

COUNTY OF SANTA CLARA

General Construction Specifications

GENERAL CONDITIONS

- 1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY AND DATED THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS, 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) STATE OF CALIFORNIA STANDARD SPECIFICATIONS...

CONSTRUCTION STAKING

- 1. THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS...

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE. THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION...

SITE PREPARATION (CLEARING AND GRUBBING)

- 1. EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS: A) TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS...

UTILITY LOCATION, TRENCHING & BACKFILL

- 1. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2800 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.

RETAINING WALLS

- 1. REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR AND ENGINEER OF RECORD PRIOR TO POURING THE FOUNDATION AND FORMING THE WALL.

GRADING

- 1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IT SHALL BE STRIPPED OF ALL VEGETATION...

Table with 3 columns: LOCATION, CUT (C.Y.), FILL (C.Y.). Rows include SOIL, BASE ROCK, and TOTAL.

- NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE. EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE. 7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK...

TREE PROTECTION

- 1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED DEVELOPMENT ON SITE, THE OWNER SHALL PROVIDE TREE PROTECTION INCLUDING THE FOLLOWING: A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE...

ACCESS ROADS AND DRIVEWAYS

- 1. DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES PER FOOT)...

STREET LIGHTING

- 1. PACIFIC GAS & ELECTRIC ELECTROLIER SERVICE FEE SHALL BE PAID BY THE DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE.

SANITARY SEWER

- 1. THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.

PORTLAND CEMENT CONCRETE

- 1. CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS. CONCRETE PLACED MUST DEVELOP A MINIMUM STRENGTH FACTOR OF 2800 PSI IN A SEVEN-DAY PERIOD.

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES...

AS-BUILT PLANS STATING

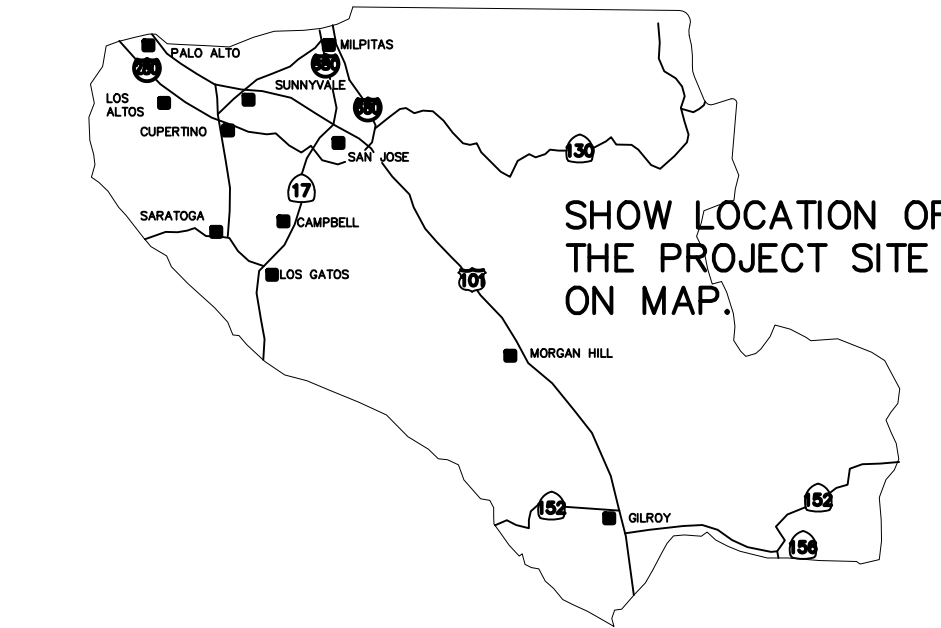
THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE () WERE () WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (*) THERE () WERE () WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL .

DATE SIGNATURE

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPY OF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTER CONSTRUCTION.

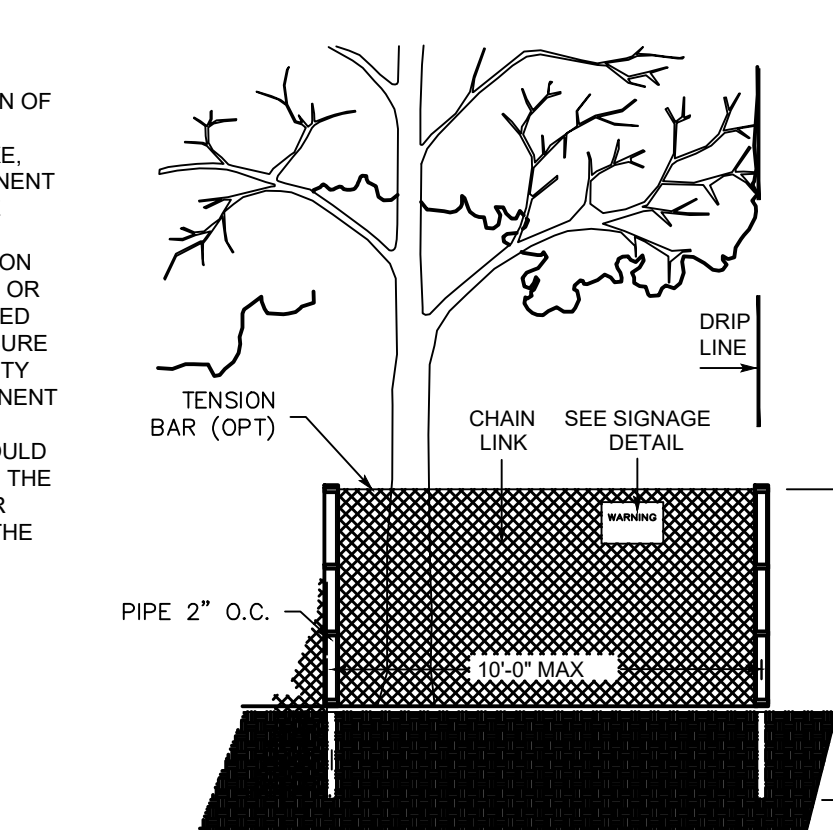
GEOTECHNICAL ENGINEER OBSERVATION

- 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.



COUNTY LOCATION MAP

VICINITY MAP



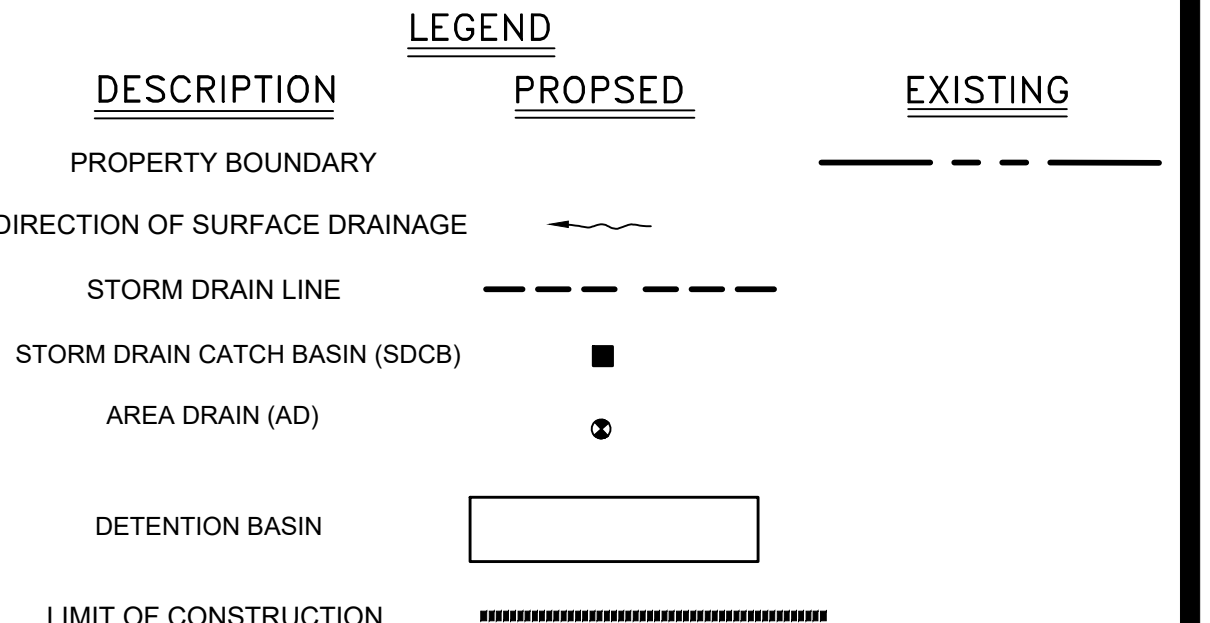
EXISTING TREE PROTECTION DETAILS

- 1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST.

2054 OLD PIEDMONTE ROAD SAN JOSE, CA 95132

SCOPE OF WORK

- 1. IMPROVED PAVEMENT AND CONCRETE TO REMAIN AND TO BE LEGALIZED. DIRECT WATER RUN-OFF INTO TWO NEW DETENTION/TREATMENT BASINS.



SHEET INDEX

Table with 2 columns: Sheet Number and Description. Includes cover sheet, demolition plan, grading & drainage plan, erosion control plan, and erosion control details.

ENGINEER'S NAME: YING CHEN ADDRESS: 1154 PARK AVE, SAN JOSE, CA 95126 PHONE NO. FAX NO.

Table with 4 columns: Revision, Date, APN, Sheet. Shows revision 1, 2, and 3 with dates and APN 092-34-015.

REVISED: 10/27/2015

APPLICANT: ROAD: COUNTY FILE NO.:



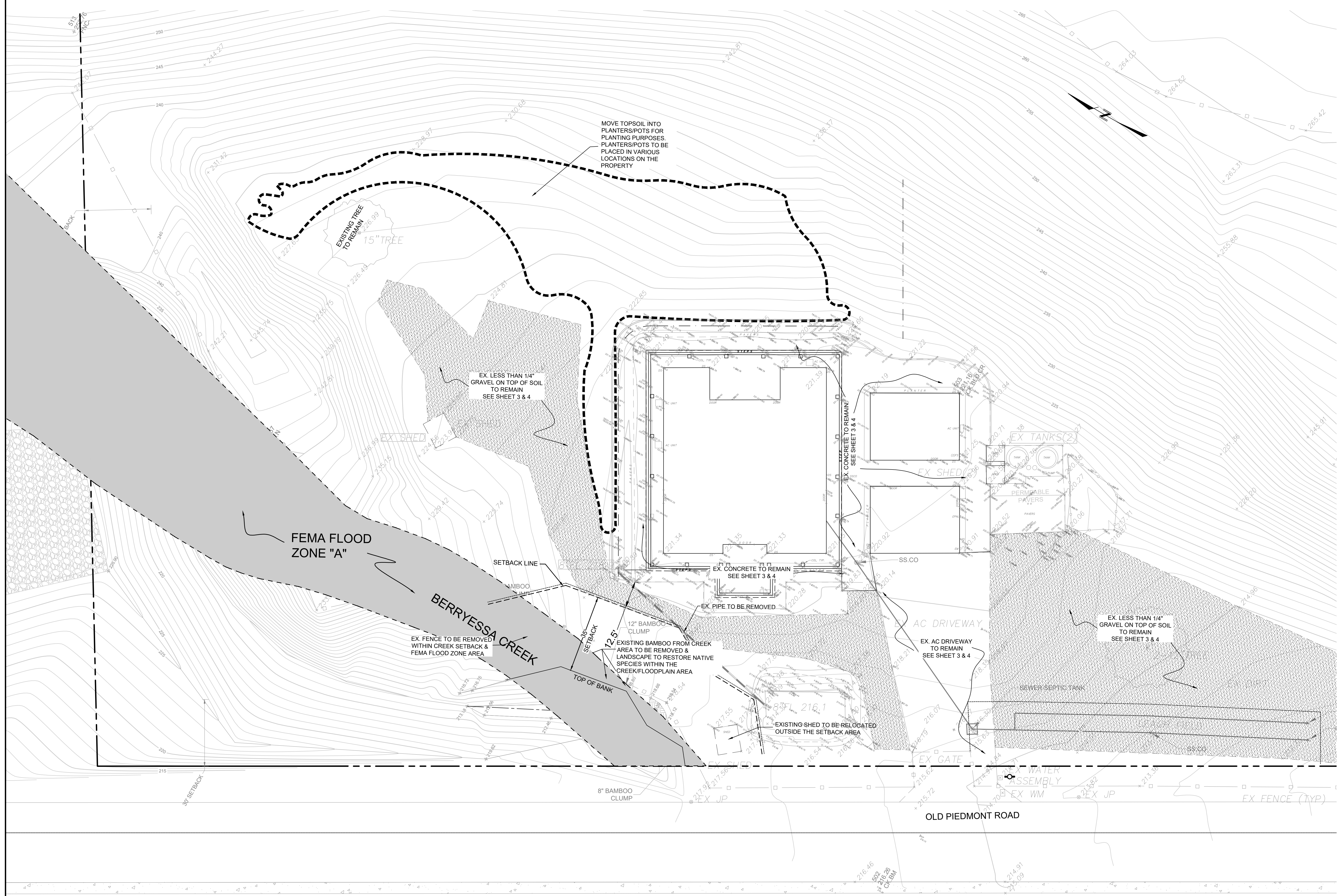
**GRADING PERMIT
PLN22-204
2054 OLD PIEDMONT ROAD
DEMOLITION PLAN**

LEGEND

FEMA FLOOD ZONE "A"



SCALE IN FEET
1" = 20'



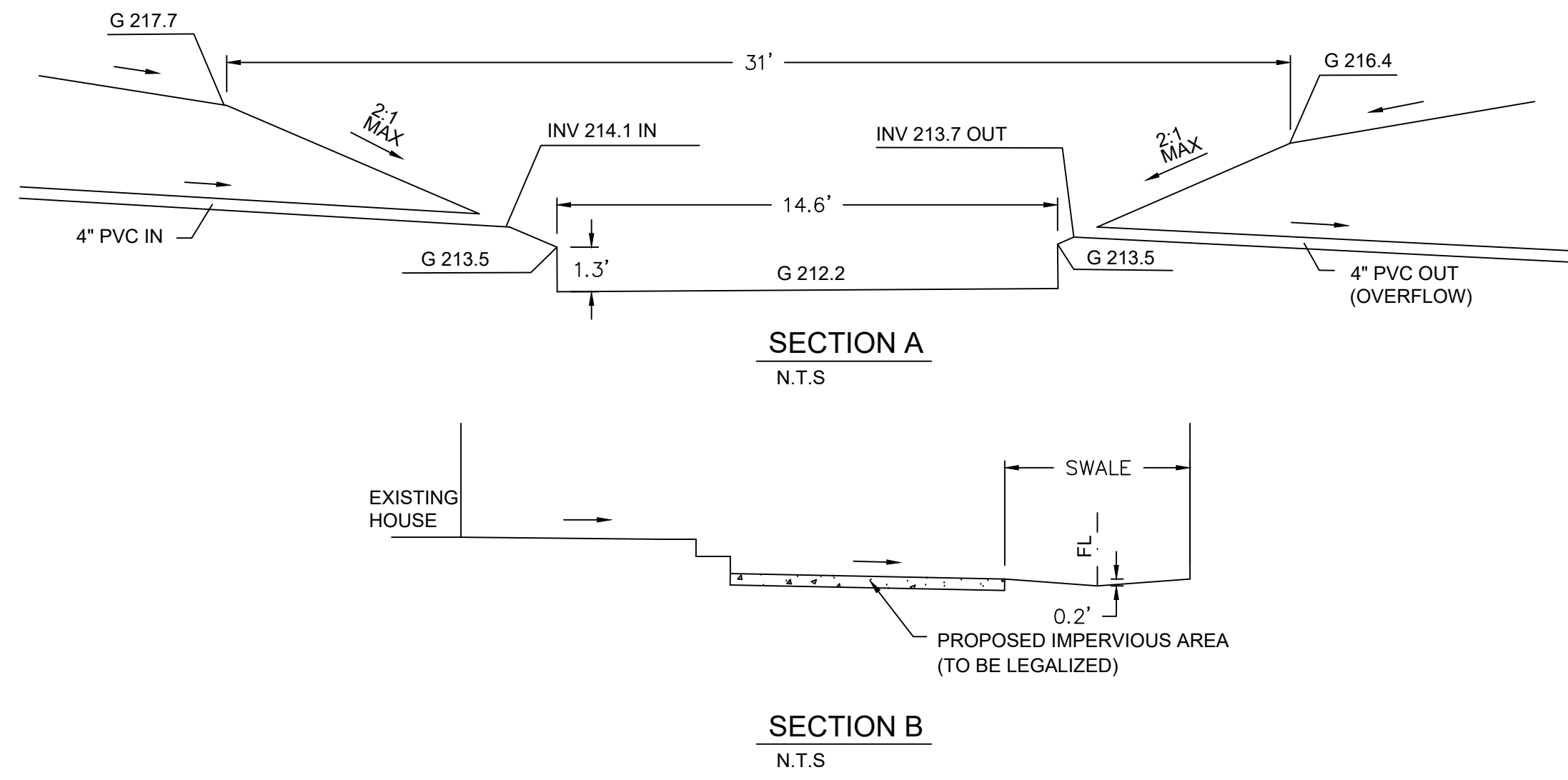
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REVISIONS	
PROJECT:	2023.XXX
FILE:	DEMO.DWG
DATE:	SEP 3, 2024
SCALE:	
DESIGNED BY:	VER
DRAWN BY:	GH/YC
REVIEWED BY:	VER
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SHEET 2

IMPERVIOUS AREAS	
EXISTING IMPERVIOUS SURFACE (PREVIOUSLY PERMITTED IMPERVIOUS SURFACES)	11590 SQ. FT.
EXISTING IMPERVIOUS SURFACES TO REMAIN	11590 SQ. FT.
PROPOSED IMPERVIOUS SURFACE	7727 SQ. FT
TOTAL IMPERVIOUS SURFACE	19317 SQ. FT

LOCATION	CUT (C.Y.)	FILL (C.Y.)
SOIL	81	81
BASE ROCK	-	-
TOTAL	81	81



- LEGEND**
- PREVIOUSLY PERMITTED IMPERVIOUS AREA
 - PROPOSED IMPERVIOUS AREA (TO BE LEGALIZED)
 - EXISTING DIRT
 - POST-VIOLATION CONTOURS
 - PRE-VIOLATION CONTOURS
 - SWALE FLOW LINE (FL)

DRAINAGE CALCULATION
2054 OLD PIEDMONT ROD, SAN JOSE, CA

TCM 1
Step 1: Impervious Area
TOTAL IMPERVIOUS AREA OF THE SITE (sf) = 19317

Step 2: Adjusted Run-off coefficient
Run-off Coefficient for Roof & impervious service: 0.9
Run-off Coefficient for Dirt: 0.3

Run-off Coefficient = 0.90

Step 3: Added Discharge Rate from New Impervious Area:

$$Q = C * i * A_{\text{imperv}} * \frac{1 \text{ ft} * 1 \text{ hr}}{12 \text{ in} * 3600 \text{ s}}$$

Rainfall Intensity, i (in./hr) = 2
Q (cfs) = 0.8049

Step 4: Determine Storage/Detention Volume to Accommodate Added Discharge:

$$V = 1.5 * Q(\text{cfs}) * 10 \text{ min} * \frac{60 \text{ sec}}{1 \text{ min}}$$

V (cf) = 724.4



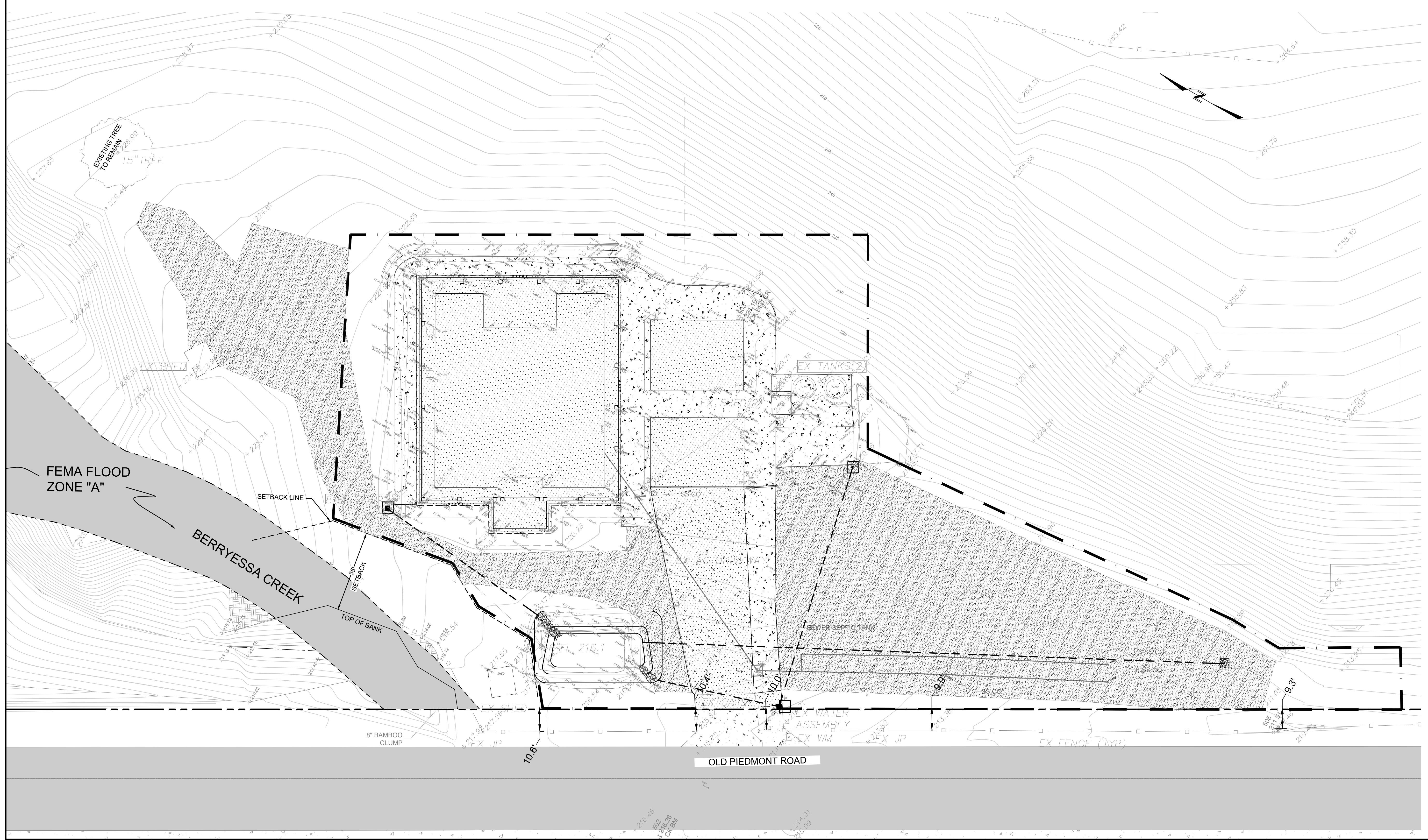
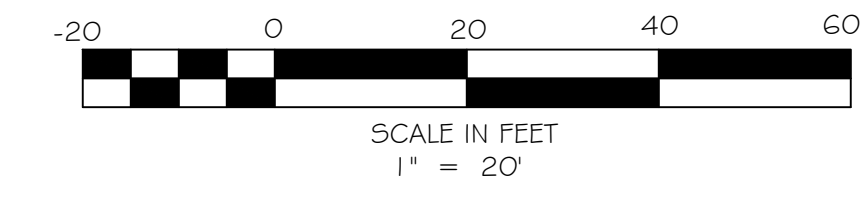
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LEGEND

SYMBOL	DESCRIPTION
	PROTECTED INLET
	STRAW ROLLS



CALIFORNIA

SAN JOSE

**GRADING PERMIT
 PLN22-204
 2054 OLD PIEDMONT ROAD
 EROSION CONTROL PLAN**

NO	DATE	DESCRIPTION
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REVISIONS

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FILE:	EC.DWG
DATE:	SEP 3, 2024
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SHEET 4

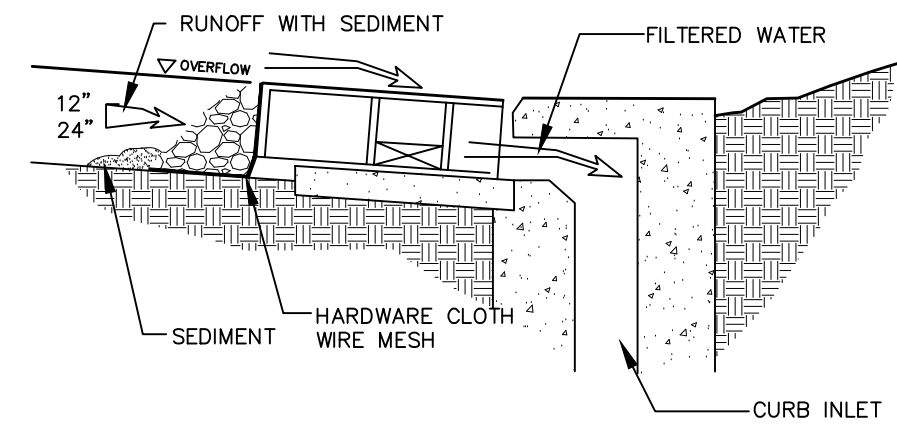
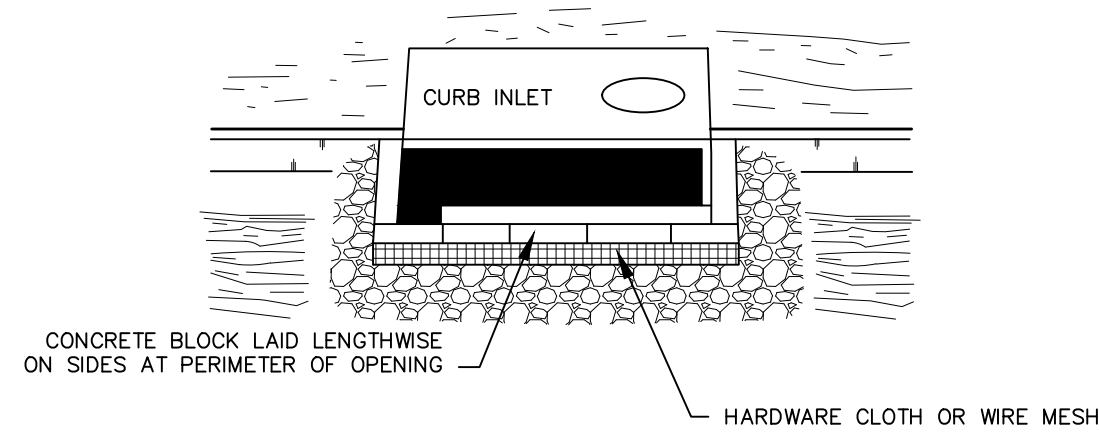


GRADING PERMIT
PLN22-204
2054 OLD PIEDMONT ROAD
EROSION CONTROL DETAILS

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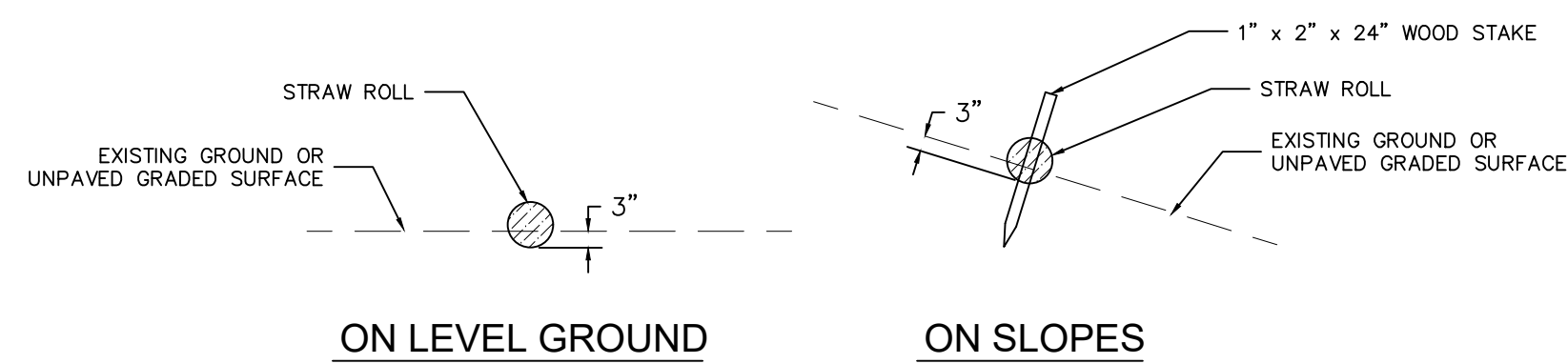
REVISIONS

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 REVIEWED BY: VER
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DI PROTECTION -
TYPE 4
 NOT TO SCALE

1 STORM DRAIN INLET PROTECTION
 NOT TO SCALE



- NOTE:
1. PLACE STRAW ROLL IN TRENCH EXCAVATED 3" (0.25') INTO GROUND ALONG CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
 2. ON SLOPES PLACE ROLL TO FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE. CURVE ENDS UP HILL AT THE ENDS.
 3. ABUT ADJACENT ROLLS TIGHTLY.

2 STRAW ROLL
 NOT TO SCALE