RECLANIATION Managing Water in the West

Categorical Exclusion Checklist

Sewer Line Crossing- Contra Costa Canal at Milepost 41.2

CEC-13-069

Prepared by:	Ben Lawrence Natural Resources Specialist South-Central California Area Office	Date: 4-2-15
Concurred by:	See Attachment Archaeologist Mid-Pacific Regional Office	Date: See Attachment
Concurred by:	See Attachment Native American Affairs Specialist Mid-Pacific Regional Office	Date: See Attachment
Concurred by:	Lisa Carlson Wildlife Biology Technician South-Central California Area Office	Date: 4/6/2015
Concurred by:	Rain Emerson Supervisory Natural Resources Specialist South-Central California Area Office	Date: 04/13/2015
Approved by:	Michael Jackson Area Manager South-Central California Area Office	Date: 4-14-15



Background

The Central Contra Costa Sanitary District is responsible for operating, cleaning and maintaining sewer infrastructure within their service area, which includes the City of Pleasant Hill. Central Contra Costa Sanitary District has determined that the existing Westover Drive sewer line, which services the Pleasant Hill neighborhood, is capacity-deficient, shallow, and needs to be upgraded to meet the needs of their customers in the area. The Central Contra Costa Sanitary District proposes to install additional capacity, involving approximately 12,000 feet of larger-capacity pipe.

The existing 6-inch sewer line crosses the Contra Costa Canal (Canal) at approximately Milepost 41.2, under an expired authorization from the Bureau of Reclamation (Reclamation). Central Contra Costa Sanitary District has asked Reclamation for a new authorization, covering the existing line as well as installation, operation and maintenance of an additional 18-inch line.

Purpose and Need for Action

The existing 6-inch sewer line to Pleasant Hill does not have enough capacity to serve the residents. Central Contra Costa Sanitary District's authorization for the sewer line crossing of the Canal has also expired. The Central Contra Costa Sanitary District needs Reclamation's permission to install and operate an additional, larger-diameter sewer line, to meet the needs of their customers.



Figure 1 Project Location

Proposed Action

Reclamation proposes to issue a temporary construction permit in advance of easement for the Central Contra Costa Sanitary District to install, operate and maintain an upgraded sewer line beneath the Canal at approximately milepost 41.2. Authorization for the existing 6-inch sewer line would also be renewed.

The full extent of work by Central Contra Costa Sanitary District in the Pleasant Hill area is shown in Attachment A. Construction would involve the installation of approximately 12,000 feet of 15, 18, and 24-inch sewers by open-cut, pilot tube guided boring and horizontal directional drilling construction methods. The work would include trenching, shoring, installing/modifying manholes, and asphalt paving.

A boring pit (16 feet by 8 feet) would be needed on the west side of the Canal and a receiving pit (8 feet by 8 feet) would be used on the east side. Following boring, Central Contra Costa Sanitary District would install a 36-inch steel casing containing the new 18-inch sewer line. The new casing would be 6 to 7 feet below the Canal siphon.

Work would take place during the summer of 2015. Equipment would involve pickup trucks, concrete trucks, backhoe excavator, and drill rig. Approximately 12 cubic yards of excavated soil would be removed as a result of the jack and bore construction, and deposited at a qualified landfill by the contractor.

Environmental Commitments

Central Contra Costa Sanitary District would implement the following environmental commitments to avoid any environmental consequences associated with the Proposed Action (Table 1). Environmental consequences for resource areas assume the measures specified would be fully implemented.

Table 1 Environmental Commitments

Resource	Protection Measure
Biological Resources	To prevent inadvertent entrapment of listed species and other wildlife during construction, all excavated steep-walled holes or trenches more than 1 foot deep shall be covered at the close of each working day by plywood or similar materials, or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such trenches or holes are filled, they must be thoroughly inspected for trapped animals.
Biological Resources	All food-related trash items such as wrappers, cans, bottles, and food scraps must be disposed of in closed containers and removed at least once every day from the action area.
Biological Resources	If work on the project must occur during the bird breeding season (February 1 to August 31), a qualified biologist shall conduct nesting bird surveys in trees and large shrubs immediately adjacent to the Proposed Action Area. If a nesting migratory bird is found: (1) no construction on the Proposed Action shall occur within 300 feet of the nest until the young have fledged or until a qualified biologist determines the nest is no longer active or (2) The qualified biologist may contact Reclamation to determine if construction may proceed with a smaller avoidance buffer. All survey documentation shall be submitted to Reclamation prior to the start of construction.

Resource	Protection Measure
Cultural Resources	Archaeological monitoring shall be required during all ground-disturbing activities,
	in accordance with the monitoring plan described in Attachment B.

Exclusion Category

516 DM 14.5 paragraph D (10): Issuance of permits, licenses, easements, and crossing agreements which provide right-of-way over Bureau lands where the action does not allow for or lead to a major public or private action.

Evaluation of Criteria for Categorical Exclusion:

1.	This action would have a significant effect on the quality of the human environment (40 CFR 1502.3).	No ☑	Uncertain	Yes
2.	This action would have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA Section 102(2)(E) and 43 CFR 46.215(c)).	No ☑	Uncertain	Yes
3.	This action would have significant impacts on public health or safety (43 CFR 46.215(a)).	No ☑	Uncertain	Yes
4.	This action would have significant impacts on such natural resources and unique geographical characteristics as historic or cultural resources; parks, recreation, and refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (EO 11990); flood plains (EO 11988); national monuments; migratory birds; and other ecologically significant or critical areas (43 CFR 46.215 (b)).	No ✓	Uncertain	Yes
5.	This action would have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks (43 CFR 46.215(d)).	No ☑	Uncertain	Yes
6.	This action would establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects (43 CFR 46.215 (e)).	No ☑	Uncertain	Yes
7.	This action would have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects (43 CFR 46.215 (f)).	No ☑	Uncertain	Yes
8.	This action would have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by Reclamation (LND 02-01) (43 CFR 46 215 (g))	No ☑	Uncertain	Yes

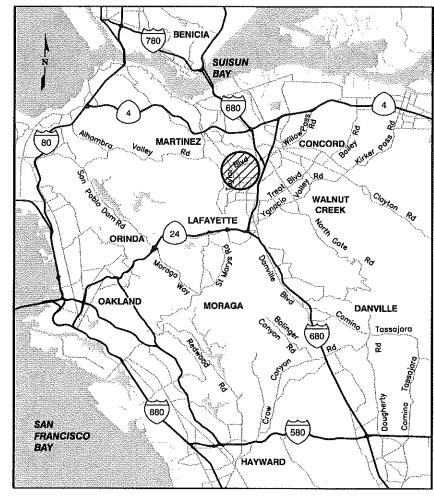
9.	This action would have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated critical habitat for these species (43 CFR 46.215 (h)).	No	Uncertain	Yes
10.	This action would violate a Federal, tribal, State, or local law or requirement imposed for protection of the environment (43 CFR 46.215 (i)).	No ☑	Uncertain	Yes
11.	This action would affect ITAs (512 DM 2, Policy Memorandum dated December 15, 1993).	No ☑	Uncertain	Yes
12.	This action would have a disproportionately high and adverse effect on low income or minority populations (EO 12898) (43 CFR 46.215 (j)).	No ☑	Uncertain	Yes
13.	This action would limit access to, and ceremonial use of, Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (EO 13007, 43 CFR 46.215 (k), and 512 DM 3)).	No	Uncertain	Yes
14.	This action would contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act, EO 13112, and 43 CFR 46.215 (l)).	No	Uncertain	Yes

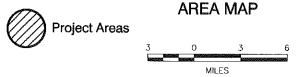
Attachment A Preliminary (25%) Plans

Central Contra Costa Sanitary District

Contra Costa County California

5019 Imhoff Place, Martinez, CA 94553-4392





VOLUME 3 OF 3 PART VIII

Project Drawings For Construction Of **DISTRICT PROJECT No. 8412**

PLEASANT HILL -**GRAYSON CREEK** TRUNK SEWER

25% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

i		
		INDEX OF DRAWINGS
1	G-1	COVER SHEET, AREA MAP & INDEX OF DRAWINGS
2	G-2	SYMBOLS AND LOCATION MAP
3	G-3	ABBREVIATIONS & GENERAL NOTES
4	D-1	TYPICAL DETAILS I
5	D-2	TYPICAL DETAILS II
6	D-3	TYPICAL DETAILS III
7	P-1	PLAN AND PROFILE - KATHLEEN DR - LINE "A"
8	P-2	PLAN AND PROFILE - KATHLEEN DR - LINE "A"
9	P-3	PLAN AND PROFILE - KATHLEEN DR - LINE "A"
10	P-4	PLAN AND PROFILE - LUCILLE LN - LINE "A"
11	P-5	PLAN AND PROFILE - LUCILLE LN - LINE "A"
		- MAUREEN LN - LINE "A"
12	P-6	PLAN AND PROFILE - MAUREEN LN - LINE "A"
13	P-7	PLAN AND PROFILE - MAUREEN LN - LINE "A"
14	P-8	PLAN AND PROFILE - WESTOVER DR - LINE "A"
15	P-9	PLAN AND PROFILE - WESTOVER DR - LINE "A"
16	P-10	PLAN AND PROFILE - WESTOVER DR - LINE "A"
17	P-11	PLAN AND PROFILE - WESTOVER DR - LINE "A"
18	P-12	PLAN AND PROFILE - WESTOVER DR - LINE "A"
19	P-13	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
20	P-14	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
21	P-15	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
22	P-16	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
23	P-17	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
24	P-18	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
25	P-19	PLAN AND PROFILE - PLEASANT HILL RD - LINE "B"
26	P-20	PLAN AND PROFILE - PLEASANT HILL RD - LINE "C"
27	P-21	PLAN AND PROFILE - PLEASANT HILL RD - LINE "C"
28	P-22	PLAN AND PROFILE - GRAYSON RD - LINE "C"
29	P-23	PLAN AND PROFILE - GRAYSON RD - LINE "C"
30	P-24	PLAN AND PROFILE - GRAYSON RD - LINE "C"
31	P-25	PLAN AND PROFILE - GREGORY LN - LINE "C"

Nancy Molina Project Engineer

Sasha Mestetsky Project Manager

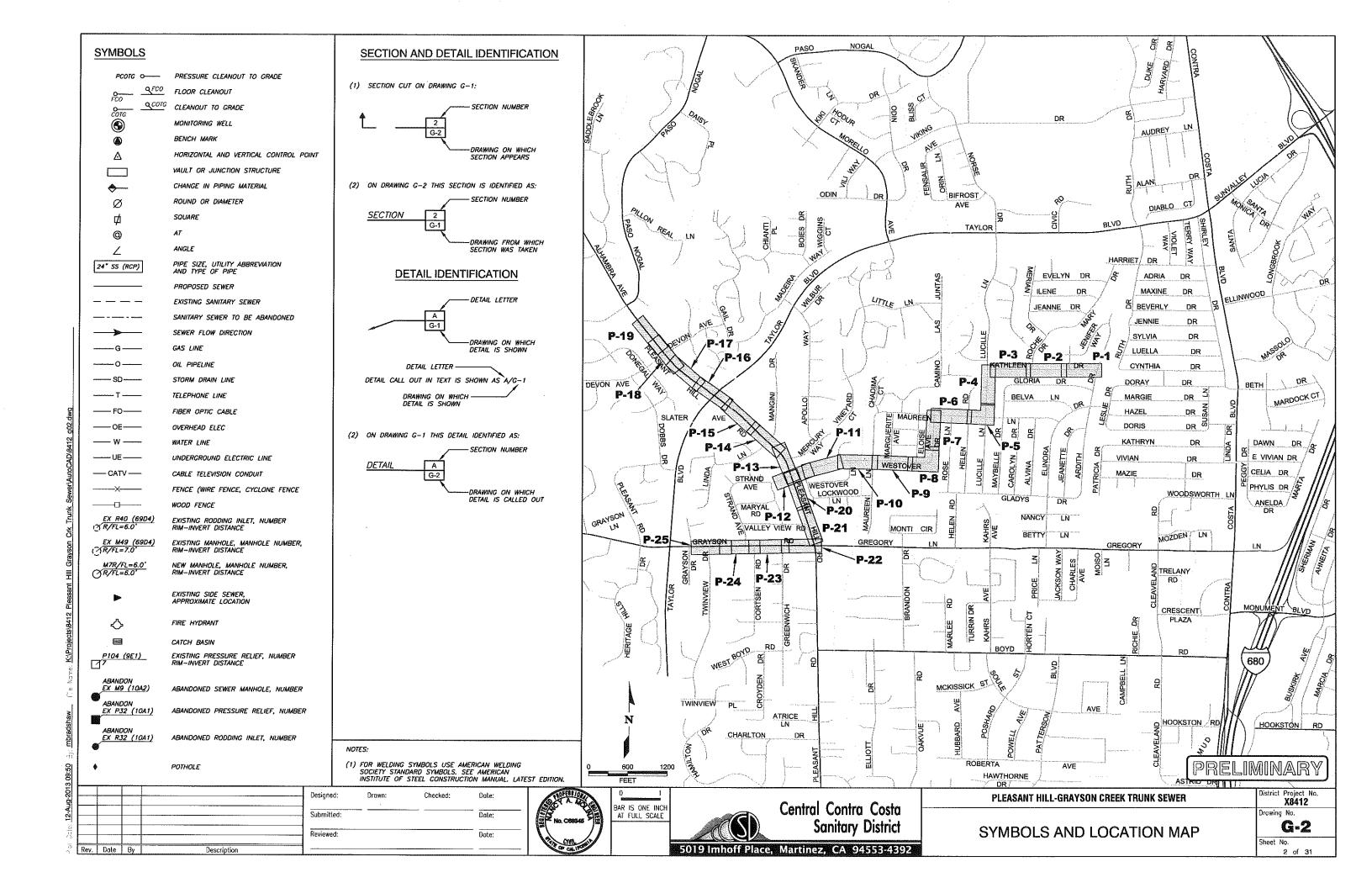
Recommended for Construction:

Approved for Construction:

X8412 G-1

Curt Swanson Provisional General Manage

Sheet No.



GENERAL NOTES

- CONFINED SPACE ENTRIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF SECTIONS 5156 5159, GENERAL INDUSTRY SAFETY ORDERS, TITLE 8, CALIFORNIA CODE OF REGULATIONS. FOR PURPOSES OF SANITARY SEWER WORK, CONFINED SPACES SHALL INCLUDE, BUT NOT BE LIMITED TO, (1) EXISTING MANHOLES; (2) NEW MANHOLES CONSTRUCTED OVER EXISTING SANITARY SEWERS AFTER THE EXISTING PIPE IS BROKEN OUT, CUT OUT, OR REMOVED; AND (3) NEW MANHOLES THAT ARE CONSTRUCTED AT THE END OF EXISTING SANITARY SEWERS (RI'S OR PLUGS) AFTER THE TEMPORARY CONSTRUCTION PLUG HAS BEEN REMOVED FROM THE END OF THE EXISTING SEWER.
- EXISTING UTILITIES IN THE PROJECT AREA MAY BE IN A FRAGILE CONDITION. THE CONTRACTOR SHALL EXERCISE NECESSARY CAUTION WHEN WORKING NEAR EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL LOOPS, CABLES AND CONDUITS IN THE VICINITY OF THE WORK.
 TRAFFIC SIGNALS SHALL BE MAINTAINED IN OPERATION DURING CONSTRUCTION AT ALL TIMES. SENSOR LOOPS, CABLES AND CONDUITS THAT ARE DAMAGED BY THE WORK SHALL BE REPLACED AT NO COST TO THE DISTRICT. REPLACEMENT OF DAMAGED ITEMS SHALL BE TO THE SATISFACTION
- PLAN ELEVATION OR DEPTHS FOR EXISTING UNDERGROUND UTILITIES ARE BASED ON RECORD DRAWINGS. POTHOLING AND SURVEY INFORMATION ARE ROXIMATE ONLY. WHERE NO ELEVATIONS ARE SHOWN, NO SUCH INFORMATION WAS AVAILABLE DURING DESIGN.
- UTILITY SERVICES AND THEIR LOCATION ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO LOCATE AND PROTECT SERVICES DURING CONSTRUCTION. NO INTERRUPTION OF
- THE LOCATION, PIPE DIAMETER AND MATERIAL INDICATED AND/OR ELEVATIONS OF UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY, THIS DATA IS PROVIDED SOLELY AS AN AID TO BIDDING AND SHALL NOT SUBSTITUTE FOR THE CONTRACTOR'S OWN UTILITY LOCATION RESPONSIBILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES SO THAT THOSE MAY MARK THE LOCATIONS OF THEIR LINES PRIOR TO PIPELINE INSTALLATION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (USA) AT (800) 227-2600 IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO ALL EXCAVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING UTILITIES AND SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES. FIELD VERIFICATION SHALL BE DONE IN ADVANCE OF THE CONSTRUCTION.
- THE CONTRACTOR SHALL LOCATE AND VERIFY DEPTH OF ALL UTILITY CROSSINGS BY POTHOLING PRIOR TO CONSTRUCTION AND/OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES PRIOR TO TRENCHING UTILITIES. THE CONTRACTOR SHALL SUBMIT A PLAN FOR REVIEW BY THE ENGINEER DETAILING HOW THE UTILITIES WILL BE PROTECTED DURING CONSTRUCTION AND A CONTINGENCY PLAN IN THE EVENT THE UTILITIES ARE DAMAGED, AND A CLEAN--UP/CONTROL PLAN.
- CONTINUOUS SEWER SERVICE IS REQUIRED AND CONTRACTOR SHALL PROVIDE BYPASS PUMPING WHEN PERFORMING WORK ON EXISTING SEWERS,
- CONTRACTOR SHALL NOT CONNECT NEW LATERALS TO SEWER STUB OUTS WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- DIMENSIONS FOR ALL OTHER STRUCTURES, REFERENCING PIPING, PAVING AND OTHER NONSTRUCTURAL ITEMS ARE APPROXIMATE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND REPORT ALL MAJOR DISCREPANCIES TO THE ENGINEER NO LESS THAN 14 DAYS IN ADVANCE OF CONSTRUCTION IN THE AREA.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES NOT DESIGNATED FOR DEMOLITION OR REMOVAL AND REPLACEMENT. ALL DAMAGED EXISTING IMPROVEMENTS AND THOSE IMPROVEMENTS THAT HAVE BEEN REMOVED OR TEMPORARILY RELOCATED SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION AS CLOSE AS POSSIBLE TO ITS CONDITION PRIOR TO CONSTRUCTION. IMPROVEMENTS DESIGNATED FOR DEMOLITION SHALL BE DEMOLISHED AND DISPOSED OF BY THE CONTRACTOR.
- 13. FOR ALL STANDARD MANHOLES THE COORDINATE LOCATIONS REPRESENT THE CENTERINE OF THE MANHOLES HASE UNLESS INDICATED OTHERWISE ON THESE DRAWINGS. MANHOLES LOCATED AT THE INTERSECTION OF PIPELINES ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. LOCATIONS OF MANHOLES THAT ARE NOT AT PIPELINE INTERSECTIONS MAY BE ADJUSTED SUBJECT TO APPROVAL BY THE ENGINEER.
- 14. DISCREPANCIES BETWEEN COORDINATES, BEARINGS AND LENGTHS, AND STATIONING SHALL BE RESOLVED IN THE FOLLOWING ORDER OF PRECEDENCE:
 - a. COORDINATES
 - BEARINGS AND LENGTHS
 - STATIONING (NOTE: STATIONING INCLUDES GOING THROUGH THE CENTERLINE OF ALL STRUCTURES.)
- CONTRACTOR SHALL COORDINATE ELEVATIONS OF THE TOPS OF MANHOLE FRAMES AND COVERS TO BE LEVEL WITH FINAL PAVING.
- PIPE LENGTHS ARE TO WALL PENETRATION OF STRUCTURES AND THROUGH MANHOLES AS INDICATED, STATIONING IS THROUGH STRUCTURES ALONG CENTERLINE OF ALIGNMENT.
- STATIONING AND PROFILING OF GROUND SURFACE SHOWN ON PLAN IS FOR CENTERLINE OF SEWER LINE.
- IN ALL LOCATIONS WHERE TRENCH PLATES ARE USED ON THIS PROJECT, THE CONTRACTOR SHALL SUPPLY SKID RESISTANT COATING ON THE TRENCH PLATE AND COLD MIX A.C. AT THE EDGES. TRENCH PLATES SHALL BE NOTCHED INTO AC PAVING, WEDGED AND SHIMMED TO PREVENT SLIPPAGE AND ROCKING UNDER TRAFFIC, ADJACENT TRENCH PLATES SHALL BE TACK-WELDED TOGETHER TO PREVENT SEPARATION.

- ALL OPEN CUT CONSTRUCTION FOR PIPING AND STRUCTURES SHALL HAVE SHORING SYSTEMS IN COMPLIANCE WITH CAL OSHA AND CCCSD REQUIREMENTS.
- 20. THE CONTRACTOR SHALL DAILY REMOVE AND DISPOSE OF ALL SURPLUS EXCAVATION MATERIALS AND DEBRIS FROM EACH SITE AND SHALL MAINTAIN EACH SITE IN A NEAT AND ORDERLY CONDITION.
- 21. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR REQUIRED INSPECTIONS. THE PRESENCE OR ABSENCE OF A DISTRICT, CITY OR OTHER INSPECTOR WILL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE PROPER PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION,
- 23. THE CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY AND CITY LAWS AND ORDINANCES RELATING TO THE SAFETY AND CHARACTER OF WORK, FOUIPMENT AND LABOR PERSONNEL THIS SHALL INCLUDE, BUT IS NOT LIMITED TO THE SHORING OF TRENCHES, VENTILATION OF CONFINED SPACES, CONFORMANCE TO TRAFFIC CONTROL REQUIREMENTS INCLUDING THE PROVISION AND MAINTENANCE OF BARRICADES, AND THE PREPARATION AND IMPLEMENTATION OF TRAFFIC CONTROL PLANS AS REQUIRED.
- 24. ENCROACHMENT PERMITS ARE REQUIRED FOR THE WORK FROM GOVERNING/REGULATORY AGENCIES. THE CONTRACTOR SHALL ABIDE BY ALL REQUIREMENTS THEREOF
- ALL PAVEMENTS INCLUDING A.C. AND P.C.C. PAVING SHALL BE SAW CUT PRIOR TO INSTALLATION OF PAVEMENT PATCH. ROUGH EDGES THAT DEVELOP DURING CONSTRUCTION SHALL BE SAW CUT PRIOR TO INSTALLATION OF PAVEMENT PATCH IN ACCORDANCE WITH THE ENCROACHMENT PERMIT BY THE GOVERNING AGENCY, AREAS OF A.B. UNDERMINING SHALL BE SAW CUT 12 INCHES BEYOND UNDERMINING AND PAVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY OR THESE DRAWINGS.
- 26. CONTRACTOR SHALL PROTECT ALL TREES AND SHRUBS THAT ARE WITHIN THE CONSTRUCTION AREA EXCEPT THOSE THAT ARE MARKED FOR REMOVAL AND/OR REPLACEMENT.
- 27. CONTRACTOR SHALL HAND DIG FOR THE SEWER WITHIN THE DRIPLINE OF EXISTING TREES WHEN ROOTS LARGER THAT 2" DIAMETER ARE
- 28. CONTRACTOR SHALL BE AWARE THAT ALL EASEMENT SITES CONTAIN POISON
- 29. CONTRACTOR SHALL REPLACE ALL DAMAGED FENCING, GATES, CURBS, GUTTERS AND SIDEWALKS.
- 30. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AT ALL LOCATIONS WHERE FENCING HAS BEEN REMOVED.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF 7 DAYS NOTIFICATION TO RESIDENTS PRIOR TO STARTING WORK.
- 32. TYPICAL FOR ALL SHORT RADIUS CURVES: IF PVC IS USED ON A CURVE THAT IS LESS THAN 250-FOOT RADIUS THEN THE CONTRACTOR SHALL COMPLETE THE CURVE USING 3' FITTINGS AND NON STANDARD LENGTH PIPE. THE PROBLEM THE CORVE USING STITINGS AND NOW STANDARD LENGTH FIRE IF DIP IS USED ON A CURVE THAT IS LESS THAN 250-FOOT RADIUS THEN THE CONTRACTOR SHALL COMPLETE THE CURVE BY DEFLECTING THE PIPE NO MORE THAN 5' AT EACH JOINT AND USING NON STANDARD PIPE LENGTHS, NO PIPE LENGTH SHALL BE LESS THAN 3-FEET IN ANY CASE.
- CONTRACTOR SHALL LOCATE AND RE-CONNECT ALL ACTIVE LATERALS. ALL ACTIVE LATERALS MAY NOT BE SHOWN ON PLANS. LATERAL LOCATIONS SHOWN ON THE PLANS ARE PRIMARILY FROM CCTV INFORMATION. IN LOCATIONS WITH A SAG OR BLOCKAGE, LATERALS MAY NOT BE VISIBLE WITH CCTV AND/OR INDICATED ON THESE DRAWINGS, CONTRACTOR IS RESPONSIBLE TO LOCATE ALL ACTIVE LATERALS BY ALTERNATE MEANS WHEN
- CONTRACTOR SHALL REVIEW PRIVATE PROPERTY CONSTRAINTS IN VOLUME 2, DIVISION 1 AND APPENDIX E OF THE SPECIFICATIONS.
- 35. ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NGVD 88). COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM ZONE 3 NAD 83.

PRELIMINARY

Date:

Reviewed:

Rev. Date By



AT FULL SCALE

Central Contra Costa Sanitary District

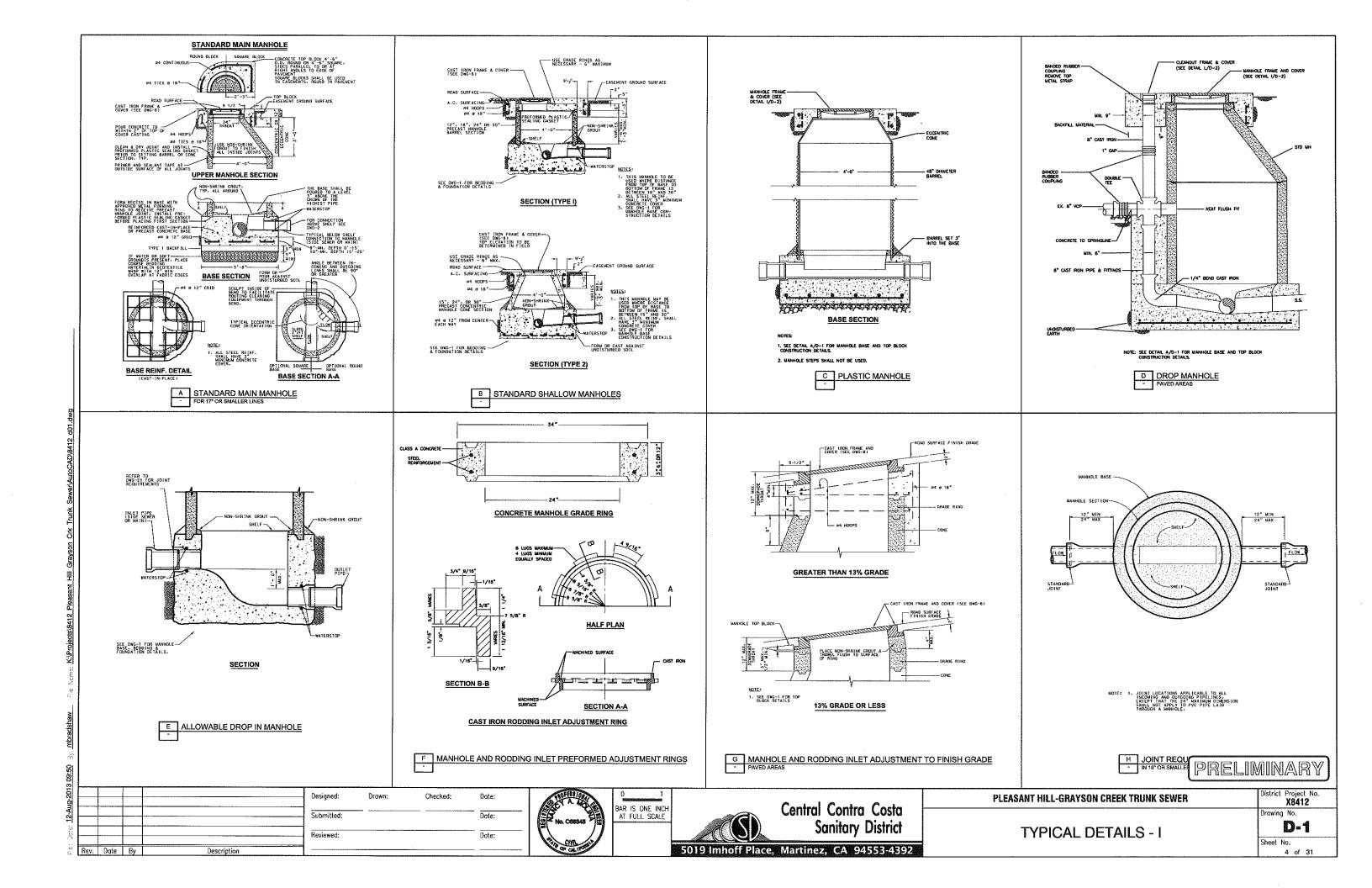
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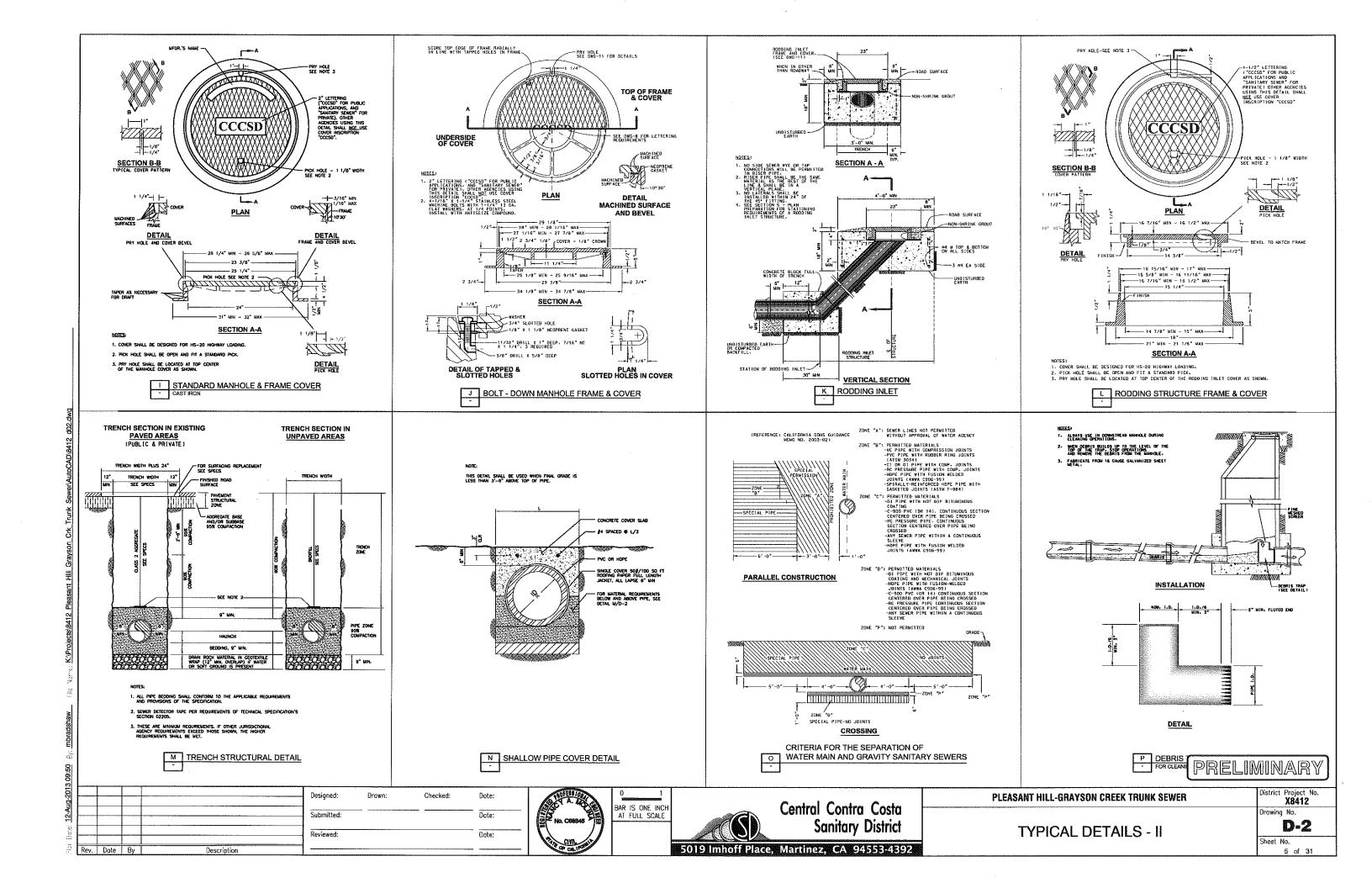
PLEASANT HILL-GRAYSON CREEK TRUNK SEWER

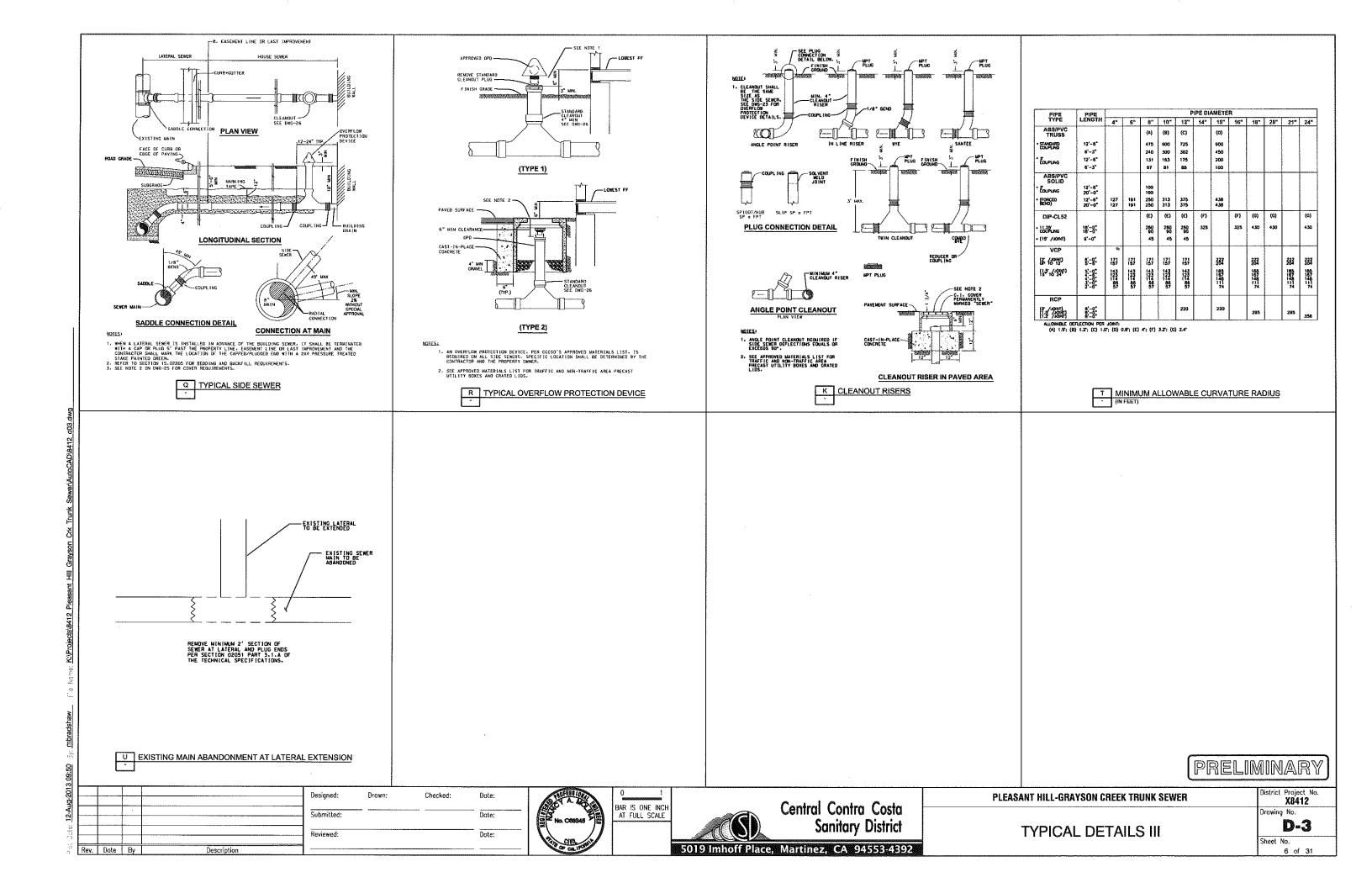
District Project No. X8412

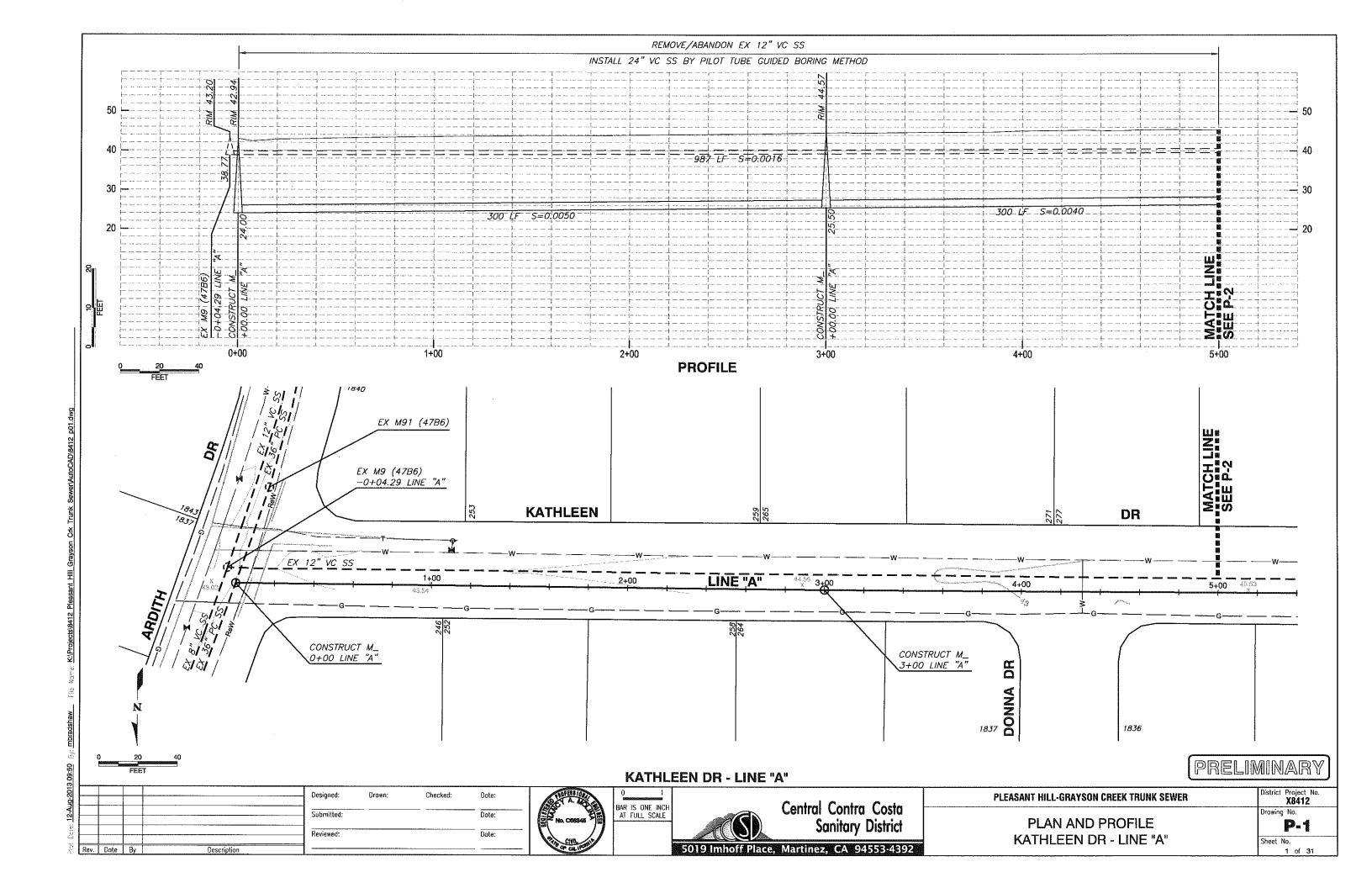
ABBREVIATIONS AND GENERAL NOTES

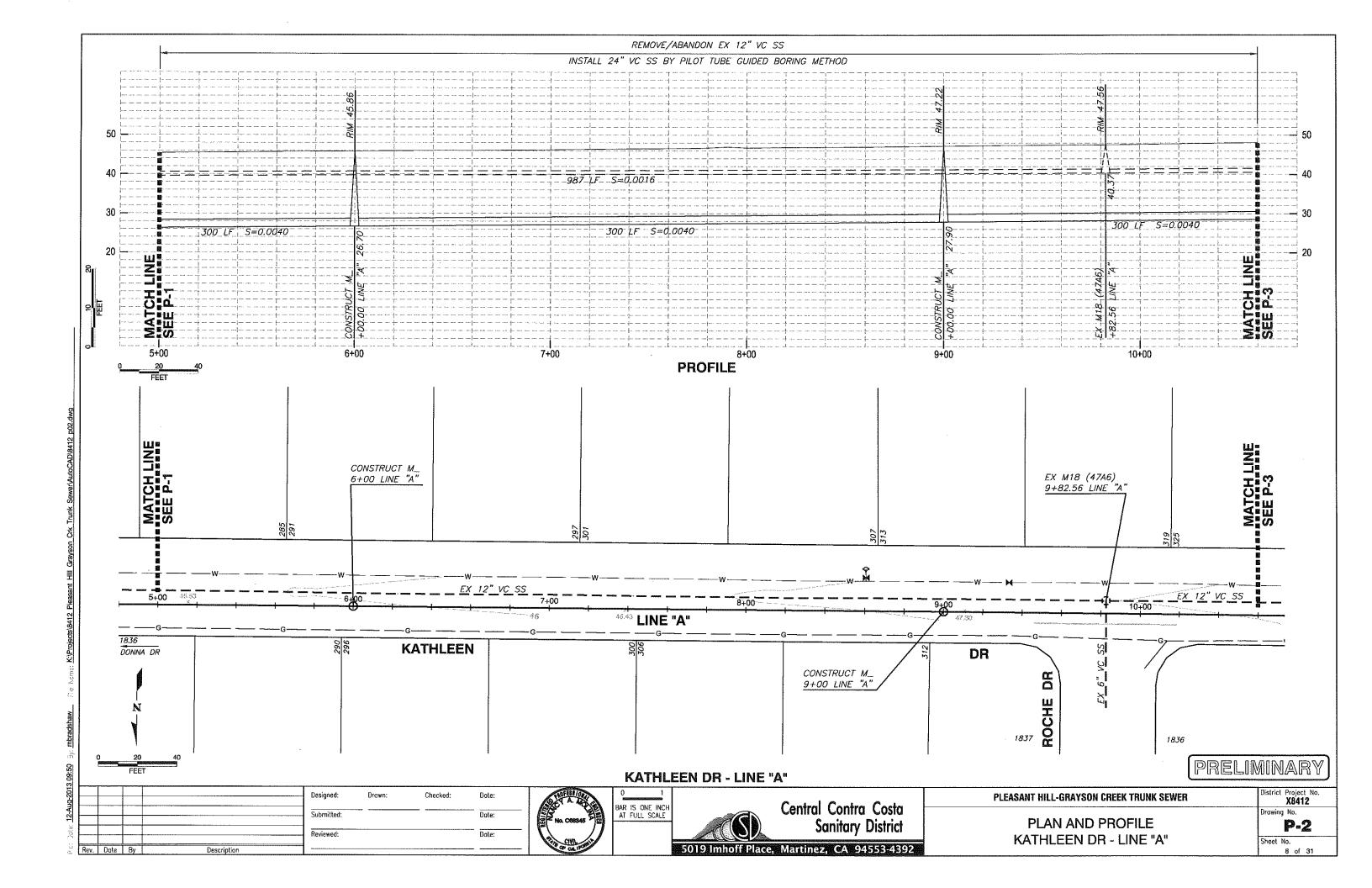
G-3 Sheet No. 3 of 31

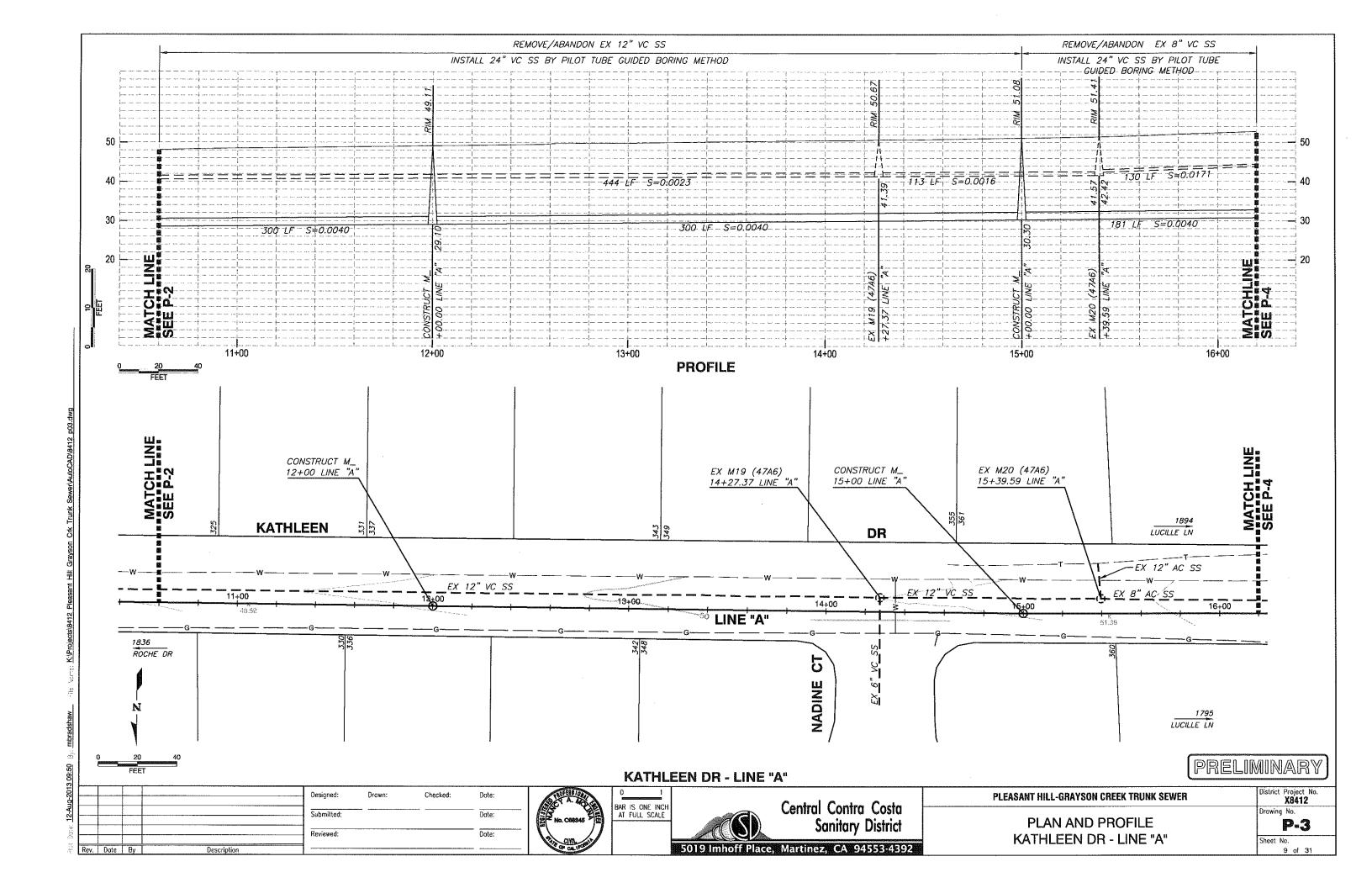


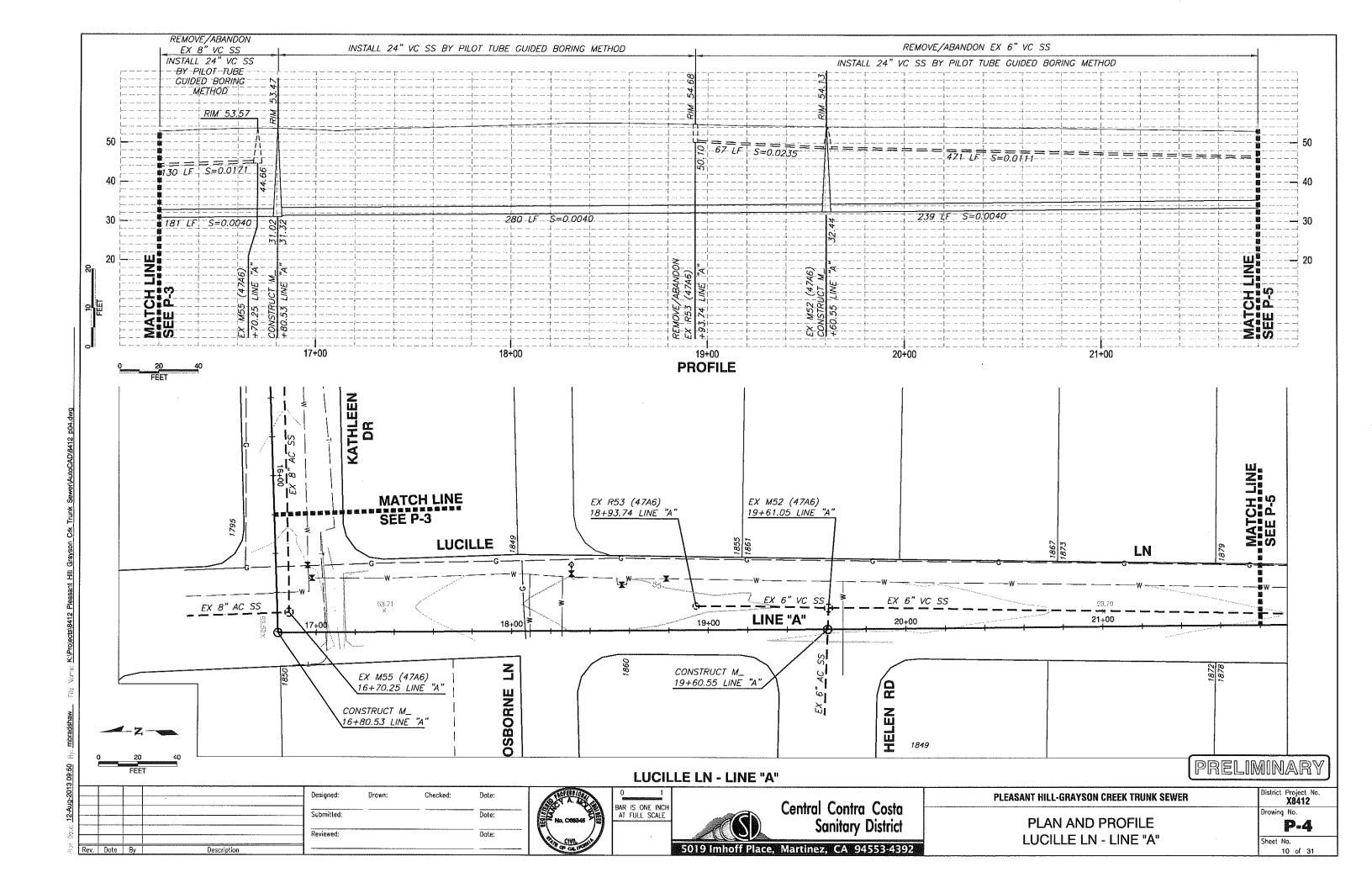


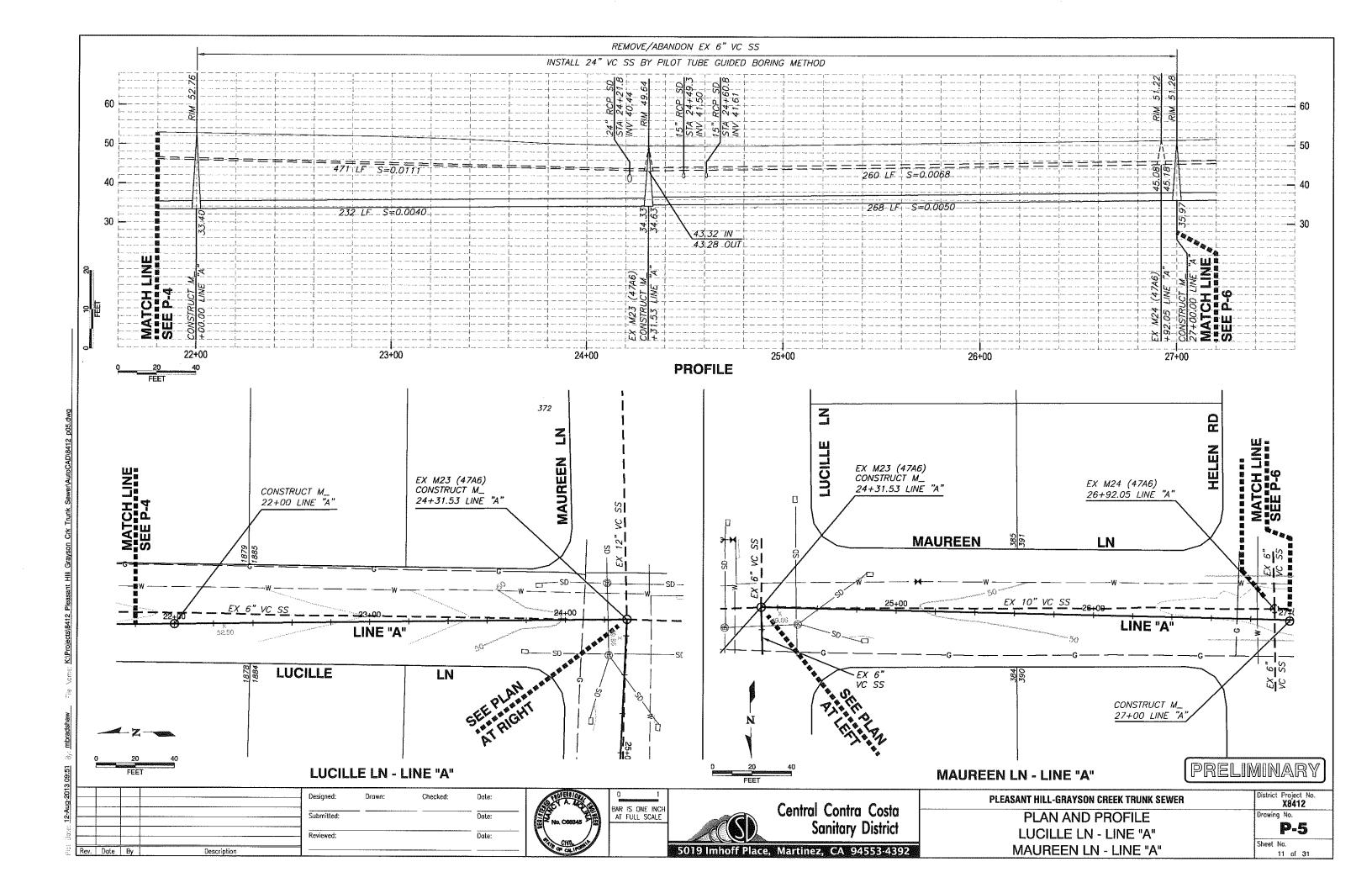


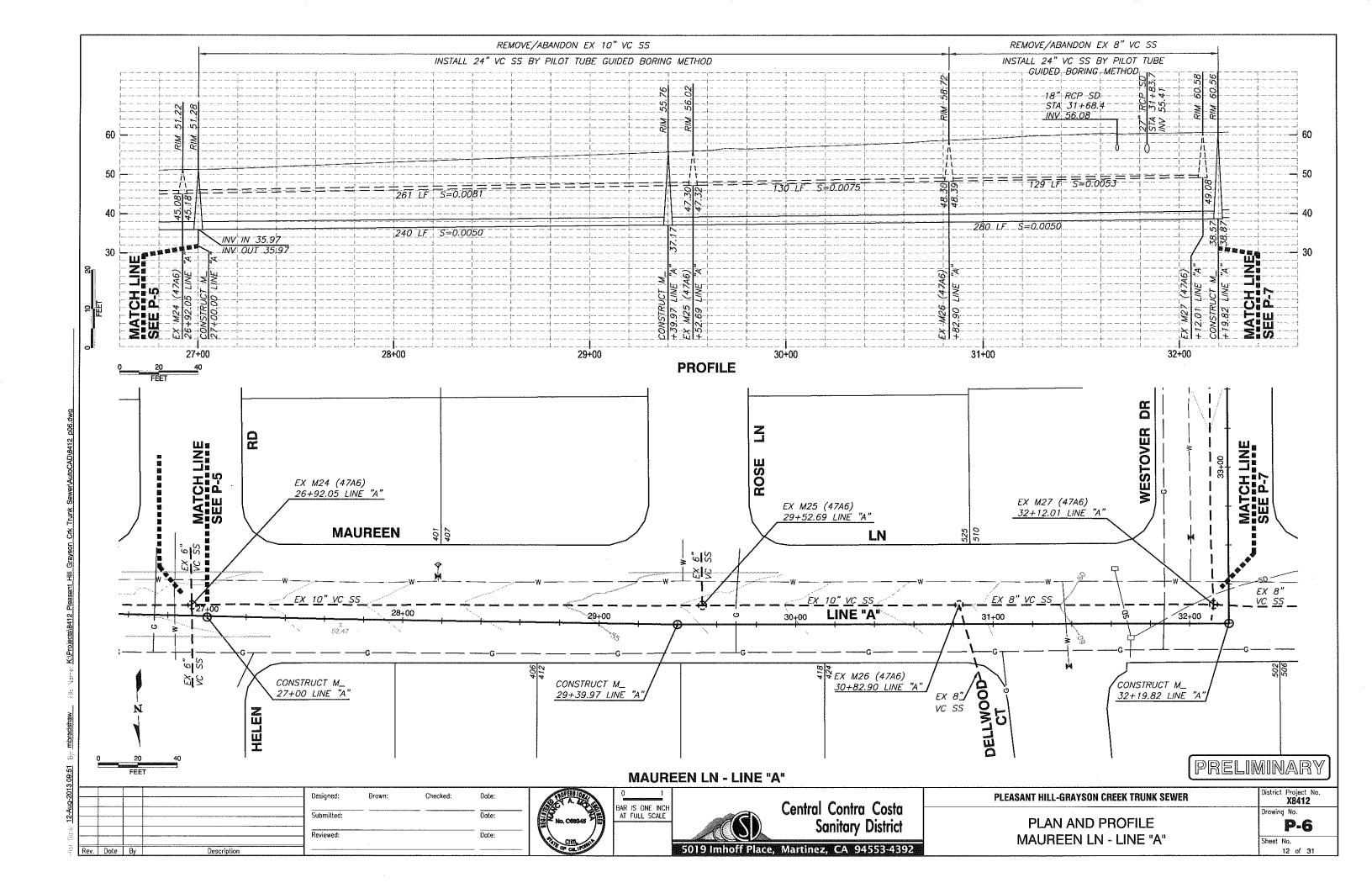


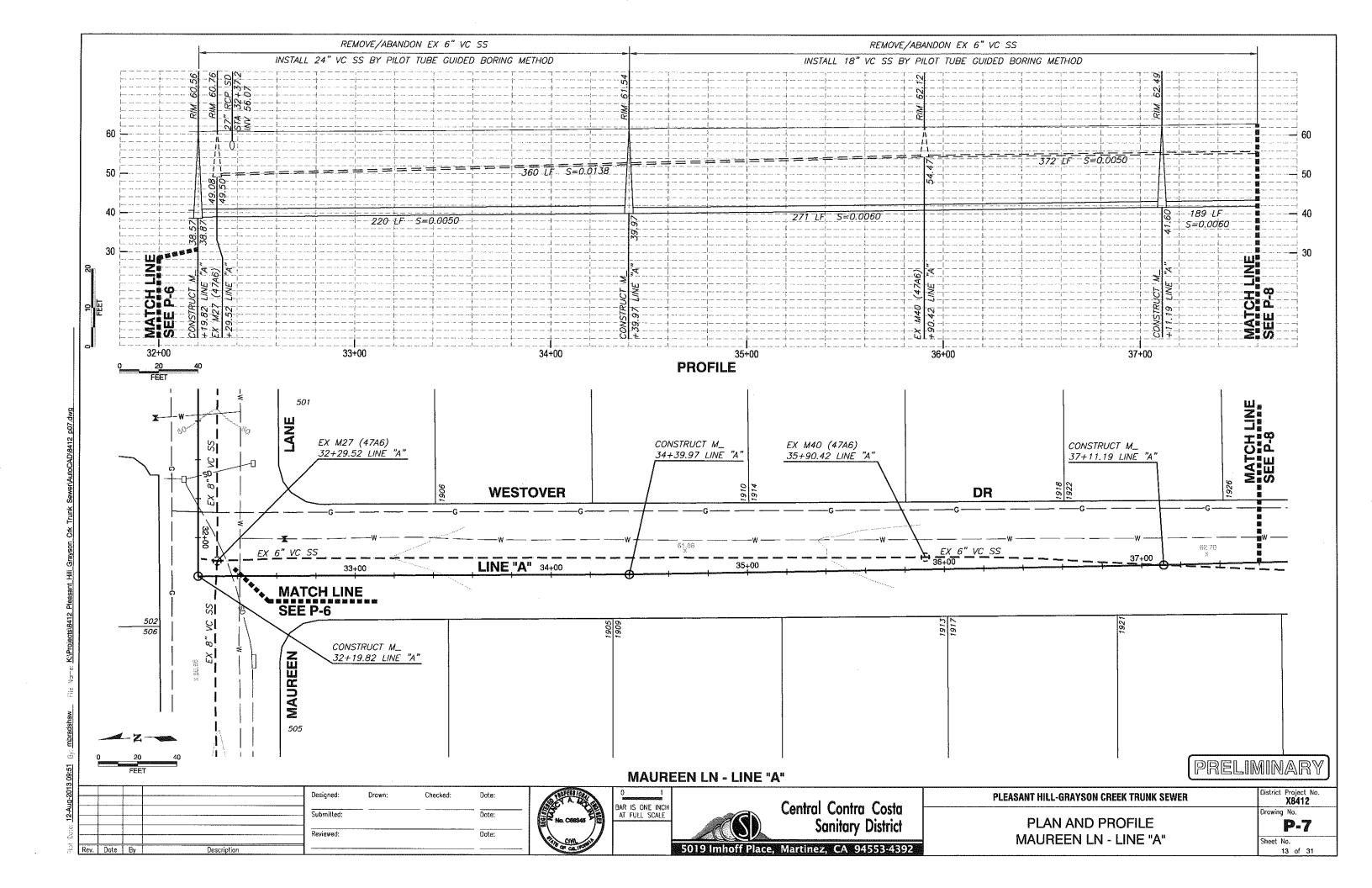


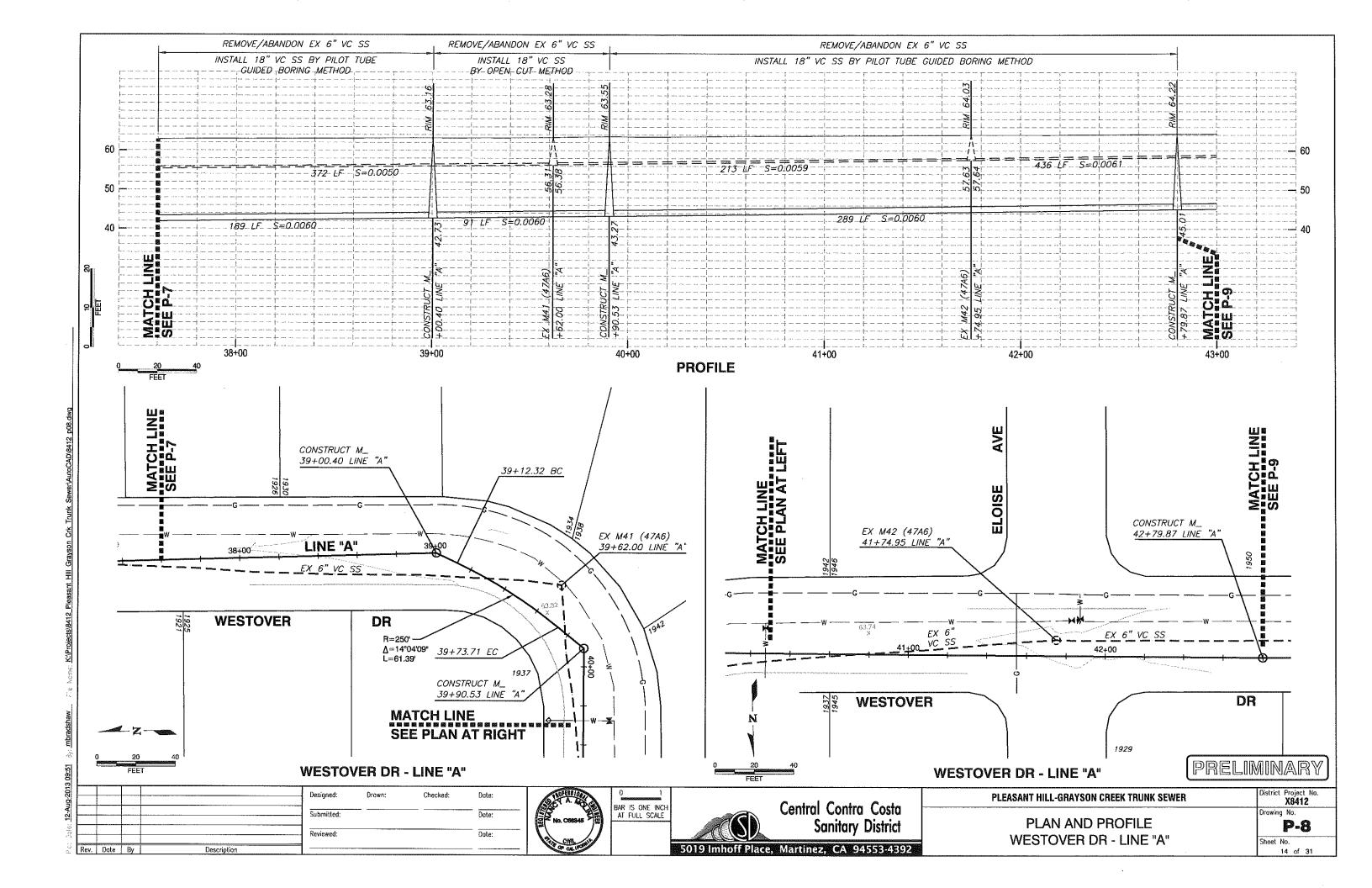


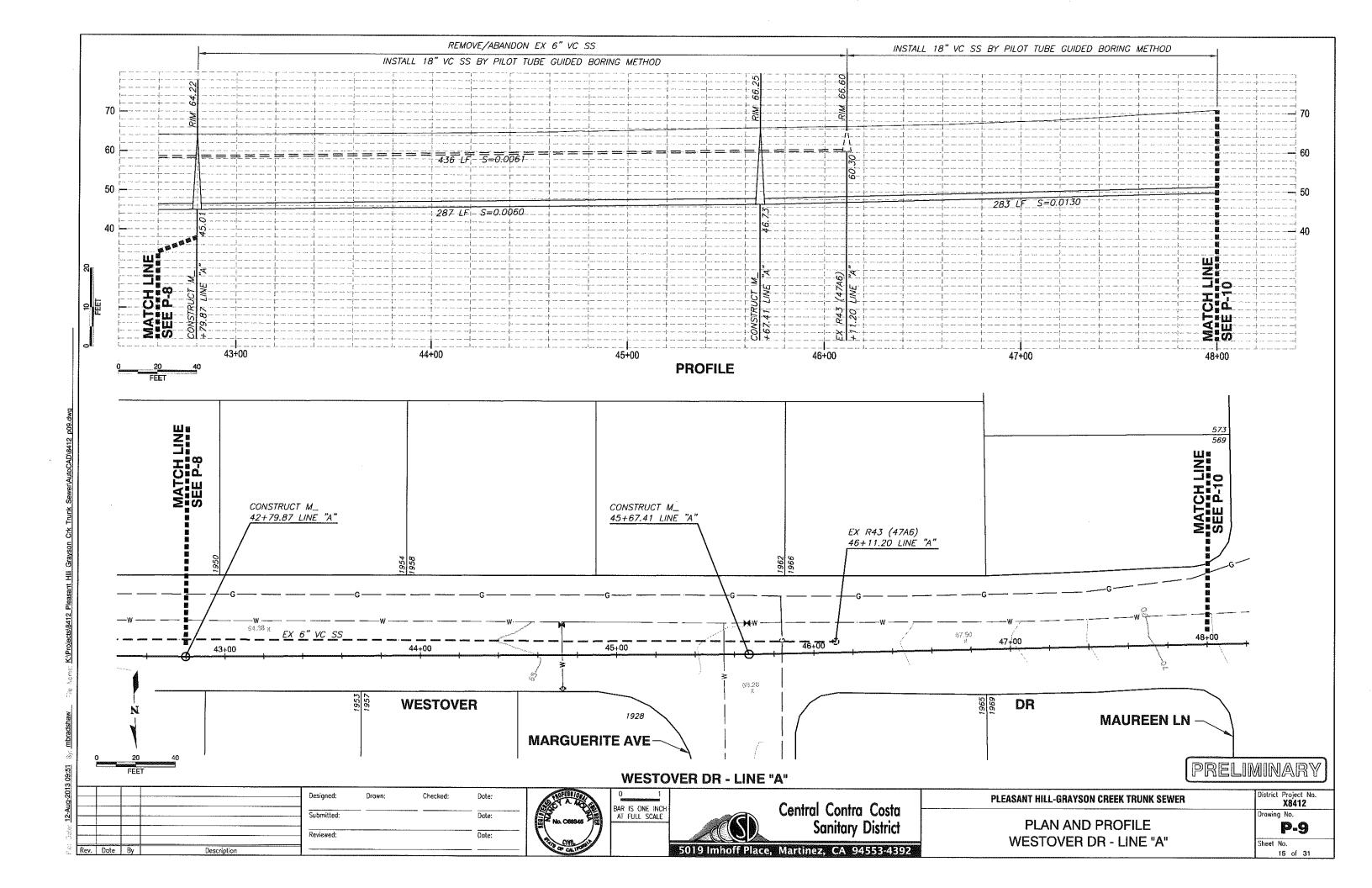


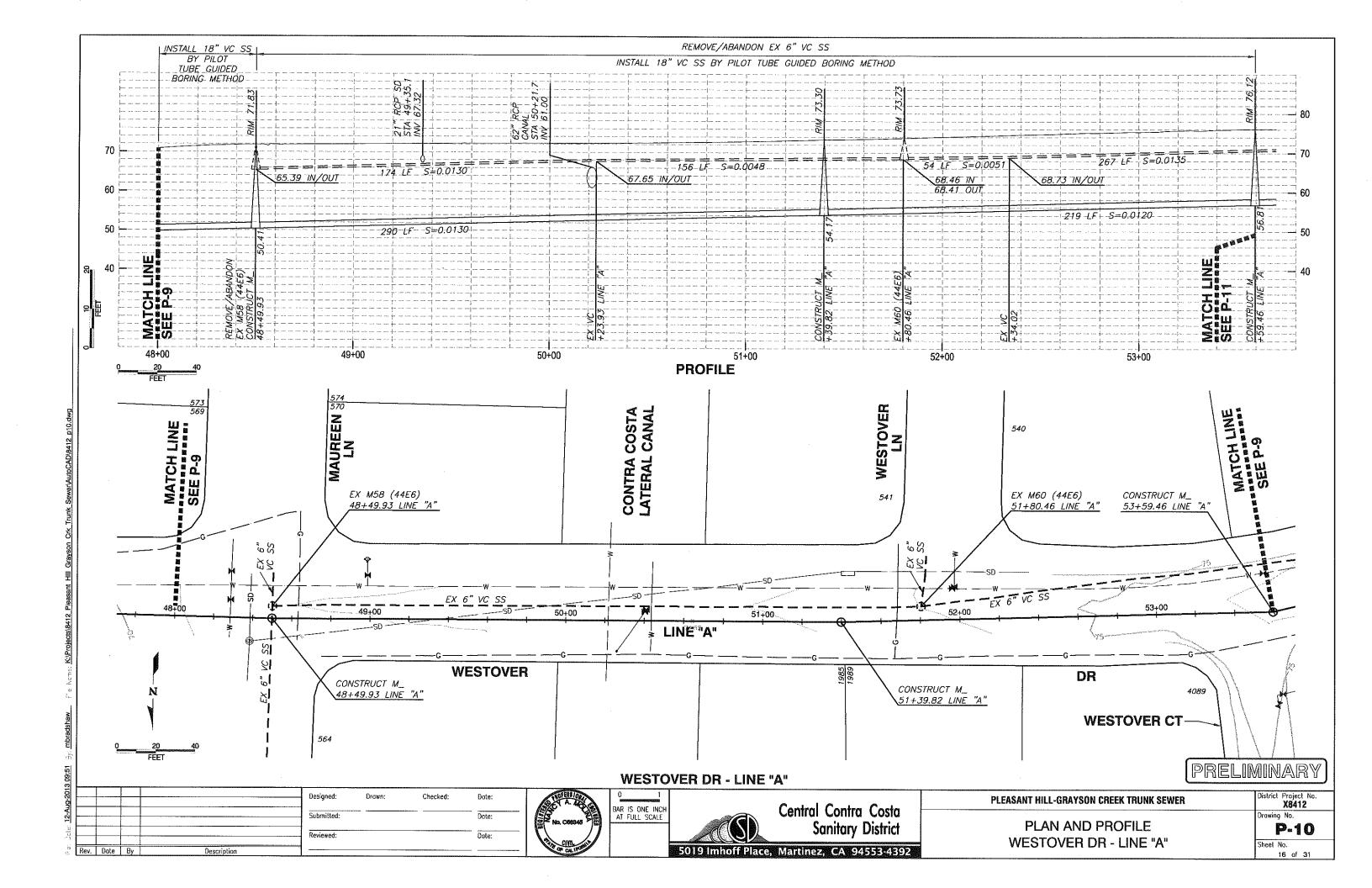


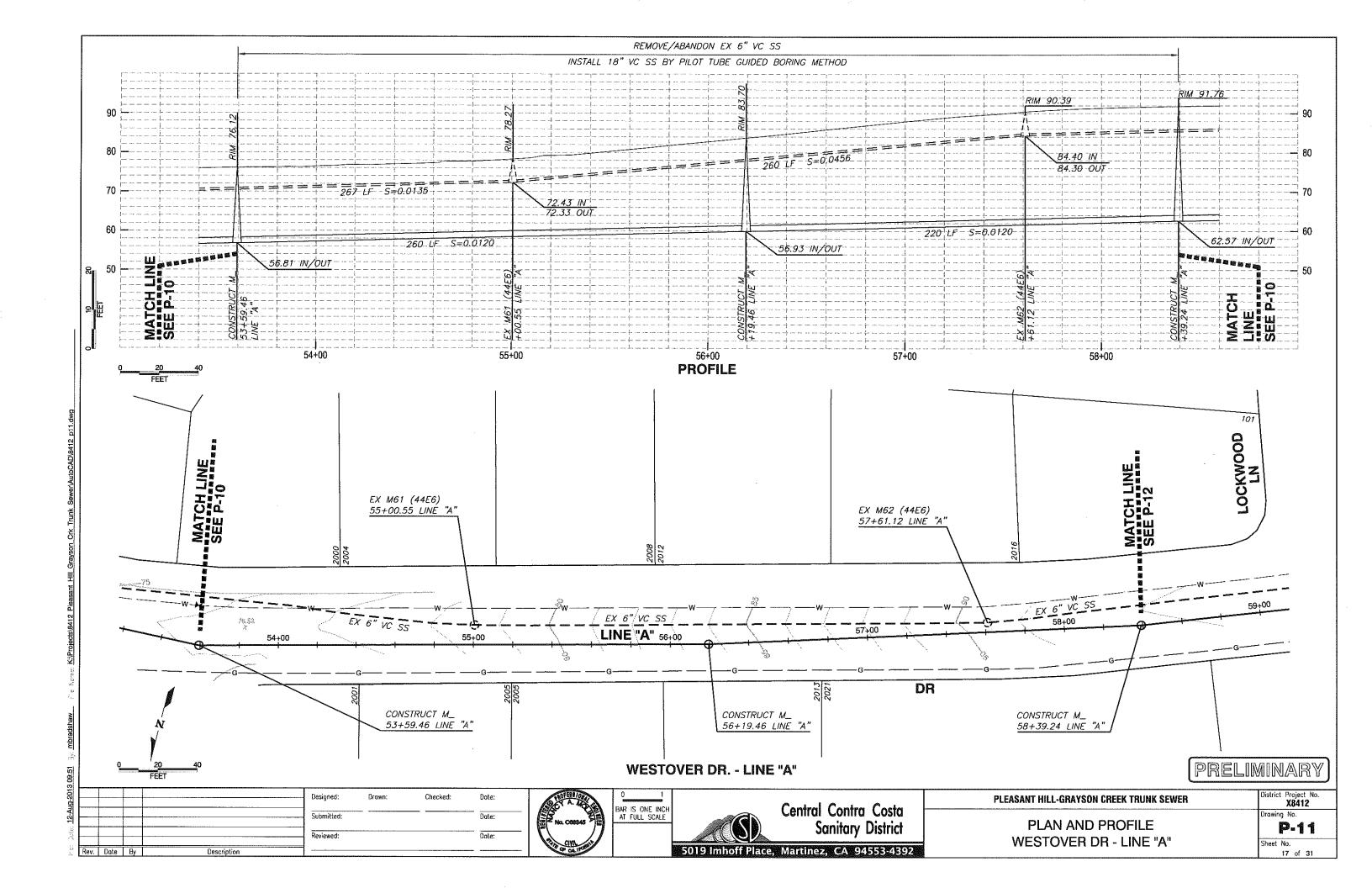


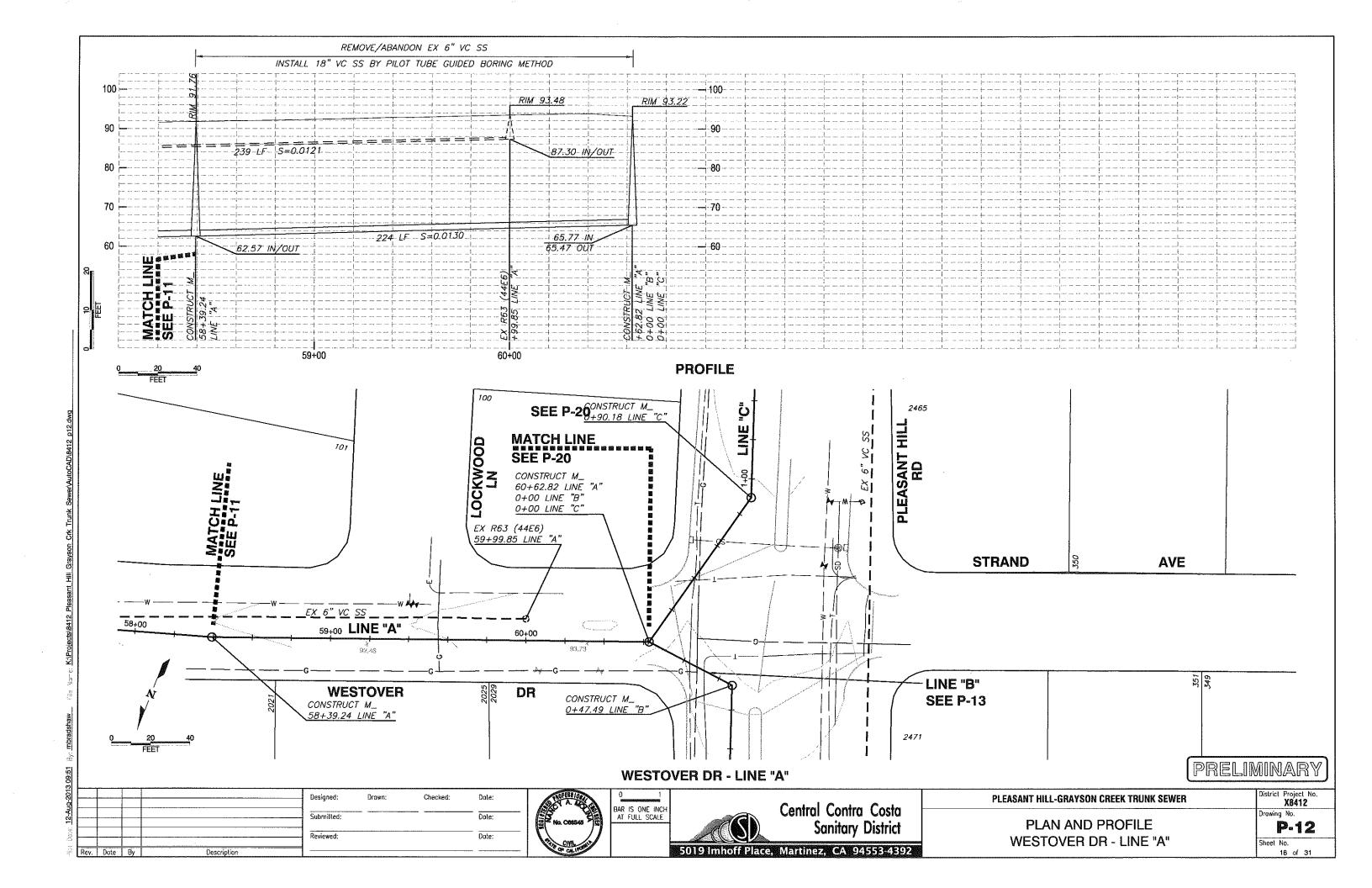


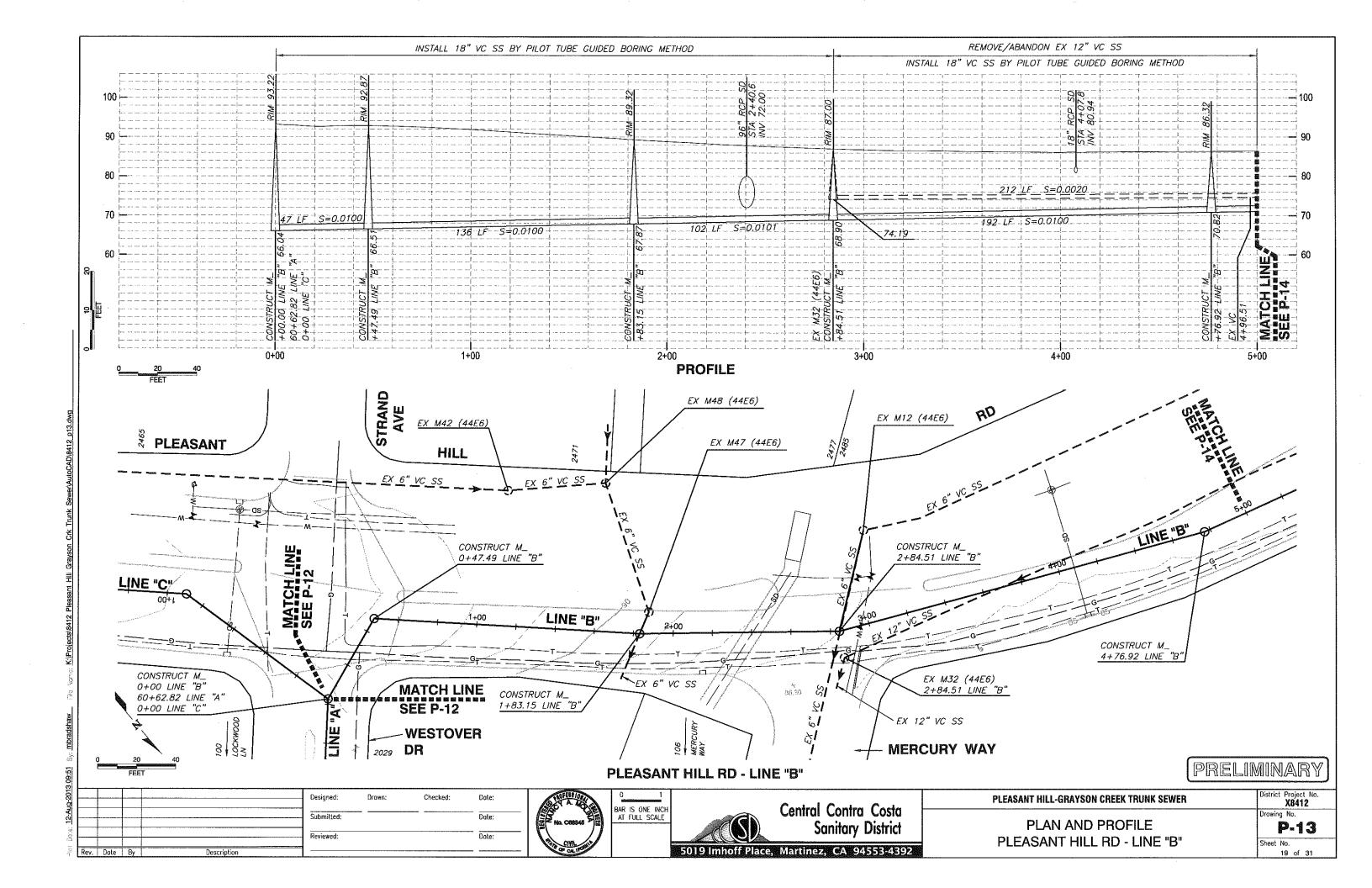


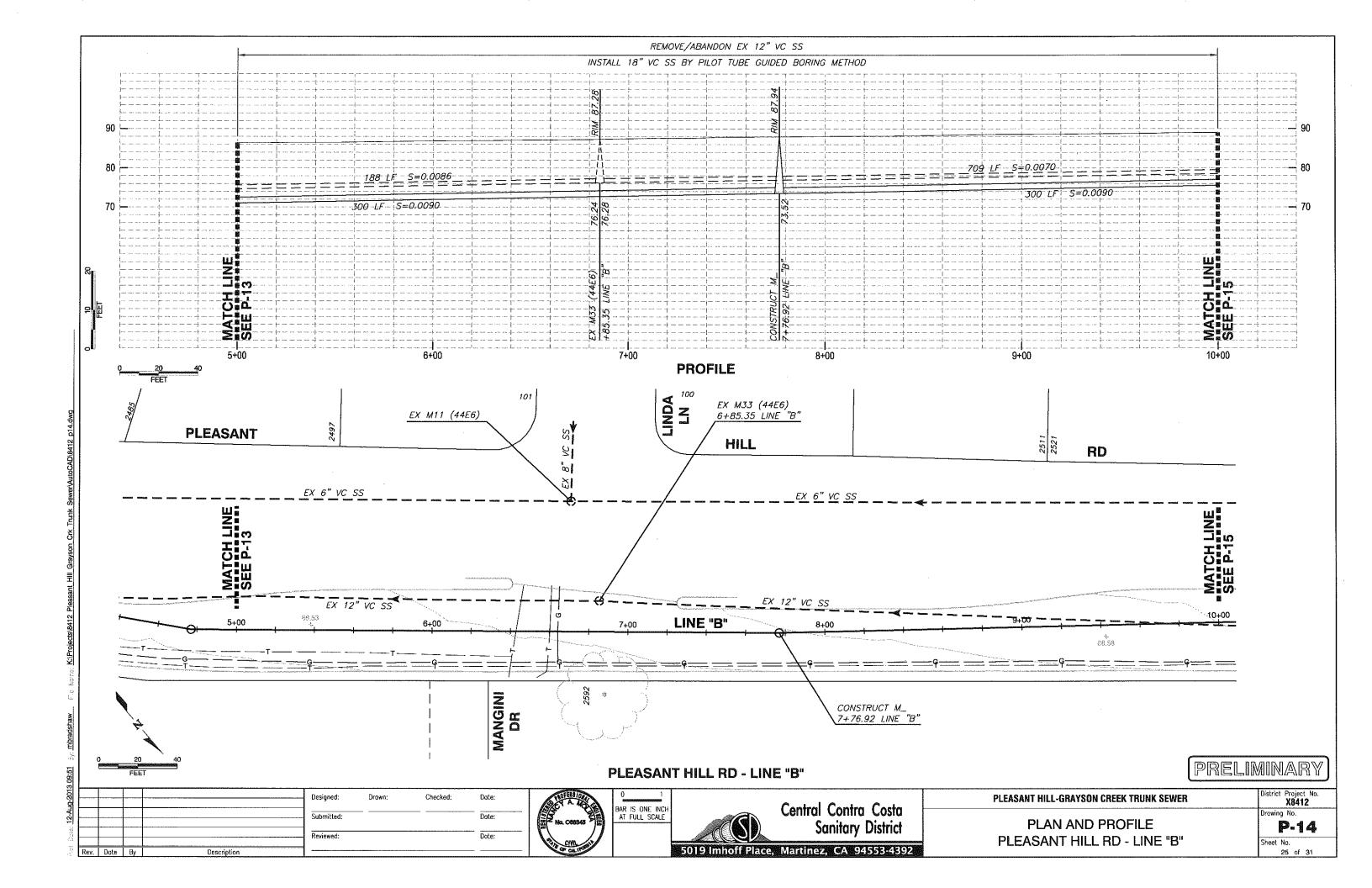


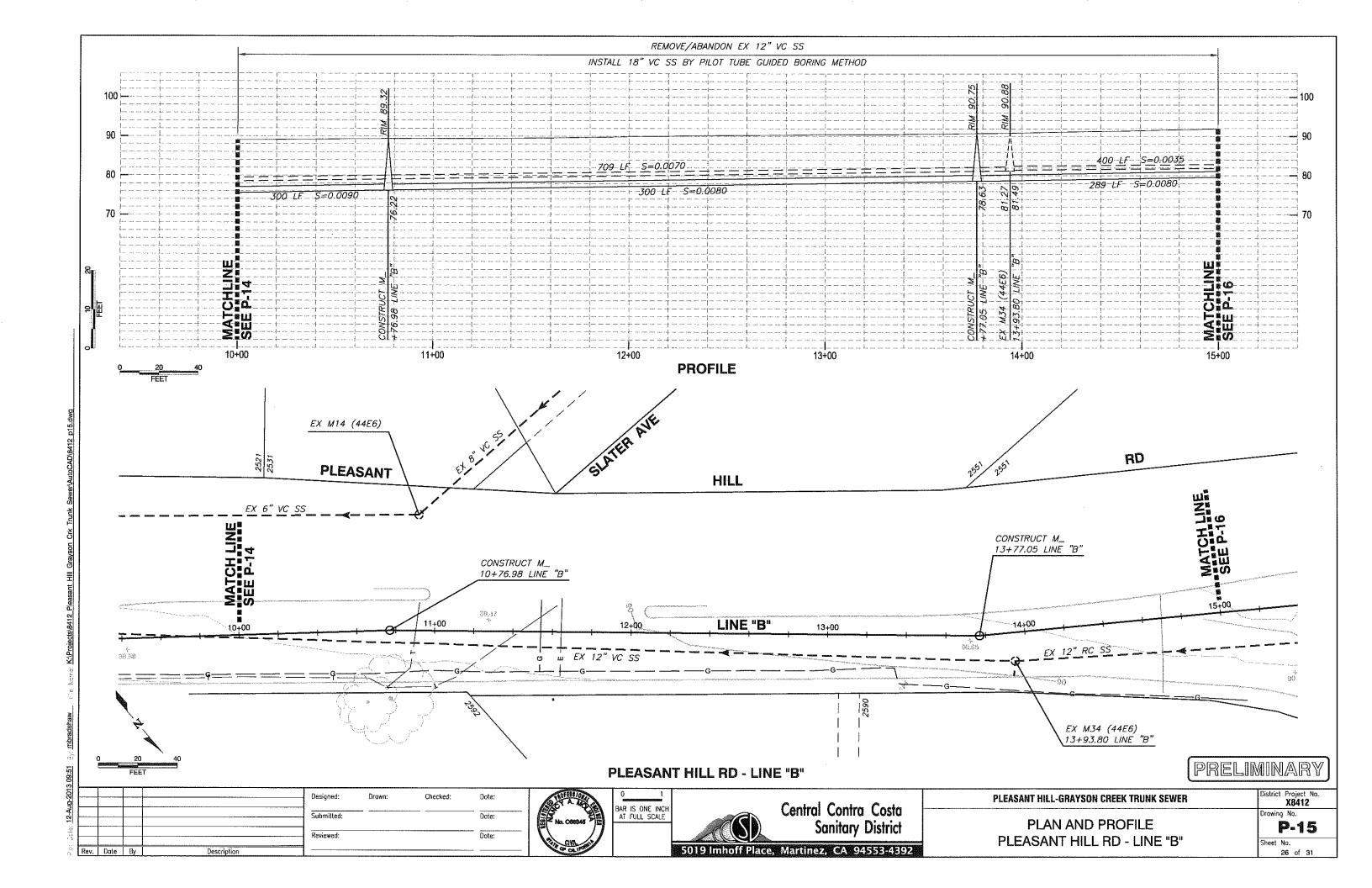


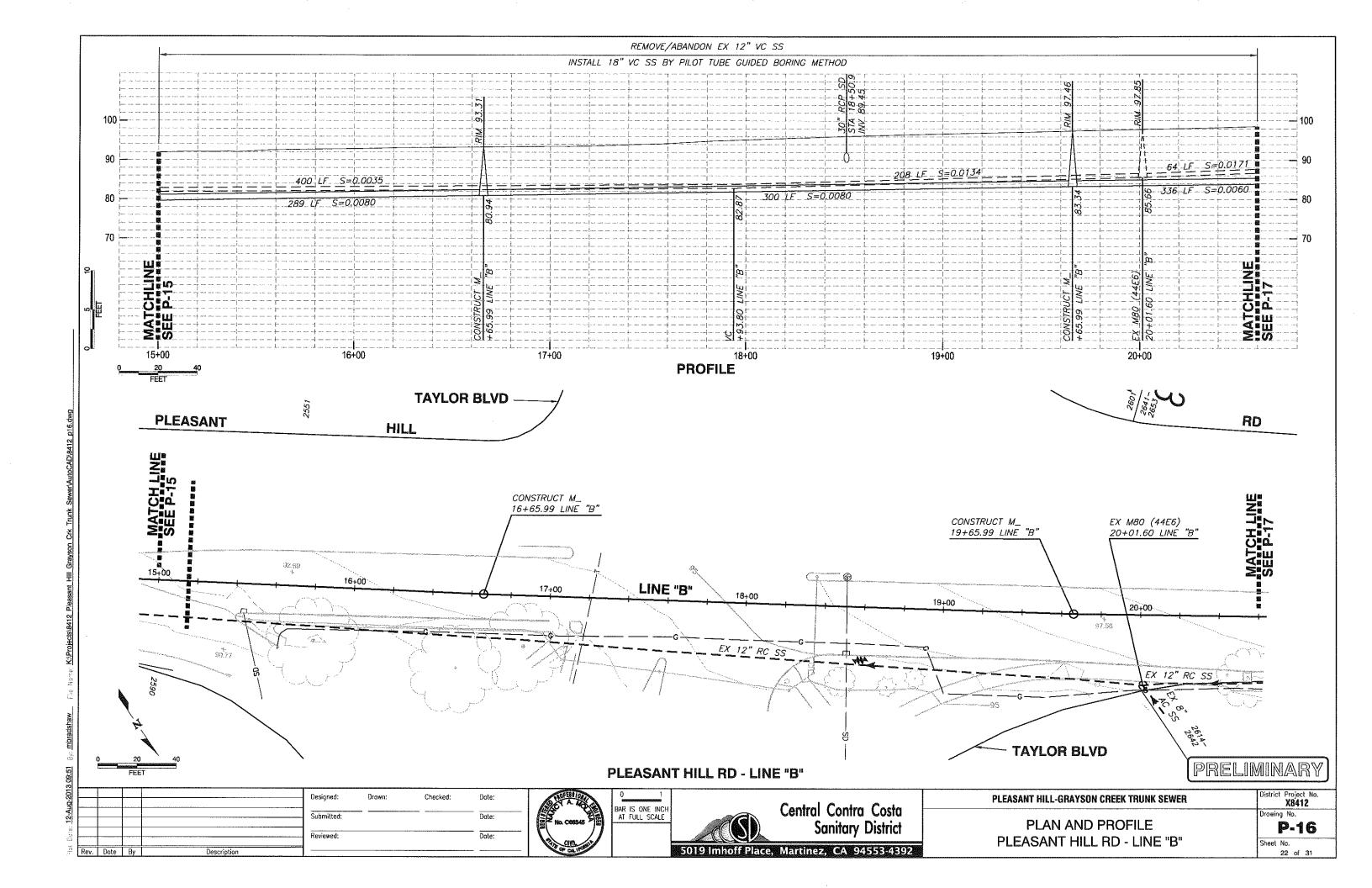


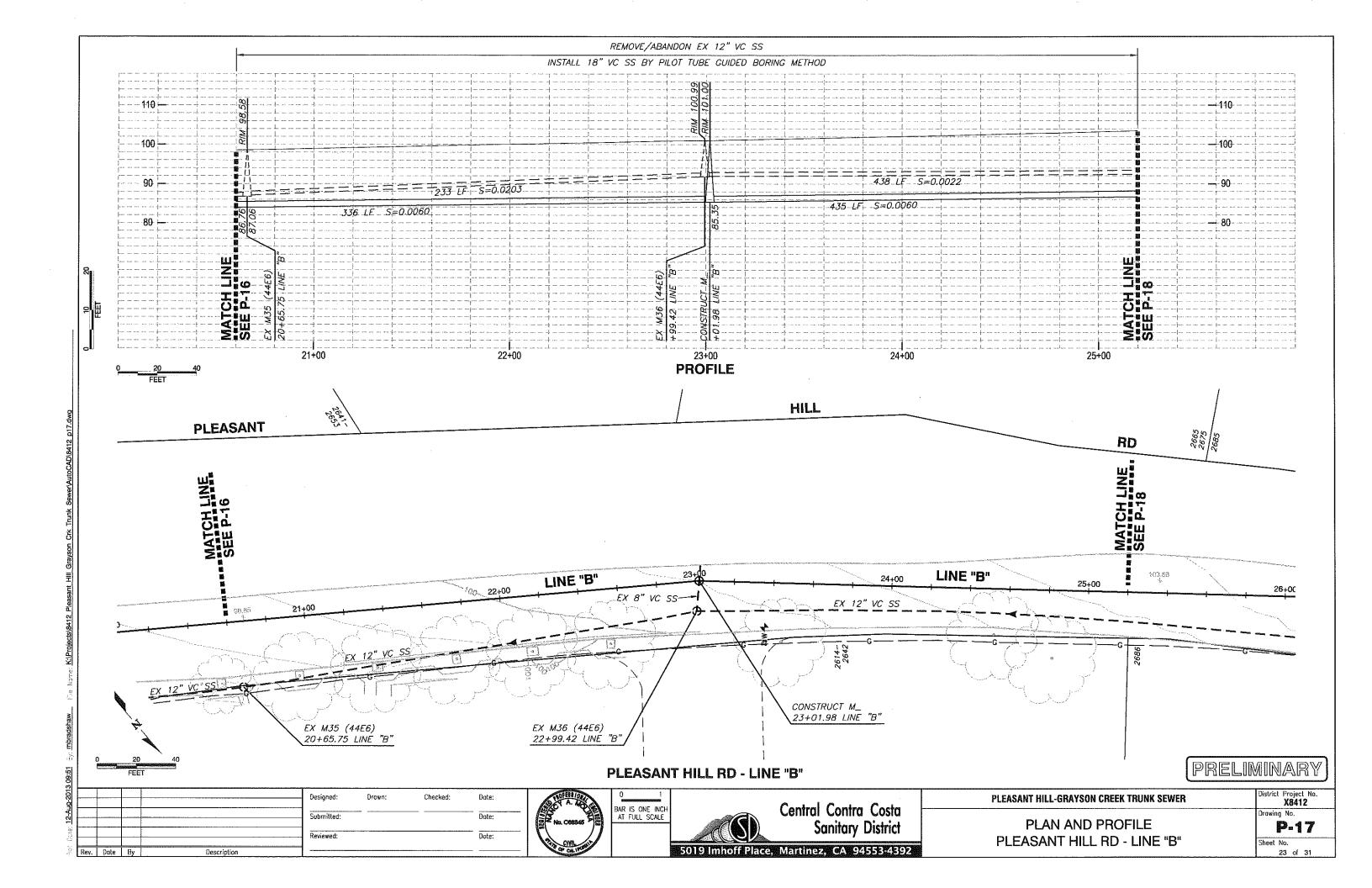


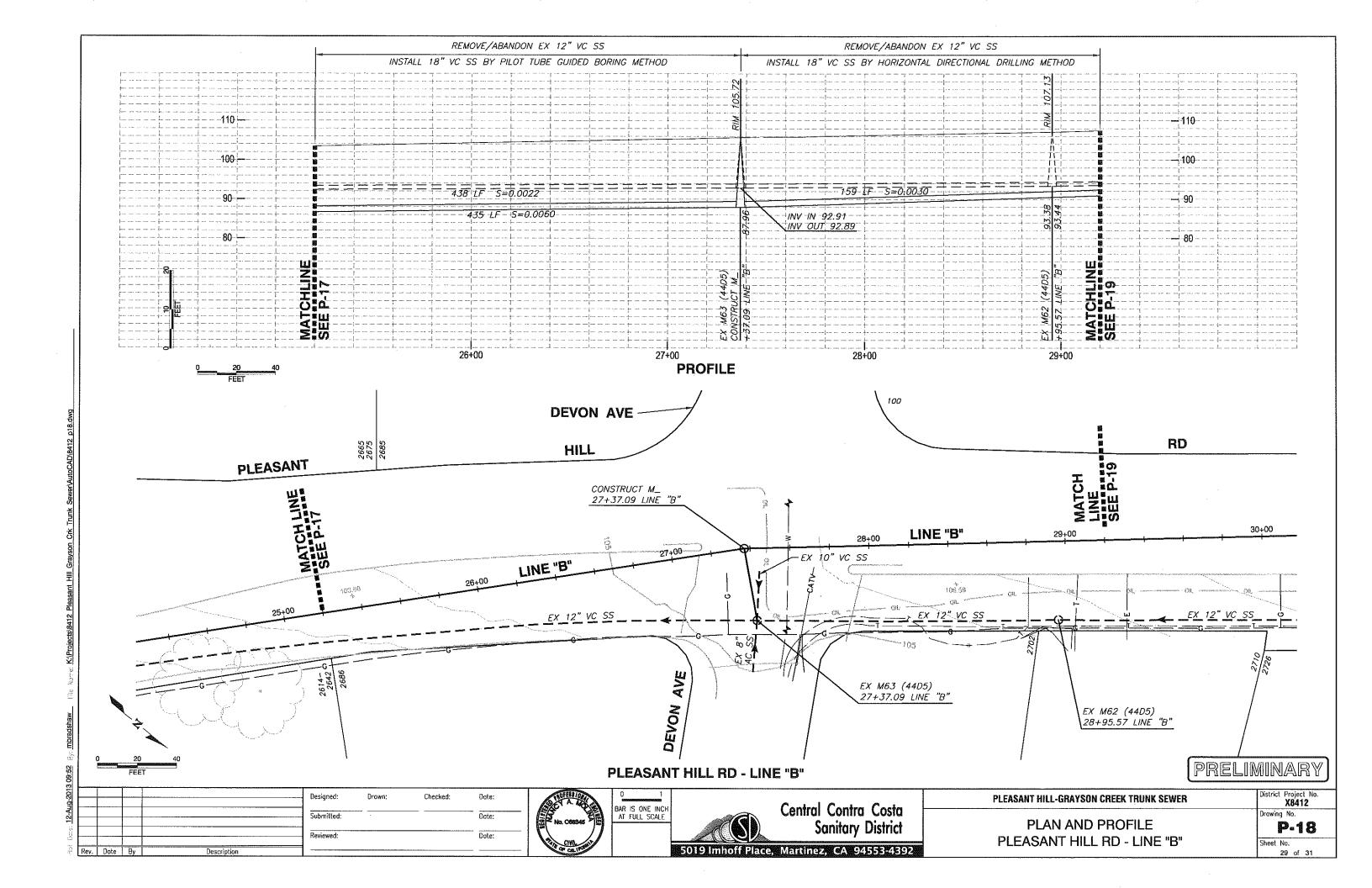


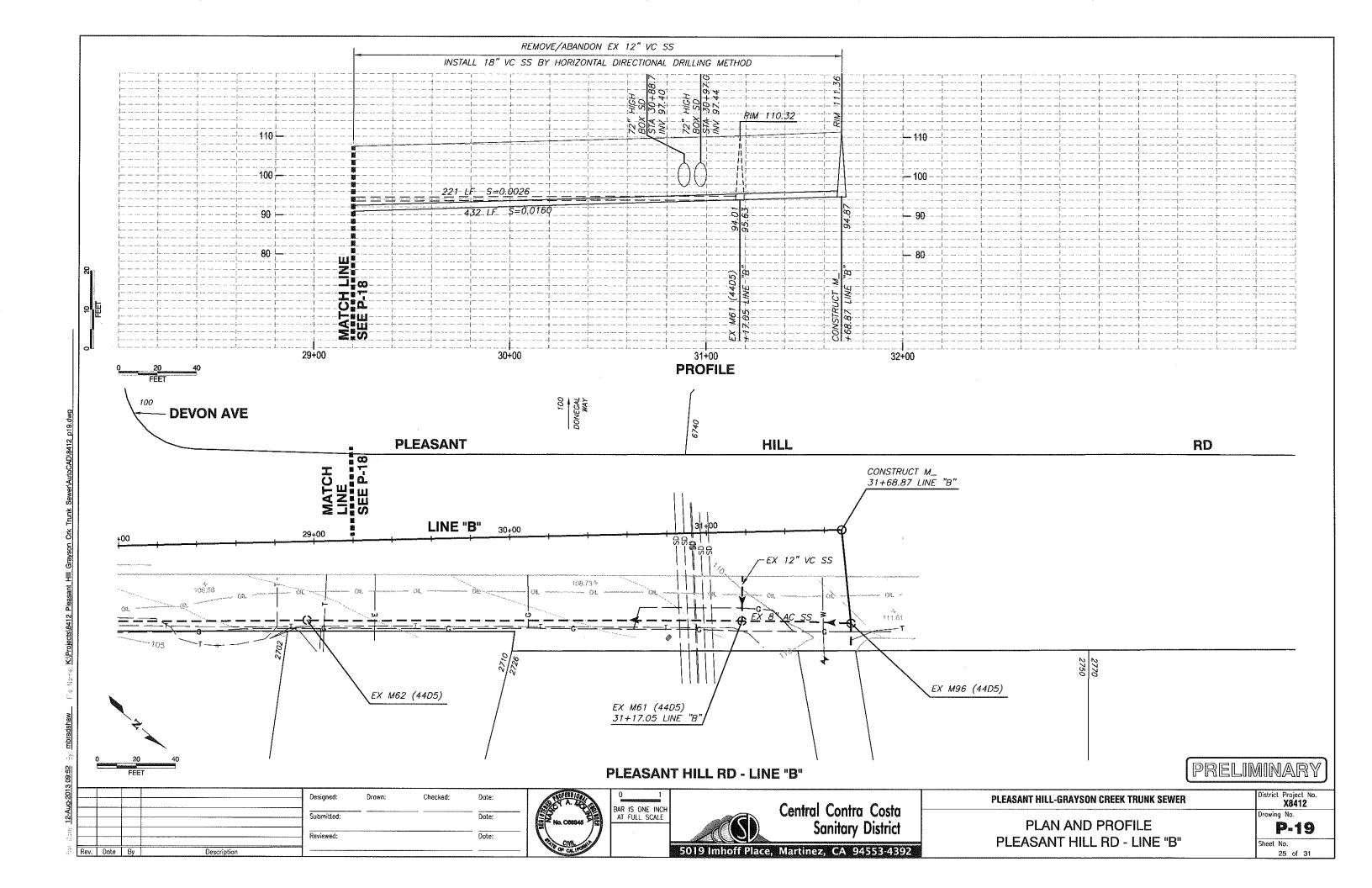


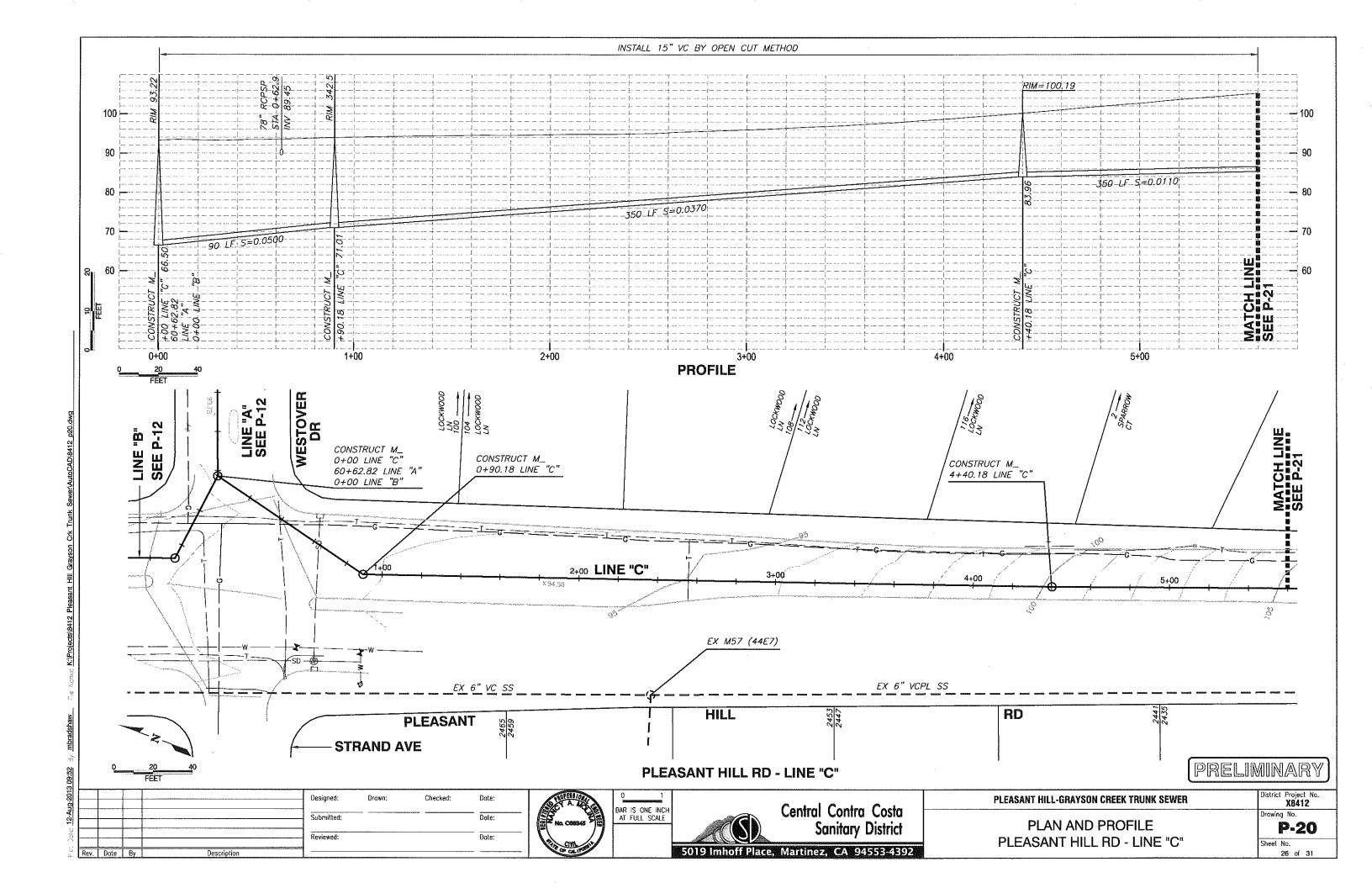


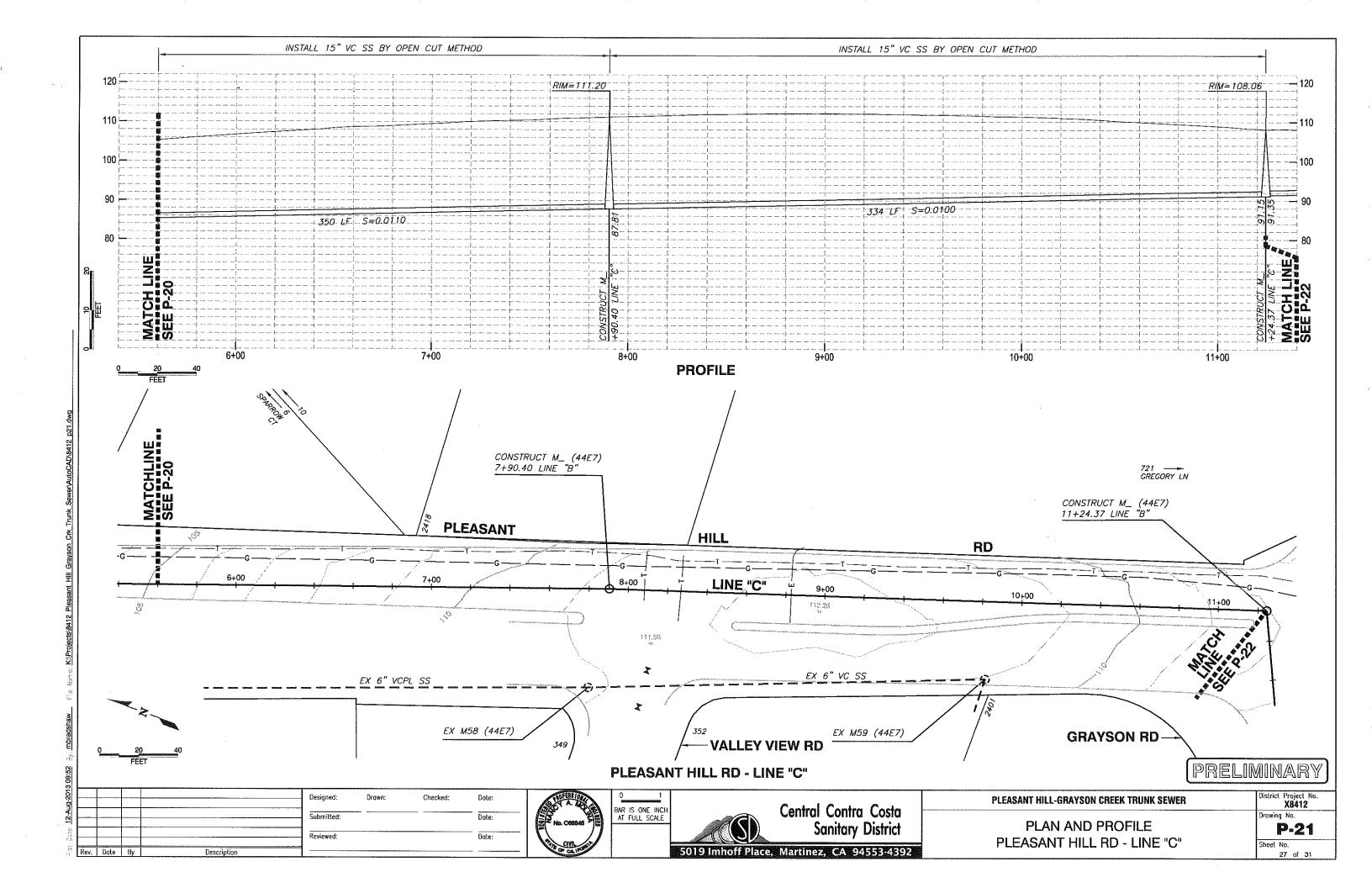


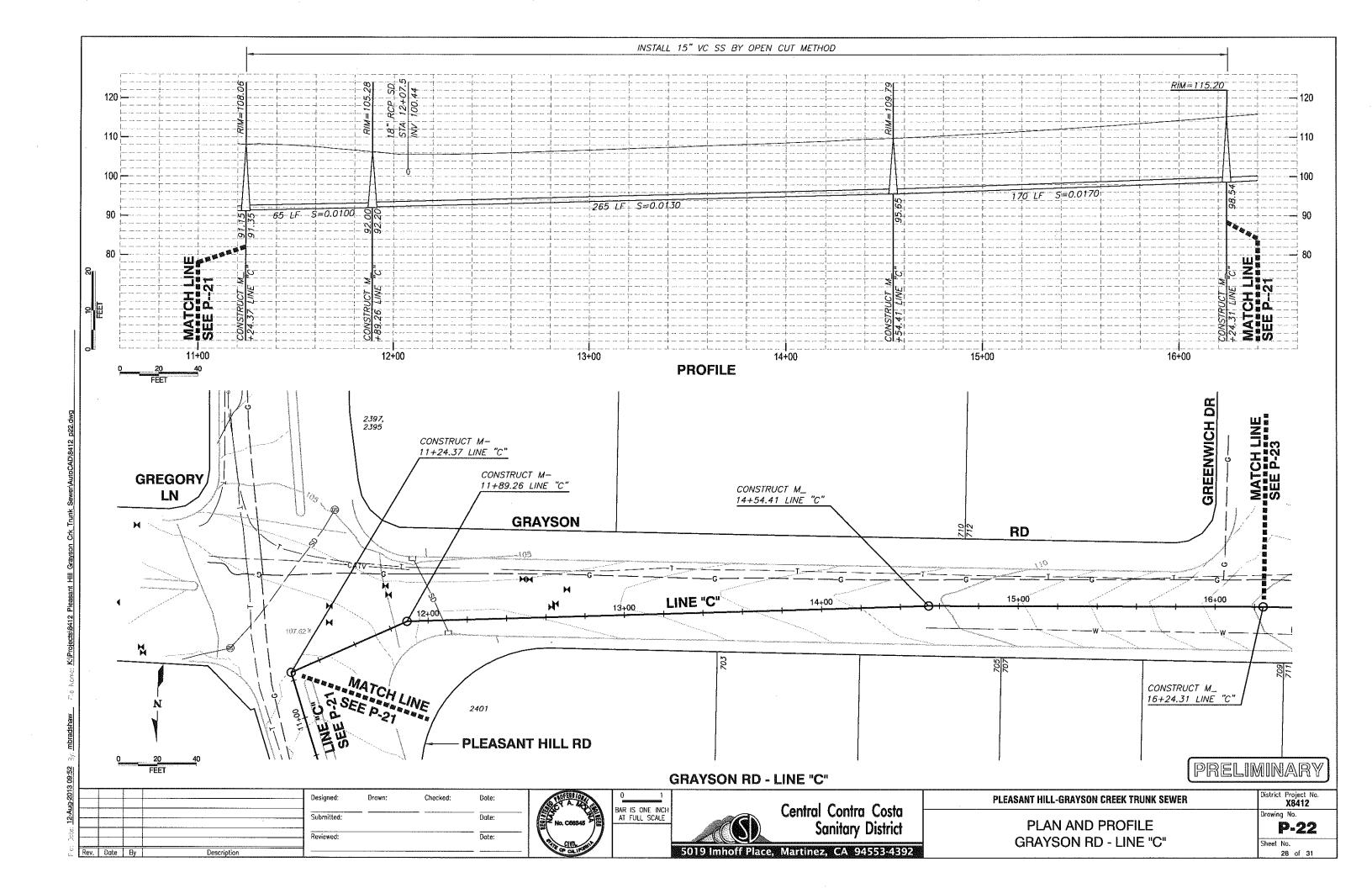


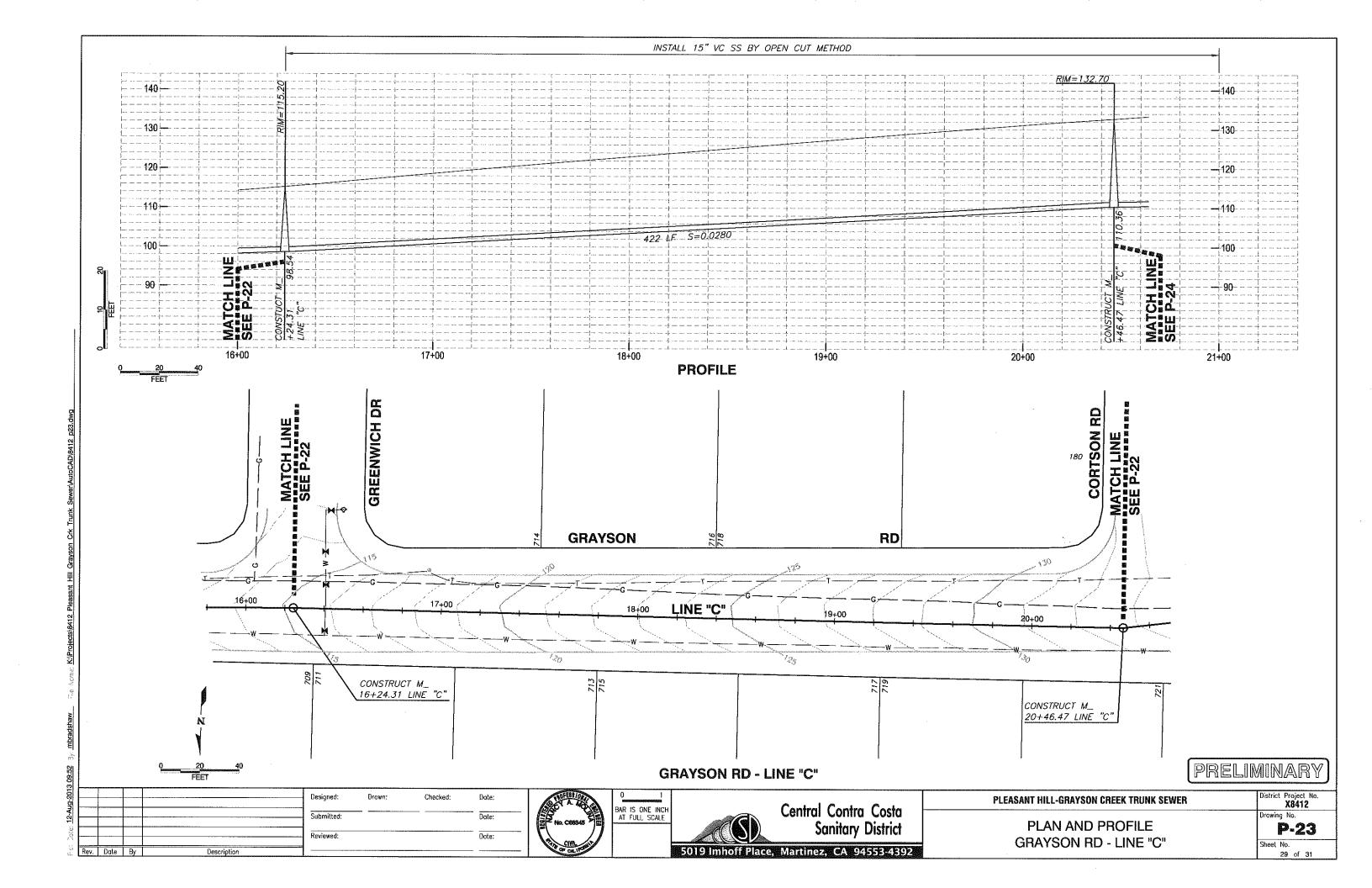


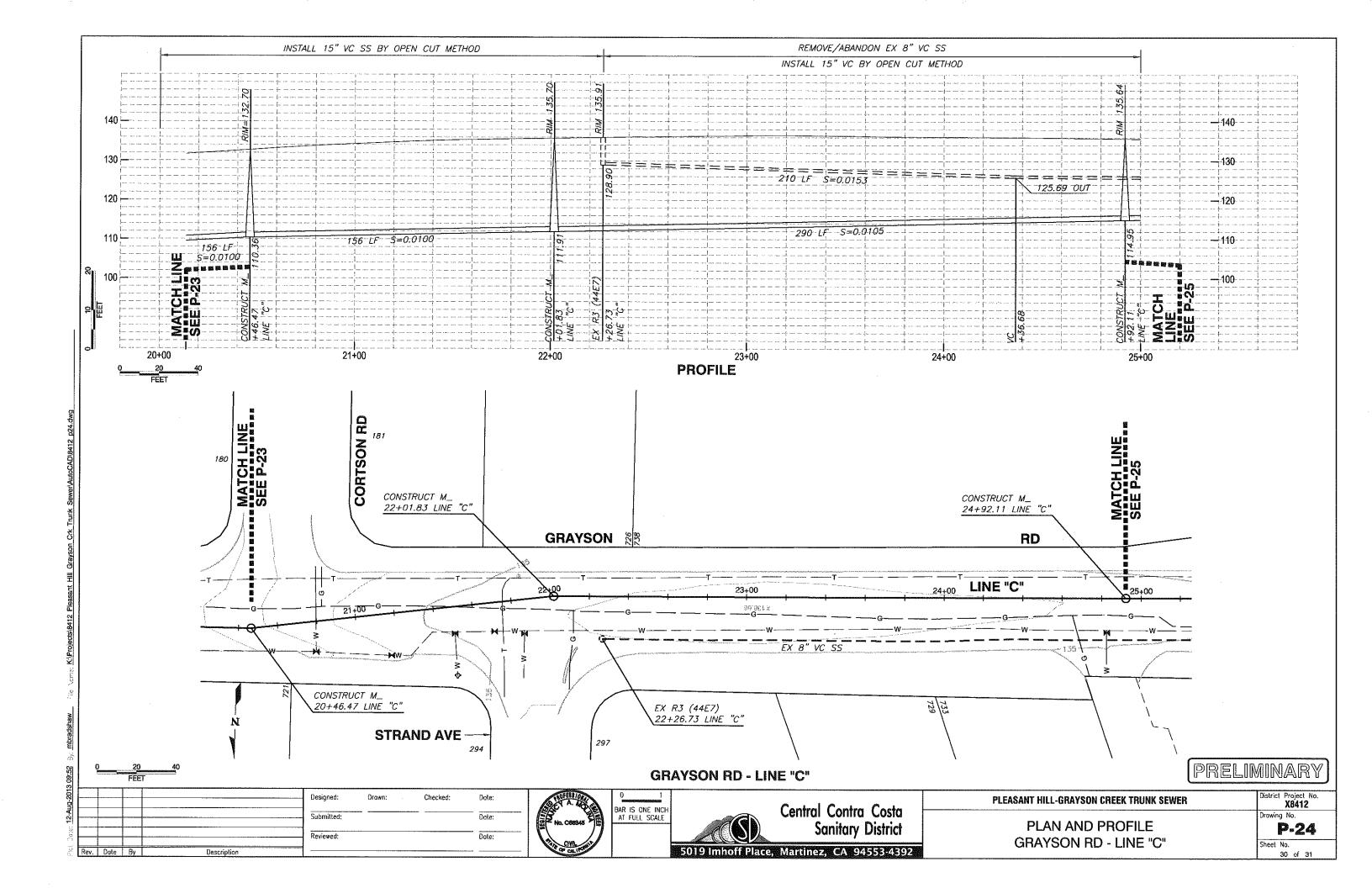


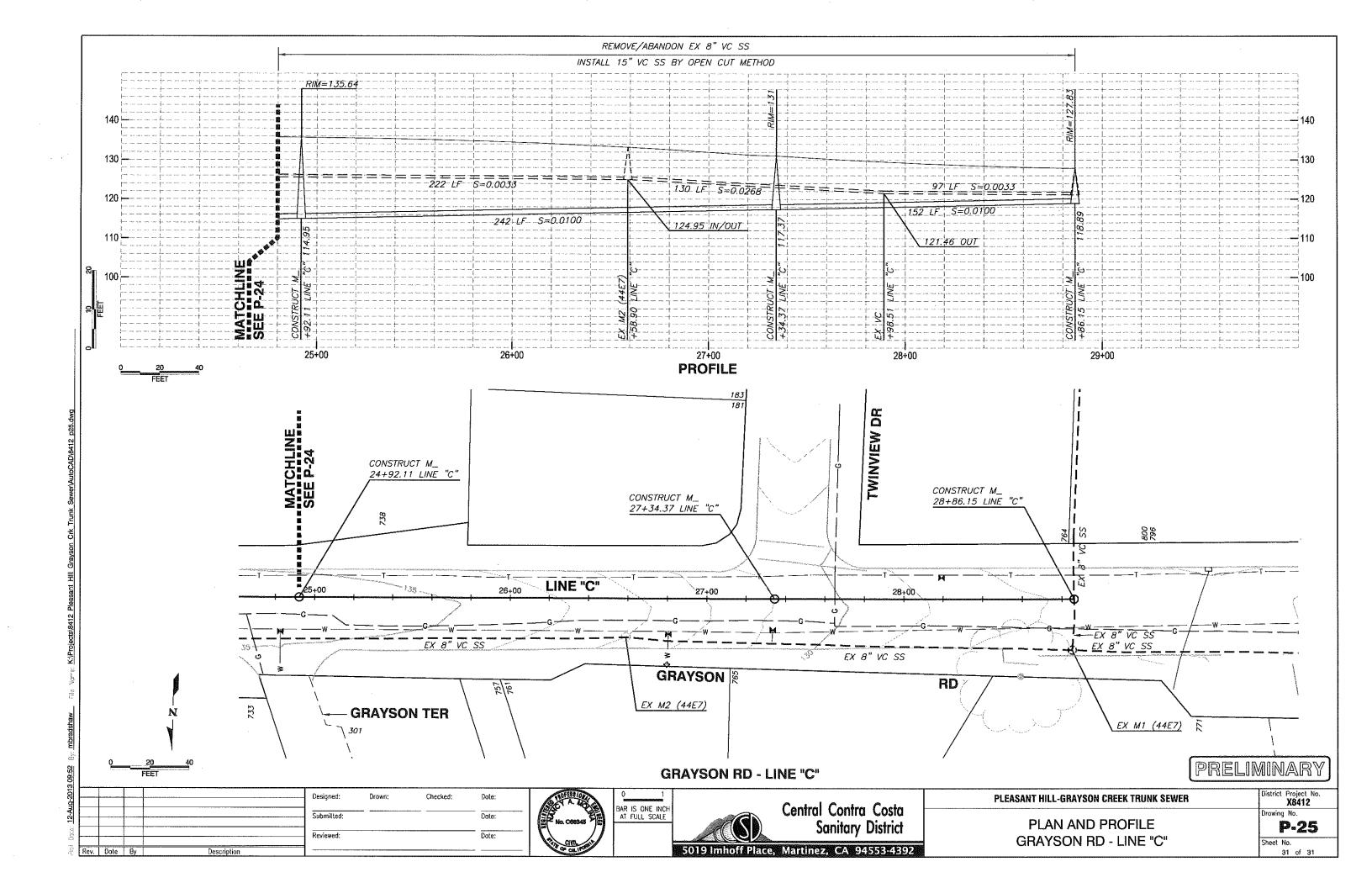












Attachment B Cultural Resources Determination

CULTURAL RESOURCE COMPLIANCE Mid-Pacific Region Division of Environmental Affairs Cultural Resources Branch

MP-153 Tracking Number: 14-SCAO-060

Project Name: Pleasant Hill-Grayson Creek Trunk Sewer Project, Contra Costa County,

California

NEPA Document: CEC-13-069

Project Manager/NEPA Contact: Ben Lawrence

MP 153 Cultural Resources Reviewer: Mark Carper M

Determination: No Historic Properties Affected

Date: 3/12/2015

This proposed undertaking by Reclamation is to issue a permit to the Contra Costa County Sewer District (CCCSD) to renew an expired authorization to cross the Contra Costa Canal (CCC). Reclamation's issuance of a permit constitutes an undertaking as defined in Section 301(7) of the NHPA (16 U.S.C. 470), as amended, and requires compliance with Section 106 of the NHPA.

The proposed project will include the installation of 12,000 feet of sewer lines using a combination of open trenches and lateral borings. A new, higher capacity, pipeline (18-inch) will replace an existing 6-to 12-inch-diameter sewer pipeline that will divert sewage away from the existing wet weather capacity deficient sewers. The proposed pipeline will be installed within city streets along existing buried sewer and other utility lines. The new line will run either within or immediately adjacent to the existing sewer and other utility lines. Where open trenches are not feasible for installation, a lateral bore will be constructed for the 18-inch pipeline. The borings will be pilot-tube guided using horizontal directional-drilling construction methods. The boring pit bell-holes will be approximately 16 feet by 8 feet, and the receiving pits will be approximately 8 feet by 8 feet. Boring pit bell-holes will be approximately 8 feet deep. A segment of the new sewer line, to which the proposed project is dependent, will need to be bored under the CCC through Reclamation land thus prompting the requirement of Reclamation's issuance of a permit.

CULTURAL RESOURCE COMPLIANCE Mid-Pacific Region Division of Environmental Affairs Cultural Resources Branch

In an effort to identify potential historic properties within the APE, CCCSD contracted LSA Associates (LSA) to conduct a record search at the Northwest Information Center, prepare a geoarchaeological assessment for the potential for buried historic properties, and to coalesce this information as well as historic and prehistoric contextual information into a cultural resources inventory report. As the entire area of potential effects (APE) is situated below urban development and pavement a pedestrian survey of the APE was not warranted. The efforts by LSA identified no cultural resources within the APE.

Although no historic properties were identified within the APE, the inventory report identified an elevated sensitivity for buried historic properties within the buried and paved soils. To account for this potential LSA prepared a monitoring plan that requires an archaeologist to monitor the worksites during all ground-disturbing activities and includes protocols in the event of an unanticipated discovery. Given the results of the historic properties identification efforts, the previously disturbed nature of the APE, and the paved and built environment context within which the project will be constructed, Reclamation agrees with this approach.

Pursuant to 36 CFR § 800.3(f)(2) Reclamation identified the Ione Band of Miwok Indians as an Indian tribe likely to have knowledge of historic properties or attach religious and cultural significance to historic properties within the APE. Reclamation sent a letter to these tribe on January 16, 2015 requesting their participation in the Section 106 process and assistance in identifying sites of religious and cultural significance of historic properties pursuant to 36 CFR § 800.4(a)(4). No such sites were identified.

Reclamation initiated consultation with the California State Preservation Office (SHPO) by letter dated February 5, 2015 requesting concurrence with a finding of no historic properties affected for the project. Pursuant to the regulations at 36 CFR §800.5(c), SHPO has 30 days from receipt to review an agency finding. The SHPO has yet to respond to Reclamation's finding of effect. If after 30 days the SHPO has not responded, the regulations state that "...the agency official shall then carry out the undertaking in accordance with paragraph (d)(1) of this section" [§800.5(c)(1)]. Because the SHPO has failed to comment on Reclamation's finding within the period of time provided to them pursuant to the Section 106 regulations, Reclamation may move on to the next step of the Section 106 process. Reclamation has concluded the NHPA Section 106 process for this undertaking.

CULTURAL RESOURCE COMPLIANCE Mid-Pacific Region Division of Environmental Affairs Cultural Resources Branch

After reviewing CEC-13-069, dated March 2014, I concur with item #8 which states that this action would not have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places.

This memorandum is intended to convey the completion of the NHPA Section 106 process for this undertaking. Please retain a copy in the administrative record for this action. Should changes be made to this project, additional NHPA Section 106 review, possibly including consultation with the State Historic Preservation Officer, may be necessary. Thank you for providing the opportunity to comment.

Attachment C Indian Trust Assets Determination



Lawrence, Benjamin

 blawrence@usbr.gov>

Request for Resource Determinations, SCCAO CEC 13-069, Sewer Line Crossing- Contra Costa Canal at Milepost 41.2

RIVERA, PATRICIA <privera@usbr.gov>
To: Benjamin Lawrence
blawrence@usbr.gov>

Mon, Jan 13, 2014 at 8:59 AM

Ben,

I reviewed the proposed action where the Central Contra Costa Sanitary District operates a six-inch sanitary sewer line which crosses underneath the Contra Costa Canal at approximately Milepost 41.2. The pipe is undersized for the number of customers it serves, and the existing license to cross the canal has expired. CCCSD would like to renew their authorization to cross the canal and install a higher-capacity line.

The total length of upgraded pipe would be approximately 12,000 linear feet, and it would vary in width, with 15-inch, 18-inch and 24-inch diameter cross-sections. Most of the pipe would be laid in an open trench, but the segment crossing the canal would be directionally bored.

The proposed action does not have a potential to impact Indian Trust Assets. The nearest ITA is the Lytton Reservation, approximately 14 Miles West of the project locations.

Patricia Rivera
Native American Affairs Program Manager
US Bureau of Reclamation
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