SANTA CLARA VALLEY WATER DISTRICT

**AMENDMENT ONE TO AGREEMENT DATED MAY 26, 2015
CONTRACT NO. C0601 BY AND BETWEEN SANTA CLARA VALLEY
WATER DISTRICT AND BALFOUR BEATTY INFRASTRUCTURE, INC.
RINCONADA WATER TREATMENT PLANT RELIABILITY IMPROVEMENT PROJECT**

The following is an amendment (Amendment One) to the Agreement (Contract No. C0601) dated May 26, 2015 entered into and effective as of March 10, 2020 (Effective Date) by and between the Santa Clara Valley Water District, hereinafter referred to as "District" and Balfour Beatty Infrastructure, Inc. hereinafter referred to as "Contractor," collectively, the "Parties."

District and Contractor have agreed, by this Amendment One, to amend the Contract Documents as follows:

RECITALS

A. On May 26, 2015, after due advertisement and taking of competitive bids from prequalified contractors, the District awarded the prime contract for construction (Contract) of the Rinconada Water Treatment Plant (RWTP) Reliability Improvement Project (Project) to Balfour Beatty Infrastructure, Inc. (Contractor), an engineering, electrical and general contractor, licensed by the state of California, License No. 664318, located in Fairfield, California. Contractor's successful low bid, and the original Contract Price, was $179,850,000.

B. The Contract, as awarded, in its Special Provisions, Section 11, Article 11.04, *Time Allowance for Completion of Work*, allowed Contractor 1,827 days to complete the Project, sequentially, in 6 phases (Phases). Contractor timely completed Milestone 1 (Phase 1) and on September 25, 2015, Contractor timely commenced the Work of Milestone 2 (Phase 2). Although the Contract required Contractor complete Milestone 2 (Phase 2) in 519 days, Phase 2 is not yet completed. In 2017, 2018, and 2019, portions of Phases 3, 4, and 5 were performed out of sequence, with consent from District.

C. During the submittal process for setting the Schedule of Values for the Work, District and Contractor disputed the allocation of the Contract Price among the six Phases. As a result of this dispute, $21,000,000 from Phase 2 was reallocated to later Project Phases. This amount is hereafter referred to as the "Disputed Reallocation Amount."

D. The District and Contractor have had, and still have, disputes over the Contract and the Project, reflected generally, but not exclusively, in Contract-specified change and administrative documentation, and Contract-approved project management software communications, including, but not limited to, the following: Change Orders (CO); Directive Change Orders (DCO, unilateral change orders); Potential Change Orders (PCO); Contract Document Clarifications (CDC); Requests for Information (RFI); Time Impact Analysis (TIA); Job Memos (JM); and Notices of Non-Compliance for correction of defective work (NCN). The Project's Dispute Review Board (DRB) has heard and considered various disputes during Project construction.

E. As of the Effective Date, the Adjusted Contract Price is $187,824,261, and the Adjusted Contract Time is 1932 days. Commencing with Progress Payment No. 40 through September 30, 2018, the District assessed liquidated damages against Contractor's earned payment amounts. Liquidated damages assessed through July 31, 2019 are $18,993,000, with actual withholding through July 31, 2019 in the amount of $7,206,087.60. Contractor disputed such assessment and withholding.

F. Commencing May 12, 2019, executives from the District and Contractor commenced in-person Executive Partnering meetings and negotiations, subject to settlement confidentiality privileges afforded by law and by written agreement, with each Party participating subject to their full reservation of rights and defenses regarding unresolved disputes on the Project. Although District and Contractor dispute the merit and responsibility for the various claims and disputes, the Parties executed a letter agreement, titled *Tentative Global Settlement Agreement,* on October 25, 2019.

NOW, THEREFORE, pursuant to, and consistent with, the Contract, including without limitation, Standard Provisions, "*Section 5. Scope of Work,*" Article 5.03 "*Change in Work,*" and Public Contract Code § 7105(d)(2), and in consideration of the mutual covenants and promises in this Amendment One, the sufficiency of which is hereby acknowledged, the District and Contractor agree:

ARTICLE 1. CHANGES IN THE WORK OF THE CONTRACT

A. **Deleted Work**: Delete from Contract any remaining Work of Phase 3, Phase 4, and Phase 5, as specified in the Contract's Technical Specifications, Section 01140, *Work Restrictions*, at:

1. *Phase 3 Construction Requirements* (Article 1.15); and

2. *Phase 4 Construction Requirements* (Article 1.16); and

3. *Phase 5 Construction Requirements* (Article 1.17).

B. **Retained Work**: Retain in Contract all Work not deleted, and all Added Work (below), hereafter, "Retained Work" as specified in the Contract's Technical Specifications, Section 01140, *Work Restrictions.* Retained Work includes without limitation:

1. *Phase 1 Extended Mobilization* (Article 1.04(B)(1)); and

2. *Phase 2 Construction Requirements* (Article 1.14); and

3. *Phase 2 Ozone Contactors and Flocculation/Sedimentation Basin* (Article 1.04(B)(2)); and

4. *Milestone 6, Project Completion* (Special Provision Article 11.04 (C)(6)); and

5. "*Site Restoration*" which shall be defined as the "as-is" condition of the Project Site as documented and shown in the plan view and photos in Attachment 1 Final Site Restoration Plan dated March 5, 2020, incorporated herein by this reference; and

6. *Phase 3, 4, and 5 Work* commenced and/or completed as of the Effective Date of this Amendment One.

C. **Retained/Added Work**: Maintenance until the filing of the Notice of Completion and Acceptance of the Work on all equipment and systems furnished and installed by Contractor under the Contract, whether installed or placed in use by District prior to or after the Effective Date of this Amendment One.

1. Contractor shall provide all maintenance however denominated (preventative, routine, normal) including replacement of any defective parts through the filing of the Notice of Completion and Acceptance of Work as set forth below:

   a) All manufacturer-recommended maintenance, servicing and lubrication at the intervals and schedules set forth in the manufacturer's Operating and Maintenance Data provided by Contractor under Specification Section 01782, (*Operating and Maintenance Data*), including §1.06 (*Equipment, Products, and Systems Required to Furnish Operation and Maintenance Manuals*) which includes Table 01782-1 and any operation and maintenance manuals where so required in the Technical Specifications.

   b) All preventative maintenance points properly covered in training under Section 01758 (Training Requirements) as applicable to Contractor's furnished and installed equipment.

   c) Contractor's Maintenance obligations under this Amendment One shall not alter or otherwise impact Contractor's Contract obligations under the Contract including any Contract warranties or guaranty or the Service Contract for Standby Generators referred to in Section 16230 (Standby Generators), §1.10(B)(required 3-year contract).

D. **Added Work**: All known Work described and set forth in all DCOs, PCOs, CDCs, and JMs existing as of the Effective Date of this Amendment One filed in EA Docs, to the extent District at its sole and reasonable discretion, and except as allowed for in Article 3 Adjustments in the Contract Price, paragraph A.5., determines that such DCOs, PCOs, CDCs and JMs expressly provide for Added Work. At District's direction, Contractor shall promptly prosecute such Work in full accordance with the Contract, to completion.

E. **Standard for Completed Work**: All Work including the Retained Work and Added Work described in this Amendment One shall be performed in accordance with the then-existing Contract, Plans, Drawings, and Specifications. The Project as described in this Amendment One will be completed, inspected, tested, and be in full compliance with the requirements of the Contract.

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ARTICLE 2. CONTRACT TIME

A. **Single Scope of Work**: Retained Work including Contract requirements for startup, commissioning, and testing shall achieve Project Completion and Project Acceptance, as a single scope of work with due consideration of Deleted Work including necessary follow-on Work by this Amendment One.

B. **Deletion of Milestones 3, 4, and 5**: Special Provisions, Section 11.04, *Time Allowance for Completion of Work.* Delete Special Provisions, Sections 11.04 C. 3. "Milestone 3, completion of Phase 3 work," C.4 "Milestone 4, completion of Phase 4 work," and C.5 "Milestone 5, completion of Phase 5 work";

C. **Retention of Milestones 1, 2, and 6**: Special Provisions, Section 11.04, *Time Allowance for Completion of Work.* Retain Special Provisions, Sections 11.04 Paragraphs C. 1. "Milestone 1, completion of Phase 1 work," C.2. "Milestone 2, completion of Phase 2 work," and C.6. "Milestone 6, Project Completion."

D. **New Milestone Completion Dates**: Delete Special Provisions Section 11.04, *Time Allowance for Completion of Work*, Paragraph D, *Milestone Completion*, and replace with:

"D. Milestone Completion Dates for Retained Work:

For Retained Work, Contractor shall achieve Project Completion and Acceptance as set forth in Special Provisions, Section 21, *Contract Closeout* by October 10, 2020 meeting the following Milestones:

1. **Milestone RW 1: June 12, 2020**: Completion of the following Contract requirements as applicable to the Retained Work:

   (a) Testing and Startup (Special Provisions Article 21.04; Technical Provisions Section 01756) including Successful completion of 30 (calendar) day acceptance test for Phase 2 (Technical Provisions Section 01756, Article 1.04 B.7.)

   (b) Operating and Maintenance Data (Technical Provisions Section 01782)

   (c) Training Requirements (Special Provisions Article 21.03; Technical Provisions Section 01758)

2. **Milestone RW 2: July 12, 2020**: Submission of As-Built Record Drawings and Specifications (Special Provisions Article 21.05.01).

3. **Milestone RW 3: September 10, 2020**: Completion of "Site Restoration" Work as set forth in Attachment 1 Final Site Restoration Plan dated March 5, 2020 and Milestone 6 Project Completion Special Provisions Article 11.04 C. 6. to the extent such Milestone 6 Project Completion is applicable to Work performed by Contractor pursuant to this Amendment One.

4. **Milestone RW 4: October 10, 2020**: To the extent applicable to the Retained Work, Project Completion and Final Inspection (Special Provisions Article 21.01.05); Submission of Guaranty and Guaranty Bond (Special Provisions Article 21.02); Final Cleaning (Special Provisions Article 21.06); Submission of remaining Closeout Items (Special Provisions Article 21.05), including without limitation, Closeout Documents (Special Provision Article 21.05.02)."

E. Delete Special Provisions, Section 11.05.A. *Excusable Inclement Weather Delays,* however, notwithstanding the foregoing, nothing herein shall affect Contractor's rights under the Contract including Standard Provisions Article 5.05.01.B.5. for occurrences of a "severe and unusual nature" including "acts of God."

F. A new schedule is included as Attachment 2 Project Completion Schedule dated February 4, 2020, incorporated herein by this reference, and is subject to the terms of this Amendment One.

ARTICLE 3. ADJUSTMENTS IN THE CONTRACT PRICE

A. Adjustments in the Contract Price:

1. Reversal of Disputed Reallocation Amount. The District shall, and hereby does, reverse its prior determination regarding the Disputed Reallocation Amount, which shall, effective upon execution of this Amendment One, revert back to Phase 2. District has already processed four disbursements, accomplishing the full reversion amount, as follows:

   a) $7,000,000 payable to Contractor on October 1, 2019

   b) $5,000,000 payable to Contractor and Neal Electric Corporation on October 1, 2019

   c) $3,000,000 payable to Contractor on November 21, 2019 (*Item 1 in Table below)

   d) $6,000,000 payable to Contractor on January 2, 2020 (**Items 2 & 3 in Table below)

2. District shall pay the remaining amount for completion of Phase 2 Work per the current Payment Application process as stated in the Contract.

3. District hereby recognizes the lump sum additive amount of $27,610,900 as detailed in the Completion Payment Schedule table below for a total final Contract amount of $147,926,900.

4. Progress payments to be made upon completion of each milestone as described, rather than on a monthly basis. Payments shall be made within 30 days of receipt of proper pay application from Contractor.

5. Subject to the requirements of Article 6 Contractor's Project Knowledge and Limitation on Change Orders, as stated hereinbelow, DCOs, PCOs, CDCs, and JMs (on file in EA Docs) issued after October 22, 2019 which are unpaid, are in addition to the total final Contract amount of $147,926,900 and will be paid as provided in Contract Standard Provisions "Change in Work" 5.03 and "Change in Contract Price" 5.04 and Special Provisions 11.11.03.

6. Unpaid equipment and materials purchased on approved shop drawings or submittals and inspected and approved by the District that cannot be restocked without substantial expense, or were specifically fabricated for Phases 3, 4, or 5 of the Project, at the reasonable discretion of the District, are in addition to the total final Contract amount and will be paid, only if procured during one or both of the timeframes stated in a) or b) below.

   The maximum amount District may agree to pay Contractor for such items shall not exceed $5,000,000. Only invoice prices will be paid; no Contractor mark-up will be paid by District. Equipment and materials ordered after March 10, 2020 will not be paid for by District.

   a) Unpaid equipment and materials ordered and procured prior to October 22, 2019 will be paid for by the District.

   b) Unpaid equipment and materials ordered and procured between October 23, 2019 and March 10, 2020 will be paid for if equipment and materials are accepted by the District, at District's reasonable discretion.

COMPLETION PAYMENT SCHEDULE

		Activity	Amount	Notes
1	*Signing of Tentative Global Settlement Agreement letter	Payment Complete	$3,000,000	Reference per Article 3.A.1.c.
2	**PLC panel installed	Payment Complete	$3,000,000	Reference per Article 3.A.1.d.
3	**Floc/Sed Hydro test	Payment Complete	$3,000,000	Reference per Article 3.A.1.d.
4	Signing of Amendment One		$3,093,900	
5	PLC 700/710 submittal	PH2-22-6260	$3,000,000	
6	Floc/Sed circulation of plant water	PH2-06-4155	$3,000,000	
7	Floc/Sed Run mixers	PH2-06-7030	$3,000,000	
8	March shutdown	CDC-217-0070	$3,000,000	
9	Start of 30-day Acceptance Test	PH2-06-7120	$3,000,000	
10	End of 30-day Acceptance Test	PH2-06-7120	$3,000,000	
11	Completion of Phase 2	MILESTONE-02.2	$3,517,000	
12	Completion of Phase 6	MILESTONE 3	$3,000,000	
	Total Items 4 through 12		**$27,610,900**	

B. **Full and Complete Compensation**: Subject to Article 3 Adjustments in the Contract Price, adjustments to the Contract Price stated in Article 3 paragraph A. 3. of this Amendment One, shall be considered a single lump sum amount and shall constitute full compensation to complete the Retained Work and for all Contractor promises, releases, covenants, indemnities and all other obligations, pursuant to this Amendment One.

ARTICLE 4. CONTRACTOR'S RELEASE OF CLAIMS

A. **Contractor's Release**: As part of the consideration for this Amendment One, Contractor provides District with this following release ("Contractor's Release") of claims, on behalf of itself, its agents, assigns, subcontractors, suppliers, insurers, sureties and any other party claiming or potentially claiming through Contractor.

1. Contractor's Release: Contractor waives, forgives and releases District, its employees, officers, agents, construction managers, architects, engineers, design consultants of all types, inspectors, other District contracting entities regarding the Project, and their subcontractors, and/or subconsultants of any tier, and any and all other persons or entities working for the District regarding the planning, design and/or construction of the Project at any time, from any and all claims arising from the Project, the Work, asserted errors or omissions in the Drawings, Specifications, or other Contract Documents, planning documents, information documents, COs, PCOs, CDCs and JMs, arising at any time including during planning, bidding, contract award, and/or performance of the Work, known or knowable by Contractor or by its engineering subconsultants or by Contractor's subcontractors, suppliers or subconsultants of any tier, as of the date of execution of this Amendment One.

2. Contractor's Release extends to any and all claims, requests, liens, liabilities, obligations or demands for extra compensation, markups, schedule relief or other relief of any sort, whether known or unknown, which have arisen or may hereafter arise, in connection with the Project, whether inchoate or actual, documented or undocumented, and includes without limitation, existing or potential letters, Requests for Information, time extension requests, Time Impact Analyses, extra compensation requests, JMs, Disputes, Protests, Notices of Potential Claim, or Claims, existing, or potentially existing, as of the date of execution of this Amendment One.

3. Contractor's Release includes, by way of example only, claims and requests for compensation for schedule relief or other relief of any sort, inefficiency, interferences, impacts, cumulative impacts, home office overhead, field office overhead, storage, materials or labor or resource escalation, whenever such work was performed.

4. Claims released by Contractor's Release, provided above, shall be referred to hereafter as "Contractor Released Claims."

5. Contractor will obtain and provide to District original versions of approved consent to this Amendment One by all sureties providing performance and payments bonds for the Project. District's receipt and approval of such written documentation is a condition precedent to District's obligation to disburse any payments to Contractor pursuant to this Amendment One.

B. **California Civil Code Section 1542 Waiver**: Contractor hereby certifies that it has read and hereby waive its rights pursuant to Section 1542 of the California Civil Code, which states:

> **"A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS THAT THE CREDITOR OR RELEASING PARTY DOES NOT KNOW OR SUSPECT TO EXIST IN HIS OR HER FAVOR AT THE TIME OF EXECUTING THE RELEASE AND THAT, IF KNOWN BY HIM OR HER, WOULD HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR OR RELEASED PARTY."**

C. **Contractor's Indemnification of District from Claims by Subcontractors, Suppliers, Vendors**. Contractor covenants and warrants, that it will defend, indemnify, and save harmless District from and against any and all claims from subcontractors or suppliers of Contractor, or anyone claiming through Contractor, arising out of the Project that in any manner relate to the Contractor Released Claims. In the event that the District seeks, now or in the future, reimbursement from any entity for costs related to this Amendment One, the District agrees to execute necessary, reasonable affidavits and otherwise cooperate with respect to a Civil Code Section 877.6 Determination of Good Faith regarding this settlement sought by Contractor in any resulting civil action. Such determination is not a condition of this settlement. This provision is in addition to Article 6.16 Indemnification of the Contract Documents.

ARTICLE 5. LIQUIDATED DAMAGES AND RETENTION

A. **Settlement and Adjustment**. As additional and incentive consideration exchanged by the Parties for execution of this Amendment One and for the promises, covenants and releases stated throughout this Amendment One, the Parties have agreed on settlement and adjustment of assessed and retained liquidated damage amounts, and administration of retention, as set forth below.

B. **Existing, Accrued Liquidated Damages Held by District**. District will retain as "first recourse" performance security Liquidated Damage amounts held by District, to be released as stated below, or otherwise retained by District as first recourse performance security.

1. District will continue to assess and withhold Liquidated Damages in accordance with the original Contract Documents until execution of this Amendment One.

2. District shall stop assessment of Liquidated Damages upon execution of this Amendment One. Upon execution of Amendment One, Liquidated Damages amounts shall be as follows:

   Assessment amount: $18,993,000

   Withheld amount: $7,206,100

3. Upon completion of the March Shutdown, Schedule item CDC-217-0070, no later than March 25, 2020 or to such date as may be extended by a Non-Preventable Change, District shall release $3,603,050 of withheld Liquidated Damages.

4. Should the completion of the March Shutdown extend beyond March 25, 2020 not due to a Non-Preventable Change, District shall release $1,801,525 of withheld Liquidated Damages upon completion of the March Shutdown.

5. District shall release any and all remaining withheld Liquidated Damages upon completion of Phase 6.

C. Amendment One Delay Assessments Impacting Contract Amount. On the Effective Date, Article 11.07, Paragraphs (A)(2) through and including (A)(6), constituting the Liquidated Damage for Milestones 1, 2, 3, 4, and 5, shall be, for the Remaining Work, deemed deleted. In their place, the following provisions shall apply:

In the event Contractor does not meet the applicable Milestone dates, the increased Contract amount will be decreased in Contractor's settlement amount, as follows:

1. For Failure to Complete Milestone RW #1:

   a) $3,000,000 for failure to complete Milestone RW #1 within 60 days of June 12, 2020.

   b) An additional $3,000,000 for failure to complete Milestone RW #1 within 91 days of June 12, 2020.

   c) An additional $3,000,000 for failure to complete Milestone RW #1 within 122 days of June 12, 2020.

   d) $16,000 per day for each day Contractor has failed to complete Milestone RW #1 starting on the 123rd day after of June 12, 2020 with a cap at 30 days.

2. For Failure to Complete Milestone RW #3:

   a) $1,000 per day for each day Contractor has failed to complete Milestone RW #3 within 90 days of completion of Milestone RW #1 with a cap at 30 days.

D. Accrued Liquidated Damages Extinguished. Upon completion of RW #3 and payment of Amendment One Delay Assessments, remaining liquidated damages accrued as of the Effective Date, shall be extinguished.

E. Release of Retention

1. District will continue to withhold 10percent retention in accordance with the original Contract Documents, Article 20.05.01.H. Contract Retention.

2. Upon full execution of Amendment One, retention shall be reduced to 7.5 percent, from the current specified amount of 10 percent. Partial release of retention withheld to date, to 7.5 percent, shall be made on the first progress payment after execution of Amendment One.

3. Upon successful completion of the March Shutdown, Schedule item CDC-217-0070, retention shall be reduced to 5 percent. Partial release of retention withheld to date, to 5 percent, shall be made on the first progress payment after successful completion of the March Shutdown.

4. Thereafter, District will withhold 5 percent retention, which shall not be due or payable until 35 days after completion of the Work and the filing of Notice of Completion and Acceptance in the manner provided by law, subject to withholds as required by law, and in accordance with Article 8.04. Final Payment.

ARTICLE 6. CONTRACTOR'S PROJECT KNOWLEDGE AND LIMITATION ON CHANGE ORDERS

A. **Contractor's Project Knowledge**: Contractor represents it has the quality, fitness, capacity, and experience to satisfactorily complete the Retained Work and Contractor shall furnish all labor, methods or processes, implements, tools, machinery, construction equipment, materials of any kind, and manufactured equipment, which are required to construct in a good and worker-like manner all the Work herein specified. In addition, Contractor having been on site and performing work since September 2015 is fully aware of the conditions and difficulties encountered, of the character, quality, and quantities of the work performed and materials furnished, and of the requirements of the Proposal, Drawings, Specifications, and other Contract Documents and is charged with all Project knowledge known or reasonably knowable by a contractor qualified to bid the Project and having been on site and performing work on the Project since September 2015, including without limitation, all applicable Codes, all applicable construction standards required by the Contract Documents, and necessary construction means and methods.

B. **No Time or Compensation for Preventable Changes**: In completing the Retained Work, Contractor shall have no entitlement to additional time or compensation for "preventable" changes and extra costs, defined as: changes, costs and/or time delay resulting from conditions, events or designs, within Contractor's Project knowledge, that Contractor could have discovered and resolved prior to the execution of this Amendment One, and/or prevented, such as, for example, and not by way of limitation, constructability and coordination issues or meeting Contract Documents or reasonably foreseeable equipment/material replacements and substitutions.

C. **Time and/or Compensation for Non-Preventable Changes**: In completing the Retained Work Contractor shall have entitlement to additional time or compensation for Non-Preventable changes and extra costs, defined as: changes, costs and/or time delay resulting from conditions, events or designs, not within Contractor's Project knowledge, that Contractor could not have reasonably discovered and timely resolved and/or prevented.

D. **Examples**:

a) District changes adding additional scope or changes in legal requirements, would be a Non-Preventable Change.

b) District direction for upsizing or downsizing a piece of equipment to meet changed service requirements would be a Non-Preventable Change.

c) Changing a piece of equipment to meet space requirements or code requirements would be a Preventable Change.

ARTICLE 7. MISCELLANEOUS AND LEGAL

A. **Diligent Performance**. Contractor shall diligently prosecute the Work to completion. In the event of any dispute under the Contract Documents, or regarding the interpretation of the Contract Documents, or this Amendment One, the District shall decide the issue and Contractor shall diligently prosecute the Work, including the Disputed Work, to completion in accordance with the District's decision. Contractor will, however, retain its rights stated in the Contract's Disputes Procedure, except as stated below in Article 7 B. Dispute Review Board.

B. **Dispute Review Board**. The Dispute Review Board is dismissed and the DRB Process, expressed throughout the Contract Documents, no longer applies.

C. **Warranty**: All construction warranties shall commence to run in accordance with original Contract Documents for Retained Work. See Attachment 3, Warranty List, dated February 12, 2020, incorporated herein by this reference.

D. **Mandatory Seasonal Water Production Schedule**: The mandatory seasonal water production schedule provided in Article 01140.1.11. Mandatory Rinconada WTP Water Production Schedule as November 15 to March 15 for 40MGD and March 16 to November 14 for 80MGD, shall extend into future years if delays extend and until successful completion of all Retained Work.

E. **Legal**: Nothing in this Amendment One shall change or alter the Contract terms and conditions on Contractor's indemnification, which shall continue to apply and are cumulative to Contractor's indemnities as stated herein. The Amendment One is a consensual contract amendment. It is not a contract termination. This Amendment One has precedence over all Contract Documents identified in Standard Provisions, Section 2.01. Precedence of Contract.

F. **Entire Agreement**. This Amendment One constitutes the sole and entire agreement between the Parties and supersedes all prior agreements, negotiations, and discussions between the Parties with respect to the subject matter covered hereby. The Parties each acknowledge that, in entering into this Amendment One, they are not relying upon any representation, promise or warranty other than those terms and provisions expressly set forth in this Amendment One. This Amendment One may not be altered, amended, waived, modified or otherwise changed in any respect or particular whatsoever except by writing duly executed by authorized representatives of the Parties.

G. **Counterpart Signatures**. This Amendment One may be signed in any number of counterparts, each of which shall be deemed an original and all of which shall be deemed one and the same instrument. Electronic signatures shall also be deemed an original and each signature page shall constitute a counterpart hereof. A photocopy of the signed original may be used for all purposes to which a signed original can be used.

H. **Headings**. Paragraph headings are provided for convenience and do not control the interpretation of this Agreement.

I. **Consultation with Counsel**. The Parties acknowledge that each of them has read and understood this Amendment One, and that each of them has received or had the opportunity to receive independent legal advice from their respective attorneys as to the effect and importance of this Amendment No. One provisions.

J. **Joint Preparation**. The Parties agree and acknowledge that the terms of this Amendment One have been negotiated and drafted jointly by representatives of each of the Parties and that no future construction of this Amendment One shall be affected or governed in any way by any claim concerning the identity of the drafter of this Agreement.

K. **Non-Waiver**. Any waiver of any portion or provision of this Amendment One, shall not be valid unless it is in writing, properly executed by the Parties.

L. **Continuation of Executive Partnering**: Parties agree to continue Executive Partnering to aid in successful completion of the Contract. Executive Partnering shall be used as the preferred means for dispute resolution; however, it shall not constitute a basis to stop or delay work or otherwise delay or toll dispute resolution procedures as provided under Article 8 Dispute Resolution herein.

M. **No Third-Party Beneficiaries**. Nothing in this Amendment One, whether express or implied, shall be construed to give any person or entity, other than the parties hereto, any legal or equitable right, remedy or claim relating to this Agreement or any covenants, conditions, or provisions contained herein.

ARTICLE 8. DISPUTE RESOLUTION

A. Contractor shall use its best efforts to include this procedure in its subcontracts and supplier agreements used for completion of the Retained Work and shall join such parties in Referee proceedings as necessary to achieve a complete resolution of disputes.

B. **Judicial Reference**: In the event of disputes that are not resolved through Executive Partnering, the Parties may engage in voluntary non-binding mediation or any other alternative dispute resolution they may agree on. Upon failure to mutually agree, or upon failure of any such mediation or other alternative dispute resolution procedure mutually agreed upon by the parties, should either party commence litigation, the dispute shall, upon stipulation or by order of the court following petition or noticed motion, be ordered to judicial reference under the California Code of Civil Procedure, Sections 638 *et seq*., subject to the provisions for Judicial Reference as set forth below.

1. The referee shall be a retired California state court judge who, in the prior ten years, has served as the trial judge or arbitrator for a complex construction dispute. The referee shall not have been hired or retained by any of the Parties or subcontractors, including as legal counsel. Nor may the Parties seek to appoint a referee that may be disqualified pursuant to California Code of Civil Procedure Section 641 or 641.2. Notwithstanding the foregoing, the Parties may stipulate in writing to a referee not meeting these requirements.

2. If the Parties are unable to agree to a referee within ten (10) calendar days, then the referee will be selected by the court in accordance with California Code of Civil Procedure Section 640(b).

3. The referee shall conduct the proceedings in accordance with state law, including without limitation, the California Code of Civil Procedure, and California Evidence Code, except as specifically agreed to by the Parties in writing and approved by the referee.

4. The referee's decision shall be decided under and in accordance with the laws of the State of California, supported by substantial evidence and, in writing, contain the basis for the decision, conclusions of law, findings of fact on each material element of causes of action decided, and for damage amounts awarded, specific findings of causation and basis of calculation in reasonable specificity for categories of amounts.

5. The referee is empowered to relax the rules of evidence for purposes of expedience, savings of time and savings of expense, however, findings of fact must be based upon evidence meeting the standards of admissibility under the California Evidence Code, for purposes such evidence has qualified.

6. Hearsay may not constitute competent evidence; nor may expert opinion rely on hearsay.

7. Neither Party may recover from the other Party special, consequential, or incidental damages, unless the same is proven to result from intentional breach of contract, gross negligence or an intentional tort.

8. The referee, in his or her sole discretion, is empowered to request either Party to substantiate amounts or request other, reasonable verification of amounts.

9. The decision of the referee shall be entered as a judgment in the court in accordance with the provisions of the California Code of Civil Procedure Sections 644 and 645, unless otherwise agreed by the Parties.

10. The decision of the referee shall be appealable to the same extent and in the same manner that such decision would be appealable if rendered after trial in the superior court.

11. The cost of conducting the judicial reference proceeding shall be borne equally by the parties. The filing fee, witness fees, costs of discovery, or any other cost necessarily incurred by one party shall not be shared by any other party, except that the referee may allow the prevailing party to recover its costs and necessary (but not discretionary) disbursements, except attorneys' fees, on the same basis as allowed in civil actions. These costs shall be taxed as in civil actions.

C. **No Attorneys' Fees**: No Party to this Amendment One may recover its attorneys' fees from the other for any reason whatsoever.

IN WITNESS WHEREOF, THE PARTIES HAVE SET FORTH BELOW THEIR CONSENT TO THE TERMS AND CONDITIONS OF THIS AMENDMENT ONE THROUGH THE SIGNATURES OF THEIR DULY AUTHORIZED REPRESENTATIVES.

SANTA CLARA VALLEY WATER DISTRICT
District

By: _____
Nai Hsueh
Chair, Board of Directors

Date: _____

BALFOUR BEATTY INFRASTRUCTURE, INC.
Contractor

By: _____
John Rempe
President and Chief Executive Officer

Date: _____

Contractor's Address:

5050 Business Center Drive, Suite 250,
Fairfield, CA 94534

ATTEST:

_____
Michele L. King, CMC
Clerk, Board of Directors

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Attachment No. 1 to Amendment One

Final Site Restoration Plan

Rinconada Water Treatment Plant
Reliability Improvement Project, Contract C0601

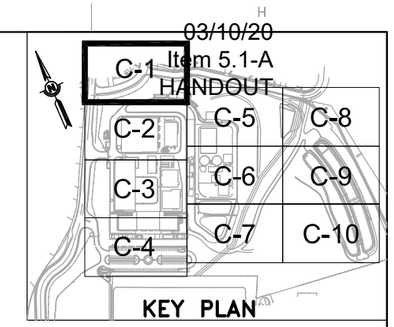
March 5, 2020

Site Restoration per Walk through and Meeting on January 31, 2020

The following was agreed to between the representative of BBII and the District following the walk through in a meeting at the WTP. The plans submitted by BBII to accept the site in as is condition were utilized for the walk through, and the following relate to acceptable as is agreement.

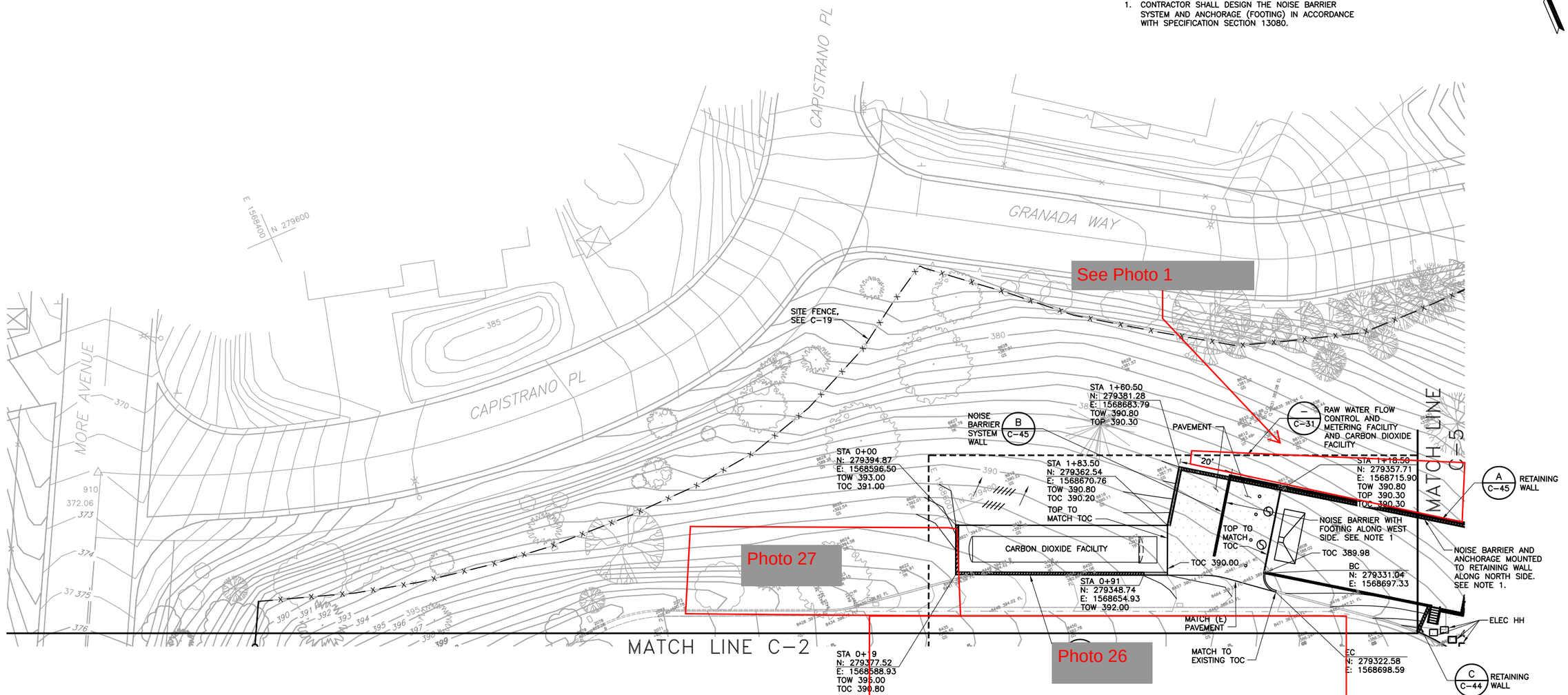
1. All existing roadways in the plant should be established to allow easy access and traffic control for Plant Operating and Maintenance Staffs and vehicles. Roadways shall be graded to provide proper drainage to drains or SWPPP pump sumps.
2. Roadway area between Floc/Sed. – Ozone Contactors and existing clarifiers shall be regraded to provide positive drainage away from new Phase 2 facilities.
3. BBII to establish a swale/berm grading to form a retention pond with overflow to V-Ditch / Slide gate Structure.
4. All SWPPP slope protection shall be brought up to “like-new” condition.
5. All presently deployed SWPPP pumps shall remain installed at the site and shall be tested as operable. (Valley Water to add trash pumps within the Slide Gate Chamber to divert V-ditch overflow to detention ponds.)
6. Remove all unused material, i.e. pipe, fittings, conduit, rebar, forms, etc., from the site.
7. BBII construction yard at southeast detention ponds shall be graded and all side slopes graded and protected from erosion with jute matting.

Final Site Restoration:



NOTES:

1. CONTRACTOR SHALL DESIGN THE NOISE BARRIER SYSTEM AND ANCHORAGE (FOOTING) IN ACCORDANCE WITH SPECIFICATION SECTION 13080.



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 17			

CDM Smith
100 Pringle Ave, Suite 300
Walnut Creek, CA 94596
Tel: (925) 933-2900
Fax (925) 933-4174

DATE: JAN 2015
DESIGN: JNC
DRAWN: MAR
CHECKED: WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER WILLIAM DAVID BUTCK No. C 60461 Exp. 6/30/2016 CIVIL STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
GRADING, PAVING & DRAINAGE PLAN 1

SCALE: 1" = 20'
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: C-1
PAGE NUMBER: 96 OF 990

DOCUMENT NUMBER: RWT-C-9329-51721

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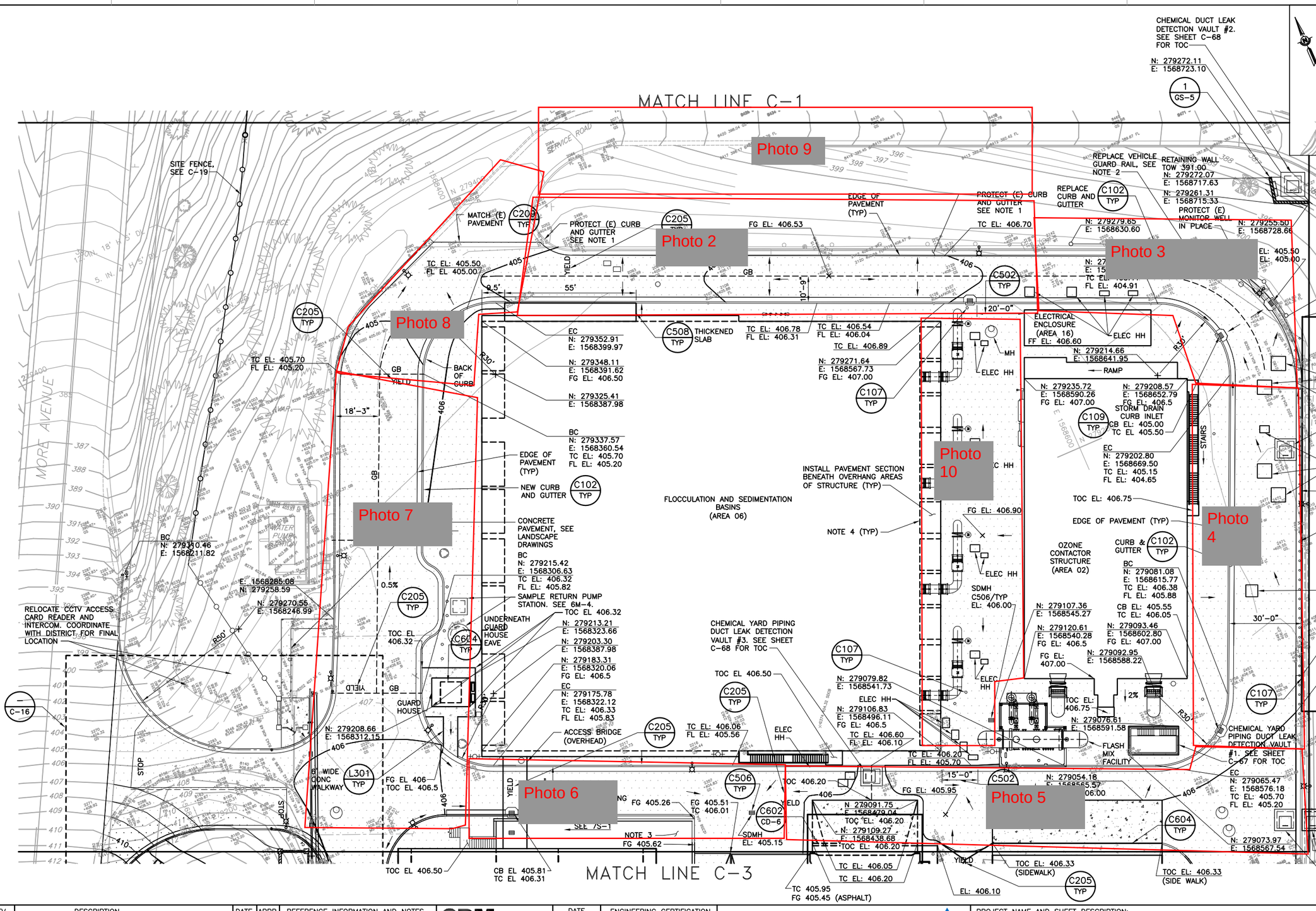

NOTES:

1. NEW AC PAVEMENT TO MATCH EXISTING GRADE
2. METAL BEAM GUARD RAILING SHALL BE PER STANDARD CALTRANS PLAN A77, WITH WOOD POSTS AND BLOCKS. REPLACE WITH NEW WHEREVER REMOVED.
3. CONTRACTOR MAY INSTALL TEMPORARY ACCESS RAMP INTO THE FILTER BY EXTENDING EAST TO MATCH EXISTING GRADE WHILE TEMP 30"-WW-SCCP IS IN SERVICE. CONTRACTOR TO FINALIZE CONSTRUCTION OF ACCESS RAMP AFTER TEMP 30"-WW-SSCP HAS BEEN REMOVED.
4. DASHED LINES DEPICT BUILDING OUTLINE OR FEATURES AT GRADE.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 18			

DOCUMENT NUMBER: RWT-C-9329-51722

CDM Smith
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Fax (925) 933-4174

DATE	ENGINEERING CERTIFICATION
JAN 2015	REGISTERED PROFESSIONAL ENGINEER MICHAEL L. MICHAEL NO. C 68188 Exp. 9\30\2015 CIVIL STATE OF CALIFORNIA
DESIGN ML	
DRAWN MAR	
CHECKED WDB	
ENGINEER	1/28/15 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:

RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT

GRADING, PAVING & DRAINAGE PLAN 2

SCALE	PROJECT NUMBER
1" = 20'	93294057
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-2 PAGE NUMBER: 97 OF 990

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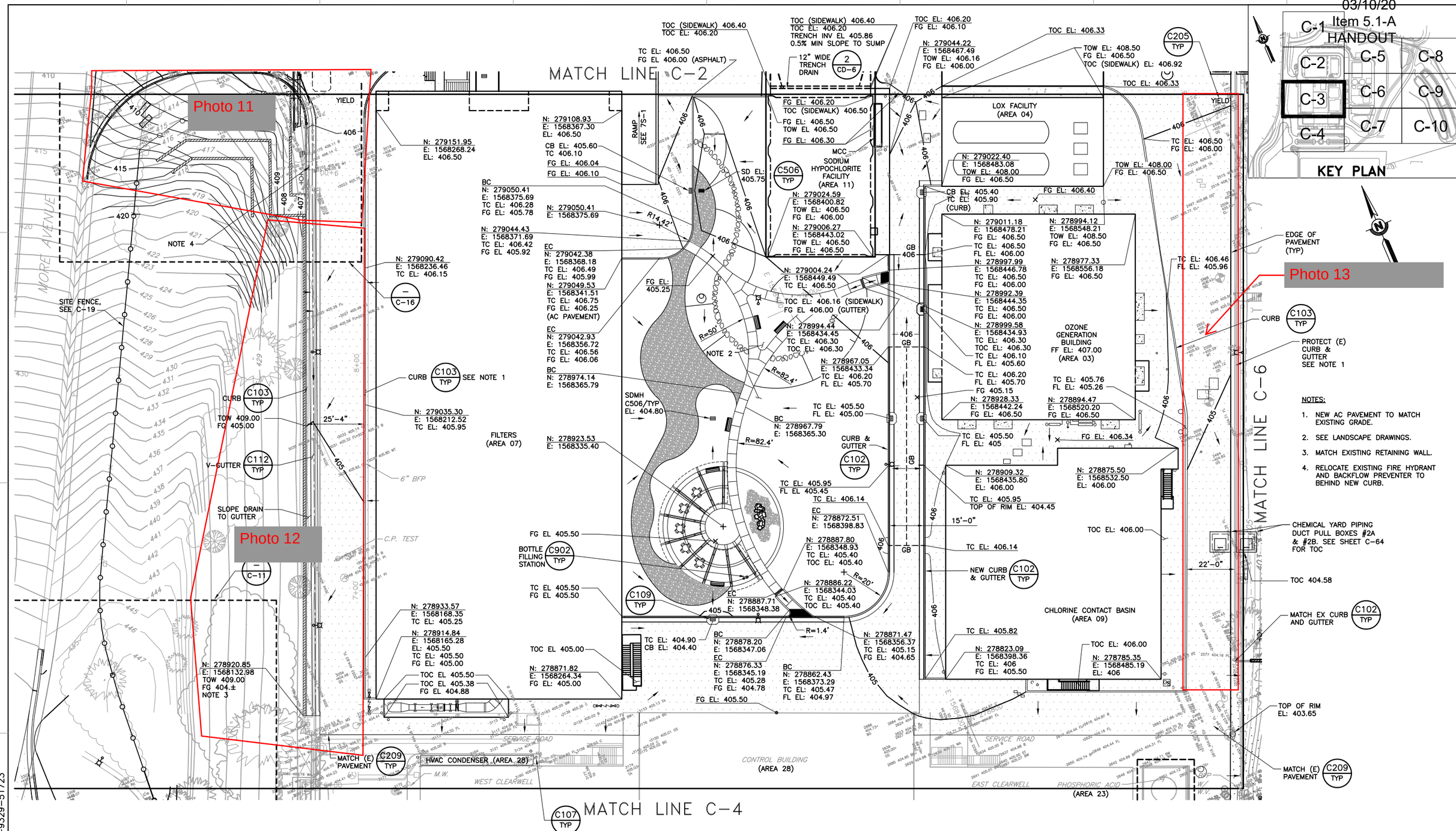

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DOCUMENT NUMBER: RWT-C-9329-51723

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 19			

CDM Smith
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DATE: JAN 2015
DESIGN: ML
DRAWN: MAR
CHECKED: WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MICHAEL L. NO. C 68188 Exp. 9\30\2015 CIVIL STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

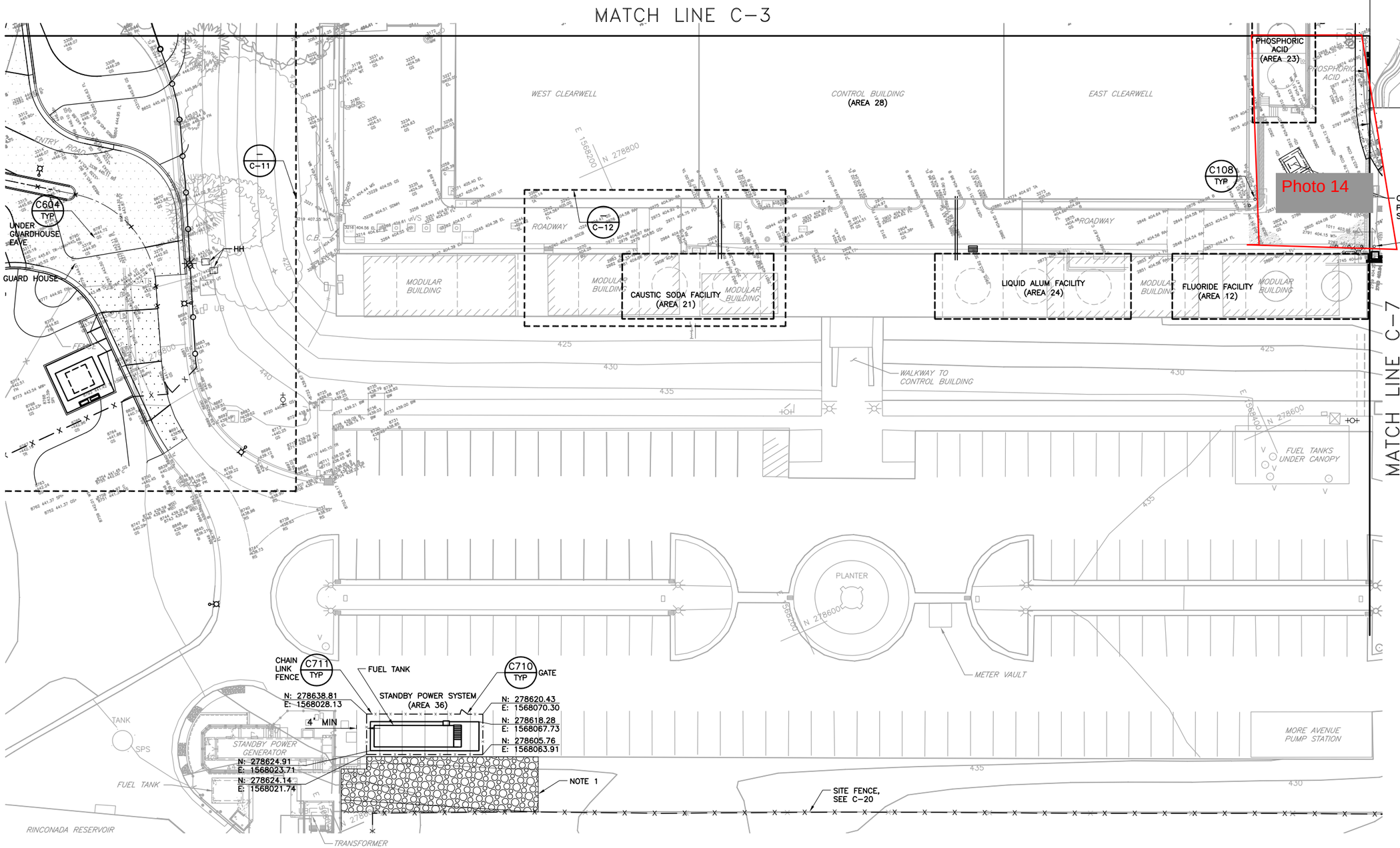
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

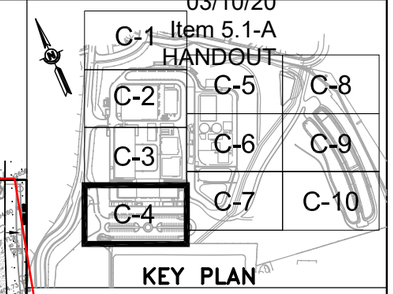
PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
GRADING, PAVING & DRAINAGE PLAN 3

SCALE: 1" = 20'
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: C-3
PAGE NUMBER: 98 OF 990

03/10/20
Item 5.1-A
HANDOUT





NOTE:

1. REMOVE ALL VEGETATION BETWEEN THE FENCE LINE AND FUEL TANK. AREA SHALL BE GRADED AS REQUIRED AND SURFACED WITH A MINIMUM OF 4 INCHES OF COMPACTED AGGREGATE BASE ROCK OVER A HIGH MODULUS, WOVEN, AND SOIL SEPARATION GEOTEXTILE. FINAL GRADE OF ROCK BASE SHALL MATCH EXISTING GRADE.

REV	DESCRIPTION	DATE	APPR.
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 20		

REFERENCE INFORMATION AND NOTES

CDM Smith
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Tel: (925) 933-2900
Fax (925) 933-4174

DATE JAN 2015
DESIGN ML
DRAWN MAR
CHECKED WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MICHAEL L. DAVIS NO. C 68188 Exp. 9/30/2015 CIVIL STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
GRADING, PAVING & DRAINAGE PLAN 4

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: C-4
PAGE NUMBER: 99 OF 990

DOCUMENT NUMBER: RWT-C-9329-51724

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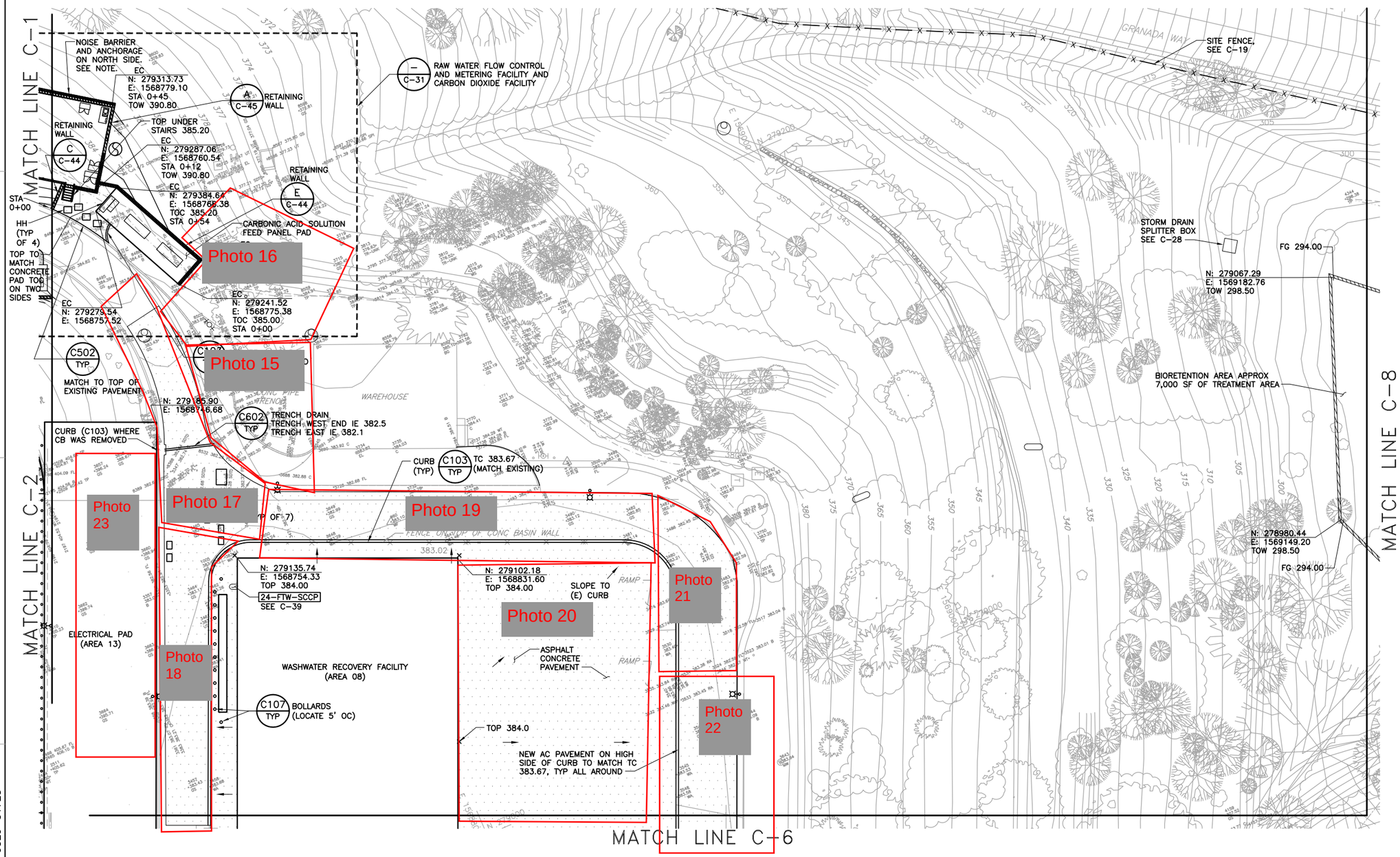

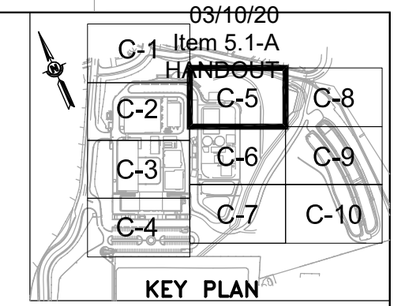

NOTES:

1. CONTRACTOR SHALL DESIGN THE NOISE BARRIER SYSTEM AND ANCHORAGE (FOOTING) IN ACCORDANCE WITH SPECIFICATION SECTION 13080.

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DOCUMENT NUMBER: RWT-C-9329-51725

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 21			

CDM Smith
100 Pringle Ave, Suite 300
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DATE: JAN 2015
DESIGN: JNC
DRAWN: MAR
CHECKED: WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER WILLIAM DAVID BRICK No. C 60461 Exp. 6/30/2016 CIVIL STATE OF CALIFORNIA
ENGINEER — DATE 1/28/15

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER — DATE 1/28/15

PROJECT NAME AND SHEET DESCRIPTION:

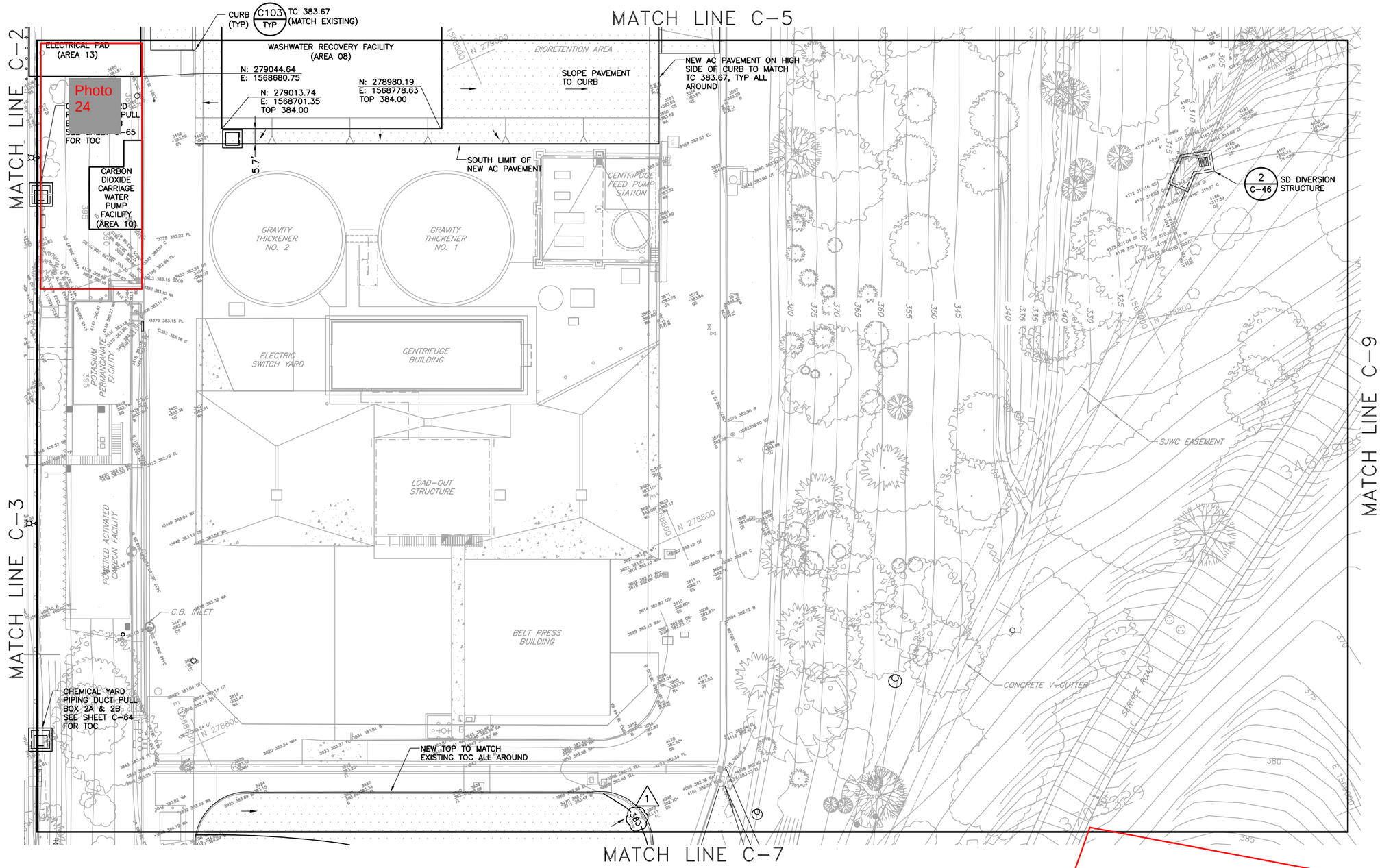
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT

GRADING, PAVING & DRAINAGE PLAN 5

SCALE: 1" = 20'
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: C-5
PAGE NUMBER: 100 OF 990

03/10/20
Item 5.1-A
HANDOUT



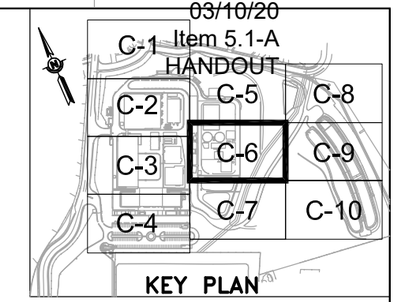


Photo 28

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
1	ADDENDUM NO. 6 REVISIONS Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 22	6/15	WDB	

DOCUMENT NUMBER: RWT-C-9329-51726

CDM Smith
100 Pringle Ave, Suite 300
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Tel: (925) 933-2900
Fax: (925) 933-4174

DATE: JUNE 2015
DESIGN: JNC
DRAWN: MAR
CHECKED: WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER WILLIAM DAVID BACK No. C 60461 Exp. 6\30\2016 CIVIL STATE OF CALIFORNIA
ENGINEER 6/15/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 6/15/15 DATE

PROJECT NAME AND TITLE
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
GRADING, PAVING & DRAINAGE PLAN 6

SCALE: 1" = 20'
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: C-6
PAGE NUMBER: 101 OF 990

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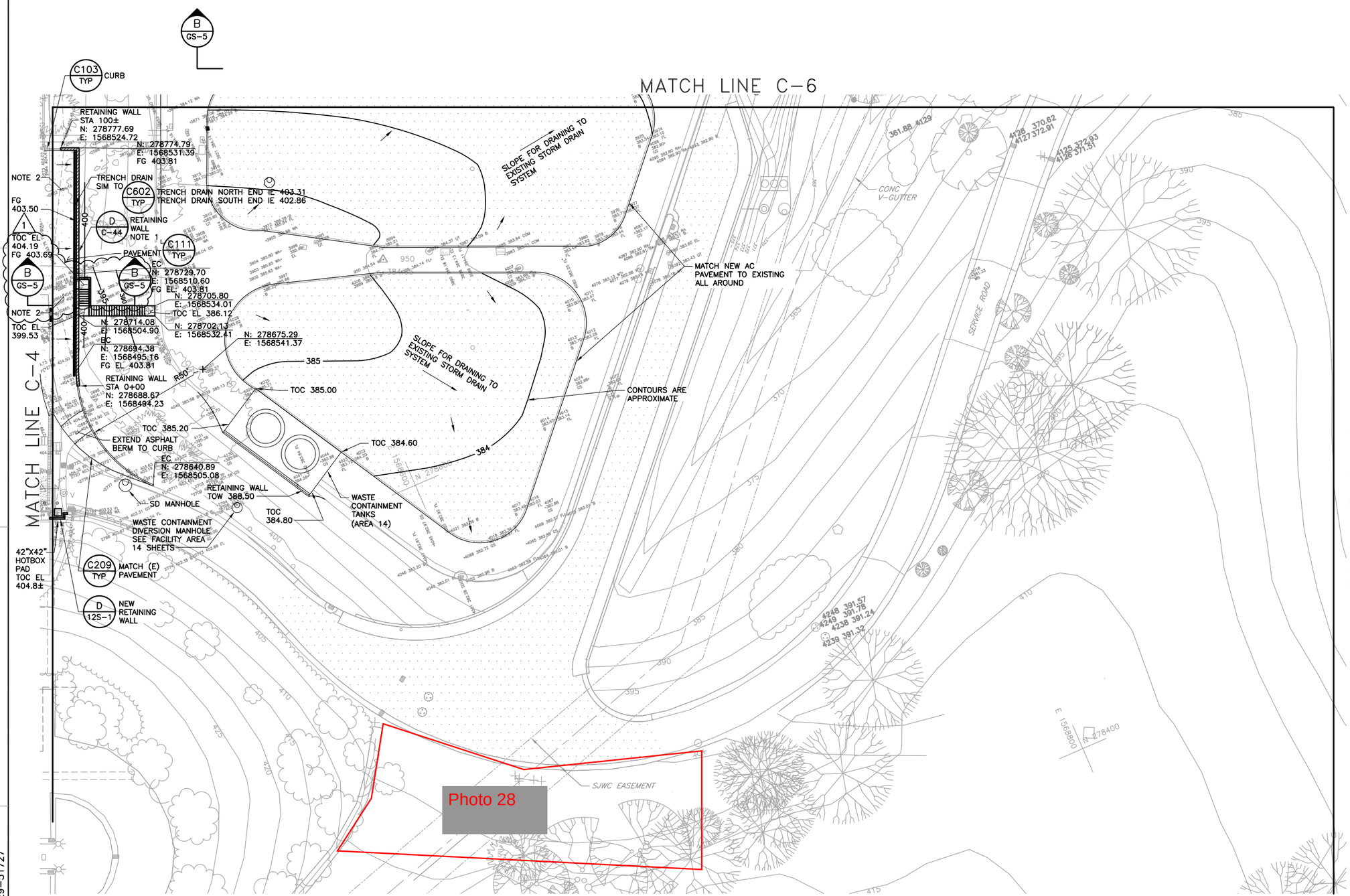

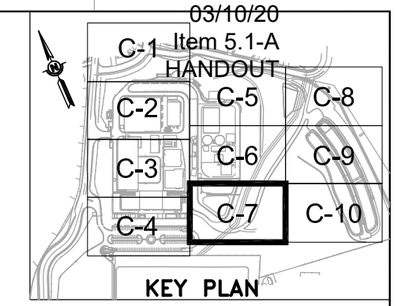

NOTES:

1. WHEN CONSTRUCTING CHEMICAL DUCT, CONTRACTOR IS TO PROVIDE ALL SHORING FOR THE RETAINING WALL CONSTRUCTION.
2. SLOPE WIDENED ROAD AT 2% TOWARDS TRENCH DRAIN.

REV	DESCRIPTION	DATE	APPR.
1	ISSUED FOR ADDENDUM NO. 5 Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 23	4/15	SCW

REFERENCE INFORMATION AND NOTES

CDM Smith
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Tel: (925) 933-2900
Fax: (925) 933-4174

DATE JUNE 2015
DESIGN ML
DRAWN MAR
CHECKED WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MICHAEL L. BRUNER NO. C 68188 Exp. 9\30\2015 CIVIL STATE OF CALIFORNIA
ENGINEER 6/15/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 6/15/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:

RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT

GRADING, PAVING & DRAINAGE PLAN 7

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: C-7
PAGE NUMBER: 102 OF 990

DOCUMENT NUMBER: RWT-C-9329-51727

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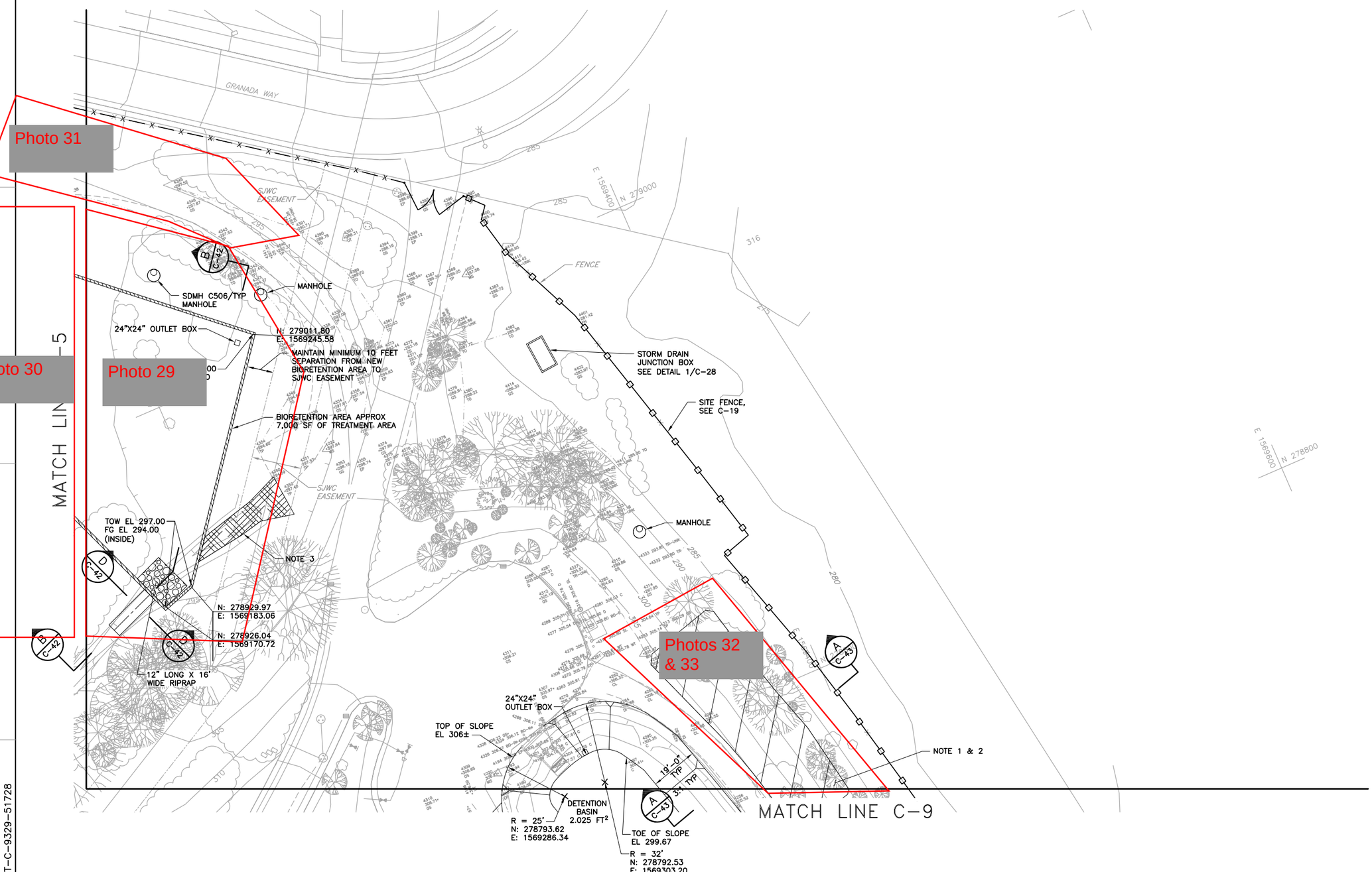

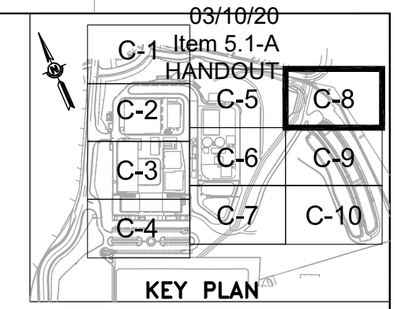

NOTES:

1. CONTRACTOR TO RIP TOP 12" OF SOIL AND RECOMPACT TO 90% RELATIVE COMPACTION. CONTRACTOR TO INSTALL CHICKEN WIRE AND EROSION CONTROL FABRIC AFTER COMPACTION. USE ANCHORS PER MANUFACTURER'S RECOMMENDATION TO STABILIZE FABRIC ON SLOPE.
2. PROTECT EXISTING TREES IN PLACE.
3. FILL EXISTING DISCHARGE OUTLET AREA WITH STRUCTURAL FILL AND COMPACT TO 90% RELATIVE COMPACTION AFTER EXISTING DISCHARGE OUTLET STRUCTURE HAS BEEN DEMOLISHED. USE TOPSOIL FOR FINAL 1 FOOT OF FILL AT SURFACE. FINAL GRADE TO MATCH ELEVATION AND DRAINAGE PATTERN OF SURROUNDING CONTOURS.

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DOCUMENT NUMBER: RWT-C-9329-51728

REV	DESCRIPTION	DATE	APPR.
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 24		

REFERENCE INFORMATION AND NOTES

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DATE	JAN 2015
DESIGN	ML
DRAWN	MAR
CHECKED	WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MICHAEL L. BRUNE NO. C 68188 Exp. 9\30\2015 CIVIL STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

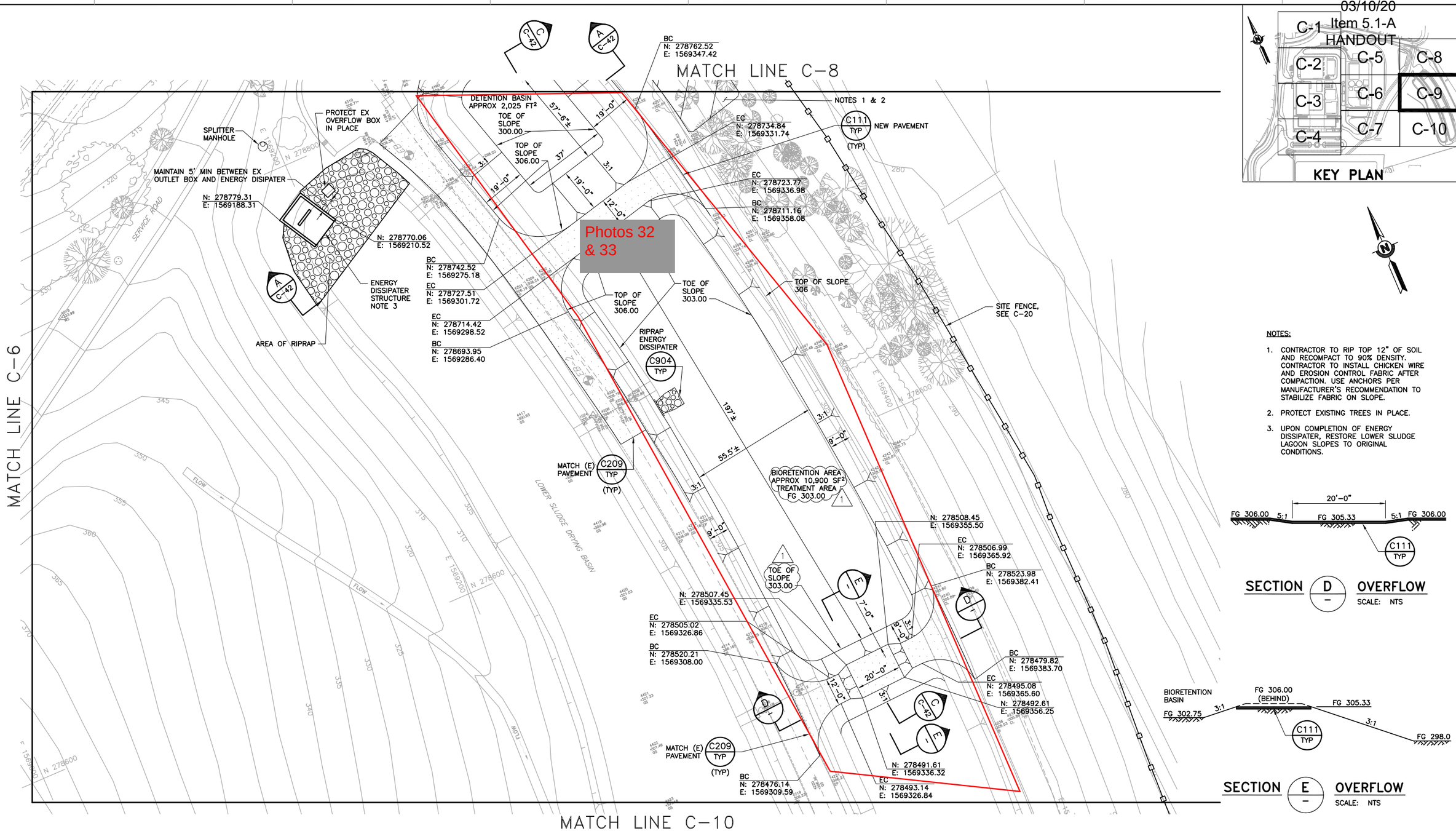
PROJECT NAME AND SHEET DESCRIPTION:

RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT

GRADING, PAVING & DRAINAGE PLAN 8

SCALE: 1" = 20'
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: C-8
PAGE NUMBER: 103 OF 990



NOTES:

1. CONTRACTOR TO RIP TOP 12" OF SOIL AND RECOMPACT TO 90% DENSITY. CONTRACTOR TO INSTALL CHICKEN WIRE AND EROSION CONTROL FABRIC AFTER COMPACTION. USE ANCHORS PER MANUFACTURER'S RECOMMENDATION TO STABILIZE FABRIC ON SLOPE.
2. PROTECT EXISTING TREES IN PLACE.
3. UPON COMPLETION OF ENERGY DISSIPATER, RESTORE LOWER SLUDGE LAGOON SLOPES TO ORIGINAL CONDITIONS.

SECTION D OVERFLOW
SCALE: NTS

SECTION E OVERFLOW
SCALE: NTS

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DOCUMENT NUMBER: RWT-C-9329-51729

REV	DESCRIPTION	DATE	APPR.
1	ADDENDUM NO. 6 REVISIONS	6/15	ML

Amendment One to Contract No. C0601
District/BBI—RWTP Reliability Improvement Project
Version 9 (03/09/20)
MC14488
Attachment 1, Page 25

REFERENCE INFORMATION AND NOTES

CDM Smith
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Fax (925) 933-4174

DATE	JUNE 2015
DESIGN	ML
DRAWN	MAR
CHECKED	WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MICHAEL L. BRUNDAGE NO. C 68188 Exp. 9\30\2015 CIVIL STATE OF CALIFORNIA
ENGINEER 6/15/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 6/15/15 DATE

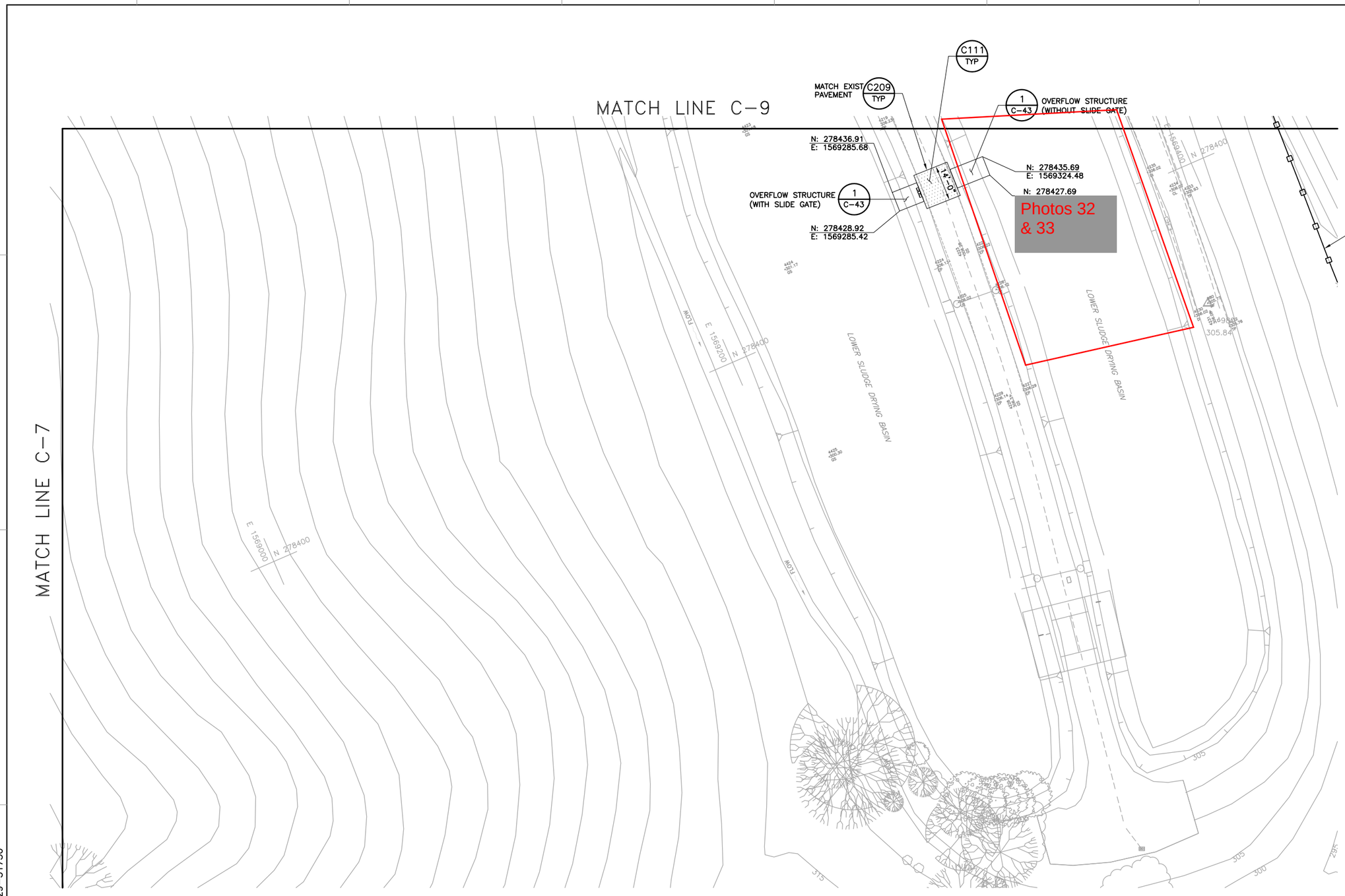
PROJECT NAME AND SHEET DESCRIPTION:

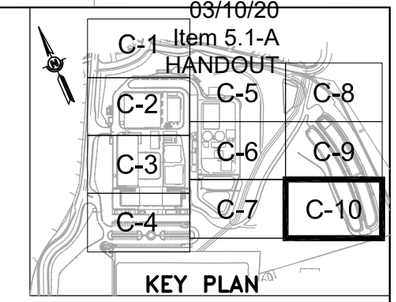
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT

GRADING, PAVING & DRAINAGE PLAN 9

SCALE: 1" = 20'
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: C-9
PAGE NUMBER: 104 OF 990





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DOCUMENT NUMBER: RWT-C-9329-51730

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 26			

CDM Smith
100 Pringle Ave, Suite 300
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Fax (925) 933-4174

DATE JAN 2015
DESIGN ML
DRAWN MAR
CHECKED WDB

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MICHAEL L. BRAUN NO. C 68188 Exp. 9\30\2015 CIVIL STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

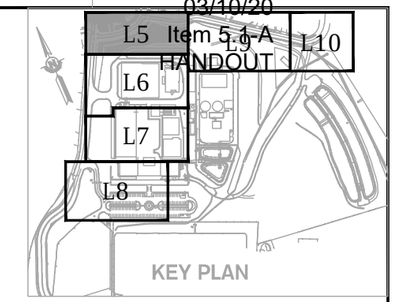
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
GRADING, PAVING & DRAINAGE PLAN 10

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: C-10
PAGE NUMBER: 105 OF 990

Final Site Restoration:
No Planting or Seeding Will Be Performed by BBII, including plantings/seedings of temporary slope disturbances. These will be covered in jute mesh or equivalent.



MATCH LINE L–6

MATCH LINE L–9

SEE SHEET GL–3 FOR PLANTING LEGEND & NOTES

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 27			

SIEGFRIED

DATE	
JAN 2015	
DESIGN	RJN
DRAWN	RJN
CHECKED	PJS

ENGINEERING CERTIFICATION
LICENSED LANDSCAPE ARCHITECT ROBERT J. NORBUTAS JR. No.5595 Signature Exp. 11/30/16 STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
PLANTING PLAN 1

SCALE: 1" = 20'
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 93294057
SHEET CODE: L–5
PAGE NUMBER: 226 OF 990

DOCUMENT NUMBER: RWT–L–9329–51851

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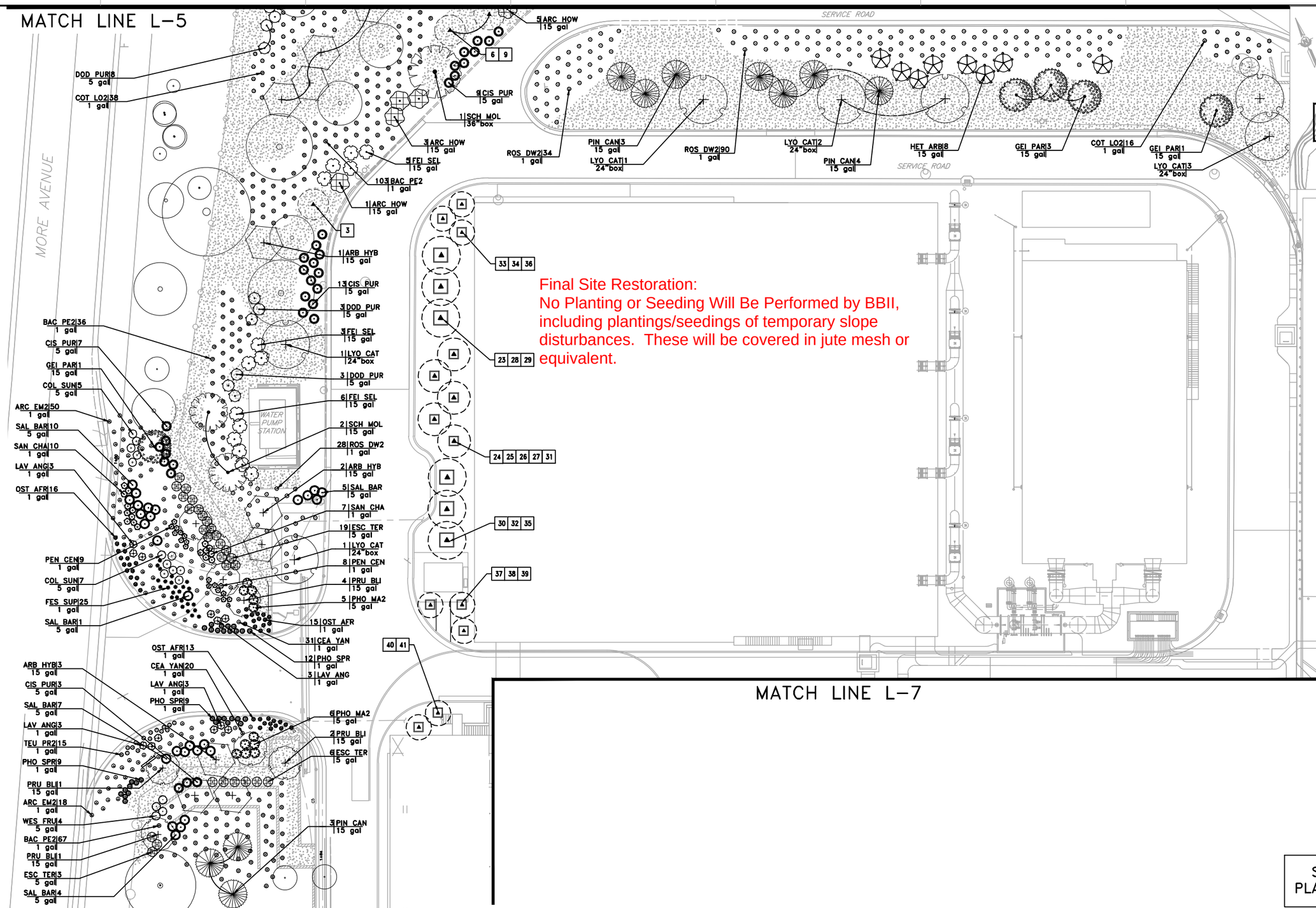

Final Site Restoration:
No Planting or Seeding Will Be Performed by BBII, including plantings/seedings of temporary slope disturbances. These will be covered in jute mesh or equivalent.

SEE SHEET GL-3 FOR PLANTING LEGEND & NOTES

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 28			

SIEGFRIED

DATE JAN 2015
DESIGN RJN
DRAWN RJN
CHECKED PJS

ENGINEERING CERTIFICATION
LICENSED LANDSCAPE ARCHITECT ROBERT J. NORBUTAS JR. No.5595 Signature Exp. 11/30/16 STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
PLANTING PLAN 2

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: L-6
PAGE NUMBER: 227 OF 990

DOCUMENT NUMBER: RWT-L-9329-51852

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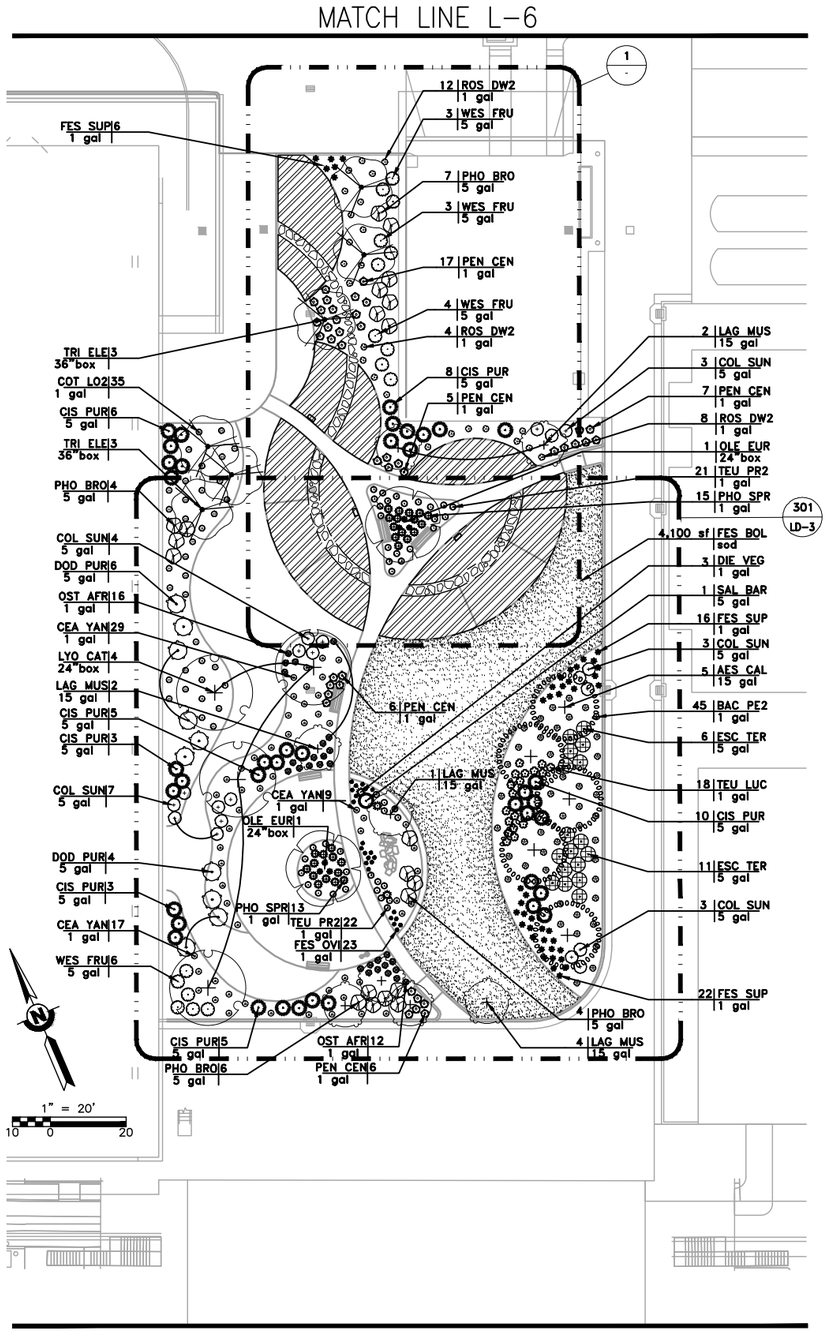
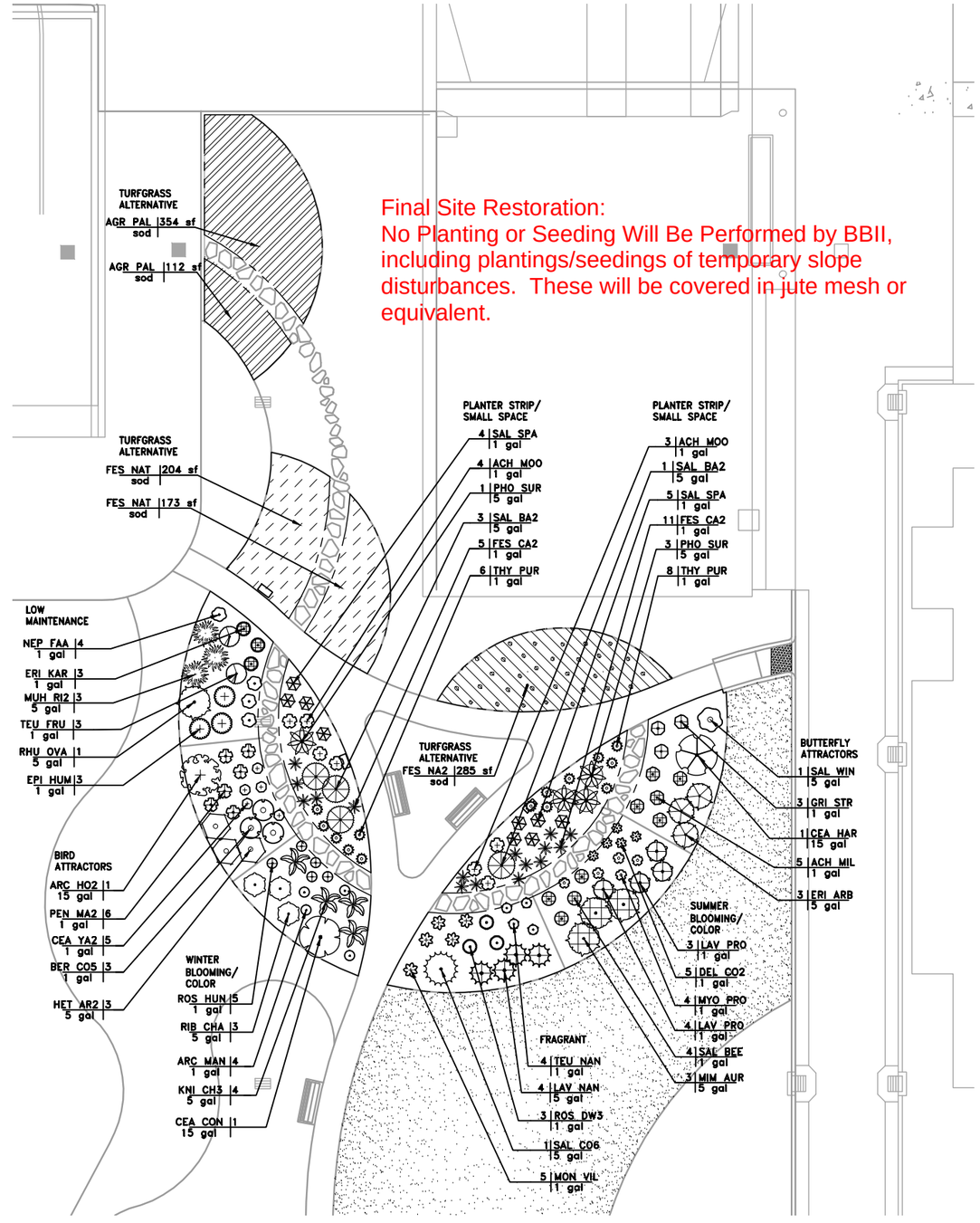
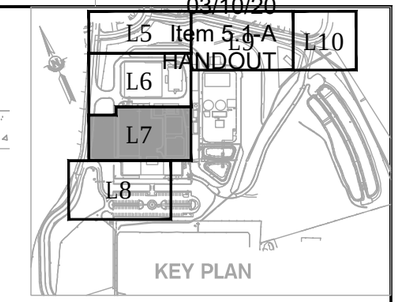




Final Site Restoration:
No Planting or Seeding Will Be Performed by BBII, including plantings/seedings of temporary slope disturbances. These will be covered in jute mesh or equivalent.



1 WATERWISE EDUCATIONAL GARDEN
1"=10'

FOR LEGENDS AND NOTES
SEE SHEET GL-3 FOR PLANTING AND
SHEET GL-4 FOR WATERWISE GARDEN
PLANTING

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 29			

SIEGFRIED

DATE JAN 2015
DESIGN RJN
DRAWN RJN
CHECKED PJS

ENGINEERING CERTIFICATION
LICENSED LANDSCAPE ARCHITECT ROBERT J. NORBUTAS JR. No.5595 Signature Exp. 11/30/16 STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
PLANTING PLAN 3

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: L-7
PAGE NUMBER: 228 OF 990

DOCUMENT NUMBER: RWT-L-9329-51853

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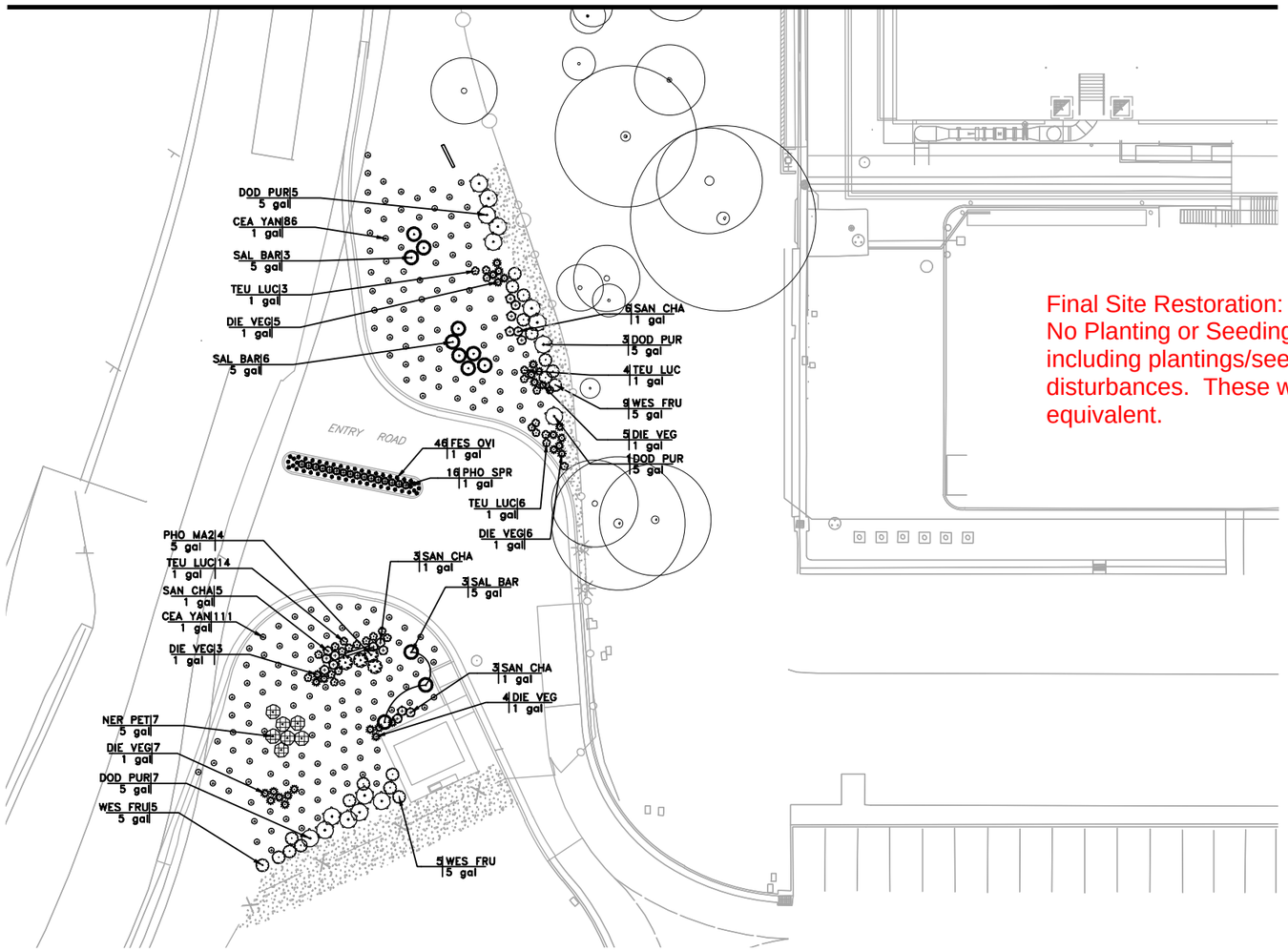
MATCH LINE L–7



Final Site Restoration:
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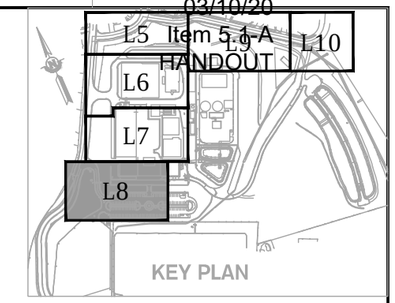

1" = 20'
10 0 20

SEE SHEET GL–3 FOR PLANTING LEGEND & NOTES

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 30			

SIEGFRIED

DATE JAN 2015
DESIGN RJN
DRAWN RJN
CHECKED PJS

ENGINEERING CERTIFICATION
LICENSED LANDSCAPE ARCHITECT ROBERT J. NORBUTAS JR. No.5595 Signature Exp. 11/30/16 STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
PLANTING PLAN 4

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: L–8
PAGE NUMBER: 229 OF 990

DOCUMENT NUMBER: RWT–L–9329–51854

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Final Site Restoration:
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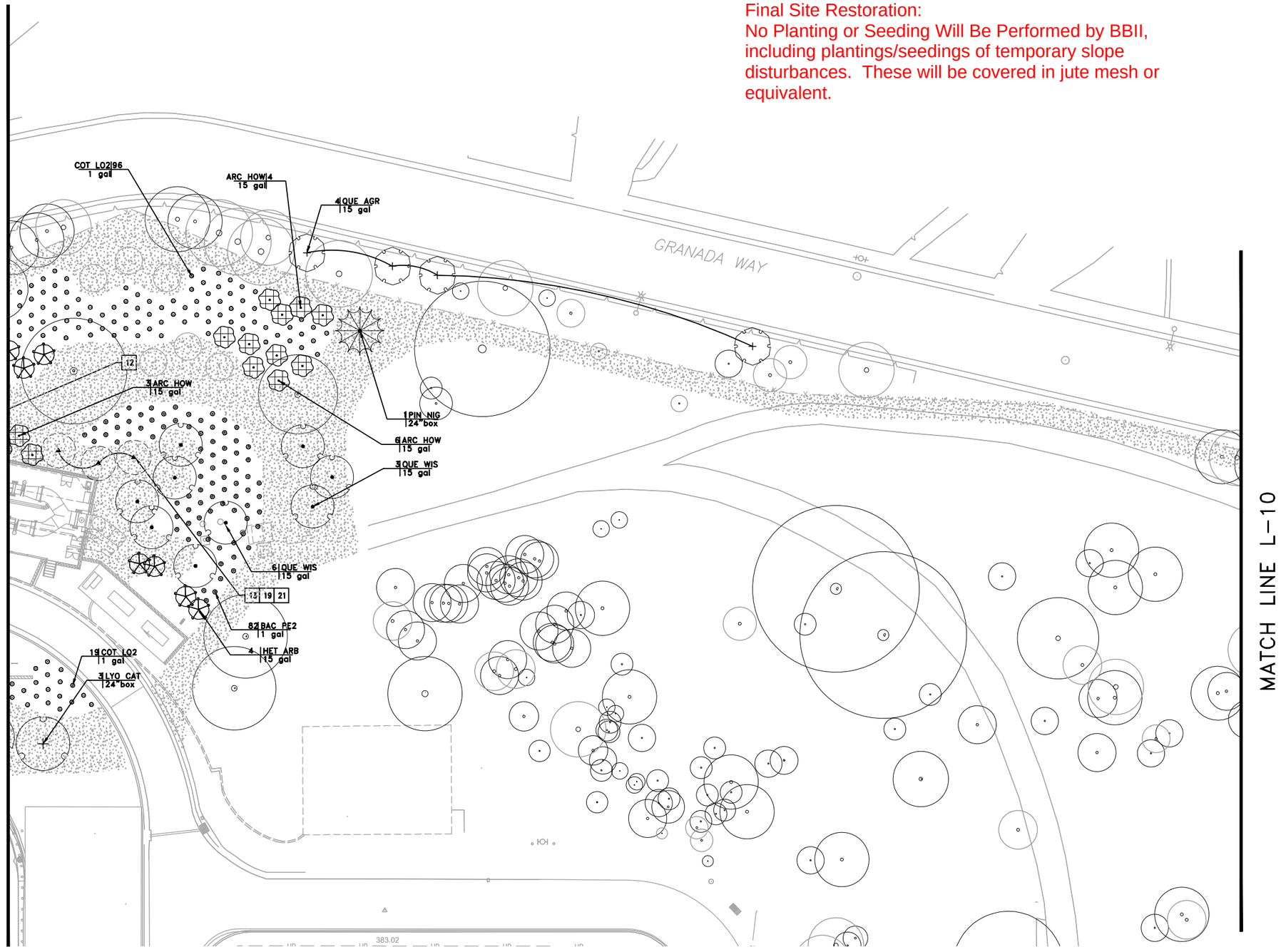

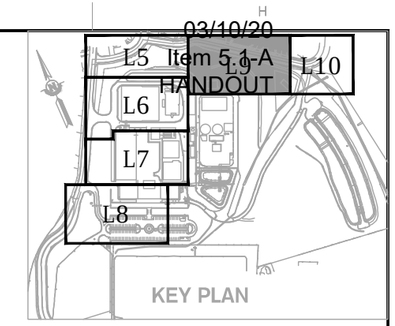

1" = 20'
10 0 20

SEE SHEET GL-3 FOR PLANTING LEGEND & NOTES

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 31			

SIEGFRIED

DATE
JAN 2015
DESIGN
RJN
DRAWN
RJN
CHECKED
PJS

ENGINEERING CERTIFICATION
LICENSED LANDSCAPE ARCHITECT ROBERT J. NORBUTAS JR. No.5595 Signature Exp. 11/30/16 STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
PLANTING PLAN 5

SCALE: 1" = 20'
VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 93294057
SHEET CODE: L-9
PAGE NUMBER: 230 OF 990

DOCUMENT NUMBER: RWT-L-9329-51855

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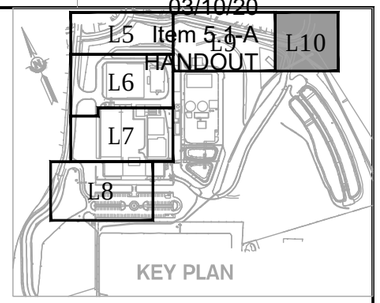
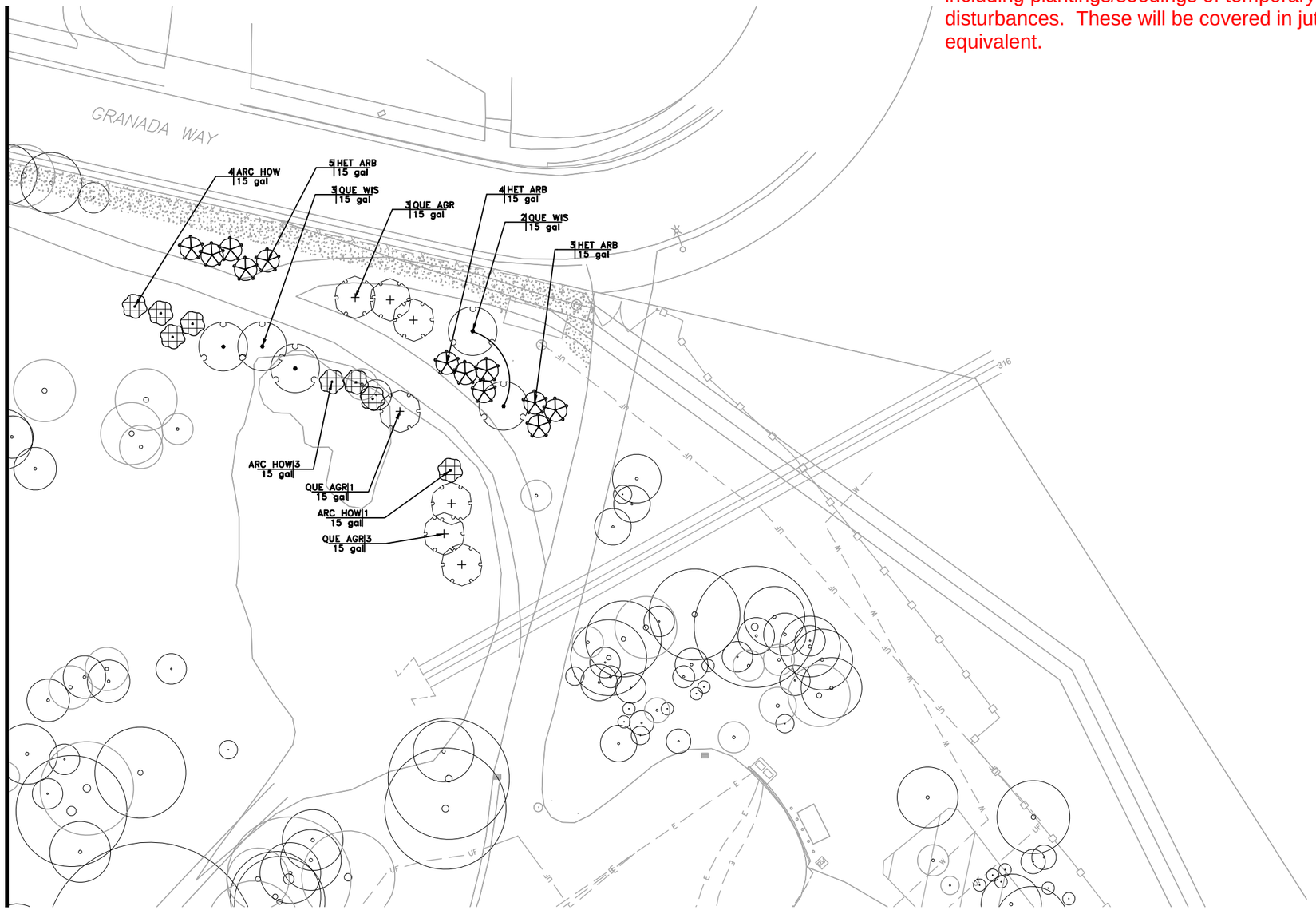
03/10/20
Item 5.1 A
HANDOUT

Final Site Restoration:
No Planting or Seeding Will Be Performed by BBII, including plantings/seedings of temporary slope disturbances. These will be covered in jute mesh or equivalent.





1" = 20'
10 0 20

SEE SHEET GL-3 FOR PLANTING LEGEND & NOTES

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	Amendment One to Contract No. C0601 District/BBI—RWTP Reliability Improvement Project Version 9 (03/09/20) MC14488 Attachment 1, Page 32			

SIEGFRIED

DATE	
JAN 2015	
DESIGN	RJN
DRAWN	RJN
CHECKED	PJS

ENGINEERING CERTIFICATION
LICENSED LANDSCAPE ARCHITECT ROBERT J. NORBUTAS JR. No.5595 Signature Exp. 11/30/16 STATE OF CALIFORNIA
ENGINEER 1/28/15 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER 1/28/15 DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP RELIABILITY IMPROVEMENT PROJECT
PLANTING PLAN 6

SCALE 1" = 20'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 93294057
SHEET CODE: L-10
PAGE NUMBER: 231 OF 990

DOCUMENT NUMBER: RWT-L-9329-51856

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Photo 1
Removal of BBII Materials/Equipment
No Further Improvements
11/20/2019 13:08

Photo 2
Removal of BBII Materials/Equipment
No Further Improvements
ANYU 640011 4
42G1
MAX.GR.
TARE
NET
CU. CAP.
11/20/2019 13:11

Photo 3
Removal of BBII Materials/Equipment
No Further Improvements
11/20/2019 13:12

Photo 4
Removal of BBII Materials/Equipment
No Further Improvements
11/20/2019 13:12

Removal of BBII Materials/Equipment

No Further Improvements

Photo 5

Photo 6
Removal of BBII Materials/Equipment
Trench Plates will be removed and Class II Base placed to match existing.
No Further Improvements
RIGGING
11/20/2019 13:14

Photo 7
Removal of BBII Materials/Equipment
Trench Plates will be removed and Class II Base placed to match existing.
No Further Improvements
11/20/2019 13:15

Photo 8
Removal of BBII Materials/Equipment
Trench Plates will be removed and Class II Base placed to match existing.
No Further Improvements
11/20/2019 13:10

Removal of BBII Connexes/Material

BBII to leave Krail/slope as-is.

Jute Mesh any Disturbed Slopes

No Further Improvements

Photo 9

Photo 10
Removal of BBII
Materials/Equipment
No Further Improvements
11/20/2019 13:12

Photo 11
Removal of BBII Materials/Equipment
No Further Improvements
11/20/2019 13:15

Photo 12

Removal of BBII Materials/Equipment

No Further Improvements

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 13
11/20/2019 12:45

Photo 14
Removal of BBII Materials/Equipment
Trench Plates will be removed and Class II Base placed to match existing.
No Further Improvements
11/20/2019 12:46

Photo 15

Removal of BBII Materials/Equipment

Trench Plates will be removed and Class II Base placed to match existing.

No Further Improvements

Removal of BBII Materials/Equipment

Trench Plates will be removed and Class II Base placed to match existing.

No Further Improvements

Photo 16

Removal of BBII Materials/Equipment

No Further Improvements

Photo 17

Photo 18

Removal of BBII Materials/Equipment

No Further Improvements

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 19
11/20/2019 13:02

Removal of BBII Materials/Equipment

No Further Improvements

Photo 20

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 21
11/20/2019 13:02

Removal of BBII Materials/Equipment

No Further Improvements

Photo 22

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 23
United Rentals
S-60X
11/20/2019 13:04

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 24
11/20/2019 13:04

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 25
CAPITAL
11/20/2019 12:47

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 26
11/20/2019 13:05

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 27
Balfour Beatty
ZERO HARM
MAKE SAFETY PERSONAL
11/20/2019 13:10

Removal of BBII Materials/Equipment

No Further Improvements

Photo 28

Removal of BBII
Materials/Equipment
No Further Improvements
Photo 29
11/20/2019 12:56

Photo 30

Removal of BBII Materials/Equipment

No Further Improvements

Removal of BBII Materials/Equipment

No Further Improvements

Photo 31

Photo 32
Removal of BBII Materials/Equipment
Installation of Jute Mesh on Disturbed Exposed Slopes
No Further Improvements
11/20/2019 12:53

Photo 33

Removal of BBII
Materials/Equipment
Installation of Jute Mesh on
Disturbed Exposed Slopes
No Further Improvements
11/20/2019 12:53

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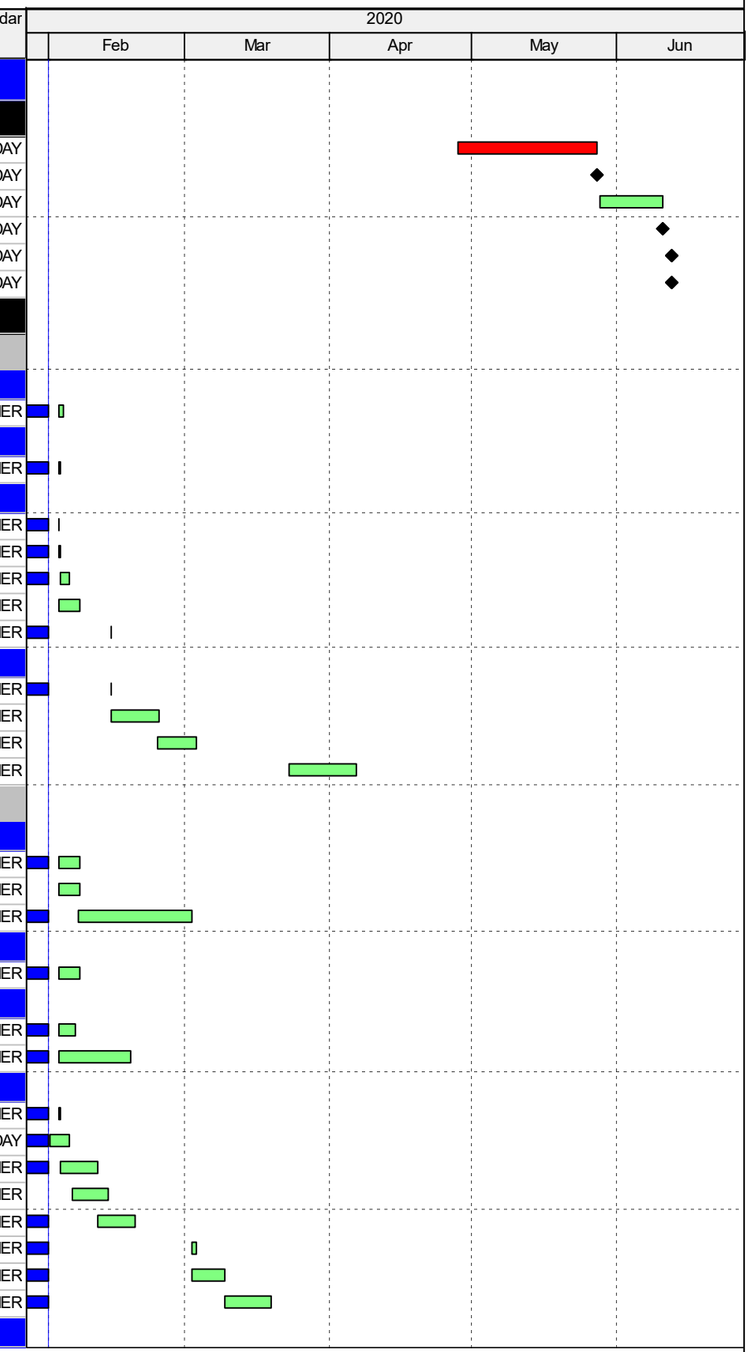
Attachment No. 2 to Amendment One

Project Completion Schedule,
Run Date 04-Feb-20

Rinconada Water Treatment Plant
Reliability Improvement Project, Contract C0601

February 4, 2020

Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
RINCONADA - PROJECT COMPLETION SCHEDULE - UPDATED THROUGH 1/31/2020								
MILESTONES								
PH2-06-7120	Acceptance Test (30-Day)	30	30	0%	28-Apr-20	27-May-20	2	7 DAY
PH2-06-7130	30-DAY ACCEPTANCE TEST COMPLETED (MS #7: 5/27/2020)	0	0	0%		27-May-20	2	7 DAY
MILESTONE-02.2	01140-1.14 S.3 - Interim Operations Requirements (2 Week)	14	14	0%	28-May-20	10-Jun-20	2	7 DAY
MILESTONE-02.3	MILESTONE RW 1 (PH #2 Completion Scheduled Date 6/12/2020)	0	0	0%		10-Jun-20*	2	7 DAY
MILESTONE-06.1	MILESTONE RW 2 (Completion of Ph #6 Site Restoration) (Contractual Date 9/10/2020)	0	0	0%		12-Jun-20*	89	7 DAY
MILESTONE-06.2	MILESTONE RW 3 (Final Inpections / Guaranty / Final Clean) (Contractual Date 10/10/2020)	0	0	0%		12-Jun-20*	120	7 DAY
CONSTRUCTION - REMAINING PHASE #2								
AREA 001 - RAW WATER								
ARCHITECTURAL								
PH2-01-2000	001 - Raw Water - Concrete Finishing – Exterior Rubbed Finish	5	1	75%	20-Mar-19 A	04-Feb-20	74	5 DAY WEATHER
MECHANICAL								
PH2-01-4040	001 - Raw Water - Small Bore Insulation	5	1	90%	02-Sep-19 A	03-Feb-20	56	5 DAY WEATHER
ELECTRICAL								
PH2-01-5020	001 - Raw Water - Install Grounding FIT/ MOV's	2	0	90%	05-Jun-19 A	03-Feb-20	14	5 DAY WEATHER
PH2-01-5080	001 - Raw Water - Energize test and check out	5	0	95%	29-Oct-19 A	03-Feb-20	18	5 DAY WEATHER
PH2-01-5090	001 - Raw Water - ELECTRICAL PUNCH LIST / SHAKEOUT	40	2	95%	15-Jul-19 A	05-Feb-20	18	5 DAY WEATHER
PH2-01-7110	001 - Raw Water - Lighting Fixtures	5	5	0%	03-Feb-20	07-Feb-20	31	5 DAY WEATHER
PH2-01-5100	001 - Raw Water - LOOP test and check out (ORT)	10	1	95%	04-Dec-19 A	14-Feb-20	13	5 DAY WEATHER
START-UP & TRAINING								
PH2-01-7000	001 - Raw Water - Start up & Test 42" Butterfly Valves (Auma Remote Control Station remaining) (SCH FOR 1/8/2020)	5	0	95%	30-Oct-19 A	14-Feb-20	22	5 DAY WEATHER
PH2-01-7045	001 - Raw Water - ORT 42" Butterfly Valves (SCH FOR 1/8/2020)	5	5	0%	14-Feb-20	24-Feb-20	22	5 DAY WEATHER
PH2-01-7040	001 - Raw Water - ORT 42" Ball Valves (SCH FOR 1/8/2020)	5	5	0%	24-Feb-20	03-Mar-20	18	5 DAY WEATHER
PH2-01-7100	001 - Raw Water - PLC 740 Functional Acceptance Test (FAT)	10	10	0%	23-Mar-20	06-Apr-20	5	5 DAY WEATHER
AREA 002 - OZONE CONTACTOR								
ARCHITECTURAL								
PH2-02-2050	002 - Ozone Contactor - Misc. Metals – Grating	10	5	50%	01-Nov-19 A	07-Feb-20	51	5 DAY WEATHER
PH2-02-2090	002 - Ozone Contactor - Roof Appurtenances – Gutters; Scuppers; Downspouts; Conductor Heads; etc.	5	5	0%	03-Feb-20	07-Feb-20	51	5 DAY WEATHER
PH2-02-2030	002 - Ozone Contactor - Entrance Doors & Frames	15	14	10%	27-Jan-20 A	02-Mar-20	26	5 DAY WEATHER
REPAIRS; NCNs; MISC								
PH2-02-3050	002 - Ozone Contactor - NCN #0111 – Ozone Ramp Landing and Ramp Slopes	10	5	50%	11-Mar-19 A	07-Feb-20	70	5 DAY WEATHER
MECHANICAL								
PH2-02-4090	002 - Ozone Contactor - Phase 2 Button-Up	20	4	80%	01-Oct-19 A	06-Feb-20	26	5 DAY WEATHER
PH2-02-4080	002 - Ozone Contactor - Insulate	20	10	50%	02-Jan-20 A	18-Feb-20	46	5 DAY WEATHER
ELECTRICAL								
PH2-02-5120	002 - Ozone Contactor - Install Ozone Alarm devices	5	1	90%	06-May-19 A	03-Feb-20	11	5 DAY WEATHER
PH2-02-5090A	002 - Ozone Contactor - Fabrication CCTV Equipment (***Ready for Delivery)	30	5	83.33%	01-Jul-19 A	05-Feb-20	67	7 DAY
PH2-02-5130	002 - Ozone Contactor - ELECTRICAL PUNCH LIST / SHAKE OUT	40	6	85%	11-Sep-19 A	11-Feb-20	11	5 DAY WEATHER
PH2-02-5090B	002 - Ozone Contactor - Install CCTV Equipment	5	5	0%	06-Feb-20	13-Feb-20	41	5 DAY WEATHER
PH2-02-5140	002 - Ozone Contactor - LOOP test and check out (ORT)	16	4	75%	04-Dec-19 A	19-Feb-20	11	5 DAY WEATHER
PH2-02-5100	002 - Ozone Contactor - Install Fire Alarm Devices / Terminate FACP	5	1	75%	27-May-19 A	03-Mar-20	37	5 DAY WEATHER
PH2-02-5110	002 - Ozone Contactor - Install door security / Terminate special systems panel	7	5	25%	27-May-19 A	09-Mar-20	26	5 DAY WEATHER
PH2-02-5080	002 - Ozone Contactor - Install wiring /CCTV/ FA / SECURITY	14	7	50%	27-May-19 A	19-Mar-20	26	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								



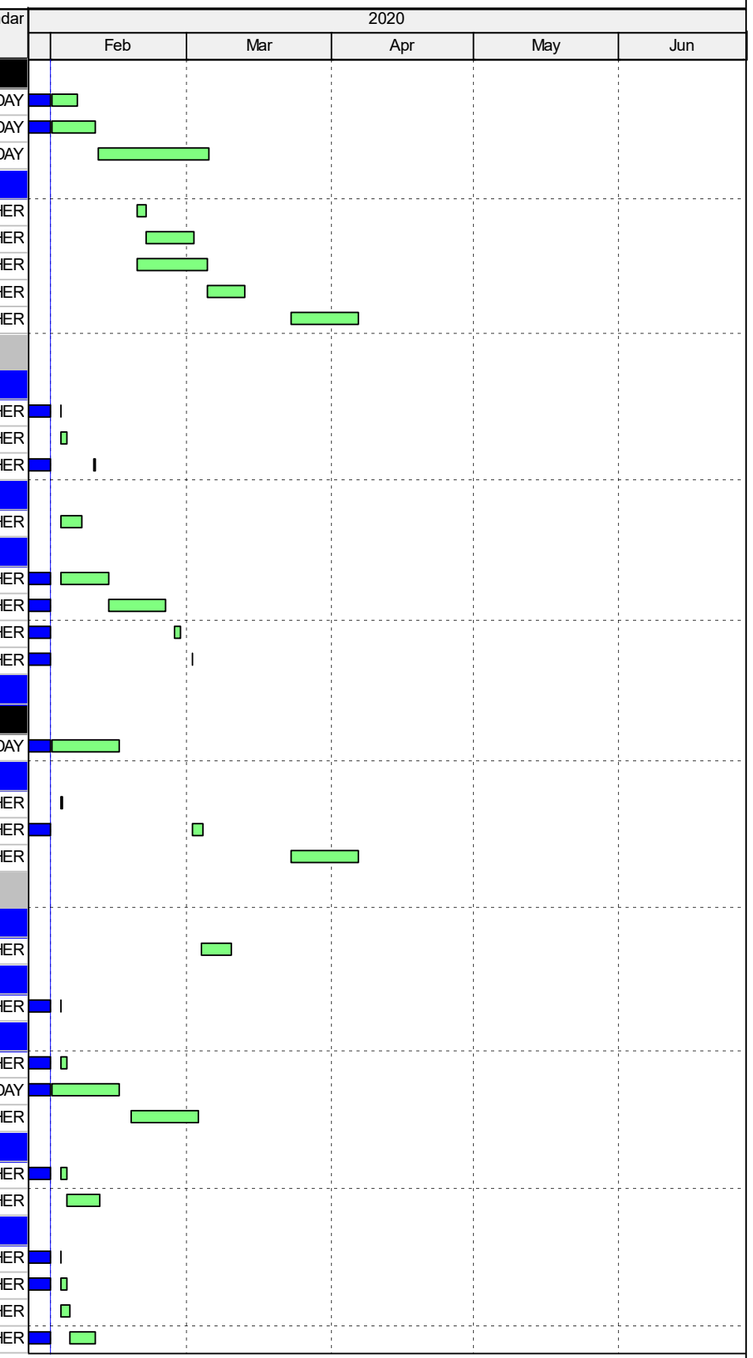
DATA DATE: 01-Feb-20
FINISH DATE: 12-Jun-20
RUN DATE: 04-Feb-20

Remaining Level of Effort
Critical Re...
Actual Work
Milestone
Remaining Work

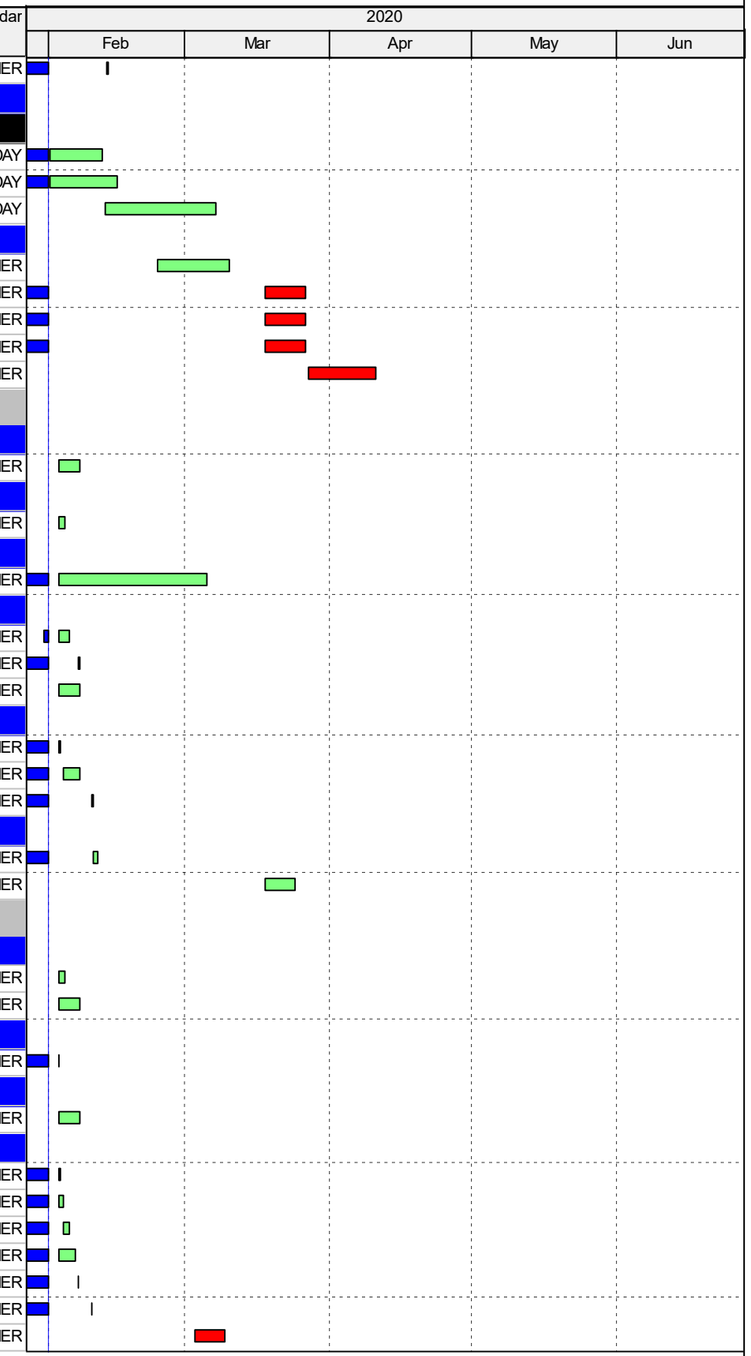
TASK filter: REMAINING ACTIVITIES.

Date	Revision	Checked	Approved

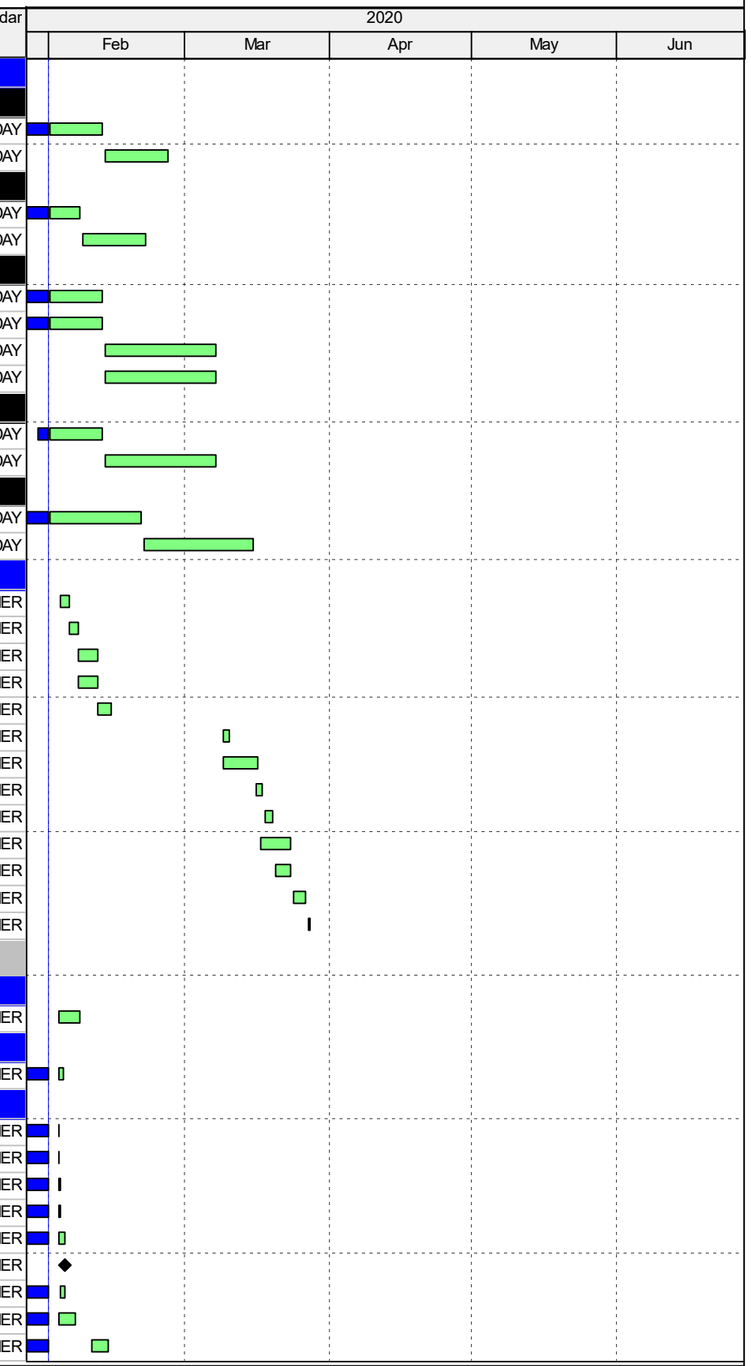
Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
01756								
PH2-02-6070	002 - Ozone Contactor - Neal/TSI provide Area 2 inserts for Area 2; 01756 Start up Binder	60	6	90%	01-Apr-19 A	06-Feb-20	83	7 DAY
PH2-02-6152	002 - Ozone Contactor - 01756-10.2 Area 2 Start up Plan Binder - Assemble & Submit	20	10	50%	20-Jan-20 A	10-Feb-20	55	7 DAY
PH2-02-6153	002 - Ozone Contactor - 01756-10.2 Area 2 Start up Plan Binder - EOR Review & Approval (R&R 1/20/20)	24	24	0%	11-Feb-20	05-Mar-20	55	7 DAY
START-UP & TRAINING								
PH2-02-7030	002 - Ozone Contactor - Sample Pumps 11217	2	2	0%	19-Feb-20	21-Feb-20	19	5 DAY WEATHER
PH2-02-7010	002 - Ozone Contactor - ORT Sample Return Pumps 11217	5	5	0%	21-Feb-20	02-Mar-20	19	5 DAY WEATHER
PH2-02-7040	002 - Ozone Contactor - Start up & Test Muniquip 11217 San Sump Pumps (with Raw Water) (SCH FOR 2/4/20)	10	10	0%	19-Feb-20	05-Mar-20	11	5 DAY WEATHER
PH2-02-7020	002 - Ozone Contactor - ORT Muniquip 11217 Sanitary Sump Pumps	5	5	0%	05-Mar-20	13-Mar-20	11	5 DAY WEATHER
PH2-02-7050	002 - Ozone Contactor - PLC 740 Functional Acceptance Test (FAT)	10	10	0%	23-Mar-20	06-Apr-20	5	5 DAY WEATHER
AREA 005 - FLASH MIX								
ARCHITECTURAL								
PH2-05-2000	005 - Flash Mix - Coats/Paints – Chemical Resistance Coating	20	0	99%	01-Feb-19 A	03-Feb-20	33	5 DAY WEATHER
PH2-05-2040	005 - Flash Mix - Roof Appurtenances – Bird Netting	2	2	0%	03-Feb-20	04-Feb-20	22	5 DAY WEATHER
PH2-05-2010	005 - Flash Mix - Coats/Paints – Water Repellents	10	1	90%	01-Feb-19 A	10-Feb-20	69	5 DAY WEATHER
MECHANICAL								
PH2-05-4020	005 - Flash Mix - Pipe Insulation	5	5	0%	03-Feb-20	07-Feb-20	69	5 DAY WEATHER
ELECTRICAL								
PH2-05-5020	005 - Flash Mix - Install conduit lighting / power devices (Flash Mix/ LDV-1)	10	8	25%	16-Sep-19 A	13-Feb-20	16	5 DAY WEATHER
PH2-05-5030	005 - Flash Mix - Install lighting / power devices (Flash Mix/ LDV-1)	10	8	25%	16-Jan-20 A	25-Feb-20	16	5 DAY WEATHER
PH2-05-5105	005 - Flash Mix - ELECTRICAL PUNCH LIST / SHAKEOUT	40	2	95%	15-Jul-19 A	28-Feb-20	16	5 DAY WEATHER
PH2-05-5110	005 - Flash Mix - Loop test and check out (ORT)	7	0	95%	03-Dec-19 A	02-Mar-20	16	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-05-6040	005 - Flash Mix - Neal/TSI provide Area 5 inserts for Area 5; 01756 Start up Binder	60	15	75%	01-Apr-19 A	15-Feb-20	39	7 DAY
START-UP & TRAINING								
PH2-05-7035	005 - Flash Mix - Training Monorail (Ops/Maint.)	1	1	0%	03-Feb-20	03-Feb-20	55	5 DAY WEATHER
PH2-05-7020	005 - Flash Mix - Operational Readiness Test (ORT)	5	3	50%	06-Jan-20 A	04-Mar-20	16	5 DAY WEATHER
PH2-05-7050	005 - Flash Mix - PLC 740 Functional Acceptance Test (FAT) (with Ozone)	10	10	0%	23-Mar-20	06-Apr-20	5	5 DAY WEATHER
AREA 006 - FLOC / SED								
STRUCTURAL								
PH2-06-1000	006 - Floc/Sed - Grouts – 54"-WW/OF Chamber (7 Days prior to Disinfect)	5	5	0%	04-Mar-20	10-Mar-20	12	5 DAY WEATHER
ARCHITECTURAL								
PH2-06-2040	006 - Floc/Sed - Misc. Metals – Grating	5	0	95%	31-Oct-19 A	03-Feb-20	56	5 DAY WEATHER
REPAIRS; NCNs; MISC								
PH2-06-3130	006 - Floc/Sed - Washdown & Title 22 Testing & Disinfect Basins (incl Lab & District Approval) (***Tied to NCN #113)	20	2	90%	13-Nov-19 A	04-Feb-20	20	5 DAY WEATHER
PH2-06-3050A	006 - Floc/Sed - NCN #0113 – EOR Approval of CAP	30	15	50%	01-Feb-19 A	15-Feb-20	19	7 DAY
PH2-06-3050B	006 - Floc/Sed - NCN #0113 – Floc/Sed Overflow Channel Elevation	10	10	0%	18-Feb-20	03-Mar-20	12	5 DAY WEATHER
MECHANICAL								
PH2-06-4040	006 - Floc/Sed - Insulate Small Bore	30	2	95%	04-Feb-19 A	04-Feb-20	19	5 DAY WEATHER
PH2-06-4020	006 - Floc/Sed - Mech Coatings (Mostly Touch-Ups)	5	5	0%	04-Feb-20	11-Feb-20	50	5 DAY WEATHER
ELECTRICAL								
PH2-06-5090	006 - Floc/Sed - Wire & Terminate leak detection/sump control panels / devices	5	0	95%	24-Jun-19 A	03-Feb-20	20	5 DAY WEATHER
PH2-06-5125	006 - Floc/Sed - ELECTRICAL PUNCH LIST / SHAKEOUT	40	2	95%	01-Jul-19 A	04-Feb-20	34	5 DAY WEATHER
PH2-06-5100	006 - Floc/Sed - Install CCTV conduit / equipment	2	2	0%	03-Feb-20	05-Feb-20	30	5 DAY WEATHER
PH2-06-5110	006 - Floc/Sed - Install PA system / special systems panel	5	4	30%	20-May-19 A	10-Feb-20	30	5 DAY WEATHER



Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
PH2-06-5130	006 - Floc/Sed - Loop Test and Check Out (ORT)	11	1	95%	04-Dec-19 A	13-Feb-20	12	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-06-6092	006 - Floc/Sed - 01756-4.3 Area 6 System Start up Plan Binder - Assemble & Submit	20	12	40%	31-Dec-19 A	12-Feb-20	53	7 DAY
PH2-06-6040	006 - Floc/Sed - Neal/TSI provide Area 6 inserts for Area 6; 01756 Start up Binder	60	15	75%	01-Apr-19 A	15-Feb-20	53	7 DAY
PH2-06-6093	006 - Floc/Sed - 01756-4.3 Area 6 System Start up Plan Binder - EOR Review & Approval (R&R 12/31/2019)	24	24	0%	13-Feb-20	07-Mar-20	53	7 DAY
START-UP & TRAINING								
PH2-06-7050	006 - Floc/Sed - Start up & Test Muniquip 11217 Pumps (Copi ORT) (SCH FOR 2/4/2020)	10	10	0%	24-Feb-20	10-Mar-20	7	5 DAY WEATHER
PH2-06-7060	006 - Floc/Sed - Start up / Test /Train Plate Settlers - ORT per 11277-1.1 (Ops/Maint.) (SCH FOR 3/25 & 3/26/2020)	10	6	40%	05-Nov-19 A	26-Mar-20	2	5 DAY WEATHER
PH2-06-7080	006 - Floc/Sed - Start up / Test / Train Sludge Collectors - ORT per 11350 (Maint.) (SCH FOR 3/25 & 3/26/2020)	10	6	40%	05-Nov-19 A	26-Mar-20	2	5 DAY WEATHER
PH2-06-7080A	006 - Floc/Sed - Start up / Test / Train Sludge Collectors - ORT per 11350 (Ops) (SCH FOR 3/25 & 3/26/2020)	10	6	40%	05-Nov-19 A	26-Mar-20	2	5 DAY WEATHER
PH2-06-7100	006 - Floc/Sed - PLC 740 Functional Acceptance Test (FAT)	10	10	0%	27-Mar-20	10-Apr-20	2	5 DAY WEATHER
AREA 008 - WASHWATER								
STRUCTURAL								
PH2-08-1040	008 - Washwater - OF Channel Sloping Grout	5	5	0%	03-Feb-20	07-Feb-20	26	5 DAY WEATHER
ARCHITECTURAL								
PH2-08-2000	008 - Washwater - Misc. Metals – Anti-Vortex Cover	2	2	0%	03-Feb-20	04-Feb-20	54	5 DAY WEATHER
REPAIRS; NCNs; MISC								
PH2-08-3070	008 - Washwater - NCN #0155 – WWRF VTP vs. Wall Clearances CAP Prep/Submit	30	21	30%	02-Oct-19 A	05-Mar-20	35	5 DAY WEATHER
MECHANICAL								
PH2-08-4010	008 - Washwater - Mech Coatings	5	3	50%	31-Jan-20 A	05-Feb-20	28	5 DAY WEATHER
PH2-08-4040	008 - Washwater - Mech Button Up	10	1	90%	08-Jul-19 A	07-Feb-20	25	5 DAY WEATHER
PH2-08-4030	008 - Washwater - Small Bore Insulate	5	5	0%	03-Feb-20	07-Feb-20	25	5 DAY WEATHER
ELECTRICAL								
PH2-08-5090	008 - Washwater - Install CCTV conduit / equipment	2	1	50%	09-Sep-19 A	03-Feb-20	24	5 DAY WEATHER
PH2-08-5125	008 - Washwater - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	07-Feb-20	24	5 DAY WEATHER
PH2-08-5130	008 - Washwater - Loop test and check out (ORT)	12	1	95%	02-Oct-19 A	10-Feb-20	24	5 DAY WEATHER
START-UP & TRAINING								
PH2-08-7031	008 - Washwater - ORT 11217 Sump Pumps	5	1	80%	04-Nov-19 A	11-Feb-20	24	5 DAY WEATHER
PH2-08-7044	008 - Washwater - PLC 720 Functional Acceptance Test (FAT)	5	5	0%	18-Mar-20	24-Mar-20	3	5 DAY WEATHER
AREA 013 - ELECTRICAL PAD								
STRUCTURAL								
PH2-13-1000	013 - Electrical Pad - Concrete Finishing – Rubbed Finish	2	2	0%	03-Feb-20	04-Feb-20	73	5 DAY WEATHER
PH2-13-1010	013 - Electrical Pad - Grouts – Electrical & Walkway Items	5	5	0%	03-Feb-20	07-Feb-20	14	5 DAY WEATHER
ARCHITECTURAL								
PH2-13-2000	013 - Electrical Pad - Misc. Metals – Cable Trench Cover Plates	1	0	75%	01-Aug-19 A	03-Feb-20	56	5 DAY WEATHER
REPAIRS; NCNs; MISC								
PH2-13-3010	013 - Electrical Pad - NCN #0102 – Area 13 and Area 16 Electrical Enclosure Installation	5	5	0%	03-Feb-20	07-Feb-20	51	5 DAY WEATHER
ELECTRICAL								
PH2-13-5190A	013 - Electrical Pad - Loop Test and Check Out (ORT)	14	1	95%	30-Sep-19 A	03-Feb-20	9	5 DAY WEATHER
PH2-13-5150	013 - Electrical Pad - Install CCTV conduit / equipment	5	1	75%	12-Jul-19 A	04-Feb-20	16	5 DAY WEATHER
PH2-13-5160	013 - Electrical Pad - Install PA system / special systems panel	6	2	75%	01-Jun-19 A	05-Feb-20	16	5 DAY WEATHER
PH2-13-5185	013 - Electrical Pad - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	03-Jun-19 A	06-Feb-20	15	5 DAY WEATHER
PH2-13-5190B	013 - Electrical Pad - Loop Test and Check Out (ORT) - EGEN 2 / EGEN 3	4	0	95%	27-Jan-20 A	07-Feb-20	15	5 DAY WEATHER
PH2-13-4060	013 - Fuel Oil System - Loop Test and Check Out (ORT)	5	0	95%	09-Jan-20 A	10-Feb-20	14	5 DAY WEATHER
PH2-13-5200	013 - Electrical Pad - Functional Acceptance Test (FAT) (POPS-171)(Revised to 3/3/2020 TO 3/9/2020)	5	5	0%	03-Mar-20	09-Mar-20	1	5 DAY WEATHER



Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
O&M; TRAINING & START-UP PLANS								
13123								
PH2-13-0015	013 - Electrical Pad - Power Equip & Control Enclosures - 13123-5.10 - Prepare & Resubmittal	20	12	40%	22-Jan-20 A	12-Feb-20	6	7 DAY
PH2-13-0016	013 - Electrical Pad - Power Equip & Control Enclosures - 13123-5.10 - EOR Review & Approval	14	14	0%	13-Feb-20	26-Feb-20	6	7 DAY
13410								
PH2-13-7081	013 - Electrical Pad - PLC 720 FAT Test Plan (13490-15.1) - Prepare & Resubmittal (EST 2/7/2020)	40	7	82.5%	27-Dec-19 A	07-Feb-20	10	7 DAY
PH2-13-7082	013 - Electrical Pad - PLC 720 FAT Test Plan (13490-15.1) - EOR Review & Approval	14	14	0%	08-Feb-20	21-Feb-20	10	7 DAY
15590								
PH2-13-6002	013 - Electrical Pad - Fuel Tank and System 15590-12.2 - O&M - Prepare & Submittal	20	12	40%	21-Jan-20 A	12-Feb-20	38	7 DAY
PH2-13-6022	013 - Electrical Pad - Fuel Tank and System - 15590-11.1 - Start up Plans - Prepare & Submittal	20	12	40%	24-Jan-20 A	12-Feb-20	38	7 DAY
PH2-13-6003	013 - Electrical Pad - Fuel Tank and System 15590-12.2 - O&M - EOR Review & Approval	24	24	0%	13-Feb-20	07-Mar-20	38	7 DAY
PH2-13-6023	013 - Electrical Pad - Fuel Tank and System - 15590-11.1 - Start up Plans - EOR Review & Approval	24	24	0%	13-Feb-20	07-Mar-20	38	7 DAY
16230								
PH2-13-6174	013 - Electrical Pad - Diesel Gen-Standby 3250 Kw (EGEN-2) - 16230-10.5 - O&M - Prepare & Re-Submit	20	12	40%	30-Jan-20 A	12-Feb-20	38	7 DAY
PH2-13-6175	013 - Electrical Pad - Diesel Gen-Standby 3250 Kw (EGEN-2) - 16230-10.5 - O&M - EOR Review & Approval	24	24	0%	13-Feb-20	07-Mar-20	38	7 DAY
16350 - MEDIUM VOLTAGE SWITCHGEAR								
PH2-13-6276	013 - Electrical Enclosure - Switchgear; Protect Relaying - 16350-10.3 - Training Plan - Prepare & Re-Submit	20	20	0%	26-Nov-19 A	20-Feb-20	31	7 DAY
PH2-13-6277	013 - Electrical Enclosure - Switchgear; Protect Relaying - 16350-10.3 - Training Plan - EOR Review & Approval	24	24	0%	21-Feb-20	15-Mar-20	31	7 DAY
START-UP & TRAINING								
PH2-13-7031	013 - Electrical Pad - Ph 2 Process Instrumentation Training - 13410-85 (SCH FOR 2/11 & 2/12/2020)	2	2	0%	03-Feb-20	05-Feb-20	38	5 DAY WEATHER
PH2-13-7032	013 - Electrical Pad - Ph 2 Control Panels Training - 13410-87 (SCH FOR 2/11 & 2/12/2020)	2	2	0%	05-Feb-20	07-Feb-20	38	5 DAY WEATHER
PH2-13-7033	013 - Electrical Pad - Ph 2 Programming Training - 13410	2	2	0%	07-Feb-20	11-Feb-20	38	5 DAY WEATHER
PH2-13-7033A	013 - Electrical Pad - Ph 2 HMI Training - 13410-92	2	2	0%	07-Feb-20	11-Feb-20	38	5 DAY WEATHER
PH2-13-7034	013 - Electrical Pad - Misc Electrical Equipment 16145 - Training (Maint.)	2	2	0%	11-Feb-20	14-Feb-20	38	5 DAY WEATHER
PH2-13-7020	013 - Electrical Pad - Fuel Tank and System -15590- Training (Ops/Maint.)	2	2	0%	09-Mar-20	10-Mar-20	32	5 DAY WEATHER
PH2-13-7000	013 - Electrical Pad - Fuel Tank and System - ORT	5	5	0%	09-Mar-20	16-Mar-20	24	5 DAY WEATHER
PH2-13-7037	013 - Electrical Enclosure - Switchgear; Protect Relaying - 16350-10 - Training (Maint.)	2	2	0%	16-Mar-20	17-Mar-20	21	5 DAY WEATHER
PH2-13-7037A	013 - Electrical Enclosure - Switchgear; Protect Relaying - 16350-10 - Training (Ops)	2	2	0%	18-Mar-20	19-Mar-20	21	5 DAY WEATHER
PH2-13-7040	013 - Electrical Pad / Fuel System - PLC 720 Functional Acceptance Test (FAT)	5	5	0%	17-Mar-20	23-Mar-20	24	5 DAY WEATHER
PH2-13-7038	013 - Electrical Pad - Unit Substation 16360 - Training (Maint.)	2	2	0%	20-Mar-20	23-Mar-20	21	5 DAY WEATHER
PH2-13-7039	013 - Electrical Pad - 480V Switchgear 16436 - Training (Maint.)	2	2	0%	24-Mar-20	26-Mar-20	21	5 DAY WEATHER
PH2-13-7039.1	013 - Electrical Pad - MCC's 16442 - Training (Maint.)	1	1	0%	27-Mar-20	27-Mar-20	21	5 DAY WEATHER
AREA 016 - ELECTRICAL ENCLOSURE								
STRUCTURAL								
PH2-16-1000	016 - Electrical Enclosure - Grouts – Electrical Items	5	5	0%	03-Feb-20	07-Feb-20	12	5 DAY WEATHER
REPAIRS; NCNs; MISC								
PH2-16-3000	016 - Electrical Enclosure - NCN # 102 – Area 13 and Area 16 Electrical Enclosure Installation	5	1	75%	03-Dec-19 A	04-Feb-20	16	5 DAY WEATHER
ELECTRICAL								
PH2-16-5090	016 - Electrical Enclosure - Fiber Optic Test check out verify link to SCADA	4	0	95%	16-Aug-19 A	03-Feb-20	17	5 DAY WEATHER
PH2-16-5085.1	016 - Electrical Enclosure - PLC 740 Punchlist	7	0	95%	14-Nov-19 A	03-Feb-20	4	5 DAY WEATHER
PH2-16-5030	016 - Electrical Enclosure - Wire & Terminations UPS/ Battery	12	1	95%	24-Oct-19 A	03-Feb-20	16	5 DAY WEATHER
PH2-16-5100	016 - Electrical Enclosure - Install CCTV conduit / equipment	3	1	80%	29-Jul-19 A	03-Feb-20	34	5 DAY WEATHER
PH2-16-5085.2	016 - Electrical Enclosure - PLC 740 Program Install ORT Prep (EST 12/16 - 12/20; PART 2 1/6 TO 1/17/2020)	20	1	95%	02-Dec-19 A	04-Feb-20	29	5 DAY WEATHER
PH2-16-5086	016 - Electrical Enclosure - PLC 740 Program Simulation Completed & Installed (Target 1/17/2020)	0	0	0%		04-Feb-20	29	5 DAY WEATHER
PH2-16-5110	016 - Electrical Enclosure - Install PA system / special systems panel	4	1	75%	07-Aug-19 A	04-Feb-20	34	5 DAY WEATHER
PH2-16-5135	016 - Electrical Enclosure - ELECTRICAL PUNCH LIST / SHAKE OUT	40	4	90%	03-Jun-19 A	06-Feb-20	17	5 DAY WEATHER
PH2-16-5140	016 - Electrical Enclosure - Loop Test and Check out (ORT)	12	3	75%	02-Dec-19 A	13-Feb-20	12	5 DAY WEATHER



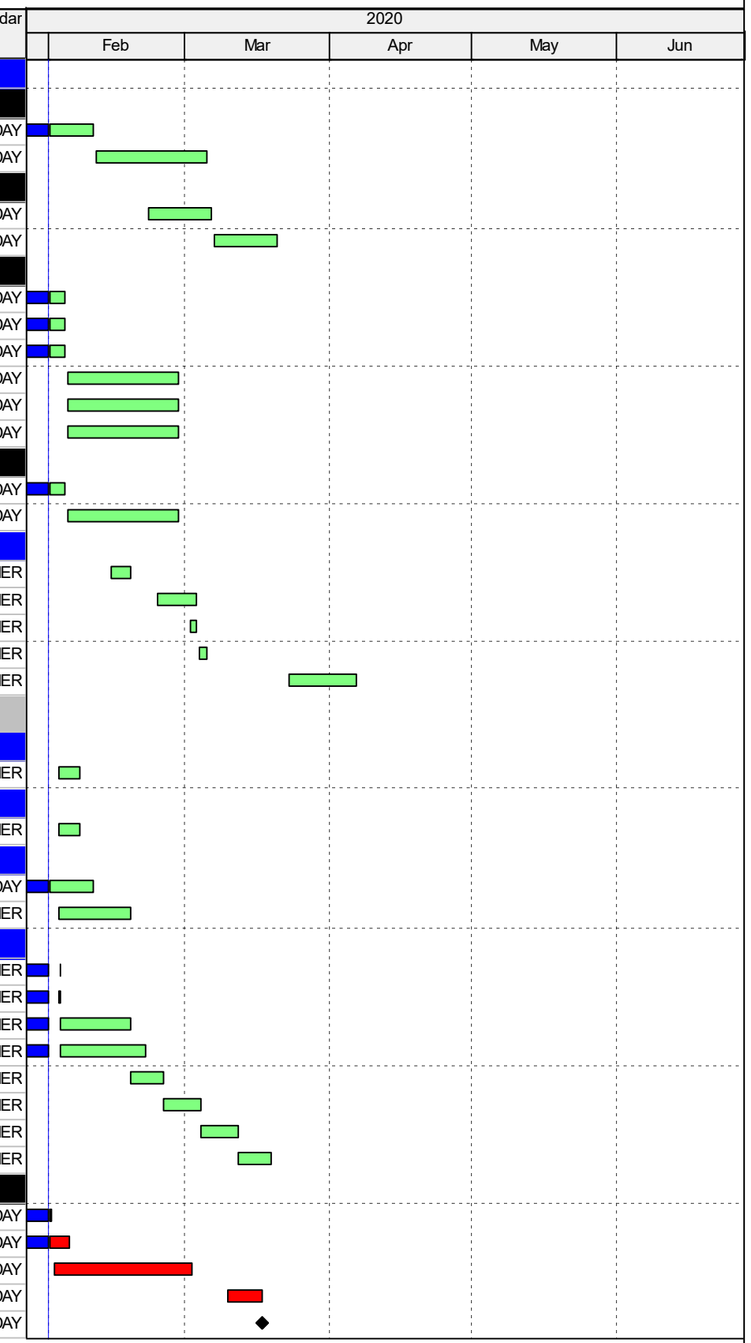
DATA DATE: 01-Feb-20
FINISH DATE: 12-Jun-20
RUN DATE: 04-Feb-20

Remaining Level of Effort
Critical Re...
Actual Work
Milestone
Remaining Work

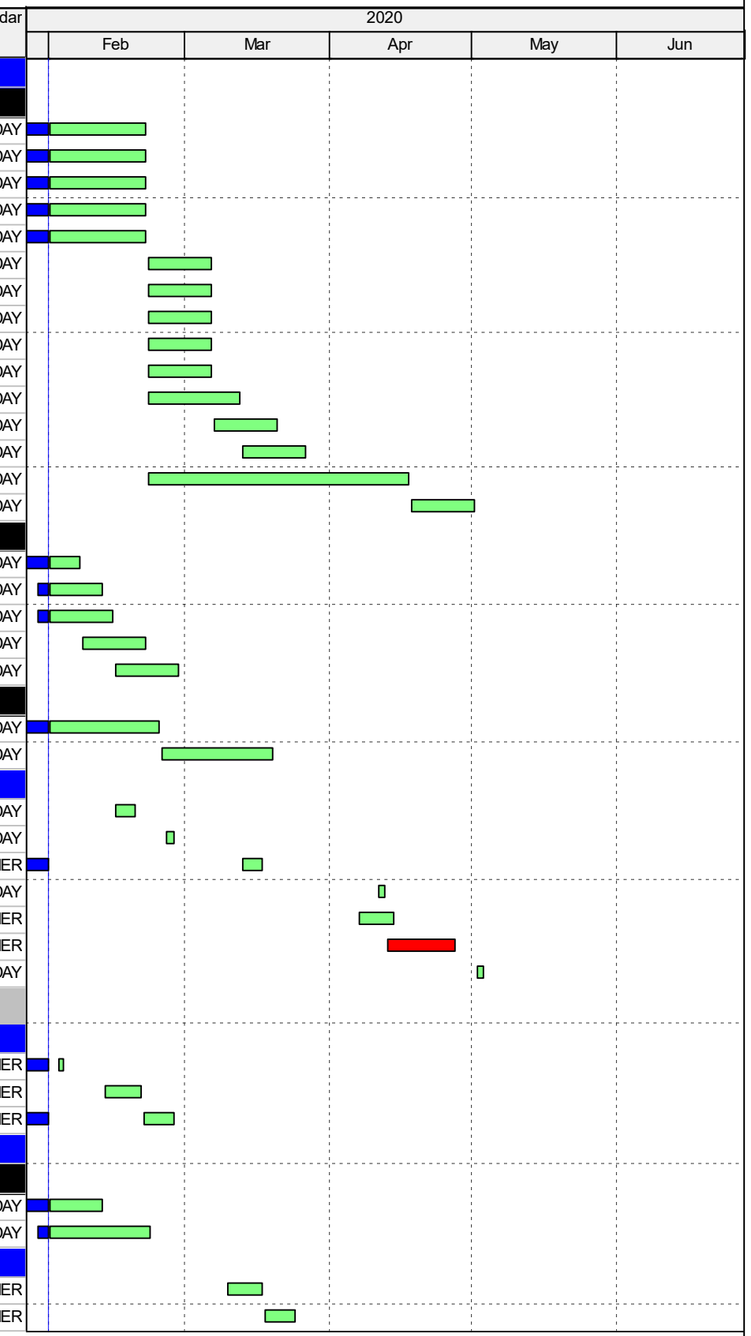
TASK filter: REMAINING ACTIVITIES.

Date	Revision	Checked	Approved

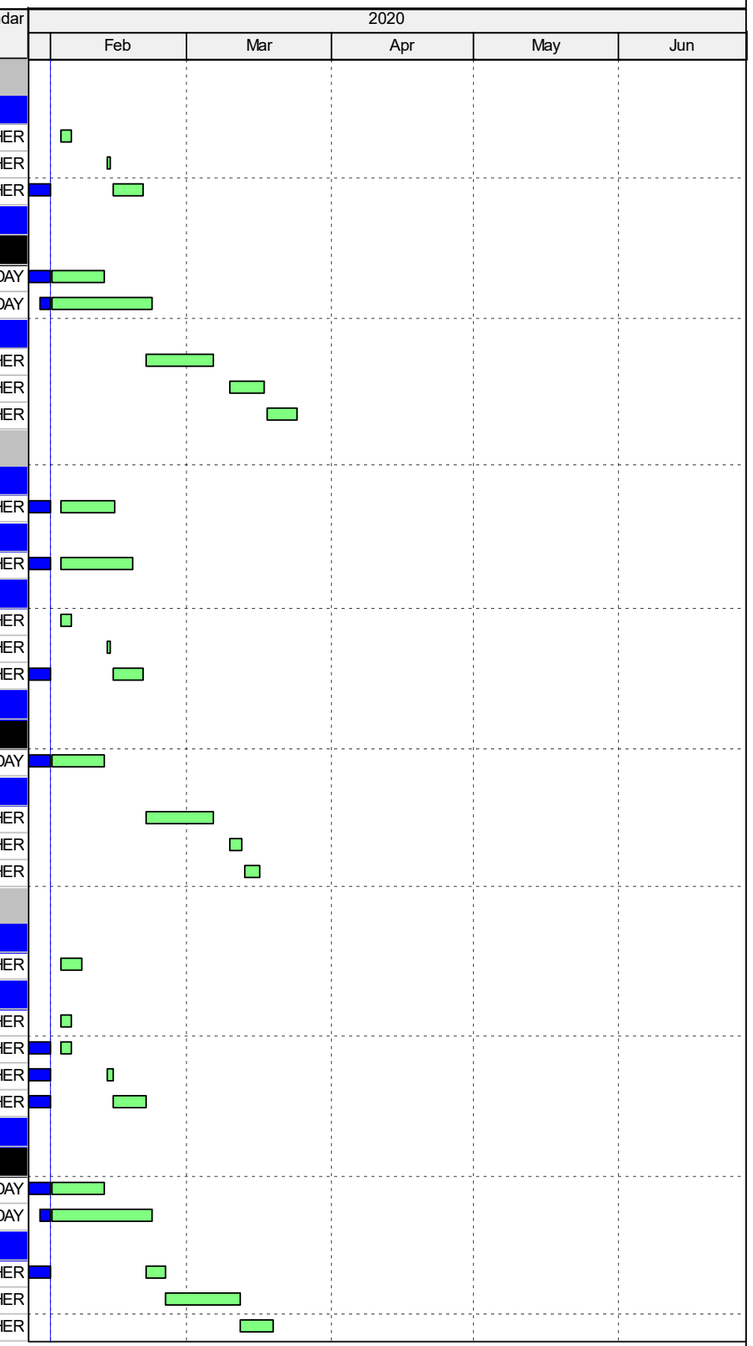
Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
O&M; TRAINING & START-UP PLANS								
13123								
PH2-16-6213	016 - Electrical Enclosure - Power Equip & Control Enclosures - 13123-7.8 - Prepare & Re-Submit	20	10	50%	21-Nov-19 A	10-Feb-20	25	7 DAY
PH2-16-6214	016 - Electrical Enclosure - Power Equip & Control Enclosures - 13123-7.8 - EOR Review & Approval	24	24	0%	11-Feb-20	05-Mar-20	25	7 DAY
13490								
PH2-06-6250	PLC 740 Functional Acceptance Test Plan - Prepare & Submit	14	14	0%	22-Feb-20	06-Mar-20	10	7 DAY
PH2-06-6260	PLC 740 Functional Acceptance Test Plan - EOR Review & Approval	14	14	0%	07-Mar-20	20-Mar-20	10	7 DAY
16290								
PH2-16-6050	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - O&M's - Prepare & Submittal	60	4	93.33%	01-Feb-19 A	04-Feb-20	31	7 DAY
PH2-16-6060	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - Start up & Testing Plan - Prepare & Submittal	60	4	93.33%	01-Feb-19 A	04-Feb-20	31	7 DAY
PH2-16-6070	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - Training Plan - Prepare & Submittal	60	4	93.33%	01-Feb-19 A	04-Feb-20	55	7 DAY
PH2-16-6051	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - O&M's - EOR Review & Approval	24	24	0%	05-Feb-20	28-Feb-20	31	7 DAY
PH2-16-6061	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - Start up & Testing Plan - EOR Review & Approval	24	24	0%	05-Feb-20	28-Feb-20	31	7 DAY
PH2-16-6071	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - Training Plan - EOR Review & Approval	24	24	0%	05-Feb-20	28-Feb-20	55	7 DAY
16720								
PH2-16-6092	016 - Electrical Enclosure - Call Paging & Comm - 16720-3.1 - O&M - Prepare & Submittal	20	4	80%	04-Sep-19 A	04-Feb-20	31	7 DAY
PH2-16-6093	016 - Electrical Enclosure - Call Paging & Comm - 16720-3.1 - O&M - EOR Review & Approval	24	24	0%	05-Feb-20	28-Feb-20	31	7 DAY
START-UP & TRAINING								
PH2-16-7030	016 - Electrical Enclosure - Static UPS - 16263 - Training (Ops/Maint.)	2	2	0%	14-Feb-20	18-Feb-20	42	5 DAY WEATHER
PH2-16-7000	016 - Electrical Enclosure - PLC 740 Operational Readiness Test (ORT) - Punch List	5	5	0%	24-Feb-20	03-Mar-20	7	5 DAY WEATHER
PH2-16-7040	016 - Electrical Enclosure - Power Measurement & Monitoring - 16290 - Training (Ops./Maint.)	2	2	0%	02-Mar-20	03-Mar-20	35	5 DAY WEATHER
PH2-16-7050	016 - Electrical Enclosure - Call Paging & Communication 16720 - Training (Ops/Maint.)	2	2	0%	04-Mar-20	05-Mar-20	35	5 DAY WEATHER
PH2-16-7010	016 - Electrical Enclosure - PLC 740 Functional Acceptance Test (FAT)	10	10	0%	23-Mar-20	06-Apr-20	5	5 DAY WEATHER
AREA 028 - CONTROL BLDG / CHEM FACILITIES								
STRUCTURAL								
PH2-28-1000	028 - Control Bldg / Chem Facilities - Grouts – Electrical Items	5	5	0%	03-Feb-20	07-Feb-20	60	5 DAY WEATHER
ARCHITECTURAL								
PH2-28-2000	028 - Control Bldg / Chem Facilities - Misc. Metals – Grating; Platform; and Ladders @ Control Building Basement Pipe Ga	5	5	0%	03-Feb-20	07-Feb-20	51	5 DAY WEATHER
MECHANICAL								
PH2-28-4080	028 - Control Bldg / Chem Facilities - Exist 6" San Sewer Redesign	30	10	66.67%	01-Feb-19 A	10-Feb-20	45	7 DAY
PH2-28-4040	028 - Control Bldg / Chem Facilities - Small Bore Support Fix	10	10	0%	03-Feb-20	18-Feb-20	46	5 DAY WEATHER
ELECTRICAL								
PH2-28-5040	028 - Control Bldg / Chem Facilities - Fiber Optic Test check out verify link to SCADA	2	0	95%	25-Nov-19 A	03-Feb-20	9	5 DAY WEATHER
PH2-28-5020	028 - Control Bldg / Chem Facilities - Wire & Terminate Power/ control/ signal/ network	17	1	95%	10-Sep-19 A	03-Feb-20	40	5 DAY WEATHER
PH2-28-5030	028 - Control Bldg / Chem Facilities - Active Harmonic Filters MCC-11A/B and MCC-12A/B	10	9	10%	29-Nov-19 A	18-Feb-20	40	5 DAY WEATHER
PH2-28-5035	028 - Control Bldg / Chem Facilities - ELECTRICAL PUNCH LIST / SHAKEOUT	40	12	70%	30-Sep-19 A	21-Feb-20	52	5 DAY WEATHER
PH2-28-5050	028 - Control Bldg / Chem Facilities - Security Systems	5	5	0%	18-Feb-20	25-Feb-20	40	5 DAY WEATHER
PH2-28-5060	028 - Control Bldg / Chem Facilities - Install Fire Alarm Devises / Terminate FACP	5	5	0%	25-Feb-20	04-Mar-20	40	5 DAY WEATHER
PH2-28-5070	028 - Control Bldg / Chem Facilities - Install PA system / special systems panel	5	5	0%	04-Mar-20	12-Mar-20	40	5 DAY WEATHER
PH2-28-5025	028 - Control Bldg / Chem Facilities - Loop test and check out (ORT)	5	5	0%	12-Mar-20	19-Mar-20	40	5 DAY WEATHER
CDC #217 (PCO #424 / CDC #216) - PLC #700 INSUFFICIENT MEMORY								
CDC-217-0065	CDC #217 - PROGRAMMING - PLC 700 / 710 PUNCHLIST (EST START 1/27/2020)	6	1	83.33%	27-Jan-20 A	01-Feb-20	1	7 DAY
CDC-217-0060	CDC #217 - PROGRAMMING - ONSITE SIMULATION TESTING - (PART #1 1/6 TO 1/17/2020; PART #2 1/27 TO 2/5/2020)	31	5	83.87%	06-Jan-20 A	05-Feb-20	1	7 DAY
CDC-217-0066	CDC #217 - PROGRAMMING - PLC 700 / 710 SCHEDULE / PREP FOR POPS #171	30	30	0%	02-Feb-20	02-Mar-20	1	7 DAY
CDC-217-0070	CDC #217 - PROGRAMMING - PLC 700 / 710 PLANT SHUTDOWN FOR PROGRAM INSTALL & EXIST PLANT FAT TESTING (Rev 3/3 TO :	8	8	0%	10-Mar-20	17-Mar-20	2	7 DAY
CDC-217-0080	CDC #217 - PROGRAMMING - PLC 700 / 710 SCADA SHUTDOWN COMPLETED (MS #6: 3/10/2020)	0	0	0%		17-Mar-20	2	7 DAY



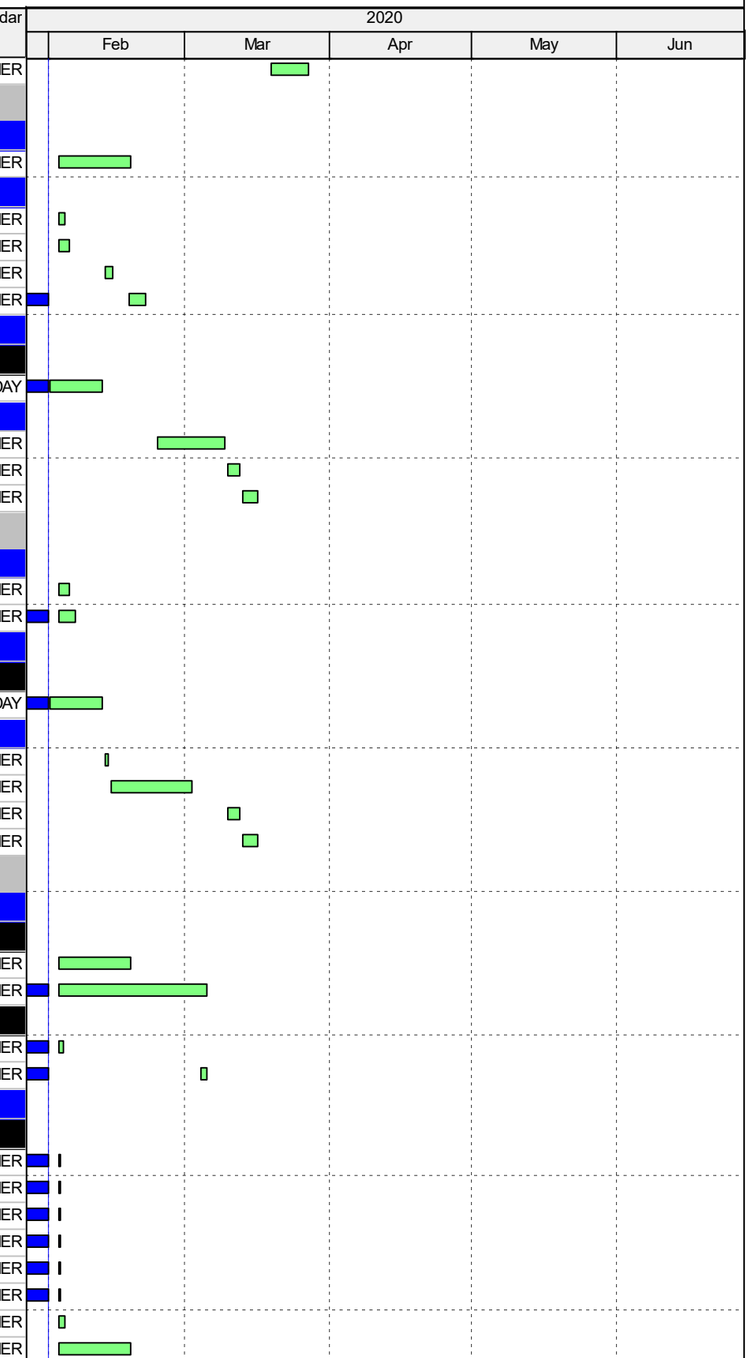
Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
O&M; TRAINING & START-UP PLANS								
13410								
PH2-28-6080	028 - Ph #2 SCADA OPERATORS O&M Manual (13410-95=TOC) - Prepare & Submittal (EST 2/21/2020)	52	21	59.62%	02-Jan-20 A	21-Feb-20	84	7 DAY
PH2-28-6100	028 - Ph #2 Software Maintenance O&M Manual (13410-94=TOC) - Prepare & Submittal (EST 2/21/2020)	35	21	40%	02-Jan-20 A	21-Feb-20	84	7 DAY
PH2-28-6120	028 - SCADA Phase 2 Video O&M Manual per 13410-1.12 - Prepare & Submittal (EST 2/21/20)	52	21	59.62%	02-Jan-20 A	21-Feb-20	84	7 DAY
PH2-28-6140	028 - SCADA Phase 2 Control Logic Simulator O&M Manual - Prepare & Submittal (EST 2/21/20)	52	21	59.62%	02-Jan-20 A	21-Feb-20	84	7 DAY
PH2-28-6170	028 - PLC 700 / 710 Ph #2 Operator HMI Training Part 1 PLC 700/710 (13410) - Prepare & Re-Submittal (EST 2/21/2020)	52	21	59.62%	02-Jan-20 A	21-Feb-20	13	7 DAY
PH2-28-6090	028 - Ph #2 SCADA OPERATORS O&M Manual (13410-95=TOC) - EOR Review & Approval	14	14	0%	22-Feb-20	06-Mar-20	84	7 DAY
PH2-28-6110	028 - Ph #2 Software Maintenance O&M Manual (13410-94=TOC) - EOR Review & Approval	14	14	0%	22-Feb-20	06-Mar-20	84	7 DAY
PH2-28-6130	028 - SCADA Phase 2 Video O&M Manual per 13410-1.12 - EOR Review & Approval	14	14	0%	22-Feb-20	06-Mar-20	84	7 DAY
PH2-28-6150	028 - SCADA Phase 2 Control Logic Simulator O&M Manual - EOR Review & Approval	14	14	0%	22-Feb-20	06-Mar-20	84	7 DAY
PH2-28-6180	028 - PLC 700 / 710 Ph #2 Operator HMI Training Part 1 PLC 700/710 (13410) - EOR Review & Approval	14	14	0%	22-Feb-20	06-Mar-20	13	7 DAY
PH2-28-6190	028 - SCADA Phase 2 Operator Training Part 2 Full System (13410) - Prepare & Re-Submittal	20	20	0%	22-Feb-20	12-Mar-20	32	7 DAY
PH2-28-6160	0280 - SCADA O&M - Update all 13410 O&M Manuals with As-builts and Submit Final O&M	14	14	0%	07-Mar-20	20-Mar-20	84	7 DAY
PH2-28-6260	028 - SCADA Phase 2 Operator Training Part 2 Full System (13410) - EOR Review & Approval	14	14	0%	13-Mar-20	26-Mar-20	32	7 DAY
PH2-28-6270	028 - SCADA Phase 2 - Maintenance Training Plan (13410) Prepare & Submittal (EST 4/17/20)	56	56	0%	22-Feb-20	17-Apr-20	26	7 DAY
PH2-28-6280	028 - SCADA Phase 2 - Maintenance Training Plan (13410) EOR Review & Approval	14	14	0%	18-Apr-20	01-May-20	26	7 DAY
13421								
PH2-28-6240	028 - PLC 700 / 710 FAT Test Plan (CDC 217 affected) - Prepare & Re-Submittal (EST 2/7/2020)	38	7	81.58%	02-Jan-20 A	07-Feb-20	19	7 DAY
PH2-28-6210	028 - PLC 700 / 710 / 720 / 740 Integrated Systems Test Procedure - EOR Review & Approval	14	12	14.29%	30-Jan-20 A	12-Feb-20	55	7 DAY
PH2-28-6220	028 - PLC 700 / 710 / 720 / 740 Integrated Systems FAT Procedure - Prepare & Submittal (EST 2/14/2020)	21	14	33.33%	30-Jan-20 A	14-Feb-20	46	7 DAY
PH2-28-6250	028 - PLC 700 / 710 FAT Test Plan (CDC 217 affected) - EOR Review & Approval	14	14	0%	08-Feb-20	21-Feb-20	19	7 DAY
PH2-28-6230	028 - PLC 700 / 710 / 720 / 740 Integrated Systems FAT Procedure - EOR Review & Approval	14	14	0%	15-Feb-20	28-Feb-20	46	7 DAY
01756								
PH2-28-7100	028 - 01756 Area 28 - Item 30 - Start up Plans Binder - Assemble & Submit (REQUIRED BY NO LATER THAN 2/24/2020)	30	24	20%	27-Jan-20 A	24-Feb-20	5	7 DAY
PH2-28-7110	028 - 01756 Area 28 - Item 30 - Start up Plans Binder - EOR Review & Approval	24	24	0%	25-Feb-20	19-Mar-20	63	7 DAY
START-UP & TRAINING								
PH2-28-7000	028 - PLC 700 / 710 / 720 / 740 Integrated Systems Simulation (EST 2/10 to 2/14/2020)	5	5	0%	15-Feb-20	19-Feb-20	55	7 DAY
PH2-28-7006	028 - PLC 700 / 710 Ph #2 Operator HMI Training (13410) - Training #1 (Ops.) (SCH FOR 2/26 & 2/27/2020)	2	2	0%	26-Feb-20	27-Feb-20	13	7 DAY
PH2-28-7010	028 - Pipe Gallery Valves (ORT) / March Shutdown (***Need to Resolve AUMA issue)	5	3	50%	13-Mar-19 A	17-Mar-20	8	5 DAY WEATHER
PH2-28-7007	028 - PLC Ph #2 Operator HMI Training (13410) - Training #2 (Ops.) (SCH FOR 4/15 & 4/16/2020)	2	2	0%	11-Apr-20	12-Apr-20	17	7 DAY
PH2-28-7020	028 - Functional Acceptance Test (FAT) (Concurrent with 30-Day Acceptance Test)	5	5	0%	07-Apr-20	14-Apr-20	29	5 DAY WEATHER
PH2-28-7005	028 - PLC 700 / 710 / 720 / 740 Integrated Systems FAT	10	10	0%	13-Apr-20	27-Apr-20	2	5 DAY WEATHER
PH2-28-7008	028- PLC Ph#2 Maintenance Training (13410) Training during 30 day test	2	2	0%	02-May-20	03-May-20	26	7 DAY
AREA 019 - NI FLOC AID								
ELECTRICAL								
PH2-19-5070	019 - NI Floc Aid - SCADA Network Connections	2	1	50%	25-Nov-19 A	04-Feb-20	14	5 DAY WEATHER
PH2-19-5050	019 - NI Floc Aid - Loop test and check out (ORT)	5	5	0%	13-Feb-20	20-Feb-20	30	5 DAY WEATHER
PH2-19-5080	019 - NI Floc Aid - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	27-Feb-20	30	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-19-6010	019 - NI Floc Aid - Neal/TSI provide Area 24 inserts for Area 24; 01756 Start up Binder	60	12	80%	01-Apr-19 A	12-Feb-20	48	7 DAY
PH2-19-6031	019 - NI Floc Aid - 01756-31 Submittal Binder - Start up Plans Binder - EOR Review & Approval	24	22	8.33%	30-Jan-20 A	22-Feb-20	67	7 DAY
START-UP & TRAINING								
PH2-19-7020	019 - NI Floc Aid - Operational Readiness Test (ORT)	5	5	0%	10-Mar-20	17-Mar-20	23	5 DAY WEATHER
PH2-19-7060	019 - NI Floc Aid - PLC 700 / 710 Functional Acceptance Test (FAT)	5	5	0%	18-Mar-20	24-Mar-20	23	5 DAY WEATHER



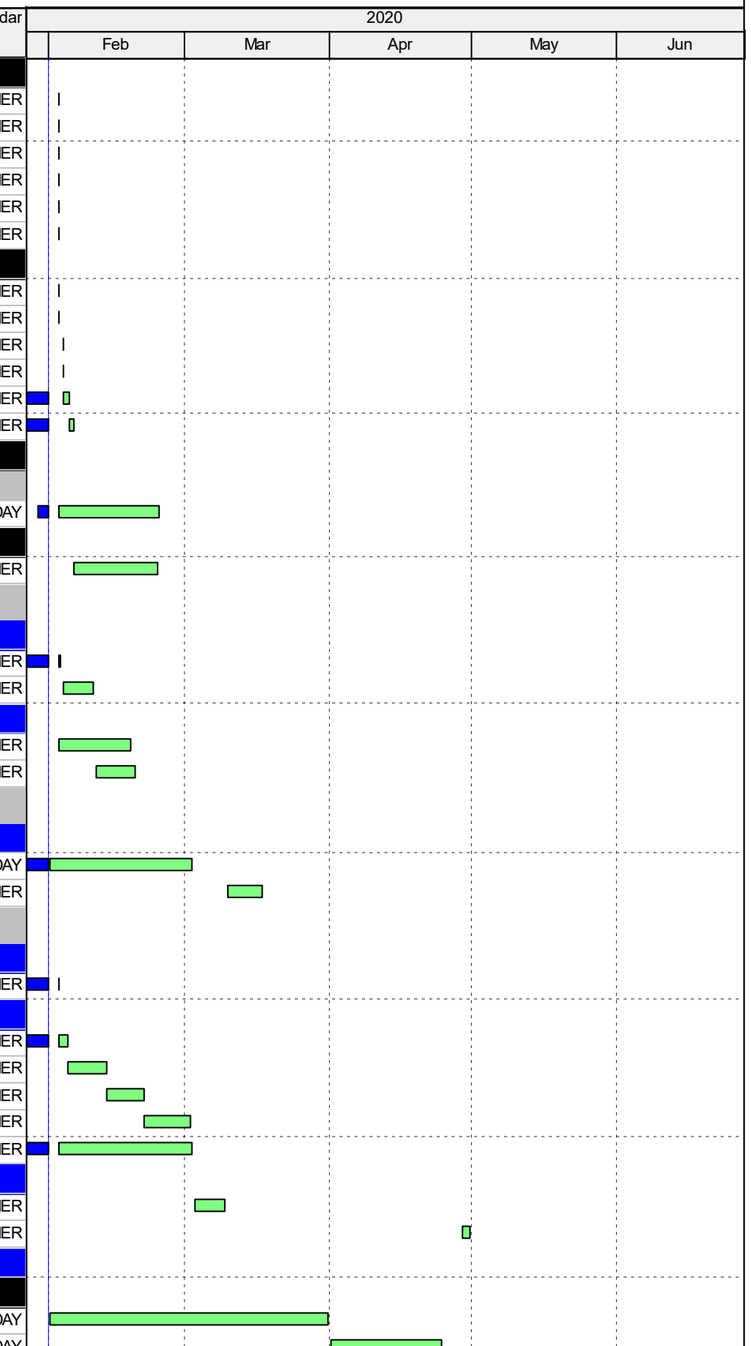
Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
AREA 022 - CAT POLY								
ELECTRICAL								
PH2-22-5110	022 - Cat Poly - SCADA Network Connections	2	2	0%	03-Feb-20	05-Feb-20	14	5 DAY WEATHER
PH2-22-5070	022 - Cat Poly - Loop test and check out	1	1	0%	13-Feb-20	13-Feb-20	24	5 DAY WEATHER
PH2-22-5080	022 - Cat Poly - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	20-Feb-20	24	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-22-6000	022 - Cat Poly - Neal/TSI provide Area 22 inserts for Area 22; 01756 Start up Binder	60	12	80%	01-Apr-19 A	12-Feb-20	39	7 DAY
PH2-22-6011	022 - Cat Poly - 01756-31 Submittal Binder - Start up Plans Binder - EOR Review & Approval	24	22	8.33%	30-Jan-20 A	22-Feb-20	67	7 DAY
START-UP & TRAINING								
PH2-22-7010	022 - Cat Poly - Area Start up (w/SCADA)	10	10	0%	21-Feb-20	06-Mar-20	24	5 DAY WEATHER
PH2-22-7030	022 - Cat Poly - Operational Readiness Test (ORT)	5	5	0%	10-Mar-20	17-Mar-20	23	5 DAY WEATHER
PH2-22-7040	022 - Cat Poly - PLC 700 / 710 Functional Acceptance Test (FAT)	5	5	0%	18-Mar-20	24-Mar-20	23	5 DAY WEATHER
AREA 024 - LIQUID ALUM								
ARCHITECTURAL								
PH2-24-2030	024 - Liquid Alum - FRP	10	9	10%	15-Apr-19 A	14-Feb-20	47	5 DAY WEATHER
MECHANICAL								
PH2-24-4100	024 - Liquid Alum - Close-Out Pipe Support Submittals/ Mechanical Button Up	40	10	75%	02-Dec-19 A	18-Feb-20	6	5 DAY WEATHER
ELECTRICAL								
PH2-24-5100	024 - Liquid Alum - SCADA Network Connections	2	2	0%	03-Feb-20	05-Feb-20	14	5 DAY WEATHER
PH2-24-5060	024 - Liquid Alum - Loop test and check out	1	1	0%	13-Feb-20	13-Feb-20	4	5 DAY WEATHER
PH2-24-5070	024 - Liquid Alum - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	20-Feb-20	4	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-24-6000	024 - Liquid Alum - Neal/TSI provide Area 24 inserts for Area 24; 01756 Start up Binder	60	12	80%	01-Apr-19 A	12-Feb-20	7	7 DAY
START-UP & TRAINING								
PH2-24-7000	024 - Liquid Alum - Area Start up (w/SCADA)	10	10	0%	21-Feb-20	06-Mar-20	4	5 DAY WEATHER
PH2-24-7010	024 - Liquid Alum - Operational Readiness Test (ORT) (***During March ShutDown)	2	2	0%	10-Mar-20	12-Mar-20	3	5 DAY WEATHER
PH2-24-7020	024 - Liquid Alum - PLC 700 / 710 Functional Acceptance Test (FAT) (***During March ShutDown)	2	2	0%	13-Mar-20	16-Mar-20	3	5 DAY WEATHER
AREA 025 - OCL ROOM								
MECHANICAL								
PH2-25-4020	025 - OCL Room - Button Up Mechanical	5	5	0%	03-Feb-20	07-Feb-20	51	5 DAY WEATHER
ELECTRICAL								
PH2-25-5110	025 - OCL Room - SCADA Network Connections	2	2	0%	03-Feb-20	05-Feb-20	14	5 DAY WEATHER
PH2-25-5060	025 - OCL Room - Energize test and check out	10	3	75%	24-Apr-19 A	05-Feb-20	26	5 DAY WEATHER
PH2-25-5070	025 - OCL Room - Loop test and Check out (ORT)	3	2	50%	27-Jan-20 A	14-Feb-20	22	5 DAY WEATHER
PH2-25-5080	025 - OCL Room - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	21-Feb-20	22	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-25-6000	025 - OCL Room - Neal/TSI provide Area 25 inserts for Area 25; 01756 Start up Binder	60	12	80%	01-Apr-19 A	12-Feb-20	35	7 DAY
PH2-25-6091	025 - OCL Room - 01756-31 Submittal Binder - EOR Review & Approval	24	22	8.33%	30-Jan-20 A	22-Feb-20	67	7 DAY
START-UP & TRAINING								
PH2-25-7000	025 - OCL Room - Chem Feed Equip Start-up	10	2	80%	30-Apr-19 A	25-Feb-20	22	5 DAY WEATHER
PH2-25-7010	025 - OCL Room - Area Start up (w/SCADA)	10	10	0%	25-Feb-20	12-Mar-20	22	5 DAY WEATHER
PH2-25-7020	025 - OCL Room - Operational Readiness Test (ORT)	5	5	0%	12-Mar-20	19-Mar-20	22	5 DAY WEATHER



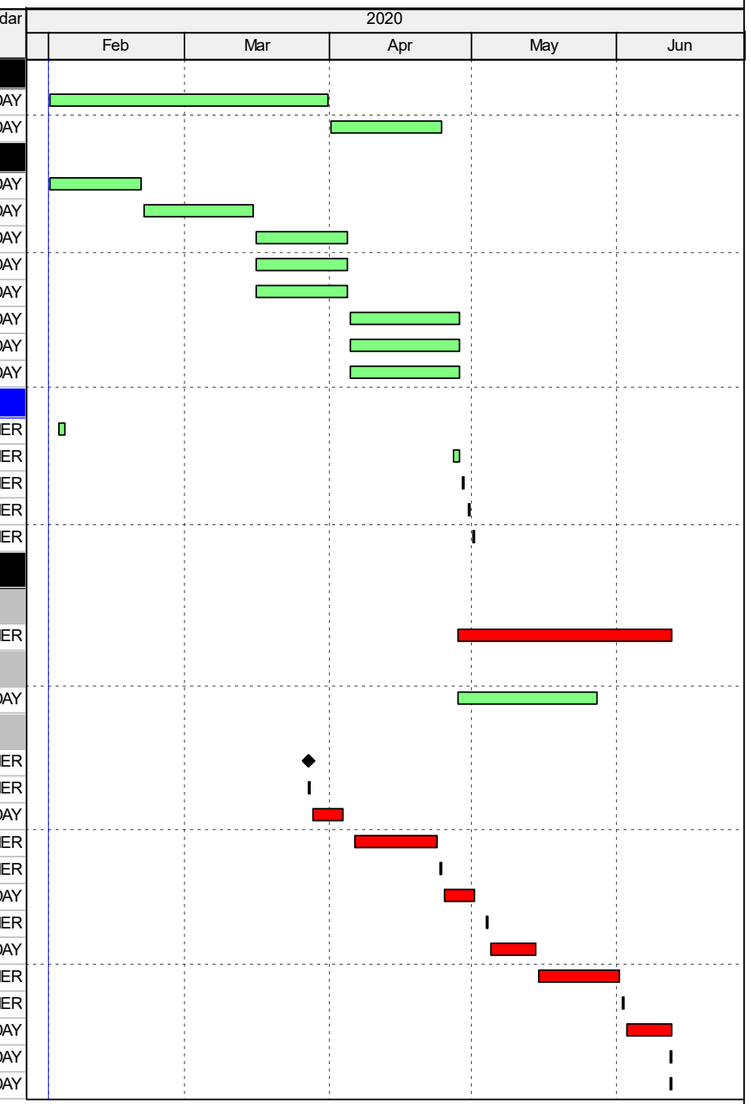
Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
PH2-25-7030	025 - OCL Room - PLC 700 / 710 Functional Acceptance Test (FAT)	5	5	0%	19-Mar-20	27-Mar-20	22	5 DAY WEATHER
AREA 026 - NI FILTER AID								
MECHANICAL								
PH2-26-4000	026 - NI Filter Aid - Button Up Mechanical	10	10	0%	03-Feb-20	18-Feb-20	46	5 DAY WEATHER
ELECTRICAL								
PH2-26-5060	026 - NI Filter Aid - Energize test and check out	2	2	0%	03-Feb-20	04-Feb-20	8	5 DAY WEATHER
PH2-26-5110	026 - NI Filter Aid - SCADA Network Connections	2	2	0%	03-Feb-20	05-Feb-20	14	5 DAY WEATHER
PH2-26-5070	026 - NI Filter Aid - Point to point / Loop test and check out	2	2	0%	13-Feb-20	14-Feb-20	3	5 DAY WEATHER
PH2-26-5120	026 - NI Filter Aid - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	21-Feb-20	3	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-26-6000	026 - NI Filter Aid - Neal/TSI provide Area 26 inserts for Area 26; 01756 Start up Binder	60	12	80%	01-Apr-19 A	12-Feb-20	6	7 DAY
START-UP & TRAINING								
PH2-26-7000	026 - NI Filter Aid - Area Start up (w/SCADA)	10	10	0%	24-Feb-20	09-Mar-20	3	5 DAY WEATHER
PH2-26-7010	026 - NI Filter Aid - Operational Readiness Test (ORT) (***During March ShutDown)	2	2	0%	10-Mar-20	12-Mar-20	3	5 DAY WEATHER
PH2-26-7020	026 - NI Filter Aid - PLC 700 / 710 Functional Acceptance Test (FAT) (***During March ShutDown)	2	2	0%	13-Mar-20	16-Mar-20	3	5 DAY WEATHER
AREA 027 - PAC								
ELECTRICAL								
PH2-27-5050	027 - PAC - SCADA Network Connections	2	2	0%	03-Feb-20	05-Feb-20	14	5 DAY WEATHER
PH2-27-5060	027 - PAC - ELECTRICAL PUNCH LIST / SHAKEOUT	40	4	90%	01-Jul-19 A	06-Feb-20	11	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-27-6000	027 - PAC - Neal/TSI provide Area 27 inserts for Area 27; 01756 Start up Binder	60	12	80%	01-Apr-19 A	12-Feb-20	14	7 DAY
START-UP & TRAINING								
PH2-27-7000	027 - PAC - Area Start up (Coriolis COPI)	1	1	0%	13-Feb-20	13-Feb-20	8	5 DAY WEATHER
PH2-27-7010	027 - PAC - Area Start up (w/SCADA)	10	10	0%	14-Feb-20	02-Mar-20	8	5 DAY WEATHER
PH2-27-7030	027 - PAC - Operational Readiness Test (ORT) (***During March ShutDown)	2	2	0%	10-Mar-20	12-Mar-20	3	5 DAY WEATHER
PH2-27-7040	027 - PAC - PLC 700 / 710 Functional Acceptance Test (FAT) (***During March ShutDown)	2	2	0%	13-Mar-20	16-Mar-20	3	5 DAY WEATHER
CHEM DUCT BANKS								
LDV-1								
ARCHITECTURAL								
PH2-CD-2110	Chem Duct/Vaults - Roof Appurtenances – Bird Netting @ LDV #1	10	10	0%	03-Feb-20	18-Feb-20	46	5 DAY WEATHER
PH2-CD-2000	Chem Duct/Vaults - Coats/Paints – Water Repellents @ LDV1 (INCL Cure Time)	30	21	30%	03-Jun-19 A	05-Mar-20	5	5 DAY WEATHER
ELECTRICAL								
PH2-CD-5040	LDV # 1 - Chem Duct/Vaults - Lighting & Wire	5	1	75%	23-Sep-19 A	04-Feb-20	23	5 DAY WEATHER
PH2-CD-5050	LDV # 1 - ELECTRICAL PUNCH LIST / SHAKEOUT	30	2	95%	28-Oct-19 A	05-Mar-20	5	5 DAY WEATHER
REMAINING LDVs & PULL BOXES								
ARCHITECTURAL								
PH2-CD-2020	Chem Duct/Vaults - FRP – LDV #2	10	1	90%	01-Feb-19 A	03-Feb-20	7	5 DAY WEATHER
PH2-CD-2030	Chem Duct/Vaults - FRP – LDV #3	10	1	90%	01-Feb-19 A	03-Feb-20	8	5 DAY WEATHER
PH2-CD-2050	Chem Duct/Vaults - FRP – PB #1	10	1	90%	01-Feb-19 A	03-Feb-20	8	5 DAY WEATHER
PH2-CD-2060	Chem Duct/Vaults - FRP – PB #2	10	1	90%	01-Feb-19 A	03-Feb-20	7	5 DAY WEATHER
PH2-CD-2070	Chem Duct/Vaults - FRP – PB #3	10	1	90%	01-Feb-19 A	03-Feb-20	7	5 DAY WEATHER
PH2-CD-2080	Chem Duct/Vaults - FRP – PB #4	10	1	90%	01-Feb-19 A	03-Feb-20	7	5 DAY WEATHER
PH2-CD-2045	Chem Duct/Vaults - Misc. Metals – Galvanized Cover Plate @ WWRF	2	2	0%	03-Feb-20	04-Feb-20	54	5 DAY WEATHER
PH2-CD-2040	Chem Duct/Vaults - FRP – LDV WWRF	10	10	0%	03-Feb-20	18-Feb-20	74	5 DAY WEATHER



Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
MECHANICAL (LDV3 REQUIRED FOR PHASE #5)								
PH2-CD-4060	Chem Duct/Vaults - Hose Connections at LDV3 (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	8	5 DAY WEATHER
PH2-CD-4065	Chem Vaults - LDV #3 Piping (Mechanical) (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	8	5 DAY WEATHER
PH2-CD-4066	Chem Vaults - LDV #3 Sump Pump Install (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	8	5 DAY WEATHER
PH2-CD-4260	Chem Duct/Vaults - Hose Connections at LDV AT WWRF (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	9	5 DAY WEATHER
PH2-CD-4265	Chem Vaults - LDV AT WWRF Piping (Mechanical) (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	74	5 DAY WEATHER
PH2-CD-4266	Chem Vaults - LDV AT WWRF Sump Pump Install (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	74	5 DAY WEATHER
ELECTRICAL								
PH2-CD-5710	LDV AT WWRF - Chem Duct/Vaults - Install leak detection systems (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	9	5 DAY WEATHER
PH2-CD-5730	LDV AT WWRF - Chem Duct/Vaults - Wire & Terminate leak detection control panels / devices (***NOT PART OF PHASE #2)	0	0	0%	03-Feb-20	03-Feb-20	10	5 DAY WEATHER
PH2-CD-5210	LDV #3 - Chem Duct/Vaults - Install leak detection systems (***NOT PART OF PHASE #2)	0	0	0%	04-Feb-20	04-Feb-20	8	5 DAY WEATHER
PH2-CD-5230	LDV #3 - Chem Duct/Vaults - Wire & Terminate leak detection control panels / devices (***NOT PART OF PHASE #2)	0	0	0%	04-Feb-20	04-Feb-20	8	5 DAY WEATHER
PH2-CD-5320	ELECTRICAL PUNCH LIST / SHAKEOUT	30	2	95%	28-Oct-19 A	05-Feb-20	7	5 DAY WEATHER
PH2-CD-5740	004 - Chem Yard - Point to Point / Loop Test and check out (ORT)	8	1	90%	17-Jan-20 A	06-Feb-20	7	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
01756								
PH2-CD-7061	Chem Duct - 01756 Submittal Binder - Start up Plans Binder (Temp Pipe & Conveyance) - EOR Review & Approval	24	22	8.33%	30-Jan-20 A	24-Feb-20	65	7 DAY
START-UP & TRAINING								
PH2-CD-7030	Chem Duct/Vaults - All Leak Detect Systems shall be integrated into SCADA	10	10	0%	06-Feb-20	24-Feb-20	7	5 DAY WEATHER
MISC SITE CONCRETE								
STRUCTURAL								
PH2-SC-1070	Misc. Site Concrete - Primary Structure Concrete – Energy Dissipater	10	1	90%	01-Feb-19 A	03-Feb-20	25	5 DAY WEATHER
PH2-SC-1000	Misc. Site Concrete - Concrete Finishing @ Energy Dissipater	5	5	0%	04-Feb-20	10-Feb-20	25	5 DAY WEATHER
ARCHITECTURAL								
PH2-SC-2010	Misc. Site Concrete - Site Wide Guard Posts	10	10	0%	03-Feb-20	18-Feb-20	65	5 DAY WEATHER
PH2-SC-2000	Misc. Site Concrete - Chain Link Fence @ Energy Dissipater	5	5	0%	11-Feb-20	19-Feb-20	64	5 DAY WEATHER
YARD PIPING								
ELECTRICAL								
PH2-YP-5000A	Yard Piping - Schedule & Prep for Control Testing for BFV SED991 & 993	48	31	35.42%	02-Jan-20 A	02-Mar-20	51	7 DAY
PH2-YP-5000B	Yard Piping - Complete Control Testing for BFV SED991 & 993 (***DURING PLC 700 SHUTDOWN)	5	5	0%	10-Mar-20	17-Mar-20	28	5 DAY WEATHER
ELECTRICAL DUCTBANKS / SITE ELECTRICAL								
FIBER OPTIC								
PH2-SE-1060	FIBER OPTIC - Install Fiber Backbone EEP4A to Lower Guard House	5	0	99%	08-Apr-19 A	03-Feb-20	10	5 DAY WEATHER
DUCTBANKS / SITE ELECTRICAL								
PH2-SE-2050	SITE ELECTRICAL - Fiber Optic Test check out verify link to SCADA	4	2	50%	17-Sep-19 A	05-Feb-20	56	5 DAY WEATHER
PH2-SE-2060	SITE ELECTRICAL - Install CCTV conduit / equipment	5	5	0%	05-Feb-20	13-Feb-20	56	5 DAY WEATHER
PH2-SE-2070	SITE ELECTRICAL - Install PA system / special systems panel	5	5	0%	13-Feb-20	21-Feb-20	56	5 DAY WEATHER
PH2-SE-2080	SITE ELECTRICAL - Install Fire Alarm Devises / Terminate FACP	5	5	0%	21-Feb-20	02-Mar-20	56	5 DAY WEATHER
PH2-SE-2020B	SITE ELECTRICAL - Guardshack Upper More conduit control/power/signal	20	18	10%	16-Sep-19 A	02-Mar-20	55	5 DAY WEATHER
SWITCHGEAR 3 - 40 MGD SHUTDOWN								
PH2-SE-2140	SITE ELECTRICAL - Testing & Energize SWGR #3A (***Neal to Verify)	5	5	0%	03-Mar-20	09-Mar-20	61	5 DAY WEATHER
PH2-SE-2130	SITE ELECTRICAL - Energize test and Check out (ORT / FAT Guard Shack)	2	2	0%	29-Apr-20	30-Apr-20	18	5 DAY WEATHER
O&M; TRAINING & START-UP PLANS								
13701								
PH2-SE-6000	SITE ELECTRICAL - Start up & Testing Plan 13701 Video Surveillance - Prepare & Submittal	60	60	0%	01-Feb-20	31-Mar-20	33	7 DAY
PH2-SE-6001	SITE ELECTRICAL - Start up & Testing Plan 13701 Video Surveillance - EOR Review & Approval	24	24	0%	01-Apr-20	24-Apr-20	33	7 DAY



Activity ID	Activity Name	OD	RD	PCT	Start	Finish	Total Float	Calendar
13704								
PH2-SE-6020	SITE ELECTRICAL - Start up Plan 13704- Security Access - Prepare & Submittal	60	60	0%	01-Feb-20	31-Mar-20	33	7 DAY
PH2-SE-6021	SITE ELECTRICAL - Start up Plan 13704- Security Access - EOR Review & Approval	24	24	0%	01-Apr-20	24-Apr-20	33	7 DAY
13852								
PH2-SE-6040	SITE ELECTRICAL - Submittal - Fire Detection & Alarm Systems 13852-1.4 - Prepare & Re-Submittal	20	20	0%	01-Feb-20	20-Feb-20	29	7 DAY
PH2-SE-6041	SITE ELECTRICAL - Submittal - Fire Detection & Alarm Systems 13852-1.4 - EOR Review & Approval	24	24	0%	21-Feb-20	15-Mar-20	29	7 DAY
PH2-SE-6052	SITE ELECTRICAL - O&M Manual - Fire Detection & Alarm Systems 13852-2.1 - Prepare & Re-Submittal	20	20	0%	16-Mar-20	04-Apr-20	29	7 DAY
PH2-SE-6060	SITE ELECTRICAL - Start up & Testing Plan - Fire Detection & Alarm Systems 13852 - Prepare & Submittal	20	20	0%	16-Mar-20	04-Apr-20	45	7 DAY
PH2-SE-6070	SITE ELECTRICAL - Training Plan - Fire Detection & Alarm Systems 13852 - Prepare & Submittal	20	20	0%	16-Mar-20	04-Apr-20	41	7 DAY
PH2-SE-6053	SITE ELECTRICAL - O&M Manual - Fire Detection & Alarm Systems 13852-2.1 - EOR Review & Approval	24	24	0%	05-Apr-20	28-Apr-20	29	7 DAY
PH2-SE-6061	SITE ELECTRICAL - Start up & Testing Plan - Fire Detection & Alarm Systems 13852 - EOR Review & Approval	24	24	0%	05-Apr-20	28-Apr-20	45	7 DAY
PH2-SE-6071	SITE ELECTRICAL - Training Plan - Fire Detection & Alarm Systems 13852 - EOR Review & Approval	24	24	0%	05-Apr-20	28-Apr-20	41	7 DAY
START-UP & TRAINING								
PH2-SE-7020	SITE ELECTRICAL - Training 13704-4 - Security Access (Ops/Maint.)	2	2	0%	03-Feb-20	04-Feb-20	82	5 DAY WEATHER
PH2-SE-7010	SITE ELECTRICAL - Training 13701-3.1 - Video Surveillance (Ops/Maint.)	2	2	0%	27-Apr-20	28-Apr-20	29	5 DAY WEATHER
PH2-SE-7030	SITE ELECTRICAL - Training 13852 - Fire Detection & Alarm Systems (Maint.)	1	1	0%	29-Apr-20	29-Apr-20	26	5 DAY WEATHER
PH2-SE-7030A	SITE ELECTRICAL - Training 13852 - Fire Detection & Alarm Systems (Ops)	1	1	0%	30-Apr-20	30-Apr-20	26	5 DAY WEATHER
PH2-SE-7030B	SITE ELECTRICAL - Training 13900-5 - Fire Suppression (Maint.)	1	1	0%	01-May-20	01-May-20	26	5 DAY WEATHER
CONSTRUCTION - PHASE #6								
SITE RESTORATION								
PH6-1000	Phase #6 - Final Site Restoration	30	30	0%	28-Apr-20	12-Jun-20	55	5 DAY WEATHER
FINAL CLEAN								
PH6-2000	Phase #6 - Final Cleaning	30	30	0%	28-Apr-20	27-May-20	136	7 DAY
INSPECTIONS / DEFICIENCY LIST								
PH6-9000	Phase #6 - Start Phase #6 Requirements (Target Start 4/28/2020)	0	0	0%	27-Mar-20		79	5 DAY WEATHER
PH6-9010	Phase #6 - BBII Preliminary Final Inspection Request (1st)	1	1	0%	27-Mar-20	27-Mar-20	79	5 DAY WEATHER
PH6-9020	Phase #6 - Engineer Conduct Preliminary Final Inspection (1st)	7	7	0%	28-Mar-20	03-Apr-20	125	7 DAY
PH6-9030	Phase #6 - BBII Address Preliminary Final Inspection Deficiency List (1st)	12	12	0%	06-Apr-20	23-Apr-20	79	5 DAY WEATHER
PH6-9040	Phase #6 - BBII Preliminary Final Inspection Request (2nd)	1	1	0%	24-Apr-20	24-Apr-20	79	5 DAY WEATHER
PH6-9050	Phase #6 - Engineer Conduct Preliminary Final Inspection (2nd)	7	7	0%	25-Apr-20	01-May-20	125	7 DAY
PH6-9060	Phase #6 - BBII Final Inspection Request (1st)	1	1	0%	04-May-20	04-May-20	79	5 DAY WEATHER
PH6-9070	Phase #6 - Engineer Conduct Final Inspection (per Section 21) (1st)	10	10	0%	05-May-20	14-May-20	123	7 DAY
PH6-9080	Phase #6 - BBII Address Final Inspection Deficiency List (1st)	10	10	0%	15-May-20	01-Jun-20	76	5 DAY WEATHER
PH6-9090	Phase #6 - BBII Final Inspection Request (2nd)	1	1	0%	02-Jun-20	02-Jun-20	76	5 DAY WEATHER
PH6-9100	Phase #6 - Engineer Conduct Final Inspection (2nd)	10	10	0%	03-Jun-20	12-Jun-20	120	7 DAY
PH6-9110	Phase #6 - Final Inspection of Milestones	1	1	0%	12-Jun-20	12-Jun-20	120	7 DAY
PH6-9120	Phase #6 - BBII Furnish Written Guaranty Bond	1	1	0%	12-Jun-20	12-Jun-20	120	7 DAY



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Attachment No. 3 to Amendment One

Warranty List

Rinconada Water Treatment Plant
Reliability Improvement Project, Contract C0601

February 12, 2020

RWTP Reliability Improvement Project
Amendment One
Warranty List

Specific warranties to be provided in accordance with original contract documents:	
3.11	Guaranty
21.02	Guaranty and Guaranty Bond
01321-1.09	Construction Camera System
02623-1.07	High Density Polyethylene Pipe and Fittings
07141-1.06	Capillary Waterproofing
07412-1.09	Metal Wall Panels and Soffits
08105	Hollow Metal Doors/Frames
08700-1.07	Finish Hardware
09962-1.06	Chemical Resistant Coating for Concrete
10520-1.06	Fire Protection Specialties
11217	Submersible Sump Pumps
11218	Sample Pumps
11220	Flocculation Mixers
11224	Static Mixers
11242	Chemical Equipment
11244-1.09	Diaphram Chemical Metering Pumps
11277-1.11	Parallel Plate Clarifiers/Settlers
11285	Slide Gates, Stop Gates and Stop Logs
11287	Automatic Siphons
11310	Sumersible Chopper Pumps
11350	Cable Driven Sludge Collector System
13080-1.05	Noise Barrier
13129-1.05	Prefabricated Guardhouses
13421	Programmable Logic Controllers and Computer Control Systems
13422	Local Area Network System
13431	I&C Analytical Devices
13435-2.04	Temperature Measurement
13446-1.05	Electric Operators for Valve and Gates
13701	Video Surveillance
13704	Security System Access
13852	Fire Detection and Alarm
15112	Butterfly Valve
15113	Plastic Valves
15114	Check Valves
15116	Plug Valve
15119	Air and Vacuum Relief Valves
15120	Piping Specialties
15590-1.09	Fuel Pumps, Storage Tanks and Fuel Piping Systems
16121-1.08	Medium Voltage Cables
16145	Miscellaneous Electrical Equipment
16230-1.13	Standby and Emergency Diesel Engine Generator Assemblies
16244	Station Battery System
16263	Static UPS
16266-1.03 B	Medium Voltage ASD
16350-1.11	Medium Voltage Switchgear, Protective Relaying, and Modifications