	"L" Value for Tapers (FT)				Buffer (FT)
	W=Land 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



EXP DATE: 12-31-2023

CENTER ISLAND WORK ZONE TCP

1"=100'

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SHEET E05.1 OF 64

No.	Revision/Issue	Date



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Project P21180
JASPER RD-DONDEA ST-FILBERT LN SCHOOL CROSSING

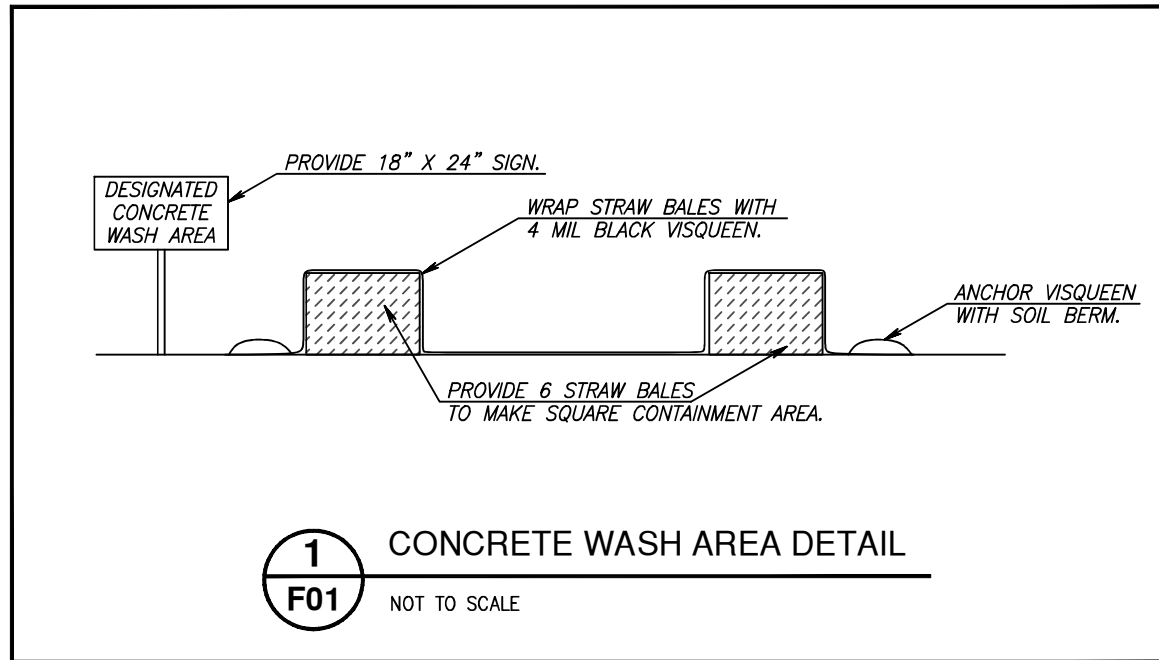
City of Springfield
 PUBLIC WORKS / ENGINEERING
 225 FIFTH STREET, SPRINGFIELD, OR 97477
 PHONE (541) 726-5753 FAX (541) 726-5889
 INTERNET: www.springfield-or.gov

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.).



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



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Project P21180
JASPER RD-DONDEA ST-FILBERT
LN SCHOOL CROSSING



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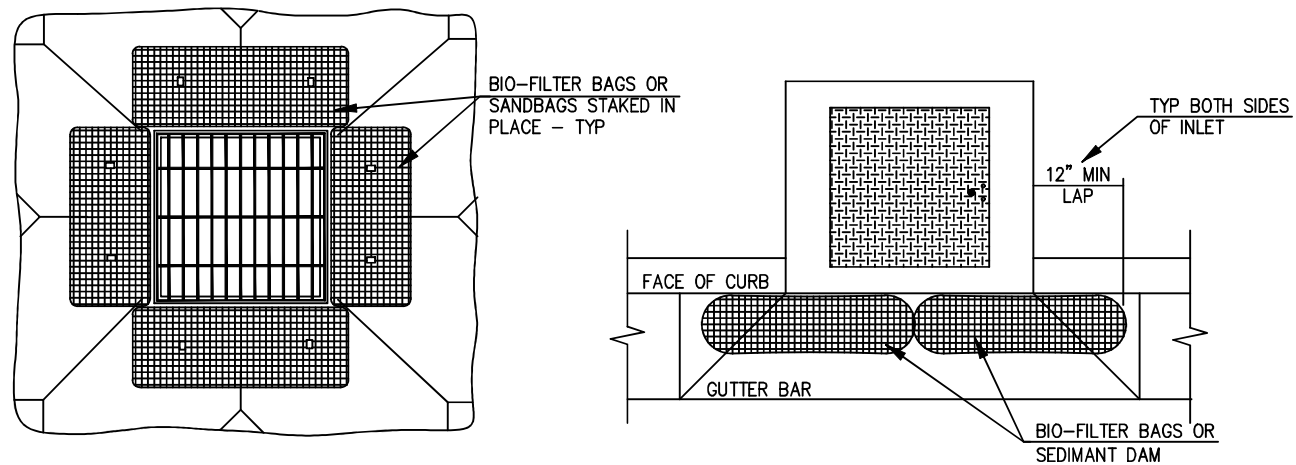


EXP DATE: 06-30-2023

EROSION CONTROL

NO SCALE
 DRAWN BY: B. JABUSCH
 DESIGNED BY: B. JABUSCH
 CHECKED BY: K. KRUEGER

SHEET
F01.1
OF
64

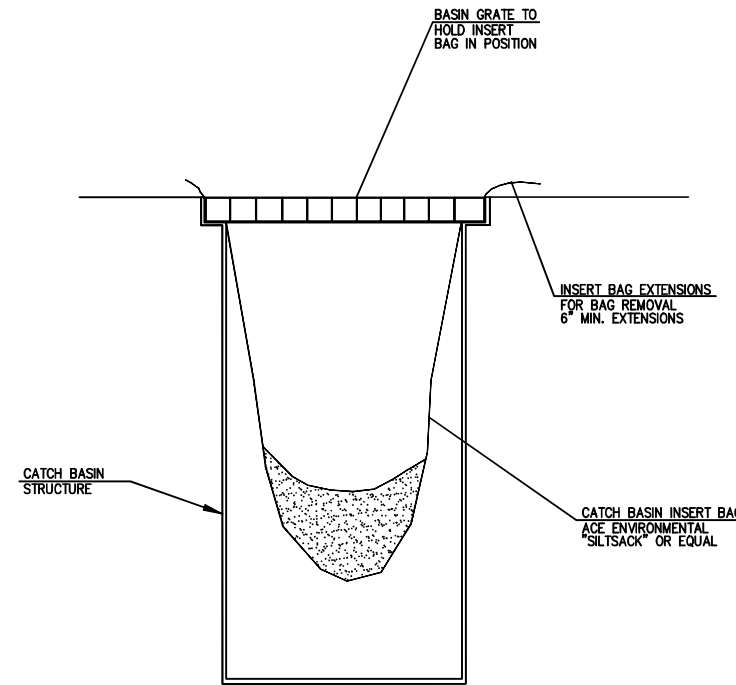


NOTES
 1. PRIOR TO 1st PAVEMENT LIFT, REMOVE BIO-BAG/SANDBAG BARRIERS AND INSTALL BASIN INSERT BAG OR CURB INLET SEDIMENT DAM AT ALL INLET STRUCTURES.

1
F02

**DRAINAGE INLET
 STRUCTURE PROTECTION**

NOT TO SCALE



2
F02

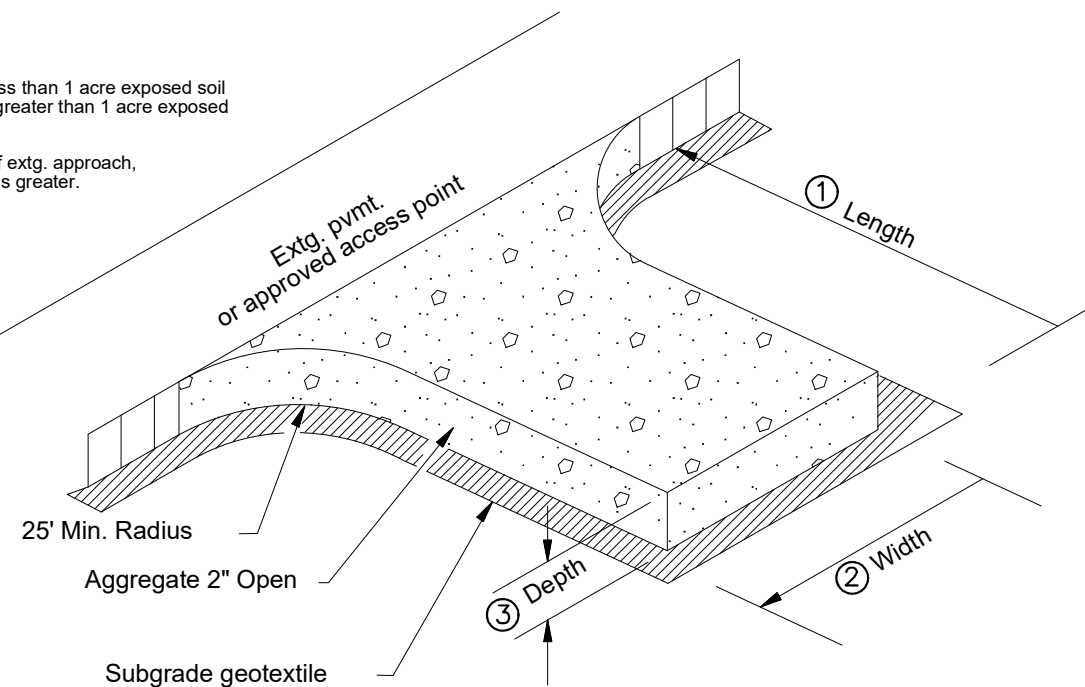
CATCH BASIN INSERT BAG

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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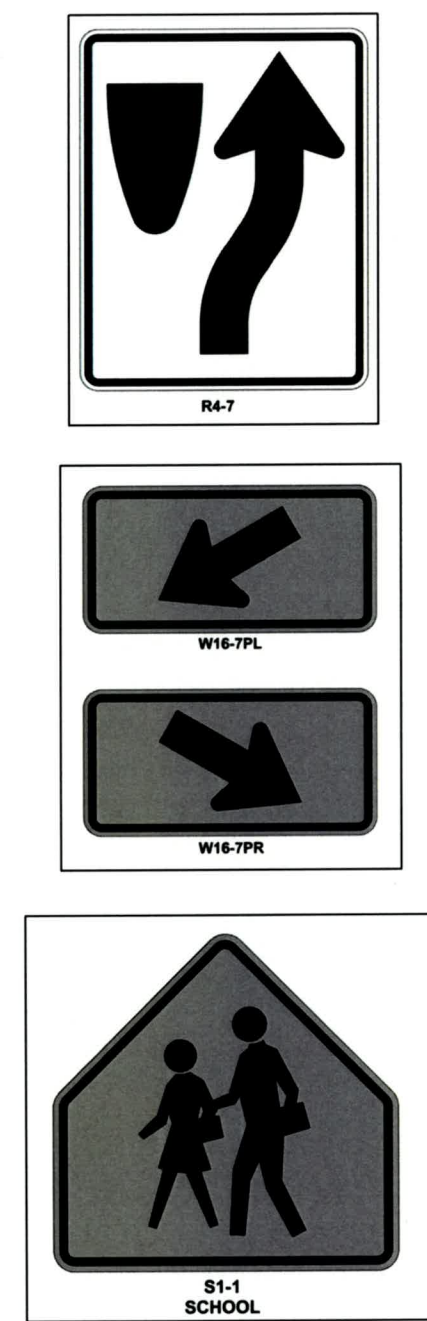
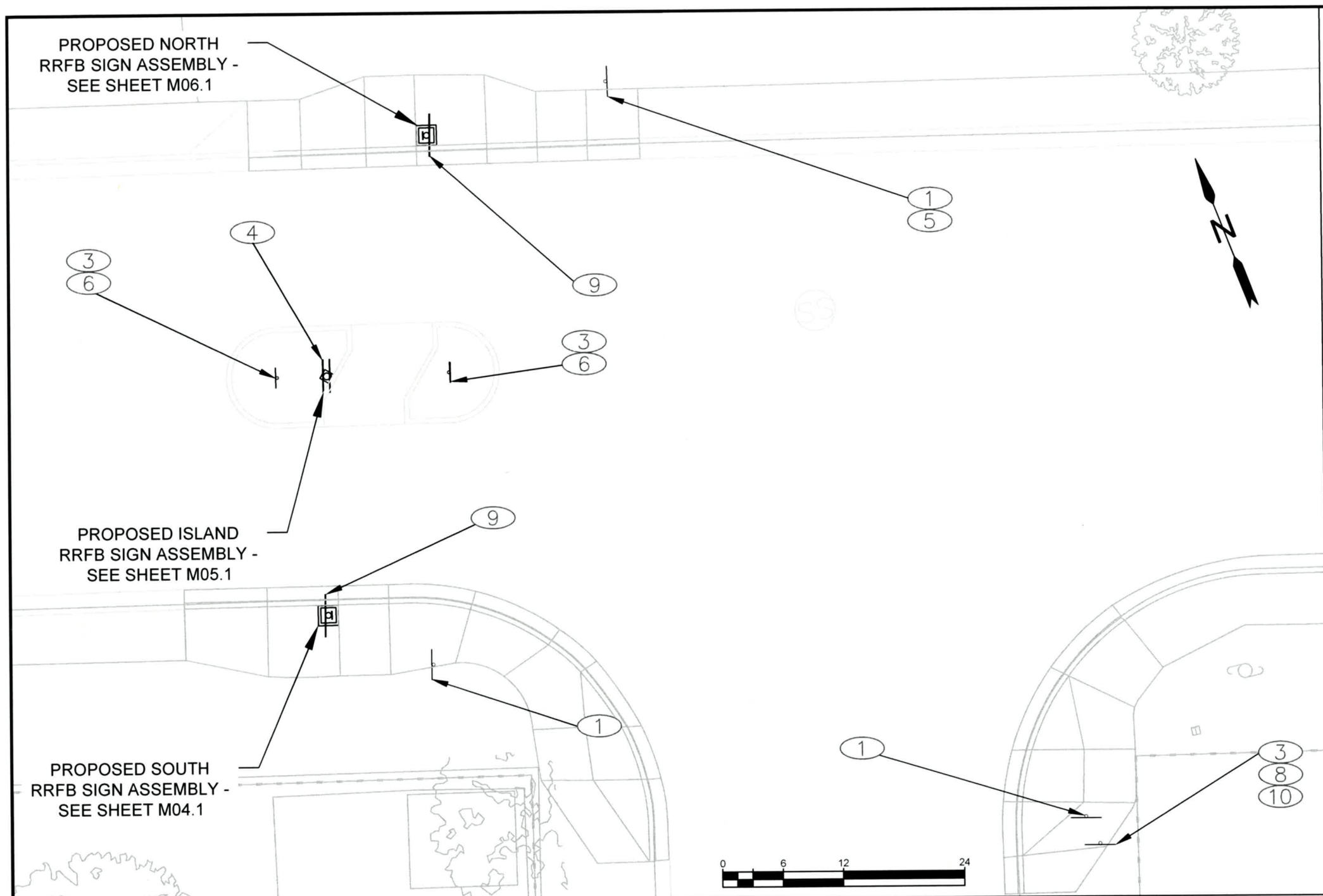


EXP DATE: 06-30-2023

EROSION CONTROL

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**SHEET
 F02.1
 OF
 64**

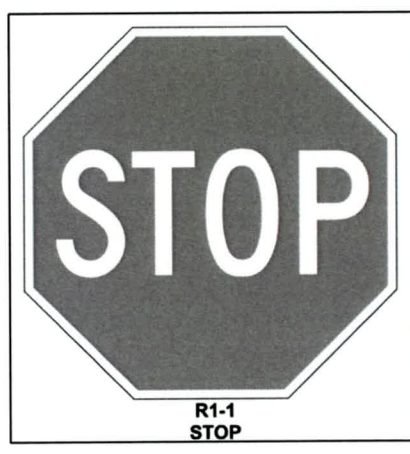


INSTALLATION NOTES:

- ① REMOVE SIGN AND SIGN SUPPORT
- ③ INSTALL SIGN SUPPORT - SEE STD DWG 5-18, SHEET D01.1 FOR CROSSWALK MEDIAN INSTALLATION DETAILS
- ④ INSTALL TWO 'SCHOOL ZONE CROSSING' SIGN ASSEMBLIES (36"x36" S1-1), (30"x18" W16-7PR), (9"x12" R10-25) ON DOUBLE-SIDED ISLAND RRFB POLE ASSEMBLY
- ⑤ REMOVE AND DELIVER GUIDE SIGN 'DOUGLAS GARDENS STUDENTS' TO CITY REPRESENTATIVE
- ⑥ INSTALL 24"x30" 'KEEP RIGHT' SIGN (R4-7) 3' FROM TOP OF CURB TO BOTTOM OF SIGN
- ⑧ INSTALL 30"x30" 'STOP' SIGN (R1-1) - SEE SHEET L02.1 FOR INSTALLATION DETAILS.
- ⑨ INSTALL 'SCHOOL ZONE CROSSING' SIGN ASSEMBLY (36"x36" S1-1), (30"x18" W16-7PL), (9"x12" R10-25)
- ⑩ INSTALL COLLECTOR ROADSIDE STREET SIGNS "Jasper Rd" and "Dondea St" PER STD DWG 5-18A. SEE SHEET L02.1 FOR INSTALLATION DETAILS.

FOR CROSSING SIGN LEGEND, SYMBOL, AND BORDER, USE 3M BLACK (1178) EC FILM OR EQUIVALENT.

FOR FLUORESCENT YELLOW-GREEN BACKING, USE 3M DIA VIP (3980) OR EQUIVALENT.



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**Project P21180
JASPER RD-DONDEA ST-FILBERT
LN SCHOOL CROSSING**

City of Springfield



PUBLIC WORKS / ENGINEERING
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248 N. E. STREET, SPRINGFIELD, OR 97177
240 N. E. STREET, SPRINGFIELD, OR 97177
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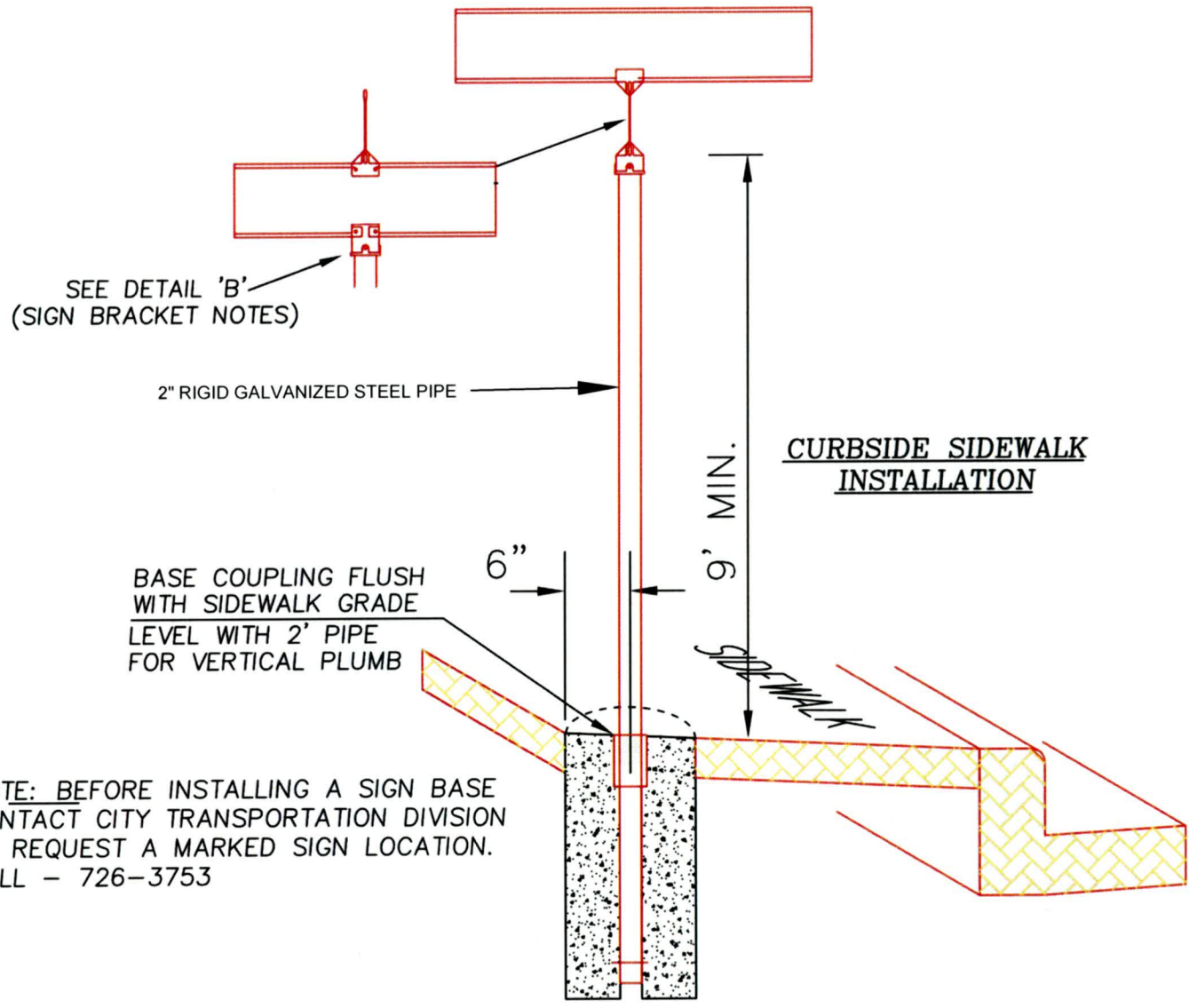
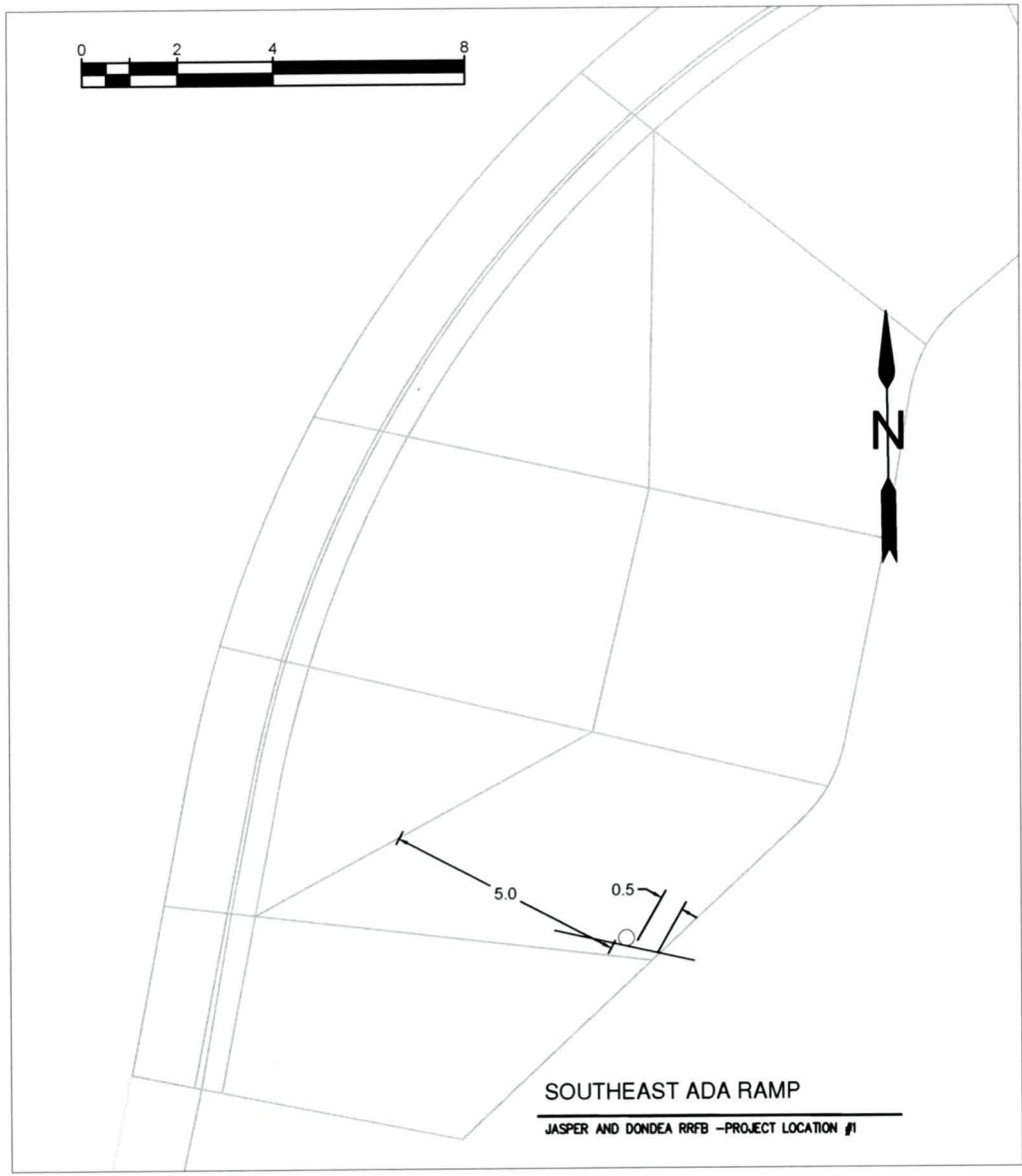


EXP DATE: 12-31-2023

SIGNING PLAN

1" = 12'
DRAWN BY: B. JABUSCH
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CHECKED BY: B. BARNETT

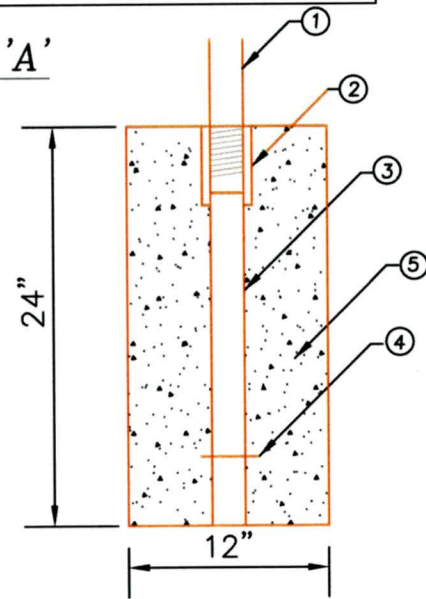
SHEET L01.1 OF 64



FOOTING INSTALLATION NOTES

- ① INSTALL 2" RIGID GALVANIZED STEEL PIPE.
- ② INSTALL 2" GALVANIZED THREADED STEEL PIPE COUPLING WITH TOP SET AT FINISHED GRADE.
- ③ INSTALL 2" RIGID GALVANIZED STEEL PIPE TACK WELDED TO COUPLING TO PREVENT TURNING.
- ④ INSTALL 1/4" X 5" STEEL PIN THROUGH STEEL PIPE
- ⑤ INSTALL SIGN BASE ASSEMBLY IN CLASS 3300 PORTLAND CONCRETE USING 2' MIN. GUIDE ROD TO INSURE SIGN POST WILL BE VERTICAL.

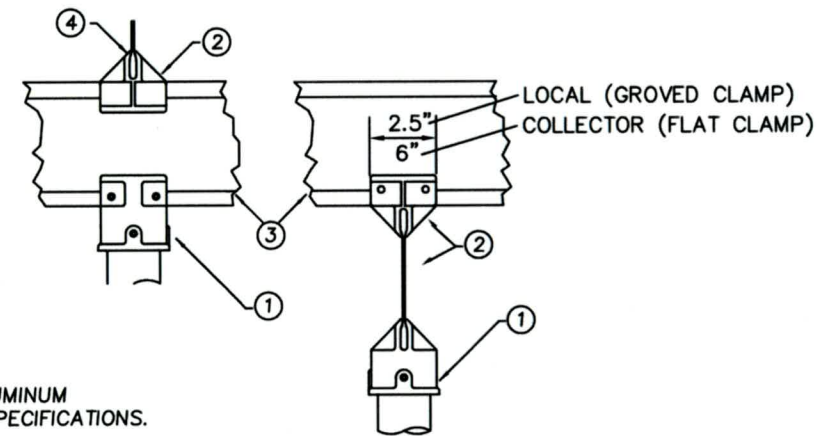
DETAIL 'A'



DETAIL 'B'

SIGN MOUNTING BRACKET NOTES

- ① INSTALL STREET SIGN CAP MOUNT FOR STREET NAME SIGN.
- ② INSTALL 90° TOP MOUNT FOR STREET NAME SIGN.
- ③ INSTALL EXTRUDED or FLAT ALUMINUM STREET NAME SIGN PER CITY SPECIFICATIONS.
- ④ MOUNTING BRACKETS FOR LOCAL SIGNS SHALL HAVE A GROVED CLAMP TO FIT EXTRUDED SIGNS. MOUNTING BRACKETS FOR COLLECTOR SIGNS SHALL HAVE A FLAT CLAMP TO FIT FLAT SIGNS



NOTE: DRAWING NOT TO SCALE
ALL EYEBOLTS, BOLTS, NUTS, AND WASHERS SHALL BE GALV. STEEL UNLESS NOTED OTHERWISE. ALL SET SCREWS SHALL BE MIN. DIA. 1/4" STAINLESS STEEL WITH SQUARE OR HEX HEADS. ALL SPANWIRE HANGERS AND PLUMBIZERS SHALL BE CAST BRONZE.

No.	Revision/Issue	Date



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JASPER RD-DONDEA ST-FILBERT
LN SCHOOL CROSSING**

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226 FIFTH STREET, SPRINGFIELD, OR 97477
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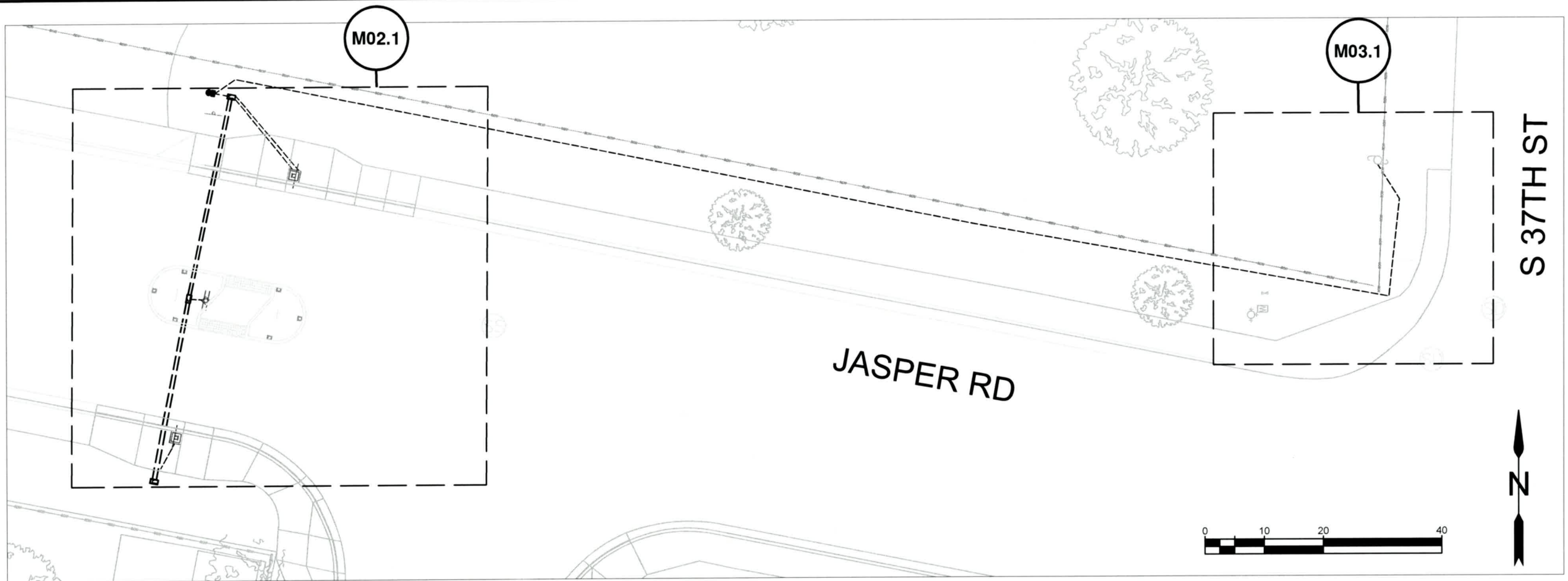


EXP DATE: 12-31-2023

SIGN INSTALLATION DETAILS

NO SCALE
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DESIGNED BY: B. JABUSCH
CHECKED BY: B. BARNETT

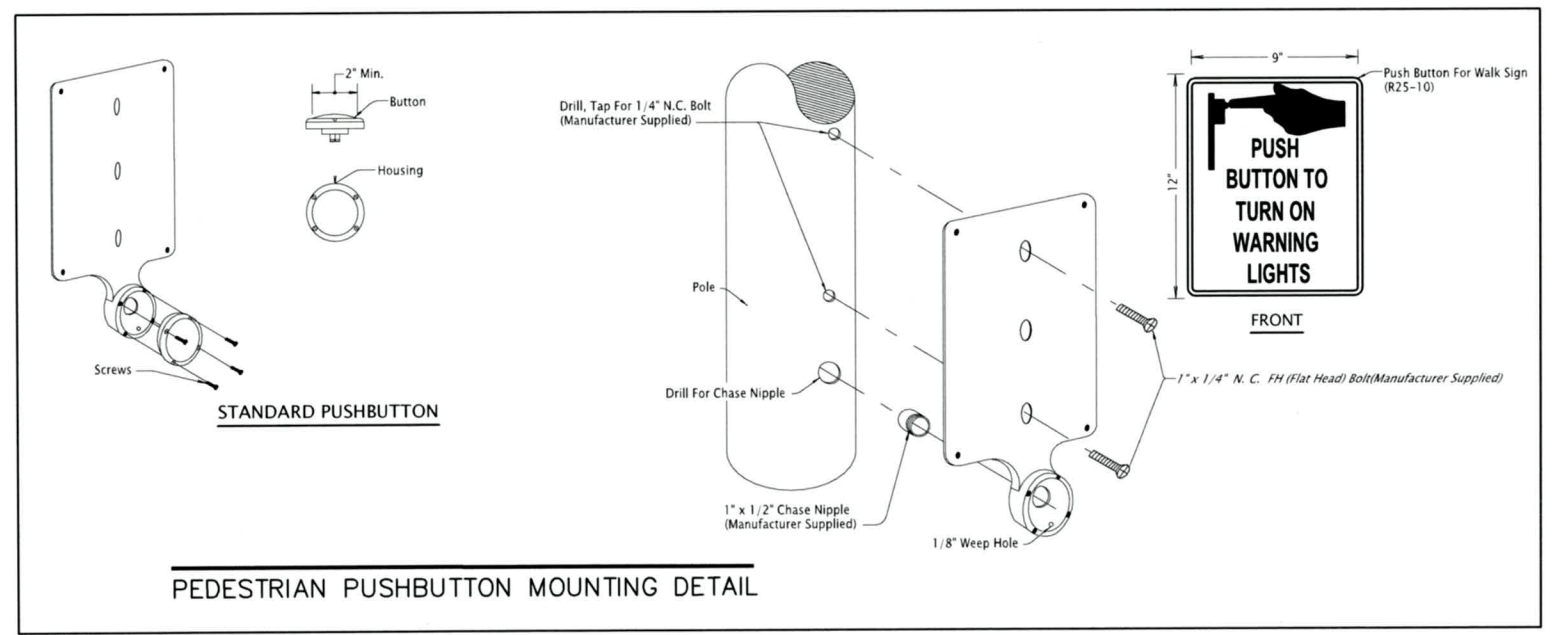
SHEET
L02.1
OF
64



ELECTRICAL PLAN LEGEND

- INSTALL PEDESTRIAN SIGNAL PEDESTAL ON FRANGIBLE BASE WITH RECTANGULAR RAPID FLASHING BEACON (RRFB), AND APS PEDESTRIAN PUSH BUTTON AND SIGN.
- INSTALL RRFB NETWORK SYSTEM CONTROLLER (NSC) ELTEC - MODEL SL55 OR APPROVED EQUAL.
- INSTALL (N=NUMBER) NO. (G=AWG WIRE SIZE) TYPE THWN CONDUCTORS WITH GREEN INSULATED GROUND.
- INSTALL (X=NUMBER OF CABLES) WITH (N=NUMBER) AWG NO. (G=AWG WIRE SIZE) TYPE 18AWG BELDON 27601A.
- INSTALL (S=SIZE) INCH SCHEDULE 40 PVC ELECTRICAL CONDUIT.
- INSTALL POLY PULL LINE (225 FT./LB. MIN. STRENGTH).
- INSTALL 11"x18"x12" PRECAST POLYMER CONCRETE JUNCTION BOX.
- INSTALL CONDUIT BY HORIZONTAL DIRECTION DRILLING. OPEN TRENCH NOT ALLOWED.
- INSTALL 2" CONDUIT SPARE (CAP ENDS).
- INSTALL 120/240 VOLT SERVICE METER BASE. SEE SHEET M07
- INSTALL 6"x8"x12" SERVICE CABINET, 120 VOLT 100 AMP PANEL WITH MINIMUM 4 SINGLE-POLE CIRCUITS FOR RRFB.
- INSTALL (X=NUMBER OF CABLES) CONTROL CABLES WITH (N=NUMBER) AWG NO. (G=AWG WIRE SIZE) CONTROL CABLE

- ### CONSTRUCTION NOTES:
- 5 INSTALL J-BOXES. SEE ODOT STANDARD DETAIL TM472 FOR J-BOX DETAILS.
 - 9 INSTALL AND/OR MAINTAIN A NO. 16 AWG THWN STRANDED COPPER WIRE WITH AN ORANGE BASE AND BLUE STRIPE IN ALL CONDUITS AS A LOCATE WIRE.



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JASPER RD-DONDEA ST-FILBERT LN SCHOOL CROSSING

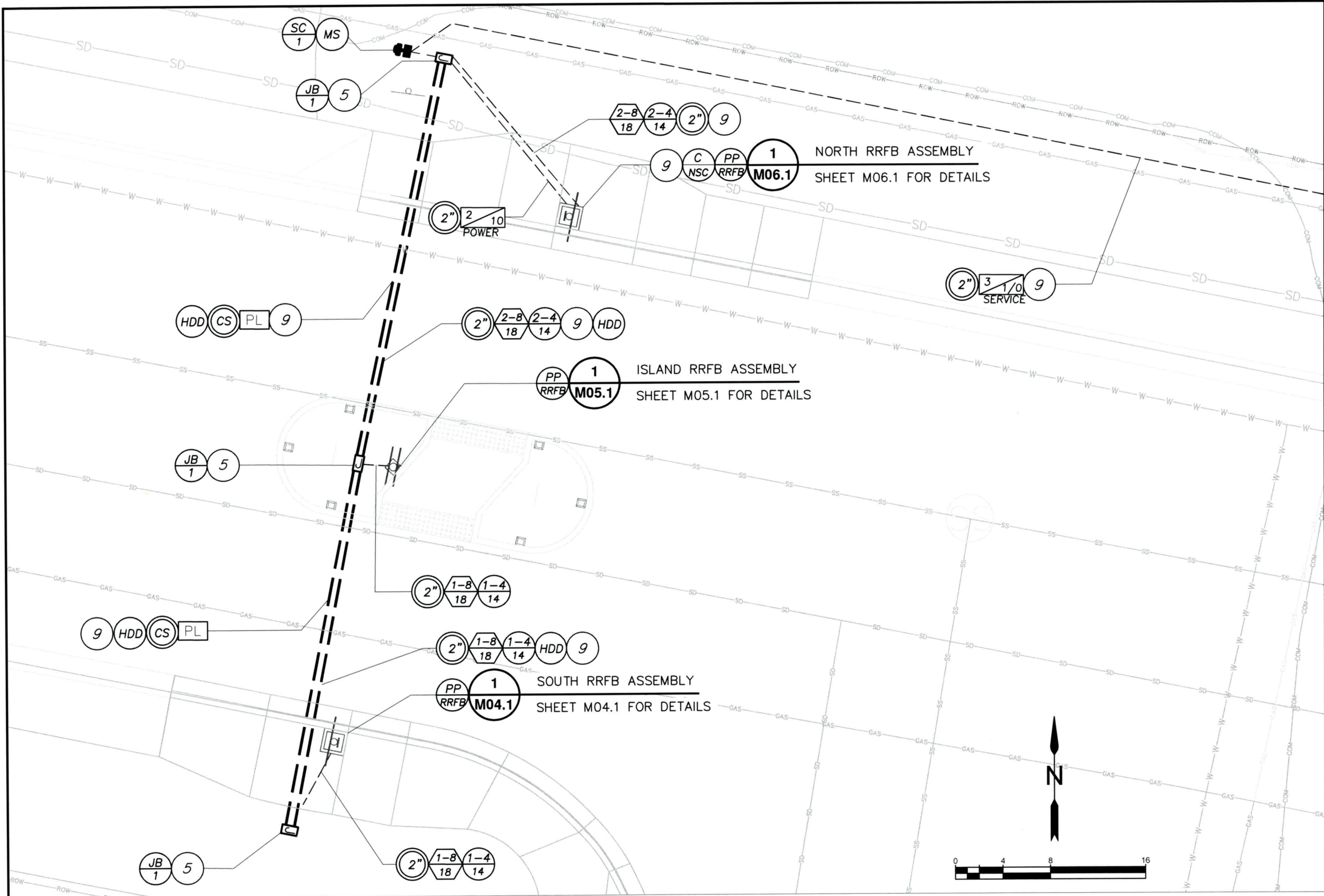
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EXP DATE: 12-31-2023

ELECTRICAL PLAN

1" = 20'	SHEET M01.1
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DESIGNED BY: B. JABUSCH	64
CHECKED BY: B. BARNETT	



RRFB ELECTRICAL SCHEMATIC

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205 FIFTH STREET, SPRINGFIELD, OR 97477
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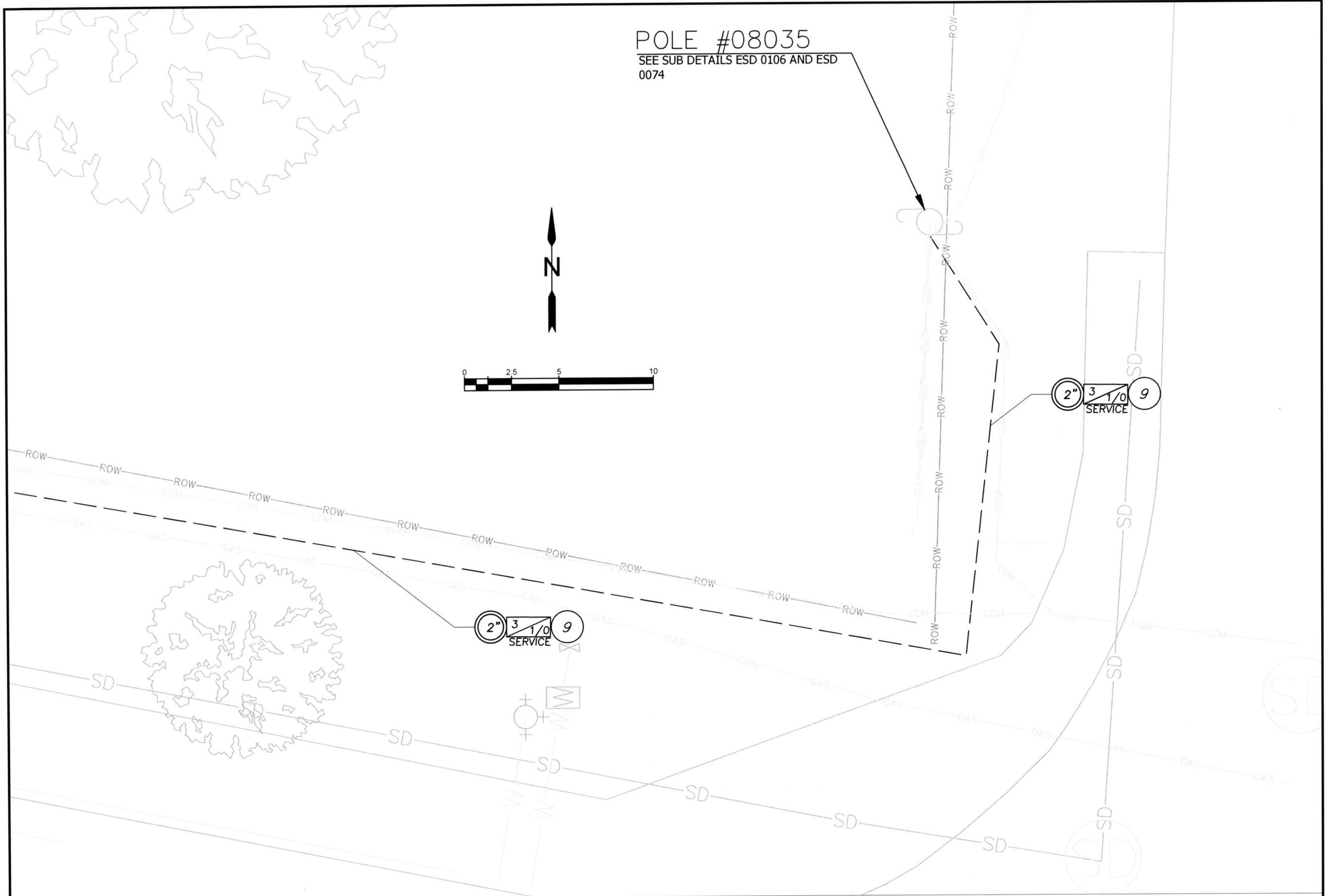


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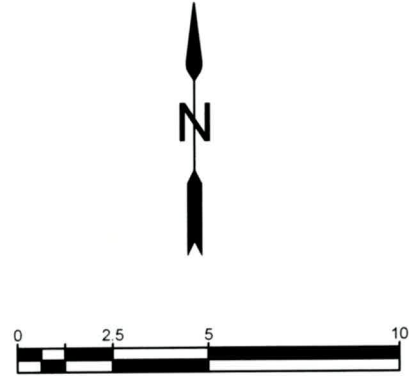
ELECTRICAL PLAN

1" = 8'
DRAWN BY: B. JABUSCH
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SHEET M02.1 OF 64



POLE #08035
 SEE SUB DETAILS ESD 0106 AND ESD 0074



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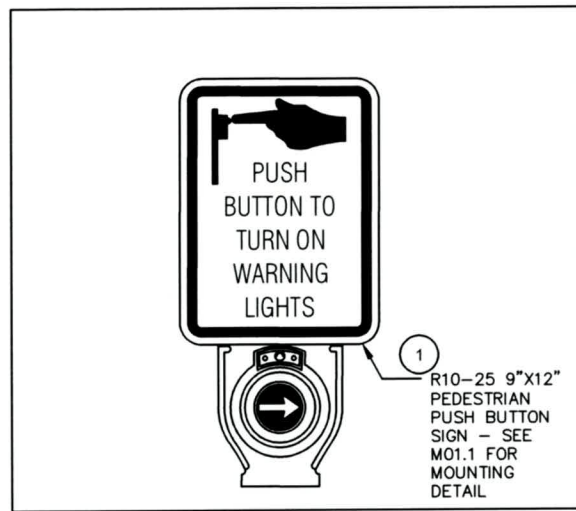
ELECTRICAL PLAN

1"=5'	SHEET M03.1 OF 64
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: B. BARNETT	

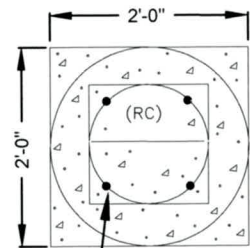
RRFB ELECTRICAL SCHEMATIC

NOTES:

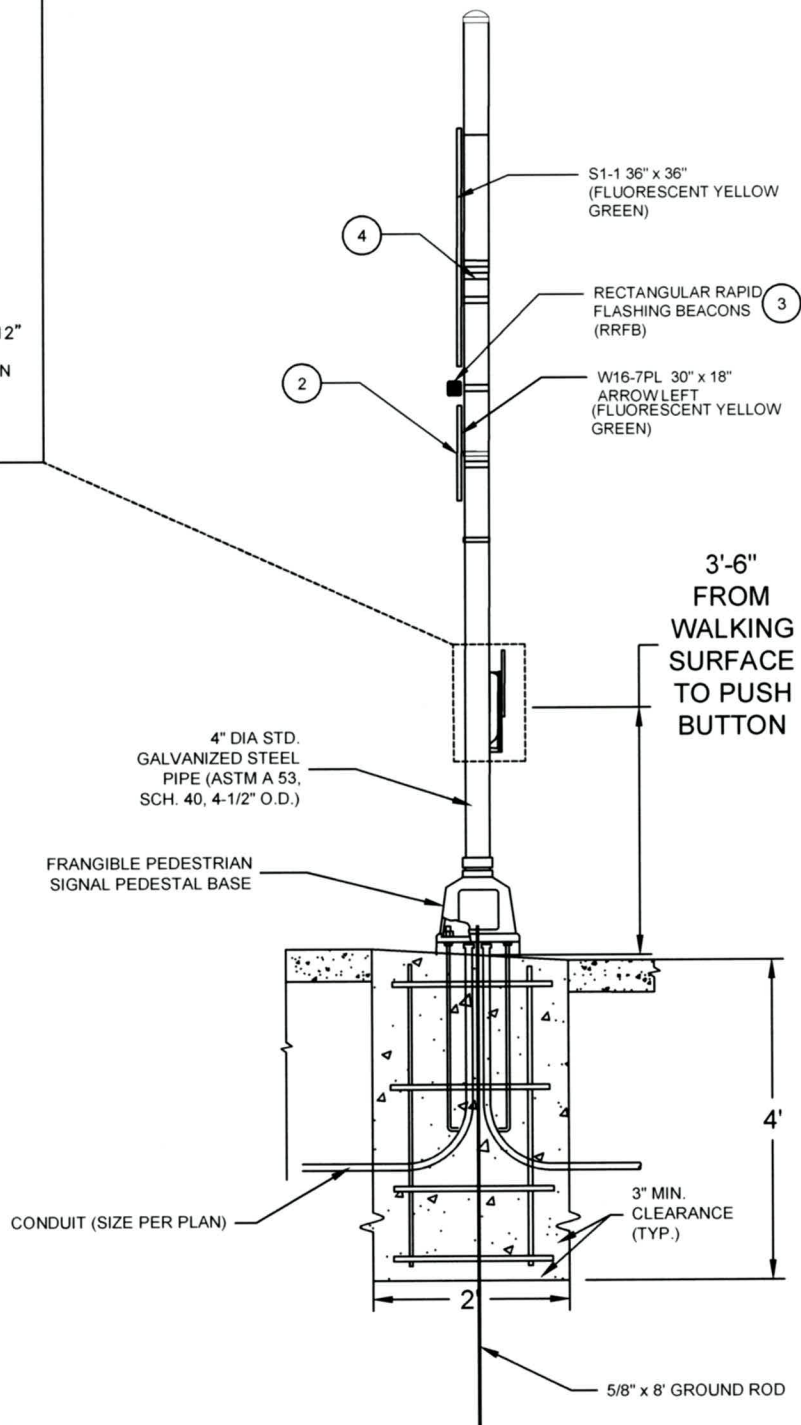
1. PUSH BUTTON ASSEMBLY TO BE POLARA MODEL INX OR EQUIVALENT. PUSH BUTTON ASSEMBLY TO INCLUDE AUDIBLE INDICATOR TONE AND CUSTOMIZABLE MESSAGE "WARNING LIGHTS ARE ON TO CROSS JASPER ROAD. TRAFFIC MAY NOT STOP." ORIENTATION OF BUTTON TO BE PARALLEL TO CROSSWALK PER MUTCD STANDARDS. PUSH BUTTON TO INCLUDE TACTILE ARROW ORIENTED TOWARD CROSSWALK AND R10-25 INSTRUCTION SIGN.
2. SECONDARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER ODOT STANDARD DRAWING TM677
3. ONE-SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB) BAR ASSEMBLY CLEAR LENSES WITH AMBER LED'S. TO BE ELTEC MODEL OR EQUIVALENT.
4. PRIMARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER OREGON STANDARD DRAWING TM677.



R10-25 9"x12" PEDESTRIAN PUSH BUTTON SIGN - SEE M01.1 FOR MOUNTING DETAIL



(4) 1 1/4" ANCHOR RODS (ASTM A 307) 3' LONG WITH 3 3/4" HOOK. 15" ROD CIRCLE.



4" DIA STD. GALVANIZED STEEL PIPE (ASTM A 53, SCH. 40, 4-1/2" O.D.)

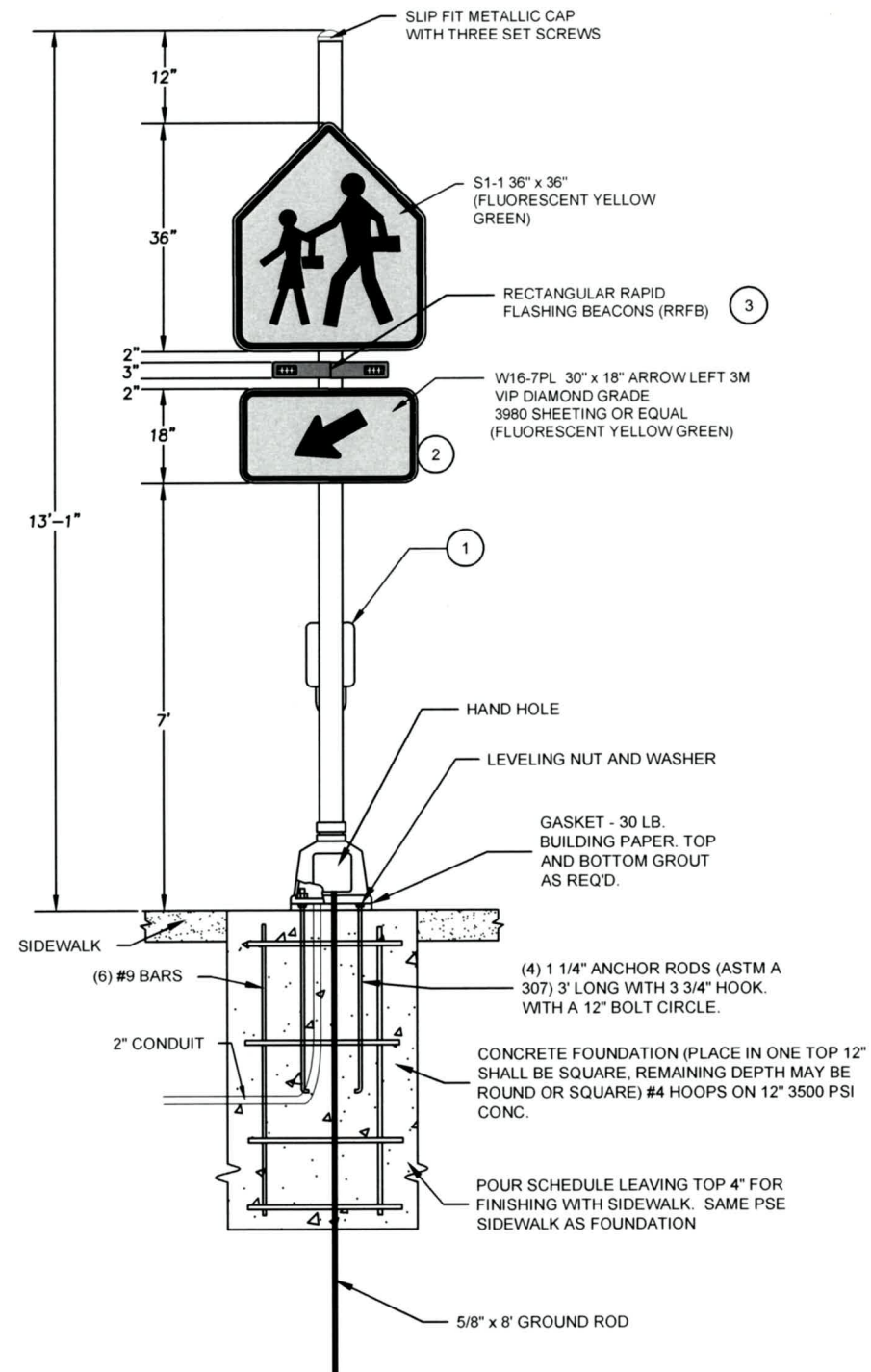
FRANGIBLE PEDESTRIAN SIGNAL PEDESTAL BASE

CONDUIT (SIZE PER PLAN)

3'-6" FROM WALKING SURFACE TO PUSH BUTTON

3" MIN. CLEARANCE (TYP.)

5/8" x 8' GROUND ROD



SLIP FIT METALLIC CAP WITH THREE SET SCREWS

S1-1 36" x 36" (FLUORESCENT YELLOW GREEN)

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

W16-7PL 30" x 18" ARROW LEFT 3M VIP DIAMOND GRADE 3980 SHEETING OR EQUAL (FLUORESCENT YELLOW GREEN)

HAND HOLE

LEVELING NUT AND WASHER

GASKET - 30 LB. BUILDING PAPER, TOP AND BOTTOM GROUT AS REQ'D.

SIDEWALK

(6) #9 BARS

2" CONDUIT

(4) 1 1/4" ANCHOR RODS (ASTM A 307) 3' LONG WITH 3 3/4" HOOK, WITH A 12" BOLT CIRCLE.

CONCRETE FOUNDATION (PLACE IN ONE TOP 12" SHALL BE SQUARE, REMAINING DEPTH MAY BE ROUND OR SQUARE) #4 HOOPS ON 12" 3500 PSI CONC.

POUR SCHEDULE LEAVING TOP 4" FOR FINISHING WITH SIDEWALK. SAME PSE SIDEWALK AS FOUNDATION

5/8" x 8' GROUND ROD

SOUTH RRFB ASSEMBLY

No.	Revision/Issue	Date



Know what's below.
Call before you dig.

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**Project P21180
JASPER RD-DONDEA ST-FILBERT
LN SCHOOL CROSSING**

City of Springfield
PUBLIC WORKS / ENGINEERING

225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
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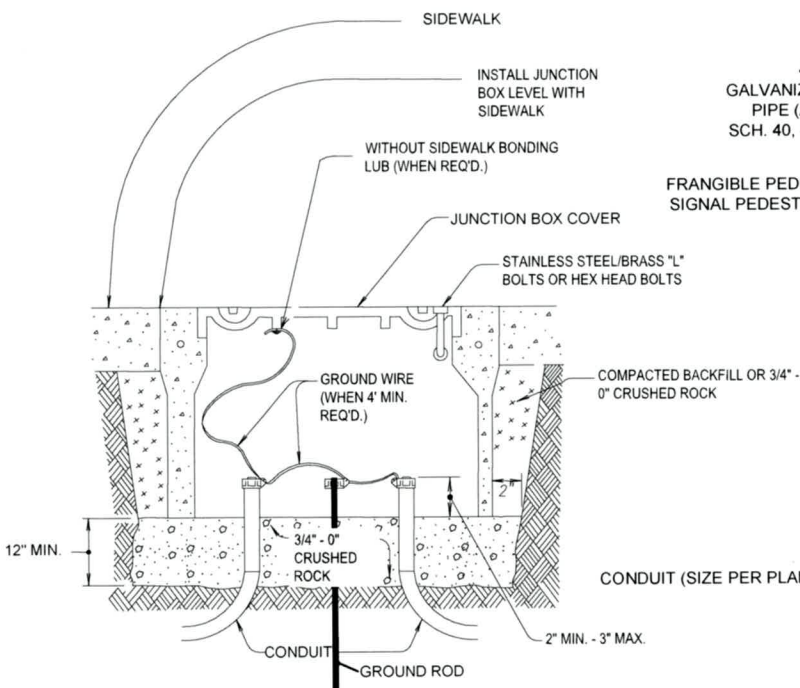
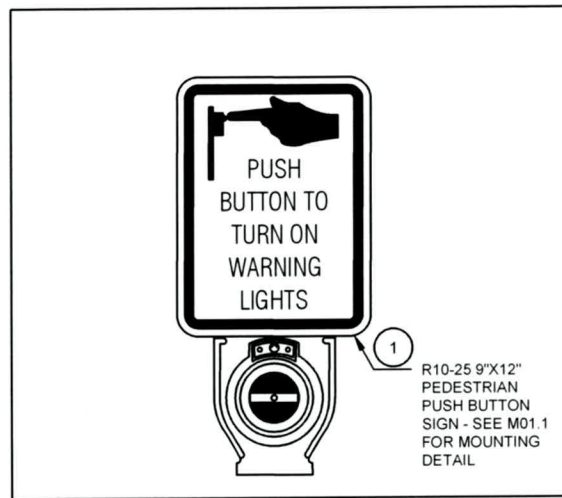
EXP DATE: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

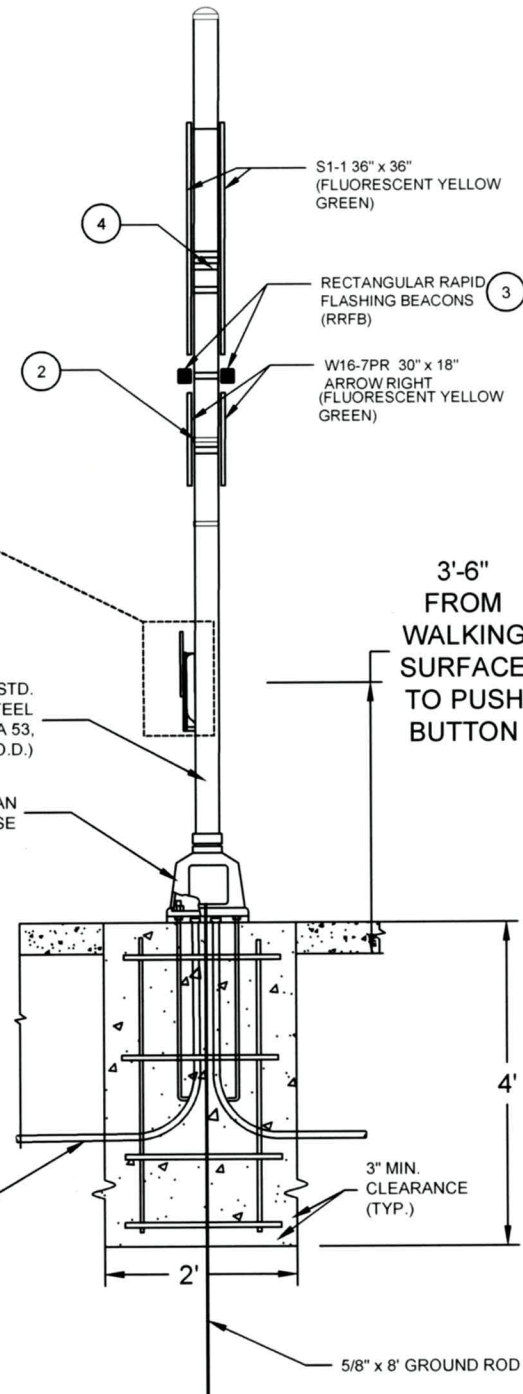
NO SCALE	SHEET M04.1 OF 64
DRAWN BY: B. JABUSCH	
DESIGNED BY: B. JABUSCH	
CHECKED BY: B. BARNETT	

NOTES:

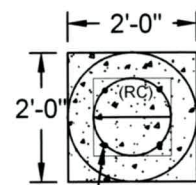
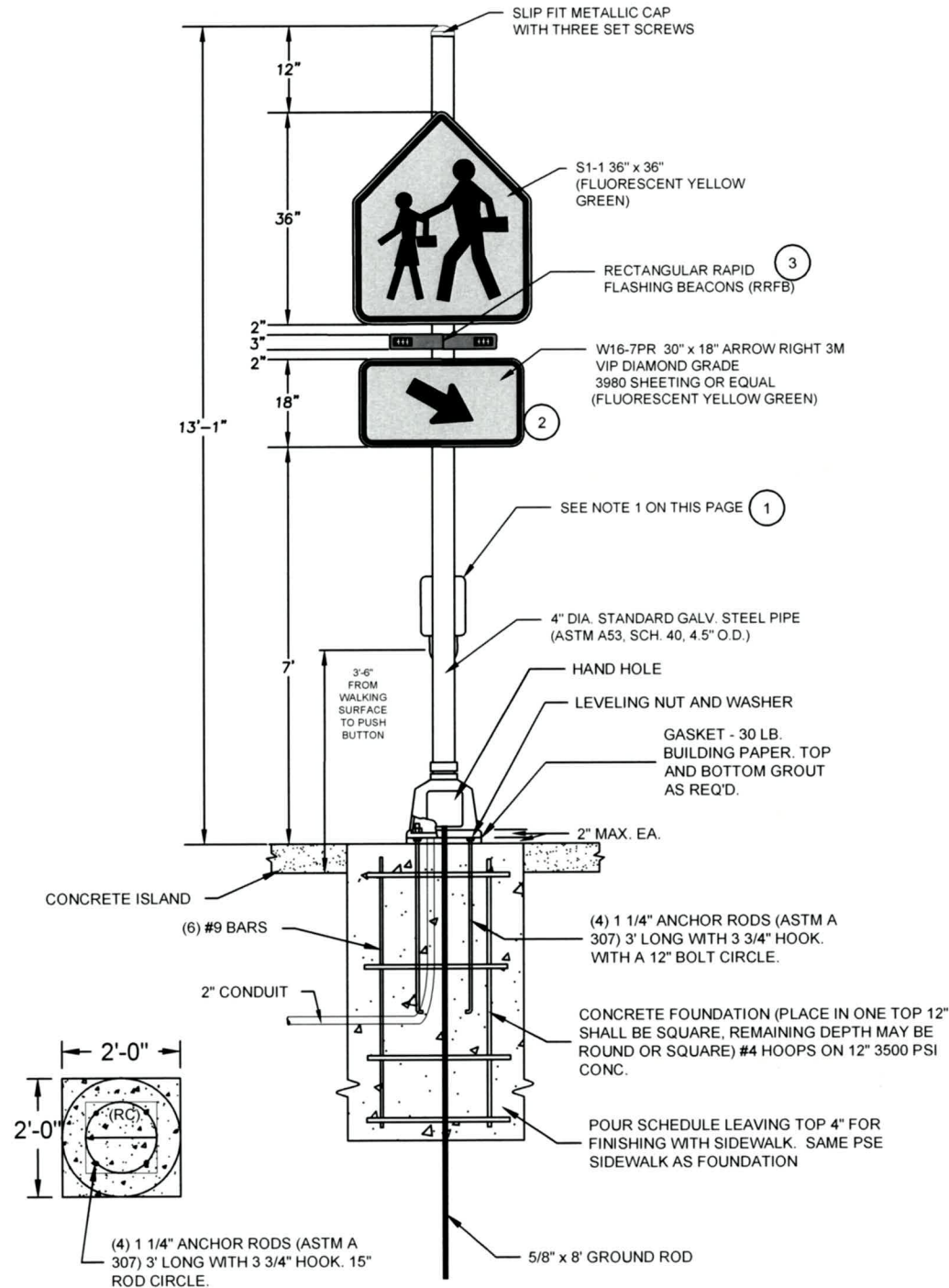
1. PUSH BUTTON ASSEMBLY TO BE POLARA MODEL INX OR EQUIVALENT. PUSH BUTTON ASSEMBLY TO INCLUDE AUDIBLE INDICATOR TONE AND CUSTOMIZABLE MESSAGE "WARNING LIGHTS ARE ON TO CROSS JASPER ROAD. TRAFFIC MAY NOT STOP." ORIENTATION OF BUTTON TO BE PARALLEL TO CROSSWALK PER MUTCD STANDARDS. PUSH BUTTON TO INCLUDE TACTILE ARROW ORIENTED TOWARD CROSSWALK AND R10-25 INSTRUCTION SIGN.
2. SECONDARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER ODOT STANDARD DRAWING TM677
3. ONE-SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB) BAR ASSEMBLY CLEAR LENSES WITH AMBER LED'S. TO BE ELTEC MODEL OR EQUIVALENT.
4. PRIMARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER OREGON STANDARD DRAWING TM677.



INSTALLATION IN SIDEWALK OR AT BACK OF CURB



3'-6" FROM WALKING SURFACE TO PUSH BUTTON



(4) 1 1/4" ANCHOR RODS (ASTM A 307) 3' LONG WITH 3 3/4" HOOK. 15" ROD CIRCLE.

No.	Revision/Issue	Date



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Call before you dig.

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Project P21180
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EXP DATE: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

NO SCALE

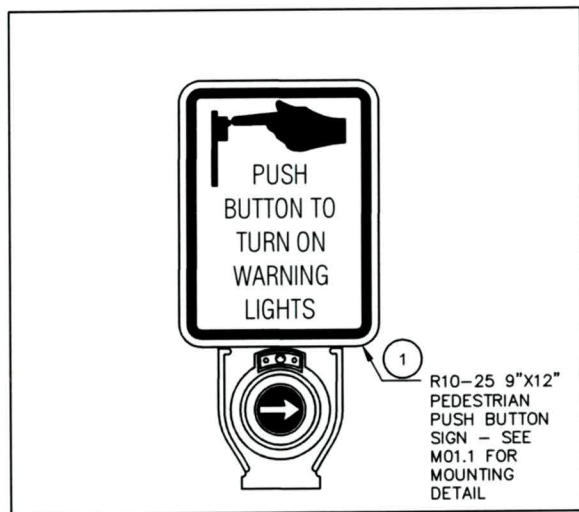
DRAWN BY: B. JABUSCH
DESIGNED BY: B. JABUSCH
CHECKED BY: B. BARNETT

SHEET M05.1 OF 64

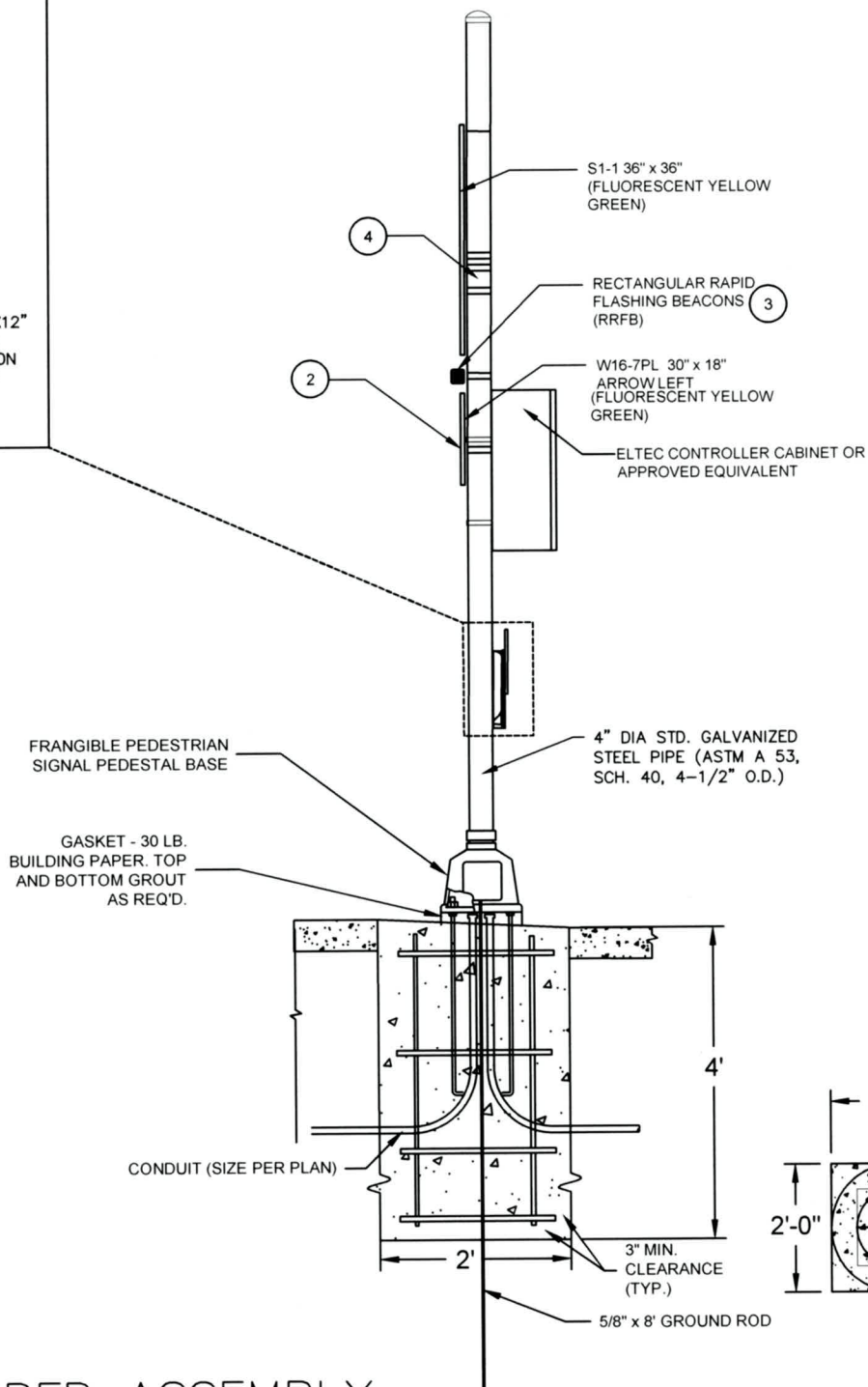
ISLAND RRFB ASSEMBLY

NOTES:

1. PUSH BUTTON ASSEMBLY TO BE POLARA MODEL INX OR EQUIVALENT. PUSH BUTTON ASSEMBLY TO INCLUDE AUDIBLE INDICATOR TONE AND CUSTOMIZABLE MESSAGE "WARNING LIGHTS ARE ON TO CROSS JASPER ROAD. TRAFFIC MAY NOT STOP." ORIENTATION OF BUTTON TO BE PARALLEL TO CROSSWALK PER MUTCD STANDARDS. PUSH BUTTON TO INCLUDE TACTILE ARROW ORIENTED TOWARD CROSSWALK AND R10-25 INSTRUCTION SIGN.
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4. PRIMARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER OREGON STANDARD DRAWING TM677.



R10-25 9"x12" PEDESTRIAN PUSH BUTTON SIGN - SEE M01.1 FOR MOUNTING DETAIL



FRANGIBLE PEDESTRIAN SIGNAL PEDESTAL BASE

GASKET - 30 LB. BUILDING PAPER, TOP AND BOTTOM GROUT AS REQ'D.

CONDUIT (SIZE PER PLAN)

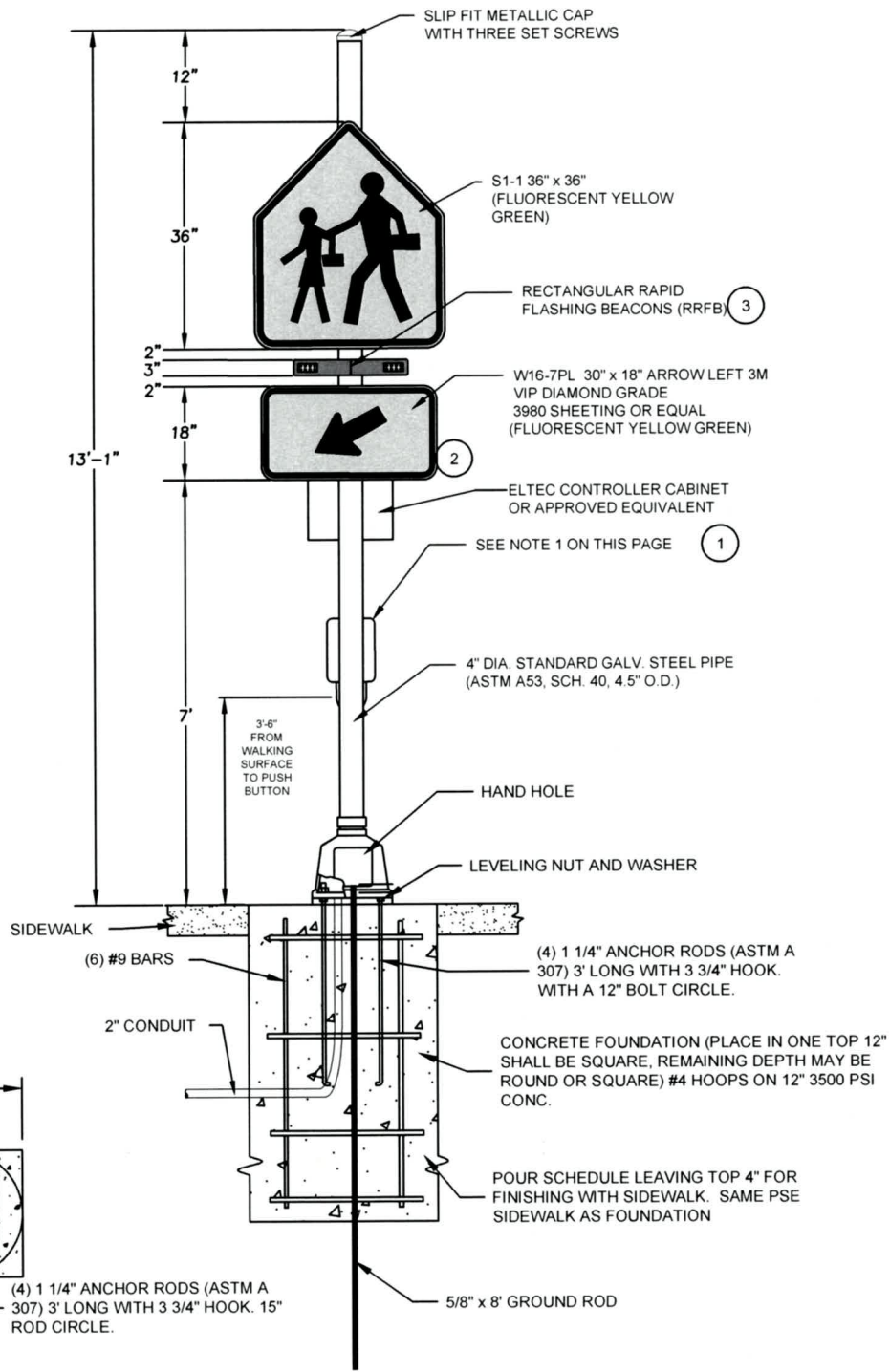
4" DIA STD. GALVANIZED STEEL PIPE (ASTM A 53, SCH. 40, 4-1/2" O.D.)

S1-1 36" x 36" (FLUORESCENT YELLOW GREEN)

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

W16-7PL 30" x 18" ARROW LEFT (FLUORESCENT YELLOW GREEN)

ELTEC CONTROLLER CABINET OR APPROVED EQUIVALENT



SIDEWALK (6) #9 BARS

2" CONDUIT

(4) 1 1/4" ANCHOR RODS (ASTM A 307) 3' LONG WITH 3 3/4" HOOK, WITH A 12" BOLT CIRCLE.

CONCRETE FOUNDATION (PLACE IN ONE TOP 12" SHALL BE SQUARE, REMAINING DEPTH MAY BE ROUND OR SQUARE) #4 HOOPS ON 12" 3500 PSI CONC.

POUR SCHEDULE LEAVING TOP 4" FOR FINISHING WITH SIDEWALK. SAME PSE SIDEWALK AS FOUNDATION

5/8" x 8" GROUND ROD

(4) 1 1/4" ANCHOR RODS (ASTM A 307) 3' LONG WITH 3 3/4" HOOK. 15" ROD CIRCLE.

HAND HOLE

LEVELING NUT AND WASHER

4" DIA. STANDARD GALV. STEEL PIPE (ASTM A53, SCH. 40, 4.5" O.D.)

ELTEC CONTROLLER CABINET OR APPROVED EQUIVALENT

W16-7PL 30" x 18" ARROW LEFT 3M VIP DIAMOND GRADE 3980 SHEETING OR EQUAL (FLUORESCENT YELLOW GREEN)

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

S1-1 36" x 36" (FLUORESCENT YELLOW GREEN)

SLIP FIT METALLIC CAP WITH THREE SET SCREWS

NORTH RRFB ASSEMBLY

No.	Revision/Issue	Date



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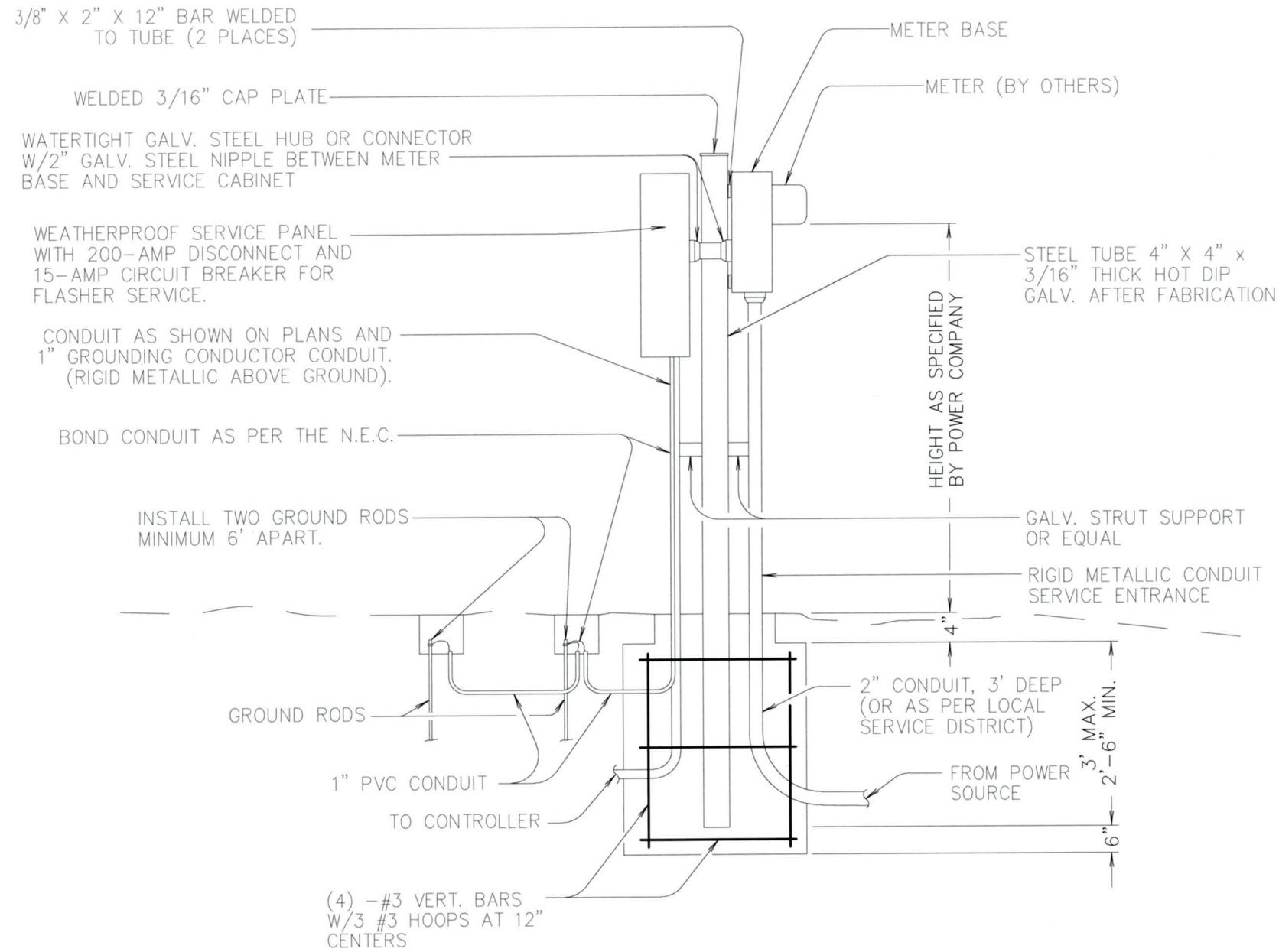
EXP DATE: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

NO SCALE

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

SHEET M06.1 OF 64



SERVICE PANEL/METER BASE

No.	Revision/Issue	Date



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EXP DATE: 12-31-2023

**RECTANGULAR RAPID
FLASHING BEACON DETAILS**

NO SCALE

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

**SHEET
M07.1
OF
64**

GENERAL NOTES

1. ALL CROSSWALKS AND BIKE LANE STENCILS SHALL BE TYPE "B-HS" THERMOPLASTIC. LONGITUDINAL PAVEMENT MARKINGS SHALL BE PAINT.
2. ALIGN CROSSWALKS WITH SIDEWALK RAMP LOCATIONS OR 5 FT BACK OF EXTENDED EDGE LINE, EDGE OF PAVEMENT, OR CURB FACE.
3. DIMENSIONS SHOWN ARE APPROXIMATE. ALL PAVEMENT MARKINGS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER.
4. REMOVE ALL EXISTING STRIPING THAT CONFLICTS WITH THIS PLAN. EXISTING STRIPING SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
5. THE LOCATIONS OF SIGN INSTALLATIONS SHOWN ARE APPROXIMATE WITH THE EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
6. EXISTING SIGNS NOT SHOWN ARE TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. EXISTING STRIPING ON THE SIDE STREETS SHALL BE MAINTAINED AND PROTECTED, UNLESS OTHERWISE SPECIFIED.

No.	Revision/Issue	Date



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City of Springfield



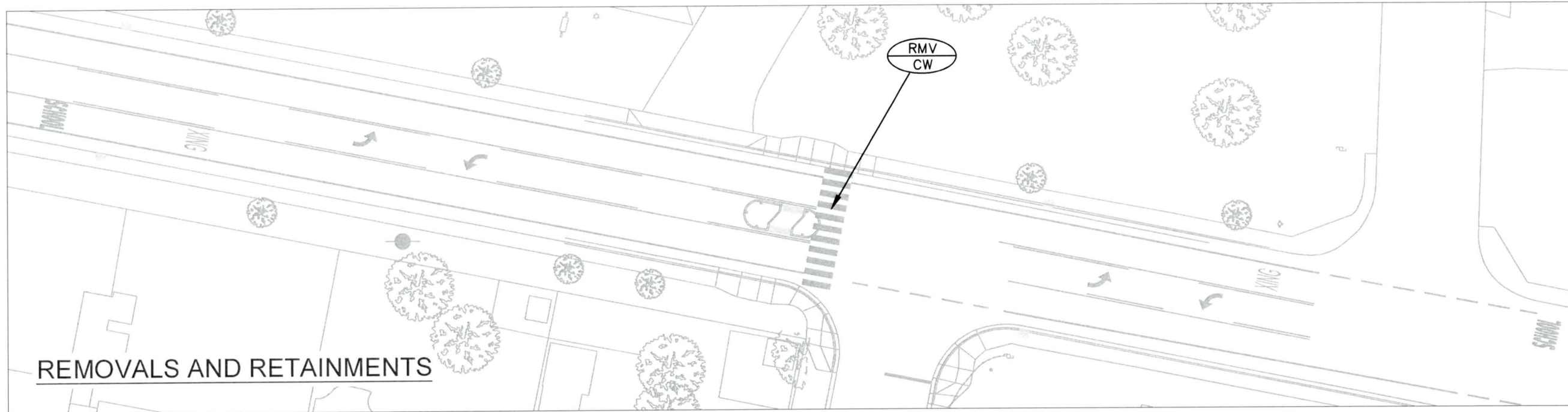
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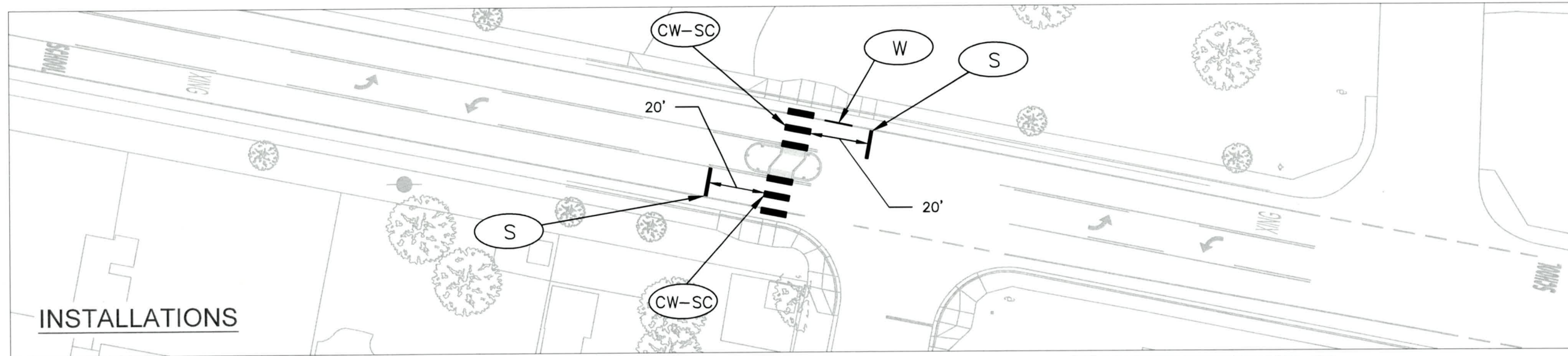
EXP DATE: 12-31-2023

PAVEMENT MARKING PLAN

NO SCALE	SHEET Q01.1
DRAWN BY: B. JABUSCH	OF 64
DESIGNED BY: B. JABUSCH	
CHECKED BY: K. KRUEGER	



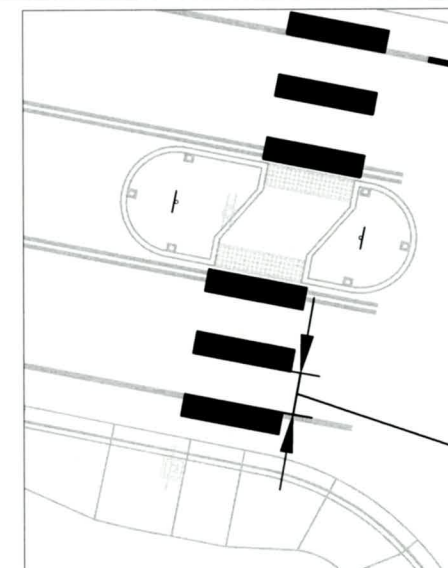
REMOVALS AND RETAINMENTS



INSTALLATIONS

SYMBOL LEGEND

- S INSTALL STOP BAR - TYPE B-HS THERMOPLASTIC 12" WHITE BAR - REFER TO STD DWG TM503
- CW-SC INSTALL TYPE B-HS THERMOPLASTIC STAGGERED CONTINENTAL CROSSWALK 2' WHITE BARS - REFER TO STD DWGS TM503 AND TM530
- RMV
CW REMOVE EXISTING CROSSWALK
- W INSTALL 8" WHITE LINE PAINT



3.7' GAP
BETWEEN
EACH
X-WALK BAR

No.	Revision/Issue	Date



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PAVEMENT MARKING PLAN

NO SCALE
DRAWN BY: B. JABUSCH
DESIGNED BY: B. JABUSCH
CHECKED BY: K. KRUEGER

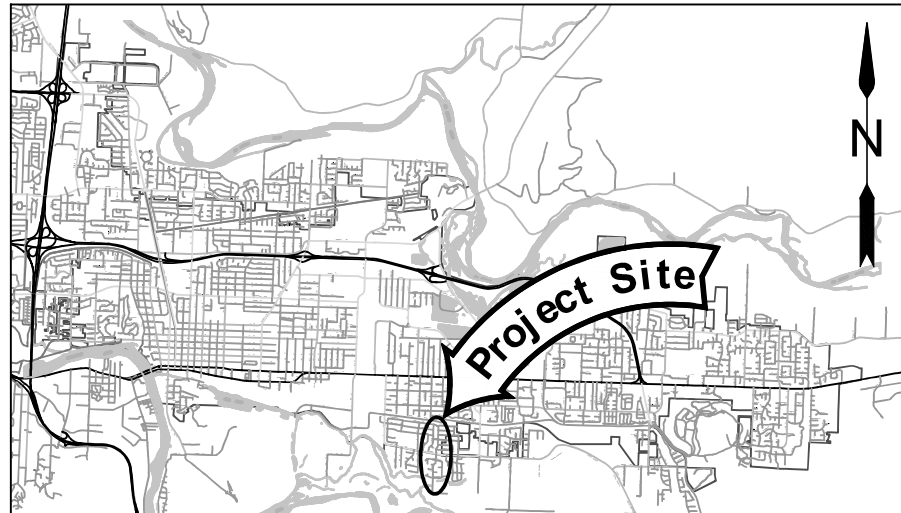
**SHEET
Q02.1
OF
64**

CITY OF SPRINGFIELD

DEVELOPMENT & PUBLIC WORKS

Project P21180 Jasper Rd-Dondea St-Filbert Ln School Crossings

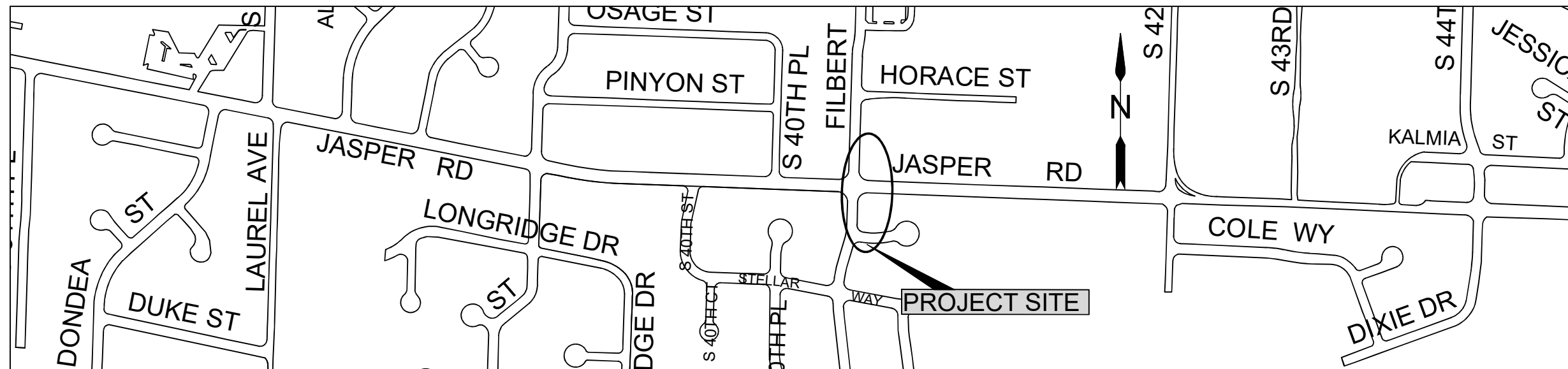
SCHOOL ZONE RECTANGULAR RAPID FLASHING BEACON, ADA CURB
RAMPS, SIGNING, STRIPING
PROJECT LOCATION #2 - JASPER RD AND FILBERT LN



NOTES

1. TOPO PERFORMED WITH THE TRIMBLE S6 TOTAL STATION AND TRIMBLE R8 GPS/RTK BETWEEN 6/6/19 & 6/27/19
2. HORIZONTAL DATUM IS NAD 83/91
3. VERTICAL DATUM IS NAVD88

VICINITY MAP



SHEET INDEX

SHEET NO.	DESCRIPTION
A01.2-A04.2	TITLE, LEGEND, ABBR., LAYOUT, GEN NOTES
B01.2-B04.2	NORTH CURB RAMP PAY LIMITS AND DETAILS
B05.2-B08.2	SOUTH CURB RAMP PAY LIMITS AND DETAILS
C01.2	GENERAL CONSTRUCTION DETAILS
E01.2-E06.2	TEMPORARY TRAFFIC CONTROL DETAILS
F01.2-F02.2	EROSION AND SEDIMENT CONTROL DETAILS
L01.2	SIGN INSTALLATION PLAN
MA01.2-MA03.2	ELECTRICAL NOTES
MB01.2-MB06.2	RECTANGULAR RAPID FLASHING BEACON
Q01.2	PAVEMENT MARKING PLAN

STANDARD DRAWINGS

DWG NO.	DESCRIPTION
3-8	SAWCUT STANDARD DRAWING
3-12	SIDEWALK CONSTRUCTION
4-9	CURB INLET CATCH BASIN
ESD 0074	TRENCHING DETAIL PROCEDURES & POLICIES
ESD 0106	UNDERGROUND SERVICE FED FROM OVERHEAD
TM300	ILLUMINATION CONTROL CABINETS
TM 471	TRENCHING AND CONDUIT INSTALLATION
TM 472	TRAFFIC SIGNAL JUNCTION BOXES/ HAND HOLDS
TM 677	SIGN MOUNTS



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EXP DATE: 06-30-2023

TITLE SHEET

NO SCALE	SHEET A01.2
DRAWN BY: J. GRASSETH	OF 64
DESIGNED BY: K. KRUEGER	
CHECKED BY: J.PASCHALL	

ABBREVIATIONS

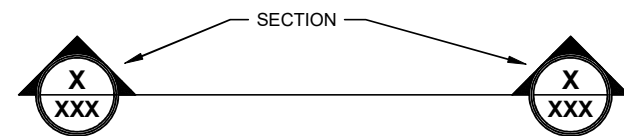
AB	AGGREGATE BASE	DET	DETAIL	IN	INCH, INCHES	RAD	RADIUS
ABAN	ABANDON(ED)	DI	DUCTILE IRON	INV	INVERT	RCP	REINFORCED CONCRETE PIPE
ACP	ASPHALTIC CONCRETE PAVEMENT	DIA	DIAMETER	LAT	LATERAL	RD	ROAD
AD	AREA DRAIN	DR	DRIVE	LDAP	LAND DRAINAGE & ALTERATION PERMIT	REINF	REINFORCE(D)(ING)(MENT)
ADA	AMERICANS WITH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

LEGEND

- COMMUNICATION LINE
- GAS LINE (DIA SHOWN)
- POWER LINE
- PROPERTY LINE
- STORMWATER DRAINAGE
- RIGHT OF WAY (ROW) LINE
- SANITARY LINE
- SAWCUT
- TV LINE
- WATER LINE (DIA SHOWN)
- CATCH BASIN
- GAS VALVE
- JUNCTION BOX
- POLE
- SIGN
- CURB INLET
- SANITARY MANHOLE
- TREE/BUSH/SHRUB
- TRUNCATED DOME
- WATER VALVE
- WATER METER

SECTION, MATCHLINE, AND DETAIL DESIGNATIONS

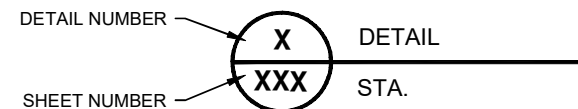
SECTION DESIGNATIONS



MATCHLINE DESIGNATIONS

MATCH LINE SEE SHEET
 STA XX+XX XXX

DETAIL DESIGNATIONS



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Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield

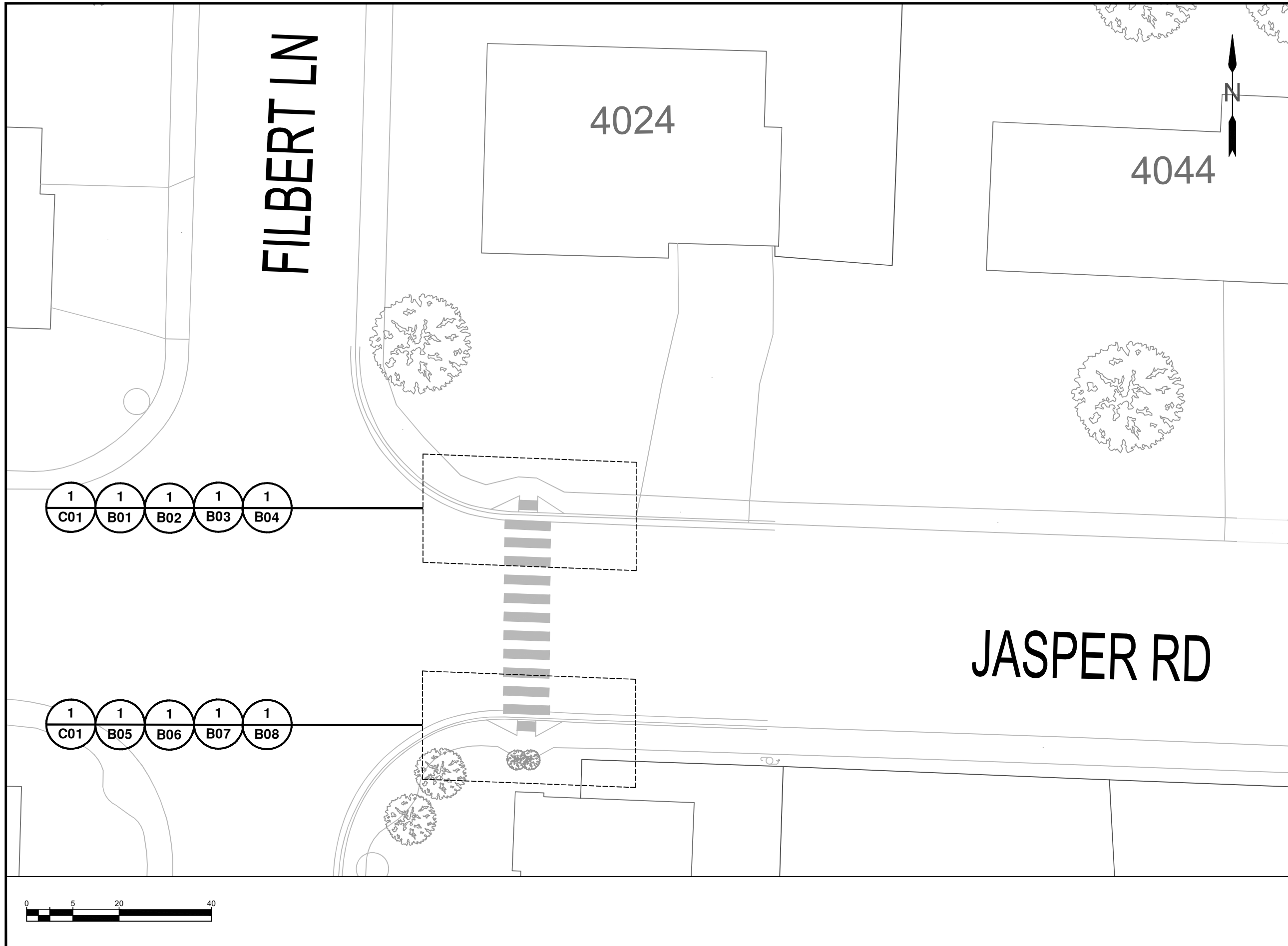
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EXP DATE: 06-30-2023

ABBREVIATIONS, LEGEND

NO SCALE **SHEET A02.2 OF 64**
 DRAWN BY: J. GRASSETH
 DESIGNED BY: K. KRUEGER
 CHECKED BY: J. PASCHALL



No.	Revision/Issue	Date



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EXP DATE: 06-30-2023

GENERAL LAYOUT

SCALE: 1" = 20'

DRAWN BY: J. GRASSETH
DESIGNED BY: K. KRUEGER
CHECKED BY: J. PASCHALL

**SHEET
A03.2
OF
64**

GENERAL CONSTRUCTION NOTES:

- A. ALL MATERIALS AND WORKMANSHIP WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS SHALL MEET 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.
- N. THIS PROJECT SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT 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. TESTING TO BE PERFORMED PER APWA STANDARD SPECIFICATIONS.
- 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. STD.SPEC. 104.08.
- U. REQUESTS BY THE CONTRACTOR FOR CHANGES SHALL BE APPROVED BY THE ENGINEER AND THE CITY IN WRITING PRIOR TO IMPLEMENTATION.
- V. CONTRACTOR SHALL BE AWARE IF PAVING IS NOT SCHEDULED OR DOES NOT OCCUR PRIOR TO OCTOBER 15TH, WET WEATHER PROVISIONS INCLUDING ADDITIONAL ROCK SUBSTRUCTURE AND GEOTEXTILE FABRIC SHALL USED. REFER TO STANDARD SPECIFICATION SECTION 301.1.01 AND THE TYPICAL CROSS SECTIONS CONTAINED HEREIN FOR DETAILS.
- W. THE CONTRACTOR SHALL VERIFY EACH EXISTING SANITARY AND STORM CONNECTION.

No.	Revision/Issue	Date



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**Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings**

City of Springfield

PUBLIC WORKS / ENGINEERING
226 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3763 FAX (541) 726-3689
INTERNET www.springfield-or.gov









EXP DATE: 06-30-2023

GEN. CONSTRUCTION NOTES

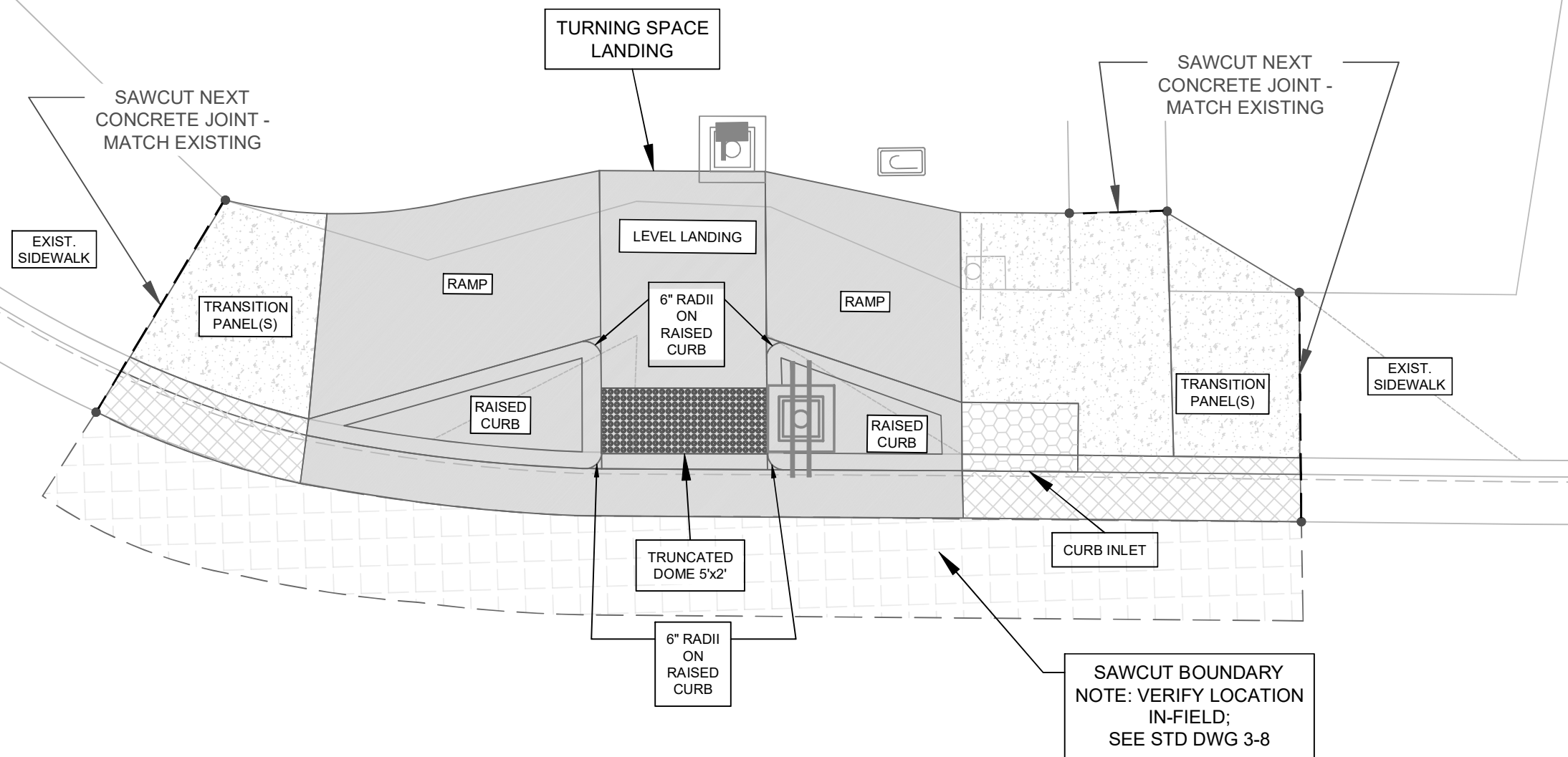
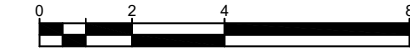
NO SCALE	SHEET A04.2 OF 64
<small>DRAWN BY: J. GRASSETH</small>	
<small>DESIGNED BY: K. KRUEGER</small>	
<small>CHECKED BY: J.PASCHALL</small>	

PAY LIMIT LEGEND:

-  CONCRETE ADA RAMP BOUNDARY
-  4" CONCRETE SIDEWALK/TRANSITION PANEL PAY LIMIT BOUNDARY
-  CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY
-  LEVEL 3 1/2" DENSE ASPHALT CONCRETE PAVEMENT (ACP)
-  CURB INLET COVER REPLACEMENT
-  TRUNCATED DOMES

NOTES:

- SAWCUT LOCATION TO BE VERIFIED IN THE FIELD WITH THE ENGINEER OR REPRESENTATIVE
- SAWCUTTING COSTS SHALL BE INCIDENTAL TO RAMP COST; SEE SPECIAL PROVISIONS FOR FURTHER DETAILS



JASPER ROAD AND FILBERT LANE - PROJECT LOCATION #2
NORTHEAST CORNER

Revision	Issue	Date



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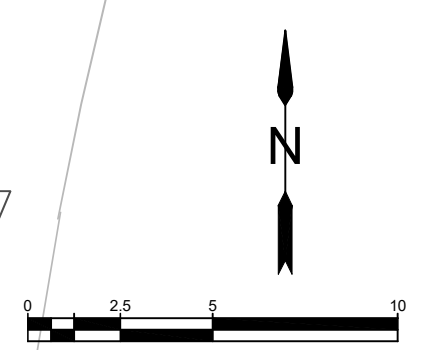
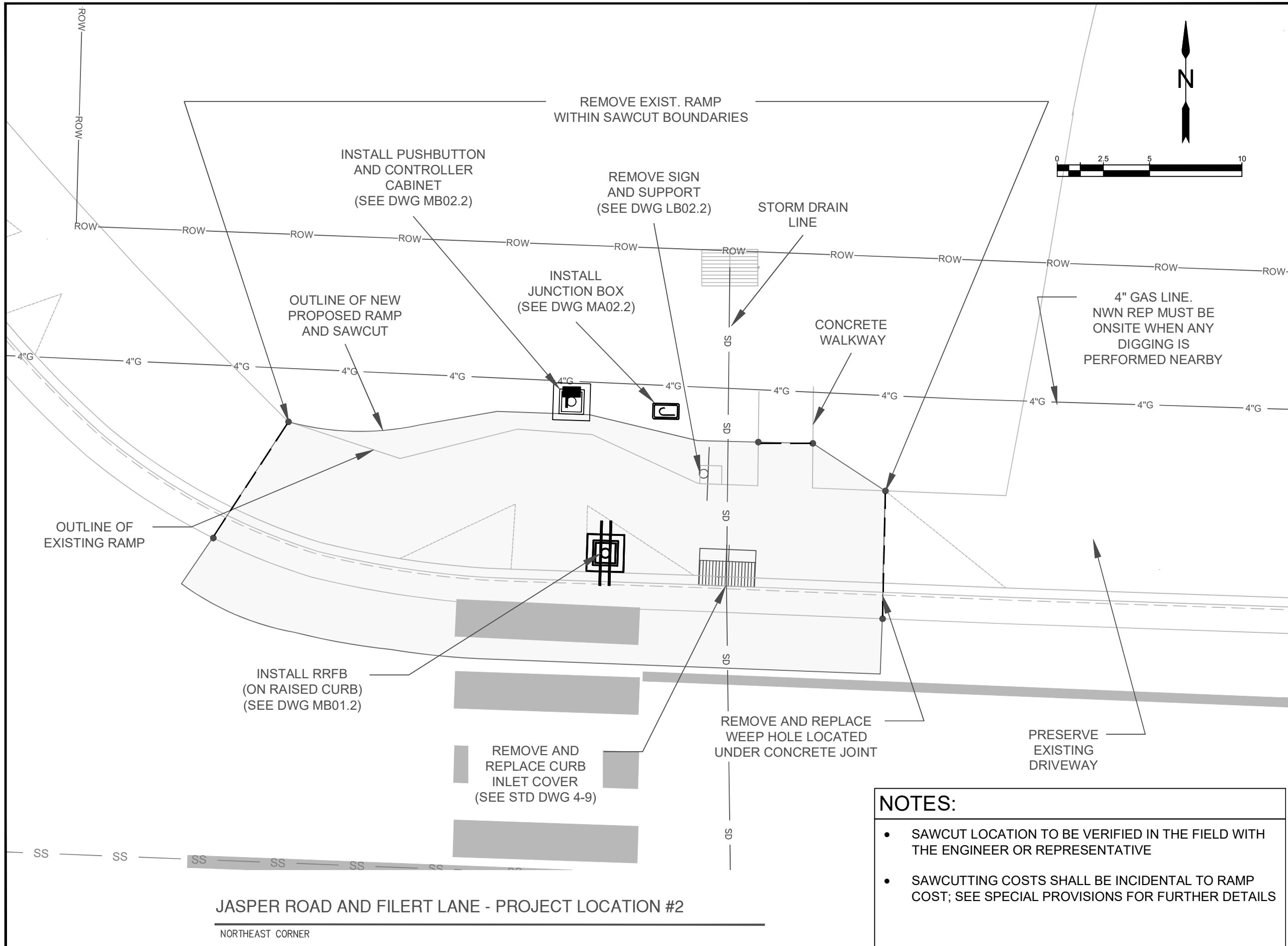


EXP DATE: 06-30-2023

CURB RAMP PAY LIMIT

SCALE: 1" = 4'
DRAWN BY: J. GRASSETH
DESIGNED BY: K. KRUEGER
CHECKED BY: J. PASCHALL

SHEET B01.2
OF 64



- NOTES:**
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**Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings**

City of Springfield

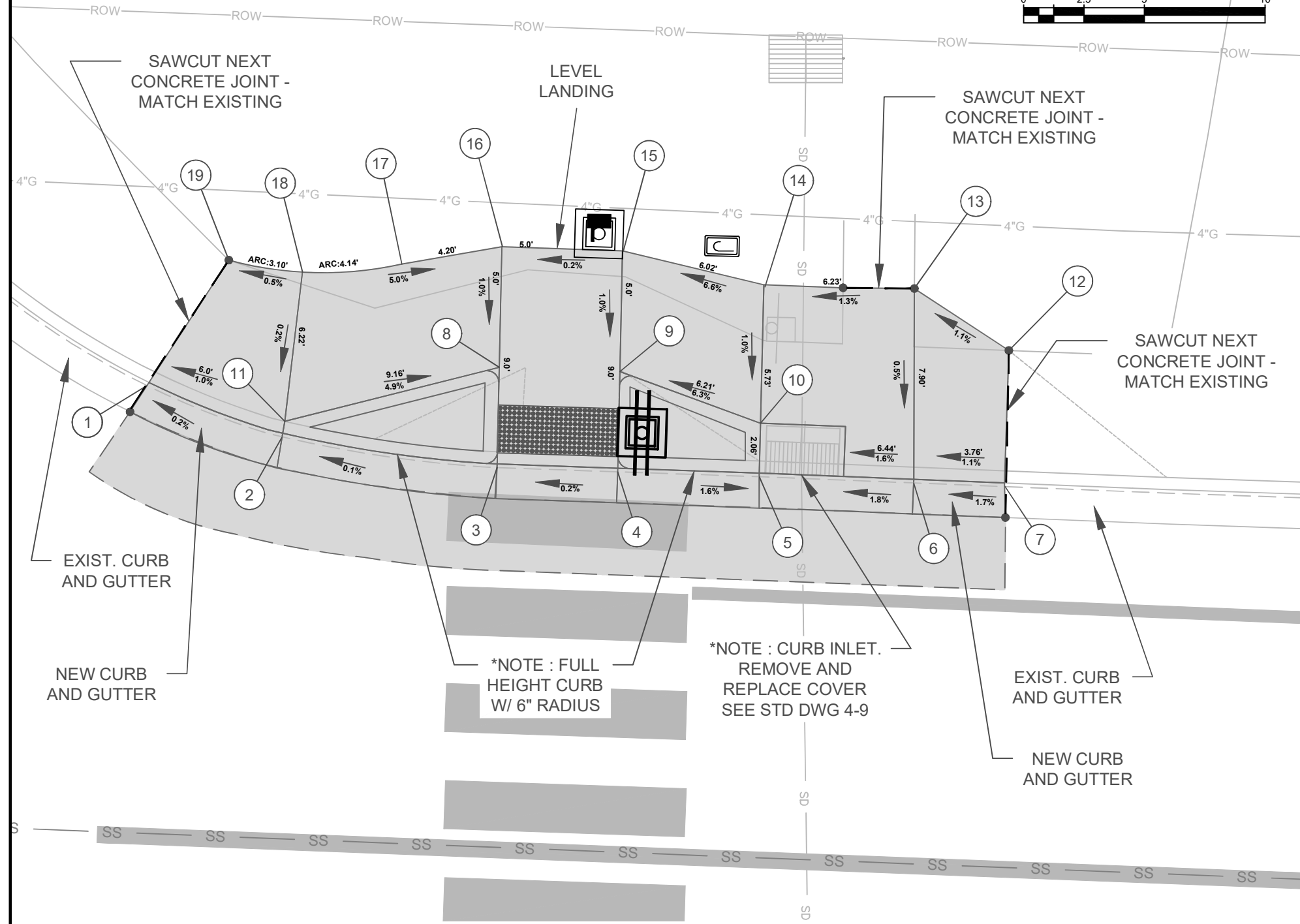
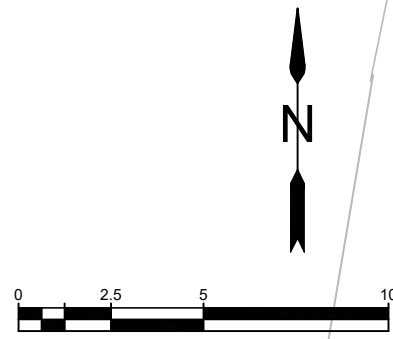
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EXP DATE: 06-30-2023

RAMP OBSTACLE DETAILS	
SCALE: 1" = 5'	SHEET B02.2
DRAWN BY: J. GRASSETH	OF
DESIGNED BY: K. KRUEGER	64
CHECKED BY: J. PASCHALL	

- NOTES:**
- SAWCUT LOCATION TO BE VERIFIED IN THE FIELD WITH THE ENGINEER OR REPRESENTATIVE
 - SAWCUTTING COSTS SHALL BE INCIDENTAL TO RAMP COST; SEE SPECIAL PROVISIONS FOR FURTHER DETAILS



POINT TABLE		
POINT #	CFFL ELEVATION (FT)	TFC ELEVATION (FT)
1	485.76	486.21
2	485.77	486.27
3	485.78	486.28
4	485.79	486.29
5	485.70	486.22
6	485.82	486.32
7	485.88	486.36
POINT #	LANDING ELEVATION (FT)	TFC ELEVATION (FT)
8	485.82	486.32
9	485.83	486.33
POINT #	ELEVATION (FT)	DESCRIPTION
10	486.22	TFC / RAMP INTERSECTION
11	486.27	TFC / RAMP INTERSECTION
12	486.41	BSW
13	486.36	BSW
14	486.28	BSW / SIDE OF RAMP
15	485.88	BSW / TOP OF LANDING
16	485.87	BSW / TOP OF LANDING
17	486.08	BSW / SIDE OF RAMP
18	486.29	BSW / SIDE OF RAMP
19	486.27	BSW

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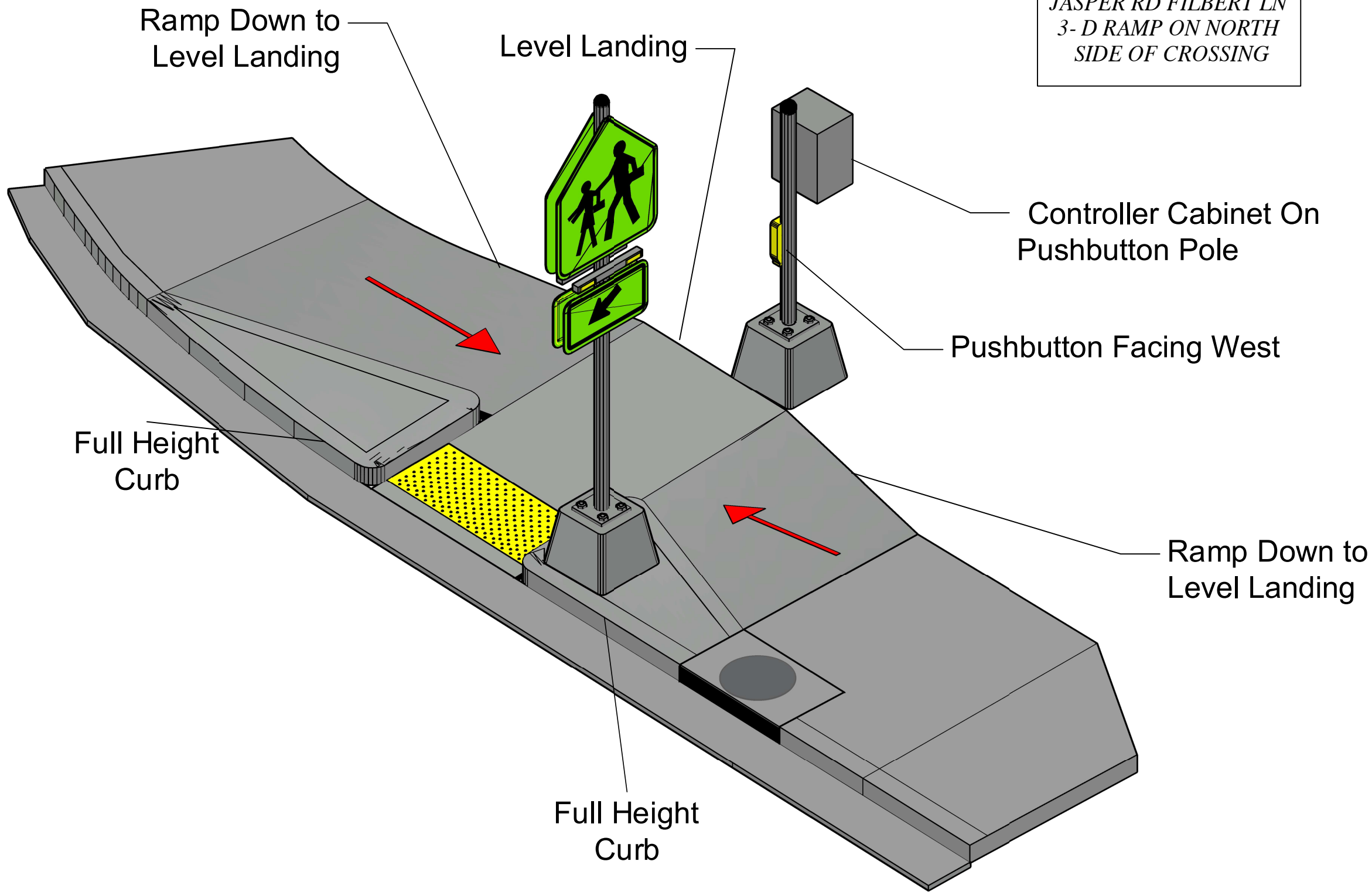
CURB RAMP DETAILS

SCALE: 1" = 5'

SHEET **B03.2** OF **64**

DRAWN BY: J. GRASSETH
 DESIGNED BY: K. KRUEGER
 CHECKED BY: J. PASCHALL

JASPER ROAD AND FILBERT LANE- PROJECT LOCATION #2
 NORTHEAST CORNER



JASPER RD FILBERT LN
3- D RAMP ON NORTH
SIDE OF CROSSING

No.	Revision/Issue	Date



Know what's below.
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







EXP DATE: 06-30-2023

3-D RAMP MODEL

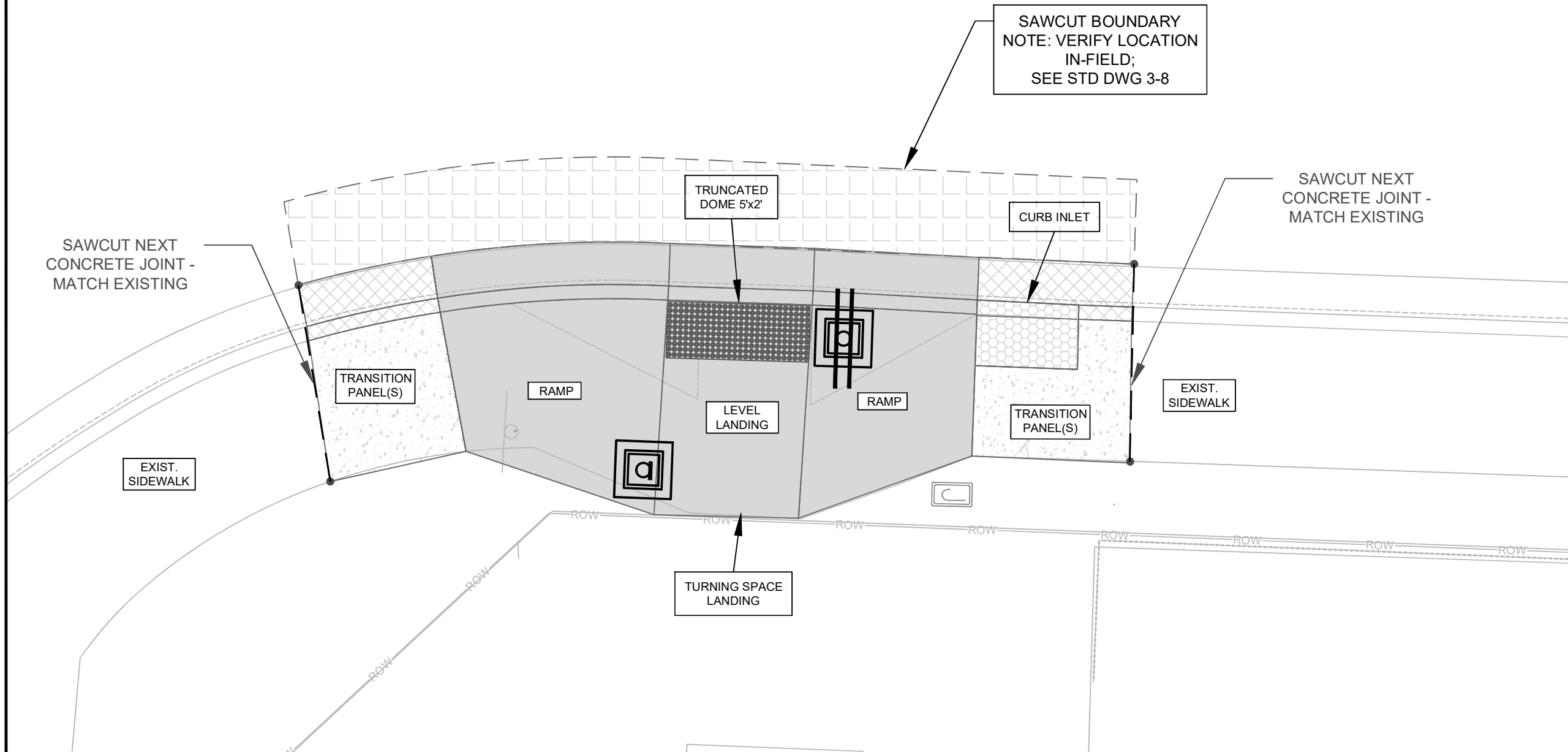
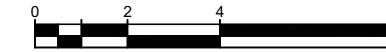
NO SCALE	SHEET B04.2 OF 64
DRAWN BY: J. GRASSETH	
DESIGNED BY: K. KRUEGER	
CHECKED BY: J.PASCHALL	

PAY LIMIT LEGEND:

-  CONCRETE ADA RAMP BOUNDARY
-  4" CONCRETE SIDEWALK/TRANSITION PANEL PAY LIMIT BOUNDARY
-  CONCRETE CURB AND GUTTER PAY LIMIT BOUNDARY
-  LEVEL 3 1/2" DENSE ASPHALT CONCRETE PAVEMENT (ACP)
-  CURB INLET COVER REPLACEMENT
-  TRUNCATED DOMES

NOTES:

- CURB AND GUTTER ON SOUTH CORNER CAN REMAIN
- SAWCUTTING COST SHALL BE INCIDENTAL TO RAMP COST; SEE SPECIAL PROVISIONS FOR FURTHER DETAILS



JASPER ROAD AND FILBERT LANE - PROJECT LOCATION #2

SOUTHEAST CORNER



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**Project P21180
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CURB RAMP PAY LIMIT

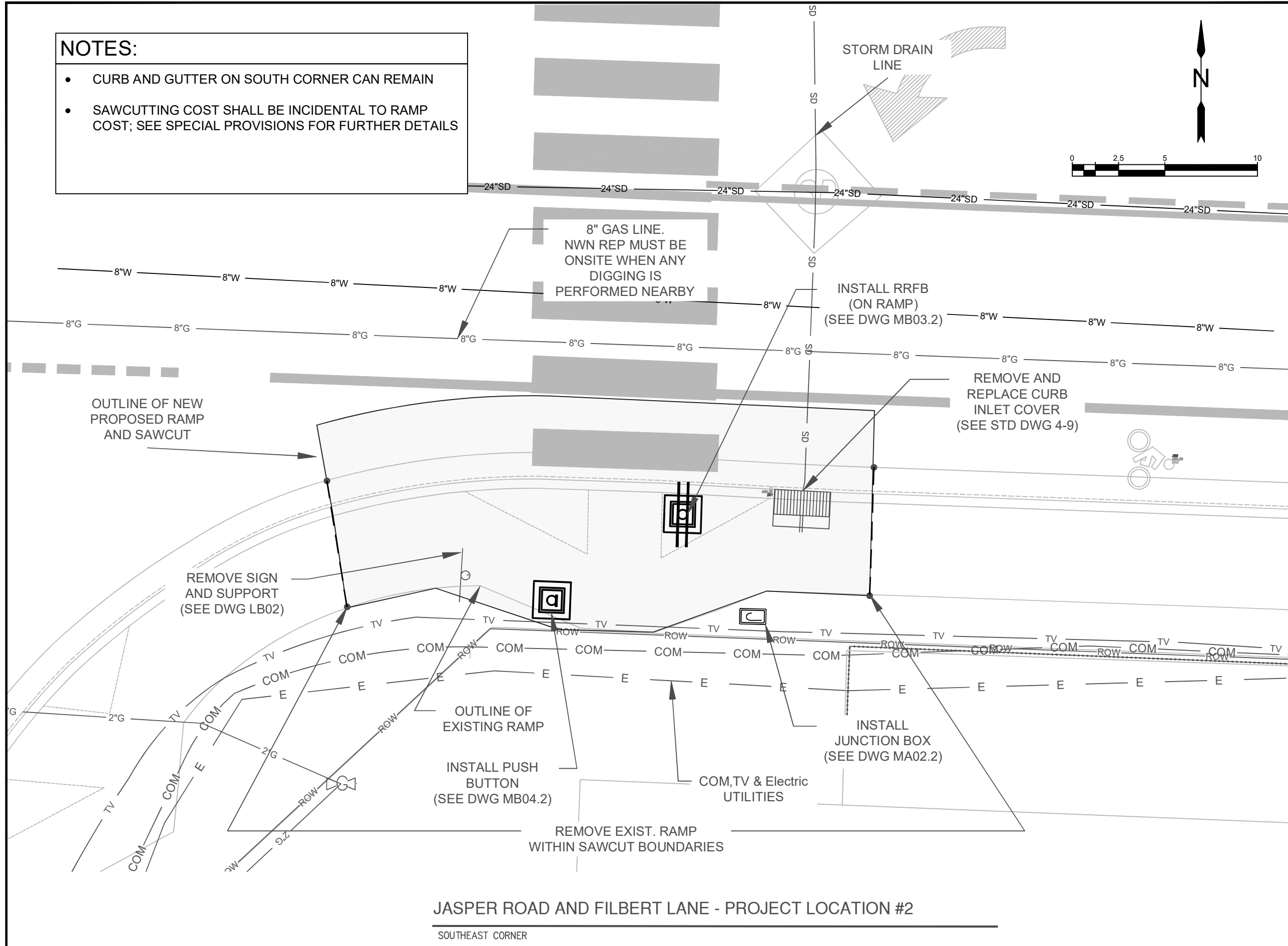
SCALE: 1" = 4'

DRAWN BY: J. GRASSETH
DESIGNED BY: K. KRUEGER
CHECKED BY: J. PASCHALL

**SHEET
B05.2
OF
64**

NOTES:

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JASPER ROAD AND FILBERT LANE - PROJECT LOCATION #2

SOUTHEAST CORNER



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RAMP OBSTACLE DETAILS

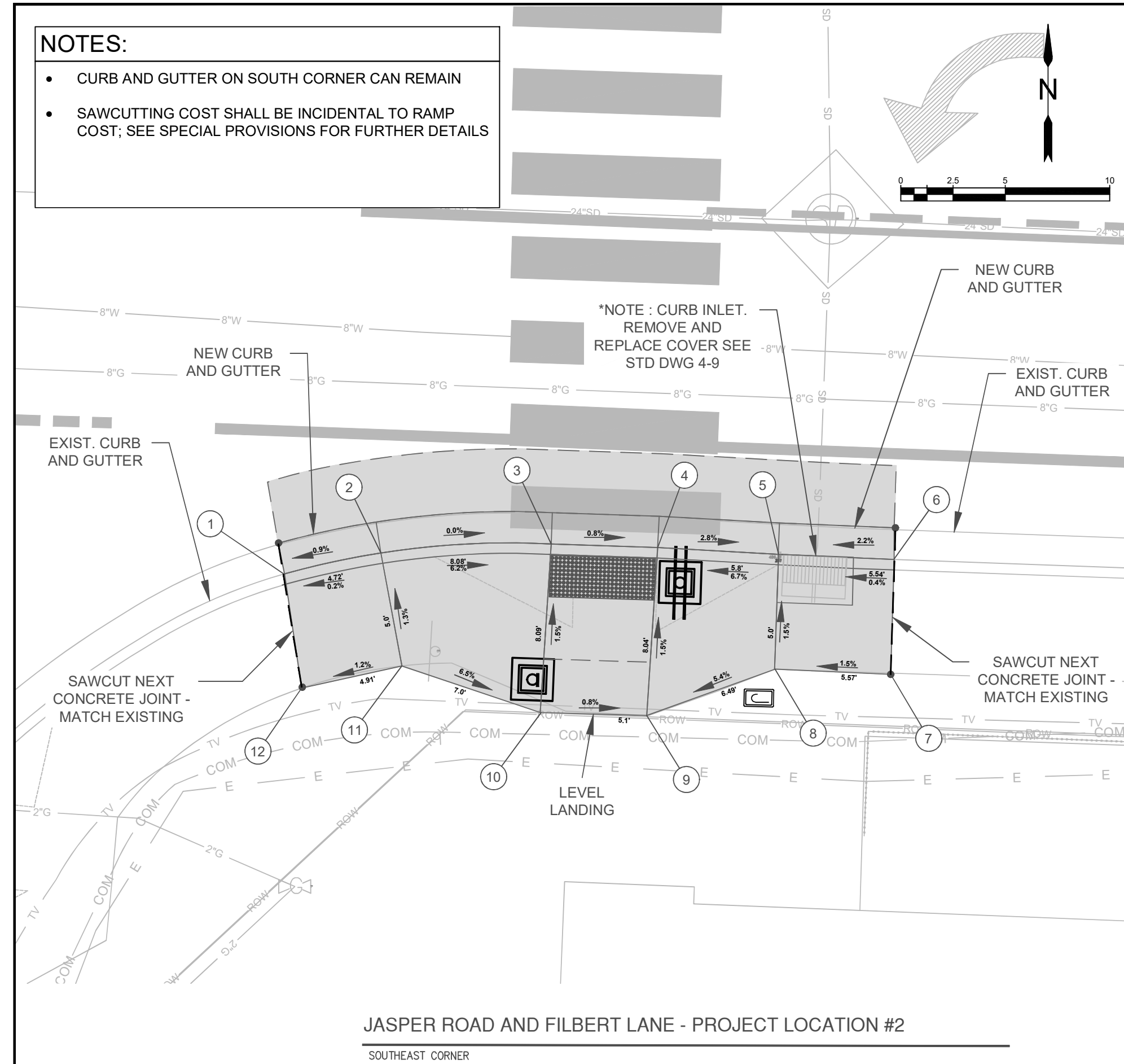
SCALE: 1" = 5'

DRAWN BY: J. GRASSETH
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CHECKED BY: J. PASCHALL

**SHEET
B06.2
OF
64**

NOTES:

- CURB AND GUTTER ON SOUTH CORNER CAN REMAIN
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POINT TABLE		
POINT #	CFFL ELEVATION (FT)	TFC ELEVATION (FT)
1	485.96	486.49
2	486.00	486.50
3	486.00	486.00
4	485.96	485.96
5	485.80	486.35
6	485.92	486.37
POINT #	ELEVATION (FT)	DESCRIPTION
7	486.51	BSW
8	486.43	BSW/ SIDE OF RAMP
9	486.08	BSW/ TOP OF LANDING
10	486.12	BSW/ TOP OF LANDING
11	486.57	BSW / SIDE OF RAMP
12	486.51	BSW

JASPER ROAD AND FILBERT LANE - PROJECT LOCATION #2
SOUTHEAST CORNER



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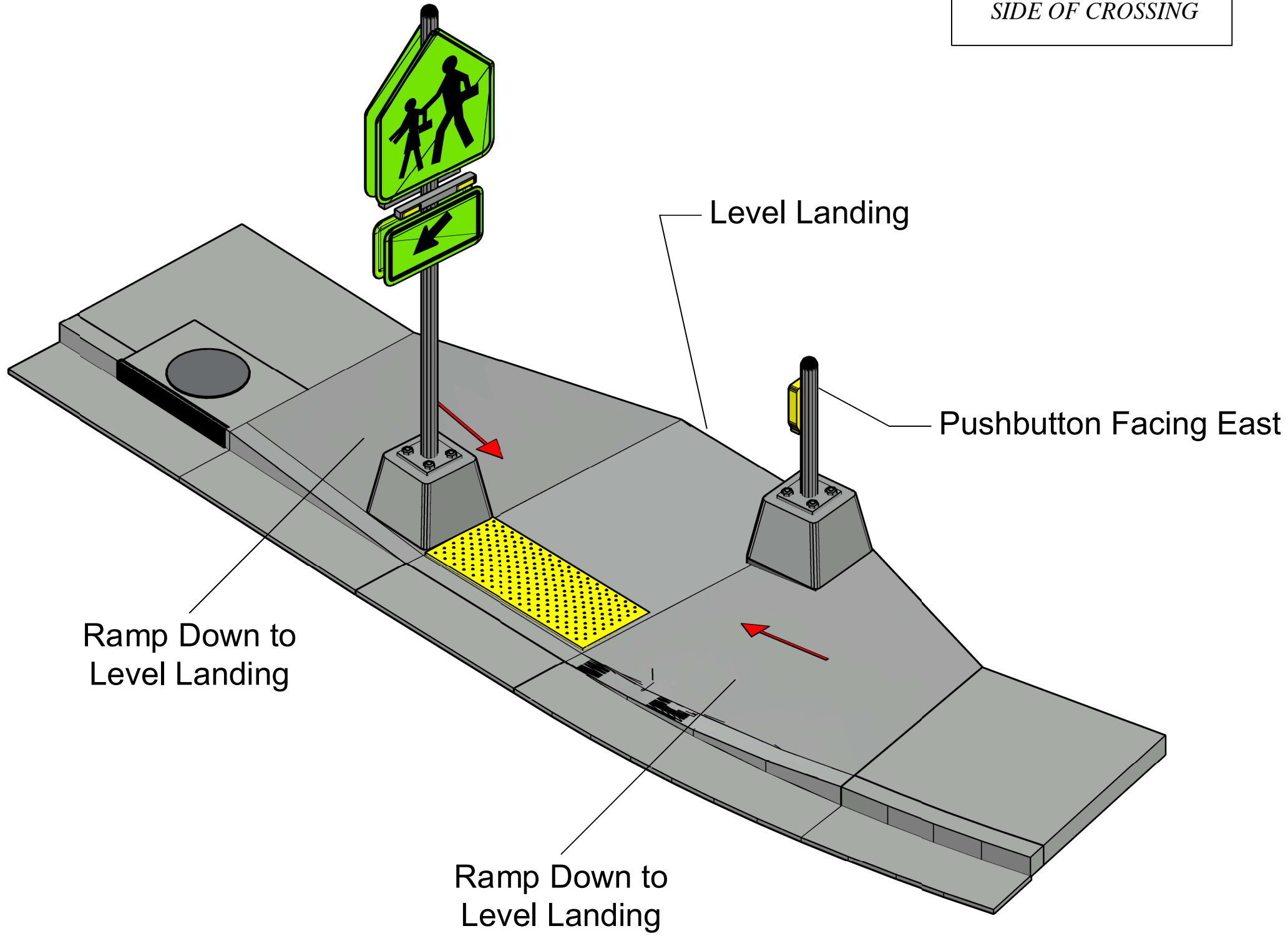
CURB RAMP DETAILS

SCALE: 1" = 5'

DRAWN BY: J. GRASSETH
DESIGNED BY: K. KRUEGER
CHECKED BY: J. PASCHALL

SHEET
B07.2
OF
64

*JASPER RD FILBERT LN
3- D RAMP ON SOUTH
SIDE OF CROSSING*



No.	Revision/Issue	Date



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**Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings**

City of Springfield

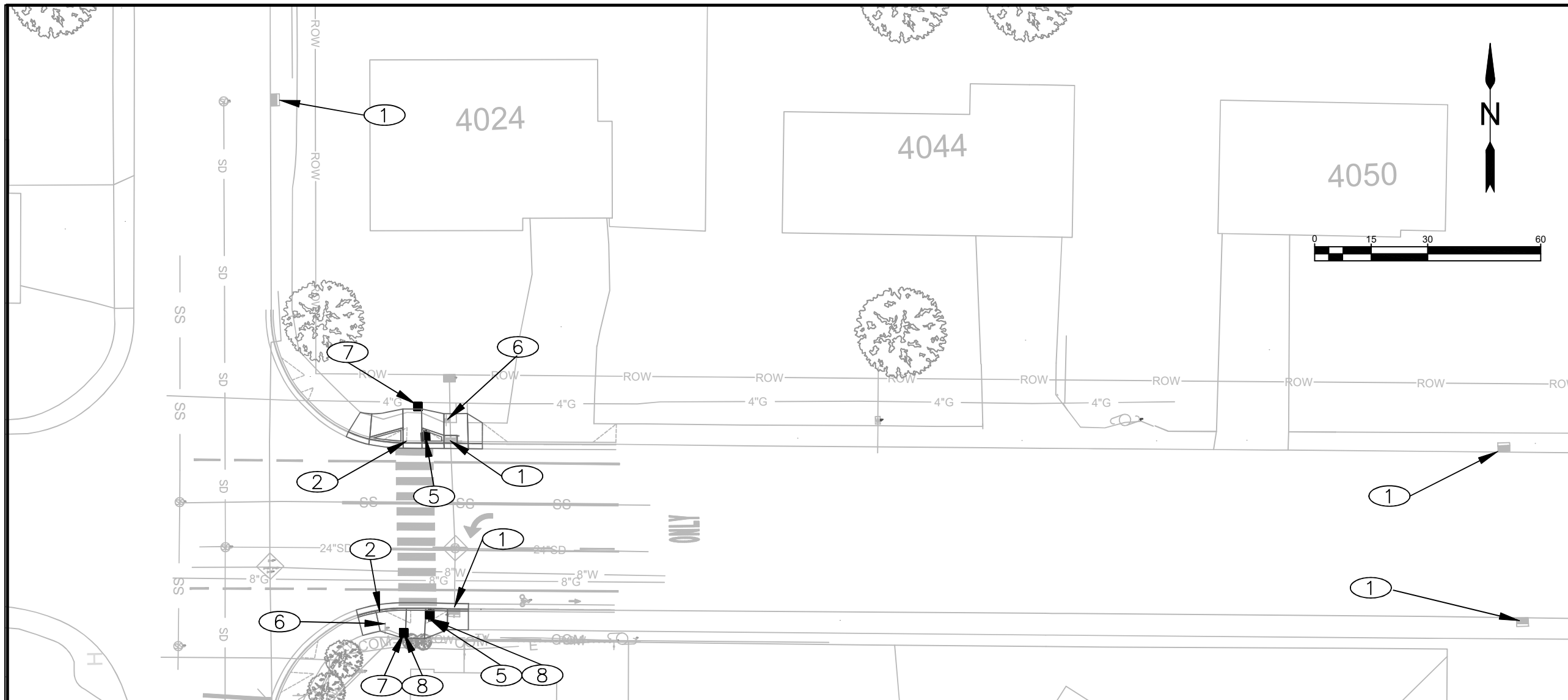
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EXP DATE: 06-30-2023

3-D RAMP MODEL

NO SCALE	SHEET B08.2
DRAWN BY: J. GRASSETH	OF 64
DESIGNED BY: K. KRUEGER	
CHECKED BY: J.PASCHALL	

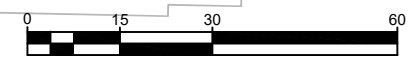


No.	Revision/Issue	Date



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CONSTRUCTION NOTES:

- ① INSTALL EROSION CONTROL DRAINAGE INLET PROTECTION TYPE 10- FOR DETAILS SEE SHEETS F01.2 & F02.2
- ② REMOVE AND REPLACE ADA CURB RAMP, CURB & GUTTER & WALK AS REQUIRED - FOR DETAILS SEE SHEETS B01.2-B04.2
- ⑤ INSTALL RRFB -FOR DETAILS SEE SHEETS MB01.2 & MB03.2
- ⑥ REMOVE SIGN POSTS, DELIVER TO OPERATIONS AND GET THREADED CAP TO PLUG SIGN POST HOLE- FOR DETAILS SEE SHEET LB01
- ⑦ INSTALL PUSHBUTTON, POLE AND CONTROLLER CABINET -FOR DETAILS SEE SHEETS MB02.2, MB04.2 & MB06.2
- ⑧ FINISH TOP OF RRFB AND PUSHBUTTON FOUNDATIONS 4" SHORT, FINISH WITH MONOLITHIC SIDEWALK. BOLTS NEED TO BE SET ABOVE SIDEWALK NOT UNDER TO PREVENT EXTENSION.



EXP DATE: 06-30-2023

GEN CONSTRUCTION DETAILS

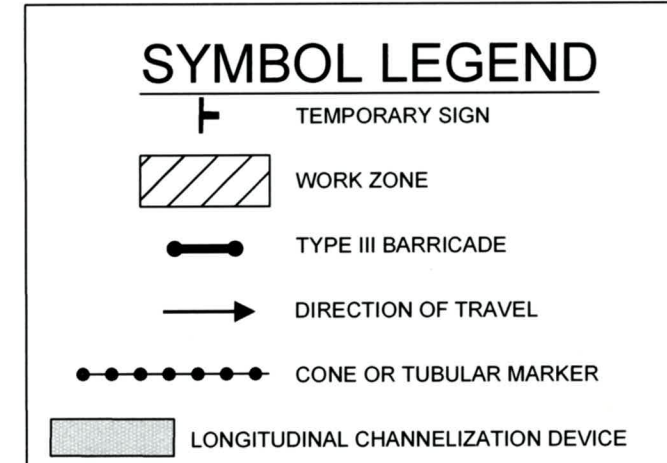
SCALE: 1" = 30'

DRAWN BY: J. GRASSETH
DESIGNED BY: K. KRUEGER
CHECKED BY: J. PASCHALL

**SHEET
C01.2
OF
64**

GENERAL NOTES:

1. PRIOR TO ANY WORK, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE AND APPROVED BY THE ENGINEER.
2. MAINTAIN 10 FT MINIMUM TRAVEL LANE WIDTH.
3. USE FLUORESCENT ORANGE SHEETING FOR THE BACKGROUND OF ALL TEMPORARY WARNING SIGNS.
4. WHEN NECESSARY, SIGN SPACING ADJUSTMENTS TO 30% OF THE "A" DIMENSION FOR ALL SPEEDS.
5. SIGNING AND OTHER TCD SHOWN TO BE INSTALLED IN CONJUNCTION WITH THE WORK AREAS, SHALL MOVE WITH THE WORK AREAS.
6. TO DETERMINE TAPER LENGTH "L" AND "BUFFER" LENGTH SHOWN ON EACH TRAFFIC CONTROL PLAN, USE "THE MINIMUM LENGTHS TABLE".
7. CHANNELIZATION DEVICES MAY BE PLACED AT 10' SPACING AROUND THE WORK AREA FOR EMPHASIS IF THE AREA IS EXPOSED TO TRAFFIC BOTH SIDES SIMULTANEOUSLY.
8. DO NOT LOCATE SIGNS IN LOCATIONS DESIGNATED FOR BICYCLE OR PEDESTRIAN TRAFFIC.
9. INSTALL A "BICYCLES ON ROADWAY" (CW11-1) SIGN IN ADVANCE OF THE CLOSURE WHEN A BIKE LANE IS CLOSED, OR WHEN THE SHOULDER IS CLOSED AND BIKES ARE EXPECTED.



No.	Revision/Issue	Date



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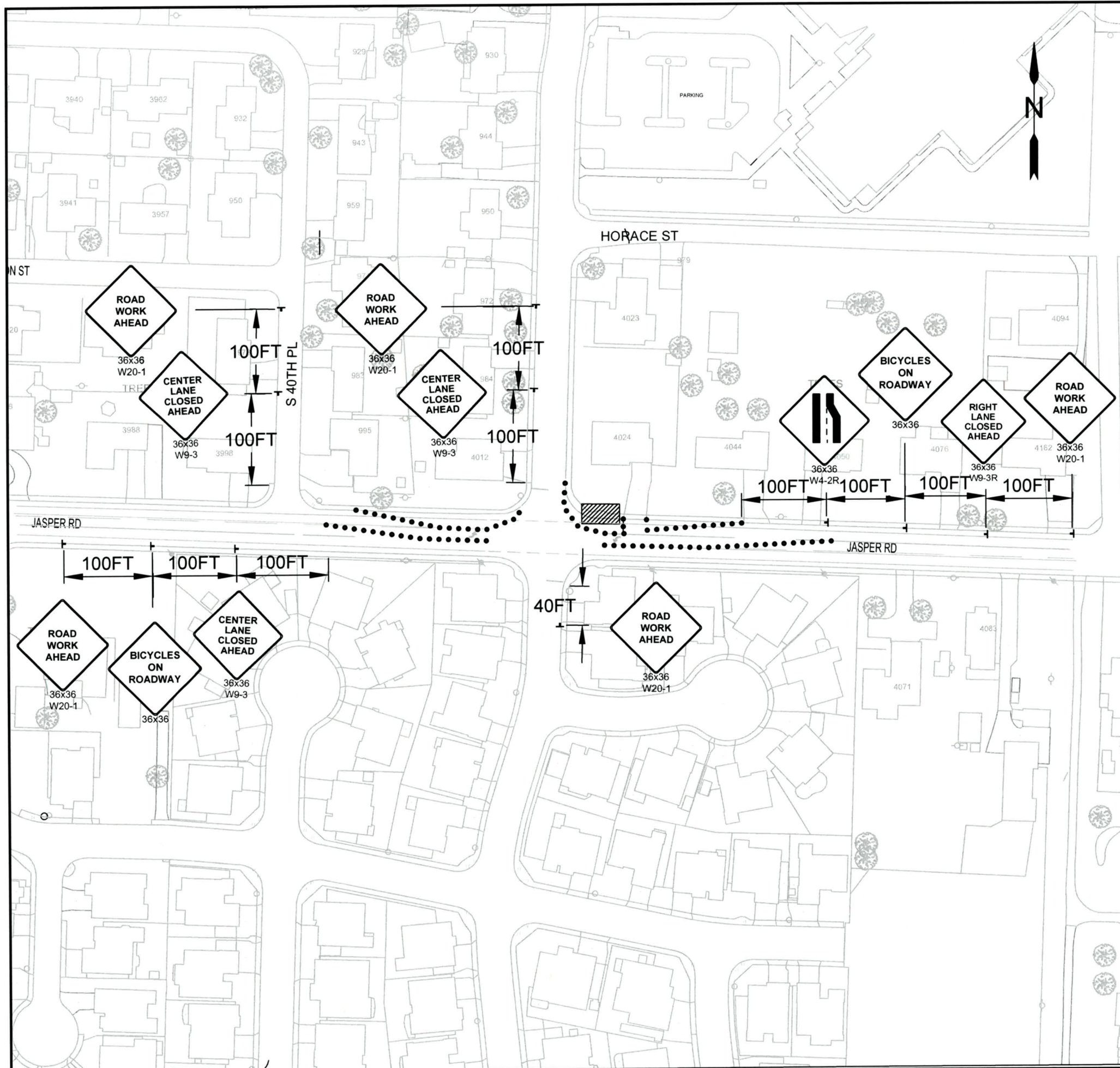
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EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAIL

NO SCALE	SHEET E01.2 OF 64
DRAWN BY: J. GRASSETH	
DESIGNED BY: J. GRASSETH	
CHECKED BY: B. BARNETT	



Posted speed : 35mph

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
FREEWAYS					
55	1000	1000	1000	1000	250
60	1000	1000	1000	1000	285
65	1000	1000	1000	1000	325
70	1000	1000	1000	1000	365

NOTES:

- Sign spacing shortened to 100FT due to potential conflicts.

No.	Revision/Issue	Date



Know what's below.
Call before you dig.

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Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield



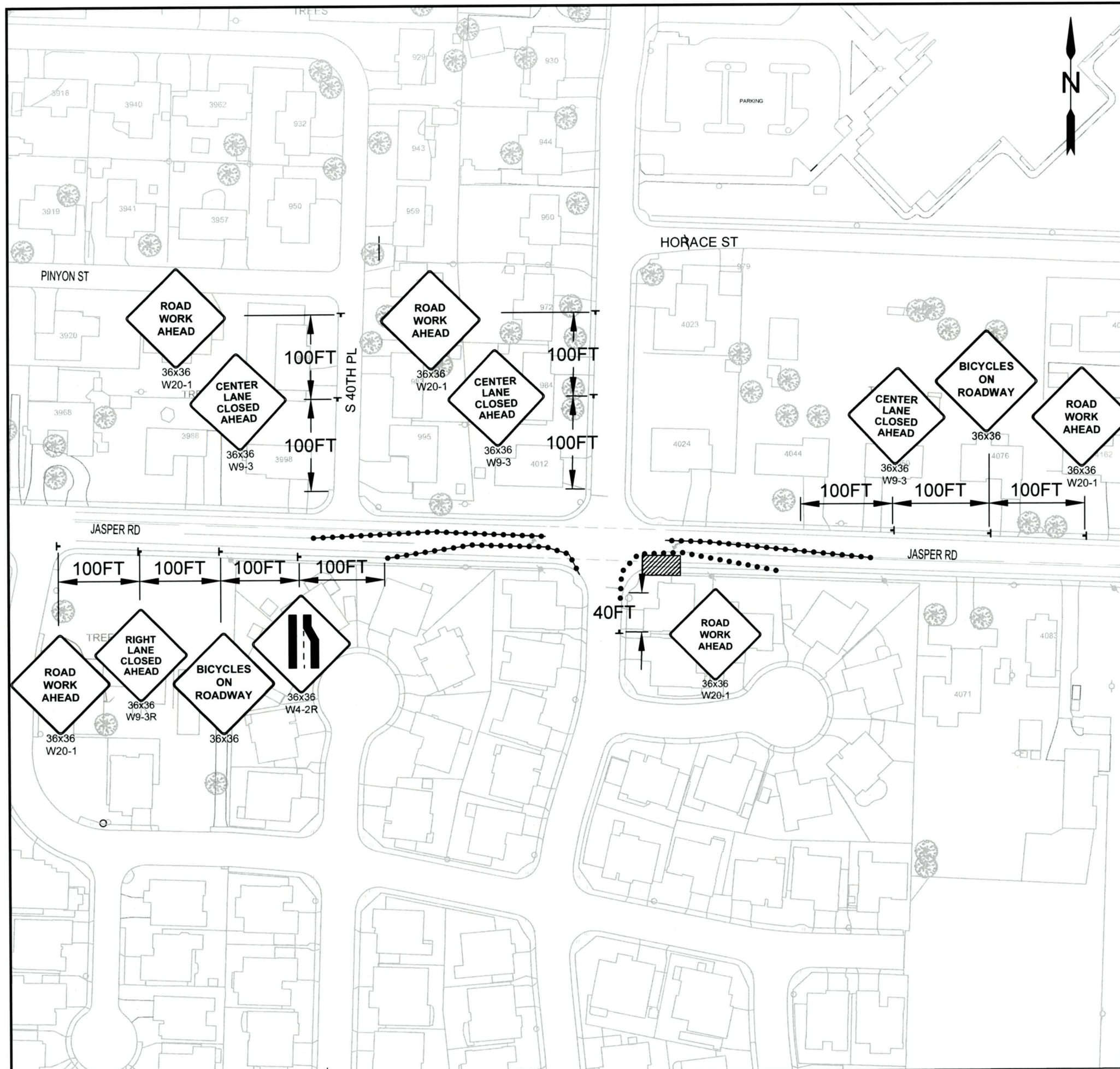
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PHONE (541) 726-3753 FAX (541) 726-3686
INTERNET www.springfield-or.gov



EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAIL

NO SCALE	SHEET E02.2 OF 64
DRAWN BY: J. GRASSETH	
DESIGNED BY: J. GRASSETH	
CHECKED BY: B. BARNETT	



Posted speed : 35mph

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
FREEWAYS					
55	1000	1000	1000	1000	250
60	1000	1000	1000	1000	285
65	1000	1000	1000	1000	325
70	1000	1000	1000	1000	365

NOTES:

- Sign spacing shortened to 100FT due to potential conflicts.

No.	Revision/Issue	Date



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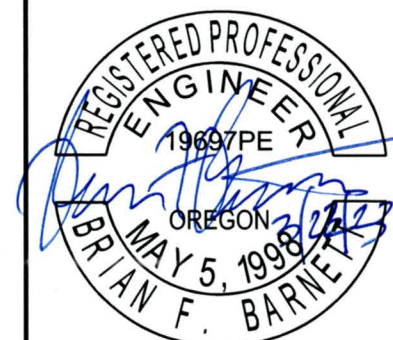
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Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield



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EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAIL

NO SCALE
DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET E03.2
OF 64

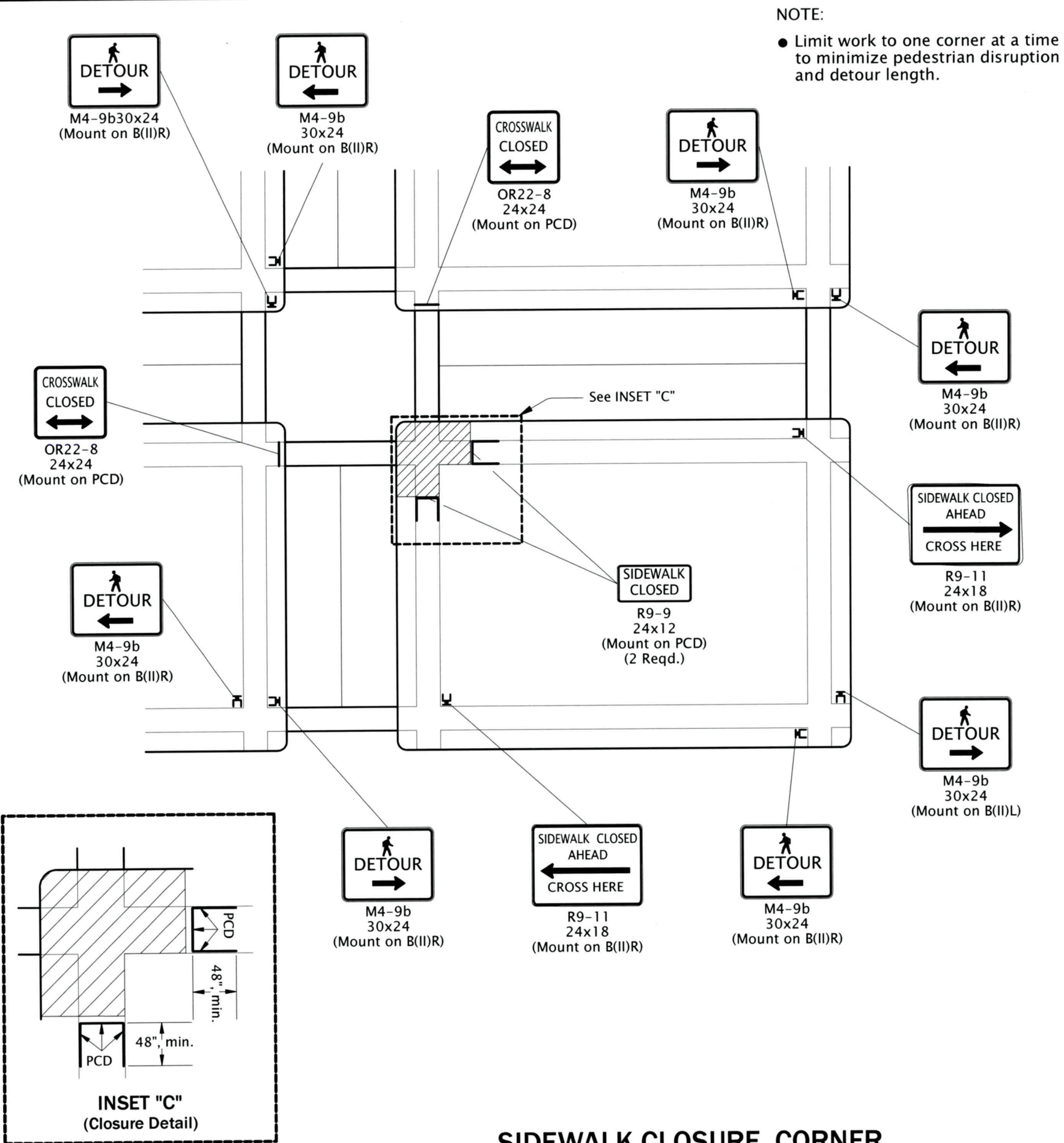


DIAGRAM 5 - SIDEWALK CLOSURE CORNER
(REF, SEE ODOT STD DWG TM844)

GENERAL NOTES FOR ALL DETAILS:

When closing or relocating crosswalks or other pedestrian facilities provide ADA compliant facilities. Include accessibility features consistent with existing pedestrian facilities by providing adequate slope transitions and surfacing.

Provide non-slip, 60 inch minimum wide surface through entire pedestrian route. If not possible, provide 48" min. width with 60" x 60" passing spaces every 200 feet along the route.

Only TCD for pedestrians are shown. Other devices may be necessary to control vehicular traffic.

Stage work, as necessary, to provide a temporary pedestrian access route at all times. For roadways with no available detours, maintain one open sidewalk at all times.

Minimize pedestrian out-of-direction travel.

To be accompanied by Dwg. Nos. TM820 & TM821.

	UNDER PEDESTRIAN TRAFFIC
	UNDER CONSTRUCTION
	PEDESTRIAN CHANNELIZING DEVICE (PCD)

No.	Revision/Issue	Date



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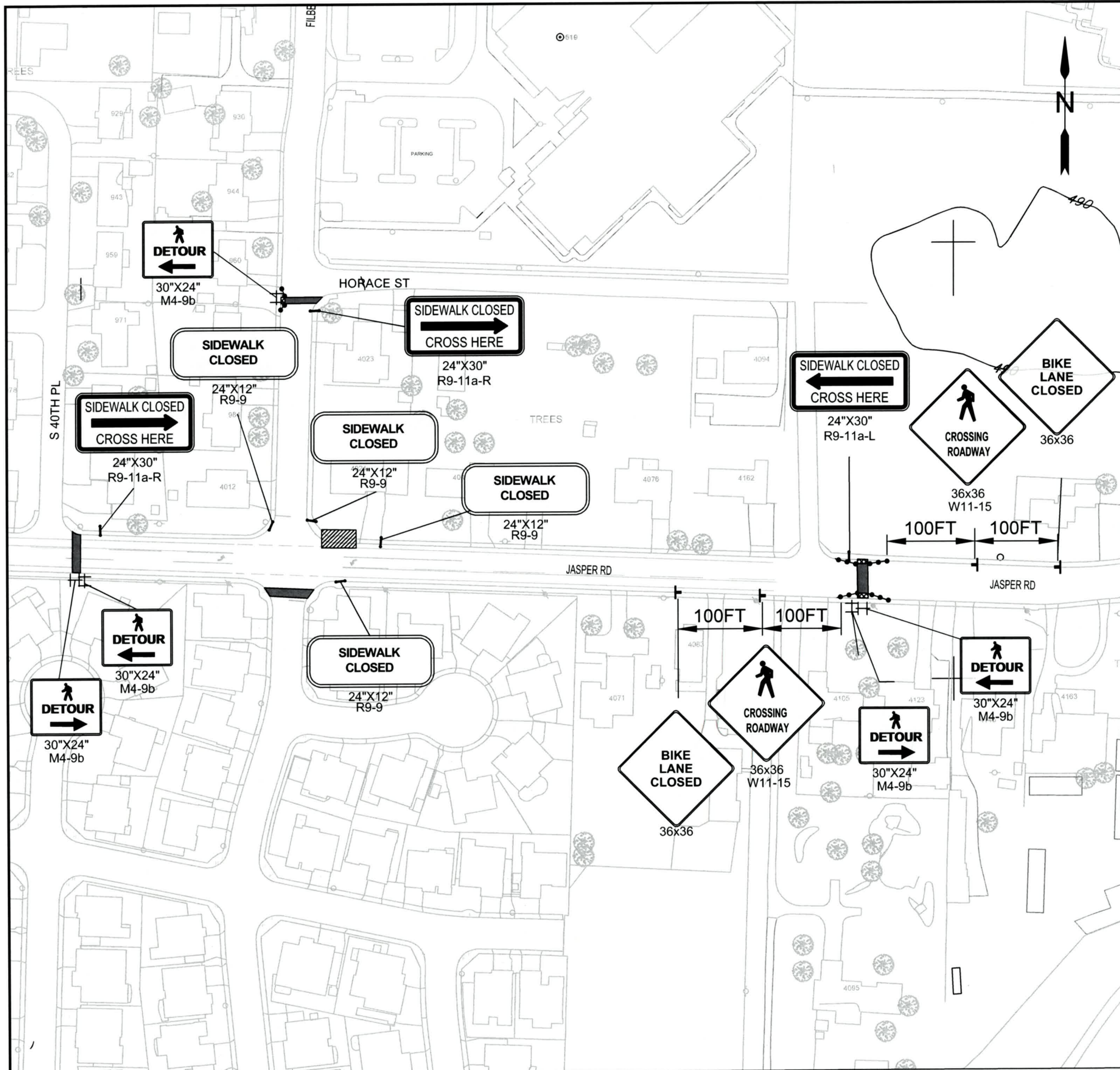
REGISTERED PROFESSIONAL ENGINEER
1969 TRE
BRIAN F. BARNETT
MAY 5, 1998
OREGON

EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAIL

NO SCALE	SHEET E04.2 OF 64
DRAWN BY: J. GRASSETH	CHECKED BY: B. BARNETT
DESIGNED BY: J. GRASSETH	

SIDEWALK CLOSURE, CORNER



Posted speed : 35mph

*North Temporary
Pedestrian Access Route*

NOTES:

- Taper length calculated at 25 ft. estimated 15mph speeds coming in and out of roundabout.

No.	Revision/Issue	Date



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**Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings**

City of Springfield



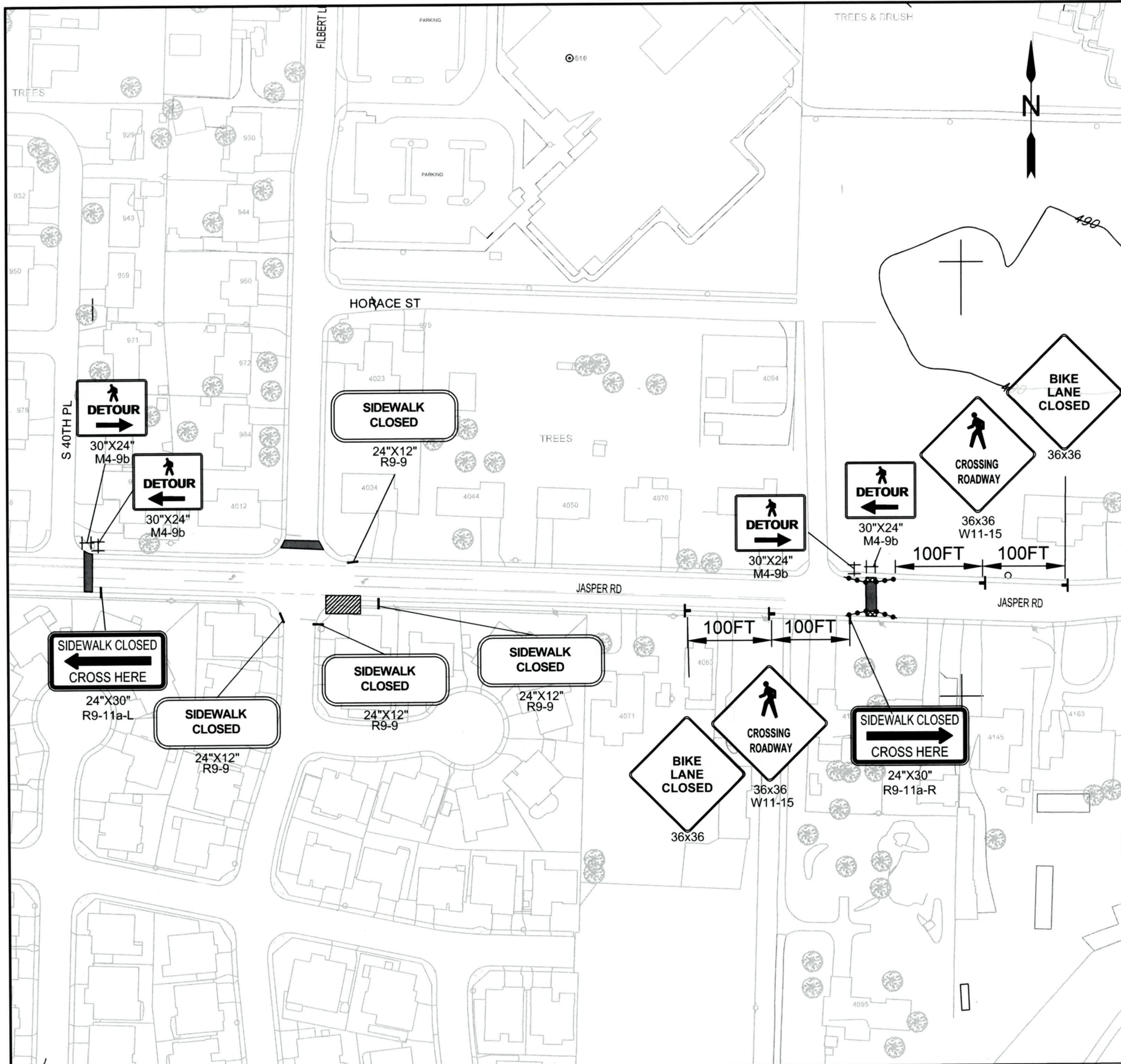
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EXP DATE: 12-31-2023

TEMP. PED. ACCESS ROUTE DETAIL

NO SCALE	SHEET E05.2 OF 64
DRAWN BY: J. GRASSETH	
DESIGNED BY: J. GRASSETH	
CHECKED BY: B. BARNETT	



Posted speed : 35mph

South Temporary Pedestrian Access Route

NOTES:

- Taper length calculated at 20 ft. estimated 15mph speeds coming in and out of roundabout.

No.	Revision/Issue	Date



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EXP DATE: 12-31-2023

TEMP. PED. ACCESS ROUTE DETAIL

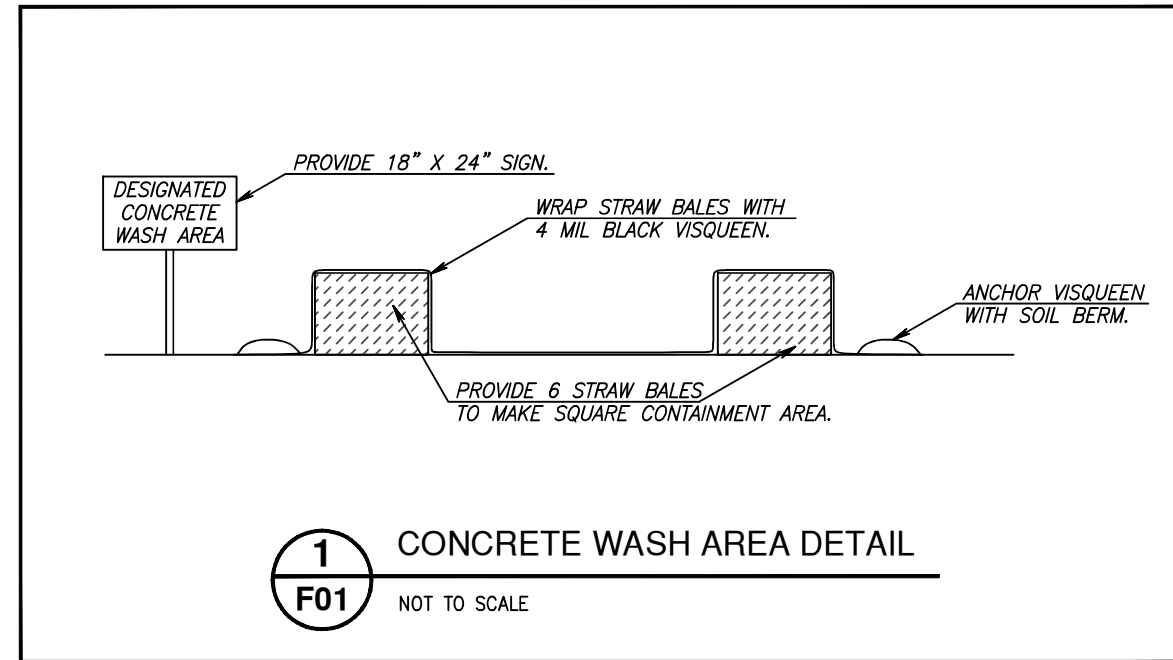
NO SCALE	SHEET E06.2 OF 64
DRAWN BY: J. GRASSETH	CHECKED BY: B. BARNETT
DESIGNED BY: J. GRASSETH	

NOTES:

1. PLACE INLET/CATCH BASIN PROTECTION AT EXISTING FIXTURES (SEE DETAILS ON SHEET F02.)

GENERAL NOTES:

1. CONCRETE WASHOUTS ARE NOT PROVIDED ON THIS PROJECT
2. SAW CUTTING SLURRY IS TO BE VACUMED
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 CONCRETE WASH AREA DETAIL
F01 NOT TO SCALE

EROSION CONTROL STANDARD NOTES:

- 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.).
- 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.
- An inspection of the erosion control measures by City LDAP staff is required prior to any ground disturbance on the site.
- 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.
- 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.
- 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.
- 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.
- 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).
- 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.
- 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.).
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- 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.
- 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.
- Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of two to three inches.
- 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



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Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield

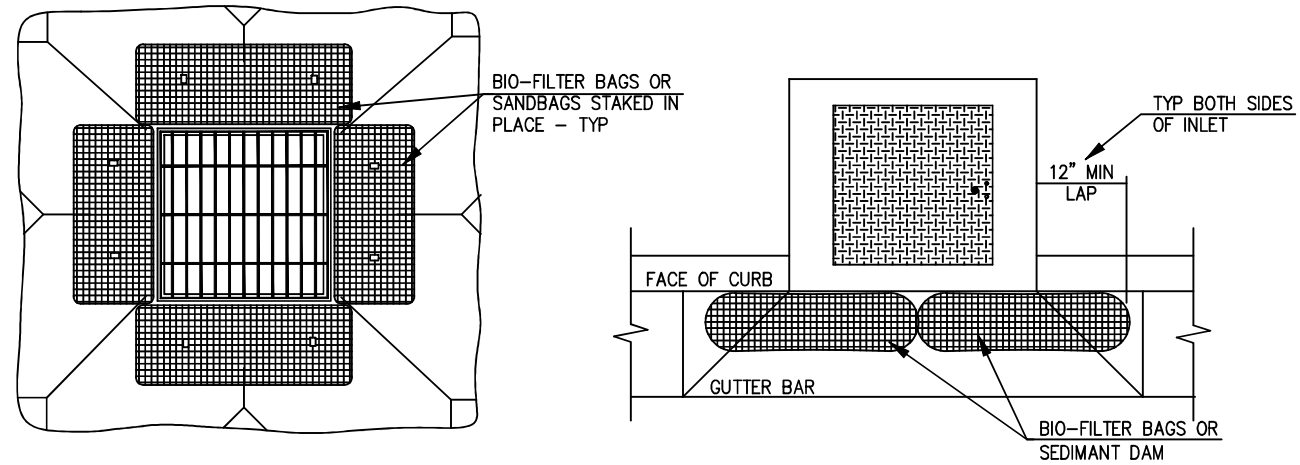
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EXP DATE: 06-30-2023

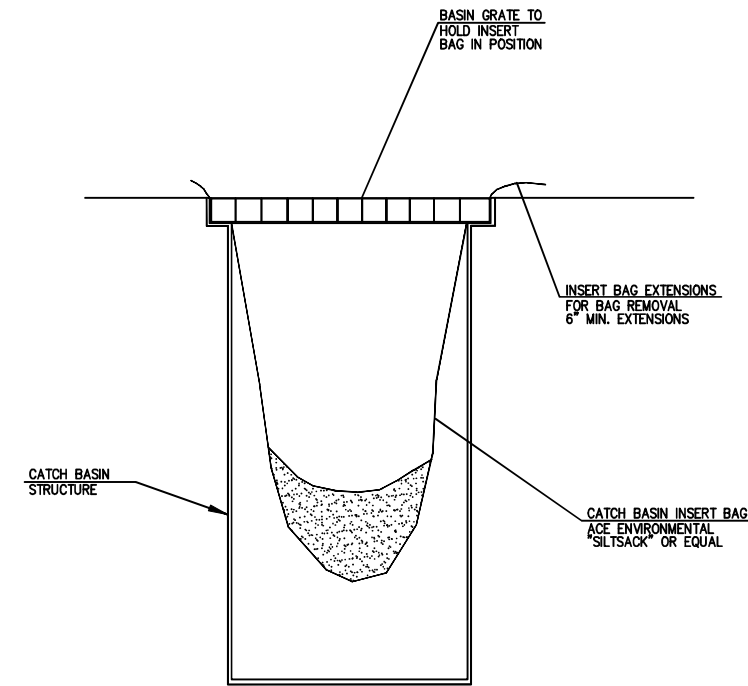
EROSION AND SEDIMENT CONTROL DETAILS

NO SCALE **SHEET F01.2 OF 64**
DRAWN BY: J. GRASSETH
DESIGNED BY: K. KRUEGER
CHECKED BY: J. PASCHALL



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

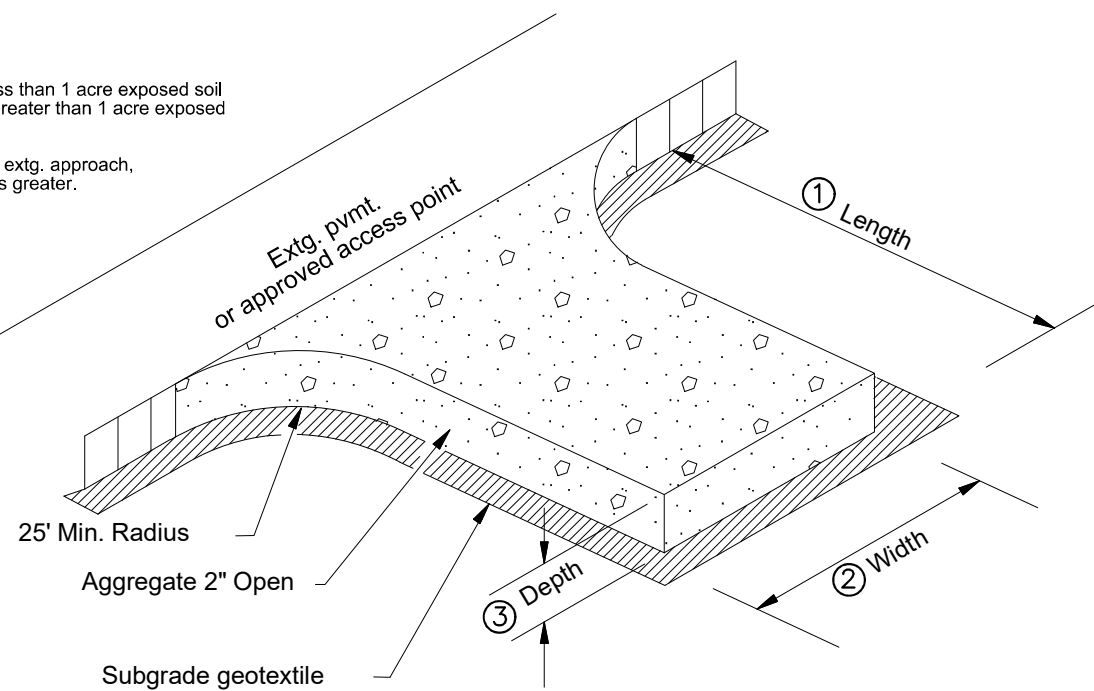


2
F02 CATCH BASIN INSERT BAG
 NOT TO SCALE



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

No.	Revision/Issue	Date



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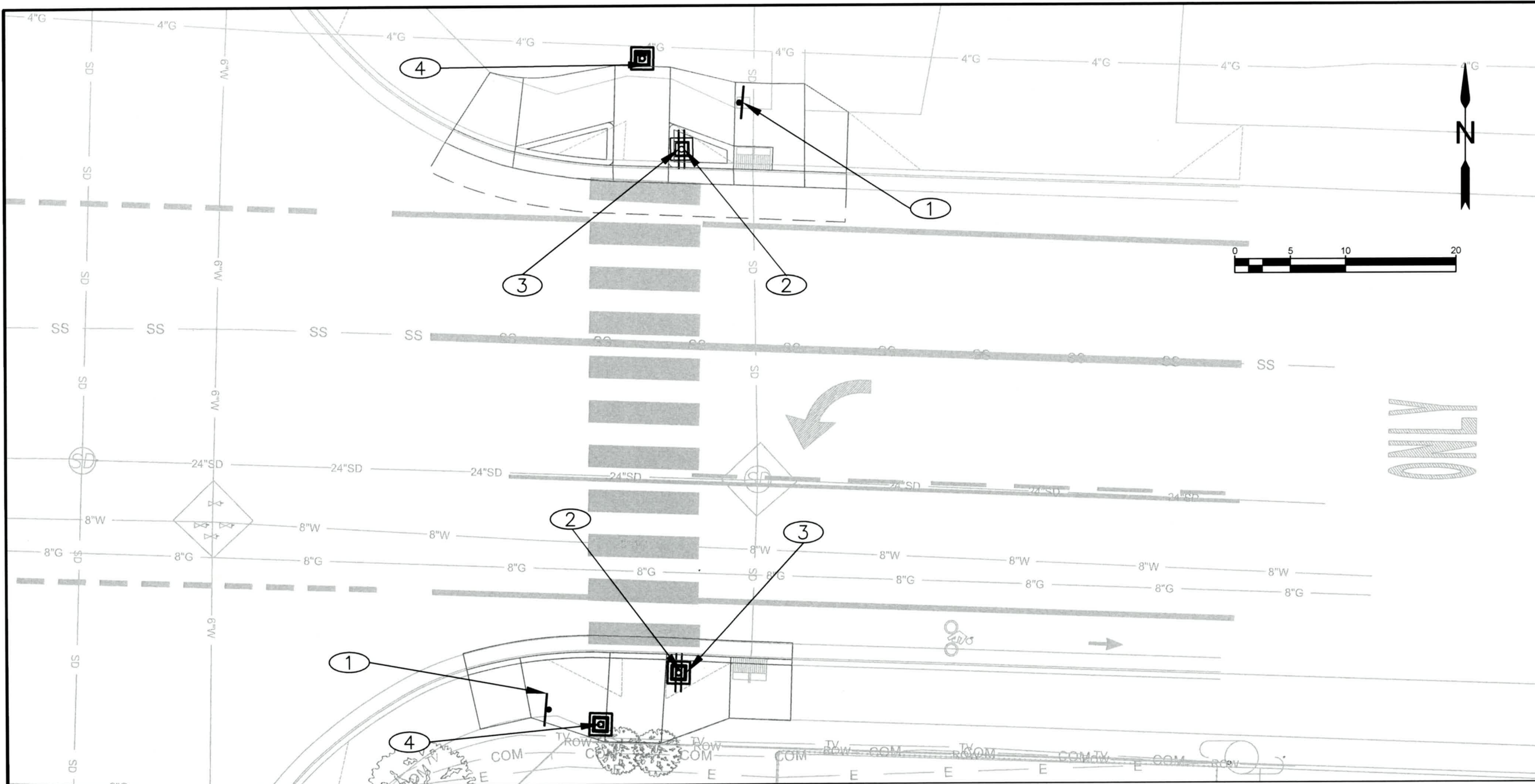
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 INTERNET: www.springfield-or.gov



EXP DATE: 06-30-2023

EROSION AND SEDIMENT CONTROL DETAILS

NO SCALE **SHEET F02.2 OF 64**
 DRAWN BY: J. GRASSETH
 DESIGNED BY: K. KRUEGER
 CHECKED BY: J.PASCHALL



INSTALLATION NOTES:

- ① REMOVE SIGN AND SIGN SUPPORT
- ② PLACE NEW SIGNS (36"X36" S1-1) (30"X18" W16-7PL) ON TWO SIDED RRFB POLE ASSEMBLY. USE 3M DIA VIP (3980) FOR THE FLUORESCENT YELLOW-GREEN BACKING AND 3M BLACK (1178) EC FILM FOR THE LEGEND OR SYMBOL AND BORDER.
- ③ PLACE NEW SIGNS (36"X36" S1-1) (30"X18" W16-7PR) ON TWO SIDED RRFB POLE ASSEMBLY. USE 3M DIA VIP (3980) FOR THE FLUORESCENT YELLOW-GREEN BACKING AND 3M BLACK (1178) EC FILM FOR THE LEGEND OR SYMBOL AND BORDER.
- ④ PLACE NEW SIGNS (9"X12" R10-25R) (9"X12" R10-25L) ON TWO SIDED PUSH BUTTON ASSEMBLY. USE 3M BLACK (1178) EC FILM FOR THE LEGEND OR SYMBOL AND BORDER.



S1-1
School



W16-7PL



W16-7PR



R10-25R or L



EXP DATE: 12-31-2023

SIGNING PLAN

SCALE: 1" = 10'

DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET L01.2
OF
64



Know what's below.
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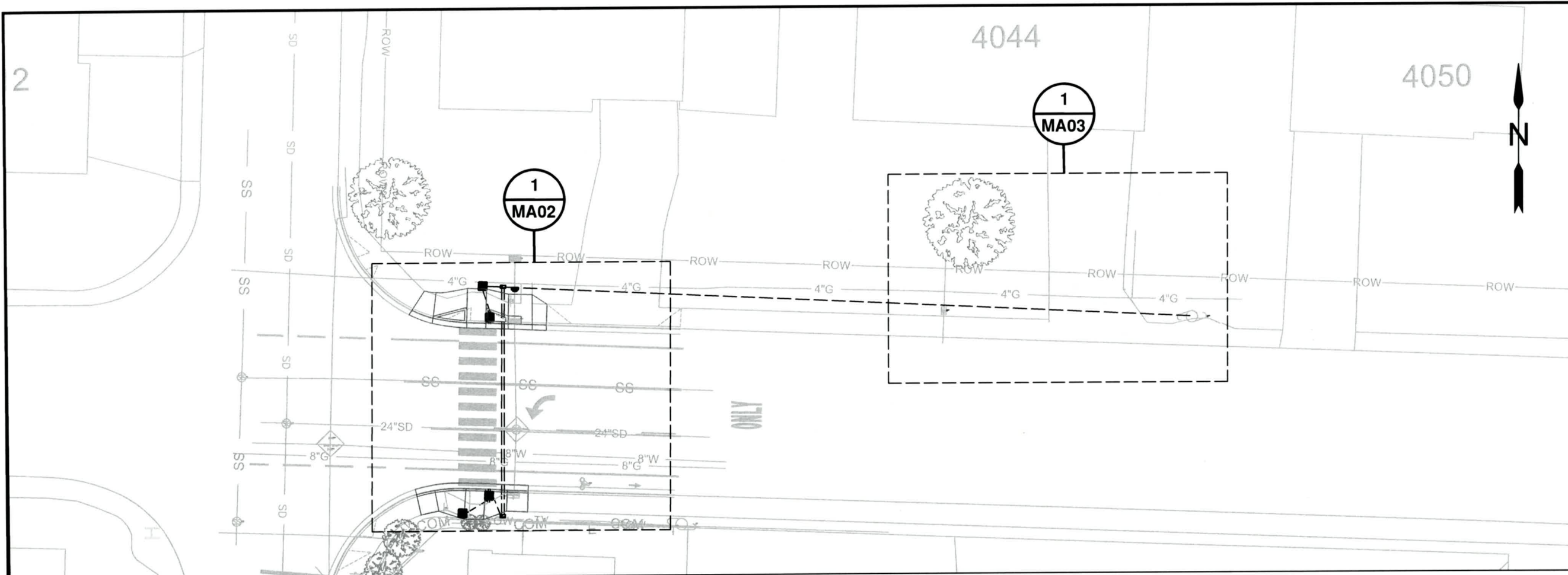
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ELECTRICAL PLAN LEGEND

-  INSTALL PEDESTRIAN SIGNAL PEDESTAL ON FRANGIBLE BASE WITH RECTANGULAR RAPID FLASHING BEACON (RRFB), AND APS PEDESTRIAN PUSH BUTTON AND SIGN. (SEE RRFB DETAIL SHEET).
-  INSTALL RRFB NETWORK SYSTEM CONTROLLER (NSC) ELTEC – MODEL SL55. (SEE SPECIAL PROVISIONS).
-  INSTALL (N=NUMBER) NO. (G=AWG WIRE SIZE) TYPE THWN CONDUCTORS WITH GREEN INSULATED GROUND.
-  INSTALL (X=NUMBER OF CABLES) WITH (N=NUMBER) AWG NO. (G=AWG WIRE SIZE) TYPE 18AWG BELDON 27601A.
-  INSTALL (S=SIZE) INCH SCHEDULE 40 PVC ELECTRICAL CONDUIT.
-  INSTALL POLY PULL LINE (225 FT./LB. MIN. STRENGTH).
-  INSTALL 11"x 18"x 12" PRECAST POLYMER CONCRETE JUNCTION BOX
-  INSTALL CONDUIT BY HORIZONTAL DIRECTIONAL DRILLING (OPEN TRENCH NOT ALLOWED).

-  INSTALL 2 INCH CONDUIT SPARE (CAP ENDS).
-  INSTALL 120 VOLT SERVICE METER
-  INSTALL 6'x8'12' SERVICE CABINET, 120 VOLT 100 AMP PANEL WITH MINIMUM 4 SINGLE-POLE CIRCUITS FOR RRFB.
-  INSTALL (X=NUMBER OF CABLES) CONTROL CABLES WITH (N=NUMBER) AWG (G=AWG WIRE SIZE) CONTROL CABLE

CONSTRUCTION NOTES:

- 5) INSTALL J-BOXES. SEE ODOT STANDARD DETAIL TM472 FOR J-BOX DETAILS.
- 9) INSTALL AND/OR MAINTAIN A NO. 16 AWG THWN STRANDED COPPER WIRE WITH AN ORANGE BASE AND BLUE STRIPE IN ALL CONDUITS AS A LOCATE WIRE.

RRFB SCHOOL CROSSING ON JASPER ROAD AT FILBERT LANE



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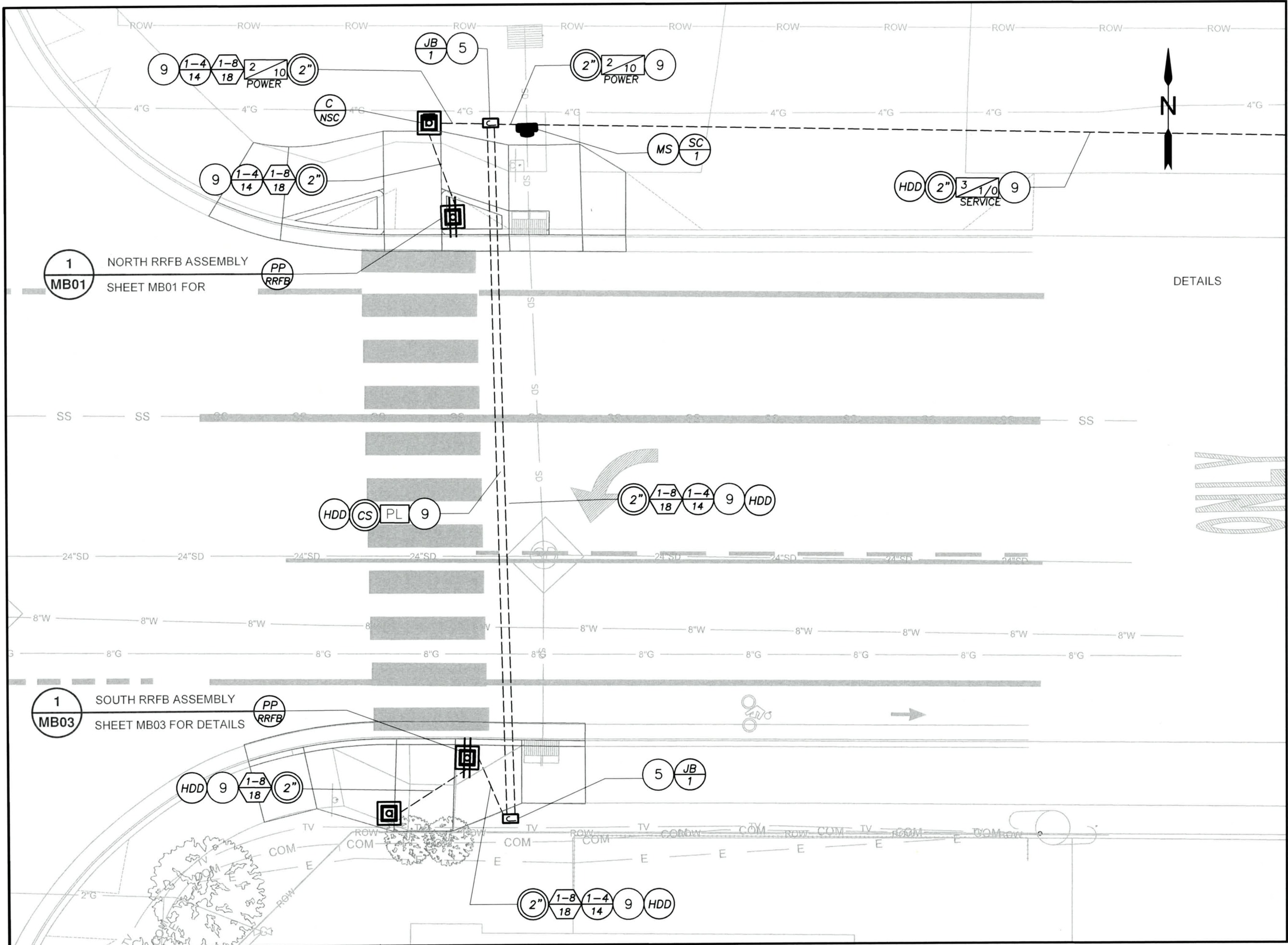
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EXP DATE: 12-31-2023

ELECTRICAL PLAN

NO SCALE	SHEET MA01.2
DRAWN BY: J. GRASSETH	OF 64
DESIGNED BY: J. GRASSETH	
CHECKED BY: B. BARNETT	



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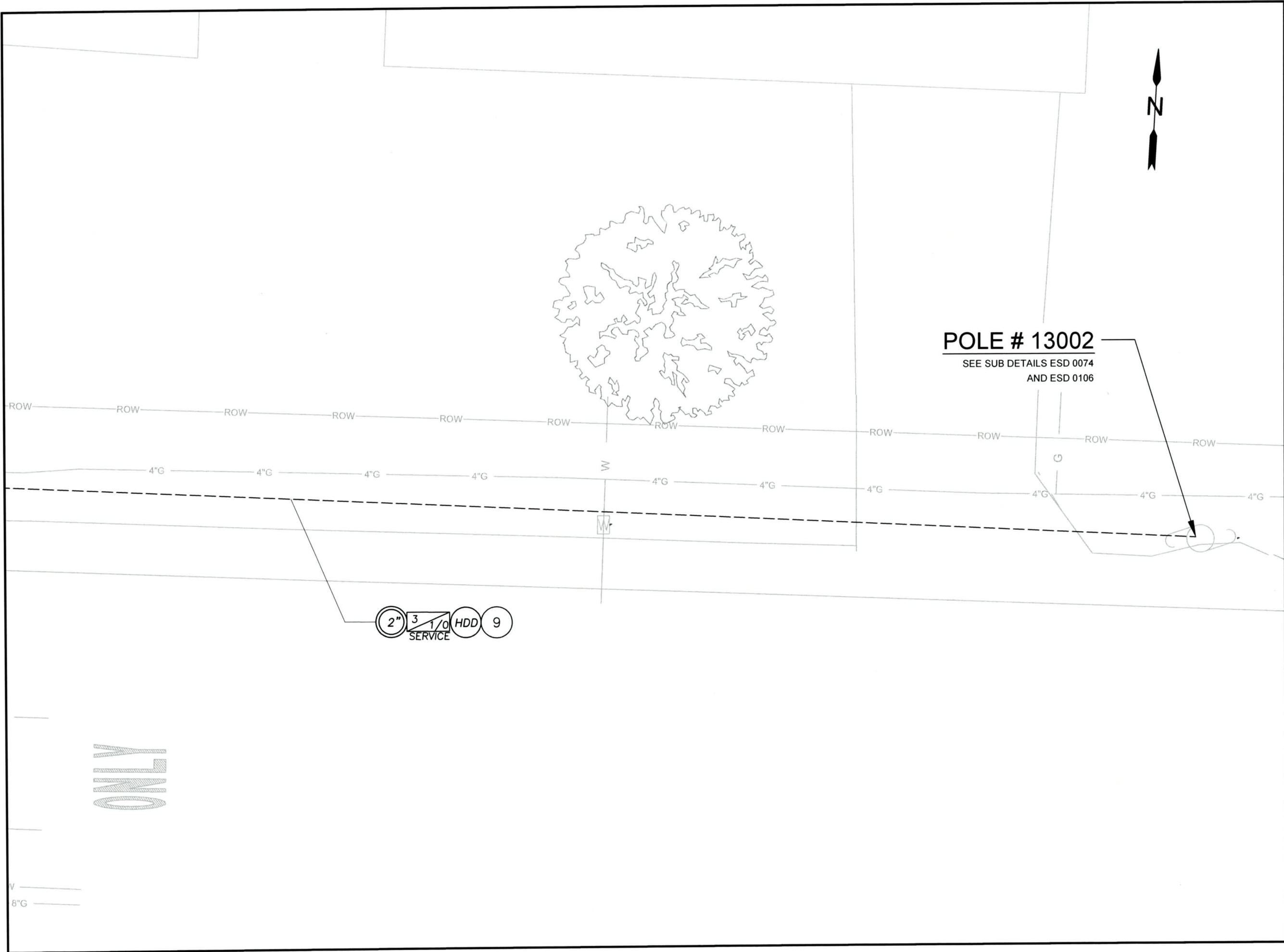
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EXP DATE: 12-31-2023

ELECTRICAL PLAN

NO SCALE SHEET MA02.2 OF 64
DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT



POLE # 13002
 SEE SUB DETAILS ESD 0074
 AND ESD 0106



ONLY



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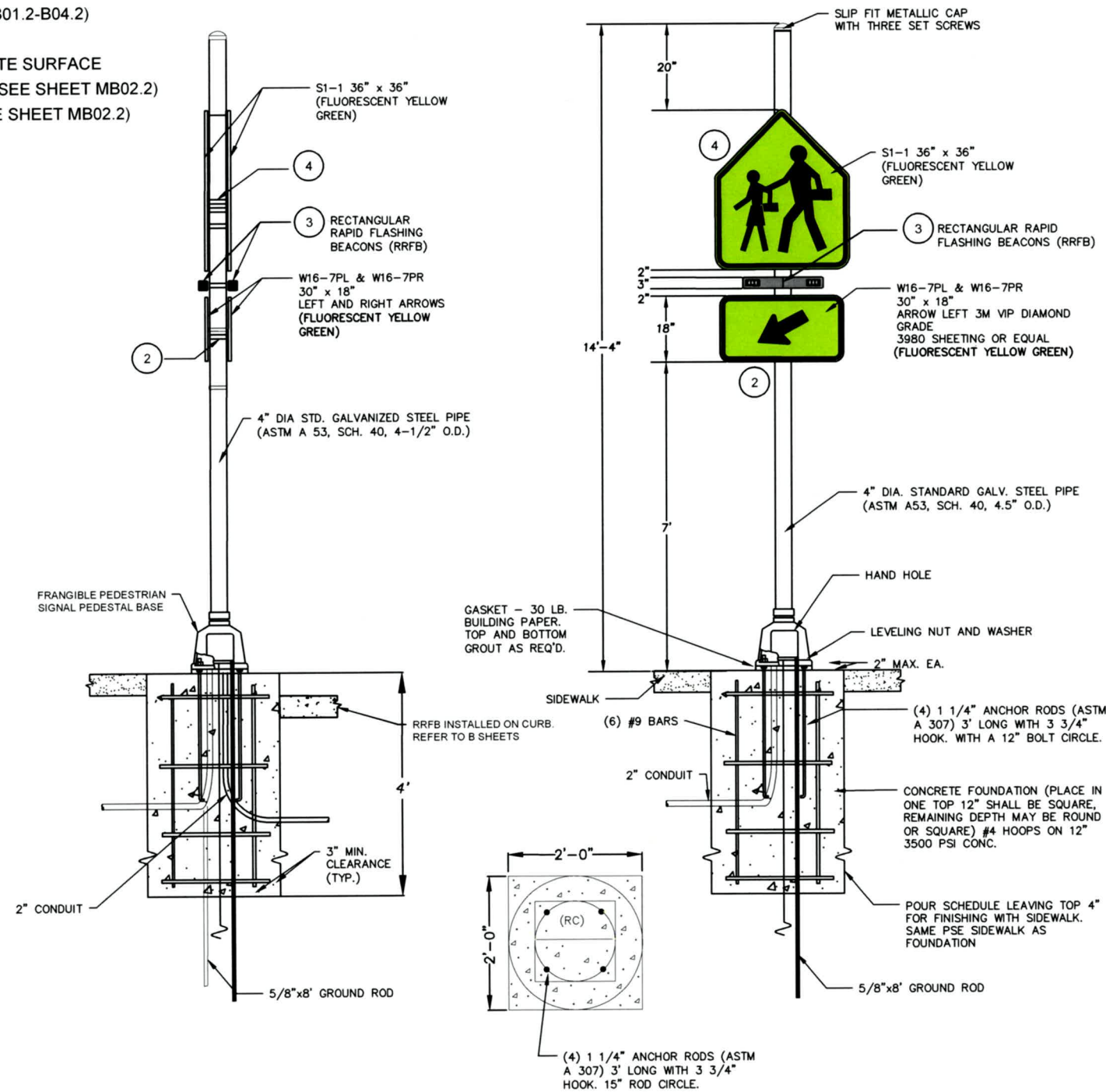
NO SCALE	SHEET MA03.2 OF 64
DRAWN BY: J. GRASSETH	
DESIGNED BY: J. GRASSETH	
CHECKED BY: B. BARNETT	

NOTES:

1. PUSH BUTTON ASSEMBLY TO BE POLARA MODEL INX OR EQUIVALENT. PUSH BUTTON ASSEMBLY TO INCLUDE AUDIBLE INDICATOR TONE AND CUSTOMIZABLE MESSAGE "WARNING LIGHTS ARE ON TO CROSS JASPER ROAD. TRAFFIC MAY NOT STOP." ORIENTATION OF BUTTON TO BE PARALLEL TO CROSSWALK PER MUTCD STANDARDS. PUSH BUTTON TO INCLUDE TACTILE ARROW ORIENTED TOWARD CROSSWALK AND R10-25 INSTRUCTION SIGN. (SEE SHEET MB02.2)
2. SECONDARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER ODOT STANDARD DRAWING TM677
3. TWO-SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB) BAR ASSEMBLY CLEAR LENSES WITH AMBER LED'S. TO BE ELTEC MODEL OR EQUIVALENT.
4. PRIMARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER OREGON STANDARD DRAWING TM677.
5. POLE MOUNTED CONTROLLER TO BE ELTEC MODEL OR EQUIVALENT. WIRE ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. (SEE SHEET MB02.2)

SITE SPECIFIC NOTES

6. NORTH RRFB INSTALLED ON FULL HEIGHT CURB (SEE SHEETS B01.2-B04.2)
7. RRFB ASSEMBLY DOUBLE SIDED
8. RRFB FOUNDATION 2'x2', AND SHOULD BE LEVEL WITH CONCRETE SURFACE
9. PUSH BUTTON ASSEMBLY SEPARATE FROM RRFB ASSEMBLY (SEE SHEET MB02.2)
10. CONTROLLER CABINET LOCATED ON PUSH BUTTON POLE (SEE SHEET MB02.2)



RRFB AT NORTH SIDE OF JASPER RD & FILBERT LN

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 P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield



PUBLIC WORKS / ENGINEERING
205 W. STREET, SPRINGFIELD, OR 97777
PHONE: (541) 726-3755 FAX: (541) 726-3689
INTERNET: www.springfield-or.gov



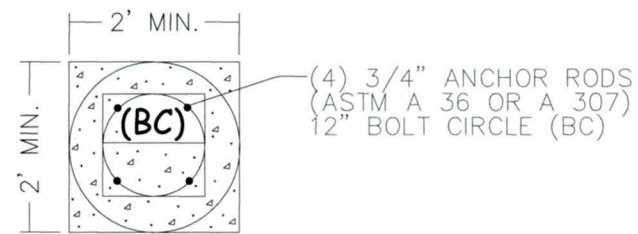
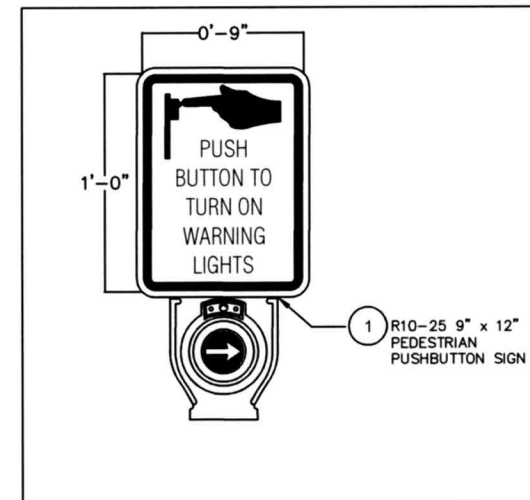
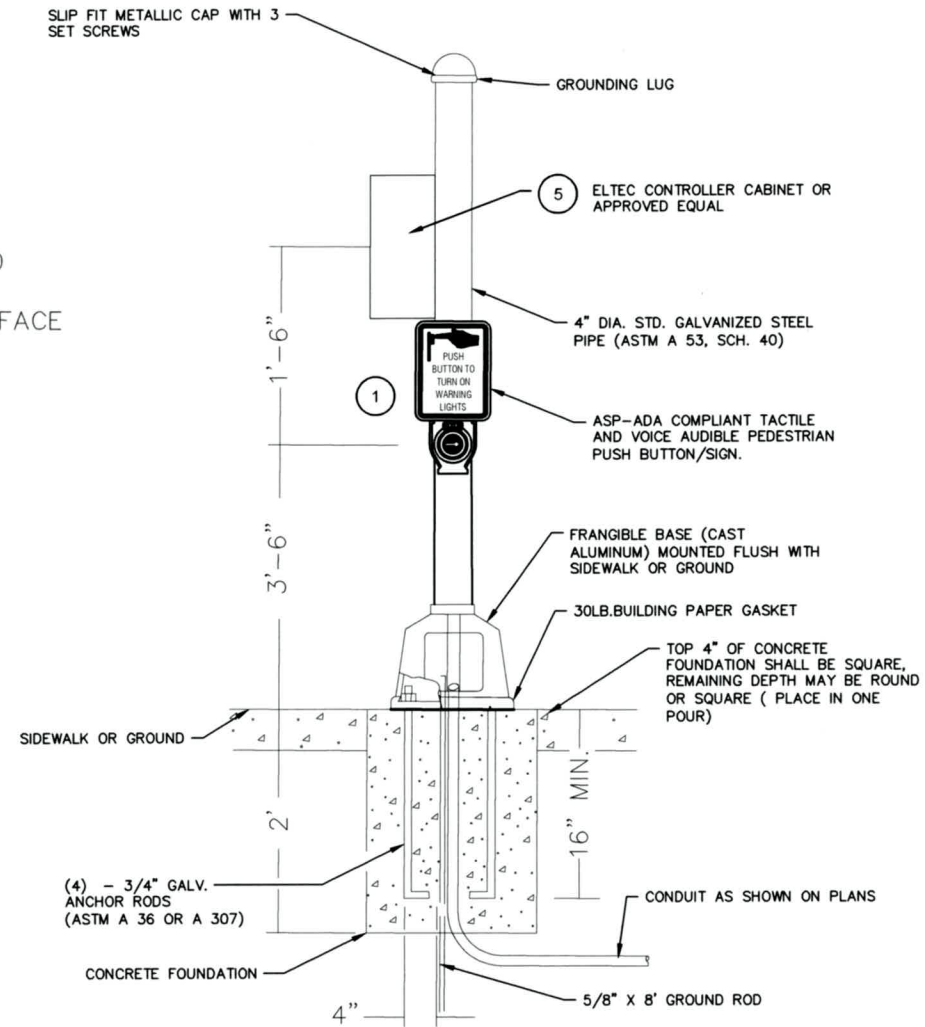
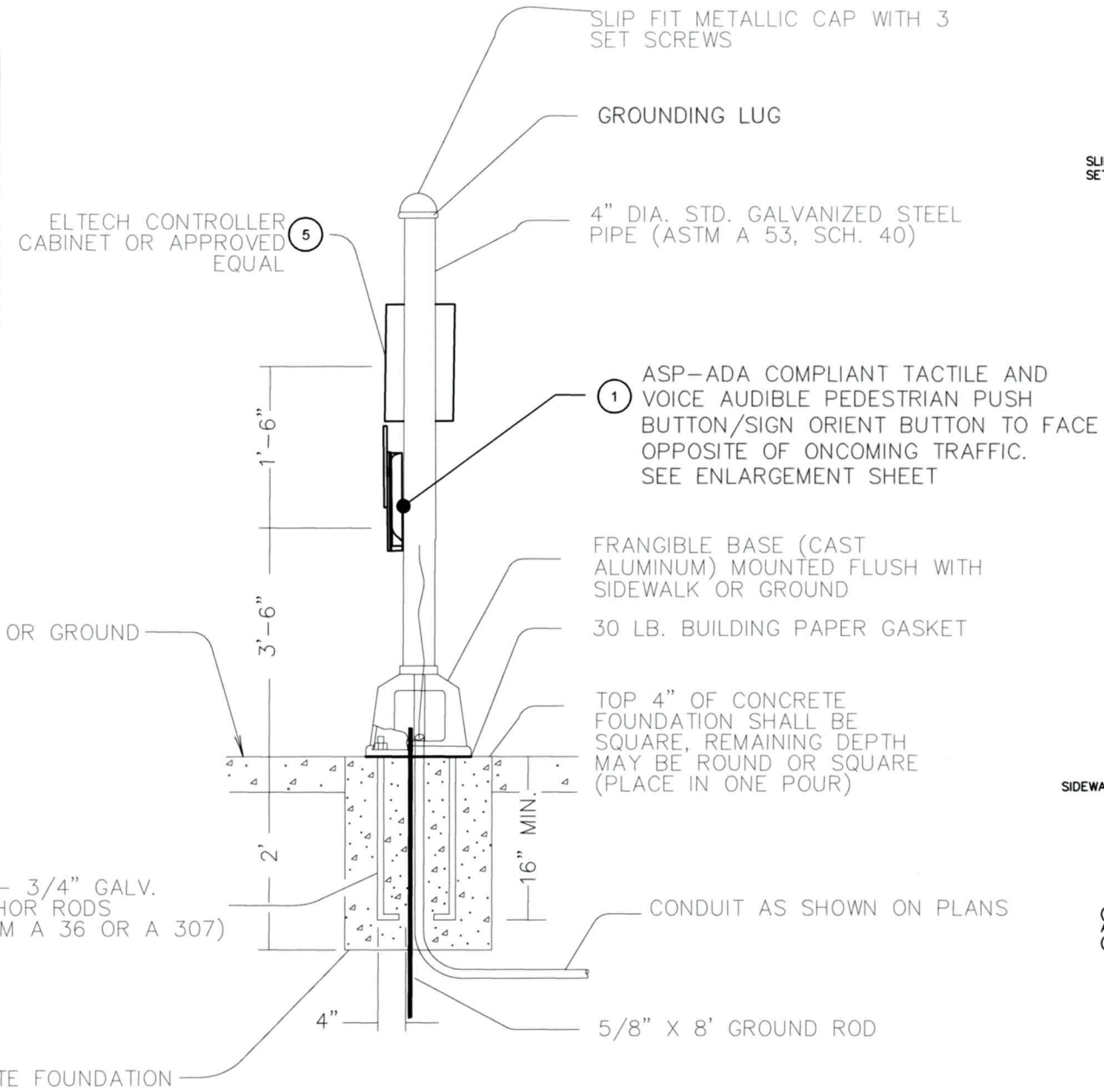
EXP DATE: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

NO SCALE

DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET MB01.2
OF 64



PEDESTRIAN PUSH BUTTON POST AT NORTH SIDE OF JASPER RD & FILBERT LN

No.	Revision/Issue	Date



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Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield

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



EXP DATE: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

NO SCALE

DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

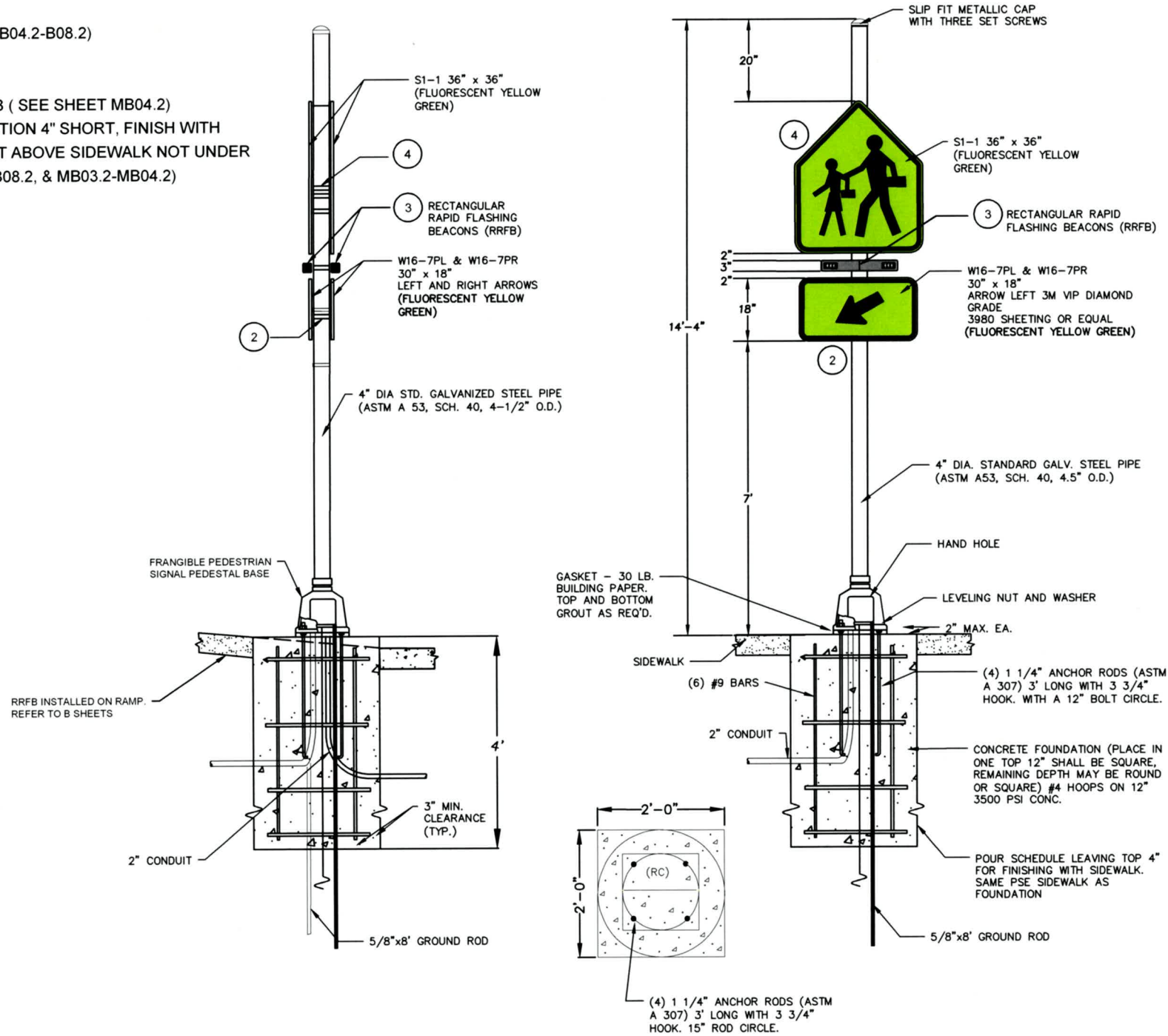
SHEET MB02.2
OF
64

NOTES:

1. PUSH BUTTON ASSEMBLY TO BE POLARA MODEL INX OR EQUIVALENT. PUSH BUTTON ASSEMBLY TO INCLUDE AUDIBLE INDICATOR TONE AND CUSTOMIZABLE MESSAGE "WARNING LIGHTS ARE ON TO CROSS JASPER ROAD. TRAFFIC MAY NOT STOP." ORIENTATION OF BUTTON TO BE PARALLEL TO CROSSWALK PER MUTCD STANDARDS. PUSH BUTTON TO INCLUDE TACTILE ARROW ORIENTED TOWARD CROSSWALK AND R10-25 INSTRUCTION SIGN. (SEE SHEET MB04.2)
2. SECONDARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER ODOT STANDARD DRAWING TM677
3. TWO-SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB) BAR ASSEMBLY CLEAR LENSES WITH AMBER LED'S. TO BE ELTEC MODEL OR EQUIVALENT.
4. PRIMARY SIGN WITH STAINLESS STEEL CLAMP (SSC) PER OREGON STANDARD DRAWING TM677.
5. POLE MOUNTED CONTROLLER TO BE ELTEC MODEL OR EQUIVALENT. WIRE ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. (SEE SHEET MB04.2)

SITE SPECIFIC NOTES

6. SOUTH RRFB INSTALLED ON RAMP (SEE SHEETS B04.2-B08.2)
7. RRFB ASSEMBLY DOUBLE SIDED
8. RRFB FOUNDATION 2'x2'
9. PUSH BUTTON ASSEMBLY SEPARATE FROM RRFB (SEE SHEET MB04.2)
10. FINISH TOP OF RRFB AND PUSHBUTTON FOUNDATION 4" SHORT, FINISH WITH MONOLITHIC SIDEWALK. BOLTS NEED TO BE SET ABOVE SIDEWALK NOT UNDER TO PREVENT EXTENSION. (SEE SHEETS, B04.2-B08.2, & MB03.2-MB04.2)



RRFB AT SOUTH SIDE OF JASPER RD & FILBERT LN

No.	Revision/Issue	Date



Know what's below.
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Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

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: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

NO SCALE

DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET MB03.2
OF 64

No.	Revision/Issue	Date



Know what's below.
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Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield



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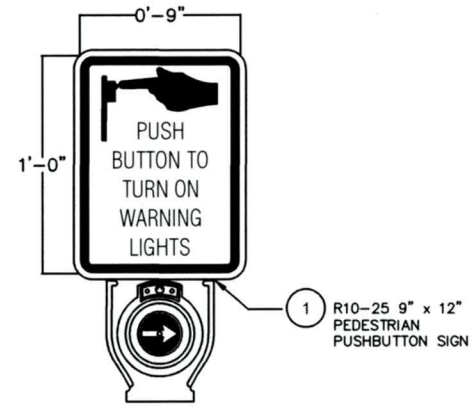
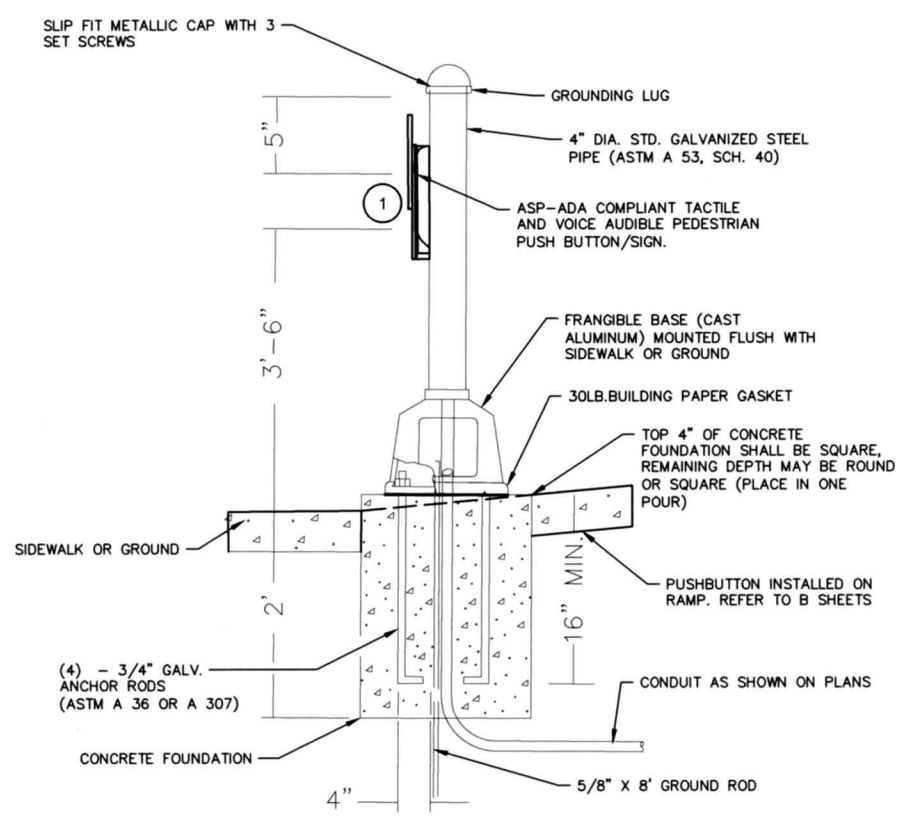
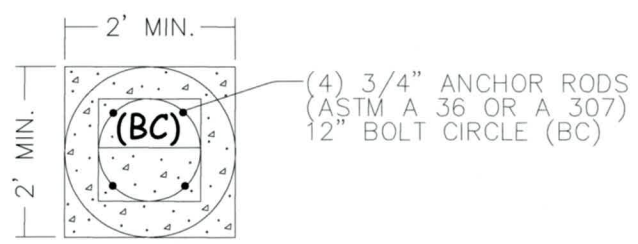
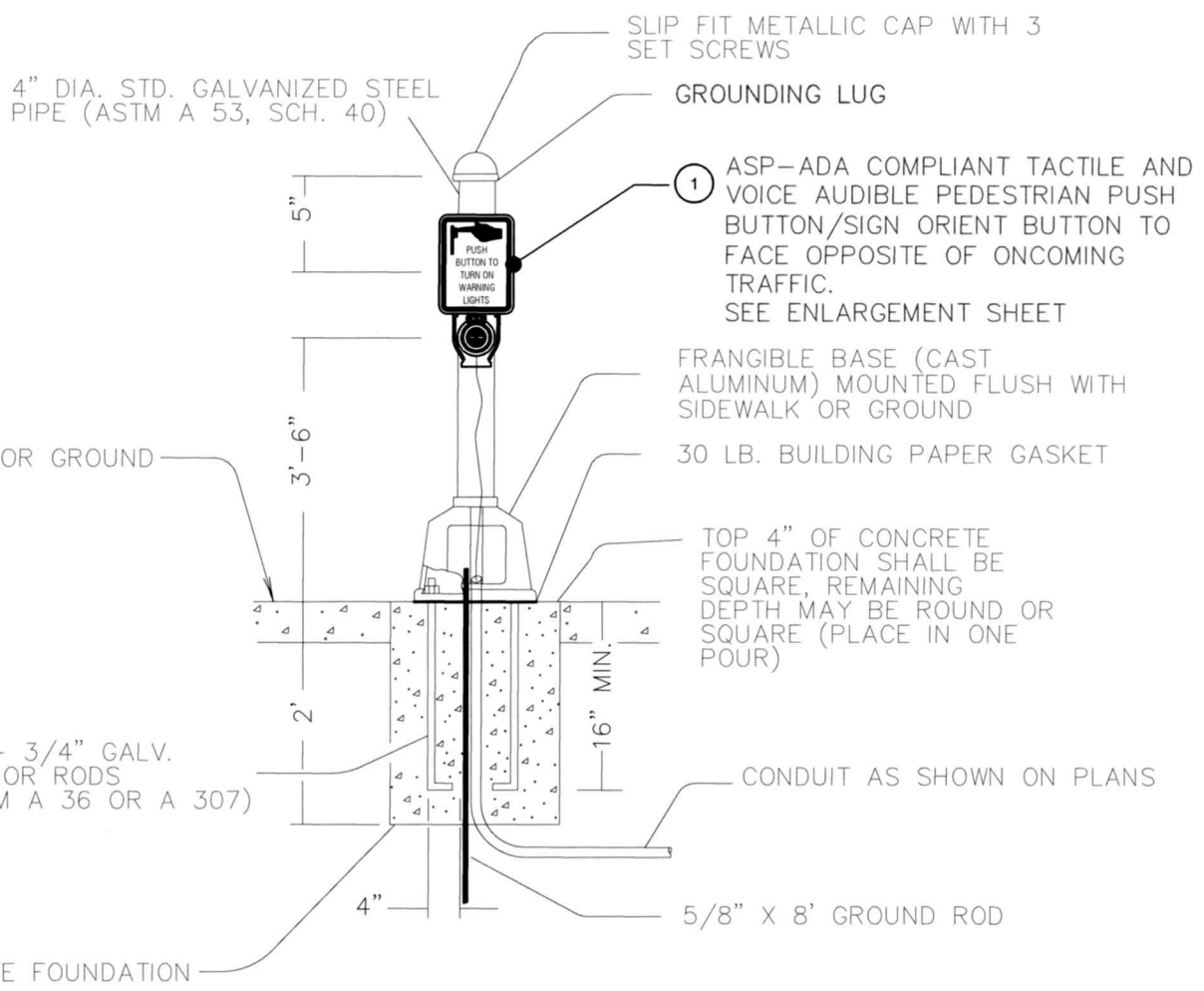
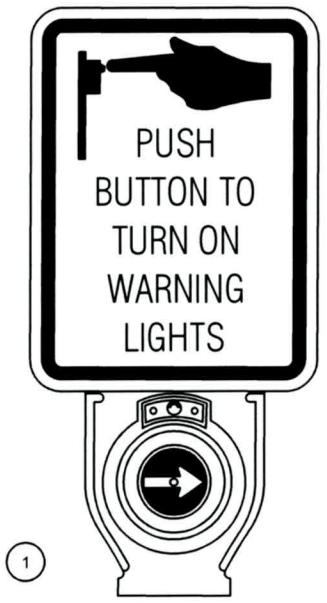


EXP DATE: 12-31-2023

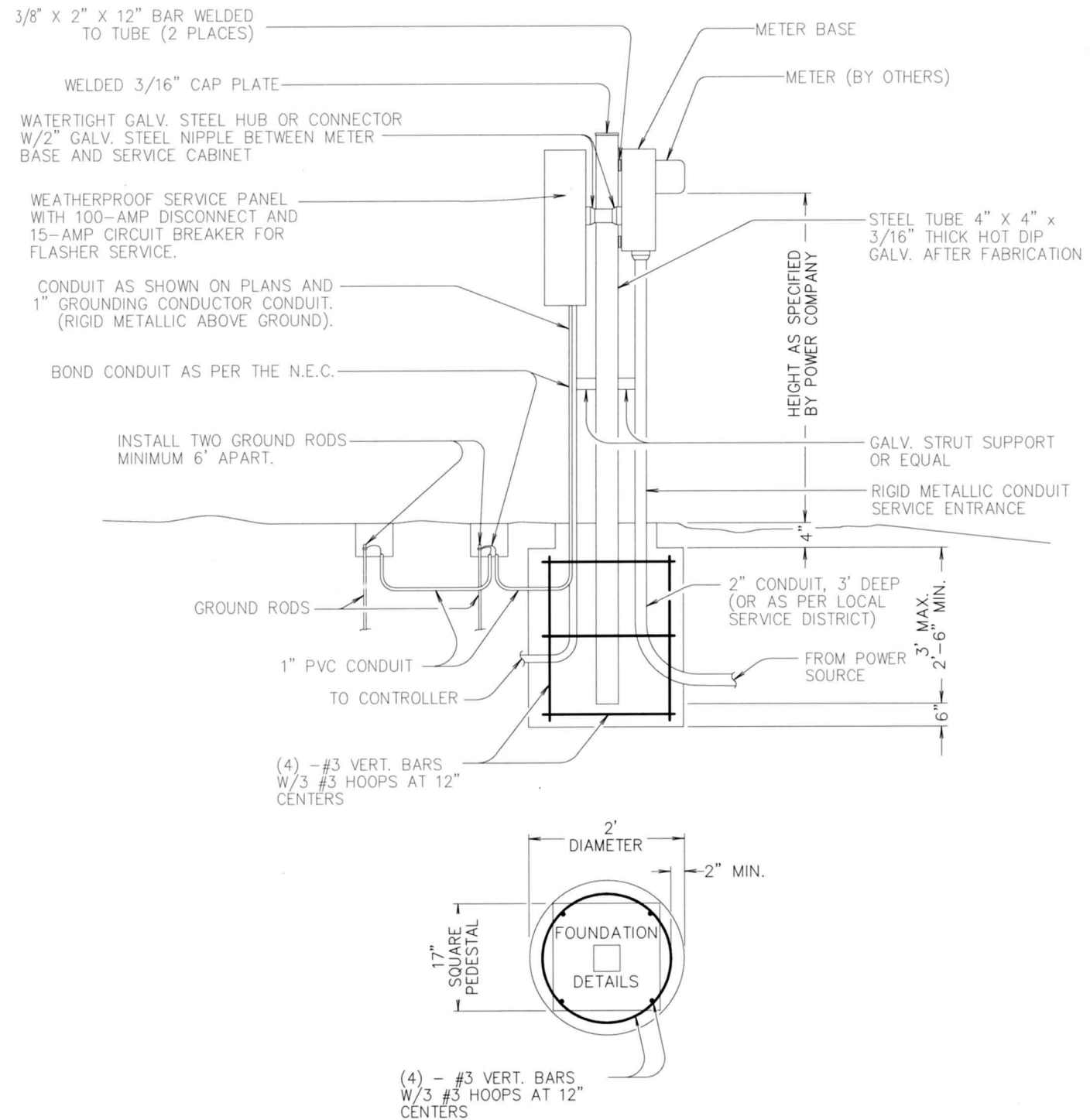
RECTANGULAR RAPID FLASHING BEACON DETAILS

NO SCALE
DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET MB04.2 OF 64



PEDESTRIAN PUSH BUTTON POST AT SOUTH SIDE OF JASPER RD & FILBERT LN



REMOTE POWER SERVICE POST (UNDERGROUND)

No.	Revision/Issue	Date



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Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings

City of Springfield

PUBLIC WORKS / ENGINEERING
206 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE: (541) 726-3753 FAX: (541) 726-3689
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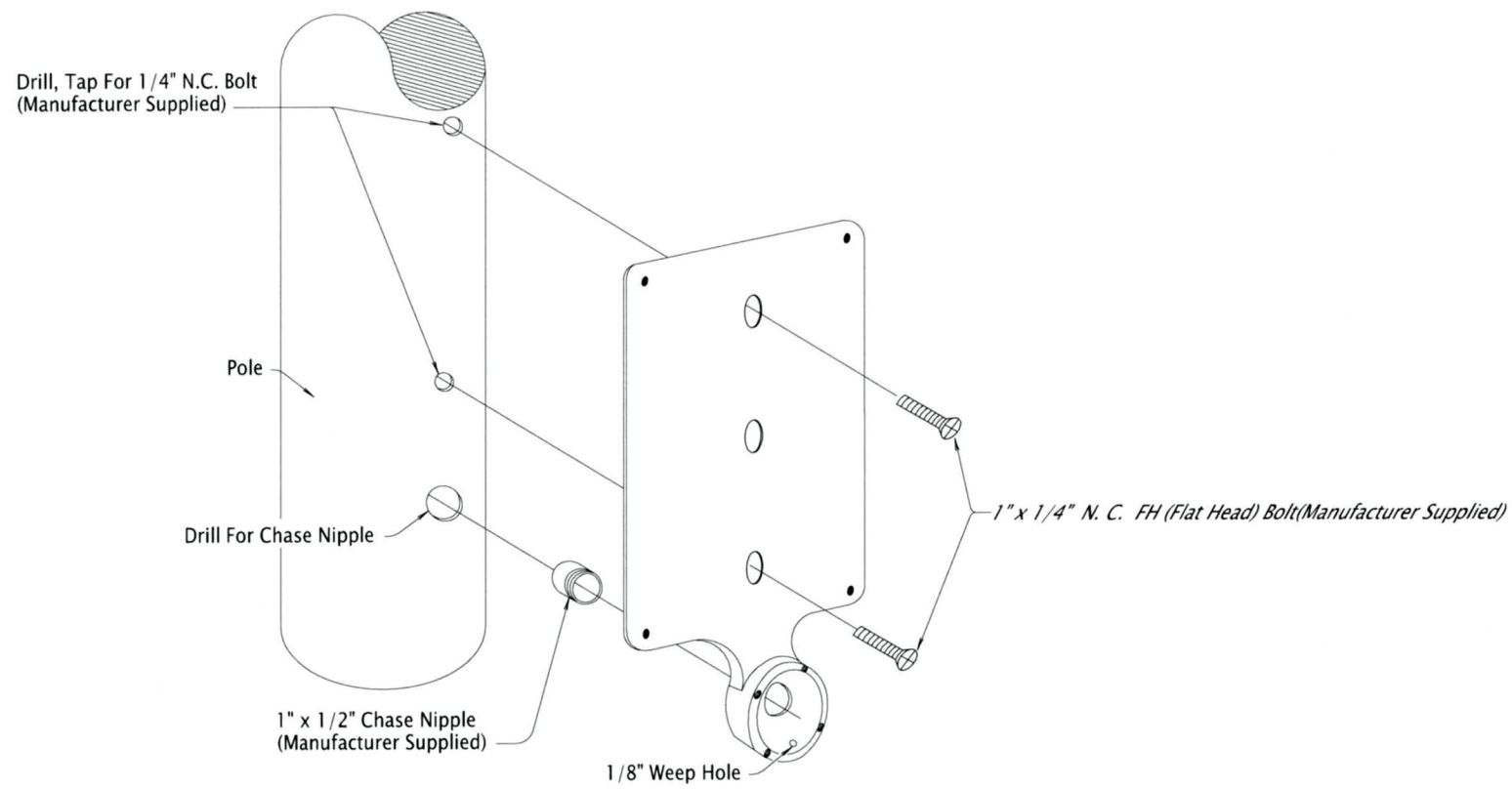
EXP DATE: 12-31-2023

RECTANGULAR RAPID FLASHING BEACON DETAILS

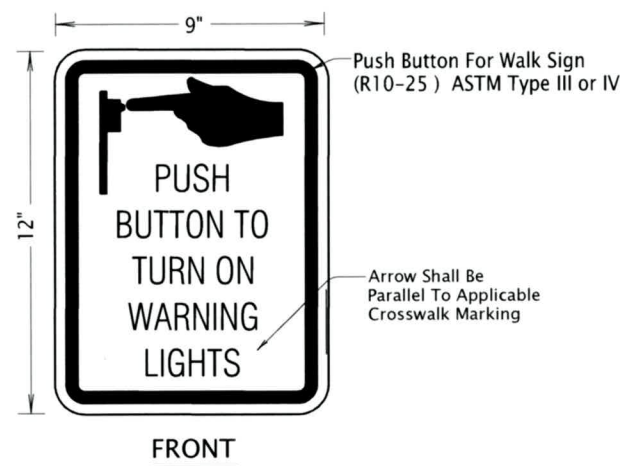
NO SCALE

DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET MB05.2
OF
64

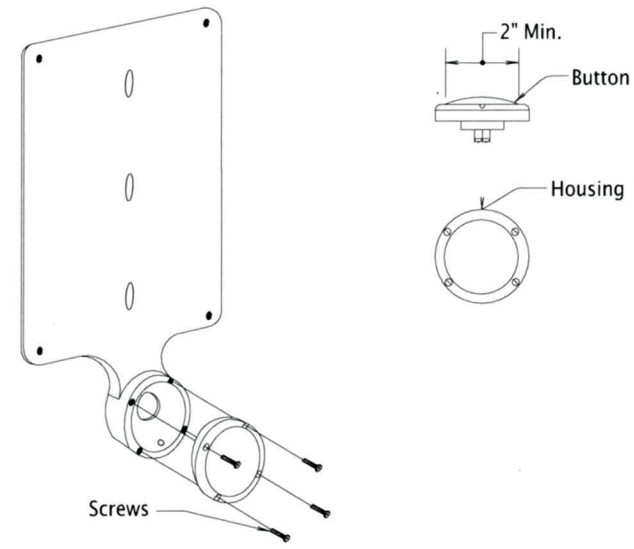


**STANDARD PUSHBUTTON STATION
AND INSTRUCTION SIGN**



FRONT

PUSHBUTTON MOUNTING DETAILS



STANDARD PUSHBUTTON

General Notes:

1. All Screws, Bolts, Nuts And Washers Shall Be Type 304 Or 316 Stainless Steel Unless Noted Otherwise.
2. Bolts And Screws Shall Have Square Or Hex Heads. Allen Head Fasteners Not Allowed.
3. Drill And Tap Pole As Per Orientation Shown On Plans.
4. Horizontal Reach To The Pushbutton Shall Be 10 Inches Maximum. See Plans Or Consult Engineer To Ensure Compliance.

No.	Revision/Issue	Date



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**Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings**

City of Springfield

PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
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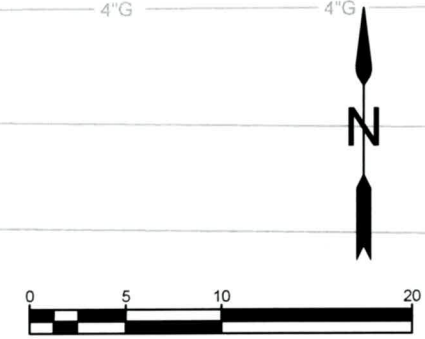
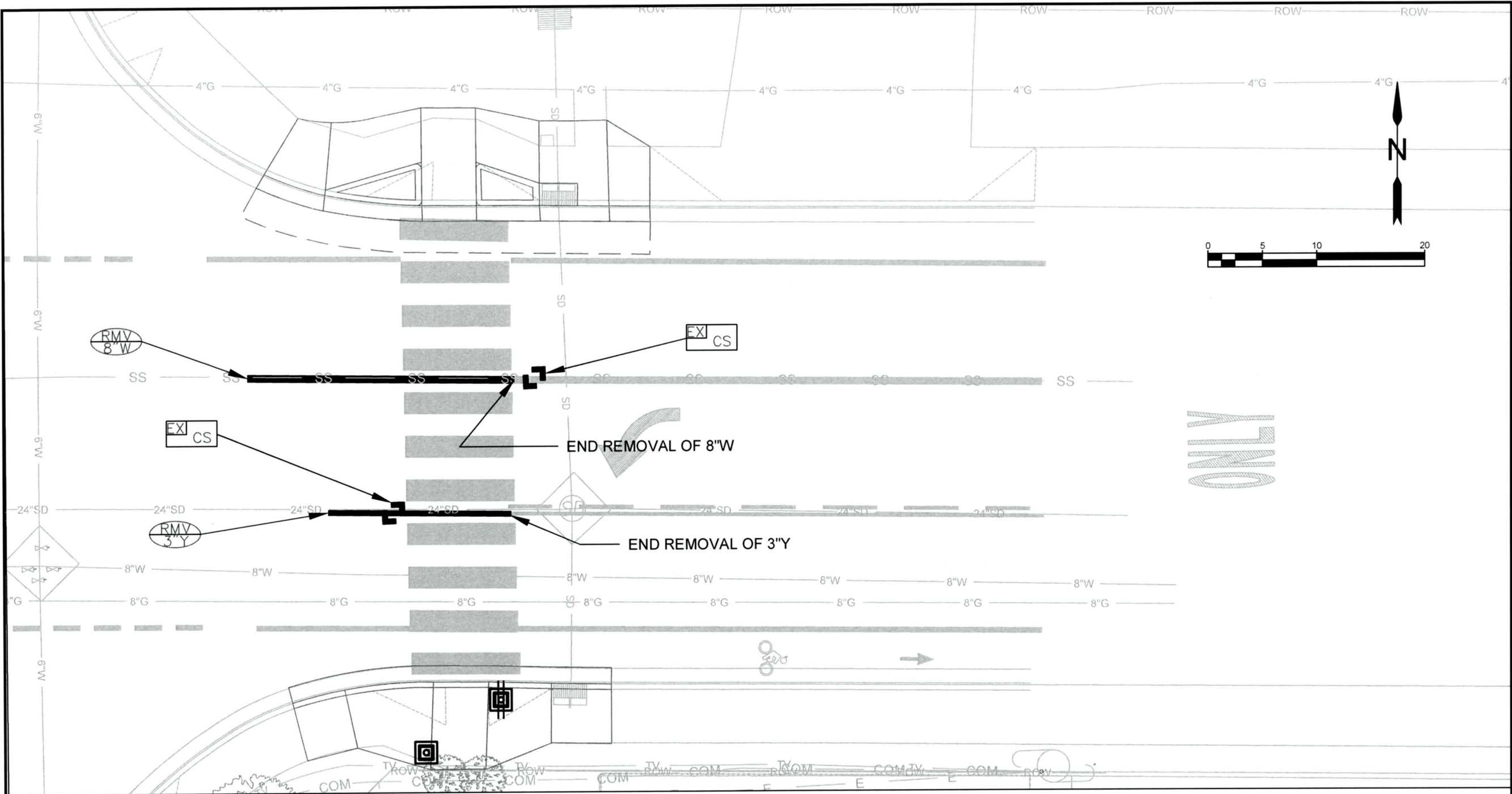
EXP DATE: 12-31-2023

**RECTANGULAR RAPID
FLASHING BEACON DETAILS**




NO SCALE

DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

**SHEET
MB06.2
OF
64**



INSTALLATION NOTES:

-  REMOVE EXISTING 8" WHITE LINE
-  REMOVE EXISTING 3" YELLOW LINE
-  RETAIN AND PROTECT EXISTING CUSTOM STRIPING FOR SCHOOL CROSSING CONE LOCATIONS.



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**Project P21180
Jasper Rd-Dondea St-Filbert Ln
School Crossings**

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3669
INTERNET www.springfield-or.gov



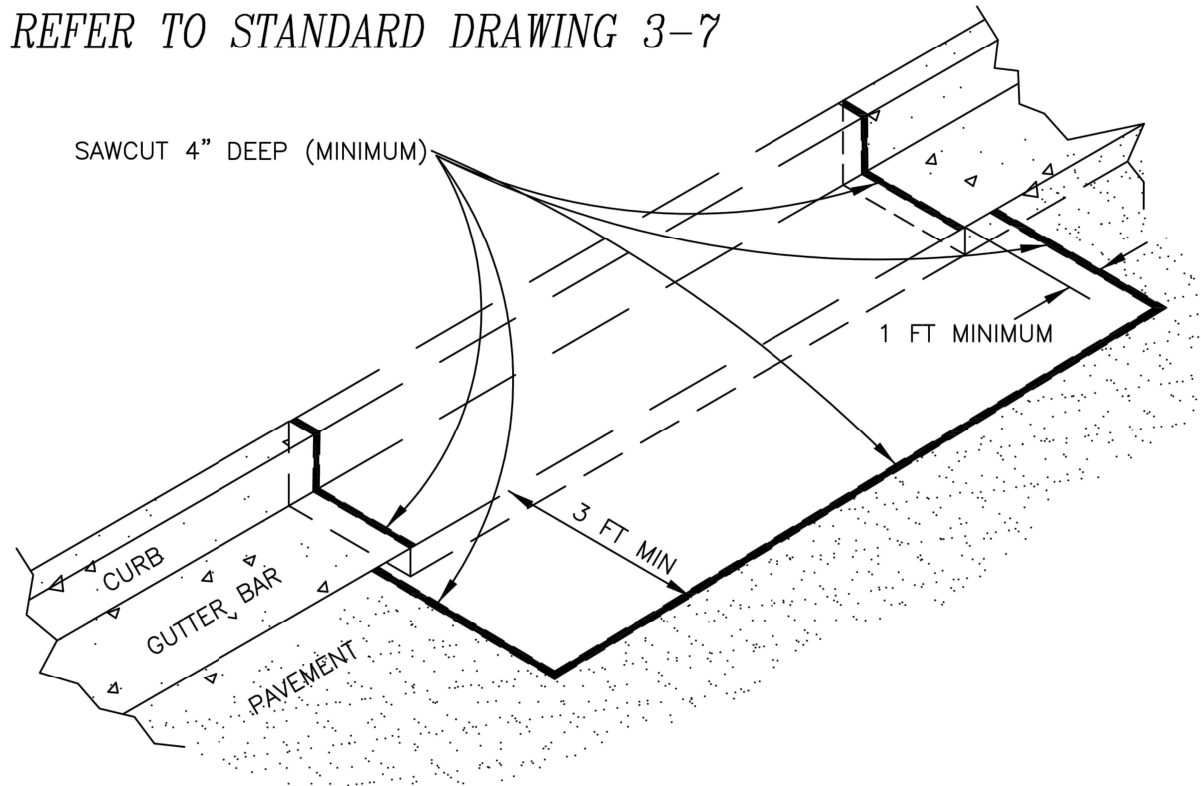
EXP DATE: 12-31-2023

PAVEMENT MARKING PLAN

SCALE: 1" = 10'
DRAWN BY: J. GRASSETH
DESIGNED BY: J. GRASSETH
CHECKED BY: B. BARNETT

SHEET Q01.2 OF 64


DO NOT USE THIS DETAIL FOR STANDARD CURB REMOVAL
REFER TO STANDARD DRAWING 3-7

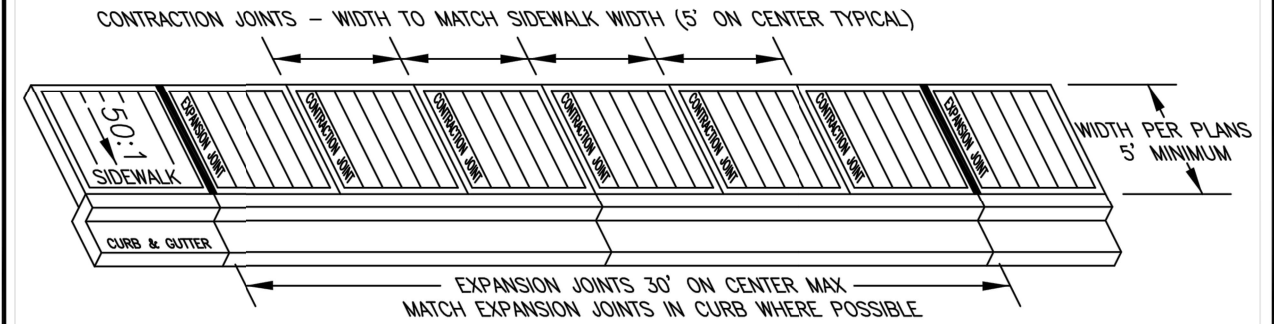


- (1) REPLACE CURB & GUTTER
- (2) SAWCUT 4" DEEP AS NECESSARY TO PROVIDE UNIFORM BONDING SURFACE
- (3) TACK COAT BOTH FACES
- (4) PLACE HOT MIX ASPHALT AND USE MECHANICAL COMPACTION EQUIPMENT TO ACHIEVE REQUIRED DENSITY
- (5) SEAL ALL JOINTS WITH POLYMERIZED ASPHALT AND SAND TO AVOID PICKUP

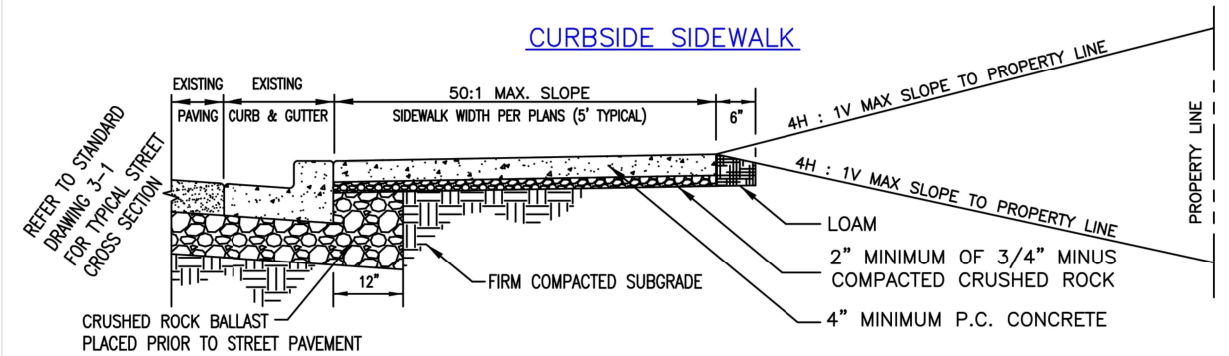
NOTES

- * EXISTING GUTTER BAR SHALL NOT BE REMOVED WITHOUT PRIOR APPROVAL BY THE CITY
- * CURB CUT WIDTH SHALL BE IN ACCORDANCE WITH PERMIT
- * REFER TO SPRINGFIELD STANDARD SPECIFICATIONS FOR ROADWAY STRUCTURE COMPACTION REQUIREMENTS
- * SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
- * CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

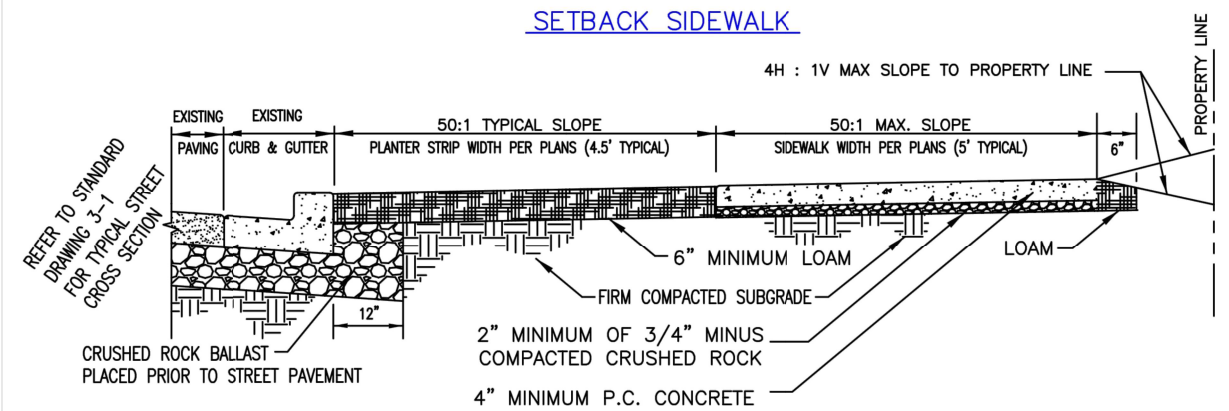
NO	REVISION	DATE	BY	APPR.	CITY OF SPRINGFIELD SPRINGFIELD	CURB & GUTTER REMOVAL & REPLACEMENT	STANDARD DRAWING
						Al Peroutka City Engineer 2003	3-8 2003



CURBSIDE SIDEWALK




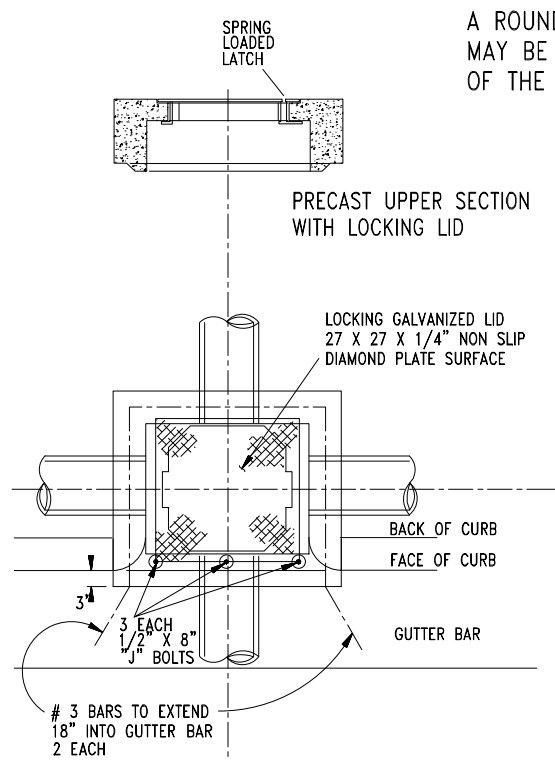
SETBACK SIDEWALK



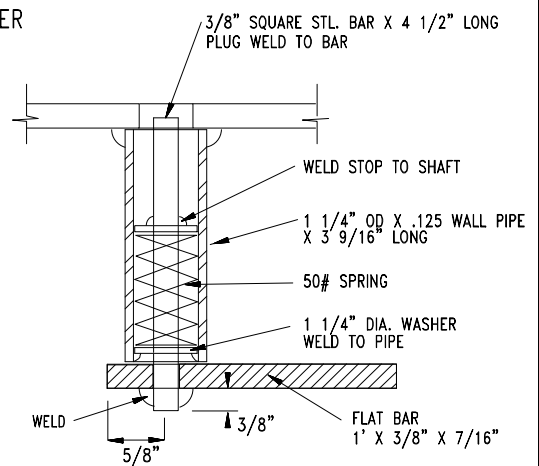
NOTES

- * NO ABOVEGROUND FACILITIES (FIRE HYDRANTS, POWER POLES, CATCH BASINS, VALVES, J-BOXES, ETC.) SHALL BE PERMITTED WITHIN THE SIDEWALK AREA
- * ALL SURFACES SHALL HAVE A BROOM FINISH.
- * SIDEWALKS, ACCESS RAMPS, AND RESIDENTIAL DRIVEWAYS SHALL BE 3000 PSI FIELD STRENGTH (3450 PSI LAB STRENGTH) 6.0 SACK MIX CONCRETE
- * CURBS & COMMERCIAL DRIVEWAYS SHALL BE 3500 PSI FIELD STRENGTH (4025 PSI LAB STRENGTH) 6.3 SACK MIX CONCRETE

NO	REVISION	DATE	BY	APPR.	CITY OF SPRINGFIELD SPRINGFIELD	SIDEWALK CONSTRUCTION	STANDARD DRAWING
						Al Peroutka City Engineer 2003	3-12 2003

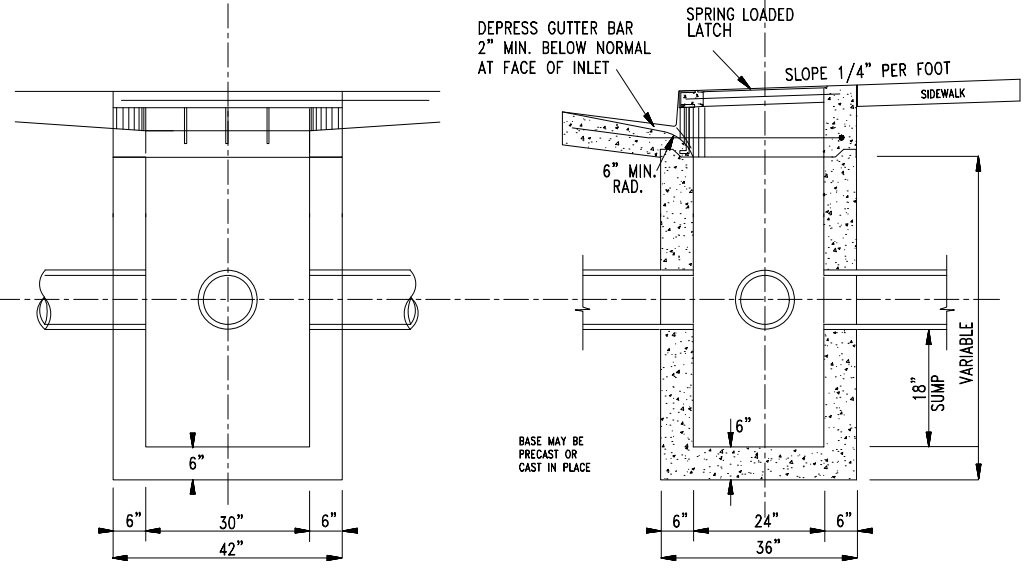


A ROUND MANHOLE TYPE LID MAY BE USED WITH APPROVAL OF THE ENGINEER



SPRING LOADED LATCH

- ALL CONCRETE SHALL BE MIN. 3500 PSI COMPRESSIVE STRENGTH AT 28 DAYS
- UPPER SECTION TO BE 48" STORM DRAIN INLET BY WALS CONCRETE COMPANY OR EQUAL



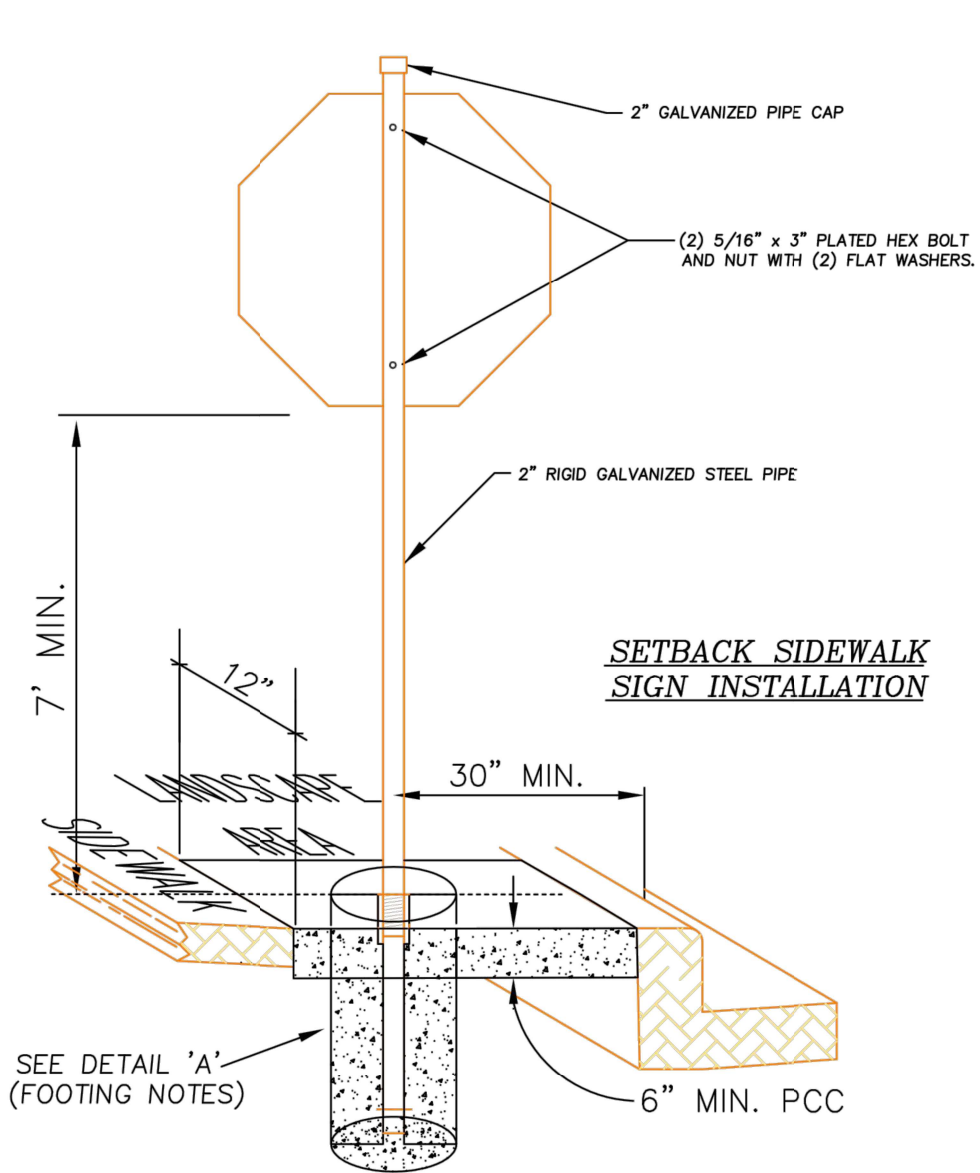
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
DEPT. OF PUBLIC WORKS

225 FIFTH STREET
SPRINGFIELD, OR. 97477

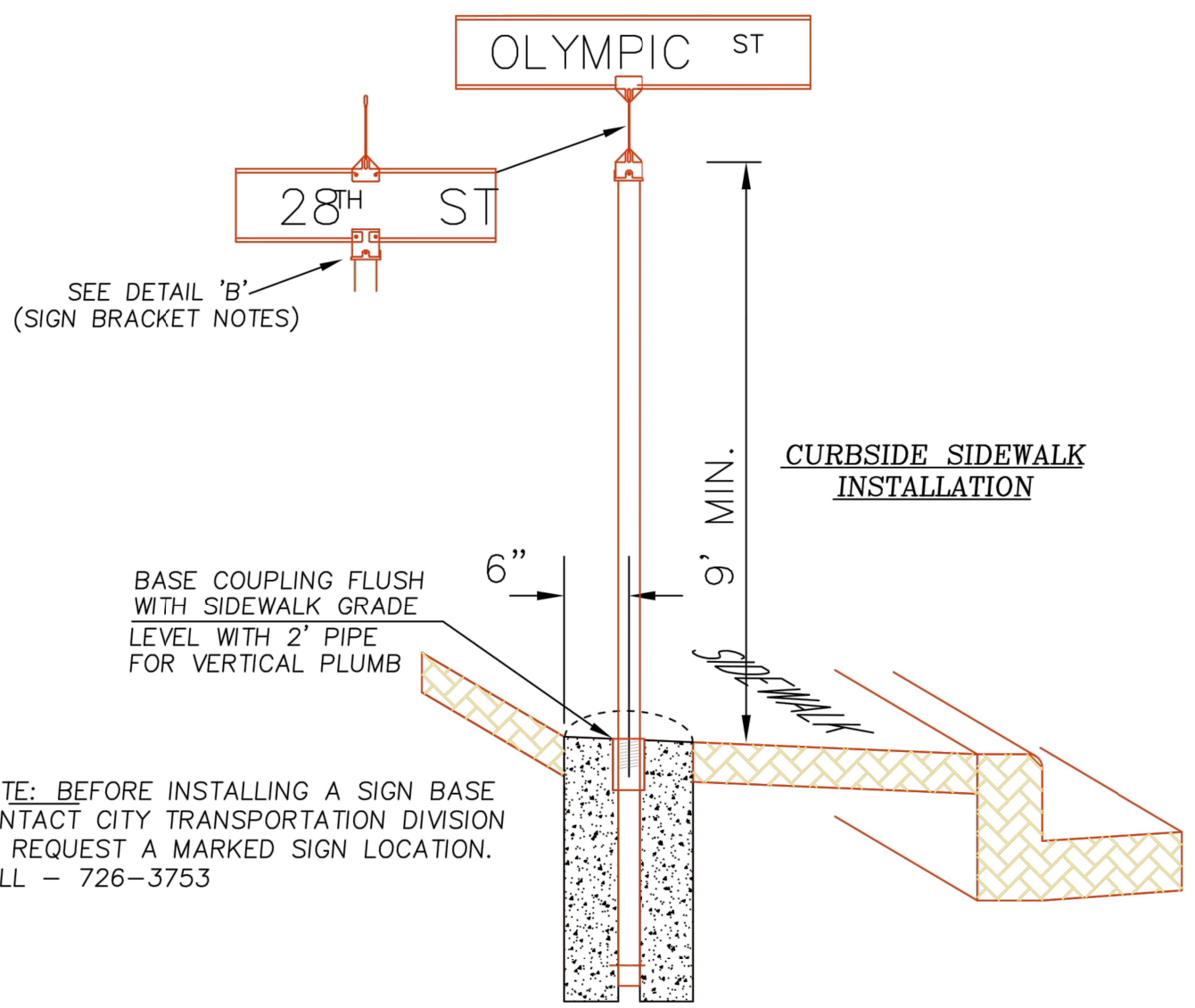
CURB INLET CATCH BASIN
TYPE 2 1/2A

STANDARD DRAWING
4-9



SETBACK SIDEWALK SIGN INSTALLATION

SEE DETAIL 'A' (FOOTING NOTES)



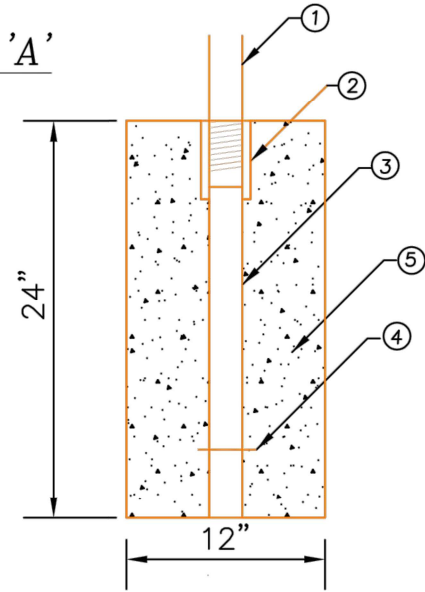
CURBSIDE SIDEWALK INSTALLATION

SEE DETAIL 'B' (SIGN BRACKET NOTES)

BASE COUPLING FLUSH WITH SIDEWALK GRADE
LEVEL WITH 2' PIPE FOR VERTICAL PLUMB

NOTE: BEFORE INSTALLING A SIGN BASE CONTACT CITY TRANSPORTATION DIVISION TO REQUEST A MARKED SIGN LOCATION. CALL - 726-3753

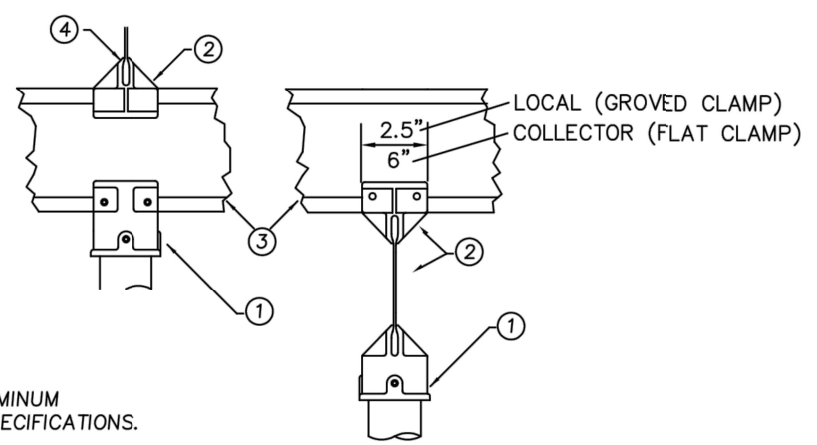
DETAIL 'A'



FOOTING INSTALLATION NOTES

- ① INSTALL 2" RIGID GALVANIZED STEEL PIPE.
- ② INSTALL 2" GALVANIZED THREADED STEEL PIPE COUPLING WITH TOP SET AT FINISHED GRADE.
- ③ INSTALL 2" RIGID GALVANIZED STEEL PIPE TACK WELDED TO COUPLING TO PREVENT TURNING.
- ④ INSTALL 1/4" X 5" STEEL PIN THROUGH STEEL PIPE
- ⑤ INSTALL SIGN BASE ASSEMBLY IN CLASS 3300 PORTLAND CONCRETE USING 2' MIN. GUIDE ROD TO INSURE SIGN POST WILL BE VERTICAL.

DETAIL 'B'



SIGN MOUNTING BRACKET NOTES

- ① INSTALL STREET SIGN CAP MOUNT FOR STREET NAME SIGN.
- ② INSTALL 90° TOP MOUNT FOR STREET NAME SIGN.
- ③ INSTALL EXTRUDED or FLAT ALUMINUM STREET NAME SIGN PER CITY SPECIFICATIONS.
- ④ MOUNTING BRACKETS FOR LOCAL SIGNS SHALL HAVE A GROVED CLAMP TO FIT EXTRUDED SIGNS. MOUNTING BRACKETS FOR COLLECTOR SIGNS SHALL HAVE A FLAT CLAMP TO FIT FLAT SIGNS

NOTE: DRAWING NOT TO SCALE
ALL EYEBOLTS, BOLTS, NUTS, AND WASHERS SHALL BE GALV. STEEL UNLESS NOTED OTHERWISE. ALL SET SCREWS SHALL BE MIN. DIA. 1/4" STAINLESS STEEL WITH SQUARE OR HEX HEADS. ALL SPANWIRE HANGERS AND PLUMBIZERS SHALL BE CAST BRONZE.

BY	DATE	NO	REVISION	DATE	BY	APPR.
DRAWN: M. ABARCA	5/93	1	STD. DWG.	5-18	4/94	DRB
DESIGNED:		2	SIGN STANDARDS	12/96	DRB	
CHECKED:		3	STD. DWG. UPDATE	7/01	D.D.	B.B.
APPROVED:						
FILENAME:	TSD5_18					

CITY OF SPRINGFIELD
DEPT. OF PUBLIC WORKS
TRANSPORTATION DIVISION
225 FIFTH STREET
SPRINGFIELD, OR. 97477
(541) 726-3753



ROADSIDE SIGN INSTALLATION DETAIL

STANDARD DRAWING
5-18

No.	Revision/Issue	Date	By
1	STD. DWG. 5-18	4/94	DRB
2	SIGN STANDARDS	12/98	DRB
3	STD. DWG. UPDATE	7/01	D.D
4	STD. DWG. UPDATE	6/16	DRB
5	MIX CASE, DESCEND LTRS	4/21	CH

**STANDARD
DRAWING
TSD5_18A**

ROADSIDE SIGN LAYOUT DETAIL

City of Springfield



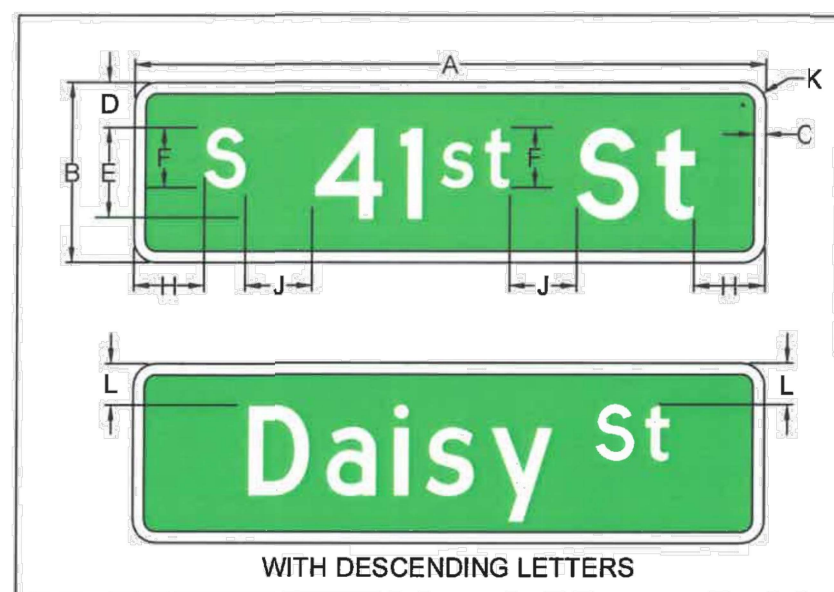
EXP DATE: 12-31-2021

APRIL 30, 2021

NOT TO SCALE

DRAWN BY: C. HANSEN
DESIGNED BY: M. LIEBLER
CHECKED BY: B. BARNETT

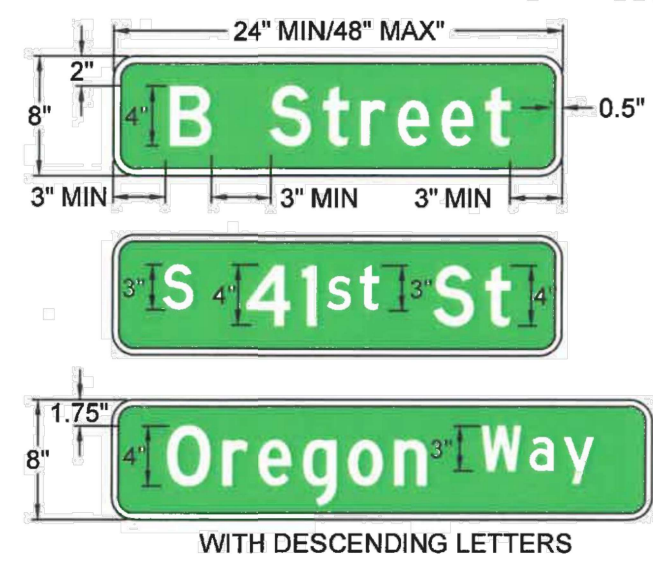
April 30, 2021



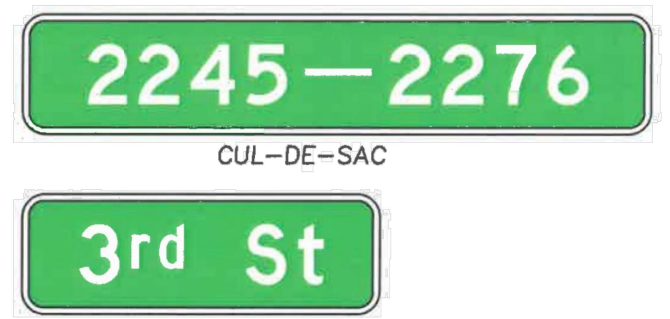
SIGN LOCATION	DIMENSIONS IN INCHES										
	A	B	C	D	E	F	G	H	J	K	L
LOCAL	24 MIN/48 MAX	8	0.5	2	4C	3C		3 MIN	3	1.5	1.75
COLLECTOR ≥ 30MPH ARTERIAL ≤ 40MPH	60 MAX	12	0.5	3	6C	4C		4.5 MIN	4	1.5	2.75

WITH DESCENDING LETTERS

LOCAL ROADSIDE STREET SIGN EXAMPLES
8" FLAT 0.125 ALUMINUM

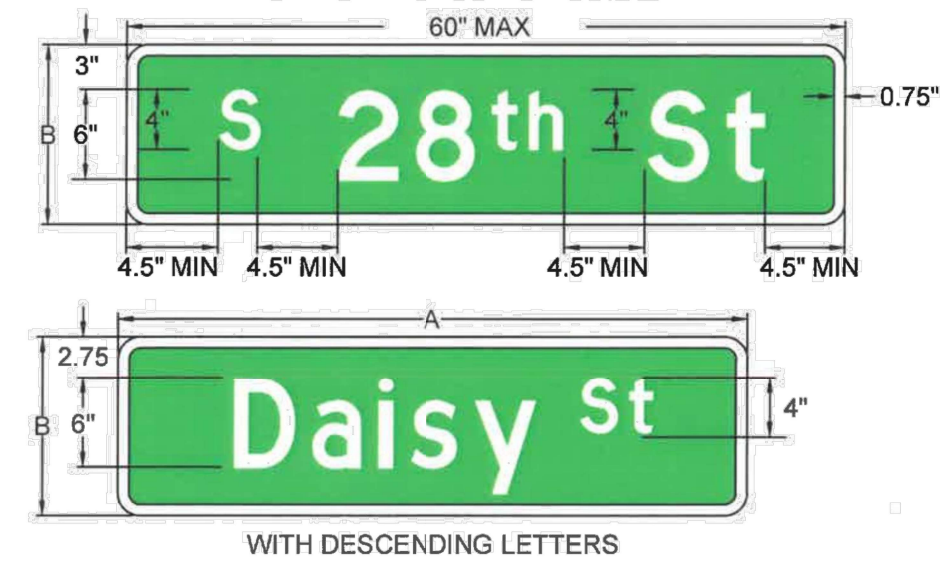


WITH DESCENDING LETTERS



CUL-DE-SAC

COLLECTOR ROADSIDE STREET SIGN EXAMPLES
12" FLAT 0.125 ALUMINUM



WITH DESCENDING LETTERS

Standard Abbreviations:

S (SOUTH)	Ave (AVENUE)	Pkwy (PARKWAY)
W (WEST)	Blvd (BOULEVARD)	Pl (PLACE)
	Ct (COURT)	Rd (ROAD)
	Dr (DRIVE)	St (STREET)
	Ln (LANE)	Way (WAY)
	Lp (LOOP)	

Notes:

- Roadside sign legend shall be 'C' Series.
- Sign blanks shall first be sheeted using white, 3M Diamond Grade V.I.P. material (Series 3990)
- Next apply green 'electrocut' film (E.C. Series 1177) using a 'reverse cut' (negative image) process.
- Apply the E.C. film, with the cut legend removed, over the white sheeting base.
- Legend shall be centered on the sign blanks and shall be laid out using the dimensions shown in the chart above.

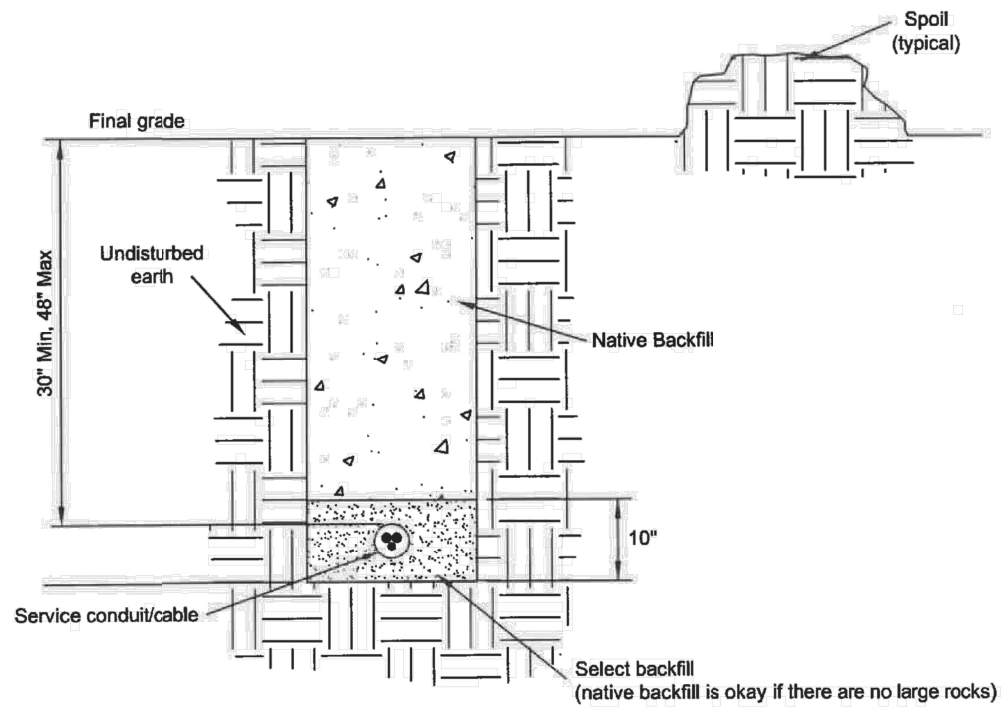
6. Legend heights

- All 'lettered' streets (A - Z): use 4" lettering and 4" supplementary lettering (Street, Avenue, Road)
- All 'numbered' streets (1st - 99th): use 4" number with 3" convention (N, S) and 4" abbreviated road type (St, Ave, Rd)
- All 'named' streets (Virginia, Water): use 4" letters and 3" abbreviated road type (St, Ave, Rd)
- All 'arterial' or 'collector' type streets (Transportation System Plan - TSP): use 6" and 4" legend
- All 'local' type streets (those not listed in TSP): use 4" and 3" legend.

7.

- Typical installation of roadside signs includes 2-inch round tube caps with 90-degree angle brackets on 2-inch round steel posts. See Roadside Installation Detail 5-18. Use 12-inch blade mounts.
- See Springfield Standard Drawing TSD5_18 Roadside Sign Installation Detail for footing, pole, and sign bracket details.
- Sign widths vary with legend. Where site constraints limit available space, reduced letter height, font series, line spacing, or edge spacing will be considered. Reductions in spacing between letters or words is not permitted.
- Signs on the same assembly must be of the same blank height and the larger of the functional class.

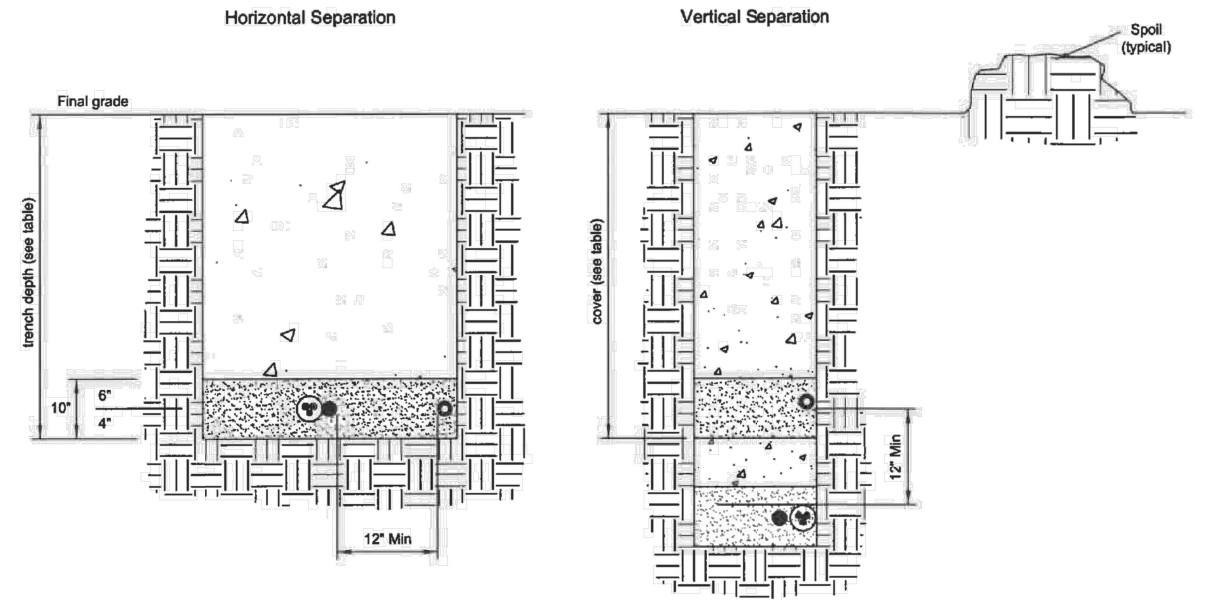
Power Cable Trench (Only)



LEGEND

- Service (Conduit/Cable)
- Native Backfill
- Select Backfill
- Undisturbed Earth

Joint Use Trench

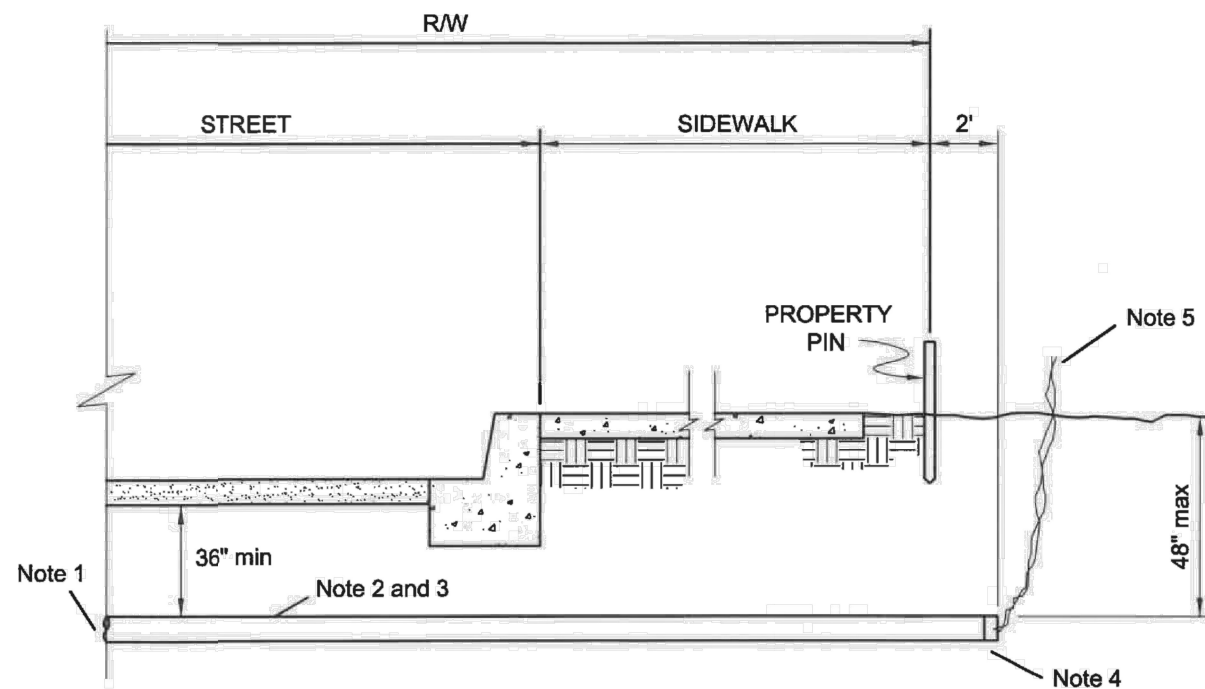


LEGEND

- Other Electric Utilities (Telephone, Cable TV)
- Secondary/Service (Conduit/Cable)
- Primary (Conduit/Cable)
- Native Backfill
- Select Backfill
- Undisturbed Earth

Conduit/Cable	Minimum Cover	Max. Burial Depth
Primary	36"	48"
Secondary/Service	30"	48"

Street Crossing



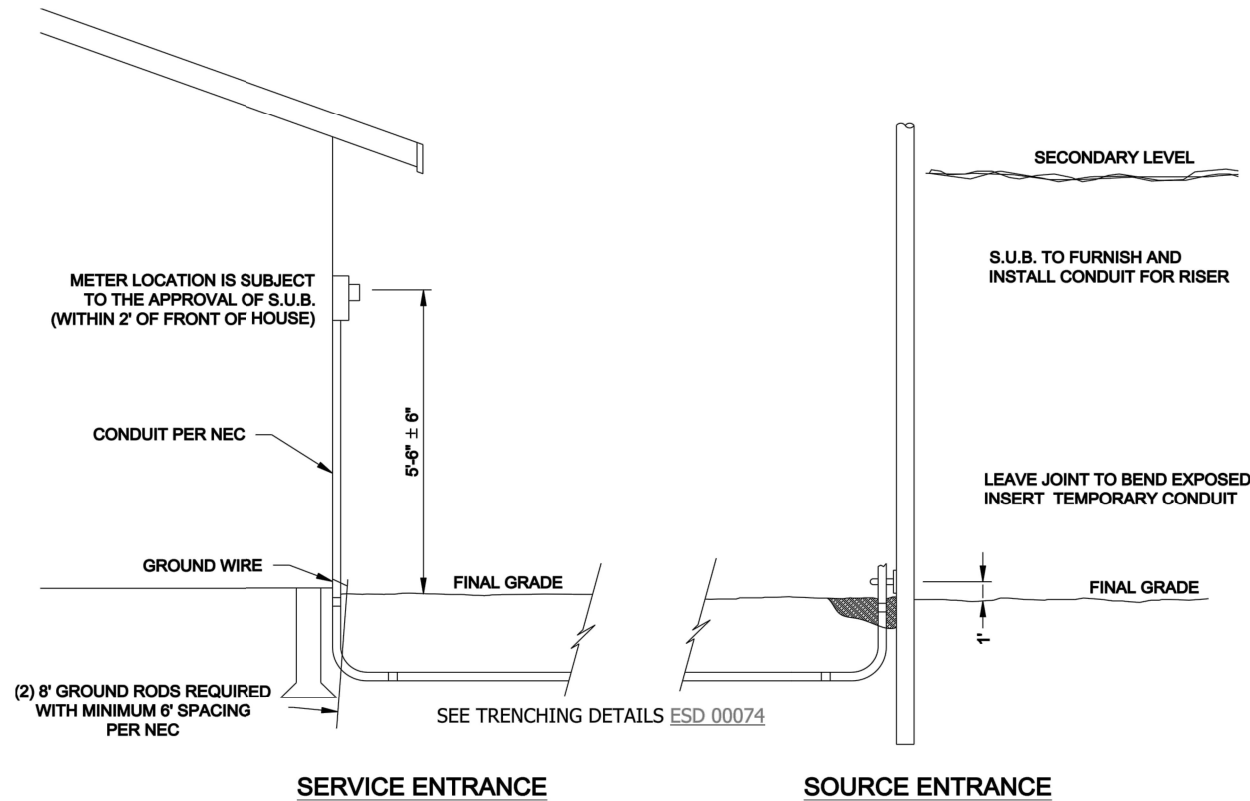
NOTES:

1. All crossings shall be made perpendicular to the road unless otherwise specified.
2. All conduits shall be schedule 40 gray.
3. Conduit sizes will be specified by S.U.B.
4. End of conduit shall be sealed with tape or cap.
5. A marking tape shall be placed around the end of the conduit and brought up at least 1 foot above the ground line, or the end of the conduit shall be marked with scrap conduit or a wood 2"x4" (no stakes).
6. Backfill:
 - A. Native backfill containing large rocks, paving materials, cinders, large or sharply angular substance, or corrosive material shall not be placed back into the trench.
 - B. For crossings in existing street use CDF backfill. For driveways and when otherwise specified, backfill shall be ¾" minus crushed rock (or approved equivalent) compacted in 6" lifts.

REVISIONS	
Date	Description
10/1/85	Created
9/21/01	Drawing updated
3/25/10	Reformatted

	<p>SPRINGFIELD UTILITY BOARD ENGINEERING STANDARD DISTRIBUTION PROCEDURES & POLICIES TRENCHING DETAILS</p>	<p>DATE DWN STD CHK APP 3/25/2010 SK SK EH TJ</p>
		<p>STANDARD NUMBER ESD 0074 Page 3 of 4</p>

	<p>SPRINGFIELD UTILITY BOARD ENGINEERING STANDARD DISTRIBUTION PROCEDURES & POLICIES TRENCHING DETAILS</p>	<p>DATE DWN STD CHK APP 3/25/2010 SK SK EH TJ</p>
		<p>STANDARD NUMBER ESD 0074 Page 4 of 4</p>



CUSTOMER TO PROVIDE:

1. All conduit from the base of the pole to the meter base. Conduit shall be Schedule 40 PVC conduit, 2" minimum, no half sizes.
2. Bends must be Schedule 40 PVC long sweep, 36" radius, no more than a total of 270 degrees in the run.
3. A minimum of 30 inches of ground cover over conduit is required. Call the Electric Department at 541-726-2395 to arrange for a trench inspection. Do not backfill until trench is approved. An inspection sticker will be placed on the conduit at the service entrance for verification of inspection.
4. Construct the conduit, to the SUB supplied bracket on the pole, as far out on the bracket as possible, or as designated by SUB. Attach a temporary piece of conduit to the bracket to assure alignment. Leave the joint exposed and do not glue the joint.
5. Payment of required Development/Redevelopment Charges (DRC's).
6. Service conductor, as specified by the NEC, of sufficient length to make terminations at the meter base and at the secondary level at the pole. Spliced conductor will not be allowed. Call the Electric Department at 541-726-2395 to arrange for assistance pulling in the conductor.
7. Provide current billing information prior to energization.

SUB TO PROVIDE:

8. Design of system improvement to the lot. Create estimate for required DRC's.
9. Stand-off bracket on the pole for a conduit meet-me point.
10. Trench inspection. Please call the Electric Department for appointment, 541-726-2395.
11. Build the riser on the pole from the standoff to the secondary level.
12. Assistance in pulling in conductor. Please call the Electric Department at least one business day in advance for appointment, 541-726-2395.
13. Construct the required system improvements to bring service to the lot.
14. Make final connections at pole to energize the service.

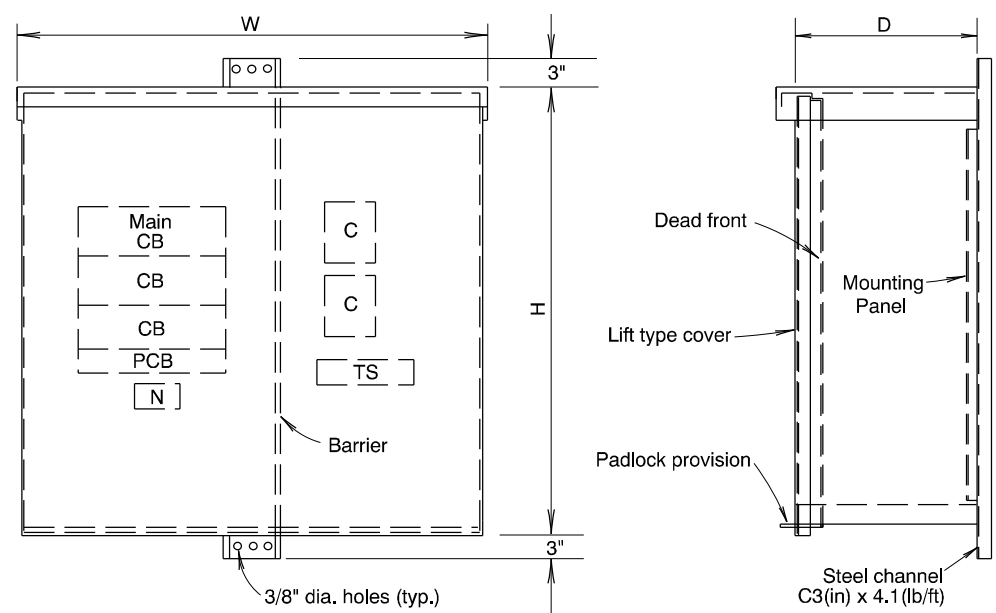
GENERAL CONDITIONS:

15. At no point shall the conduit run beneath permanent structures or objects.
16. Call 811 for public utility locates before any excavation. Private utilities require a separate locating service.
17. A typical 200A residential service will use 4/0 Al U.S.E. cable and 2" conduit. For other installations, refer to NEC and contact the Electric Department Engineering at 541-726-2395.
18. Meter base must pass City (or County) electrical inspection prior to energization.
19. Only SUB employees shall perform work on SUB facilities, including power poles, secondary pedestals and transformer vaults.

Date	Description
12/16/2002	Created
7/30/2007	Updated
7/21/2008	Reformatted, drawing updated, and Note 4 added
11/1/2013	Clarified process, put steps in order of activity. SUB to now provide Schedule 80 conduit for riser pole.

	SPRINGFIELD UTILITY BOARD ELECTRIC ENGINEERING AND CONSTRUCTION STANDARDS	DATE 12/26/13	DWN TGJ	CHK SK	APP RLM
	UNDERGROUND SERVICE FED FROM OVERHEAD	STANDARD NUMBER ESD 0106			
		Page 1 of 2			

	SPRINGFIELD UTILITY BOARD ELECTRIC ENGINEERING AND CONSTRUCTION STANDARDS	DATE 12/26/13	DWN TGJ	CHK SK	APP RLM
	UNDERGROUND SERVICE FED FROM OVERHEAD	STANDARD NUMBER ESD 0106			
		Page 2 of 2			



2P or 3 P CB	1P CB	Cont.	Neut.	Test S.W.	W	H	D
2	1	1	1	1	20"	16"	8"
3	1	2	1	1	20"	20"	8"
4	1	3	1	1	20"	24"	8"

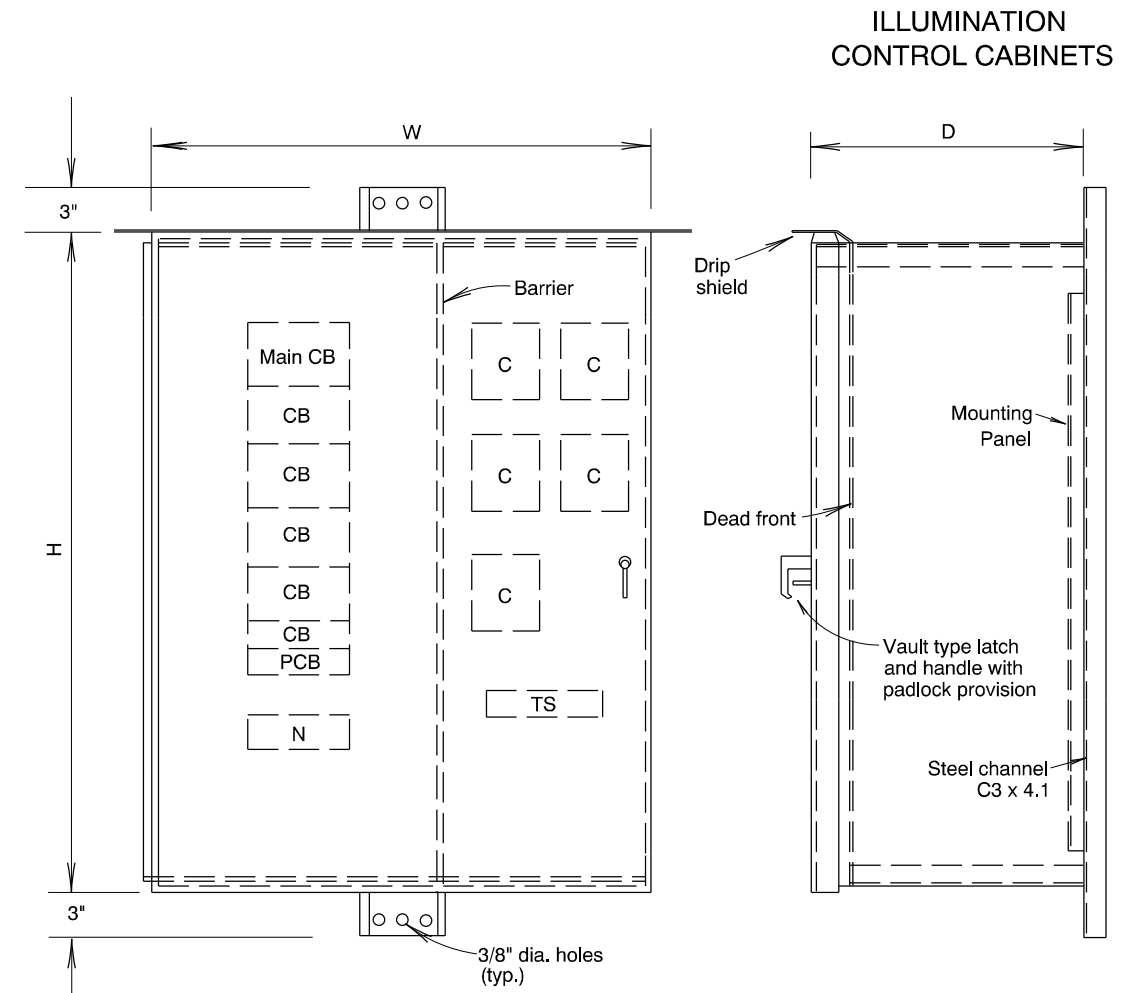
CABINET NO. 1
No Scale

- Type "A" cabinet
- Can accommodate 1 to 3 contactors (30 amp max.)
Make cabinet depth 10" when 60 or 100 amp contactor is specified.

GENERAL NOTES

- Type "A" cabinet has a top hinged lift cover with provision to hold cover in open position.
- Type "B" cabinet has cover hinged on left or right side with catch and handle.
- All enclosures shown on this drwg. shall bear a U. L. label reading: "CUTOUT BOX" (Raintight)
- Cabinets formed from 10 Gage thick sheet metal. Hot dip galvanized after fabrication or 12 gage type 304 or 306 stainless steel.
- Dimensions are based on the following frame sizes:
 - "TEB" for 240 v. rating
 - "TED" for 277, 480 and 600 v. rating
- All internal wiring, except field wires, shall be done by a U.L. listed facility.
- Deadfronts may be fabricated from code thickness galvanized sheet metal or type 304 or 316 stainless steel.
- For galvanized sheet metal deadfronts:
 - Cut edges shall be treated with zinc-rich paint.
 - They shall be primed with vinyl wash primer and finished with exterior polyurethane enamel.
 - The color shall be Medium Gray that matches Federal Standard 595C color # 26270.
- Install copper buss bars for main and branch circuits.
- Provide 2 (min.) locator studs near top for dead fronts, and handle (finger) on dead front near bottom.

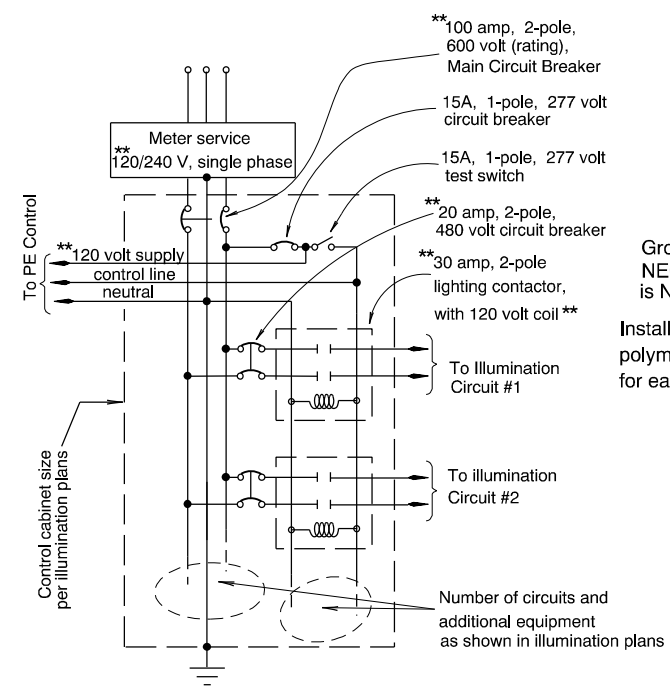
CB = Circuit Breaker
C = Contactor
N = Neutral Block (copper)
TS = Test Switch
PCB = Photocell Circuit Breaker



- Type "B" cabinet
- Can accommodate 4 to 6 contactors (30 amp max.)
Make cabinet depth 10" when 60 or 100 amp contactor is specified.

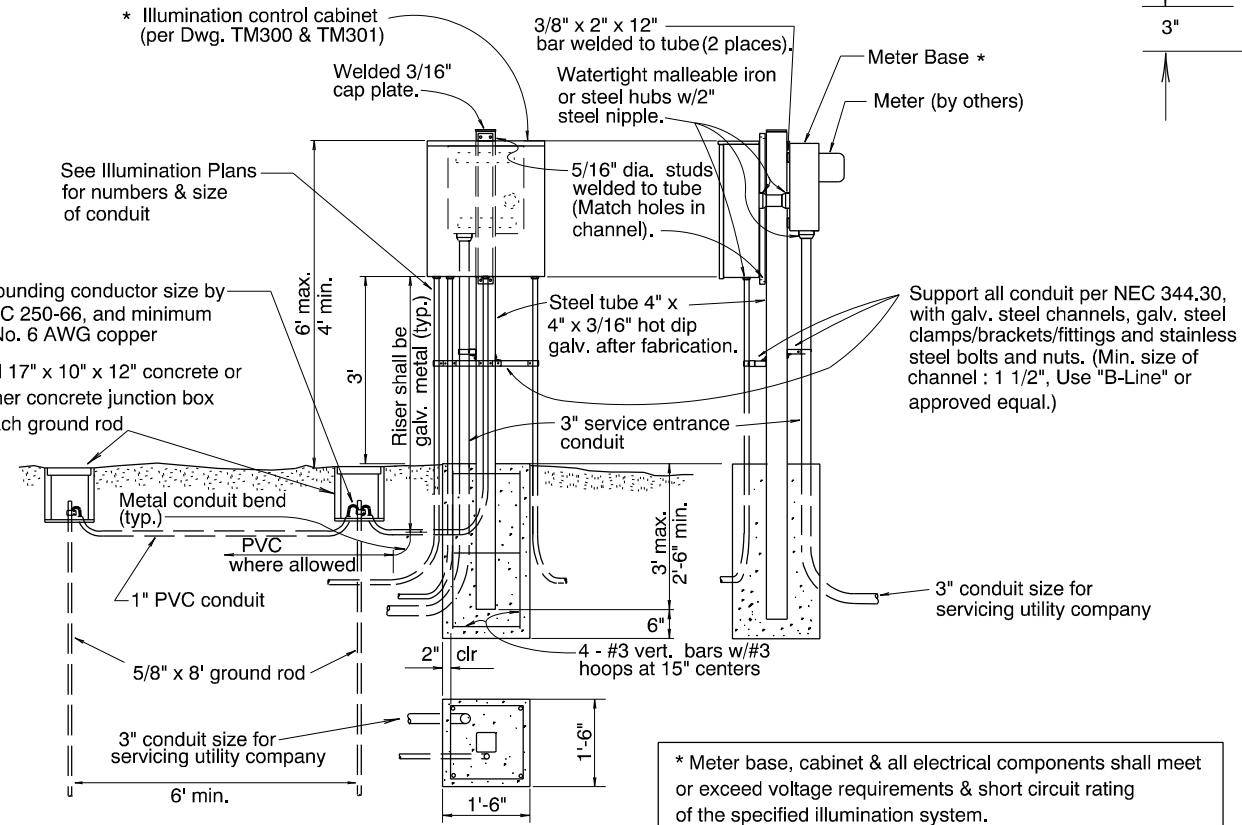
2P or 3 P CB	1P CB	Cont.	Neut.	Test S.W.	W	H	D
5	1	4	1	1	24"	28"	8"
6	1	5	1	1	24"	32"	8"
7	1	6	1	1	24"	36"	8"

CABINET NO. 2
No Scale



WIRING DIAGRAM
SERVICE & CONTROL CABINETS

**Electrical service voltage, equipment voltage and rating, breaker sizes are per illumination plans. Specific wiring diagram for each cabinet shall be shown in illumination plans and checked by Engineer.



POST MOUNT ILLUMINATION CABINET
No Scale

* Meter base, cabinet & all electrical components shall meet or exceed voltage requirements & short circuit rating of the specified illumination system.

ILLUMINATION CONTROL CABINETS

CALC. BOOK NO. N/A	SDR DATE JUN. 16, 2020
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
ILLUMINATION CONTROL CABINETS	
2021	
DATE	REVISION DESCRIPTION

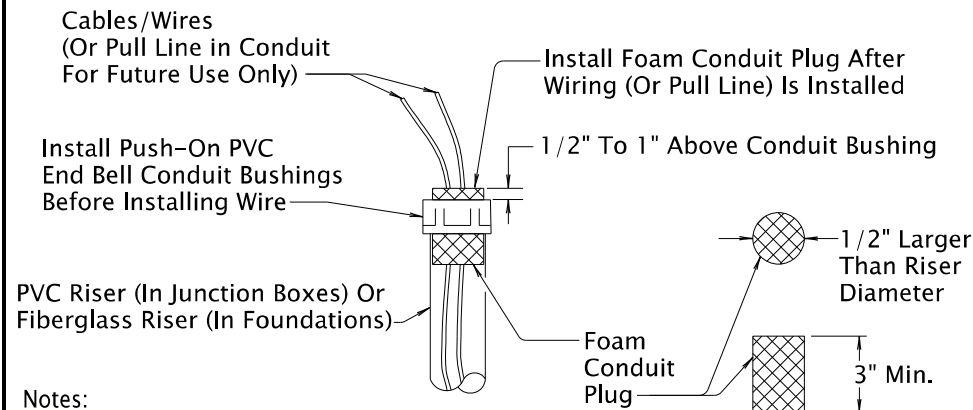
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

TM 300

Type Of Conduit	Minimum Cover From Top Of Finished Surface (Use Permit Depth If Greater Than These)	
	Roadway & Shoulders	Other Areas
Metallic	24"	18"
Non-Metallic	30"	18"

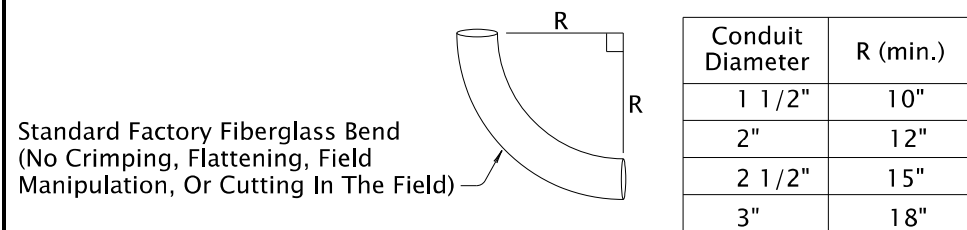
Note:
1.) Additional Cover Depth May Be Necessary Near Foundations And Junction Boxes To Accommodate The Minimum Radius ("R") Of The Conduit Elbow. See "Conduit Elbow", "Conduit Installation In Foundations" And "Conduit Installation In Junction Boxes" Details For More Information.

MINIMUM COVER FROM FINISHED SURFACE

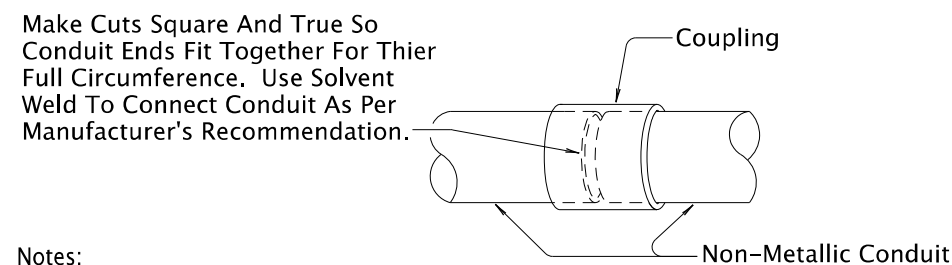


Notes:
1.) Ream Conduit Ends To Remove Rough Edges And Burrs
2.) Temporarily Plug Or Cap Conduit Ends At All Times To Keep Debris Out

CONDUIT ENDS AND BUSHINGS

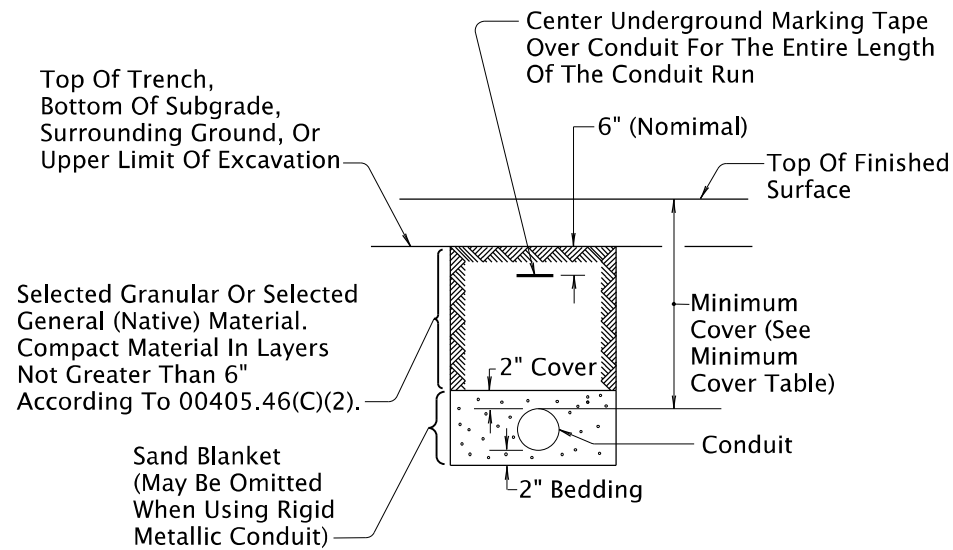


CONDUIT ELBOWS

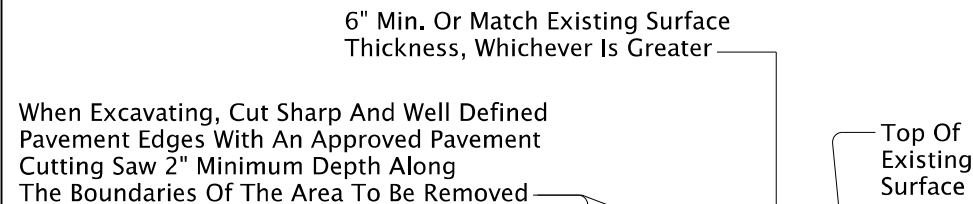


Notes:
1.) Slip Joints, Running Threads Or Reducing Couplings Not Allowed. Use The Same Size Conduit For The Entire Length, Outlet To Outlet.

CONDUIT COUPLINGS



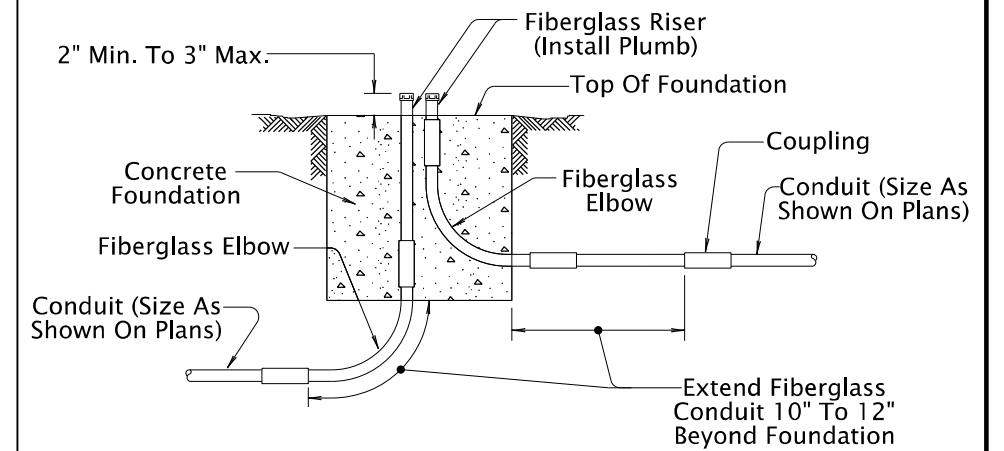
UNSURFACED AREAS (new roadway prior to paving, shoulders, under sidewalk, landscaped areas, etc.)



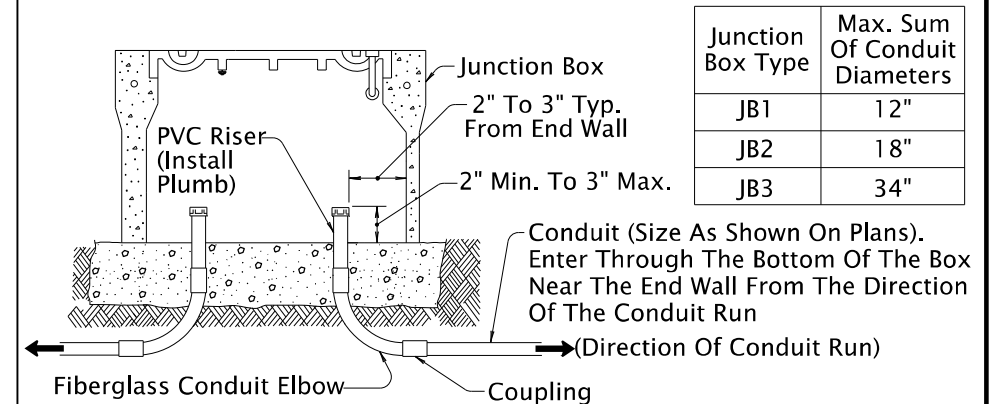
EXISTING PAVED AREAS

- Trenching & Backfill Notes:
- Excavate According To 00960.40. In Areas To Be Paved Or Landscaped, Place All Conduit Before Paving Or Landscaping.
 - Hold Trench Width To A Practical Minimum
 - Do Not Backfill Trenches Until Inspected By The Engineer
 - Furnish Backfill Materials According To 00960.10

CONDUIT OPEN TRENCH EXCAVATION & BACKFILL



CONDUIT INSTALLATIONS IN FOUNDATIONS (Applicable for Pole, Pedestal, Post, Service Cabinet and Controller Cabinet Foundations)



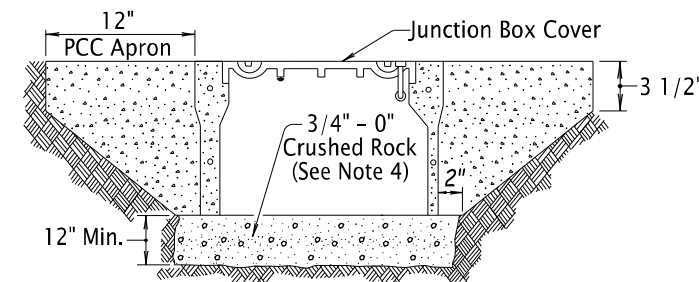
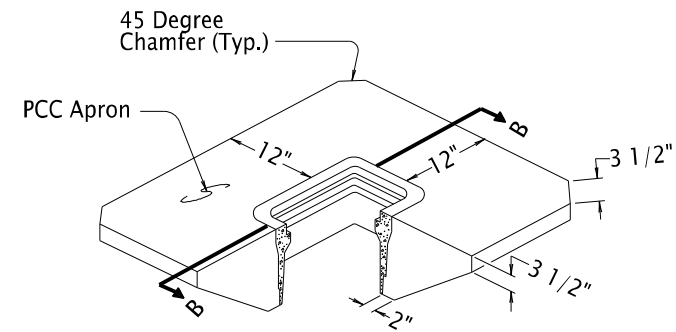
CONDUIT INSTALLATION IN JUNCTION BOXES

General Notes:

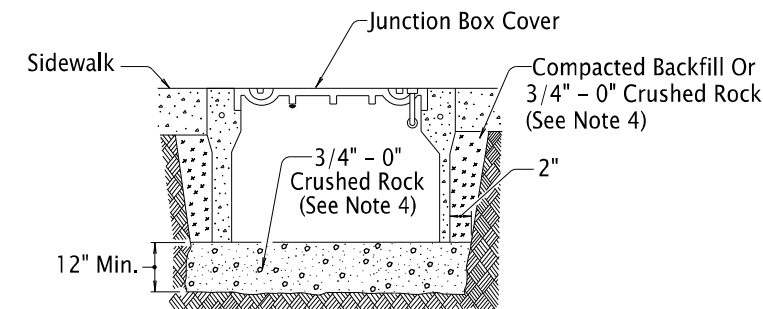
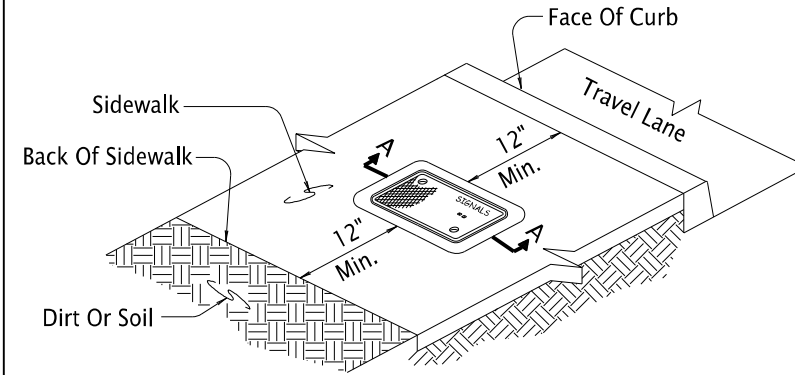
- Install Non-Metallic Conduit Unless Otherwise Shown. Conduit Runs Shall Be Continuous Between Any Pole, Junction Box, Or Cabinet.
- Install Conduit By Open Trench Method, Horizontal Directional Drilling, Or As Shown
- Conduit Runs Shown On Plans Are For Bidding Purposes Only. Locations May Be Changed To Avoid Obstructions.
- Larger Conduit Than Specified May Be Used At The Option And Cost Of The Contractor If Max. Sum Of Conduit Diameters In Junction Box Is Not Exceeded.

CALC. BOOK NO. _ N/A _ _ _ _ _	SDR REPORT DATE 4-Jan-2021 _ _ _ _ _
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
TRENCHING & CONDUIT INSTALLATION	
2021	
DATE	REVISION DESCRIPTION
01/21	Added Note 1 To "Minimum Cover From Finished Surface" Detail

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.



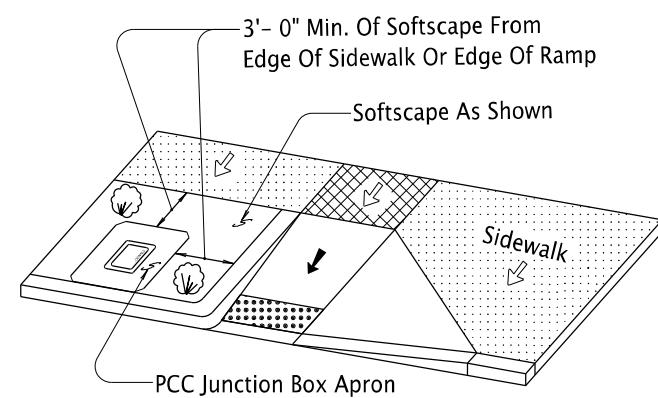
SECTION B-B



SECTION A-A

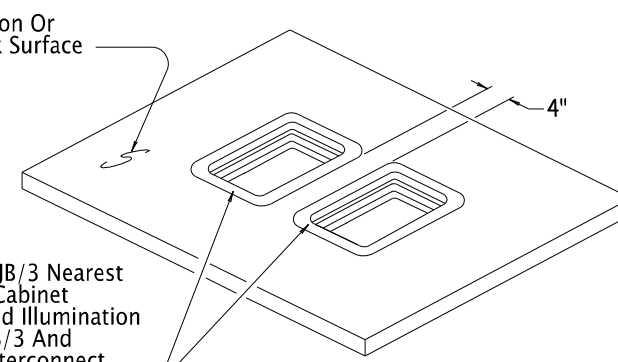
JUNCTION BOX INSTALLATION IN PCC SIDEWALK

(This Detail Only Applicable for Junction Boxes Located In Flat Areas Of Sidewalks. Do Not Install In Slopes Of Ramps Or Driveways)



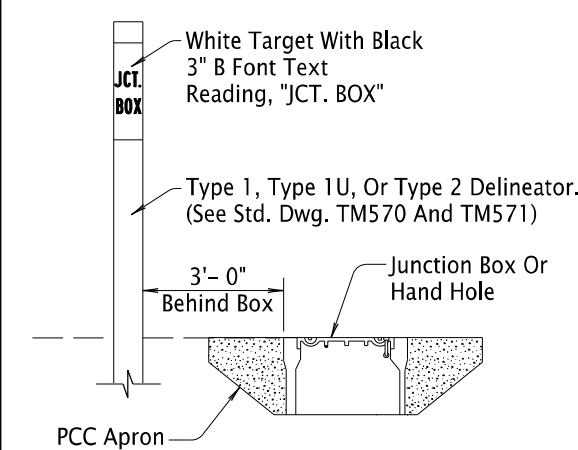
JUNCTION BOX INSTALLATION IN UNSURFACED AREA

(This Detail Only Applicable for Junction Boxes Located In Incidental Travel Areas; Gravel Shoulders, Behind Guardrail, Etc. Do Not Install In Travel Lanes, Paved Shoulders, Or Other Areas Exposed To Traffic.)



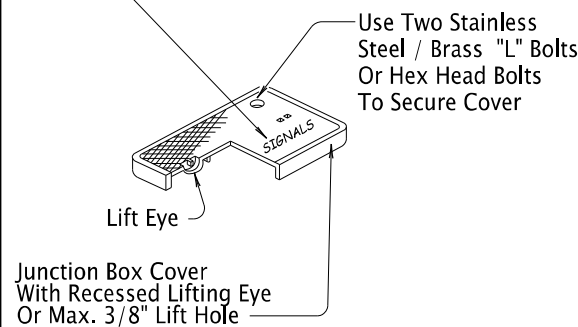
In The Tandem JB/3 Nearest The Controller Cabinet Install Signal And Illumination Wiring In One JB/3 And Detector And Interconnect Cables In The Other JB/3

TANDEM JB/3A JUNCTION BOX DETAILS

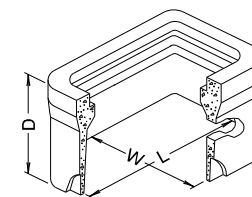


DELINEATION OF JUNCTION BOX & HAND HOLE IN UNSURFACED AREA

Cover To Be Marked "SIGNALS" For Traffic Signal, "ILLUMINATION" For Illumination, Or "ELECTRICAL" For ITS/Misc. Electrical Systems (Letter Height 1" Min.)



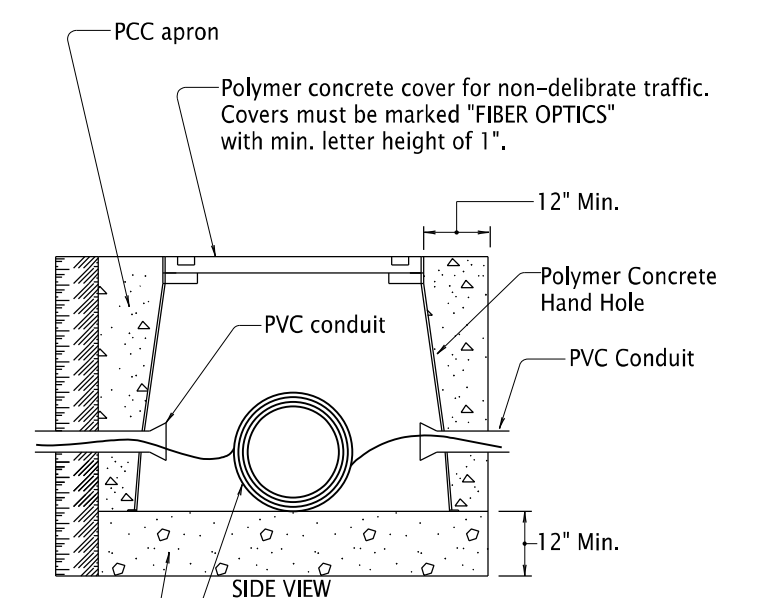
JUNCTION BOX COVER DETAILS



Type*	L	W	D
JB1	17"	10"	12"
JB2	22"	12"	12"
JB3	30"	17"	12"
HH-1	24"	30"	24"
HH-2	30"	48"	24"
HH-3	30"	48"	36"

*Junction Box Or Handhole Type As Shown On Plans

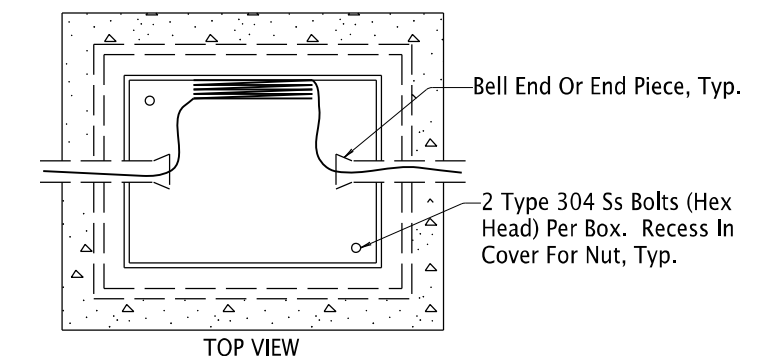
DIMENSION TABLE



SIDE VIEW

Coil 50'-0" minimum of slack fiber optic cable in handholes. Take care not to pinch the fiber optic cable when installing handhole lid.

3/4" - 0" Crushed Rock (See Note 4)



FIBER OPTIC CABLE HAND HOLE INSTALLATION

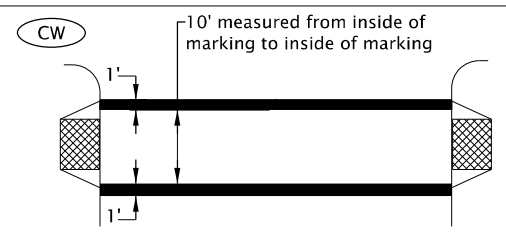
GENERAL NOTES:

1. Install Top of Junction Box And Hand Hole Flush With The Sidewalk, Surrounding Grade, Or Top Of Curb. For Hand Holes Installed In The Roadway Or Shoulder, Leave The Top Of The Hand Hole 1/2" Below The Pavement Surface.
2. Install Junction Boxes And Hand Holes At The Approximate Locations Shown, Or If Not Shown, No More Than 300 Feet Apart For Junction Boxes And No More Than 1000 Feet Apart For Hand Holes.
3. More Junction Boxes And Hand Holes Than Specified May Be Installed To Facilitate The Work At The Option And Cost Of The Contractor
4. Use Materials According To 00640.10 and 00640.16. Use Compaction Equipment Suitable For Area And Compact Each Six Inch Layer With Sufficient Coverages To Produce A Firm Unyielding Surface. Do Not Install Conductors Until Surface Has Been Constructed.

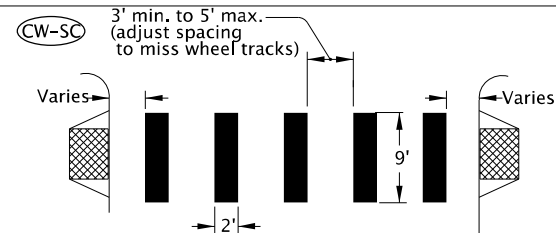
TM472

CALC. BOOK NO. _ N/A _		SDR REPORT DATE _ 8-Jul-2022 _	
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications			
OREGON STANDARD DRAWINGS			
JUNCTION BOXES/ HAND HOLES			
2021			
DATE	REVISION DESCRIPTION		
7/22	Added new marking (ILLUMINATION & ELECTRICAL) for JB cover		

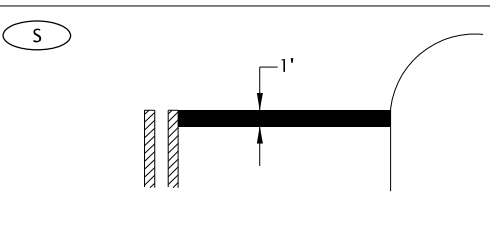
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.



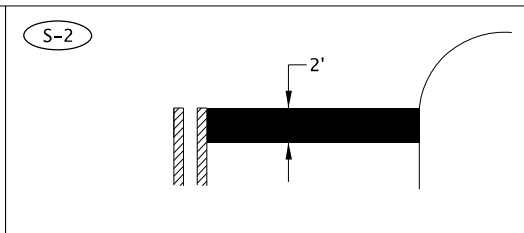
**STANDARD CROSSWALK
TWO 1' WHITE BARS**
Install per Standard Drawing TM530



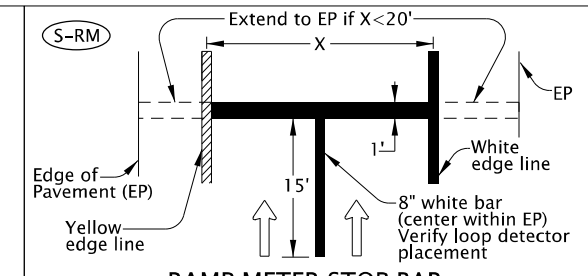
**STAGGERED CONTINENTAL CROSSWALK
2' WHITE BARS**
Install per Standard Drawing TM530



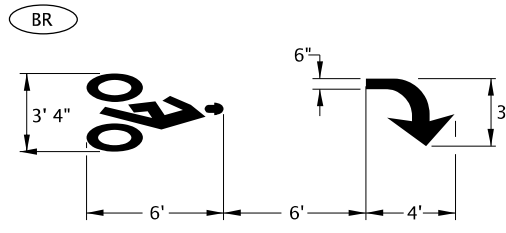
**STOP BAR
1' WHITE BAR**
Install per Standard Drawing TM530



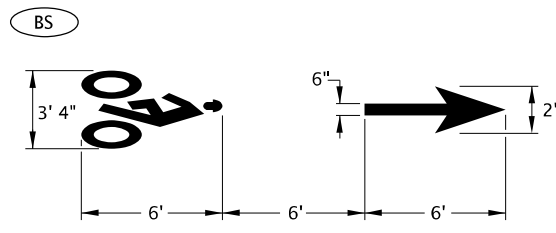
**STOP BAR - LARGE
2' WHITE BAR**
Install per Standard Drawing TM530



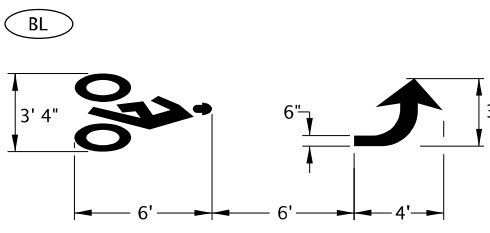
**RAMP METER STOP BAR
1' & 8" WHITE BARS**
For multi-lane ramp meter applications



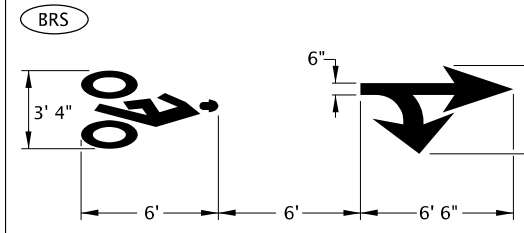
BIKE RIGHT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



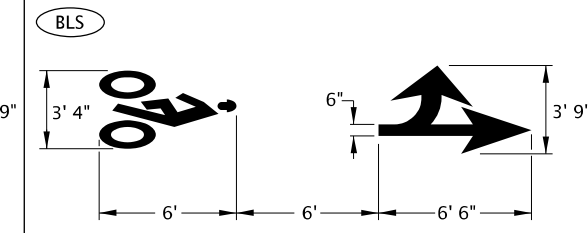
BIKE LANE STANDARD STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



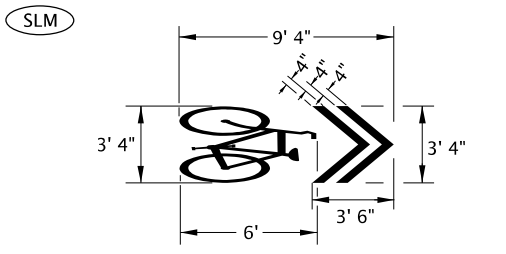
BIKE LEFT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



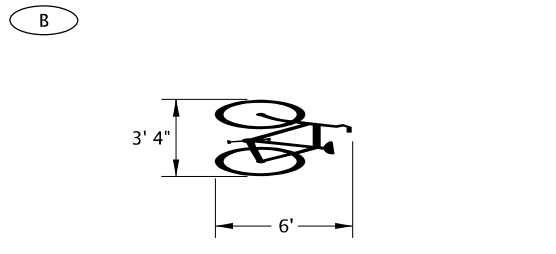
BIKE RIGHT TURN STRAIGHT STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



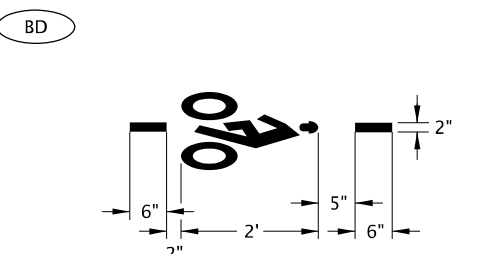
BIKE LEFT TURN STRAIGHT STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



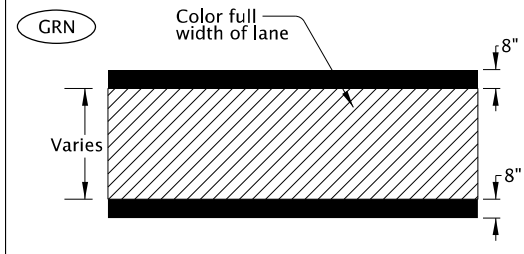
SHARED LANE MARKING (white)
Center marking within lane width or as shown
For proportion details, see current version of Standard Highway Signs



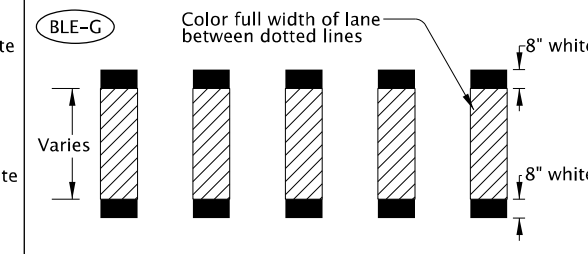
BIKE STENCIL (white)
Used for Intersection Bicycle Box applications
Place marking within bicycle box, centered with motor vehicle lane width



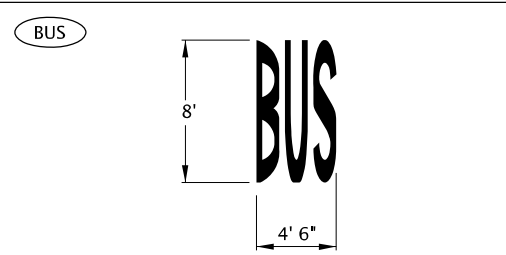
BICYCLE DETECTOR MARKING (white)
Place Bicycle Detector Pavement Marking in optimum location where bicycle acuates the traffic signal



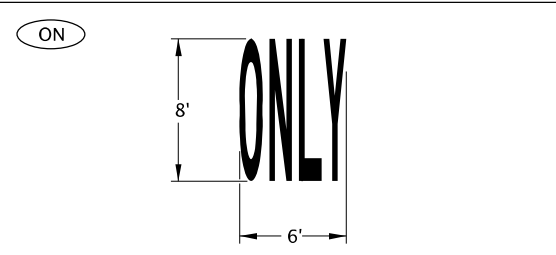
**GREEN SUPPLEMENTAL BICYCLE LANE
SOLID LINE (green)**



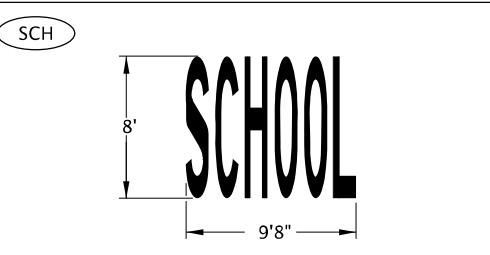
**GREEN SUPPLEMENTAL BICYCLE LANE
DOTTED LINE EXTENSION (green)**



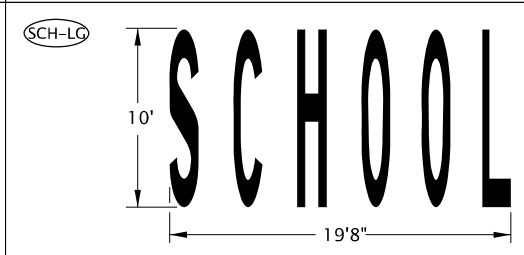
BUS (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



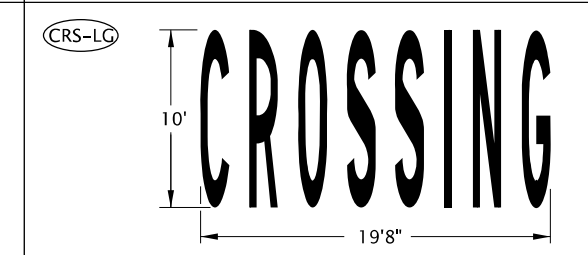
ONLY (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



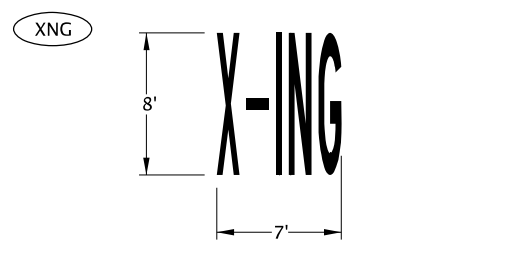
SCHOOL (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



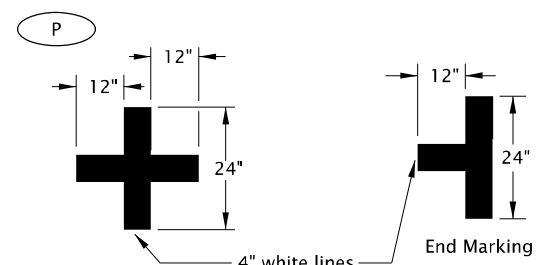
SCHOOL - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs



CROSSING - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs



X-ING (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



ON-STREET PARKING DETAIL (white)

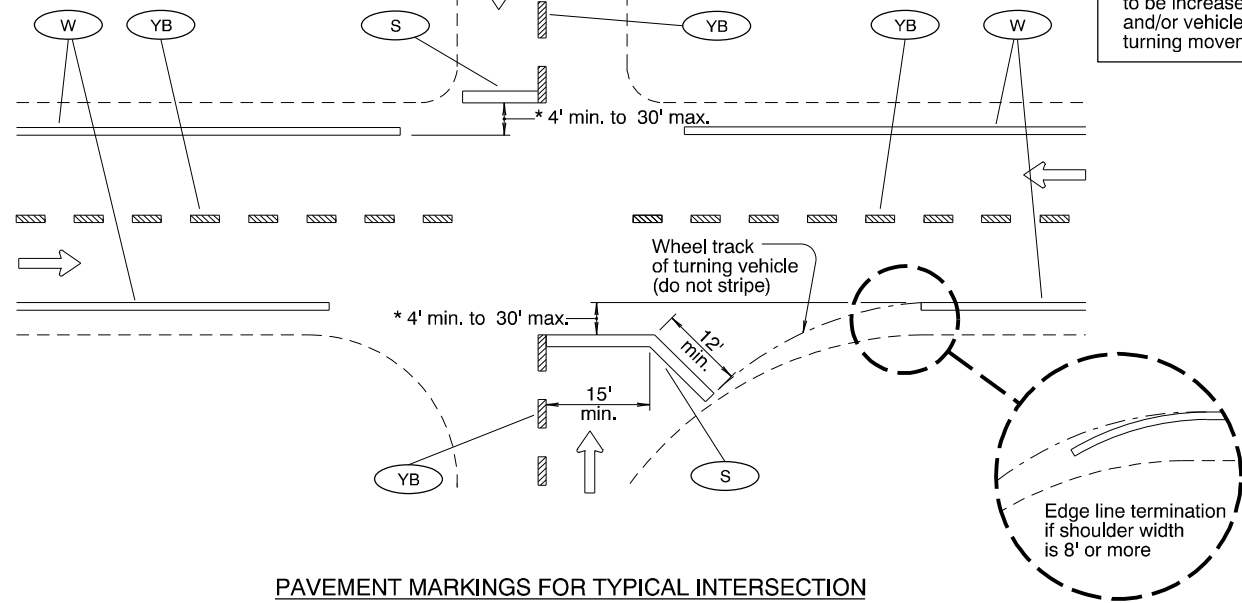
General Note:
1. Arrow, letter, and bike symbol dimensions nominal.

LEGEND
← Direction of Travel

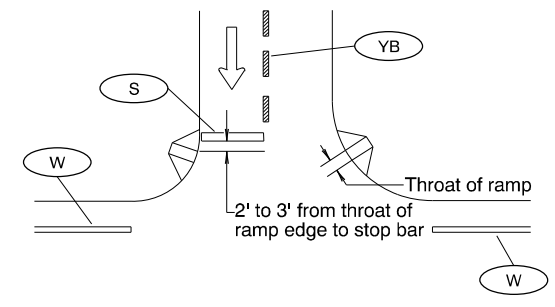
CALC. BOOK NO. _ _ N/A _ _ _ _ _
SDR DATE _ _ 07/08/2022 _ _ _ _ _
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.
OREGON STANDARD DRAWINGS
**PAVEMENT MARKING
STANDARD DETAIL BLOCKS**
2021
DATE REVISION DESCRIPTION
07/2022 Added note for measurement of Standard Crosswalk

TM503

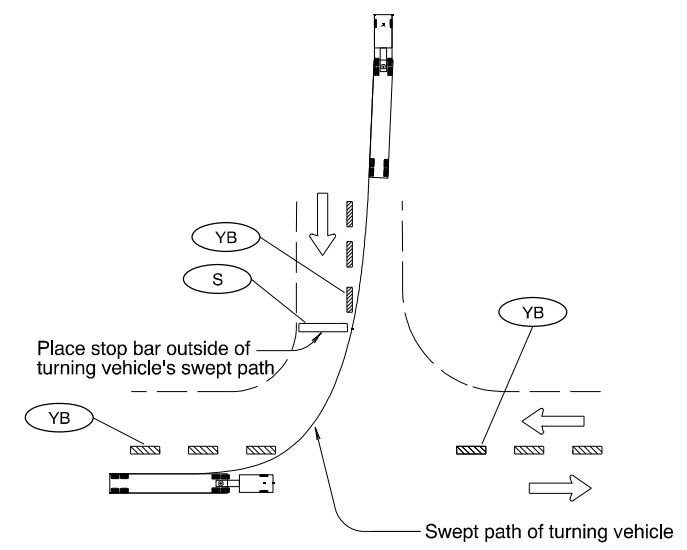
* Stop bar shall be placed as near as possible to the intersecting traveled way. Locate stop bar 4' min. to 30' max. in advance of the extended fog line, edge of pavement, or curb face. Minimum stop bar distance may need to be increased, depending on location of pedestrian ramps (see Detail "A") and/or vehicle turn radii (see Detail "B"). Field verify sight distance and truck turning movements.



PAVEMENT MARKINGS FOR TYPICAL INTERSECTION

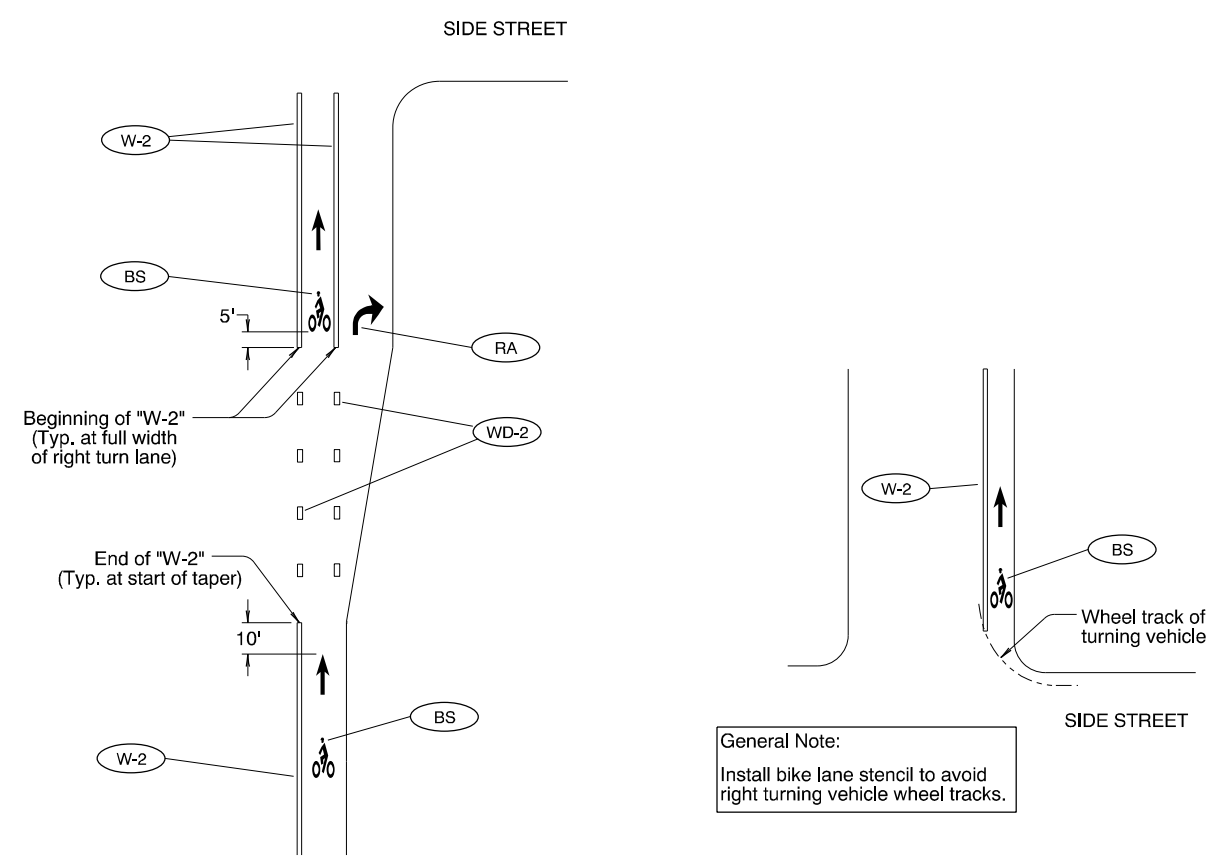


Detail "A"
STOP BAR PLACEMENT WITH RESPECT TO PEDESTRIAN RAMP

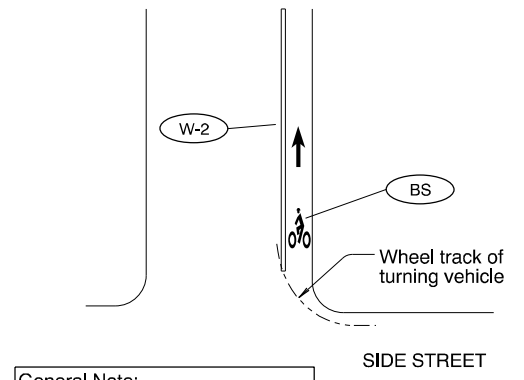


Detail "B"
STOP BAR PLACEMENT WITH RESPECT TO TURN RADI

TM530.dgn 7-06-2022



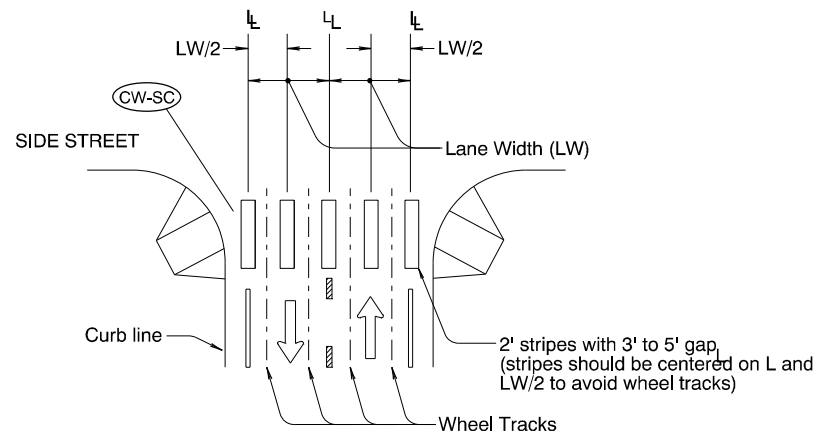
INSTALLATION OF BIKE LANE STENCILS FOR BIKE LANE SEPARATED BY RIGHT TURN LANE



General Note:
Install bike lane stencil to avoid right turning vehicle wheel tracks.

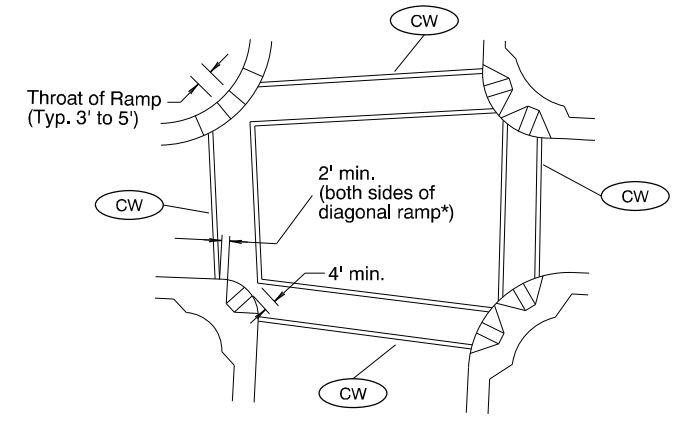
INSTALLATION OF BIKE LANE STENCILS FOLLOWING INTERSECTIONS

TM530



STAGGERED CONTINENTAL LAYOUT

General Note:
1. Install crosswalk bars such that the throat of the ADA ramp is entirely within crosswalk markings, or 5' back of extended fog line, edge of pavement, or curb face.



STANDARD CROSSWALK BARS AT INTERSECTION

* = Refer to Std Dwg RD916

To be accompanied by Standard Dwg. Nos. TM500 thru TM504

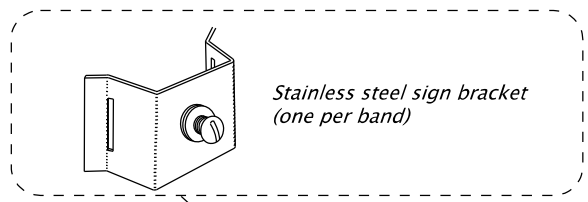
CALC. BOOK NO. <u> N/A </u>	SDR DATE <u> July 06, 2022 </u>
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR & BIKE LANE STENCIL)	
2021	
DATE	REVISION DESCRIPTION
7/06/22	Added Roadway Standard Drawing reference to detail for clarity

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

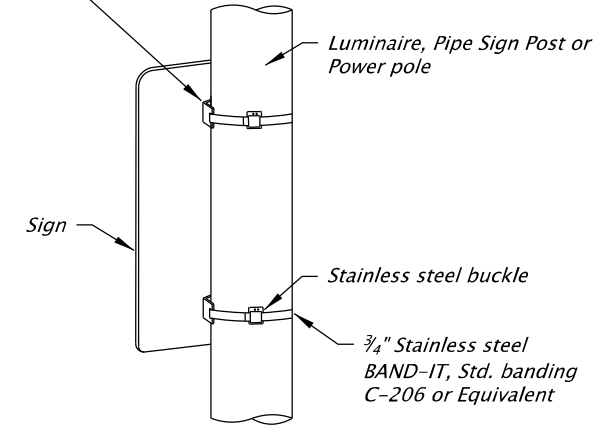
LEGEND
← Direction of Travel
L - Lane line dimensions are shown on the striping plans

tm677.dgn 10-JUL-2020

TM677



Stainless steel sign bracket
(one per band)



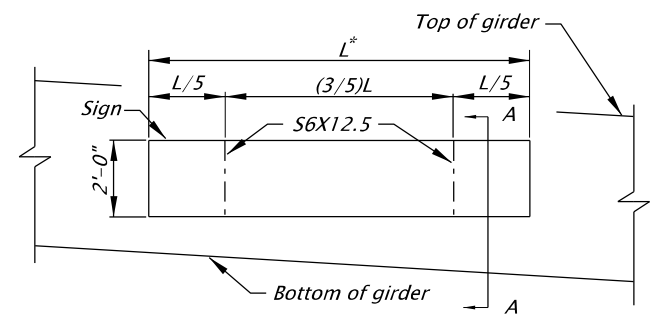
Signs mounted to vertical posts that use stainless steel clamps shall not be wider than 36". Use 2 clamps for all signs less than 48" in height and 3 clamps for signs 48" to 60" in height.

STAINLESS STEEL CLAMP (SSC) DETAIL

No Scale

GENERAL NOTES

- 1. For Secondary Sign Mounts See TM678.

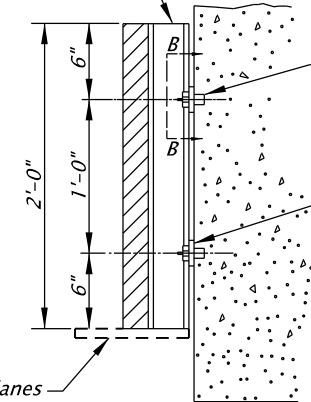


* - L maximum is 14'-0".

SIGN ELEVATION

No Scale

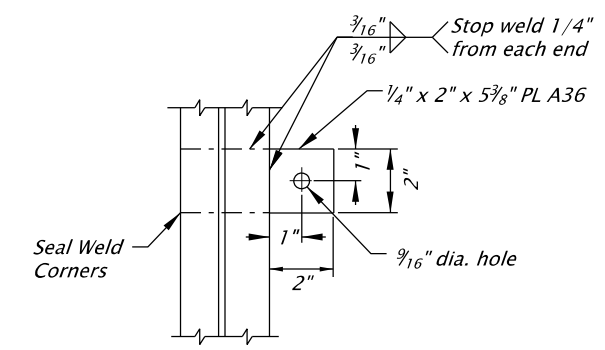
S6X12.5 - A36
Hot Dipped Galvanized



SECTION A-A

No Scale

Signs mounted over travel lanes shall use the SIGN SUPPORT BRACKET DETAIL shown on TM618



SECTION B-B

No Scale

Notes:

- 1. Install resin bonded anchors according to Section 00535.
- 2. Resin bonded anchors shall conform to ASTM A307.
- 3. The hole depths shall develop the pullout strength specified in Table 00535-1.
- 4. Tighten 1/2" dia. anchors using 16 ft-lb of torque for waxed galvanized and 40 ft-lb of torque for galvanized only connections.

ROAD NAME SIGN STRUCTURE MOUNT DETAIL

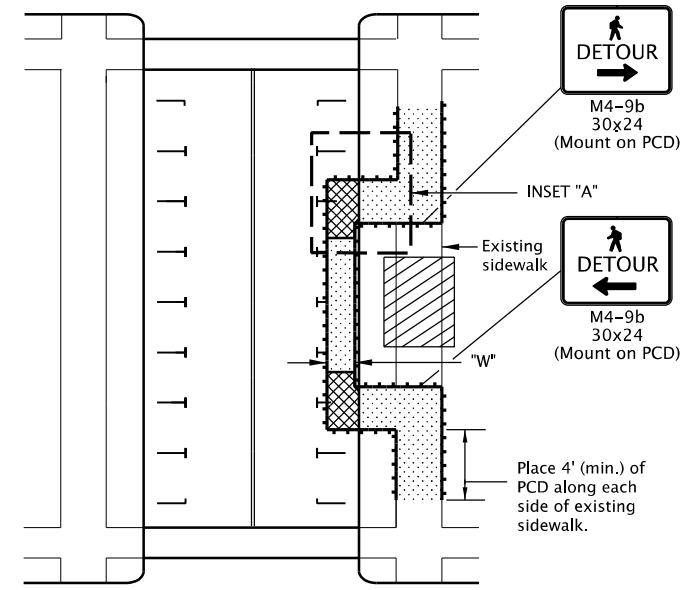
CALC. BOOK NO. _____	SDR DATE <u>06-JUL-2015</u>
<p>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications
	OREGON STANDARD DRAWINGS
	SIGN MOUNTS
	2021
DATE	REVISION DESCRIPTION

Effective Date: December 1, 2022 – May 31, 2023

TM677

tm844.dgn 04-JAN-2022

TM844



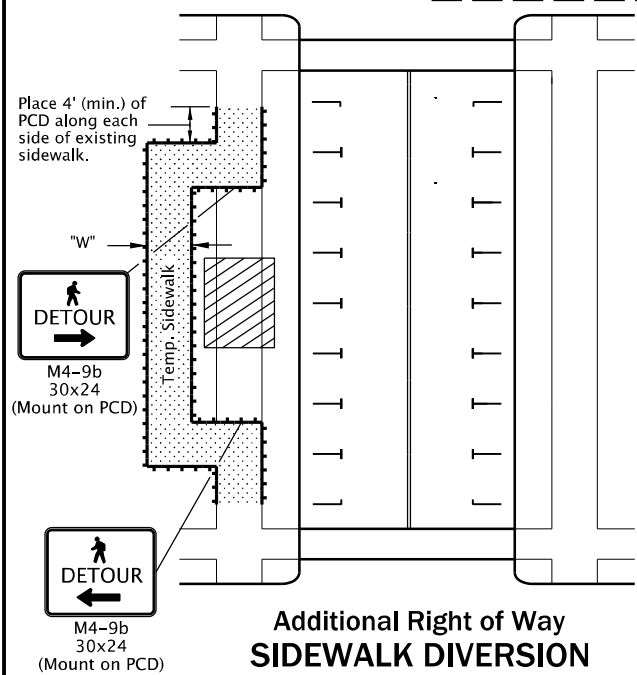
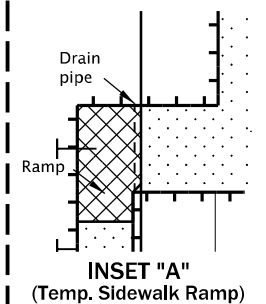
**Within Roadway
SIDEWALK DIVERSION**

NOTES:

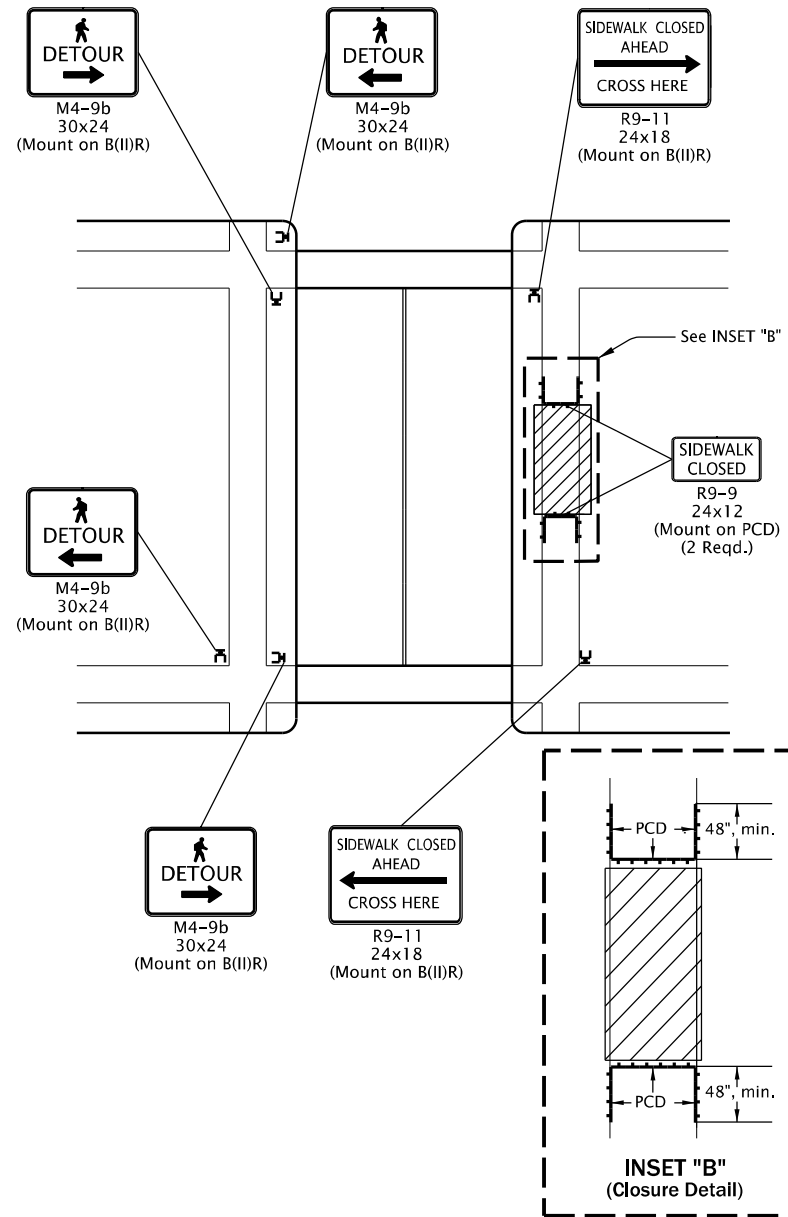
- Place or construct temp. sidewalk ramp, as needed.
- For roadways with a pre-construction posted speed of 40 mph or less.
- See inset "A" for Temp. Sidewalk Ramp details.
- "W" = 60", or, where 60" width cannot be maintained through the entire route, provide 48" min. width with 60" x 60" passing spaces every 200 ft.
- Use temporary ADA compliant surfaces to cross planter strips or other non-traversable surfaces.

NOTES:

- Ramp size will vary. Ramp must meet ADA requirements incl. max. finished surf. slope of 8.3% and max. finished cross slope of 2.0%.



**Additional Right of Way
SIDEWALK DIVERSION**

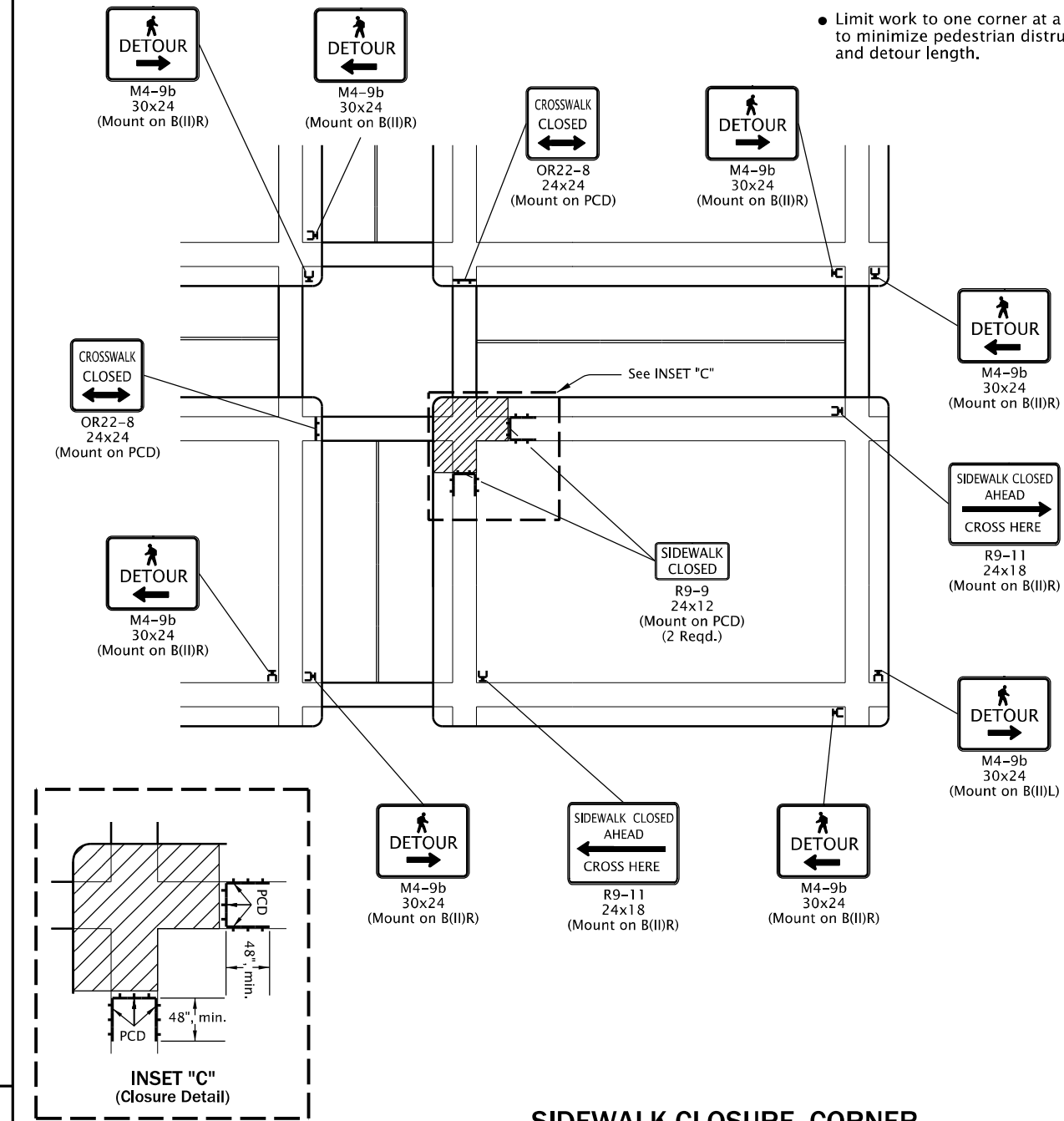


SIDEWALK CLOSURE, MIDBLOCK

GENERAL NOTES FOR ALL DETAILS:

- When closing or relocating crosswalks or other pedestrian facilities provide ADA compliant facilities. Include accessibility features consistent with existing pedestrian facilities by providing adequate slope transitions and surfacing.
- Provide non-slip, 60 inch minimum wide surface through entire pedestrian route. If not possible, provide 48" min. width with 60" x 60" passing spaces every 200 feet along the route.
- Only TCD for pedestrians are shown. Other devices may be necessary to control vehicular traffic.
- Stage work, as necessary, to provide a temporary pedestrian access route at all times. For roadways with no available detours, maintain one open sidewalk at all times.
- Minimize pedestrian out-of-direction travel.
- To be accompanied by Dwg. Nos. TM820 & TM821.

- UNDER PEDESTRIAN TRAFFIC
- UNDER CONSTRUCTION
- PEDESTRIAN CHANNELIZING DEVICE (PCD)



SIDEWALK CLOSURE, CORNER

NOTE:

- Limit work to one corner at a time to minimize pedestrian disruption and detour length.

CALC. BOOK NO. _____ N/A _____ SDR DATE _____ 04-JAN-2022 _____

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

**OREGON STANDARD DRAWINGS
TEMPORARY PEDESTRIAN
ACCESSIBLE ROUTES**

2021

DATE	REVISION DESCRIPTION
01/01/22	Revised note for temporary sidewalk ramp.