



AGENDA BILL

Agenda Subject: Consider Resolution 1873: Bannock Street Streetscape Improvements, 12th to 16th Streets Project. Construction Manager/General Contractor (CM/GC) RFQ Ranking		Date: May 13, 2024
Staff Contacts: Amy Fimbel Sr. Project Manager Kathy Wanner Contracts Manager	Attachments: A. Resolution 1873 B. Request for Qualifications – issued February 28, 2024 C. Final Evaluation Tally	
Action Requested: Adopt Resolution 1873 approving the CM/GC RFQ ranking for the Bannock Street Streetscape Improvements, 12th to 16th Streets Project and authorizing the Executive Director to negotiate and execute a CM/GC Agreement.		

Background:

In 2023, the Agency began the Bannock Street Streetscape Improvements Project to update streetscapes and improve mobility and safety along Bannock Street between 12th and 16th Streets. The Project's purpose is to create a more active and accessible urban environment for all modes of travel. The Ada County Highway District (ACHD) is concurrently developing the [Bannock Street Neighborhood Concept](#) design—which has similar objectives—and plans for bicycle and pedestrian improvements from 29th Street to Avenue C. At the outset of these two projects, the Agency and ACHD began coordinating planning efforts of the overlapping project areas. During preliminary design, ACHD proposed an interagency cost share agreement that includes pavement rehabilitation and the replacement of Boise City Canal structure #1489 which crosses under Bannock Street east of 14th Street.

Improvements anticipated with this Project include:

- Streetscape improvements that are compliant with the City of Boise's Streetscape Standards, including curb bulbouts and suspended pavement systems where appropriate
- Installation of new street trees, historic light pole assemblies, bike racks, and concrete planters
- Stormwater infrastructure improvements
- Pavement reconstruction consisting of a 2" mill and inlay of asphalt pavement within the Project limits
- Replacement of the Boise City Canal structure 1489 across Bannock St east of 14th Street
- Added traffic signals at the 15th and 16th Street intersections.

The program of improvements is extensive and will require precise planning and coordination. Due to the complexities inherent to streetscape construction in a downtown environment, the level of pedestrian, bicycle and vehicle traffic in the area, and the proximity to Meadow Gold Dairy, Fire Station 5, and St. Paul Baptist Church, the Agency determined the best approach for this Project would be to utilize the Construction Manager/General Contractor (“CM/GC”) construction delivery method.

The CM/GC Delivery Method:

The CM/GC is selected through a qualifications-based selection process in accordance with Idaho Code. For public works construction, CM/GCs must hold both a Construction Manager license and a Public Works Contractor license. Throughout the project the CM/GC represents the Agency to ensure a predictable and manageable construction project that can be built on time and within the budget. The Agency has hired a CM/GC on many prior occasions with success.

The Agency selected CSHQA, Inc. to provide design services for the Project. During pre-construction, the CM/GC collaborates with the design team and Agency to review and modify the design as needed to improve constructability, estimate costs of the design, and develop a logistics and phasing plan for construction. Around the 95% design stage, the Board will oversee amendment of the contract to provide for the Guaranteed Maximum Price (GMP) for construction. The GMP is a key benefit of all CM/GC contracts: the contractor guarantees the construction price – making the contractor “at risk” if the price goes higher. At that point, the CM (Construction Manager) becomes the GC (General Contractor) to construct the project.

Hiring the CM/GC:

The Agency issued a Request for Qualifications (RFQ) on February 28, 2024, inviting licensed CM/GC companies to submit Statements of Qualifications (SOQ). The requisite public notice was published in the *Idaho Statesman* newspaper on February 28 and March 6. Notice was also sent to the plan room at the Idaho Association of General Contractors as well as several general contractors holding the necessary Construction Manager license. A pre-proposal meeting was held on March 6.

Three companies submitted qualifications by the April 11, 2024 submission deadline: Andersen Construction of Idaho, LLC; McAlvain Construction, Inc.; and Wright Brothers, The Building Company, Eagle LLC.

The Agency convened an evaluation panel of Agency staff and the project consultant. The three SOQs received were evaluated first for compliance with the technical requirements as prescribed in the RFQ – all firms met these requirements. They were then ranked based on qualifications and demonstrated competence. Each firm was evaluated on the criteria specified in the RFQ: company profile, CM/GC project team, experience and past performance, and project management. Each of these companies is to be commended for the quality of their proposals and the expertise and competency of their work as evidenced in their SOQs.

The panel members unanimously ranked **McAlvain Construction, Inc.** as the top-ranked firm. The panel concluded that McAlvain Construction exhibits a well-orchestrated team approach that is built on a depth of CM/GC experience. The effective construction management approach presented by the company, coupled with their depth of resources, proposed team, influence within the local subcontracting community, and recent experience reconstructing three similar sections of the Boise City Canal, offers the Agency schedule and budget certainty in today’s construction market. McAlvain Construction’s can-do attitude is bolstered by strong communication methods.

In short, McAlvain Construction, Inc. offers a highly qualified team backed by a sophisticated, local construction company that is dedicated to giving the Bannock Street Streetscape Improvements Project the company's full attention.

Please see Attachment C for the panel's scoring of the companies. In accordance with Idaho Code § 67-2320(2), securing the services of the CM/GC firm will involve negotiating with the highest ranked firm for a contract to perform the services at a reasonable and fair price. If the Agency is unable to negotiate a satisfactory contract, the Agency may undertake negotiations with the next highest ranked firm for a contract at a reasonable and fair price. State statute establishes this process so that the public receives a fair price for professional services.

Fiscal Notes:

The CM/GC agreement shall define the terms of the contractual relationship between the Agency and the chosen firm, including the hourly rates charged for the CM/GC services. The approved FY2024 budget and forecasted FY2025 budget include sufficient funding for this Project.

Staff Recommendation:

Adopt Resolution 1873 approving the CM/GC RFQ ranking for the Bannock Street Streetscape Improvements, 12th to 16th Streets Project and authorizing the Executive Director to negotiate and execute a CM/GC Agreement in accordance with that ranking and the requirements set forth by state statute.

Suggested Motion:

I move to adopt Resolution 1873 approving the CM/GC RFQ ranking for the Bannock Street Streetscape Improvements, 12th to 16th Streets Project and authorizing the Executive Director to negotiate and execute a CM/GC Agreement.

RESOLUTION NO. 1873

BY THE BOARD OF COMMISSIONERS OF THE URBAN RENEWAL AGENCY OF BOISE CITY, IDAHO:

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE URBAN RENEWAL AGENCY OF BOISE CITY, IDAHO, APPROVING THE RANKING FOR THE AGENCY'S REQUEST FOR QUALIFICATIONS FOR A CONSTRUCTION MANAGER/GENERAL CONTRACTOR (CM/GC) FOR THE BANNOCK STREET STREETScape IMPROVEMENTS, 12TH TO 16TH STREETS PROJECT IN ACCORDANCE WITH IDAHO CODE SECTION 67-2320; AUTHORIZING THE AGENCY EXECUTIVE DIRECTOR TO NEGOTIATE THE CM/GC AGREEMENT BASED ON THE RANKING AND TO EXECUTE THE AGREEMENT AND ANY OTHER NECESSARY DOCUMENTS OR AGREEMENTS, SUBJECT TO CERTAIN CONTINGENCIES; AUTHORIZING THE EXPENDITURE OF FUNDS; AND PROVIDING AN EFFECTIVE DATE.

THIS RESOLUTION is made on the date hereinafter set forth by the Urban Renewal Agency of Boise City, Idaho, an independent public body, corporate and politic, authorized under the authority of the Idaho Urban Renewal Law of 1965, as amended, Chapter 20, Title 50, Idaho Code, and the Local Economic Development Act, as amended and supplemented, Chapter 29, Title 50, Idaho Code (collectively the "Act"), as a duly created and functioning urban renewal agency for Boise City, Idaho (hereinafter referred to as the "Agency").

WHEREAS, the City Council of the City of Boise City, Idaho (the "City"), after notice duly published, conducted a public hearing on the Westside Downtown Urban Renewal Plan (the "Westside Plan"), and following said public hearing, the City adopted its Ordinance No. 6108 on December 4, 2001, approving the Westside Plan and making certain findings; and,

WHEREAS, the City, after notice duly published, conducted a public hearing on the First Amendment to the Urban Renewal Plan Westside Downtown Urban Renewal Project ("First Amendment to the Westside Plan"); and,

WHEREAS, following said public hearing, the City adopted its Ordinance 45-20 on December 1, 2020, annexing two (2) geographical areas adjacent and contiguous to the northern boundary of the Westside Project Area into the existing revenue allocation area and making certain findings; and,

WHEREAS, in cooperation with the City of Boise and the Ada County Highway District, the Agency seeks to make certain transformative improvements and enhancements to certain portions of Bannock Street between 12th and 16th Streets, including: construction of streetscape improvements, pavement reconstruction, added traffic signals at the intersections of 15th and 16th streets, stormwater modifications, and replacement of a canal structure, all in an effort to contribute as a catalyst to economic development and downtown reinvestment by private entities; and,

WHEREAS, due to the extensive program of improvements associated with the Project, the complexities inherent to streetscape construction in a downtown environment, the level of pedestrian, bicycle and vehicle traffic in the area, and the proximity to Meadow Gold Dairy, Fire

Station 5, and St. Paul Baptist Church, the Agency determined that the best approach for construction of the improvements is to hire a Construction Manager/General Contractor (“CM/GC”); and,

WHEREAS, Idaho Code § 54-4511 allows for public agency utilization of CM/GC services upon selection of the CM/GC in accordance with Idaho Code § 67-2320; and,

WHEREAS, the Agency issued a Request for Qualifications (“RFQ”) inviting properly licensed CM/GC firms interested in managing the construction of the Project to submit Statements of Qualifications (“SOQ”), in accordance with the criteria and procedures set forth in the RFQ; and,

WHEREAS, the Agency published the requisite public notice of the RFQ in the *Idaho Statesman* newspaper on February 28 and March 6, 2024; and,

WHEREAS, the SOQ submissions were due to the Agency on April 11, 2024, by 3:00 pm, and the Agency received three (3) SOQs from the following firms: Andersen Construction of Idaho LLC; McAlvain Construction, Inc.; and Wright Brothers, The Building Company, Eagle LLC; and,

WHEREAS, the Agency examined the three (3) SOQs and, based on the information provided, found that each firm gave sufficient information regarding the pre-qualification criteria stated in the RFQ and that each firm held the requisite Construction Manager License and correct Public Works License, and,

WHEREAS, the SOQs were evaluated for compliance with the technical requirements as prescribed in the RFQ and were scored and ranked on the bases of qualifications and demonstrated competence by a four-person panel; and,

WHEREAS, following the evaluation of the SOQs, the Agency ranked the SOQs as follows:

1. McAlvain Construction, Inc.
2. Andersen Construction of Idaho LLC
3. Wright Brothers, The Building Company, Eagle LLC; and,

WHEREAS, the panel’s unanimous scoring showed that McAlvain Construction, Inc. was the best qualified and highest ranked proposer because:

- McAlvain Construction, Inc. exhibits a well-orchestrated team approach built on a depth of CM/GC experience;
- McAlvain Construction, Inc.’s work with the Agency on projects, including the Grove Plaza Renovation and Rebuild 11th Street Blocks, is commendable;
- McAlvain Construction, Inc. exhibits a solid pre-construction strategy and sophisticated project tracking processes;
- McAlvain Construction, Inc.’s effective construction management approach, coupled with its depth of resources, influence within the local subcontracting community, and recent experience reconstructing three similar sections of the Boise City Canal, offers the Agency schedule and budget certainty in today’s construction market;

- McAlvain Construction, Inc.'s can-do attitude is bolstered by strong communication methods; and,
- McAlvain Construction, Inc. offers a highly qualified team backed by an experienced, local construction company that is dedicated to giving the Project the company's full attention.

WHEREAS, for these reasons, Agency is recommending that the Agency Board approve the SOQ ranking for the Project in accordance with Idaho Code § 67-2320(2); and,

WHEREAS, the Agency Board of Commissioners finds it in the best public interest to approve the ranking for its RFQ – CM/GC Bannock Street Streetscape Improvements, 12th to 16th Streets Project and to authorize the Agency Executive Director to negotiate and execute a Construction Manager/General Contractor Agreement in accordance with that ranking and the requirements set forth in Idaho Code § 67-2320.

NOW, THEREFORE, BE IT RESOLVED BY THE MEMBERS OF THE BOARD OF COMMISSIONERS OF THE URBAN RENEWAL AGENCY OF BOISE CITY, IDAHO, AS FOLLOWS:

Section 1: That the above statements are true and correct.

Section 2: That the Agency Board affirms the following ranking for the RFQ – CM/GC Bannock Street Streetscape Improvements, 12th to 16th Streets Project:

1. McAlvain Construction, Inc.
2. Andersen Construction of Idaho LLC
3. Wright Brothers, The Building Company, Eagle LLC

Section 3: That the Agency Board authorizes the Agency Executive Director to negotiate a Construction Manager/General Contractor Agreement with the top-ranked proposer, McAlvain Construction, Inc., for the Bannock Street Streetscape Improvements, 12th to 16th Streets Project, and in the event an agreement cannot be reached, that the Agency Executive Director is authorized to negotiate the agreement with the next ranked proposer, and so forth, in accordance with Idaho Code § 67-2320.

Section 4: That the Board authorizes the Agency Executive Director, upon successful negotiations, to finalize, sign, and enter into the Construction Manager/General Contractor Agreement consistent with the Board's stated instructions at the May 13, 2024, Agency Board Meeting; and further, authorizes the Agency Executive Director to execute all necessary documents required to implement the actions contemplated by the Agreement, subject to representations by Agency legal counsel that all necessary conditions have occurred; and further, the Agency Executive Director is authorized to perform any and all other duties required pursuant to the Construction Manager/General Contractor Agreement, including the expenditure of funds.

Section 5: That this Resolution shall be in full force and effect immediately upon its adoption and approval.

PASSED AND ADOPTED by the Urban Renewal Agency of Boise City, Idaho, on May 13, 2024. Signed by the Chair of the Agency Board of Commissioners and attested by the Secretary to the Agency Board of Commissioners on May 13, 2024.

URBAN RENEWAL AGENCY OF BOISE CITY

By: DocuSigned by:
Commissioner Latonia Haney Keith
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Latonia Haney Keith, Chair

ATTEST:

By: DocuSigned by:
Commissioner Lauren McLean
563B8AC118DA408...
Lauren McLean, Secretary



REQUEST FOR QUALIFICATIONS

CONSTRUCTION MANAGER / GENERAL CONTRACTOR
(CM/GC) SERVICES

**BANNOCK STREET STREETScape IMPROVEMENTS,
12TH TO 16TH STREETS**

PROPOSALS DUE: MARCH 21, 2024 by 3 P.M. local time

February 28, 2024

Dear Proposer:

In accordance with the qualification-based selection process set forth in Idaho Code § 67-2320, Capital City Development Corporation (CCDC) will accept submissions about qualifications to perform Construction Manager / General Contractor (CM/GC) services for its Bannock Street Streetscape Improvements Project between 12th and 16th Streets. Proposers must be licensed in Idaho with both construction manager and public works contractor licenses.

CCDC seeks to hire a CM/GC to deliver a complex, interagency public works improvements project located in the Westside Urban Renewal District. This project will incorporate construction of streetscape improvements, pavement rehabilitation, added traffic signals at 15th and 16th streets, stormwater modifications, and replacement of a canal structure. The project will include unique features such as suspended pavement systems, street furnishings, traffic signal infrastructure, pedestrian facility reconstruction, and canal replacement in the public right-of-way.

The project is a partnership between the Ada County Highway District (ACHD) and CCDC, which will be memorialized in an Interagency Cost Share Agreement. Generally, ACHD is responsible for funding all pavement rehabilitation and the replacement of Boise City Canal structure 1489 across Bannock St east of 14th Street. CCDC is responsible for funding all remaining work.

Proposals must be delivered **electronically** prior to **3:00 p.m. local time on March 21, 2024** at this email address: bids@ccdcbiose.com. Proposals will be evaluated on the basis of qualifications as specified in this Request for Qualifications (RFQ). A selection committee will evaluate each of the proposals and may choose to conduct interviews with one or more of the Proposers.

CCDC reserves the right to reject any and all proposals, to waive any irregularities in the proposals received, and to accept the proposal that is in the best interest of CCDC and the public. The issuance of this RFQ and the receipt and evaluation of proposals does not obligate CCDC to award a contract. CCDC will pay no costs incurred by Proposers in responding to this RFQ. CCDC, in its discretion, may cancel this process at any time prior to execution of a contract without liability.

A Pre-Proposal Meeting will be held via ZOOM on March 6, 2024, at 10:00 am. Attendance is strongly recommended but not required. Information about the Pre-Proposal Meeting is provided in Section 4.1 of this document.

CCDC appreciates your interest in meeting the needs of the agency and the citizens of Boise.



Kathy Wanner
Contracts Manager



121 N 9TH ST, SUITE 501 BOISE, ID 83702
208-384-4264 WWW.CCDCBOISE.COM

INSTRUCTIONS TO PROPOSERS

1.1 Proposal Information

Please follow these instructions for submitting a proposal.

PROPOSAL DEADLINE is 3:00 p.m. local time, March 21, 2024

The proposal must be submitted electronically by email to: bids@ccdcboise.com

Please include this subject line on the email:

**“RFQ SUBMITTAL: CM/GC SERVICES – BANNOCK STREET
STREETSCAPE IMPROVEMENTS, 12TH to 16TH STREETS”**

All required submittal documents must be *signed and dated* and must be submitted by email either in one PDF or a separate PDF of each required document. Late or incomplete submittals will not be accepted; CCDC takes no responsibility for submittals received after the Proposal Deadline or incomplete in any way. Respondent assumes full responsibility for the timely submittal of all proposal documents via the email process.

PROJECT INFORMATION

2.1 Background

In 2023, CCDC began the Bannock Street Streetscape Improvement Project to update streetscapes and improve mobility and safety along Bannock Street between 12th and 16th Streets. The project’s purpose is to create a more active and accessible urban environment for all modes of travel.

The improvements planned for Bannock Street include various elements designed to create consistent and cohesive streetscapes. These enhancements will include upgraded sidewalks, enhanced lighting, increased greenery, and improved intersection safety measures. CCDC is partnering with ACHD to perform pavement rehabilitation along the corridor and replace a canal structure that crosses Bannock Street east of 14th Street.

CCDC hired CSHQA, Inc. as its Design Professional of Record for the project. CSHQA in coordination with HDR, Inc. and Musgrove Engineering, have initiated final design activities for the project. The Project received Design Review approval in September 2023 and 60% design plans were submitted to agencies for review in December 2023. The design team will be working closely with the CM/GC during pre-construction and construction phases.

2.2 Project Budget

CCDC has budgeted approximately \$3.5M for CM/GC Pre-Construction Services and Construction of the CCDC-related costs for streetscape improvements and added traffic signals at 15th and 16th Streets. Consultant design costs and ACHD improvements to be reimbursed by ACHD are not included in the above construction budget.

Budget control is critical to the success of this project. The CM/GC shall provide current market pricing as a basis of its cost estimates during design. Furthermore, the CM/GC will be expected to make the necessary recommendations so that the final construction cost for the work does not exceed CCDC and ACHD's available budgets.

2.3 Contemplated Improvements

The following summarizes the improvements to be delivered by the CM/GC through multiple bid packages. Please see Exhibit C for a depiction of these improvements.

- **Pedestrian Facility Upgrades**
 - Replacement of existing non-compliant facilities with ADA-compliant facilities.
 - Construction of sidewalk bulbouts (i.e. curb extensions) at key locations.
- **Streetscape Improvements**
 - Reconstruction of streetscapes compliant with the City of Boise's Streetscape Standards, including suspended pavement systems.
 - Replacement of irrigation system and street trees.
 - Installation of historic light pole assemblies, bike racks, and precast concrete planters.
 - Urban Concrete Streetscapes: Bannock Street between 12th and 13th Street and the north side of Bannock Street between 13th and 14th Street. Improvements to the west side of 13th Street between Bannock Street and the alley are being included as a potential bid alternate based on project costs. Pre-construction assistance desired to determine feasibility.
 - Neighborhood Streetscapes: Bannock Street between 14th and 16th Streets.
- **Stormwater Infrastructure Improvements**
 - Upgrades to existing stormwater collection and routing system to accommodate other improvements included in this project.
- **Pavement Reconstruction**
 - 2" mill and inlay of asphalt pavement within the project limits
- **Canal Crossing Replacement**
 - Replace the Boise City Canal structure 1489 across Bannock St east of 14th Street
- **Pending Approval: Signalization of 15th and 16th Street Intersections**
 - Add traffic signals at the 15th and 16th Street intersections.

2.3 Project Schedule

CSHQA submitted 60% design plans for agency review in December 2023 and anticipates completing the project design in Summer 2024. The successful CM/GC will be given the 95% design plans in May 2024 in order to develop an initial estimate. Preconstruction is expected to start in April 2024 and continue until the last Guaranteed Maximum Price (GMP) is approved. Construction is expected to start fall 2024 and be complete in 2025. The schedule contemplates that winter construction will be mandatory to meet the project deadline.

2.4 CM/GC Scope of Services

All CM/GC contracted services must be performed by staff properly licensed in the State of Idaho. The following services are anticipated in the CM/GC Services agreement with CCDC. The descriptions are illustrative in nature and not exhaustive. The scope of services will be negotiated after this RFQ selection process has concluded.

Preconstruction Phase for Design, Bidding, and Long Lead Time Procurement Services:

- Work with CCDC staff and the design team to review the project and visit the work areas to become familiar with the project;
- Work cooperatively with other agencies including the City of Boise and ACHD, as well as owners of adjacent properties;
- Review draft design drawings and specifications to identify clarity and constructability issues;
- Provide cost estimate at 95% design milestone, and as otherwise needed;
- Work with CCDC staff and the design team to value engineer the design and reconcile budget overruns as needed;
- Research and coordinate with specialty contractors and vendors on specialized items;
- Work with staff to refine the project schedule and define the logistics plans;
- Procure long-lead time material items such historic light pole assemblies, suspended pavement systems, and other specialty items as required.
- Develop temporary traffic control plans and pedestrian and bicycle detour plans;
- Develop and obtain trade contract scopes and other contract documents;
- Perform utility potholing as needed to aid in early coordination with relevant utility companies and their contractors regarding utility adjustments, upgrades and/or relocations;
- Obtain competitive bids for all the work, materials, and equipment; conduct pre-bid meetings and site tours;
- Work with CCDC staff and the design team to address questions during bidding, issue addendums, and publicly open bids;
- Work with CCDC staff to derive and negotiate project Guaranteed Maximum Price.

Prior to release of the first package for the subcontractor bidding, the CM/GC shall submit a bid package estimate that itemizes all bid packages to be bid and awarded and which includes the CM/GC's estimate of the cost of each bid package. As permitted by CCDC, the bid package estimate will include line items for any work the CM/GC proposes to self-perform. The CM/GC's overhead, profit, and contingencies shall be identified in separate line items. The total of the bid package estimate shall equal the construction cost on the CM/GC's most recent estimate.

Construction Phase Services:

- Obtain project bonding, issue subcontracts and trade contracts, and obtain permits for all the work;
- Serve as the General Contractor and as a licensed Construction Manager, including:
 - Manage the construction process including coordination, planning, trade contractor management, submittals management, and requests for information;
 - Coordinate with CCDC's project manager and design team;
 - Plan and provide general condition services such as superintendence, mobilization, storage areas, staging, etc.;
 - Manage accounting of multiple project scopes and funding sources as requested by CCDC. Accurate accounting of ACHD and CCDC costs will be critical on this project;

- Review and negotiate change order requests, coordinate safety programs, resolve issues and claims;
 - Conduct and coordinate inspections, review and pay subcontractor invoices, update construction schedules;
 - Conduct coordination meetings; and
 - Maintain records, record documents and manuals, develop and monitor punch list, coordinate and assist with warranty corrections.
- Obtain permission from and coordinate access with public and private property owners affected by the construction activity.

2.5 Special Instructions

Throughout the project, the CM/GC shall provide CCDC with professional construction management and contractor services and represent CCDC's interests in completing the project on time, within set budgets, and as planned with minimum difficulties. The Standard Agreement and General Conditions between Owner and Construction Manager (Where the CM is At-Risk) will form the basis of agreement for CM/GC services to be entered into for the project; provided however, CCDC reserves the right to change, modify, or amend the final contract to be entered into by the parties.

GENERAL CONDITIONS

3.1 Intent of RFQ

It is the intent of CCDC to run a Qualification Based Selection process to select a company capable of providing the CM/GC services outlined within this proposal. The CM/GC ranked highest will be approached to negotiate the contract necessary for this project. If a contract cannot be negotiated, CCDC will then approach the next highest ranked company to negotiate the contract. CM/GC is not guaranteed work nor compensation until under contract with CCDC.

3.2 Reserved Rights

CCDC reserves the right to act in the public best interest and in furtherance of the purposes of the Idaho Code Title 50, Chapter 20 (Idaho Urban Renewal Law) and Idaho Code Title 67, Chapter 28 (Purchasing by Political Subdivisions). CCDC reserves the right to waive any formalities or defects as to form, procedure, or content with respect to its Request for Qualifications and any irregularities in the proposals received, to request additional data and information from any and all Proposers, to reject any proposals based on real or apparent conflict of interest, to reject any proposals containing inaccurate or misleading information, and to accept the proposal or proposals that are in the best interest of CCDC and the public. The issuance of this RFQ and the receipt and evaluation of proposals does not obligate CCDC to select a company nor award a contract. CCDC may in its discretion cancel, postpone, or amend this RFQ at any time without liability.

3.3 Public Records

CCDC is a public agency. All documents in its possession are public records subject to inspection and copying under the Idaho Public Records Act, Chapter 1, Title 74, Idaho Code. The Public Records Act contains certain exemptions – one of which is potentially applicable to part of your response is an exemption for trade secrets. Trade secrets include a formula, pattern, compilation, program, computer program, device, method, technique, or process that derives economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons and is subject to the efforts that are reasonable under the circumstances to maintain its secrecy. Prices quoted in a proposal are not trade secrets.

If any Proposer claims any part of a proposal is exempt from disclosure under the Idaho Public Records Act, the Proposer must: 1.) Indicate by marking the pertinent document “CONFIDENTIAL”; and 2.) Include the specific basis for the position that it be treated as exempt from disclosure. Marking the entire proposal as “Confidential” is not in accordance with Idaho Public Records Act and will not be honored.

CCDC, to the extent allowed by law and in accordance with these Instructions, will honor a nondisclosure designation. By claiming materials to be exempt from disclosure under the Idaho Public Records Act, Proposer expressly agrees to defend, indemnify, and hold CCDC harmless from any claim or suit arising from CCDC’s refusal to disclose such materials pursuant to the Proposer’s designation. Any questions regarding the applicability of the Public Records Act should be addressed to your own legal counsel prior to submission.

3.4 Insurance

Prior to executing any contract for CM/GC services with CCDC or commencing any work under the contract, the CM/GC will be required to provide evidence of the coverages listed below and pay all costs associated with the insurance coverage. Insurance policies or certificates of insurance will name CCDC as the named insured, and the CM/GC will maintain these minimum insurance coverages during the entire term of the contract:

- a. Professional Liability Insurance coverage with minimum coverage of One Million Dollars (\$1,000,000) per occurrence and a minimum aggregate limit of One Million Dollars (\$1,000,000). NOTE: CGL policies do not provide coverage for the type of professional services the CM will be performing during the pre-construction phase of the project, therefore Professional Liability Insurance coverage must be obtained.
- b. Commercial General Liability Insurance coverage with minimum coverage of Two Million Dollars (\$2,000,000) on an occurrence basis (not a claims-made basis).
- c. Comprehensive Automobile Liability coverage with minimum coverage of One Million Dollars (\$1,000,000) per occurrence for owned, non-owned, and hired vehicles.
- d. Excess Liability (Umbrella) with minimum coverage of Two Million Dollars (\$2,000,000) per occurrence.
- e. Worker's Compensation Insurance in an amount as required by statute and Employer's Liability Insurance in an amount not less than One Million Dollars (\$1,000,000) for each occurrence, for all of the company's employees to be engaged in work on the project under contract and, in the case any such work is subcontracted, the CM/GC company will require Subcontractors and trade contractors similarly to provide Worker's Compensation and Employer's Liability Insurance for all the Subcontractors and trade contractors to be engaged in such work.
- f. Cyber Liability Insurance: CM/GC shall maintain throughout the term of this Agreement Cyber liability Insurance, with limits not less than \$1,000,000 per occurrence or claim, \$1,000,000 aggregate. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by CM/GC in this Agreement and shall include, but not be limited to, claims involving security breach, system failure, data recovery, business interruption, cyber extortion, social engineering, infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, and alteration of electronic information. The policy shall provide coverage for breach response costs, regulatory fines and penalties as well as credit monitoring expenses.

3.5 Bonding

As the General Contractor, the CM/GC must have the capability to bond for 100% of the contract price of the project estimated at the time the contract is negotiated and until such time that the entire project bids, the overall GMPs for the work are established, and the bond is delivered to

CCDC. The Proposer shall indicate within their proposal that they certify that they have the bonding capacity to meet the requirements of this RFQ.

The performance and payment bonds shall be AIA Document A312 (2010 or the most recent edition), or a standard surety form certified approved to be the same as the AIA A312 form and shall be executed by a surety or sureties reasonably acceptable to CCDC and authorized to do business in the State of Idaho.

3.6 Taxes

CCDC is exempt from federal and state taxes. Items purchased by CCDC and put into use by a contractor are subject to Idaho Use Tax. All other taxes are the responsibility of the Contractor and are to be included in the Contractor's pricing.

3.7 Legal Residency Requirement

By submitting a proposal, the Proposer attests, under penalty of perjury, that they are a United States citizen or legal permanent resident or that they are otherwise lawfully present in the United States pursuant to federal law. Prior to being issued a contract, the company will be required to submit proof of lawful presence in the United States in accordance with Idaho Code § 67-7903.

3.8 Dual-Capacity License Requirements

Proposals will be accepted from Idaho licensed construction managers and the company of which they are a principal or full-time employee who, prior to the proposal deadline, also have a valid public works contractor license as a general contractor pursuant to Idaho Code § 54-1902. Idaho Code § 54-1902 requires that public works contractors and subcontractors have the appropriate Public Works License for the particular type of construction work involved, and the general contractor must perform at least 20% of the work under contract.

SUBMISSION, EVALUATION, AND SELECTION

4.1 Pre-Proposal Meeting

A Pre-Proposal Meeting will be held on ZOOM on March 6, 2024, at 10:00 am. The design team will be in attendance to explain the project and answer questions. Attendance by Proposers is strongly recommended, but not required.

Join Zoom Meeting

<https://ccdcb Boise.zoom.us/j/81047452689?pwd=w5XdFtZyjrNPclb84CGqKSw2UDfdmZ.1>

Meeting ID: 810 4745 2689

Passcode: 931499

--- One tap mobile

+16694449171, 81047452689#,,,,*931499# US

+16699006833,,81047452689#,,,,*931499# US (San Jose)

4.2 Required Submission Materials and Format

Proposals shall be prepared simply and economically, providing a straightforward, concise description of the Proposer's capabilities to satisfy the requirements of the RFQ and the scope of services outlined in Section 2.4.

Proposers must submit a PDF of the following completed forms via email by the due date and time:

- RFQ Submittal Cover Sheet (attached to this RFQ as Exhibit A)
- RFQ Waiver and Release (attached to this RFQ as Exhibit B)
- Signed Cover Letter
- ONE (1) signed proposal

Failure to submit all requested information may render any proposal unresponsive and void.

4.3 Addenda

In the event it becomes necessary to revise any part of this RFQ, addenda will be issued. Information given to one Proposer will be available to all other Proposers if such information is necessary for purposes of submitting a proposal or if failure to give such information would be prejudicial to uninformed Proposers. It is the Proposer's responsibility to check for addenda prior to submitting a proposal. Failure to do so may result in the proposal being declared non-responsive. No addenda will be issued fewer than four (4) business days before the proposal deadline unless the deadline is extended. Proposer shall indicate within their cover letter the addenda number(s) which they have incorporated into their proposal.

4.4 Scoring

Proposals must include the following information in the sequence set forth below. This format is meant to allow uniform review and easy access to information by the evaluation committee. For each of the specific articles listed below, Proposers should include a complete description of qualifications to serve as a CM/GC. Proposers are invited to include information about innovative methods and/or procedures that they can provide to assist in ensuring successful completion of

this project; unique qualities and/or capabilities and cost efficiencies should be identified. Proposers acknowledge they will be ranked according to each article below, with points applied per article (100 points total):

RFQ Submittal Cover Sheet (Exhibit A) 0 Points

RFQ Waiver and Release (Exhibit B) 0 Points

Signed Cover Letter (Limit 1 page) 5 Points

Provide a signed cover letter with introductory information, such as point of contact, address, phone number and email address. This letter should reference the RFQ by name, provide a concise summary of the Proposer's organization by firm and responsibility, identify the key individual who will be the Project Manager for this project and his/her relevant experience, and generally introduce CCDC to the capabilities of the firm.

Detailed Proposal (Limit 20 pages) – organized with the following information:

a. Company Profile: 15 Points

Describe the company's history, size, resources, philosophy of service, typical volume of work, and construction management techniques and methods. Describe how your expertise, experience, techniques, and culture can be advantageous to CCDC in completing the project. Include current firm commitments and confirm that Proposer can meet CCDC's insurance and bonding requirements as stated in Sections 3.4 and 3.5. Explicitly identify all work the Proposer intends to self-perform.

b. Proposed CM/GC Project Team Staff: 20 Points

A dynamic, well organized, and experienced team is needed for this project. Key personnel proposed shall be expected to reside in the Boise region for the duration of the project. Identify the personnel to whom construction management responsibility will be assigned by names, titles, roles, qualifications, years of experience, relevant project experience, resumes, and describe why the specific personnel were selected for inclusion on the team. Some individuals may fulfill multiple positions on the project, but the Proposer should demonstrate how multiple assignments are within the capacity of the management team. Include personnel information for both pre-construction and construction services. Resumes and Idaho Public Works Construction Manager License information shall be included in an appendix for all key personnel listed on the organizational chart. Resumes and license information are not counted within page limits noted above.

Provide an organizational chart for the project. The organizational chart shall identify position titles, and for key personnel only, the names of the people proposed to fulfill these roles, along with the proposed percentage of time that each of the key personnel will be dedicated to the project. The organizational chart shall also indicate reporting and chain of command structure for the team and interfaces with CCDC and the design team.

c. Relevant Experience and Past Performance: 20 Points

Describe five (5) projects similar in scope, complexity, and budget to this project that the company has completed within the last 10 years. Projects including traffic signal work, asphalt pavement reconstruction, sidewalk and bulb out construction, green stormwater infrastructure, suspended pavement systems, utility infrastructure upgrades, canal improvements, and downtown streetscape improvements are of particular interest.

Projects that highlight experience working within or across multiple agency jurisdictions and work within urban areas with complex construction phasing within the public right-of-way should be highlighted. Please focus on company experience. Do not include individual experience for projects performed while individuals were employed by other companies.

Provide the following key information for each noted project:

- Brief description of the project, highlighting scope, budget, complexity, context, key interfaces, and project delivery method similarities.
- Client reference and current contact information including name, title, phone number, and role on the project.
- Location of the project and completion date.
- The company's responsibilities on the project, and where applicable, identify proposed team staff that participated in the project and their specific role.
- Amount of Proposer's initial contract award and final contract closeout or projected price. Proposer's portion of contract, scope of Proposer's portion, and value of Proposer's portion, and identification of whether Proposer was a prime or subcontractor on the project.
- Number of claims greater than \$100,000, and the value of each that required mediation, arbitration or litigation to settle and their current disposition.

d. Project Approach, Work Plan, & Schedule: 25 Points

i. Project Approach

Provide a brief narrative describing the Proposer's approach to this work and project management control systems that will be used on this project to achieve efficiency, schedule adherence, and budget certainty.

ii. Work Plan, including Schedule

Provide a preliminary baseline schedule showing the Proposer's proposed phasing, sequencing of work, durations, and options to be considered by CCDC that provides value and minimizes adverse impacts to the public and adjacent businesses and property owners. The baseline schedule should assume the current schedule outlined in Section 2.3 as a starting point for planning. Describe how phasing on this specific project can be optimized to ensure successful on-time completion. Include required winter work to achieve the mandatory completion date and ideas to expedite the schedule.

iii. Conduct of Construction

Describe actions and procedures used to minimize adverse impacts to the public and adjacent businesses and property owners. Explain how good relations will be established and maintained and how open and productive communications will be fostered with all interested parties. Specific examples of successful implementation of these actions and procedures from past projects are encouraged.

e. Project Management : 15 Points

i. Preconstruction Services

Outline a specific approach to guide the review of preliminary drawings and specifications and the review of subsequent revisions to final construction

documents. Detail how the review will ensure constructability and how the Proposer will successfully propose changes to the drawings if deemed necessary.

ii. Budget Control/Value Engineering

Submit detailed information of how your company provides and periodically updates cost estimates and participates in Value Engineering (VE). Describe how opportunities will be identified that will make the project a better value. Include the means and methods that will be used and, specifically, how key personnel will interact with stakeholders and the design team to introduce VE proposals and work through updates to cost estimates. Describe past projects where VE has been an integral part of the relationship with the owner, including VE processes that were not successful and VE means and methods successfully used on past projects.

Describe how your company tracks and reports construction costs, including line item costs for each bid package, fees, permits, reimbursable costs, CM fees, and all other project costs. Finally, describe how your company would administratively manage, track, and invoice for the various separate cost categories that comprise the Guaranteed Maximum Price especially given multiple funding sources, including from separate agencies (CCDC and ACHD).

iii. Scheduling

Describe the primary scheduling techniques the company uses and the software you will employ to produce an effective construction schedule. Provide examples of successful construction management and scheduling services provided on projects of similar complexity. Discuss in detail how you intend to enforce contract schedule compliance.

Describe methods used to coordinate with third party contractors for utility relocations/adjustments to existing utilities to ensure timely execution of utility work ahead of or in concert with other project work.

Describe your approach to construction to minimize disruption in the greater downtown area. Describe what work strategies you will employ and examples of past successes working with adjacent property owners.

Outline your company's understanding of the local construction market as it relates to this project and how your company will ensure the proposed staff will be available at the proper times to complete this project on schedule. Include explanations of your existing and upcoming projects within the area, subcontractor availability, and approaches to reach-out/solicit to subcontractors.

4.5 Evaluation of Proposer

Proposals will be evaluated based on the Proposer's response and qualifications by a selection committee that may include CCDC employees, partner agency staff and/or consultants. Before a CM/GC is selected, CCDC will conduct reference investigations and may conduct interviews to evaluate the Proposer's ability to perform the size and type of work anticipated and to determine the quality of the service being offered. By submitting a proposal, the Proposer authorizes CCDC to conduct reference investigations as needed and to conduct interviews where the Proposers will be evaluated based on the information described in this RFQ.

4.6 Qualification-Based Selection

Selection will be based on the procurement rules set forth in Idaho Code § 67-2320. Final selection is made by the CCDC Board of Commissioners. CCDC has the right to waive or alter submission requirements or to reject any or all proposals, consistent with Idaho law. It is the Proposer's responsibility to conform to all applicable federal, state, and local statutes or other applicable legal requirements. The information provided herein is intended to assist Proposers in meeting applicable requirements but is not exhaustive, and CCDC will not be responsible for any failure by any Proposer to meet applicable requirements.

4.7 Modification or Withdrawal of Proposal

A proposal may be modified or withdrawn by the Proposer prior to the submission deadline set forth in this RFQ. After the submission deadline, the submitted proposal shall remain in effect for a minimum of 90 days for evaluation and contracting purposes.

4.8 QUESTIONS

Any questions, clarifications or objections must be received no later than 3:00 pm March 13, 2024.

Direct questions to: Kathy Wanner, Contracts Manager
(208) 391-7304 or kwanner@ccdcoise.com

EXHIBITS TO THIS RFQ:

- A: RFQ Submittal Cover Sheet
- B: RFQ Waiver and Release
- C: Bannock Street Streetscape Improvements Project - 60% Design Plans

EXHIBIT A

**RFQ: CM/GC SERVICES – BANNOCK STREET STREETScape IMPROVEMENTS,
12TH TO 16TH STREETS
SUBMITTAL COVER SHEET
(REQUIRED FOR SUBMISSION)**

TO: Capital City Development Corporation
Attn: Kathy Wanner, Contracts Manager
121 N. 9th Street, Suite 501
Boise, Idaho 83702

FROM:

Company Name: _____

Mailing Address: _____

Physical Address: _____

Telephone: _____ Fax: _____

E-mail Address: _____

Company officer responsible to CCDC for CM/GC services contemplated by this RFQ:

SIGNATURE: **X** _____

Print Name and Title: _____

License Information: Idaho Public Works Contractor License # _____

Idaho Public Works Construction Management License # _____

held by _____ (name of licensed CM who will be responsible).

EXHIBIT B

**REQUIRED WAIVER & RELEASE
(REQUIRED FOR SUBMISSION)**

The undersigned has read this waiver and release and fully accepts the Capital City Development Corporation's (CCDC) discretion and non-liability as stipulated herein, and expressly for, but not limited to, CCDC's decision to proceed with a qualification based selection process in response to the Request for Qualifications (RFQ) to select a company to supply CM/GC services to CCDC for the project.

- A. Discretion of CCDC: The Proposer submitting a response to this CM/GC RFQ agrees that CCDC has the right to, unless contrary to applicable state law:
 - a. Modify or suspend any and all aspects of the process seeking proposals and making any decisions concerning the CM/GC services RFQ;
 - b. Obtain further information from any person, entity, or group regarding the Proposer, and to ascertain the depth of Proposer's capability and experience for supplying CM/GC services and in any and all other respects to meet with and consult with any Proposer or any other person, entity, or group;
 - c. Waive any formalities or defects as to form, procedure, or content with respect to CCDC's RFQ to select a CM/GC firm and any response by any Proposer thereto;
 - d. Accept or reject any sealed proposal received in response to the RFQ, including any sealed proposal submitted by the undersigned; or select any one proposal over another in accordance with the selection criteria; and
 - e. Accept or reject all or any part of any materials or statements, including, but not limited to, the nature and type of proposal.

- B. Non-Liability of CCDC:
 - a. The undersigned agrees that CCDC shall have no liability whatsoever of any kind or character, directly or indirectly, by reason of all or any decision made at the discretion of CCDC as identified above.
 - b. The undersigned, including all team members, have carefully and thoroughly reviewed the RFQ and has found it to be complete and free from ambiguities and sufficient for their intended purpose.

Proposer's Signature: **X** _____

Print Name: _____

Print Title: _____

Name of Firm: _____

Date: _____

EXHIBIT B

**REQUIRED WAIVER & RELEASE
(REQUIRED FOR SUBMISSION)**

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 - a. Modify or suspend any and all aspects of the process seeking proposals and making any decisions concerning the CM/GC services RFQ;
 - b. Obtain further information from any person, entity, or group regarding the Proposer, and to ascertain the depth of Proposer's capability and experience for supplying CM/GC services and in any and all other respects to meet with and consult with any Proposer or any other person, entity, or group;
 - c. Waive any formalities or defects as to form, procedure, or content with respect to CCDC's RFQ to select a CM/GC firm and any response by any Proposer thereto;
 - d. Accept or reject any sealed proposal received in response to the RFQ, including any sealed proposal submitted by the undersigned; or select any one proposal over another in accordance with the selection criteria; and
 - e. Accept or reject all or any part of any materials or statements, including, but not limited to, the nature and type of proposal.

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 - a. The undersigned agrees that CCDC shall have no liability whatsoever of any kind or character, directly or indirectly, by reason of all or any decision made at the discretion of CCDC as identified above.
 - b. The undersigned, including all team members, have carefully and thoroughly reviewed the RFQ and has found it to be complete and free from ambiguities and sufficient for their intended purpose.

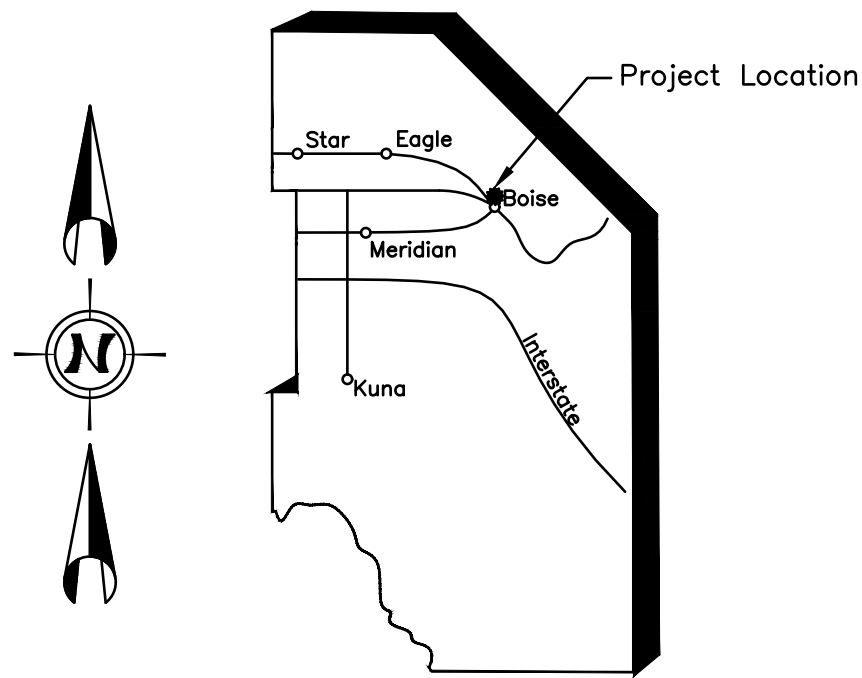
Proposer's Signature: **X** _____

Print Name: _____

Print Title: _____

Name of Firm: _____

Date: _____

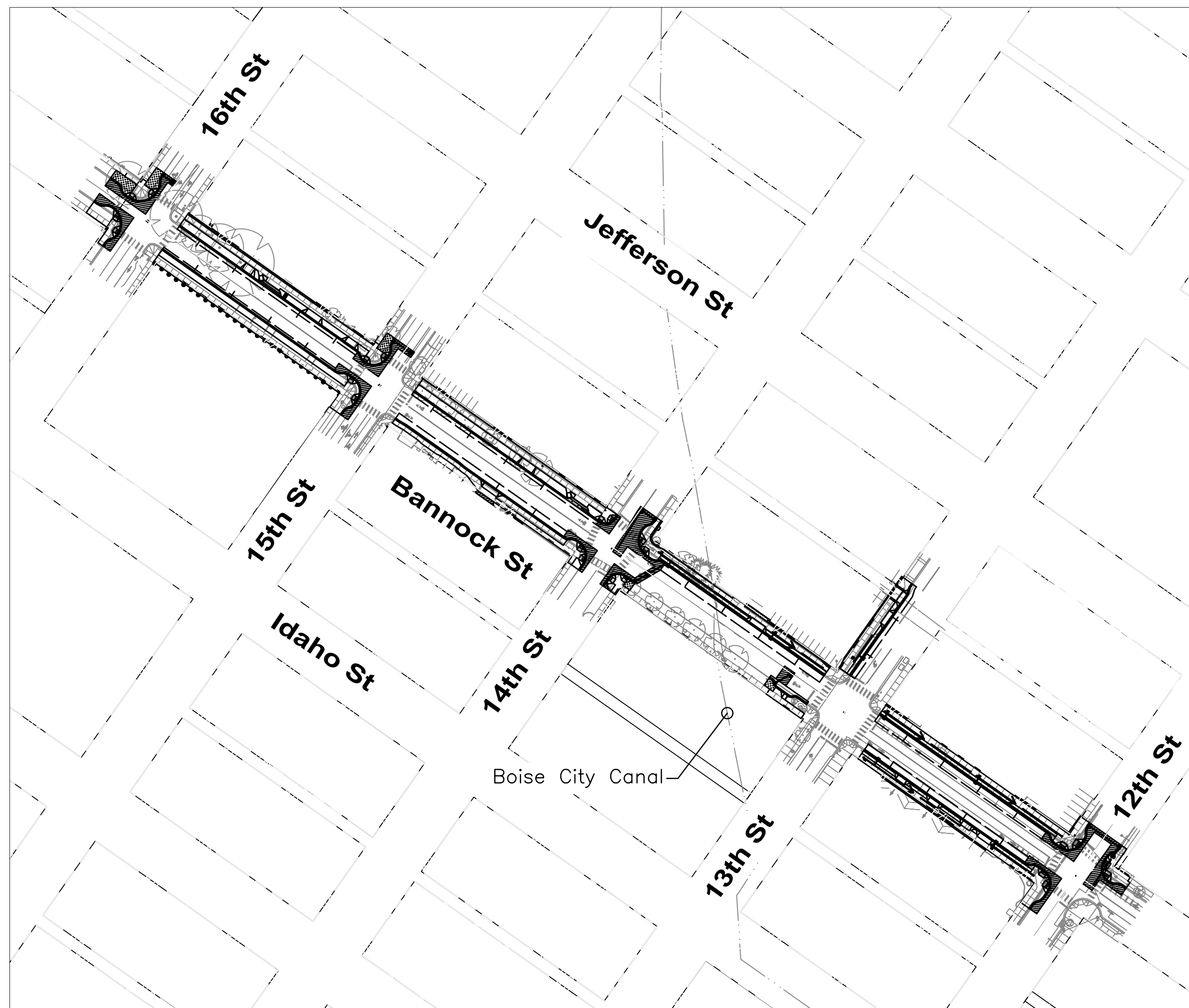


Capital City Development Corp.

Bannock Street - 16th to 12th Streetscape Improvements Project Number: 23056

ADA COUNTY

INDEX OF SHEETS

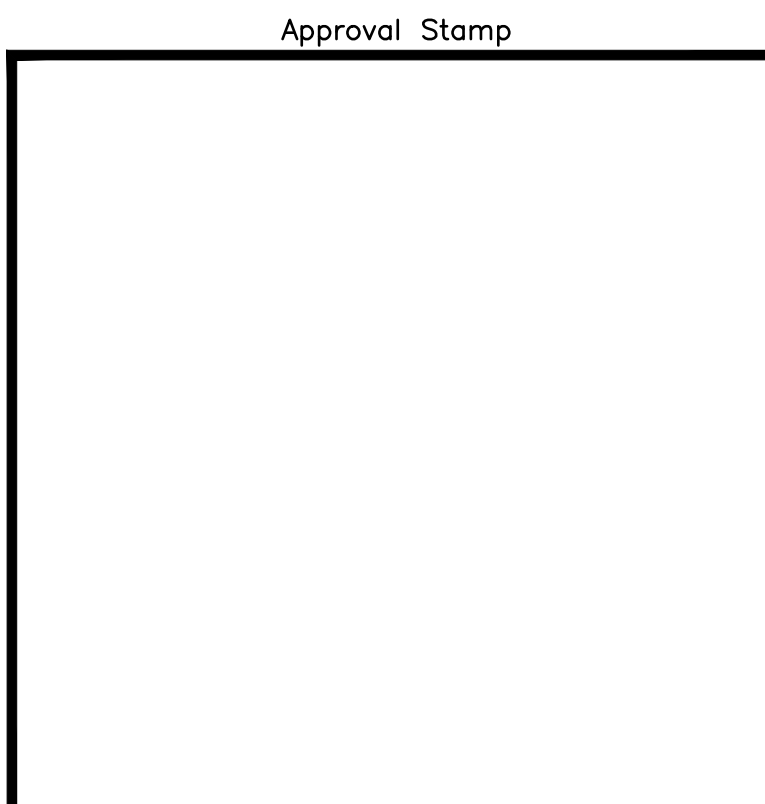


Vicinity Map
N.T.S.

SHEET LIST	
SHEET NUMBER	SHEET NAME
G0.00	TITLE SHEET
C1.00	CIVIL NOTES
C1.01	SURVEY CONTROL PLAN
C2.01	BANNOCK ST TYPICAL SECTIONS STA. 12+85.50 TO 21+01.25
C2.02	BANNOCK ST TYPICAL SECTIONS STA. 21+37.25 TO 28+62.00
C2.03	13TH ST TYPICAL SECTIONS STA. 50+45.00 TO 51+93.00
C2.04	ROADWAY DETAILS
C2.05	ROADWAY DETAILS
C2.06	ROADWAY DETAILS
C2.07	ROADWAY DETAILS
C3.01	BANNOCK ST UTILITY AND REMOVAL PLAN STA. 11+80 TO 16+80
C3.02	BANNOCK ST UTILITY AND REMOVAL PLAN STA. 16+80 TO 21+80
C3.03	BANNOCK ST UTILITY AND REMOVAL PLAN STA. 21+80 TO 26+80
C3.04	BANNOCK ST UTILITY AND REMOVAL PLAN STA. 26+80 TO 31+80
C3.05	13TH STREET UTILITY AND REMOVAL PLAN STA. 50+60 TO 55+60
C4.01	BANNOCK ST PLAN AND PROFILE STA. 11+80 TO 16+80
C4.02	BANNOCK ST PLAN AND PROFILE STA. 16+80 TO 21+80
C4.03	BANNOCK ST PLAN AND PROFILE STA. 21+80 TO 26+80
C4.04	BANNOCK ST PLAN AND PROFILE STA. 26+80 TO 31+80
C4.05	13TH ST PLAN AND PROFILE STA. 50+60 TO 55+60
C5.01	INTERSECTION GRADING PLAN 16TH
C5.02	INTERSECTION GRADING PLAN 15TH
C5.03	INTERSECTION GRADING PLAN 14TH
C5.04	INTERSECTION GRADING PLAN 12TH
C5.05	DRIVEWAY DETAILS
C5.06	DRIVEWAY DETAILS
C5.07	DRIVEWAY DETAILS
C5.08	DRIVEWAY DETAILS
C6.01	BANNOCK ST STORM WATER PLAN STA. 11+80 TO 16+80
C6.02	BANNOCK ST STORM WATER PLAN STA. 16+80 TO 21+80
C6.03	BANNOCK ST STORM WATER PLAN STA. 21+80 TO 26+80
C6.04	BANNOCK ST STORM WATER PLAN STA. 26+80 TO 31+80
C6.05	13TH ST STORM WATER PLAN STA. 50+60 TO 55+60
C6.06	STORMWATER DETAILS
C6.07	STORMWATER DETAILS

Gray Items Will Be Included In The 95% Deliverable.

SHEET LIST	
SHEET NUMBER	SHEET NAME
C7.01	EROSION AND SEDIMENT CONTROL PLAN
C7.02	EROSION AND SEDIMENT CONTROL PLAN
C7.03	EROSION AND SEDIMENT CONTROL PLAN
C7.04	EROSION AND SEDIMENT CONTROL PLAN
T1.01	BANNOCK ST SIGNAGE AND STRIPING PLAN STA. 11+80 TO 16+80
T1.02	BANNOCK ST SIGNAGE AND STRIPING PLAN STA. 16+80 TO 21+80
T1.03	BANNOCK ST SIGNAGE AND STRIPING PLAN STA. 21+80 TO 26+80
T1.04	BANNOCK ST SIGNAGE AND STRIPING PLAN STA. 26+80 TO 31+80
T1.05	13TH ST SIGNAGE AND STRIPING PLAN STA. 50+60 TO 55+60
L1.01	STREET SCAPE PLAN
L1.02	STREET SCAPE PLAN
L1.03	STREET SCAPE PLAN
L1.04	STREET SCAPE PLAN
L1.05	STREET SCAPE PLAN
L2.01	STREET SCAPE NOTES
L2.02	STREET SCAPE DETAILS
EG.01	ELETRICAL COVER SHEET
EG.02	APPROVED EQUIPMENT/DETAILS
EG.03	ELETRICAL SPECIFICATIONS
EG.04	ELETRICAL SPECIFICATIONS/DETAILS
EG.05	ELETRICAL SPECIFICATIONS
EG.06	ELETRICAL SPECIFICATIONS
EG.07	BOISE CITY STANDARD DETAILS
E2.01	ELETRICAL PLAN - 1500 BLOCK
E2.02	ELETRICAL PLAN - 1400 BLOCK
E2.03	ELETRICAL PLAN - 1300 BLOCK
E2.04	ELETRICAL PLAN - 1200 BLOCK



The Engineer of Record certifies that the plans are prepared in substantial conformance with the ACHD Policy and standards in effect at the time of preparation. The Engineer acknowledges that ACHD assumes no liability for errors or deficiencies in the design. All variances from ACHD Policy shall be approved in writing. The following variances, listed by date and short description, were approved for the project: NONE

CSHQ 200 BROAD STREET
BOISE, ID 83702

HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706



Capital City Development Corp

121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdboise.com

Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

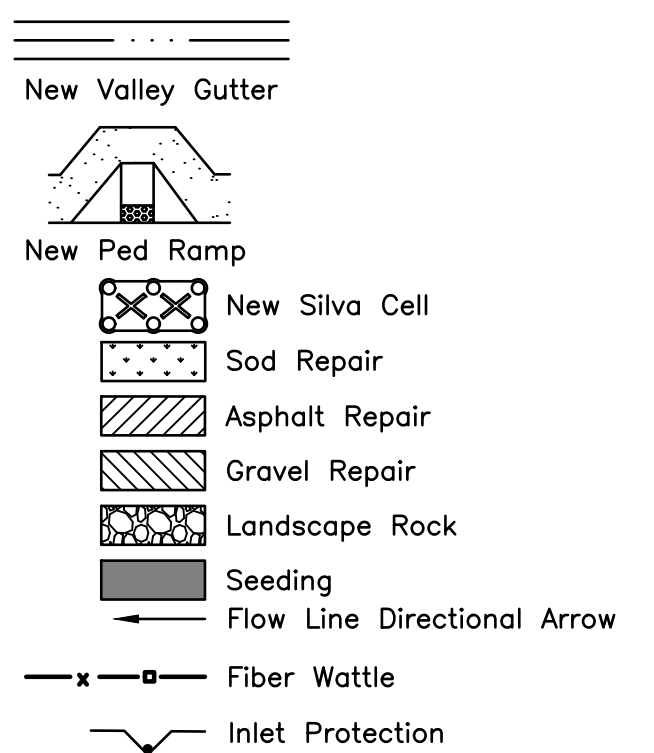
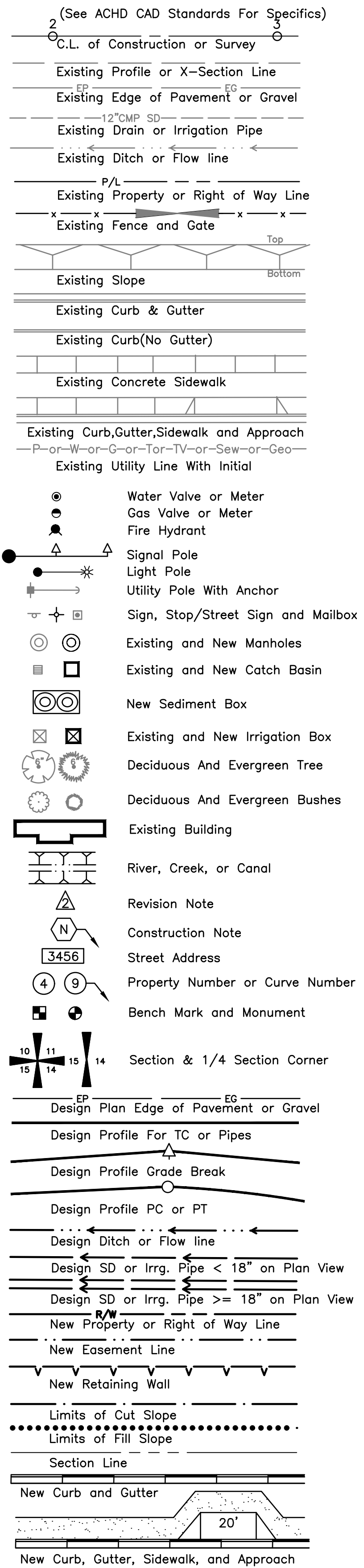
Sheet G0.00

60% COMPLETED

Design By: P. Dewit
Date: 12/23
Drawn By: HDR
Date: 12/23
Surveyed By: Civil Survey
Date: 05/23
Project Name: Bannock Street Streetscape Improvements (12th To 16th)
Project No: 23056
Percent Complete: 60%



LEGEND



UTILITIES

- T** Relocate To New Location And/Or Adjust To Grade To Avoid New Roadway Construction By Lumen
 - W** Relocate To New Location And/Or Adjust To Grade To Avoid New Roadway Construction By Veolia
 - FO** Relocate To New Location And/Or Adjust To Grade To Avoid New Roadway Construction By Boise City Public Works Interconnect
 - P** Relocate To New Location And/Or Adjust To Grade To Avoid New Roadway Construction By Idaho Power
- Utility Adjustments, Relocations, Or Replacements May Or May Not Be Completed Prior To Construction. Coordinate And Accommodate Work With The Utility Companies.
 - Locations Of Existing Underground Structures And Utilities Such As Pipelines, Conduits, Cables, Etc., Shown On The Plans Are Approximate Only. It Is Not The Intent Of These Plans To Show The Exact Location Of All Underground Utilities And Structures. It Is The Responsibility Of The Contractor To Verify The Locations Of All Existing Utilities With The Respective Owners. Existing Utilities Damaged By The Contractor Shall Be Repaired By The Contractor. Call Digline Three Days Prior To Excavation. 1-800-342-1585

GENERAL DEMOLITION NOTES

- Coordinate Demolition Of Street Lighting Facilities, Including Removal Or Abandonment Of Conduit And Abandoned Junction Boxes, With Boise City Public Works. Verify Location And Routing Of Existing Circuits Shown On Electrical Plans Prior To Demolition.
- Relief Cut Within 12" Of Building Face Along Entire Sidewalk Length Prior To Removing Concrete. Sawcut Line Not Shown On Plan.
- Protect Existing Building Faces From Construction Related Damage. Repair Construction Related Damage At Contractor's Expense.
- Protect Building Walls And Entries From Construction Related Dirt, Debris, Wastewater From Cutting Operations, Etc. To The Extent Practical. Clean All Construction Related Dirt, Debris, Discoloration, Etc. From Building And Entries Upon Completion Of Work.
- Dispose Of Soils Excavated For Silva Cell Installation Off-Site.

GENERAL NOTES

- Verify Site Condition And Report Discrepancies To The Engineer Prior To Work.
- All Construction Within Ada County Highway District Right-Of-Way Shall Conform To The 2017 Edition Of The Idaho Standards For Public Works Construction (ISPWC) And The ACHD Supplemental Specifications, Except As Modified By The Project Special Provisions. No Exceptions To District Policy, Standards, And The ISPWC Will Be Allowed Unless Specifically And Previously Approved In Writing By The District.
- Provide And Gain Approval For Traffic Control Plans Within Ada County Highway District Prior To Construction.
- Maximum Sidewalk Cross Slope Is 2%, Except Outside Of Pedestrian Access Routes.
- Notify ACHD Immediately If Vaults Or Building Basements Are Encountered Within The Project Footprint. Coordination Between ACHD Legal Staff, ACHD Development Review, CCDC And Property Owners Is Required.

HDR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

Approval Stamp

**60%
COMPLETED**

Revisions:

Design By: P. Dewit

Date: 12/23

Drawn By: HDR

Date: 12/23

Civil Notes



**Capital City
Development Corp**

121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdcboise.com

Project Number: 23056

**Project Name: Bannock Street - 16th to 12th
Streetscape Improvements**

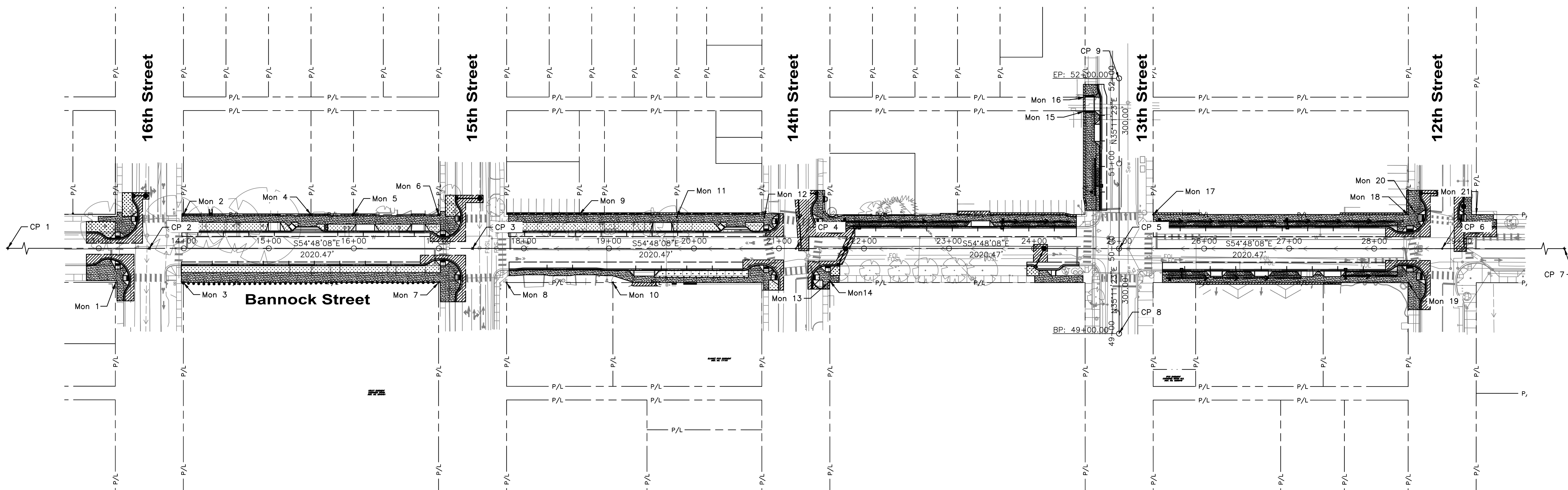
Sheet C1.00

MONUMENTS

Mon 1 (1/2"PIN) 13+19.85, 40.09' Rt. ELEV. 2684.25' N. 2502878.38 E. 713012.28	Mon 4 (AC) 15+49.62, 39.89' Lt. ELEV. 2688.50' N. 2503112.24 E. 712945.20	Mon 7 (5/8"W/CAP) 16+99.66, 40.08' Rt. ELEV. 2689.36' N. 2503188.76 E. 712793.37	Mon 10 (5/8"W/CAP) 19+04.70, 40.12' Rt. ELEV. 2692.49' N. 2503356.33 E. 712675.23	Mon 13 (PK&WASHER) 21+57.89, 40.05' Rt. ELEV. 2694.69' N. 2503563.22 E. 712529.27	Mon 16 (1/2"PIN) 51+77.97, 40.12' Lt. ELEV. 2696.32' N. 2503935.65 E. 712533.37	Mon 19 (Disk) 28+40.04, 40.01 Rt. ELEV. 2698.40' N. 2504120.68 E. 712136.09
Mon 2 (AC) 13+99.72, 39.86' Lt. ELEV. 2687.32' N. 2502989.74 E. 713031.58	Mon 5 (AC) 15+99.58, 39.92' Lt. ELEV. 2688.94' N. 2503153.08 E. 712916.39	Mon 8 (5/8"W/CAP) 17+79.66, 40.05' Rt. ELEV. 2690.20' N. 2503254.14 E. 712747.28	Mon 11 (LP&T) 19+79.76, 36.85' Lt. ELEV. 2693.31' N. 2503461.98 E. 712694.78	Mon 14 (LP&T) 21+59.86, 37.97' Rt. ELEV. 2694.75' N. 2503566.03 E. 712529.83	Mon 17 (1/2"W/CAP) 25+39.80, 39.82' Lt. ELEV. 2696.22' N. 2503921.35 E. 712374.40	Mon 20 (LP&T) 28+47.12, 43.15' Lt. ELEV. 2697.85' N. 2504174.45 E. 712200.05
Mon 3 (5/8"W/CAP) 13+99.62, 40.00' Rt. ELEV. 2684.59' N. 2502943.59 E. 712966.35	Mon 6 (AC) 16+99.71, 39.88' Lt. ELEV. 2690.47' N. 2503234.88 E. 712858.69	Mon 9 (1/2"PIN) 18+65.13, 40.13' Lt. ELEV. 2691.80' N. 2503370.21 E. 712763.55	Mon 12 (LP&T) 20+82.91, 36.80' Lt. ELEV. 2694.76' N. 2503546.25 E. 712635.28	Mon 15 (LEAD PLUG) 51+61.17, 40.67' Lt. ELEV. 2697.94' N. 2503925.39 E. 712520.02	Mon 18 (5/8"W/CAP) 28+40.02, 39.82' Lt. ELEV. 2697.94' N. 2504166.67 E. 712201.36	Mon 21 (1/2"W/CAP) 29+20.00, 39.89' Lt. ELEV. 2698.71' N. 2504232.07 E. 712155.31

NOTES

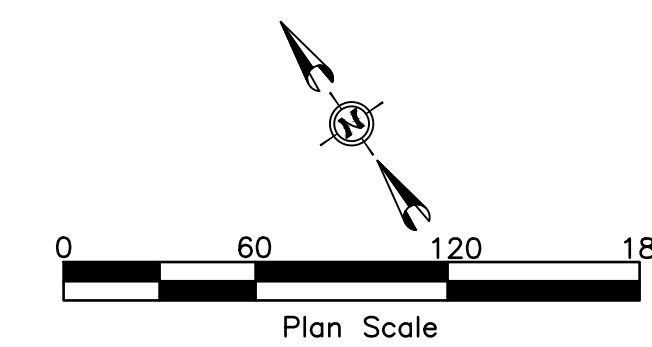
Project Coordinates Are Based On ADA County GIS Basemap Datum, Which Is Based On A 2700 Foot Elevation Modification Of The Idaho West (Zone 1103) NAD83 State Plane Coordinate System. The Vertical Datum Is NAVD88.
 Projection Details Are:
 False Northing = 0.000 sft
 False Easting = 2625138.996 sft
 Latitude Of Origin = 41d40'00.000" N
 Central Meridian = 115d45'00.000" W
 Scale Factor = 1.0001132793



Control Points

CP 1 (AC) 9+79.53 ELEV. 2683.38' N. 2502623.39 E. 713241.21	CP 3 (BC) 17+39.69, 0.09' Rt. ELEV. 2690.22' N. 2503244.51 E. 712802.98	CP 5 (5/8"W/CAP) 25+00.00 Bannock Street = 50+00.00 13th Street ELEV. 2696.76 N. 2503865.86 E. 712364.81	CP 6 (5/8"W/CAP) 28+80.05 ELEV. 2698.29' N. 2504176.43 E. 712145.73	CP 8 Calc. 49+00.00 N. 2503808.24 E. 712283.08
CP 2 (AC) 13+59.58, 0.08' Rt. ELEV. 2685.03' N. 2502933.93 E. 713022.10	CP 4 (5/8"W/CAP) 21+19.80, 0.16' Rt. ELEV. 2695.02' N. 2503555.09 E. 712583.83	CP 7 Calc. 30+00.00 N. 712076.6 E. 2504274.45	CP 9 Calc. 52+00.00 N. 2503981.12 E. 712528.25	

BENCHMARKS



HDR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

Approval Stamp

60% COMPLETED

Revisions:

• S I G N A T U R E S •			
Design By: P. Dewit	Date: 12/23	Drawn By: HDR	Date: 12/23

• D E T A I L T I T L E •
Survey Control Plan



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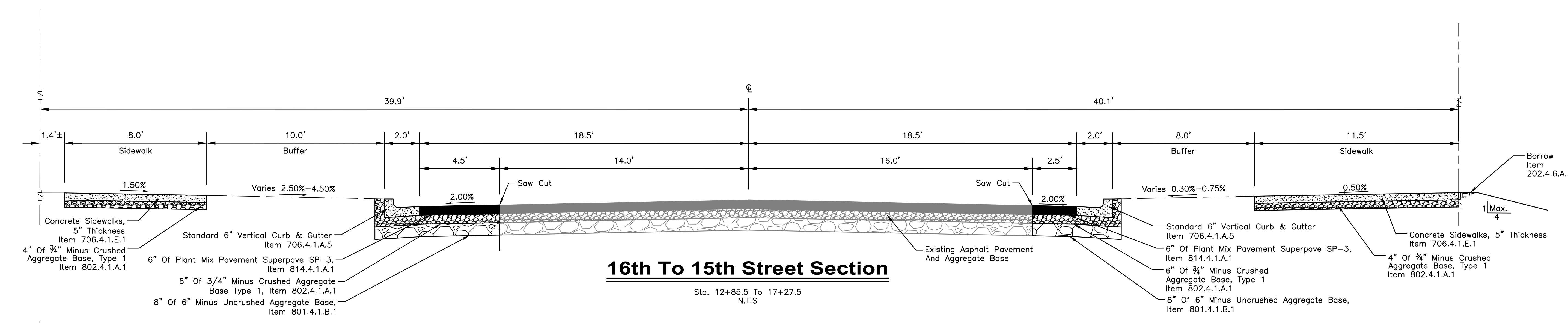
Project Number: 23056

Project Name: **Bannock Street - 16th to 12th Streetscape Improvements**

Sheet C1.01

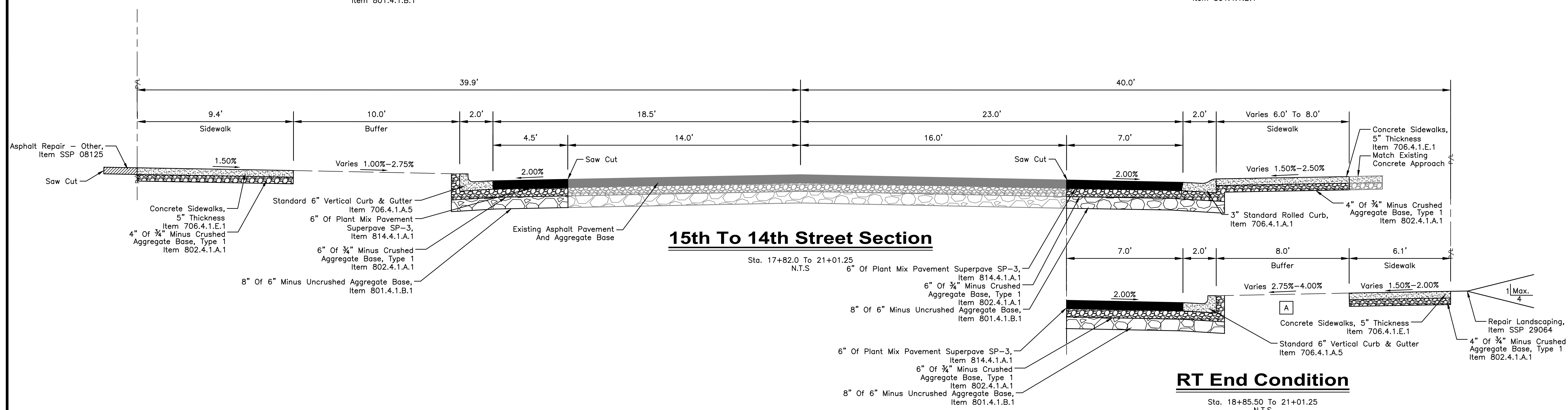
GENERAL NOTES

A Buffer Width Varies Between Stations 19+04.50 To 19+53.50. See Plans



16th To 15th Street Section

Sta. 12+85.5 To 17+27.5
N.T.S

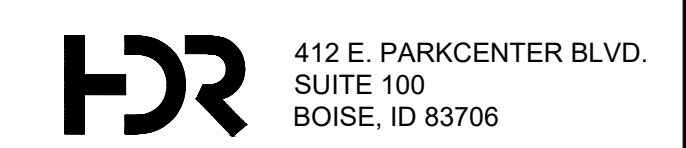


15th To 14th Street Section

Sta. 17+82.0 To 21+01.25
N.T.S

RT End Condition

Sta. 18+85.50 To 21+01.25
N.T.S

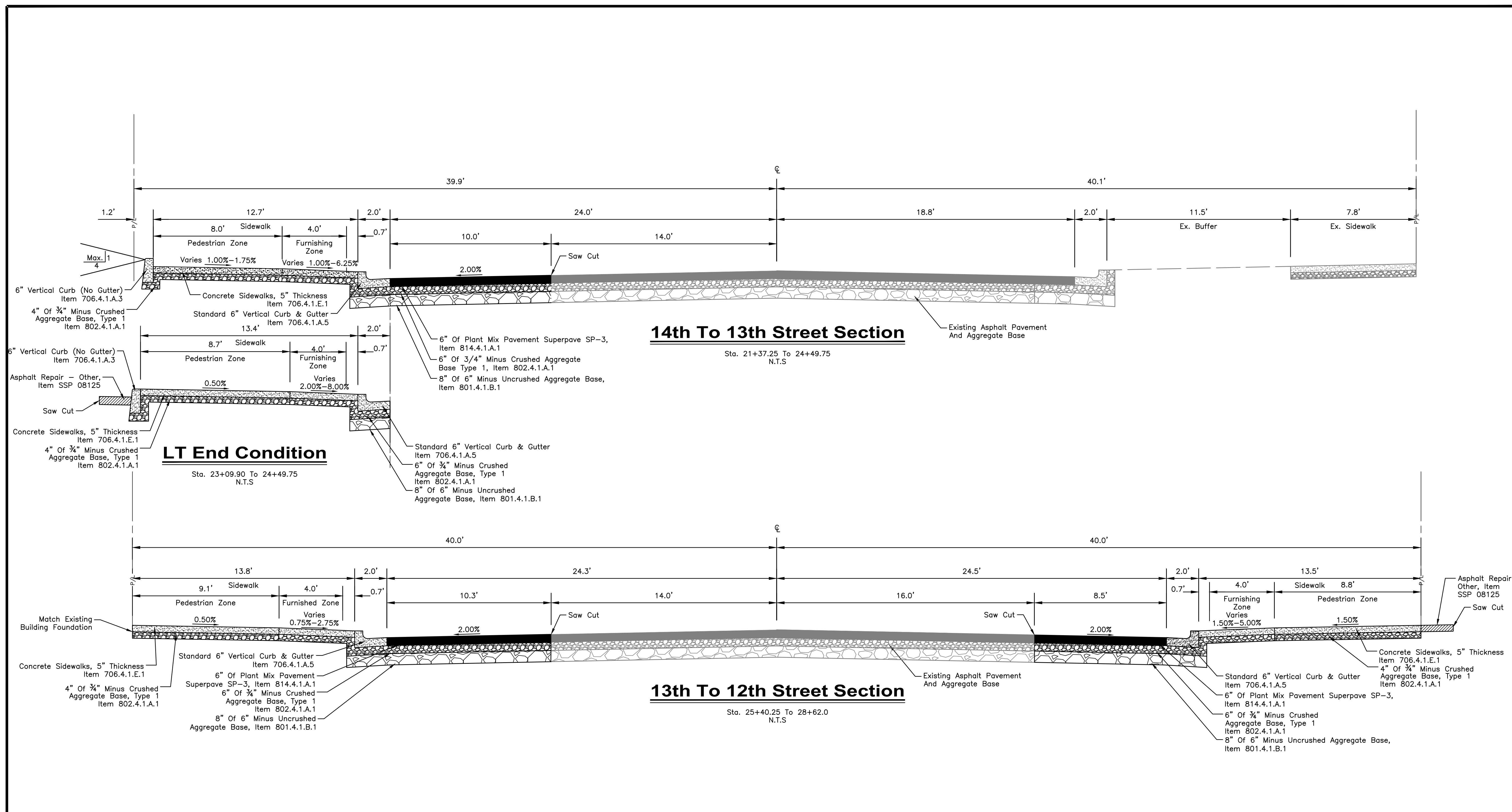


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• D E T A I L T I T L E •
Bannock St Typical Sections

• S I G N A T U R E S •
Design By: P. Dewit Date: 12/23 Drawn By: HDR Date: 12/23

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14th To 13th Street Section

Sta. 21+37.25 To 24+49.75
N.T.S.

LT End Condition

Sta. 23+09.90 To 24+49.75
N.T.S.

13th To 12th Street Section

Sta. 25+40.25 To 28+62.0
N.T.S.

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SUITE 100
BOISE, ID 83706

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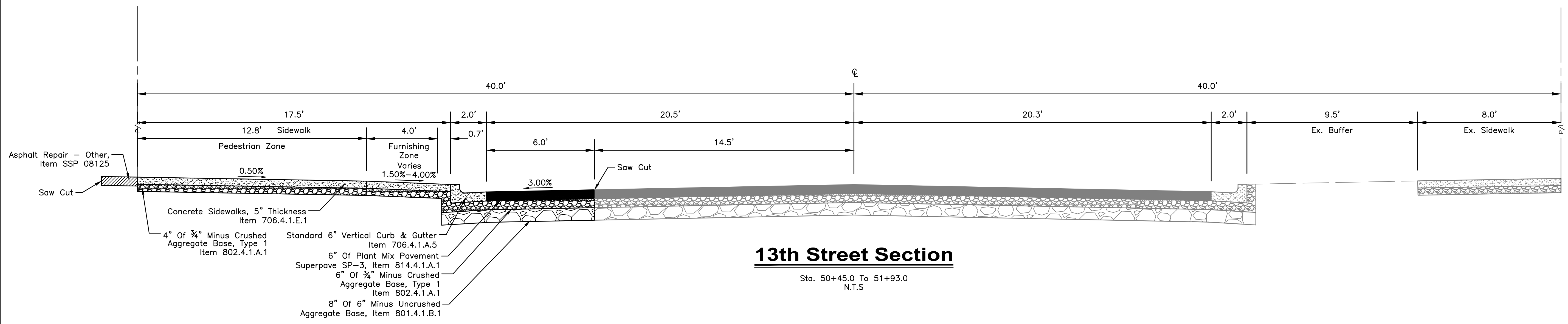
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Revisions:	
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• S I G N A T U R E S •			
Design By: P. Dewit	Date: 12/23	Drawn By: HDR	Date: 12/23

• D E T A I L T I T L E •

Bannock St Typical Sections



13th Street Section

Sta. 50+45.0 To 51+93.0
N.T.S

HDR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

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• S I G N A T U R E S •			
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• D E T A I L T I T L E •
13th St Typical Sections



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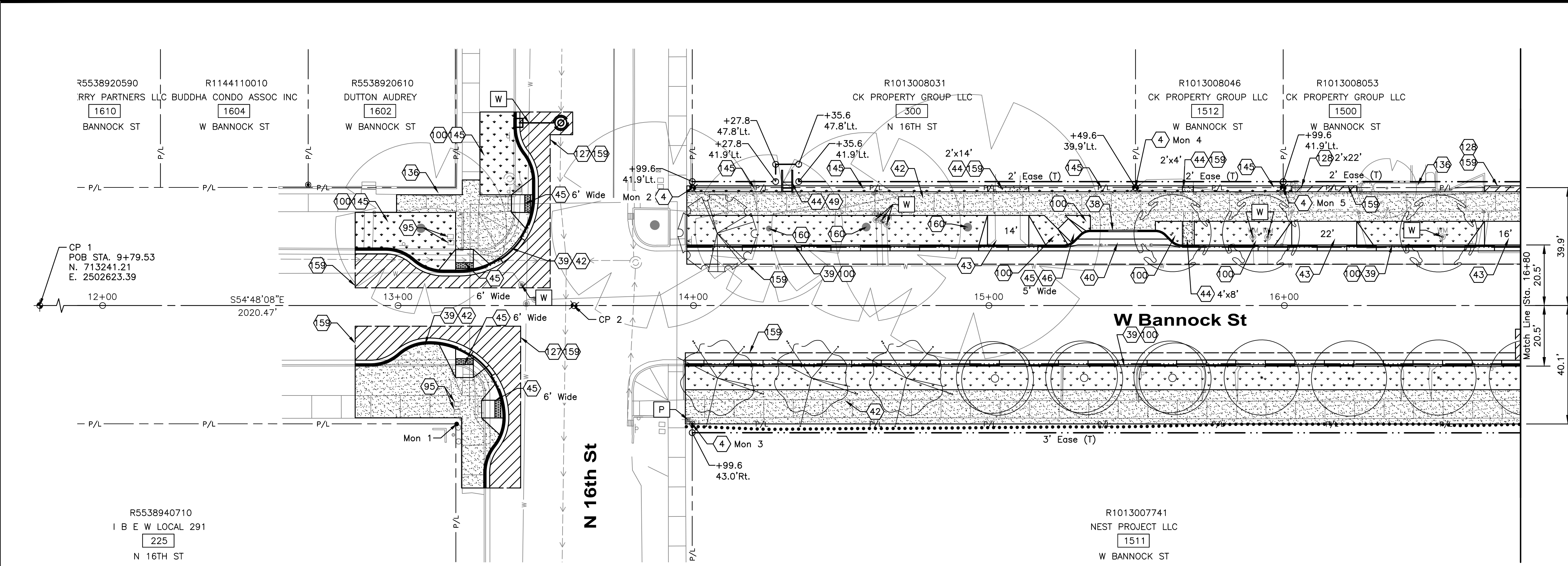
Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

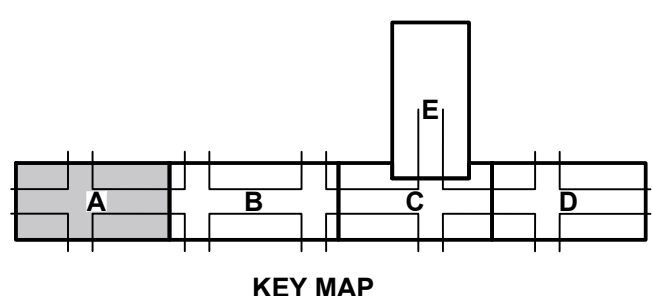
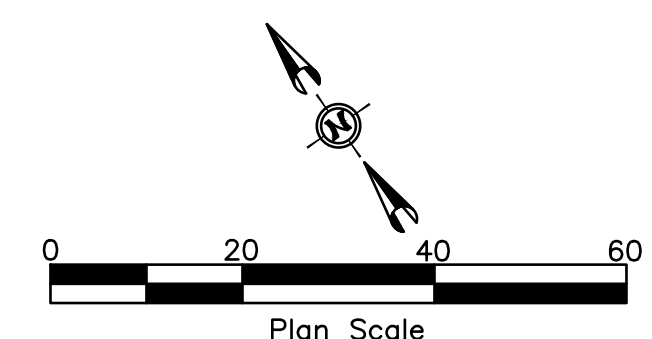
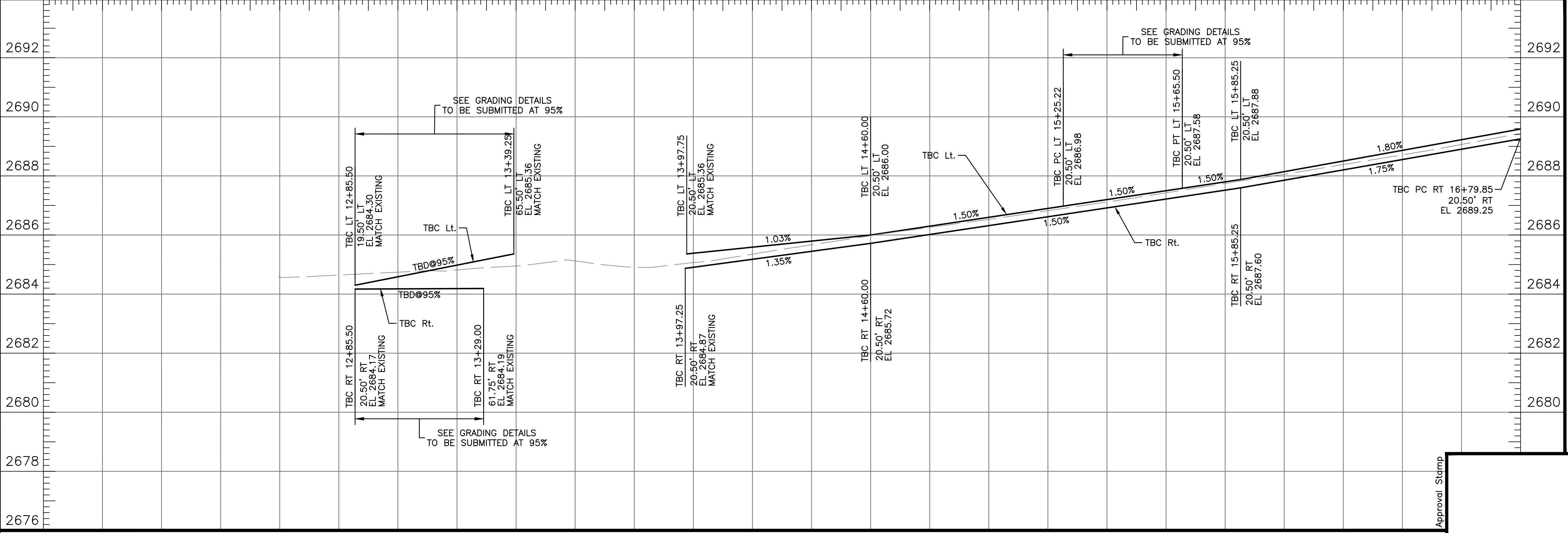
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NOTES

- 4 Reference And Reset Monument, Item 2020.4.1.F.1
- 38 6" Vertical Curb (No Gutter), Item 706.4.1.A.3
- 39 Standard 6" Vertical Curb & Gutter, Item 706.4.1.A.5
- 40 Concrete Valley Gutters, Item 706.4.1.B.1
- 42 Concrete Sidewalks, Thickness 5", Item 706.4.1.E.1
- 43 Concrete Driveway Approach, Item 706.4.1.F.1
- 44 Concrete Repair, Item 706.4.1.G.1
- 45 Ped. Ramp w/Detectable Warning Domes, Type A, Item 706.4.1.H.1.A
- 46 Omit Truncated Domes From Ramp
- 49 Concrete Steps, Item 706.4.1.D.1
- 95 Miscellaneous Utility, Adjust To Grade, Item 2030.4.1.D.1
- 100 See Streetscape Plans For Details
- 27 Asphalt Repair - Arterial And Collector, Item SSP 08120
- 28 Asphalt Repair - Other, Item SSP 08125
- 36 Repair Landscaping, Item SSP 29067B
- 45 Sod Repair, Item SSP 29064
- 59 Sawcut Neat Line. Match Existing, See Standard Drawings ISPWC SD-806, Incidental to Project
- 60 Retain And Protect



11+80 12+00 13+00 14+00 15+00 16+00 16+80



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SUITE 100
BOISE, ID 83706

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Revisions: Design By: P. Dewit Date: 12/23 Drawn By: HDR Date: 12/23 Survey By: Civil Survey Date: 05/23



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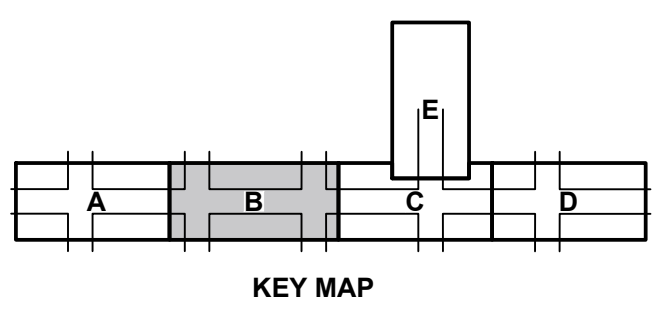
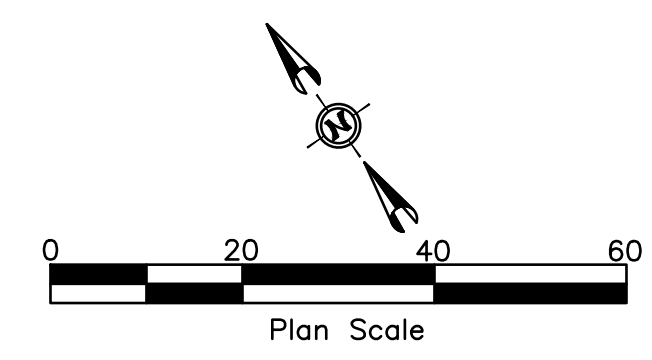
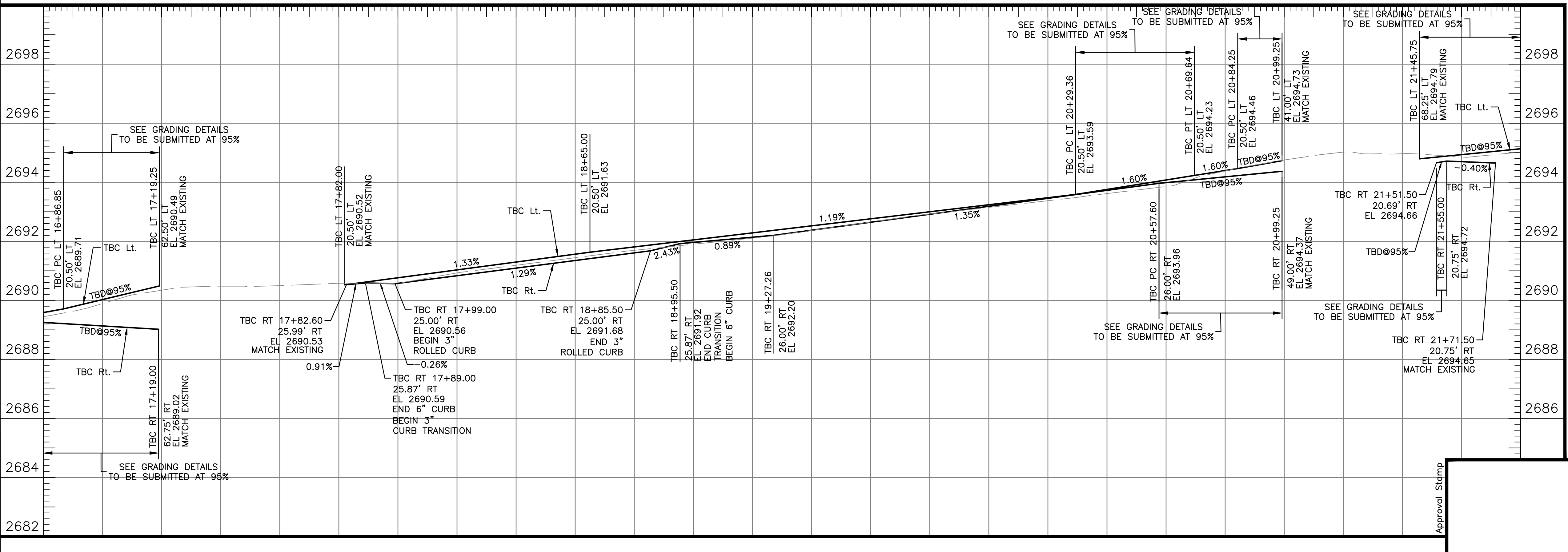
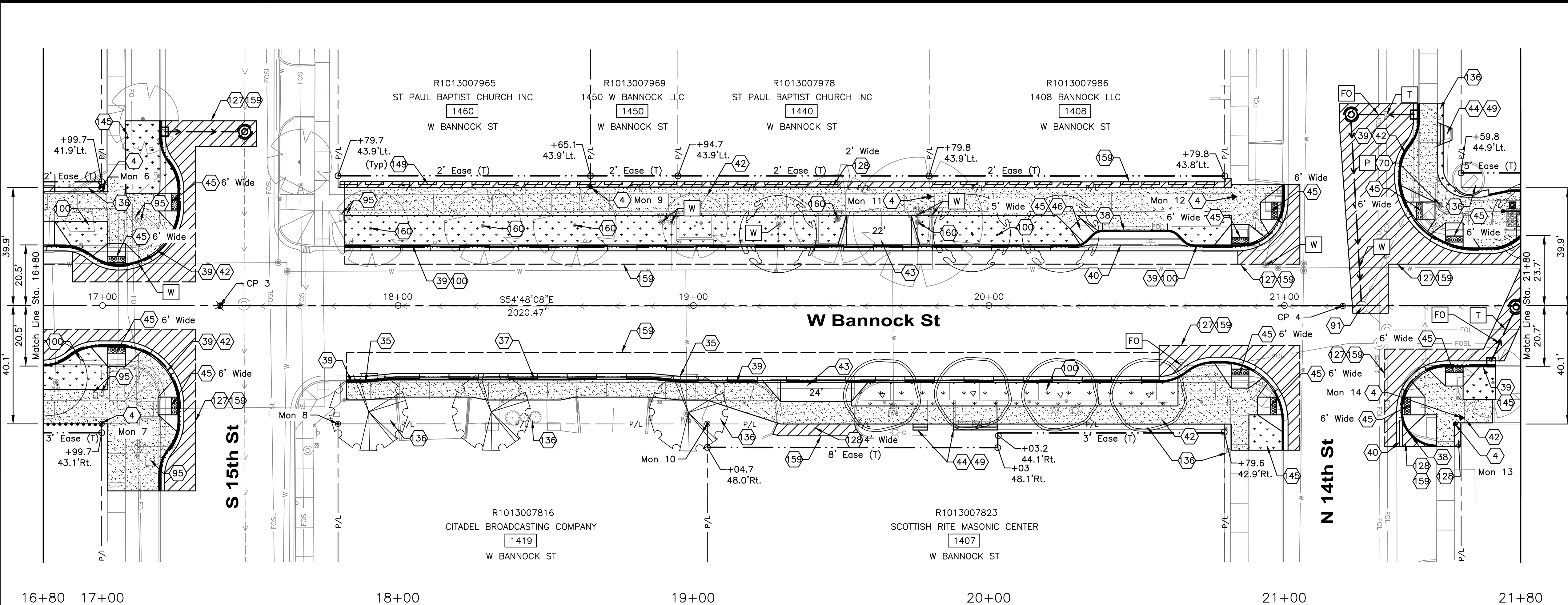
Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet C4.01

NOTES

- 4 Reference And Reset Monument, Item 2020.4.1.F.1
- 35 Transition From 6" Vertical Curb & Gutter To 3" Rolled Curb And Gutter, Incidental To Item 706.4.1.A.3
- 37 Standard 3" Rolled Curb & Gutter, Item 706.4.1.A.1
- 38 6" Vertical Curb (No Gutter), Item 706.4.1.A.3
- 39 Standard 6" Vertical Curb & Gutter, Item 706.4.1.A.5
- 40 Concrete Valley Gutters, Item 706.4.1.B.1
- 42 Concrete Sidewalks, Thickness 5", Item 706.4.1.E.1
- 43 Concrete Driveway Approach, Item 706.4.1.F.1
- 44 Concrete Repair, Item 706.4.1.G.1
- 45 Ped. Ramp w/ Detectable Warning Domes, Type A, Item 706.4.1.H.1.A
- 46 Omit Truncated Domes From Ramp
- 49 Concrete Steps, Item 706.4.1.D.1
- 70 Relocate Street Light, See Illumination Plans Item 1102.4.1.B.1
- 91 Stormwater Manhole - Adjust To Grade, Item 2030.4.1.A.1.A
- 95 Miscellaneous Utility, Adjust To Grade, Item 2030.4.1.D.1
- 100 See Streetscape Plans For Details
- 127 Asphalt Repair - Arterial And Collector, Item SSP 08120
- 128 Asphalt Repair - Other, Item SSP 08125
- 136 Repair Landscaping, Item SSP 29067B
- 145 Sod Repair, Item SSP 29064
- 149 Precast Parking Bumpers, Item SP 20117
- 159 Sawcut Neat Line. Match Existing. See Standard Drawings ISPWC SD-806, Incidental to Project
- 160 Retain And Protect



HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

Approval Stamp

60% COMPLETED

Revisions:	Design By: P. Dewit	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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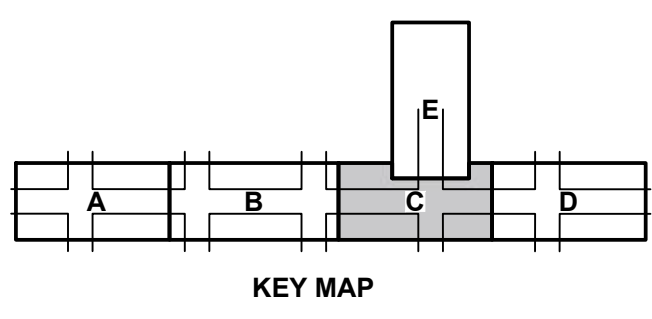
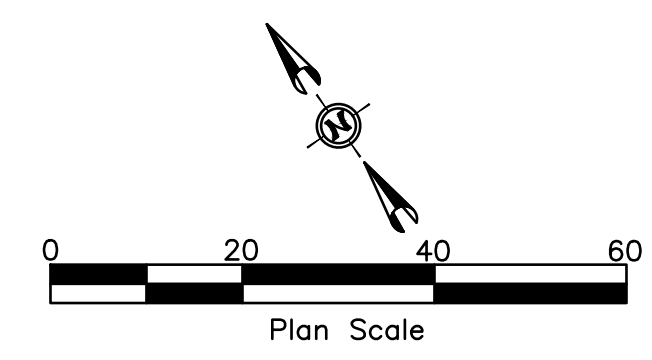
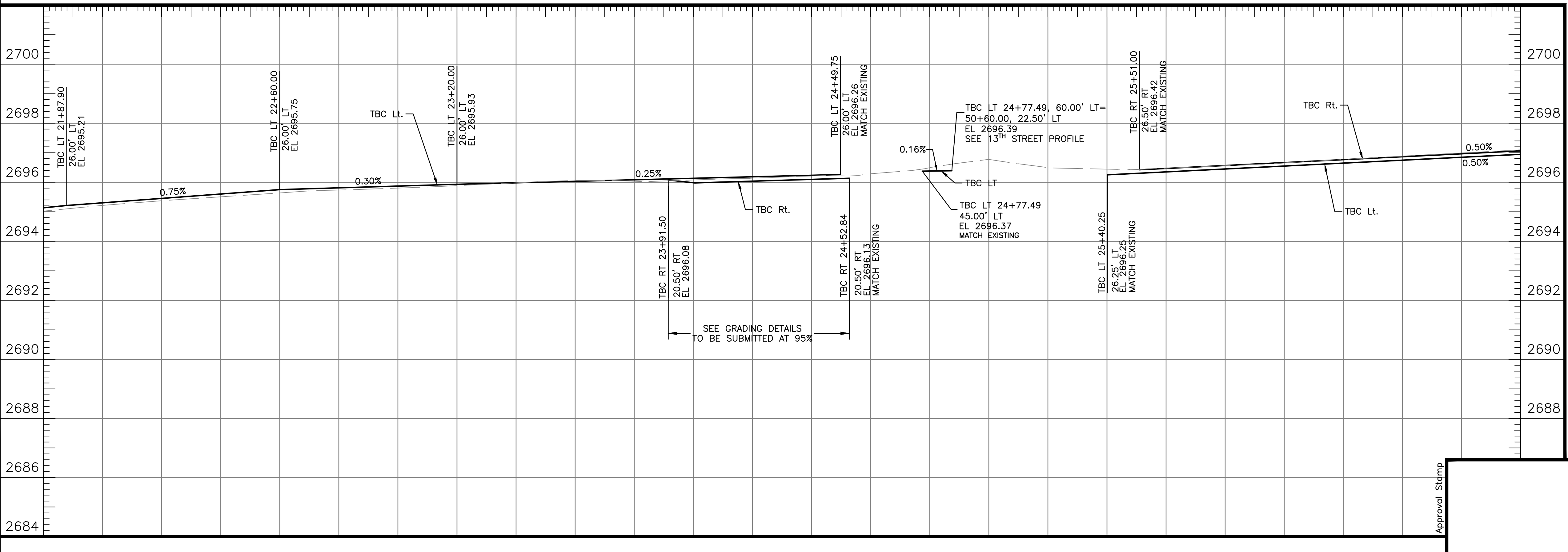
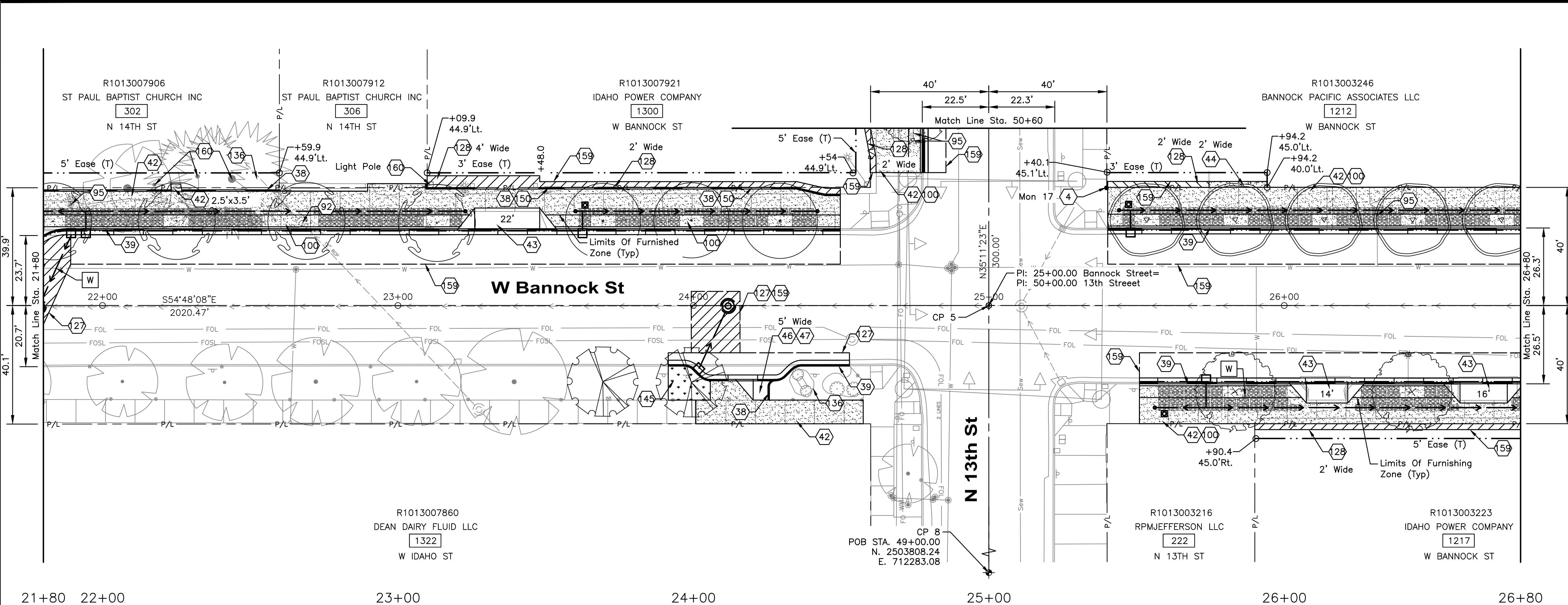
Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet C4.02

NOTES

- 4 Reference And Reset Monument, Item 2020.4.1.F.1
- 38 6" Vertical Curb (No Gutter), Item 706.4.1.A.3
- 39 Standard 6" Vertical Curb & Gutter, Item 706.4.1.A.5
- 40 Concrete Valley Gutters, Item 706.4.1.B.1
- 42 Concrete Sidewalks, Thickness 5", Item 706.4.1.E.1
- 43 Concrete Driveway Approach, Item 706.4.1.F.1
- 44 Concrete Repair, Item 706.4.1.G.1
- 45 Ped. Ramp w/Detectable Warning Domes, Type A, Item 706.4.1.H.1.A
- 46 Omit Truncated Domes From Ramp
- 47 Ped. Ramp w/Detectable Warning Domes, Type C4, Item 706.4.1.H.1.C4
- 92 Irrigation Manhole - Adjust To Grade, Item 2030.4.1.A.1.B
- 95 Miscellaneous Utility, Adjust To Grade, Item 2030.4.1.D.1
- 00 See Streetscape Plans For Details
- 27 Asphalt Repair - Arterial And Collector, Item SSP 08120
- 28 Asphalt Repair - Other, Item SSP 08125
- 36 Repair Landscaping, Item SSP 29067B
- 45 Sod Repair, Item SSP 29064
- 50 Curb Profile Details To Be Provided At 95% Submittal
- 59 Sawcut Neat Line. Match Existing. See Standard Drawings ISPWC SD-806, Incidental to Project
- 60 Retain And Protect



HDR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

Approval Stamp

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Revisions:	Design By: P. Dewit	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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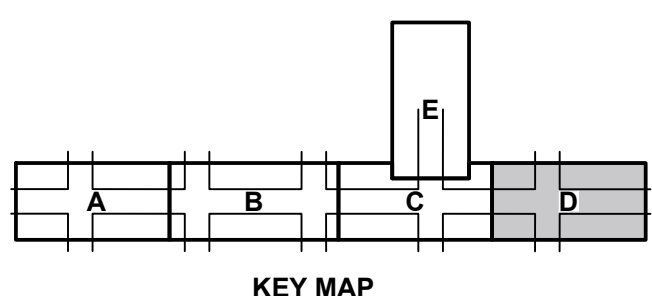
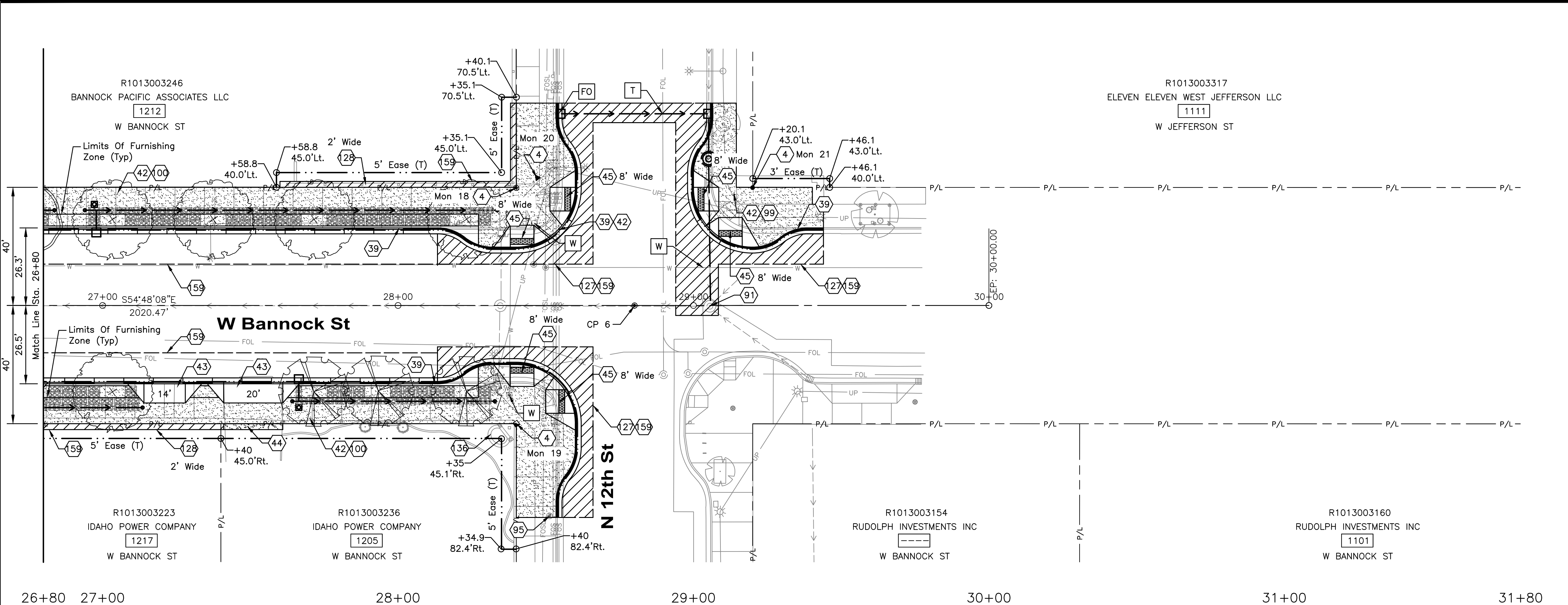
Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet C4.03

NOTES

- ④ Reference And Reset Monument, Item 2020.4.1.F.1
- ③⑨ Standard 6" Vertical Curb & Gutter, Item 706.4.1.A.5
- ④② Concrete Sidewalks, Thickness 5", Item 706.4.1.E.1
- ④③ Concrete Driveway Approach, Item 706.4.1.F.1
- ④④ Concrete Repair, Item 706.4.1.G.1
- ④⑤ Ped. Ramp w/Detectable Warning Domes, Type A, Item 706.4.1.H.1.A
- ④⑨ Stormwater Manhole - Adjust To Grade, Item 2030.4.1.A.1.A
- ④⑨⑤ Miscellaneous Utility, Adjust To Grade, Item 2030.4.1.D.1
Match Existing Color, Texture And Location Of Decorative Concrete, Incidental To 706.4.1.E.1
- ④⑩ See Streetscape Plans For Details
- ④②⑦ Asphalt Repair - Arterial & Collector, Item SSP 08120
- ④②⑧ Asphalt Repair - Other, Item SSP 08125
- ④③⑥ Repair Landscaping, Item SSP 29067B
- ④⑤⑨ Sawcut Neat Line. Match Existing. See Standard Drawings ISPWC SD-806, Incidental to Project



HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

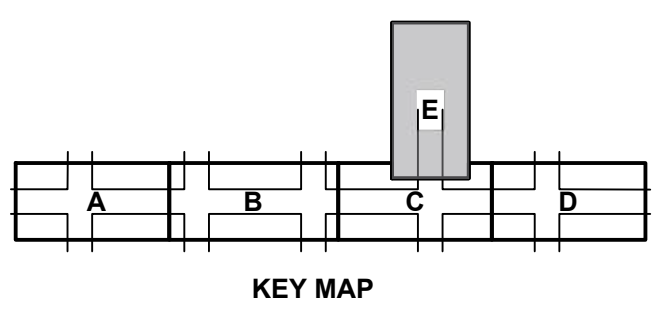
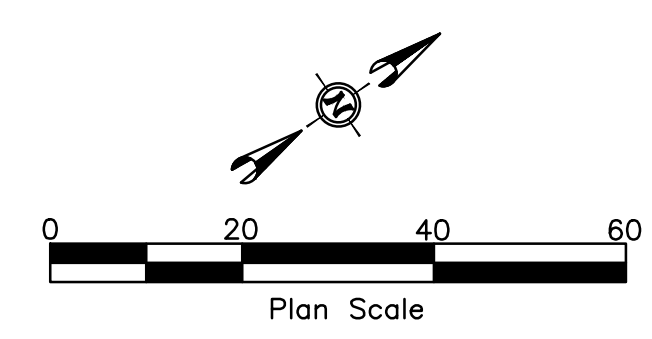
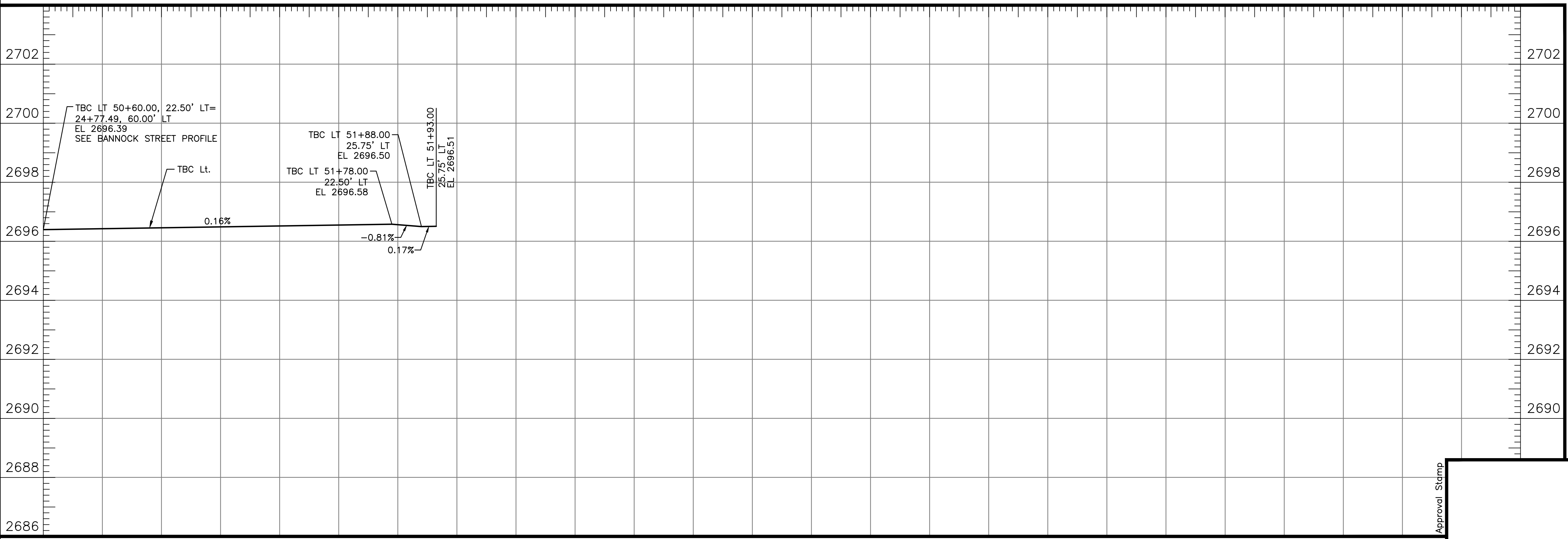
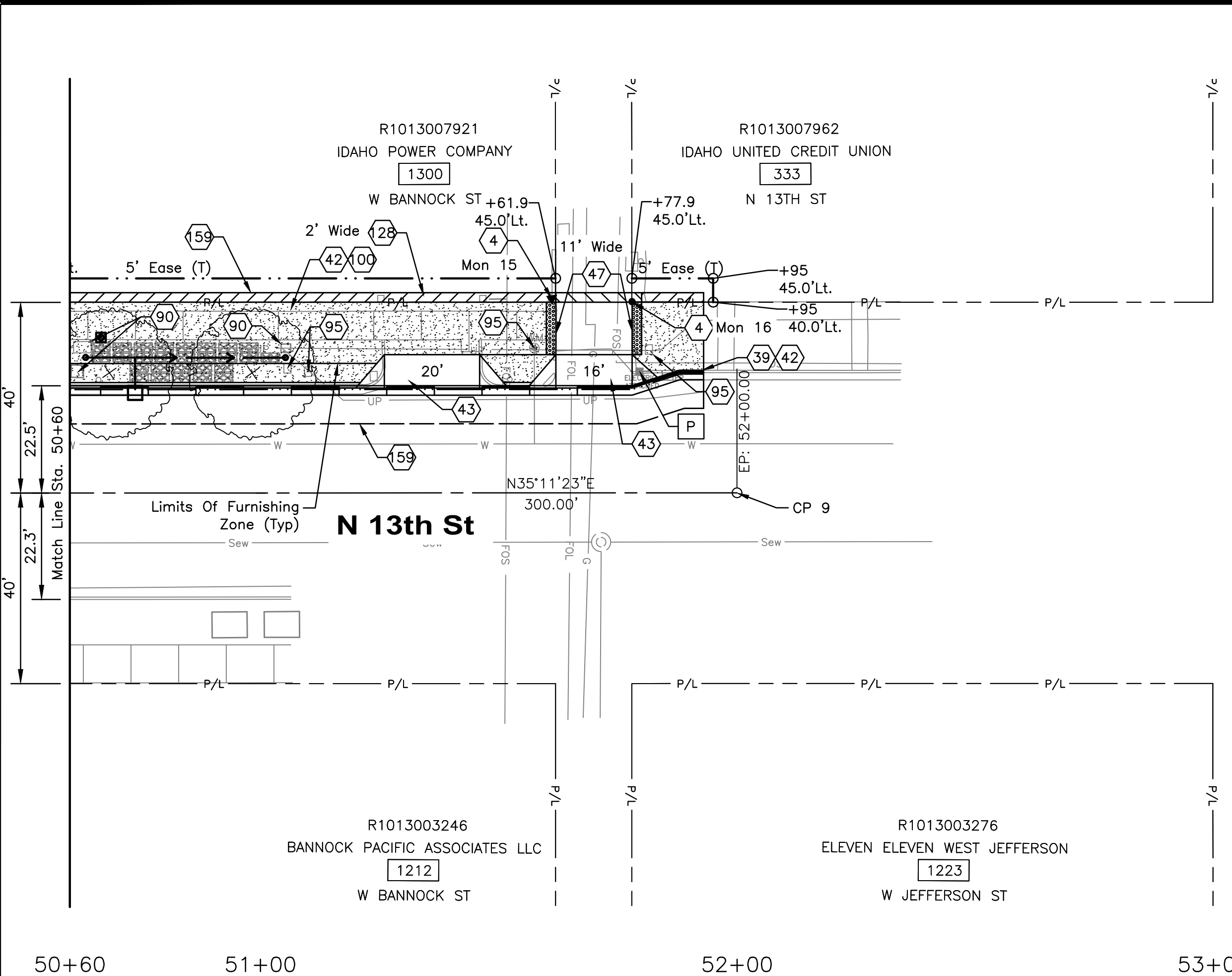
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Revisions: _____ Design By: P. Dewit Date: 12/23 Drawn By: HDR Date: 12/23 Survey By: Civil Survey Date: 05/23

NOTES

- ④ Reference And Reset Monument, Item 2020.4.1.F.1
- ③⑨ Standard 6" Vertical Curb & Gutter, Item 706.4.1.A.5
- ④② Concrete Sidewalks, Thickness 5", Item 706.4.1.E.1
- ④③ Concrete Driveway Approach, Item 706.4.1.F.1
- ④⑦ Detectable Warning Devices – Retrofit, Item SSP 07015
- ⑨⑩ Retain And Protect Existing Signal Infrastructure Including Cabinet, Service Pedestals, Foundations, Conduit And Cabling
- ⑨⑤ Miscellaneous Utility, Adjust To Grade, Item 2030.4.1.D.1
- ④⑩ See Streetscape Plans For Details
- ④⑧ Asphalt Repair – Other, Item SSP 08125
- ④⑤⑨ Sawcut Neat Line. Match Existing. See Standard Drawings ISPWC SD-806, Incidental to Project



HDR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

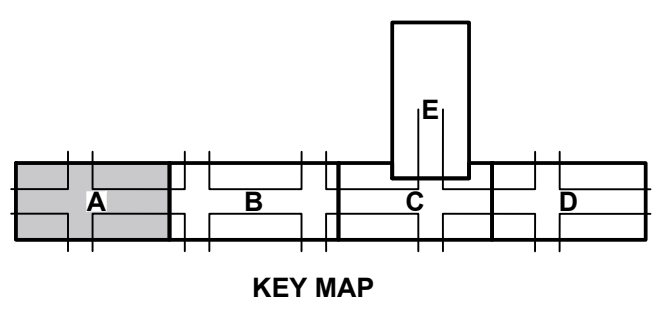
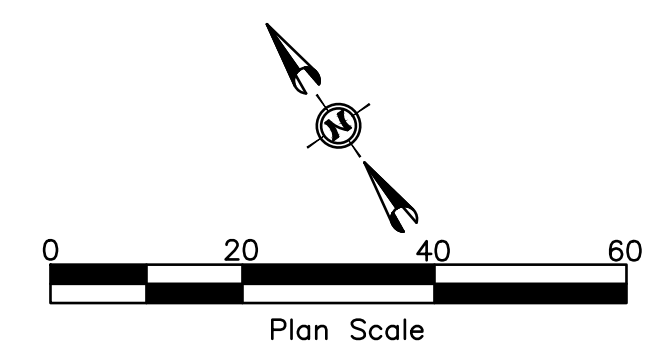
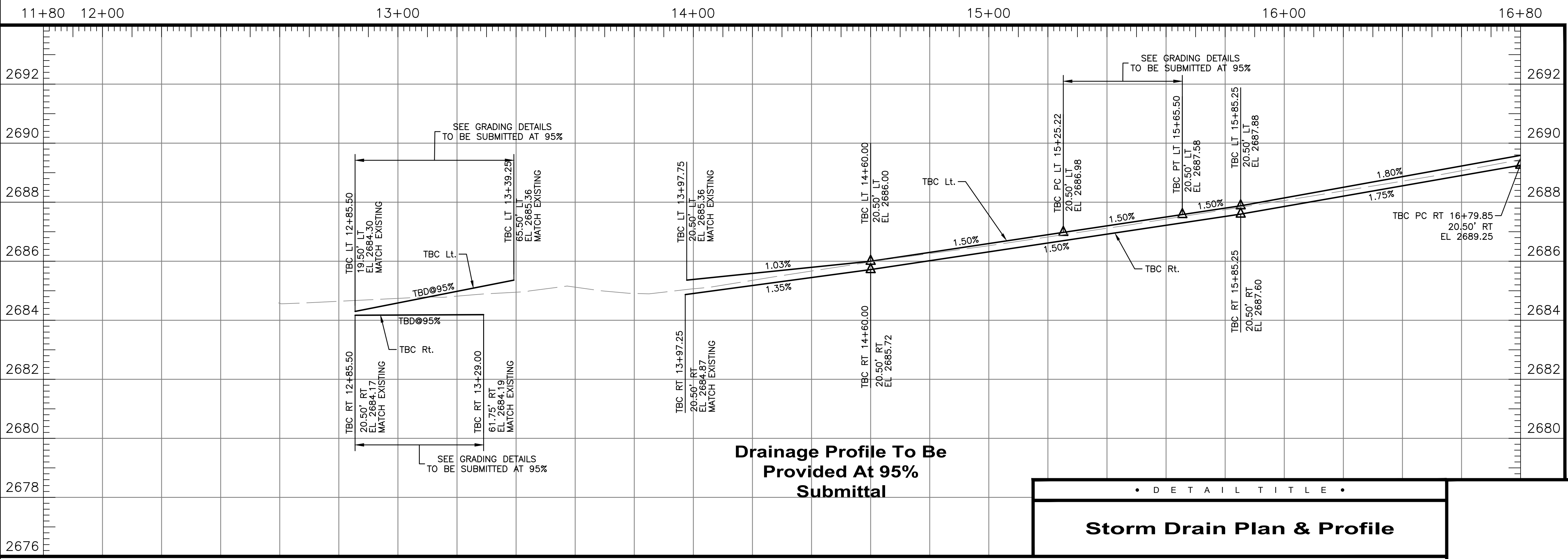
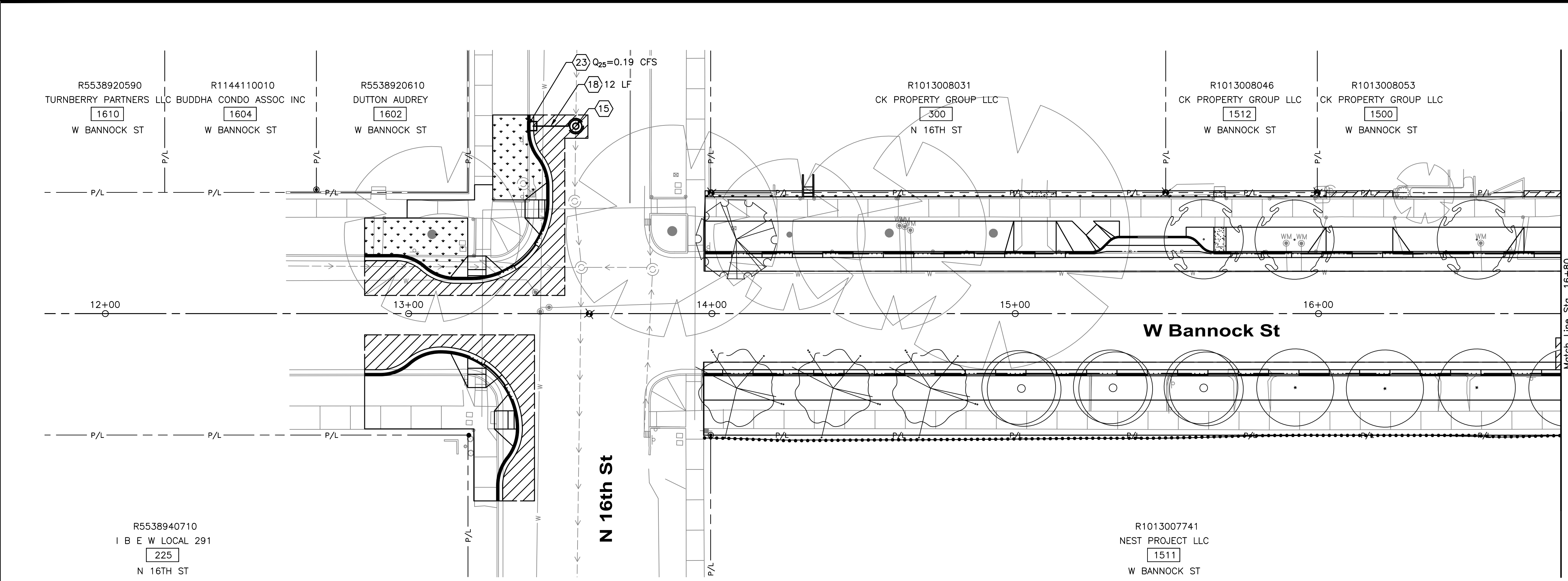
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NOTES

- 15 Storm Drain Manhole - Type B - Raised Invert, 60", Item 602.4.1.A.1.60
- 18 12" Storm Drain Pipe, Class C900 PVC Item 601.4.1.A.5.12
- 23 Catch Basin - Type I, Item 602.4.1.F.1.1

General Notes

1. See Roadway Detail Sheets For Silva Cell Details. To Be Provided At 95% Submittal.



HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

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• D E T A I L T I T L E •
Storm Drain Plan & Profile

60% COMPLETED

Revisions:	Design By: P. Dewit	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

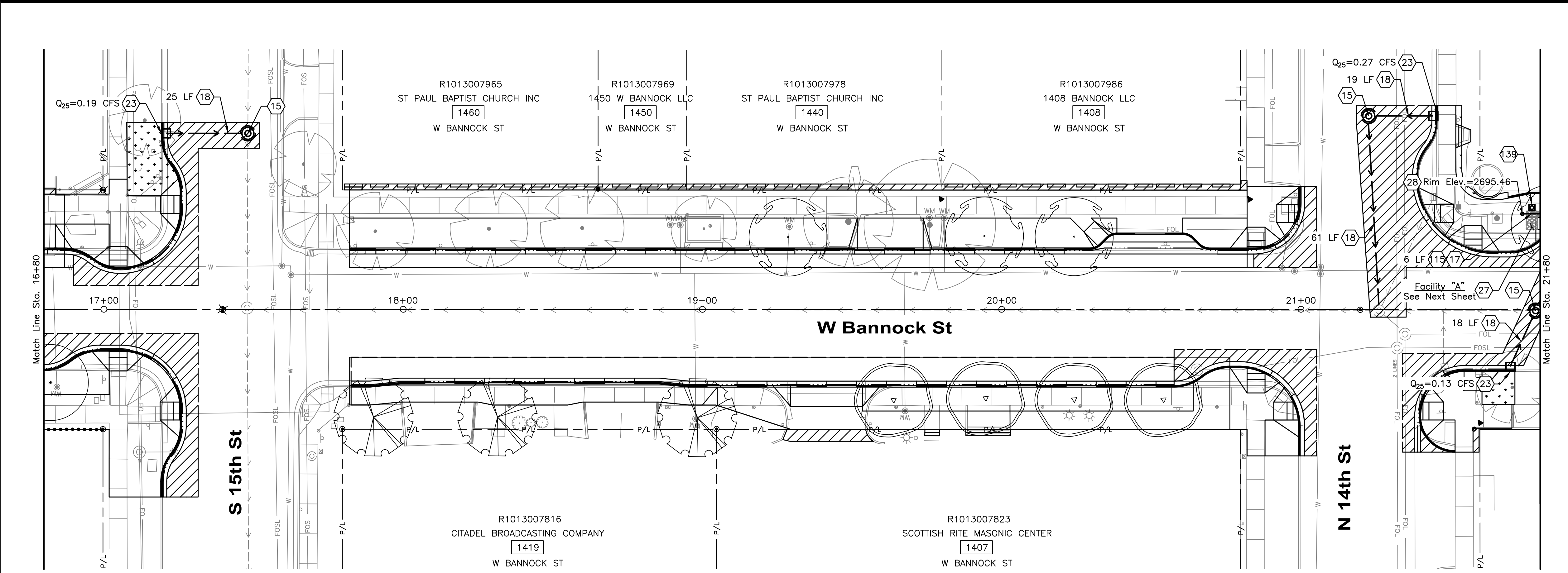
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NOTES

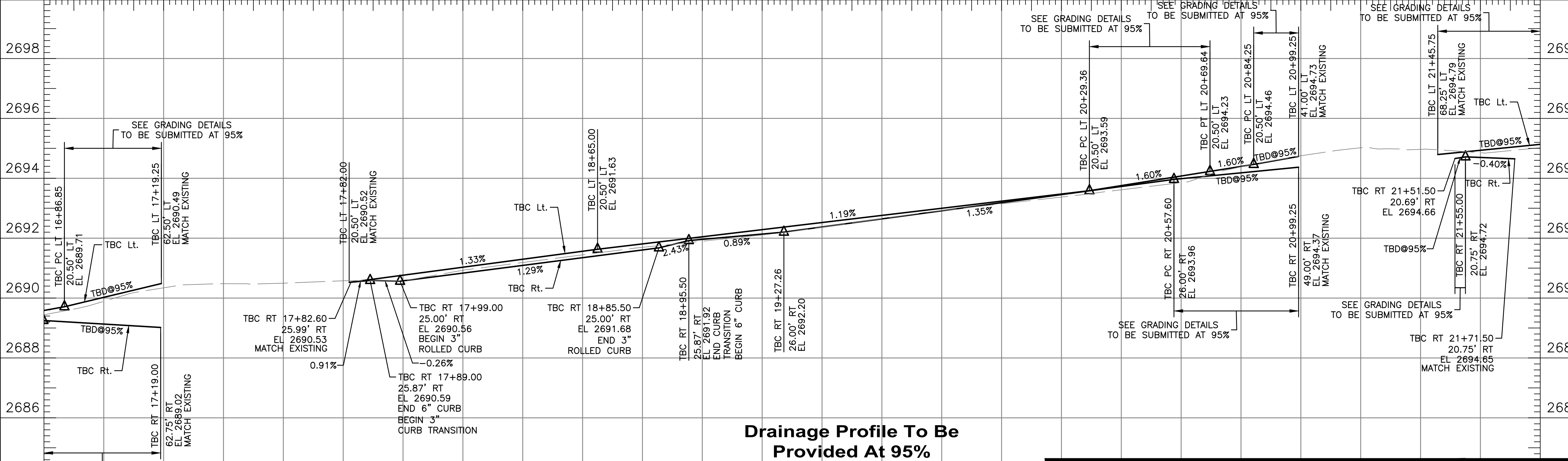
- 15 Storm Drain Manhole - Type B - Raised Invert, 60", Item 602.4.1.A.1.60
- 17 6" SDR 35 PVC Pipe, Item 601.4.1.A.5.6
- 18 12" Storm Drain Pipe, Class C900 PVC Item 601.4.1.A.5.12
- 23 Catch Basin - Type I, Item 602.4.1.F.1.1
- 27 Stormwater Tree (Silva) Cells, Type 2X Item SP 02028
- 28 Traffic Rated Clean-Out, Per BMP33 In ACHD Policy Manual Section 8200, Item SP 06006
- 15 Perforate Distribution Pipe Per Detail X. Detail To Be Provided At 95% Submittal.
- 39 Groundwater Observation Well, Item SSP 29110

General Notes

1. See Roadway Detail Sheets For Silva Cell Details. To Be Provided At 95% Submittal.

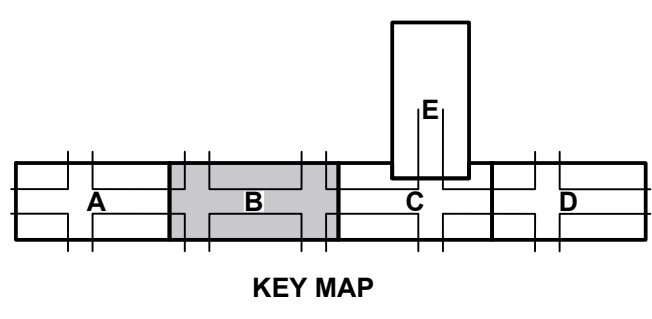
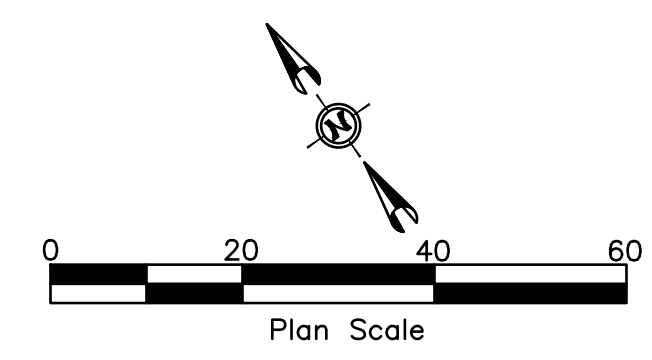


16+80 17+00 18+00 19+00 20+00 21+00 21+80



Drainage Profile To Be Provided At 95% Submittal

• DETAIL TITLE •
Storm Drain Plan & Profile



HDR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

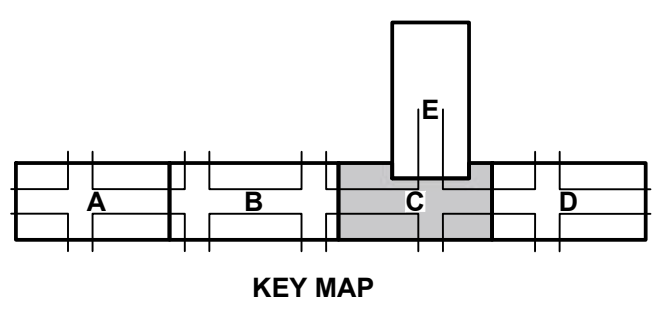
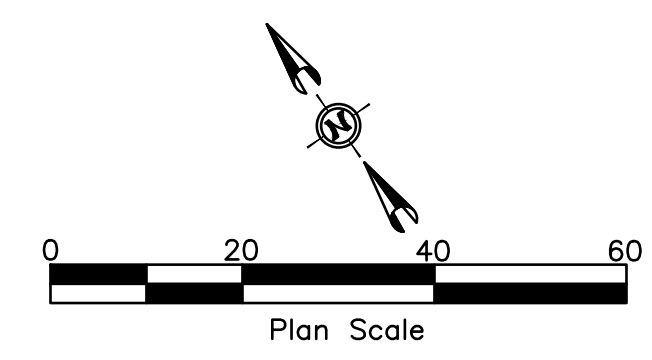
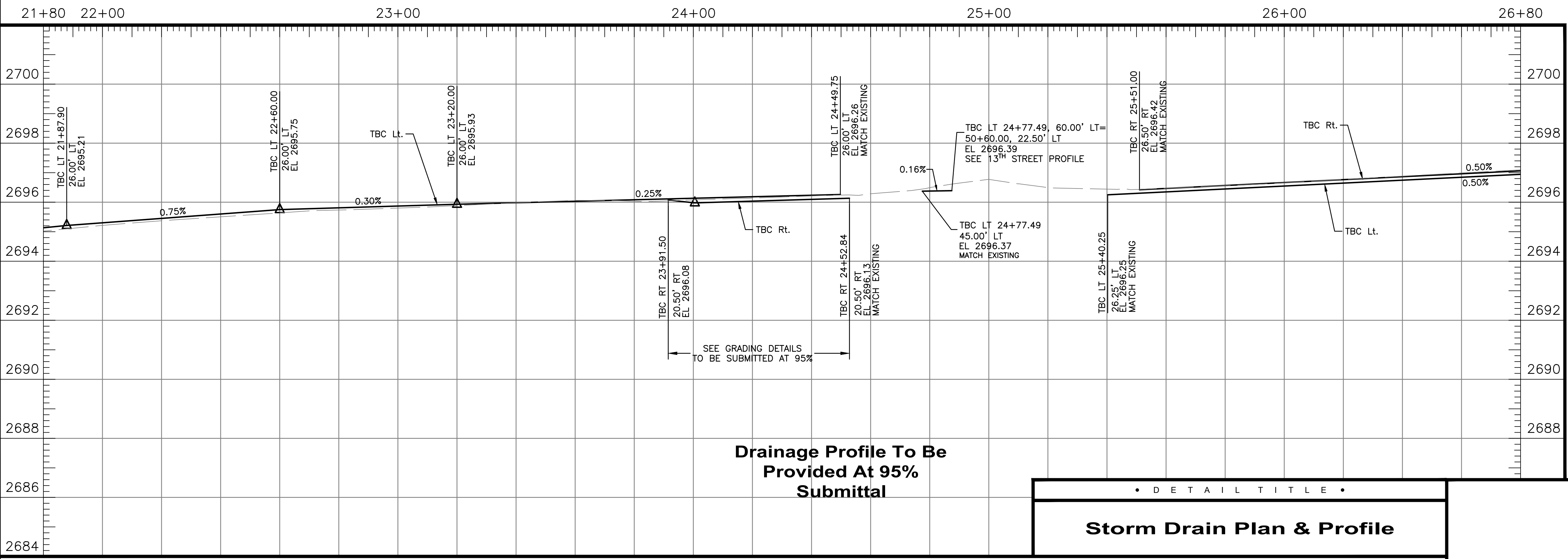
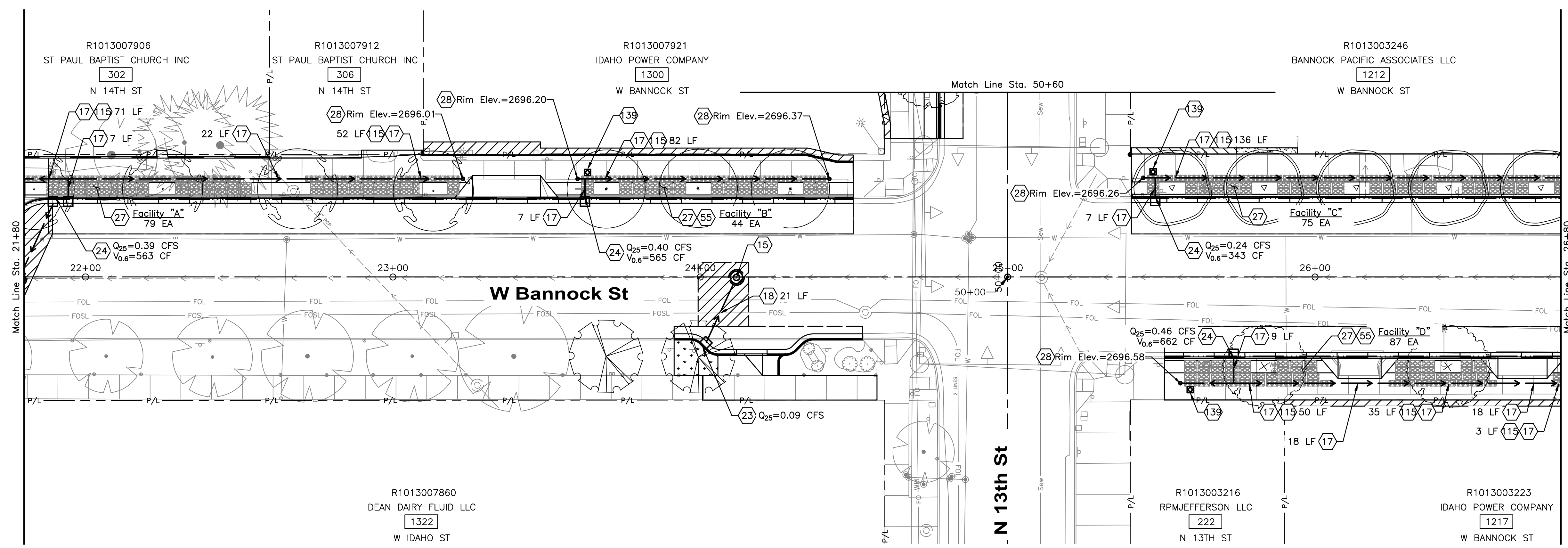
Sheet C6.02

NOTES

- 15 Storm Drain Manhole - Type B - Raised Invert, 60", Item 602.4.1.A.1.60
- 17 6" SDR 35 PVC Pipe, Item 601.4.1.A.5.6
- 18 12" Storm Drain Pipe, Class C900 PVC Item 601.4.1.A.5.12
- 23 Catch Basin - Type I, Item 602.4.1.F.1.1
- 24 Shallow Inlet - Type I, Item 602.4.1.F.1.1.A
- 27 Stormwater Tree (Silva) Cells, Type 2X Item SP 02028
- 28 Traffic Rated Clean-Out, Per BMP33 in ACHD Policy Manual Section 8200, Item SP 06006
- 55 Crushed Aggregate for Base Type 2" Drain Rock, Item 802.4.1.A.1.2
- 19 Perforate Distribution Pipe Per Detail X. Detail To Be Provided At 95% Submittal.
- 39 Groundwater Observation Well, Item SSP 29110

General Notes

1. See Roadway Detail Sheets For Silva Cell Details. To Be Provided At 95% Submittal.



HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

Approval Stamp

• D E T A I L T I T L E •
Storm Drain Plan & Profile

60% COMPLETED

Revisions:	Design By: M. Blum	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

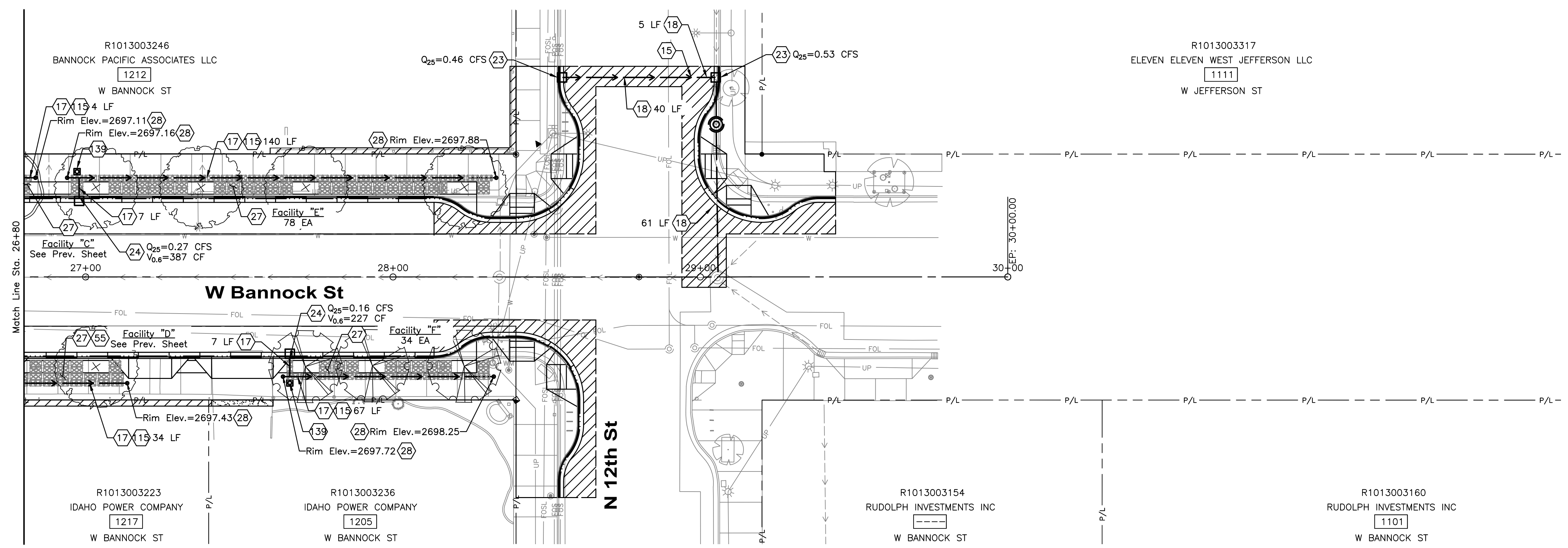
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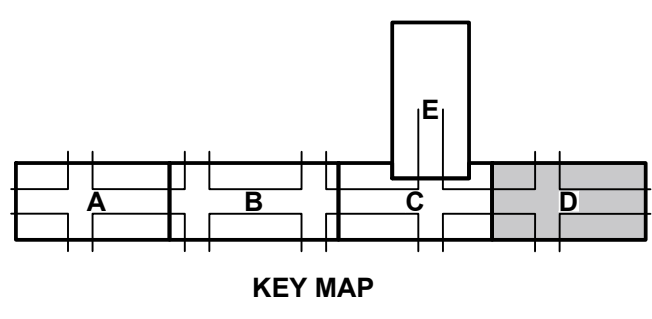
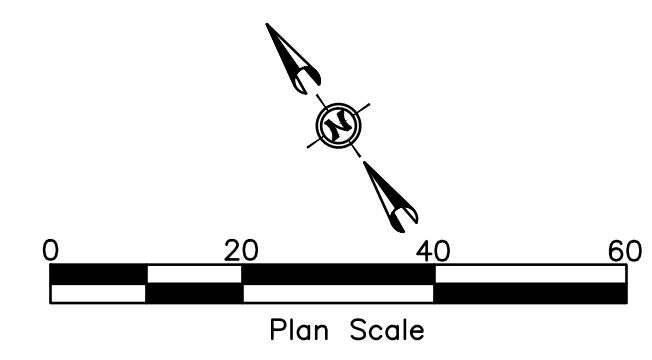
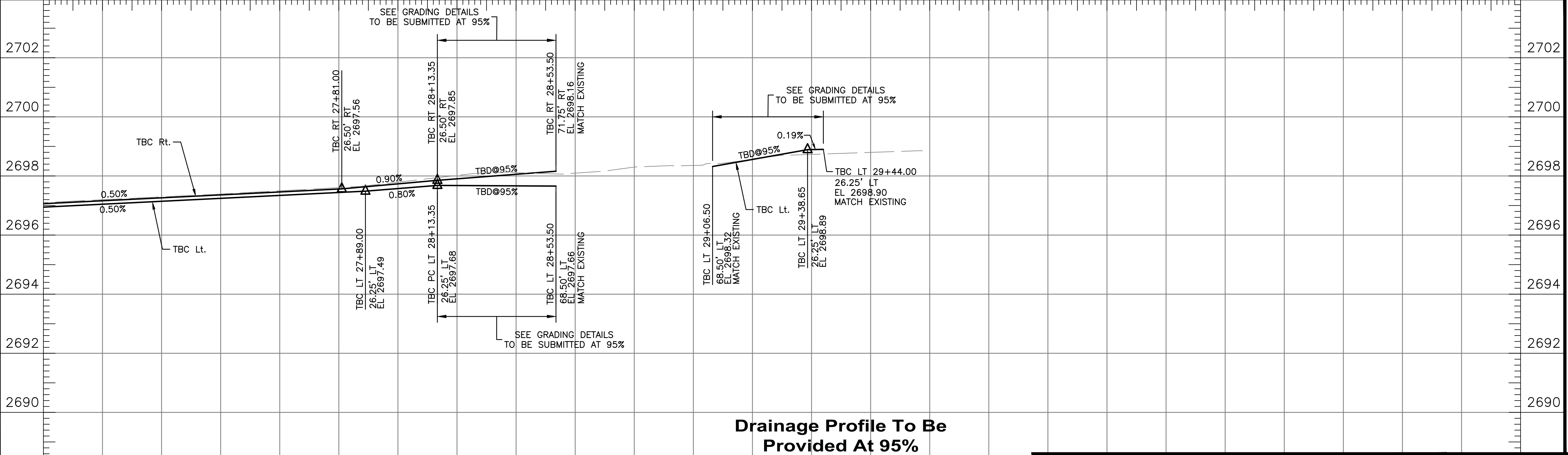
- 15 Storm Drain Manhole - Type B - Raised Invert, 60", Item 602.4.1.A.1.60
- 17 6" SDR 35 PVC Pipe, Item 601.4.1.A.5.6
- 18 12" Storm Drain Pipe, Class C900 PVC Item 601.4.1.A.5.12
- 23 Catch Basin - Type I, Item 602.4.1.F.1.1
- 24 Shallow Inlet - Type I, Item 602.4.1.F.1.1.A
- 27 Stormwater Tree (Silva) Cells, Type 2X Item SP 02028
- 28 Traffic Rated Clean-Out, Per BMP33 in ACHD Policy Manual Section 8200, Item SP 06006
- 55 Crushed Aggregate for Base Type 2" Drain Rock, Item 802.4.1.A.1.2
- 19 Perforate Distribution Pipe Per Detail X. Detail To Be Provided At 95% Submittal.
- 39 Groundwater Observation Well, Item SSP 29110

General Notes

1. See Roadway Detail Sheets For Silva Cell Details. To Be Provided At 95% Submittal.



26+80 27+00 28+00 29+00 30+00 31+00 31+80



HR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

Revisions:		Design By: M. Blum	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
Storm Drain Plan & Profile							

Approval Stamp

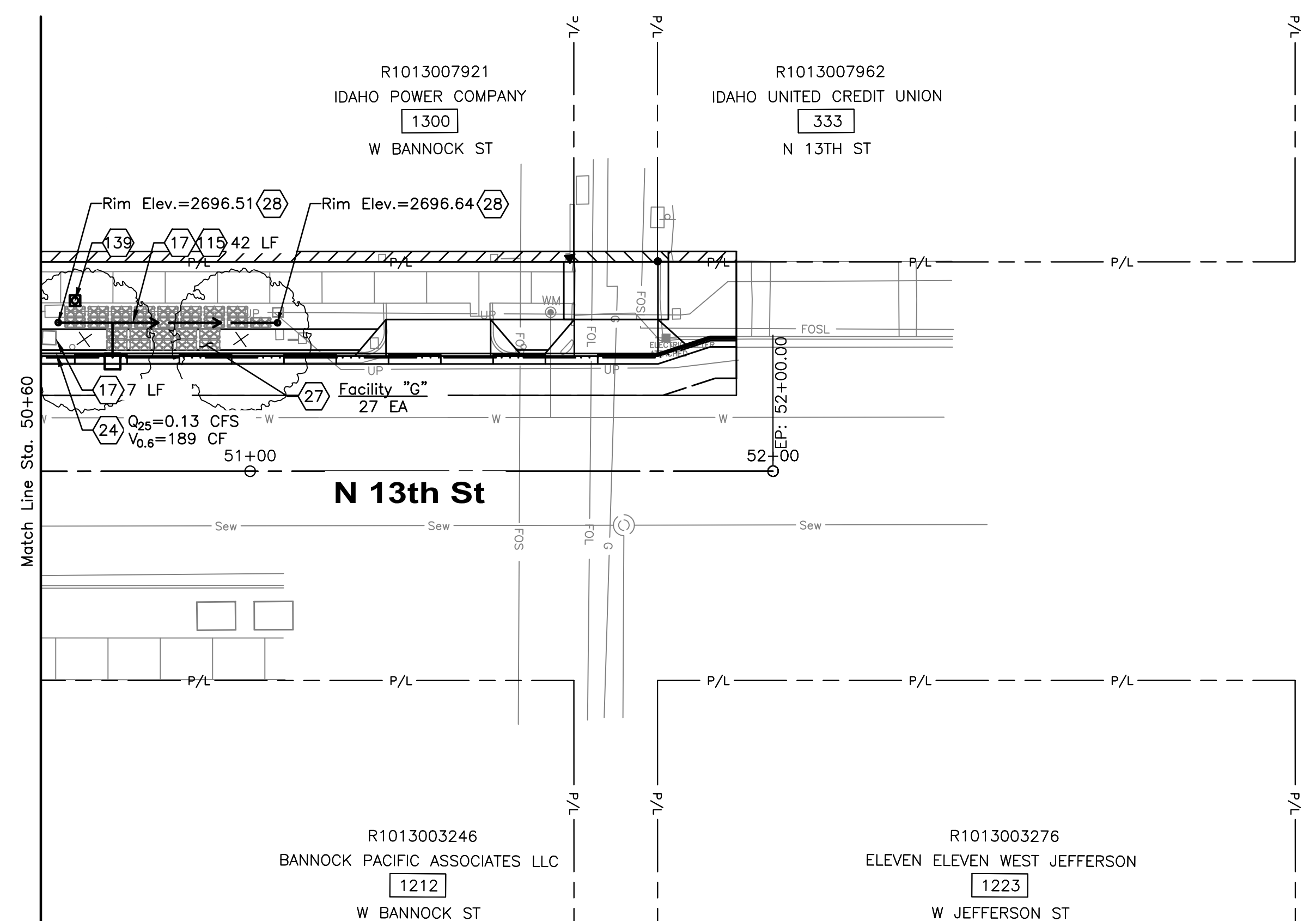
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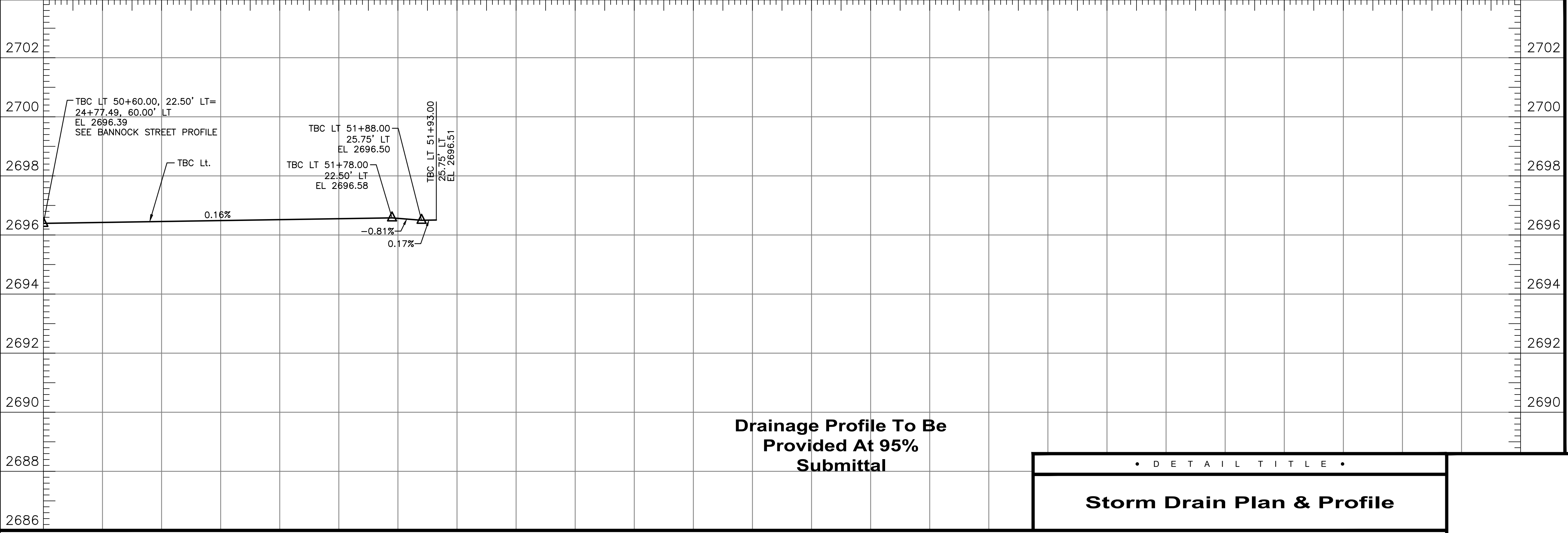
- (17) 6" SDR 35 PVC Pipe, Item 601.4.1.A.5.6
- (24) Shallow Inlet - Type I, Item 602.4.1.F.1.1.A
- (27) Stormwater Tree (Silva) Cells, Type 2X Item SP 02028
- (28) Traffic Rated Clean-Out, Per BMP33 In ACHD Policy Manual Section 8200, Item SP 06006
- (90) Retain And Protect Existing Signal Infrastructure Including Cabinet, Service Pedestals, Foundations, Conduit & Cabling.
- (15) Perforate Distribution Pipe Per Detail X. Detail To Be Provided At 95% Submittal.
- (39) Groundwater Observation Well, Item SSP 29110

General Notes

1. See Roadway Detail Sheets For Silva Cell Details. To Be Provided At 95% Submittal.

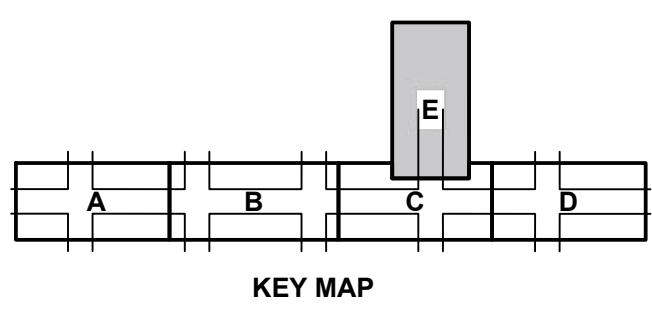
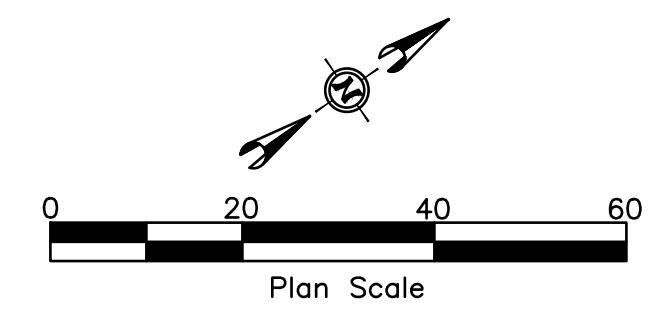


50+60 51+00 52+00 53+00 54+00 55+00 55+60



Drainage Profile To Be Provided At 95% Submittal

• D E T A I L T I T L E •
Storm Drain Plan & Profile



HDR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

Approval Stamp

60% COMPLETED

Revisions:	Design By: M. Blum	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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Capital City Development Corp

121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdcoise.com

Project Number: 23056

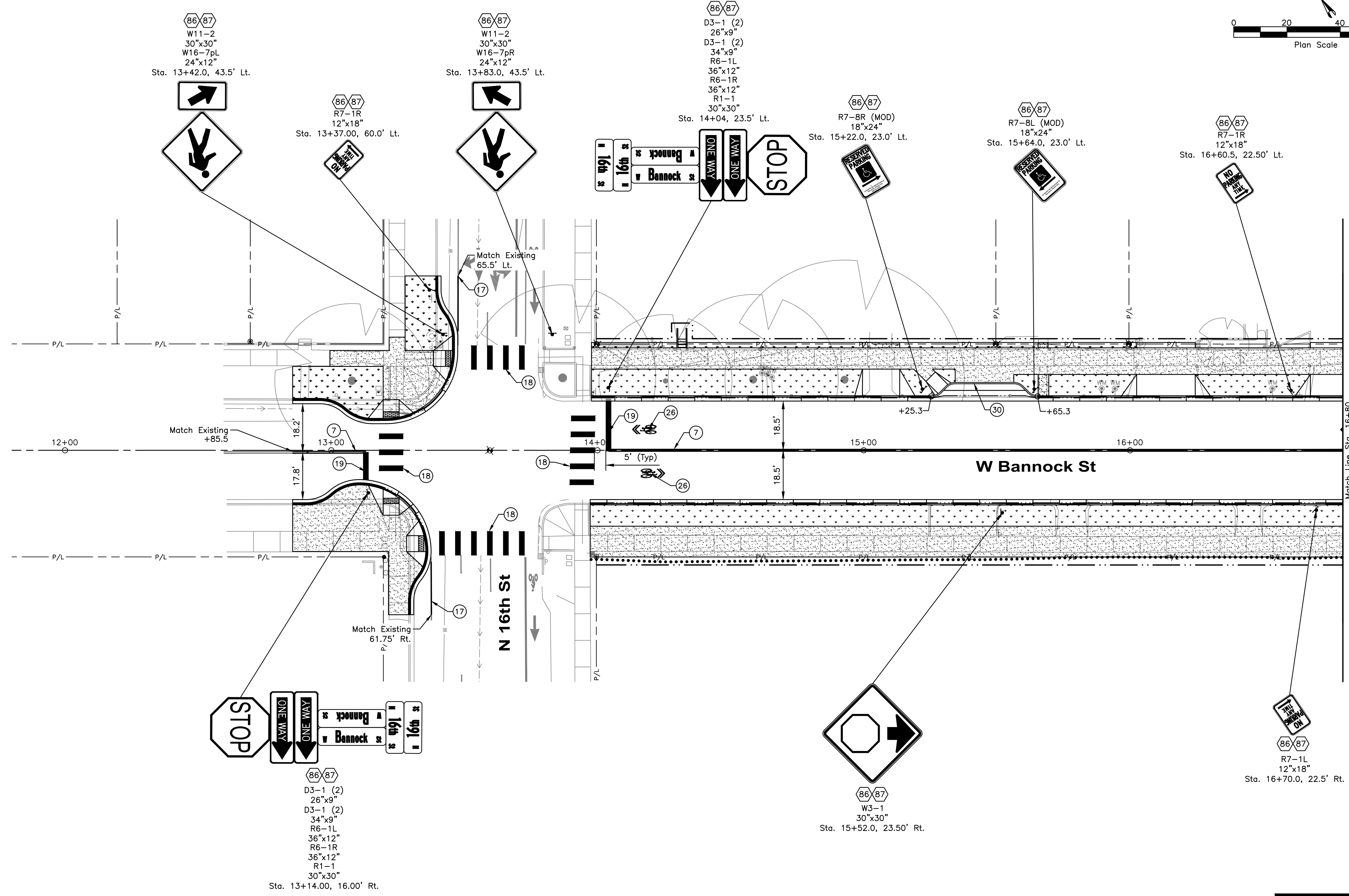
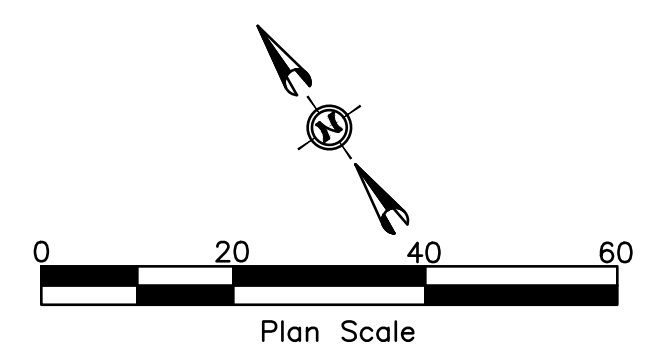
Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet C6.05

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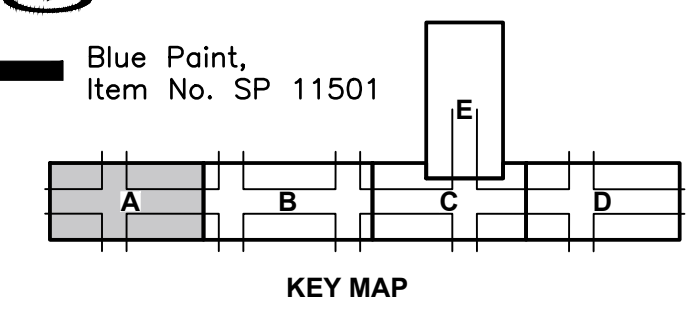
- 86 Roadside Traffic Sign Installation (One Metal Post), Item 1135.01.01
- 87 Furnish Roadside Sign Face, Item 1135.01.05

- See ACHD Standard Details TS-1112 & TS-1113 For Standard Lane Use Pavement Marking Details.
- All Symbols, Stop Bars, Word Markings, Yield Lane Markings, And Crosswalks Shall Be Thermoplastic, Item 1134.05.21, All Remaining Pavement Markings Shall Be Paint, Item 1134.03.21
- Match Existing Pavement Markings As Presented.
- Completely Obliterate All Conflicting Pavement Markings.
- Pavement Marking Dimensions Shown Are From Lip Of Gutter Or Face Of Curb To Center Of Marking.
- The Locations Of Post Mounted Signs Shall Be Field Verified By ACHD Prior To Installation. Contractor Shall Provide ACHD With Two Working Days Notice Prior To Field Verification.
- Place All Parking Restriction Signs At A 45 Degree Angle With Respect To The Back Of Walk And/Or Curb.
- Sign Removals To Be Shown At 95% Design Submittal



LEGEND

- ③ — 4" White Lane Line (7' Length, 18' Gap)
- ⑦ — 4" Double Yellow
- ⑫ — 8" White Bike Lane At Int. 2' Length & 6' Gap
- ⑮ — 8" White
- ⑰ — 4" White, Right Edgeline
- ⑱ — 24" White, 9' Wide -Crosswalk
- ⑲ — 24" White - Stop Bar
- ⑳ — Green Bike Lane Markings, 2' Length & 6' Gap
- ㉕ — Bike Lane Symbol & Arrow
- ㉖ — Sharrow
- ⑳ — Blue Paint, Item No. SP 11501



HDR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

Approval Stamp

60% COMPLETED

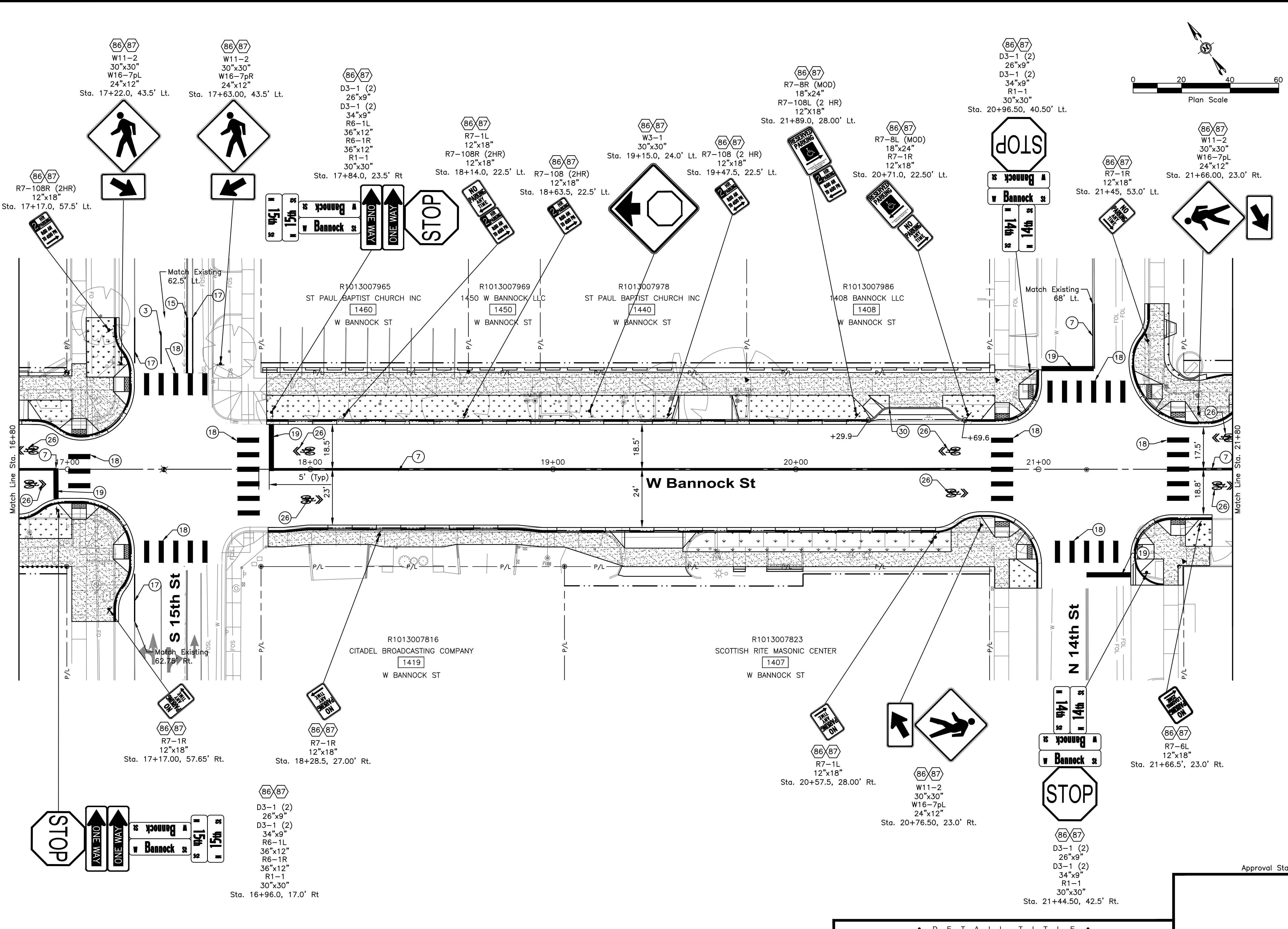
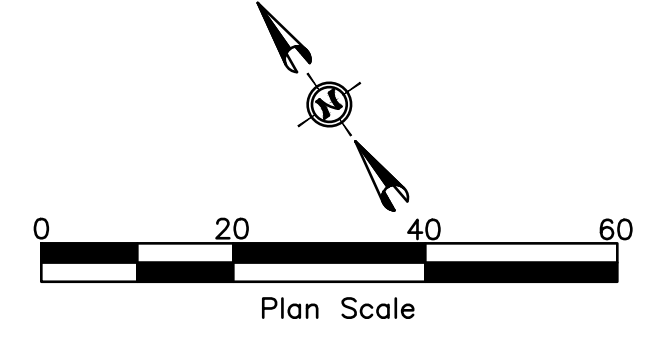
Revisions:	Design By: J. Bendy	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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• D E T A I L T I T L E •
Bannock St Signage And Striping Plan

NOTES

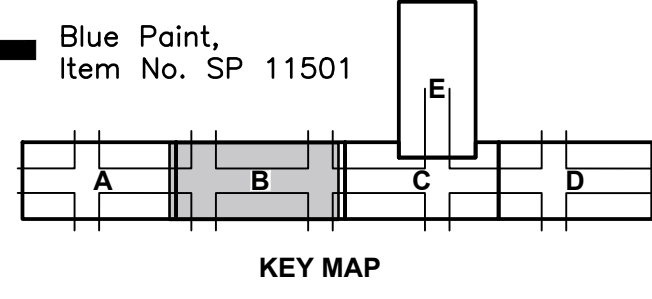
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LEGEND

- ③ — 4" White Lane Line (7' Length 18' Gap)
- ⑦ — 4" Double Yellow
- ⑫ — 8" White Bike Lane At Int. 2' Length & 6' Gap
- ⑮ — 8" White
- ⑰ — 4" White, Right Edgeline
- ⑱ — 24" White, 9' Wide -Crosswalk
- ⑲ — 24" White - Stop Bar 2'
- ⑳ — Green Bike Lane Markings, 2' Length & 6' Gap
- ㉕ — Bike Lane Symbol & Arrow
- ㉖ — Sharrow
- ⑳ — Blue Paint, Item No. SP 11501



HDR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

Approval Stamp

Revisions:		Design By: J. Bendy		Date: 12/23		Drawn By: HDR		Date: 12/23		Survey By: Civil Survey		Date: 05/23	
SIGNATURES													
Bannock St Signage And Striping Plan													



Capital City Development Corp
 121 N. 9th Street Suite 501, Boise, Idaho, 83702
 www.ccdco Boise

Project Number: 23056

Project Name: **Bannock Street - 16th to 12th Streetscape Improvements**

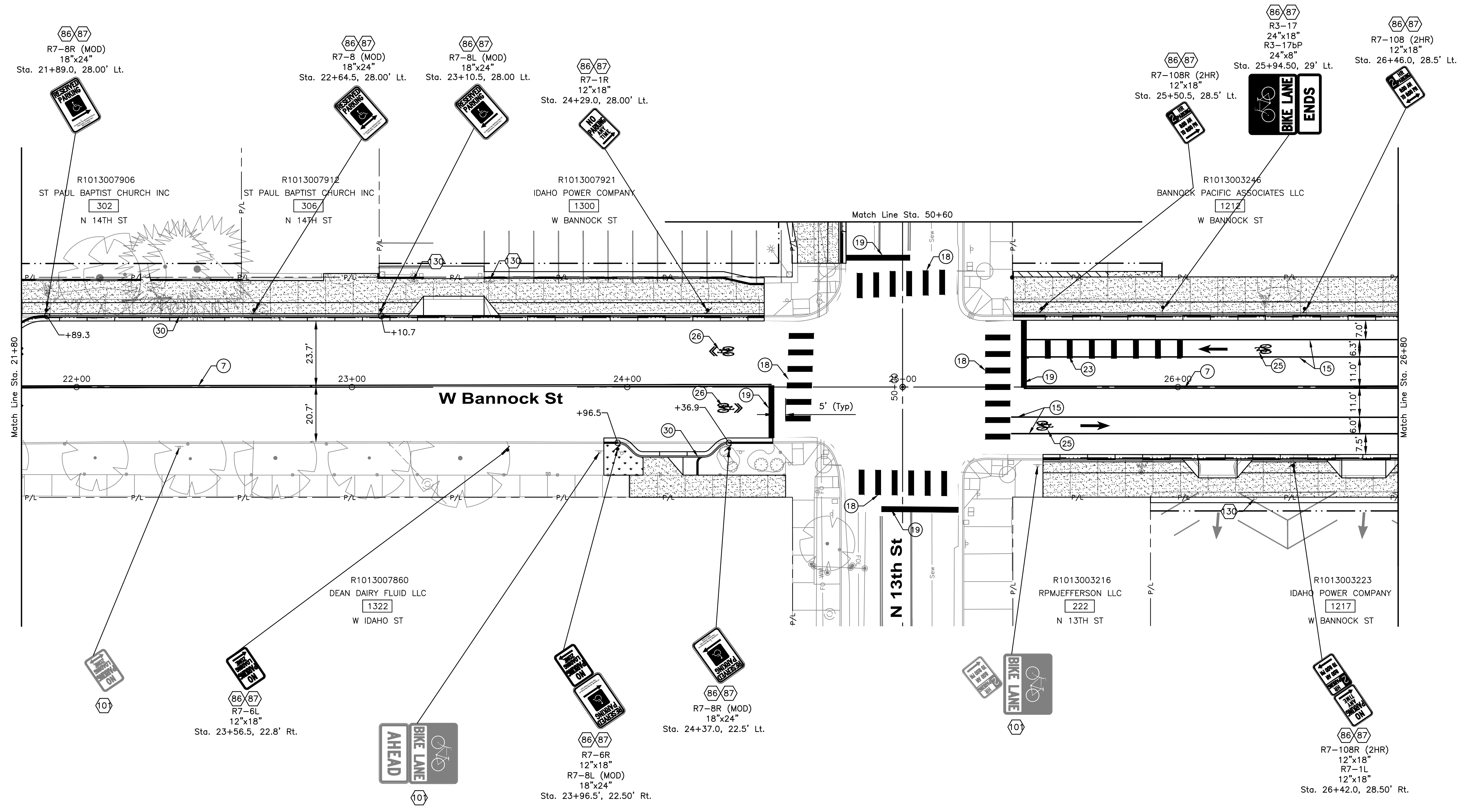
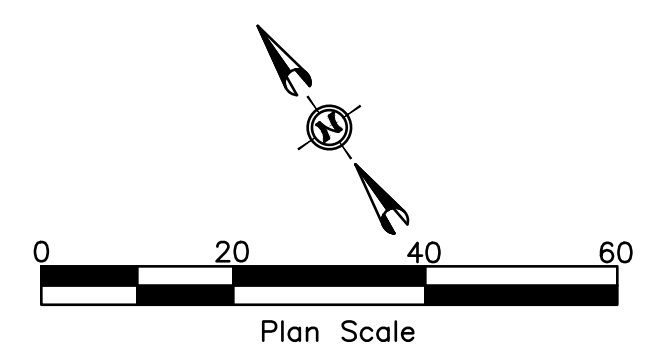
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60% COMPLETED

NOTES

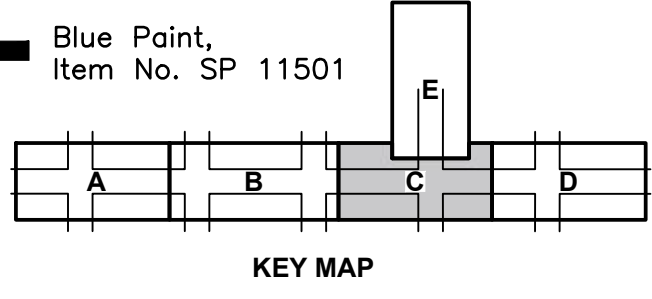
- 86 Roadside Traffic Sign Installation (One Metal Post), Item 1135.01.01
- 87 Furnish Roadside Sign Face, Item 1135.01.05
- 10 Retain And Protect Existing Sign
- 30 Coordinate With Property Owner To Relocate Commercial Sign, Incidental To 201.4.1.C.1

1. See ACHD Standard Details TS-1112 & TS-1113 For Standard Lane Use Pavement Marking Details.
2. All Symbols, Stop Bars, Word Markings, Yield Lane Markings, And Crosswalks Shall Be Thermoplastic, Item 1134.05.21, All Remaining Pavement Markings Shall Be Paint, Item 1134.03.21.
3. Match Existing Pavement Markings As Presented.
4. Completely Obliterate All Conflicting Pavement Markings.
5. Pavement Marking Dimensions Shown Are From Lip Of Gutter Or Face Of Curb To Center Of Marking.
6. The Locations Of Post Mounted Signs Shall Be Field Verified By ACHD Prior To Installation. Contractor Shall Provide ACHD With Two Working Days Notice Prior To Field Verification.
7. Place All Parking Restriction Signs At A 45 Degree Angle With Respect To The Back Of Walk And/Or Curb.
8. Sign Removals To Be Shown At 95% Design Submittal



LEGEND

- 3 — 4" White Lane Line (7' Length 18' Gap)
- 7 — 4" Double Yellow
- 12 — 8" White Bike Lane At Int. 2' Length & 6' Gap
- 15 — 8" White
- 17 — 4" White, Right Edgeline
- 18 — 24" White, 9' Wide -Crosswalk
- 19 — 24" White - Stop Bar
- 23 — 2" Green Bike Lane Markings, 2' Length & 6' Gap
- 25 — Bike Lane Symbol & Arrow
- 26 — Sharrow
- 30 — Blue Paint, Item No. SP 11501



HR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

Approval Stamp

60% COMPLETED

Revisions:	SIGNATURES			
	Design By: J. Bandy	Date: 12/23	Drawn By: HDR	Date: 12/23
	Survey By: Civil Survey	Date: 05/23		

• D E T A I L T I T L E •
Bannock St Signage And Striping Plan



Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdboise.com

Project Number: 23056

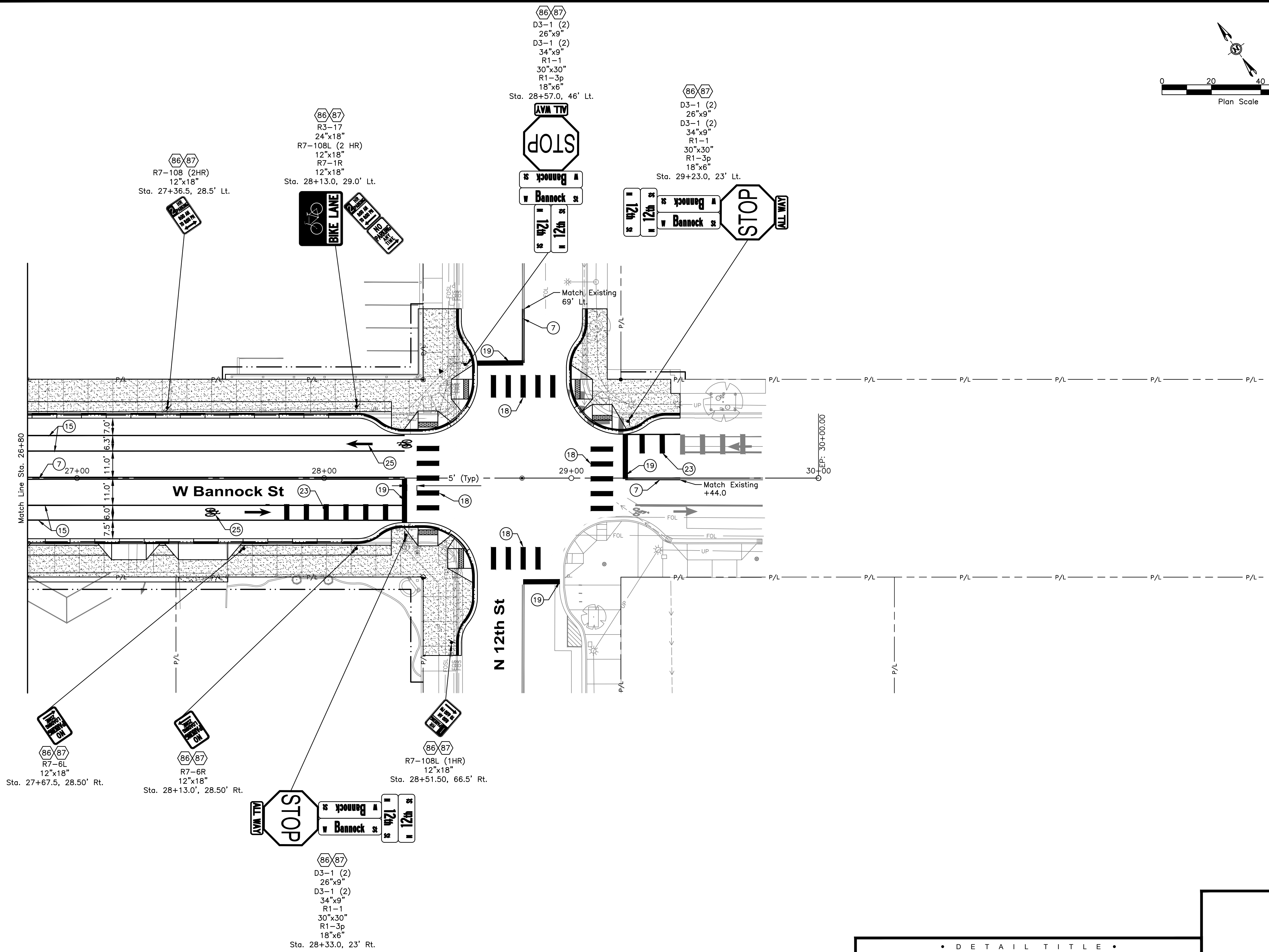
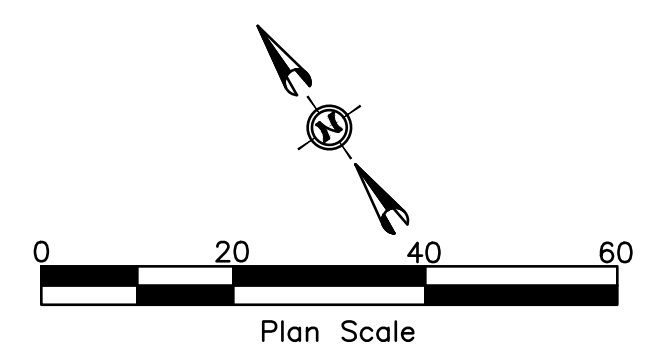
Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet T1.03

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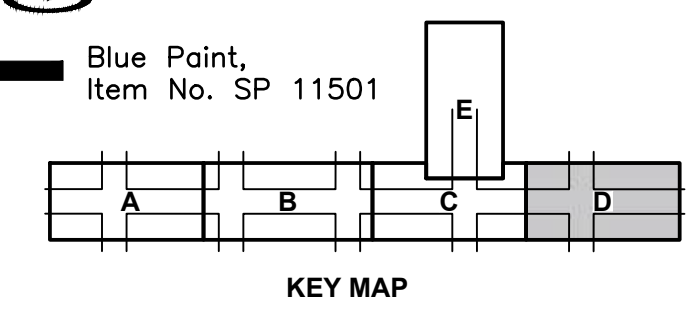
- 86 Roadside Traffic Sign Installation (One Metal Post), Item 1135.01.01
- 87 Furnish Roadside Sign Face, Item 1135.01.05

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LEGEND

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- ⑲ 24" White - Stop Bar
- ⑳ 2" Green Bike Lane Markings, 2' Length & 6' Gap
- ㉕ Bike Lane Symbol & Arrow
- ㉖ Sharrow
- ⑳ Blue Paint, Item No. SP 11501



HR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

Approval Stamp

60% COMPLETED

• D E T A I L T I T L E •

Bannock St Signage And Striping Plan

• S I G N A T U R E S •

Revisions: Design By: J. Bendy Date: 12/23 Drawn By: HDR Date: 12/23 Survey By: Civil Survey Date: 05/23

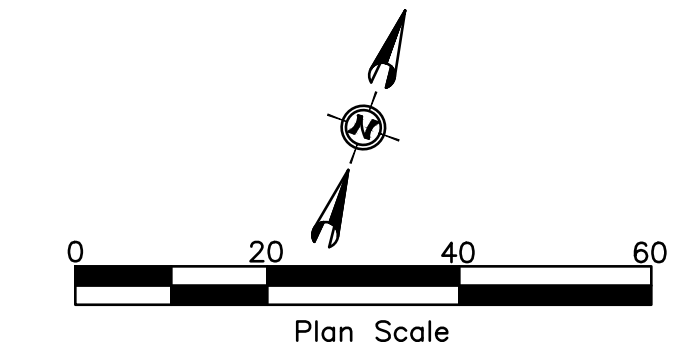


Capital City Development Corp
 121 N. 9th Street Suite 501, Boise, Idaho, 83702.
 www.ccdcb Boise.com

Project Number: 23056

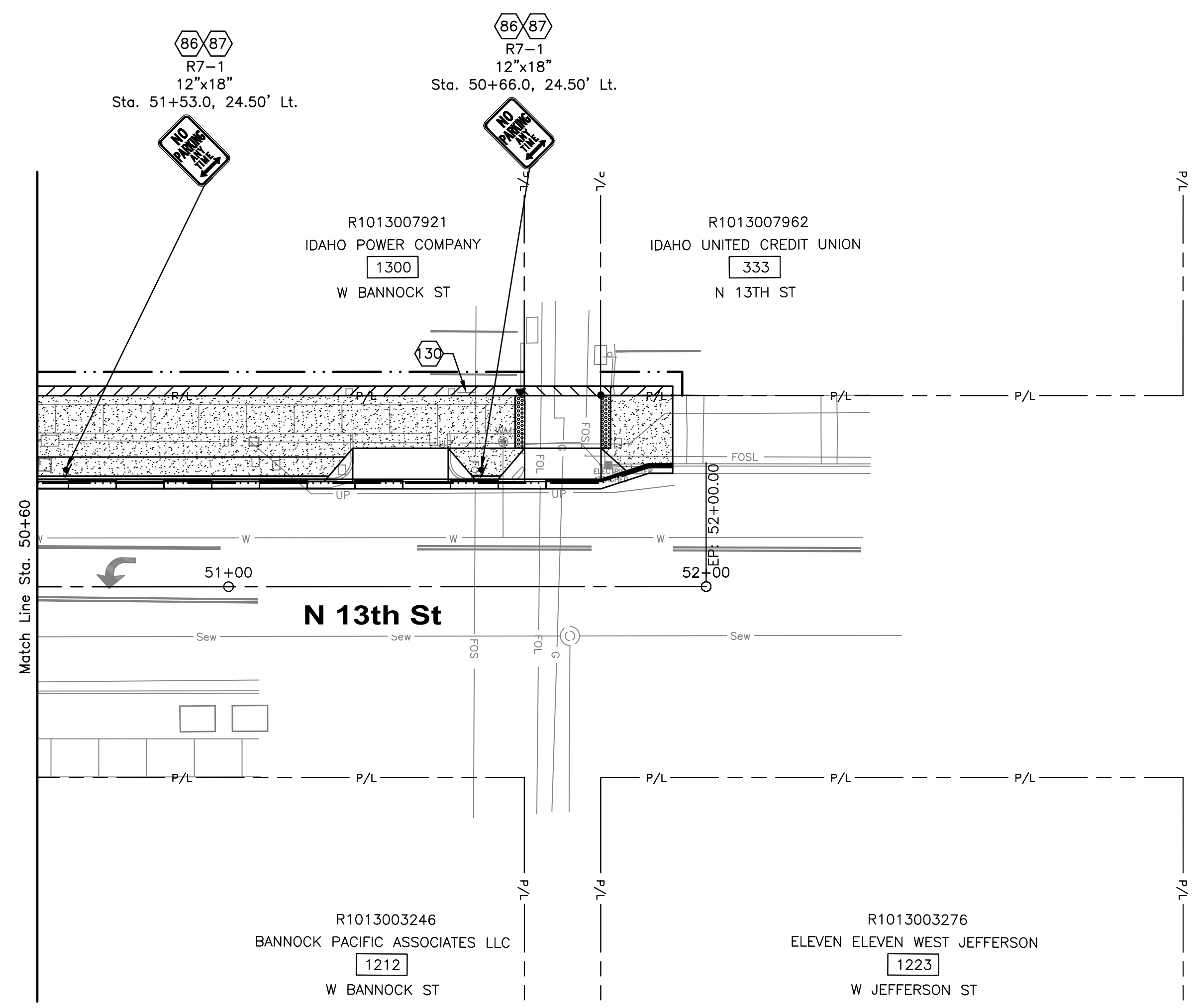
Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet T1.04



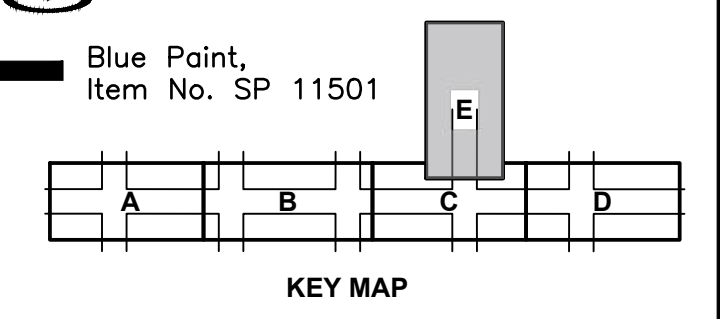
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- 86 Roadside Traffic Sign Installation (One Metal Post), Item 1135.01.01
 - 87 Furnish Roadside Sign Face, Item 1135.01.05
 - 30 Coordinate With Property Owner To Relocate Commercial Sign, Incidental To 201.4.1.C.1
1. See ACHD Standard Details TS-1112 & TS-1113 For Standard Lane Use Pavement Marking Details.
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 8. Sign Removals To Be Shown At 95% Design Submittal



LEGEND

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- 17 — 4" White, Right Edgeline
- 18 — 24" White, 9' Wide -Crosswalk
- 19 — 24" White - Stop Bar
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- 25 — Bike Lane Symbol & Arrow
- 26 — Sharrow
- 30 — Blue Paint, Item No. SP 11501



HDR 412 E. PARKCENTER BLVD. SUITE 100 BOISE, ID 83706

Approval Stamp

60% COMPLETED

• D E T A I L T I T L E •
13th St Signage And Striping Plan

• S I G N A T U R E S •

Revisions:	Design By: J. Bendy	Date: 12/23	Drawn By: HDR	Date: 12/23	Survey By: Civil Survey	Date: 05/23
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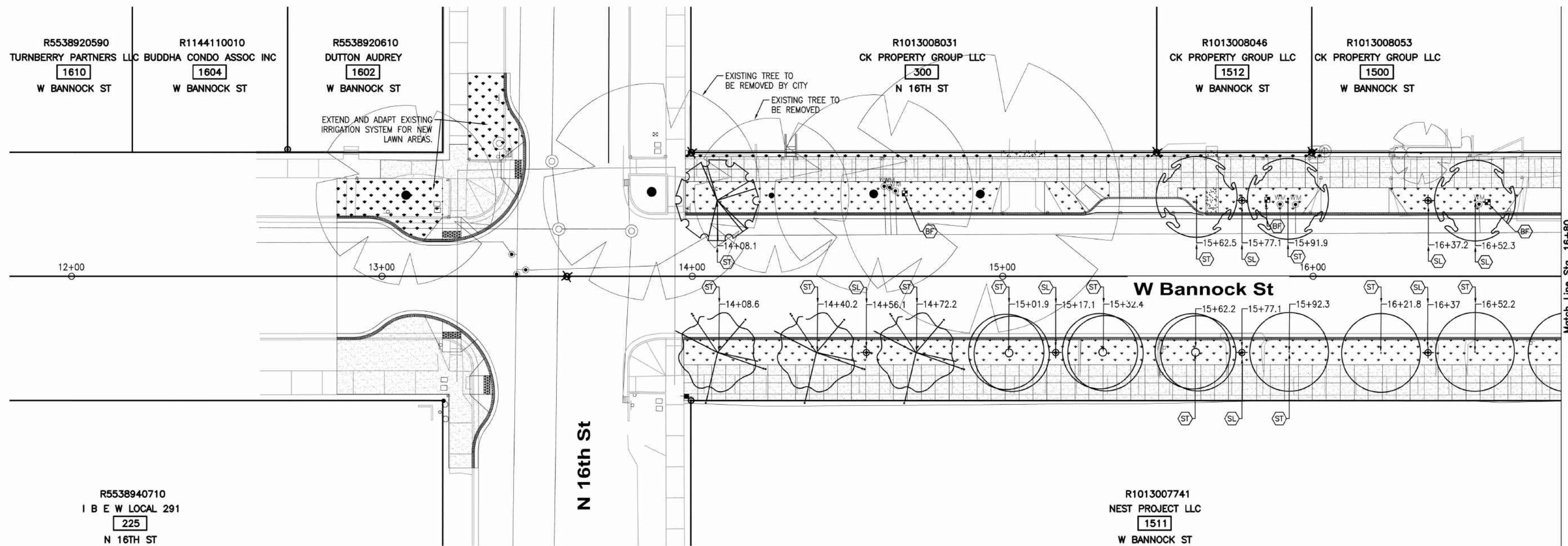
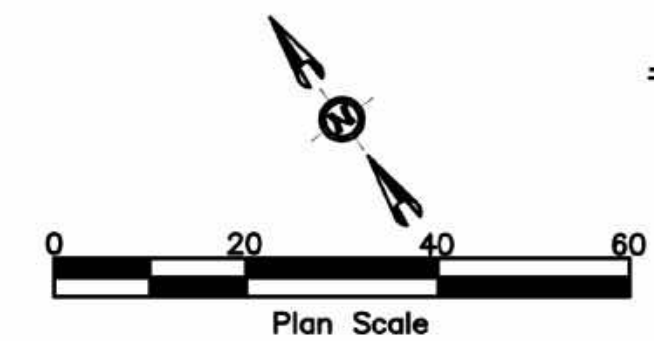
Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdco Boise.com

Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

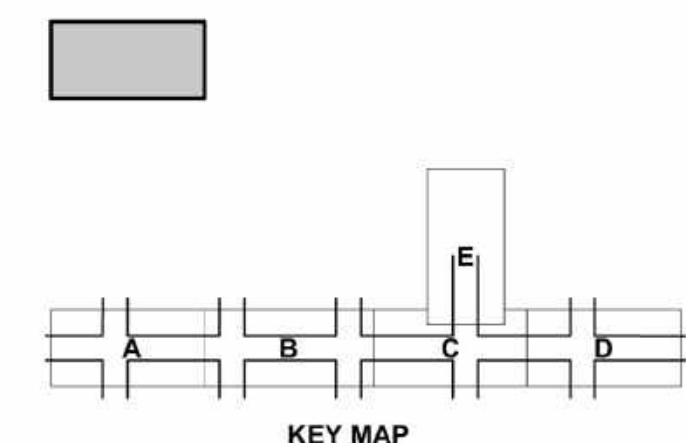
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NOTES



SYMBOL LEGEND

	PROVIDE AND INSTALL HISTORIC LIGHT. SEE ELECTRICAL DRAWINGS.
	INSTALL TREE PER DETAIL 3, SHT L2.2. SEE TREE SCHEDULE, THIS SHT.
	4'x8' TREE WELL. PROVIDE AND INSTALL GRATE & FRAME, AND ROOT BARRIER RE: DETAIL 1, SHT L2.2 AND SPEC SECTION 32.33.00.
	PROVIDE AND INSTALL STANDARD BIKE RACK LOOP. SURFACE MOUNT. POWERCOAT RAL-6009 PER DETAIL 4, SHT L2.2.
	PRE-CAST CONCRETE PLANTER. PLANTED BY DBA. SEET DTL 5, SHT L2.2 & SPECS.
	IRRIGATION POINT OF CONNECTION TO NEW METER. PROVIDE AND INSTALL AN RP BACKFLOW PREVENTER IN STRONGBOX ENCLOSURE, DRIP OR LAWN CONTROL ZONE, AND IRRIGATION CONTROLLER IN TRAFFIC RATED VALVE BOX. SEE NOTES SHT L2.1.
	SODDED LAWN PER DIVISION 32 - EXTERIOR IMPROVEMENTS



CSHQ
Approval Stamp

HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

**60%
COMPLETED**

Revisions:	. S I G N A T U R E S .			
Design By: K.Hemly	Date: 12/08	Drawn By: CSHQA	Date: 12/08	Survey By: CIVIL SURVEY



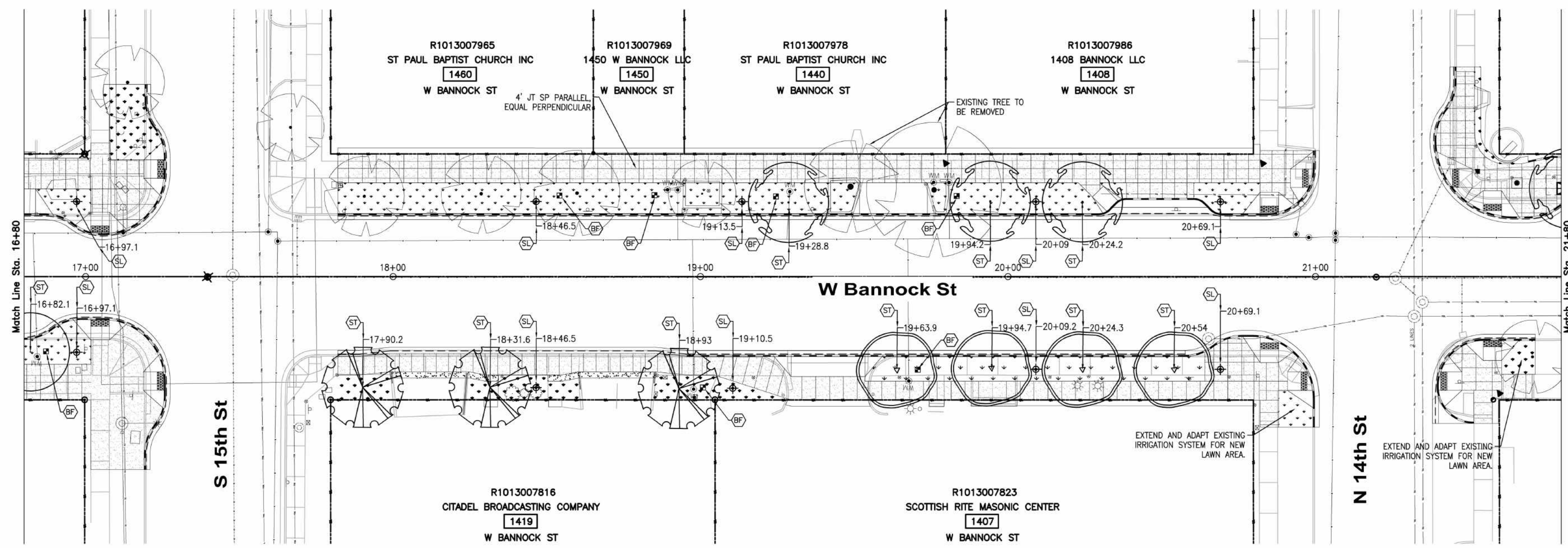
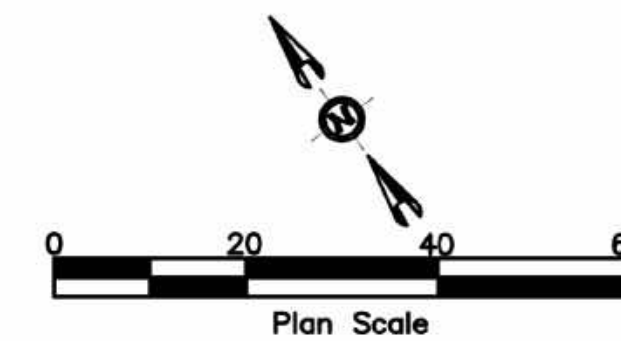
Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdcboise.com

Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

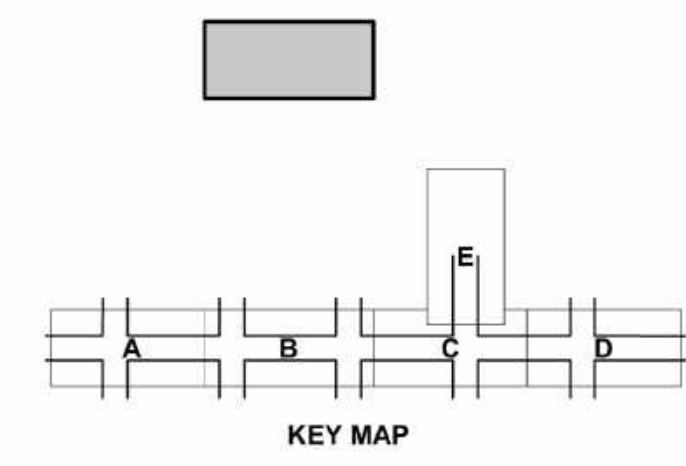
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NOTES



SYMBOL LEGEND

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	4'X8" TREE WELL. PROVIDE AND INSTALL GRATE & FRAME, AND ROOT BARRIER RE: DETAIL 1, SHT L2.2 AND SPEC SECTION 32 33 00.
	PROVIDE AND INSTALL STANDARD BIKE RACK LOOP. SURFACE MOUNT. POWERCOAT RAL-6009 PER DETAIL 4, SHT L2.2.
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	IRRIGATION POINT OF CONNECTION TO NEW METER. PROVIDE AND INSTALL AN RP BACKFLOW PREVENTER IN STRONGBOX ENCLOSURE, DRIP OR LAWN CONTROL ZONE, AND IRRIGATION CONTROLLER IN TRAFFIC RATED VALVE BOX. SEE NOTES SHT L2.1.
	SODDED LAWN PER DIVISION 32 - EXTERIOR IMPROVEMENTS



CSHQ
Approval Stamp

HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

**60%
COMPLETED**

Revisions:	. S I G N A T U R E S .			
Design By: K.Hemly	Date: 12/08	Drawn By: CSHQA	Date: 12/08	Survey By: CIVIL SURVEY Date: 05/23



**Capital City
Development Corp**

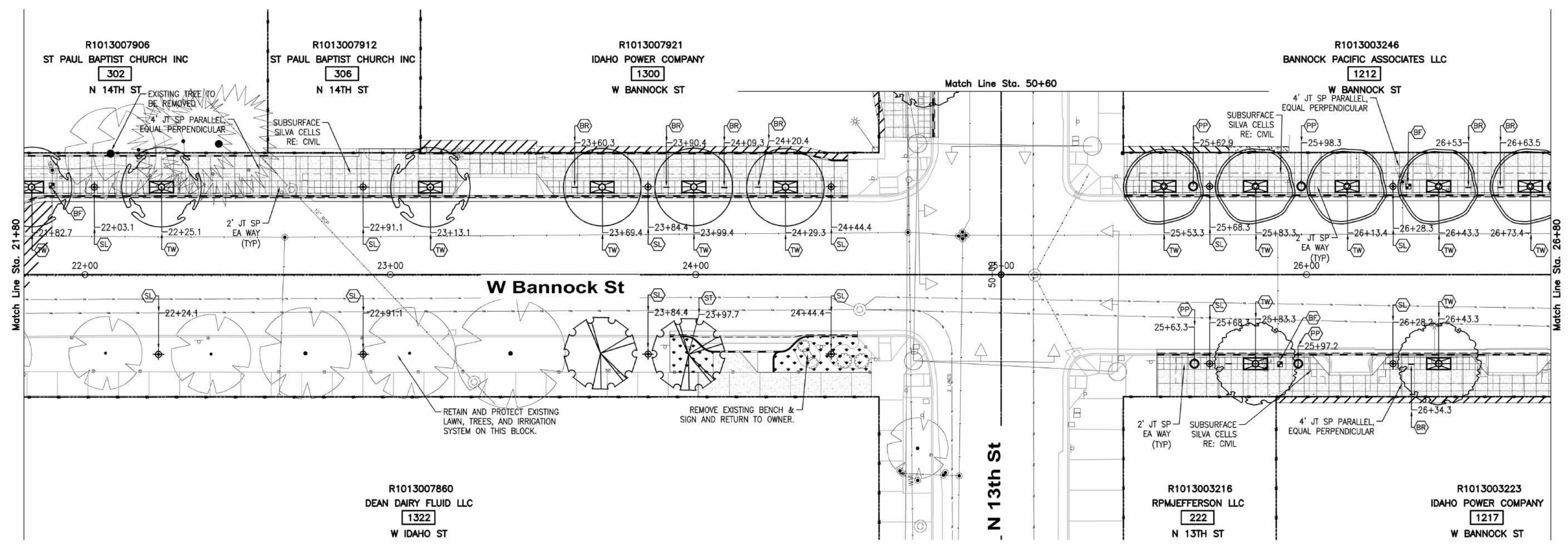
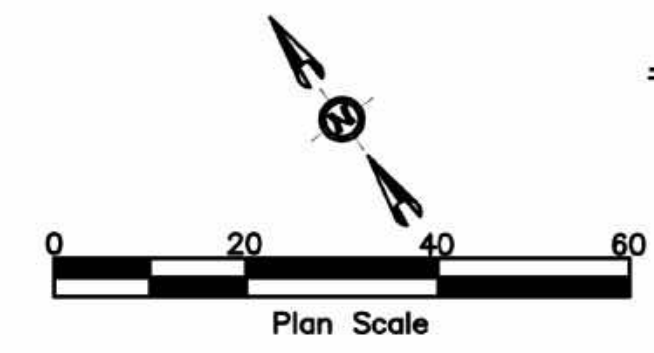
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdboise.com

Project Number: 23056

**Project Name: Bannock Street - 16th to 12th
Streetscape Improvements**

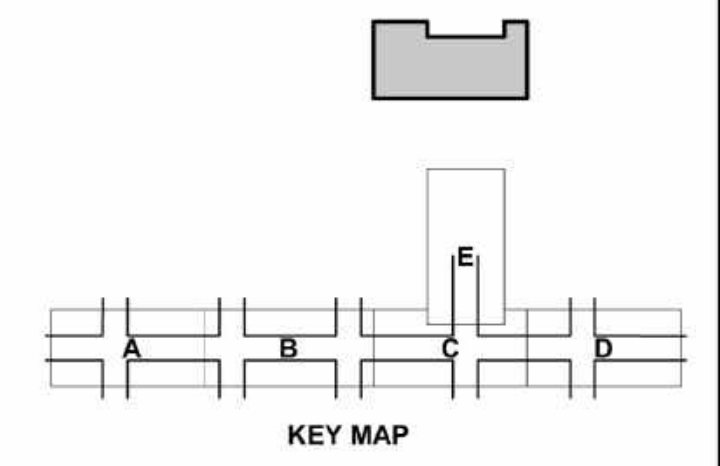
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NOTES



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		SODDED LAWN PER DIVISION 32 - EXTERIOR IMPROVEMENTS



CSHQ
Approval Stamp

HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

**60%
COMPLETED**

Revisions:	SIGNATURES			
Design By: K.Hemly	Date: 12/08	Drawn By: CSHQA	Date: 12/08	Survey By: CIVIL SURVEY Date: 05/23



**Capital City
Development Corp**

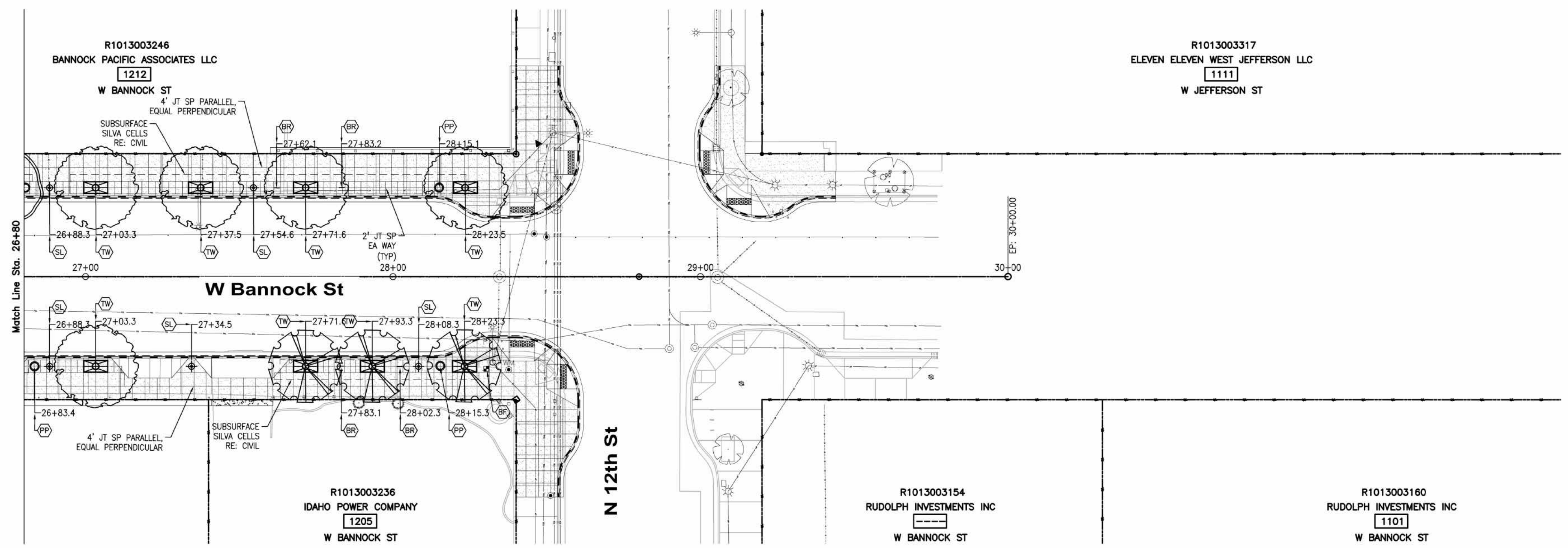
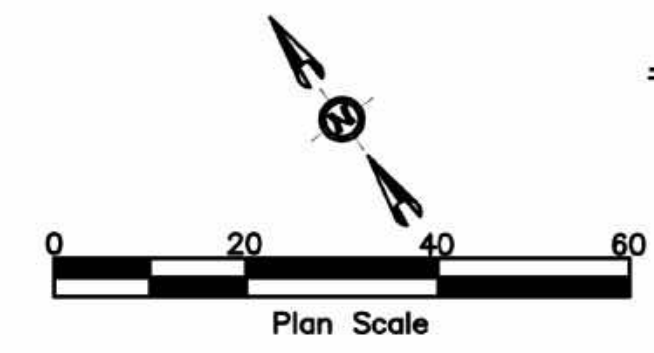
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdcoise.com

Project Number: 23056

**Project Name: Bannock Street - 16th to 12th
Streetscape Improvements**

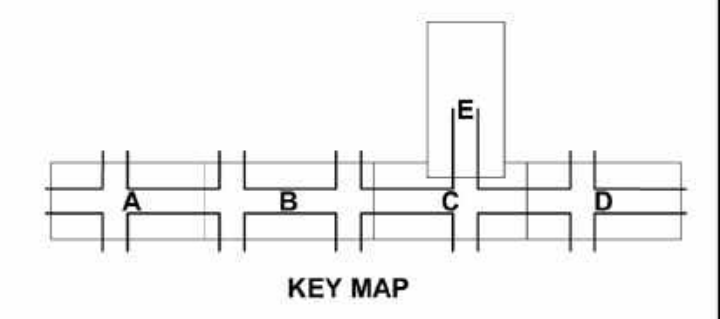
Sheet L1.3

NOTES



SYMBOL LEGEND

		PROVIDE AND INSTALL HISTORIC LIGHT. SEE ELECTRICAL DRAWINGS.
		INSTALL TREE PER DETAIL 3, SHT L2.2. SEE TREE SCHEDULE, THIS SHT.
		4'x8' TREE WELL. PROVIDE AND INSTALL GRATE & FRAME, AND ROOT BARRIER RE: DETAIL 1, SHT L2.2 AND SPEC SECTION 32 33 00.
		PROVIDE AND INSTALL STANDARD BIKE RACK LOOP. SURFACE MOUNT. POWERCOAT RAL-6009 PER DETAIL 4, SHT L2.2.
		PRE-CAST CONCRETE PLANTER. PLANTED BY DBA. SEET DTL 5, SHT L2.2 & SPECS.
		IRRIGATION POINT OF CONNECTION TO NEW METER. PROVIDE AND INSTALL AN RP BACKFLOW PREVENTER IN STRONGBOX ENCLOSURE, DRIP OR LAWN CONTROL ZONE, AND IRRIGATION CONTROLLER IN TRAFFIC RATED VALVE BOX. SEE NOTES SHT L2.1.
		SODDED LAWN PER DIVISION 32 - EXTERIOR IMPROVEMENTS



CSHQ
Approval Stamp

HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

**60%
COMPLETED**

Revisions:	. S I G N A T U R E S .			
Design By: K.Hemly	Date: 12/08	Drawn By: CSHQA	Date: 12/08	Survey By: CIVIL SURVEY Date: 05/23



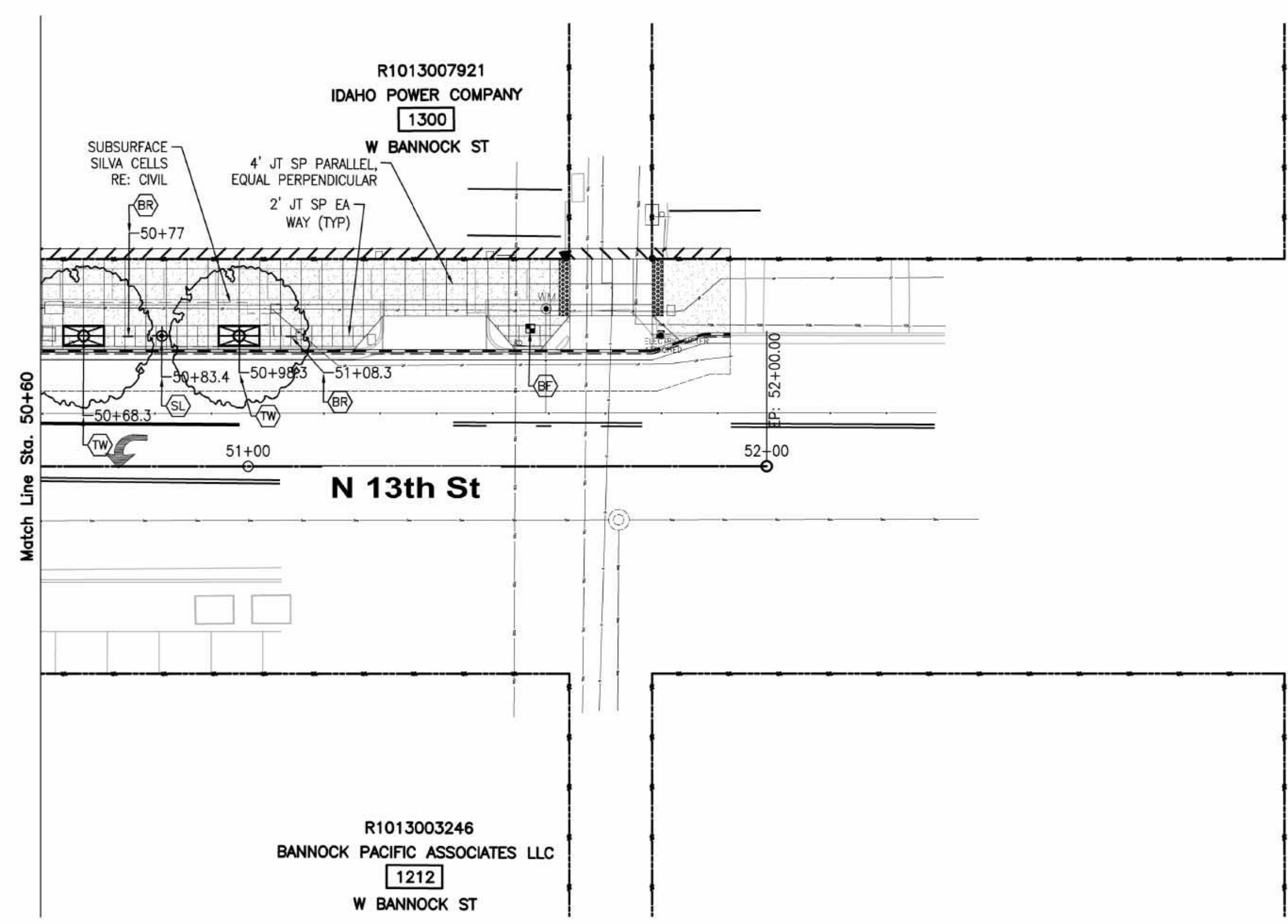
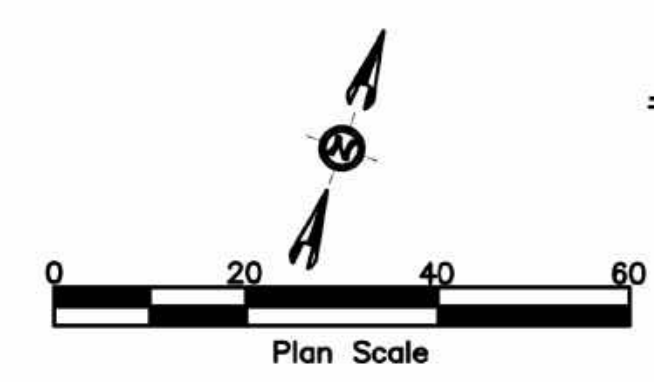
Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

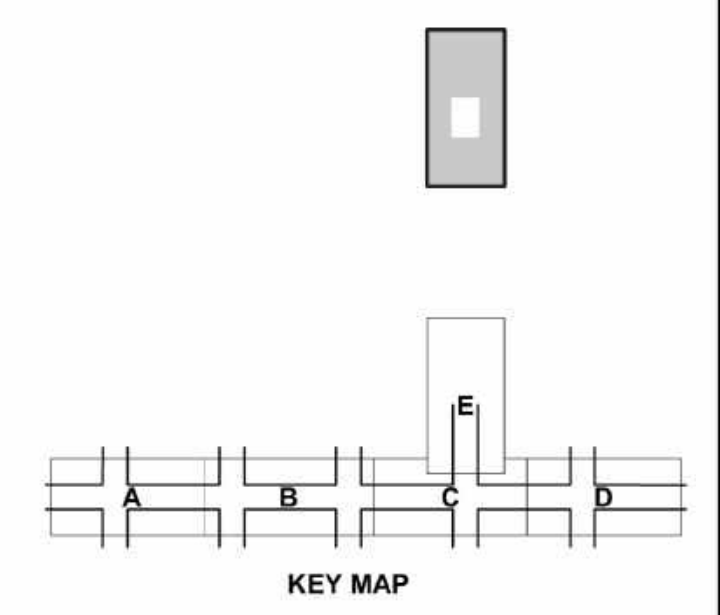
Sheet L1.4

NOTES



SYMBOL LEGEND

		PROVIDE AND INSTALL HISTORIC LIGHT. SEE ELECTRICAL DRAWINGS.
		INSTALL TREE PER DETAIL 3, SHT L2.2. SEE TREE SCHEDULE, THIS SHT.
		4'X8' TREE WELL. PROVIDE AND INSTALL GRATE & FRAME, AND ROOT BARRIER RE: DETAIL 1, SHT L2.2 AND SPEC SECTION 32 33 00.
		PROVIDE AND INSTALL STANDARD BIKE RACK LOOP. SURFACE MOUNT. POWERCOAT RAL-6009 PER DETAIL 4, SHT L2.2.
		PRE-CAST CONCRETE PLANTER. PLANTED BY DBA. SEET DTL 5, SHT L2.2 & SPECS.
		IRRIGATION POINT OF CONNECTION TO NEW METER. PROVIDE AND INSTALL AN RP BACKFLOW PREVENTER IN STRONGBOX ENCLOSURE, DRIP OR LAWN CONTROL ZONE, AND IRRIGATION CONTROLLER IN TRAFFIC RATED VALVE BOX. SEE NOTES SHT L2.1.
		SODDED LAWN PER DIVISION 32 - EXTERIOR IMPROVEMENTS



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SUITE 100
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Revisions:	. S I G N A T U R E S .			
Design By: K.Hemly	Date: 12/08	Drawn By: CSHQA	Date: 12/08	Survey By: Civil Survey
				Date: 05/23

. D E T A I L T I T L E .



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121 N. 9th Street Suite 501, Boise, Idaho, 83702.
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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet L1.5

LANDSCAPE NOTES

- A. LOCATE AND PROTECT ALL UTILITIES DURING CONSTRUCTION UNLESS OTHERWISE NOTED PER CIVIL DWGS. COORDINATE WITH VIOLA WATER, IDAHO POWER, BOISE CITY UT, AND BOISE CITY GEOTHERMAL FOR RELATED UTILITY UPDATES THAT COINCIDE WITH THIS PROJECT. ADJUST EXISTING UTILITIES TO FINISH ELEVATION.
- B. RETAIN AND PROTECT ALL TRAFFIC SIGNAL WIRING AND CONDUIT, OR REPLACE AS NECESSARY IN ACCORDANCE TO ACHD REQUIREMENTS. REFER TO CIVIL DWGS.
- C. ALL WORK SHALL BE IN COMPLIANCE WITH LATEST EDITION ISPMC SPECIFICATIONS & DETAILS AND PROJECT SPECIAL PROVISIONS. REFER TO DIVISION 32 - EXTERIOR IMPROVEMENTS FOR ALL LANDSCAPE AND IRRIGATION INSTALLATION REQUIREMENTS.
- D. REFER TO ELECTRICAL DRAWINGS FOR ALL LIGHTING REQUIREMENTS.
- E. BOISE CITY FORESTRY REQUIRES WITNESSING TREE PLANTING DEMONSTRATION AT FIRST TREE INSTALLATION. REFER TO SPECIFICATION SECTION 32 90 00.
- F. THE CONTRACTOR TO PROVIDE AND INSTALL STREETSCAPE FURNISHINGS PER THE CITY OF BOISE'S DOWNTOWN BOISE STREETSCAPE STANDARDS AND SPEC SECTION 32 33 00 - SITE FURNISHINGS AT LOCATIONS AS INDICATED ON THE DWGS.
- G. RETAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED. ALL EXISTING TREES TO REMAIN SHALL BE PROVIDED TEMPORARY IRRIGATION WATER FOR THE DURATION OF CONSTRUCTION.
- H. IMMEDIATELY AFTER AWARD OF CONTRACT, NOTIFY THE ARCHITECT OF AVAILABILITY OF SPECIFIED PLANT MATERIAL FROM COMMERCIAL NURSERIES. IF A SPECIFIED PLANT IS NOT AVAILABLE, THE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS. SUCH CHANGES SHALL NOT ALTER THE ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.
- I. LANDSCAPE INSTALLATION SPECIFICATIONS ARE IN BOOK FORM. CONFORM TO ALL CONDITIONS AND REQUIREMENTS CONTAINED WITHIN. HAVE AVAILABLE ON THE JOB SITE AT ALL TIMES, AND IN CHRONOLOGICAL ORDER, THE PROJECT CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR INSPECTION BY THE ARCHITECT. RETAIN ON SITE ALL OFFICIAL / APPROVED ADDENDUM'S, CHANGE ORDERS, AND / OR CONSTRUCTION CHANGE DIRECTIVES SPECIFIC TO THE LANDSCAPE INSTALLATION.
- J. VERIFY LOCATIONS OF ALL EXISTING UNDERGROUND UTILITY SYSTEMS PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION THAT MAY CAUSE DAMAGE TO SUCH SYSTEMS. CALL 1-800-642-2444 TO LOCATE EXISTING UTILITIES. REPAIR / REPLACE DAMAGED UTILITIES TO THE SATISFACTION OF THE OWNER OR GOVERNING AGENCY, AND AT NO ADDITIONAL COST TO THE OWNER OR INCREASE IN BID AMOUNT.
- K. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL PLANTED AREAS. ALL DELETERIOUS MATERIAL SUCH AS ROCK, TRASH, CONSTRUCTION DEBRIS, AGGREGATE BASE MATERIAL, ASPHALT, ETC., SHALL BE REMOVED PRIOR TO ANY FILL OPERATIONS. RIP SUB GRADE AS PER SPECIFICATIONS. FILL ALL PLANTING AREAS WITH CLEAN EARTHEN FILL, AS PER SPECIFICATIONS. SOIL SHALL BE FREE OF HEAVY, STIFF CLAY AND ANY DELETERIOUS MATERIAL OVER ONE INCH IN SIZE. THE TOP SIX INCHES OF FILL MATERIAL SHALL BE TOPSOIL EQUAL TO THAT REQUIRED IN THE SPECIFICATIONS. CLEAN TOPSOIL STRIPPED FROM SITE MAY BE UTILIZED FOR PLANTER OR TOPSOIL FILL IF PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ARCHITECT.
- L. EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS (WHEN FULLY FLOODED WITH WATER) SHALL DRAIN WITHIN 1 HOUR OF FILLING. ENSURE THAT ALL PLANT PITS HAVE POSITIVE DRAINAGE.
- M. PROVIDE REQUIRED SOIL EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE CONTRACT PERIOD. SHOULD THERE BE EXISTING SOIL EROSION CONDITIONS THAT REQUIRE MITIGATION, NOTIFY THE ARCHITECT IMMEDIATELY.
- N. CONTRACTOR IS RESPONSIBLE TO REPAIR ALL LANDSCAPE PLANTING AREAS DAMAGED AS A RESULT OF NEW CONSTRUCTION. RE: CIVIL PLANS, SITE ELECTRICAL PLANS. REPAIR INCLUDES BUT IS NOT LIMITED TO TREES, SHRUBS GROUNDCOVER AND LAWN; MULCH; TOPSOIL; EDGING; LANDSCAPE FABRIC.

IRRIGATION NOTES

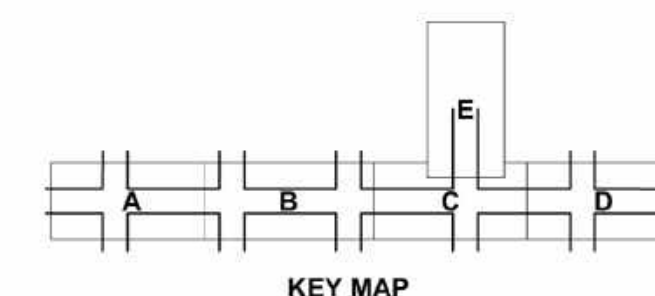
- A. REFER TO SPECIFICATION SECTION 32 84 00 FOR IRRIGATION REQUIREMENTS.
- B. PROVIDE THE FOLLOWING AT EACH POINT OF CONNECTION LOCATION PER PLANS - CONNECT TO NEW OR EXISTING WATER METER FOR IRRIGATION AS NOTED. PROVIDE 1" MANUAL CONTROL VALVE, 3/4" MANUAL DRAIN VALVE AT EACH CONNECTION. PROVIDE PROVISION FOR WINTERIZATION.
- C. IRRIGATION REDUCED PRESSURE BACKFLOW PREVENTER TO BE INSTALLED ABOVE-GROUND AND ENCLOSED IN STRONG BOX ALUMINUM BACKFLOW ENCLOSURE SIZED TO COVER AND LOCK SECURELY. INSTALLATION SHALL BE PER STATE PLUMBING CODES AND ORDINANCES.
- D. IN STREETSCAPE LOCATIONS: CONSTRUCT IRRIGATION SERVICE IN TRAFFIC RATED VALVE BOXES IN APPROVED LOCATION. PROVIDE 3/4" DRIP SYSTEM CONTROL VALVE KIT AND BATTERY OPERATED HUNTER NODE CONTROLLER. SILVA CELL DRIP IRRIGATION TO BE ON DEDICATED ZONE SEPARATE FROM THE TREE IRRIGATION.
- E. IN LAWN LOCATIONS: CONSTRUCT IRRIGATION SERVICE IN TRAFFIC RATED VALVE BOXES IN APPROVED LOCATION. PROVIDE AT LEAST TWO (2) ICV-101G-DC REMOTE CONTROL VALVE ZONES AND BATTERY OPERATED HUNTER NODE CONTROLLER. INSTALL HUNTER PROS-06-PRS30-10 SPRINKLER SPRAY HEADS, PATTERN PER PLAN.
- F. IN SILVA CELL LOCATIONS: INSTALL DRIP LINE BETWEEN SILVA CELL ROWS, 2' O.C. PLACE ON PLANTING SOIL SURFACE TUCKED BETWEEN SILVA CELL TOP DECKS. SILVA CELL DRIP IRRIGATION TO BE ON DEDICATED ZONE SEPARATE FROM THE STREET TREE IRRIGATION. REFER TO CIVIL SILVA CELL DWGS AND DETAILS.
- G. IRRIGATION SUPPLY TO BE 1" CLASS II PVC LATERAL SUPPLY LINES IN 2" SLEEVE, REPRESENTED ON PLANS.
- H. PROVIDE 20' DOUBLE LOOP OF DRIPPERLINE TO EACH TREE. STREET TREE DRIP IRRIGATION TO BE ON DEDICATED ZONE SEPARATE FROM SILVA CELL IRRIGATION.
- I. CAP AND REMOVE ALL EXISTING IRRIGATION FOUND IN STREETSCAPE/LANDSCAPE IMPROVEMENT AREAS. TRACE EXISTING LINES BACK TO IRRIGATION SOURCE TO ENSURE CONNECTIONS HAVE BEEN PROPERLY CAPPED AND ANY IRRIGATED AREAS OUTSIDE THE STREETSCAPE WORK LIMITS ARE RETAIN, ADJUSTED TO PROVIDE IRRIGATION FOR RESULTANT OFF-SITE LANDSCAPE AREA, AND PROTECTED.
- J. CONFIRM IRRIGATION CONNECTION PSI IS ADEQUATE PRIOR TO COMMENCING WORK. SHOULD THE PSI BE LESS THAN THIS, NOTIFY THE ARCHITECT IMMEDIATELY. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- K. CONTRACTOR SHALL NOT INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT SITE CONDITIONS INHIBIT THE SPRINKLER SYSTEM FROM PERFORMING AS INTENDED. IN THE EVENT THAT THE ARCHITECT IS NOT NOTIFIED IN WRITING THAT SUCH CONDITIONS EXIST, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY.
- L. DRAWINGS ARE CONCEPTUAL IN NATURE. ACTUAL PLACEMENT OF SPRAY HEADS, VALVES, LINES, ETC. WILL VARY. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM EDGE OF PAVEMENT FOR EASE OF ACCESS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING A WORKING SYSTEM THAT MAINTAINS PROPER COVERAGE, EVEN IF MINOR ADJUSTMENTS ARE NECESSARY. NO IRRIGATION WATER IS TO SPRAY ON BUILDING WALLS, SIGNS, OR SIDEWALKS.
- M. IF CIRCUIT PIPE SIZES ARE NOT SHOWN ON THE DRAWING, THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO SIZE CIRCUIT PIPING. WATER VELOCITY IN ALL PIPES SHALL NOT EXCEED FIVE FEET PER SECOND. MINIMUM PIPE SIZE TO BE 1". POLYETHYLENE PIPE SHALL NOT BE USED.
- N. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVES UNDER ALL ROADWAY, PARKING, AND WALKWAY SURFACES. EXTEND 6" MINIMUM BEYOND SURFACE EDGE. IDENTIFY ENDPOINTS OF SLEEVING. REPORT ALL PROPOSED CHANGES IN SYSTEM DESIGN TO THE ARCHITECT PRIOR TO INSTALLATION.
- O. CONTRACTOR IS RESPONSIBLE TO REPAIR ALL EXISTING IRRIGATION COMPONENTS DAMAGED AS A RESULT OF NEW CONSTRUCTION, INCLUDING ADJACENT PROPERTIES. RE: CIVIL PLANS, SITE ELECTRICAL PLANS. REPAIR INCLUDES BUT IS NOT LIMITED TO PIPING; VALVES; HEADS; DRIP COMPONENTS; CONTROL WIRES AND EQUIPMENT; AND SLEEVES.

TREE LEGEND

SYM	COMMON NAME BOTANICAL NAME	PLANTING SIZE
TREES		
	Swamp White Oak <i>Quercus bicolor</i> 'American Dream'	2.5" CAL B&B Class III
	Skyline Honeylocust <i>Gleditsia triacanthos inermis</i> 'Skyline'	2.5" CAL B&B Class II
	Princeton Elm <i>Ulmus</i> 'Princeton'	2.5" CAL B&B Class III
	Kentucky Coffeetree <i>Gymnocladus dioica</i> 'Espresso'	2.5" CAL B&B Class III
	State Street Maple <i>Acer miyabei</i> 'Morton'	2.5" CAL B&B Class II
	American Sweetgum <i>Liquidambar styraciflua</i>	2.5" CAL B&B Class II
	Red Oak <i>Quercus rubra</i>	2.5" CAL B&B Class III

SYMBOL LEGEND

	PROVIDE AND INSTALL HISTORIC LIGHT. SEE ELECTRICAL DRAWINGS.
	INSTALL TREE PER DETAIL 3, SHT L2.2. SEE TREE SCHEDULE, THIS SHT.
	4'x8' TREE WELL. PROVIDE AND INSTALL GRATE & FRAME, AND ROOT BARRIER RE: DETAIL 1, SHT L2.2 AND SPEC SECTION 32 33 00.
	PROVIDE AND INSTALL STANDARD BIKE RACK LOOP, SURFACE MOUNT. POWERCOAT RAL-6009 PER DETAIL 4, SHT L2.2.
	PRE-CAST CONCRETE PLANTER. PLANTED BY DBA. SEET DTL 5, SHT L2.2 & SPECS.
	IRRIGATION POINT OF CONNECTION TO NEW METER. PROVIDE AND INSTALL AN RP BACKFLOW PREVENTER IN STRONGBOX ENCLOSURE, DRIP OR LAWN CONTROL ZONE, AND IRRIGATION CONTROLLER IN TRAFFIC RATED VALVE BOX. SEE NOTES SHT L2.1.
	SODDED LAWN PER DIVISION 32 - EXTERIOR IMPROVEMENTS



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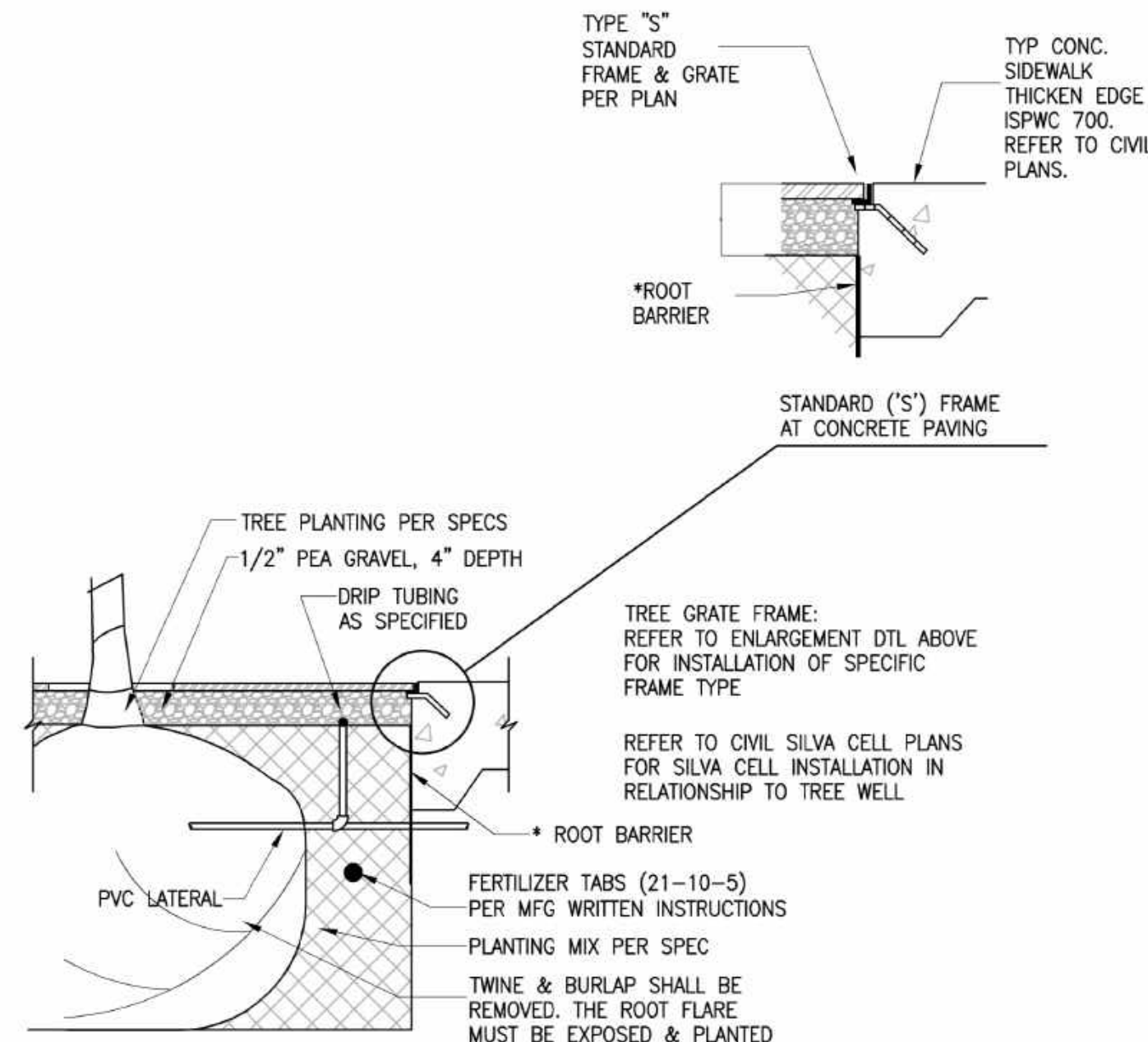
HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

• D E T A I L T I T L E •

60%
COMPLETED

• S I G N A T U R E S •

Design By: K.Hemly Date: 12/08 Drawn By: CSHQA Date: 12/08 Survey By: CIVIL SURVEY Date: 05/23



* INSTALL DEEPROOT ROOT BARRIER (OR APPROVED EQUAL) THAT EXTENDS 18" BELOW THE SUB GRADE ON THE SIDEWALK SIDE AND 24" BELOW THE SUB GRADE ON THE CURB SIDE. SEE SILVA CELL DETAIL ON CIVIL PLANS FOR ROOT BARRIER DEPTH.

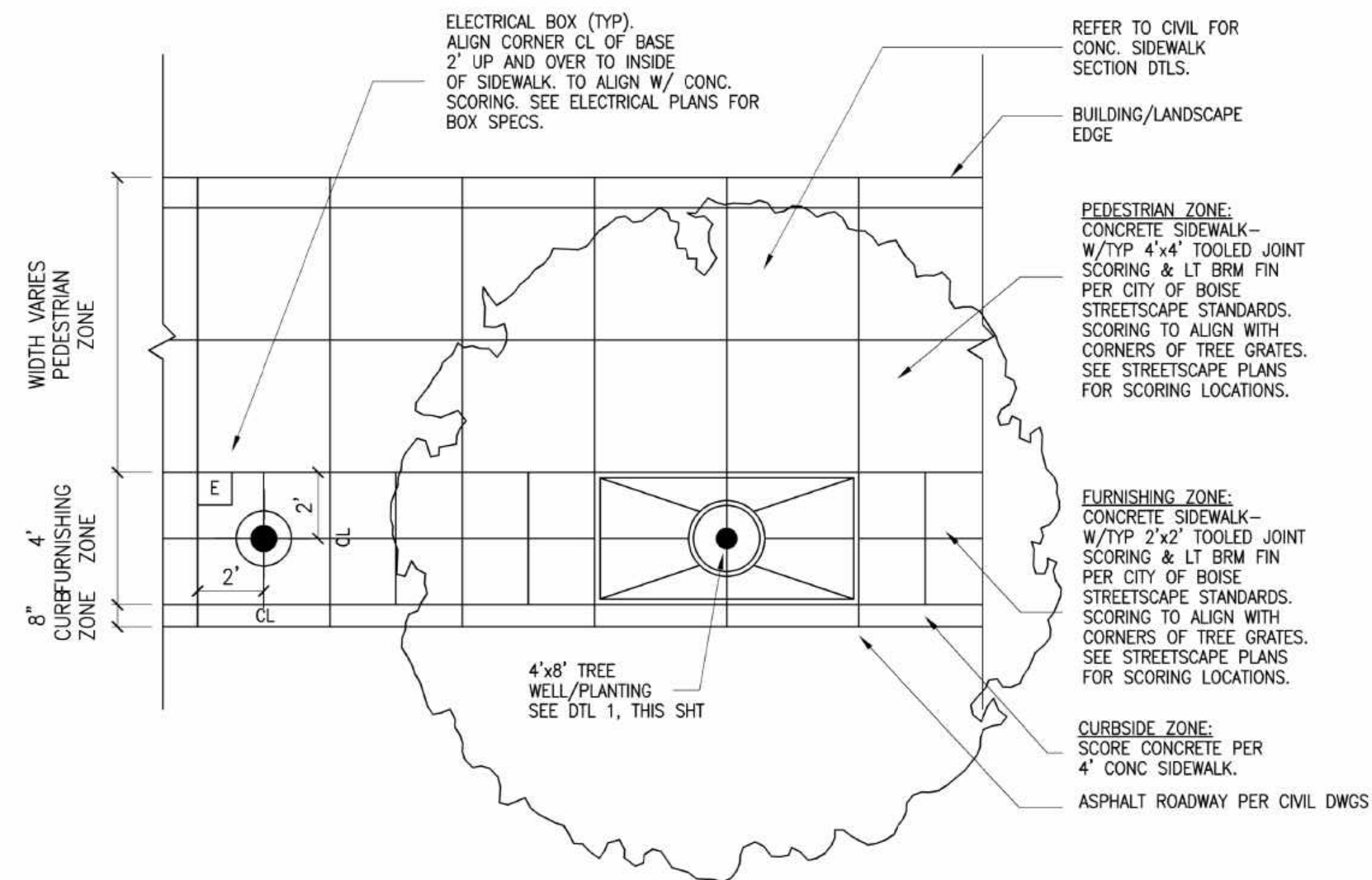
INSTALL xxxxxx (xx) TOTAL CAST-IN-PLACE 4'x8' TREE GRATES AND FRAMES. TO BE "KIVA" CAST IRON, NATURAL RAW FINISH BY URBAN ACCESSORIES. CONTACT: NORTHWEST RECREATION (503-248-7770).

FRAMES: xxxxxx (xx) - TYPE :S: STANDARD CONCRETE FRAME (ALL 4 SIDES)

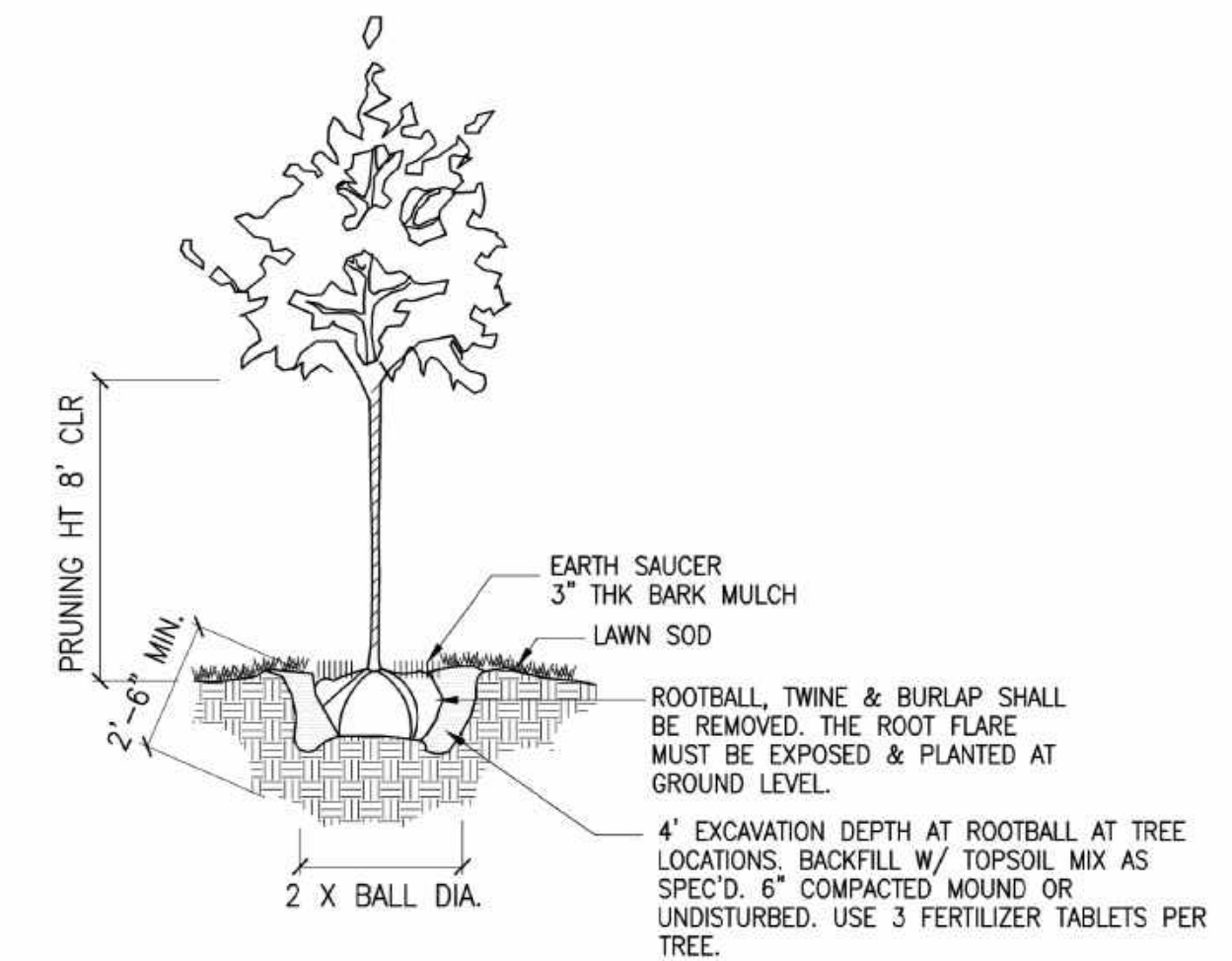
REFER TO TREE LIST SHT L2.1 FOR STREET TREE SPECIES AND SIZE. BOISE CITY FORESTRY REQUIRES WITNESSING TREE PLANTING DEMONSTRATION AT FIRST TREE INSTALLATION.

REFER TO SPECIFICATION DIVISION 32 FOR LANDSCAPE PREPARATION AND INSTALLATION REQUIREMENTS.

1 TREE WELL SECTION
SCALE: NOT TO SCALE



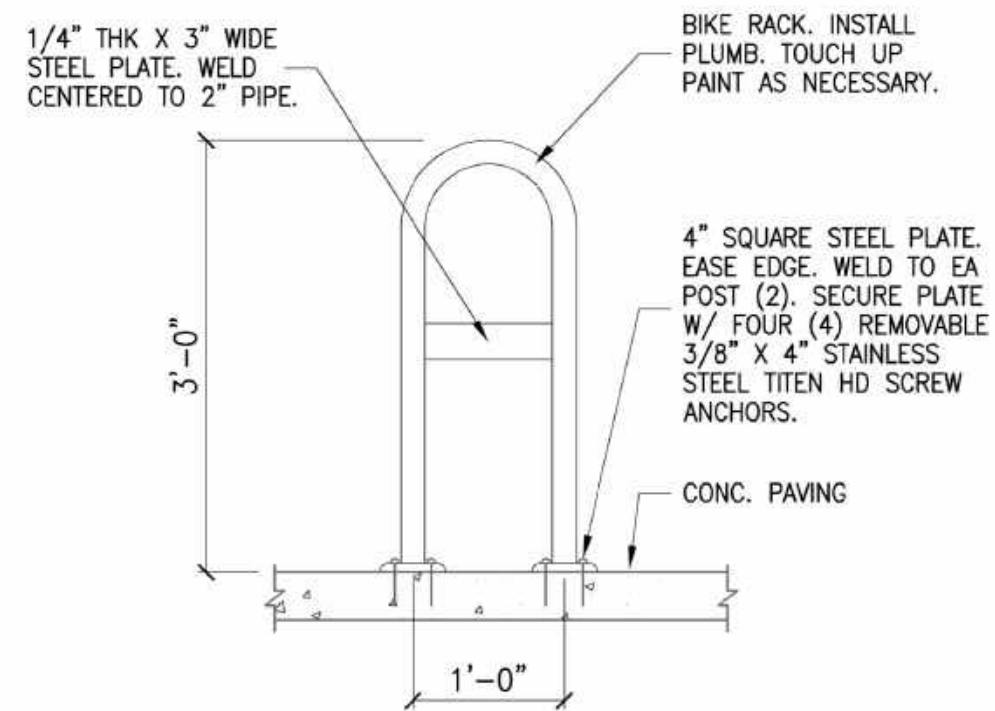
2 CONCRETE STREETScape PAVING PATTERN
NOT TO SCALE



REFER TO TREE LIST SHT L2.1 FOR STREET TREE SPECIES AND SIZE. BOISE CITY FORESTRY REQUIRES WITNESSING TREE PLANTING DEMONSTRATION AT FIRST TREE INSTALLATION.

REFER TO SPECIFICATION DIVISION 32 FOR LANDSCAPE PREPARATION AND INSTALLATION REQUIREMENTS.

3 TREE PLANTING IN LAWN
NOT TO SCALE

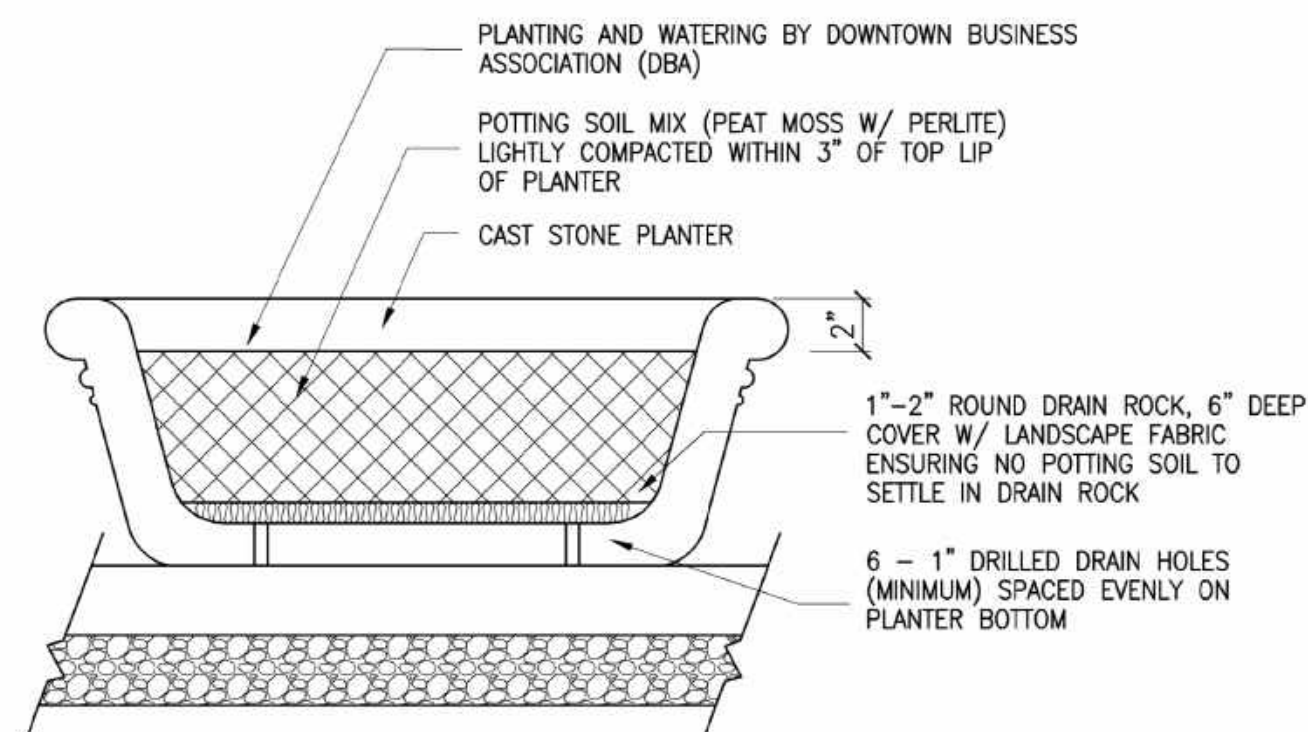


SURFACE MOUNT

BIKE RACKS O BE "SINGLE BEND" BIKE RACK OR APPROVED EQUAL. 2 BIKE CAPACITY. 2" ROUND SCHEDULE 40 STEEL PIPE. BEND TO FORM & DIMENSIONS AS SHOWN. FINISH: POWDERCOAT RAL-6009. CONCRETE SURFACE MOUNT. 36" SPACING BETWEEN BIKE RAKS TYP. SEE SPEC SECTION 32 33 00 - SITE FURNISHINGS.

LOCATIONS: AS SHOWN ON PLAN.

4 BIKE RACK
NOT TO SCALE

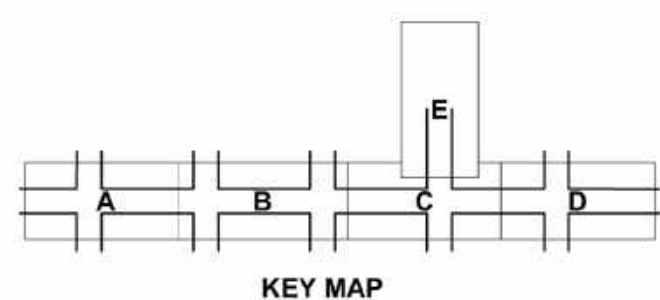


BOISE CITY STANDARD 3-FOOT ROUND x 17-INCH HEIGHT CAST STONE PLANTER. BY IDAHO PRECAST CONCRETE, NAMPA, ID (208) 461-6300. OR EQUIVALENT AS APPROVED BY BOISE CITY. SEE SPEC SECTION 32 33 00 - SITE FURNISHINGS.

REUSE EXISTING PLANTERS REMOVED FROM SITE FOR DEMO, IF POSSIBLE.

LOCATIONS: AS SHOWN ON PLAN.

5 MOVABLE PLANTER
NOT TO SCALE



KEY MAP

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BOISE, ID 83706

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Revisions:	. S I G N A T U R E S .			
Design By: K.Hemly	Date: 12/08	Drawn By: CSHQA	Date: 12/08	Survey By: CIVIL SURVEY
				Date: 05/23

ELECTRICAL LEGEND - LIGHTING

REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE.

- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
- RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
- ROUND LIGHT FIXTURE
- ROUND EMERGENCY LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED EMERGENCY LIGHT FIXTURE.
- POLE LIGHT 1 HEAD WITH POLE
- TIME CLOCK
- PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
- OCCUPANCY SENSOR, PROVIDE RELAYS AND POWER PACKS AS REQUIRED
- LED DRIVER
- EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS, CONNECT TO AN UNSWITCHED CONDUCTOR.
- EMERGENCY EGRESS LIGHTING, CONNECT TO AN UNSWITCHED CONDUCTOR.
- xxx INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
- EXTERIOR WALL PACK
- EMERGENCY EXTERIOR WALL PACK, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR

DEVICES

- SI** SWITCH, TYPE AS INDICATED. +48" AFF
 - 2 DOUBLE POLE
 - 3 3-WAY
 - 4 4-WAY
 - K KEYED
 - P PILOT LIGHT
 - D DIMMER
 - HP HORSEPOWER RATED
 - TO THERMAL OVERLOAD
 - LV LOW VOLTAGE
 - OS OCCUPANCY SENSOR
 - OR LOW VOLTAGE, MOMENTARY OVERRIDE
 - V VACANCY SENSOR
 - VS SUPERScript INDICATES LIGHTS TO BE SWITCHED TOGETHER
- SS** DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- SSs** DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- SINGLE CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT SINGLE CONVENIENCE OUTLET
- DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT DUPLEX CONVENIENCE OUTLET
- EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET
- FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET
- CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO
- FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR REQUIREMENTS
- FLOOR MOUNTED JUNCTION BOX
- JUNCTION BOX
- WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
- TRANSFORMER
- PANELBOARD, SEE SCHEDULE FOR TYPE.
- EQUIPMENT CABINET, SURFACE MOUNTED
- EQUIPMENT CABINET FLUSH MOUNTED

ONE LINE

- DELTA WYE TRANSFORMER UNO
- #** PANEL NAME
VOLTAGE
PHASE
PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE
- ##A**
#P CIRCUIT BREAKER, SIZE AND POLES INDICATED
- ##A**
#P FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE
- ##A**
#P INTERRUPTER SWITCH, SIZE AND POLES INDICATED
- ##A**
#P FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED
- GROUND
- SHUNT TRIP COIL
- HAND HOLE
- HIGH INTENSITY DISCHARGE
- MOTOR
- 100A**
3P DISCONNECT SWITCH, SIZE AND POLES INDICATED, NEMA 1 UNO
- OVERHEAD SERVICE DROP
- METER AND BASE
- NEUTRAL
- TRANSFORMER
- PAD MOUNT TRANSFORMER

ELECTRICAL ABBREVIATIONS

- A AMPERES
- AC AFF 6" ABOVE BACKSPLASH ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AIC AMPS INTERRUPTING CAPACITY
- AT AMP TRIP
- AWG AMERICAN WIRE GAUGE
- C CEILING MOUNTED CONDUIT
- CB CIRCUIT BREAKER
- CF COMPACT FLUORESCENT
- CKT CIRCUIT
- CO CONDUIT ONLY, PROVIDE PULL-LINE
- CT CURRENT TRANSFORMER
- CTL CONTROL
- (D) DEMOLITION
- DEMO DEMOLITION DETAIL
- E EMERGENCY
- (E) EXISTING
- EC ELECTRICAL CONTRACTOR
- F FUSE
- (F) FUTURE
- G/GND GROUND
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GFI GROUND FAULT INTERRUPTER
- HH HAND HOLE
- HID HIGH INTENSITY DISCHARGE
- HVAC HEATING, VENTILATION, & AIR CONDITIONING
- IPCO IDAHO POWER COMPANY
- J-BOX JUNCTION BOX
- KA KILOAMP
- KVA KILO VOLT-AMP
- KW KILOWATT
- MB MAIN BREAKER
- MBR MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY MOUNTING
- N NEUTRAL
- (N) NEW
- NC NORMALLY CLOSED
- NEC NATIONAL ELECTRICAL CODE
- NIC NOT IN CONTRACT
- NO NORMALLY OPEN
- NTS NOT TO SCALE
- OH OVERHEAD
- P POLES
- PC PHOTO-CONTROL
- PVC POLYVINYL CHLORIDE
- PWR POWER
- RE: REFERENCE
- REC RECEPTACLE
- (R) RELOCATED
- SF SQUARE FEET
- (TYP.) TYPICAL
- UG UNDERGROUND
- UG S UNDERGROUND SECONDARY BY IDAHO POWER CO.
- U.N.O. UNLESS NOTED OTHERWISE
- V VOLT
- VA VOLT-AMPERE
- W WATT
- WP WEATHER PROOF/NEMA 3R
- XFMR TRANSFORMER
- PROVIDED/ PROVIDE AND INSTALL / PROVIDED AND INSTALLED BY / PROVIDED AND INSTALLED
- NOTE: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

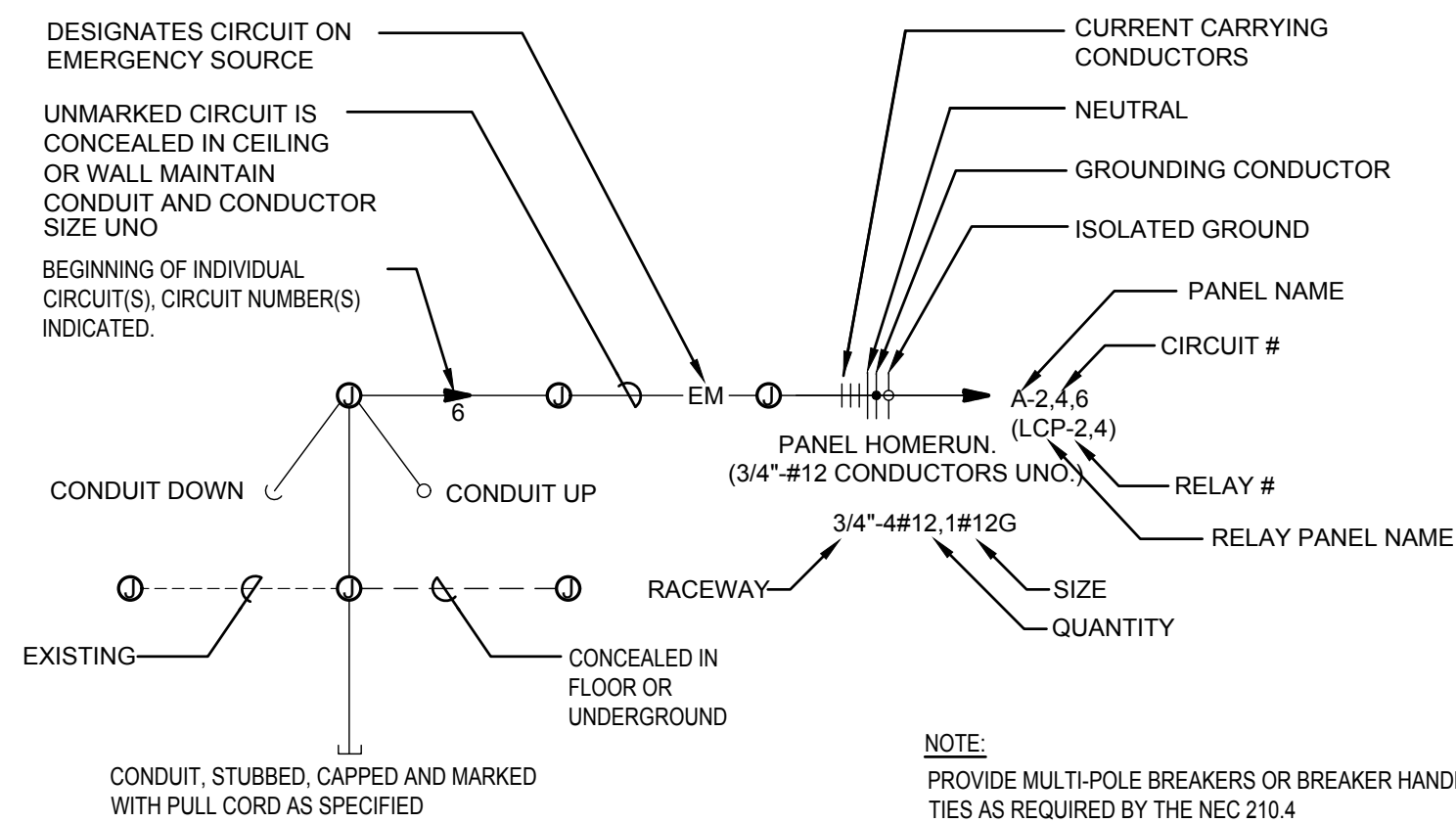
ELECTRICAL GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.
 - B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
 - C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.
 - D. PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.
 - E. TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.
 - F. MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- DEMO:
- G. THE ELECTRICAL DEMOLITION DRAWING(S) PROVIDED ARE INTENDED TO ASSIST THE ELECTRICAL CONTRACTOR IN ESTABLISHING AREAS REQUIRING DISCONNECTION, REMOVAL, OR RELOCATION OF ELECTRICAL EQUIPMENT, OUTLETS, WIRING, DEVICES, FIXTURES, ETC. AND MAY NOT INDICATE ALL DEVICES OR THE FULL EXTENT OF DEMOLITION AND RECONNECTION WHICH MAY BE REQUIRED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY EXAMINE ALL REQUIRED DEMOLITION WORK AND INCLUDE ALL LABOR AND INCIDENTALS THAT WILL BE NECESSARY TO PERFORM DEMOLITION RECONNECTION AND TEMPORARY POWER CONNECTIONS IN THE BID.
 - H. ALL ELECTRICAL DEVICES AND WALLS INDICATED ON THE ELECTRICAL DEMOLITION DRAWING(S) ARE TO REMAIN UNLESS OTHERWISE NOTED.

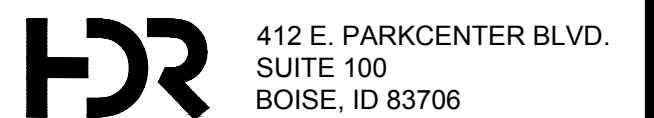
Boise City Street Light Plan Review Requirements

1. CONTRACTORS INSTALLING LIGHTING WILL BE REQUIRED TO CONTACT BOISE CITY PUBLIC WORKS INSPECTION SECTION 48 HOURS PRIOR TO SCHEDULE THE PRELIMINARY INSPECTION PRIOR TO PLACING CONCRETE OR COVERING CONDUITS. IN ADDITION, THE ELECTRICAL CONTRACTOR IS REQUIRED TO CALL 24 HOURS IN ADVANCE TO SCHEDULE A FINAL INSPECTION BY THE BOISE CITY PUBLIC WORKS INSPECTION SECTION AFTER ALL WORK HAS BEEN COMPLETED. ELECTRICAL CONTRACTOR MUST BE PRESENT AT FINAL INSPECTION (CALL 388-4725 TO SCHEDULE AN INSPECTION). FOR METERED SERVICES, AN ADDITIONAL INSPECTION IS REQUIRED BY THE ELECTRICAL INSPECTOR HAVING JURISDICTION AT THE PROJECTS LOCATION, BOISE CITY.
2. DEVELOPER OR ELECTRICAL CONTRACTOR IS REQUIRED UPON COMPLETION OF ALL FINAL INSPECTIONS TO NOTIFY BOISE CITY PUBLIC WORKS STREET LIGHTING SECTION AT 208-388-4719 WHEN READY FOR POWER ENERGIZING TO NEWLY INSTALLED STREET LIGHTS WITH IN THE CITY LIMITS. PROVIDE THE CONTRACTOR'S NAME AND SUBDIVISION NAME.
3. ALL STREET LIGHTS SHALL BE INSTALLED PER ISPPWC, NEC CODES, ACHD CODES FOR WORKING WITH IN THE PUBLIC RIGHT-OF-WAY, AND BOISE CITY PUBLIC WORKS STREET LIGHT STANDARD REVISIONS TO THE ISPPWC.
4. DEVELOPER SHALL NOT CONNECT, OR ALLOW ANY SUBCONTRACTOR TO CONNECT ANY IRRIGATION TIMERS, DECORATIVE LIGHTING, ENTRANCE LIGHTING, OR OUTLETS OR OTHER ELECTRICAL DEVICES TO ANY STREET LIGHTING CIRCUITS. ANY AND ALL IRRIGATION TIMERS, DECORATIVE LIGHTING, ENTRANCE LIGHTING, OR OUTLETS OR OTHER ELECTRICAL DEVICES SHALL BE CONNECTED DIRECTLY TO IDAHO POWER AT AN IDAHO POWER APPROVED LOCATION VIA A SEPARATE CONDUIT SYSTEM.
5. UNDERGROUND WIRE SHALL BE #6 COPPER, AWG, THWN, 600 VOLT INSULATED (NO ALUMINUM WIRE.)
6. ALL ELECTRICAL CONDUITS SHALL BE SCHEDULE 40, PVC, UL LABELED.
7. A LOCATING WIRE IS REQUIRED IN ALL EMPTY PVC ELECTRICAL CONDUITS.
8. FOR SERVICE CABINET INSTALLATIONS, AN ELECTRICAL PERMIT IS REQUIRED FROM BOISE CITY BUILDING DEPARTMENT.
9. ALL NEW UNDERGROUND CONDUIT FOR ALL STREET LIGHTING BETWEEN PULL BOXES SHALL BE A MINIMUM OF (2)2" CONDUITS. PROVIDE A MINIMUM (2)1" CONDUITS BETWEEN PULL BOXES AND THE ADJACENT LIGHT POLE. 18" MAX INSTALLATION OFFSET BEHIND BACK OF SIDEWALK. ALL CONDUITS SHOWN ARE NEW.
10. REFER TO HISTORICAL STREET LIGHT POLE DETAILS, METERED UTILITY PEDISTAL DETAIL AND THE BOISE CITY
11. REFER TO SPECIFICATIONS AND STANDARDS ON SHEET EG-2 THROUGH EG-7.

CIRCUITING SYMBOLS



NOTE: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.



60% COMPLETED

Revisions:	Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23
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• D E T A I L T I T L E •
ELECTRICAL COVER SHEET



Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdco Boise.com

Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet EG-1

www.cityofboise.org
tmarsh@cityofboise.org

P: 208-608-7526
F: 208-384-3905

JUNCTION BOXES
Effective May 18, 2017

Note: Junction boxes used at the service connections to Idaho Power must not have a metal lid.

SIDEWALK/ROADWAY AREA JUNCTION BOXES WITH STEEL LIDS

Manufacturer	Use Locations	Part Number
Idaho PrecastConcrete	Roadway, Driveway Sidewalk	S-40T ADA S-40T

SIDEWALK AREA JUNCTION BOXES POLYMER CONCRETE MATERIAL

(May be used for service connections to Idaho Power)

Manufacturer	Use Locations	Part Number
Carson Industries	Sidewalks	Type H1324-18
Hubbell Pwr System	Sidewalks	PG1324HA00

LANDSCAPE/GRASS AREA JUNCTION BOXES COMPOSITE MATERIAL

(May be used for service connections to Idaho Power)

Manufacturer	Use Locations	Part Number
Carson Industries	Landscape Area (9" Round) Landscape Area (19" x 14")	Carson 910-10-4BE Carson 1419-12-4BE

WIRE CONNECTORS FOR UNDERGROUND



Part Number
1 In / 1 Out
2 Port
3 Port
4 Port
1 In / 2 out



HOMAC USL 30

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F: 208-384-3905

APPROVED PART NUMBER LISTING FOR CITY OF BOISE STREET LIGHTING
Effective 7/1/2021

The following is an approved part number listing for the City of Boise for public street lighting. All lighting projects within the City of Boise and the City of Boise Area of Impact shall use these products or an approved equal. Contact the City of Boise Public Works Street Light Office at (208) 608-7526 to seek approval for products not listed below (approved equal).

Part numbers listed for fixtures are basic and may not indicate the correct color or other features you need. Please verify part numbers with the vendors to ensure you are getting what you want to include the correct mounting hardware and color for your application.

Street light requirements including type, wattage, and pole height will be established by Boise Street Light staff.

STANDARD LIGHT FIXTURES – COBRA HEAD ARTERIAL AND COLLECTOR STREETS

All lighting to meet ANSI C136.15-2011 For Field Wattage Identification and must have a label attached from an OSHA accredited Nationally Recognized Testing Lab.

The preferred photo cell is the DTL 124-1.5 STJ

All light fixtures shall be **warranted for 10 year period** from the date of installation

Class "B" – 9,500 to 11,500 Lumens 130 LPW minimum

	AUTOBAHN Series ATBO	10,260 lm 70 w 148 lpw	ATBO P203 MVOLT R3 BK NL
	AUTOBAHN Series ATBM	11302 lm 81 w 140 lpw	ATBM P10 MVOLT R3 4B BK NL
	Cooper Streetworks Arch Medium	10387 lm 63w 164 lpw	ARCH-M-PA2-60-740-U-T3-BK-20K-PR- 10X
	Cooper Streetworks NVN NAVION	9699 lm 66 w 147 lpw	NVN SA2A 740 U T3 BK 20K PR 10X
	Leotek Green Cobra Midsize	10525 lm 65 w 162 lpw	GCM1 60J MV 40K 3R BK 105 WL LSSP2

www.cityofboise.org
tmarsh@cityofboise.org

P: 208-608-7526
F: 208-384-3905

ROADWAY LIGHT POLES



Description

30 foot black tapered steel pole base mount with a 15 foot minimum mast arm with a class "B" black fixture. Pole height is determined by overall fixture mounting height.

Foundation type "A" with minimum 1" J-bolts that are 36" in length. Base requirements as per drawing ISPWC SD-1109.

The installation shall meet the requirements of ISPWC drawings SD-1109, BC SD-1117, and BC SD-1127.

Application

These light poles are for Arterials, Collector, and Local roads outside of a subdivision.

Approved Poles required by 01/01/2021

Vaimont
DS32-R800A286-15S- FP- BK-SFBC-AB

KW
RTSE30-8.0-11-BLK-115PL-BC

Nova Pole
408-68-SRTA01-F3

OPTIONAL ROADWAY LIGHT POLE



Description

30 to 40-foot black tapered steel pole with a class "B" black fixture.

Foundation type "B" with J-bolts that meet manufactures specifications in size and length. Base requirements as per drawing ISPWC SD-1109 usually "B" for 30 ft or "C" for 40 ft.

The installation shall meet the requirements of ISPWC drawings SD-1109, BC SD-1117, and BC SD-1127.

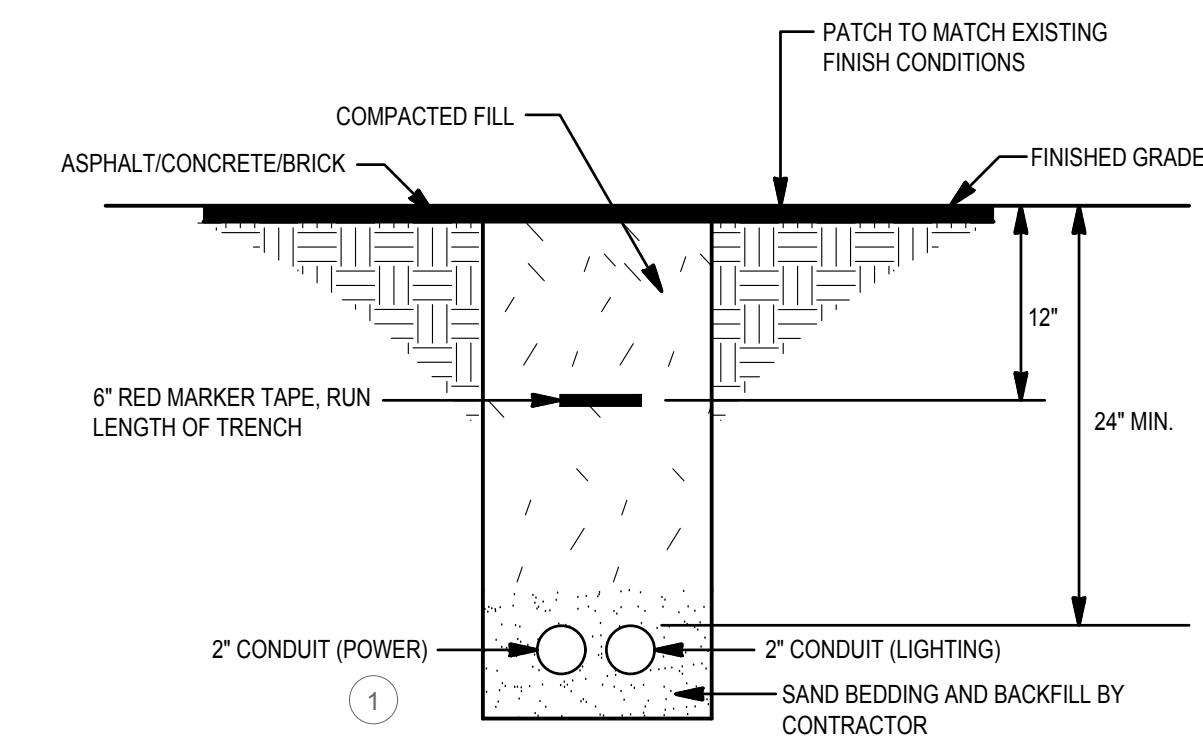
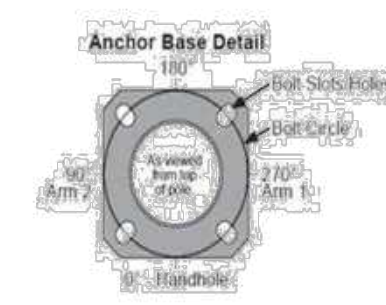
Vaimont 30' Poles
Pole Type P-302
P302-BOISE-FP-BLACK-AB-FBCS-HH (height after first bend 19'4")

KW 30' Poles
Pole Type P-302
RTDP30-6.54-11-BLK-113DA 5BP SBC (height after first bend at 19'5")

Pole Type P-307
P307-BOISE-FP-BLACK-AB-FBCS-HH (height after first bend 12'10")

Pole Type P-307
RTDP30-6.54-11-BLK-113.8DA 5BP SBC (height after first bend at 13'3")

Nova Pole
408-71-SRTA01-F3



DETAIL NOTES:

- IF MULTIPLE CONDUITS SHARE TRENCH, PROVIDE SPACING BETWEEN CONDUITS. PROVIDE ZIP TIES, AND TIE ALL CONDUITS TOGETHER TO ENSURE STABILITY.

1 SITE TRENCHING DETAIL
NTS

www.cityofboise.org
tmarsh@cityofboise.org

P: 208-608-7526
F: 208-384-3905

APPROVED PART NUMBER LISTING FOR CITY OF BOISE STREET LIGHTING
January 2022

The following is an approved part number listing for the City of Boise for public street lighting. All lighting projects within the City of Boise and the City of Boise Area of Impact shall use these products.

Part numbers listed for fixtures have the correct light color and the correct fixture color. Please verify part numbers with the vendors to ensure you are getting what you want to include the correct mounting hardware and color for your application.

Street light requirements including type, wattage, and pole height will be established by Boise Street Light staff.

HISTORICAL POLES and LIGHTS

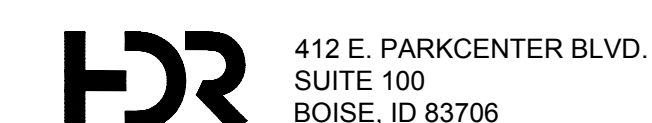
Includes pole, capitol adapter (if applicable), Weatherproof duplex GFCI outlet with TAYMAC bubble cover cat # MX52805 or equal, breakaway banner arm, lower eyelet 51" below banner arm, (4) stainless steel clips with (4) stainless steel screws, and custom hand hole cover with Boise City logo. Historic light poles are exempt from the LED wattage labeling requirement. Light pole and all components shall be RAL 6009 color. **Ten-year fixture warranty required.** All poles will be elevated more than 1" from the ground and they will be grouted.

HISTORIC LIGHT POLES, FIXTURES, and GLOBES

Manufacturer	Holophane	Complete Pole *	Part Number
		Holophane LED Globe, Fixture, Modern base *	GVD3 P20 50K AS M RAL6009 5 NNU RFD256665 5245 Lumens 39 watts 134 lpw
		Pole*	HB120 12-6 L/ABP07CLD107811-XXXXY SXXXXY EXXXY RFD236759
		Banner Arm*	BAB 25B4 DGRG RFD236759
		Eyebolt*	EBBDGRG RFD236759
		Receptacle*	FGIUS-SDGRG RFD236759
		Holophane Globe only	Granville GV5N Glass

LIGHTING FIXTURE SCHEDULE (23-285)						
TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	OR EQUAL BY
PL1	EXTERIOR POLE FIXTURE, HISTORIC	POLE MOUNTED +12'-0"	LED 5000LM 40K	56	SEE APPROVED PART NUMBER LISTING FOR CITY OF BOISE STREET LIGHTING AS SHOWN IN THE PLANS FOR HISTORIC POLES AND LIGHTS	
PL2	EXTERIOR POLE FIXTURE, ROADWAY LIGHT 30' POLE WITH 15' MAST ARM COBRA HEAD COLLECTOR STREET HEAD	POLE MOUNTED +30'-0"	LED 10260LM 40K	70W	SEE APPROVED PART NUMBER LISTING FOR CITY OF BOISE STREET LIGHTING AS SHOWN IN THE PLANS FOR ATERIAL AND COLLECTOR STREET POLES AND LIGHTS	

LIGHTING FIXTURE SCHEDULE NOTES:



Revisions:	Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23
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• D E T A I L T I T L E •
APPROVED EQUIPMENT / DETAILS

60% COMPLETED



Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdcoibose.com

Project Number: 23056

Project Name: Bannock Street – 16th to 12th Streetscape Improvements

Sheet EG-2

Table with 2 columns: Specification text and Reference/Section numbers. Includes sections for PART 1 - GENERAL, PART 2 - PRODUCTS, PART 3 - EXECUTION, PART 1600 - GROUNDING, PART 1610 - WIRING DEVICES, PART 1620 - CONDUIT INSTALLATION, PART 1630 - CONCRETE DUCT BANK CONSTRUCTION, PART 1640 - WIRING DEVICES, PART 1650 - CONDUIT INSTALLATION, PART 1660 - GROUNDING, PART 1670 - CONDUIT INSTALLATION, PART 1680 - CONCRETE DUCT BANK CONSTRUCTION, PART 1690 - WIRING DEVICES, PART 1700 - CONDUIT INSTALLATION, PART 1710 - CONCRETE DUCT BANK CONSTRUCTION, PART 1720 - WIRING DEVICES, PART 1730 - CONDUIT INSTALLATION, PART 1740 - CONCRETE DUCT BANK CONSTRUCTION, PART 1750 - WIRING DEVICES, PART 1760 - CONDUIT INSTALLATION, PART 1770 - CONCRETE DUCT BANK CONSTRUCTION, PART 1780 - WIRING DEVICES, PART 1790 - CONDUIT INSTALLATION, PART 1800 - CONCRETE DUCT BANK CONSTRUCTION, PART 1810 - WIRING DEVICES, PART 1820 - CONDUIT INSTALLATION, PART 1830 - CONCRETE DUCT BANK CONSTRUCTION, PART 1840 - WIRING DEVICES, PART 1850 - CONDUIT INSTALLATION, PART 1860 - CONCRETE DUCT BANK CONSTRUCTION, PART 1870 - WIRING DEVICES, PART 1880 - CONDUIT INSTALLATION, PART 1890 - CONCRETE DUCT BANK CONSTRUCTION, PART 1900 - WIRING DEVICES, PART 1910 - CONDUIT INSTALLATION, PART 1920 - CONCRETE DUCT BANK CONSTRUCTION, PART 1930 - WIRING DEVICES, PART 1940 - CONDUIT INSTALLATION, PART 1950 - CONCRETE DUCT BANK CONSTRUCTION, PART 1960 - WIRING DEVICES, PART 1970 - CONDUIT INSTALLATION, PART 1980 - CONCRETE DUCT BANK CONSTRUCTION, PART 1990 - WIRING DEVICES.

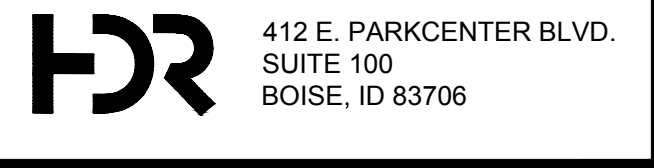


Table with 2 columns: Revisions and Signatures. Includes fields for Design By: NJS, Date: 12/08, Drawn By: NJS, Date: 12/08, Survey By: NJS, Date: 05/23.



Capital City Development Corp, 121 N. 9th Street Suite 501, Boise, Idaho, 83702, www.cdcdboise.com

Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet EG-3

60% COMPLETED

ELECTRICAL SPECIFICATIONS

CONTINUED ON SHEET EG-4

**BOISE CITY
STANDARD REVISIONS
FOR ISPPWC DIVISION 1102
STREET LIGHTS**

GENERAL INFORMATION

All work shall conform to the requirements of the most current edition of the National Electrical Code, the Idaho Standards for Public Works Construction (ISPWC), and the Supplementary Conditions and these Standard Revisions. Contractor shall become familiar with these documents to ensure full understanding of the requirements of this Project. Failure to do so does not relieve the Contractor of the duties, obligations and responsibilities addressed within those documents.

The Idaho State Electrical Board has determined that all street lights are to be provided with an external fuse disconnect, in a junction box between the power source and the street light pole. See attached standard drawings for connection requirements.

Street light installations inspections will be required for the concrete base reinforcing, the trench depth and bedding, and for the pole. Contact City of Boise at 208-608-7526 for inspections, 48 hour notice required. Contractor shall notify the City when street light is ready for turn on.

Approved products for Boise City street light installations are on the city web page. Contact Boise street light staff to seek approval for any substitute products.

REVISIONS TO THE STANDARD SPECIFICATIONS

SECTION 1102

STREET LIGHTING

PART 2 MATERIALS

2.2 JUNCTION BOXES

- 2.2.A Replace with the following:
Junction boxes in driveways or roadways are not allowed.
- 2.2.B Replace with the following:
Junction boxes in sidewalks and similar areas to be concrete that has steel lid that bolts down with a 3/8" bolt. This lid must be bonded to the equipment grounding conductor with the use of a #6 compression lug.

Boise STD REV to ISPPWC 2020 00820 - 1 07/15/2021

2.12 HISTORICAL POLES

Replace with the following:

- A. Historical style metal poles shall be true copies, approved by Boise City, Department of Public Works, of the original Old Boise Historical Pole. The new historical poles shall have the same surface texture and have the same Dark Green (RAL 6009) color finish that matches the existing Historical poles in the Historical Lighting District. Metal poles shall have a powder coat finish in accordance with ASTM B-117.
- B. Historical poles for the City of Boise shall be cast aluminum, in style and texture of the original Old Boise Historical Pole (see standard drawing BC SD-8). See City website for approved products.
- C. Color: To match existing poles, approved color mix for Sherwin Williams DTM Acrylic Coating RAL 6009 Fir Green Order #0174795.
- D. Additional pole requirement for historic lights installed within the Capitol City Development Corporation (CCDC) shall be:
 - 1. Poles shall be supplied with an GFCI receptacle with a metal bubble cover having the same color as the pole as shown on standard drawing BC SD-8.
 - 2. Poles shall be supplied with a manufacturer's adaptor for installation of the approved banner arms and a banner arm. The adaptor or banner arm shall face the building or lot only.

2.13 BOLLARDS NOT USED FOR BOISE CITY INSTALLATIONS.

2.14 PREFABRICATED BASES NOT USED FOR BOISE CITY INSTALLATIONS.

2.15 SERVICE PEDESTAL

Add the following:

- C. See Street Light Approved list on the city web page for approved products.

Boise STD REV to ISPPWC 2020 00820 - 3 07/15/2021

3.4 CONDUIT INSTALLATION

B. Underground:
Modify item 5 to read: Location wires only **required** to be installed inside the conduit in which the conductors are not installed.

Add the following item:

- 9. For historical street lights within the Capital City Development areas, an additional, parallel conduit shall be installed from the street light to the control cabinet to accommodate a separate circuit for the outlets on the poles.

3.6 DISCONNECT BOXES NOT USED FOR BOISE CITY INSTALLATIONS.

3.7 GROUNDING

Add to paragraph D. reference to City of Boise standard drawing BC SD-1117 and ISPPWC Standard Drawings.

3.8 CONCRETE POLE BASES

In paragraph F., add reference to City of Boise standard drawing BC SD-9 Historical Pole base.

3.9 POLE INSTALLATION

In paragraph B., delete reference to wood and fiberglass poles.
In paragraph C., add reference to City of Boise standard drawing BC SD-11.

"G, H, I, J" - NOT USED FOR BOISE CITY INSTALLATIONS

3.11 SERVICE PEDESTAL

Modify paragraph A: Service pedestals shall be installed in accordance with standard drawing BC SD-1127.

In paragraph B., Add the following sentence:

Service pedestals connected to historical street lights in the downtown core shall conform to SD-1126 with an additional meter connected to the electrical outlet circuit. Contact Public Works to verify if your locations will need to meet this requirement. See Street Light Approved list on the city web page for approved products.

Boise STD REV to ISPPWC 2020 00820 - 5 07/15/2021

Add the following:

- 2.2.C Junction boxes in landscape areas may be plastic or fiberglass.
- 2.2.D All junction boxes to have a means to secure lid with 3/8" bolt.
- 2.2.E See city website for approved materials
- 2.2.F J-boxes used at the Idaho Power service connections may not use a metal lid.

2.3 FUSE HOLDERS

- A.1. Add the following sentence.
Fuses for Boise City installation shall be fast acting – 100k RMS Amps-600VAC.
- B.1. Add the following sentence.
Fuses for Boise City installation shall be fast acting – 100k RMS Amps-600VAC.

2.4 CONDUCTOR

- B.2 Add the following sentence.
Phase "A" shall be colored Black, phase "B" shall be colored Red, and the receptacle conductors shall be in Blue and White.
- D.2 Change # 8 AWG THWN insulated copper wire to # 10 AWG THWN or THWN-2 insulated copper wire

2.7 DISCONNECT BOXES

Add paragraph D

D. Disconnect boxes are only required for overhead wiring.

2.8 MAST ARMS FOR WOOD POLES NOT USED FOR BOISE CITY INSTALLATIONS.

2.9 WOOD POLES NOT USED FOR BOISE CITY INSTALLATIONS.

2.10 METAL POLES

In paragraph C, Direct burial poles are not allowed

Add the following paragraph:

F. Poles may be square, round or tapered round. Decorative poles are prohibited. Poles for decorative fixtures (approved by the City) are to be round. See Street Light Approved poles listed on the city web page.

2.11 FIBERGLASS POLES NOT USED FOR BOISE CITY INSTALLATIONS

Boise STD REV to ISPPWC 2020 00820 - 2 07/15/2021

2.16 LIGHT FIXTURES

Replace paragraph A & D. with the following and add G.:

- A. Fixture light level as required by Boise City Public Works. Class "A" Residential 4500 - 5500 lumen, and Class "B" Collector/General Roadway 9,500 - 11,500 lumens.
- D. LED lighting color temperature for residential streets to arterial streets is 3000 K and for Arterial/Collector is 4000 K
- G. Effective 1 October 2015 all fixtures installed shall be labeled with the fixture wattage using a label meeting ANSI C136.15-2011 using the large type. If the manufacturer does not supply the ANSI label then the installer shall mark the fixture with the fixture wattage using black labels with white numbering a minimum of 1.5 inches wide by 2.5 inches high on the bottom of the fixture visible from the ground. If there is not sufficient area on the bottom of the fixture, the wattage label shall be placed on the pole just below the fixture. See examples below. The only exception to this requirement shall be the City of Boise Historical Pole and Fixture. It will not require any wattage label.



PART 3 WORKMANSHIP

3.2 JUNCTION BOX INSTALLATION

Modify paragraph D: Do not install in any driveway or roadway.

3.3 WIRE OR CONDUCTORS

Modify paragraph B and add paragraph F.

B. Splice underground wire only at junction boxes adjacent to pole bases.

F. For all street lighting installations within the City of Boise the only approved connectors for # 6 or larger wire shall be a split-bolt type connector for ground wires. Waterproof connectors from the Street Light Approved list on the city web page for all other conductors.

Boise STD REV to ISPPWC 2020 00820 - 4 07/15/2021

ADDITIONAL CITY OF BOISE STANDARD DRAWINGS ATTACHED

BC SD-8 HISTORICAL POLE DETAIL

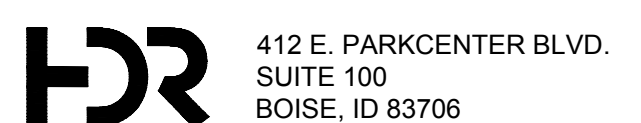
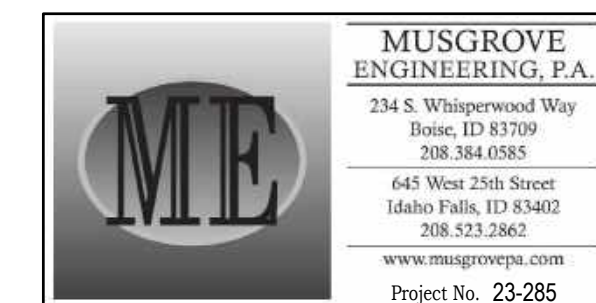
BC SD-9 HISTORICAL POLE BASE DETAIL

BC SD-11 HISTORICAL STREET LIGHT PLACEMENT

BC SD-1127 STREET LIGHT SERVICE PEDESTAL BASE

EXAMPLE OF THE ANSI C136.15-2011 LED WATTAGE LABEL

Boise STD REV to ISPPWC 2020 00820 - 6 07/15/2021



ELECTRICAL
SPECIFICATIONS
COMPLETED

Revisions:	• S I G N A T U R E S •			
Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS

• D E T A I L T I T L E •
ELECTRICAL SPECIFICATIONS



**Capital City
Development Corp**

121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdboise.com

Project Number: 23056

**Project Name: Bannock Street – 16th to 12th
Streetscape Improvements**

Sheet **EG-5**
EG-5

**CITY OF BOISE SPECIFICATIONS FOR
LIGHT EMITTING DIODE (LED) STREET LIGHTING
Effective 1 Feb, 2019**

1. LIGHT EMITTING DIODE (LED) LUMINAIRE FOR ROADWAY TYPE 3 ILLUMINATION

A. Testing and Compliance / Manufacturer

- The luminaire must be listed by a National Recognized Testing Laboratory (NRTL) as defined by the U.S. Department of Labor and recognized by OSHA.
- A label must be clearly visible on the luminaire that states operating voltage and current range as well as independent third-party testing laboratory approval, i.e. UL, CSA or equivalent.
- The luminaire must be listed and labeled by a NRTL as being suitable for use in wet locations.
- The luminaire must have RoHS compliant light source and drivers.
- The luminaire must be in compliance with Electro Magnetic Interference (EMI) requirements as defined by FCC 47 Sub Part 15.
- The luminaire must be manufactured in ISO 9001 certified facility or manufacturer must provide a copy of company workmanship standards and or quality control manual.
- Manufacturer must have product support representation within the Northwest region.
- Manufacturer must be able to show they have been in business at least two times the length of warranty offered on their product or 10 years, whichever is less.

B. Fixture Construction

- Housing and heat sink constructed out of Aluminum.
- All hardware will be corrosion resistant.
- Fixture will not weight more than 44 lbs. when fully assembled.
- Design will not trap water.
- When installed, simple access to internal components; (terminal block, driver surge protector). Approved fixtures for installation are on the street light approved fixture and materials listing on the City of Boise website.
- Provisions for a 2 or 4-bolt slip fitter type mounting on nominal 2-inch (2 3/8 OD) pipe brackets. Slip fitter mount shall allow 4 inches of the pole bracket to be inserted

in the luminaire mounting assembly.

- The mounting assembly will permit any necessary adjustment to orient the luminaire with the roadway for proper light distribution.
- Only passive cooling method can be used to manage thermal output of the LED light engine and power supply.
- Fixture will have a completely sealed optical system with an IP rating of 65 or greater.
- Fixture to have NEMA Photocontrol receptacle for either NEMA shorting cap or NEMA photo cell.
- Fixture shall provide a type 3 light distribution pattern.

C. Electrical Requirements

- Luminaire will fully operate in an ambient temperature range of -30°C to 40°C (-22°F to 104°F).
- Power supply (electronic driver) will be integral to the fixture.
- The power supply (electronic driver) will operate within 100 to 300 VAC (rms) at 50/60 hertz.
- The power supply (electronic driver) will have a power factor of .90 or greater and a total harmonic distortion of 20% or less at full load.
- The power supply (electronic driver) will have thermal overload protection.
- A power supply (electronic driver) with a rated life of 70,000 hours with a luminaire operated at an ambient temperature of 25°C (77°F).
- The power supply (electronic driver) will have self-limited short circuit protected and over load protected.
- The power supply (electronic driver) will be fully incased with IP rating of 65 or greater.
- Surge protection device, incorporating a circuit module, internal fusing and MOV's rated to withstand 10kV of transient line surge, separate from the power supply (electronic driver), that can easily be replaced but still contained within the housing.
- A terminal block for terminating pole wiring to the luminaire is required. The terminal block shall be a 3 station, tunnel lug terminal board that will accommodate #6 thru #18 AWG wire.

D. LED Performance Requirements

Shall meet the Chromaticity requirements as follows:

- The standard color for the LED luminaire shall be white. The colors shall conform to the following color regions based on the 1931CIE chromaticity diagram.
- Nominal Correlated Color Temperature, CCT = 3000K for Residential and 4000K for Arterial and Collector streets.
- No more than plus or minus 300 K variance between fixtures to provide a uniform appearance throughout project installations.
- Must have a minimum Color Rendering Index (CRI) of 70
- Intensity and Chromaticity must be confirmed by an Independent test lab.
- The luminaire must have a minimum efficacy of 112 lumens per watt.
- The luminaire will deliver an average 90% of initial lumens after 60,000 hours of operation based on TM-21 data.

E. Warranty

- The entire luminaire assembly including material, workmanship, finish, photometrics, labor, power supply, surge protectors, and LED modules will have a minimum of ten (10) year warranty from the date of installation.
- If more than 10% of the individual LEDs fail within the warranty period, the luminaire must be repaired or replaced.

2. LIGHT EMITTING DIODE (LED) LUMINAIRE FOR HISTORIC DECORATIVE ILLUMINATION

A. Testing and Compliance / Manufacturer

- The luminaire must be listed by a National Recognized Testing Laboratory (NRTL) as defined by the U.S. Department of Labor and recognized by OSHA.
- A label must be clearly visible on the luminaire that states operating voltage and current range as well as independent third-party testing laboratory approval, i.e. UL, CSA or equivalent.
- The luminaire must be listed and labeled by a NRTL as being suitable for use in wet locations.
- The luminaire must have RoHS compliant light source and drivers.
- The luminaire must be in compliance with Electro Magnetic Interference (EMI) requirements as defined by FCC 47 Sub Part 15.
- The luminaire must be manufactured in ISO 9001 certified facility and must provide a copy of company workmanship standards and or quality control

manual.

- Manufacturer must have product support representation within the Northwest region.
- Manufacturer must be able to show they have been in business at least two times the length of warranty offered on their product or 10 years, whichever is less.
- Manufacturer must have website with downloadable specification sheets and photometric IES files.

B. Fixture Construction

- Housing and heat sink constructed out of Aluminum.
- All hardware will be corrosion resistant.
- Fixture will not weight more than 50 lbs. when fully assembled.
- Design will not trap water.
- Fixture must be capable of mounting on top of the current approved Boise Historic Light Pole, standard drawing BC SD-8 without any field modification. Current approved poles are on the "Street Light Approved Fixtures and Materials" list on the Boise website. Decorative Cast pole drawing BC SD-8.
- The mounting assembly will permit any necessary adjustment to orient the luminaire with the roadway for proper light distribution.
- Only passive cooling method can be used to manage thermal output of the LED light engine and power supply.

C. Electrical Requirements

- Luminaire will fully operate in an ambient temperature range of -30°C to 40°C (-22°F to 104°F).
- Power supply (electronic driver) will be integral to the fixture.
- The power supply (electronic driver) will operate within 100 to 300 VAC (rms) at 50/60 hertz.
- The power supply (electronic driver) will have a power factor of .90 or greater and a total harmonic distortion of 20% or less at full load.
- The power supply (electronic driver) will have thermal overload protection.
- A power supply (electronic driver) with a rated life of 70,000 hours with a luminaire operated at an ambient temperature of 25°C (77°F).

- The power supply (electronic driver) will have self-limited short circuit protected and overload protected.
- The power supply (electronic driver) will be fully incased with IP rating of 65 or greater.
- Surge protection device, incorporating a circuit module, internal fusing and MOV's rated to withstand 10kV of transient line surge, separate from the power supply (electronic driver), that can easily be replaced but still contained within the housing.
- Connections shall be accomplished using standard connections and fittings, meeting NEC electrical codes. These connections must be robust and utilize vibration resistant mechanisms.

D. LED Performance Requirements

- Shall meet the Chromaticity requirements as follows:
- The standard color for the LED luminaire shall be white. The colors shall conform to the following color regions based on the 1931CIE chromaticity diagram.
- Nominal Correlated Color Temperature, CCT = 5000K
- No more than plus or minus 300 K variance between fixtures to provide a uniform appearance throughout project installations.
- Must have a minimum Color Rendering Index (CRI) of 70
- Intensity and Chromaticity must be confirmed by an Independent test lab.
- The luminaire must have a minimum efficacy of 115 lumens per watt.
- The luminaire will deliver an average 90% of initial lumens after 75,000 hours of operation based on TM-21 data.

E. Warranty

- The entire luminaire assembly including material, workmanship, finish, photometrics, labor, power supply, surge protectors, and LED modules will have a minimum of ten (10) year warranty from the date of installation.
- If more than 10% of the individual LEDs within the warranty period the luminaire must be repaired or replaced.

Revisions:

Design By: NJS

Date: 12/08

Drawn By: NJS

Date: 12/08

Survey By: NJS

Date: 05/23

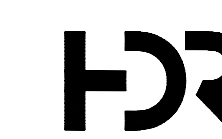
• S I G N A T U R E S •

• D E T A I L T I T L E •

ELECTRICAL SPECIFICATIONS



Approval Stamp



412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

ELECTRICAL
SPECIFICATIONS
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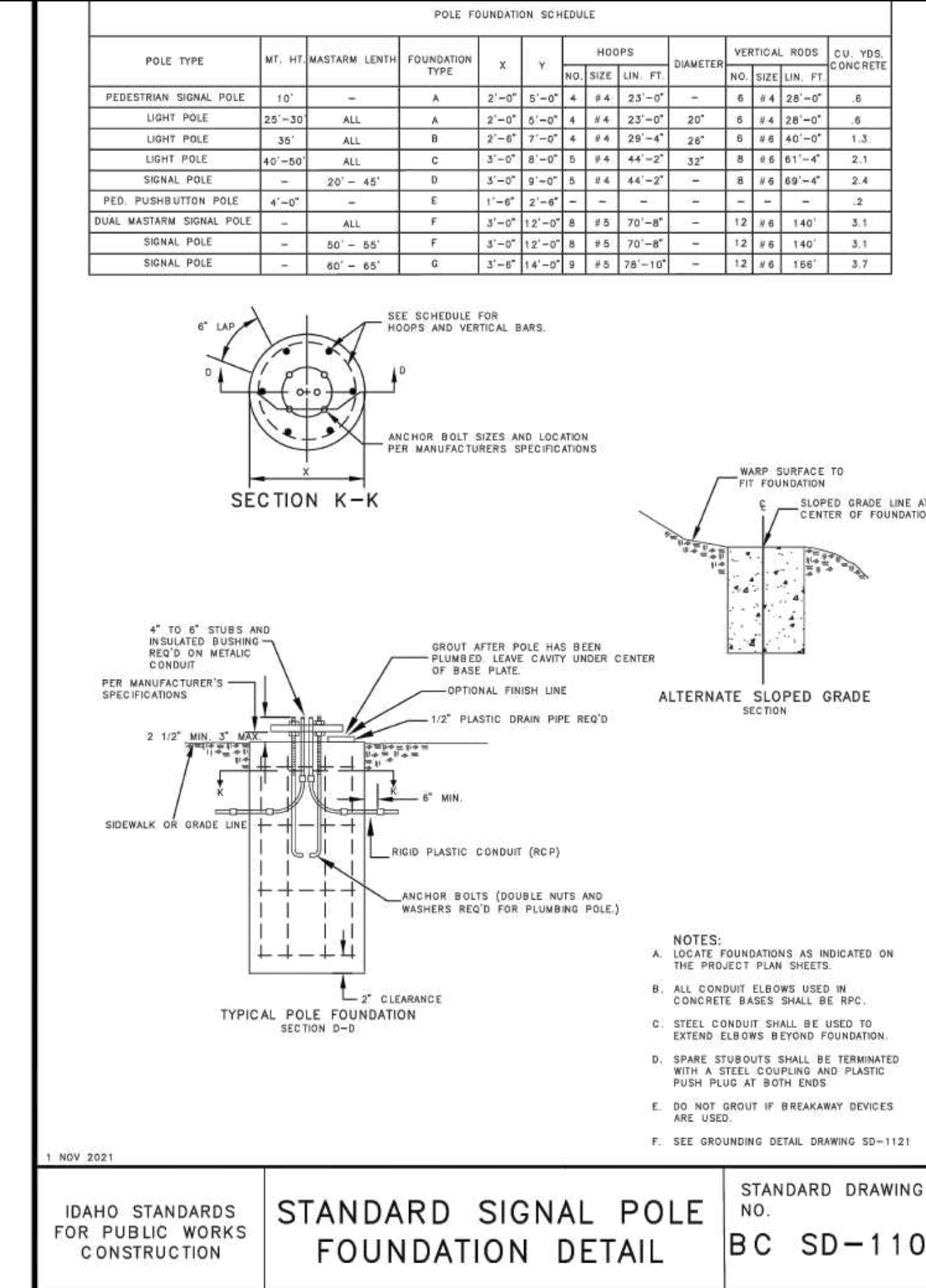
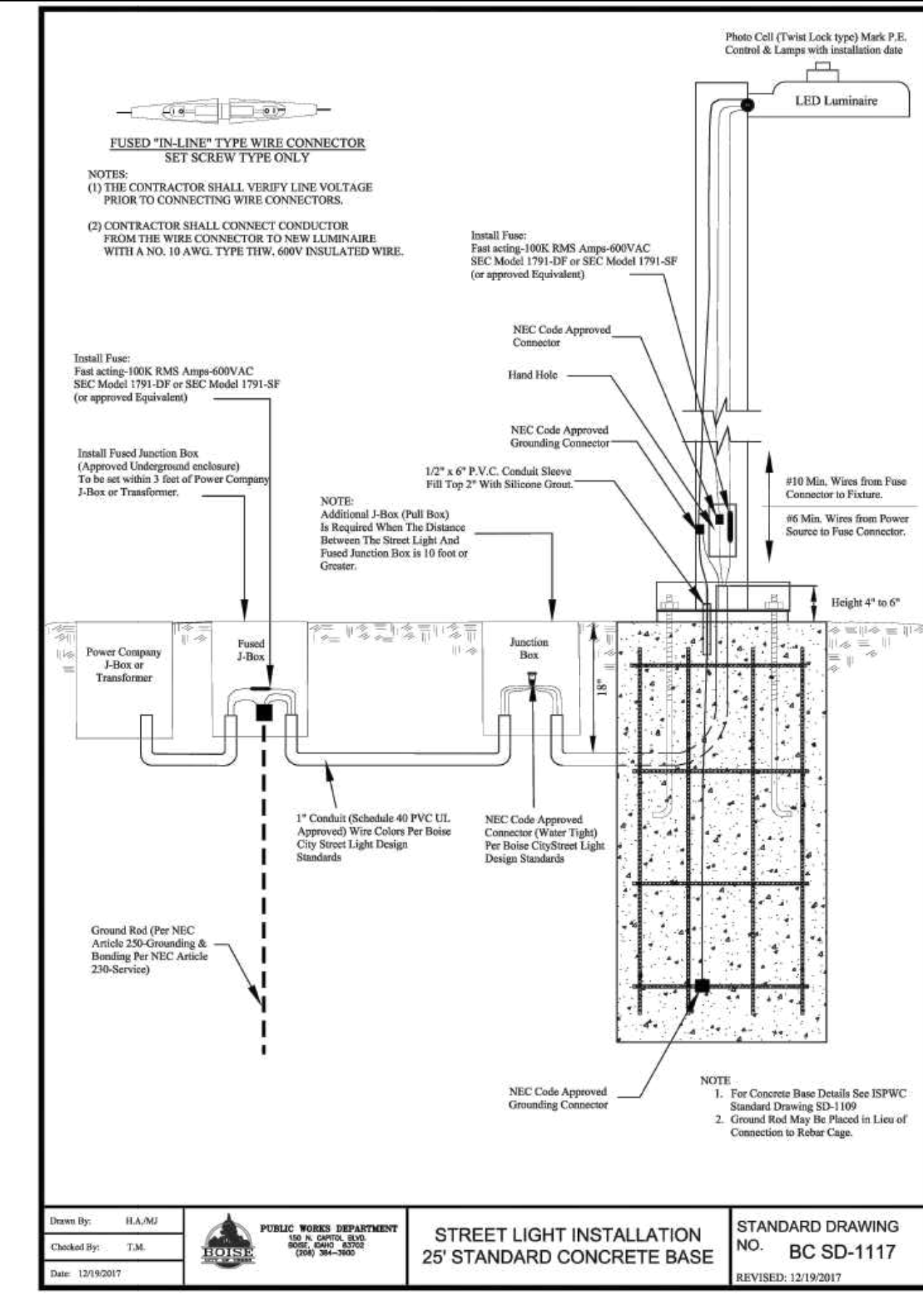
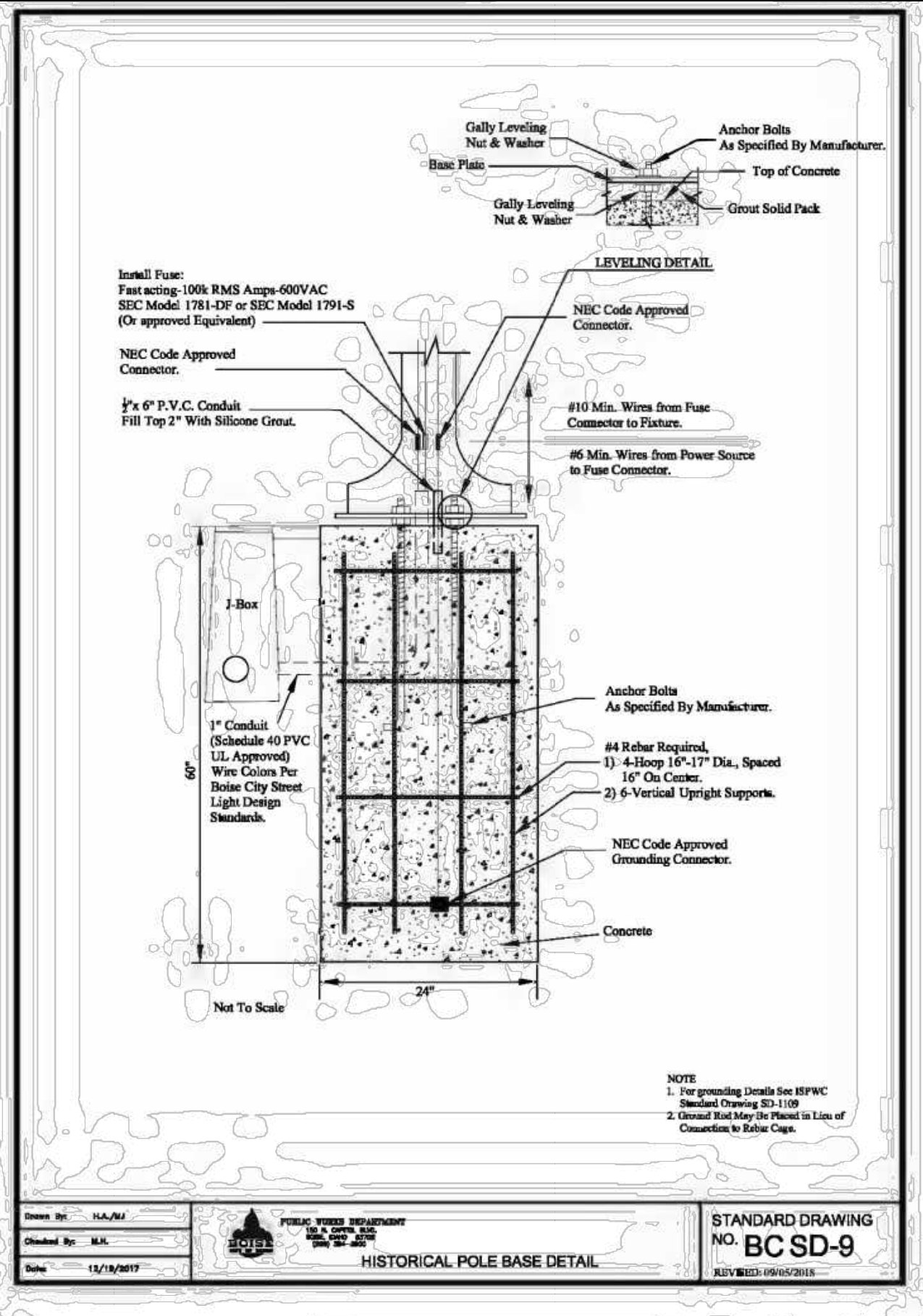
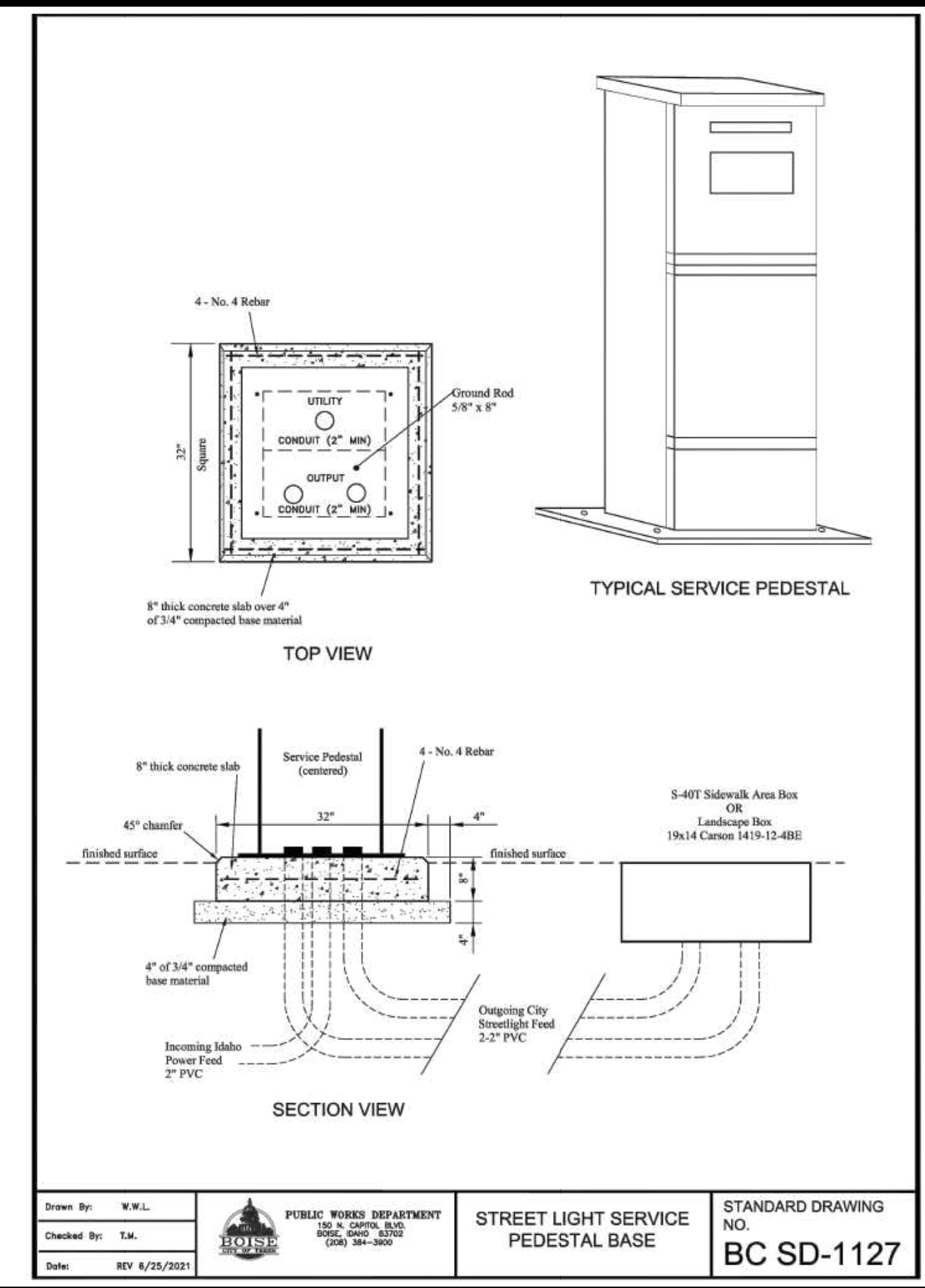
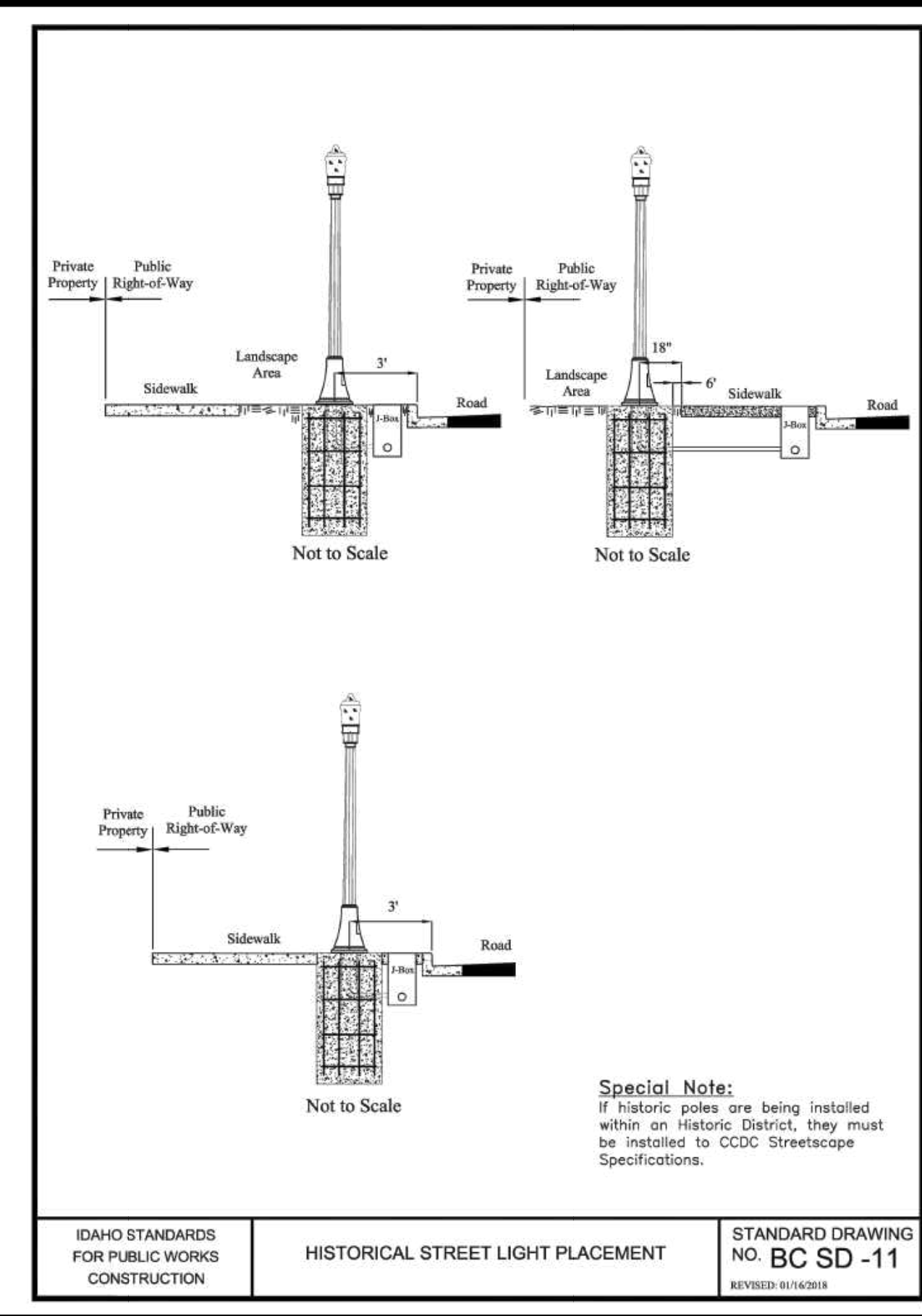
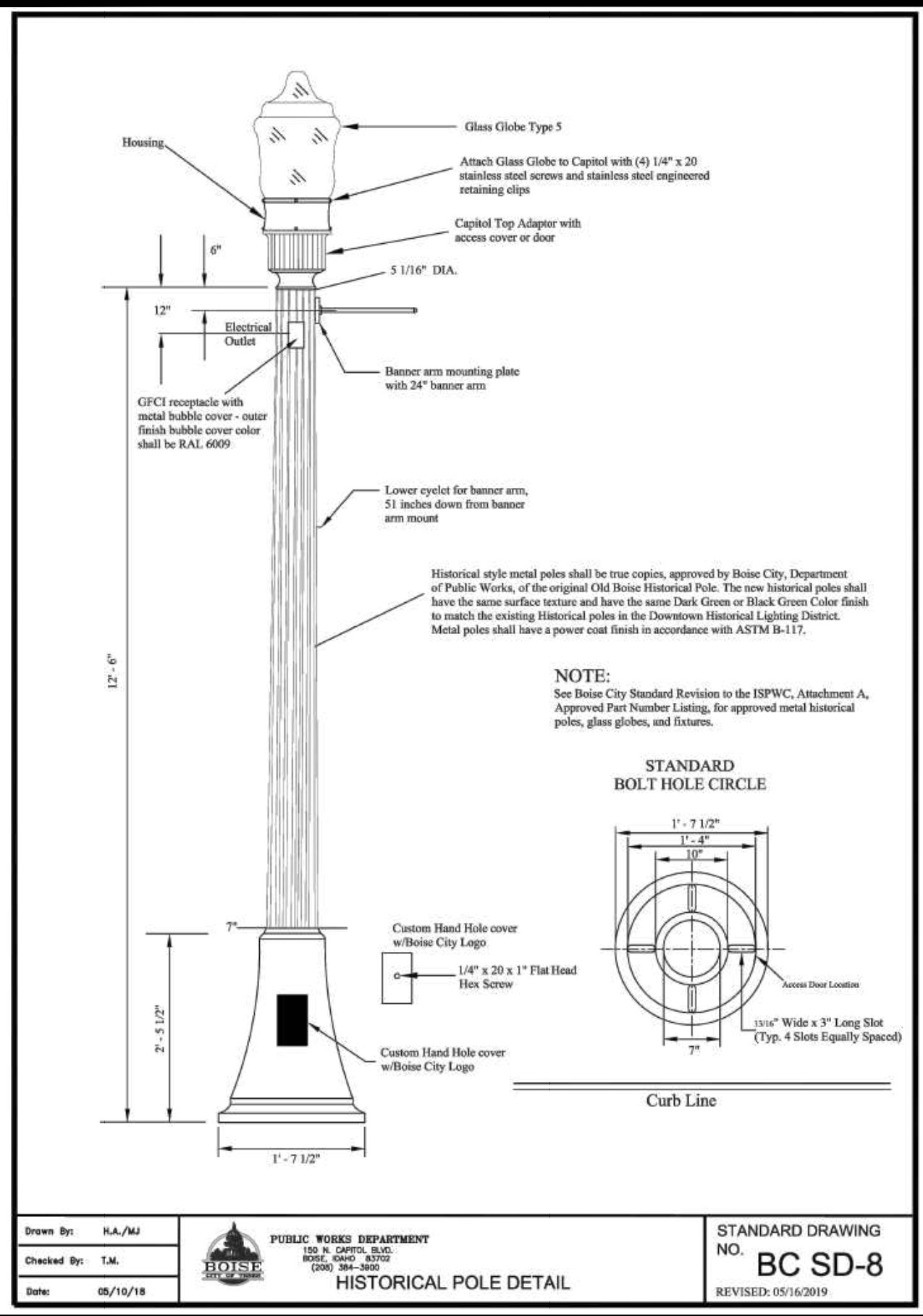
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Development Corp**

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www.ccdcoibose.com

Project Number: 23056

**Project Name: Bannock Street - 16th to 12th
Streetscape Improvements**

Sheet **EG-6
EG-6**



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www.musgrovepa.com
Project No. 23-285



HR 412 E. PARKCENTER BLVD.
SUITE 100
BOISE, ID 83706

60% COMPLETED

Revisions:

Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23
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CAPITAL CITY DEVELOPMENT CORP

Capital City Development Corp
121 N. 9th Street Suite 501, Boise, Idaho, 83702.
www.ccdco Boise.com

Project Number: 23056

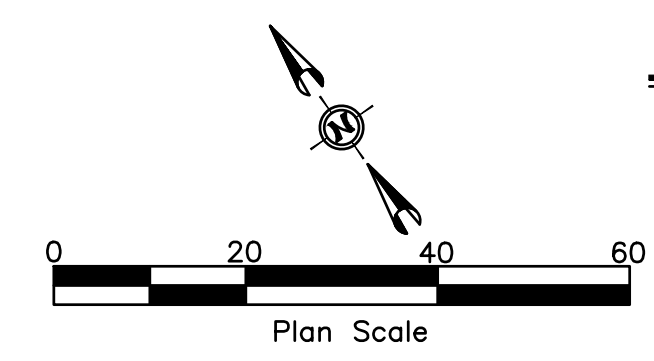
Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet EG-3

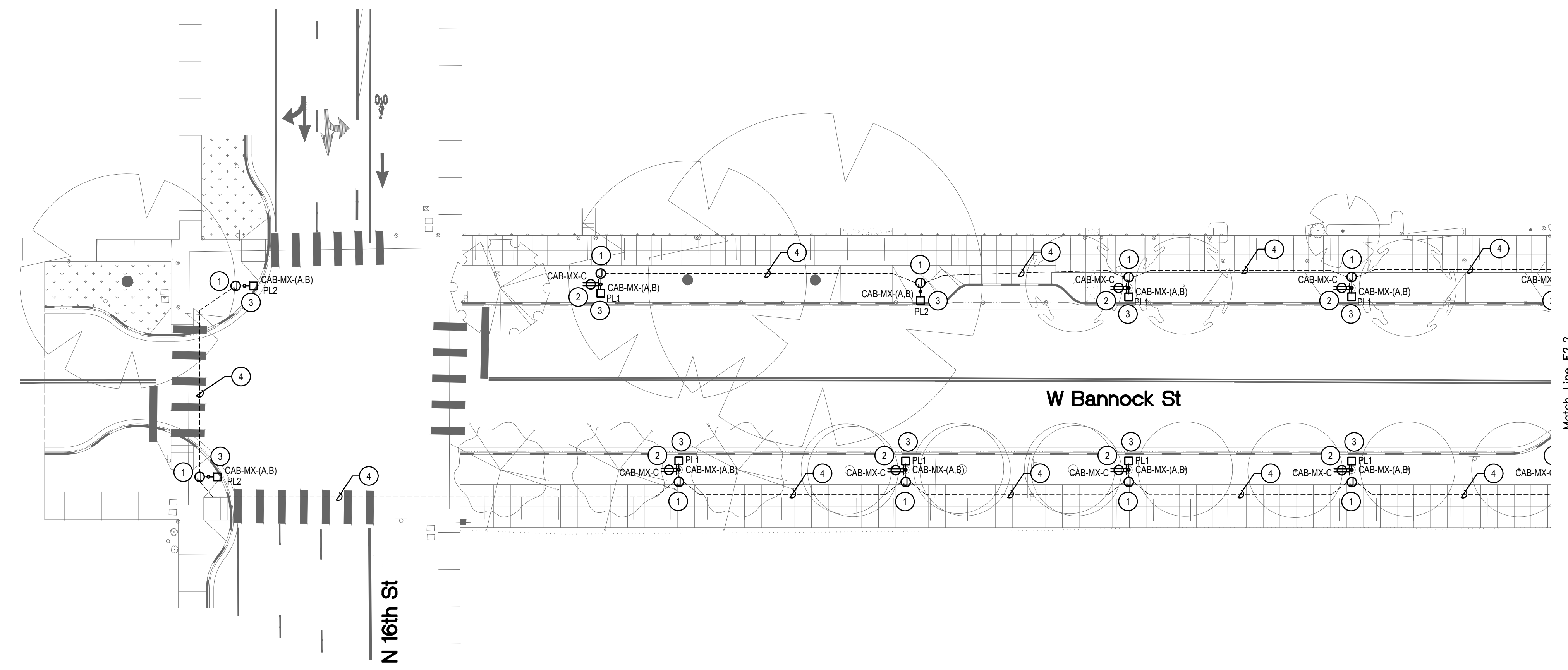
BOISE CITY STANDARD DETAILS

SIGNATURES

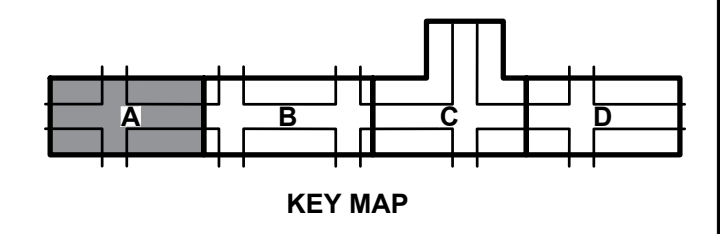
NOTES



- # SYMBOL USED FOR NOTE CALLOUT.
1. PROVIDE PULL BOX ADJACENT TO THE NEW LIGHT POLE. COORDINATE LOCATION WITH CIVIL ENGINEER PRIOR TO ROUGH-IN. REFER TO DETAILS AND SPECIFICATIONS ON SHEETS EG-2 THROUGH EG-7. PULL BOX LID SHALL BE RAW STEEL WITH NO PAINT OR PRIMER.
 2. INSTALL RECEPTACLE ON POLE. REFER TO DETAIL DETAILS AND SPECIFICATIONS ON SHEETS EG-2 THROUGH EG-7.
 3. PROVIDE AND INSTALL NEW LIGHT FIXTURE. POLE AND RECEPTACLE ON NEW BASE. REFER TO REFERENCED STANDARDS, SPECIFICATIONS AND DETAILS.
 4. (2)2" CONDUITS FOR LIGHTING POWER AND RECEPTACLE POWER. REFER TO STANDARDS AND DETAILS ON EG-2 THROUGH EG-7.



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CSHOA
 Approval Stamp

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 SUITE 100
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Revisions:

. S I G N A T U R E S .

Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23
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• D E T A I L T I T L E •

ELECTRICAL PLAN - 1500 BLOCK

60% COMPLETED

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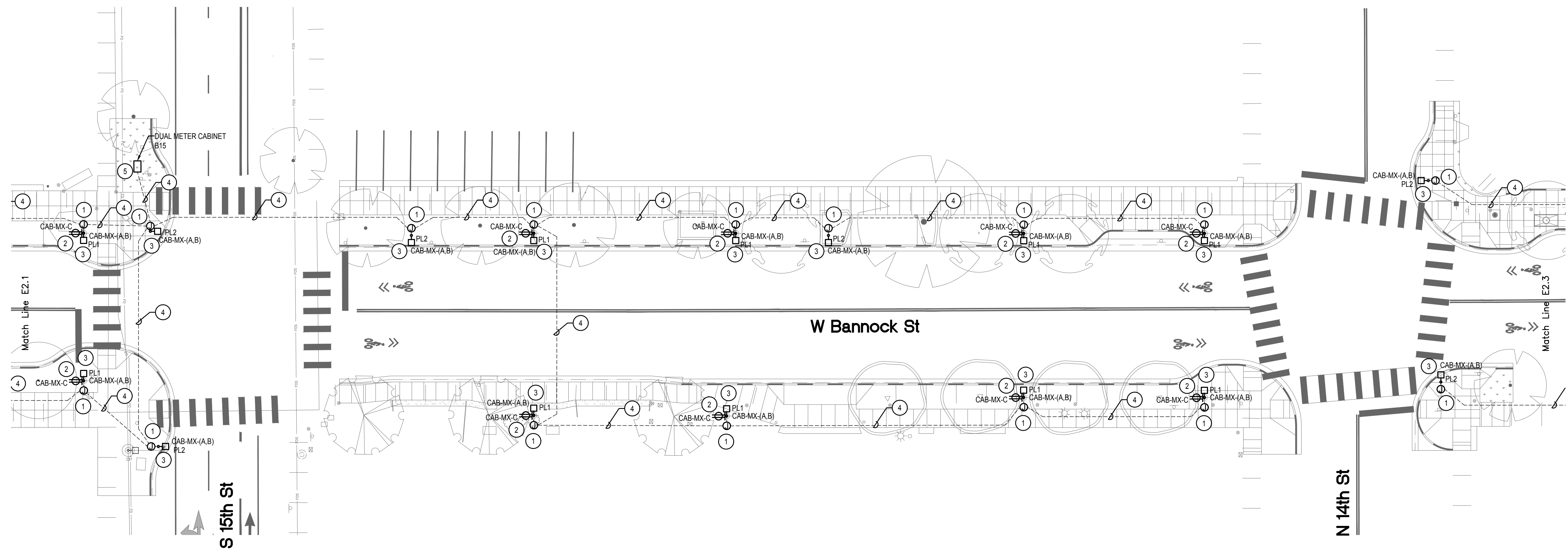
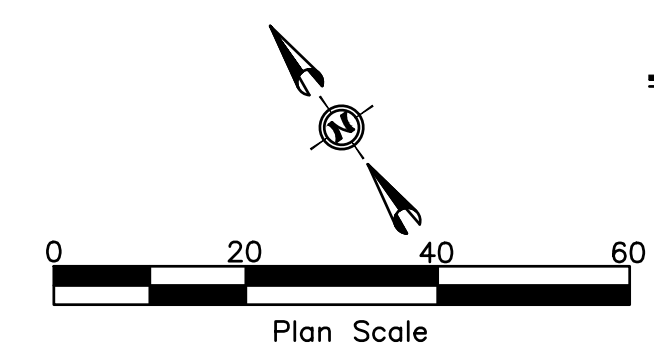
Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

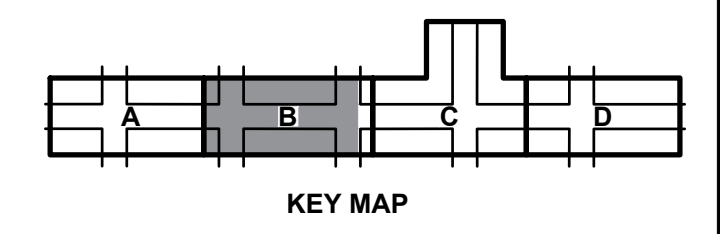
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- 4. (2)2" CONDUITS FOR LIGHTING POWER AND RECEPTACLE POWER. REFER TO STANDARDS AND DETAILS ON EG-2 THROUGH EG-7.
- 5. NEW METERED UTILITY PEDESTAL AT SIGNAL CAB. REFER TO EG-4 FOR METERED PEDESTAL REQUIREMENTS. COORDINATE INSTALLATION OF SERVICE CONDUCTORS WITH IDAHO POWER DIVISION 26 TO PROVIDE AND INSTALL SERVICE CONDUIT TO FEED NEW PEDESTAL. COORDINATE ROUTING, SIZE AND QUANTITY OF CONDUITS WITH IDAHO POWER.



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CSHOA
 Approval Stamp

HR 412 E. PARKCENTER BLVD.
 SUITE 100
 BOISE, ID 83706

Revisions:

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SIGNATURES

Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23
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• D E T A I L T I T L E •
ELECTRICAL PLAN - 1400 BLOCK

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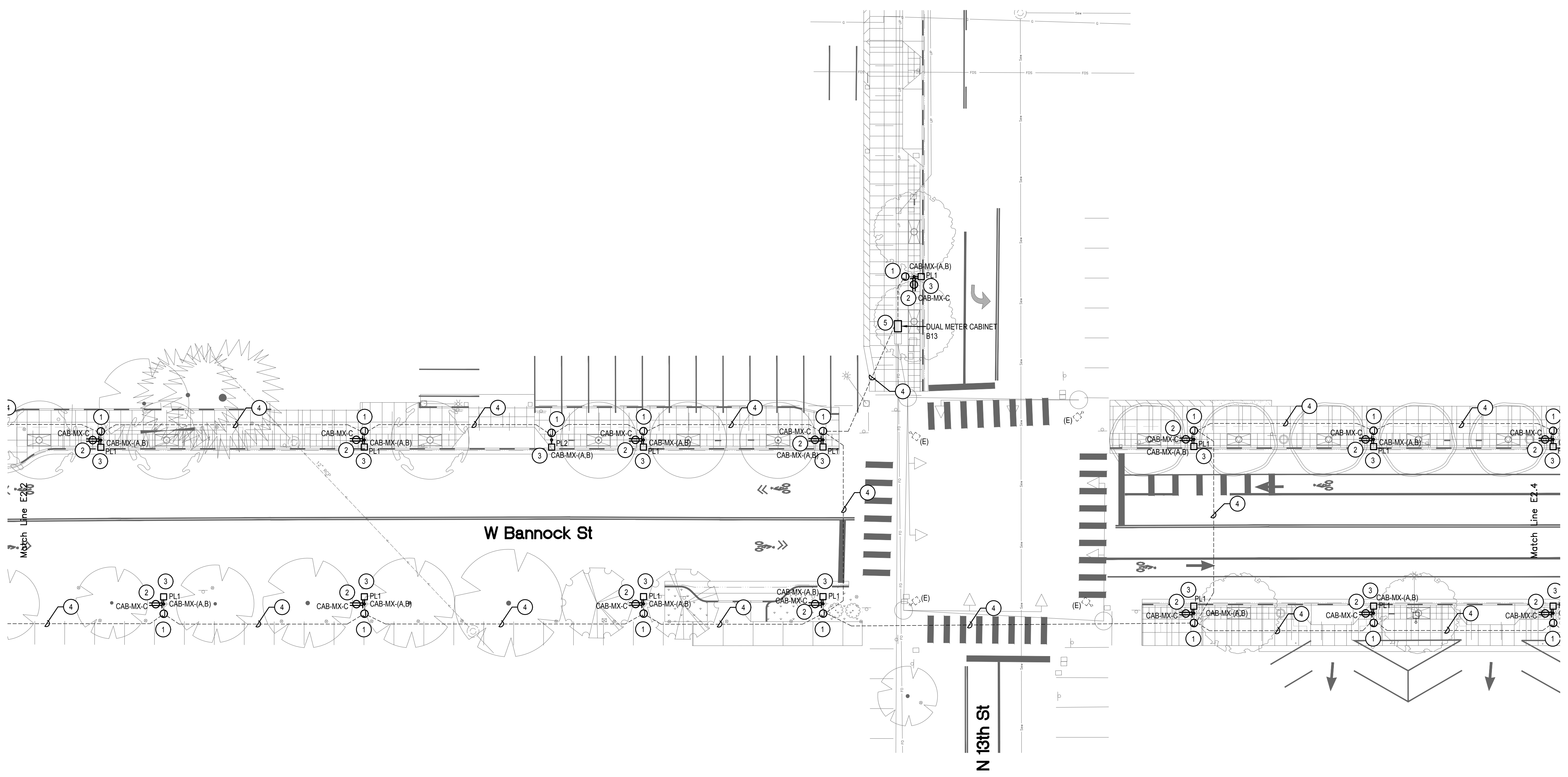
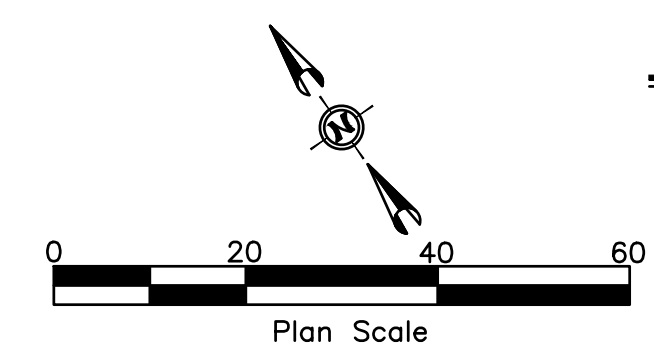
Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

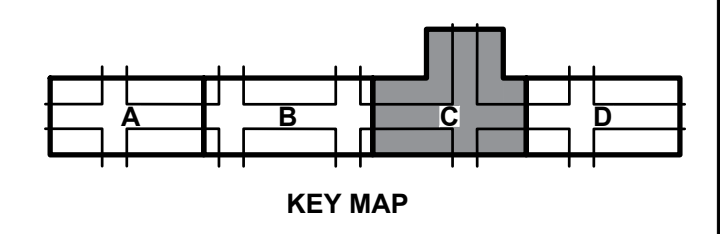
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NOTES

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- 5. NEW METERED UTILITY PEDESTAL AT SIGNAL CAB. REFER TO EG-4 FOR METERED PEDESTAL REQUIREMENTS. COORDINATE INSTALLATION OF SERVICE CONDUCTORS WITH IDAHO POWER DIVISION 26 TO PROVIDE AND INSTALL SERVICE CONDUIT TO FEED NEW PEDESTAL. COORDINATE ROUTING, SIZE AND QUANTITY OF CONDUITS WITH IDAHO POWER.



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SUITE 100
BOISE, ID 83706

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Revisions:	. S I G N A T U R E S .				
Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23

• D E T A I L T I T L E •
ELECTRICAL PLAN - 1300 BLOCK



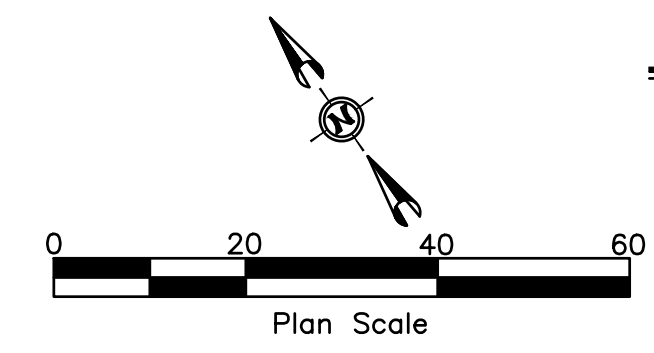
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 www.ccdcoise.com

Project Number: 23056

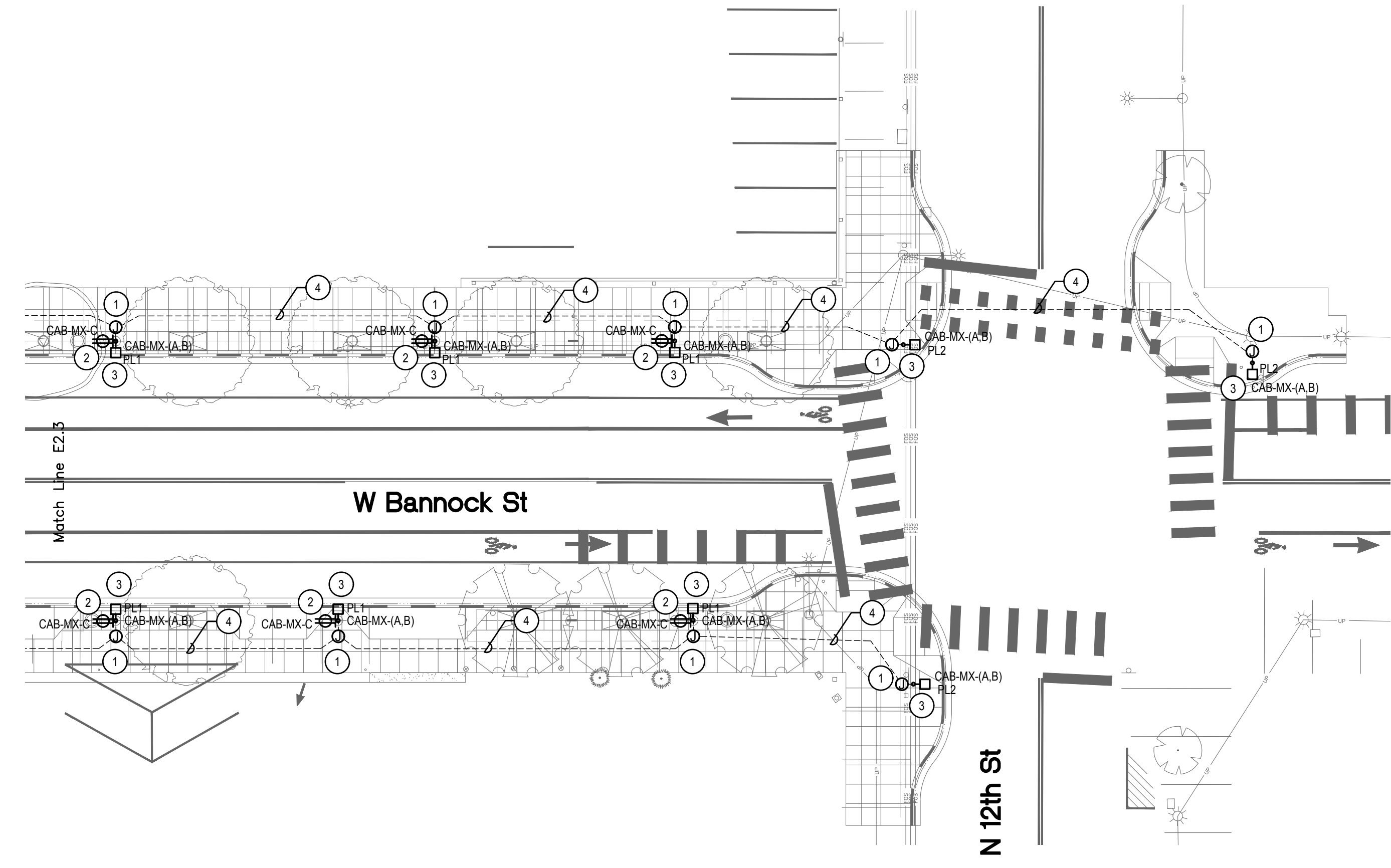
Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet E2.3

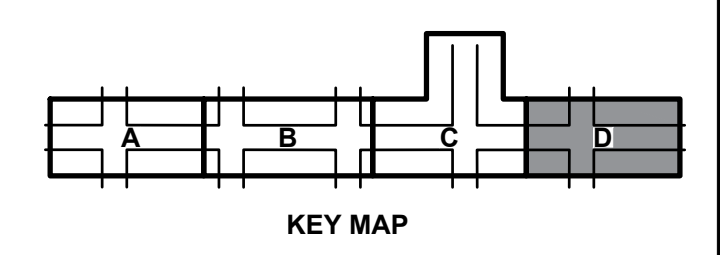
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Revisions:	• S I G N A T U R E S •				
Design By: NJS	Date: 12/08	Drawn By: NJS	Date: 12/08	Survey By: NJS	Date: 05/23

• D E T A I L T I T L E •
ELECTRICAL PLAN - 1200 BLOCK

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Project Number: 23056

Project Name: Bannock Street - 16th to 12th Streetscape Improvements

Sheet E2.4



FINAL TALLY

RFQ: CM/GC BANNOCK STREET STREETScape IMPROVEMENTS

		Andersen Construction	McAlvain Construction	Wright Brothers
Category	Points	Points	Points	Points
Cover Sheet (submitted)	0	Yes	Yes	Yes
Waiver/Release (submitted)	0	Yes	Yes	Yes
Signed Cover Letter	5			
	Member #1	3	5	3
	Member #2	3	3	3
	Member #3	5	4	5
	Member #4	4.5	4	3
Company Profile	15			
	Member #1	14	14	12
	Member #2	11	13	12
	Member #3	15	14	15
	Member #4	13	14	10
Proposed CMGC Project Team	20			
	Member #1	17	19	14
	Member #2	15	17	15
	Member #3	15	18	19
	Member #4	17.5	18.5	10
Relevant Experience Past Performance	20			
	Member #1	17	20	15
	Member #2	16	18	14
	Member #3	17	19	18
	Member #4	18	18.5	16
Project Approach, Work Plan & Schedule	25			
	Member #1	16	23	14
	Member #2	23	23	17
	Member #3	23	25	20
	Member #4	23	24	15
Project Management	15			
	Member #1	15	15	11
	Member #2	13	14	11
	Member #3	13	15	13
	Member #4	14	13	10
Total Points	400	341	371	295
Rank		2	1	3