



COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PLANNING & BUILDING
TREVOR KEITH, *DIRECTOR*

THIS IS A NEW PROJECT REFERRAL

DATE: 1/8/2019

TO: 5th District Legislative Assistant, Air Pollution Control Board, Building Division, Cal Fire/County Fire, Environmental Health, Public Works, Sheriff, CA Fish and Wildlife, RWQCB, U.S. Fish and Wildlife, PG&E, Creston Advisory Body, AB52

FROM: Young Choi (ychoi@co.slo.ca.us)

PROJECT NUMBER & NAME: DRC2018-000236 CLARK_GUTIERREZ

PROJECT DESCRIPTION: Proposed Minor Use Permit for 1 acre outdoor and 22,000 square-foot indoor cannabis cultivation to be located at Golden Pond Way and Blue Ridge Rd. Creston, CA

APN(s): 070-182-035 and 070-183-011

Return this letter with your comments attached no later than 14 days from receipt of this referral. CACs please respond within 60 days. Thank you.

PART I: IS THE ATTACHED INFORMATION ADEQUATE TO COMPLETE YOUR REVIEW?

- ☐ YES (Please go on to PART II.)
- ☐ NO (Call me ASAP to discuss what else you need. We have only 10 days in which we must obtain comments from outside agencies.)

PART II: ARE THERE SIGNIFICANT CONCERNS, PROBLEMS OR IMPACTS IN YOUR AREA OF REVIEW?

- ☐ YES (Please describe impacts, along with recommended mitigation measures to reduce the impacts to less-than-significant levels, and attach to this letter.)
- ☐ NO (Please go on to PART III.)

PART III: INDICATE YOUR RECOMMENDATION FOR FINAL ACTION.

Please attach any conditions of approval you recommend to be incorporated into the project's approval, or state reasons for recommending denial.

IF YOU HAVE "NO COMMENT," PLEASE SO INDICATE, OR CALL.

Date

Name

Phone



GENERAL APPLICATION FORM

San Luis Obispo County Department of Planning and Building

APPLICATION TYPE - CHECK ALL THAT APPLY

- ☐ Emergency Permit
 ☐ Tree Permit
 ☐ Minor Use Permit
☒ Conditional Use Permit/Development Plan
 ☐ Plot Plan
☐ Curb, Gutter & Sidewalk Waiver
 ☐ Other
 ☐ Site Plan
☐ Surface Mining/Reclamation Plan
 ☐ Zoning Clearance
☐ Amendment to approved land use permit
 ☐ Variance

DRC2018-00236

Minor Use Permit
 070-183-011 /
 Kaelan Clark
 Cannabis - 1 acre outdoor and 22,000 sq/ft indoor
 cultivation CCM 2016-00176

APPLICANT INFORMATION Check box for contact

person assigned to this project

☐ Landowner Name Gutierrez Properties LLC Daytime Phone (559) 250-4667
 Mailing Address 195 Elm Ave., Coalinga, CA Zip Code 93210
 Email Address: ritogutierrez@yahoo.com

☒ Applicant Name ~~Calavera Gold, LLC~~ Kaelan Clark KC Daytime Phone (805) 952-3845
 Mailing Address 108 W. 6th Street, Hanford, CA Zip Code 93230
 Email Address: calaveragold@gmail.com

☐ Agent Name ~~Rito Gutierrez~~ Kaelan Clark KC Daytime Phone (559) 250-4667
 Mailing Address 108 W 6th Street, Hanford, CA Zip Code 93230
 Email Address: ritogutierrez@yahoo.com

PROPERTY INFORMATION

Total Size of Site: 160 acres Assessor Parcel Number(s): 070-183-011, 070-182-035
 Legal Description: _____

Address of the project (if known): 0 Golden Pond Way, Creston City, CA 93432

Directions to the site (including gate codes) - describe first with name of road providing primary access to the site, then nearest roads, landmarks, etc.: Golden Pond Way near Kata Creek

Describe current uses, existing structures, and other improvements and vegetation on the property:
The property is currently vacant. There are two water tanks, plenty of trees, large open field of grass and a barn - 1200 sq ft. One residence and two garages are on the parcel, but will not be used for the project and are located 850 ft away..

PROPOSED PROJECT

Describe the proposed project (inc. sq. ft. of all buildings): 1 acre outdoor and 1/2 acre greenhouse cannabis grow

LEGAL DECLARATION

I, the owner of record of this property, have completed this form accurately and declare that all statements here are true. I do hereby grant official representatives of the county authorization to inspect the subject property.

Property owner signature  Date 12/20/18

FOR STAFF USE ONLY



LAND USE PERMIT APPLICATION

San Luis Obispo County Department of Planning and Building

File No _____

Type of project: ☐ Commercial ☐ Industrial ☐ Residential ☐ Recreational ☒ Other
Agricultural

Describe any modifications/adjustments from ordinance needed and the reason for the request (if applicable): Not applicable

Describe existing and future access to the proposed project site: Golden Pond Way

Surrounding parcel ownership: Do you own adjacent property? ☒ Yes ☐ No
If yes, what is the acreage of all property you own that surrounds the project site? 45 acres (2 neighboring parcels)

Surrounding land use: What are the uses of the land surrounding your property (when applicable, please specify all agricultural uses):

North: Cattle pasture, commercial warehouses South: Residence
East: Cattle grazing, horse nursery, residence West: Residence

For all projects, answer the following:

Square footage and percentage of the total site (approximately) that will be used for the following:

Buildings: 4,535 sq. feet 0.065 % Landscaping: 43,560 sq. feet 0.625 %
Paving: 500 sq. feet 0.007 % Other (specify) _____

Total area of all paving and structures: 5,135 ☒ sq. feet ☐ acres

Total area of grading or removal of ground cover: None planned ☐ sq. feet ☐ acres

Number of parking spaces proposed: 14 Height of tallest structure: existing barn - 25'

Number of trees to be removed: none Type: no trees to be removed

Setbacks: Front 2075' Right 510' Left 1540' Back 735'

Proposed water source: ☒ On-site well ☐ Shared well ☐ Other _____

☐ Community System - List the agency or company responsible for provision: _____

Do you have a valid will-serve letter? ☐ Yes ☒ No (If yes, please submit copy)

Proposed sewage disposal: ☒ Individual on-site system ☐ Other _____

☐ Community System - List the agency or company responsible for sewage disposal: _____

Do you have a valid will-serve letter? ☐ Yes ☒ No (If yes, please submit copy) in process of procuring

Fire Agency: List the agency responsible for fire protection: Cal Fire

For commercial/industrial projects answer the following:

Total outdoor use area: N/A ☐ sq. feet ☐ acres

Total floor area of all structures including upper stories: N/A sq. feet

For residential projects, answer the following:

Number of residential units: N/A Number of bedrooms per unit: N/A

Total floor area of all structures including upper stories, but not garages and carports: N/A sf

Total of area of the lot(s) minus building footprint and parking spaces: N/A sf



File No _____

Water Supply Information

1. What type of water supply is proposed?
☒ Individual well ☐ Shared well ☐ Community water system
2. What is the proposed use of the water?
☐ Residential ☒ Agricultural - Explain Cultivation
☐ Commercial/Office - Explain _____
☐ Industrial - Explain _____
3. What is the expected daily water demand associated with the project? 500-2500 gallons, depending on season
4. How many service connections will be required? Sewer and electric
5. Do operable water facilities exist on the site?
☒ Yes ☐ No If yes, please describe: Two existing wells - 10 gal/min and 18 gal/min
6. Has there been a sustained yield test on proposed or existing wells?
☒ Yes ☐ No If yes, please attach.
7. Does water meet the Health Agency's quality requirements?
Bacteriological? ☒ Yes ☐ No
Chemical? ☒ Yes ☐ No
Physical ☒ Yes ☐ No
Water analysis report submitted? ☐ Yes ☒ No Expected at the beginning of January 2019
8. Please check if any of the following have been completed on the subject property and/or submitted to County Environmental Health.
☐ Well Driller's Letter ☒ Water Quality Analysis(☒ OK or ☐ Problems)
☐ Will Serve Letter ☒ Pump Test _____ Hours / 10 & 18 GPM
☐ Surrounding Well Logs ☐ Hydrologic Study ☐ Other _____

Please attach any letters or documents to verify that water is available for the proposed project.

Sewage Disposal Information

If an on-site (individual) subsurface sewage disposal system will be used:

1. Has an engineered percolation test been accomplished?
☐ Yes ☒ No If yes, please attach a copy.
2. What is the distance from proposed leach field to any neighboring water wells? 855 feet
3. Will subsurface drainage result in the possibility of effluent reappearing in surface water or on adjacent lands, due to steep slopes, impervious soil layers or other existing conditions?
☐ Yes ☒ No
4. Has a piezometer test been completed?
☐ Yes ☒ No If 'Yes', please attach.
5. Will a Waste Discharge Permit from the Regional Water Quality Control Board be required?
☐ Yes ☒ No (a waste discharge permit is typically needed when you exceed 2,500 gallons per day)

If a community sewage disposal system is to be used:

1. Is this project to be connected to an existing sewer line? ☐ Yes ☐ No
Distance to nearest sewer line: _____ Location of connection: _____
2. What is the amount of proposed flow? _____ GPD
3. Does the existing collection treatment and disposal system have adequate additional capacity to accept the proposed flow? ☐ Yes ☐ No

Solid Waste Information

1. What type of solid waste will be generated by the project? biological waste will be
☐ Domestic ☐ Industrial ☒ Agricultural ☐ Other, please explain? composted on site
2. Name of Solid Waste Disposal Company: West Coast Construction & Clean Up
3. Where is the waste disposal storage in relation to buildings? Disposal storage is located 615' from bldgs
4. Does your project design include an area for collecting recyclable materials and/or composting materials? ☒ Yes ☐ No

Community Service Information

1. Name of School District: Atascadero Unified School District
2. Location of nearest police station: Atascadero Police Department, 5505 El Camino Real, Atascadero
3. Location of nearest fire station: SLO County Fire Station 40, 6140 Parkhill Rd, Santa Margarita
4. Location of nearest public transit stop: None
5. Are services (grocery/other shopping) within walking distance (1/2 mile or closer) of the project? ☐ Yes ☒ No

Historic and Archeological Information

1. Please describe the historic use of the property: Vacant land
2. Are you aware of the presence of any historic, cultural or archaeological materials on the project site or in the vicinity? ☒ Yes ☐ No
If yes, please describe: Post Civil-War burial site, roughly 50 sq ft, will not be disturbed by project
3. Has an archaeological surface survey been done for the project site? ☐ Yes ☒ No
If yes, please include two copies of the report with the application.

Commercial/Industrial Project Information

Only complete this section if you are proposing a commercial or industrial project or zoning change.

1. Days of Operation: 7 days per week Hours of Operation: 6am to 8pm
2. How many people will this project employ? 3 year round, 14 for 2 weeks/year
3. Will employees work in shifts? ☒ Yes ☐ No
If yes, please identify the shift times and number of employees for each shift Shifts timed to avoid rush hour traffic identified by CAL FIRE. 6am-2:30pm and 2-8pm. Number per shift depends on time of year.
4. Will this project produce any emissions (i.e., gasses, smoke, dust, odors, fumes, vapors)?
☒ Yes ☐ No If yes, please explain: Odors from cultivation
5. Will this project increase the noise level in the immediate vicinity? ☒ Yes ☐ No only 2 wks/yr
If yes, please explain: The noise will not exceed that of lawn mower for 2 wk/yr, and should not disturb neighbors (If loud equipment is proposed, please submit manufacturers estimate on noise output.)
6. What type of industrial waste materials will result from the project? Explain in detail: None, all grow materials are organic and are not categorized as industrial waste.
7. Will hazardous products be used or stored on-site? ☐ Yes ☒ No
If yes, please describe in detail: _____
8. Has a traffic study been prepared? ☒ Yes ☐ No If yes, please attach a copy.
9. Please estimate the number of employees, customers and other project-related traffic trips to or from the project: Between 7:00 - 9:00 a.m. 3 Between 4:00 to 6:00 p.m. 3
(due to shifts being scheduled outside of these hours)

10. Are you proposing any special measures (carpooling, public transit, telecommuting) to reduce automobile trips by employees ☒ Yes ☐ No
If yes, please specify what you are proposing: car pooling, some employees living on-site during harvest season
11. Are you aware of any potentially problematic roadway conditions that may exist or result from the proposed project, such as poor sight distance at access points, connecting with the public road?
☐ Yes ☒ No If yes, please describe: _____

Agricultural Information

Only complete this section if your site is: 1) Within the Agricultural land use category, or 2) currently in agricultural production.

1. Is the site currently in Agricultural Preserve (Williamson Act)? ☐ Yes ☒ No
2. If yes, is the site currently under land conservation contract? ☐ Yes ☒ No
3. If your land is currently vacant or in agricultural production, are there any restrictions on the crop productivity of the land? That is, are there any reasons (i.e., poor soil, steep slopes) the land cannot support a profitable agricultural crop? Please explain in detail: No restrictions exist.

Special Project Information

1. Describe any amenities included in the project, such as park areas, open spaces, common recreation facilities, etc. (these also need to be shown on your site plan): Not applicable
2. Will the development occur in phases? ☒ Yes ☐ No
If yes describe: Dust mitigation measures will be implemented after the rainy season
3. Do you have any plans for future additions, expansion or further activity related to or connected with this proposal? ☒ Yes ☐ No If yes, explain: Expansion is desired given the acreage of the property, but is contingent on laws and performance within the first few years. No plans in immediate future.
4. Are there any proposed or existing deed restrictions? ☒ Yes ☐ No
If yes, please describe: Easement for CAL FIRE

Energy Conservation Information

1. Describe any special energy conservation measures or building materials that will be incorporated into your project *: Energy use is expected to be minimal. To be explored further for expansion

*The county's Building Energy Efficient Structures (BEES) program can reduce your construction permit fees. Your building must exceed the California State Energy Standards (Title 24) in order to qualify for this program. If you are interested in more information, please contact the Building Services Division of the Department of Planning and Building at (805) 781-5600.

Environmental Information

1. List any mitigation measures that you propose to lessen the impacts associated with your project:
None of the materials used will be hazardous, but containment fail safes and absorbent materials will be used to absorb any nutrients and neem oil. Biological waste will be composted on site. Propagation will use hydroponics and the cultivation site will take advantage of drip irrigation, drip tape, spaghetti spigots and rain catchments.
2. Are you aware of any unique, rare or endangered species (vegetation or wildlife) associated with the project site? ☐ Yes ☒ No
If yes, please list: _____

3. Are you aware of any previous environmental determinations for all or portions of this property?

☐ Yes ☒ No

If yes, please describe and provide "ED" number(s): _____

Other Related Permits

1. List all permits, licenses or government approvals that will be required for your project (federal, state and local): county building permit, land use permit for cultivation, state cannabis cultivation license

(If you are unsure if additional permits are required from other agencies, please ask a member of the Planning Department staff currently assigned to the project)



COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PLANNING & BUILDING
CANNABIS APPLICATION SUPPLEMENT

PLN-2018
12/8/2017

The following information is required in addition to the Land Use Permit Application.

Cannabis Activities Proposed

- | | | |
|---|-------------------------------------|---|
| <input checked="" type="checkbox"/> Cultivation | <input type="checkbox"/> Nursery | <input type="checkbox"/> Manufacturing Facility |
| <input type="checkbox"/> Testing Facility | <input type="checkbox"/> Dispensary | <input type="checkbox"/> Distribution Facility |

For Cultivation and Nurseries ONLY

Approved Cooperative/Collective Registration number. *Note: If you do not hold an approved cooperative/collective registration, you cannot apply for cultivation until 2019.*

Approved registration number: CCM2016- 00176

What is the applicant on the approved registration? *Note: The applicant name on the registration must match the applicant name on the land use permit.*

Name of applicant: Kaelan Clark (previously Sandra Speers)

Are you planning on cultivating on the same site that a registration was approved for?

- ☐ Yes ☒ No

What type of State cultivation license are you seeking?

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Type 1 | <input type="checkbox"/> Type 2 | <input checked="" type="checkbox"/> Type 3 | <input type="checkbox"/> Type 4 |
| <input type="checkbox"/> Type 5 | <input type="checkbox"/> Microbusiness | <input type="checkbox"/> Indoor | <input checked="" type="checkbox"/> Outdoor |
| <input checked="" type="checkbox"/> Mixed-light | | | |

Designate the total square footage of your cultivation canopy area(s). This is not necessarily the maximum canopy size allowed by the tier of license for which you are applying, but the amount of canopy area you intend to produce. If you intend to have multiple canopy area locations, include only the total square footage of the total canopy.

65,340 sq ft.

Check one or more of the following that apply and attach a detailed diagram of your designated canopy area. Include specific dimensions, in feet and inches, in the diagram. If you have only a single canopy area, clearly indicate that. If you are designating multiple canopy areas, clearly identify the square footage and dimensions of each area and how it is separated from other canopy areas. Note that if you are designating multiple canopy areas you must separate each area by a physical boundary such as an interior wall. Vertically stacked canopy areas must be identified as such in the detailed diagram submitted by applicants.

I have designated the specific area and dimensions of my newly designated canopy area(s):

CANNABIS APPLICATION SUPPLEMENT

- ☒ On my floor plan submitted with the application
☐ On an additional document submitted with my application

Record your estimates of electrical usage in kilowatt-hours (kWh). To determine how many kWh a piece of equipment uses, take the following steps:

- Determine the wattage of the device by checking manufacturer specifications
- Multiply this number by the number of hours each month the device will be in use to determine watt-hours.
- Divide each month's watt-hours by 1,000 to determine kWh. Round to three decimal places.
- Repeat this for each piece of equipment and the total amounts for each month.
- Estimates should assume the business is in full production for each month.

Describe all sources of electrical power and the total annual kWh expected to be drawn from each. For example, if the operation uses on-site power generation from a source such as solar panels, document the amount of power you expect to use from that source in addition to any other sources.

Source or utility name	Expected kWh drawn annually
PG&E	80kWh
Total Annual kWh:	80kWh

Clearly identify the measurement unit you are using to estimate or report your water usage. If you are using multiple units, you may use additional columns to record that information. If you are using reclaimed water, identify that as a source. If you are utilizing more sources of water than may be included on this form, you may include that information on a separate page submitted with this application.

Estimate the total water used in the production of marijuana by month. If recording estimates for multiple sources, estimate these amounts separately.

Source	Wells		
Month and Year			
1	when	8,000	
2	operations are	10,000	
3	allowed to	13,000	
4	begin - 2019?	18,000	
5		20,000	
6		200,000	
7		20,000	
8		25,000	
9		38,000	
10		200,000	
11		20,000	
12		20,000	
Totals		592,000	

CANNABIS APPLICATION SUPPLEMENT

Do you plan on using pesticides?

☒ Yes ☐ No

List of pesticides anticipated to be used: Neem oil, garlic oil, rosemary oil, sulfur, predatory insects, and other organic compounds approved by the state, depending on needs of the plants

For Manufacturing ONLY

What type of State manufacturing license are you seeking? *Note: Volatile manufacturing is prohibited.*

☐ Type 6 ☐ Type 7 ☐ Type N ☐ Type P
☐ Microbusiness

What type of products do you plan on manufacturing?

☐ Oils ☐ Edibles ☐ Topicals ☐ Other _____

Will the facility be utilizing a closed-loop extraction system?

☐ Yes ☐ No

(If extracting) What types of extraction will you be performing?

☐ Butane ☐ Propane ☐ Hexane ☐ Carbon Dioxide
☐ Ethanol ☐ Mechanical ☐ None
☐ Other _____

For Distribution ONLY

What type of State distribution license are you seeking?

☐ Type 11 ☐ Type 11 – Transport Only

Will you be operating a storage-only business?

☐ Yes ☐ No

How many vehicles do you anticipate transporting/distributing product?

☐ 1-5 ☐ 6-10 ☐ 11+ ☐ N/A Storage Only/Other

CANNABIS APPLICATION SUPPLEMENT

For Dispensaries ONLY

What type of State dispensary license are you seeking? *Note: Dispensaries are not allowed to have storefronts open to the public.*

☐ Type 9 – non-storefront dispensary ☐ Type 10 ☐ Microbusiness

Will you be delivering to other jurisdictions?

☐ Yes ☐ No

How many vehicles do you anticipate delivering product?

☐ 1-5 ☐ 6-10 ☐ 11+ ☐ N/A Storage Only/Other

How many deliveries per day do you anticipate delivering product?

☐ <10 ☐ 11-50 ☐ 51-100 ☐ >100 ☐ N/A Storage Only/Other

Calavera-Gold, LLC.

Operations Plan

San Luis Obispo County

Security Plan

Security Features:

Security Office, Cameras, Security Personnel, Fencing, Gates, Natural Barriers

1. **Security Office**
 - 1.1. 50x12 lockable Security office
 - 1.2. 4 monitor interface
2. **Cameras**
 - 2.1. 10 closed-circuit cameras will provide coverage of key areas as seen on site plan
 - 2.2. All cameras linked to Security Office
 - 2.3. Premises monitored ~~24/7~~
3. **Security Personnel**
 - 3.1. Onsite during typical business hours
 - 3.2. Round the clock security detail during harvest
 - 3.3. Stationed in the Security Office
 - 3.4. ~~Patrol premises regularly~~
4. **Fencing**
 - 4.1. 8 foot tall chain-link fence surrounding cultivation site
 - 4.2. 6 foot tall chain-link fence surrounding grave site
5. **Gates**
 - 5.1. Cultivation site
 - 5.2. Vehicular & Pedestrian gate to access main parcel
6. **Natural Barriers**
 - 6.1. The operation is cancelled by large surrounding hills
 - 6.2. The cultivation will **NOT** be visible from public road
 - 6.3. Ownership of surrounding property prevents operation from disturbing residents

Hoop-House Odor Management Plan

Proper ventilation will be ensured to allow extensive airflow to prevent stagnant odor build-up. If the odor becomes an issue with staff, the team will explore carbon filtration and other options.

Sign Information

In an effort to keep the premises discrete, no signs will be posted outside of the project site that indicates our presence. Only informational, safety, and instructional signs will be kept within the cultivation and office areas, per county and state regulations.

Parking Plan

The Calavera-Gold team will have sufficient parking, including an ADA-compliant paved parking spot, to accommodate all vehicles and trucks that require access to the project site. Although parking will be designed to allow for one parking spot per employee during the peak season, we will encourage employees will carpool when possible. For more detailed information, please refer to the civil engineering reports.

Employee Safety and Training Plan

Safety Plan:

In order to protect the organization from costly non-compliance penalties, stabilize worker's compensation costs, enhance productivity, and reduce turnover, a sound safety plan is absolutely required. We will develop the safety plan by writing a safety program manual tailored to the organization's needs, and provide safety trainings.

Training:

Calavera-Gold, LLC. will provide training upon hire as well as annually to each employee including but not limited to:

- Health, safety, and sanitation standards as required by the county and state
- Security procedures
- Prohibitions and enforcement
- Confidentiality and all other provisions that apply to the individual's scope of employment

Statement of Neighborhood Compatibility

Calavera-Gold, LLC. will respond to any reasonable complaint immediately to the complainant. Reasonable complaints will be responded to with a proposed solution, and within 10 days or as requested by the county depending on the severity and impact of the issue. All neighbor communications will be maintained as part of the company record.

The intent is one of mutual respect between neighbors; to avoid adversarial positions, to treat others as one would like to be treated; to keep an open mind; and be willing to cooperate with neighbors with a goal of creating a safe and healthy neighborhood environment.

- Introduction meetings with surrounding residents
- Open feedback channels so any new concerns can be immediately addressed through our website, telephone, or E-mail
- Complete compliance with all state and local ordinances
- Non-obtrusive business practices that ensure our business is discrete and operates like any other business
- No blatant signage with offensive symbols or verbiage
- Unmarked transportation vehicles

Waste Management Plan

Waste will predominantly be compostable agriculture waste, which will be managed on-site.

There will be no hazardous waste disposal, as no hazardous compounds will be used at the premises. Calavera-Gold pledges to grow products organically. We have contracted with a solid waste disposal service to remove items that cannot be composted. For more detailed information, please refer to the civil engineering reports.

**TJKM**

VISION THAT MOVES YOUR COMMUNITY

TECHNICAL MEMORANDUM

Date: December 07, 2018

To: Mr. Clark
Calavera-Gold
Email: calaveragold@gmail.com

From: Chris Kinzel
Vice President

Jurisdiction: San Luis Obispo,
California

Subject: **Trip Generation for Cannabis Cultivation Use at 9580 and 9670 Golden Pond way in San Luis Obispo, California**

The purpose of this memorandum is to evaluate trip generation for the proposed cannabis cultivation facility located at 9580 and 9670 Golden Pond way in San Luis Obispo, California. As per the information provided the proposed cultivation site will be about 1.5 acres. The proposed project will be used for cannabis cultivation, with a maximum of three employees on a daily basis and up to 14 in the first year (during harvest season a few weeks out of the year).

TRIP GENERATION

Project trips were estimated based on information provided by the project applicant. Based on the employee's information provided, the proposed project will be used for cannabis cultivation, with a maximum of three employees on a daily basis and up to 14 in the first year (during harvest season a few weeks out of the year).

TJKM estimated the project trips for the morning and afternoon peak hours of adjacent street traffic, during the peak periods of 7-9 a.m. and 4-6 p.m. considering maximum of 14 employees on site. Based on maximum of 14 employees, the proposed project is expected to generate 14 a maximum of 14 inbound trips in the a.m. peak hour and 14 outbound trips in the p.m. peak hour, which are expected to create a negligible impact on traffic. The proposed project would operate primarily between 8 a.m. and 6 p.m., with up to 14 employees on site during the harvest season day and minimal truck visits per week.

PLEASANTON ♦ SAN JOSE ♦ SANTA ROSA ♦ SACRAMENTO ♦ FRESNO

Corporate Office: 4305 Hacienda Drive, Suite 550, Pleasanton, CA 94588

Phone: 925.463.0611 Fax: 925.463.3690 www.TJKM.com

DBE #40772 ♦ SBE #38780

Referral -- Page 17 of 53

WATER MANAGEMENT PLAN

Calavera Gold

12/21/2018

Prepared For:

Kaelan Clark

Prepared By:



WALSHENGINEERING.NET (805) 319-4948

979 OSOS ST, SUITE F-4 SAN LUIS OBISPO, CA 93401

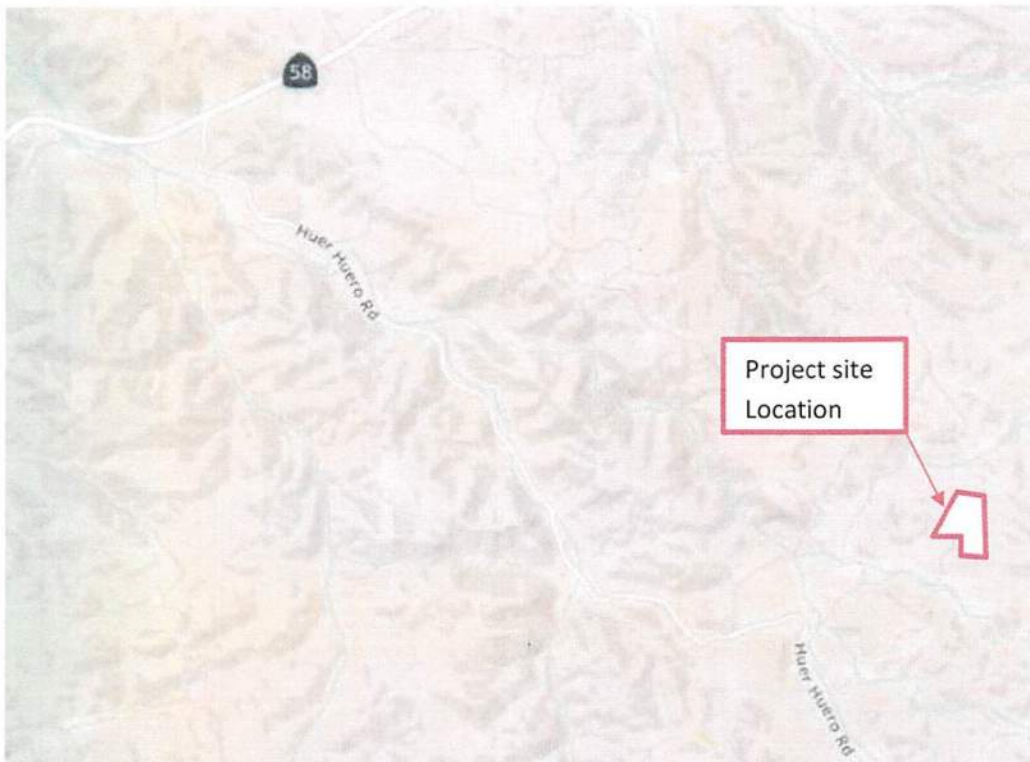
1. Introduction and Project Description

The Calavera Gold project is a proposed project within the County of San Luis Obispo, California. The project site is located off Huer Huero Road East of Santa Margarita (see Location Map below). Additional background information pertaining to the project site is listed below:

- APN: 070-182-035 & 070-183-011
- Zoning: Rural Lands
- Gross Area: 19 & 147 ACRE parcels

The Project will consist of 1 ACRES of Outdoor grow and 22,000 SF of Green house grow operations. The access road into and on the property will be improved to meet CalFire standards.

2. Location Map and Description



The project site is located Northeast of Huer Huero Road. Taking the 58 East out of Santa Margarita and South on Huer Huero Road the turn off to the access road is approximately 2.5 miles from Hwy 58 and Huer Huero Road intersection.

3. Water Demands

There are three main uses of water demand in a given day. These are plant demands for growing, human consumption for employees, and fire water availability in case of emergency. The growing operation starts with the propagation phase where the plants will go through two different water demands lasting 4 weeks (propagation phase 1 & 2 below). Next the plants will enter the transplant phases listed below for 4 more weeks (transplant phase 1&2). Finally the plants will be divided and placed in either the Green House Grow area(22,000SF:5,000 plant max) or in the Outdoor Grow area(1AC:30,000 plant max). Estimated demands for each type of use are provided below.

Domestic Water use: 30 GAL/Employee Per day

Plant Water use:

Propagating Phase 1: Demand 1 GAL per 200 plants every 5 days for 3 weeks. (0.001GAL/day/plant)

Propagating Phase 2: Demand 2 GAL per 200 plants every 5 days for 1 week. (0.002GAL/day/plant)

Transplant Phase 1: Demand 1 GAL per 10 plants every 5 days for 2 weeks. (0.02GAL/day/plant)

Transplant Phase 2: Demand 1.5 GAL per 10 plants every 5 days for 2 weeks. (0.03GAL/day/plant)

Green House Grow Phase 1: Demand 1 GAL per 2 plants every 5 days for 2 months. (0.1GAL/day/plant)

Green House Grow Phase 2: Demand 1 GAL per plant every 5 days for 1 month or until harvest.

(0.2GAL/day/plant)*highest water demand of plant in Green House growth cycle.

Outdoor Grow Phase 1: Demand 1-1.5 gallons per plant every 4 days for 1.5 months.(0.38GAL/day/plant)

Outdoor Grow Phase 2: Demand 2-2.5 gallons per plant every 4 days for 1.5 months or until harvest.

(0.63GAL/day/plant)*highest water demand of plant in Outdoor Grow growth cycle.

Peak dry weather demands: Additional water on top of rates listed above 60,000 GAL/ month.
(2000 GAL/day)

Fire Water use:

CalFire requires 2500 GAL of water in storage for emergency use.

4. Water Supply

The Site is supplied by two wells located on the 19 ACRE parcel of land which pump to an existing 5,000 GAL water tank. One well is estimated to produce 10 GPM and the other at 18 GPM. This will give the project a total of 28 GPM being pumped to the water storage tanks. The proposed design incorporates two new 5,000 GAL tanks to the project. This gives the project an overall storage capacity of 15,000 GAL (3 tanks).

5. Water Analysis

Domestic Water use:

The max employee count per day will be 14 people this multiplied by 30 GAL per day per person gives us 420 GAL of water needed for employees everyday.

Plant Water use:

Assuming the Green House Grow and Outdoor Grow are full of plants in their peak water usage for full grown plants. This would be the Green House Grow Phase 2 and the Outdoor Grow Phase 2 in the field during the peak water demand during summer. One acre planted will contain 30,000 plants and 22,000 SF of green houses can hold 5,000 plants. The highest daily water consumption for the plants in the field occur in Outdoor Grow Phase 2 this is 0.63GAL/day/plant assuming the plants are fed by a continuous drip irrigation method. The highest daily consumption for plants in the green houses occurs in Green House Phase 2 were 0.2 GAL/day/plant is demanded. The farm will need 21,900 GAL of water per day for the growing operation this is worked out in the table provided to the right. This gives us a total of 22,320 GAL used per day or 930 GPH and 15.5 GPM. The wells can produce 28 GPM or 1,680 GPH over one day the wells can produce 40,320 GAL/day. The wells will be able to meet the demands of the plant and personnel on site in a peak demand situation.

Peak Plant Water Demand:	
Green House Grow:	
Green House Grow Phase 2	0.2 GAL/day/plant
Plant Count	5,000 plants
Outdoor Grow:	
Outdoor Grow Phase 2	0.63 GAL/day/plant
Plant Count	30,000 plants
Peak Demand:	
peak dry conditions:	2,000 gal/day
Green House Grow demand:	1000 gal/day
Outdoor Grow demand:	18900 gal/day
Total Farming demand:	21900 gal/day

Fire Water use:

CalFire requires 2500 GAL of water in storage for emergency use.

6. Offset Measures

There are no offset measures proposed at this time.

7. Conclusions

Based upon the contents of this report, 22,320 GAL of water are needed in peak water demand and 40,320 GAL can be supplied by the wells onsite. CalFire requires 2,500 GAL of storage in the tanks emergency usage. The Project will start its day with 3 full tanks each holding 5,000 GAL of water. Totaling 15,000 GAL of water for fire storage, domestic, and plant use. During the day two wells pumping a total of 28 GPM will be feeding the water tanks. The flow rate being pumped into the tanks is 28 GPM from the two wells and the flow rate being gravity feed out of the tanks for plant and domestic use is on average 15.5 GPM. The wells will be able to meet the demands of the employees and plants onsite in a peak demand situation. Given the supply available is two times the estimated demand, the tanks will remain full and water will be stored for CalFire use at all times.



Parcel Information

APN: 070-183-011

Assessee: GILPIN EDWARD S TRE ETAL

Care Of:

Address: 10171 FALCON AVE FOUNTAIN VALLEY
CA 92708

Description: T29S R14E SE1/4 SEC 3

Site Address:
00000 BLUE RIDGE RD

Tax Rate Area Code: 054060

Estimated Acres: 135.03

Community Code: NCLPIL

Supervisor District: Supdist 5

Avg Percent Slope: 22



Selected Parcel

Land Use Information

Land Uses Combining Designations

RL	
----	--



Parcel location within San Luis Obispo County

Permit Information

Permit	Description	Application Date
PRE2018-00053	Pre-Application	4/24/2018 11:05:39 AM
PRE2005-00256	Pre-Application	6/27/2006 11:32:42 AM
PRE2004-00050	Pre-Application	8/13/2004 12:00:00 AM
A9336	PMTR - Residential Permit	3/3/2000 12:00:00 AM
PMT2002-18567	PMTR - Residential Permit	4/26/1990 12:00:00 AM



Parcel Summary Report


APN: 070-183-011

PMT2002-18831	PMTR - Residential Permit	3/30/1990 12:00:00 AM
PMT2002-18568	PMTR - Residential Permit	3/21/1990 12:00:00 AM
PMT2002-18366	PMTR - Residential Permit	3/12/1990 12:00:00 AM

Interactive Data Viewer



Legend

 SLO County Parcels

-1,504.66 0 752.33 1,504.66 Feet 1: 9,028

WGS_1984_Web_Mercator_Auxiliary_Sphere
 © County of San Luis Obispo Planning and Building Department



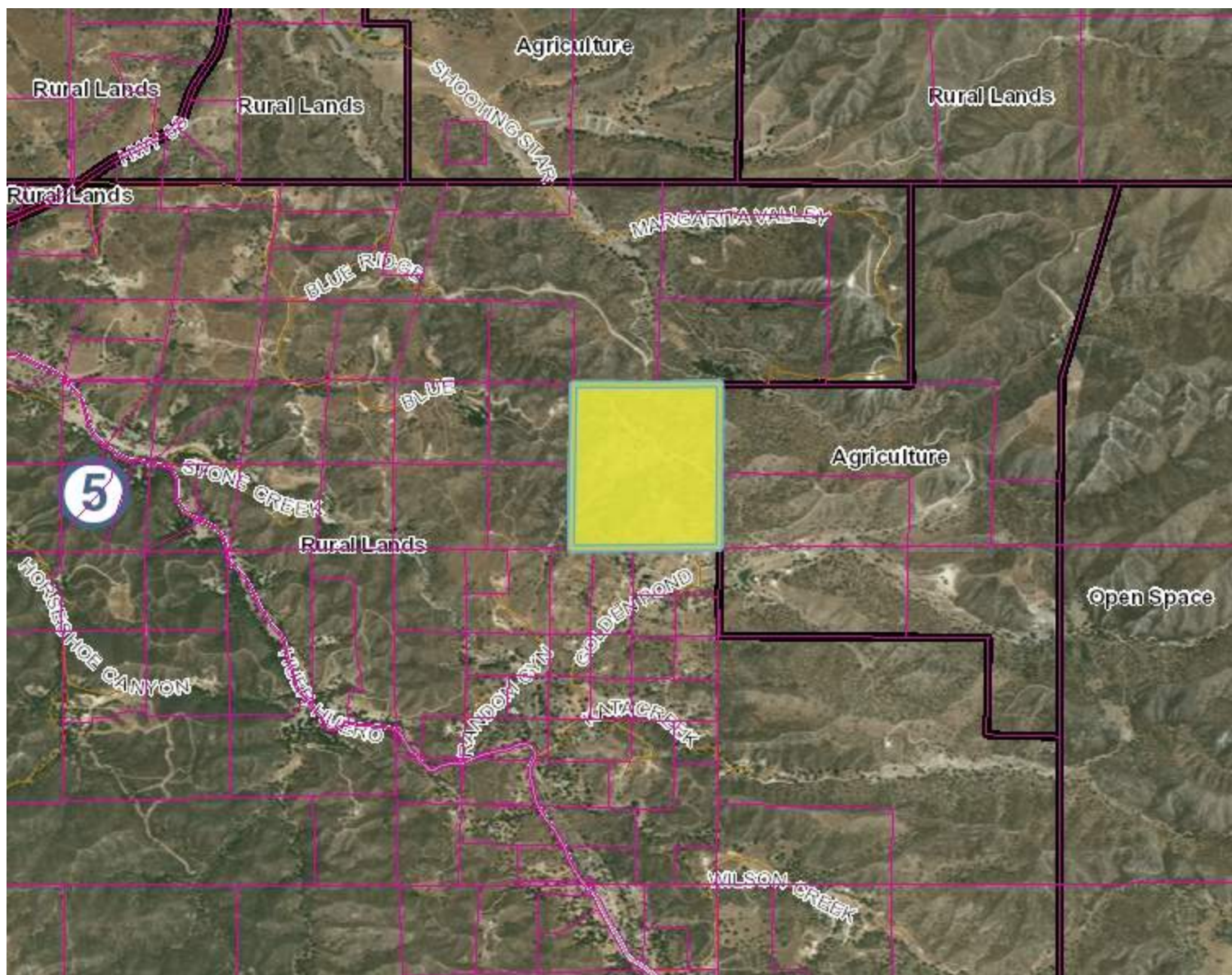
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Map for Reference Purposes Only










Referral -- Page 24 of 53

Interactive Data Viewer



Legend

-  SLO County Parcels
- Roads**
 -  CalTrans
 -  Maintained by SLO CO
 -  Private Maintenance
 -  Federal or State Maintenance
-  Supervisor Districts
-  Land Use Outlines

-6,018.65 0 3,009.33 6,018.65 Feet 1: 36,112

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 © County of San Luis Obispo Planning and Building Department

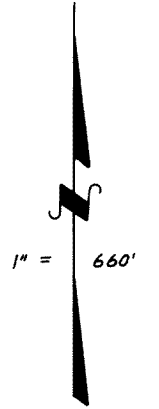
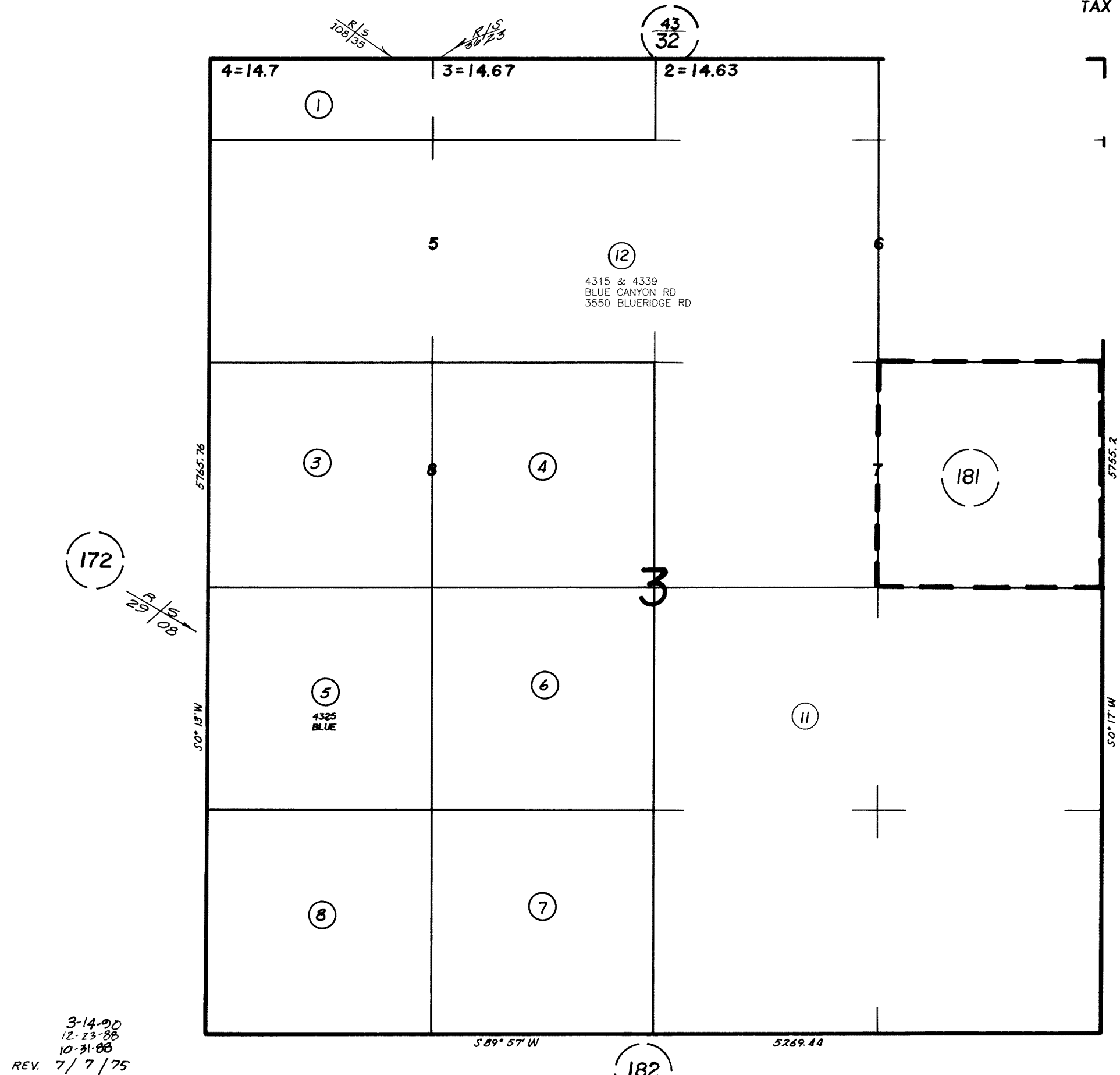


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 caused by errors or omissions in the data and makes no warranty of any kind,
 express or implied, that these data are accurate and reliable.

Map for Reference Purposes Only



Referral -- Page 25 of 53



THIS MAP IS PREPARED FOR ASSESSMENT PURPOSES ONLY

3-14-00
12-23-88
10-31-88
REV. 7/7/75

NOTE—ASSESSOR'S BLOCK & LOT NUMBERS SHOW IN CIRCLES

SEC. 3 T.29S. R.14E M.D.M.
SAN LUIS OBISPO COUNTY
CALIFORNIA

Referral -- Page 26 of 53

ABBREVIATIONS			
±	PLUS OR MINUS	JT	JOINT TRENCH UTILITIES
()	EXISTING ELEVATION	LF	LINEAL FEET
AG	AGGREGATE BASE	MAX	MAXIMUM
AC	ASPHALT CONCRETE	MEP	MECHANICAL ELECTRICAL PLUMBING
BC	BEGINNING OF CURVE	MH	MANHOLE
BVC	BEGINNING OF VERTICAL CURVE	MIN	MINIMUM
BFE	BASE FLOOD ELEVATION	NTS	NOT TO SCALE
BLD	BUILDING	OH	OVERHEAD UTILITY
BO	BLOW-OFF ASSEMBLY	OR	OVERLAND RELEASE FOR DRAINAGE
BOW	BACK OF WALK	P	PROPERTY LINE
CO	CLEANOUT	PUE	PUBLIC UTILITY EASEMENT
CL	CENTERLINE	PVC	POLYVINYL CHLORIDE PIPE
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
DW	DOMESTIC WATER SERVICE	ROW	RIGHT OF WAY
EC	END OF CURVE	SD	STORM DRAIN
EVC	END OF VERTICAL CURVE	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	STA	STATION
EX	EXISTING	STD	STANDARD
FF	FINISH FLOOR	TC	TOP OF CURB
FG	FINISH GRADE	TF	TOP OF FOOTING
FH	FIRE HYDRANT	TG	TOP OF GRATE
FS	FINISH SURFACE	TW	TOP OF WALL
FL	FLOW LINE	TYP	TYPICAL
FW	FIRE WATER SERVICE	UNO	UNLESS NOTED OTHERWISE
GB	GRADE BREAK	VC	VERTICAL CURVE
HP	HIGH POINT	VCP	VITRIFIED CLAY PIPE
HWM	HIGH WATER MARK	W	WATER SERVICE
INV	INVERT	WR	RECLAIMED WATER SERVICE
IRR	IRRIGATION		

ANNOTATION LEGEND

	NOTE	GENERAL NOTE
	STORM DRAIN KEY NOTE/GENERAL KEY NOTE	
	WATER KEY NOTE	
	SANITARY SEWER KEY NOTE	
	REVISION TO PLAN	
	DETAIL CALLOUT (TOP=DETAIL NO./BTM.=SHEET NO.)	
	SECTION CALLOUT (TOP=SECTION NO./BTM.=SHEET NO.)	
	ELEVATION GRADE CALLOUT (PROPOSED)	
	ELEVATION GRADE CALLOUT (MATCH EXISTING)	
	BUILDING FINISH FLOOR ELEVATION/PAD ELEVATION	
	DIRECTION OF FLOW/SLOPE	
	UTILITY INVERT (SIZE, DIRECTION, ELEVATION)	
	DIMENSION	

GENERAL LEGEND

	EXISTING/PROPOSED CENTERLINE (CL)
	EXISTING PROPERTY LINE (EX. PL)
	PROPOSED PROPERTY LINE (PL)
	PROPOSED SETBACK LINE
	EXISTING/PROPOSED EASEMENT
	PROPOSED SAWCUT
	GUTTER FLOWLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SLOTTED CURB
	PROPOSED RETAINING WALL. HEIGHT PER PLAN.
	PROPOSED CONCRETE PAVEMENT/HARDSCAPE
	PROPOSED ASPHALT CONCRETE PAVEMENT
	PROPOSED GRAVEL
	PROPOSED PERVIOUS PAVEMENT

GRADING LEGEND

	GRADE BREAK
	DAYLIGHT OF GRADING LIMITS (CUT/FILL LINE)
	SWALE
	CONTOUR MAJOR
	CONTOUR MINOR
	DEEPEMED FOOTING. HEIGHT PER PLAN.
	TOE OF SLOPE

STORM DRAIN LEGEND:

	STORM DRAIN PIPE LENGTH, SIZE AND SLOPE (SD)
	LIMIT OF TRIBUTARY AREA FOR STORMWATER BMP'S
	PROPOSED SLOT/TRENCH DRAIN
	PROPOSED BIO RETENTION BASIN
	ENERGY DISSIPATOR
	HEADWALL/ENDWALL
	FLARED END SECTION
	DROP INLET
	MANHOLE
	CLEANOUT

REPORTS REQUIRED

1. WATER MANAGEMENT PLAN

SCOPE OF WORK

CONSTRUCT PARKING LOT, GRADE SITE AREA, INSTALL PRIVATE UTILITIES, PLACEMENT OF TWO PRE-MANUFACTURED OFFICES, WIDEN SHARED DRIVEWAY TO MEET CALFIRE REQUIREMENTS, AND INSTALL EROSION CONTROL BMP'S.

PRE-CONSTRUCTION MEETING

A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE INSPECTOR TO REVIEW THE EROSION CONTROL PLAN AND REPORTS REQUIRED.

STORMWATER POLLUTION PREVENTION

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIRED FOR SITES WITH 1 OR MORE ACRES OF DISTURBED SURFACE.

GRADING QUANTITIES

A. ESTIMATED EARTHWORK QUANTITIES:		
CUT	FILL	NET
3000 CY	2500 CY	500 CY (CUT)

*ASSUMED SHRINK VALUE OF 25%, SHRINK QUANTITY ADDED TO THE FILL QUANTITY ABOVE.
*EXCESS SOIL WILL REMAIN ONSITE DEPOSITED IN AN AREA WITH IN THE DISTURBED AREA FOOTPRINT.

NOTE: THE CUT AND FILL QUANTITIES SHOWN ABOVE ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR SHALL, AFTER EXAMINING THE GRADING PLAN, SOILS REPORT AND TERRAIN, PREPARE HIS/HER ESTIMATE INDEPENDENTLY OF THE ENGINEER'S ESTIMATE.

B. AREA OF DISTURBANCE: SF (INCLUDES DRIVEWAY/ROAD IMPROVEMENTS, BUILDING AND STRUCTURES, UTILITIES, STOCKPILE AREAS, CONCRETE WASH OUT, STAGING AREA, DEMOLITION AREA, AND MATERIAL AND WASTED STORAGE AREAS.

SANITARY SEWER LEGEND:

	SANITARY SEWER PIPE LENGTH, SIZE AND SLOPE (SS)
	SANITARY SEWER MANHOLE (SSMH)
	SANITARY SEWER CLEANOUT TO GRADE (SSCO)

WATER LEGEND:

	DOMESTIC WATER SERVICE AND SIZE (DW)
	FIRE WATER SERVICE AND SIZE (FW)
	GATE VALVE
	FIRE HYDRANT (FH)
	POST INDICATOR VALVE (PIV)
	FIRE DEPARTMENT CONNECTION (FDC)
	BACKFLOW DEVICE FOR FIRE SERVICE (RPZ OR DOC)
	BACKFLOW DEVICE FOR DOMESTIC SERVICE (RPZ)
	DOMESTIC WATER METER
	IRRIGATION METER (DESIGN BY OTHERS)

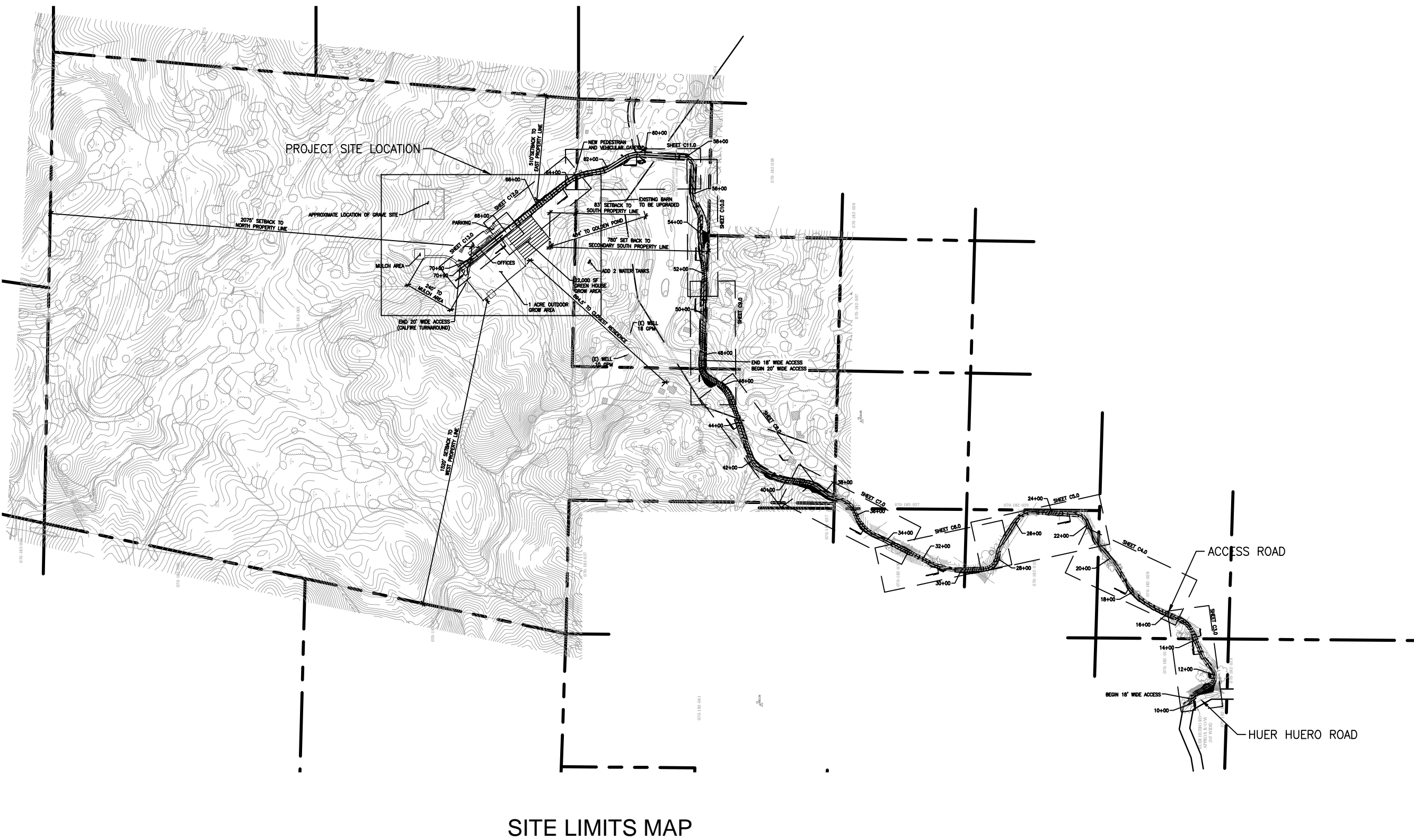
DRY UTILITY LEGEND:

	DRY UTILITY SERVICE
	PROPOSED PULL BOX
	PROPOSED STREET LIGHT
	PROPOSED SITE LIGHT

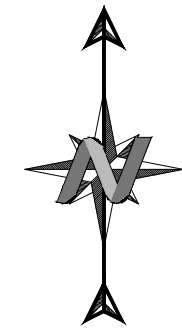
IMPROVEMENT PLANS FOR CALAVERA GOLD

GOLDEN POND WAY CRESTON, CA 93432

APN: 070-183-011 & 070-182-035



SITE LIMITS MAP



VICINITY MAP



APPLICABLE CODES

- 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC)
PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2016 CALIFORNIA BUILDING CODE (CBC)
PART 2, TITLE 24, CCR
2016 CALIFORNIA PLUMBING CODE (CPC)
PART 5, TITLE 24, CCR
2016 CALIFORNIA FIRE CODE (CFC)
PART 9, TITLE 24, CCR

ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE APPLICABLE STANDARDS OF THE CODE SECTIONS REFERENCED ABOVE, AND ANY OTHER APPLICABLE STATE AND LOCAL GOVERNING AGENCY ORDINANCES, LAWS, RULES, REGULATIONS, AND PROJECT CONDITIONS OF APPROVAL.

NOTHING IN THESE DRAWINGS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES, STANDARDS, OR PROJECT REQUIREMENTS.

STANDARDS

THE IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE STANDARD DRAWINGS AND SPECIFICATIONS LISTED BELOW. IN THE EVENT OF A DISCREPANCY BETWEEN THESE PLANS AND THE STANDARD DRAWINGS AND SPECIFICATIONS, THE GOVERNING ORDER OF PRECEDENCE SHALL BE AS FOLLOWS:

1. STATE STANDARD PLANS AND SPECIFICATIONS (CALTRANS)
2. COUNTY OF SAN LUIS OBISPO STANDARD PLANS AND SPECIFICATIONS
3. STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (PWC)
4. IMPROVEMENT PLAN DRAWINGS AND SPECIFICATIONS BY WALSH ENGINEERING

SURVEY AND MAPPING

THE TOPOGRAPHIC SURVEY AND MAPPING INFORMATION, INCLUDING BUT NOT LIMITED TO EXISTING SURFACE FEATURES, PROPERTY LINES, RIGHT-OF-WAY, CENTERLINE, EASEMENTS, AND RECORD INFORMATION, SHOWN ON THESE IMPROVEMENT PLANS WERE PROVIDED BY THE SURVEY BELOW. A COPY WAS PROVIDED TO BY THE PROFESSIONAL LAND SURVEYOR OR OWNER UPON THE START OF OUR DESIGN. A COPY OF SAD SURVEY IS ON FILE WITH THE DESIGN ENGINEER. WALSH ENGINEERING ASSUMES NO RESPONSIBILITY FOR INCORRECT, INACCURATE OR INSUFFICIENT INFORMATION SUPPLIED TO US AT THE TIME OF PROJECT DESIGN OR PROJECT REVISIONS.

TITLE: "TOPOGRAPHY"
DATED: 11/2018

DAKOS LAND SURVEYS
7800 MORRO ROAD
ATASCADERO, CA 93422
(805)466-2445

BENCHMARK

THE BASIS OF ELEVATIONS FOR THIS SURVEY IS NAVD83, ACCORDING TO GPS OBSERVATION AND POST PROCESSING CALCULATION PROVIDED BY NATIONAL GEODETIC SURVEY OPUS SOFTWARE.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS GRID NORTH, CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 5, ACCORDING TO GPS OBSERVATION AND POST PROCESSING CALCULATION PROVIDED BY NATIONAL GEODETIC SURVEY OPUS SOFTWARE.

UNPLOTTABLE ACCESS EASEMENT(S)

THE PRELIMINARY TITLE REPORTS PROVIDED FOR THE SUBJECT PARCELS CONTAIN MULTIPLE NON-PLOTTABLE EASEMENTS. THE FOLLOWING DOCUMENTS APPEAR TO GRANT ACCESS RIGHTS FOR 20' WIDE AND/OR 50' WIDE EASEMENTS, BUT ARE UNPLOTTABLE:
1942/OR/409, 2303/OR/171, 2377/OR/171, DOC. 1994-55761

GEOTECHNICAL REPORT/LETTER

ANY PERMANENT PROPOSED STRUCTURES ON SITE WILL HAVE GEOTECHNICAL REPORT CONDUCTED.

AGENCY DIRECTORY

THE PERMITTING AGENCIES SHALL REVIEW THESE PLANS AND SPECIFICATIONS FOR COMPLIANCE WITH COUNTY ORDINANCES, STANDARDS, DESIGN CRITERIA, IMPROVEMENT REQUIREMENTS, AND PROJECT CONDITIONS OF APPROVAL. A COPY OF THE FINAL APPROVED PLANS HEREON SHALL BE PROVIDED TO THE DESIGN ENGINEER UPON APPROVAL AND STAMPS OR SIGNATURES OF THE PERMITTING AGENCIES.

STREET IMPROVEMENTS
COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION.
976 OSOS ST., ROOM 206
SAN LUIS OBISPO, CA 93408
(805) 781-5252

GAS
SOUTHERN CALIFORNIA GAS CO.

ELECTRIC
PG&E

CABLE/TELECOMM
COMCAST

WATER

PARCEL INFORMATION

OWNER: RITO GUTIERREZ

ADDRESS: GOLDEN POND WAY CRESTON, CA 93432

APN: 070-182-035 & 070-183-011

SIZE: 19.7 & 146.4 ACRES

ZONING: RL (RURAL LAND)

RITO GUTIERREZ

CALAVERA GOLD

GOLDEN POND WAY CRESTON, CA 93432



DESIGNED BY: DAP
DRAFTED BY: DAP
CHECKED BY: MRW
DATE: 12/21/2018

COVER SHEET

C0.0

SHEET

saved: 12/21/2018, plotted: 12/21/2018, path: s:\projects\eng\2018420_colorado_gold_mts\drawings\cover and notes.dwg

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE COUNTY AGENCY MOST RECENTLY ADOPTED EDITION OF THE STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS REQUIRED BY THE COUNTY AGENCY (SUCH AS ENCROACHMENT, GRADING, BUILDING, DEMOLITION ETC.) PRIOR TO COMMENCEMENT OF WORK.
3. AN ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY
4. CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
5. IF ANY CONTAMINATED MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, WORK MUST STOP UNTIL A WORK PLAN HAS BEEN APPROVED IN WRITING BY THE COUNTY FIRE DEPARTMENT AND THE STATE REGIONAL WATER QUALITY CONTROL BOARD.
6. ALL TRENCH SPOILS SHALL BE REMOVED AS THEY ARE GENERATED AND DISPOSED OF ON SITE PER THE GRADING PERMIT OR AT A SITE APPROVED BY A GRADING PERMIT FROM THE DEPARTMENT OF COMMUNITY DEVELOPMENT.
7. ALL UNDERGROUND IMPROVEMENTS INCLUDING SEWER LINES, WATER LINES, STORM DRAINS, PUBLIC UTILITY FACILITIES, AND SERVICES SHALL BE INSTALLED, TESTED, AND ACCEPTED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO PAVING.
8. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR 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 CONSTRUCTION CONTRACTOR FURTHER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THE DESIGN PROFESSIONAL AND THEIR CONSULTANTS, AND THE COUNTY AGENCY, AND EACH OF THEIR OFFICERS, EMPLOYEES, AND AGENTS 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 DESIGN PROFESSIONAL.
9. THE LOCATIONS OF UNDERGROUND OBSTRUCTIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THE PLANS MAY NOT INCLUDE ALL EXISTING UTILITIES AND THAT THE OWNER, THE COUNTY AGENCY AND DESIGN PROFESSIONAL ASSUME NO RESPONSIBILITY OF OBSTRUCTIONS WHICH MAY BE ENCOUNTERED.
10. THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITIES INCLUDING SEWERS AND STORM DRAINS PRIOR TO ANY TRENCHING TO ALLOW THE ENGINEER TO VERIFY THE GRADE AND ALIGNMENT OF THE UTILITIES, AND TO VERIFY DESIGN ASSUMPTIONS AND EXACT FIELD LOCATION. EXISTING UTILITIES MAY REQUIRE RELOCATION AND/OR PROPOSED IMPROVEMENTS MAY REQUIRE GRADE OR ALIGNMENT REVISION DUE TO FIELD CONDITIONS. THE ENGINEER WILL NOT MARK ANY GRADE STAKES UNTIL AFTER THE EXACT LOCATION OF ALL EXISTING UTILITIES HAS BEEN VERIFIED.
11. THE CONTRACTOR SHALL RECOGNIZE THAT UNDERGROUND FACILITIES NOT SHOWN AS CIVIL IMPROVEMENTS (PG&E, TELEPHONE, TV, IRRIGATION, ETC.) SHALL BE COORDINATED AND CONSTRUCTED PRIOR TO PLACEMENT OF BASE ROCK AND PAVING.
12. CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING SURVEY MONUMENTS (IRON PINS ON LOT LINES AND CORNER, CENTERLINE WELL DISKS, ETC.), WHICH CONTROL SUBDIVISIONS, TRACTS, BOUNDARIES, STREETS, HIGHWAYS, OR OTHER RIGHT-OF-WAY, EASEMENTS, OR PROVIDE SURVEY CONTROL WHICH WILL BE DISTURBED OR REMOVED DUE TO CONTRACTOR'S WORK. CONTRACTOR SHALL PROVIDE A MINIMUM OF 10 (TEN) WORKING DAYS NOTICE TO THE ENGINEER/SURVEYOR PRIOR TO DISTURBANCE OR REMOVAL OF EXISTING MONUMENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE OR DETERIORATION OCCURRING TO EXISTING PUBLIC IMPROVEMENTS AS A DIRECT RESULT OF CONSTRUCTION ACTIVITY RELATED TO CONSTRUCTION OF THE COMMON IMPROVEMENTS (GRADING, ROAD CONSTRUCTION, UTILITY INSTALLATION, ETC.). REQUIRED REPAIR MAY REQUIRE PATCHING, SEALING OR OVERLAYING AFFECTED AREAS AS APPROPRIATE TO RETURN THE ROADS TO AS GOOD A CONDITION AS THEY WERE PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACT PROUDENTLY IN A TIMELY MANNER, THE COUNTY MAY, AT ITS DISCRETION PERFORM THE CORRECTION AND CHARGE THE CONTRACTOR FOR ALL COSTS AND OVERHEAD INCURRED.
14. CONSTRUCTION SITE WASTE MANAGEMENT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR. THE CONSTRUCTION SITE MUST BE KEPT CLEAN AND FREE FROM NON-STORM WATER MATERIAL DISCHARGES, INCLUDING BUT NOT LIMITED TO SOLID WASTE SUCH AS PACKAGING MATERIALS, WOOD, PAPER, AND PLASTIC; SCRAP OR SURPLUS BUILDING MATERIALS SUCH AS METALS, RUBBER, PLASTIC, GLASS AND MASONRY PRODUCTS; DOMESTIC WASTES SUCH AS FOOD CONTAINERS, COFFEE CUPS, PAPER BAGS, AND CIGARETTES; CONSTRUCTION AND LANDSCAPING MATERIALS; AND HAZARDOUS WASTE SUCH AS PETROLEUM PRODUCTS, WOOD PRESERVATIVES, PAINTS, MORTARS, AND SOLVENTS. ANY ACTIVITY DURING CONSTRUCTION WHICH ACTUALLY AND/OR MAY POTENTIALLY RESULT IN THE DISCHARGE OF SUCH POLLUTANTS INTO THE COUNTY'S STORM WATER SYSTEM IS IN VIOLATION OF COUNTY AGENCY STORM WATER ORDINANCE AND STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD REGULATIONS. THE SITE SHALL REMAIN NEAT AND FREE FROM ANY SUCH POLLUTANTS. THE SITE MUST HAVE AN ADEQUATE NUMBER OF WATERIGHT CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER THE CONTAINER TO KEEP OUT RAIN OR TO PREVENT LOSS OF WASTE DUE TO WIND. THE CONTRACTOR MUST COLLECT SITE TRASH DAILY AND ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINER OVERFLOWS.
15. ADA AND TITLE 24 COMPLIANCE: CONSTRUCTION CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND TITLE 24 WHILE WORKING IN THE PUBLIC RIGHT-OF-WAY. IF CONSTRUCTION CONTRACTOR'S WORK IN THE PUBLIC RIGHT-OF-WAY WILL AFFECT PEDESTRIAN ACCESS, THE CONSTRUCTION CONTRACTOR IS REQUIRED TO PROVIDE A PROPERLY SIGNED ACCESSIBLE ROUTE OF TRAVEL. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. FAILURE TO COMPLY WITH THE ADA AND TITLE 24 CAN HAVE SERIOUS CONSEQUENCES FOR THE CONSTRUCTION CONTRACTOR. SUCH FAILURE MAY RESULT IN LAWSUITS FOR REGULATORY ACTIONS BY THE DEPARTMENT OF JUSTICE OR THE STATE ATTORNEY GENERAL.
16. IN THE EVENT THAT ANY REMAINS OF PREHISTORIC OR HISTORIC HUMAN ACTIVITIES ARE ENCOUNTERED DURING PROJECT-RELATED ACTIVITIES, WORK IN THE IMMEDIATE VICINITY OF THE FINDS SHALL HALT AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT SUPERINTENDENT AND THE COUNTY AGENCY INSPECTOR. WORK SHALL NOT RESUME UNTIL A QUALIFIED ARCHAEOLOGIST OR HISTORIC ARCHAEOLOGIST, AS APPROPRIATE, APPROVED BY THE COUNTY AGENCY, HAS EVALUATED THE SITUATION AND MADE RECOMMENDATIONS FOR TREATMENT OF THE RESOURCE, AND WHOSE RECOMMENDATIONS ARE CARRIED OUT. HUMAN BURIALS ARE ENCOUNTERED, THE CONTRACTOR MUST ALSO CONTACT THE COUNTY CORNER.

CLEARING NOTES

1. THE CONTRACTOR SHALL REVIEW SITE PRIOR TO BIDDING. ALL VEGETATION, STRUCTURES, TREES, DELETERIOUS MATERIAL, ETC. SHALL BE REMOVED FROM THE SITE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE LUMP SUM CLEARING COST. ALL WORK SHALL COMPLY WITH THE GEOTECHNICAL ENGINEERING INVESTIGATION COMPLETED FOR THIS PROJECT.
2. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS FROM DAMAGE UNLESS NOTED OTHERWISE. COST OF REPLACING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND REPLACEMENT OF EXISTING IMPROVEMENTS.
3. WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS AND SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED AFTER PROPER BACKFILLING WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY ENGINEER.
4. PAYMENT FOR PAVEMENT WILL BE MADE ONLY FOR AREAS SHOWN ON PLANS. REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR PAVEMENT, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.
5. ALL EXISTING WELLS SHALL BE REMOVED AND/OR ABANDONED PER THE REQUIREMENTS OF THE COUNTY AGENCY AND THE ENVIRONMENTAL HEALTH DEPARTMENT, AND UNDER PERMIT AND INSPECTION OF SAID AGENCIES. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM CLEARING COST.

GRADING NOTES

1. NO GRADING, CLEARING OR GRUBBING SHALL BE PERFORMED PRIOR TO ISSUANCE OF A GRADING PERMIT FROM LOCAL GOVERNING AGENCIES.
2. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
3. SITE GRADING SHALL BE DONE UNDER DIRECTION OF THE SOILS ENGINEER AND SHALL BE IN COMPLIANCE WITH CHAPTER 33, 18, AND APPENDIX J, MOST RECENT EDITION OF THE CALIFORNIA BUILDING CODE AND THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT.
4. EXISTING NON-COMPLYING FILLS SHALL BE REMOVED OR BROUGHT INTO COMPLIANCE WITH CHAPTER 33 AND 18, AND APPENDIX J, MOST RECENT EDITION OF THE CALIFORNIA BUILDING CODE, AND THE SATISFACTION OF THE SOILS ENGINEER.
5. ANY EXCESS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE TO AN AREA APPROVED BY THE COUNTY BUILDING DIVISION AND COUNTY FIRE DEPARTMENT. APPROVALS MUST BE IN WRITING PRIOR TO REMOVAL OF MATERIAL.
6. CONTRACTOR SHALL PROTECT EXISTING DRAINAGE FACILITIES FROM SEDIMENTATION DURING ALL PHASES OF CONSTRUCTION.
7. ALL HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE COUNTY'S FIRE DEPARTMENT. THE APPLICANT IS REQUIRED TO DEMONSTRATE COMPLIANCE WITH STATE AND LOCAL CODES FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS DURING DEMOLITION OF THE STRUCTURES ON THE PROJECT SITE.
8. ALL PADS SHALL BE CONSTRUCTED TO A TOLERANCE OF 0.1 FEET +/- FROM SHOWN PAD ELEVATION.
9. RECORD DRAWINGS SHALL INCLUDE ANY SUB-DRAINS REQUIRED BY THE PROJECT SOILS ENGINEER DURING CONSTRUCTION.
10. PROPOSED DEVELOPMENT MUST CONFORM TO 40 CFR (CODE OF FEDERAL REGULATIONS) PARTS 122, 123 AND 124 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT APPLICATIONS FOR STORM WATER DISCHARGE. PROJECT MUST ALSO CONFORM WITH ANY DESIGN AND CONSTRUCTION POLICIES ADOPTED BY THE COUNTY TO CONFORM WITH THESE REGULATIONS.
11. BLASTING (IF REQUIRED) REQUIRES A PERMIT FROM THE COUNTY FIRE DEPARTMENT.
12. PRIOR TO ANY GRADING OPERATION THE GRADING CONTRACTOR AND THE PROJECT SOILS ENGINEER SHALL JOINTLY SEARCH THE SITE FOR EXISTING WELLS AND SEPTIC SYSTEMS.
13. PRIVATE DRIVEWAYS SHALL BE CONSTRUCTED UNDER THE OBSERVATION OF THE SOILS ENGINEER IN COMPLIANCE WITH THE COUNTY DESIGN AND CONSTRUCTION STANDARDS. PROGRESS AND FINAL REPORTS SHALL BE FURNISHED TO THE ENGINEER IN COMPLIANCE WITH C.B.C. SPECIAL INSPECTION REQUIREMENTS. ALL COSTS RELATED TO SUCH SPECIAL INSPECTIONS SHALL BE BORNE BY THE OWNER/DEVELOPER.
14. EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE COUNTY AGENCY STANDARDS AND THE SOILS REPORT FOR THE PROJECT.
15. ALL INDEPENDENT LABORATORY INSPECTION AND TESTING REQUIRED BY THE COUNTY SHALL BE PAID FOR BY THE CONTRACTOR.
16. SUBGRADE SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND THE COUNTY AGENCY STANDARD SPECIFICATIONS.
17. ROUGH GRADING CONTRACTOR SHALL COORDINATE WITH DEVELOPER PRIOR TO CONSTRUCTION AS TO THE RESPONSIBILITIES OF THIS WORK.
18. THE CONTRACTOR IS TO PROVIDE COMPACTED BUILDING PADS AT THE ELEVATIONS SHOWN ON THE GRADING PLAN.
19. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
20. ALL AREAS ARE TO BE GRADED TO THE ELEVATIONS SHOWN.

UTILITY NOTES

1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE COUNTY AGENCY STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
2. A SEWER RELIEF VALVE MUST BE INSTALLED AS REQUIRED BY THE BUILDING DEPARTMENT ON ALL LOTS WHERE THE FINISHED FLOOR ELEVATION IS BELOW THE RM OF THE NEXT UPSTREAM MANHOLE OF THE PUBLIC SEWER. PER THE C.P.C. SECTION 710.0. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE COUNTY AGENCY STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
3. CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
4. ALL UNDERGROUND IMPROVEMENTS INCLUDING SEWER LINES, WATER LINES, STORM DRAINS, PUBLIC UTILITY FACILITIES, AND SERVICES SHALL BE INSTALLED, TESTED, AND ACCEPTED PRIOR TO PAVING ANY STREET.
5. THE LOCATIONS OF UNDERGROUND OBSTRUCTIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THE PLANS MAY NOT INCLUDE ALL EXISTING UTILITIES AND THAT THE OWNER, THE COUNTY AGENCY AND ENGINEER ASSUME NO RESPONSIBILITY OF OBSTRUCTIONS WHICH MAY BE ENCOUNTERED.
6. THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITIES INCLUDING SEWERS AND STORM DRAINS PRIOR TO ANY TRENCHING TO ALLOW THE ENGINEER TO VERIFY THE GRADE AND ALIGNMENT OF THE UTILITIES, AND TO VERIFY DESIGN ASSUMPTIONS AND EXACT FIELD LOCATION. EXISTING UTILITIES MAY REQUIRE RELOCATION AND/OR PROPOSED IMPROVEMENT MAY REQUIRE GRADE OR ALIGNMENT REVISION DUE TO FIELD CONDITIONS. THE CONTRACTOR IS CAUTIONED NOT TO ORDER PRECAST ITEMS UNTIL ALL CONFLICTS ARE RESOLVED. PRECAST ITEMS ORDERED PRIOR TO CONFLICT RESOLUTION SHALL BE DONE SOLELY AT THE CONTRACTOR'S RISK. THE ENGINEER WILL NOT MARK ANY GRADE STAKES UNTIL AFTER THE EXACT LOCATION OF ALL EXISTING UTILITIES HAS BEEN VERIFIED.
7. RECORD PLAN DRAWINGS SHALL BE PROVIDED UPON COMPLETION OF PROJECT PRIOR TO FINAL ACCEPTANCE.
8. THE USE OF CONTROLLED DENSITY BACKFILL (CDF) WITHIN ANY PUBLIC SEWER OR WATER TRENCH IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE DIRECTOR OF UTILITIES.
9. THERE SHALL BE NO UNMETERED CONNECTIONS TO THE COUNTY AGENCY WATER SYSTEM INCLUDING CONNECTIONS BYPASSING THE METER FOR TESTING ONSITE PLUMBING OR FOR OBTAINING CONSTRUCTION WATER. SUCH CONNECTIONS SHALL BE SEVERED BY THE WATER UTILITY DEPARTMENT AND WILL RESULT IN PENALTIES, INCLUDING PAYMENT OF FINES AND ESTIMATED WATER USAGE FEES.
10. ALL PIPE LENGTHS SHOWN ARE MEASURED HORIZONTALLY TO INSIDE EDGE OF MANHOLE STRUCTURES OR TO THE CENTER OF MINOR DEVICES SUCH AS INLETS OR CLEANOUTS.
11. ALL STREET TRENCHING IN PUBLIC R/W REQUIRES USE OF A.C. HOTMIX, UNDER DIRECTION OF COUNTY INSPECTOR AND PER COUNTY STANDARDS.

STORMWATER POLLUTION PREVENTION

1. FOR SITES WITH 1 OR MORE ACRES OF DISTURBED SURFACE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED IN ACCORDANCE WITH THE CURRENT STATE WATER RESOURCES CONTROL BOARD N.P.D.E.S. PERMIT REQUIREMENTS. CONTRACTOR SHALL SUPPLY A SWPPP COMPLETED BY A QUALIFIED SWPPP DEVELOPER (QSD). THE SWPPP SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED TO ENSURE THAT WATER ENTERING THE STORM DRAIN SYSTEM BELOW THE CONSTRUCTION SITE IS EQUIVALENT QUALITY AND CHARACTER AS THE WATER ABOVE THE SITE.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED IN FRONT OF INCOMPLETE STORM DRAIN SYSTEMS TO PREVENT DEBRIS AND SEDIMENT-LADEN WATER FROM ENTERING INTO THE PUBLIC STORM DRAIN SYSTEM. BEST MANAGEMENT PRACTICES SHALL BE USED WHEN DESIGNING AND INSTALLING SUCH DEVICES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTANT MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER AND THE COUNTY AGENCY. EROSION AND SEDIMENT CONTROL MEASURES AND THEIR INSTALLATION SHALL BE ACCOMPLISHED USING BEST MANAGEMENT PRACTICES.
4. IF THE STORM DRAIN SYSTEM IS NOT IN PLACE BY OCTOBER 15, ADDITIONAL MEASURES SHALL BE TAKEN SUCH AS TEMPORARY SETTLING BASINS WHICH MEET THE SATISFACTION OF THE ENGINEER AND THE COUNTY AGENCY. SILT AND/OR CATCH BASINS MUST BE CLEANED OUT ON A REGULAR BASIS AFTER STORMS TO MAINTAIN DESIGN CAPACITY.
5. STORM WATER RUNOFF FROM THE CONSTRUCTION SITE SHALL BE DIRECTED TOWARD AN INLET WITH A SEDIMENT OR FILTRATION INTERCEPTOR PRIOR TO ENTERING THE STORM DRAIN SYSTEM.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING WATER THAT HAS BECOME POLLUTED DUE TO NOT TAKING NECESSARY EROSION AND SEDIMENT CONTROL ACTIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF MUD AND DEBRIS CARRIED ONTO SURROUNDING STREETS AND ROADS AS A RESULT OF CONSTRUCTION ACTIVITY ON THE SITE TO THE SATISFACTION OF THE COUNTY AGENCY.
8. ANY DENIED OR DISTURBED SOILS SHALL BE PROTECTED USING BEST MANAGEMENT PRACTICES.
9. BETWEEN OCTOBER 15 AND APRIL 15, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED BY THE DEVELOPER, CONTRACTOR OR OWNER SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF LEAVES THE SITE.
10. THE CONTRACTOR IS TO INFORM ALL CONSTRUCTION SITE WORKERS ABOUT THE MAJOR PROVISIONS OF THE EROSION AND SEDIMENT CONTROL PLAN AND SEEK THEIR COOPERATION IN AVOIDING THE DISTURBANCE OF THESE CONTROL MEASURES.
11. DURING THE RAINY SEASON (TYPICALLY OCTOBER 15 TO APRIL 15) ALL SEDIMENT BARRIERS ARE TO BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY AND, IN ADDITION, AFTER EACH STORM. CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL PROGRESS AND INLETS AFTER EACH SIGNIFICANT RAINFALL AND DAILY DURING PROLONGED STORM EVENTS. REMOVE SEDIMENTS WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE BARRIER AND REPLACE FILTER DEVICES AS NECESSARY TO ENSURE PROPER FUNCTION.
12. UNSTABILIZED AREAS WILL BE REPAIRED AS SOON AS POSSIBLE AFTER BEING DAMAGED.
13. ALL GRADED OR DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE.
14. ENTRANCE TO THE PROJECT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHT-OF-WAY. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE OF PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED ROCK THAT DRAINS INTO A SEDIMENT TRAP.
15. ALL SEDIMENT SPILLED, DROPPED, OR TRACKED ON PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY USING BEST MANAGEMENT PRACTICES.
16. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
17. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WHEN THEY ARE NO LONGER FUNCTIONING PER BEST MANAGEMENT PRACTICES.
18. THE CONTRACTOR SHALL HAVE EROSION AND SEDIMENT CONTROL MEASURES ON SITE ADEQUATE TO PROTECT THE ENTIRE SITE PRIOR TO THE OCTOBER 15 DATE SUCH THAT IT IS IMMEDIATELY AVAILABLE IN PREPARATION OF THE UPCOMING WINTER SEASON OR IN THE EVENT OF AN EARLY RAIN.
19. AFTER CONSTRUCTION IS COMPLETE ALL STORM DRAIN SYSTEMS ASSOCIATED WITH THIS PROJECT SHALL BE INSPECTED AND CLEARED OF ACCUMULATED SEDIMENTS AND DEBRIS.
20. GRADED AREAS TO BE SEEDDED FOR EROSION CONTROL SHALL USE GRASS SEED AT THE RATE OF 75-100 LBS. PER ACRE. SEEDDED AREAS SHALL BE IRRIGATED TO ENSURE COVER IS ROOTED PRIOR TO RAINY SEASON.
21. HYDROSEED SHALL BE EITHER APPLIED MECHANICALLY OR BY HYDROSEEDING. HYDROSEEDING REQUIRES THE APPLICATION OF FIBER AND STABILIZING EMULSION. MECHANICAL APPLICATION SHALL REQUIRE ROLLING, TAMPING, OR OTHERWISE WORKING THE SEED APPROXIMATELY 0.5 INCHES INTO THE TOPSOIL.
22. STABILIZATION OF EXPOSED GRADED AREAS WITH STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.
23. THIS PLAN PROVIDES EROSION CONTROL AND SEDIMENTATION INFORMATION AND DESIGN USING THE FOLLOWING ASSUMPTIONS:
 - *GROUND HAS BEEN ROUGH GRADED.
 - *STORM DRAIN UTILITIES AND INLETS HAVE BEEN INSTALLED.
24. CONTRACTOR SHALL ADJUST THE SEDIMENTATION AND EROSION CONTROL METHODS AS THE PROJECT DEVELOPS. IT SHALL BE THE QUALIFIED SWPPP PRACTITIONER'S (QSP) RESPONSIBILITY TO ENSURE THAT THE INSTALLED EROSION CONTROL AND SEDIMENTATION IMPROVEMENTS ARE IN CONFORMANCE WITH THE STATE OF CALIFORNIA STORM WATER POLLUTION PREVENTION PLAN GUIDELINES AND THE CALIFORNIA BEST MANAGEMENT PRACTICES.
25. TEMPORARY SILT AND DRAINAGE CONTROL FACILITIES SHALL BE INSTALLED TO CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND TO PROVIDE FOR THE SAFE DISCHARGE OF STORM WATERS INTO EXISTING STORM WATER FACILITIES. DESIGN OF THESE FACILITIES MUST BE APPROVED BY THE COUNTY ENGINEER AND IN PLACE PRIOR TO THE START OF GRADING.
26. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND PROCEDURES OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR CONSTRUCTION AND ACTIVITIES AS PROMULGATED BY THE CALIFORNIA STATE WATER RESOURCE CONTROL BOARD OR ANY OF ITS REGIONAL WATER QUALITY CONTROL BOARDS.
27. ALL MATERIALS NECESSARY FOR WINTERIZATION SHALL BE AVAILABLE AT THE SITE BY OCTOBER 12, AND ALL WINTERIZATION MEASURES SHALL BE INSTALLED AND COMPLETED BY OCTOBER 15.
28. WINTERIZATION SHALL BE INSTALLED ACCORDING TO THIS PLAN AND AS DIRECTED BY THE QUALIFIED SWPPP PRACTITIONER (QSP), AND SHALL BE MAINTAINED BY THE CONTRACTOR THROUGH APRIL 1.
29. FILL SLOPES: AVOID LEAVING SHINY, SMOOTH GRADED SURFACES. THE LAST GRADING OPERATION SHALL BE TO WALK A TRACK-TYPE TRACTOR UP AND DOWN THE SLOPE, CREATING CLEAR MARKS ON THE SLOPE WITH COURTES. THESE WILL PROVIDE SEED AND FIBER COLLECTION POINTS.
30. CUT SLOPES: AVOID LEAVING SHINY, SMOOTH GRADED SURFACES. THE LAST GRADING OPERATION SHALL LEAVE THE SLOPE IN A ROUGHENED CONDITION WITH 2 INCHES OF LOOSESED MATERIAL FOR SEEDING.
31. EACH FIBER ROLL SHALL BE SECURELY HELD WITH 1"x1"x18" STAKES (MIN).
32. IF ANY GRAVEL BAGS ARE MOVED AND/OR RELOCATED IN GAINING ACCESS TO THE SITE DURING THE WINTER MONTHS, THEY SHALL BE REPLACED IF THEY ARE NO LONGER STABLE.
33. ONCE INSTALLED, ALL WINTERIZATION MATERIALS SHOULD BE CHECKED BEFORE EACH WEEKEND AND EACH STORM.
34. THIS PLAN IS INTENDED TO BE USED FOR EROSION CONTROL ONLY. OTHER INFORMATION SHOWN HEREIN MAY NOT BE THE MOST CURRENT.
35. AFTER THE UNDERGROUND STORM DRAIN SYSTEM IS INSTALLED, THE CATCH BASINS WILL BE INSTALLED (AS SOON AS PRACTICAL) AND THE SEDIMENT CONTROL DEVICE WILL BE PLACED AROUND THOSE CATCH BASINS AS SHOWN ON THIS PLAN AND IN THE DETAIL ON THE SHEET UNTIL THE SITE IS PAVED.

36. CONTRACTOR TO PROVIDE TEMPORARY SEDIMENT CONTROL DEVICE AT CATCH BASINS AS SHOWN IN DETAIL. CONTRACTOR MAY SUBSTITUTE OTHER SEDIMENT CONTROL DEVICES (GRAVEL BAGS, SILT TRAPS, ETC.) UNDER THE DIRECTION OF THE QSP. ALL MODIFICATIONS NEED TO BE APPROVED BY QSD, AND LOGGED IN THE SWPPP AMENDMENT LOG.
37. ACCESS ROADS: AS NECESSARY, ANY SEDIMENT OR OTHER CONSTRUCTION RELATED MATERIALS DEPOSITED ON ACCESS ROADS SHALL BE REMOVED PRIOR TO ANY RAIN EVENT BY VACUUMING OR SWEEPING.
38. WIND EROSION CONTROL: STOCKPILED WASTE MATERIAL SHALL BE CONTAINED AND SECURELY PROTECTED FROM WIND EROSION AT ALL TIMES WHEN NOT IN USE.
39. CONTRACTOR SHALL PROVIDE EFFECTIVE SOIL COVER FOR INACTIVE AREAS WHERE CONSTRUCTION ACTIVITY HAS DISTURBED SOIL BUT ARE NOT SCHEDULED TO RE-DISTURB SOIL FOR AT LEAST 14 DAYS.

DUST CONTROL NOTES

1. APPROPRIATE DUST CONTROL SHALL BE PROVIDED TO MINIMIZE ANY DUST NUISANCE, IN ACCORDANCE WITH THE CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE COUNTY AGENCY.
2. SPRAY WATER ON ALL EXPOSED EARTH SURFACED DURING CLEARING, GRADING, EARTH MOVING AND OTHER SITE PREPARATION ACTIVITIES THROUGHOUT THE DAY TO MINIMIZE DUST. USE TARPALLS OR OTHER EFFECTIVE COVERS ON ALL STOCKPILED EARTH MATERIAL AND ON ALL HAUL TRUCKS TO MINIMIZE DUST. SWEEP THE ADJACENT STREET FRONTAGES AT LEAST ONCE A DAY OR AS NEEDED TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES. ENSURE THAT CONSTRUCTION VEHICLES ARE CLEANED PRIOR TO LEAVING THE SITE TO PREVENT DUST AND DIRT FROM BEING TRACKED OFF SITE.
3. ALL EXPOSED SURFACES SHALL BE WATERED A MINIMUM OF TWICE DAILY UNLESS DEEMED UNNECESSARY DUE TO WEATHER. WATER SHALL BE APPLIED AS PROVIDED IN THE CALTRANS STANDARD SPECIFICATIONS.
4. DUST PALLIATIVES MAY BE SUBSTITUTED FOR WATERING UPON THE APPROVAL OF THE COUNTY ENGINEER. DUST PALLIATIVES SHALL BE APPLIED AS PROVIDED IN SECTION 18 OF CALTRANS STANDARD SPECIFICATIONS.
5. ALL EXPOSED EARTH SURFACES SHALL BE PLANTED AT THE EARLIEST POSSIBLE TIME.
6. IF APPLICABLE, CONTRACTOR SHALL COMPLY WITH DUST CONTROL PERMIT AND PERFORMANCE REQUIREMENTS OF THE AIR POLLUTION CONTROL DISTRICT. COPIES OF THE APPROVED DUST CONTROL PLAN SHALL BE PROVIDED TO COUNTY ENGINEER AND MAINTAINED ON SITE.
7. CONTRACTOR TO PRACTICE DUST CONTROL MEASURES IN ACCORDANCE WITH THE COUNTY STANDARDS THROUGHOUT CONSTRUCTION.
8. VISIBLE DUST EMISSIONS (VDE) SHALL BE MINIMIZED TO THE EXTENT FEASIBLE WHERE SOIL IS BEING DISTURBED BY EQUIPMENT OR BY WIND.
9. DUST CONTROL MAY BE ACHIEVED BY APPLYING WATER BEFORE/DURING EARTHWORK AND ONTO UNPAVED TRAFFIC AREAS, APPLYING DUST PALLIATIVES, PHASING WORK TO LIMIT DUST, AND SETTING UP WIND FENCES TO LIMIT WIND BLOWN DUST.
10. SOIL STABILIZATION IMAY BE REQUIRED AT REGULATED CONSTRUCTION SITES AFTER NORMAL WORKING HOURS AND ON WEEKENDS AND HOLIDAYS. THIS REQUIREMENT MAY ALSO APPLY TO INACTIVE CONSTRUCTION AREAS SUCH AS PHASED PROJECTS WHERE DISTURBED LAND IS LEFT UNATTENDED. APPLYING WATER TO FORM A VISIBLE CRUST ON THE SOIL AND RESTRICTING VEHICLE ACCESS ARE OFTEN EFFECTIVE FOR SHORT-TERM STABILIZATION OF DISTURBED SURFACE AREAS. LONG-TERM METHODS INCLUDING APPLYING DUST SUPPRESSANTS AND ESTABLISHING VEGETATIVE COVER MAY ALSO BE SUITABLE.
11. CARRYOUT AND TRACKOUT OF SOIL & SEDIMENT SHALL BE MINIMIZED TO THE EXTENT FEASIBLE. TRACKOUT MATERIAL MUST BE CLEANED UP AT LEAST DAILY, AND IMMEDIATELY IF IT EXTENDS MORE THAN 50 FEET FROM THE EXIT POINT ONTO A PAVED ROAD. METHODS MAY INCLUDE USING A BLOWER, DRY SWEEPING, MECHANICAL DEVICES OR STREET SWEEPING.
12. UNPAVED ACCESS AND HAUL ROADS, AS WELL AS UNPAVED VEHICLE AND EQUIPMENT TRAFFIC AREAS AT CONSTRUCTION SITES MAY REQUIRE DUST CONTROL. SPEED LIMIT SIGNS LIMITING VEHICLE SPEED MAY BE UTILIZED AS NECESSARY.
13. LITTER SHALL BE PREVENTED. ALL CONSTRUCTION MATERIAL AND DEBRIS SHALL BE LIMITED TO MATERIAL STORAGE AREAS AND TRASH AREAS.

WATER NOTES

1. CONTRACTOR SHALL EXPOSE EXISTING WATER LINES TO VERIFY EXISTING ELEVATION AND LOCATION PRIOR TO START OF CONSTRUCTION.
2. WATER LINE CROSSINGS SHALL MEET STATE HEALTH STANDARDS AND COUNTY AGENCY STANDARD SPECIFICATIONS.
3. WATER LINE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY AGENCY STANDARD SPECIFICATIONS.
4. INSTALL TRACER WIRE FOR ALL WATER LINES. ALL WATER LINES SHALL BE INSTALLED WITH A NO. 12 GAGE TW SOILD COATED TRACER WIRE.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY MARKING THE INSTALLED LOCATION OF SERVICES PRIOR TO CURB AND GUTTER INSTALLATION.
6. ALL VALVE BOXES SHALL BE ADJUSTED TO FINISH GRADE AFTER STREET PAVING COST FOR RAISING FACILITIES TO BE INCLUDED IN UNIT PRICES FOR VALVES.
7. PRIOR TO FINAL ACCEPTANCE, ALL WATER LINES SHALL BE TESTED AND DISINFECTED IN COMPLIANCE WITH THE REQUIREMENTS OF THE COUNTY AGENCY IMPROVEMENT STANDARD SPECIFICATIONS.
8. ALL CONNECTIONS TO EXISTING COUNTY FACILITIES SHALL BE MADE IN THE PRESENCE OF THE COUNTY PUBLIC WORKS DEPARTMENT. HOT TAPS SHALL CONFORM TO COUNTY REQUIREMENTS.

WATER MATERIALS

THE FOLLOWING PIPE MATERIALS SHALL BE USED FOR WATER MAIN CONSTRUCTION AND SHALL CONFORM TO THE LATEST EDITION OF APPROPRIATE AMERICAN WATER WORKS ASSOCIATION STANDARDS AND AMERICAN SOCIETY OF TESTING MATERIALS STANDARDS:

MATERIAL	SPECIFICATION	DIAMETER
PVC PIPE	AWWA C900-CLASS 200 MIN. ASTM D2241	4"-48"
	ASTM D1785, NSF 61 - SCH 40	1/2"-3"
PVC PIPE FITTINGS	ASTM D2466, NSF 61 - SCH 40	1/2"-3"
PVC PIPE JOINTS	ASTM D2122-BELL AND SPIGOT ASTM F477-ELASTOMERIC SEAL ASTM D3139	4"-48" 4"-48" 4"-48"
HIGH DENSITY POLYETHYLENE PIPE	AWWA C901 - DR 11 AWWA C906 - DR 11 NSF STANDARD 14 NSF STANDARD 61 ASTM D3035	1/2"-3" 4"-63" ALL ALL
HIGH DENSITY POLYETHYLENE JOINTS	ASTM D2857, HEAT FUSION JOINING OF THE SAME DR PIPE. NO SOLVENT JOINTS.	ALL
DUCTILE IRON PIPE	AWWA C151	3"-48"
DUCTILE IRON PIPE FITTINGS	AWWA C110-PUSH ON OR MECHANICAL	3"-48"

STORM DRAIN NOTES

1. THE CONTRACTOR SHALL EXPOSE ALL EXISTING STORM DRAIN PIPES WHERE A CONNECTION IS TO BE MADE SO THAT THE ENGINEER CAN VERIFY EXISTING FLOWLINES AND LOCATIONS SUFFICIENTLY BEFORE START OF CONSTRUCTION TO ALLOW FOR A REASONABLE LENGTH OF TIME FOR REVISING PLANS, IF NECESSARY.
2. CONTRACTOR TO BE RESPONSIBLE FOR ALL TESTING OF STORM DRAIN FACILITIES IN ACCORDANCE WITH THE COUNTY AGENCY SPECIFICATIONS.
3. ALL MANHOLE RIMS TO BE ADJUSTED TO FINISH GRADE AFTER STREET PAVING, UNLESS OTHERWISE NOTED. COST FOR RAISING FACILITIES TO BE INCLUDED IN UNIT PRICES FOR MANHOLES.
4. STORM DRAIN SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS DURING ALL PHASES OF CONSTRUCTION.

STORM DRAIN MATERIALS

THE FOLLOWING STANDARD PIPE MATERIALS SHALL BE USED FOR STORM DRAIN CONSTRUCTION AND SHALL CONFORM TO THE LATEST EDITION OF THE STATE OF CALIFORNIA, AASHTO, AND AMERICAN SOCIETY OF TESTING MATERIALS STANDARDS:

MATERIAL	SPECIFICATION	DIAMETER
PVC PIPE	ASTM D3034-SDR 35	4"-15"
PVC PIPE	ASTM F679-PS 46	18"-36"
PVC PIPE DEFLECTION	ASTM D2412-5K DEFLECTION	ALL
PVC PIPE FITTINGS	ASTM D2855-ELASTOMERIC WATER TIGHT	ALL
PVC PIPE MANHOLE CONNECTIONS	ASTM C923-RUBBER WEEP RING	ALL
HDPE	STATE SPEC. SECTION 64	ALL
HDPE TYPE S	AASHTO M-252 -DUAL WALL	3"-10"
HDPE TYPE S	AASHTO M-294 -DUAL WALL	12"-48"
HDPE FITTINGS	ASTM D-3212-WATER TIGHT	ALL
REINFORCED CONCRETE PIPE	ASTM C76 -CLASS I, II, III, IV, OR V	ALL

SANITARY SEWER NOTES

1. THE CONTRACTOR SHALL EXPOSE ALL EXISTING SANITARY SEWER PIPES WHERE A CONNECTION IS TO BE MADE SO THAT THE ENGINEER CAN VERIFY EXISTING FLOWLINES AND LOCATIONS BEFORE START OF CONSTRUCTION.
2. SANITARY SEWER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY AGENCY STANDARD SPECIFICATIONS.
3. ALL MANHOLE RIMS AND CLEANOUTS TO BE ADJUSTED TO FINISH GRADE AFTER STREET PAVING, COST FOR RAISING FACILITIES TO BE INCLUDED IN UNIT PRICES FOR MANHOLES AND CLEANOUTS.
4. ALL CROSSINGS SHALL BE MADE IN ACCORDANCE WITH THE STATE OF CALIFORNIA HEALTH DEPARTMENT REQUIREMENTS. (INCLUDES SERVICE RUNS)
5. SANITARY SEWER LATERALS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY AGENCY STANDARD SPECIFICATIONS, EXCEPT THAT LATERAL SHALL EXTEND TO BACK OF PROPOSED SIDEWALK OR PROPERTY LINE, WHICHEVER IS GREATER.
6. IF APPLICABLE FOR GOVERNING JURISDICTION, ALL SANITARY SEWER MAINS SHALL BE TELEVIEWED AND APPROVED PRIOR TO PAVING. THE CONTRACTOR SHALL FURNISH AT HIS SOLE EXPENSE, A TELEVISION UNIT AND EXPERIENCED CREW, ACCEPTABLE TO THE COUNTY ENGINEER. COMPLETE TAPES AND REPORTS OF ALL TELEVIEWED LINES SHALL BE FURNISHED TO BY THE COUNTY. "AS-BUILT" IMPROVEMENTS PLANS SHALL REFLECT THE INFORMATION CONTAINED IN THE REPORT (I.E. MH, WYE AND CO LOCATIONS). THE CONTRACTOR SHALL EXPOSE ALL MANHOLES AND FLUSHING INLETS TO FACILITATE THIS OPERATION. ALL T.V. INSPECTION SHALL BE MADE IN THE PRESENCE OF THE COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. ALL WORK SHALL BE DONE DURING REGULAR WORKING HOURS FOR COUNTY PERSONNEL.

SANITARY SEWER MATERIALS

THE FOLLOWING STANDARD MATERIALS SHALL BE USED FOR GRAVITY SEWER CONSTRUCTION AND SHALL CONFORM TO THE LATEST EDITION OF AMERICAN SOCIETY OF TESTING MATERIALS STANDARDS:

MATERIAL	SPECIFICATION	DIAMETER
PVC PIPE	ASTM D3034-SDR 35	4"-15"
PVC PIPE	ASTM F679-PS 46	18"-36"
PVC PIPE DEFLECTION	ASTM D2412-5K DEFLECTION	ALL
PVC PIPE FITTINGS	ASTM D2855-ELASTOMERIC WATER TIGHT	ALL
PVC PIPE MANHOLE CONNECTIONS	ASTM C923-RUBBER WEEP RING	ALL
VITRIFIED CLAY PIPE	ASTM C700-EXTRA STRENGTH	ALL
VITRIFIED CLAY PIPE FITTINGS	ASTM C425-FLEXIBLE JOINT	ALL
DUCTILE IRON PIPE	ASTM-A746-LINED GRAVITY SEWER	4"-64"
DUCTILE IRON FITTINGS	ASTM-A746-PUSH ON JOINT	4"-64"

RITO GUTIERREZ

CALAVERA GOLD

GOLDEN POND WAY CRESTON, CA 93432



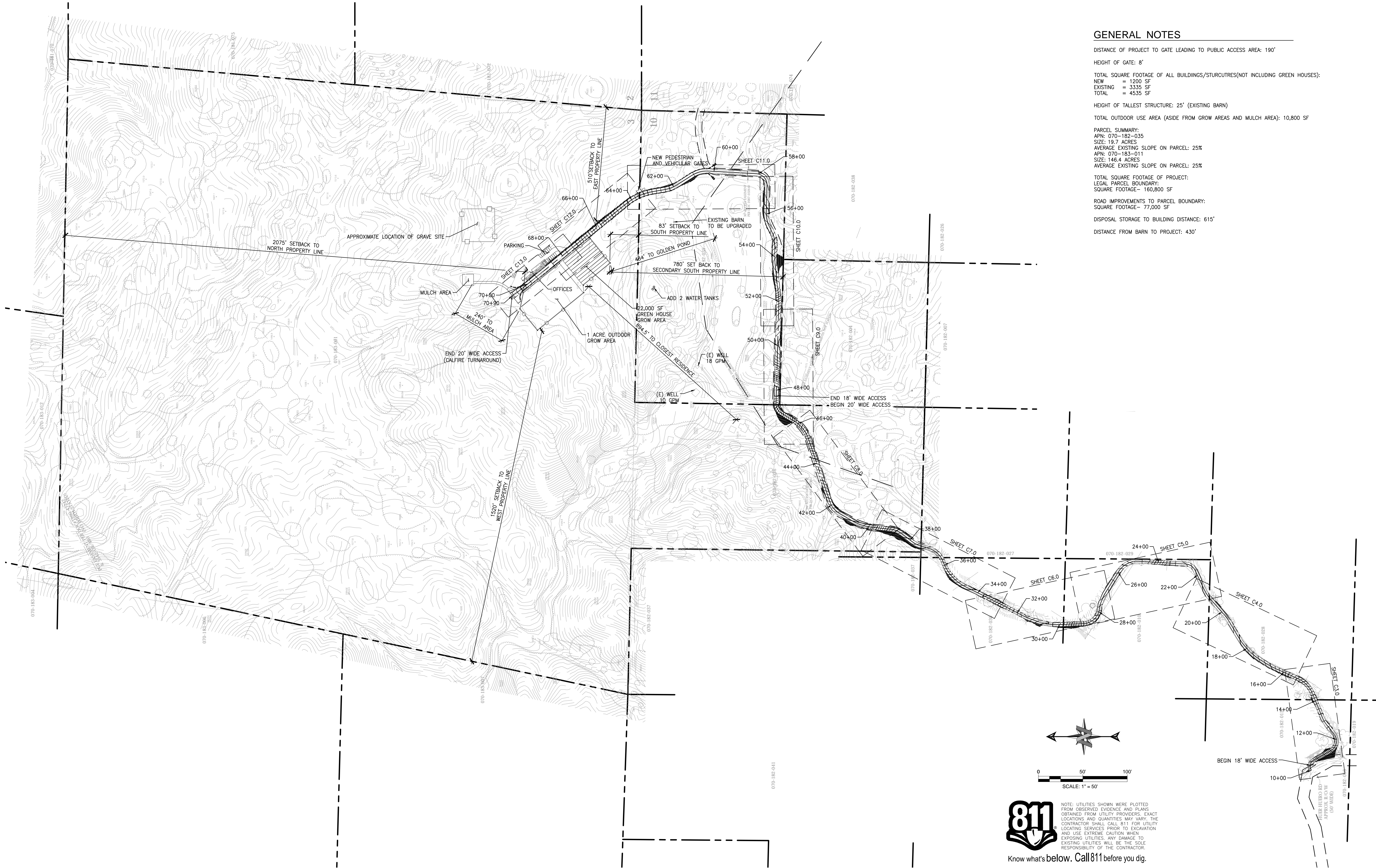
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GENERAL NOTES

DISTANCE OF PROJECT TO GATE LEADING TO PUBLIC ACCESS AREA: 190'

HEIGHT OF GATE: 8'

TOTAL SQUARE FOOTAGE OF ALL BUILDINGS/STURCUTRES(NOT INCLUDING GREEN HOUSES):
NEW = 1200 SF
EXISTING = 3335 SF
TOTAL = 4535 SF

HEIGHT OF TALLEST STRUCTURE: 25' (EXISTING BARN)

TOTAL OUTDOOR USE AREA (ASIDE FROM GROW AREAS AND MULCH AREA): 10,800 SF

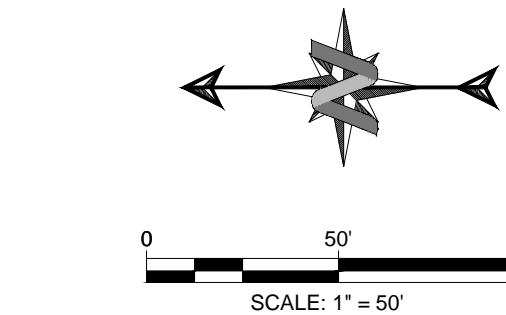
PARCEL SUMMARY:
APN: 070-182-035
SIZE: 19.7 ACRES
AVERAGE EXISTING SLOPE ON PARCEL: 25%
APN: 070-183-011
SIZE: 146.4 ACRES
AVERAGE EXISTING SLOPE ON PARCEL: 25%

TOTAL SQUARE FOOTAGE OF PROJECT:
LEGAL PARCEL BOUNDARY:
SQUARE FOOTAGE= 160,800 SF

ROAD IMPROVEMENTS TO PARCEL BOUNDARY:
SQUARE FOOTAGE= 77,000 SF

DISPOSAL STORAGE TO BUILDING DISTANCE: 615'

DISTANCE FROM BARN TO PROJECT: 430'



NOTE: UTILITIES SHOWN WERE PLOTTED FROM OBSERVED EVIDENCE AND PLANS OBTAINED FROM UTILITY PROVIDERS. EXACT LOCATIONS AND QUANTITIES MAY VARY. THE CONTRACTOR SHALL CALL 811 FOR UTILITY LOCATING SERVICES PRIOR TO EXCAVATION AND USE EXTREME CAUTION WHEN EXPOSING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

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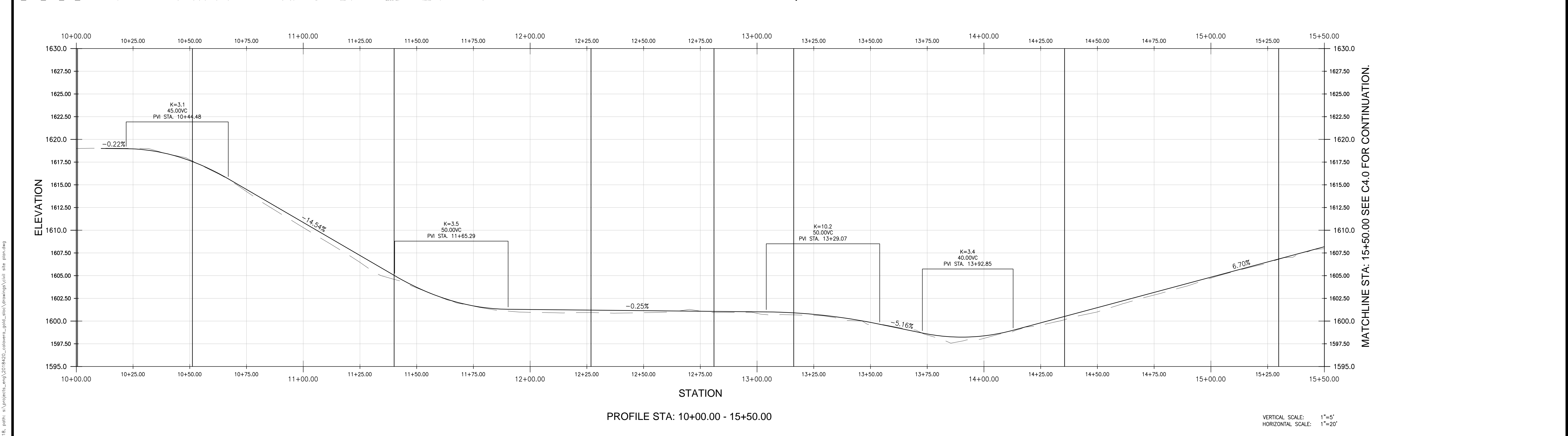
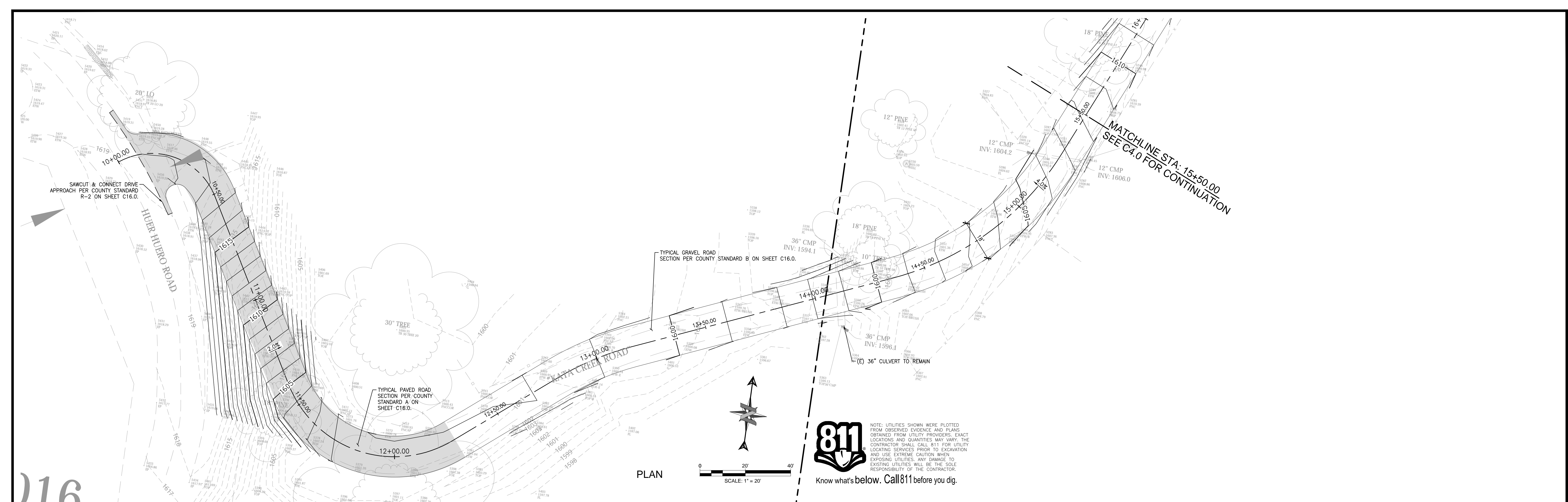
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CALAVERA GOLD
GOLDEN POND WAY CRESTON, CA 93432



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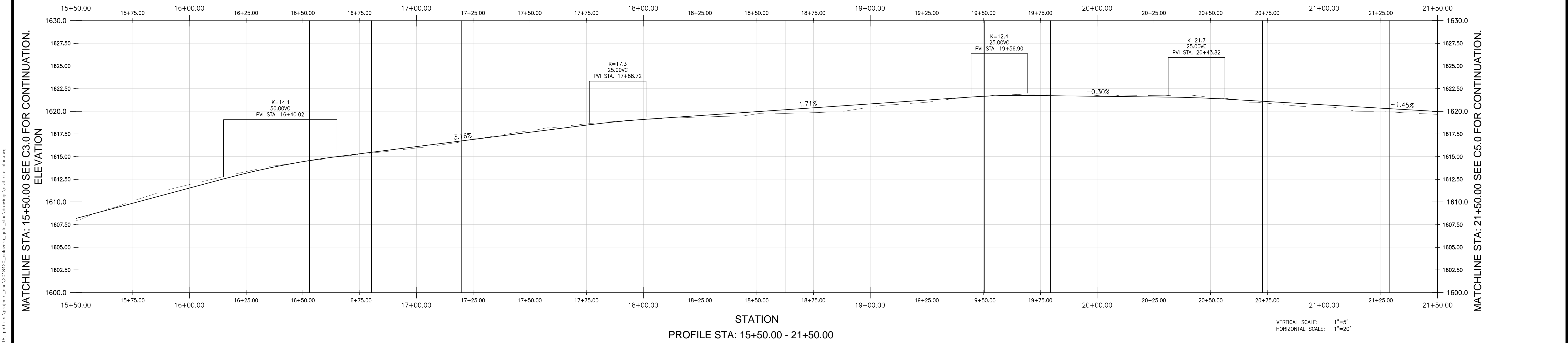
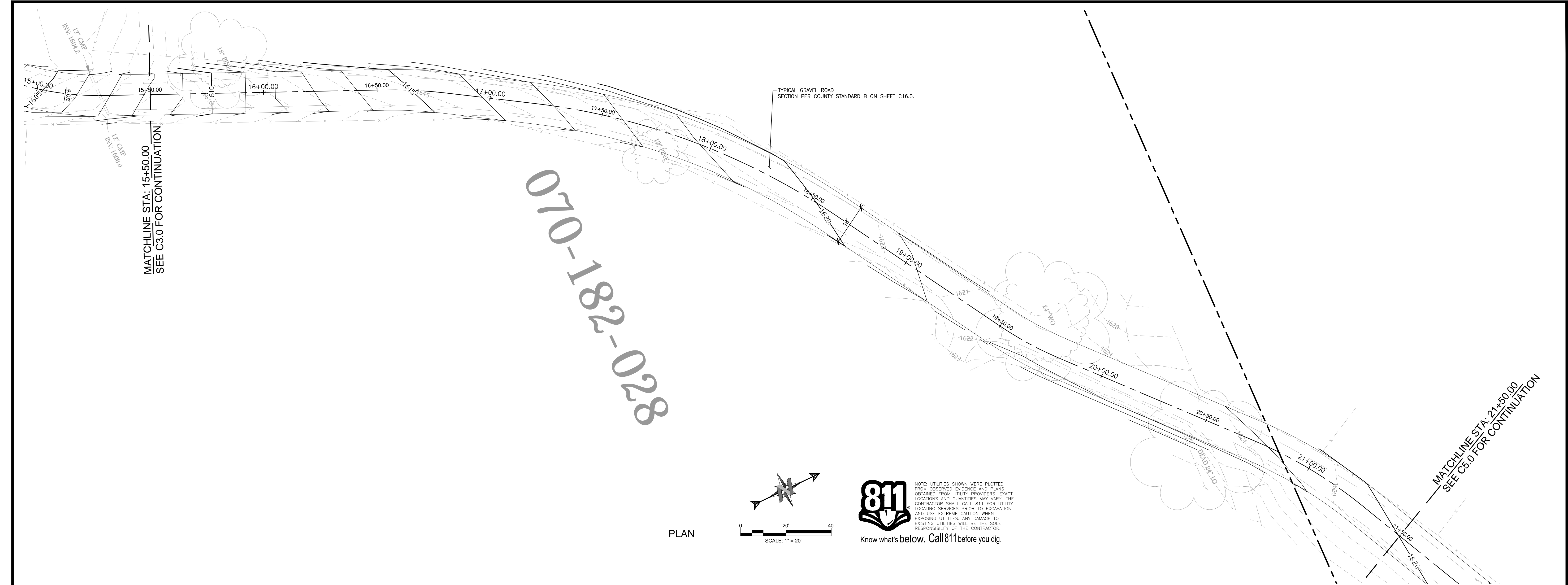
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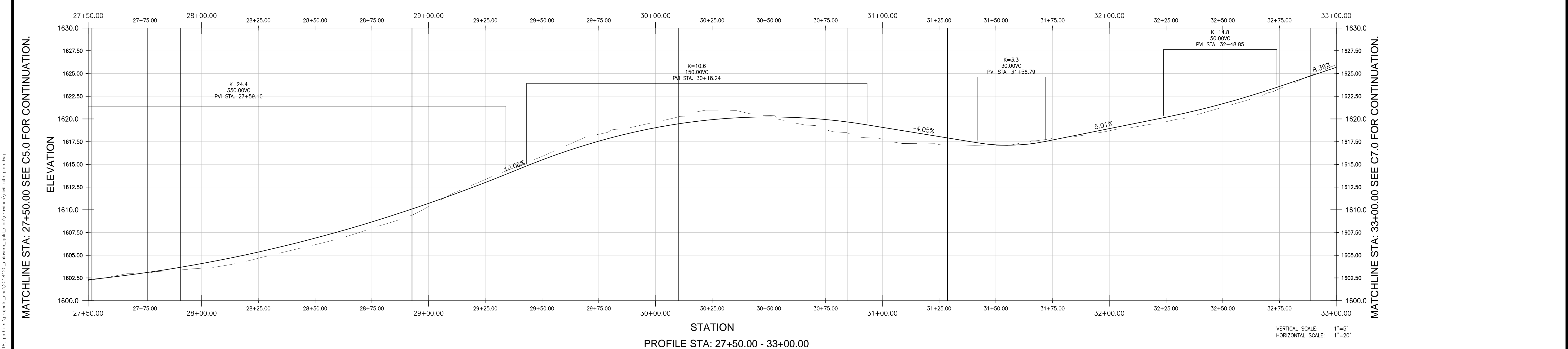
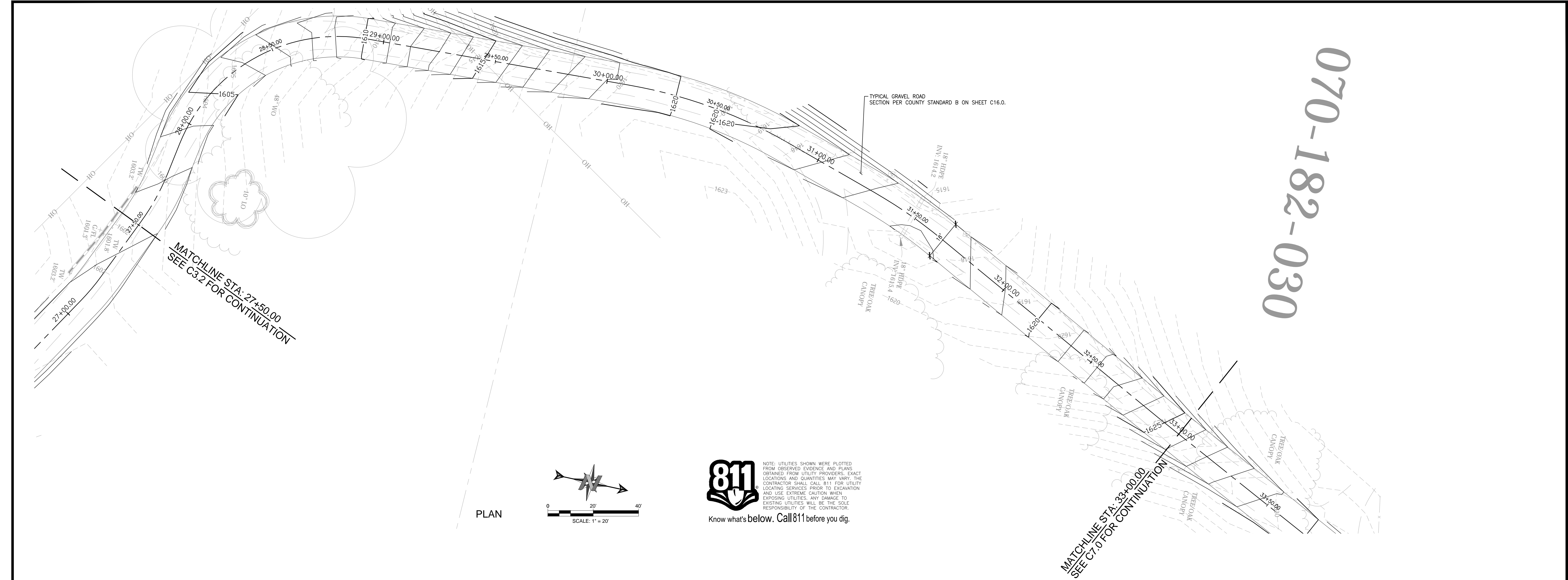
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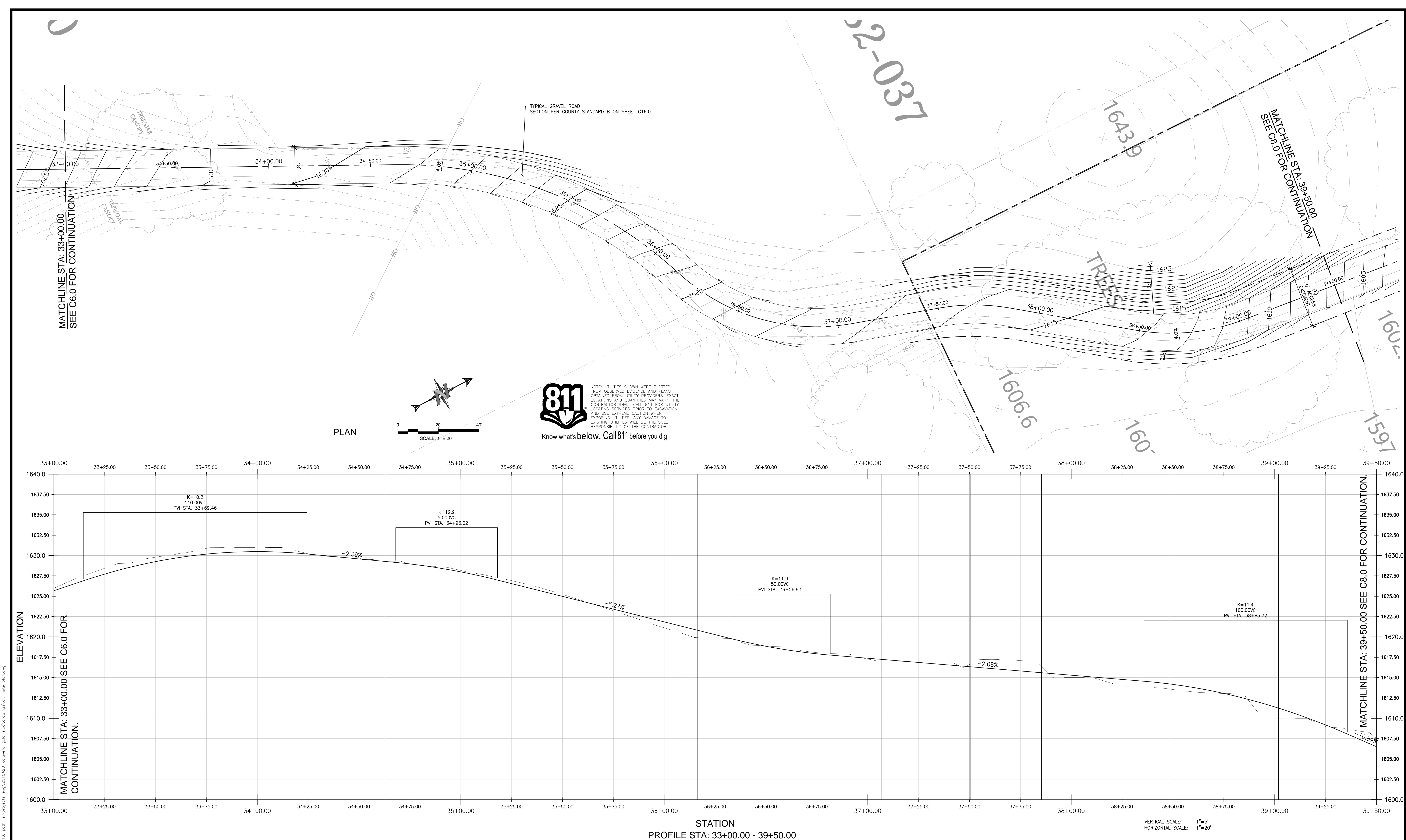
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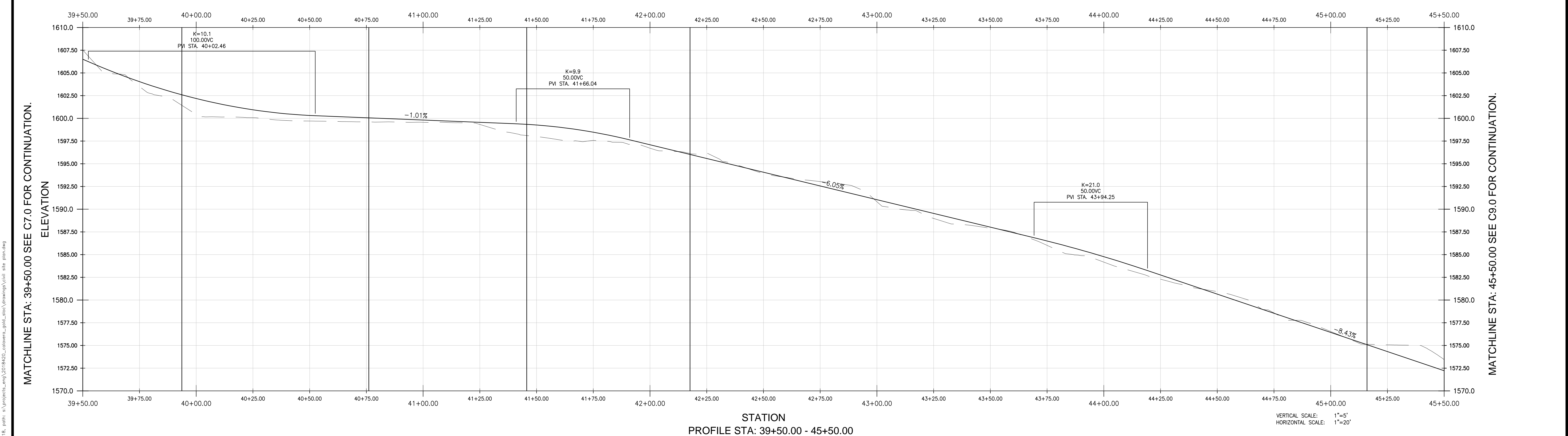
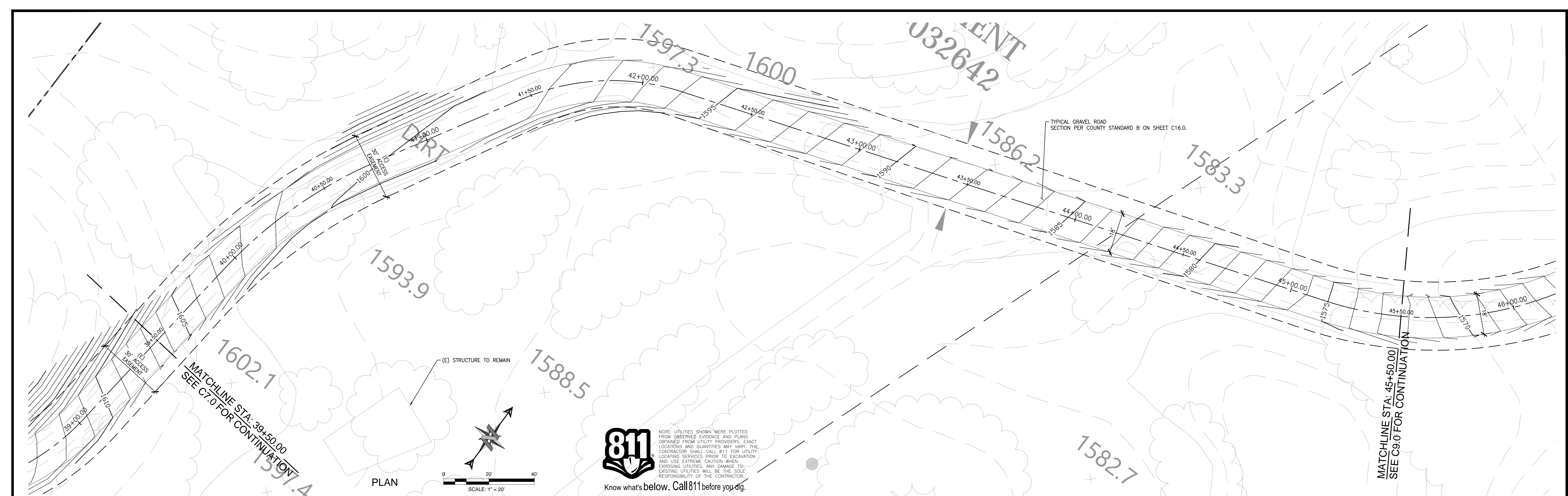
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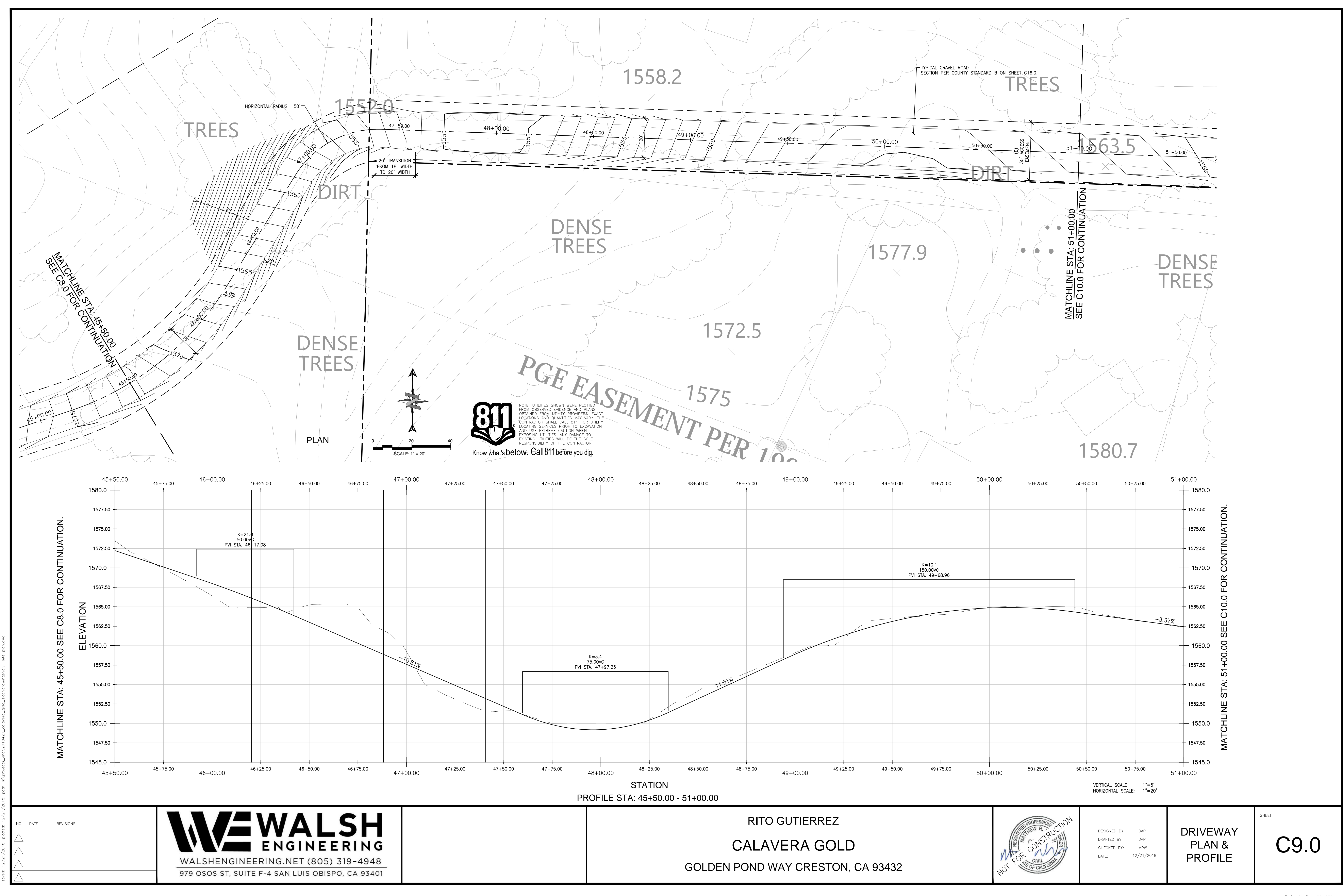
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Know what's below. Call 811 before you dig.

RITO GUTIERREZ
CALAVERA GOLD
GOLDEN POND WAY CRESTON, CA 93432

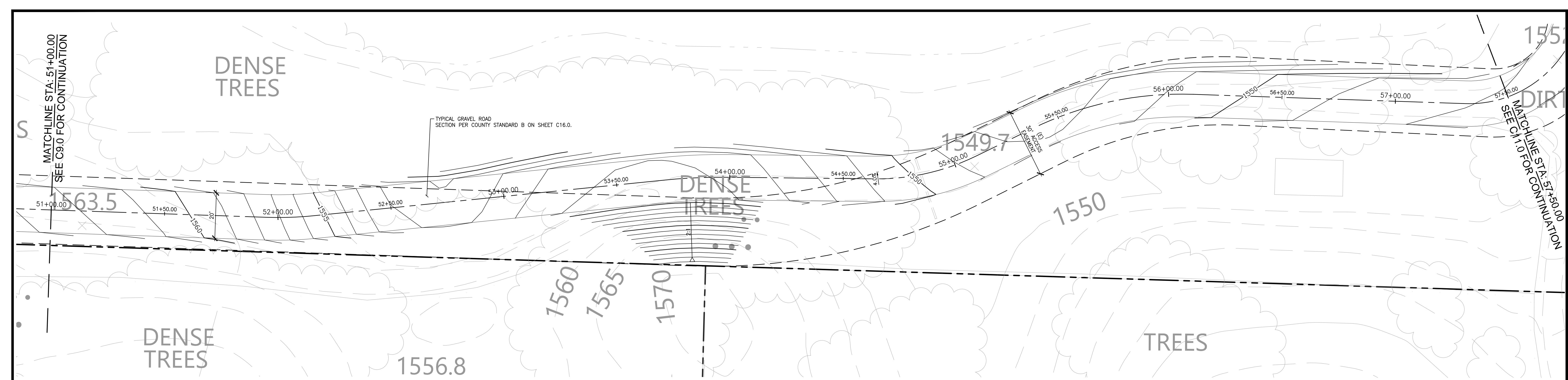


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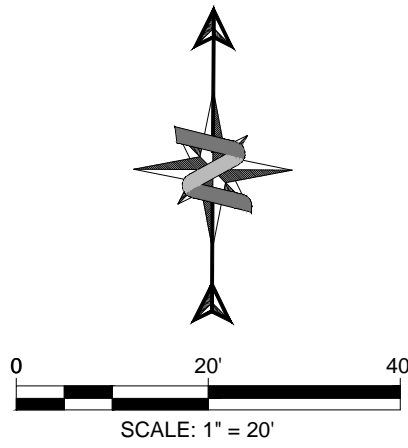
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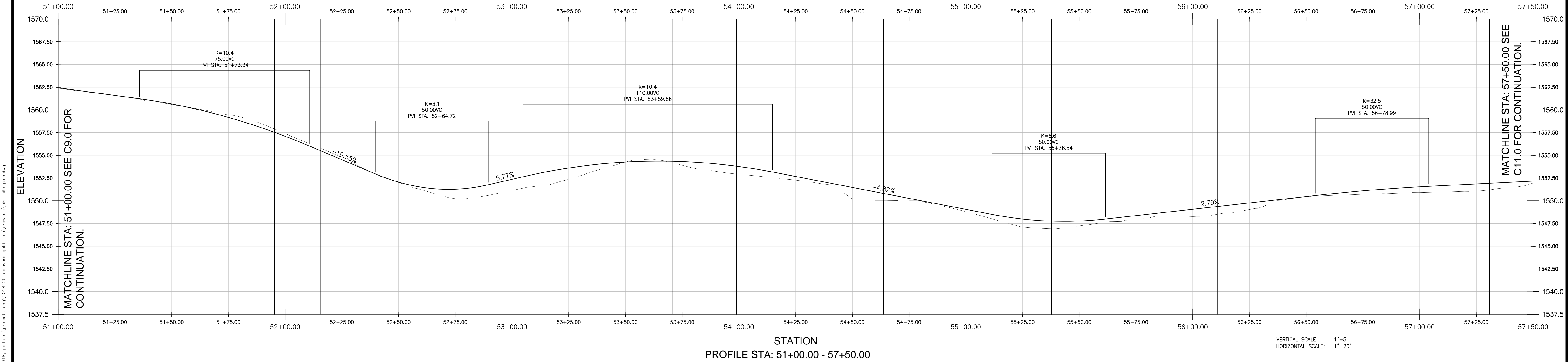


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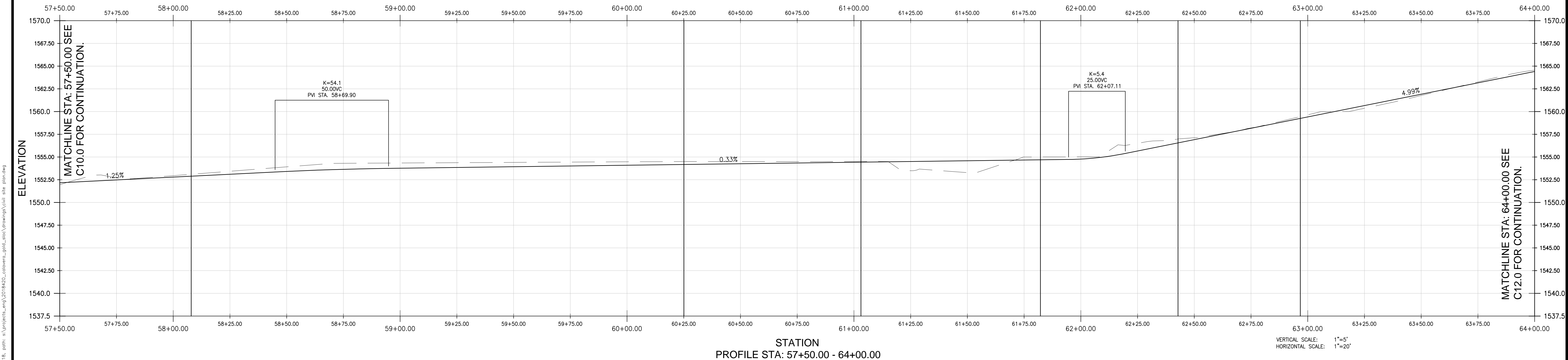
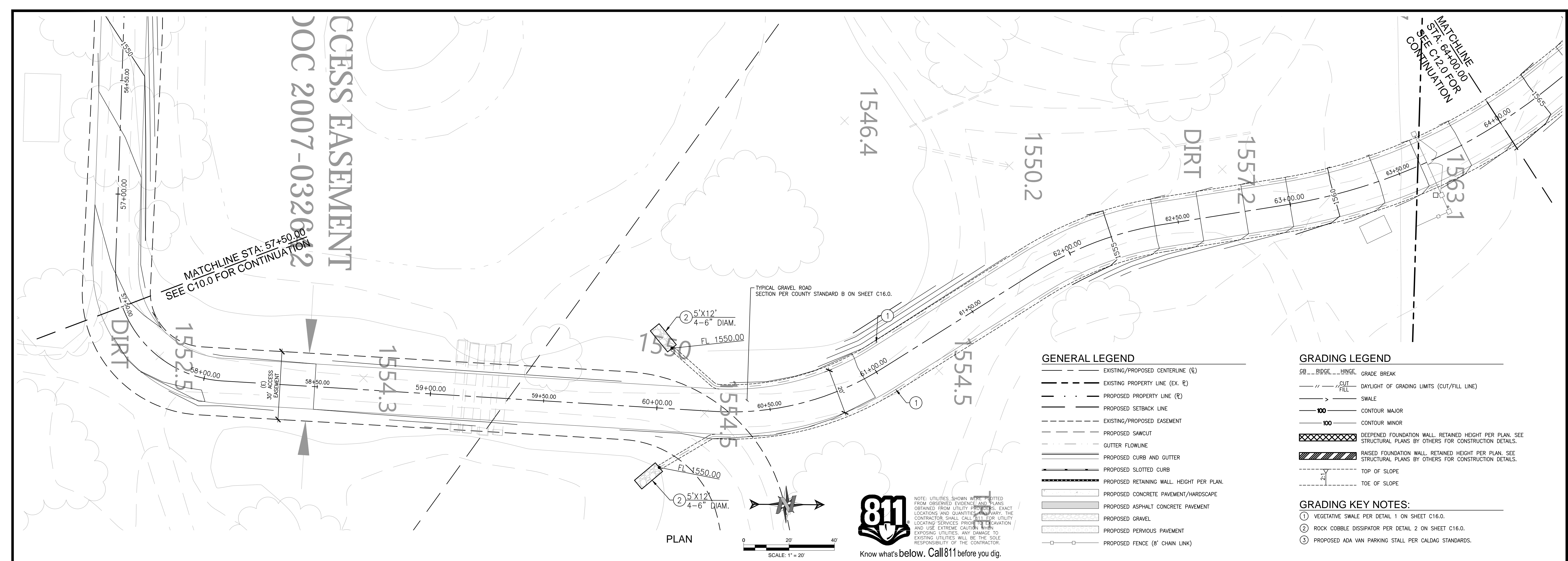


STATION
PROFILE STA: 51+00.00 - 57+50.00

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=20'

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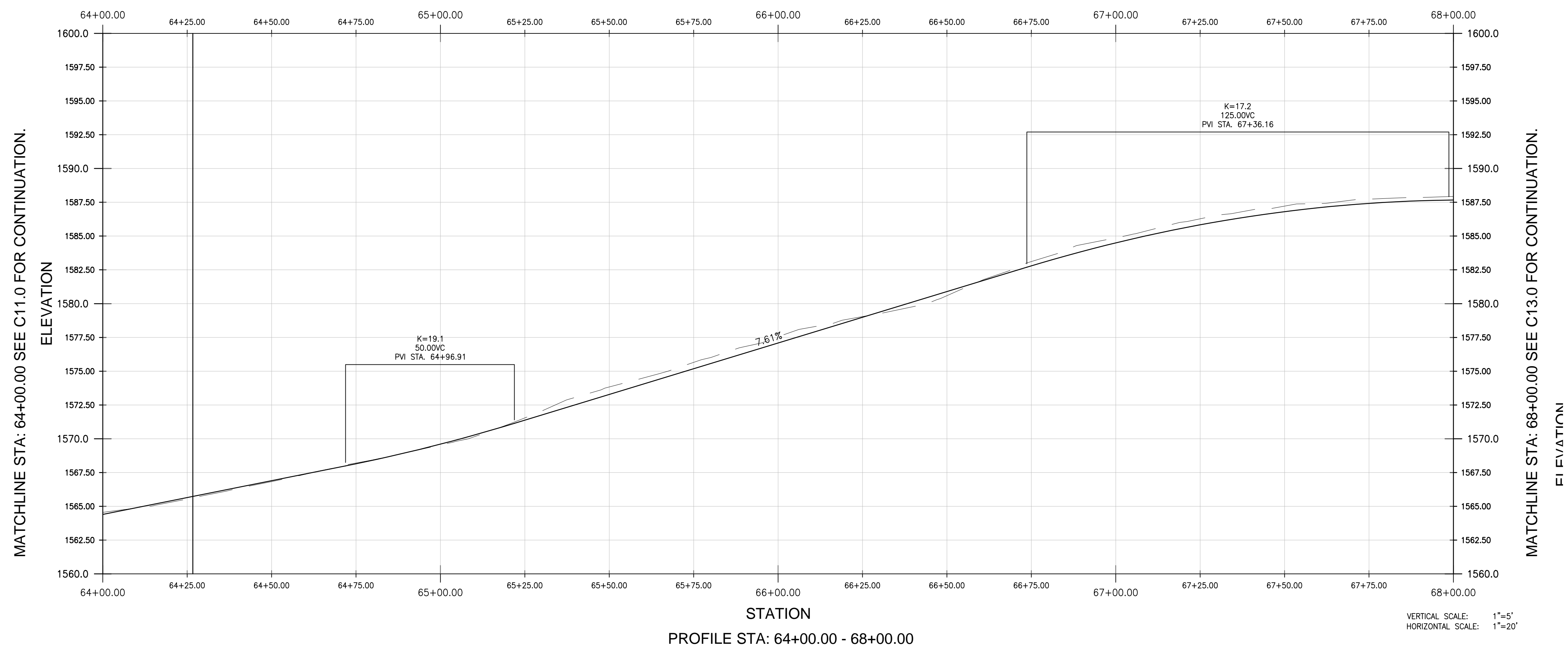
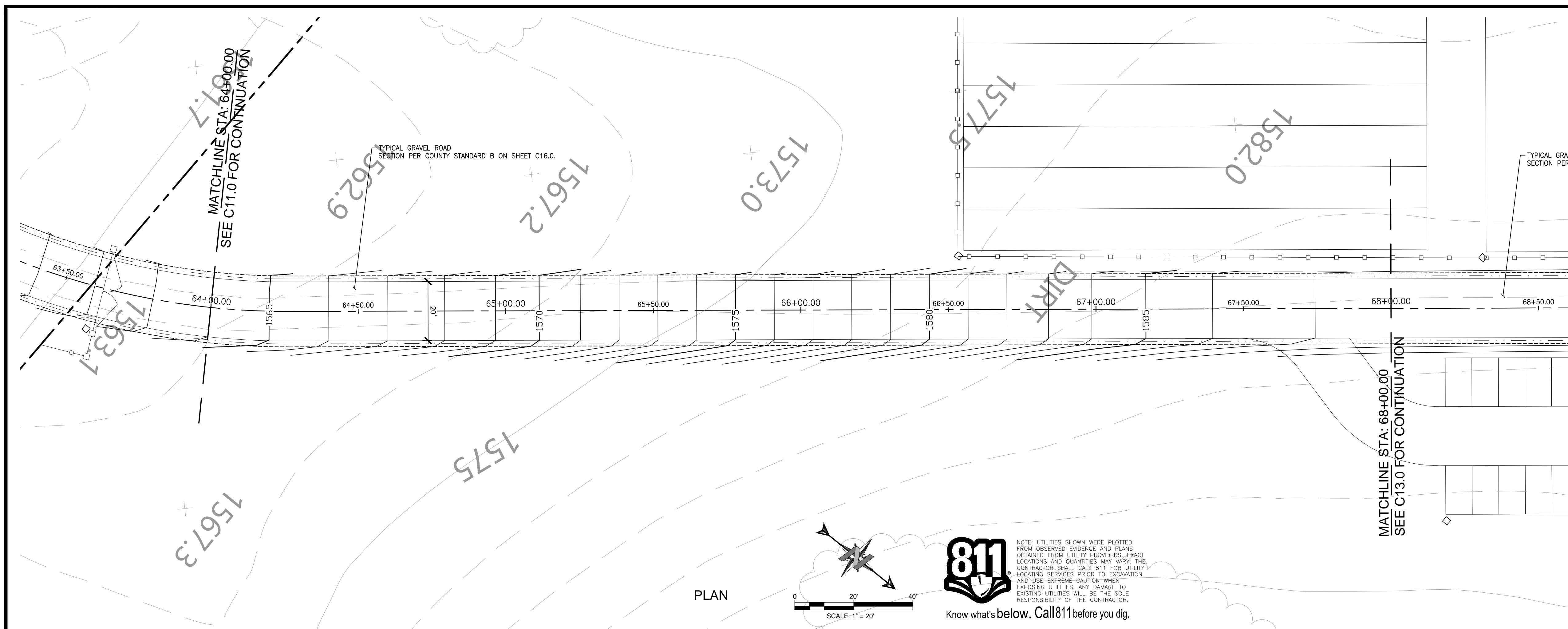


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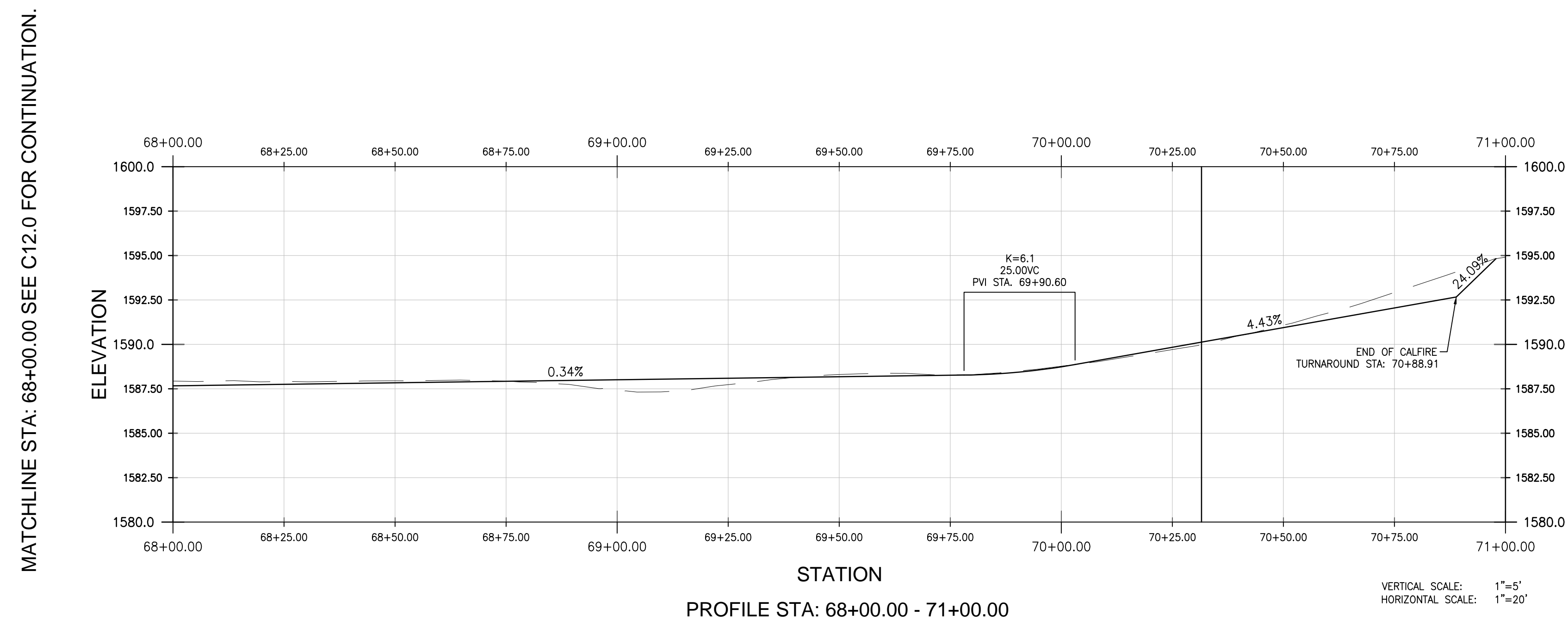
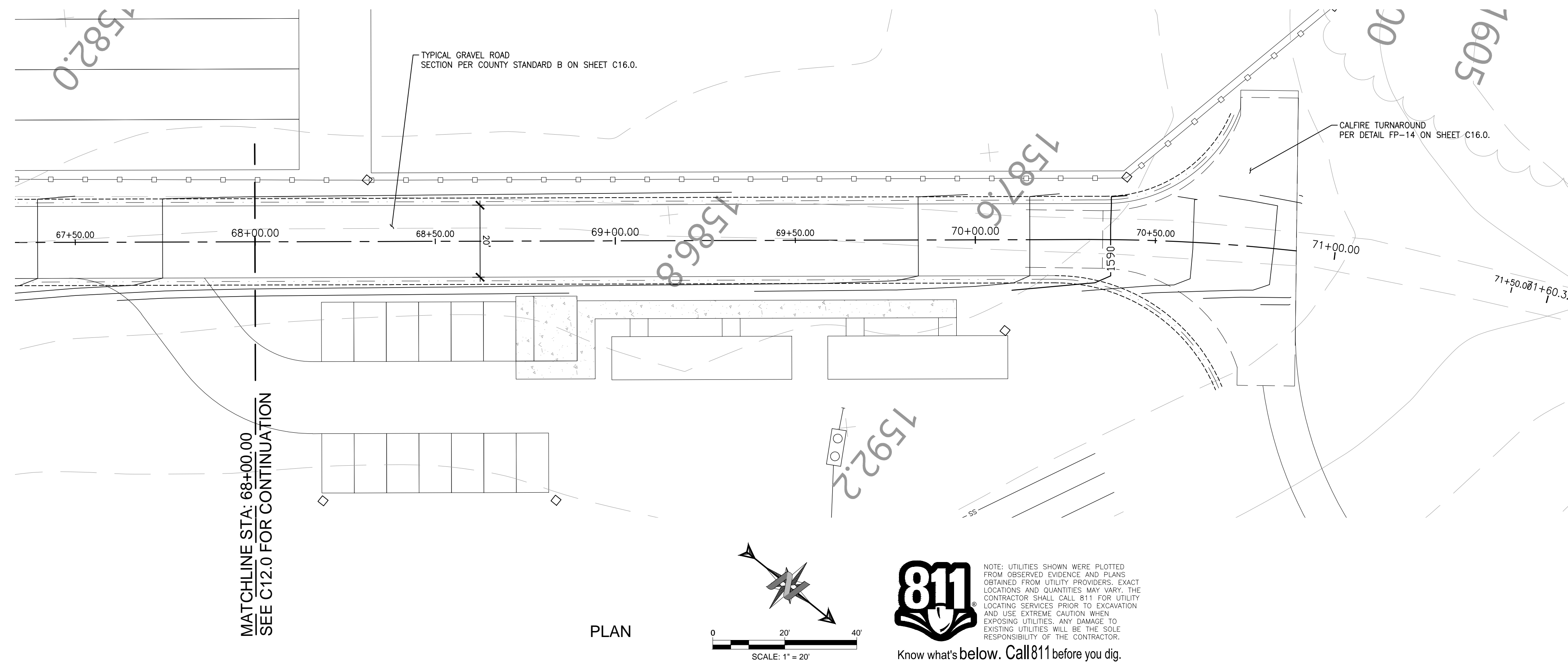
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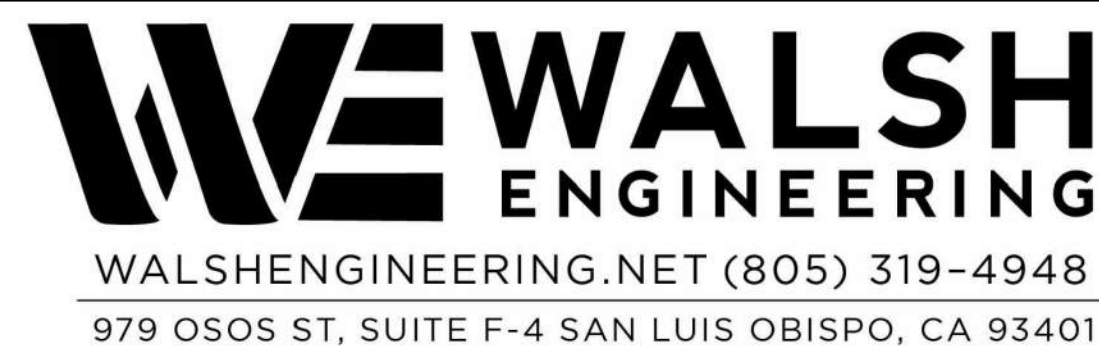
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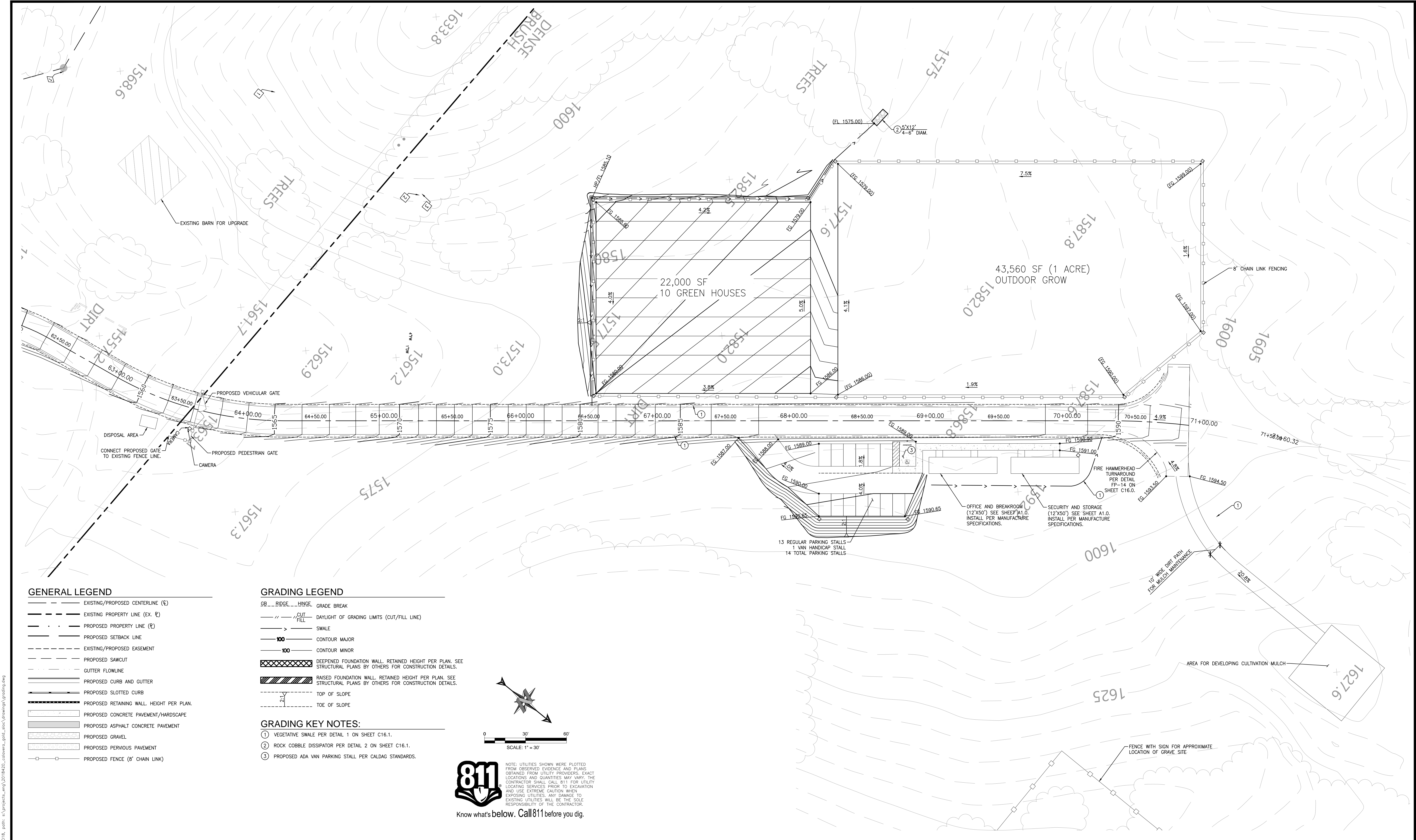
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GENERAL LEGEND

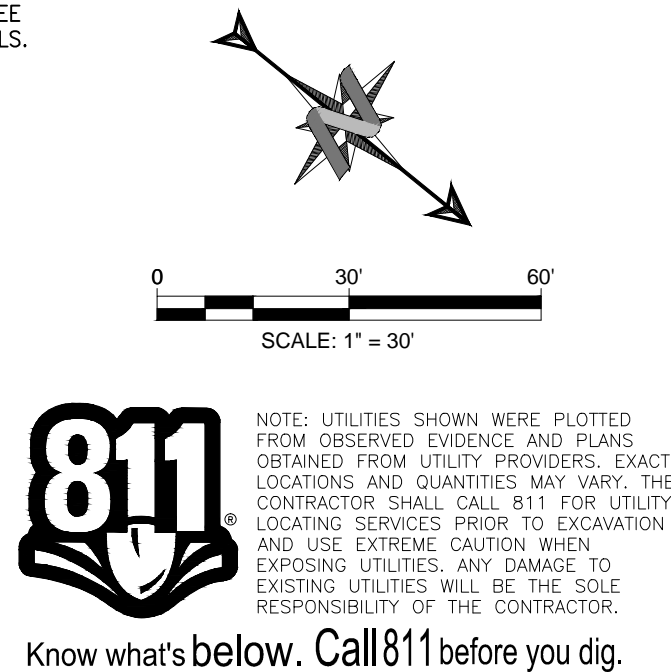
- EXISTING/PROPOSED CENTERLINE (CL)
- EXISTING PROPERTY LINE (EX. PL)
- PROPOSED PROPERTY LINE (PL)
- PROPOSED SETBACK LINE
- EXISTING/PROPOSED EASEMENT
- PROPOSED SAWCUT
- GUTTER FLOWLINE
- PROPOSED CURB AND GUTTER
- PROPOSED SLOTTED CURB
- PROPOSED RETAINING WALL. HEIGHT PER PLAN.
- PROPOSED CONCRETE PAVEMENT/HARDSCAPE
- PROPOSED ASPHALT CONCRETE PAVEMENT
- PROPOSED GRAVEL
- PROPOSED PERVIOUS PAVEMENT
- PROPOSED FENCE (8" CHAIN LINK)

GRADING LEGEND

- SB...RIDGE...HINGE. GRADE BREAK
- DAYLIGHT OF GRADING LIMITS (CUT/FILL LINE)
- CUT
- FILL
- SWALE
- CONTOUR MAJOR
- CONTOUR MINOR
- DEEPEENED FOUNDATION WALL. RETAINED HEIGHT PER PLAN. SEE STRUCTURAL PLANS BY OTHERS FOR CONSTRUCTION DETAILS.
- RAISED FOUNDATION WALL. RETAINED HEIGHT PER PLAN. SEE STRUCTURAL PLANS BY OTHERS FOR CONSTRUCTION DETAILS.
- TOP OF SLOPE
- TOE OF SLOPE

GRADING KEY NOTES:

- VEGETATIVE SWALE PER DETAIL 1 ON SHEET C16.1.
- ROCK COBBLE DISSIPATOR PER DETAIL 2 ON SHEET C16.1.
- PROPOSED ADA VAN PARKING STALL PER CALDAG STANDARDS.



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GRADING & DRAINAGE

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- GENERAL LEGEND**
- EXISTING/PROPOSED CENTERLINE (CL)
 - EXISTING PROPERTY LINE (EX. PL)
 - PROPOSED PROPERTY LINE (PL)
 - PROPOSED SETBACK LINE
 - EXISTING/PROPOSED EASEMENT
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 - PROPOSED ASPHALT CONCRETE PAVEMENT
 - PROPOSED GRAVEL
 - PROPOSED PERVIOUS PAVEMENT

- WATER LEGEND:**
- 6"DW DOMESTIC WATER SERVICE AND SIZE (DW)
 - 8"FW FIRE WATER SERVICE AND SIZE (FW)
 - GATE VALVE
 - FIRE HYDRANT (FH)
 - POST INDICATOR VALVE (PIV)
 - FIRE DEPARTMENT CONNECTION (FDC)
 - BACKFLOW DEVICE FOR FIRE SERVICE (RPZ OR DDC)
 - BACKFLOW DEVICE FOR DOMESTIC SERVICE (RPZ)
 - DOMESTIC WATER METER
 - IRRIGATION METER (DESIGN BY OTHERS)
 - THRUST BLOCK

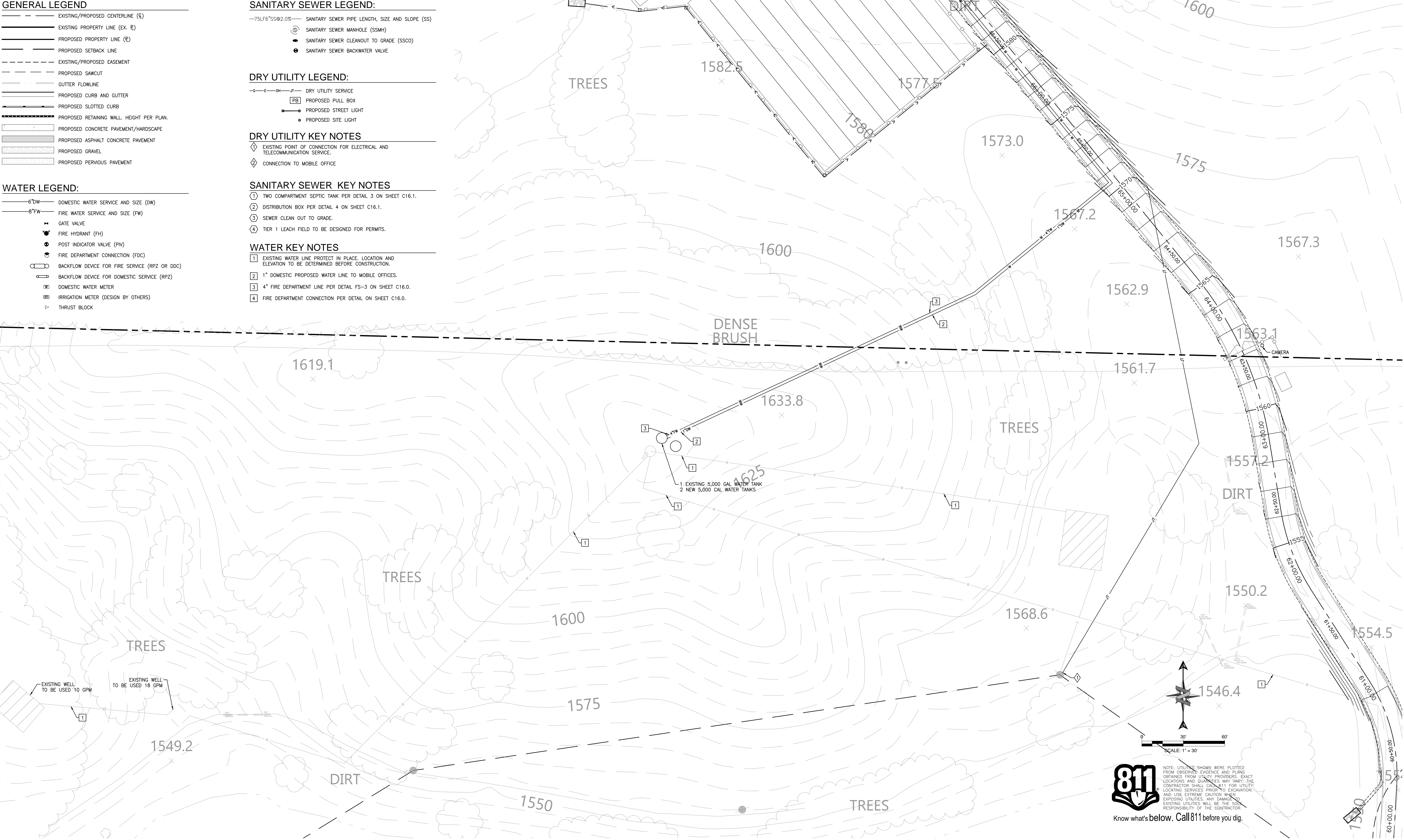
- SANITARY SEWER LEGEND:**
- 75LF6"SS@2.0% SANITARY SEWER PIPE LENGTH, SIZE AND SLOPE (SS)
 - SANITARY SEWER MANHOLE (SSMH)
 - SANITARY SEWER CLEANOUT TO GRADE (SSCO)
 - SANITARY SEWER BACKWATER VALVE

- DRY UTILITY LEGEND:**
- DRY UTILITY SERVICE
 - PROPOSED PULL BOX
 - PROPOSED STREET LIGHT
 - PROPOSED SITE LIGHT

- DRY UTILITY KEY NOTES**
- EXISTING POINT OF CONNECTION FOR ELECTRICAL AND TELECOMMUNICATION SERVICE.
 - CONNECTION TO MOBILE OFFICE.

- SANITARY SEWER KEY NOTES**
- TWO COMPARTMENT SEPTIC TANK PER DETAIL 3 ON SHEET C16.1.
 - DISTRIBUTION BOX PER DETAIL 4 ON SHEET C16.1.
 - SEWER CLEAN OUT TO GRADE.
 - TIER 1 LEACH FIELD TO BE DESIGNED FOR PERMITS.

- WATER KEY NOTES**
- EXISTING WATER LINE PROTECT IN PLACE. LOCATION AND ELEVATION TO BE DETERMINED BEFORE CONSTRUCTION.
 - 1" DOMESTIC PROPOSED WATER LINE TO MOBILE OFFICES.
 - 4" FIRE DEPARTMENT LINE PER DETAIL FS-3 ON SHEET C16.0.
 - FIRE DEPARTMENT CONNECTION PER DETAIL ON SHEET C16.0.



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CALAVERA GOLD
GOLDEN POND WAY CRESTON, CA 93432



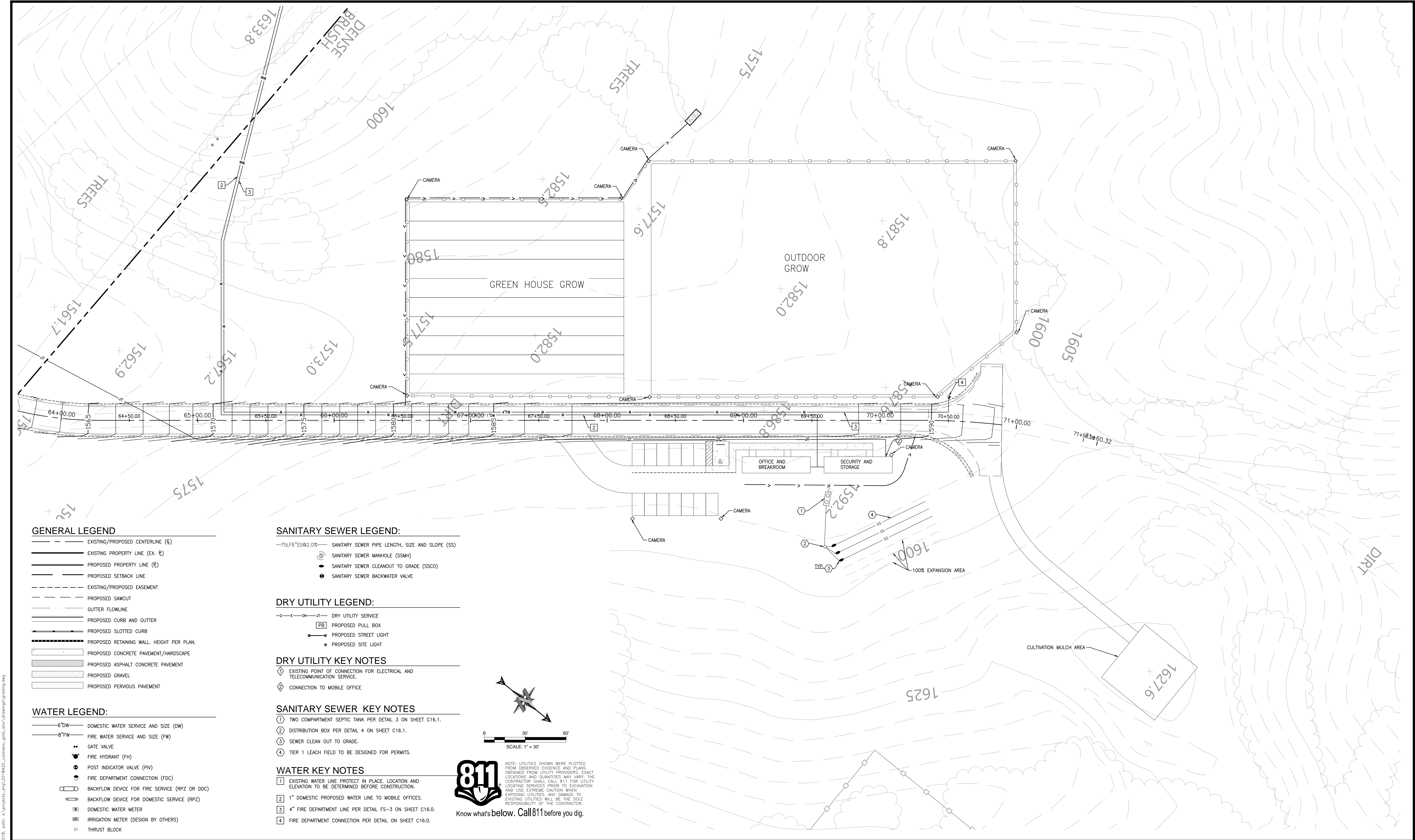
DESIGNED BY:	DAP
DRAFTED BY:	DAP
CHECKED BY:	MRW
DATE:	12/21/2018

UTILITIES

SHEET
C15.0

saved: 12/21/2018, plotted: 12/21/2018, path: s:\projects_eng\2018420_calavera_gold\sec\drawings\grading.dwg

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GENERAL LEGEND

- EXISTING/PROPOSED CENTERLINE (CL)
- EXISTING PROPERTY LINE (EX. PL)
- PROPOSED PROPERTY LINE (PL)
- PROPOSED SETBACK LINE
- EXISTING/PROPOSED EASEMENT
- PROPOSED SAWCUT
- GUTTER FLOWLINE
- PROPOSED CURB AND GUTTER
- PROPOSED SLOTTED CURB
- PROPOSED RETAINING WALL, HEIGHT PER PLAN.
- PROPOSED CONCRETE PAVEMENT/HARDSCAPE
- PROPOSED ASPHALT CONCRETE PAVEMENT
- PROPOSED GRAVEL
- PROPOSED PERVIOUS PAVEMENT

WATER LEGEND:

- 6" DW DOMESTIC WATER SERVICE AND SIZE (DW)
- 8" FW FIRE WATER SERVICE AND SIZE (FW)
- GATE VALVE
- FIRE HYDRANT (FH)
- POST INDICATOR VALVE (PIV)
- FIRE DEPARTMENT CONNECTION (FDC)
- BACKFLOW DEVICE FOR FIRE SERVICE (RPZ OR DDC)
- BACKFLOW DEVICE FOR DOMESTIC SERVICE (RPZ)
- DOMESTIC WATER METER
- IRRIGATION METER (DESIGN BY OTHERS)
- THRUST BLOCK

SANITARY SEWER LEGEND:

- 75 LF 6" SS @ 2.0% SANITARY SEWER PIPE LENGTH, SIZE AND SLOPE (SS)
- SANITARY SEWER MANHOLE (SSMH)
- SANITARY SEWER CLEANOUT TO GRADE (SSCO)
- SANITARY SEWER BACKWATER VALVE

DRY UTILITY LEGEND:

- DRY UTILITY SERVICE
- PROPOSED PULL BOX
- PROPOSED STREET LIGHT
- PROPOSED SITE LIGHT

DRY UTILITY KEY NOTES

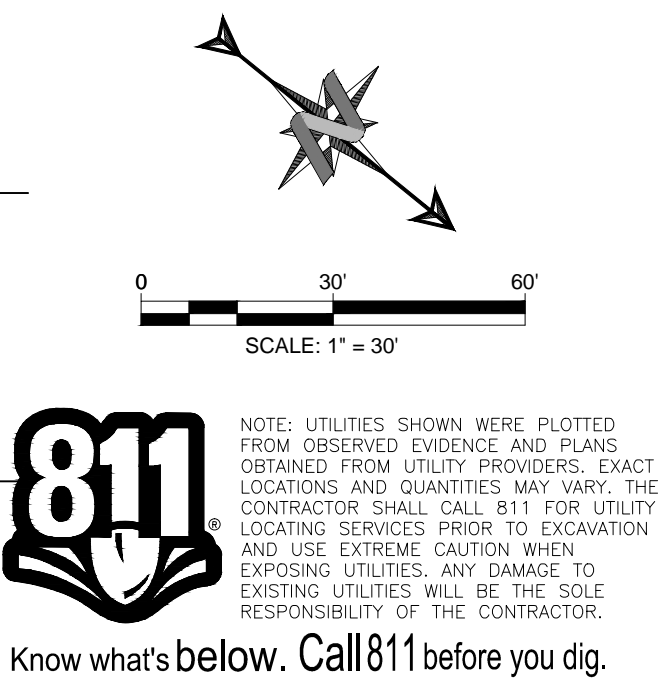
- EXISTING POINT OF CONNECTION FOR ELECTRICAL AND TELECOMMUNICATION SERVICE.
- CONNECTION TO MOBILE OFFICE

SANITARY SEWER KEY NOTES

- TWO COMPARTMENT SEPTIC TANK PER DETAIL 3 ON SHEET C16.1.
- DISTRIBUTION BOX PER DETAIL 4 ON SHEET C16.1.
- SEWER CLEAN OUT TO GRADE.
- TIER 1 LEACH FIELD TO BE DESIGNED FOR PERMITS.

WATER KEY NOTES

- EXISTING WATER LINE PROTECT IN PLACE, LOCATION AND ELEVATION TO BE DETERMINED BEFORE CONSTRUCTION.
- 1" DOMESTIC PROPOSED WATER LINE TO MOBILE OFFICES.
- 4" FIRE DEPARTMENT LINE PER DETAIL PS-3 ON SHEET C16.0.
- FIRE DEPARTMENT CONNECTION PER DETAIL ON SHEET C16.0.



NOTE: UTILITIES SHOWN WERE PLOTTED FROM OBSERVED EVIDENCE AND PLANS OBTAINED FROM UTILITY PROVIDERS. EXACT LOCATIONS AND QUANTITIES MAY VARY. THE CONTRACTOR SHALL CALL 811 FOR UTILITY LOCATING SERVICES PRIOR TO EXCAVATION AND USE EXTREME CAUTION WHEN EXPOSING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

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RITO GUTIERREZ
CALAVERA GOLD
GOLDEN POND WAY CRESTON, CA 93432

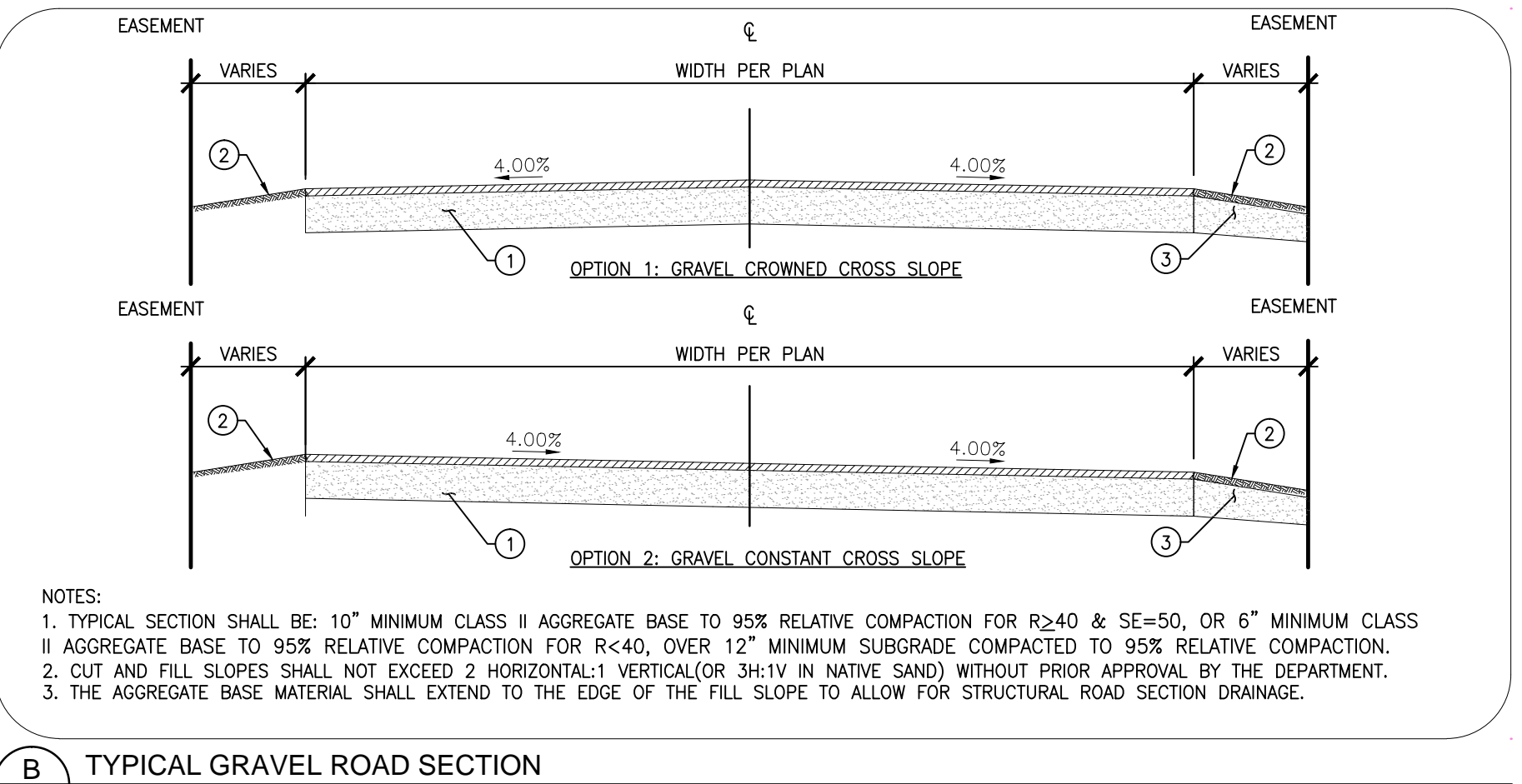
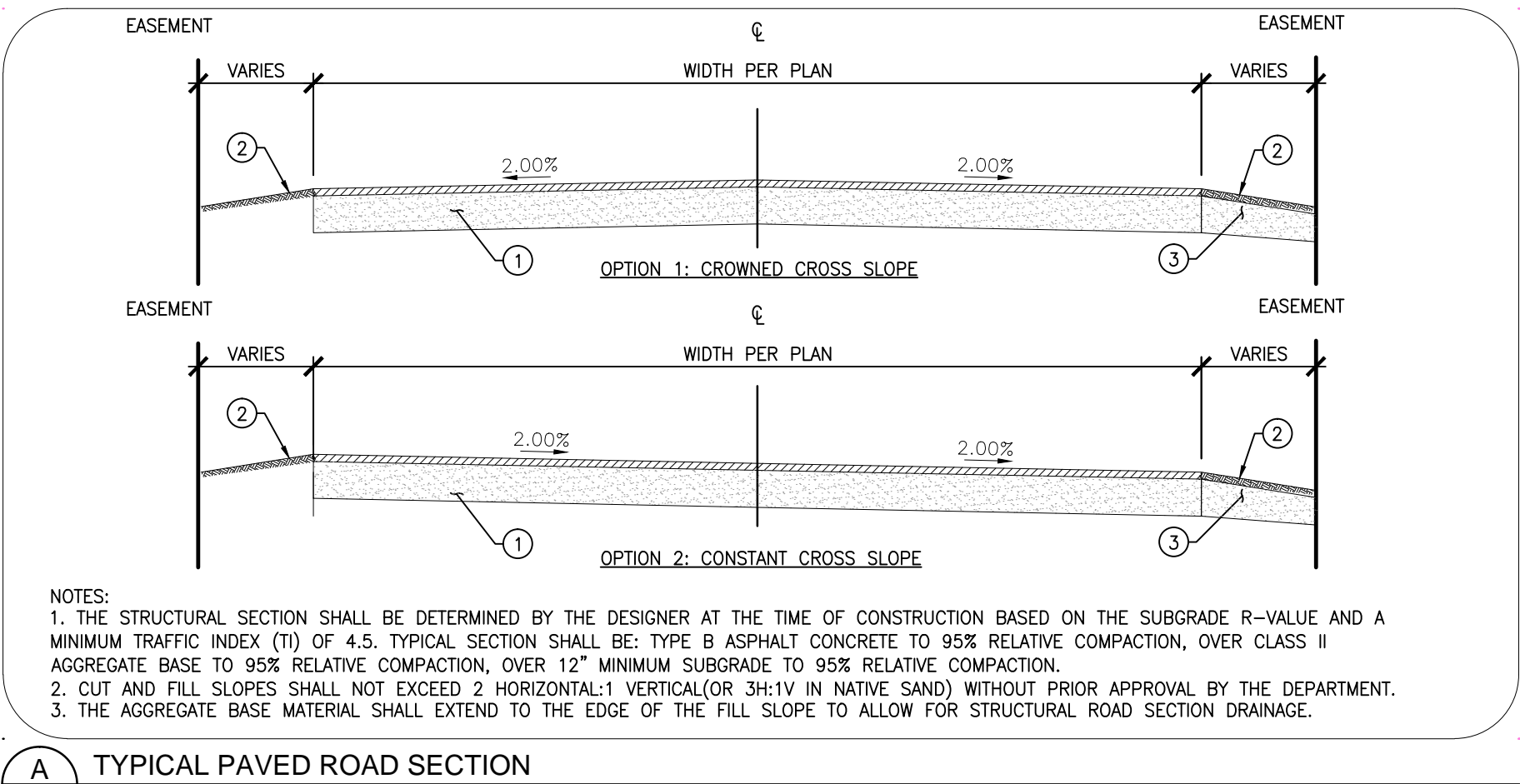
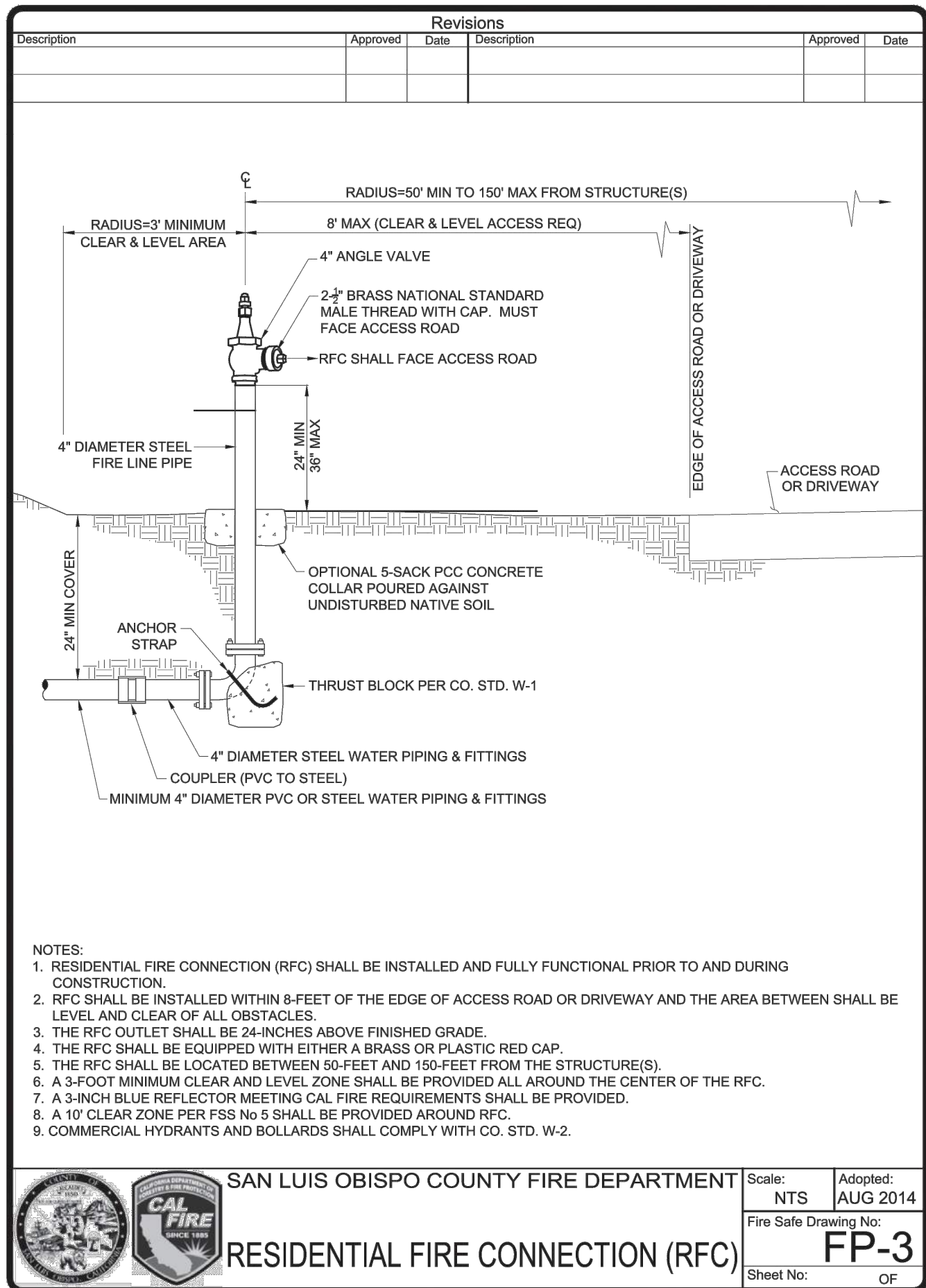
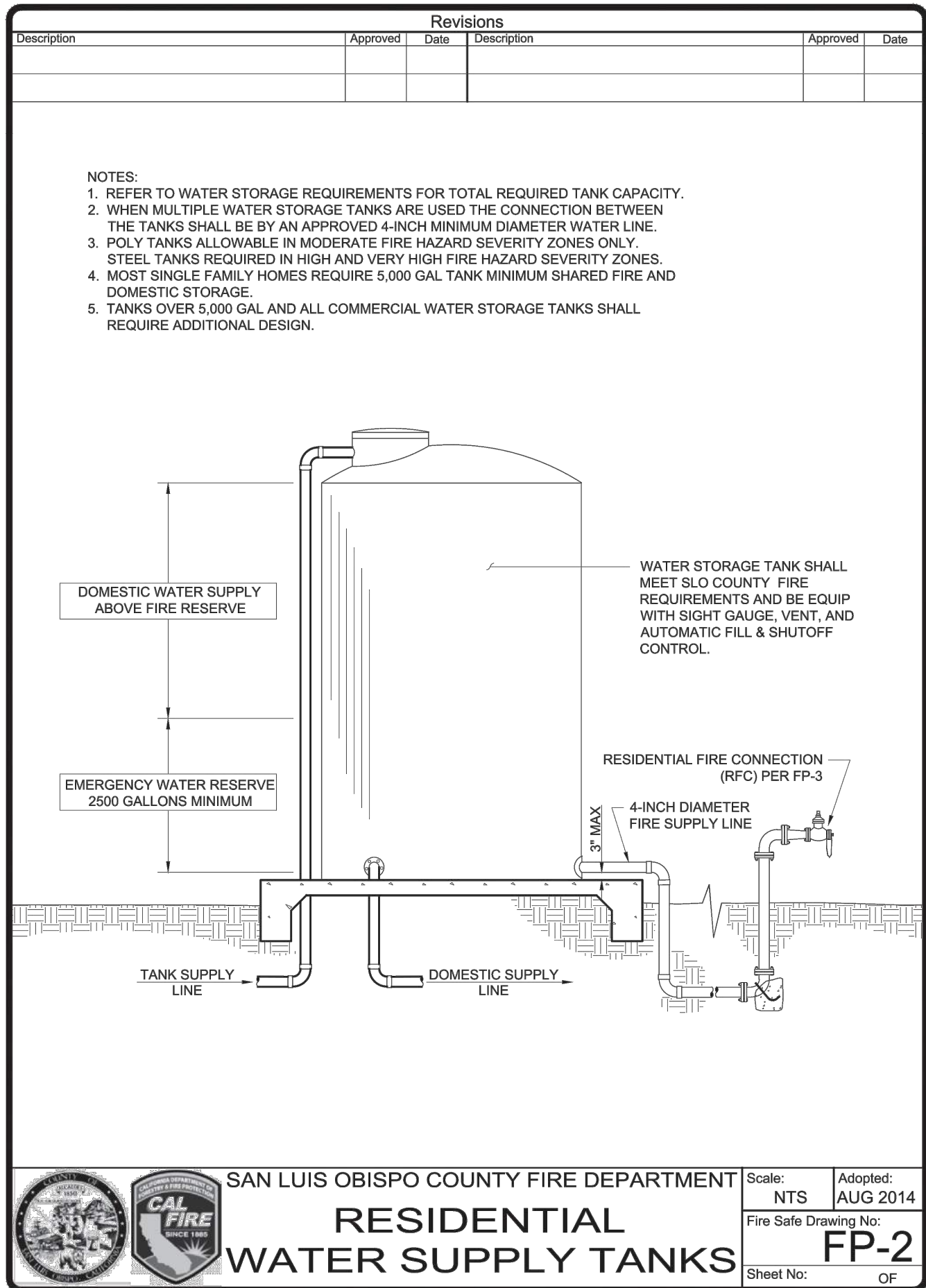
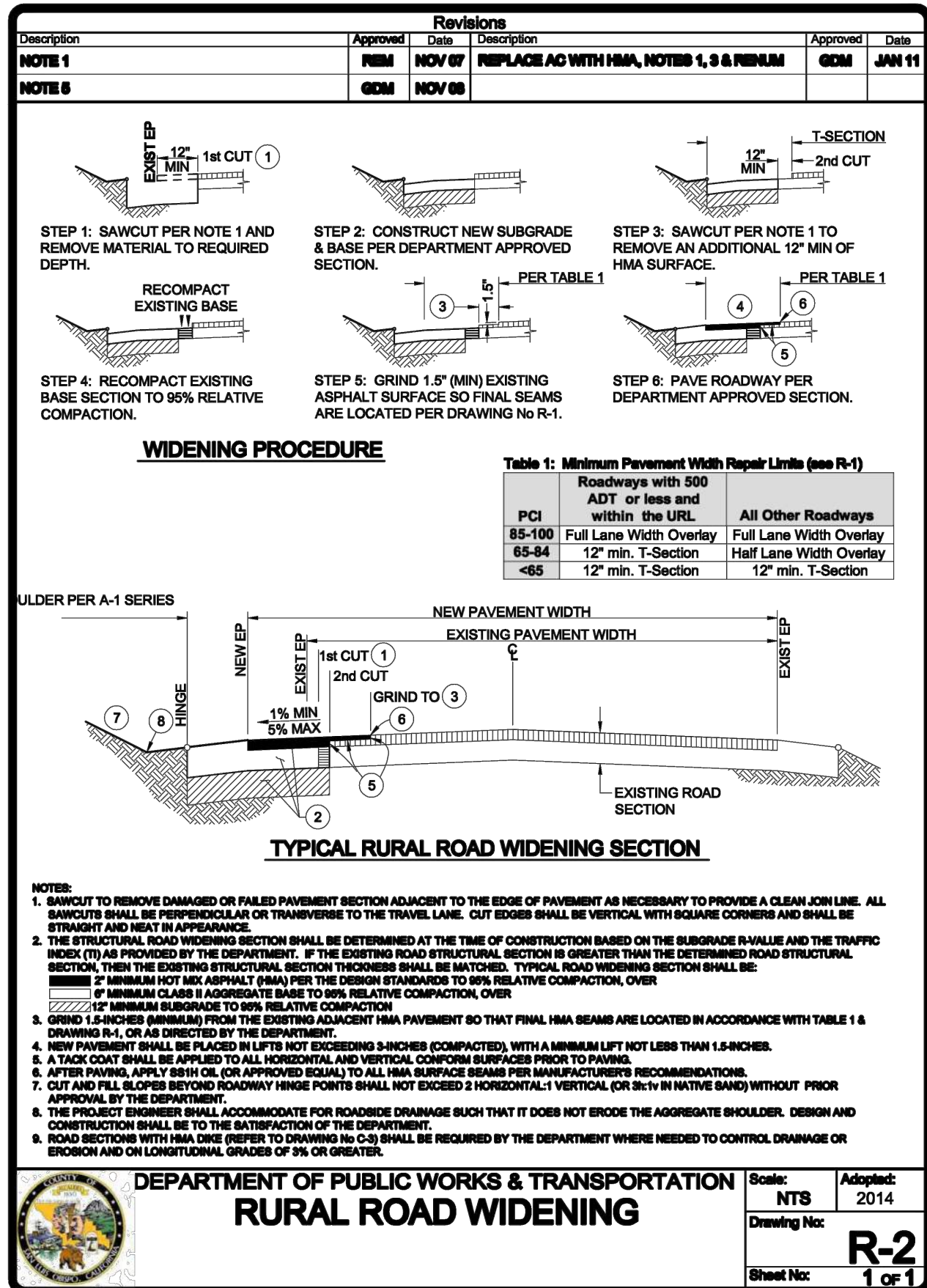
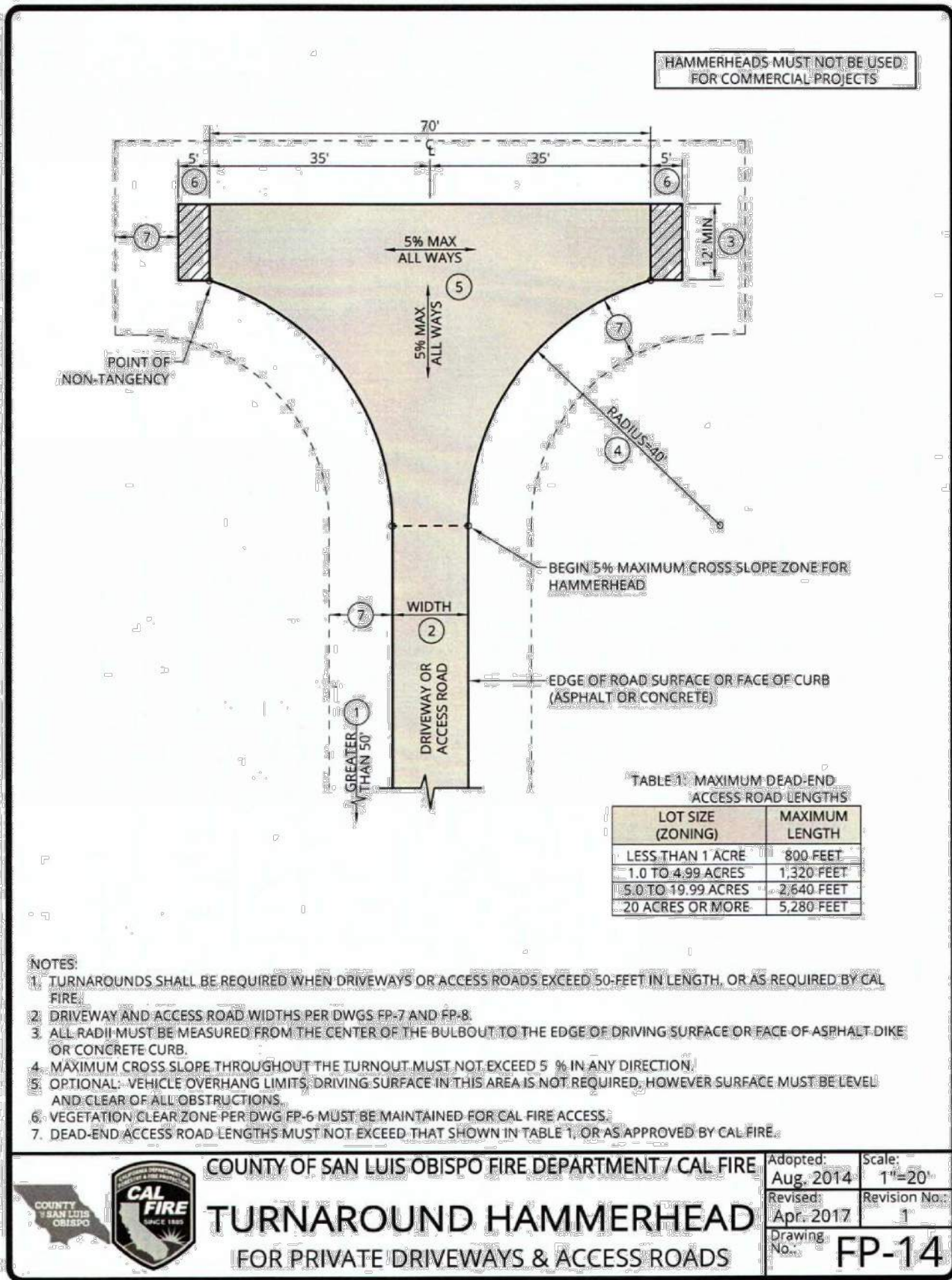


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DATE: 12/21/2018

UTILITIES

SHEET

C15.1



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DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
RURAL ROAD WIDENING

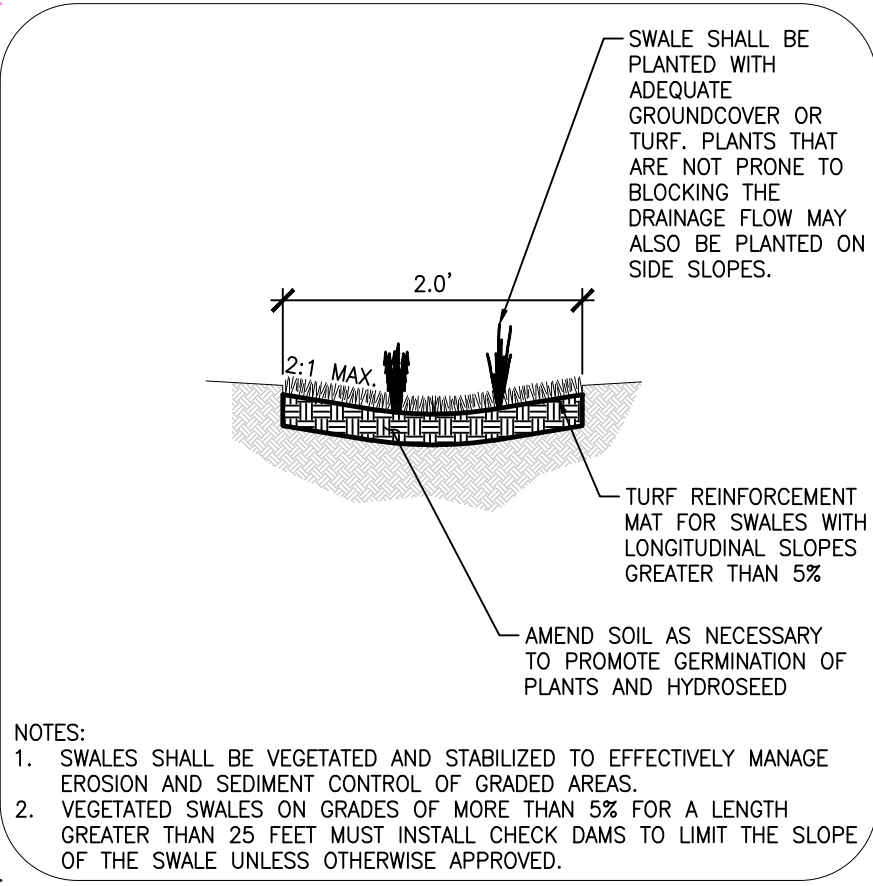
SAN LUIS OBISPO COUNTY FIRE DEPARTMENT
RESIDENTIAL WATER SUPPLY TANKS

SAN LUIS OBISPO COUNTY FIRE DEPARTMENT
RESIDENTIAL FIRE CONNECTION (RFC)

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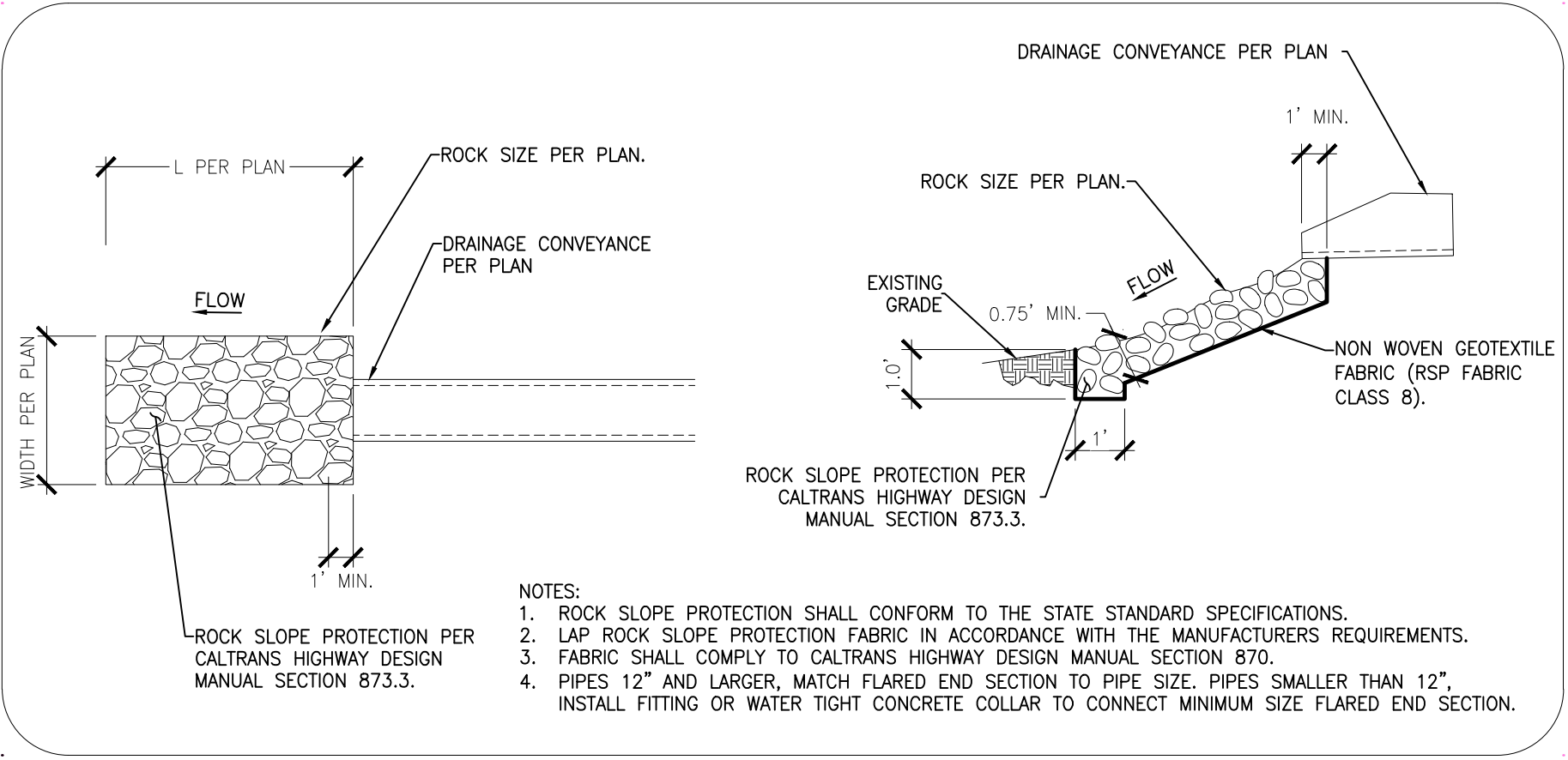
SECTIONS & DETAILS

C16.0



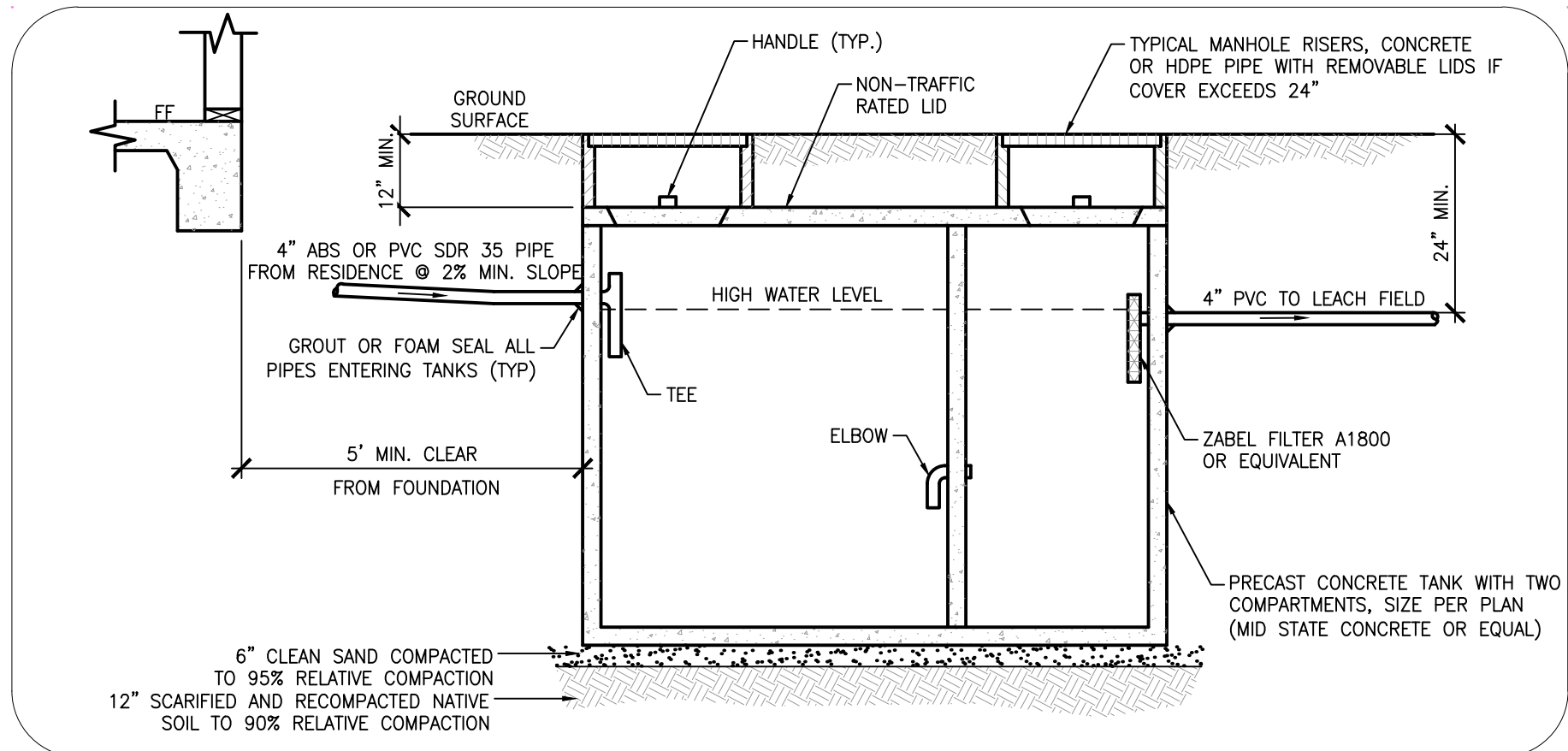
1 VEGETATED SWALE

NTS



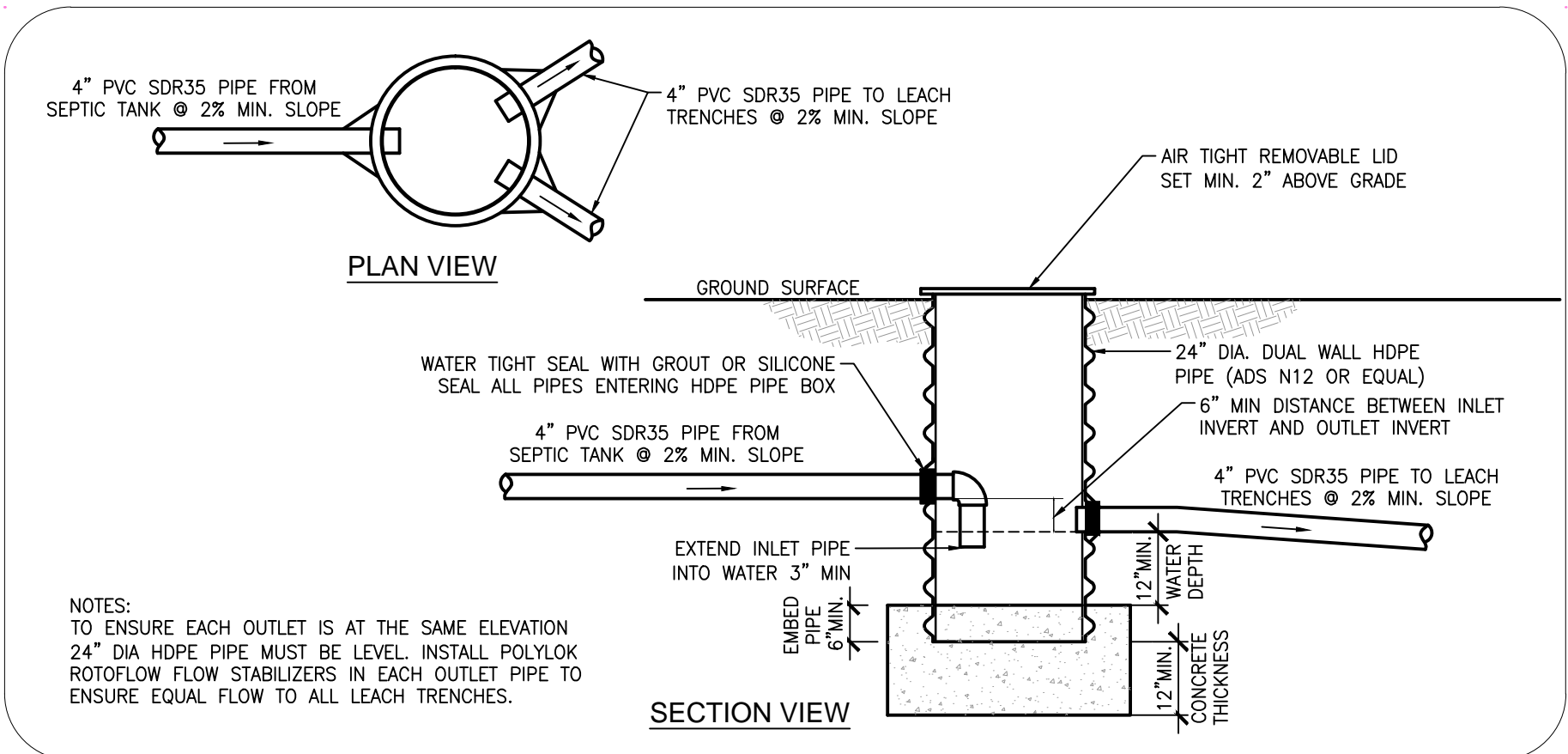
2 ROCK SLOPE PROTECTION ENERGY DISSIPATOR

NTS



3 SEPTIC TANK

NTS



4 DISTRIBUTION BOX

NTS

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SECTIONS &
DETAILS

SHEET

C16.1



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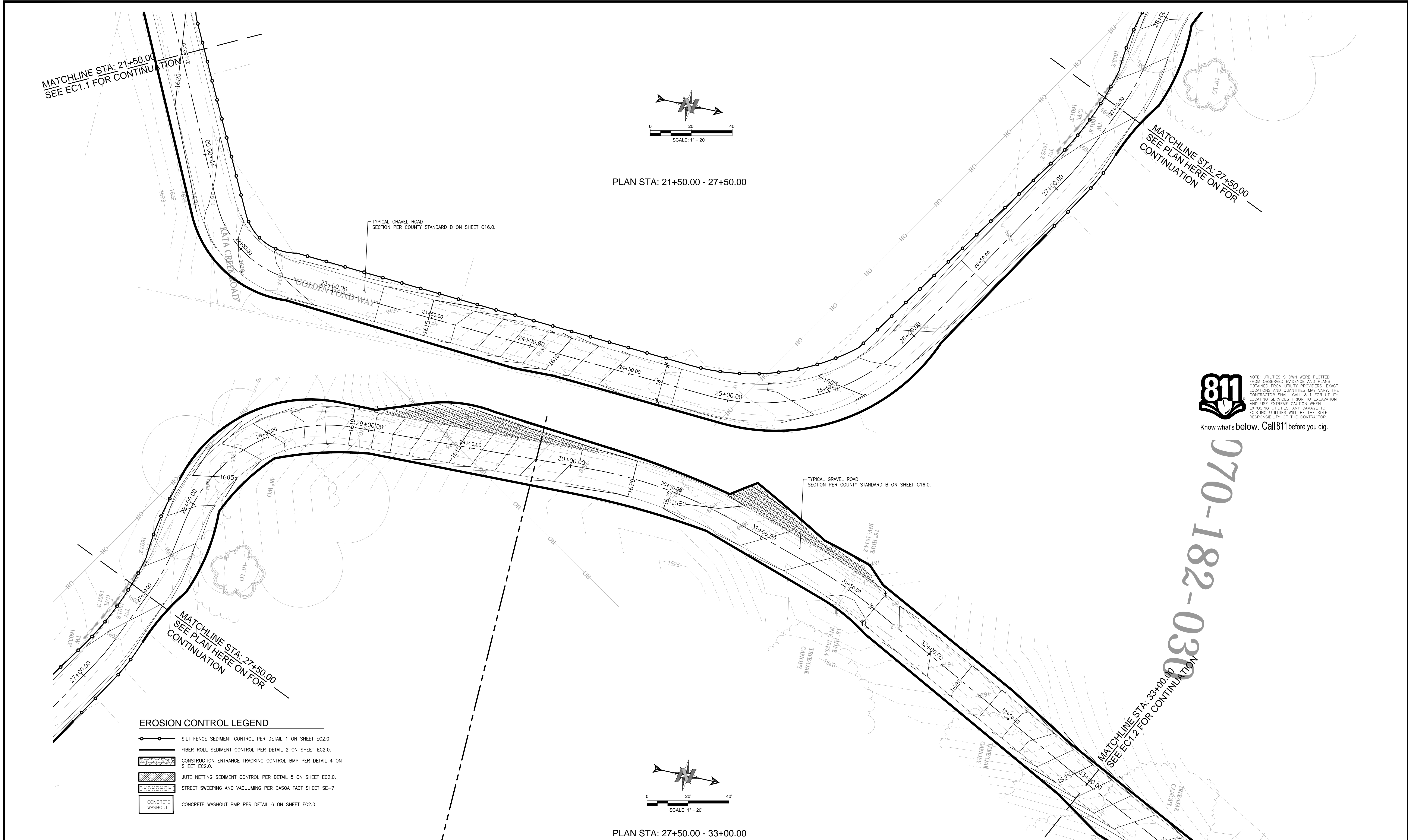
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EROSION & SEDIMENT CONTROL PLAN

EC1.0

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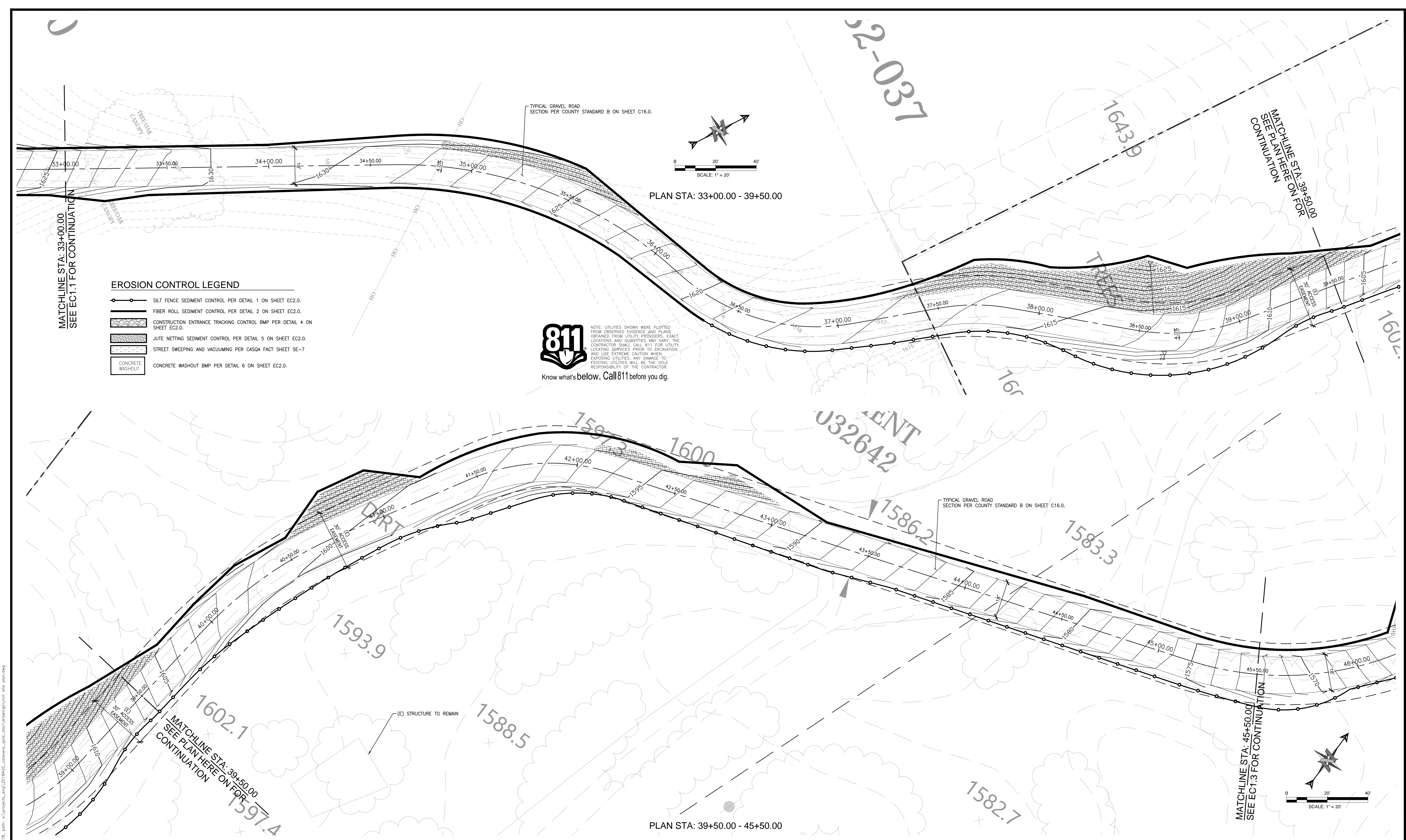


Know what's below. Call 811 before you dig.

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070-182-0300

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- EROSION CONTROL LEGEND**
- SILT FENCE SEDIMENT CONTROL PER DETAIL 1 ON SHEET EC2.0.
 - FIBER ROLL SEDIMENT CONTROL PER DETAIL 2 ON SHEET EC2.0.
 - CONSTRUCTION ENTRANCE TRACKING CONTROL BMP PER DETAIL 4 ON SHEET EC2.0.
 - JUTE NETTING SEDIMENT CONTROL PER DETAIL 5 ON SHEET EC2.0.
 - STREET SWEEPING AND VACUUMING PER CASQA FACT SHEET SE-7
 - CONCRETE WASHOUT BMP PER DETAIL 6 ON SHEET EC2.0.



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RITO GUTIERREZ

CALAVERA GOLD

GOLDEN POND WAY CRESTON, CA 93432

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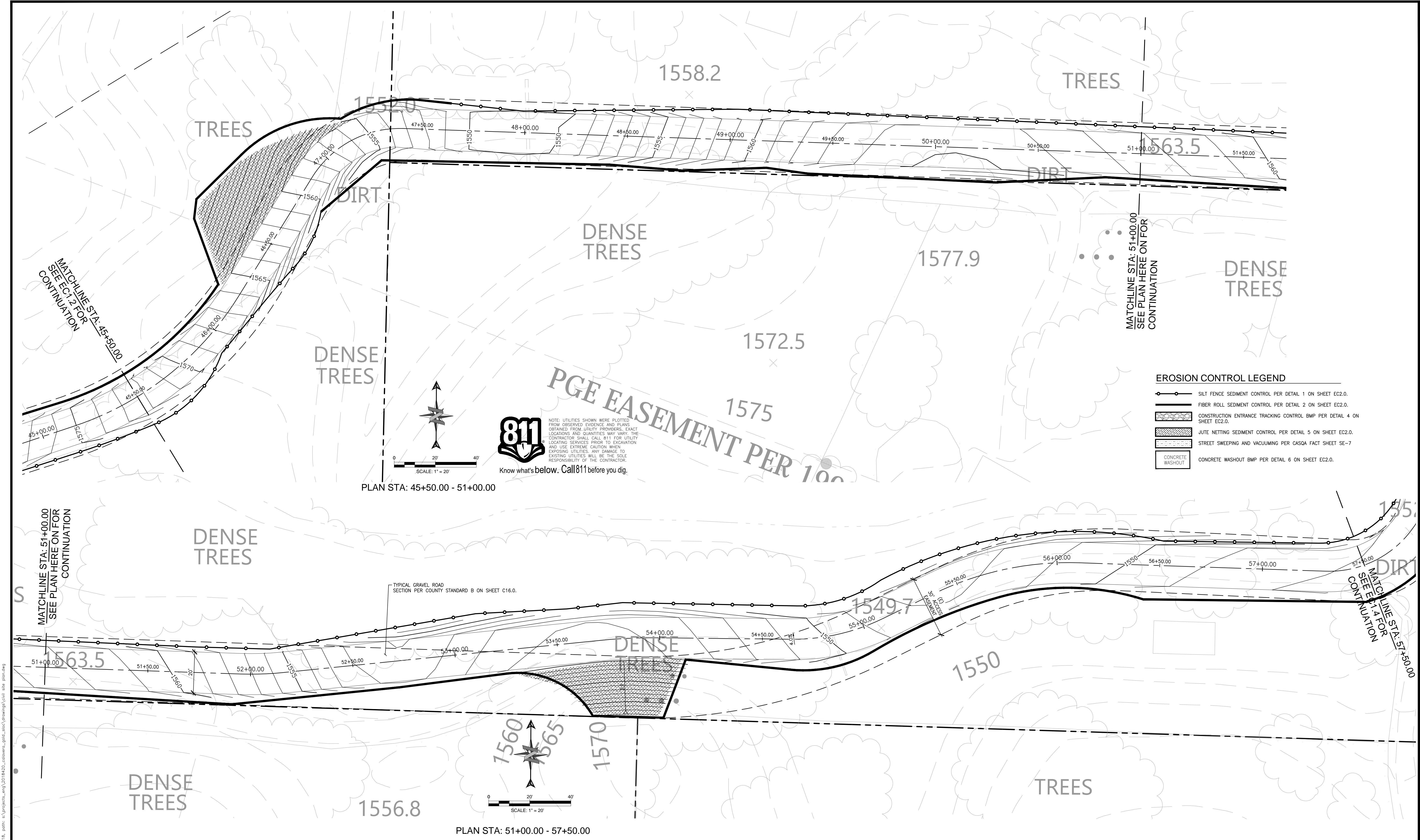
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DATE: 12/21/2018

EROSION & SEDIMENT CONTROL PLAN

SHEET

EC1.2



- EROSION CONTROL LEGEND**
- SILT FENCE SEDIMENT CONTROL PER DETAIL 1 ON SHEET EC2.0.
 - FIBER ROLL SEDIMENT CONTROL PER DETAIL 2 ON SHEET EC2.0.
 - CONSTRUCTION ENTRANCE TRACKING CONTROL BMP PER DETAIL 4 ON SHEET EC2.0.
 - JUTE NETTING SEDIMENT CONTROL PER DETAIL 5 ON SHEET EC2.0.
 - STREET SWEEPING AND VACUUMING PER CASQA FACT SHEET SE-7
 - CONCRETE WASHOUT
 - CONCRETE WASHOUT BMP PER DETAIL 6 ON SHEET EC2.0.

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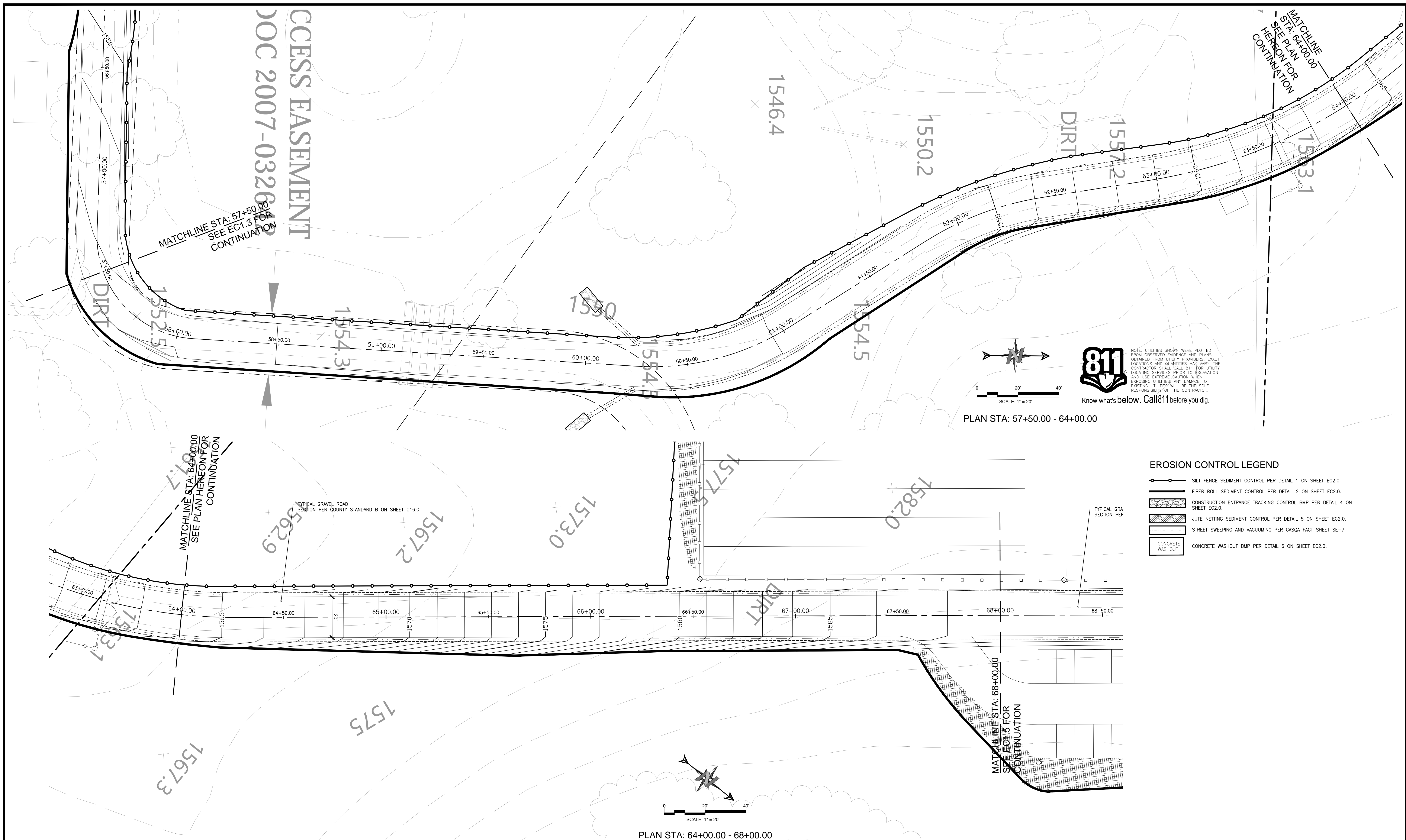


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EROSION & SEDIMENT CONTROL PLAN

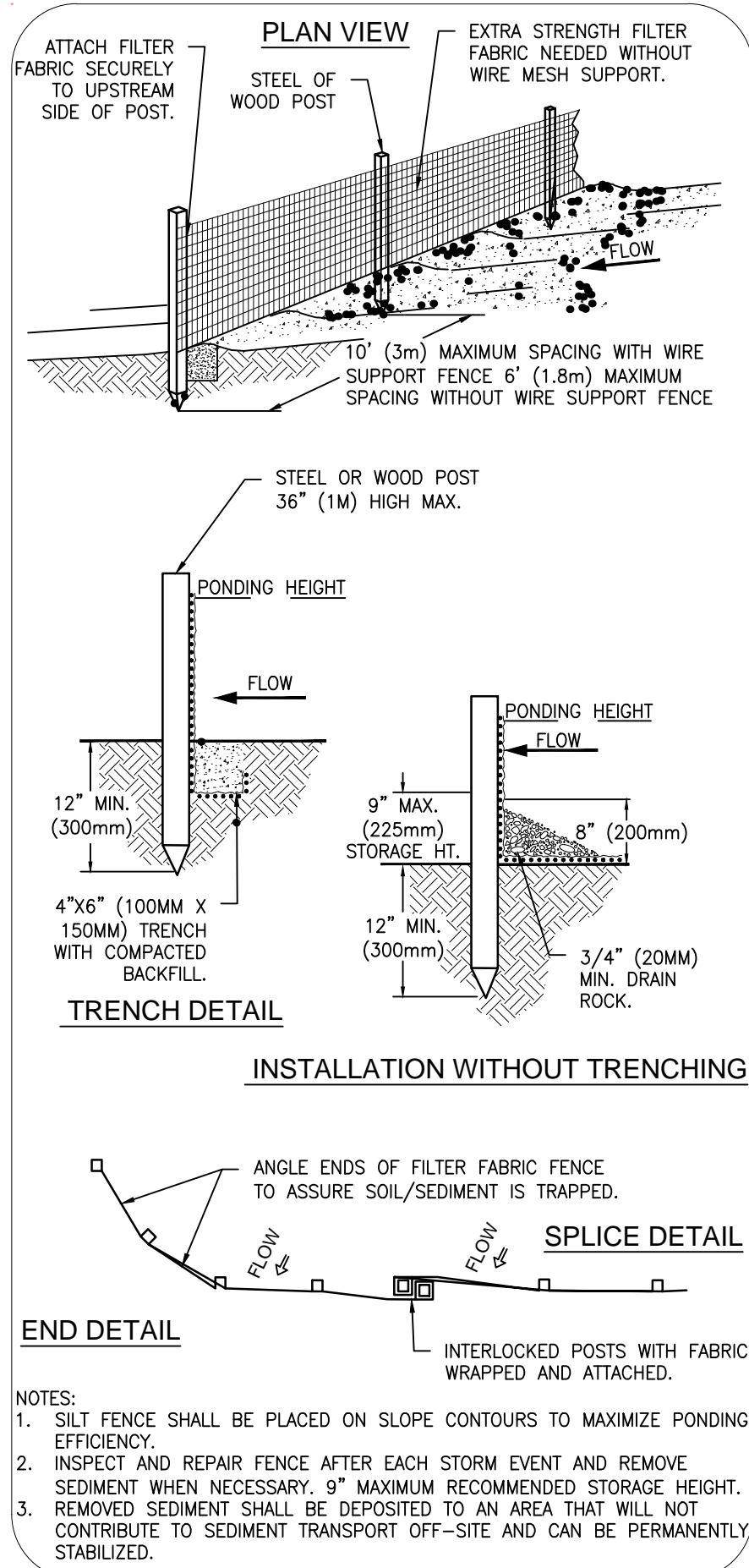
SHEET
EC1.3

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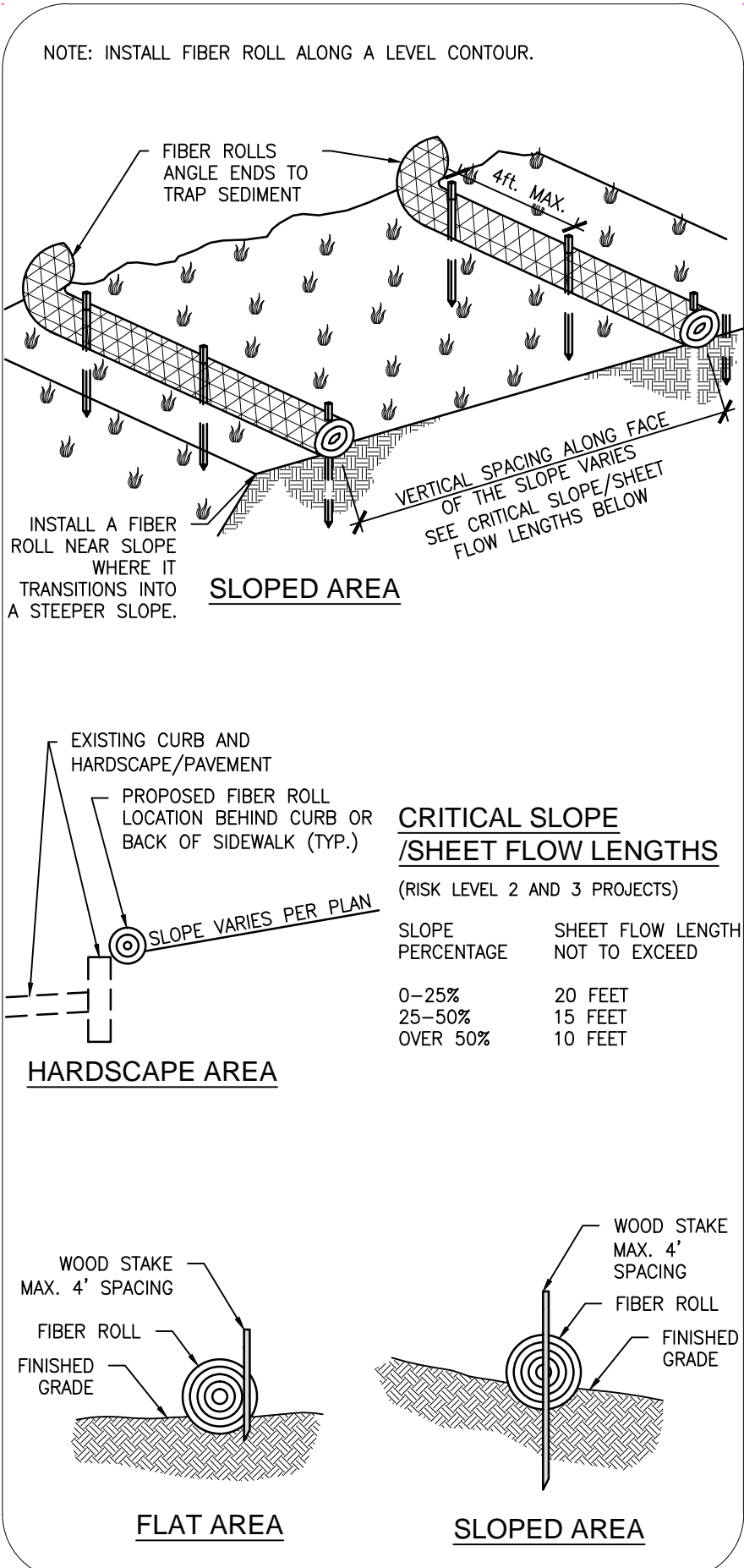
NO.	DATE	REVISIONS	 <p>WALSH ENGINEERING WALSHENGINEERING.NET (805) 319-4948 979 OSOS ST, SUITE F-4 SAN LUIS OBISPO, CA 93401</p>	<p>RITO GUTIERREZ</p> <p>CALAVERA GOLD</p> <p>GOLDEN POND WAY CRESTON, CA 93432</p>		<p>DESIGNED BY: DAP</p> <p>DRAFTED BY: DAP</p> <p>CHECKED BY: MRW</p> <p>DATE: 12/21/2018</p>	<p>EROSION & SEDIMENT CONTROL PLAN</p>	<p>SHEET</p> <p>EC1.4</p>
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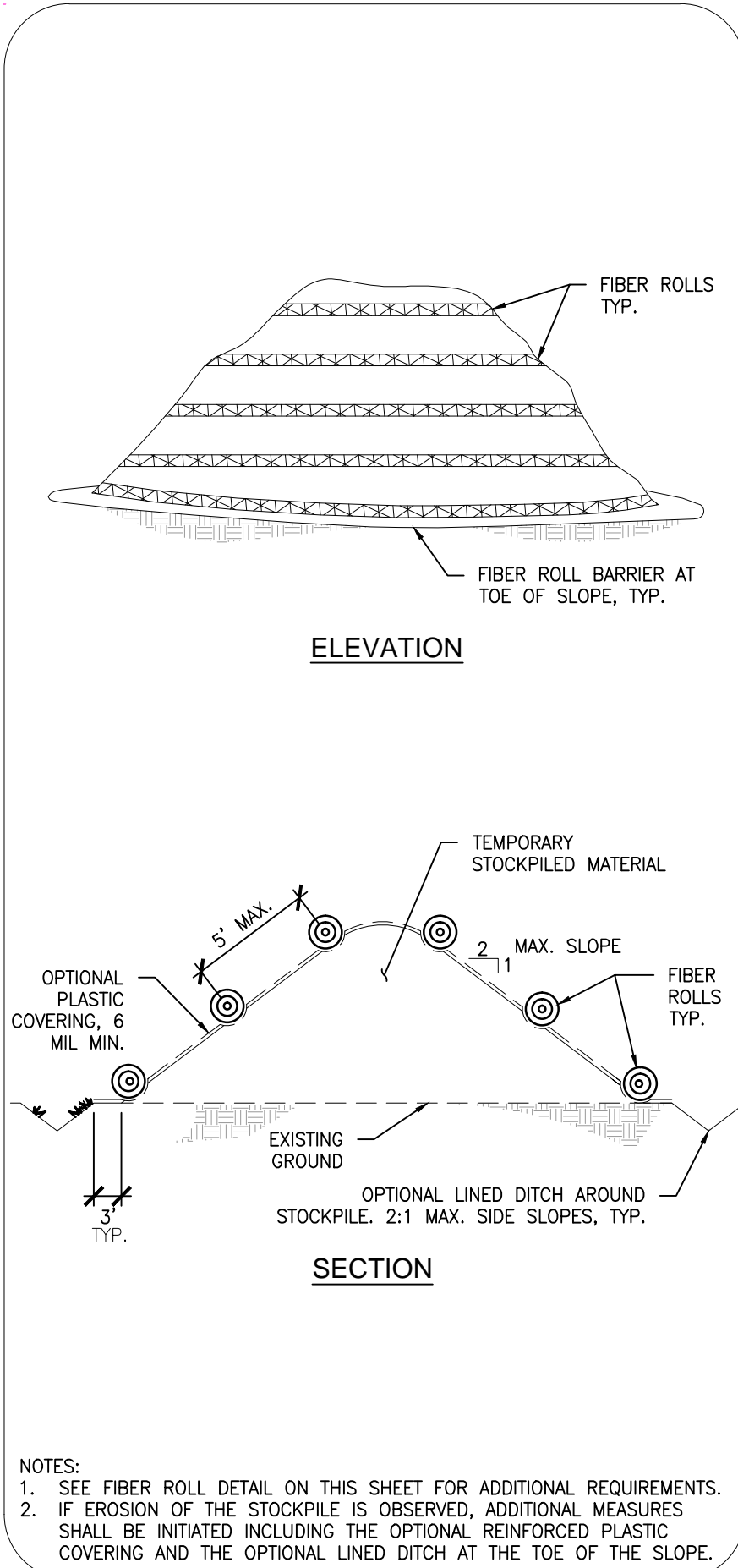
1 SILT FENCE

NTS



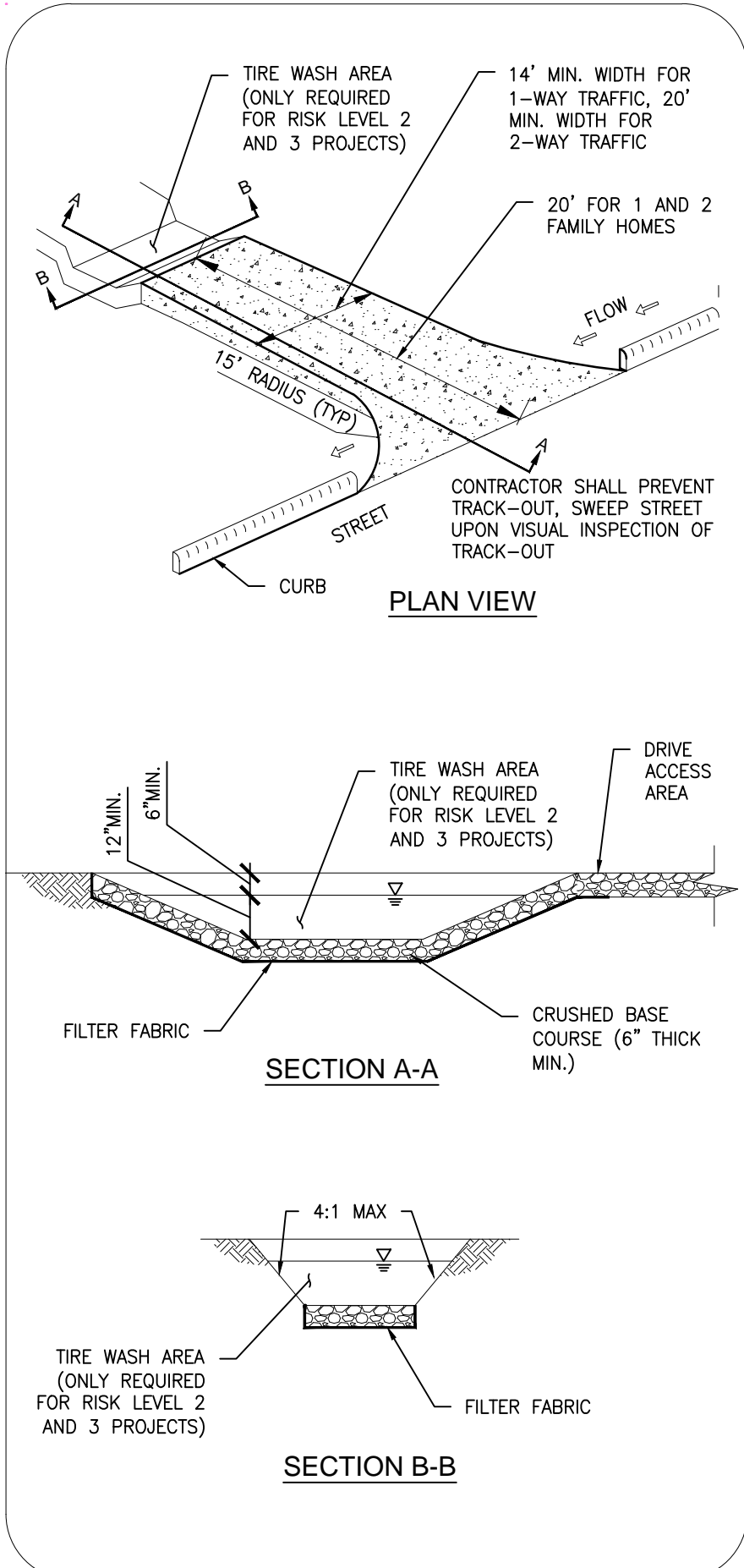
2 FIBER ROLL

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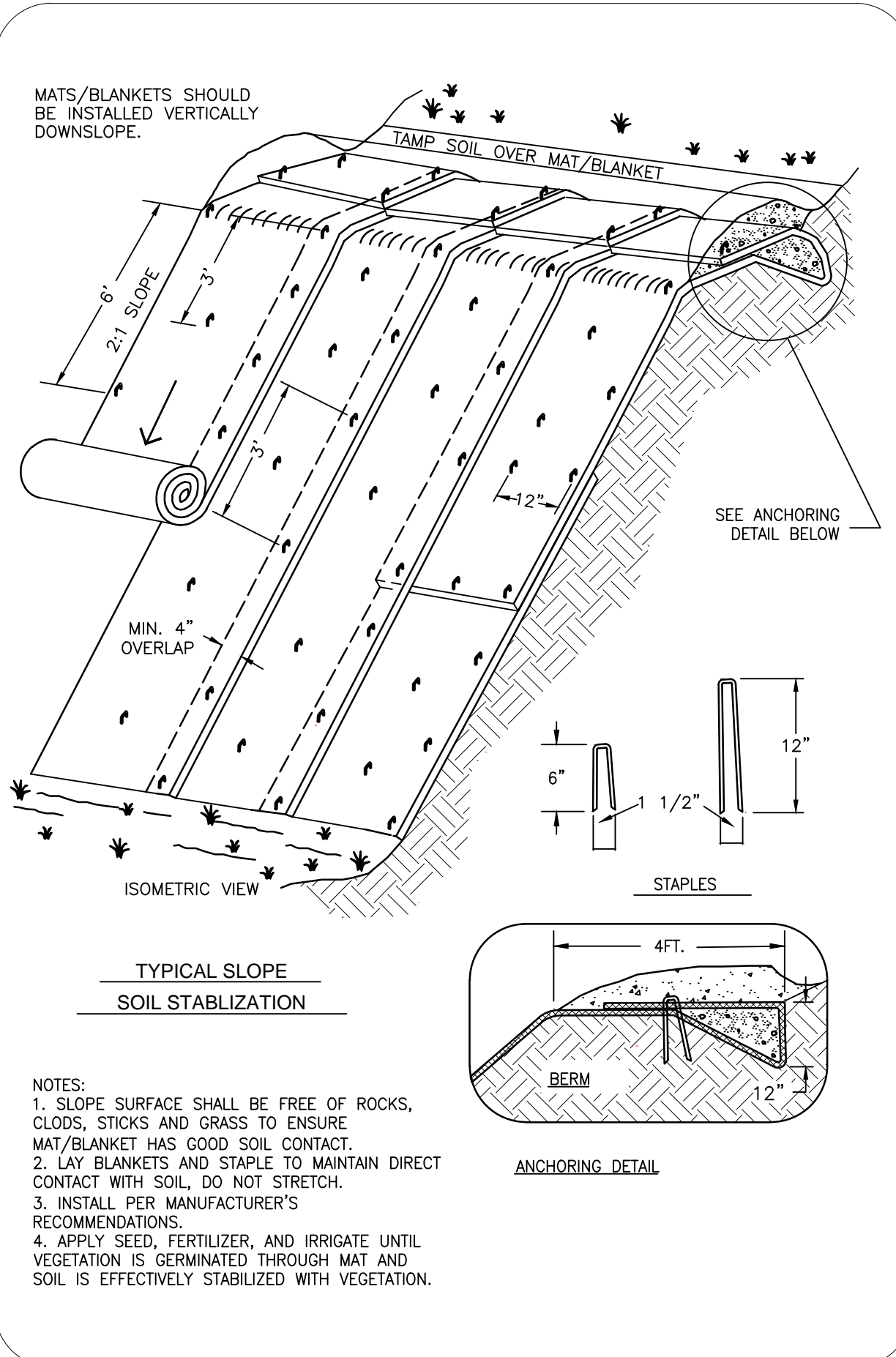
3 STOCKPILE PROTECTION

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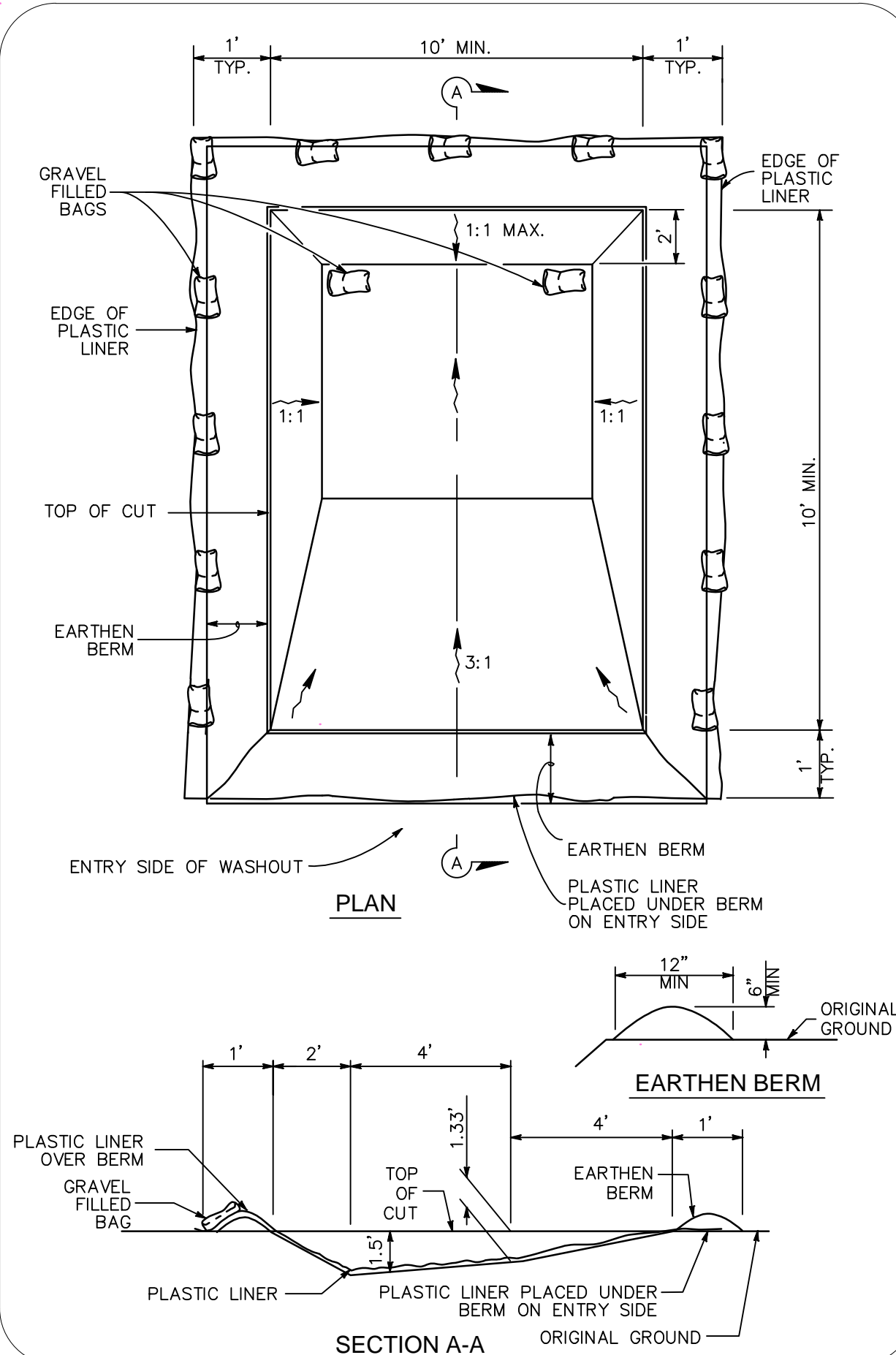
4 CONSTRUCTION ENTRANCE

NTS



5 JUTE NETTING EROSION CONTROL MAT

NTS



6 CONCRETE WASHOUT

NTS

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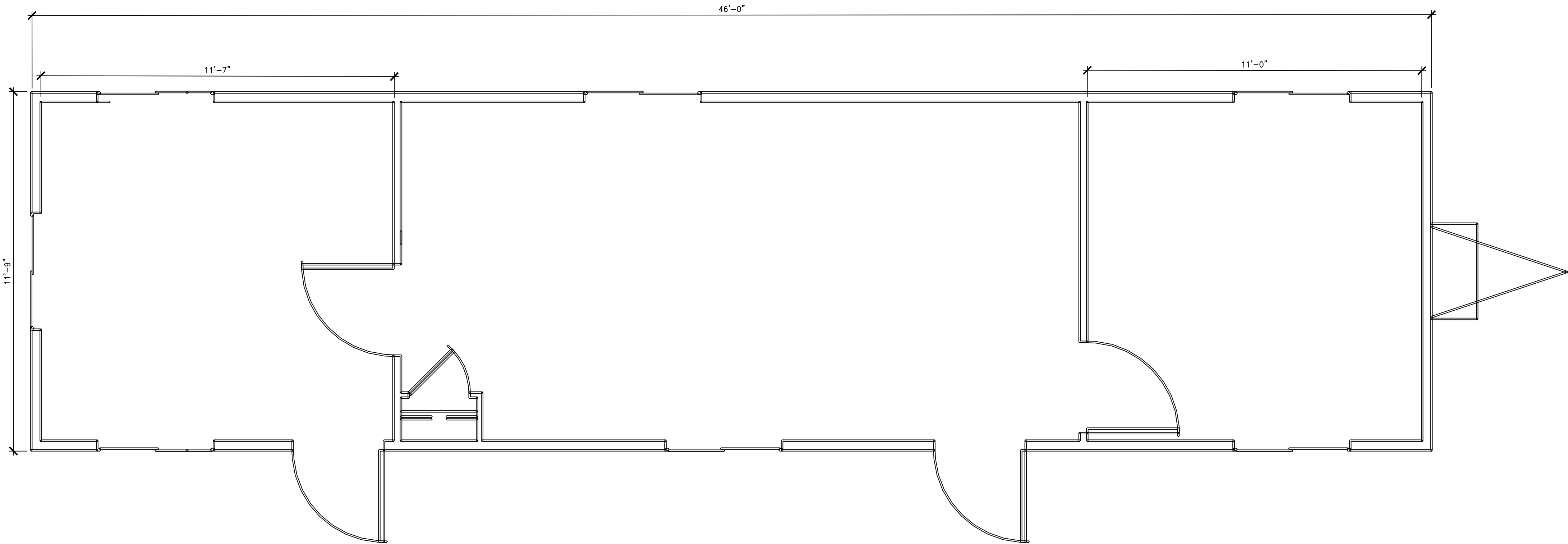
EROSION &
SEDIMENT
CONTROL
DETAILS

SHEET

EC2.0



ELEVATION VIEW



FLOOR PLAN OFFICE/BREAKROOM & SECURITY/STORAGE TRAILERS
NOTES: DESIGN AND INSTALL PER MANUFACTURER SPECIFICATIONS
(WILLSCOT WILLSCOT.COM 800-782-1500)

* DRAWING NOT TO SCALE

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CALAVERA GOLD

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REGISTERED PROFESSIONAL
MATTHEW R. WALSH
FOR CONSTRUCTION
CIVIL
STATE OF CALIFORNIA
NOT

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ARCHITECTURAL
FLOOR PLANS &
ELEVATIONS

SHEET

A1.0

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