



SUPERIOR

W I S C O N S I N

Living up to our name.

CONTRACT VOLUME &
BIDDING DOCUMENT- 2022

**Tower Avenue,
Belknap Street,
and Bong Roundabout
Maintenance**

CITY OF SUPERIOR, WISCONSIN

Linda M. Cadotte

Parks, Recreation & Forestry Director

Bid #22-09-PRF

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1. ADVERTISEMENT TO BID

Tower Avenue, Belknap Street and Bong Roundabout Maintenance

Sealed bids will be received by the City of Superior, at 1316 North 14th Street - 2nd Floor, Suite 200, Attn: Contract Analyst, Superior, WI 54880. Bids will be publicly opened and read aloud in the City offices as follows:

Bid Opening: **Tuesday, March 1, 2022 at 2:30 PM**

Bid Project: The City of Superior, Wisconsin is seeking bids from qualified contractors to provide streetscape maintenance for portions of Tower Avenue, Belknap Street and the Bong Bridge Roundabout. Work is generally described as landscape maintenance, trash removal, and installation and removal of holiday tree lighting. The work areas include:

- **Tower Avenue Streetscape Improvement Corridor** - Belknap Street to North 3rd and side streets east and west to extents of improved streetscape. Area as indicated on map attached.
- **Belknap Street Streetscape Improvement Corridor** - Oakes Avenue to Hill Avenue and side streets north and south to extents of improved streetscape. Area as indicated on map attached.
- **Bong Bridge Entrance Roundabout** – circle area at the center of the roundabout. Area as indicated on map attached to the RFP.

Further detail regarding scope can be found at *14.2 Description of work* in the RFP document.

Contract Terms: One year Contract for the period starting April 1st, 2022 to March 31st, 2023. There may be an option to extend to a three-year contract after successful completion of initial contract and at the discretion of the Contractor and the City of Superior. There will be a pre-bid meeting February 17, 2022.

All bids must be prepared on the form provided and submitted in accordance to the Instructions to Bidder.

Specifications may be obtained through the internet at www.DemandStar.com via the City of Superior's web page, or by phoning DemandStar at 1-800-711-1712. Bidding documents may be viewed at the City of Superior, Government Center, 1316 North 14th Street - 2nd Floor, Superior, Wisconsin (darwinj@ci.superior.wi.us), the Minnesota Builders Exchange (mbex.com) and the Builders Exchange of Wisconsin (bxwi.com).

The contractor shall submit a list of its subcontractors as a part of its proposal, which list shall not be added to or altered without the written consent of the City of Superior, and as specified in 66.0901 Wisconsin Statutes.

The City of Superior encourages the participation of women and minority owned businesses. The City of Superior reserves the right to reject any or all bids, to waive irregularities, or to accept such bids, as in the opinion of the City, will be in its best interests.

Linda M. Cadotte

Parks, Recreation & Forestry Director

Daily Telegram: Friday, February 4, 2022 and Friday, February 11, 2022

2. INSTRUCTIONS TO BIDDERS

- 2.1 Questions regarding this bid may be directed to the City of Superior as follows:
Bidding documents: Jane Darwin, Contract Analyst, darwinj@ci.superior.wi.us.
- 2.2 Method of Bidding: The only acceptable method of bidding a contract with the City of Superior, Wisconsin, is described as follows and must be strictly complied with. The City of Superior reserves the right to determine the low Bidder on the basis of the Base Bid alone or the Base Bid plus any alternates or combinations of alternates, at the City's discretion. Bids shall be valid for 90 days.
- 2.3 Bid Packet Components: Each item listed must be included with the bid submission:
- a) Bidders must file a **PROPOSAL OR BID** on the form the City has prepared. (See BID PROPOSAL Section 3.) Bids shall be valid for 90 days.
 - b) Bidders shall be required to submit a list of **SUBCONTRACTORS AND SUPPLIERS** with their proposal in accordance with Section 66.0901(7), Wisconsin Statutes, and subsequent amendments. Such list shall not be added to nor altered without the written consent of the City of Superior. (See SUBCONTRACTORS AND SUPPLIERS LISTING Section 4.)
 - c) Bidders shall be required to submit an **ADDENDA ACKNOWLEDGMENT** with their proposal. Such acknowledgment shall note acknowledgment of receipt of any and all addenda. If no addenda were issued, the bidder shall so indicate and sign document. (See ADDENDA ACKNOWLEDGMENT Section 5.)
 - d) The bidder must file, at the time of the opening of the bids, either a **BID BOND or a certified check in the amount of at least five percent (5%)** of the total bid, conditioned that if the bidder is successful bidder will, within the time allotted by the City, file a properly executed contract and performance bond as per Wisconsin Statutes 62.15(3). (See BID BOND Section 6.)
 - e) The bid proposal must have attached to it the **BIDDER'S PROOF OF RESPONSIBILITY** identifying the bidder's qualifications. (See BIDDER'S PROOF OF RESPONSIBILITY Section 7.). Prospective bidders are required to furnish a statement of financial ability, equipment and experience in the work prescribed in said public contract in accordance with the provisions of Section 66.0901(2) of the Wisconsin Statutes at the time of the opening of the bids. The object of the questionnaire and the pre-qualification of bidders are to enable the City to have sufficient information regarding financial ability, equipment and experience in order to reduce the hazards involved in awarding contracts to parties not qualified to perform them and to select those contractors qualified to properly complete the work proposed.
 - f) The bid proposal must have attached to it the **AFFIDAVIT OF ORGANIZATION AND AUTHORITY** identifying a corporation, partnership or sole trader. The affidavit

must contain a sworn statement that the bidder has examined and carefully prepared the proposal from the plans and specifications and has checked the same in detail per Section 66.0901 (7), Wisconsin Statutes. (See AFFIDAVIT OF ORGANIZATION & AUTHORITY Section 8.)

- g) The bid proposal must have attached to it the **AFFIDAVIT OF COMPLIANCE** swearing the compliance with the criteria set forth in the Responsible Contractor Criteria in the City Code of Ordinances, Chapter 2, Article XII from the Contractor and all sub-contractors. (See AFFIDAVIT OF COMPLIANCE Section 8).
- h) The bid proposal packet shall be placed in an envelope and shall be sealed. **ON THE ENVELOPE SHALL BE**, plainly written: the **date of the bid opening**, the **title of the project** and the **name of the bidder**. Such envelope shall be addressed and delivered to: The City of Superior, Attn: Contract Analyst, 1316 North 14th Street - 2nd Floor, Suite 200, Superior, Wisconsin, before the time and date specified for opening bids as listed on the Advertisement to Bid.
- i) Wisconsin's Public Records Law creates a statutory presumption in favor of complete access to public records and the City of Superior endeavors always to conduct its municipal affairs in strict compliance with Wisconsin Statutes §§ 19.31-19.39. Any entities or individuals who submit materials to the City of Superior in response to this request should avoid submittal of any proprietary information.

2.4 Work Site and Contract Document Examination: Bidders must satisfy themselves, by examination of the contract documents, the work site and the conditions and obstacles to be encountered in the field, and by such other means as may be necessary, as to the accuracy of the schedule of quantities of the work to be done and the intent of said contract documents. After the submission of the proposal, no complaint or claim that there was any misunderstanding as to the quantities, conditions or nature of the work will be entertained and no extra compensation shall be allowed by reason of any matter or thing concerning which such bidder might have informed himself prior to the bidding.

Upon award of bid, the Contractor must execute the required Performance and Payment Bond in the total amount of the bid. (see PERFORMANCE AND PAYMENT BOND Section 11.)

2.5 Time of Performance: When not otherwise specified, the bidder must state in the proposal, the least number of calendar days (counting weekends and holidays), after date to commence work given in the Notice to Proceed, in which bidder will start construction and the number of calendar days (counting weekends and holidays), after date to commence work given in the Notice to Proceed, in which bidder will fully complete the work as specified. The bidder should make due allowance for all probable difficulties

which may be encountered. In the event of failure to complete the work within the time stated or otherwise specified, liquidated damages will be assessed as provided in the specifications.

- 2.6 Quantities: The estimated quantities of the work are the result of careful calculations but are not to be considered as final. Such estimates will be used as a basis for determining the lowest bidder. After the contract is awarded, the quantity of work listed under any item, or all items, may be increased or decreased according to the specifications at the discretion of the City of Superior without in any way invalidating the bid price (see CONTRACT CHANGE ORDER Section 15).
- 2.7 Bid Prices: Bidders must submit a bid price, in accordance with the specifications, for each item of the job or branch, in compliance with the bidding units specified for the quantities listed in the proposal. Bid prices must be written out in words and also entered in figures. In case of conflict, the written word prices will prevail. Totals must be shown based on unit cost and quantity. In case figures do not match, the figure resulting in the lower price shall be deemed the price intended and applicable.
- 2.8 Inadequacies and Omissions: The City of Superior will not be responsible for verbal information or statements made by representatives of the Engineering Department, or any other department for which work will be performed. Bidders shall bring any inadequacies, omissions or conflicts to the attention of the City of Superior before the due date for bids. Prompt written clarification will be immediately supplied to all bidders by Addenda before the due date for bids and each Addendum shall be acknowledged on the Addenda Acknowledgment form. Failure to so request clarification of any inadequacy, omission or conflict will not relieve the Contractor of responsibility.
- 2.9 No Double Bidding: Two (2) or more proposals under different names will not be accepted from one firm or association.
- 2.10 Partial Bidding: Bidders must quote on all items appearing on the bid forms unless specific directions in the advertisement, on the bid form, or in the special specifications allow for partial bids. Failure to quote on all items, unless specifically exempted as set forth above, shall disqualify the bid. When quotations on all items are not required, bidders shall insert the words "no bid" where appropriate.
- 2.11 Right of Waiver or Rejection: The City reserves the right to reject any or all bids or waive any defects found in bids or proposals submitted.
- 2.12 Wage Rates: This Project is not subject to Prevailing Wage Rates.

- 2.13 Pre-Bid Conference: Thursday, February 17, 2022 at 3:00 PM. You may attend in-person or virtually. In person: City of Superior, 1316 North 14th Street, Room 204, Superior, WI.

Virtual information:

Meeting ID

meet.google.com/fhc-ocjk-wzu



Phone Number

[\(US\)+1 617-675-4444](tel:(US)+16176754444)

PIN: 199 071 476 9132#

Deadline for questions is Monday, February 21, 2022. All questions should be emailed to the City of Superior Contract Analyst at: darwinj@ci.superior.wi.us. The final addendum will be issued by Tuesday, February 22, 2022.

- 2.14 Contract Documents: Upon award of the bid the contract documents will consist of the Advertisement to Bid, Instructions to Bidders, Bid Proposal, Subcontractors & Suppliers Listing, Addenda Acknowledgment, Bid Bond, Bidder's Proof of Responsibility, Affidavit of Organization & Authority, Contract, Affidavit of Compliance(s), Performance and Payment Bond, Certificate of Insurance as required, General Specifications, Special Provisions, and include all other herein bound attachments and modifications thereof incorporated in the documents as prepared by the City of Superior.

3. BID PROPOSAL

Tower Avenue, Belknap Street, and the Bong Roundabout Maintenance

Date _____

City of Superior, Wisconsin

I/we, the undersigned, being familiar with your local conditions, having made a field inspection and investigation that I/we deemed necessary, having studied the plans and specifications for the work and being familiar with all the factors and other conditions affecting the work, are hereto attaching the following documents:

1. Bid Form
2. Subcontractors & Suppliers List (see Section 4.)
3. Addenda Acknowledgment (see Section 5.)
4. Certified check or bid bond equal to five percent (5%) of the total amount bid. (Make check payable to: City of Superior, Wisconsin- see Section 6.)
5. Bidder's Proof of Responsibility (see Section 7.)
6. Affidavit of Organization & Authority (see Section 8.)
7. Affidavit of Compliance (see Section 9.)

I/we, the undersigned, hereby propose to furnish all applicable labor, tools, materials, skills, equipment and all else necessary to execute the work, in accordance with the specifications and are hereby submitting the following bid:

**** SEE NEXT PAGE****

Tower Avenue, Belknap Street, and the Bong Roundabout Streetscape Maintenance		
Item Description	Unit	Cost Per Unit
Tower Avenue		
Spring Perennial Pruning	Lump Sum	\$
Spring Shrub Pruning	Lump Sum	\$
Mulching	Lump Sum	\$
Trash Can Service	Per Can	\$
Litter Pick Up	Lump Sum	\$
Planting Bed Maintenance	One bed maintenance cycle of all the beds	\$
Weed Removal in Hardscape	One weed removal cycle of all the hardscape	\$
Winter Holiday Lighting Street Trees	Per Tree	\$
Winter Holiday Lighting Median Trees	Per Tree	\$
Belknap Street		
Spring perennial Pruning	Lump Sum	\$
Spring Shrub Pruning	Lump Sum	\$
Mulching	Lump Sum	\$
Litter Pick Up	Lump Sum	\$
Planting Bed Maintenance	One bed maintenance cycle of all the beds	\$
Weed Removal in Hardscape	One weed removal cycle of all the hardscape	\$
Bong Roundabout		
Litter Pick Up	Lump Sum	\$
Planting Bed Maintenance	One bed maintenance	\$
Weed Removal in Grass Area	One weed removal cycle	\$

SIGNATURE _____
 TITLE _____
 COMPANY _____
 ADDRESS _____
 PHONE _____
 FAX _____
 E-MAIL ADDRESS _____

4. SUBCONTRACTORS AND SUPPLIERS LISTING -

Must be submitted with Bid.

Tower Avenue, Belknap Street and the Bong Roundabout Maintenance

4.1 The undersigned agrees to employ the following listed **subcontractors** for the following enumerated classes of work and not to alter or add to such list without the written consent of the City of Superior, WI as per Wisconsin Statutes 66.0901 (7). (Use separate sheet as necessary.)

	<u>SUBCONTRACTOR</u>	<u>CLASS OF WORK</u>
1)	_____	_____
2)	_____	_____
3)	_____	_____
4)	_____	_____
5)	_____	_____

4.2 Following is a list of **suppliers** to be used on the above listed project. (Use separate sheet as necessary.)

	<u>SUPPLIER</u>	<u>TYPE OF SUPPLY</u>
1)	_____	_____
2)	_____	_____
3)	_____	_____
4)	_____	_____
5)	_____	_____

Number of years of experience or additional details of subcontractors, supplier or product may be requested for projects as deemed necessary by the City.

Submitted by: COMPANY _____
ADDRESS _____
COMPANY REPRESENTATIVE _____

5. ADDENDA ACKNOWLEDGMENT (Must be submitted with Bid)

Tower Avenue, Belknap Street and the Bong Roundabout Maintenance

I/we hereby acknowledge receipt of the following addenda(s):

Addendum No. _____ Dated _____
Addendum No. _____ Dated _____
Addendum No. _____ Dated _____
Addendum No. _____ Dated _____

I/we further certify that no agreement has been entered into to prevent competition for said work and that I/we carefully examined the site where the work is to take place, and the plans, specifications, form of contract, bond and all other contract documents.

I/we further agree to enter into the contract, as provided in the contract documents, under all the terms, conditions and requirements of those documents.

* If no addenda were issued, the bidder shall so indicate and sign this document.

Company

Representative Signature

Date

6. BID BOND - A CERTIFIED CHECK or 5% bid security must be submitted with Bid. **AIA Document A310™ -2010 Bid Bond is the preferred document.**

(Sample)

KNOW ALL MEN BY THESE PRESENTS that, _____
of _____ as principal, and _____,
a corporation organized and existing under the laws and authorized to transact business in the
State of _____ (herein called "surety") as surety are held and firmly bound
unto the City of Superior, Wisconsin, a municipal corporation of the State of Wisconsin, in the
penal sum of _____ dollars (five percent of bid), good and
lawful money of the United States of America, to be paid to the City of Superior, Wisconsin, its
duly authorized attorneys, agents, officers, successors and assigns for which payment, well and
truly be made, we bind ourselves, our heirs, administrators, executors, successors and assigns,
jointly and severally firmly by these presents.

WHEREAS, the above bounden principal has entered into a proposal for a certain written
contract with the City of Superior, Wisconsin, dated on this ____ day of _____,
20____, for the performance of the following work:

NOW THEREFORE, the condition of the above obligation is such that if the above
principal shall file and properly execute the proper contract and performance bond within the
time limited by the City, which shall provide for the doing of such work upon the terms and
conditions of the plans and specifications of the bid, then this obligation is to be void, otherwise
be made and remain in full force and effect.

Company

President

Secretary

WITNESS:

Signed and Sealed in the Presence of:

7. BIDDER'S PROOF OF RESPONSIBILITY (Must be submitted with Bid)

Wisconsin Statutes Section 66.0901 (2) requires anyone submitting a bid to complete a sworn statement consisting of information relating to the financial ability, equipment, experience in the work prescribed in the public contract, and other matters that the municipality requires. The City of Superior shall properly evaluate the statement and shall find the maker of the statement either qualified or unqualified.

If the City is not satisfied with the sufficiency of the answers to the questionnaire and financial statement, it may reject the bid or disregard the same or require additional information.

The contents shall be confidential and may not be disclosed except upon the written order of the person furnishing the statement, for necessary use by the public body in qualifying the person, or in cases of actions against, or by, the person or municipality.

1. Name of bidder: _____
2. Bidder's address: _____
3. When organized: _____
4. Where incorporated: _____
5. How many years have you been engaged in the contracting business under the present firm name: _____
6. Have you ever failed to complete any work awarded to you? No _____ Yes _____
(If yes, please explain)
7. Have you ever defaulted on a contract? No _____ Yes _____
(If yes, please explain.)
8. Have you ever been sued for services you provided? No _____ Yes _____
(If yes, please explain.)
9. In the past three years, has your organization had at least a 25% interest, or has another corporation, partnership or other business entity operating in the construction industry controlled it? No _____ Yes _____
(If yes, please attach a statement explaining the nature of the relationship.)
10. Has your or the controlling company ever been charged with or convicted of a violation of any wage schedule? (Section 66.0903 (12) d Wis Stats) No _____ Yes _____
(If yes, please provide details, date, claimant, particulars of each instance.)
11. Has the applicant, any of its owners, a subsidiary or corporate parent, or any officer or director thereof; been convicted in the last three years of violating Section 133.01, Wisconsin Statutes (Unlawful Contracts; Conspiracies)? No _____ Yes _____
(If yes, please provide details, date claimant, particulars of each incident, etc.)
12. Does your firm have a substance abuse policy that complies with Section 103.503 Wisconsin Statutes? No _____ Yes _____
13. Does your firm possess all valid licenses, registrations and certifications required by federal, state, county or city law necessary for the work it seeks to perform?
No _____ Yes _____
14. Has your organization had any type of business, contracting or trade license, certification

or registration revoked or suspended in the last three years?

No_____ Yes_____ (If yes, please explain.)

15. Does your organization meet all bonding requirements as required by applicable law?
No_____ Yes_____
16. Attach a list of the largest contracts completed by your firm, including kind of work and approximate cost.
17. Attach a statement of background and experience of the principal members of your personnel, including your officers.
18. Name, address and telephone numbers of a minimum of two (2) references of others whom you have performed similar work/services to in the past five (5) years.
19. Credit references - attach as applicable
20. Financial statement (net worth in excess of): \$_____
21. Additional information may be submitted if desired. Attach separate sheets as necessary.

Company Name _____

I, the below signed, attest all answers to the foregoing questions and all statements contained are true and correct.

Authorized Signature _____

PRINT signature name and title _____

Subscribed and sworn to before me,
this _____ day of _____, 2022

Notary Public

County of _____

My Commission Expires

8. AFFIDAVIT OF ORGANIZATION AND AUTHORITY

(Must be submitted with Bid)

STATE OF _____)

) SS

COUNTY OF _____)

_____ being duly sworn on oath deposes and states that the bidder on the attached bid proposal is organized as indicated below and that all statements herein made are made on behalf of such bidder and that this deponent is authorized to make them.

Complete Applicable Paragraphs:

1. CORPORATION

The bidder is a corporation organized and existing under the laws of the State of _____, its president is _____, its secretary is _____, and it does (does not) have a Corporate Seal. The president is authorized to sign construction contracts and bids for the company by action of its board of directors taken _____ a certified copy of which is hereto attached. (Strike out last sentence if not applicable.)

2. PARTNERSHIP

The bidder is a partnership consisting of _____ and _____ partners doing business under the name of: _____

3. SOLE TRADER

The bidder is an individual and if operating under a trade name, such trade name is:

4. ADDRESS

The business address and phone number of bidder is:

5. STATUTORY SWORN STATEMENT

_____ also deposes and states that he has examined and carefully prepared this bid proposal from the plans and specifications and has checked the same in detail before submitting this proposal or bid, and that the statements contained herein are true and correct.

(Authorized Signature)

Subscribed and sworn to before me,
this _____ day of _____, 2022

Notary Public

County of _____
My Commission Expires _____

ORDINANCE #O20-4178

**ORDINANCE INTRODUCED BY MAYOR JIM PAINE REPEALING SECTION 2,
ARTICLE XII PUBLIC WORKS PROJECTS AND RECREATING SECTION 2,
ARTICLE XII RESPONSIBLE CONTRACTOR CRITERIA**

The Common Council of the City of Superior, Wisconsin, does ordain as follows:

SECTION 1. Chapter 2, Article XII, Public Works Projects of the City Code of Ordinances is hereby repealed and recreated as follows:

ARTICLE XII. RESPONSIBLE CONTRACTOR CRITERIA

Section 2-468. Purpose. Pursuant to Wis. Stats. § 66.0901, whenever the city lets public work by contract, the contract must be awarded to the lowest qualified responsible contractor. What constitutes a qualified responsible contractor is a determination that requires the exercise of discretion by the city and its departments, officials or employees under reasonably consistent responsible contractor criteria when exercising its discretion.

Section 2 -469. Definitions. In this section, the following definitions shall apply.

“Contractor” means a person, corporation, partnership or any other business entity that performs work on a public works contract as a general contractor, prime contractor or subcontractor at any tier.

“Apprenticeship program” means an apprenticeship program that is currently approved by the U.S. Department of Labor or a state apprenticeship agency and has graduated apprentices to journeyman status for three years.

“Public works contract” means a contract for the construction, alteration, execution, repair, remodeling or improvement of a public work or building, where the contract is in excess of \$25,000 and is required to be bid pursuant to Wis. Stats. § 59.52(29).

“Qualified contractor (Bidder)” means a person, corporation, partnership or any other business entity that meets the requirements specified in this ordinance as well as the criteria specified in Wis. Stats. 16.855 (9m) (b) (1) (a & b)

Section 2-470 Responsible Contractor Criteria. In order to be a qualified responsible contractor for purposes of being awarded a public works contract, the contractor must meet the following criteria.

- a) The contractor maintains a permanent place of business.

- b) The contractor is authorized to do business in the State of Wisconsin.
- c) The contractor, or agent, partner, employee or officer of the contractor, is not debarred, suspended, proposed for debarment or declared ineligible from contracting with any unit of federal, state or local government.
- d) The contractor is in compliance with provisions of Section 2000e of Chapter 21, Title 42 of the United States Code and Federal Executive Order No. 11246 as amended by Executive Order No. 11375 (known as the Equal Opportunity Employer provisions).
- e) The contractor has general liability, workers' compensation, automobile insurance and unemployment insurance.
- f) The contractor has complied with all provisions of any prevailing wage laws and federal Davis-Bacon related Acts, and the rules and regulations therein, for projects undertaken by the contractor that are covered by these laws, for the past five (5) years.
- g) The contractor participates in an apprenticeship program as referred in section 2-46 9, if the contractor employs more than two (2) employees.
- h) The contractor has a written substance abuse prevention program meeting the requirements of Wis. Stat. §103.503.
- i) The employees who will perform work on the project are properly classified as employees or independent contractors under all applicable state and federal laws.
- j) The contractor has not been the subject to any investigation, order or judgement regarding the construction industry from a state or federal agency or court concerning an employment practice, including but not limited to, classification of employees, unemployment insurance, discrimination or payroll fraud. If the contractor has been the subject of any of the aforementioned, the contractor must provide copies of the investigation, order or judgement and may be disqualified.
- k) The contractor's employees who will perform work on the project are:
 - 1) Covered under a current workers' compensation policy; and properly classified under such policy.
 - 2) Covered under a current health insurance policy as required by federal or state law.
- l) The contractor possesses all applicable professional and trade licenses required for performing the public works.

- m) The contractor has adequate financial resources to complete the public works contract, as well as all other work the bidder is presently under contract to complete.
- n) The contractor is bondable for the terms of the proposed public works contract.
- o) The contractor has a record of meeting the criteria which will be considered in determining satisfactory completion of projects and may include, but are not limited to:
 - 1) Completion of contracts in accordance with drawings and specifications;
 - 2) Diligent execution of the work and completed contracts according to the established time schedules unless extensions are granted by the owner; and
 - 3) Fulfilled guarantee requirements of the contract documents.
- p) The contractor has, and diligently maintains, a written safety program.

Section 2-471.No Restriction on Discretion. If information other than what was disclosed by the contractor in section 2-470 is discovered by the city or the department, official or employee responsible for awarding the public works contract, and such information calls into question the contractor’s abilities or competence to faithfully and responsibly comply with the terms of a public works contract, that information shall be considered in determining whether the contractor is a qualified responsible contractor.

Section 2-472. Affidavit of Compliance.

In the event a construction management company is to administer the said contract with general contractors, prime contractors or subcontractors of any tier, the construction management firm shall ensure all the rules and regulations contained in this Responsible Contractors Ordinance are followed by all contractors of any tier.

The general, prime contractor, or sub-contractor of any tier bidding on a public works project must include in its sealed bid:

- a) **Its own affidavit swearing compliance with the criteria set forth in section 2-470 on the form required by city; and**
- b) An affidavit swearing compliance with the criteria set forth in [section 2-470](#) on the form required by the city from every subcontractor at any tier who will perform work on the project.

[Failure to submit the required affidavit, or providing incorrect, false, or misleading information may disqualify the contractor’s bid.](#)

SECTION 2. All ordinances and parts of ordinances conflicting with this ordinance are hereby repealed.

SECTION 3. This ordinance shall be in full force and effect from and after its passage and publication.

10. CONTRACT (to be finalized after the bid)

Tower Avenue, Belknap Street and the Bong Roundabout Maintenance

10.1 Preamble

This contract made this ___ day of ____, 2022, by and between _____, a _____ corporation, herein called "Contractor", and the City of Superior, a municipal Corporation, located in Douglas County, Wisconsin, herein called "Owner".

WITNESSETH, that the Contractor and Owner for the consideration stated herein, agree as follows:

10.2 Article I - Scope of Work

The Contractor shall perform everything required to be performed and shall provide and furnish all the applicable labor, materials, equipment, necessary tools, expendable equipment, insurance provided by the specifications, contributions to social security and all utility and transportation services required to perform and complete in a workmanlike manner the following work:

Bid Project: The City of Superior, Wisconsin is seeking bids from qualified contractors to provide streetscape maintenance for portions of Tower Avenue, Belknap Street and the Bong Roundabout. Work is generally described as landscape maintenance, trash removal, and installation and removal of holiday tree lighting. The work areas include:

- **Tower Avenue Streetscape Improvement Corridor** - Belknap Street to North 3rd and side streets east and west to extents of improved streetscape
- **Belknap Street Streetscape Improvement Corridor** - Oakes Avenue to Hill Avenue and side streets north and south to extents of improved streetscape
- **Bong Bridge Entrance Roundabout** – circle area at the center of the roundabout.

Contract Terms: One year Contract for the period starting April 1st, 2022 to March 31st, 2023. There may be an option to extend to a three-year contract after successful completion of initial contract and at the discretion of the Contractor and the City of Superior.

All work shall be in strict compliance with the Contractor's proposal and other contract documents, herein mentioned as component parts of this contract.

10.3 Article II - Contract Price

The Owner shall pay the Contractor for the performance of this contract an amount based upon the unit prices contained in the proposal for the actual measured quantities of work done or lump sum as proposed.

Contractor shall not be entitled to payment for work found deficient or failing to conform to the requirements set forth in this agreement, and is not entitled to further payments until corrected to the satisfaction of the Director of Parks, Recreation & Forestry at the cost of the Contractor. The City will inform the Contractor of any deficiencies and/or items that do not conform to this contract within thirty (30) days of receipt. Invoices shall include detail of the locations and work completed.

Unless otherwise provided in the special provisions, payments are to be made to the Contractor within 30 days of receipt of an approved payment application/invoice on the basis of written approval of estimates by the Owner of the value of the work performed during the preceding billing period.

The Owner, in case the work under this contract is not completed within the time required or within an extended time approved in writing by the Owner, is authorized to take charge of the work and finish it at the expense of the Contractor and his sureties, and to apply the amount retained from estimates to the completion of the work.

10.4 Article III - Component Parts of this Contract

This contract consists of the following component parts, all of which are as fully a part of it as if set out verbatim herein, or if not attached, as if the same were hereto attached:

1. Advertisement to Bid
2. Instructions to Bidders
3. Bid Proposal
4. Subcontractors & Suppliers Listing
5. Addenda Acknowledgment
6. Bid Bond
7. Bidder's Proof of Responsibility
8. Affidavit of Organization and Authority
9. Affidavit of Compliance from Contractor and all Sub-Contractors
10. Contract
- 10.0 Certificate of Insurance
11. Performance and Payment Bond
12. General Specifications

13. Engineer's Certificate (as applicable)
14. Special Provisions (as applicable)
15. Contract Change Order
16. Additional Attachments per Index (as applicable)

The contract documents form a complete unit and requirements called for by one are as binding as if called for by all. In cases of conflict between plans and specifications, the specifications shall govern. Special Provisions shall control over General Specifications.

10.5 Article IV - Payment for Labor & Materials

The Contractor specifically agrees to pay for all claims for labor performed for this project and materials furnished, used and consumed in completing the foregoing contract, together with all items enumerated in Section 779.035, of the Wisconsin Statutes, as the obligation of the Contractor. No assignment, modification or change in the contract, or change in the work covered thereby, or any extension of time for completion of the contract shall release the sureties on the bond.

10.6 Article V - Insurance

Within ten (10) days after the execution of the contract, and prior to commencement of any work, the Contractor shall file with the Owner, satisfactory evidence of having adequate worker's compensation insurance and public liability insurance, both personal and property, as outlined in the General Specifications, section 12.3.

10.7 Non-Discrimination

Upon execution of this Agreement, Contractor agrees as follows:
Contractor and all Subcontractors do not discriminate against any employee, applicant for employment, independent contractor, or any other persons because of race, color, religion, sex, sexual orientation, gender identity, or national origin.

10.8 Signatures

In Witness Whereof, the parties, intending to be legally bound have executed this agreement the day and year set forth above.

SIGNED AND SEALED: COMPANY:
 ADDRESS:
 PHONE:

President

Vice President/Secretary

ATTEST: CITY OF SUPERIOR, WISCONSIN

City Clerk

Mayor

Finance Director
Provision has been made to
pay the liability that will
accrue under this contract.

City Attorney

11. PERFORMANCE AND PAYMENT BOND (Sample)

AIA Document A312™ - 2010 Performance and Payment Bond is the preferred document.

All other bonds must be approved by the City.

KNOW ALL MEN BY THESE PRESENTS THAT _____

of _____, and _____ as principal, and _____ of _____, a corporation and existing under the laws of the State of Wisconsin (hereinafter called Asurety@), as surety are held and firmly bound unto the City of Superior, a municipal corporation, of the State of Wisconsin, in the penal sum of \$_____ Dollars, good and lawful money of the United States of America, to be paid to the City of Superior, Wisconsin, its duly authorized attorneys, agents, officers, successors and assigns for which payment, well and truly to be made, we bind ourselves, our heirs, administrators, executors, successors and assigns, jointly and severally firmly by these presents.

WHEREAS, the above bound principal has entered into a certain written contract with the City of Superior, Wisconsin, dated this ____ day of _____, 20____, which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, the condition of the above obligation is such that if the above bound principal shall well and truly keep, do and perform each and every matter and thing in said contract set forth and specified to be by the said principal kept, done and performed at the time and in the manner in said contract specified, and shall pay over, make good and reimburse to the aforementioned City, all loss and damage which said City may sustain by reason of failure or default on the part of said principal and shall pay to every person entitled thereto all claims for labor performed and materials furnished, used or consumed in performing the work provided in said contract including, without limitation because of enumeration, fuel, lumber, building materials, machinery, vehicles, tractors, equipment, fixtures, apparatus, tools, appliances, supplies, electric energy, gasoline, motor oil, lubricating oil, greases, state imposed taxes, premiums for worker’s compensation insurance and contributions for unemployment compensation, then this obligation shall be void; otherwise, it shall be and remain in full force and effect.

Contractor _____
Representative _____
Title _____
Insurance Company _____
Representative _____
Attest: _____

12. GENERAL SPECIFICATIONS

12.1 GENERAL

State, Federal and/or grant funds may be used to fund all or part of this contract. The City will not be held liable for any damages incurred due to changes in State, Federal or grant funding, including (but not limited to) a reduction or cancellation of the project.

12.2 SUBSTITUTIONS

The following terms shall be substituted in the specifications:

- a. "Owner" or "City" is the City of Superior.
- b. "Engineer" is the Contracted Engineer/Architect for the City of Superior or the City Engineer assigned to the project.

12.3 INSURANCE REQUIREMENTS

Contractor shall maintain the appropriate insurance coverage, including but not limited to:

Minimums of Liability

a.	WORKER'S COMPENSATION (including Employer's liability)	\$100,000/accident \$500,000 disease policy limit \$100,000/employee disease
b.	COMPREHENSIVE GENERAL Bodily injury liability Bodily injury liability Property damage liability	\$1,000,000/person \$1,000,000/occurrence \$500,000/occurrence
c.	COMPREHENSIVE AUTOMOBILE (including owned and non-owned) Bodily injury liability Bodily injury liability Property damage liability	\$100,000/person \$250,000/occurrence \$500,000/occurrence

Comprehensive General Liability includes, but is not limited to: existence of equipment or machines on location, contractual liability and personal injury.

The Comprehensive General Liability insurance certificate shall contain a statement from the insurer that for this contract they waive the care, custody or control exclusion.

These policies shall covenant requiring thirty (30) days written notice to the City before cancellation, reduction or other modifications of coverage. These policies shall be primary and non-contributing with any insurance carried by the City and shall contain a severability of interests clause in respect to gross liability, protecting each named insured as though a separate policy had been issued.

Such coverage shall be provided by an insurer licensed to do business in Wisconsin and shall remain active for the duration of the agreement. In the event that the contractor fails to maintain and keep in force the insurance as herein provided, the City shall have the right to cancel and terminate the established contract forthwith and without notice. The contractor shall advise each insuring agency to automatically renew all policies and coverage enforce at the start of and resulting from this contract until coverage requirements are revised.

Within ten (10) days after the award of the contract, the contractor shall file with the City Clerk satisfactory evidence of having adequate worker's compensation insurance and public liability insurance, both personal and property.

The City of Superior shall be shown as "additionally insured" on all certificates of insurance and shall provide proof of coverage to the City.

12.3.5 IDEMNIFICATION

Contractor hereby agrees to indemnify, defend and hold harmless the City its elected and appointed officials, officers, employees, agents, representatives and volunteers, and each of them, from and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, interest, attorneys' fees, costs, and expenses of whatsoever kind or nature in any manner directly or indirectly caused, occasioned, or contributed to in whole or in part or claimed to be caused, occasioned, or contributed to in whole or in part, by reason of any act, omission, fault, or negligence, whether active or passive, of Contractor or of anyone acting under its direction or control or on its behalf, even if liability is also sought to be imposed on the City, its elected and appointed officials, officers, employees, agents, representatives and volunteers.

The obligation to indemnify, defend and hold harmless the City, its elected and appointed officials, officers, employees, agents, representatives and volunteers, and each of them, shall be applicable unless liability results from the sole negligence of the City, its elected and appointed officials, officers, employees, agents, representatives and volunteers.

Contractor shall reimburse the City, its elected and appointed officials, officers, employees, agent or authorized representatives or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. In the event that Contractor employs other persons, firms, corporations or entities (subcontractor) or

volunteers as part of the work covered by this Agreement, it shall be responsibility of the contractor to require and confirm that each sub-contractor enters into an Indemnity Agreement in favor of the City, its elected and appointed officials, officers, employees, agents, representatives and volunteers, which is identical to this Indemnity Agreement.

This indemnity provision shall survive the termination or expiration of this Agreement.

12.4 PERFORMANCE AND PAYMENT BOND

Contractor shall execute and furnish a completed PERFORMANCE AND PAYMENT BOND in the total amount of the approved bid, to be supplied to the Owner along with the required signed contract documents. AIA Document A312™ - 2010 is the preferred Performance and Payment Bond document.

12.5 LICENSES, PERMITS AND APPROVALS

The Contractor warrants that it is properly licensed, and possesses all the necessary qualifications as required by the federal, state and local laws, ordinances, regulations, etc. prior to commencing work, and shall remain in good standing for the duration of the project.

The Contractor is responsible for all local, state and federal permits and approvals which may apply to this project. The fees for local permits will be waived upon receipt of application of such permits and it is noted that the permit late fee of \$750.00 per permit, will be the financial responsibility of contractor. Normal local inspections will be required, including final inspection of the project by the applicable local departments. The Contractor shall give all notices required by law and comply with all laws, statutes, ordinances, rules and regulations that affect the conduct and prosecution of the project. The Contractor shall be liable for all violation of the law in connection with work furnished by the Contractor. If Contractor performs any work that it knew or should have known to be contrary to such laws, statutes, ordinances, rules and regulations and without giving notice to the City, the Contractor shall be responsible for all costs arising therefrom.

The City will consider no plea of misunderstanding or ignorance of these requirements.

12.6 OBSTRUCTION OF STREETS AND SIDEWALKS

The Contractor shall promptly remove any dirt or debris which is caused by its performance of this contract and clean all streets, sidewalks, alleys and public property which are soiled by Contractor's actions or omissions. If the Contractor shall, in any manner, obstruct a street or

sidewalk or other public grounds, they shall erect, install, maintain and pay for barriers and lights to prevent accidents and shall be liable for damages caused by the obstruction and for any damage or disruption to streets, alleys or public grounds which may result from the Contractor's carelessness in the prosecution of such work in accordance with Section 62.15 (11) of the Wisconsin Statutes. The Contractor shall also be bound by any further requirements of the specifications on this point.

12.7 PROSECUTION AND PROGRESS

One year Contract for the period starting April 1st, 2022 to March 31st, 2023. There may be an option to extend to a three-year contract after successful completion of initial contract and at the mutual agreement of the parties.

12.8 COORDINATION OF CONTRACTORS

The City may award or may contract for additional work outside the scope of this contract. The Contractor shall fully cooperate with any other Contractor, City employee, Engineer or designated representative of the City, by scheduling its own work with that to be performed under other Contracts as may be directed by the City. The Contractor shall not commit or permit any act which will interfere with the performance of any other Contractor, agent, City employee, engineer or designated representative as scheduled.

Employees of the Contractor must be able to work within a public setting without creating a disruption and conform to all policies, rules and regulations. Contractor shall require that their employees be courteous at all times, not to use loud or profane language, and to work as quietly as possible. Contractor shall require that its employees shall not trespass, loiter, cross property to adjoining premises, or tamper with property not covered by the contract.

Contractor agrees to observe and obey all applicable laws, ordinances, rules and regulations promulgated and enforced by the City and by any other proper authority having jurisdiction over the work performed herein.

Special Conditions Where special conditions or special purposes require the consideration of deviations from these specifications, any such deviations must be authorized by the Owner.

12.9 CHANGE ORDERS

Any change to the signed contract must be approved by Owner, in writing, prior to the commencement of the change (see CONTRACT CHANGE ORDER, Section 15). All changes/amendments/addition/ deletions to the original contract must be described on the Contract Change Order form with necessary increase/decrease in contract price indicated. Change orders will need to include any invoices and supporting documents. These changes will include applicable project extension time requests. Form is to be numbered sequentially and is to be signed by the Contractor and approved by the Owner before proceeding to execute the work. Verbal directions, approvals, conversations or agreements are not permitted in lieu of a written Change Order.

Any work conducted outside of the scope of the contract, or in addition to the contract and not authorized through a written Change Order is at the Contractor's sole cost and expense.

12.10 TIME PENALTIES

Should the Contractor fail to complete the work within the time agreed upon under section 12.7 above, or within such extra time as may be allowed by extensions at the discretion of the Owner, the Owner shall be entitled to compensation for damages resulting from the failure of the Contractor(s) to complete the work within the contract period or may be considered a breach of contract. Breach of contract may lead to termination of the contract. Such damages shall include, but not be limited to the following: impacts on Owner operations, inconvenience to the public, added cost of engineering and supervision, maintenance of detours and other items resulting from the Contractor's failure to complete the work within the time specified in the contract. If the damages exceed the balance of monies that would otherwise have been due the Contractor, the Contractor or the Contractor's Surety shall be responsible for payment of all such damages to the Owner as liquidated damages.

All actual damages accruing to the Owner as a result of any delay shall be borne by the Contractor.

12.13 CONTROL OF THE WORK

MANY UTILITY OWNERS HAVE EXISTING FACILITIES NEAR OR AT THE LOCATION OF THE WORK REQUIRED UNDER THIS CONTRACT. The Contractor shall contact **Diggers Hotline at 1-800-242-8511** to determine locations are safe and will make any adjustments recommended by the locator prior to performing any excavation

operations under this contract.

12.14 SCOPE OF WORK

The scope of work for this project shall be in accordance set forth in the Special Provisions.

The Contractor shall be responsible for the maintenance of traffic. The Contractor shall provide, erect and maintain all barricades necessary to complete the work.

12.15 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

The Contractor shall work in cooperation with utility companies in the protection of water and gas mains and other utilities that may be within the limits of construction. It shall be the duty of the Contractor to notify the utility company or companies involved before starting work on this project.

12.16 SAFETY AND SECURITY

The Contractor shall at all times perform in a safe and workmanlike manner to avoid injury or damage to any person or property. The Contractor shall comply with all requirements and specifications relating to the safety, health and sanitation measures applicable to the project. The Contractor shall exercise all necessary precautions for the safety of its employees, and be in compliance with all applicable federal, state and local laws, statutes, ordinances, rules and regulations, including, but not limited to, the Wisconsin Labor Code, The U.S. Department of Transportation Omnibus Transportation Employee Testing Act, and OSHA standards.

The contractor shall provide all necessary safeguards, devices and protective equipment, including but not limited to adequate life protection and lifesaving equipment, and shall ensure the proper inspection and maintenance of safety measures are current and in compliance.

The City may halt construction on any project where appropriate safety measures and equipment are not being used or any safety regulations are not being followed. Work will not be permitted to resume until required safety provisions have been made and delays as a result of this provision will not be considered a basis for an increase in the contract price or an

extension of the completion deadline.

12.17 PRE-PROJECT CONFERENCE

A conference will be scheduled by the Owner prior to work commencing.

13. ENGINEER CERTIFICATION – Not applicable

14. Special Provisions

14.1 GENERAL REQUIREMENTS

- A. As the topographic conditions vary throughout the City, the Contractor shall consider all factors in dealing with an assignment.
- B. Contractor is to furnish all labor, materials, tools, appropriately sized equipment and services required to complete the work specified herein.
- C. All cutting, mowing and disposal are to be performed in compliance with applicable codes and governing authority having jurisdiction.
- D. The Contractor shall be responsible for providing barricades, lights, fencing and other safety devices to prevent accidents for protection of life and the protection of property adjacent to work.
- E. All cutting, mowing and removal operations shall be done in a clean and nuisance-free manner according to C.
- F. Contractor is to comply with all applicable local, state and federal regulations as they apply to assignments.
- G. Contractor shall promptly remove any dirt or debris which is caused by its performance of this contract and clean all streets, sidewalks, alleys and public properties which are soiled by Contractor’s actions or omissions.
- H. Contractor shall be liable for damages caused by the obstruction and for any damage or disruption to streets, alleys or public grounds which may result from his actions, as stated in Section 62.15 (11) of the Wisconsin Statutes. The Contractor shall also be bound by any further requirements of the specifications on this point.
- I. Contractor shall contact the Parks, Recreation & Forestry for any clarification of requested services.

14.2 DESCRIPTION OF WORK

EXISTING CONDITIONS, WORK AREA, AND GENERAL SCOPE BREAKDOWN

Work is generally described as landscape maintenance, trash removal, and installation and removal of holiday tree lighting. Further detail is provided below:

- Tower Avenue Corridor - Belknap Street to North 3rd and side streets east and west to extents of improved streetscape. The work area includes all hardscape and landscape improvement areas and associated paving identified in the Streetscape improvement drawings for Tower Avenue
 - **Streetscape Installation:** The updated streetscape improvements were installed in 2015

- ***Irrigation:*** Trees and planting beds are irrigated by an automatic irrigation system
 - ***Trash Cans:*** Servicing of 34 trash cans in the work area along Tower Avenue
 - ***Litter Pick Up:*** Litter pick up is to be provided on both corridors
 - ***Planting Bed Maintenance:*** Service details described below
 - ***Weeding in Hardscape:*** Service details described below
 - ***Holiday Tree Lighting:*** Seasonal Holiday tree lighting for 122 Deciduous Street Trees and 31 Median Trees
- **Belknap Street Corridor** - Oakes Avenue to Hill Avenue and side streets north and south to extents of improved streetscape. The work area includes all hardscape and landscape improvement areas and associated paving identified in the Streetscape improvement drawings for Belknap Street.
 - ***Streetscape Installation:*** The updated streetscape improvements were installed from 2018-2019
 - ***Irrigation:*** There is no automatic irrigation system on Belknap
 - ***Trash Cans:*** Servicing of trash cans is not included on Belknap Avenue
 - ***Litter Pick Up:*** Litter pick up is to be provided on both corridors
 - ***Planting Bed Maintenance:*** Service details described below
 - ***Weeding in Hardscape:*** Service details described below
 - ***Holiday Tree Lighting:*** Tree lighting is not included on Belknap Street
- **Bong Bridge Entrance Roundabout** – The area included at the roundabout is shown in the attached map as circled in red.
 - ***Streetscape Installation:*** The updated streetscape improvements are planned to be installed in the spring of 2022.
 - ***Irrigation:*** There is no automatic irrigation system in the roundabout
 - ***Trash Cans:*** Servicing of trash cans is not included in the roundabout
 - ***Litter Pick Up:*** Litter pick up is to be provided in the roundabout
 - ***Planting Bed Maintenance:*** Service details described below
 - ***Weeding in Grass Area:*** Service details described below
 - ***Holiday Tree Lighting:*** Tree lighting is not included on the roundabout

SPECIFIC REQUIREMENTS

- **Trash Can Maintenance:**
 - ***Requirements:*** Service trash cans per the frequency contracted in the bid form (may be requested 1-3 times per week). Services may be adjusted to every other week or once monthly based on need. Adjusted service will be based on the per item cost outlined in the bid form. Each servicing will include removal of trash bag and replacement with a fresh bag and cleaning of cans as required to maintain a well-kept appearance. Contractor will notify the City of any broken or missing

cans following each servicing. Trash pick-up may require snow removal from in front of the cans to access the garage bags. Contractor will provide trash bags and the City will provide a dumpster to dispose of the trash.

- **Frequency:** A minimum number of times as required to maintain a well-kept appearance. Final frequency will be adjusted based on actual need with selected contractor. Generally, June, July and August are the busiest times and may require more than one servicing per week. The City may request additional servicing related to special events.
- Litter Pick Up:
 - **Requirements:** Pick up all loose litter, leaves and debris in the work area in conjunction with servicing of trash cans. Collected materials can be disposed of in dumpster provide by the City.
 - **Frequency:** Provide Litter pick up services at the same frequency as trash can maintenance. The intent is for litter pick up to be concurrent with servicing of trash cans for efficiency and fewer mobilizations. Provide cost for the one full litter pick up on both corridors plus additional frequency as described on the bid form. The City may request additional servicing as needed.
- Planting Bed Maintenance:
 - **Requirements:** Remove all litter, leaves, debris and weeds in all planting bed areas and tree wells described in the streetscape improvement drawings. Weeds shall be removed mechanically and in a fashion that will discourage future propagation. No herbicide treatments shall be used without prior approval of City and must comply with City Ordinance (Chapter 62, Article II, Section 62-16). In general, only non-toxic, vinegar-based types of products will be considered. Service and prune woody shrubs and perennials during bed maintenance. Prune only to preserve natural shape and only remove straggly or errant branching. No shearing or shaping will be acceptable. Structural tree pruning is not included in this scope however, broken, low hanging branching that are a hazard to the public shall be removed during planting bed maintenance efforts.
 - **Frequency:** It is currently anticipated of twice per month or as required to maintain a well-kept appearance. Service period will begin on May 1st and continue through the end of October. The City may request additional servicing as needed.
- Weeding in Hardscape:
 - **Requirements:** Remove weeds from construction joints, expansion joints, and cracks and gaps in pavement by mechanical means. No herbicide treatments shall be used without prior approval of City and must comply with City Ordinance (Chapter 62, Article II, Section 62-16). Only fire-based solutions or non-toxic, vinegar-based types of products will be considered.

- **Frequency:** It is currently anticipated as twice per month or as required to maintain a well-kept appearance. Service period will begin on May 1st and continue through the end of October. Provide cost for the one full weeding on both corridors. The City may request additional servicing as needed.
- Weeding in Grass Area:
 - **Requirements:** Remove weeds from grass area by mechanical means. No herbicide treatments shall be used without prior approval of City and must comply with City Ordinance (Chapter 62, Article II, Section 62-16). Only fire-based solutions or non-toxic, vinegar-based types of products will be considered.
 - **Frequency:** It is anticipated as twice per month or as required to maintain a well-kept appearance. Service period will begin on May 1st and continue through the end of October. Provide cost for the one full weeding on roundabout. The City may request additional servicing as needed.

SEASONAL SCHEDULE

Spring Maintenance

- Spring Startup:
 - **Site Walk:** Participate in one annual site walk with City Parks, Recreation & Forestry Director to identify service goals, document dead plant material, and establish coordination protocol for the year. A date and time will be coordinated between City Parks, Recreation & Forestry Director and the selected maintenance contractor. Any adjustments desired in irrigation settings will need to be discussed with the City and submitted in writing.
 - **Perennial Pruning:** Cut back ornamental grasses and perennials in all the planting beds in the work area
 - **Shrub Pruning:** Prior to bud break lightly prune woody plant material requiring cleanup. Prune only to preserve natural shape and only remove straggly or errant branching. No shearing or shaping will be acceptable.
 - **Mulching:** Top-dress all planting beds with mulch (provided by the City). Mulch will be provided in bags for ease of installation. Bags can be disposed of in a dumpster provided by the City. Following the spring site walk, the contractor shall provide a written estimate of the quantity of bags required for top-dressing to the City Parks, Recreation & Forestry Director so the City can place the order.
- Trash Can Maintenance
- Litter Pick Up
- Planting Bed Maintenance
- Weeding in Hardscape
- Weeding in Grass Area

Summer Maintenance

- Trash Can Maintenance
- Litter Pick Up
- Planting Bed Maintenance
- Weeding in Hardscape
- Weeding in Grass Area

Fall Maintenance

- Trash Can Maintenance
- Litter Pick Up
- Planting Bed Maintenance
- Weeding in Hardscape
- Weeding in Grass Area

Winter Holiday Lighting

- Holiday Tree Lighting – Provide 3 strings of lights per tree along Tower Avenue from Belknap Street to just north of North 4th Street. The contractor shall monitor lighting during the season and shall replace, adjust, restring or plug in lighting strands as needed to maintain overall lighting and a well-kept appearance. Electrical Receptacle Stanchions are provided near the base of each tree. Refer to provided Landscape Planting Plans and Electrical Drawing for more information regarding quantity and location. Lights are to be installed by the end of October and taken down by the middle of March. Any minor pruning required to facilitate lighting activities (removal of errant or broken branching) shall be included in this service effort. Provide a cost estimate for the following quantities as well as a unit cost per tree for any additional lighting requested by City Staff.
 - 122 Deciduous Street Trees
 - 31 Deciduous Median Trees

Scope Items Not Included in Contract:

- Plant replacement or other landscape improvements (Plant replacement or other site improvement efforts will likely be required and will be contracted separately with the selected contractor at the discretion of the City on an as needed basis)
- Trash can service on Belknap Avenue and on the Bong Roundabout (Contract includes Trash Can Servicing only for Tower Avenue corridor)
- Seasonal Banner Changeout (completed by the City)
- Structural tree pruning is not included in this contract but may, at the discretion of the City, be added to this contract. Broken, low hanging branching that is a hazard to the public shall be included in this scope.
- Snow Removal on Sidewalks or Streets (all snow removal and ice mitigation required to maintain trash cans is included in contract scope)

- Power washing of sidewalks
- Truck Irrigation of Planting Beds
- Irrigation blow outs or startups in the spring (provided by separate contractor)
- Irrigation startup, shutdown and repair is provided by a separate contractor.
 - All coordination with the irrigation contractor shall be conducted through the City Parks, Recreation & Forestry Director.
 - Any contractor recommended adjustments in irrigation system settings shall be discussed with the City Parks, Recreation & Forestry Director and submitted in writing.
 - Irrigation damage caused by the maintenance contractor will be repaired by city contractor at the expense of the maintenance contractor. All damage shall be promptly reported to the City Parks, Recreation & Forestry Director.
- Maintenance of Street Lighting (Cleaning or Lamp Replacement)
- Tree Staking or Wrapping

Provided by the City of Superior

- ***Dumpster:*** City shall provide a dumpster for disposal of trash bags, plant debris, litter, and mulch bags associated with top dressing of planting beds. The dumpster is in the parking lot of World of Wheels located at North 12th Street and Oakes Ave.
- ***Mulch:*** City will provide bags of mulch for annual spring top-dressing of planting beds. Contractor shall calculate quantity of bags required for top-dressing and submit to the City Parks, Recreation & Forestry Director in writing following the spring site walk.
- ***Streetscape Construction Documents:*** Landscape, Irrigation, and Lighting Drawings are provided by the City for use in managing this contract.
- ***Snow Removal:*** Snow removal of the streets is provided under a separate contract with the City.
- ***Landscape Irrigation System:*** Irrigation system startup/shut down, clock adjustment maintenance and repairs are provided under a separate contract with the City.

15. CONTRACT CHANGE ORDER

Tower and Belknap Maintenance

Change Order No. _____

Contractor: Name _____
Address _____

Item No.	Description of Change	DECREASE in contract price	INCREASE in contract price
- - - -	Total DECREASE in contract price		XXXXXXXXXX
- - - -	Total INCREASE in contract price	XXXXXXXXXX	
- - - -	NET decrease/increase in contract price	-	+

The current contract total is \$ _____. The sum of \$ _____ is hereby added to/deducted from the total contract price and the total adjusted contract price is thereby \$ _____.

Change orders over \$5,000.00: City Finance Department Initial: _____

The time provided for completion of the contract is (check one):

- unchanged
- increased by _____ calendar/working days
- decreased by _____ calendar/working days

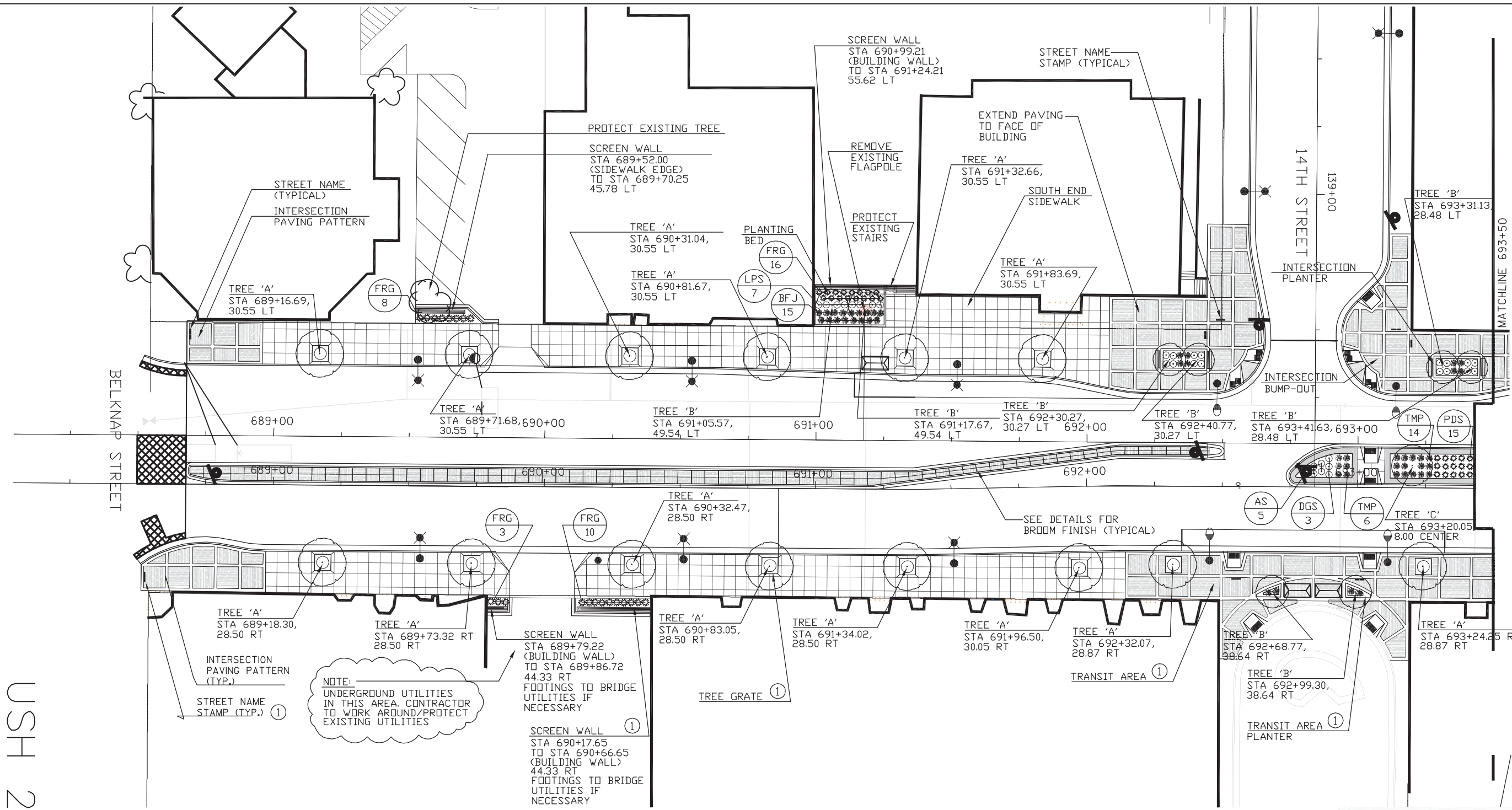
Necessity for change:

This document shall become an amendment to the contract and all provisions of the contract will apply hereto.

Change order recommended by: _____ Date: _____
(City, Company, engineer, contractor - circle one)

Change order accepted by: _____ Date: _____
(contractor)

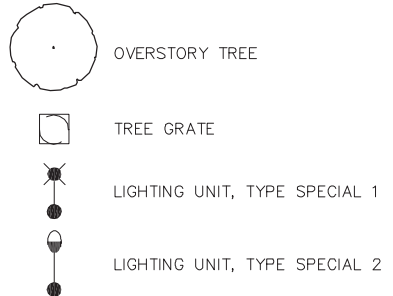
Change order approved by City of Superior: _____ Date: _____

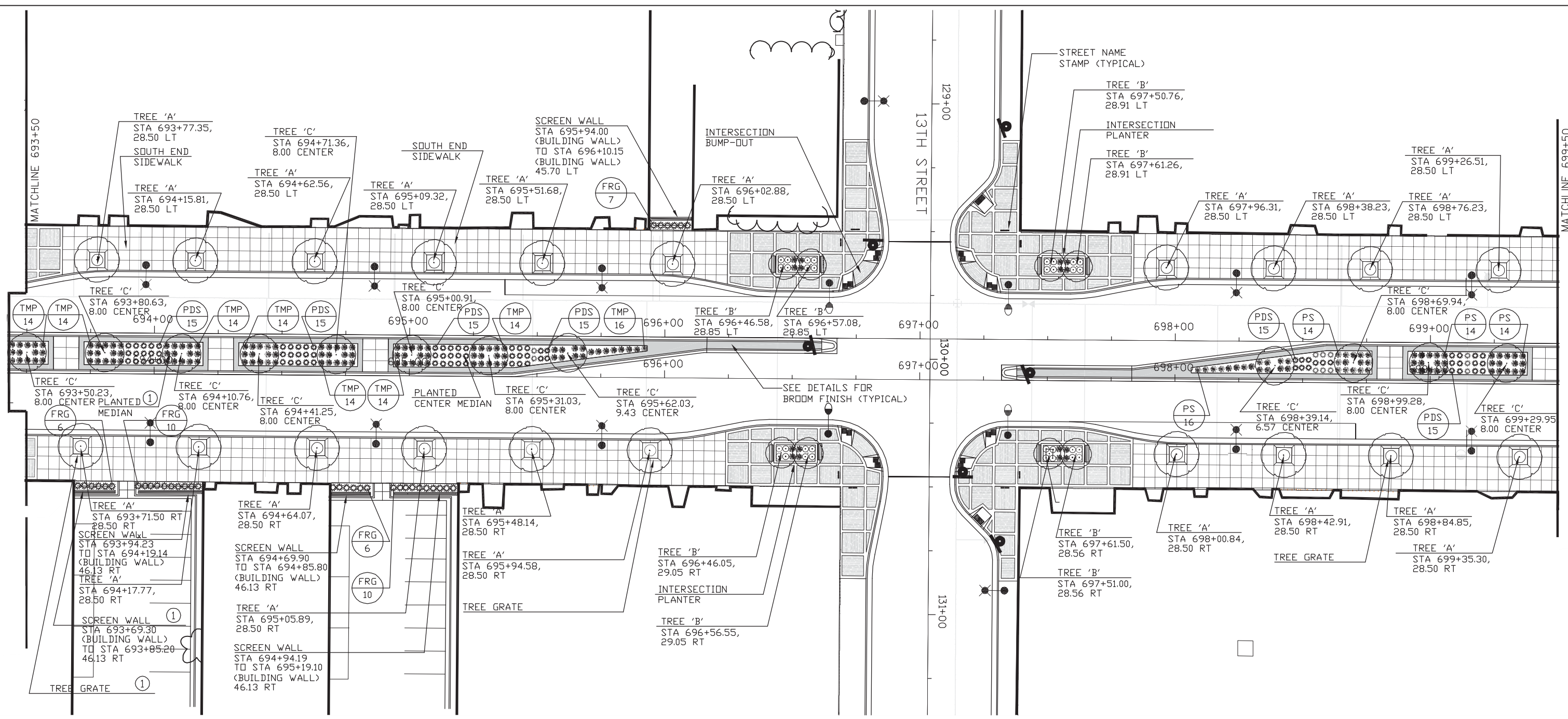


TREE PLANT LIST	
SYMBOL	COMMON NAME
TREE 'A'	NORTHERN ACCLAIM HONEYLOCUST
TREE 'B'	IVORY SILK LILAC TREE
TREE 'C'	HARVEST GOLD LINDEN
TREE 'D'	NORTHWOOD MAPLE
TREE 'E'	DISCOVERY ELM
TREE 'F'	COMMON HACKBERRY

LARGE AND MEDIUM DECIDUOUS SHRUBS	
AS	ALPINE SPIREA
DGS	DAKOTA GOLDCHARM SPIREA
LPS	LITTLE PRINCESS SPIREA
PPL	PRAIRIE PETITE LILAC
LARGE AND MEDIUM EVERGREEN SHRUBS	
BFJ	BLUE FOREST JUNIPER
TMP	TEENY MUGHO PINE
ORNAMENTAL GRASS	
PDS	PRAIRIE DROPSOED
FRG	FEATHER REED GRASS

LEGEND

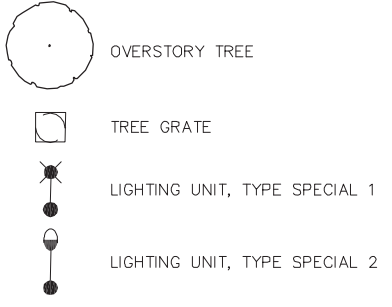


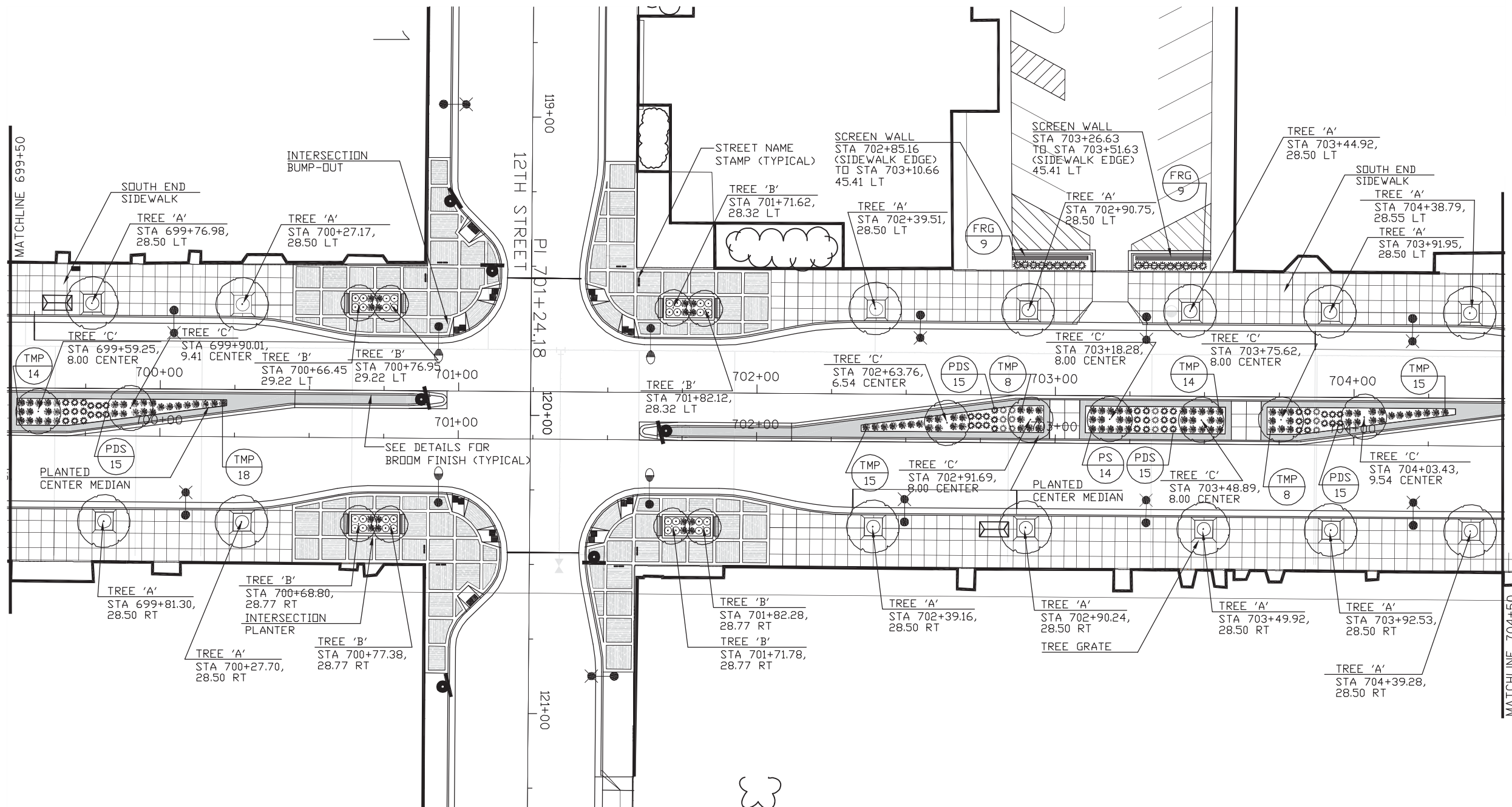


TREE PLANT LIST	
SYMBOL	COMMON NAME
TREE 'A'	NORTHERN ACCLAIM HONEYLOCUST
TREE 'B'	IVORY SILK LILAC TREE
TREE 'C'	HARVEST GOLD LINDEN
TREE 'D'	NORTHWOOD MAPLE
TREE 'E'	DISCOVERY ELM
TREE 'F'	COMMON HACKBERRY

LARGE AND MEDIUM DECIDUOUS SHRUBS	
AS	ALPINE SPIREA
DGS	DAKOTA GOLDCHARM SPIREA
LPS	LITTLE PRINCESS SPIREA
PPL	PRAIRIE PETITE LILAC
LARGE AND MEDIUM EVERGREEN SHRUBS	
BFJ	BLUE FOREST JUNIPER
TMP	TEENY MUGHO PINE
ORNAMENTAL GRASS	
PDS	PRAIRIE DROPSEED
FRG	FEATHER REED GRASS

LEGEND

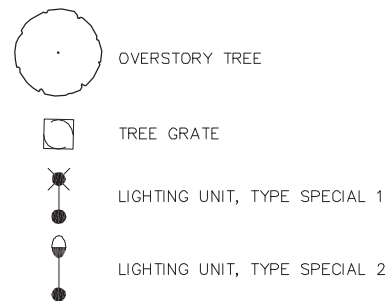




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ORNAMENTAL GRASS	
PDS	PRAIRIE DROPSEED
FRG	FEATHER REED GRASS

LEGEND



INTERSECTION
BUMP-OUT
INTERSECTION
PLANTER
TREE 'B'
STA 704+87.03,
28.85 LT

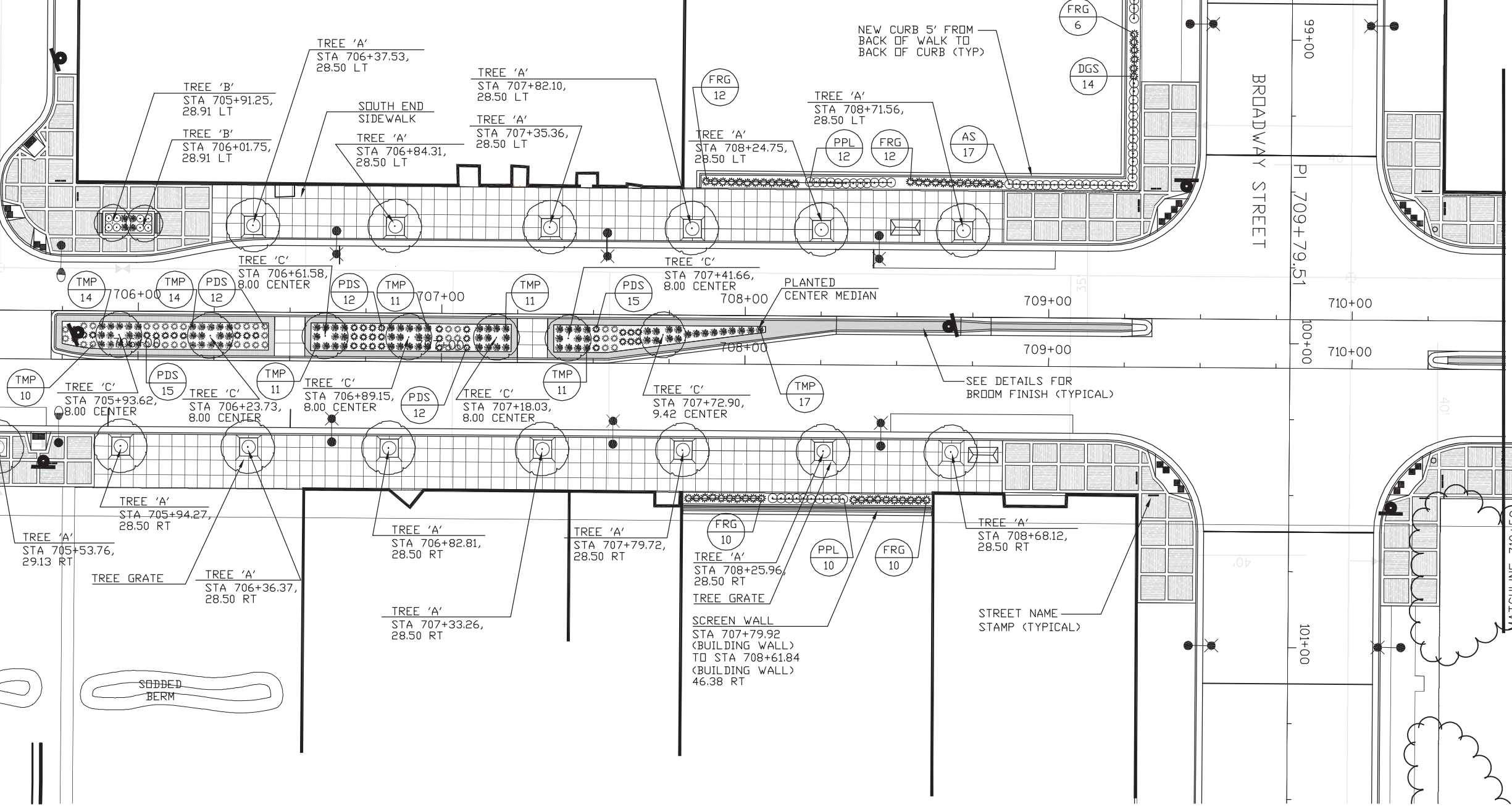
TREE 'B'
STA 704+97.53, 705+00
28.85 LT

11TH STREET

109+00

110+00

111+00



BROADWAY STREET

99+00

100+00

101+00

PI 709+79.51

710+00

710+00

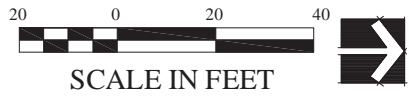
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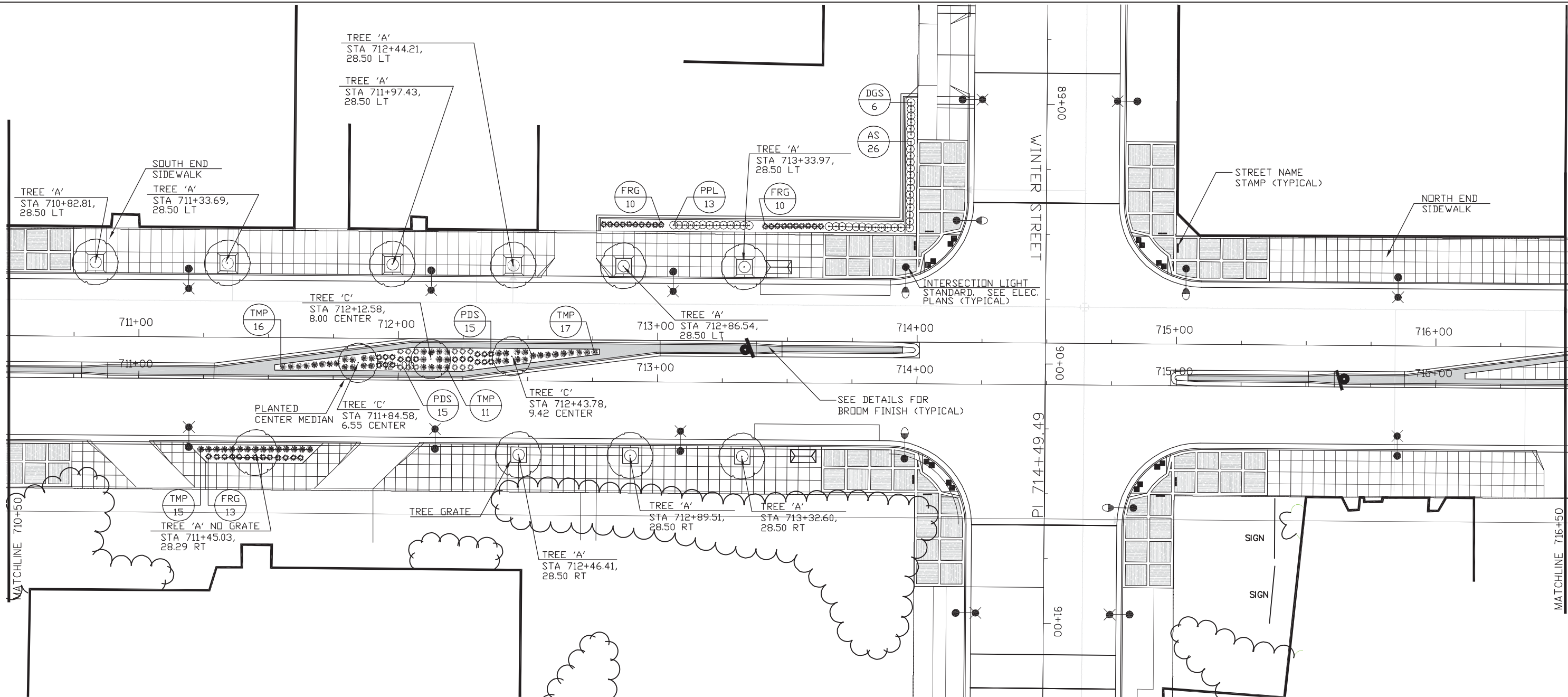
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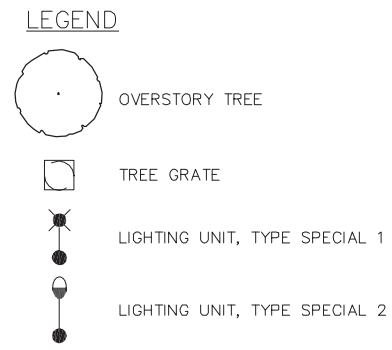
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	OVERSTORY TREE
	TREE GRATE
	LIGHTING UNIT, TYPE SPECIAL 1
	LIGHTING UNIT, TYPE SPECIAL 2

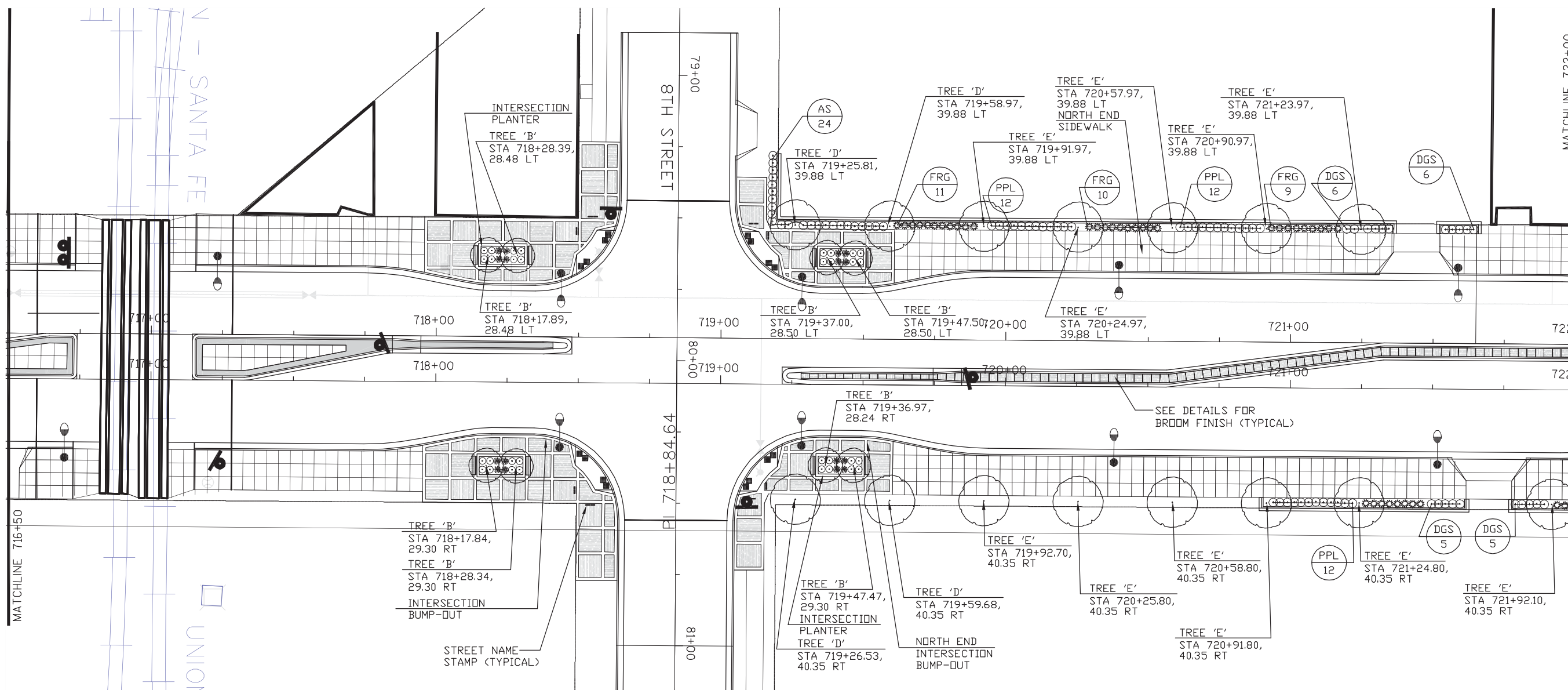




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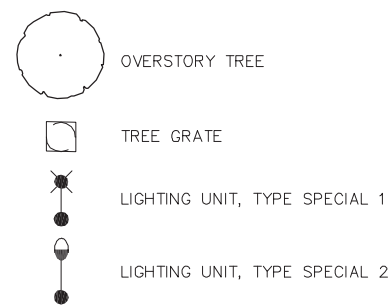


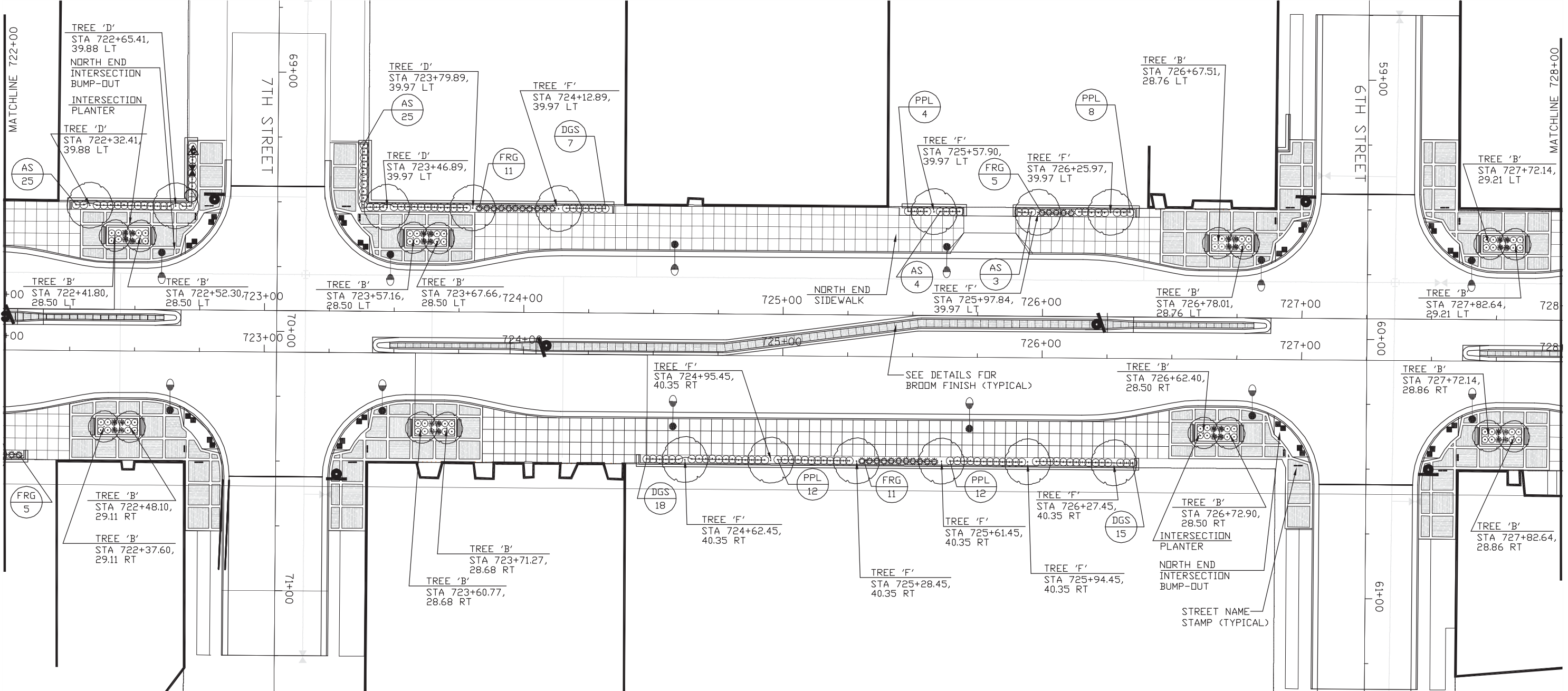


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LEGEND





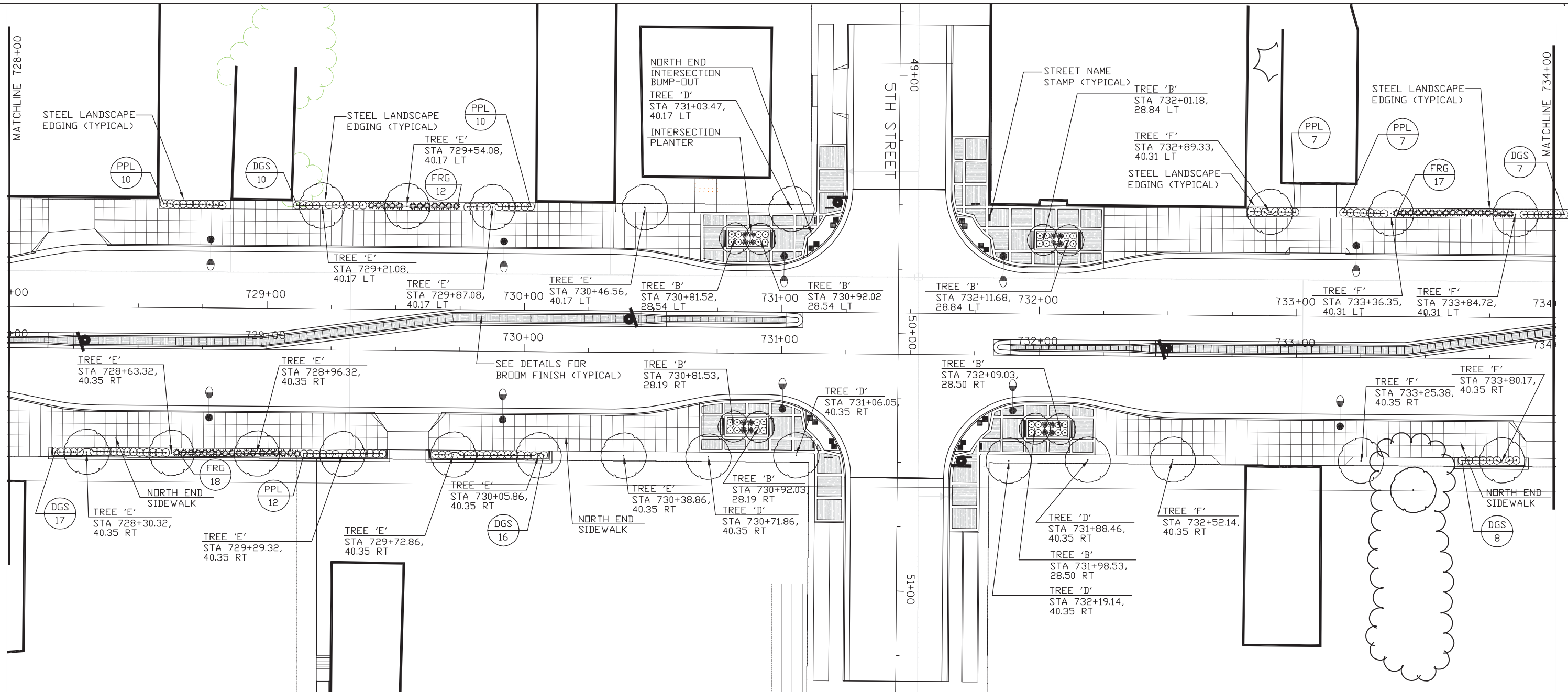
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LEGEND

- OVERSTORY TREE
- TREE GRATE
- LIGHTING UNIT, TYPE SPECIAL 1
- LIGHTING UNIT, TYPE SPECIAL 2





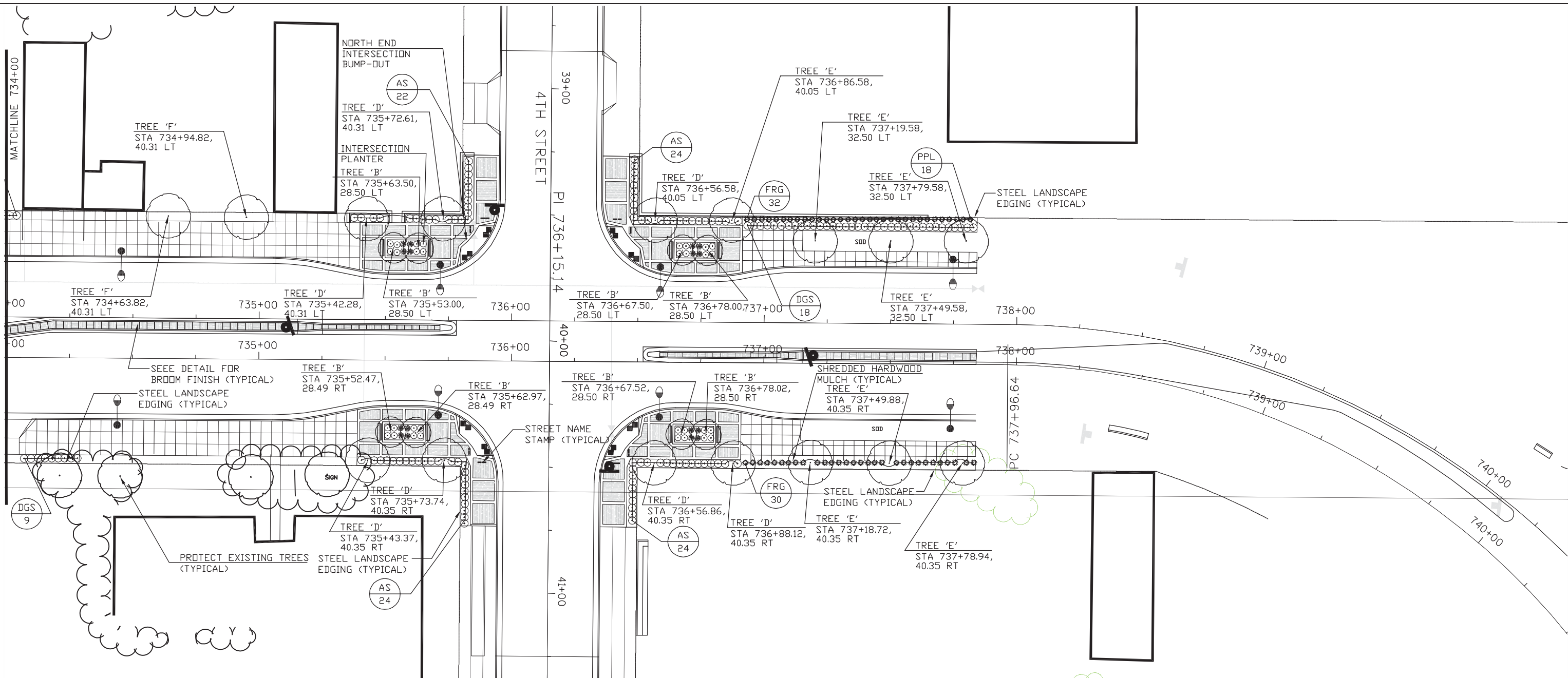
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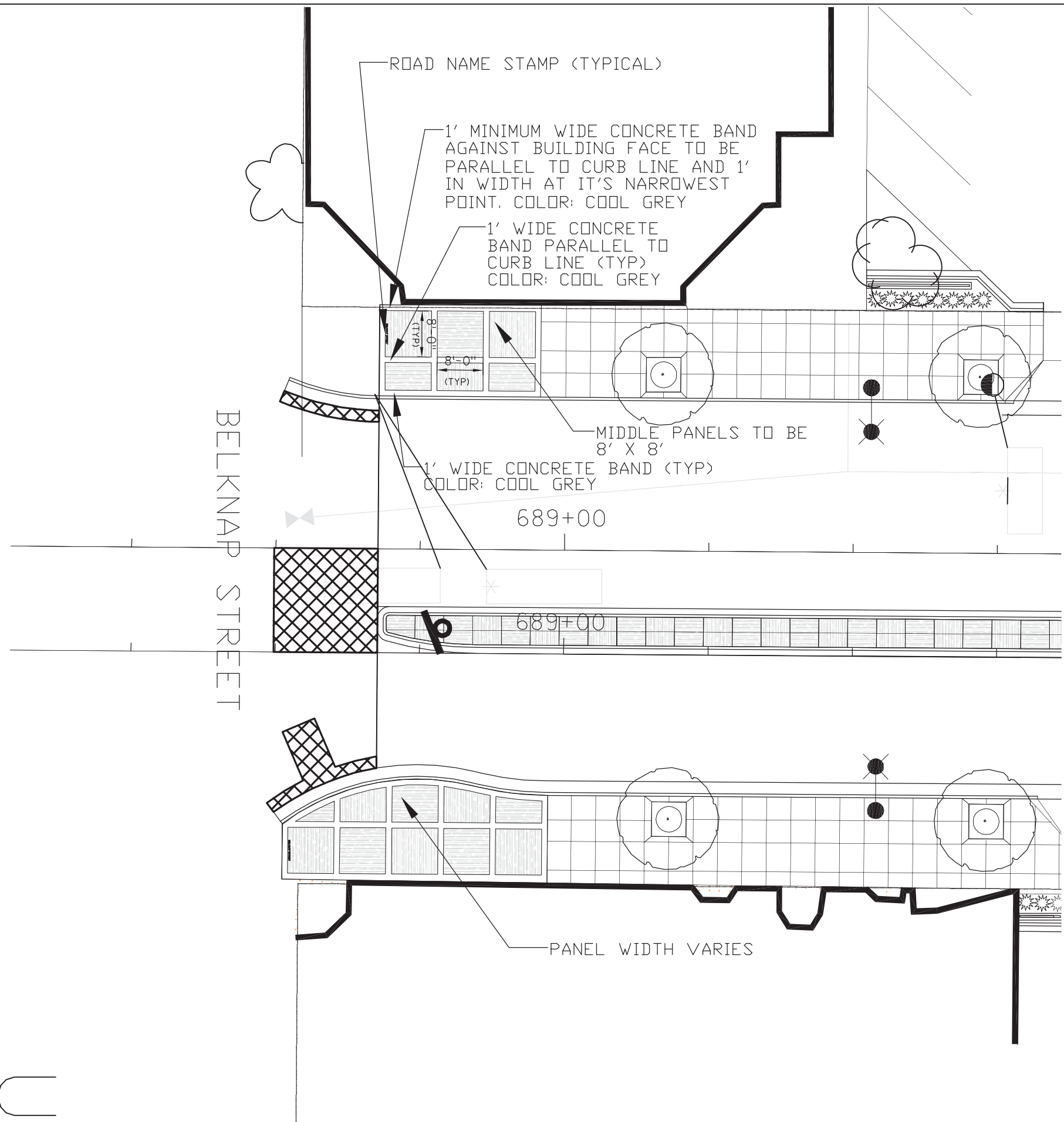
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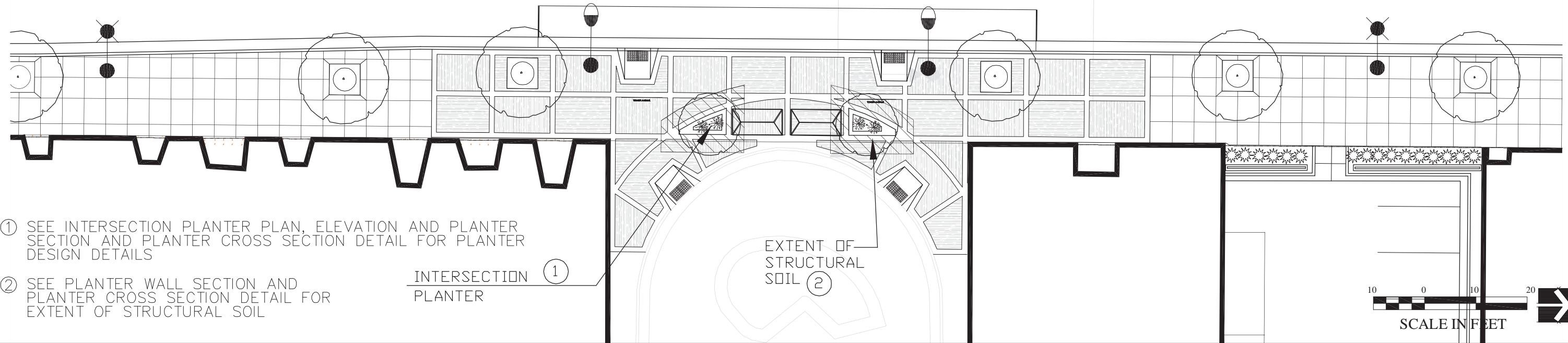
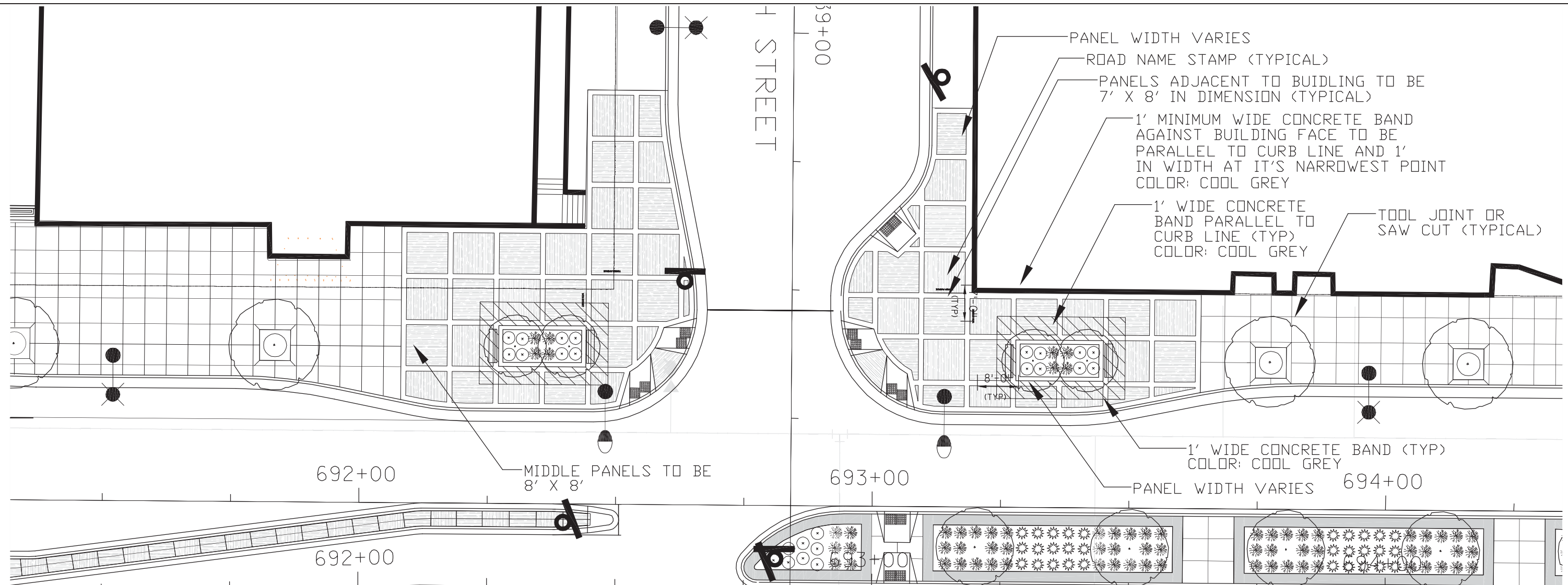
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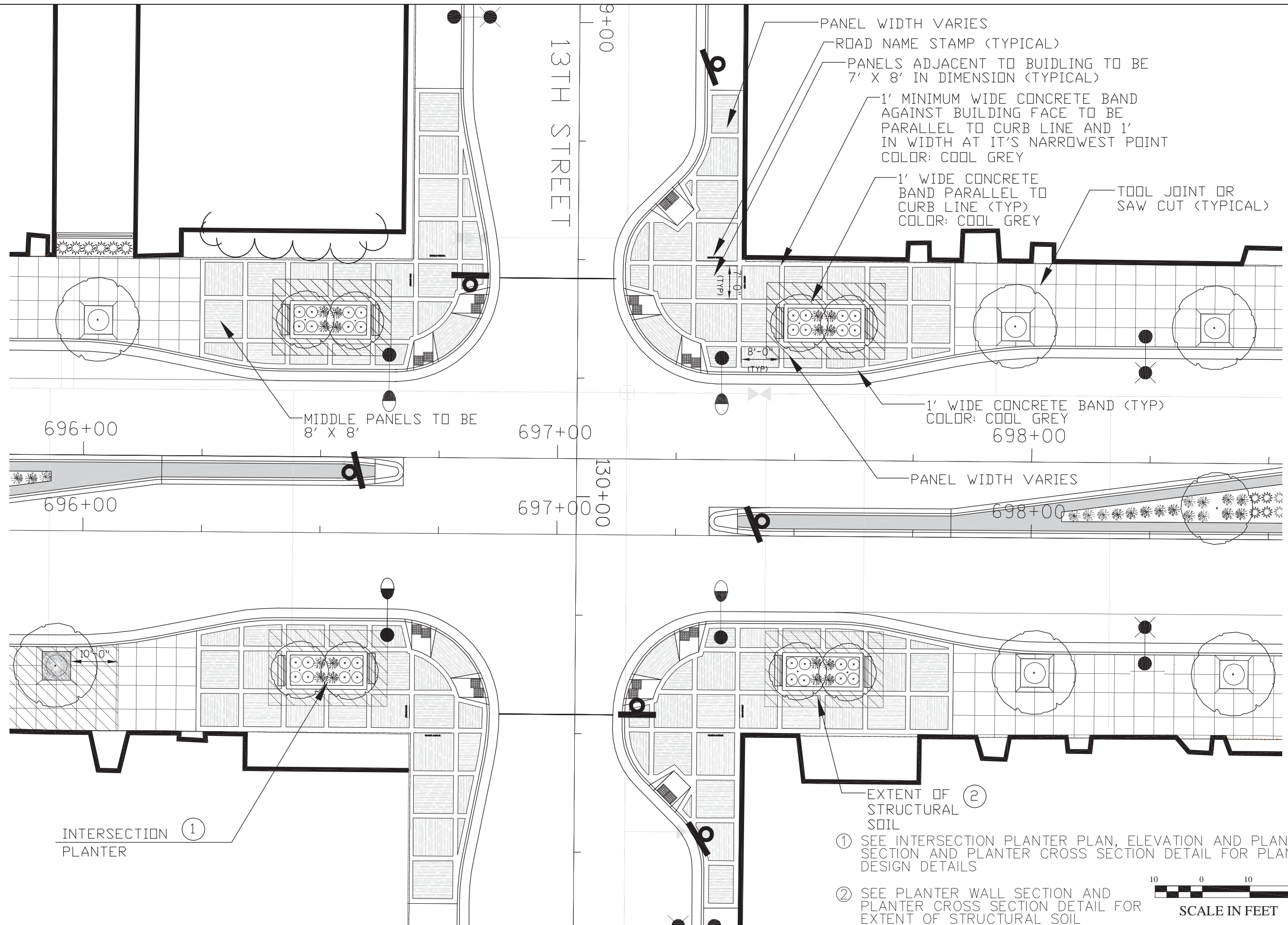


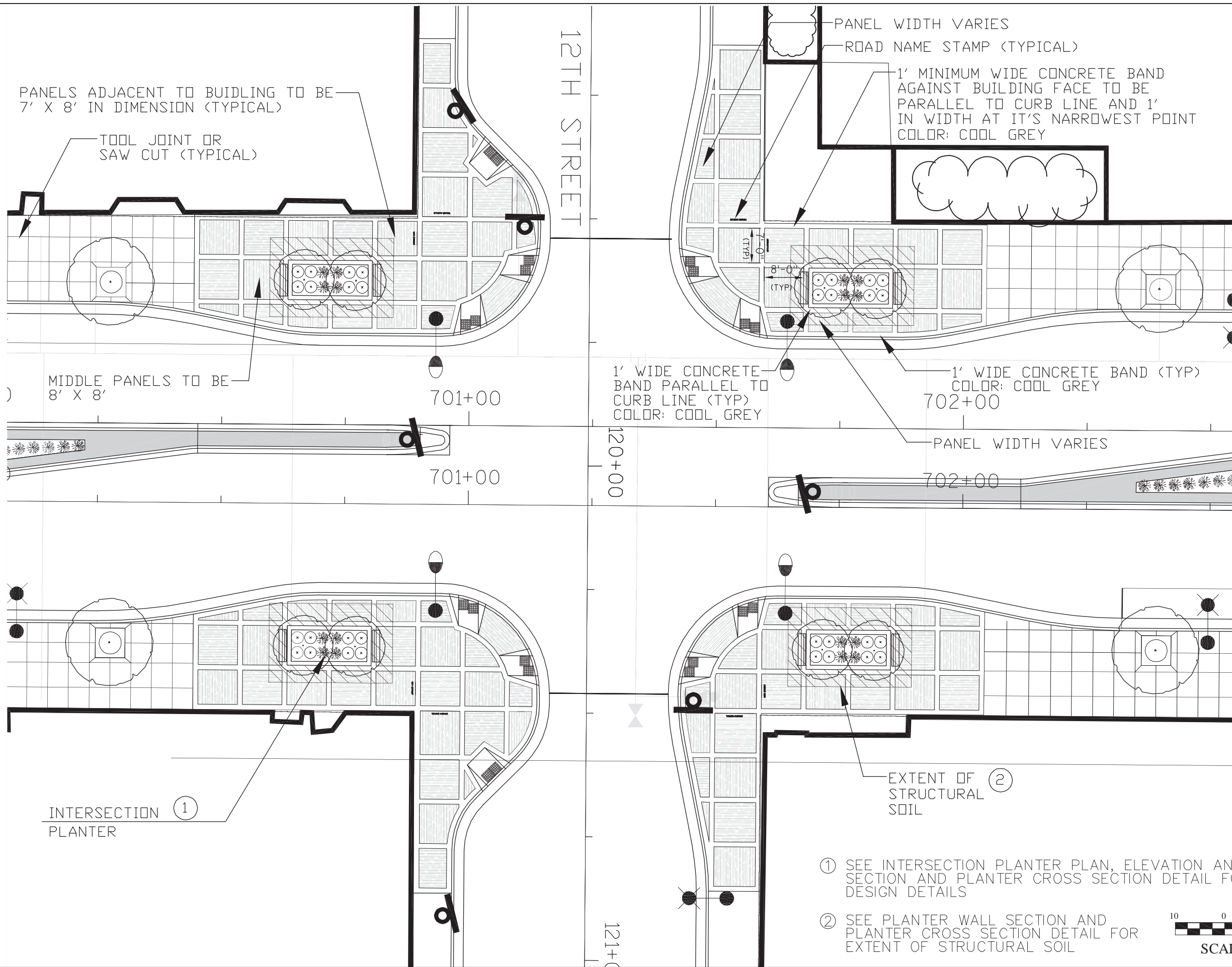




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- ② SEE PLANTER WALL SECTION AND PLANTER CROSS SECTION DETAIL FOR EXTENT OF STRUCTURAL SOIL

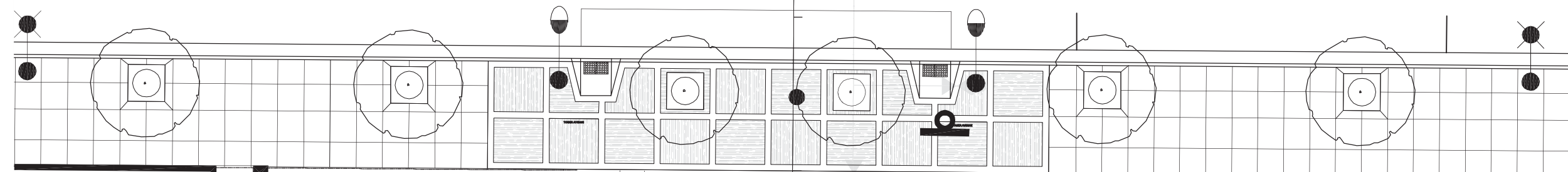
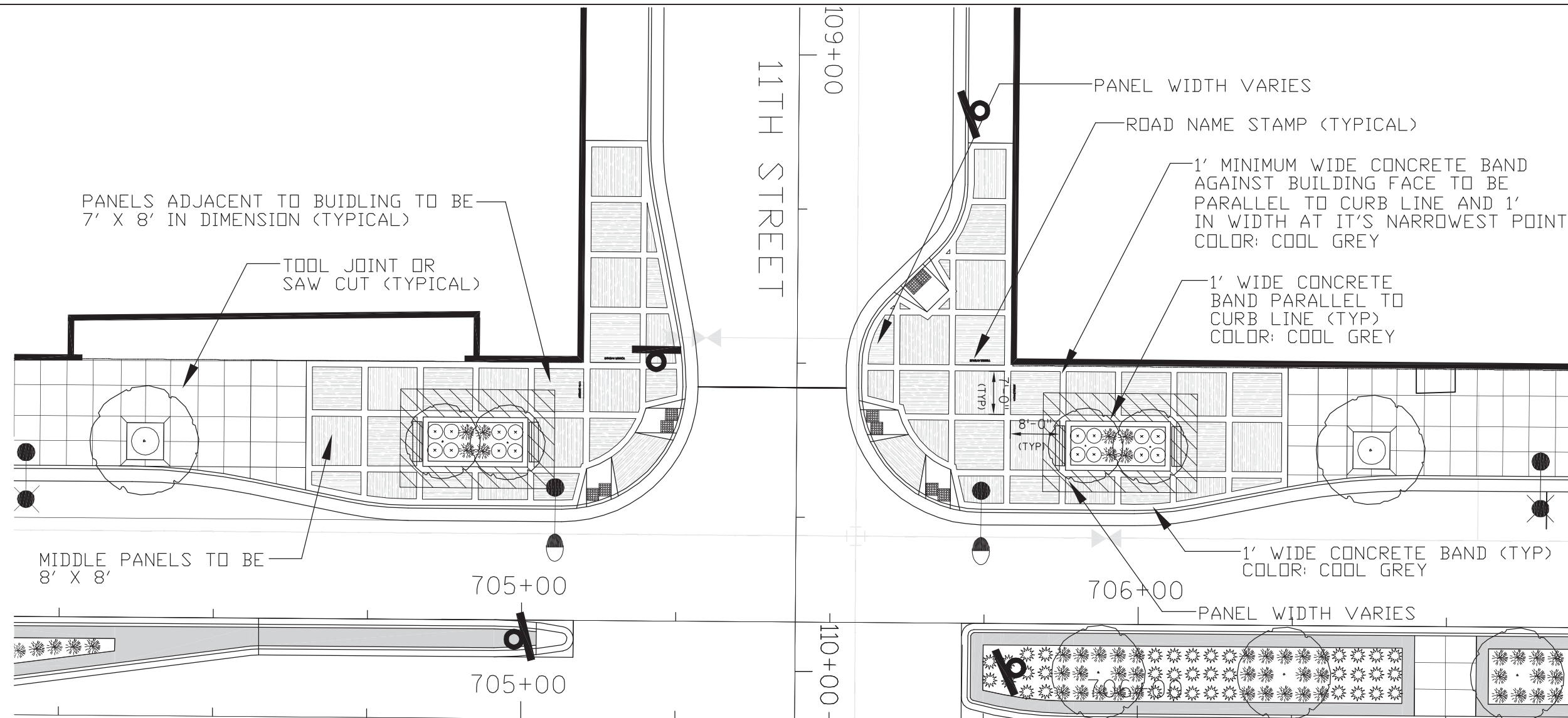




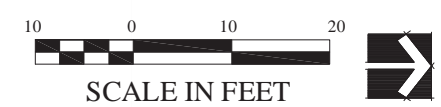


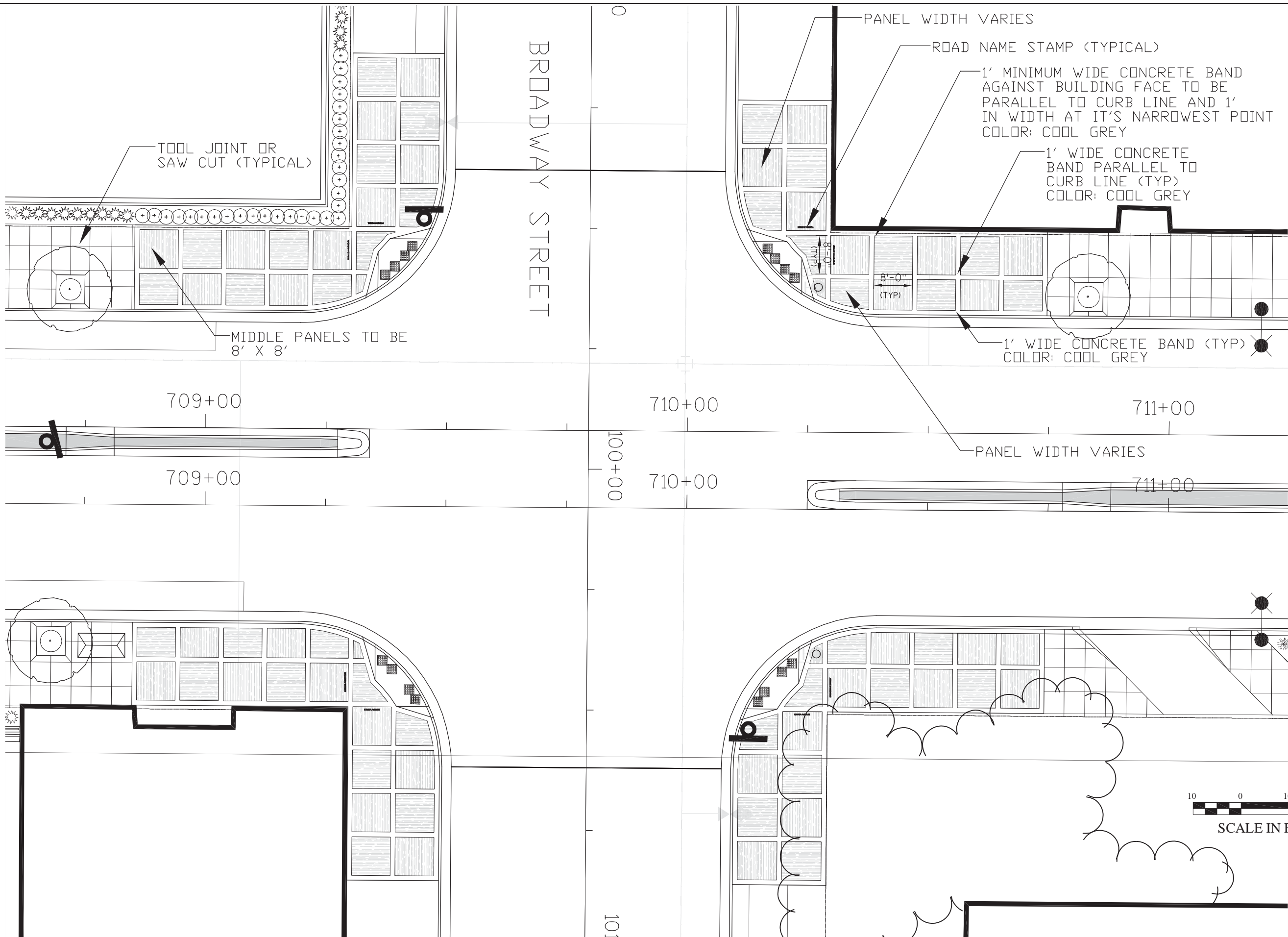
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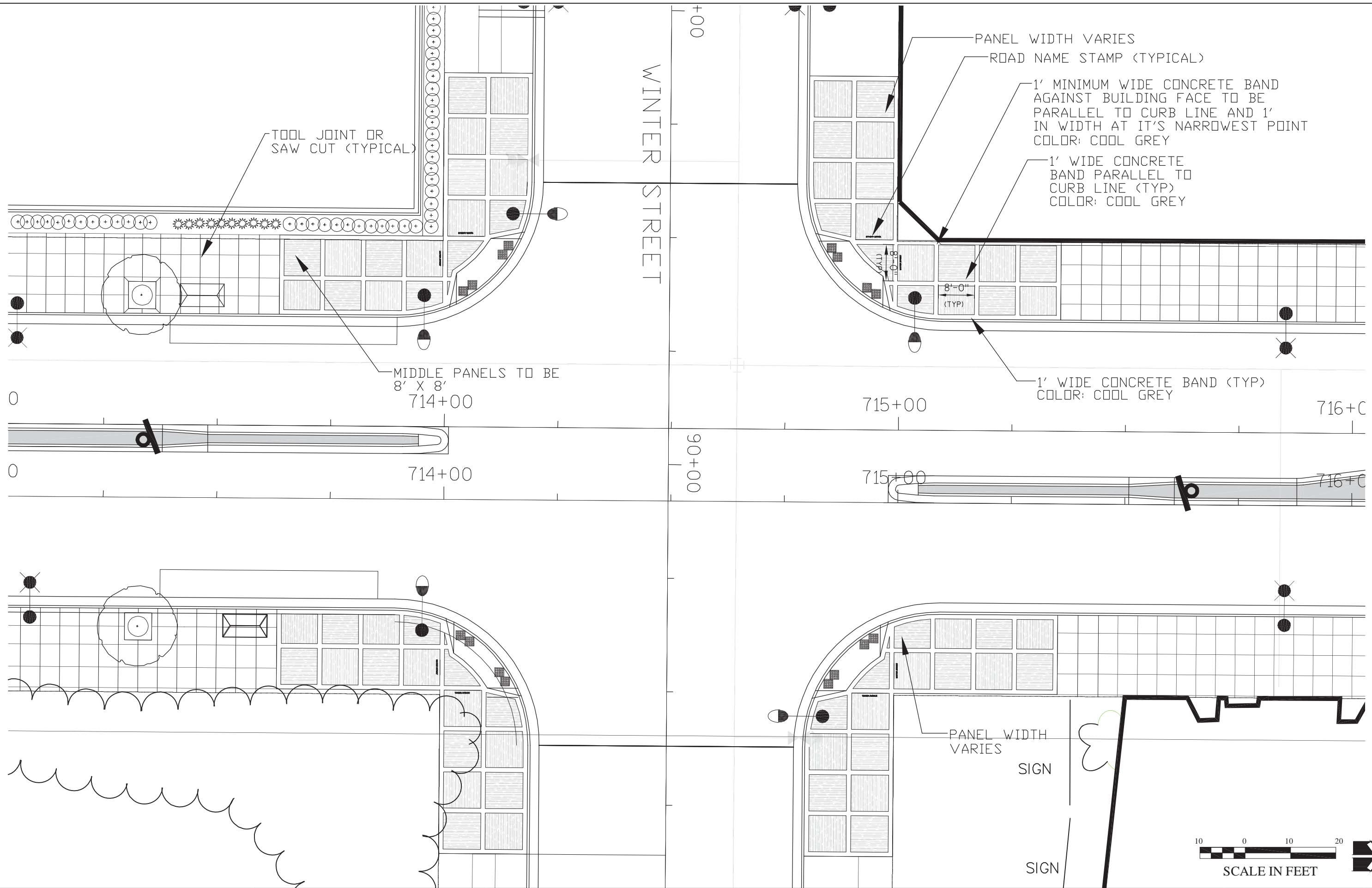


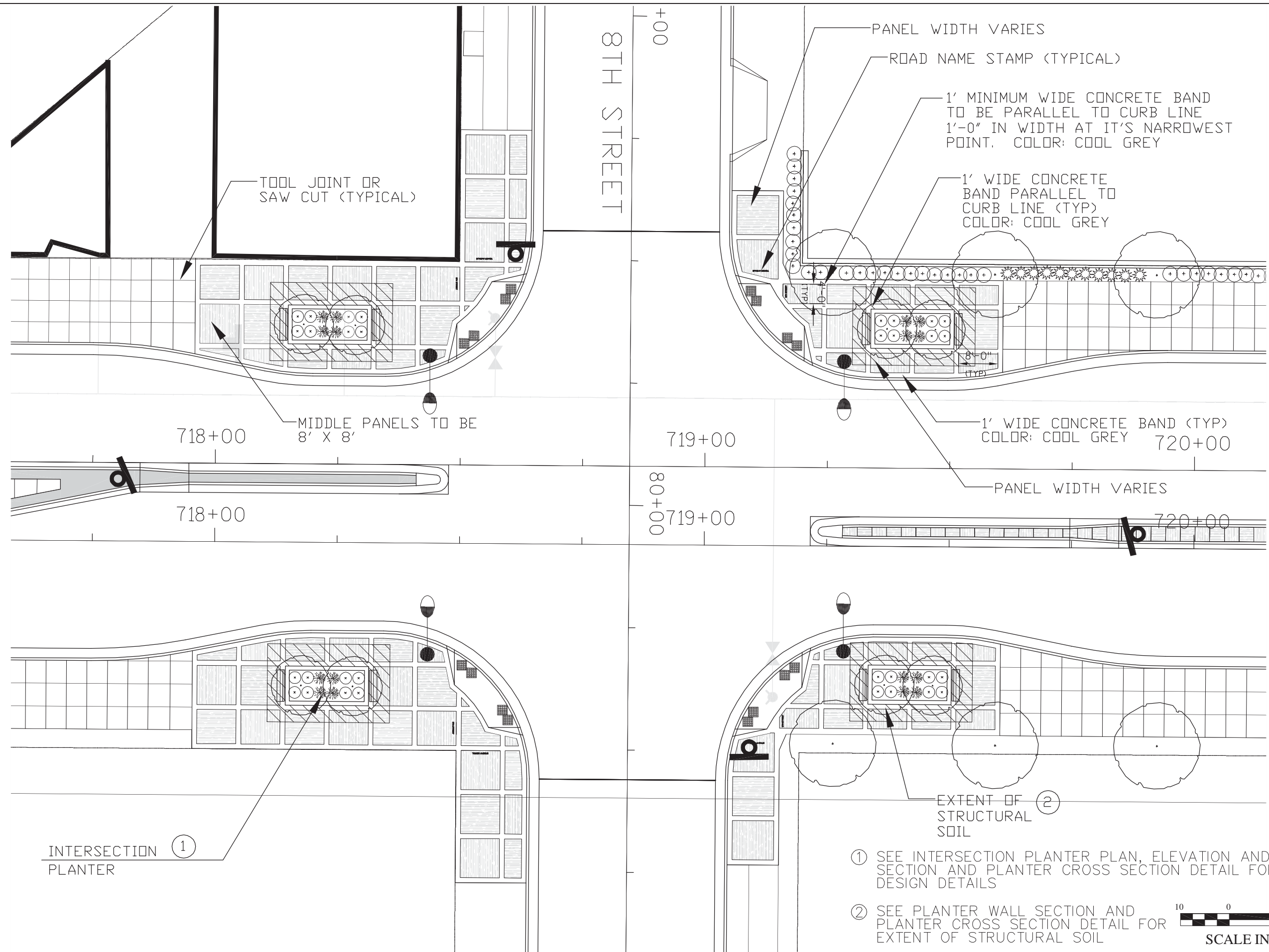


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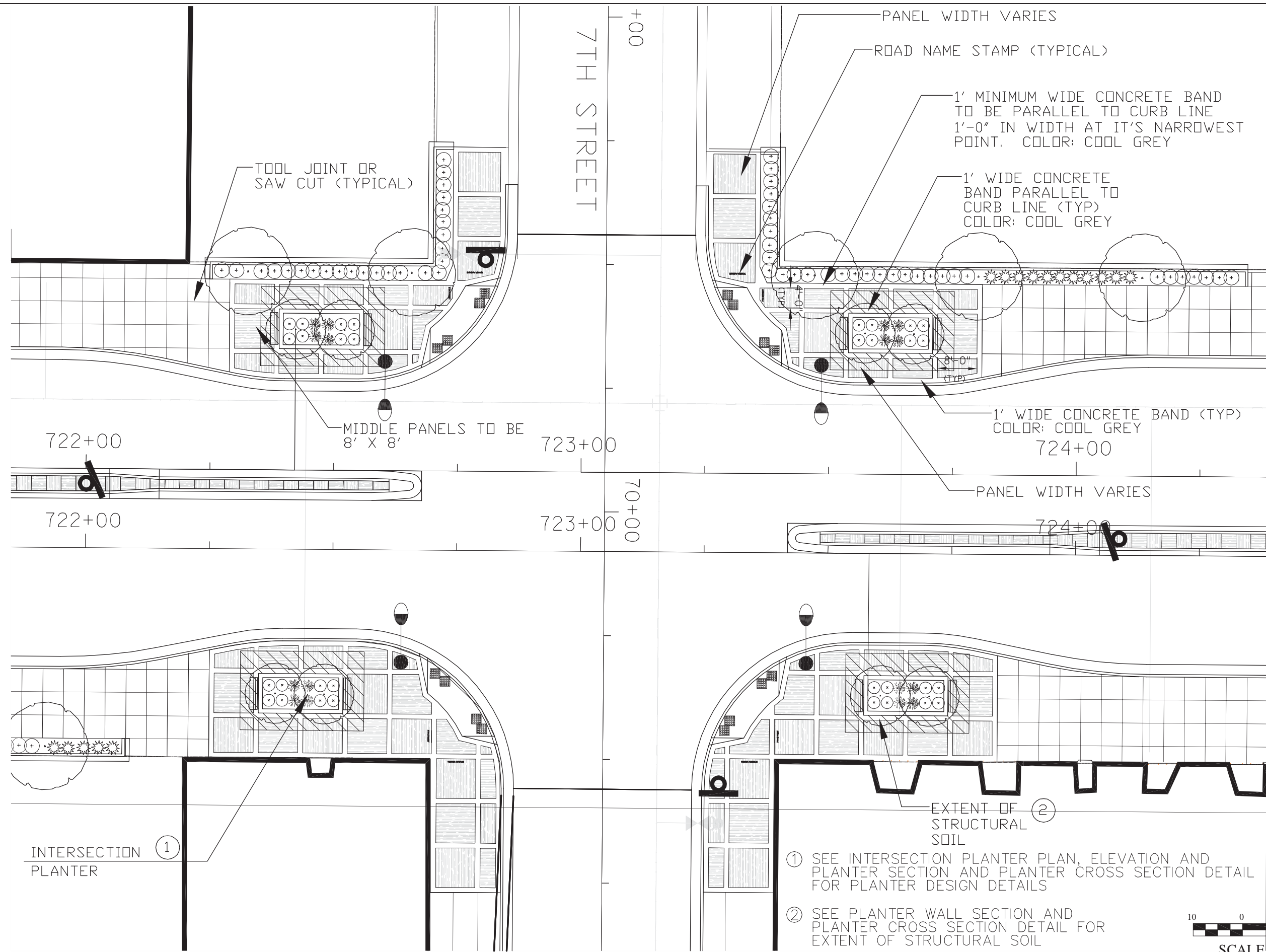






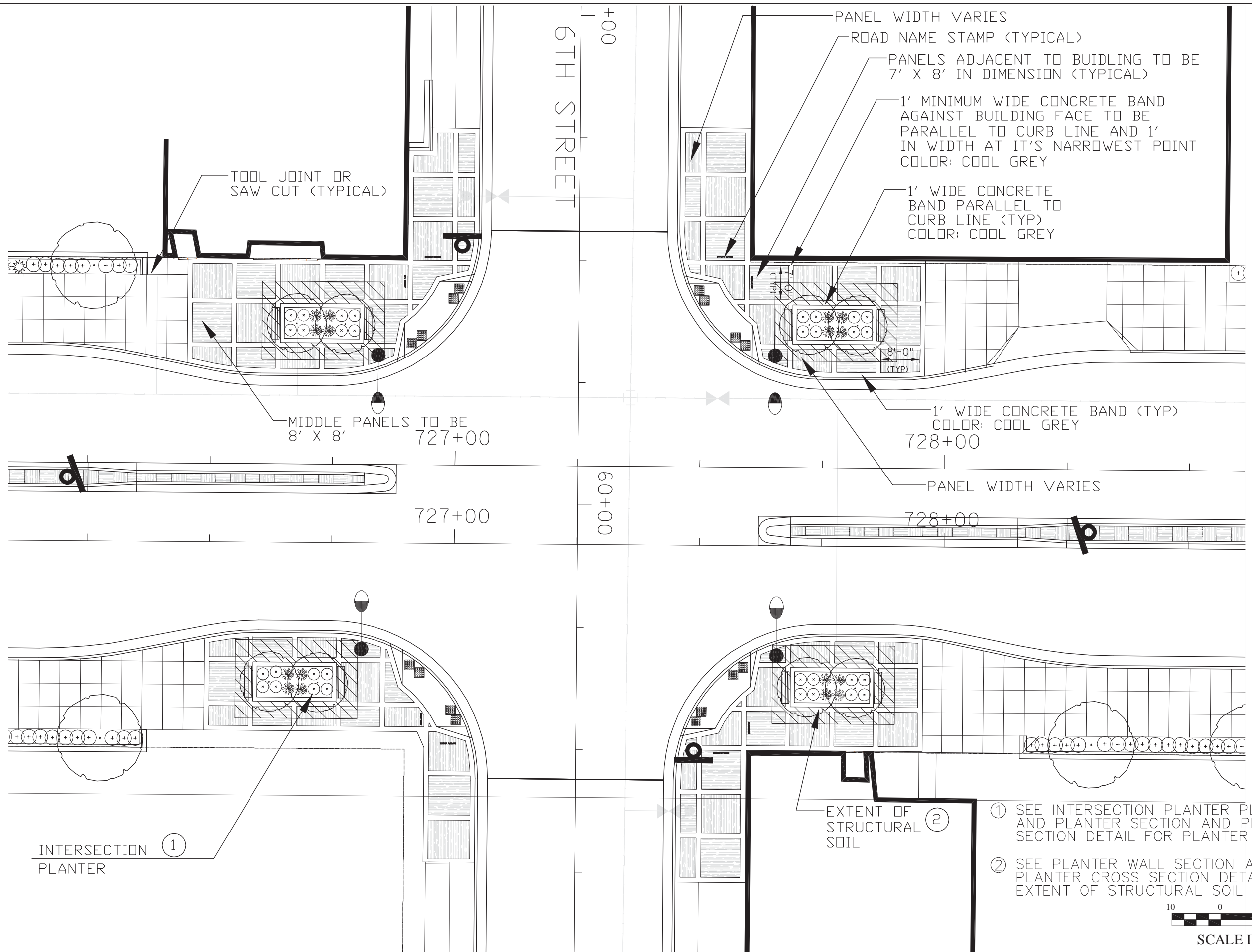
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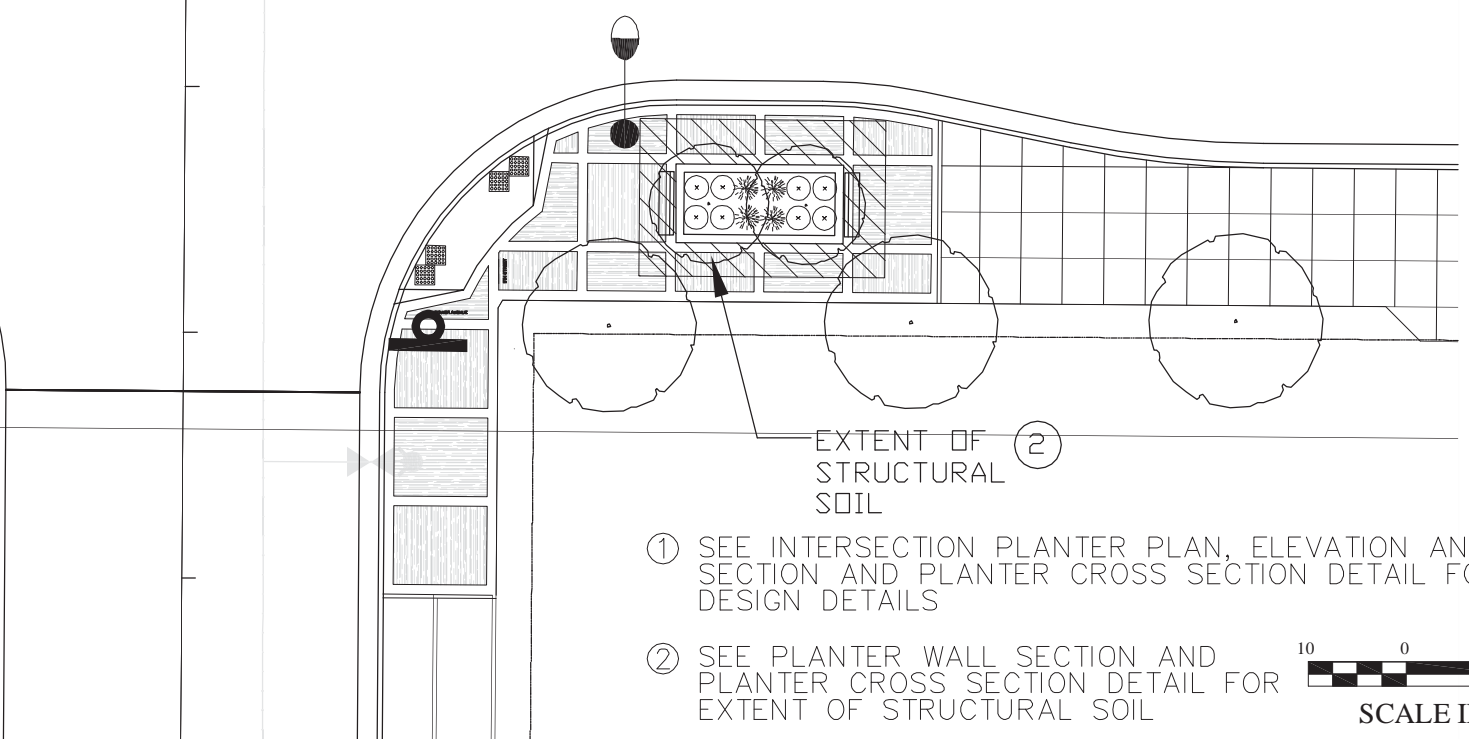
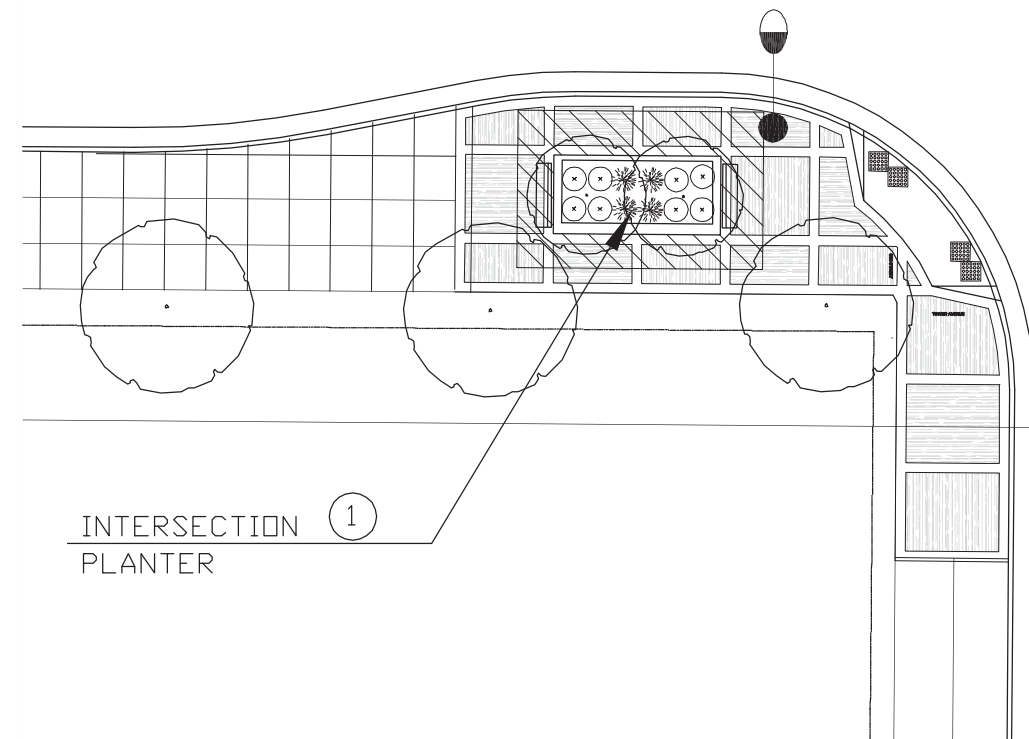
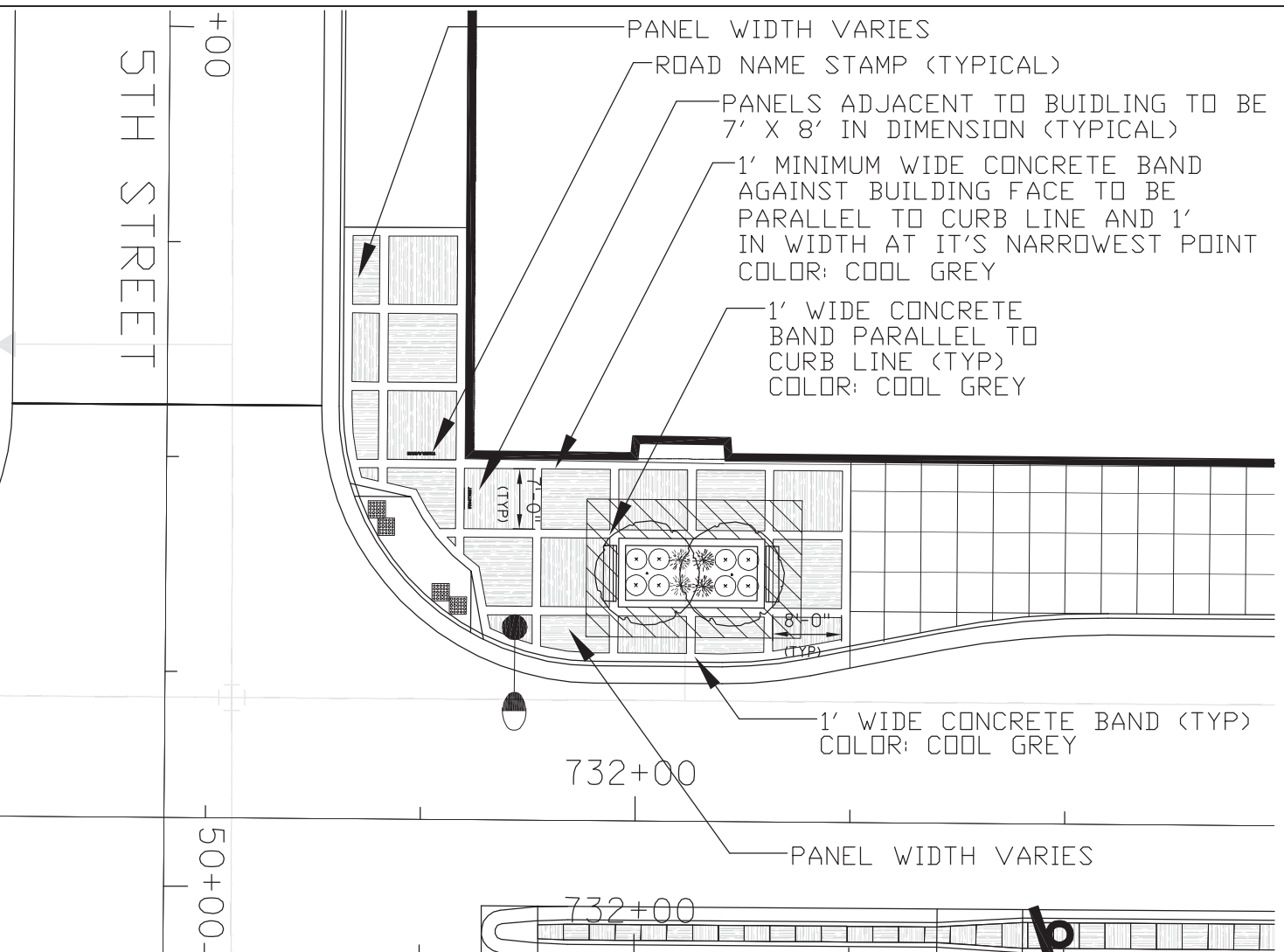
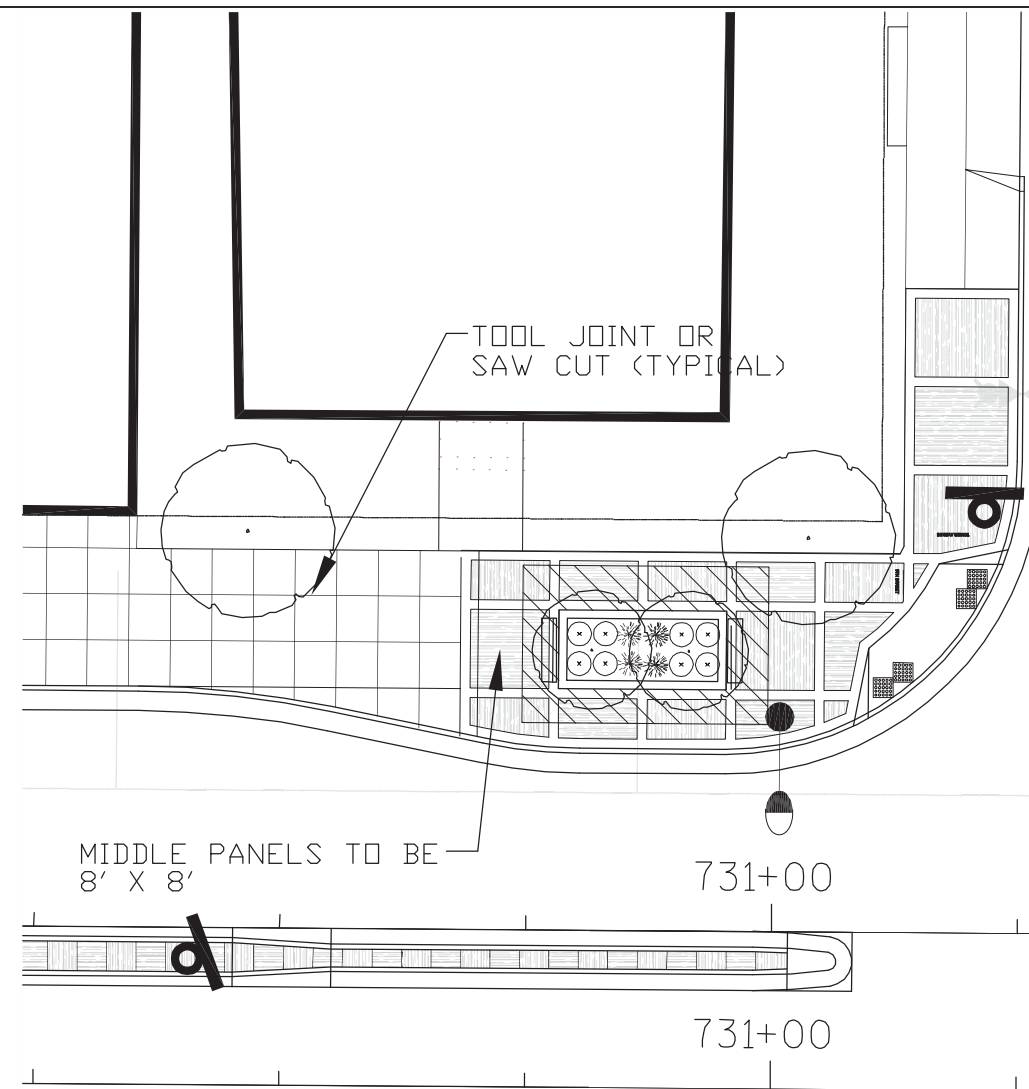




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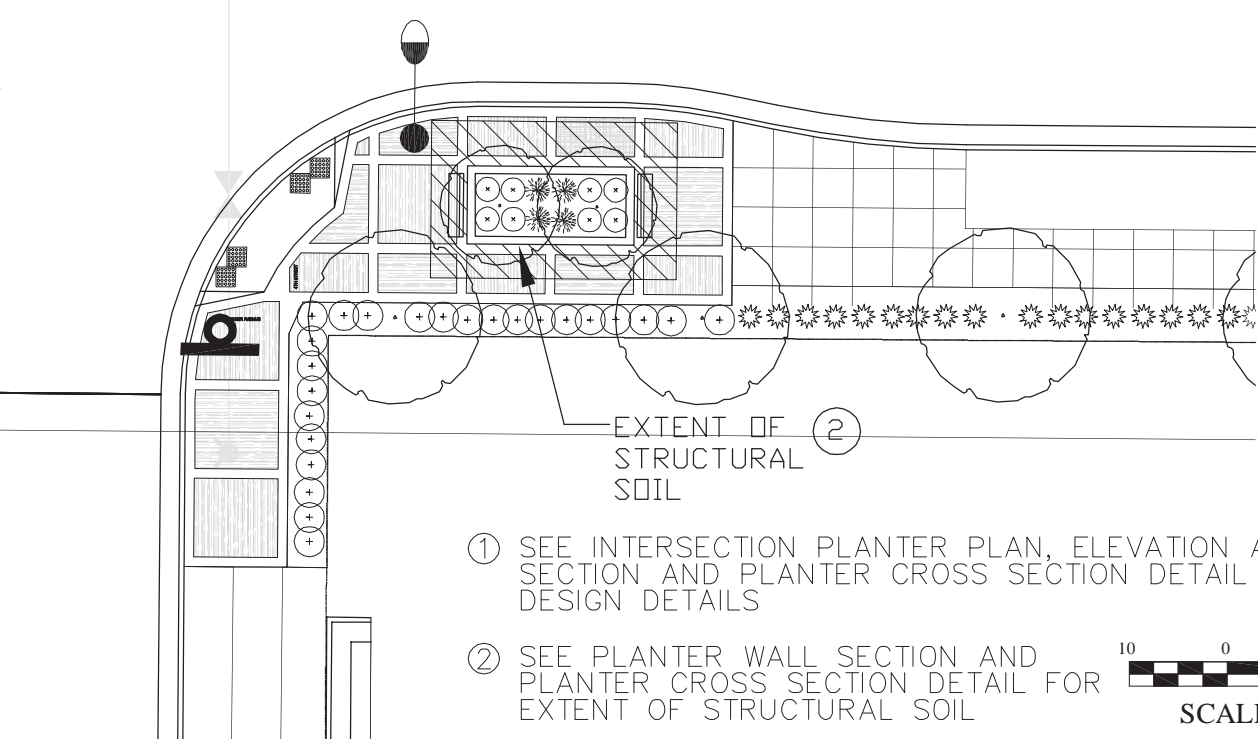
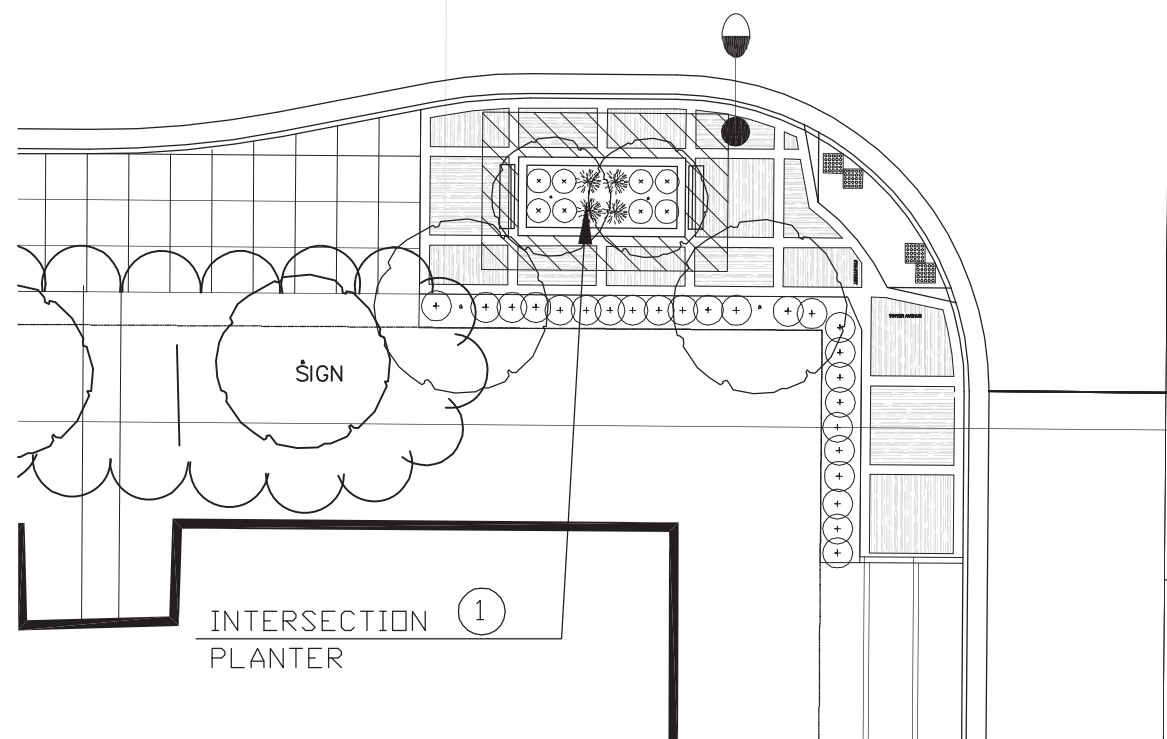
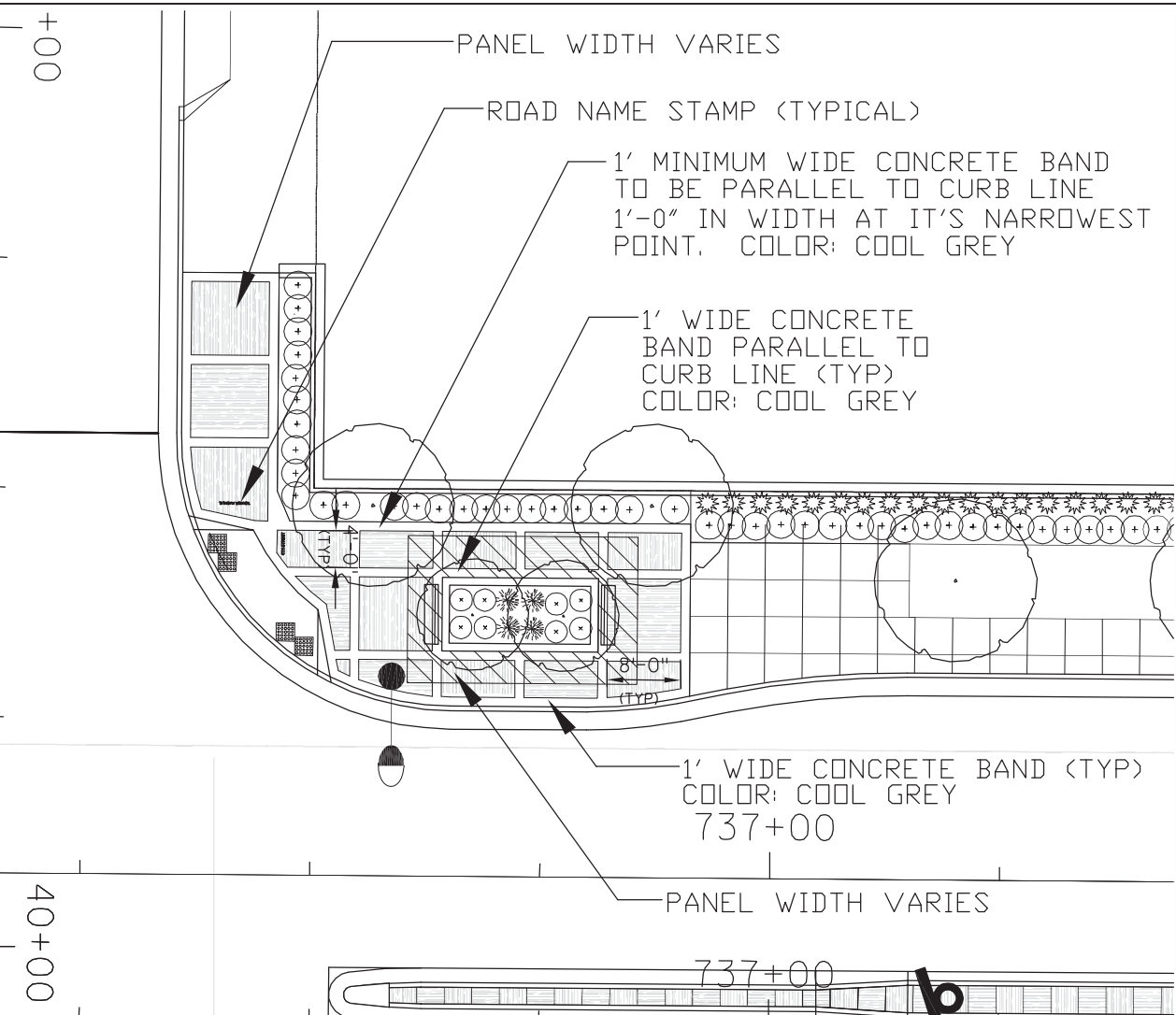
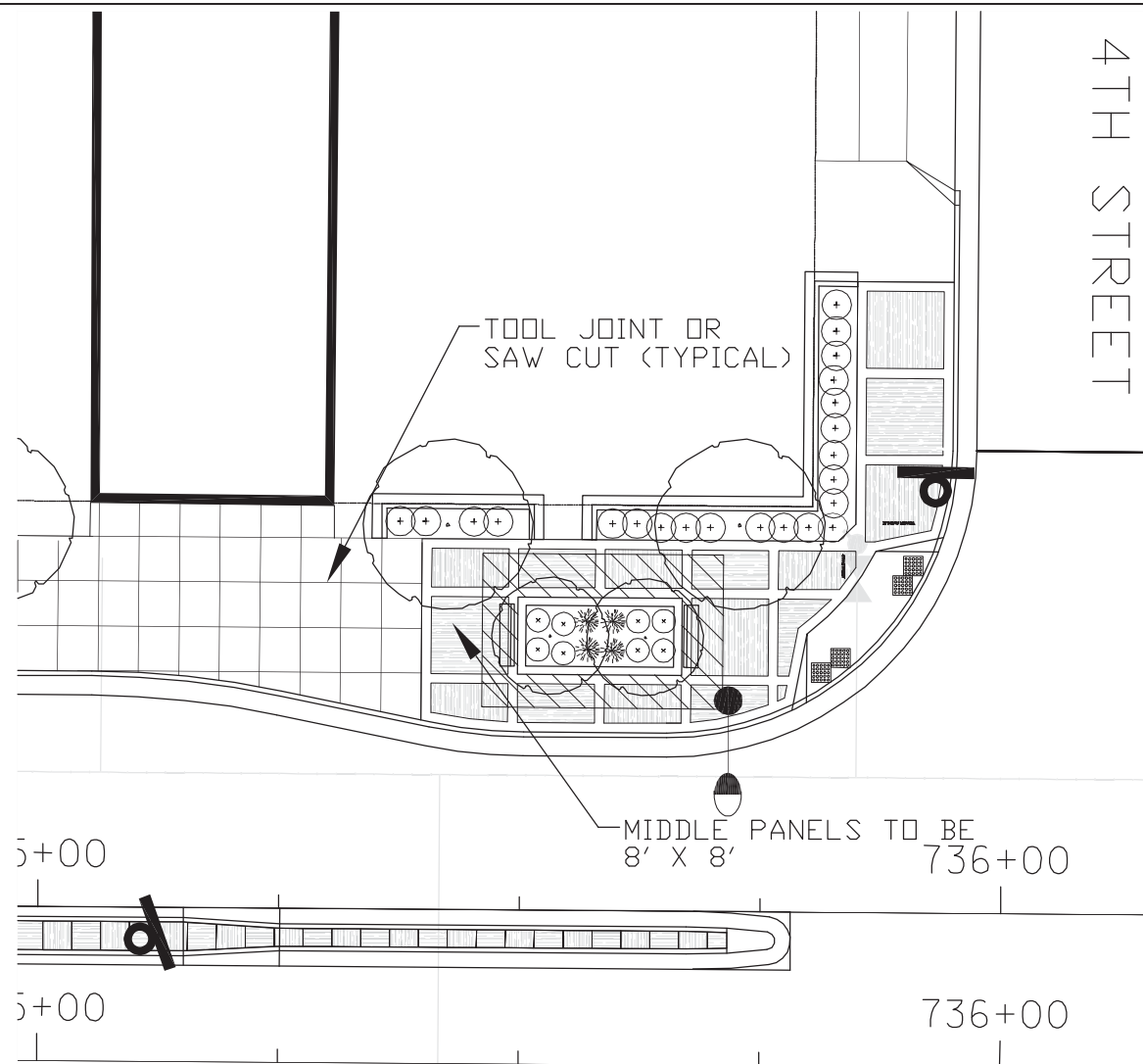


INTERSECTION PLANTER ①

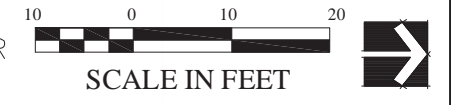
EXTENT OF STRUCTURAL SOIL ②

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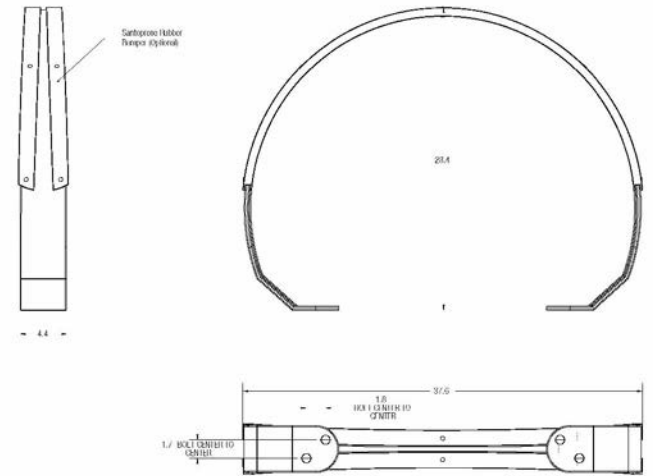
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Fremont Bike Rack

BIKE RACKS ARE TO BE BLACK IN COLOR



BIKE RACKS

NOT TO SCALE

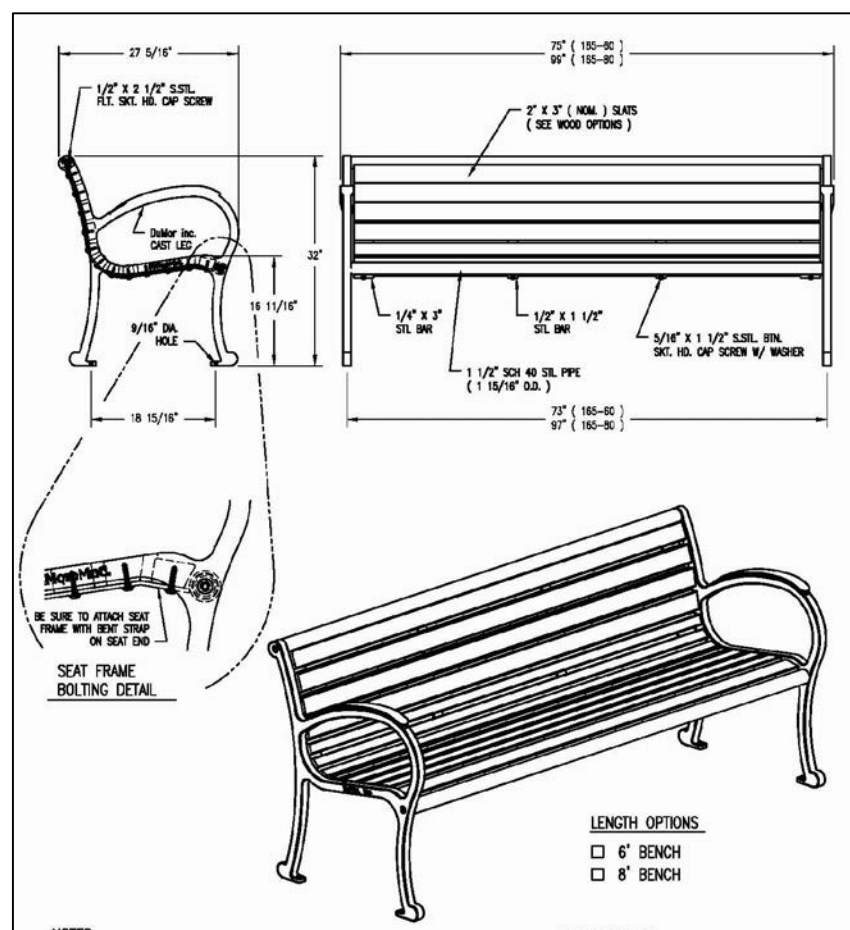
DuMor 165 Series Bench (6' Length)
MODEL #165-60I

BENCHES ARE TO BE BLACK IN COLOR WITH
IPE WOOD SLATS



BENCHES

NOT TO SCALE



Rio 40 Gallon Trash Receptacle

TRASH RECEPTACLES ARE TO BE BLACK IN COLOR

TRASH RECEPTACLES

NOT TO SCALE

7232 DELSOL TREE GRATE

72" x 72" tree grate in four sections.

1/2" Maximum slot opening for pedestrian safety and A.D.A. Compliance.

Cast from 100% recycled Iron, Aluminum, or Bronze for pedestrian loads only.

Tree opening: 16", 20", 24"
Grates can be ordered with or later expanded to these openings, please specify when ordering.

Finish: unfinished or Black dip or Enamel paint or Polyurethane Paint or Powder coat
Specify finish and color

Use frame model: 7200F-CS

Weight:
Iron= 700 lb/ 318 Kg
Aluminum=250lb/114Kg

IRONSMITH
41-701 Corporate Way #3
Palm Desert, CA 92260
800.338.4766

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IRONSMITH DEL SOL TREE GRATE (72" SQUARE)



ELECTRIC RECEPTACLE

TREE GRATES AND FRAME ARE TO BE OF HIGH STRENGTH ASTM A-536 UNFINISHED DUCTILE IRON

7232 DELSOL TREE GRATE

Lightwell recessed 3/8" from top surface of grate.

Two bolting lugs, threaded 3/8"-16 for mounting accessories.

IRONSMITH
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ELECTRIC RECEPTACLE LOCATION
TREE GRATE DETAIL

NOT TO SCALE

7200FCS SQUARE TREE GRATE FRAME

WITH DETAIL #1- STANDARD CONCRETE ANCHORS

FRAME JIG WELDED FROM 1-3/4" x 1-3/4" x 1/4" STEEL ANGLE PER ASTM A36

ANCHORS 1/2" NELSON ANCHORS MACHINE WELDED TO FRAME

CROSS SUPPORTS FABRICATED FROM 2-1/2" x 2-1/2" x 1/4" STEEL ANGLE AND SUPPLIED IN A BOLT TOGETHER SECTIONS

NOTE:
FOR TREE GRATES WITH OPENINGS LARGER THAN 30" FRAME OPENING IS 41"

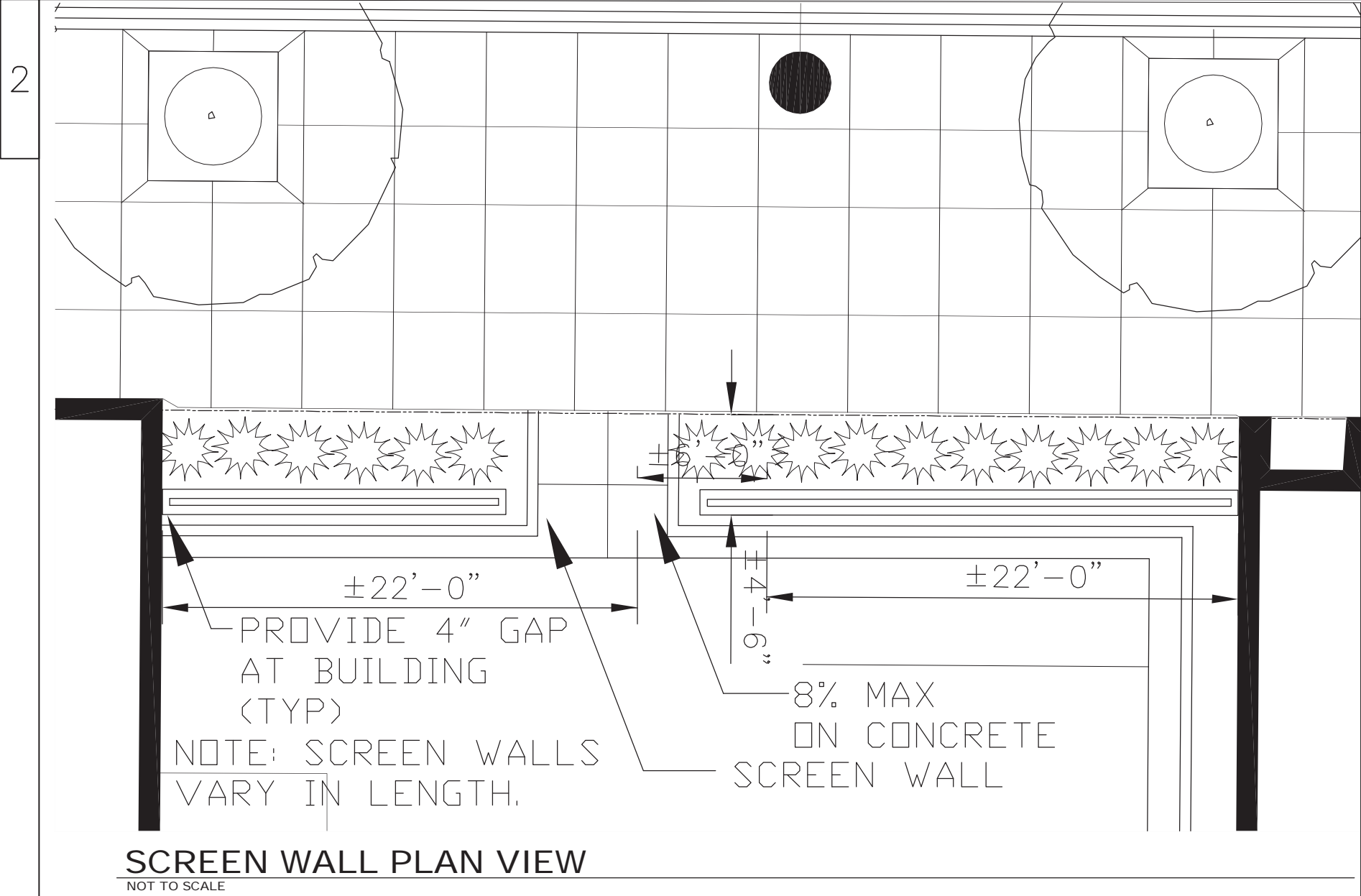
FRAME FINISH: UNFINISHED or GALVANIZED or POWDER COAT

OTHER INSTALLATION CONFIGURATIONS AVAILABLE

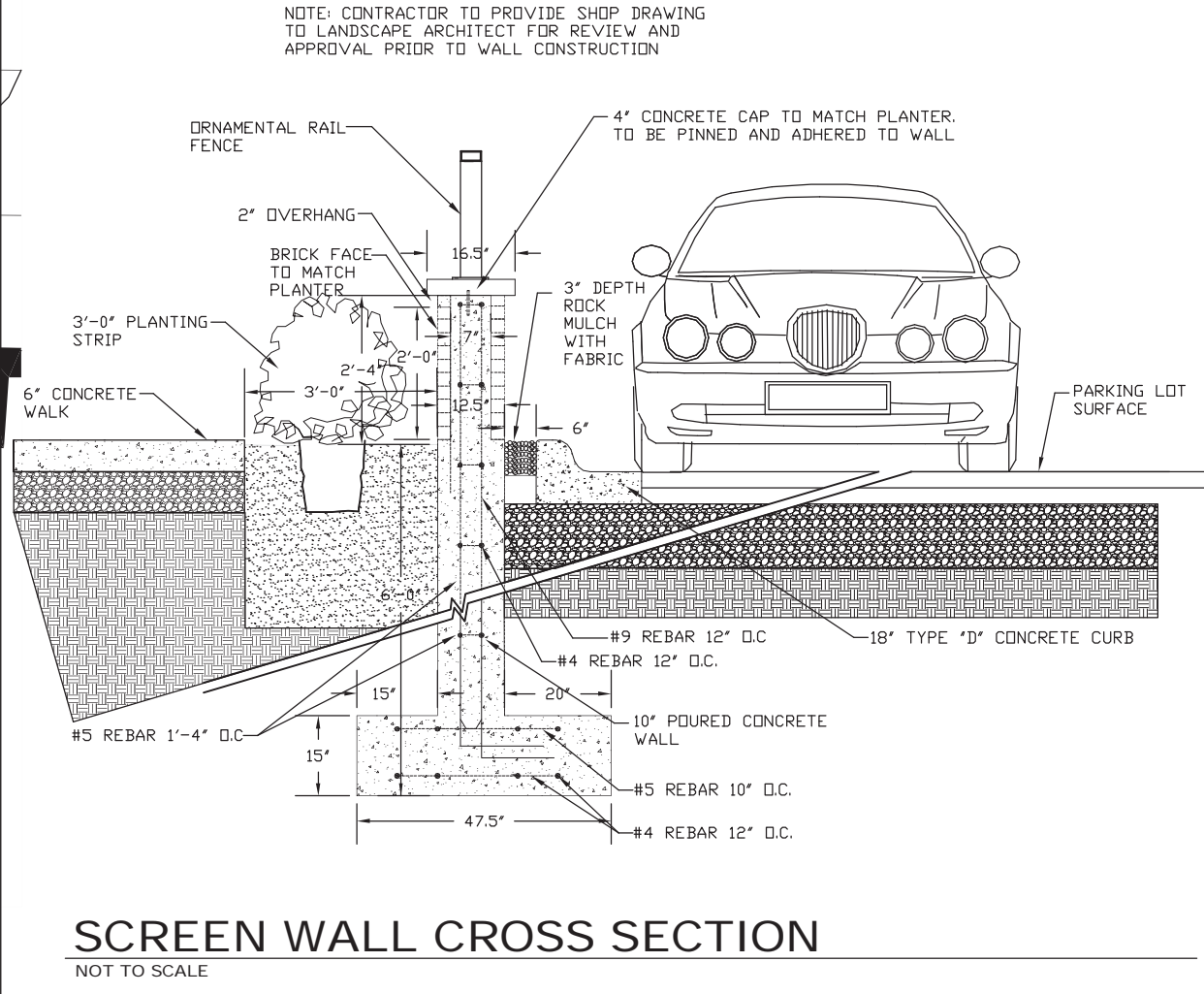
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41701 Corporate Way #3
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(800) 338-4766
www.ironsmith.biz

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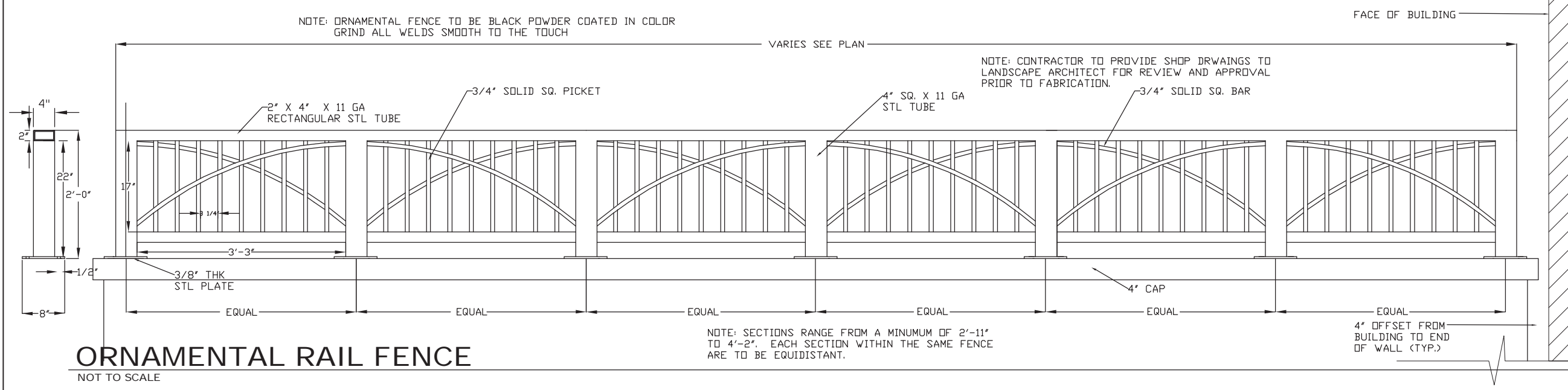
SQUARE TREE GRATE FRAME



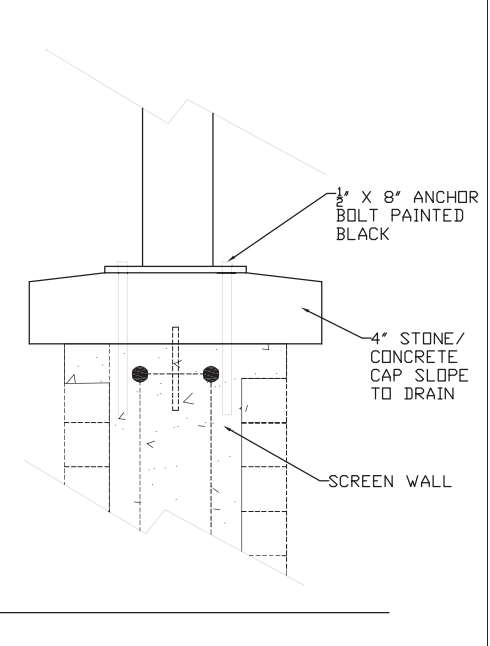
SCREEN WALL PLAN VIEW
NOT TO SCALE

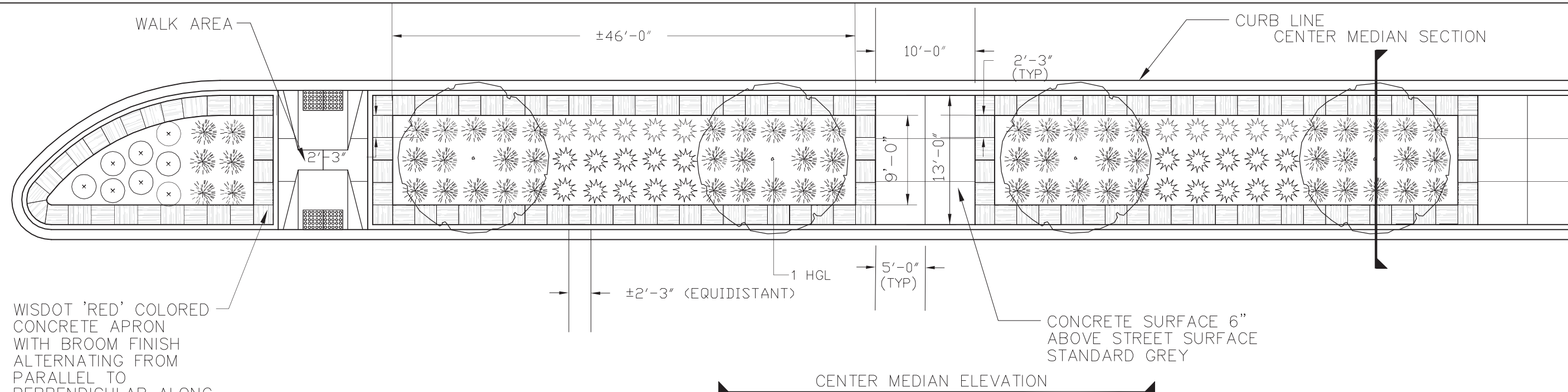


SCREEN WALL CROSS SECTION
NOT TO SCALE



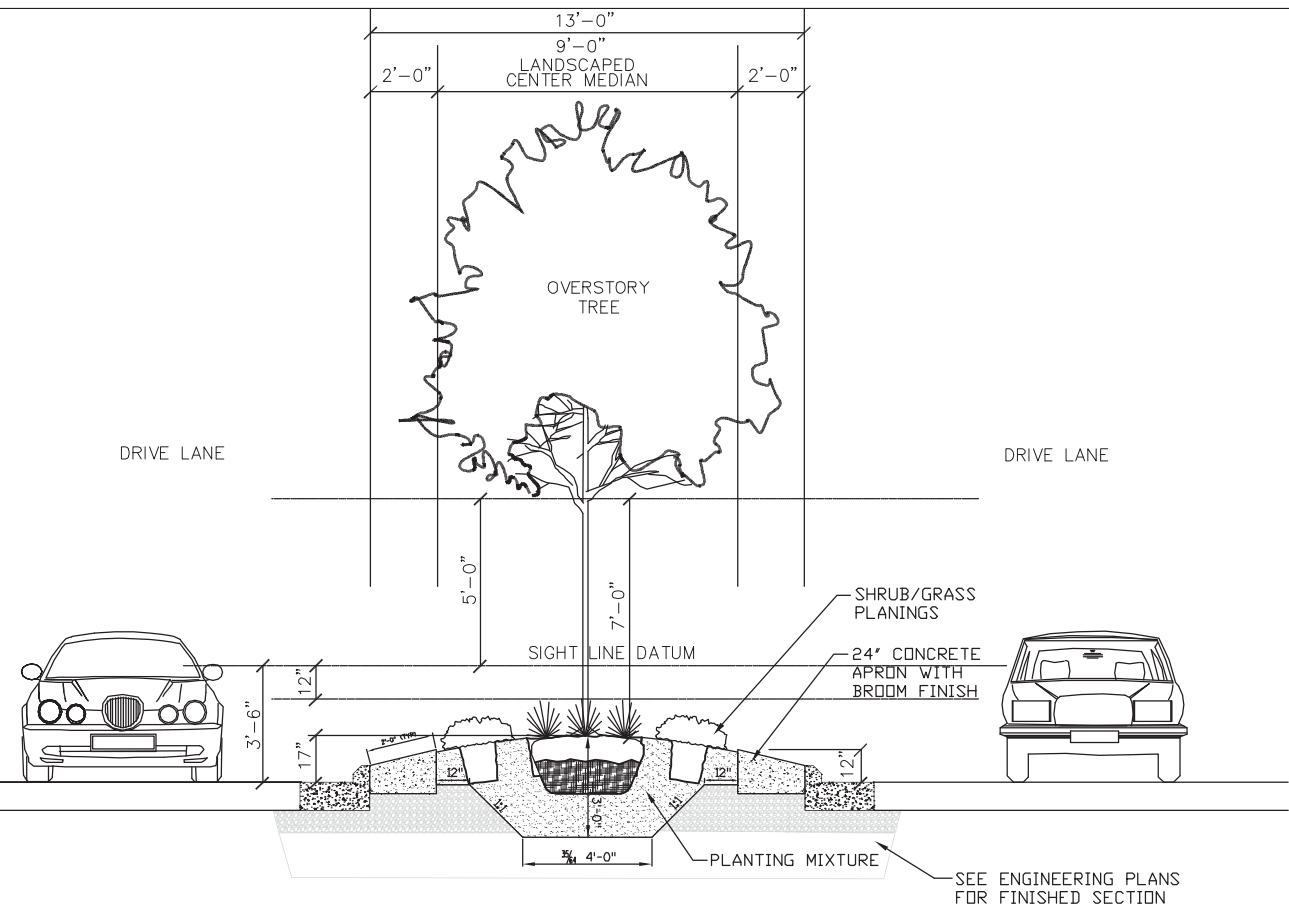
ORNAMENTAL RAIL FENCE
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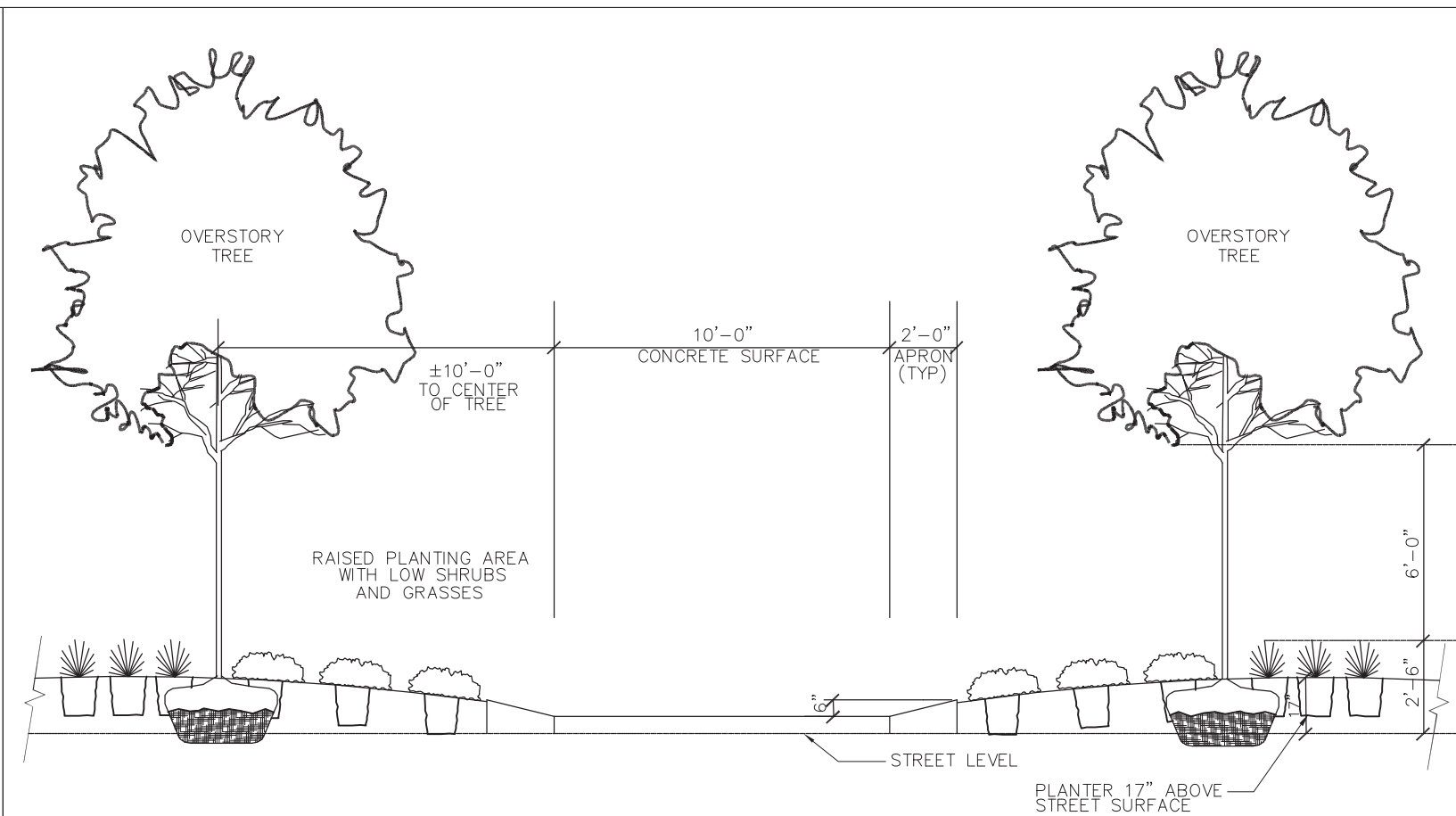
PLANTED CENTER MEDIAN PLAN VIEW

NOT TO SCALE



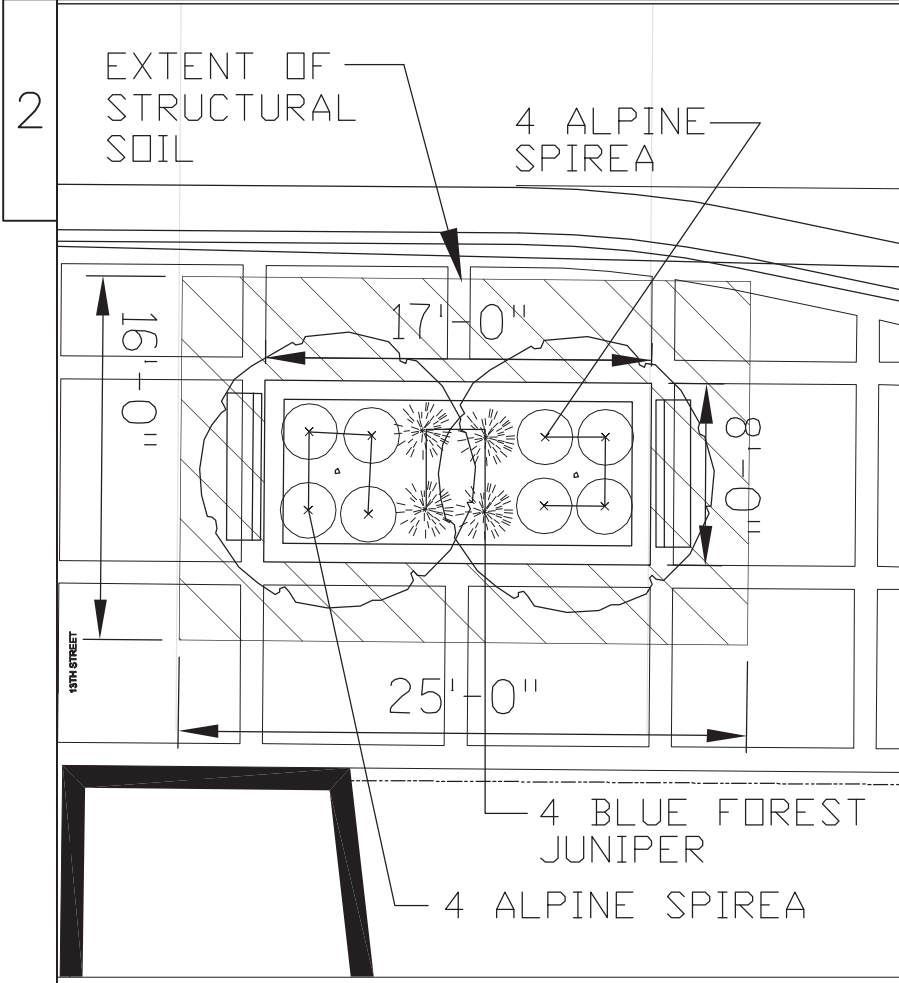
PLANTED CENTER MEDIAN SECTION

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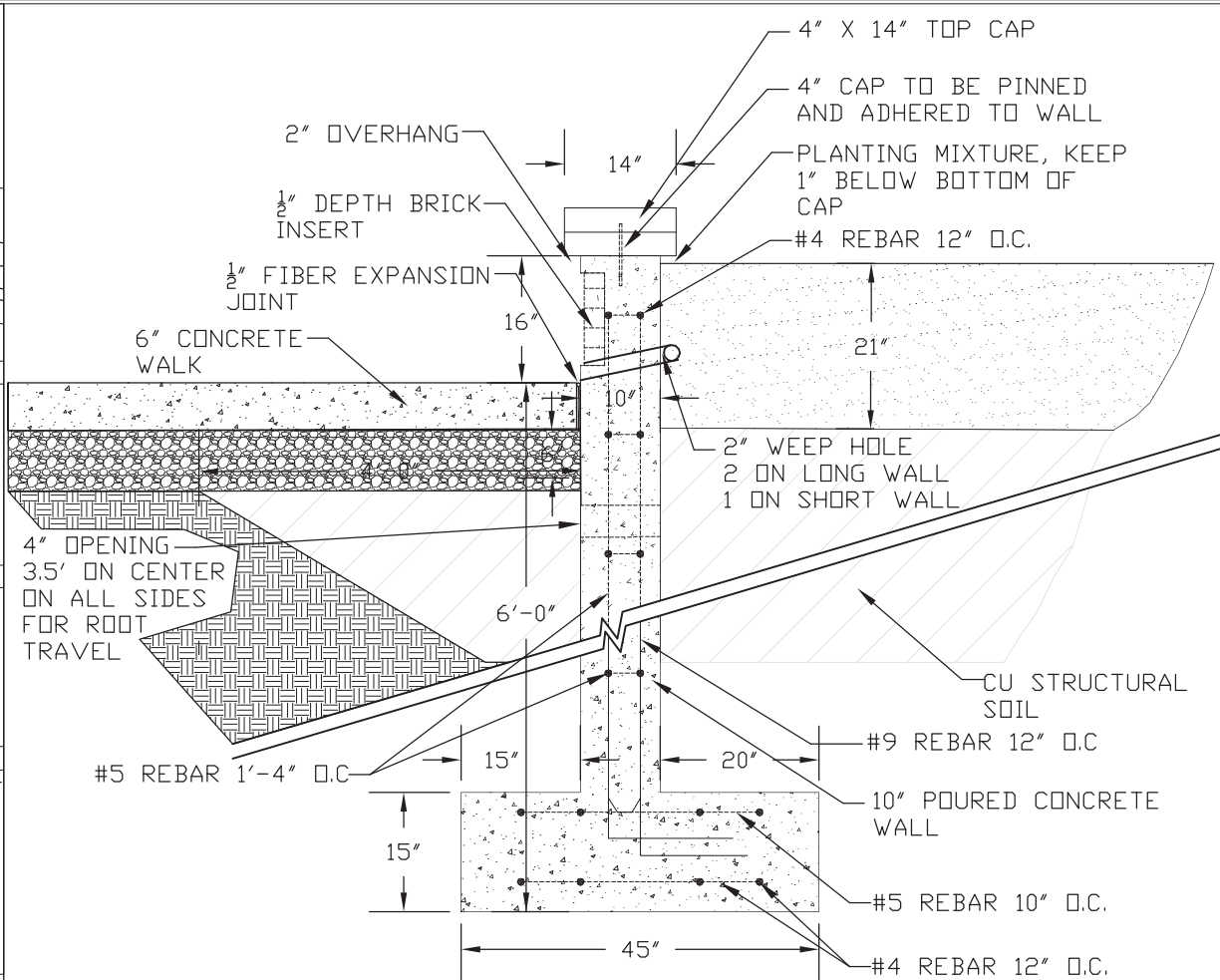
PLANTED CENTER MEDIAN ELEVATION

NOT TO SCALE



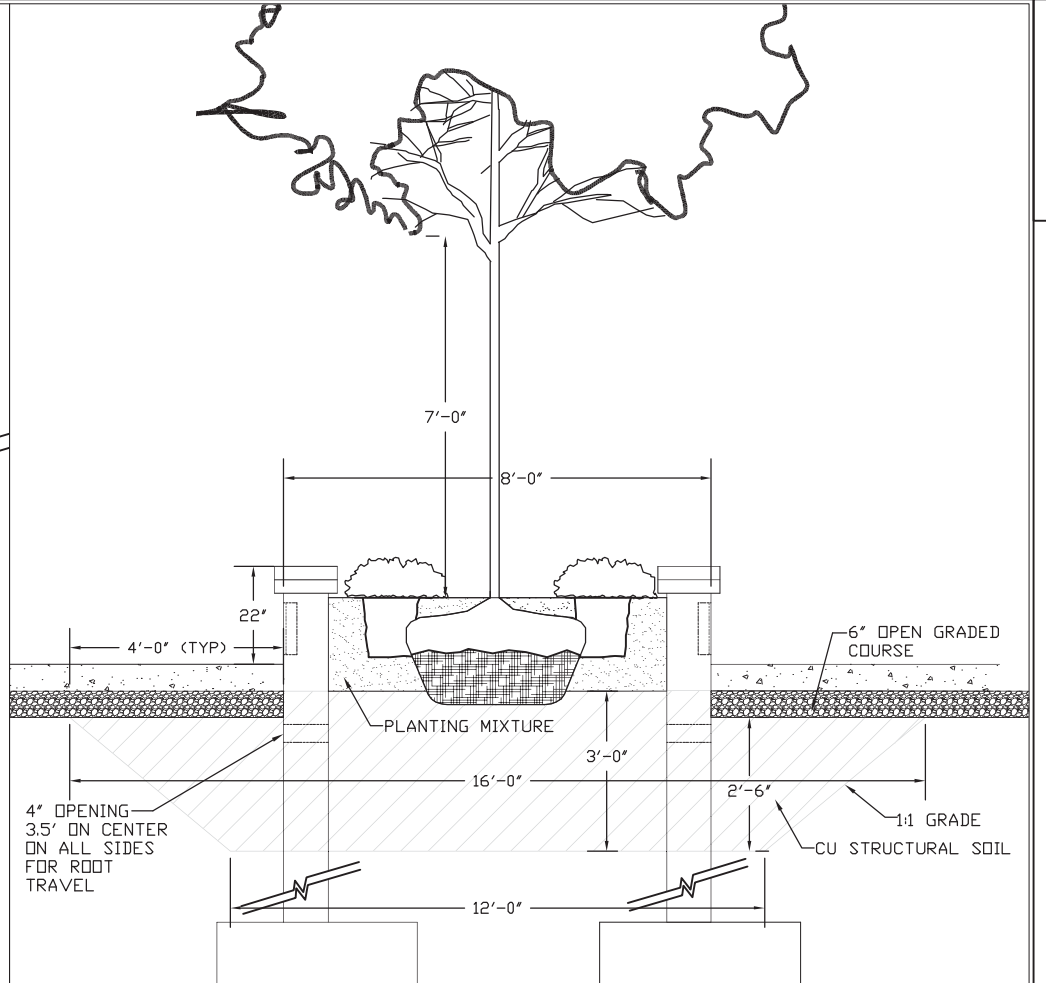
INTERSECTION PLANTER

PLAN VIEW NOT TO SCALE



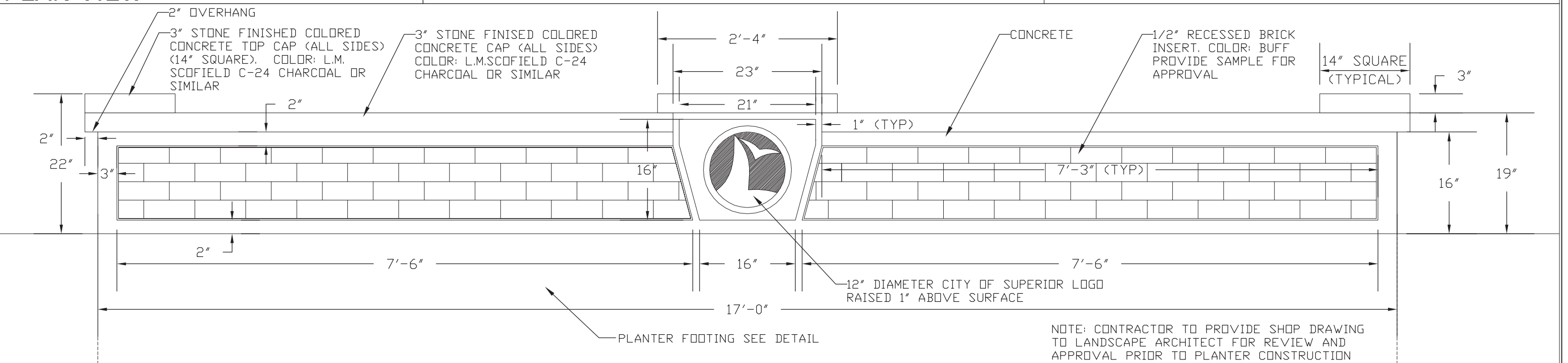
PLANTER WALL SECTION

NOT TO SCALE



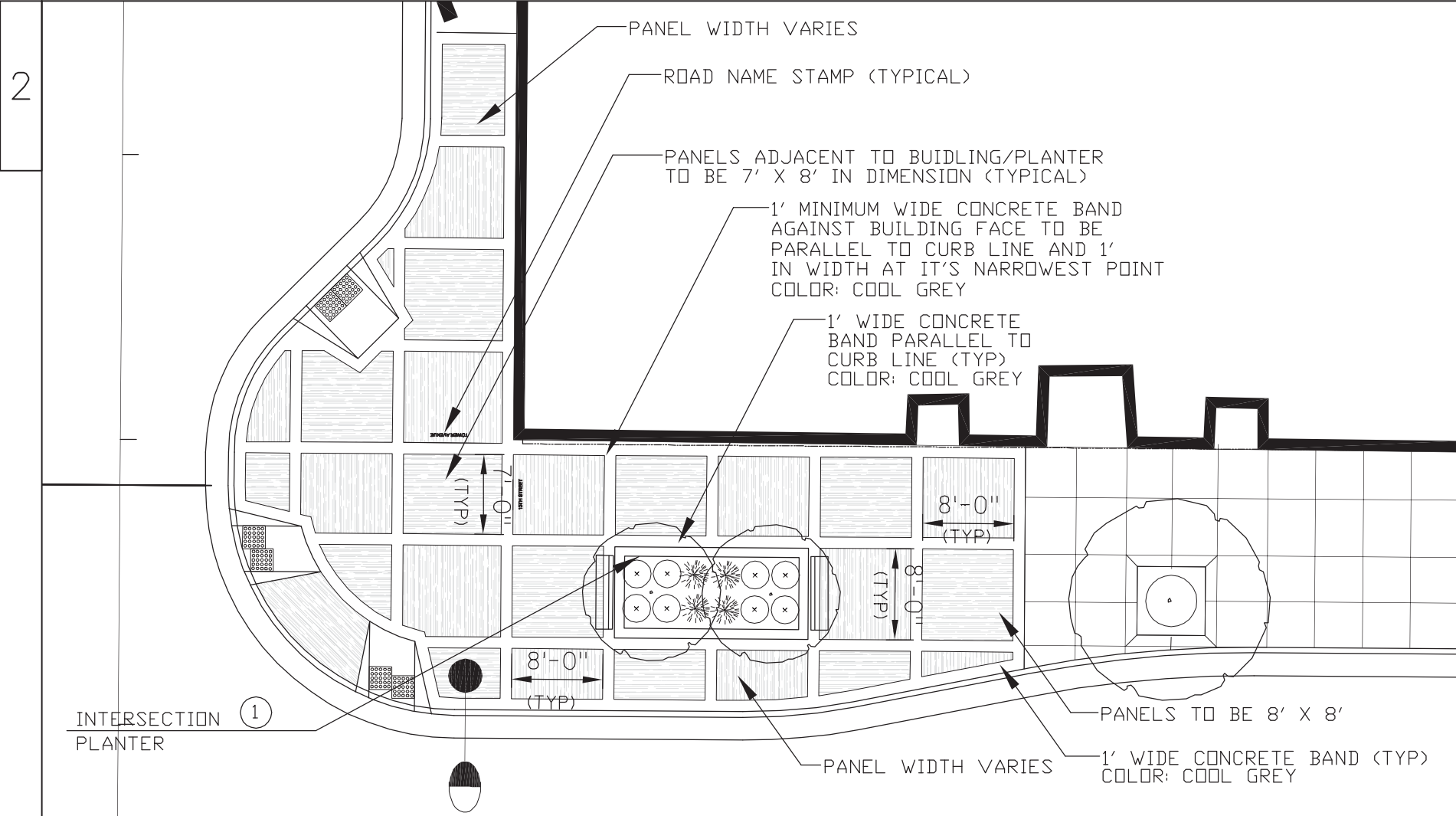
PLANTER CROSS SECTION

NOT TO SCALE



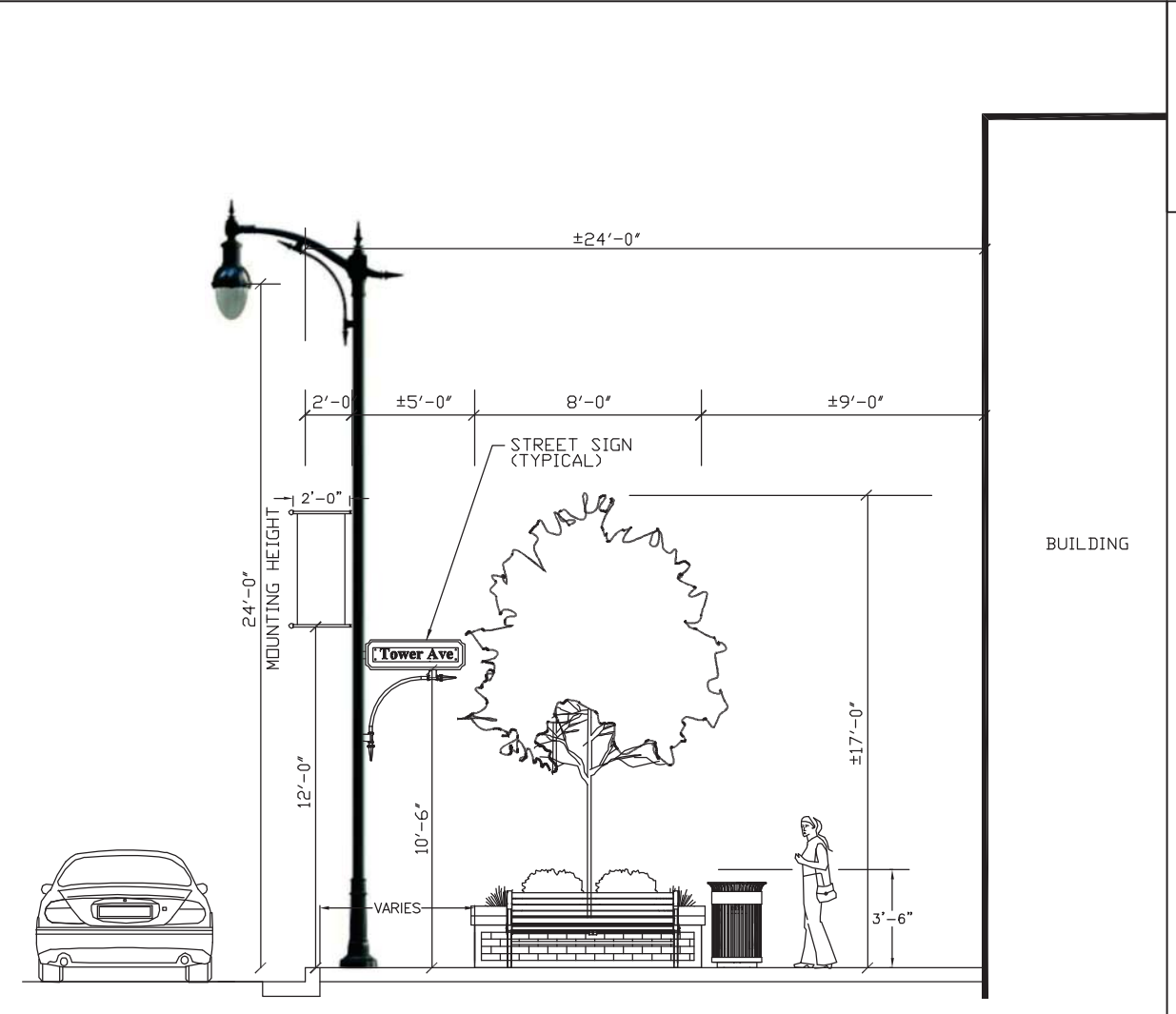
INTERSECTION PLANTER ELEVATION

NOT TO SCALE



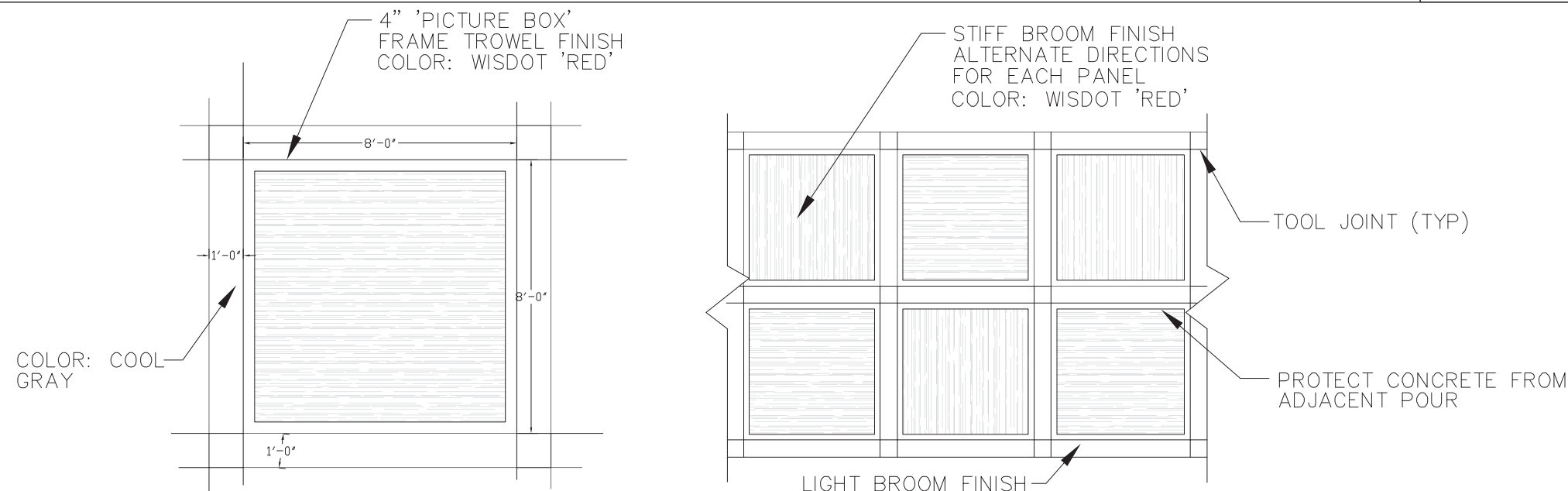
INTERSECTION BUMP OUT PLAN VIEW (SOUTH END TYPICAL)

NOT TO SCALE



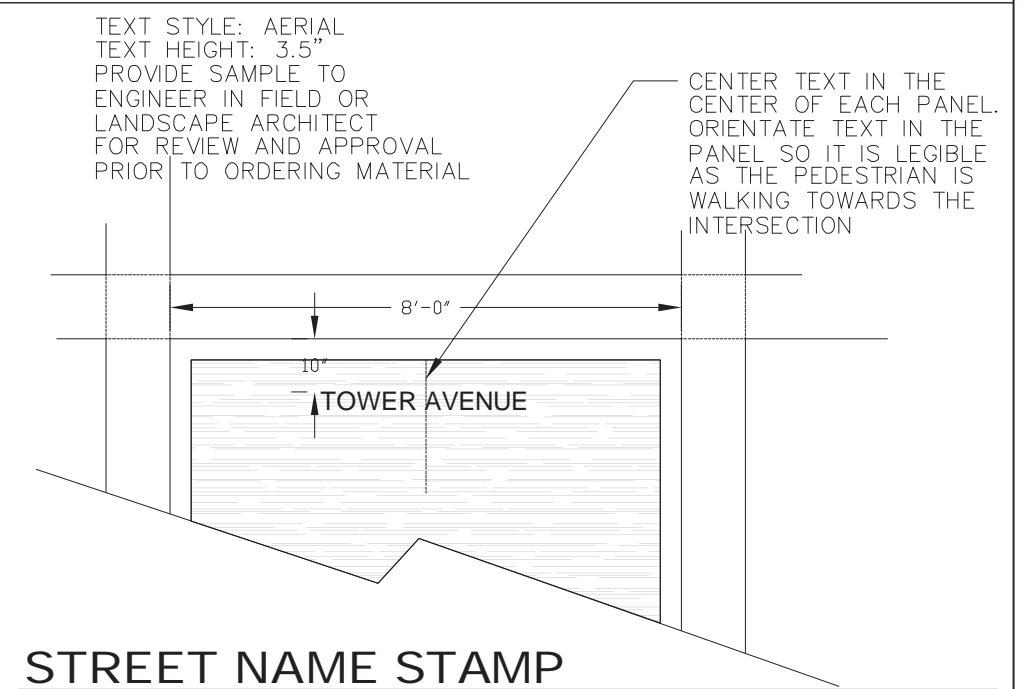
INTERSECTION BUMP OUT ELEVATION

NOT TO SCALE



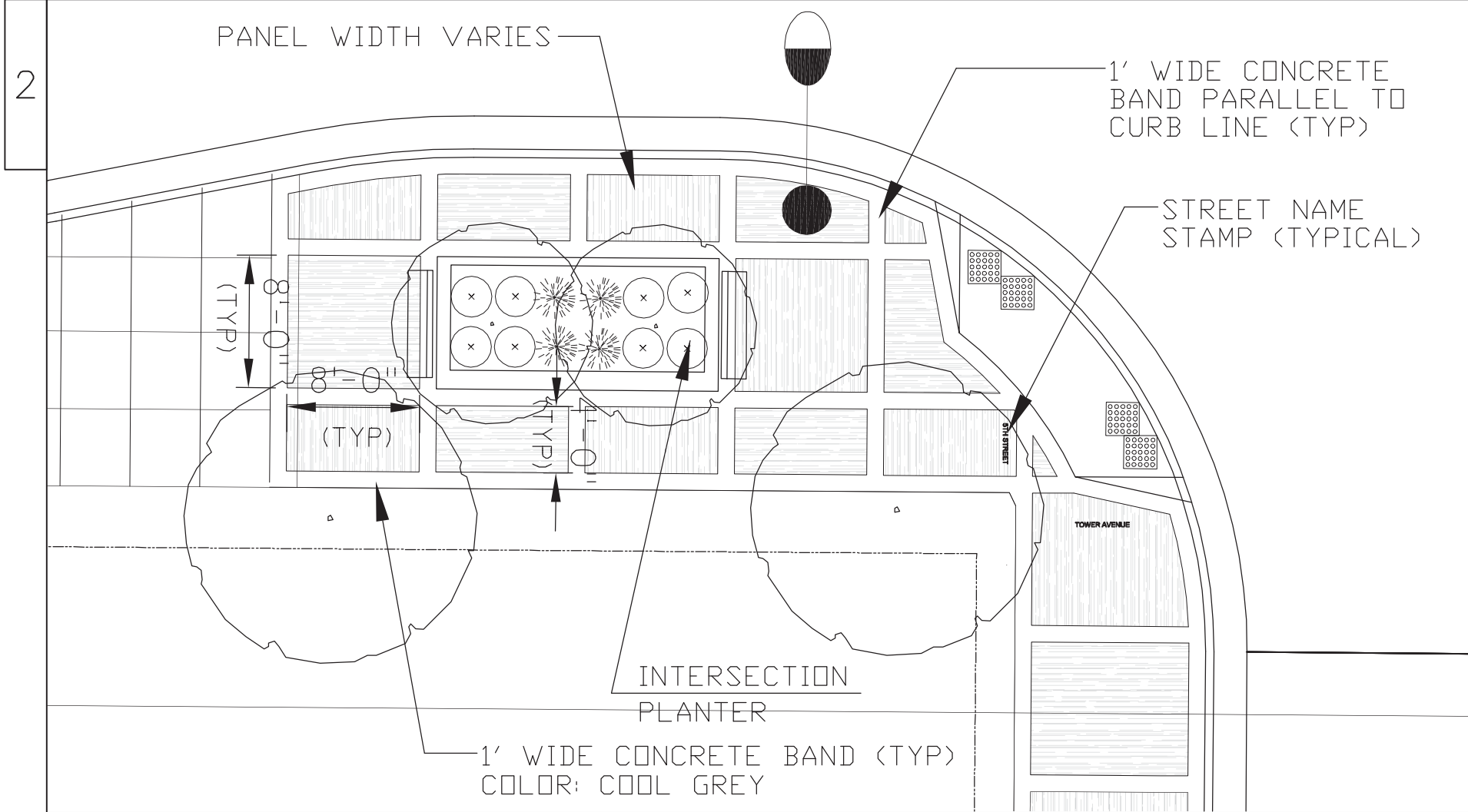
INTERSECTION BUMP OUT COLORED CONCRETE DETAIL

NOT TO SCALE



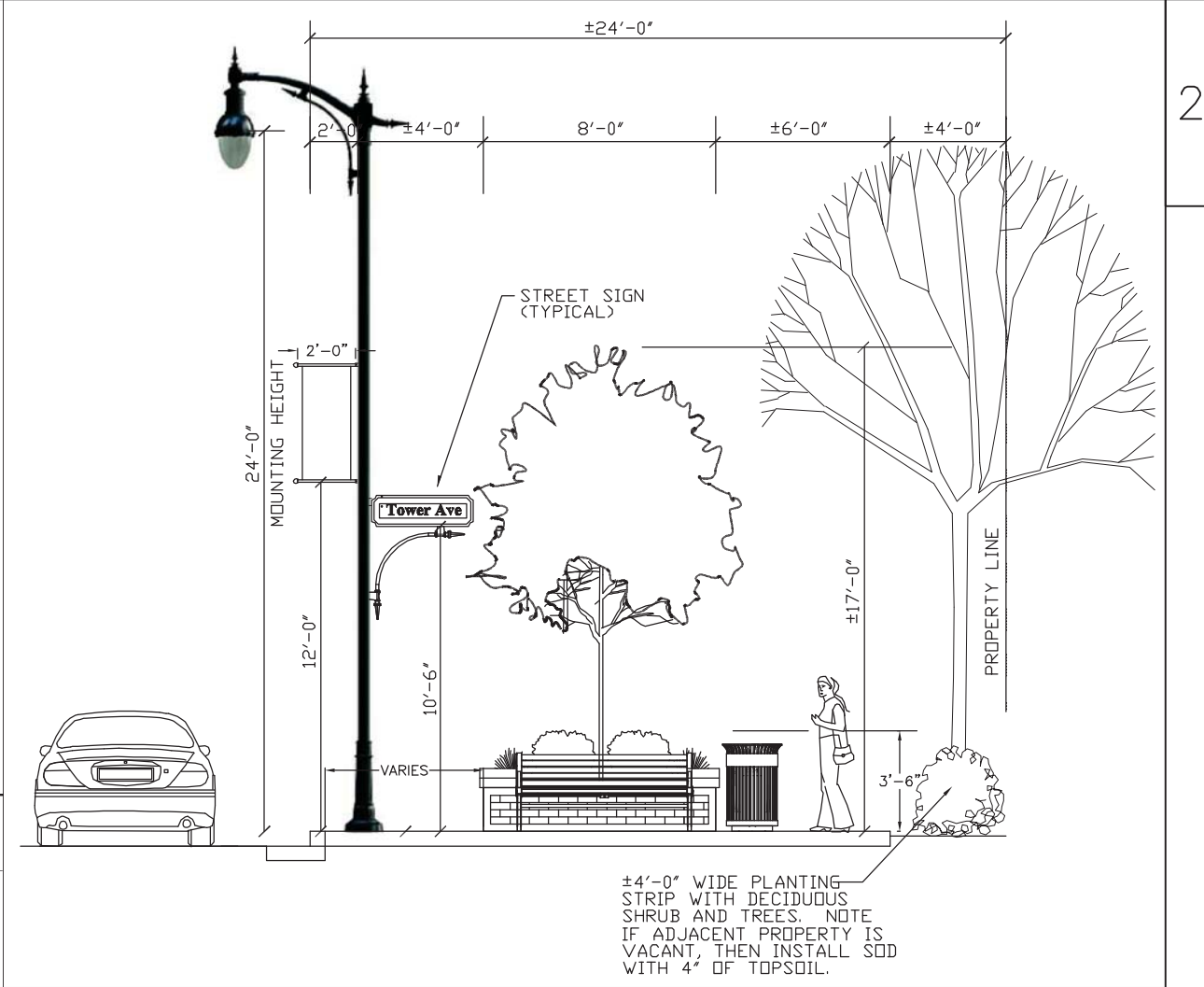
STREET NAME STAMP

NOT TO SCALE



INTERSECTION BUMP OUT PLAN VIEW (NORTH END TYPICAL)

NOT TO SCALE

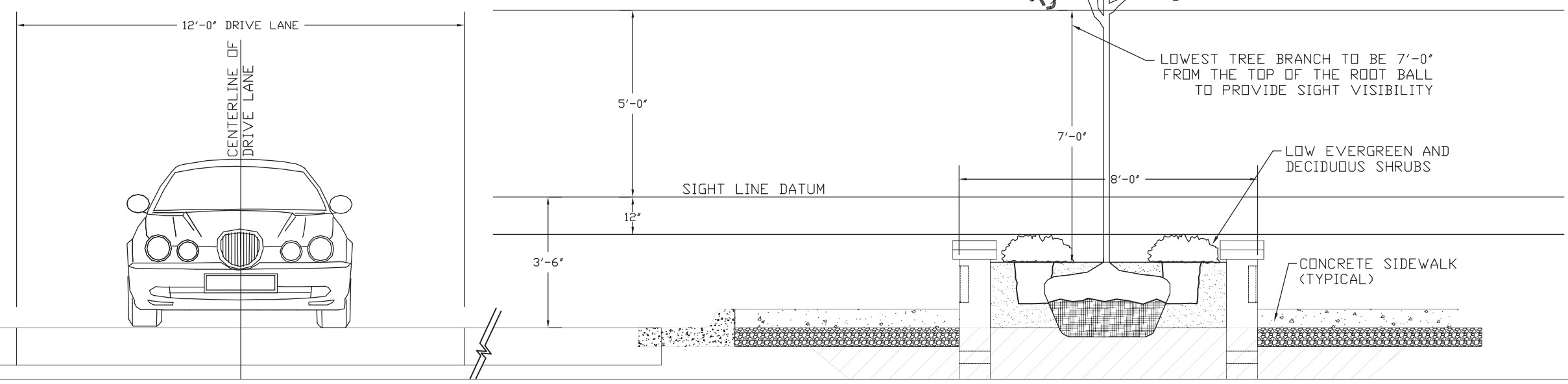


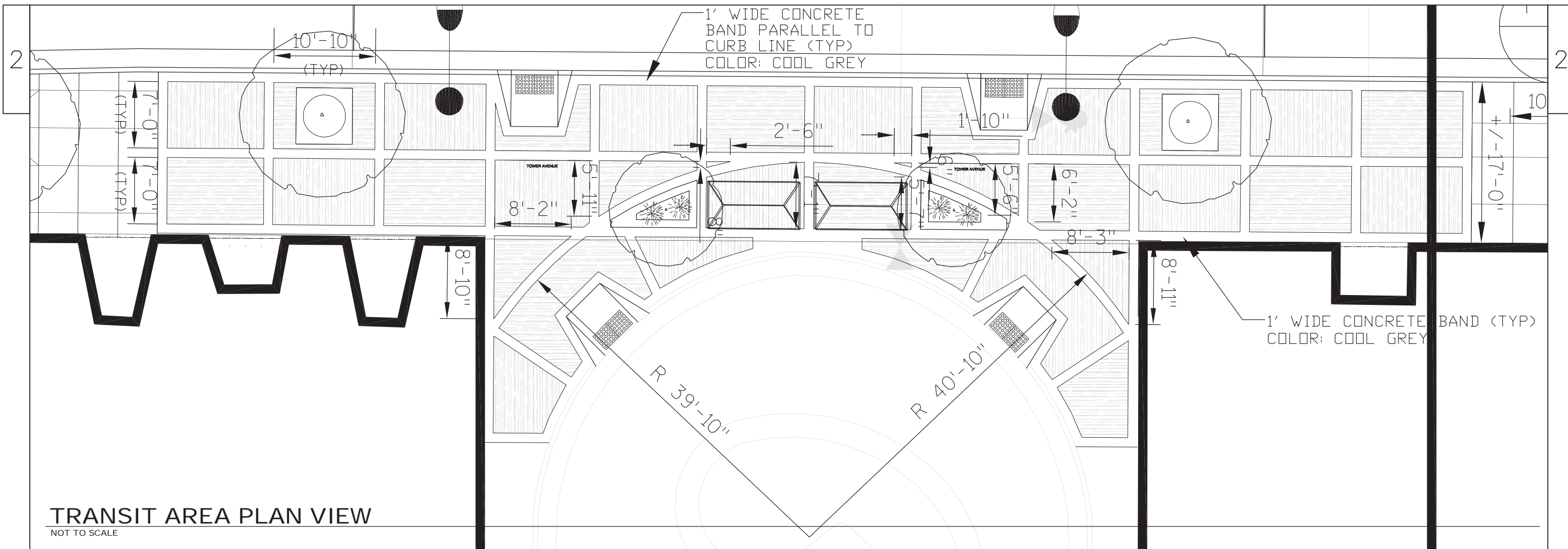
INTERSECTION BUMP OUT ELEVATION

NOT TO SCALE

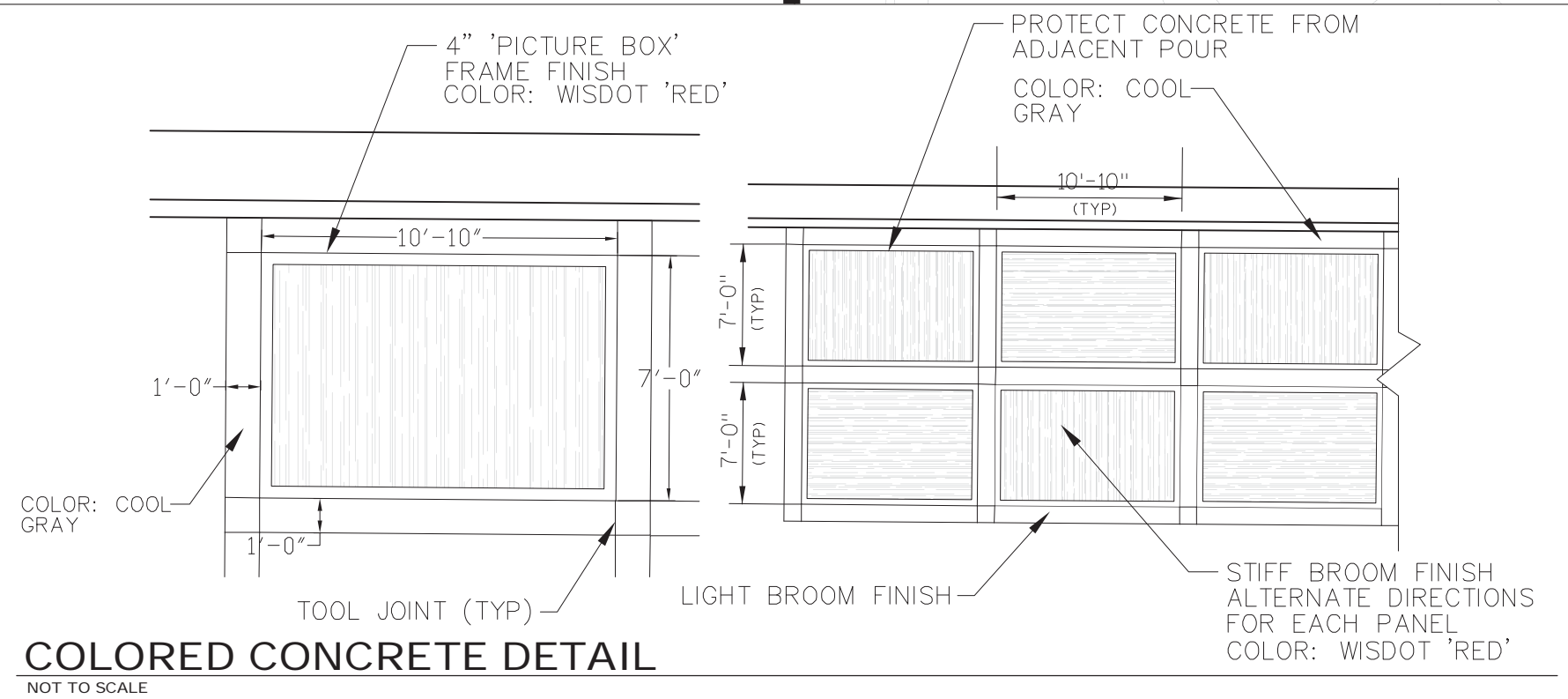
INTERSECTION PLANTER SIGHT VISIBILITY

NOT TO SCALE

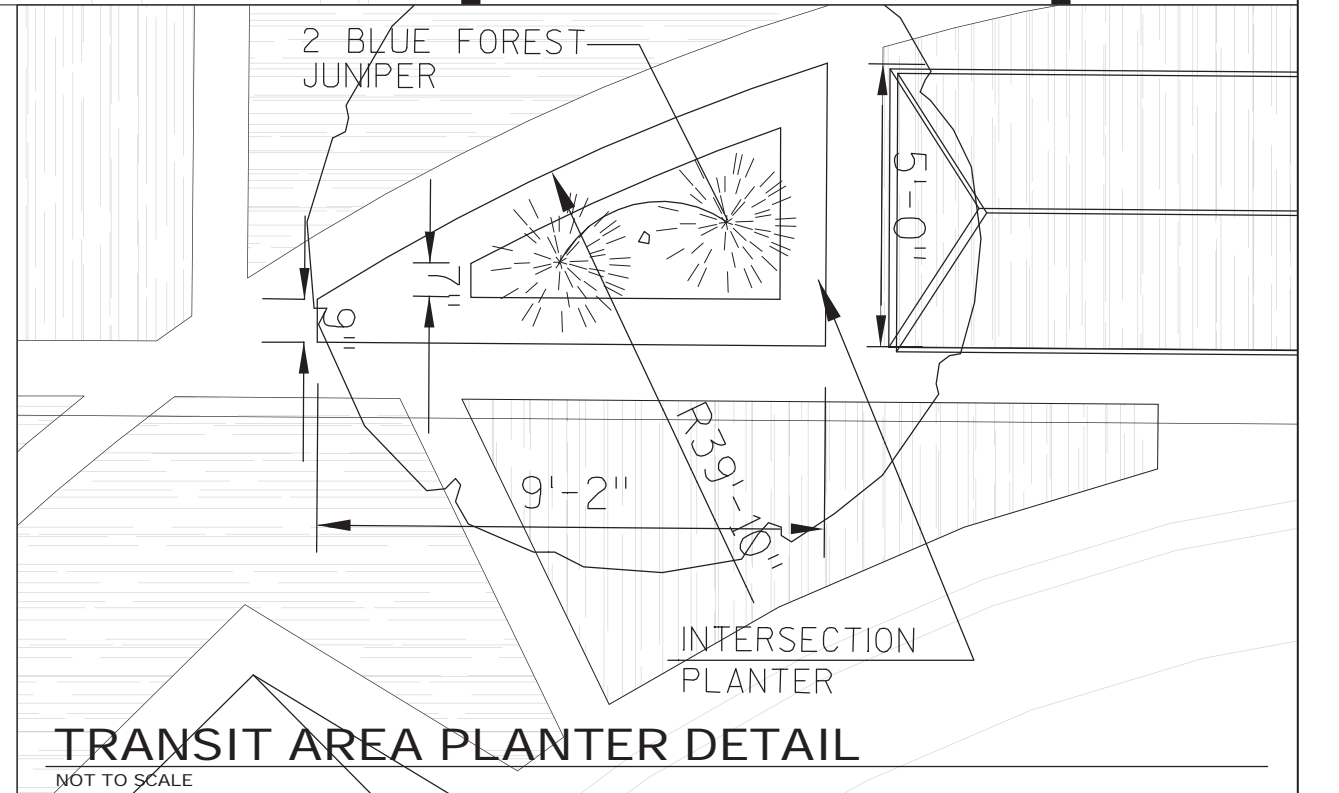




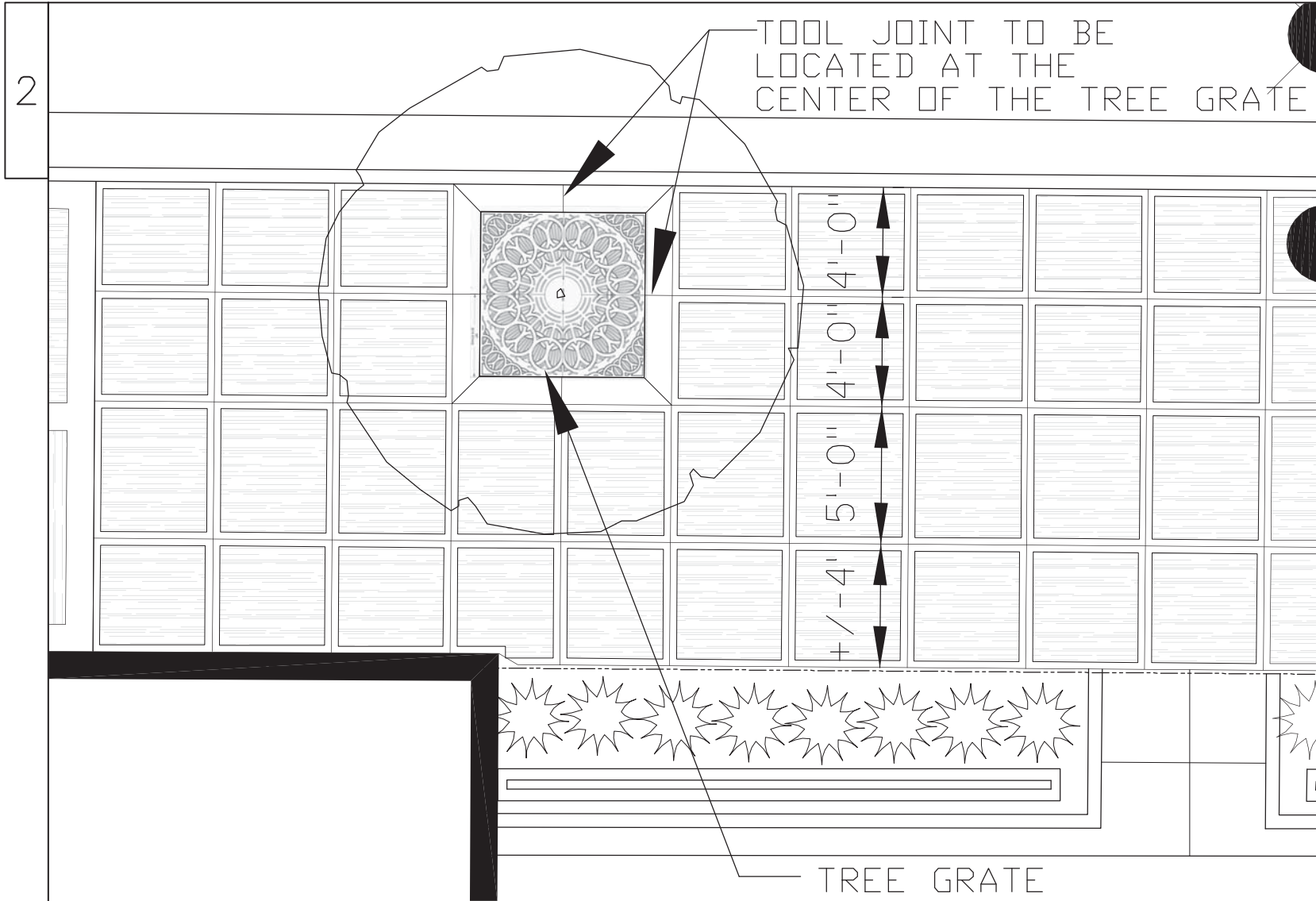
TRANSIT AREA PLAN VIEW
NOT TO SCALE



COLORED CONCRETE DETAIL
NOT TO SCALE

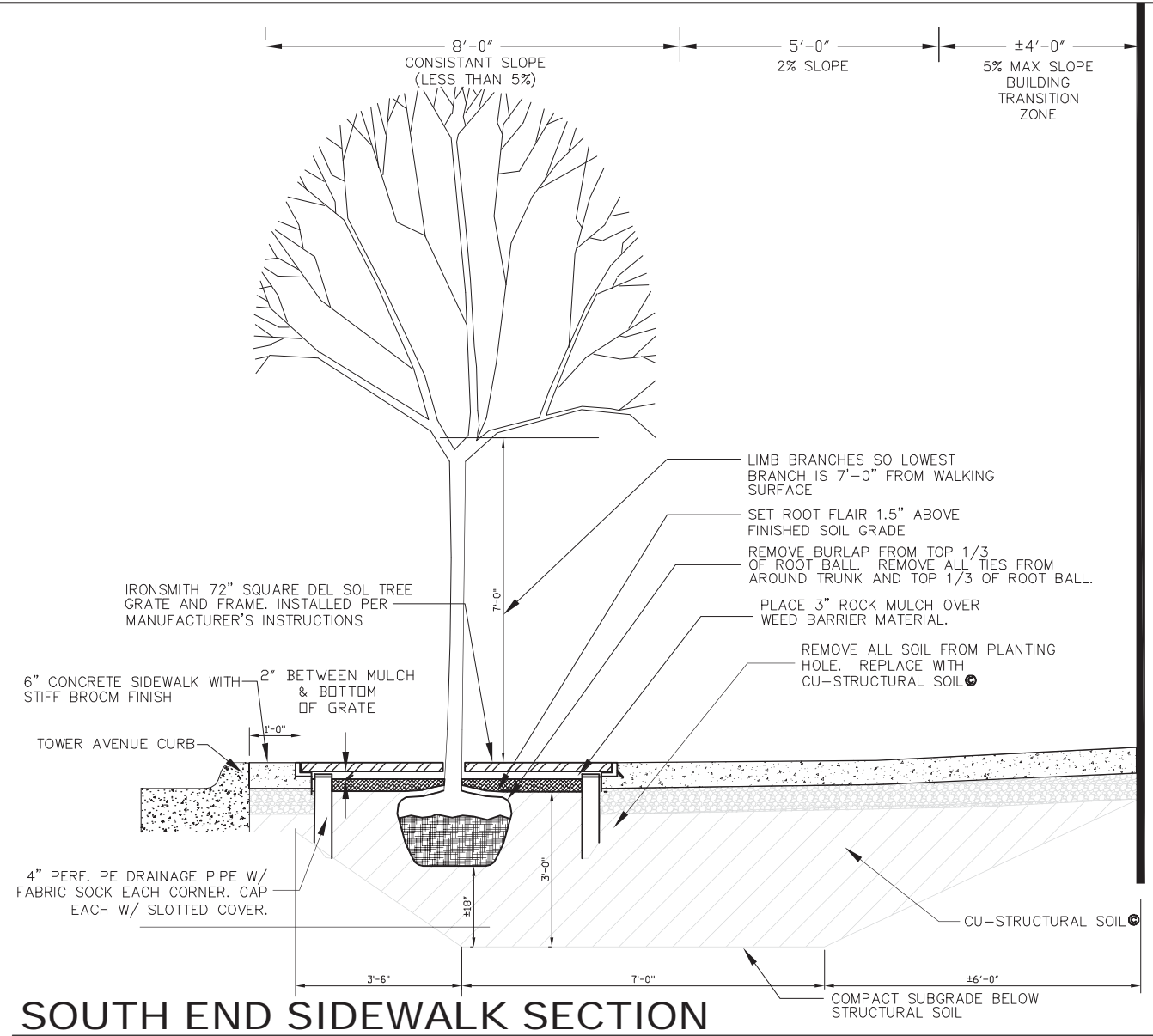


TRANSIT AREA PLANTER DETAIL
NOT TO SCALE



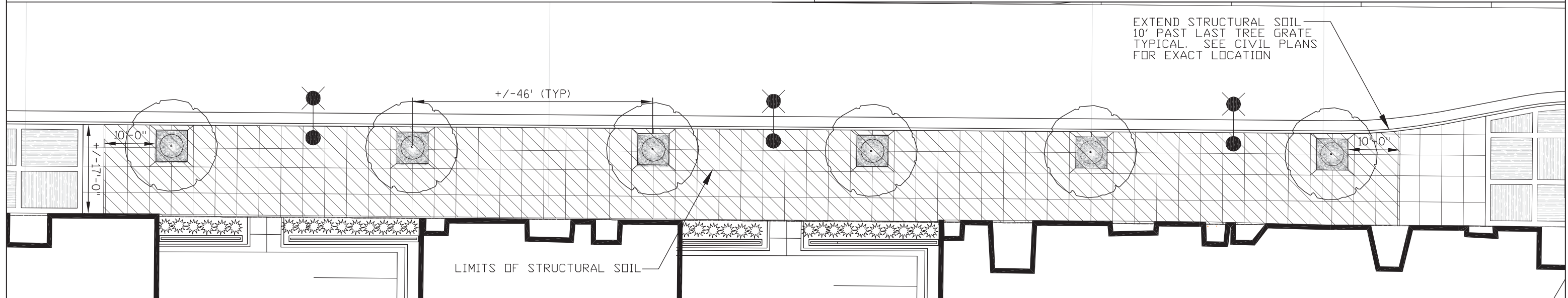
SOUTH END SIDEWALK PLAN VIEW

NOT TO SCALE



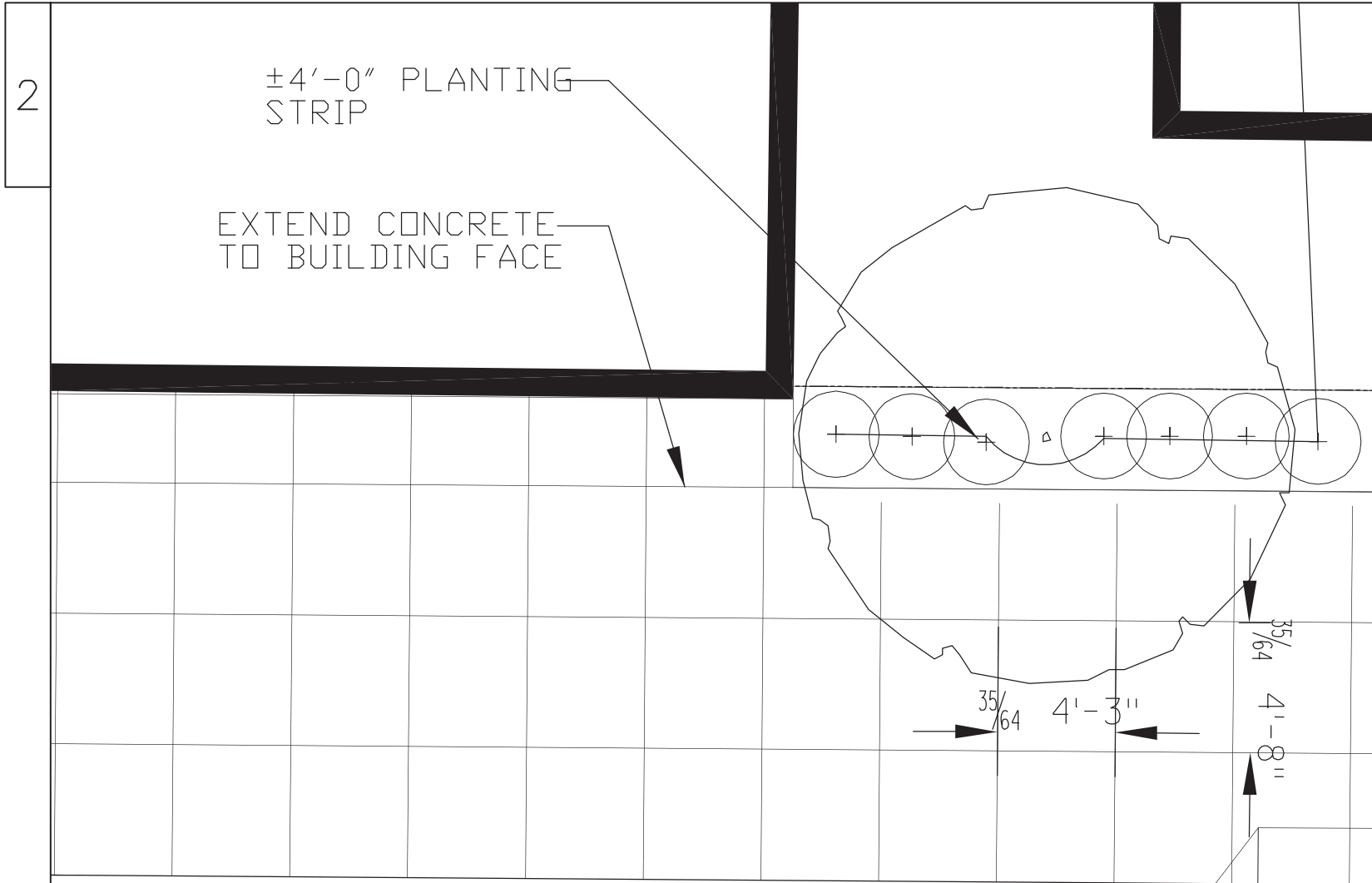
SOUTH END SIDEWALK SECTION

NOT TO SCALE



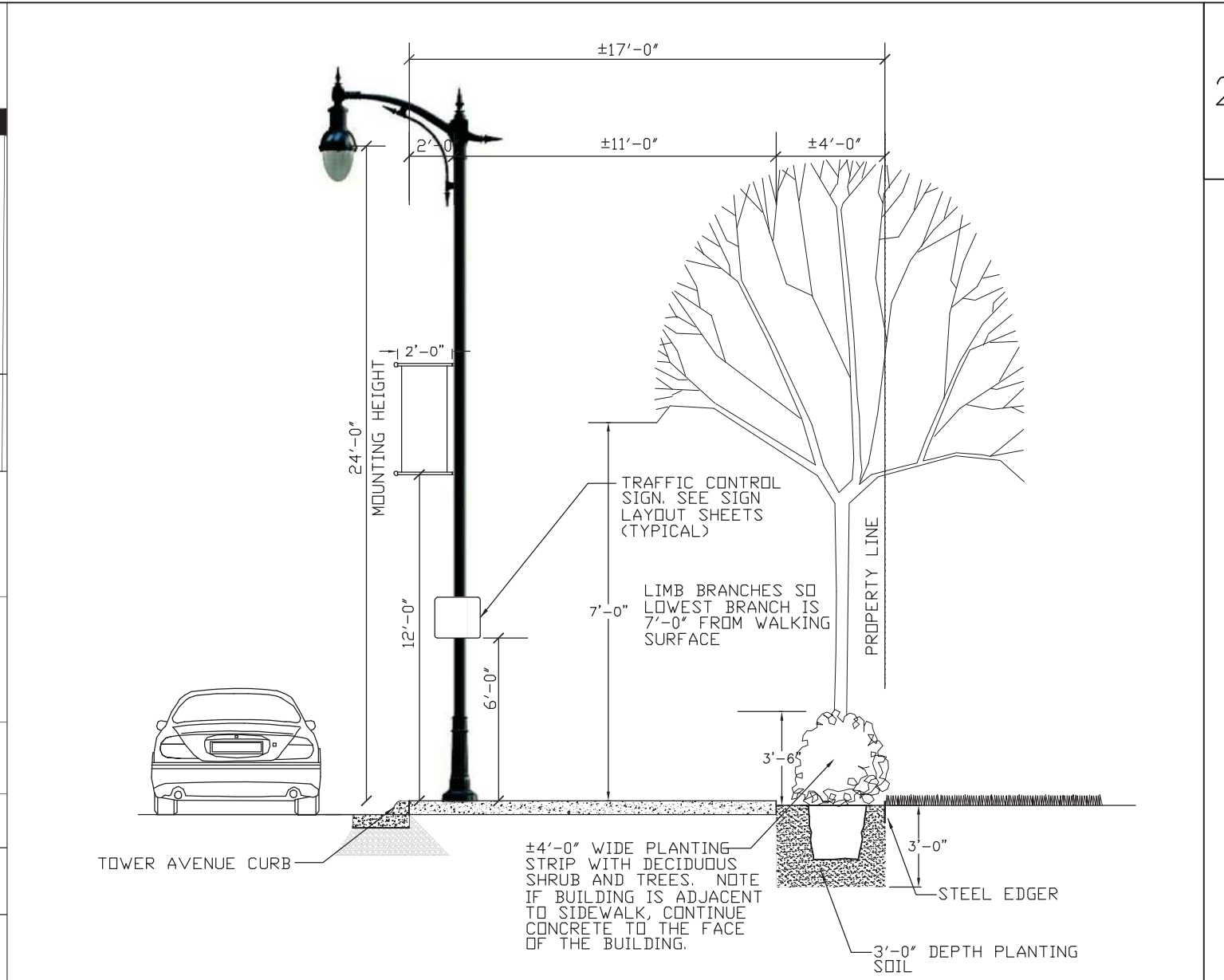
SOUTH END STRUCTURAL SOIL PLAN

NOT TO SCALE



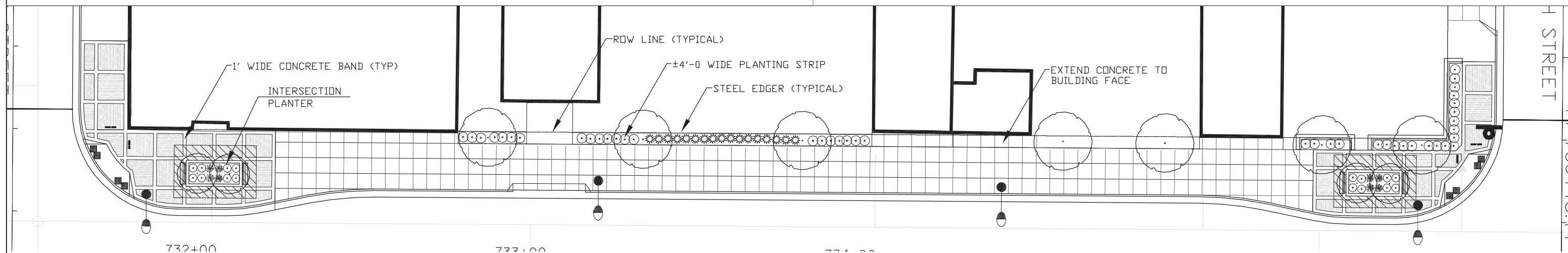
NORTH END SIDEWALK PLAN VIEW

NOT TO SCALE



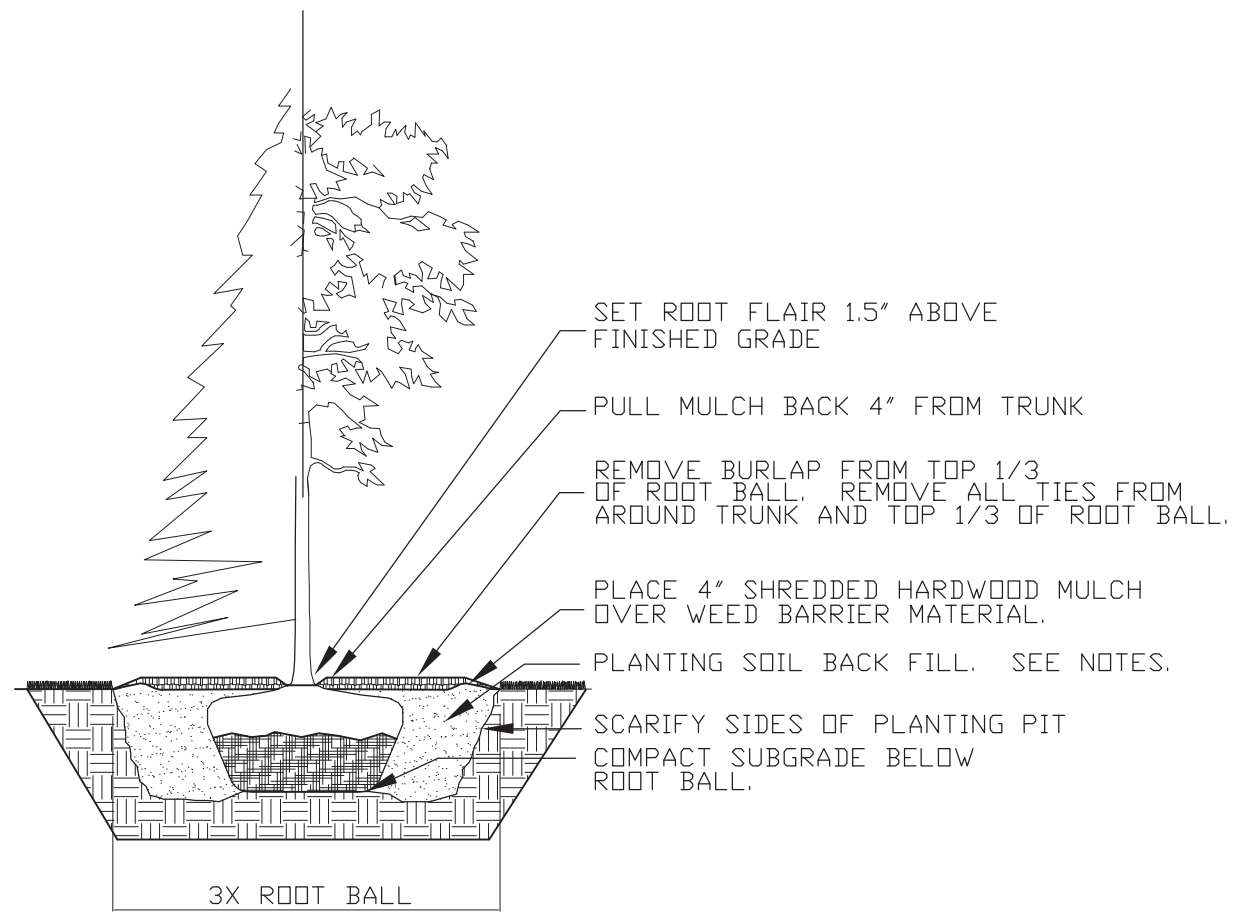
NORTH END SIDEWALK SECTION

NOT TO SCALE



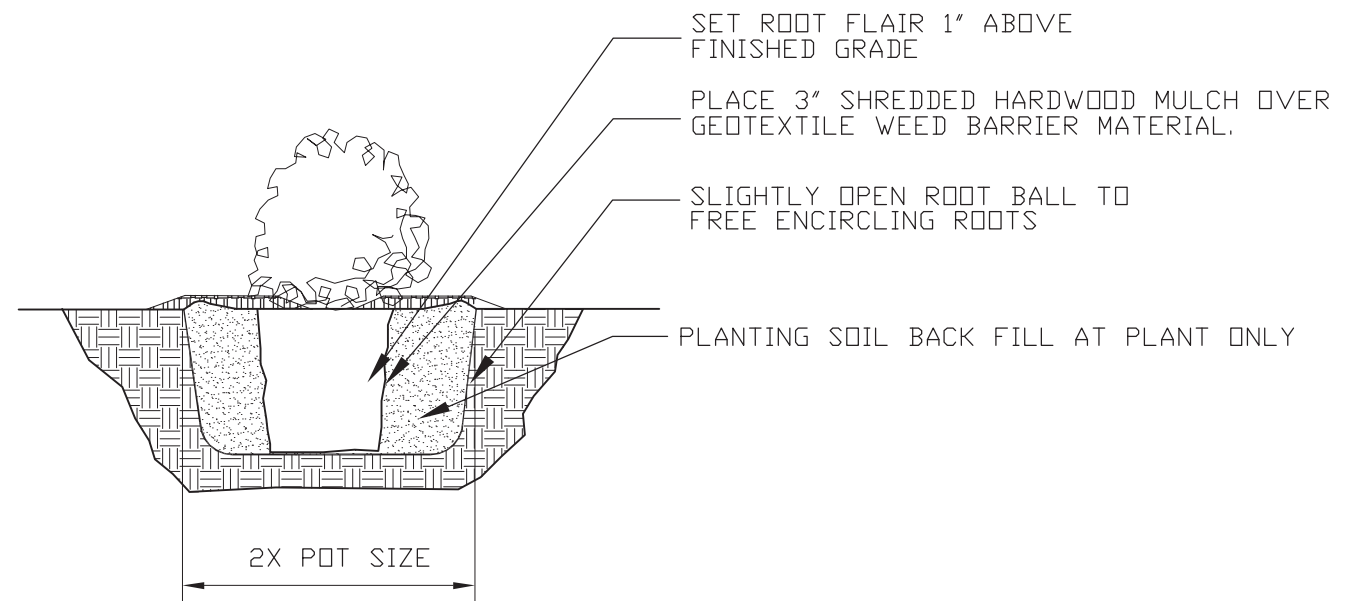
NORTH END SIDEWALK PLAN

NOT TO SCALE



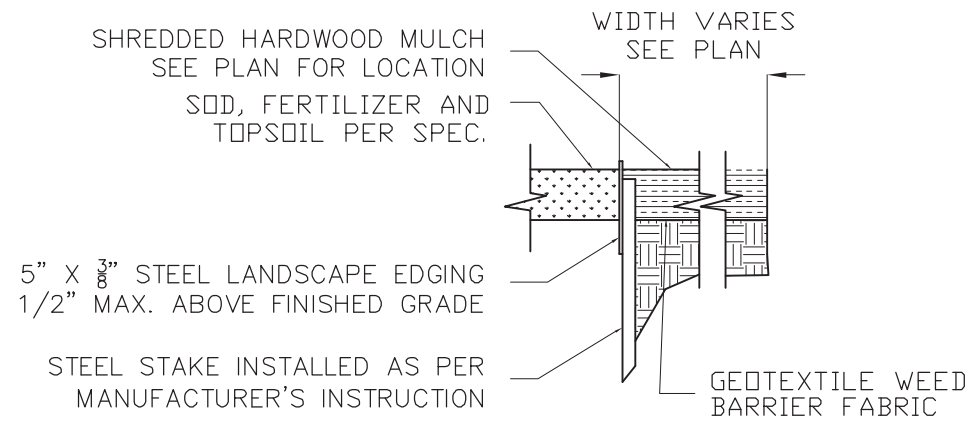
DECIDUOUS/EVERGREEN TREE DETAIL

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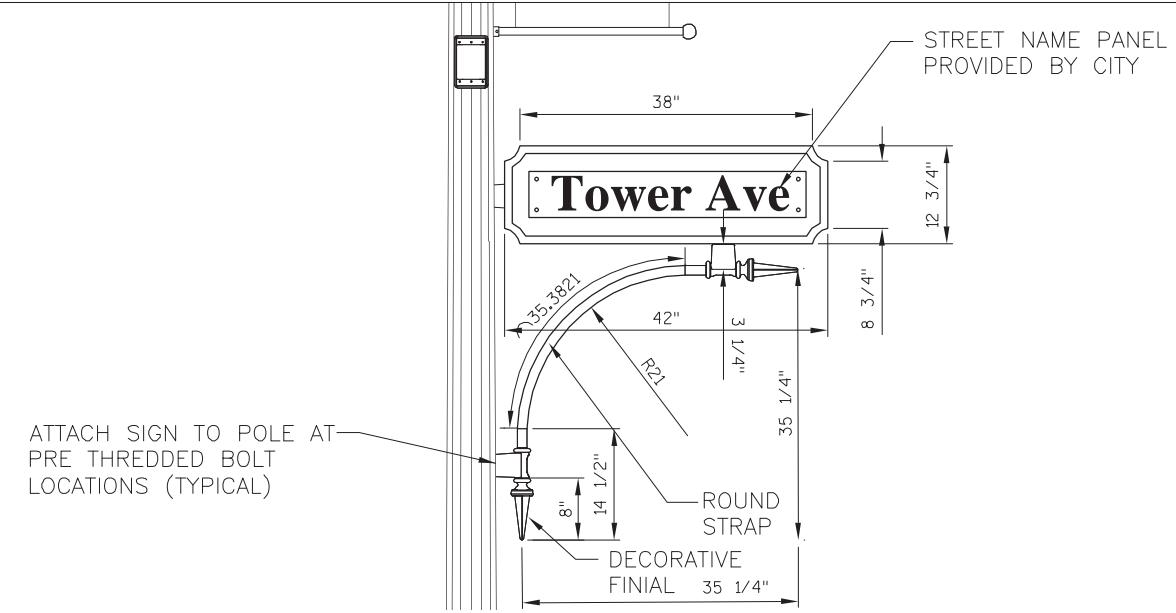
DECIDUOUS/EVERGREEN SHRUB/GRASS DETAIL

NOT TO SCALE



STEEL EDGER DETAIL

NOT TO SCALE



STREET SIGN DETAIL

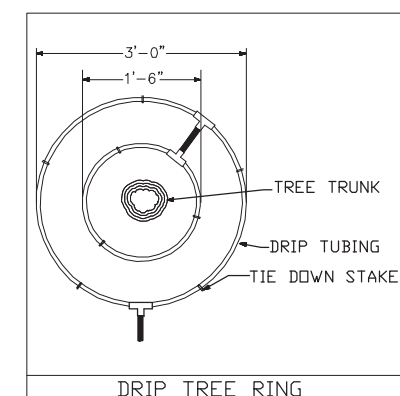
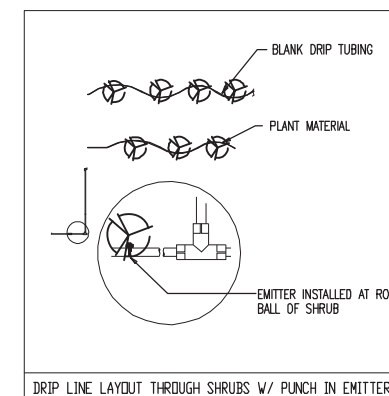
NOT TO SCALE

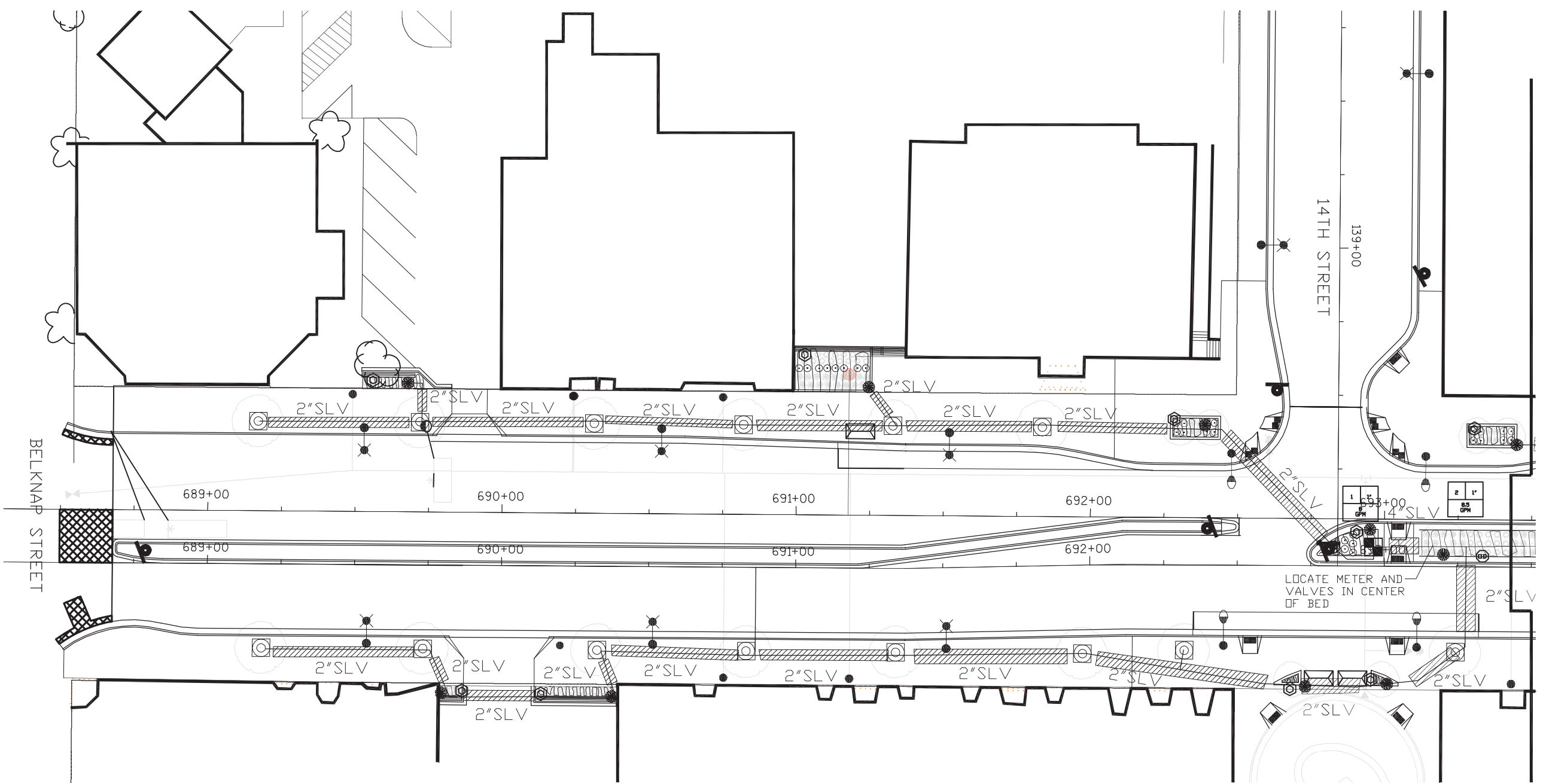
IRRIGATION SPECIFICATIONS

1. IRRIGATION SYSTEM DESIGN BASED ON 40 GPM AT 60 PSI.
2. IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION(POC)ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE(GPM)AND POUNDS PER SQUARE INCH(PSI)FURNISHED BY OTHERS.
3. IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED ON THE LEGEND PRIOR TO INSTALLATION.
4. THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
5. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
6. IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED. ALL WIRING TO BE PER LOCAL CODE. BACKFLOW PREVENTION TO BE PER LOCAL CODE.
7. LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWING IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
8. ALL SPRINKLER HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISH GRADES. EXCEPT AS OTHERWISE INDICATED.
9. INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH MINIMUM 12" OF COVER BASED ON FINISH GRADES.
10. PIPE LOCATIONS ARE DIAGRAMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
11. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
12. ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
13. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
14. THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET(AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC...). JOHN DEERE LANDSCAPES BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION SUPPLIED TO JOHN DEERE LANDSCAPES IN RELATION TO THIS PROJECT, UNLESS OTHERWISE NOTED.
15. EXACT LOCATION OF IRRIGATION TAP & CONTROLLER TO BE DETERMINED. CONTRACTOR TO MOUNT IRRIGATION CONTROLLER ON BACKSIDE OF ELECTRICAL TRANSFORMER.
16. MULTIPLE DRIP ZONES WILL RUN SIMULTANEOUSLY
17. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS AND INSTALLATION.
18. CONTRACTOR TO COORDINATE ALL SLEEVING WITH THE ELECTRICAL SLEEVING WORK.

IRRIGATION LEGEND

Qty	Symbol	Description
2		Wilkins 975XL - 2"
22		Hunter PCZ-101
2		Hunter I-CORE
2		Nibco 2" isolation valve
2		Hunter MINI-CLIK
2		Hunter FREEZE-CLIK
22		Air Relief Valve
86		Drip Stub-up
86		Flush Valve
2		2 inch meter
85		PLD-06-18 Drip Ring
6190 (ft)		Lateral - Poly 1"
3885 (ft)		Mainline - Class 200 2"
10527 (ft)		PLD-01-18 Drip Line
2210 (ft)		Sleeve class 200, 4" Size as shown
5525 (ft)		Sleeve class 200, 2" Size as shown

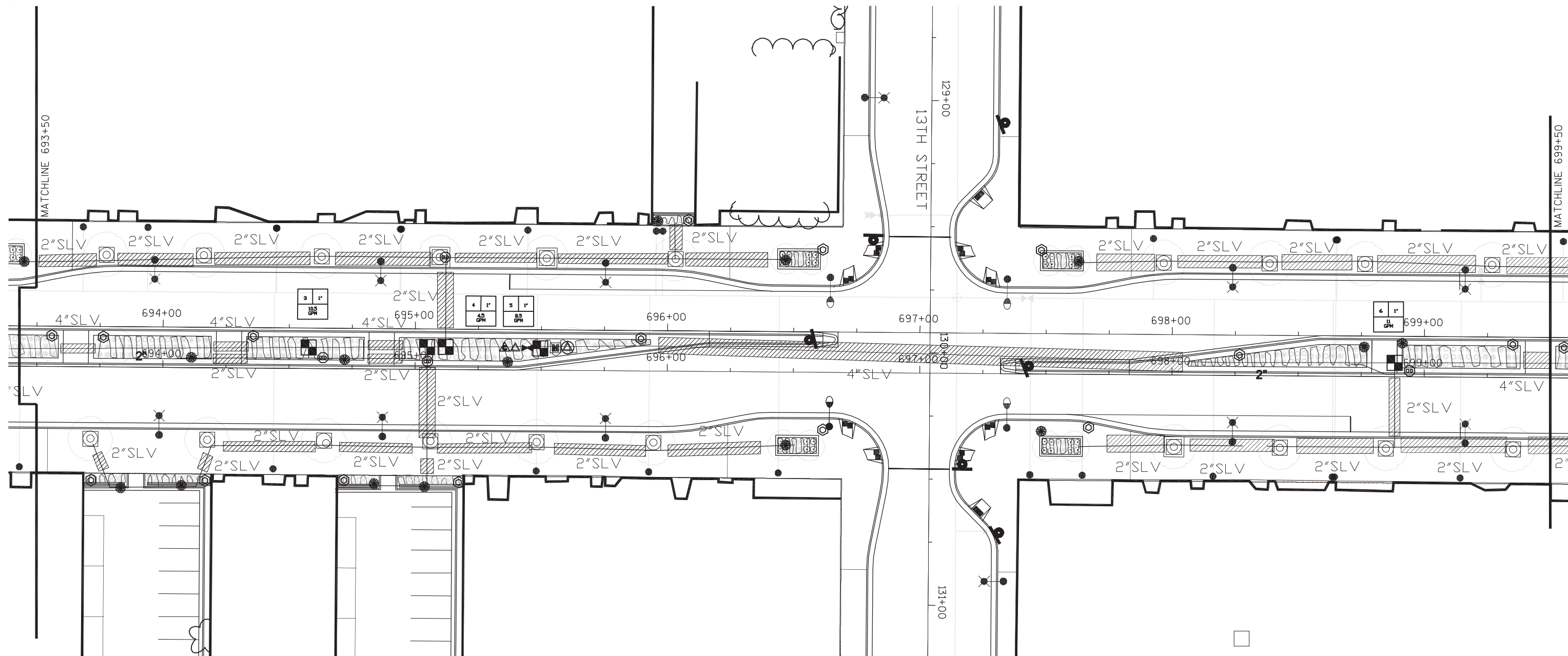




IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown





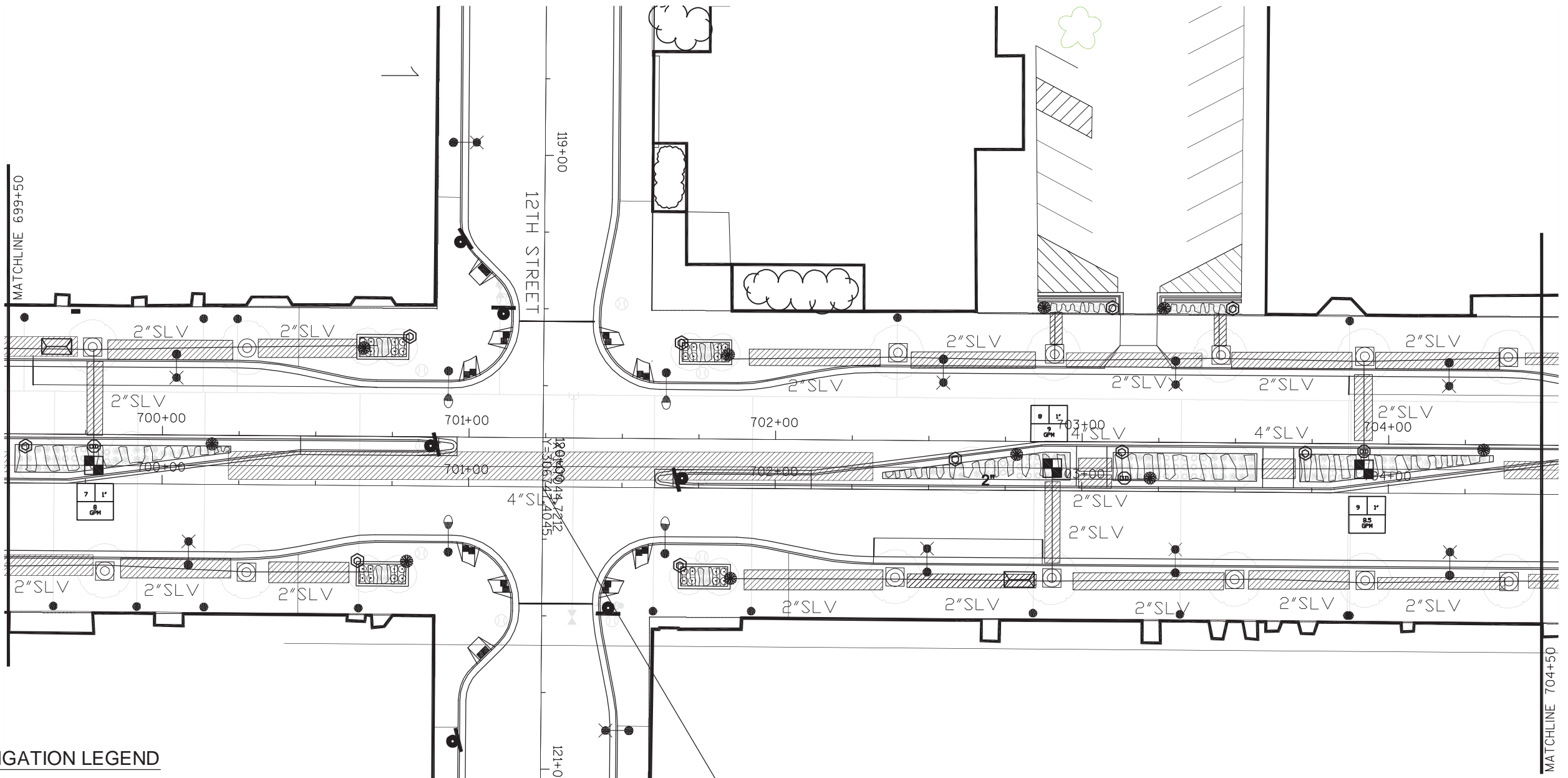
IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown



SCALE IN FEET

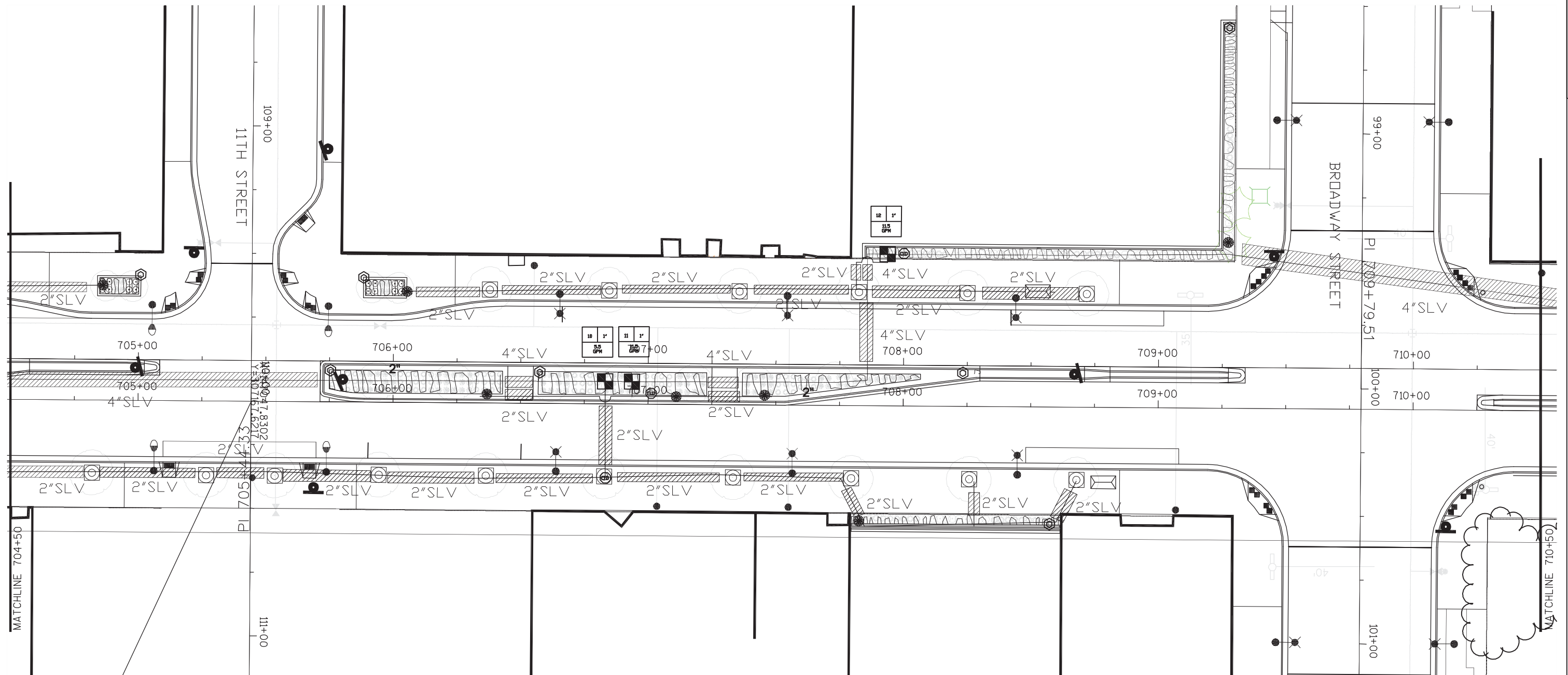




IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown





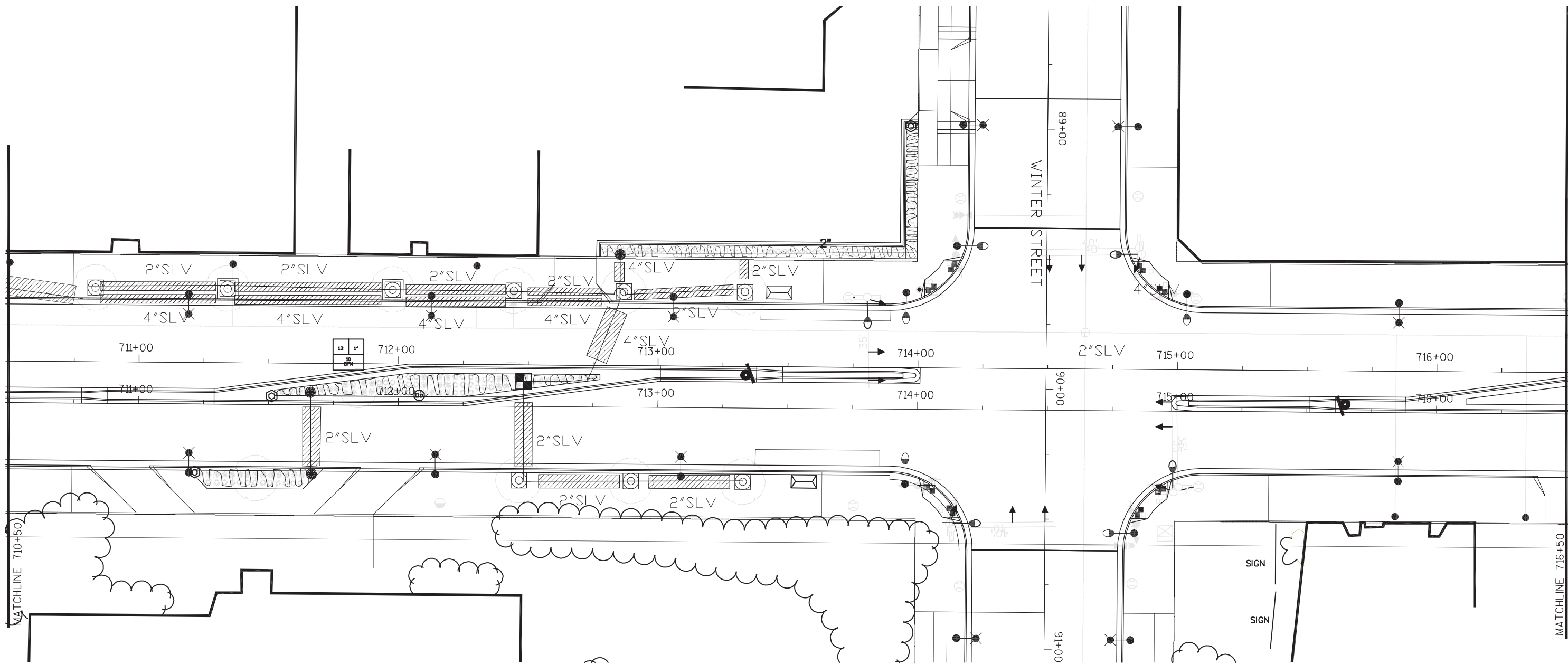
IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown



SCALE IN FEET





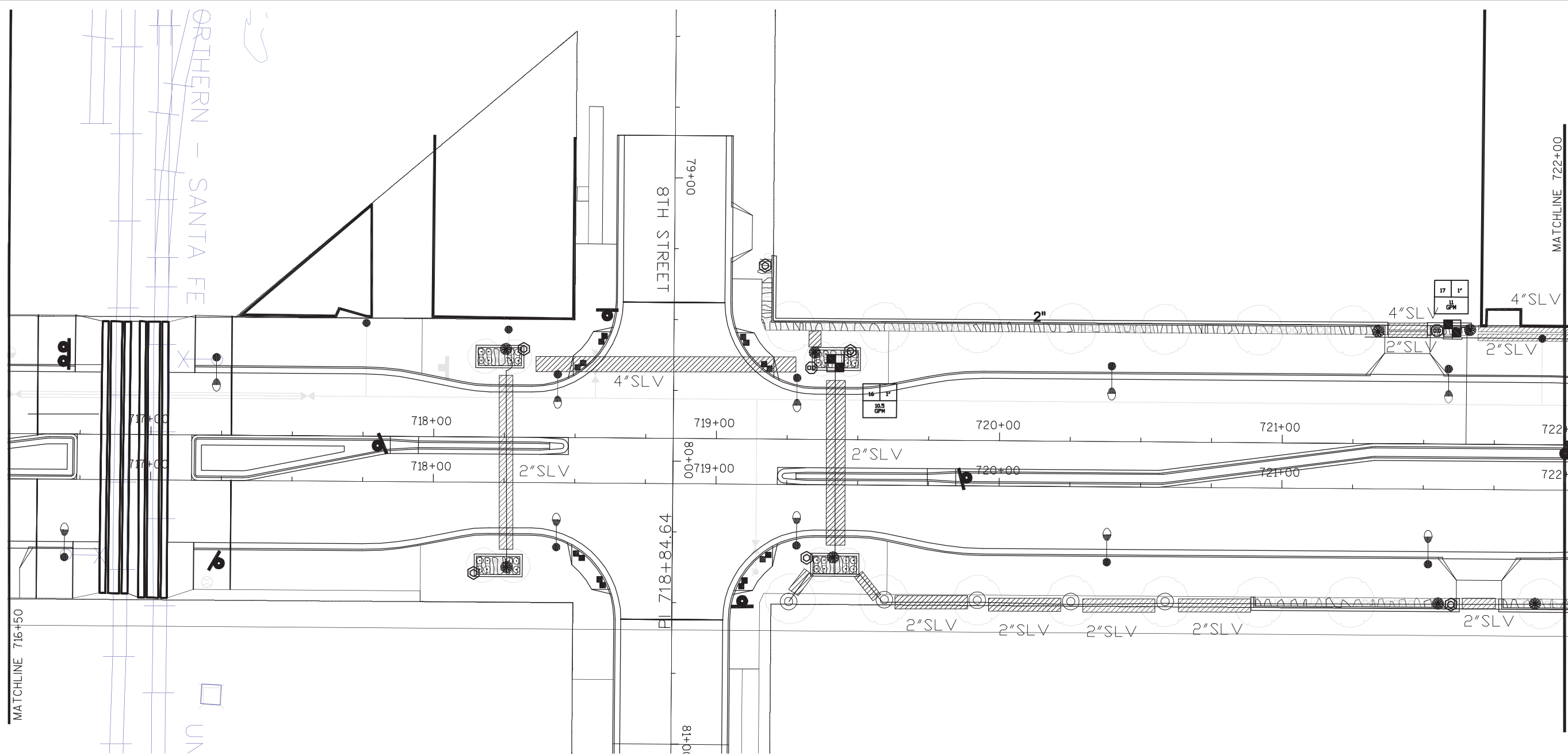
IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown



SCALE IN FEET

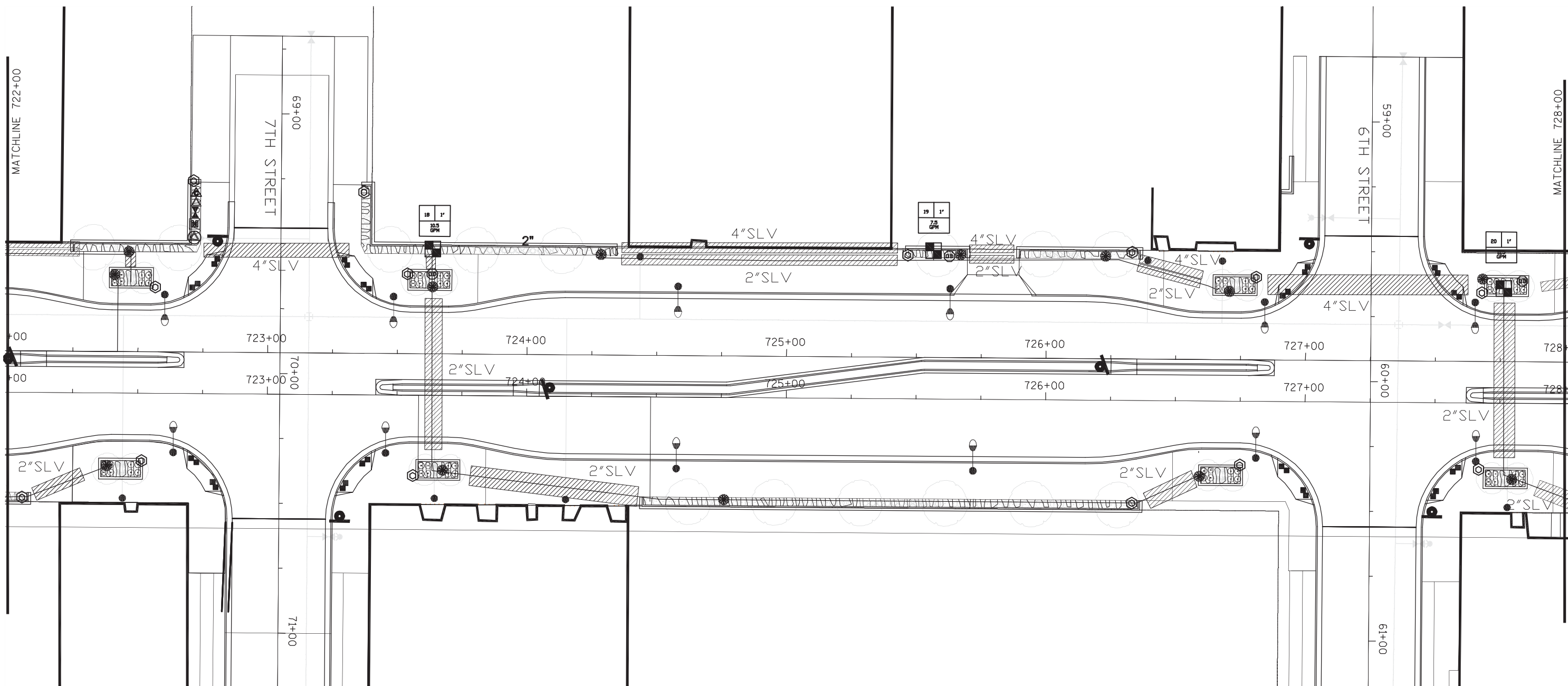




IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown





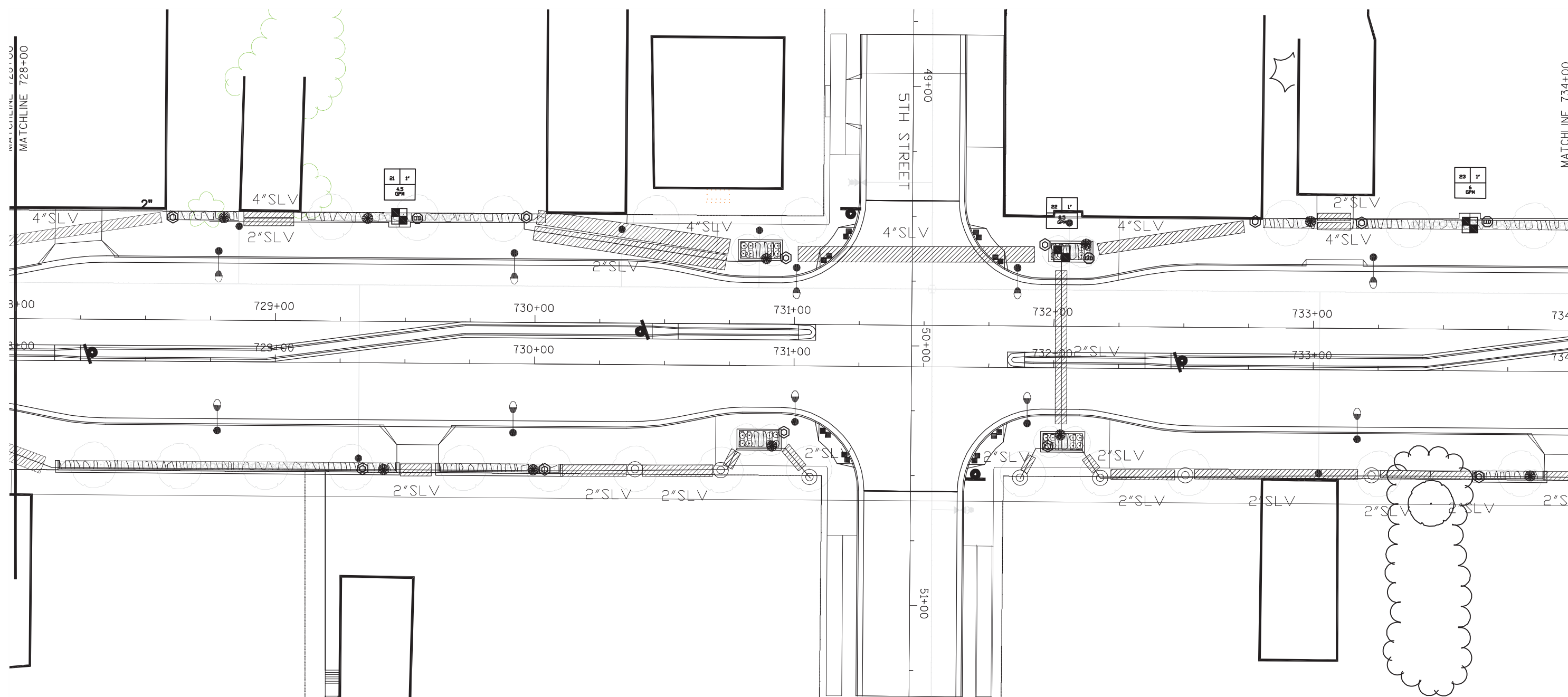
IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown



SCALE IN FEET





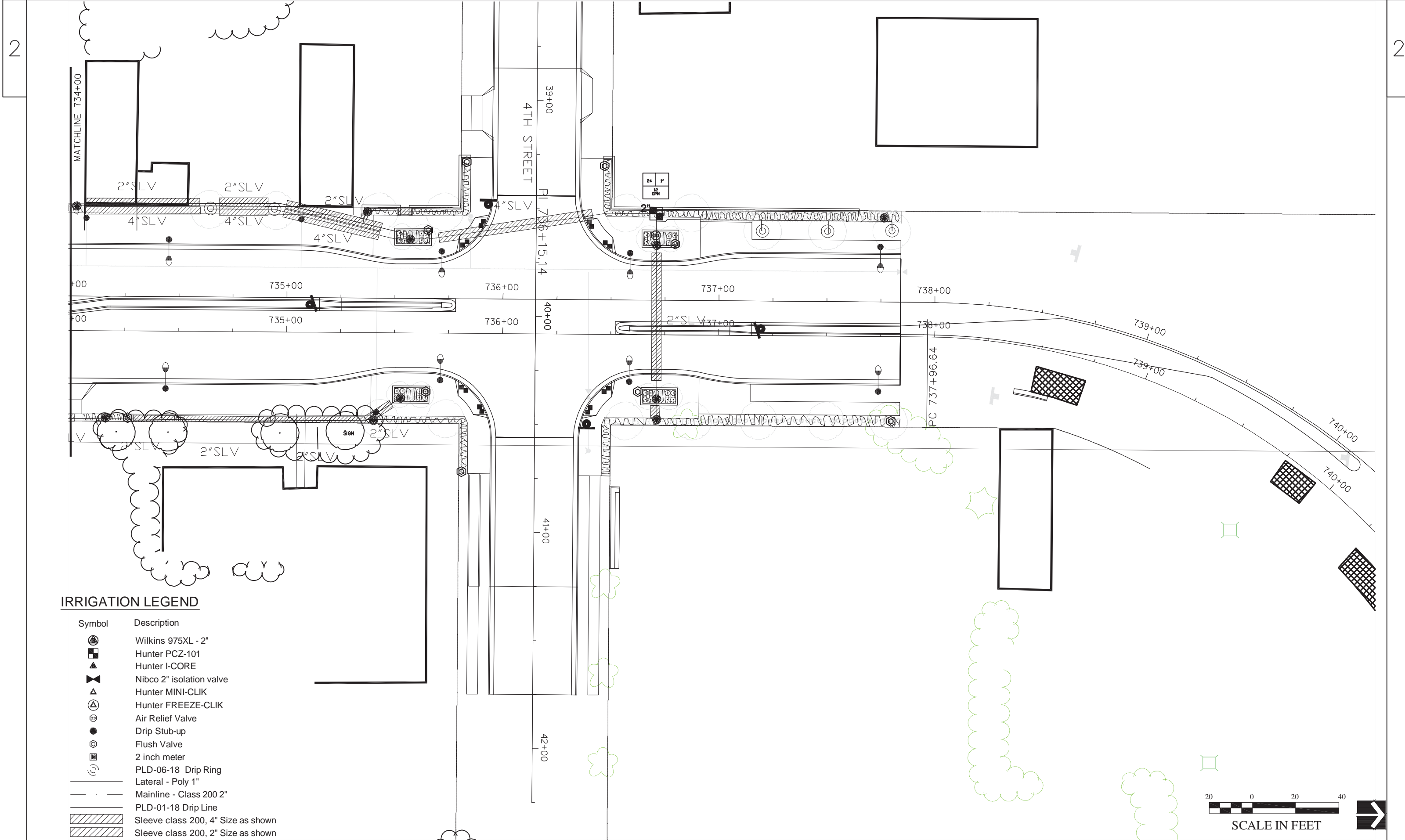
IRRIGATION LEGEND

Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown



SCALE IN FEET





IRRIGATION LEGEND

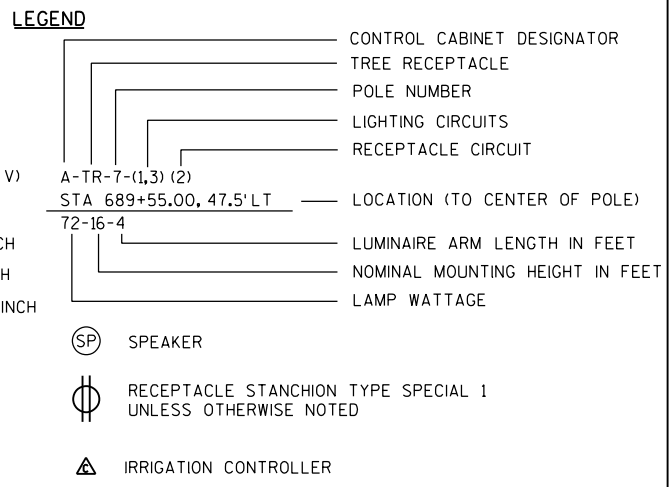
Symbol	Description
	Wilkins 975XL - 2"
	Hunter PCZ-101
	Hunter I-CORE
	Nibco 2" isolation valve
	Hunter MINI-CLIK
	Hunter FREEZE-CLIK
	Air Relief Valve
	Drip Stub-up
	Flush Valve
	2 inch meter
	PLD-06-18 Drip Ring
	Lateral - Poly 1"
	Mainline - Class 200 2"
	PLD-01-18 Drip Line
	Sleeve class 200, 4" Size as shown
	Sleeve class 200, 2" Size as shown



SCALE IN FEET

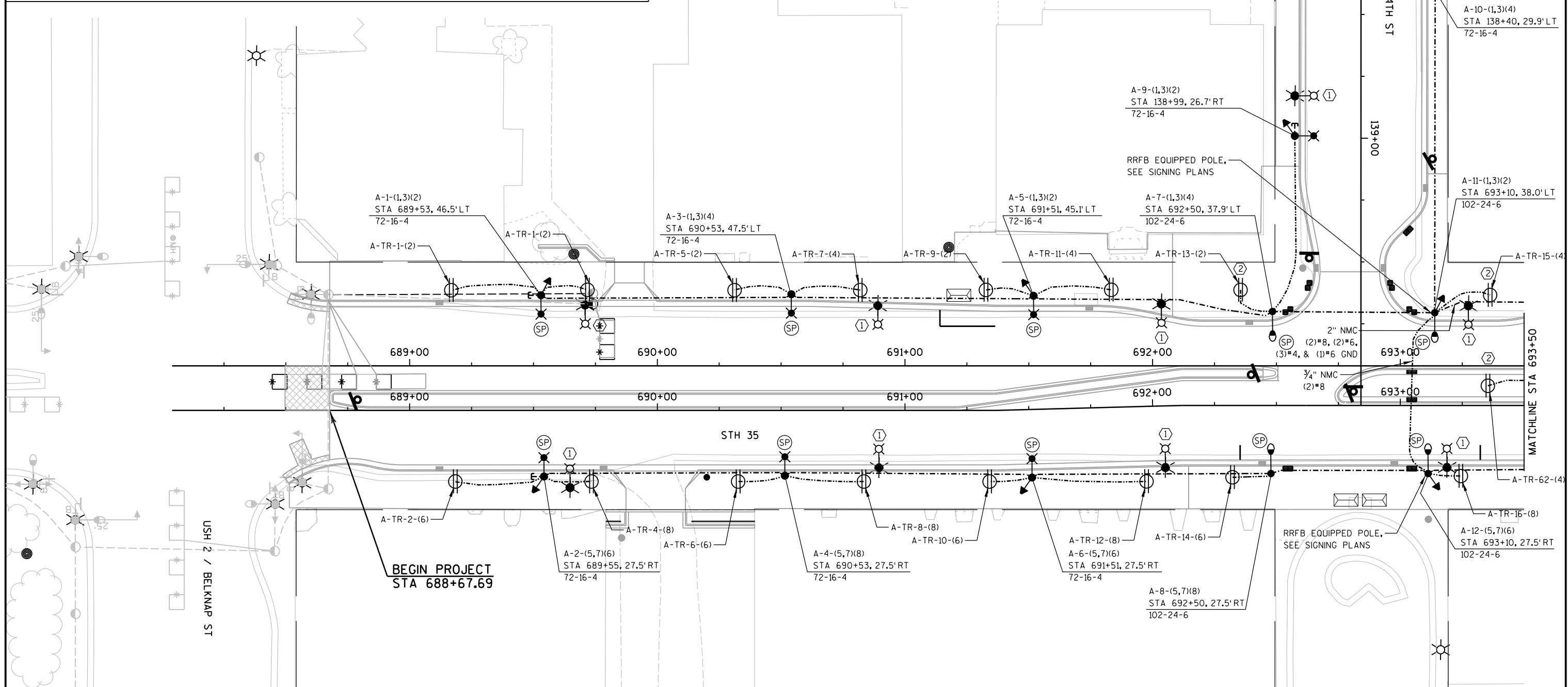


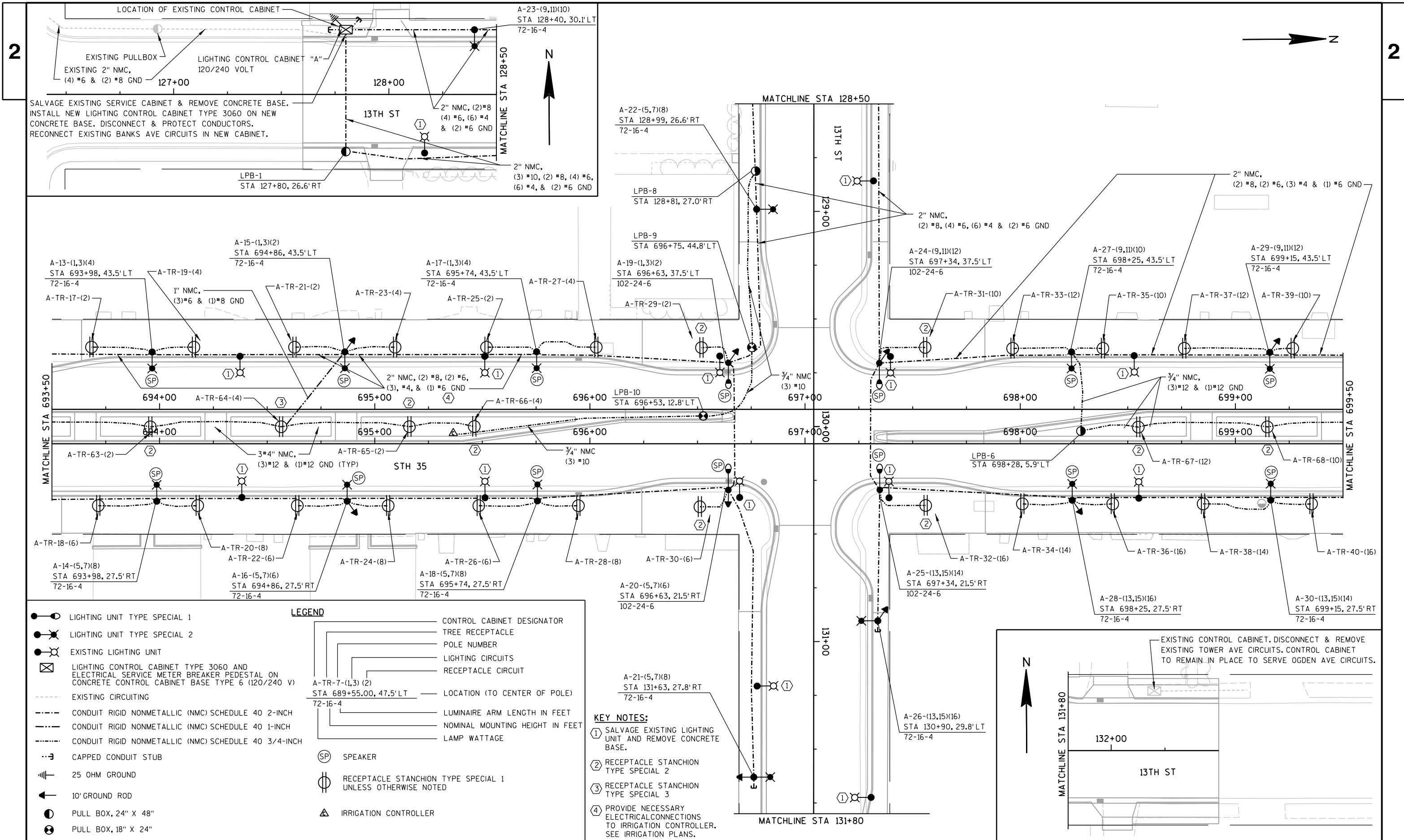
- LIGHTING UNIT TYPE SPECIAL 1
- LIGHTING UNIT TYPE SPECIAL 2
- EXISTING LIGHTING UNIT
- ⊠ LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
- EXISTING CIRCUITING
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
- CAPPED CONDUIT STUB
- ⊥ 25 OHM GROUND
- ← 10' GROUND ROD
- PULL BOX, 24" X 48"
- PULL BOX, 18" X 24"



- GENERAL LIGHTING NOTES:**
1. ALL CONDUCTORS ON THIS PLAN SHEET SHALL BE (2) #6 - LIGHTING, (3) #4 - RECEPTACLES, & (1) #6 - GND UNLESS OTHERWISE NOTED.
 2. PROVIDE CAPPED CONDUIT STUBS AS INDICATED.
 3. LIGHT LOCATIONS ARE TO THE CENTER OF THE BASE.
 4. COORDINATE SERVICE CONNECTION WITH SUPERIOR WATER, LIGHT & POWER REPRESENTATIVE KEVIN HABERMAN AT 715.395.6315
 5. ALL RECEPTACLE STANCHION CIRCUITS SHALL BE 3/4" NMC, (2)#12 & (1)#12 GND UNLESS OTHERWISE NOTED.
 6. INSTALL CONDUITS IN COMMON TRENCH WHERE POSSIBLE.

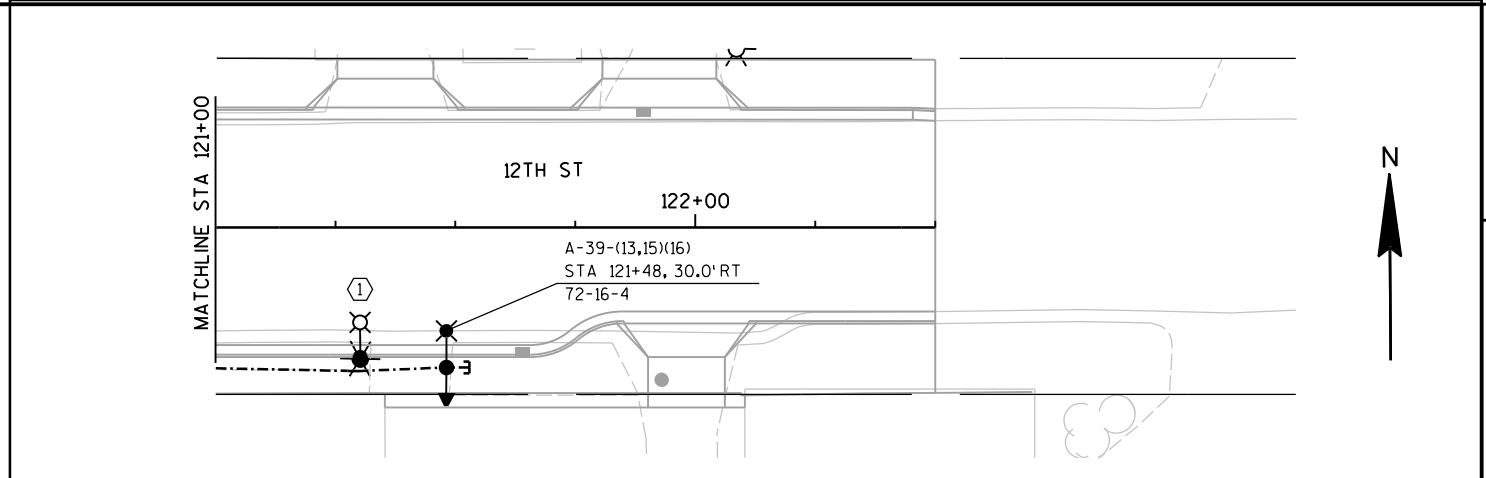
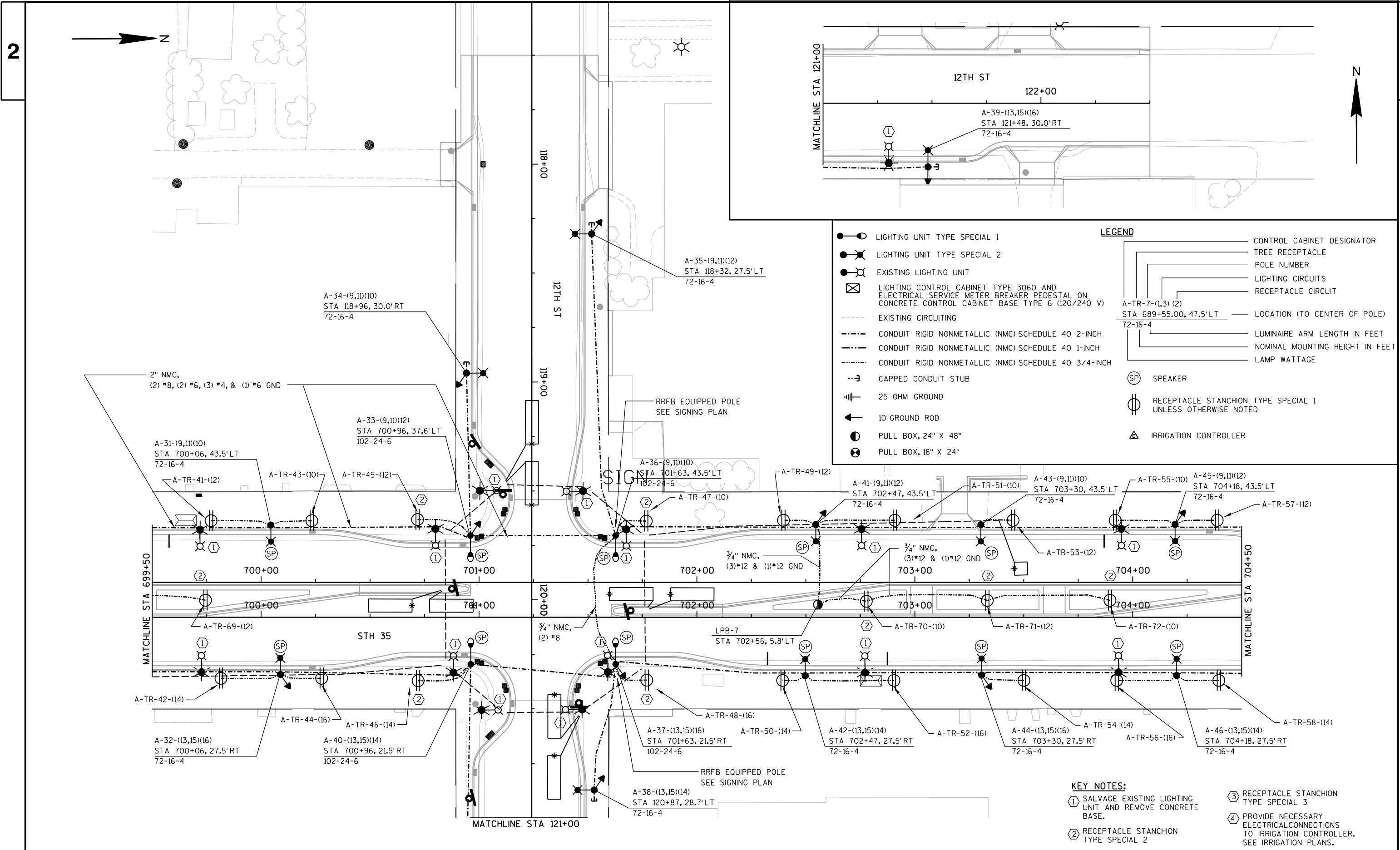
- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.





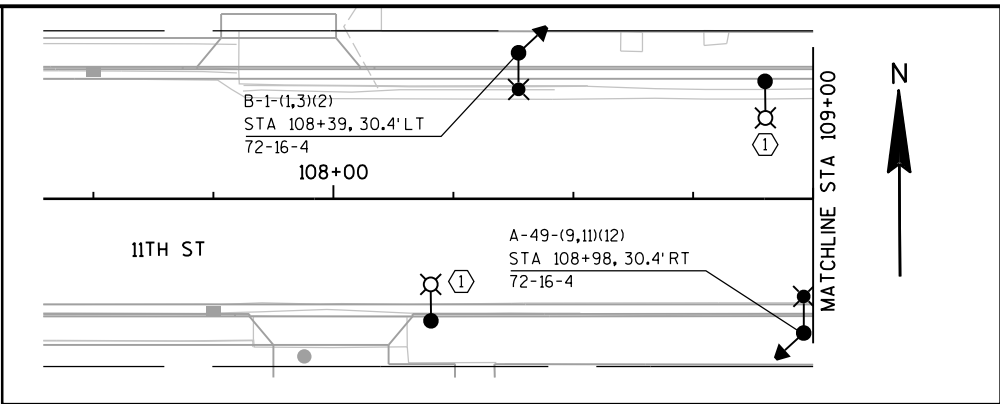
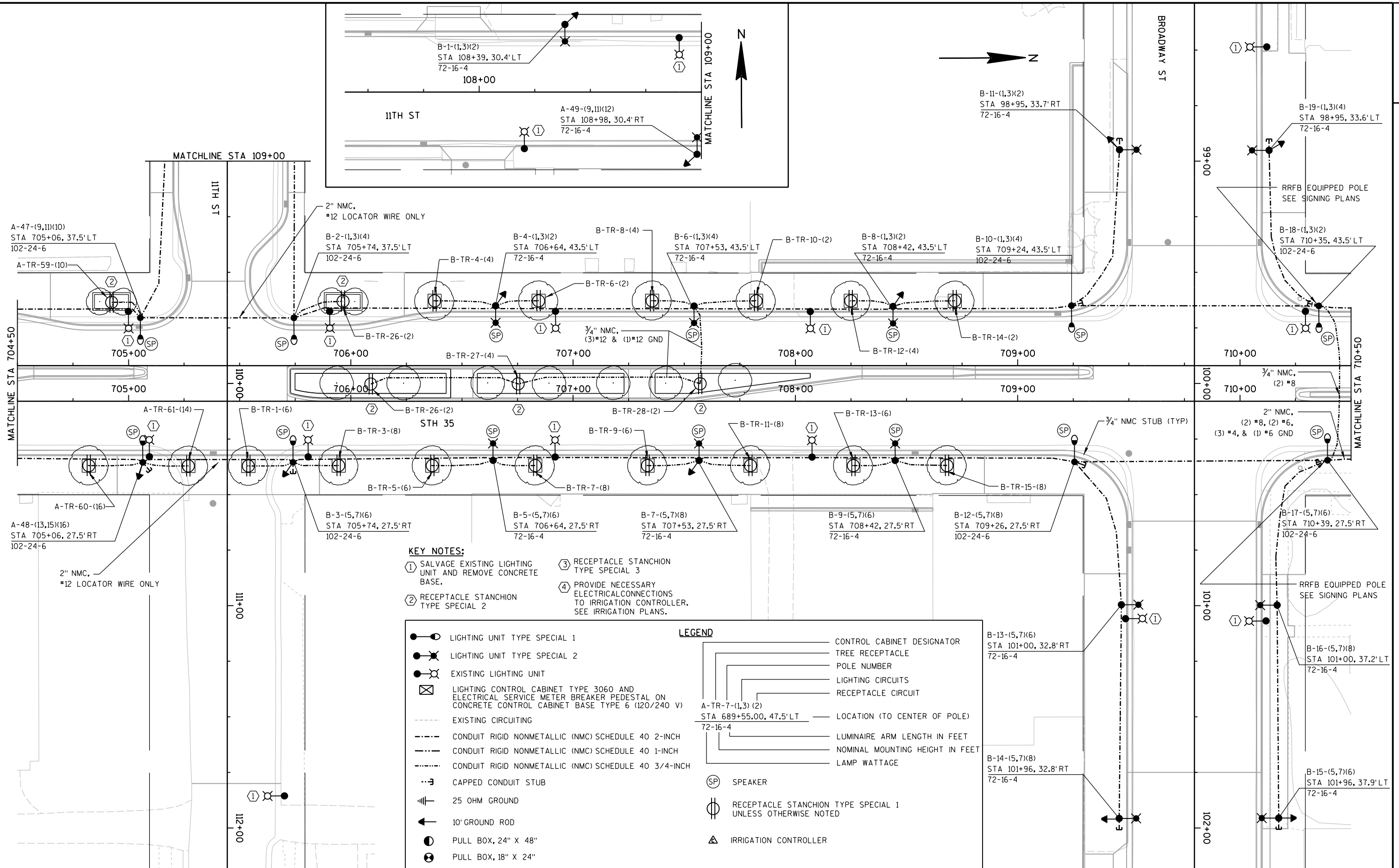
- LEGEND**
- LIGHTING UNIT TYPE SPECIAL 1
 - LIGHTING UNIT TYPE SPECIAL 2
 - EXISTING LIGHTING UNIT
 - ⊠ LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
 - EXISTING CIRCUITING
 - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
 - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
 - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
 - CAPPED CONDUIT STUB
 - ⊥ 25 OHM GROUND
 - ⊥ 10' GROUND ROD
 - PULL BOX, 24" X 48"
 - PULL BOX, 18" X 24"
 - CONTROL CABINET DESIGNATOR
 - TREE RECEPTACLE
 - POLE NUMBER
 - LIGHTING CIRCUITS
 - RECEPTACLE CIRCUIT
 - LOCATION (TO CENTER OF POLE)
 - LUMINAIRE ARM LENGTH IN FEET
 - NOMINAL MOUNTING HEIGHT IN FEET
 - LAMP WATTAGE
 - SP SPEAKER
 - ⊠ RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
 - △ IRRIGATION CONTROLLER

- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.



- LEGEND**
- LIGHTING UNIT TYPE SPECIAL 1
 - LIGHTING UNIT TYPE SPECIAL 2
 - EXISTING LIGHTING UNIT
 - ⊠ LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
 - EXISTING CIRCUITING
 - - - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
 - - - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
 - - - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
 - ⊢ CAPPED CONDUIT STUB
 - ⊢ 25 OHM GROUND
 - ⊢ 10' GROUND ROD
 - PULL BOX, 24" X 48"
 - PULL BOX, 18" X 24"
 - CONTROL CABINET DESIGNATOR
 - TREE RECEPTACLE
 - POLE NUMBER
 - LIGHTING CIRCUITS
 - RECEPTACLE CIRCUIT
 - LOCATION (TO CENTER OF POLE)
 - LUMINAIRE ARM LENGTH IN FEET
 - NOMINAL MOUNTING HEIGHT IN FEET
 - LAMP WATTAGE
 - ⊙ (SP) SPEAKER
 - ⊙ RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
 - ⊙ (A) IRRIGATION CONTROLLER

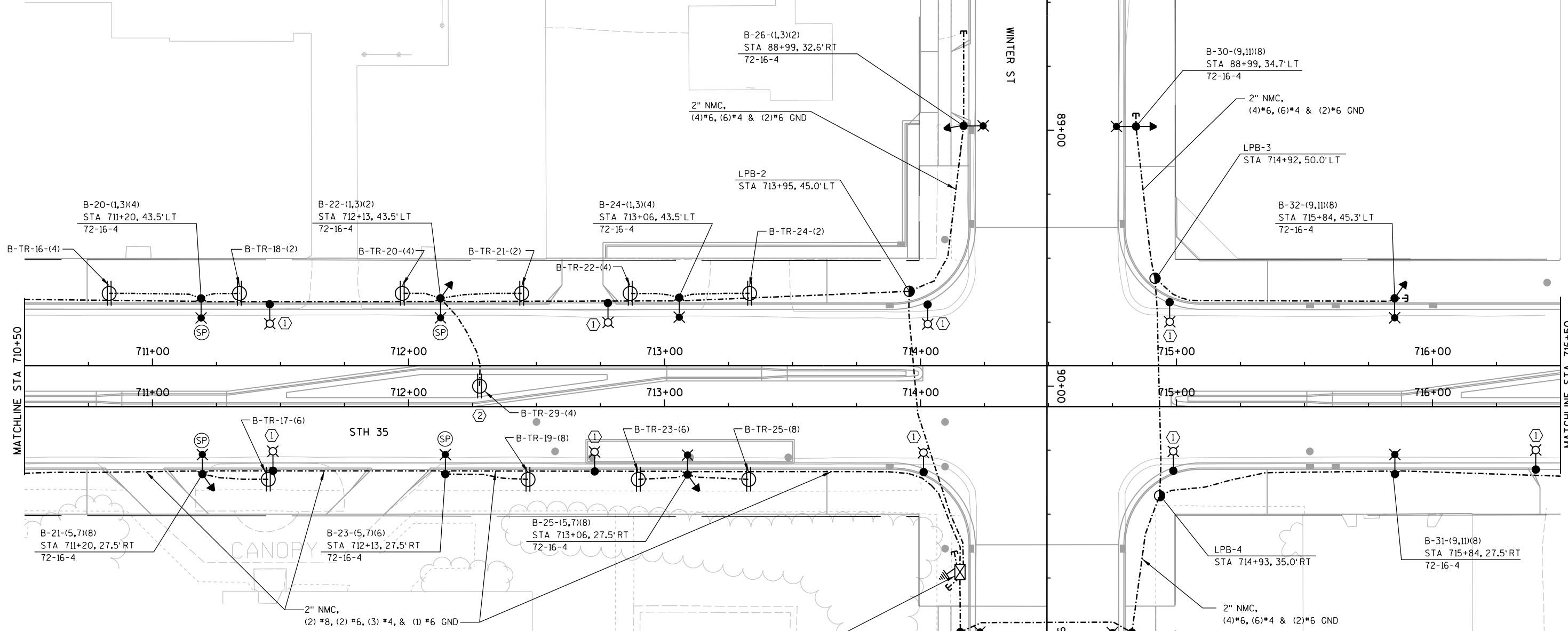
- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.



- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.

LEGEND

●	LIGHTING UNIT TYPE SPECIAL 1	—	CONTROL CABINET DESIGNATOR
●	LIGHTING UNIT TYPE SPECIAL 2	—	TREE RECEPTACLE
●	EXISTING LIGHTING UNIT	—	POLE NUMBER
⊠	LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)	—	LIGHTING CIRCUITS
---	EXISTING CIRCUITING	—	RECEPTACLE CIRCUIT
---	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH	—	LOCATION (TO CENTER OF POLE)
---	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH	—	LUMINAIRE ARM LENGTH IN FEET
---	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH	—	NOMINAL MOUNTING HEIGHT IN FEET
---	CAPPED CONDUIT STUB	—	LAMP WATTAGE
⊥	25 OHM GROUND	SP	SPEAKER
⊥	10' GROUND ROD	⊠	RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
⊠	PULL BOX, 24" X 48"	⊠	IRRIGATION CONTROLLER
⊠	PULL BOX, 18" X 24"		

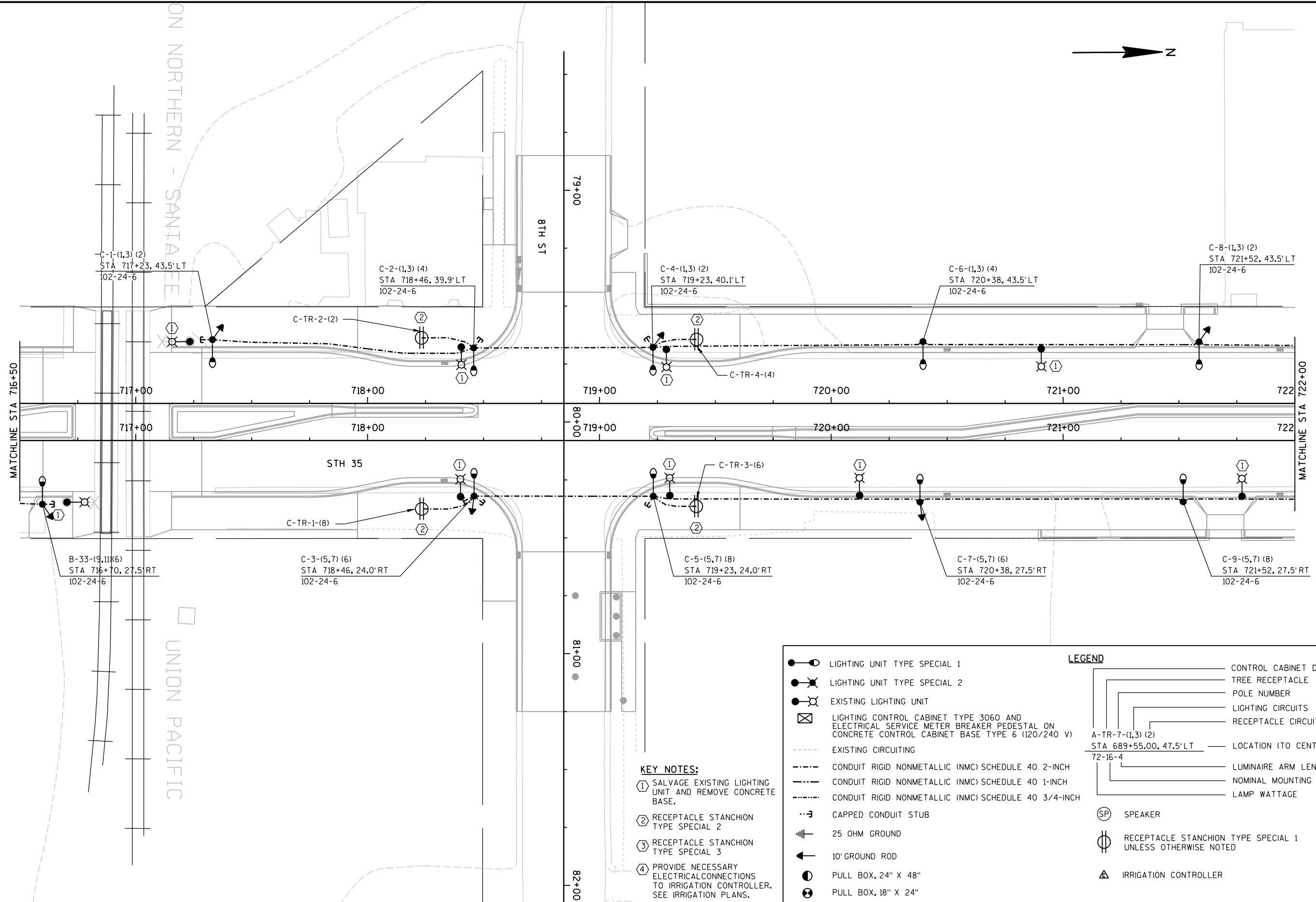


- LIGHTING UNIT TYPE SPECIAL 1
- LIGHTING UNIT TYPE SPECIAL 2
- EXISTING LIGHTING UNIT
- LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
- EXISTING CIRCUITING
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
- CAPPED CONDUIT STUB
- 25 OHM GROUND
- 10' GROUND ROD
- PULL BOX, 24" X 48"
- PULL BOX, 18" X 24"

- LEGEND**
- CONTROL CABINET DESIGNATOR
 - TREE RECEPTACLE
 - POLE NUMBER
 - LIGHTING CIRCUITS
 - RECEPTACLE CIRCUIT
 - LOCATION (TO CENTER OF POLE)
 - LUMINAIRE ARM LENGTH IN FEET
 - NOMINAL MOUNTING HEIGHT IN FEET
 - LAMP WATTAGE
 - SPEAKER
 - RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
 - IRRIGATION CONTROLLER

LIGHTING CONTROL CABINET "B"
120/240 VOLT

- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.



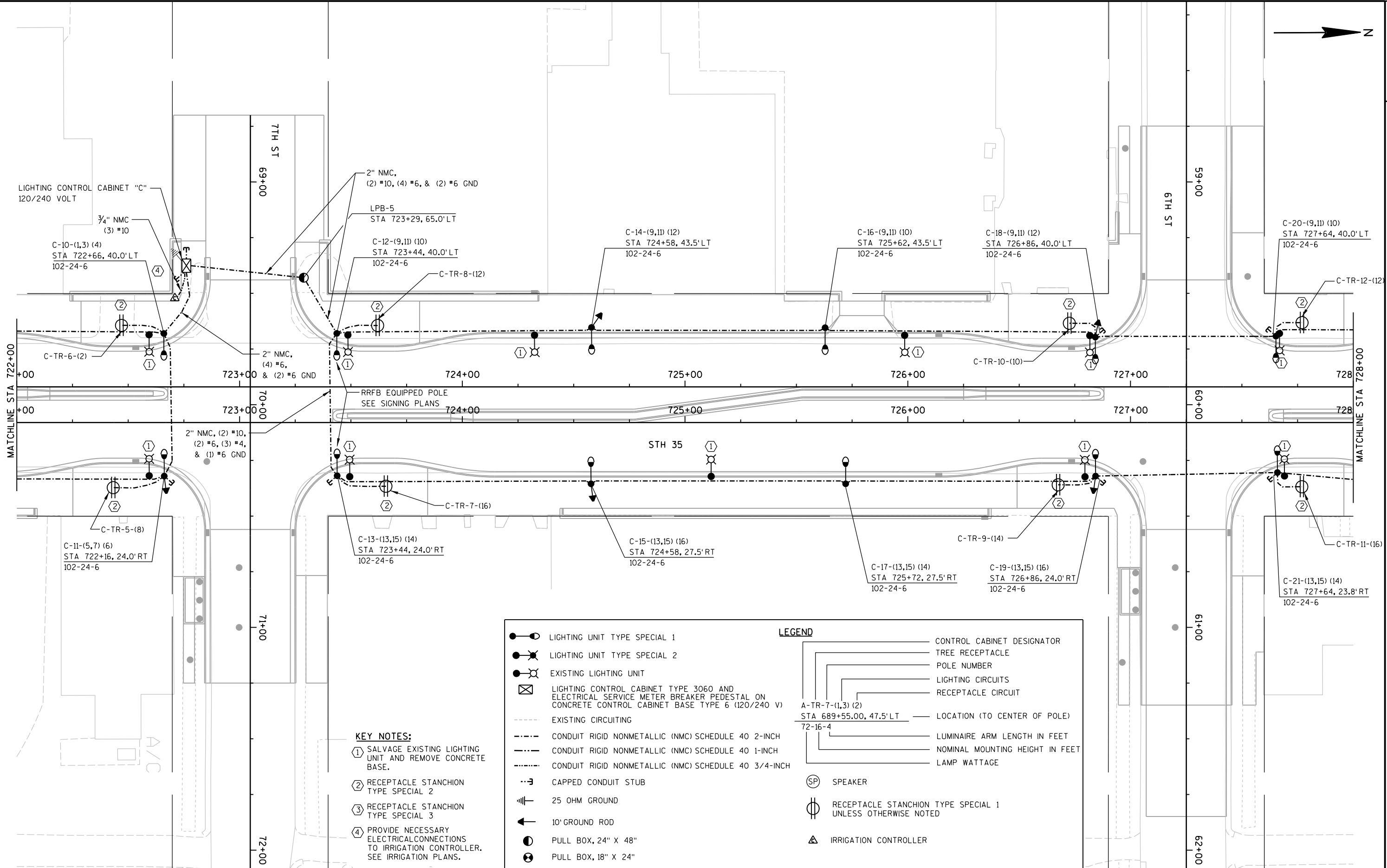
KEY NOTES:

- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
- ② RECEPTACLE STANCHION TYPE SPECIAL 2
- ③ RECEPTACLE STANCHION TYPE SPECIAL 3
- ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.

- LIGHTING UNIT TYPE SPECIAL 1
- LIGHTING UNIT TYPE SPECIAL 2
- EXISTING LIGHTING UNIT
- ⊠ LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
- EXISTING CIRCUITING
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
- CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
- CAPPED CONDUIT STUB
- ⊥ 25 OHM GROUND
- ⊥ 10' GROUND ROD
- PULL BOX, 24" X 48"
- PULL BOX, 18" X 24"

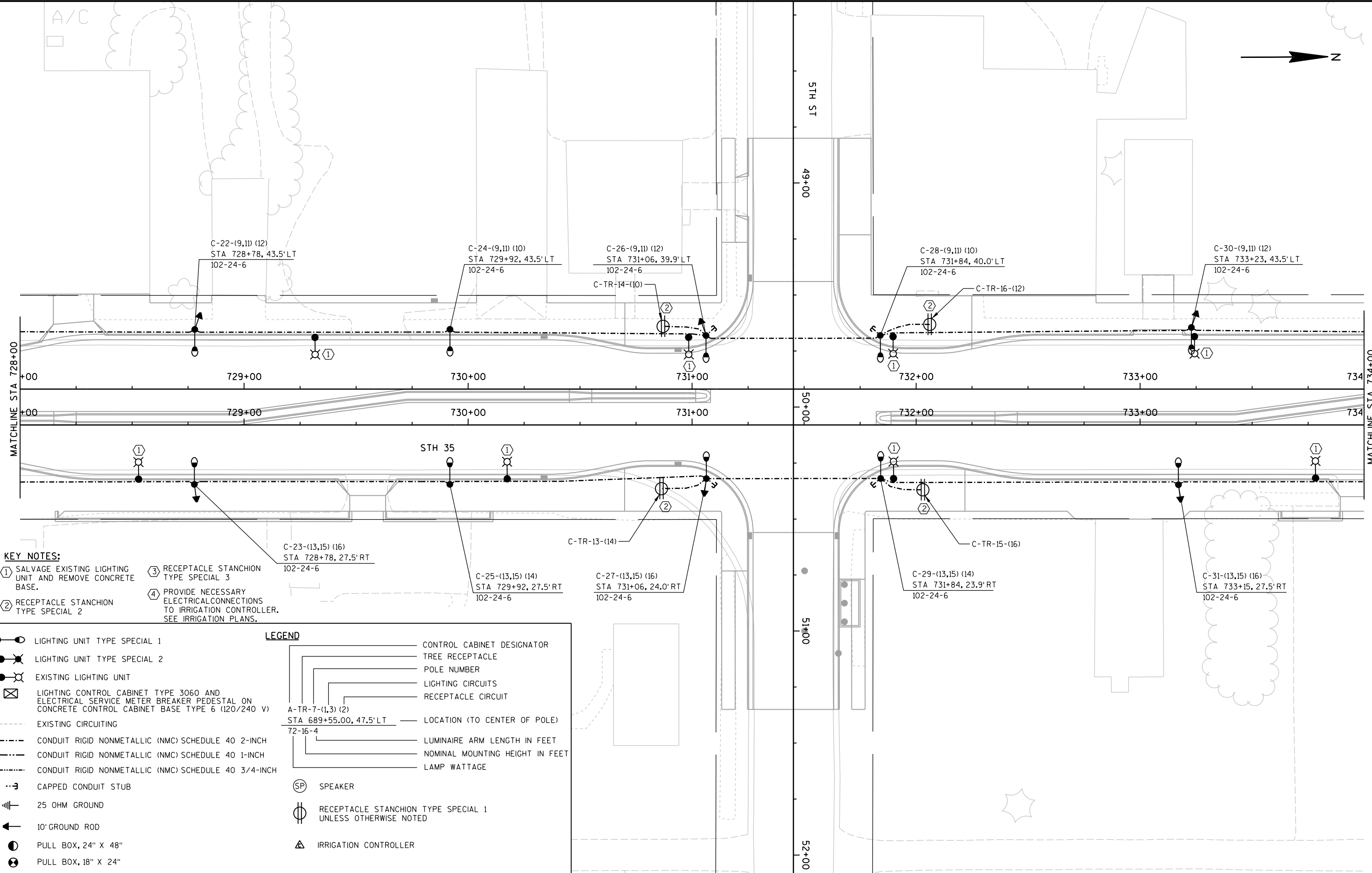
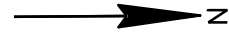
LEGEND

- CONTROL CABINET DESIGNATOR
- TREE RECEPTACLE
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
- NOMINAL MOUNTING HEIGHT IN FEET
- LAMP WATTAGE
- ⊠ SPEAKER
- ⊠ RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
- ⊠ IRRIGATION CONTROLLER



- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.

LEGEND	
	LIGHTING UNIT TYPE SPECIAL 1
	LIGHTING UNIT TYPE SPECIAL 2
	EXISTING LIGHTING UNIT
	LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
	EXISTING CIRCUITING
	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
	CAPPED CONDUIT STUB
	25 OHM GROUND
	10' GROUND ROD
	PULL BOX, 24" X 48"
	PULL BOX, 18" X 24"
	CONTROL CABINET DESIGNATOR
	TREE RECEPTACLE
	POLE NUMBER
	LIGHTING CIRCUITS
	RECEPTACLE CIRCUIT
	LOCATION (TO CENTER OF POLE)
	LUMINAIRE ARM LENGTH IN FEET
	NOMINAL MOUNTING HEIGHT IN FEET
	LAMP WATTAGE
	SPEAKER
	RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
	IRRIGATION CONTROLLER

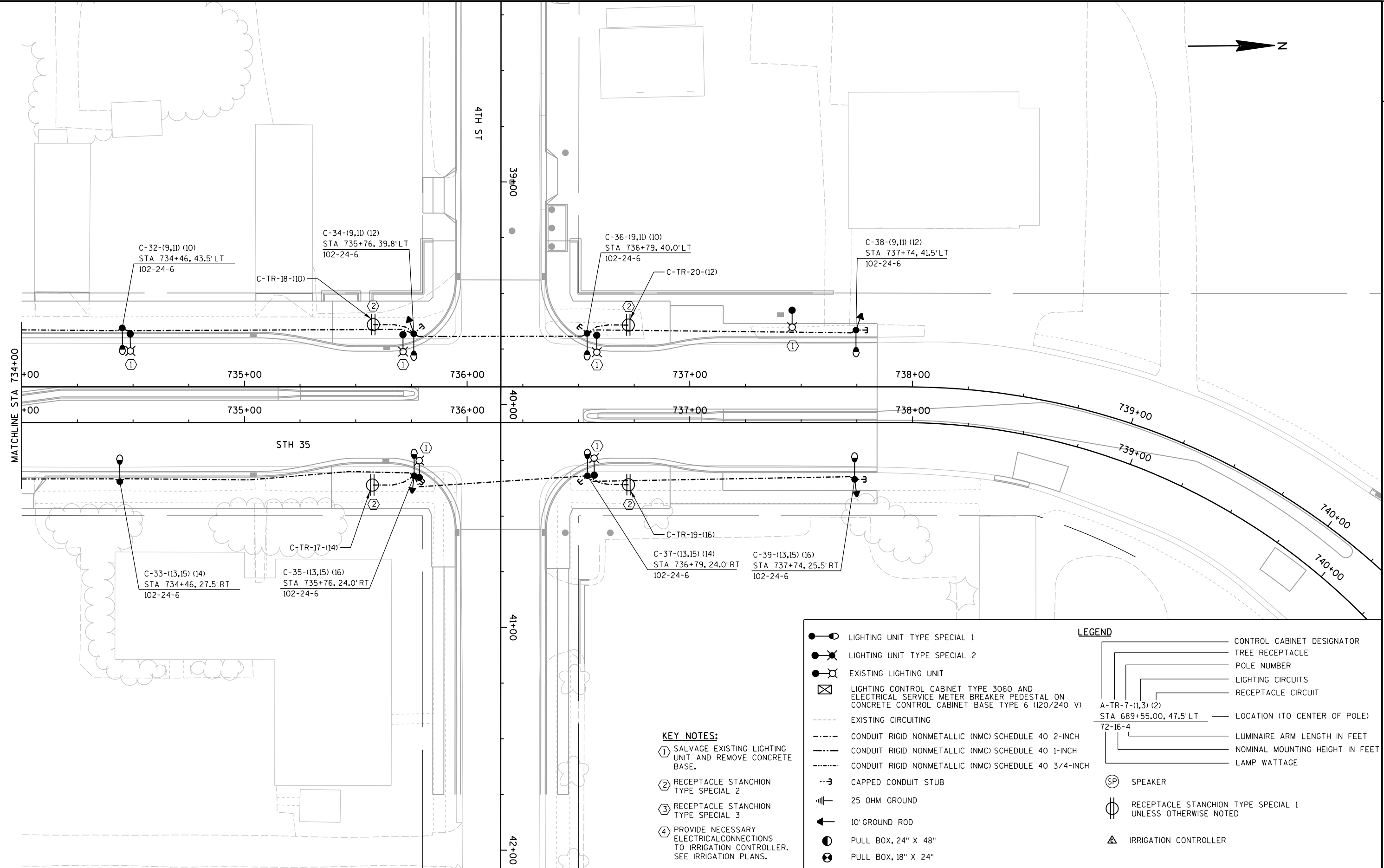


KEY NOTES:

- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
- ② RECEPTACLE STANCHION TYPE SPECIAL 2
- ③ RECEPTACLE STANCHION TYPE SPECIAL 3
- ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.

LEGEND

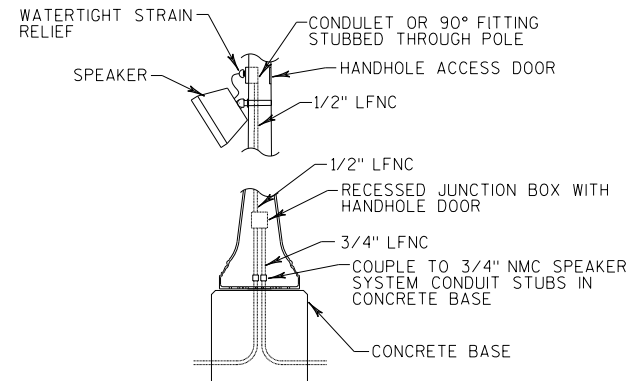
- LIGHTING UNIT TYPE SPECIAL 1
- LIGHTING UNIT TYPE SPECIAL 2
- EXISTING LIGHTING UNIT
- ☒ LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)
- EXISTING CIRCUITING
- - - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH
- - - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH
- - - CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH
- CAPPED CONDUIT STUB
- ⊥ 25 OHM GROUND
- ↑ 10' GROUND ROD
- PULL BOX, 24" X 48"
- PULL BOX, 18" X 24"
- CONTROL CABINET DESIGNATOR
- TREE RECEPTACLE
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
- NOMINAL MOUNTING HEIGHT IN FEET
- LAMP WATTAGE
- ⊕ (SP) SPEAKER
- ⊕ RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
- △ IRRIGATION CONTROLLER



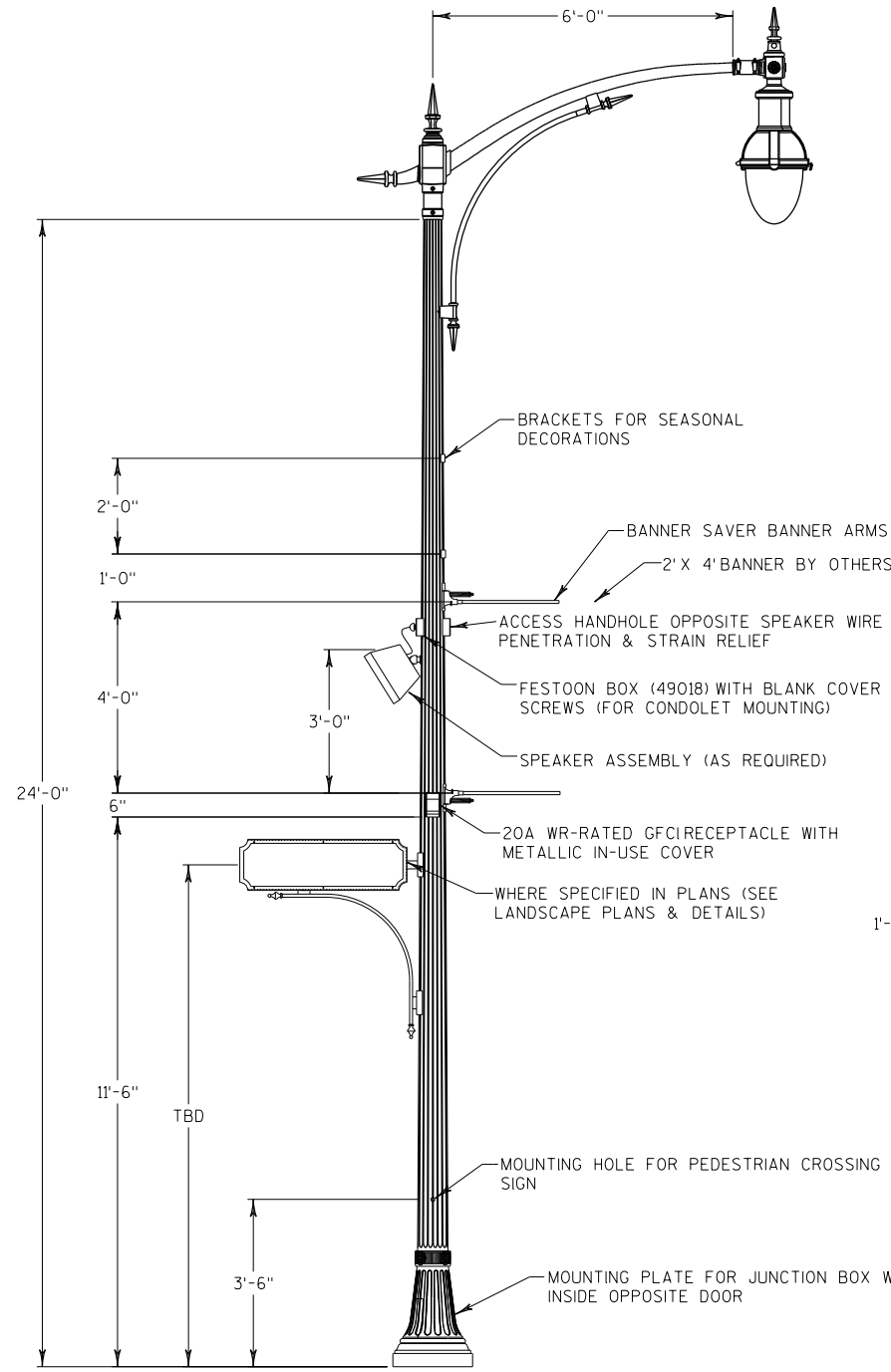
- KEY NOTES:**
- ① SALVAGE EXISTING LIGHTING UNIT AND REMOVE CONCRETE BASE.
 - ② RECEPTACLE STANCHION TYPE SPECIAL 2
 - ③ RECEPTACLE STANCHION TYPE SPECIAL 3
 - ④ PROVIDE NECESSARY ELECTRICAL CONNECTIONS TO IRRIGATION CONTROLLER. SEE IRRIGATION PLANS.

●○	LIGHTING UNIT TYPE SPECIAL 1	—	CONTROL CABINET DESIGNATOR
●✕	LIGHTING UNIT TYPE SPECIAL 2	—	TREE RECEPTACLE
●⊗	EXISTING LIGHTING UNIT	—	POLE NUMBER
⊠	LIGHTING CONTROL CABINET TYPE 3060 AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6 (120/240 V)	—	LIGHTING CIRCUITS
---	EXISTING CIRCUITING	—	RECEPTACLE CIRCUIT
---	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 2-INCH	—	LOCATION (TO CENTER OF POLE)
---	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 1-INCH	—	LUMINAIRE ARM LENGTH IN FEET
---	CONDUIT RIGID NONMETALLIC (NMC) SCHEDULE 40 3/4-INCH	—	NOMINAL MOUNTING HEIGHT IN FEET
---	CAPPED CONDUIT STUB	—	LAMP WATTAGE
⊥	25 OHM GROUND	⊠	SPEAKER
⬅	10' GROUND ROD	⊕	RECEPTACLE STANCHION TYPE SPECIAL 1 UNLESS OTHERWISE NOTED
●	PULL BOX, 24" X 48"	⚠	IRRIGATION CONTROLLER
●	PULL BOX, 18" X 24"		

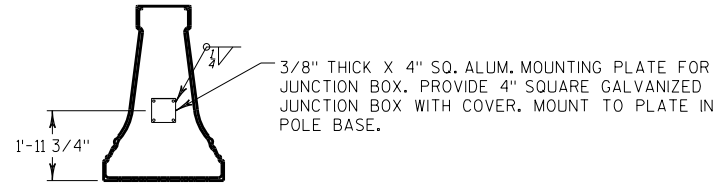
EQUIPMENT SCHEDULE					
SYMBOL	DESCRIPTION	LAMP SOURCE	MOUNTING	OPTICS	MANUFACTURER & SERIES #
●	LIGHTING UNIT TYPE SPECIAL 1 TEARDROP STYLE LED LUMINAIRE ON TAPERED FLUTED ALUMINUM POLE WITH BANNER ARMS & GFI RECEPTACLE WITH IN-USE COVER	70W 64LED ARRAY	24' POLE ON CONCRETE BASE	TYPE III	LUMEC - LUMINAIRE: RN20-70W64LED4KES-LE3R-GL-240-SMA-BKTX ARM: AR6-1-BKTX HAPCO - POLE: YOC23D8-TFO-BA 27600
●	LIGHTING UNIT TYPE SPECIAL 2 TEARDROP STYLE LED LUMINAIRE ON TAPERED FLUTED ALUMINUM POLE WITH BANNER ARMS & GFI RECEPTACLE WITH IN-USE COVER	70W 64LED ARRAY	16' POLE ON CONCRETE BASE	TYPE III	LUMEC - LUMINAIRE: RN20-70W64LED4KES-LE3R-GL-240-SMA-BKTX ARM: AR4-1-BKTX HAPCO - POLE: Y7C16D6-TFO-BA 27600
●	WAY FINDING POLE TAPERED FLUTED ALUMINUM	N/A	16' POLE ON CONCRETE BASE	N/A	HAPCO- POLE: Y7C16D6-TFO-BA-BALL FINIAL



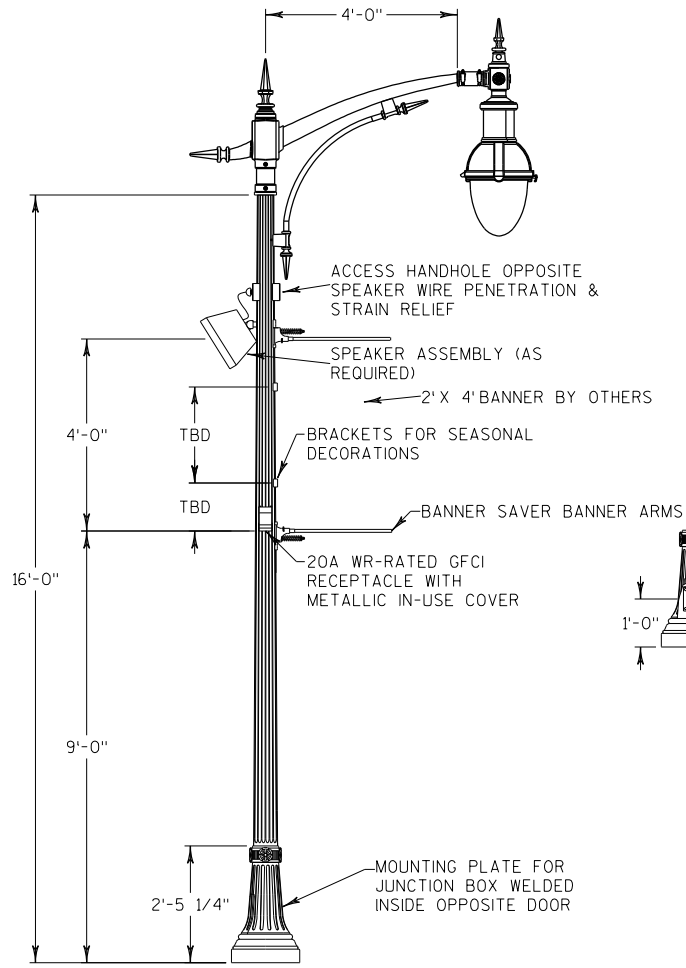
POLE MOUNTED SPEAKER SYSTEM COMPONENTS DETAIL



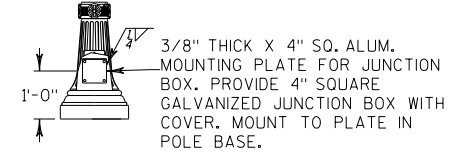
LIGHTING UNIT TYPE SPECIAL 1



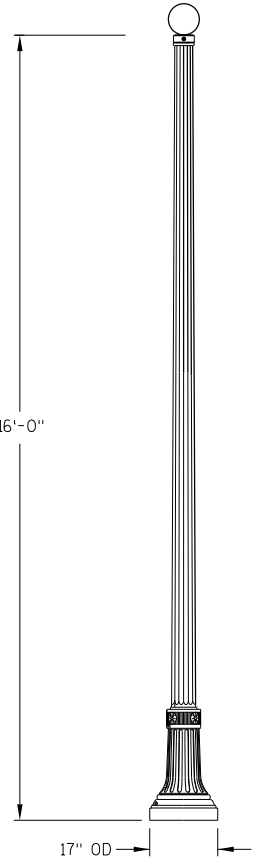
Interior Base View



LIGHTING UNIT TYPE SPECIAL 2



Interior Base View



**WAY FINDING POLE
SEE SIGNING PLAN**

GENERAL NOTES

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER EXCEPT WHEN EXCAVATING WITHIN 18-INCHES OF UNDERGROUND UTILITIES. WHEN EXCAVATING WITHIN 18-INCHES OF UTILITIES THE BASE SHALL BE DUG BY HAND.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

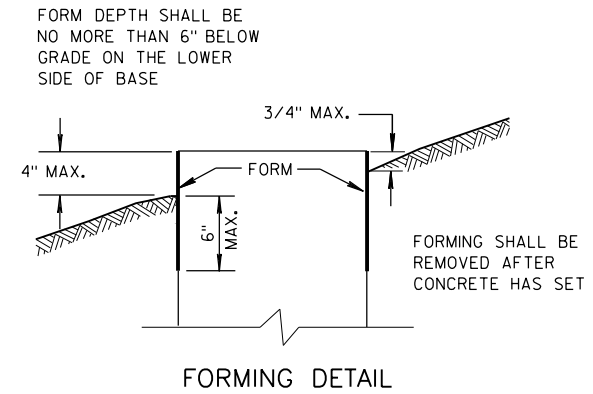
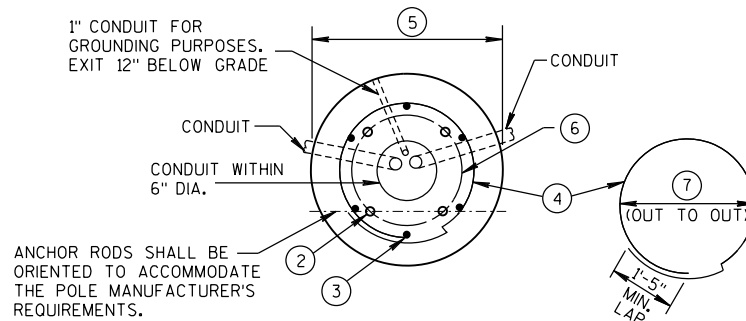
THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE PROVIDED BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

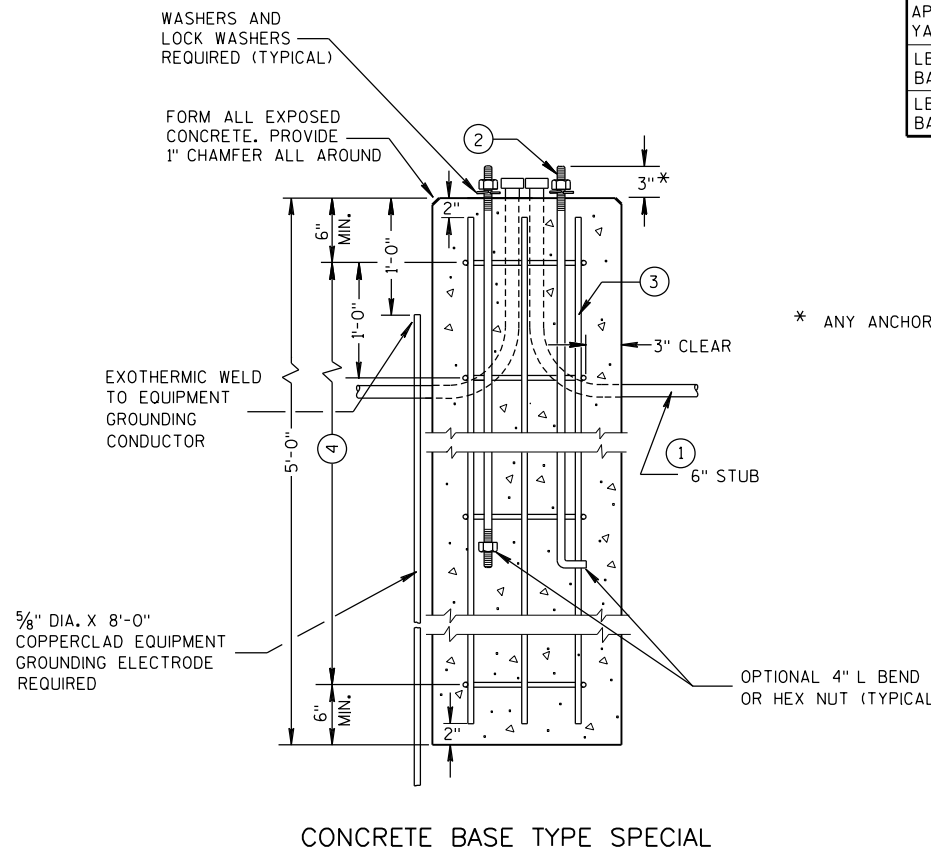
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

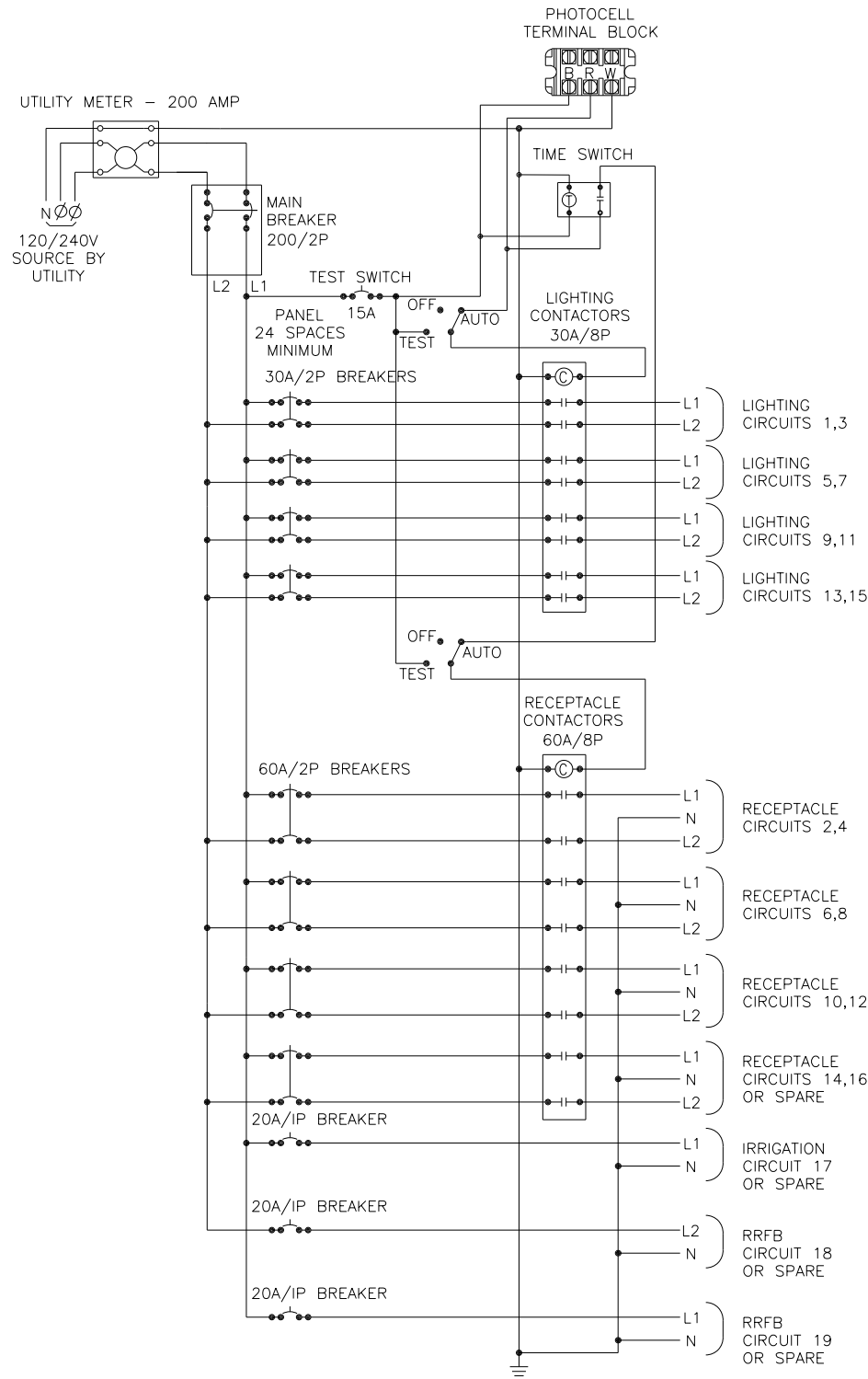
- ① THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
- ② ANCHOR RODS BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.
- ③ (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT.
- ④ (5) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.
- ⑤ 2'-0".
- ⑥ BOLT CIRCLE PER POLE MANUFACTURER'S REQUIREMENTS.
- ⑦ 1'-6".



QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18



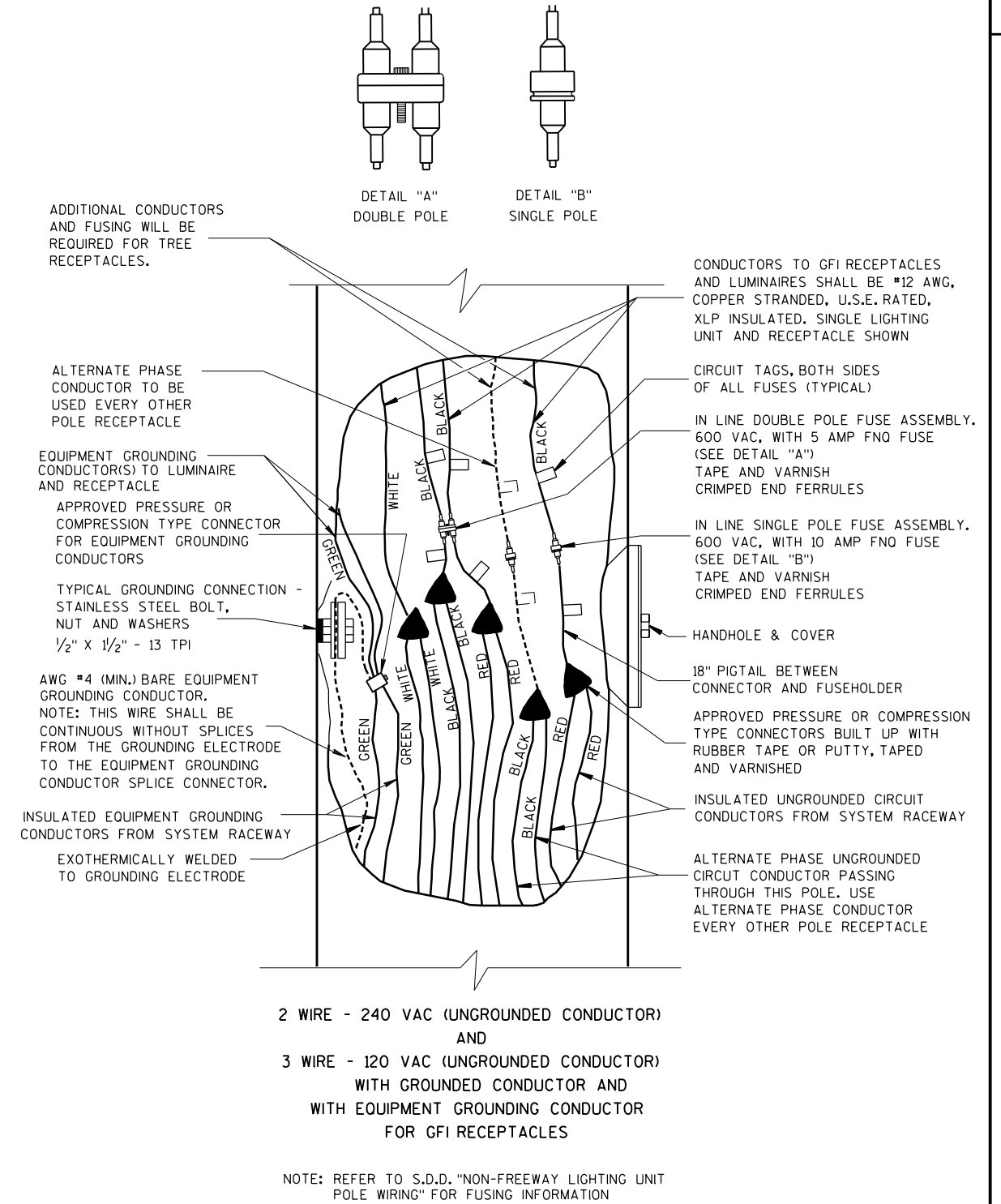
* ANY ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS.



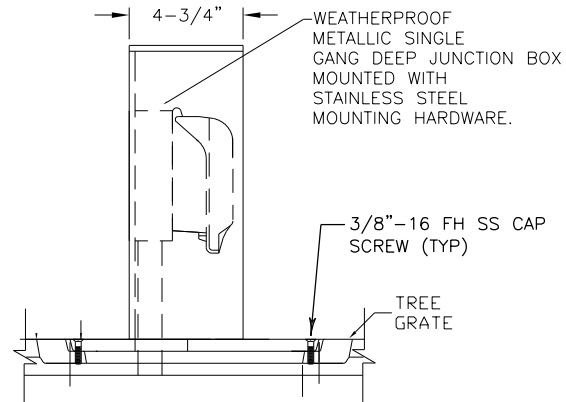
LIGHTING SERVICE CABINET NOTES

1. PROVIDE LEVER BYPASS METER SOCKET PER UTILITY COMPANY REQUIREMENTS.
2. PHOTOELECTRIC CONTROL SHALL BE INTERMATIC #4021 OR EQUAL WITH A MOVRO TYPE LIGHTNING ARRESTER. BOTH PHOTOELECTRIC CONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE.
3. LOAD CENTER, 120/240V, 1-PHASE, 24-POLE WITH BRANCH BREAKERS AS SHOWN IN SCHEMATIC.
4. CIRCUIT BREAKERS SHALL BE 120/240 VOLT AC, 60Hz AND SHALL BE CLEARLY MARKED WITH THE "ON" AND "OFF" POSITIONS AND IDENTIFIED WITH THE LOAD WHICH IT IS CARRYING.
5. CIRCUIT BREAKERS SHALL BE CLEARLY MARKED IN A MANNER THAT WILL NOT DETERIORATE WITH MOISTURE OR AGE.
6. SHORT CIRCUIT RATING - 22,000 AIC SYMMETRICAL.
7. SELECTOR SWITCH ALLEN BRADLEY #800TJ2A.
8. CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.
9. TIME SWITCH SHALL BE NEMA 3R WITH CAPACITOR BACKUP AND AUTOMATIC DAYLIGHT SAVINGS TIME AND LEAP YEAR ADJUSTMENTS. TORK MODEL E101B
10. COORDINATE SERVICE CONNECTION WITH SUPERIOR WATER, LIGHT & POWER REPRESENTATIVE.

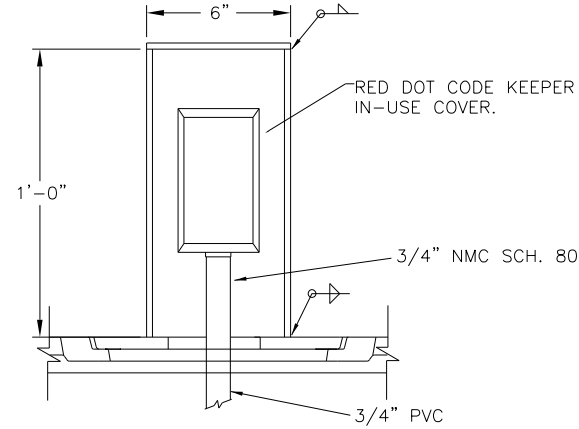
SERVICE CABINET "A", "B", & "C" SCHEMATIC



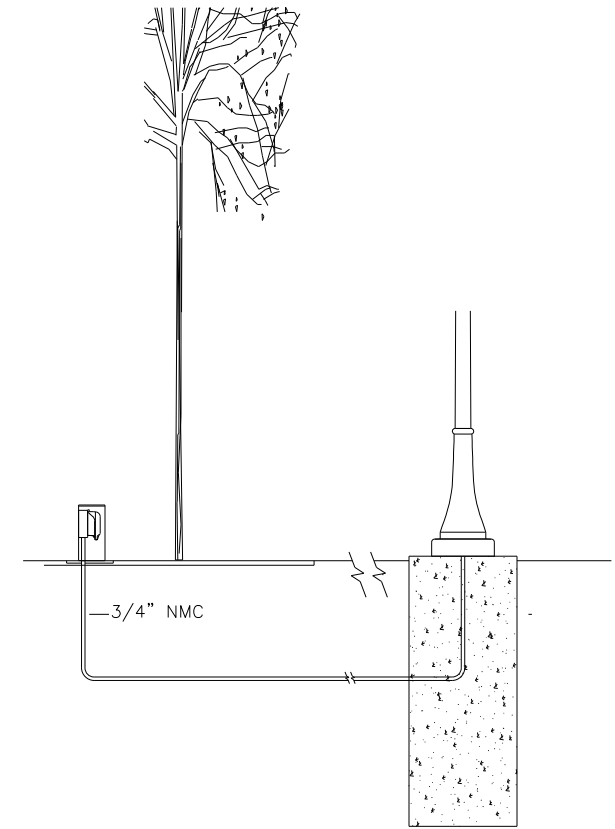
NOTE:
 THREADED MOUNTING HARDWARE FOR
 RED DOT CODE KEEPER, GFCI, AND
 STANCHION SHALL BE STAINLESS
 STEEL. ALL THREADED HARDWARE
 SHALL BE COATED WITH AN
 APPROVED ANTI-SEIZE COMPOUND.



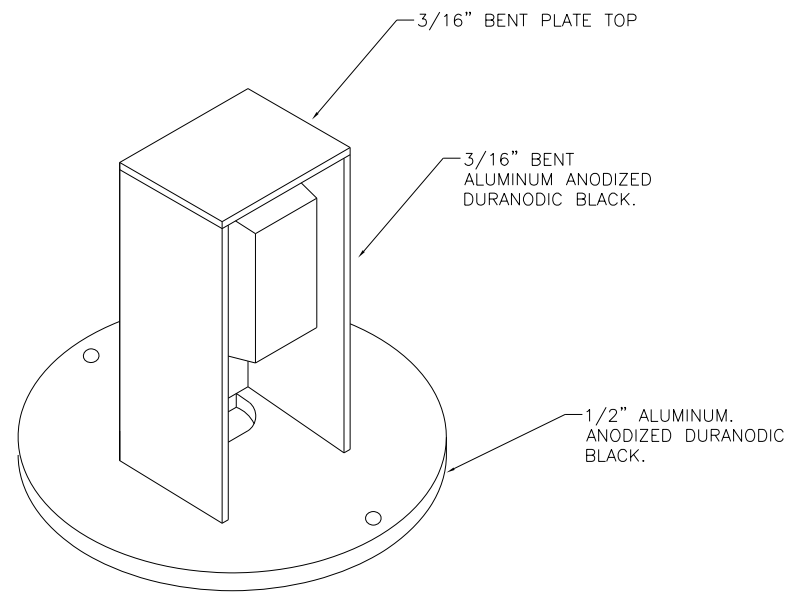
RECEPTACLE STANCHION TYPE SPECIAL 1 SIDE VIEW DETAIL
 SCALE: NONE



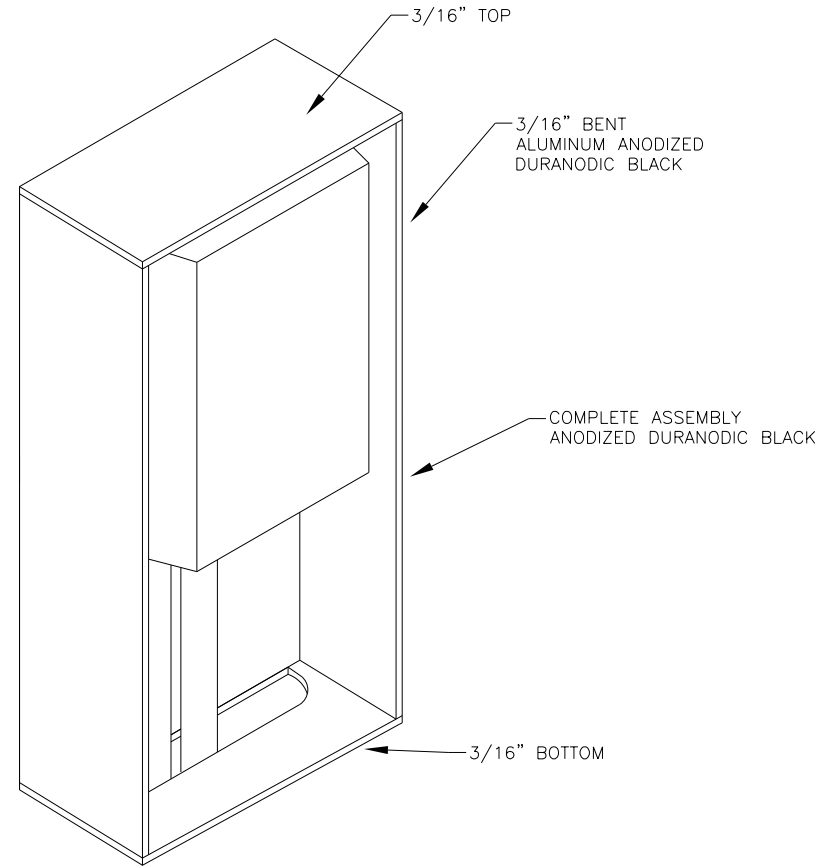
RECEPTACLE STANCHION TYPE SPECIAL 1 FRONT VIEW DETAIL
 SCALE: NONE



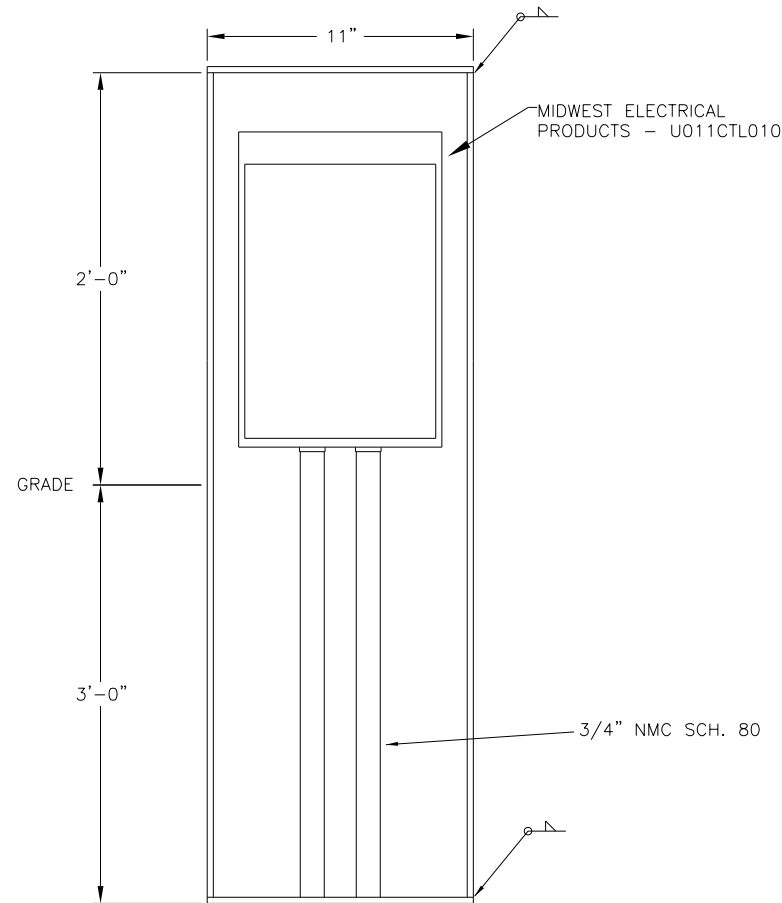
GFCI RECEPTACLE STANCHION DETAIL
 SCALE: NONE



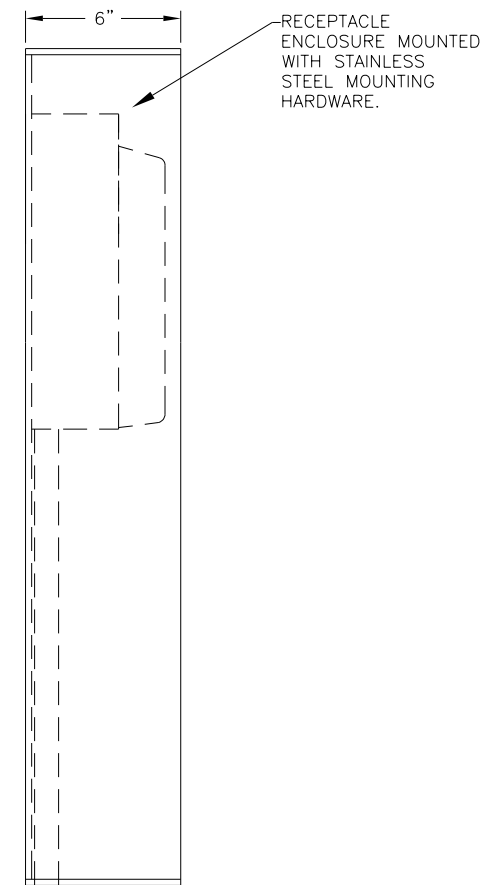
RECEPTACLE STANCHION TYPE SPECIAL 1 ISOMETRIC DETAIL
 SCALE: NONE



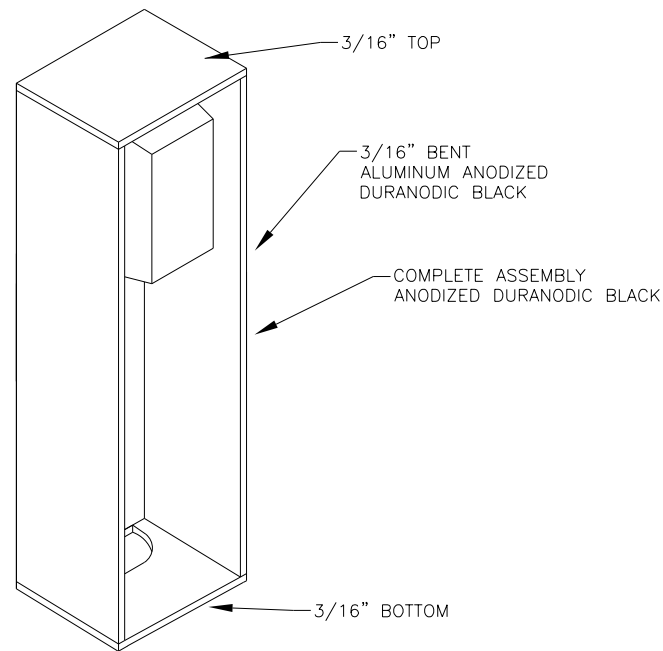
RECEPTACLE STANCHION TYPE SPECIAL 3 ISOMETRIC DETAIL
SCALE: NONE



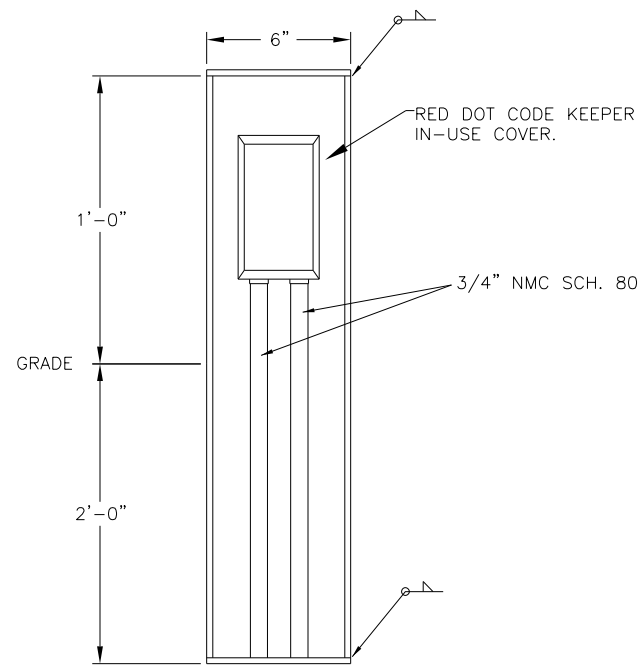
RECEPTACLE STANCHION TYPE SPECIAL 3 FRONT VIEW DETAIL
SCALE: NONE



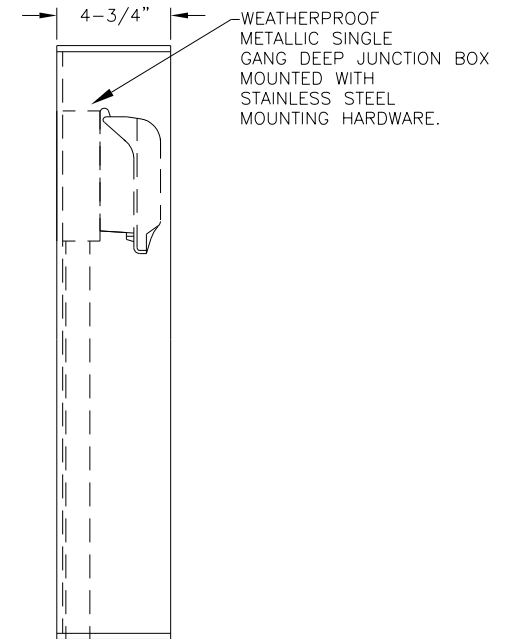
RECEPTACLE STANCHION TYPE SPECIAL 3 SIDE VIEW DETAIL
SCALE: NONE



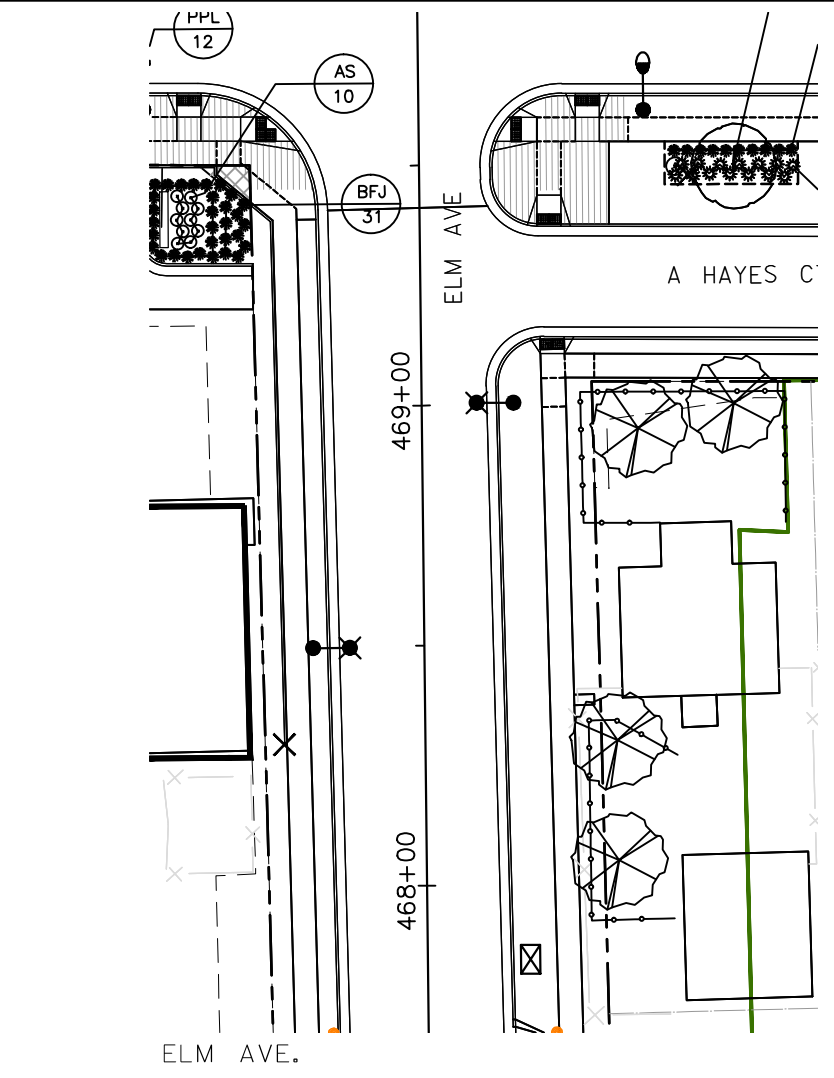
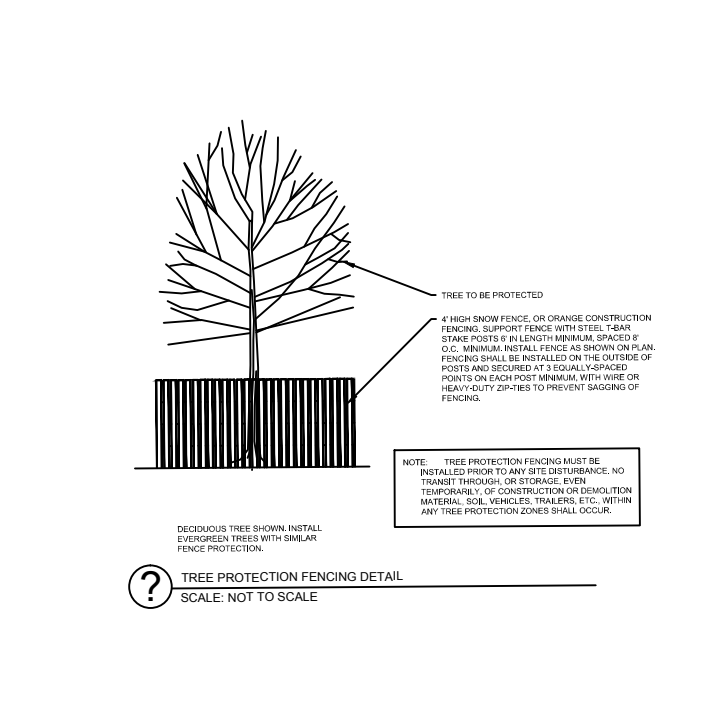
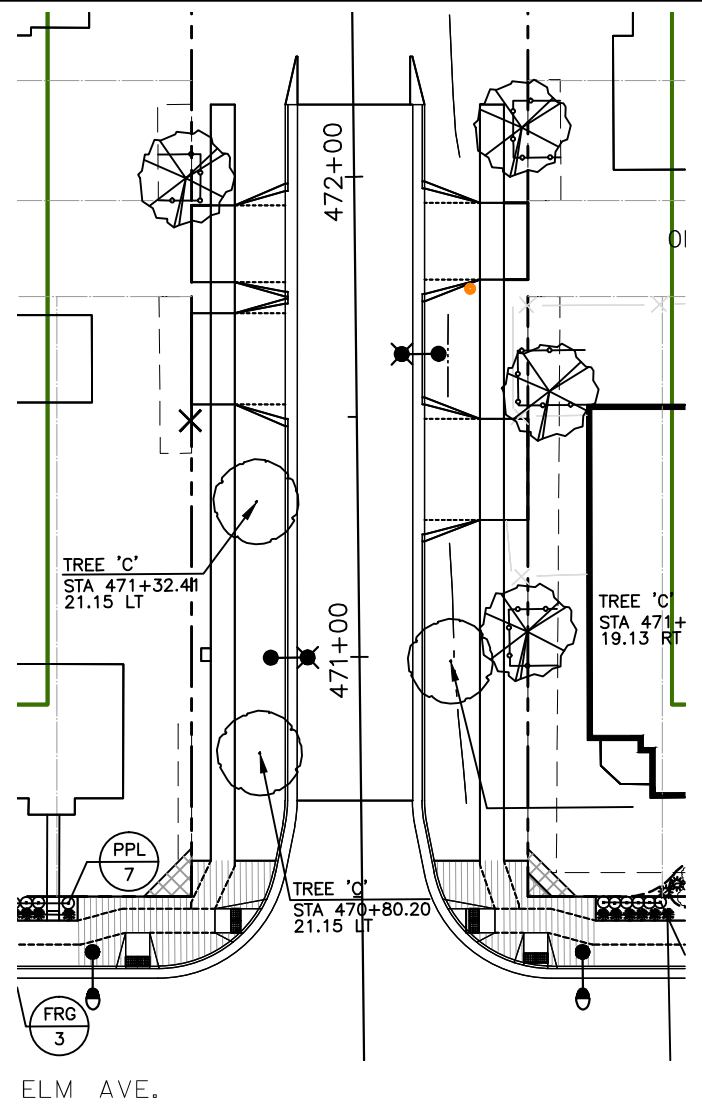
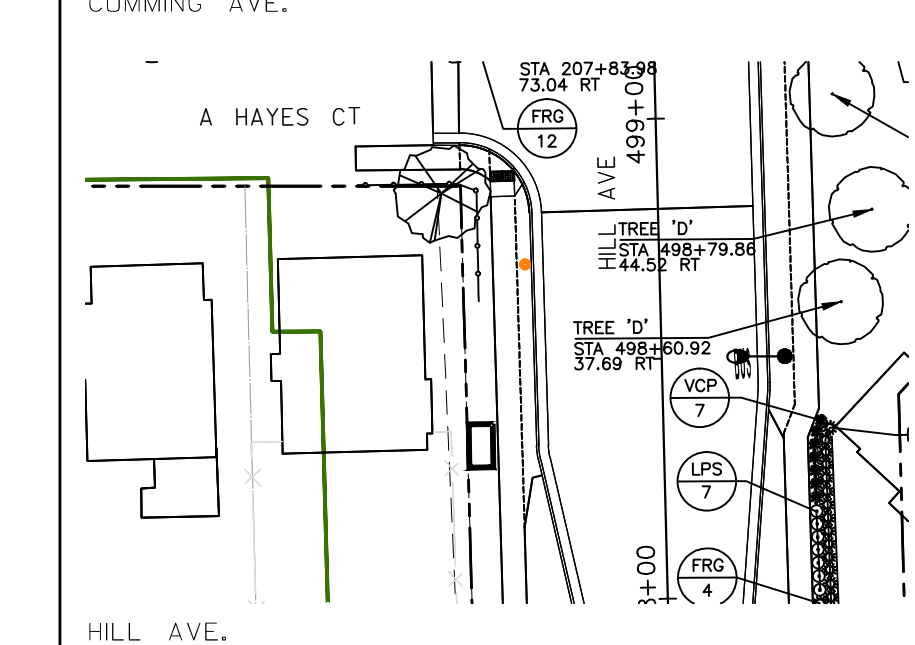
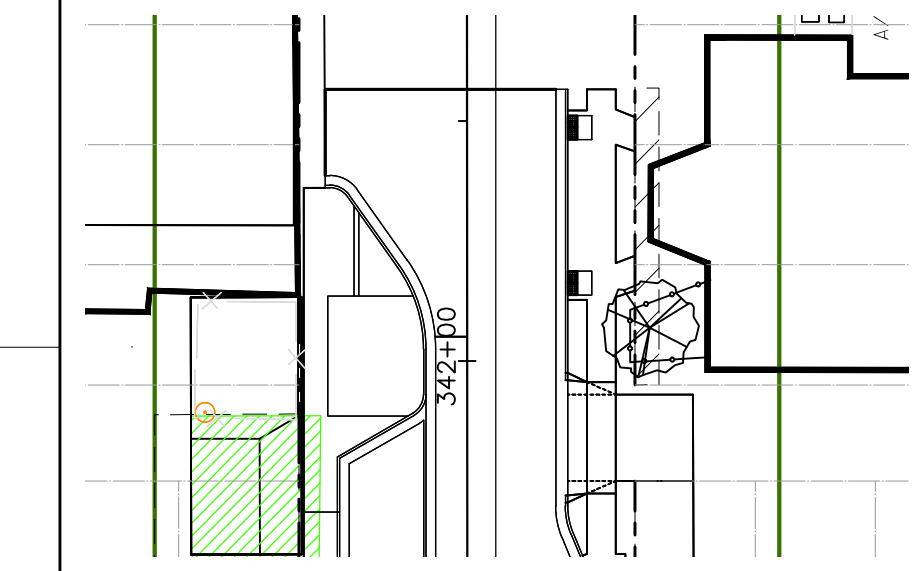
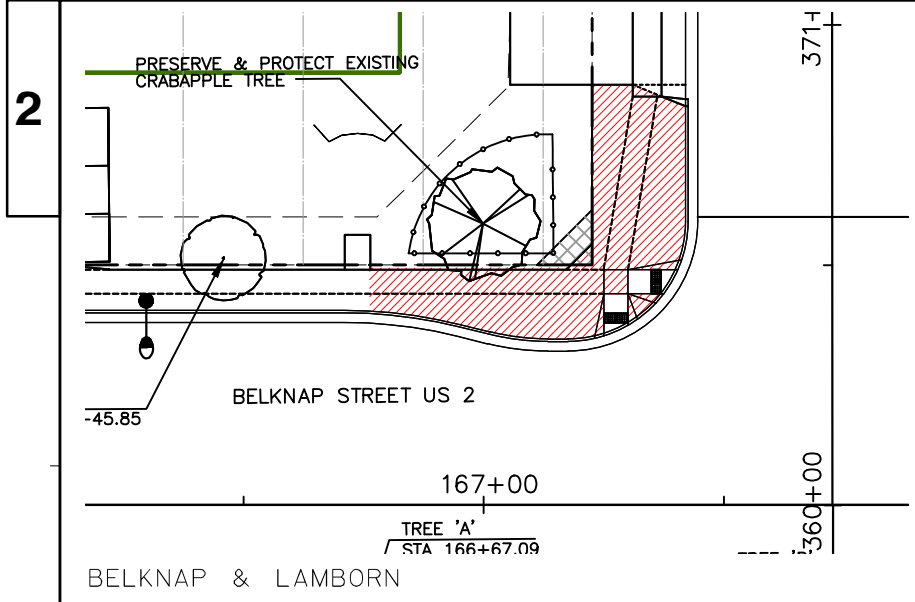
RECEPTACLE STANCHION TYPE SPECIAL 2 ISOMETRIC DETAIL
SCALE: NONE



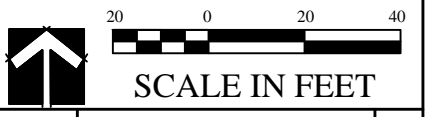
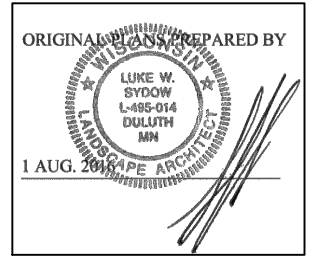
RECEPTACLE STANCHION TYPE SPECIAL 2 FRONT VIEW DETAIL
SCALE: NONE

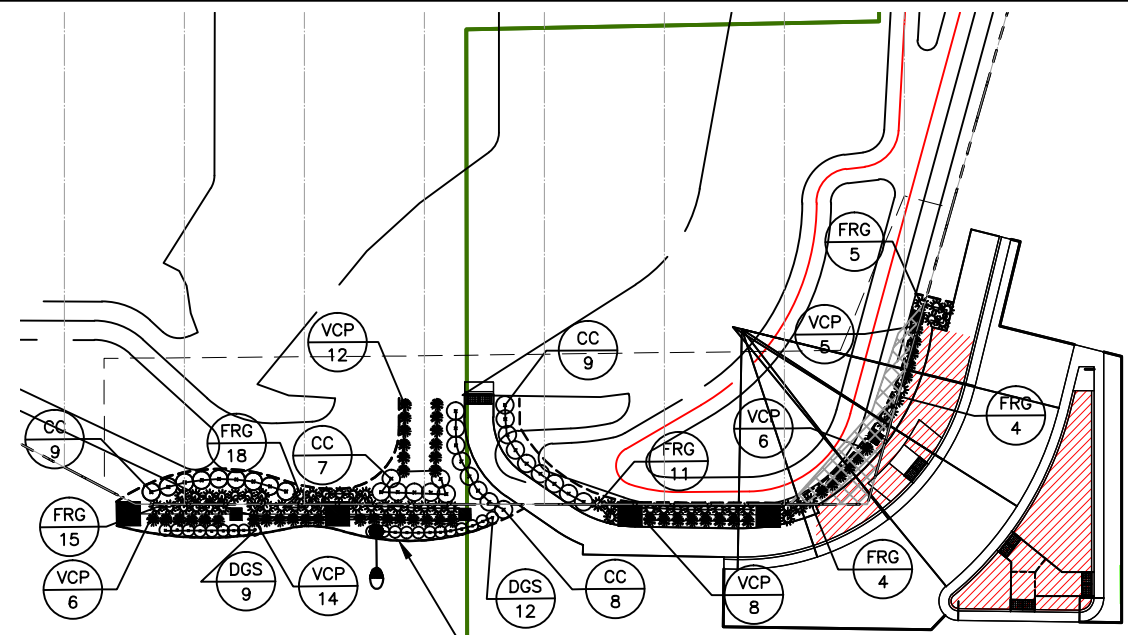


RECEPTACLE STANCHION TYPE SPECIAL 2 SIDE VIEW DETAIL
SCALE: NONE



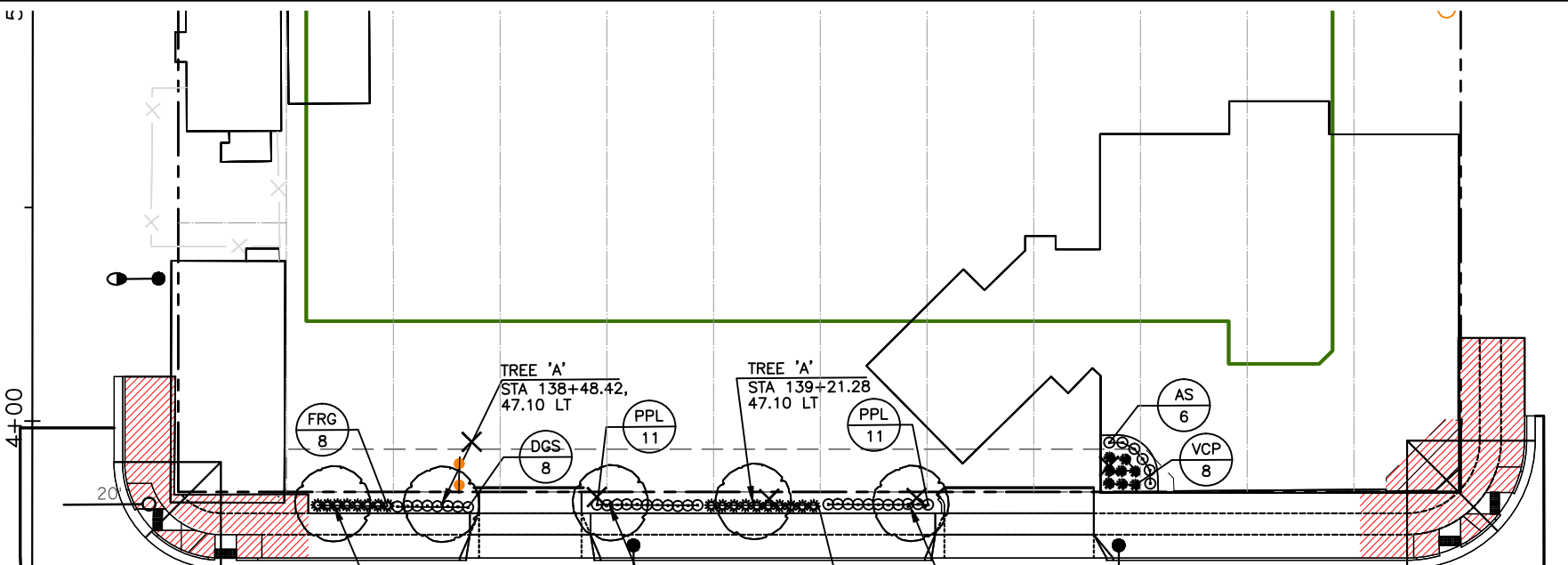
Protecting Trees			
Project 8680-00-71			
CAT 0010			
STATION	LOCATION	SPV. 0060.83 Each	REMARKS
167+10	Belknap St. 60 LT	1	Crabtree
CAT 0010 TOTAL		1	
PROJECT 8680-00-71			
CAT 0080			
STATION	LOCATION	SPV. 0060.84 Each	REMARKS
468+05	Elm Ave. 40 RT	1	Pine
468+30	Elm Ave. 40 RT	1	Pine
468+95	Elm Ave. 45 RT	1	Red maple
469+00	Elm Ave. 65 RT	1	Birch Trees
471+05	Elm Ave. 35 RT	1	Maple
471+55	Elm Ave. 40 RT	1	Maple
472+00	Elm Ave. 35 LT	1	Crimson King Maple
472+10	Elm Ave. 35 RT	1	Maple
342+07	Cumming Ave. 38 RT	1	Crab tree
CAT 0080 TOTAL		9	
PROJECT 8680-00-71 TOTAL		10	
PROJECT 8998-00-24			
CAT 0010			
STATION - STATION	LOCATION	SPV. 0060.84 Each	REMARKS
498+85	Hill Ave. 45 LT	1	Red maple
PROJECT 8998-00-24 TOTAL		1	



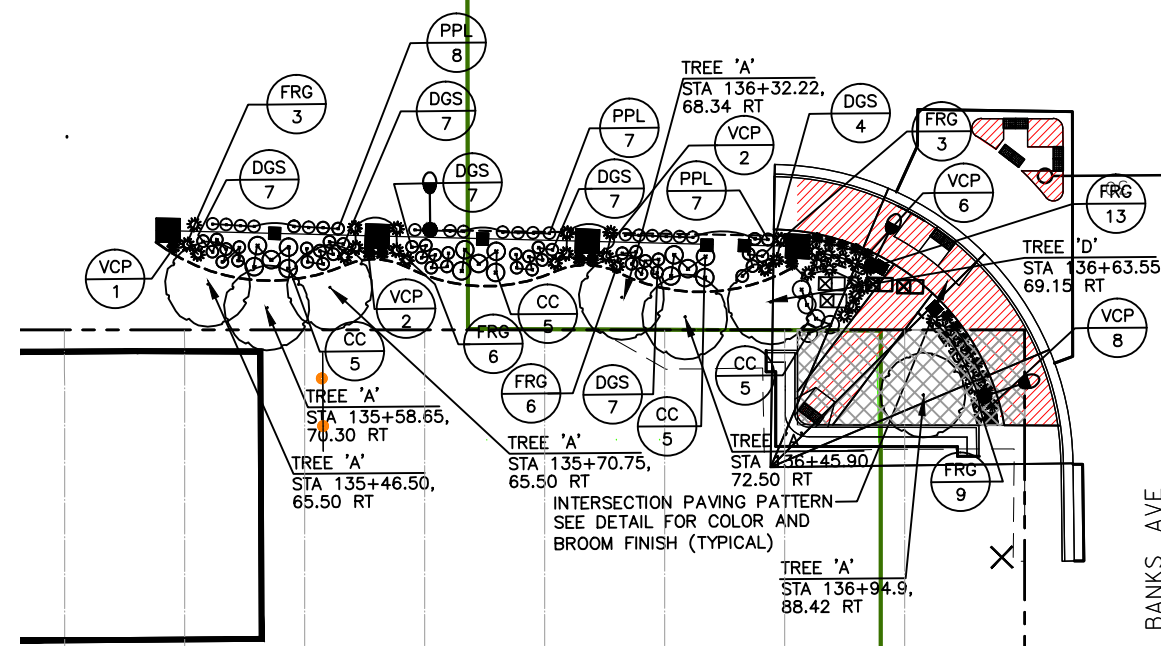


STEEL LANDSCAPE EDGER (TYP.)
SEPARATING ALL SHRUB BEDS FROM SOD

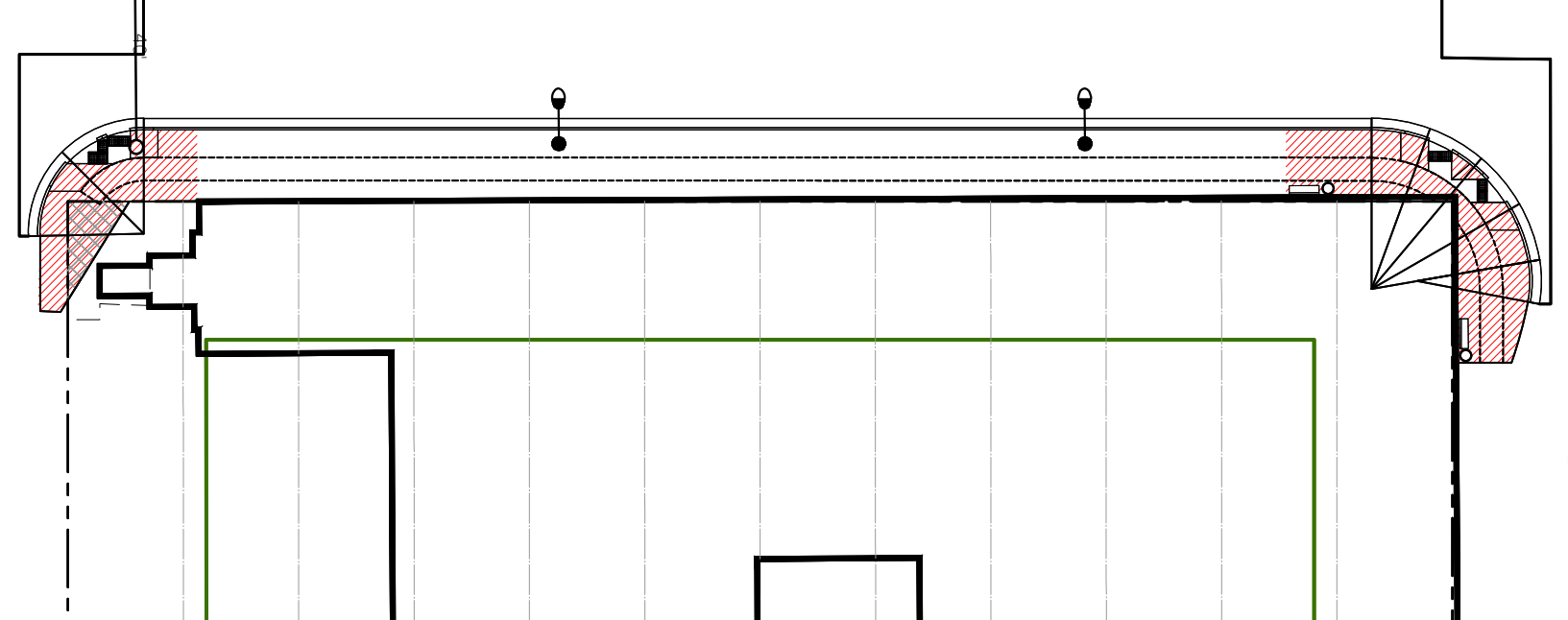
10 136+00 137+00



138+00 139+00 140+00 141+00



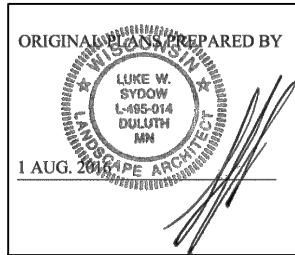
3+00
2+00
BANKS AVE

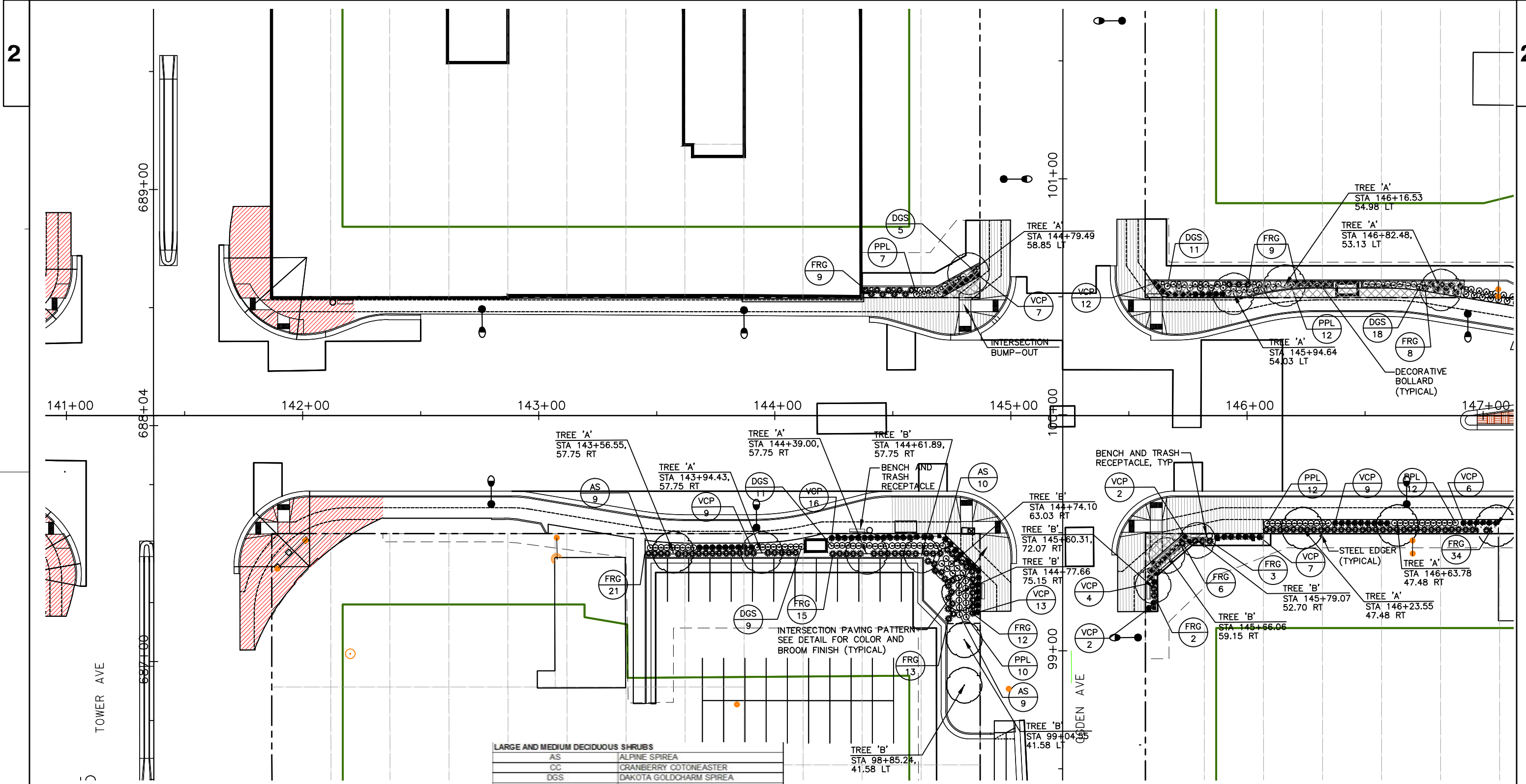


TOWER AVE

TREE PLANT LIST	
SYMBOL	COMMON NAME
TREE 'A'	NORTHERN ACCLAIM HONEYLOCUST
TREE 'B'	IVORY SILK LILAC TREE
TREE 'C'	HARVEST GOLD LINDEN
TREE 'D'	SIENNA GLEN MAPLE
TREE 'E'	DISCOVERY ELM
TREE 'F'	COMMON HACKBERRY
TREE 'G'	SPRING SNOW CRABAPPLE
TREE 'H'	PRAIRIE ROSE CRABAPPLE

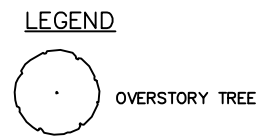
LARGE AND MEDIUM DECIDUOUS SHRUBS	
AS	ALPINE SPIREA
CC	CRANBERRY COTONEASTER
DGS	DAKOTA GOLDCHARM SPIREA
LPS	LITTLE PRINCESS SPIREA
PPL	PRAIRIE PETITE LILAC
AP	ABBOTSWOOD POTENTILLA
GP	GOLDFINGER POTENTILLA
LARGE AND MEDIUM EVERGREEN SHRUBS	
BFJ	BLUE FOREST JUNIPER
DNS	DWARF NORWAY SPRUCE
VCP	VALLEY CUSHION MUGHO PINE
SCS	SHERWOOD COMPACT SPRUCE
ORNAMENTAL GRASS	
FRG	FEATHER REED GRASS

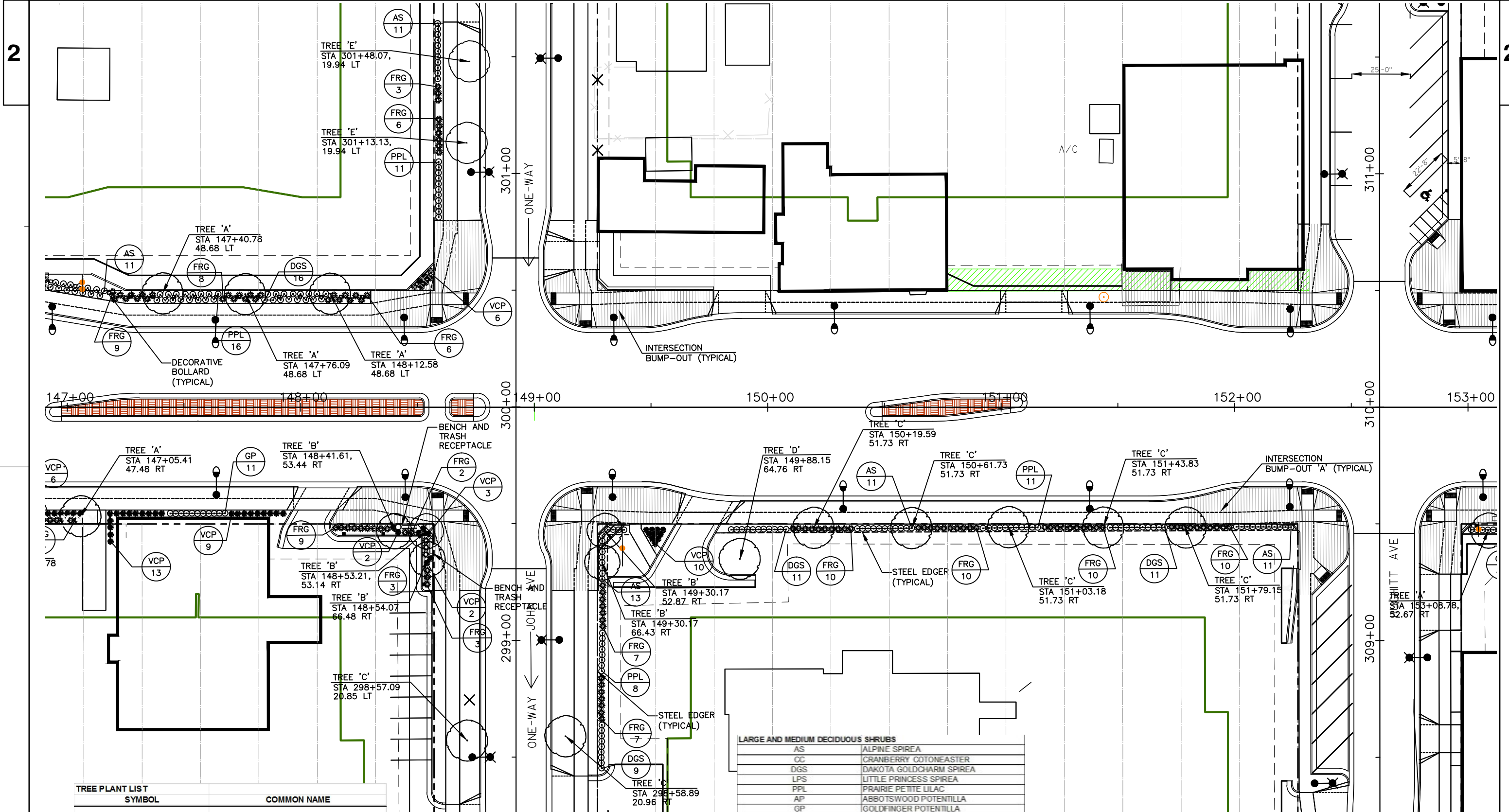




TREE PLANT LIST SYMBOL	COMMON NAME
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LARGE AND MEDIUM EVERGREEN SHRUBS	
BFJ	BLUE FOREST JUNPER
DNS	DWARF NORWAY SPRUCE
VCP	VALLEY CUSHION MUGHO PINE
SCS	SHERWOOD COMPACT SPRUCE
ORNAMENTAL GRASS	
FRG	FEATHER REED GRASS

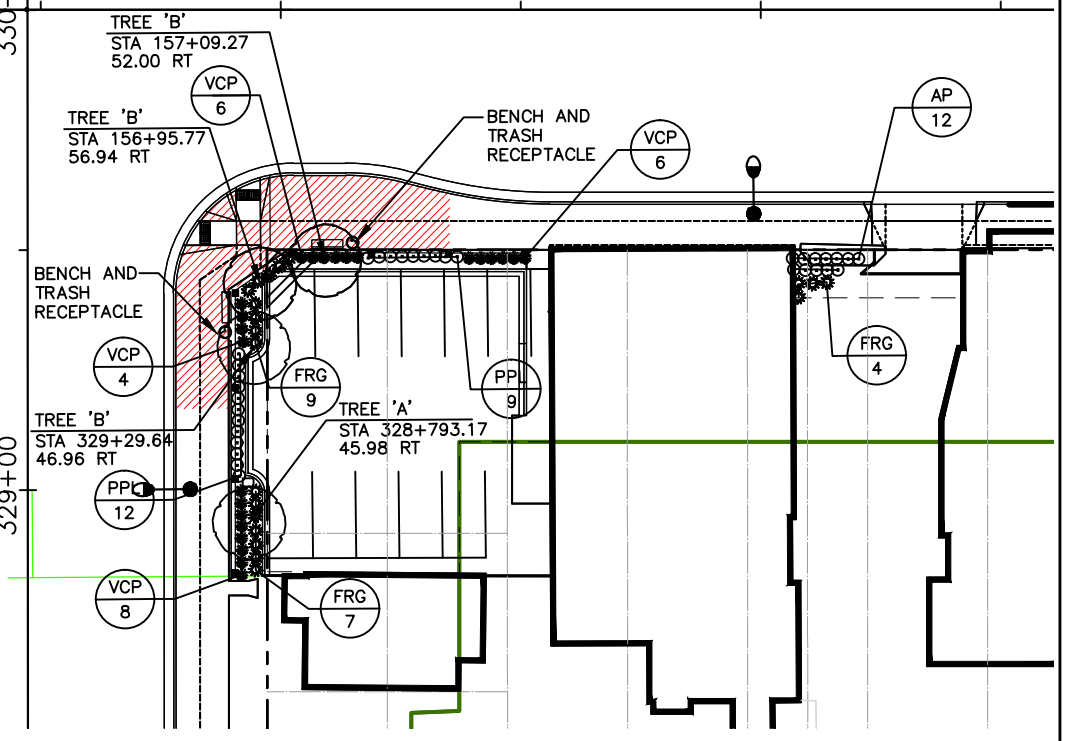
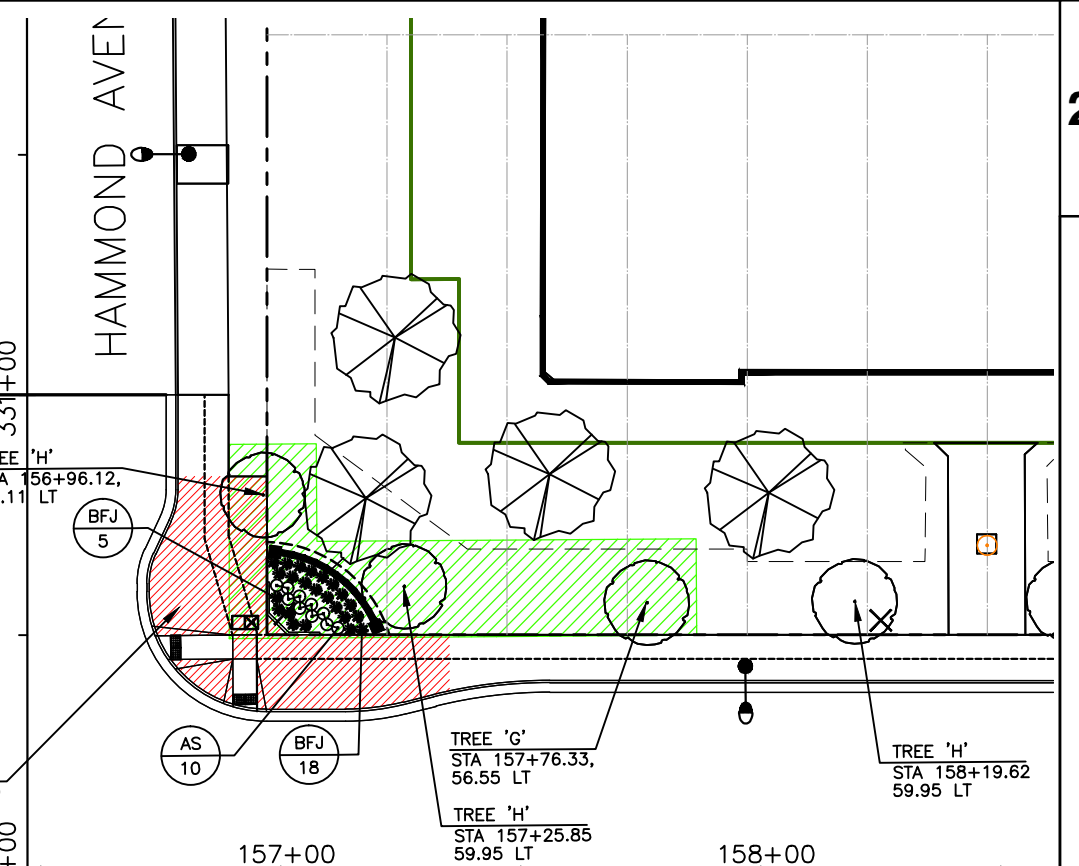
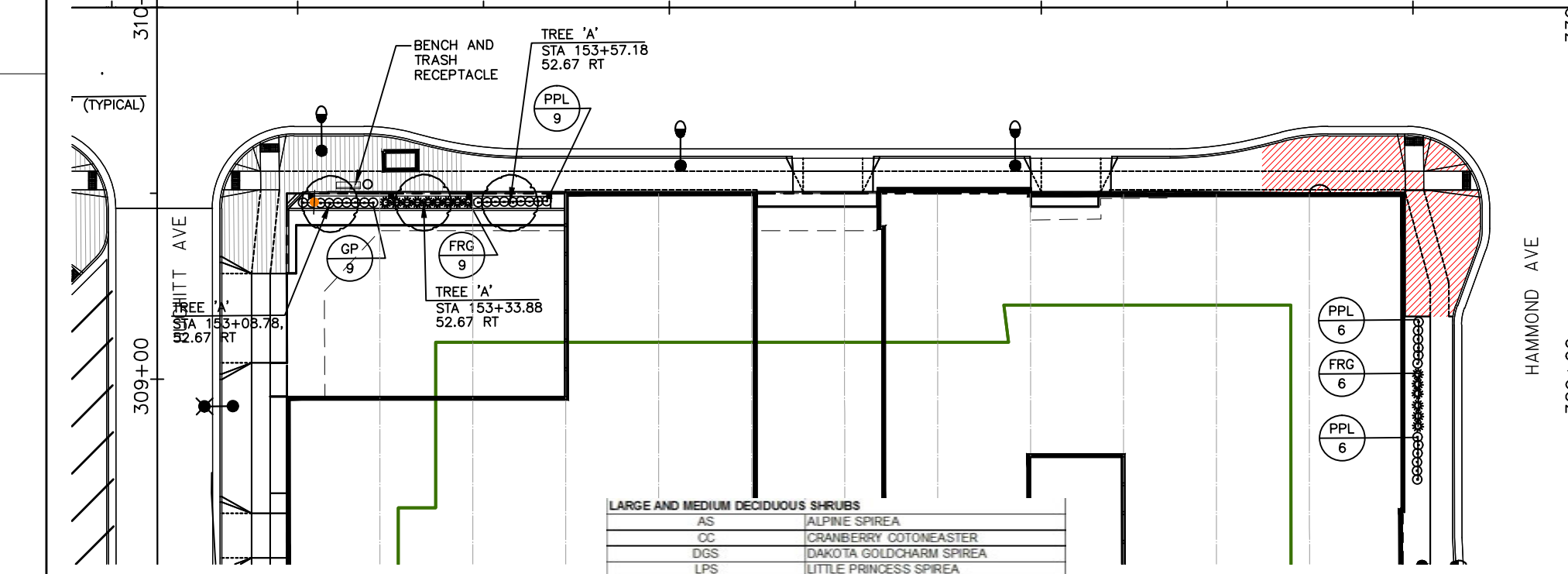
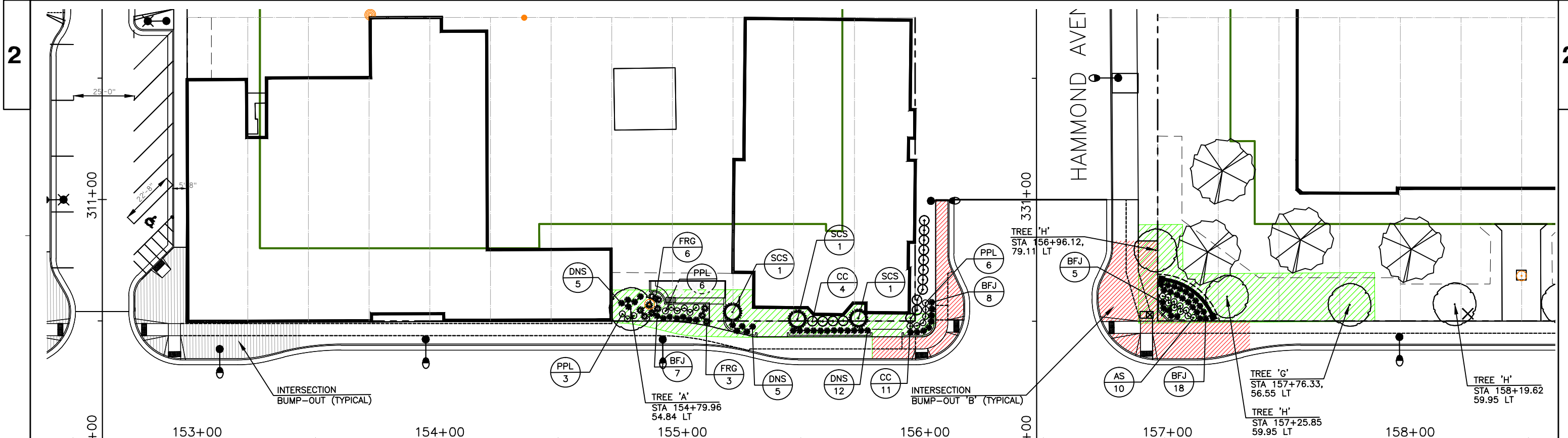




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BFJ	BLUE FOREST JUNIPER
DNS	DWARF NORWAY SPRUCE
VCP	VALLEY CUSHION MUGHO PINE
SCS	SHERWOOD COMPACT SPRUCE
ORNAMENTAL GRASS	
FRG	FEATHER REED GRASS





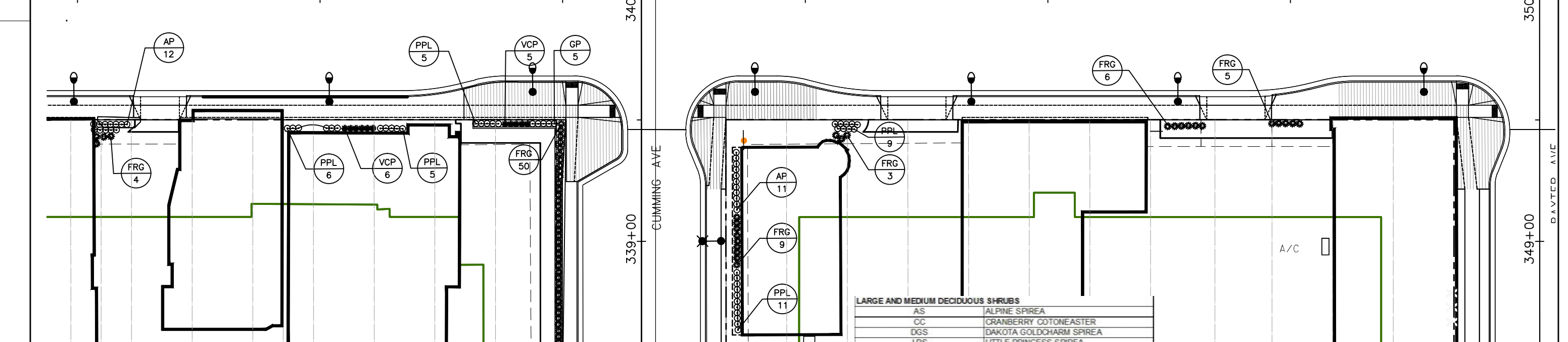
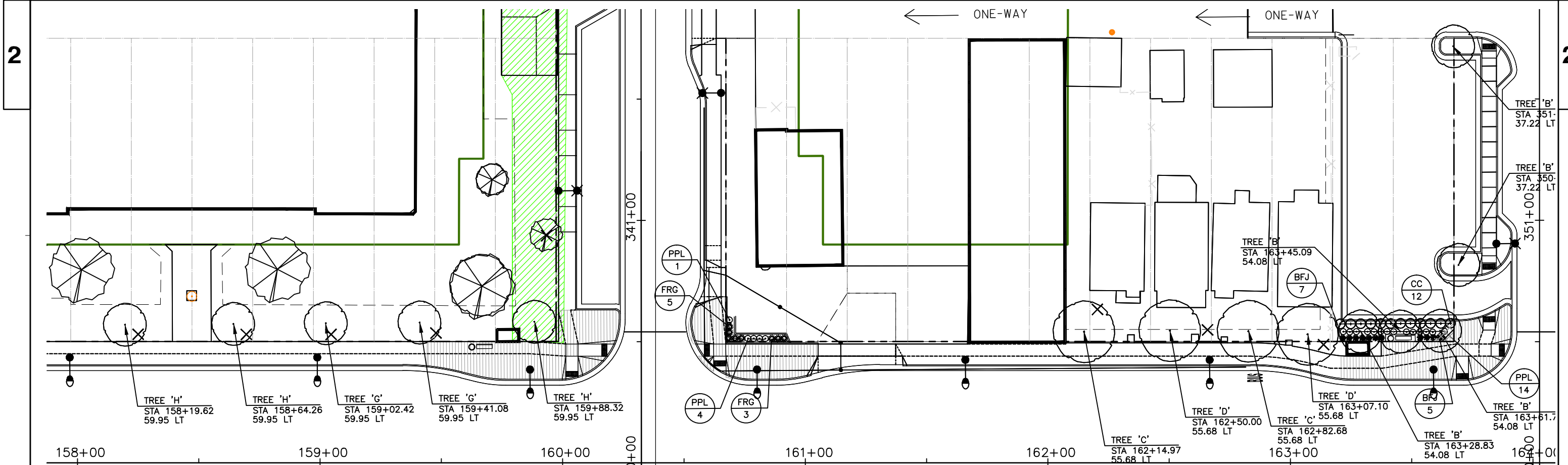
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ORNAMENTAL GRASS	
FRG	FEATHER REED GRASS

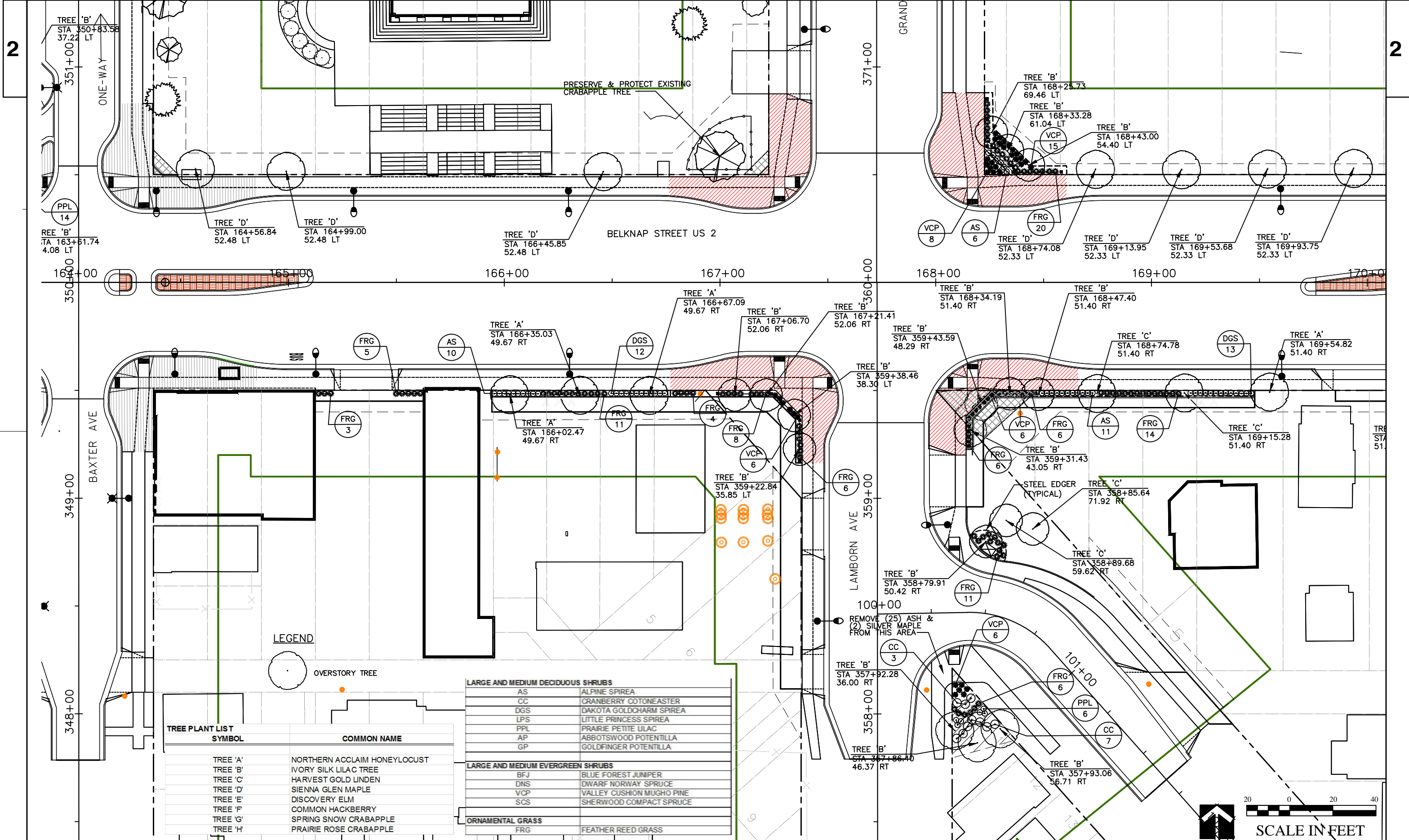




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DGS	DAKOTA GOLDCHEM SPIREA
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AP	ABBOTSWOOD POTENTILLA
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LARGE AND MEDIUM EVERGREEN SHRUBS	
BFJ	BLUE FOREST JUNIPER
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VCP	VALLEY CUSHION MUGHO PINE
SCS	SHERWOOD COMPACT SPRUCE
ORNAMENTAL GRASS	
FRG	FEATHER REED GRASS





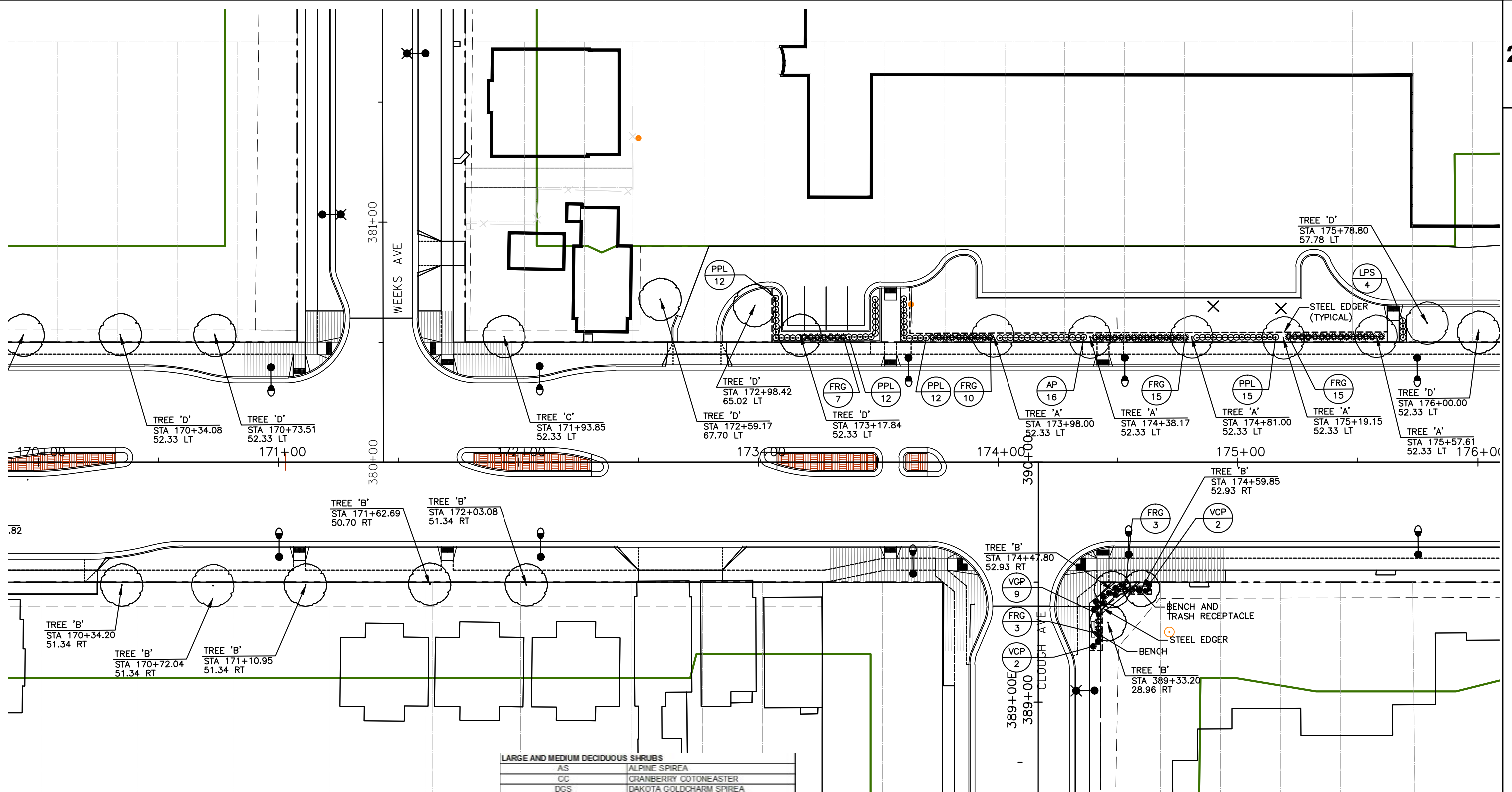
LEGEND

TREE PLANT LIST SYMBOL	COMMON NAME
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PPL	PRAIRIE PETITE LILAC
AP	ABBOTSWOOD POTENTILLA
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BFJ	BLUE FOREST JUNPER
DNS	DWARF NORWAY SPRUCE
VCP	VALLEY CUSHION MUGHO PINE
SCS	SHERWOOD COMPACT SPRUCE

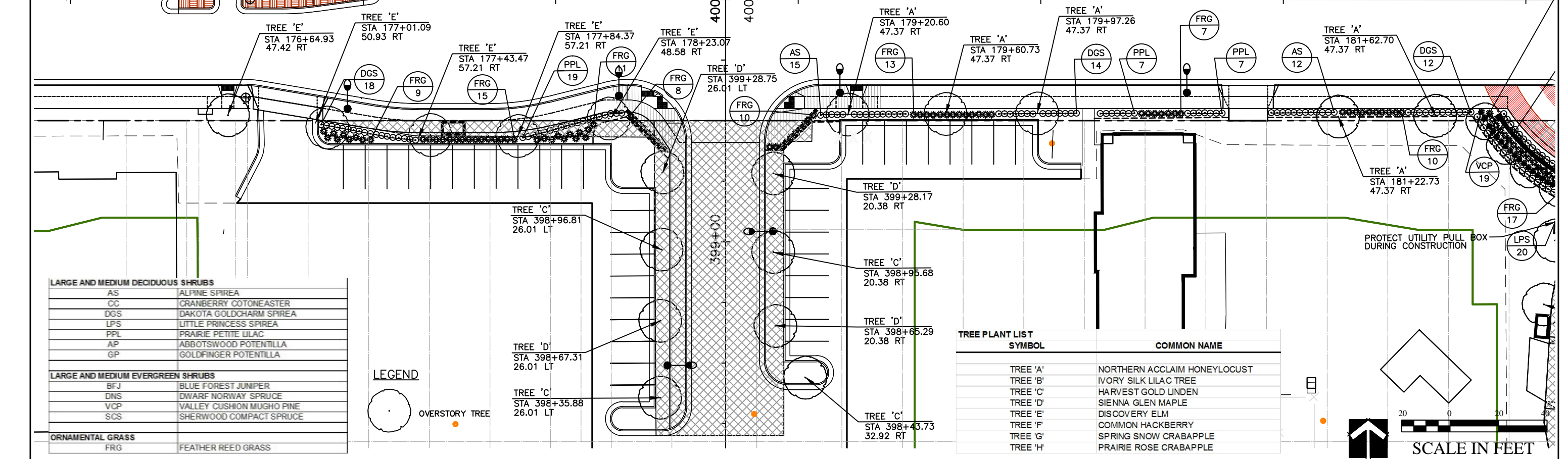
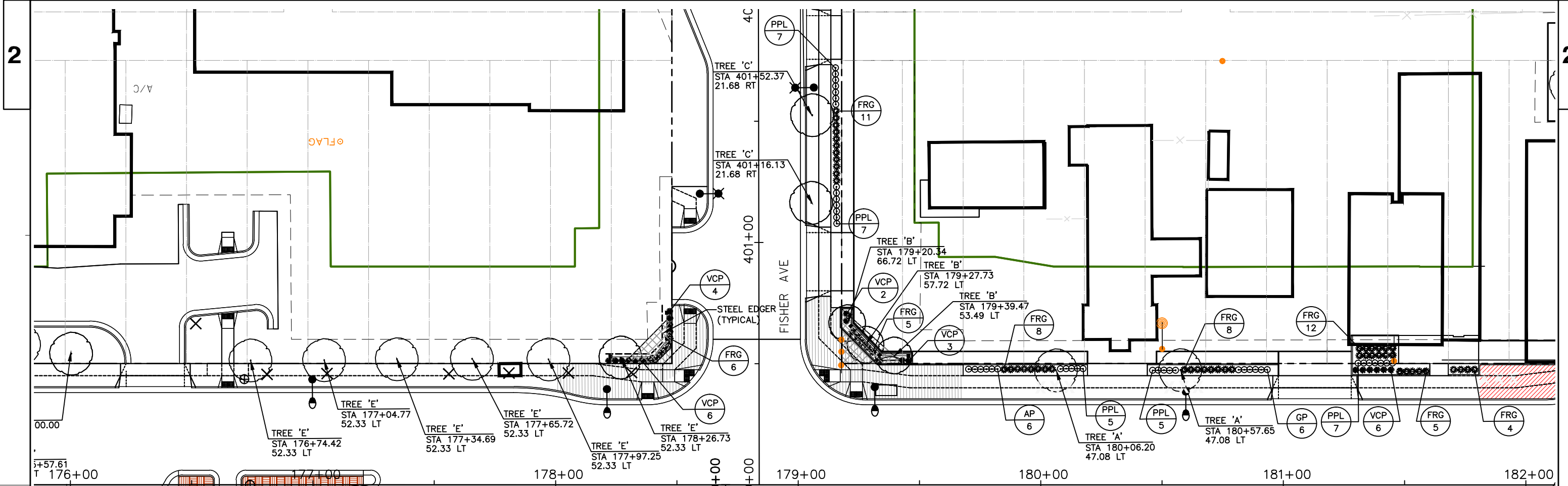
ORNAMENTAL GRASS	
FRG	FEATHER REED GRASS



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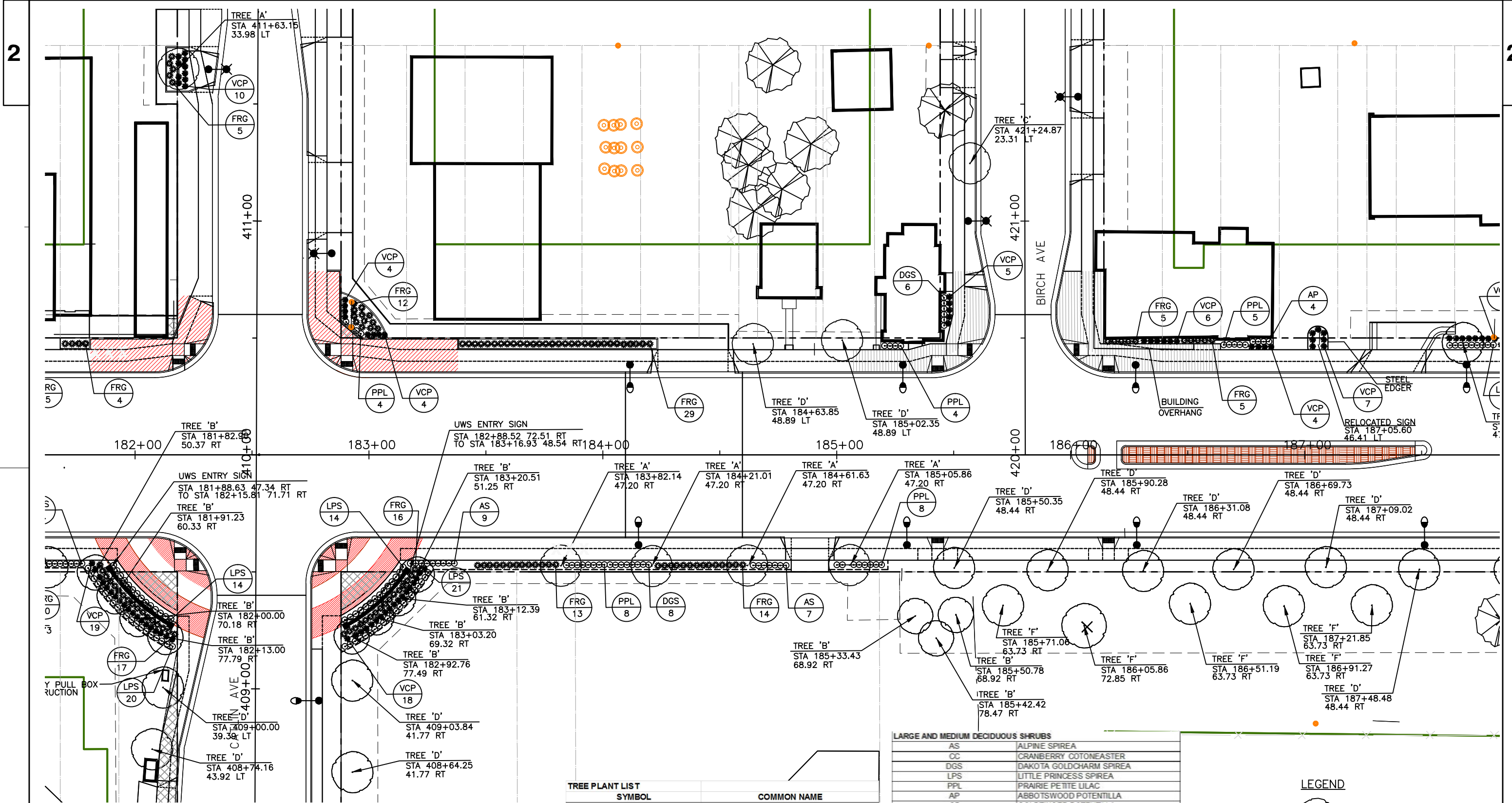
LARGE AND MEDIUM EVERGREEN SHRUBS	
BFJ	BLUE FOREST JUMPER
DNS	DWARF NORWAY SPRUCE
VCP	VALLEY CUSHION MUGHO PINE
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ORNAMENTAL GRASS	
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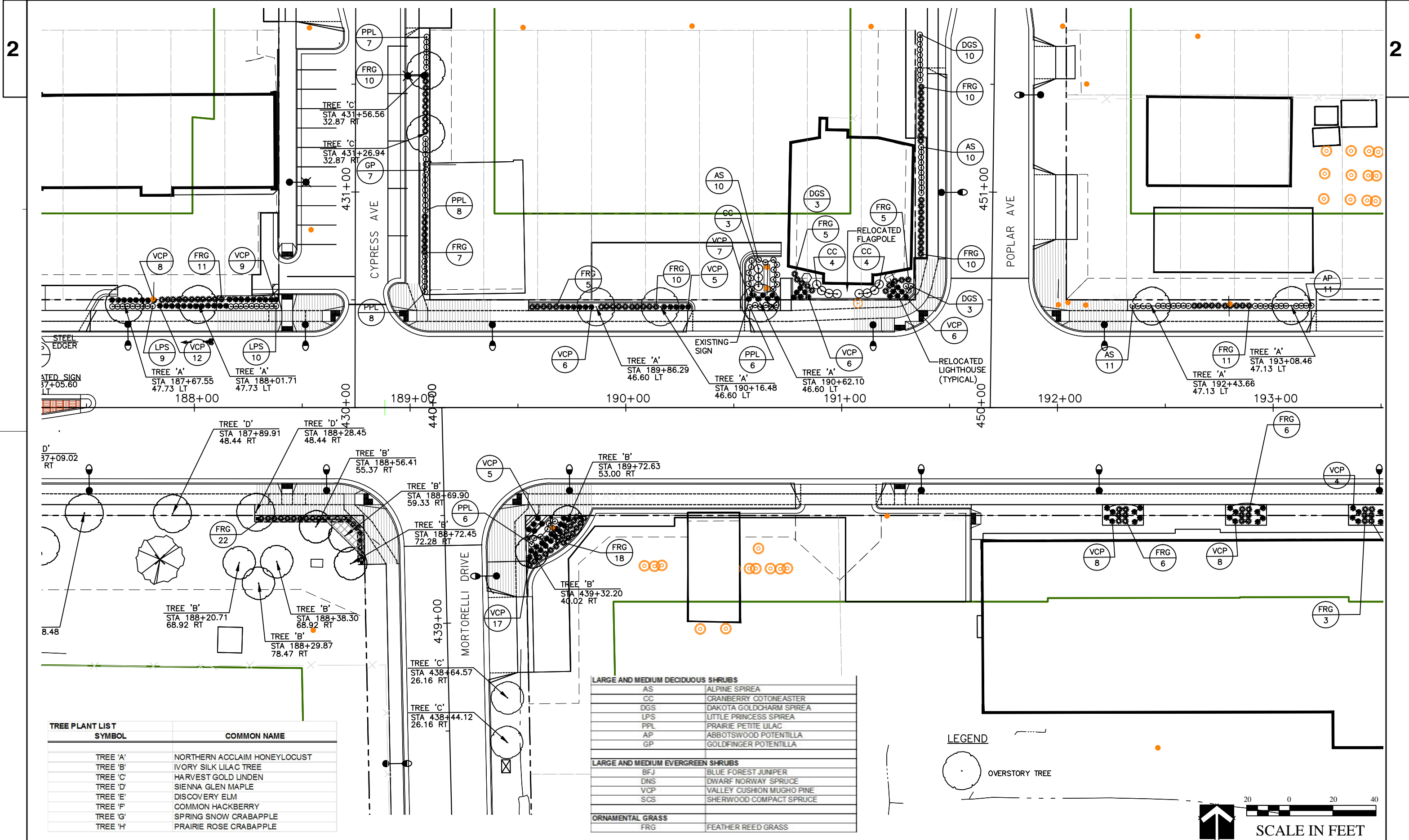




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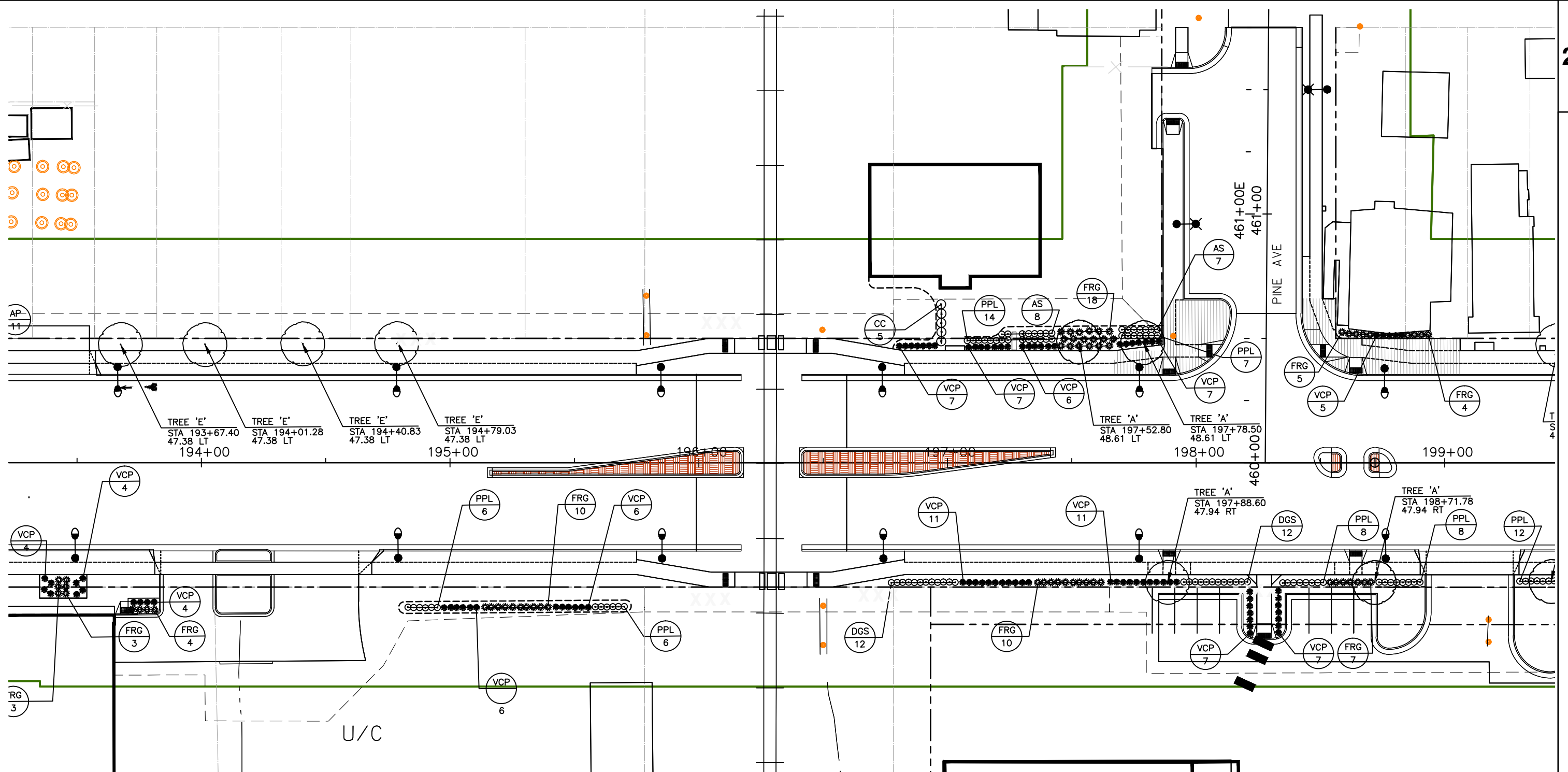




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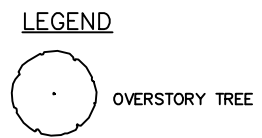
LARGE AND MEDIUM DECIDUOUS SHRUBS	
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CC	CRANBERRY COTONEASTER
DGS	DAKOTA GOLDFARM SPIREA
LPS	LITTLE PRINCESS SPIREA
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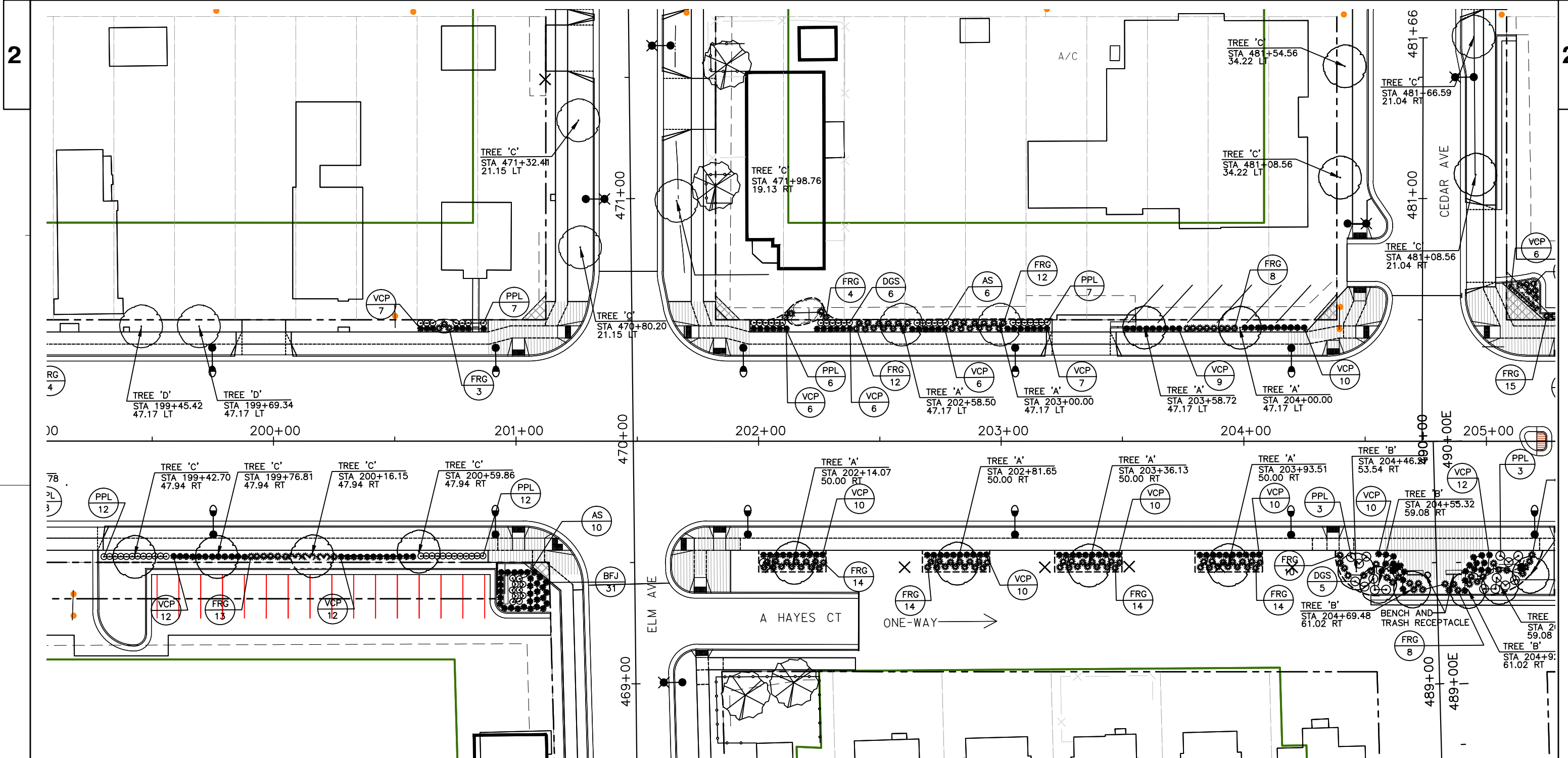




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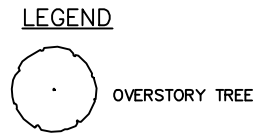


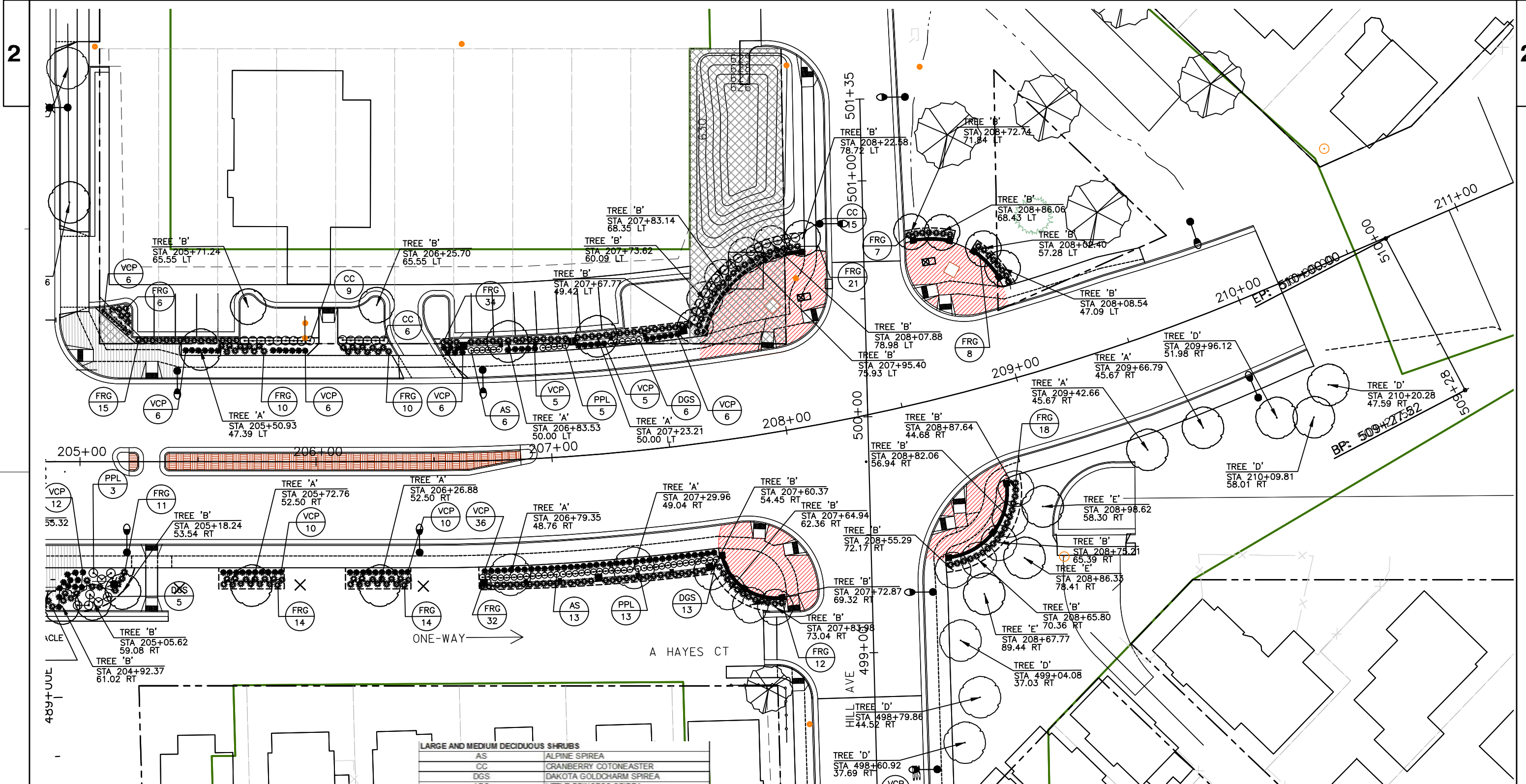
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ORNAMENTAL GRASS	
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