



AGENDA BILL

<p>Agenda Subject: Prequalification of Contractors for 17th Street Interim Streetscape Improvements Project</p>		<p>Date: March 11, 2024</p>
<p>Staff Contact: Kassi Brown, Project Manager Kathy Wanner, Contracts Manager</p>	<p>Attachments: A. Location Map B. Resolution 1864 C. RFQ issued February 16, 2024</p>	
<p>Action Requested: Adopt Resolution 1864 selecting prequalified contractors for the 17th Street Interim Streetscape Improvements Project.</p>		

Background:

In 2021, the Agency completed the 17th Street Reinvestment Study to evaluate and prioritize public infrastructure investment within the 17th Street neighborhood and Shoreline Urban Renewal District. Findings of the study identified 17th Street as a priority corridor to improve public safety through street improvements and activated neighborhood standards.

The 17th Street Interim Streetscape Improvements Project will include pedestrian improvements to address the current gaps in sidewalk, replace non-ADA compliant pedestrian ramps, and install additional overhead lighting on 17th Street between Shoreline Drive and the east end of 17th Street (cul-de-sac). The goal of this effort is to improve safety and mobility within the public right-of-way on 17th Street.

Request for Qualification Process:

The Agency has found it desirable for public works contractors to have experience in constructing certain Agency projects. Equally important is a demonstrated ability to handle complex logistics and site conditions in an urban setting, sufficient resources to keep the project moving quickly, sound record keeping and safety protocols (job site related and internal practices related to cyber security protection), and sensitivity to community relations.

To accomplish those goals, the Agency utilizes Idaho Code § 67-2805(2)(b) which provides for a two-stage process for procuring public works construction valued in excess of \$200,000:

- Stage 1: Agencies can examine preliminary supplemental qualifications such as experience constructing similar facilities and overall performance history to prequalify licensed public works contractors prior to a competitive bidding process.

- Stage 2: Invite bids from only licensed public works contractors that have been prequalified at Stage 1.

The Agency's Request for Qualifications (RFQ) for the Project was issued on February 16, 2024. Legal notice was published in the *Idaho Statesman* on February 16 and 23, 2024. In an effort to receive as many qualification packages as possible a notice was also emailed to sixteen (16) public works contractors.

One contractor, LaRiviere, Inc., responded to the RFQ by the 12:00 p.m., March 1, 2024, deadline.

Contractor Licensing

Review of the contractor's licensing information revealed that they are properly licensed to perform the work with the necessary Type 2 Highway Construction license.

Reviewing the Prequalification Standards

In addition to simple licensing and company information, the RFQ (see Attachment C) requested information on the following prequalification standards:

- Experience constructing similar public works facilities in an Ada County downtown environment.
- Overall performance history.
- Protocols related to record keeping and safety protocols (job site related and internal office practices related to cyber security protection).

A three-member evaluation team reviewed the SOQ and found that LaRiviere, Inc. met the prequalification standards.

Fiscal Notes:

The Agency's FY2024 budget includes sufficient funding for this project.

Staff Recommendation:

Staff recommends that the Agency Board adopt Resolution 1864 prequalifying LaRiviere, Inc. as eligible to submit a bid for the 17th Street Interim Streetscape Improvements Project.

Suggested Motion:

I move to adopt Resolution 1864 prequalifying LaRiviere, Inc. as eligible to submit a bid for the 17th Street Interim Streetscape Improvements Project.

Attachment A – Location Map



ATTACHMENT B
RESOLUTION 1864

RESOLUTION NO. 1864

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, PREQUALIFYING LA RIVIERE, INC. AS ELIGIBLE TO SUBMIT A BID FOR THE 17TH STREET INTERIM STREETScape IMPROVEMENTS PROJECT; 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, Idaho Code § 67-2805(2)(b) provides for a two-stage process for procurement of public works construction, which includes:

- Stage 1: Allows public agencies to establish preliminary supplemental qualifications for purposes of prequalifying licensed public works contractors prior to a competitive bidding process, and,
- Stage 2: Invites bids from only licensed public works contractors that have been prequalified at Stage 1; and,

WHEREAS, Idaho Code § 67-2805(2)(b) allows a political jurisdiction to examine a public works contractor's qualifications related to:

- Demonstrated technical competence
- Experience constructing similar facilities
- Prior experience with the political subdivision
- Availability of resources, equipment, and personnel
- Overall performance history; and,

WHEREAS, the Agency issued a Request for Qualifications ("RFQ") from licensed public works contractors for the 17th Street Interim Streetscape Improvements on February 16, 2024, and published notice of the RFQ in the *Idaho Statesman* newspaper on February 16 and 23, 2024; and,

WHEREAS, the deadline for submitting a signed Statement of Qualifications and Required Waiver & Release Form (collectively, the "SOQ") was March 1, 2024, at 12:00 p.m.; and,

WHEREAS, one (1) construction company, LaRiviere, Inc., provided its SOQ by the March 1, 2024, deadline; and,

WHEREAS, the Agency examined the SOQ and evaluated it according to the prequalification standards outlined in the RFQ; and,

WHEREAS, the Agency found LaRiviere, Inc. provided information that was deemed sufficient to meet the prequalification standards set forth in the RFQ; and,

WHEREAS, the Agency recommends the Agency Board prequalify, in accordance with Idaho Code § 67-2805(2)(b), LaRiviere, Inc. as eligible to submit a bid for the 17th Street Interim Streetscape Improvements Project; and,

WHEREAS, the Agency Board finds it in the best public interest to prequalify LaRiviere, Inc. as eligible to submit a bid for the 17th Street Interim Streetscape Improvements Project.

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

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

Section 2: That the Agency Board hereby finds that LaRiviere, Inc. provided sufficient information to meet the prequalification standards set forth in the RFQ for the 17th Street Interim Streetscape Improvements Project.

Section 3: That the Agency Board hereby prequalifies, in accordance with Idaho Code § 67-2805(2)(b), LaRiviere, Inc. as eligible to submit a bid for the 17th Street Interim Streetscape Improvements Project.

Section 4: 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 March 11, 2024. Signed by the Chair of the Agency Board of Commissioners and attested by the Secretary to the Agency Board of Commissioners on March 11, 2024.

URBAN RENEWAL AGENCY OF BOISE CITY

By: Commissioner Latonia Haney Keith
6D1092AB0583453...
Latonia Haney Keith, Chair

ATTEST:

By: John Stevens
1E38EEDA192D43C...
John Stevens, Vice Chair

ATTACHMENT C

RFQ ISSUED FEBRUARY 16, 2024



REQUEST FOR QUALIFICATIONS

PUBLIC WORKS CONTRACTORS

PRE-QUALIFICATION FOR 17th STREET INTERIM STREETSCAPE IMPROVEMENTS

BOISE, IDAHO

QUALIFICATIONS MUST BE RECEIVED BY:

12:00 P.M. (NOON) LOCAL TIME, MARCH 1, 2024

bids@ccdcboise.com

REQUEST FOR QUALIFICATIONS
Pre-Qualification for 17th Interim Streetscape Improvements Project

February 16, 2024

Capital City Development Corporation (CCDC), the urban renewal agency for the city of Boise, Idaho, will accept Statements of Qualifications from Idaho-licensed public works contractors to be pre-qualified, in accordance with Idaho Code § 67-2805(2)(b), to submit competitive bids for construction of the 17th Street Interim Streetscape Improvements Project in downtown Boise, Idaho. CCDC will prequalify bidders on the following criteria: technical competence; experience constructing similar facilities; prior experience with CCDC; available non-financial resources, equipment, and personnel; and overall performance history based upon the contractor's entire body of work. Only contractors pre-qualified through this process will be allowed to submit a bid for the public works construction project.

Licensed public works contractors seeking pre-qualification must complete and submit the pre-qualification forms provided herein.

Submission deadline is 12:00 P.M. local time, March 01, 2024.

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

PART 1 – GENERAL INFORMATION

1.1 SCOPE OF WORK

The 17th Street Interim Streetscape Improvements Project includes pedestrian improvements to address the current gaps in sidewalk, replace non-ADA compliant pedestrian ramps, and install additional overhead lighting on 17th Street between Shoreline Drive and the east end of 17th Street (cul-de-sac).

All work will be in accordance with project plans and specifications (included for reference).

CCDC prefers a contractor capable of meeting the following criteria:

- Experience constructing streetscape projects within a downtown environment.
- Demonstrated experience wherein relevant projects were completed on time and within budget.
- Demonstrate ability to maintain close communication with owner, authorities having jurisdiction (“AHJ”), and stakeholders through weekly meetings, e-mail correspondence and in-person meetings.
- Demonstrated competence in record keeping and safety protocols (job site related and internal office practices related to cyber security protection).

1.2 RFQ SUBMISSION

The submission package must be submitted electronically by email to bids@ccdcbiose.com

Please include this subject line on the email:

RFQ SUBMITTAL: 17th Street Interim Streetscape Improvements.

To be considered, the submission package must contain:

Exhibit A: Contractor Qualification Application and any supporting documentation.
Exhibit B: Required Waiver & Release

Exhibit A: Statements of Qualifications requires that the Respondent provide other documents containing requested information and answer all Yes / No questions found throughout. Failure to supply the requested information or complete any form may be cause to deem the submission non-responsive.

All required submittal documents must be **signed and dated** and must be submitted via email either in one PDF or a separate PDF of each required document. Electronic signatures are acceptable, provided the signed document is in PDF format and can be opened and read in Adobe Acrobat XI without the need for additional software, applications, or extensions. Scanned signatures are also acceptable. Unsigned submissions will not be accepted. Late or incomplete submissions will not be accepted. Respondent assumes full responsibility for the timely delivery of its submission of all documents by way of the email process.

Respondent will be responsible for all costs (including site visits where needed) incurred in preparing or responding to this RFQ. All materials and documents submitted in response to this RFQ become the property of CCDC and will not be returned.

1.3 OBJECTIONS

Written objections to prequalification procedures must be received by CCDC at least three (3) business days before the date and time upon which submissions are due. Objections are to be in writing directed to Kathy Wanner, Contracts Manager, at kwanner@ccdcoise.com.

1.4 ADDENDA

In the event it becomes necessary to revise any part of the RFQ, written addenda will be issued. Addenda will be made available by way of the CCDC website: www.ccdcoise.com. It is the Respondent's responsibility to check for addenda prior to submitting a submission package. Respondents are requested to acknowledge all addenda in the space provided on Exhibit A. No addenda will be issued fewer than four (4) business days before the submission deadline unless the deadline is extended.

1.5 RIGHTS RESERVED

CCDC reserves the right to act in the public best interest and in furtherance of the purposes of the Idaho Urban Renewal Law, Chapter 20, Title 50, Idaho Code, and the laws for Purchasing by Political Subdivisions, Chapter 28, Title 67, Idaho Code. CCDC reserves the right to waive any formalities or defects as to form, procedure, or content with respect to its RFQ and any minor irregularities in the submissions received, to request additional data and information from any and all Respondents, to reject any submissions based on real or apparent conflict of interest, to reject any submissions containing inaccurate or misleading information, and to accept the submissions that are in the best interest of CCDC. The issuance of this RFQ and the receipt and evaluation of submissions does not obligate CCDC to take any further action relative to the RFQ. CCDC may in its discretion cancel this process at any time without liability.

1.6 PUBLIC RECORDS

CCDC is a public agency. All documents in its possession are public records subject to disclosure under the Idaho Public Records Act, Chapter 1, Title 74, Idaho Code, and will be available for inspection and copying by any person after the RFQ process is complete.

If any Respondent claims any part of its submission is exempt from disclosure under the Idaho Public Records Act, Respondent 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 submission as "Confidential" is not in accordance with the 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 designation of nondisclosure. By claiming material to be exempt from disclosure under the Idaho Public Records Act, Respondent expressly agrees to defend, indemnify, and hold CCDC harmless from any claim or suit arising from CCDC's refusal to disclose such materials. Any questions regarding the applicability of the Public Records Act should be addressed to your own legal counsel prior to submission.

END OF PART 1

PART 2 – QUALIFICATION INFORMATION

2.1 BASIS FOR SELECTION AND PRE-QUALIFICATION

In accordance with Idaho Code § 67-2805(2)(b), this Request for Qualifications will be evaluated based upon demonstrated technical competence, experience constructing similar facilities, prior experience with CCDC and other government entities, available nonfinancial resources, equipment and personnel related to the project, and the overall performance history of the contractor being considered.

The Contractor Qualification Application is composed of three distinct sections.

- The first section consists of general information about the contractor, including licensing and contact information.
- The second section is considered "Minimum Requirements" for a contractor to be considered qualified. Only contractors able to meet these requirements will be considered qualified to bid.
- The third section includes questions that the Agency will use to further evaluate the Contractor's qualifications based on past performance relative to quality of work, schedule and budget compliance, safety, cyber security protocols, and dispute history.

The following can result in a contractor being found not qualified:

1. Failure to meet the "Minimum Requirements";
2. Failure to sign the RFQ submittal using the Signature pages provided in Exhibit B;
3. Failure to submit any material information required;
4. Deliberate submission of false information;
5. Inability to verify or contact references;
6. Any combination of substantive factors including, but not limited to, history of failure to perform in contracts, disregard of laws and regulations, inferior quality control and safety programs, and lack of or inferior quality of cyber security, which in the sole discretion of CCDC, do not meet the standards of fitness or reliability expected from those wishing to do business with CCDC; or,
7. Failure to provide a valid Idaho Public Works Contractors License.

CCDC may conduct investigations and interviews, if necessary, to determine the performance record and abilities of Respondent to perform the size and type of work to be contracted. By submitting a response to this RFQ, the Respondent is authorizing CCDC to conduct investigations and interviews as needed. CCDC reserves the right to waive irregularities in the Respondent's RFQ response, provided that the Respondent, in the sole discretion of CCDC, meets the intent of the RFQ by demonstrating that their firm and staff have the experience and capability to successfully complete this Project.

2.2 PROJECT SCHEDULE

Prequalification

Request for Qualifications issued	February 16, 2024
Last Day addenda issued, if needed	February 26, 2024
Last Day for Objections	February 27, 2024 by 3 p.m.
Qualifications Due	March 1, 2024 by 12 p.m. (noon)
Selection of Pre-Qualified Contractors	CCDC Board Meeting: March 11, 2024

Project Bidding

Invitation to Bid to Pre-Qualified Contractors	March 12, 2024 (<i>anticipated</i>)
Bids Due	March 27, 2024 (<i>anticipated</i>)
Bid Award	CCDC Board Meeting: April 8, 2024

Project Construction

Notice to Proceed	Spring 2024 (<i>anticipated</i>)
Estimated Construction Duration	90 days

END OF PART 2

EXHIBIT A

**CONTRACTOR QUALIFICATION APPLICATION
(REQUIRED FOR SUBMISSION)**

17TH STREET INTERIM STREETScape IMPROVEMENTS PROJECT

TO: Capital City Development Corporation
By email: bids@ccdcoise.com
Attn: Kathy Wanner, Contracts Manager
121 N. 9th Street, Suite 501
Boise, Idaho 83702

SECTION 1: GENERAL INFORMATION AND LICENSING

1. **Name of Company:** _____
Company Type: ___ Corporation ___ Partnership ___ Individual ___ LLC ___ Other
Business Address: _____
Telephone: _____ E-mail Address: _____
Name of current owner, CEO, or president: _____

2. **LICENSE:** Idaho Public Works Contractor License # _____
Provide a list of categories of work that your firm normally performs with its own forces.

Number of years the Company has been in business: _____
Is the Company a parent or subsidiary of another Company? ___ Yes ___ No
If yes, please explain: _____

3. **ADDENDA:** Respondent has reviewed and understands all addenda issued with this RFQ:
Addendum No. _____ Dated: _____
Addendum No. _____ Dated: _____

SECTION 2: MINIMUM REQUIREMENTS

1. Complete and include a signed Certification and Waiver & Release (Exhibit B).
2. Does your company have the ability to bond for \$600,000?
 Yes No
3. Does your company have cyber security protocols and technologies in place?
 Yes No
4. To demonstrate experience and capability to perform work, the Contractor must provide one relevant project completed for a government entity within the last five (5) years. The project must relate to street and sidewalk improvements within the public right-of-way. *The project, in order to be accepted as relevant experience, must have included:*
 - Installation and/or replacement of ACHD standard streetlights.
 - Work within the ACHD right-of-way
 - Replacement and installation of curb/gutter/pedestrian ramps
 - Maintaining pedestrian paths and traffic flow during construction
 - An awarded bid value of at least \$450,000
 - Name of Government Entity and Contact information

Relevant Project Information

Please fill out the following completely. Information may be completed on a separate sheet and attached to the RFQ submittal.

Project Name: _____

Project Description: _____

Contractor's Project Manager: _____

Contractor's Superintendent: _____

Original Contract Value: _____

Change Order Amount: _____

Original Project Schedule(days): _____

Revised/Final Project Schedule (days): _____

Describe Change Orders (cost, schedule impact, and reason for change): _____

Were liquidated damages assessed or were there any claims on this project?

_____ Yes _____ No

If yes, describe amounts and details. _____

Owner's Contact Information (Entity, Contact Name, Role, Phone Number, email address)

SECTION 3: PERFORMANCE INFORMATION

PROVIDE: Provide answers to the following questions; provide documents where requested.

1. Based on the attached project drawings, is your company able to complete this work within 90 days upon receiving a Notice to Proceed?

_____ Yes _____ No

2. Has your company ever completed a public works construction project in a downtown environment within Ada County?

_____ Yes _____ No

3. Has your firm, or any of its parent company(s) or subsidiaries, in the last five (5) years:

Had any projects with any claims requiring mediation, arbitration, litigation or other formal dispute resolution from ongoing or former projects?

_____ Yes _____ No

Had liens placed by subcontractors?

_____ Yes _____ No

Received stopwork notice from project owner or AHJ?

_____ Yes _____ No

Failed to complete a construction contract or been terminated for any reason?

_____ Yes _____ No

Received one or more citations from OSHA or any AHJ's?

_____ Yes _____ No

Had any surety company make payments on your company's behalf as a result of default, to satisfy any claims made against a performance or payment bond, in connection with any public or private construction project?

_____ Yes _____ No

4. Within the last 3 years, has your company experienced any cyber incident such as social engineering, ransomware, privacy breach, etc.?

_____ Yes _____ No

5. Does your company have cyber security liability insurance?

_____ Yes _____ No

6. Does your company have cyber security protections in place such as multi-factor authentication and phishing campaigns for employees?

_____ Yes _____ No

7. Does your company have a health and safety training program? If yes, provide a PDF copy or link to document.

_____ Yes _____ No

8. Does your company conduct safety meetings during the course of a construction project? If yes, provide a copy of the safety meeting policy and a sample agenda.

_____ Yes _____ No

If you answered "yes" to any of the questions above, provide the project, dates, circumstances, resolution and/or other pertinent details on a separate page. Provide documents requested.

END OF EXHIBIT A

EXHIBIT B

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

PART I - CERTIFICATION

The undersigned Respondent declares, that he/she holds the position indicated below as a corporate officer or the owner or a partner in the business entity submitting these Qualifications; that the undersigned is informed of all relevant facts surrounding the preparation and submission of these Qualifications; and that the undersigned represents and warrants that all information provided is true, accurate, and complete.

PART II – WAIVER & RELEASE

The undersigned Respondent has read this waiver and release and fully accepts 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 pre-qualification selection process in response to the Request for Qualifications (RFQ) to pre-qualify public works contractors to bid its 17th Street Interim Streetscape Improvements Project.

A. Discretion of CCDC: The Idaho-licensed public works contractor making a submission to this RFQ agrees that CCDC has the right to, unless contrary to applicable state law:

- 1) Modify or suspend any and all aspects of the process seeking proposals and making any decisions concerning the RFQ;
- 2) Obtain further information from any person, entity, or group regarding the Respondent, and to ascertain the depth of Respondent’s capability and experience for supplying the desired services and in any and all other respects to meet with and consult with any Respondent or any other person, entity, or group;
- 3) Waive any formalities or defects as to form, procedure, or content with respect to CCDC’s RFQ to pre-qualify contractors and any response by any Respondent thereto;
- 4) Accept or reject any submission received in response to the RFQ, including any submission by the undersigned; or score one proposal over another in accordance with the selection criteria; and
- 5) 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:

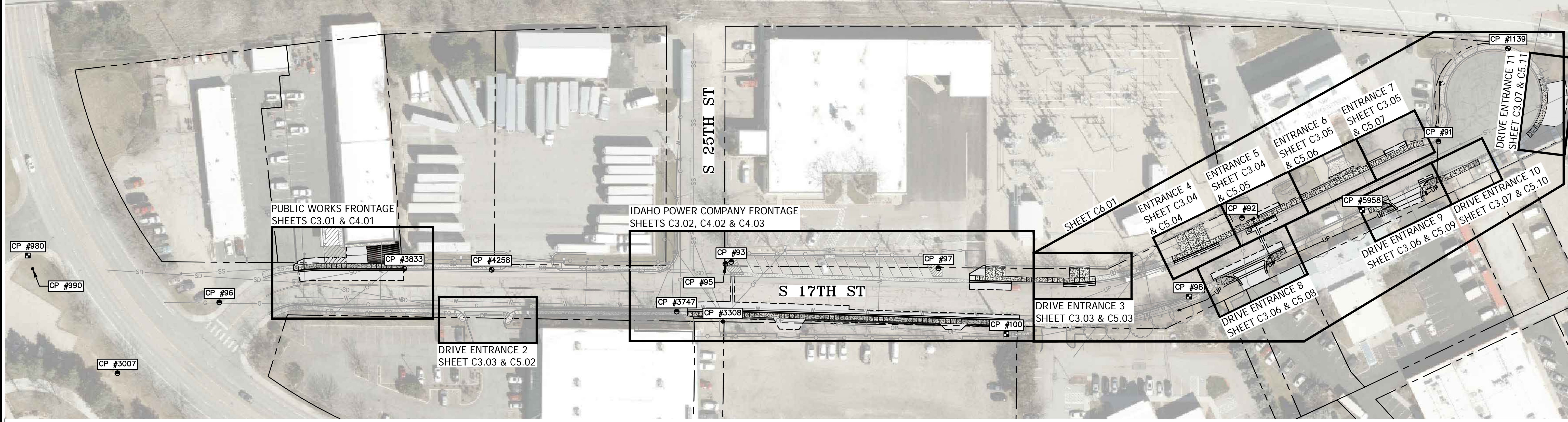
- 1) The undersigned agrees that CCDC shall have no liability whatsoever of any kind or character, directly or indirectly, by reason of all or any decision made at the discretion of CCDC as identified above.
- 2) The undersigned, including all team members, have carefully and thoroughly reviewed the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

SIGNATURE: **X** _____

Print Name / Title: _____

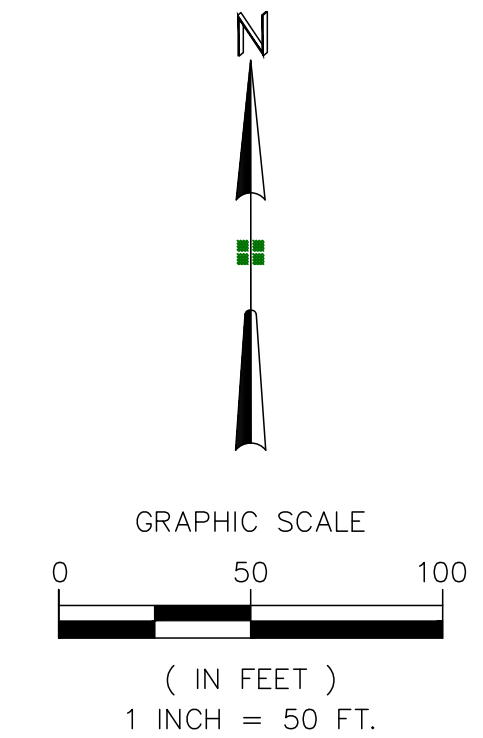
Name of Firm: _____

Date: _____



SURVEY CONTROL TABLE

POINT NO	NORTHING	EASTING	ELEVATION	DESCRIPTION
91	711808.62	2501125.35	2679.89	MAGNETIC NAIL
92	711730.47	2500924.53	2680.67	MAGNETIC NAIL
93	711685.35	2500402.48	2678.53	MAGNETIC NAIL
95	711683.33	2500396.52	2678.34	MAGNETIC NAIL
96	711644.02	2499879.28	2678.13	MAGNETIC NAIL
97	711678.88	2500614.20	2679.10	MAGNETIC NAIL
98	711649.92	2500870.43	2679.83	CHISELED "X"
100	711611.64	2500683.74	2680.55	CHISELED "X"
980	711691.93	2499683.56	2680.08	CHISELED "X"
990	711678.40	2499688.50	2679.33	1/2" REBAR WITH QCI CAP
1139	711903.70	2501196.40	2679.91	FOUND BRASS CAP
3007	711571.48	2499775.15	2678.70	MAGNETIC NAIL
3308	711624.37	2500393.89	2678.68	5/8" REBAR
3747	711634.56	2500346.72	2678.55	MAGNETIC NAIL
3833	711678.37	2500068.22	2678.09	FOUND BRASS CAP
4258	711677.40	2500157.58	2677.53	FOUND BRASS CAP
5958	711738.61	2501047.47	2679.87	CHISELED "X"



SURVEY DATUM

1. HORIZONTAL - NAD83 IDAHO STATE PLANE, WEST ZONE (1103), US SURVEY FEET MODIFIED TO GROUND USING ADA COUNTY COMBINED SCALE FACTOR OF 0.999820074379.
2. VERTICAL - NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988), COMPUTED USING GEOID 18.

USER: RICARDO ZAVALLA LOCATION: C:\PROJECTS\204-43 17TH STREET IMPROVEMENTS\CIVIL DESIGN - 244-43 CCDC 17TH ST.DWG

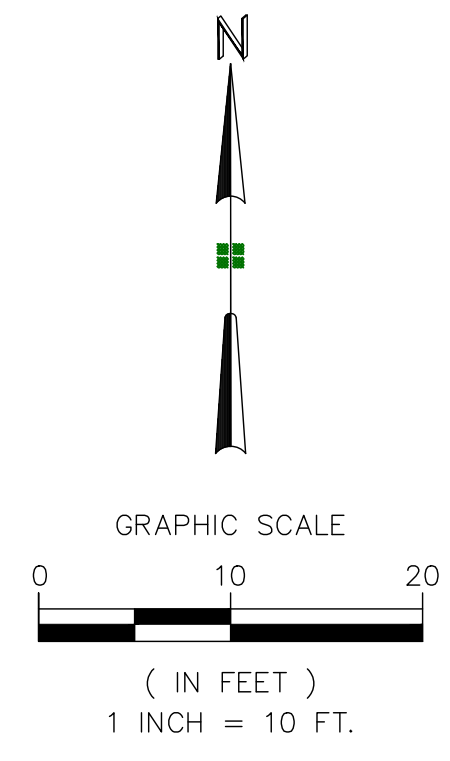
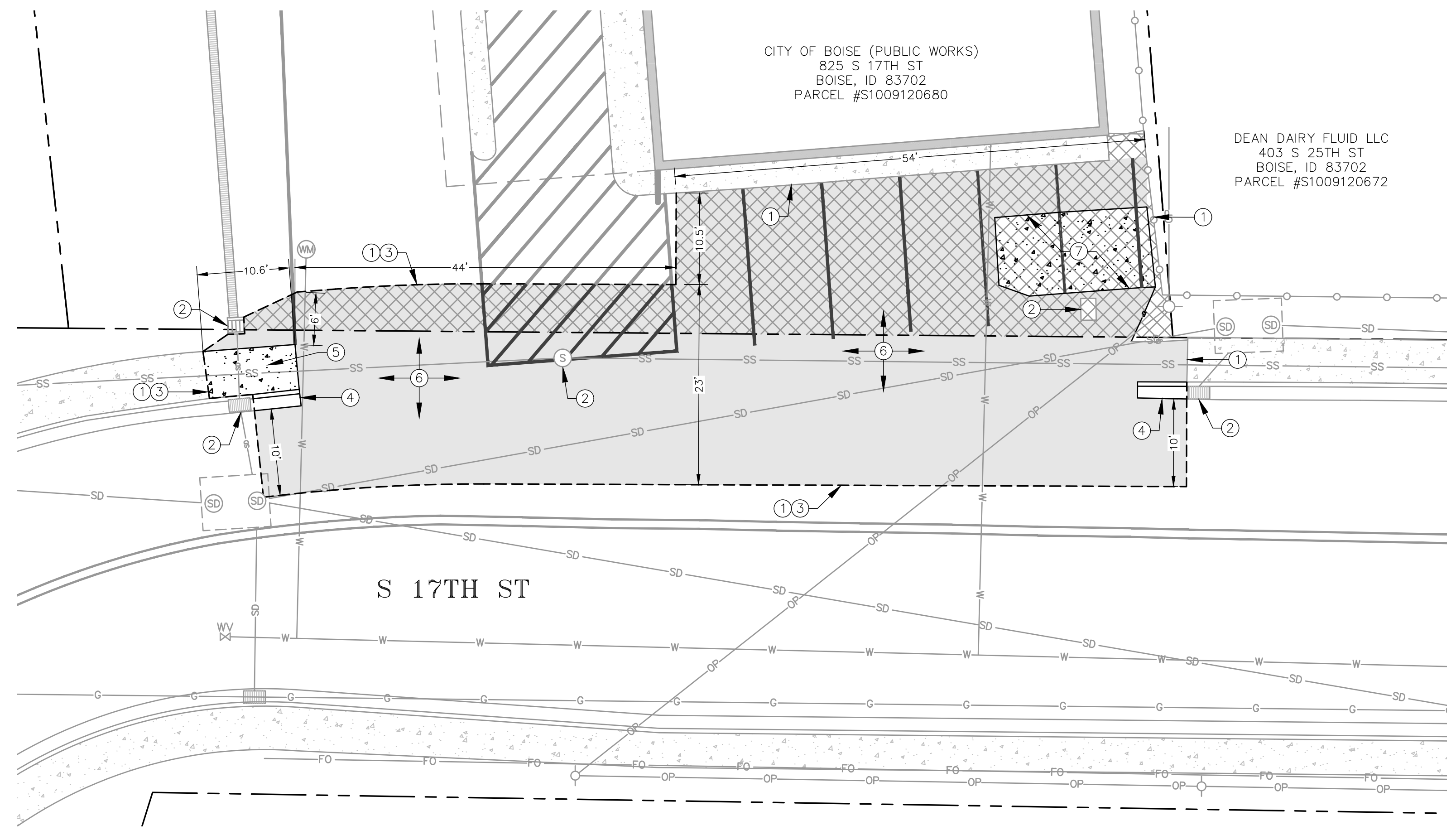
Quadrant Consulting, Inc.
 1904 W. Overland Rd
 Boise, Idaho 83705
 (208) 342-0091 PHONE (208) 342-0092 FAX
 CIVIL ENGINEERING-SURVEYING

PROFESSIONAL ENGINEER
 LICENSED
 15180
Ricardo Zavalla
 R. RICARDO ZAVALLA
 10/26/23

IDAHO
CCDC 17TH STREET IMPROVEMENTS
 OVERALL SITE AND SURVEY CONTROL
 DESIGN PHASE
 CONSTRUCTION PLANS
 BOISE
 PROJECT NUMBER 204-43
 CCDC TASK ORDER NUMBER 19-008

CHECKED BY: RZ
 PLOT DATE: 10/26/23
 REVISION
 NO. DATE BY
 SHEET
C2.02

USER: RICARDO ZAVALA LOCATION: C:\PROJECTS\204-43\17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\C3.01.DWG - 24.4.43 CCDC 17TH ST.PWS



HARDSCAPE DEMOLITION LEGEND

	SAW CUT LINE
	REMOVE CONCRETE CURB
	RETAIN AND PROTECT CONCRETE CURB
	REMOVE ASPHALT
	REMOVE CONCRETE
	RETAIN AND PROTECT CONCRETE
	TEMPORARY CONSTRUCTION EASEMENT

- KEYNOTES**
- ① LIMIT OF DISTURBANCE
 - ② RETAIN AND PROTECT
 - ③ SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAW CUT SIDEWALK AT SCORE JOINT
 - ④ REMOVE EXISTING CONCRETE CURB, DISPOSE OFF-SITE
 - ⑤ REMOVE EXISTING CONCRETE SIDEWALK, DISPOSE OFF-SITE
 - ⑥ REMOVE EXISTING ASPHALT, DISPOSE OFF-SITE
 - ⑦ CONTRACTOR SHALL EXCAVATE ALONG CONCRETE SLAB EDGE TO DETERMINE IF CONCRETE SLAB IS PART OF AN UNDERGROUND VAULT. IF CONCRETE IS NOT PART OF AN UNDERGROUND VAULT, REMOVE CONCRETE AND DISPOSE OFF-SITE. CALL RICARDO ZAVALA AT 208-602-1729 FOR INSPECTION PRIOR TO DEMOLISHING. MINIMUM 48 HOUR NOTICE IS REQUIRED.

Quadrant Consulting, Inc.
 1904 W. Overland Rd
 Boise, Idaho 83705
 (208) 342-0091 PHONE (208) 342-0092 FAX
 CIVIL ENGINEERING-SURVEYING



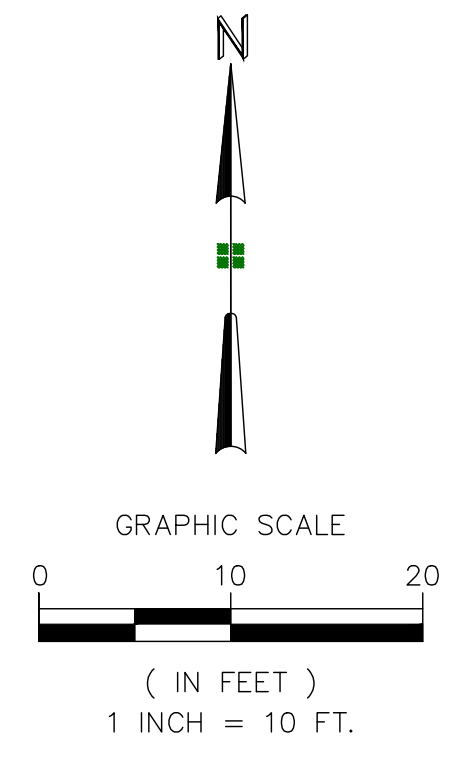
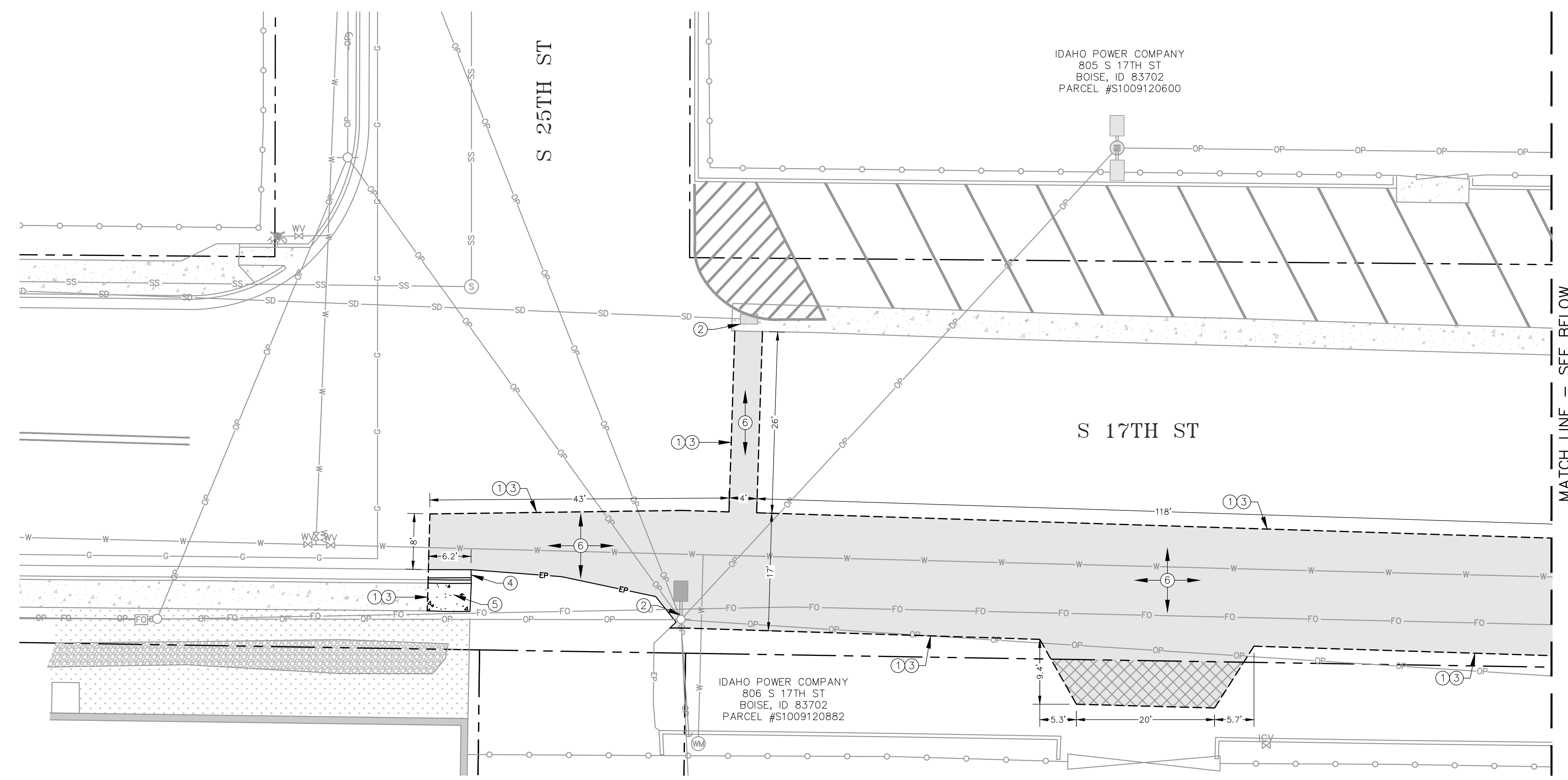
CCDC 17TH STREET IMPROVEMENTS
DEMOLITION PLAN - PUBLIC WORKS FRONTAGE

BOISE DESIGN PHASE PROJECT NUMBER 204-43
 CONSTRUCTION PLANS

CHECKED BY: RZ	DATE: 10/26/23		
DRAWN BY: RZ	DATE: 10/26/23		
NO.	DATE	BY	REVISION

SHEET
C3.01

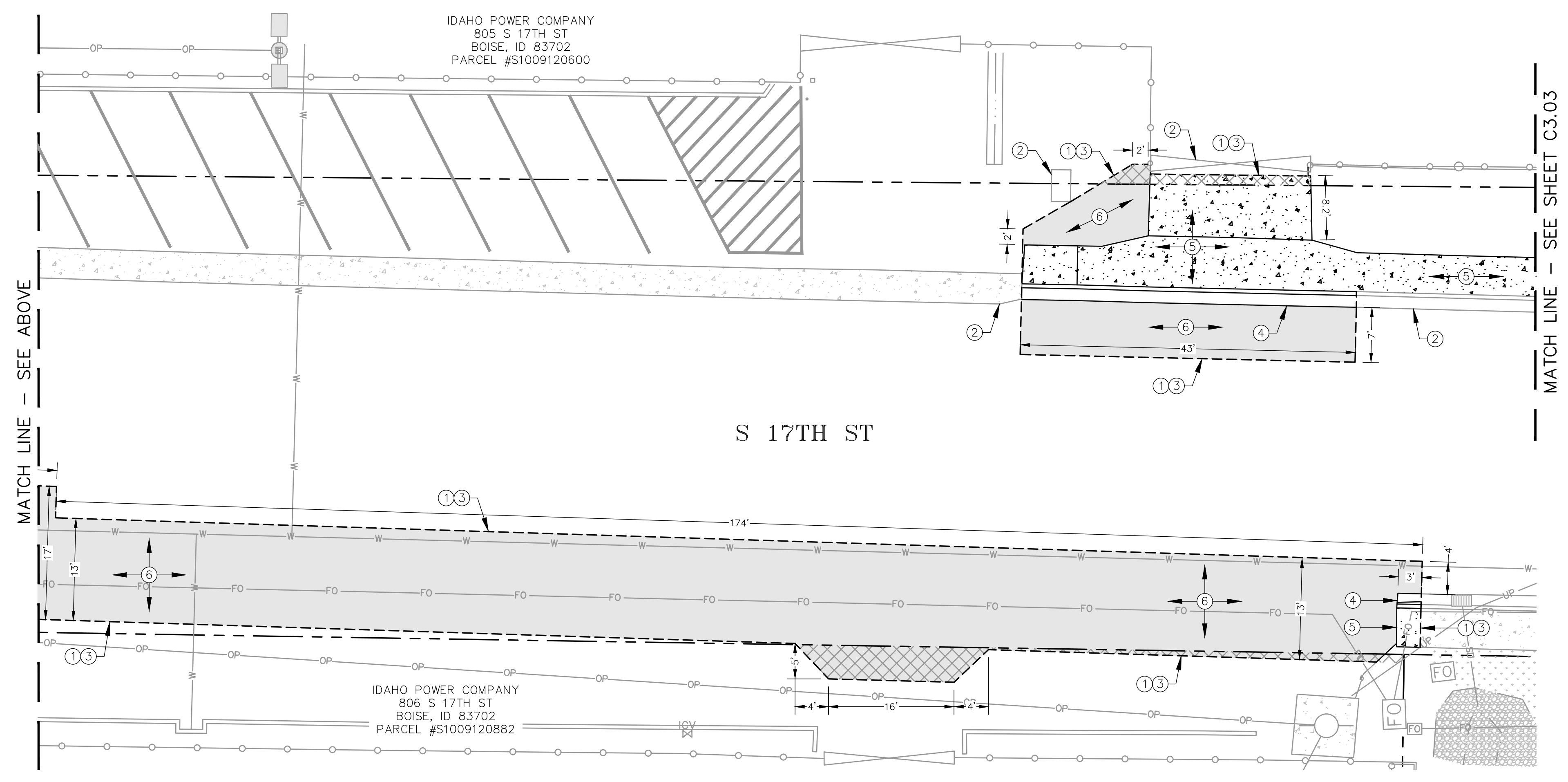
USER: RICARDO ZAVALLA LOCATION: CIVIL PROJECTS/204-43 17TH STREET IMPROVEMENTS/CIVIL DESIGN - 24143 CCDC 17TH ST.DWG



HARDSCAPE DEMOLITION LEGEND

	SAW CUT LINE
	REMOVE CONCRETE CURB
	RETAIN AND PROTECT CONCRETE CURB
	REMOVE ASPHALT
	REMOVE CONCRETE
	RETAIN AND PROTECT CONCRETE
	TEMPORARY CONSTRUCTION EASEMENT

- KEYNOTES**
- ① LIMIT OF DISTURBANCE
 - ② RETAIN AND PROTECT
 - ③ SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAW CUT SIDEWALK AT SCORE JOINT
 - ④ REMOVE EXISTING CONCRETE CURB, DISPOSE OFF-SITE
 - ⑤ REMOVE EXISTING CONCRETE SIDEWALK, DISPOSE OFF-SITE
 - ⑥ REMOVE EXISTING ASPHALT, DISPOSE OFF-SITE



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PROFESSIONAL ENGINEER
LICENSED
15180
Ricardo Zavalla
STATE OF IDAHO
RICARDO ZAVALLA
10/26/23

IDaho

CCDC 17TH STREET IMPROVEMENTS

DEMOLITION PLAN - IDAHO POWER COMPANY FRONTAGE

DESIGN PHASE
CONSTRUCTION PLANS

PROJECT NUMBER
204-43

CCDC TASK ORDER NUMBER
19-008

BOISE

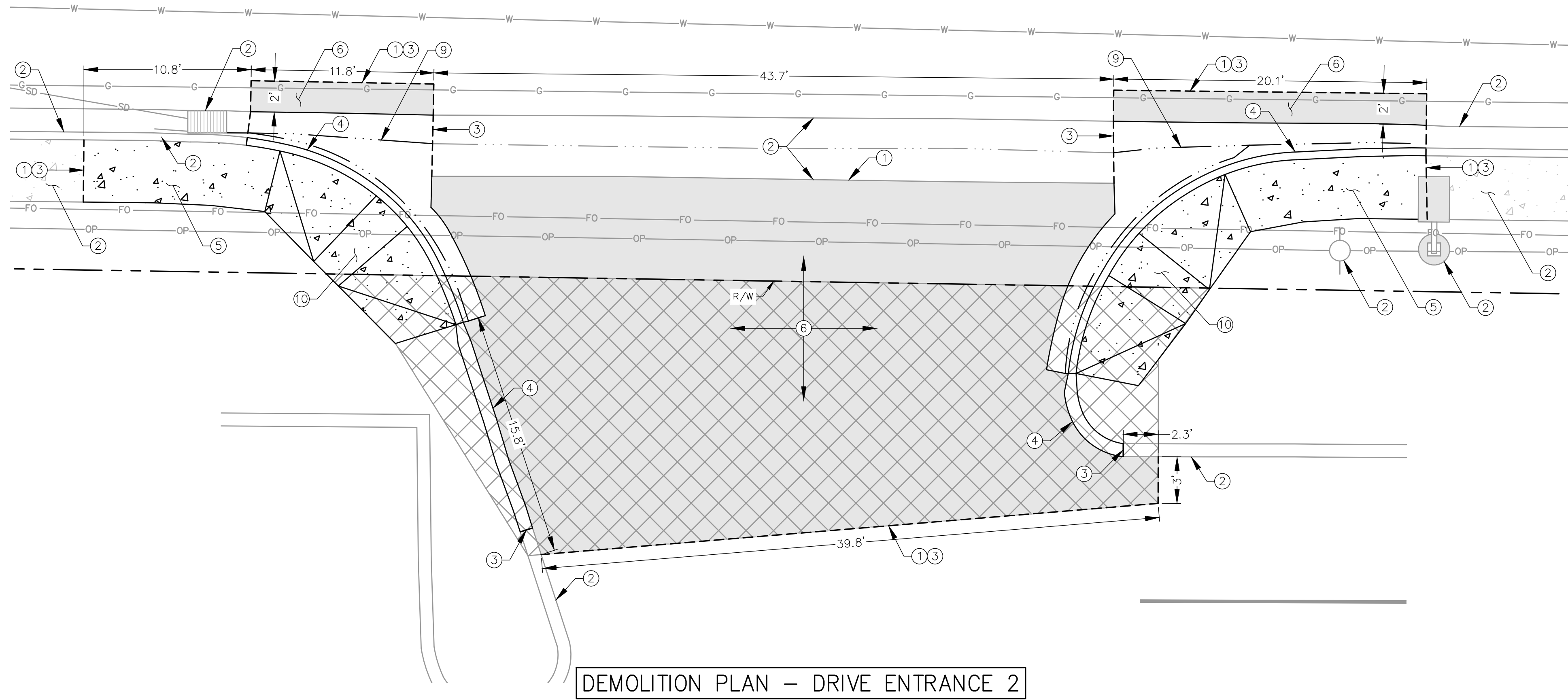
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PLOT DATE: 10/26/23

NO.	DATE	BY	REVISION

DESIGNED BY: RZ
DRAWN BY: RZ

SHEET
C3.02

S 17TH ST



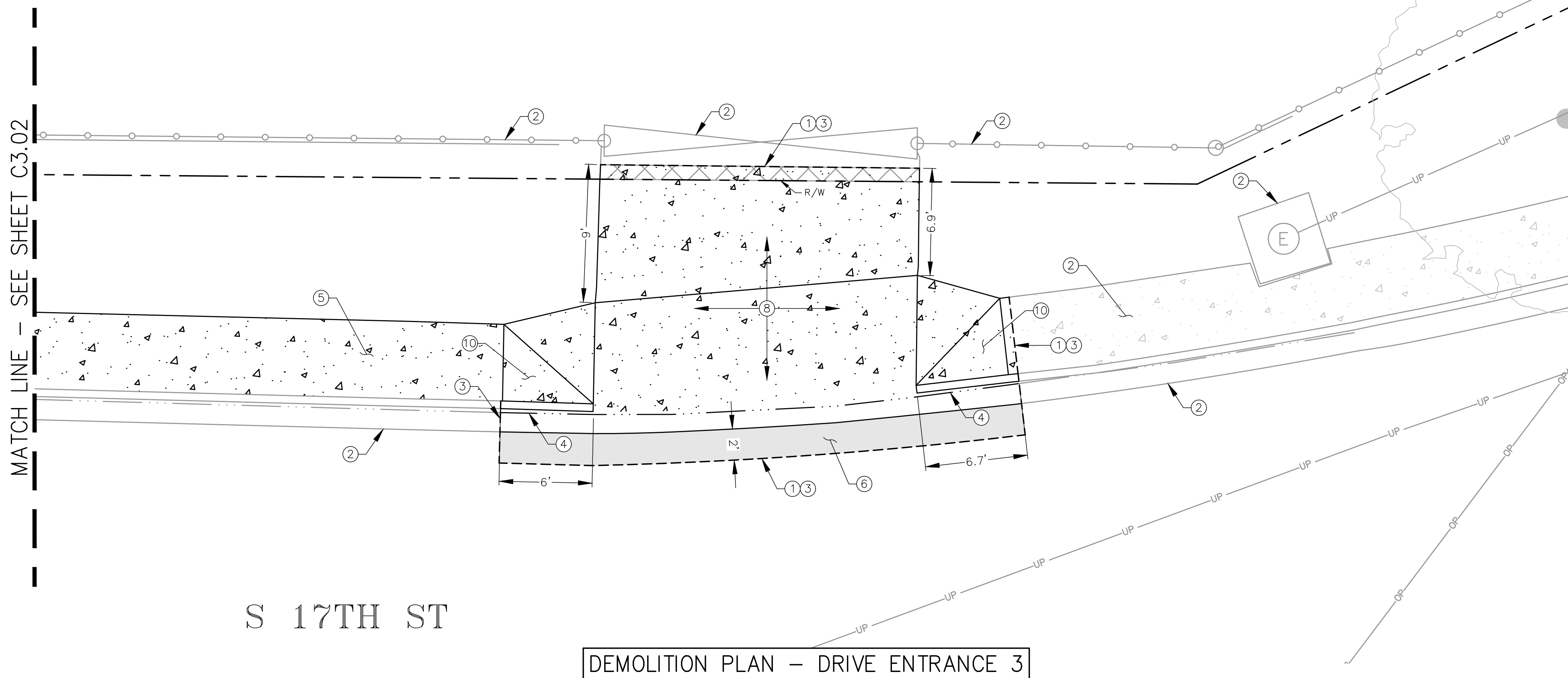
DEMOLITION PLAN - DRIVE ENTRANCE 2

HARDSCAPE DEMOLITION LEGEND

	SAW CUT LINE
	REMOVE CONCRETE CURB
	RETAIN AND PROTECT CONCRETE CURB
	REMOVE ASPHALT
	REMOVE CONCRETE
	RETAIN AND PROTECT CONCRETE
	TEMPORARY CONSTRUCTION EASEMENT

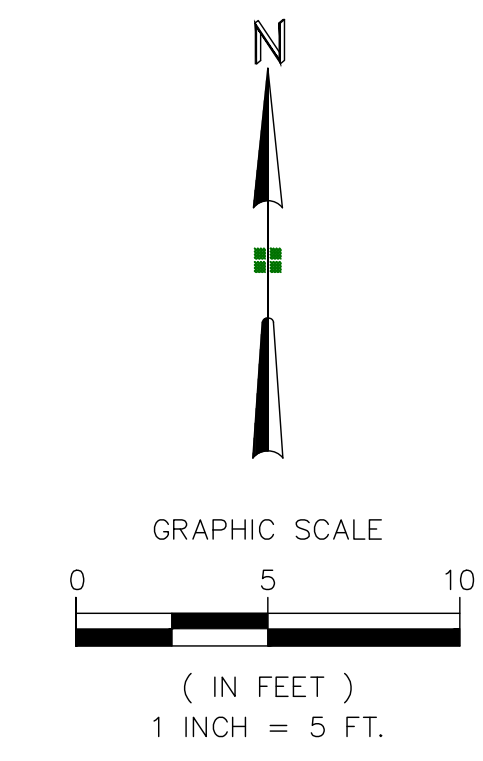
KEYNOTES

- 1 LIMIT OF DISTURBANCE
- 2 RETAIN AND PROTECT
- 3 SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAWCUT SIDEWALK AT SCORE JOINT.
- 4 REMOVE EXISTING CONCRETE CURB, DISPOSE OFF-SITE
- 5 REMOVE EXISTING CONCRETE SIDEWALK, DISPOSE OFF-SITE
- 6 REMOVE EXISTING ASPHALT, DISPOSE OFF-SITE
- 8 REMOVE EXISTING CONCRETE DRIVEWAY, DISPOSE OFF-SITE
- 9 REMOVE EXISTING CONCRETE GUTTER, DISPOSE OFF-SITE
- 10 REMOVE EXISTING CONCRETE RAMP, DISPOSE OFF-SITE



DEMOLITION PLAN - DRIVE ENTRANCE 3

S 17TH ST



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PROFESSIONAL ENGINEER
 LICENSED
 15180
 Ricardo Zavalta
 R. RICARDO ZAVALTA
 10/16/13

CCDC 17TH STREET IMPROVEMENTS
 DEMOLITION PLAN - DRIVE ENTRANCE 2 AND 3

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 BOISE
 CCDC TASK ORDER NUMBER: 19-008

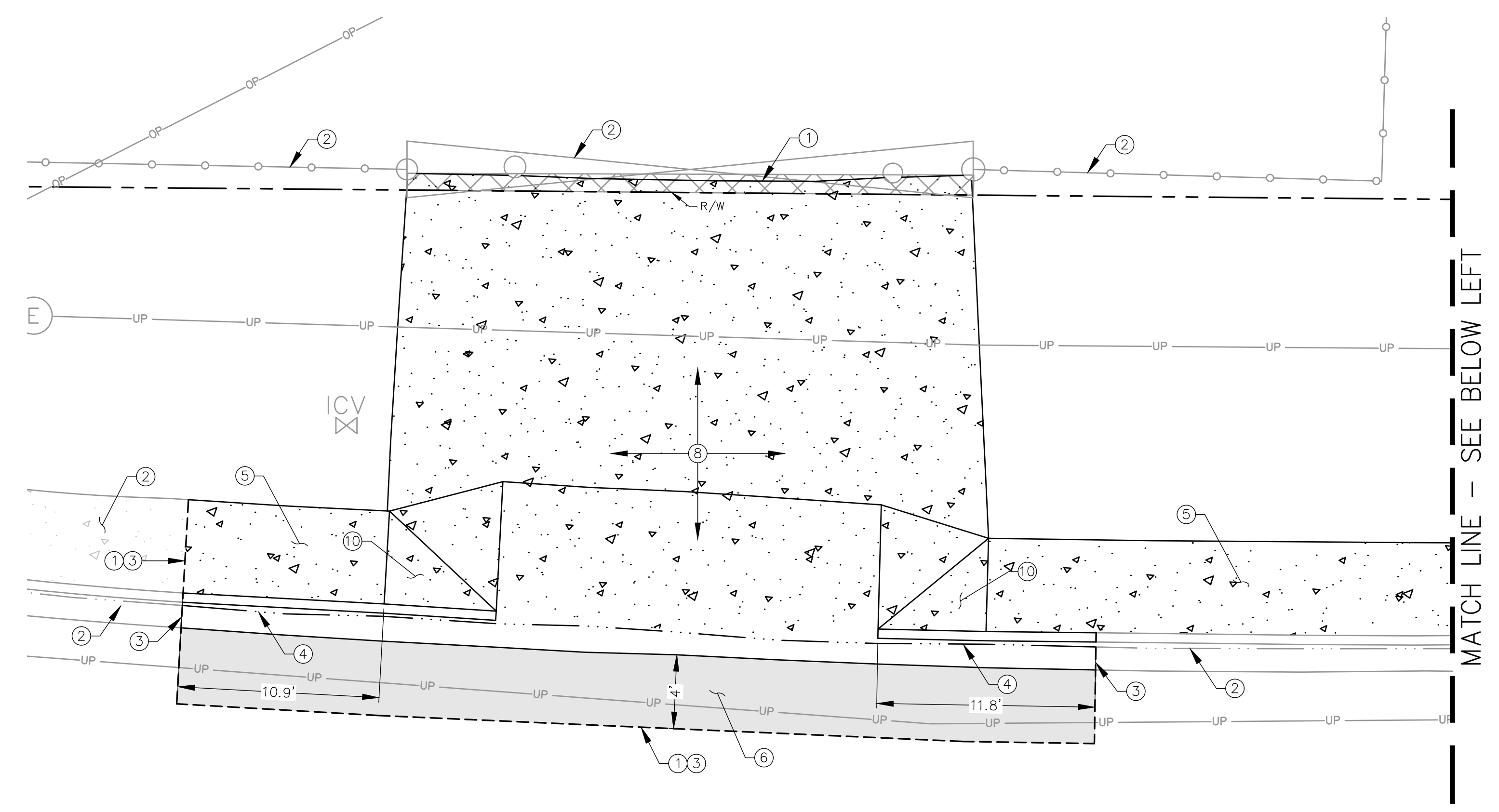
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NO.	DATE	BY	REVISION

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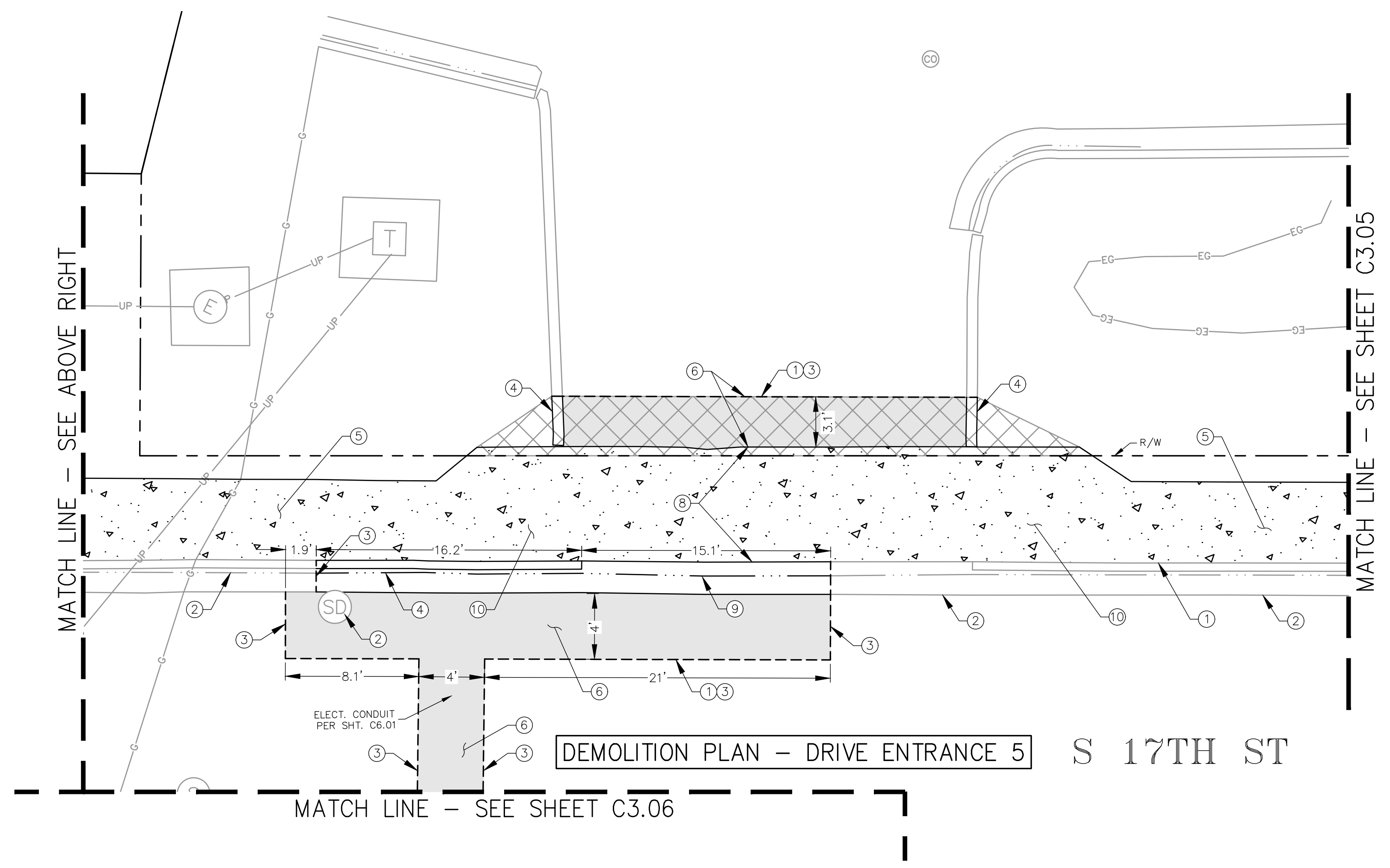
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S 17TH ST

DEMOLITION PLAN - DRIVE ENTRANCE 4



S 17TH ST

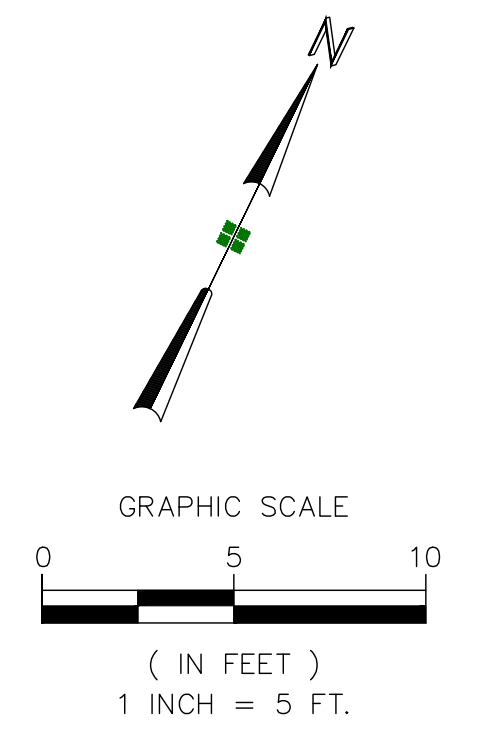
DEMOLITION PLAN - DRIVE ENTRANCE 5

HARDSCAPE DEMOLITION LEGEND

	SAW CUT LINE
	REMOVE CONCRETE CURB
	RETAIN AND PROTECT CONCRETE CURB
	REMOVE ASPHALT
	REMOVE CONCRETE
	RETAIN AND PROTECT CONCRETE
	TEMPORARY CONSTRUCTION EASEMENT

KEYNOTES

- 1 LIMIT OF DISTURBANCE
- 2 RETAIN AND PROTECT
- 3 SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAWCUT SIDEWALK AT SCORE JOINT.
- 4 REMOVE EXISTING CONCRETE CURB, DISPOSE OFF-SITE
- 5 REMOVE EXISTING CONCRETE SIDEWALK, DISPOSE OFF-SITE
- 6 REMOVE EXISTING ASPHALT, DISPOSE OFF-SITE
- 8 REMOVE EXISTING CONCRETE DRIVEWAY, DISPOSE OFF-SITE
- 9 REMOVE EXISTING CONCRETE GUTTER, DISPOSE OFF-SITE
- 10 REMOVE EXISTING CONCRETE RAMP, DISPOSE OFF-SITE



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 15180
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 R. RICARDO ZAVALTA
 10/26/23

CCDC 17TH STREET IMPROVEMENTS
 DEMOLITION PLAN - DRIVE ENTRANCE 4 AND 5

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 BOISE

CCDC TASK ORDER NUMBER: 19-008

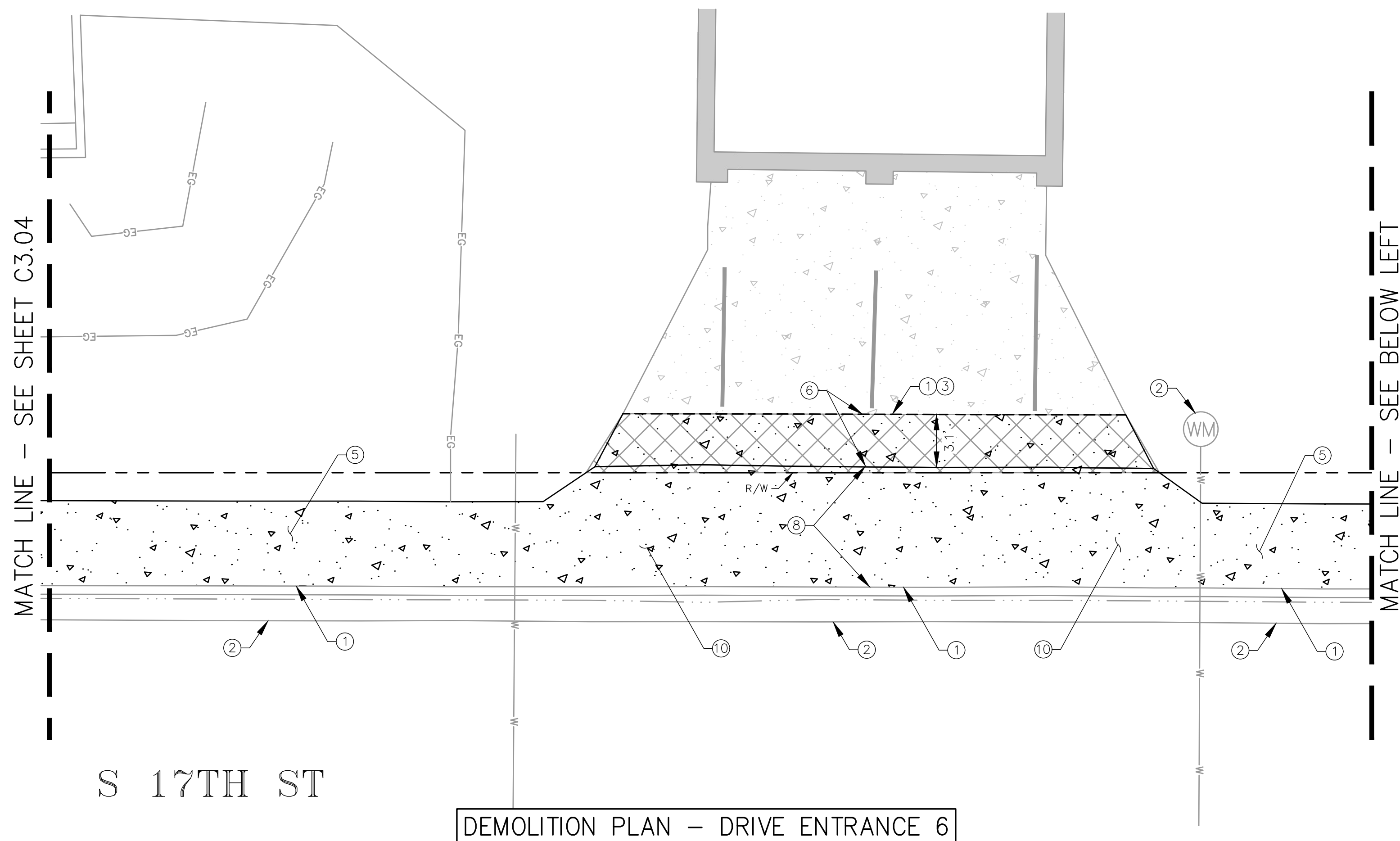
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NO.	DATE	BY	REVISION

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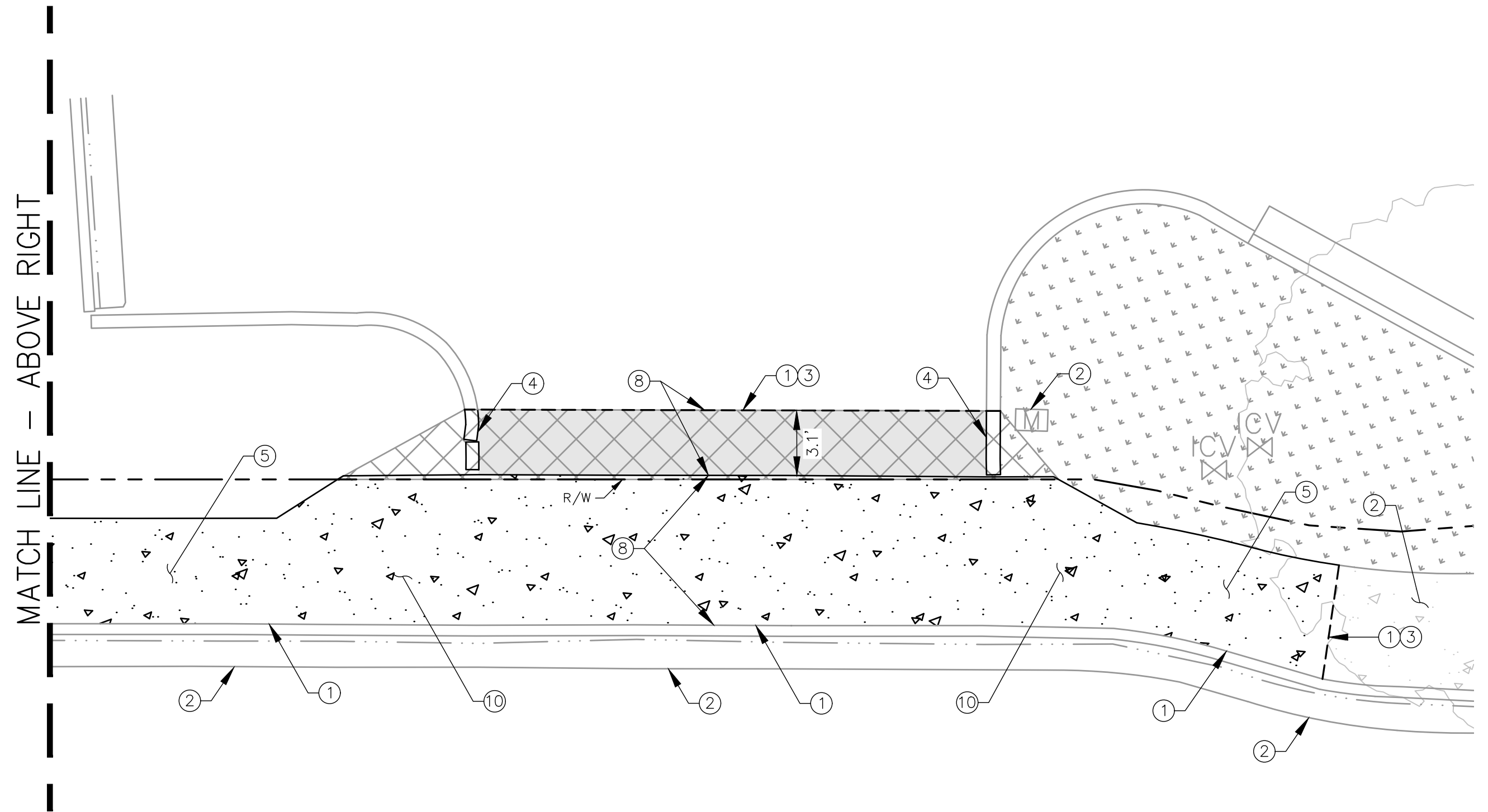
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S 17TH ST

DEMOLITION PLAN - DRIVE ENTRANCE 6



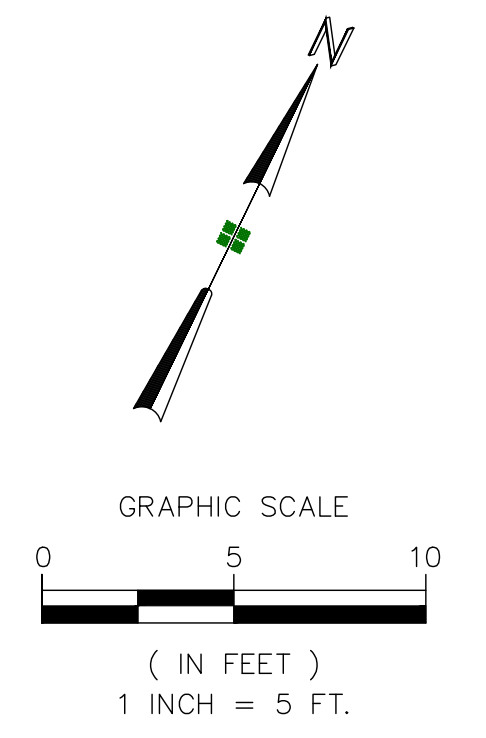
S 17TH ST

DEMOLITION PLAN - DRIVE ENTRANCE 7

HARDSCAPE DEMOLITION LEGEND

	SAW CUT LINE
	REMOVE CONCRETE CURB
	RETAIN AND PROTECT CONCRETE CURB
	REMOVE ASPHALT
	REMOVE CONCRETE
	RETAIN AND PROTECT CONCRETE
	TEMPORARY CONSTRUCTION EASEMENT

- KEYNOTES**
- 1 LIMIT OF DISTURBANCE
 - 2 RETAIN AND PROTECT
 - 3 SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAWCUT SIDEWALK AT SCORE JOINT.
 - 4 REMOVE EXISTING CONCRETE CURB, DISPOSE OFF-SITE
 - 5 REMOVE EXISTING CONCRETE SIDEWALK, DISPOSE OFF-SITE
 - 6 REMOVE EXISTING ASPHALT, DISPOSE OFF-SITE
 - 8 REMOVE EXISTING CONCRETE DRIVEWAY, DISPOSE OFF-SITE
 - 10 REMOVE EXISTING CONCRETE RAMP, DISPOSE OFF-SITE



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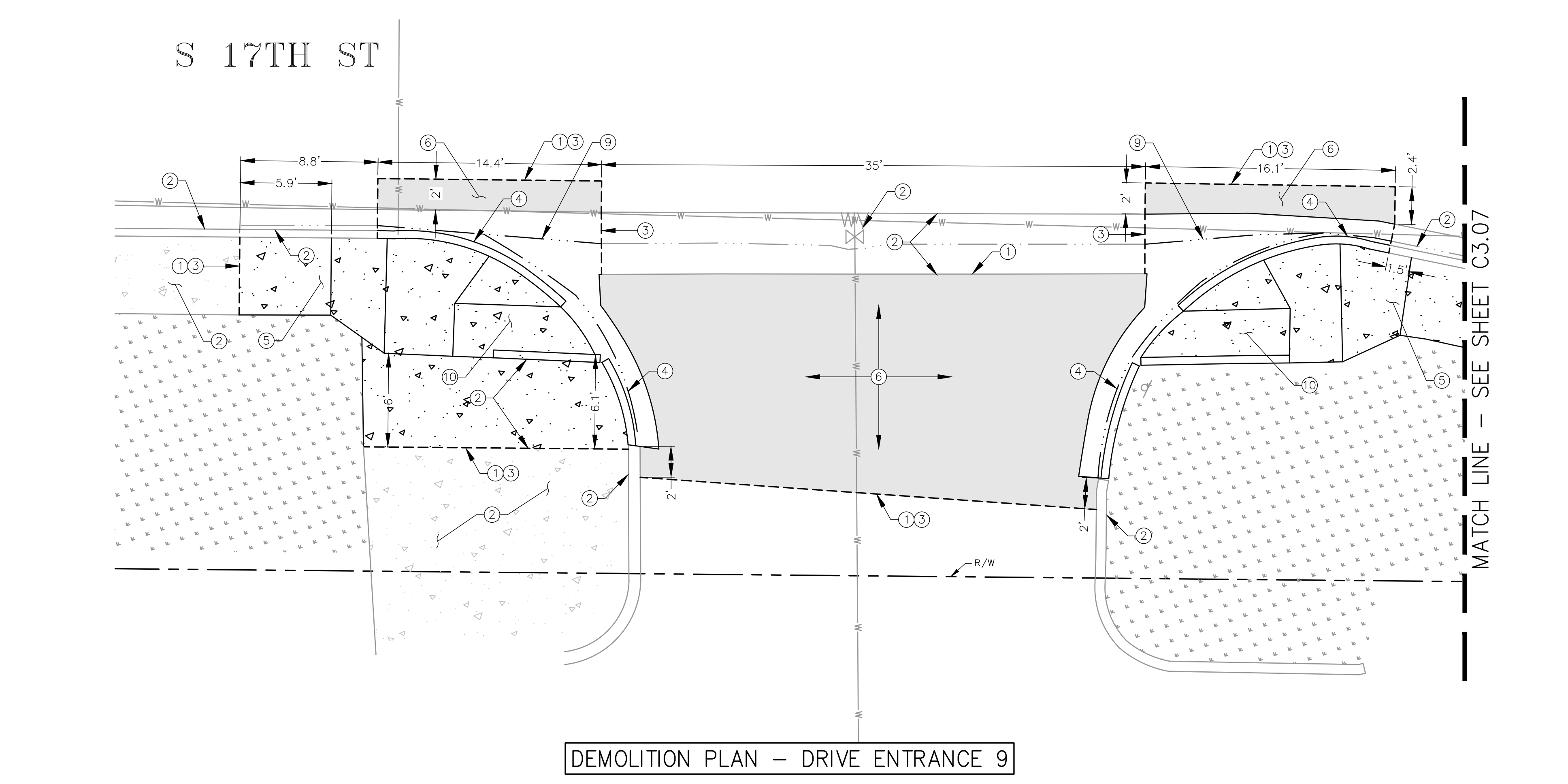
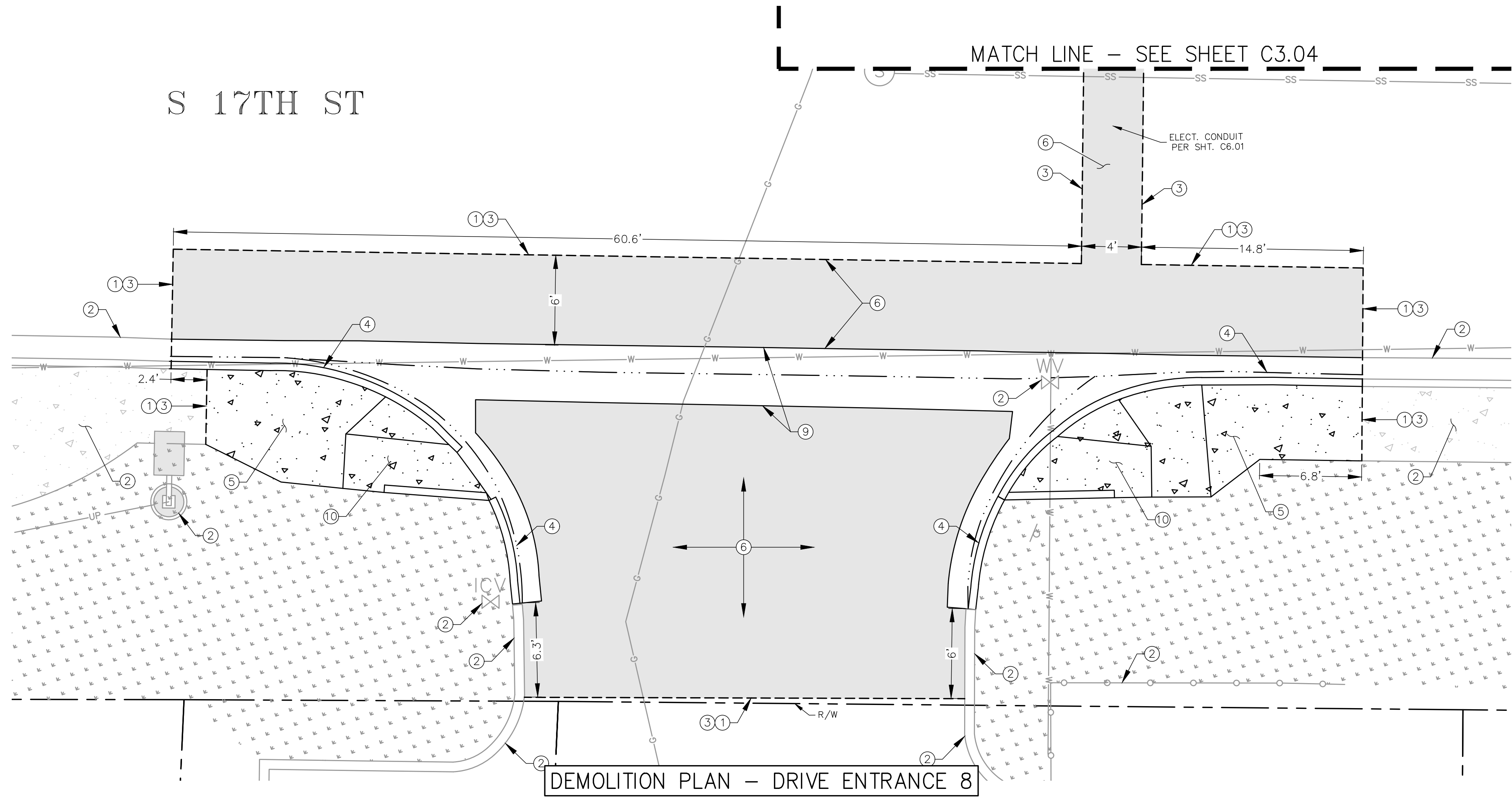
PROFESSIONAL ENGINEER
 LICENSED
 15180
 Ricardo Zavalta
 R. RICARDO ZAVALTA
 10/16/13

CCDC 17TH STREET IMPROVEMENTS
 DEMOLITION PLAN - DRIVE ENTRANCE 6 AND 7

BOISE DESIGN PHASE PROJECT NUMBER 204-43
 CONSTRUCTION PLANS CCDC TASK ORDER NUMBER 19-008

DESIGNED BY: RZ/TP	CHECKED BY: RZ		
DRAWN BY: RZ/TP	PLOT DATE: 10/26/23		
NO.	DATE	BY	REVISION

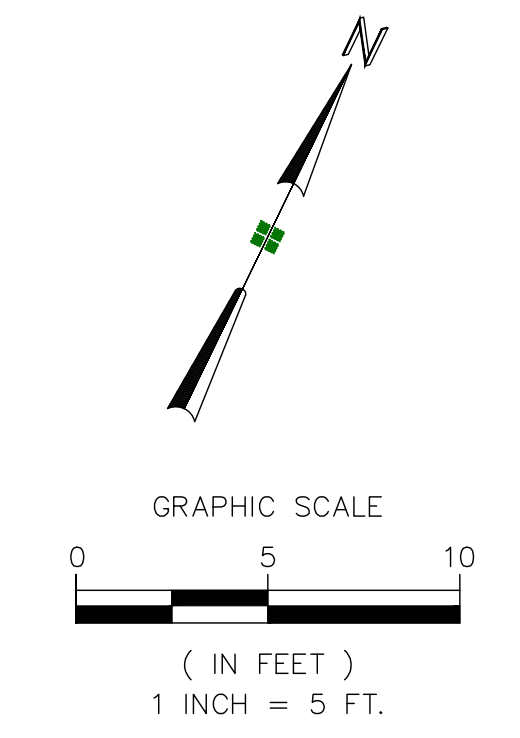
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HARDSCAPE DEMOLITION LEGEND

	SAW CUT LINE
	REMOVE CONCRETE CURB
	RETAIN AND PROTECT CONCRETE CURB
	REMOVE ASPHALT
	REMOVE CONCRETE
	RETAIN AND PROTECT CONCRETE
	TEMPORARY CONSTRUCTION EASEMENT

- KEYNOTES**
- 1 LIMIT OF DISTURBANCE
 - 2 RETAIN AND PROTECT
 - 3 SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAWCUT SIDEWALK AT SCORE JOINT.
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 - 9 REMOVE EXISTING CONCRETE GUTTER, DISPOSE OFF-SITE
 - 10 REMOVE EXISTING CONCRETE RAMP, DISPOSE OFF-SITE



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 IDAHO

CCDC 17TH STREET IMPROVEMENTS
 DEMOLITION PLAN - DRIVE ENTRANCE 8 AND 9

PROJECT NUMBER 204-43
 DESIGN PHASE CONSTRUCTION PLANS
 BOISE

CCDC TASK ORDER NUMBER 19-008

CHECKED BY: RZ
 PLOT DATE: 10/26/23
 REVISION

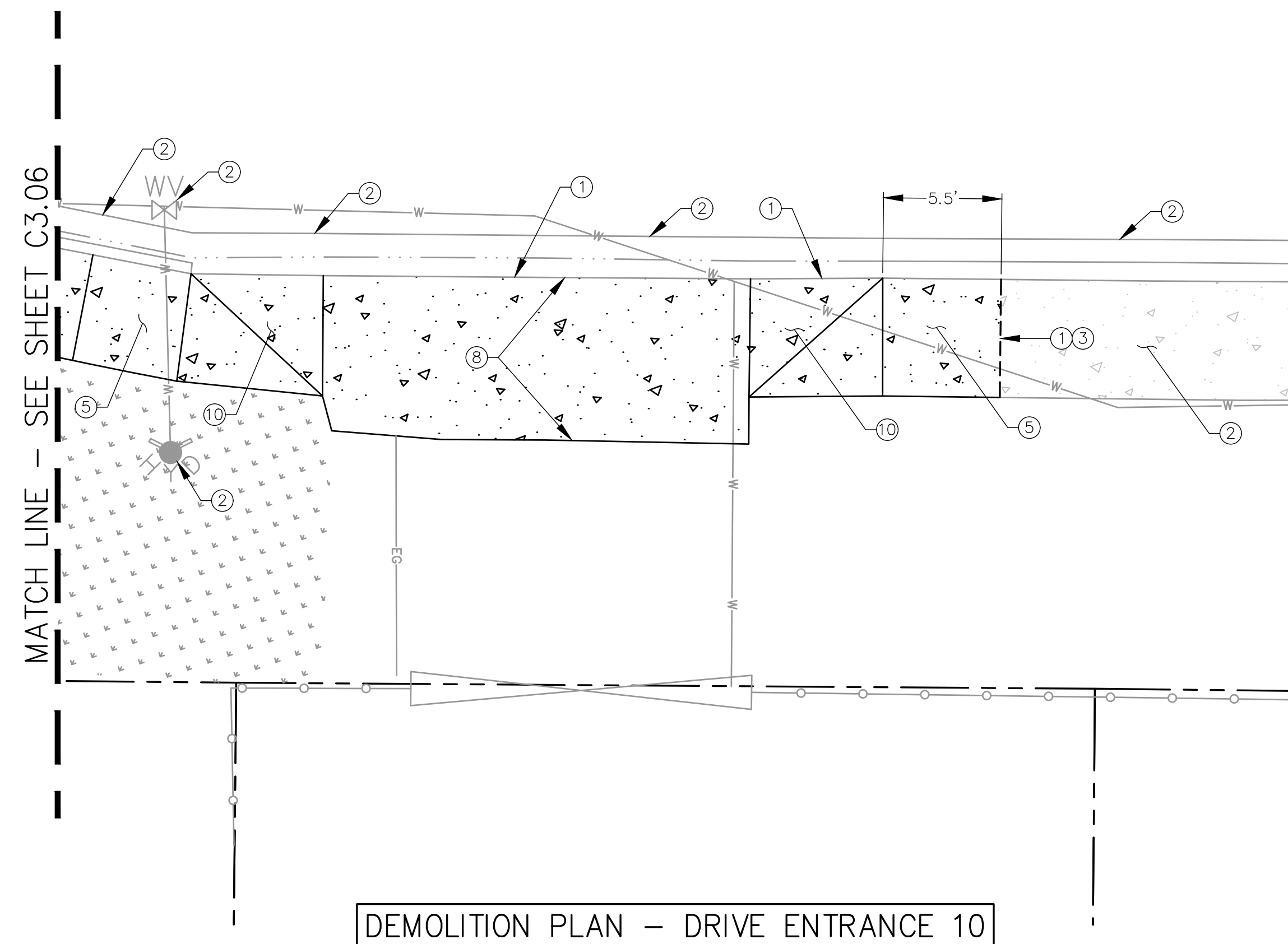
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DESIGNED BY: RZ/TP
 DRAWN BY: RZ/TP

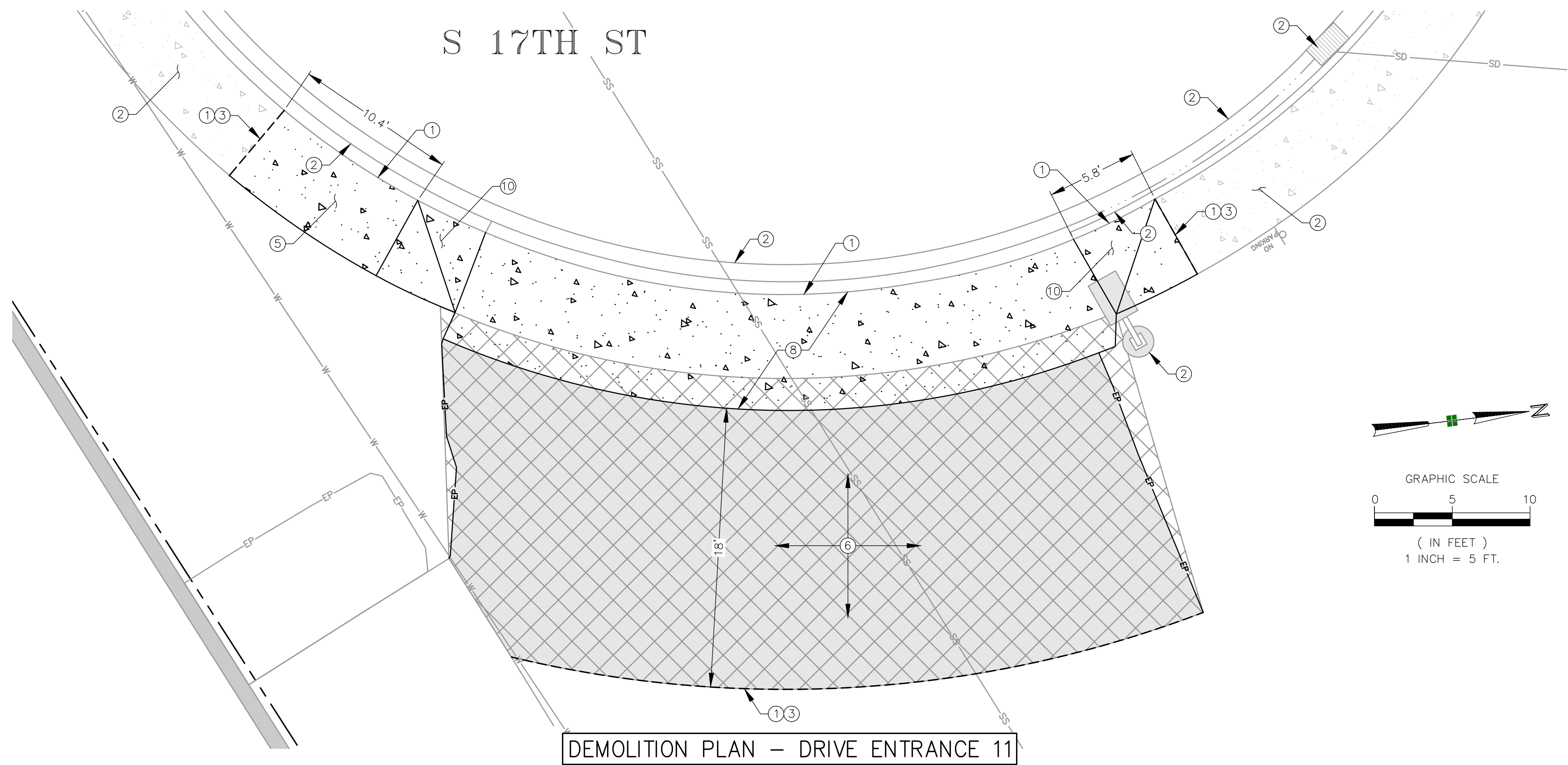
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S 17TH ST



DEMOLITION PLAN - DRIVE ENTRANCE 10



DEMOLITION PLAN - DRIVE ENTRANCE 11

HARDSCAPE DEMOLITION LEGEND

- SAW CUT LINE
- REMOVE CONCRETE CURB
- RETAIN AND PROTECT CONCRETE CURB
- REMOVE ASPHALT
- REMOVE CONCRETE
- RETAIN AND PROTECT CONCRETE
- TEMPORARY CONSTRUCTION EASEMENT

KEYNOTES

- ① LIMIT OF DISTURBANCE
- ② RETAIN AND PROTECT
- ③ SAW CUT EXISTING CONCRETE AND/OR ASPHALT AS SHOWN, SAWCUT SIDEWALK AT SCORE JOINT.
- ⑤ REMOVE EXISTING CONCRETE SIDEWALK, DISPOSE OFF-SITE
- ⑥ REMOVE EXISTING ASPHALT, DISPOSE OFF-SITE
- ⑧ REMOVE EXISTING CONCRETE DRIVEWAY, DISPOSE OFF-SITE
- ⑩ REMOVE EXISTING CONCRETE RAMP, DISPOSE OFF-SITE

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PROFESSIONAL ENGINEER
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 15180
 R. RICARDO ZAVALA
 IDAHO
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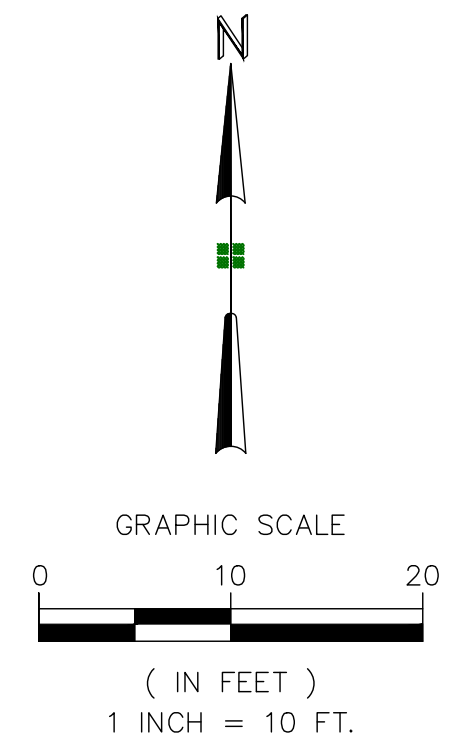
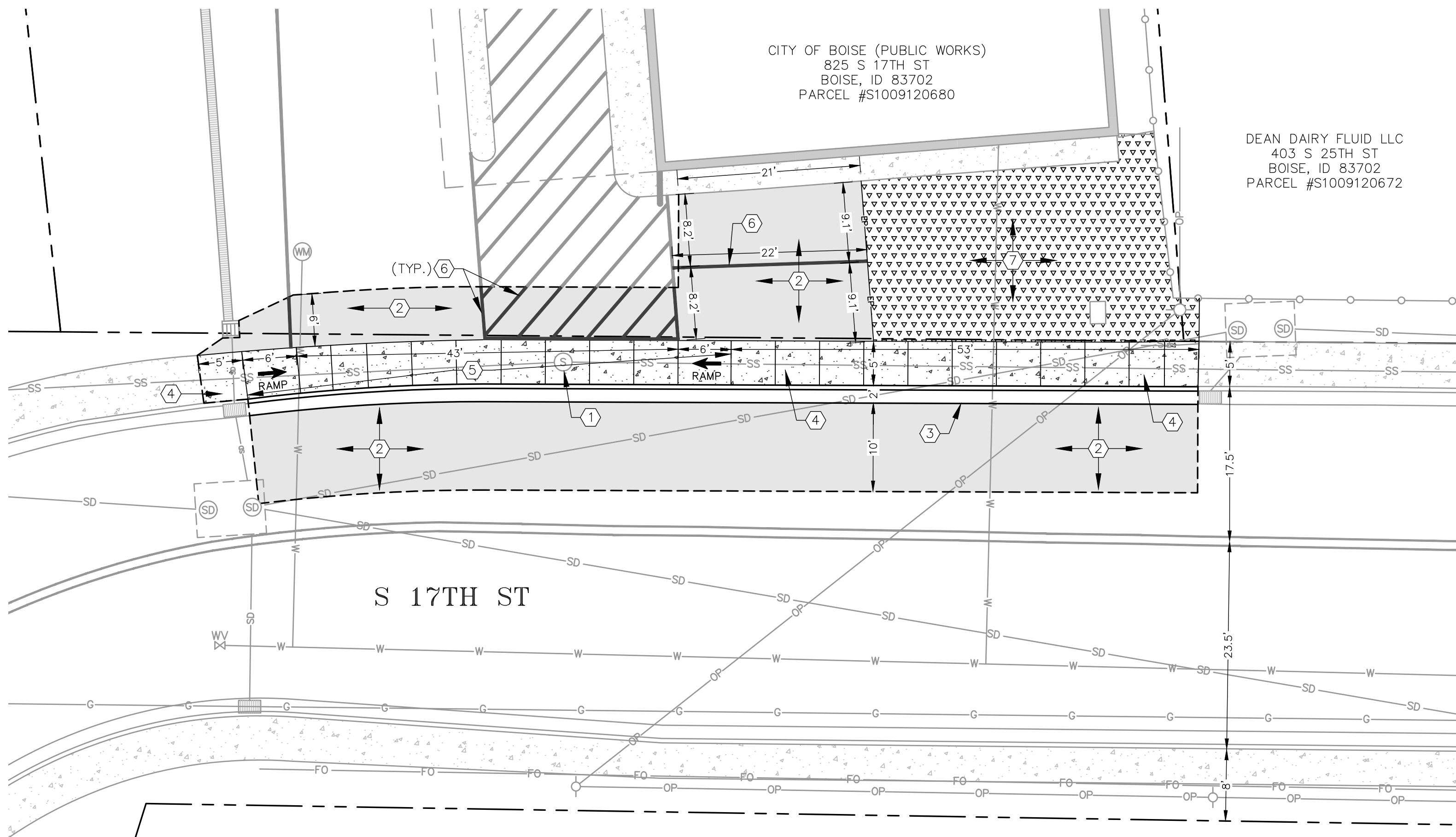
CCDC 17TH STREET IMPROVEMENTS
 DEMOLITION PLAN - DRIVE ENTRANCE 10 AND 11

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 CCDC TASK ORDER NUMBER: 19-008

BOISE

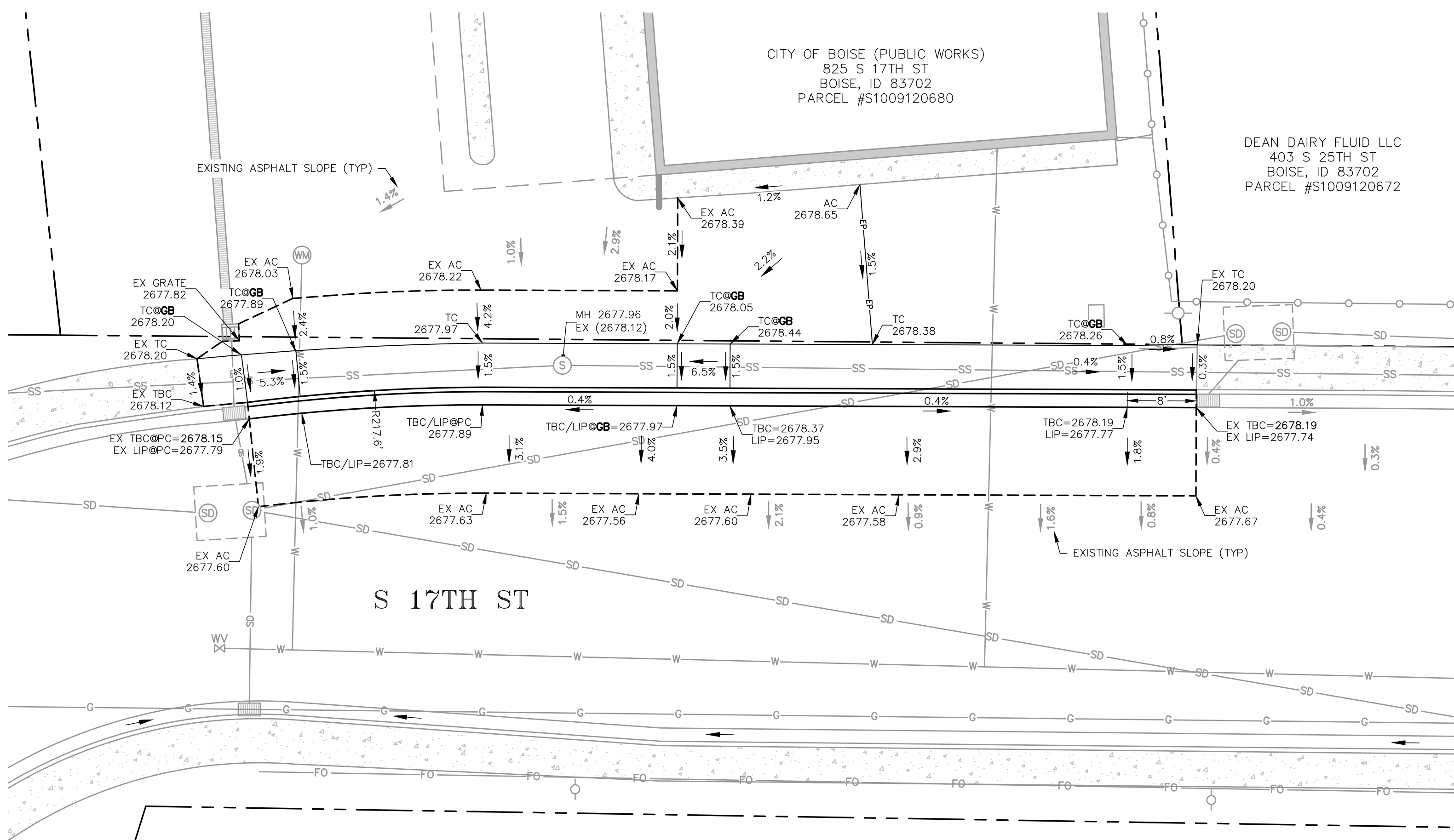
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DRAWN BY: RZ/TP	PLOT DATE: 10/26/23		
NO.	DATE	BY	REVISION

USER: RICARDO ZAVALA LOCATION: C:\PROJECTS\204-43_17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\204-43 CCDC 17TH ST.DWG



KEYNOTES

- ① ADJUST TO FINISHED GRADE
- ② ASPHALT REPAIR PER DETAIL 1/CD1.00
- ③ 6" VERTICAL CURB AND GUTTER PER ACHD SUPPLEMENT TO ISPWC SD-701
- ④ CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPWC SD-709
- ⑤ CONCRETE DRIVEWAY APPROACH PER ACHD SUPPLEMENT TO ISPWC SD-710B
- ⑥ 4"-WIDE YELLOW PARKING STRIPING MEETING ISPWC SECTION 1104 REQUIREMENTS
- ⑦ 4" THICKNESS OF ROCK MULCH UNDERLAIN BY WEED BARRIER FABRIC, MATCH EXISTING ROCK MULCH AT 805 S 17TH ST (IDAHO POWER COMPANY PROPERTY)



Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer assures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: *[Signature]* DATE: 10/26/23
 ADA COUNTY HIGHWAY DISTRICT

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PROFESSIONAL ENGINEER
 LICENSED
 15180
[Signature]
 R. CARDO ZAVALLA
 10/26/23

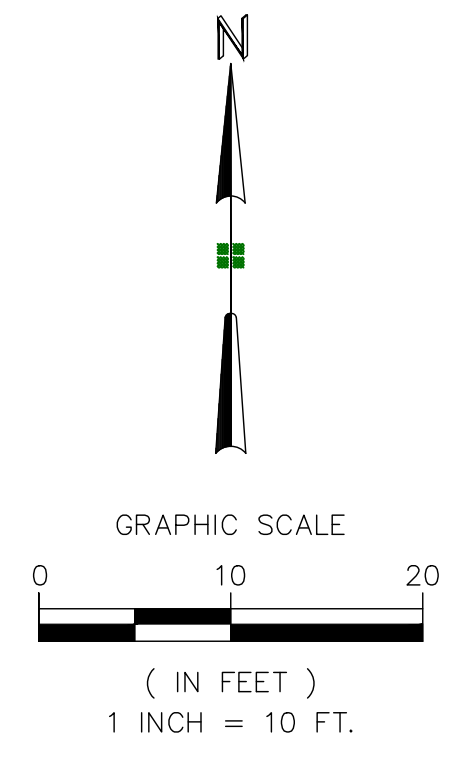
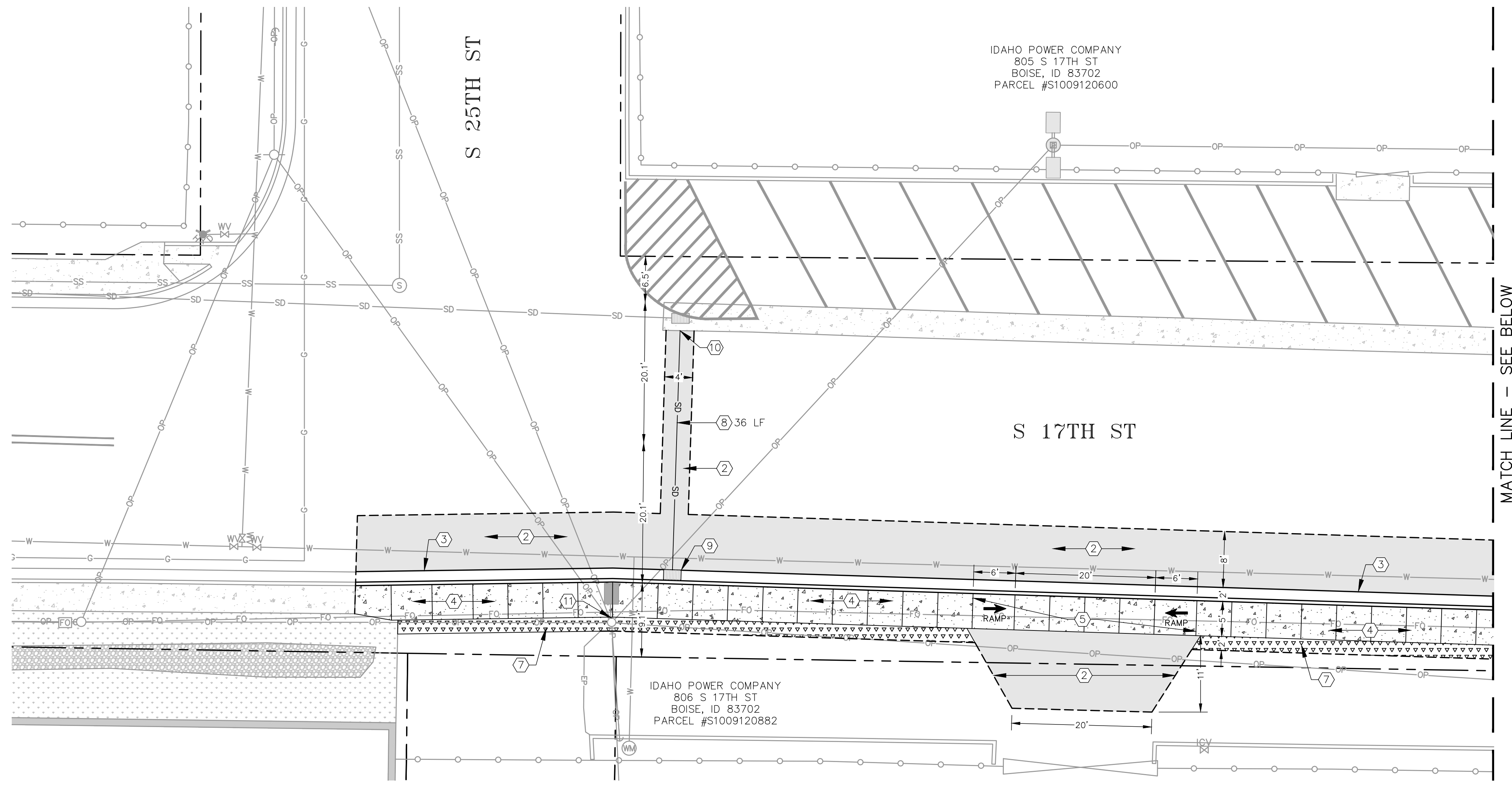
CCDC 17TH STREET IMPROVEMENTS
 SITE PLAN AND GRADING PLAN - PUBLIC WORKS FRONTAGE

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 BOISE

DESIGNED BY: RZ	CHECKED BY: RZ		
DRAWN BY: RZ	PLOT DATE: 10/26/23		
NO.	DATE	BY	REVISION

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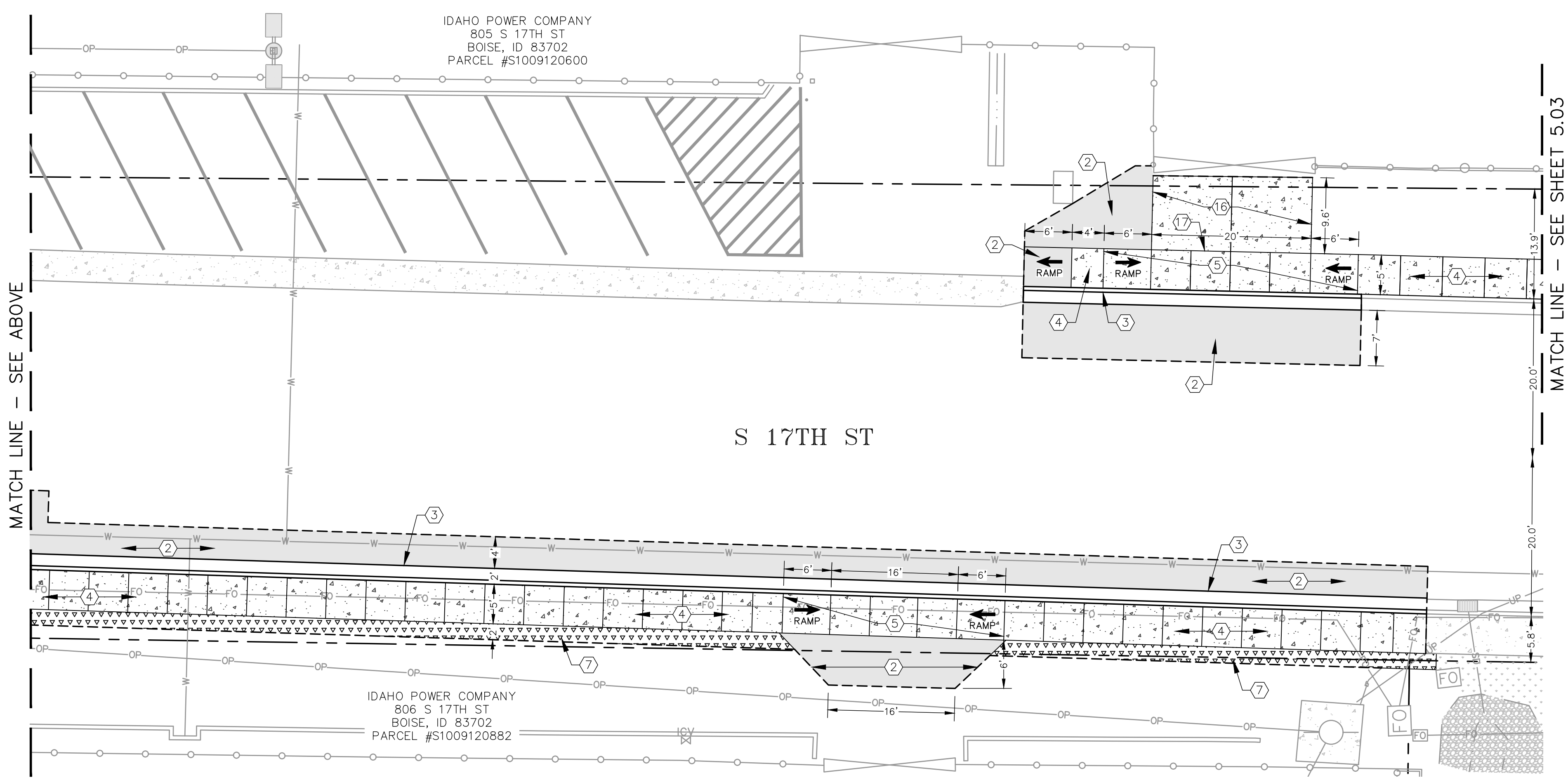
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- KEYNOTES**
- (2) ASPHALT REPAIR PER DETAIL 1/CD1.00
 - (3) 6" VERTICAL CURB AND GUTTER PER ACHD SUPPLEMENT TO ISPC SD-701
 - (4) CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPC SD-709
 - (5) CONCRETE DRIVEWAY APPROACH PER ACHD SUPPLEMENT TO ISPC SD-710B
 - (7) 4" THICKNESS OF ROCK MULCH UNDERLAIN BY WEED BARRIER FABRIC, MATCH EXISTING ROCK MULCH AT 805 S 17TH ST (IDAHO POWER COMPANY PROPERTY)
 - (8) 12" SDR 35 PVC PIPE PER ISPC SD-301
 - (9) INLET CATCH BASIN TYPE 1 PER ACHD SUPPLEMENTAL TO ISPC SD-601
 - (10) CORE DRILL EXISTING CATCH BASIN AND INSTALL NEW PIPE, INSTALL NON-SHRINK GROUT AROUND PIPE PENETRATION. CONTRACTOR SHALL CALL ACHD INSPECTION STAFF TO VERIFY INTEGRITY OF EXISTING CATCH BASIN PRIOR TO CORE DRILLING.
 - (11) 2" GAP BETWEEN BACK OF SIDEWALK AND POWER POLE
 - (14) PEDESTRIAN RAMP TYPE C4 PER ISPC SD-712C
 - (16) CONCRETE PAVEMENT PER DETAIL 2/CD1.00
 - (17) 3" BITUMINOUS PREFORMED EXPANSION JOINT MATERIAL (AASHTO M 213) WITH POLYURETHANE SEALANT (TREMCO THC-901, OR APPROVED EQUAL)
 - (21) ADA DETECTABLE WARNING DOMES PER ISPC SD-712

LANDSCAPE NOTE

1. REPAIR DISTURBED SOD, LANDSCAPING AND IRRIGATION SYSTEM PER ACHD STANDARD SPECIAL PROVISIONS.



Plans Are Accepted For Public Street Construction

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By: *[Signature]* DATE: 10/26/23
ADA COUNTY HIGHWAY DISTRICT

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15180
Ricardo Zavalla
STATE OF IDAHO
RICARDO ZAVALLA
10/26/23

IDAHO

PROJECT NUMBER 204-43

CCDC TASK ORDER NUMBER 19-008

BOISE

DESIGN PHASE CONSTRUCTION PLANS

CHECKED BY: RZ

PLOT DATE: 10/26/23

DRAWN BY: RZ

REVISION

DESIGNED BY: RZ

NO.

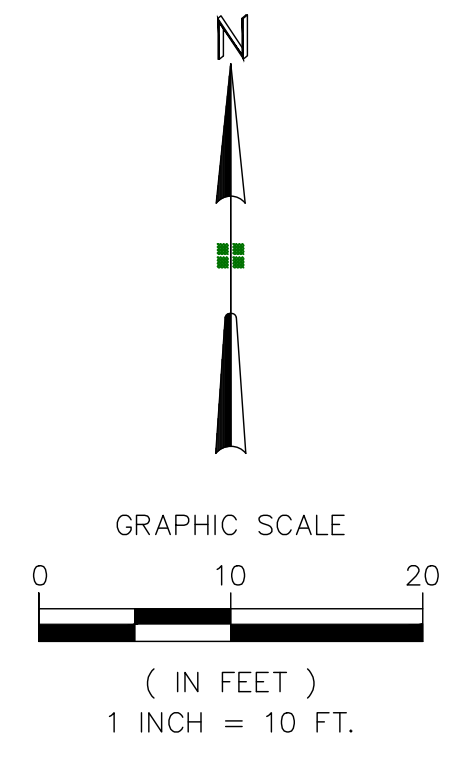
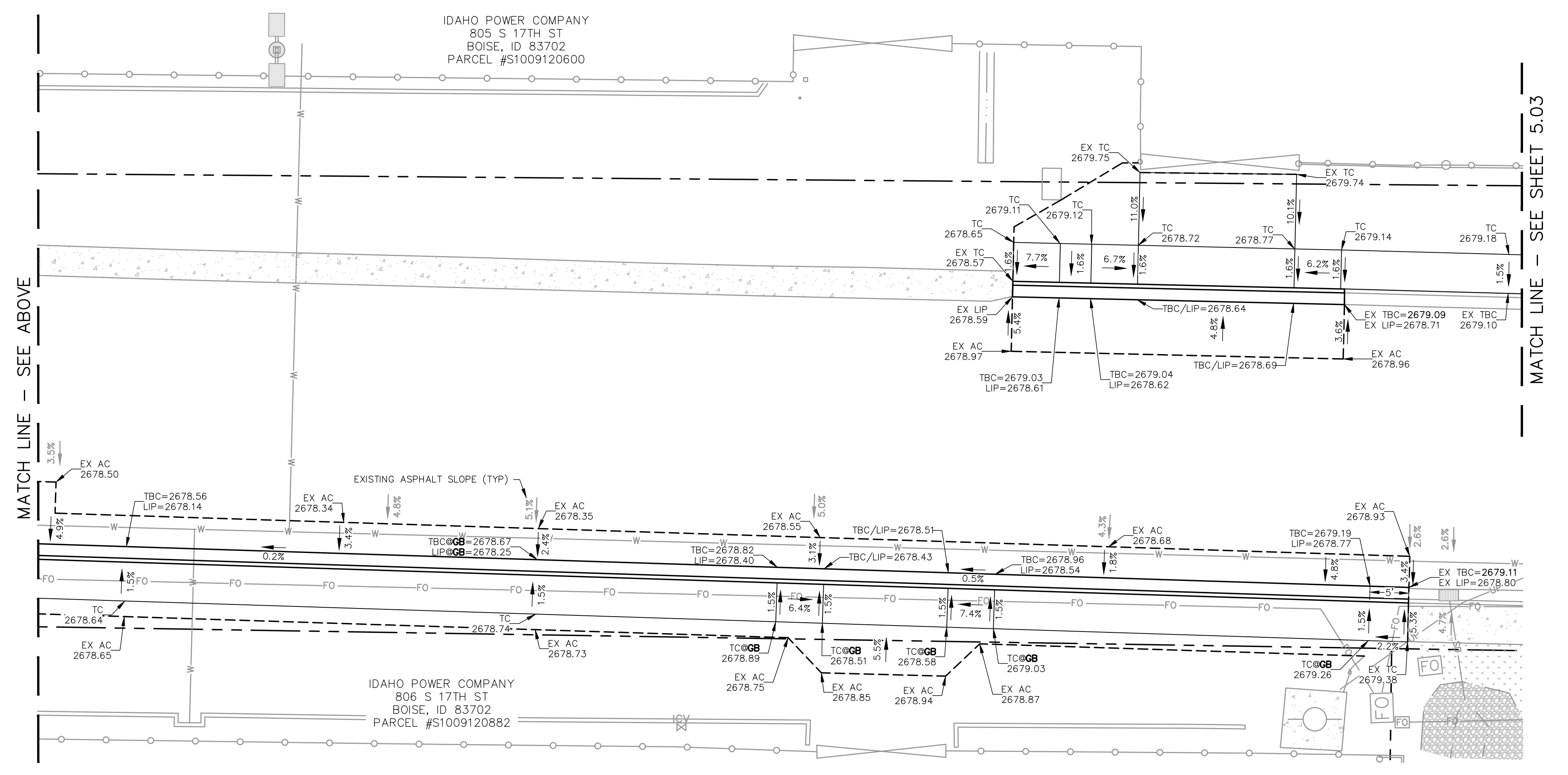
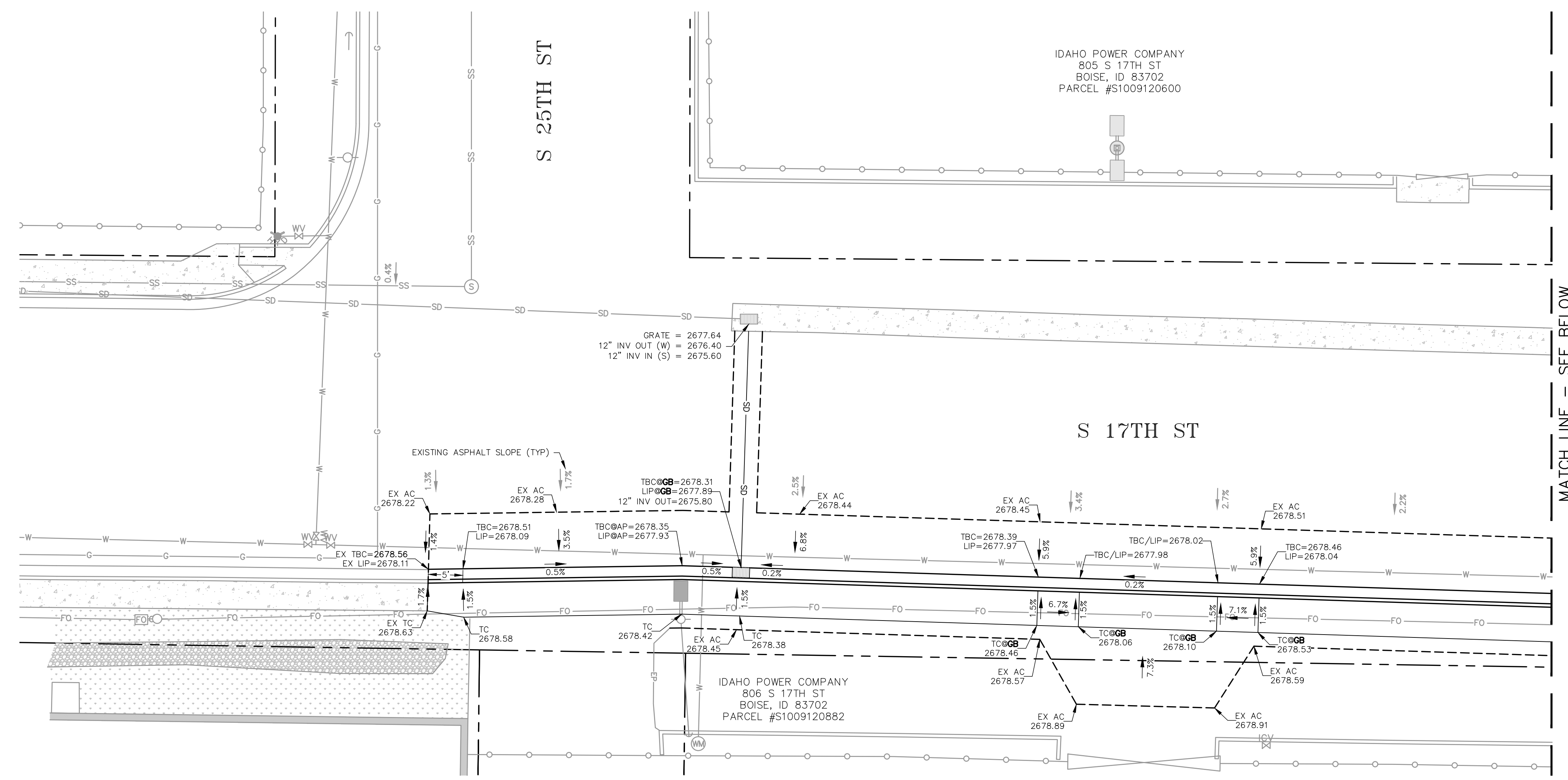
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BY

SHEET

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USER: RICARDO ZAVALLA LOCATION: C:\PROJECTS\2024-43 17TH STREET IMPROVEMENTS\CIVIL DESIGN - 2414-43 CCDC 17TH ST.DWG



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STATE OF IDAHO
RICARDO ZAVALLA
10/26/23

IDAHO
CCDC TASK ORDER NUMBER 19-008
PROJECT NUMBER 204-43
DESIGN PHASE CONSTRUCTION PLANS
BOISE

NO.	DATE	BY	REVISION

CHECKED BY: RZ
PLOT DATE: 10/26/23

DESIGNED BY: RZ
DRAWN BY: RZ

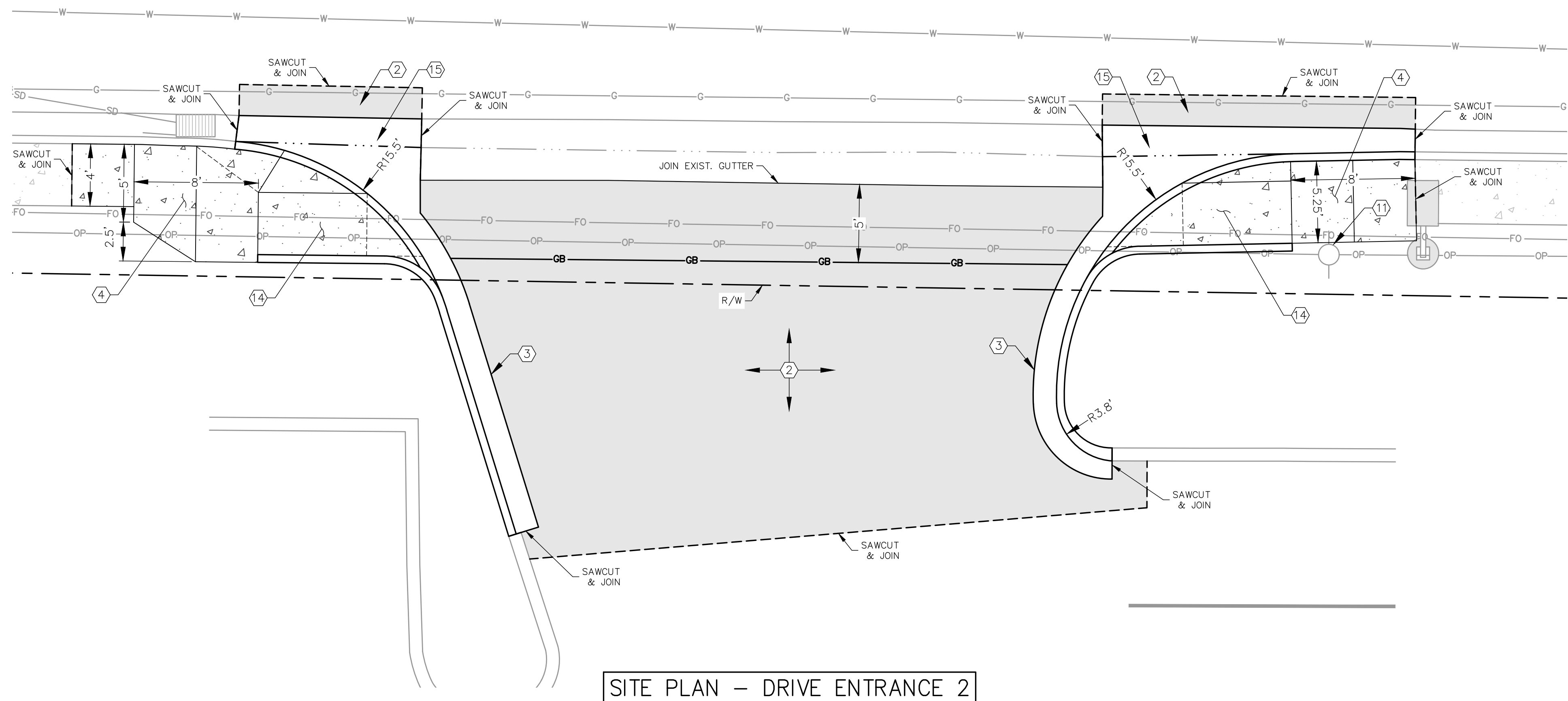
BY: *Ricardo Zavalla* DATE: 10/26/23
ADA COUNTY HIGHWAY DISTRICT

SHEET
C4.03

Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Waiver of waters must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

S 17TH ST



SITE PLAN - DRIVE ENTRANCE 2

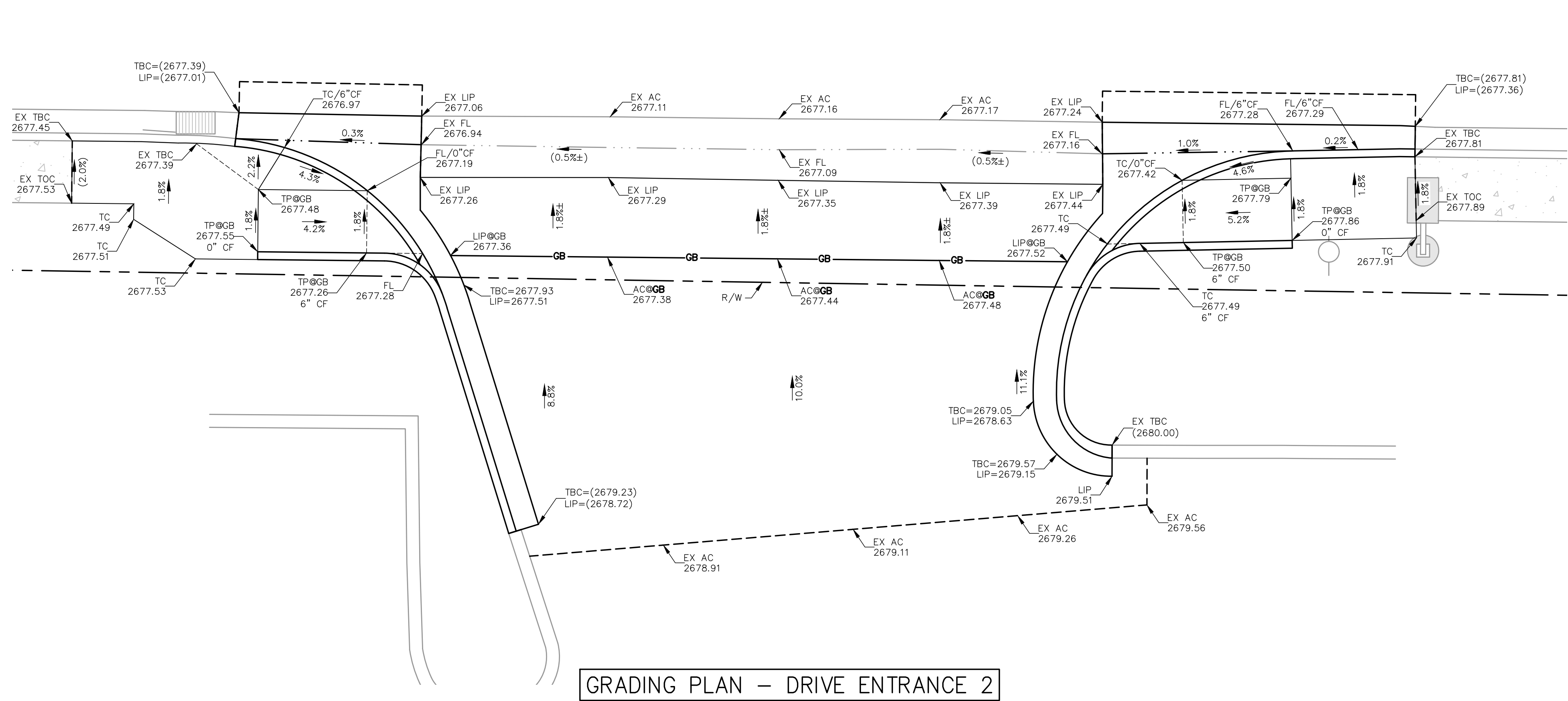
KEYNOTES

- ② ASPHALT REPAIR PER DETAIL 1/CD1.00
- ③ 6" VERTICAL CURB AND GUTTER PER ACHD SUPPLEMENT TO ISPMC SD-701
- ④ CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPMC SD-709
- ⑪ 2" GAP BETWEEN BACK OF SIDEWALK AND POWER POLE
- ⑭ PEDESTRIAN RAMP TYPE C4 PER ISPMC SD-712C, MODIFIED PER PLAN
- ⑮ VALLEY GUTTER PER ACHD SUPPLEMENTAL TO ISPMC SD-708, MODIFIED PER PLAN

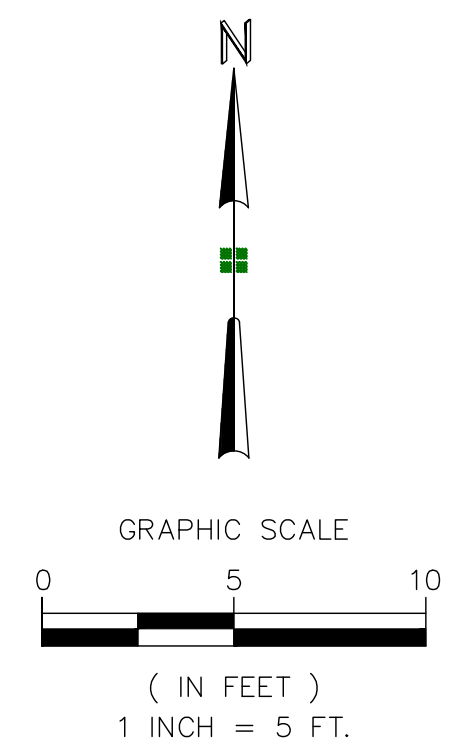
LANDSCAPE NOTE

- 1. REPAIR DISTURBED SOD, LANDSCAPING AND IRRIGATION SYSTEM PER ACHD STANDARD SPECIAL PROVISIONS.

S 17TH ST



GRADING PLAN - DRIVE ENTRANCE 2



Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer certifies the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: *[Signature]* DATE: 10/26/23
 ADA COUNTY HIGHWAY DISTRICT

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PROFESSIONAL ENGINEER
 LICENSED
 15180
[Signature]
 RICHARD ZAVALLA
 10/26/23

CCDC 17TH STREET IMPROVEMENTS
 SITE PLAN AND GRADING PLAN - DRIVE ENTRANCE 2

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 BOISE

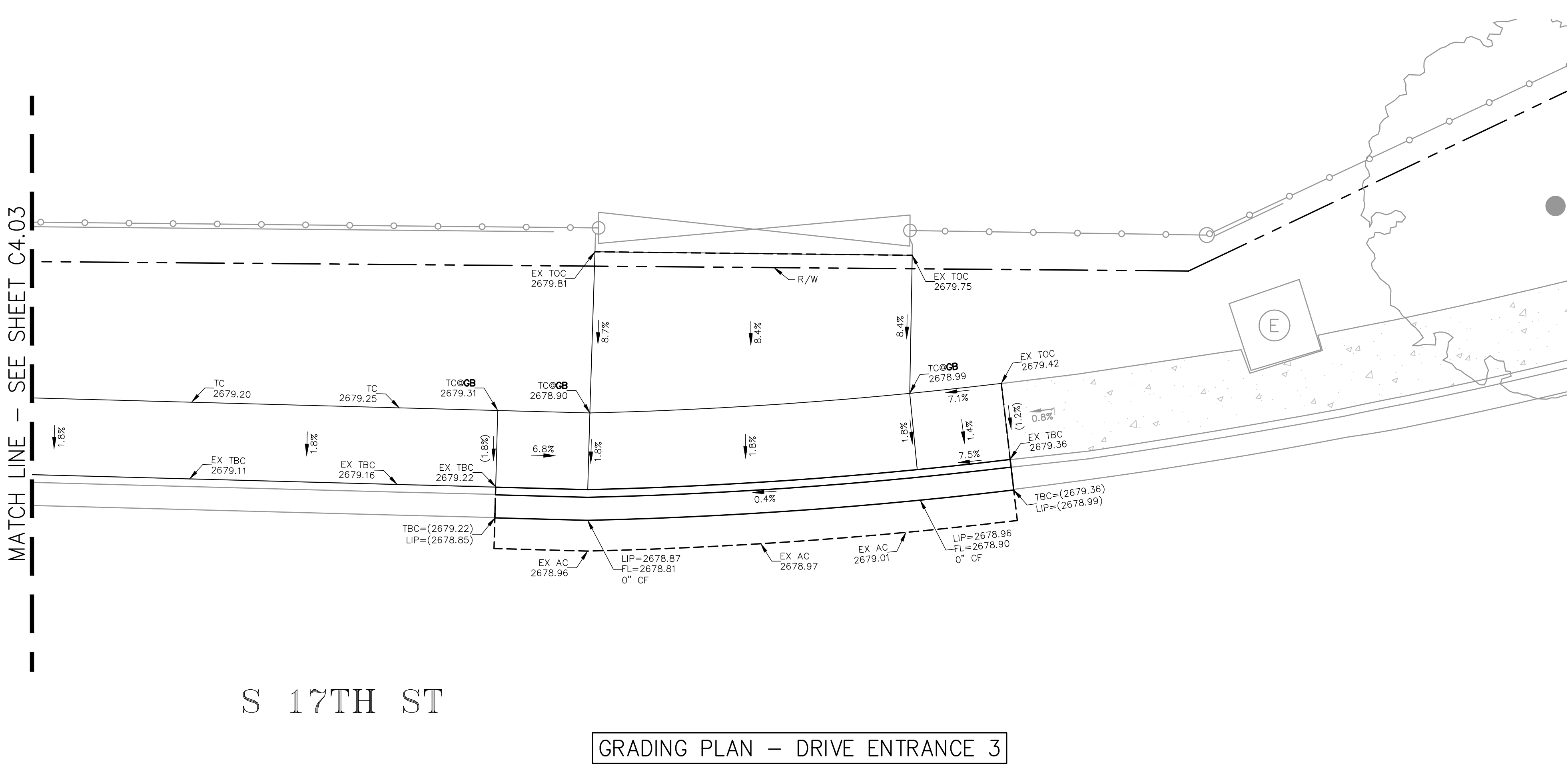
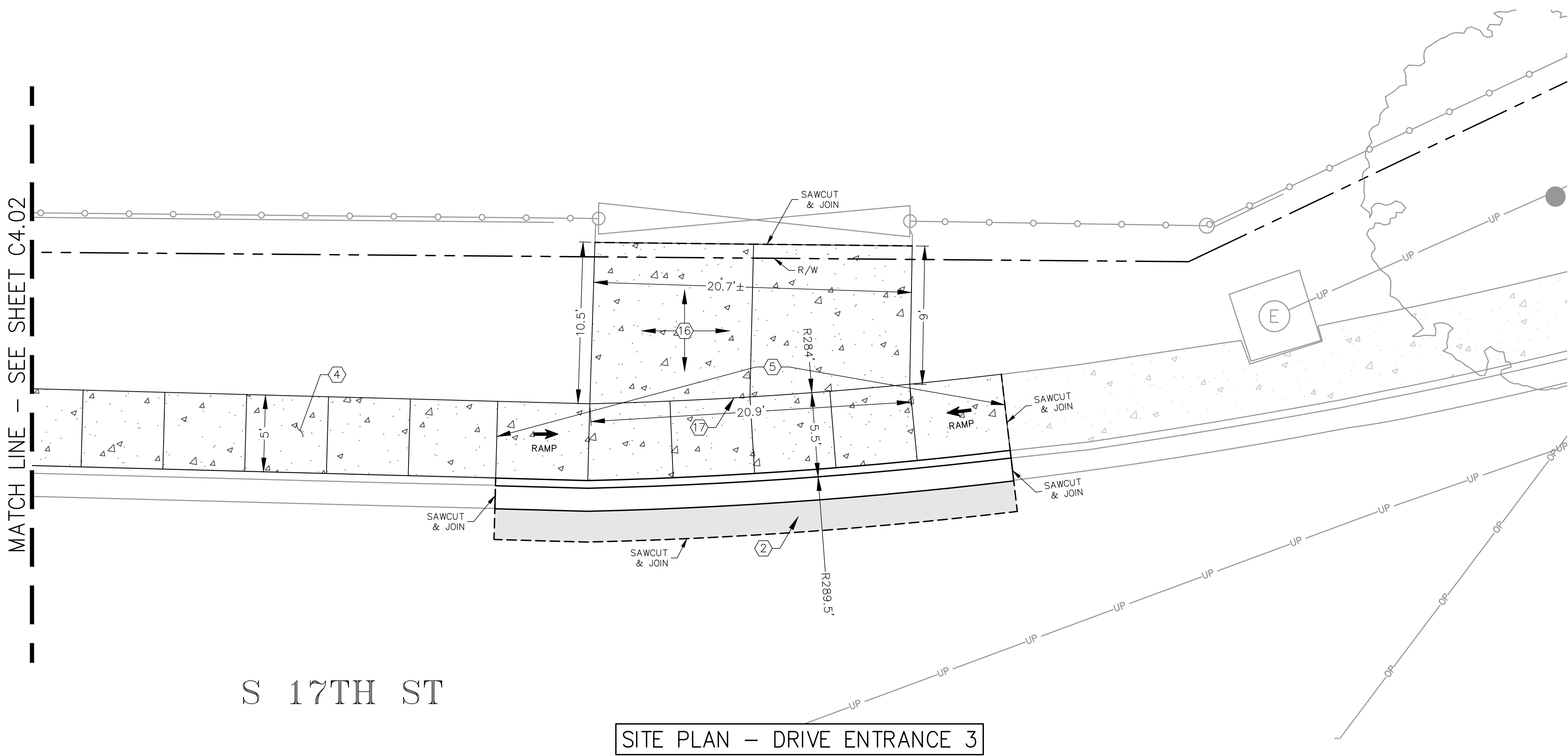
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NO.	DATE	BY	REVISION

DESIGNED BY: RZ/TP
 DRAWN BY: RZ/TP

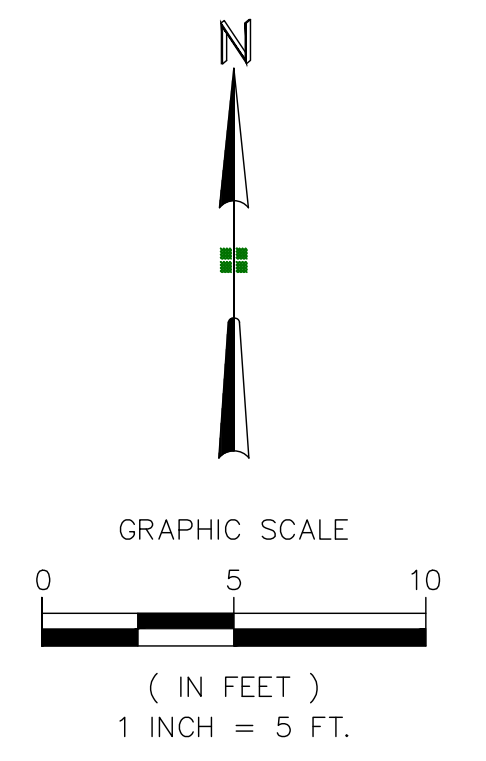
SHEET
C5.02

USER: RICARDO ZAVALLA LOCATION: C:\PROJECTS\204-43 17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\ADO_RAMP_DESIGN_204-43 CCDC 17TH ST.DWG



- KEYNOTES**
- ② ASPHALT REPAIR PER DETAIL 1/CD1.00
 - ④ CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPMC SD-709
 - ⑤ CONCRETE DRIVEWAY APPROACH PER ACHD SUPPLEMENTAL TO ISPMC SD-710B
 - ⑬ CONCRETE PAVEMENT PER DETAIL 2/CD1.00
 - ⑭ 1" BITUMINOUS PREFORMED EXPANSION JOINT MATERIAL (AASHTO M 213) WITH POLYURETHANE SEALANT (TREMCO THC-901, OR APPROVED EQUAL)

- LANDSCAPE NOTE**
- 1. REPAIR DISTURBED SOD, LANDSCAPING AND IRRIGATION SYSTEM PER ACHD STANDARD SPECIAL PROVISIONS.



Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer certifies the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: *[Signature]* DATE: 10/26/23
 ADA COUNTY HIGHWAY DISTRICT

Quadrant Consulting, Inc.
 1904 W. Overland Rd
 Boise, Idaho 83705
 (208) 342-0091 PHONE (208) 342-0092 FAX
 CIVIL ENGINEERING-SURVEYING

PROFESSIONAL ENGINEER
 LICENSED
 15180
[Signature]
 R. CARDO ZAVALLA
 10/26/23

CCDC 17TH STREET IMPROVEMENTS
 SITE PLAN AND GRADING PLAN - DRIVE ENTRANCE 3

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 CCDC TASK ORDER NUMBER: 19-008
 BOISE, IDAHO

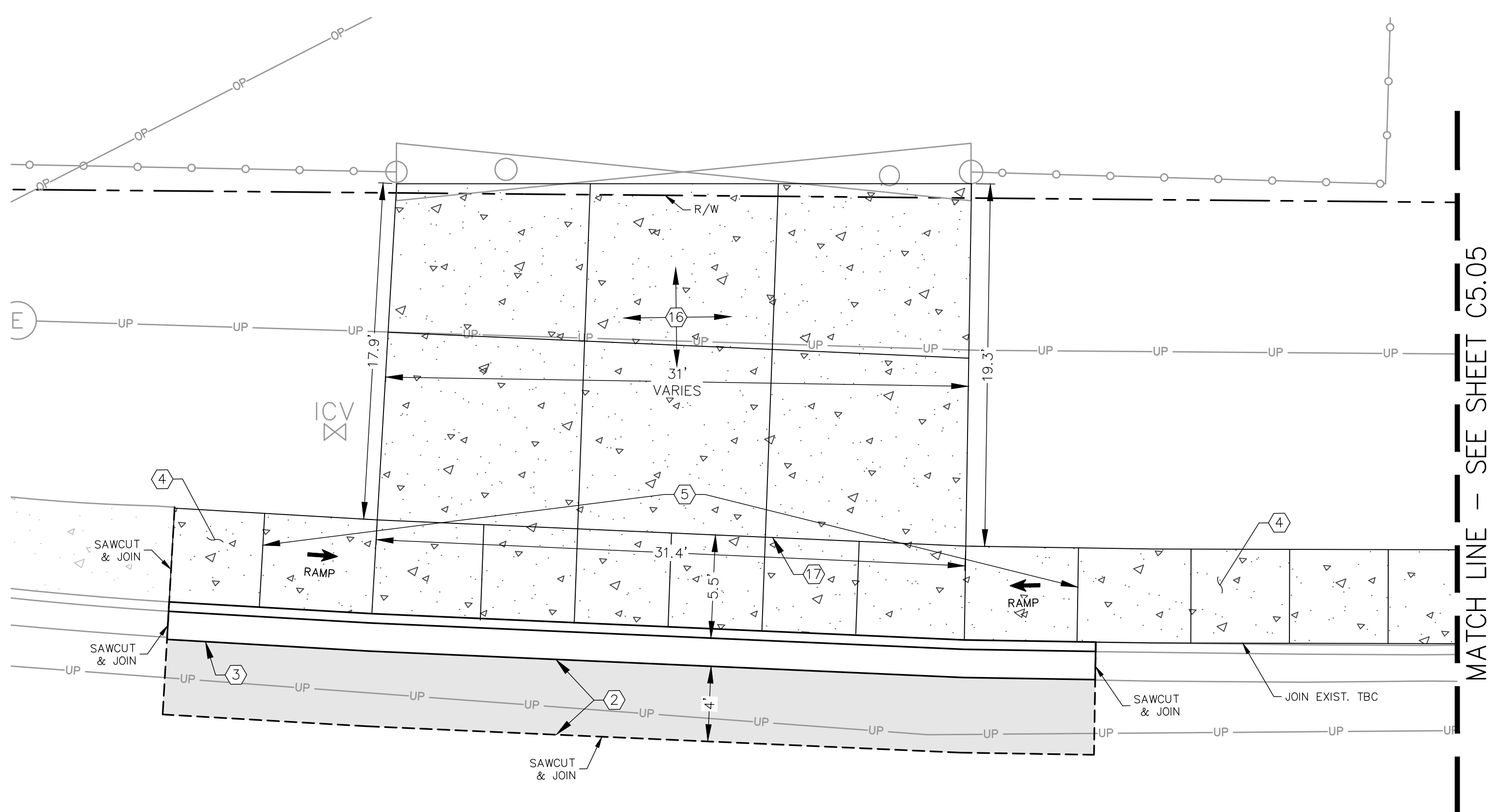
CHECKED BY: RZ
 PLOT DATE: 10/26/23

NO.	DATE	BY	REVISION

DESIGNED BY: RZ/TP
 DRAWN BY: RZ/TP

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C5.03

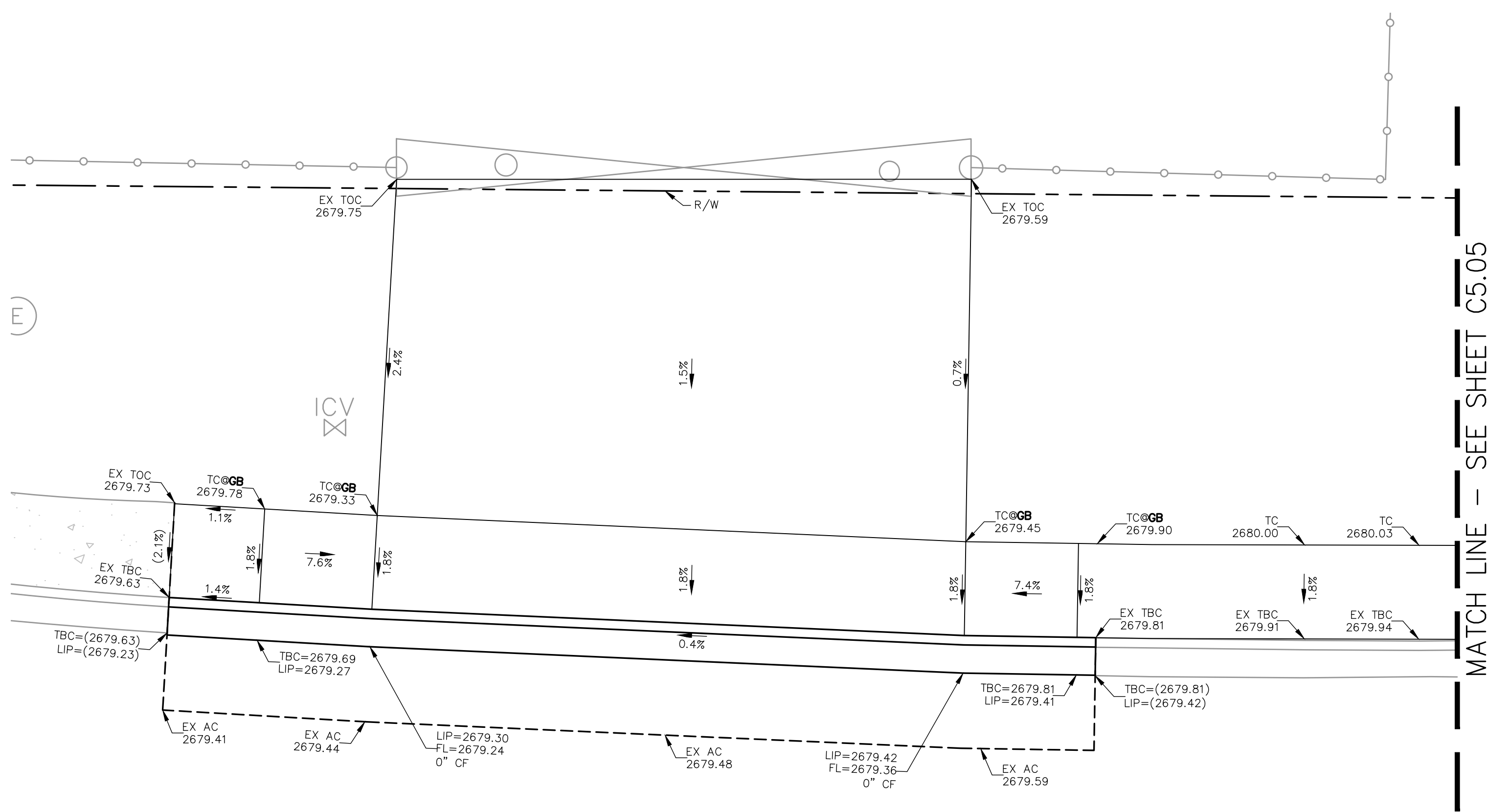
USER: RICARDO_ZAVALLA LOCATION: C:\PROJECTS\204-43_17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\19-008-CCDC 17TH ST.DWG



S 17TH ST

SITE PLAN - DRIVE ENTRANCE 4

MATCH LINE - SEE SHEET C5.05



S 17TH ST

GRADING PLAN - DRIVE ENTRANCE 4

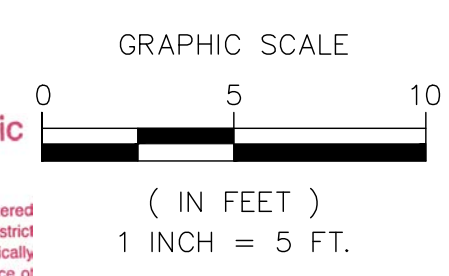
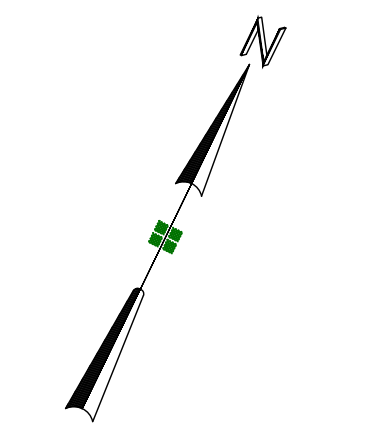
MATCH LINE - SEE SHEET C5.05

KEYNOTES

- ② ASPHALT REPAIR PER DETAIL 1/CD1.00
- ③ 6" VERTICAL CURB AND GUTTER PER ACHD SUPPLEMENT TO ISPC SD-701
- ④ CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPC SD-709
- ⑤ CONCRETE DRIVEWAY APPROACH PER ACHD SUPPLEMENT TO ISPC SD-710B
- ⑥ CONCRETE PAVEMENT PER DETAIL 2/CD1.00
- ⑦ 3" BITUMINOUS PREFORMED EXPANSION JOINT MATERIAL (AASHTO M 213) WITH POLYURETHANE SEALANT (TREMCO THC-901, OR APPROVED EQUAL)

LANDSCAPE NOTE

- 1. REPAIR DISTURBED SOD, LANDSCAPING AND IRRIGATION SYSTEM PER ACHD STANDARD SPECIAL PROVISIONS.



Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: *[Signature]* DATE: 10/26/23
ADA COUNTY HIGHWAY DISTRICT

Quadrant Consulting, Inc.
1904 W. Overland Rd
Boise, Idaho 83705
(208) 342-0091 PHONE (208) 342-0092 FAX
CIVIL ENGINEERING-SURVEYING

PROFESSIONAL ENGINEER LICENSED
15180
[Signature]
RICARDO ZAVALLA
10/26/23

CCDC 17TH STREET IMPROVEMENTS
SITE PLAN AND GRADING PLAN - DRIVE ENTRANCE 4

BOISE PROJECT NUMBER 204-43
CONSTRUCTION PLANS 19-008
DESIGN PHASE CONSTRUCTION PLANS
CCDC TASK ORDER NUMBER 19-008

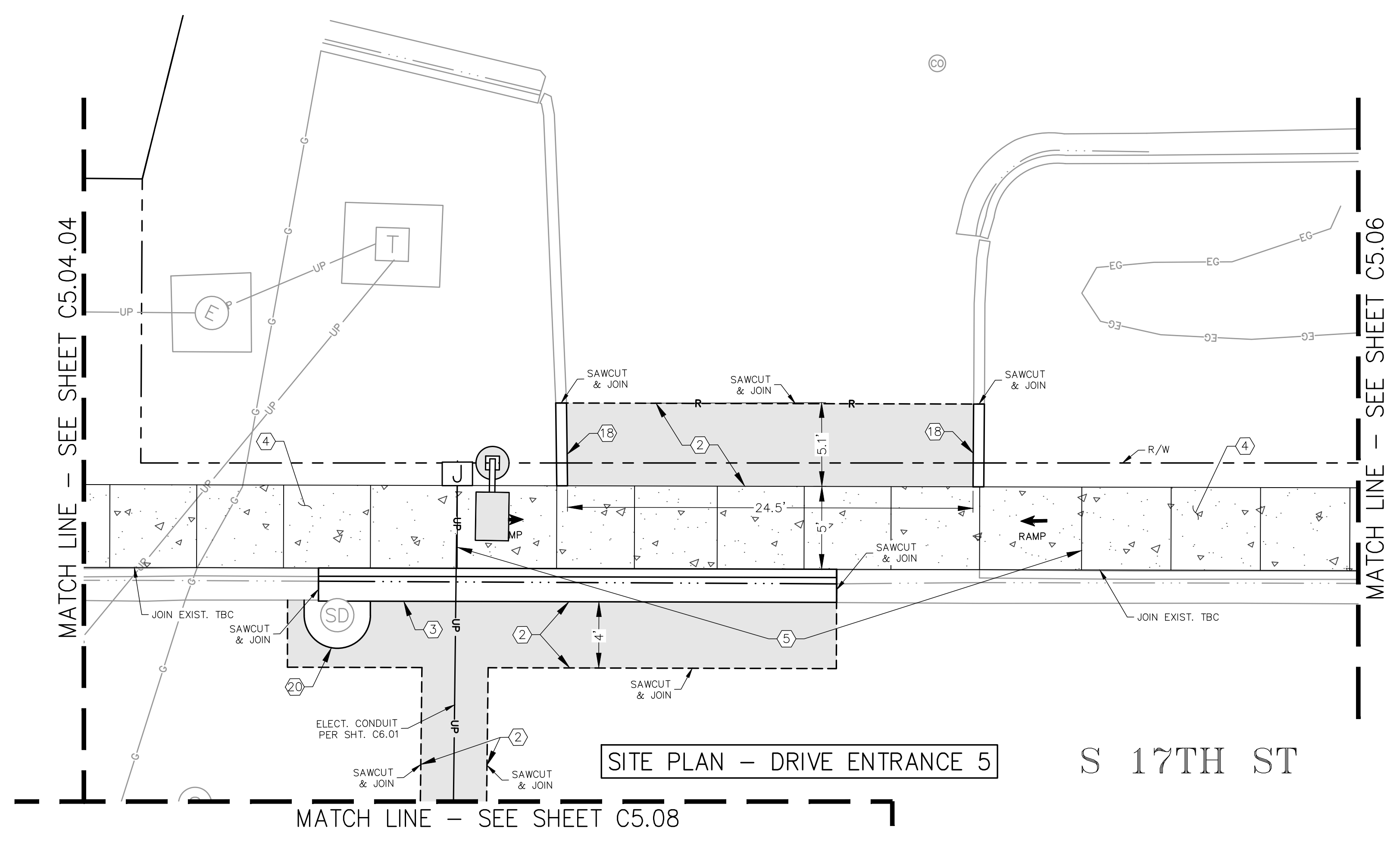
CHECKED BY: RZ/TP
PLOT DATE: 10/26/23

NO.	DATE	BY	REVISION

DESIGNED BY: RZ/TP
DRAWN BY: RZ/TP

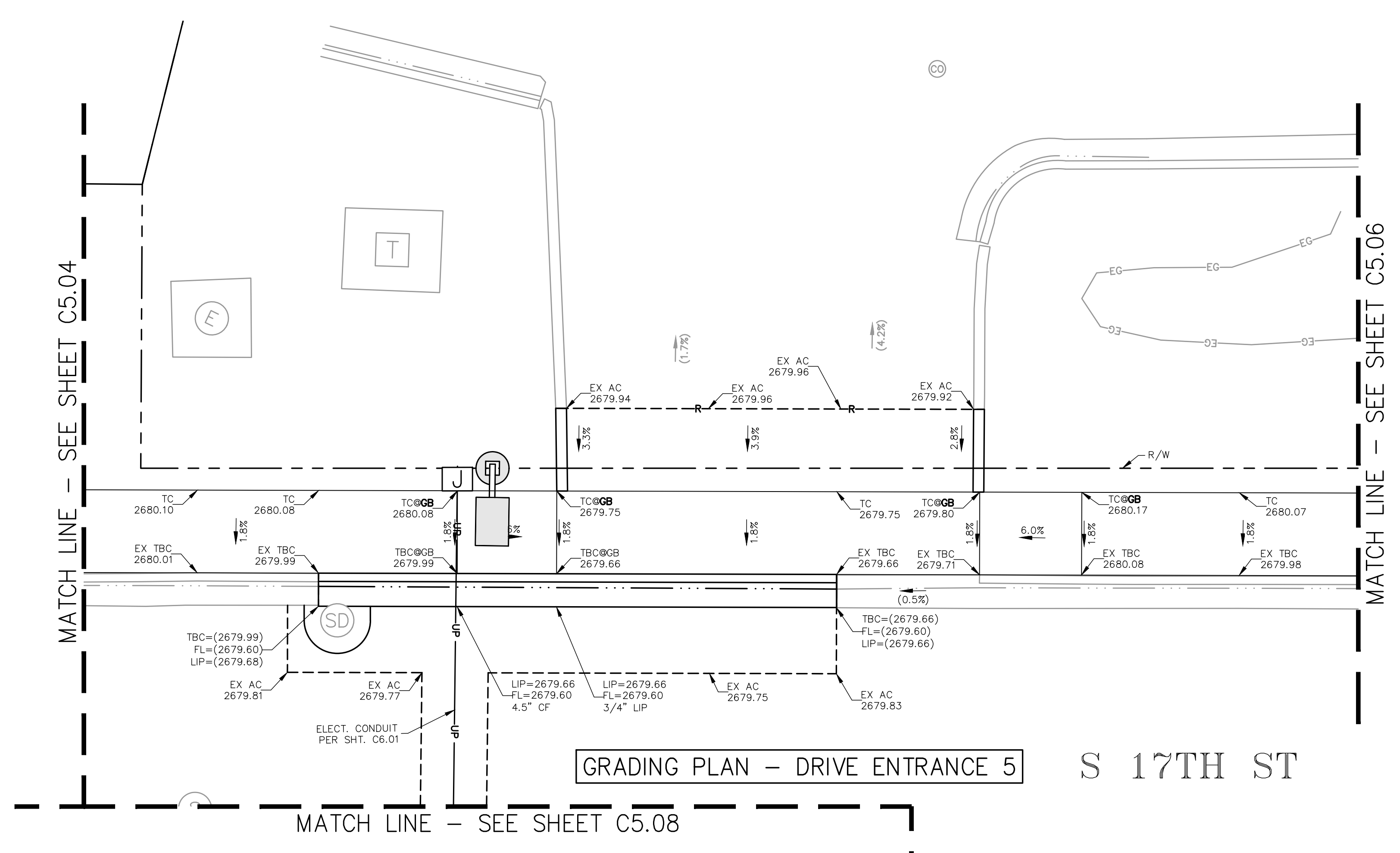
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C5.04

USER: RICARDO ZAVALLA LOCATION: C:\PROJECTS\204-43 17TH STREET IMPROVEMENTS\17TH ST DRWG - 204-43 CCDC 17TH ST DRWG



SITE PLAN - DRIVE ENTRANCE 5

S 17TH ST



GRADING PLAN - DRIVE ENTRANCE 5

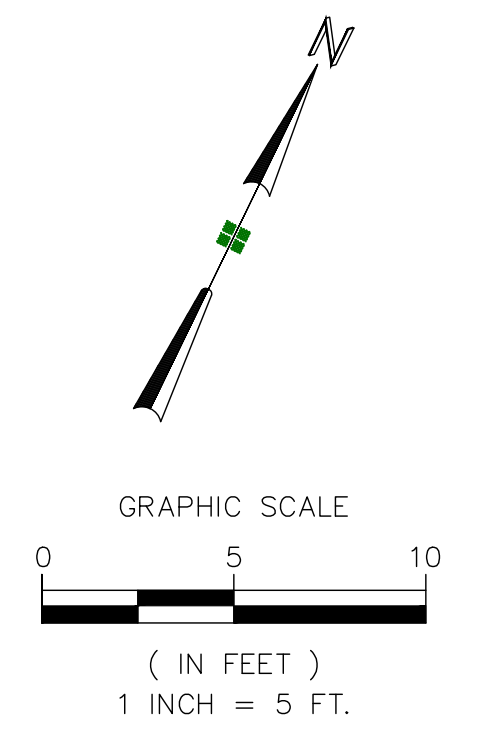
S 17TH ST

KEYNOTES

- ② ASPHALT REPAIR PER DETAIL 1/CD1.00
- ③ 6" VERTICAL CURB AND GUTTER PER ACHD SUPPLEMENT TO ISPC SD-701
- ④ CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPC SD-709
- ⑤ CONCRETE DRIVEWAY APPROACH PER ACHD SUPPLEMENT TO ISPC SD-710B
- ⑬ CURB TERMINUS (NO GUTTER) PER ISPC SD-707
- ⑭ NOT USED
- ⑯ MANHOLE COLLAR PER ISPC SD-616

LANDSCAPE NOTE

- 1. REPAIR DISTURBED SOD, LANDSCAPING AND IRRIGATION SYSTEM PER ACHD STANDARD SPECIAL PROVISIONS.



Plans Are Accepted For Public Street Construction
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 BY: *[Signature]* DATE: 10/26/23
 ADA COUNTY HIGHWAY DISTRICT

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PROFESSIONAL ENGINEER
 LICENSED
 15180
[Signature]
 R. CARDO ZAVALLA
 10/26/23

CCDC 17TH STREET IMPROVEMENTS
 SITE PLAN AND GRADING PLAN - DRIVE ENTRANCE 5

DESIGN PHASE: CONSTRUCTION PLANS
 PROJECT NUMBER: 204-43
 CCDC TASK ORDER NUMBER: 19-008

BOISE

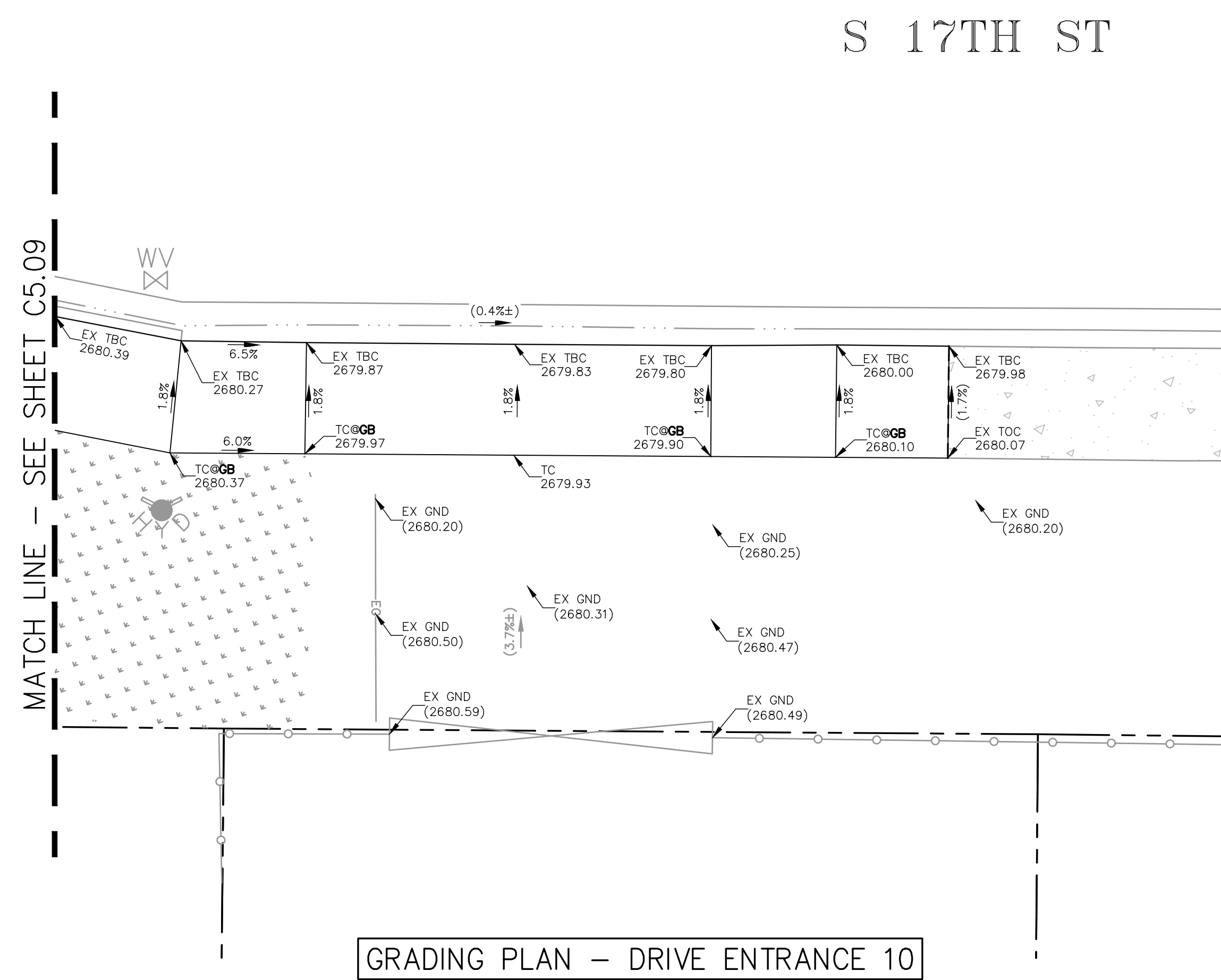
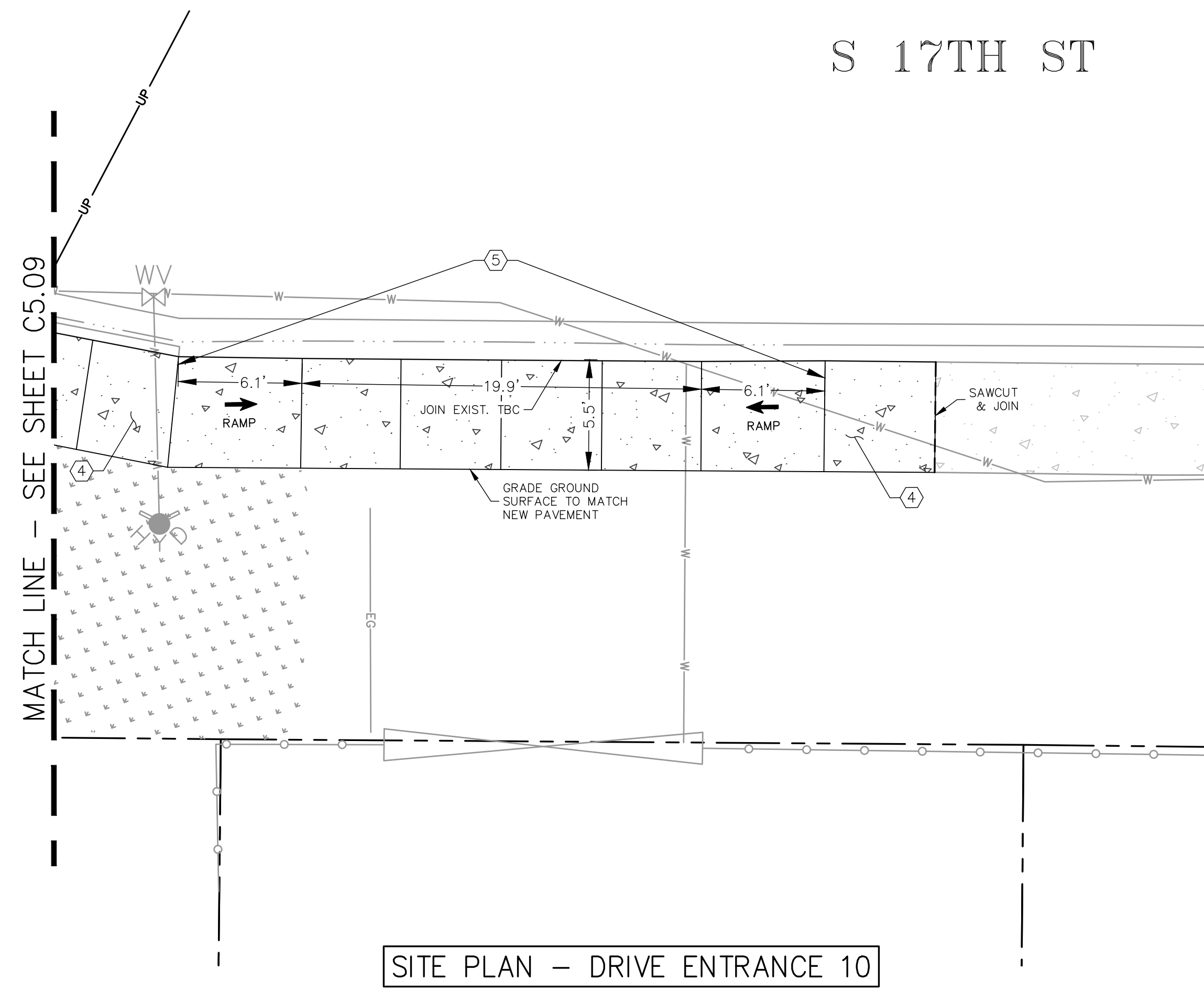
CHECKED BY: RZ
 PLOT DATE: 10/26/23

NO.	DATE	BY	REVISION

DESIGNED BY: RZ/TP
 DRAWN BY: RZ/TP

SHEET
C5.05

USER: RICARDO ZAVALLA LOCATION: C:\PROJECTS\204-43 17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\ADO_RAMP DESIGN - 204-43 CCDC 17TH ST.DWG

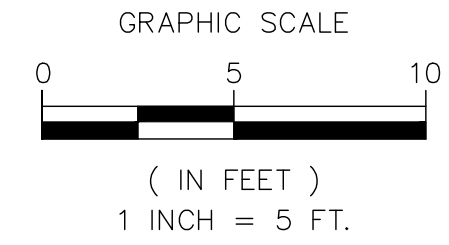


- KEYNOTES**
- (4) CONCRETE SIDEWALK PER ACHD SUPPLEMENTAL TO ISPMC SD-709
 - (5) CONCRETE DRIVEWAY APPROACH PER ACHD SUPPLEMENT TO ISPMC SD-710B

- LANDSCAPE NOTE**
- 1. REPAIR DISTURBED SOD, LANDSCAPING AND IRRIGATION SYSTEM PER ACHD STANDARD SPECIAL PROVISIONS.

Plans Are Accepted For Public Street Construction

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15180
Ricardo Zavala
R. RICARDO ZAVALA
10/26/23

CCDC 17TH STREET IMPROVEMENTS
SITE PLAN AND GRADING PLAN - DRIVE ENTRANCE 10

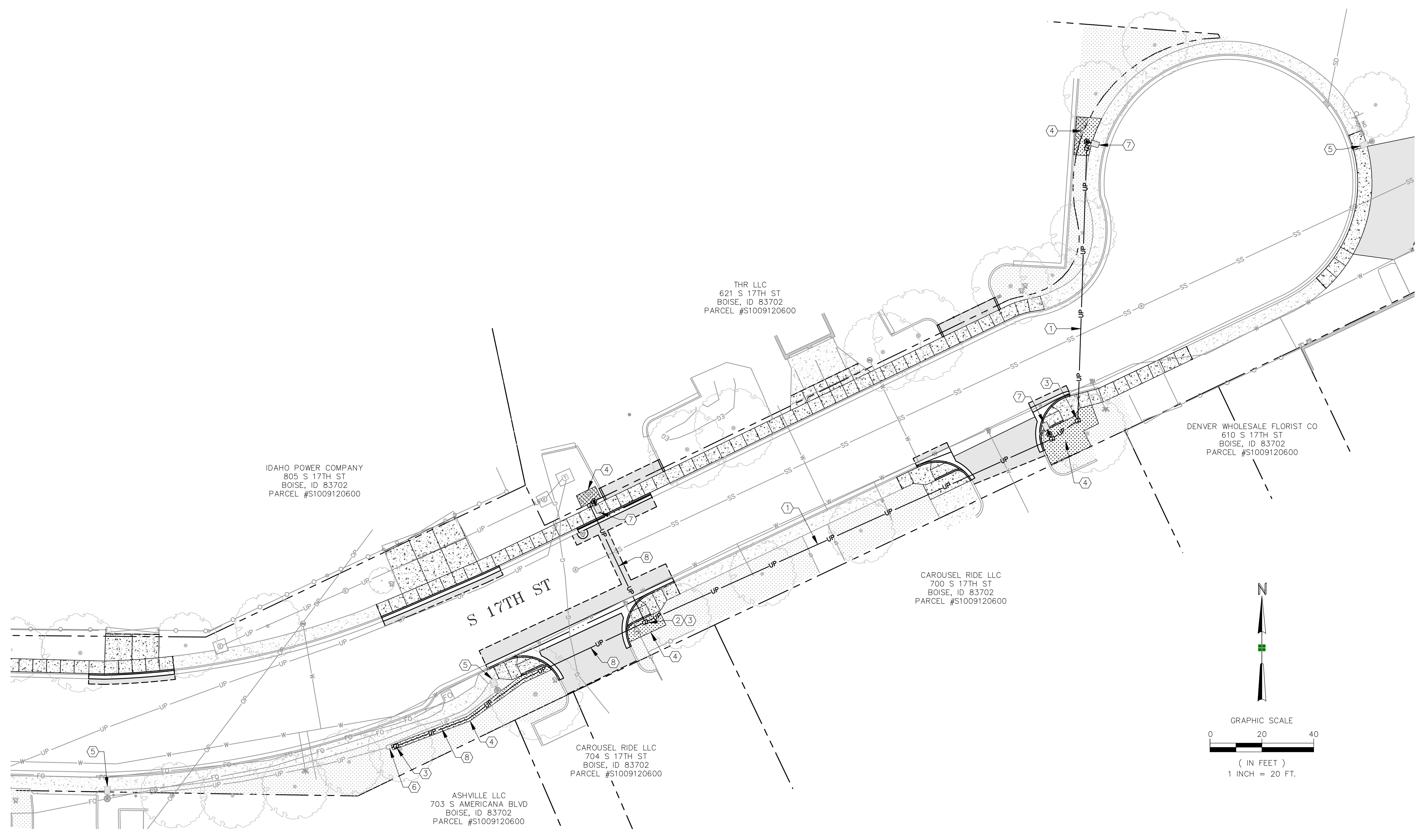
DESIGN PHASE: CONSTRUCTION PLANS
PROJECT NUMBER: 204-43
CCDC TASK ORDER NUMBER: 19-008

BOISE

NO.	DATE	BY	REVISION

CHECKED BY: RZ
PLOT DATE: 10/26/23

USER: RICARDO ZAVALA LOCATION: C:\PROJECTS\204-43_17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\03 - 204-43 CCDC 17TH ST.DWG



IDAHO POWER COMPANY
805 S 17TH ST
BOISE, ID 83702
PARCEL #S1009120600

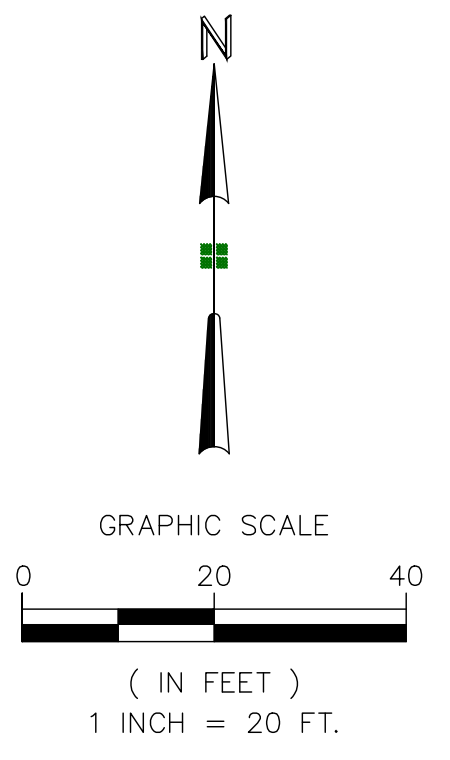
THR LLC
621 S 17TH ST
BOISE, ID 83702
PARCEL #S1009120600

CAROUSEL RIDE LLC
700 S 17TH ST
BOISE, ID 83702
PARCEL #S1009120600

CAROUSEL RIDE LLC
704 S 17TH ST
BOISE, ID 83702
PARCEL #S1009120600

ASHVILLE LLC
703 S AMERICANA BLVD
BOISE, ID 83702
PARCEL #S1009120600

DENVER WHOLESALE FLORIST CO
610 S 17TH ST
BOISE, ID 83702
PARCEL #S1009120600



ELECTRICAL NOTES

1. CONTRACTORS INSTALLING LIGHTING WILL BE REQUIRED TO CONTACT BOISE CITY PUBLIC WORKS INSPECTION SECTION 48 HRS. PRIOR TO SCHEDULE THE PRELIMINARY INSPECTION PRIOR TO PLACING CONCRETE OR COVERING CONDUITS. IN ADDITION, THE ELECTRICAL CONTRACTOR IS REQUIRED TO CALL 24 HRS. 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 ALL INSPECTIONS (TO SCHEDULE YOUR PUBLIC WORKS INSPECTION, PHONE 208-608-7549). FOR METERED SERVICES AN ADDITIONAL INSPECTION IS REQUIRED BY THE ELECTRICAL INSPECTOR HAVING JURISDICTION AT THE PROJECTS LOCATION (BOISE CITY WITHIN CITY LIMITS, STATE IF IN THE COUNTY WITHIN THE CITY'S AREA OF IMPACT).
2. FOR DESIGN INFORMATION OR QUESTION, CONTACT TOM MARSHALL, 208-608-7526.
3. ALL STREET LIGHTS SHALL BE INSTALLED PER ISPCW, NEC CODES, ACHD CODES FOR WORKING WITH IN THE PUBLIC RIGHT-OF-WAY, AND BOISE CITY PUBLIC WORKS STREET LIGHT STANDARD REVISIONS TO THE ISPCW. DEVELOPER SHALL NOT CONNECT, OR ALLOW ANY SUBCONTRACTOR TO CONNECT ANY IRRIGATION TIMERS, DECORATIVE LIGHTING, ENTRANCE LIGHTING, OR OUTLETS OF OTHER ELECTRICAL DEVICES TO ANY STREET LIGHTING CIRCUITS. ANY AND ALL IRRIGATION TIMERS, DECORATIVE LIGHTING, ENTRANCE LIGHTING, OUTLETS OR OTHER ELECTRICAL DEVICES SHALL BE CONNECTED DIRECTLY TO IDAHO POWER AT AN IDAHO POWER APPROVED LOCATION VIA A SEPARATE CONDUIT SYSTEM.
5. WORK MUST CONFORM TO BOISE CITY STREET LIGHT SPECIFICATIONS (SEE [HTTPS://WWW.CITYOFBOISE.ORG/DEPARTMENTS/PUBLIC-WORKS/STREET-LIGHTS/PERMITS-AND-REQUIREMENTS/](https://www.cityofboise.org/departments/public-works/street-lights/permits-and-requirements/) FOR MORE INFORMATION).
6. WIRE SHALL BE #6 COPPER, AWG, THWN, 600 VOLT INSULATED (NO ALUMINUM WIRE).
7. ALL ELECTRICAL CONDUITS SHALL BE SCHEDULE 40, PVC, UL LABELED.
8. ALL NEW UNDERGROUND CONDUIT FOR ALL STREET LIGHTING BETWEEN PULL BOXES SHALL BE A MINIMUM OF 2" CONDUITS. PROVIDE A MINIMUM 1" CONDUITS BETWEEN PULL BOXES AND THE ADJACENT LIGHT POLE. 18" MAX INSTALLATION OFFSET BEHIND BACK OF SIDEWALK. ALL CONDUITS SHOWN ARE NEW.
9. ELECTRICAL CONTRACTOR IS REQUIRED UPON COMPLETION OF ALL FINAL INSPECTIONS TO NOTIFY BOISE CITY PUBLIC WORKS STREET LIGHTING SECTION AT 208-608-7526 WHEN READY FOR POWER ENERGIZING TO NEWLY INSTALLED STREET LIGHTS WITH IN THE CITY LIMITS.
10. ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR THE COMPLETE INSTALLATION.

KEYNOTES

- ① INSTALL 2" CONDUIT BY DIRECTIONAL BORE AND INSTALL CONDUCTORS FOR LIGHT CIRCUIT. REFER TO STANDARDS, SPECIFICATIONS AND DETAILS ON SHEETS C6.02-C6.05.
- ② APPROXIMATE LOCATION OF TRANSITION FROM OPEN TRENCH TO DIRECTIONAL BORE.
- ③ INSTALL JUNCTION BOX. REFER TO STANDARDS, SPECIFICATIONS AND DETAILS ON SHEETS C6.02-C6.05. APPROVED PART NUMBERS ARE LISTED ON SHEET C6.02.
- ④ SOD, LANDSCAPING AND IRRIGATION SYSTEM REPAIR PER ACHD STANDARD SPECIAL PROVISIONS
- ⑤ EXISTING HIGH MAST STREET LIGHT
- ⑥ EXISTING METERED SERVICE CABINET TO BE USED TO FEED NEW FIXTURES. COORDINATE WITH BOISE CITY STAFF FOR ACCESS TO PANEL INSIDE OF CABINET.
- ⑦ PROVIDE AND INSTALL CLASS B COLLECTOR STREET LIGHT FIXTURE, 30' ROADWAY POLE WITH 15' MAST ARM, FOUNDATION AND JUNCTION BOX. REFER TO STANDARDS, SPECIFICATIONS AND DETAILS ON SHEETS C6.02-C6.05. APPROVED PART NUMBERS ARE LISTED ON SHEET C6.02.
- ⑧ INSTALL 2" CONDUIT AND CONDUCTORS FOR LIGHT CIRCUIT PER DETAIL 1/C6.02. REFER TO STANDARDS, SPECIFICATIONS AND DETAILS ON SHEETS C6.02-C6.05.

EASEMENT LEGEND



USER: RICARDO ZAVALLA LOCATION: CIVIL PROJECTS\2024-43 17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\CIVIL DESIGN - 2414.43 CCDC 17TH ST.DWG

Quadrant Consulting, Inc.
1904 W. Overland Rd
Boise, Idaho 83705
(208) 342-0091 PHONE (208) 342-0092 FAX
CIVIL ENGINEERING-SURVEYING

PROFESSIONAL ENGINEER
LICENSED
15180
Ricardo Zavalla
R. RICARDO ZAVALLA
10/26/23

IDAHO
CCDC TASK ORDER NUMBER 19-008
PROJECT NUMBER 204-43
DESIGN PHASE CONSTRUCTION PLANS
BOISE

CHECKED BY: RZ
DRAWN BY: RZ
PLOT DATE: 10/26/23
NO. DATE BY REVISION
SHEET
C6.01

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



- 1 In / 1 Out
- 2 Port
- 3 Port
- 4 Port
- 1 In / 2 out



HOMAC USL 30

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.

Application

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

Approved Poles required by 01/01/2021

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

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

Nova Pole
408-68-SRTA01-F3

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.

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.

Application

Under power lines or where other obstacles may get in the way. Minimum NEC overhead clearances apply and is the responsibility of the contractor. Manufactures of these type poles are KW or Valmont. These light poles are for arterials, collector, and local roads outside of a subdivision.

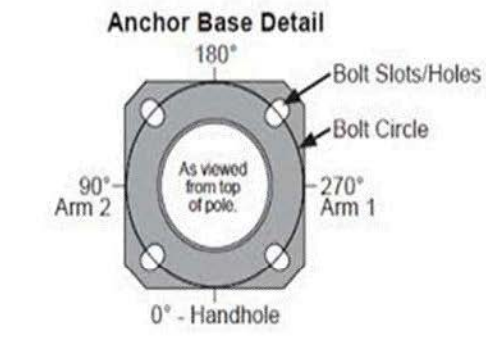
The installation shall meet the requirements of ISPWC drawings SD-1109, BC SD-1117, and BC SD-1127.

Valmont 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
RTDP30-6.84-11-BLK-113DA-SBP-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")

Nova Pole
408-71-SRTA01-F3



POLE FOUNDATION SCHEDULE											
POLE TYPE	MT. HT.	MASTARM LENGTH	FOUNDATION TYPE	X	Y	HOOPS	DIAMETER	VERTICAL RODS	CU. YDS. CONCRETE		
						NO. SIZE LIN. FT.		NO. SIZE LIN. FT.			
PEDESTRIAN SIGNAL POLE	10'	-	A	2'-0"	5'-0"	4 #4 23'-0"	-	6 #4 28'-0"	.6		
LIGHT POLE	25'-30'	ALL	A	2'-0"	5'-0"	4 #4 23'-0"	20'	6 #4 28'-0"	.6		
LIGHT POLE	35'	ALL	B	2'-6"	7'-0"	4 #4 29'-4"	26'	6 #4 40'-0"	1.3		
LIGHT POLE	40'-50'	ALL	C	3'-0"	8'-0"	5 #4 44'-2"	32'	8 #6 61'-4"	2.1		
SIGNAL POLE	-	20' - 45'	D	3'-0"	9'-0"	5 #4 44'-2"	-	8 #6 69'-4"	2.4		
PED. PUSHBUTTON POLE	4'-0"	-	E	1'-6"	2'-6"	-	-	-	.2		
DUAL MASTARM SIGNAL POLE	-	ALL	F	3'-0"	12'-0"	8 #5 70'-8"	-	12 #6 140'	3.1		
SIGNAL POLE	-	55' - 55'	F	3'-0"	12'-0"	8 #5 70'-8"	-	12 #6 140'	3.1		
SIGNAL POLE	-	65' - 65'	G	3'-6"	14'-0"	9 #5 78'-10"	-	12 #6 166'	3.7		

NOTES:
 A. LOCATE FOUNDATIONS AS INDICATED ON THE PROJECT PLAN SHEETS.
 B. ALL CONDUIT ELBOWS USED IN CONCRETE BASES SHALL BE RPC.
 C. STEEL CONDUIT SHALL BE USED TO EXTEND ELBOWS BEYOND FOUNDATION.
 D. SPARE STUBBOUTS SHALL BE TERMINATED WITH A STEEL COUPLING AND PLASTIC PUSH PLUG AT BOTH ENDS.
 E. DO NOT GROUT IF BREAKAWAY DEVICES ARE USED.
 F. SEE GROUNDING DETAIL DRAWING SD-1121

ISPWC BEDDING MATERIAL:
TYPE III: SAND WITH 100% PASSING THE NO. 4 SIEVE AND LESS THAN 3% PASSING THE NO. 200 SIEVE.

NOTES:
 1. 3/4" MINUS (TYPE 1) CRUSHED AGGREGATE SHALL MEET ISPWC SECTION 802 REQUIREMENTS. MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 2. TRENCH BACKFILL MEETING ISPWC SECTION 306. MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 3. SUITABLE NATIVE SOIL AS DETERMINED BY ENGINEER. EXCAVATED TRENCH MATERIAL FREE FROM CINDERS, ASHES, REFUSE, ORGANIC AND FROZEN MATERIAL, COBBLES OR BOULDERS WITH A GREATEST DIMENSION EXCEEDING 8 INCHES, OR OTHER UNSUITABLE MATERIALS. MATERIAL WITH EXCESSIVE OR DEFICIENT MOISTURE CONTENT WILL NOT BE CONSIDERED AS UNSUITABLE IF THE MOISTURE CONTENT CAN BE ADJUSTED TO A LEVEL ALLOWED TO OBTAIN COMPACTION. MOISTURE-CONDITIONED NATIVE SOIL TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 4. CONDUIT SHALL BE INSTALLED PER ISPWC, NEC CODES, ACHD CODES FOR WORKING WITH IN THE PUBLIC RIGHT-OF-WAY, AND BOISE CITY PUBLIC WORKS STREET LIGHT STANDARD REVISIONS TO THE ISPWC.
 5. VERTICAL WALL ALLOWED WITH PROPER TRENCH SHORING (OR TRENCH DEPTH LESS THAN 5'). SHORING SHALL MEET OSHA REQUIREMENTS OF 29 CFR 1926.651 AND 1926.652.

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.

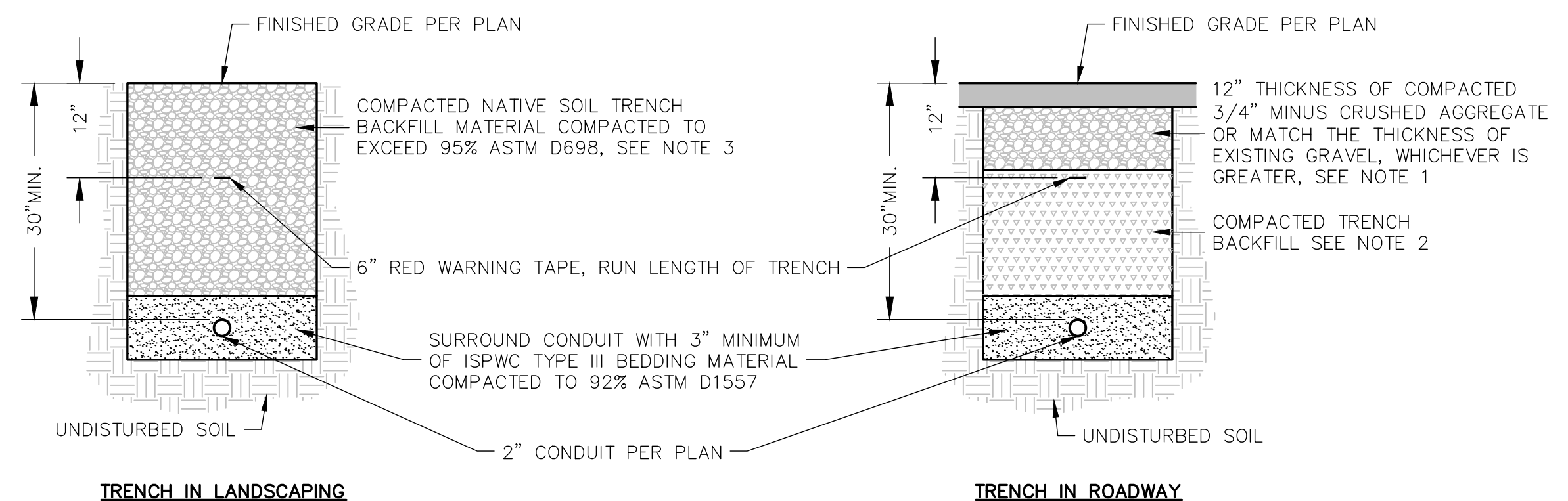
STANDARD LIGHT FIXTURES - COBRA HEAD ARTERIAL AND COLLECTOR STREETS

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	10367 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



ISPWC BEDDING MATERIAL:
TYPE III: SAND WITH 100% PASSING THE NO. 4 SIEVE AND LESS THAN 3% PASSING THE NO. 200 SIEVE.

NOTES:
 1. 3/4" MINUS (TYPE 1) CRUSHED AGGREGATE SHALL MEET ISPWC SECTION 802 REQUIREMENTS. MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 2. TRENCH BACKFILL MEETING ISPWC SECTION 306. MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 3. SUITABLE NATIVE SOIL AS DETERMINED BY ENGINEER. EXCAVATED TRENCH MATERIAL FREE FROM CINDERS, ASHES, REFUSE, ORGANIC AND FROZEN MATERIAL, COBBLES OR BOULDERS WITH A GREATEST DIMENSION EXCEEDING 8 INCHES, OR OTHER UNSUITABLE MATERIALS. MATERIAL WITH EXCESSIVE OR DEFICIENT MOISTURE CONTENT WILL NOT BE CONSIDERED AS UNSUITABLE IF THE MOISTURE CONTENT CAN BE ADJUSTED TO A LEVEL ALLOWED TO OBTAIN COMPACTION. MOISTURE-CONDITIONED NATIVE SOIL TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 4. CONDUIT SHALL BE INSTALLED PER ISPWC, NEC CODES, ACHD CODES FOR WORKING WITH IN THE PUBLIC RIGHT-OF-WAY, AND BOISE CITY PUBLIC WORKS STREET LIGHT STANDARD REVISIONS TO THE ISPWC.
 5. VERTICAL WALL ALLOWED WITH PROPER TRENCH SHORING (OR TRENCH DEPTH LESS THAN 5'). SHORING SHALL MEET OSHA REQUIREMENTS OF 29 CFR 1926.651 AND 1926.652.

BOISE CITY
STANDARD REVISIONS
FOR ISPWC 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 ISPWC 2020 00820 - 1 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 INSTALLTION

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 ISPWC 2020 00820 - 4 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 ISPWC 2020 00820 - 2 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 ISPWC 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 ISPWC 2020 00820 - 5 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 ISPWC 2020 00820 - 3 07/15/2021

ADDITIONAL CITY OF BOISE STANDARD DRAWINGS ATTACHED

BC SD-8 HISTORICAL POLE DETAIL

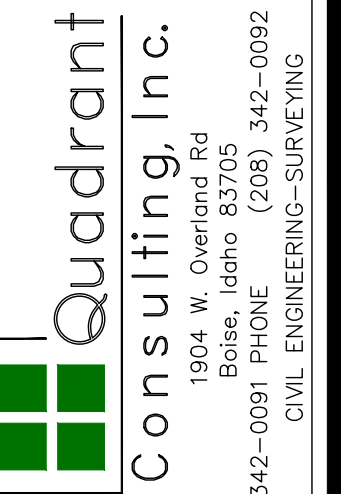
BC SD-9 HISTORICAL POLE BASE DETAIL

BC SD-11 HISTORICAL STREET LIGHT PLACEMENT

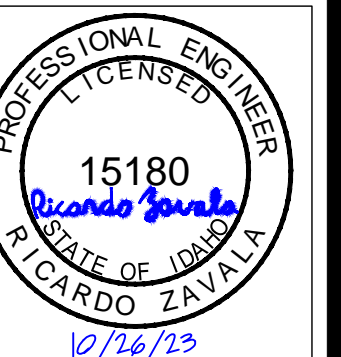
BC SD-1127 STREET LIGHT SERVICE PEDESTAL BASE

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

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



1904 W. Overland Rd
Boise, Idaho 83705
(208) 342-0091 PHONE (208) 342-0092 FAX
CIVIL ENGINEERING-SURVEYING



CCDC 17TH STREET IMPROVEMENTS
STREET LIGHTING SPECIFICATIONS

DESIGNED BY: RZ
DRAWN BY: RZ
CHECKED BY: RZ
PLOT DATE: 10/26/23

PROJECT NUMBER 204-43
CONSTRUCTION PLANS

BOISE

DESIGN PHASE
CONSTRUCTION PLANS

CCDC TASK ORDER NUMBER 19-008

IDAHO

NO.	DATE	BY	REVISION

USER: RICARDO ZAVALA LOCATION: C:\V\PROJECTS\204-43_17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\CIVIL DESIGN - 2414-43_C603_17TH_ST.LWG

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

1. LIGHT EMITTING DIODE (LED) LUMINAIRES 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 equivocal.
- 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

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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).

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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 = 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.

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.

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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) LUMINAIRES 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 equivocal.
- 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

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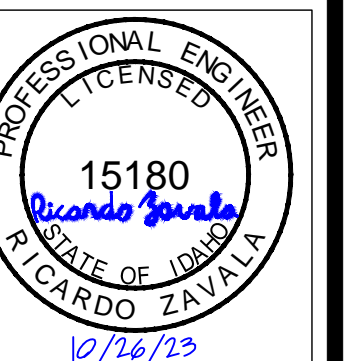
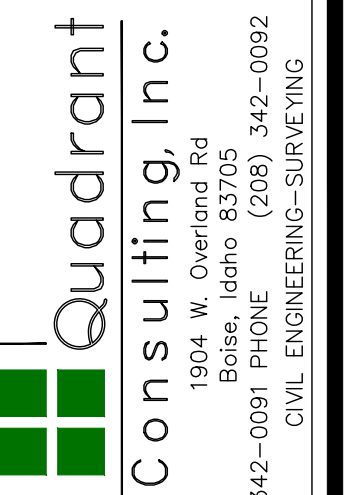
- The power supply (electronic driver) will have self-limited short circuit protected and overload protected.
- The power supply (electronic driver) will be fully incased with IP rating of 65 or greater.
- Surge protection device, incorporating a circuit module, internal fusing and MOVs rated to withstand 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.



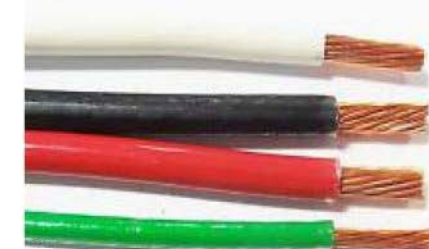
CCDC 17TH STREET IMPROVEMENTS
STREET LIGHTING SPECIFICATIONS
BOISE
DESIGN PHASE
CONSTRUCTION PLANS
PROJECT NUMBER
204-43
CCDC TASK ORDER NUMBER
19-008
IDAH0

DESIGNED BY: RZ	CHECKED BY: RZ		
DRAWN BY: RZ	PLOT DATE: 10/26/21		
NO.	DATE	BY	REVISION

City of Boise Public Works Street Light Requirements September 1, 2019

Conductor

All conductors in Cabinets, Junction Boxes, and Conduits shall be AWG # 6 copper
AWG # 10 conductors shall only be used inside light poles



- Neutral wire shall be **white** NEC 200.6
- The ISPWC does not allow phase tape to be used
- NEC states the Grounding wire shall be **green**

Circuits

- Lighting circuits are 30A 2P **NOT** 120V for meter cabinets
- "A" phase is Black
- "B" phase is Red
- Receptacle conductors are Blue & White

Bonding

- NEC 250-148 Continuity and Attachment of Equipment Grounding Conductors to Boxes & their cover with the use of a # 6 compression lug.
- Light pole, Pole Base, and Fixture shall be connected to the Grounding Wire



Cabinets

- Ground rod should be bonded with the grounding bar
- The neutral bar shall be bonded with the grounding bar at point of service
- 2" conduit should feed all cabinets on the line side (Idaho Power side)
- 2" conduits for all load side for Historical Poles or downtown
- 1" conduits are acceptable for subdivisions or small commercial projects on load side, ask the Street Lighting Technician if in doubt (Tom) 208-440-2320
- Must have a test switch in **all** cabinets
- Must have photo cell designed by the cabinet maker installed in cabinet, **NO EXCEPTIONS**
- **No** limers in meter cabinets
- City of Boise Planning and Development Services Electrical Inspector (208-608-7070) must inspect **all** cabinets before a final inspection by Public Works
- Must have Electrical permit for new service

Wire Connectors

The only acceptable wire connectors for all underground installations for street lights:



- NSI ISPB52/0 1 IN / 1 OUT
- NSI ISPB2/0-2 2 PORT
- NSI ISPB2/0-3 3 PORT
- NSI ISPB2/0-4 4 PORT
- NSI ISPB02/0 1 IN / 2 OUT

POLARIS™ EDGE
Pre-Insulated Connectors
For Street Lighting.



HOMAC USL 30

Historical poles

- Must have GFCI receptacles with TayMac Metal Bubble cover (MX5280S) with outer finish color RAL6009.
- Must have Banner Arm, Eye Bolt
- See Drawing BC SD-8 & BC SD-9, poles must be elevated more than 1" from the ground, and must be grouted around the base of the pole

Inspections

- Call Public Works Inspections at 208-608-7549 to schedule inspections
- Contractor must be onsite for all inspections
- Arc Fault current shall be labeled at Pole and/or cabinet

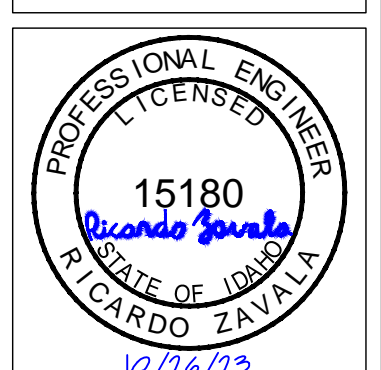
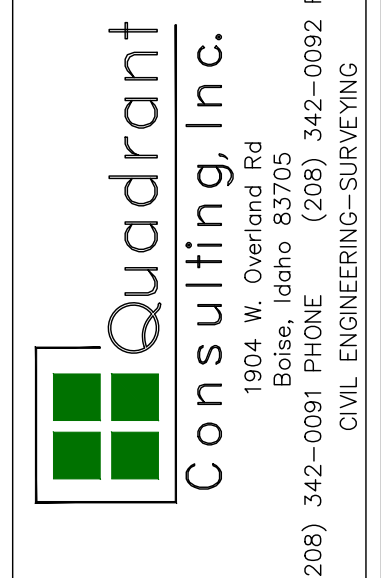
Website

Cityofboise.org → Public Works → Development Permits or Requirements → Street Lights

Please contact Tom with any questions.

208-608-7526

tmarshall@cityofboise.org



CCDC 17TH STREET IMPROVEMENTS
STREET LIGHTING SPECIFICATIONS

BOISE

DESIGN PHASE
CONSTRUCTION PLANS

PROJECT NUMBER
204-43

CCDC TASK ORDER NUMBER
19-008

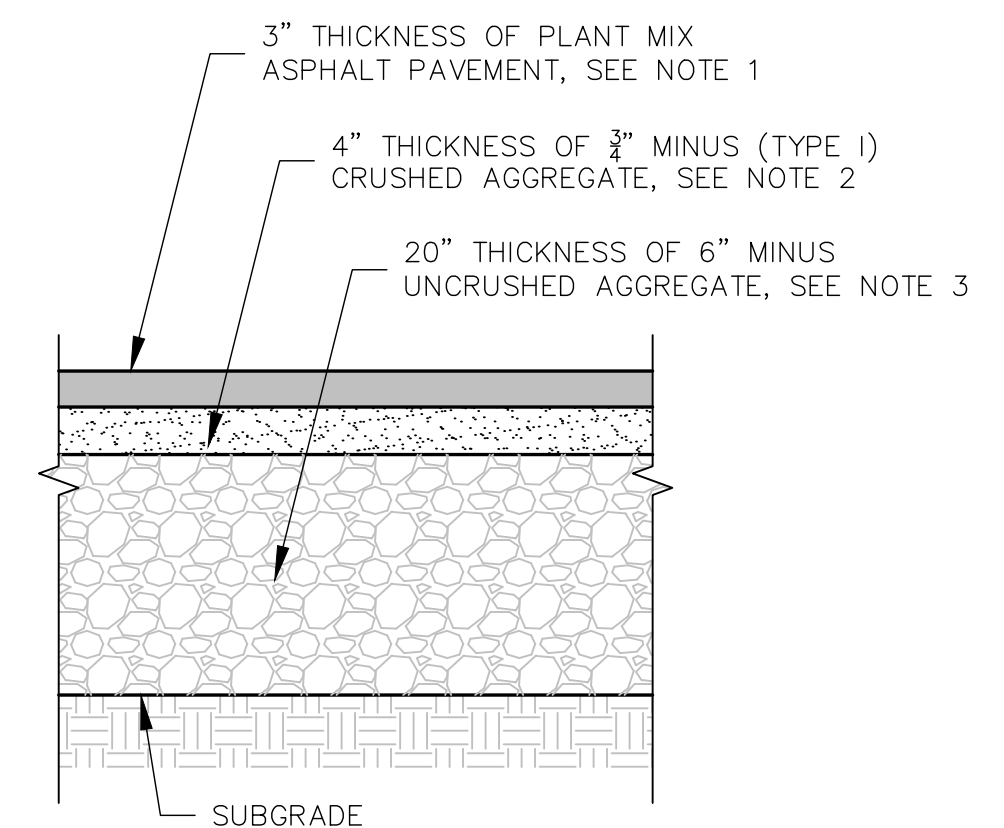
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DESIGNED BY: RZ	CHECKED BY: RZ		
DRAWN BY: RZ	PLOT DATE: 10/26/23		
NO.	DATE	BY	REVISION

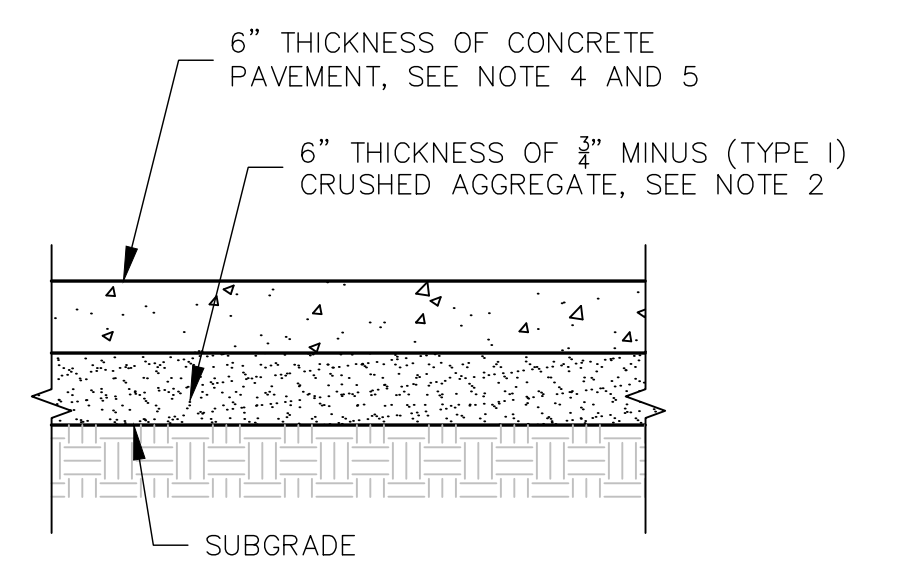
USER: RICARDO ZAVALLA LOCATION: C:\PROJECTS\204-43_17TH STREET IMPROVEMENTS\CIVIL DESIGN\DWG\CIVIL DESIGN - 244.43_CCDC 17TH ST.DWG

ASPHALT AND CONCRETE SECTION NOTES:

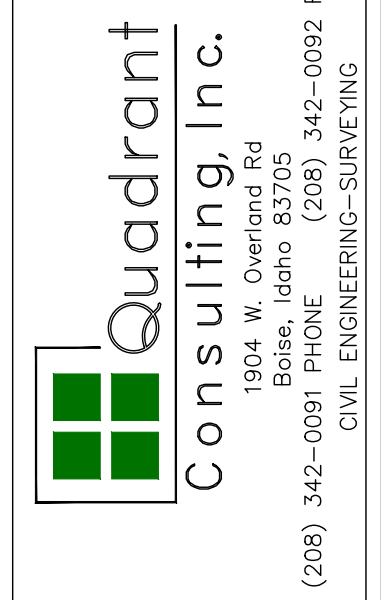
1. ASPHALT PAVEMENT SHALL CONSIST OF HOT-MIX ASPHALT SUPERPAVE PG 64-28 SP3 WITH 3/4" NOMINAL MAXIMUM AGGREGATE PER TABLE 1 IN SECTION 803.2.2.A OF THE ISPMC. PAVEMENT MUST BE COMPACTED TO AN AVERAGE 93 TO 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED BY ASTM D 2041, WITH NO INDIVIDUAL TESTS LESS THAN 92 PERCENT AND NO TESTS GREATER THAN 96 PERCENT. ASPHALT PAVEMENT SHALL MEET ISPMC AND ACHD SUPPLEMENTAL TO THE ISPMC SPECIFICATIONS.
2. 3/4" MINUS (TYPE 1) CRUSHED AGGREGATE SHALL MEET ISPMC SECTION 802 REQUIREMENTS. MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR). GRADATION PER TABLE 1 IN SECTION 802.2.2.A OF THE ISPMC.
3. 6" MINUS UNCRUSHED AGGREGATE SHALL MEET ISPMC SECTION 801 REQUIREMENTS. MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR). GRADATION PER TABLE 1 IN SECTION 801.2.2.A OF THE ISPMC.
4. CONCRETE PAVEMENT SHALL BE MINIMUM 4,500 PSI (28-DAY STRENGTH) COMPRESSIVE STRENGTH PORTLAND CEMENT CONCRETE WITH A MAXIMUM 2" SLUMP, 4-7 PERCENT ENTRAINED AIR, 0.42 MAXIMUM WATER TO CEMENT RATIO, 660 LB/YD MINIMUM CEMENTITIOUS CONTENT AND POLYPROPYLENE FIBER MESH ADDED AT A MINIMUM RATE OF 3 POUNDS OF MESH PER CUBIC YARD OF CONCRETE. THE CONTRACTOR MAY INCREASE MAXIMUM SLUMP TO 3 INCHES IF FINISHING MACHINES THAT PROVIDE ONLY SURFACE VIBRATION ARE USED AND 4 INCHES IF HAND METHODS ARE USED. CONCRETE PAVEMENT SHALL MEET ITD SPECIFICATIONS.
5. CONCRETE JOINTS SHALL BE SAW CUT WITHIN 4-12 HOURS OF THE POUR.



1 ASPHALT SECTION
CD1.00 NTS



2 CONCRETE SECTION
CD1.00 NTS



CCDC 17TH STREET IMPROVEMENTS
CIVIL DETAILS

BOISE

DESIGNED BY: RZ	CHECKED BY: RZ		
DRAWN BY: RZ	PLOT DATE: 10/26/23		
NO.	DATE	BY	REVISION

SHEET
CD1.00

IDAHO

CCDC TASK ORDER NUMBER
19-008

PROJECT NUMBER
204-43

DESIGN PHASE
CONSTRUCTION PLANS

CONSTRUCTION PLANS