RE: TOWN OF SAMOA SUBDIVISON PHASE 1 CONSISTING OF PHASES #1 THROUGH #9 OF APPLICATION #8827

FINAL MAP SUBDIVISION AGREEMENT

THIS AGREEMENT is executed in triplicate this _____ day of _____, _____, by and between the COUNTY OF HUMBOLDT, a political subdivision of the State of California, hereinafter called COUNTY and SAMOA PACIFIC GROUP, LLC, hereinafter called SUBDIVIDER.

WITNESSETH:

WHEREAS, on _____ SUBDIVIDER presented to the Board of Supervisors of COUNTY for approval a final map of a subdivision known as TOWN OF SAMOA SUBDIVISON PHASE 1; and

WHEREAS, COUNTY pursuant to Chapter 6 of Division 2 of Title III of the Humboldt County Code requires SUBDIVIDER to either complete all improvements required by the Humboldt County Code prior to the filing of the final map or enter into an improvements agreement which requires that the work on the required improvements be completed within the time specified; and

WHEREAS, the Board of Supervisors of COUNTY approved the final map subject to the execution of an improvements agreement between COUNTY and SUBDIVIDER pursuant to Chapter 6 of Division 2 of Title III of the Humboldt County Code; and

WHEREAS, SUBDIVIDER has presented to COUNTY improvement plans and specifications (hereinafter referred to as the "Improvement Plan") which are on file with the Public Works Department outlining therein the improvements to be constructed by SUBDIVIDER within the subdivision which are required by the Humboldt County Code as a condition precedent to the filing of the final map with the County Recorder; and

WHEREAS, SUBDIVIDER desires to complete the improvements described in the improvement plan after the final map is filed with the County Recorder and therefore desires to enter into this improvements agreement with the COUNTY;

NOW, THEREFORE, it is mutually agreed as follows:

(1) FINAL MAP

The term "final map" as defined in the Subdivision Map Act (Government Code sections 66410 *et seq.*) and the County Subdivision Ordinance (Division 2 of Title III of the Humboldt County Code), and as used in this agreement, shall refer to the map of the TOWN OF SAMOA SUBIVISION PHASE 1, which was conditionally approved by the Planning Commission of COUNTY on February 20, 2020. A copy of the final map is attached to this agreement as Exhibit A and incorporated by reference herein.

(2) IMPROVEMENTS

SUBDIVIDER, at their own expense, shall make all improvements required by Title III, Division 2 of the Humboldt County Code as set forth in the Improvement Plan, and the conditions of approval of the tentative subdivision map, which are attached hereto as Exhibit B and incorporated herein by reference. It is agreed by both parties that the Improvement Plan titled "Phase 1:Water & Sewer Improvement Plans" dated 06/09/2021 is in accordance with the conditions of the tentative subdivision map which was approved by the Public Works Department on 06/10/2021; and that the Improvement Plan titled "Vance Avenue Phase 1A Improvement Plans" dated 02/04/2020 is in accordance with the conditions of the tentative subdivision map which was approved by the Planning and Building Department on 03/10/2020.

SUBDIVIDER warrants that Improvement Plan is adequate to complete the improvements shown in the Improvement Plan in a good, workmanlike manner and in accordance with accepted construction practices. Should the Improvement Plan, at any time prior to completion of the work on the improvements, appear to be inadequate in any respect in the opinion of the Public Works Director or designee thereof, hereinafter referred to as "DIRECTOR," the SUBDIVIDER agrees to make such change in the Improvement Plan as the DIRECTOR determines are necessary to complete improvements according to the standards specified in Section 3 of this agreement.

(3) STANDARDS

All improvements provided for in the Improvement Plan shall be constructed in a good workmanlike manner, using accepted construction practices and in accordance with the standards contained in Title III, Division 2 of the Humboldt County Code. Improvements for which specifications are not provided by said ordinance or by this agreement shall be constructed in accordance with the standards required by the DIRECTOR.

All improvements shall be subject to inspection and approval by the DIRECTOR.

(4) COSTS

SUBDIVIDER shall have the sole responsibility for paying all costs associated with the construction of all improvements required by this agreement, including but not limited to all costs associated with the improvements described in the Improvement Plan; meeting all conditions of the tentative map and furnishing any and all required public utility services, including but not limited to installing all necessary public water, public sewer, gas, electrical and telephone facilities.

(5) SERVICES

All administration and inspection services rendered in connection with the work covered by this agreement shall be paid for by SUBDIVIDER in accordance with the latest Fee Schedule adopted by the Board of Supervisors. The cash deposit for administration and inspection fees required by Section 326-13 of the Humboldt County Code is set in the amount of $10,000. SUBDIVIDER is responsible for costs above the deposit amount.

(6) COMPLETION

Pursuant to Humboldt County Code section 326-2(a), all improvements shall be completed, inspected, and approved by the DIRECTOR no later than two (2) years following recordation of the Final Map.

COUNTY shall not issue any building permits until such time as the DIRECTOR determines that the improvements are complete.

(7) RIGHTS OF WAY

SUBDIVIDER, at its own expense and as approved by the DIRECTOR, shall provide any and all restrictions, rights of way, street rights of way, and easements for drainage, utilities and/or other purposes.

(8) GUARANTEE

Pursuant to Humboldt County Code section 326-2(b), SUBDIVIDER guarantees that all improvements and associated equipment required by this agreement, including but not limited to street surfacing, sidewalks, curbs and gutters, culverts, bridges and storm drains, shall be free from defects of material or workmanship and shall perform satisfactorily for a period of at least one year from and after acceptance of such improvements as complete, and the SUBDIVIDER shall repair any defects in these improvements or replace any defective improvements which cannot be repaired which occur or arise within the one year period at SUBDIVIDER's own expense.

(9) HOLD HARMLESS

(a) SUBDIVIDER shall hold COUNTY and its officers, employees, agents, volunteers, and representatives harmless against any and all damages arising out of the construction, maintenance, design, drainage, operation, and/or use of said subdivision including without limitation improvements specified in Section (2), and shall indemnify and defend the COUNTY against all claims. SUBDIVIDER shall also hold COUNTY and its officers, employees, agents, volunteers, and representatives harmless against any and all damages arising out of SUBDIVIDER's activities and operations in connection with the use, maintenance, design, and/or construction of the improvements in said subdivision prior to acceptance by COUNTY into the County Maintained Road System, and shall indemnify and defend the COUNTY against all claims. Insofar as said improvements are concerned, prior to acceptance into the County Maintained Road System, SUBDIVIDER shall likewise hold COUNTY harmless from any and all liability that may occur by reason of flooding and the deposit of debris, or either of such occurrences, caused either by the construction of the subdivision or lack of continuance of construction operations once commenced, and shall indemnify and defend the COUNTY against all claims.

(b) SUBDIVIDER shall hold COUNTY, its officers, employees, agents, volunteers, and representatives harmless against any and all damages by reason of injury to property arising out of design of the subdivision occurring within five years of the acceptance of the improvements.

(10) INSURANCE

This Agreement shall not be executed by COUNTY and the SUBDIVIDER is not entitled to any rights, unless certificates of insurance, or other sufficient proof that the following provisions have been complied with, and such certificates are filed with the Clerk of the Humboldt County Board of Supervisors.

(a) General Insurance Requirements. Without limiting SUBDIVIDER's indemnification obligations set forth herein, SUBDIVIDER, and its contractors and subcontractors, shall take out and maintain, throughout the term of this Agreement, and any extensions thereof,

the following policies of insurance, placed with insurers authorized to do business in the State of California with a current A.M. Bests rating of no less than A: VII or its equivalent against personal injury, death and property damage which may arise from, or in connection with, the activities of SUBDIVIDER and its agents, officers, directors, employees, assignees or subcontractors:

1. Comprehensive or Commercial General Liability Insurance at least as broad as Insurance Services Office Commercial General Liability coverage (occurrence from CG 0001) in an amount of $2,000,000.00 per occurrence. If work involves explosive, underground, or collapse risks, XCU must be included. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this project or the general aggregate shall be twice the required occurrence limit.

2. SUBDIVIDER shall take out and maintain Automobile/Motor Liability Insurance with a limit of liability not less than One Million Dollars ($1,000,000.00) combined single limit coverage. Such insurance shall include coverage of all owned, hired and non-owned vehicles, and be at least as broad as Insurance Service Offices Form Code 1 (any auto).

3. Workers' Compensation Insurance, as required by the California Labor Code, with statutory limits, and Employers Liability Insurance with a limit of no less than One Million Dollars ($1,000,000.00) per accident for bodily injury or disease. Said policy shall contain, or be endorsed to contain, a waiver of subrogation against COUNTY and its agents, officers, officials, employees and volunteers, except for the negligence or willful misconduct of COUNTY and its agents, officers, employees and volunteers.

(b) Special Insurance Requirements. Said policies shall, unless otherwise specified herein, be endorsed with the following provisions:

1. The Comprehensive or Commercial General Liability Policy shall provide that COUNTY, and its agents, officers, officials, employees, and volunteers are covered as additional insured for liability arising out of the operations performed by or on behalf of SUBDIVIDER. The coverage shall contain no special limitations on the scope of protection afforded to the COUNTY, its officers, agents, and employees.

   a. Includes contractual liability.

   b. Does not contain exclusions as to property damage caused by explosion or collapse of structures or underground damage, commonly referred to as "XCU Hazards."

   c. Is the primary insurance with regard to COUNTY.

   d. Does not contain a pro-rata, excess only and/or escape clause.

   e. Contains a cross liability, severability of interest or separation of insureds clause.

2. The above-referenced policies shall not be canceled or materially reduced in coverage without thirty (30) days prior written notice (10 days for non-payment of the premium). being provided to COUNTY in accordance with the notice requirements set forth herein. It is further understood that SUBDIVIDER shall not terminate such coverage until COUNTY receives adequate proof that equal or better insurance has been secured.

3. The inclusion of more than one insurance shall not operate to impair the rights of one insured against another insured, and the coverage afforded shall apply as though separate policies had been issued to each insured, but the inclusion of more than one insured shall not operate to increase the limits of the insurer's liability.

4. For claims related to this project, the SUBDIVIDER's insurance is primary coverage to the COUNTY, and any insurance or self-insurance programs maintained by the COUNTY are excess to SUBDIVIDER's insurance and will not be called upon to contribute with it.

5. Any failure to comply with reporting or other provisions of the parties, including breach of warranties, shall not affect coverage provided to COUNTY, or its agents, officers, officials, employees, and volunteers.

(c) SUBDIVIDER shall furnish COUNTY with certificates and original endorsements effecting the required coverage prior to execution of this Agreement by COUNTY. The endorsements shall be on forms as approved by the County Risk Manager or County Counsel. Any deductible or self-insured retention over $100,000.00 shall be disclosed to and approved by COUNTY. If SUBDIVIDER does not keep all required policies in full force and effect, COUNTY may, in addition to other remedies under this Agreement, take out the necessary insurance, and SUBDIVIDER agrees to pay the cost of said insurance.

(11) <u>SECURITY</u>

(a) Faithful Performance Security

In accordance with Section 66499 of the Government Code, SUBDIVIDER, at their sole expense, shall furnish COUNTY good and sufficient security in the sum of $8,606,000 for the faithful performance of the provisions of this agreement requiring the construction of all improvements required by this agreement and associated equipment, including but not limited to street surfacing, sidewalks, curbs and gutters, culverts, bridges, and storm drains. Said security shall be maintained in full force and effect until the conditions thereof shall have been completely performed. The Humboldt County Board of Supervisors may, at its sole discretion and by official action, lower the amount of said security for faithful performance from time to time as portions of the improvements required by this agreement have been made.

(b) Payment Security

SUBDIVIDER shall furnish additional good and sufficient security in the sum of $4,304,000, securing payment to the contractor, their subcontractors, and to persons renting equipment or furnishing labor, materials, or equipment. This security may, unless an appropriate waiver and release have been executed pursuant to Civil Code section 8122 *et seq.*, after the passage

of the time within which claims of lien are required to be recorded pursuant to Article 2 (commencing with Section 8410) of Chapter 4 of Title 2 of Part 6 of Division 4 of the Civil Code and after acceptance of the work by COUNTY, be reduced to an amount equal to the total claimed by all claimants for whom claims of lien have been recorded and notice thereof given in writing to the Humboldt County Board of Supervisors, and if no such claims have been recorded at the expiration of such time, the security shall be released in full.

If the security provided is not in the form of a bond and in the event the security for payment under this section becomes insufficient to pay all valid claims properly submitted, then the unencumbered balance, if any, of the other securities may be used for payment of such claims.

(c) Guarantee and Expenses Security

SUBDIVIDER shall furnish security in the sum of $431,000, securing SUBDIVIDER's one-year guarantee of all work performed under this agreement. SUBDIVIDER shall also furnish security in the sum of $431,000, securing payment of costs and reasonable expenses and fees, including attorney's fees, incurred by COUNTY in successfully enforcing this agreement. Said security shall be maintained until expiration of the one-year guarantee period set forth in Humboldt County Code section 326-2(b); thereafter, the Humboldt County Board of Supervisors may release such security. DIRECTOR shall furnish subdivider with the date upon which the one-year guarantee period commences.

(d) Monument Security

In accordance with Section 66496 of the Government Code, SUBDIVIDER has delivered to COUNTY the engineer's or surveyor's certificate which certifies on the final map where the monuments will be set. If the certificate states that the monuments will be set on or before a specified later date, SUBDIVIDER, at their sole expense, shall furnish COUNTY a good and sufficient corporate surety bond or a cash deposit in the amount of $111,020 guaranteeing payment for the actual cost of the setting of the monuments.

If the security provided is not in the form of a bond and in the event the cash deposit under this section becomes insufficient to pay the actual cost of the setting of the monuments, then the unencumbered balance, if any, of the other securities may be used for payment of such costs.

(e) Tax Security

In accordance with Government Code section 66493, SUBDIVIDER, at their sole expense, shall furnish to COUNTY a good and sufficient surety bond approved by the Humboldt County Board of Supervisors, or in lieu thereof, a deposit of money or negotiable bonds of a kind approved for securing deposits of public money in the sum of $0 for the benefit of COUNTY securing payment of all state, county, municipal, and local taxes and the current installment of principal and interest of all special assessments collected as taxes, which at the time the subdivision map is recorded are a lien against the property, but which are not yet payable.

(12) RELEASE OF SECURITY

(a) Pursuant to County Code Section 326-6.3, DIRECTOR may grant partial releases of Faithful Performance Security, Payment Security, and Monument Security as long as sufficient security remains to cover uncompleted work.

(b) When the DIRECTOR has determined that work has been completed, the applicable Faithful Performance Security, Payment Security, and Monument Security may be released.

(c) At the conclusion of the 12-month guarantee period and all remaining security may be released when the DIRECTOR has determined that all work is free from defects of material or workmanship and that the improvements perform satisfactorily.

(13) DEFAULT ON SURETY BOND

Should SUBDIVIDER fail to make all improvements required by this agreement within the time period herein specified, or should any improvements thereof fail to meet the standards imposed by this agreement and the security provided is in the form of a security bond, then COUNTY may elect to do the following:

(a) Give to SUBDIVIDER and its surety a notice requiring that said improvements or any part thereof be completed and/or brought up to the standards required by the terms of this agreement within a 30-day period, together with a statement that if this is not done, surety will be required to complete and/or bring up to standards the improvements or parts thereof.

(b) Upon failure of SUBDIVIDER to comply with the 30-day notice contained in subsection (a) of this paragraph, give to SUBDIVIDER and to said surety a notice demanding that the matters required in the notice given under subsection (a) of this paragraph be performed by said surety within a 30-day period, stating that if this is not done, such matters may be performed by COUNTY, either directly or indirectly by contracting with an outside contractor. In the event of such performance by COUNTY or an outside contractor hired by COUNTY, SUBDIVIDER and said surety shall be liable to COUNTY for all costs of such performance.

(14) DEFAULT - CASH SURETY OR INSTRUMENT OF CREDIT

Should SUBDIVIDER fail to make all the improvements required by this agreement within the time specified, or should such improvements or any part thereof fail to meet the standard imposed by this agreement and SUBDIVIDER has provided security other than in the form of a security bond, COUNTY may elect to give to SUBDIVIDER a notice requiring that said improvements or any part thereof be completed and/or brought up to standards imposed by this agreement within a 30-day period, together with a statement that if this is not done, such matters may be performed by COUNTY either directly or indirectly by contracting with an outside contractor. In the event of such performance by COUNTY or an outside contractor hired by COUNTY, SUBDIVIDER shall be liable to COUNTY for all costs of such performance. Such costs may be collected from SUBDIVIDER's security, and from SUBDIVIDER, if the costs exceed the amount of the security.

(15) CONFLICT

In the event of conflict between this agreement and applicable state laws or local ordinances, the applicable provisions of law shall prevail.

(16) NOTICE

Any notice that is provided for herein to be given to SUBDIVIDER shall be deemed to be given when it is placed in the United States mail, first class and postage prepaid, addressed to

SUBDIVIDER at 5251 Ericson Way, Ste A, Arcata Ca 95521, or such other address as SUBDIVIDER may designate by written notice filed with the Clerk of the Humboldt County Board of Supervisors.

(17) TERMINATION

(a) Pursuant to Humboldt County Code section 326-2(a), the SUBDIVIDER may request that this agreement be terminated, and all security released if the land subject to this agreement has been reverted to acreage in conformance with Humboldt County Code section 327-1 *et seq.*

In the event that the SUBDIVIDER has not commenced any work subject to this agreement, DIRECTOR may grant a full release of Faithful Performance Security, Payment Security, Guarantee and Expenses Security, and Monument Security.

In the event that the SUBDIVIDER has commenced with any work subject to this agreement, the DIRECTOR may require the SUBDIVIDER to bring that work to a logical point of conclusion prior to this agreement being terminated. DIRECTOR may grant a full release of Faithful Performance Security, Payment Security, and Monument Security. DIRECTOR may grant a partial release of Guarantee and Expenses Security, retaining a portion sufficient to cover the 12-month guarantee period. DIRECTOR shall furnish subdivider with the date upon which the one-year guarantee period commences. At the conclusion of the 12-month guarantee period, all remaining security may be released when the DIRECTOR has determined that all work is free from defects of material or workmanship and that the improvements perform satisfactorily.

(b) This agreement may be terminated at the conclusion of the 12-month guarantee period and all remaining security may be released when the DIRECTOR has determined that all work is free from defects of material or workmanship and that the improvements perform satisfactorily.

(c) This agreement shall not be terminated until any outstanding charges for Services provided in Section 5 have been paid in full.

(18) AMENDMENT

The terms of this agreement may be amended only in writing with the consent of both parties.

(19) ASSIGNMENT

SUBDIVIDER shall not assign its obligations, duties, or rights hereunder, either in whole or in part, without COUNTY's prior written consent. Any assignment by SUBDIVIDER in violation of this provision shall be void.

(20) AGREEMENT SHALL BIND SUCCESSORS

All provisions of this Agreement shall be fully binding upon, and inure to the benefit of, the parties and to each of their heirs, executors, administrators, transfers, successors and permitted assigns.

//

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their duly authorized officers the day and year first above written.

(SEAL)
ATTEST:
CLERK OF THE BOARD

BY _____

SUBDIVIDER:

SAMOA PACIFIC GROUP, LLC

BY _____
DANIEL J. JOHNSON, MEMBER

INSURANCE CERTIFICATES
REVIEWED AND APPROVED

BY _____
RISK MANAGER

COUNTY OF HUMBOLDT

BY _____
CHAIR,
BOARD OF SUPERVISORS
COUNTY OF HUMBOLDT,
STATE OF CALIFORNIA

EXHIBIT A

OWNER'S STATEMENT

THAT THE UNDERSIGNED, BEING THE PARTIES HAVING A RECORD TITLE INTEREST IN THE REAL PROPERTY BEING SUBDIVIDED BY THIS MAP, DO HEREBY CONSENT TO THE PREPARATION AND RECORDATION OF THIS MAP AND TO THE DEDICATION OF THE EASEMENTS FOR THE PURPOSES SHOWN HEREON. THE EXPRESSED RIGHTS TO THE PUBLIC IN GENERAL AND TO THE SEVERAL UTILITY COMPANIES SHALL BE AND SHALL REMAIN INFERIOR TO THE SUPERIOR RIGHTS OF THE COUNTY OF HUMBOLDT.

SAMOA PACIFIC GROUP, LLC

_____ DATED 5-10-2021

BY: DANIEL J. JOHNSON, MEMBER

_____ DATED 5-10-2021

LEENDERT DEVRIES, BENEFICIARY OF A DEED OF TRUST RECORDED ON JUNE 8, 2001 AS INSTRUMENT NO. 2001-14061-15, HUMBOLDT COUNTY RECORDS

Kathryn DeVries DATED 5-10-21

KATHRYN DEVRIES, BENEFICIARY OF A DEED OF TRUST RECORDED ON JUNE 8, 2001 AS INSTRUMENT NO. 2001-14061-15, HUMBOLDT COUNTY RECORDS

WORLD FLOWER, B.V. A NETHERLANDS COMPANY AND ROOYAKKERS, B.V. A NETHERLANDS COMPANY, BENEFICIARY OF A DEED OF TRUST RECORDED ON JUNE 8, 2001 AS INSTRUMENT NO. 2001-14061-15, HUMBOLDT COUNTY RECORDS

BY: _____ DATED 5-10-2021

PRINTED NAME: LEENDERT DEVRIES TITLE: SPECIAL AGENT

COUNTY OF HUMBOLDT, BENEFICIARY OF DEEDS OF TRUST RECORDED:
MAY 30, 2014 AS INSTRUMENT NO. 2014-009496-6, HUMBOLDT COUNTY RECORDS
MAY 10, 2018 AS INSTRUMENT NO. 2018-008706, HUMBOLDT COUNTY RECORDS
MAY 10, 2018 AS INSTRUMENT NO. 2018-008707, HUMBOLDT COUNTY RECORDS

BY: _____ DATED 5-21-21

PRINTED NAME: Amy Nilsen TITLE: County Administrative Officer

TAX COLLECTOR'S CERTIFICATE

I, JOHN BARTHOLOMEW, TAX COLLECTOR OF HUMBOLDT COUNTY, CALIFORNIA, HEREBY CERTIFY THAT ACCORDING TO RECORDS OF THIS OFFICE, AS OF THIS DATE, THERE ARE NO TAX LIENS CURRENTLY DUE AGAINST THE LAND WITHIN THIS SUBDIVISION OR PARCEL DESCRIPTION DESCRIBED AS ASSESSOR'S PARCELS NO. 401-031-055 AND 401-031-070 FOR UNPAID COUNTY TAXES OR SPECIAL ASSESSMENTS.

I FURTHER CERTIFY THAT TAXES OR ASSESSMENTS WHICH WILL BECOME A LIEN ON THE PROPERTY, BUT WHICH ARE NOT YET CURRENTLY DUE, ARE ESTIMATED AT $ 7944.92 AND THAT A BOND IN THIS AMOUNT HAS BEEN COLLECTED AND DEPOSITED WITH THIS OFFICE ON BEHALF OF THE BOARD OF SUPERVISORS.

JOHN BARTHOLOMEW
HUMBOLDT COUNTY TAX COLLECTOR
BY: Shannon Wilson DEPUTY DATE: 6/24/2021
PRINTED NAME: Shannon Wilson

CLERK OF THE BOARD STATEMENT

I, KATHY HAYES, CLERK OF THE BOARD OF SUPERVISORS OF THE COUNTY OF HUMBOLDT, STATE OF CALIFORNIA, HEREBY CERTIFY THAT SAID BOARD OF SUPERVISORS, AT A MEETING HELD ON _____ 20___, AT WHICH A QUORUM WAS PRESENT, APPROVED THE SUBDIVISION MAP. SAID BOARD ACCEPTED THOSE PARCELS OF LAND AND EASEMENTS AS OFFERED FOR DEDICATION FOR THE USES SET FORTH ON THE ACCOMPANYING SUBDIVSION MAP IN CONFORMITY WITH THE TERMS AND DEDICATIONS SUMMARIZED AS FOLLOWS:

BAY VIEW AVENUE - PUBLIC UTILITY EASEMENT ONLY
CADMAN COURT - PUBLIC UTILITY EASEMENT ONLY
CUTTEN STREET - PUBLIC UTILITY EASEMENT ONLY
FENWICK AVENUE - PUBLIC UTILITY EASEMENT ONLY
MURPHY AVENUE - PUBLIC UTILITY EASEMENT ONLY
PACIFIC COURT - PUBLIC UTILITY EASEMENT ONLY
RIDEOUT STREET - PUBLIC UTILITY EASEMENT ONLY
SAMOA COURT - PUBLIC UTILITY EASEMENT ONLY
SUNSET AVENUE - PUBLIC UTILITY EASEMENT ONLY
PUBLIC UTILITY EASEMENT (PUE) AND SIDEWALK EASEMENT
PARCEL D - PUBLIC UTILITY EASEMENT

SUNSET CIRCLE - PUBLIC UTILITY EASEMENT ONLY

SUNSET EXTENSION - PUBLIC UTILITY EASEMENT ONLY

I FURTHER CERTIFY TO THE ABANDONMENT OF THE EASEMENTS AS DESCRIBED IN THE ABANDONMENT STATEMENT HEREON, BY THE FILING OF THIS MAP, PURSUANT TO SECTION 66434(g) OF THE GOVERNMENT CODE.

KATHY HAYES
CLERK OF THE BOARD OF SUPERVISORS

BY: _____ DEPUTY DATE: _____

_____
PRINT NAME

NOTARY ACKNOWLEDGMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA
COUNTY OF Humboldt
ON May 10, 2021 BEFORE ME, Hailey Del Grande NOTARY PUBLIC, PERSONALLY APPEARED Daniel J. Johnson, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(~~S~~) WHOSE NAME(~~S~~) IS/~~ARE~~ SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/~~SHE/THEY~~ EXECUTED THE SAME IN HIS/~~HER/THEIR~~ AUTHORIZED CAPACITY(~~IES~~), AND THAT BY HIS/~~HER/THEIR~~ SIGNATURE(~~S~~) ON THE INSTRUMENT THE PERSON(~~S~~), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(~~S~~) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRENT.

WITNESS MY HAND AND OFFICIAL SEAL: MY PRINCIPAL PLACE OF BUSINESS IS IN
SIGNATURE Hailey Delgrande Humboldt COUNTY
PRINTED NAME Hailey Del Grande MY COMMISSION EXPIRES 8-24-23
(OFFICIAL SEAL NOT REQUIRED)

NOTARY ACKNOWLEDGMENT

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STATE OF CALIFORNIA
COUNTY OF Humboldt
ON May 10, 2021 BEFORE ME, Hailey Del Grande NOTARY PUBLIC, PERSONALLY APPEARED Leendert Devries and Kathryn Devries WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) ~~IS~~/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT ~~HE/SHE~~/THEY EXECUTED THE SAME IN ~~HIS/HER~~/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY ~~HIS/HER~~/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

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SIGNATURE Hailey Delgrande Humboldt COUNTY
PRINTED NAME Hailey Del Grande MY COMMISSION EXPIRES 8-24-23
(OFFICIAL SEAL NOT REQUIRED)

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STATE OF CALIFORNIA
COUNTY OF Humboldt
ON May 10, 2021 BEFORE ME, Hailey Del Grande NOTARY PUBLIC, PERSONALLY APPEARED Leendert Devries, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(~~S~~) WHOSE NAME(~~S~~) IS/~~ARE~~ SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/~~SHE/THEY~~ EXECUTED THE SAME IN HIS/~~HER~~/THEIR AUTHORIZED CAPACITY(~~IES~~), AND THAT BY HIS/~~HER~~/THEIR SIGNATURE(~~S~~) ON THE INSTRUMENT THE PERSON(~~S~~), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(~~S~~) ACTED, EXECUTED THE INSTRUMENT.

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SIGNATURE Hailey Delgrande Humboldt COUNTY
PRINTED NAME Hailey Del Grande MY COMMISSION EXPIRES 8-24-23
(OFFICIAL SEAL NOT REQUIRED)

SEE SHEET 2 FOR ADDITIONAL NOTARY ACKNOWLEDGEMENT

SEE SHEET 15 FOR COUNTY DEDICATIONS, EASEMENTS CREATED BY THIS MAP, EASEMENTS OF RECORD, ABANDONMENT STATEMENT AND SURVEY NOTES.

NON-COUNTY LANE NOTE

IF THE PRIVATE LANE OR LANES SHOWN ON THIS PLAN OF SUBDIVISION, OR ANY PART THEREOF, ARE TO BE ACCEPTED BY THE COUNTY FOR THE BENEFIT OF THE LOT OWNERS ON SUCH LANE RATHER THAN THE BENEFITS OF THE COUNTY GENERALLY, SUCH PRIVATE LANE OR LANES OR PARTS THEREOF SHALL FIRST BE IMPROVED AT THE SOLE COST OF THE AFFECTED LOT OWNER OR OWNERS, SO AS TO COMPLY WITH THE SPECIFICATIONS AS CONTAINED IN THE THEN-APPLICABLE SUBDIVISION REGULATIONS RELATING TO PUBLIC STREETS.

COUNTY RECORDER'S STATEMENT

FILED THIS _____ DAY OF _____ 2021 AT _____M.
IN BOOK _____ OF MAPS, PAGES _____ HUMBOLDT COUNTY RECORDS AT THE REQUEST OF KELLY-O'HERN ASSOCIATES.

KELLY E. SANDERS
HUMBOLDT COUNTY RECORDER

BY: _____ DEPUTY

_____
PRINT NAME

FEE: _____

INSTRUMENT NO. _____

COUNTY SURVEYOR'S STATEMENT

I HEREBY STATE THAT I HAVE EXAMINED THIS MAP; THAT THE SUBDIVISION, AS SHOWN, IS SUBSTANTIALLY THE SAME AS IT APPEARED ON THE TENTATIVE MAP AND ANY APPROVED ALTERATIONS THEREOF; THAT ALL PROVISIONS OF THE SUBDIVISION MAP ACT AND OF ANY LOCAL SUBDIVISION ORDINANCES OF THE COUNTY OF HUMBOLDT APPLICABLE AT THE TIME OF APPROVAL OF THE TENTATIVE MAP HAVE BEEN COMPLIED WITH; AND THAT I AM SATISFIED THAT THIS MAP IS TECHNICALLY CORRECT.

_____ 7/2/2021

RONALD C. GARTON PLS 7177 DATE
HUMBOLDT COUNTY SURVEYOR

PROFESSIONAL LAND SURVEYOR RONALD C. GARTON No. 7717 STATE OF CALIFORNIA

SURVEYOR'S STATEMENT

THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE AT THE REQUEST OF DAN JOHNSON IN JUNE 2020. I HEREBY STATE THAT ALL THE MONUMENTS ARE OF THE CHARACTER, AND OCCUPY THE POSITIONS INDICATED, OR THAT THEY WILL BE SET IN THOSE POSITIONS BEFORE JULY 2022, AND THAT THE MONUMENTS ARE, OR WILL BE, SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, AND THAT THIS FINAL MAP SUBSTANTIALLY CONFORMS TO THE CONDITIONALLY APPROVED TENTATIVE MAP. I HEREBY STATE THAT SAID SURVEY IS TRUE AND COMPLETE AS SHOWN.

Michael J. O'Hern JUNE 19, 2021

MICHAEL J. O'HERN LS 4829 DATE

LICENSED LAND SURVEYOR MICHAEL J. O'HERN No. 4829 STATE OF CALIFORNIA

TRACT NO. _____
TOWN OF SAMOA SUBDIVISION PHASE 1

FOR

SAMOA PACIFIC GROUP, LLC

IN

SECTIONS 16 & 17 T5N, R1W, HUMBOLDT MERIDIAN
IN THE UNINCORPORATED AREA OF HUMBOLDT COUNTY
MARCH 2021

HUMBOLDT COUNTY
STATE OF CALIFORNIA

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

NOTARY ACKNOWLEDGMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF Humboldt

ON May 21, 2021 BEFORE ME, Kelly Lee Barnes NOTARY PUBLIC, PERSONALLY APPEARED Amy Nissen, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRENT.

WITNESS MY HAND AND OFFICIAL SEAL:

SIGNATURE Kelly L. Barnes

PRINTED NAME Kelly L. Barnes

(OFFICIAL SEAL NOT REQUIRED)

MY PRINCIPAL PLACE OF BUSINESS IS IN Humboldt COUNTY

MY COMMISSION EXPIRES April 25, 2022

No. 2238075

DEVELOPMENT PLAN NOTE

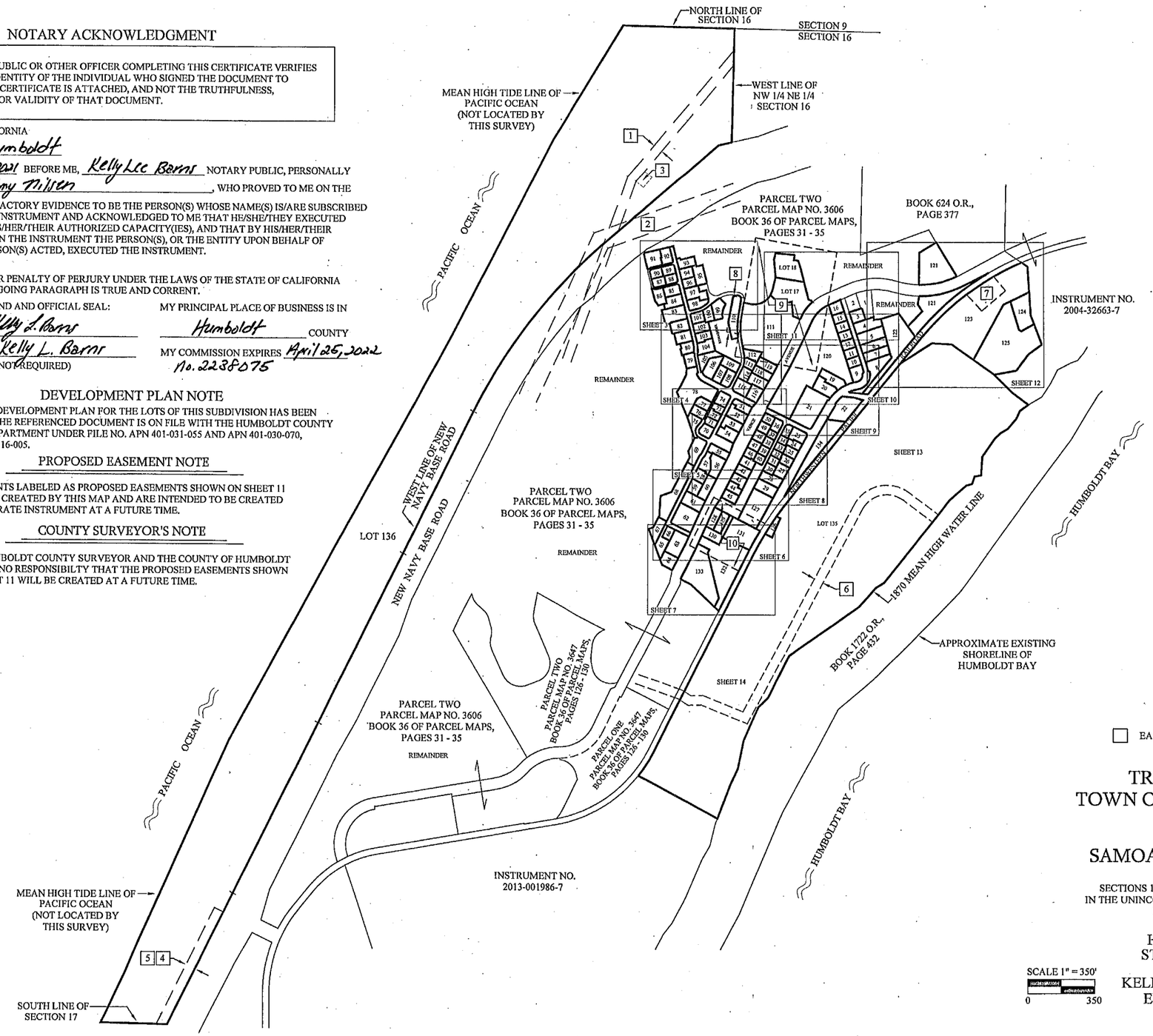
A NOTICE OF DEVELOPMENT PLAN FOR THE LOTS OF THIS SUBDIVISION HAS BEEN RECORDED. THE REFERENCED DOCUMENT IS ON FILE WITH THE HUMBOLDT COUNTY PLANNING DEPARTMENT UNDER FILE NO. APN 401-031-055 AND APN 401-030-070, CASE NO. FMS 16-005.

PROPOSED EASEMENT NOTE

EASEMENTS LABELED AS PROPOSED EASEMENTS SHOWN ON SHEET 11 ARE NOT CREATED BY THIS MAP AND ARE INTENDED TO BE CREATED BY SEPARATE INSTRUMENT AT A FUTURE TIME.

COUNTY SURVEYOR'S NOTE

THE HUMBOLDT COUNTY SURVEYOR AND THE COUNTY OF HUMBOLDT ASSUME NO RESPONSIBILTY THAT THE PROPOSED EASEMENTS SHOWN ON SHEET 11 WILL BE CREATED AT A FUTURE TIME.



LEGEND

☐ EASEMENTS OF RECORD, SEE SHEET 15

TRACT NO. _____
TOWN OF SAMOA SUBDIVISION PHASE 1

FOR

SAMOA PACIFIC GROUP, LLC

IN

SECTIONS 16 & 17 T5N, R1W, HUMBOLDT MERIDIAN
IN THE UNINCORPORATED AREA OF HUMBOLDT COUNTY
MARCH 2021 SCALE 1" = 350'

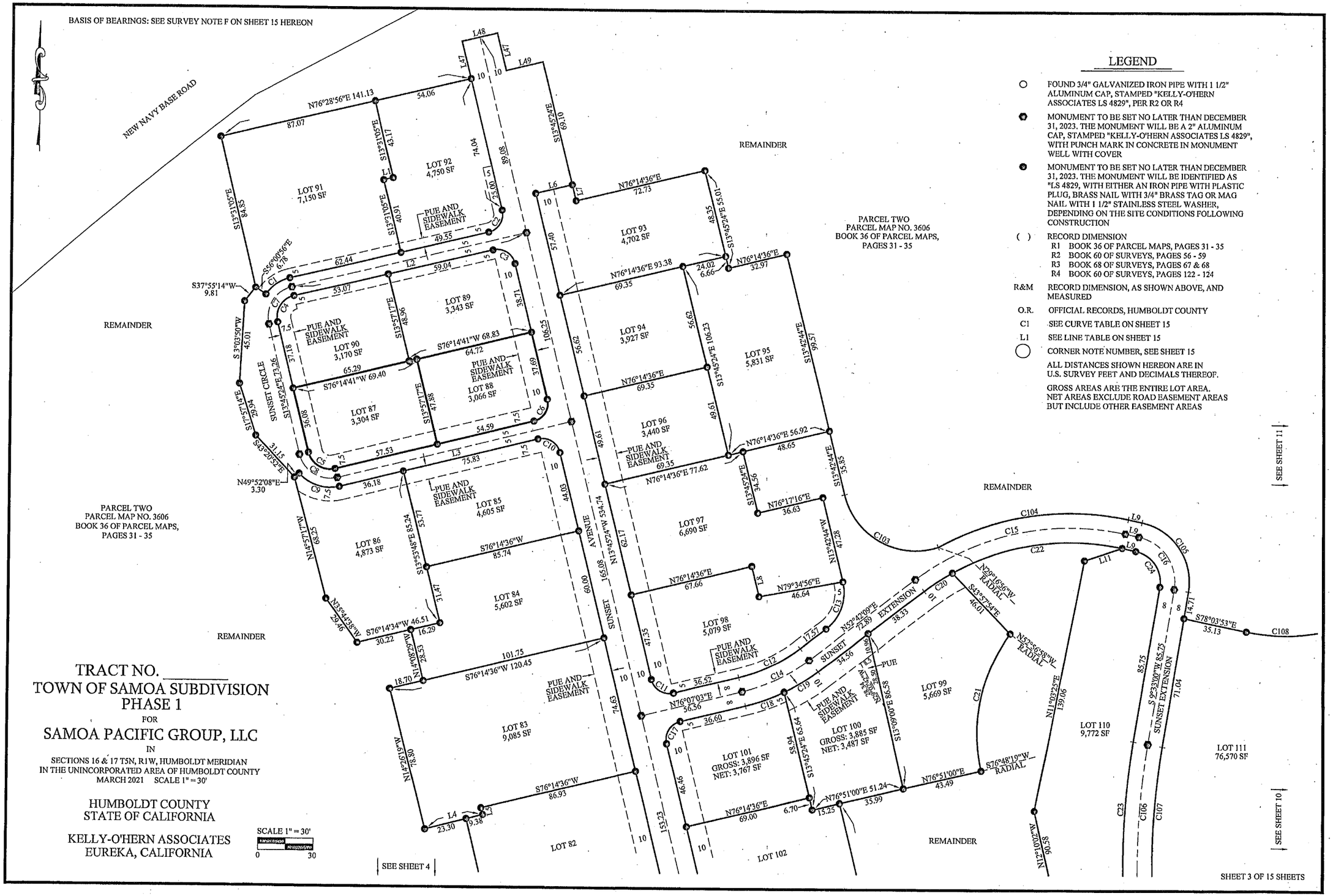
HUMBOLDT COUNTY
STATE OF CALIFORNIA

SCALE 1" = 350'
0 350

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

BOOK _____ OF MAPS, PAGE _____

BASIS OF BEARINGS: SEE SURVEY NOTE F ON SHEET 15 HEREON



LEGEND

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( )	RECORD DIMENSION R1 BOOK 36 OF PARCEL MAPS, PAGES 31 - 35 R2 BOOK 60 OF SURVEYS, PAGES 56 - 59 R3 BOOK 68 OF SURVEYS, PAGES 67 & 68 R4 BOOK 60 OF SURVEYS, PAGES 122 - 124
R&M	RECORD DIMENSION, AS SHOWN ABOVE, AND MEASURED
O.R.	OFFICIAL RECORDS, HUMBOLDT COUNTY
C1	SEE CURVE TABLE ON SHEET 15
L1	SEE LINE TABLE ON SHEET 15
◯	CORNER NOTE NUMBER, SEE SHEET 15

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STATE OF CALIFORNIA

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

SHEET 3 OF 15 SHEETS

BOOK _____ OF MAPS, PAGE _____

BASIS OF BEARINGS: SEE SURVEY NOTE F ON SHEET 15 HEREON

SEE SHEET 3

LOT 83 | LOT 82 5,782 SF | LOT 81 5,207 SF | LOT 80 4,125 SF | LOT 79 4,283 SF | LOT 78 26,257 SF | LOT 77 | LOT 101 | LOT 102 4,272 SF | LOT 103 4,382 SF | LOT 104 5,605 SF | LOT 105 GROSS: 5,741 SF NET: 5,147 SF | LOT 106 GROSS: 7,538 SF NET: 6,393 SF | LOT 107 GROSS: 4,438 SF NET: 4,016 SF | LOT 108 4,576 SF | LOT 109 GROSS: 5,109 SF NET: 5,106 SF | LOT 100 | LOT 99 | LOT 110 | LOT 111 76,570 SF | LOT 112 4,236 SF | LOT 113 3,024 SF | LOT 114 3,608 SF | LOT 115 5,857 SF | LOT 116 5,422 SF | LOT 117 4,775 SF | LOT 118 5,095 SF | LOT 119 5,194 SF | LOT 74 | LOT 51

PARCEL TWO
PARCEL MAP NO. 3606
BOOK 36 OF PARCEL MAPS,
PAGES 31 - 35

REMAINDER

PARCEL A

SUNSET AVENUE | SUNSET | MURPHY AVENUE | VANCE AVENUE | AVENUE

PUE AND SIDEWALK EASEMENT

EXISTING OVERHEAD POWER LINES - NO EASEMENT OF RECORD

PARCEL ONE
BOOK 36 OF PARCEL MAPS,
PAGES 126 - 130

SEE SHEET 11

SEE SHEET 5

LEGEND

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PHASE 1
FOR
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SECTIONS 16 & 17 T5N, R1W, HUMBOLDT MERIDIAN
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MARCH 2021 SCALE 1" = 30'

HUMBOLDT COUNTY
STATE OF CALIFORNIA

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

SCALE 1" = 30'
0 30

SHEET 4 OF 15 SHEETS

BOOK _____ OF MAPS, PAGE _____

BASIS OF BEARINGS: SEE SURVEY NOTE F ON SHEET 15 HEREON

REMAINDER

PARCEL TWO
PARCEL MAP NO. 3606
BOOK 36 OF PARCEL MAPS,
PAGES 31 - 35

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PARCEL MAP NO. 3606
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KELLY-O'HERN ASSOCIATES
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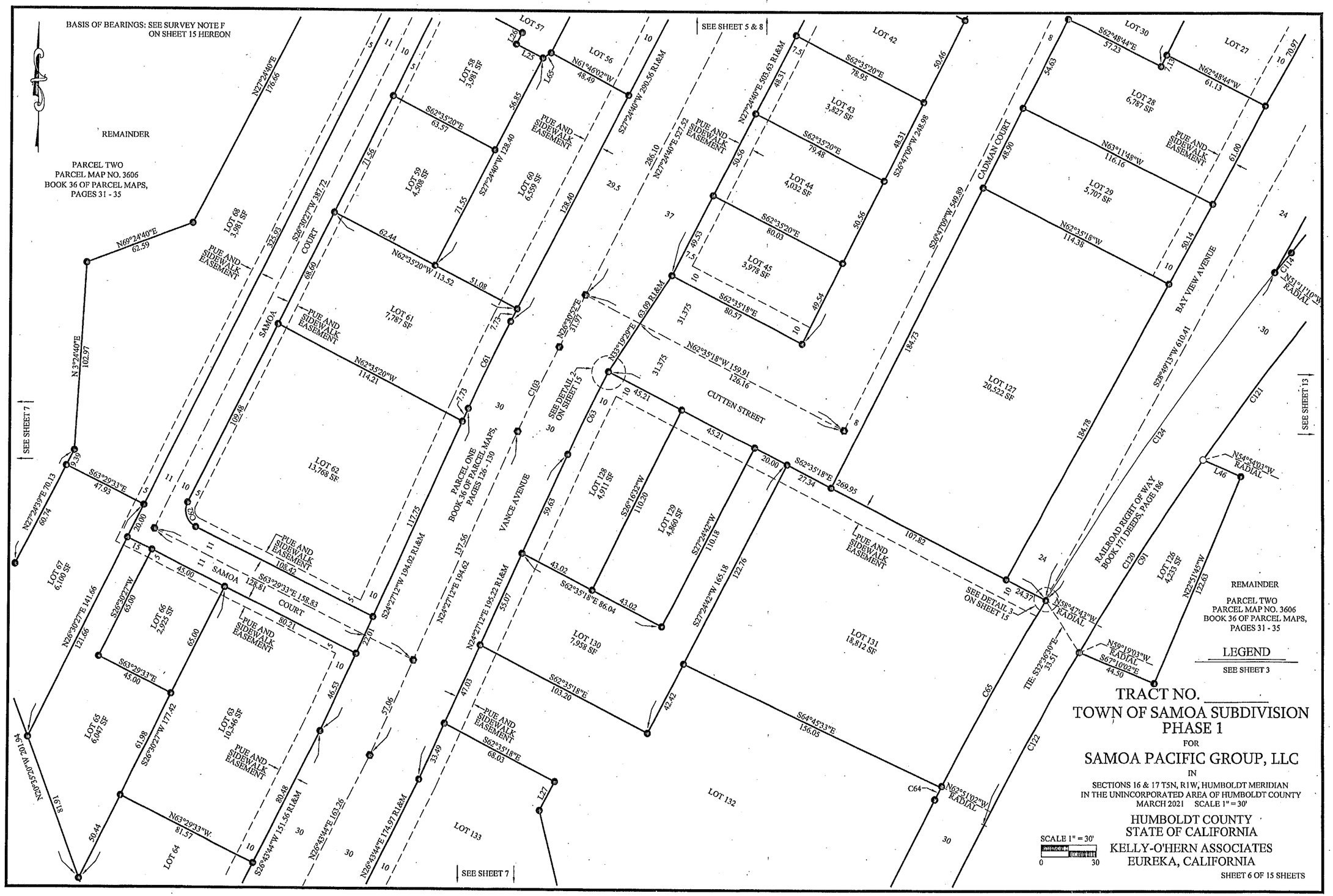
BOOK _____ OF MAPS, PAGE _____



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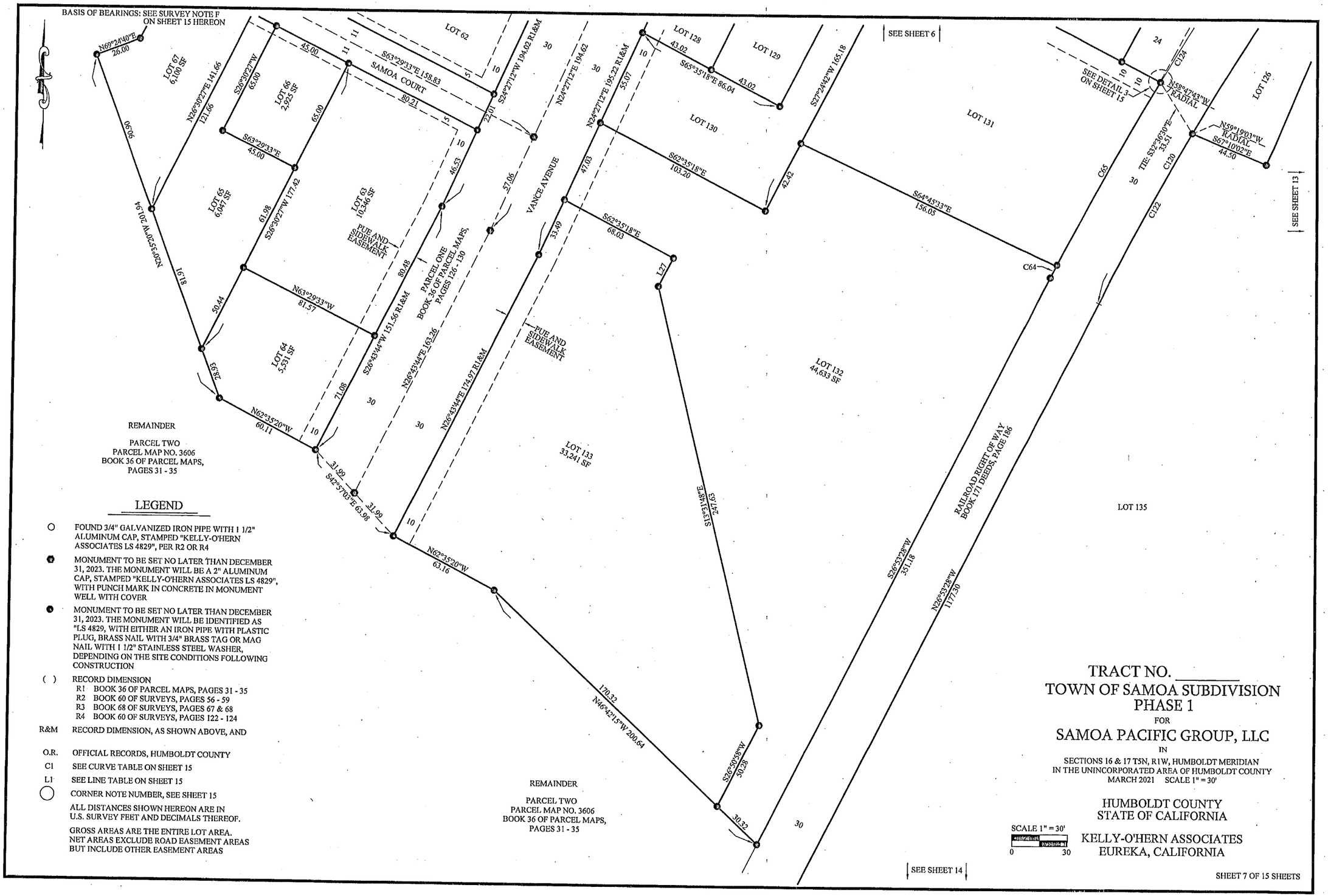

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STATE OF CALIFORNIA

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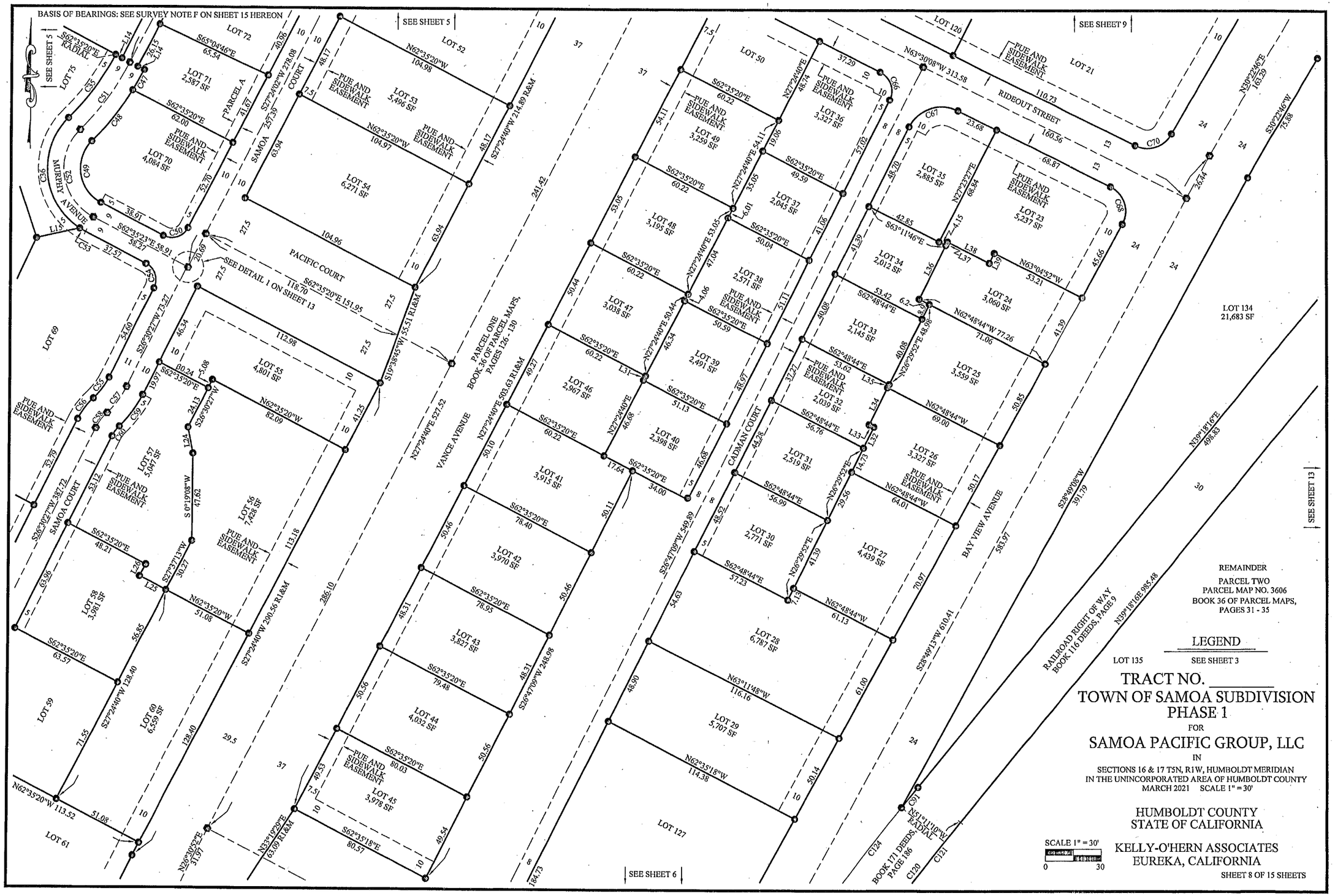
0 30

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

SHEET 7 OF 15 SHEETS

BOOK _____ OF MAPS, PAGE _____



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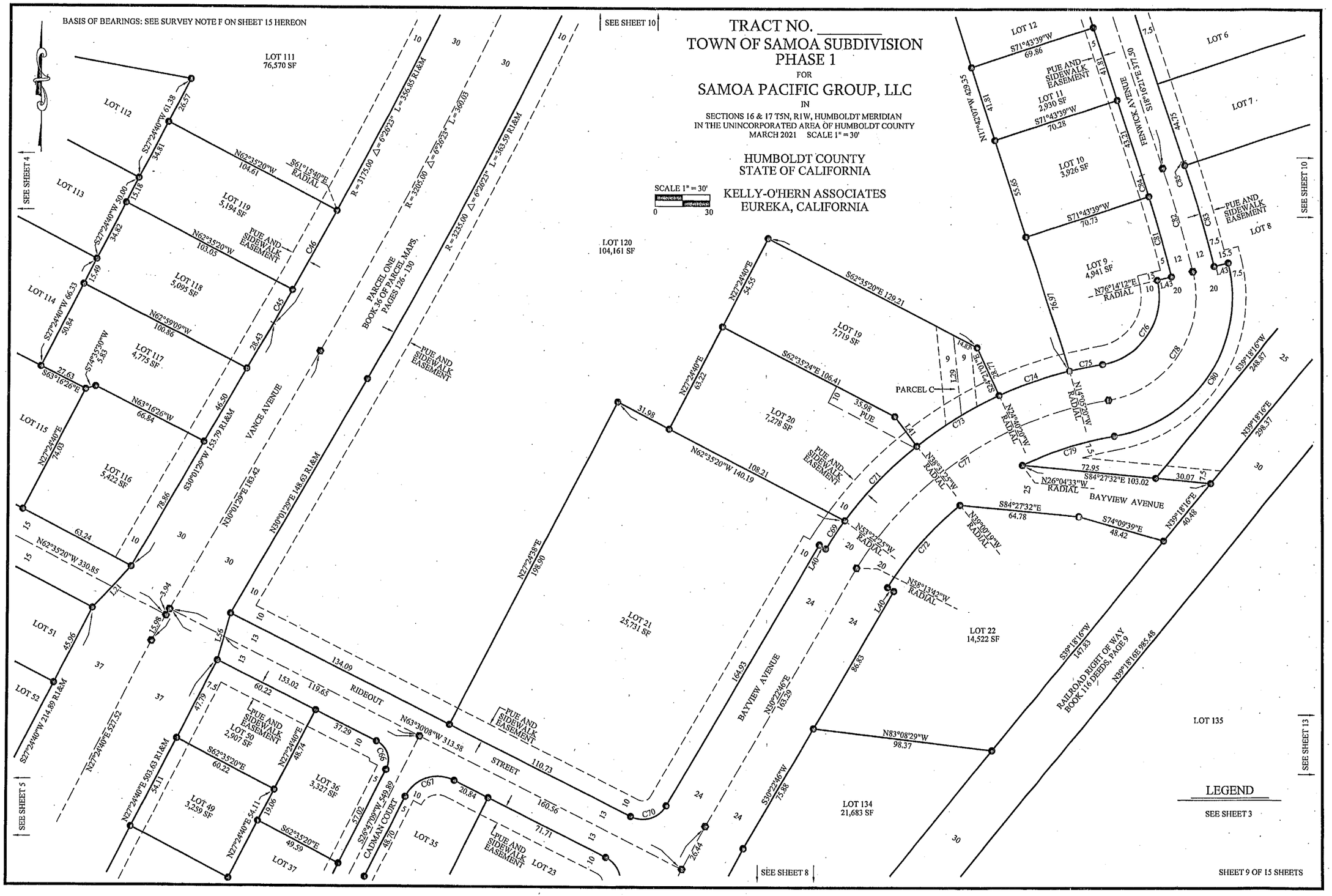

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BASIS OF BEARINGS: SEE SURVEY NOTE F ON SHEET 15 HEREON

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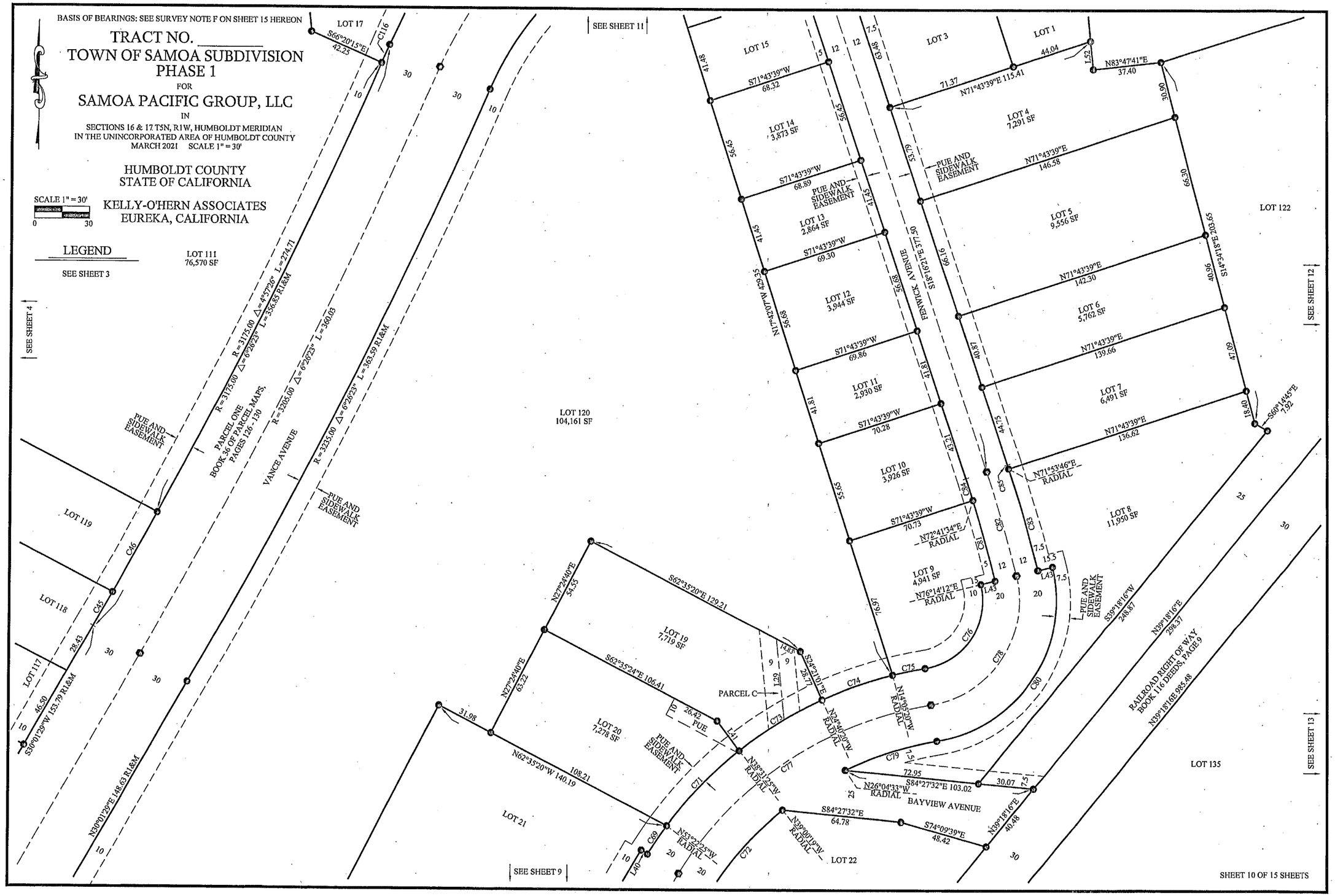
LEGEND



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BASIS OF BEARINGS: SEE SURVEY NOTE F ON SHEET 15 HEREON

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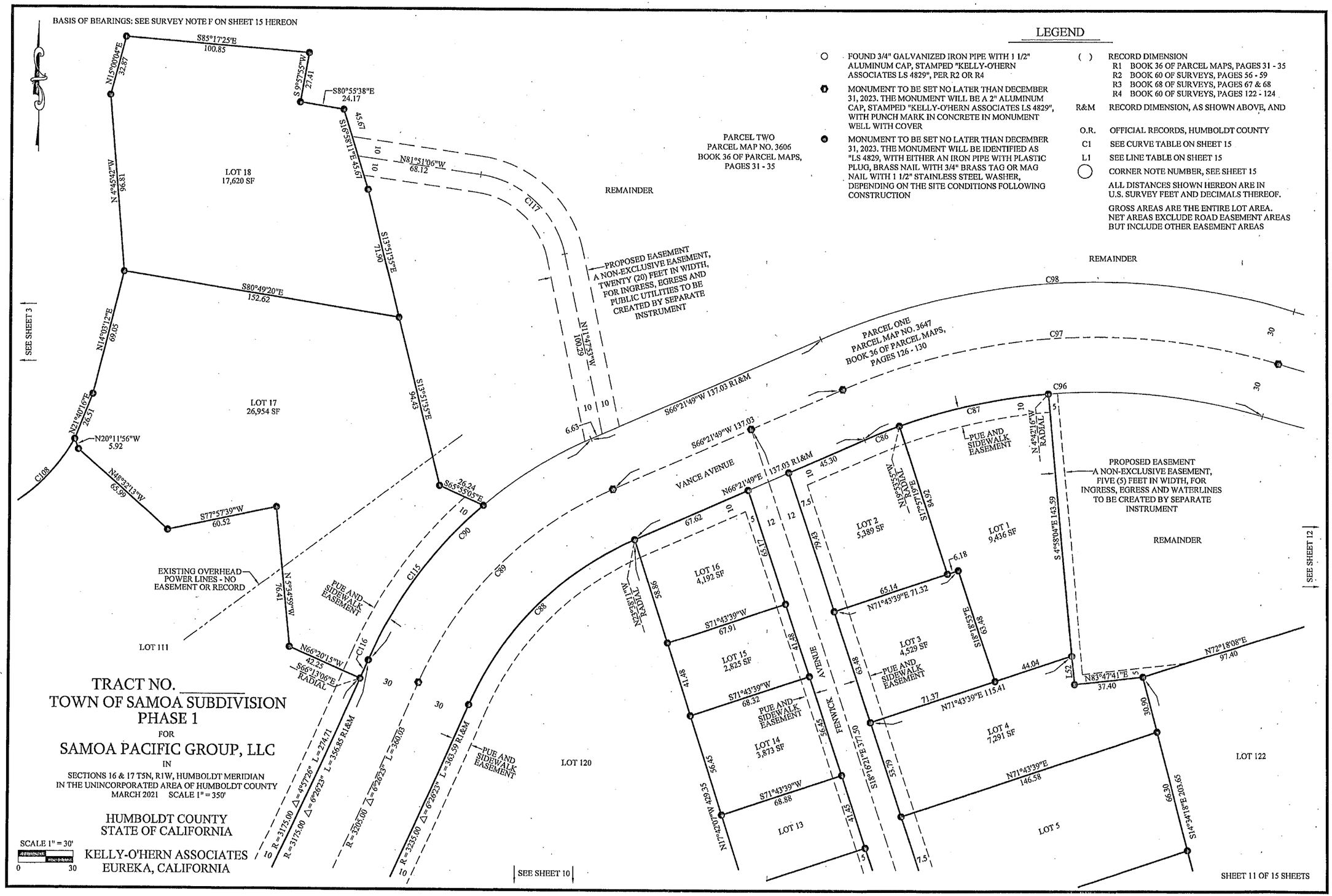

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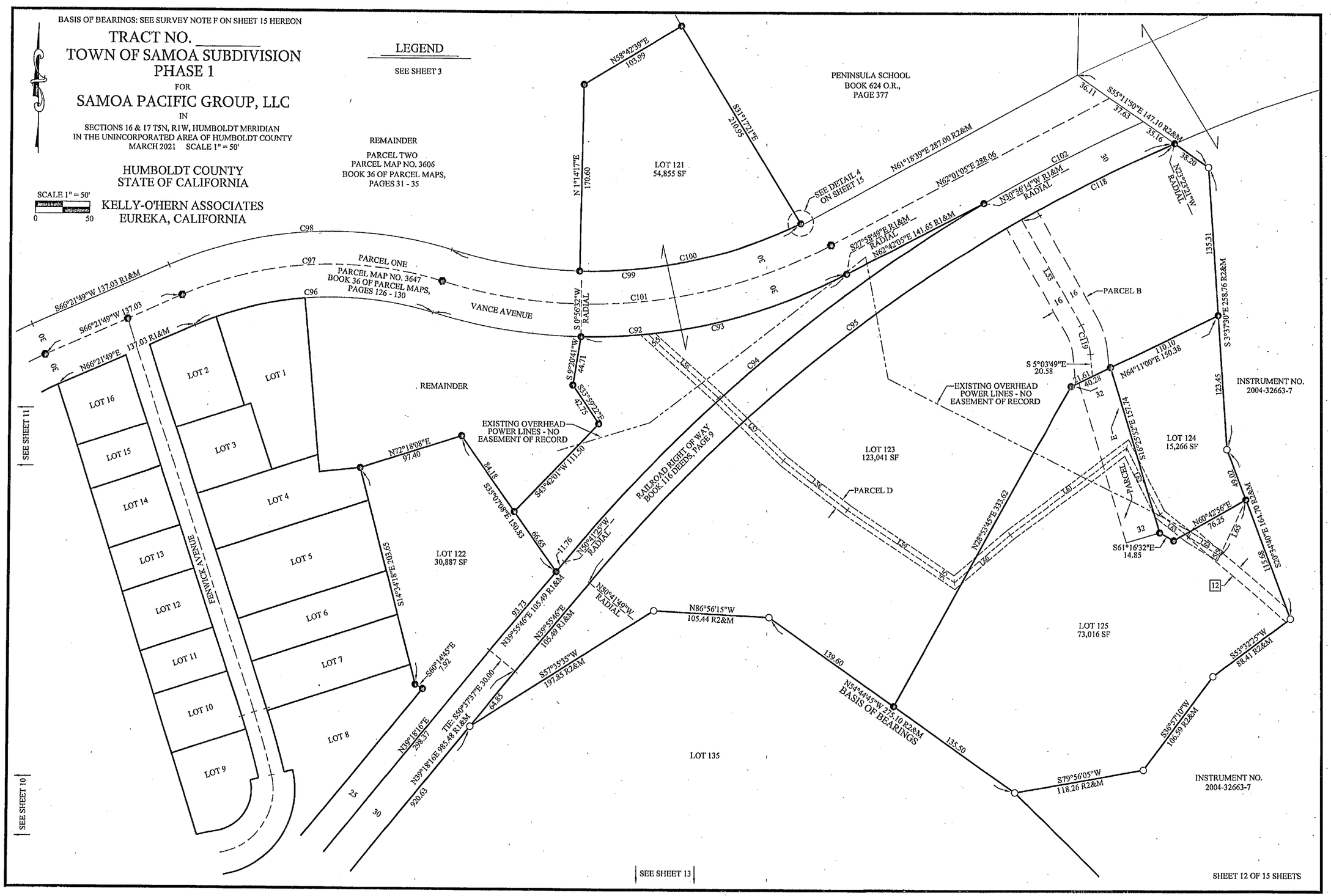

SHEET 12 OF 15 SHEETS

BOOK _____ OF MAPS, PAGE _____

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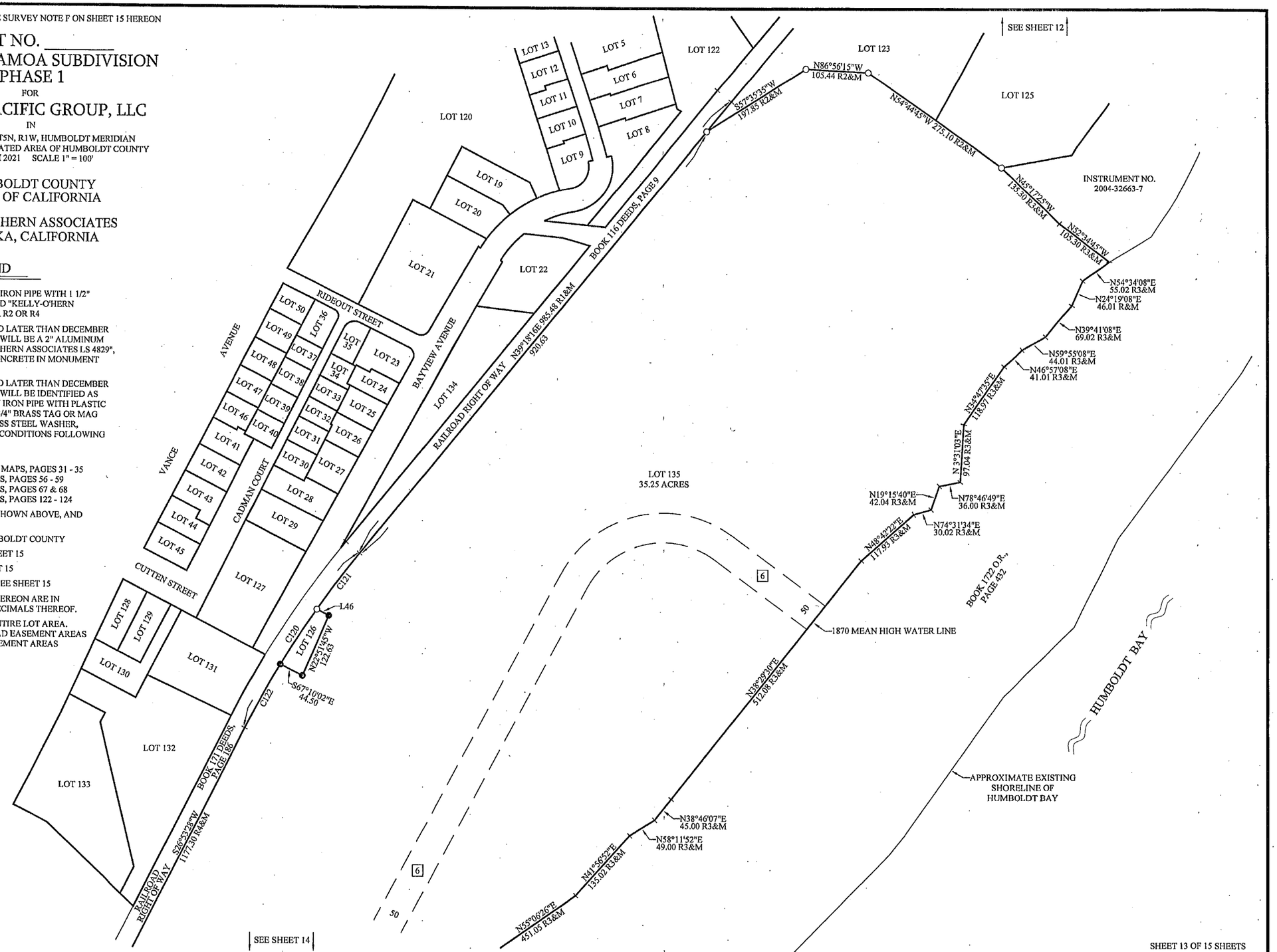


SHEET 13 OF 15 SHEETS

BOOK _____ OF MAPS, PAGE _____

BASIS OF BEARINGS: SEE SURVEYNOTE F ON SHEET 15 HEREON

SEE SHEET 13

PARCEL TWO
PARCEL MAP NO. 3606
BOOK 36 OF PARCEL MAPS,
PAGES 31 - 35

REMAINDER

LOT 63

LOT 64

LOT 130

LOT 132

LOT 133

LOT 133

VANCE AVENUE

PARCEL ONE PARCEL MAP NO. 3647
BOOK 36 OF PARCEL MAPS,
PAGES 126 - 130

BOOK 171 DEEDS, PAGE 186

REMAINDER

PARCEL TWO
PARCEL MAP NO. 3606
BOOK 36 OF PARCEL MAPS,
PAGES 31 - 35

S26°53'28"W
1177.30 R&M

LOT 135
35.25 ACRES

50

6

N38°29'30"E
512.08 R3&M

N38°46'07"E
45.00 R3&M

N58°11'52"E
49.00 R3&M

N41°56'52"E
135.02 R3&M

N55°00'26"E
451.05 R3&M

N27°00'42"E
160.89 R3&M

N25°26'03"E
88.09 R3&M

N45°40'21"E
71.01 R3&M

BOOK 1722 O.R.
PAGE 432

PARCEL TWO
PARCEL MAP NO. 3647
BOOK 36 OF PARCEL MAPS,
PAGES 126 - 130

RAILROAD RIGHT OF WAY

6

50

N23°59'46"E
192.02 R3&M

N11°30'48"E
150.01 R3&M

N24°42'48"E
98.01 R3&M

N21°07'48"E
185.46 R3&M

HUMBOLDT BAY

PARCEL ONE
PARCEL MAP NO. 3647
BOOK 36 OF PARCEL MAPS,
PAGES 126 - 130

S51°37'19"E
RADIAL

C123

S61°55'00"E
473.08 R1&M

INSTRUMENT NO.
2013-001986-7

APPROXIMATE EXISTING
SHORELINE OF
HUMBOLDT BAY

LEGEND

SEE SHEET 3

TRACT NO. _____
TOWN OF SAMOA SUBDIVISION
PHASE 1
FOR
SAMOA PACIFIC GROUP, LLC
IN
SECTIONS 16 & 17 T5N, R1W, HUMBOLDT MERIDIAN
IN THE UNINCORPORATED AREA OF HUMBOLDT COUNTY
MARCH 2021 SCALE 1" = 100'

HUMBOLDT COUNTY
STATE OF CALIFORNIA

SCALE 1" = 100'
0 100

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

BOOK _____ OF MAPS, PAGE _____

LINE TABLE

	BEARING	DISTANCE
L1	S76°28'55"W	5.18
L2	S76°28'55"W	132.05
L3	N76°02'43"E	132.06
L4	S75°33'37"W	32.68
L5	S15°16'36"E	3.78
L6	N76°17'32"E	20.65
L7	S13°45'24'E	9.03
L8	S13°42'44"E	16.98
L9	S77°48'30"E	7.69
L10	N 3°42'17"W	57.28
L11	N71°31'35"E	21.76
L12	N78°25'16"E	7.50
L13	N65°59'52"E	24.12
L14	N62°35'20"W	4.00
L15	N77°24'48"E	24.00
L16	NOT USED	
L17	NOT USED	
L18	NOT USED	
L19	NOT USED	
L20	S84°16'58"W	16.41
L21	S43°01'18"W	31.15 R1&M
L22	S62°35'20"E	17.58
L23	S27°24'40"W	7.26
L24	S11°02'48"E	14.43
L25	N62°35'20"W	16.37
L26	N27°24'40"E	7.10
L27	S27°24'40"W	17.68
L28	N74°38'02"W	31.08
L29	S 5°38'24"E	44.12
L30	N17°17'50"W	9.02
L31	N27°24'40"E	2.59
L32	N26°29'52"E	12.80
L33	N62°48'44"W	2.96
L34	N26°29'52"E	22.62
L35	N26°29'52"E	1.84
L36	N26°29'51"E	32.80
L37	N26°29'51"E	2.11
L38	N63°13'11"W	25.69
L39	S26°46'47"W	6.03
L40	N58°13'42"W	4.01
L41	S36°46'49"E	20.08
L42	NOT USED	
L43	S76°14'12"W	8.00
L44	N76°49'50"E	21.89
L45	N15°42'48"E	26.48 R1&M
L46	N66°01'15"W	22.74
L47	N13°45'24"W	21.10
L48	N76°14'36"E	20.00
L49	N76°28'56"E	20.65
L50	NORTH	14.70
L51	WEST	2.50
L52	S 5°34'50"E	15.52
L53	S29°17'13"E	110.15
L54	S27°05'52"W	22.20
L55	S56°44'08"W	5.29
L56	N48°11'26"W	86.73
L57	N46°04'25"W	82.68
L58	N52°33'13"W	73.67
L59	N56°06'52"W	118.02
L60	S49°36'19"W	67.01
L61	S53°06'29"W	132.06
L62	N26°46'17"W	67.52
L63	N52°14'33"W	33.64
L64	N59°20'43"W	33.50
L65	N25°04'26"E	56.16

CURVE TABLE

	RADIUS	DELTA	LENGTH		RADIUS	DELTA	LENGTH
C1	22.00	42°29'51"	16.32	C63	970.00	2°57'28"	50.07 R1&M
C2	10.00	90°14'17"	15.75	C64	1652.09	0°15'30"	7.45
C3	10.00	89°45'40"	15.67	C65	1652.09	4°03'19"	116.93
C4	12.00	90°14'19"	18.90	C66	11.50	90°17'50"	18.12
C5	12.00	90°11'55"	18.89	C67	20.00	89°42'43"	31.32
C6	10.00	89°48'06"	15.67	C68	15.00	92°19'21"	24.17
C7	17.00	90°14'19"	26.77	C69	220.00	4°51'17"	18.64
C8	17.00	90°11'55"	16.61	C70	15.00	86°07'05"	22.55
C9	22.00	62°53'52"	24.15	C71	220.00	14°51'01"	57.02
C10	10.00	90°11'53"	15.74	C72	180.00	19°13'23"	60.39
C11	10.00	90°07'33"	15.73	C73	220.00	13°51'05"	53.18
C12	92.00	23°24'54"	37.60	C74	220.00	10°35'00"	40.64
C13	25.00	66°24'53"	28.98	C75	220.00	4°45'14"	18.25
C14	100.00	23°24'54"	40.87	C76	37.50	94°25'42"	61.80
C15	140.00	49°29'21"	120.93	C77	200.00	48°53'36"	170.67
C16	25.00	87°21'30"	38.12	C78	57.50	94°25'42"	94.76
C17	10.00	89°52'27"	15.69	C79	180.00	16°44'27"	52.59
C18	108.00	11°59'19"	22.60	C80	77.50	94°25'42"	127.73
C19	108.00	11°25'35"	21.54	C81	738.00	3°32'38"	45.65
C20	132.00	7°59'44"	18.42	C82	750.00	4°30'33"	59.03
C21	89.83	50°14'43"	78.78	C83	762.00	4°20'26"	57.73
C22	132.00	41°29'37"	95.59	C84	738.00	0°57'55"	12.43
C23	408.00	16°59'16"	120.97	C85	762.00	0°10'07"	2.24
C24	17.00	87°21'30"	25.92	C86	315.00	3°44'16"	20.55
C25	210.00	4°07'25"	15.11	C87	315.00	15°11'39"	83.53
C26	210.00	9°37'59'	35.31	C88	175.00	42°46'43"	130.66 R1&M
C27	92.50	8°27'00"	13.64	C89	205.00	42°46'43"	153.06
C28	35.00	51°00'33"	31.16	C90	235.00	42°46'43"	175.46 R1&M
C29	20.00	90°41'06"	31.66	C91	1622.09	4°25'00"	125.04
C30	92.00	27°28'38	44.12	C92	500.00	44°44'58"	390.51 R1&M
C31	408.00	2°40'38"	19.06	C93	500.00	28°55'28"	252.41
C32	100.00	36°50'28"	64.30	C94	1447.69	20°05'31'	507.66
C33	65.00	50°59'14"	57.84	C95	1417.69	27°18'24"	675.65 R1&M
C34	10.00	90°00'00"	15.71	C96	315.00	40°24'21"	222.14 R1&M
C35	141.00	17°35'07"	43.28	C97	345.00	40°24'21"	243.30
C36	39.00	102°06'05"	69.50	C98	375.00	40°24'20"	264.45 R1&M
C37	10.00	90°00'00"	15.71	C99	440.00	42°43'45"	328.14 R1&M
C38	10.00	89°59'24"	15.71	C100	440.00	27°11'52"	208.86
C39	15.00	90°00'38"	23.56	C101	470.00	44°45'04"	367.10
C40	108.00	7°55'14"	14.93	C102	1447.69	6°28'51"	163.75 R1&M
C41	108.00	23°03'15"	43.46	C103	40.00	94°34'28"	66.02
C42	108.00	5°51'59"	11.06	C104	148.00	41°28'26"	107.13
C43	92.00	9°21'50"	15.04	C105	33.00	87°21'30"	50.32
C44	21.00	89°18'54"	32.74	C106	400.00	19°39'54"	137.29
C45	3175.00	0°22'59"	21.23	C107	392.00	19°39'54"	134.54
C46	3175.00	0°54'09"	50.02	C108	100.00	72°38'55"	126.80
C47	159.00	4°34'21"	12.69	C109	190.00	13°45'24"	45.62
C48	159.00	13°00'46"	36.11	C110	200.00	13°45'24"	48.02
C49	21.00	107°35'11"	39.43	C111	107.50	11°34'47"	21.73
C50	10.00	90°00'35"	15.71	C112	100.00	11°34'47"	20.21
C51	150.00	17°35'07"	46.04	C113	92.50	3°07'47"	5.05
C52	30.00	107°35'11"	56.33	C114	1652.09	0°29'26"	14.15
C53	39.00	5°29'06"	3.73	C115	235.00	25°52'08"	106.10
C54	10.00	89°05'50"	15.50	C116	3175.00	0°11'48"	10.90
C55	40.00	20°21'51"	14.22	C117	55.00	70°03'13"	67.25
C56	40.00	20°21'51"	14.21	C118	1417.69	6°19'22"	156.45
C57	51.00	20°21'51"	18.13	C119	66.00	24°13'24"	27.90
C58	29.00	20°21'51"	10.31	C120	1622.09	12°24'48"	351.43 R1&M
C59	61.00	20°21'51"	21.68	C121	1622.09	4°12'19"	119.05
C60	19.00	20°21'51"	6.75	C122	1622.09	3°47'29"	107.34
C61	1030.00	2°57'28"	53.17 R1&M	C123	709.65	11°29'13"	142.27 R4&M
C62	10.00	90°00'00"	15.71	C124	1652.09	7°36'32"	219.40

SURVEY NOTES

A. THIS MAP REPRESENTS THE SUBDIVISION OF PARCEL TWO OF PARCEL MAP NO. 3606, FILED IN BOOK 36 OF PARCEL MAPS, PAGES 31 - 35, HUMBOLDT COUNTY RECORDS, INTO 136 LOTS AND A REMAINDER.

B. THIS SURVEY IS BASED ON BOOK 36 OF PARCEL MAPS, PAGES 31 - 35, HUMBOLDT COUNTY RECORDS.

C. ACCESS ALONG VANCE AVENUE IS BASED ON THE RESERVATION ON A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES IN INSTRUMENT NO. 2019-004589, HUMBOLDT COUNTY RECORDS.

D. EASEMENTS AND OTHER ENCUMBRANCES THAT AFFECT THE REMAINDER ONLY ARE NOT SHOWN HEREON.

E. VARIOUS PUBLIC EASEMENTS ARE BEING ABANDONED BY THE FILING OF THIS MAP. SEE ABANDONMENT STATEMENT HEREON.

F. THE BASIS OF BEARINGS OF THIS MAP IS BOOK 60 OF SURVEYS, PAGES 56 - 59, AS SHOWN ON SHEET 12 OF THIS MAP. THIS BASIS OF BEARINGS IS THE SAME AS BOOK 36 OF PARCEL MAPS, PAGES 31 - 35.

G. ALL ROADS SHOWN HEREON ARE NON-COUNTY MAINTAINED, EXCEPT FOR NEW NAVY BASE ROAD.

ABANDONMENT STATEMENT

PURSUANT TO SECTION 66434 (g) OF THE SUBDIVISION MAP ACT, THE FILING OF THIS FINAL MAP CONSTITUTES ABANDONMENT OF THOSE STREETS AND ACCESS RIGHTS ACQUIRED BY THE COUNTY OF HUMBOLDT PER:

BOOK 5 OF MAPS, PAGE 74 - AMENDED MAP OF SAMOA OR WEST EUREKA
BOOK 93 DEEDS, PAGE 151 - EASEMENTS GRANTED TO COUNTY OF HUMBOLDT
BOOK 139 DEEDS, PAGE 42 - EASEMENT GRANTED TO COUNTY OF HUMBOLDT
BOOK 190 DEEDS, PAGE 463 - EASEMENT GRANTED TO COUNTY OF HUMBOLDT

EASEMENTS CREATED BY THIS MAP

BAY VIEW AVENUE, CADMAN COURT, CUTTEN STREET, FENWICK AVENUE, MURPHY AVENUE, PACIFIC COURT, RIDEOUT STREET, SAMOA COURT, SUNSET AVENUE, SUNSET CIRCLE AND SUNSET EXTENSION ARE NON-EXCLUSIVE EASEMENTS FOR INGRESS, EGRESS AND PUBLIC UTILITIES FOR THE BENEFIT OF ALL LOTS IN PHASE 1 AND FUTURE PHASES OF THIS SUBDIVISION.

PARCEL A - A NON-EXCLUSIVE EASEMENT, OF VARYING WIDTHS, FOR INGRESS AND EGRESS FOR THE BENEFIT OF LOTS 104, 105, 106 AND 107 OF THIS SUBDIVISION.

PARCEL B - A NON-EXCLUSIVE EASEMENT, THIRTY TWO (32) FEET IN WIDTH, FOR INGRESS, EGRESS AND PUBLIC UTILITIES FOR THE BENEFIT OF LOTS 124 AND 125 OF THIS SUBDIVISION.

PARCEL C - A NON-EXCLUSIVE EASEMENT, EIGHTEEN (18) FEET IN WIDTH, FOR INGRESS AND EGRESS FOR THE BENEFIT OF LOT 120 OF THIS SUBDIVISION.

PARCEL E - A NON-EXCLUSIVE EASEMENT, THIRTY TWO (32) FEET IN WIDTH, FOR INGRESS, EGRESS AND PUBLIC UTILITIES FOR THE BENEFIT OF LOT 124 OF THIS SUBDIVISION.

COUNTY DEDICATIONS

BAY VIEW AVENUE, CADMAN COURT, CUTTEN STREET, FENWICK AVENUE, MURPHY AVENUE, PACIFIC COURT, RIDEOUT STREET, SAMOA COURT, SUNSET AVENUE, SUNSET CIRCLE AND SUNSET EXTENSION ARE HEREBY OFFERED FOR DEDICATION AS EASEMENTS TO THE COUNTY OF HUMBOLDT FOR PUBLIC UTILITY PURPOSES AND ALL PURPOSES INCIDENTAL THERETO.

PUBLIC UTILITY EASEMENTS (PUE) AND SIDEWALK EASEMENTS AS SHOWN HEREON ARE DEDICATED TO THE COUNTY OF HUMBOLDT FOR PUBLIC USE.

PARCEL D - AN EASEMENT, TEN (10) FEET IN WIDTH, FOR PUBLIC UTILITIES DEDICATED TO THE COUNTY OF HUMBOLDT FOR PUBLIC USE.

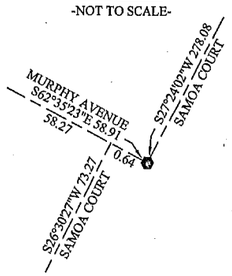
EASEMENTS OF RECORD

THIS PROPERTY MAY BE ENCUMBERED BY THE FOLLOWING RECORDED INSTRUMENTS:

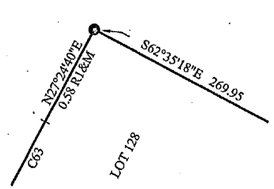
1. BOOK 656 O.R., PAGE 470 - EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES GRANTED TO HUMBOLDT BAY MUNICIPAL WATER DISTRICT - SHOWN HEREON.
2. BOOK 766 O.R., PAGE 271, BOOK 780 O.R., PAGE 7, BOOK 844 O.R., PAGE 124, BOOK 956 O.R., PAGE 38 - EASEMENTS FOR INGRESS, EGRESS AND PUBLIC UTILITIES GRANTED TO PACIFIC GAS AND ELECTRIC COMPANY - SHOWN HEREON.
3. INSTRUMENT NO. 1995-22774-6 - EASEMENT FOR PUBLIC UTILITIES, INGRESS, EGRESS AND PUMP STATION GRANTED TO HUMBOLDT BAY MUNICIPAL WATER DISTRICT - SHOWN HEREON.
4. INSTRUMENT NO. 1999-12525-6 - DEED RESTRICTION AND GRANT OF EASEMENT - SHOWN HEREON.
5. INSTRUMENT NO. 2001-24109-10 - EASEMENT FOR INGRESS AND EGRESS - SHOWN HEREON.
6. BOOK 60 SURVEYS, PAGE 122 - "PROPOSED...EASEMENT FOR INGRESS AND EGRESS" - SHOWN HEREON.
7. INSTRUMENT NO. 2010-23037-30 O.R. - A COVENANT AND AGREEMENT EXECUTED BY SAMOA PACIFIC GROUP, LLC IN FAVOR OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD FOR THE NORTH COAST REGION - SHOWN HEREON.
8. INSTRUMENT NO. 2010-23041-30 O.R. - A COVENANT AND AGREEMENT EXECUTED BY SAMOA PACIFIC GROUP, LLC IN FAVOR OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD FOR THE NORTH COAST REGION - SHOWN HEREON.
9. INSTRUMENT NO. 2010-23043-49 O.R. - A COVENANT AND AGREEMENT EXECUTED BY SAMOA PACIFIC GROUP, LLC IN FAVOR OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD FOR THE NORTH COAST REGION - SHOWN HEREON.
10. INSTRUMENT NO. 2010-23044-48 O.R. - A COVENANT AND AGREEMENT EXECUTED BY SAMOA PACIFIC GROUP, LLC IN FAVOR OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD FOR THE NORTH COAST REGION - SHOWN HEREON.
11. INSTRUMENT NO. 2016-019175 - DEED RESTRICTION IMPOSED BY THE CALIFORNIA COASTAL COMMISSION APPROVAL - BLANKET IN NATURE, AFFECTS ALL LOTS.
12. INSTRUMENT NO. 2011-15417-5 - EASEMENT FOR PACIFIC GAS AND ELECTRIC COMPANY OVERHEAD WIRES, AFFECTS LOTS 124 AND 125 - SHOWN HEREON.
13. INSTRUMENT NO. 2000-26370-11 - COVENANT NOT TO OPPOSE THE RIGHT TO CONDUCT "INDUSTRIAL ACTIVITIES" ON LANDS OF THE GRANTOR AND/OR GRANTOR'S SUCCESSORS AND ASSIGNS - BLANKET IN NATURE, AFFECTS ALL LOTS.

SEE SHEET 2 FOR EXISTING EASEMENTS 1 THROUGH 10

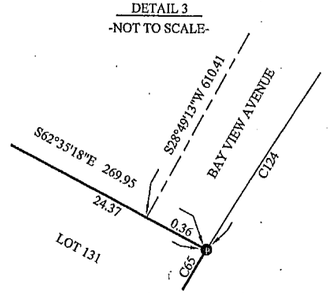
DETAIL 1
-NOT TO SCALE-



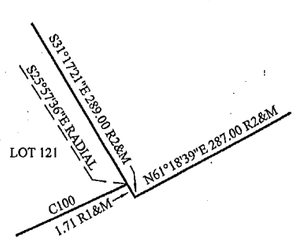
DETAIL 2
-NOT TO SCALE-



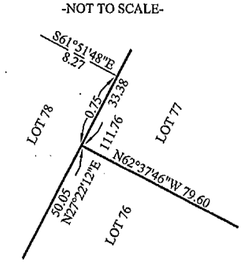
DETAIL 3
-NOT TO SCALE-



DETAIL 4
-NOT TO SCALE-



DETAIL 5
-NOT TO SCALE-



TRACT NO. _____
TOWN OF SAMOA SUBDIVISION PHASE 1

FOR

SAMOA PACIFIC GROUP, LLC

IN

SECTIONS 16 & 17 T5N, R1W, HUMBOLDT MERIDIAN
IN THE UNINCORPORATED AREA OF HUMBOLDT COUNTY
MARCH 2021

HUMBOLDT COUNTY
STATE OF CALIFORNIA

KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

BOOK _____ OF MAPS, PAGE _____

EXHIBIT B

TOWN OF SAMOA

VANCE AVENUE AND PHASE 1A IMPROVEMENT PLANS

TOWN OF SAMOA, HUMBOLDT COUNTY, CALIFORNIA

PERMIT SET

FEBRUARY, 2020

Kee'd 12 email

RECEIVED MAR 02 2020 Humboldt County Planning Dept.

THESE PLANS ARE APPROVED AND THE PERMIT IS ISSUED WITH THE UNDERSTANDING THAT THE DRAWINGS MEET THE REQUIREMENTS OF THE CODES IN EFFECT AT THIS TIME
Permit No. 48854
HUMBOLDT COUNTY Building Inspecting Division of the Planning and Building Department
Date 5-20-20 TD

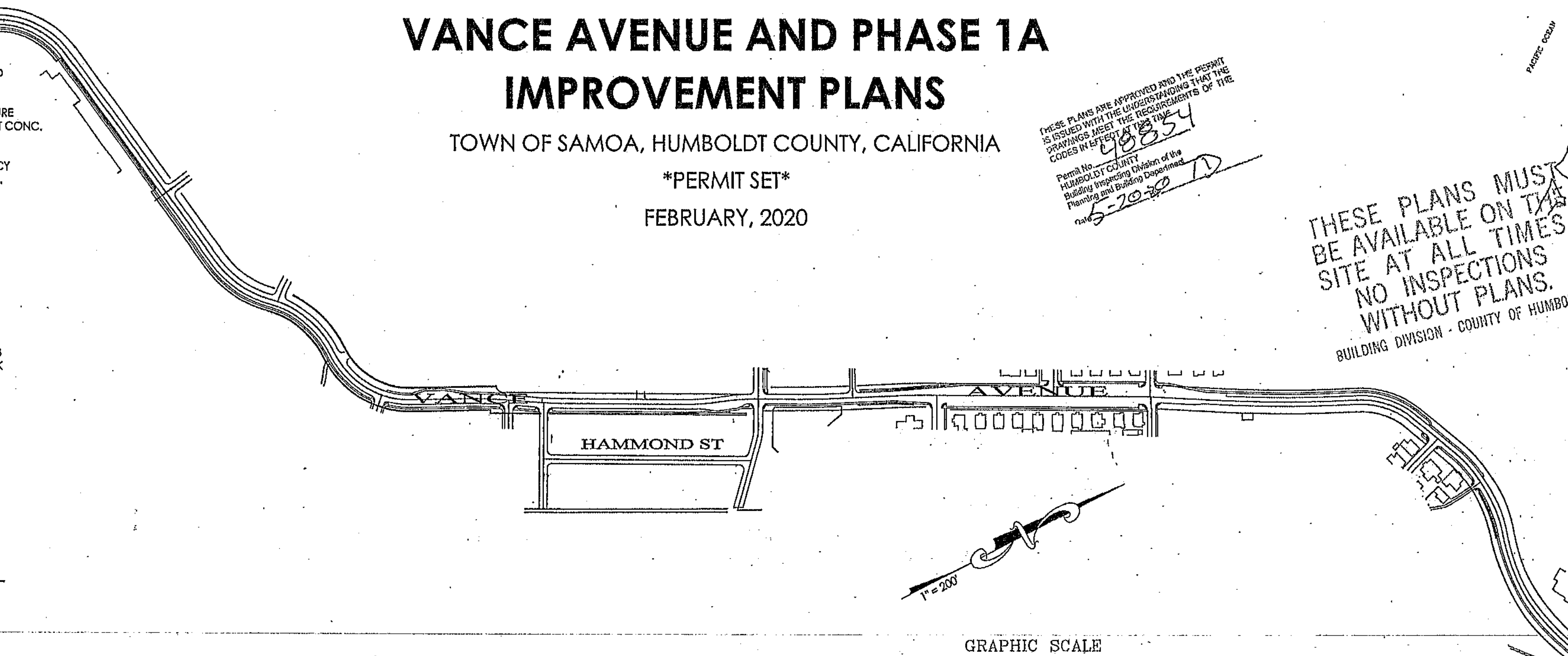
THESE PLANS MUST BE AVAILABLE ON THE SITE AT ALL TIMES. NO INSPECTIONS WITHOUT PLANS.
BUILDING DIVISION - COUNTY OF HUMBOLDT

ABBREVIATIONS:

AC	ASPHALT CONCRETE	LIP	LIP OF GUTTER
AB	AGGREGATE BASE	L.S.	LONG SWEEP
APPROX.	APPROXIMATELY	MH	MANHOLE
AVE.	AVENUE	MON.	MONUMENT
BC	BEGIN CURVE	OG	ORIGINAL GROUND
C&G	CURB AND GUTTER	P.	PROPOSED
CL	CENTER LINE	PC	POINT OF CURVATURE
C.O.T.G.	CLEAN OUT TO GRADE	PCC	PORTLAND CEMENT CONC.
CR	CURB RETURN	PL	PROPERTY LINE
CULV.	CULVERT	PP	POWER POLE
DTL.	DETAIL	PT	POINT OF TANGENCY
D\W	DRIVEWAY	PUE	PUBLIC UTILITY ESMT.
EC	END CURVE	R/W	RIGHT-OF-WAY
EL	ELEVATION	SCH	SCHEDULE
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
ESMT.	EASEMENT	SHT	SHEET
EX.	EXISTING	SS	SANITARY SEWER
EXP.	EXPIRES	ST.	STREET
F.E.S.	FLARED END SECTION	STA.	STATION
FH	FIRE HYDRANT	STD.	STANDARD
FL	FLOW LINE	S/W	SIDEWALK
FM	SEWER FORCE MAIN	TBC	TOP BACK OF CURB
FND.	FOUND	TBW	TOP BACK OF WALK
GB	GRADE BREAK	TOE	TOE OF SLOPE
HORIZ.	HORIZONTAL	TOP	TOP OF SLOPE
HP	HIGH POINT	TP	TELEPHONE POLE
INTX.	INTERSECTION	VERT.	VERTICAL
INV.	INVERT	W/	WITH
I.P.	IRON PIPE	W	WATER
JP	JOINT POLE	WM	WATER METER
		WV	WATER VALVE

LEGEND

- FOUND MONUMENT *(PER FINAL MAP OF THIS SUBDIVISION)*
- FOUND BENCHMARK
- SUBDIVISION EXTERIOR BOUNDARY LINE
- SUBDIVISION INTERIOR LOT LINE
- ADJOINER'S PARCEL LINE
- CENTERLINES
- ROAD AND UTILITY EASEMENTS
- EDGE OF PAVEMENT
- MOW STRIP



VICINITY MAP
NOT TO SCALE

SHEET INDEX:

G1 COVER SHEET
G2 GENERAL NOTES
G3 STREET SECTION DETAILS / LEGENDS
G4 STREET SECTION / STANDARD DETAILS
G5 STANDARD DETAILS
G6 STANDARD DETAILS
G7 RETAINING WALL DETAILS
G8 RETAINING WALL DETAILS
C1 CIVIL SHEET INDEX
C2 VANCE AVE STA: 14+50 TO 17+00
C3 VANCE AVE STA: 17+00 TO 22+00
C4 VANCE AVE STA: 22+00 TO 27+50
C5 VANCE AVE STA: 27+50 TO 33+00
C6 VANCE AVE STA: 33+00 TO 38+50
C7 VANCE AVE STA: 38+50 TO 44+00
C8 VANCE AVE STA: 44+00 TO 49+50
C9 VANCE AVE STA: 49+50 TO 55+00
C10 VANCE AVE STA: 55+00 TO 60+50
C11 VANCE AVE STA: 60+50 TO 66+00
C12 VANCE AVE STA: 64+00 TO 67+36
C13 HAMMOND_1 STA: 1+00 TO 4+00
C14 HAMMOND_2 STA: 1+00 TO 6+00
C15 HAMMOND_2 STA: 6+00 TO 7+00
C16 HAMMOND_3 STA: 1+00 TO 4+00
S1 VANCE AVE CROSS SECTIONS STA: 15+50 TO 30+50
S2 VANCE AVE CROSS SECTIONS STA: 31+00 TO 41+50
S3 VANCE AVE CROSS SECTIONS STA: 42+00 TO 52+00
S4 VANCE AVE CROSS SECTIONS STA: 52+50 TO 61+50
S5 VANCE AVE CROSS SECTIONS STA: 62+00 TO 65+00
S6 HAMMOND ST CROSS SECTIONS ALL STATIONS
M1 VANCE AVENUE SIGN AND STRIPING 16+50 TO 27+50
M2 VANCE AVENUE SIGN AND STRIPING 27+50 TO 38+50
M3 VANCE AVENUE SIGN AND STRIPING 38+50 TO 49+50
M4 VANCE AVENUE SIGN AND STRIPING 49+50 TO 60+50
M5 VANCE AVENUE SIGN AND STRIPING 60+50 TO 65+00
M6 HAMMOND STREET SIGN & STRIPE
W1 WATER PLAN - SAMOA CT, PACIFIC CT
W2 WATER PLAN - MURPHY, SAMOA CT, SUNSET EXN
W3 WATER PLAN - SUNSET AVE, SUNSET EXN
W4 WATER PLAN - CADMAN CT, BAYVIEW
W5 WATER PLAN - BAY VIEW, FENWICK AVE

CEC GENERAL NOTES

1.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THESE PLANS AND THE STANDARD PLANS AND SPECIFICATIONS FOR THE CITY OF EUREKA. IN THE ABSENCE OF A SPECIFIC ITEM, REFER TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION. THE CONTRACTOR SHALL OBTAIN A COPY OF THE CITY OF EUREKA STANDARD PLANS AND SPECIFICATIONS AND THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS PRIOR TO CONSTRUCTION. IN THE ABSENCE OF A SPECIFICATION FOR AN ITEM IN THE PRIOR MENTIONED STANDARD PLANS AND SPECIFICATIONS, ALL APPLICABLE FEDERAL AND STATE LAWS ARE TO BE ADHERED TO AND MEET CURRENT ENGINEERING AND CONSTRUCTION STANDARD PRACTICES TO THE SATISFACTION OF THE COUNTY ENGINEER.

2.) THE TYPES, LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATIONS WILL REVEAL SUCH INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY, INC. ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND ACCURACY OF THE LOCATION OF THE EXISTING UTILITIES ON THE PLANS, NOR FOR OTHER UTILITIES THAT MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT HE IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT THAT SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR DIRECTION.

3.) IN THE EVENT THERE IS A DISCREPANCY OR TYPOGRAPHICAL ERROR WITHIN THESE PLANS, OR REQUEST FOR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE ENGINEER SHALL BE ALLOWED A MINIMUM OF TWO WORKING DAYS TO ADDRESS THE ISSUE.

4.) ONLY SIGNED PLANS BY ALL PARTIES INVOLVED SHALL BE CONSIDERED APPROVED. THE CONTRACTOR SHALL NOT BEGIN WORK BEFORE THE PLANS HAVE BEEN APPROVED. THE CONTRACTOR SHALL HAVE ALL PERMITS AND APPROVED PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.

5.) THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT BEFORE DIGGING (800-227-2600) AT LEAST 72 HOURS BEFORE BEGINNING WORK.

6.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WORK WITH ALL SUBCONTRACTORS, UTILITY COMPANIES, AND THE COUNTY OF HUMBOLDT.

7.) THE CONTRACTOR SHALL CONTACT THE COUNTY OF HUMBOLDT PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE/PRIOR TO COMMENCEMENT OF WORK.

8.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

9.) ALL TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL REQUIRED TESTS SHALL BE COORDINATED AND APPROVED BY THE PROJECT ENGINEER AND COUNTY OF HUMBOLDT.

10.) ADDITIONAL NOTES AND DETAILS ARE LOCATED ON THE FOLLOWING SHEETS.

11.) OWNER, NOT THE ENGINEER, SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS ASSOCIATED WITH WORK SHOWN IN THESE PLANS, AND ASSUMES ALL LIABILITY ASSOCIATED THEREWITH.

12.) CONTRACTOR TO FIELD VERIFY ALL EXISTING ELEVATION AND INVERTS ON ALL EXISTING UTILITIES PRIOR TO INSTALL ANY PIPE.

- Written Certification from the Engineer of record to be submitted to the Humboldt County Building Department confirming through site inspections that the proposed Site Sewer and Site Water permitted work including all associated equipment, components, grading, and compaction testing have been completed in accordance with the approved set of plans. Additionally, the Engineer of Record to keep an accurate record set of plans as completed in the field showing all construction including roadway and all utilities that differ from the approved set and provide with approval letter to the Department and to the Service District.
- Note: The plans will need to be provided to Public Works for their subdivision review and approval as well. As Builts

UTILITY REPRESENTATIVES

UTILITY	COMPANY	CONTACT	PHONE
SEWER	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
DRAINAGE	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
WATER	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
IRRIG. WATER	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
FIRE	SAMOA PENINSULA FIRE DISTRICT	DALE UNEA	(707) 443-9042
CABLE TV	COMCAST	STAFF	(800) 391-3000
ELECTRICAL	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(800) 743-5000
GAS	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(800) 743-5000
PHONE	AT&T	STAFF	(707) 445-4069
USA	UNDERGROUND SERVICE ALERT	STAFF	(800) 227-2600

BASIS OF BEARINGS:

THE BASIS OF BEARINGS OF THESE IMPROVEMENT PLANS IS A TIE FROM THE SOUTHWEST CORNER OF SECTION 16, T.6N.,R.1W., HUMBOLDT MERIDIAN TO A 1/2" IRON PIPE WITH PLASTIC PLUG LS 4829 ON THE SOUTH LINE OF SECTION 16. THE TIE BEING SOUTH 88°32'46" EAST, 1035.25 FEET AS SHOWN IN BOOK 60 OF SURVEYS, PAGES 122-124, HUMBOLDT COUNTY RECORDS

VERTICAL DATUM:

THE ELEVATION DATUM OF THIS PROJECT IS BASED ON USC&GS BENCHMARK Y1091, ELEVATION 36.75 FEET. THE BENCHMARK IS A BRASS CAP IN CONCRETE AT THE NORTHEAST CORNER OF A PG&E TRANSMISSION TOWER, WEST OF THE FORMER LOUISIANA-PACIFIC PULP MILL AND WEST OF VANCE AVENUE.

COUNTY OF HUMBOLDT
APPROVED BY:

ROBERT W. BRONKALL, R.C.E. #55361 P.L.S. #7645 R.T.E #2504 DATE
DEPUTY DIRECTOR
SURVEYOR EXP. 12/31/2020 - CIVIL EXP. 12/31/2020 - TRAFFIC EXP. 6/30/2021

CALIFORNIA ENGINEERING COMPANY, INC.
SUBMITTED BY:

02/04/2020
DAVID L. SWARTZ, P.E. # C52840 - P.L.S. # 8401 DATE
OFFICER IN CHARGE
P.E. EXP. 12/31/20 - P.L.S. EXP. 06/30/20

CALIFORNIA ENGINEERING COMPANY, INC.
SUBMITTED BY:

02/04/2020
DANIEL D. INGOGLIA, P.E. # C74600 DATE
PROJECT ENGINEER
P.E. EXP. 12/31/21

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: 1"=200'
DRAWN BY: DDI
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDON SWARTZ No. 52840 CIVIL STATE OF CALIFORNIA

CEC
Engineering - Planning - Surveying - Community Development
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Yuba City, CA 95993

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APPROVED MAR 10 2020 Humboldt County Building Division

TOWN OF SAMOA
COVER SHEET
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201
SHEET G1 OF 8

IV HBT

RECEIVED FEB 13 2020

HBT-48854

CEC GENERAL NOTES

1.) THE CONSTRUCTION CONTRACTOR SHALL AGREE, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CONSULTING ENGINEER, SAMOA PACIFIC GROUP, AND THE COUNTY OF HUMBOLDT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING DESIGN PROFESSIONAL, SAMOA PACIFIC GROUP, OR THE COUNTY OF HUMBOLDT.

2.) ALL CONSTRUCTION MATERIALS, METHODS AND WORKMANSHIP SHALL CONFORM TO THE COUNTY OF HUMBOLDT PUBLIC WORKS IMPROVEMENT STANDARDS, ADOPTED LATEST EDITION OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, AND THE CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS (RANK SHALL BE IN ABOVE LISTED ORDER WHERE DISCREPANCIES EXIST). ALL WORK IS SUBJECT TO THE APPROVAL OF COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. CERTIFICATION FOR CONFORMANCE WITH COUNTY SPECIFICATIONS WILL BE REQUIRED FOR ALL MATERIALS USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE COUNTY ENGINEER.

3.) THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER 72-HOURS PRIOR TO COMMENCING WORK AND 24-HOURS PRIOR TO RESUMPTION AFTER INTERRUPTION.

4.) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS FOR THE PROJECT, AND BE IN RECEIPT OF SUCH PERMITS AND APPROVED PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION.

5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODIES. FOR MORE INFORMATION, PLEASE CONTACT THE STATE INDUSTRIAL SAFETY DEPARTMENT (916-455-5818).

6.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO SEE THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE CURRENT COUNTY BUSINESS LICENSES. THE WORK WILL NOT BE ACCEPTED FOR COMPLETION UNTIL SUBMITTAL OF A COMPLETE LIST WITH LICENSE NUMBERS TO THE COUNTY ENGINEER.

7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE WORK AND SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY DAMAGE TO CITY OR PRIVATE IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO CURRENT STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS.

8.) THE CONTRACTOR IS TO EXPOSE THE ENDS OF WATER MAINS, SEWER AND DRAIN LINES AND EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO PLACEMENT OF PIPE.

9.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE CONSULTING ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR COUNTY ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10.) THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT ON HIS BEHALF, ON THE JOB SITE DURING ALL WORKING HOURS.

11.) THE COUNTY OF HUMBOLDT IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE CALL SYSTEM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 72-HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING 1-800-227-2600.

12.) THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A.

13.) CONTRACTOR SHALL SUBMIT TO THE PUBLIC WORKS DEPARTMENT INSPECTOR A COPY OF THE COMPANY ANNUAL CALOSHA TRENCHING PERMIT AND A COPY OF THE COMPANIES LETTER INFORMING CALOSHA OF THE TIME OF TRENCHING PRIOR TO EXCAVATION OF TRENCHES 5' OR DEEPER.

14.) ALL WORK SHALL BE IN ACCORDANCE WITH THE COUNTY'S NOISE ORDINANCE.

15.) IF ANY AMOUNT OF BONES, STONE OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 165 FEET OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED TO DEVELOP (IF NECESSARY) FURTHER MITIGATION MEASURES TO REDUCE ANY ARCHEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA.

16.) CONTRACTOR SHALL PROVIDE THE COUNTY ENGINEER WITH SUBMITTALS FOR ALL MATERIALS TO BE USED. THE SUBMITTALS SHALL BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORKS A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.

17.) CERTIFICATION FOR CONFORMANCE WITH THE COUNTY OF HUMBOLDT SPECIFICATIONS WILL BE REQUIRED OF ALL MATERIAL USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE ENGINEER.

18.) CONTRACTOR SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE.

19.) ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.

20.) A SOILS ENGINEER SHALL BE ENGAGED BY THE OWNER TO CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION COMPLY WITH THE SPECIFICATIONS AND THAT SPECIAL WORK REQUIRED HAS BEEN DONE SATISFACTORILY.

21.) THE CONTRACTOR SHALL USE A WATER TRUCK WHEN REQUIRED TO MAINTAIN ADEQUATE DUST CONTROL.

22.) INTERMEDIATE TRENCH BACK FILL SHALL BE IN MAXIMUM LIFTS OF 8" AND SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 90% OR AS DIRECTED BY THE SOILS ENGINEER. COMPACTION SHALL BE BY THE MECHANICAL MEANS.

23.) EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE PLANS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

24.) PRIOR TO THE BEGINNING OF EARTHWORK THE CONTRACTOR SHALL CLEAR ALL ROOTS, ORGANIC MATTER, DEBRIS, PAVING, CURB, AND VEGETATION DESIGNATED TO BE SAVED, FROM THE AREA WITHIN WHICH EXCAVATION AND GRADING ARE TO BE CONDUCTED OR STORAGE OF EXCAVATED MATERIALS OR FILL IS TO BE MADE. VEGETATION CLEARED FROM THESE AREAS SHALL BE DISPOSED OF BY THE CONTRACTOR, AND INCLUDED IN THE COST OF CLEARING AND GRUBBING.

25.) IN TRANSITION AREAS FROM ONE STREET WIDTH TO ANOTHER STREET WIDTH, THE HEAVIER STRUCTURAL SECTION SHALL BE USED.

26.) DIMENSIONS SHOWN ON PLANS ARE TO CENTERLINE OF PIPE, UNLESS OTHERWISE NOTED.

CEC GENERAL NOTES CONTINUED

27.) SEWER AND WATER AND SERVICES TO HAVE A MINIMUM 10 FEET HORIZONTAL SEPARATION.

28.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

29.) CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH. THE TYPES, LOCATIONS, SIZES AND DEPTH OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY, THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATIONS WILL REVEAL ACTUAL INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS, NOR ACCURACY, NOR FOR OTHER UTILITIES WHICH MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT THEY ARE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT CONFLICTS EXIST OR SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY AND ALLOW 2 WORKING DAYS FOR CHANGE TO BE MADE, COORDINATED AND APPROVED.

GRADING NOTES

1.) A SOILS ENGINEER SHALL CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION AND MATERIALS HAVE BEEN ACCOMPLISHED. GRADING SHALL CONFORM TO CHAPTER 70 UBC, LATEST EDITION, AND TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEERING REPORT, AND COUNTY REQUIREMENTS, WHICHEVER IS GREATER.

2.) ALL COMPACTION TESTING SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL AND COUNTY SPECIFICATIONS AND BE PAID FOR BY THE DEVELOPER (OR CONTRACTOR IN CASE OF RE-TESTING). THOSE TESTS WITHIN THE RIGHT-OF-WAY SHALL BE APPROVED BY THE COUNTY OF HUMBOLDT AND ALL TESTING OUTSIDE THE RIGHT-OF-WAY CERTIFIED BY THE SOILS ENGINEER FOR THE PROJECT. THE RESULTS OF SOIL COMPACTION TESTING SHALL BE SUBMITTED TO THE COUNTY BI-MONTHLY.

3.) ALL UNSUITABLE AND SURPLUS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED.

4.) SUFFICIENT EQUIPMENT SHALL BE AVAILABLE TO PROVIDE DUST CONTROL AT ALL TIMES DURING CONSTRUCTION. A WATER TRUCK SHALL BE USED, WHEN REQUIRED, TO MAINTAIN ADEQUATE DUST CONTROL. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF THE CONTRACT. THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT WATER METER PRIOR TO COMMENCEMENT OF WORK.

5.) ROUTES TO THE PROJECT SITE FOR HEAVY EQUIPMENT AND MATERIAL SHALL BE APPROVED BY THE COUNTY ENGINEER.

6.) EROSION CONTROL HYDROSEEDING SHALL BE APPLIED TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR IF PRACTICAL AFTER GRADING ALSO TO REDUCE DUST.

7.) WINTERIZATION NOTE *THE FOLLOWING ARE REQUIRED IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 15TH; EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER. NO SEDIMENT SHALL LEAVE THE PROJECT AREA. GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE OF IMPROVEMENTS. PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES PER SECTION SS60-05 (CAL-TRANS SPECS). SEAL OFF ALL SANITARY SEWER CONNECTION TO EXISTING SYSTEMS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES OR UNTIL IMPROVEMENTS ARE FINAL.

8.) ALL EROSION CONTROL SHALL BE PLACED AS SPECIFIED ON THESE PLANS OR AS SHOWN ON THE SWPPP.

9.) TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILED EARTH MATERIAL AND ON HAUL TRUCKS TO MINIMIZE DUST.

10.) THE COUNTY SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN OPINION OF COUNTY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.

11.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE.

13.) PRIOR TO INITIATING CLEARING AND GRUBBING ALL PROTECTIVE FENCING SHALL BE INSTALLED.

STREET/PARKING NOTES

1.) UPON COMPLETION OF CURB AND GUTTER POUR AND PRIOR TO THE SETTING OF THE CONCRETE, ALL GUTTERS SHALL BE WATER TESTED. WATER TESTING SHALL CONSIST OF POURING WATER ONTO THE FLOW LINE AND FOLLOWING THE WATER DOWNSTREAM REMOVING ALL HIGH AND LOW AREAS IN THE FLOW LINE.

2.) CURB OR MOW STRIP SHALL BE BRANDED WITH AN "S", "W", OR "I" AT SEWER AND WATER SERVICE LOCATIONS AND IRRIGATION CROSSINGS RESPECTIVELY.

3.) SIDEWALK RAMPS SHALL BE CONSTRUCTED AT THE CENTER OF ALL CURB RETURNS OR AS SHOWN.

4.) STREET NAME SIGNS SHALL BE PLACED ON THE RIGHT SIDE OF EACH INTERSECTION. MATERIALS, LOCATIONS, AND INSTALLATION PER THE CITY OF EUREKA IMPROVEMENT STANDARDS.

5.) THE CONTRACTOR SHALL COORDINATE WITH OTHER WORK TO ASSURE THAT ALL UNDERGROUND CONDUITS AND UTILITIES ARE INSTALLED PRIOR TO PAVING. ALL PIPES IN PAVED AREAS SHALL BE PLACED PRIOR TO PLACING AGGREGATE BASE.

6.) EXISTING AC SURFACE SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL WITH AND PERPENDICULAR TO THE STREET CENTERLINE AND THE EXPOSED BASE AND EDGE MATERIAL SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RE-COMPACTED, AND RESEALED PRIOR TO PAVING. ANY CONCRETE, AC, TREES, FENCES, AND/OR OTHER OBSTRUCTIONS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND BE INCLUDED IN THE PRICES FOR VARIOUS ITEMS OF WORK. VERTICAL FACES OF ALL GUTTERS SHALL BE TACKED WITH EMULSION PRIOR TO PAVING.

7.) WHERE WORK IS ADJACENT TO A TRAFFIC LANE AND THERE IS A PAVEMENT CUT, DITCH, OR TRENCH GREATER THAN 2-INCHES IN DEPTH, AT A MINIMUM, THE CONTRACTOR SHALL MAINTAIN CONTINUOUS BARRICADES SPACED AT APPROXIMATELY 50-FOOT INTERVALS. IF THE CUT, DITCH, OR TRENCH IS GREATER THAN 10-FEET FROM A TRAFFIC LANE, THE SPACING MAY BE GREATER, BUT, SPACING SHALL NOT EXCEED 200-FEET.

SANITARY SEWER NOTES

1.) ALL SANITARY SEWER CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS AND THE MANUFACTURERS SPECIFICATIONS. ALL SANITARY SEWER INITIAL BACK FILL SHALL BE THE SAME MATERIAL USED FOR PIPE BEDDING AND SHALL BE PLACED TO 6" ABOVE TOP OF PIPE.

2.) THE CONTRACTOR SHALL EXPOSE THE ENDS OF EXISTING SEWER LINES AND VERIFY THE LOCATION AND ELEVATION PRIOR TO THE PLACEMENT OF PIPE. ALL COSTS FOR SUCH EXCAVATION AND BACK FILL SHALL BE INCLUDED IN BID PRICE.

3.) ALL SERVICE SEWERS ENTERING A MANHOLE WILL BE SET NOT LOWER THAN FLOWLINE-TO-CROWN WITH EXISTING PIPE UNLESS OTHERWISE SHOWN.

4.) ALL SEWER MANHOLES NOT IN PAVED AREAS SHALL HAVE RIMS SET 6" ABOVE EXISTING GROUND, OR GRADES AS NOTED, AND INSTALLED WITH LOCK-DOWN COVERS, PINKERTON A-201 OR EQUAL.

5.) THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SEWER FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND APPROVED.

6.) ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS SHALL BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICE TO EXISTING CONNECTIONS. MORTAR OR BRICK PLUGS SHALL BE USED. INFLATABLE DEVICES ARE NOT SATISFACTORY.

7.) ALL SERVICES SHALL HAVE 3' MINIMUM, PER CITY OF EUREKA STANDARDS, OF COVER AT THE PROPERTY LINE AND SHALL BE TO THE CENTER OF THE LOT UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL PLACE A 4"X4" REDWOOD POST AT THE END OF EACH SERVICE EXTENDING FROM THE END OF PIPE TO AT LEAST 12" ABOVE SURFACE.

8.) A VACUUM TEST SHALL BE DONE AFTER ASSEMBLY OF THE MANHOLE, BUT BEFORE BACK FILL. ALL LIFT HOLES SHALL BE FILLED WITH NON-SHRINK GROUT; ALL PIPES ENTERING THE MANHOLE SHALL BE PLUGGED. TAKING CARE TO SECURELY BRACE THE PLUG FROM BEING DRAWN INTO THE MANHOLE. THE TEST HEAD SHALL BE PLACED INSIDE THE TOP OF THE CONE SECTION AND THE SEAL INFLATED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. A VACUUM OF 10" OF MERCURY (APPROXIMATELY 5PSI) SHALL BE DRAWN AND THE VACUUM PUMP SHUT OFF. WITH THE VALVES CLOSED THE TIME SHALL BE MEASURED FOR THE VACUUM PUMP TO DROP TO 9". ACCEPTABLE TIMES ARE 60+ SECONDS FOR THE 48", 75+ SECONDS FOR THE 60", AND 90+ SECONDS FOR 72". IF THE MANHOLE FAILS THE INITIAL TEST, NECESSARY REPAIRS SHALL BE MADE WITH A NON-SHRINK GROUT WHILE THE VACUUM IS STILL BEING DRAWN. RETESTING SHALL PROCEED UNTIL A SATISFACTORY TEST IS OBTAINED. THE CONTRACTOR IS TO PERFORM THE TEST AND SUPPLY ALL TEST EQUIPMENT.

9.) ALL MANHOLES SHALL BE 48" IN DIAMETER, UNLESS OTHERWISE NOTED.

10.) CURB OR MOW STRIP TO BE BRANDED WITH S AT SEWER SERVICE LOCATIONS.

11.) ALL SEWER SERVICES CONNECTING TO SEWER MAIN SHALL BE CONNECTED WITH 'Y' FITTING IN THE DIRECTION OF FLOW.

WATER FACILITIES NOTES

1.) ALL WATER FACILITIES INCLUDING BUT NOT LIMITED TO LINES, SERVICE BOXES, VALVES, AND ALL MISCELLANEOUS APPURTENANCES SHALL CONFORM TO THE CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS, AND HUMBOLDT BAY MUNICIPAL WATER DISTRICT STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION, REQUIREMENTS, AND DRAWINGS NECESSARY TO BID AND COMPLETE THE WORK SHOWN ON THESE PLANS AND INSTALLED PER MANUFACTURERS SPECIFICATIONS. PIPE ALTERNATIVES SHALL BE: POLYVINYL CHLORIDE PIPE - AWWA - C900 CLASS 150 DUCTILE - IRON PIPE - AWWA 151 CLASS 50.

2.) FIRE HYDRANTS SHALL BE APPROVED BY THE COUNTY ENGINEER AND SAMOA PENINSULA FIRE DISTRICT.

3.) ALL RUNS OF SEWER FORCE MAIN AND WATER MAIN PIPE SHALL HAVE NO.10 GAUGE, SOLID INSULATED SOFT-DRAWN COPPER WIRE TAPED ALONG THE TOP OF PIPE. THE WIRE SHALL BE STUBBED UP INSIDE EACH VALVE BOX AND DEAD END BLOWOFF ASSEMBLY AND BE INSTALLED AS PER STANDARD DRAWING ASSEMBLY W-5. ALL SPLICES SOLDERED AND SHRINK-WRAPPED OR TAPPED.

4.) AT UTILITY CROSSING MAINTAIN A MINIMUM 12" VERTICAL CLEARANCE BETWEEN WATER LINES AND ALL OTHER FACILITIES. ALL SEWER/WATER CROSSINGS, INCLUDING SERVICES, SHALL CONFORM TO STATE HEALTH DEPARTMENT REQUIREMENTS WITH 10' MINIMUM HORIZONTAL CLEARANCE.

5.) ALL VALVES SHALL BE FLANGED TO TEES AND/OR CROSSES. ALL MAINLINE VALVES 16-INCH AND LARGER SHALL BUTTERFLY VALVES WHERE VALVE NUT IS GREATER THAN 30-INCH BELOW FINISHED GRADE. A VALVE OPERATING EXTENSION SHALL BE REQUIRED.

6.) ALL WATER SERVICES SHALL BE PER CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS.

7.) WATER METER BOXES AND COVERS SUBJECT TO TRAFFIC SHALL BE REINFORCED CONCRETE.

8.) SERVICE CONNECTION TO EXISTING WATER MAIN (S), OR TO AN EXTENSION OF AN EXISTING WATER MAIN (S), WILL BE MADE BY A QUALIFIED CONTRACTOR. THE CONTRACTOR SHALL NOTIFY COUNTY 72 HOURS IN ADVANCE, SCHEDULE AND PROCEED WITH THE SERVICE CONNECTION WITH MINIMUM INTERFERENCE TO EXISTING WATER AND FIRE SERVICES. AN INSPECTION BY THE COUNTY CONSTRUCTION INSPECTOR OF ALL CONNECTIONS MADE BY THE CONTRACTOR IS REQUIRED PRIOR TO BACKFILLING.

9.) PIPE JOINTS WILL NOT BE ALLOWED WITHIN SIX FEET (6') OF VALVE, FITTING OR HYDRANT.

10.) UNDER NO CIRCUMSTANCES SHALL PIPE OR JOINT DEFLECTION EXCEED MANUFACTURERS RECOMMENDATION. DEFLECTION OF PIPE WILL NOT BE ALLOWED WITHIN TEN FEET (10') OF ANY FITTING OR VALVE.

11.) STANDARD PIPE LENGTHS (MINIMUM EIGHTEEN (18) TO TWENTY (20) FEET, SHALL BE USED FOR ALL HORIZONTAL AND VERTICAL DEFLECTIONS. PIPE LENGTHS LESS THAN STANDARD LENGTH SHALL BE APPROVED BY THE COUNTY ENGINEER.

12.) IN THE EVENT THAT THIS PROJECT INDICATES THAT WATER MAINS WILL BE CONSTRUCTED WITHOUT THE PROTECTION OF AN OVERLAYING PAVEMENT, PLASTICIZED METALLIC LOCATING TAPE SHALL BE PLACED EIGHTEEN INCHES (18") ABOVE ALL SAID WATER MAINS.

13.) WATER SYSTEM CONTRACTOR SHALL COORDINATE WITH THE STREET LIGHTING CONTRACTOR TO AVOID CONFLICTS WITH WATER SERVICES AND STREET LIGHT FOUNDATIONS AND ELECTRICAL PULLBOXES.

14.) CONTRACT TO PROVIDE 72-HOUR NOTIFICATION TO THE COUNTY DEPARTMENT OF PUBLIC WORKS AND HBMWD PRIOR TO DISINFECTION.

15.) ALL WATER LINE FITTINGS 11-$\frac{1}{4}$ DEGREE OR GREATER, TEES, CROSSES, DEAD ENDS AND REDUCERS/INCREASERS SHALL BE PROVIDED WITH BOTH THRUST BLOCKS AND RESTRAINED JOINT PIPE LENGTHS

STORM DRAIN NOTES

1.) THE STORM DRAIN FACILITIES SPECIFIED IN THESE PLANS, INCLUDING MATERIALS AND METHOD OF INSTALLATION, SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, AND THE MANUFACTURERS SPECIFICATIONS (50 YEARS SERVICE LIFE). THE FOLLOWING PIPE ALTERNATES SHALL BE USED:

A. REINFORCED CONCRETE PIPE CLASS III, UNLESS SPECIFIED OTHERWISE IN THESE PLANS. PIPE SHALL CONFORM TO ASTM C76, LATEST REVISION. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURE'S RECOMMENDATION AND THE REQUIREMENTS OF ASTM C 443.

B. POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ONE OF THE FOLLOWING SPECIFICATIONS:

DIAMETER ASTM DESIGNATION
12 INCH D3034, SDR 35 / C900, DR 18
15 INCH D3034, SDR 35 / C905, DR 18
18 INCH D2241, SDR 51 / C905, DR 18
21 INCH D2241, SDR 51
24 INCH D2241, SDR 51 / C905, DR 18
27 INCH D2241, SDR 51
30 INCH C905, DR 18

JOINTS OF PVC PIPE SHALL CONSIST OF EITHER AND ELASTOMERIC GASKET COUPLING OR AN INTERNAL BELL AND SPIGOT WITH AN ELASTOMERIC GASKET. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS RECOMMENDATIONS AND THE REQUIREMENTS OF ASTM D-3212.

C. HIGH DENSITY POLYETHYLENE PIPE DOUBLE WALL-CONFORMING TO AASHTO M294 OR MP7-97 TYPE S OR TYPE D WITH INSIDE DIAMETERS OF 12 TO 60 INCHES. PIPE JOINTS SHALL BE BELL AND SPIGOT OR WELDED TYPE, CERTIFIED CAPABLE OF WATERTIGHT PERFORMANCE, WITH O-RING GASKETS MEETING ASTM F-477. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS RECOMMENDATIONS AND THE REQUIREMENTS OF ASTM D-3212.

2.) THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.

3.) EXISTING STORM DRAIN FACILITIES SHALL BE EXPOSED AND INVERT VERIFIED PRIOR TO PLACEMENT OF PIPE WITH ALL CONSTRUCTION CONFORMING TO MANUFACTURERS SPECIFICATIONS AND TO THE REQUIREMENTS OF THE COUNTY OF HUMBOLDT. ALL COSTS FOR SUCH EXCAVATION AND BACK FILL SHALL BE INCLUDED IN THE BID PRICE.

4.) THE CONTRACTOR SHALL NOT ALLOW ANY SEDIMENT TO BE WASHED INTO OR ENTER STORM DRAINAGE FACILITIES. SHOULD EXCESSIVE SEDIMENTATION OCCUR, THE CONTRACTOR SHALL BE REQUIRED TO FLUSH OUT AND CLEAN THE FACILITIES AND BE APPROVED BY THE COUNTY ENGINEER PRIOR TO FINAL ACCEPTANCE.

5.) ALL MANHOLES SHALL BE 48" IN DIAMETER, UNLESS OTHERWISE SHOWN.

6.) MANHOLES LOCATED OUTSIDE OF PAVED AREAS SHALL HAVE RIM SET 0.5 FEET ABOVE GROUND SURFACES, OR TO GRADE AS NOTED.

7.) DURING CONSTRUCTION, NEW AND EXISTING PIPES OR UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED WITH PLATE STEEL OR MAIN ADEQUATE COVER TO PREVENT ANY DAMAGE FROM HEAVY EQUIPMENT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO PIPES OR UTILITIES DURING CONSTRUCTION.

8.) ALL DROP INLETS SHALL INCLUDE A " NO DUMPING " PUBLIC NOTICE.

9.) ALL DRAINAGE INLET GRATES SHOWN ON PLAN ARE DEPRESSED, LOWER THAN PROJECTED GUTTER FLOWLINE SLOPES. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND GUTTER SLOPES TO ENSURE THAT CURB AND GUTTER, AND DRAINAGE INLET GRATES ARE INSTALLED AT PROPER ELEVATIONS. SPECIAL CARE SHOULD BE TAKEN TO THOROUGHLY REVIEW THE TRANSITION PORTION OF CALTRANS DETAILS.

10.) ALL CAST-IN-PLACE CONCRETE PIPE CONSTRUCTION SHALL CONFORM TO "SECTION 63: CAST-IN-PLACE CONCRETE PIPE" OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS. THE OWNER AND/OR CONTRACTOR SHALL RETAIN SERVICES OF A FULL-TIME, QUALIFIED CONSULTANT TO MONITOR AND OBSERVE CONSTRUCTION, AND PERFORM TESTING TO ENSURE CONSTRUCTION CONFORMS TO THE SPECIFICATION. QUALITY ASSURANCE/QUALITY CONTROL REPORTS SHALL BE SUBMITTED TO THE COUNTY REGULARLY. THE CONCRETE SHALL MEET OR EXCEED A COMPRESSIVE STRENGTH OF 3000 PSI PRIOR TO ANY BACKFILL OPERATIONS.

CONSTRUCTION STAKING

1.) THE SURVEYOR FOR THIS PROJECT SHALL PROVIDE ONE (1) SET OF CONSTRUCTION STAKES FOR LINE AND GRADE UNLESS OTHERWISE REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

2.) IN THE EVENT OF A DISAGREEMENT OR DESTROYED STAKE OR MONUMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SURVEYOR PRIOR TO ANY FURTHER CONSTRUCTION.

3.) THE CONTRACTOR SHALL GIVE THE SURVEYOR 72-HOURS NOTICE PRIOR TO EACH PHASE OF CONSTRUCTION OR IN THE EVENT OF NEEDED RE-STAKING. PRIOR TO REQUESTING ACCEPTANCE OF IMPROVEMENTS, THE SURVEYOR FOR THIS PROJECT SHALL SET SURVEY MONUMENTS AS SPECIFIED IN THE IMPROVEMENT STANDARDS.

4.) THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS.

5.) THE CONTRACTOR SHALL HAVE THE SITE STAKED PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS TO ENSURE PROPER ALIGNMENTS AND ELEVATIONS.

MINIMUM FINISH FLOOR ELEV.

1.) NEW PERMANENT RESIDENTIAL DWELLING UNITS SHALL BE DESIGNED SO THE LOWEST HABITABLE FLOOR IS AT A LEVEL NOT LOWER THAN 32 FEET ABOVE MEAN SEA LEVEL PER LOCAL COASTAL PROGRAM AMENDMENT, STMP (HAZARDS) POLICY 5.

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: NONE
DRAWN BY: DDI
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — CIVIL

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TOWN OF SAMOA
GENERAL NOTES
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201
SHEET G2 OF 8

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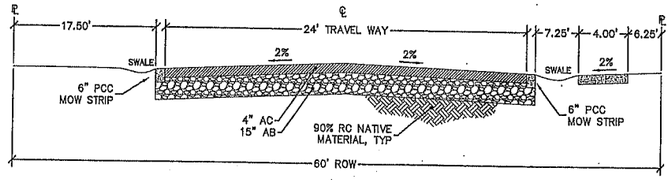
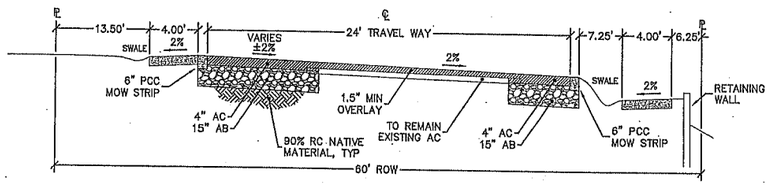
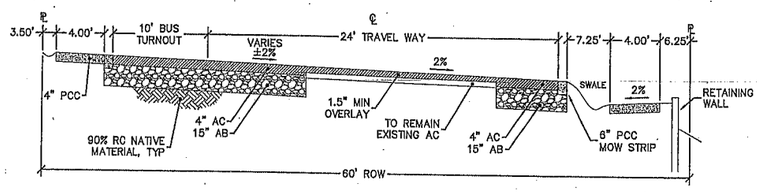


(1) VANCE AVENUE STA: 16+80 TO 31+00 & 34+15 TO 35+25



(2) VANCE AVENUE STA: 31+00 TO 31+75 & 33+15 TO 34+15



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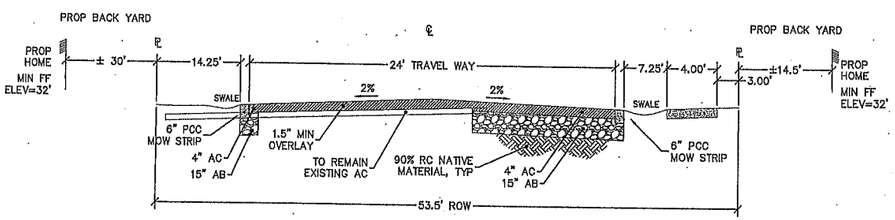
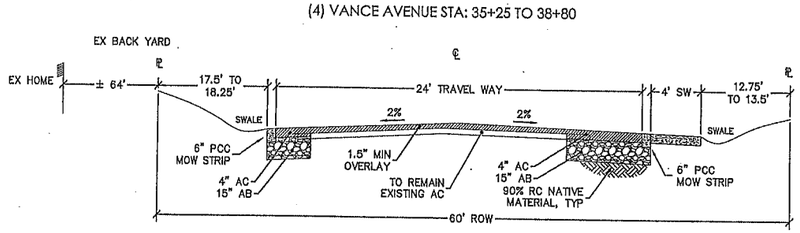


(4) VANCE AVENUE STA: 35+25 TO 38+80



(5) VANCE AVENUE STA: 41+00 TO 44+13

NOTE: RETAINING WALL NOT SHOWN IN ALL CASES

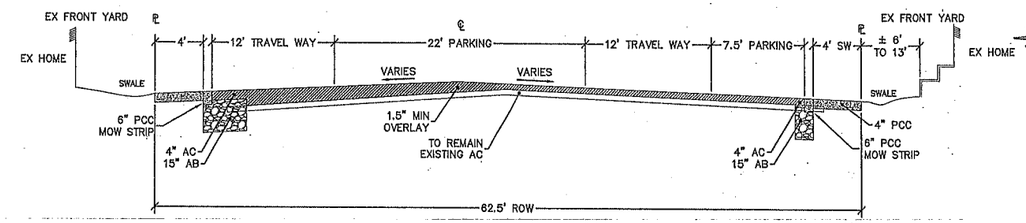
LEGEND - PROPOSED

- EDGE OF PAVEMENT WITH MOW STRIP
- CENTERLINE
- LOT LINE
- RIGHT OF WAY
- BUILDING
- STRIPING
- GRAVEL PATH
- WATER MAIN
- BLOW OFF VALVE
- AIR RELEASE VALVE
- WATER VALVE
- WATER SERVICE
- FIRE HYDRANT
- SEWAGE TREATMENT AREA
- SEWER MAIN WITH BOAT
- SEWER MANHOLE
- SEWER CLEANOUT
- SEWER SERVICE 4"
- MOW STRIP (PROFILE)

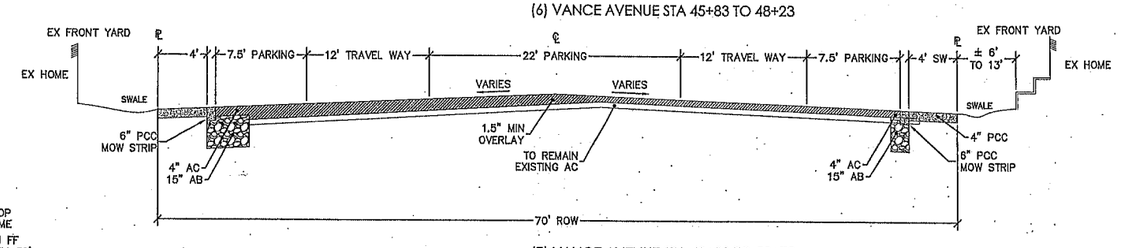
LEGEND - EXISTING

- STRUCTURE
- ASPHALT PAVEMENT
- RAILROAD
- GRAVEL ROAD
- SEWER MANHOLE WITH MAIN
- BARK FILTER SEPTIC TANK AND PUMP
- TREE
- VEGETATION/BUSH
- RETAINING WALL
- UTILITY POLE
- FIRE HYDRANT
- CATCH BASIN
- FENCE
- SIGN

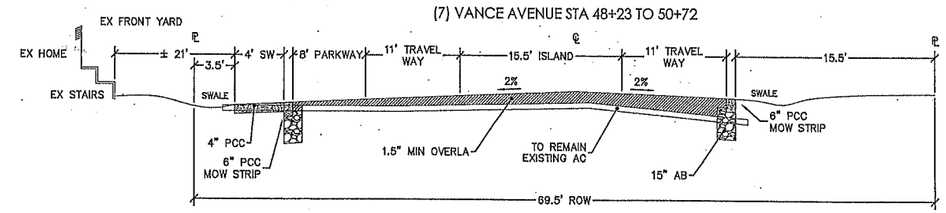
NOTE: STRUCTURAL SECTIONS SHALL BE AS SHOWN HEREON AND/OR PER GEOTECHNICAL REPORT



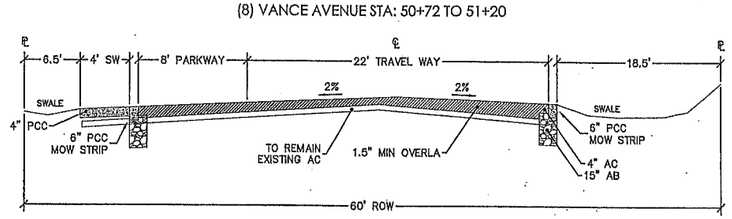
(6) VANCE AVENUE STA 45+83 TO 48+23



(7) VANCE AVENUE STA 48+23 TO 50+72



(8) VANCE AVENUE STA: 50+72 TO 51+20



(9) VANCE AVENUE STA: 52+08 TO 52+66

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: NONE
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CHECKED BY: DJS

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TOWN OF SAMOA

STREET SECTION DETAILS / LEGENDS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G3 OF 8

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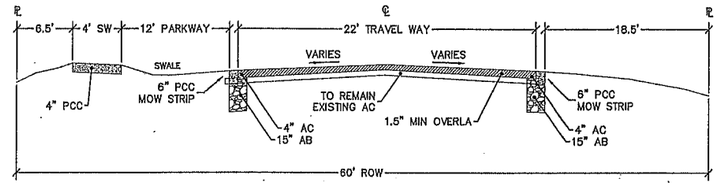
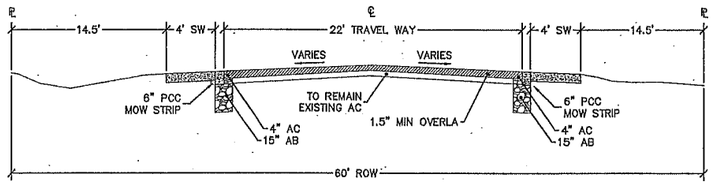
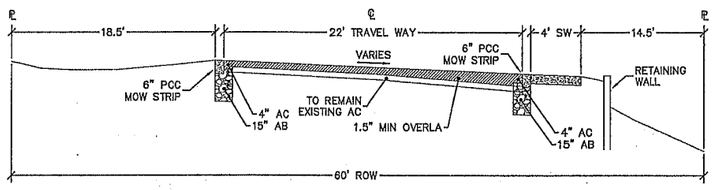


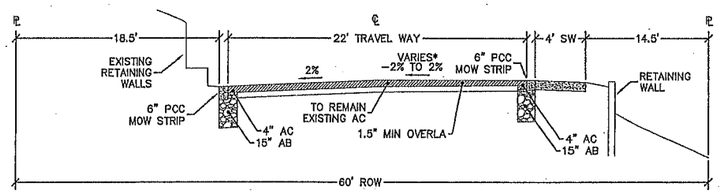
(10) VANCE AVENUE STA: 52+66 TO 57+98



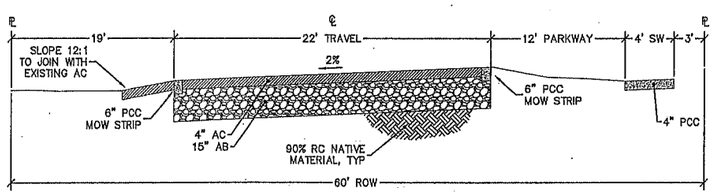
(11) VANCE AVENUE STA: 57+98 TO 59+90



(12) VANCE AVENUE STA: 59+90 TO 61+30

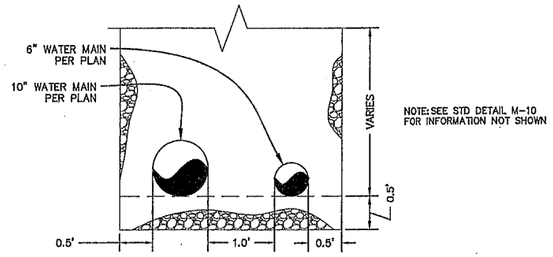


(13) VANCE AVENUE STA: 61+30 TO 62+63



(14) VANCE AVENUE STA: 62+50 TO 65+00

NOTE: RETAINING WALL NOT SHOWN IN ALL CASES



NOTE: SEE STD DETAIL M-10 FOR INFORMATION NOT SHOWN

TRENCH W/ TWO WATER MAINS

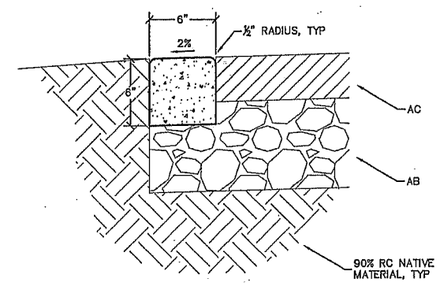
PAVING NOTES

1.) FINISH STREET CROSS SLOPES SHALL BE NOMINALLY 2% WITH A MINIMUM 0.5% AND MAXIMUM 3%. STREET SECTION SHALL BE CROWNED OR HAVE A SINGLE CROSS SLOPE, AS SHOWN IN SECTION VIEWS. TRANSITIONS FROM SINGLE CROSS SLOPE TO CROWN SHALL OCCUR OVER 40 FEET, MIN.

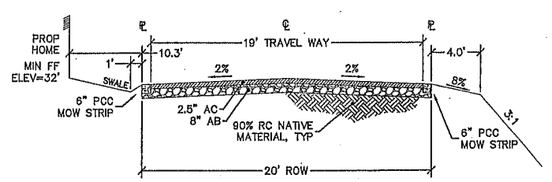
2.) EXISTING ASPHALT CONCRETE SHALL BE UTILIZED WHEREVER POSSIBLE. OVERLAYS SHALL BE A MINIMUM OF 1.5" IN DEPTH. WHERE AN OVERLAY WOULD BE SHALLOWER, A FULL DEPTH SECTION OF ASPHALT WITH AGGREGATE BASE AND RE-COMPACTED NATIVE SHALL BE INSTALLED AS SHOWN AND PER GEOTECHNICAL REPORT.

3.) OVERLAY DEPTH WILL VARY TO MAKE GRADE AND SLOPE TARGETS, BUT SHALL NOT EXCEED 6 INCHES IN DEPTH.

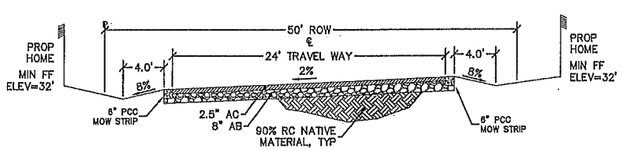
4.) AT EXISTING EDGES OF PAVEMENT, ASPHALT SHALL BE CUT BACK 12 INCHES FROM EP AND REPLACED WITH FULL DEPTH SECTION.



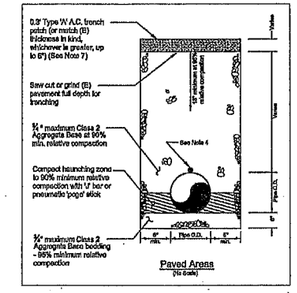
6" PCC MOW STRIP TYPICAL DETAIL

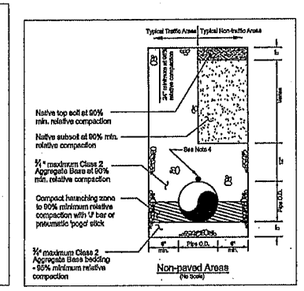


(A) HAMMOND STREET STA: 1+80 TO 2+93



(B) HAMMOND STREET STA: 0+50 TO 6+80





1.) COMPACTION TESTS SHALL BE ORDERED AND PAID FOR BY THE CONTRACTOR IN EACH LAYER, TYPE, OR CLASS OF BACKFILL THAT REQUIRES COMPACTION AND AT AN INTERVAL OF EVERY 50 FEET. COPIES OF FIELD TEST REPORTS SHALL BE SUBMITTED TO THE COUNTY PRIOR TO FINAL PAVING. TESTS SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE ENGINEER.

2.) THE CONTRACTOR SHALL ADEQUATELY SHORE HIS EXCAVATION TO PREVENT THE TRENCH WALLS FROM SLOUGHING INTO THE TRENCH. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR EXTRA BACKFILL THAT MAY BE REQUIRED DUE TO SLOUGHING TRENCH WALLS.

3.) BEDDING MATERIAL UNDER COUPLING BELLS SHALL BE HAND EXCAVATED SO THAT THERE IS A MINIMUM CLEARANCE OF 1" UNDER THE BELL.

4.) #10 INSULATED COPPER TRACE WIRE (TAPED IN PLACE) SHALL BE COLOR CODED AS FOLLOWS: WATER MAINS & SERVICES – BLUE INSULATION, SEWER MAINS & LATERALS – GREEN INSULATION, STORM DRAIN MAINS – GREEN INSULATION.

5.) ALL WATER MAIN FITTINGS SHALL HAVE ALL EXPOSED NUTS AND BOLTS COMPLETELY COVERED WITH SPRAY-ON RUBBERIZED UNDERCOATING, AND ALL FITTINGS SHALL BE WRAPPED WITH 6 MIL POLYETHYLENE PLASTIC PRIOR TO TRENCH BACKFILL.

6.) BACKFILL MATERIAL SHALL BE COMPACTED IN 12" LIFTS. TRENCH BACKFILL IN ERODED OVERLAND AREAS SHALL MATCH EXISTING GRADE.

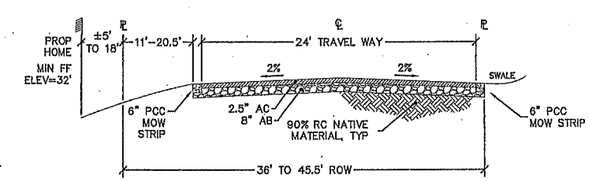
7.) COMPLETED SURFACING SHALL BE THOROUGHLY COMPACTED AND SHALL BE FREE OF RUTS, BUMPS, DEPRESSIONS AND IRREGULARITIES. IF EXISTING STREET IS SHOWING CONCRETE, NEW PAVEMENT SHALL BE 6" THICK AND CONSIST OF 3000 PSI, 6-SACK CONCRETE, DOWELED AND EPOXIED INTO EXISTING CONCRETE PAVEMENT, BRUSHED (AND COLORED BLACK) TO MATCH. DOWELS SHALL BE #4 REBAR AT 24" O.C. WITH 6"-12" EMBEDMENT TO EXISTING AND NEW CONCRETE.

8.) FOR NON-TRAFFIC AREAS, THE CONTRACTOR SHALL PLACE AND INCORPORATE STRAW AND SEED INTO THE TOPSOIL TO PREVENT EROSION. THE SEED MIX SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO APPLICATION.

9.) FOR PAVED AREAS, IN ANY LOCATION WHERE REMAINING PAVEMENT WIDTH IS LESS THAN 2' BETWEEN EDGE OF TRENCH AND EDGE OF PAVEMENT, THE CONTRACTOR SHALL REMOVE AND REPLACE PAVEMENT TO EDGE OF ROAD.

10.) TRENCH BACKFILL FOR SERVICE LATERALS AND PIPES 2" AND SMALLER IN DIAMETER MAY CONSIST OF SAND IN THE PIPE ZONE TO 6" ABOVE THE PIPE, FOLLOWED WITH COMPACTED CLASS 2 AGGREGATE BASE AS SHOWN.

TRENCH TYPICAL DETAILS (STD DTL M-10)



(C) HAMMOND STREET STA: 2+41 TO 4+00

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: NONE
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2020
Humboldt County Building Division

TOWN OF SAMOA

STREET SECTION / STANDARD DETAILS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G4 OF 8

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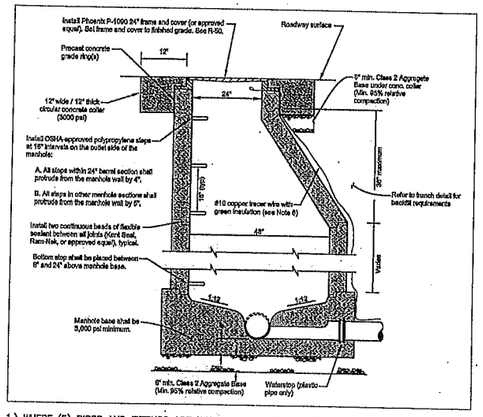
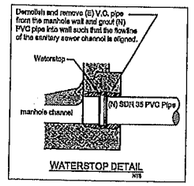




WATERSTOP DETAIL
NTS

1.) WHERE (E) PIPES AND FITTINGS ARE PRESENT, THEY SHALL BE SAWCUT ALONG THE SPRINGLINE TO FORM THE FLOW CHANNEL WITHIN THE MANHOLE. MANHOLE BASE SECTIONS SHALL BE FILLED WITH CONCRETE TO A LEVEL EQUAL TO THE SPRINGLINE OF THE EXPOSED PIPES, AND SHALL BE FORMED AT THE SLOPE SHOWN TO DRAIN INTO THE FLOW CHANNEL TOWARD THE OUTLET PIPES.

2.) WHERE (E) PIPES AND FITTINGS ARE NOT PRESENT WITHIN THE MANHOLE, THE FLOW CHANNEL SHALL BE HAND-FORMED AT THE SLOPE SHOWN TO THE DRAIN INTO THE FLOW CHANNEL TOWARD THE OUTLET PIPE. MANHOLE BASE SECTIONS SHALL BE FILLED WITH CONCRETE TO THE APPROXIMATE LEVEL OF THE TOP OF THE PIPE.

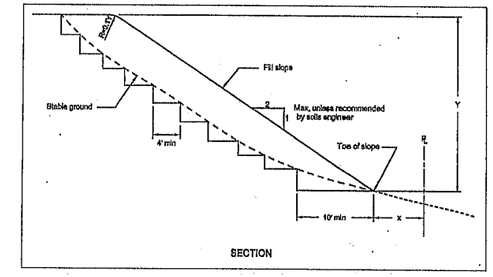
3.) WATERSTOPS SHALL BE INSTALLED AS SHOWN IN THIS DETAIL.

4.) ALL JOINTS SHALL BE SEALED WITH CLASS B MORTAR ON BOTH THE INNER AND OUTER FACES OF EACH JOINT.

5.) MANHOLES SHALL BE CONSTRUCTED WITH A 0.10' ELEVATION DROP (OR AS SHOWN ON THE PLANS) BETWEEN THE INLET AND OUTLET PIPES, IF POSSIBLE.

6.) #10 COPPER TRACER WIRE WITH GREEN INSULATION SHALL BE INSTALLED AT ALL NEW AND EXISTING MANHOLE LOCATIONS. TRACER WIRE SHALL EITHER BE CONTINUOUS ALONG (N) SANITARY PIPE AND UP TO THE MANHOLE FRAME OR SHALL BE SECURELY CONNECTED TO THE (E) TRACER WIRE WHERE PIPE REPLACEMENT IS NOT PERFORMED. NOTE THAT TRACER WIRE IS NOT REQUIRED ON MANHOLES WHEN THE (E) SEWER MAIN HAS NO TRACER WIRE.

SANITARY SEWER MANHOLE DETAILS



1.) THE REQUIREMENTS FOR FILL SLOPES AS DELINEATED AND NOTED ON THIS DRAWING ARE INTENDED FOR MINIMUM SLOPE STANDARD CONSTRUCTION. ENGINEERS ARE ENCOURAGED TO CONSIDER HILLSIDE CONSTRUCTION OR DESIGN WHICH WILL BLEND WITH EXISTING NATURAL CONDITIONS, INCLUDING INNOVATIVE FEATURES AND FLATTER SLOPES THAN ARE REQUIRED BY MINIMUM SLOPE STANDARDS.

2.) ALL FILL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS.

3.) HORIZONTAL KEYS SHALL BE CONSTRUCTED INTO STABLE GROUND, AT A MINIMUM OF 10 FEET WIDE FOR THE FIRST KEY AND 4 FEET WIDE THEREAFTER. HORIZONTAL KEYS ARE NOT REQUIRED IF THE ORIGINAL GROUND SLOPE IS FLATTER THAN 5:1.

4.) CONTINUOUS (NOT CONTAINING A ROAD OR MAJOR STRUCTURE) FILL SLOPES STEEPER THAN 6:1 SHALL NOT EXCEED 60 FEET IN VERTICAL HEIGHT FROM TOP TO TOE OF SLOPE UNLESS SPECIAL PERMISSION IS GRANTED BY THE COUNTY ENGINEER. PERMISSION SHALL BE CONTINGENT UPON SUBMISSION ON AN ACCEPTABLE SOILS REPORT AND, WHERE DEEMED NECESSARY, A SUPPLEMENTAL GEOLOGICAL REPORT.

5.) THE MINIMUM DISTANCE "X" BETWEEN THE TOE OF FILL SLOPE AND OWNERSHIP BOUNDARY SHALL BE ONE FOURTH THE VERTICAL HEIGHT OR 5 FEET, WHICHEVER IS LESS, UNLESS A LETTER OF PERMISSION FROM THE ADJACENT PROPERTY OWNER IS ON FILE WITH THE COUNTY.

6.) DRAINAGE DITCHES ARE REQUIRED AT THE TOP OF FILL SLOPES WHERE: A) SURFACE DRAINAGE IS TOWARD THE FILL SLOPE; B) 50 SQUARE FEET DRAINAGE AREA WILL BE INTERCEPTED BY ONE LINEAL FOOT OF DITCH; AND C) THERE IS A CONCENTRATION OF 1,000 SQUARE FEET OR MORE OF AREA TO BE DRAINED. BROW DITCHES SHALL NOT EXCEED 400 FEET IN LENGTH WITHOUT A DOWNDRAIN BETWEEN THE TOP AND THE TOE OF THE SLOPE EXCEPT AS OTHERWISE APPROVED BY THE COUNTY ENGINEER.

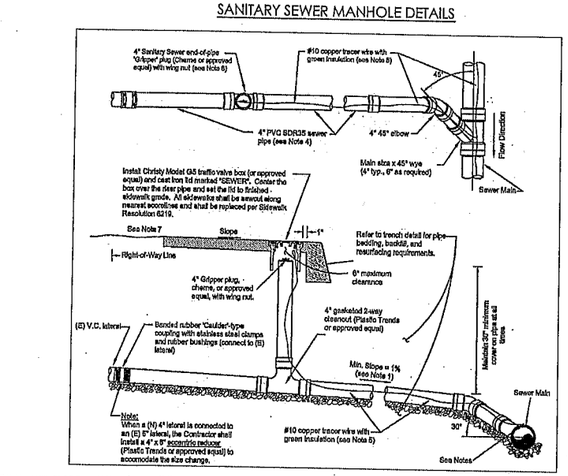
7.) DURING CONSTRUCTION, TEMPORARY CHAIN LINK FENCES OR EQUIVALENT BARRIERS SHALL BE PROVIDED ADJACENT TO THE TOE OF FILL SLOPES WHICH ARE ADJACENT TO DEVELOPED PROPERTY OR PUBLIC RIGHT-OF-WAY WHEN REQUIRED BY THE COUNTY ENGINEER.

8.) ALL FILL SLOPES IN EXCESS OF 5 FEET IN VERTICAL HEIGHT AT A GRADIENT STEEPER THAN 6 HORIZONTAL TO 1 VERTICAL SHALL BE PLANTED IN ACCORDANCE WITH COUNTY SPECIFICATIONS, AND PLANT MATERIALS USED SHALL BE APPROVED BY THE COUNTY ENGINEER.

9.) A SOIL STABILIZER OR OTHER IMMEDIATE PROTECTION SATISFACTORY TO THE COUNTY ENGINEER SHALL BE USED ON ALL FILL SLOPES ADJACENT TO DEVELOPED PROPERTY OR PUBLIC RIGHT-OF-WAY.

10.) ALL SLOPES IN EXCESS OF 10 FEET IN VERTICAL HEIGHT SHALL BE ROUNDED ALONG THE INTERSECTION OF THE FACE OF THE SLOPE AND THE TOP OF THE FILL. THIS ROUNDING SHALL BE UNIFORM ALONG THE ENTIRE INTERSECTION OF THE SLOPE. THE AMOUNT OF ROUNDING SHALL BE X/10 THE MAXIMUM HEIGHT OF THE SLOPE.

FILL SLOPE DETAIL



1.) MINIMUM PIPE SLOPES SHALL BE 1% (⅛" PER FOOT) UNLESS OTHERWISE APPROVED BY THE ENGINEER.

2.) FACTORY MANUFACTURED FITTINGS SHALL BE USED EXCLUSIVELY.

3.) SEWER SADDLES SHALL ONLY BE USED AFTER APPROVAL BY THE ENGINEER.

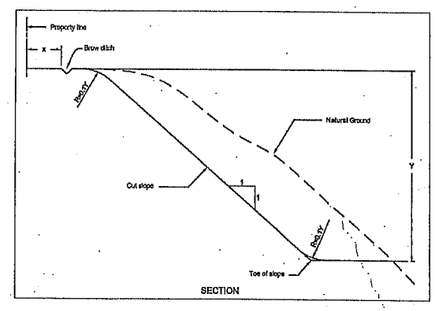
4.) ALL FITTINGS AND LATERAL PIPING SHALL BE 4" (MIN) PVC SDR-35 SEWER PIPE.

5.) ALL LATERALS SHALL BE INSTALLED WITH A #10 COPPER TRACER WIRE WITH GREEN INSULATION TAPED TO THE SANITARY SEWER PIPE. LATERAL TRACER WIRE SHALL BE SECURELY CONNECTED TO AND ELECTRICALLY CONTINUOUS WITH THE SEWER MAIN TRACER WIRE AT ONE END WITH WATERPROOF CORROSION RESISTANT CONNECTOR, AND SHALL TERMINATE IN A LOOP JUST BELOW THE LID IN THE CLEANOUT BOX AT THE OTHER END.

6.) PVC RISER SHALL NOT END IN A BELL FLANGE OR "CAULDER"-TYPE COUPLING. RISER SHALL TERMINATE AT THE REQUIRED CLEARANCE WITH A LEVEL CUT.

7.) ALL AREAS BEHIND THE SIDEWALK THAT ARE DISTURBED BY THE INSTALLATION OF SEWER LATERALS SHALL BE RESTORED TO A CONDITION THAT IS AS GOOD IN THE OPINION OF THE ENGINEER, AS WHEN THE CONTRACTOR BEGAN CONSTRUCTION, WHICH MAY INCLUDE THE INSTALLATION OF TOPSOIL, GRASS SEED, AC PAVEMENT, OR OTHER MATERIALS.

SANITARY SEWER LATERAL DETAIL



1.) THE REQUIREMENTS FOR CUT SLOPES AS DELINEATED AND NOTED ON THIS DRAWING ARE INTENDED FOR MINIMUM SLOPE STANDARD CONSTRUCTION. ENGINEERS ARE ENCOURAGED TO CONSIDER HILLSIDE CONSTRUCTION OR DESIGN WHICH WILL BLEND WITH EXISTING NATURAL CONDITIONS, INCLUDING INNOVATIVE FEATURES AND FLATTER SLOPES THAN ARE REQUIRED BY MINIMUM SLOPE STANDARDS.

2.) ALL CUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS.

3.) CONTINUOUS (NOT CONTAINING A ROAD OR MAJOR STRUCTURE) CUT SLOPES STEEPER THAN 6:1 SHALL NOT EXCEED 60 FEET IN VERTICAL HEIGHT FROM TOP TO TOE OF SLOPE UNLESS SPECIAL PERMISSION IS GRANTED BY THE COUNTY ENGINEER. PERMISSION SHALL BE CONTINGENT UPON SUBMISSION ON AN ACCEPTABLE SOILS REPORT AND, WHERE DEEMED NECESSARY, A SUPPLEMENTAL GEOLOGICAL REPORT.

4.) THE MINIMUM DISTANCE "X" BETWEEN THE TOP OF CUT SLOPE AND OWNERSHIP BOUNDARY SHALL BE ONE TENTH THE VERTICAL HEIGHT OR 5 FEET, WHICHEVER IS LESS, UNLESS A LETTER OF PERMISSION FROM THE ADJACENT PROPERTY OWNER IS ON FILE WITH THE COUNTY.

5.) DRAINAGE/BROW DITCHES ARE REQUIRED AT THE TOP OF CUT SLOPES WHERE: A) SURFACE DRAINAGE IS TOWARD THE CUT SLOPE; B) 100 SQUARE FEET DRAINAGE AREA WILL BE INTERCEPTED BY ONE LINEAL FOOT OF DITCH; AND C) THERE IS A CONCENTRATION OF 1,500 SQUARE FEET OR MORE OF AREA TO BE DRAINED.

6.) WHEN BROW DITCHES ARE USED:
A. THEY SHALL BE CONSTRUCTED PRIOR TO ANY ADJACENT SLOPE EXCAVATION WORK.
B. A SUITABLE OUTLET STRUCTURE SHALL BE PROVIDED.
C. THEY SHALL BE LINED WITH 3" 480-C-2000 OR 3" 2500 PSI AIR PLACED CONCRETE WITH 1½X1½ 17 GAGE STUCCO NETTING.
D. THEY SHALL NOT EXCEED 400 FEET IN LENGTH WITHOUT A DOWNDRAIN BETWEEN THE TOP AND THE TOE OF THE SLOPE EXCEPT AS OTHERWISE APPROVED BY THE COUNTY ENGINEER.

7.) DURING CONSTRUCTION, TEMPORARY CHAIN LINK FENCES OR EQUIVALENT BARRIERS SHALL BE PROVIDED ADJACENT TO THE TOE OF CUT SLOPES WHICH ARE ADJACENT TO DEVELOPED PROPERTY OR PUBLIC RIGHT-OF-WAY WHEN REQUIRED BY THE COUNTY ENGINEER.

8.) ALL CUT SLOPES IN EXCESS OF 5 FEET IN VERTICAL HEIGHT AT A GRADIENT STEEPER THAN 6 HORIZONTAL TO 1 VERTICAL SHALL BE APPROVED BY THE COUNTY ENGINEER AND/OR PROJECT GEOLOGIST RECOMMENDATIONS.

9.) A SOIL STABILIZER OR OTHER IMMEDIATE PROTECTION SATISFACTORY TO THE COUNTY ENGINEER SHALL BE USED ON ALL CUT SLOPES ADJACENT TO DEVELOPED PROPERTY OR PUBLIC RIGHT-OF-WAY, AND ALL PLANT MATERIALS USED SHALL BE APPROVED BY THE COUNTY ENGINEER.

10.) ALL SLOPES IN EXCESS OF 10 FEET IN VERTICAL HEIGHT SHALL BE ROUNDED ALONG THE INTERSECTION OF THE FACE OF THE SLOPE AND THE NATURAL GROUND. THIS ROUNDING SHALL BE UNIFORM ALONG THE ENTIRE INTERSECTION OF THE SLOPE. THE AMOUNT OF ROUNDING SHALL BE X/10 THE MAXIMUM HEIGHT OF THE CUT SLOPE.

CUT SLOPE DETAIL

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: NONE
DRAWN BY: DDI
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER

CEC
Engineering - Planning - Surveying - Community Development
Office (530) 751-0952
Fax (530) 751-0953
1110 Civic Center Blvd., Suite 404
Yuba City, CA 95993

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APPROVED
FEB 2020
Humboldt County Building Division

TOWN OF SAMOA

STANDARD DETAILS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G5 OF 8

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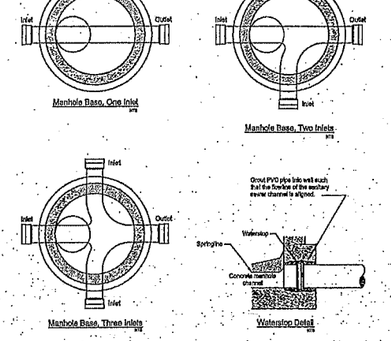
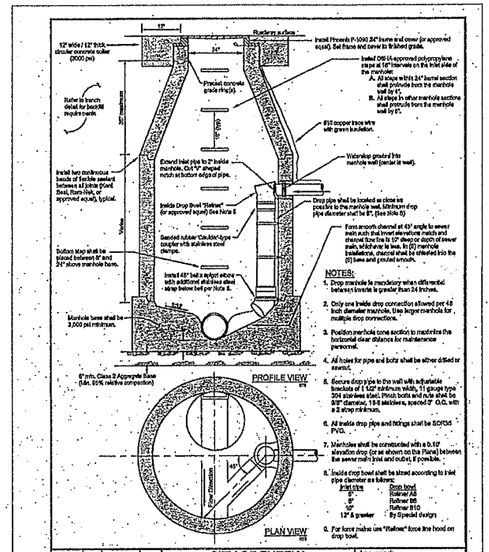


NOTES:

1. Where existing pipes and fittings are present, they shall be sawcut along the springline to form the flow channel within the manhole. Manhole base sections shall be filled with concrete to a level equal to the springline of the exposed pipes, and shall be formed to drain into the flow channel toward the outlet pipe.
2. Where existing pipes and fittings are not present within the manhole, the flow channel shall be hand-formed to drain into the flow channel toward the outlet pipe. Manhole base sections shall be filled with concrete to the approximate level of the top of the pipe.
3. Manhole base sections shall be filled with concrete to the approximate level of the top of the pipe. Water stops shall be installed per detail as shown.

REVISION	BY	APPROVED	DATE	CITY OF EUREKA Engineering Department — CITY OF EUREKA STANDARD DRAWING — Sanitary Sewer Manhole Base Channels	Approved: Kurt E. Gierlich, RCE #45721, City Engineer	Date 09/12/08	DRAWING No. S-41



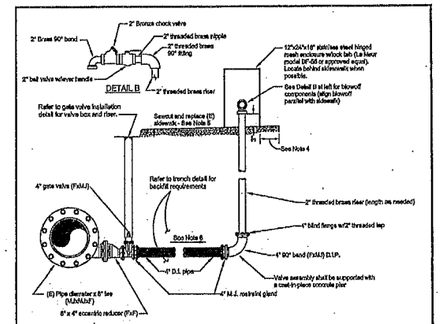
NOTES:

1. Drop manhole is mandatory when differential between invertes is greater than 24 inches.
2. Only one inside drop connection allowed per 48 inch diameter manhole. Use larger manhole for multiple drop connections.
3. Position manhole cone section to maximize the horizontal clear distance for maintenance personnel.
4. All holes for pipe and bolts shall be either drilled or sawcut.
5. Secure drop pipe to the wall with adjustable brackets of 1 1/2" minimum width, 11 gauge type 304 stainless steel. Pinch bolts and nuts shall be 3/8" diameter, 18-8 stainless, spaced 8" O.C. with a 2 strap minimum.
6. All inside drop pipe and fittings shall be SDR35 PVC.
7. Manholes shall be constructed with a 0.10' elevation drop (or as shown on the Plans) between the sewer main invert and inlet, if possible.
8. Inside drop bowl shall be sized according to inlet pipe diameter as follows:

Pipe size	Drop bowl
6"	Reliner A6
8"	Reliner B8
10"	Reliner B10
12" & greater	By Special design

9. For force mains use "Reliner" force line hood on drop bowl.

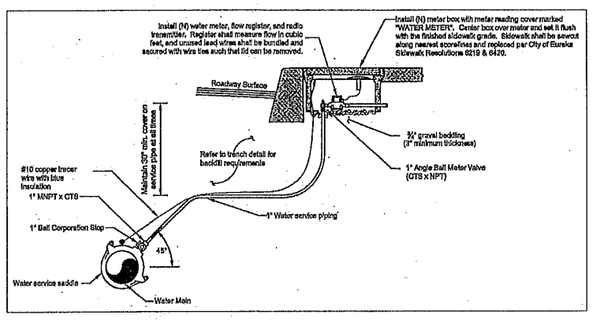
REVISION	BY	APPROVED	DATE	CITY OF EUREKA Engineering Department — CITY OF EUREKA STANDARD DRAWING — Sanitary Sewer Inside Drop Manhole 48" to 72" Diameter	Approved: Kurt E. Gierlich, RCE #45721, City Engineer	Date 09/12/08	DRAWING No. S-42



NOTES:

1. #10 copper tracer wire with blue insulation shall be taped to all water mains, fittings, and services. Service tracer wire shall be securely connected to the water main trace wire at one end, and shall terminate in a loop just below the lid of the utility box at the other end.
2. Factory manufactured fittings shall be used exclusively.
3. All water main fittings shall have all exposed nuts and bolts completely covered with spray-on rubberized undercoating, and all fittings shall be wrapped with 8 mil polyethylene plastic prior to trench backfill.
4. Enclosures shall be situated 8" away from walls and buildings. In locations where no walls or buildings are present, enclosures shall be situated behind the back of the sidewalk when possible.
5. Sidewalk shall be sawcut along nearest scorelines, and shall be replaced per City of Eureka Sidewalk Resolution 8218.
6. The Contractor shall maintain positive slope on all pipe and appurtenances from the water main to the blowoff outlet.

REVISION	BY	APPROVED	DATE	CITY OF EUREKA Engineering Department — CITY OF EUREKA STANDARD DRAWING — In-line Water Blowoff Installation	Approved: Kurt E. Gierlich, RCE #45721, City Engineer	Date 10/23/08	DRAWING No. W-61



1.) ALL WATER SERVICE MATERIALS SHALL BE AS LISTED ON THE MATERIALS LIST (OR APPROVED EQUAL).

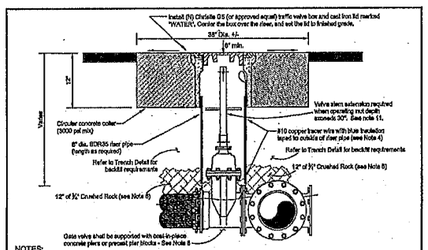
2.) FACTORY MANUFACTURED FITTINGS SHALL BE USED EXCLUSIVELY.

3.) #10 COPPER TRACER WIRE WITH BLUE INSTALLATION SHALL BE TAPED TO ALL WATER MAINS, SERVICES, AND FITTINGS. TRACER WIRE SHALL BE SECURELY CONNECTED TO THE WATER MAIN TRACER WIRE AT ONE END, AEND SHALL TERMINATE IN A LOOP JUST BELOW THE LID IN THE METER BOX AT THE OTHER END.

4.) ALL WATER SERVICE SADDLES SHALL HAVE ALL EXPOSED NUTS AND BOLTS COMPLETELY COVERED WITH SPRAY-ON RUBBERIZED UNDERCOATING.

5.) CONNECTIONS BETWEEN FITTINGS AND WATER SERVICE PIPING SHALL BE MADE WITH PACK JOINTS, AND STAINLESS STEEL INSERT STIFFENERS SHALL BE USED AS NEEDED WHEN CONNECTING WATER SERVICE PIPING TO PACK JOINTS.

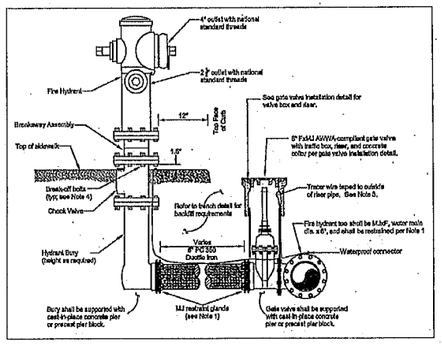
WATER SERVICE INSTALLATION 3/4" & 1"



NOTES:

1. All water service materials shall be as listed on the City of Eureka Approved Materials List (or approved equal).
2. Factory manufactured fittings shall be used exclusively.
3. All water main fittings shall have all exposed nuts and bolts completely covered with spray-on rubberized undercoating, and all fittings shall be wrapped with 8 mil polyethylene plastic prior to trench backfill.
4. #10 copper tracer wire with blue insulation shall be taped to all water mains and fittings. Tracer wire running up to a valve box or other mid-line access point shall be securely connected to the water main tracer wire at one end with a water proof, corrosion proof connection, and shall terminate in a loop just below the lid in the traffic box at the other end.
5. All main line gate valves shall be mechanically restrained. Thrust blocks shall only be installed when specifically approved by the Engineer.
6. Contractor shall place a 12" layer of 3/4" crushed rock (3/4" sieve size, 80-100 percent passing) over wet concrete thrust block and around valve assembly before compacting 12" lifts of base material per Trench Detail. Rounded rock material that shows little evidence of the crushing process is not acceptable and will be rejected.
7. Division gate valve box lids shall have a 3" diameter circle of weld bead placed on them, with the center of the circle being on the center of the valve box lid. This weld shall not exceed 1/4" in width or height.
8. The new traffic box shall not come into contact with the riser pipe.
9. New gate valve assemblies shall be supported during installation either by resting the assembly on cast-in-place concrete piers or a precast pier block. Other support methods used during installation, such as bridging beams or boom cranes, are subject to approval by the Engineer.
10. All valves connecting to fittings shall be flanged to the fitting.
11. Valve stem extension, when required, shall be hot dip galvanized or stainless steel as manufactured by Muetter, Kennedy, or approved equal for use with approved valve box. Stem diameters shall be 1 1/4"; stem guides shall be spaced such that slenderness ratio of stem body does not exceed 200.

REVISION	BY	APPROVED	DATE	CITY OF EUREKA Engineering Department — CITY OF EUREKA STANDARD DRAWING — Gate Valve Installation	Approved: Kurt E. Gierlich, RCE #45721, City Engineer	Date 9/27/12	DRAWING No. W-20



1.) ALL RESTRAINED JOINT GLANDS SHALL CONFORM TO RESTRAINED JOINT PIPE INSTALLATION DETAILS.

2.) THE CONTRACTOR SHALL PLACE AND SECURE A YELLOW BAG OVER THE HYDRANT IMMEDIATELY UPON EITHER INSTALLATION OR REMOVAL FROM SERVICE. THIS BAG SHALL BE REMOVED AND REPLACED WITH A BLUE BAG ONCE THE HYDRANT IS READY FOR USE. THE CITY SHALL SUPPLY ALL BAGS FOR THE CONTRACTOR'S USE.

3.) #10 COPPER TRACER WIRE WITH BLUE INSULATION SHALL BE TAPED TO ALL WATER MAINS, FITTINGS, AND SERVICES. SERVICE TRACER WIRE SHALL BE SECURELY CONNECTED TO THE WATER MAIN TRACER WIRE AT ONE END WITH WATERPROOF, CORROSION RESISTANT CONNECTOR, SHALL BE LOOPED JUST BELOW THE LID OF THE TRAFFIC BOX, AND SHALL TERMINATE AT THE BREAKOFF FLANGE.

4.) THE HYDRANT BURY SHALL BE SHIMMED IN SUCH A WAY THAT THE WEEKEND BREAKAWAY JOINT ON THE BREAKAWAY ASSEMBLY IS 1.5" ABOVE THE SURFACE OF THE RECONSTRUCTED SIDEWALK. IN ADDITION, BREAK-OFF BOLTS SHALL BE USED ON THE BOTTOM FLANGE OF THE BREAKAWAY ASSEMBLY AS NOTED.

5.) WHERE NO SIDEWALKS EXIST, A 4" THICK, 4' x 4' CONCRETE PAD SHALL BE INSTALLED.

6.) BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED ONE FOOT INSIDE THE STREET CENTERLINE OF THE FACING STREET. IF HYDRANT LIES WITHIN 20' FET OF THE CORNER, AN ADDITIONAL MARKER SHALL BE PLACED IN THE STREET PERPENDICULAR TO THE HYDRANT ONE FOOT INSIDE THAT STREET CENTERLINE.

7.) HYDRANT SHALL BE CLOW MODEL 75 OR 78, AS DETERMINED BY TE ENGINEER.

FIRE HYDRAINT INSTALLATION

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: NONE
DRAWN BY: DDI
DESIGNED BY: DLS
CHECKED BY: DLS

CEC
Office (530) 751-0952
Fax (530) 751-0953
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APPROVED 2020 Humboldt County Building Division

TOWN OF SAMOA

STANDARD DETAILS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G6 OF 8

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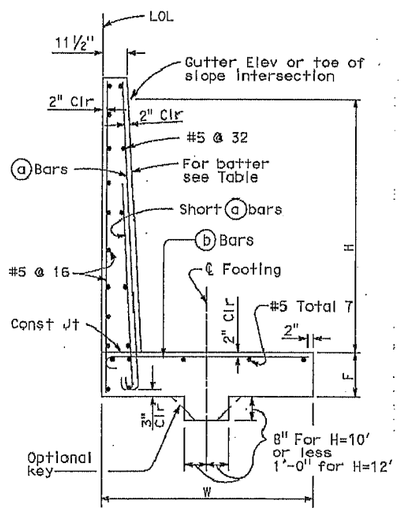
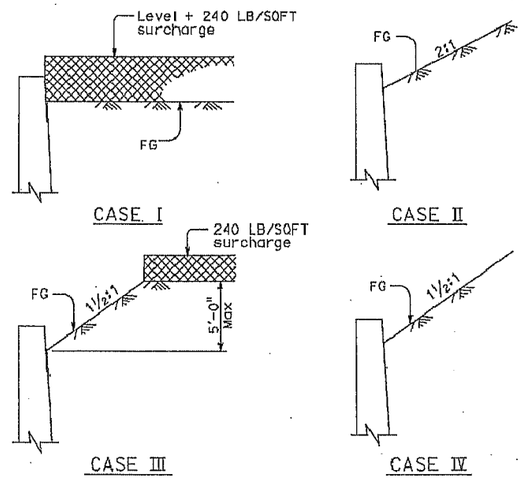


SPREAD FOOTING SECTION

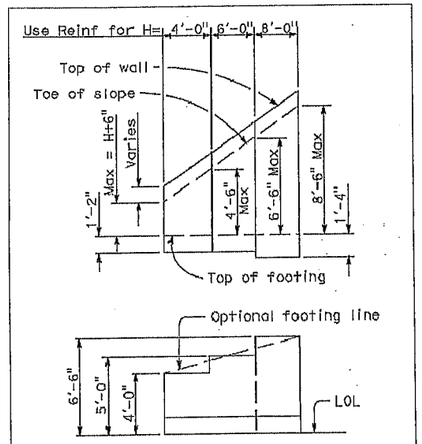
NOTE:

At ⓐ and Short ⓐ bars:
H ≤ 6', no splices are allowed within 1'-8" above the top of footing.
H > 6', no splices are allowed within H/4 above the top of footing.



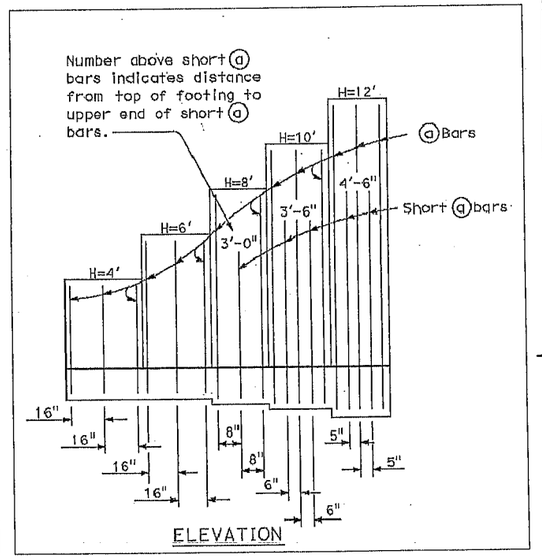
DETAIL OF DESIGN LOADING CASES

Case I	Level + 240 psf surcharge
Case II	2:1 Unlimited slope
Case III	1½:1 Limited slope (5'-0" Max height) + 240 psf surcharge
Case IV	1½:1 Unlimited slope

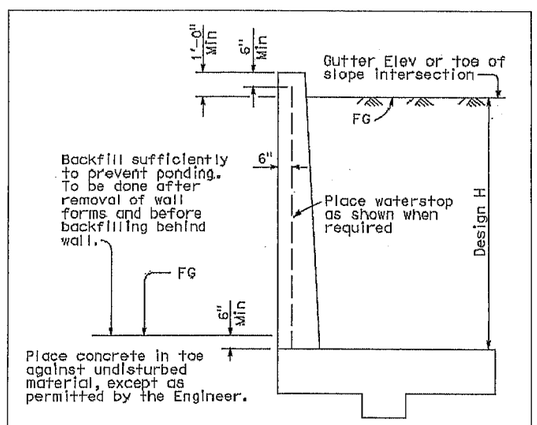


TYPICAL LAYOUT EXAMPLE

For joints required, see BO-3 3-3 & BO-3 3-4



ELEVATION



DESIGN

TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA					
Design H	4'	6'	8'	10'	12'
W	4'-0"	5'-0"	6'-6"	8'-0"	9'-6"
F Spread Footing	1'-4"	1'-4"	1'-6"	1'-6"	1'-10"
Batter	None	None	None	100:3	100:6
ⓐ Bars, # @ in	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 12	#5 @ 10
Short ⓐ Bars, # @ in	None	None	#5 @ 16	#5 @ 12	#5 @ 10
ⓑ Bars, # @ in	#5 @ 16	#5 @ 16	#5 @ 8	#5 @ 6	#5 @ 5
Total ⓔ Bars	8 - #6	8 - #6	10 - #6	8 - #6	6 - #6
Toe Pressure ksf					
Loading Case I	1.7	2.2	2.5	3.0	3.6
Loading Case II	1.6	2.1	2.7	3.4	4.1
Loading Case III	1.7	2.3	2.9	3.9	4.4
Loading Case IV	2.0	3.2	4.2	5.3	6.5

NOTES:

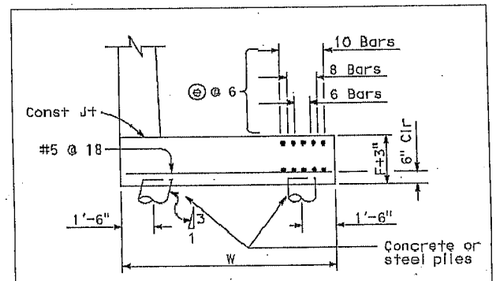
DESIGN CONDITIONS:

DESIGN H MAY BE EXCEEDED BY 6" BEFORE GOING TO THE NEXT SIZE. SPECIAL FOOTING DESIGN IS REQUIRED WHERE FOUNDATION MATERIAL ES INCAPABLE OF SUPPORTING TOE PRESSURE LOADS LISTED IN TABLE.

DESIGN DATA:

Fo = 1,450 PSI, F'c = 3,600 PSI, Fs = 24,000 PSI, n = 10, EARTH = 120 PCF. CASE II, III, IV – WALL DESIGN IS BASED ON RANKINE'S FORMULA WITH ø = 33°42'.

CALT RANS RETAINING WALL TYPE 5



Reinforcement detailed is to be placed in addition to that shown for spread footings.

◉ For Design H=4' use W=5'-0" All others from table.

90 KIP PILE FOOTING SECTION

Max PILE SPACING FOR 90 KIP PILES

Design H	Front Row 1:3 Batter	Back Row Vertical
4'	18'-0"	18'-0"
6'	12'-0"	18'-0"
8'	9'-0"	18'-0"
10'	6'-0"	12'-0"
12'	4'-0"	8'-0"

For actual spacing, see Wall Layout.

Pile layout does not apply to Case IV conditions.

NO.	DATE	DESCRIPTION

DATE: 02-24-2020
SCALE: NONE
DRAWN BY: DDI
DESIGNED BY: DDI
CHECKED BY: DJS

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TOWN OF SAMOA

RETAINING WALL DETAILS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G7 OF 8

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4' RETAINING WALL TYPE 5 TYPICAL SECTION
1"=5'H, 1"=1'V

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PROJECT NUMBER
12-201

SHEET G8 OF 8

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TOWN OF SAMOA

VANCE AVENUE SHEET INDEX

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET C1 OF 17

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NOTES, SHEETS C2-C15:

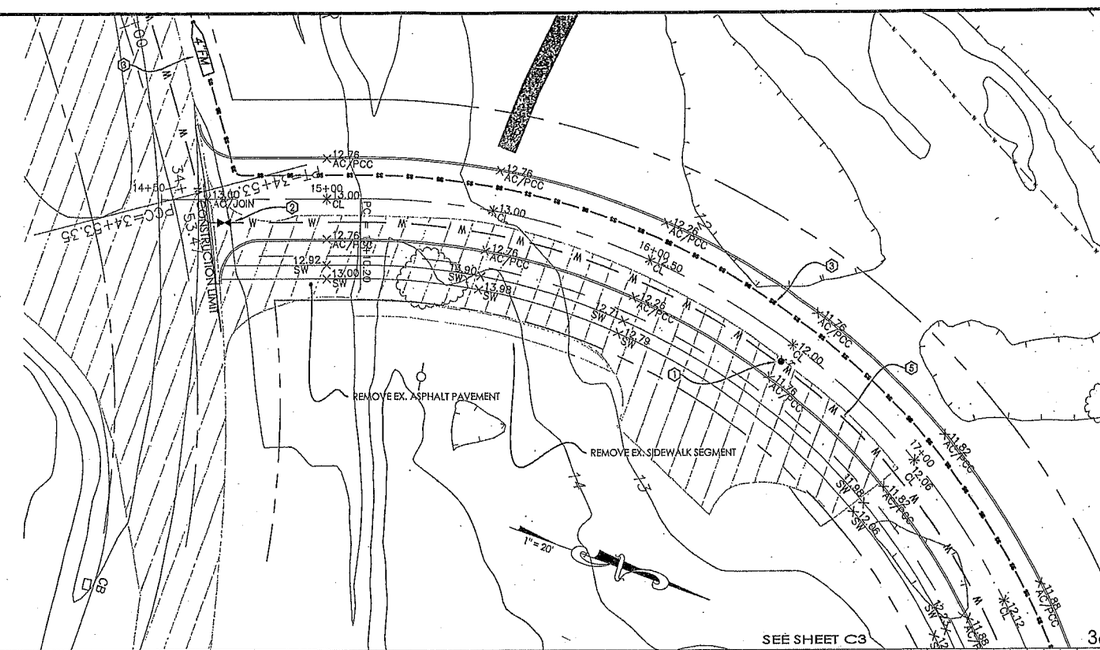
1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4
4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G5 & G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. NEW SEWER SERVICE CONNECTIONS AT EXISTING BUILDINGS SHALL OCCUR IMMEDIATELY DOWNSTREAM OF BUILDING CLEANOUT, MAINTAINING EXISTING CLEANOUT WHEREVER POSSIBLE.

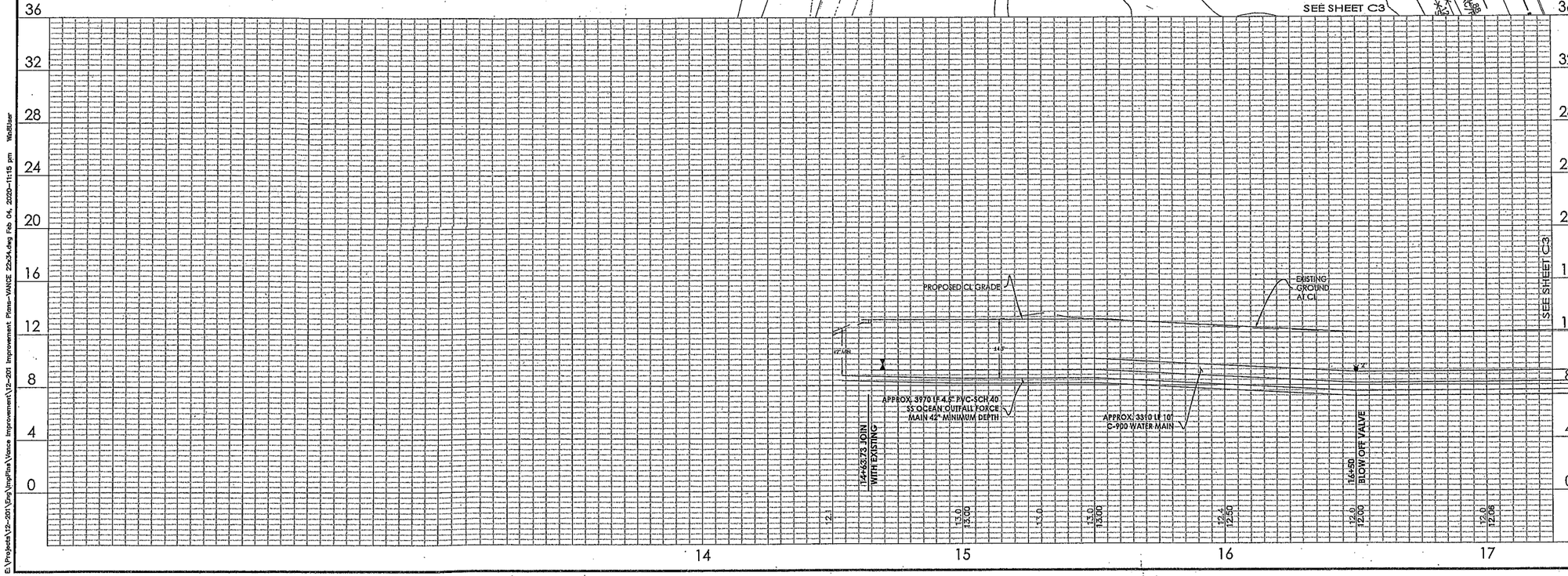
NOTES CONTINUED

7. SEWER AND WATER SERVICE LATERALS OUTSIDE OF R.O.W. SHALL BE CONSIDERED PRIVATE. ALL SEWER AND WATER WITHIN R.O.W. IS PUBLIC.
8. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
9. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G6.
10. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
11. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
12. DRAINAGE FIXTURE UNITS (DFU) AND WATER SERVICE FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
13. ALL WATER SYSTEM WORKMANSHIP, MATERIALS, AND METHODS OF INSTALLATION SHALL CONFORM WITH CALIFORNIA PLUMBING CODE CHAPTER 6 AND IN ACCORDANCE WITH ACCEPTED PRACTICES.
14. ALL SEWER SYSTEM WORKMANSHIP, MATERIALS, AND METHODS OF INSTALLATION SHALL CONFORM WITH CALIFORNIA PLUMBING CODE CHAPTER 7 AND IN ACCORDANCE WITH ACCEPTED PRACTICES.

WATER AND SEWER NOTES

1. 2" BLOWOFF VALVE
2. 10" WATER GATE VALVE
3. 4" OCEAN OUTFALL SEWER FORCE MAIN
4. N/A
5. 3390 LINEAL FEET 10" WATER MAIN





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VANCE AVENUE PLAN AND PROFILE
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VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C2 OF 17

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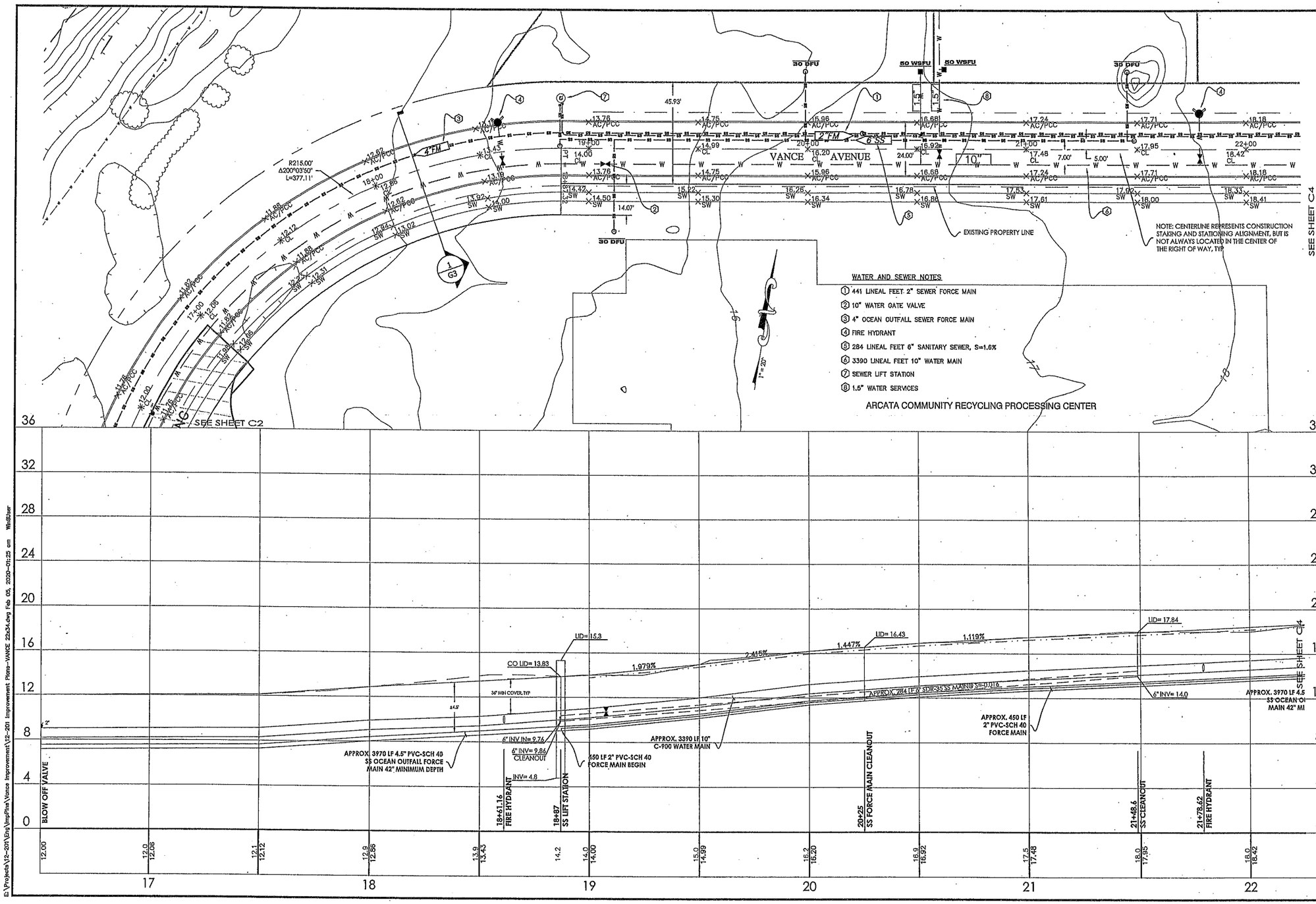

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SHEET C3 OF 17

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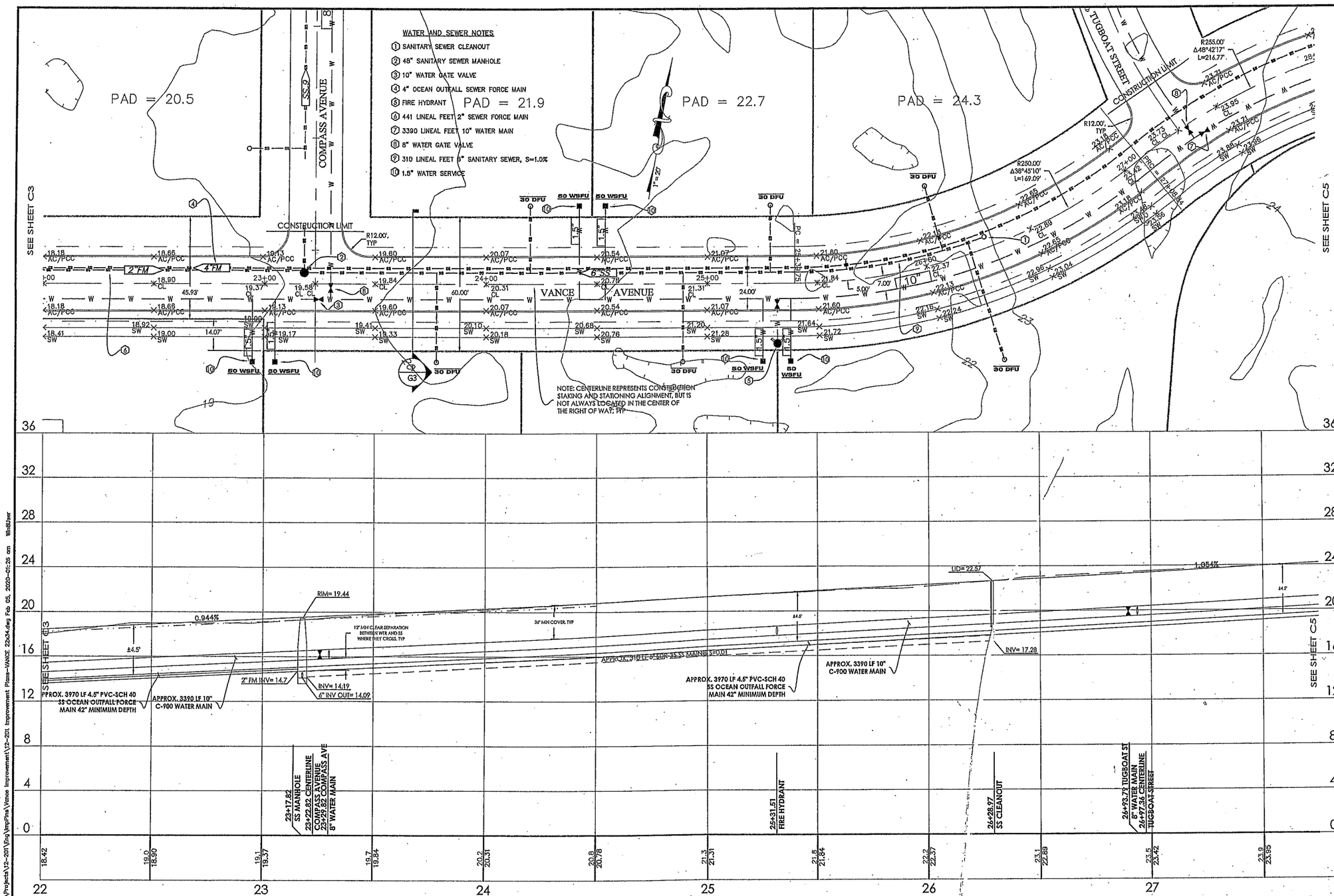

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California Professional Engineer Registered Civil Engineer Registered Land Surveyor
APPROVED
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TOWN OF SAMOA

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PROJECT NUMBER 12-201

SHEET C4 OF 17

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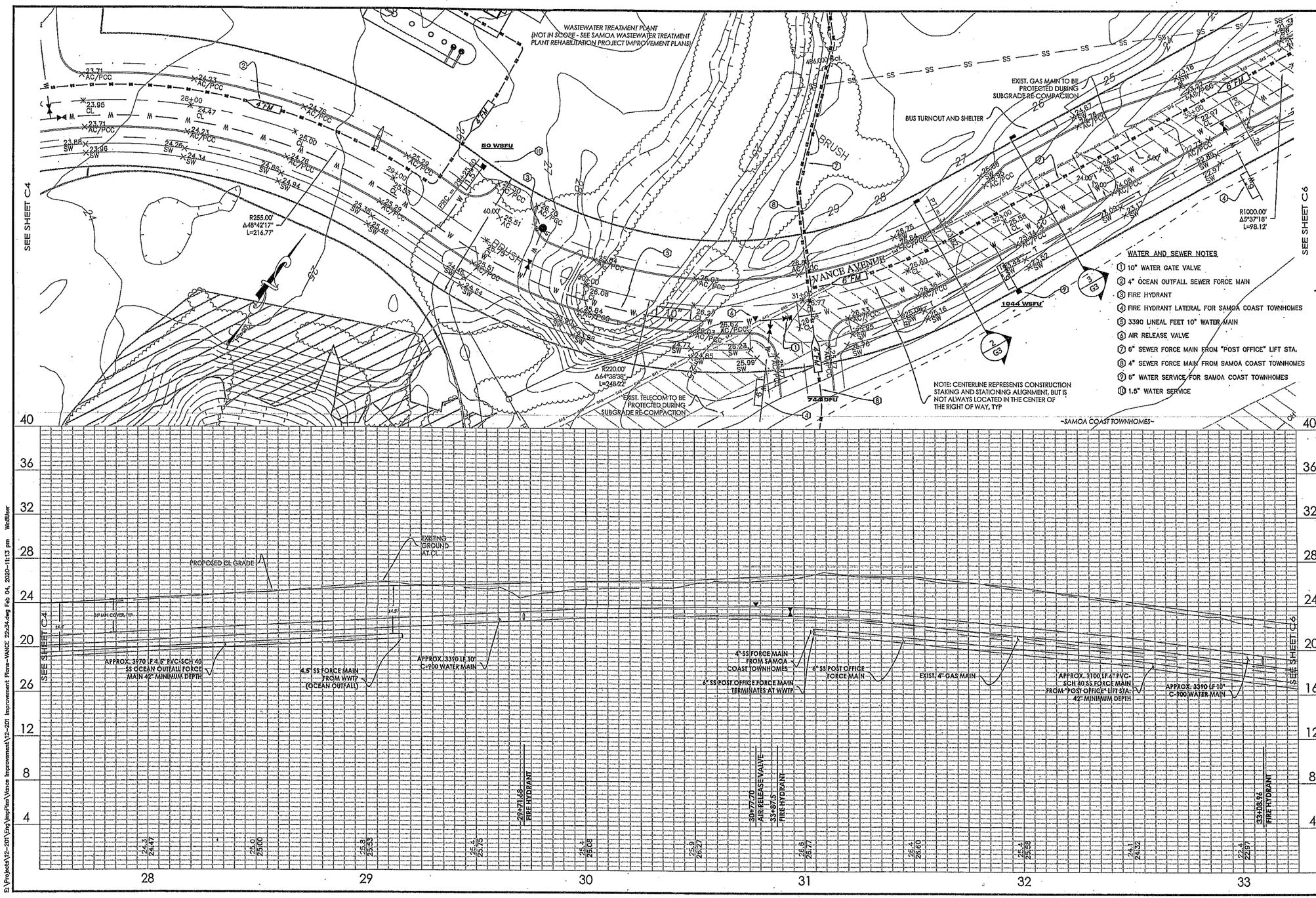

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PROJECT NUMBER
12-201

SHEET C5 OF 17

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PROJECT NUMBER 12-201

SHEET C6 OF 17

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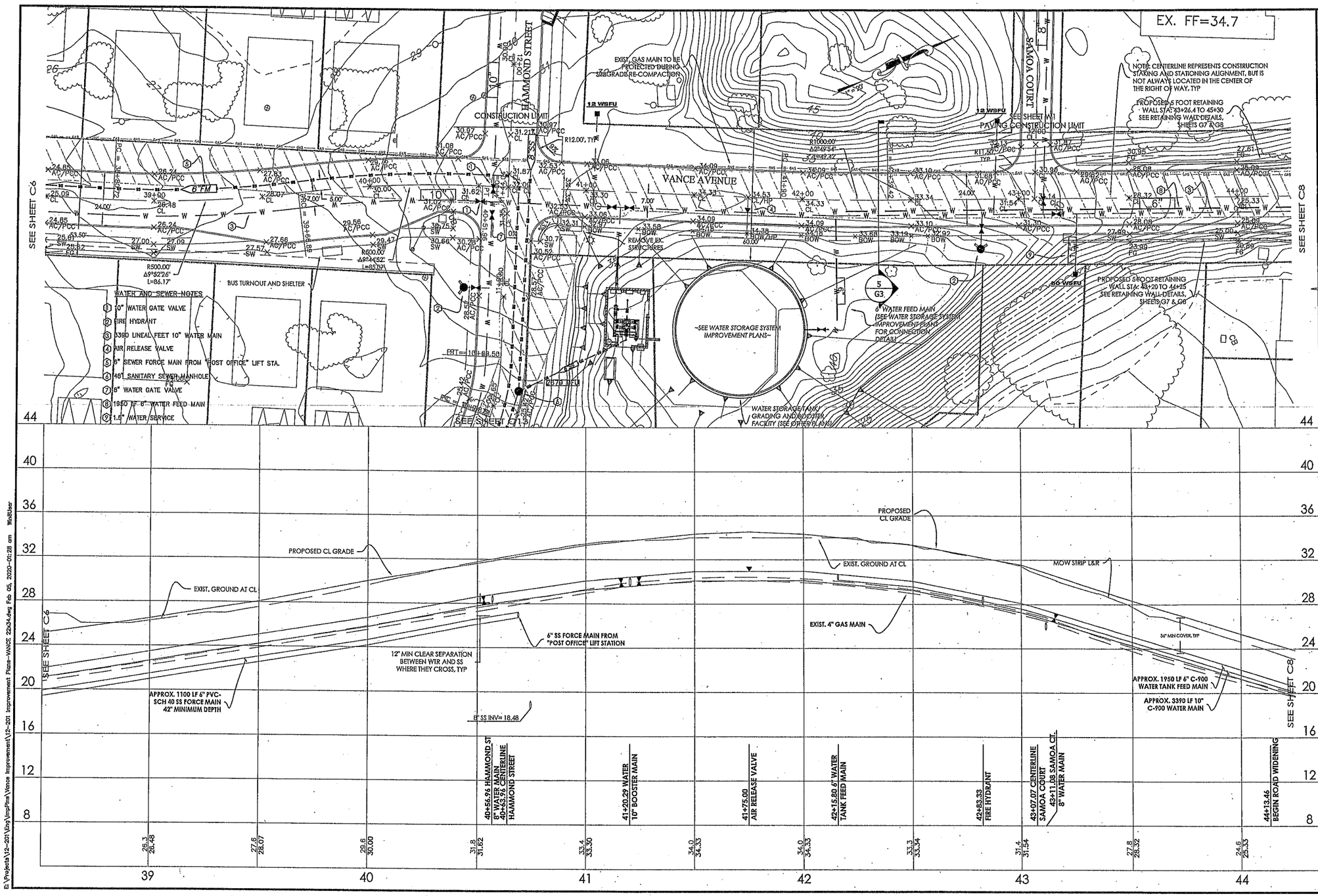

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TOWN OF SAMOA

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TOWN OF SAMOA

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PROJECT NUMBER 12-201

SHEET C9 OF 17

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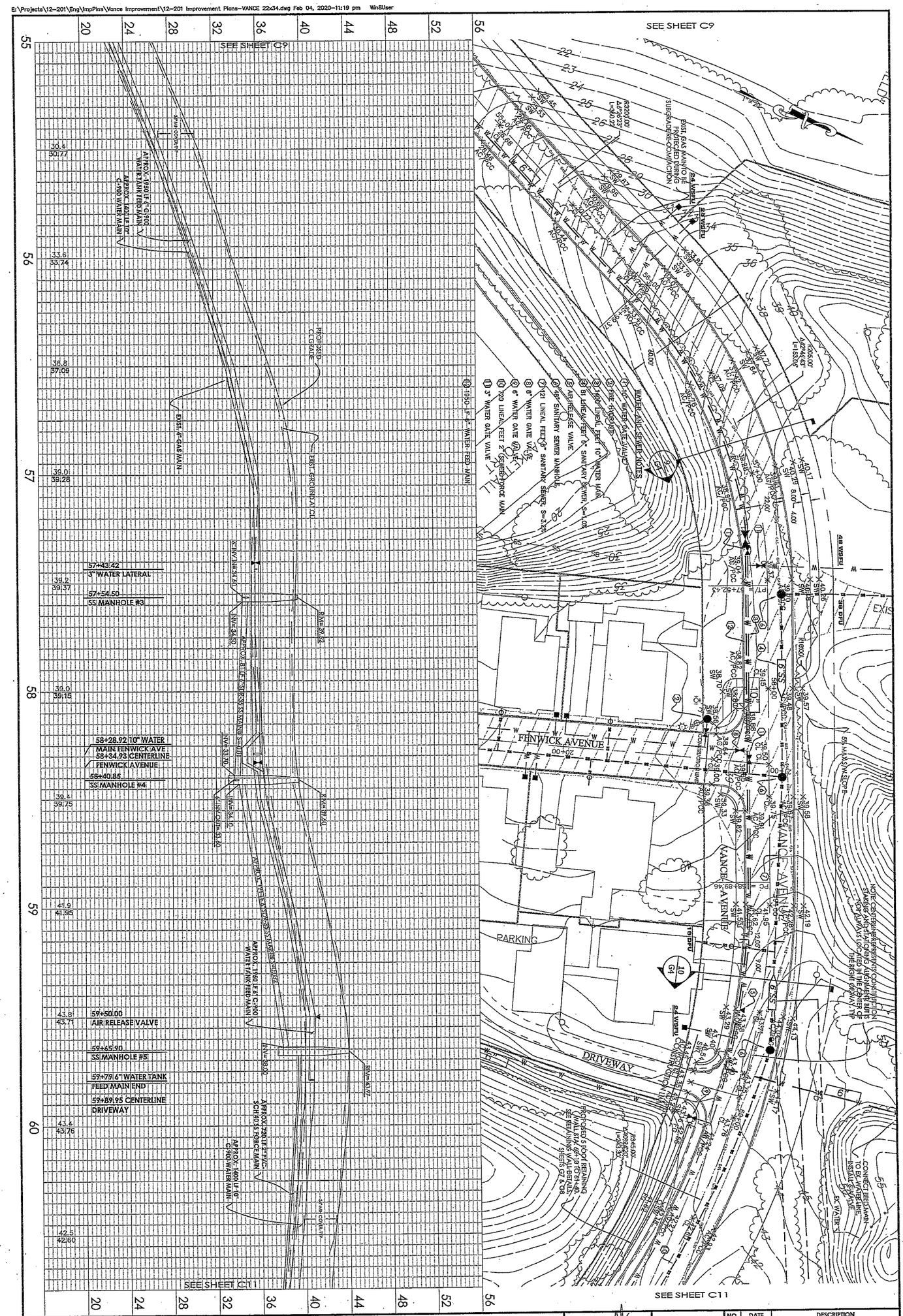

PROJECT NUMBER	TOWN OF SAMOA	CEC	DATE: 02-04-2020	NO.	DATE	DESCRIPTION
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	STA: 55+00 TO 60+50	Fax (530) 751-0953	DRAWN BY: DDI			
SHEET C10 OF 17	VANCE AVE AND PHASE 1A IMPROVEMENT PLANS	1110 Civic Center Blvd., Suite 404	DESIGNED BY: DDI			
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PENINSULA UNION SCHOOL

SEE SHEET C10

PROPOSED 5 FOOT RETAINING WALL STA: 60+10 TO 61+40. SEE RETAINING WALL DETAILS, SHEETS G7 & G8

WATER AND SEWER NOTES

1. 10" WATER GATE VALVE
2. FIRE HYDRANT
3. 1400 LINEAL FEET 10" WATER MAIN
4. 720 LINEAL FEET 2" SEWER FORCE MAIN
5. 2" WATER SERVICE – PENINSULA UNION SCHOOL

EXIST. GAS MAIN TO BE PROTECTED DURING SUBGRADE RE-COMPACTION

EXISTING RETAINING WALLS TO REMAIN

PROPOSED 8" LIFT STATION

PARKING SPACES

VANCE AVENUE

BAY VIEW AVENUE

END PROJECT JOIN WITH EXISTING

NOTE: CENTERLINE REPRESENTS CONSTRUCTION STAKING AND STATIONING ALIGNMENT, BUT IS NOT ALWAYS LOCATED IN THE CENTER OF THE RIGHT OF WAY, TYP.

PROPOSED CL GRADE

EXIST. GROUND AT CL

EXIST. 4" GAS MAIN

APPROX. 720 LF 2" PVC-SCH 40 SS FORCE MAIN

APPROX. 1400 LF 10" C-900 WATER MAIN

61+79.26 SS FORCE MAIN CLEANOUT

61+95.47 FIRE HYDRANT

64+93.40 FIRE HYDRANT 65+00.00 END CL IN 10 FEET JOIN WITH EXISTING

SS FORCE AT PENINSUL

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TOWN OF SAMOA

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PROJECT NUMBER 12-201

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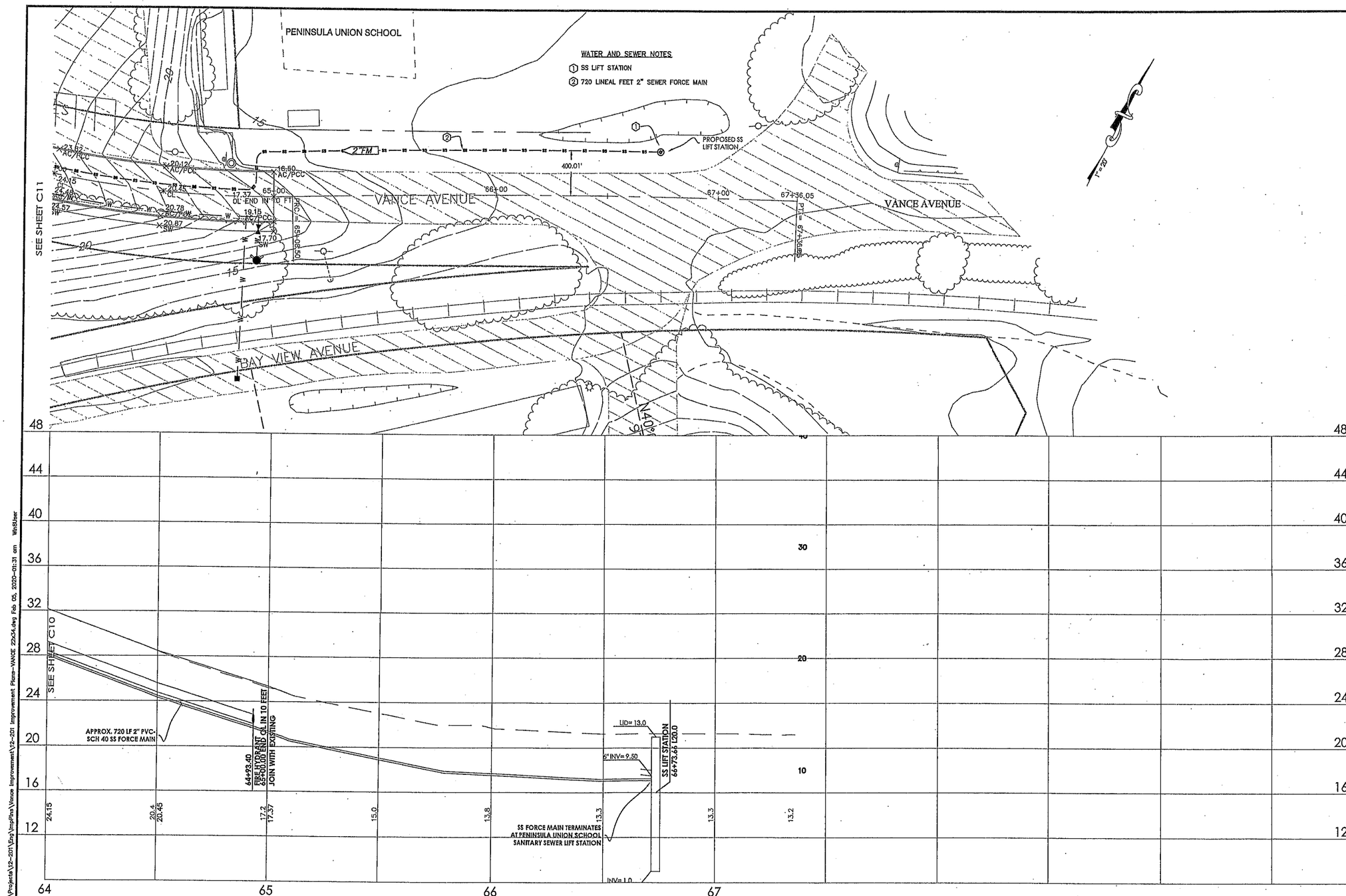

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SHEET C12 OF 17

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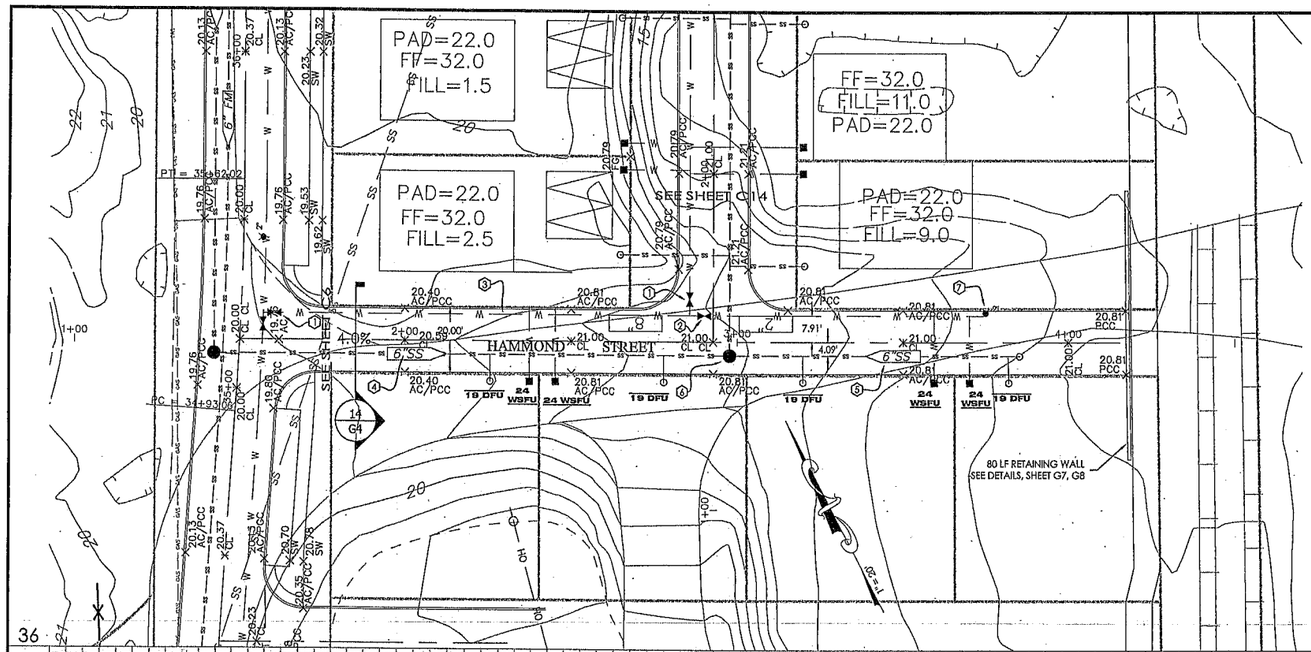

NOTES, SHEETS C2-C16:

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4
4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G5 & G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. NEW SEWER SERVICE CONNECTIONS AT EXISTING BUILDINGS SHALL OCCUR IMMEDIATELY DOWNSTREAM OF BUILDING CLEANOUT, MAINTAINING EXISTING CLEANOUT WHEREVER POSSIBLE.

WATER AND SEWER NOTES

1. 8" WATER GATE VALVE
2. 2" WATER GATE VALVE
3. 130 LINEAL FEET 8" WATER MAIN
4. 142 LINEAL FEET 6" SANITARY SEWER, S=1.0%
5. 86 LINEAL FEET 6" SANITARY SEWER, S=1.0%
6. 48" SANITARY SEWER MANHOLE
7. 2" BLOW OFF VALVE

NOTES CONTINUED

7. SEWER AND WATER SERVICE LATERALS OUTSIDE OF R.O.W. SHALL BE CONSIDERED PRIVATE, ALL SEWER AND WATER WITHIN R.O.W. IS PUBLIC.
8. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
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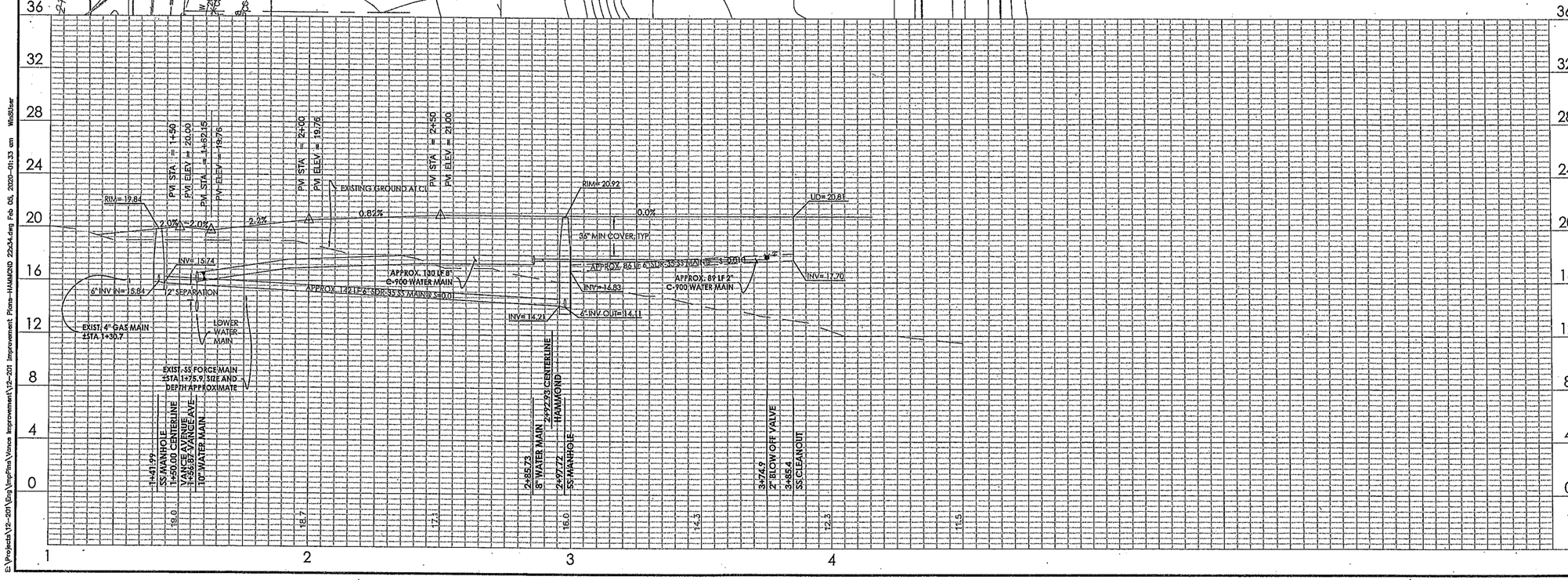
11. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
12. DRAINAGE FIXTURE UNITS (DFU) AND WATER SERVICE FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
13. ALL WATER SYSTEM WORKMANSHIP, MATERIALS, AND METHODS OF INSTALLATION SHALL CONFORM WITH CALIFORNIA PLUMBING CODE CHAPTER 6 AND IN ACCORDANCE WITH ACCEPTED PRACTICES.
14. ALL SEWER SYSTEM WORKMANSHIP, MATERIALS, AND METHODS OF INSTALLATION SHALL CONFORM WITH CALIFORNIA PLUMBING CODE CHAPTER 7 AND IN ACCORDANCE WITH ACCEPTED PRACTICES.



NO.	DATE	DESCRIPTION

DATE: 03-04-2020
SCALE: 1"=50'H 1"=4'V
DRAWN BY: DDI
DESIGNED BY: DDI
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TOWN OF SAMOA

HAMMOND_1 PLAN AND PROFILE
STA: 1+00 TO 4+00
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C13 OF 17

E:\Projects\12-201\Eng\Imp\Plns\Vance Improvement\12-201 Improvement Plans-HAMMOND 22x34.dwg Feb 05, 2020-01:33 am WebUser

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
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TOWN OF SAMOA

HAMMOND_2 PLAN AND PROFILE
STA: 1+00 TO 6+00
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C14 OF 17

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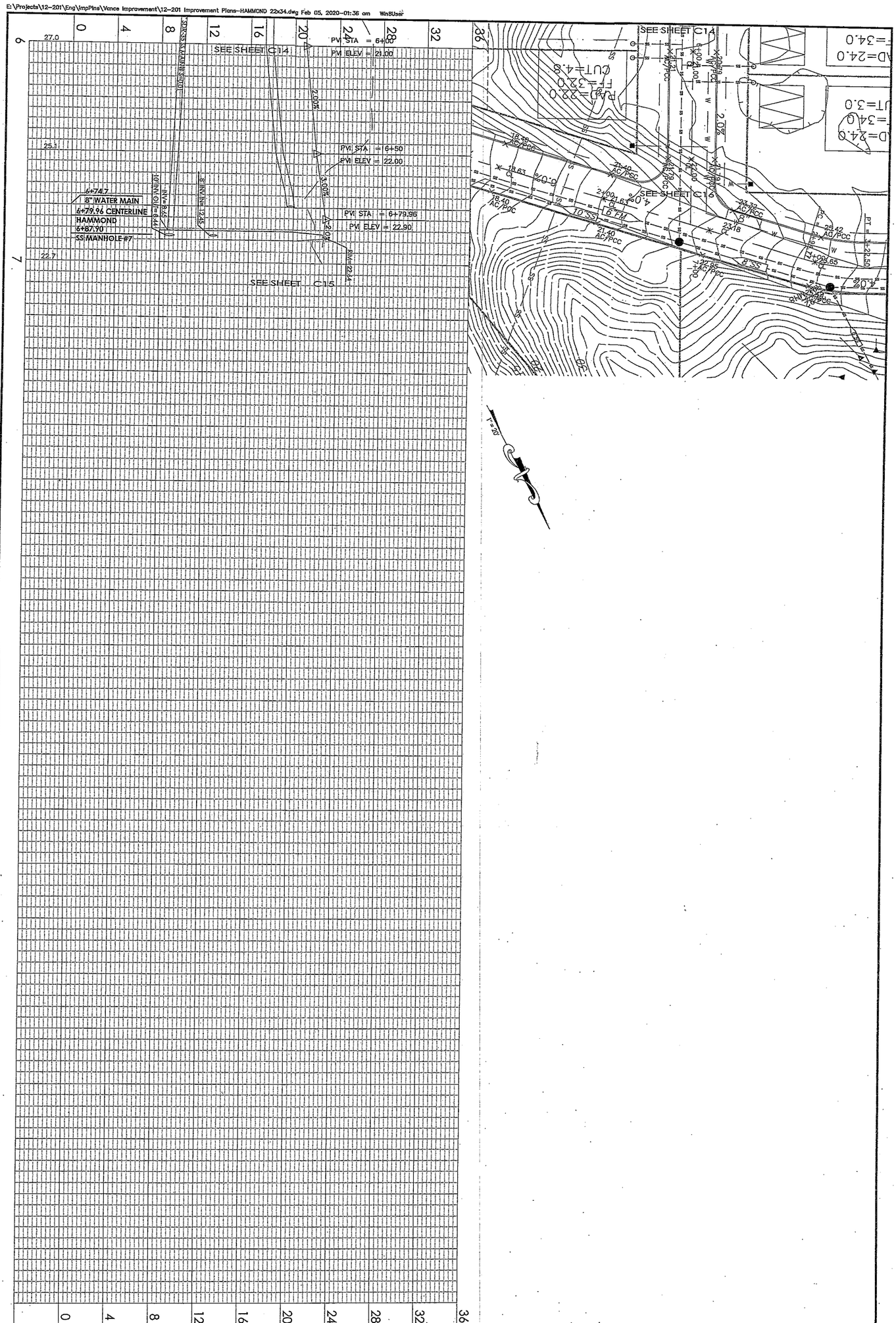

PROJECT NUMBER	TOWN OF SAMOA						
12-201	HAMMOND_2 PLAN AND PROFILE STA: 6+00 TO 7+00	CEC Engineering - Planning - Surveying - Community Development www.cecusa.net	Office (530) 751-0952 Fax (530) 751-0953 1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993	DATE: 02-04-2020 SCALE: 1"=20'H 1"=4'V DRAWN BY: DDI DESIGNED BY: DDI CHECKED BY: DLS	NO.	DATE	DESCRIPTION
SHEET C15 OF 17	VANCE AVE AND PHASE 1A IMPROVEMENT PLANS						

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WATER AND SEWER NOTES

1. FIRE HYDRANT
2. 154 LINEAL FEET 8" WATER MAIN
3. 187 LINEAL FEET 8" SANITARY SEWER, S=1.0%
4. 68 LINEAL FEET 8" SANITARY SEWER, S=1.0%
5. 48" SANITARY SEWER MANHOLE
6. 119 LINEAL FEET 10" SANITARY SEWER, S=1.0%
7. 280 LINEAL FEET 4" SEWER FORCE MAIN
8. 431 LINEAL FEET 10" SANITARY SEWER, S=1.0%

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: 1"=20'H 1"=4'V
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TOWN OF SAMOA

HAMMOND_3 PLAN AND PROFILE
STA: 1+00 TO 4+00
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C16 OF 17

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NO.	DATE	DESCRIPTION

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MAR 10 2020
Humboldt County Building Division

TOWN OF SAMOA

HAMMOND AREA GRADING PLAN

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET C17 OF 17

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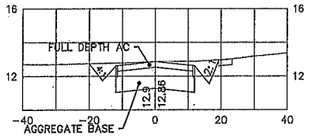
NOTES:

1. SEE CUT SLOPE DETAIL AND FILL SLOPE DETAIL, SHEET G5

18+00



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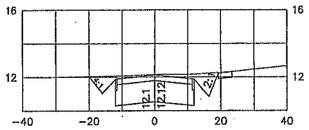

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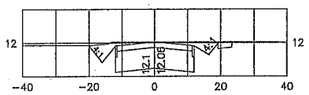

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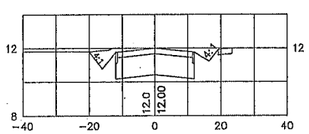

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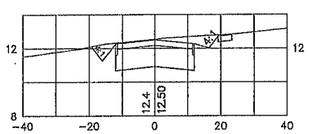

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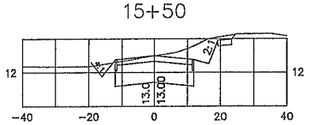

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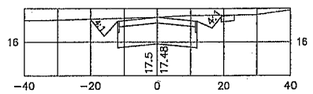

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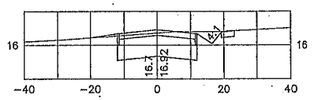

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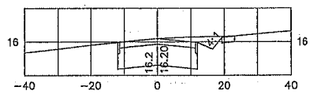

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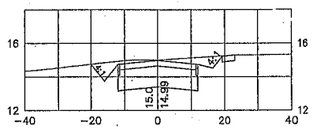

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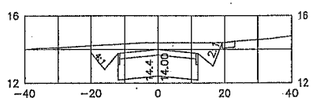

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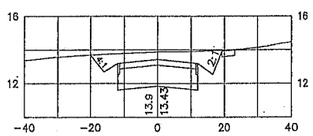

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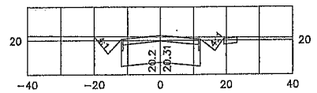

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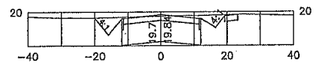

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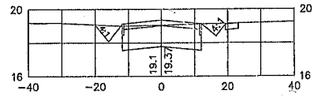

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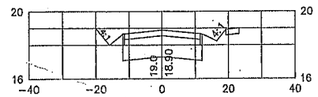

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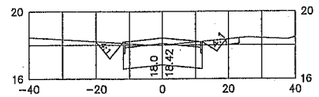

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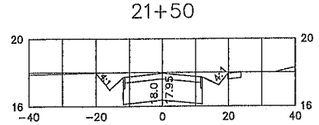

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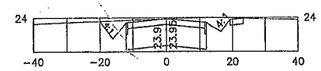

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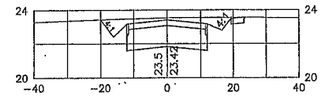

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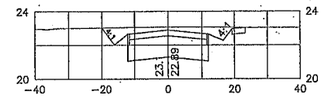

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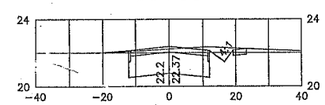

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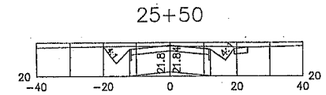

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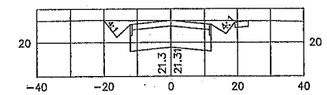

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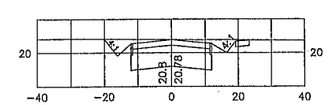

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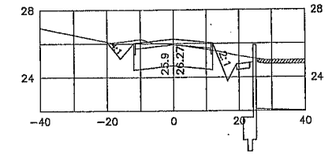

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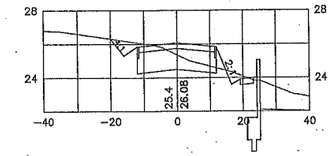

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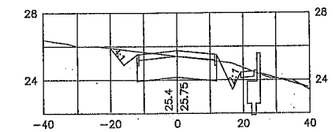

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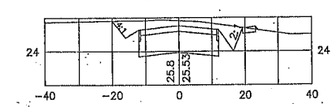

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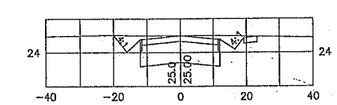

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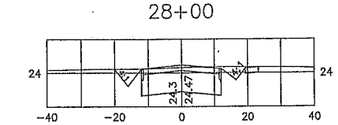

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: 1"=20ft.1"=4'V
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DESIGNED BY: DDI
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APR 13 2020
Humboldt County Building Division

TOWN OF SAMOA

VANCE AVENUE CROSS SECTIONS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET S1 OF 6

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NOTES:

1. SEE CUT SLOPE DETAIL AND FILL SLOPE DETAIL, SHEET G5

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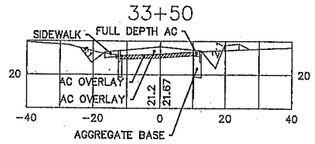

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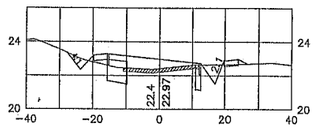

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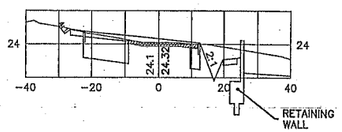

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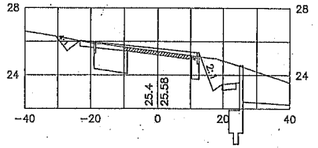

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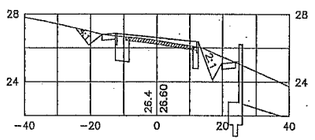

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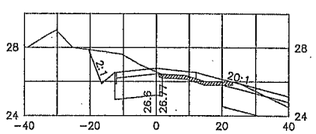

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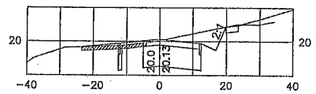

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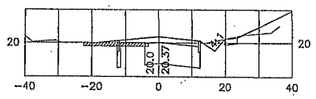

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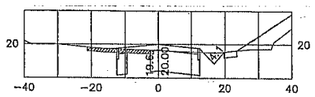

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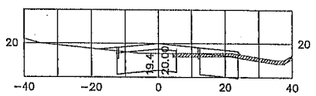

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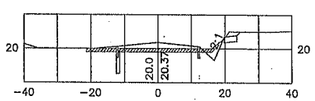

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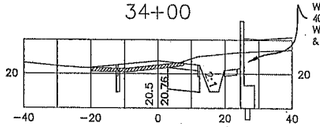

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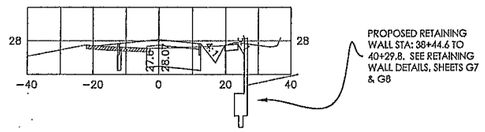

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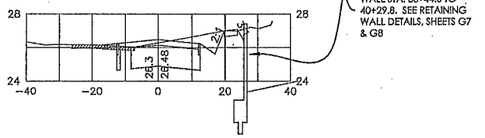

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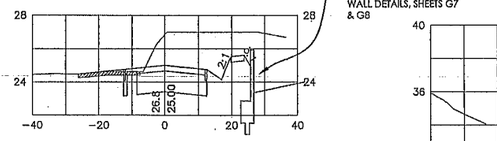

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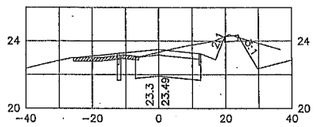

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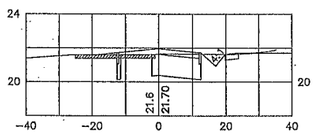

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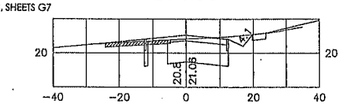

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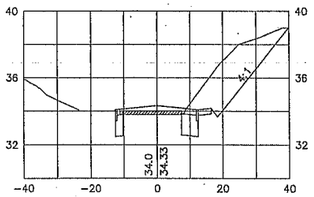

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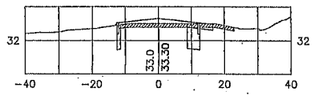

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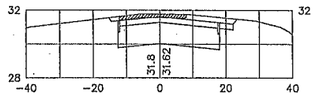

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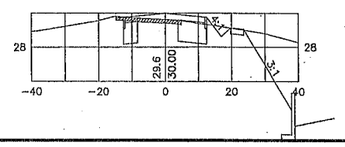

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DATE: 02-04-2020
SCALE: 1"=20ft; 1"=4'V
DRAWN BY: DDI
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
No. 72840
CIVIL
STATE OF CALIFORNIA

CEC
Engineering - Planning - Surveying - Community Development
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1110 Civic Center Blvd., Suite 404
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APPROVED
12-1-2020
Yolo County
Public Works

TOWN OF SAMOA

VANCE AVENUE CROSS SECTIONS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET S2 OF 6

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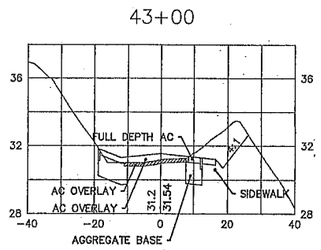
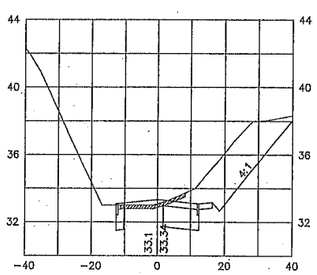
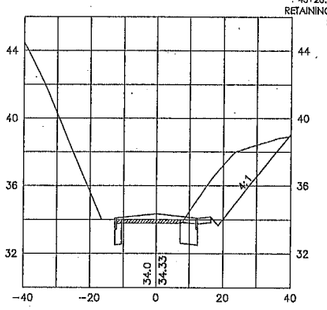
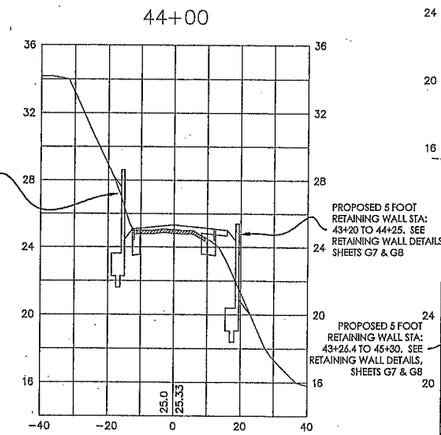
NOTES:

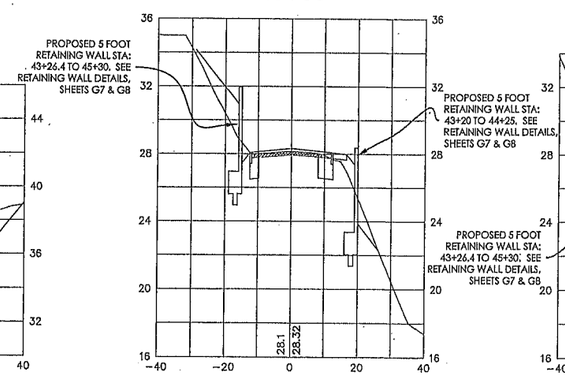
1. SEE CUT SLOPE DETAIL AND FILL SLOPE DETAIL, SHEET G5

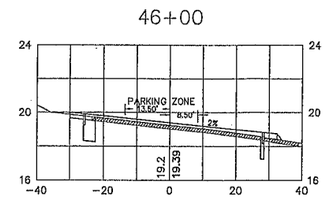


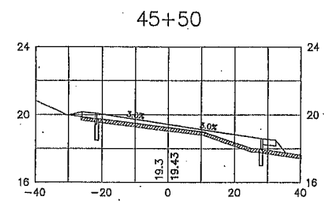


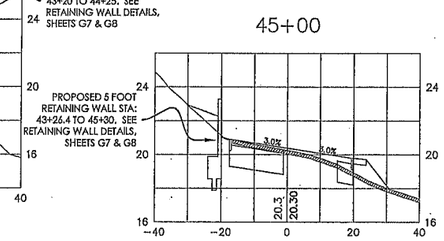


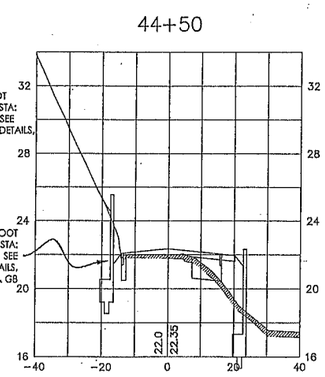


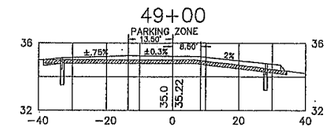


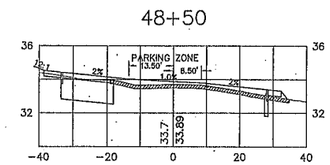


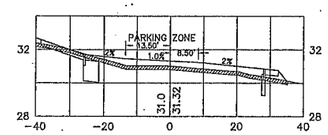


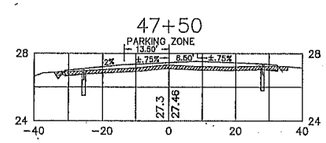


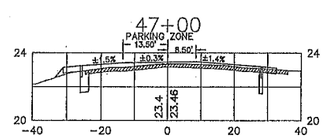


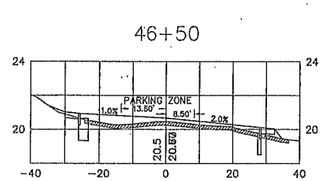


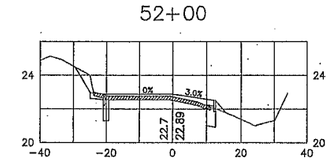


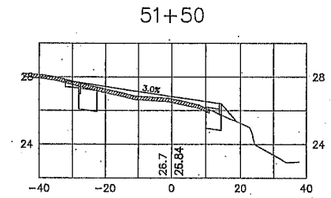


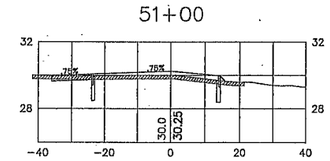


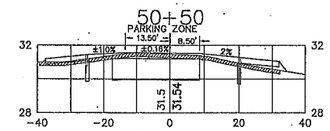


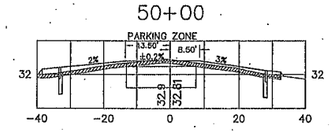


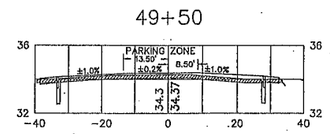












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DESIGNED BY: DDI
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CEC
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Yuba City, CA 95993
www.cecsac.net

TOWN OF SAMOA

VANCE AVENUE CROSS SECTIONS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET S3 OF 6

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Humboldt County
Building Division

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1. SEE CUT SLOPE DETAIL AND FILL SLOPE DETAIL, SHEET G5

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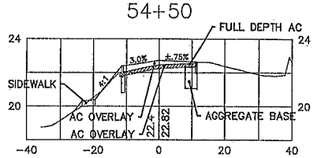

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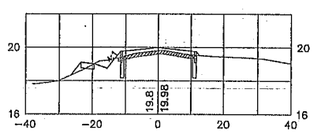

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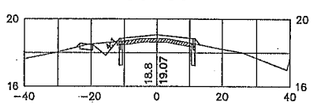

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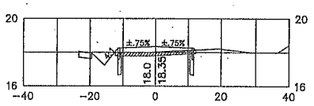

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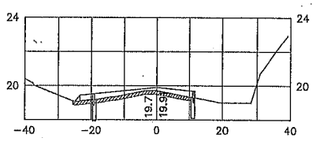

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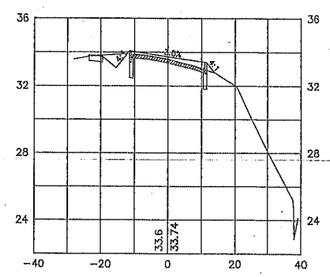

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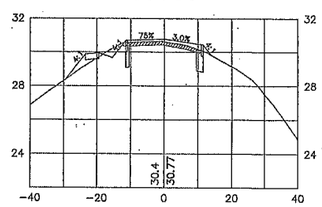

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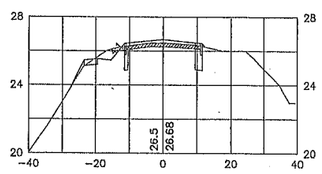

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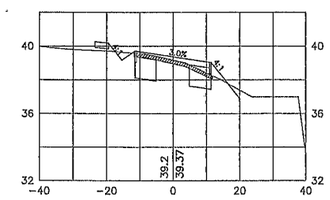

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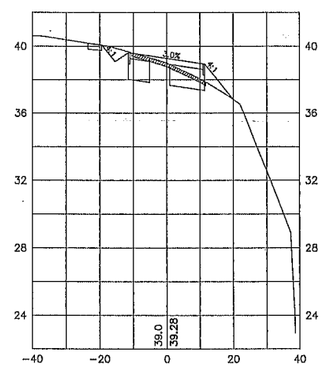

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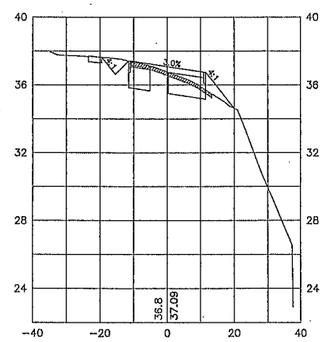

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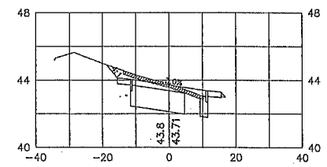

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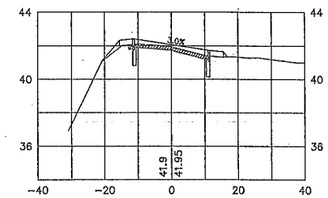

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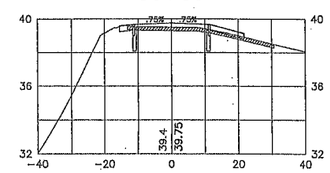

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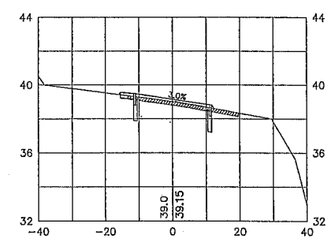

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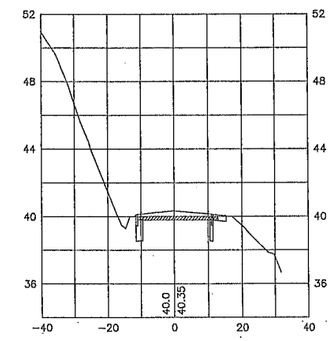

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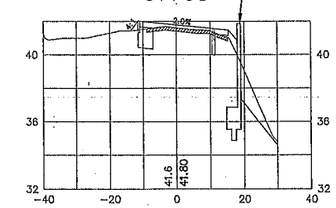
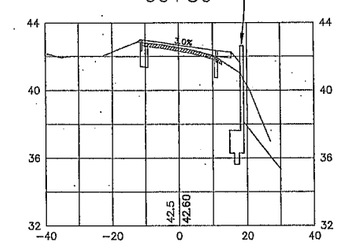


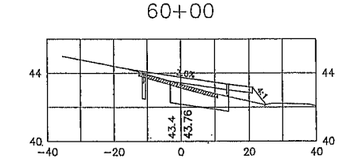
PROPOSED 5 FOOT RETAINING WALL STA: 60+10 TO 61+40. SEE RETAINING WALL DETAILS, SHEETS G7 & G8

60+50



PROPOSED 5 FOOT RETAINING WALL STA: 60+10 TO 61+40. SEE RETAINING WALL DETAILS, SHEETS G7 & G8

60+00



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TOWN OF SAMOA

VANCE AVENUE CROSS SECTIONS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET S4 OF 6

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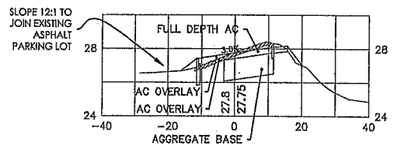
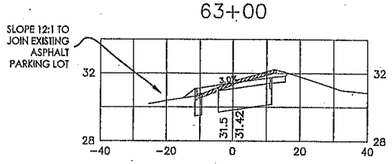
NOTES:

1. SEE CUT SLOPE DETAIL AND FILL SLOPE DETAIL, SHEET G5

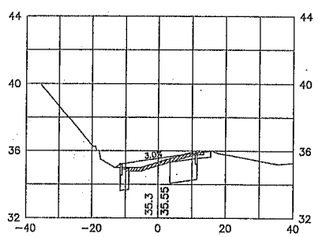
63+50



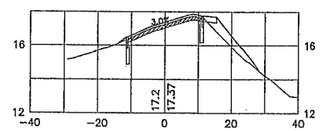
63+00



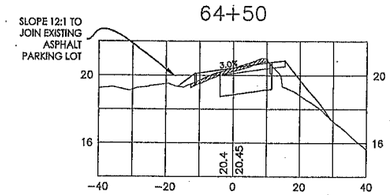
62+50



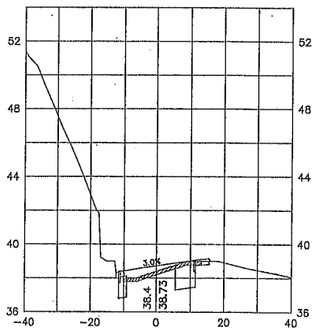
65+00



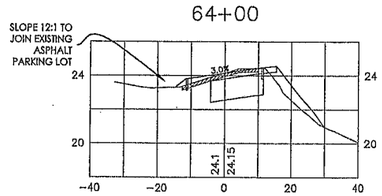
64+50



62+00



64+00



NO.	DATE	DESCRIPTION

DATE: 02-04-2020
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REGISTERED PROFESSIONAL ENGINEER
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No. 74747
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Public Works Division

TOWN OF SAMOA

VANCE AVENUE CROSS SECTIONS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET S5 OF 6

E:\Projects\12-201\Eng\ImpPlns\Vance Improvement\12-201 Improvement Plans-CROSS_SECTIONS - VANCE 22x34.dwg Feb 04, 2020-11:30 pm WebBlwr

NOTE: CUT AND FILL JOIN SLOPES ARE 4:1 EXCEPT WHERE NOTED

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Humboldt County
Public Works

TOWN OF SAMOA

HAMMOND STREET CROSS SECTIONS

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET S6 OF 6

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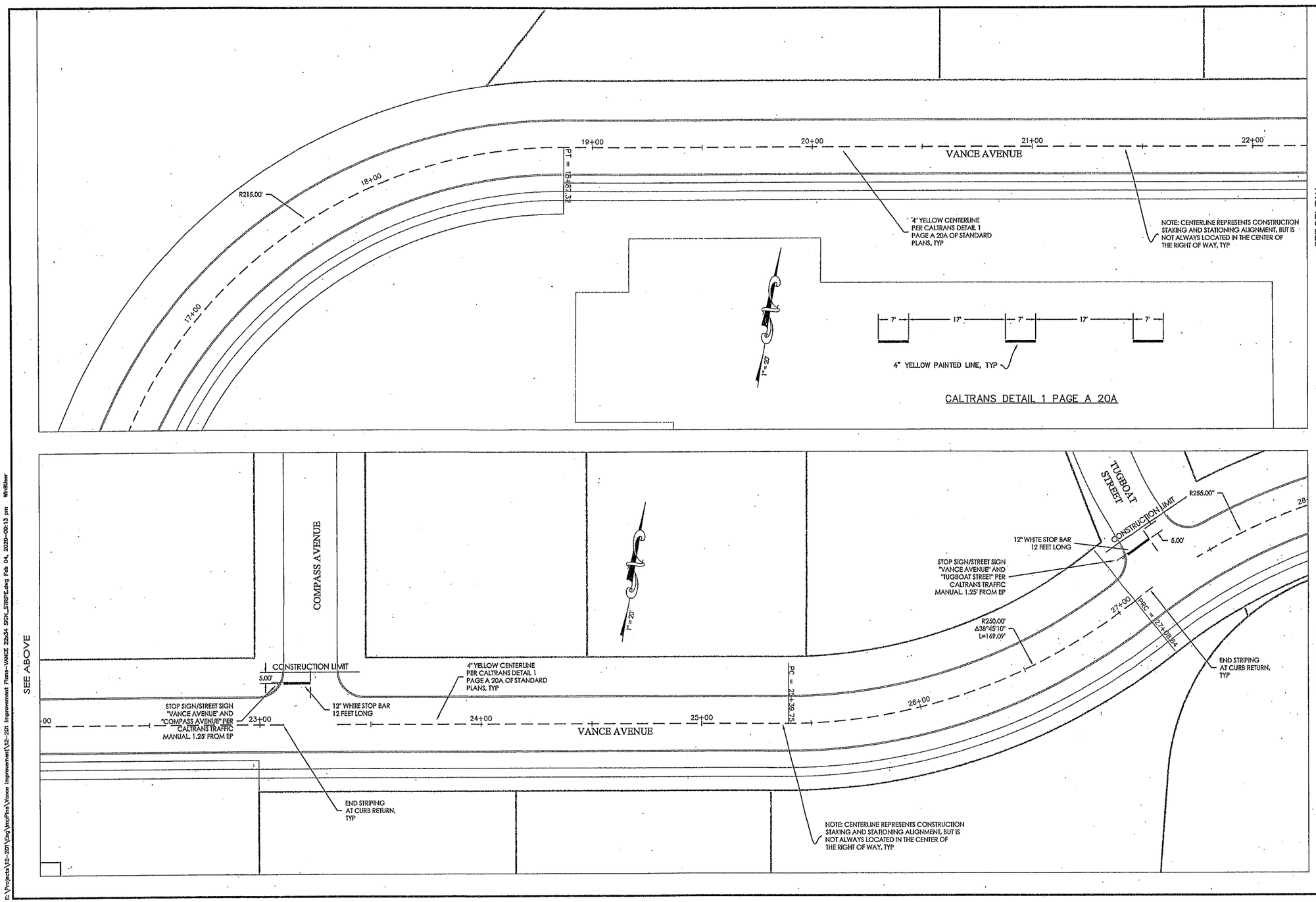

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2020
Humboldt County Building Division

TOWN OF SAMOA

VANCE AVENUE SIGN AND STRIPING
STA: 16+50 TO 27+50
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET M1 OF 6

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TOWN OF SAMOA

VANCE AVENUE SIGN AND STRIPING
STA: 27+50 TO 38+50
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET M2 OF 6

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DATE: 02-04-2020
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Building Division

TOWN OF SAMOA

VANCE AVENUE SIGN AND STRIPING
STA: 38+50 TO 49+50
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET M3 OF 6

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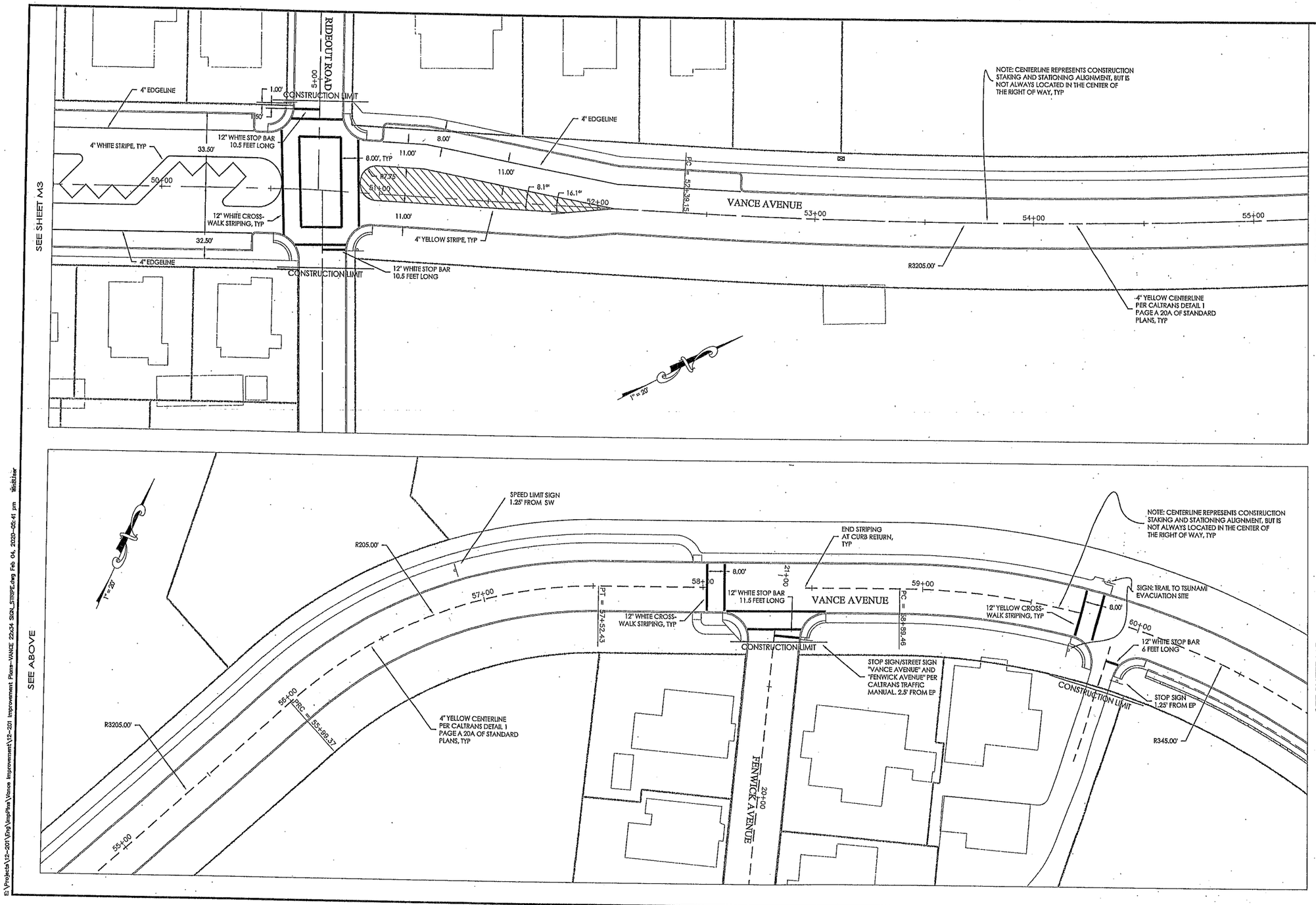

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TOWN OF SAMOA

VANCE AVENUE SIGN AND STRIPING
STA: 49+50 TO 60+50

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET M4 OF 6

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TOWN OF SAMOA

VANCE AVENUE SIGN AND STRIPING
STA: 60+50 TO 65+00
VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET M5 OF 6

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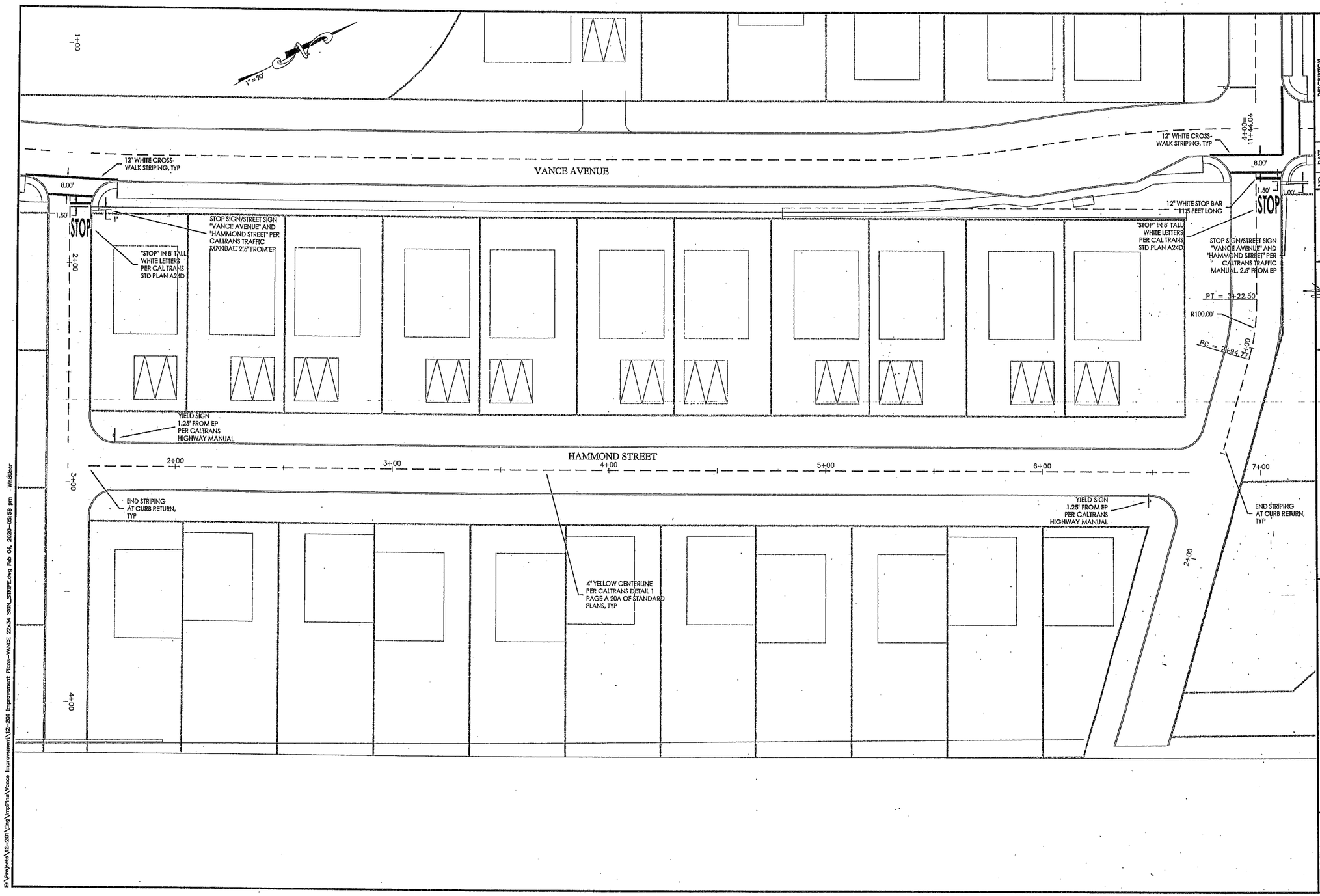

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Town Engineer
Date

TOWN OF SAMOA

HAMMOND & MURRAY SIGN & STRIPE

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET M6 OF 6

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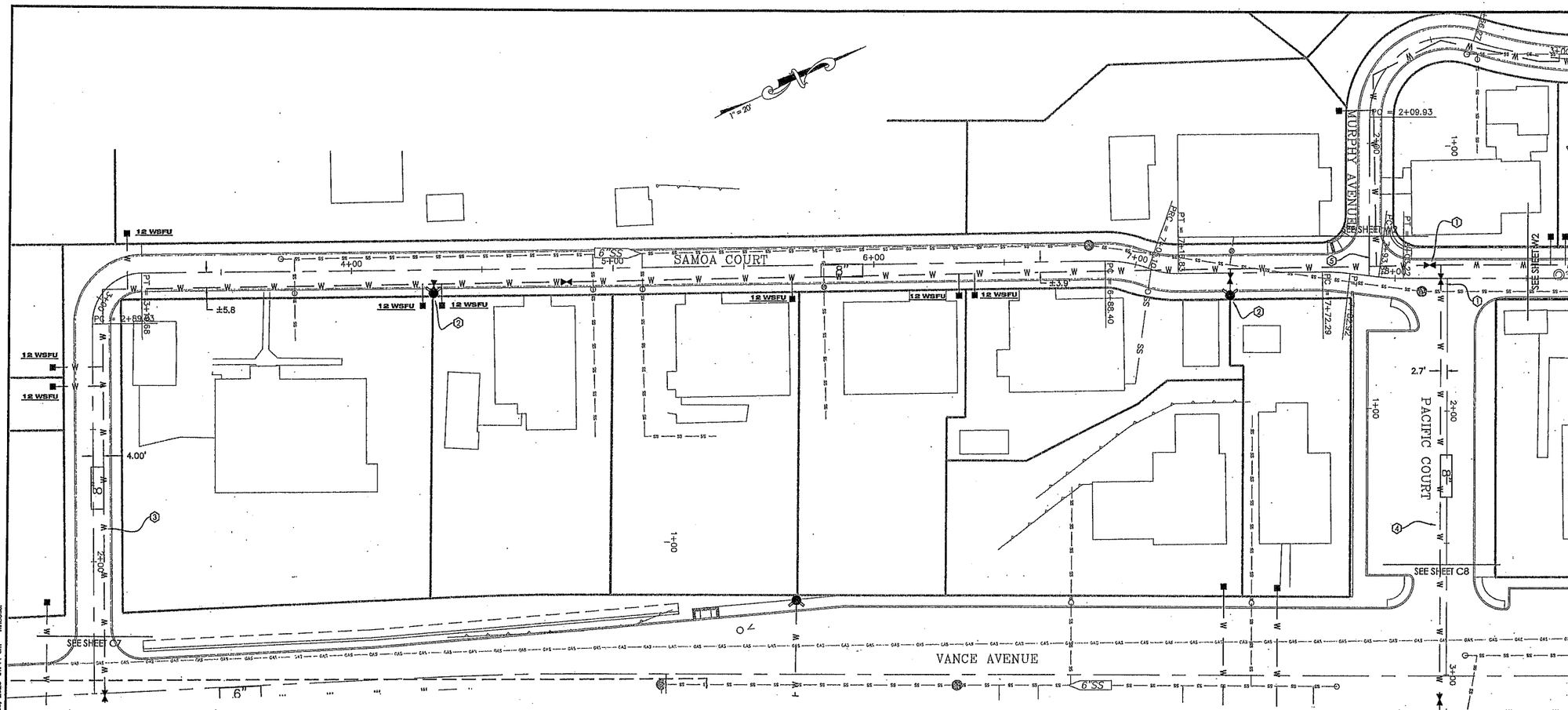

NOTES, SHEETS W1-W4:

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
4. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG WATER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.

NOTES CONTINUED

6. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
7. FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
8. SEE SHEETS C1 THRU C11 FOR VANCE AVENUE PAVING, WATER AND SEWER. WATER SHEETS SHOW WATER SYSTEM FOR CONSTRUCTION AS NECESSARY FOR CONTINUATION OF SERVICE WHERE VANCE AVENUE WATER FEATURES ARE REPLACED.
9. SAMOA SEWER COLLECTION SYSTEM IN AREAS OTHER THAN VANCE, MURRAY, AND HAMMOND SHALL BE HANDLED BY CIVIL PLANS ENTITLED "SAMOA WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECT"

WATER AND SEWER NOTES

1. 8" WATER GATE VALVE
2. FIRE HYDRANT
3. 725 LINEAL FEET 8" WATER MAIN
4. 170 LINEAL FEET 8" WATER MAIN
5. 6" WATER GATE VALVE

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Public Works

TOWN OF SAMOA

WATER PLAN - SAMOA CT, PACIFIC CT

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET W1 OF 5

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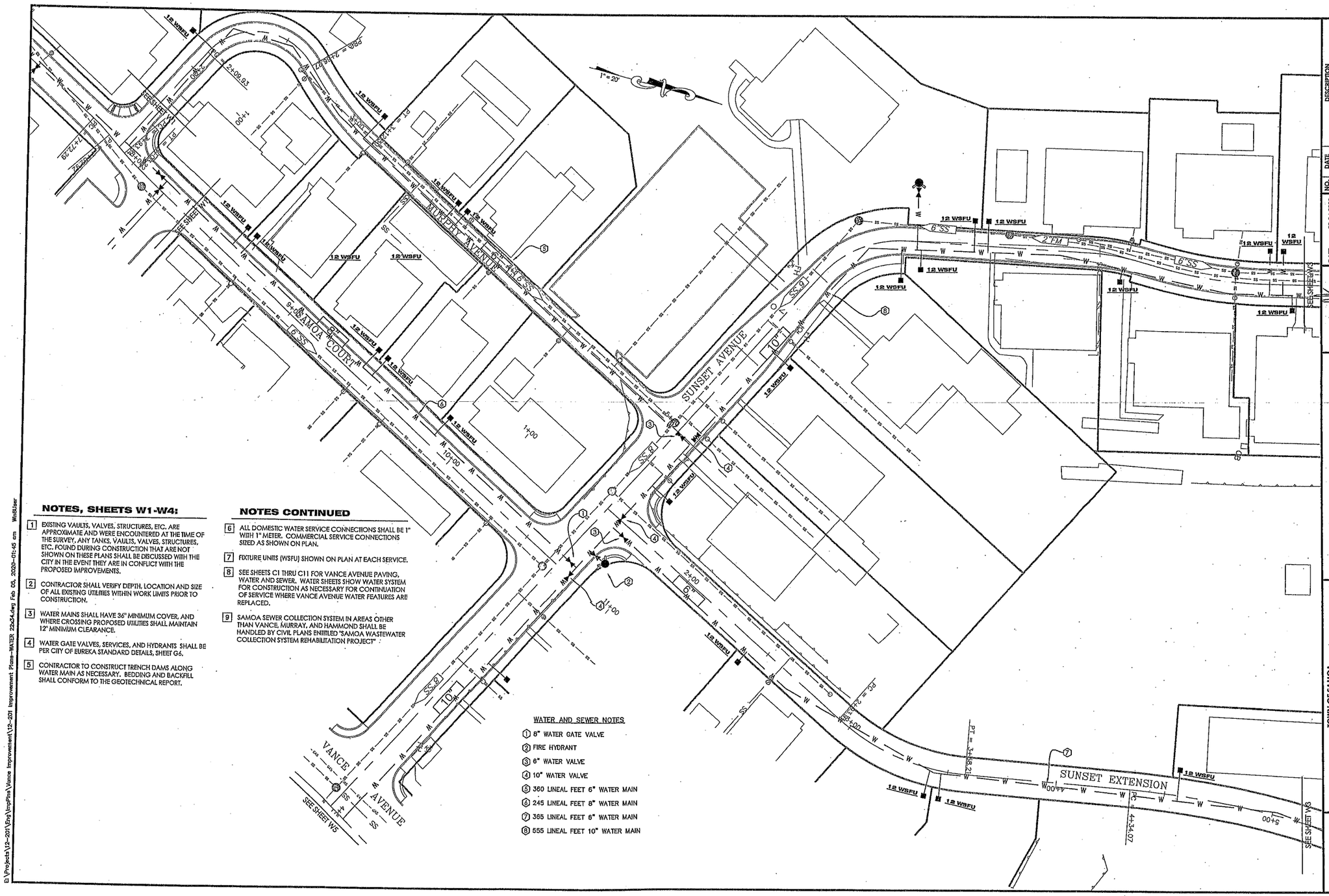

NOTES, SHEETS W1-W4:

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
4. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG WATER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.

NOTES CONTINUED

6. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
7. FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
8. SEE SHEETS C1 THRU C11 FOR VANCE AVENUE PAVING, WATER AND SEWER. WATER SHEETS SHOW WATER SYSTEM FOR CONSTRUCTION AS NECESSARY FOR CONTINUATION OF SERVICE WHERE VANCE AVENUE WATER FEATURES ARE REPLACED.
9. SAMOA SEWER COLLECTION SYSTEM IN AREAS OTHER THAN VANCE, MURRAY, AND HAMMOND SHALL BE HANDLED BY CIVIL PLANS ENTITLED "SAMOA WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECT"

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
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TOWN OF SAMOA

WATER PLAN - MURPHY, SAMOA CT, SUNSET EXN

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET W2 OF 5

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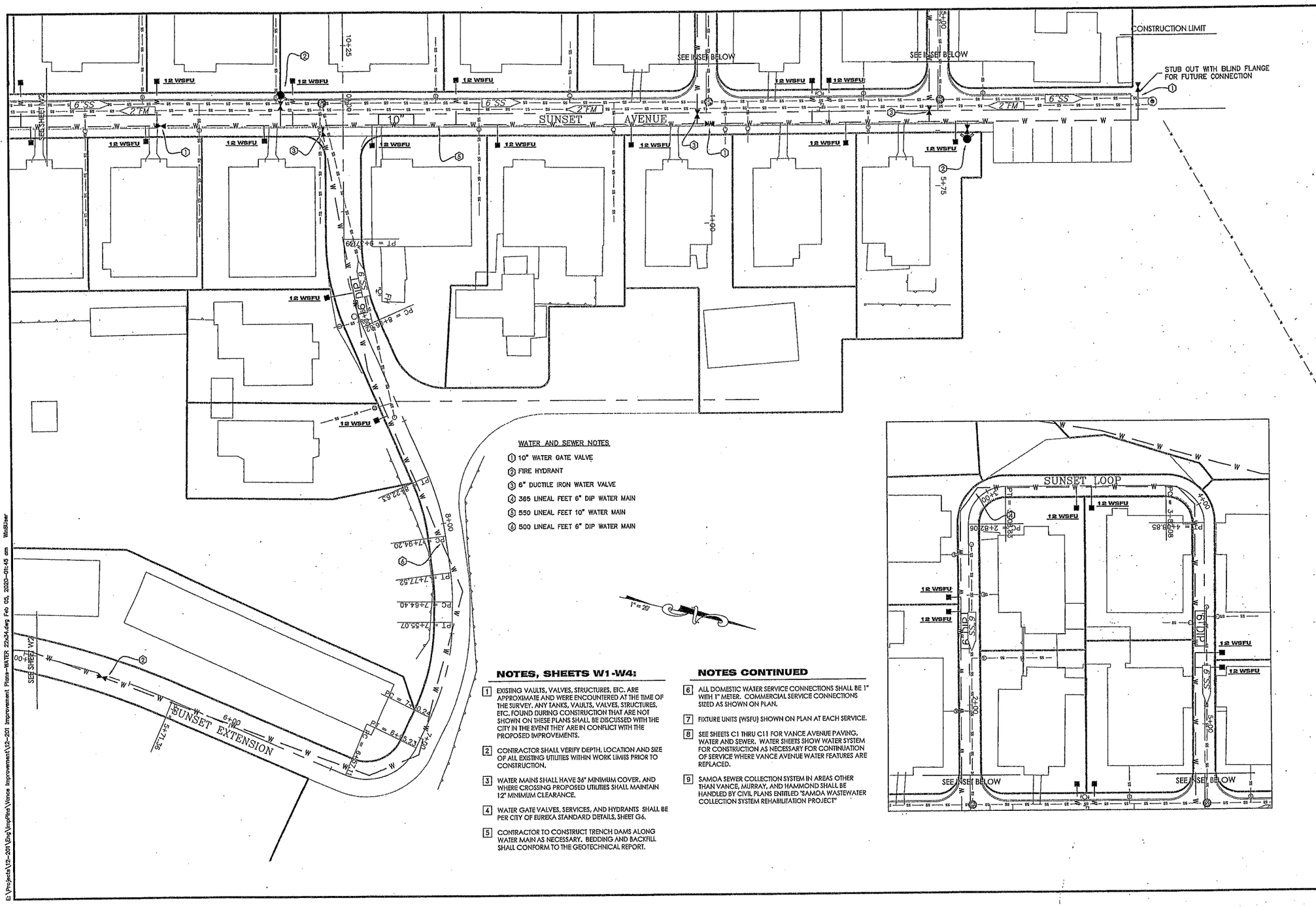

WATER AND SEWER NOTES

1. 10" WATER GATE VALVE
2. FIRE HYDRANT
3. 6" DUCTILE IRON WATER VALVE
4. 365 LINEAL FEET 6" DIP WATER MAIN
5. 550 LINEAL FEET 10" WATER MAIN
6. 500 LINEAL FEET 6" DIP WATER MAIN

NOTES, SHEETS W1-W4:

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
4. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG WATER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.

NOTES CONTINUED

6. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
7. FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
8. SEE SHEETS C1 THRU C11 FOR VANCE AVENUE PAVING, WATER AND SEWER. WATER SHEETS SHOW WATER SYSTEM FOR CONSTRUCTION AS NECESSARY FOR CONTINUATION OF SERVICE WHERE VANCE AVENUE WATER FEATURES ARE REPLACED.
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NO.	DATE	DESCRIPTION

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REGISTERED PROFESSIONAL ENGINEER
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TOWN OF SAMOA

WATER PLAN - SUNSET AVE, SUNSET EXN

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET W3 OF 5

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Humboldt County Public Works Division

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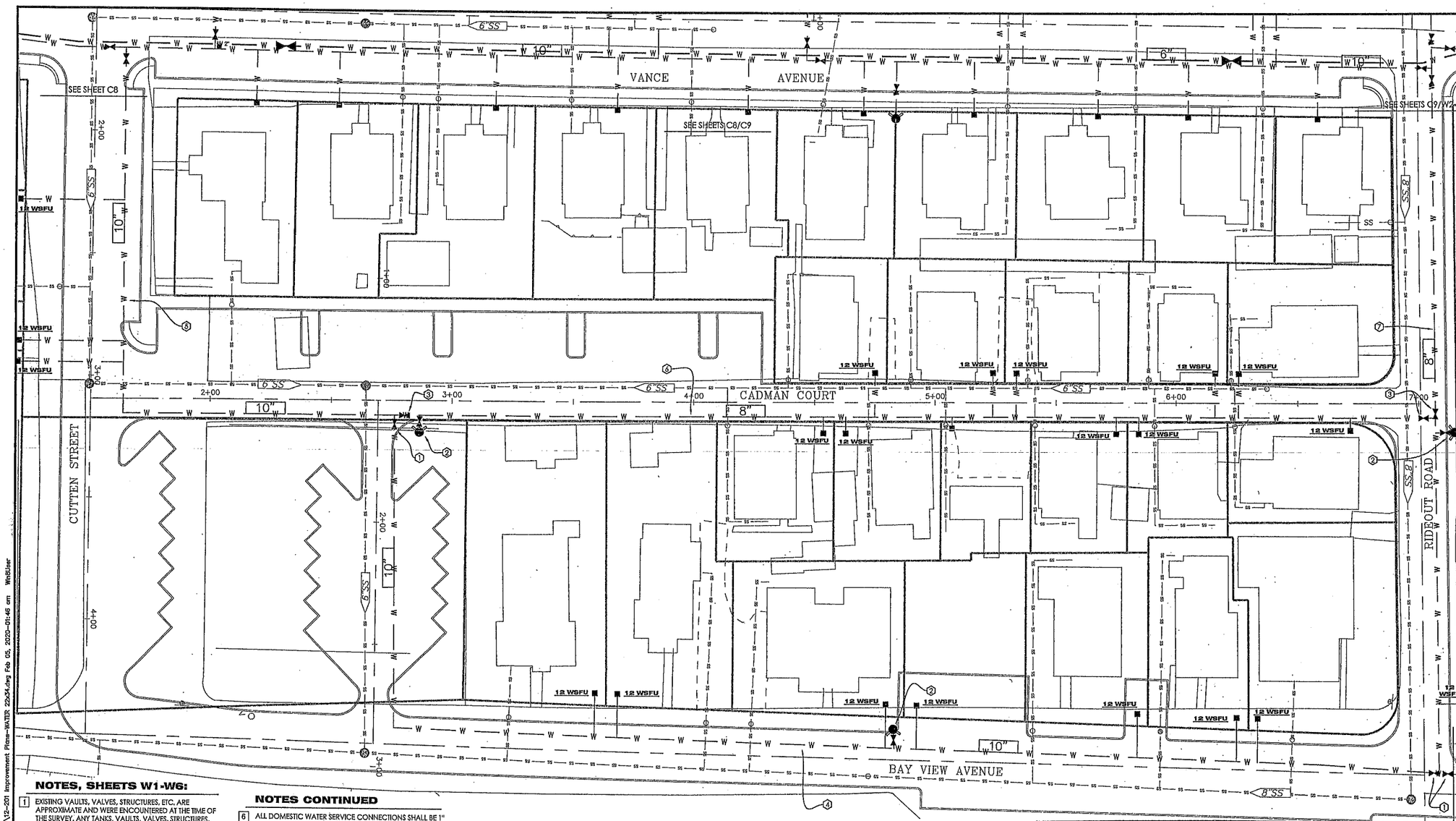

NOTES, SHEETS W1-W6:

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
4. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG WATER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.

NOTES CONTINUED

6. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
7. FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
8. SEE SHEETS C1 THRU C11 FOR VANCE AVENUE PAVING, WATER AND SEWER. WATER SHEETS SHOW WATER SYSTEM FOR CONSTRUCTION AS NECESSARY FOR CONTINUATION OF SERVICE WHERE VANCE AVENUE WATER FEATURES ARE REPLACED.
9. SAMOA SEWER COLLECTION SYSTEM IN AREAS OTHER THAN VANCE, MURRAY, AND HAMMOND SHALL BE HANDLED BY CIVIL PLANS ENTITLED "SAMOA WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECT"

WATER AND SEWER NOTES

1. 10" WATER GATE VALVE
2. FIRE HYDRANT
3. 8" WATER GATE VALVE
4. 556 LINEAL FEET 10" WATER MAIN
5. 280 LINEAL FEET 10" WATER MAIN
6. 430 LINEAL FEET 8" WATER MAIN
7. 300 LINEAL FEET 8" WATER MAIN

NO.	DATE	DESCRIPTION

DATE: 02-04-2020
SCALE: 1"=20'
DRAWN BY: DDI
DESIGNED BY: DDI
CHECKED BY: DLS

CEC
Engineering • Planning • Surveying • Community Development
Office (530) 751-0952
Fax (530) 751-0953
1110 Civic Center Blvd., Suite 404
Yuba City, CA 95993
www.cecinc.net

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TOWN OF SAMOA

WATER PLAN - CADMAN CT, BAYVIEW

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET W4 OF 5

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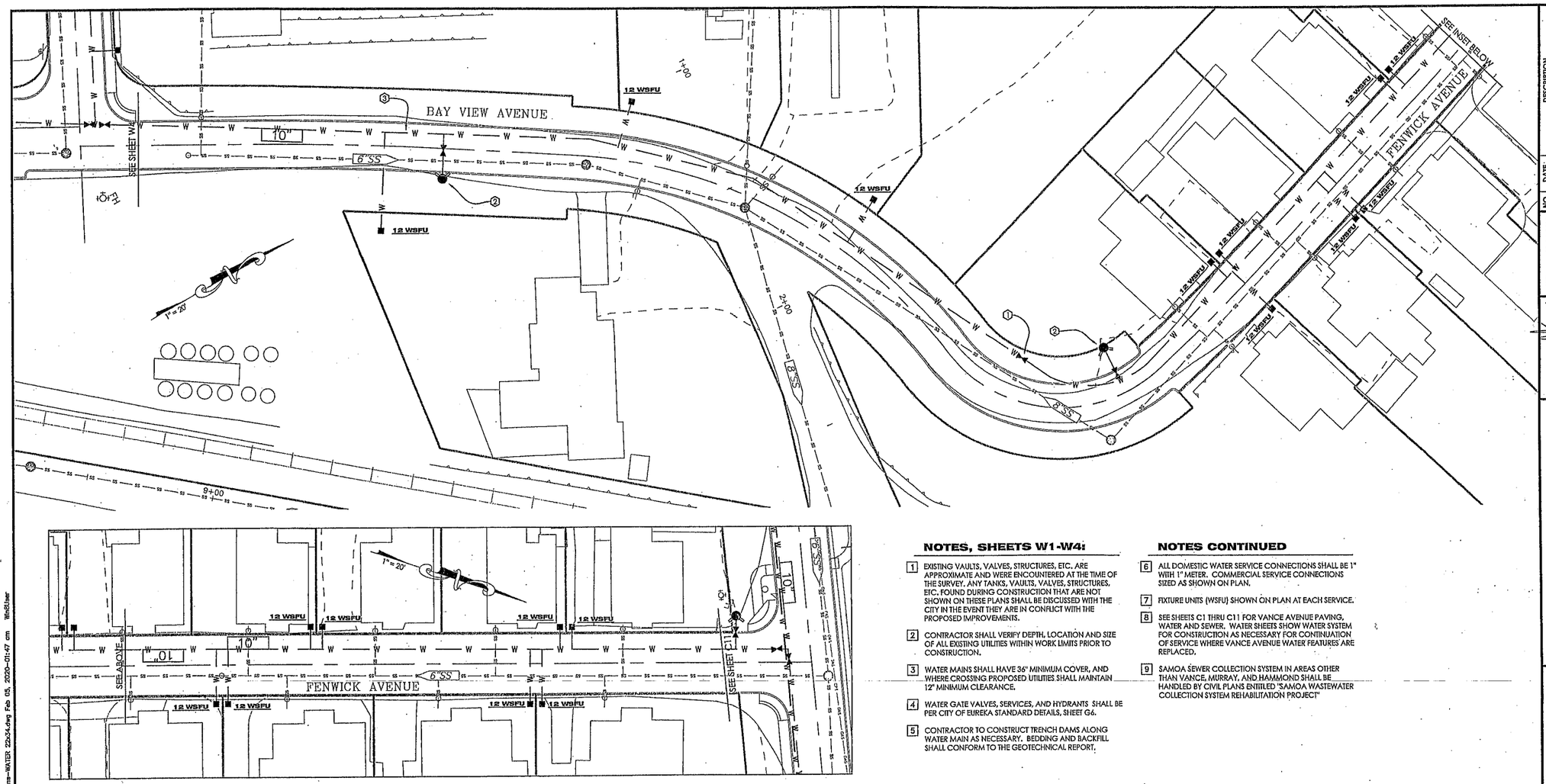

NOTES, SHEETS W1-W4:

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
4. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G6.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG WATER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.

NOTES CONTINUED

6. ALL DOMESTIC WATER SERVICE CONNECTIONS SHALL BE 1" WITH 1" METER. COMMERCIAL SERVICE CONNECTIONS SIZED AS SHOWN ON PLAN.
7. FIXTURE UNITS (WSFU) SHOWN ON PLAN AT EACH SERVICE.
8. SEE SHEETS C1 THRU C11 FOR VANCE AVENUE PAVING, WATER AND SEWER. WATER SHEETS SHOW WATER SYSTEM FOR CONSTRUCTION AS NECESSARY FOR CONTINUATION OF SERVICE WHERE VANCE AVENUE WATER FEATURES ARE REPLACED.
9. SAMOA SEWER COLLECTION SYSTEM IN AREAS OTHER THAN VANCE, MURRAY, AND HAMMOND SHALL BE HANDLED BY CIVIL PLANS ENTITLED "SAMOA WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECT"

WATER AND SEWER NOTES

1. 10" WATER GATE VALVE
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3. 865 LINEAL FEET 10" WATER MAIN

NO.	DATE	DESCRIPTION

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TOWN OF SAMOA

WATER PLAN - BAY VIEW, FENWICK AVE

VANCE AVE AND PHASE 1A IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET W5 OF 5

E:\Projects\12-201\Eng\ImpPlns\Vance Improvement\12-201 Improvement Plans-WATER 22x34.dwg Feb 05, 2020-01:47 pm WinEUser

TOWN OF SAMOA

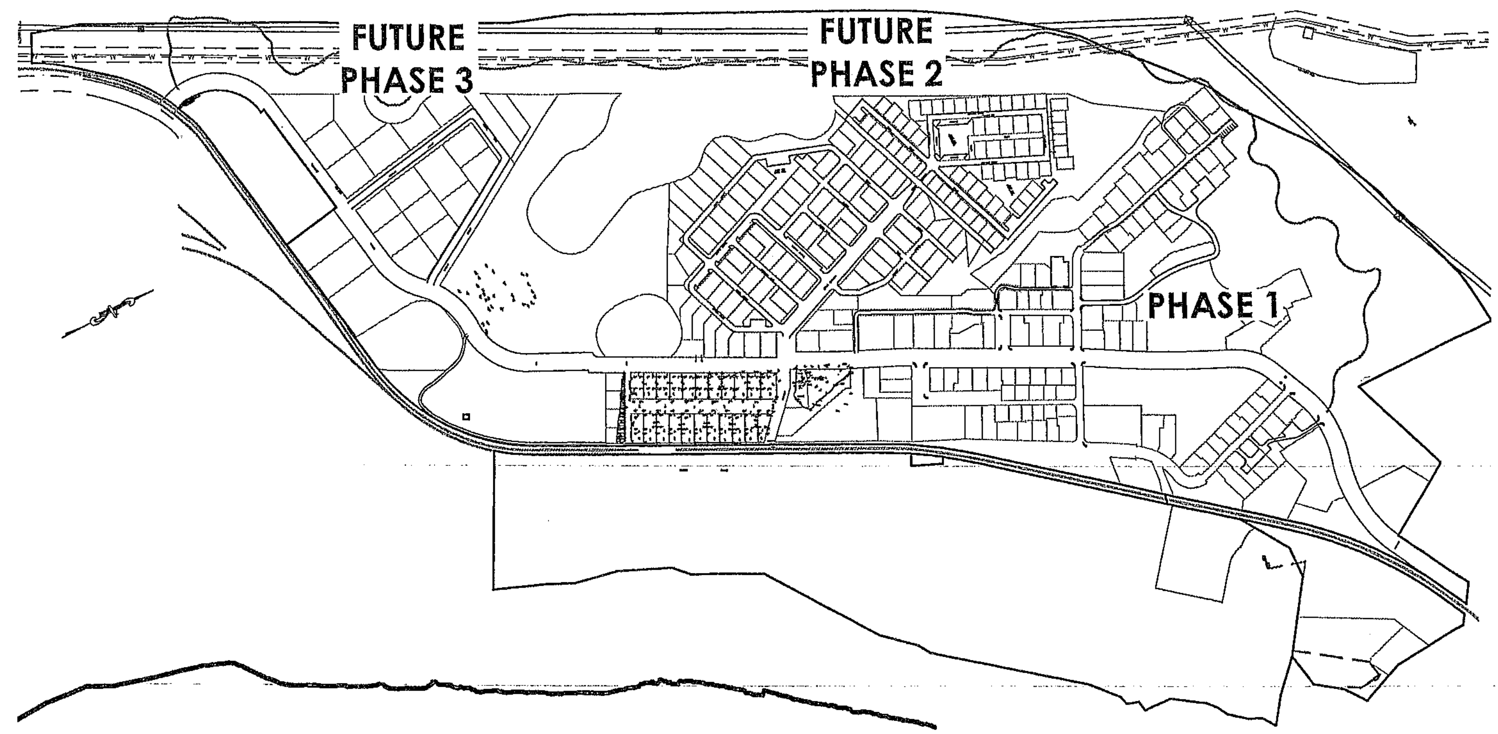
PHASE 1: WATER AND SEWER IMPROVEMENT PLANS- EXISTING TOWN

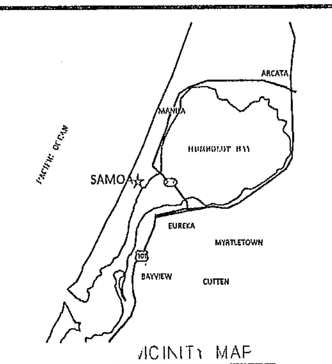
FOR USE IN CONJUNCTION WITH IMPROVEMENT PLANS FOR: VANCE AVENUE, SAMOA AFFORDABLE HOUSING, WATER STORAGE SYSTEM, AND WWTP REHABILITATION PROJECTS

TOWN OF SAMOA, HUMBOLDT COUNTY, CALIFORNIA

SUBMITTAL NO. 1

MAY 2021





VICINITY MAP
NOT TO SCALE

ABBREVIATIONS:

AC	-	ASPHALT CONCRETE	JT	-	JOINT TRENCH
AB	-	AGGREGATE BASE	LIP	-	LIP OF GUTTER
APPROX.	-	APPROXIMATELY	L.S.	-	LONG SWEEP
AVE.	-	AVENUE	MH	-	MANHOLE
BC	-	BEGIN CURVE	MON.	-	MONUMENT
B/O	-	BLOW OFF VALVE	MRK	-	MARKER
BLDG	-	BUILDING	OG	-	ORIGINAL GROUND
C&G	-	CURB AND GUTTER	P.	-	PROPOSED
CL	-	CENTER LINE	POC	-	POINT OF CURVATURE
C.O.T.G.	-	CLEAN OUT TO GRADE	PL	-	PROPERTY LINE
CR	-	CURB RETURN	PP	-	POWER POLE
CULV.	-	CULVERT	PT	-	POINT OF TANGENCY
DI	-	DRAIN INLET	PUE	-	PUBLIC UTILITY ESMT.
DTL.	-	DETAIL	R/W	-	RIGHT-OF-WAY
D\W	-	DRIVEWAY	SCH	-	SCHEDULE
EC	-	END CURVE	SD	-	STORM SEWER
EL	-	ELEVATION	SHT	-	SHEET
EP	-	EDGE OF PAVEMENT	SS	-	SANITARY SEWER
ESMT.	-	EASEMENT	ST.	-	STREET
EX.	-	EXISTING	STA.	-	STATION
EXP.	-	EXPIRES	STD.	-	STANDARD
F.E.S.	-	FLARED END SECTION	S/W	-	SIDEWALK
FDC	-	FIRE DEPT. CONNECTION	TBC	-	TOP BACK OF CURB
FH	-	FIRE HYDRANT	TBW	-	TOP BACK OF WALK
FL	-	FLOW LINE	TOE	-	TOE OF SLOPE
FM	-	SEWER FORCE MAIN	TOP	-	TOP OF SLOPE
FND.	-	FOUND	TP	-	TELEPHONE POLE
GB	-	GRADE BREAK	VERT.	-	VERTICAL
GND	-	GROUND	w/	-	WITH
HORIZ.	-	HORIZONTAL	W	-	WATER
HP	-	HIGH POINT	WMB	-	WATER METER BOX
INTX.	-	INTERSECTION	WV	-	WATER VALVE
INV.	-	INVERT			
I.P.	-	IRON PIPE			
JP	-	JOINT POLE			

LEGEND

DESCRIPTION	(E) EXISTING	(P) PROPOSED
STORM DRAIN	15"SD	12"SD
SANITARY SEWER	15"SS	10"SS
WATER MAIN	6"W	8"W
MANHOLE		
DRAIN INLET		
SANITARY CLEAN-OUT		
WATER SERVICE	Ws	
GATE VALVE		
HYDRANT	FH	
BLOW OFF VALVE	BO	
STREET LIGHT		
TRANSFORMER		
PULL BOX & PEDISTAL		
ELECTRIC VAULT	E	
POWER POLE		
GUY WIRE		
OVER-HEAD LINES	OH	OH
CURB, GUTTER & WALK		
RIGHT OF WAY		
PUBLIC UTILITY EASEMENT		
CENTER LINE		
BOUNDARY LINE		
FENCE		
JOINT TRENCH	JT	JT
WATER WELL		W
GAS VALVE	G	
GAS LINE	GAS	
EXISTING GRADE	857.56	

UTILITY REPRESENTATIVES

UTILITY	COMPANY	CONTACT	PHONE
SEWER	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
DRAINAGE	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
WATER	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
IRRIG. WATER	SAMOA PACIFIC GROUP LLC	CHUCK BARNHART	(707) 922-9000
FIRE	SAMOA PENINSULA FIRE DISTRICT	DALE UNEA	(707) 443-9042
CABLE TV	COMCAST	STAFF	
ELECTRICAL	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(800) 743-5000
GAS	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(800) 743-5000
PHONE	AT&T	STAFF	(707) 445-4069
USA	UNDERGROUND SERVICE ALERT	STAFF	(800) 227-2600

CEC GENERAL NOTES

1.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, AND TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION. THE CONTRACTOR SHALL OBTAIN A COPY OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS PRIOR TO CONSTRUCTION. IN THE ABSENCE OF A SPECIFICATION FOR AN ITEM IN THESE PLANS AND THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, ALL APPLICABLE FEDERAL AND STATE LAWS ARE TO BE ADHERED TO AND MEET CURRENT ENGINEERING AND CONSTRUCTION STANDARD PRACTICES TO THE SATISFACTION OF THE COUNTY ENGINEER.

2.) THE TYPES, LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATIONS WILL REVEAL SUCH INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY, INC. ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND ACCURACY OF THE LOCATION OF THE EXISTING UTILITIES ON THE PLANS, NOR FOR OTHER UTILITIES THAT MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT HE IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT THAT SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR DIRECTION.

3.) IN THE EVENT THERE IS A DISCREPANCY OR TYPOGRAPHICAL ERROR WITHIN THESE PLANS, OR REQUEST FOR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE ENGINEER SHALL BE ALLOWED A MINIMUM OF TWO WORKING DAYS TO ADDRESS THE ISSUE.

4.) ONLY SIGNED PLANS BY ALL PARTIES INVOLVED SHALL BE CONSIDERED APPROVED. THE CONTRACTOR SHALL NOT BEGIN WORK BEFORE THE PLANS HAVE BEEN APPROVED. THE CONTRACTOR SHALL HAVE ALL PERMITS AND APPROVED PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.

5.) THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT BEFORE DIGGING (800-227-2600) AT LEAST 72 HOURS BEFORE BEGINNING WORK.

6.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WORK WITH ALL SUBCONTRACTORS, UTILITY COMPANIES, AND THE COUNTY OF HUMBOLDT.

7.) THE CONTRACTOR SHALL CONTACT THE COUNTY OF HUMBOLDT PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE/PRIOR TO COMMENCEMENT OF WORK.

8.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

9.) ALL TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL REQUIRED TESTS SHALL BE COORDINATED AND APPROVED BY THE PROJECT ENGINEER AND COUNTY OF HUMBOLDT.

10.) ADDITIONAL NOTES AND DETAILS ARE LOCATED ON THE FOLLOWING SHEETS.

11.) OWNER, NOT THE ENGINEER, SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS ASSOCIATED WITH WORK SHOWN IN THESE PLANS, AND ASSUMES ALL LIABILITY ASSOCIATED THEREWITH.

12.) CONTRACTOR TO FIELD VERIFY ALL EXISTING ELEVATION AND INVERTS ON ALL EXISTING UTILITIES PRIOR TO INSTALL ANY PIPE.

BASIS OF BEARINGS:

THE BASIS OF BEARINGS OF THESE IMPROVEMENT PLANS IS A TIE FROM THE SOUTHWEST CORNER OF SECTION 16, T.5N.,R.1W., HUMBOLDT MERIDIAN TO A 1/2" IRON PIPE WITH PLASTIC PLUG LS 4829 ON THE SOUTH LINE OF SECTION 16. THE TIE BEING SOUTH 88°32'46" EAST, 1035.25 FEET AS SHOWN IN BOOK 60 OF SURVEYS, PAGES 122-124, HUMBOLDT COUNTY RECORDS

VERTICAL DATUM:

THE ELEVATION DATUM OF THIS PROJECT IS BASED ON USC&GS BENCHMARK Y1091, ELEVATION 36.75 FEET. THE BENCHMARK IS A BRASS CAP IN CONCRETE AT THE NORTHEAST CORNER OF A PG&E TRANSMISSION TOWER, WEST OF THE FORMER LOUISIANA-PACIFIC PULP MILL AND WEST OF VANCE AVENUE.

SHEET INDEX:

G1 COVER SHEET
G2 GENERAL NOTES
G3 CIVIL SHEET INDEX
G4 STANDARD DETAILS- SEWER
G5 STANDARD DETAILS- WATER
G6 STREET SECTIONS
G7 STREET SECTIONS
C1 RIDEOUT STREET STA: 1+00 TO 6+00
C2 RIDEOUT/SUNET STREET STA: 6+00 TO 11+50
C3 SUNSET AVE STA: 11+50 TO 15+25
C4 WATERLINE SOUTH OF NEW NAVY BASE ROAD
C5 SUNSET EXTN STA: 1+00 TO 6+50
C6 SUNSET EXTN STA: 6+50 TO 10+25
C7 SUNSET AVE DRIVEWAY STA: 1+00 TO 5+50
C8 BAY VIEW AVE STA: 1+00 TO 6+50
C9 BAY VIEW AVE STA: 6+50 TO 12+00
C10 BAY VIEW AVE STA: 12+00 TO 16+50
C11 FENWICK AVE STA: 16+50 TO 21+00
C12 CADMAN COURT STA: 1+00 TO 6+50
C13 CADMAN COURT STA: 6+50 TO 7+50, CUTTEN STREET STA: 1+50 TO 3+50, PARKING ALLEY STA: 1+00 TO 3+00
C14 PACIFIC COURT STA: 1+00 TO 3+50, MURPHY AVE STA: 1+00 TO 2+50
C15 MURPHY AVE STA: 2+50 TO 5+50, SAMOA COURT STA: 1+00 TO 3+50
C16 SAMOA COURT STA: 3+50 TO 9+00
C17 SAMOA COURT STA: 9+00 TO 1+00, BAY VIEW SPUR STA: 1+00 TO 3+50
C18 SEWER MAIN SOUTH OF RAILROAD STA: 1+50 TO 7+00
C19 SEWER MAIN SOUTH OF RAILROAD STA: 7+00 TO 12+00

SOMOA CSD

APPROVED BY:

[signature] 06/09/2021
TROY NICOLINI - PENINSULA COMMUNITY SERVICES DISTRICT DATE

COUNTY OF HUMBOLDT

APPROVED BY:

[signature] 06/10/2021
ROBERT W. BRONKALL, P.E.
DEPUTY DIRECTOR

CALIFORNIA ENGINEERING COMPANY, INC.

SUBMITTED BY:

[signature] 06-09-2021
DAVID L. SWARTZ, P.E. # C52840 P.L.S. # 8401 DATE
OFFICER IN CHARGE
P.E. EXP. 12/31/20 - P.L.S. EXP. 06/30/20

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=300'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER — DAVID LYNDOL SWARTZ — No. 52840 — CIVIL — STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC ESTD 1988
CIVIL ENGINEERING
LAND SURVEYING
FUNDING PROCUREMENT
CONSTRUCTION ADMINISTRATION
www.cecusa.net
1110 Civic Center Blvd. Suite 404 | Yuba City, CA 95993 | (530) 751-0952 Office

TOWN OF SAMOA

COVER SHEET

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G1 OF 24

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CEC GENERAL NOTES

1.) THE CONSTRUCTION CONTRACTOR SHALL AGREE, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CONSULTING ENGINEER, SAMOA PACIFIC GROUP, AND THE COUNTY OF HUMBOLDT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING DESIGN PROFESSIONAL, SAMOA PACIFIC GROUP, OR THE COUNTY OF HUMBOLDT.

2.) ALL CONSTRUCTION MATERIALS, METHODS AND WORKMANSHIP SHALL CONFORM TO THE COUNTY OF HUMBOLDT PUBLIC WORKS IMPROVEMENT STANDARDS, ADOPTED LATEST EDITION OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, AND CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS (RANK SHALL BE IN ABOVE LISTED ORDER WHERE DISCREPANCIES EXIST). ALL WORK IS SUBJECT TO THE APPROVAL OF COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. CERTIFICATION FOR CONFORMANCE WITH COUNTY SPECIFICATIONS WILL BE REQUIRED FOR ALL MATERIALS USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE COUNTY ENGINEER.

3.) THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER 72-HOURS PRIOR TO COMMENCING WORK AND 24-HOURS PRIOR TO RESUMPTION AFTER INTERRUPTION.

4.) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS FOR THE PROJECT, AND BE IN RECEIPT OF SUCH PERMITS AND APPROVED PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION.

5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODIES. FOR MORE INFORMATION, PLEASE CONTACT THE STATE INDUSTRIAL SAFETY DEPARTMENT (916-455-5818).

6.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO SEE THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE CURRENT COUNTY BUSINESS LICENSES. THE WORK WILL NOT BE ACCEPTED FOR COMPLETION UNTIL SUBMITTAL OF A COMPLETE LIST WITH LICENSE NUMBERS TO THE COUNTY ENGINEER.

7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE WORK AND SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY DAMAGE TO CITY OR PRIVATE IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO CURRENT STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS.

8.) THE CONTRACTOR IS TO EXPOSE THE ENDS OF WATER MAINS, SEWER AND DRAIN LINES AND EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO PLACEMENT OF PIPE.

9.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE CONSULTING ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR COUNTY ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10.) THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT ON HIS BEHALF, ON THE JOB SITE DURING ALL WORKING HOURS.

11.) THE COUNTY OF HUMBOLDT IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE CALL SYSTEM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 72-HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING 1-800-227-2600.

12.) THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A.

13.) CONTRACTOR SHALL SUBMIT TO THE PUBLIC WORKS DEPARTMENT INSPECTOR A COPY OF THE COMPANY ANNUAL CALOSHA TRENCHING PERMIT AND A COPY OF THE COMPANIES LETTER INFORMING CALOSHA OF THE TIME OF TRENCHING PRIOR TO EXCAVATION OF TRENCHES 5' OR DEEPER.

14.) ALL WORK SHALL BE IN ACCORDANCE WITH THE COUNTY'S NOISE ORDINANCE.

15.) IF ANY AMOUNT OF BONES, STONE OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 165 FEET OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED TO DEVELOP (IF NECESSARY) FURTHER MITIGATION MEASURES TO REDUCE ANY ARCHEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA.

16.) CONTRACTOR SHALL PROVIDE THE COUNTY ENGINEER WITH SUBMITTALS FOR ALL MATERIALS TO BE USED. THE SUBMITTALS SHALL BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORKS A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.

17.) CERTIFICATION FOR CONFORMANCE WITH THE COUNTY OF HUMBOLDT SPECIFICATIONS WILL BE REQUIRED OF ALL MATERIAL USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE ENGINEER.

18.) CONTRACTOR SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE.

19.) ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.

20.) A SOILS ENGINEER SHALL BE ENGAGED BY THE OWNER TO CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION COMPLY WITH THE SPECIFICATIONS AND THAT SPECIAL WORK REQUIRED HAS BEEN DONE SATISFACTORILY.

21.) THE CONTRACTOR SHALL USE A WATER TRUCK WHEN REQUIRED TO MAINTAIN ADEQUATE DUST CONTROL.

22.) INTERMEDIATE TRENCH BACK FILL SHALL BE IN MAXIMUM LIFTS OF 8" AND SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 90% OR AS DIRECTED BY THE SOILS ENGINEER. COMPACTION SHALL BE BY THE MECHANICAL MEANS.

23.) EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE PLANS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

24.) PRIOR TO THE BEGINNING OF EARTHWORK THE CONTRACTOR SHALL CLEAR ALL ROOTS, ORGANIC MATTER, DEBRIS, PAVING, CURB, AND VEGETATION DESIGNATED TO BE SAVED, FROM THE AREA WITHIN WHICH EXCAVATION AND GRADING ARE TO BE CONDUCTED OR STORAGE OF EXCAVATED MATERIALS OR FILL IS TO BE MADE. VEGETATION CLEARED FROM THESE AREAS SHALL BE DISPOSED OF BY THE CONTRACTOR, AND INCLUDED IN THE COST OF CLEARING AND GRUBBING.

25.) IN TRANSITION AREAS FROM ONE STREET WIDTH TO ANOTHER STREET WIDTH, THE HEAVIER STRUCTURAL SECTION SHALL BE USED.

26.) DIMENSIONS SHOWN ON PLANS ARE TO CENTERLINE OF PIPE, UNLESS OTHERWISE NOTED.

CEC GENERAL NOTES CONTINUED

28.) SEWER AND WATER AND SERVICES TO HAVE A MINIMUM 10 FEET HORIZONTAL SEPARATION.

29.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

30.) CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH. THE TYPES, LOCATIONS, SIZES AND DEPTH OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY, THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATIONS WILL REVEAL ACTUAL INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS, NOR ACCURACY, NOR FOR OTHER UTILITIES WHICH MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT THEY ARE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT CONFLICTS EXIST OR SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY AND ALLOW 2 WORKING DAYS FOR CHANGE TO BE MADE, COORDINATED AND APPROVED.

GRADING NOTES

1.) A SOILS ENGINEER SHALL CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION AND MATERIALS HAVE BEEN ACCOMPLISHED. GRADING SHALL CONFORM TO CHAPTER 70 UBC, LATEST EDITION, AND TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEERING REPORT, AND COUNTY REQUIREMENTS, WHICHEVER IS GREATER.

2.) ALL COMPACTION TESTING SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL AND COUNTY SPECIFICATIONS AND BE PAID FOR BY THE DEVELOPER (OR CONTRACTOR IN CASE OF RE-TESTING). THOSE TESTS WITHIN THE RIGHT-OF-WAY SHALL BE APPROVED BY THE COUNTY OF HUMBOLDT AND ALL TESTING OUTSIDE THE RIGHT-OF-WAY CERTIFIED BY THE SOILS ENGINEER FOR THE PROJECT. THE RESULTS OF SOIL COMPACTION TESTING SHALL BE SUBMITTED TO THE COUNTY BI-MONTHLY.

3.) ALL UNSUITABLE AND SURPLUS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED.

4.) SUFFICIENT EQUIPMENT SHALL BE AVAILABLE TO PROVIDE DUST CONTROL AT ALL TIMES DURING CONSTRUCTION. A WATER TRUCK SHALL BE USED, WHEN REQUIRED, TO MAINTAIN ADEQUATE DUST CONTROL. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF THE CONTRACT. THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT WATER METER PRIOR TO COMMENCEMENT OF WORK.

5.) ROUTES TO THE PROJECT SITE FOR HEAVY EQUIPMENT AND MATERIAL SHALL BE APPROVED BY THE COUNTY ENGINEER.

6.) EROSION CONTROL HYDROSEEDING SHALL BE APPLIED TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR IF PRACTICAL AFTER GRADING ALSO TO REDUCE DUST.

7.) WINTERIZATION NOTE "THE FOLLOWING ARE REQUIRED IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 15TH; EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER. NO SEDIMENT SHALL LEAVE THE PROJECT AREA. GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE OF IMPROVEMENTS. PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES PER SECTION SS60-05 (CAL-TRANS SPECS). SEAL OFF ALL SANITARY SEWER CONNECTION TO EXISTING SYSTEMS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES OR UNTIL IMPROVEMENTS ARE FINAL.

8.) ALL EROSION CONTROL SHALL BE PLACED AS SPECIFIED ON THESE PLANS OR AS SHOWN ON THE SWPPP.

9.) TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILED EARTH MATERIAL AND ON HAUL TRUCKS TO MINIMIZE DUST.

10.) THE COUNTY SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN OPINION OF COUNTY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.

11.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE.

13.) PRIOR TO INITIATING CLEARING AND GRUBBING ALL PROTECTIVE FENCING SHALL BE INSTALLED.

CONSTRUCTION STAKING

1.) THE SURVEYOR FOR THIS PROJECT SHALL PROVIDE ONE (1) SET OF CONSTRUCTION STAKES FOR LINE AND GRADE UNLESS OTHERWISE REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

2.) IN THE EVENT OF A DISAGREEMENT OR DESTROYED STAKE OR MONUMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SURVEYOR PRIOR TO ANY FURTHER CONSTRUCTION.

3.) THE CONTRACTOR SHALL GIVE THE SURVEYOR 72-HOURS NOTICE PRIOR TO EACH PHASE OF CONSTRUCTION OR IN THE EVENT OF NEEDED RE-STAKING. PRIOR TO REQUESTING ACCEPTANCE OF IMPROVEMENTS, THE SURVEYOR FOR THIS PROJECT SHALL SET SURVEY MONUMENTS AS SPECIFIED IN THE IMPROVEMENT STANDARDS.

4.) THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS.

5.) THE CONTRACTOR SHALL HAVE THE SITE STAKED PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS TO ENSURE PROPER ALIGNMENTS AND ELEVATIONS.

WATER FACILITIES NOTES

1.) ALL WATER FACILITIES INCLUDING BUT NOT LIMITED TO LINES, SERVICE BOXES, VALVES, AND ALL MISCELLANEOUS APPURTENANCES SHALL CONFORM TO THE CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS, AND HUMBOLDT BAY MUNICIPAL WATER DISTRICT STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION, REQUIREMENTS, AND DRAWINGS NECESSARY TO BID AND COMPLETE THE WORK SHOWN ON THESE PLANS AND INSTALLED PER MANUFACTURERS SPECIFICATIONS. PIPE ALTERNATIVES SHALL BE: POLYVINYL CHLORIDE PIPE - AWWA - C900 CLASS 150 DUCTILE - IRON PIPE - AWWA 151 CLASS 50.

2.) FIRE HYDRANTS SHALL BE APPROVED BY THE COUNTY ENGINEER AND SAMOA PENINSULA FIRE DISTRICT.

3.) ALL RUNS OF SEWER FORCE MAIN AND WATER MAIN PIPE SHALL HAVE NO.10 GAUGE, SOLID INSULATED SOFT-DRAWN COPPER WIRE TAPED ALONG THE TOP OF PIPE. THE WIRE SHALL BE STUBBED UP INSIDE EACH VALVE BOX AND DEAD END BLOWOFF ASSEMBLY AND BE INSTALLED AS PER STANDARD DRAWING ASSEMBLY W-5. ALL SPLICES SOLDERED AND SHRINK-WRAPPED OR TAPPED.

4.) AT UTILITY CROSSING MAINTAIN A MINIMUM 12" VERTICAL CLEARANCE BETWEEN WATER LINES AND ALL OTHER FACILITIES. ALL SEWER/WATER CROSSINGS, INCLUDING SERVICES, SHALL CONFORM TO STATE HEALTH DEPARTMENT REQUIREMENTS WITH 10' MINIMUM HORIZONTAL CLEARANCE.

5.) ALL VALVES SHALL BE FLANGED TO TEES AND/OR CROSSES. ALL MAINLINE VALVES 16-INCH AND LARGER SHALL BUTTERFLY VALVES WHERE VALVE NUT IS GREATER THAN 30-INCH BELOW FINISHED GRADE. A VALVE OPERATING EXTENSION SHALL BE REQUIRED.

6.) ALL WATER SERVICES SHALL BE PER CITY OF EUREKA STANDARD DETAILS AND SPECIFICATIONS.

7.) WATER METER BOXES AND COVERS SUBJECT TO TRAFFIC SHALL BE REINFORCED CONCRETE.

8.) SERVICE CONNECTION TO EXISTING WATER MAIN(S), OR TO AN EXTENSION OF AN EXISTING WATER MAIN(S), WILL BE MADE BY A QUALIFIED CONTRACTOR. THE CONTRACTOR SHALL NOTIFY COUNTY 72 HOURS IN ADVANCE, SCHEDULE AND PROCEED WITH THE SERVICE CONNECTION WITH MINIMUM INTERFERENCE TO EXISTING WATER AND FIRE SERVICES. AN INSPECTION BY THE COUNTY CONSTRUCTION INSPECTOR OF ALL CONNECTIONS MADE BY THE CONTRACTOR IS REQUIRED PRIOR TO BACKFILLING.

9.) PIPE JOINTS WILL NOT BE ALLOWED WITHIN SIX FEET (6') OF VALVE, FITTING OR HYDRANT.

10.) UNDER NO CIRCUMSTANCES SHALL PIPE OR JOINT DEFLECTION EXCEED MANUFACTURERS RECOMMENDATION. DEFLECTION OF PIPE WILL NOT BE ALLOWED WITHIN TEN FEET (10') OF ANY FITTING OR VALVE.

11.) STANDARD PIPE LENGTHS (MINIMUM EIGHTEEN (18) TO TWENTY (20) FEET, SHALL BE USED FOR ALL HORIZONTAL AND VERTICAL DEFLECTIONS. PIPE LENGTHS LESS THAN STANDARD LENGTH SHALL BE APPROVED BY THE COUNTY ENGINEER.

12.) IN THE EVENT THAT THIS PROJECT INDICATES THAT WATER MAINS WILL BE CONSTRUCTED WITHOUT THE PROTECTION OF AN OVERLAYING PAVEMENT, PLASTICIZED METALLIC LOCATING TAPE SHALL BE PLACED EIGHTEEN INCHES (18") ABOVE ALL SAID WATER MAINS.

13.) WATER SYSTEM CONTRACTOR SHALL COORDINATE WITH THE STREET LIGHTING CONTRACTOR TO AVOID CONFLICTS WITH WATER SERVICES AND STREET LIGHT FOUNDATIONS AND ELECTRICAL PULLBOXES.

14.) CONTRACTOR TO PROVIDE 72-HOUR NOTIFICATION TO THE COUNTY DEPARTMENT OF PUBLIC WORKS AND HBMWD PRIOR TO DISINFECTION.

15.) ALL WATER LINE FITTINGS 11-$\frac{1}{4}$ DEGREE OR GREATER, TEES, CROSSES, DEAD ENDS AND REDUCERS/INCREASERS SHALL BE PROVIDED WITH BOTH THRUST BLOCKS AND RESTRAINED JOINT PIPE LENGTHS

SANITARY SEWER NOTES

1.) ALL SANITARY SEWER CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE COUNTY OF HUMBOLDT PUBLIC FACILITIES IMPROVEMENT STANDARDS AND THE MANUFACTURERS SPECIFICATIONS.

2.) THE CONTRACTOR SHALL EXPOSE THE ENDS OF EXISTING SEWER LINES AND VERIFY, VIA POTHOLING, THE LOCATION AND ELEVATION PRIOR TO THE PLACEMENT OF PIPE. ALL COSTS FOR SUCH EXCAVATION AND BACK FILL SHALL BE INCLUDED IN BID PRICE.

3.) ALL SERVICE SEWERS ENTERING A MANHOLE WILL BE SET NOT LOWER THAN FLOWLINE-TO-CROWN WITH EXISTING PIPE UNLESS OTHERWISE SHOWN.

4.) ALL SEWER MANHOLES NOT IN PAVED AREAS SHALL HAVE RIMS SET 6" ABOVE EXISTING GROUND, OR GRADES AS NOTED, AND INSTALLED WITH LOCK-DOWN COVERS, PINKERTON A-640 OR EQUAL.

5.)THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SEWER FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND APPROVED.

6.) IN THE EVENT THAT THE EXISTING SEWER MAIN FAILS AT THE PLANNED CONNECTION, CONTRACTOR SHALL REPLACE SEWER MAIN TO A PROPER CONNECTION POINT AT THE ADDITIONAL PRICE AGREED UPON IN THE CONTRACT FOR THIS WORK.

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: NONE
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOL SWART No. 52840 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA
GENERAL NOTES
PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201
SHEET G2 OF 24

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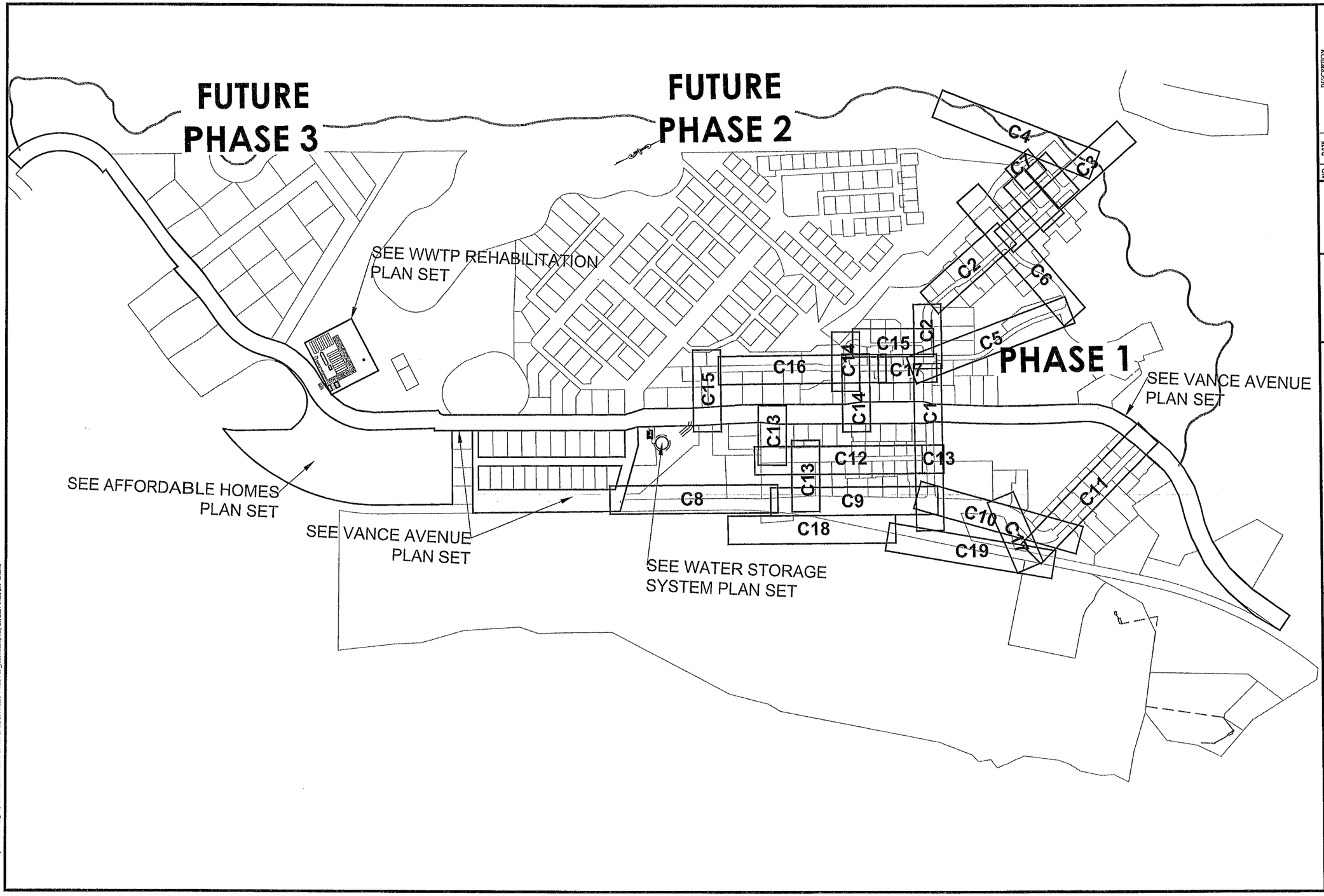

NO.	DATE	DESCRIPTION

DATE: 5/24/2021
SCALE: NONE
DRAWN BY: MBH
DESIGNED BY: DDI
CHECKED BY: DLS

LICENSED LAND SURVEYOR
MARK CHIDESTER
No. 8101
STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
ESTD 1938
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TOWN OF SAMOA

SHEET INDEX

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER
12-201

SHEET G3 OF 26

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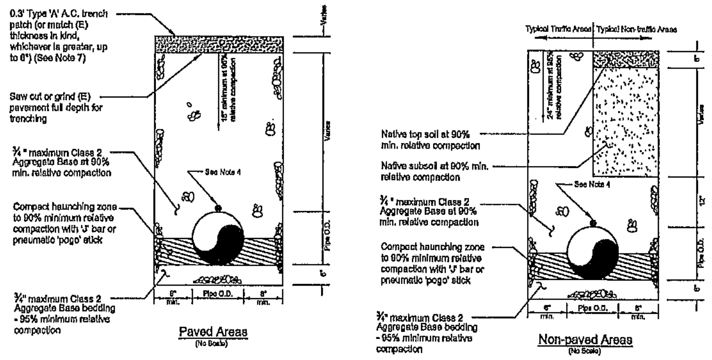


1.) COMPACTION TESTS SHALL BE ORDERED AND PAID FOR BY THE CONTRACTOR IN EACH LAYER, TYPE, OR CLASS OF BACKFILL THAT REQUIRES COMPACTION AND AT AN INTERVAL OF EVERY 50 FEET. COPIES OF FIELD TEST REPORTS SHALL BE SUBMITTED TO THE COUNTY PRIOR TO FINAL PAVING. TESTS SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE ENGINEER.

2.) THE CONTRACTOR SHALL ADEQUATELY SHORE HIS EXCAVATION TO PREVENT THE TRENCH WALLS FROM SLOUGHING INTO THE TRENCH. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR EXTRA BACKFILL THAT MAY BE REQUIRED DUE TO SLOUGHING TRENCH WALLS.

3.) BEDDING MATERIAL UNDER COUPLING BELLS SHALL BE HAND EXCAVATED SO THAT THERE IS A MINIMUM CLEARANCE OF 1" UNDER THE BELL.

4.) #10 INSULATED COPPER TRACE WIRE (TAPED IN PLACE) SHALL BE COLOR CODED AS FOLLOWS: WATER MAINS & SERVICES - BLUE INSULATION, SEWER MAINS & LATERALS - GREEN INSULATION, STORM DRAIN MAINS - GREEN INSULATION.

5.) ALL WATER MAIN FITTINGS SHALL HAVE ALL EXPOSED NUTS AND BOLTS COMPLETELY COVERED WITH SPRAY-ON RUBBERIZED UNDERCOATING, AND ALL FITTINGS SHALL BE WRAPPED WITH 6 MIL POLYETHYLENE PLASTIC PRIOR TO TRENCH BACKFILL.

6.) BACKFILL MATERIAL SHALL BE COMPACTED IN 12" LIFTS. TRENCH BACKFILL IN ERODED OVERLAND AREAS SHALL MATCH EXISTING GRADE.

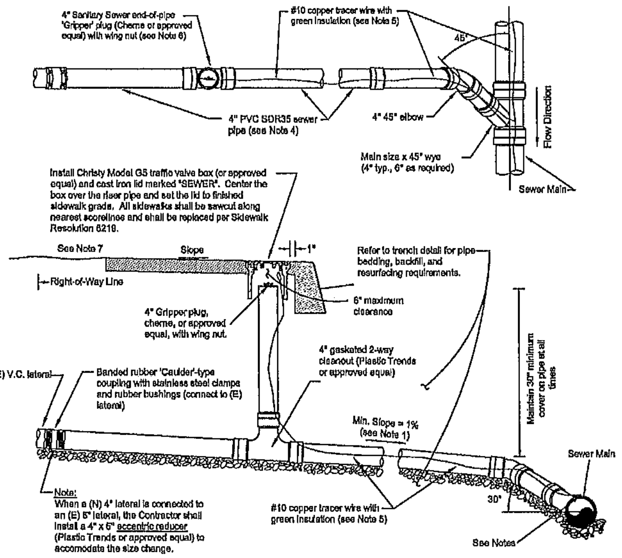
7.) COMPLETED SURFACING SHALL BE THOROUGHLY COMPACTED AND SHALL BE FREE OF RUTS, BUMPS, DEPRESSIONS AND IRREGULARITIES. IF EXISTING STREET IS SHOWING CONCRETE, NEW PAVEMENT SHALL BE 6" THICK AND CONSIST OF 3000 PSI, 6-SACK CONCRETE, DOWELED AND EPOXIED INTO EXISTING CONCRETE PAVEMENT, BRUSHED (AND COLORED BLACK) TO MATCH. DOWELS SHALL BE #4 REBAR AT 24" O.C. WITH 6"-12" EMBEDMENT TO EXISTING AND NEW CONCRETE.

8.) FOR NON-TRAFFIC AREAS, THE CONTRACTOR SHALL PLACE AND INCORPORATE STRAW AND SEED INTO THE TOPSOIL TO PREVENT EROSION. THE SEED MIX SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO APPLICATION.

9.) FOR PAVED AREAS, IN ANY LOCATION WHERE REMAINING PAVEMENT WIDTH IS LESS THAN 2" BETWEEN EDGE OF TRENCH AND EDGE OF PAVEMENT, THE CONTRACTOR SHALL REMOVE AND REPLACE PAVEMENT TO EDGE OF ROAD.

10.) TRENCH BACKFILL FOR SERVICE LATERALS AND PIPES 2" AND SMALLER IN DIAMETER MAY CONSIST OF SAND IN THE PIPE ZONE TO 6" ABOVE THE PIPE, FOLLOWED WITH COMPACTED CLASS 2 AGGREGATE BASE AS SHOWN.

TRENCH TYPICAL DETAILS



1.) MINIMUM PIPE SLOPES SHALL BE 1% (⅛" PER FOOT) UNLESS OTHERWISE APPROVED BY THE ENGINEER.

2.) FACTORY MANUFACTURED FITTINGS SHALL BE USED EXCLUSIVELY.

3.) SEWER SADDLES SHALL ONLY BE USED AFTER APPROVAL BY THE ENGINEER.

4.) ALL FITTINGS AND LATERAL PIPING SHALL BE 4" (MIN) PVC SDR-35 SEWER PIPE.

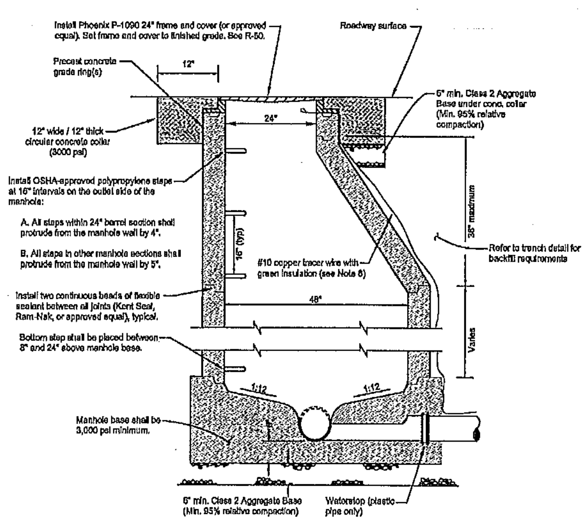
5.) ALL LATERALS SHALL BE INSTALLED WITH A #10 COPPER TRACER WIRE WITH GREEN INSULATION TAPED TO THE SANITARY SEWER PIPE. LATERAL TRACER WIRE SHALL BE SECURELY CONNECTED TO AND ELECTRICALLY CONTINUOUS WITH THE SEWER MAIN TRACER WIRE AT ONE END WITH WATERPROOF CORROSION RESISTANT CONNECTOR, AND SHALL TERMINATE IN A LOOP JUST BELOW THE LID IN THE CLEANOUT BOX AT THE OTHER END.

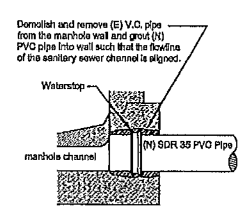
6.) PVC RISER SHALL NOT END IN A BELL FLANGE OR "CAULDER"-TYPE COUPLING. RISER SHALL TERMINATE AT THE REQUIRED CLEARANCE WITH A LEVEL CUT.

7.) ALL AREAS BEHIND THE SIDEWALK THAT ARE DISTURBED BY THE INSTALLATION OF SEWER LATERALS SHALL BE RESTORED TO A CONDITION THAT IS AS GOOD IN THE OPINION OF THE ENGINEER, AS WHEN THE CONTRACTOR BEGAN CONSTRUCTION, WHICH MAY INCLUDE THE INSTALLATION OF TOPSOIL, GRASS SEED, AC PAVEMENT, OR OTHER MATERIALS.

8.) LATERALS AND CLEANOUTS SHALL BE PLACED AS SHOWN PER PLAN AND SPACED 10' FROM WATER SERVICE.

SANITARY SEWER LATERAL DETAIL





WATERSTOP DETAIL
NTS

1.) WHERE (E) PIPES AND FITTINGS ARE PRESENT, THEY SHALL BE SAWCUT ALONG THE SPRINGLINE TO FORM THE FLOW CHANNEL WITHIN THE MANHOLE. MANHOLE BASE SECTIONS SHALL BE FILLED WITH CONCRETE TO A LEVEL EQUAL TO THE SPRINGLINE OF THE EXPOSED PIPES, AND SHALL BE FORMED AT THE SLOPE SHOWN TO DRAIN INTO THE FLOW CHANNEL TOWARD THE OUTLET PIPES.

2.) WHERE (E) PIPES AND FITTINGS ARE NOT PRESENT WITHIN THE MANHOLE, THE FLOW CHANNEL SHALL BE HAND-FORMED AT THE SLOPE SHOWN TO THE DRAIN INTO THE FLOW CHANNEL TOWARD THE OUTLET PIPE. MANHOLE BASE SECTIONS SHALL BE FILLED WITH CONCRETE TO THE APPROXIMATE LEVEL OF THE TOP OF THE PIPE.

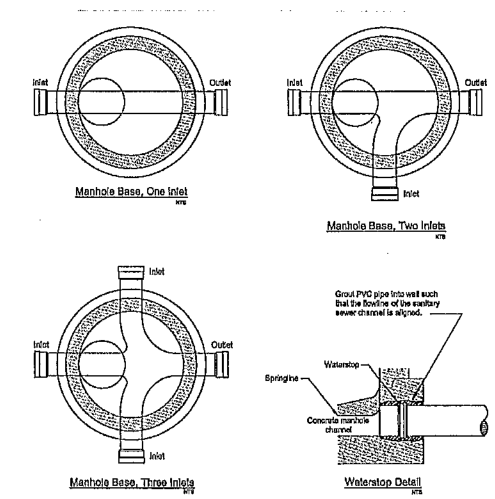
3.) WATERSTOPS SHALL BE INSTALLED AS SHOWN IN THIS DETAIL.

4.) ALL JOINTS SHALL BE SEALED WITH CLASS B MORTAR ON BOTH THE INNER AND OUTER FACES OF EACH JOINT.

5.) MANHOLES SHALL BE CONSTRUCTED WITH A 0.10' ELEVATION DROP (OR AS SHOWN ON THE PLANS) BETWEEN THE INLET AND OUTLET PIPES, IF POSSIBLE.

6.) #10 COPPER TRACER WIRE WITH GREEN INSULATION SHALL BE INSTALLED AT ALL NEW AND EXISTING MANHOLE LOCATIONS. TRACER WIRE SHALL EITHER BE CONTINUOUS ALONG (N) SANITARY PIPE AND UP TO THE MANHOLE FRAME OR SHALL BE SECURELY CONNECTED TO THE (E) TRACER WIRE WHERE PIPE REPLACEMENT IS NOT PERFORMED. NOTE THAT TRACER WIRE IS NOT REQUIRED ON MANHOLES WHEN THE (E) SEWER MAIN HAS NO TRACER WIRE.

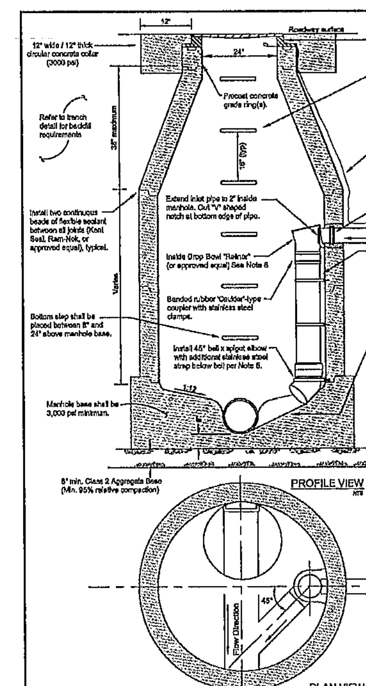
SANITARY SEWER MANHOLE DETAILS



NOTES:

1. Where existing pipes and fittings are present, they shall be sawcut along the springline to form the flow channel within the manhole. Manhole base sections shall be filled with concrete to a level equal to the springline of the exposed pipes, and shall be formed to drain into the flow channel toward the outlet pipe.
2. Where existing pipes and fittings are not present within the manhole, the flow channel shall be hand-formed to drain into the flow channel toward the outlet pipe. Manhole base sections shall be filled with concrete to the approximate level of the top of the pipe.
3. Manhole base sections shall be filled with concrete to the approximate level of the top of the pipe. Water stops shall be installed per detail as shown.

REVISION	BY	APPROVED	DATE	CITY OF EUREKA Engineering Department CITY OF EUREKA STANDARD DRAWING Sanitary Sewer Manhole Base Channels	Approved: Kurt E. Gierlich, RCE #45721, City Engineer Date: 09/12/08	Detail No.: S-41



NOTES:

1. Drop manhole is mandatory when differential between inverts is greater than 24 inches.
2. Only one inside drop connection allowed per 48 inch diameter manhole. Use larger manhole for multiple drop connections.
3. Position manhole cone section to maximize the horizontal clear distance for maintenance personnel.
4. All holes for pipe and bolts shall be either drilled or sawcut.
5. Secure drop pipe to the wall with adjustable brackets of 1 1/2" minimum width, 11 gauge type 304 stainless steel. Pinch bolts and nuts shall be 3/8" diameter, 18-8 stainless, spaced 3' O.C. with a 2 strap minimum.
6. All inside drop pipe and fittings shall be SDR35 PVC.
7. Manholes shall be constructed with a 0.10' elevation drop (or as shown on the Plans) between the sewer main inlet and outlet, if possible.
8. Inside drop bowl shall be sized according to inlet pipe diameter as follows:

Inlet pipe	Drop bowl
6"	Reliner A6
8"	Reliner B8
10"	Reliner B10
12" & greater	By Special design

9. For force mains use "Reliner" force line hood on drop bowl.

REVISION	BY	APPROVED	DATE	CITY OF EUREKA Engineering Department CITY OF EUREKA STANDARD DRAWING Sanitary Sewer Inside Drop Manhole 48" to 72" Diameter	Approved: Kurt E. Gierlich, RCE #45721, City Engineer Date: 09/12/08	Detail No.: S-42

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: NONE
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER — DAVID LYNDOL SWARTZ — No. 62840 — CIVIL — STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA

STANDARD DETAILS- SEWER

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G4 OF 24

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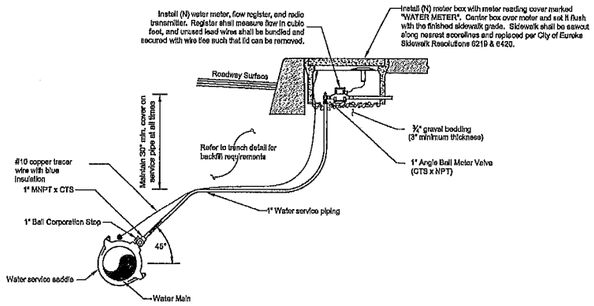


1.) ALL WATER SERVICE MATERIALS SHALL BE AS LISTED ON THE MATERIALS LIST (OR APPROVED EQUAL).

2.) FACTORY MANUFACTURED FITTINGS SHALL BE USED EXCLUSIVELY.

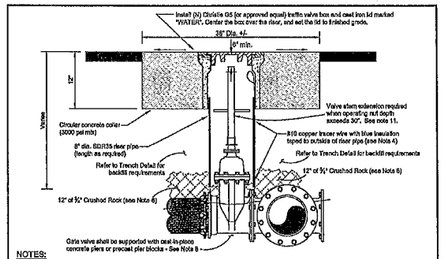
3.) #10 COPPER TRACER WIRE WITH BLUE INSTALLATION SHALL BE TAPED TO ALL WATER MAINS, SERVICES, AND FITTINGS. TRACER WIRE SHALL BE SECURELY CONNECTED TO THE WATER MAIN TRACER WIRE AT ONE END, AEND SHALL TERMINATE IN A LOOP JUST BELOW THE LID IN THE METER BOX AT THE OTHER END.

4.) ALL WATER SERVICE SADDLES SHALL HAVE ALL EXPOSED NUTS AND BOLTS COMPLETELY COVERED WITH SPRAY-ON RUBBERIZED UNDERCOATING.

5.) CONNECTIONS BETWEEN FITTINGS AND WATER SERVICE PIPING SHALL BE MADE WITH PACK JOINTS, AND STAINLESS STEEL INSERT STIFFENERS SHALL BE USED AS NEEDED WHEN CONNECTING WATER SERVICE PIPING TO PACK JOINTS.

6.) WATER SERVICE SHALL BE PLACED AS SHOWN PER PLAN AND SPACED 10' FORM SEWER SERVICE.

WATER SERVICE INSTALLATION 3/4" & 1"



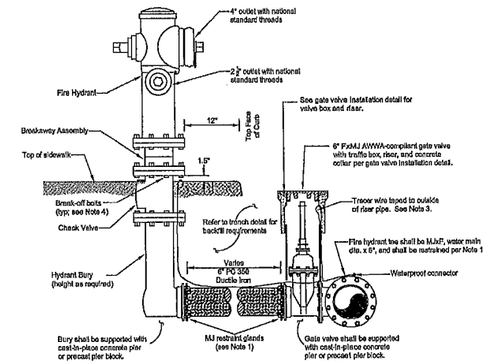
NOTES:

1. All water service materials shall be as listed on the City of Eureka Approved Materials List (or approved equal).
2. Factory manufactured fittings shall be used exclusively.
3. All water main fittings shall have all exposed nuts and bolts completely covered with spray-on rubberized undercoating, and all fittings shall be wrapped with 8 mil polyethylene plastic prior to trench backfill.
4. #10 copper tracer wire with blue insulation shall be taped to all water mains and fittings. Tracer wire running up to a valve box or other mid-line access point shall be securely connected to the water main tracer wire at one end with a water proof, corrosion proof connection, and shall terminate in a loop just below the lid in the traffic box at the other end.
5. All main line gate valves shall be mechanically restrained. Thrust blocks shall only be installed when specifically approved by the Engineer.
6. Contractor shall place a 12" layer of 3/4" crushed rock (3/4" sieve size, 90-100 percent passing) over wet concrete thrust block and around valve assembly before compacting 12" lifts of base material per Trench Detail. Rounded rock material that shows little evidence of the crushing process is not acceptable and will be rejected.
7. Division gate valve box lids shall have a 3" diameter circle of weld bead placed on them, with the center of the circle being on the center of the valve box lid. This weld shall not exceed 1/4" in width or height.
8. The new traffic box shall not come into contact with the riser pipe.
9. New gate valve assemblies shall be supported during installation either by resting the assembly on cast-in-place concrete piers or a precast pier block. Other support methods used during installation, such as bridging beams or boom cranes, are subject to approval by the Engineer.
10. All valves connecting to fittings shall be flanged to the fitting.
11. Valve stem extension, when required, shall be hot dip galvanized or stainless steel as manufactured by Mueller, Kennedy, or approved equal for use with approved valve box. Stem diameters shall be 1 1/4"; stem guides shall be spaced such that slenderness ratio of stem body does not exceed 200.

REVISION	BY	APPROVED	DATE

CITY OF EUREKA
Engineering Department
CITY OF EUREKA STANDARD DRAWING
Gate Valve Installation

Approved: Kurt E. Gierlich, RCE #46721, City Engineer
Date: 6/27/12
Drawing No.: W-20



1.) ALL RESTRAINED JOINT GLANDS SHALL CONFORM TO RESTRAINED JOINT PIPE INSTALLATION DETAILS.

2.) THE CONTRACTOR SHALL PLACE AND SECURE A YELLOW BAG OVER THE HYDRANT IMMEDIATELY UPON EITHER INSTALLATION OR REMOVAL FROM SERVICE. THIS BAG SHALL BE REMOVED AND REPLACED WITH A BLUE BAG ONCE THE HYDRANT IS READY FOR USE. THE CITY SHALL SUPPLY ALL BAGS FOR THE CONTRACTOR'S USE.

3.) #10 COPPER TRACER WIRE WITH BLUE INSULATION SHALL BE TAPED TO ALL WATER MAINS, FITTINGS, AND SERVICES. SERVICE TRACER WIRE SHALL BE SECURELY CONNECTED TO THE WATER MAIN TRACER WIRE AT ONE END WITH WATERPROOF, CORROSION RESISTANT CONNECTOR, SHALL BE LOOPED JUST BELOW THE LID OF THE TRAFFIC BOX, AND SHALL TERMINATE AT THE BREAKOFF FLANGE.

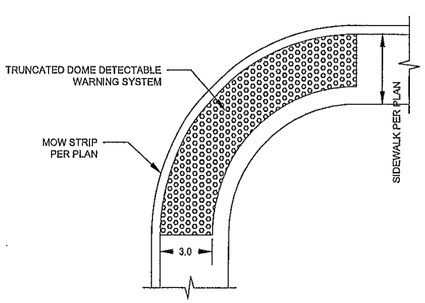
4.) THE HYDRANT BURY SHALL BE SHIMMED IN SUCH A WAY THAT THE WEEKEND BREAKAWAY JOINT ON THE BREAKAWAY ASSEMBLY IS 1.5" ABOVE THE SURFACE OF THE RECONSTRUCTED SIDEWALK. IN ADDITION, BREAK-OFF BOLTS SHALL BE USED ON THE BOTTOM FLANGE OF THE BREAKAWAY ASSEMBLY AS NOTED.

5.) WHERE NO SIDEWALKS EXISTS, A 4" THICK, 4' x 4' CONCRETE PAD SHALL BE INSTALLED.

6.) BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED ONE FOOT INSIDE THE STREET CENTERLINE OF THE FACING STREET. IF HYDRANT LIES WITHIN 20' FEET OF THE CORNER, AN ADDITIONAL MARKER SHALL BE PLACED IN THE STREET PERPENDICULAR TO THE HYDRANT ONE FOOT INSIDE THAT STREET CENTERLINE.

7.) HYDRANT SHALL BE CLOW MODEL 75 OR 76, AS DETERMINED BY TE ENGINEER.

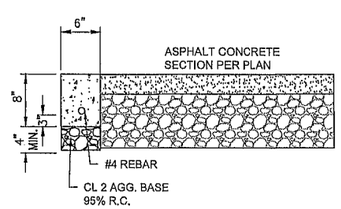
FIRE HYDRANT INSTALLATION



NOTES:

1. TRUNCATED DOME PARAMETERS SUCH AS SIZE, SPACING, COLOR, AND CONTRAST SHALL BE PER PROVISION 118-705 OF THE CALIFORNIA BUILDING CODE.
2. TRUNCATED DOME EDGE SHALL BE LOCATED SO THE EDGE NEAREST THE TRANSITION BETWEEN THE MOW STRIP AND STREET IS 6" MIN AND 8" MAX.

DETECTABLE WARNINGS AT CURB RETURN



6" MOW STRIP DETAIL

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: NONE
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
DAVID L. HIDDO
No. 72849
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TOWN OF SAMOA

STANDARD DETAILS- WATER

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G5 OF 24

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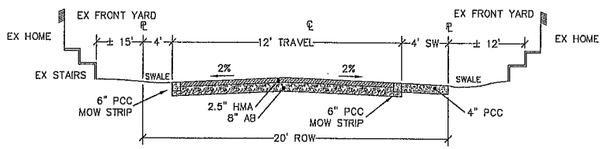
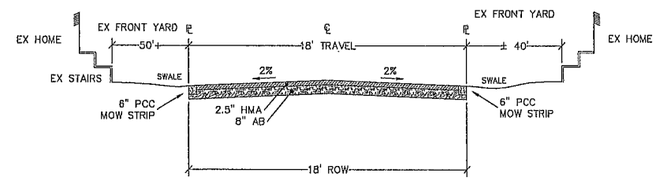
Y:\CEC Jobs\Projects\12-201\Eng\Imp\Pros\Phase 1- Water & Sewer P&P\12-201 Phase 1 WAS P&P.dwg Jun 09, 2021-04:15 pm kstack

NOTES

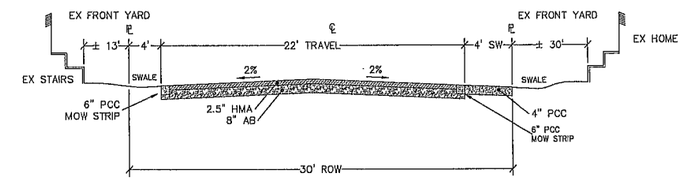
1. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.
2. ALL AC SHALL BE CALTRANS TYPE-A ½" HMA.
3. ALL AB SHALL BE CALTRANS CLASS II.
4. ALL ROADS SHALL BE RECONSTRUCTED TO THE TYPICAL SECTIONS SHOWN HEREON. MAINTAIN EXISTING GRADES.



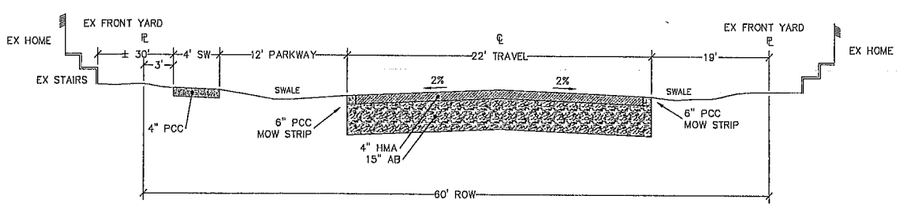
(A) SUNSET AVENUE



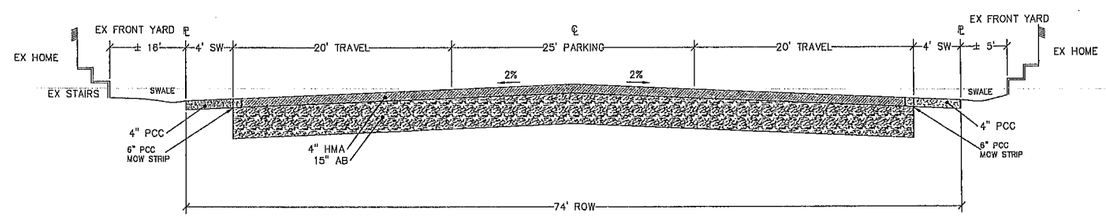
(B) FENWICK AVENUE (SOUTH END)
BAY VIEW AVENUE



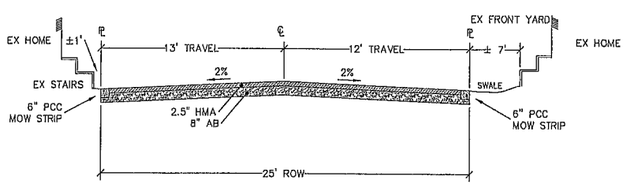
(C) RIDEOUT AVENUE



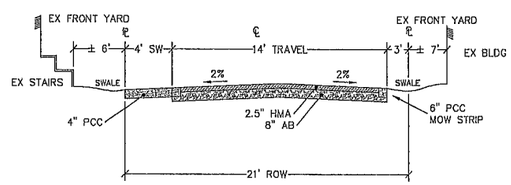
(D) VANCE AVENUE (NORTH OF RIDEOUT)



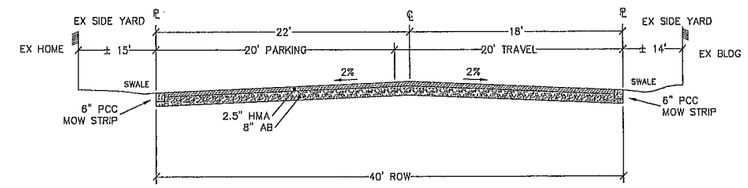
(E) VANCE AVENUE (SOUTH OF RIDEOUT)



(F) FENWICK AVENUE (NORTH END)



(G) SAMOA COURT



(H) PACIFIC COURT

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: NONE
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS LYNDON JOSEPH
No. 72840
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CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA

STANDARD ROAD SECTIONS

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

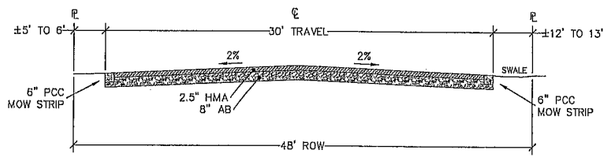
PROJECT NUMBER 12-201

SHEET G6 OF 24

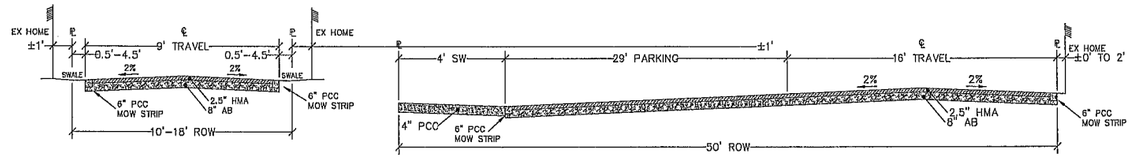
Y:\CEC Jobs\Projects\12-201\Engfrnp\Plot\Phase 1 - Water & Sewer PA\P12-201 Phase 1 WS\S PAP.dwg Jun 08, 2021-04:15 pm kdalk

NOTES

1. FOR SIDEWALK LESS THAN 5' WIDE, PROVIDE 5'x5' SIDEWALK SPACED 200' MAX. CONSTRUCT SIDEWALK TO SAME ELEVATION AS EXISTING SIDEWALK.
2. ALL AC SHALL BE CALTRANS TYPE-A ½" HMA.
3. ALL AB SHALL BE CALTRANS CLASS II.
4. ALL ROADS SHALL BE RECONSTRUCTED TO THE TYPICAL SECTIONS SHOWN HEREON. MAINTAIN EXISTING GRADES.

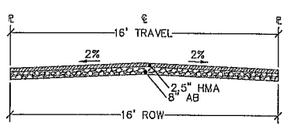


(I) BAY VIEW AVENUE (200' SOUTH OF RIDEOUT)

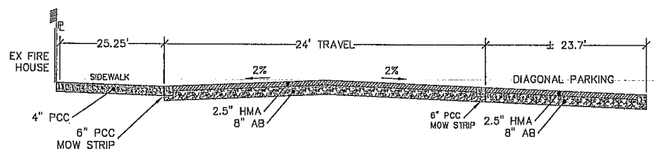


(L) MURPHY AVENUE

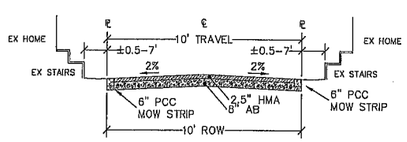
(O) CADMAN COURT



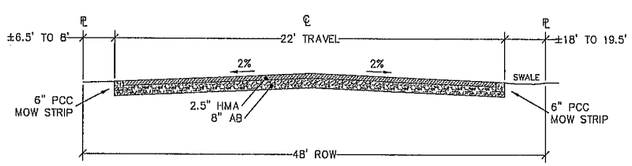
(J) SUNSET EXTENSION



(M) CUTTEN STREET



(K) SUNSET LOOP



(N) BAY VIEW AVENUE (FROM CUTTEN GOING NORTH)

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: NONE
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
DONALD LYNDON KEITH
No. 72840
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CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA

STANDARD ROAD SECTIONS

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET G7 OF 24

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NOTES

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

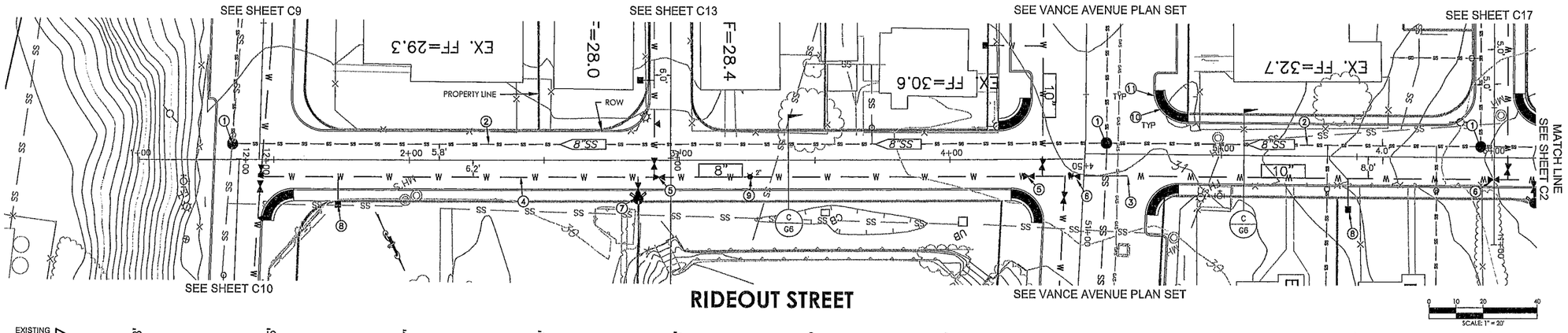
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

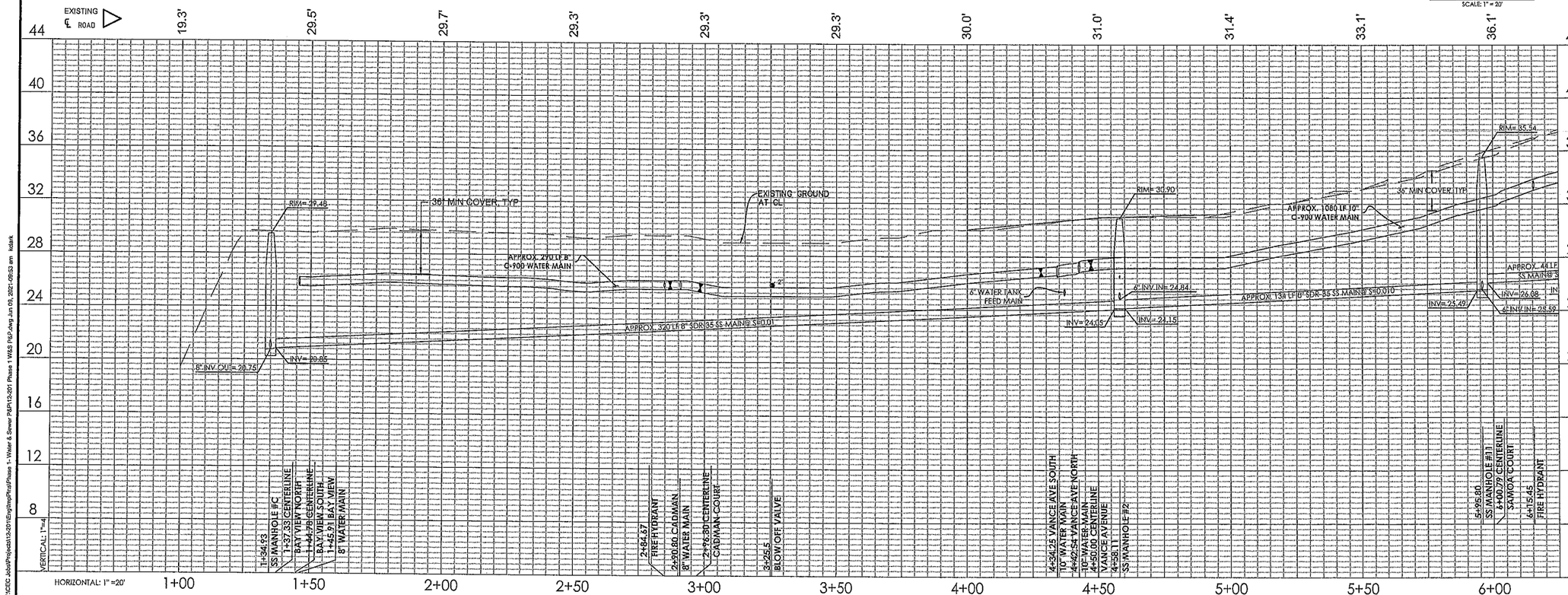
NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 460 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
3. 165 LINEAL FEET 10" WATER MAIN
4. 290 LINEAL FEET 8" WATER MAIN
5. 8" WATER GATE VALVE
6. 10" WATER GATE VALVE
7. FIRE HYDRANT
8. 3/4" WATER SERVICE
9. BLOW OFF
10. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
11. 6" MOW STRIP PER DETAIL ON SHEET G5.





NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID J. LYNDOL SMITH No. 72640 CIVIL STATE OF CALIFORNIA

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1110 Civic Center Blvd. Suite 404 | Yuba City, CA 95993 | (530) 751-0952 Office.

TOWN OF SAMOA

RIDEOUT STREET STA 1+00 TO 6+00

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C1 OF 24

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NOTES

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

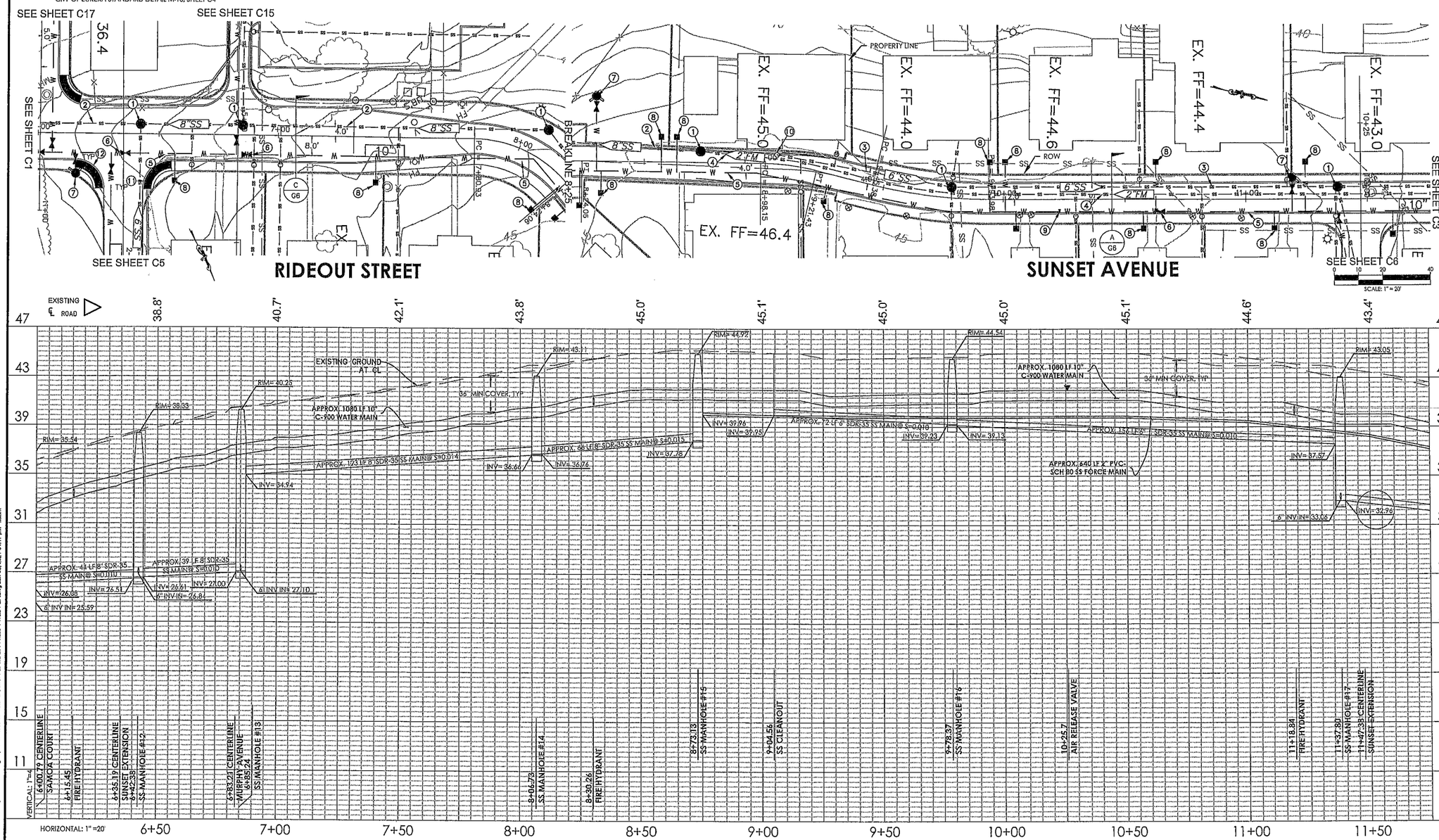
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 273 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
3. 241 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
4. 275 LINEAL FEET 2" SANITARY SEWER FORCE MAIN
5. 550 LINEAL FEET 10" WATER MAIN
6. 10" WATER GATE VALVE
7. FIRE HYDRANT
8. 3/4" WATER SERVICE
9. AIR RELEASE VALVE
10. SANITARY SEWER CLEANOUT
11. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
12. 6" MOW STRIP PER DETAIL ON SHEET G5.



NO.	DATE	DESCRIPTION

DATE: 7/19/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID J. LYNDOE No. 58040 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
CIVIL ENGINEERING
LAND SURVEYING
FUNDING/PROJECT MANAGEMENT
CONSTRUCTION ADMINISTRATION
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TOWN OF SAMOA

RIDEOUT/SUNSET STA 6+00 TO 11+50

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C2 OF 24

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NOTES

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

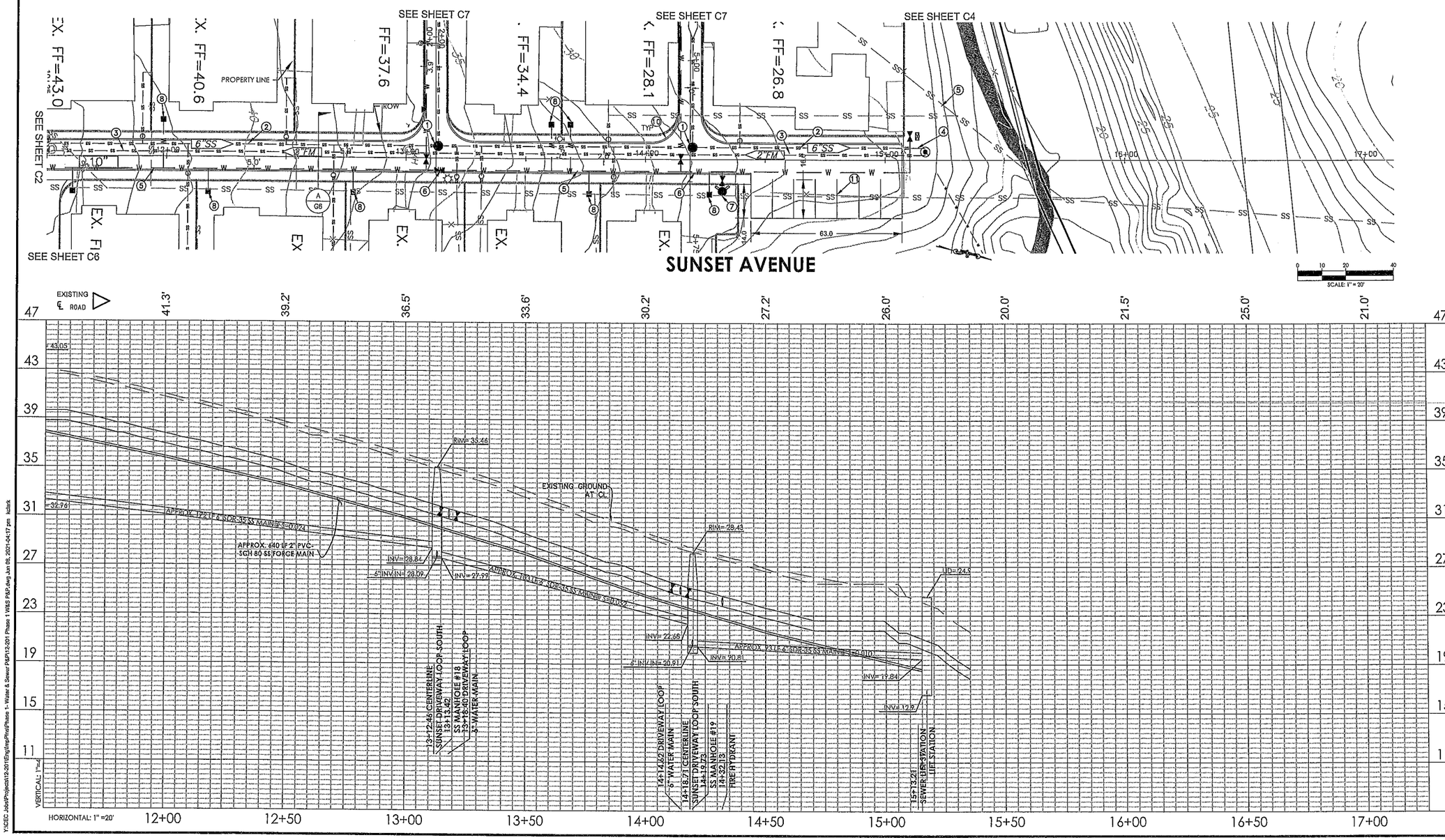
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 46" SANITARY SEWER MANHOLE
2. 365 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. 365 LINEAL FEET 2" SANITARY SEWER FORCE MAIN
4. SEWER LIFT STATION
5. 435 LINEAL FEET 10" WATER MAIN
6. 10" WATER GATE VALVE
7. FIRE HYDRANT
8. 3/4" WATER SERVICE
9. BLOW OFF VALVE
10. 6" MOW STRIP PER DETAIL ON SHEET G5.
11. 4" WHITE THERMOPLASTIC PARKING STALL STRIPING



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DONALD LYNDON SMITH No. 74980 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA

SUNSET AVE STA 11+50 TO 15+25

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C3 OF 24

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NOTES

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

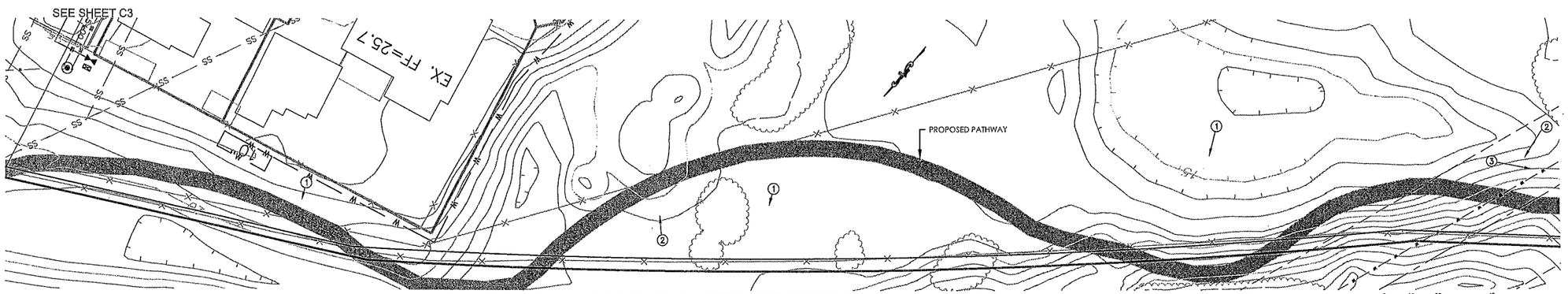
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

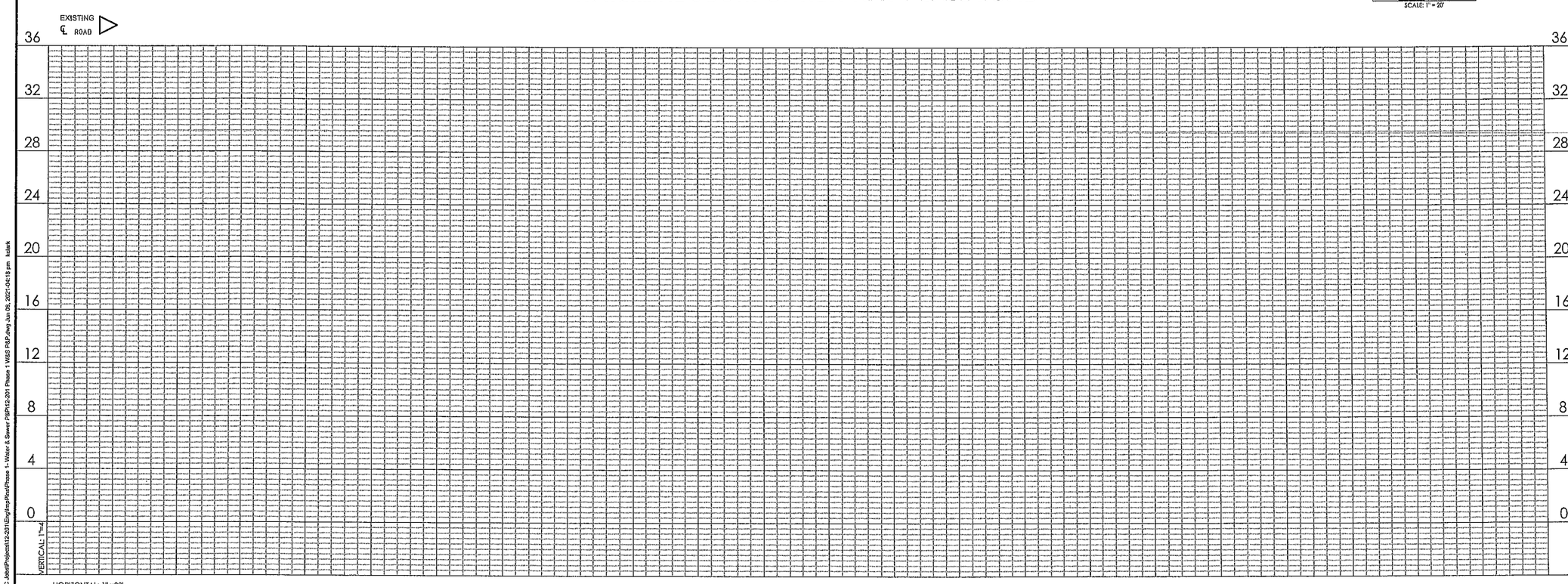
11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 520 LINEAL FEET 10" WATER MAIN WITH 36" MIN COVERAGE
2. 10" WATER GATE VALVE
3. CONNECT TO HBMWD EXISTING WATER MAIN
   NOTE: TIE-IN LOCATION IS APPROXIMATE



WATERLINE SOUTH OF NEW NAVY BASE ROAD



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
DAVID LYNDOT SWAN
No. 52840
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TOWN OF SAMOA

WATERLINE SOUTH OF NEW NAVY BASE ROAD

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C4 OF 24

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NOTES

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

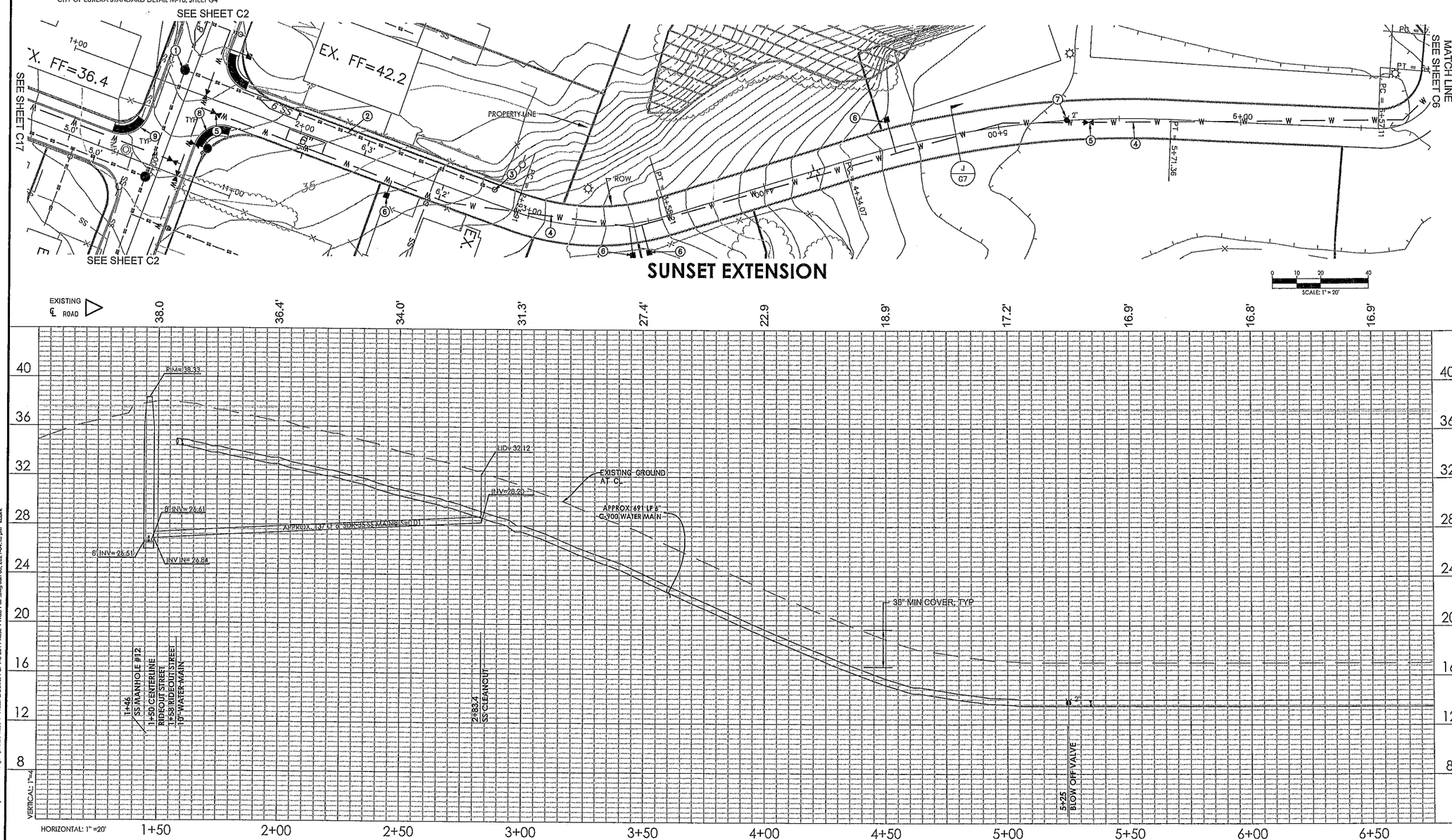
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 137 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. SANITARY SEWER CLEANOUT
4. 492 LINEAL FEET 6" WATER MAIN
5. 6" WATER GATE VALVE
6. 3/4" WATER SERVICE
7. BLOW OFF VALVE
8. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
9. 6" MOW STRIP PER DETAIL ON SHEET G5.



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
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DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDON SWIFT No. 50680 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

SUNSET EXTN STA 1+00 TO 6+50

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C5 OF 24

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3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
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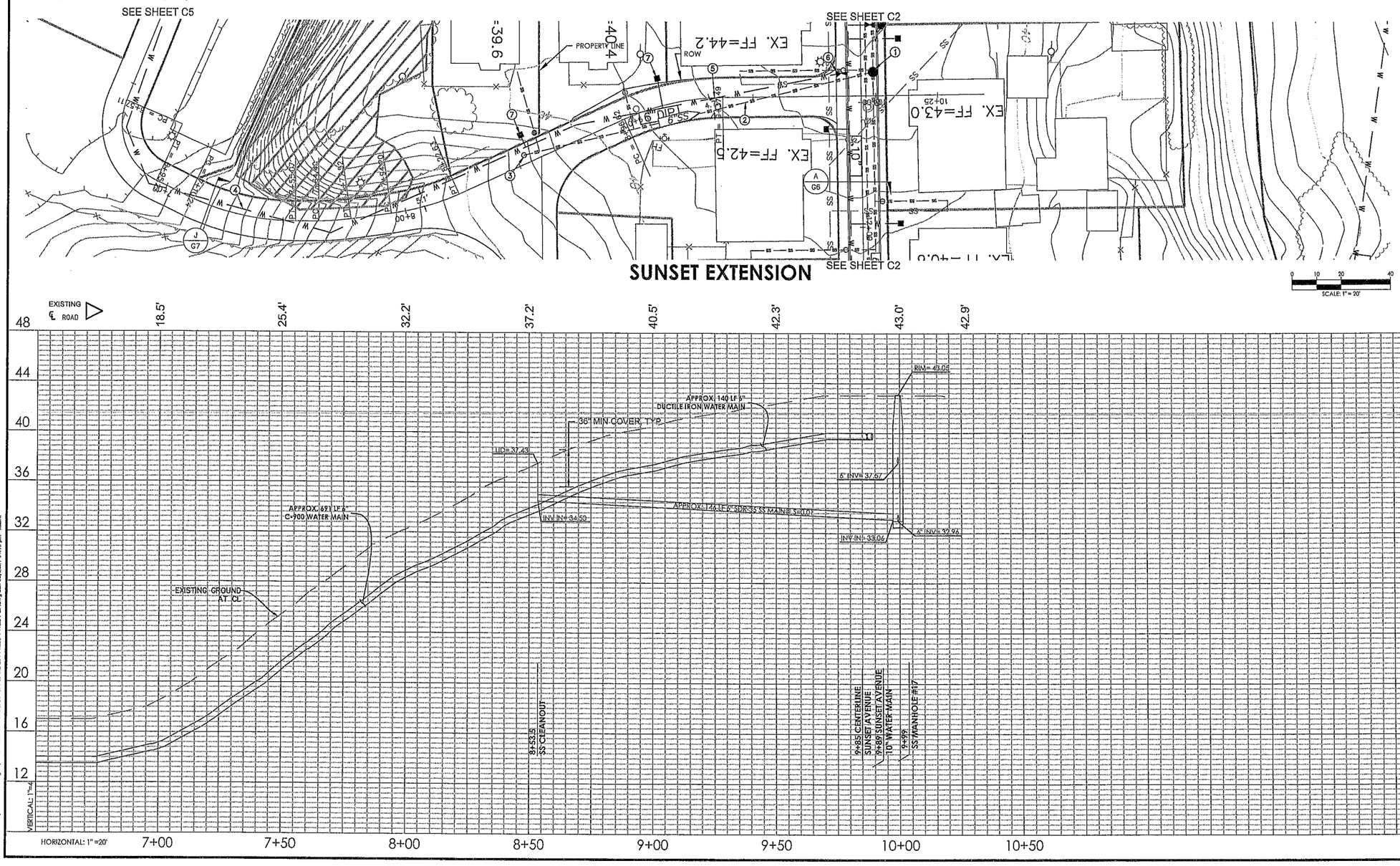
CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 148 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. SANITARY SEWER CLEANOUT
4. 200 LINEAL FEET 6" WATER MAIN
5. 140 LINEAL FEET 6" DUCTILE IRON WATER MAIN
6. 6" WATER GATE VALVE
7. 3/4" WATER SERVICE



NO.	DATE	DESCRIPTION

DATE: 7/19/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDON SMITH C 36810 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

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PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C6 OF 24

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NOTES

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
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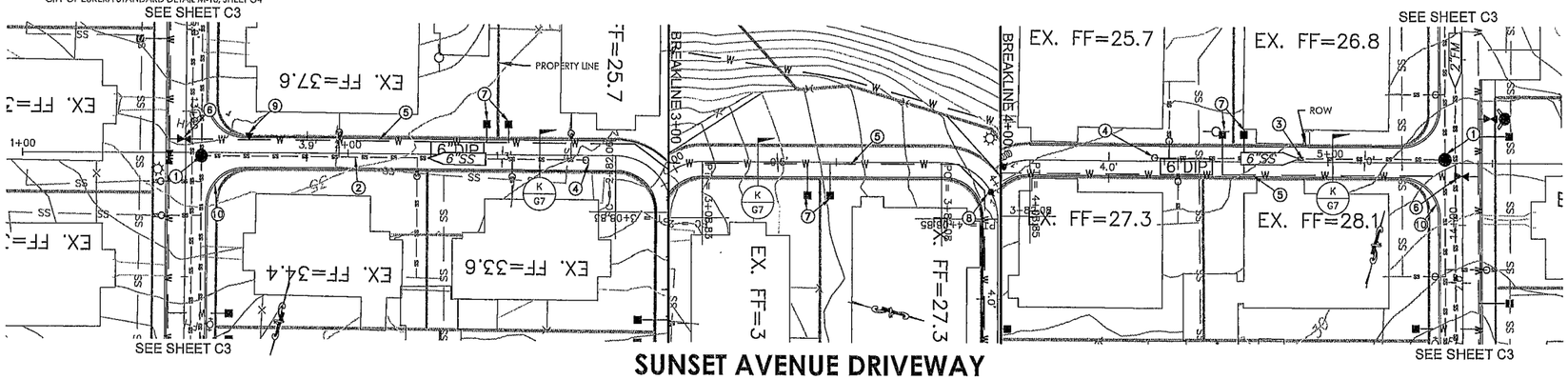
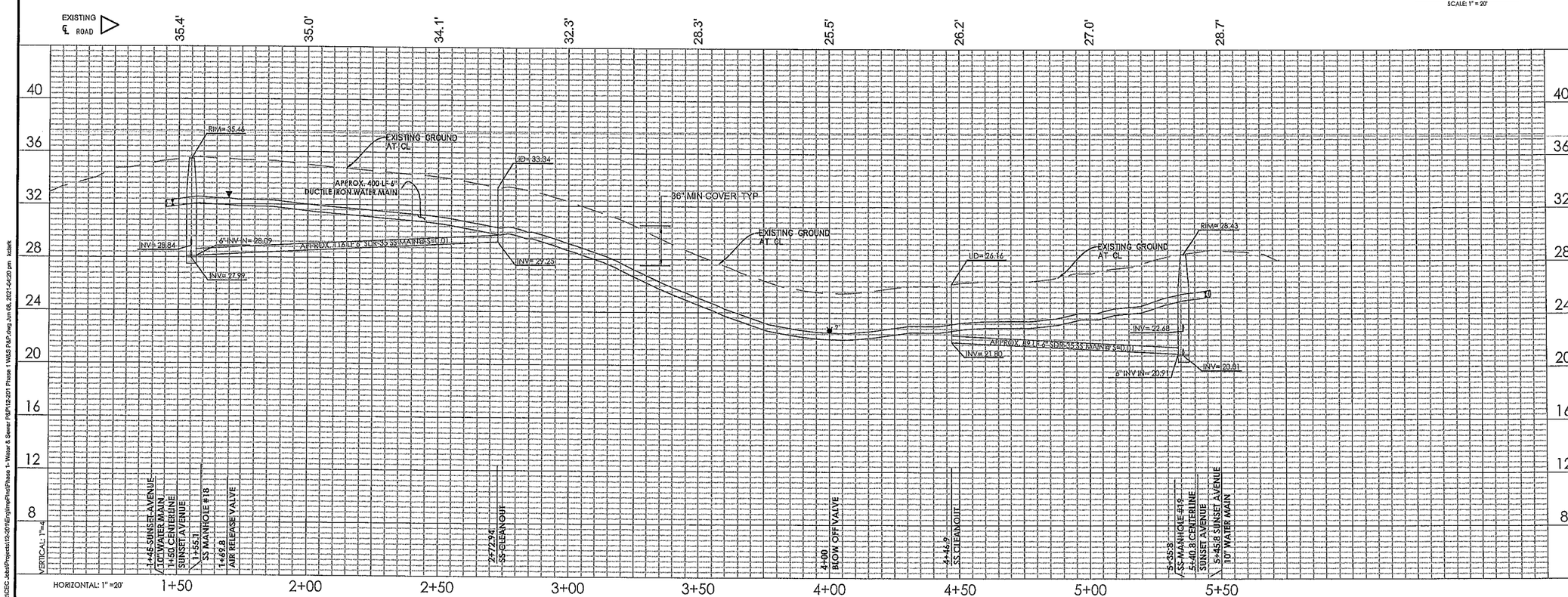
CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 118 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. 89 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
4. SANITARY SEWER CLEANOUT
5. 400 LINEAL FEET 6" DUCTILE IRON WATER MAIN
6. 6" WATER GATE VALVE
7. 3/4" WATER SERVICE
8. BLOW OFF VALVE
9. AIR RELEASE VALVE
10. 6" MOW STRIP PER DETAIL ON SHEET G5.



SUNSET AVENUE DRIVEWAY

SCALE: 1" = 20'



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOL SHOTT No. 72843 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

SUNSET AVENUE DRIVEWAY

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C7 OF 24

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NOTES

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

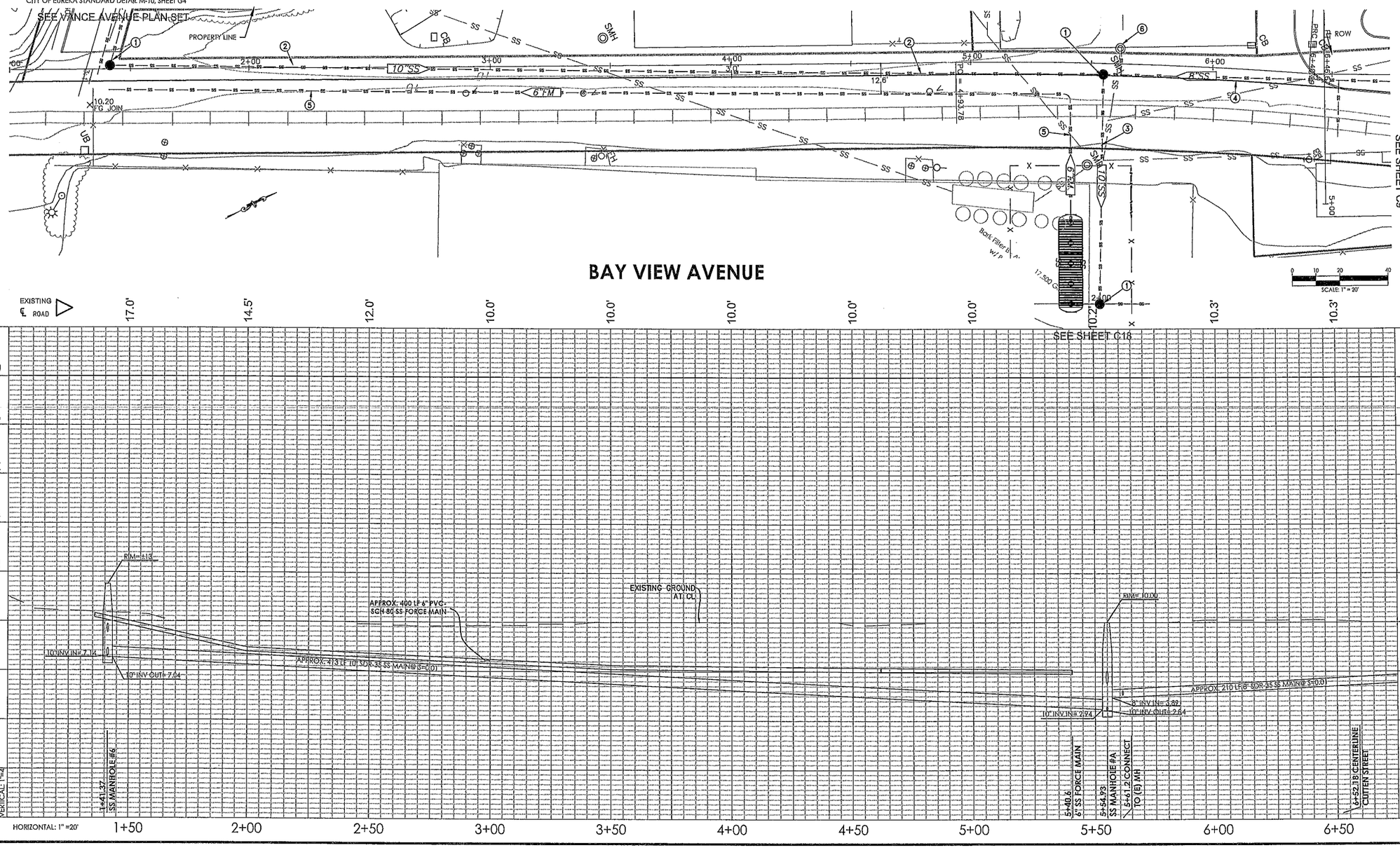
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 415 LINEAL FEET 10" SDR-35 SANITARY SEWER MAIN
3. 95 LINEAL FEET 10" SDR-35 SANITARY SEWER MAIN
4. 95 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
5. 466 LINEAL FEET 6" SANITARY SEWER FORCE MAIN
6. CONNECT TO EXISTING MANHOLE



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REGISTERED PROFESSIONAL ENGINEER DAVID LYNDEL SWIFT NO. 52843 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

BAY VIEW AVE STA 1+00 TO 6+50

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C8 OF 24

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NOTES CONTINUED

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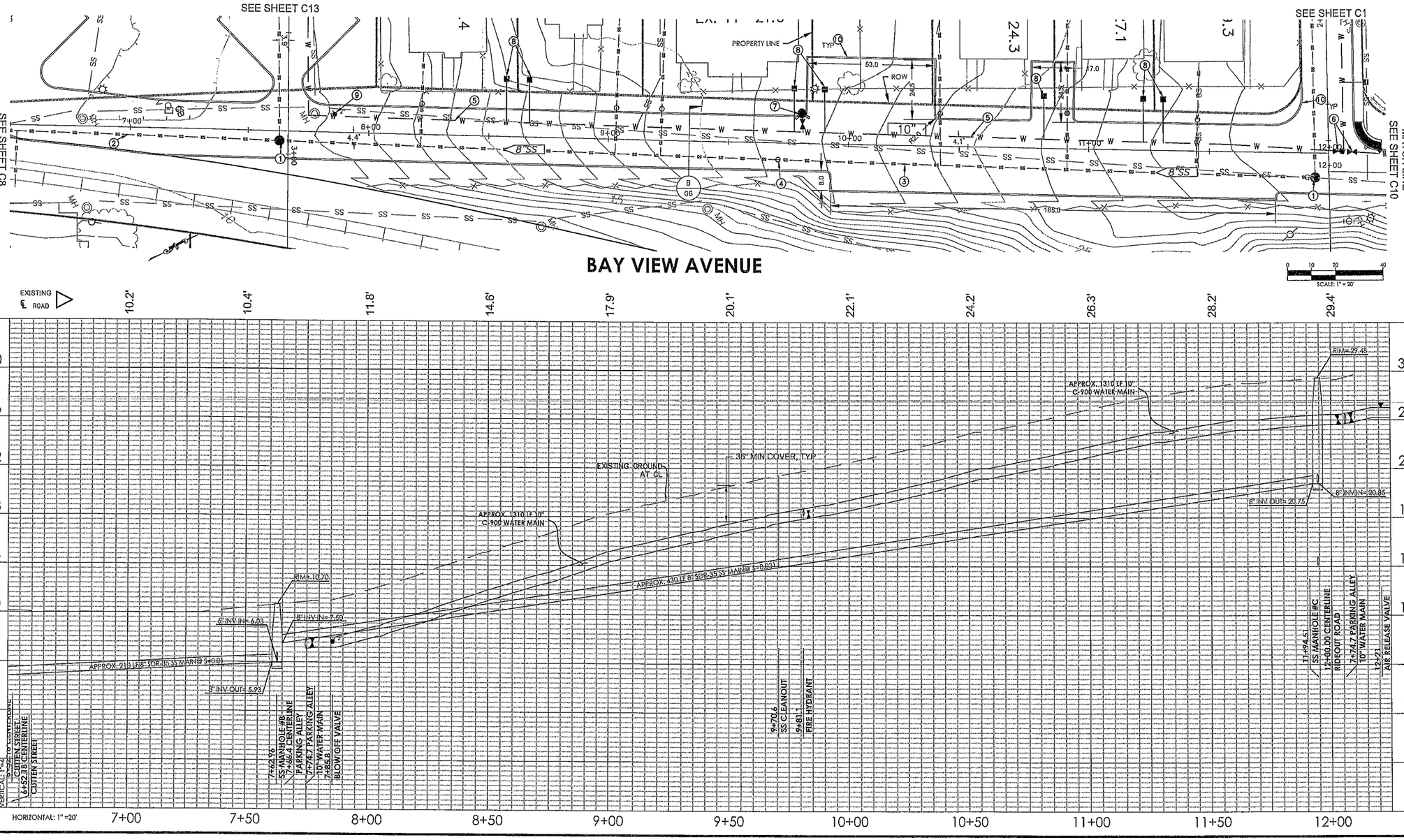
CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 115 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
3. 430 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
4. SANITARY SEWER CLEAN OUT
5. 430 LINEAL FEET 10" WATER MAIN
6. 10" WATER GATE VALVE
7. FIRE HYDRANT
8. 3/4" WATER SERVICE
9. BLOW OFF VALVE
10. 6" MOW STRIP PER DETAIL ON SHEET G5.



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DATE: 7/19/2019
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DESIGNED BY: DDL
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DONALD LYNDON SHAW No. 70940 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

BAY VIEW AVE STA 6+50 TO 12+00

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C9 OF 24

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Y:\CEC Jobs\Projects\12-201\Eng\Imp\Final\Phase 1- Water & Sewer P&P\12-201 Phase 1 W&S P&P.dwg Jun 08, 2021-04:21 pm kadak

NOTES

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

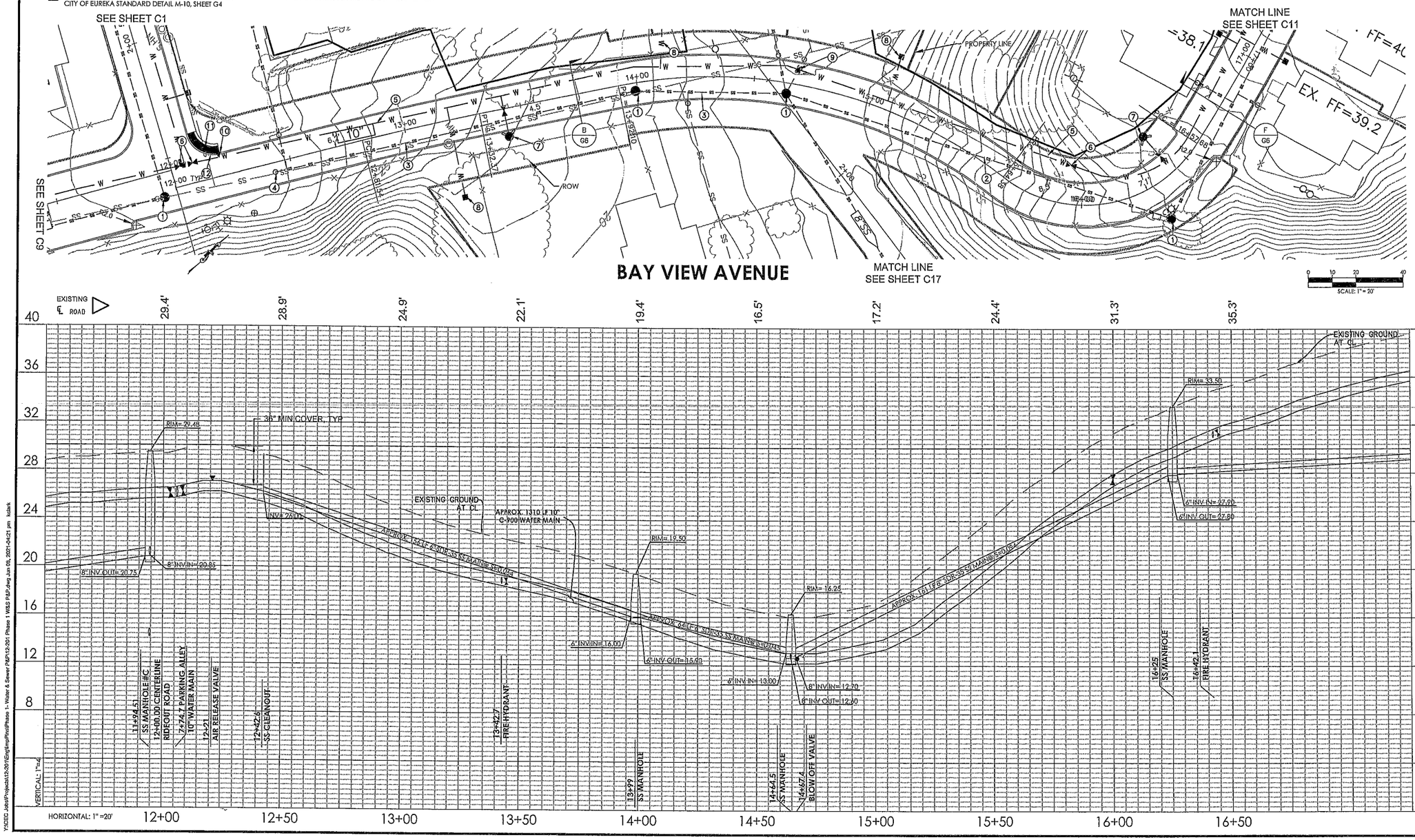
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 186 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
3. 220 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
4. SANITARY SEWER CLEAN OUT
5. 450 LINEAL FEET 10" WATER MAIN
6. 10" WATER GATE VALVE
7. FIRE HYDRANT
8. 3/4" WATER SERVICE
9. BLOW OFF VALVE
10. AIR RELEASE VALVE
11. DETECTABLE WARNINGS AT CURB RETRUN PER DETAIL ON SHEET G5.
12. 6" MOW STRIP PER DETAIL ON SHEET G5.



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MBH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DONALD LYNDOL SHAW No. 58593 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
Est. 1956
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TOWN OF SAMOA

BAY VIEW AVE STA 12+00 TO 16+50

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C10 OF 24

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NOTES

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

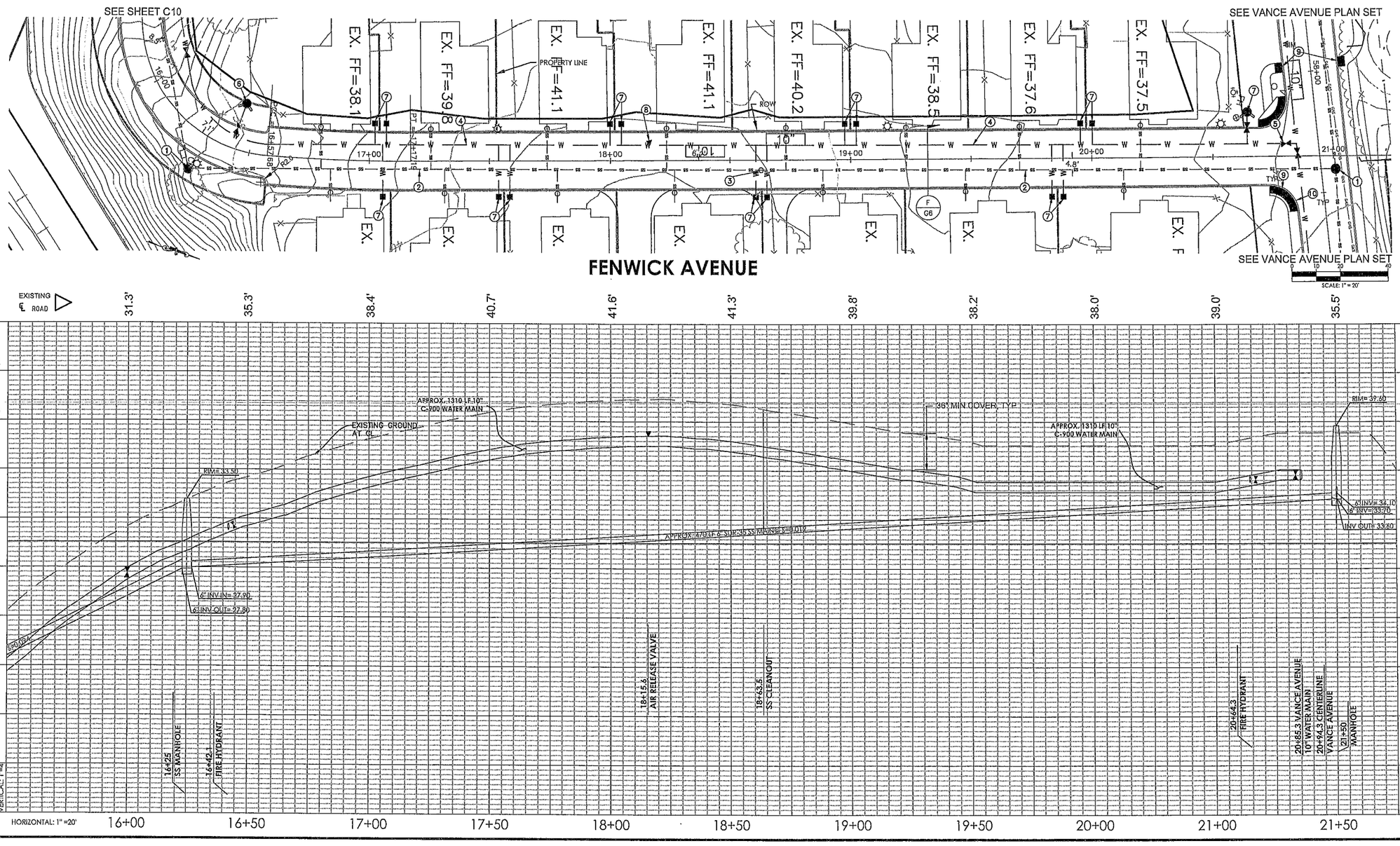
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 470 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. SANITARY SEWER CLEAN OUT
4. 435 LINEAL FEET 10" WATER MAIN
5. 10" WATER GATE VALVE
6. FIRE HYDRANT
7. 3/4" WATER SERVICE
8. AIR RELEASE VALVE
9. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
10. 6" MOW STRIP PER DETAIL ON SHEET G5.



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER (DONALD LYNDON) CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

FENWICK AVE STA 16+50 TO 21+00

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C11 OF 24

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NOTES

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3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
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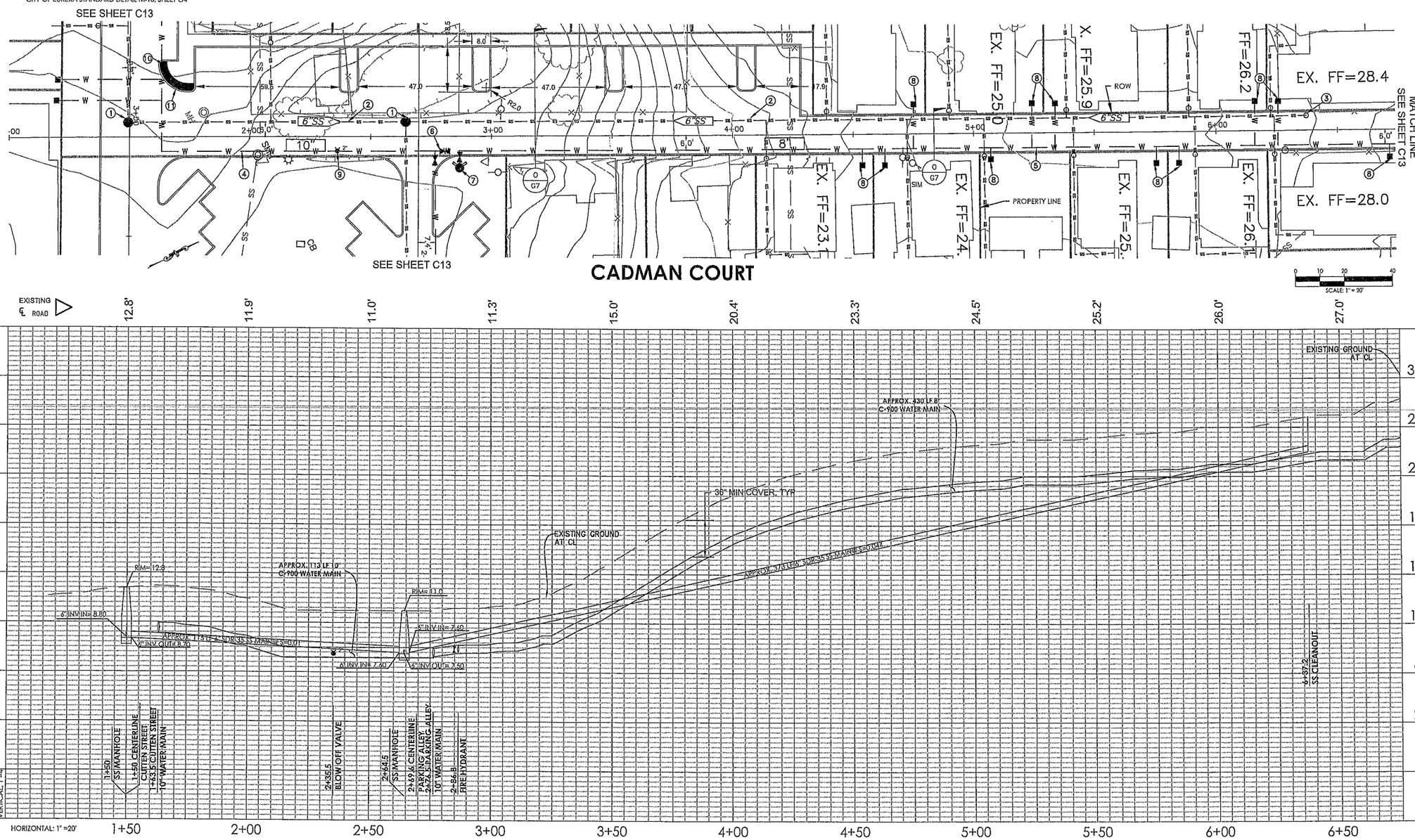
CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 488 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. SANITARY SEWER CLEAN OUT
4. 113 LINEAL FEET 10" WATER MAIN
5. 373 LINEAL FEET 8" WATER MAIN
6. 8" WATER GATE VALVE
7. FIRE HYDRANT
8. 3/4" WATER SERVICE
9. BLOW OFF VALVE
10. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G6.
11. 6" MOW STRIP PER DETAIL ON SHEET G5.



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOL SHEETS C 45 31840 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA

CADMAN COURT STA 1+00 TO 6+50

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C12 OF 24

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NOTES

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3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

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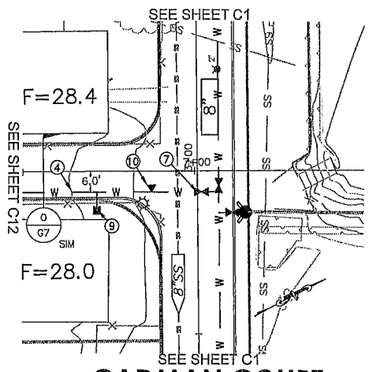
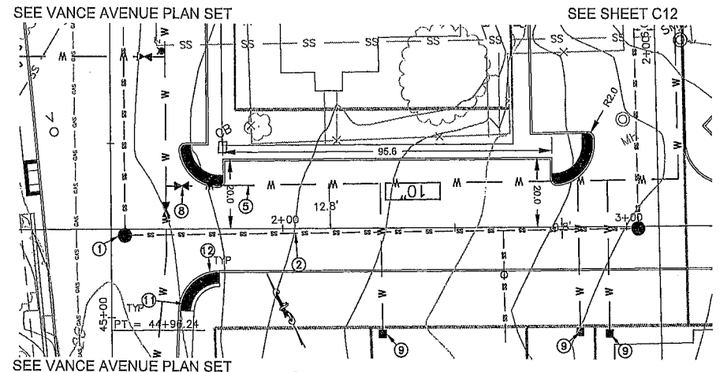
CONSTRUCTION NOTES:

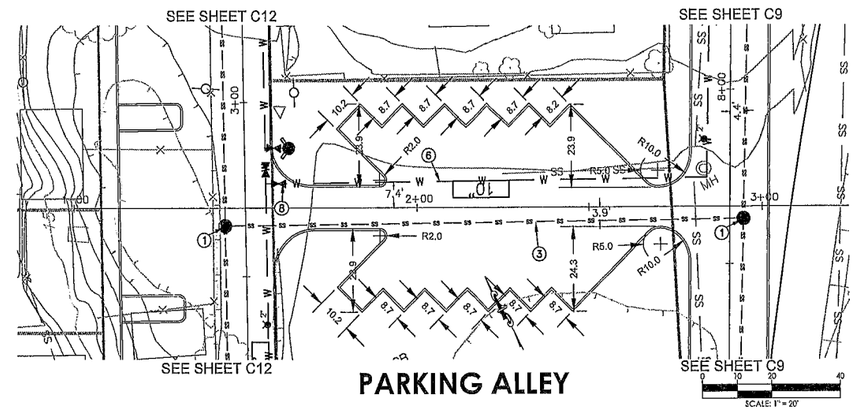
1. 48" SANITARY SEWER MANHOLE
2. 150 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. 150 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
4. 56 LINEAL FEET 8" WATER MAIN
5. 150 LINEAL FEET 10" WATER MAIN
6. 130 LINEAL FEET 10" WATER MAIN
7. 8" WATER GATE VALVE
8. 10" WATER GATE VALVE
9. 3/4" WATER SERVICE
10. AIR RELEASE VALVE
11. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
12. 6" MOW STRIP PER DETAIL ON SHEET G5.



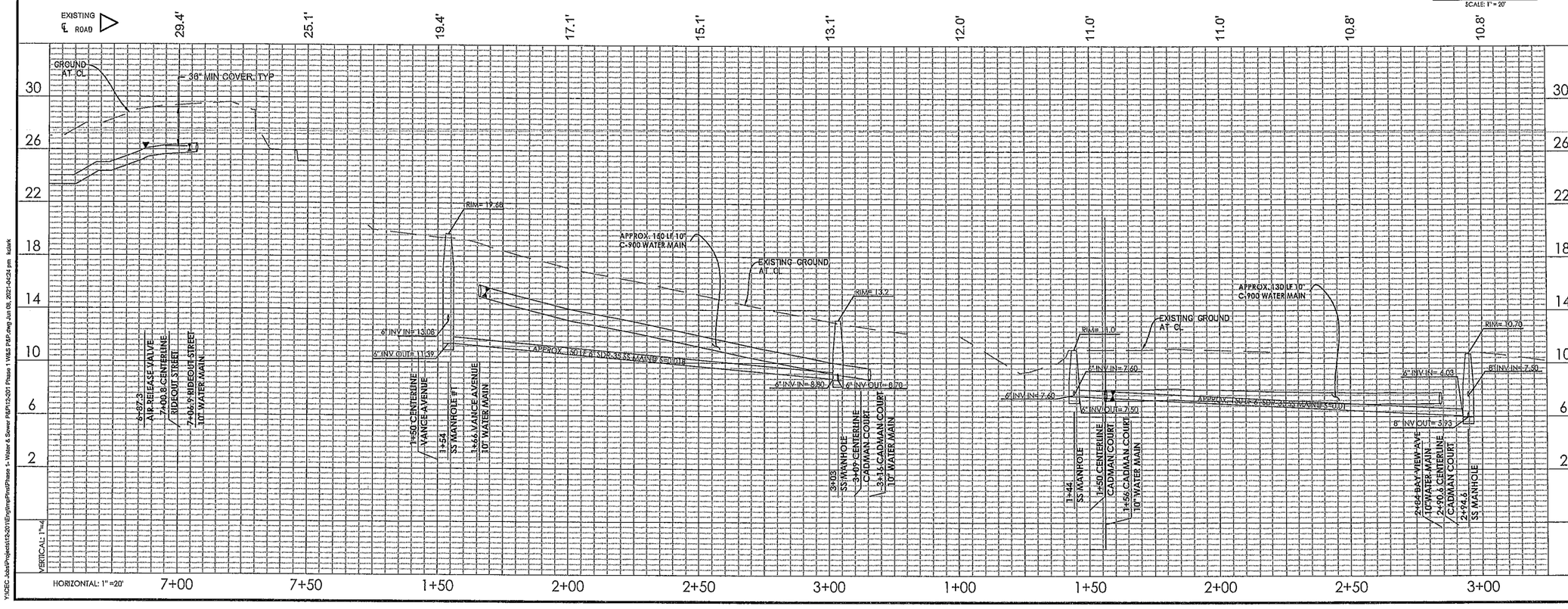
CADMAN COURT



CUTTEN STREET



PARKING ALLEY



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOL SWIFT No. 55540 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

CADMAN COURT & CUTTEN STREET

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C13 OF 24

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NOTES

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
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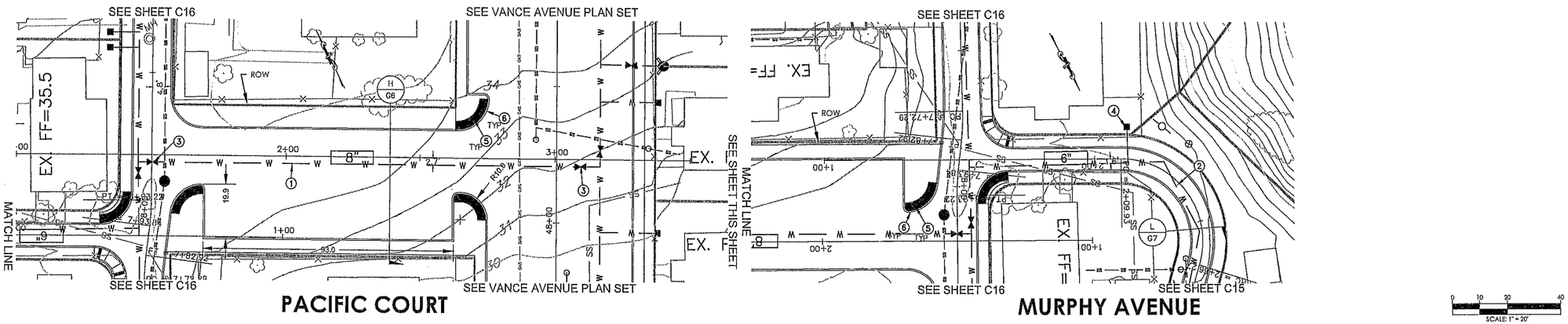
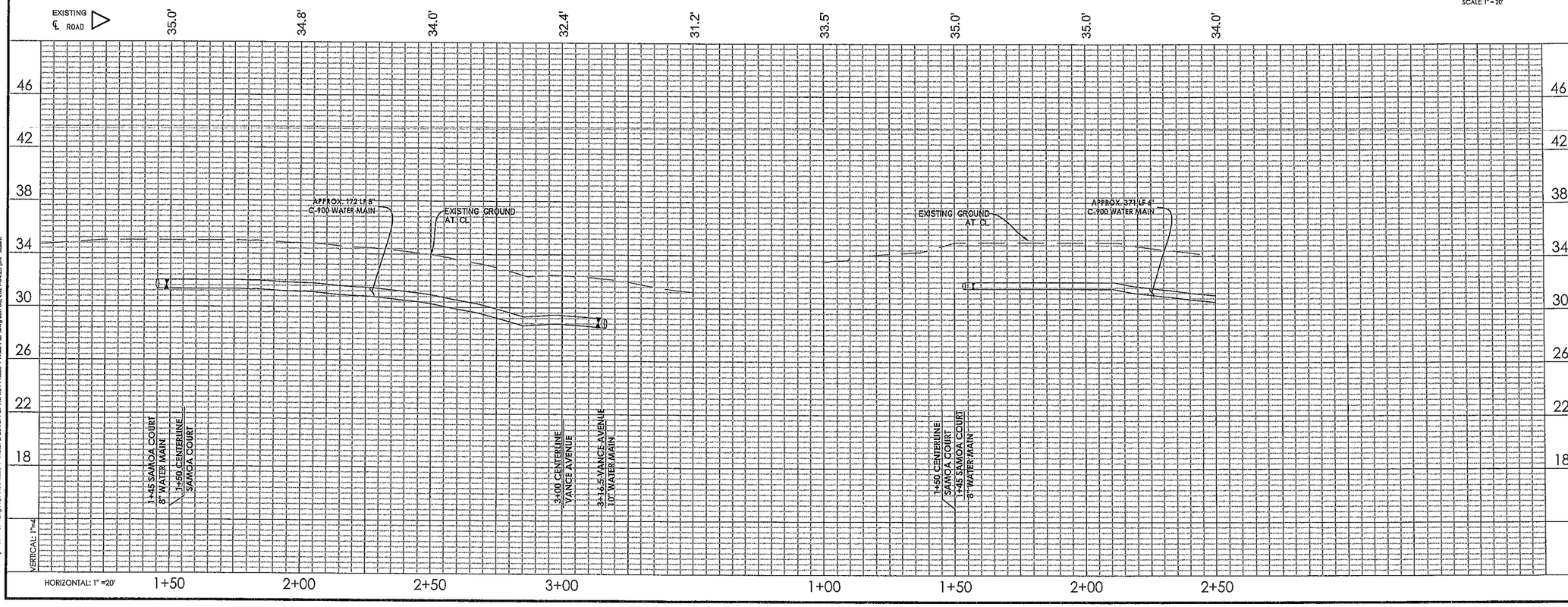
CONSTRUCTION NOTES:

1. 172 LINEAL FEET 8" WATER MAIN
2. 105 LINEAL FEET 6" WATER MAIN
3. 8" WATER GATE VALVE
4. 3/4" WATER SERVICE
5. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
6. 6" MOW STRIP PER DETAIL ON SHEET G5.





NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOL SIMS C-32040 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
SINCE 1956
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TOWN OF SAMOA

PACIFIC COURT & MURPHY AVENUE

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C14 OF 24

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NOTES

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NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
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NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

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11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
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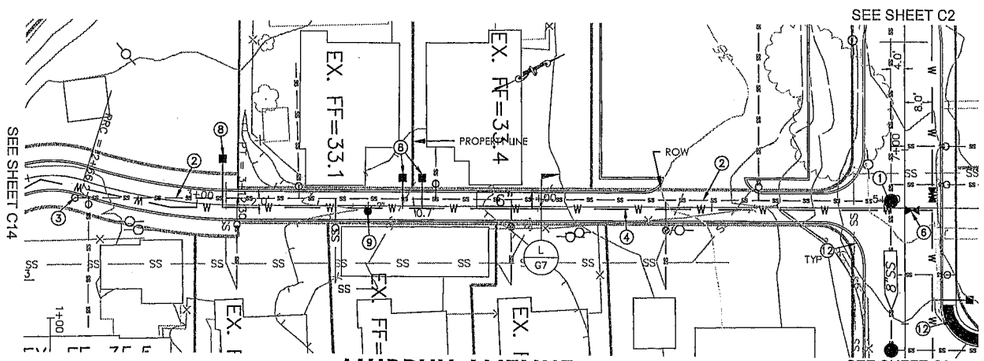
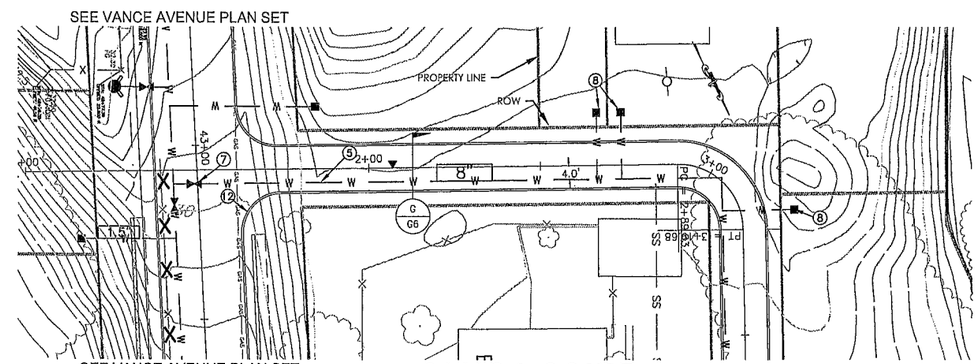
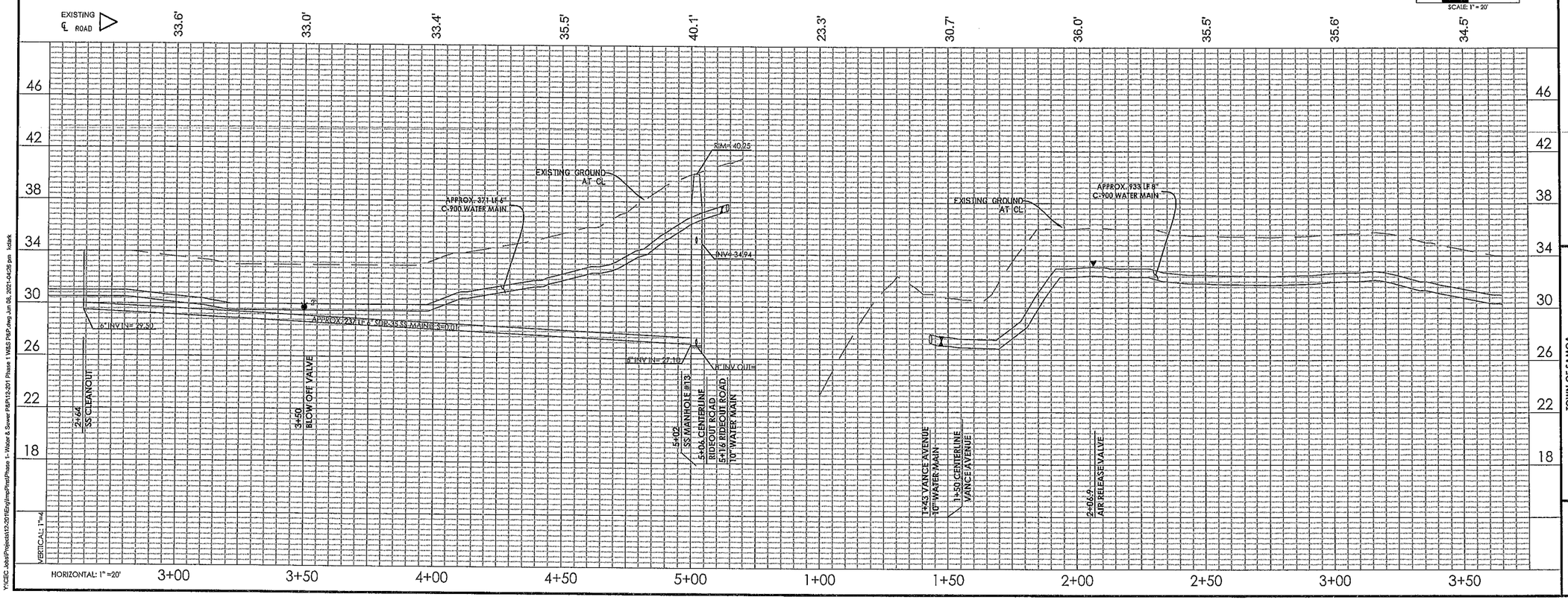
CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 237 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. SANITARY SEWER CLEANOUT
4. 266 LINEAL FEET 6" WATER MAIN
5. 207 LINEAL FEET 8" WATER MAIN
6. 6" WATER GATE VALVE
7. 8" WATER GATE VALVE
8. 3/4" WATER SERVICE
9. BLOW OFF VALVE
10. AIR RELEASE VALVE
11. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
12. 6" MOW STRIP PER DETAIL ON SHEET G5.







NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER
DAVID J. LYNDOT
No. 52828
CIVIL
STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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TOWN OF SAMOA

MURPHY AVENUE & SAMOA COURT

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C15 OF 24

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NOTES

1. EXISTING VAULTS, VALVES, STRUCTURES, ETC. ARE APPROXIMATE AND WERE ENCOUNTERED AT THE TIME OF THE SURVEY. ANY TANKS, VAULTS, VALVES, STRUCTURES, ETC. FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS SHALL BE DISCUSSED WITH THE CITY IN THE EVENT THEY ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

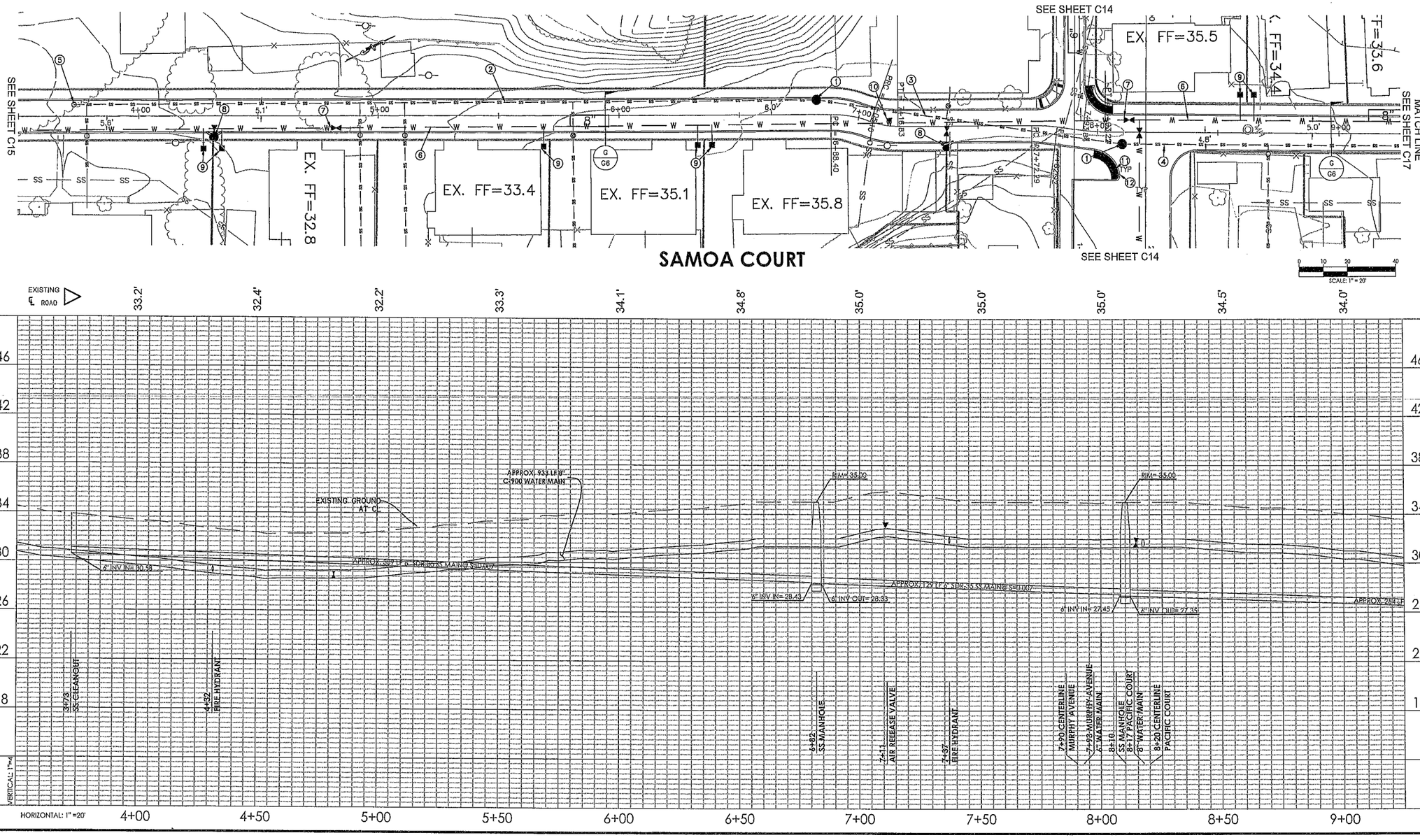
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 309 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. 129 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
4. 90 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
5. SANITARY SEWER CLEANOUT
6. 550 LINEAL FEET 8" WATER MAIN
7. 8" WATER GATE VALVE
8. FIRE HYDRANT
9. 3/4" WATER SERVICE
10. AIR RELEASE VALVE
11. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
12. 6" MOW STRIP PER DETAIL ON SHEET G5.



NO.	DATE	DESCRIPTION

DATE: 7/18/2017
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID J. LYNDOL SHORT No. 82840 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

SAMOA COURT STA 3+50 TO 9+00

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C16 OF 24

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NOTES

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2. CONTRACTOR SHALL VERIFY DEPTH, LOCATION AND SIZE OF ALL EXISTING UTILITIES WITHIN WORK LIMITS PRIOR TO CONSTRUCTION.
3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

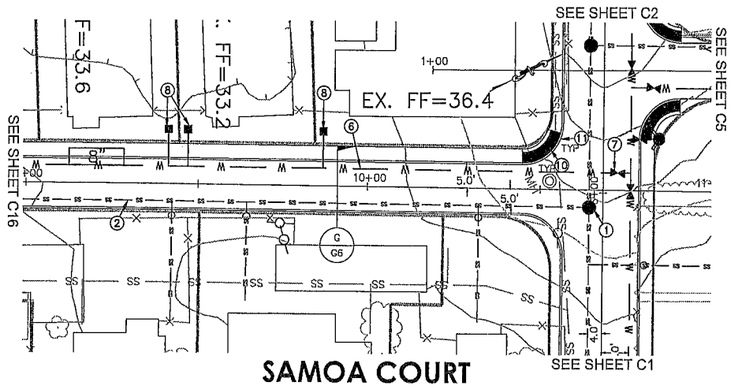
8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

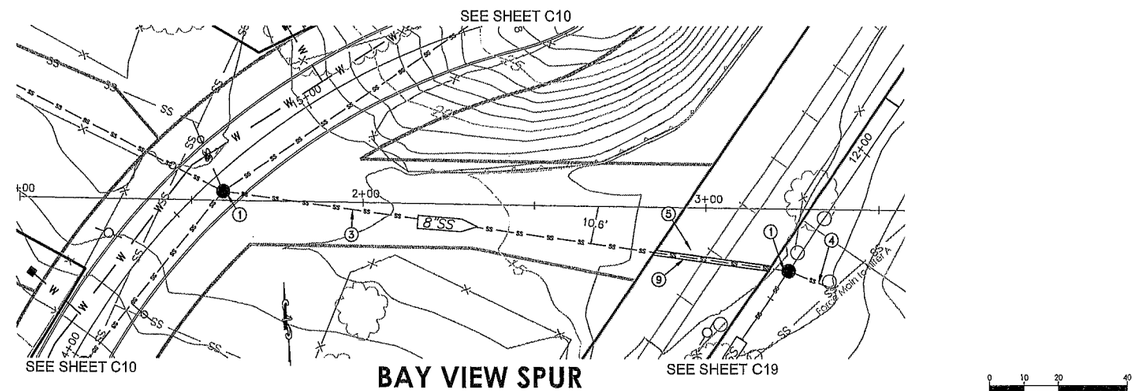
NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
12. ALL CURB RETURNS SHALL BE 12' RADIUS UNLESS NOTED OTHERWISE.
13. EXISTING ELECTRICAL UTILITIES SHALL BE SHALL BE PROTECTED IN PLACE. IF ELECTRICAL UTILITIES ARE DAMAGE FROM THE CONSTRUCTION PROCESS, THEY SHALL BE REPAIRED OR REPLACED TO MEET OR EXCEED THE PRIOR EXISTING CONDITION.

CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 164 LINEAL FEET 6" SDR-35 SANITARY SEWER MAIN
3. 166 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
4. 15 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN & CONNECT TO EXISTING MANHOLE
5. BORE & JACK PROPOSED SEWER LINE TO CROSS UNDERNEATH EXISTING RAILROAD TRACKS
6. 176 LINEAL FEET 8" WATER MAIN
7. 8" WATER GATE VALVE
8. 3/4" WATER SERVICE
9. 15" DUCTILE IRON CASING
10. DETECTABLE WARNINGS AT CURB RETURN PER DETAIL ON SHEET G5.
11. 6" MOW STRIP PER DETAIL ON SHEET G5.





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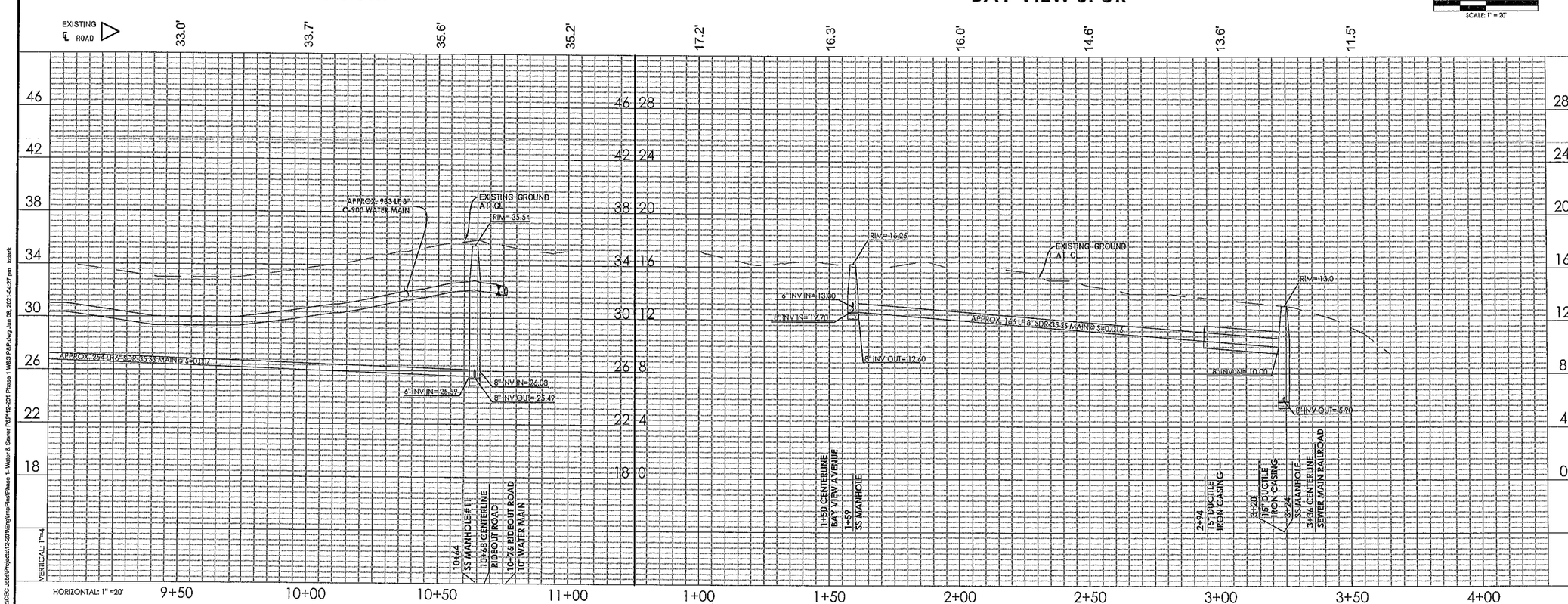

NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DJS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOL SHOTT No. 28401 CIVIL STATE OF CALIFORNIA

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TOWN OF SAMOA

SAMOA COURT & BAY VIEW STUB

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C17 OF 24

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NOTES

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3. SANITARY SEWER TRENCH AND BACKFILL SHALL BE PER CITY OF EUREKA STANDARD DETAIL M-10, SHEET G4

NOTES CONTINUED

4. MANHOLES, SERVICE LATERALS, CLEANOUTS SHALL BE PER DETAILS, SHEET G4.
5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
6. WATER MAINS SHALL HAVE 36" MINIMUM COVER, AND WHERE CROSSING PROPOSED UTILITIES SHALL MAINTAIN 12" MINIMUM CLEARANCE.
7. WATER GATE VALVES, SERVICES, AND HYDRANTS SHALL BE PER CITY OF EUREKA STANDARD DETAILS, SHEET G5.

NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
10. FOR SIDEWALKS LESS THAN 5' WIDE, PROVIDE WIDENED RUNS SPACED NO MORE THAN 200'. WIDENED RUNS SHALL BE MIN 5' WIDE AND 5' LONG.

NOTES CONTINUED

11. MOW STRIP SHALL BE CONSTRUCTED TO MATCH ELEVATION AT EXISTING EP. CONTRACTOR TO VERIFY POSITIVE DRAINAGE.
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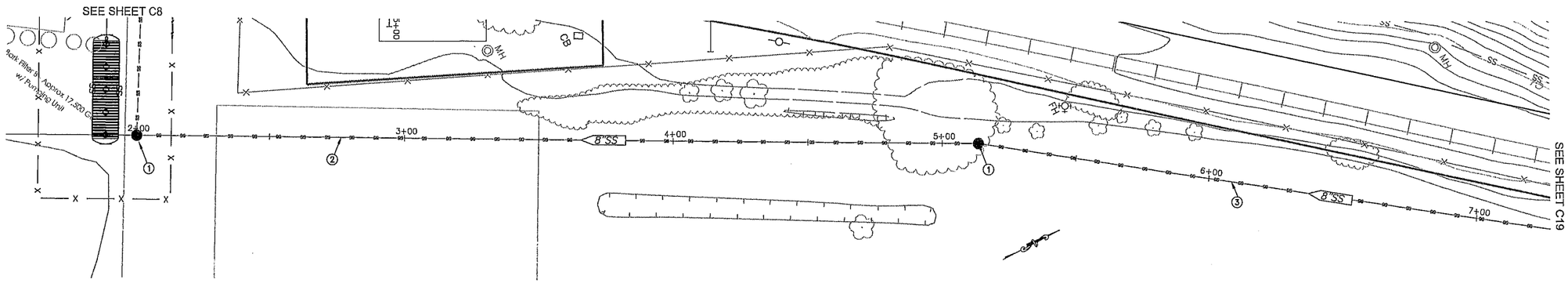
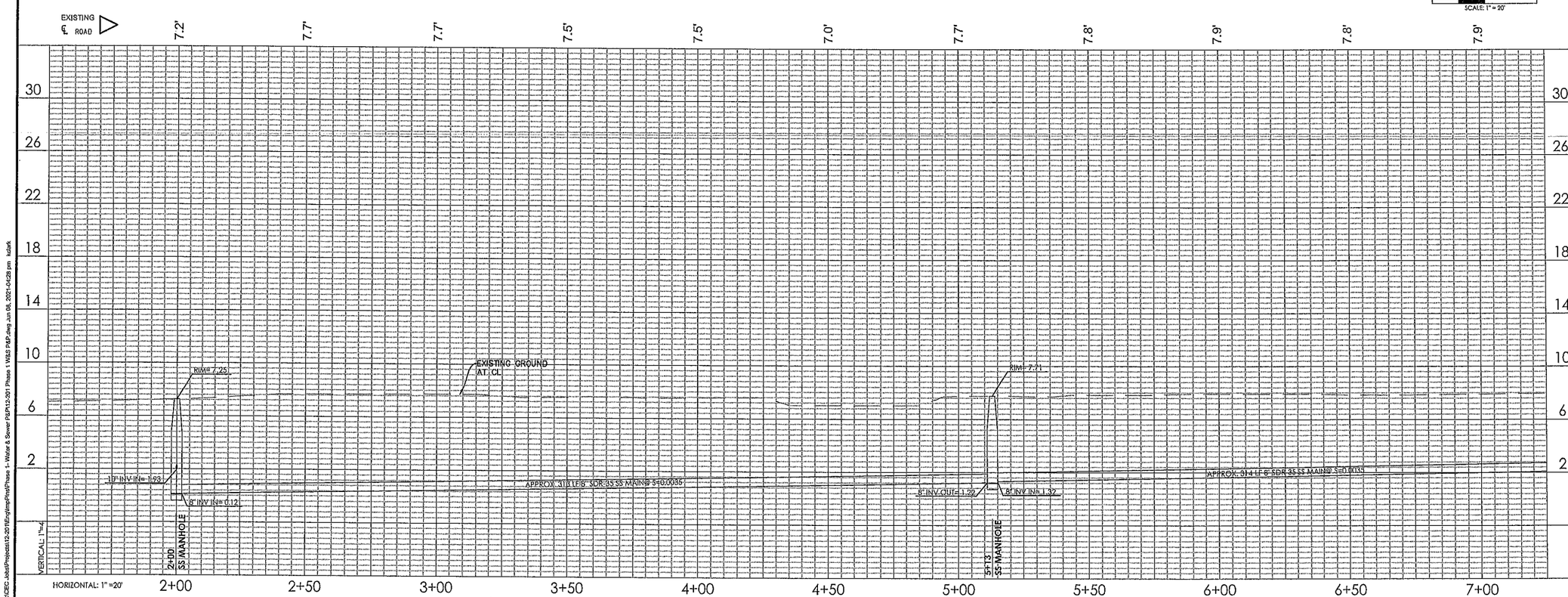
WATER & SEWER CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 313 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
3. 187 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN



SEWER MAIN PARALLEL RAILROAD

SCALE: 1" = 20'



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDI
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDON SMITH No. 72337 CIVIL STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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EST. 1995
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TOWN OF SAMOA

SEWER LINE STA 1+50 TO 7+00

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C18 OF 24

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NOTES

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NOTES CONTINUED

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5. CONTRACTOR TO CONSTRUCT TRENCH DAMS ALONG SEWER MAIN AS NECESSARY. BEDDING AND BACKFILL SHALL CONFORM TO THE GEOTECHNICAL REPORT.
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NOTES CONTINUED

8. ALL BUILDING SEWER LATERALS SHALL BE 4", SLOPED AT 1%. ALL BUILDINGS SHALL HAVE A 4" CLEANOUT (SSCO). ALL SEWER MAIN AND LATERALS SHALL HAVE A MINIMUM COVER OF 30".
9. ALL DOMESTIC WATER SERVICE CONNECTIONS TO EXISTING HOUSES SHALL BE 3/4" WITH 3/4" METER.
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NOTES CONTINUED

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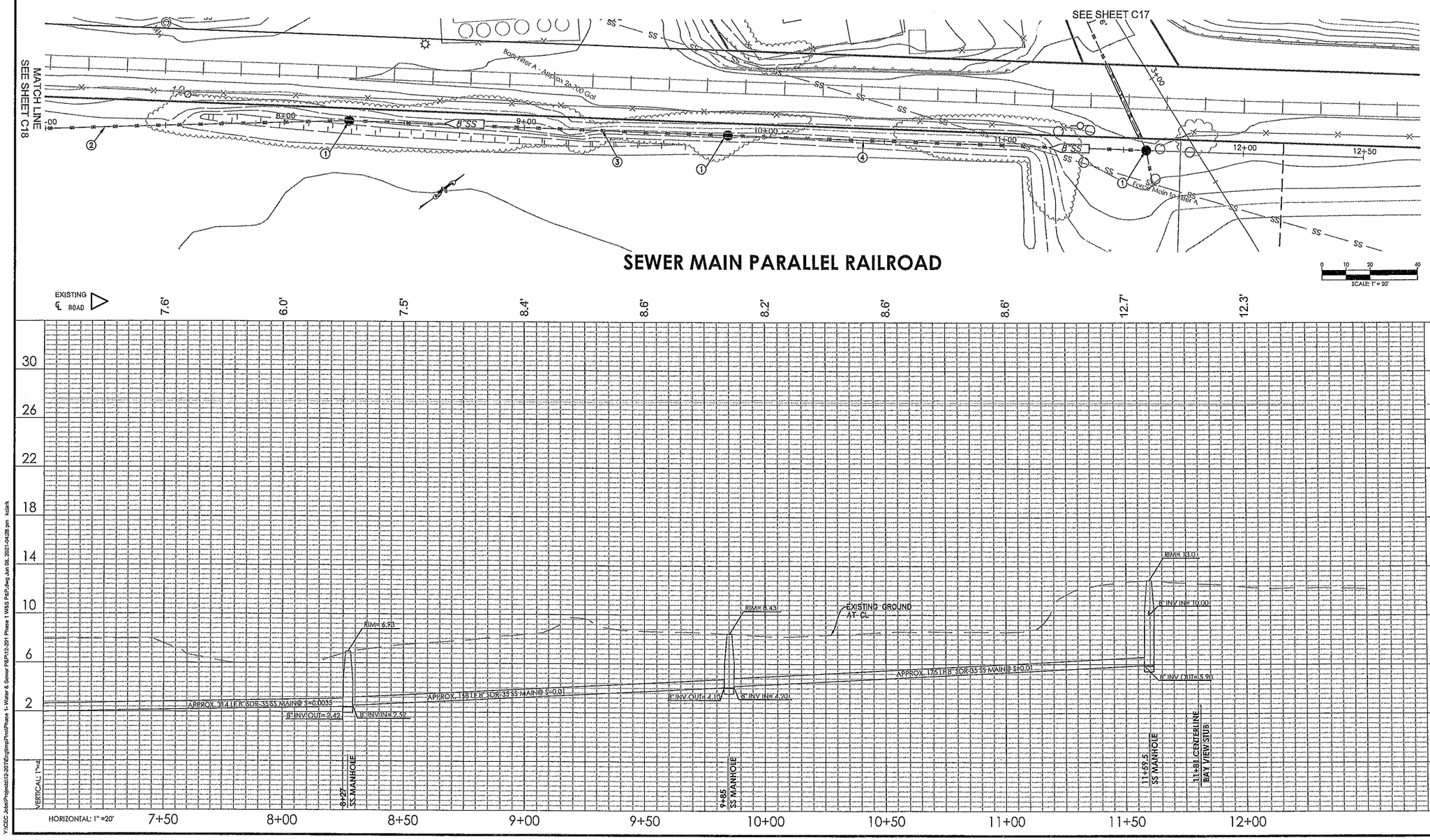
WATER & SEWER CONSTRUCTION NOTES:

1. 48" SANITARY SEWER MANHOLE
2. 127 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
3. 158 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN
4. 175 LINEAL FEET 8" SDR-35 SANITARY SEWER MAIN



NO.	DATE	DESCRIPTION

DATE: 7/18/2019
SCALE: 1"=20'
DRAWN BY: MRH
DESIGNED BY: DDJ
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER DAVID LYNDOT SWIFT CIVIL STATE OF CALIFORNIA

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1110 Civic Center Blvd. Suite 404 | Yuba City, CA 95993 | (530) 751-0952 Office

TOWN OF SAMOA

SEWER LINE STA 7+00 TO 12+00

PHASE 1: WATER & SEWER IMPROVEMENT PLANS

PROJECT NUMBER 12-201

SHEET C19 OF 24

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