

June 2, 2016

To Whom It May Concern:

SUBJECT: REQUEST FOR PROPOSALS FOR DESIGN OF THE SPRUCE STREET  
CHANNEL IMPROVEMENT PROJECT

Dear Sir or Madam:

The City of Escondido is seeking proposals for design of the Spruce Street Channel Improvement Project (Exhibit A). The Project involves construction of infrastructure to facilitate maintenance of the channel and culvert by installing manhole access in Spruce Street, and the installation of features in the infrastructure (filets in the culvert, rip rap at entry points into the unlined portion of the channel). The unlined portion of the channel will also be regraded to allow the channel to accommodate the 100-year flow and will be planted in accordance with a restoration plan that will add wetland and riparian habitat. Thirty percent engineering design plans have been prepared (Exhibit B), as well as a draft restoration plan and resource agency permits. Design services are to include preparation of plans, specifications and estimates. Three copies of consultant's proposal are to be submitted on or before 4:00 pm on Thursday, June 23, 2016 to the **City Clerk** on the second floor at 201 North Broadway, Escondido. To allow for proper processing the outside of the envelope should be clearly marked **Spruce Street Channel Improvement**.

#### **PROJECT LOCATION AND INFORMATION**

The project location is shown in the attached Exhibit A. The City of Escondido has secured funding for the design of the project and a portion of the implementation. Full funding for implementation will be budgeted as design is completed and resource agency permits are issued. This project is presented in the Carlsbad Water Quality Improvement Plan (a storm water compliance document) as a strategy to improve water quality and is a priority to the community as it will resolve infrastructure maintenance, potential flooding and vector control issues. The goal of the project is to enhance this gateway to Escondido by providing an aesthetically-pleasing channel that can accommodate the 100-year flow and is readily maintained.

The eastern (upstream) portion of the proposed construction area, located between South Spruce Street and West 3rd Avenue, consists of a concrete trapezoidal channel that receives dry- and wet-weather runoff from the culvert underneath West 3rd Avenue. Construction activities in the concrete trapezoidal channel would include removal of



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 2

sediment and vegetation, and dredging to its existing (and original) invert elevation. Minor riprap drainage and culvert resurfacing improvements are proposed to address problem erosion from off-site North County Transit District Sprinter Station runoff that enters the channel where the channel curves west.

The channel continues west underground beneath South Spruce Street, where it then turns and conveys drainage northward. The existing reinforced-concrete culvert along the northeast side of South Spruce Street has no access other than entry from the northwest or southeast openings, located just north of West Grand Avenue and just northeast of the West 2nd Avenue/South Spruce Street intersection. These access points have allowed for sediment removal in the past but create difficult conditions for maintenance workers. A series of 36-inch manholes (access shafts) spaced approximately 90 feet apart would be permanently installed in the existing box culvert along South Spruce Street, between West 3rd Street and Grand Avenue and are included in the design. These access shafts would improve ventilation for construction personnel during dredging, and allow for some maintenance activities by personnel at ground level. In addition a filet is proposed within the culvert to facilitate the movement of flow from west to north as water enters the culvert.

The culvert emerges in a channel north of Grand Avenue. Rip rap is included in the design to allow for the settlement of sediment before it enters the unlined channel between Grand and West Valley Parkway. The channel then goes under West Valley Parkway and continues to the north and west past the transit station to confluence with the Escondido Creek. The confluence marks the downstream limit of the project. The thirty percent design plans include the removal of the pedestrian bridge over the channel near the transit center and an adjustment in grade where the tributary confluences with Escondido Creek to facilitate access of maintenance machinery.

The expansion of the box culvert under West Valley Parkway and construction of a pedestrian bridge is included in the Transit Center Active Transportation Connections Project which is a fully-funded project that is currently under design by the City. The thirty percent design of the Spruce Street Channel Improvement Project was used as the basis of the project. Coordination will be required with the Project Manager of the Transit Center Active Transportation Connections Project (Exhibit C) to ensure that the two projects remain congruent.

A draft Restoration Plan has been prepared to accompany 401, 404 and California Department of Fish and Wildlife permit applications scheduled to be completed by May 31, 2016. A consultant (AECOM) has been retained to work with the City to facilitate the issue of Resource Agency permits.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 3

California Environmental Quality Act (CEQA) clearance has been completed for the project and can be reviewed on the City's website at: <https://www.escondido.org/Data/Sites/1/media/PDFs/Planning/sprucestreet/FinalMNDSpruceSt.pdf>.

This project will not need Right-of-Way Acquisition, as easements are available for maintenance and the project is to be conducted within these easements. However Right-of-Entry permits will likely be needed from North County Transit District to conduct the maintenance work. The City has easements for the maintenance of the channel and a survey has been conducted for the project (Record of Survey No. 21772). NCTD representatives have indicated support for this project.

#### **WORK TO BE PERFORMED BY CONSULTANT**

- Services shall include preparation of plans, specifications and a cost estimate, which shall be submitted at 60%, 90% and 100% stage.
- Plans shall include detailed revegetation/landscape and irrigation plans based on the restoration plan.
- Procure NCTD Right-of-Entry permits, or equivalent as needed for project implementation.
- The City will provide the Consultant with a copy of its standard special provisions and the consultant shall prepare project special provisions and technical specifications using the Standard Specifications for Public Works Construction (Greenbook) as a base.
- Consultant shall update the 30 percent Engineering Plan dated March 26, 2015 as applicable.
- Consultant shall incorporate survey and base map data.
- Consultant should include facilitation and materials for two community meetings.
- Consultant shall provide construction support, bid support, utility and stakeholder coordination, resource agency permit application support.
- Consultant shall prepare invoices and back-up as necessary to support grant reimbursement requests (for example, County of San Diego Vector Control grant for which an application has been submitted and the SANDAG Smartgrowth Grant).

#### **ENVIRONMENTAL**

As noted above the environmental clearance for this project is included in the Final Mitigated Negative Declaration for the Spruce Street Drainage Improvements which was approved at Escondido City Council on February 10, 2016 and may be viewed on the City's website at:



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 4

<https://www.escondido.org/Data/Sites/1/media/PDFs/Planning/sprucestreet/FinalMNDSpruceSt.pdf>.

In addition the City is currently working on obtaining permits from California Department of Fish & Wildlife, Regional Water Quality Control Board (401) and Army Corps of Engineers (404) for the Project.

### **SCHEDULE**

Design and permitting is scheduled to be complete by May 31, 2018. Construction, which will be implemented under a separate contract, will commence shortly after (Summer 2018).

### **CONTENTS OF THE PROPOSAL**

1. Proposed Project Team  
List roles and responsibilities of all team members (maximum 2 double-sided pages). Note that a double-sided page is a sheet of paper with writing on both sides.
2. Project Team Qualifications and References  
Include information on the qualification of all team members. Team members should have demonstrated experience in design and construction of similar projects. Please include a list of representative and similar past projects with a contact's name and phone number in your proposal. Any sub-consultants used for supporting services not performed by members of your firm must be listed separately in your proposal (maximum 5 double-sided pages).
3. Scope of Work and Approach  
Include information on the Consultant's approach to the project, potential challenges and how these challenges will be addressed (maximum 7 double sided pages).
4. Proposed Fee for Services  
Provide detailed information on the number of hours assigned to each task and the associated hourly rate for each of the team members (maximum 3 double sided pages).
5. Proposed Schedule  
Provide information outlining the schedule for major milestones in project design (maximum 2 double sided pages, page sizes greater than 8 ½ x 11 inches are allowed for the schedule only).



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 5

## GENERAL

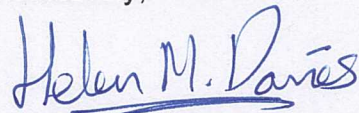
Enclosed is a copy of the City's standard form of contract for professional services. Please take note of the insurance requirements detailed in Paragraph No. 8. Be sure to review your current insurance policy and verify that your firm's coverage meets these minimum requirements. You will be required to provide an insurance certificate before entering into a contract with the City.

The proposal should include a signed statement that the standard form of contract for professional services and insurance requirements has been reviewed and that your organization can sign the contract as written and provide the insurance coverage as required. This can be included in a cover letter.

## SELECTION PROCESS

The proposals will be evaluated based on the qualifications of the proposed team for design of similar projects, proposed schedule and the value for the service provided. (If you have a date or a date range to provide here, that might save questions later.) The highest rated firm(s) may be interviewed by the City of Escondido. It is requested that any questions be submitted in writing to the attention of Helen Davies at [hdavies@escondido.org](mailto:hdavies@escondido.org).

Sincerely,



Helen M. Davies, M.S., CPSWQ  
Environmental Programs Manager



CITY OF ESCONDIDO

### CONSULTING AGREEMENT FOR DESIGN PROFESSIONALS

(ONLY for licensed architects, landscape architects, professional engineers, and professional land surveyors who are performing design services for the City)

This Agreement is made this  day of , 20.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 6

Between: CITY OF ESCONDIDO  
a Municipal Corporation  
201 N. Broadway  
Escondido, California 92025  
Attn: [REDACTED]  
760-xxxx  
("CITY")

And: [Name]  
[Street address]  
[City, state, zipcode]  
[Attn: (name of contact)]  
[Insert telephone number]  
("CONSULTANT")

Witness that whereas:

- A. It has been determined to be in the CITY's best interest to retain the professional services of a consultant to [insert brief description of what CONSULTANT will do here]; and
- B. The CONSULTANT is considered competent to perform the necessary professional services for CITY;

NOW, THEREFORE, it is mutually agreed by and between CITY and CONSULTANT as follows:

- 1. Services. The CONSULTANT will furnish all of the services as described in "Attachment A" which is attached and incorporated by this reference.
- 2. Compensation. The CITY will pay the CONSULTANT in accordance with the conditions specified in "Attachment A," in the sum of \$[REDACTED]. Any breach of this Agreement will relieve CITY from the obligation to pay CONSULTANT, if CONSULTANT has not corrected the breach after CITY provides notice and a reasonable time to correct it.
- 3. Scope of Compensation. The CONSULTANT will be compensated for performance of tasks specified in "Attachment A" only. No compensation will be provided for any other tasks without specific prior written consent from the CITY.
- 4. Duties. CONSULTANT will be responsible for the professional quality, technical accuracy, timely completion, and coordination of all reports and other services furnished by the CONSULTANT under this Agreement, except that the CONSULTANT will not be responsible for the accuracy of information supplied by the CITY.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 7

5. Personnel. The performance of services under this Agreement by certain professionals is significant to the CITY. CONSULTANT will assign the persons listed on "Attachment B," which is attached and incorporated by this reference, to perform the Services described in Paragraph 1, and will not add or remove persons from the list without the prior written consent of the CITY. CONSULTANT will not subcontract any tasks under this Agreement without obtaining the advance written consent of the CITY.
6. Termination. Either CONSULTANT or the CITY may terminate this Agreement with thirty (30) days advance written notice.
7. City Property. All original documents, drawings, electronic media, and other material prepared by CONSULTANT under this Agreement immediately becomes the exclusive property of the CITY, and may not be used by CONSULTANT for any other purpose without prior written consent of the CITY.
8. Insurance.
  - a. The CONSULTANT shall secure and maintain at its own costs, for all operations, the following insurance coverage, unless reduced by the City Attorney:
    - (1) General liability insurance. Occurrence basis with minimum limits of \$1,000,000 each occurrence, \$2,000,000 General Aggregate, and \$1,000,000 Products/Completed Operations Aggregate; and
    - (2) Automobile liability insurance of \$1,000,000 combined single-limit per accident for bodily injury and property damage, unless waived as provided in 8(b) below; and
    - (3) Workers' compensation and employer's liability insurance as required by the California Labor Code, as amended, or certificate of sole proprietorship; and
    - (4) Errors and Omissions professional liability insurance with minimum coverage of \$1,000,000.
  - b. It is the parties' understanding that the use of a motor vehicle is not a primary subject of this Agreement. CONSULTANT acknowledges that operating a motor vehicle is outside the scope of this Agreement and occurs only at the convenience of the CONSULTANT. A waiver of automobile liability insurance is only effective if both sets of initials appear below, otherwise such insurance is required.  
  
Acknowledged by CONSULTANT \_\_\_\_\_  
  
Waiver appropriate by CITY \_\_\_\_\_
  - c. Each insurance policy required above must be acceptable to the City Attorney:
    - (1) Each policy must provide for written notice within no more than thirty (30) days if cancellation or termination of the policy occurs. Insurance coverage must be



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 8

provided by an A.M. Best's A- rated, class V carrier or better, admitted in California, or if non-admitted, a company that is not on the Department of Insurance list of unacceptable carriers.

- (2) All non-admitted carriers will be required to provide a service of suit endorsement in addition to the additional insured endorsement.
  - (3) Both the General Liability and the Automotive Liability policies must name the CITY specifically as an additional insured under the policy on a separate endorsement page. The endorsement must be ISO Form CG2010 11/85 edition or its equivalent for General Liability endorsements and CA 20-01 for Automobile Liability endorsements.
  - (4) The General Liability policy must include coverage for bodily injury and property damage arising from CONSULTANT's work including its ongoing operations and products-completed operations hazard.
  - (5) The General Liability policy must be primary and noncontributory and any insurance maintained by CITY is excess.
- d. In executing this Agreement, CONSULTANT agrees to have completed insurance documents on file with the CITY within fourteen (14) days after the date of execution. Failure to comply with insurance requirements under this Agreement will be a material breach of this Agreement, resulting in immediate termination at CITY's option.
9. Indemnification. CONSULTANT (which in this paragraph 9 includes its agents, employees and subcontractors, if any) agrees to indemnify, defend, and hold harmless the CITY from all claims, lawsuits, damages, judgments, loss, liability, or expenses, including attorneys' fees, for any of the following:
  - a. Any claim of liability arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of CONSULTANT in the performance of this Agreement, excepting only those claims resulting from the sole negligence, active negligence or intentional misconduct of CITY, its employees, officials, or agents, not including CONSULTANT;
  - b. Any personal injuries, property damage or death that CONSULTANT may sustain while using CITY-controlled property or equipment, while participating in any activity sponsored by the CITY, or from any dangerous condition of property; or
  - c. Any injury or death which results or increases by any action taken to medically treat CONSULTANT.
10. Anti-Assignment Clause. The CONSULTANT may not assign, delegate or transfer any interest or duty under this Agreement without advance written approval of the CITY, and any attempt to do so will immediately render this entire Agreement null and void.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 9

11. Costs and Attorney's Fees. In the event that legal action is required to enforce the terms and conditions of this Agreement, the prevailing party will be entitled to reasonable attorneys' fees and costs.
12. Independent Contractor. CONSULTANT is an independent contractor and no agency or employment relationship, either express or implied, is created by the execution of this Agreement.
13. Merger Clause. This Agreement and its Attachments, if any, are the entire understanding of the parties, and there are no other terms or conditions, written or oral, controlling this matter. In the event of any conflict between the provisions of this Agreement and any of its Attachments, the provisions of this Agreement must prevail.
14. Anti-Waiver Clause. None of the provisions in this Agreement will be waived by CITY because of previous failure to insist upon strict performance, nor will any provision be waived by CITY because any other provision has been waived, in whole or in part.
15. Severability. The invalidity in whole or in part of any provision of this Agreement will not void or affect the validity of any other provisions of this Agreement.
16. Choice of Law. This Agreement is governed by the laws of the State of California. Venue for all actions arising from this Agreement must be exclusively in the state or federal courts located in San Diego County, California.
17. Multiple Copies of Agreement/Counterparts. Multiple copies and/or counterparts of this Agreement may be executed, including duplication by photocopy or by computerized scanning device. Each duplicate will be deemed an original with the same effect as if all the signatures were on the same instrument. However, the parties agree that the Agreement on file in the office of the Escondido City Clerk is the copy of the Agreement that shall take precedence should any differences exist among copies or counterparts of the document.
18. Provisions Cumulative. The foregoing provisions are cumulative and in addition to and not in limitation of any other rights or remedies available to the CITY.
19. Notices to Parties. Any statements, communications or notices to be provided pursuant to this Agreement must be sent to the attention of the persons indicated below. Each party agrees to promptly send notice of any changes of this information to the other party, at the address first above written.
20. Business License. The CONSULTANT is required to obtain a City of Escondido Business License prior to execution of this Agreement.
21. Compliance with Applicable Laws, Permits and Licenses. CONSULTANT shall keep itself informed of and comply with all applicable federal, state, and local laws, statutes, codes, ordinances, regulations, and rules in effect during the term of this Agreement.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 10

CONSULTANT shall obtain any and all licenses, permits, and authorizations necessary to perform services set forth in this Agreement. Neither CITY, nor any elected nor appointed boards, officers, officials, employees, or agents of CITY shall be liable, at law or in equity, as a result of any failure of CONSULTANT to comply with this section.

22. Immigration Reform and Control Act of 1986. CONSULTANT shall keep itself informed of and comply with the Immigration Reform and Control Act of 1986. CONSULTANT affirms that as an employer in the State of California, all new employees must produce proof of eligibility to work in the United States within the first three days of employment and that only employees legally eligible to work in the United States will be employed on this public project. CONSULTANT agrees to comply with such provisions before commencing and continuously throughout the performance of this Agreement.

*Note three options for signature are presented below, selection will depend on total project cost.*

IN WITNESS WHEREOF, the parties below are authorized to act on behalf of their organizations, and have executed this Agreement as of the date set forth below.

CITY OF ESCONDIDO

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Department or Division Head Name & Title

Date: \_\_\_\_\_

[CONSULTANT COMPANY NAME]

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name & Title (please print)



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 11

APPROVED AS TO FORM:

OFFICE OF THE CITY ATTORNEY  
JEFFREY R. EPP, City Attorney

By: \_\_\_\_\_

THE CITY OF ESCONDIDO DOES NOT DISCRIMINATE AGAINST QUALIFIED PERSONS WITH DISABILITIES.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 12

IN WITNESS WHEREOF, the parties below are authorized to act on behalf of their organizations, and have executed this Agreement as of the date set forth below.

CITY OF ESCONDIDO

Date: \_\_\_\_\_

\_\_\_\_\_  
Graham Mitchell  
City Manager

Date: \_\_\_\_\_

\_\_\_\_\_  
Department or Division Head

Date: \_\_\_\_\_

\_\_\_\_\_  
(Contractor signature)

\_\_\_\_\_  
Title

APPROVED AS TO FORM:

OFFICE OF THE CITY ATTORNEY  
JEFFREY R. EPP, City Attorney

By: \_\_\_\_\_

THE CITY OF ESCONDIDO DOES NOT DISCRIMINATE AGAINST QUALIFIED PERSONS WITH DISABILITIES.



June 2, 2016

Request for Proposals: Spruce Street Channel Improvement Project

Page 13

IN WITNESS WHEREOF, the parties below are authorized to act on behalf of their organizations, and have executed this Agreement as of the date set forth below.

CITY OF ESCONDIDO

Date: \_\_\_\_\_

\_\_\_\_\_  
Sam Abed  
Mayor

Date: \_\_\_\_\_

\_\_\_\_\_  
Diane Halverson  
City Clerk

Date: \_\_\_\_\_

\_\_\_\_\_  
(Contractor signature)

\_\_\_\_\_  
Title

*(The above signature must be notarized)*

APPROVED AS TO FORM:

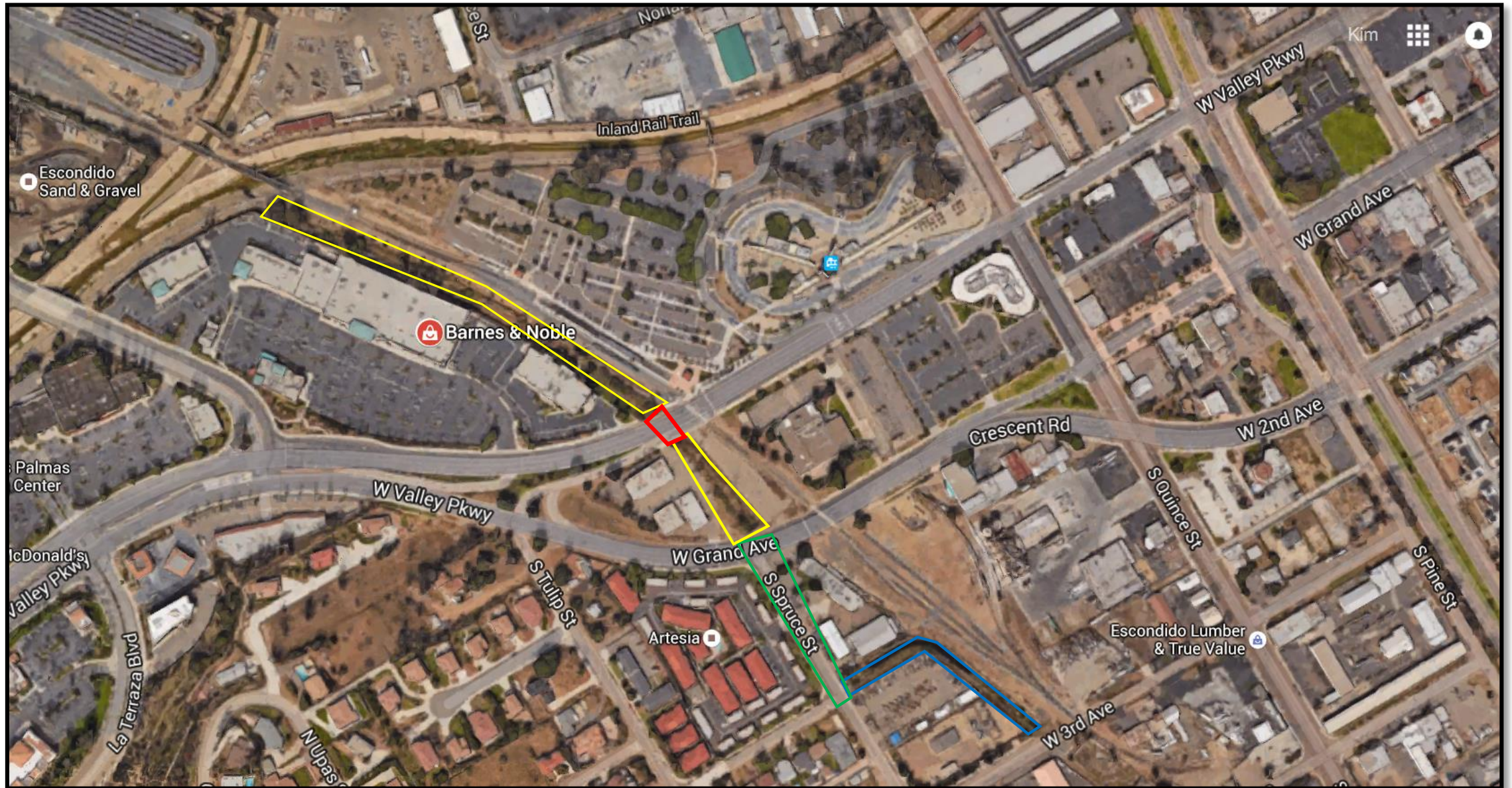
OFFICE OF THE CITY ATTORNEY  
JEFFREY R. EPP, City Attorney

By: \_\_\_\_\_

THE CITY OF ESCONDIDO DOES NOT DISCRIMINATE AGAINST QUALIFIED PERSONS WITH DISABILITIES.



# SPRUCE STREET DRAINAGE IMPROVEMENT PROJECT



Concrete-lined channel

Vegetated channel

Underground culvert

Transit Center Active  
Transportation Connections Project

Project area = Concrete lined channel and  
underground culvert and vegetated  
channel







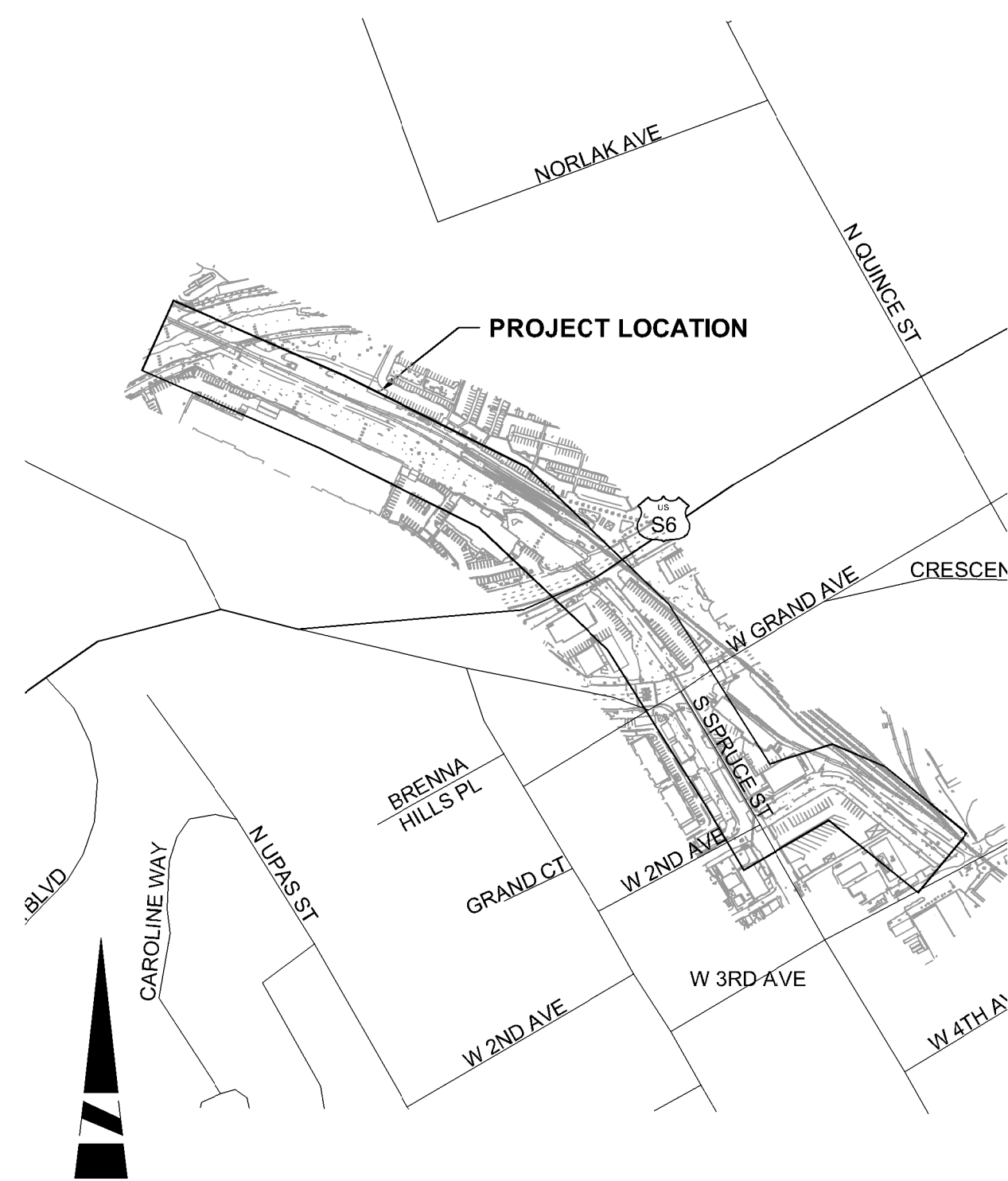
# SPRUCE STREET CHANNEL IMPROVEMENT PROJECT

( )

## ER No. XXXX-XX



**KEY MAP**  
SCALE 1" = 200'



**LOCATION MAP**  
NO SCALE

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT. THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF ESCONDIDO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

KERI GANNON  
R.C.E. # 68877  
EXP DATE: March 26, 2015

DATE

**OWNER / PERMITEE**

OWNER/DEVELOPER NAME: CITY OF ESCONDIDO  
ADDRESS: 201 NORTH BROADWAY, ESCONDIDO, CA 92025  
TEL NO: (760) 839-4651  
FAX NO: (760) 869-4597

**ENGINEER**

AECOM  
401 WEST A STREET, SUITE 1200  
SAN DIEGO, CA 92101  
TEL NO: (619) 610-7600  
FAX NO: (619) 610-7601

**BASIS OF BEARINGS:**

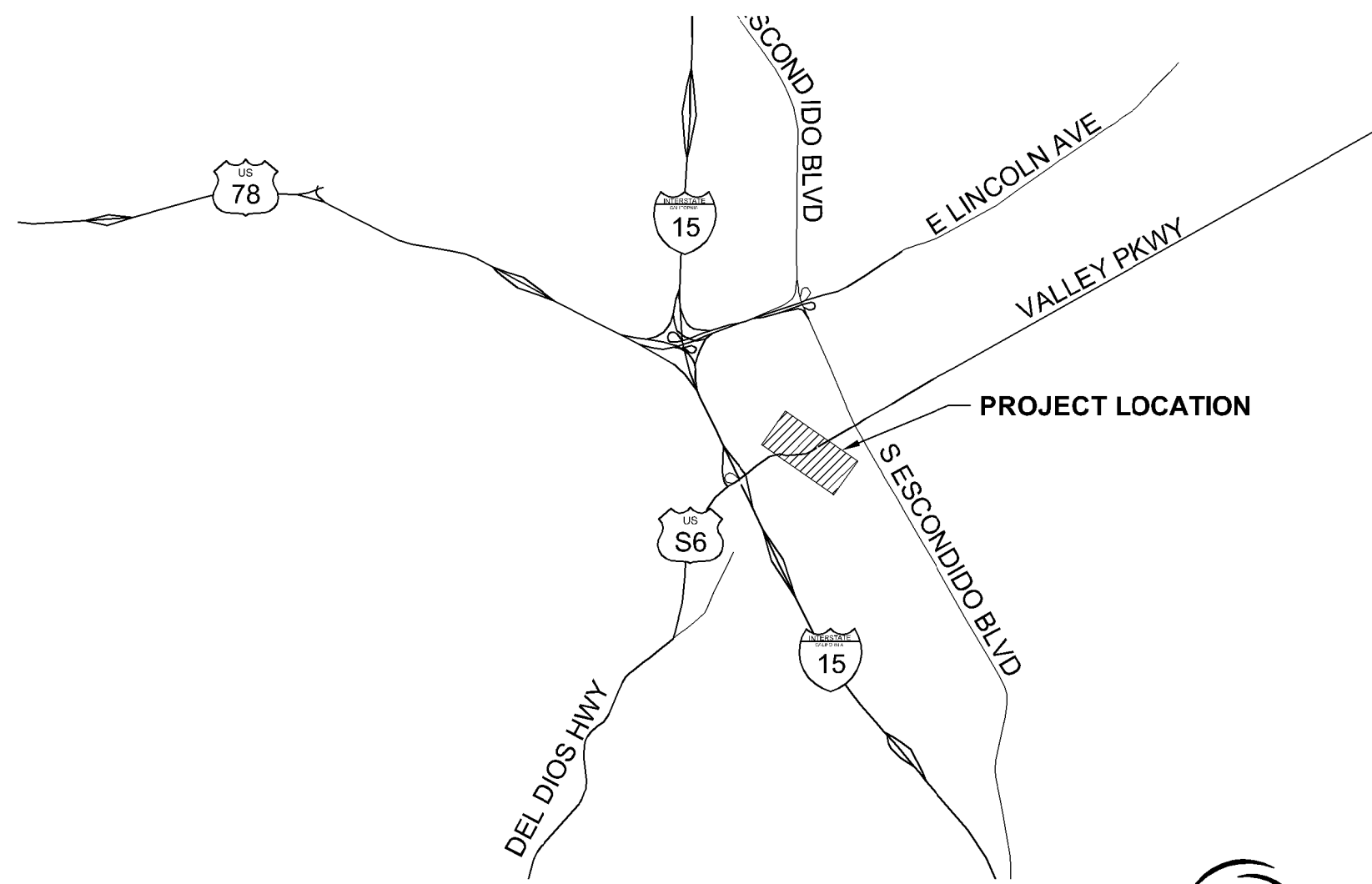
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CCS83, ZONE 6, GRID BEARING BETWEEN STATION 87 (FIRST ORDER ACCURACY) & STATION 84 (FIRST ORDER ACCURACY), AS SAID STATIONS ARE SHOWN ON RECORD OF SURVEY 16709, IE N 63°38'21" W

THE DISTANCES SHOWN HEREON ARE GRID DISTANCES, UNLESS NOTED OTHERWISE.  
GROUND DISTANCE = GRID DISTANCE / 0.99993583

QUOTED BEARINGS FROM REFERENCE MAPS/DEEDS MAY OR MAY NOT BE IN TERMS OF SAID SYSTEM.

**SHEET INDEX**

NO.	DESCRIPTION
1	TITLE SHEET
2	NOTES SHEET
3	PLAN AND PROFILE STA 10+00 TO STA 15+00
4	PLAN AND PROFILE STA 15+00 TO STA 20+00
5	PLAN AND PROFILE STA 20+00 TO STA 25+00
6	PLAN AND PROFILE STA 25+00 TO STA 29+85
7	PLAN AND PROFILE STA 29+85 TO STA 33+00
8	PLAN AND PROFILE STA 33+00 TO STA 36+65
9 - 11	DETAILS
12	PLANTING NOTES
13	PLANTING PLAN STA 10+00 TO STA 15+00
14	PLANTING PLAN STA 15+00 TO STA 20+00
15	PLANTING PLAN STA 20+00 TO STA 25+00
16	PLANTING PLAN STA 25+00 TO STA 29+85
17	PLANTING PLAN STA 29+85 TO STA 33+00
18	PLANTING PLAN STA 33+00 TO STA 36+65



**VICINITY MAP**  
NO SCALE



CONSTRUCTION RECORD		REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS	Drawing No.
Contractor								ELEV.     DATUM: .	Horizontal	Filmed	Plans Prepared Under Supervision Of				By	By	Improvement Plans for:		SPRUCE STREET CHANNEL IMPROVEMENT PROJECT	Sheet   1 of 19
Inspector							Vertical		Traffic	Keri Gannon	Date	03/26/2015		Assistant City Engineer of Public Works	Director of Public Works	TITLE SHEET				
Date Completed										R.C.E. No.	68877									



DWG: P:\\_MultiOffice\Projects\6031377\900-CAD\00-WORK\310-CAD\20-SHEETS\6031377-SHT-000-C-TS-002.dwg

GENERAL NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE "GREEN BOOK" STANDARD SPECIFICATIONS 2012 EDITION, 2012 REGIONAL SUPPLEMENTS, SPECIAL PROVISIONS OF THE CITY OF ESCONDIDO'S DESIGN STANDARDS AND STANDARD DRAWINGS EFFECTIVE MAY 6, 2009, SAN DIEGO REGIONAL STANDARD DRAWINGS, 2012 EDITION AND CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS, 2006 EDITION, ALONG WITH ANY REGIONAL SUPPLEMENTAL AMENDMENTS THERETO.
2. ALL CONTRACTORS WORKING IN THE PUBLIC RIGHTS-OF-WAY SHALL OBTAIN A NO - FEE ENCROACHMENT PERMIT FROM THE ENGINEERING FIELD OFFICE. INSPECTION OF ALL WORK IS REQUIRED. CONTACT THE ENGINEERING FIELD OFFICE (839-4664) TO ARRANGE FOR ENCROACHMENT PERMITS AND INSPECTION. TWENTY-FOUR HOUR ADVANCE NOTICE IS REQUIRED FOR INSPECTION. NO WORK SHALL BE PERFORMED IN THE PUBLIC RIGHT-OF-WAY ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, BY POTHOLING, PRIOR TO THE START OF ANY UNDERGROUND UTILITY INSTALLATION, WHETHER SHOWN HEREON OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
4. NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE THEREFOR.
5. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE EFFECTIVE REMOVAL OF ALL MARK-OUT PAINT, PLACED BY OTHERS, USED TO LOCATE SUBSTRUCTURES BEFORE THE FINAL INSPECTION OF THE PROJECT. CLEAN UP SHALL INCLUDE REMOVAL OF ALL UTILITY MARK-OUT PAINT PLACED ON THE JOB SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL MARK-OUT PAINT IN A MANNER THAT WILL NOT DAMAGE OR DEGRADE ANY SURFACE FROM WHICH PAINT IS REMOVED. "BLACKING OUT" OR PAINTING OVER MARK-OUTS IS NOT ACCEPTABLE.

STREET NOTES:

1. ALL STATIONING REFERS TO THE CENTERLINE OF THE STREET.
2. ALL CURB DATA REFER TO THE FACE OF THE CURB.
3. STRUCTURAL SECTION TO BE CONFIRMED AFTER ROUGH GRADING IS COMPLETED, ACCORDING TO FIGURE 3 OF THE CITY OF ESCONDIDO DESIGN STANDARDS.


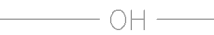



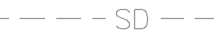






TRAFFIC CONTROL NOTES:

1. THE CITY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO REVOKE THE PERMIT SHOULD THE PERMITTEE FAIL TO ENSURE PUBLIC SAFETY.
2. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.
3. WORK HOURS SHALL BE RESTRICTED TO BETWEEN 8:30 A.M. TO 3:30 P.M. UNLESS APPROVED OTHERWISE.
4. TRAFFIC CONTROL DEVICES ARE TO BE PLACED BY A PERSON TRAINED IN TRAFFIC CONTROL AND ARE TO BE CHECKED, AND MAINTAINED AS NECESSARY, PERIODICALLY THROUGHOUT THE DAY. FAILURE TO MAINTAIN TRAFFIC CONTROL DEVICES MAY RESULT IN ENCROACHMENT PERMIT REVOCATION.
5. PEDESTRIAN CONTROLS SHALL BE PROVIDED AS SHOWN ON THE PLANS.
6. TEMPORARY "NO PARKING" SIGNS WILL BE POSTED 72 HOURS PRIOR TO COMMENCING WORK WHICH INDICATE THE DAY(S) OF THE WEEK AND HOURS OF THE DAY THAT THE WORK IS TO BE PERFORMED.
7. ACCESS TO DRIVEWAYS WILL BE MAINTAINED AT ALL TIMES UNLESS OTHER ARRANGEMENTS ARE MADE AND PREVIOUSLY APPROVED BY A CITY ENGINEER OR HIS REPRESENTATIVE.
8. THE CONTRACTOR SHALL REPLACE, WITHIN 72 HOURS, ALL TRAFFIC SIGNAL LOOP DETECTORS DAMAGED DURING CONSTRUCTION.
9. ALL STRIPING REMOVED OR DAMAGED WILL BE REPLACED BY THE CONTRACTOR WITHIN 24 HOURS (OR REPLACED WITH TEMPORARY TAPE).
10. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE SAFETY VEST. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A HARD HAT, C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
11. ANY WORK THAT DISTURBS NORMAL TRAFFIC SIGNAL OPERATIONS SHALL BE COORDINATED WITH THE CITY 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
12. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES 24 HOURS PER DAY AND 7 DAYS PER WEEK.
13. A MINIMUM OF TWELVE (12) FOOT TRAVEL LANES MUST BE MAINTAINED UNLESS OTHERWISE APPROVED BY THE CITY.
14. ALL NIGHT WORK WILL REQUIRE WRITTEN APPROVAL FROM THE CITY MANAGER. LANE CLOSURES, ROAD DETOURS, ROAD CLOSURES, AND TRAFFIC SIGNAL MODIFICATIONS ASSOCIATED WITH OVERNIGHT CONSTRUCTION ACTIVITIES WILL REQUIRE WARNING SIGNS TO BE PLACED AT LEAST ONE WEEK IN ADVANCE OF STARTING CONSTRUCTION.
15. A FLASHING ARROW BOARD SHALL BE REQUIRED ON ALL ARTERIAL STREET LANE CLOSURES.
16. DEVIATIONS IN THE ACTUAL PLACEMENT OF TRAFFIC CONTROL DEVICES RELATIVE TO THE APPROVED TRAFFIC CONTROL PLAN ARE PROHIBITED. CHANGES MUST BE SUBMITTED, IN WRITING, TO THE CITY IN THE REQUIRED PLAN FORMAT BY THE PERMITTEE AND APPROVED PRIOR TO IMPLEMENTATION. ALL TRAFFIC CONTROL PLANS MUST BE SIGNED BY A PROFESSIONAL TRAFFIC ENGINEER LICENSED IN CALIFORNIA, UNLESS OTHERWISE REQUESTED BY THE CITY.

UTILITY NOTES:

1. ALL TEMPORARY PAVING PLACED BY ANY CONTRACTOR, SUBCONTRACTOR OR UTILITY COMPANY SHALL REMAIN IN THE PUBLIC RIGHT OF WAY FOR NOT MORE THAN 30 CALENDAR DAYS ON RESIDENTIAL STREETS AND 72 HOURS ON ARTERIALS, MAJOR ROADS, COLLECTORS AND LOCAL RESIDENTIAL STREETS AND 72 HOURS ON ARTERIALS, MAJOR ROADS, COLLECTORS AND LOCAL COLLECTORS, PRIOR TO PLACEMENT OF PERMANENT PAVEMENT. ALL TEMPORARY PAVING PLACED IN THE PUBLIC RIGHT OF WAY SHALL BE MAINTAINED CONTINUOUSLY IN ACCORDANCE WITH CITY OF ESCONDIDO STANDARD DRAWING NO. G-3-E.
2. ALL UNDERGROUND UTILITIES TO BE INSTALLED BEFORE CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS OR SURFACING OF STREETS.
3. A FEE IS CHARGED FOR SHUTTING DOWN OR TAPPING A LIVE WATERLINE. CONTACT THE FIELD ENGINEERING INSPECTOR AT (760) 839-4664 FOR A DETERMINATION OF THE FEE AMOUNT. SCHEDULE ALL SHUTDOWNS THROUGH A FIELD ENGINEERING INSPECTOR. THIS IS ONLY APPLICABLE TO THE CITY OF ESCONDIDO WATERLINES.
4. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY COMPANIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED. SEE OWNER'S LETTER REGARDING UTILITY COORDINATION DATED \_\_\_\_\_.
5. PAVED ACCESS TO THE SITE SHALL BE MAINTAINED FOR THE USE OF HEAVY FIRE FIGHTING EQUIPMENT.

LEGEND:


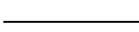



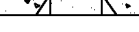
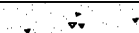


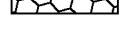



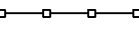


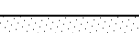
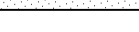


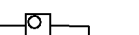

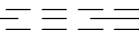
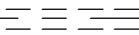

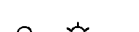






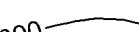







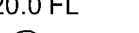
SYMBOLS	DESCRIPTION (EXISTING FEATURES)
	ELECTRIC
	OVERHEAD ELECTRIC
	GAS
	RECLAIMED WATER
	SEWER
	STORM DRAIN
	TELEPHONE
	WATER
	BLOW-OFF
	WATER VALVE
	POWER POLE
	CONTOUR

WORK TO BE DONE:

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, CITY OF ESCONDIDO'S DESIGN STANDARDS AND STANDARD DRAWINGS DATED MAY 6, 2009, THE SAN DIEGO REGIONAL STANDARD DRAWINGS, 2012 EDITION AND CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS, 2006 EDITION, ALONG WITH ANY REGIONAL SUPPLEMENTAL AMENDMENTS THERETO, "GREEN BOOK" STANDARD SPECIFICATIONS 2012 EDITION, 2012 REGIONAL SUPPLEMENTS, SPECIAL PROVISIONS OF THE CITY OF ESCONDIDO'S DESIGN STANDARDS AND STANDARD DRAWINGS EFFECTIVE MAY 6, 2009.

1.

LEGEND:

SYMBOLS	DESCRIPTION (PROPOSED FEATURES)	REGIONAL STANDARD DWG OR DETAIL
	COMPACTED FILL	
	TYPE "G" CURB AND GUTTER (H= 8")	G-2 (MODIFIED)
	TYPE "G" CURB AND GUTTER	G-2
	6" TYPE "G" CURB	G-1
	TYPE "B-1" CURB (H= 8")	G-6 (MODIFIED)
	RETAINING WALL	C-11A & $\left(\frac{3}{70}\right)$
	CONCRETE DRIVEWAY	G-14A
	CONCRETE SIDEWALK	G-7
	STREET SURVEY MONUMENT	M-10
	ROCK SLOPE PROTECTION	PER STRUCTURAL PLANS
	DECOMPOSED GRANITE PATHWAY	CSP A77C3, A77C5, A77C6, A77C7, A77F1 TYPE 12B, A77F3, A77J1, A77J4, A77K1
	LANDSCAPING (SEE PLANTING PLANS)	
	METAL BEAM GUARDRAIL	$\left(\frac{1}{78}\right)$ $\left(\frac{2}{78}\right)$ $\left(\frac{3}{78}\right)$ $\left(\frac{4}{78}\right)$
	TEMPORARY FENCE (TYPE ESA)	D-9
	DAYLIGHT LINE	D-2
	INFILTRATION SWALE	D-2
	STORM DRAIN CLEANOUT, TYPE A	D-2
	STORM DRAIN INLET, TYPE B	D-7
	STORM DRAIN INLET, TYPE B-1	
	STORM DRAIN INLET, TYPE B-2	
	CATCH BASIN, TYPE F	D-30 $\left(\frac{5}{78}\right)$ $\left(\frac{6}{78}\right)$
	STORM DRAIN PIPE	D-40
	STRAIGHT HEADWALL	E-1
	RIP RAP ENERGY DISSIPATER	I-25
	STREET LIGHT	M-9
	IRRIGATION SLEEVES, TRENCH DETAIL PER	
	GUARD POST AND BARRICADE	
	SAWCUT AND REMOVE EXISTING PAVEMENT AND BASE SECTION	DS-10
	COLD PLANE AND AC OVERLAY	
	CUT AND FILL SLOPES, SLOPE BENCHING	
	PROPOSED MAJOR CONTOUR	
	PROPOSED MINOR CONTOUR	
	PUBLIC R/W, PUBLIC RIGHT OF WAY	
	RAILROAD R/W	
	PROPERTY LINE	
	LOT LINE	
	EASEMENT LINE	
	EASEMENT CENTER LINE	
	EXISTING ELEVATION	
	PROPOSED FLOW LINE	
	BOULDER	

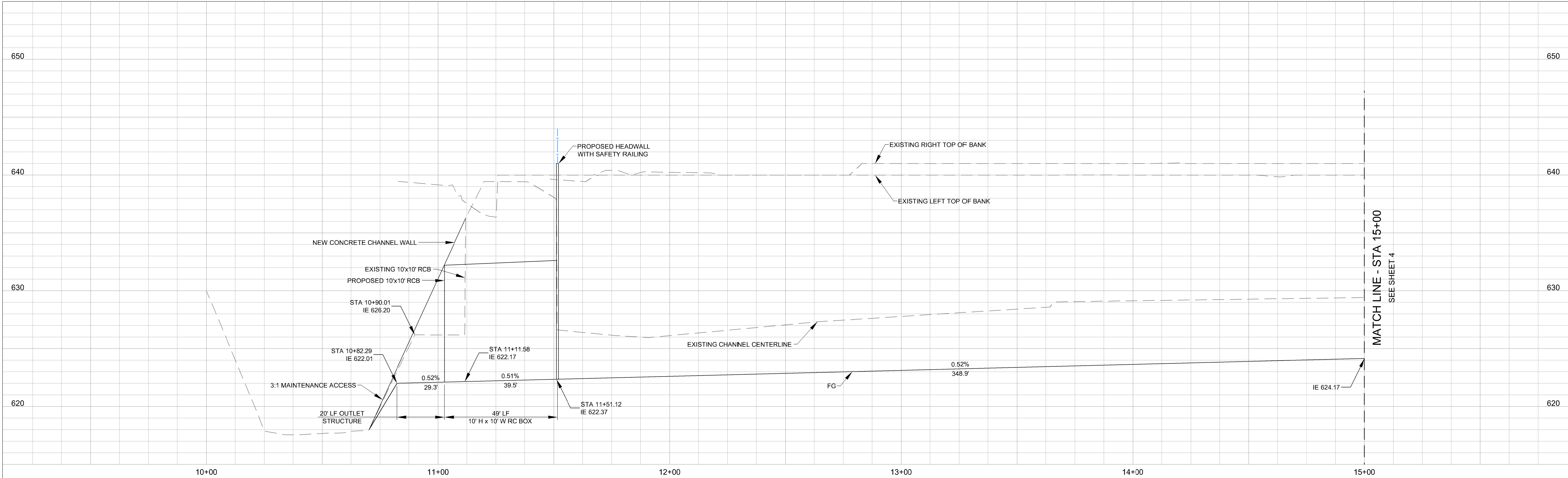
ABBREVIATIONS:

AC	ASPHALT CONCRETE
APE	AREA OF POTENTIAL EFFECT
BC	BEGIN CURVE
BRG	BEARING
BO	BLOWOFF
BVC	BEGIN VERTICAL CURVE
CAB	CRUSHED AGGREGATE BASE
CATV PED	CABLE TV PEDESTAL
CDS	COUNTY DESIGN STANDARDS
CIDH	CAST-IN-DRILLED-HOLE
CL	CENTER LINE
CLCNC	CONCRETE
CSP	CALTRANS STANDARD PLANS
Dia	DIAMETER
DG	DISINTEGRATED GRANITE
DR	DRIVE
DWY	DRIVEWAY
E	EASTING/ELECTRIC
EC	END CURVE
ELEC VLT	ELECTRIC VAULT
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EXIST/EX	EXISTING
FES	FLARED END SECTION
FH	FIRE HYDRANT
FL	FLOW LINE
FO	FIBER OPTIC
GAS V	GAS VALVE
GAS VLT	GAS VAULT
HGL	HYDRAULIC GRADE LINE
HARRF	HALE AVENUE RESOURCE RECOVERY FACILITY
HMA	HOT MIX ASPHALT
HMP	HYDRO MODIFICATION PLAN
HORIZ	HORIZONTAL
HP	HIGH POINT
HWL	HIGH WATER LEVEL
ICV	IRRIGATION CONTROL VALVE
IE	INVERT ELEVATION
L	LENGTH
LN	LANE
LOL	LAYOUT LINE
LP	LOW POINT
LT	LEFT
MB	MAILBOX
MIN	MINIMUM
MJ	MECHANICAL JOINT
N	NORTHING
NB	NORTH BOUND
OC	ON CENTER
OH	OVERHEAD ELECTRIC
OS	OFFSET
OT	OVERHEAD TELEPHONE
PB	PULLBOX
PCC	PORTLAND CEMENT CONCRETE/POINT OF COMPOUND CURVE
PCR	POINT OF CURB RETURN
PRC	POINT OF REVERSING CURVE
PED	PEDESTRIAN/PEDESTAL
PL	PROPERTY LINE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
PVT	PRIVATE
Q	FLOW RATE
RC	RELATIVE COMPACTION
R/W	RIGHT OF WAY
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RSP	ROCK SLOPE PROTECTION
RD	ROAD
RL	RELOCATE
RM	REMOVE
RS	ROAD SURVEY
RT	RIGHT
RW	RECYCLED WATER/RETAINING WALL
R/W	RIGHT OF WAY
S	SEWER
SB	SOUTH BOUND
SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS
SF	SQUARE FEET
SHT	SHEET
SDMH	STORM DRAIN MANHOLE
SMH	SEWER MANHOLE
SP	SIGN POST
ST	STREET
STA	STATION
ST LT	STREET LIGHT
ST LT PB	STREET LIGHT PULLBOX
T	TELEPHONE
TB	TOP OF BERM
TEL CAB	TELEPHONE CABINET
TEMP	TEMPORARY
TS	TRAFFIC SIGNAL
TS PB	TRAFFIC SIGNAL PULLBOX
TYP	TYPICAL
V	VELOCITY
VC	VERTICAL CURVE
VERT	VERTICAL
W	WIDTH
W	WIDTH/WATER
WV	WATER VALVE
WW	WINGWALL

CONSTRUCTION RECORD			REFERENCES		Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE	Office	Designed By		Drawn By		Checked By		Submitted		Approved		CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS		Drawing No.
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Inspector										Vertical	Traffic																		
Date Completed																													

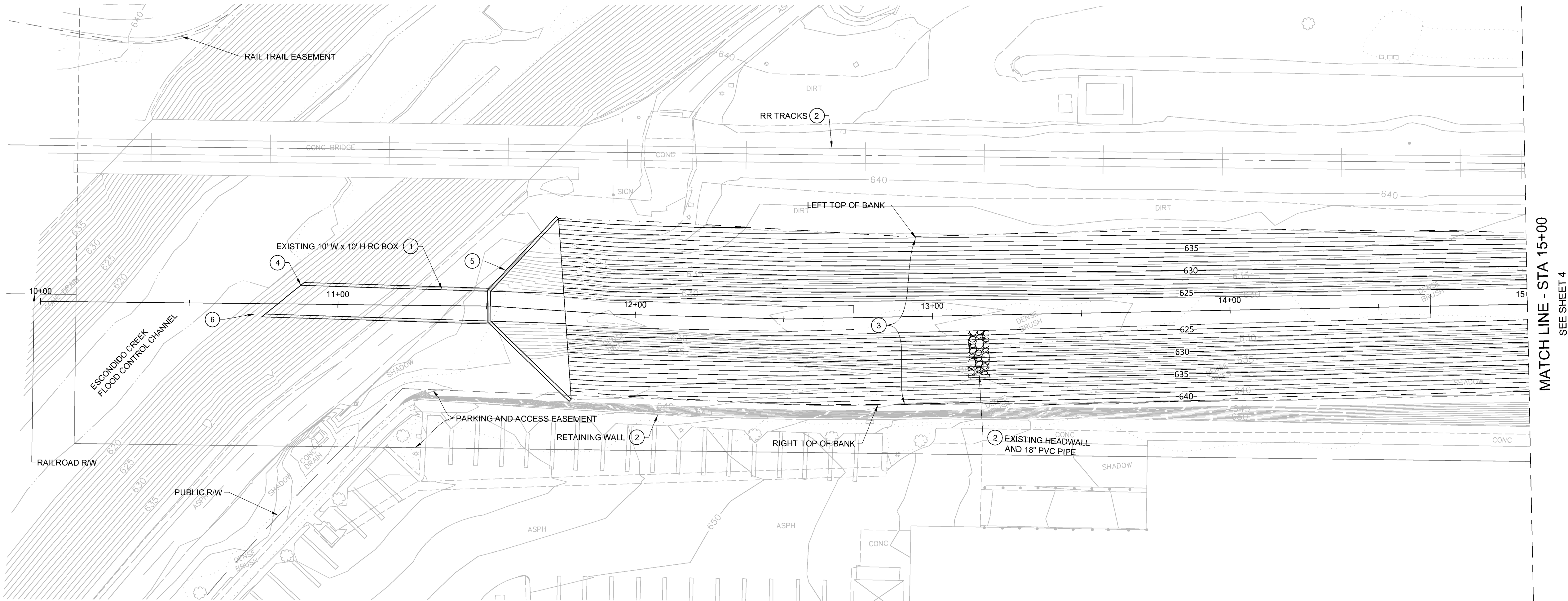






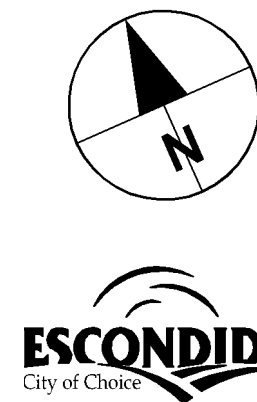
CONSTRUCTION NOTES

- ① REMOVE
- ② PROTECT IN PLACE
- ③ CONSTRUCT CHANNEL GRADING
- ④ CONSTRUCT 10' H X 10' W RC BOX
- ⑤ CONSTRUCT HEADWALL WITH WINGWALL AND CONCRETE APRON
- ⑥ RECONSTRUCT THE LOWER CHANNEL WALL AT 3:1 SLOPE FOR MAINTENANCE ACCESS



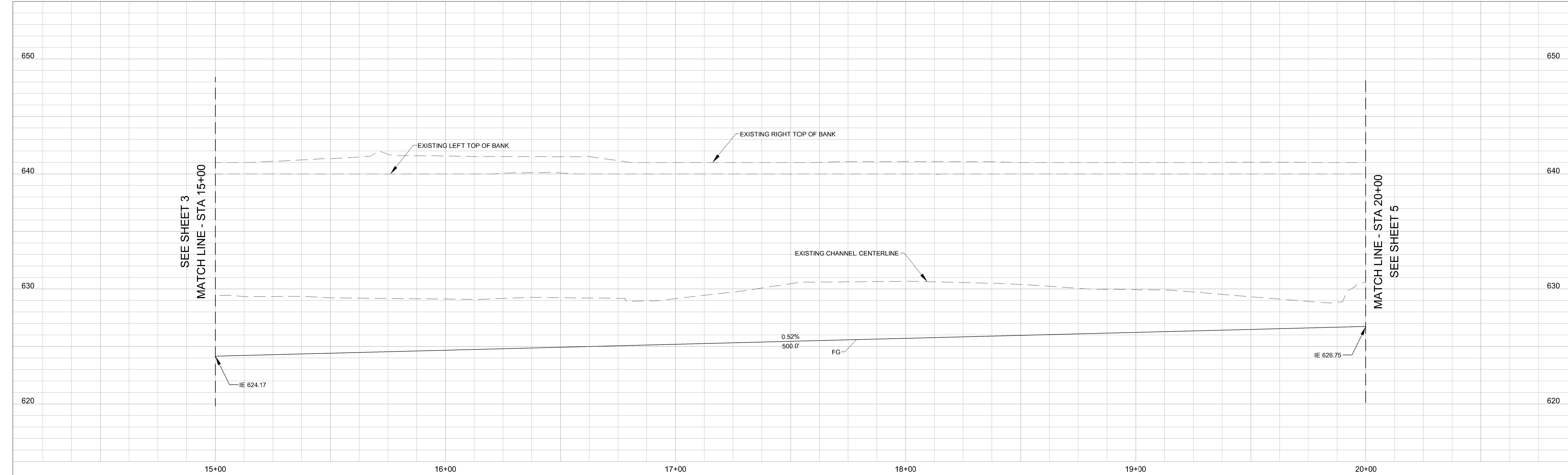
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Date Completed																						68877											



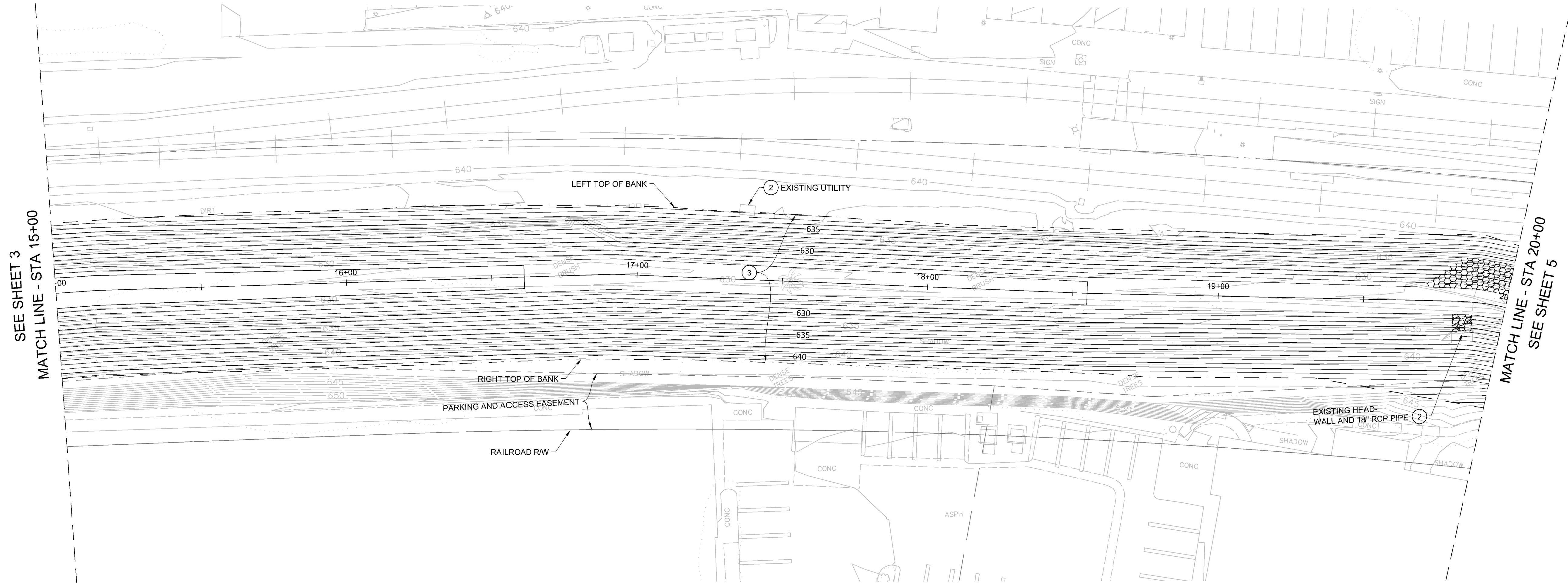
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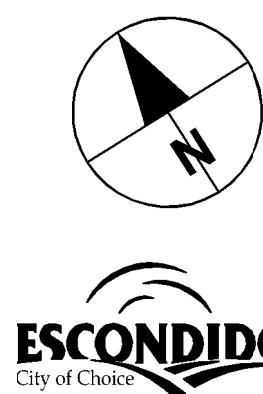
CONSTRUCTION NOTES

- ① REMOVE
- ② PROTECT IN PLACE
- ③ CONSTRUCT CHANNEL GRADING

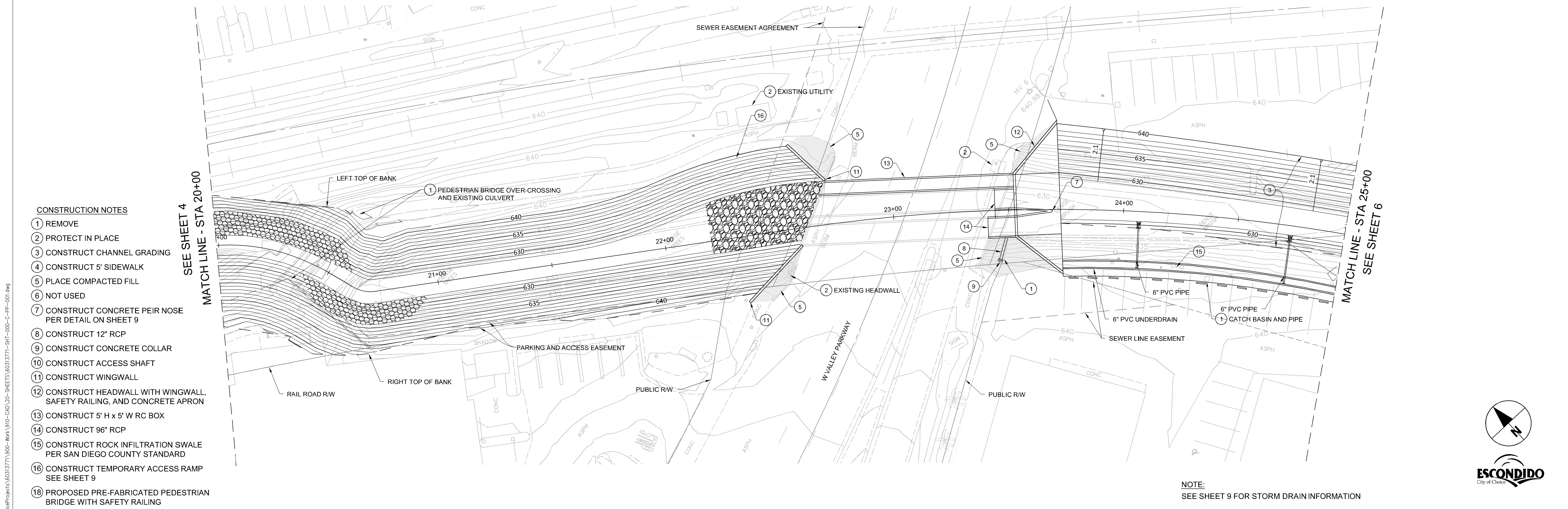
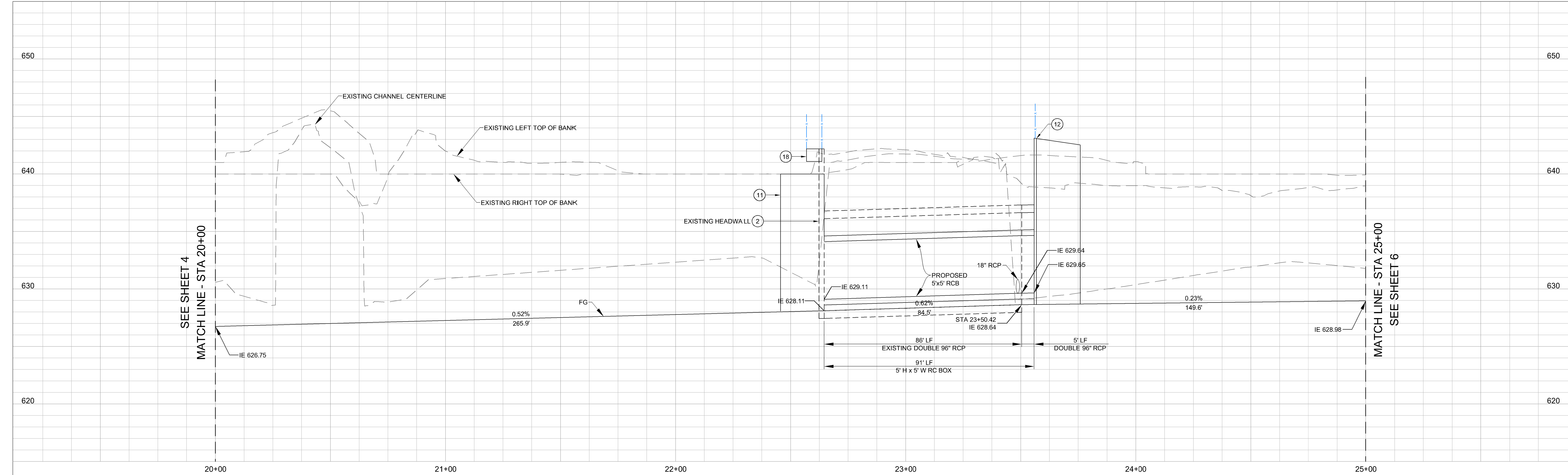


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Date Completed											ELEV. DATUM: .		1"=20'						R.C.E. No. 68877													







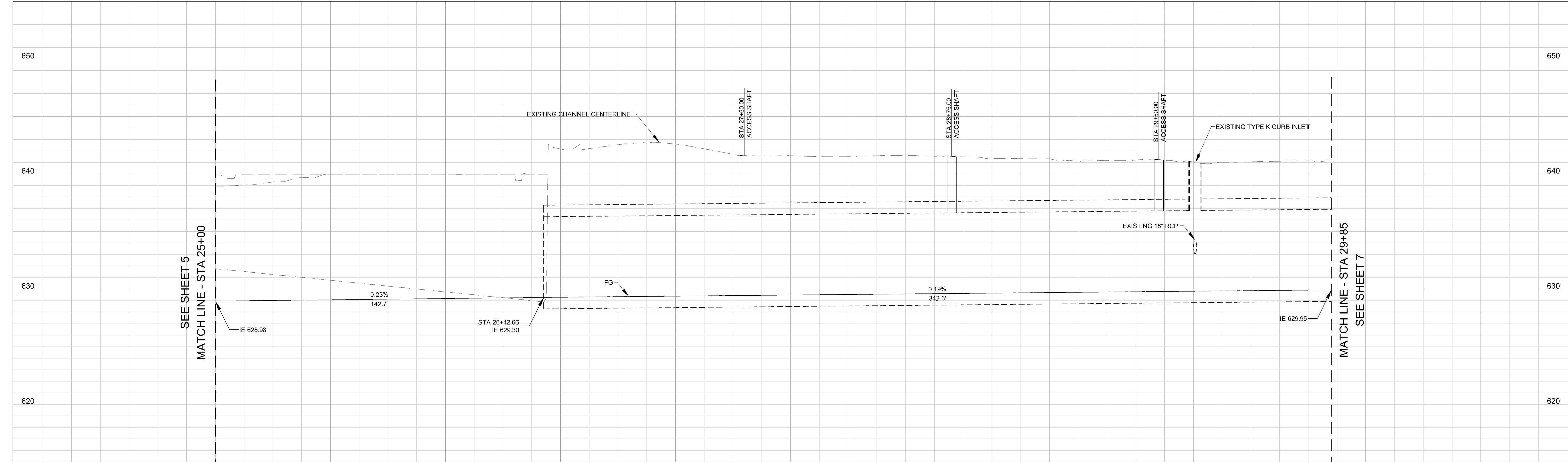
CONSTRUCTION NOTES

- 1 REMOVE
- 2 PROTECT IN PLACE
- 3 CONSTRUCT CHANNEL GRADING
- 4 CONSTRUCT 5' SIDEWALK
- 5 PLACE COMPACTED FILL
- 6 NOT USED
- 7 CONSTRUCT CONCRETE PEIR NOSE PER DETAIL ON SHEET 9
- 8 CONSTRUCT 12" RCP
- 9 CONSTRUCT CONCRETE COLLAR
- 10 CONSTRUCT ACCESS SHAFT
- 11 CONSTRUCT WINGWALL
- 12 CONSTRUCT HEADWALL WITH WINGWALL, SAFETY RAILING, AND CONCRETE APRON
- 13 CONSTRUCT 5' H x 5' W RC BOX
- 14 CONSTRUCT 96" RCP
- 15 CONSTRUCT ROCK INFILTRATION SWALE PER SAN DIEGO COUNTY STANDARD
- 16 CONSTRUCT TEMPORARY ACCESS RAMP SEE SHEET 9
- 18 PROPOSED PRE-FABRICATED PEDESTRIAN BRIDGE WITH SAFETY RAILING

NOTE:  
SEE SHEET 9 FOR STORM DRAIN INFORMATION

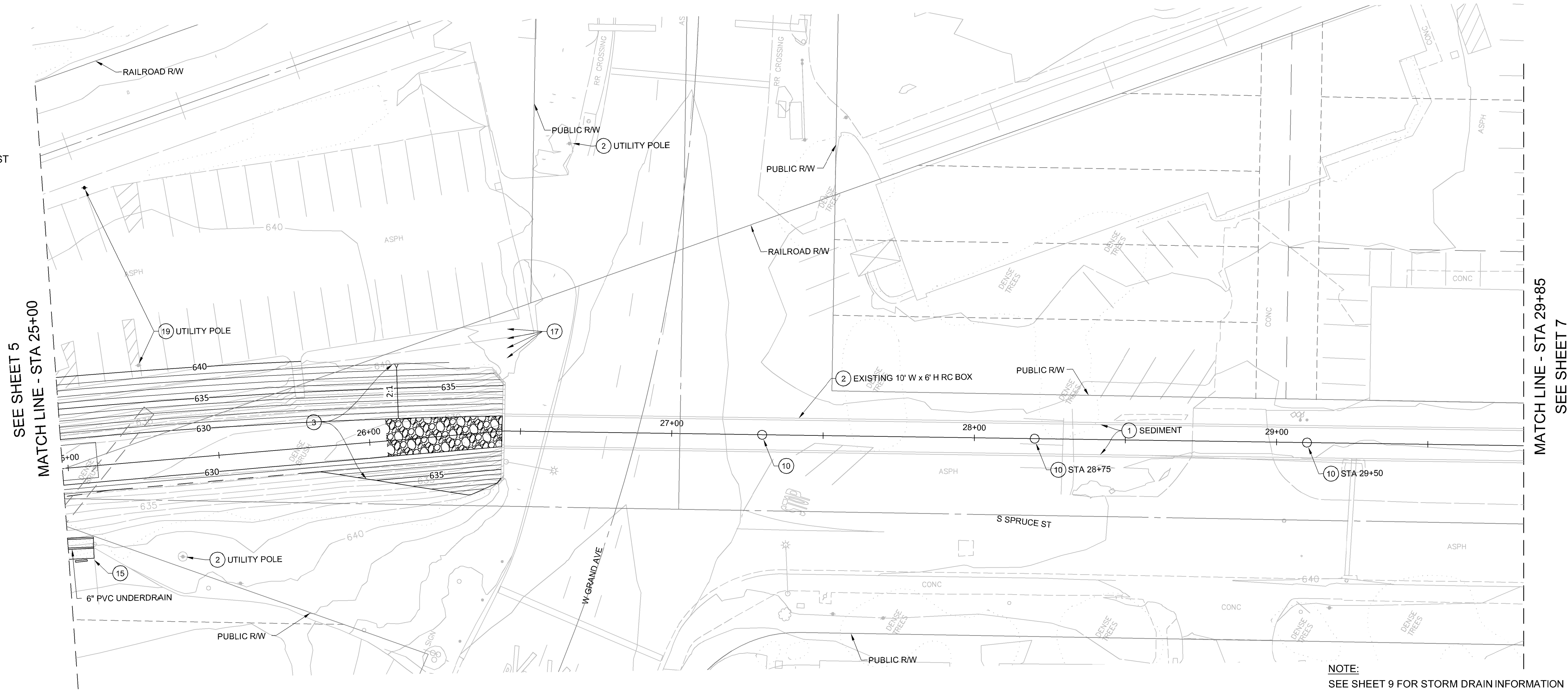
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Date Completed												ELEV. DATUM: .					R.C.E. No. 68877	Assistant City Engineer of Public Works	Director of Public Works	PLAN AND PROFILE STA 20+00 TO STA 25+00		Sheet 5 of 19	





CONSTRUCTION NOTES

- 1 REMOVE
- 2 PROTECT IN PLACE
- 3 CONSTRUCT CHANNEL GRADING
- 10 CONSTRUCT ACCESS SHAFT
- 17 CONSTRUCT DEMOUNTABLE POST PER SDRSD M-16
- 19 RELOCATE



NOTE:  
SEE SHEET 9 FOR STORM DRAIN INFORMATION

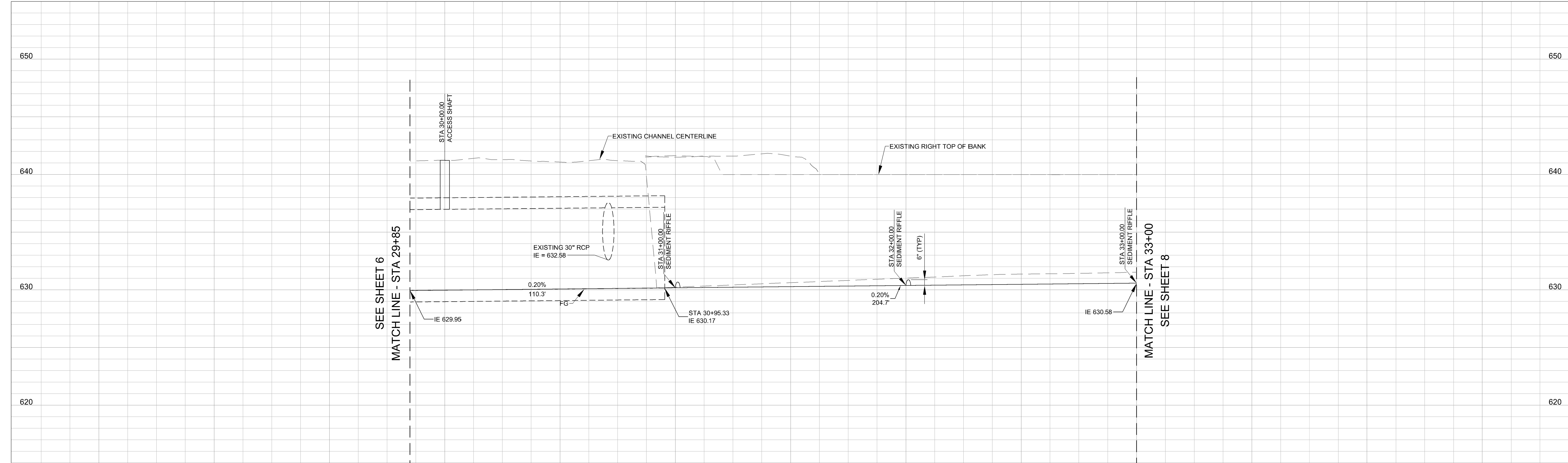
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Inspector													Vertical 1"=4'	Traffic	Keri Gannon		Date 03/26/2015	By	By	SPRUCE STREET CHANNEL IMPROVEMENT PROJECT			
Date Completed																	R.C.E. No. 68877	Assistant City Engineer of Public Works	Director of Public Works	PLAN AND PROFILE STA 25+00 TO STA 29+85			Sheet 6 of 19



30% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

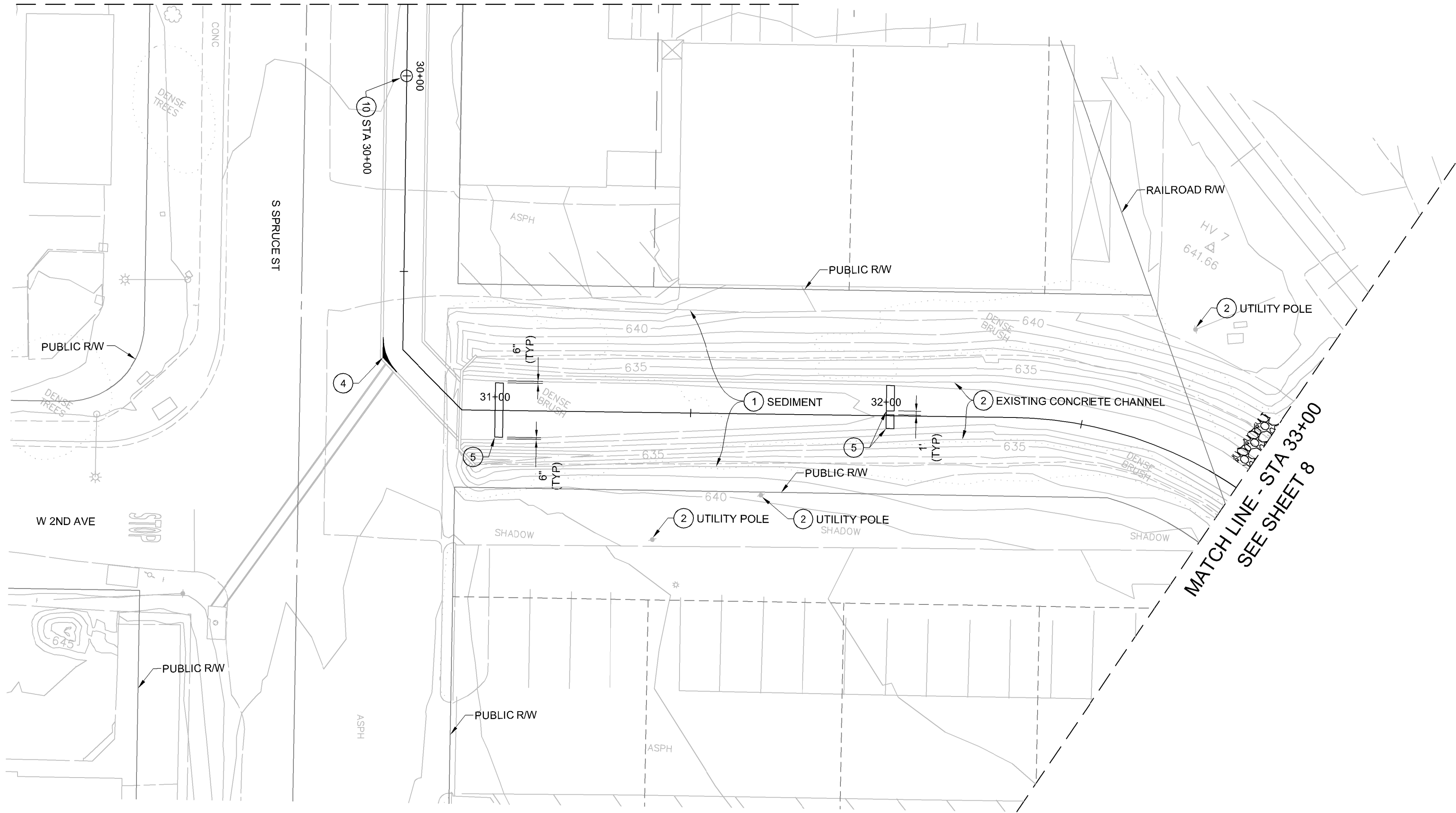




SEE SHEET 6  
MATCH LINE - STA 29+85

CONSTRUCTION NOTES

- 1 REMOVE
- 2 PROTECT IN PLACE
- 3 CONSTRUCT CHANNEL GRADING
- 4 CONSTRUCT CONCRETE FILLET
- 5 CONSTRUCT 24" WIDE x 6" HIGH SEDIMENT RIFFLES
- 10 CONSTRUCT ACCESS SHAFT



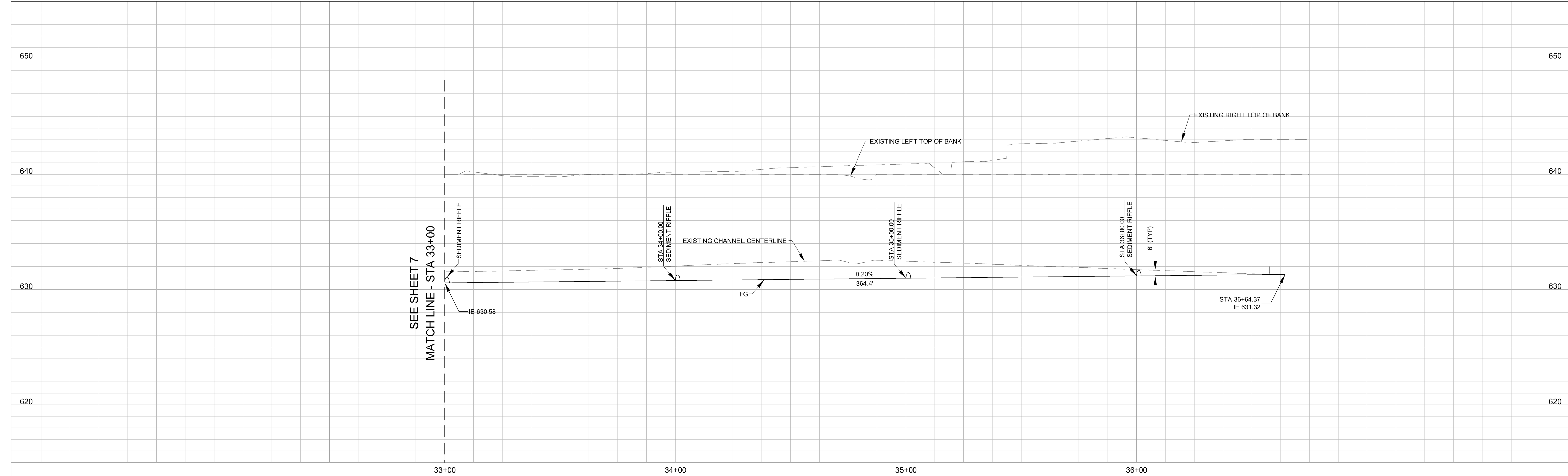
MATCH LINE - STA 33+00  
SEE SHEET 8



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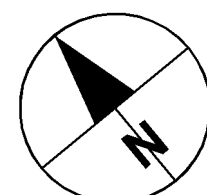
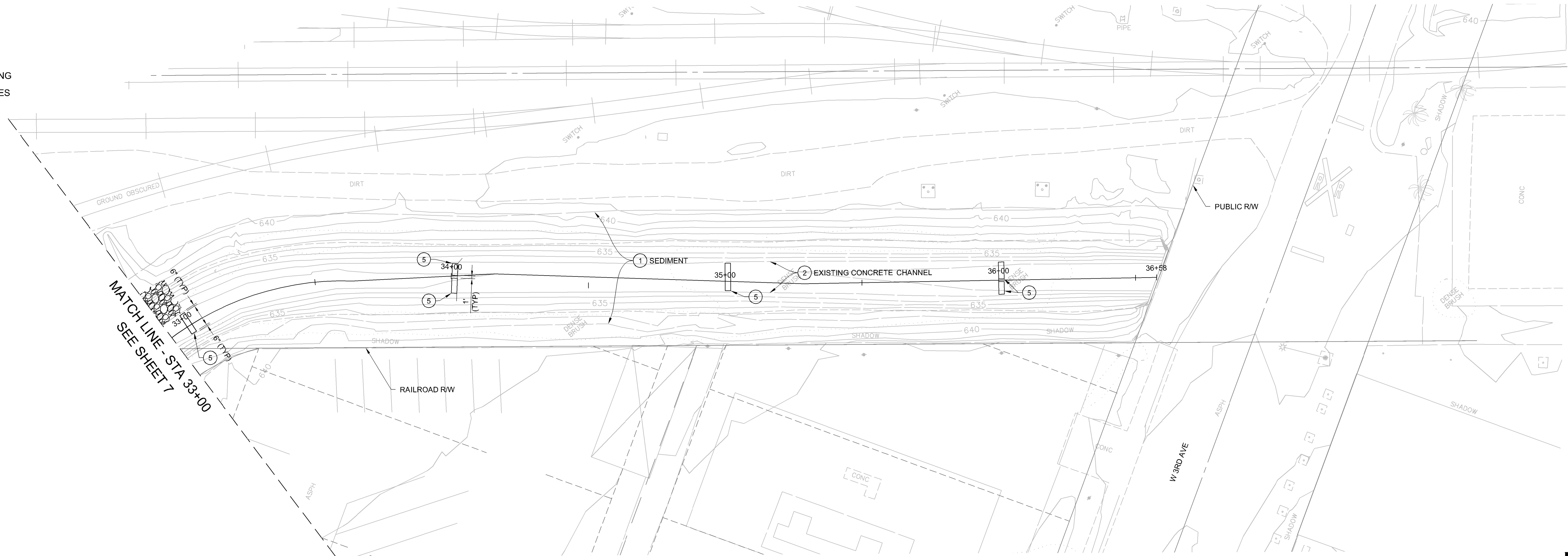
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Inspector													1"=20'		Keri Gannon		Date	03/26/2015	By		By						
Date Completed													Vertical	Traffic			R.C.E. No.	68877	Assistant City Engineer of Public Works		Director of Public Works						
ELEV. DATUM: .																							Improvement Plans for:		SPRUCE STREET CHANNEL IMPROVEMENT PROJECT		
																									PLAN AND PROFILE STA 29+85 TO STA 33+00		Sheet 7 of 19





CONSTRUCTION NOTES

- 1 REMOVE
- 2 PROTECT IN PLACE
- 3 CONSTRUCT CHANNEL GRADING
- 5 CONSTRUCT SEDIMENT RIFFLES



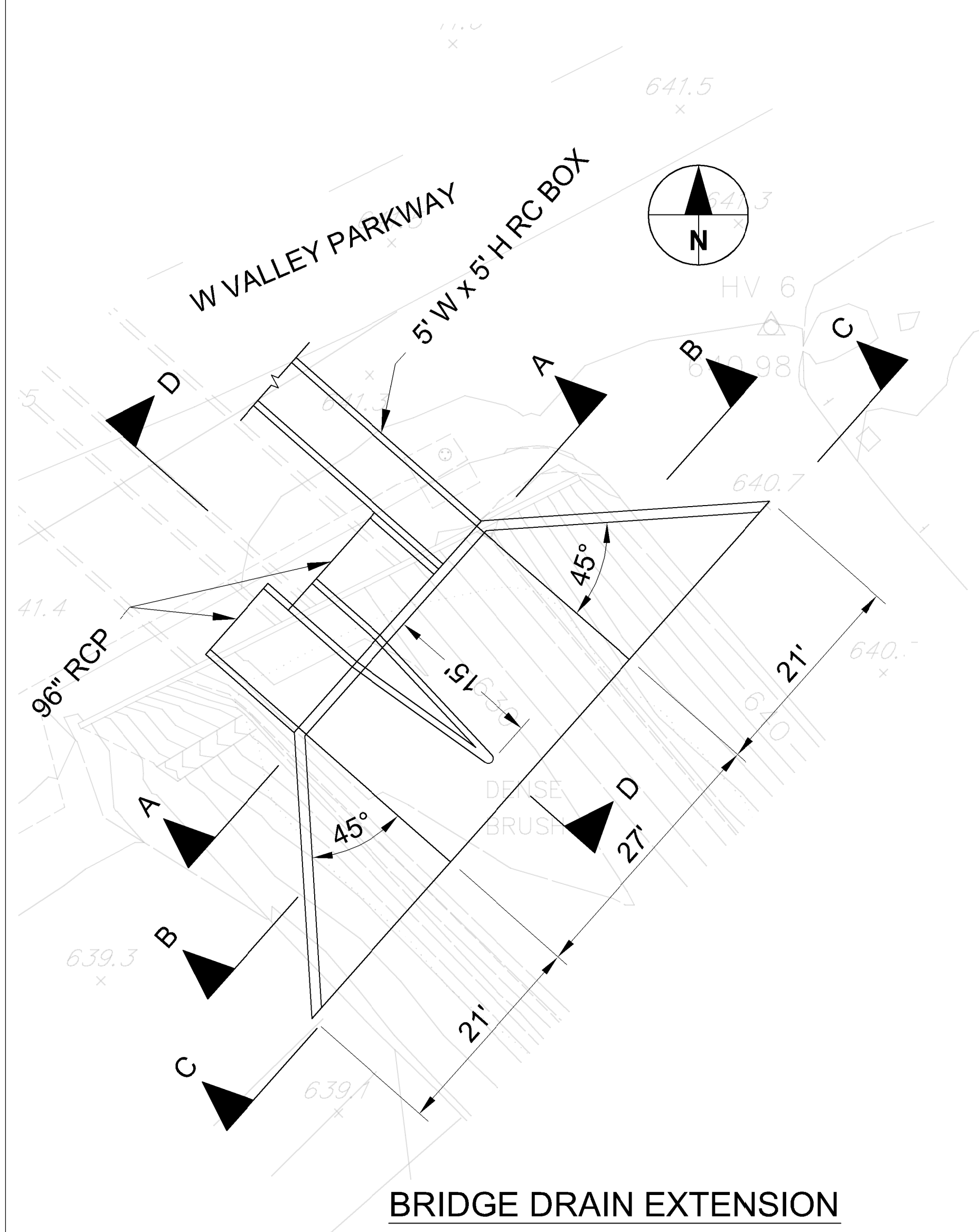
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CONSTRUCTION RECORD			REFERENCES		Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE		Office	Designed By		Drawn By		Checked By		Submitted		Approved		CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS		Drawing No.	
Contractor											ELEV. DATUM: .		Horizontal		Filmed		Plans Prepared Under Supervision Of Keri Gannon		Date 03/26/2015 R.C.E. No. 68877		By Assistant City Engineer of Public Works		By Director of Public Works		Improvement Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b> PLAN AND PROFILE STA 33+00 TO STA 36+65		Sheet 8 of 19				
Inspector										Vertical			Traffic																		
Date Completed																															

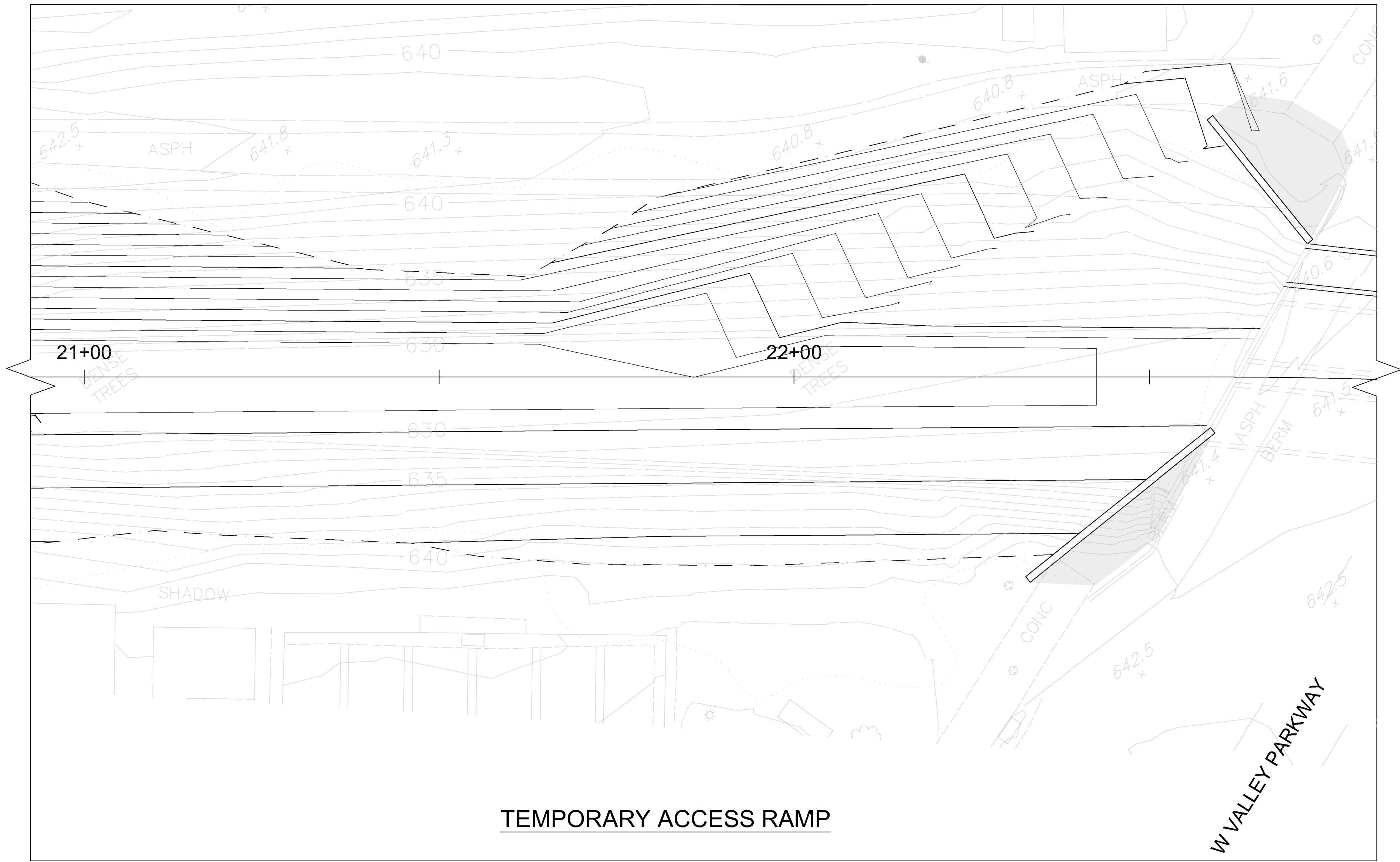
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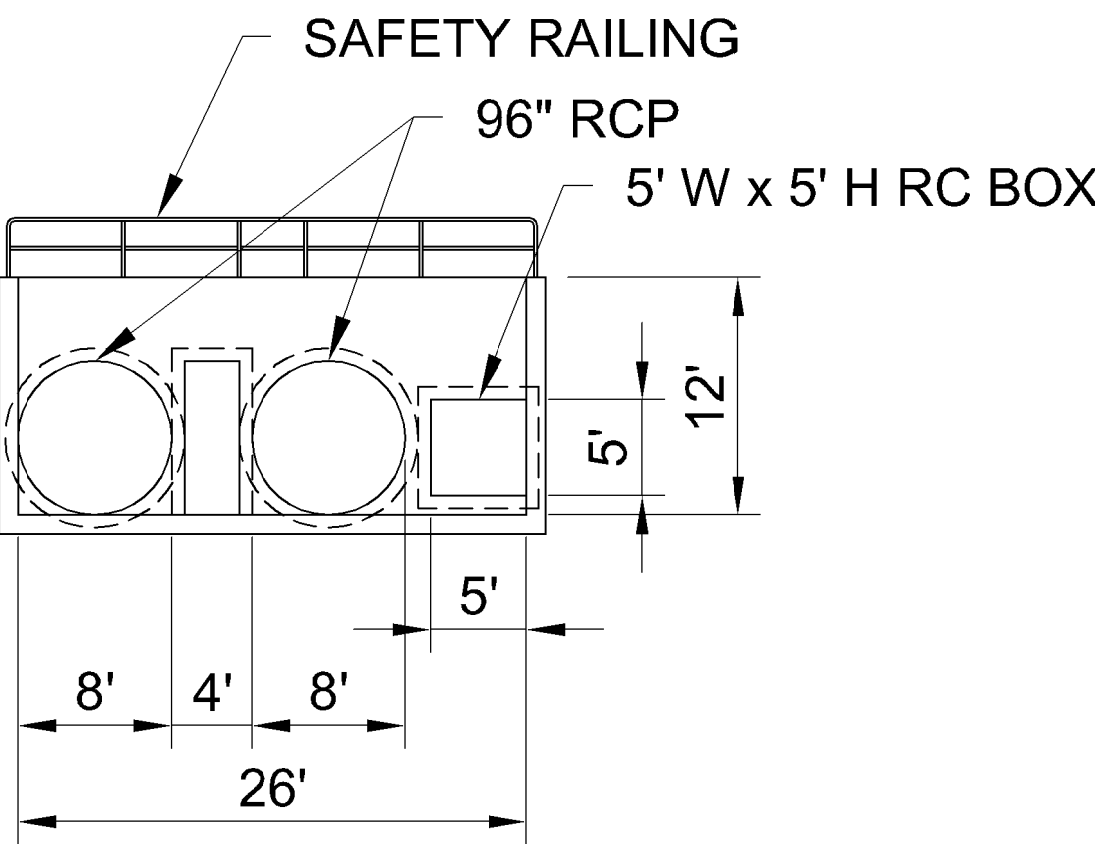
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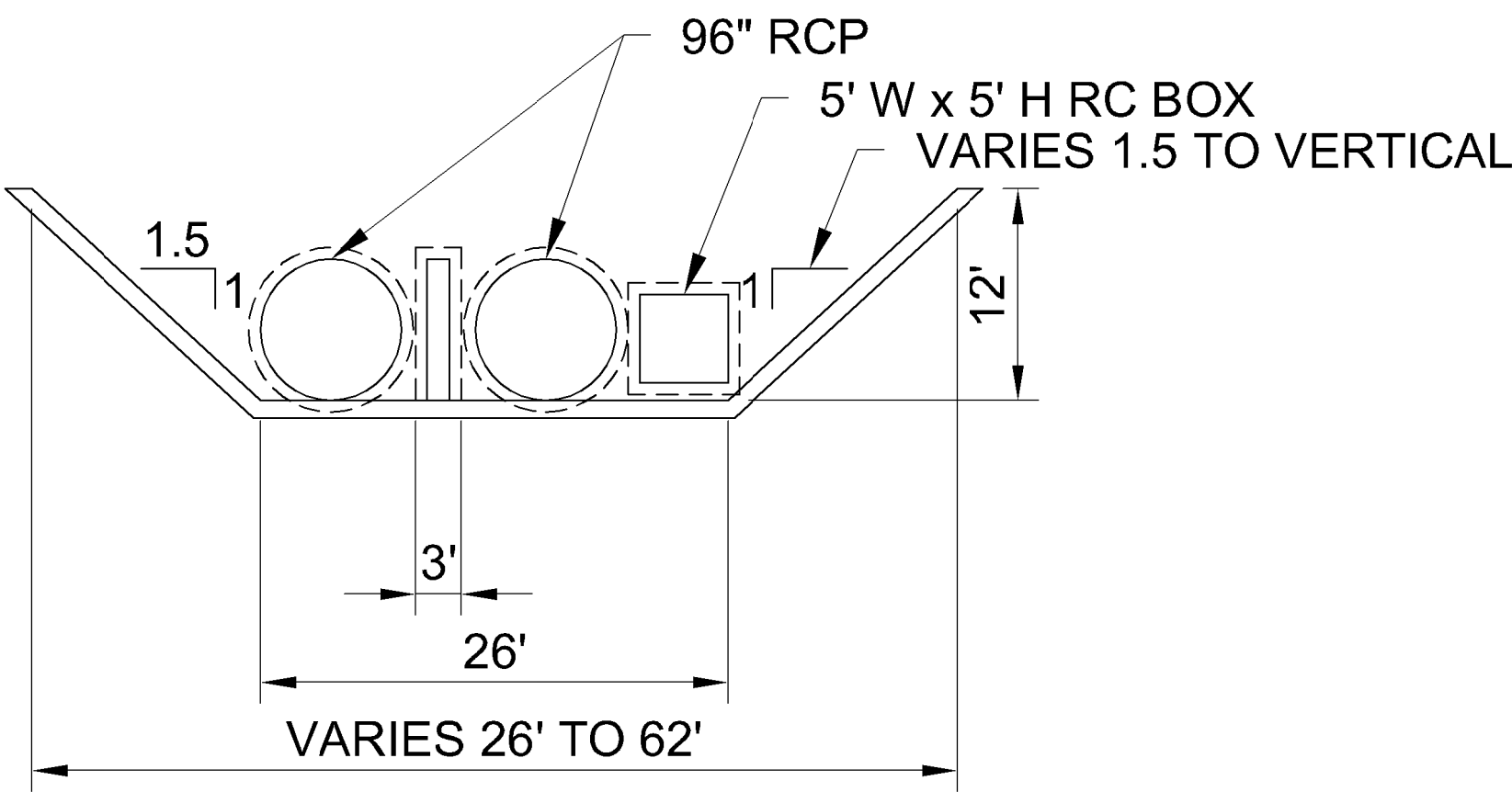
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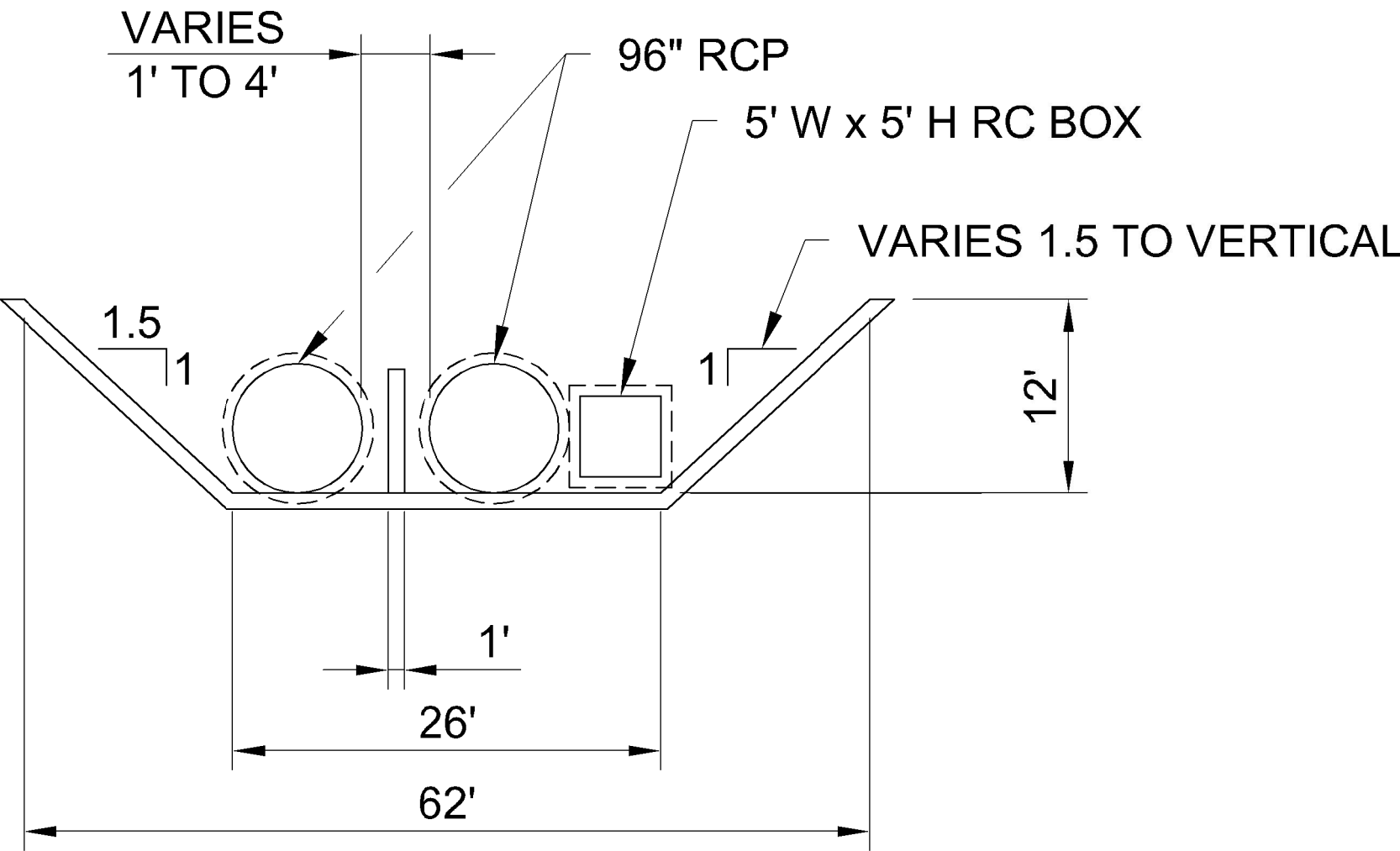
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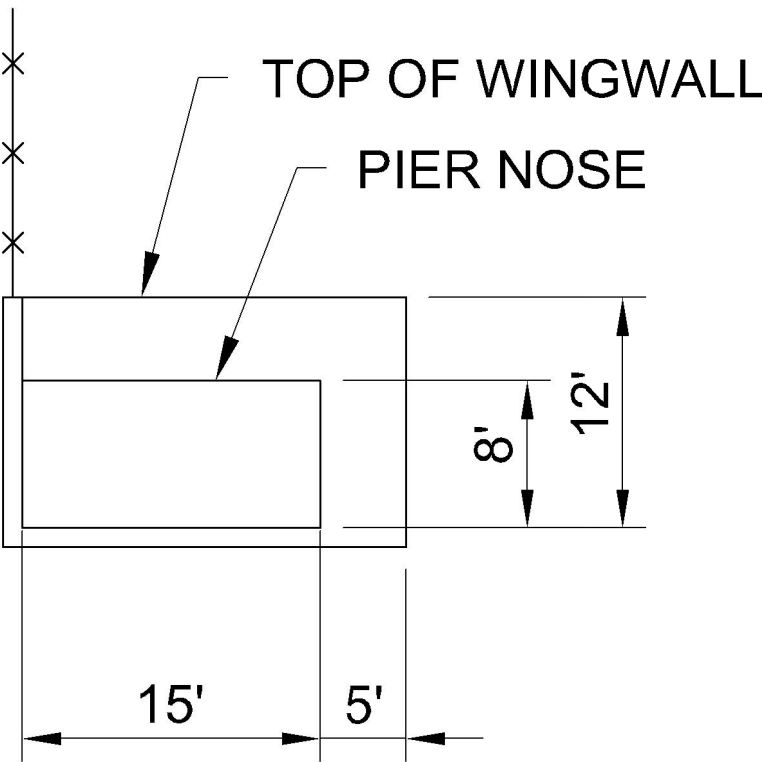
A - A



B - B



C - C



D - D



CONSTRUCTION RECORD			REFERENCES		Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS	Drawing No.
Contractor													Horizontal	Filmed	Plans Prepared Under Supervision Of						Improvement Plans for:		
Inspector													Vertical	Traffic	Keri Gannon		Date 03/26/2015		By	By	SPRUCE STREET CHANNEL IMPROVEMENT PROJECT		
Date Completed												ELEV. DATUM: .					R.C.E. No. 68877	Assistant City Engineer of Public Works	Director of Public Works	DETAILS		Sheet 9 of 19	



R. OF S. MAP NO.

SHEET 1 OF 2 SHEET

DEED LEGEND

- DD1 INSTRUMENT REC. 10/19/1974 AS DOC. NO. 74-263944 O.R. (GRANT DEED)
- DD2 INSTRUMENT REC. 10/8/1951 IN BK. 4257 PG. 228 O.R. (GRANT DEED)
- DD3 INSTRUMENT REC. 9/26/1974 AS DOC. NO. 74-260181 O.R. (GRANT DEED)
- DD4 INSTRUMENT REC. 9/26/1974 AS DOC. NO. 74-260182 O.R. (EASEMENT)
- DD5 INSTRUMENT REC. 11/25/1974 AS DOC. NO. 74-309121 O.R. (GRANT DEED)
- DD11 INSTRUMENT REC. 3/7/1889 IN BK. 146 PG. 196 OF DEEDS (GRANT DEED) (NOTE: A.T.&S.F. RY. SUCCESSOR IN INTEREST TO CALIFORNIA CENTRAL RY.)
- DD12 INSTRUMENT REC. 2/8/1990 AS DOC. NO. 90-070790 O.R. (GRANT DEED)

REFERENCE DOCUMENT LEGEND

- R1 [N59°06'03"E ROS 8725 & PM 11961]
- R2 [N59°06'17"E ROS 8725 & PM 11961]

NOTES

1. E.C. STATION 23+57.59 AS SHOWN ON SHEET 6 OF 20 SHEETS IN CITY OF ESCONDIDO DWG. NO. P-1106
2. DD2 DOESN'T STATE A NON-TANGENT CURVE, BUT IT'S USE IS REASONABLE IN ORDER TO LAND ON THE N'LY LINE OF BLOCK 90 OUTSIDE OF THE RAILROAD R/W AS DESCRIBED IN SAID DEED.
3. B.C. STATION 184+51.18 AS SHOWN ON SHEET 5 OF 20 SHEETS IN CITY OF ESCONDIDO DWG. NO. P-1106
4. E.C. STATION 154+46.41 AS SHOWN ON SHEET 5 OF 20 SHEETS IN CITY OF ESCONDIDO DWG. NO. P-1106
5. THIS PORTION OF THE 2ND AVE C/L WAS LOCATED BASED ON HOLDING THE B.C AND E.C. TIES OF CURVE C1 AS SHOWN HEREON, HOLDING RECORD RADIUS (SCALED) PER DWG P-1106, AND PRODUCING A TANGENT LINE TO THE EAST. SAID C/L IS IN CLOSE AGREEMENT WITH TIES T14 AND T15, AS WELL AS MONUMENT 6.
6. A PORTION OF THE NE'LY LINE OF CRESCENT RD, BASED ON USING RECORD DATA FROM THE C/L INTERSECTION OF SPRUCE ST & GRAND AVE AS SHOWN ON ROS 3990.
7. B.C. STATION 9+29.49 AS SHOWN ON SHEET 2 OF 5 SHEETS IN CITY OF ESCONDIDO DWG. NO. P-1056.

CURVE DATA

NO.	Δ	RADIUS	LENGTH
C1	45°20'12"	639.96'	506.38'
[Δ=45°20'06" R=640' L=506.41' DWG P-1106]			
C2	13°08'44"	597.96'	137.19'
C3	15°46'34"	424.97'	117.01'
C4	4°38'43"	1041.94'	84.47'
C5	10°01'14"	999.94'	174.88'
[R=1000' DWG P-1056]			

TIE DATA

NO.	DIST.	REC. DIST.	CETS #
T1	38.67'	38.69'	1469
T2	53.64'	53.67'	1469
T3	44.59'	44.61'	1469
T4	72.24'	72.24'	205-A
T5	52.78'	52.78'	205-A
T6	55.47'	55.49'	205-A
T7	60.30'	60.32'	205-A
T8	34.34'	34.34'	1245
T9	35.16'	35.16'	1245
T10	48.52'	48.52'	1245
T11	57.39'	57.39'	1187
T12	51.42'	51.42'	1187
T13	64.49'	64.50'	1187
T14	40.13'	40.14'	1184
T15	31.95'	32.00'	1184
T16	50.97'	50.97'	1257
T17	83.28'	83.28'	1257
T18	58.56'	58.56'	1257

THE PURPOSE OF THIS SURVEY IS TO LOCATE PROPERTY AND RIGHT-OF-WAY LINES IN THE VICINITY OF THE DRAINAGE CHANNEL THAT RUNS FROM W. 3RD AVENUE TO THE ESCONDIDO CREEK FLOOD CONTROL CHANNEL

MONUMENTATION LEGEND

- 1 FOUND "I" RAIL WITH "X" ON TOP PER ROS 21276 & ROS 14739. ACCEPTED AS RAILROAD R/W, HELD 0.10' NORTH OF 3RD AVE R/W PER SAID ROS 21276.
- 2 FOUND SPIKE & WASHER STAMPED "LS 7019" PER ROS 21276. ACCEPTED AS 3RD AVE R/W, 1.03' W'LY OF RAILROAD R/W (0.99' PER SAID ROS).
- 3 FOUND 1/2" PIN INSIDE 2" IRON PIPE INSIDE WELL MON PER ROS 21276, CR 7968 & CETS #1469.
- 4 FOUND 2" IRON PIPE WITH DISC "LS 7619" PER MAP 15419. NOT ACCEPTED BY BEARING & DISTANCE NOTED.
- 5 FOUND 3/4" IRON PIPE WITH CAP & TACK (ILLEGIBLE) PER CR 30473 ACCEPTED AS INTERSECTION OR RAILROAD R/W & GRANT AVE R/W.
- 6 FOUND 2" IRON PIPE WITH DISC "RCE 29914" PER PM 11961, 0.04' N'LY OF R/W.
- 7 FOUND "I" RAIL WITH "X" ON TOP PER ROS 21276 & ROS 14739. ACCEPTED AS RAILROAD R/W, 0.21' N'LY OF 2ND AVE R/W.
- 8 FOUND LEAD & DISC "RCE 29914" IN CONCRETE PER CR 30473 & ROS 17871. HELD FOR W. VALLEY PKWY R/W.
- 9 FOUND 3/4" IRON PIPE WITH DISC "SDCO ENGR" PER CR 19693, 0.04' N'LY OF W. VALLEY PKWY R/W.
- 10 FOUND 3/4" IRON PIPE WITH DISC "CITY ESC" PER CR 30473. ACCEPTED AS W. VALLEY PKWY R/W, N59°37'50"W 0.21' OF INT. WITH RAILROAD R/W
- 11 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS INTERSECTION OF RAILROAD R/W & W. VALLEY PKWY R/W.
- 12 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS INTERSECTION OF RAILROAD R/W & PAR. 4 PER DD 10.
- 13 FOUND LEAD & DISC "LS 4539" PER ROS 17871. ACCEPTED AS N20°20'56"W 0.05' OF W. VALLEY PKWY R/W ANGLE POINT (SEE DETAIL 'A', SHEET 2).



JOB: NO.138014; FILE: 138014 ROS1.DWG (100)

**AGUIRRE & ASSOCIATES**  
8265 COMMERCIAL ST., SUITE 1, LA MESA, CA 91942  
PH: (619)464-0878 FAX: (619)464-7203

SURVEYING · MAPPING · RIGHT-OF-WAY ENGINEERING



SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT AT THE REQUEST OF THE CITY OF ESCONDIDO IN FEBRUARY, 2014.

MICHAEL A. HAVENER PLS 7354

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYOR'S ACT THIS \_\_\_\_ DAY OF \_\_\_\_ 2015.

TERRENCE T. CONNORS, PLS 5099  
COUNTY SURVEYOR

RECORDER'S STATEMENT

FILE NO. \_\_\_\_\_

FILED THIS \_\_\_\_ DAY OF \_\_\_\_ 2014 AT \_\_\_\_  
IN THE BOOK OF RECORD OF SURVEY  
MAPS AT PAGE \_\_\_\_\_, AT THE REQUEST OF  
MICHAEL A. HAVENER

ERNEST J. DRONENBURG, JR.,  
COUNTY RECORDER

BY: \_\_\_\_\_  
DEPUTY COUNTY RECORDER

FEE: \$12.00

CALIFORNIA COORDINATE INDEX: 346-1737

APN: 233-100-18, 232-090-62, 232-110-17



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CONSTRUCTION RECORD			REFERENCES		Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS	Drawing No.
Contractor													Horizontal	Filmed	Plans Prepared Under Supervision Of						Improvment Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b>		Sheet 10 of 19
Inspector													Vertical	Traffic	Keri Gannon								
Date Completed												ELEV.	DATUM: .			Date 03/26/2015	R.C.E. No. 68877	Assistant City Engineer of Public Works	Director of Public Works				



R. OF S. MAP NO.

SHEET 2 OF 2 SHEET

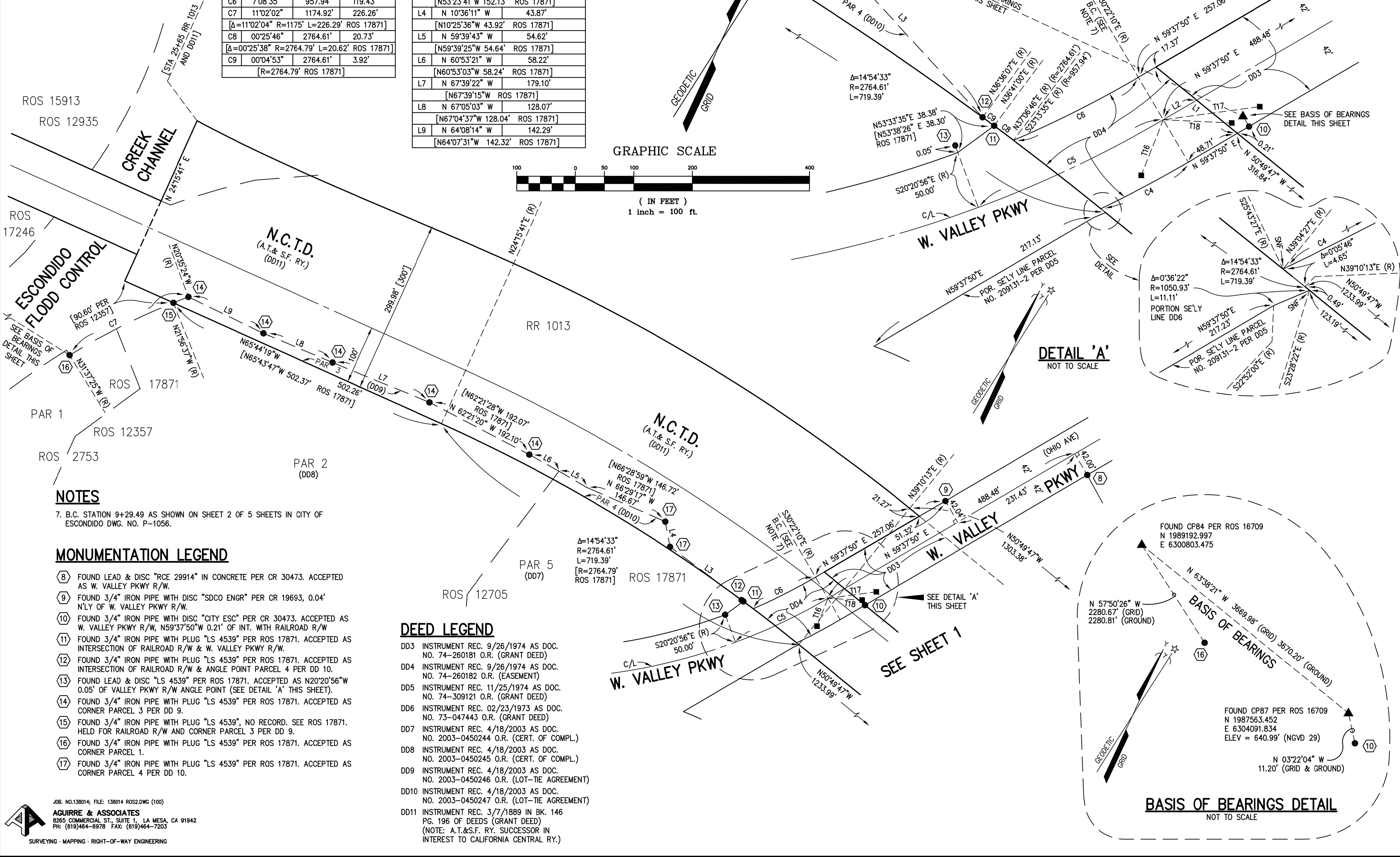
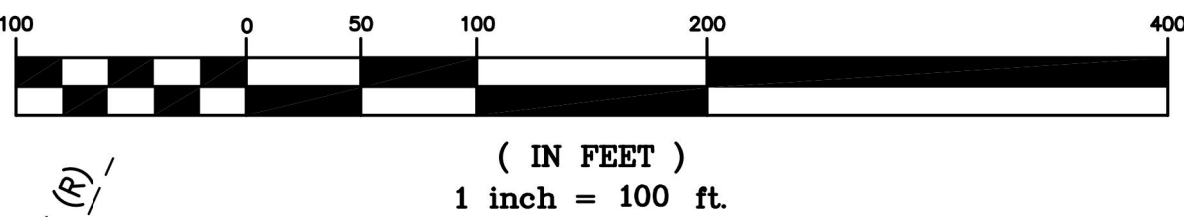
TIE DATA			
NO.	DIST	REC DIST	CETS #
T16	50.97'	50.97'	1257
T17	83.28'	83.28'	1257
T18	58.56'	58.56'	1257

CURVE DATA			
NO.	Δ	RADIUS	LENGTH
C4	4°38'43"	1041.94'	84.47'
C5	10°01'14"	999.94'	174.88'
[R=1000' DWG P-1056]			
C6	7°08'35"	957.94'	119.43'
C7	11°02'02"	1174.92'	226.26'
[Δ=11°02'04" R=1175' L=226.29' ROS 17871]			
C8	00°25'46"	2764.61'	20.73'
[Δ=00°25'38" R=2764.79' L=20.62' ROS 17871]			
C9	00°04'53"	2764.61'	3.92'
[R=2764.79' ROS 17871]			

LINE DATA		
NO.	BEARING	DISTANCE
L1	N 50°49'47" W	89.66'
L2	N 59°37'50" E	33.04'
L3	N 53°21'56" W	152.12'
[N53°23'41"W 152.13' ROS 17871]		
L4	N 10°36'11" W	43.87'
[N10°25'36"W 43.92' ROS 17871]		
L5	N 59°39'43" W	54.62'
[N59°39'25"W 54.64' ROS 17871]		
L6	N 60°53'21" W	58.22'
[N60°53'03"W 58.24' ROS 17871]		
L7	N 67°39'22" W	179.10'
[N67°39'15"W ROS 17871]		
L8	N 67°05'03" W	128.07'
[N67°04'37"W 128.04' ROS 17871]		
L9	N 64°08'14" W	142.29'
[N64°07'31"W 142.32' ROS 17871]		

AT CP87 PER ROS 16709  
CONVERGENCE ANGLE= -0°27'44.22"  
COMB. SCALE FACTOR= 0.99993583  
NGVD29 ELEV= 640.99'

GRAPHIC SCALE



NOTES

7. B.C. STATION 9+29.49 AS SHOWN ON SHEET 2 OF 5 SHEETS IN CITY OF ESCONDIDO DWG. NO. P-1056.

MONUMENTATION LEGEND

- 8 FOUND LEAD & DISC "RCE 29914" IN CONCRETE PER CR 30473. ACCEPTED AS W. VALLEY PKWY R/W.
- 9 FOUND 3/4" IRON PIPE WITH DISC "SDCO ENGR" PER CR 19693, 0.04' N'LY OF W. VALLEY PKWY R/W.
- 10 FOUND 3/4" IRON PIPE WITH DISC "CITY ESC" PER CR 30473. ACCEPTED AS W. VALLEY PKWY R/W, N59°37'50"W 0.21' OF INT. WITH RAILROAD R/W
- 11 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS INTERSECTION OF RAILROAD R/W & W. VALLEY PKWY R/W.
- 12 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS INTERSECTION OF RAILROAD R/W & ANGLE POINT PARCEL 4 PER DD 10.
- 13 FOUND LEAD & DISC "LS 4539" PER ROS 17871. ACCEPTED AS N20°20'56"W 0.05' OF VALLEY PKWY R/W ANGLE POINT (SEE DETAIL 'A' THIS SHEET).
- 14 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS CORNER PARCEL 3 PER DD 9.
- 15 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539", NO RECORD. SEE ROS 17871. HELD FOR RAILROAD R/W AND CORNER PARCEL 3 PER DD 9.
- 16 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS CORNER PARCEL 1.
- 17 FOUND 3/4" IRON PIPE WITH PLUG "LS 4539" PER ROS 17871. ACCEPTED AS CORNER PARCEL 4 PER DD 10.

DEED LEGEND

- DD3 INSTRUMENT REC. 9/26/1974 AS DOC. NO. 74-260181 O.R. (GRANT DEED)
- DD4 INSTRUMENT REC. 9/26/1974 AS DOC. NO. 74-260182 O.R. (EASEMENT)
- DD5 INSTRUMENT REC. 11/25/1974 AS DOC. NO. 74-309121 O.R. (GRANT DEED)
- DD6 INSTRUMENT REC. 02/23/1973 AS DOC. NO. 73-047443 O.R. (GRANT DEED)
- DD7 INSTRUMENT REC. 4/18/2003 AS DOC. NO. 2003-0450244 O.R. (CERT. OF COMPL.)
- DD8 INSTRUMENT REC. 4/18/2003 AS DOC. NO. 2003-0450245 O.R. (CERT. OF COMPL.)
- DD9 INSTRUMENT REC. 4/18/2003 AS DOC. NO. 2003-0450246 O.R. (LOT-TIE AGREEMENT)
- DD10 INSTRUMENT REC. 4/18/2003 AS DOC. NO. 2003-0450247 O.R. (LOT-TIE AGREEMENT)
- DD11 INSTRUMENT REC. 3/7/1889 IN BK. 146 PG. 196 OF DEEDS (GRANT DEED) (NOTE: A.T.&S.F. RY. SUCCESSOR IN INTEREST TO CALIFORNIA CENTRAL RY.)

JOB: NO.138014; FILE: 138014 ROS2.DWG (100)

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CONSTRUCTION RECORD		REFERENCES		Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS	Drawing No.
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Inspector												Vertical	Traffic	Keri Gannon		Date 03/26/2015	By	By	SPRUCE STREET CHANNEL IMPROVEMENT PROJECT			
Date Completed											ELEV. DATUM: .					R.C.E. No. 68877	Assistant City Engineer of Public Works	Director of Public Works	-----		Sheet 11 of 19	



SITE PREPARATION NOTES:

- HERBICIDE APPLICATION SHALL BE OVERSEEN BY A LICENSED PEST CONTROL ADVISOR AND APPLIED BY CERTIFIED PEST CONTROL APPLICATOR.
- ALTHOUGH NOT REQUIRED, IT IS RECOMMENDED THAT THE RESTORATION CONTRACTOR SALVAGE NATIVE PLANTS AND SEED FROM THE EXISTING RIPARIAN HABITAT THAT WILL BE IMPACTED. GIVEN CURRENT SITE CONDITIONS, SEED COLLECTION MAY BE POSSIBLE THROUGH NOVEMBER.
- THE CONTRACTOR SHALL PROVIDE WATER TO THE RESTORATION SITE SUFFICIENT TO ACHIEVE SUCCESS STANDARDS, AND IN KEEPING WITH THE RECOMMENDED SCHEDULE. PRIOR TO THE START OF ANY WORK ON THE SITE, THE CONTRACTOR SHALL SUBMIT MATERIALS INDICATING HOW WATERING WILL BE ACCOMPLISHED (E.G. WATERING TRUCK, TEMPORARY PRESSURIZED IRRIGATION, ETC.). THE CITY SHALL PROVIDE THE CONTRACTOR WITH POTENTIAL POINT-OF-CONNECTION LOCATIONS, PIPE SIZES, AND WATER PRESSURE.
- CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEMS IN PROPER WORKING ORDER AND SHALL MONITOR THE IRRIGATION PROGRAM TO MAKE ADJUSTMENTS WHEN NEEDED. IRRIGATION SHOULD BE CHECKED ON A BI-WEEKLY BASIS TO ENSURE ALL BROKEN SPRINKLER HEADS AND MAJOR REPAIR ISSUES ARE IDENTIFIED AND ADDRESSED IN A TIMELY MANNER.
- CONTRACTOR SHALL INSTALL AND MAINTAIN APPROPRIATE EROSION CONTROL MATERIALS (E.G. STRAW WATTLES).
- PRIOR TO PLANTING AND SEEDING, ALL WEEDS, TRASH AND DEBRIS SHALL BE REMOVED FROM REVEGETATION AREAS.

SEEDING NOTES:

- PRIOR TO SEEDING, THE RESTORATION ECOLOGIST SHALL CONFIRM THE UPLAND HABITAT SEEDING AREAS.
- SEED SHALL BE SUPPLIED BY A LICENSED NATIVE SEED COMPANY.
- SEED SHALL BE DELIVERED TO THE SITE IN UNOPENED SEPARATE CONTAINERS WITH THE SEED TAG ATTACHED. THE SEED TAG SHALL LIST THE SPECIES, COLLECTION LOCATION, QUANTITY, AND PURITY AND GERMINATION PERCENTAGES. CONTAINERS WITHOUT A SEED TAG WILL NOT BE ACCEPTED.
- SEEDING SHALL BE COMPLETED BY EITHER HYDROSEED METHODS, HAND SEED METHODS, OR A COMBINATION OF HYDROSEED AND HAND SEEDING.

HYDROSEED NOTES:

- SEED SHALL BE APPLIED AT SPECIFIED RATES PER ACRE AND MIXED IN A SLURRY WITH TACKIFIER.
- TACKIFIER SHALL BE ORGANIC AND BIODEGRADABLE AND SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.
- THE SLURRY THAT IS APPLIED SHOULD BE GIVEN 72 HOURS TO DRY IN PLACE. IF THE APPLICATION IS DISTURBED PRIOR TO 72 HOURS, THE SLURRY (INCLUDING ADDITIONAL SEED) WILL BE REAPPLIED.

HAND-APPLICATION NOTES:

- THE SOIL SURFACE SHALL BE ROUGHED UP USING HAND RAKES OR ANOTHER LIGHT DISTURBANCE METHOD.
- SEED SHALL BE MIXED AND THEN EVENLY APPLIED BY HAND.
- SEED SHALL BE INCORPORATED INTO THE SOIL TO A DEPTH OF ¼ INCH BY RAKING.

MAINTENANCE PROGRAM:

- THE MAINTENANCE PERIOD BEGINS AFTER THE COMPLETION OF INSTALLATION AND CONTINUES FOR A TOTAL OF 5 YEARS TO ENSURE THAT NATIVE PLANT COVER IS ACHIEVED AND AGGRESSIVE NONNATIVE SPECIES DO NOT OUTCOMPETE THE NATIVE SPECIES.
- 
- 
- CONTRACTOR SHALL MONITOR THE RAINFALL PATTERNS AND DETERMINE IF THE IRRIGATION FREQUENCY NEEDS TO BE INCREASED OR REDUCED.
- THE RESTORATION CONTRACTOR IS RESPONSIBLE FOR PLANT CARE (WATERING IF NEEDED), WEED CONTROL, DEBRIS AND TRASH REMOVAL, AND EROSION CONTROL TO MEET THE SUCCESS CRITERIA.
- IF AN AUTOMATIC IRRIGATION SYSTEM IS NOT INSTALLED, THE RESTORATION CONTRACTOR HAS THE OPTION OF WATERING BY HAND OR WATER TRUCK.
- WEEDS WITHIN THE SEDIMENT BASIN AND SEEDED AREAS SHALL BE CONTROLLED BY HAND PULLING, HERBICIDE APPLICATION, OR A COMBINATION OF BOTH. ONLY HERBICIDES APPROVED FOR USE IN WETLAND AREAS SHALL BE USED ON THE PROJECT. WEEDS WILL BE CONTROLLED BEFORE THEY SET SEED OR BECOME BIGGER THAN 6 INCHES IN HEIGHT.
- ANY WEED DEBRIS WILL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROPRIATE FACILITY.
- ALL WEED SPECIES ON THE CAL-IPC "MODERATE" AND "HIGH" LISTS WILL BE CONTROLLED ON THE PROJECT SITE SO THAT THE FINAL TOTAL COVER OF THESE SPECIES IS NO MORE THAN 5%. WEED SPECIES NOT ON THE CAL-IPC "MODERATE" OR "HIGH" LIST WILL BE CONTROLLED SO THAT THE FINAL TOTAL COVER OF THESE SPECIES IS NO MORE THAN 10%. THESE MAXIMUM WEED COVERS APPLY TO ALL OF THE VEGETATION TYPES BEING RESTORED.
- DURING MONITORING, THE RESTORATION ECOLOGIST SHALL COMPILE A LIST OF WEED SPECIES THAT NEED TO BE ERADICATED.
- DURING THE MAINTENANCE PERIOD, THE RESTORATION CONTRACTOR SHALL REMOVE ALL DEBRIS AND TRASH FROM THE REVEGETATION AREAS.
- DURING THE MAINTENANCE PERIOD, THE RESTORATION CONTRACTOR SHALL MAINTAIN EROSION CONTROL MATERIALS, REPAIR EROSION, AND INSTALL ADDITIONAL EROSION CONTROL MATERIALS AS DETERMINED BY THE RESTORATION ECOLOGIST AND THE CITY. EROSION CONTROL MEASURES MAY INCLUDE STRAW WATTLES, GRAVEL BAGS, AND/OR MULCH.
- THE CITY IN CONSULTATION WITH THE RESTORATION CONTRACTOR SHALL DETERMINE IF PROJECT GOALS ARE BEING MET.
- IF PROJECT GOALS ARE NOT BEING MET AT THE SPECIFIED MILESTONE PERIODS, THE RESTORATION CONTRACTOR SHALL RECOMMEND REMEDIAL MEASURES AND SUBMIT A BRIEF PROPOSAL TO THE CITY FOR APPROVAL. THE RESTORATION CONTRACTOR SHALL IMPLEMENT ANY NECESSARY REMEDIAL MEASURES FOLLOWING APPROVAL.
- MAINTENANCE WILL BE EXTENDED BEYOND 5 YEARS IF SUCCESS CRITERIA HAVE NOT BEEN MET.

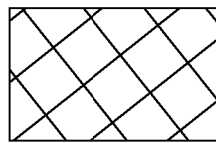
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CONSTRUCTION RECORD			REFERENCES		Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE	Office	Designed By		Drawn By		Checked By		Submitted		Approved		CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS		Drawing No.		
Contractor													Horizontal			Plans Prepared Under Supervision Of					By		By		Improvement Plans for:						
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Date Completed													Vertical	Traffic					R.C.E. No.	68877					PLANTING NOTES				Sheet 12 of 19		
												ELEV. DATUM: .																			

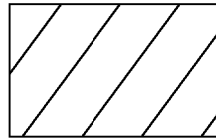




LEGEND



① VEGETATION AREA A



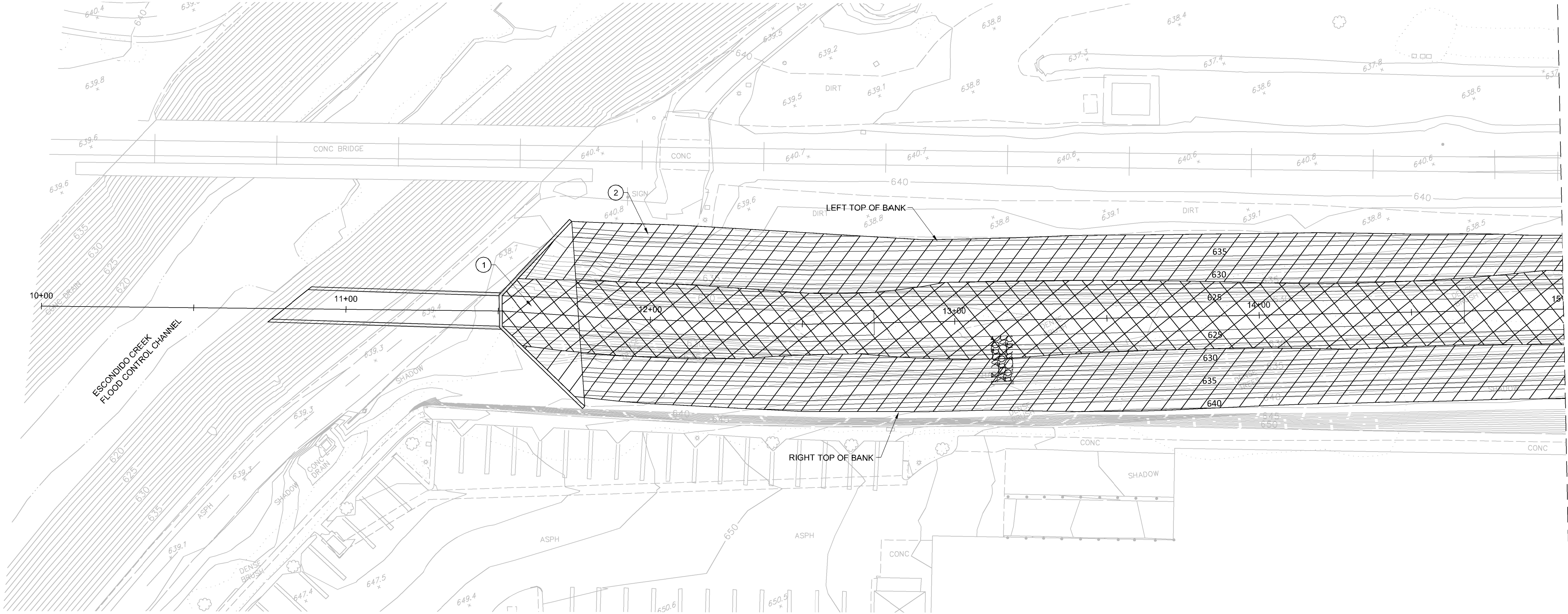
② VEGETATION AREA B

NOTES FOR SEED MIX:

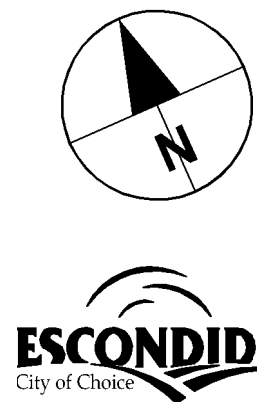
\*\* THE TOTAL POUNDS ARE BASED ON AN ESTIMATED AREA OF 2.38 ACRES.

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	SCIENTIFIC NAME	COMMON NAME
VEGETATION A	IN-STREAM FRESHWATER MARSH PALETTE: 0'-4'	
	ANEMOPSIS CALIFORNICA	YERBA MANSA
	CAREX SPISSA	SAN DIEGO SEDGE
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	PLUCHEA SERICEA	ARROW WEED
VEGETATION B	TRIGLOCHIN CONCINNA	ARROWGRASS
	MID-TERRACE AND UPLAND PALETTE: 4' AND ABOVE	
	BACCHARIS SALICIFOLIA	MULE FAT
	HYMENOCLEA MONOGYRA	LEAFY BURROWBUSH
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	ENCELIA CALIFORNICA	CALIFORNIA BUSH SUNFLOWER
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT
	PLUCHEA SERICEA	ARROW WEED
	ROSA CALIFORNICA	CALIFORNIA ROSE
	PLATANUS RACEMOSA	WESTERN SYCAMORE
	POPULUS FREMONTII	FREMONT COTTONWOOD
	SALIX GOODDINGII	BLACK WILLOW
	SAMBUCUS MEXICANA	BLUE ELDERBERRY
	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH
	HYMENOCLEA MONOGYRA	LEAFY BURROBUSH
	ISOMERIS ARBOREA	BLADDERPOD
	NASSELLA PULCHRA	PURPLE NEEDLEGRASS
	SIMMONDSIA CHINESIS	JOJOBA



MATCH LINE - STA 15+00  
SEE SHEET 14

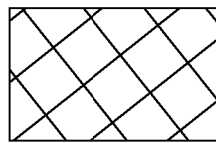


CONSTRUCTION RECORD		REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO	DEPARTMENT OF PUBLIC WORKS	Drawing No.
Contractor									Horizontal	Filmed	Plans Prepared Under Supervision Of					Improvement Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b> PLANTING PLAN STA 10+00 TO STA 15+00		Sheet 13 of 19
Inspector									Vertical	Traffic	Keri Gannon		Date 03/26/2015	By	By			
Date Completed									1"=20'				R.C.E. No. 68877	Assistant City Engineer of Public Works	Director of Public Works			

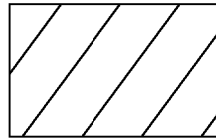
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LEGEND



① VEGETATION AREA A



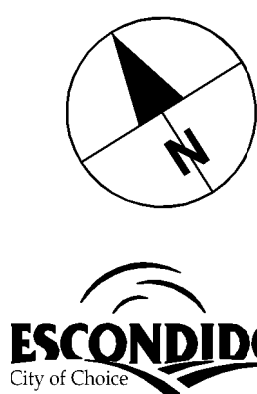
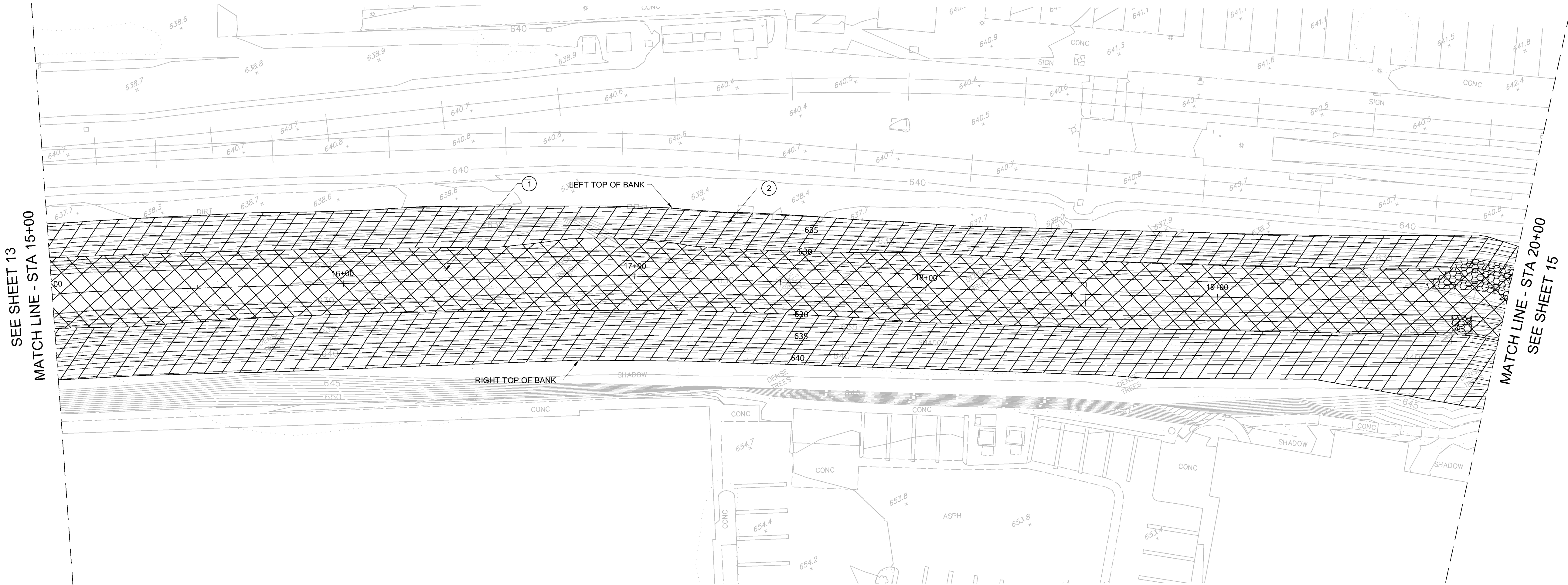
② VEGETATION AREA B

NOTES FOR SEED MIX:

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	SCIENTIFIC NAME	COMMON NAME
VEGETATION A	IN-STREAM FRESHWATER MARSH PALETTE: 0'-4'	
	ANEMOPSIS CALIFORNICA	YERBA MANSA
	CAREX SPISSA	SAN DIEGO SEDGE
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	PLUCHEA SERICEA	ARROW WEED
VEGETATION B	TRIGLOCHIN CONCIINNA	ARROWGRASS
	MID-TERRACE AND UPLAND PALETTE: 4' AND ABOVE	
	BACCHARIS SALICIFOLIA	MULE FAT
	HYMENOCLEA MONOGYRA	LEAFY BURROWBUSH
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	ENCELIA CALIFORNICA	CALIFORNIA BUSH SUNFLOWER
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT
	PLUCHEA SERICEA	ARROW WEED
	ROSA CALIFORNICA	CALIFORNIA ROSE
	PLATANUS RACEMOSA	WESTERN SYCAMORE
	POPULUS FREMONTII	FREMONT COTTONWOOD
	SALIX GOODDINGII	BLACK WILLOW
	SAMBUCUS MEXICANA	BLUE ELDERBERRY
	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH
	HYMENOCLEA MONOGYRA	LEAFY BURROBUSH
	ISOMERIS ARBOREA	BLADDERPOD
	NASSELLA PULCHRA	PURPLE NEEDLEGRASS
	SIMMONDSIA CHINESIS	JOJOBA

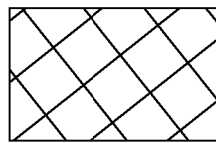


CONSTRUCTION RECORD		REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO		DEPARTMENT OF PUBLIC WORKS	Drawing No.	
Contractor								ELEV.      DATUM: .	Horizontal	Filmed	Plans Prepared Under Supervision Of							Improvement Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b> PLANTING PLAN STA 15+00 TO STA 20+00		Sheet 14 of 19	
Inspector							1"=20'				Keri Gannon		Date	03/26/2015	By		By				
Date Completed							Vertical		Traffic				R.C.E. No.	68877	Assistant City Engineer of Public Works		Director of Public Works				
							1"=4'														

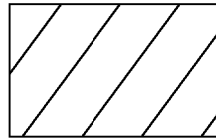
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LEGEND



① VEGETATION AREA A



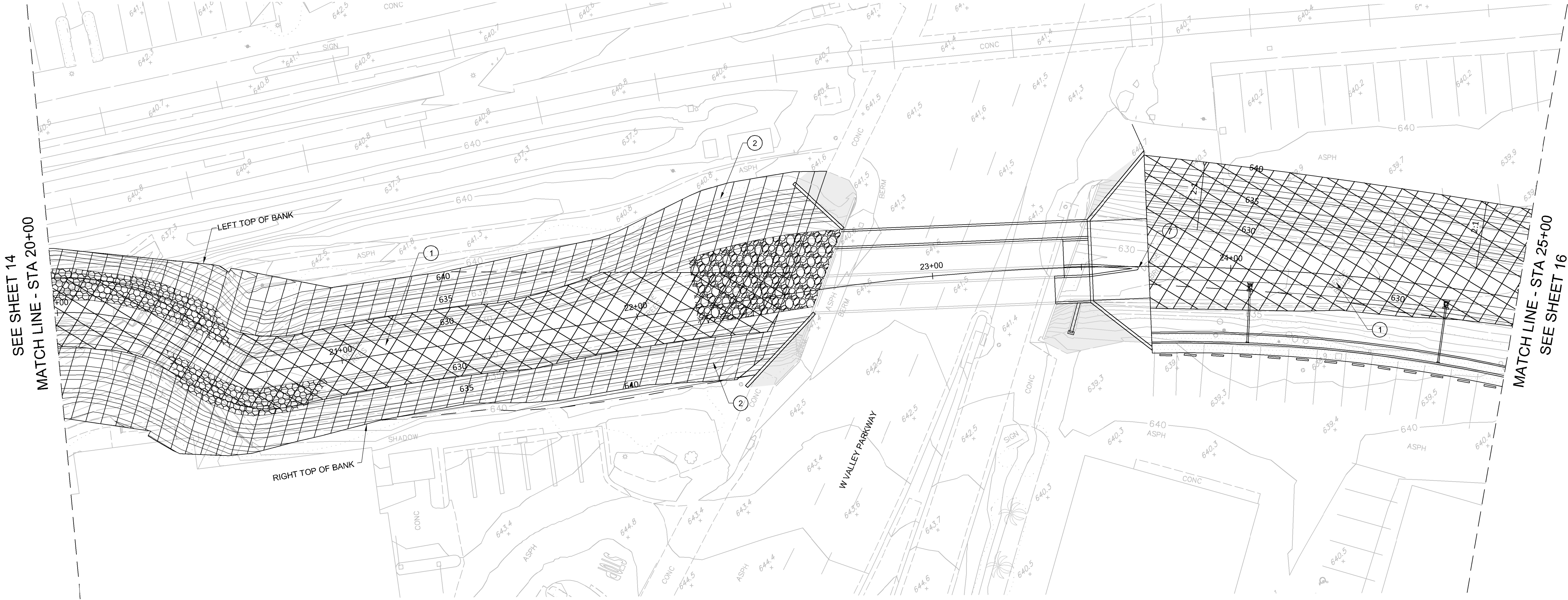
② VEGETATION AREA B

NOTES FOR SEED MIX:

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	SCIENTIFIC NAME	COMMON NAME
VEGETATION A	IN-STREAM FRESHWATER MARSH PALETTE: 0'-4'	
	ANEMOPSIS CALIFORNICA	YERBA MANSA
	CAREX SPISSA	SAN DIEGO SEDGE
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	PLUCHEA SERICEA	ARROW WEED
VEGETATION B	TRIGLOCHIN CONCINNA	ARROWGRASS
	MID-TERRACE AND UPLAND PALETTE: 4' AND ABOVE	
	BACCHARIS SALICIFOLIA	MULE FAT
	HYMENOCLEA MONOXYRA	LEAFY BURROWBUSH
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	ENCELIA CALIFORNICA	CALIFORNIA BUSH SUNFLOWER
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT
	PLUCHEA SERICEA	ARROW WEED
	ROSA CALIFORNICA	CALIFORNIA ROSE
	PLATANUS RACEMOSA	WESTERN SYCAMORE
	POPULUS FREMONTII	FREMONT COTTONWOOD
	SALIX GOODINGII	BLACK WILLOW
	SAMBUCUS MEXICANA	BLUE ELDERBERRY
	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH
	HYMENOCLEA MONOXYRA	LEAFY BURROBUSH
	ISOMERIS ARBOREA	BLADDERPOD
	NASSELLA PULCHRA	PURPLE NEEDLEGRASS
	SIMMONDSIA CHINESIS	JOJOBA



NOTE:  
SEE SHEET 9 FOR STORM DRAIN INFORMATION

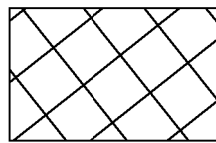


CONSTRUCTION RECORD		REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO	DEPARTMENT OF PUBLIC WORKS	Drawing No.
Contractor									Horizontal	Filmed	Plans Prepared Under Supervision Of					Improvment Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b> PLANTING PLAN STA 20+00 TO STA 25+00		Sheet 15 of 19
Inspector									1"=20'	Traffic	Keri Gannon			By	By			
Date Completed									Vertical					Assistant City Engineer of Public Works	Director of Public Works			
ELEV. DATUM: .									1"=4'		Date 03/26/2015							
											R.C.E. No. 68877							

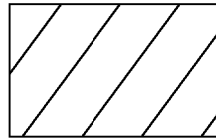
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LEGEND



① VEGETATION AREA A



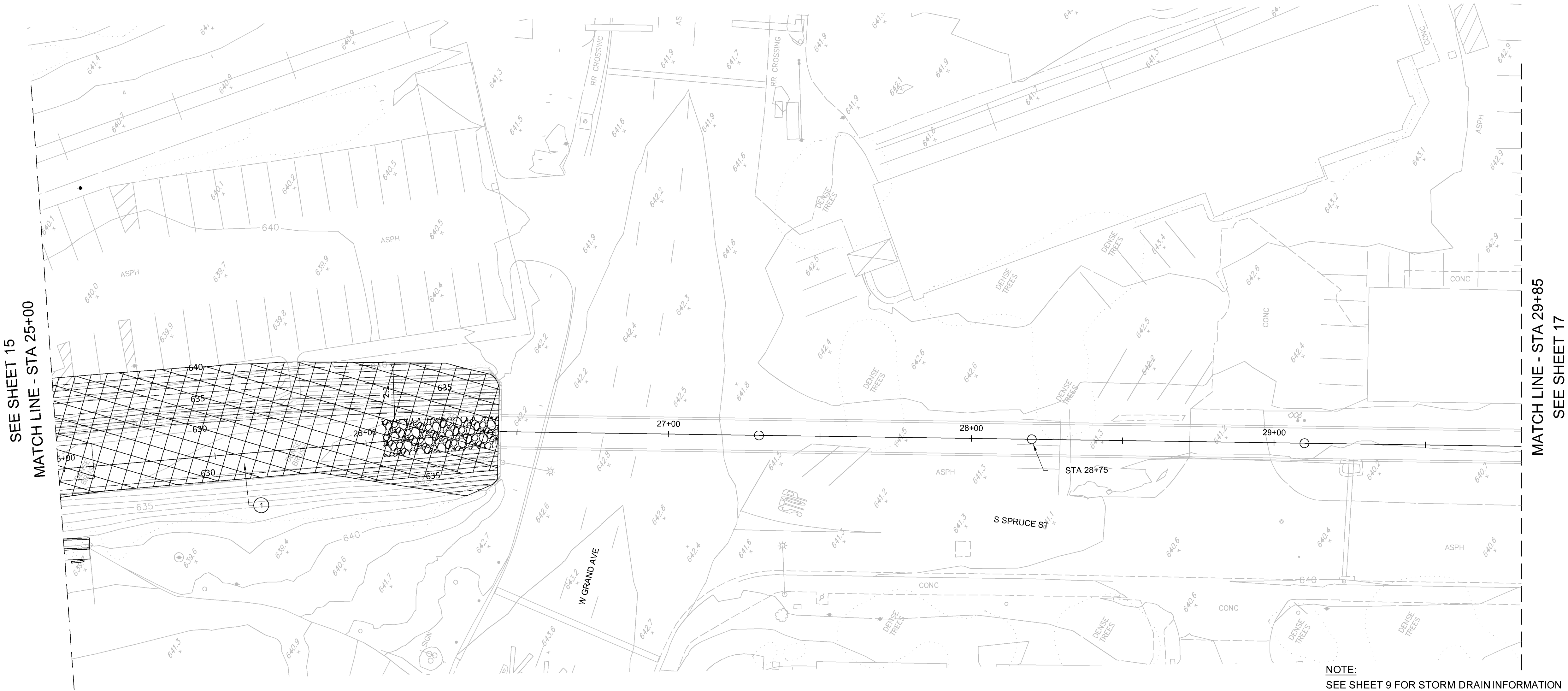
② VEGETATION AREA B

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	SCIENTIFIC NAME	COMMON NAME
VEGETATION A	IN-STREAM FRESHWATER MARSH PALETTE: 0'-4'	
	ANEMOPSIS CALIFORNICA	YERBA MANSA
	CAREX SPISSA	SAN DIEGO SEDGE
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	PLUCHEA SERICEA	ARROW WEED
VEGETATION B	TRIGLOCHIN CONCINNA	ARROWGRASS
	MID-TERRACE AND UPLAND PALETTE: 4' AND ABOVE	
	BACCHARIS SALICIFOLIA	MULE FAT
	HYMENOCLEA MONOGYRA	LEAFY BURROWBUSH
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	ENCELIA CALIFORNICA	CALIFORNIA BUSH SUNFLOWER
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT
	PLUCHEA SERICEA	ARROW WEED
	ROSA CALIFORNICA	CALIFORNIA ROSE
	PLATANUS RACEMOSA	WESTERN SYCAMORE
	POPULUS FREMONTII	FREMONT COTTONWOOD
	SALIX GOODDINGII	BLACK WILLOW
	SAMBUCUS MEXICANA	BLUE ELDERBERRY
	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH
	HYMENOCLEA MONOGYRA	LEAFY BURROBUSH
	ISOMERIS ARBOREA	BLADDERPOD
	NASSELLA PULCHRA	PURPLE NEEDLEGRASS
	SIMMONDSIA CHINESIS	JOJOBA



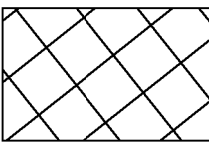
NOTE:  
SEE SHEET 9 FOR STORM DRAIN INFORMATION



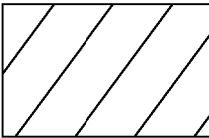
CONSTRUCTION RECORD		REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO	DEPARTMENT OF PUBLIC WORKS	Drawing No.
Contractor								ELEV.      DATUM: .	Horizontal	Filmed	Plans Prepared Under Supervision Of						Improvement Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b> PLANTING PLAN STA 25+00 TO STA 29+85		Sheet 16 of 19
Inspector							Vertical		Traffic	Keri Gannon		Date	03/26/2015	By	By				
Date Completed							1"=4'			R.C.E. No.		68877	Assistant City Engineer of Public Works	Director of Public Works					



LEGEND



① VEGETATION AREA A



② VEGETATION AREA B

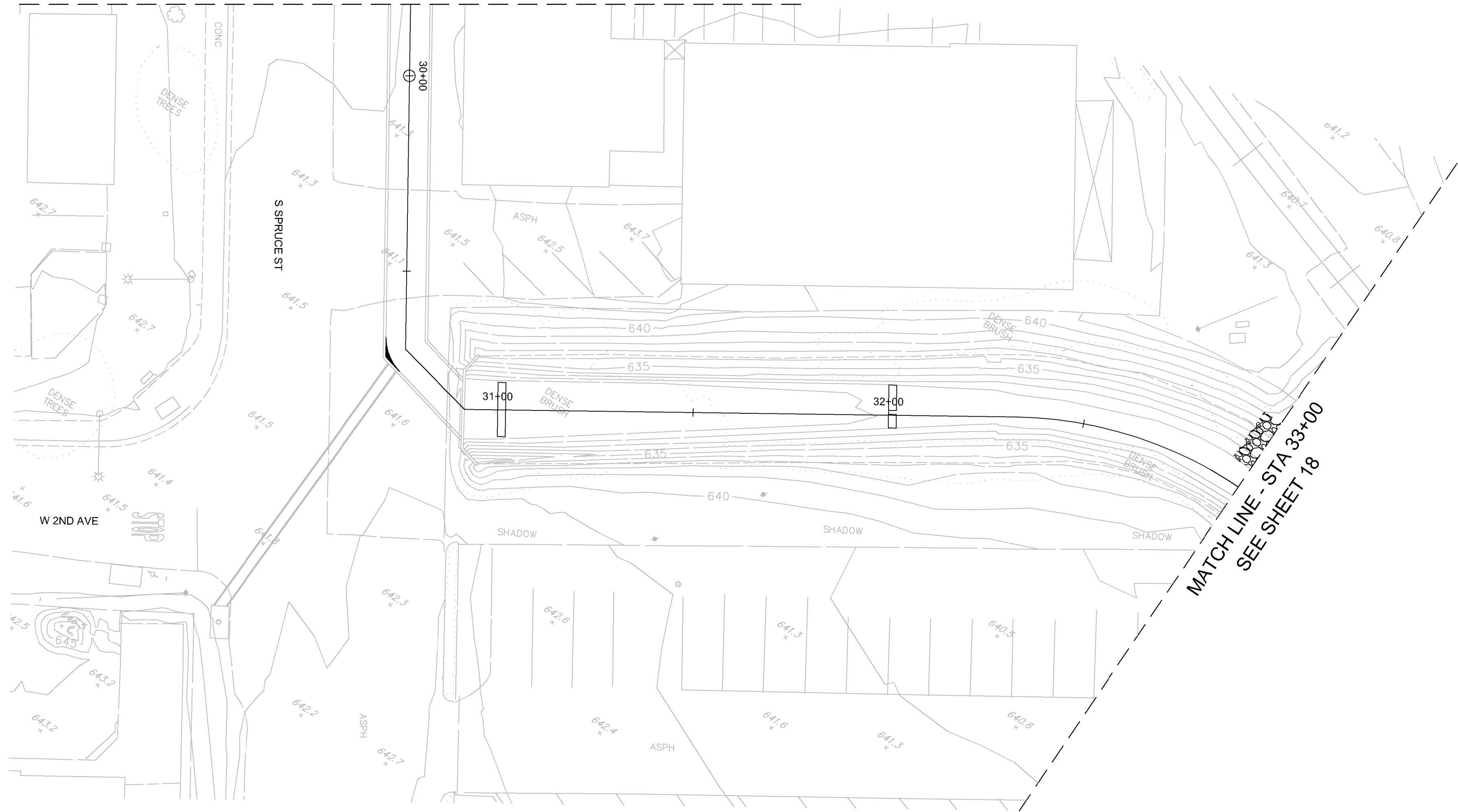
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	SCIENTIFIC NAME	COMMON NAME
	IN-STREAM FRESHWATER MARSH PALETTE: 0'-4'	
VEGETATION A	ANEMOPSIS CALIFORNICA	YERBA MANSA
	CAREX SPISSA	SAN DIEGO SEDGE
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	PLUCHEA SERICEA	ARROW WEED
	TRIGLOCHIN CONCINNA	ARROWGRASS
VEGETATION B	MID-TERRACE AND UPLAND PALETTE: 4' AND ABOVE	
	BACCHARIS SALICIFOLIA	MULE FAT
	HYMENOCLEA MONOGYRA	LEAFY BURROWBUSH
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	ENCELIA CALIFORNICA	CALIFORNIA BUSH SUNFLOWER
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT
	PLUCHEA SERICEA	ARROW WEED
	ROSA CALIFORNICA	CALIFORNIA ROSE
	PLATANUS RACEMOSA	WESTERN SYCAMORE
	POPULUS FREMONTII	FREMONT COTTONWOOD
	SALIX GOODDINGII	BLACK WILLOW
	SAMBUCUS MEXICANA	BLUE ELDERBERRY
	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH
	HYMENOCLEA MONOGYRA	LEAFY BURROBUSH
	ISOMERIS ARBOREA	BLADDERPOD
	NASSELLA PULCHRA	PURPLE NEEDLEGRASS
	SIMMONDSIA CHINESIS	JOJOBA

SEE SHEET 16  
MATCH LINE - STA 29+85

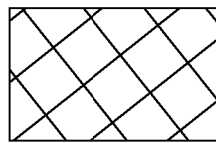


CONSTRUCTION RECORD		REFERENCES	Date	By	REVISIONS		App'd	Date	BENCH MARK		SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO	DEPARTMENT OF PUBLIC WORKS	Drawing No.				
Contractor											Horizontal	Filmed	Plans Prepared Under Supervision Of					Improvement Plans for: <b>SPRUCE STREET CHANNEL IMPROVEMENT PROJECT</b> PLANTING PLAN STA 29+85 TO STA 33+00						
Inspector										1"=20'			Keri Gannon	Date 03/26/2015			By		By					
Date Completed										Vertical	Traffic			R.C.E. No. 68877			Assistant City Engineer of Public Works		Director of Public Works					
ELEV. DATUM: .																								Sheet 17 of 19

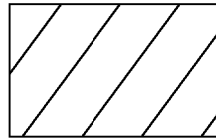
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LEGEND



① VEGETATION AREA A



② VEGETATION AREA B

NOTES FOR SEED MIX:

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VEGETATION A	SCIENTIFIC NAME	COMMON NAME
	IN-STREAM FRESHWATER MARSH PALETTE: 0'-4'	
VEGETATION A	ANEMOPSIS CALIFORNICA	YERBA MANSA
	CAREX SPISSA	SAN DIEGO SEDGE
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	PLUCHEA SERICEA	ARROW WEED
	TRIGLOCHIN CONCINNA	ARROWGRASS
VEGETATION B	MID-TERRACE AND UPLAND PALETTE: 4' AND ABOVE	
	BACCHARIS SALICIFOLIA	MULE FAT
	HYMENOCLEA MONOGYRA	LEAFY BURROWBUSH
	JUNCUS ACUTUS SSP. LEOPOLDII	SOUTHWESTERN SPINY RUSH
	ENCELIA CALIFORNICA	CALIFORNIA BUSH SUNFLOWER
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT
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	SALIX GOODINGII	BLACK WILLOW
	SAMBUCUS MEXICANA	BLUE ELDERBERRY
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	HYMENOCLEA MONOGYRA	LEAFY BURROBUSH
	ISOMERIS ARBOREA	BLADDERPOD
	NASSELLA PULCHRA	PURPLE NEEDLEGRASS
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